

# 1. Frequency Stability

## 1.1 B2\_1.4MHz

### 1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.2	-13.105	-0.0071	-2.5 to 2.5	Pass
					3.7	2.839	0.0015	-2.5 to 2.5	Pass
					4.2	2.447	0.0013	-2.5 to 2.5	Pass
				-30	3.7	0.224	0.0001	-2.5 to 2.5	Pass
				-20	3.7	8.187	0.0044	-2.5 to 2.5	Pass
				-10	3.7	2.000	0.0011	-2.5 to 2.5	Pass
				0	3.7	-2.731	-0.0015	-2.5 to 2.5	Pass
				10	3.7	6.607	0.0036	-2.5 to 2.5	Pass
				30	3.7	-1.037	-0.0006	-2.5 to 2.5	Pass
				40	3.7	2.944	0.0016	-2.5 to 2.5	Pass
	50	3.7	8.526	0.0046	-2.5 to 2.5	Pass			
	1880	6	0	20	3.2	-2.992	-0.0016	-2.5 to 2.5	Pass
					3.7	5.921	0.0031	-2.5 to 2.5	Pass
					4.2	0.063	0.0000	-2.5 to 2.5	Pass
				-30	3.7	4.895	0.0026	-2.5 to 2.5	Pass
				-20	3.7	3.901	0.0021	-2.5 to 2.5	Pass
				-10	3.7	4.055	0.0022	-2.5 to 2.5	Pass
				0	3.7	5.079	0.0027	-2.5 to 2.5	Pass
				10	3.7	5.336	0.0028	-2.5 to 2.5	Pass
				30	3.7	4.009	0.0021	-2.5 to 2.5	Pass
				40	3.7	4.290	0.0023	-2.5 to 2.5	Pass
	50	3.7	1.913	0.0010	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.2	-8.421	-0.0044	-2.5 to 2.5	Pass
					3.7	6.912	0.0036	-2.5 to 2.5	Pass
					4.2	0.114	0.0001	-2.5 to 2.5	Pass
				-30	3.7	4.848	0.0025	-2.5 to 2.5	Pass
				-20	3.7	4.191	0.0022	-2.5 to 2.5	Pass
				-10	3.7	2.011	0.0011	-2.5 to 2.5	Pass
				0	3.7	2.865	0.0015	-2.5 to 2.5	Pass
				10	3.7	2.400	0.0013	-2.5 to 2.5	Pass
30				3.7	4.112	0.0022	-2.5 to 2.5	Pass	
40				3.7	1.592	0.0008	-2.5 to 2.5	Pass	
50	3.7	3.336	0.0017	-2.5 to 2.5	Pass				
16QAM	1850.7	6	0	20	3.2	5.833	0.0032	-2.5 to 2.5	Pass
					3.7	-8.498	-0.0046	-2.5 to 2.5	Pass
					4.2	-0.807	-0.0004	-2.5 to 2.5	Pass
				-30	3.7	0.331	0.0002	-2.5 to 2.5	Pass
				-20	3.7	2.981	0.0016	-2.5 to 2.5	Pass
				-10	3.7	0.782	0.0004	-2.5 to 2.5	Pass
				0	3.7	4.838	0.0026	-2.5 to 2.5	Pass
				10	3.7	6.298	0.0034	-2.5 to 2.5	Pass
				30	3.7	6.200	0.0034	-2.5 to 2.5	Pass
				40	3.7	1.311	0.0007	-2.5 to 2.5	Pass
	50	3.7	2.901	0.0016	-2.5 to 2.5	Pass			
	1880	6	0	20	3.2	-1.550	-0.0008	-2.5 to 2.5	Pass
					3.7	5.434	0.0029	-2.5 to 2.5	Pass
					4.2	8.518	0.0045	-2.5 to 2.5	Pass
-30				3.7	7.869	0.0042	-2.5 to 2.5	Pass	
-20	3.7	8.703	0.0046	-2.5 to 2.5	Pass				

				-10	3.7	8.390	0.0045	-2.5 to 2.5	Pass
				0	3.7	9.124	0.0049	-2.5 to 2.5	Pass
				10	3.7	1.447	0.0008	-2.5 to 2.5	Pass
				30	3.7	2.169	0.0012	-2.5 to 2.5	Pass
				40	3.7	2.163	0.0012	-2.5 to 2.5	Pass
	50	3.7	7.610	0.0040	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.2	2.886	0.0015	-2.5 to 2.5	Pass
					3.7	-2.170	-0.0011	-2.5 to 2.5	Pass
					4.2	-3.202	-0.0017	-2.5 to 2.5	Pass
				-30	3.7	-4.374	-0.0023	-2.5 to 2.5	Pass
				-20	3.7	-7.622	-0.0040	-2.5 to 2.5	Pass
				-10	3.7	-1.874	-0.0010	-2.5 to 2.5	Pass
				0	3.7	-1.115	-0.0006	-2.5 to 2.5	Pass
				10	3.7	-1.133	-0.0006	-2.5 to 2.5	Pass
				30	3.7	-3.415	-0.0018	-2.5 to 2.5	Pass
				40	3.7	-1.491	-0.0008	-2.5 to 2.5	Pass
				50	3.7	-3.419	-0.0018	-2.5 to 2.5	Pass

## 1.2 B2\_3MHz

### 1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1851.5	15	0	20	3.2	-6.751	-0.0036	-2.5 to 2.5	Pass			
					3.7	2.147	0.0012	-2.5 to 2.5	Pass			
					4.2	5.787	0.0031	-2.5 to 2.5	Pass			
				-30	3.7	6.719	0.0036	-2.5 to 2.5	Pass			
				-20	3.7	6.730	0.0036	-2.5 to 2.5	Pass			
				-10	3.7	2.889	0.0016	-2.5 to 2.5	Pass			
				0	3.7	6.747	0.0036	-2.5 to 2.5	Pass			
				10	3.7	6.613	0.0036	-2.5 to 2.5	Pass			
				30	3.7	5.611	0.0030	-2.5 to 2.5	Pass			
				40	3.7	4.249	0.0023	-2.5 to 2.5	Pass			
				50	3.7	3.245	0.0018	-2.5 to 2.5	Pass			
				1880	15	0	20	3.2	-1.870	-0.0010	-2.5 to 2.5	Pass
								3.7	-16.392	-0.0087	-2.5 to 2.5	Pass
								4.2	-6.172	-0.0033	-2.5 to 2.5	Pass
							-30	3.7	-4.867	-0.0026	-2.5 to 2.5	Pass
	-20	3.7	-14.202				-0.0076	-2.5 to 2.5	Pass			
	-10	3.7	-3.361				-0.0018	-2.5 to 2.5	Pass			
	0	3.7	-4.889				-0.0026	-2.5 to 2.5	Pass			
	10	3.7	-16.210				-0.0086	-2.5 to 2.5	Pass			
	30	3.7	-16.075				-0.0086	-2.5 to 2.5	Pass			
	40	3.7	-14.629				-0.0078	-2.5 to 2.5	Pass			
	50	3.7	-6.833				-0.0036	-2.5 to 2.5	Pass			
	1908.5	15	0				20	3.2	4.408	0.0023	-2.5 to 2.5	Pass
								3.7	-3.488	-0.0018	-2.5 to 2.5	Pass
								4.2	-2.952	-0.0015	-2.5 to 2.5	Pass
							-30	3.7	-7.107	-0.0037	-2.5 to 2.5	Pass
				-20	3.7	0.044	0.0000	-2.5 to 2.5	Pass			
				-10	3.7	-11.992	-0.0063	-2.5 to 2.5	Pass			
				0	3.7	-1.585	-0.0008	-2.5 to 2.5	Pass			
				10	3.7	-0.721	-0.0004	-2.5 to 2.5	Pass			
30				3.7	2.021	0.0011	-2.5 to 2.5	Pass				
40				3.7	-5.441	-0.0029	-2.5 to 2.5	Pass				

16QAM	1851.5	15	0	50	3.7	2.386	0.0013	-2.5 to 2.5	Pass
				20	3.2	5.349	0.0029	-2.5 to 2.5	Pass
					3.7	1.972	0.0011	-2.5 to 2.5	Pass
				20	4.2	-18.108	-0.0098	-2.5 to 2.5	Pass
					-30	3.7	-27.867	-0.0151	-2.5 to 2.5
				-20	3.7	-15.397	-0.0083	-2.5 to 2.5	Pass
				-10	3.7	-5.575	-0.0030	-2.5 to 2.5	Pass
				0	3.7	-10.883	-0.0059	-2.5 to 2.5	Pass
				10	3.7	-6.180	-0.0033	-2.5 to 2.5	Pass
				30	3.7	-14.642	-0.0079	-2.5 to 2.5	Pass
	40	3.7	-8.705	-0.0047	-2.5 to 2.5	Pass			
	50	3.7	-5.195	-0.0028	-2.5 to 2.5	Pass			
	1880	15	0	20	3.2	-16.143	-0.0086	-2.5 to 2.5	Pass
					3.7	-0.616	-0.0003	-2.5 to 2.5	Pass
				20	4.2	-5.455	-0.0029	-2.5 to 2.5	Pass
					-30	3.7	-5.545	-0.0029	-2.5 to 2.5
				-20	3.7	-1.699	-0.0009	-2.5 to 2.5	Pass
				-10	3.7	-5.851	-0.0031	-2.5 to 2.5	Pass
				0	3.7	-5.714	-0.0030	-2.5 to 2.5	Pass
				10	3.7	-6.168	-0.0033	-2.5 to 2.5	Pass
				30	3.7	-4.788	-0.0025	-2.5 to 2.5	Pass
				40	3.7	4.334	0.0023	-2.5 to 2.5	Pass
	50	3.7	-6.821	-0.0036	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.2	1.789	0.0009	-2.5 to 2.5	Pass
					3.7	-5.491	-0.0029	-2.5 to 2.5	Pass
				20	4.2	0.951	0.0005	-2.5 to 2.5	Pass
					-30	3.7	0.199	0.0001	-2.5 to 2.5
				-20	3.7	-0.691	-0.0004	-2.5 to 2.5	Pass
				-10	3.7	-8.913	-0.0047	-2.5 to 2.5	Pass
				0	3.7	-9.046	-0.0047	-2.5 to 2.5	Pass
10				3.7	-12.268	-0.0064	-2.5 to 2.5	Pass	
30				3.7	-9.611	-0.0050	-2.5 to 2.5	Pass	
40				3.7	-6.375	-0.0033	-2.5 to 2.5	Pass	
50	3.7	-7.655	-0.0040	-2.5 to 2.5	Pass				

### 1.3 B2\_5MHz

#### 1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.2	-7.369	-0.0040	-2.5 to 2.5	Pass
					3.7	0.014	0.0000	-2.5 to 2.5	Pass
				20	4.2	5.040	0.0027	-2.5 to 2.5	Pass
					-30	3.7	2.456	0.0013	-2.5 to 2.5
				-20	3.7	-0.500	-0.0003	-2.5 to 2.5	Pass
				-10	3.7	-7.598	-0.0041	-2.5 to 2.5	Pass
				0	3.7	-6.390	-0.0034	-2.5 to 2.5	Pass
				10	3.7	1.542	0.0008	-2.5 to 2.5	Pass
				30	3.7	-7.919	-0.0043	-2.5 to 2.5	Pass
				40	3.7	-3.306	-0.0018	-2.5 to 2.5	Pass
	50	3.7	-9.164	-0.0049	-2.5 to 2.5	Pass			
	1880	25	0	20	3.2	-0.883	-0.0005	-2.5 to 2.5	Pass
					3.7	-2.607	-0.0014	-2.5 to 2.5	Pass
				20	4.2	5.718	0.0030	-2.5 to 2.5	Pass
-30					3.7	4.691	0.0025	-2.5 to 2.5	Pass

				-20	3.7	3.139	0.0017	-2.5 to 2.5	Pass
				-10	3.7	0.643	0.0003	-2.5 to 2.5	Pass
				0	3.7	-1.540	-0.0008	-2.5 to 2.5	Pass
				10	3.7	0.057	0.0000	-2.5 to 2.5	Pass
				30	3.7	1.899	0.0010	-2.5 to 2.5	Pass
				40	3.7	3.898	0.0021	-2.5 to 2.5	Pass
				50	3.7	-5.458	-0.0029	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.2	-0.540	-0.0003	-2.5 to 2.5	Pass
					3.7	3.246	0.0017	-2.5 to 2.5	Pass
					4.2	-3.468	-0.0018	-2.5 to 2.5	Pass
				-30	3.7	-2.319	-0.0012	-2.5 to 2.5	Pass
				-20	3.7	0.115	0.0001	-2.5 to 2.5	Pass
				-10	3.7	-2.722	-0.0014	-2.5 to 2.5	Pass
				0	3.7	-6.774	-0.0036	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.2	-4.256	-0.0023	-2.5 to 2.5	Pass
					3.7	-3.173	-0.0017	-2.5 to 2.5	Pass
					4.2	-1.318	-0.0007	-2.5 to 2.5	Pass
				-30	3.7	1.793	0.0010	-2.5 to 2.5	Pass
				-20	3.7	2.639	0.0014	-2.5 to 2.5	Pass
				-10	3.7	5.419	0.0029	-2.5 to 2.5	Pass
				0	3.7	-0.079	0.0000	-2.5 to 2.5	Pass
	1880	25	0	20	3.2	2.428	0.0013	-2.5 to 2.5	Pass
					3.7	3.762	0.0020	-2.5 to 2.5	Pass
					4.2	2.344	0.0012	-2.5 to 2.5	Pass
				-30	3.7	6.255	0.0033	-2.5 to 2.5	Pass
				-20	3.7	1.018	0.0005	-2.5 to 2.5	Pass
				-10	3.7	3.197	0.0017	-2.5 to 2.5	Pass
				0	3.7	3.917	0.0021	-2.5 to 2.5	Pass
1907.5	25	0	20	3.2	-4.331	-0.0023	-2.5 to 2.5	Pass	
				3.7	-5.052	-0.0026	-2.5 to 2.5	Pass	
				4.2	-0.707	-0.0004	-2.5 to 2.5	Pass	
			-30	3.7	0.079	0.0000	-2.5 to 2.5	Pass	
			-20	3.7	4.991	0.0026	-2.5 to 2.5	Pass	
			-10	3.7	1.269	0.0007	-2.5 to 2.5	Pass	
			0	3.7	3.150	0.0017	-2.5 to 2.5	Pass	
10	3.7	-0.186	-0.0001	-2.5 to 2.5	Pass				
30	3.7	1.740	0.0009	-2.5 to 2.5	Pass				
40	3.7	-0.265	-0.0001	-2.5 to 2.5	Pass				
50	3.7	4.876	0.0026	-2.5 to 2.5	Pass				

## 1.4 B2\_10MHz

### 1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.2	-11.526	-0.0062	-2.5 to 2.5	Pass
					3.7	4.037	0.0022	-2.5 to 2.5	Pass
					4.2	7.532	0.0041	-2.5 to 2.5	Pass
				-30	3.7	5.768	0.0031	-2.5 to 2.5	Pass
				-20	3.7	0.802	0.0004	-2.5 to 2.5	Pass
				-10	3.7	-2.460	-0.0013	-2.5 to 2.5	Pass
				0	3.7	-3.703	-0.0020	-2.5 to 2.5	Pass
				10	3.7	0.923	0.0005	-2.5 to 2.5	Pass
				30	3.7	-4.819	-0.0026	-2.5 to 2.5	Pass
				40	3.7	-4.474	-0.0024	-2.5 to 2.5	Pass
	50	3.7	-2.761	-0.0015	-2.5 to 2.5	Pass			
	1880	50	0	20	3.2	-6.067	-0.0032	-2.5 to 2.5	Pass
					3.7	2.083	0.0011	-2.5 to 2.5	Pass
					4.2	3.997	0.0021	-2.5 to 2.5	Pass
				-30	3.7	2.975	0.0016	-2.5 to 2.5	Pass
				-20	3.7	4.759	0.0025	-2.5 to 2.5	Pass
				-10	3.7	5.228	0.0028	-2.5 to 2.5	Pass
				0	3.7	6.273	0.0033	-2.5 to 2.5	Pass
				10	3.7	4.907	0.0026	-2.5 to 2.5	Pass
				30	3.7	4.898	0.0026	-2.5 to 2.5	Pass
				40	3.7	0.693	0.0004	-2.5 to 2.5	Pass
	50	3.7	5.370	0.0029	-2.5 to 2.5	Pass			
	1905	50	0	20	3.2	-5.520	-0.0029	-2.5 to 2.5	Pass
					3.7	6.104	0.0032	-2.5 to 2.5	Pass
					4.2	1.820	0.0010	-2.5 to 2.5	Pass
				-30	3.7	4.100	0.0022	-2.5 to 2.5	Pass
				-20	3.7	6.675	0.0035	-2.5 to 2.5	Pass
				-10	3.7	2.761	0.0014	-2.5 to 2.5	Pass
				0	3.7	6.108	0.0032	-2.5 to 2.5	Pass
				10	3.7	1.907	0.0010	-2.5 to 2.5	Pass
30				3.7	5.396	0.0028	-2.5 to 2.5	Pass	
40				3.7	5.761	0.0030	-2.5 to 2.5	Pass	
50	3.7	5.877	0.0031	-2.5 to 2.5	Pass				
16QAM	1855	27	0	20	3.2	-4.362	-0.0024	-2.5 to 2.5	Pass
					3.7	0.714	0.0004	-2.5 to 2.5	Pass
					4.2	-1.512	-0.0008	-2.5 to 2.5	Pass
				-30	3.7	-1.517	-0.0008	-2.5 to 2.5	Pass
				-20	3.7	3.972	0.0021	-2.5 to 2.5	Pass
				-10	3.7	3.116	0.0017	-2.5 to 2.5	Pass
				0	3.7	6.795	0.0037	-2.5 to 2.5	Pass
				10	3.7	5.169	0.0028	-2.5 to 2.5	Pass
				30	3.7	5.401	0.0029	-2.5 to 2.5	Pass
				40	3.7	5.958	0.0032	-2.5 to 2.5	Pass
	50	3.7	6.156	0.0033	-2.5 to 2.5	Pass			
	1880	27	0	20	3.2	4.064	0.0022	-2.5 to 2.5	Pass
					3.7	6.146	0.0033	-2.5 to 2.5	Pass
					4.2	7.170	0.0038	-2.5 to 2.5	Pass
				-30	3.7	5.214	0.0028	-2.5 to 2.5	Pass
				-20	3.7	7.522	0.0040	-2.5 to 2.5	Pass
				-10	3.7	6.022	0.0032	-2.5 to 2.5	Pass
				0	3.7	5.103	0.0027	-2.5 to 2.5	Pass
				10	3.7	5.764	0.0031	-2.5 to 2.5	Pass
				30	3.7	1.044	0.0006	-2.5 to 2.5	Pass
				40	3.7	4.021	0.0021	-2.5 to 2.5	Pass
	50	3.7	0.374	0.0002	-2.5 to 2.5	Pass			
	1905	27	23	20	3.2	6.366	0.0033	-2.5 to 2.5	Pass
					3.7	5.427	0.0028	-2.5 to 2.5	Pass

					4.2	4.877	0.0026	-2.5 to 2.5	Pass
				-30	3.7	-0.259	-0.0001	-2.5 to 2.5	Pass
				-20	3.7	5.360	0.0028	-2.5 to 2.5	Pass
				-10	3.7	5.166	0.0027	-2.5 to 2.5	Pass
				0	3.7	5.190	0.0027	-2.5 to 2.5	Pass
				10	3.7	3.922	0.0021	-2.5 to 2.5	Pass
				30	3.7	5.168	0.0027	-2.5 to 2.5	Pass
				40	3.7	5.053	0.0027	-2.5 to 2.5	Pass
				50	3.7	4.474	0.0023	-2.5 to 2.5	Pass

## 1.5 B2\_15MHz

### 1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.2	-8.947	-0.0048	-2.5 to 2.5	Pass
					3.7	5.963	0.0032	-2.5 to 2.5	Pass
					4.2	8.286	0.0045	-2.5 to 2.5	Pass
				-30	3.7	6.181	0.0033	-2.5 to 2.5	Pass
				-20	3.7	8.277	0.0045	-2.5 to 2.5	Pass
				-10	3.7	7.659	0.0041	-2.5 to 2.5	Pass
				0	3.7	-1.014	-0.0005	-2.5 to 2.5	Pass
				10	3.7	2.309	0.0012	-2.5 to 2.5	Pass
				30	3.7	6.460	0.0035	-2.5 to 2.5	Pass
	40	3.7	6.302	0.0034	-2.5 to 2.5	Pass			
	50	3.7	8.583	0.0046	-2.5 to 2.5	Pass			
	1880	75	0	20	3.2	-1.439	-0.0008	-2.5 to 2.5	Pass
					3.7	6.877	0.0037	-2.5 to 2.5	Pass
					4.2	2.560	0.0014	-2.5 to 2.5	Pass
				-30	3.7	7.154	0.0038	-2.5 to 2.5	Pass
				-20	3.7	2.007	0.0011	-2.5 to 2.5	Pass
				-10	3.7	0.818	0.0004	-2.5 to 2.5	Pass
				0	3.7	5.975	0.0032	-2.5 to 2.5	Pass
				10	3.7	6.018	0.0032	-2.5 to 2.5	Pass
				30	3.7	4.901	0.0026	-2.5 to 2.5	Pass
	40	3.7	0.923	0.0005	-2.5 to 2.5	Pass			
	50	3.7	6.635	0.0035	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.2	-7.518	-0.0040	-2.5 to 2.5	Pass
					3.7	0.345	0.0002	-2.5 to 2.5	Pass
					4.2	5.114	0.0027	-2.5 to 2.5	Pass
				-30	3.7	4.958	0.0026	-2.5 to 2.5	Pass
				-20	3.7	5.209	0.0027	-2.5 to 2.5	Pass
-10				3.7	6.177	0.0032	-2.5 to 2.5	Pass	
0				3.7	4.826	0.0025	-2.5 to 2.5	Pass	
10				3.7	4.220	0.0022	-2.5 to 2.5	Pass	
30				3.7	5.147	0.0027	-2.5 to 2.5	Pass	
40	3.7	5.531	0.0029	-2.5 to 2.5	Pass				
50	3.7	5.295	0.0028	-2.5 to 2.5	Pass				
16QAM	1857.5	27	0	20	3.2	7.124	0.0038	-2.5 to 2.5	Pass
					3.7	4.979	0.0027	-2.5 to 2.5	Pass
					4.2	5.278	0.0028	-2.5 to 2.5	Pass
				-30	3.7	8.067	0.0043	-2.5 to 2.5	Pass
				-20	3.7	8.325	0.0045	-2.5 to 2.5	Pass
				-10	3.7	6.006	0.0032	-2.5 to 2.5	Pass
0	3.7	4.330	0.0023	-2.5 to 2.5	Pass				

				10	3.7	7.140	0.0038	-2.5 to 2.5	Pass			
				30	3.7	4.658	0.0025	-2.5 to 2.5	Pass			
				40	3.7	7.861	0.0042	-2.5 to 2.5	Pass			
				50	3.7	6.353	0.0034	-2.5 to 2.5	Pass			
				20	3.2	-2.188	-0.0012	-2.5 to 2.5	Pass			
	1880	27	0	20	3.7	4.371	0.0023	-2.5 to 2.5	Pass			
				4.2	6.293	0.0033	-2.5 to 2.5	Pass				
				-30	3.7	5.378	0.0029	-2.5 to 2.5	Pass			
				-20	3.7	7.180	0.0038	-2.5 to 2.5	Pass			
				-10	3.7	5.924	0.0032	-2.5 to 2.5	Pass			
				0	3.7	4.981	0.0026	-2.5 to 2.5	Pass			
				10	3.7	5.580	0.0030	-2.5 to 2.5	Pass			
				30	3.7	5.817	0.0031	-2.5 to 2.5	Pass			
				40	3.7	3.984	0.0021	-2.5 to 2.5	Pass			
				50	3.7	2.762	0.0015	-2.5 to 2.5	Pass			
				1902.5	27	48	20	3.2	5.749	0.0030	-2.5 to 2.5	Pass
							3.7	-1.012	-0.0005	-2.5 to 2.5	Pass	
							4.2	4.827	0.0025	-2.5 to 2.5	Pass	
							-30	3.7	4.241	0.0022	-2.5 to 2.5	Pass
							-20	3.7	4.837	0.0025	-2.5 to 2.5	Pass
-10	3.7	5.283	0.0028				-2.5 to 2.5	Pass				
0	3.7	0.758	0.0004				-2.5 to 2.5	Pass				
10	3.7	-1.147	-0.0006				-2.5 to 2.5	Pass				
30	3.7	3.225	0.0017				-2.5 to 2.5	Pass				
40	3.7	1.195	0.0006				-2.5 to 2.5	Pass				
50	3.7	5.740	0.0030	-2.5 to 2.5	Pass							

## 1.6 B2\_20MHz

### 1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.2	-7.404	-0.0040	-2.5 to 2.5	Pass
					3.7	6.056	0.0033	-2.5 to 2.5	Pass
					4.2	2.019	0.0011	-2.5 to 2.5	Pass
				-30	3.7	3.288	0.0018	-2.5 to 2.5	Pass
				-20	3.7	-1.156	-0.0006	-2.5 to 2.5	Pass
				-10	3.7	5.830	0.0031	-2.5 to 2.5	Pass
				0	3.7	5.063	0.0027	-2.5 to 2.5	Pass
				10	3.7	0.485	0.0003	-2.5 to 2.5	Pass
				30	3.7	4.033	0.0022	-2.5 to 2.5	Pass
				40	3.7	6.413	0.0034	-2.5 to 2.5	Pass
	50	3.7	6.611	0.0036	-2.5 to 2.5	Pass			
	1880	100	0	20	3.2	-7.710	-0.0041	-2.5 to 2.5	Pass
					3.7	2.724	0.0014	-2.5 to 2.5	Pass
					4.2	4.136	0.0022	-2.5 to 2.5	Pass
				-30	3.7	4.744	0.0025	-2.5 to 2.5	Pass
				-20	3.7	3.461	0.0018	-2.5 to 2.5	Pass
				-10	3.7	2.733	0.0015	-2.5 to 2.5	Pass
				0	3.7	4.994	0.0027	-2.5 to 2.5	Pass
				10	3.7	3.335	0.0018	-2.5 to 2.5	Pass
				30	3.7	4.055	0.0022	-2.5 to 2.5	Pass
40				3.7	4.651	0.0025	-2.5 to 2.5	Pass	
50	3.7	4.012	0.0021	-2.5 to 2.5	Pass				
1900	100	0	20	3.2	-7.305	-0.0038	-2.5 to 2.5	Pass	

					3.7	6.151	0.0032	-2.5 to 2.5	Pass	
					4.2	4.701	0.0025	-2.5 to 2.5	Pass	
				-30	3.7	2.093	0.0011	-2.5 to 2.5	Pass	
				-20	3.7	2.399	0.0013	-2.5 to 2.5	Pass	
				-10	3.7	5.911	0.0031	-2.5 to 2.5	Pass	
				0	3.7	4.220	0.0022	-2.5 to 2.5	Pass	
				10	3.7	4.344	0.0023	-2.5 to 2.5	Pass	
				30	3.7	7.025	0.0037	-2.5 to 2.5	Pass	
				40	3.7	3.954	0.0021	-2.5 to 2.5	Pass	
				50	3.7	2.779	0.0015	-2.5 to 2.5	Pass	
16QAM	1860	27	0	20	3.2	0.723	0.0004	-2.5 to 2.5	Pass	
					3.7	4.279	0.0023	-2.5 to 2.5	Pass	
					4.2	3.489	0.0019	-2.5 to 2.5	Pass	
				-30	3.7	5.271	0.0028	-2.5 to 2.5	Pass	
					-20	3.7	7.259	0.0039	-2.5 to 2.5	Pass
					-10	3.7	3.291	0.0018	-2.5 to 2.5	Pass
				0	3.7	5.413	0.0029	-2.5 to 2.5	Pass	
					10	3.7	1.441	0.0008	-2.5 to 2.5	Pass
					30	3.7	5.345	0.0029	-2.5 to 2.5	Pass
	1880	27	0	20	3.2	4.321	0.0023	-2.5 to 2.5	Pass	
					3.7	2.251	0.0012	-2.5 to 2.5	Pass	
					4.2	4.128	0.0022	-2.5 to 2.5	Pass	
				-30	3.7	3.707	0.0020	-2.5 to 2.5	Pass	
					-20	3.7	6.301	0.0034	-2.5 to 2.5	Pass
					-10	3.7	-0.422	-0.0002	-2.5 to 2.5	Pass
				0	3.7	6.093	0.0032	-2.5 to 2.5	Pass	
					10	3.7	5.530	0.0029	-2.5 to 2.5	Pass
					30	3.7	6.465	0.0034	-2.5 to 2.5	Pass
	1900	27	73	20	3.2	4.129	0.0022	-2.5 to 2.5	Pass	
					3.7	1.887	0.0010	-2.5 to 2.5	Pass	
					4.2	-3.308	-0.0017	-2.5 to 2.5	Pass	
				-30	3.7	-1.435	-0.0008	-2.5 to 2.5	Pass	
					-20	3.7	-0.243	-0.0001	-2.5 to 2.5	Pass
					-10	3.7	3.094	0.0016	-2.5 to 2.5	Pass
				0	3.7	4.398	0.0023	-2.5 to 2.5	Pass	
					10	3.7	0.027	0.0000	-2.5 to 2.5	Pass
					30	3.7	4.648	0.0024	-2.5 to 2.5	Pass
40	3.7	2.560	0.0013	-2.5 to 2.5	Pass					
	50	3.7	3.197	0.0017	-2.5 to 2.5	Pass				

## 2. Frequency Stability

### 2.1 B4\_1.4MHz

#### 2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	1710.7	6	0	20			3.2	-7.652	-0.0045	-2.5 to 2.5	Pass
							3.7	-5.775	-0.0034	-2.5 to 2.5	Pass
							4.2	-6.193	-0.0036	-2.5 to 2.5	Pass



				-30	3.7	-7.497	-0.0044	-2.5 to 2.5	Pass
				-20	3.7	1.703	0.0010	-2.5 to 2.5	Pass
				-10	3.7	1.828	0.0011	-2.5 to 2.5	Pass
				0	3.7	-8.644	-0.0051	-2.5 to 2.5	Pass
				10	3.7	0.529	0.0003	-2.5 to 2.5	Pass
				30	3.7	1.250	0.0007	-2.5 to 2.5	Pass
				40	3.7	0.339	0.0002	-2.5 to 2.5	Pass
	50	3.7	3.804	0.0022	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.2	-17.650	-0.0102	-2.5 to 2.5	Pass
					3.7	2.729	0.0016	-2.5 to 2.5	Pass
					4.2	2.747	0.0016	-2.5 to 2.5	Pass
				-30	3.7	-6.482	-0.0037	-2.5 to 2.5	Pass
				-20	3.7	-4.687	-0.0027	-2.5 to 2.5	Pass
				-10	3.7	-4.589	-0.0026	-2.5 to 2.5	Pass
				0	3.7	4.365	0.0025	-2.5 to 2.5	Pass
				10	3.7	4.742	0.0027	-2.5 to 2.5	Pass
				30	3.7	2.434	0.0014	-2.5 to 2.5	Pass
				40	3.7	-4.880	-0.0028	-2.5 to 2.5	Pass
				50	3.7	-2.955	-0.0017	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.2	-4.997	-0.0028	-2.5 to 2.5	Pass
					3.7	-1.298	-0.0007	-2.5 to 2.5	Pass
					4.2	4.629	0.0026	-2.5 to 2.5	Pass
				-30	3.7	6.941	0.0040	-2.5 to 2.5	Pass
				-20	3.7	-1.651	-0.0009	-2.5 to 2.5	Pass
				-10	3.7	6.784	0.0039	-2.5 to 2.5	Pass
				0	3.7	1.471	0.0008	-2.5 to 2.5	Pass
				10	3.7	-0.055	0.0000	-2.5 to 2.5	Pass
30				3.7	4.773	0.0027	-2.5 to 2.5	Pass	
40				3.7	2.782	0.0016	-2.5 to 2.5	Pass	
50				3.7	2.961	0.0017	-2.5 to 2.5	Pass	
16QAM	1710.7	6	0	20	3.2	0.787	0.0005	-2.5 to 2.5	Pass
					3.7	-9.672	-0.0057	-2.5 to 2.5	Pass
					4.2	-1.289	-0.0008	-2.5 to 2.5	Pass
				-30	3.7	1.984	0.0012	-2.5 to 2.5	Pass
				-20	3.7	0.084	0.0000	-2.5 to 2.5	Pass
				-10	3.7	3.313	0.0019	-2.5 to 2.5	Pass
				0	3.7	3.100	0.0018	-2.5 to 2.5	Pass
				10	3.7	1.830	0.0011	-2.5 to 2.5	Pass
				30	3.7	-6.627	-0.0039	-2.5 to 2.5	Pass
				40	3.7	0.581	0.0003	-2.5 to 2.5	Pass
				50	3.7	2.115	0.0012	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.2	-5.664	-0.0033	-2.5 to 2.5	Pass
					3.7	-9.374	-0.0054	-2.5 to 2.5	Pass
					4.2	-5.473	-0.0032	-2.5 to 2.5	Pass
				-30	3.7	-5.230	-0.0030	-2.5 to 2.5	Pass
				-20	3.7	-7.976	-0.0046	-2.5 to 2.5	Pass
				-10	3.7	-7.113	-0.0041	-2.5 to 2.5	Pass
				0	3.7	-2.643	-0.0015	-2.5 to 2.5	Pass
				10	3.7	-5.420	-0.0031	-2.5 to 2.5	Pass
				30	3.7	-6.771	-0.0039	-2.5 to 2.5	Pass
				40	3.7	-9.356	-0.0054	-2.5 to 2.5	Pass
				50	3.7	-2.369	-0.0014	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.2	-1.155	-0.0007	-2.5 to 2.5	Pass
					3.7	-5.255	-0.0030	-2.5 to 2.5	Pass
					4.2	-5.081	-0.0029	-2.5 to 2.5	Pass
				-30	3.7	-5.013	-0.0029	-2.5 to 2.5	Pass
				-20	3.7	-6.179	-0.0035	-2.5 to 2.5	Pass
-10				3.7	-3.444	-0.0020	-2.5 to 2.5	Pass	
0				3.7	-7.039	-0.0040	-2.5 to 2.5	Pass	

				10	3.7	-4.887	-0.0028	-2.5 to 2.5	Pass
				30	3.7	-4.095	-0.0023	-2.5 to 2.5	Pass
				40	3.7	-2.831	-0.0016	-2.5 to 2.5	Pass
				50	3.7	-3.039	-0.0017	-2.5 to 2.5	Pass

## 2.2 B4\_3MHz

### 2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.2	-7.101	-0.0041	-2.5 to 2.5	Pass
					3.7	-10.688	-0.0062	-2.5 to 2.5	Pass
					4.2	-9.354	-0.0055	-2.5 to 2.5	Pass
				-30	3.7	-5.255	-0.0031	-2.5 to 2.5	Pass
				-20	3.7	-5.726	-0.0033	-2.5 to 2.5	Pass
				-10	3.7	-5.958	-0.0035	-2.5 to 2.5	Pass
				0	3.7	-7.979	-0.0047	-2.5 to 2.5	Pass
				10	3.7	-5.105	-0.0030	-2.5 to 2.5	Pass
				30	3.7	-5.133	-0.0030	-2.5 to 2.5	Pass
				40	3.7	-3.025	-0.0018	-2.5 to 2.5	Pass
	50	3.7	-4.824	-0.0028	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.2	-4.174	-0.0024	-2.5 to 2.5	Pass
					3.7	-0.764	-0.0004	-2.5 to 2.5	Pass
					4.2	5.666	0.0033	-2.5 to 2.5	Pass
				-30	3.7	-8.088	-0.0047	-2.5 to 2.5	Pass
				-20	3.7	-3.539	-0.0020	-2.5 to 2.5	Pass
				-10	3.7	-5.629	-0.0032	-2.5 to 2.5	Pass
				0	3.7	-2.349	-0.0014	-2.5 to 2.5	Pass
				10	3.7	0.623	0.0004	-2.5 to 2.5	Pass
				30	3.7	-5.181	-0.0030	-2.5 to 2.5	Pass
				40	3.7	-2.393	-0.0014	-2.5 to 2.5	Pass
	50	3.7	-4.825	-0.0028	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.2	-1.367	-0.0008	-2.5 to 2.5	Pass
					3.7	5.133	0.0029	-2.5 to 2.5	Pass
					4.2	4.685	0.0027	-2.5 to 2.5	Pass
				-30	3.7	4.905	0.0028	-2.5 to 2.5	Pass
				-20	3.7	4.555	0.0026	-2.5 to 2.5	Pass
				-10	3.7	5.366	0.0031	-2.5 to 2.5	Pass
				0	3.7	3.592	0.0020	-2.5 to 2.5	Pass
				10	3.7	3.767	0.0021	-2.5 to 2.5	Pass
30				3.7	6.151	0.0035	-2.5 to 2.5	Pass	
40				3.7	1.554	0.0009	-2.5 to 2.5	Pass	
50	3.7	4.834	0.0028	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.2	-4.999	-0.0029	-2.5 to 2.5	Pass
					3.7	-2.339	-0.0014	-2.5 to 2.5	Pass
					4.2	-3.325	-0.0019	-2.5 to 2.5	Pass
				-30	3.7	-5.082	-0.0030	-2.5 to 2.5	Pass
				-20	3.7	-4.374	-0.0026	-2.5 to 2.5	Pass
				-10	3.7	-3.602	-0.0021	-2.5 to 2.5	Pass
				0	3.7	-5.354	-0.0031	-2.5 to 2.5	Pass
				10	3.7	-1.424	-0.0008	-2.5 to 2.5	Pass
				30	3.7	-5.358	-0.0031	-2.5 to 2.5	Pass
				40	3.7	-3.550	-0.0021	-2.5 to 2.5	Pass
	50	3.7	-3.617	-0.0021	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.2	-2.496	-0.0014	-2.5 to 2.5	Pass

					3.7	-5.827	-0.0034	-2.5 to 2.5	Pass	
					4.2	-1.364	-0.0008	-2.5 to 2.5	Pass	
				-30	3.7	0.222	0.0001	-2.5 to 2.5	Pass	
				-20	3.7	2.457	0.0014	-2.5 to 2.5	Pass	
				-10	3.7	1.135	0.0007	-2.5 to 2.5	Pass	
				0	3.7	4.085	0.0024	-2.5 to 2.5	Pass	
				10	3.7	3.966	0.0023	-2.5 to 2.5	Pass	
				30	3.7	2.998	0.0017	-2.5 to 2.5	Pass	
				40	3.7	2.740	0.0016	-2.5 to 2.5	Pass	
	50	3.7	4.102	0.0024	-2.5 to 2.5	Pass				
	1753.5	15	0	20		3.2	5.203	0.0030	-2.5 to 2.5	Pass
						3.7	6.896	0.0039	-2.5 to 2.5	Pass
						4.2	4.734	0.0027	-2.5 to 2.5	Pass
				-30	3.7	5.200	0.0030	-2.5 to 2.5	Pass	
				-20	3.7	5.119	0.0029	-2.5 to 2.5	Pass	
				-10	3.7	5.206	0.0030	-2.5 to 2.5	Pass	
				0	3.7	4.713	0.0027	-2.5 to 2.5	Pass	
				10	3.7	4.969	0.0028	-2.5 to 2.5	Pass	
30				3.7	4.361	0.0025	-2.5 to 2.5	Pass		
40	3.7	6.306	0.0036	-2.5 to 2.5	Pass					
50	3.7	7.044	0.0040	-2.5 to 2.5	Pass					

## 2.3 B4\_5MHz

### 2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1712.5	25	0	20		3.2	-8.443	-0.0049	-2.5 to 2.5	Pass
						3.7	5.336	0.0031	-2.5 to 2.5	Pass
						4.2	4.950	0.0029	-2.5 to 2.5	Pass
				-30	3.7	4.049	0.0024	-2.5 to 2.5	Pass	
				-20	3.7	4.234	0.0025	-2.5 to 2.5	Pass	
				-10	3.7	4.252	0.0025	-2.5 to 2.5	Pass	
				0	3.7	1.047	0.0006	-2.5 to 2.5	Pass	
				10	3.7	3.241	0.0019	-2.5 to 2.5	Pass	
				30	3.7	4.390	0.0026	-2.5 to 2.5	Pass	
	40	3.7	0.948	0.0006	-2.5 to 2.5	Pass				
	50	3.7	2.955	0.0017	-2.5 to 2.5	Pass				
	1732.5	25	0	20		3.2	-3.048	-0.0018	-2.5 to 2.5	Pass
						3.7	6.118	0.0035	-2.5 to 2.5	Pass
						4.2	4.735	0.0027	-2.5 to 2.5	Pass
				-30	3.7	4.784	0.0028	-2.5 to 2.5	Pass	
				-20	3.7	3.368	0.0019	-2.5 to 2.5	Pass	
				-10	3.7	5.881	0.0034	-2.5 to 2.5	Pass	
				0	3.7	5.856	0.0034	-2.5 to 2.5	Pass	
				10	3.7	2.700	0.0016	-2.5 to 2.5	Pass	
				30	3.7	5.009	0.0029	-2.5 to 2.5	Pass	
	40	3.7	6.095	0.0035	-2.5 to 2.5	Pass				
	50	3.7	2.474	0.0014	-2.5 to 2.5	Pass				
	1752.5	25	0	20		3.2	-6.417	-0.0037	-2.5 to 2.5	Pass
						3.7	2.795	0.0016	-2.5 to 2.5	Pass
						4.2	4.556	0.0026	-2.5 to 2.5	Pass
				-30	3.7	6.105	0.0035	-2.5 to 2.5	Pass	
				-20	3.7	0.528	0.0003	-2.5 to 2.5	Pass	
-10	3.7	2.466	0.0014	-2.5 to 2.5	Pass					

				0	3.7	6.228	0.0036	-2.5 to 2.5	Pass
				10	3.7	3.062	0.0017	-2.5 to 2.5	Pass
				30	3.7	-0.834	-0.0005	-2.5 to 2.5	Pass
				40	3.7	0.550	0.0003	-2.5 to 2.5	Pass
				50	3.7	1.332	0.0008	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.2	4.361	0.0025	-2.5 to 2.5	Pass
					3.7	3.434	0.0020	-2.5 to 2.5	Pass
					4.2	3.848	0.0022	-2.5 to 2.5	Pass
				-30	3.7	1.714	0.0010	-2.5 to 2.5	Pass
				-20	3.7	5.083	0.0030	-2.5 to 2.5	Pass
				-10	3.7	4.426	0.0026	-2.5 to 2.5	Pass
				0	3.7	3.529	0.0021	-2.5 to 2.5	Pass
				10	3.7	2.766	0.0016	-2.5 to 2.5	Pass
				30	3.7	2.925	0.0017	-2.5 to 2.5	Pass
				40	3.7	4.279	0.0025	-2.5 to 2.5	Pass
	50	3.7	2.323	0.0014	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.2	5.023	0.0029	-2.5 to 2.5	Pass
					3.7	2.490	0.0014	-2.5 to 2.5	Pass
					4.2	4.341	0.0025	-2.5 to 2.5	Pass
				-30	3.7	1.644	0.0009	-2.5 to 2.5	Pass
				-20	3.7	3.460	0.0020	-2.5 to 2.5	Pass
				-10	3.7	1.518	0.0009	-2.5 to 2.5	Pass
				0	3.7	0.462	0.0003	-2.5 to 2.5	Pass
				10	3.7	0.657	0.0004	-2.5 to 2.5	Pass
				30	3.7	0.786	0.0005	-2.5 to 2.5	Pass
				40	3.7	-0.724	-0.0004	-2.5 to 2.5	Pass
	50	3.7	4.214	0.0024	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.2	0.431	0.0002	-2.5 to 2.5	Pass
					3.7	-11.947	-0.0068	-2.5 to 2.5	Pass
					4.2	-5.568	-0.0032	-2.5 to 2.5	Pass
				-30	3.7	-3.719	-0.0021	-2.5 to 2.5	Pass
				-20	3.7	-3.323	-0.0019	-2.5 to 2.5	Pass
				-10	3.7	-1.264	-0.0007	-2.5 to 2.5	Pass
				0	3.7	4.070	0.0023	-2.5 to 2.5	Pass
				10	3.7	3.704	0.0021	-2.5 to 2.5	Pass
30				3.7	3.362	0.0019	-2.5 to 2.5	Pass	
40				3.7	5.343	0.0030	-2.5 to 2.5	Pass	
50	3.7	-1.626	-0.0009	-2.5 to 2.5	Pass				

## 2.4 B4\_10MHz

### 2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.2	-6.693	-0.0039	-2.5 to 2.5	Pass
					3.7	3.177	0.0019	-2.5 to 2.5	Pass
					4.2	3.286	0.0019	-2.5 to 2.5	Pass
				-30	3.7	2.253	0.0013	-2.5 to 2.5	Pass
				-20	3.7	2.503	0.0015	-2.5 to 2.5	Pass
				-10	3.7	5.862	0.0034	-2.5 to 2.5	Pass
				0	3.7	2.814	0.0016	-2.5 to 2.5	Pass
				10	3.7	4.741	0.0028	-2.5 to 2.5	Pass
				30	3.7	0.333	0.0002	-2.5 to 2.5	Pass
				40	3.7	0.793	0.0005	-2.5 to 2.5	Pass
50	3.7	2.749	0.0016	-2.5 to 2.5	Pass				

	1732.5	50	0	20	3.2	-7.329	-0.0042	-2.5 to 2.5	Pass	
					3.7	-2.340	-0.0014	-2.5 to 2.5	Pass	
					4.2	2.089	0.0012	-2.5 to 2.5	Pass	
				-30	3.7	1.019	0.0006	-2.5 to 2.5	Pass	
					-20	3.7	-16.153	-0.0093	-2.5 to 2.5	Pass
					-10	3.7	-16.630	-0.0096	-2.5 to 2.5	Pass
				0	3.7	-13.892	-0.0080	-2.5 to 2.5	Pass	
					10	3.7	-10.602	-0.0061	-2.5 to 2.5	Pass
					30	3.7	-12.045	-0.0070	-2.5 to 2.5	Pass
	40	3.7	-9.612		-0.0055	-2.5 to 2.5	Pass			
	50	3.7	-10.665		-0.0062	-2.5 to 2.5	Pass			
	1750	50	0		20	3.2	-1.601	-0.0009	-2.5 to 2.5	Pass
				3.7		-6.041	-0.0035	-2.5 to 2.5	Pass	
				4.2		-5.071	-0.0029	-2.5 to 2.5	Pass	
				-30	3.7	-5.838	-0.0033	-2.5 to 2.5	Pass	
					-20	3.7	-4.676	-0.0027	-2.5 to 2.5	Pass
					-10	3.7	-5.861	-0.0033	-2.5 to 2.5	Pass
				0	3.7	-4.679	-0.0027	-2.5 to 2.5	Pass	
10					3.7	-5.265	-0.0030	-2.5 to 2.5	Pass	
30					3.7	-4.734	-0.0027	-2.5 to 2.5	Pass	
40	3.7	-6.269	-0.0036		-2.5 to 2.5	Pass				
50	3.7	-6.970	-0.0040		-2.5 to 2.5	Pass				
16QAM	1715	27	0		20	3.2	3.79	0.0023	-2.5 to 2.5	Pass
				3.7		6.144	0.0036	-2.5 to 2.5	Pass	
				4.2		0.396	0.0002	-2.5 to 2.5	Pass	
				-30	3.7	-1.346	-0.0008	-2.5 to 2.5	Pass	
					-20	3.7	0.238	0.0001	-2.5 to 2.5	Pass
					-10	3.7	6.217	0.0036	-2.5 to 2.5	Pass
				0	3.7	0.952	0.0006	-2.5 to 2.5	Pass	
					10	3.7	4.698	0.0027	-2.5 to 2.5	Pass
					30	3.7	2.768	0.0016	-2.5 to 2.5	Pass
	40	3.7	5.505		0.0032	-2.5 to 2.5	Pass			
	50	3.7	3.083		0.0018	-2.5 to 2.5	Pass			
	1732.5	27	0		20	3.2	-8.900	-0.0051	-2.5 to 2.5	Pass
				3.7		-5.732	-0.0033	-2.5 to 2.5	Pass	
				4.2		-6.419	-0.0037	-2.5 to 2.5	Pass	
				-30	3.7	-6.128	-0.0035	-2.5 to 2.5	Pass	
					-20	3.7	-6.075	-0.0035	-2.5 to 2.5	Pass
					-10	3.7	-6.345	-0.0037	-2.5 to 2.5	Pass
				0	3.7	-6.249	-0.0036	-2.5 to 2.5	Pass	
10					3.7	-5.584	-0.0032	-2.5 to 2.5	Pass	
30					3.7	-6.258	-0.0036	-2.5 to 2.5	Pass	
40	3.7	-4.828	-0.0028		-2.5 to 2.5	Pass				
50	3.7	-6.818	-0.0039		-2.5 to 2.5	Pass				
1750	27	23	20		3.2	-6.466	-0.0037	-2.5 to 2.5	Pass	
				3.7	-7.757	-0.0044	-2.5 to 2.5	Pass		
				4.2	-6.999	-0.0040	-2.5 to 2.5	Pass		
			-30	3.7	-7.046	-0.0040	-2.5 to 2.5	Pass		
				-20	3.7	-6.589	-0.0038	-2.5 to 2.5	Pass	
				-10	3.7	-6.812	-0.0039	-2.5 to 2.5	Pass	
			0	3.7	-8.231	-0.0047	-2.5 to 2.5	Pass		
				10	3.7	-6.427	-0.0037	-2.5 to 2.5	Pass	
				30	3.7	-6.730	-0.0038	-2.5 to 2.5	Pass	
40	3.7	-6.892		-0.0039	-2.5 to 2.5	Pass				
50	3.7	-5.238		-0.0030	-2.5 to 2.5	Pass				

2.5 B4\_15MHz

## 2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.2	-6.014	-0.0035	-2.5 to 2.5	Pass
					3.7	-4.604	-0.0027	-2.5 to 2.5	Pass
					4.2	-7.147	-0.0042	-2.5 to 2.5	Pass
				-30	3.7	-5.422	-0.0032	-2.5 to 2.5	Pass
				-20	3.7	-6.041	-0.0035	-2.5 to 2.5	Pass
				-10	3.7	-6.778	-0.0039	-2.5 to 2.5	Pass
				0	3.7	-6.652	-0.0039	-2.5 to 2.5	Pass
				10	3.7	-5.376	-0.0031	-2.5 to 2.5	Pass
				30	3.7	-5.612	-0.0033	-2.5 to 2.5	Pass
				40	3.7	-7.284	-0.0042	-2.5 to 2.5	Pass
	50	3.7	-4.962	-0.0029	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.2	-1.833	-0.0011	-2.5 to 2.5	Pass
					3.7	-2.906	-0.0017	-2.5 to 2.5	Pass
					4.2	0.787	0.0005	-2.5 to 2.5	Pass
				-30	3.7	2.339	0.0014	-2.5 to 2.5	Pass
				-20	3.7	1.830	0.0011	-2.5 to 2.5	Pass
				-10	3.7	5.905	0.0034	-2.5 to 2.5	Pass
				0	3.7	1.282	0.0007	-2.5 to 2.5	Pass
				10	3.7	-4.207	-0.0024	-2.5 to 2.5	Pass
				30	3.7	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.7	-2.116	-0.0012	-2.5 to 2.5	Pass
	50	3.7	-2.499	-0.0014	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.2	-6.518	-0.0037	-2.5 to 2.5	Pass
					3.7	-3.834	-0.0022	-2.5 to 2.5	Pass
					4.2	3.245	0.0019	-2.5 to 2.5	Pass
				-30	3.7	5.098	0.0029	-2.5 to 2.5	Pass
				-20	3.7	3.489	0.0020	-2.5 to 2.5	Pass
				-10	3.7	-0.365	-0.0002	-2.5 to 2.5	Pass
				0	3.7	-4.718	-0.0027	-2.5 to 2.5	Pass
				10	3.7	-7.044	-0.0040	-2.5 to 2.5	Pass
30				3.7	-8.126	-0.0047	-2.5 to 2.5	Pass	
40				3.7	-2.757	-0.0016	-2.5 to 2.5	Pass	
50	3.7	-0.967	-0.0006	-2.5 to 2.5	Pass				
16QAM	1717.5	27	0	20	3.2	-4.335	-0.0025	-2.5 to 2.5	Pass
					3.7	-4.480	-0.0026	-2.5 to 2.5	Pass
					4.2	-7.258	-0.0042	-2.5 to 2.5	Pass
				-30	3.7	-5.792	-0.0034	-2.5 to 2.5	Pass
				-20	3.7	-5.523	-0.0032	-2.5 to 2.5	Pass
				-10	3.7	-3.098	-0.0018	-2.5 to 2.5	Pass
				0	3.7	-6.129	-0.0036	-2.5 to 2.5	Pass
				10	3.7	-6.362	-0.0037	-2.5 to 2.5	Pass
				30	3.7	-7.274	-0.0042	-2.5 to 2.5	Pass
				40	3.7	-3.391	-0.0020	-2.5 to 2.5	Pass
	50	3.7	-5.645	-0.0033	-2.5 to 2.5	Pass			
	1732.5	27	0	20	3.2	-5.206	-0.0030	-2.5 to 2.5	Pass
					3.7	-4.111	-0.0024	-2.5 to 2.5	Pass
					4.2	-0.865	-0.0005	-2.5 to 2.5	Pass
				-30	3.7	-4.029	-0.0023	-2.5 to 2.5	Pass
				-20	3.7	-4.905	-0.0028	-2.5 to 2.5	Pass
				-10	3.7	-5.312	-0.0031	-2.5 to 2.5	Pass
				0	3.7	-1.869	-0.0011	-2.5 to 2.5	Pass
10				3.7	-5.813	-0.0034	-2.5 to 2.5	Pass	
30	3.7	-4.535	-0.0026	-2.5 to 2.5	Pass				
40	3.7	-6.387	-0.0037	-2.5 to 2.5	Pass				

	1747.5	27	48	50	3.7	-4.375	-0.0025	-2.5 to 2.5	Pass
				20	3.2	-1.417	-0.0008	-2.5 to 2.5	Pass
					3.7	0.462	0.0003	-2.5 to 2.5	Pass
					4.2	-8.539	-0.0049	-2.5 to 2.5	Pass
				-30	3.7	-6.852	-0.0039	-2.5 to 2.5	Pass
				-20	3.7	-5.952	-0.0034	-2.5 to 2.5	Pass
				-10	3.7	-6.197	-0.0035	-2.5 to 2.5	Pass
				0	3.7	-5.734	-0.0033	-2.5 to 2.5	Pass
				10	3.7	-7.083	-0.0041	-2.5 to 2.5	Pass
				30	3.7	-1.510	-0.0009	-2.5 to 2.5	Pass
				40	3.7	-6.916	-0.0040	-2.5 to 2.5	Pass
				50	3.7	-4.364	-0.0025	-2.5 to 2.5	Pass

## 2.6 B4\_20MHz

### 2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.2	-14.074	-0.0082	-2.5 to 2.5	Pass
					3.7	4.087	0.0024	-2.5 to 2.5	Pass
					4.2	-5.604	-0.0033	-2.5 to 2.5	Pass
				-30	3.7	-0.986	-0.0006	-2.5 to 2.5	Pass
				-20	3.7	2.890	0.0017	-2.5 to 2.5	Pass
				-10	3.7	1.738	0.0010	-2.5 to 2.5	Pass
				0	3.7	3.427	0.0020	-2.5 to 2.5	Pass
				10	3.7	3.075	0.0018	-2.5 to 2.5	Pass
				30	3.7	-6.073	-0.0035	-2.5 to 2.5	Pass
				40	3.7	3.675	0.0021	-2.5 to 2.5	Pass
				50	3.7	4.175	0.0024	-2.5 to 2.5	Pass
				1732.5	100	0	20	3.2	-4.820
	3.7	5.323	0.0031					-2.5 to 2.5	Pass
	4.2	-2.218	-0.0013					-2.5 to 2.5	Pass
	-30	3.7	4.403				0.0025	-2.5 to 2.5	Pass
	-20	3.7	5.957				0.0034	-2.5 to 2.5	Pass
	-10	3.7	5.586				0.0032	-2.5 to 2.5	Pass
	0	3.7	-3.307				-0.0019	-2.5 to 2.5	Pass
	10	3.7	4.534				0.0026	-2.5 to 2.5	Pass
	30	3.7	-4.663				-0.0027	-2.5 to 2.5	Pass
	40	3.7	3.785				0.0022	-2.5 to 2.5	Pass
	50	3.7	-5.261				-0.0030	-2.5 to 2.5	Pass
	1745	100	0				20	3.2	-3.563
				3.7	4.592	0.0026		-2.5 to 2.5	Pass
				4.2	4.056	0.0023		-2.5 to 2.5	Pass
				-30	3.7	-4.545	-0.0026	-2.5 to 2.5	Pass
				-20	3.7	5.349	0.0031	-2.5 to 2.5	Pass
-10				3.7	3.425	0.0020	-2.5 to 2.5	Pass	
0				3.7	-3.500	-0.0020	-2.5 to 2.5	Pass	
10				3.7	3.051	0.0017	-2.5 to 2.5	Pass	
30				3.7	3.480	0.0020	-2.5 to 2.5	Pass	
40				3.7	-7.186	-0.0041	-2.5 to 2.5	Pass	
50				3.7	3.911	0.0022	-2.5 to 2.5	Pass	
16QAM				1720	27	0	20	3.2	6.723
	3.7	7.143	0.0042					-2.5 to 2.5	Pass
	4.2	-2.258	-0.0013					-2.5 to 2.5	Pass
	-30	3.7	4.479				0.0026	-2.5 to 2.5	Pass

				-20	3.7	6.233	0.0036	-2.5 to 2.5	Pass			
				-10	3.7	5.676	0.0033	-2.5 to 2.5	Pass			
				0	3.7	-3.756	-0.0022	-2.5 to 2.5	Pass			
				10	3.7	-2.407	-0.0014	-2.5 to 2.5	Pass			
				30	3.7	6.631	0.0039	-2.5 to 2.5	Pass			
				40	3.7	-1.432	-0.0008	-2.5 to 2.5	Pass			
				50	3.7	4.542	0.0026	-2.5 to 2.5	Pass			
	1732.5	27	0	20	3.2	5.243	0.0030	-2.5 to 2.5	Pass			
					3.7	5.008	0.0029	-2.5 to 2.5	Pass			
					4.2	4.849	0.0028	-2.5 to 2.5	Pass			
				-30	3.7	-4.763	-0.0027	-2.5 to 2.5	Pass			
				-20	3.7	-5.425	-0.0031	-2.5 to 2.5	Pass			
				-10	3.7	-8.878	-0.0051	-2.5 to 2.5	Pass			
				0	3.7	4.916	0.0028	-2.5 to 2.5	Pass			
				10	3.7	-3.781	-0.0022	-2.5 to 2.5	Pass			
				30	3.7	4.811	0.0028	-2.5 to 2.5	Pass			
				40	3.7	5.860	0.0034	-2.5 to 2.5	Pass			
				50	3.7	-8.352	-0.0048	-2.5 to 2.5	Pass			
				1745	27	73	20	3.2	-6.690	-0.0038	-2.5 to 2.5	Pass
								3.7	-5.303	-0.0030	-2.5 to 2.5	Pass
	4.2	-6.587	-0.0038					-2.5 to 2.5	Pass			
	-30	3.7	-6.431				-0.0037	-2.5 to 2.5	Pass			
	-20	3.7	-3.410				-0.0020	-2.5 to 2.5	Pass			
	-10	3.7	-6.114				-0.0035	-2.5 to 2.5	Pass			
	0	3.7	4.900				0.0028	-2.5 to 2.5	Pass			
	10	3.7	-5.064				-0.0029	-2.5 to 2.5	Pass			
	30	3.7	-6.021				-0.0035	-2.5 to 2.5	Pass			
40	3.7	-5.750	-0.0033				-2.5 to 2.5	Pass				
50	3.7	-6.787	-0.0039	-2.5 to 2.5	Pass							

### 3. Frequency Stability

#### 3.1 B5\_1.4MHz

##### 3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.2	-6.405	-0.0078	-2.5 to 2.5	Pass
					3.7	-5.909	-0.0072	-2.5 to 2.5	Pass
					4.2	-4.302	-0.0052	-2.5 to 2.5	Pass
				-30	3.7	-3.522	-0.0043	-2.5 to 2.5	Pass
				-20	3.7	-1.289	-0.0016	-2.5 to 2.5	Pass
				-10	3.7	-0.618	-0.0007	-2.5 to 2.5	Pass
				0	3.7	-2.883	-0.0035	-2.5 to 2.5	Pass
				10	3.7	-2.726	-0.0033	-2.5 to 2.5	Pass
				30	3.7	-0.933	-0.0011	-2.5 to 2.5	Pass
				40	3.7	-1.578	-0.0019	-2.5 to 2.5	Pass
	50	3.7	-2.548	-0.0031	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.2	-2.120	-0.0025	-2.5 to 2.5	Pass
					3.7	-6.547	-0.0078	-2.5 to 2.5	Pass
					4.2	-5.567	-0.0067	-2.5 to 2.5	Pass
				-30	3.7	-1.868	-0.0022	-2.5 to 2.5	Pass
				-20	3.7	-2.960	-0.0035	-2.5 to 2.5	Pass
				-10	3.7	-4.445	-0.0053	-2.5 to 2.5	Pass



				0	3.7	-6.333	-0.0076	-2.5 to 2.5	Pass				
				10	3.7	-6.627	-0.0079	-2.5 to 2.5	Pass				
				30	3.7	-6.582	-0.0079	-2.5 to 2.5	Pass				
				40	3.7	-6.274	-0.0075	-2.5 to 2.5	Pass				
				50	3.7	-6.442	-0.0077	-2.5 to 2.5	Pass				
	848.3	6	0	20	3.2	-2.145	-0.0025	-2.5 to 2.5	Pass				
					3.7	-6.027	-0.0071	-2.5 to 2.5	Pass				
					4.2	-4.909	-0.0058	-2.5 to 2.5	Pass				
				-30	3.7	-5.870	-0.0069	-2.5 to 2.5	Pass				
				-20	3.7	-5.976	-0.0070	-2.5 to 2.5	Pass				
				-10	3.7	-6.538	-0.0077	-2.5 to 2.5	Pass				
				0	3.7	-6.254	-0.0074	-2.5 to 2.5	Pass				
				10	3.7	-3.196	-0.0038	-2.5 to 2.5	Pass				
				30	3.7	-5.577	-0.0066	-2.5 to 2.5	Pass				
				40	3.7	-5.874	-0.0069	-2.5 to 2.5	Pass				
				50	3.7	-4.662	-0.0055	-2.5 to 2.5	Pass				
				16QAM	824.7	6	0	20	3.2	-2.418	-0.0029	-2.5 to 2.5	Pass
									3.7	-1.882	-0.0023	-2.5 to 2.5	Pass
									4.2	-2.940	-0.0036	-2.5 to 2.5	Pass
-30	3.7	-3.702	-0.0045					-2.5 to 2.5	Pass				
-20	3.7	-3.339	-0.0040					-2.5 to 2.5	Pass				
-10	3.7	-3.236	-0.0039					-2.5 to 2.5	Pass				
0	3.7	-1.905	-0.0023					-2.5 to 2.5	Pass				
10	3.7	-2.804	-0.0034					-2.5 to 2.5	Pass				
30	3.7	-2.312	-0.0028					-2.5 to 2.5	Pass				
40	3.7	-2.773	-0.0034					-2.5 to 2.5	Pass				
50	3.7	-1.782	-0.0022					-2.5 to 2.5	Pass				
836.5	6	0	20					3.2	-6.179	-0.0074	-2.5 to 2.5	Pass	
								3.7	-4.607	-0.0055	-2.5 to 2.5	Pass	
								4.2	-4.319	-0.0052	-2.5 to 2.5	Pass	
			-30		3.7	-5.372	-0.0064	-2.5 to 2.5	Pass				
			-20		3.7	-5.661	-0.0068	-2.5 to 2.5	Pass				
848.3	6	0	20		3.2	-3.479	-0.0041	-2.5 to 2.5	Pass				
					3.7	-3.127	-0.0037	-2.5 to 2.5	Pass				
					4.2	-3.205	-0.0038	-2.5 to 2.5	Pass				
			-30	3.7	-3.781	-0.0045	-2.5 to 2.5	Pass					
			-20	3.7	-2.248	-0.0027	-2.5 to 2.5	Pass					
			-10	3.7	-2.155	-0.0025	-2.5 to 2.5	Pass					
			0	3.7	-1.529	-0.0018	-2.5 to 2.5	Pass					
			10	3.7	-1.545	-0.0018	-2.5 to 2.5	Pass					
			30	3.7	-2.915	-0.0034	-2.5 to 2.5	Pass					
			40	3.7	-3.229	-0.0038	-2.5 to 2.5	Pass					
50	3.7	-0.881	-0.0010	-2.5 to 2.5	Pass								

## 3.2 B5\_3MHz

### 3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	825.5	15	0	20	3.2	-8.354	-0.0101	-2.5 to 2.5	Pass				
					3.7	-0.820	-0.0010	-2.5 to 2.5	Pass				
					4.2	-1.216	-0.0015	-2.5 to 2.5	Pass				
				-30	3.7	-1.321	-0.0016	-2.5 to 2.5	Pass				
					-20	3.7	-0.499	-0.0006	-2.5 to 2.5	Pass			
					-10	3.7	-0.885	-0.0011	-2.5 to 2.5	Pass			
				836.5	15	0	0	3.7	-0.972	-0.0012	-2.5 to 2.5	Pass	
								10	3.7	-3.654	-0.0044	-2.5 to 2.5	Pass
								30	3.7	-3.910	-0.0047	-2.5 to 2.5	Pass
	40	3.7	-4.464				-0.0054	-2.5 to 2.5	Pass				
		50	3.7				-3.23	-0.0040	-2.5 to 2.5	Pass			
		20	3.2				-1.042	-0.0012	-2.5 to 2.5	Pass			
	3.7		-5.776				-0.0069	-2.5 to 2.5	Pass				
	4.2		-0.142				-0.0002	-2.5 to 2.5	Pass				
	847.5	15	0				-30	3.7	-0.266	-0.0003	-2.5 to 2.5	Pass	
				-20	3.7	-5.413		-0.0065	-2.5 to 2.5	Pass			
				-10	3.7	-3.095		-0.0037	-2.5 to 2.5	Pass			
				0	3.7	-0.508	-0.0006	-2.5 to 2.5	Pass				
					10	3.7	-5.169	-0.0062	-2.5 to 2.5	Pass			
					30	3.7	-5.273	-0.0063	-2.5 to 2.5	Pass			
				40	3.7	-5.122	-0.0061	-2.5 to 2.5	Pass				
					50	3.7	-4.699	-0.0056	-2.5 to 2.5	Pass			
					20	3.2	-0.438	-0.0005	-2.5 to 2.5	Pass			
	3.7	-5.168	-0.0061	-2.5 to 2.5		Pass							
	4.2	-3.881	-0.0046	-2.5 to 2.5		Pass							
	16QAM	825.5	15	0	-30	3.7	-4.429	-0.0052	-2.5 to 2.5	Pass			
						-20	3.7	-0.257	-0.0003	-2.5 to 2.5	Pass		
-10						3.7	-4.353	-0.0051	-2.5 to 2.5	Pass			
0					3.7	-4.924	-0.0058	-2.5 to 2.5	Pass				
					10	3.7	-0.208	-0.0002	-2.5 to 2.5	Pass			
					30	3.7	-0.524	-0.0006	-2.5 to 2.5	Pass			
40					3.7	-4.714	-0.0056	-2.5 to 2.5	Pass				
					50	3.7	-0.419	-0.0005	-2.5 to 2.5	Pass			
					20	3.2	-1.187	-0.0014	-2.5 to 2.5	Pass			
3.7		-1.107	-0.0013	-2.5 to 2.5		Pass							
4.2		-0.933	-0.0011	-2.5 to 2.5		Pass							
836.5		15	0	-30	3.7	-5.101	-0.0062	-2.5 to 2.5	Pass				
					-20	3.7	-5.183	-0.0063	-2.5 to 2.5	Pass			
					-10	3.7	-5.278	-0.0064	-2.5 to 2.5	Pass			
				0	3.7	-0.837	-0.0010	-2.5 to 2.5	Pass				
					10	3.7	-5.265	-0.0064	-2.5 to 2.5	Pass			
					30	3.7	-4.663	-0.0056	-2.5 to 2.5	Pass			
				40	3.7	-1.075	-0.0013	-2.5 to 2.5	Pass				
					50	3.7	-0.290	-0.0004	-2.5 to 2.5	Pass			
					20	3.2	-0.058	-0.0001	-2.5 to 2.5	Pass			
3.7		-4.927	-0.0059	-2.5 to 2.5		Pass							
4.2		-4.869	-0.0058	-2.5 to 2.5		Pass							
847.5		15	0	-30	3.7	-4.585	-0.0055	-2.5 to 2.5	Pass				
					-20	3.7	-4.672	-0.0056	-2.5 to 2.5	Pass			
					-10	3.7	-4.938	-0.0059	-2.5 to 2.5	Pass			
				0	3.7	-4.614	-0.0055	-2.5 to 2.5	Pass				
					10	3.7	-0.514	-0.0006	-2.5 to 2.5	Pass			
	30				3.7	-5.033	-0.0060	-2.5 to 2.5	Pass				
	40			3.7	-0.825	-0.0010	-2.5 to 2.5	Pass					
				50	3.7	-4.314	-0.0052	-2.5 to 2.5	Pass				
				20	3.2	-0.443	-0.0005	-2.5 to 2.5	Pass				
3.7	-3.336	-0.0039	-2.5 to 2.5		Pass								
4.2	-4.944	-0.0058	-2.5 to 2.5		Pass								
-30	3.7	-0.977	-0.0012	-2.5 to 2.5	Pass								

				-20	3.7	-0.852	-0.0010	-2.5 to 2.5	Pass
				-10	3.7	-4.791	-0.0057	-2.5 to 2.5	Pass
				0	3.7	-0.459	-0.0005	-2.5 to 2.5	Pass
				10	3.7	-5.335	-0.0063	-2.5 to 2.5	Pass
				30	3.7	-4.916	-0.0058	-2.5 to 2.5	Pass
				40	3.7	-4.407	-0.0052	-2.5 to 2.5	Pass
				50	3.7	-0.800	-0.0009	-2.5 to 2.5	Pass

### 3.3 B5\_5MHz

#### 3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz																	
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict								
		Size	Offset				Result	Limit									
QPSK	826.5	25	0	20	3.2	-5.807	-0.0070	-2.5 to 2.5	Pass								
					3.7	-4.964	-0.0060	-2.5 to 2.5	Pass								
					4.2	-0.714	-0.0009	-2.5 to 2.5	Pass								
				836.5	25	0	20	3.2	-1.896	-0.0023	-2.5 to 2.5	Pass					
								3.7	-5.562	-0.0066	-2.5 to 2.5	Pass					
								4.2	-2.117	-0.0025	-2.5 to 2.5	Pass					
							846.5	25	0	20	3.2	-1.891	-0.0022	-2.5 to 2.5	Pass		
											3.7	-6.596	-0.0078	-2.5 to 2.5	Pass		
											4.2	-2.469	-0.0029	-2.5 to 2.5	Pass		
	826.5	25	0							20	3.2	-2.881	-0.0035	-2.5 to 2.5	Pass		
											3.7	-4.813	-0.0058	-2.5 to 2.5	Pass		
											4.2	-2.191	-0.0027	-2.5 to 2.5	Pass		
				16QAM	826.5	25				0	-30	3.7	-3.684	-0.0045	-2.5 to 2.5	Pass	
												-20	3.7	-4.186	-0.0051	-2.5 to 2.5	Pass
												-10	3.7	-5.504	-0.0067	-2.5 to 2.5	Pass
							0	3.7	-6.128		-0.0074	-2.5 to 2.5	Pass				
								10	3.7		-3.202	-0.0039	-2.5 to 2.5	Pass			
								30	3.7		-2.987	-0.0036	-2.5 to 2.5	Pass			

	836.5	25	0	40	3.7	-3.982	-0.0048	-2.5 to 2.5	Pass
				50	3.7	-2.707	-0.0033	-2.5 to 2.5	Pass
				20	3.2	-2.095	-0.0025	-2.5 to 2.5	Pass
					3.7	-2.012	-0.0024	-2.5 to 2.5	Pass
					4.2	-4.237	-0.0051	-2.5 to 2.5	Pass
				-30	3.7	-2.744	-0.0033	-2.5 to 2.5	Pass
				-20	3.7	-4.076	-0.0049	-2.5 to 2.5	Pass
				-10	3.7	-4.096	-0.0049	-2.5 to 2.5	Pass
				0	3.7	-5.094	-0.0061	-2.5 to 2.5	Pass
				10	3.7	-0.848	-0.0010	-2.5 to 2.5	Pass
	30	3.7	-1.015	-0.0012	-2.5 to 2.5	Pass			
	40	3.7	-1.794	-0.0021	-2.5 to 2.5	Pass			
	50	3.7	-1.999	-0.0024	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.2	-2.554	-0.0030	-2.5 to 2.5	Pass
					3.7	-3.633	-0.0043	-2.5 to 2.5	Pass
					4.2	-2.278	-0.0027	-2.5 to 2.5	Pass
				-30	3.7	-3.202	-0.0038	-2.5 to 2.5	Pass
				-20	3.7	-4.064	-0.0048	-2.5 to 2.5	Pass
				-10	3.7	-4.291	-0.0051	-2.5 to 2.5	Pass
				0	3.7	-1.505	-0.0018	-2.5 to 2.5	Pass
10				3.7	-2.286	-0.0027	-2.5 to 2.5	Pass	
30				3.7	-2.907	-0.0034	-2.5 to 2.5	Pass	
40				3.7	-2.317	-0.0027	-2.5 to 2.5	Pass	
50	3.7	-1.733	-0.0020	-2.5 to 2.5	Pass				

### 3.4 B5\_10MHz

#### 3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.2	-1.923	-0.0023	-2.5 to 2.5	Pass
					3.7	-5.227	-0.0063	-2.5 to 2.5	Pass
					4.2	-1.229	-0.0015	-2.5 to 2.5	Pass
				-30	3.7	-1.561	-0.0019	-2.5 to 2.5	Pass
				-20	3.7	-1.653	-0.0020	-2.5 to 2.5	Pass
				-10	3.7	-2.338	-0.0028	-2.5 to 2.5	Pass
				0	3.7	-2.366	-0.0029	-2.5 to 2.5	Pass
				10	3.7	-1.179	-0.0014	-2.5 to 2.5	Pass
				30	3.7	-1.354	-0.0016	-2.5 to 2.5	Pass
				40	3.7	-1.261	-0.0015	-2.5 to 2.5	Pass
	50	3.7	-3.844	-0.0046	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.2	-2.654	-0.0032	-2.5 to 2.5	Pass
					3.7	-5.920	-0.0071	-2.5 to 2.5	Pass
					4.2	-1.343	-0.0016	-2.5 to 2.5	Pass
				-30	3.7	-1.455	-0.0017	-2.5 to 2.5	Pass
				-20	3.7	-2.330	-0.0028	-2.5 to 2.5	Pass
				-10	3.7	-2.588	-0.0031	-2.5 to 2.5	Pass
				0	3.7	-2.517	-0.0030	-2.5 to 2.5	Pass
				10	3.7	-2.399	-0.0029	-2.5 to 2.5	Pass
				30	3.7	-3.138	-0.0038	-2.5 to 2.5	Pass
40				3.7	-3.688	-0.0044	-2.5 to 2.5	Pass	
50	3.7	-2.206	-0.0026	-2.5 to 2.5	Pass				
844	50	0	20	3.2	-1.258	-0.0015	-2.5 to 2.5	Pass	
				3.7	-1.314	-0.0016	-2.5 to 2.5	Pass	
				4.2	-1.666	-0.0020	-2.5 to 2.5	Pass	

				-30	3.7	0.034	0.0000	-2.5 to 2.5	Pass
				-20	3.7	-1.304	-0.0015	-2.5 to 2.5	Pass
				-10	3.7	-1.139	-0.0013	-2.5 to 2.5	Pass
				0	3.7	-1.258	-0.0015	-2.5 to 2.5	Pass
				10	3.7	-1.296	-0.0015	-2.5 to 2.5	Pass
				30	3.7	0.010	0.0000	-2.5 to 2.5	Pass
				40	3.7	-1.081	-0.0013	-2.5 to 2.5	Pass
				50	3.7	-0.285	-0.0003	-2.5 to 2.5	Pass
16QAM	829	27	0	20	3.2	-1.544	-0.0019	-2.5 to 2.5	Pass
					3.7	-1.214	-0.0015	-2.5 to 2.5	Pass
					4.2	-0.924	-0.0011	-2.5 to 2.5	Pass
				-30	3.7	-0.174	-0.0002	-2.5 to 2.5	Pass
				-20	3.7	-0.984	-0.0012	-2.5 to 2.5	Pass
				-10	3.7	-1.503	-0.0018	-2.5 to 2.5	Pass
				0	3.7	-1.372	-0.0017	-2.5 to 2.5	Pass
				10	3.7	-1.932	-0.0023	-2.5 to 2.5	Pass
				30	3.7	-0.510	-0.0006	-2.5 to 2.5	Pass
				40	3.7	-1.715	-0.0021	-2.5 to 2.5	Pass
				50	3.7	-2.179	-0.0026	-2.5 to 2.5	Pass
				836.5	27	0	20	3.2	-0.984
	3.7	-1.867	-0.0022					-2.5 to 2.5	Pass
	4.2	-0.663	-0.0008					-2.5 to 2.5	Pass
	-30	3.7	-2.423				-0.0029	-2.5 to 2.5	Pass
	-20	3.7	-1.223				-0.0015	-2.5 to 2.5	Pass
	-10	3.7	-1.701				-0.0020	-2.5 to 2.5	Pass
	0	3.7	-1.121				-0.0013	-2.5 to 2.5	Pass
	10	3.7	-0.199				-0.0002	-2.5 to 2.5	Pass
	30	3.7	-0.973				-0.0012	-2.5 to 2.5	Pass
	40	3.7	-0.749				-0.0009	-2.5 to 2.5	Pass
	50	3.7	-0.284				-0.0003	-2.5 to 2.5	Pass
	844	27	23				20	3.2	-2.000
				3.7	-1.090	-0.0013		-2.5 to 2.5	Pass
				4.2	-1.117	-0.0013		-2.5 to 2.5	Pass
				-30	3.7	-1.120	-0.0013	-2.5 to 2.5	Pass
				-20	3.7	-1.375	-0.0016	-2.5 to 2.5	Pass
				-10	3.7	-1.438	-0.0017	-2.5 to 2.5	Pass
				0	3.7	-3.249	-0.0038	-2.5 to 2.5	Pass
				10	3.7	-1.378	-0.0016	-2.5 to 2.5	Pass
30				3.7	-0.910	-0.0011	-2.5 to 2.5	Pass	
40				3.7	-1.377	-0.0016	-2.5 to 2.5	Pass	
50				3.7	-2.059	-0.0024	-2.5 to 2.5	Pass	

## 4. Frequency Stability

### 4.1 B66\_1.4MHz

#### 4.1.1 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	3.2	-6.834	-0.0040	-2.5 to 2.5	Pass
					3.7	2.893	0.0017	-2.5 to 2.5	Pass
					4.2	4.407	0.0026	-2.5 to 2.5	Pass
				-30	3.7	-0.907	-0.0005	-2.5 to 2.5	Pass
				-20	3.7	4.317	0.0025	-2.5 to 2.5	Pass

				-10	3.7	1.438	0.0008	-2.5 to 2.5	Pass
				0	3.7	-0.290	-0.0002	-2.5 to 2.5	Pass
				10	3.7	2.509	0.0015	-2.5 to 2.5	Pass
				30	3.7	4.550	0.0027	-2.5 to 2.5	Pass
				40	3.7	2.889	0.0017	-2.5 to 2.5	Pass
	50	3.7	0.621	0.0004	-2.5 to 2.5	Pass			
	1745	6	0	20	3.2	-3.971	-0.0023	-2.5 to 2.5	Pass
					3.7	-5.694	-0.0033	-2.5 to 2.5	Pass
					4.2	-1.993	-0.0011	-2.5 to 2.5	Pass
				-30	3.7	-4.778	-0.0027	-2.5 to 2.5	Pass
				-20	3.7	-1.302	-0.0007	-2.5 to 2.5	Pass
				-10	3.7	-5.321	-0.0030	-2.5 to 2.5	Pass
				0	3.7	-3.997	-0.0023	-2.5 to 2.5	Pass
				10	3.7	-4.559	-0.0026	-2.5 to 2.5	Pass
				30	3.7	-3.571	-0.0020	-2.5 to 2.5	Pass
				40	3.7	0.642	0.0004	-2.5 to 2.5	Pass
	50	3.7	2.478	0.0014	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.2	-5.092	-0.0029	-2.5 to 2.5	Pass
					3.7	-0.494	-0.0003	-2.5 to 2.5	Pass
					4.2	-2.266	-0.0013	-2.5 to 2.5	Pass
				-30	3.7	-0.777	-0.0004	-2.5 to 2.5	Pass
				-20	3.7	-4.509	-0.0025	-2.5 to 2.5	Pass
				-10	3.7	-2.733	-0.0015	-2.5 to 2.5	Pass
				0	3.7	-1.195	-0.0007	-2.5 to 2.5	Pass
				10	3.7	-4.890	-0.0027	-2.5 to 2.5	Pass
30				3.7	-1.932	-0.0011	-2.5 to 2.5	Pass	
40				3.7	2.670	0.0015	-2.5 to 2.5	Pass	
50	3.7	-3.988	-0.0022	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.2	-1.821	-0.0011	-2.5 to 2.5	Pass
					3.7	-4.423	-0.0026	-2.5 to 2.5	Pass
					4.2	-7.804	-0.0046	-2.5 to 2.5	Pass
				-30	3.7	-6.005	-0.0035	-2.5 to 2.5	Pass
				-20	3.7	-8.724	-0.0051	-2.5 to 2.5	Pass
				-10	3.7	-3.751	-0.0022	-2.5 to 2.5	Pass
				0	3.7	-6.353	-0.0037	-2.5 to 2.5	Pass
				10	3.7	-8.690	-0.0051	-2.5 to 2.5	Pass
				30	3.7	-5.076	-0.0030	-2.5 to 2.5	Pass
				40	3.7	-4.110	-0.0024	-2.5 to 2.5	Pass
	50	3.7	-5.246	-0.0031	-2.5 to 2.5	Pass			
	1745	6	0	20	3.2	2.966	0.0017	-2.5 to 2.5	Pass
					3.7	0.927	0.0005	-2.5 to 2.5	Pass
					4.2	0.353	0.0002	-2.5 to 2.5	Pass
				-30	3.7	3.483	0.0020	-2.5 to 2.5	Pass
				-20	3.7	0.747	0.0004	-2.5 to 2.5	Pass
				-10	3.7	2.900	0.0017	-2.5 to 2.5	Pass
				0	3.7	-0.543	-0.0003	-2.5 to 2.5	Pass
				10	3.7	-2.883	-0.0017	-2.5 to 2.5	Pass
				30	3.7	0.511	0.0003	-2.5 to 2.5	Pass
				40	3.7	1.421	0.0008	-2.5 to 2.5	Pass
	50	3.7	1.242	0.0007	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.2	-4.029	-0.0023	-2.5 to 2.5	Pass
					3.7	-4.759	-0.0027	-2.5 to 2.5	Pass
					4.2	-0.193	-0.0001	-2.5 to 2.5	Pass
-30				3.7	-2.317	-0.0013	-2.5 to 2.5	Pass	
-20				3.7	2.349	0.0013	-2.5 to 2.5	Pass	
-10				3.7	4.300	0.0024	-2.5 to 2.5	Pass	
0				3.7	-4.774	-0.0027	-2.5 to 2.5	Pass	
10				3.7	4.595	0.0026	-2.5 to 2.5	Pass	
30				3.7	1.522	0.0009	-2.5 to 2.5	Pass	

				40	3.7	-0.097	-0.0001	-2.5 to 2.5	Pass
				50	3.7	3.700	0.0021	-2.5 to 2.5	Pass

## 4.2 B66\_3MHz

### 4.2.1 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	3.2	-6.360	-0.0037	-2.5 to 2.5	Pass	
					3.7	4.316	0.0025	-2.5 to 2.5	Pass	
					4.2	-5.819	-0.0034	-2.5 to 2.5	Pass	
				-30	3.7	5.236	0.0031	-2.5 to 2.5	Pass	
					-20	3.7	-2.802	-0.0016	-2.5 to 2.5	Pass
						3.7	-4.197	-0.0025	-2.5 to 2.5	Pass
				0	3.7	4.170	0.0024	-2.5 to 2.5	Pass	
					10	3.7	-5.349	-0.0031	-2.5 to 2.5	Pass
				30	3.7	-3.010	-0.0018	-2.5 to 2.5	Pass	
				40	3.7	-8.066	-0.0047	-2.5 to 2.5	Pass	
	50	3.7	4.916	0.0029	-2.5 to 2.5	Pass				
	1745	15	0	20	3.2	-5.246	-0.0030	-2.5 to 2.5	Pass	
					3.7	4.634	0.0027	-2.5 to 2.5	Pass	
					4.2	3.637	0.0021	-2.5 to 2.5	Pass	
				-30	3.7	-3.243	-0.0019	-2.5 to 2.5	Pass	
					-20	3.7	4.960	0.0028	-2.5 to 2.5	Pass
						3.7	-3.26	-0.0019	-2.5 to 2.5	Pass
				0	3.7	6.549	0.0038	-2.5 to 2.5	Pass	
					10	3.7	-4.396	-0.0025	-2.5 to 2.5	Pass
				30	3.7	4.637	0.0027	-2.5 to 2.5	Pass	
				40	3.7	-4.411	-0.0025	-2.5 to 2.5	Pass	
	50	3.7	-5.962	-0.0034	-2.5 to 2.5	Pass				
	1778.5	15	0	20	3.2	-14.089	-0.0079	-2.5 to 2.5	Pass	
					3.7	4.283	0.0024	-2.5 to 2.5	Pass	
					4.2	6.075	0.0034	-2.5 to 2.5	Pass	
				-30	3.7	4.703	0.0026	-2.5 to 2.5	Pass	
					-20	3.7	4.057	0.0023	-2.5 to 2.5	Pass
						3.7	-6.110	-0.0034	-2.5 to 2.5	Pass
				0	3.7	4.961	0.0028	-2.5 to 2.5	Pass	
					10	3.7	-3.186	-0.0018	-2.5 to 2.5	Pass
30				3.7	4.795	0.0027	-2.5 to 2.5	Pass		
40				3.7	-3.804	-0.0021	-2.5 to 2.5	Pass		
50	3.7	4.320	0.0024	-2.5 to 2.5	Pass					
16QAM	1711.5	15	0	20	3.2	4.921	0.0029	-2.5 to 2.5	Pass	
					3.7	-5.589	-0.0033	-2.5 to 2.5	Pass	
					4.2	-4.784	-0.0028	-2.5 to 2.5	Pass	
				-30	3.7	6.385	0.0037	-2.5 to 2.5	Pass	
					-20	3.7	3.678	0.0021	-2.5 to 2.5	Pass
						3.7	4.511	0.0026	-2.5 to 2.5	Pass
				0	3.7	5.586	0.0033	-2.5 to 2.5	Pass	
					10	3.7	-5.304	-0.0031	-2.5 to 2.5	Pass
				30	3.7	-3.638	-0.0021	-2.5 to 2.5	Pass	
				40	3.7	4.211	0.0025	-2.5 to 2.5	Pass	
	50	3.7	-5.598	-0.0033	-2.5 to 2.5	Pass				
	1745	15	0	20	3.2	4.225	0.0024	-2.5 to 2.5	Pass	
					3.7	-5.899	-0.0034	-2.5 to 2.5	Pass	
					4.2	-4.720	-0.0027	-2.5 to 2.5	Pass	

				-30	3.7	-4.009	-0.0023	-2.5 to 2.5	Pass
				-20	3.7	-5.434	-0.0031	-2.5 to 2.5	Pass
				-10	3.7	4.168	0.0024	-2.5 to 2.5	Pass
				0	3.7	5.760	0.0033	-2.5 to 2.5	Pass
				10	3.7	-3.500	-0.0020	-2.5 to 2.5	Pass
				30	3.7	3.547	0.0020	-2.5 to 2.5	Pass
				40	3.7	-7.908	-0.0045	-2.5 to 2.5	Pass
				50	3.7	5.479	0.0031	-2.5 to 2.5	Pass
				1778.5	15	0	20	3.2	-5.011
	3.7	-5.817	-0.0033					-2.5 to 2.5	Pass
	4.2	-5.619	-0.0032					-2.5 to 2.5	Pass
	-30	3.7	-5.945				-0.0033	-2.5 to 2.5	Pass
	-20	3.7	0.871				0.0005	-2.5 to 2.5	Pass
	-10	3.7	-0.216				-0.0001	-2.5 to 2.5	Pass
	0	3.7	-5.497				-0.0031	-2.5 to 2.5	Pass
	10	3.7	0.731				0.0004	-2.5 to 2.5	Pass
	30	3.7	-5.717				-0.0032	-2.5 to 2.5	Pass
	40	3.7	-7.040	-0.0040	-2.5 to 2.5	Pass			
50	3.7	-2.008	-0.0011	-2.5 to 2.5	Pass				

### 4.3 B66\_5MHz

#### 4.3.1 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				
QPSK	1712.5	25	0	20	3.2	-11.015	-0.0064	-2.5 to 2.5	Pass			
					3.7	-0.183	-0.0001	-2.5 to 2.5	Pass			
					4.2	4.881	0.0029	-2.5 to 2.5	Pass			
				-30	3.7	1.767	0.0010	-2.5 to 2.5	Pass			
				-20	3.7	2.383	0.0014	-2.5 to 2.5	Pass			
				-10	3.7	0.122	0.0001	-2.5 to 2.5	Pass			
				0	3.7	0.395	0.0002	-2.5 to 2.5	Pass			
				10	3.7	1.114	0.0007	-2.5 to 2.5	Pass			
				30	3.7	-5.849	-0.0034	-2.5 to 2.5	Pass			
				40	3.7	-4.818	-0.0028	-2.5 to 2.5	Pass			
				50	3.7	-7.035	-0.0041	-2.5 to 2.5	Pass			
				1745	25	0	20	3.2	-4.621	-0.0026	-2.5 to 2.5	Pass
								3.7	-2.899	-0.0017	-2.5 to 2.5	Pass
								4.2	-4.680	-0.0027	-2.5 to 2.5	Pass
							-30	3.7	-3.861	-0.0022	-2.5 to 2.5	Pass
	-20	3.7	-0.566				-0.0003	-2.5 to 2.5	Pass			
	-10	3.7	-3.467				-0.0020	-2.5 to 2.5	Pass			
	0	3.7	-5.908				-0.0034	-2.5 to 2.5	Pass			
	10	3.7	-3.041				-0.0017	-2.5 to 2.5	Pass			
	30	3.7	-3.217				-0.0018	-2.5 to 2.5	Pass			
	40	3.7	-3.143				-0.0018	-2.5 to 2.5	Pass			
	50	3.7	-4.802				-0.0028	-2.5 to 2.5	Pass			
	1777.5	25	0				20	3.2	-4.816	-0.0027	-2.5 to 2.5	Pass
								3.7	4.181	0.0024	-2.5 to 2.5	Pass
								4.2	2.547	0.0014	-2.5 to 2.5	Pass
							-30	3.7	4.596	0.0026	-2.5 to 2.5	Pass
				-20	3.7	3.118	0.0018	-2.5 to 2.5	Pass			
				-10	3.7	0.315	0.0002	-2.5 to 2.5	Pass			
				0	3.7	1.746	0.0010	-2.5 to 2.5	Pass			
				10	3.7	3.612	0.0020	-2.5 to 2.5	Pass			



				30	3.7	2.513	0.0014	-2.5 to 2.5	Pass
				40	3.7	4.855	0.0027	-2.5 to 2.5	Pass
				50	3.7	-0.370	-0.0002	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.2	-5.842	-0.0034	-2.5 to 2.5	Pass
					3.7	-2.382	-0.0014	-2.5 to 2.5	Pass
					4.2	-3.976	-0.0023	-2.5 to 2.5	Pass
				-30	3.7	-5.134	-0.0030	-2.5 to 2.5	Pass
				-20	3.7	-6.889	-0.0040	-2.5 to 2.5	Pass
				-10	3.7	0.120	0.0001	-2.5 to 2.5	Pass
				0	3.7	1.100	0.0006	-2.5 to 2.5	Pass
				10	3.7	1.676	0.0010	-2.5 to 2.5	Pass
				30	3.7	2.819	0.0016	-2.5 to 2.5	Pass
				40	3.7	3.239	0.0019	-2.5 to 2.5	Pass
	50	3.7	-1.767	-0.0010	-2.5 to 2.5	Pass			
	1745	25	0	20	3.2	-4.923	-0.0028	-2.5 to 2.5	Pass
					3.7	-2.432	-0.0014	-2.5 to 2.5	Pass
					4.2	-3.185	-0.0018	-2.5 to 2.5	Pass
				-30	3.7	-4.778	-0.0027	-2.5 to 2.5	Pass
				-20	3.7	-3.483	-0.0020	-2.5 to 2.5	Pass
				-10	3.7	-2.729	-0.0016	-2.5 to 2.5	Pass
				0	3.7	-4.266	-0.0024	-2.5 to 2.5	Pass
				10	3.7	-4.680	-0.0027	-2.5 to 2.5	Pass
				30	3.7	-4.338	-0.0025	-2.5 to 2.5	Pass
				40	3.7	-2.099	-0.0012	-2.5 to 2.5	Pass
	50	3.7	-2.811	-0.0016	-2.5 to 2.5	Pass			
	1777.5	25	0	20	3.2	0.422	0.0002	-2.5 to 2.5	Pass
					3.7	-3.291	-0.0019	-2.5 to 2.5	Pass
					4.2	-5.289	-0.0030	-2.5 to 2.5	Pass
				-30	3.7	-6.070	-0.0034	-2.5 to 2.5	Pass
				-20	3.7	-4.515	-0.0025	-2.5 to 2.5	Pass
				-10	3.7	-2.649	-0.0015	-2.5 to 2.5	Pass
				0	3.7	-1.619	-0.0009	-2.5 to 2.5	Pass
				10	3.7	-4.917	-0.0028	-2.5 to 2.5	Pass
30				3.7	-0.898	-0.0005	-2.5 to 2.5	Pass	
40				3.7	-3.070	-0.0017	-2.5 to 2.5	Pass	
50	3.7	-4.166	-0.0023	-2.5 to 2.5	Pass				

## 4.4 B66\_10MHz

### 4.4.1 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	3.2	-6.928	-0.0040	-2.5 to 2.5	Pass
					3.7	2.438	0.0014	-2.5 to 2.5	Pass
					4.2	4.523	0.0026	-2.5 to 2.5	Pass
				-30	3.7	1.925	0.0011	-2.5 to 2.5	Pass
				-20	3.7	3.719	0.0022	-2.5 to 2.5	Pass
				-10	3.7	3.782	0.0022	-2.5 to 2.5	Pass
				0	3.7	3.281	0.0019	-2.5 to 2.5	Pass
				10	3.7	3.423	0.0020	-2.5 to 2.5	Pass
				30	3.7	0.050	0.0000	-2.5 to 2.5	Pass
				40	3.7	2.396	0.0014	-2.5 to 2.5	Pass
	50	3.7	1.113	0.0006	-2.5 to 2.5	Pass			
	1745	50	0	20	3.2	-6.500	-0.0037	-2.5 to 2.5	Pass
					3.7	-6.049	-0.0035	-2.5 to 2.5	Pass

					4.2	-3.428	-0.0020	-2.5 to 2.5	Pass
				-30	3.7	-5.180	-0.0030	-2.5 to 2.5	Pass
				-20	3.7	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.7	-4.959	-0.0028	-2.5 to 2.5	Pass
				0	3.7	-1.044	-0.0006	-2.5 to 2.5	Pass
				10	3.7	-3.517	-0.0020	-2.5 to 2.5	Pass
				30	3.7	-1.766	-0.0010	-2.5 to 2.5	Pass
				40	3.7	-1.888	-0.0011	-2.5 to 2.5	Pass
	50	3.7	-0.256	-0.0001	-2.5 to 2.5	Pass			
	1775	50	0	20	3.2	-3.932	-0.0022	-2.5 to 2.5	Pass
					3.7	5.013	0.0028	-2.5 to 2.5	Pass
					4.2	4.125	0.0023	-2.5 to 2.5	Pass
				-30	3.7	4.413	0.0025	-2.5 to 2.5	Pass
				-20	3.7	2.920	0.0016	-2.5 to 2.5	Pass
				-10	3.7	5.356	0.0030	-2.5 to 2.5	Pass
				0	3.7	3.608	0.0020	-2.5 to 2.5	Pass
				10	3.7	6.776	0.0038	-2.5 to 2.5	Pass
				30	3.7	3.866	0.0022	-2.5 to 2.5	Pass
				40	3.7	4.633	0.0026	-2.5 to 2.5	Pass
50				3.7	4.270	0.0024	-2.5 to 2.5	Pass	
16QAM	1715	27	0	20	3.2	-2.179	-0.0013	-2.5 to 2.5	Pass
					3.7	2.196	0.0013	-2.5 to 2.5	Pass
					4.2	4.673	0.0027	-2.5 to 2.5	Pass
				-30	3.7	1.018	0.0006	-2.5 to 2.5	Pass
				-20	3.7	3.937	0.0023	-2.5 to 2.5	Pass
				-10	3.7	0.709	0.0004	-2.5 to 2.5	Pass
				0	3.7	4.684	0.0027	-2.5 to 2.5	Pass
				10	3.7	0.945	0.0006	-2.5 to 2.5	Pass
				30	3.7	4.695	0.0027	-2.5 to 2.5	Pass
				40	3.7	2.635	0.0015	-2.5 to 2.5	Pass
				50	3.7	-1.269	-0.0007	-2.5 to 2.5	Pass
	1745	27	0	20	3.2	1.153	0.0007	-2.5 to 2.5	Pass
					3.7	2.573	0.0015	-2.5 to 2.5	Pass
					4.2	2.373	0.0014	-2.5 to 2.5	Pass
				-30	3.7	3.654	0.0021	-2.5 to 2.5	Pass
				-20	3.7	4.785	0.0027	-2.5 to 2.5	Pass
				-10	3.7	3.390	0.0019	-2.5 to 2.5	Pass
				0	3.7	3.738	0.0021	-2.5 to 2.5	Pass
				10	3.7	3.531	0.0020	-2.5 to 2.5	Pass
				30	3.7	5.324	0.0031	-2.5 to 2.5	Pass
				40	3.7	5.090	0.0029	-2.5 to 2.5	Pass
				50	3.7	2.823	0.0016	-2.5 to 2.5	Pass
	1775	27	23	20	3.2	4.364	0.0025	-2.5 to 2.5	Pass
					3.7	4.806	0.0027	-2.5 to 2.5	Pass
					4.2	2.090	0.0012	-2.5 to 2.5	Pass
				-30	3.7	3.530	0.0020	-2.5 to 2.5	Pass
				-20	3.7	1.299	0.0007	-2.5 to 2.5	Pass
				-10	3.7	2.976	0.0017	-2.5 to 2.5	Pass
0				3.7	4.174	0.0024	-2.5 to 2.5	Pass	
10				3.7	4.578	0.0026	-2.5 to 2.5	Pass	
30				3.7	5.307	0.0030	-2.5 to 2.5	Pass	
40				3.7	5.861	0.0033	-2.5 to 2.5	Pass	
50	3.7	5.036	0.0028	-2.5 to 2.5	Pass				

## 4.5 B66\_15MHz

### 4.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.2	-9.287	-0.0054	-2.5 to 2.5	Pass
					3.7	3.847	0.0022	-2.5 to 2.5	Pass
					4.2	2.971	0.0017	-2.5 to 2.5	Pass
				-30	3.7	4.625	0.0027	-2.5 to 2.5	Pass
				-20	3.7	2.950	0.0017	-2.5 to 2.5	Pass
				-10	3.7	4.517	0.0026	-2.5 to 2.5	Pass
				0	3.7	3.069	0.0018	-2.5 to 2.5	Pass
				10	3.7	4.445	0.0026	-2.5 to 2.5	Pass
				30	3.7	0.155	0.0001	-2.5 to 2.5	Pass
				40	3.7	5.508	0.0032	-2.5 to 2.5	Pass
	50	3.7	2.774	0.0016	-2.5 to 2.5	Pass			
	1745	75	0	20	3.2	-5.800	-0.0033	-2.5 to 2.5	Pass
					3.7	-2.504	-0.0014	-2.5 to 2.5	Pass
					4.2	-1.596	-0.0009	-2.5 to 2.5	Pass
				-30	3.7	-1.284	-0.0007	-2.5 to 2.5	Pass
				-20	3.7	-2.514	-0.0014	-2.5 to 2.5	Pass
				-10	3.7	-2.148	-0.0012	-2.5 to 2.5	Pass
				0	3.7	-1.417	-0.0008	-2.5 to 2.5	Pass
				10	3.7	-2.311	-0.0013	-2.5 to 2.5	Pass
				30	3.7	-4.441	-0.0025	-2.5 to 2.5	Pass
				40	3.7	1.491	0.0009	-2.5 to 2.5	Pass
	50	3.7	-2.003	-0.0011	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.2	-5.104	-0.0029	-2.5 to 2.5	Pass
					3.7	4.594	0.0026	-2.5 to 2.5	Pass
					4.2	5.311	0.0030	-2.5 to 2.5	Pass
				-30	3.7	4.770	0.0027	-2.5 to 2.5	Pass
				-20	3.7	1.921	0.0011	-2.5 to 2.5	Pass
				-10	3.7	3.433	0.0019	-2.5 to 2.5	Pass
				0	3.7	4.051	0.0023	-2.5 to 2.5	Pass
				10	3.7	1.088	0.0006	-2.5 to 2.5	Pass
30				3.7	1.435	0.0008	-2.5 to 2.5	Pass	
40				3.7	4.161	0.0023	-2.5 to 2.5	Pass	
50	3.7	0.044	0.0000	-2.5 to 2.5	Pass				
16QAM	1717.5	27	0	20	3.2	3.896	0.0023	-2.5 to 2.5	Pass
					3.7	6.074	0.0035	-2.5 to 2.5	Pass
					4.2	4.405	0.0026	-2.5 to 2.5	Pass
				-30	3.7	3.970	0.0023	-2.5 to 2.5	Pass
				-20	3.7	4.041	0.0024	-2.5 to 2.5	Pass
				-10	3.7	3.233	0.0019	-2.5 to 2.5	Pass
				0	3.7	3.807	0.0022	-2.5 to 2.5	Pass
				10	3.7	2.273	0.0013	-2.5 to 2.5	Pass
				30	3.7	4.540	0.0026	-2.5 to 2.5	Pass
				40	3.7	3.202	0.0019	-2.5 to 2.5	Pass
	50	3.7	5.123	0.0030	-2.5 to 2.5	Pass			
	1745	27	0	20	3.2	-3.458	-0.0020	-2.5 to 2.5	Pass
					3.7	-2.959	-0.0017	-2.5 to 2.5	Pass
					4.2	-0.080	0.0000	-2.5 to 2.5	Pass
				-30	3.7	-5.261	-0.0030	-2.5 to 2.5	Pass
				-20	3.7	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.7	-2.788	-0.0016	-2.5 to 2.5	Pass
				0	3.7	-4.541	-0.0026	-2.5 to 2.5	Pass
				10	3.7	-5.511	-0.0032	-2.5 to 2.5	Pass
				30	3.7	-4.641	-0.0027	-2.5 to 2.5	Pass
				40	3.7	-2.880	-0.0017	-2.5 to 2.5	Pass
	50	3.7	-2.131	-0.0012	-2.5 to 2.5	Pass			
1772.5	27	48	20	3.2	0.747	0.0004	-2.5 to 2.5	Pass	

					3.7	1.523	0.0009	-2.5 to 2.5	Pass
					4.2	4.680	0.0026	-2.5 to 2.5	Pass
				-30	3.7	-1.684	-0.0010	-2.5 to 2.5	Pass
				-20	3.7	3.176	0.0018	-2.5 to 2.5	Pass
				-10	3.7	0.689	0.0004	-2.5 to 2.5	Pass
				0	3.7	5.174	0.0029	-2.5 to 2.5	Pass
				10	3.7	-0.327	-0.0002	-2.5 to 2.5	Pass
				30	3.7	2.100	0.0012	-2.5 to 2.5	Pass
				40	3.7	4.654	0.0026	-2.5 to 2.5	Pass
				50	3.7	0.105	0.0001	-2.5 to 2.5	Pass

## 4.6 B66\_20MHz

### 4.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.2	-11.604	-0.0067	-2.5 to 2.5	Pass
					3.7	4.001	0.0023	-2.5 to 2.5	Pass
					4.2	4.369	0.0025	-2.5 to 2.5	Pass
				-30	3.7	2.849	0.0017	-2.5 to 2.5	Pass
				-20	3.7	1.985	0.0012	-2.5 to 2.5	Pass
				-10	3.7	4.386	0.0026	-2.5 to 2.5	Pass
				0	3.7	5.956	0.0035	-2.5 to 2.5	Pass
				10	3.7	4.589	0.0027	-2.5 to 2.5	Pass
				30	3.7	1.332	0.0008	-2.5 to 2.5	Pass
	40	3.7	0.617	0.0004	-2.5 to 2.5	Pass			
	50	3.7	1.775	0.0010	-2.5 to 2.5	Pass			
	1745	100	0	20	3.2	-6.845	-0.0039	-2.5 to 2.5	Pass
					3.7	-3.457	-0.0020	-2.5 to 2.5	Pass
					4.2	-3.493	-0.0020	-2.5 to 2.5	Pass
				-30	3.7	-6.942	-0.0040	-2.5 to 2.5	Pass
				-20	3.7	-3.415	-0.0020	-2.5 to 2.5	Pass
				-10	3.7	-3.150	-0.0018	-2.5 to 2.5	Pass
				0	3.7	-3.071	-0.0018	-2.5 to 2.5	Pass
				10	3.7	-2.838	-0.0016	-2.5 to 2.5	Pass
				30	3.7	-3.590	-0.0021	-2.5 to 2.5	Pass
	40	3.7	-3.21	-0.0019	-2.5 to 2.5	Pass			
	50	3.7	-3.681	-0.0021	-2.5 to 2.5	Pass			
	1770	100	0	20	3.2	-5.638	-0.0032	-2.5 to 2.5	Pass
					3.7	2.902	0.0016	-2.5 to 2.5	Pass
					4.2	2.987	0.0017	-2.5 to 2.5	Pass
				-30	3.7	0.261	0.0001	-2.5 to 2.5	Pass
				-20	3.7	4.400	0.0025	-2.5 to 2.5	Pass
-10				3.7	5.659	0.0032	-2.5 to 2.5	Pass	
0				3.7	3.824	0.0022	-2.5 to 2.5	Pass	
10				3.7	1.687	0.0010	-2.5 to 2.5	Pass	
30				3.7	0.281	0.0002	-2.5 to 2.5	Pass	
40	3.7	3.067	0.0017	-2.5 to 2.5	Pass				
50	3.7	3.349	0.0019	-2.5 to 2.5	Pass				
16QAM	1720	27	0	20	3.2	2.027	0.0012	-2.5 to 2.5	Pass
					3.7	-2.801	-0.0016	-2.5 to 2.5	Pass
					4.2	-5.415	-0.0031	-2.5 to 2.5	Pass
				-30	3.7	6.074	0.0035	-2.5 to 2.5	Pass
				-20	3.7	4.963	0.0029	-2.5 to 2.5	Pass
-10	3.7	6.675	0.0039	-2.5 to 2.5	Pass				

				0	3.7	4.344	0.0025	-2.5 to 2.5	Pass
				10	3.7	2.507	0.0015	-2.5 to 2.5	Pass
				30	3.7	2.088	0.0012	-2.5 to 2.5	Pass
				40	3.7	3.034	0.0018	-2.5 to 2.5	Pass
				50	3.7	1.556	0.0009	-2.5 to 2.5	Pass
	1745	27	0	20	3.2	-5.300	-0.0030	-2.5 to 2.5	Pass
					3.7	-4.26	-0.0025	-2.5 to 2.5	Pass
					4.2	-4.297	-0.0025	-2.5 to 2.5	Pass
				-30	3.7	-0.950	-0.0005	-2.5 to 2.5	Pass
				-20	3.7	-3.072	-0.0018	-2.5 to 2.5	Pass
				-10	3.7	-3.474	-0.0020	-2.5 to 2.5	Pass
				0	3.7	-2.425	-0.0014	-2.5 to 2.5	Pass
				10	3.7	-5.274	-0.0030	-2.5 to 2.5	Pass
				30	3.7	-3.542	-0.0020	-2.5 to 2.5	Pass
				40	3.7	-5.353	-0.0031	-2.5 to 2.5	Pass
				50	3.7	-6.110	-0.0035	-2.5 to 2.5	Pass
				1770	27	73	20	3.2	1.154
	3.7	-3.453	-0.0020					-2.5 to 2.5	Pass
	4.2	-3.126	-0.0018					-2.5 to 2.5	Pass
	-30	3.7	-5.519				-0.0031	-2.5 to 2.5	Pass
	-20	3.7	0.947				0.0005	-2.5 to 2.5	Pass
	-10	3.7	4.499				0.0025	-2.5 to 2.5	Pass
	0	3.7	2.329				0.0013	-2.5 to 2.5	Pass
	10	3.7	4.20				0.0025	-2.5 to 2.5	Pass
	30	3.7	-1.452				-0.0008	-2.5 to 2.5	Pass
	40	3.7	1.601				0.0009	-2.5 to 2.5	Pass
	50	3.7	2.551	0.0014	-2.5 to 2.5	Pass			

## 5. Frequency Stability

### 5.1 B7\_5MHz

#### 5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.2	-7.008	-0.0028	-2.5 to 2.5	Pass
					3.7	4.330	0.0017	-2.5 to 2.5	Pass
					4.2	4.577	0.0018	-2.5 to 2.5	Pass
				-30	3.7	-1.219	-0.0005	-2.5 to 2.5	Pass
				-20	3.7	1.162	0.0005	-2.5 to 2.5	Pass
				-10	3.7	-2.872	-0.0011	-2.5 to 2.5	Pass
				0	3.7	4.484	0.0018	-2.5 to 2.5	Pass
				10	3.7	0.940	0.0004	-2.5 to 2.5	Pass
				30	3.7	-1.662	-0.0007	-2.5 to 2.5	Pass
				40	3.7	-4.425	-0.0018	-2.5 to 2.5	Pass
	50	3.7	-2.858	-0.0011	-2.5 to 2.5	Pass			
	2535	25	0	20	3.2	-4.655	-0.0018	-2.5 to 2.5	Pass
					3.7	3.495	0.0014	-2.5 to 2.5	Pass
					4.2	2.617	0.0010	-2.5 to 2.5	Pass
				-30	3.7	-4.659	-0.0018	-2.5 to 2.5	Pass
				-20	3.7	-3.800	-0.0015	-2.5 to 2.5	Pass
				-10	3.7	-4.794	-0.0019	-2.5 to 2.5	Pass
				0	3.7	2.154	0.0008	-2.5 to 2.5	Pass
10				3.7	4.656	0.0018	-2.5 to 2.5	Pass	

16QAM	2567.5	25	0	30	3.7	-3.965	-0.0016	-2.5 to 2.5	Pass
				40	3.7	3.210	0.0013	-2.5 to 2.5	Pass
				50	3.7	-7.985	-0.0031	-2.5 to 2.5	Pass
				20	3.2	-22.958	-0.0089	-2.5 to 2.5	Pass
					3.7	-6.335	-0.0025	-2.5 to 2.5	Pass
					4.2	4.392	0.0017	-2.5 to 2.5	Pass
				-30	3.7	-9.374	-0.0037	-2.5 to 2.5	Pass
				-20	3.7	4.675	0.0018	-2.5 to 2.5	Pass
				-10	3.7	1.885	0.0007	-2.5 to 2.5	Pass
				0	3.7	-9.445	-0.0037	-2.5 to 2.5	Pass
				10	3.7	-8.844	-0.0034	-2.5 to 2.5	Pass
				30	3.7	3.503	0.0014	-2.5 to 2.5	Pass
	40	3.7	1.776	0.0007	-2.5 to 2.5	Pass			
	50	3.7	-9.099	-0.0035	-2.5 to 2.5	Pass			
	2502.5	25	0	20	3.2	-2.257	-0.0009	-2.5 to 2.5	Pass
					3.7	-6.737	-0.0027	-2.5 to 2.5	Pass
					4.2	-5.503	-0.0022	-2.5 to 2.5	Pass
				-30	3.7	-6.647	-0.0027	-2.5 to 2.5	Pass
				-20	3.7	-2.796	-0.0011	-2.5 to 2.5	Pass
				-10	3.7	-4.427	-0.0018	-2.5 to 2.5	Pass
				0	3.7	-6.520	-0.0026	-2.5 to 2.5	Pass
				10	3.7	-4.098	-0.0016	-2.5 to 2.5	Pass
				30	3.7	-8.949	-0.0036	-2.5 to 2.5	Pass
				40	3.7	-6.439	-0.0026	-2.5 to 2.5	Pass
				50	3.7	-3.195	-0.0013	-2.5 to 2.5	Pass
				2535	25	0	20	3.2	1.899
	3.7	5.736	0.0023					-2.5 to 2.5	Pass
4.2	-4.895	-0.0019	-2.5 to 2.5					Pass	
-30	3.7	4.270	0.0017				-2.5 to 2.5	Pass	
-20	3.7	4.936	0.0019				-2.5 to 2.5	Pass	
-10	3.7	4.951	0.0020				-2.5 to 2.5	Pass	
0	3.7	5.269	0.0021				-2.5 to 2.5	Pass	
10	3.7	-8.224	-0.0032				-2.5 to 2.5	Pass	
30	3.7	-4.896	-0.0019				-2.5 to 2.5	Pass	
40	3.7	-10.067	-0.0040				-2.5 to 2.5	Pass	
50	3.7	1.804	0.0007				-2.5 to 2.5	Pass	
2567.5	25	0	20				3.2	-9.430	-0.0037
				3.7	-10.974	-0.0043	-2.5 to 2.5	Pass	
				4.2	3.937	0.0015	-2.5 to 2.5	Pass	
			-30	3.7	3.818	0.0015	-2.5 to 2.5	Pass	
			-20	3.7	-8.843	-0.0034	-2.5 to 2.5	Pass	
			-10	3.7	5.315	0.0021	-2.5 to 2.5	Pass	
			0	3.7	2.616	0.0010	-2.5 to 2.5	Pass	
			10	3.7	-9.766	-0.0038	-2.5 to 2.5	Pass	
			30	3.7	-12.054	-0.0047	-2.5 to 2.5	Pass	
			40	3.7	-8.698	-0.0034	-2.5 to 2.5	Pass	
			50	3.7	-9.389	-0.0037	-2.5 to 2.5	Pass	

## 5.2 B7\_10MHz

### 5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.2	-10.107	-0.0040	-2.5 to 2.5	Pass
					3.7	-8.529	-0.0034	-2.5 to 2.5	Pass

					4.2	-7.419	-0.0030	-2.5 to 2.5	Pass
				-30	3.7	5.222	0.0021	-2.5 to 2.5	Pass
				-20	3.7	-1.706	-0.0007	-2.5 to 2.5	Pass
				-10	3.7	-8.304	-0.0033	-2.5 to 2.5	Pass
				0	3.7	7.459	0.0030	-2.5 to 2.5	Pass
				10	3.7	-9.287	-0.0037	-2.5 to 2.5	Pass
				30	3.7	3.065	0.0012	-2.5 to 2.5	Pass
				40	3.7	-9.002	-0.0036	-2.5 to 2.5	Pass
	50	3.7	5.576	0.0022	-2.5 to 2.5	Pass			
	2535	50	0	20	3.2	-8.001	-0.0032	-2.5 to 2.5	Pass
					3.7	-5.207	-0.0021	-2.5 to 2.5	Pass
					4.2	-1.817	-0.0007	-2.5 to 2.5	Pass
				-30	3.7	-5.969	-0.0024	-2.5 to 2.5	Pass
				-20	3.7	-3.112	-0.0012	-2.5 to 2.5	Pass
				-10	3.7	0.821	0.0003	-2.5 to 2.5	Pass
				0	3.7	0.819	0.0003	-2.5 to 2.5	Pass
				10	3.7	-3.412	-0.0013	-2.5 to 2.5	Pass
				30	3.7	2.981	0.0012	-2.5 to 2.5	Pass
				40	3.7	3.157	0.0012	-2.5 to 2.5	Pass
	50	3.7	-4.630	-0.0018	-2.5 to 2.5	Pass			
	2565	50	0	20	3.2	-8.814	-0.0034	-2.5 to 2.5	Pass
					3.7	-6.392	-0.0025	-2.5 to 2.5	Pass
					4.2	1.258	0.0005	-2.5 to 2.5	Pass
				-30	3.7	2.133	0.0008	-2.5 to 2.5	Pass
				-20	3.7	5.523	0.0022	-2.5 to 2.5	Pass
				-10	3.7	0.209	0.0001	-2.5 to 2.5	Pass
				0	3.7	3.336	0.0013	-2.5 to 2.5	Pass
				10	3.7	4.155	0.0016	-2.5 to 2.5	Pass
				30	3.7	2.170	0.0008	-2.5 to 2.5	Pass
				40	3.7	-0.081	0.0000	-2.5 to 2.5	Pass
50	3.7	2.373	0.0009	-2.5 to 2.5	Pass				
16QAM	2505	27	0	20	3.2	-7.916	-0.0032	-2.5 to 2.5	Pass
					3.7	5.839	0.0023	-2.5 to 2.5	Pass
					4.2	-8.659	-0.0035	-2.5 to 2.5	Pass
				-30	3.7	5.268	0.0021	-2.5 to 2.5	Pass
				-20	3.7	6.514	0.0026	-2.5 to 2.5	Pass
				-10	3.7	-1.335	-0.0005	-2.5 to 2.5	Pass
				0	3.7	-6.074	-0.0024	-2.5 to 2.5	Pass
				10	3.7	5.894	0.0024	-2.5 to 2.5	Pass
				30	3.7	-4.076	-0.0016	-2.5 to 2.5	Pass
				40	3.7	-6.669	-0.0027	-2.5 to 2.5	Pass
	50	3.7	5.023	0.0020	-2.5 to 2.5	Pass			
	2535	27	0	20	3.2	5.581	0.0022	-2.5 to 2.5	Pass
					3.7	-0.929	-0.0004	-2.5 to 2.5	Pass
					4.2	1.664	0.0007	-2.5 to 2.5	Pass
				-30	3.7	2.584	0.0010	-2.5 to 2.5	Pass
				-20	3.7	0.385	0.0002	-2.5 to 2.5	Pass
				-10	3.7	2.267	0.0009	-2.5 to 2.5	Pass
				0	3.7	-3.429	-0.0014	-2.5 to 2.5	Pass
				10	3.7	3.828	0.0015	-2.5 to 2.5	Pass
				30	3.7	2.708	0.0011	-2.5 to 2.5	Pass
				40	3.7	1.208	0.0005	-2.5 to 2.5	Pass
	50	3.7	2.250	0.0009	-2.5 to 2.5	Pass			
	2565	27	23	20	3.2	-1.213	-0.0005	-2.5 to 2.5	Pass
					3.7	-3.563	-0.0014	-2.5 to 2.5	Pass
					4.2	-3.330	-0.0013	-2.5 to 2.5	Pass
				-30	3.7	-6.654	-0.0026	-2.5 to 2.5	Pass
				-20	3.7	-6.311	-0.0025	-2.5 to 2.5	Pass
				-10	3.7	-7.350	-0.0029	-2.5 to 2.5	Pass

				0	3.7	-2.221	-0.0009	-2.5 to 2.5	Pass
				10	3.7	-4.461	-0.0017	-2.5 to 2.5	Pass
				30	3.7	-1.605	-0.0006	-2.5 to 2.5	Pass
				40	3.7	-4.048	-0.0016	-2.5 to 2.5	Pass
				50	3.7	0.749	0.0003	-2.5 to 2.5	Pass

### 5.3 B7\_15MHz

#### 5.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.2	-12.016	-0.0048	-2.5 to 2.5	Pass
					3.7	-15.210	-0.0061	-2.5 to 2.5	Pass
					4.2	-14.694	-0.0059	-2.5 to 2.5	Pass
				-30	3.7	-14.148	-0.0056	-2.5 to 2.5	Pass
				-20	3.7	-6.846	-0.0027	-2.5 to 2.5	Pass
				-10	3.7	-7.846	-0.0031	-2.5 to 2.5	Pass
				0	3.7	-8.295	-0.0033	-2.5 to 2.5	Pass
				10	3.7	-8.328	-0.0033	-2.5 to 2.5	Pass
				30	3.7	-7.075	-0.0028	-2.5 to 2.5	Pass
				40	3.7	-7.422	-0.0030	-2.5 to 2.5	Pass
	50	3.7	-7.412	-0.0030	-2.5 to 2.5	Pass			
	2535	75	0	20	3.2	-3.696	-0.0015	-2.5 to 2.5	Pass
					3.7	-4.682	-0.0018	-2.5 to 2.5	Pass
					4.2	-3.149	-0.0012	-2.5 to 2.5	Pass
				-30	3.7	-7.562	-0.0030	-2.5 to 2.5	Pass
				-20	3.7	-3.385	-0.0013	-2.5 to 2.5	Pass
				-10	3.7	-5.712	-0.0023	-2.5 to 2.5	Pass
				0	3.7	-4.795	-0.0019	-2.5 to 2.5	Pass
				10	3.7	-8.535	-0.0034	-2.5 to 2.5	Pass
				30	3.7	-4.666	-0.0018	-2.5 to 2.5	Pass
				40	3.7	-6.403	-0.0025	-2.5 to 2.5	Pass
	50	3.7	0.547	0.0002	-2.5 to 2.5	Pass			
	2562.5	75	0	20	3.2	-8.340	-0.0033	-2.5 to 2.5	Pass
					3.7	2.542	0.0010	-2.5 to 2.5	Pass
					4.2	5.082	0.0020	-2.5 to 2.5	Pass
				-30	3.7	1.419	0.0006	-2.5 to 2.5	Pass
				-20	3.7	5.346	0.0021	-2.5 to 2.5	Pass
				-10	3.7	4.047	0.0016	-2.5 to 2.5	Pass
				0	3.7	0.686	0.0003	-2.5 to 2.5	Pass
				10	3.7	6.752	0.0026	-2.5 to 2.5	Pass
30				3.7	2.661	0.0010	-2.5 to 2.5	Pass	
40				3.7	-0.455	-0.0002	-2.5 to 2.5	Pass	
50	3.7	4.054	0.0016	-2.5 to 2.5	Pass				
16QAM	2507.5	27	0	20	3.2	-6.532	-0.0026	-2.5 to 2.5	Pass
					3.7	-4.166	-0.0017	-2.5 to 2.5	Pass
					4.2	-6.014	-0.0024	-2.5 to 2.5	Pass
				-30	3.7	-4.262	-0.0017	-2.5 to 2.5	Pass
				-20	3.7	-4.167	-0.0017	-2.5 to 2.5	Pass
				-10	3.7	-4.609	-0.0018	-2.5 to 2.5	Pass
				0	3.7	-4.239	-0.0017	-2.5 to 2.5	Pass
				10	3.7	-2.322	-0.0009	-2.5 to 2.5	Pass
				30	3.7	-6.570	-0.0026	-2.5 to 2.5	Pass
				40	3.7	-3.652	-0.0015	-2.5 to 2.5	Pass
50	3.7	-3.707	-0.0015	-2.5 to 2.5	Pass				



	2535	27	0	20	3.2	-4.321	-0.0017	-2.5 to 2.5	Pass	
					3.7	-0.793	-0.0003	-2.5 to 2.5	Pass	
					4.2	-2.482	-0.0010	-2.5 to 2.5	Pass	
				-30	3.7	-0.747	-0.0003	-2.5 to 2.5	Pass	
					-20	3.7	-0.841	-0.0003	-2.5 to 2.5	Pass
					-10	3.7	2.567	0.0010	-2.5 to 2.5	Pass
				0	3.7	5.327	0.0021	-2.5 to 2.5	Pass	
					10	3.7	2.076	0.0008	-2.5 to 2.5	Pass
					30	3.7	3.676	0.0015	-2.5 to 2.5	Pass
	40	3.7	0.882		0.0003	-2.5 to 2.5	Pass			
	50	3.7	3.792		0.0015	-2.5 to 2.5	Pass			
	2562.5	27	48		20	3.2	-0.950	-0.0004	-2.5 to 2.5	Pass
				3.7		-6.497	-0.0025	-2.5 to 2.5	Pass	
				4.2		-6.596	-0.0026	-2.5 to 2.5	Pass	
				-30	3.7	-0.692	-0.0003	-2.5 to 2.5	Pass	
					-20	3.7	-6.063	-0.0024	-2.5 to 2.5	Pass
					-10	3.7	-1.117	-0.0004	-2.5 to 2.5	Pass
				0	3.7	-6.452	-0.0025	-2.5 to 2.5	Pass	
10					3.7	-3.564	-0.0014	-2.5 to 2.5	Pass	
30					3.7	-8.507	-0.0033	-2.5 to 2.5	Pass	
40	3.7	-2.265	-0.0009		-2.5 to 2.5	Pass				
50	3.7	-2.127	-0.0008		-2.5 to 2.5	Pass				

## 5.4 B7\_20MHz

### 5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2510	100	0	20	3.2	-12.593	-0.0050	-2.5 to 2.5	Pass	
					3.7	4.826	0.0019	-2.5 to 2.5	Pass	
					4.2	5.394	0.0021	-2.5 to 2.5	Pass	
				-30	3.7	5.638	0.0022	-2.5 to 2.5	Pass	
					-20	3.7	0.580	0.0002	-2.5 to 2.5	Pass
					-10	3.7	0.838	0.0003	-2.5 to 2.5	Pass
				0	3.7	2.531	0.0010	-2.5 to 2.5	Pass	
					10	3.7	4.185	0.0017	-2.5 to 2.5	Pass
					30	3.7	0.068	0.0000	-2.5 to 2.5	Pass
	40	3.7	5.391		0.0021	-2.5 to 2.5	Pass			
	50	3.7	5.366		0.0021	-2.5 to 2.5	Pass			
	2535	100	0		20	3.2	-6.566	-0.0026	-2.5 to 2.5	Pass
				3.7		4.754	0.0019	-2.5 to 2.5	Pass	
				4.2		4.835	0.0019	-2.5 to 2.5	Pass	
				-30	3.7	4.281	0.0017	-2.5 to 2.5	Pass	
					-20	3.7	-0.416	-0.0002	-2.5 to 2.5	Pass
					-10	3.7	3.380	0.0013	-2.5 to 2.5	Pass
				0	3.7	-0.097	0.0000	-2.5 to 2.5	Pass	
					10	3.7	1.122	0.0004	-2.5 to 2.5	Pass
					30	3.7	3.929	0.0015	-2.5 to 2.5	Pass
	40	3.7	2.638		0.0010	-2.5 to 2.5	Pass			
	50	3.7	4.102		0.0016	-2.5 to 2.5	Pass			
	2560	100	0		20	3.2	-7.243	-0.0028	-2.5 to 2.5	Pass
				3.7		5.071	0.0020	-2.5 to 2.5	Pass	
				4.2		4.388	0.0017	-2.5 to 2.5	Pass	
				-30	3.7	4.891	0.0019	-2.5 to 2.5	Pass	
				-20	3.7	3.820	0.0015	-2.5 to 2.5	Pass	

				-10	3.7	5.084	0.0020	-2.5 to 2.5	Pass
				0	3.7	4.576	0.0018	-2.5 to 2.5	Pass
				10	3.7	3.915	0.0015	-2.5 to 2.5	Pass
				30	3.7	5.925	0.0023	-2.5 to 2.5	Pass
				40	3.7	4.491	0.0018	-2.5 to 2.5	Pass
				50	3.7	4.207	0.0016	-2.5 to 2.5	Pass
16QAM	2510	27	0	20	3.2	1.436	0.0006	-2.5 to 2.5	Pass
					3.7	-4.101	-0.0016	-2.5 to 2.5	Pass
					4.2	-4.669	-0.0019	-2.5 to 2.5	Pass
				-30	3.7	-6.480	-0.0026	-2.5 to 2.5	Pass
				-20	3.7	-1.294	-0.0005	-2.5 to 2.5	Pass
				-10	3.7	-7.319	-0.0029	-2.5 to 2.5	Pass
				0	3.7	-3.583	-0.0014	-2.5 to 2.5	Pass
				10	3.7	-5.275	-0.0021	-2.5 to 2.5	Pass
				30	3.7	-6.491	-0.0026	-2.5 to 2.5	Pass
				40	3.7	-6.513	-0.0026	-2.5 to 2.5	Pass
	50	3.7	-6.513	-0.0026	-2.5 to 2.5	Pass			
	2535	27	0	20	3.2	5.525	0.0022	-2.5 to 2.5	Pass
					3.7	4.387	0.0017	-2.5 to 2.5	Pass
					4.2	3.738	0.0015	-2.5 to 2.5	Pass
				-30	3.7	4.637	0.0018	-2.5 to 2.5	Pass
				-20	3.7	3.938	0.0016	-2.5 to 2.5	Pass
				-10	3.7	5.305	0.0021	-2.5 to 2.5	Pass
				0	3.7	5.450	0.0021	-2.5 to 2.5	Pass
				10	3.7	4.457	0.0018	-2.5 to 2.5	Pass
				30	3.7	4.252	0.0017	-2.5 to 2.5	Pass
				40	3.7	4.602	0.0018	-2.5 to 2.5	Pass
	50	3.7	6.102	0.0024	-2.5 to 2.5	Pass			
	2560	27	73	20	3.2	2.503	0.0010	-2.5 to 2.5	Pass
					3.7	2.963	0.0012	-2.5 to 2.5	Pass
					4.2	2.550	0.0010	-2.5 to 2.5	Pass
				-30	3.7	4.403	0.0017	-2.5 to 2.5	Pass
				-20	3.7	2.826	0.0011	-2.5 to 2.5	Pass
				-10	3.7	2.375	0.0009	-2.5 to 2.5	Pass
				0	3.7	2.009	0.0008	-2.5 to 2.5	Pass
				10	3.7	4.538	0.0018	-2.5 to 2.5	Pass
30				3.7	3.062	0.0012	-2.5 to 2.5	Pass	
40				3.7	5.177	0.0020	-2.5 to 2.5	Pass	
50	3.7	2.362	0.0009	-2.5 to 2.5	Pass				