

# 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	3.3	-31.557	-0.0171	-2.5 to 2.5	Pass
					3.6	-38.867	-0.0210	-2.5 to 2.5	Pass
					4.2	-15.950	-0.0086	-2.5 to 2.5	Pass
				-30	3.6	-36.778	-0.0199	-2.5 to 2.5	Pass
				-20	3.6	-0.172	-0.0001	-2.5 to 2.5	Pass
				-10	3.6	-18.525	-0.0100	-2.5 to 2.5	Pass
				0	3.6	-19.526	-0.0106	-2.5 to 2.5	Pass
				10	3.6	-33.889	-0.0183	-2.5 to 2.5	Pass
				30	3.6	-19.641	-0.0106	-2.5 to 2.5	Pass
				40	3.6	-26.608	-0.0144	-2.5 to 2.5	Pass
	50	3.6	-27.437	-0.0148	-2.5 to 2.5	Pass			
	1880	6	0	20	3.3	23.189	0.0123	-2.5 to 2.5	Pass
					3.6	-34.776	-0.0185	-2.5 to 2.5	Pass
					4.2	-39.797	-0.0212	-2.5 to 2.5	Pass
				-30	3.6	-29.926	-0.0159	-2.5 to 2.5	Pass
				-20	3.6	-28.009	-0.0149	-2.5 to 2.5	Pass
				-10	3.6	-54.417	-0.0289	-2.5 to 2.5	Pass
				0	3.6	-35.377	-0.0188	-2.5 to 2.5	Pass
				10	3.6	-20.785	-0.0111	-2.5 to 2.5	Pass
				30	3.6	-21.787	-0.0116	-2.5 to 2.5	Pass
				40	3.6	-39.539	-0.0210	-2.5 to 2.5	Pass
	50	3.6	-47.765	-0.0254	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.3	-33.116	-0.0173	-2.5 to 2.5	Pass
					3.6	-29.511	-0.0155	-2.5 to 2.5	Pass
					4.2	-33.059	-0.0173	-2.5 to 2.5	Pass
				-30	3.6	-30.870	-0.0162	-2.5 to 2.5	Pass
				-20	3.6	-10.171	-0.0053	-2.5 to 2.5	Pass
				-10	3.6	-36.221	-0.0190	-2.5 to 2.5	Pass
				0	3.6	-35.062	-0.0184	-2.5 to 2.5	Pass
				10	3.6	-25.792	-0.0135	-2.5 to 2.5	Pass
30				3.6	-7.553	-0.0040	-2.5 to 2.5	Pass	
40				3.6	-25.034	-0.0131	-2.5 to 2.5	Pass	
50	3.6	-44.446	-0.0233	-2.5 to 2.5	Pass				
16QAM	1850.7	6	0	20	3.3	-25.835	-0.0140	-2.5 to 2.5	Pass
					3.6	-17.939	-0.0097	-2.5 to 2.5	Pass
					4.2	-20.328	-0.0110	-2.5 to 2.5	Pass
				-30	3.6	-46.163	-0.0249	-2.5 to 2.5	Pass
				-20	3.6	-43.674	-0.0236	-2.5 to 2.5	Pass
				-10	3.6	-12.259	-0.0066	-2.5 to 2.5	Pass
				0	3.6	-6.208	-0.0034	-2.5 to 2.5	Pass
				10	3.6	-17.023	-0.0092	-2.5 to 2.5	Pass
				30	3.6	-7.725	-0.0042	-2.5 to 2.5	Pass
				40	3.6	-19.169	-0.0104	-2.5 to 2.5	Pass
	50	3.6	-15.278	-0.0083	-2.5 to 2.5	Pass			
	1880	6	0	20	3.3	-15.693	-0.0083	-2.5 to 2.5	Pass
					3.6	-35.877	-0.0191	-2.5 to 2.5	Pass

					4.2	-6.938	-0.0037	-2.5 to 2.5	Pass			
				-30	3.6	-34.232	-0.0182	-2.5 to 2.5	Pass			
				-20	3.6	-34.046	-0.0181	-2.5 to 2.5	Pass			
				-10	3.6	5.994	0.0032	-2.5 to 2.5	Pass			
				0	3.6	-15.049	-0.0080	-2.5 to 2.5	Pass			
				10	3.6	-7.682	-0.0041	-2.5 to 2.5	Pass			
				30	3.6	-25.020	-0.0133	-2.5 to 2.5	Pass			
				40	3.6	-15.979	-0.0085	-2.5 to 2.5	Pass			
				50	3.6	-29.926	-0.0159	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.3	-15.249	-0.0080	-2.5 to 2.5	Pass			
								3.6	-36.492	-0.0191	-2.5 to 2.5	Pass
								4.2	-3.362	-0.0018	-2.5 to 2.5	Pass
							-30	3.6	-31.056	-0.0163	-2.5 to 2.5	Pass
							-20	3.6	-33.574	-0.0176	-2.5 to 2.5	Pass
							-10	3.6	-42.071	-0.0220	-2.5 to 2.5	Pass
							0	3.6	-14.935	-0.0078	-2.5 to 2.5	Pass
							10	3.6	-20.642	-0.0108	-2.5 to 2.5	Pass
							30	3.6	-23.246	-0.0122	-2.5 to 2.5	Pass
							40	3.6	-24.462	-0.0128	-2.5 to 2.5	Pass
							50	3.6	-11.845	-0.0062	-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	3.3	22.731	0.0123	-2.5 to 2.5	Pass				
						3.6	-10.514	-0.0057	-2.5 to 2.5	Pass			
						4.2	-32.930	-0.0178	-2.5 to 2.5	Pass			
								-30	3.6	-42.672	-0.0230	-2.5 to 2.5	Pass
								-20	3.6	-6.294	-0.0034	-2.5 to 2.5	Pass
								-10	3.6	-15.779	-0.0085	-2.5 to 2.5	Pass
								0	3.6	-31.786	-0.0172	-2.5 to 2.5	Pass
								10	3.6	-30.942	-0.0167	-2.5 to 2.5	Pass
								30	3.6	-31.829	-0.0172	-2.5 to 2.5	Pass
								40	3.6	-29.297	-0.0158	-2.5 to 2.5	Pass
								50	3.6	-36.507	-0.0197	-2.5 to 2.5	Pass
					1880	15	0	20	3.3	-15.278	-0.0081	-2.5 to 2.5	Pass
									3.6	-30.098	-0.0160	-2.5 to 2.5	Pass
									4.2	-21.300	-0.0113	-2.5 to 2.5	Pass
								-30	3.6	-35.391	-0.0188	-2.5 to 2.5	Pass
								-20	3.6	-24.176	-0.0129	-2.5 to 2.5	Pass
								-10	3.6	-17.409	-0.0093	-2.5 to 2.5	Pass
								0	3.6	-43.416	-0.0231	-2.5 to 2.5	Pass
								10	3.6	-35.362	-0.0188	-2.5 to 2.5	Pass
								30	3.6	-42.286	-0.0225	-2.5 to 2.5	Pass
								40	3.6	-39.725	-0.0211	-2.5 to 2.5	Pass
								50	3.6	-30.212	-0.0161	-2.5 to 2.5	Pass
		1908.5	15	0				20	3.3	0.715	0.0004	-2.5 to 2.5	Pass
									3.6	-40.255	-0.0211	-2.5 to 2.5	Pass
									4.2	-37.165	-0.0195	-2.5 to 2.5	Pass
									-30	3.6	-12.889	-0.0068	-2.5 to 2.5
					-20	3.6	-18.382	-0.0096	-2.5 to 2.5	Pass			

				-10	3.6	-23.074	-0.0121	-2.5 to 2.5	Pass
				0	3.6	-25.721	-0.0135	-2.5 to 2.5	Pass
				10	3.6	-24.877	-0.0130	-2.5 to 2.5	Pass
				30	3.6	-9.685	-0.0051	-2.5 to 2.5	Pass
				40	3.6	-15.907	-0.0083	-2.5 to 2.5	Pass
				50	3.6	3.676	0.0019	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.3	-17.624	-0.0095	-2.5 to 2.5	Pass
					3.6	-9.255	-0.0050	-2.5 to 2.5	Pass
					4.2	-33.431	-0.0181	-2.5 to 2.5	Pass
				-30	3.6	-53.201	-0.0287	-2.5 to 2.5	Pass
				-20	3.6	-14.319	-0.0077	-2.5 to 2.5	Pass
				-10	3.6	-18.668	-0.0101	-2.5 to 2.5	Pass
				0	3.6	-24.490	-0.0132	-2.5 to 2.5	Pass
				10	3.6	-46.706	-0.0252	-2.5 to 2.5	Pass
				30	3.6	-15.621	-0.0084	-2.5 to 2.5	Pass
				40	3.6	-35.620	-0.0192	-2.5 to 2.5	Pass
	50	3.6	-29.054	-0.0157	-2.5 to 2.5	Pass			
	1880	15	0	20	3.3	-19.183	-0.0102	-2.5 to 2.5	Pass
					3.6	-27.552	-0.0147	-2.5 to 2.5	Pass
					4.2	-26.665	-0.0142	-2.5 to 2.5	Pass
				-30	3.6	-45.261	-0.0241	-2.5 to 2.5	Pass
				-20	3.6	-11.287	-0.0060	-2.5 to 2.5	Pass
				-10	3.6	-12.960	-0.0069	-2.5 to 2.5	Pass
				0	3.6	-10.443	-0.0056	-2.5 to 2.5	Pass
				10	3.6	-10.743	-0.0057	-2.5 to 2.5	Pass
				30	3.6	-5.865	-0.0031	-2.5 to 2.5	Pass
				40	3.6	-8.154	-0.0043	-2.5 to 2.5	Pass
	50	3.6	0.286	0.0002	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.3	-36.478	-0.0191	-2.5 to 2.5	Pass
					3.6	-31.085	-0.0163	-2.5 to 2.5	Pass
					4.2	6.423	0.0034	-2.5 to 2.5	Pass
				-30	3.6	-9.441	-0.0049	-2.5 to 2.5	Pass
				-20	3.6	-36.678	-0.0192	-2.5 to 2.5	Pass
				-10	3.6	-20.399	-0.0107	-2.5 to 2.5	Pass
				0	3.6	-42.357	-0.0222	-2.5 to 2.5	Pass
				10	3.6	-24.462	-0.0128	-2.5 to 2.5	Pass
30				3.6	-47.851	-0.0251	-2.5 to 2.5	Pass	
40				3.6	-5.622	-0.0029	-2.5 to 2.5	Pass	
50	3.6	-24.905	-0.0130	-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	3.3	23.518	0.0127	-2.5 to 2.5	Pass
					3.6	12.174	0.0066	-2.5 to 2.5	Pass
					4.2	-19.727	-0.0106	-2.5 to 2.5	Pass
				-30	3.6	-18.425	-0.0099	-2.5 to 2.5	Pass
				-20	3.6	-30.284	-0.0163	-2.5 to 2.5	Pass
				-10	3.6	-19.126	-0.0103	-2.5 to 2.5	Pass
				0	3.6	-51.541	-0.0278	-2.5 to 2.5	Pass
				10	3.6	-14.977	-0.0081	-2.5 to 2.5	Pass
				30	3.6	-23.103	-0.0125	-2.5 to 2.5	Pass
				40	3.6	-27.738	-0.0150	-2.5 to 2.5	Pass
	50	3.6	-38.209	-0.0206	-2.5 to 2.5	Pass			
	1880	25	0	20	3.3	11.187	0.0060	-2.5 to 2.5	Pass
					3.6	2.174	0.0012	-2.5 to 2.5	Pass
					4.2	-18.969	-0.0101	-2.5 to 2.5	Pass
				-30	3.6	-31.800	-0.0169	-2.5 to 2.5	Pass
				-20	3.6	-47.665	-0.0254	-2.5 to 2.5	Pass
				-10	3.6	-1.230	-0.0007	-2.5 to 2.5	Pass
				0	3.6	-14.019	-0.0075	-2.5 to 2.5	Pass
				10	3.6	-27.337	-0.0145	-2.5 to 2.5	Pass
				30	3.6	-12.531	-0.0067	-2.5 to 2.5	Pass
				40	3.6	-17.638	-0.0094	-2.5 to 2.5	Pass
	50	3.6	-32.973	-0.0175	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.3	33.817	0.0177	-2.5 to 2.5	Pass
					3.6	22.044	0.0116	-2.5 to 2.5	Pass
					4.2	-8.798	-0.0046	-2.5 to 2.5	Pass
				-30	3.6	-32.330	-0.0169	-2.5 to 2.5	Pass
				-20	3.6	-17.238	-0.0090	-2.5 to 2.5	Pass
				-10	3.6	-41.728	-0.0219	-2.5 to 2.5	Pass
				0	3.6	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	3.6	-26.450	-0.0139	-2.5 to 2.5	Pass
30				3.6	-8.740	-0.0046	-2.5 to 2.5	Pass	
40				3.6	-26.836	-0.0141	-2.5 to 2.5	Pass	
50	3.6	-42.915	-0.0225	-2.5 to 2.5	Pass				
16QAM	1852.5	25	0	20	3.3	-17.123	-0.0092	-2.5 to 2.5	Pass
					3.6	-32.372	-0.0175	-2.5 to 2.5	Pass
					4.2	-13.590	-0.0073	-2.5 to 2.5	Pass
				-30	3.6	-26.665	-0.0144	-2.5 to 2.5	Pass
				-20	3.6	-35.992	-0.0194	-2.5 to 2.5	Pass
				-10	3.6	-28.195	-0.0152	-2.5 to 2.5	Pass
				0	3.6	-7.653	-0.0041	-2.5 to 2.5	Pass
				10	3.6	-17.295	-0.0093	-2.5 to 2.5	Pass
				30	3.6	-28.410	-0.0153	-2.5 to 2.5	Pass
				40	3.6	-35.591	-0.0192	-2.5 to 2.5	Pass
	50	3.6	-48.394	-0.0261	-2.5 to 2.5	Pass			
	1880	25	0	20	3.3	10.586	0.0056	-2.5 to 2.5	Pass
					3.6	7.954	0.0042	-2.5 to 2.5	Pass
					4.2	8.855	0.0047	-2.5 to 2.5	Pass

				-30	3.6	5.608	0.0030	-2.5 to 2.5	Pass
				-20	3.6	5.093	0.0027	-2.5 to 2.5	Pass
				-10	3.6	0.815	0.0004	-2.5 to 2.5	Pass
				0	3.6	0.830	0.0004	-2.5 to 2.5	Pass
				10	3.6	-2.918	-0.0016	-2.5 to 2.5	Pass
				30	3.6	-6.394	-0.0034	-2.5 to 2.5	Pass
				40	3.6	-11.530	-0.0061	-2.5 to 2.5	Pass
				50	3.6	-18.425	-0.0098	-2.5 to 2.5	Pass
				1907.5	25	0	20	3.3	-23.117
	3.6	-31.271	-0.0164					-2.5 to 2.5	Pass
	4.2	-35.605	-0.0187					-2.5 to 2.5	Pass
	-30	3.6	-39.582				-0.0208	-2.5 to 2.5	Pass
	-20	3.6	-42.501				-0.0223	-2.5 to 2.5	Pass
	-10	3.6	-44.546				-0.0234	-2.5 to 2.5	Pass
	0	3.6	-49.639				-0.0260	-2.5 to 2.5	Pass
	10	3.6	7.138				0.0037	-2.5 to 2.5	Pass
	30	3.6	0.858				0.0004	-2.5 to 2.5	Pass
	40	3.6	-1.945				-0.0010	-2.5 to 2.5	Pass
	50	3.6	-7.138	-0.0037	-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	3.3	19.140	0.0103	-2.5 to 2.5	Pass			
					3.6	16.108	0.0087	-2.5 to 2.5	Pass			
					4.2	4.420	0.0024	-2.5 to 2.5	Pass			
				-30	3.6	-12.116	-0.0065	-2.5 to 2.5	Pass			
				-20	3.6	-21.544	-0.0116	-2.5 to 2.5	Pass			
				-10	3.6	-34.404	-0.0185	-2.5 to 2.5	Pass			
				0	3.6	-44.689	-0.0241	-2.5 to 2.5	Pass			
				10	3.6	-5.021	-0.0027	-2.5 to 2.5	Pass			
				30	3.6	-12.617	-0.0068	-2.5 to 2.5	Pass			
				40	3.6	-24.319	-0.0131	-2.5 to 2.5	Pass			
				50	3.6	-31.314	-0.0169	-2.5 to 2.5	Pass			
				1880	50	0	20	3.3	-5.279	-0.0028	-2.5 to 2.5	Pass
								3.6	-35.048	-0.0186	-2.5 to 2.5	Pass
								4.2	-16.036	-0.0085	-2.5 to 2.5	Pass
							-30	3.6	-45.576	-0.0242	-2.5 to 2.5	Pass
	-20	3.6	-27.223				-0.0145	-2.5 to 2.5	Pass			
	-10	3.6	-10.085				-0.0054	-2.5 to 2.5	Pass			
	0	3.6	-22.144				-0.0118	-2.5 to 2.5	Pass			
	10	3.6	-1.302				-0.0007	-2.5 to 2.5	Pass			
	30	3.6	-21.300				-0.0113	-2.5 to 2.5	Pass			
	40	3.6	-41.313	-0.0220	-2.5 to 2.5	Pass						
	50	3.6	-10.386	-0.0055	-2.5 to 2.5	Pass						
	1905	50	0	20	3.3	17.881	0.0094	-2.5 to 2.5	Pass			
					3.6	7.210	0.0038	-2.5 to 2.5	Pass			
					4.2	1.044	0.0005	-2.5 to 2.5	Pass			
				-30	3.6	-6.552	-0.0034	-2.5 to 2.5	Pass			
				-20	3.6	-11.330	-0.0059	-2.5 to 2.5	Pass			
				-10	3.6	-16.422	-0.0086	-2.5 to 2.5	Pass			

				0	3.6	-21.958	-0.0115	-2.5 to 2.5	Pass
				10	3.6	-24.533	-0.0129	-2.5 to 2.5	Pass
				30	3.6	-31.843	-0.0167	-2.5 to 2.5	Pass
				40	3.6	-35.362	-0.0186	-2.5 to 2.5	Pass
				50	3.6	-37.236	-0.0195	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.3	-40.970	-0.0221	-2.5 to 2.5	Pass
					3.6	-39.139	-0.0211	-2.5 to 2.5	Pass
					4.2	-36.106	-0.0195	-2.5 to 2.5	Pass
				-30	3.6	-33.374	-0.0180	-2.5 to 2.5	Pass
				-20	3.6	-36.721	-0.0198	-2.5 to 2.5	Pass
				-10	3.6	-32.072	-0.0173	-2.5 to 2.5	Pass
				0	3.6	-15.650	-0.0084	-2.5 to 2.5	Pass
				10	3.6	-36.535	-0.0197	-2.5 to 2.5	Pass
				30	3.6	-34.175	-0.0184	-2.5 to 2.5	Pass
				40	3.6	-30.084	-0.0162	-2.5 to 2.5	Pass
	50	3.6	-8.855	-0.0048	-2.5 to 2.5	Pass			
	1880	50	0	20	3.3	-29.483	-0.0157	-2.5 to 2.5	Pass
					3.6	3.448	0.0018	-2.5 to 2.5	Pass
					4.2	-3.633	-0.0019	-2.5 to 2.5	Pass
				-30	3.6	-16.665	-0.0089	-2.5 to 2.5	Pass
				-20	3.6	-30.270	-0.0161	-2.5 to 2.5	Pass
				-10	3.6	-37.766	-0.0201	-2.5 to 2.5	Pass
				0	3.6	-33.603	-0.0179	-2.5 to 2.5	Pass
				10	3.6	-27.895	-0.0148	-2.5 to 2.5	Pass
				30	3.6	-21.057	-0.0112	-2.5 to 2.5	Pass
				40	3.6	-12.960	-0.0069	-2.5 to 2.5	Pass
	50	3.6	-5.994	-0.0032	-2.5 to 2.5	Pass			
	1905	50	0	20	3.3	-39.296	-0.0206	-2.5 to 2.5	Pass
					3.6	-39.582	-0.0208	-2.5 to 2.5	Pass
					4.2	-34.976	-0.0184	-2.5 to 2.5	Pass
				-30	3.6	-29.111	-0.0153	-2.5 to 2.5	Pass
				-20	3.6	-26.965	-0.0142	-2.5 to 2.5	Pass
				-10	3.6	-24.734	-0.0130	-2.5 to 2.5	Pass
				0	3.6	-21.200	-0.0111	-2.5 to 2.5	Pass
				10	3.6	-21.472	-0.0113	-2.5 to 2.5	Pass
30				3.6	-18.911	-0.0099	-2.5 to 2.5	Pass	
40				3.6	-15.578	-0.0082	-2.5 to 2.5	Pass	
50	3.6	-13.647	-0.0072	-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	3.3	8.669	0.0047	-2.5 to 2.5	Pass
					3.6	5.522	0.0030	-2.5 to 2.5	Pass
					4.2	3.204	0.0017	-2.5 to 2.5	Pass
				-30	3.6	1.044	0.0006	-2.5 to 2.5	Pass
				-20	3.6	1.531	0.0008	-2.5 to 2.5	Pass
				-10	3.6	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.6	-4.663	-0.0025	-2.5 to 2.5	Pass
				10	3.6	-7.610	-0.0041	-2.5 to 2.5	Pass
				30	3.6	-11.745	-0.0063	-2.5 to 2.5	Pass
				40	3.6	-8.626	-0.0046	-2.5 to 2.5	Pass
	50	3.6	-8.712	-0.0047	-2.5 to 2.5	Pass			
	1880	75	0	20	3.3	32.387	0.0172	-2.5 to 2.5	Pass
					3.6	23.932	0.0127	-2.5 to 2.5	Pass
					4.2	18.940	0.0101	-2.5 to 2.5	Pass
				-30	3.6	10.328	0.0055	-2.5 to 2.5	Pass
				-20	3.6	1.101	0.0006	-2.5 to 2.5	Pass
				-10	3.6	-6.638	-0.0035	-2.5 to 2.5	Pass
				0	3.6	-12.589	-0.0067	-2.5 to 2.5	Pass
				10	3.6	-17.724	-0.0094	-2.5 to 2.5	Pass
				30	3.6	-21.458	-0.0114	-2.5 to 2.5	Pass
				40	3.6	-29.469	-0.0157	-2.5 to 2.5	Pass
	50	3.6	-34.504	-0.0184	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.3	13.604	0.0072	-2.5 to 2.5	Pass
					3.6	-0.429	-0.0002	-2.5 to 2.5	Pass
					4.2	-11.787	-0.0062	-2.5 to 2.5	Pass
				-30	3.6	-26.293	-0.0138	-2.5 to 2.5	Pass
				-20	3.6	-38.481	-0.0202	-2.5 to 2.5	Pass
				-10	3.6	-47.565	-0.0250	-2.5 to 2.5	Pass
				0	3.6	5.407	0.0028	-2.5 to 2.5	Pass
				10	3.6	-5.322	-0.0028	-2.5 to 2.5	Pass
30				3.6	-12.360	-0.0065	-2.5 to 2.5	Pass	
40				3.6	-16.637	-0.0087	-2.5 to 2.5	Pass	
50	3.6	-21.958	-0.0115	-2.5 to 2.5	Pass				
16QAM	1857.5	75	0	20	3.3	-10.471	-0.0056	-2.5 to 2.5	Pass
					3.6	-2.146	-0.0012	-2.5 to 2.5	Pass
					4.2	3.119	0.0017	-2.5 to 2.5	Pass
				-30	3.6	10.729	0.0058	-2.5 to 2.5	Pass
				-20	3.6	15.063	0.0081	-2.5 to 2.5	Pass
				-10	3.6	19.054	0.0103	-2.5 to 2.5	Pass
				0	3.6	25.392	0.0137	-2.5 to 2.5	Pass
				10	3.6	29.840	0.0161	-2.5 to 2.5	Pass
				30	3.6	29.097	0.0157	-2.5 to 2.5	Pass
				40	3.6	31.443	0.0169	-2.5 to 2.5	Pass
	50	3.6	36.750	0.0198	-2.5 to 2.5	Pass			
	1880	75	0	20	3.3	-16.923	-0.0090	-2.5 to 2.5	Pass
					3.6	-9.112	-0.0048	-2.5 to 2.5	Pass
4.2					-12.031	-0.0064	-2.5 to 2.5	Pass	

				-30	3.6	-7.024	-0.0037	-2.5 to 2.5	Pass
				-20	3.6	-5.665	-0.0030	-2.5 to 2.5	Pass
				-10	3.6	-2.131	-0.0011	-2.5 to 2.5	Pass
				0	3.6	-3.905	-0.0021	-2.5 to 2.5	Pass
				10	3.6	-3.719	-0.0020	-2.5 to 2.5	Pass
				30	3.6	1.502	0.0008	-2.5 to 2.5	Pass
				40	3.6	2.074	0.0011	-2.5 to 2.5	Pass
				50	3.6	2.575	0.0014	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	-29.097	-0.0153	-2.5 to 2.5	Pass
					3.6	-27.566	-0.0145	-2.5 to 2.5	Pass
					4.2	-23.918	-0.0126	-2.5 to 2.5	Pass
				-30	3.6	-21.586	-0.0113	-2.5 to 2.5	Pass
				-20	3.6	-20.170	-0.0106	-2.5 to 2.5	Pass
				-10	3.6	-18.010	-0.0095	-2.5 to 2.5	Pass
				0	3.6	-21.071	-0.0111	-2.5 to 2.5	Pass
				10	3.6	-17.495	-0.0092	-2.5 to 2.5	Pass
				30	3.6	-23.532	-0.0124	-2.5 to 2.5	Pass
				40	3.6	-20.800	-0.0109	-2.5 to 2.5	Pass
				50	3.6	-23.146	-0.0122	-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	3.3	36.550	0.0197	-2.5 to 2.5	Pass
					3.6	29.483	0.0159	-2.5 to 2.5	Pass
					4.2	24.905	0.0134	-2.5 to 2.5	Pass
				-30	3.6	21.014	0.0113	-2.5 to 2.5	Pass
				-20	3.6	19.112	0.0103	-2.5 to 2.5	Pass
				-10	3.6	18.597	0.0100	-2.5 to 2.5	Pass
				0	3.6	16.208	0.0087	-2.5 to 2.5	Pass
				10	3.6	13.247	0.0071	-2.5 to 2.5	Pass
				30	3.6	11.230	0.0060	-2.5 to 2.5	Pass
				40	3.6	13.390	0.0072	-2.5 to 2.5	Pass
				50	3.6	8.798	0.0047	-2.5 to 2.5	Pass
				1880	100	0	20	3.3	15.121
	3.6	4.206	0.0022					-2.5 to 2.5	Pass
	4.2	-7.024	-0.0037					-2.5 to 2.5	Pass
	-30	3.6	-20.185				-0.0107	-2.5 to 2.5	Pass
	-20	3.6	-29.340				-0.0156	-2.5 to 2.5	Pass
	-10	3.6	-34.876				-0.0186	-2.5 to 2.5	Pass
	0	3.6	-42.071				-0.0224	-2.5 to 2.5	Pass
	10	3.6	-21.014				-0.0112	-2.5 to 2.5	Pass
	30	3.6	-3.576				-0.0019	-2.5 to 2.5	Pass
	40	3.6	-9.170				-0.0049	-2.5 to 2.5	Pass
	50	3.6	-12.488				-0.0066	-2.5 to 2.5	Pass
	1900	100	0				20	3.3	16.522
				3.6	4.592	0.0024		-2.5 to 2.5	Pass
				4.2	-6.623	-0.0035		-2.5 to 2.5	Pass
				-30	3.6	-17.481	-0.0092	-2.5 to 2.5	Pass
				-20	3.6	-26.007	-0.0137	-2.5 to 2.5	Pass
				-10	3.6	-36.407	-0.0192	-2.5 to 2.5	Pass



				0	3.6	-42.772	-0.0225	-2.5 to 2.5	Pass
				10	3.6	0.443	0.0002	-2.5 to 2.5	Pass
				30	3.6	-5.221	-0.0027	-2.5 to 2.5	Pass
				40	3.6	-8.411	-0.0044	-2.5 to 2.5	Pass
				50	3.6	-13.061	-0.0069	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.3	11.501	0.0062	-2.5 to 2.5	Pass
					3.6	18.582	0.0100	-2.5 to 2.5	Pass
					4.2	23.818	0.0128	-2.5 to 2.5	Pass
				-30	3.6	29.383	0.0158	-2.5 to 2.5	Pass
				-20	3.6	35.362	0.0190	-2.5 to 2.5	Pass
				-10	3.6	40.054	0.0215	-2.5 to 2.5	Pass
				0	3.6	44.146	0.0237	-2.5 to 2.5	Pass
				10	3.6	44.417	0.0239	-2.5 to 2.5	Pass
				30	3.6	21.429	0.0115	-2.5 to 2.5	Pass
				40	3.6	23.718	0.0128	-2.5 to 2.5	Pass
				50	3.6	25.492	0.0137	-2.5 to 2.5	Pass
				1880	100	0	20	3.3	-16.623
	3.6	-13.375	-0.0071					-2.5 to 2.5	Pass
	4.2	-10.014	-0.0053					-2.5 to 2.5	Pass
	-30	3.6	-8.383				-0.0045	-2.5 to 2.5	Pass
	-20	3.6	-7.381				-0.0039	-2.5 to 2.5	Pass
	-10	3.6	-7.811				-0.0042	-2.5 to 2.5	Pass
	0	3.6	-6.180				-0.0033	-2.5 to 2.5	Pass
	10	3.6	-5.407				-0.0029	-2.5 to 2.5	Pass
	30	3.6	-6.723				-0.0036	-2.5 to 2.5	Pass
	40	3.6	-8.225				-0.0044	-2.5 to 2.5	Pass
	50	3.6	-7.753				-0.0041	-2.5 to 2.5	Pass
	1900	100	0				20	3.3	-18.053
				3.6	-15.106	-0.0080		-2.5 to 2.5	Pass
				4.2	-8.869	-0.0047		-2.5 to 2.5	Pass
				-30	3.6	-6.208	-0.0033	-2.5 to 2.5	Pass
				-20	3.6	-4.563	-0.0024	-2.5 to 2.5	Pass
				-10	3.6	-4.907	-0.0026	-2.5 to 2.5	Pass
				0	3.6	-4.320	-0.0023	-2.5 to 2.5	Pass
				10	3.6	0.858	0.0005	-2.5 to 2.5	Pass
				30	3.6	-0.587	-0.0003	-2.5 to 2.5	Pass
				40	3.6	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	3.6	-4.807	-0.0025	-2.5 to 2.5	Pass

## 2. Frequency Stability

### 2.1 B38\_5MHz

#### 2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.3	23.174	0.0090	-2.5 to 2.5	Pass
					3.6	15.635	0.0061	-2.5 to 2.5	Pass
					4.2	29.211	0.0114	-2.5 to 2.5	Pass
				-30	3.6	34.275	0.0133	-2.5 to 2.5	Pass
				-20	3.6	33.731	0.0131	-2.5 to 2.5	Pass
				-10	3.6	34.976	0.0136	-2.5 to 2.5	Pass
				0	3.6	23.761	0.0092	-2.5 to 2.5	Pass
				10	3.6	17.810	0.0069	-2.5 to 2.5	Pass
				30	3.6	22.774	0.0089	-2.5 to 2.5	Pass
				40	3.6	23.961	0.0093	-2.5 to 2.5	Pass
	50	3.6	34.618	0.0135	-2.5 to 2.5	Pass			
	2595	25	0	20	3.3	21.372	0.0082	-2.5 to 2.5	Pass
					3.6	33.474	0.0129	-2.5 to 2.5	Pass
					4.2	23.160	0.0089	-2.5 to 2.5	Pass
				-30	3.6	32.001	0.0123	-2.5 to 2.5	Pass
				-20	3.6	16.465	0.0063	-2.5 to 2.5	Pass
				-10	3.6	18.296	0.0071	-2.5 to 2.5	Pass
				0	3.6	16.365	0.0063	-2.5 to 2.5	Pass
				10	3.6	16.351	0.0063	-2.5 to 2.5	Pass
				30	3.6	24.948	0.0096	-2.5 to 2.5	Pass
				40	3.6	20.185	0.0078	-2.5 to 2.5	Pass
	50	3.6	7.396	0.0029	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.3	-4.220	-0.0016	-2.5 to 2.5	Pass
					3.6	2.704	0.0010	-2.5 to 2.5	Pass
					4.2	6.895	0.0026	-2.5 to 2.5	Pass
				-30	3.6	7.124	0.0027	-2.5 to 2.5	Pass
				-20	3.6	6.509	0.0025	-2.5 to 2.5	Pass
				-10	3.6	7.939	0.0030	-2.5 to 2.5	Pass
				0	3.6	13.976	0.0053	-2.5 to 2.5	Pass
				10	3.6	14.062	0.0054	-2.5 to 2.5	Pass
30				3.6	14.648	0.0056	-2.5 to 2.5	Pass	
40				3.6	16.694	0.0064	-2.5 to 2.5	Pass	
50	3.6	12.789	0.0049	-2.5 to 2.5	Pass				
16QAM	2572.5	25	0	20	3.3	33.545	0.0130	-2.5 to 2.5	Pass
					3.6	26.579	0.0103	-2.5 to 2.5	Pass
					4.2	28.424	0.0110	-2.5 to 2.5	Pass
				-30	3.6	26.093	0.0101	-2.5 to 2.5	Pass
				-20	3.6	38.867	0.0151	-2.5 to 2.5	Pass
				-10	3.6	45.462	0.0177	-2.5 to 2.5	Pass
				0	3.6	34.876	0.0136	-2.5 to 2.5	Pass
				10	3.6	-14.262	-0.0055	-2.5 to 2.5	Pass
				30	3.6	-30.112	-0.0117	-2.5 to 2.5	Pass
				40	3.6	-17.295	-0.0067	-2.5 to 2.5	Pass
50	3.6	-9.942	-0.0039	-2.5 to 2.5	Pass				

	2595	25	0	20	3.3	15.292	0.0059	-2.5 to 2.5	Pass	
					3.6	14.591	0.0056	-2.5 to 2.5	Pass	
					4.2	3.262	0.0013	-2.5 to 2.5	Pass	
				-30	3.6	16.823	0.0065	-2.5 to 2.5	Pass	
					-20	3.6	17.910	0.0069	-2.5 to 2.5	Pass
						-10	3.6	4.878	0.0019	-2.5 to 2.5
				0	3.6	14.749	0.0057	-2.5 to 2.5	Pass	
					10	3.6	3.963	0.0015	-2.5 to 2.5	Pass
					30	3.6	22.159	0.0085	-2.5 to 2.5	Pass
	40	3.6	21.372		0.0082	-2.5 to 2.5	Pass			
	50	3.6	24.805		0.0096	-2.5 to 2.5	Pass			
	2617.5	25	0		20	3.3	20.385	0.0078	-2.5 to 2.5	Pass
						3.6	20.814	0.0080	-2.5 to 2.5	Pass
				4.2		21.629	0.0083	-2.5 to 2.5	Pass	
				-30	3.6	23.918	0.0091	-2.5 to 2.5	Pass	
					-20	3.6	26.035	0.0099	-2.5 to 2.5	Pass
						-10	3.6	34.390	0.0131	-2.5 to 2.5
				0	3.6	36.678	0.0140	-2.5 to 2.5	Pass	
					10	3.6	42.701	0.0163	-2.5 to 2.5	Pass
30					3.6	46.620	0.0178	-2.5 to 2.5	Pass	
40	3.6	44.761	0.0171		-2.5 to 2.5	Pass				
50	3.6	14.477	0.0055		-2.5 to 2.5	Pass				

## 2.2 B38\_10MHz

### 2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2575	50	0	20	3.3	4.292	0.0017	-2.5 to 2.5	Pass	
					3.6	9.727	0.0038	-2.5 to 2.5	Pass	
					4.2	9.942	0.0039	-2.5 to 2.5	Pass	
				-30	3.6	-9.284	-0.0036	-2.5 to 2.5	Pass	
					-20	3.6	9.027	0.0035	-2.5 to 2.5	Pass
						-10	3.6	3.691	0.0014	-2.5 to 2.5
				0	3.6	-10.228	-0.0040	-2.5 to 2.5	Pass	
					10	3.6	-14.677	-0.0057	-2.5 to 2.5	Pass
					30	3.6	-17.223	-0.0067	-2.5 to 2.5	Pass
	40	3.6	-22.116		-0.0086	-2.5 to 2.5	Pass			
	50	3.6	-20.270		-0.0079	-2.5 to 2.5	Pass			
	2595	50	0		20	3.3	6.766	0.0026	-2.5 to 2.5	Pass
						3.6	17.009	0.0066	-2.5 to 2.5	Pass
				4.2		14.677	0.0057	-2.5 to 2.5	Pass	
				-30	3.6	18.368	0.0071	-2.5 to 2.5	Pass	
					-20	3.6	7.668	0.0030	-2.5 to 2.5	Pass
						-10	3.6	-8.984	-0.0035	-2.5 to 2.5
				0	3.6	-15.264	-0.0059	-2.5 to 2.5	Pass	
					10	3.6	-8.326	-0.0032	-2.5 to 2.5	Pass
					30	3.6	-23.603	-0.0091	-2.5 to 2.5	Pass
	40	3.6	-25.363		-0.0098	-2.5 to 2.5	Pass			
	50	3.6	-26.793		-0.0103	-2.5 to 2.5	Pass			
	2615	50	0		20	3.3	34.075	0.0130	-2.5 to 2.5	Pass
						3.6	43.559	0.0167	-2.5 to 2.5	Pass
				4.2		-1.187	-0.0005	-2.5 to 2.5	Pass	

				-30	3.6	-11.201	-0.0043	-2.5 to 2.5	Pass
				-20	3.6	-12.159	-0.0046	-2.5 to 2.5	Pass
				-10	3.6	-10.943	-0.0042	-2.5 to 2.5	Pass
				0	3.6	-8.497	-0.0032	-2.5 to 2.5	Pass
				10	3.6	-4.921	-0.0019	-2.5 to 2.5	Pass
				30	3.6	-2.174	-0.0008	-2.5 to 2.5	Pass
				40	3.6	1.273	0.0005	-2.5 to 2.5	Pass
				50	3.6	-0.787	-0.0003	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.3	-22.316	-0.0087	-2.5 to 2.5	Pass
					3.6	-3.476	-0.0013	-2.5 to 2.5	Pass
					4.2	-19.026	-0.0074	-2.5 to 2.5	Pass
				-30	3.6	-1.402	-0.0005	-2.5 to 2.5	Pass
				-20	3.6	-9.785	-0.0038	-2.5 to 2.5	Pass
				-10	3.6	-2.675	-0.0010	-2.5 to 2.5	Pass
				0	3.6	-2.418	-0.0009	-2.5 to 2.5	Pass
				10	3.6	11.787	0.0046	-2.5 to 2.5	Pass
				30	3.6	-5.922	-0.0023	-2.5 to 2.5	Pass
				40	3.6	1.216	0.0005	-2.5 to 2.5	Pass
	50	3.6	4.005	0.0016	-2.5 to 2.5	Pass			
	2595	50	0	20	3.3	-24.562	-0.0095	-2.5 to 2.5	Pass
					3.6	-30.770	-0.0119	-2.5 to 2.5	Pass
					4.2	-26.650	-0.0103	-2.5 to 2.5	Pass
				-30	3.6	-16.980	-0.0065	-2.5 to 2.5	Pass
				-20	3.6	-20.714	-0.0080	-2.5 to 2.5	Pass
				-10	3.6	-8.426	-0.0032	-2.5 to 2.5	Pass
				0	3.6	-17.152	-0.0066	-2.5 to 2.5	Pass
				10	3.6	-12.474	-0.0048	-2.5 to 2.5	Pass
				30	3.6	-9.913	-0.0038	-2.5 to 2.5	Pass
				40	3.6	-10.271	-0.0040	-2.5 to 2.5	Pass
	50	3.6	3.591	0.0014	-2.5 to 2.5	Pass			
	2615	50	0	20	3.3	4.463	0.0017	-2.5 to 2.5	Pass
					3.6	9.298	0.0036	-2.5 to 2.5	Pass
					4.2	17.395	0.0067	-2.5 to 2.5	Pass
				-30	3.6	19.398	0.0074	-2.5 to 2.5	Pass
				-20	3.6	27.151	0.0104	-2.5 to 2.5	Pass
				-10	3.6	36.364	0.0139	-2.5 to 2.5	Pass
				0	3.6	41.900	0.0160	-2.5 to 2.5	Pass
				10	3.6	14.148	0.0054	-2.5 to 2.5	Pass
30				3.6	17.896	0.0068	-2.5 to 2.5	Pass	
40				3.6	26.307	0.0101	-2.5 to 2.5	Pass	
50	3.6	30.856	0.0118	-2.5 to 2.5	Pass				

## 2.3 B38\_15MHz

### 2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.3	39.983	0.0155	-2.5 to 2.5	Pass
					3.6	45.090	0.0175	-2.5 to 2.5	Pass
					4.2	-39.282	-0.0152	-2.5 to 2.5	Pass
				-30	3.6	-19.941	-0.0077	-2.5 to 2.5	Pass
				-20	3.6	-46.091	-0.0179	-2.5 to 2.5	Pass
				-10	3.6	-31.142	-0.0121	-2.5 to 2.5	Pass
				0	3.6	-34.089	-0.0132	-2.5 to 2.5	Pass
				10	3.6	-62.671	-0.0243	-2.5 to 2.5	Pass
				30	3.6	-43.588	-0.0169	-2.5 to 2.5	Pass
				40	3.6	-70.939	-0.0275	-2.5 to 2.5	Pass
	50	3.6	-19.884	-0.0077	-2.5 to 2.5	Pass			
	2595	75	0	20	3.3	9.828	0.0038	-2.5 to 2.5	Pass
					3.6	8.397	0.0032	-2.5 to 2.5	Pass
					4.2	16.665	0.0064	-2.5 to 2.5	Pass
				-30	3.6	0.772	0.0003	-2.5 to 2.5	Pass
				-20	3.6	5.908	0.0023	-2.5 to 2.5	Pass
				-10	3.6	-4.392	-0.0017	-2.5 to 2.5	Pass
				0	3.6	-15.807	-0.0061	-2.5 to 2.5	Pass
				10	3.6	-13.919	-0.0054	-2.5 to 2.5	Pass
				30	3.6	-29.955	-0.0115	-2.5 to 2.5	Pass
				40	3.6	-32.973	-0.0127	-2.5 to 2.5	Pass
	50	3.6	-37.780	-0.0146	-2.5 to 2.5	Pass			
	2612.5	75	0	20	3.3	20.800	0.0080	-2.5 to 2.5	Pass
					3.6	12.302	0.0047	-2.5 to 2.5	Pass
					4.2	8.712	0.0033	-2.5 to 2.5	Pass
				-30	3.6	22.674	0.0087	-2.5 to 2.5	Pass
				-20	3.6	8.183	0.0031	-2.5 to 2.5	Pass
				-10	3.6	25.764	0.0099	-2.5 to 2.5	Pass
				0	3.6	15.192	0.0058	-2.5 to 2.5	Pass
				10	3.6	27.738	0.0106	-2.5 to 2.5	Pass
30				3.6	28.710	0.0110	-2.5 to 2.5	Pass	
40				3.6	27.523	0.0105	-2.5 to 2.5	Pass	
50	3.6	31.071	0.0119	-2.5 to 2.5	Pass				
16QAM	2577.5	75	0	20	3.3	8.469	0.0033	-2.5 to 2.5	Pass
					3.6	11.201	0.0043	-2.5 to 2.5	Pass
					4.2	-8.912	-0.0035	-2.5 to 2.5	Pass
				-30	3.6	14.749	0.0057	-2.5 to 2.5	Pass
				-20	3.6	21.386	0.0083	-2.5 to 2.5	Pass
				-10	3.6	2.804	0.0011	-2.5 to 2.5	Pass
				0	3.6	28.081	0.0109	-2.5 to 2.5	Pass
				10	3.6	12.875	0.0050	-2.5 to 2.5	Pass
				30	3.6	11.773	0.0046	-2.5 to 2.5	Pass
				40	3.6	17.409	0.0068	-2.5 to 2.5	Pass
	50	3.6	21.629	0.0084	-2.5 to 2.5	Pass			
	2595	75	0	20	3.3	-40.598	-0.0156	-2.5 to 2.5	Pass
					3.6	-26.965	-0.0104	-2.5 to 2.5	Pass
4.2					-37.694	-0.0145	-2.5 to 2.5	Pass	

				-30	3.6	-25.535	-0.0098	-2.5 to 2.5	Pass
				-20	3.6	-32.859	-0.0127	-2.5 to 2.5	Pass
				-10	3.6	-32.587	-0.0126	-2.5 to 2.5	Pass
				0	3.6	-28.696	-0.0111	-2.5 to 2.5	Pass
				10	3.6	-15.979	-0.0062	-2.5 to 2.5	Pass
				30	3.6	-23.031	-0.0089	-2.5 to 2.5	Pass
				40	3.6	-22.073	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-19.526	-0.0075	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.3	28.811	0.0110	-2.5 to 2.5	Pass
					3.6	33.145	0.0127	-2.5 to 2.5	Pass
					4.2	29.154	0.0112	-2.5 to 2.5	Pass
				-30	3.6	-15.421	-0.0059	-2.5 to 2.5	Pass
				-20	3.6	-18.654	-0.0071	-2.5 to 2.5	Pass
				-10	3.6	-15.206	-0.0058	-2.5 to 2.5	Pass
				0	3.6	4.663	0.0018	-2.5 to 2.5	Pass
				10	3.6	-0.386	-0.0001	-2.5 to 2.5	Pass
				30	3.6	3.219	0.0012	-2.5 to 2.5	Pass
				40	3.6	20.528	0.0079	-2.5 to 2.5	Pass
50	3.6	12.631	0.0048	-2.5 to 2.5	Pass				

## 2.4 B38\_20MHz

### 2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.3	-12.016	-0.0047	-2.5 to 2.5	Pass
					3.6	-2.432	-0.0009	-2.5 to 2.5	Pass
					4.2	-11.859	-0.0046	-2.5 to 2.5	Pass
				-30	3.6	-38.223	-0.0148	-2.5 to 2.5	Pass
				-20	3.6	-41.485	-0.0161	-2.5 to 2.5	Pass
				-10	3.6	-32.816	-0.0127	-2.5 to 2.5	Pass
				0	3.6	-59.266	-0.0230	-2.5 to 2.5	Pass
				10	3.6	-47.836	-0.0185	-2.5 to 2.5	Pass
				30	3.6	-47.207	-0.0183	-2.5 to 2.5	Pass
				40	3.6	-6.280	-0.0024	-2.5 to 2.5	Pass
				50	3.6	-14.791	-0.0057	-2.5 to 2.5	Pass
				2595	100	0	20	3.3	7.539
	3.6	20.199	0.0078					-2.5 to 2.5	Pass
	4.2	-0.315	-0.0001					-2.5 to 2.5	Pass
	-30	3.6	-8.111				-0.0031	-2.5 to 2.5	Pass
	-20	3.6	-19.112				-0.0074	-2.5 to 2.5	Pass
	-10	3.6	-14.548				-0.0056	-2.5 to 2.5	Pass
	0	3.6	-32.330				-0.0125	-2.5 to 2.5	Pass
	10	3.6	-30.055				-0.0116	-2.5 to 2.5	Pass
	30	3.6	-45.319				-0.0175	-2.5 to 2.5	Pass
	40	3.6	-40.154				-0.0155	-2.5 to 2.5	Pass
	50	3.6	-47.665				-0.0184	-2.5 to 2.5	Pass
	2610	100	0				20	3.3	-12.345
				3.6	16.980	0.0065		-2.5 to 2.5	Pass
				4.2	-2.804	-0.0011		-2.5 to 2.5	Pass
				-30	3.6	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.6	-3.948	-0.0015	-2.5 to 2.5	Pass
-10				3.6	16.952	0.0065	-2.5 to 2.5	Pass	

				0	3.6	15.564	0.0060	-2.5 to 2.5	Pass
				10	3.6	18.654	0.0071	-2.5 to 2.5	Pass
				30	3.6	21.029	0.0081	-2.5 to 2.5	Pass
				40	3.6	10.314	0.0040	-2.5 to 2.5	Pass
				50	3.6	10.386	0.0040	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.3	1.559	0.0006	-2.5 to 2.5	Pass
					3.6	-9.441	-0.0037	-2.5 to 2.5	Pass
					4.2	-6.495	-0.0025	-2.5 to 2.5	Pass
				-30	3.6	16.022	0.0062	-2.5 to 2.5	Pass
				-20	3.6	4.177	0.0016	-2.5 to 2.5	Pass
				-10	3.6	27.680	0.0107	-2.5 to 2.5	Pass
				0	3.6	31.600	0.0122	-2.5 to 2.5	Pass
				10	3.6	38.481	0.0149	-2.5 to 2.5	Pass
				30	3.6	37.107	0.0144	-2.5 to 2.5	Pass
				40	3.6	36.535	0.0142	-2.5 to 2.5	Pass
	50	3.6	22.044	0.0085	-2.5 to 2.5	Pass			
	2595	100	0	20	3.3	-29.325	-0.0113	-2.5 to 2.5	Pass
					3.6	-20.342	-0.0078	-2.5 to 2.5	Pass
					4.2	-13.676	-0.0053	-2.5 to 2.5	Pass
				-30	3.6	-15.564	-0.0060	-2.5 to 2.5	Pass
				-20	3.6	-1.259	-0.0005	-2.5 to 2.5	Pass
				-10	3.6	5.836	0.0022	-2.5 to 2.5	Pass
				0	3.6	-0.629	-0.0002	-2.5 to 2.5	Pass
				10	3.6	7.553	0.0029	-2.5 to 2.5	Pass
				30	3.6	11.444	0.0044	-2.5 to 2.5	Pass
				40	3.6	25.220	0.0097	-2.5 to 2.5	Pass
	50	3.6	30.112	0.0116	-2.5 to 2.5	Pass			
	2610	100	0	20	3.3	-2.031	-0.0008	-2.5 to 2.5	Pass
					3.6	-3.977	-0.0015	-2.5 to 2.5	Pass
					4.2	3.762	0.0014	-2.5 to 2.5	Pass
				-30	3.6	18.253	0.0070	-2.5 to 2.5	Pass
				-20	3.6	26.994	0.0103	-2.5 to 2.5	Pass
				-10	3.6	-33.245	-0.0127	-2.5 to 2.5	Pass
				0	3.6	-1.745	-0.0007	-2.5 to 2.5	Pass
				10	3.6	2.661	0.0010	-2.5 to 2.5	Pass
30				3.6	8.569	0.0033	-2.5 to 2.5	Pass	
40				3.6	19.898	0.0076	-2.5 to 2.5	Pass	
50	3.6	1.845	0.0007	-2.5 to 2.5	Pass				

### 3. Frequency Stability

#### 3.1 B4\_1.4MHz

##### 3.1.1 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	3.3	-27.609	-0.0161	-2.5 to 2.5	Pass
					3.6	-36.178	-0.0211	-2.5 to 2.5	Pass
					4.2	-28.067	-0.0164	-2.5 to 2.5	Pass
				-30	3.6	-32.673	-0.0191	-2.5 to 2.5	Pass
				-20	3.6	-22.445	-0.0131	-2.5 to 2.5	Pass
				-10	3.6	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.6	-23.718	-0.0139	-2.5 to 2.5	Pass
				10	3.6	-15.979	-0.0093	-2.5 to 2.5	Pass
				30	3.6	-14.448	-0.0084	-2.5 to 2.5	Pass
				40	3.6	-41.556	-0.0243	-2.5 to 2.5	Pass

	1732.5	6	0	50	3.6	-2.747	-0.0016	-2.5 to 2.5	Pass
				20	3.3	-12.803	-0.0074	-2.5 to 2.5	Pass
					3.6	-11.616	-0.0067	-2.5 to 2.5	Pass
					4.2	-19.798	-0.0114	-2.5 to 2.5	Pass
				-30	3.6	-35.276	-0.0204	-2.5 to 2.5	Pass
				-20	3.6	-22.330	-0.0129	-2.5 to 2.5	Pass
				-10	3.6	-25.392	-0.0147	-2.5 to 2.5	Pass
				0	3.6	-25.721	-0.0148	-2.5 to 2.5	Pass
				10	3.6	-20.714	-0.0120	-2.5 to 2.5	Pass
	30	3.6	2.804	0.0016	-2.5 to 2.5	Pass			
	40	3.6	-30.999	-0.0179	-2.5 to 2.5	Pass			
	50	3.6	-13.447	-0.0078	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.3	-3.104	-0.0018	-2.5 to 2.5	Pass
					3.6	-15.078	-0.0086	-2.5 to 2.5	Pass
					4.2	-23.475	-0.0134	-2.5 to 2.5	Pass
				-30	3.6	-31.214	-0.0178	-2.5 to 2.5	Pass
				-20	3.6	8.311	0.0047	-2.5 to 2.5	Pass
				-10	3.6	-1.230	-0.0007	-2.5 to 2.5	Pass
0				3.6	-15.278	-0.0087	-2.5 to 2.5	Pass	
10				3.6	-25.964	-0.0148	-2.5 to 2.5	Pass	
30				3.6	0.300	0.0002	-2.5 to 2.5	Pass	
40	3.6	-16.108	-0.0092	-2.5 to 2.5	Pass				
50	3.6	-26.622	-0.0152	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.3	-25.234	-0.0148	-2.5 to 2.5	Pass
					3.6	-27.223	-0.0159	-2.5 to 2.5	Pass
					4.2	-19.369	-0.0113	-2.5 to 2.5	Pass
				-30	3.6	-16.408	-0.0096	-2.5 to 2.5	Pass
				-20	3.6	-10.128	-0.0059	-2.5 to 2.5	Pass
				-10	3.6	-5.836	-0.0034	-2.5 to 2.5	Pass
				0	3.6	-34.547	-0.0202	-2.5 to 2.5	Pass
				10	3.6	-9.499	-0.0056	-2.5 to 2.5	Pass
				30	3.6	-36.693	-0.0214	-2.5 to 2.5	Pass
	40	3.6	-25.835	-0.0151	-2.5 to 2.5	Pass			
	50	3.6	-15.049	-0.0088	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.3	-28.481	-0.0164	-2.5 to 2.5	Pass
					3.6	-21.472	-0.0124	-2.5 to 2.5	Pass
					4.2	-24.433	-0.0141	-2.5 to 2.5	Pass
				-30	3.6	1.173	0.0007	-2.5 to 2.5	Pass
				-20	3.6	-19.712	-0.0114	-2.5 to 2.5	Pass
				-10	3.6	-28.825	-0.0166	-2.5 to 2.5	Pass
				0	3.6	-8.140	-0.0047	-2.5 to 2.5	Pass
10				3.6	-11.930	-0.0069	-2.5 to 2.5	Pass	
30				3.6	-24.562	-0.0142	-2.5 to 2.5	Pass	
40	3.6	-30.541	-0.0176	-2.5 to 2.5	Pass				
50	3.6	-34.890	-0.0201	-2.5 to 2.5	Pass				
1754.3	6	0	20	3.3	-7.424	-0.0042	-2.5 to 2.5	Pass	
				3.6	-16.479	-0.0094	-2.5 to 2.5	Pass	
				4.2	-22.817	-0.0130	-2.5 to 2.5	Pass	
			-30	3.6	-26.765	-0.0153	-2.5 to 2.5	Pass	
			-20	3.6	-33.774	-0.0193	-2.5 to 2.5	Pass	
			-10	3.6	-37.823	-0.0216	-2.5 to 2.5	Pass	
			0	3.6	-8.082	-0.0046	-2.5 to 2.5	Pass	
			10	3.6	-15.364	-0.0088	-2.5 to 2.5	Pass	
			30	3.6	-24.047	-0.0137	-2.5 to 2.5	Pass	
40	3.6	-34.947	-0.0199	-2.5 to 2.5	Pass				
50	3.6	-38.795	-0.0221	-2.5 to 2.5	Pass				



### 3.2 B4\_3MHz

#### 3.2.1 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	3.3	-16.608	-0.0097	-2.5 to 2.5	Pass
					3.6	-27.552	-0.0161	-2.5 to 2.5	Pass
					4.2	-10.514	-0.0061	-2.5 to 2.5	Pass
				-30	3.6	-20.299	-0.0119	-2.5 to 2.5	Pass
				-20	3.6	-23.532	-0.0137	-2.5 to 2.5	Pass
				-10	3.6	-27.723	-0.0162	-2.5 to 2.5	Pass
				0	3.6	-18.511	-0.0108	-2.5 to 2.5	Pass
				10	3.6	-9.413	-0.0055	-2.5 to 2.5	Pass
				30	3.6	-27.795	-0.0162	-2.5 to 2.5	Pass
				40	3.6	-21.758	-0.0127	-2.5 to 2.5	Pass
	50	3.6	-15.578	-0.0091	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.3	6.509	0.0038	-2.5 to 2.5	Pass
					3.6	-34.375	-0.0198	-2.5 to 2.5	Pass
					4.2	-10.386	-0.0060	-2.5 to 2.5	Pass
				-30	3.6	-4.649	-0.0027	-2.5 to 2.5	Pass
				-20	3.6	-10.643	-0.0061	-2.5 to 2.5	Pass
				-10	3.6	-28.038	-0.0162	-2.5 to 2.5	Pass
				0	3.6	-40.112	-0.0232	-2.5 to 2.5	Pass
				10	3.6	-34.719	-0.0200	-2.5 to 2.5	Pass
				30	3.6	-32.902	-0.0190	-2.5 to 2.5	Pass
				40	3.6	-34.461	-0.0199	-2.5 to 2.5	Pass
	50	3.6	-32.945	-0.0190	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.3	-8.154	-0.0047	-2.5 to 2.5	Pass
					3.6	-16.823	-0.0096	-2.5 to 2.5	Pass
					4.2	-21.486	-0.0123	-2.5 to 2.5	Pass
				-30	3.6	-17.080	-0.0097	-2.5 to 2.5	Pass
				-20	3.6	0.572	0.0003	-2.5 to 2.5	Pass
				-10	3.6	-34.962	-0.0199	-2.5 to 2.5	Pass
				0	3.6	-28.510	-0.0163	-2.5 to 2.5	Pass
				10	3.6	-22.931	-0.0131	-2.5 to 2.5	Pass
30				3.6	-8.283	-0.0047	-2.5 to 2.5	Pass	
40				3.6	-31.199	-0.0178	-2.5 to 2.5	Pass	
50	3.6	-10.371	-0.0059	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.3	-43.831	-0.0256	-2.5 to 2.5	Pass
					3.6	-10.457	-0.0061	-2.5 to 2.5	Pass
					4.2	-20.671	-0.0121	-2.5 to 2.5	Pass
				-30	3.6	-29.655	-0.0173	-2.5 to 2.5	Pass
				-20	3.6	5.565	0.0033	-2.5 to 2.5	Pass
				-10	3.6	-4.349	-0.0025	-2.5 to 2.5	Pass
				0	3.6	-20.027	-0.0117	-2.5 to 2.5	Pass
				10	3.6	-26.793	-0.0157	-2.5 to 2.5	Pass
				30	3.6	-40.483	-0.0237	-2.5 to 2.5	Pass
				40	3.6	-12.259	-0.0072	-2.5 to 2.5	Pass
	50	3.6	-19.827	-0.0116	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.3	-31.314	-0.0181	-2.5 to 2.5	Pass
					3.6	-5.651	-0.0033	-2.5 to 2.5	Pass
					4.2	-26.736	-0.0154	-2.5 to 2.5	Pass
				-30	3.6	-40.255	-0.0232	-2.5 to 2.5	Pass
				-20	3.6	-16.551	-0.0096	-2.5 to 2.5	Pass

				-10	3.6	-33.116	-0.0191	-2.5 to 2.5	Pass
				0	3.6	-8.268	-0.0048	-2.5 to 2.5	Pass
				10	3.6	-26.979	-0.0156	-2.5 to 2.5	Pass
				30	3.6	-39.740	-0.0229	-2.5 to 2.5	Pass
				40	3.6	-2.246	-0.0013	-2.5 to 2.5	Pass
				50	3.6	-19.441	-0.0112	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.3	-28.281	-0.0161	-2.5 to 2.5	Pass
					3.6	-7.739	-0.0044	-2.5 to 2.5	Pass
					4.2	-12.016	-0.0069	-2.5 to 2.5	Pass
				-30	3.6	-17.810	-0.0102	-2.5 to 2.5	Pass
				-20	3.6	-24.219	-0.0138	-2.5 to 2.5	Pass
				-10	3.6	-28.410	-0.0162	-2.5 to 2.5	Pass
				0	3.6	-31.428	-0.0179	-2.5 to 2.5	Pass
				10	3.6	-35.548	-0.0203	-2.5 to 2.5	Pass
				30	3.6	-40.569	-0.0231	-2.5 to 2.5	Pass
				40	3.6	4.120	0.0023	-2.5 to 2.5	Pass
				50	3.6	1.359	0.0008	-2.5 to 2.5	Pass

### 3.3 B4\_5MHz

#### 3.3.1 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	3.3	13.289	0.0078	-2.5 to 2.5	Pass
					3.6	-4.120	-0.0024	-2.5 to 2.5	Pass
					4.2	-18.511	-0.0108	-2.5 to 2.5	Pass
				-30	3.6	-36.535	-0.0213	-2.5 to 2.5	Pass
				-20	3.6	-15.650	-0.0091	-2.5 to 2.5	Pass
				-10	3.6	-29.926	-0.0175	-2.5 to 2.5	Pass
				0	3.6	-34.733	-0.0203	-2.5 to 2.5	Pass
				10	3.6	-5.336	-0.0031	-2.5 to 2.5	Pass
				30	3.6	-18.740	-0.0109	-2.5 to 2.5	Pass
				40	3.6	-32.330	-0.0189	-2.5 to 2.5	Pass
				50	3.6	-43.044	-0.0251	-2.5 to 2.5	Pass
				1732.5	25	0	20	3.3	16.651
	3.6	-19.484	-0.0112					-2.5 to 2.5	Pass
	4.2	-20.614	-0.0119					-2.5 to 2.5	Pass
	-30	3.6	0.129				0.0001	-2.5 to 2.5	Pass
	-20	3.6	-23.046				-0.0133	-2.5 to 2.5	Pass
	-10	3.6	-32.873				-0.0190	-2.5 to 2.5	Pass
	0	3.6	-22.230				-0.0128	-2.5 to 2.5	Pass
	10	3.6	-4.463				-0.0026	-2.5 to 2.5	Pass
	30	3.6	-29.597				-0.0171	-2.5 to 2.5	Pass
	40	3.6	-30.942				-0.0179	-2.5 to 2.5	Pass
	50	3.6	-19.999				-0.0115	-2.5 to 2.5	Pass
	1752.5	25	0				20	3.3	3.948
				3.6	17.810	0.0102		-2.5 to 2.5	Pass
				4.2	16.537	0.0094		-2.5 to 2.5	Pass
				-30	3.6	9.484	0.0054	-2.5 to 2.5	Pass
				-20	3.6	24.333	0.0139	-2.5 to 2.5	Pass
				-10	3.6	36.035	0.0206	-2.5 to 2.5	Pass
				0	3.6	20.456	0.0117	-2.5 to 2.5	Pass
				10	3.6	31.099	0.0177	-2.5 to 2.5	Pass

				30	3.6	38.152	0.0218	-2.5 to 2.5	Pass
				40	3.6	6.237	0.0036	-2.5 to 2.5	Pass
				50	3.6	13.161	0.0075	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.3	-2.117	-0.0012	-2.5 to 2.5	Pass
					3.6	-3.133	-0.0018	-2.5 to 2.5	Pass
					4.2	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.6	-2.031	-0.0012	-2.5 to 2.5	Pass
				-20	3.6	0.486	0.0003	-2.5 to 2.5	Pass
				-10	3.6	-0.715	-0.0004	-2.5 to 2.5	Pass
				0	3.6	-0.615	-0.0004	-2.5 to 2.5	Pass
				10	3.6	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.6	-2.890	-0.0017	-2.5 to 2.5	Pass
				40	3.6	-4.978	-0.0029	-2.5 to 2.5	Pass
	50	3.6	-5.322	-0.0031	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.3	-11.101	-0.0064	-2.5 to 2.5	Pass
					3.6	-27.123	-0.0157	-2.5 to 2.5	Pass
					4.2	-36.893	-0.0213	-2.5 to 2.5	Pass
				-30	3.6	-13.132	-0.0076	-2.5 to 2.5	Pass
				-20	3.6	-21.844	-0.0126	-2.5 to 2.5	Pass
				-10	3.6	-31.314	-0.0181	-2.5 to 2.5	Pass
				0	3.6	-2.975	-0.0017	-2.5 to 2.5	Pass
				10	3.6	-2.990	-0.0017	-2.5 to 2.5	Pass
				30	3.6	-11.644	-0.0067	-2.5 to 2.5	Pass
				40	3.6	-23.818	-0.0137	-2.5 to 2.5	Pass
	50	3.6	-34.418	-0.0199	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.3	18.725	0.0107	-2.5 to 2.5	Pass
					3.6	20.828	0.0119	-2.5 to 2.5	Pass
					4.2	30.656	0.0175	-2.5 to 2.5	Pass
				-30	3.6	6.638	0.0038	-2.5 to 2.5	Pass
				-20	3.6	12.946	0.0074	-2.5 to 2.5	Pass
				-10	3.6	18.911	0.0108	-2.5 to 2.5	Pass
				0	3.6	27.566	0.0157	-2.5 to 2.5	Pass
				10	3.6	35.119	0.0200	-2.5 to 2.5	Pass
30				3.6	-6.151	-0.0035	-2.5 to 2.5	Pass	
40				3.6	-1.574	-0.0009	-2.5 to 2.5	Pass	
50	3.6	3.734	0.0021	-2.5 to 2.5	Pass				

### 3.4 B4\_10MHz

#### 3.4.1 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	3.3	18.082	0.0105	-2.5 to 2.5	Pass
					3.6	10.557	0.0062	-2.5 to 2.5	Pass
					4.2	-6.423	-0.0037	-2.5 to 2.5	Pass
				-30	3.6	-18.840	-0.0110	-2.5 to 2.5	Pass
				-20	3.6	-31.013	-0.0181	-2.5 to 2.5	Pass
				-10	3.6	-5.250	-0.0031	-2.5 to 2.5	Pass
				0	3.6	-15.979	-0.0093	-2.5 to 2.5	Pass
				10	3.6	-27.537	-0.0161	-2.5 to 2.5	Pass
				30	3.6	-33.917	-0.0198	-2.5 to 2.5	Pass
				40	3.6	-10.128	-0.0059	-2.5 to 2.5	Pass
50	3.6	3.333	0.0019	-2.5 to 2.5	Pass				

	1732.5	50	0	20	3.3	22.144	0.0128	-2.5 to 2.5	Pass
					3.6	-14.863	-0.0086	-2.5 to 2.5	Pass
					4.2	-15.764	-0.0091	-2.5 to 2.5	Pass
				-30	3.6	-26.979	-0.0156	-2.5 to 2.5	Pass
				-20	3.6	-15.821	-0.0091	-2.5 to 2.5	Pass
				-10	3.6	-28.296	-0.0163	-2.5 to 2.5	Pass
				0	3.6	-9.341	-0.0054	-2.5 to 2.5	Pass
				10	3.6	-38.438	-0.0222	-2.5 to 2.5	Pass
				30	3.6	-25.234	-0.0146	-2.5 to 2.5	Pass
	40	3.6	-13.204	-0.0076	-2.5 to 2.5	Pass			
	50	3.6	-35.534	-0.0205	-2.5 to 2.5	Pass			
	1750	50	0	20	3.3	29.082	0.0166	-2.5 to 2.5	Pass
					3.6	9.441	0.0054	-2.5 to 2.5	Pass
					4.2	27.738	0.0159	-2.5 to 2.5	Pass
				-30	3.6	42.930	0.0245	-2.5 to 2.5	Pass
				-20	3.6	4.020	0.0023	-2.5 to 2.5	Pass
				-10	3.6	15.650	0.0089	-2.5 to 2.5	Pass
				0	3.6	25.105	0.0143	-2.5 to 2.5	Pass
10				3.6	33.288	0.0190	-2.5 to 2.5	Pass	
30				3.6	41.027	0.0234	-2.5 to 2.5	Pass	
40	3.6	11.816	0.0068	-2.5 to 2.5	Pass				
50	3.6	16.994	0.0097	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.3	-2.289	-0.0013	-2.5 to 2.5	Pass
					3.6	1.431	0.0008	-2.5 to 2.5	Pass
					4.2	5.522	0.0032	-2.5 to 2.5	Pass
				-30	3.6	8.726	0.0051	-2.5 to 2.5	Pass
				-20	3.6	13.905	0.0081	-2.5 to 2.5	Pass
				-10	3.6	16.594	0.0097	-2.5 to 2.5	Pass
				0	3.6	18.740	0.0109	-2.5 to 2.5	Pass
				10	3.6	14.305	0.0083	-2.5 to 2.5	Pass
				30	3.6	16.336	0.0095	-2.5 to 2.5	Pass
	40	3.6	14.706	0.0086	-2.5 to 2.5	Pass			
	50	3.6	14.191	0.0083	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.3	-19.498	-0.0113	-2.5 to 2.5	Pass
					3.6	-32.887	-0.0190	-2.5 to 2.5	Pass
					4.2	-35.419	-0.0204	-2.5 to 2.5	Pass
				-30	3.6	-4.592	-0.0027	-2.5 to 2.5	Pass
				-20	3.6	-9.484	-0.0055	-2.5 to 2.5	Pass
				-10	3.6	-15.278	-0.0088	-2.5 to 2.5	Pass
				0	3.6	-22.445	-0.0130	-2.5 to 2.5	Pass
10				3.6	-27.509	-0.0159	-2.5 to 2.5	Pass	
30				3.6	-34.261	-0.0198	-2.5 to 2.5	Pass	
40	3.6	-39.582	-0.0228	-2.5 to 2.5	Pass				
50	3.6	0.672	0.0004	-2.5 to 2.5	Pass				
1750	50	0	20	3.3	21.830	0.0125	-2.5 to 2.5	Pass	
				3.6	33.531	0.0192	-2.5 to 2.5	Pass	
				4.2	18.997	0.0109	-2.5 to 2.5	Pass	
			-30	3.6	7.024	0.0040	-2.5 to 2.5	Pass	
			-20	3.6	19.441	0.0111	-2.5 to 2.5	Pass	
			-10	3.6	28.481	0.0163	-2.5 to 2.5	Pass	
			0	3.6	34.990	0.0200	-2.5 to 2.5	Pass	
			10	3.6	8.082	0.0046	-2.5 to 2.5	Pass	
			30	3.6	15.464	0.0088	-2.5 to 2.5	Pass	
40	3.6	23.332	0.0133	-2.5 to 2.5	Pass				
50	3.6	31.514	0.0180	-2.5 to 2.5	Pass				

### 3.5 B4\_15MHz

#### 3.5.1 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	3.3	22.860	0.0133	-2.5 to 2.5	Pass
					3.6	4.148	0.0024	-2.5 to 2.5	Pass
					4.2	-25.206	-0.0147	-2.5 to 2.5	Pass
				-30	3.6	-20.356	-0.0119	-2.5 to 2.5	Pass
				-20	3.6	9.685	0.0056	-2.5 to 2.5	Pass
				-10	3.6	-6.337	-0.0037	-2.5 to 2.5	Pass
				0	3.6	-16.637	-0.0097	-2.5 to 2.5	Pass
				10	3.6	-30.742	-0.0179	-2.5 to 2.5	Pass
				30	3.6	-36.435	-0.0212	-2.5 to 2.5	Pass
				40	3.6	-9.484	-0.0055	-2.5 to 2.5	Pass
	50	3.6	-18.969	-0.0110	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.3	20.657	0.0119	-2.5 to 2.5	Pass
					3.6	-10.328	-0.0060	-2.5 to 2.5	Pass
					4.2	-28.281	-0.0163	-2.5 to 2.5	Pass
				-30	3.6	-9.756	-0.0056	-2.5 to 2.5	Pass
				-20	3.6	-35.863	-0.0207	-2.5 to 2.5	Pass
				-10	3.6	-26.164	-0.0151	-2.5 to 2.5	Pass
				0	3.6	-4.206	-0.0024	-2.5 to 2.5	Pass
				10	3.6	-22.116	-0.0128	-2.5 to 2.5	Pass
				30	3.6	7.510	0.0043	-2.5 to 2.5	Pass
				40	3.6	-8.883	-0.0051	-2.5 to 2.5	Pass
	50	3.6	-26.307	-0.0152	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.3	13.618	0.0078	-2.5 to 2.5	Pass
					3.6	28.925	0.0166	-2.5 to 2.5	Pass
					4.2	-6.294	-0.0036	-2.5 to 2.5	Pass
				-30	3.6	2.189	0.0013	-2.5 to 2.5	Pass
				-20	3.6	8.554	0.0049	-2.5 to 2.5	Pass
				-10	3.6	17.724	0.0101	-2.5 to 2.5	Pass
				0	3.6	25.206	0.0144	-2.5 to 2.5	Pass
				10	3.6	32.516	0.0186	-2.5 to 2.5	Pass
30				3.6	35.663	0.0204	-2.5 to 2.5	Pass	
40				3.6	36.392	0.0208	-2.5 to 2.5	Pass	
50	3.6	38.953	0.0223	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.3	-27.137	-0.0158	-2.5 to 2.5	Pass
					3.6	-20.914	-0.0122	-2.5 to 2.5	Pass
					4.2	-15.063	-0.0088	-2.5 to 2.5	Pass
				-30	3.6	-9.427	-0.0055	-2.5 to 2.5	Pass
				-20	3.6	-6.595	-0.0038	-2.5 to 2.5	Pass
				-10	3.6	-6.037	-0.0035	-2.5 to 2.5	Pass
				0	3.6	-5.751	-0.0033	-2.5 to 2.5	Pass
				10	3.6	-5.708	-0.0033	-2.5 to 2.5	Pass
				30	3.6	-2.389	-0.0014	-2.5 to 2.5	Pass
				40	3.6	-1.960	-0.0011	-2.5 to 2.5	Pass
	50	3.6	-1.101	-0.0006	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.3	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.6	-5.436	-0.0031	-2.5 to 2.5	Pass
					4.2	-7.267	-0.0042	-2.5 to 2.5	Pass
				-30	3.6	-10.543	-0.0061	-2.5 to 2.5	Pass
				-20	3.6	-12.975	-0.0075	-2.5 to 2.5	Pass

				-10	3.6	-15.407	-0.0089	-2.5 to 2.5	Pass
				0	3.6	-19.627	-0.0113	-2.5 to 2.5	Pass
				10	3.6	-24.862	-0.0144	-2.5 to 2.5	Pass
				30	3.6	-28.124	-0.0162	-2.5 to 2.5	Pass
				40	3.6	-36.578	-0.0211	-2.5 to 2.5	Pass
				50	3.6	-3.862	-0.0022	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	13.289	0.0076	-2.5 to 2.5	Pass
					3.6	25.220	0.0144	-2.5 to 2.5	Pass
					4.2	36.907	0.0211	-2.5 to 2.5	Pass
				-30	3.6	10.686	0.0061	-2.5 to 2.5	Pass
				-20	3.6	21.372	0.0122	-2.5 to 2.5	Pass
				-10	3.6	27.194	0.0156	-2.5 to 2.5	Pass
				0	3.6	35.949	0.0206	-2.5 to 2.5	Pass
				10	3.6	8.583	0.0049	-2.5 to 2.5	Pass
				30	3.6	16.351	0.0094	-2.5 to 2.5	Pass
				40	3.6	21.558	0.0123	-2.5 to 2.5	Pass
				50	3.6	26.636	0.0152	-2.5 to 2.5	Pass

### 3.6 B4\_20MHz

#### 3.6.1 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	3.3	15.521	0.0090	-2.5 to 2.5	Pass
					3.6	-14.319	-0.0083	-2.5 to 2.5	Pass
					4.2	-26.808	-0.0156	-2.5 to 2.5	Pass
				-30	3.6	-21.214	-0.0123	-2.5 to 2.5	Pass
				-20	3.6	-21.601	-0.0126	-2.5 to 2.5	Pass
				-10	3.6	-7.610	-0.0044	-2.5 to 2.5	Pass
				0	3.6	-20.456	-0.0119	-2.5 to 2.5	Pass
				10	3.6	-32.158	-0.0187	-2.5 to 2.5	Pass
				30	3.6	-22.588	-0.0131	-2.5 to 2.5	Pass
				40	3.6	-14.534	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-30.055	-0.0175	-2.5 to 2.5	Pass
				1732.5	100	0	20	3.3	26.636
	3.6	1.073	0.0006					-2.5 to 2.5	Pass
	4.2	-26.622	-0.0154					-2.5 to 2.5	Pass
	-30	3.6	-24.905				-0.0144	-2.5 to 2.5	Pass
	-20	3.6	-19.927				-0.0115	-2.5 to 2.5	Pass
	-10	3.6	-11.802				-0.0068	-2.5 to 2.5	Pass
	0	3.6	-28.567				-0.0165	-2.5 to 2.5	Pass
	10	3.6	-33.646				-0.0194	-2.5 to 2.5	Pass
	30	3.6	-17.352				-0.0100	-2.5 to 2.5	Pass
	40	3.6	-33.817				-0.0195	-2.5 to 2.5	Pass
	50	3.6	-34.060				-0.0197	-2.5 to 2.5	Pass
	1745	100	0				20	3.3	24.104
				3.6	31.672	0.0182		-2.5 to 2.5	Pass
				4.2	19.641	0.0113		-2.5 to 2.5	Pass
				-30	3.6	4.978	0.0029	-2.5 to 2.5	Pass
				-20	3.6	8.039	0.0046	-2.5 to 2.5	Pass
				-10	3.6	8.798	0.0050	-2.5 to 2.5	Pass
				0	3.6	14.162	0.0081	-2.5 to 2.5	Pass
				10	3.6	15.492	0.0089	-2.5 to 2.5	Pass

				30	3.6	13.275	0.0076	-2.5 to 2.5	Pass
				40	3.6	17.338	0.0099	-2.5 to 2.5	Pass
				50	3.6	17.796	0.0102	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.3	-38.309	-0.0223	-2.5 to 2.5	Pass
					3.6	-34.575	-0.0201	-2.5 to 2.5	Pass
					4.2	-29.840	-0.0173	-2.5 to 2.5	Pass
				-30	3.6	-27.065	-0.0157	-2.5 to 2.5	Pass
				-20	3.6	-24.619	-0.0143	-2.5 to 2.5	Pass
				-10	3.6	-23.704	-0.0138	-2.5 to 2.5	Pass
				0	3.6	-22.917	-0.0133	-2.5 to 2.5	Pass
				10	3.6	-21.772	-0.0127	-2.5 to 2.5	Pass
				30	3.6	-21.701	-0.0126	-2.5 to 2.5	Pass
				40	3.6	-24.376	-0.0142	-2.5 to 2.5	Pass
	50	3.6	-22.416	-0.0130	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.3	-17.180	-0.0099	-2.5 to 2.5	Pass
					3.6	-15.063	-0.0087	-2.5 to 2.5	Pass
					4.2	-14.963	-0.0086	-2.5 to 2.5	Pass
				-30	3.6	-15.364	-0.0089	-2.5 to 2.5	Pass
				-20	3.6	-12.846	-0.0074	-2.5 to 2.5	Pass
				-10	3.6	-15.135	-0.0087	-2.5 to 2.5	Pass
				0	3.6	-15.507	-0.0090	-2.5 to 2.5	Pass
				10	3.6	-19.970	-0.0115	-2.5 to 2.5	Pass
				30	3.6	-20.857	-0.0120	-2.5 to 2.5	Pass
				40	3.6	-23.875	-0.0138	-2.5 to 2.5	Pass
	50	3.6	-27.738	-0.0160	-2.5 to 2.5	Pass			
	1745	100	0	20	3.3	18.024	0.0103	-2.5 to 2.5	Pass
					3.6	32.144	0.0184	-2.5 to 2.5	Pass
					4.2	33.417	0.0192	-2.5 to 2.5	Pass
				-30	3.6	12.403	0.0071	-2.5 to 2.5	Pass
				-20	3.6	20.857	0.0120	-2.5 to 2.5	Pass
				-10	3.6	27.509	0.0158	-2.5 to 2.5	Pass
				0	3.6	29.554	0.0169	-2.5 to 2.5	Pass
				10	3.6	35.505	0.0203	-2.5 to 2.5	Pass
30				3.6	39.811	0.0228	-2.5 to 2.5	Pass	
40				3.6	42.601	0.0244	-2.5 to 2.5	Pass	
50	3.6	10.672	0.0061	-2.5 to 2.5	Pass				

## 4. Frequency Stability

### 4.1 B5\_1.4MHz

#### 4.1.1 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	3.3	-10.829	-0.0131	-2.5 to 2.5	Pass
					3.6	-44.475	-0.0539	-2.5 to 2.5	Pass
					4.2	-25.520	-0.0309	-2.5 to 2.5	Pass
				-30	3.6	-9.155	-0.0111	-2.5 to 2.5	Pass
				-20	3.6	-44.460	-0.0539	-2.5 to 2.5	Pass
				-10	3.6	-26.464	-0.0321	-2.5 to 2.5	Pass
				0	3.6	-14.048	-0.0170	-2.5 to 2.5	Pass
				10	3.6	-41.785	-0.0507	-2.5 to 2.5	Pass

	836.5	6	0	30	3.6	-20.757	-0.0252	-2.5 to 2.5	Pass				
				40	3.6	-45.691	-0.0554	-2.5 to 2.5	Pass				
				50	3.6	-22.917	-0.0278	-2.5 to 2.5	Pass				
				20	3.3	7.854	0.0094	-2.5 to 2.5	Pass				
					3.6	-38.610	-0.0462	-2.5 to 2.5	Pass				
					4.2	-33.102	-0.0396	-2.5 to 2.5	Pass				
				-30	3.6	-27.967	-0.0334	-2.5 to 2.5	Pass				
				-20	3.6	-29.054	-0.0347	-2.5 to 2.5	Pass				
				-10	3.6	-22.030	-0.0263	-2.5 to 2.5	Pass				
				0	3.6	-11.873	-0.0142	-2.5 to 2.5	Pass				
				10	3.6	-47.736	-0.0571	-2.5 to 2.5	Pass				
				30	3.6	-31.872	-0.0381	-2.5 to 2.5	Pass				
				40	3.6	-14.334	-0.0171	-2.5 to 2.5	Pass				
				50	3.6	-45.533	-0.0544	-2.5 to 2.5	Pass				
				848.3	6	0	20	3.3	-20.585	-0.0243	-2.5 to 2.5	Pass	
	3.6	-7.610	-0.0090					-2.5 to 2.5	Pass				
	4.2	-45.977	-0.0542					-2.5 to 2.5	Pass				
	-30	3.6	-34.246				-0.0404	-2.5 to 2.5	Pass				
	-20	3.6	-18.969				-0.0224	-2.5 to 2.5	Pass				
	-10	3.6	-12.746				-0.0150	-2.5 to 2.5	Pass				
	0	3.6	-30.770				-0.0363	-2.5 to 2.5	Pass				
	10	3.6	-32.573				-0.0384	-2.5 to 2.5	Pass				
	30	3.6	-15.092				-0.0178	-2.5 to 2.5	Pass				
	40	3.6	-44.289				-0.0522	-2.5 to 2.5	Pass				
	50	3.6	-30.899				-0.0364	-2.5 to 2.5	Pass				
	16QAM	824.7	6				0	20	3.3	0.486	0.0006	-2.5 to 2.5	Pass
									3.6	-19.555	-0.0237	-2.5 to 2.5	Pass
									4.2	-40.727	-0.0494	-2.5 to 2.5	Pass
								-30	3.6	-10.285	-0.0125	-2.5 to 2.5	Pass
				-20	3.6	-26.565		-0.0322	-2.5 to 2.5	Pass			
-10				3.6	-42.772	-0.0519		-2.5 to 2.5	Pass				
0				3.6	-16.723	-0.0203		-2.5 to 2.5	Pass				
10				3.6	-29.783	-0.0361		-2.5 to 2.5	Pass				
30				3.6	-16.894	-0.0205		-2.5 to 2.5	Pass				
40				3.6	-11.387	-0.0138		-2.5 to 2.5	Pass				
50				3.6	-23.603	-0.0286		-2.5 to 2.5	Pass				
836.5				6	0	20		3.3	-32.601	-0.0390	-2.5 to 2.5	Pass	
								3.6	-11.115	-0.0133	-2.5 to 2.5	Pass	
								4.2	-37.007	-0.0442	-2.5 to 2.5	Pass	
						-30		3.6	-12.016	-0.0144	-2.5 to 2.5	Pass	
		-20	3.6			-32.144	-0.0384	-2.5 to 2.5	Pass				
		-10	3.6			-4.206	-0.0050	-2.5 to 2.5	Pass				
		0	3.6			-22.888	-0.0274	-2.5 to 2.5	Pass				
		10	3.6			-41.714	-0.0499	-2.5 to 2.5	Pass				
		30	3.6			-9.069	-0.0108	-2.5 to 2.5	Pass				
		40	3.6			-27.423	-0.0328	-2.5 to 2.5	Pass				
		50	3.6			-43.688	-0.0522	-2.5 to 2.5	Pass				
		848.3	6			0	20	3.3	-8.054	-0.0095	-2.5 to 2.5	Pass	
								3.6	-32.315	-0.0381	-2.5 to 2.5	Pass	
								4.2	-5.450	-0.0064	-2.5 to 2.5	Pass	
							-30	3.6	-26.164	-0.0308	-2.5 to 2.5	Pass	
-20				3.6	-32.272		-0.0380	-2.5 to 2.5	Pass				
-10				3.6	-18.826		-0.0222	-2.5 to 2.5	Pass				
0				3.6	-38.137		-0.0450	-2.5 to 2.5	Pass				
10				3.6	-4.978		-0.0059	-2.5 to 2.5	Pass				
30	3.6			-20.485	-0.0241		-2.5 to 2.5	Pass					
40	3.6			-36.449	-0.0430		-2.5 to 2.5	Pass					
50	3.6			-2.847	-0.0034		-2.5 to 2.5	Pass					



## 4.2 B5\_3MHz

### 4.2.1 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	3.3	-18.611	-0.0225	-2.5 to 2.5	Pass
					3.6	-9.184	-0.0111	-2.5 to 2.5	Pass
					4.2	-37.880	-0.0459	-2.5 to 2.5	Pass
				-30	3.6	-23.689	-0.0287	-2.5 to 2.5	Pass
				-20	3.6	-11.215	-0.0136	-2.5 to 2.5	Pass
				-10	3.6	-36.621	-0.0444	-2.5 to 2.5	Pass
				0	3.6	-35.706	-0.0433	-2.5 to 2.5	Pass
				10	3.6	-15.850	-0.0192	-2.5 to 2.5	Pass
				30	3.6	-42.272	-0.0512	-2.5 to 2.5	Pass
				40	3.6	-19.541	-0.0237	-2.5 to 2.5	Pass
	50	3.6	-43.602	-0.0528	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.3	-4.220	-0.0050	-2.5 to 2.5	Pass
					3.6	-10.800	-0.0129	-2.5 to 2.5	Pass
					4.2	-23.046	-0.0276	-2.5 to 2.5	Pass
				-30	3.6	-38.109	-0.0456	-2.5 to 2.5	Pass
				-20	3.6	-6.495	-0.0078	-2.5 to 2.5	Pass
				-10	3.6	-19.469	-0.0233	-2.5 to 2.5	Pass
				0	3.6	-34.733	-0.0415	-2.5 to 2.5	Pass
				10	3.6	-21.601	-0.0258	-2.5 to 2.5	Pass
				30	3.6	-9.584	-0.0115	-2.5 to 2.5	Pass
				40	3.6	-22.445	-0.0268	-2.5 to 2.5	Pass
	50	3.6	-34.919	-0.0417	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.3	7.424	0.0088	-2.5 to 2.5	Pass
					3.6	0.944	0.0011	-2.5 to 2.5	Pass
					4.2	-12.646	-0.0149	-2.5 to 2.5	Pass
				-30	3.6	-24.834	-0.0293	-2.5 to 2.5	Pass
				-20	3.6	-36.149	-0.0427	-2.5 to 2.5	Pass
				-10	3.6	-34.304	-0.0405	-2.5 to 2.5	Pass
				0	3.6	-15.206	-0.0179	-2.5 to 2.5	Pass
				10	3.6	-26.650	-0.0314	-2.5 to 2.5	Pass
30				3.6	-35.877	-0.0423	-2.5 to 2.5	Pass	
40				3.6	-31.672	-0.0374	-2.5 to 2.5	Pass	
50	3.6	-6.394	-0.0075	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.3	-23.189	-0.0281	-2.5 to 2.5	Pass
					3.6	-44.904	-0.0544	-2.5 to 2.5	Pass
					4.2	-17.667	-0.0214	-2.5 to 2.5	Pass
				-30	3.6	-36.778	-0.0446	-2.5 to 2.5	Pass
				-20	3.6	-3.419	-0.0041	-2.5 to 2.5	Pass
				-10	3.6	-19.197	-0.0233	-2.5 to 2.5	Pass
				0	3.6	-35.119	-0.0425	-2.5 to 2.5	Pass
				10	3.6	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	3.6	-14.391	-0.0174	-2.5 to 2.5	Pass
				40	3.6	-27.251	-0.0330	-2.5 to 2.5	Pass
	50	3.6	-41.099	-0.0498	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.3	-29.111	-0.0348	-2.5 to 2.5	Pass
					3.6	-10.014	-0.0120	-2.5 to 2.5	Pass
4.2					-20.456	-0.0245	-2.5 to 2.5	Pass	

				-30	3.6	-28.911	-0.0346	-2.5 to 2.5	Pass
				-20	3.6	-36.035	-0.0431	-2.5 to 2.5	Pass
				-10	3.6	-44.389	-0.0531	-2.5 to 2.5	Pass
				0	3.6	-2.718	-0.0032	-2.5 to 2.5	Pass
				10	3.6	-10.672	-0.0128	-2.5 to 2.5	Pass
				30	3.6	-17.982	-0.0215	-2.5 to 2.5	Pass
				40	3.6	-24.576	-0.0294	-2.5 to 2.5	Pass
	50	3.6	-31.586	-0.0378	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.3	-18.282	-0.0216	-2.5 to 2.5	Pass
					3.6	-25.735	-0.0304	-2.5 to 2.5	Pass
					4.2	-32.086	-0.0379	-2.5 to 2.5	Pass
				-30	3.6	-38.595	-0.0455	-2.5 to 2.5	Pass
				-20	3.6	-45.404	-0.0536	-2.5 to 2.5	Pass
				-10	3.6	-1.931	-0.0023	-2.5 to 2.5	Pass
				0	3.6	-8.140	-0.0096	-2.5 to 2.5	Pass
				10	3.6	-14.291	-0.0169	-2.5 to 2.5	Pass
				30	3.6	-20.356	-0.0240	-2.5 to 2.5	Pass
				40	3.6	-27.480	-0.0324	-2.5 to 2.5	Pass
				50	3.6	-31.314	-0.0369	-2.5 to 2.5	Pass

### 4.3 B5\_5MHz

#### 4.3.1 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	3.3	28.296	0.0342	-2.5 to 2.5	Pass
					3.6	28.725	0.0348	-2.5 to 2.5	Pass
					4.2	24.805	0.0300	-2.5 to 2.5	Pass
				-30	3.6	18.840	0.0228	-2.5 to 2.5	Pass
				-20	3.6	12.431	0.0150	-2.5 to 2.5	Pass
				-10	3.6	5.236	0.0063	-2.5 to 2.5	Pass
				0	3.6	0.186	0.0002	-2.5 to 2.5	Pass
				10	3.6	-7.381	-0.0089	-2.5 to 2.5	Pass
				30	3.6	-12.760	-0.0154	-2.5 to 2.5	Pass
				40	3.6	-20.628	-0.0250	-2.5 to 2.5	Pass
				50	3.6	-27.323	-0.0331	-2.5 to 2.5	Pass
				836.5	25	0	20	3.3	7.911
	3.6	5.779	0.0069					-2.5 to 2.5	Pass
	4.2	2.160	0.0026					-2.5 to 2.5	Pass
	-30	3.6	-3.247				-0.0039	-2.5 to 2.5	Pass
	-20	3.6	-8.183				-0.0098	-2.5 to 2.5	Pass
	-10	3.6	-11.301				-0.0135	-2.5 to 2.5	Pass
	0	3.6	-16.923				-0.0202	-2.5 to 2.5	Pass
	10	3.6	-21.958				-0.0262	-2.5 to 2.5	Pass
	30	3.6	-26.321				-0.0315	-2.5 to 2.5	Pass
	40	3.6	-32.473				-0.0388	-2.5 to 2.5	Pass
	50	3.6	-36.678				-0.0438	-2.5 to 2.5	Pass
	846.5	25	0				20	3.3	8.168
				3.6	7.081	0.0084		-2.5 to 2.5	Pass
				4.2	1.731	0.0020		-2.5 to 2.5	Pass
				-30	3.6	-3.133	-0.0037	-2.5 to 2.5	Pass
				-20	3.6	-8.211	-0.0097	-2.5 to 2.5	Pass
				-10	3.6	-14.691	-0.0174	-2.5 to 2.5	Pass

				0	3.6	-19.083	-0.0225	-2.5 to 2.5	Pass
				10	3.6	-24.991	-0.0295	-2.5 to 2.5	Pass
				30	3.6	-31.400	-0.0371	-2.5 to 2.5	Pass
				40	3.6	-36.922	-0.0436	-2.5 to 2.5	Pass
				50	3.6	-40.655	-0.0480	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.3	-33.617	-0.0407	-2.5 to 2.5	Pass
					3.6	-38.524	-0.0466	-2.5 to 2.5	Pass
					4.2	-42.472	-0.0514	-2.5 to 2.5	Pass
				-30	3.6	-45.805	-0.0554	-2.5 to 2.5	Pass
				-20	3.6	-44.775	-0.0542	-2.5 to 2.5	Pass
				-10	3.6	-7.195	-0.0087	-2.5 to 2.5	Pass
				0	3.6	-11.587	-0.0140	-2.5 to 2.5	Pass
				10	3.6	-15.106	-0.0183	-2.5 to 2.5	Pass
				30	3.6	-16.837	-0.0204	-2.5 to 2.5	Pass
				40	3.6	-20.785	-0.0251	-2.5 to 2.5	Pass
	50	3.6	-23.618	-0.0286	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.3	-42.686	-0.0510	-2.5 to 2.5	Pass
					3.6	-46.206	-0.0552	-2.5 to 2.5	Pass
					4.2	-48.909	-0.0585	-2.5 to 2.5	Pass
				-30	3.6	-8.683	-0.0104	-2.5 to 2.5	Pass
				-20	3.6	-10.843	-0.0130	-2.5 to 2.5	Pass
				-10	3.6	-13.261	-0.0159	-2.5 to 2.5	Pass
				0	3.6	-15.049	-0.0180	-2.5 to 2.5	Pass
				10	3.6	-14.691	-0.0176	-2.5 to 2.5	Pass
				30	3.6	-17.581	-0.0210	-2.5 to 2.5	Pass
				40	3.6	-19.598	-0.0234	-2.5 to 2.5	Pass
	50	3.6	-21.501	-0.0257	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.3	-47.407	-0.0560	-2.5 to 2.5	Pass
					3.6	-5.221	-0.0062	-2.5 to 2.5	Pass
					4.2	-8.583	-0.0101	-2.5 to 2.5	Pass
				-30	3.6	-12.732	-0.0150	-2.5 to 2.5	Pass
				-20	3.6	-17.395	-0.0205	-2.5 to 2.5	Pass
				-10	3.6	-19.670	-0.0232	-2.5 to 2.5	Pass
				0	3.6	-21.257	-0.0251	-2.5 to 2.5	Pass
				10	3.6	-24.333	-0.0287	-2.5 to 2.5	Pass
30				3.6	-27.022	-0.0319	-2.5 to 2.5	Pass	
40				3.6	-31.414	-0.0371	-2.5 to 2.5	Pass	
50	3.6	-32.787	-0.0387	-2.5 to 2.5	Pass				

#### 4.4 B5\_10MHz

##### 4.4.1 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	3.3	24.090	0.0291	-2.5 to 2.5	Pass
					3.6	24.691	0.0298	-2.5 to 2.5	Pass
					4.2	17.610	0.0212	-2.5 to 2.5	Pass
				-30	3.6	10.600	0.0128	-2.5 to 2.5	Pass
				-20	3.6	2.532	0.0031	-2.5 to 2.5	Pass
				-10	3.6	-5.407	-0.0065	-2.5 to 2.5	Pass
				0	3.6	-13.361	-0.0161	-2.5 to 2.5	Pass
				10	3.6	-19.269	-0.0232	-2.5 to 2.5	Pass
				30	3.6	-27.523	-0.0332	-2.5 to 2.5	Pass

	836.5	50	0	40	3.6	-34.146	-0.0412	-2.5 to 2.5	Pass
				50	3.6	-39.110	-0.0472	-2.5 to 2.5	Pass
				20	3.3	7.353	0.0088	-2.5 to 2.5	Pass
					3.6	5.307	0.0063	-2.5 to 2.5	Pass
				4.2	0.544	0.0007	-2.5 to 2.5	Pass	
					-30	3.6	-4.706	-0.0056	-2.5 to 2.5
				-20	3.6	-9.441	-0.0113	-2.5 to 2.5	Pass
				-10	3.6	-13.590	-0.0162	-2.5 to 2.5	Pass
				0	3.6	-19.369	-0.0232	-2.5 to 2.5	Pass
				10	3.6	-23.890	-0.0286	-2.5 to 2.5	Pass
	30	3.6	-28.811	-0.0344	-2.5 to 2.5	Pass			
	40	3.6	-33.360	-0.0399	-2.5 to 2.5	Pass			
	50	3.6	-37.236	-0.0445	-2.5 to 2.5	Pass			
	844	50	0	20	3.3	8.984	0.0106	-2.5 to 2.5	Pass
					3.6	7.052	0.0084	-2.5 to 2.5	Pass
				4.2	0.243	0.0003	-2.5 to 2.5	Pass	
					-30	3.6	-1.903	-0.0023	-2.5 to 2.5
				-20	3.6	-5.693	-0.0067	-2.5 to 2.5	Pass
				-10	3.6	-9.699	-0.0115	-2.5 to 2.5	Pass
				0	3.6	-14.119	-0.0167	-2.5 to 2.5	Pass
10				3.6	-18.797	-0.0223	-2.5 to 2.5	Pass	
30				3.6	-22.430	-0.0266	-2.5 to 2.5	Pass	
40				3.6	-27.523	-0.0326	-2.5 to 2.5	Pass	
50	3.6	-31.457	-0.0373	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.3	-45.776	-0.0552	-2.5 to 2.5	Pass
					3.6	0.157	0.0002	-2.5 to 2.5	Pass
				4.2	-2.232	-0.0027	-2.5 to 2.5	Pass	
					-30	3.6	-4.435	-0.0053	-2.5 to 2.5
				-20	3.6	-6.180	-0.0075	-2.5 to 2.5	Pass
				-10	3.6	-6.952	-0.0084	-2.5 to 2.5	Pass
				0	3.6	-9.170	-0.0111	-2.5 to 2.5	Pass
				10	3.6	-10.858	-0.0131	-2.5 to 2.5	Pass
				30	3.6	-13.862	-0.0167	-2.5 to 2.5	Pass
				40	3.6	-14.620	-0.0176	-2.5 to 2.5	Pass
	50	3.6	-18.210	-0.0220	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.3	-42.400	-0.0507	-2.5 to 2.5	Pass
					3.6	-43.302	-0.0518	-2.5 to 2.5	Pass
				4.2	-43.631	-0.0522	-2.5 to 2.5	Pass	
					-30	3.6	-43.330	-0.0518	-2.5 to 2.5
				-20	3.6	-44.203	-0.0528	-2.5 to 2.5	Pass
				-10	3.6	-44.060	-0.0527	-2.5 to 2.5	Pass
				0	3.6	-44.889	-0.0537	-2.5 to 2.5	Pass
				10	3.6	-46.048	-0.0550	-2.5 to 2.5	Pass
				30	3.6	-45.633	-0.0546	-2.5 to 2.5	Pass
40				3.6	-46.492	-0.0556	-2.5 to 2.5	Pass	
50	3.6	-1.202	-0.0014	-2.5 to 2.5	Pass				
844	50	0	20	3.3	-36.106	-0.0428	-2.5 to 2.5	Pass	
				3.6	-36.120	-0.0428	-2.5 to 2.5	Pass	
			4.2	-36.564	-0.0433	-2.5 to 2.5	Pass		
				-30	3.6	-35.534	-0.0421	-2.5 to 2.5	Pass
			-20	3.6	-36.149	-0.0428	-2.5 to 2.5	Pass	
			-10	3.6	-36.950	-0.0438	-2.5 to 2.5	Pass	
			0	3.6	-37.279	-0.0442	-2.5 to 2.5	Pass	
			10	3.6	-36.836	-0.0436	-2.5 to 2.5	Pass	
			30	3.6	-36.707	-0.0435	-2.5 to 2.5	Pass	
			40	3.6	-38.238	-0.0453	-2.5 to 2.5	Pass	
50	3.6	-39.196	-0.0464	-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	3.3	9.098	0.0036	-2.5 to 2.5	Pass
					3.6	8.368	0.0033	-2.5 to 2.5	Pass
					4.2	8.283	0.0033	-2.5 to 2.5	Pass
				-30	3.6	5.393	0.0022	-2.5 to 2.5	Pass
				-20	3.6	4.034	0.0016	-2.5 to 2.5	Pass
				-10	3.6	4.020	0.0016	-2.5 to 2.5	Pass
				0	3.6	-1.330	-0.0005	-2.5 to 2.5	Pass
				10	3.6	-2.875	-0.0011	-2.5 to 2.5	Pass
				30	3.6	-3.719	-0.0015	-2.5 to 2.5	Pass
				40	3.6	-5.479	-0.0022	-2.5 to 2.5	Pass
	50	3.6	-6.323	-0.0025	-2.5 to 2.5	Pass			
	2535	25	0	20	3.3	22.445	0.0089	-2.5 to 2.5	Pass
					3.6	23.575	0.0093	-2.5 to 2.5	Pass
					4.2	21.200	0.0084	-2.5 to 2.5	Pass
				-30	3.6	17.395	0.0069	-2.5 to 2.5	Pass
				-20	3.6	16.208	0.0064	-2.5 to 2.5	Pass
				-10	3.6	12.946	0.0051	-2.5 to 2.5	Pass
				0	3.6	12.617	0.0050	-2.5 to 2.5	Pass
				10	3.6	9.413	0.0037	-2.5 to 2.5	Pass
				30	3.6	7.224	0.0028	-2.5 to 2.5	Pass
				40	3.6	9.041	0.0036	-2.5 to 2.5	Pass
	50	3.6	3.304	0.0013	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.3	20.199	0.0079	-2.5 to 2.5	Pass
					3.6	18.182	0.0071	-2.5 to 2.5	Pass
					4.2	16.694	0.0065	-2.5 to 2.5	Pass
				-30	3.6	8.769	0.0034	-2.5 to 2.5	Pass
				-20	3.6	3.061	0.0012	-2.5 to 2.5	Pass
				-10	3.6	4.377	0.0017	-2.5 to 2.5	Pass
				0	3.6	0.572	0.0002	-2.5 to 2.5	Pass
				10	3.6	-6.709	-0.0026	-2.5 to 2.5	Pass
30				3.6	-5.736	-0.0022	-2.5 to 2.5	Pass	
40				3.6	-4.950	-0.0019	-2.5 to 2.5	Pass	
50	3.6	-6.323	-0.0025	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.3	-10.629	-0.0042	-2.5 to 2.5	Pass
					3.6	-7.982	-0.0032	-2.5 to 2.5	Pass
					4.2	-7.095	-0.0028	-2.5 to 2.5	Pass
				-30	3.6	-6.123	-0.0024	-2.5 to 2.5	Pass
				-20	3.6	-4.392	-0.0018	-2.5 to 2.5	Pass
				-10	3.6	-5.622	-0.0022	-2.5 to 2.5	Pass
				0	3.6	-5.207	-0.0021	-2.5 to 2.5	Pass
				10	3.6	-5.836	-0.0023	-2.5 to 2.5	Pass
				30	3.6	-4.163	-0.0017	-2.5 to 2.5	Pass
				40	3.6	-2.632	-0.0011	-2.5 to 2.5	Pass
50	3.6	-3.891	-0.0016	-2.5 to 2.5	Pass				

	2535	25	0	20	3.3	0.143	0.0001	-2.5 to 2.5	Pass	
					3.6	0.415	0.0002	-2.5 to 2.5	Pass	
					4.2	2.532	0.0010	-2.5 to 2.5	Pass	
				-30	3.6	2.003	0.0008	-2.5 to 2.5	Pass	
					-20	3.6	4.363	0.0017	-2.5 to 2.5	Pass
						3.6	-2.146	-0.0008	-2.5 to 2.5	Pass
				0	3.6	4.921	0.0019	-2.5 to 2.5	Pass	
				10	3.6	1.473	0.0006	-2.5 to 2.5	Pass	
				30	3.6	6.437	0.0025	-2.5 to 2.5	Pass	
	40	3.6	2.203	0.0009	-2.5 to 2.5	Pass				
	50	3.6	3.476	0.0014	-2.5 to 2.5	Pass				
	2567.5	25	0	20	3.3	-10.443	-0.0041	-2.5 to 2.5	Pass	
					3.6	-12.703	-0.0049	-2.5 to 2.5	Pass	
					4.2	-11.687	-0.0046	-2.5 to 2.5	Pass	
				-30	3.6	-10.386	-0.0040	-2.5 to 2.5	Pass	
					-20	3.6	-11.587	-0.0045	-2.5 to 2.5	Pass
						3.6	-7.324	-0.0029	-2.5 to 2.5	Pass
				0	3.6	-10.586	-0.0041	-2.5 to 2.5	Pass	
				10	3.6	-19.741	-0.0077	-2.5 to 2.5	Pass	
30				3.6	-16.494	-0.0064	-2.5 to 2.5	Pass		
40	3.6	-15.192	-0.0059	-2.5 to 2.5	Pass					
50	3.6	-13.618	-0.0053	-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	3.3	2.289	0.0009	-2.5 to 2.5	Pass	
					3.6	-5.078	-0.0020	-2.5 to 2.5	Pass	
					4.2	-11.959	-0.0048	-2.5 to 2.5	Pass	
				-30	3.6	-16.522	-0.0066	-2.5 to 2.5	Pass	
					-20	3.6	-21.343	-0.0085	-2.5 to 2.5	Pass
						3.6	-20.199	-0.0081	-2.5 to 2.5	Pass
				0	3.6	-24.991	-0.0100	-2.5 to 2.5	Pass	
				10	3.6	-24.676	-0.0099	-2.5 to 2.5	Pass	
				30	3.6	-30.599	-0.0122	-2.5 to 2.5	Pass	
	40	3.6	-29.769	-0.0119	-2.5 to 2.5	Pass				
	50	3.6	-32.558	-0.0130	-2.5 to 2.5	Pass				
	2535	50	0	20	3.3	15.678	0.0062	-2.5 to 2.5	Pass	
					3.6	14.648	0.0058	-2.5 to 2.5	Pass	
					4.2	10.986	0.0043	-2.5 to 2.5	Pass	
				-30	3.6	6.065	0.0024	-2.5 to 2.5	Pass	
					-20	3.6	7.138	0.0028	-2.5 to 2.5	Pass
						3.6	3.047	0.0012	-2.5 to 2.5	Pass
				0	3.6	-4.077	-0.0016	-2.5 to 2.5	Pass	
				10	3.6	-1.502	-0.0006	-2.5 to 2.5	Pass	
				30	3.6	-1.373	-0.0005	-2.5 to 2.5	Pass	
	40	3.6	-1.845	-0.0007	-2.5 to 2.5	Pass				
	50	3.6	-3.247	-0.0013	-2.5 to 2.5	Pass				
	2565	50	0	20	3.3	15.121	0.0059	-2.5 to 2.5	Pass	
					3.6	11.415	0.0045	-2.5 to 2.5	Pass	
					4.2	10.085	0.0039	-2.5 to 2.5	Pass	

				-30	3.6	5.064	0.0020	-2.5 to 2.5	Pass
				-20	3.6	1.559	0.0006	-2.5 to 2.5	Pass
				-10	3.6	-1.817	-0.0007	-2.5 to 2.5	Pass
				0	3.6	-1.688	-0.0007	-2.5 to 2.5	Pass
				10	3.6	-6.795	-0.0026	-2.5 to 2.5	Pass
				30	3.6	-9.742	-0.0038	-2.5 to 2.5	Pass
				40	3.6	-8.855	-0.0035	-2.5 to 2.5	Pass
				50	3.6	-12.560	-0.0049	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.3	-29.154	-0.0116	-2.5 to 2.5	Pass
					3.6	-31.872	-0.0127	-2.5 to 2.5	Pass
					4.2	-24.405	-0.0097	-2.5 to 2.5	Pass
				-30	3.6	-26.736	-0.0107	-2.5 to 2.5	Pass
				-20	3.6	-25.506	-0.0102	-2.5 to 2.5	Pass
				-10	3.6	-26.650	-0.0106	-2.5 to 2.5	Pass
				0	3.6	-25.420	-0.0101	-2.5 to 2.5	Pass
				10	3.6	-25.892	-0.0103	-2.5 to 2.5	Pass
				30	3.6	-26.379	-0.0105	-2.5 to 2.5	Pass
				40	3.6	-27.809	-0.0111	-2.5 to 2.5	Pass
	50	3.6	-27.151	-0.0108	-2.5 to 2.5	Pass			
	2535	50	0	20	3.3	-5.708	-0.0023	-2.5 to 2.5	Pass
					3.6	-5.107	-0.0020	-2.5 to 2.5	Pass
					4.2	-2.232	-0.0009	-2.5 to 2.5	Pass
				-30	3.6	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	3.6	-7.081	-0.0028	-2.5 to 2.5	Pass
				-10	3.6	1.402	0.0006	-2.5 to 2.5	Pass
				0	3.6	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.6	1.416	0.0006	-2.5 to 2.5	Pass
				30	3.6	1.273	0.0005	-2.5 to 2.5	Pass
				40	3.6	0.186	0.0001	-2.5 to 2.5	Pass
	50	3.6	-0.758	-0.0003	-2.5 to 2.5	Pass			
	2565	50	0	20	3.3	-12.817	-0.0050	-2.5 to 2.5	Pass
					3.6	-12.474	-0.0049	-2.5 to 2.5	Pass
					4.2	-10.929	-0.0043	-2.5 to 2.5	Pass
				-30	3.6	-9.885	-0.0039	-2.5 to 2.5	Pass
				-20	3.6	-9.999	-0.0039	-2.5 to 2.5	Pass
				-10	3.6	-9.241	-0.0036	-2.5 to 2.5	Pass
				0	3.6	-10.343	-0.0040	-2.5 to 2.5	Pass
				10	3.6	-12.217	-0.0048	-2.5 to 2.5	Pass
30				3.6	-12.431	-0.0048	-2.5 to 2.5	Pass	
40				3.6	-9.799	-0.0038	-2.5 to 2.5	Pass	
50	3.6	-12.288	-0.0048	-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	3.3	38.238	0.0152	-2.5 to 2.5	Pass
					3.6	29.855	0.0119	-2.5 to 2.5	Pass
					4.2	23.360	0.0093	-2.5 to 2.5	Pass
				-30	3.6	21.558	0.0086	-2.5 to 2.5	Pass
				-20	3.6	21.257	0.0085	-2.5 to 2.5	Pass
				-10	3.6	20.270	0.0081	-2.5 to 2.5	Pass

				0	3.6	20.957	0.0084	-2.5 to 2.5	Pass				
				10	3.6	19.712	0.0079	-2.5 to 2.5	Pass				
				30	3.6	17.953	0.0072	-2.5 to 2.5	Pass				
				40	3.6	20.385	0.0081	-2.5 to 2.5	Pass				
				50	3.6	18.597	0.0074	-2.5 to 2.5	Pass				
				2535	75	0	20	3.3	34.490	0.0136	-2.5 to 2.5	Pass	
								3.6	26.851	0.0106	-2.5 to 2.5	Pass	
								4.2	25.606	0.0101	-2.5 to 2.5	Pass	
							-30	3.6	25.148	0.0099	-2.5 to 2.5	Pass	
							-20	3.6	26.279	0.0104	-2.5 to 2.5	Pass	
	-10	3.6	22.745				0.0090	-2.5 to 2.5	Pass				
	0	3.6	17.924				0.0071	-2.5 to 2.5	Pass				
	10	3.6	20.113				0.0079	-2.5 to 2.5	Pass				
	30	3.6	22.631				0.0089	-2.5 to 2.5	Pass				
	40	3.6	18.153				0.0072	-2.5 to 2.5	Pass				
	50	3.6	19.512	0.0077	-2.5 to 2.5	Pass							
	2562.5	75	0	20	3.3	33.731	0.0132	-2.5 to 2.5	Pass				
					3.6	29.826	0.0116	-2.5 to 2.5	Pass				
					4.2	23.317	0.0091	-2.5 to 2.5	Pass				
				-30	3.6	17.495	0.0068	-2.5 to 2.5	Pass				
				-20	3.6	22.101	0.0086	-2.5 to 2.5	Pass				
				-10	3.6	19.398	0.0076	-2.5 to 2.5	Pass				
				0	3.6	21.787	0.0085	-2.5 to 2.5	Pass				
				10	3.6	20.299	0.0079	-2.5 to 2.5	Pass				
				30	3.6	20.499	0.0080	-2.5 to 2.5	Pass				
				40	3.6	21.429	0.0084	-2.5 to 2.5	Pass				
				50	3.6	19.526	0.0076	-2.5 to 2.5	Pass				
				16QAM	2507.5	75	0	20	3.3	16.251	0.0065	-2.5 to 2.5	Pass
									3.6	17.695	0.0071	-2.5 to 2.5	Pass
	4.2	20.700	0.0083						-2.5 to 2.5	Pass			
	-30	3.6	22.187					0.0088	-2.5 to 2.5	Pass			
	-20	3.6	22.416					0.0089	-2.5 to 2.5	Pass			
	-10	3.6	18.625					0.0074	-2.5 to 2.5	Pass			
0	3.6	16.708	0.0067					-2.5 to 2.5	Pass				
10	3.6	21.858	0.0087					-2.5 to 2.5	Pass				
30	3.6	21.801	0.0087					-2.5 to 2.5	Pass				
40	3.6	19.555	0.0078					-2.5 to 2.5	Pass				
50	3.6	20.814	0.0083		-2.5 to 2.5	Pass							
2535	75	0	20		3.3	18.139	0.0072	-2.5 to 2.5	Pass				
					3.6	18.725	0.0074	-2.5 to 2.5	Pass				
					4.2	20.542	0.0081	-2.5 to 2.5	Pass				
			-30		3.6	22.216	0.0088	-2.5 to 2.5	Pass				
			-20		3.6	18.067	0.0071	-2.5 to 2.5	Pass				
			-10		3.6	16.537	0.0065	-2.5 to 2.5	Pass				
			0		3.6	19.641	0.0077	-2.5 to 2.5	Pass				
			10		3.6	17.681	0.0070	-2.5 to 2.5	Pass				
			30	3.6	20.771	0.0082	-2.5 to 2.5	Pass					
40	3.6	15.049	0.0059	-2.5 to 2.5	Pass								
50	3.6	20.385	0.0080	-2.5 to 2.5	Pass								
2562.5	75	0	20	3.3	19.784	0.0077	-2.5 to 2.5	Pass					
				3.6	22.416	0.0087	-2.5 to 2.5	Pass					
				4.2	23.689	0.0092	-2.5 to 2.5	Pass					
			-30	3.6	24.047	0.0094	-2.5 to 2.5	Pass					
			-20	3.6	23.432	0.0091	-2.5 to 2.5	Pass					
			-10	3.6	25.077	0.0098	-2.5 to 2.5	Pass					
			0	3.6	24.848	0.0097	-2.5 to 2.5	Pass					
			10	3.6	26.793	0.0105	-2.5 to 2.5	Pass					
			30	3.6	25.921	0.0101	-2.5 to 2.5	Pass					
			40	3.6	24.219	0.0095	-2.5 to 2.5	Pass					
50	3.6	26.407	0.0103	-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	3.3	21.014	0.0084	-2.5 to 2.5	Pass
					3.6	6.194	0.0025	-2.5 to 2.5	Pass
					4.2	-3.304	-0.0013	-2.5 to 2.5	Pass
				-30	3.6	-4.563	-0.0018	-2.5 to 2.5	Pass
				-20	3.6	-5.007	-0.0020	-2.5 to 2.5	Pass
				-10	3.6	-1.688	-0.0007	-2.5 to 2.5	Pass
				0	3.6	-0.343	-0.0001	-2.5 to 2.5	Pass
				10	3.6	-1.931	-0.0008	-2.5 to 2.5	Pass
				30	3.6	1.402	0.0006	-2.5 to 2.5	Pass
				40	3.6	3.619	0.0014	-2.5 to 2.5	Pass
	50	3.6	1.431	0.0006	-2.5 to 2.5	Pass			
	2535	100	0	20	3.3	24.891	0.0098	-2.5 to 2.5	Pass
					3.6	16.336	0.0064	-2.5 to 2.5	Pass
					4.2	12.345	0.0049	-2.5 to 2.5	Pass
				-30	3.6	10.428	0.0041	-2.5 to 2.5	Pass
				-20	3.6	12.932	0.0051	-2.5 to 2.5	Pass
				-10	3.6	12.231	0.0048	-2.5 to 2.5	Pass
				0	3.6	14.777	0.0058	-2.5 to 2.5	Pass
				10	3.6	17.853	0.0070	-2.5 to 2.5	Pass
				30	3.6	17.209	0.0068	-2.5 to 2.5	Pass
				40	3.6	16.336	0.0064	-2.5 to 2.5	Pass
	50	3.6	20.156	0.0080	-2.5 to 2.5	Pass			
	2560	100	0	20	3.3	28.782	0.0112	-2.5 to 2.5	Pass
					3.6	20.370	0.0080	-2.5 to 2.5	Pass
					4.2	15.736	0.0061	-2.5 to 2.5	Pass
				-30	3.6	18.210	0.0071	-2.5 to 2.5	Pass
				-20	3.6	18.168	0.0071	-2.5 to 2.5	Pass
				-10	3.6	22.101	0.0086	-2.5 to 2.5	Pass
				0	3.6	21.629	0.0084	-2.5 to 2.5	Pass
				10	3.6	25.063	0.0098	-2.5 to 2.5	Pass
30				3.6	24.590	0.0096	-2.5 to 2.5	Pass	
40				3.6	29.969	0.0117	-2.5 to 2.5	Pass	
50	3.6	30.456	0.0119	-2.5 to 2.5	Pass				
16QAM	2510	100	0	20	3.3	4.220	0.0017	-2.5 to 2.5	Pass
					3.6	4.706	0.0019	-2.5 to 2.5	Pass
					4.2	4.506	0.0018	-2.5 to 2.5	Pass
				-30	3.6	5.364	0.0021	-2.5 to 2.5	Pass
				-20	3.6	2.975	0.0012	-2.5 to 2.5	Pass
				-10	3.6	4.320	0.0017	-2.5 to 2.5	Pass
				0	3.6	3.676	0.0015	-2.5 to 2.5	Pass
				10	3.6	1.931	0.0008	-2.5 to 2.5	Pass
				30	3.6	2.217	0.0009	-2.5 to 2.5	Pass
				40	3.6	2.933	0.0012	-2.5 to 2.5	Pass
	50	3.6	1.359	0.0005	-2.5 to 2.5	Pass			
	2535	100	0	20	3.3	20.013	0.0079	-2.5 to 2.5	Pass
					3.6	23.017	0.0091	-2.5 to 2.5	Pass
					4.2	23.360	0.0092	-2.5 to 2.5	Pass
-30				3.6	19.498	0.0077	-2.5 to 2.5	Pass	
-20	3.6	24.691	0.0097	-2.5 to 2.5	Pass				

				-10	3.6	25.764	0.0102	-2.5 to 2.5	Pass
				0	3.6	22.688	0.0089	-2.5 to 2.5	Pass
				10	3.6	19.169	0.0076	-2.5 to 2.5	Pass
				30	3.6	20.928	0.0083	-2.5 to 2.5	Pass
				40	3.6	21.429	0.0085	-2.5 to 2.5	Pass
				50	3.6	19.155	0.0076	-2.5 to 2.5	Pass
	2560	100	0	20	3.3	32.158	0.0126	-2.5 to 2.5	Pass
					3.6	34.733	0.0136	-2.5 to 2.5	Pass
					4.2	36.464	0.0142	-2.5 to 2.5	Pass
				-30	3.6	33.932	0.0133	-2.5 to 2.5	Pass
				-20	3.6	34.304	0.0134	-2.5 to 2.5	Pass
				-10	3.6	33.488	0.0131	-2.5 to 2.5	Pass
				0	3.6	32.659	0.0128	-2.5 to 2.5	Pass
				10	3.6	31.271	0.0122	-2.5 to 2.5	Pass
				30	3.6	27.909	0.0109	-2.5 to 2.5	Pass
				40	3.6	28.439	0.0111	-2.5 to 2.5	Pass
				50	3.6	27.623	0.0108	-2.5 to 2.5	Pass