

# 1. Frequency Stability

## 1.1 B12\_1.4MHz

### 1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.50	6.723	0.0096	-2.5 to 2.5	Pass
					3.85	5.865	0.0084	-2.5 to 2.5	Pass
					4.40	1.245	0.0018	-2.5 to 2.5	Pass
				-30	3.85	3.576	0.0051	-2.5 to 2.5	Pass
				-20	3.85	3.576	0.0051	-2.5 to 2.5	Pass
				-10	3.85	1.774	0.0025	-2.5 to 2.5	Pass
				0	3.85	2.174	0.0031	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0025	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.903	0.0027	-2.5 to 2.5	Pass
	50	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.50	-6.266	-0.0089	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0036	-2.5 to 2.5	Pass
					4.40	-1.345	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.745	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
	50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass			
	715.3	6	0	20	3.50	13.976	0.0195	-2.5 to 2.5	Pass
					3.85	12.660	0.0177	-2.5 to 2.5	Pass
					4.40	10.014	0.0140	-2.5 to 2.5	Pass
				-30	3.85	7.954	0.0111	-2.5 to 2.5	Pass
				-20	3.85	5.765	0.0081	-2.5 to 2.5	Pass
				-10	3.85	7.854	0.0110	-2.5 to 2.5	Pass
				0	3.85	5.393	0.0075	-2.5 to 2.5	Pass
				10	3.85	4.091	0.0057	-2.5 to 2.5	Pass
30				3.85	2.089	0.0029	-2.5 to 2.5	Pass	
40				3.85	2.532	0.0035	-2.5 to 2.5	Pass	
50	3.85	1.473	0.0021	-2.5 to 2.5	Pass				
16QAM	699.7	6	0	20	3.50	0.601	0.0009	-2.5 to 2.5	Pass
					3.85	2.317	0.0033	-2.5 to 2.5	Pass
					4.40	-1.001	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.930	0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
	50	3.85	0.157	0.0002	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.50	-1.316	-0.0019	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass

					4.40	0.000	0.0000	-2.5 to 2.5	Pass			
				-30	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass			
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass			
				-10	3.85	0.558	0.0008	-2.5 to 2.5	Pass			
				0	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass			
				10	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass			
				30	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass			
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass			
				50	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass			
	715.3	6	0	20	3.50	0.272	0.0004	-2.5 to 2.5	Pass			
3.85					1.144	0.0016	-2.5 to 2.5	Pass				
4.40					1.588	0.0022	-2.5 to 2.5	Pass				
							-30	3.85	1.731	0.0024	-2.5 to 2.5	Pass
							-20	3.85	-0.887	-0.0012	-2.5 to 2.5	Pass
							-10	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
							0	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
							10	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
							30	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
							40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
							50	3.85	0.529	0.0007	-2.5 to 2.5	Pass

## 1.2 B12\_3MHz

### 1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	700.5	15	0	20	3.50	0.672	0.0010	-2.5 to 2.5	Pass				
					3.85	0.043	0.0001	-2.5 to 2.5	Pass				
					4.40	-0.587	-0.0008	-2.5 to 2.5	Pass				
								-30	3.85	0.343	0.0005	-2.5 to 2.5	Pass
								-20	3.85	0.515	0.0007	-2.5 to 2.5	Pass
								-10	3.85	0.672	0.0010	-2.5 to 2.5	Pass
								0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
								10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
								30	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
								40	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
								50	3.85	0.157	0.0002	-2.5 to 2.5	Pass
					707.5	15	0	20	3.50	1.802	0.0025	-2.5 to 2.5	Pass
				3.85					1.602	0.0023	-2.5 to 2.5	Pass	
				4.40					1.945	0.0027	-2.5 to 2.5	Pass	
											-30	3.85	1.717
								-20	3.85	1.574	0.0022	-2.5 to 2.5	Pass
								-10	3.85	1.588	0.0022	-2.5 to 2.5	Pass
								0	3.85	2.232	0.0032	-2.5 to 2.5	Pass
								10	3.85	1.802	0.0025	-2.5 to 2.5	Pass
								30	3.85	1.788	0.0025	-2.5 to 2.5	Pass
								40	3.85	1.059	0.0015	-2.5 to 2.5	Pass
								50	3.85	0.114	0.0002	-2.5 to 2.5	Pass
		714.5	15	0				20	3.50	1.917	0.0027	-2.5 to 2.5	Pass
	3.85				1.860	0.0026	-2.5 to 2.5		Pass				
	4.40				2.017	0.0028	-2.5 to 2.5		Pass				
								-30	3.85	1.187	0.0017	-2.5 to 2.5	Pass
								-20	3.85	1.602	0.0022	-2.5 to 2.5	Pass

				-10	3.85	1.616	0.0023	-2.5 to 2.5	Pass
				0	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0021	-2.5 to 2.5	Pass
				50	3.85	1.116	0.0016	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.50	0.329	0.0005	-2.5 to 2.5	Pass
					3.85	0.229	0.0003	-2.5 to 2.5	Pass
					4.40	-0.830	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.016	0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
	50	3.85	0.458	0.0007	-2.5 to 2.5	Pass			
	707.5	15	0	20	3.50	1.431	0.0020	-2.5 to 2.5	Pass
					3.85	0.615	0.0009	-2.5 to 2.5	Pass
					4.40	0.844	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.373	0.0019	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0021	-2.5 to 2.5	Pass
				30	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.459	0.0021	-2.5 to 2.5	Pass
	50	3.85	0.186	0.0003	-2.5 to 2.5	Pass			
	714.5	15	0	20	3.50	1.459	0.0020	-2.5 to 2.5	Pass
					3.85	1.016	0.0014	-2.5 to 2.5	Pass
					4.40	2.003	0.0028	-2.5 to 2.5	Pass
				-30	3.85	1.903	0.0027	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0009	-2.5 to 2.5	Pass
30				3.85	0.343	0.0005	-2.5 to 2.5	Pass	
40				3.85	1.230	0.0017	-2.5 to 2.5	Pass	
50	3.85	0.644	0.0009	-2.5 to 2.5	Pass				

### 1.3 B12\_5MHz

#### 1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.50	-0.787	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
					4.40	-1.531	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass

	707.5	25	0	30	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass				
				40	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass				
				50	3.85	0.057	0.0001	-2.5 to 2.5	Pass				
				20	3.50	0.544	0.0008	-2.5 to 2.5	Pass				
					3.85	0.730	0.0010	-2.5 to 2.5	Pass				
					4.40	0.901	0.0013	-2.5 to 2.5	Pass				
				-30	3.85	0.544	0.0008	-2.5 to 2.5	Pass				
				-20	3.85	0.472	0.0007	-2.5 to 2.5	Pass				
				-10	3.85	0.486	0.0007	-2.5 to 2.5	Pass				
				0	3.85	0.072	0.0001	-2.5 to 2.5	Pass				
				10	3.85	0.801	0.0011	-2.5 to 2.5	Pass				
				30	3.85	1.245	0.0018	-2.5 to 2.5	Pass				
				40	3.85	1.373	0.0019	-2.5 to 2.5	Pass				
				50	3.85	0.873	0.0012	-2.5 to 2.5	Pass				
				713.5	25	0	20	3.50	0.572	0.0008	-2.5 to 2.5	Pass	
	3.85	1.259	0.0018					-2.5 to 2.5	Pass				
	4.40	1.388	0.0019					-2.5 to 2.5	Pass				
	-30	3.85	1.130				0.0016	-2.5 to 2.5	Pass				
	-20	3.85	1.016				0.0014	-2.5 to 2.5	Pass				
	-10	3.85	1.459				0.0020	-2.5 to 2.5	Pass				
	0	3.85	0.629				0.0009	-2.5 to 2.5	Pass				
	10	3.85	0.515				0.0007	-2.5 to 2.5	Pass				
	30	3.85	0.815				0.0011	-2.5 to 2.5	Pass				
	40	3.85	0.644				0.0009	-2.5 to 2.5	Pass				
	50	3.85	1.488				0.0021	-2.5 to 2.5	Pass				
	16QAM	701.5	25				0	20	3.50	-0.215	-0.0003	-2.5 to 2.5	Pass
									3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
									4.40	-1.059	-0.0015	-2.5 to 2.5	Pass
								-30	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.372		-0.0005	-2.5 to 2.5	Pass			
-10				3.85	-1.016	-0.0014		-2.5 to 2.5	Pass				
0				3.85	-0.844	-0.0012		-2.5 to 2.5	Pass				
10				3.85	-0.257	-0.0004		-2.5 to 2.5	Pass				
30				3.85	-0.186	-0.0003		-2.5 to 2.5	Pass				
40				3.85	0.029	0.0000		-2.5 to 2.5	Pass				
50				3.85	-1.016	-0.0014		-2.5 to 2.5	Pass				
707.5				25	0	20		3.50	1.473	0.0021	-2.5 to 2.5	Pass	
								3.85	0.873	0.0012	-2.5 to 2.5	Pass	
								4.40	0.815	0.0012	-2.5 to 2.5	Pass	
						-30		3.85	1.373	0.0019	-2.5 to 2.5	Pass	
		-20	3.85			0.658	0.0009	-2.5 to 2.5	Pass				
		-10	3.85			2.174	0.0031	-2.5 to 2.5	Pass				
		0	3.85			1.574	0.0022	-2.5 to 2.5	Pass				
		10	3.85			1.917	0.0027	-2.5 to 2.5	Pass				
		30	3.85			2.003	0.0028	-2.5 to 2.5	Pass				
		40	3.85			1.917	0.0027	-2.5 to 2.5	Pass				
		50	3.85			1.287	0.0018	-2.5 to 2.5	Pass				
		713.5	25			0	20	3.50	0.615	0.0009	-2.5 to 2.5	Pass	
								3.85	0.801	0.0011	-2.5 to 2.5	Pass	
								4.40	1.044	0.0015	-2.5 to 2.5	Pass	
							-30	3.85	0.443	0.0006	-2.5 to 2.5	Pass	
-20				3.85	0.873		0.0012	-2.5 to 2.5	Pass				
-10				3.85	0.529		0.0007	-2.5 to 2.5	Pass				
0				3.85	1.173		0.0016	-2.5 to 2.5	Pass				
10				3.85	0.958		0.0013	-2.5 to 2.5	Pass				
30	3.85			1.259	0.0018		-2.5 to 2.5	Pass					
40	3.85			-0.029	0.0000		-2.5 to 2.5	Pass					

				50	3.85	0.730	0.0010	-2.5 to 2.5	Pass
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## 1.4 B12\_10MHz

### 1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.50	0.300	0.0004	-2.5 to 2.5	Pass
					3.85	0.272	0.0004	-2.5 to 2.5	Pass
					4.40	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
	50	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass			
	707.5	50	0	20	3.50	-0.544	-0.0008	-2.5 to 2.5	Pass
					3.85	0.529	0.0007	-2.5 to 2.5	Pass
					4.40	0.429	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.401	0.0006	-2.5 to 2.5	Pass
	50	3.85	0.501	0.0007	-2.5 to 2.5	Pass			
	711	50	0	20	3.50	0.372	0.0005	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
					4.40	-0.343	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0010	-2.5 to 2.5	Pass
30				3.85	0.243	0.0003	-2.5 to 2.5	Pass	
40				3.85	-0.472	-0.0007	-2.5 to 2.5	Pass	
50	3.85	0.458	0.0006	-2.5 to 2.5	Pass				
16QAM	704	50	0	20	3.50	-0.286	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
					4.40	0.329	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
	50	3.85	0.000	0.0000	-2.5 to 2.5	Pass			
	707.5	50	0	20	3.50	-0.529	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.415	-0.0006	-2.5 to 2.5	Pass

					4.40	-0.329	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
	711	50	0	20	3.50	-0.501	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
					4.40	0.129	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.715	0.0010	-2.5 to 2.5	Pass
50	3.85	0.529	0.0007	-2.5 to 2.5	Pass				

## 2. Frequency Stability

### 2.1 B13\_5MHz

#### 2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	779.5	25	0	20	3.50	1.559	0.0020	-2.5 to 2.5	Pass			
					3.85	2.918	0.0037	-2.5 to 2.5	Pass			
					4.40	1.073	0.0014	-2.5 to 2.5	Pass			
				-30	3.85	1.030	0.0013	-2.5 to 2.5	Pass			
				-20	3.85	1.788	0.0023	-2.5 to 2.5	Pass			
				-10	3.85	1.330	0.0017	-2.5 to 2.5	Pass			
				0	3.85	1.545	0.0020	-2.5 to 2.5	Pass			
				10	3.85	1.187	0.0015	-2.5 to 2.5	Pass			
				30	3.85	1.459	0.0019	-2.5 to 2.5	Pass			
				40	3.85	0.601	0.0008	-2.5 to 2.5	Pass			
				50	3.85	0.272	0.0003	-2.5 to 2.5	Pass			
				782	25	0	20	3.50	-1.044	-0.0013	-2.5 to 2.5	Pass
								3.85	0.329	0.0004	-2.5 to 2.5	Pass
	4.40	-0.401	-0.0005					-2.5 to 2.5	Pass			
	-30	3.85	-0.329				-0.0004	-2.5 to 2.5	Pass			
	-20	3.85	-0.658				-0.0008	-2.5 to 2.5	Pass			
	-10	3.85	0.501				0.0006	-2.5 to 2.5	Pass			
	0	3.85	1.187				0.0015	-2.5 to 2.5	Pass			
	10	3.85	0.501				0.0006	-2.5 to 2.5	Pass			
	30	3.85	1.144				0.0015	-2.5 to 2.5	Pass			
	40	3.85	-0.143				-0.0002	-2.5 to 2.5	Pass			
	50	3.85	0.358				0.0005	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.50	1.016	0.0013	-2.5 to 2.5	Pass			
					3.85	-0.443	-0.0006	-2.5 to 2.5	Pass			

					4.40	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.130	0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.289	0.0029	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.689	0.0034	-2.5 to 2.5	Pass
				30	3.85	2.375	0.0030	-2.5 to 2.5	Pass
				40	3.85	2.704	0.0034	-2.5 to 2.5	Pass
				50	3.85	2.646	0.0034	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.50	0.687	0.0009	-2.5 to 2.5	Pass
					3.85	0.286	0.0004	-2.5 to 2.5	Pass
					4.40	1.431	0.0018	-2.5 to 2.5	Pass
				-30	3.85	2.232	0.0029	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.016	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.887	0.0011	-2.5 to 2.5	Pass
	50	3.85	0.014	0.0000	-2.5 to 2.5	Pass			
	782	25	0	20	3.50	-0.401	-0.0005	-2.5 to 2.5	Pass
					3.85	0.672	0.0009	-2.5 to 2.5	Pass
					4.40	1.817	0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.030	0.0013	-2.5 to 2.5	Pass
	50	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.50	1.173	0.0015	-2.5 to 2.5	Pass
					3.85	0.587	0.0007	-2.5 to 2.5	Pass
					4.40	0.687	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.203	0.0028	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.545	0.0020	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0010	-2.5 to 2.5	Pass
30				3.85	0.758	0.0010	-2.5 to 2.5	Pass	
40				3.85	0.172	0.0002	-2.5 to 2.5	Pass	
50	3.85	0.587	0.0007	-2.5 to 2.5	Pass				

## 2.2 B13\_10MHz

### 2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	782	50	0	20	3.50	-0.172	-0.0002	-2.5 to 2.5	Pass	
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass	
					4.40	-1.073	-0.0014	-2.5 to 2.5	Pass	
					-30	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
					-20	3.85	0.300	0.0004	-2.5 to 2.5	Pass

				-10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass	
				0	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass	
				10	3.85	0.558	0.0007	-2.5 to 2.5	Pass	
				30	3.85	0.901	0.0012	-2.5 to 2.5	Pass	
				40	3.85	0.930	0.0012	-2.5 to 2.5	Pass	
				50	3.85	0.186	0.0002	-2.5 to 2.5	Pass	
	782	50	0	20	3.50	0.229	0.0003	-2.5 to 2.5	Pass	
					3.85	-0.558	-0.0007	-2.5 to 2.5	Pass	
					4.40	-0.014	0.0000	-2.5 to 2.5	Pass	
				-30	3.85	0.758	0.0010	-2.5 to 2.5	Pass	
				-20	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass	
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass	
		0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass			
		10	3.85	1.059	0.0014	-2.5 to 2.5	Pass			
		30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass			
		40	3.85	0.672	0.0009	-2.5 to 2.5	Pass			
		50	3.85	0.029	0.0000	-2.5 to 2.5	Pass			
		782	50	0	20	3.50	0.372	0.0005	-2.5 to 2.5	Pass
	3.85					1.287	0.0016	-2.5 to 2.5	Pass	
	4.40					1.416	0.0018	-2.5 to 2.5	Pass	
	-30				3.85	-0.272	-0.0003	-2.5 to 2.5	Pass	
	-20				3.85	0.615	0.0008	-2.5 to 2.5	Pass	
	-10				3.85	1.373	0.0018	-2.5 to 2.5	Pass	
	0		3.85	0.544	0.0007	-2.5 to 2.5	Pass			
	10		3.85	0.315	0.0004	-2.5 to 2.5	Pass			
	30		3.85	-0.458	-0.0006	-2.5 to 2.5	Pass			
	40		3.85	1.159	0.0015	-2.5 to 2.5	Pass			
	50		3.85	2.289	0.0029	-2.5 to 2.5	Pass			
	16QAM		782	50	0	20	3.50	0.744	0.0010	-2.5 to 2.5
		3.85					0.401	0.0005	-2.5 to 2.5	Pass
4.40		0.114					0.0001	-2.5 to 2.5	Pass	
-30		3.85				0.272	0.0003	-2.5 to 2.5	Pass	
-20		3.85				-0.057	-0.0001	-2.5 to 2.5	Pass	
-10		3.85				-0.372	-0.0005	-2.5 to 2.5	Pass	
0		3.85		-0.072	-0.0001	-2.5 to 2.5	Pass			
10		3.85		-0.429	-0.0005	-2.5 to 2.5	Pass			
30		3.85		-1.588	-0.0020	-2.5 to 2.5	Pass			
40		3.85		1.688	0.0022	-2.5 to 2.5	Pass			
50		3.85		0.744	0.0010	-2.5 to 2.5	Pass			
782		50		0	20	3.50	0.715	0.0009	-2.5 to 2.5	Pass
			3.85			-0.186	-0.0002	-2.5 to 2.5	Pass	
			4.40			1.230	0.0016	-2.5 to 2.5	Pass	
			-30		3.85	-0.801	-0.0010	-2.5 to 2.5	Pass	
			-20		3.85	0.100	0.0001	-2.5 to 2.5	Pass	
			-10		3.85	0.973	0.0012	-2.5 to 2.5	Pass	
		0	3.85	0.930	0.0012	-2.5 to 2.5	Pass			
		10	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass			
		30	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass			
		40	3.85	0.873	0.0011	-2.5 to 2.5	Pass			
		50	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass			
		782	50	0	20	3.50	0.787	0.0010	-2.5 to 2.5	Pass
3.85						-1.788	-0.0023	-2.5 to 2.5	Pass	
4.40						0.715	0.0009	-2.5 to 2.5	Pass	
-30					3.85	0.601	0.0008	-2.5 to 2.5	Pass	
-20					3.85	-1.001	-0.0013	-2.5 to 2.5	Pass	
-10					3.85	-0.215	-0.0003	-2.5 to 2.5	Pass	
0		3.85	0.186	0.0002	-2.5 to 2.5	Pass				



				10	3.85	1.216	0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass

### 3. Frequency Stability

#### 3.1 B17\_5MHz

##### 3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.50	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.873	0.0012	-2.5 to 2.5	Pass
					4.40	0.744	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.858	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0023	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0010	-2.5 to 2.5	Pass
	40	3.85	0.186	0.0003	-2.5 to 2.5	Pass			
	50	3.85	0.515	0.0007	-2.5 to 2.5	Pass			
	710	25	0	20	3.50	-0.200	-0.0003	-2.5 to 2.5	Pass
					3.85	0.501	0.0007	-2.5 to 2.5	Pass
					4.40	0.443	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0004	-2.5 to 2.5	Pass
	40	3.85	0.386	0.0005	-2.5 to 2.5	Pass			
	50	3.85	0.930	0.0013	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.50	-0.114	-0.0002	-2.5 to 2.5	Pass
					3.85	0.257	0.0004	-2.5 to 2.5	Pass
					4.40	-0.844	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
-10				3.85	-1.001	-0.0014	-2.5 to 2.5	Pass	
0				3.85	-0.873	-0.0012	-2.5 to 2.5	Pass	
10				3.85	-0.386	-0.0005	-2.5 to 2.5	Pass	
30				3.85	-0.658	-0.0009	-2.5 to 2.5	Pass	
40	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass				
50	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.50	0.916	0.0013	-2.5 to 2.5	Pass
					3.85	0.172	0.0002	-2.5 to 2.5	Pass
					4.40	0.358	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0011	-2.5 to 2.5	Pass
0	3.85	0.644	0.0009	-2.5 to 2.5	Pass				

	710	25	0	10	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				20	3.50	0.529	0.0007	-2.5 to 2.5	Pass
					3.85	0.858	0.0012	-2.5 to 2.5	Pass
					4.40	1.187	0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.459	0.0021	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0022	-2.5 to 2.5	Pass
	30	3.85	0.758	0.0011	-2.5 to 2.5	Pass			
	40	3.85	0.358	0.0005	-2.5 to 2.5	Pass			
	50	3.85	0.973	0.0014	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.50	-1.044	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.40	-0.515	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
40				3.85	-1.087	-0.0015	-2.5 to 2.5	Pass	
50				3.85	-0.443	-0.0006	-2.5 to 2.5	Pass	

### 3.2 B17\_10MHz

#### 3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.50	0.472	0.0007	-2.5 to 2.5	Pass
					3.85	1.130	0.0016	-2.5 to 2.5	Pass
					4.40	0.901	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.616	0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
	50	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass			
	710	50	0	20	3.50	-0.744	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
					4.40	-1.245	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
40				3.85	-1.059	-0.0015	-2.5 to 2.5	Pass	

	711	50	0	50	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				20	3.50	-0.057	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
					4.40	-0.529	-0.0007	-2.5 to 2.5	Pass
					-30	3.85	-0.386	-0.0005	-2.5 to 2.5
				-20	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
40	3.85	0.257	0.0004	-2.5 to 2.5	Pass				
50	3.85	0.315	0.0004	-2.5 to 2.5	Pass				
16QAM	709	50	0	20	3.50	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
					4.40	-0.100	-0.0001	-2.5 to 2.5	Pass
					-30	3.85	0.386	0.0005	-2.5 to 2.5
				-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
	50	3.85	0.715	0.0010	-2.5 to 2.5	Pass			
	710	50	0	20	3.50	-1.531	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
					4.40	-1.016	-0.0014	-2.5 to 2.5	Pass
					-30	3.85	-0.343	-0.0005	-2.5 to 2.5
				-20	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
40				3.85	-2.246	-0.0032	-2.5 to 2.5	Pass	
50	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass				
711	50	0	20	3.50	0.486	0.0007	-2.5 to 2.5	Pass	
				3.85	0.830	0.0012	-2.5 to 2.5	Pass	
				4.40	-0.057	-0.0001	-2.5 to 2.5	Pass	
				-30	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
			-20	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass	
			-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass	
			0	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass	
			10	3.85	0.086	0.0001	-2.5 to 2.5	Pass	
			30	3.85	0.029	0.0000	-2.5 to 2.5	Pass	
			40	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass	
50	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass				

## 4. Frequency Stability

### 4.1 B2\_1.4MHz

#### 4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	1850.7	6	0	20	3.50	16.623	0.0090	-2.5 to 2.5	Pass
					3.85	11.644	0.0063	-2.5 to 2.5	Pass
					4.40	9.885	0.0053	-2.5 to 2.5	Pass
				-30	3.85	10.571	0.0057	-2.5 to 2.5	Pass
				-20	3.85	9.055	0.0049	-2.5 to 2.5	Pass
				-10	3.85	9.670	0.0052	-2.5 to 2.5	Pass
				0	3.85	5.665	0.0031	-2.5 to 2.5	Pass
				10	3.85	5.708	0.0031	-2.5 to 2.5	Pass
				30	3.85	5.450	0.0029	-2.5 to 2.5	Pass
				40	3.85	4.692	0.0025	-2.5 to 2.5	Pass
	50	3.85	3.506	0.0018	-2.5 to 2.5	Pass			
	1880	6	0	20	3.50	-23.317	-0.0124	-2.5 to 2.5	Pass
					3.85	-18.911	-0.0101	-2.5 to 2.5	Pass
					4.40	-17.910	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-12.946	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-11.544	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-7.839	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.619	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.131	-0.0011	-2.5 to 2.5	Pass
	50	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.50	-22.588	-0.0118	-2.5 to 2.5	Pass
					3.85	-21.629	-0.0113	-2.5 to 2.5	Pass
					4.40	-22.860	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-19.326	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-15.664	-0.0082	-2.5 to 2.5	Pass
-10				3.85	-13.218	-0.0069	-2.5 to 2.5	Pass	
0				3.85	-9.027	-0.0047	-2.5 to 2.5	Pass	
10				3.85	-7.110	-0.0037	-2.5 to 2.5	Pass	
30				3.85	-6.166	-0.0032	-2.5 to 2.5	Pass	
40				3.85	-4.692	-0.0025	-2.5 to 2.5	Pass	
50	3.85	-3.319	-0.0017	-2.5 to 2.5	Pass				
16QAM	1850.7	6	0	20	3.50	4.177	0.0023	-2.5 to 2.5	Pass
					3.85	3.390	0.0018	-2.5 to 2.5	Pass
					4.40	2.818	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.618	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.061	0.0017	-2.5 to 2.5	Pass
				-10	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.874	0.0010	-2.5 to 2.5	Pass
				10	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.545	0.0008	-2.5 to 2.5	Pass
	50	3.85	1.674	0.0009	-2.5 to 2.5	Pass			
	1880	6	0	20	3.50	-2.832	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0009	-2.5 to 2.5	Pass
					4.40	0.644	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.418	0.0013	-2.5 to 2.5	Pass
	50	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.50	-2.704	-0.0014	-2.5 to 2.5	Pass

					3.85	-2.089	-0.0011	-2.5 to 2.5	Pass
					4.40	-1.059	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.373	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.345	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				50	3.85	2.532	0.0013	-2.5 to 2.5	Pass

## 4.2 B2\_3MHz

### 4.2.1 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	3.50	1.831	0.0010	-2.5 to 2.5	Pass
					3.85	0.672	0.0004	-2.5 to 2.5	Pass
					4.40	1.903	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.688	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
	40	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass			
	50	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass			
	1880	15	0	20	3.50	0.386	0.0002	-2.5 to 2.5	Pass
					3.85	1.602	0.0009	-2.5 to 2.5	Pass
					4.40	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.373	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
	40	3.85	1.588	0.0008	-2.5 to 2.5	Pass			
	50	3.85	0.644	0.0003	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.50	0.544	0.0003	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.40	2.275	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.503	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0010	-2.5 to 2.5	Pass
-10				3.85	0.215	0.0001	-2.5 to 2.5	Pass	
0				3.85	0.057	0.0000	-2.5 to 2.5	Pass	
10				3.85	-0.143	-0.0001	-2.5 to 2.5	Pass	
30				3.85	0.272	0.0001	-2.5 to 2.5	Pass	
40	3.85	1.459	0.0008	-2.5 to 2.5	Pass				
50	3.85	1.230	0.0006	-2.5 to 2.5	Pass				
16QAM	1851.5	15	0	20	3.50	-1.216	-0.0007	-2.5 to 2.5	Pass
					3.85	0.787	0.0004	-2.5 to 2.5	Pass
					4.40	0.644	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass

				-20	3.85	0.644	0.0003	-2.5 to 2.5	Pass			
				-10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass			
				0	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass			
				10	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass			
				30	3.85	0.114	0.0001	-2.5 to 2.5	Pass			
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass			
				50	3.85	0.472	0.0003	-2.5 to 2.5	Pass			
	1880	15	0	20	3.50	0.629	0.0003	-2.5 to 2.5	Pass			
					3.85	1.459	0.0008	-2.5 to 2.5	Pass			
					4.40	-0.157	-0.0001	-2.5 to 2.5	Pass			
				-30	3.85	0.601	0.0003	-2.5 to 2.5	Pass			
				-20	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass			
				-10	3.85	0.401	0.0002	-2.5 to 2.5	Pass			
				0	3.85	1.345	0.0007	-2.5 to 2.5	Pass			
				10	3.85	1.559	0.0008	-2.5 to 2.5	Pass			
				30	3.85	1.273	0.0007	-2.5 to 2.5	Pass			
				40	3.85	0.901	0.0005	-2.5 to 2.5	Pass			
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass			
				1908.5	15	0	20	3.50	-0.186	-0.0001	-2.5 to 2.5	Pass
								3.85	0.815	0.0004	-2.5 to 2.5	Pass
								4.40	1.087	0.0006	-2.5 to 2.5	Pass
	-30	3.85	0.887				0.0005	-2.5 to 2.5	Pass			
	-20	3.85	-1.101				-0.0006	-2.5 to 2.5	Pass			
	-10	3.85	1.788				0.0009	-2.5 to 2.5	Pass			
	0	3.85	1.416				0.0007	-2.5 to 2.5	Pass			
	10	3.85	0.629				0.0003	-2.5 to 2.5	Pass			
	30	3.85	-0.386				-0.0002	-2.5 to 2.5	Pass			
	40	3.85	0.186				0.0001	-2.5 to 2.5	Pass			
50	3.85	0.415	0.0002				-2.5 to 2.5	Pass				

### 4.3 B2\_5MHz

#### 4.3.1 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	3.50	-1.345	-0.0007	-2.5 to 2.5	Pass			
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass			
					4.40	-0.129	-0.0001	-2.5 to 2.5	Pass			
				-30	3.85	-1.159	-0.0006	-2.5 to 2.5	Pass			
				-20	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass			
				-10	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass			
				0	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass			
				10	3.85	-1.717	-0.0009	-2.5 to 2.5	Pass			
				30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass			
				40	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass			
				50	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass			
				1880	25	0	20	3.50	-0.973	-0.0005	-2.5 to 2.5	Pass
								3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
								4.40	-1.931	-0.0010	-2.5 to 2.5	Pass
	-30	3.85	-1.516				-0.0008	-2.5 to 2.5	Pass			
	-20	3.85	-2.761				-0.0015	-2.5 to 2.5	Pass			
	-10	3.85	-0.687				-0.0004	-2.5 to 2.5	Pass			
	0	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass						

				10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.844	-0.0004	-2.5 to 2.5	Pass
				20	3.50	-2.046	-0.0011	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.85	-1.373	-0.0007	-2.5 to 2.5	Pass
				4.40	-1.187	-0.0006	-2.5 to 2.5	Pass	
				-30	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.203	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.330	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.50	-1.216	-0.0007	-2.5 to 2.5	Pass
				3.85	-1.245	-0.0007	-2.5 to 2.5	Pass	
				4.40	-2.432	-0.0013	-2.5 to 2.5	Pass	
				-30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.931	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.546	-0.0014	-2.5 to 2.5	Pass
	50	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass			
	1880	25	0	20	3.50	-1.531	-0.0008	-2.5 to 2.5	Pass
				3.85	-2.089	-0.0011	-2.5 to 2.5	Pass	
				4.40	-2.232	-0.0012	-2.5 to 2.5	Pass	
				-30	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.289	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.50	-2.232	-0.0012	-2.5 to 2.5	Pass
				3.85	-2.360	-0.0012	-2.5 to 2.5	Pass	
				4.40	-1.960	-0.0010	-2.5 to 2.5	Pass	
				-30	3.85	-2.875	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0008	-2.5 to 2.5	Pass
30				3.85	-1.030	-0.0005	-2.5 to 2.5	Pass	
40				3.85	-0.386	-0.0002	-2.5 to 2.5	Pass	
50	3.85	0.772	0.0004	-2.5 to 2.5	Pass				

#### 4.4 B2\_10MHz

##### 4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit								
QPSK	1855	50	0	20	3.50	-1.044	-0.0006	-2.5 to 2.5	Pass							
					3.85	-1.116	-0.0006	-2.5 to 2.5	Pass							
					4.40	-1.245	-0.0007	-2.5 to 2.5	Pass							
				1880	50	0	20	3.85	-1.316	-0.0007	-2.5 to 2.5	Pass				
								-20	3.85	-1.345	-0.0007	-2.5 to 2.5	Pass			
								-10	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass			
							1905	50	0	20	0	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
											10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
											30	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
	1855	50	0							20	40	3.85	0.587	0.0003	-2.5 to 2.5	Pass
											50	3.85	0.858	0.0005	-2.5 to 2.5	Pass
											-30	3.50	-1.531	-0.0008	-2.5 to 2.5	Pass
				3.85	0.086	0.0000				-2.5 to 2.5		Pass				
				4.40	-0.587	-0.0003				-2.5 to 2.5		Pass				
				1880	50	0				-20	3.85	-1.316	-0.0007	-2.5 to 2.5	Pass	
							-10	3.85	0.358		0.0002	-2.5 to 2.5	Pass			
							0	3.85	-1.230		-0.0007	-2.5 to 2.5	Pass			
							1905	50	0	-10	0	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
	10	3.85	0.114								0.0001	-2.5 to 2.5	Pass			
	30	3.85	-0.844								-0.0004	-2.5 to 2.5	Pass			
	1855	50	0							0	40	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
											50	3.85	-1.516	-0.0008	-2.5 to 2.5	Pass
											20	3.50	-1.330	-0.0007	-2.5 to 2.5	Pass
				3.85	-1.488	-0.0008				-2.5 to 2.5		Pass				
				4.40	-0.944	-0.0005				-2.5 to 2.5		Pass				
				1880	50	0				-30	3.85	-0.815	-0.0004	-2.5 to 2.5	Pass	
							-20	3.85	-1.230		-0.0006	-2.5 to 2.5	Pass			
-10							3.85	-2.031	-0.0011		-2.5 to 2.5	Pass				
1905							50	0	0	0	3.85	-2.489	-0.0013	-2.5 to 2.5	Pass	
	10	3.85	-0.415							-0.0002	-2.5 to 2.5	Pass				
	30	3.85	-0.443							-0.0002	-2.5 to 2.5	Pass				
	1855	50	0						10	40	3.85	-2.174	-0.0011	-2.5 to 2.5	Pass	
										50	3.85	-2.689	-0.0014	-2.5 to 2.5	Pass	
										20	3.50	0.401	0.0002	-2.5 to 2.5	Pass	
				3.85	-1.202	-0.0006			-2.5 to 2.5		Pass					
				4.40	0.343	0.0002			-2.5 to 2.5		Pass					
				1880	50	0			-20	3.85	0.286	0.0002	-2.5 to 2.5	Pass		
-10							3.85	-0.100		-0.0001	-2.5 to 2.5	Pass				
0							3.85	-2.275		-0.0012	-2.5 to 2.5	Pass				
1905							50	0	0	10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass	
	30	3.85	0.458							0.0002	-2.5 to 2.5	Pass				
	40	3.85	-1.016							-0.0005	-2.5 to 2.5	Pass				
	1855	50	0						10	50	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass	
										30	3.85	-1.945	-0.0010	-2.5 to 2.5	Pass	
										20	3.50	-2.117	-0.0011	-2.5 to 2.5	Pass	
				3.85	-0.944	-0.0005			-2.5 to 2.5		Pass					
				4.40	-3.333	-0.0018			-2.5 to 2.5		Pass					
				1880	50	0			-30	3.85	-3.204	-0.0017	-2.5 to 2.5	Pass		
-20							3.85	-2.589		-0.0014	-2.5 to 2.5	Pass				
-10							3.85	-2.046		-0.0011	-2.5 to 2.5	Pass				
1905							50	0	0	0	3.85	-1.545	-0.0008	-2.5 to 2.5	Pass	
	10	3.85	-1.788							-0.0010	-2.5 to 2.5	Pass				
	30	3.85	-3.977							-0.0021	-2.5 to 2.5	Pass				
	1855	50	0						10	40	3.85	-2.947	-0.0016	-2.5 to 2.5	Pass	
										50	3.85	-1.202	-0.0006	-2.5 to 2.5	Pass	
										20	3.50	-2.432	-0.0013	-2.5 to 2.5	Pass	



					3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
					4.40	-3.290	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.104	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.004	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.332	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0013	-2.5 to 2.5	Pass

## 4.5 B2\_15MHz

### 4.5.1 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	3.50	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
					4.40	-2.131	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
	50	3.85	-1.845	-0.0010	-2.5 to 2.5	Pass			
	1880	75	0	20	3.50	-1.230	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
					4.40	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.446	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.189	-0.0012	-2.5 to 2.5	Pass
	50	3.85	-2.246	-0.0012	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.50	-2.618	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.40	-1.760	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.389	-0.0013	-2.5 to 2.5	Pass
30				3.85	-1.473	-0.0008	-2.5 to 2.5	Pass	
40				3.85	-0.172	-0.0001	-2.5 to 2.5	Pass	
50	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass				
16QAM	1857.5	75	0	20	3.50	-2.017	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
					4.40	-1.931	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0012	-2.5 to 2.5	Pass

				-20	3.85	-2.933	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.061	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0008	-2.5 to 2.5	Pass
	1880	75	0	20	3.50	-1.087	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0010	-2.5 to 2.5	Pass
					4.40	-0.787	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0010	-2.5 to 2.5	Pass
	50	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.50	-0.587	-0.0003	-2.5 to 2.5	Pass
					3.85	0.572	0.0003	-2.5 to 2.5	Pass
					4.40	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
40				3.85	0.000	0.0000	-2.5 to 2.5	Pass	
50	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass				

## 4.6 B2\_20MHz

### 4.6.1 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	3.50	-2.575	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.675	-0.0014	-2.5 to 2.5	Pass
					4.40	-2.103	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0017	-2.5 to 2.5	Pass
	40	3.85	-3.390	-0.0018	-2.5 to 2.5	Pass			
	50	3.85	-2.990	-0.0016	-2.5 to 2.5	Pass			
	1880	100	0	20	3.50	-1.960	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0009	-2.5 to 2.5	Pass
					4.40	-0.558	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass

				10	3.85	-1.731	-0.0009	-2.5 to 2.5	Pass			
				30	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass			
				40	3.85	-0.615	-0.0003	-2.5 to 2.5	Pass			
				50	3.85	-2.789	-0.0015	-2.5 to 2.5	Pass			
				20	3.50	-2.031	-0.0011	-2.5 to 2.5	Pass			
	1900	100	0	20	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass			
				4.40	-1.659	-0.0009	-2.5 to 2.5	Pass				
				-30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass			
				-20	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass			
				-10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass			
				0	3.85	-0.844	-0.0004	-2.5 to 2.5	Pass			
				10	3.85	-1.159	-0.0006	-2.5 to 2.5	Pass			
				30	3.85	-0.973	-0.0005	-2.5 to 2.5	Pass			
				40	3.85	-2.604	-0.0014	-2.5 to 2.5	Pass			
				50	3.85	-2.260	-0.0012	-2.5 to 2.5	Pass			
16QAM	1860	100	0	20	3.50	-2.747	-0.0015	-2.5 to 2.5	Pass			
				3.85	-2.904	-0.0016	-2.5 to 2.5	Pass				
				4.40	-3.791	-0.0020	-2.5 to 2.5	Pass				
				-30	3.85	-2.403	-0.0013	-2.5 to 2.5	Pass			
				-20	3.85	-3.519	-0.0019	-2.5 to 2.5	Pass			
				-10	3.85	-2.460	-0.0013	-2.5 to 2.5	Pass			
				0	3.85	-1.559	-0.0008	-2.5 to 2.5	Pass			
				10	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass			
				30	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass			
				40	3.85	-1.888	-0.0010	-2.5 to 2.5	Pass			
				50	3.85	-3.119	-0.0017	-2.5 to 2.5	Pass			
				1880	100	0	20	3.50	-1.187	-0.0006	-2.5 to 2.5	Pass
							3.85	-2.217	-0.0012	-2.5 to 2.5	Pass	
							4.40	-0.529	-0.0003	-2.5 to 2.5	Pass	
							-30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
	-20	3.85	-1.316				-0.0007	-2.5 to 2.5	Pass			
	-10	3.85	-2.017				-0.0011	-2.5 to 2.5	Pass			
	0	3.85	-1.173				-0.0006	-2.5 to 2.5	Pass			
	10	3.85	-1.745				-0.0009	-2.5 to 2.5	Pass			
	30	3.85	-1.960				-0.0010	-2.5 to 2.5	Pass			
	40	3.85	-1.702				-0.0009	-2.5 to 2.5	Pass			
	50	3.85	-2.947				-0.0016	-2.5 to 2.5	Pass			
	1900	100	0				20	3.50	-0.730	-0.0004	-2.5 to 2.5	Pass
							3.85	0.515	0.0003	-2.5 to 2.5	Pass	
							4.40	-0.458	-0.0002	-2.5 to 2.5	Pass	
							-30	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass			
				-10	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass			
				0	3.85	-0.815	-0.0004	-2.5 to 2.5	Pass			
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass			
30				3.85	-0.901	-0.0005	-2.5 to 2.5	Pass				
40				3.85	-1.445	-0.0008	-2.5 to 2.5	Pass				
50				3.85	-3.533	-0.0019	-2.5 to 2.5	Pass				

## 5. Frequency Stability

### 5.1 B26a\_1.4MHz

#### 5.1.1 Test Result

Band: 26a / 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	814.7	6	0	20	3.50	17.066	0.0209	-2.5 to 2.5	Pass
					3.85	17.209	0.0211	-2.5 to 2.5	Pass
					4.40	14.606	0.0179	-2.5 to 2.5	Pass
				-30	3.85	11.988	0.0147	-2.5 to 2.5	Pass
				-20	3.85	7.410	0.0091	-2.5 to 2.5	Pass
				-10	3.85	6.151	0.0076	-2.5 to 2.5	Pass
				0	3.85	5.422	0.0067	-2.5 to 2.5	Pass
				10	3.85	3.448	0.0042	-2.5 to 2.5	Pass
				30	3.85	2.904	0.0036	-2.5 to 2.5	Pass
	40	3.85	3.676	0.0045	-2.5 to 2.5	Pass			
	50	3.85	1.817	0.0022	-2.5 to 2.5	Pass			
	819	6	0	20	3.50	-21.729	-0.0265	-2.5 to 2.5	Pass
					3.85	-18.225	-0.0223	-2.5 to 2.5	Pass
					4.40	-11.058	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-5.479	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-4.134	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
	40	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass			
	50	3.85	0.973	0.0012	-2.5 to 2.5	Pass			
	823.3	6	0	20	3.50	7.596	0.0092	-2.5 to 2.5	Pass
					3.85	10.400	0.0126	-2.5 to 2.5	Pass
					4.40	14.663	0.0178	-2.5 to 2.5	Pass
				-30	3.85	13.533	0.0164	-2.5 to 2.5	Pass
				-20	3.85	10.886	0.0132	-2.5 to 2.5	Pass
-10				3.85	7.596	0.0092	-2.5 to 2.5	Pass	
0				3.85	4.320	0.0052	-2.5 to 2.5	Pass	
10				3.85	2.975	0.0036	-2.5 to 2.5	Pass	
30				3.85	1.545	0.0019	-2.5 to 2.5	Pass	
40	3.85	2.689	0.0033	-2.5 to 2.5	Pass				
50	3.85	2.246	0.0027	-2.5 to 2.5	Pass				
16QAM	814.7	6	0	20	3.50	10.300	0.0126	-2.5 to 2.5	Pass
					3.85	8.140	0.0100	-2.5 to 2.5	Pass
					4.40	4.950	0.0061	-2.5 to 2.5	Pass
				-30	3.85	3.948	0.0048	-2.5 to 2.5	Pass
				-20	3.85	4.106	0.0050	-2.5 to 2.5	Pass
				-10	3.85	2.789	0.0034	-2.5 to 2.5	Pass
				0	3.85	2.718	0.0033	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0011	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0009	-2.5 to 2.5	Pass
	40	3.85	0.443	0.0005	-2.5 to 2.5	Pass			
	50	3.85	0.443	0.0005	-2.5 to 2.5	Pass			
	819	6	0	20	3.50	-7.224	-0.0088	-2.5 to 2.5	Pass
					3.85	-13.003	-0.0159	-2.5 to 2.5	Pass
					4.40	-19.870	-0.0243	-2.5 to 2.5	Pass
				-30	3.85	-20.757	-0.0253	-2.5 to 2.5	Pass
				-20	3.85	-17.853	-0.0218	-2.5 to 2.5	Pass
				-10	3.85	-9.913	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-6.294	-0.0077	-2.5 to 2.5	Pass
10				3.85	-3.633	-0.0044	-2.5 to 2.5	Pass	
30				3.85	-2.918	-0.0036	-2.5 to 2.5	Pass	
40	3.85	0.958	0.0012	-2.5 to 2.5	Pass				

	823.3	6	0	50	3.85	0.587	0.0007	-2.5 to 2.5	Pass
				20	3.50	6.208	0.0075	-2.5 to 2.5	Pass
					3.85	13.661	0.0166	-2.5 to 2.5	Pass
					4.40	14.548	0.0177	-2.5 to 2.5	Pass
					-30	3.85	13.261	0.0161	-2.5 to 2.5
				-20	3.85	10.715	0.0130	-2.5 to 2.5	Pass
				-10	3.85	6.795	0.0083	-2.5 to 2.5	Pass
				0	3.85	6.151	0.0075	-2.5 to 2.5	Pass
				10	3.85	3.862	0.0047	-2.5 to 2.5	Pass
				30	3.85	2.604	0.0032	-2.5 to 2.5	Pass
				40	3.85	2.718	0.0033	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0019	-2.5 to 2.5	Pass

## 5.2 B26a\_3MHz

### 5.2.1 Test Result

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	3.50	1.373	0.0017	-2.5 to 2.5	Pass
					3.85	1.845	0.0023	-2.5 to 2.5	Pass
					4.40	0.315	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.030	0.0013	-2.5 to 2.5	Pass
				819	15	0	20	3.50	2.475
	3.85	1.159	0.0014					-2.5 to 2.5	Pass
	4.40	1.245	0.0015					-2.5 to 2.5	Pass
	-30	3.85	1.473				0.0018	-2.5 to 2.5	Pass
	-20	3.85	1.945				0.0024	-2.5 to 2.5	Pass
	-10	3.85	1.659				0.0020	-2.5 to 2.5	Pass
	0	3.85	2.332				0.0028	-2.5 to 2.5	Pass
	10	3.85	1.016				0.0012	-2.5 to 2.5	Pass
	30	3.85	1.631				0.0020	-2.5 to 2.5	Pass
	40	3.85	2.704				0.0033	-2.5 to 2.5	Pass
	50	3.85	2.031				0.0025	-2.5 to 2.5	Pass
	822.5	15	0				20	3.50	1.616
				3.85	1.788	0.0022		-2.5 to 2.5	Pass
				4.40	0.658	0.0008		-2.5 to 2.5	Pass
				-30	3.85	1.817	0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.031	0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0011	-2.5 to 2.5	Pass
30				3.85	1.688	0.0021	-2.5 to 2.5	Pass	
40				3.85	1.402	0.0017	-2.5 to 2.5	Pass	
50				3.85	2.103	0.0026	-2.5 to 2.5	Pass	
16QAM				815.5	15	0	20	3.50	0.901
	3.85	1.445	0.0018					-2.5 to 2.5	Pass

					4.40	1.273	0.0016	-2.5 to 2.5	Pass			
				-30	3.85	2.074	0.0025	-2.5 to 2.5	Pass			
				-20	3.85	2.131	0.0026	-2.5 to 2.5	Pass			
				-10	3.85	2.160	0.0026	-2.5 to 2.5	Pass			
				0	3.85	1.187	0.0015	-2.5 to 2.5	Pass			
				10	3.85	1.101	0.0014	-2.5 to 2.5	Pass			
				30	3.85	0.615	0.0008	-2.5 to 2.5	Pass			
				40	3.85	2.089	0.0026	-2.5 to 2.5	Pass			
				50	3.85	1.101	0.0014	-2.5 to 2.5	Pass			
	819	15	0	20	3.50	2.890	0.0035	-2.5 to 2.5	Pass			
								3.85	3.090	0.0038	-2.5 to 2.5	Pass
								4.40	2.475	0.0030	-2.5 to 2.5	Pass
							-30	3.85	2.990	0.0037	-2.5 to 2.5	Pass
							-20	3.85	1.330	0.0016	-2.5 to 2.5	Pass
							-10	3.85	1.516	0.0019	-2.5 to 2.5	Pass
							0	3.85	1.960	0.0024	-2.5 to 2.5	Pass
							10	3.85	2.203	0.0027	-2.5 to 2.5	Pass
							30	3.85	2.146	0.0026	-2.5 to 2.5	Pass
							40	3.85	2.389	0.0029	-2.5 to 2.5	Pass
				50	3.85	3.247	0.0040	-2.5 to 2.5	Pass			
	822.5	15	0	20	3.50	1.159	0.0014	-2.5 to 2.5	Pass			
								3.85	1.802	0.0022	-2.5 to 2.5	Pass
								4.40	2.232	0.0027	-2.5 to 2.5	Pass
							-30	3.85	2.575	0.0031	-2.5 to 2.5	Pass
							-20	3.85	1.674	0.0020	-2.5 to 2.5	Pass
							-10	3.85	1.302	0.0016	-2.5 to 2.5	Pass
							0	3.85	1.001	0.0012	-2.5 to 2.5	Pass
							10	3.85	0.443	0.0005	-2.5 to 2.5	Pass
							30	3.85	0.944	0.0011	-2.5 to 2.5	Pass
							40	3.85	1.230	0.0015	-2.5 to 2.5	Pass
				50	3.85	1.187	0.0014	-2.5 to 2.5	Pass			

### 5.3 B26a\_5MHz

#### 5.3.1 Test Result

Band: 26a / Bandwidth: 5MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	816.5	25	0	20	3.50	0.443	0.0005	-2.5 to 2.5	Pass				
						3.85	-0.715	-0.0009	-2.5 to 2.5	Pass			
						4.40	0.930	0.0011	-2.5 to 2.5	Pass			
							-30	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass	
							-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass	
							-10	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass	
							0	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass	
							10	3.85	0.658	0.0008	-2.5 to 2.5	Pass	
							30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass	
							40	3.85	0.172	0.0002	-2.5 to 2.5	Pass	
				50	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass				
		819	25	0	20	3.50	2.561	0.0031	-2.5 to 2.5	Pass			
									3.85	2.332	0.0028	-2.5 to 2.5	Pass
									4.40	1.988	0.0024	-2.5 to 2.5	Pass
							-30	3.85	1.402	0.0017	-2.5 to 2.5	Pass	
					-20	3.85	1.659	0.0020	-2.5 to 2.5	Pass			

				-10	3.85	2.232	0.0027	-2.5 to 2.5	Pass			
				0	3.85	2.317	0.0028	-2.5 to 2.5	Pass			
				10	3.85	2.561	0.0031	-2.5 to 2.5	Pass			
				30	3.85	2.489	0.0030	-2.5 to 2.5	Pass			
				40	3.85	3.347	0.0041	-2.5 to 2.5	Pass			
				50	3.85	1.388	0.0017	-2.5 to 2.5	Pass			
	821.5	25	0	20	3.50	1.774	0.0022	-2.5 to 2.5	Pass			
					3.85	1.531	0.0019	-2.5 to 2.5	Pass			
					4.40	1.073	0.0013	-2.5 to 2.5	Pass			
				-30	3.85	1.574	0.0019	-2.5 to 2.5	Pass			
				-20	3.85	1.173	0.0014	-2.5 to 2.5	Pass			
				-10	3.85	2.046	0.0025	-2.5 to 2.5	Pass			
				0	3.85	1.903	0.0023	-2.5 to 2.5	Pass			
				10	3.85	1.702	0.0021	-2.5 to 2.5	Pass			
				30	3.85	1.817	0.0022	-2.5 to 2.5	Pass			
40				3.85	2.117	0.0026	-2.5 to 2.5	Pass				
50				3.85	0.687	0.0008	-2.5 to 2.5	Pass				
16QAM				816.5	25	0	20	3.50	2.403	0.0029	-2.5 to 2.5	Pass
								3.85	2.789	0.0034	-2.5 to 2.5	Pass
								4.40	1.760	0.0022	-2.5 to 2.5	Pass
							-30	3.85	2.789	0.0034	-2.5 to 2.5	Pass
	-20	3.85	1.974				0.0024	-2.5 to 2.5	Pass			
	-10	3.85	1.559				0.0019	-2.5 to 2.5	Pass			
	0	3.85	1.574				0.0019	-2.5 to 2.5	Pass			
	10	3.85	1.473				0.0018	-2.5 to 2.5	Pass			
	30	3.85	0.901				0.0011	-2.5 to 2.5	Pass			
	40	3.85	1.545				0.0019	-2.5 to 2.5	Pass			
	50	3.85	1.473				0.0018	-2.5 to 2.5	Pass			
	819	25	0				20	3.50	3.133	0.0038	-2.5 to 2.5	Pass
								3.85	1.602	0.0020	-2.5 to 2.5	Pass
								4.40	2.661	0.0032	-2.5 to 2.5	Pass
							-30	3.85	2.131	0.0026	-2.5 to 2.5	Pass
-20				3.85	2.632	0.0032	-2.5 to 2.5	Pass				
-10				3.85	1.388	0.0017	-2.5 to 2.5	Pass				
0				3.85	2.232	0.0027	-2.5 to 2.5	Pass				
10				3.85	2.074	0.0025	-2.5 to 2.5	Pass				
30				3.85	2.675	0.0033	-2.5 to 2.5	Pass				
40				3.85	2.446	0.0030	-2.5 to 2.5	Pass				
50				3.85	1.960	0.0024	-2.5 to 2.5	Pass				
821.5				25	0	20	3.50	-0.157	-0.0002	-2.5 to 2.5	Pass	
							3.85	-0.143	-0.0002	-2.5 to 2.5	Pass	
							4.40	0.286	0.0003	-2.5 to 2.5	Pass	
						-30	3.85	0.343	0.0004	-2.5 to 2.5	Pass	
	-20	3.85	0.458			0.0006	-2.5 to 2.5	Pass				
	-10	3.85	0.129			0.0002	-2.5 to 2.5	Pass				
	0	3.85	0.987			0.0012	-2.5 to 2.5	Pass				
	10	3.85	0.987			0.0012	-2.5 to 2.5	Pass				
	30	3.85	0.443			0.0005	-2.5 to 2.5	Pass				
	40	3.85	0.429			0.0005	-2.5 to 2.5	Pass				
	50	3.85	1.245			0.0015	-2.5 to 2.5	Pass				

## 5.4 B26a\_10MHz

### 5.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.50	0.515	0.0006	-2.5 to 2.5	Pass
					3.85	0.887	0.0011	-2.5 to 2.5	Pass
					4.40	0.486	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0006	-2.5 to 2.5	Pass
50	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass				
16QAM	819	50	0	20	3.50	1.588	0.0019	-2.5 to 2.5	Pass
					3.85	1.431	0.0017	-2.5 to 2.5	Pass
					4.40	1.059	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.017	0.0025	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0006	-2.5 to 2.5	Pass
50	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass				

## 6. Frequency Stability

### 6.1 B26b\_1.4MHz

#### 6.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.50	-20.027	-0.0243	-2.5 to 2.5	Pass
					3.85	-12.245	-0.0148	-2.5 to 2.5	Pass
					4.40	-7.510	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-5.336	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
	40	3.85	0.286	0.0003	-2.5 to 2.5	Pass			
	50	3.85	1.159	0.0014	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.50	-17.424	-0.0208	-2.5 to 2.5	Pass
					3.85	-20.227	-0.0242	-2.5 to 2.5	Pass
					4.40	-14.548	-0.0174	-2.5 to 2.5	Pass
				-30	3.85	-8.583	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
10				3.85	-0.172	-0.0002	-2.5 to 2.5	Pass	



				30	3.85	1.359	0.0016	-2.5 to 2.5	Pass			
				40	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass			
				50	3.85	0.486	0.0006	-2.5 to 2.5	Pass			
				20	3.50	-21.572	-0.0254	-2.5 to 2.5	Pass			
					3.85	-16.422	-0.0194	-2.5 to 2.5	Pass			
					4.40	-9.942	-0.0117	-2.5 to 2.5	Pass			
				-30	3.85	-6.108	-0.0072	-2.5 to 2.5	Pass			
				-20	3.85	-3.576	-0.0042	-2.5 to 2.5	Pass			
				-10	3.85	-0.458	-0.0005	-2.5 to 2.5	Pass			
				0	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass			
				10	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass			
				30	3.85	1.702	0.0020	-2.5 to 2.5	Pass			
				40	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass			
				50	3.85	1.373	0.0016	-2.5 to 2.5	Pass			
				16QAM	824.7	6	0	20	3.50	10.629	0.0129	-2.5 to 2.5
3.85	14.362	0.0174	-2.5 to 2.5						Pass			
4.40	14.105	0.0171	-2.5 to 2.5						Pass			
-30	3.85	11.873	0.0144					-2.5 to 2.5	Pass			
-20	3.85	8.554	0.0104					-2.5 to 2.5	Pass			
-10	3.85	5.522	0.0067					-2.5 to 2.5	Pass			
0	3.85	4.020	0.0049					-2.5 to 2.5	Pass			
10	3.85	2.146	0.0026					-2.5 to 2.5	Pass			
30	3.85	2.246	0.0027					-2.5 to 2.5	Pass			
40	3.85	1.488	0.0018					-2.5 to 2.5	Pass			
50	3.85	1.073	0.0013					-2.5 to 2.5	Pass			
836.5	6	0	20					3.50	-21.744	-0.0260	-2.5 to 2.5	Pass
								3.85	-15.850	-0.0189	-2.5 to 2.5	Pass
								4.40	-10.314	-0.0123	-2.5 to 2.5	Pass
			-30					3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
			-20		3.85	-3.047	-0.0036	-2.5 to 2.5	Pass			
			-10		3.85	-0.858	-0.0010	-2.5 to 2.5	Pass			
			0		3.85	-0.057	-0.0001	-2.5 to 2.5	Pass			
			10		3.85	0.529	0.0006	-2.5 to 2.5	Pass			
			30		3.85	0.029	0.0000	-2.5 to 2.5	Pass			
40	3.85	0.615	0.0007		-2.5 to 2.5	Pass						
50	3.85	-0.072	-0.0001		-2.5 to 2.5	Pass						
848.3	6	0	20		3.50	-20.471	-0.0241	-2.5 to 2.5	Pass			
					3.85	-13.175	-0.0155	-2.5 to 2.5	Pass			
					4.40	-8.311	-0.0098	-2.5 to 2.5	Pass			
			-30		3.85	-5.450	-0.0064	-2.5 to 2.5	Pass			
			-20		3.85	-2.589	-0.0031	-2.5 to 2.5	Pass			
			-10	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass				
			0	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass				
			10	3.85	1.316	0.0016	-2.5 to 2.5	Pass				
			30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass				
40	3.85	0.672	0.0008	-2.5 to 2.5	Pass							
50	3.85	1.459	0.0017	-2.5 to 2.5	Pass							

## 6.2 B26b\_3MHz

### 6.2.1 Test Result

Band: 26b / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	825.5	15	0	20	3.50	0.157	0.0002	-2.5 to 2.5	Pass							
					3.85	1.702	0.0021	-2.5 to 2.5	Pass							
					4.40	1.245	0.0015	-2.5 to 2.5	Pass							
				836.5	15	0	-30	3.85	1.731	0.0021	-2.5 to 2.5	Pass				
								-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass			
								-10	3.85	0.501	0.0006	-2.5 to 2.5	Pass			
							847.5	15	0	0	3.85	0.701	0.0008	-2.5 to 2.5	Pass	
											10	3.85	1.116	0.0014	-2.5 to 2.5	Pass
											30	3.85	0.501	0.0006	-2.5 to 2.5	Pass
	825.5	15	0							40	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass	
											50	3.85	0.601	0.0007	-2.5 to 2.5	Pass
											20	3.50	0.772	0.0009	-2.5 to 2.5	Pass
				3.85	0.143	0.0002				-2.5 to 2.5		Pass				
				4.40	1.431	0.0017				-2.5 to 2.5		Pass				
				836.5	15	0				-30	3.85	1.516	0.0018	-2.5 to 2.5	Pass	
							-20	3.85	2.146		0.0026	-2.5 to 2.5	Pass			
							-10	3.85	0.672		0.0008	-2.5 to 2.5	Pass			
							847.5	15	0	0	3.85	0.529	0.0006	-2.5 to 2.5	Pass	
	10	3.85	0.687								0.0008	-2.5 to 2.5	Pass			
	30	3.85	0.715								0.0009	-2.5 to 2.5	Pass			
	825.5	15	0							40	3.85	1.302	0.0016	-2.5 to 2.5	Pass	
											50	3.85	0.415	0.0005	-2.5 to 2.5	Pass
											20	3.50	1.831	0.0022	-2.5 to 2.5	Pass
				3.85	0.916	0.0011				-2.5 to 2.5		Pass				
				4.40	0.830	0.0010				-2.5 to 2.5		Pass				
				836.5	15	0				-30	3.85	1.330	0.0016	-2.5 to 2.5	Pass	
							-20	3.85	2.046		0.0024	-2.5 to 2.5	Pass			
-10							3.85	2.489	0.0029		-2.5 to 2.5	Pass				
847.5							15	0	0	3.85	1.945	0.0023	-2.5 to 2.5	Pass		
	10	3.85	1.187							0.0014	-2.5 to 2.5	Pass				
	30	3.85	2.360							0.0028	-2.5 to 2.5	Pass				
	825.5	15	0						40	3.85	1.245	0.0015	-2.5 to 2.5	Pass		
										50	3.85	1.717	0.0020	-2.5 to 2.5	Pass	
										20	3.50	1.574	0.0019	-2.5 to 2.5	Pass	
				3.85	1.817	0.0022			-2.5 to 2.5		Pass					
				4.40	1.631	0.0020			-2.5 to 2.5		Pass					
				836.5	15	0			-30	3.85	0.329	0.0004	-2.5 to 2.5	Pass		
-20							3.85	0.973		0.0012	-2.5 to 2.5	Pass				
-10							3.85	1.559		0.0019	-2.5 to 2.5	Pass				
847.5							15	0	0	3.85	1.960	0.0024	-2.5 to 2.5	Pass		
	10	3.85	2.146							0.0026	-2.5 to 2.5	Pass				
	30	3.85	2.489							0.0030	-2.5 to 2.5	Pass				
	825.5	15	0						40	3.85	3.262	0.0040	-2.5 to 2.5	Pass		
										50	3.85	3.519	0.0043	-2.5 to 2.5	Pass	
										20	3.50	1.974	0.0024	-2.5 to 2.5	Pass	
				3.85	2.246	0.0027			-2.5 to 2.5		Pass					
				4.40	1.931	0.0023			-2.5 to 2.5		Pass					
				836.5	15	0			-30	3.85	3.004	0.0036	-2.5 to 2.5	Pass		
-20							3.85	1.488		0.0018	-2.5 to 2.5	Pass				
-10							3.85	1.130		0.0014	-2.5 to 2.5	Pass				
847.5							15	0	0	3.85	1.259	0.0015	-2.5 to 2.5	Pass		
	10	3.85	0.372							0.0004	-2.5 to 2.5	Pass				
	30	3.85	1.988							0.0024	-2.5 to 2.5	Pass				
	825.5	15	0						40	3.85	2.346	0.0028	-2.5 to 2.5	Pass		
										50	3.85	1.030	0.0012	-2.5 to 2.5	Pass	
										20	3.50	-0.072	-0.0001	-2.5 to 2.5	Pass	
				3.85	-0.100	-0.0001			-2.5 to 2.5		Pass					

					4.40	-0.215	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.687	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.958	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.016	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.787	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass

### 6.3 B26b\_5MHz

#### 6.3.1 Test Result

Band: 26b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.50	2.089	0.0025	-2.5 to 2.5	Pass
					3.85	1.130	0.0014	-2.5 to 2.5	Pass
					4.40	1.760	0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0021	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0023	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				10	3.85	3.204	0.0039	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0013	-2.5 to 2.5	Pass
	40	3.85	2.246	0.0027	-2.5 to 2.5	Pass			
	50	3.85	0.701	0.0008	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.50	1.030	0.0012	-2.5 to 2.5	Pass
					3.85	1.359	0.0016	-2.5 to 2.5	Pass
					4.40	0.572	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.373	0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.017	0.0024	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				10	3.85	2.475	0.0030	-2.5 to 2.5	Pass
				30	3.85	1.602	0.0019	-2.5 to 2.5	Pass
	40	3.85	0.601	0.0007	-2.5 to 2.5	Pass			
	50	3.85	0.887	0.0011	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.50	2.375	0.0028	-2.5 to 2.5	Pass
					3.85	2.289	0.0027	-2.5 to 2.5	Pass
					4.40	2.403	0.0028	-2.5 to 2.5	Pass
				-30	3.85	3.104	0.0037	-2.5 to 2.5	Pass
				-20	3.85	2.818	0.0033	-2.5 to 2.5	Pass
-10				3.85	2.632	0.0031	-2.5 to 2.5	Pass	
0				3.85	1.688	0.0020	-2.5 to 2.5	Pass	
10				3.85	1.273	0.0015	-2.5 to 2.5	Pass	
30				3.85	1.760	0.0021	-2.5 to 2.5	Pass	
40	3.85	1.359	0.0016	-2.5 to 2.5	Pass				
50	3.85	1.473	0.0017	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.50	0.472	0.0006	-2.5 to 2.5	Pass
					3.85	1.516	0.0018	-2.5 to 2.5	Pass
					4.40	1.144	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.203	0.0027	-2.5 to 2.5	Pass

				-10	3.85	2.947	0.0036	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				10	3.85	2.589	0.0031	-2.5 to 2.5	Pass
				30	3.85	1.988	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0017	-2.5 to 2.5	Pass
				50	3.85	0.501	0.0006	-2.5 to 2.5	Pass
	836.5	25	0	20	3.50	0.157	0.0002	-2.5 to 2.5	Pass
					3.85	0.801	0.0010	-2.5 to 2.5	Pass
					4.40	0.458	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.574	0.0019	-2.5 to 2.5	Pass
				0	3.85	1.044	0.0012	-2.5 to 2.5	Pass
				10	3.85	2.246	0.0027	-2.5 to 2.5	Pass
				30	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.875	0.0034	-2.5 to 2.5	Pass
	50	3.85	1.845	0.0022	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.50	1.473	0.0017	-2.5 to 2.5	Pass
					3.85	1.302	0.0015	-2.5 to 2.5	Pass
					4.40	1.173	0.0014	-2.5 to 2.5	Pass
-30				3.85	1.259	0.0015	-2.5 to 2.5	Pass	
-20				3.85	1.802	0.0021	-2.5 to 2.5	Pass	
-10				3.85	1.717	0.0020	-2.5 to 2.5	Pass	
0				3.85	2.260	0.0027	-2.5 to 2.5	Pass	
10				3.85	1.631	0.0019	-2.5 to 2.5	Pass	
30				3.85	1.574	0.0019	-2.5 to 2.5	Pass	
40				3.85	2.575	0.0030	-2.5 to 2.5	Pass	
50	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass				

## 6.4 B26b\_10MHz

### 6.4.1 Test Result

Band: 26b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.50	-1.774	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
					4.40	-0.701	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
	40	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass			
	50	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.50	-0.186	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
					4.40	-0.930	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
10				3.85	-0.887	-0.0011	-2.5 to 2.5	Pass	

				30	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass			
				40	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass			
				50	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass			
				20	3.50	-0.501	-0.0006	-2.5 to 2.5	Pass			
					3.85	-0.343	-0.0004	-2.5 to 2.5	Pass			
					4.40	0.043	0.0001	-2.5 to 2.5	Pass			
				-30	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass			
				-20	3.85	0.315	0.0004	-2.5 to 2.5	Pass			
				-10	3.85	0.172	0.0002	-2.5 to 2.5	Pass			
				0	3.85	0.257	0.0003	-2.5 to 2.5	Pass			
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass			
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass			
				40	3.85	-1.330	-0.0016	-2.5 to 2.5	Pass			
				50	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass			
				16QAM	829	50	0	20	3.50	-1.545	-0.0019	-2.5 to 2.5
3.85	-1.030	-0.0012	-2.5 to 2.5						Pass			
4.40	-1.345	-0.0016	-2.5 to 2.5						Pass			
-30	3.85	-0.401	-0.0005					-2.5 to 2.5	Pass			
-20	3.85	-0.257	-0.0003					-2.5 to 2.5	Pass			
-10	3.85	-0.057	-0.0001					-2.5 to 2.5	Pass			
0	3.85	-0.558	-0.0007					-2.5 to 2.5	Pass			
10	3.85	-0.558	-0.0007					-2.5 to 2.5	Pass			
30	3.85	-0.744	-0.0009					-2.5 to 2.5	Pass			
40	3.85	-0.772	-0.0009					-2.5 to 2.5	Pass			
50	3.85	-0.701	-0.0008					-2.5 to 2.5	Pass			
836.5	50	0	20					3.50	-1.001	-0.0012	-2.5 to 2.5	Pass
								3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
								4.40	-1.001	-0.0012	-2.5 to 2.5	Pass
			-30					3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
			-20		3.85	-0.730	-0.0009	-2.5 to 2.5	Pass			
			-10		3.85	-0.830	-0.0010	-2.5 to 2.5	Pass			
			0		3.85	-0.401	-0.0005	-2.5 to 2.5	Pass			
			10		3.85	0.014	0.0000	-2.5 to 2.5	Pass			
			30		3.85	-0.029	0.0000	-2.5 to 2.5	Pass			
40	3.85	-0.629	-0.0008		-2.5 to 2.5	Pass						
50	3.85	0.200	0.0002		-2.5 to 2.5	Pass						
844	50	0	20		3.50	-0.758	-0.0009	-2.5 to 2.5	Pass			
					3.85	-0.329	-0.0004	-2.5 to 2.5	Pass			
					4.40	-0.129	-0.0002	-2.5 to 2.5	Pass			
			-30		3.85	-0.701	-0.0008	-2.5 to 2.5	Pass			
			-20		3.85	-0.215	-0.0003	-2.5 to 2.5	Pass			
			-10	3.85	-1.302	-0.0015	-2.5 to 2.5	Pass				
			0	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass				
			10	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass				
			30	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass				
			40	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass				
			50	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass				

## 7. Frequency Stability

### 7.1 B26c\_15MHz

#### 7.1.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	821.5	75	0	20	3.50	-1.059	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
					4.40	-1.073	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
	50	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.50	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
					4.40	0.701	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.373	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0013	-2.5 to 2.5	Pass
	50	3.85	0.672	0.0008	-2.5 to 2.5	Pass			
	841.5	75	0	20	3.50	0.587	0.0007	-2.5 to 2.5	Pass
					3.85	1.330	0.0016	-2.5 to 2.5	Pass
					4.40	-0.186	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				0	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.629	-0.0007	-2.5 to 2.5	Pass
30				3.85	0.157	0.0002	-2.5 to 2.5	Pass	
40				3.85	0.329	0.0004	-2.5 to 2.5	Pass	
50	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass				
16QAM	821.5	75	0	20	3.50	-0.501	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
					4.40	-0.772	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.060	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.202	-0.0015	-2.5 to 2.5	Pass
	50	3.85	-1.545	-0.0019	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.50	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.40	-0.515	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
40				3.85	-0.157	-0.0002	-2.5 to 2.5	Pass	

	841.5	75	0	50	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				20	3.50	-0.944	-0.0011	-2.5 to 2.5	Pass
					3.85	0.129	0.0002	-2.5 to 2.5	Pass
					4.40	0.916	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.601	0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass

## 8. Frequency Stability

### 8.1 B38\_5MHz

#### 8.1.1 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	3.50	1.073	0.0004	-2.5 to 2.5	Pass			
					3.85	0.257	0.0001	-2.5 to 2.5	Pass			
					4.40	3.605	0.0014	-2.5 to 2.5	Pass			
				-30	3.85	2.618	0.0010	-2.5 to 2.5	Pass			
				-20	3.85	2.675	0.0010	-2.5 to 2.5	Pass			
				-10	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass			
				0	3.85	1.202	0.0005	-2.5 to 2.5	Pass			
				10	3.85	1.230	0.0005	-2.5 to 2.5	Pass			
				30	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass			
				40	3.85	0.272	0.0001	-2.5 to 2.5	Pass			
				50	3.85	2.375	0.0009	-2.5 to 2.5	Pass			
				2595	25	0	20	3.50	-1.259	-0.0005	-2.5 to 2.5	Pass
								3.85	2.418	0.0009	-2.5 to 2.5	Pass
								4.40	1.888	0.0007	-2.5 to 2.5	Pass
							-30	3.85	0.958	0.0004	-2.5 to 2.5	Pass
	-20	3.85	1.187				0.0005	-2.5 to 2.5	Pass			
	-10	3.85	0.272				0.0001	-2.5 to 2.5	Pass			
	0	3.85	2.661				0.0010	-2.5 to 2.5	Pass			
	10	3.85	-0.901				-0.0003	-2.5 to 2.5	Pass			
	30	3.85	3.304				0.0013	-2.5 to 2.5	Pass			
	40	3.85	1.903				0.0007	-2.5 to 2.5	Pass			
	50	3.85	1.817				0.0007	-2.5 to 2.5	Pass			
	2617.5	25	0				20	3.50	-2.160	-0.0008	-2.5 to 2.5	Pass
								3.85	0.529	0.0002	-2.5 to 2.5	Pass
								4.40	-1.488	-0.0006	-2.5 to 2.5	Pass
							-30	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0016	-2.5 to 2.5	Pass			
				-10	3.85	0.300	0.0001	-2.5 to 2.5	Pass			
				0	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass			
				10	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass			
30				3.85	-0.429	-0.0002	-2.5 to 2.5	Pass				
40				3.85	-0.029	0.0000	-2.5 to 2.5	Pass				

				50	3.85	0.587	0.0002	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.50	0.701	0.0003	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
					4.40	-0.930	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.873	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.144	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0001	-2.5 to 2.5	Pass
	50	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass			
	2595	25	0	20	3.50	-0.916	-0.0004	-2.5 to 2.5	Pass
					3.85	1.817	0.0007	-2.5 to 2.5	Pass
					4.40	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	2.174	0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.661	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0005	-2.5 to 2.5	Pass
	50	3.85	1.502	0.0006	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.50	0.186	0.0001	-2.5 to 2.5	Pass
					3.85	2.089	0.0008	-2.5 to 2.5	Pass
					4.40	1.259	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.187	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.731	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
30				3.85	-2.818	-0.0011	-2.5 to 2.5	Pass	
40				3.85	0.486	0.0002	-2.5 to 2.5	Pass	
50	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass				

## 8.2 B38\_10MHz

### 8.2.1 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	3.50	-4.478	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
					4.40	-2.217	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.174	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.003	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.160	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
	50	3.85	1.745	0.0007	-2.5 to 2.5	Pass			
	2595	50	0	20	3.50	-2.761	-0.0011	-2.5 to 2.5	Pass
					3.85	1.373	0.0005	-2.5 to 2.5	Pass



					4.40	0.343	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.945	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0010	-2.5 to 2.5	Pass
				30	3.85	1.588	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
				50	3.85	1.688	0.0007	-2.5 to 2.5	Pass
	2615	50	0	20	3.50	0.443	0.0002	-2.5 to 2.5	Pass
					3.85	1.144	0.0004	-2.5 to 2.5	Pass
					4.40	-3.519	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-4.849	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.144	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0011	-2.5 to 2.5	Pass
				30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
40	3.85	2.432	0.0009	-2.5 to 2.5	Pass				
50	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass				
16QAM	2575	50	0	20	3.50	-2.403	-0.0009	-2.5 to 2.5	Pass
					3.85	1.459	0.0006	-2.5 to 2.5	Pass
					4.40	-4.992	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				2595	50	0	20	3.50	1.187
	3.85	0.873	0.0003					-2.5 to 2.5	Pass
	4.40	2.031	0.0008					-2.5 to 2.5	Pass
	-30	3.85	-2.589				-0.0010	-2.5 to 2.5	Pass
	-20	3.85	-2.489				-0.0010	-2.5 to 2.5	Pass
	-10	3.85	0.844				0.0003	-2.5 to 2.5	Pass
	0	3.85	-2.389				-0.0009	-2.5 to 2.5	Pass
	10	3.85	2.160				0.0008	-2.5 to 2.5	Pass
	30	3.85	-2.618				-0.0010	-2.5 to 2.5	Pass
	40	3.85	-2.475				-0.0010	-2.5 to 2.5	Pass
	50	3.85	2.646				0.0010	-2.5 to 2.5	Pass
	2615	50	0				20	3.50	-1.931
				3.85	-3.533	-0.0014		-2.5 to 2.5	Pass
				4.40	1.316	0.0005		-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.548	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0009	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0005	-2.5 to 2.5	Pass
				50	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass

8.3 B38\_15MHz

### 8.3.1 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	3.50	-2.375	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
					4.40	-3.963	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
	50	3.85	-2.475	-0.0010	-2.5 to 2.5	Pass			
	2595	75	0	20	3.50	-0.172	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
					4.40	1.917	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.931	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.129	0.0000	-2.5 to 2.5	Pass
	50	3.85	1.645	0.0006	-2.5 to 2.5	Pass			
	2612.5	75	0	20	3.50	1.359	0.0005	-2.5 to 2.5	Pass
					3.85	0.987	0.0004	-2.5 to 2.5	Pass
					4.40	-1.988	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.604	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.289	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.774	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0003	-2.5 to 2.5	Pass
30				3.85	-1.874	-0.0007	-2.5 to 2.5	Pass	
40				3.85	-1.731	-0.0007	-2.5 to 2.5	Pass	
50	3.85	1.502	0.0006	-2.5 to 2.5	Pass				
16QAM	2577.5	75	0	20	3.50	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	0.615	0.0002	-2.5 to 2.5	Pass
					4.40	-2.131	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.747	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass
				10	3.85	2.246	0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.587	0.0002	-2.5 to 2.5	Pass
	50	3.85	2.489	0.0010	-2.5 to 2.5	Pass			
	2595	75	0	20	3.50	-1.831	-0.0007	-2.5 to 2.5	Pass
					3.85	1.144	0.0004	-2.5 to 2.5	Pass
					4.40	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.916	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				0	3.85	2.074	0.0008	-2.5 to 2.5	Pass

				10	3.85	1.044	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				50	3.85	2.646	0.0010	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.50	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	0.772	0.0003	-2.5 to 2.5	Pass
					4.40	1.416	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.791	-0.0015	-2.5 to 2.5	Pass
				0	3.85	1.044	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0008	-2.5 to 2.5	Pass
				50	3.85	1.130	0.0004	-2.5 to 2.5	Pass

## 8.4 B38\_20MHz

### 8.4.1 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	3.50	-1.345	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
					4.40	1.001	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.418	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.616	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
				2595	100	0	20	3.50	0.973
	3.85	2.174	0.0008					-2.5 to 2.5	Pass
	4.40	-0.844	-0.0003					-2.5 to 2.5	Pass
	-30	3.85	0.072				0.0000	-2.5 to 2.5	Pass
	-20	3.85	1.202				0.0005	-2.5 to 2.5	Pass
	-10	3.85	1.101				0.0004	-2.5 to 2.5	Pass
	0	3.85	-0.129				0.0000	-2.5 to 2.5	Pass
	10	3.85	-1.001				-0.0004	-2.5 to 2.5	Pass
	30	3.85	-0.458				-0.0002	-2.5 to 2.5	Pass
	40	3.85	-1.245				-0.0005	-2.5 to 2.5	Pass
	50	3.85	0.458				0.0002	-2.5 to 2.5	Pass
	2610	100	0				20	3.50	-2.704
				3.85	1.860	0.0007		-2.5 to 2.5	Pass
				4.40	-0.486	-0.0002		-2.5 to 2.5	Pass
				-30	3.85	0.544	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.259	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass

				50	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.50	-1.459	-0.0006	-2.5 to 2.5	Pass
					3.85	2.861	0.0011	-2.5 to 2.5	Pass
				4.40	-2.260	-0.0009	-2.5 to 2.5	Pass	
				-30	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.275	0.0009	-2.5 to 2.5	Pass
	50	3.85	1.259	0.0005	-2.5 to 2.5	Pass			
	2595	100	0	20	3.50	2.146	0.0008	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
				4.40	1.616	0.0006	-2.5 to 2.5	Pass	
				-30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.688	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.330	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
	50	3.85	0.229	0.0001	-2.5 to 2.5	Pass			
	2610	100	0	20	3.50	-0.801	-0.0003	-2.5 to 2.5	Pass
					3.85	0.501	0.0002	-2.5 to 2.5	Pass
				4.40	-1.345	-0.0005	-2.5 to 2.5	Pass	
				-30	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.130	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.930	0.0004	-2.5 to 2.5	Pass
30				3.85	-1.917	-0.0007	-2.5 to 2.5	Pass	
40				3.85	-0.014	0.0000	-2.5 to 2.5	Pass	
50	3.85	1.144	0.0004	-2.5 to 2.5	Pass				

## 9. Frequency Stability

### 9.1 B4\_1.4MHz

#### 9.1.1 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	3.50	12.817	0.0075	-2.5 to 2.5	Pass
					3.85	9.527	0.0056	-2.5 to 2.5	Pass
					4.40	8.640	0.0051	-2.5 to 2.5	Pass
				-30	3.85	6.294	0.0037	-2.5 to 2.5	Pass
				-20	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				-10	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.373	0.0008	-2.5 to 2.5	Pass

	1732.5	6	0	50	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				20	3.50	-20.185	-0.0117	-2.5 to 2.5	Pass
					3.85	-15.736	-0.0091	-2.5 to 2.5	Pass
					4.40	-11.086	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
	30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass			
	40	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass			
	50	3.85	0.687	0.0004	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.50	2.289	0.0013	-2.5 to 2.5	Pass
					3.85	6.123	0.0035	-2.5 to 2.5	Pass
					4.40	7.582	0.0043	-2.5 to 2.5	Pass
				-30	3.85	8.197	0.0047	-2.5 to 2.5	Pass
				-20	3.85	13.719	0.0078	-2.5 to 2.5	Pass
				-10	3.85	12.116	0.0069	-2.5 to 2.5	Pass
0				3.85	11.015	0.0063	-2.5 to 2.5	Pass	
10				3.85	9.155	0.0052	-2.5 to 2.5	Pass	
30				3.85	9.813	0.0056	-2.5 to 2.5	Pass	
40	3.85	7.739	0.0044	-2.5 to 2.5	Pass				
50	3.85	6.022	0.0034	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.50	2.675	0.0016	-2.5 to 2.5	Pass
					3.85	1.402	0.0008	-2.5 to 2.5	Pass
					4.40	1.903	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.317	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.945	0.0011	-2.5 to 2.5	Pass
	40	3.85	1.874	0.0011	-2.5 to 2.5	Pass			
	50	3.85	0.157	0.0001	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.50	1.316	0.0008	-2.5 to 2.5	Pass
					3.85	1.473	0.0009	-2.5 to 2.5	Pass
					4.40	1.044	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0011	-2.5 to 2.5	Pass
10				3.85	1.044	0.0006	-2.5 to 2.5	Pass	
30				3.85	1.674	0.0010	-2.5 to 2.5	Pass	
40	3.85	0.987	0.0006	-2.5 to 2.5	Pass				
50	3.85	1.416	0.0008	-2.5 to 2.5	Pass				
1754.3	6	0	20	3.50	4.320	0.0025	-2.5 to 2.5	Pass	
				3.85	3.405	0.0019	-2.5 to 2.5	Pass	
				4.40	3.219	0.0018	-2.5 to 2.5	Pass	
			-30	3.85	2.403	0.0014	-2.5 to 2.5	Pass	
			-20	3.85	2.689	0.0015	-2.5 to 2.5	Pass	
			-10	3.85	2.060	0.0012	-2.5 to 2.5	Pass	
			0	3.85	1.903	0.0011	-2.5 to 2.5	Pass	
			10	3.85	1.473	0.0008	-2.5 to 2.5	Pass	
			30	3.85	1.802	0.0010	-2.5 to 2.5	Pass	
40	3.85	1.230	0.0007	-2.5 to 2.5	Pass				
50	3.85	3.576	0.0020	-2.5 to 2.5	Pass				

## 9.2 B4\_3MHz

### 9.2.1 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	3.50	-0.515	-0.0003	-2.5 to 2.5	Pass	
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass	
					4.40	-1.817	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass	
					-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
						-10	3.85	0.458	0.0003	-2.5 to 2.5
				0	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass	
					10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass	
	40	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass				
	50	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass				
	1732.5	15	0	20	3.50	0.486	0.0003	-2.5 to 2.5	Pass	
					3.85	0.458	0.0003	-2.5 to 2.5	Pass	
					4.40	-0.358	-0.0002	-2.5 to 2.5	Pass	
				-30	3.85	0.644	0.0004	-2.5 to 2.5	Pass	
					-20	3.85	0.973	0.0006	-2.5 to 2.5	Pass
						-10	3.85	1.817	0.0010	-2.5 to 2.5
				0	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass	
					10	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.873	0.0005	-2.5 to 2.5	Pass	
	40	3.85	0.801	0.0005	-2.5 to 2.5	Pass				
	50	3.85	0.057	0.0000	-2.5 to 2.5	Pass				
	1753.5	15	0	20	3.50	0.272	0.0002	-2.5 to 2.5	Pass	
					3.85	-0.157	-0.0001	-2.5 to 2.5	Pass	
					4.40	-0.501	-0.0003	-2.5 to 2.5	Pass	
				-30	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass	
					-20	3.85	0.987	0.0006	-2.5 to 2.5	Pass
-10						3.85	1.144	0.0007	-2.5 to 2.5	Pass
0				3.85	-0.701	-0.0004	-2.5 to 2.5	Pass		
				10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass	
30				3.85	1.216	0.0007	-2.5 to 2.5	Pass		
40	3.85	0.172	0.0001	-2.5 to 2.5	Pass					
50	3.85	0.486	0.0003	-2.5 to 2.5	Pass					
16QAM	1711.5	15	0	20	3.50	-0.973	-0.0006	-2.5 to 2.5	Pass	
					3.85	-1.159	-0.0007	-2.5 to 2.5	Pass	
					4.40	-1.273	-0.0007	-2.5 to 2.5	Pass	
				-30	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass	
					-20	3.85	0.100	0.0001	-2.5 to 2.5	Pass
						-10	3.85	-0.587	-0.0003	-2.5 to 2.5
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass	
					10	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass	
	40	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass				
	50	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass				
	1732.5	15	0	20	3.50	0.572	0.0003	-2.5 to 2.5	Pass	
					3.85	0.787	0.0005	-2.5 to 2.5	Pass	
					4.40	0.386	0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass	
-20					3.85	0.100	0.0001	-2.5 to 2.5	Pass	

				-10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				40	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.50	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
					4.40	1.574	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0004	-2.5 to 2.5	Pass

### 9.3 B4\_5MHz

#### 9.3.1 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	3.50	-1.760	-0.0010	-2.5 to 2.5	Pass
					3.85	0.429	0.0003	-2.5 to 2.5	Pass
					4.40	-1.230	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.974	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				1732.5	25	0	20	3.50	-0.687
	3.85	-1.202	-0.0007					-2.5 to 2.5	Pass
	4.40	-1.502	-0.0009					-2.5 to 2.5	Pass
	-30	3.85	-1.574				-0.0009	-2.5 to 2.5	Pass
	-20	3.85	-1.874				-0.0011	-2.5 to 2.5	Pass
	-10	3.85	-1.044				-0.0006	-2.5 to 2.5	Pass
	0	3.85	-0.715				-0.0004	-2.5 to 2.5	Pass
	10	3.85	-1.502				-0.0009	-2.5 to 2.5	Pass
	30	3.85	-1.273				-0.0007	-2.5 to 2.5	Pass
	40	3.85	-2.031				-0.0012	-2.5 to 2.5	Pass
	50	3.85	-0.644				-0.0004	-2.5 to 2.5	Pass
	1752.5	25	0				20	3.50	-1.116
				3.85	-0.644	-0.0004		-2.5 to 2.5	Pass
				4.40	-0.186	-0.0001		-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.072	0.0000	-2.5 to 2.5	Pass

				30	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.50	-2.832	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
					4.40	-1.202	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.50	-2.360	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
					4.40	-1.988	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.50	-1.473	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
					4.40	-1.602	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
30				3.85	-0.901	-0.0005	-2.5 to 2.5	Pass	
40				3.85	-0.758	-0.0004	-2.5 to 2.5	Pass	
50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass				

## 9.4 B4\_10MHz

### 9.4.1 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	3.50	0.300	0.0002	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
					4.40	0.143	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0003	-2.5 to 2.5	Pass
50	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass				



	1732.5	50	0	20	3.50	-1.330	-0.0008	-2.5 to 2.5	Pass					
					3.85	-0.215	-0.0001	-2.5 to 2.5	Pass					
					4.40	-0.601	-0.0003	-2.5 to 2.5	Pass					
								-30	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass	
								-20	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass	
								-10	3.85	-0.072	0.0000	-2.5 to 2.5	Pass	
								0	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass	
								10	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass	
								30	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass	
	40	3.85	-1.760					-0.0010	-2.5 to 2.5	Pass				
	50	3.85	-2.475					-0.0014	-2.5 to 2.5	Pass				
		1750	50					0	20	3.50	-1.531	-0.0009	-2.5 to 2.5	Pass
				3.85	-1.087	-0.0006	-2.5 to 2.5			Pass				
				4.40	-2.017	-0.0012	-2.5 to 2.5			Pass				
									-30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
									-20	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
									-10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
									0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
10									3.85	-2.046	-0.0012	-2.5 to 2.5	Pass	
30									3.85	-1.545	-0.0009	-2.5 to 2.5	Pass	
40	3.85	-1.159	-0.0007					-2.5 to 2.5	Pass					
50	3.85	-0.415	-0.0002					-2.5 to 2.5	Pass					
16QAM	1715	50	0					20	3.50	-1.502	-0.0009	-2.5 to 2.5	Pass	
				3.85	-1.144	-0.0007	-2.5 to 2.5		Pass					
				4.40	-2.046	-0.0012	-2.5 to 2.5		Pass					
								-30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass	
								-20	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass	
								-10	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass	
								0	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass	
								10	3.85	-1.459	-0.0009	-2.5 to 2.5	Pass	
								30	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass	
								40	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass	
								50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass	
									1732.5	50	0	20	3.50	-1.645
	3.85	-3.119	-0.0018										-2.5 to 2.5	Pass
	4.40	-1.488	-0.0009										-2.5 to 2.5	Pass
													-30	3.85
				-20	3.85	-0.944	-0.0005						-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0003						-2.5 to 2.5	Pass
				0	3.85	-0.887	-0.0005						-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0004						-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0011						-2.5 to 2.5	Pass
				40	3.85	-1.459	-0.0008						-2.5 to 2.5	Pass
				50	3.85	-0.587	-0.0003						-2.5 to 2.5	Pass
					1750	50	0						20	3.50
								3.85	-1.202	-0.0007	-2.5 to 2.5			Pass
								4.40	-0.916	-0.0005	-2.5 to 2.5			Pass
													-30	3.85
	-20	3.85	-0.930									-0.0005	-2.5 to 2.5	Pass
	-10	3.85	-0.072									0.0000	-2.5 to 2.5	Pass
	0	3.85	-1.059									-0.0006	-2.5 to 2.5	Pass
	10	3.85	-1.559									-0.0009	-2.5 to 2.5	Pass
	30	3.85	-1.159									-0.0007	-2.5 to 2.5	Pass
	40	3.85	-1.216									-0.0007	-2.5 to 2.5	Pass
	50	3.85	-1.287									-0.0007	-2.5 to 2.5	Pass

9.5 B4\_15MHz

9.5.1 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	3.50	-0.443	-0.0003	-2.5 to 2.5	Pass	
					3.85	-1.760	-0.0010	-2.5 to 2.5	Pass	
					4.40	-0.658	-0.0004	-2.5 to 2.5	Pass	
				-30	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass	
					-20	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
						3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass	
					3.85	-1.101	-0.0006	-2.5 to 2.5	Pass	
				3.85	-0.544	-0.0003	-2.5 to 2.5	Pass		
	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass					
	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass					
	1732.5	75	0	20	3.50	-0.086	0.0000	-2.5 to 2.5	Pass	
					3.85	-0.129	-0.0001	-2.5 to 2.5	Pass	
					4.40	-0.143	-0.0001	-2.5 to 2.5	Pass	
				-30	3.85	0.029	0.0000	-2.5 to 2.5	Pass	
					-20	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
						3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass	
					3.85	-1.330	-0.0008	-2.5 to 2.5	Pass	
				3.85	-1.259	-0.0007	-2.5 to 2.5	Pass		
	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass					
	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass					
	1747.5	75	0	20	3.50	-1.802	-0.0010	-2.5 to 2.5	Pass	
					3.85	-1.545	-0.0009	-2.5 to 2.5	Pass	
					4.40	-1.545	-0.0009	-2.5 to 2.5	Pass	
				-30	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass	
					-20	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
3.85						-1.917	-0.0011	-2.5 to 2.5	Pass	
0				3.85	-1.302	-0.0007	-2.5 to 2.5	Pass		
				3.85	-1.588	-0.0009	-2.5 to 2.5	Pass		
3.85				-0.787	-0.0005	-2.5 to 2.5	Pass			
3.85	-1.988	-0.0011	-2.5 to 2.5	Pass						
3.85	-1.445	-0.0008	-2.5 to 2.5	Pass						
16QAM	1717.5	75	0	20	3.50	-0.701	-0.0004	-2.5 to 2.5	Pass	
					3.85	-2.003	-0.0012	-2.5 to 2.5	Pass	
					4.40	-2.275	-0.0013	-2.5 to 2.5	Pass	
				-30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass	
					-20	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
						3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass	
					3.85	-2.046	-0.0012	-2.5 to 2.5	Pass	
				3.85	-3.448	-0.0020	-2.5 to 2.5	Pass		
	3.85	0.029	0.0000	-2.5 to 2.5	Pass					
	3.85	-0.014	0.0000	-2.5 to 2.5	Pass					
	1732.5	75	0	20	3.50	-1.316	-0.0008	-2.5 to 2.5	Pass	
					3.85	-0.315	-0.0002	-2.5 to 2.5	Pass	
					4.40	-1.459	-0.0008	-2.5 to 2.5	Pass	
				-30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass	
					-20	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass

	1747.5	75	0	-10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass	
				0	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass	
				10	3.85	0.043	0.0000	-2.5 to 2.5	Pass	
				30	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass	
				40	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass	
				50	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass	
		1747.5	75	0	20	3.50	-0.930	-0.0005	-2.5 to 2.5	Pass
						3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
						4.40	-1.130	-0.0006	-2.5 to 2.5	Pass
					-30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
					-20	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
					-10	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
					0	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
					10	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
					30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
					40	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
					50	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass

## 9.6 B4\_20MHz

### 9.6.1 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	3.50	-1.116	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.40	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				1732.5	100	0	20	3.50	-1.960
	3.85	-0.515	-0.0003					-2.5 to 2.5	Pass
	4.40	-1.116	-0.0006					-2.5 to 2.5	Pass
	-30	3.85	-0.658				-0.0004	-2.5 to 2.5	Pass
	-20	3.85	-0.429				-0.0002	-2.5 to 2.5	Pass
	-10	3.85	-1.173				-0.0007	-2.5 to 2.5	Pass
	0	3.85	-1.101				-0.0006	-2.5 to 2.5	Pass
	10	3.85	-0.587				-0.0003	-2.5 to 2.5	Pass
	30	3.85	-1.345				-0.0008	-2.5 to 2.5	Pass
	40	3.85	-2.131				-0.0012	-2.5 to 2.5	Pass
	50	3.85	-1.373				-0.0008	-2.5 to 2.5	Pass
	1745	100	0				20	3.50	-0.901
				3.85	-0.286	-0.0002		-2.5 to 2.5	Pass
				4.40	-1.488	-0.0009		-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass

				30	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.50	-1.245	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
					4.40	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
	50	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.50	-1.187	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
					4.40	-1.302	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
	50	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass			
	1745	100	0	20	3.50	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
					4.40	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
30				3.85	-0.529	-0.0003	-2.5 to 2.5	Pass	
40				3.85	-0.300	-0.0002	-2.5 to 2.5	Pass	
50	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass				

## 10. Frequency Stability

### 10.1 B40a\_5MHz

#### 10.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.50	1.649	0.0007	-2.5 to 2.5	Pass
					3.85	1.095	0.0005	-2.5 to 2.5	Pass
					4.40	1.725	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.733	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.391	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.683	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.431	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.026	-0.0009	-2.5 to 2.5	Pass

	2310	25	0	30	3.85	-3.357	-0.0015	-2.5 to 2.5	Pass			
				40	3.85	-1.242	-0.0005	-2.5 to 2.5	Pass			
				50	3.85	-1.797	-0.0008	-2.5 to 2.5	Pass			
				20	3.50	-0.619	-0.0003	-2.5 to 2.5	Pass			
					3.85	-1.221	-0.0005	-2.5 to 2.5	Pass			
					4.40	0.210	0.0001	-2.5 to 2.5	Pass			
				-30	3.85	-0.024	0.0000	-2.5 to 2.5	Pass			
				-20	3.85	2.063	0.0009	-2.5 to 2.5	Pass			
				-10	3.85	-0.867	-0.0004	-2.5 to 2.5	Pass			
				0	3.85	0.725	0.0003	-2.5 to 2.5	Pass			
				10	3.85	0.734	0.0003	-2.5 to 2.5	Pass			
				30	3.85	-0.796	-0.0003	-2.5 to 2.5	Pass			
				40	3.85	0.140	0.0001	-2.5 to 2.5	Pass			
				50	3.85	2.039	0.0009	-2.5 to 2.5	Pass			
				2312.5	25	0	20	3.50	0.944	0.0004	-2.5 to 2.5	Pass
	3.85	-1.654	-0.0007					-2.5 to 2.5	Pass			
	4.40	-3.234	-0.0014					-2.5 to 2.5	Pass			
	-30	3.85	-2.547				-0.0011	-2.5 to 2.5	Pass			
	-20	3.85	-1.253				-0.0005	-2.5 to 2.5	Pass			
	-10	3.85	-2.014				-0.0009	-2.5 to 2.5	Pass			
	0	3.85	-1.763				-0.0008	-2.5 to 2.5	Pass			
	10	3.85	-0.099				0.0000	-2.5 to 2.5	Pass			
	30	3.85	-0.122				-0.0001	-2.5 to 2.5	Pass			
	40	3.85	0.249				0.0001	-2.5 to 2.5	Pass			
	50	3.85	-0.543				-0.0002	-2.5 to 2.5	Pass			
	2307.5	25	0				20	3.50	0.461	0.0002	-2.5 to 2.5	Pass
								3.85	-0.382	-0.0002	-2.5 to 2.5	Pass
								4.40	-3.252	-0.0014	-2.5 to 2.5	Pass
							-30	3.85	-2.151	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.564	0.0002	-2.5 to 2.5	Pass			
-10				3.85	-2.322	-0.0010	-2.5 to 2.5	Pass				
0				3.85	0.016	0.0000	-2.5 to 2.5	Pass				
10				3.85	0.274	0.0001	-2.5 to 2.5	Pass				
30				3.85	-1.463	-0.0006	-2.5 to 2.5	Pass				
40				3.85	0.193	0.0001	-2.5 to 2.5	Pass				
50				3.85	0.569	0.0002	-2.5 to 2.5	Pass				
2310				25	0	20	3.50	-0.687	-0.0003	-2.5 to 2.5	Pass	
							3.85	-0.152	-0.0001	-2.5 to 2.5	Pass	
							4.40	0.518	0.0002	-2.5 to 2.5	Pass	
						-30	3.85	-1.217	-0.0005	-2.5 to 2.5	Pass	
	-20	3.85	-0.618			-0.0003	-2.5 to 2.5	Pass				
	-10	3.85	0.511			0.0002	-2.5 to 2.5	Pass				
	0	3.85	-0.377			-0.0002	-2.5 to 2.5	Pass				
	10	3.85	-1.081			-0.0005	-2.5 to 2.5	Pass				
	30	3.85	1.003			0.0004	-2.5 to 2.5	Pass				
	40	3.85	-0.456			-0.0002	-2.5 to 2.5	Pass				
	50	3.85	-0.298			-0.0001	-2.5 to 2.5	Pass				
	2312.5	25	0			20	3.50	-2.299	-0.0010	-2.5 to 2.5	Pass	
							3.85	-1.010	-0.0004	-2.5 to 2.5	Pass	
							4.40	-3.636	-0.0016	-2.5 to 2.5	Pass	
						-30	3.85	-0.408	-0.0002	-2.5 to 2.5	Pass	
-20				3.85	-2.256	-0.0010	-2.5 to 2.5	Pass				
-10				3.85	-2.312	-0.0010	-2.5 to 2.5	Pass				
0				3.85	-3.335	-0.0014	-2.5 to 2.5	Pass				
10				3.85	-1.102	-0.0005	-2.5 to 2.5	Pass				
30				3.85	-1.948	-0.0008	-2.5 to 2.5	Pass				
40				3.85	0.232	0.0001	-2.5 to 2.5	Pass				

				50	3.85	-1.667	-0.0007	-2.5 to 2.5	Pass
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## 10.2 B40a\_10MHz

### 10.2.1 Test Result

Band: 40a / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2310	50	0	20	3.50	-3.265	-0.0014	-2.5 to 2.5	Pass	
					3.85	-5.627	-0.0024	-2.5 to 2.5	Pass	
					4.40	-3.849	-0.0017	-2.5 to 2.5	Pass	
				-30	3.85	-0.769	-0.0003	-2.5 to 2.5	Pass	
					-20	3.85	-2.633	-0.0011	-2.5 to 2.5	Pass
						3.85	-2.243	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.293	-0.0006	-2.5 to 2.5	Pass	
					3.85	-3.747	-0.0016	-2.5 to 2.5	Pass	
				3.85	-3.934	-0.0017	-2.5 to 2.5	Pass		
	3.85	-4.024	-0.0017	-2.5 to 2.5	Pass					
	3.85	-0.325	-0.0001	-2.5 to 2.5	Pass					
	2310	50	0	20	3.50	-4.137	-0.0018	-2.5 to 2.5	Pass	
					3.85	-4.717	-0.0020	-2.5 to 2.5	Pass	
					4.40	-0.286	-0.0001	-2.5 to 2.5	Pass	
				-30	3.85	-0.281	-0.0001	-2.5 to 2.5	Pass	
					-20	3.85	-5.154	-0.0022	-2.5 to 2.5	Pass
						3.85	-5.030	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.646	-0.0024	-2.5 to 2.5	Pass	
					3.85	-6.211	-0.0027	-2.5 to 2.5	Pass	
				3.85	-4.854	-0.0021	-2.5 to 2.5	Pass		
	3.85	-4.031	-0.0017	-2.5 to 2.5	Pass					
	3.85	-3.908	-0.0017	-2.5 to 2.5	Pass					
	2310	50	0	20	3.50	-0.661	-0.0003	-2.5 to 2.5	Pass	
					3.85	-5.143	-0.0022	-2.5 to 2.5	Pass	
					4.40	-0.458	-0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-0.281	-0.0001	-2.5 to 2.5	Pass	
					-20	3.85	0.264	0.0001	-2.5 to 2.5	Pass
3.85						1.089	0.0005	-2.5 to 2.5	Pass	
0				3.85	-0.186	-0.0001	-2.5 to 2.5	Pass		
				3.85	0.698	0.0003	-2.5 to 2.5	Pass		
3.85				-0.053	0.0000	-2.5 to 2.5	Pass			
3.85	0.419	0.0002	-2.5 to 2.5	Pass						
3.85	-3.876	-0.0017	-2.5 to 2.5	Pass						
16QAM	2310	50	0	20	3.50	-0.406	-0.0002	-2.5 to 2.5	Pass	
					3.85	-2.673	-0.0012	-2.5 to 2.5	Pass	
					4.40	-2.444	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	0.328	0.0001	-2.5 to 2.5	Pass	
					-20	3.85	1.649	0.0007	-2.5 to 2.5	Pass
						3.85	-2.629	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.070	0.0005	-2.5 to 2.5	Pass	
					3.85	-1.862	-0.0008	-2.5 to 2.5	Pass	
				3.85	-1.842	-0.0008	-2.5 to 2.5	Pass		
	3.85	-4.341	-0.0019	-2.5 to 2.5	Pass					
	3.85	-2.552	-0.0011	-2.5 to 2.5	Pass					
	2310	50	0	20	3.50	-2.991	-0.0013	-2.5 to 2.5	Pass	
					3.85	-2.547	-0.0011	-2.5 to 2.5	Pass	

					4.40	0.671	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.691	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.649	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.833	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-4.612	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.703	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.513	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.540	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.486	-0.0015	-2.5 to 2.5	Pass
	2310	50	0	20	3.50	-0.723	-0.0003	-2.5 to 2.5	Pass
					3.85	-2.970	-0.0013	-2.5 to 2.5	Pass
					4.40	-2.100	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.855	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0018	-2.5 to 2.5	Pass
				0	3.85	1.025	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.160	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.556	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.561	-0.0002	-2.5 to 2.5	Pass
50	3.85	0.708	0.0003	-2.5 to 2.5	Pass				

## 11. Frequency Stability

### 11.1 B40b\_5MHz

#### 11.1.1 Test Result

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.50	0.726	0.0003	-2.5 to 2.5	Pass
					3.85	0.248	0.0001	-2.5 to 2.5	Pass
					4.40	-1.202	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.565	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.236	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.333	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.476	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.894	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.274	-0.0001	-2.5 to 2.5	Pass
				40	3.85	3.240	0.0014	-2.5 to 2.5	Pass
				50	3.85	0.830	0.0004	-2.5 to 2.5	Pass
				2355	25	0	20	3.50	-0.440
	3.85	-1.342	-0.0006					-2.5 to 2.5	Pass
	4.40	-0.731	-0.0003					-2.5 to 2.5	Pass
	-30	3.85	-0.845				-0.0004	-2.5 to 2.5	Pass
	-20	3.85	0.460				0.0002	-2.5 to 2.5	Pass
	-10	3.85	-0.334				-0.0001	-2.5 to 2.5	Pass
	0	3.85	1.460				0.0006	-2.5 to 2.5	Pass
	10	3.85	-0.745				-0.0003	-2.5 to 2.5	Pass
	30	3.85	2.597				0.0011	-2.5 to 2.5	Pass
	40	3.85	2.296				0.0010	-2.5 to 2.5	Pass
	50	3.85	-0.787				-0.0003	-2.5 to 2.5	Pass
	2357.5	25	0				20	3.50	-1.651
				3.85	0.070	0.0000		-2.5 to 2.5	Pass

					4.40	2.007	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.597	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.108	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.751	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.514	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.084	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.522	-0.0011	-2.5 to 2.5	Pass
16QAM	2352.5	25	0	20	3.50	-1.152	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.418	-0.0010	-2.5 to 2.5	Pass
					4.40	-1.832	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.125	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.842	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.530	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.944	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.906	0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.442	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.036	-0.0009	-2.5 to 2.5	Pass
	50	3.85	-0.287	-0.0001	-2.5 to 2.5	Pass			
	2355	25	0	20	3.50	-1.854	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.456	-0.0006	-2.5 to 2.5	Pass
					4.40	0.151	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.165	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.049	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.252	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.253	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.362	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.995	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.849	0.0004	-2.5 to 2.5	Pass
	50	3.85	1.594	0.0007	-2.5 to 2.5	Pass			
	2357.5	25	0	20	3.50	-2.758	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.568	-0.0002	-2.5 to 2.5	Pass
					4.40	-3.543	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.090	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.026	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.246	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.345	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.577	-0.0002	-2.5 to 2.5	Pass
30				3.85	0.057	0.0000	-2.5 to 2.5	Pass	
40				3.85	1.965	0.0008	-2.5 to 2.5	Pass	
50	3.85	-1.049	-0.0004	-2.5 to 2.5	Pass				

## 11.2 B40b\_10MHz

### 11.2.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.50	-4.179	-0.0018	-2.5 to 2.5	Pass
							0.0003	-2.5 to 2.5	Pass
							-0.0016	-2.5 to 2.5	Pass
							0.0004	-2.5 to 2.5	Pass
							-0.0010	-2.5 to 2.5	Pass



				-10	3.85	-3.614	-0.0015	-2.5 to 2.5	Pass	
				0	3.85	-3.753	-0.0016	-2.5 to 2.5	Pass	
				10	3.85	0.329	0.0001	-2.5 to 2.5	Pass	
				30	3.85	-3.739	-0.0016	-2.5 to 2.5	Pass	
				40	3.85	0.419	0.0002	-2.5 to 2.5	Pass	
				50	3.85	-0.276	-0.0001	-2.5 to 2.5	Pass	
	2355	50	0	20	3.50	-3.397	-0.0014	-2.5 to 2.5	Pass	
					3.85	0.260	0.0001	-2.5 to 2.5	Pass	
					4.40	-0.505	-0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-0.708	-0.0003	-2.5 to 2.5	Pass	
				-20	3.85	0.112	0.0000	-2.5 to 2.5	Pass	
				-10	3.85	-4.050	-0.0017	-2.5 to 2.5	Pass	
		0	3.85	-3.549	-0.0015	-2.5 to 2.5	Pass			
		10	3.85	-3.940	-0.0017	-2.5 to 2.5	Pass			
		30	3.85	1.058	0.0004	-2.5 to 2.5	Pass			
		40	3.85	-0.818	-0.0003	-2.5 to 2.5	Pass			
		50	3.85	-4.536	-0.0019	-2.5 to 2.5	Pass			
		2355	50	0	20	3.50	-0.395	-0.0002	-2.5 to 2.5	Pass
	3.85					-3.865	-0.0016	-2.5 to 2.5	Pass	
	4.40					-3.388	-0.0014	-2.5 to 2.5	Pass	
	-30				3.85	-4.001	-0.0017	-2.5 to 2.5	Pass	
	-20				3.85	-0.604	-0.0003	-2.5 to 2.5	Pass	
	-10				3.85	-4.310	-0.0018	-2.5 to 2.5	Pass	
	0		3.85	-0.868	-0.0004	-2.5 to 2.5	Pass			
	10		3.85	-6.030	-0.0026	-2.5 to 2.5	Pass			
	30		3.85	-3.023	-0.0013	-2.5 to 2.5	Pass			
	40		3.85	-3.377	-0.0014	-2.5 to 2.5	Pass			
	50		3.85	-4.808	-0.0020	-2.5 to 2.5	Pass			
	16QAM		2355	50	0	20	3.50	-1.767	-0.0008	-2.5 to 2.5
		3.85					-3.056	-0.0013	-2.5 to 2.5	Pass
4.40		0.481					0.0002	-2.5 to 2.5	Pass	
-30		3.85				-3.971	-0.0017	-2.5 to 2.5	Pass	
-20		3.85				-0.600	-0.0003	-2.5 to 2.5	Pass	
-10		3.85				-2.093	-0.0009	-2.5 to 2.5	Pass	
0		3.85		-0.447	-0.0002	-2.5 to 2.5	Pass			
10		3.85		-0.476	-0.0002	-2.5 to 2.5	Pass			
30		3.85		-3.458	-0.0015	-2.5 to 2.5	Pass			
40		3.85		-0.699	-0.0003	-2.5 to 2.5	Pass			
50		3.85		0.461	0.0002	-2.5 to 2.5	Pass			
2355		50		0	20	3.50	-2.552	-0.0011	-2.5 to 2.5	Pass
			3.85			-3.438	-0.0015	-2.5 to 2.5	Pass	
			4.40			-0.160	-0.0001	-2.5 to 2.5	Pass	
			-30		3.85	-1.370	-0.0006	-2.5 to 2.5	Pass	
			-20		3.85	-1.411	-0.0006	-2.5 to 2.5	Pass	
			-10		3.85	-0.740	-0.0003	-2.5 to 2.5	Pass	
		0	3.85	-1.599	-0.0007	-2.5 to 2.5	Pass			
		10	3.85	-0.942	-0.0004	-2.5 to 2.5	Pass			
		30	3.85	-3.258	-0.0014	-2.5 to 2.5	Pass			
		40	3.85	-2.922	-0.0012	-2.5 to 2.5	Pass			
		50	3.85	-0.961	-0.0004	-2.5 to 2.5	Pass			
		2355	50	0	20	3.50	-0.521	-0.0002	-2.5 to 2.5	Pass
3.85						-1.535	-0.0007	-2.5 to 2.5	Pass	
4.40						-3.124	-0.0013	-2.5 to 2.5	Pass	
-30					3.85	0.093	0.0000	-2.5 to 2.5	Pass	
-20					3.85	-0.442	-0.0002	-2.5 to 2.5	Pass	
-10					3.85	-3.213	-0.0014	-2.5 to 2.5	Pass	
0		3.85	-0.313	-0.0001	-2.5 to 2.5	Pass				

				10	3.85	-3.540	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.889	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.886	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.583	-0.0002	-2.5 to 2.5	Pass

## 12. Frequency Stability

### 12.1 B41\_5MHz

#### 12.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.50	-0.830	-0.0003	-2.5 to 2.5	Pass
					3.85	3.133	0.0013	-2.5 to 2.5	Pass
					4.40	2.832	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.060	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				0	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
	40	3.85	-1.416	-0.0006	-2.5 to 2.5	Pass			
	50	3.85	3.619	0.0014	-2.5 to 2.5	Pass			
	2593	25	0	20	3.50	1.144	0.0004	-2.5 to 2.5	Pass
					3.85	0.730	0.0003	-2.5 to 2.5	Pass
					4.40	-3.462	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0010	-2.5 to 2.5	Pass
	40	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass			
	50	3.85	0.343	0.0001	-2.5 to 2.5	Pass			
	2687.5	25	0	20	3.50	-1.888	-0.0007	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0011	-2.5 to 2.5	Pass
					4.40	1.502	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	2.275	0.0008	-2.5 to 2.5	Pass
-10				3.85	1.001	0.0004	-2.5 to 2.5	Pass	
0				3.85	1.230	0.0005	-2.5 to 2.5	Pass	
10				3.85	-1.760	-0.0007	-2.5 to 2.5	Pass	
30				3.85	-2.089	-0.0008	-2.5 to 2.5	Pass	
40	3.85	2.003	0.0007	-2.5 to 2.5	Pass				
50	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass				
16QAM	2498.5	25	0	20	3.50	2.446	0.0010	-2.5 to 2.5	Pass
					3.85	-2.375	-0.0010	-2.5 to 2.5	Pass
					4.40	0.429	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	4.392	0.0018	-2.5 to 2.5	Pass
				-10	3.85	4.177	0.0017	-2.5 to 2.5	Pass
0	3.85	4.506	0.0018	-2.5 to 2.5	Pass				

	2593	25	0	10	3.85	3.476	0.0014	-2.5 to 2.5	Pass
				30	3.85	3.290	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.774	0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				20	3.50	-3.905	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
					4.40	1.230	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.587	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
	30	3.85	0.558	0.0002	-2.5 to 2.5	Pass			
	40	3.85	-1.802	-0.0007	-2.5 to 2.5	Pass			
	50	3.85	1.030	0.0004	-2.5 to 2.5	Pass			
	2687.5	25	0	20	3.50	-0.672	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
					4.40	1.931	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				0	3.85	2.174	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0005	-2.5 to 2.5	Pass
				30	3.85	3.304	0.0012	-2.5 to 2.5	Pass
40				3.85	1.359	0.0005	-2.5 to 2.5	Pass	
50				3.85	1.216	0.0005	-2.5 to 2.5	Pass	

## 12.2 B41\_10MHz

### 12.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.50	1.173	0.0005	-2.5 to 2.5	Pass
					3.85	-5.436	-0.0022	-2.5 to 2.5	Pass
					4.40	-3.920	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.917	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.990	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.502	0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				2593	50	0	20	3.50	-2.217
	3.85	1.187	0.0005					-2.5 to 2.5	Pass
	4.40	2.289	0.0009					-2.5 to 2.5	Pass
	-30	3.85	-1.616				-0.0006	-2.5 to 2.5	Pass
	-20	3.85	-0.386				-0.0001	-2.5 to 2.5	Pass
	-10	3.85	-2.747				-0.0011	-2.5 to 2.5	Pass
	0	3.85	-0.300				-0.0001	-2.5 to 2.5	Pass
	10	3.85	0.486				0.0002	-2.5 to 2.5	Pass
	30	3.85	0.987	0.0004	-2.5 to 2.5	Pass			
40	3.85	3.190	0.0012	-2.5 to 2.5	Pass				

	2685	50	0	50	3.85	1.130	0.0004	-2.5 to 2.5	Pass
				20	3.50	-3.104	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.704	-0.0010	-2.5 to 2.5	Pass
					4.40	-4.134	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.473	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.991	0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.144	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0009	-2.5 to 2.5	Pass
				50	3.85	3.262	0.0012	-2.5 to 2.5	Pass
				16QAM	2501	50	0	20	3.50
3.85	-0.386	-0.0002	-2.5 to 2.5						Pass
4.40	-3.934	-0.0016	-2.5 to 2.5						Pass
-30	3.85	-5.407	-0.0022					-2.5 to 2.5	Pass
-20	3.85	2.160	0.0009					-2.5 to 2.5	Pass
-10	3.85	0.029	0.0000					-2.5 to 2.5	Pass
0	3.85	-5.264	-0.0021					-2.5 to 2.5	Pass
10	3.85	-2.561	-0.0010					-2.5 to 2.5	Pass
30	3.85	-4.635	-0.0019					-2.5 to 2.5	Pass
40	3.85	0.629	0.0003					-2.5 to 2.5	Pass
50	3.85	-4.721	-0.0019					-2.5 to 2.5	Pass
2593	50	0	20					3.50	-1.388
					3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
					4.40	1.531	0.0006	-2.5 to 2.5	Pass
			-30		3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
			-20		3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
			-10		3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
			0		3.85	1.545	0.0006	-2.5 to 2.5	Pass
			10		3.85	0.887	0.0003	-2.5 to 2.5	Pass
			30		3.85	1.044	0.0004	-2.5 to 2.5	Pass
			40		3.85	1.116	0.0004	-2.5 to 2.5	Pass
			50		3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
			2685		50	0	20	3.50	2.160
3.85	2.489	0.0009						-2.5 to 2.5	Pass
4.40	-3.476	-0.0013						-2.5 to 2.5	Pass
-30	3.85	2.789					0.0010	-2.5 to 2.5	Pass
-20	3.85	2.403					0.0009	-2.5 to 2.5	Pass
-10	3.85	2.189		0.0008			-2.5 to 2.5	Pass	
0	3.85	1.802		0.0007			-2.5 to 2.5	Pass	
10	3.85	1.388		0.0005			-2.5 to 2.5	Pass	
30	3.85	1.888		0.0007			-2.5 to 2.5	Pass	
40	3.85	-3.605		-0.0013			-2.5 to 2.5	Pass	
50	3.85	3.090		0.0012			-2.5 to 2.5	Pass	

## 12.3 B41\_15MHz

### 12.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.50	-2.704	-0.0011	-2.5 to 2.5	Pass
									3.85

					4.40	1.445	0.0006	-2.5 to 2.5	Pass	
				-30	3.85	-1.416	-0.0006	-2.5 to 2.5	Pass	
				-20	3.85	0.787	0.0003	-2.5 to 2.5	Pass	
				-10	3.85	-2.689	-0.0011	-2.5 to 2.5	Pass	
				0	3.85	-1.130	-0.0005	-2.5 to 2.5	Pass	
				10	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass	
				30	3.85	2.661	0.0011	-2.5 to 2.5	Pass	
				40	3.85	2.146	0.0009	-2.5 to 2.5	Pass	
				50	3.85	0.315	0.0001	-2.5 to 2.5	Pass	
	2593	75	0	20	3.50	0.558	0.0002	-2.5 to 2.5	Pass	
					3.85	1.059	0.0004	-2.5 to 2.5	Pass	
					4.40	1.101	0.0004	-2.5 to 2.5	Pass	
				-30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass	
				-20	3.85	-3.033	-0.0012	-2.5 to 2.5	Pass	
				-10	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass	
				0	3.85	2.675	0.0010	-2.5 to 2.5	Pass	
				10	3.85	0.916	0.0004	-2.5 to 2.5	Pass	
				30	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass	
	40	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass				
	50	3.85	0.086	0.0000	-2.5 to 2.5	Pass				
	2682.5	75	0	20	3.50	-1.616	-0.0006	-2.5 to 2.5	Pass	
					3.85	2.804	0.0010	-2.5 to 2.5	Pass	
					4.40	3.691	0.0014	-2.5 to 2.5	Pass	
				-30	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass	
				-20	3.85	1.259	0.0005	-2.5 to 2.5	Pass	
				-10	3.85	0.615	0.0002	-2.5 to 2.5	Pass	
				0	3.85	3.519	0.0013	-2.5 to 2.5	Pass	
				10	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass	
				30	3.85	2.518	0.0009	-2.5 to 2.5	Pass	
	40	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass				
	50	3.85	2.003	0.0007	-2.5 to 2.5	Pass				
	16QAM	2503.5	75	0	20	3.50	-0.830	-0.0003	-2.5 to 2.5	Pass
						3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
4.40						2.303	0.0009	-2.5 to 2.5	Pass	
-30					3.85	1.159	0.0005	-2.5 to 2.5	Pass	
-20					3.85	-2.160	-0.0009	-2.5 to 2.5	Pass	
-10					3.85	1.059	0.0004	-2.5 to 2.5	Pass	
0					3.85	1.144	0.0005	-2.5 to 2.5	Pass	
10					3.85	-3.004	-0.0012	-2.5 to 2.5	Pass	
30					3.85	1.788	0.0007	-2.5 to 2.5	Pass	
40		3.85	0.072	0.0000	-2.5 to 2.5	Pass				
50		3.85	0.916	0.0004	-2.5 to 2.5	Pass				
2593		75	0	20	3.50	1.502	0.0006	-2.5 to 2.5	Pass	
					3.85	-2.875	-0.0011	-2.5 to 2.5	Pass	
					4.40	-0.501	-0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-4.263	-0.0016	-2.5 to 2.5	Pass	
				-20	3.85	0.858	0.0003	-2.5 to 2.5	Pass	
				-10	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass	
				0	3.85	2.518	0.0010	-2.5 to 2.5	Pass	
				10	3.85	1.731	0.0007	-2.5 to 2.5	Pass	
				30	3.85	-0.587	-0.0002	-2.5 to 2.5	Pass	
40		3.85	-3.562	-0.0014	-2.5 to 2.5	Pass				
50		3.85	-2.303	-0.0009	-2.5 to 2.5	Pass				
2682.5		75	0	20	3.50	-1.645	-0.0006	-2.5 to 2.5	Pass	
					3.85	-1.259	-0.0005	-2.5 to 2.5	Pass	
					4.40	-1.144	-0.0004	-2.5 to 2.5	Pass	
				-30	3.85	-0.916	-0.0003	-2.5 to 2.5	Pass	

				-20	3.85	2.575	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				0	3.85	3.605	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.888	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-4.005	-0.0015	-2.5 to 2.5	Pass

## 12.4 B41\_20MHz

### 12.4.1 Test Result

Band: 41 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2506	100	0	20	3.50	0.758	0.0003	-2.5 to 2.5	Pass	
					3.85	0.815	0.0003	-2.5 to 2.5	Pass	
					4.40	1.073	0.0004	-2.5 to 2.5	Pass	
				-30	3.85	2.503	0.0010	-2.5 to 2.5	Pass	
					-20	3.85	0.801	0.0003	-2.5 to 2.5	Pass
						3.85	0.300	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0006	-2.5 to 2.5	Pass	
					3.85	1.159	0.0005	-2.5 to 2.5	Pass	
				30	3.85	0.887	0.0004	-2.5 to 2.5	Pass	
	3.85	-2.789	-0.0011		-2.5 to 2.5	Pass				
	50	3.85	-3.204	-0.0013	-2.5 to 2.5	Pass				
	2593	100	0	20	3.50	-1.030	-0.0004	-2.5 to 2.5	Pass	
					3.85	-1.459	-0.0006	-2.5 to 2.5	Pass	
					4.40	-1.388	-0.0005	-2.5 to 2.5	Pass	
				-30	3.85	0.687	0.0003	-2.5 to 2.5	Pass	
					-20	3.85	0.343	0.0001	-2.5 to 2.5	Pass
						3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0001	-2.5 to 2.5	Pass	
					3.85	-2.518	-0.0010	-2.5 to 2.5	Pass	
				30	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass	
	3.85	-2.661	-0.0010		-2.5 to 2.5	Pass				
	50	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass				
	2680	100	0	20	3.50	0.443	0.0002	-2.5 to 2.5	Pass	
					3.85	0.272	0.0001	-2.5 to 2.5	Pass	
					4.40	1.988	0.0007	-2.5 to 2.5	Pass	
				-30	3.85	0.758	0.0003	-2.5 to 2.5	Pass	
					-20	3.85	0.801	0.0003	-2.5 to 2.5	Pass
3.85						-1.903	-0.0007	-2.5 to 2.5	Pass	
0				3.85	-2.332	-0.0009	-2.5 to 2.5	Pass		
				3.85	-2.947	-0.0011	-2.5 to 2.5	Pass		
30				3.85	1.516	0.0006	-2.5 to 2.5	Pass		
	3.85	0.286	0.0001	-2.5 to 2.5	Pass					
40	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass					
50	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass					
16QAM	2506	100	0	20	3.50	-2.561	-0.0010	-2.5 to 2.5	Pass	
					3.85	-2.460	-0.0010	-2.5 to 2.5	Pass	
					4.40	1.345	0.0005	-2.5 to 2.5	Pass	
				-30	3.85	1.445	0.0006	-2.5 to 2.5	Pass	
					-20	3.85	-4.306	-0.0017	-2.5 to 2.5	Pass
						3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
0	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass					

	2593	100	0	10	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				20	3.50	-2.275	-0.0009	-2.5 to 2.5	Pass
					3.85	0.987	0.0004	-2.5 to 2.5	Pass
					4.40	-0.587	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass
				10	3.85	1.960	0.0008	-2.5 to 2.5	Pass
	30	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass			
	40	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass			
	50	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass			
	2680	100	0	20	3.50	-1.388	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.40	-1.717	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.202	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0011	-2.5 to 2.5	Pass
40				3.85	-2.046	-0.0008	-2.5 to 2.5	Pass	
50				3.85	-2.561	-0.0010	-2.5 to 2.5	Pass	

## 13. Frequency Stability

### 13.1 B42a\_5MHz

#### 13.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	3.50	-3.691	-0.0011	-2.5 to 2.5	Pass
					3.85	0.958	0.0003	-2.5 to 2.5	Pass
					4.40	0.229	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.987	0.0003	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.232	-0.0006	-2.5 to 2.5	Pass
				40	3.85	1.674	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.472	0.0001	-2.5 to 2.5	Pass
				3500	25	0	20	3.50	-4.892
	3.85	0.973	0.0003					-2.5 to 2.5	Pass
	4.40	-3.819	-0.0011					-2.5 to 2.5	Pass
	-30	3.85	1.230				0.0004	-2.5 to 2.5	Pass
	-20	3.85	-2.360				-0.0007	-2.5 to 2.5	Pass
	-10	3.85	-3.362				-0.0010	-2.5 to 2.5	Pass
	0	3.85	0.672	0.0002	-2.5 to 2.5	Pass			

				10	3.85	0.973	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.518	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.604	-0.0007	-2.5 to 2.5	Pass
				20	3.50	-0.644	-0.0002	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.85	2.117	0.0006	-2.5 to 2.5	Pass
				4.40	0.386	0.0001	-2.5 to 2.5	Pass	
				-30	3.85	-3.247	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-5.465	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.373	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.416	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
16QAM	3452.5	25	0	20	3.50	1.502	0.0004	-2.5 to 2.5	Pass
				3.85	-2.933	-0.0008	-2.5 to 2.5	Pass	
				4.40	1.402	0.0004	-2.5 to 2.5	Pass	
				-30	3.85	-2.747	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.645	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0010	-2.5 to 2.5	Pass
				30	3.85	1.860	0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.031	-0.0006	-2.5 to 2.5	Pass
	50	3.85	-1.173	-0.0003	-2.5 to 2.5	Pass			
	3500	25	0	20	3.50	-3.848	-0.0011	-2.5 to 2.5	Pass
				3.85	1.574	0.0004	-2.5 to 2.5	Pass	
				4.40	0.257	0.0001	-2.5 to 2.5	Pass	
				-30	3.85	2.747	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.689	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	3.233	0.0009	-2.5 to 2.5	Pass
	50	3.85	-2.632	-0.0008	-2.5 to 2.5	Pass			
	3547.5	25	0	20	3.50	-4.492	-0.0013	-2.5 to 2.5	Pass
				3.85	-3.419	-0.0010	-2.5 to 2.5	Pass	
				4.40	-4.048	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	-3.047	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.835	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.978	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.819	-0.0011	-2.5 to 2.5	Pass
30				3.85	-1.616	-0.0005	-2.5 to 2.5	Pass	
40				3.85	0.629	0.0002	-2.5 to 2.5	Pass	
50	3.85	-0.730	-0.0002	-2.5 to 2.5	Pass				

## 13.2 B42a\_10MHz

### 13.2.1 Test Result

Band: 42a / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict



	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	3455	50	0	20	3.50	-2.375	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.802	-0.0005	-2.5 to 2.5	Pass
					4.40	0.515	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.018	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0001	-2.5 to 2.5	Pass
	40	3.85	0.830	0.0002	-2.5 to 2.5	Pass			
	50	3.85	1.531	0.0004	-2.5 to 2.5	Pass			
	3500	50	0	20	3.50	-4.263	-0.0012	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0014	-2.5 to 2.5	Pass
					4.40	-4.849	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.802	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0011	-2.5 to 2.5	Pass
	40	3.85	-1.359	-0.0004	-2.5 to 2.5	Pass			
	50	3.85	-5.593	-0.0016	-2.5 to 2.5	Pass			
	3545	50	0	20	3.50	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	-5.479	-0.0015	-2.5 to 2.5	Pass
					4.40	-4.606	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0010	-2.5 to 2.5	Pass
-10				3.85	-3.991	-0.0011	-2.5 to 2.5	Pass	
0				3.85	-0.257	-0.0001	-2.5 to 2.5	Pass	
10				3.85	0.129	0.0000	-2.5 to 2.5	Pass	
30				3.85	-4.549	-0.0013	-2.5 to 2.5	Pass	
40	3.85	-5.150	-0.0015	-2.5 to 2.5	Pass				
50	3.85	-5.736	-0.0016	-2.5 to 2.5	Pass				
16QAM	3455	50	0	20	3.50	-2.675	-0.0008	-2.5 to 2.5	Pass
					3.85	0.687	0.0002	-2.5 to 2.5	Pass
					4.40	1.245	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.203	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.502	-0.0004	-2.5 to 2.5	Pass
				30	3.85	2.360	0.0007	-2.5 to 2.5	Pass
	40	3.85	2.933	0.0008	-2.5 to 2.5	Pass			
	50	3.85	-0.787	-0.0002	-2.5 to 2.5	Pass			
	3500	50	0	20	3.50	1.273	0.0004	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0014	-2.5 to 2.5	Pass
					4.40	-2.818	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-5.522	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-4.405	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0015	-2.5 to 2.5	Pass
				0	3.85	2.046	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.073	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
	40	3.85	-3.934	-0.0011	-2.5 to 2.5	Pass			
	50	3.85	0.172	0.0000	-2.5 to 2.5	Pass			
	3545	50	0	20	3.50	-1.287	-0.0004	-2.5 to 2.5	Pass

					3.85	-0.143	0.0000	-2.5 to 2.5	Pass
					4.40	-4.334	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.916	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.715	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.944	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.731	-0.0005	-2.5 to 2.5	Pass

### 13.3 B42a\_15MHz

#### 13.3.1 Test Result

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	3.50	-0.386	-0.0001	-2.5 to 2.5	Pass
					3.85	-2.131	-0.0006	-2.5 to 2.5	Pass
					4.40	-2.460	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.604	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.531	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0008	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0006	-2.5 to 2.5	Pass
	40	3.85	2.890	0.0008	-2.5 to 2.5	Pass			
	50	3.85	1.087	0.0003	-2.5 to 2.5	Pass			
	3500	75	0	20	3.50	-1.001	-0.0003	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0014	-2.5 to 2.5	Pass
					4.40	0.215	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.277	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0007	-2.5 to 2.5	Pass
	40	3.85	-3.047	-0.0009	-2.5 to 2.5	Pass			
	50	3.85	-0.687	-0.0002	-2.5 to 2.5	Pass			
	3542.5	75	0	20	3.50	-3.834	-0.0011	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0011	-2.5 to 2.5	Pass
					4.40	-1.488	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.661	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0014	-2.5 to 2.5	Pass
-10				3.85	0.787	0.0002	-2.5 to 2.5	Pass	
0				3.85	-3.562	-0.0010	-2.5 to 2.5	Pass	
10				3.85	-1.545	-0.0004	-2.5 to 2.5	Pass	
30				3.85	0.186	0.0001	-2.5 to 2.5	Pass	
40	3.85	-1.502	-0.0004	-2.5 to 2.5	Pass				
50	3.85	-3.376	-0.0010	-2.5 to 2.5	Pass				
16QAM	3457.5	75	0	20	3.50	-1.659	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0005	-2.5 to 2.5	Pass
					4.40	0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.85	2.604	0.0008	-2.5 to 2.5	Pass

				-20	3.85	-1.345	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.588	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0004	-2.5 to 2.5	Pass
				50	3.85	1.173	0.0003	-2.5 to 2.5	Pass
	3500	75	0	20	3.50	1.287	0.0004	-2.5 to 2.5	Pass
					3.85	-2.375	-0.0007	-2.5 to 2.5	Pass
					4.40	-4.506	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.877	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.944	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.506	-0.0009	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.50	-3.848	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.802	-0.0005	-2.5 to 2.5	Pass
					4.40	-5.264	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-5.293	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0016	-2.5 to 2.5	Pass
50	3.85	-3.290	-0.0009	-2.5 to 2.5	Pass				

## 13.4 B42a\_20MHz

### 13.4.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	3.50	1.702	0.0005	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0004	-2.5 to 2.5	Pass
					4.40	-1.416	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-3.018	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.588	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.460	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.475	0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0004	-2.5 to 2.5	Pass
	3500	100	0	20	3.50	-1.731	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
					4.40	-1.016	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass

				10	3.85	-3.247	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0002	-2.5 to 2.5	Pass
				20	3.50	-2.131	-0.0006	-2.5 to 2.5	Pass
	3540	100	0	20	3.85	-3.948	-0.0011	-2.5 to 2.5	Pass
				4.40	-2.532	-0.0007	-2.5 to 2.5	Pass	
				-30	3.85	-3.204	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.588	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.730	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.401	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0011	-2.5 to 2.5	Pass
				30	3.85	1.674	0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.990	-0.0008	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	3.50	1.087	0.0003	-2.5 to 2.5	Pass
				3.85	-1.287	-0.0004	-2.5 to 2.5	Pass	
				4.40	2.146	0.0006	-2.5 to 2.5	Pass	
				-30	3.85	-1.330	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.745	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.089	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0005	-2.5 to 2.5	Pass
	50	3.85	1.817	0.0005	-2.5 to 2.5	Pass			
	3500	100	0	20	3.50	0.329	0.0001	-2.5 to 2.5	Pass
				3.85	0.200	0.0001	-2.5 to 2.5	Pass	
				4.40	0.672	0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.930	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.662	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.661	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-3.734	-0.0011	-2.5 to 2.5	Pass			
	3540	100	0	20	3.50	0.558	0.0002	-2.5 to 2.5	Pass
				3.85	-3.762	-0.0011	-2.5 to 2.5	Pass	
				4.40	1.903	0.0005	-2.5 to 2.5	Pass	
				-30	3.85	-2.117	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0010	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0005	-2.5 to 2.5	Pass
30				3.85	-0.930	-0.0003	-2.5 to 2.5	Pass	
40				3.85	-2.689	-0.0008	-2.5 to 2.5	Pass	
50	3.85	-2.804	-0.0008	-2.5 to 2.5	Pass				

## 15. Frequency Stability

### 15.1 B48\_5MHz

15.1.1 Test Result

Band: 48 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	3.50	3.834	0.0011	-2.5 to 2.5	Pass
					3.85	3.090	0.0009	-2.5 to 2.5	Pass
					4.40	2.718	0.0008	-2.5 to 2.5	Pass
				-30	3.85	5.379	0.0015	-2.5 to 2.5	Pass
				-20	3.85	3.033	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0004	-2.5 to 2.5	Pass
				0	3.85	3.834	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.990	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0001	-2.5 to 2.5	Pass
	50	3.85	1.187	0.0003	-2.5 to 2.5	Pass			
	3625	25	0	20	3.50	-0.801	-0.0002	-2.5 to 2.5	Pass
					3.85	3.648	0.0010	-2.5 to 2.5	Pass
					4.40	0.901	0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.260	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				-10	3.85	2.546	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.605	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.159	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0001	-2.5 to 2.5	Pass
	50	3.85	-1.831	-0.0005	-2.5 to 2.5	Pass			
	3697.5	25	0	20	3.50	-1.187	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.114	0.0000	-2.5 to 2.5	Pass
					4.40	1.073	0.0003	-2.5 to 2.5	Pass
				-30	3.85	4.535	0.0012	-2.5 to 2.5	Pass
				-20	3.85	3.304	0.0009	-2.5 to 2.5	Pass
				-10	3.85	4.892	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.588	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
30				3.85	2.503	0.0007	-2.5 to 2.5	Pass	
40				3.85	-0.429	-0.0001	-2.5 to 2.5	Pass	
50	3.85	1.101	0.0003	-2.5 to 2.5	Pass				
16QAM	3552.5	25	0	20	3.50	0.873	0.0002	-2.5 to 2.5	Pass
					3.85	4.005	0.0011	-2.5 to 2.5	Pass
					4.40	-1.445	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.688	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.687	0.0002	-2.5 to 2.5	Pass
				-10	3.85	3.076	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.644	0.0002	-2.5 to 2.5	Pass
				30	3.85	3.633	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0002	-2.5 to 2.5	Pass
	50	3.85	0.529	0.0001	-2.5 to 2.5	Pass			
	3625	25	0	20	3.50	2.031	0.0006	-2.5 to 2.5	Pass
					3.85	3.104	0.0009	-2.5 to 2.5	Pass
					4.40	3.161	0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.403	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.618	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.562	0.0010	-2.5 to 2.5	Pass

				10	3.85	0.844	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0003	-2.5 to 2.5	Pass
				40	3.85	2.904	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.834	0.0011	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.50	1.001	0.0003	-2.5 to 2.5	Pass
					3.85	2.918	0.0008	-2.5 to 2.5	Pass
					4.40	3.247	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.402	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0002	-2.5 to 2.5	Pass
				40	3.85	4.191	0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.772	-0.0002	-2.5 to 2.5	Pass

## 15.2 B48\_10MHz

### 15.2.1 Test Result

Band: 48 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	3.50	2.217	0.0006	-2.5 to 2.5	Pass
					3.85	2.017	0.0006	-2.5 to 2.5	Pass
					4.40	4.849	0.0014	-2.5 to 2.5	Pass
				-30	3.85	2.189	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.831	0.0005	-2.5 to 2.5	Pass
				-10	3.85	3.505	0.0010	-2.5 to 2.5	Pass
				0	3.85	3.262	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.974	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				3625	50	0	20	3.50	1.359
	3.85	0.358	0.0001					-2.5 to 2.5	Pass
	4.40	3.190	0.0009					-2.5 to 2.5	Pass
	-30	3.85	1.602				0.0004	-2.5 to 2.5	Pass
	-20	3.85	3.076				0.0008	-2.5 to 2.5	Pass
	-10	3.85	1.030				0.0003	-2.5 to 2.5	Pass
	0	3.85	1.359				0.0004	-2.5 to 2.5	Pass
	10	3.85	0.844				0.0002	-2.5 to 2.5	Pass
	30	3.85	-0.200				-0.0001	-2.5 to 2.5	Pass
	40	3.85	1.717				0.0005	-2.5 to 2.5	Pass
	50	3.85	1.531				0.0004	-2.5 to 2.5	Pass
	3695	50	0				20	3.50	4.263
				3.85	0.272	0.0001		-2.5 to 2.5	Pass
				4.40	3.376	0.0009		-2.5 to 2.5	Pass
				-30	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.659	0.0004	-2.5 to 2.5	Pass
				-10	3.85	5.050	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.245	0.0003	-2.5 to 2.5	Pass
				10	3.85	5.622	0.0015	-2.5 to 2.5	Pass
				30	3.85	7.339	0.0020	-2.5 to 2.5	Pass
				40	3.85	3.619	0.0010	-2.5 to 2.5	Pass

				50	3.85	1.988	0.0005	-2.5 to 2.5	Pass
16QAM	3555	50	0	20	3.50	3.033	0.0009	-2.5 to 2.5	Pass
					3.85	3.905	0.0011	-2.5 to 2.5	Pass
					4.40	0.687	0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.604	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.119	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.774	0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0004	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0004	-2.5 to 2.5	Pass
	50	3.85	3.977	0.0011	-2.5 to 2.5	Pass			
	3625	50	0	20	3.50	-0.486	-0.0001	-2.5 to 2.5	Pass
					3.85	3.562	0.0010	-2.5 to 2.5	Pass
					4.40	2.704	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.788	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0002	-2.5 to 2.5	Pass
				0	3.85	2.375	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				40	3.85	3.076	0.0008	-2.5 to 2.5	Pass
	50	3.85	1.874	0.0005	-2.5 to 2.5	Pass			
	3695	50	0	20	3.50	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	3.519	0.0010	-2.5 to 2.5	Pass
					4.40	1.287	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.259	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.259	0.0003	-2.5 to 2.5	Pass
30				3.85	-0.358	-0.0001	-2.5 to 2.5	Pass	
40				3.85	1.273	0.0003	-2.5 to 2.5	Pass	
50	3.85	3.891	0.0011	-2.5 to 2.5	Pass				

### 15.3 B48\_15MHz

#### 15.3.1 Test Result

Band: 48 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	3.50	-1.130	-0.0003	-2.5 to 2.5	Pass
					3.85	1.445	0.0004	-2.5 to 2.5	Pass
					4.40	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	2.575	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.433	-0.0010	-2.5 to 2.5	Pass
	50	3.85	-1.287	-0.0004	-2.5 to 2.5	Pass			
	3625	75	0	20	3.50	0.644	0.0002	-2.5 to 2.5	Pass
					3.85	1.459	0.0004	-2.5 to 2.5	Pass

					4.40	3.262	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.887	0.0002	-2.5 to 2.5	Pass
				-10	3.85	3.619	0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.073	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.416	0.0004	-2.5 to 2.5	Pass
	3692.5	75	0	20	3.50	0.057	0.0000	-2.5 to 2.5	Pass
					3.85	2.403	0.0007	-2.5 to 2.5	Pass
					4.40	3.748	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				-20	3.85	2.103	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				10	3.85	3.662	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.272	0.0001	-2.5 to 2.5	Pass
40	3.85	3.247	0.0009	-2.5 to 2.5	Pass				
50	3.85	2.503	0.0007	-2.5 to 2.5	Pass				
16QAM	3557.5	75	0	20	3.50	3.204	0.0009	-2.5 to 2.5	Pass
					3.85	-0.100	0.0000	-2.5 to 2.5	Pass
					4.40	1.931	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.016	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.887	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.758	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.431	0.0004	-2.5 to 2.5	Pass
				3625	75	0	20	3.50	-0.901
	3.85	1.445	0.0004					-2.5 to 2.5	Pass
	4.40	3.333	0.0009					-2.5 to 2.5	Pass
	-30	3.85	0.157				0.0000	-2.5 to 2.5	Pass
	-20	3.85	-0.958				-0.0003	-2.5 to 2.5	Pass
	-10	3.85	2.904				0.0008	-2.5 to 2.5	Pass
	0	3.85	0.401				0.0001	-2.5 to 2.5	Pass
	10	3.85	-0.029				0.0000	-2.5 to 2.5	Pass
	30	3.85	0.615				0.0002	-2.5 to 2.5	Pass
	40	3.85	2.589				0.0007	-2.5 to 2.5	Pass
	50	3.85	-1.287				-0.0004	-2.5 to 2.5	Pass
	3692.5	75	0				20	3.50	0.029
				3.85	1.259	0.0003		-2.5 to 2.5	Pass
				4.40	4.077	0.0011		-2.5 to 2.5	Pass
				-30	3.85	3.619	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0009	-2.5 to 2.5	Pass
				-10	3.85	4.277	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.488	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0006	-2.5 to 2.5	Pass
				30	3.85	2.389	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				50	3.85	1.173	0.0003	-2.5 to 2.5	Pass

15.4 B48\_20MHz



15.4.1 Test Result

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	3.50	0.229	0.0001	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
					4.40	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.930	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.958	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.259	-0.0004	-2.5 to 2.5	Pass
				40	3.85	2.975	0.0008	-2.5 to 2.5	Pass
	50	3.85	-0.029	0.0000	-2.5 to 2.5	Pass			
	3625	100	0	20	3.50	-3.247	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0004	-2.5 to 2.5	Pass
					4.40	0.973	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.304	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.988	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.117	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.860	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0003	-2.5 to 2.5	Pass
	50	3.85	-2.875	-0.0008	-2.5 to 2.5	Pass			
	3690	100	0	20	3.50	4.535	0.0012	-2.5 to 2.5	Pass
					3.85	1.945	0.0005	-2.5 to 2.5	Pass
					4.40	3.519	0.0010	-2.5 to 2.5	Pass
				-30	3.85	3.891	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.631	0.0004	-2.5 to 2.5	Pass
				0	3.85	5.937	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.379	0.0015	-2.5 to 2.5	Pass
30				3.85	0.987	0.0003	-2.5 to 2.5	Pass	
40				3.85	-0.100	0.0000	-2.5 to 2.5	Pass	
50	3.85	2.875	0.0008	-2.5 to 2.5	Pass				
16QAM	3560	100	0	20	3.50	-1.488	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.588	-0.0004	-2.5 to 2.5	Pass
					4.40	-0.343	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.990	0.0008	-2.5 to 2.5	Pass
				0	3.85	2.089	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0004	-2.5 to 2.5	Pass
	50	3.85	4.606	0.0013	-2.5 to 2.5	Pass			
	3625	100	0	20	3.50	-0.100	0.0000	-2.5 to 2.5	Pass
					3.85	-0.844	-0.0002	-2.5 to 2.5	Pass
					4.40	2.747	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.789	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.945	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0008	-2.5 to 2.5	Pass

				10	3.85	-1.216	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0001	-2.5 to 2.5	Pass
				40	3.85	3.834	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.217	0.0006	-2.5 to 2.5	Pass
	3690	100	0	20	3.50	2.246	0.0006	-2.5 to 2.5	Pass
					3.85	3.805	0.0010	-2.5 to 2.5	Pass
					4.40	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	3.705	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.758	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.574	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.418	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.575	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0005	-2.5 to 2.5	Pass
				40	3.85	2.918	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.104	0.0008	-2.5 to 2.5	Pass

## 16. Frequency Stability

### 16.1 B5\_1.4MHz

#### 16.1.1 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	3.50	-4.220	-0.0051	-2.5 to 2.5	Pass
					3.85	-10.643	-0.0129	-2.5 to 2.5	Pass
					4.40	-8.998	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-15.106	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-20.113	-0.0244	-2.5 to 2.5	Pass
				-10	3.85	-16.980	-0.0206	-2.5 to 2.5	Pass
				0	3.85	-12.460	-0.0151	-2.5 to 2.5	Pass
				10	3.85	-5.779	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-4.878	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
	50	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.50	-11.916	-0.0142	-2.5 to 2.5	Pass
					3.85	-21.486	-0.0257	-2.5 to 2.5	Pass
					4.40	-20.385	-0.0244	-2.5 to 2.5	Pass
				-30	3.85	-15.521	-0.0186	-2.5 to 2.5	Pass
				-20	3.85	-9.170	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-4.191	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
	50	3.85	1.030	0.0012	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.50	15.650	0.0184	-2.5 to 2.5	Pass
					3.85	12.488	0.0147	-2.5 to 2.5	Pass
					4.40	12.703	0.0150	-2.5 to 2.5	Pass
				-30	3.85	11.458	0.0135	-2.5 to 2.5	Pass
				-20	3.85	9.456	0.0111	-2.5 to 2.5	Pass
-10				3.85	6.824	0.0080	-2.5 to 2.5	Pass	
0				3.85	6.123	0.0072	-2.5 to 2.5	Pass	

				10	3.85	4.635	0.0055	-2.5 to 2.5	Pass
				30	3.85	4.420	0.0052	-2.5 to 2.5	Pass
				40	3.85	1.974	0.0023	-2.5 to 2.5	Pass
				50	3.85	2.947	0.0035	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.50	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.129	0.0002	-2.5 to 2.5	Pass
					4.40	0.615	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.144	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.403	0.0029	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0018	-2.5 to 2.5	Pass
				836.5	6	0	20	3.50	1.202
	3.85	-0.057	-0.0001					-2.5 to 2.5	Pass
	4.40	0.343	0.0004					-2.5 to 2.5	Pass
	-30	3.85	1.202				0.0014	-2.5 to 2.5	Pass
	-20	3.85	1.717				0.0021	-2.5 to 2.5	Pass
	-10	3.85	-0.229				-0.0003	-2.5 to 2.5	Pass
	0	3.85	1.860				0.0022	-2.5 to 2.5	Pass
	10	3.85	0.472				0.0006	-2.5 to 2.5	Pass
	30	3.85	0.830				0.0010	-2.5 to 2.5	Pass
	40	3.85	0.658				0.0008	-2.5 to 2.5	Pass
	50	3.85	1.645				0.0020	-2.5 to 2.5	Pass
	848.3	6	0				20	3.50	1.631
				3.85	2.246	0.0026		-2.5 to 2.5	Pass
				4.40	2.904	0.0034		-2.5 to 2.5	Pass
				-30	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.402	0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.587	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0007	-2.5 to 2.5	Pass
30				3.85	0.887	0.0010	-2.5 to 2.5	Pass	
40				3.85	0.844	0.0010	-2.5 to 2.5	Pass	
50				3.85	0.515	0.0006	-2.5 to 2.5	Pass	

## 16.2 B5\_3MHz

### 16.2.1 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	3.50	1.073	0.0013	-2.5 to 2.5	Pass
					3.85	1.173	0.0014	-2.5 to 2.5	Pass
					4.40	2.632	0.0032	-2.5 to 2.5	Pass
				-30	3.85	2.146	0.0026	-2.5 to 2.5	Pass
				-20	3.85	2.074	0.0025	-2.5 to 2.5	Pass
				-10	3.85	2.804	0.0034	-2.5 to 2.5	Pass
				0	3.85	2.561	0.0031	-2.5 to 2.5	Pass
				10	3.85	1.831	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.074	0.0025	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0033	-2.5 to 2.5	Pass

	836.5	15	0	50	3.85	1.044	0.0013	-2.5 to 2.5	Pass
				20	3.50	0.687	0.0008	-2.5 to 2.5	Pass
					3.85	0.801	0.0010	-2.5 to 2.5	Pass
					4.40	0.215	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
	30	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass			
	40	3.85	1.044	0.0012	-2.5 to 2.5	Pass			
	50	3.85	0.458	0.0005	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.50	1.359	0.0016	-2.5 to 2.5	Pass
					3.85	2.875	0.0034	-2.5 to 2.5	Pass
					4.40	1.903	0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.260	0.0027	-2.5 to 2.5	Pass
				-10	3.85	2.489	0.0029	-2.5 to 2.5	Pass
0				3.85	1.531	0.0018	-2.5 to 2.5	Pass	
10				3.85	1.416	0.0017	-2.5 to 2.5	Pass	
30				3.85	3.333	0.0039	-2.5 to 2.5	Pass	
40	3.85	2.804	0.0033	-2.5 to 2.5	Pass				
50	3.85	3.133	0.0037	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.50	1.488	0.0018	-2.5 to 2.5	Pass
					3.85	2.303	0.0028	-2.5 to 2.5	Pass
					4.40	1.459	0.0018	-2.5 to 2.5	Pass
				-30	3.85	1.760	0.0021	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0019	-2.5 to 2.5	Pass
				-10	3.85	2.589	0.0031	-2.5 to 2.5	Pass
				0	3.85	2.160	0.0026	-2.5 to 2.5	Pass
				10	3.85	2.146	0.0026	-2.5 to 2.5	Pass
				30	3.85	1.030	0.0012	-2.5 to 2.5	Pass
	40	3.85	2.561	0.0031	-2.5 to 2.5	Pass			
	50	3.85	1.845	0.0022	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.50	-0.372	-0.0004	-2.5 to 2.5	Pass
					3.85	1.445	0.0017	-2.5 to 2.5	Pass
					4.40	0.815	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.429	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
10				3.85	-0.014	0.0000	-2.5 to 2.5	Pass	
30				3.85	-0.200	-0.0002	-2.5 to 2.5	Pass	
40	3.85	0.215	0.0003	-2.5 to 2.5	Pass				
50	3.85	0.143	0.0002	-2.5 to 2.5	Pass				
847.5	15	0	20	3.50	2.632	0.0031	-2.5 to 2.5	Pass	
				3.85	2.718	0.0032	-2.5 to 2.5	Pass	
				4.40	2.689	0.0032	-2.5 to 2.5	Pass	
			-30	3.85	2.518	0.0030	-2.5 to 2.5	Pass	
			-20	3.85	1.688	0.0020	-2.5 to 2.5	Pass	
			-10	3.85	1.416	0.0017	-2.5 to 2.5	Pass	
			0	3.85	2.775	0.0033	-2.5 to 2.5	Pass	
			10	3.85	1.287	0.0015	-2.5 to 2.5	Pass	
			30	3.85	0.873	0.0010	-2.5 to 2.5	Pass	
40	3.85	1.702	0.0020	-2.5 to 2.5	Pass				
50	3.85	1.101	0.0013	-2.5 to 2.5	Pass				

16.3 B5\_5MHz

16.3.1 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	3.50	-0.873	-0.0011	-2.5 to 2.5	Pass	
					3.85	1.187	0.0014	-2.5 to 2.5	Pass	
					4.40	0.672	0.0008	-2.5 to 2.5	Pass	
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass	
					-20	3.85	0.157	0.0002	-2.5 to 2.5	Pass
						-10	3.85	0.043	0.0001	-2.5 to 2.5
				0	3.85	0.157	0.0002	-2.5 to 2.5	Pass	
					10	3.85	0.787	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass	
	40	3.85	0.758	0.0009	-2.5 to 2.5	Pass				
	50	3.85	0.257	0.0003	-2.5 to 2.5	Pass				
	836.5	25	0	20	3.50	0.916	0.0011	-2.5 to 2.5	Pass	
					3.85	0.257	0.0003	-2.5 to 2.5	Pass	
					4.40	-0.587	-0.0007	-2.5 to 2.5	Pass	
				-30	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass	
					-20	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
						-10	3.85	-0.429	-0.0005	-2.5 to 2.5
				0	3.85	0.072	0.0001	-2.5 to 2.5	Pass	
					10	3.85	0.372	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0009	-2.5 to 2.5	Pass	
	40	3.85	1.345	0.0016	-2.5 to 2.5	Pass				
	50	3.85	1.373	0.0016	-2.5 to 2.5	Pass				
	846.5	25	0	20	3.50	0.486	0.0006	-2.5 to 2.5	Pass	
					3.85	0.787	0.0009	-2.5 to 2.5	Pass	
					4.40	0.358	0.0004	-2.5 to 2.5	Pass	
				-30	3.85	0.315	0.0004	-2.5 to 2.5	Pass	
					-20	3.85	0.658	0.0008	-2.5 to 2.5	Pass
-10						3.85	0.701	0.0008	-2.5 to 2.5	Pass
0				3.85	0.916	0.0011	-2.5 to 2.5	Pass		
				10	3.85	0.844	0.0010	-2.5 to 2.5	Pass	
30				3.85	1.030	0.0012	-2.5 to 2.5	Pass		
40	3.85	1.645	0.0019	-2.5 to 2.5	Pass					
50	3.85	0.887	0.0010	-2.5 to 2.5	Pass					
16QAM	826.5	25	0	20	3.50	-0.029	0.0000	-2.5 to 2.5	Pass	
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass	
					4.40	-0.858	-0.0010	-2.5 to 2.5	Pass	
				-30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass	
					-20	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
						-10	3.85	0.801	0.0010	-2.5 to 2.5
				0	3.85	1.502	0.0018	-2.5 to 2.5	Pass	
					10	3.85	1.817	0.0022	-2.5 to 2.5	Pass
				30	3.85	1.273	0.0015	-2.5 to 2.5	Pass	
	40	3.85	0.801	0.0010	-2.5 to 2.5	Pass				
	50	3.85	1.044	0.0013	-2.5 to 2.5	Pass				
	836.5	25	0	20	3.50	0.615	0.0007	-2.5 to 2.5	Pass	
					3.85	1.202	0.0014	-2.5 to 2.5	Pass	
					4.40	0.973	0.0012	-2.5 to 2.5	Pass	
				-30	3.85	0.372	0.0004	-2.5 to 2.5	Pass	
					-20	3.85	1.431	0.0017	-2.5 to 2.5	Pass

				-10	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.787	0.0009	-2.5 to 2.5	Pass
	846.5	25	0	20	3.50	0.358	0.0004	-2.5 to 2.5	Pass
					3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
					4.40	0.644	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.059	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass

## 16.4 B5\_10MHz

### 16.4.1 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	3.50	0.601	0.0007	-2.5 to 2.5	Pass			
					3.85	0.315	0.0004	-2.5 to 2.5	Pass			
					4.40	0.315	0.0004	-2.5 to 2.5	Pass			
				-30	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass			
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass			
				-10	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass			
				0	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass			
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass			
				30	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass			
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass			
				50	3.85	0.615	0.0007	-2.5 to 2.5	Pass			
				836.5	50	0	20	3.50	0.329	0.0004	-2.5 to 2.5	Pass
								3.85	-0.458	-0.0005	-2.5 to 2.5	Pass
								4.40	-0.343	-0.0004	-2.5 to 2.5	Pass
							-30	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
	-20	3.85	-0.143				-0.0002	-2.5 to 2.5	Pass			
	-10	3.85	0.272				0.0003	-2.5 to 2.5	Pass			
	0	3.85	0.644				0.0008	-2.5 to 2.5	Pass			
	10	3.85	0.529				0.0006	-2.5 to 2.5	Pass			
	30	3.85	0.229				0.0003	-2.5 to 2.5	Pass			
	40	3.85	-0.043				-0.0001	-2.5 to 2.5	Pass			
	50	3.85	1.245				0.0015	-2.5 to 2.5	Pass			
	844	50	0				20	3.50	-1.316	-0.0016	-2.5 to 2.5	Pass
								3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
								4.40	-0.958	-0.0011	-2.5 to 2.5	Pass
							-30	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass			
				-10	3.85	-1.960	-0.0023	-2.5 to 2.5	Pass			
				0	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass			
				10	3.85	-0.715	-0.0008	-2.5 to 2.5	Pass			

				30	3.85	-2.747	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.50	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	1.330	0.0016	-2.5 to 2.5	Pass
					4.40	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.157	0.0002	-2.5 to 2.5	Pass
	50	3.85	0.715	0.0009	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.50	0.815	0.0010	-2.5 to 2.5	Pass
					3.85	1.302	0.0016	-2.5 to 2.5	Pass
					4.40	0.157	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.873	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
	50	3.85	1.001	0.0012	-2.5 to 2.5	Pass			
	844	50	0	20	3.50	-0.973	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
					4.40	-1.459	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.117	-0.0025	-2.5 to 2.5	Pass
30				3.85	-0.587	-0.0007	-2.5 to 2.5	Pass	
40				3.85	-0.358	-0.0004	-2.5 to 2.5	Pass	
50	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass				

## 17. Frequency Stability

### 17.1 B7\_5MHz

#### 17.1.1 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	3.50	-1.302	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
					4.40	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass

	2535	25	0	30	3.85	-0.830	-0.0003	-2.5 to 2.5	Pass				
				40	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass				
				50	3.85	0.086	0.0000	-2.5 to 2.5	Pass				
				20	3.50	0.930	0.0004	-2.5 to 2.5	Pass				
					3.85	2.189	0.0009	-2.5 to 2.5	Pass				
					4.40	2.332	0.0009	-2.5 to 2.5	Pass				
				-30	3.85	1.459	0.0006	-2.5 to 2.5	Pass				
				-20	3.85	1.674	0.0007	-2.5 to 2.5	Pass				
				-10	3.85	1.316	0.0005	-2.5 to 2.5	Pass				
				0	3.85	1.502	0.0006	-2.5 to 2.5	Pass				
				10	3.85	1.731	0.0007	-2.5 to 2.5	Pass				
				30	3.85	0.300	0.0001	-2.5 to 2.5	Pass				
				40	3.85	0.300	0.0001	-2.5 to 2.5	Pass				
				50	3.85	0.758	0.0003	-2.5 to 2.5	Pass				
				2567.5	25	0	20	3.50	-0.916	-0.0004	-2.5 to 2.5	Pass	
	3.85	0.429	0.0002					-2.5 to 2.5	Pass				
	4.40	-1.187	-0.0005					-2.5 to 2.5	Pass				
	-30	3.85	-1.259				-0.0005	-2.5 to 2.5	Pass				
	-20	3.85	-0.243				-0.0001	-2.5 to 2.5	Pass				
	-10	3.85	-0.114				0.0000	-2.5 to 2.5	Pass				
	0	3.85	-0.200				-0.0001	-2.5 to 2.5	Pass				
	10	3.85	-0.515				-0.0002	-2.5 to 2.5	Pass				
	30	3.85	-0.515				-0.0002	-2.5 to 2.5	Pass				
	40	3.85	1.144				0.0004	-2.5 to 2.5	Pass				
	50	3.85	-0.358				-0.0001	-2.5 to 2.5	Pass				
	16QAM	2502.5	25				0	20	3.50	-0.887	-0.0004	-2.5 to 2.5	Pass
									3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
									4.40	-0.057	0.0000	-2.5 to 2.5	Pass
								-30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.257		0.0001	-2.5 to 2.5	Pass			
-10				3.85	-0.744	-0.0003		-2.5 to 2.5	Pass				
0				3.85	-0.401	-0.0002		-2.5 to 2.5	Pass				
10				3.85	-0.844	-0.0003		-2.5 to 2.5	Pass				
30				3.85	-0.587	-0.0002		-2.5 to 2.5	Pass				
40				3.85	-2.661	-0.0011		-2.5 to 2.5	Pass				
50				3.85	-1.459	-0.0006		-2.5 to 2.5	Pass				
2535				25	0	20		3.50	0.443	0.0002	-2.5 to 2.5	Pass	
								3.85	-0.114	0.0000	-2.5 to 2.5	Pass	
								4.40	-0.672	-0.0003	-2.5 to 2.5	Pass	
						-30		3.85	0.186	0.0001	-2.5 to 2.5	Pass	
		-20	3.85			0.172	0.0001	-2.5 to 2.5	Pass				
		-10	3.85			-0.515	-0.0002	-2.5 to 2.5	Pass				
		0	3.85			-0.343	-0.0001	-2.5 to 2.5	Pass				
		10	3.85			-0.629	-0.0002	-2.5 to 2.5	Pass				
		30	3.85			-0.401	-0.0002	-2.5 to 2.5	Pass				
		40	3.85			-0.916	-0.0004	-2.5 to 2.5	Pass				
		50	3.85			-0.715	-0.0003	-2.5 to 2.5	Pass				
		2567.5	25			0	20	3.50	0.815	0.0003	-2.5 to 2.5	Pass	
								3.85	0.572	0.0002	-2.5 to 2.5	Pass	
								4.40	-0.257	-0.0001	-2.5 to 2.5	Pass	
							-30	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass	
-20				3.85	-1.130		-0.0004	-2.5 to 2.5	Pass				
-10				3.85	-1.073		-0.0004	-2.5 to 2.5	Pass				
0				3.85	0.343		0.0001	-2.5 to 2.5	Pass				
10				3.85	-0.844		-0.0003	-2.5 to 2.5	Pass				
30	3.85			-1.202	-0.0005		-2.5 to 2.5	Pass					
40	3.85			-0.086	0.0000		-2.5 to 2.5	Pass					



				50	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass
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## 17.2 B7\_10MHz

### 17.2.1 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	3.50	0.515	0.0002	-2.5 to 2.5	Pass
					3.85	1.388	0.0006	-2.5 to 2.5	Pass
					4.40	0.615	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.073	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
	50	3.85	-0.901	-0.0004	-2.5 to 2.5	Pass			
	2535	50	0	20	3.50	-0.472	-0.0002	-2.5 to 2.5	Pass
					3.85	1.559	0.0006	-2.5 to 2.5	Pass
					4.40	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.446	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
	50	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass			
	2565	50	0	20	3.50	-1.760	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.029	0.0000	-2.5 to 2.5	Pass
					4.40	0.315	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0003	-2.5 to 2.5	Pass
30				3.85	1.588	0.0006	-2.5 to 2.5	Pass	
40				3.85	0.014	0.0000	-2.5 to 2.5	Pass	
50	3.85	0.973	0.0004	-2.5 to 2.5	Pass				
16QAM	2505	50	0	20	3.50	0.086	0.0000	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
					4.40	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0000	-2.5 to 2.5	Pass
	50	3.85	0.315	0.0001	-2.5 to 2.5	Pass			
	2535	50	0	20	3.50	0.844	0.0003	-2.5 to 2.5	Pass
					3.85	0.343	0.0001	-2.5 to 2.5	Pass

					4.40	0.944	0.0004	-2.5 to 2.5	Pass			
				-30	3.85	0.515	0.0002	-2.5 to 2.5	Pass			
				-20	3.85	-0.072	0.0000	-2.5 to 2.5	Pass			
				-10	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass			
				0	3.85	0.114	0.0000	-2.5 to 2.5	Pass			
				10	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass			
				30	3.85	1.316	0.0005	-2.5 to 2.5	Pass			
				40	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass			
				50	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass			
	2565	50	0	20	3.50	1.731	0.0007	-2.5 to 2.5	Pass			
								3.85	2.060	0.0008	-2.5 to 2.5	Pass
								4.40	-1.516	-0.0006	-2.5 to 2.5	Pass
							-30	3.85	1.373	0.0005	-2.5 to 2.5	Pass
							-20	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
							-10	3.85	0.629	0.0002	-2.5 to 2.5	Pass
							0	3.85	0.658	0.0003	-2.5 to 2.5	Pass
							10	3.85	0.973	0.0004	-2.5 to 2.5	Pass
							30	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
							40	3.85	0.587	0.0002	-2.5 to 2.5	Pass
							50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass

### 17.3 B7\_15MHz

#### 17.3.1 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	3.50	-2.375	-0.0009	-2.5 to 2.5	Pass				
						3.85	-0.458	-0.0002	-2.5 to 2.5	Pass			
						4.40	0.615	0.0002	-2.5 to 2.5	Pass			
								-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
								-20	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
								-10	3.85	0.529	0.0002	-2.5 to 2.5	Pass
								0	3.85	0.830	0.0003	-2.5 to 2.5	Pass
								10	3.85	0.315	0.0001	-2.5 to 2.5	Pass
								30	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
								40	3.85	0.257	0.0001	-2.5 to 2.5	Pass
								50	3.85	0.687	0.0003	-2.5 to 2.5	Pass
					2535	75	0	20	3.50	0.029	0.0000	-2.5 to 2.5	Pass
									3.85	1.731	0.0007	-2.5 to 2.5	Pass
									4.40	0.172	0.0001	-2.5 to 2.5	Pass
								-30	3.85	-1.144	-0.0005	-2.5 to 2.5	Pass
								-20	3.85	1.316	0.0005	-2.5 to 2.5	Pass
								-10	3.85	1.001	0.0004	-2.5 to 2.5	Pass
								0	3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
								10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
								30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
								40	3.85	0.057	0.0000	-2.5 to 2.5	Pass
								50	3.85	0.916	0.0004	-2.5 to 2.5	Pass
		2562.5	75	0				20	3.50	-0.272	-0.0001	-2.5 to 2.5	Pass
									3.85	0.615	0.0002	-2.5 to 2.5	Pass
									4.40	0.315	0.0001	-2.5 to 2.5	Pass
								-30	3.85	0.272	0.0001	-2.5 to 2.5	Pass
					-20	3.85	-3.262	-0.0013	-2.5 to 2.5	Pass			

				-10	3.85	-0.629	-0.0002	-2.5 to 2.5	Pass			
				0	3.85	-2.189	-0.0009	-2.5 to 2.5	Pass			
				10	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass			
				30	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass			
				40	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass			
				50	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass			
16QAM	2507.5	75	0	20	3.50	-2.074	-0.0008	-2.5 to 2.5	Pass			
					3.85	0.243	0.0001	-2.5 to 2.5	Pass			
					4.40	-0.086	0.0000	-2.5 to 2.5	Pass			
				-30	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass			
				-20	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass			
				-10	3.85	0.114	0.0000	-2.5 to 2.5	Pass			
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass			
				10	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass			
				30	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass			
				40	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass			
				50	3.85	-0.114	0.0000	-2.5 to 2.5	Pass			
				2535	75	0	20	3.50	-0.186	-0.0001	-2.5 to 2.5	Pass
								3.85	0.415	0.0002	-2.5 to 2.5	Pass
								4.40	0.343	0.0001	-2.5 to 2.5	Pass
							-30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
	-20	3.85	0.243				0.0001	-2.5 to 2.5	Pass			
	-10	3.85	-0.415				-0.0002	-2.5 to 2.5	Pass			
	0	3.85	0.443				0.0002	-2.5 to 2.5	Pass			
	10	3.85	-0.157				-0.0001	-2.5 to 2.5	Pass			
	30	3.85	-0.944				-0.0004	-2.5 to 2.5	Pass			
	40	3.85	0.815				0.0003	-2.5 to 2.5	Pass			
	50	3.85	-0.572				-0.0002	-2.5 to 2.5	Pass			
	2562.5	75	0				20	3.50	-0.529	-0.0002	-2.5 to 2.5	Pass
								3.85	-1.488	-0.0006	-2.5 to 2.5	Pass
								4.40	0.329	0.0001	-2.5 to 2.5	Pass
							-30	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass			
				-10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass			
				0	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass			
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass			
30				3.85	0.429	0.0002	-2.5 to 2.5	Pass				
40				3.85	0.057	0.0000	-2.5 to 2.5	Pass				
50				3.85	0.501	0.0002	-2.5 to 2.5	Pass				

## 17.4 B7\_20MHz

### 17.4.1 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	3.50	0.358	0.0001	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0005	-2.5 to 2.5	Pass
					4.40	-1.259	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0004	-2.5 to 2.5	Pass

	2535	100	0	30	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass				
				40	3.85	-1.416	-0.0006	-2.5 to 2.5	Pass				
				50	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass				
				20	3.50	-0.029	0.0000	-2.5 to 2.5	Pass				
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass				
					4.40	-0.043	0.0000	-2.5 to 2.5	Pass				
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass				
				-20	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass				
				-10	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass				
				0	3.85	1.602	0.0006	-2.5 to 2.5	Pass				
				10	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass				
				30	3.85	0.687	0.0003	-2.5 to 2.5	Pass				
				40	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass				
				50	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass				
				2560	100	0	20	3.50	-0.072	0.0000	-2.5 to 2.5	Pass	
	3.85	1.173	0.0005					-2.5 to 2.5	Pass				
	4.40	0.758	0.0003					-2.5 to 2.5	Pass				
	-30	3.85	-0.172				-0.0001	-2.5 to 2.5	Pass				
	-20	3.85	0.558				0.0002	-2.5 to 2.5	Pass				
	-10	3.85	-0.358				-0.0001	-2.5 to 2.5	Pass				
	0	3.85	-0.272				-0.0001	-2.5 to 2.5	Pass				
	10	3.85	0.443				0.0002	-2.5 to 2.5	Pass				
	30	3.85	1.187				0.0005	-2.5 to 2.5	Pass				
	40	3.85	-1.316				-0.0005	-2.5 to 2.5	Pass				
	50	3.85	-0.958				-0.0004	-2.5 to 2.5	Pass				
	16QAM	2510	100				0	20	3.50	-0.987	-0.0004	-2.5 to 2.5	Pass
									3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
									4.40	0.272	0.0001	-2.5 to 2.5	Pass
								-30	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.186		-0.0001	-2.5 to 2.5	Pass			
-10				3.85	-0.472	-0.0002		-2.5 to 2.5	Pass				
0				3.85	0.887	0.0004		-2.5 to 2.5	Pass				
10				3.85	-0.944	-0.0004		-2.5 to 2.5	Pass				
30				3.85	-0.658	-0.0003		-2.5 to 2.5	Pass				
40				3.85	-0.057	0.0000		-2.5 to 2.5	Pass				
50				3.85	-1.359	-0.0005		-2.5 to 2.5	Pass				
2535				100	0	20		3.50	-0.143	-0.0001	-2.5 to 2.5	Pass	
								3.85	0.930	0.0004	-2.5 to 2.5	Pass	
								4.40	0.172	0.0001	-2.5 to 2.5	Pass	
						-30		3.85	-0.100	0.0000	-2.5 to 2.5	Pass	
		-20	3.85			0.000	0.0000	-2.5 to 2.5	Pass				
		-10	3.85			-0.601	-0.0002	-2.5 to 2.5	Pass				
		0	3.85			0.229	0.0001	-2.5 to 2.5	Pass				
		10	3.85			-0.901	-0.0004	-2.5 to 2.5	Pass				
		30	3.85			-0.014	0.0000	-2.5 to 2.5	Pass				
		40	3.85			-0.072	0.0000	-2.5 to 2.5	Pass				
		50	3.85			-0.615	-0.0002	-2.5 to 2.5	Pass				
		2560	100			0	20	3.50	0.014	0.0000	-2.5 to 2.5	Pass	
								3.85	1.073	0.0004	-2.5 to 2.5	Pass	
								4.40	-0.329	-0.0001	-2.5 to 2.5	Pass	
							-30	3.85	-0.715	-0.0003	-2.5 to 2.5	Pass	
-20				3.85	0.043		0.0000	-2.5 to 2.5	Pass				
-10				3.85	-0.715		-0.0003	-2.5 to 2.5	Pass				
0				3.85	0.100		0.0000	-2.5 to 2.5	Pass				
10				3.85	-0.873		-0.0003	-2.5 to 2.5	Pass				
30	3.85			-0.215	-0.0001		-2.5 to 2.5	Pass					
40	3.85			-0.887	-0.0003		-2.5 to 2.5	Pass					

				50	3.85	-0.587	-0.0002	-2.5 to 2.5	Pass
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