

1. Frequency Stability

1.1 B38_5MHz

1.1.1 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	3.27	-9.842	-0.0038	-2.5 to 2.5	Pass
					3.85	-23.375	-0.0091	-2.5 to 2.5	Pass
					4.43	-20.256	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-19.999	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-14.362	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-13.332	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-22.573	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-30.913	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-17.309	-0.0067	-2.5 to 2.5	Pass
	50	3.85	-19.598	-0.0076	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	-20.442	-0.0079	-2.5 to 2.5	Pass
					3.85	-9.742	-0.0038	-2.5 to 2.5	Pass
					4.43	-16.222	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-15.936	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-13.876	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-9.599	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-15.192	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-22.073	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-17.180	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-18.697	-0.0072	-2.5 to 2.5	Pass
	50	3.85	-18.139	-0.0070	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	-20.242	-0.0077	-2.5 to 2.5	Pass
					3.85	-17.195	-0.0066	-2.5 to 2.5	Pass
					4.43	-5.336	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-23.189	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-18.640	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-24.576	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-7.453	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-17.281	-0.0066	-2.5 to 2.5	Pass
30				3.85	-8.039	-0.0031	-2.5 to 2.5	Pass	
40				3.85	-18.668	-0.0071	-2.5 to 2.5	Pass	
50	3.85	-9.427	-0.0036	-2.5 to 2.5	Pass				
16QAM	2572.5	25	0	20	3.27	-13.032	-0.0051	-2.5 to 2.5	Pass
					3.85	-19.984	-0.0078	-2.5 to 2.5	Pass
					4.43	-30.999	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-20.800	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-9.828	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-23.274	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-20.542	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-17.066	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-20.499	-0.0080	-2.5 to 2.5	Pass
	50	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	-13.061	-0.0050	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0016	-2.5 to 2.5	Pass

					4.43	-8.082	-0.0031	-2.5 to 2.5	Pass			
				-30	3.85	-20.199	-0.0078	-2.5 to 2.5	Pass			
				-20	3.85	-11.344	-0.0044	-2.5 to 2.5	Pass			
				-10	3.85	-11.487	-0.0044	-2.5 to 2.5	Pass			
				0	3.85	-15.135	-0.0058	-2.5 to 2.5	Pass			
				10	3.85	-30.098	-0.0116	-2.5 to 2.5	Pass			
				30	3.85	-9.685	-0.0037	-2.5 to 2.5	Pass			
				40	3.85	-14.219	-0.0055	-2.5 to 2.5	Pass			
				50	3.85	-15.163	-0.0058	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	-16.751	-0.0064	-2.5 to 2.5	Pass			
3.85					-12.059	-0.0046	-2.5 to 2.5	Pass				
4.43					-15.020	-0.0057	-2.5 to 2.5	Pass				
							-30	3.85	-9.813	-0.0037	-2.5 to 2.5	Pass
							-20	3.85	-14.076	-0.0054	-2.5 to 2.5	Pass
							-10	3.85	-19.655	-0.0075	-2.5 to 2.5	Pass
							0	3.85	-24.004	-0.0092	-2.5 to 2.5	Pass
							10	3.85	-17.509	-0.0067	-2.5 to 2.5	Pass
							30	3.85	-12.975	-0.0050	-2.5 to 2.5	Pass
							40	3.85	-9.842	-0.0038	-2.5 to 2.5	Pass
							50	3.85	-14.105	-0.0054	-2.5 to 2.5	Pass

1.2 B38_10MHz

1.2.1 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	3.27	-8.526	-0.0033	-2.5 to 2.5	Pass				
					3.85	-13.604	-0.0053	-2.5 to 2.5	Pass				
					4.43	-14.863	-0.0058	-2.5 to 2.5	Pass				
								-30	3.85	-19.040	-0.0074	-2.5 to 2.5	Pass
								-20	3.85	-20.242	-0.0079	-2.5 to 2.5	Pass
								-10	3.85	-21.873	-0.0085	-2.5 to 2.5	Pass
								0	3.85	-26.007	-0.0101	-2.5 to 2.5	Pass
								10	3.85	-18.654	-0.0072	-2.5 to 2.5	Pass
								30	3.85	-18.196	-0.0071	-2.5 to 2.5	Pass
								40	3.85	-25.077	-0.0097	-2.5 to 2.5	Pass
								50	3.85	-15.764	-0.0061	-2.5 to 2.5	Pass
					2595	50	0	20	3.27	-14.462	-0.0056	-2.5 to 2.5	Pass
	3.85	-26.250	-0.0101	-2.5 to 2.5					Pass				
	4.43	-24.433	-0.0094	-2.5 to 2.5					Pass				
								-30	3.85	-21.029	-0.0081	-2.5 to 2.5	Pass
								-20	3.85	-13.733	-0.0053	-2.5 to 2.5	Pass
								-10	3.85	-23.417	-0.0090	-2.5 to 2.5	Pass
								0	3.85	-10.414	-0.0040	-2.5 to 2.5	Pass
								10	3.85	-10.028	-0.0039	-2.5 to 2.5	Pass
								30	3.85	-19.169	-0.0074	-2.5 to 2.5	Pass
								40	3.85	-11.559	-0.0045	-2.5 to 2.5	Pass
								50	3.85	-19.469	-0.0075	-2.5 to 2.5	Pass
		2615	50	0				20	3.27	-20.156	-0.0077	-2.5 to 2.5	Pass
	3.85				-10.815	-0.0041	-2.5 to 2.5		Pass				
	4.43				-26.507	-0.0101	-2.5 to 2.5		Pass				
								-30	3.85	-12.102	-0.0046	-2.5 to 2.5	Pass
					-20	3.85	-18.682	-0.0071	-2.5 to 2.5	Pass			

				-10	3.85	-15.864	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-27.280	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-13.361	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-18.468	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-14.348	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-17.982	-0.0069	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	-24.405	-0.0095	-2.5 to 2.5	Pass
					3.85	-16.494	-0.0064	-2.5 to 2.5	Pass
					4.43	-5.407	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-13.933	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-16.494	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-17.638	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-28.181	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-7.081	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-18.325	-0.0071	-2.5 to 2.5	Pass
	50	3.85	-13.776	-0.0053	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	-18.897	-0.0073	-2.5 to 2.5	Pass
					3.85	-16.322	-0.0063	-2.5 to 2.5	Pass
					4.43	-12.317	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-24.905	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-19.999	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-14.548	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-20.213	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-17.910	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-11.129	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-14.448	-0.0056	-2.5 to 2.5	Pass
	50	3.85	-6.008	-0.0023	-2.5 to 2.5	Pass			
	2615	50	0	20	3.27	-9.627	-0.0037	-2.5 to 2.5	Pass
					3.85	-17.753	-0.0068	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-11.630	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-13.304	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-13.547	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-10.071	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-18.811	-0.0072	-2.5 to 2.5	Pass
30				3.85	-6.695	-0.0026	-2.5 to 2.5	Pass	
40				3.85	-17.424	-0.0067	-2.5 to 2.5	Pass	
50	3.85	-23.103	-0.0088	-2.5 to 2.5	Pass				

1.3 B38_15MHz

1.3.1 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	3.27	-29.969	-0.0116	-2.5 to 2.5	Pass
					3.85	-15.450	-0.0060	-2.5 to 2.5	Pass
					4.43	-26.035	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-14.677	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-18.439	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-11.988	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-25.034	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-19.240	-0.0075	-2.5 to 2.5	Pass

	2595	75	0	30	3.85	-21.744	-0.0084	-2.5 to 2.5	Pass				
				40	3.85	-34.533	-0.0134	-2.5 to 2.5	Pass				
				50	3.85	-16.079	-0.0062	-2.5 to 2.5	Pass				
				20	3.27	-22.073	-0.0085	-2.5 to 2.5	Pass				
					3.85	-33.402	-0.0129	-2.5 to 2.5	Pass				
					4.43	-27.337	-0.0105	-2.5 to 2.5	Pass				
				-30	3.85	-32.487	-0.0125	-2.5 to 2.5	Pass				
				-20	3.85	-24.805	-0.0096	-2.5 to 2.5	Pass				
				-10	3.85	-23.260	-0.0090	-2.5 to 2.5	Pass				
				0	3.85	-19.298	-0.0074	-2.5 to 2.5	Pass				
				10	3.85	-20.027	-0.0077	-2.5 to 2.5	Pass				
				30	3.85	-32.830	-0.0127	-2.5 to 2.5	Pass				
				40	3.85	-16.179	-0.0062	-2.5 to 2.5	Pass				
				50	3.85	-10.729	-0.0041	-2.5 to 2.5	Pass				
				2612.5	75	0	20	3.27	-22.631	-0.0087	-2.5 to 2.5	Pass	
	3.85	-17.195	-0.0066					-2.5 to 2.5	Pass				
	4.43	-19.541	-0.0075					-2.5 to 2.5	Pass				
	-30	3.85	-25.449				-0.0097	-2.5 to 2.5	Pass				
	-20	3.85	-26.050				-0.0100	-2.5 to 2.5	Pass				
	-10	3.85	-25.649				-0.0098	-2.5 to 2.5	Pass				
	0	3.85	-22.488				-0.0086	-2.5 to 2.5	Pass				
	10	3.85	-14.377				-0.0055	-2.5 to 2.5	Pass				
	30	3.85	-12.903				-0.0049	-2.5 to 2.5	Pass				
	40	3.85	-22.144				-0.0085	-2.5 to 2.5	Pass				
	50	3.85	-26.622				-0.0102	-2.5 to 2.5	Pass				
	16QAM	2577.5	75				0	20	3.27	-17.023	-0.0066	-2.5 to 2.5	Pass
									3.85	-23.861	-0.0093	-2.5 to 2.5	Pass
									4.43	-19.412	-0.0075	-2.5 to 2.5	Pass
								-30	3.85	-19.255	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-14.734		-0.0057	-2.5 to 2.5	Pass			
-10				3.85	-15.879	-0.0062		-2.5 to 2.5	Pass				
0				3.85	-12.116	-0.0047		-2.5 to 2.5	Pass				
10				3.85	-14.763	-0.0057		-2.5 to 2.5	Pass				
30				3.85	-12.689	-0.0049		-2.5 to 2.5	Pass				
40				3.85	-22.416	-0.0087		-2.5 to 2.5	Pass				
50				3.85	-27.680	-0.0107		-2.5 to 2.5	Pass				
2595				75	0	20		3.27	-14.963	-0.0058	-2.5 to 2.5	Pass	
								3.85	-28.181	-0.0109	-2.5 to 2.5	Pass	
								4.43	-16.780	-0.0065	-2.5 to 2.5	Pass	
						-30		3.85	-21.200	-0.0082	-2.5 to 2.5	Pass	
		-20	3.85			-21.858	-0.0084	-2.5 to 2.5	Pass				
		-10	3.85			-15.907	-0.0061	-2.5 to 2.5	Pass				
		0	3.85			-12.317	-0.0047	-2.5 to 2.5	Pass				
		10	3.85			-20.428	-0.0079	-2.5 to 2.5	Pass				
		30	3.85			-20.285	-0.0078	-2.5 to 2.5	Pass				
		40	3.85			-18.711	-0.0072	-2.5 to 2.5	Pass				
		50	3.85			-9.985	-0.0038	-2.5 to 2.5	Pass				
		2612.5	75			0	20	3.27	-16.923	-0.0065	-2.5 to 2.5	Pass	
								3.85	-25.506	-0.0098	-2.5 to 2.5	Pass	
								4.43	-15.664	-0.0060	-2.5 to 2.5	Pass	
							-30	3.85	-17.338	-0.0066	-2.5 to 2.5	Pass	
-20				3.85	-19.197		-0.0073	-2.5 to 2.5	Pass				
-10				3.85	-12.546		-0.0048	-2.5 to 2.5	Pass				
0				3.85	-19.598		-0.0075	-2.5 to 2.5	Pass				
10				3.85	-14.648		-0.0056	-2.5 to 2.5	Pass				
30	3.85			-9.112	-0.0035		-2.5 to 2.5	Pass					
40	3.85			-21.944	-0.0084		-2.5 to 2.5	Pass					

				50	3.85	-22.488	-0.0086	-2.5 to 2.5	Pass
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1.4 B38_20MHz

1.4.1 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	3.27	-13.146	-0.0051	-2.5 to 2.5	Pass
					3.85	-26.679	-0.0103	-2.5 to 2.5	Pass
					4.43	-25.105	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-24.033	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-21.443	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-17.552	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-28.968	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-19.169	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-31.886	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-17.252	-0.0067	-2.5 to 2.5	Pass
	50	3.85	-20.428	-0.0079	-2.5 to 2.5	Pass			
	2595	100	0	20	3.27	-21.057	-0.0081	-2.5 to 2.5	Pass
					3.85	-16.580	-0.0064	-2.5 to 2.5	Pass
					4.43	-26.164	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-11.344	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-12.774	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-18.625	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-14.091	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-19.684	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-24.090	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-13.819	-0.0053	-2.5 to 2.5	Pass
	50	3.85	-24.104	-0.0093	-2.5 to 2.5	Pass			
	2610	100	0	20	3.27	-24.261	-0.0093	-2.5 to 2.5	Pass
					3.85	-20.199	-0.0077	-2.5 to 2.5	Pass
					4.43	-12.460	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-22.645	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-21.358	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-22.459	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-35.820	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-13.933	-0.0053	-2.5 to 2.5	Pass
30				3.85	-15.392	-0.0059	-2.5 to 2.5	Pass	
40				3.85	-17.452	-0.0067	-2.5 to 2.5	Pass	
50	3.85	-22.001	-0.0084	-2.5 to 2.5	Pass				
16QAM	2580	100	0	20	3.27	-16.465	-0.0064	-2.5 to 2.5	Pass
					3.85	-23.074	-0.0089	-2.5 to 2.5	Pass
					4.43	-15.206	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-11.415	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-17.166	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-13.676	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-16.923	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-21.343	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-23.403	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-17.138	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-16.365	-0.0063	-2.5 to 2.5	Pass			
	2595	100	0	20	3.27	-18.182	-0.0070	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0031	-2.5 to 2.5	Pass

					4.43	-11.501	-0.0044	-2.5 to 2.5	Pass			
				-30	3.85	-23.746	-0.0092	-2.5 to 2.5	Pass			
				-20	3.85	-28.067	-0.0108	-2.5 to 2.5	Pass			
				-10	3.85	-24.276	-0.0094	-2.5 to 2.5	Pass			
				0	3.85	-25.506	-0.0098	-2.5 to 2.5	Pass			
				10	3.85	-18.554	-0.0071	-2.5 to 2.5	Pass			
				30	3.85	-12.431	-0.0048	-2.5 to 2.5	Pass			
				40	3.85	-22.159	-0.0085	-2.5 to 2.5	Pass			
				50	3.85	-16.465	-0.0063	-2.5 to 2.5	Pass			
	2610	100	0	20	3.27	-11.415	-0.0044	-2.5 to 2.5	Pass			
								3.85	-9.584	-0.0037	-2.5 to 2.5	Pass
								4.43	-17.695	-0.0068	-2.5 to 2.5	Pass
							-30	3.85	-21.873	-0.0084	-2.5 to 2.5	Pass
							-20	3.85	-10.014	-0.0038	-2.5 to 2.5	Pass
							-10	3.85	-13.046	-0.0050	-2.5 to 2.5	Pass
							0	3.85	-25.992	-0.0100	-2.5 to 2.5	Pass
							10	3.85	-26.522	-0.0102	-2.5 to 2.5	Pass
							30	3.85	-15.965	-0.0061	-2.5 to 2.5	Pass
							40	3.85	-14.062	-0.0054	-2.5 to 2.5	Pass
							50	3.85	-15.979	-0.0061	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B41_5MHz

2.1.1 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	2537.5	25	0	20	3.27	-17.095	-0.0067	-2.5 to 2.5	Pass				
						3.85	-24.304	-0.0096	-2.5 to 2.5	Pass			
						4.43	-19.956	-0.0079	-2.5 to 2.5	Pass			
								-30	3.85	-20.070	-0.0079	-2.5 to 2.5	Pass
								-20	3.85	-25.392	-0.0100	-2.5 to 2.5	Pass
								-10	3.85	-7.296	-0.0029	-2.5 to 2.5	Pass
								0	3.85	-11.530	-0.0045	-2.5 to 2.5	Pass
								10	3.85	-14.949	-0.0059	-2.5 to 2.5	Pass
								30	3.85	-25.878	-0.0102	-2.5 to 2.5	Pass
								40	3.85	-25.663	-0.0101	-2.5 to 2.5	Pass
								50	3.85	-22.030	-0.0087	-2.5 to 2.5	Pass
					2605	25	0	20	3.27	-23.661	-0.0091	-2.5 to 2.5	Pass
												3.85	-19.298
									4.43	-15.221	-0.0058	-2.5 to 2.5	Pass
								-30	3.85	-33.774	-0.0130	-2.5 to 2.5	Pass
								-20	3.85	-32.887	-0.0126	-2.5 to 2.5	Pass
								-10	3.85	-25.392	-0.0097	-2.5 to 2.5	Pass
								0	3.85	-22.073	-0.0085	-2.5 to 2.5	Pass
								10	3.85	-22.259	-0.0085	-2.5 to 2.5	Pass
								30	3.85	-21.458	-0.0082	-2.5 to 2.5	Pass
								40	3.85	-8.140	-0.0031	-2.5 to 2.5	Pass
								50	3.85	-15.607	-0.0060	-2.5 to 2.5	Pass
		2672.5	25	0				20	3.27	-17.610	-0.0066	-2.5 to 2.5	Pass
												3.85	-15.364

					4.43	-14.148	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-18.268	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-20.027	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-16.022	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-10.028	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-8.211	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-13.690	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-18.640	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-16.623	-0.0062	-2.5 to 2.5	Pass
16QAM	2537.5	25	0	20	3.27	-25.921	-0.0102	-2.5 to 2.5	Pass
					3.85	-14.577	-0.0057	-2.5 to 2.5	Pass
					4.43	-14.577	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-23.003	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-16.623	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-14.091	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-17.953	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-16.336	-0.0064	-2.5 to 2.5	Pass
	40	3.85	-13.518	-0.0053	-2.5 to 2.5	Pass			
	50	3.85	-17.796	-0.0070	-2.5 to 2.5	Pass			
	2605	25	0	20	3.27	-26.550	-0.0102	-2.5 to 2.5	Pass
					3.85	-33.989	-0.0130	-2.5 to 2.5	Pass
					4.43	-19.069	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-20.728	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-16.351	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-13.504	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.740	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-19.012	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-18.311	-0.0070	-2.5 to 2.5	Pass
	40	3.85	-1.101	-0.0004	-2.5 to 2.5	Pass			
	50	3.85	-22.159	-0.0085	-2.5 to 2.5	Pass			
	2672.5	25	0	20	3.27	-5.479	-0.0021	-2.5 to 2.5	Pass
					3.85	-20.428	-0.0076	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-10.285	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
-10				3.85	-5.436	-0.0020	-2.5 to 2.5	Pass	
0				3.85	-12.546	-0.0047	-2.5 to 2.5	Pass	
10				3.85	-11.172	-0.0042	-2.5 to 2.5	Pass	
30				3.85	-26.436	-0.0099	-2.5 to 2.5	Pass	
40	3.85	-8.354	-0.0031	-2.5 to 2.5	Pass				
50	3.85	-9.871	-0.0037	-2.5 to 2.5	Pass				

2.2 B41_10MHz

2.2.1 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	2540	50	0	20	3.27	-20.685	-0.0081	-2.5 to 2.5	Pass						
										3.85	-27.637	-0.0109	-2.5 to 2.5	Pass	
										4.43	-13.576	-0.0053	-2.5 to 2.5	Pass	
										-30	3.85	-27.108	-0.0107	-2.5 to 2.5	Pass
										-20	3.85	-20.227	-0.0080	-2.5 to 2.5	Pass

				-10	3.85	-8.798	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-28.968	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-13.661	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-21.529	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-15.950	-0.0063	-2.5 to 2.5	Pass
	50	3.85	-27.137	-0.0107	-2.5 to 2.5	Pass			
	2605	50	0	20	3.27	-21.830	-0.0084	-2.5 to 2.5	Pass
					3.85	-21.858	-0.0084	-2.5 to 2.5	Pass
					4.43	-18.353	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-14.448	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-19.226	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-21.300	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-20.556	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-16.980	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-32.415	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-13.061	-0.0050	-2.5 to 2.5	Pass
	50	3.85	-23.060	-0.0089	-2.5 to 2.5	Pass			
	2670	50	0	20	3.27	-22.087	-0.0083	-2.5 to 2.5	Pass
					3.85	-24.447	-0.0092	-2.5 to 2.5	Pass
					4.43	-23.475	-0.0088	-2.5 to 2.5	Pass
-30				3.85	-23.646	-0.0089	-2.5 to 2.5	Pass	
-20				3.85	-16.923	-0.0063	-2.5 to 2.5	Pass	
-10				3.85	-10.557	-0.0040	-2.5 to 2.5	Pass	
0				3.85	-22.602	-0.0085	-2.5 to 2.5	Pass	
10				3.85	-19.383	-0.0073	-2.5 to 2.5	Pass	
30				3.85	-25.048	-0.0094	-2.5 to 2.5	Pass	
40				3.85	-17.896	-0.0067	-2.5 to 2.5	Pass	
50	3.85	-28.281	-0.0106	-2.5 to 2.5	Pass				
16QAM	2540	50	0	20	3.27	-21.486	-0.0085	-2.5 to 2.5	Pass
					3.85	-18.654	-0.0073	-2.5 to 2.5	Pass
					4.43	-24.476	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-10.800	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-12.388	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-27.952	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-14.434	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-15.664	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-15.249	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-16.723	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-19.484	-0.0077	-2.5 to 2.5	Pass			
	2605	50	0	20	3.27	-26.336	-0.0101	-2.5 to 2.5	Pass
					3.85	-24.691	-0.0095	-2.5 to 2.5	Pass
					4.43	-25.306	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-18.153	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-25.992	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-25.120	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-16.294	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-12.488	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-10.872	-0.0042	-2.5 to 2.5	Pass
40				3.85	-32.544	-0.0125	-2.5 to 2.5	Pass	
50	3.85	-14.892	-0.0057	-2.5 to 2.5	Pass				
2670	50	0	20	3.27	-11.187	-0.0042	-2.5 to 2.5	Pass	
				3.85	-22.430	-0.0084	-2.5 to 2.5	Pass	
				4.43	-10.057	-0.0038	-2.5 to 2.5	Pass	
			-30	3.85	-18.926	-0.0071	-2.5 to 2.5	Pass	
			-20	3.85	-1.788	-0.0007	-2.5 to 2.5	Pass	
			-10	3.85	-18.296	-0.0069	-2.5 to 2.5	Pass	
			0	3.85	-25.005	-0.0094	-2.5 to 2.5	Pass	

				10	3.85	-21.973	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-18.682	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-28.095	-0.0105	-2.5 to 2.5	Pass

2.3 B41_15MHz

2.3.1 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	2542.5	75	0	20	3.27	-13.247	-0.0052	-2.5 to 2.5	Pass
					3.85	-18.182	-0.0072	-2.5 to 2.5	Pass
					4.43	-23.904	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-18.711	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-22.345	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-25.177	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-22.616	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-23.432	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-14.162	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-19.112	-0.0075	-2.5 to 2.5	Pass
	50	3.85	-20.056	-0.0079	-2.5 to 2.5	Pass			
	2605	75	0	20	3.27	-23.260	-0.0089	-2.5 to 2.5	Pass
					3.85	-27.781	-0.0107	-2.5 to 2.5	Pass
					4.43	-24.576	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-22.659	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-24.805	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-12.574	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-18.811	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-18.840	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-14.877	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-13.418	-0.0052	-2.5 to 2.5	Pass
	50	3.85	-23.961	-0.0092	-2.5 to 2.5	Pass			
	2667.5	75	0	20	3.27	-13.990	-0.0052	-2.5 to 2.5	Pass
					3.85	-16.694	-0.0063	-2.5 to 2.5	Pass
					4.43	-33.731	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-26.135	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-22.430	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-10.343	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-21.987	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-26.579	-0.0100	-2.5 to 2.5	Pass
30				3.85	-15.078	-0.0057	-2.5 to 2.5	Pass	
40				3.85	-25.306	-0.0095	-2.5 to 2.5	Pass	
50	3.85	-19.584	-0.0073	-2.5 to 2.5	Pass				
16QAM	2542.5	75	0	20	3.27	-13.061	-0.0051	-2.5 to 2.5	Pass
					3.85	-16.665	-0.0066	-2.5 to 2.5	Pass
					4.43	-16.551	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-18.082	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-9.470	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-19.212	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-24.133	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-14.863	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-19.856	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-29.569	-0.0116	-2.5 to 2.5	Pass

	2605	75	0	50	3.85	-22.845	-0.0090	-2.5 to 2.5	Pass
				20	3.27	-20.843	-0.0080	-2.5 to 2.5	Pass
					3.85	-15.206	-0.0058	-2.5 to 2.5	Pass
					4.43	-19.441	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-21.615	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-20.113	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-27.480	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-14.062	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-16.508	-0.0063	-2.5 to 2.5	Pass
	30	3.85	-21.772	-0.0084	-2.5 to 2.5	Pass			
	40	3.85	-20.413	-0.0078	-2.5 to 2.5	Pass			
	50	3.85	-26.193	-0.0101	-2.5 to 2.5	Pass			
	2667.5	75	0	20	3.27	-22.302	-0.0084	-2.5 to 2.5	Pass
					3.85	-21.343	-0.0080	-2.5 to 2.5	Pass
					4.43	-8.068	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-9.670	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-21.787	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-9.899	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-12.488	-0.0047	-2.5 to 2.5	Pass
10				3.85	-33.603	-0.0126	-2.5 to 2.5	Pass	
30				3.85	-15.850	-0.0059	-2.5 to 2.5	Pass	
40	3.85	-21.844	-0.0082	-2.5 to 2.5	Pass				
50	3.85	-18.024	-0.0068	-2.5 to 2.5	Pass				

2.4 B41_20MHz

2.4.1 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	2545	100	0	20	3.27	-22.702	-0.0089	-2.5 to 2.5	Pass
					3.85	-16.794	-0.0066	-2.5 to 2.5	Pass
					4.43	-19.012	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-20.943	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-24.920	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-20.342	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-19.169	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-33.731	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-21.658	-0.0085	-2.5 to 2.5	Pass
	40	3.85	-14.162	-0.0056	-2.5 to 2.5	Pass			
	50	3.85	-22.545	-0.0089	-2.5 to 2.5	Pass			
	2605	100	0	20	3.27	-25.506	-0.0098	-2.5 to 2.5	Pass
					3.85	-24.648	-0.0095	-2.5 to 2.5	Pass
					4.43	-17.481	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-25.692	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-20.056	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-29.984	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-20.528	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-15.492	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-24.705	-0.0095	-2.5 to 2.5	Pass
	40	3.85	-13.032	-0.0050	-2.5 to 2.5	Pass			
	50	3.85	-27.165	-0.0104	-2.5 to 2.5	Pass			
	2665	100	0	20	3.27	-11.759	-0.0044	-2.5 to 2.5	Pass
					3.85	-16.522	-0.0062	-2.5 to 2.5	Pass

					4.43	-22.373	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-8.526	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-21.701	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-16.222	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-15.693	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-24.562	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-16.623	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-22.159	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-23.232	-0.0087	-2.5 to 2.5	Pass
16QAM	2545	100	0	20	3.27	-17.610	-0.0069	-2.5 to 2.5	Pass
					3.85	-23.918	-0.0094	-2.5 to 2.5	Pass
					4.43	-19.312	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-18.754	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-13.919	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-20.986	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-20.843	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-30.584	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-21.715	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-18.010	-0.0071	-2.5 to 2.5	Pass
	50	3.85	-15.092	-0.0059	-2.5 to 2.5	Pass			
	2605	100	0	20	3.27	-15.678	-0.0060	-2.5 to 2.5	Pass
					3.85	-17.338	-0.0067	-2.5 to 2.5	Pass
					4.43	-18.611	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-17.853	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-11.401	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-25.463	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-20.900	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-10.071	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-16.608	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-22.702	-0.0087	-2.5 to 2.5	Pass
	50	3.85	-16.437	-0.0063	-2.5 to 2.5	Pass			
	2665	100	0	20	3.27	-18.783	-0.0070	-2.5 to 2.5	Pass
					3.85	-10.285	-0.0039	-2.5 to 2.5	Pass
					4.43	-19.684	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-22.988	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-14.234	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-17.910	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-18.311	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-14.377	-0.0054	-2.5 to 2.5	Pass
30				3.85	-25.034	-0.0094	-2.5 to 2.5	Pass	
40				3.85	-22.674	-0.0085	-2.5 to 2.5	Pass	
50	3.85	-7.639	-0.0029	-2.5 to 2.5	Pass				

3. Frequency Stability

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-11.501	-0.0139	-2.5 to 2.5	Pass
					3.85	-25.578	-0.0310	-2.5 to 2.5	Pass

					4.43	-34.189	-0.0415	-2.5 to 2.5	Pass	
				-30	3.85	-9.742	-0.0118	-2.5 to 2.5	Pass	
				-20	3.85	-15.936	-0.0193	-2.5 to 2.5	Pass	
				-10	3.85	-21.644	-0.0262	-2.5 to 2.5	Pass	
				0	3.85	-9.513	-0.0115	-2.5 to 2.5	Pass	
				10	3.85	-14.491	-0.0176	-2.5 to 2.5	Pass	
				30	3.85	-28.610	-0.0347	-2.5 to 2.5	Pass	
				40	3.85	-10.743	-0.0130	-2.5 to 2.5	Pass	
				50	3.85	-20.671	-0.0251	-2.5 to 2.5	Pass	
	836.5	6	0	20	3.27	-22.645	-0.0271	-2.5 to 2.5	Pass	
					3.85	-30.270	-0.0362	-2.5 to 2.5	Pass	
					4.43	-18.954	-0.0227	-2.5 to 2.5	Pass	
				-30	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass	
				-20	3.85	-15.306	-0.0183	-2.5 to 2.5	Pass	
				-10	3.85	-24.776	-0.0296	-2.5 to 2.5	Pass	
				0	3.85	-31.042	-0.0371	-2.5 to 2.5	Pass	
				10	3.85	-21.744	-0.0260	-2.5 to 2.5	Pass	
				30	3.85	-4.807	-0.0057	-2.5 to 2.5	Pass	
	848.3	6	0	20	3.27	-25.549	-0.0301	-2.5 to 2.5	Pass	
					3.85	-27.537	-0.0325	-2.5 to 2.5	Pass	
					4.43	-15.063	-0.0178	-2.5 to 2.5	Pass	
				-30	3.85	-16.050	-0.0189	-2.5 to 2.5	Pass	
				-20	3.85	-18.153	-0.0214	-2.5 to 2.5	Pass	
				-10	3.85	-22.445	-0.0265	-2.5 to 2.5	Pass	
				0	3.85	-18.983	-0.0224	-2.5 to 2.5	Pass	
				10	3.85	-11.930	-0.0141	-2.5 to 2.5	Pass	
				30	3.85	-28.868	-0.0340	-2.5 to 2.5	Pass	
	16QAM	824.7	6	0	20	3.27	-7.539	-0.0091	-2.5 to 2.5	Pass
						3.85	-8.469	-0.0103	-2.5 to 2.5	Pass
						4.43	-7.267	-0.0088	-2.5 to 2.5	Pass
					-30	3.85	-11.473	-0.0139	-2.5 to 2.5	Pass
					-20	3.85	-17.009	-0.0206	-2.5 to 2.5	Pass
					-10	3.85	-18.411	-0.0223	-2.5 to 2.5	Pass
0					3.85	-19.598	-0.0238	-2.5 to 2.5	Pass	
10					3.85	-28.124	-0.0341	-2.5 to 2.5	Pass	
30					3.85	-26.307	-0.0319	-2.5 to 2.5	Pass	
836.5		6	0	20	3.27	-35.949	-0.0430	-2.5 to 2.5	Pass	
					3.85	-10.042	-0.0120	-2.5 to 2.5	Pass	
					4.43	-8.955	-0.0107	-2.5 to 2.5	Pass	
				-30	3.85	-12.460	-0.0149	-2.5 to 2.5	Pass	
				-20	3.85	-7.911	-0.0095	-2.5 to 2.5	Pass	
				-10	3.85	-19.598	-0.0234	-2.5 to 2.5	Pass	
				0	3.85	-18.396	-0.0220	-2.5 to 2.5	Pass	
				10	3.85	-13.804	-0.0165	-2.5 to 2.5	Pass	
				30	3.85	-20.900	-0.0250	-2.5 to 2.5	Pass	
848.3		6	0	20	3.27	-14.362	-0.0169	-2.5 to 2.5	Pass	
					3.85	-15.664	-0.0185	-2.5 to 2.5	Pass	
					4.43	-20.728	-0.0244	-2.5 to 2.5	Pass	
				-30	3.85	-10.600	-0.0125	-2.5 to 2.5	Pass	

				-20	3.85	-15.635	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	-18.997	-0.0224	-2.5 to 2.5	Pass
				0	3.85	-17.409	-0.0205	-2.5 to 2.5	Pass
				10	3.85	-23.160	-0.0273	-2.5 to 2.5	Pass
				30	3.85	-30.456	-0.0359	-2.5 to 2.5	Pass
				40	3.85	-13.561	-0.0160	-2.5 to 2.5	Pass
				50	3.85	-22.616	-0.0267	-2.5 to 2.5	Pass

3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	825.5	15	0	20	3.27	-28.181	-0.0341	-2.5 to 2.5	Pass	
					3.85	-23.117	-0.0280	-2.5 to 2.5	Pass	
					4.43	-30.098	-0.0365	-2.5 to 2.5	Pass	
				-30	3.85	-11.244	-0.0136	-2.5 to 2.5	Pass	
					-20	3.85	-20.041	-0.0243	-2.5 to 2.5	Pass
						3.85	-26.350	-0.0319	-2.5 to 2.5	Pass
				0	3.85	-14.534	-0.0176	-2.5 to 2.5	Pass	
					10	3.85	-21.057	-0.0255	-2.5 to 2.5	Pass
				30	3.85	-29.111	-0.0353	-2.5 to 2.5	Pass	
	40	3.85	-13.633	-0.0165	-2.5 to 2.5	Pass				
	50	3.85	-19.612	-0.0238	-2.5 to 2.5	Pass				
	836.5	15	0	20	3.27	-17.023	-0.0204	-2.5 to 2.5	Pass	
					3.85	-27.766	-0.0332	-2.5 to 2.5	Pass	
					4.43	-13.762	-0.0165	-2.5 to 2.5	Pass	
				-30	3.85	-24.147	-0.0289	-2.5 to 2.5	Pass	
					-20	3.85	-29.955	-0.0358	-2.5 to 2.5	Pass
						3.85	-7.968	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-19.941	-0.0238	-2.5 to 2.5	Pass	
					10	3.85	-23.017	-0.0275	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass	
	40	3.85	-18.654	-0.0223	-2.5 to 2.5	Pass				
	50	3.85	-24.133	-0.0288	-2.5 to 2.5	Pass				
	847.5	15	0	20	3.27	-10.028	-0.0118	-2.5 to 2.5	Pass	
					3.85	-14.992	-0.0177	-2.5 to 2.5	Pass	
					4.43	-25.191	-0.0297	-2.5 to 2.5	Pass	
				-30	3.85	-21.372	-0.0252	-2.5 to 2.5	Pass	
					-20	3.85	-8.583	-0.0101	-2.5 to 2.5	Pass
3.85						-27.323	-0.0322	-2.5 to 2.5	Pass	
0				3.85	-23.460	-0.0277	-2.5 to 2.5	Pass		
				10	3.85	-9.427	-0.0111	-2.5 to 2.5	Pass	
30				3.85	-26.150	-0.0309	-2.5 to 2.5	Pass		
40	3.85	-14.305	-0.0169	-2.5 to 2.5	Pass					
50	3.85	-25.234	-0.0298	-2.5 to 2.5	Pass					
16QAM	825.5	15	0	20	3.27	-10.185	-0.0123	-2.5 to 2.5	Pass	
					3.85	-10.829	-0.0131	-2.5 to 2.5	Pass	
					4.43	-7.982	-0.0097	-2.5 to 2.5	Pass	
				-30	3.85	-11.730	-0.0142	-2.5 to 2.5	Pass	
					-20	3.85	-10.772	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-10.200	-0.0124	-2.5 to 2.5	Pass	
0	3.85	-23.518	-0.0285	-2.5 to 2.5	Pass					

	836.5	15	0	10	3.85	-21.873	-0.0265	-2.5 to 2.5	Pass
				30	3.85	-23.446	-0.0284	-2.5 to 2.5	Pass
				40	3.85	-30.570	-0.0370	-2.5 to 2.5	Pass
				50	3.85	-24.648	-0.0299	-2.5 to 2.5	Pass
				20	3.27	-3.576	-0.0043	-2.5 to 2.5	Pass
					3.85	-0.029	0.0000	-2.5 to 2.5	Pass
					4.43	-5.350	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	5.035	0.0060	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-5.336	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
	30	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass			
	40	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass			
	50	3.85	-5.250	-0.0063	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-6.452	-0.0076	-2.5 to 2.5	Pass
					3.85	-13.905	-0.0164	-2.5 to 2.5	Pass
					4.43	-13.161	-0.0155	-2.5 to 2.5	Pass
				-30	3.85	-33.488	-0.0395	-2.5 to 2.5	Pass
				-20	3.85	3.676	0.0043	-2.5 to 2.5	Pass
				-10	3.85	-6.366	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-8.268	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-15.392	-0.0182	-2.5 to 2.5	Pass
				30	3.85	-15.192	-0.0179	-2.5 to 2.5	Pass
40				3.85	-24.204	-0.0286	-2.5 to 2.5	Pass	
50				3.85	-24.619	-0.0290	-2.5 to 2.5	Pass	

3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-28.224	-0.0341	-2.5 to 2.5	Pass
					3.85	-16.880	-0.0204	-2.5 to 2.5	Pass
					4.43	-19.770	-0.0239	-2.5 to 2.5	Pass
				-30	3.85	-9.856	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-22.073	-0.0267	-2.5 to 2.5	Pass
				-10	3.85	-26.965	-0.0326	-2.5 to 2.5	Pass
				0	3.85	-11.015	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-18.053	-0.0218	-2.5 to 2.5	Pass
				30	3.85	-22.788	-0.0276	-2.5 to 2.5	Pass
				40	3.85	-13.561	-0.0164	-2.5 to 2.5	Pass
	50	3.85	-13.804	-0.0167	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	-21.272	-0.0254	-2.5 to 2.5	Pass
					3.85	-24.605	-0.0294	-2.5 to 2.5	Pass
					4.43	-14.019	-0.0168	-2.5 to 2.5	Pass
				-30	3.85	-24.977	-0.0299	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-9.985	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-18.368	-0.0220	-2.5 to 2.5	Pass
				10	3.85	-24.261	-0.0290	-2.5 to 2.5	Pass
				30	3.85	-29.154	-0.0349	-2.5 to 2.5	Pass
40				3.85	-6.065	-0.0073	-2.5 to 2.5	Pass	

	846.5	25	0	50	3.85	-14.462	-0.0173	-2.5 to 2.5	Pass
				20	3.27	-14.791	-0.0175	-2.5 to 2.5	Pass
					3.85	-10.643	-0.0126	-2.5 to 2.5	Pass
					4.43	-21.172	-0.0250	-2.5 to 2.5	Pass
				-30	3.85	-29.497	-0.0348	-2.5 to 2.5	Pass
				-20	3.85	-14.834	-0.0175	-2.5 to 2.5	Pass
				-10	3.85	-24.462	-0.0289	-2.5 to 2.5	Pass
				0	3.85	-14.706	-0.0174	-2.5 to 2.5	Pass
				10	3.85	-29.197	-0.0345	-2.5 to 2.5	Pass
				30	3.85	-15.664	-0.0185	-2.5 to 2.5	Pass
				40	3.85	-23.761	-0.0281	-2.5 to 2.5	Pass
				50	3.85	-12.431	-0.0147	-2.5 to 2.5	Pass
				16QAM	826.5	25	0	20	3.27
3.85	-21.772	-0.0263	-2.5 to 2.5						Pass
4.43	-24.476	-0.0296	-2.5 to 2.5						Pass
-30	3.85	-29.426	-0.0356					-2.5 to 2.5	Pass
-20	3.85	-27.924	-0.0338					-2.5 to 2.5	Pass
-10	3.85	-31.385	-0.0380					-2.5 to 2.5	Pass
0	3.85	-3.490	-0.0042					-2.5 to 2.5	Pass
10	3.85	-4.020	-0.0049					-2.5 to 2.5	Pass
30	3.85	-7.210	-0.0087					-2.5 to 2.5	Pass
40	3.85	-12.875	-0.0156					-2.5 to 2.5	Pass
50	3.85	-1.216	-0.0015					-2.5 to 2.5	Pass
836.5	25	0	20					3.27	-19.398
					3.85	-16.894	-0.0202	-2.5 to 2.5	Pass
					4.43	-16.308	-0.0195	-2.5 to 2.5	Pass
			-30		3.85	-14.291	-0.0171	-2.5 to 2.5	Pass
			-20		3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
			-10		3.85	0.086	0.0001	-2.5 to 2.5	Pass
			0		3.85	-3.376	-0.0040	-2.5 to 2.5	Pass
			10		3.85	0.343	0.0004	-2.5 to 2.5	Pass
			30		3.85	2.460	0.0029	-2.5 to 2.5	Pass
			40		3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
			50		3.85	-4.992	-0.0060	-2.5 to 2.5	Pass
			846.5		25	0	20	3.27	-20.270
3.85	-22.759	-0.0269						-2.5 to 2.5	Pass
4.43	-19.012	-0.0225						-2.5 to 2.5	Pass
-30	3.85	-24.676					-0.0292	-2.5 to 2.5	Pass
-20	3.85	-27.881					-0.0329	-2.5 to 2.5	Pass
-10	3.85	-29.826		-0.0352			-2.5 to 2.5	Pass	
0	3.85	-29.826		-0.0352			-2.5 to 2.5	Pass	
10	3.85	-6.738		-0.0080			-2.5 to 2.5	Pass	
30	3.85	-13.933		-0.0165			-2.5 to 2.5	Pass	
40	3.85	-5.193		-0.0061			-2.5 to 2.5	Pass	
50	3.85	-3.290		-0.0039			-2.5 to 2.5	Pass	

3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	829	50	0	20			3.27	-18.353	-0.0221	-2.5 to 2.5	Pass
							3.85	-16.065	-0.0194	-2.5 to 2.5	Pass

					4.43	-25.892	-0.0312	-2.5 to 2.5	Pass	
				-30	3.85	-17.352	-0.0209	-2.5 to 2.5	Pass	
				-20	3.85	-30.556	-0.0369	-2.5 to 2.5	Pass	
				-10	3.85	-27.022	-0.0326	-2.5 to 2.5	Pass	
				0	3.85	-11.930	-0.0144	-2.5 to 2.5	Pass	
				10	3.85	-25.177	-0.0304	-2.5 to 2.5	Pass	
				30	3.85	-12.131	-0.0146	-2.5 to 2.5	Pass	
				40	3.85	-22.087	-0.0266	-2.5 to 2.5	Pass	
				50	3.85	-28.982	-0.0350	-2.5 to 2.5	Pass	
	836.5	50	0	20	3.27	-22.988	-0.0275	-2.5 to 2.5	Pass	
					3.85	-13.576	-0.0162	-2.5 to 2.5	Pass	
					4.43	-20.428	-0.0244	-2.5 to 2.5	Pass	
				-30	3.85	-28.868	-0.0345	-2.5 to 2.5	Pass	
				-20	3.85	-11.501	-0.0137	-2.5 to 2.5	Pass	
				-10	3.85	-22.531	-0.0269	-2.5 to 2.5	Pass	
				0	3.85	-32.701	-0.0391	-2.5 to 2.5	Pass	
				10	3.85	-10.757	-0.0129	-2.5 to 2.5	Pass	
				30	3.85	-22.116	-0.0264	-2.5 to 2.5	Pass	
	40	3.85	-24.290	-0.0290	-2.5 to 2.5	Pass				
	50	3.85	-31.629	-0.0378	-2.5 to 2.5	Pass				
	844	50	0	20	3.27	-25.334	-0.0300	-2.5 to 2.5	Pass	
					3.85	-22.087	-0.0262	-2.5 to 2.5	Pass	
					4.43	-5.937	-0.0070	-2.5 to 2.5	Pass	
				-30	3.85	-17.681	-0.0209	-2.5 to 2.5	Pass	
				-20	3.85	-23.332	-0.0276	-2.5 to 2.5	Pass	
				-10	3.85	-11.072	-0.0131	-2.5 to 2.5	Pass	
				0	3.85	-20.456	-0.0242	-2.5 to 2.5	Pass	
				10	3.85	-29.969	-0.0355	-2.5 to 2.5	Pass	
				30	3.85	-16.108	-0.0191	-2.5 to 2.5	Pass	
	40	3.85	-18.482	-0.0219	-2.5 to 2.5	Pass				
	50	3.85	-14.677	-0.0174	-2.5 to 2.5	Pass				
	16QAM	829	50	0	20	3.27	-12.116	-0.0146	-2.5 to 2.5	Pass
						3.85	-12.646	-0.0153	-2.5 to 2.5	Pass
4.43						-16.665	-0.0201	-2.5 to 2.5	Pass	
-30					3.85	-24.490	-0.0295	-2.5 to 2.5	Pass	
-20					3.85	-16.208	-0.0196	-2.5 to 2.5	Pass	
-10					3.85	-9.885	-0.0119	-2.5 to 2.5	Pass	
0					3.85	-19.355	-0.0233	-2.5 to 2.5	Pass	
10					3.85	-18.096	-0.0218	-2.5 to 2.5	Pass	
30					3.85	-14.677	-0.0177	-2.5 to 2.5	Pass	
40		3.85	-14.019	-0.0169	-2.5 to 2.5	Pass				
50		3.85	-18.826	-0.0227	-2.5 to 2.5	Pass				
836.5		50	0	20	3.27	-6.909	-0.0083	-2.5 to 2.5	Pass	
					3.85	-6.208	-0.0074	-2.5 to 2.5	Pass	
					4.43	6.137	0.0073	-2.5 to 2.5	Pass	
				-30	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass	
				-20	3.85	-26.593	-0.0318	-2.5 to 2.5	Pass	
				-10	3.85	-21.987	-0.0263	-2.5 to 2.5	Pass	
				0	3.85	-21.300	-0.0255	-2.5 to 2.5	Pass	
				10	3.85	-21.544	-0.0258	-2.5 to 2.5	Pass	
				30	3.85	-16.994	-0.0203	-2.5 to 2.5	Pass	
40		3.85	-16.208	-0.0194	-2.5 to 2.5	Pass				
50		3.85	-17.695	-0.0212	-2.5 to 2.5	Pass				
844		50	0	20	3.27	-9.885	-0.0117	-2.5 to 2.5	Pass	
					3.85	-14.920	-0.0177	-2.5 to 2.5	Pass	
					4.43	-6.609	-0.0078	-2.5 to 2.5	Pass	
				-30	3.85	4.163	0.0049	-2.5 to 2.5	Pass	

				-20	3.85	-11.687	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-8.469	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-11.373	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-3.462	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-2.775	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0086	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B7_5MHz

4.1.1 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	3.27	-17.138	-0.0068	-2.5 to 2.5	Pass	
					3.85	-25.177	-0.0101	-2.5 to 2.5	Pass	
					4.43	-6.495	-0.0026	-2.5 to 2.5	Pass	
				-30	3.85	-19.269	-0.0077	-2.5 to 2.5	Pass	
					-20	3.85	-17.638	-0.0070	-2.5 to 2.5	Pass
						3.85	-16.251	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-13.919	-0.0056	-2.5 to 2.5	Pass	
					10	3.85	-22.731	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-14.348	-0.0057	-2.5 to 2.5	Pass	
	40	3.85	-5.307		-0.0021	-2.5 to 2.5	Pass			
	50	3.85	-14.048	-0.0056	-2.5 to 2.5	Pass				
	2535	25	0	20	3.27	-14.420	-0.0057	-2.5 to 2.5	Pass	
					3.85	7.095	0.0028	-2.5 to 2.5	Pass	
					4.43	-14.920	-0.0059	-2.5 to 2.5	Pass	
				-30	3.85	-7.625	-0.0030	-2.5 to 2.5	Pass	
					-20	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
						3.85	-5.565	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.908	-0.0023	-2.5 to 2.5	Pass	
					10	3.85	-12.674	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-12.331	-0.0049	-2.5 to 2.5	Pass	
	40	3.85	-12.274		-0.0048	-2.5 to 2.5	Pass			
	50	3.85	-3.533	-0.0014	-2.5 to 2.5	Pass				
	2567.5	25	0	20	3.27	-8.326	-0.0032	-2.5 to 2.5	Pass	
					3.85	-2.918	-0.0011	-2.5 to 2.5	Pass	
					4.43	-4.220	-0.0016	-2.5 to 2.5	Pass	
				-30	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass	
					-20	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
3.85						-6.051	-0.0024	-2.5 to 2.5	Pass	
0				3.85	-16.379	-0.0064	-2.5 to 2.5	Pass		
				10	3.85	-8.798	-0.0034	-2.5 to 2.5	Pass	
30				3.85	-13.390	-0.0052	-2.5 to 2.5	Pass		
	40	3.85	-9.971	-0.0039	-2.5 to 2.5	Pass				
50	3.85	-12.002	-0.0047	-2.5 to 2.5	Pass					
16QAM	2502.5	25	0	20	3.27	-6.952	-0.0028	-2.5 to 2.5	Pass	
					3.85	-5.894	-0.0024	-2.5 to 2.5	Pass	
					4.43	-14.105	-0.0056	-2.5 to 2.5	Pass	
				-30	3.85	-18.110	-0.0072	-2.5 to 2.5	Pass	

				-20	3.85	-17.681	-0.0071	-2.5 to 2.5	Pass			
				-10	3.85	-14.606	-0.0058	-2.5 to 2.5	Pass			
				0	3.85	-9.084	-0.0036	-2.5 to 2.5	Pass			
				10	3.85	5.322	0.0021	-2.5 to 2.5	Pass			
				30	3.85	-2.661	-0.0011	-2.5 to 2.5	Pass			
				40	3.85	-11.415	-0.0046	-2.5 to 2.5	Pass			
				50	3.85	-8.798	-0.0035	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	-7.453	-0.0029	-2.5 to 2.5	Pass			
					3.85	-7.367	-0.0029	-2.5 to 2.5	Pass			
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass			
				-30	3.85	-1.945	-0.0008	-2.5 to 2.5	Pass			
				-20	3.85	-2.103	-0.0008	-2.5 to 2.5	Pass			
				-10	3.85	1.101	0.0004	-2.5 to 2.5	Pass			
				0	3.85	-10.328	-0.0041	-2.5 to 2.5	Pass			
				10	3.85	1.130	0.0004	-2.5 to 2.5	Pass			
				30	3.85	-12.918	-0.0051	-2.5 to 2.5	Pass			
				40	3.85	-5.994	-0.0024	-2.5 to 2.5	Pass			
				50	3.85	-11.344	-0.0045	-2.5 to 2.5	Pass			
				2567.5	25	0	20	3.27	-15.306	-0.0060	-2.5 to 2.5	Pass
								3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
	4.43	-8.054	-0.0031					-2.5 to 2.5	Pass			
	-30	3.85	-6.180				-0.0024	-2.5 to 2.5	Pass			
	-20	3.85	-9.613				-0.0037	-2.5 to 2.5	Pass			
	-10	3.85	-17.109				-0.0067	-2.5 to 2.5	Pass			
	0	3.85	-19.727				-0.0077	-2.5 to 2.5	Pass			
	10	3.85	-5.064				-0.0020	-2.5 to 2.5	Pass			
	30	3.85	-3.633				-0.0014	-2.5 to 2.5	Pass			
	40	3.85	-11.759				-0.0046	-2.5 to 2.5	Pass			
	50	3.85	-12.717	-0.0050	-2.5 to 2.5	Pass						

4.2 B7_10MHz

4.2.1 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	3.27	-15.006	-0.0060	-2.5 to 2.5	Pass
					3.85	-16.751	-0.0067	-2.5 to 2.5	Pass
					4.43	-8.740	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-10.428	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-20.041	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-11.530	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-8.554	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-14.362	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-14.634	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-16.551	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-8.483	-0.0034	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	-7.367	-0.0029	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.063	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-14.663	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-13.647	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-13.232	-0.0052	-2.5 to 2.5	Pass

				10	3.85	-17.123	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-9.556	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-16.465	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-17.252	-0.0068	-2.5 to 2.5	Pass
				20	3.27	-19.856	-0.0077	-2.5 to 2.5	Pass
	2565	50	0	20	3.85	-18.239	-0.0071	-2.5 to 2.5	Pass
				4.43	1.402	0.0005	-2.5 to 2.5	Pass	
				-30	3.85	-12.746	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-15.793	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-11.187	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-14.920	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-13.390	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-14.205	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-7.424	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-13.847	-0.0054	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-24.290	-0.0097	-2.5 to 2.5	Pass
				3.85	1.144	0.0005	-2.5 to 2.5	Pass	
				4.43	-0.057	0.0000	-2.5 to 2.5	Pass	
				-30	3.85	-2.174	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-14.906	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-9.828	-0.0039	-2.5 to 2.5	Pass
				10	3.85	3.176	0.0013	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0022	-2.5 to 2.5	Pass
				40	3.85	11.916	0.0048	-2.5 to 2.5	Pass
	50	3.85	-6.695	-0.0027	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	-15.564	-0.0061	-2.5 to 2.5	Pass
				3.85	-3.891	-0.0015	-2.5 to 2.5	Pass	
				4.43	-4.134	-0.0016	-2.5 to 2.5	Pass	
				-30	3.85	-16.437	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-8.998	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-14.048	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-17.767	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-8.740	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-22.573	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-6.080	-0.0024	-2.5 to 2.5	Pass
	50	3.85	-9.785	-0.0039	-2.5 to 2.5	Pass			
	2565	50	0	20	3.27	-10.042	-0.0039	-2.5 to 2.5	Pass
				3.85	-17.009	-0.0066	-2.5 to 2.5	Pass	
				4.43	-7.839	-0.0031	-2.5 to 2.5	Pass	
				-30	3.85	-14.520	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-10.343	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-19.398	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-11.115	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-18.911	-0.0074	-2.5 to 2.5	Pass
30				3.85	-8.955	-0.0035	-2.5 to 2.5	Pass	
40				3.85	-17.352	-0.0068	-2.5 to 2.5	Pass	
50	3.85	-14.963	-0.0058	-2.5 to 2.5	Pass				

4.3 B7_15MHz

4.3.1 Test Result

Band: 7 / Bandwidth: 15MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	2507.5	75	0	20	3.27	-18.439	-0.0074	-2.5 to 2.5	Pass
					3.85	-24.562	-0.0098	-2.5 to 2.5	Pass
					4.43	-16.279	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-13.103	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-10.772	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-19.670	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-16.265	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-14.205	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-22.259	-0.0089	-2.5 to 2.5	Pass
	40	3.85	-8.039	-0.0032	-2.5 to 2.5	Pass			
	50	3.85	-16.036	-0.0064	-2.5 to 2.5	Pass			
	2535	75	0	20	3.27	-14.935	-0.0059	-2.5 to 2.5	Pass
					3.85	-17.409	-0.0069	-2.5 to 2.5	Pass
					4.43	-16.594	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-15.407	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-16.637	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-9.942	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-21.029	-0.0083	-2.5 to 2.5	Pass
	40	3.85	-18.640	-0.0074	-2.5 to 2.5	Pass			
	50	3.85	-8.039	-0.0032	-2.5 to 2.5	Pass			
	2562.5	75	0	20	3.27	-18.911	-0.0074	-2.5 to 2.5	Pass
					3.85	-15.750	-0.0061	-2.5 to 2.5	Pass
					4.43	-11.873	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-18.168	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-15.850	-0.0062	-2.5 to 2.5	Pass
-10				3.85	-6.437	-0.0025	-2.5 to 2.5	Pass	
0				3.85	-14.920	-0.0058	-2.5 to 2.5	Pass	
10				3.85	-19.412	-0.0076	-2.5 to 2.5	Pass	
30				3.85	-13.647	-0.0053	-2.5 to 2.5	Pass	
40	3.85	-3.777	-0.0015	-2.5 to 2.5	Pass				
50	3.85	-13.275	-0.0052	-2.5 to 2.5	Pass				
16QAM	2507.5	75	0	20	3.27	-8.068	-0.0032	-2.5 to 2.5	Pass
					3.85	-9.756	-0.0039	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-23.003	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-11.487	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-21.415	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-6.294	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-17.896	-0.0071	-2.5 to 2.5	Pass
	40	3.85	-4.692	-0.0019	-2.5 to 2.5	Pass			
	50	3.85	-2.918	-0.0012	-2.5 to 2.5	Pass			
	2535	75	0	20	3.27	-9.570	-0.0038	-2.5 to 2.5	Pass
					3.85	-8.268	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-9.284	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-9.656	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-15.693	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-15.392	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.898	-0.0035	-2.5 to 2.5	Pass
	40	3.85	-10.028	-0.0040	-2.5 to 2.5	Pass			
	50	3.85	-8.068	-0.0032	-2.5 to 2.5	Pass			
	2562.5	75	0	20	3.27	-7.267	-0.0028	-2.5 to 2.5	Pass

					3.85	-5.965	-0.0023	-2.5 to 2.5	Pass
					4.43	-19.841	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-7.296	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-7.210	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-10.114	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-9.813	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-13.018	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-14.420	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-14.076	-0.0055	-2.5 to 2.5	Pass

4.4 B7_20MHz

4.4.1 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	3.27	-18.053	-0.0072	-2.5 to 2.5	Pass
					3.85	-6.280	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.273	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-13.361	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-21.329	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-5.279	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-17.009	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-15.092	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-8.883	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-13.404	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-8.526	-0.0034	-2.5 to 2.5	Pass
				2535	100	0	20	3.27	-20.456
	3.85	-3.877	-0.0015					-2.5 to 2.5	Pass
	4.43	-18.983	-0.0075					-2.5 to 2.5	Pass
	-30	3.85	-17.023				-0.0067	-2.5 to 2.5	Pass
	-20	3.85	-19.069				-0.0075	-2.5 to 2.5	Pass
	-10	3.85	-20.370				-0.0080	-2.5 to 2.5	Pass
	0	3.85	-15.192				-0.0060	-2.5 to 2.5	Pass
	10	3.85	-13.332				-0.0053	-2.5 to 2.5	Pass
	30	3.85	-11.129				-0.0044	-2.5 to 2.5	Pass
	40	3.85	-17.867				-0.0070	-2.5 to 2.5	Pass
	50	3.85	-8.054				-0.0032	-2.5 to 2.5	Pass
	2560	100	0				20	3.27	-20.199
				3.85	-9.155	-0.0036		-2.5 to 2.5	Pass
				4.43	-11.988	-0.0047		-2.5 to 2.5	Pass
				-30	3.85	-16.580	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-8.826	-0.0034	-2.5 to 2.5	Pass
-10				3.85	-9.613	-0.0038	-2.5 to 2.5	Pass	
0				3.85	-14.863	-0.0058	-2.5 to 2.5	Pass	
10				3.85	-10.300	-0.0040	-2.5 to 2.5	Pass	
30				3.85	-14.606	-0.0057	-2.5 to 2.5	Pass	
40				3.85	-6.509	-0.0025	-2.5 to 2.5	Pass	
50				3.85	-11.387	-0.0044	-2.5 to 2.5	Pass	
16QAM				2510	100	0	20	3.27	-13.289
	3.85	-3.963	-0.0016					-2.5 to 2.5	Pass
	4.43	-15.965	-0.0064					-2.5 to 2.5	Pass
	-30	3.85	-3.633				-0.0014	-2.5 to 2.5	Pass

				-20	3.85	-18.024	-0.0072	-2.5 to 2.5	Pass			
				-10	3.85	-13.661	-0.0054	-2.5 to 2.5	Pass			
				0	3.85	-3.834	-0.0015	-2.5 to 2.5	Pass			
				10	3.85	-7.296	-0.0029	-2.5 to 2.5	Pass			
				30	3.85	-8.869	-0.0035	-2.5 to 2.5	Pass			
				40	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass			
				50	3.85	-11.687	-0.0047	-2.5 to 2.5	Pass			
	2535	100	0	20	3.27	-11.487	-0.0045	-2.5 to 2.5	Pass			
					3.85	-16.150	-0.0064	-2.5 to 2.5	Pass			
					4.43	-8.740	-0.0034	-2.5 to 2.5	Pass			
				-30	3.85	-5.779	-0.0023	-2.5 to 2.5	Pass			
				-20	3.85	-8.969	-0.0035	-2.5 to 2.5	Pass			
				-10	3.85	-11.730	-0.0046	-2.5 to 2.5	Pass			
				0	3.85	-12.274	-0.0048	-2.5 to 2.5	Pass			
				10	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass			
				30	3.85	-8.383	-0.0033	-2.5 to 2.5	Pass			
				40	3.85	-14.634	-0.0058	-2.5 to 2.5	Pass			
				50	3.85	-12.474	-0.0049	-2.5 to 2.5	Pass			
				2560	100	0	20	3.27	-17.781	-0.0069	-2.5 to 2.5	Pass
								3.85	-15.092	-0.0059	-2.5 to 2.5	Pass
	4.43	-5.550	-0.0022					-2.5 to 2.5	Pass			
	-30	3.85	-9.599				-0.0037	-2.5 to 2.5	Pass			
	-20	3.85	-14.162				-0.0055	-2.5 to 2.5	Pass			
	-10	3.85	-13.118				-0.0051	-2.5 to 2.5	Pass			
	0	3.85	-18.339				-0.0072	-2.5 to 2.5	Pass			
	10	3.85	-19.941				-0.0078	-2.5 to 2.5	Pass			
	30	3.85	-14.949				-0.0058	-2.5 to 2.5	Pass			
	40	3.85	-17.266				-0.0067	-2.5 to 2.5	Pass			
	50	3.85	-10.386	-0.0041	-2.5 to 2.5	Pass						