

1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-0.203	-0.0001	-2.5 to 2.5	Pass
					3.85	-28.169	-0.0152	-2.5 to 2.5	Pass
					4.43	3.697	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-28.091	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-17.836	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	4.973	0.0027	-2.5 to 2.5	Pass
				0	3.85	-18.985	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-34.724	-0.0188	-2.5 to 2.5	Pass
				30	3.85	6.315	0.0034	-2.5 to 2.5	Pass
				40	3.85	-10.497	-0.0057	-2.5 to 2.5	Pass
	50	3.85	-27.522	-0.0149	-2.5 to 2.5	Pass			
	1880	6	0	20	3.27	26.621	0.0142	-2.5 to 2.5	Pass
					3.85	-48.798	-0.0260	-2.5 to 2.5	Pass
					4.43	-35.129	-0.0187	-2.5 to 2.5	Pass
				-30	3.85	-15.103	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-25.740	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-31.192	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-23.207	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-29.040	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-30.064	-0.0160	-2.5 to 2.5	Pass
				40	3.85	1.134	0.0006	-2.5 to 2.5	Pass
	50	3.85	-10.694	-0.0057	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.27	3.925	0.0021	-2.5 to 2.5	Pass
					3.85	-28.429	-0.0149	-2.5 to 2.5	Pass
					4.43	-31.428	-0.0165	-2.5 to 2.5	Pass
				-30	3.85	-16.466	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-18.067	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	3.109	0.0016	-2.5 to 2.5	Pass
				0	3.85	-28.479	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-31.240	-0.0164	-2.5 to 2.5	Pass
30				3.85	2.657	0.0014	-2.5 to 2.5	Pass	
40				3.85	-29.114	-0.0152	-2.5 to 2.5	Pass	
50	3.85	-20.923	-0.0110	-2.5 to 2.5	Pass				
16QAM	1850.7	6	0	20	3.27	-18.267	-0.0099	-2.5 to 2.5	Pass
					3.85	-25.374	-0.0137	-2.5 to 2.5	Pass
					4.43	-31.433	-0.0170	-2.5 to 2.5	Pass
				-30	3.85	-31.003	-0.0168	-2.5 to 2.5	Pass
				-20	3.85	-34.769	-0.0188	-2.5 to 2.5	Pass
				-10	3.85	-36.017	-0.0195	-2.5 to 2.5	Pass
				0	3.85	-39.093	-0.0211	-2.5 to 2.5	Pass
				10	3.85	-44.493	-0.0240	-2.5 to 2.5	Pass
				30	3.85	17.020	0.0092	-2.5 to 2.5	Pass
				40	3.85	17.575	0.0095	-2.5 to 2.5	Pass
	50	3.85	18.215	0.0098	-2.5 to 2.5	Pass			
	1880	6	0	20	3.27	-22.796	-0.0121	-2.5 to 2.5	Pass
					3.85	-35.968	-0.0191	-2.5 to 2.5	Pass

					4.43	-14.157	-0.0075	-2.5 to 2.5	Pass			
				-30	3.85	-9.418	-0.0050	-2.5 to 2.5	Pass			
				-20	3.85	-48.202	-0.0256	-2.5 to 2.5	Pass			
				-10	3.85	-20.081	-0.0107	-2.5 to 2.5	Pass			
				0	3.85	-14.586	-0.0078	-2.5 to 2.5	Pass			
				10	3.85	-40.549	-0.0216	-2.5 to 2.5	Pass			
				30	3.85	-10.001	-0.0053	-2.5 to 2.5	Pass			
				40	3.85	-36.109	-0.0192	-2.5 to 2.5	Pass			
				50	3.85	-30.634	-0.0163	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.27	-51.340	-0.0269	-2.5 to 2.5	Pass			
3.85					-6.711	-0.0035	-2.5 to 2.5	Pass				
4.43					-24.911	-0.0130	-2.5 to 2.5	Pass				
							-30	3.85	-36.070	-0.0189	-2.5 to 2.5	Pass
							-20	3.85	-16.374	-0.0086	-2.5 to 2.5	Pass
							-10	3.85	-28.970	-0.0152	-2.5 to 2.5	Pass
							0	3.85	-44.675	-0.0234	-2.5 to 2.5	Pass
							10	3.85	-9.508	-0.0050	-2.5 to 2.5	Pass
							30	3.85	-19.262	-0.0101	-2.5 to 2.5	Pass
							40	3.85	-12.183	-0.0064	-2.5 to 2.5	Pass
							50	3.85	2.255	0.0012	-2.5 to 2.5	Pass

1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	1851.5	15	0	20	3.27	23.981	0.0130	-2.5 to 2.5	Pass				
					3.85	2.333	0.0013	-2.5 to 2.5	Pass				
					4.43	-23.940	-0.0129	-2.5 to 2.5	Pass				
								-30	3.85	-22.327	-0.0121	-2.5 to 2.5	Pass
								-20	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
								-10	3.85	-28.292	-0.0153	-2.5 to 2.5	Pass
								0	3.85	10.507	0.0057	-2.5 to 2.5	Pass
								10	3.85	-12.106	-0.0065	-2.5 to 2.5	Pass
								30	3.85	-39.144	-0.0211	-2.5 to 2.5	Pass
								40	3.85	-18.135	-0.0098	-2.5 to 2.5	Pass
								50	3.85	-37.652	-0.0203	-2.5 to 2.5	Pass
					1880	15	0	20	3.27	5.282	0.0028	-2.5 to 2.5	Pass
				3.85					6.304	0.0034	-2.5 to 2.5	Pass	
	4.43	2.713	0.0014	-2.5 to 2.5					Pass				
								-30	3.85	1.865	0.0010	-2.5 to 2.5	Pass
								-20	3.85	-4.258	-0.0023	-2.5 to 2.5	Pass
								-10	3.85	-1.420	-0.0008	-2.5 to 2.5	Pass
								0	3.85	-5.046	-0.0027	-2.5 to 2.5	Pass
								10	3.85	-7.727	-0.0041	-2.5 to 2.5	Pass
								30	3.85	-10.843	-0.0058	-2.5 to 2.5	Pass
								40	3.85	-10.488	-0.0056	-2.5 to 2.5	Pass
								50	3.85	-15.125	-0.0080	-2.5 to 2.5	Pass
		1908.5	15	0				20	3.27	18.741	0.0098	-2.5 to 2.5	Pass
	3.85								11.520	0.0060	-2.5 to 2.5	Pass	
	4.43				-6.815	-0.0036	-2.5 to 2.5		Pass				
								-30	3.85	-26.508	-0.0139	-2.5 to 2.5	Pass
								-20	3.85	-40.495	-0.0212	-2.5 to 2.5	Pass

				-10	3.85	-7.643	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-22.621	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-40.219	-0.0211	-2.5 to 2.5	Pass
				30	3.85	-17.500	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-31.919	-0.0167	-2.5 to 2.5	Pass
				50	3.85	-46.538	-0.0244	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	2.834	0.0015	-2.5 to 2.5	Pass
					3.85	-5.721	-0.0031	-2.5 to 2.5	Pass
					4.43	-14.758	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-23.798	-0.0129	-2.5 to 2.5	Pass
				-20	3.85	-26.767	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-35.889	-0.0194	-2.5 to 2.5	Pass
				0	3.85	-4.667	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-12.156	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-16.831	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-17.424	-0.0094	-2.5 to 2.5	Pass
	50	3.85	-23.630	-0.0128	-2.5 to 2.5	Pass			
	1880	15	0	20	3.27	-14.429	-0.0077	-2.5 to 2.5	Pass
					3.85	-18.391	-0.0098	-2.5 to 2.5	Pass
					4.43	-7.428	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-2.457	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.792	0.0004	-2.5 to 2.5	Pass
				-10	3.85	5.173	0.0028	-2.5 to 2.5	Pass
				0	3.85	7.206	0.0038	-2.5 to 2.5	Pass
				10	3.85	13.926	0.0074	-2.5 to 2.5	Pass
				30	3.85	16.538	0.0088	-2.5 to 2.5	Pass
				40	3.85	4.772	0.0025	-2.5 to 2.5	Pass
	50	3.85	4.341	0.0023	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.27	-54.003	-0.0283	-2.5 to 2.5	Pass
					3.85	2.723	0.0014	-2.5 to 2.5	Pass
					4.43	1.082	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.550	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.032	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.061	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.545	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.701	-0.0019	-2.5 to 2.5	Pass
30				3.85	-8.942	-0.0047	-2.5 to 2.5	Pass	
40				3.85	-12.053	-0.0063	-2.5 to 2.5	Pass	
50	3.85	-13.749	-0.0072	-2.5 to 2.5	Pass				

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	-5.271	-0.0028	-2.5 to 2.5	Pass
					3.85	-7.212	-0.0039	-2.5 to 2.5	Pass
					4.43	-26.588	-0.0144	-2.5 to 2.5	Pass
				-30	3.85	-37.916	-0.0205	-2.5 to 2.5	Pass
				-20	3.85	-5.070	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-19.196	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-42.237	-0.0228	-2.5 to 2.5	Pass
				10	3.85	-9.409	-0.0051	-2.5 to 2.5	Pass

	1880	25	0	30	3.85	-23.708	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-38.119	-0.0206	-2.5 to 2.5	Pass
				50	3.85	-8.673	-0.0047	-2.5 to 2.5	Pass
				20	3.27	3.104	0.0017	-2.5 to 2.5	Pass
					3.85	13.070	0.0070	-2.5 to 2.5	Pass
					4.43	20.331	0.0108	-2.5 to 2.5	Pass
				-30	3.85	22.770	0.0121	-2.5 to 2.5	Pass
				-20	3.85	28.849	0.0153	-2.5 to 2.5	Pass
				-10	3.85	35.399	0.0188	-2.5 to 2.5	Pass
				0	3.85	42.361	0.0225	-2.5 to 2.5	Pass
	10	3.85	45.260	0.0241	-2.5 to 2.5	Pass			
	30	3.85	11.986	0.0064	-2.5 to 2.5	Pass			
	40	3.85	11.921	0.0063	-2.5 to 2.5	Pass			
	50	3.85	17.108	0.0091	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.27	11.170	0.0059	-2.5 to 2.5	Pass
					3.85	0.940	0.0005	-2.5 to 2.5	Pass
					4.43	-11.508	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-28.628	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-44.590	-0.0234	-2.5 to 2.5	Pass
				-10	3.85	-1.656	-0.0009	-2.5 to 2.5	Pass
0				3.85	-17.008	-0.0089	-2.5 to 2.5	Pass	
10				3.85	-29.157	-0.0153	-2.5 to 2.5	Pass	
30				3.85	-40.559	-0.0213	-2.5 to 2.5	Pass	
40				3.85	-16.178	-0.0085	-2.5 to 2.5	Pass	
50	3.85	-28.543	-0.0150	-2.5 to 2.5	Pass				
16QAM	1852.5	25	0	20	3.27	-27.729	-0.0150	-2.5 to 2.5	Pass
					3.85	-30.881	-0.0167	-2.5 to 2.5	Pass
					4.43	-31.109	-0.0168	-2.5 to 2.5	Pass
				-30	3.85	-28.724	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-30.250	-0.0163	-2.5 to 2.5	Pass
				-10	3.85	-41.548	-0.0224	-2.5 to 2.5	Pass
				0	3.85	-43.810	-0.0236	-2.5 to 2.5	Pass
				10	3.85	-42.371	-0.0229	-2.5 to 2.5	Pass
				30	3.85	-42.319	-0.0228	-2.5 to 2.5	Pass
				40	3.85	-46.224	-0.0250	-2.5 to 2.5	Pass
	50	3.85	-43.632	-0.0236	-2.5 to 2.5	Pass			
	1880	25	0	20	3.27	20.956	0.0111	-2.5 to 2.5	Pass
					3.85	22.300	0.0119	-2.5 to 2.5	Pass
					4.43	35.806	0.0190	-2.5 to 2.5	Pass
				-30	3.85	40.877	0.0217	-2.5 to 2.5	Pass
				-20	3.85	45.510	0.0242	-2.5 to 2.5	Pass
				-10	3.85	54.059	0.0288	-2.5 to 2.5	Pass
				0	3.85	2.363	0.0013	-2.5 to 2.5	Pass
				10	3.85	6.310	0.0034	-2.5 to 2.5	Pass
				30	3.85	12.321	0.0066	-2.5 to 2.5	Pass
40				3.85	19.194	0.0102	-2.5 to 2.5	Pass	
50	3.85	23.565	0.0125	-2.5 to 2.5	Pass				
1907.5	25	0	20	3.27	-35.645	-0.0187	-2.5 to 2.5	Pass	
				3.85	8.883	0.0047	-2.5 to 2.5	Pass	
				4.43	7.680	0.0040	-2.5 to 2.5	Pass	
			-30	3.85	6.656	0.0035	-2.5 to 2.5	Pass	
			-20	3.85	7.532	0.0039	-2.5 to 2.5	Pass	
			-10	3.85	4.642	0.0024	-2.5 to 2.5	Pass	
			0	3.85	3.028	0.0016	-2.5 to 2.5	Pass	
			10	3.85	3.232	0.0017	-2.5 to 2.5	Pass	
			30	3.85	-0.289	-0.0002	-2.5 to 2.5	Pass	
			40	3.85	4.275	0.0022	-2.5 to 2.5	Pass	

				50	3.85	-1.378	-0.0007	-2.5 to 2.5	Pass
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1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	32.463	0.0175	-2.5 to 2.5	Pass
					3.85	-1.586	-0.0009	-2.5 to 2.5	Pass
					4.43	-12.247	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-24.733	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-43.408	-0.0234	-2.5 to 2.5	Pass
				-10	3.85	-17.293	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-32.425	-0.0175	-2.5 to 2.5	Pass
				10	3.85	-42.905	-0.0231	-2.5 to 2.5	Pass
				30	3.85	-57.283	-0.0309	-2.5 to 2.5	Pass
				40	3.85	-5.792	-0.0031	-2.5 to 2.5	Pass
	50	3.85	-22.089	-0.0119	-2.5 to 2.5	Pass			
	1880	50	0	20	3.27	10.823	0.0058	-2.5 to 2.5	Pass
					3.85	20.212	0.0108	-2.5 to 2.5	Pass
					4.43	26.855	0.0143	-2.5 to 2.5	Pass
				-30	3.85	32.229	0.0171	-2.5 to 2.5	Pass
				-20	3.85	30.839	0.0164	-2.5 to 2.5	Pass
				-10	3.85	35.783	0.0190	-2.5 to 2.5	Pass
				0	3.85	45.080	0.0240	-2.5 to 2.5	Pass
				10	3.85	35.454	0.0189	-2.5 to 2.5	Pass
				30	3.85	39.613	0.0211	-2.5 to 2.5	Pass
				40	3.85	39.404	0.0210	-2.5 to 2.5	Pass
	50	3.85	43.190	0.0230	-2.5 to 2.5	Pass			
	1905	50	0	20	3.27	16.926	0.0089	-2.5 to 2.5	Pass
					3.85	11.681	0.0061	-2.5 to 2.5	Pass
					4.43	-9.124	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-32.103	-0.0169	-2.5 to 2.5	Pass
				-20	3.85	-19.485	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-35.739	-0.0188	-2.5 to 2.5	Pass
				0	3.85	6.555	0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.415	-0.0039	-2.5 to 2.5	Pass
30				3.85	-22.538	-0.0118	-2.5 to 2.5	Pass	
40				3.85	-38.082	-0.0200	-2.5 to 2.5	Pass	
50	3.85	-12.930	-0.0068	-2.5 to 2.5	Pass				
16QAM	1855	50	0	20	3.27	-30.713	-0.0166	-2.5 to 2.5	Pass
					3.85	-32.914	-0.0177	-2.5 to 2.5	Pass
					4.43	-31.952	-0.0172	-2.5 to 2.5	Pass
				-30	3.85	-30.857	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-29.900	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-29.733	-0.0160	-2.5 to 2.5	Pass
				0	3.85	-26.155	-0.0141	-2.5 to 2.5	Pass
				10	3.85	-28.726	-0.0155	-2.5 to 2.5	Pass
				30	3.85	-27.969	-0.0151	-2.5 to 2.5	Pass
				40	3.85	-28.903	-0.0156	-2.5 to 2.5	Pass
	50	3.85	-26.033	-0.0140	-2.5 to 2.5	Pass			
	1880	50	0	20	3.27	48.352	0.0257	-2.5 to 2.5	Pass
					3.85	19.357	0.0103	-2.5 to 2.5	Pass

					4.43	28.595	0.0152	-2.5 to 2.5	Pass			
				-30	3.85	29.842	0.0159	-2.5 to 2.5	Pass			
				-20	3.85	41.042	0.0218	-2.5 to 2.5	Pass			
				-10	3.85	2.947	0.0016	-2.5 to 2.5	Pass			
				0	3.85	10.982	0.0058	-2.5 to 2.5	Pass			
				10	3.85	15.611	0.0083	-2.5 to 2.5	Pass			
				30	3.85	26.821	0.0143	-2.5 to 2.5	Pass			
				40	3.85	29.601	0.0157	-2.5 to 2.5	Pass			
				50	3.85	34.696	0.0185	-2.5 to 2.5	Pass			
	1905	50	0	20	3.27	-33.592	-0.0176	-2.5 to 2.5	Pass			
								3.85	-32.271	-0.0169	-2.5 to 2.5	Pass
								4.43	-36.474	-0.0191	-2.5 to 2.5	Pass
							-30	3.85	-31.545	-0.0166	-2.5 to 2.5	Pass
							-20	3.85	-35.175	-0.0185	-2.5 to 2.5	Pass
							-10	3.85	-33.351	-0.0175	-2.5 to 2.5	Pass
							0	3.85	-32.935	-0.0173	-2.5 to 2.5	Pass
							10	3.85	-34.978	-0.0184	-2.5 to 2.5	Pass
							30	3.85	-36.955	-0.0194	-2.5 to 2.5	Pass
							40	3.85	-37.954	-0.0199	-2.5 to 2.5	Pass
							50	3.85	-38.662	-0.0203	-2.5 to 2.5	Pass

1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	1857.5	75	0	20	3.27	30.598	0.0165	-2.5 to 2.5	Pass				
						3.85	24.045	0.0129	-2.5 to 2.5	Pass			
						4.43	11.513	0.0062	-2.5 to 2.5	Pass			
								-30	3.85	3.495	0.0019	-2.5 to 2.5	Pass
								-20	3.85	-11.761	-0.0063	-2.5 to 2.5	Pass
								-10	3.85	-24.697	-0.0133	-2.5 to 2.5	Pass
								0	3.85	-35.188	-0.0189	-2.5 to 2.5	Pass
								10	3.85	-41.158	-0.0222	-2.5 to 2.5	Pass
								30	3.85	-54.320	-0.0292	-2.5 to 2.5	Pass
								40	3.85	-12.859	-0.0069	-2.5 to 2.5	Pass
								50	3.85	-20.716	-0.0112	-2.5 to 2.5	Pass
					1880	75	0	20	3.27	29.770	0.0158	-2.5 to 2.5	Pass
									3.85	36.368	0.0193	-2.5 to 2.5	Pass
									4.43	-4.852	-0.0026	-2.5 to 2.5	Pass
								-30	3.85	0.354	0.0002	-2.5 to 2.5	Pass
								-20	3.85	-0.340	-0.0002	-2.5 to 2.5	Pass
								-10	3.85	2.572	0.0014	-2.5 to 2.5	Pass
								0	3.85	10.759	0.0057	-2.5 to 2.5	Pass
								10	3.85	11.345	0.0060	-2.5 to 2.5	Pass
								30	3.85	13.470	0.0072	-2.5 to 2.5	Pass
								40	3.85	17.348	0.0092	-2.5 to 2.5	Pass
								50	3.85	19.616	0.0104	-2.5 to 2.5	Pass
		1902.5	75	0				20	3.27	24.021	0.0126	-2.5 to 2.5	Pass
									3.85	14.954	0.0079	-2.5 to 2.5	Pass
									4.43	-9.411	-0.0049	-2.5 to 2.5	Pass
								-30	3.85	-33.107	-0.0174	-2.5 to 2.5	Pass
								-20	3.85	8.016	0.0042	-2.5 to 2.5	Pass

				-10	3.85	-20.715	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-40.281	-0.0212	-2.5 to 2.5	Pass
				10	3.85	-19.654	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-37.038	-0.0195	-2.5 to 2.5	Pass
				40	3.85	-0.514	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-18.920	-0.0099	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-28.751	-0.0155	-2.5 to 2.5	Pass
					3.85	-25.812	-0.0139	-2.5 to 2.5	Pass
					4.43	-27.317	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-22.990	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-18.353	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-21.013	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-17.544	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-15.522	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-11.423	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-13.222	-0.0071	-2.5 to 2.5	Pass
	50	3.85	-13.991	-0.0075	-2.5 to 2.5	Pass			
	1880	75	0	20	3.27	19.033	0.0101	-2.5 to 2.5	Pass
					3.85	30.975	0.0165	-2.5 to 2.5	Pass
					4.43	39.170	0.0208	-2.5 to 2.5	Pass
				-30	3.85	47.379	0.0252	-2.5 to 2.5	Pass
				-20	3.85	51.614	0.0275	-2.5 to 2.5	Pass
				-10	3.85	8.371	0.0045	-2.5 to 2.5	Pass
				0	3.85	15.306	0.0081	-2.5 to 2.5	Pass
				10	3.85	21.849	0.0116	-2.5 to 2.5	Pass
				30	3.85	22.389	0.0119	-2.5 to 2.5	Pass
				40	3.85	27.983	0.0149	-2.5 to 2.5	Pass
	50	3.85	35.055	0.0186	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.27	-33.163	-0.0174	-2.5 to 2.5	Pass
					3.85	-3.993	-0.0021	-2.5 to 2.5	Pass
					4.43	-7.282	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-4.951	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-9.868	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-12.904	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-15.594	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-16.666	-0.0088	-2.5 to 2.5	Pass
30				3.85	-23.625	-0.0124	-2.5 to 2.5	Pass	
40				3.85	-21.607	-0.0114	-2.5 to 2.5	Pass	
50	3.85	-24.963	-0.0131	-2.5 to 2.5	Pass				

1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	15.403	0.0083	-2.5 to 2.5	Pass
					3.85	24.680	0.0133	-2.5 to 2.5	Pass
					4.43	20.207	0.0109	-2.5 to 2.5	Pass
				-30	3.85	11.302	0.0061	-2.5 to 2.5	Pass
				-20	3.85	3.614	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.010	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-11.231	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-16.766	-0.0090	-2.5 to 2.5	Pass

	1880	100	0	30	3.85	-25.282	-0.0136	-2.5 to 2.5	Pass				
				40	3.85	-31.073	-0.0167	-2.5 to 2.5	Pass				
				50	3.85	-37.747	-0.0203	-2.5 to 2.5	Pass				
				20	3.27	24.660	0.0131	-2.5 to 2.5	Pass				
					3.85	30.171	0.0160	-2.5 to 2.5	Pass				
					4.43	32.073	0.0171	-2.5 to 2.5	Pass				
				-30	3.85	35.371	0.0188	-2.5 to 2.5	Pass				
				-20	3.85	37.363	0.0199	-2.5 to 2.5	Pass				
				-10	3.85	40.802	0.0217	-2.5 to 2.5	Pass				
				0	3.85	41.229	0.0219	-2.5 to 2.5	Pass				
				10	3.85	40.771	0.0217	-2.5 to 2.5	Pass				
				30	3.85	43.425	0.0231	-2.5 to 2.5	Pass				
				40	3.85	39.825	0.0212	-2.5 to 2.5	Pass				
				50	3.85	37.297	0.0198	-2.5 to 2.5	Pass				
				1900	100	0	20	3.27	18.742	0.0099	-2.5 to 2.5	Pass	
	3.85	11.473	0.0060					-2.5 to 2.5	Pass				
	4.43	-7.643	-0.0040					-2.5 to 2.5	Pass				
	-30	3.85	-29.685				-0.0156	-2.5 to 2.5	Pass				
	-20	3.85	-48.337				-0.0254	-2.5 to 2.5	Pass				
	-10	3.85	-14.575				-0.0077	-2.5 to 2.5	Pass				
	0	3.85	-33.733				-0.0178	-2.5 to 2.5	Pass				
	10	3.85	-8.950				-0.0047	-2.5 to 2.5	Pass				
	30	3.85	-26.280				-0.0138	-2.5 to 2.5	Pass				
	40	3.85	-38.166				-0.0201	-2.5 to 2.5	Pass				
	50	3.85	-3.780				-0.0020	-2.5 to 2.5	Pass				
	16QAM	1860	100				0	20	3.27	-44.404	-0.0239	-2.5 to 2.5	Pass
									3.85	-44.952	-0.0242	-2.5 to 2.5	Pass
									4.43	-5.710	-0.0031	-2.5 to 2.5	Pass
								-30	3.85	-2.112	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.371		0.0007	-2.5 to 2.5	Pass			
-10				3.85	5.724	0.0031		-2.5 to 2.5	Pass				
0				3.85	9.189	0.0049		-2.5 to 2.5	Pass				
10				3.85	12.325	0.0066		-2.5 to 2.5	Pass				
30				3.85	16.633	0.0089		-2.5 to 2.5	Pass				
40				3.85	20.619	0.0111		-2.5 to 2.5	Pass				
50				3.85	19.346	0.0104		-2.5 to 2.5	Pass				
1880				100	0	20		3.27	40.414	0.0215	-2.5 to 2.5	Pass	
								3.85	-12.950	-0.0069	-2.5 to 2.5	Pass	
								4.43	-6.078	-0.0032	-2.5 to 2.5	Pass	
						-30		3.85	3.869	0.0021	-2.5 to 2.5	Pass	
		-20	3.85			10.706	0.0057	-2.5 to 2.5	Pass				
		-10	3.85			14.291	0.0076	-2.5 to 2.5	Pass				
		0	3.85			19.288	0.0103	-2.5 to 2.5	Pass				
		10	3.85			28.939	0.0154	-2.5 to 2.5	Pass				
		30	3.85			35.316	0.0188	-2.5 to 2.5	Pass				
		40	3.85			38.463	0.0205	-2.5 to 2.5	Pass				
		50	3.85			7.507	0.0040	-2.5 to 2.5	Pass				
		1900	100			0	20	3.27	-18.955	-0.0100	-2.5 to 2.5	Pass	
								3.85	-21.325	-0.0112	-2.5 to 2.5	Pass	
								4.43	-23.619	-0.0124	-2.5 to 2.5	Pass	
							-30	3.85	-25.433	-0.0134	-2.5 to 2.5	Pass	
-20				3.85	-26.844		-0.0141	-2.5 to 2.5	Pass				
-10				3.85	-24.254		-0.0128	-2.5 to 2.5	Pass				
0				3.85	-27.986		-0.0147	-2.5 to 2.5	Pass				
10				3.85	-28.445		-0.0150	-2.5 to 2.5	Pass				
30	3.85			-28.200	-0.0148		-2.5 to 2.5	Pass					
40	3.85			-31.143	-0.0164		-2.5 to 2.5	Pass					

				50	3.85	-31.750	-0.0167	-2.5 to 2.5	Pass
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2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	-4.581	-0.0018	-2.5 to 2.5	Pass
					3.85	10.618	0.0041	-2.5 to 2.5	Pass
					4.43	16.859	0.0066	-2.5 to 2.5	Pass
				-30	3.85	22.102	0.0086	-2.5 to 2.5	Pass
				-20	3.85	26.926	0.0105	-2.5 to 2.5	Pass
				-10	3.85	15.228	0.0059	-2.5 to 2.5	Pass
				0	3.85	-4.005	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.293	0.0001	-2.5 to 2.5	Pass
				30	3.85	20.198	0.0079	-2.5 to 2.5	Pass
	40	3.85	26.701	0.0104	-2.5 to 2.5	Pass			
	50	3.85	24.345	0.0095	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	3.946	0.0015	-2.5 to 2.5	Pass
					3.85	0.023	0.0000	-2.5 to 2.5	Pass
					4.43	13.371	0.0052	-2.5 to 2.5	Pass
				-30	3.85	0.498	0.0002	-2.5 to 2.5	Pass
				-20	3.85	14.189	0.0055	-2.5 to 2.5	Pass
				-10	3.85	11.212	0.0043	-2.5 to 2.5	Pass
				0	3.85	13.829	0.0053	-2.5 to 2.5	Pass
				10	3.85	-0.082	0.0000	-2.5 to 2.5	Pass
				30	3.85	4.754	0.0018	-2.5 to 2.5	Pass
	40	3.85	-3.175	-0.0012	-2.5 to 2.5	Pass			
	50	3.85	-5.664	-0.0022	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	-8.113	-0.0031	-2.5 to 2.5	Pass
					3.85	10.998	0.0042	-2.5 to 2.5	Pass
					4.43	-1.205	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	3.172	0.0012	-2.5 to 2.5	Pass
				-20	3.85	21.648	0.0083	-2.5 to 2.5	Pass
-10				3.85	-1.982	-0.0008	-2.5 to 2.5	Pass	
0				3.85	16.635	0.0064	-2.5 to 2.5	Pass	
10				3.85	-10.396	-0.0040	-2.5 to 2.5	Pass	
30				3.85	2.686	0.0010	-2.5 to 2.5	Pass	
40	3.85	-5.031	-0.0019	-2.5 to 2.5	Pass				
50	3.85	4.351	0.0017	-2.5 to 2.5	Pass				
16QAM	2572.5	25	0	20	3.27	12.382	0.0048	-2.5 to 2.5	Pass
					3.85	19.333	0.0075	-2.5 to 2.5	Pass
					4.43	32.209	0.0125	-2.5 to 2.5	Pass
				-30	3.85	18.346	0.0071	-2.5 to 2.5	Pass
				-20	3.85	18.374	0.0071	-2.5 to 2.5	Pass
				-10	3.85	43.623	0.0170	-2.5 to 2.5	Pass
				0	3.85	51.155	0.0199	-2.5 to 2.5	Pass
				10	3.85	-2.307	-0.0009	-2.5 to 2.5	Pass
				30	3.85	6.448	0.0025	-2.5 to 2.5	Pass
40	3.85	10.348	0.0040	-2.5 to 2.5	Pass				

	2595	25	0	50	3.85	14.949	0.0058	-2.5 to 2.5	Pass
				20	3.27	6.490	0.0025	-2.5 to 2.5	Pass
					3.85	7.163	0.0028	-2.5 to 2.5	Pass
					4.43	6.367	0.0025	-2.5 to 2.5	Pass
					-30	3.85	-3.986	-0.0015	-2.5 to 2.5
				-20	3.85	-3.299	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	15.969	0.0062	-2.5 to 2.5	Pass
				0	3.85	20.941	0.0081	-2.5 to 2.5	Pass
				10	3.85	12.895	0.0050	-2.5 to 2.5	Pass
				30	3.85	28.246	0.0109	-2.5 to 2.5	Pass
	40	3.85	24.062	0.0093	-2.5 to 2.5	Pass			
	50	3.85	16.244	0.0063	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	-1.084	-0.0004	-2.5 to 2.5	Pass
					3.85	-6.736	-0.0026	-2.5 to 2.5	Pass
					4.43	-5.548	-0.0021	-2.5 to 2.5	Pass
					-30	3.85	-22.955	-0.0088	-2.5 to 2.5
				-20	3.85	-26.763	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-15.858	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-9.009	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.982	-0.0015	-2.5 to 2.5	Pass
30				3.85	-9.042	-0.0035	-2.5 to 2.5	Pass	
40				3.85	-4.857	-0.0019	-2.5 to 2.5	Pass	
50	3.85	-2.854	-0.0011	-2.5 to 2.5	Pass				

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	21.094	0.0082	-2.5 to 2.5	Pass
					3.85	37.147	0.0144	-2.5 to 2.5	Pass
					4.43	39.362	0.0153	-2.5 to 2.5	Pass
					-30	3.85	-0.556	-0.0002	-2.5 to 2.5
				-20	3.85	0.603	0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.649	0.0010	-2.5 to 2.5	Pass
				0	3.85	5.257	0.0020	-2.5 to 2.5	Pass
				10	3.85	3.490	0.0014	-2.5 to 2.5	Pass
				30	3.85	4.316	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.843	0.0015	-2.5 to 2.5	Pass
	50	3.85	-6.153	-0.0024	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	16.128	0.0062	-2.5 to 2.5	Pass
					3.85	32.560	0.0125	-2.5 to 2.5	Pass
					4.43	39.463	0.0152	-2.5 to 2.5	Pass
					-30	3.85	37.119	0.0143	-2.5 to 2.5
				-20	3.85	26.550	0.0102	-2.5 to 2.5	Pass
				-10	3.85	26.031	0.0100	-2.5 to 2.5	Pass
				0	3.85	21.099	0.0081	-2.5 to 2.5	Pass
				10	3.85	25.113	0.0097	-2.5 to 2.5	Pass
				30	3.85	19.958	0.0077	-2.5 to 2.5	Pass
				40	3.85	14.705	0.0057	-2.5 to 2.5	Pass
	50	3.85	-4.524	-0.0017	-2.5 to 2.5	Pass			
	2615	50	0	20	3.27	23.199	0.0089	-2.5 to 2.5	Pass
					3.85	22.712	0.0087	-2.5 to 2.5	Pass

					4.43	33.925	0.0130	-2.5 to 2.5	Pass
				-30	3.85	31.160	0.0119	-2.5 to 2.5	Pass
				-20	3.85	29.862	0.0114	-2.5 to 2.5	Pass
				-10	3.85	31.964	0.0122	-2.5 to 2.5	Pass
				0	3.85	16.445	0.0063	-2.5 to 2.5	Pass
				10	3.85	19.185	0.0073	-2.5 to 2.5	Pass
				30	3.85	9.184	0.0035	-2.5 to 2.5	Pass
				40	3.85	6.884	0.0026	-2.5 to 2.5	Pass
				50	3.85	11.867	0.0045	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	-0.645	-0.0003	-2.5 to 2.5	Pass
					3.85	-11.614	-0.0045	-2.5 to 2.5	Pass
					4.43	-9.317	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-4.647	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.062	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.178	-0.0016	-2.5 to 2.5	Pass
				0	3.85	9.179	0.0036	-2.5 to 2.5	Pass
				10	3.85	16.980	0.0066	-2.5 to 2.5	Pass
				30	3.85	5.045	0.0020	-2.5 to 2.5	Pass
				40	3.85	25.201	0.0098	-2.5 to 2.5	Pass
	50	3.85	16.385	0.0064	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	-3.531	-0.0014	-2.5 to 2.5	Pass
					3.85	0.053	0.0000	-2.5 to 2.5	Pass
					4.43	-1.030	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-9.053	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	0.523	0.0002	-2.5 to 2.5	Pass
				-10	3.85	5.553	0.0021	-2.5 to 2.5	Pass
				0	3.85	3.301	0.0013	-2.5 to 2.5	Pass
				10	3.85	8.979	0.0035	-2.5 to 2.5	Pass
				30	3.85	4.827	0.0019	-2.5 to 2.5	Pass
				40	3.85	1.594	0.0006	-2.5 to 2.5	Pass
	50	3.85	16.935	0.0065	-2.5 to 2.5	Pass			
	2615	50	0	20	3.27	-2.427	-0.0009	-2.5 to 2.5	Pass
					3.85	4.963	0.0019	-2.5 to 2.5	Pass
					4.43	-0.540	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.581	0.0010	-2.5 to 2.5	Pass
				-20	3.85	5.337	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.273	-0.0009	-2.5 to 2.5	Pass
				0	3.85	12.984	0.0050	-2.5 to 2.5	Pass
				10	3.85	4.502	0.0017	-2.5 to 2.5	Pass
30				3.85	16.570	0.0063	-2.5 to 2.5	Pass	
40				3.85	14.533	0.0056	-2.5 to 2.5	Pass	
50	3.85	26.085	0.0100	-2.5 to 2.5	Pass				

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2577.5	75	0	20	3.27	12.541	0.0049	-2.5 to 2.5	Pass	
					3.85	27.415	0.0106	-2.5 to 2.5	Pass	
					4.43	23.763	0.0092	-2.5 to 2.5	Pass	
					-30	3.85	38.189	0.0148	-2.5 to 2.5	Pass
					-20	3.85	34.402	0.0133	-2.5 to 2.5	Pass

				-10	3.85	29.469	0.0114	-2.5 to 2.5	Pass	
				0	3.85	27.407	0.0106	-2.5 to 2.5	Pass	
				10	3.85	32.587	0.0126	-2.5 to 2.5	Pass	
				30	3.85	43.206	0.0168	-2.5 to 2.5	Pass	
				40	3.85	39.075	0.0152	-2.5 to 2.5	Pass	
				50	3.85	28.784	0.0112	-2.5 to 2.5	Pass	
	2595	75	0	20	3.27	10.368	0.0040	-2.5 to 2.5	Pass	
					3.85	20.993	0.0081	-2.5 to 2.5	Pass	
					4.43	12.823	0.0049	-2.5 to 2.5	Pass	
				-30	3.85	21.071	0.0081	-2.5 to 2.5	Pass	
				-20	3.85	19.001	0.0073	-2.5 to 2.5	Pass	
				-10	3.85	0.613	0.0002	-2.5 to 2.5	Pass	
				0	3.85	8.964	0.0035	-2.5 to 2.5	Pass	
				10	3.85	8.050	0.0031	-2.5 to 2.5	Pass	
				30	3.85	-0.042	0.0000	-2.5 to 2.5	Pass	
				40	3.85	-11.396	-0.0044	-2.5 to 2.5	Pass	
				50	3.85	-15.868	-0.0061	-2.5 to 2.5	Pass	
				2612.5	75	0	20	3.27	10.506	0.0040
	3.85	18.234	0.0070					-2.5 to 2.5	Pass	
	4.43	28.987	0.0111					-2.5 to 2.5	Pass	
	-30	3.85	22.271				0.0085	-2.5 to 2.5	Pass	
	-20	3.85	20.641				0.0079	-2.5 to 2.5	Pass	
	-10	3.85	17.067				0.0065	-2.5 to 2.5	Pass	
	0	3.85	11.559				0.0044	-2.5 to 2.5	Pass	
	10	3.85	19.519				0.0075	-2.5 to 2.5	Pass	
	30	3.85	12.749				0.0049	-2.5 to 2.5	Pass	
	40	3.85	5.304				0.0020	-2.5 to 2.5	Pass	
	50	3.85	5.162				0.0020	-2.5 to 2.5	Pass	
	16QAM	2577.5	75				0	20	3.27	37.921
				3.85	26.421	0.0103			-2.5 to 2.5	Pass
4.43				36.169	0.0140	-2.5 to 2.5			Pass	
-30				3.85	41.528	0.0161		-2.5 to 2.5	Pass	
-20				3.85	47.576	0.0185		-2.5 to 2.5	Pass	
-10				3.85	-11.761	-0.0046		-2.5 to 2.5	Pass	
0				3.85	-15.697	-0.0061		-2.5 to 2.5	Pass	
10				3.85	-18.623	-0.0072		-2.5 to 2.5	Pass	
30				3.85	-0.527	-0.0002		-2.5 to 2.5	Pass	
40				3.85	2.151	0.0008		-2.5 to 2.5	Pass	
50				3.85	6.348	0.0025		-2.5 to 2.5	Pass	
2595				75	0	20		3.27	-9.614	-0.0037
		3.85	-23.918				-0.0092	-2.5 to 2.5	Pass	
		4.43	-14.108				-0.0054	-2.5 to 2.5	Pass	
		-30	3.85			-9.573	-0.0037	-2.5 to 2.5	Pass	
		-20	3.85			-30.342	-0.0117	-2.5 to 2.5	Pass	
		-10	3.85			-32.304	-0.0124	-2.5 to 2.5	Pass	
		0	3.85			-15.874	-0.0061	-2.5 to 2.5	Pass	
		10	3.85			-31.018	-0.0120	-2.5 to 2.5	Pass	
		30	3.85			-13.320	-0.0051	-2.5 to 2.5	Pass	
		40	3.85			-13.689	-0.0053	-2.5 to 2.5	Pass	
		50	3.85			-21.581	-0.0083	-2.5 to 2.5	Pass	
		2612.5	75			0	20	3.27	-4.791	-0.0018
3.85				-10.458	-0.0040			-2.5 to 2.5	Pass	
4.43				-7.761	-0.0030			-2.5 to 2.5	Pass	
-30				3.85	-16.526		-0.0063	-2.5 to 2.5	Pass	
-20				3.85	-11.792		-0.0045	-2.5 to 2.5	Pass	
-10				3.85	-0.186		-0.0001	-2.5 to 2.5	Pass	
0		3.85	-5.075	-0.0019	-2.5 to 2.5	Pass				

				10	3.85	5.631	0.0022	-2.5 to 2.5	Pass
				30	3.85	3.331	0.0013	-2.5 to 2.5	Pass
				40	3.85	5.873	0.0022	-2.5 to 2.5	Pass
				50	3.85	10.491	0.0040	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	48.823	0.0189	-2.5 to 2.5	Pass
					3.85	26.799	0.0104	-2.5 to 2.5	Pass
					4.43	35.316	0.0137	-2.5 to 2.5	Pass
				-30	3.85	40.592	0.0157	-2.5 to 2.5	Pass
				-20	3.85	36.509	0.0142	-2.5 to 2.5	Pass
				-10	3.85	38.078	0.0148	-2.5 to 2.5	Pass
				0	3.85	35.639	0.0138	-2.5 to 2.5	Pass
				10	3.85	20.192	0.0078	-2.5 to 2.5	Pass
				30	3.85	24.120	0.0093	-2.5 to 2.5	Pass
				40	3.85	23.363	0.0091	-2.5 to 2.5	Pass
	50	3.85	28.206	0.0109	-2.5 to 2.5	Pass			
	2595	100	0	20	3.27	4.496	0.0017	-2.5 to 2.5	Pass
					3.85	11.352	0.0044	-2.5 to 2.5	Pass
					4.43	13.961	0.0054	-2.5 to 2.5	Pass
				-30	3.85	9.232	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-3.955	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.597	0.0014	-2.5 to 2.5	Pass
				0	3.85	-7.261	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-9.162	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-22.595	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-14.589	-0.0056	-2.5 to 2.5	Pass
	50	3.85	-26.833	-0.0103	-2.5 to 2.5	Pass			
	2610	100	0	20	3.27	-0.301	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.184	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.986	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	8.738	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.576	0.0018	-2.5 to 2.5	Pass
				0	3.85	-7.536	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-16.150	-0.0062	-2.5 to 2.5	Pass
30				3.85	-6.777	-0.0026	-2.5 to 2.5	Pass	
40				3.85	-22.602	-0.0087	-2.5 to 2.5	Pass	
50	3.85	-30.532	-0.0117	-2.5 to 2.5	Pass				
16QAM	2580	100	0	20	3.27	17.355	0.0067	-2.5 to 2.5	Pass
					3.85	19.630	0.0076	-2.5 to 2.5	Pass
					4.43	13.122	0.0051	-2.5 to 2.5	Pass
				-30	3.85	26.216	0.0102	-2.5 to 2.5	Pass
				-20	3.85	22.442	0.0087	-2.5 to 2.5	Pass
				-10	3.85	23.877	0.0093	-2.5 to 2.5	Pass
				0	3.85	20.131	0.0078	-2.5 to 2.5	Pass
				10	3.85	19.877	0.0077	-2.5 to 2.5	Pass
				30	3.85	26.291	0.0102	-2.5 to 2.5	Pass
40	3.85	24.242	0.0094	-2.5 to 2.5	Pass				

	2595	100	0	50	3.85	37.817	0.0147	-2.5 to 2.5	Pass
				20	3.27	-35.040	-0.0135	-2.5 to 2.5	Pass
					3.85	-38.583	-0.0149	-2.5 to 2.5	Pass
					4.43	-30.075	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-29.843	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-30.688	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-32.812	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-25.826	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-34.007	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-33.422	-0.0129	-2.5 to 2.5	Pass
	40	3.85	-30.844	-0.0119	-2.5 to 2.5	Pass			
	50	3.85	-25.300	-0.0097	-2.5 to 2.5	Pass			
	2610	100	0	20	3.27	-30.075	-0.0115	-2.5 to 2.5	Pass
					3.85	-22.947	-0.0088	-2.5 to 2.5	Pass
					4.43	-22.435	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-26.035	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-31.972	-0.0122	-2.5 to 2.5	Pass
				-10	3.85	-26.960	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-20.151	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-27.840	-0.0107	-2.5 to 2.5	Pass
30				3.85	-28.860	-0.0111	-2.5 to 2.5	Pass	
40				3.85	-23.723	-0.0091	-2.5 to 2.5	Pass	
50	3.85	-22.735	-0.0087	-2.5 to 2.5	Pass				

3. Frequency Stability

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-15.251	-0.0089	-2.5 to 2.5	Pass
					3.85	-39.887	-0.0233	-2.5 to 2.5	Pass
					4.43	-27.412	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-2.779	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-21.169	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-34.882	-0.0204	-2.5 to 2.5	Pass
				0	3.85	-15.956	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-30.880	-0.0181	-2.5 to 2.5	Pass
				30	3.85	-40.168	-0.0235	-2.5 to 2.5	Pass
				40	3.85	-43.830	-0.0256	-2.5 to 2.5	Pass
	50	3.85	-5.147	-0.0030	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	-11.126	-0.0064	-2.5 to 2.5	Pass
					3.85	-29.821	-0.0172	-2.5 to 2.5	Pass
					4.43	-14.006	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-23.540	-0.0136	-2.5 to 2.5	Pass
				-20	3.85	-27.233	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-8.382	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-21.277	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-26.699	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-21.767	-0.0126	-2.5 to 2.5	Pass
40				3.85	-12.712	-0.0073	-2.5 to 2.5	Pass	

	1754.3	6	0	50	3.85	-3.493	-0.0020	-2.5 to 2.5	Pass
				20	3.27	-17.479	-0.0100	-2.5 to 2.5	Pass
					3.85	-20.798	-0.0119	-2.5 to 2.5	Pass
					4.43	-20.921	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-35.782	-0.0204	-2.5 to 2.5	Pass
				-20	3.85	-18.037	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-4.199	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-17.311	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-31.545	-0.0180	-2.5 to 2.5	Pass
				30	3.85	-24.862	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-11.813	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-14.927	-0.0085	-2.5 to 2.5	Pass
				16QAM	1710.7	6	0	20	3.27
3.85	-9.191	-0.0054	-2.5 to 2.5						Pass
4.43	-0.571	-0.0003	-2.5 to 2.5						Pass
-30	3.85	-1.735	-0.0010					-2.5 to 2.5	Pass
-20	3.85	5.805	0.0034					-2.5 to 2.5	Pass
-10	3.85	4.696	0.0027					-2.5 to 2.5	Pass
0	3.85	9.294	0.0054					-2.5 to 2.5	Pass
10	3.85	12.375	0.0072					-2.5 to 2.5	Pass
30	3.85	16.137	0.0094					-2.5 to 2.5	Pass
40	3.85	19.268	0.0113					-2.5 to 2.5	Pass
50	3.85	22.570	0.0132					-2.5 to 2.5	Pass
1732.5	6	0	20					3.27	-41.852
					3.85	-17.751	-0.0102	-2.5 to 2.5	Pass
					4.43	4.750	0.0027	-2.5 to 2.5	Pass
			-30		3.85	-12.575	-0.0073	-2.5 to 2.5	Pass
			-20		3.85	1.631	0.0009	-2.5 to 2.5	Pass
			-10		3.85	-8.516	-0.0049	-2.5 to 2.5	Pass
			0		3.85	-16.479	-0.0095	-2.5 to 2.5	Pass
			10		3.85	-43.409	-0.0251	-2.5 to 2.5	Pass
			30		3.85	-23.815	-0.0137	-2.5 to 2.5	Pass
			40		3.85	-7.901	-0.0046	-2.5 to 2.5	Pass
			50		3.85	-35.023	-0.0202	-2.5 to 2.5	Pass
			1754.3		6	0	20	3.27	-35.008
3.85	3.067	0.0017						-2.5 to 2.5	Pass
4.43	-9.123	-0.0052						-2.5 to 2.5	Pass
-30	3.85	-18.174					-0.0104	-2.5 to 2.5	Pass
-20	3.85	-14.460					-0.0082	-2.5 to 2.5	Pass
-10	3.85	-15.738		-0.0090			-2.5 to 2.5	Pass	
0	3.85	-17.548		-0.0100			-2.5 to 2.5	Pass	
10	3.85	-1.293		-0.0007			-2.5 to 2.5	Pass	
30	3.85	-30.829		-0.0176			-2.5 to 2.5	Pass	
40	3.85	-33.162		-0.0189			-2.5 to 2.5	Pass	
50	3.85	-16.037		-0.0091			-2.5 to 2.5	Pass	

3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	29.231	0.0171	-2.5 to 2.5	Pass
					3.85	-1.605	-0.0009	-2.5 to 2.5	Pass

					4.43	-18.095	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-35.011	-0.0205	-2.5 to 2.5	Pass
				-20	3.85	-39.224	-0.0229	-2.5 to 2.5	Pass
				-10	3.85	-15.374	-0.0090	-2.5 to 2.5	Pass
				0	3.85	5.050	0.0030	-2.5 to 2.5	Pass
				10	3.85	-36.712	-0.0215	-2.5 to 2.5	Pass
				30	3.85	-37.381	-0.0218	-2.5 to 2.5	Pass
				40	3.85	-15.787	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-7.646	-0.0045	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	7.981	0.0046	-2.5 to 2.5	Pass
					3.85	-7.777	-0.0045	-2.5 to 2.5	Pass
					4.43	-17.282	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-2.145	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-15.460	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-1.994	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-36.504	-0.0211	-2.5 to 2.5	Pass
				10	3.85	-22.472	-0.0130	-2.5 to 2.5	Pass
				30	3.85	14.516	0.0084	-2.5 to 2.5	Pass
	40	3.85	-42.005	-0.0242	-2.5 to 2.5	Pass			
	50	3.85	-18.128	-0.0105	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	14.396	0.0082	-2.5 to 2.5	Pass
					3.85	32.484	0.0185	-2.5 to 2.5	Pass
					4.43	35.459	0.0202	-2.5 to 2.5	Pass
				-30	3.85	13.404	0.0076	-2.5 to 2.5	Pass
				-20	3.85	-15.972	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	2.165	0.0012	-2.5 to 2.5	Pass
				0	3.85	18.374	0.0105	-2.5 to 2.5	Pass
				10	3.85	34.238	0.0195	-2.5 to 2.5	Pass
				30	3.85	10.855	0.0062	-2.5 to 2.5	Pass
	40	3.85	18.016	0.0103	-2.5 to 2.5	Pass			
50	3.85	31.576	0.0180	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.27	-9.884	-0.0058	-2.5 to 2.5	Pass
					3.85	-34.310	-0.0200	-2.5 to 2.5	Pass
					4.43	-12.151	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-31.103	-0.0182	-2.5 to 2.5	Pass
				-20	3.85	-14.416	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-33.471	-0.0196	-2.5 to 2.5	Pass
				0	3.85	0.208	0.0001	-2.5 to 2.5	Pass
				10	3.85	-15.489	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-32.973	-0.0193	-2.5 to 2.5	Pass
	40	3.85	-9.597	-0.0056	-2.5 to 2.5	Pass			
	50	3.85	-29.251	-0.0171	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	-32.387	-0.0187	-2.5 to 2.5	Pass
					3.85	-16.930	-0.0098	-2.5 to 2.5	Pass
					4.43	-11.029	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-38.476	-0.0222	-2.5 to 2.5	Pass
				-20	3.85	-12.018	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-0.942	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-25.658	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-13.130	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-35.507	-0.0205	-2.5 to 2.5	Pass
	40	3.85	-18.219	-0.0105	-2.5 to 2.5	Pass			
	50	3.85	-34.721	-0.0200	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	0.356	0.0002	-2.5 to 2.5	Pass
					3.85	19.474	0.0111	-2.5 to 2.5	Pass
					4.43	35.989	0.0205	-2.5 to 2.5	Pass
	-30	3.85	9.517	0.0054	-2.5 to 2.5	Pass			

				-20	3.85	26.515	0.0151	-2.5 to 2.5	Pass
				-10	3.85	33.222	0.0189	-2.5 to 2.5	Pass
				0	3.85	8.092	0.0046	-2.5 to 2.5	Pass
				10	3.85	14.405	0.0082	-2.5 to 2.5	Pass
				30	3.85	21.780	0.0124	-2.5 to 2.5	Pass
				40	3.85	30.032	0.0171	-2.5 to 2.5	Pass
				50	3.85	33.884	0.0193	-2.5 to 2.5	Pass

3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1712.5	25	0	20	3.27	13.541	0.0079	-2.5 to 2.5	Pass	
					3.85	11.723	0.0068	-2.5 to 2.5	Pass	
					4.43	-6.305	-0.0037	-2.5 to 2.5	Pass	
				-30	3.85	-26.788	-0.0156	-2.5 to 2.5	Pass	
					-20	3.85	3.930	0.0023	-2.5 to 2.5	Pass
						3.85	-11.684	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-27.099	-0.0158	-2.5 to 2.5	Pass	
					10	3.85	-5.287	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-19.426	-0.0113	-2.5 to 2.5	Pass	
	40	3.85	-36.022		-0.0210	-2.5 to 2.5	Pass			
	50	3.85	-5.266	-0.0031	-2.5 to 2.5	Pass				
	1732.5	25	0	20	3.27	18.226	0.0105	-2.5 to 2.5	Pass	
					3.85	-21.472	-0.0124	-2.5 to 2.5	Pass	
					4.43	-37.519	-0.0217	-2.5 to 2.5	Pass	
				-30	3.85	-30.685	-0.0177	-2.5 to 2.5	Pass	
					-20	3.85	-20.450	-0.0118	-2.5 to 2.5	Pass
						3.85	-28.736	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-10.552	-0.0061	-2.5 to 2.5	Pass	
					10	3.85	-27.501	-0.0159	-2.5 to 2.5	Pass
				30	3.85	-28.941	-0.0167	-2.5 to 2.5	Pass	
	40	3.85	-38.562		-0.0223	-2.5 to 2.5	Pass			
	50	3.85	-40.983	-0.0237	-2.5 to 2.5	Pass				
	1752.5	25	0	20	3.27	6.865	0.0039	-2.5 to 2.5	Pass	
					3.85	30.725	0.0175	-2.5 to 2.5	Pass	
					4.43	13.184	0.0075	-2.5 to 2.5	Pass	
				-30	3.85	6.161	0.0035	-2.5 to 2.5	Pass	
					-20	3.85	30.816	0.0176	-2.5 to 2.5	Pass
3.85						19.371	0.0111	-2.5 to 2.5	Pass	
0				3.85	35.407	0.0202	-2.5 to 2.5	Pass		
				10	3.85	4.302	0.0025	-2.5 to 2.5	Pass	
30				3.85	20.287	0.0116	-2.5 to 2.5	Pass		
	40	3.85	38.569	0.0220	-2.5 to 2.5	Pass				
50	3.85	14.976	0.0085	-2.5 to 2.5	Pass					
16QAM	1712.5	25	0	20	3.27	-16.411	-0.0096	-2.5 to 2.5	Pass	
					3.85	-30.094	-0.0176	-2.5 to 2.5	Pass	
					4.43	-32.469	-0.0190	-2.5 to 2.5	Pass	
				-30	3.85	-37.907	-0.0221	-2.5 to 2.5	Pass	
					-20	3.85	-38.030	-0.0222	-2.5 to 2.5	Pass
				-10	3.85	-37.988	-0.0222	-2.5 to 2.5	Pass	
0	3.85	-38.334	-0.0224	-2.5 to 2.5	Pass					

	1732.5	25	0	10	3.85	-42.935	-0.0251	-2.5 to 2.5	Pass
				30	3.85	-42.969	-0.0251	-2.5 to 2.5	Pass
				40	3.85	-8.320	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-10.597	-0.0062	-2.5 to 2.5	Pass
				20	3.27	0.752	0.0004	-2.5 to 2.5	Pass
					3.85	-15.285	-0.0088	-2.5 to 2.5	Pass
					4.43	-34.423	-0.0199	-2.5 to 2.5	Pass
				-30	3.85	-10.035	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-27.573	-0.0159	-2.5 to 2.5	Pass
				-10	3.85	-7.557	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-20.016	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-5.791	-0.0033	-2.5 to 2.5	Pass
	30	3.85	-22.007	-0.0127	-2.5 to 2.5	Pass			
	40	3.85	-39.895	-0.0230	-2.5 to 2.5	Pass			
	50	3.85	-18.329	-0.0106	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	21.141	0.0121	-2.5 to 2.5	Pass
					3.85	39.210	0.0224	-2.5 to 2.5	Pass
					4.43	21.196	0.0121	-2.5 to 2.5	Pass
				-30	3.85	35.361	0.0202	-2.5 to 2.5	Pass
				-20	3.85	13.562	0.0077	-2.5 to 2.5	Pass
				-10	3.85	26.896	0.0153	-2.5 to 2.5	Pass
				0	3.85	1.690	0.0010	-2.5 to 2.5	Pass
				10	3.85	13.775	0.0079	-2.5 to 2.5	Pass
				30	3.85	25.464	0.0145	-2.5 to 2.5	Pass
40				3.85	31.630	0.0180	-2.5 to 2.5	Pass	
50				3.85	37.640	0.0215	-2.5 to 2.5	Pass	

3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	18.832	0.0110	-2.5 to 2.5	Pass
					3.85	19.852	0.0116	-2.5 to 2.5	Pass
					4.43	10.994	0.0064	-2.5 to 2.5	Pass
				-30	3.85	-9.247	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-23.470	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-32.785	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-9.125	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-19.012	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-29.098	-0.0170	-2.5 to 2.5	Pass
				40	3.85	0.214	0.0001	-2.5 to 2.5	Pass
				50	3.85	-7.495	-0.0044	-2.5 to 2.5	Pass
				1732.5	50	0	20	3.27	25.036
	3.85	-12.631	-0.0073					-2.5 to 2.5	Pass
	4.43	-41.385	-0.0239					-2.5 to 2.5	Pass
	-30	3.85	-17.086				-0.0099	-2.5 to 2.5	Pass
	-20	3.85	-12.101				-0.0070	-2.5 to 2.5	Pass
	-10	3.85	-13.993				-0.0081	-2.5 to 2.5	Pass
	0	3.85	-11.559				-0.0067	-2.5 to 2.5	Pass
	10	3.85	-23.990				-0.0138	-2.5 to 2.5	Pass
	30	3.85	-27.493				-0.0159	-2.5 to 2.5	Pass
	40	3.85	-20.434				-0.0118	-2.5 to 2.5	Pass

	1750	50	0	50	3.85	-8.365	-0.0048	-2.5 to 2.5	Pass
				20	3.27	9.566	0.0055	-2.5 to 2.5	Pass
					3.85	26.617	0.0152	-2.5 to 2.5	Pass
					4.43	-2.170	-0.0012	-2.5 to 2.5	Pass
					-30	3.85	21.107	0.0121	-2.5 to 2.5
				-20	3.85	37.397	0.0214	-2.5 to 2.5	Pass
				-10	3.85	19.858	0.0113	-2.5 to 2.5	Pass
				0	3.85	36.275	0.0207	-2.5 to 2.5	Pass
				10	3.85	9.236	0.0053	-2.5 to 2.5	Pass
				30	3.85	28.722	0.0164	-2.5 to 2.5	Pass
40	3.85	-1.623	-0.0009	-2.5 to 2.5	Pass				
50	3.85	14.592	0.0083	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.27	-13.550	-0.0079	-2.5 to 2.5	Pass
					3.85	-18.004	-0.0105	-2.5 to 2.5	Pass
					4.43	-17.266	-0.0101	-2.5 to 2.5	Pass
					-30	3.85	-17.834	-0.0104	-2.5 to 2.5
				-20	3.85	-22.214	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-17.823	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-19.659	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-16.552	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-18.686	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-16.695	-0.0097	-2.5 to 2.5	Pass
	50	3.85	-16.219	-0.0095	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-4.985	-0.0029	-2.5 to 2.5	Pass
					3.85	-33.966	-0.0196	-2.5 to 2.5	Pass
					4.43	-6.733	-0.0039	-2.5 to 2.5	Pass
					-30	3.85	-25.361	-0.0146	-2.5 to 2.5
				-20	3.85	-39.193	-0.0226	-2.5 to 2.5	Pass
				-10	3.85	-14.362	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-28.929	-0.0167	-2.5 to 2.5	Pass
				10	3.85	-7.477	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-18.010	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-33.506	-0.0193	-2.5 to 2.5	Pass
	50	3.85	0.707	0.0004	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	24.124	0.0138	-2.5 to 2.5	Pass
					3.85	40.119	0.0229	-2.5 to 2.5	Pass
					4.43	31.144	0.0178	-2.5 to 2.5	Pass
					-30	3.85	-13.657	-0.0078	-2.5 to 2.5
				-20	3.85	2.825	0.0016	-2.5 to 2.5	Pass
				-10	3.85	15.696	0.0090	-2.5 to 2.5	Pass
0				3.85	25.630	0.0146	-2.5 to 2.5	Pass	
10				3.85	34.153	0.0195	-2.5 to 2.5	Pass	
30				3.85	6.537	0.0037	-2.5 to 2.5	Pass	
40				3.85	17.233	0.0098	-2.5 to 2.5	Pass	
50	3.85	23.647	0.0135	-2.5 to 2.5	Pass				

3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1717.5	75	0	20		3.27	16.735	0.0097	-2.5 to 2.5	Pass
						3.85	18.505	0.0108	-2.5 to 2.5	Pass

					4.43	2.654	0.0015	-2.5 to 2.5	Pass	
				-30	3.85	-10.370	-0.0060	-2.5 to 2.5	Pass	
				-20	3.85	-27.115	-0.0158	-2.5 to 2.5	Pass	
				-10	3.85	-39.032	-0.0227	-2.5 to 2.5	Pass	
				0	3.85	0.401	0.0002	-2.5 to 2.5	Pass	
				10	3.85	-11.030	-0.0064	-2.5 to 2.5	Pass	
				30	3.85	-23.293	-0.0136	-2.5 to 2.5	Pass	
				40	3.85	-29.085	-0.0169	-2.5 to 2.5	Pass	
				50	3.85	-0.439	-0.0003	-2.5 to 2.5	Pass	
	1732.5	75	0	20	3.27	22.876	0.0132	-2.5 to 2.5	Pass	
					3.85	-5.867	-0.0034	-2.5 to 2.5	Pass	
					4.43	-22.658	-0.0131	-2.5 to 2.5	Pass	
				-30	3.85	-37.863	-0.0219	-2.5 to 2.5	Pass	
				-20	3.85	-14.917	-0.0086	-2.5 to 2.5	Pass	
				-10	3.85	-21.953	-0.0127	-2.5 to 2.5	Pass	
				0	3.85	-21.418	-0.0124	-2.5 to 2.5	Pass	
				10	3.85	-2.923	-0.0017	-2.5 to 2.5	Pass	
				30	3.85	-36.288	-0.0209	-2.5 to 2.5	Pass	
	40	3.85	-31.179	-0.0180	-2.5 to 2.5	Pass				
	50	3.85	-30.660	-0.0177	-2.5 to 2.5	Pass				
	1747.5	75	0	20	3.27	14.412	0.0082	-2.5 to 2.5	Pass	
					3.85	32.110	0.0184	-2.5 to 2.5	Pass	
					4.43	10.776	0.0062	-2.5 to 2.5	Pass	
				-30	3.85	22.450	0.0128	-2.5 to 2.5	Pass	
				-20	3.85	32.022	0.0183	-2.5 to 2.5	Pass	
				-10	3.85	-7.126	-0.0041	-2.5 to 2.5	Pass	
				0	3.85	7.617	0.0044	-2.5 to 2.5	Pass	
				10	3.85	17.734	0.0101	-2.5 to 2.5	Pass	
				30	3.85	26.197	0.0150	-2.5 to 2.5	Pass	
	40	3.85	-4.888	-0.0028	-2.5 to 2.5	Pass				
	50	3.85	0.933	0.0005	-2.5 to 2.5	Pass				
	16QAM	1717.5	75	0	20	3.27	-10.472	-0.0061	-2.5 to 2.5	Pass
						3.85	-8.810	-0.0051	-2.5 to 2.5	Pass
4.43						-9.990	-0.0058	-2.5 to 2.5	Pass	
-30					3.85	-7.655	-0.0045	-2.5 to 2.5	Pass	
-20					3.85	-16.472	-0.0096	-2.5 to 2.5	Pass	
-10					3.85	-12.651	-0.0074	-2.5 to 2.5	Pass	
0					3.85	-7.353	-0.0043	-2.5 to 2.5	Pass	
10					3.85	-7.109	-0.0041	-2.5 to 2.5	Pass	
30					3.85	-10.914	-0.0064	-2.5 to 2.5	Pass	
40		3.85	-7.845	-0.0046	-2.5 to 2.5	Pass				
50		3.85	-8.315	-0.0048	-2.5 to 2.5	Pass				
1732.5		75	0	20	3.27	-21.244	-0.0123	-2.5 to 2.5	Pass	
					3.85	0.013	0.0000	-2.5 to 2.5	Pass	
					4.43	-14.959	-0.0086	-2.5 to 2.5	Pass	
				-30	3.85	-24.347	-0.0141	-2.5 to 2.5	Pass	
				-20	3.85	-31.983	-0.0185	-2.5 to 2.5	Pass	
				-10	3.85	-38.770	-0.0224	-2.5 to 2.5	Pass	
				0	3.85	-2.753	-0.0016	-2.5 to 2.5	Pass	
				10	3.85	-11.947	-0.0069	-2.5 to 2.5	Pass	
				30	3.85	-21.765	-0.0126	-2.5 to 2.5	Pass	
40		3.85	-30.816	-0.0178	-2.5 to 2.5	Pass				
50		3.85	-43.264	-0.0250	-2.5 to 2.5	Pass				
1747.5		75	0	20	3.27	7.782	0.0045	-2.5 to 2.5	Pass	
					3.85	21.444	0.0123	-2.5 to 2.5	Pass	
					4.43	2.639	0.0015	-2.5 to 2.5	Pass	
				-30	3.85	16.407	0.0094	-2.5 to 2.5	Pass	

				-20	3.85	26.334	0.0151	-2.5 to 2.5	Pass
				-10	3.85	36.550	0.0209	-2.5 to 2.5	Pass
				0	3.85	12.099	0.0069	-2.5 to 2.5	Pass
				10	3.85	19.600	0.0112	-2.5 to 2.5	Pass
				30	3.85	26.285	0.0150	-2.5 to 2.5	Pass
				40	3.85	38.190	0.0219	-2.5 to 2.5	Pass
				50	3.85	6.292	0.0036	-2.5 to 2.5	Pass

3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1720	100	0	20	3.27	29.282	0.0170	-2.5 to 2.5	Pass	
					3.85	26.789	0.0156	-2.5 to 2.5	Pass	
					4.43	11.177	0.0065	-2.5 to 2.5	Pass	
				-30	3.85	-9.545	-0.0055	-2.5 to 2.5	Pass	
					-20	3.85	-25.755	-0.0150	-2.5 to 2.5	Pass
						3.85	-8.070	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-23.755	-0.0138	-2.5 to 2.5	Pass	
					10	3.85	-33.121	-0.0193	-2.5 to 2.5	Pass
				30	3.85	-35.413	-0.0206	-2.5 to 2.5	Pass	
	40	3.85	-19.883		-0.0116	-2.5 to 2.5	Pass			
	50	3.85	-31.125	-0.0181	-2.5 to 2.5	Pass				
	1732.5	100	0	20	3.27	20.540	0.0119	-2.5 to 2.5	Pass	
					3.85	-9.145	-0.0053	-2.5 to 2.5	Pass	
					4.43	5.063	0.0029	-2.5 to 2.5	Pass	
				-30	3.85	-33.813	-0.0195	-2.5 to 2.5	Pass	
					-20	3.85	-34.206	-0.0197	-2.5 to 2.5	Pass
						3.85	-8.279	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-42.087	-0.0243	-2.5 to 2.5	Pass	
					10	3.85	-23.635	-0.0136	-2.5 to 2.5	Pass
				30	3.85	5.631	0.0033	-2.5 to 2.5	Pass	
	40	3.85	-22.245		-0.0128	-2.5 to 2.5	Pass			
	50	3.85	-15.108	-0.0087	-2.5 to 2.5	Pass				
	1745	100	0	20	3.27	11.719	0.0067	-2.5 to 2.5	Pass	
					3.85	29.069	0.0167	-2.5 to 2.5	Pass	
					4.43	36.287	0.0208	-2.5 to 2.5	Pass	
				-30	3.85	12.290	0.0070	-2.5 to 2.5	Pass	
					-20	3.85	8.140	0.0047	-2.5 to 2.5	Pass
3.85						16.164	0.0093	-2.5 to 2.5	Pass	
0				3.85	21.551	0.0124	-2.5 to 2.5	Pass		
				10	3.85	23.916	0.0137	-2.5 to 2.5	Pass	
30				3.85	33.928	0.0194	-2.5 to 2.5	Pass		
	40	3.85	37.852	0.0217	-2.5 to 2.5	Pass				
50	3.85	42.424	0.0243	-2.5 to 2.5	Pass					
16QAM	1720	100	0	20	3.27	10.671	0.0062	-2.5 to 2.5	Pass	
					3.85	7.527	0.0044	-2.5 to 2.5	Pass	
					4.43	9.467	0.0055	-2.5 to 2.5	Pass	
				-30	3.85	15.360	0.0089	-2.5 to 2.5	Pass	
					-20	3.85	9.209	0.0054	-2.5 to 2.5	Pass
				-10	3.85	7.280	0.0042	-2.5 to 2.5	Pass	
0	3.85	13.232	0.0077	-2.5 to 2.5	Pass					

	1732.5	100	0	10	3.85	10.774	0.0063	-2.5 to 2.5	Pass
				30	3.85	11.869	0.0069	-2.5 to 2.5	Pass
				40	3.85	17.043	0.0099	-2.5 to 2.5	Pass
				50	3.85	12.175	0.0071	-2.5 to 2.5	Pass
				20	3.27	-38.436	-0.0222	-2.5 to 2.5	Pass
					3.85	-12.763	-0.0074	-2.5 to 2.5	Pass
					4.43	-14.165	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-20.836	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-19.450	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-28.410	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-27.709	-0.0160	-2.5 to 2.5	Pass
				10	3.85	-37.239	-0.0215	-2.5 to 2.5	Pass
	30	3.85	-5.356	-0.0031	-2.5 to 2.5	Pass			
	40	3.85	-10.799	-0.0062	-2.5 to 2.5	Pass			
	50	3.85	-15.177	-0.0088	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-5.331	-0.0031	-2.5 to 2.5	Pass
					3.85	6.043	0.0035	-2.5 to 2.5	Pass
					4.43	19.013	0.0109	-2.5 to 2.5	Pass
				-30	3.85	30.880	0.0177	-2.5 to 2.5	Pass
				-20	3.85	38.048	0.0218	-2.5 to 2.5	Pass
				-10	3.85	11.911	0.0068	-2.5 to 2.5	Pass
				0	3.85	18.410	0.0106	-2.5 to 2.5	Pass
				10	3.85	28.611	0.0164	-2.5 to 2.5	Pass
				30	3.85	36.657	0.0210	-2.5 to 2.5	Pass
40				3.85	6.289	0.0036	-2.5 to 2.5	Pass	
50				3.85	3.844	0.0022	-2.5 to 2.5	Pass	

4. Frequency Stability

4.1 B5_1.4MHz

4.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-3.747	-0.0045	-2.5 to 2.5	Pass
					3.85	-18.341	-0.0222	-2.5 to 2.5	Pass
					4.43	-26.506	-0.0321	-2.5 to 2.5	Pass
				-30	3.85	-30.405	-0.0369	-2.5 to 2.5	Pass
				-20	3.85	-30.046	-0.0364	-2.5 to 2.5	Pass
				-10	3.85	-28.750	-0.0349	-2.5 to 2.5	Pass
				0	3.85	-19.757	-0.0240	-2.5 to 2.5	Pass
				10	3.85	-9.612	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-42.611	-0.0517	-2.5 to 2.5	Pass
				40	3.85	-23.618	-0.0286	-2.5 to 2.5	Pass
				50	3.85	-48.670	-0.0590	-2.5 to 2.5	Pass
				836.5	6	0	20	3.27	1.607
	3.85	-1.349	-0.0016					-2.5 to 2.5	Pass
	4.43	-10.949	-0.0131					-2.5 to 2.5	Pass
	-30	3.85	-16.695				-0.0200	-2.5 to 2.5	Pass
	-20	3.85	-22.677				-0.0271	-2.5 to 2.5	Pass
	-10	3.85	-30.686				-0.0367	-2.5 to 2.5	Pass
	0	3.85	-36.845	-0.0440	-2.5 to 2.5	Pass			

				10	3.85	-44.453	-0.0531	-2.5 to 2.5	Pass			
				30	3.85	-7.015	-0.0084	-2.5 to 2.5	Pass			
				40	3.85	-15.159	-0.0181	-2.5 to 2.5	Pass			
				50	3.85	-20.783	-0.0248	-2.5 to 2.5	Pass			
				20	3.27	11.629	0.0137	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.85	8.131	0.0096	-2.5 to 2.5	Pass			
				4.43	-3.578	-0.0042	-2.5 to 2.5	Pass				
				-30	3.85	-14.035	-0.0165	-2.5 to 2.5	Pass			
				-20	3.85	-25.226	-0.0297	-2.5 to 2.5	Pass			
				-10	3.85	-37.557	-0.0443	-2.5 to 2.5	Pass			
				0	3.85	-44.637	-0.0526	-2.5 to 2.5	Pass			
				10	3.85	-4.410	-0.0052	-2.5 to 2.5	Pass			
				30	3.85	-12.362	-0.0146	-2.5 to 2.5	Pass			
				40	3.85	-18.203	-0.0215	-2.5 to 2.5	Pass			
				50	3.85	-26.092	-0.0308	-2.5 to 2.5	Pass			
16QAM	824.7	6	0	20	3.27	-26.384	-0.0320	-2.5 to 2.5	Pass			
				20	3.85	1.473	0.0018	-2.5 to 2.5	Pass			
				4.43	-14.582	-0.0177	-2.5 to 2.5	Pass				
				-30	3.85	-27.593	-0.0335	-2.5 to 2.5	Pass			
				-20	3.85	-43.418	-0.0526	-2.5 to 2.5	Pass			
				-10	3.85	-10.666	-0.0129	-2.5 to 2.5	Pass			
				0	3.85	-22.488	-0.0273	-2.5 to 2.5	Pass			
				10	3.85	-33.191	-0.0402	-2.5 to 2.5	Pass			
				30	3.85	-43.963	-0.0533	-2.5 to 2.5	Pass			
				40	3.85	-9.666	-0.0117	-2.5 to 2.5	Pass			
				50	3.85	-18.169	-0.0220	-2.5 to 2.5	Pass			
				836.5	6	0	20	3.27	-25.103	-0.0300	-2.5 to 2.5	Pass
							20	3.85	-30.177	-0.0361	-2.5 to 2.5	Pass
							4.43	-29.189	-0.0349	-2.5 to 2.5	Pass	
							-30	3.85	-30.100	-0.0360	-2.5 to 2.5	Pass
	-20	3.85	-32.860				-0.0393	-2.5 to 2.5	Pass			
	-10	3.85	-33.380				-0.0399	-2.5 to 2.5	Pass			
	0	3.85	-35.711				-0.0427	-2.5 to 2.5	Pass			
	10	3.85	-37.555				-0.0449	-2.5 to 2.5	Pass			
	30	3.85	-38.238				-0.0457	-2.5 to 2.5	Pass			
	40	3.85	-39.665				-0.0474	-2.5 to 2.5	Pass			
	50	3.85	-39.294				-0.0470	-2.5 to 2.5	Pass			
	848.3	6	0				20	3.27	-34.260	-0.0404	-2.5 to 2.5	Pass
							20	3.85	-35.584	-0.0419	-2.5 to 2.5	Pass
							4.43	-38.262	-0.0451	-2.5 to 2.5	Pass	
							-30	3.85	-39.108	-0.0461	-2.5 to 2.5	Pass
				-20	3.85	-39.426	-0.0465	-2.5 to 2.5	Pass			
				-10	3.85	-40.596	-0.0479	-2.5 to 2.5	Pass			
				0	3.85	-42.761	-0.0504	-2.5 to 2.5	Pass			
				10	3.85	-44.908	-0.0529	-2.5 to 2.5	Pass			
30				3.85	-44.701	-0.0527	-2.5 to 2.5	Pass				
40				3.85	-46.975	-0.0554	-2.5 to 2.5	Pass				
50				3.85	-47.960	-0.0565	-2.5 to 2.5	Pass				

4.2 B5_3MHz

4.2.1 Test Result

Band: 5 / Bandwidth: 3MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	825.5	15	0	20	3.27	30.024	0.0364	-2.5 to 2.5	Pass
					3.85	26.192	0.0317	-2.5 to 2.5	Pass
					4.43	15.443	0.0187	-2.5 to 2.5	Pass
				-30	3.85	7.977	0.0097	-2.5 to 2.5	Pass
				-20	3.85	-0.802	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-9.325	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-16.633	-0.0201	-2.5 to 2.5	Pass
				10	3.85	-23.609	-0.0286	-2.5 to 2.5	Pass
				30	3.85	-32.742	-0.0397	-2.5 to 2.5	Pass
	40	3.85	-36.931	-0.0447	-2.5 to 2.5	Pass			
	50	3.85	-44.405	-0.0538	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	4.350	0.0052	-2.5 to 2.5	Pass
					3.85	9.152	0.0109	-2.5 to 2.5	Pass
					4.43	7.329	0.0088	-2.5 to 2.5	Pass
				-30	3.85	8.787	0.0105	-2.5 to 2.5	Pass
				-20	3.85	6.655	0.0080	-2.5 to 2.5	Pass
				-10	3.85	6.740	0.0081	-2.5 to 2.5	Pass
				0	3.85	7.837	0.0094	-2.5 to 2.5	Pass
				10	3.85	6.757	0.0081	-2.5 to 2.5	Pass
				30	3.85	5.918	0.0071	-2.5 to 2.5	Pass
	40	3.85	6.416	0.0077	-2.5 to 2.5	Pass			
	50	3.85	4.985	0.0060	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	8.860	0.0105	-2.5 to 2.5	Pass
					3.85	8.382	0.0099	-2.5 to 2.5	Pass
					4.43	-1.273	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-8.866	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-16.054	-0.0189	-2.5 to 2.5	Pass
-10				3.85	-23.761	-0.0280	-2.5 to 2.5	Pass	
0				3.85	-29.285	-0.0346	-2.5 to 2.5	Pass	
10				3.85	-36.673	-0.0433	-2.5 to 2.5	Pass	
30				3.85	-42.517	-0.0502	-2.5 to 2.5	Pass	
40	3.85	2.236	0.0026	-2.5 to 2.5	Pass				
50	3.85	-3.967	-0.0047	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	0.386	0.0005	-2.5 to 2.5	Pass
					3.85	-1.599	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.653	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.759	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.807	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-2.824	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.030	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.679	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.561	-0.0019	-2.5 to 2.5	Pass
	40	3.85	-1.694	-0.0021	-2.5 to 2.5	Pass			
	50	3.85	-4.721	-0.0057	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	5.207	0.0062	-2.5 to 2.5	Pass
					3.85	7.805	0.0093	-2.5 to 2.5	Pass
					4.43	8.569	0.0102	-2.5 to 2.5	Pass
				-30	3.85	14.560	0.0174	-2.5 to 2.5	Pass
				-20	3.85	18.282	0.0219	-2.5 to 2.5	Pass
				-10	3.85	15.486	0.0185	-2.5 to 2.5	Pass
				0	3.85	17.902	0.0214	-2.5 to 2.5	Pass
				10	3.85	20.704	0.0248	-2.5 to 2.5	Pass
				30	3.85	21.384	0.0256	-2.5 to 2.5	Pass
	40	3.85	24.509	0.0293	-2.5 to 2.5	Pass			
	50	3.85	25.830	0.0309	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-8.267	-0.0098	-2.5 to 2.5	Pass

					3.85	-9.779	-0.0115	-2.5 to 2.5	Pass
					4.43	-9.268	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-7.304	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-6.748	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-7.390	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-4.357	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-5.120	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-3.912	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-2.281	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-0.926	-0.0011	-2.5 to 2.5	Pass

4.3 B5_5MHz

4.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	24.792	0.0300	-2.5 to 2.5	Pass
					3.85	28.482	0.0345	-2.5 to 2.5	Pass
					4.43	20.568	0.0249	-2.5 to 2.5	Pass
				-30	3.85	14.437	0.0175	-2.5 to 2.5	Pass
				-20	3.85	3.313	0.0040	-2.5 to 2.5	Pass
				-10	3.85	-3.318	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-9.329	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-16.390	-0.0198	-2.5 to 2.5	Pass
				30	3.85	-28.394	-0.0344	-2.5 to 2.5	Pass
				40	3.85	-34.467	-0.0417	-2.5 to 2.5	Pass
	50	3.85	-37.372	-0.0452	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	9.189	0.0110	-2.5 to 2.5	Pass
					3.85	13.090	0.0156	-2.5 to 2.5	Pass
					4.43	15.235	0.0182	-2.5 to 2.5	Pass
				-30	3.85	15.064	0.0180	-2.5 to 2.5	Pass
				-20	3.85	14.785	0.0177	-2.5 to 2.5	Pass
				-10	3.85	14.634	0.0175	-2.5 to 2.5	Pass
				0	3.85	13.318	0.0159	-2.5 to 2.5	Pass
				10	3.85	14.388	0.0172	-2.5 to 2.5	Pass
				30	3.85	14.050	0.0168	-2.5 to 2.5	Pass
				40	3.85	13.490	0.0161	-2.5 to 2.5	Pass
	50	3.85	14.675	0.0175	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	12.983	0.0153	-2.5 to 2.5	Pass
					3.85	11.108	0.0131	-2.5 to 2.5	Pass
					4.43	1.903	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.140	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-12.175	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-17.660	-0.0209	-2.5 to 2.5	Pass
				0	3.85	-24.400	-0.0288	-2.5 to 2.5	Pass
				10	3.85	-30.341	-0.0358	-2.5 to 2.5	Pass
30				3.85	-33.619	-0.0397	-2.5 to 2.5	Pass	
40				3.85	-40.204	-0.0475	-2.5 to 2.5	Pass	
50	3.85	-39.317	-0.0464	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.27	-44.404	-0.0537	-2.5 to 2.5	Pass
					3.85	-44.303	-0.0536	-2.5 to 2.5	Pass
					4.43	-42.944	-0.0520	-2.5 to 2.5	Pass
				-30	3.85	-38.498	-0.0466	-2.5 to 2.5	Pass

				-20	3.85	-39.430	-0.0477	-2.5 to 2.5	Pass
				-10	3.85	-36.350	-0.0440	-2.5 to 2.5	Pass
				0	3.85	-36.147	-0.0437	-2.5 to 2.5	Pass
				10	3.85	-33.244	-0.0402	-2.5 to 2.5	Pass
				30	3.85	-33.716	-0.0408	-2.5 to 2.5	Pass
				40	3.85	-33.380	-0.0404	-2.5 to 2.5	Pass
				50	3.85	-30.566	-0.0370	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	15.911	0.0190	-2.5 to 2.5	Pass
					3.85	19.118	0.0229	-2.5 to 2.5	Pass
					4.43	23.572	0.0282	-2.5 to 2.5	Pass
				-30	3.85	29.387	0.0351	-2.5 to 2.5	Pass
				-20	3.85	34.178	0.0409	-2.5 to 2.5	Pass
				-10	3.85	39.795	0.0476	-2.5 to 2.5	Pass
				0	3.85	41.576	0.0497	-2.5 to 2.5	Pass
				10	3.85	43.810	0.0524	-2.5 to 2.5	Pass
				30	3.85	-0.452	-0.0005	-2.5 to 2.5	Pass
				40	3.85	3.255	0.0039	-2.5 to 2.5	Pass
				50	3.85	5.978	0.0071	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-5.832	-0.0069	-2.5 to 2.5	Pass
					3.85	-7.090	-0.0084	-2.5 to 2.5	Pass
					4.43	-3.839	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-2.898	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-1.940	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.003	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.933	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.991	0.0024	-2.5 to 2.5	Pass
				30	3.85	2.200	0.0026	-2.5 to 2.5	Pass
				40	3.85	1.678	0.0020	-2.5 to 2.5	Pass
50	3.85	2.115	0.0025	-2.5 to 2.5	Pass				

4.4 B5_10MHz

4.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	23.205	0.0280	-2.5 to 2.5	Pass
					3.85	27.025	0.0326	-2.5 to 2.5	Pass
					4.43	20.828	0.0251	-2.5 to 2.5	Pass
				-30	3.85	16.325	0.0197	-2.5 to 2.5	Pass
				-20	3.85	8.312	0.0100	-2.5 to 2.5	Pass
				-10	3.85	4.404	0.0053	-2.5 to 2.5	Pass
				0	3.85	-2.126	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.338	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-9.984	-0.0120	-2.5 to 2.5	Pass
	40	3.85	-14.936	-0.0180	-2.5 to 2.5	Pass			
	50	3.85	-16.901	-0.0204	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	10.880	0.0130	-2.5 to 2.5	Pass
					3.85	16.668	0.0199	-2.5 to 2.5	Pass
					4.43	12.776	0.0153	-2.5 to 2.5	Pass
				-30	3.85	13.654	0.0163	-2.5 to 2.5	Pass
				-20	3.85	13.061	0.0156	-2.5 to 2.5	Pass
				-10	3.85	11.724	0.0140	-2.5 to 2.5	Pass
				0	3.85	10.005	0.0120	-2.5 to 2.5	Pass

				10	3.85	9.083	0.0109	-2.5 to 2.5	Pass
				30	3.85	9.954	0.0119	-2.5 to 2.5	Pass
				40	3.85	6.295	0.0075	-2.5 to 2.5	Pass
				50	3.85	5.598	0.0067	-2.5 to 2.5	Pass
	844	50	0	20	3.27	10.385	0.0123	-2.5 to 2.5	Pass
					3.85	12.309	0.0146	-2.5 to 2.5	Pass
					4.43	9.466	0.0112	-2.5 to 2.5	Pass
				-30	3.85	4.185	0.0050	-2.5 to 2.5	Pass
				-20	3.85	-3.227	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-9.520	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-13.963	-0.0165	-2.5 to 2.5	Pass
				10	3.85	-18.863	-0.0223	-2.5 to 2.5	Pass
				30	3.85	-20.878	-0.0247	-2.5 to 2.5	Pass
40				3.85	-25.341	-0.0300	-2.5 to 2.5	Pass	
50				3.85	-26.038	-0.0309	-2.5 to 2.5	Pass	
16QAM				829	50	0	20	3.27	-21.159
	3.85	-21.244	-0.0256					-2.5 to 2.5	Pass
	4.43	-20.515	-0.0247					-2.5 to 2.5	Pass
	-30	3.85	-20.867				-0.0252	-2.5 to 2.5	Pass
	-20	3.85	-19.331				-0.0233	-2.5 to 2.5	Pass
	-10	3.85	-16.634				-0.0201	-2.5 to 2.5	Pass
	0	3.85	-16.257				-0.0196	-2.5 to 2.5	Pass
	10	3.85	-13.631				-0.0164	-2.5 to 2.5	Pass
	30	3.85	-11.977				-0.0144	-2.5 to 2.5	Pass
	40	3.85	-12.004				-0.0145	-2.5 to 2.5	Pass
	50	3.85	-9.292				-0.0112	-2.5 to 2.5	Pass
	836.5	50	0				20	3.27	4.248
				3.85	7.879	0.0094		-2.5 to 2.5	Pass
				4.43	12.401	0.0148		-2.5 to 2.5	Pass
				-30	3.85	16.299	0.0195	-2.5 to 2.5	Pass
				-20	3.85	20.756	0.0248	-2.5 to 2.5	Pass
				-10	3.85	23.351	0.0279	-2.5 to 2.5	Pass
				0	3.85	27.858	0.0333	-2.5 to 2.5	Pass
				10	3.85	30.606	0.0366	-2.5 to 2.5	Pass
				30	3.85	32.724	0.0391	-2.5 to 2.5	Pass
				40	3.85	36.520	0.0437	-2.5 to 2.5	Pass
				50	3.85	38.461	0.0460	-2.5 to 2.5	Pass
				844	50	0	20	3.27	-30.290
	3.85	-29.340	-0.0348					-2.5 to 2.5	Pass
	4.43	-26.347	-0.0312					-2.5 to 2.5	Pass
	-30	3.85	-25.673				-0.0304	-2.5 to 2.5	Pass
	-20	3.85	-23.621				-0.0280	-2.5 to 2.5	Pass
	-10	3.85	-22.632				-0.0268	-2.5 to 2.5	Pass
	0	3.85	-20.582				-0.0244	-2.5 to 2.5	Pass
	10	3.85	-18.682				-0.0221	-2.5 to 2.5	Pass
	30	3.85	-16.363				-0.0194	-2.5 to 2.5	Pass
	40	3.85	-15.958				-0.0189	-2.5 to 2.5	Pass
	50	3.85	-13.522				-0.0160	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B7_5MHz

5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	-2.129	-0.0009	-2.5 to 2.5	Pass
					3.85	8.421	0.0034	-2.5 to 2.5	Pass
					4.43	7.668	0.0031	-2.5 to 2.5	Pass
				-30	3.85	7.125	0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.447	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-9.647	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-25.254	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-33.135	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-0.588	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-12.338	-0.0049	-2.5 to 2.5	Pass
	50	3.85	-21.420	-0.0086	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	29.052	0.0115	-2.5 to 2.5	Pass
					3.85	31.078	0.0123	-2.5 to 2.5	Pass
					4.43	27.825	0.0110	-2.5 to 2.5	Pass
				-30	3.85	29.411	0.0116	-2.5 to 2.5	Pass
				-20	3.85	28.595	0.0113	-2.5 to 2.5	Pass
				-10	3.85	24.394	0.0096	-2.5 to 2.5	Pass
				0	3.85	17.165	0.0068	-2.5 to 2.5	Pass
				10	3.85	18.304	0.0072	-2.5 to 2.5	Pass
				30	3.85	5.774	0.0023	-2.5 to 2.5	Pass
				40	3.85	5.640	0.0022	-2.5 to 2.5	Pass
	50	3.85	-2.128	-0.0008	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.27	32.014	0.0125	-2.5 to 2.5	Pass
					3.85	38.305	0.0149	-2.5 to 2.5	Pass
					4.43	33.223	0.0129	-2.5 to 2.5	Pass
				-30	3.85	21.594	0.0084	-2.5 to 2.5	Pass
				-20	3.85	14.168	0.0055	-2.5 to 2.5	Pass
				-10	3.85	6.358	0.0025	-2.5 to 2.5	Pass
				0	3.85	-2.442	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-16.278	-0.0063	-2.5 to 2.5	Pass
30				3.85	-23.828	-0.0093	-2.5 to 2.5	Pass	
40				3.85	-38.279	-0.0149	-2.5 to 2.5	Pass	
50	3.85	-2.609	-0.0010	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.27	-36.124	-0.0144	-2.5 to 2.5	Pass
					3.85	-41.571	-0.0166	-2.5 to 2.5	Pass
					4.43	-9.781	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-15.690	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-19.651	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-25.391	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-22.074	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-26.573	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-29.512	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-36.743	-0.0147	-2.5 to 2.5	Pass
	50	3.85	-36.234	-0.0145	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	-8.458	-0.0033	-2.5 to 2.5	Pass
					3.85	-12.547	-0.0049	-2.5 to 2.5	Pass
					4.43	-8.133	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-13.046	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-12.454	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-6.665	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-6.288	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.631	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.382	-0.0013	-2.5 to 2.5	Pass
40				3.85	-2.126	-0.0008	-2.5 to 2.5	Pass	

				50	3.85	-10.589	-0.0042	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-10.225	-0.0040	-2.5 to 2.5	Pass
					3.85	-23.042	-0.0090	-2.5 to 2.5	Pass
					4.43	-24.718	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-33.533	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-38.075	-0.0148	-2.5 to 2.5	Pass
				-10	3.85	-42.500	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-41.827	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-45.150	-0.0176	-2.5 to 2.5	Pass
				30	3.85	-47.341	-0.0184	-2.5 to 2.5	Pass
				40	3.85	-9.404	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-11.115	-0.0043	-2.5 to 2.5	Pass

5.2 B7_10MHz

5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	22.161	0.0088	-2.5 to 2.5	Pass
					3.85	38.910	0.0155	-2.5 to 2.5	Pass
					4.43	42.272	0.0169	-2.5 to 2.5	Pass
				-30	3.85	35.154	0.0140	-2.5 to 2.5	Pass
				-20	3.85	32.425	0.0129	-2.5 to 2.5	Pass
				-10	3.85	26.130	0.0104	-2.5 to 2.5	Pass
				0	3.85	18.579	0.0074	-2.5 to 2.5	Pass
				10	3.85	11.235	0.0045	-2.5 to 2.5	Pass
				30	3.85	0.648	0.0003	-2.5 to 2.5	Pass
				40	3.85	-4.971	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-14.749	-0.0059	-2.5 to 2.5	Pass
				2535	50	0	20	3.27	32.776
	3.85	43.943	0.0173					-2.5 to 2.5	Pass
	4.43	44.913	0.0177					-2.5 to 2.5	Pass
	-30	3.85	-18.100				-0.0071	-2.5 to 2.5	Pass
	-20	3.85	-20.858				-0.0082	-2.5 to 2.5	Pass
	-10	3.85	-27.510				-0.0109	-2.5 to 2.5	Pass
	0	3.85	-30.541				-0.0120	-2.5 to 2.5	Pass
	10	3.85	-36.174				-0.0143	-2.5 to 2.5	Pass
	30	3.85	-37.468				-0.0148	-2.5 to 2.5	Pass
	40	3.85	-42.065				-0.0166	-2.5 to 2.5	Pass
	50	3.85	-47.975				-0.0189	-2.5 to 2.5	Pass
	2565	50	0				20	3.27	48.015
				3.85	-17.947	-0.0070		-2.5 to 2.5	Pass
				4.43	-17.994	-0.0070		-2.5 to 2.5	Pass
				-30	3.85	-19.928	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-25.606	-0.0100	-2.5 to 2.5	Pass
-10				3.85	-45.374	-0.0177	-2.5 to 2.5	Pass	
0				3.85	8.247	0.0032	-2.5 to 2.5	Pass	
10				3.85	2.300	0.0009	-2.5 to 2.5	Pass	
30				3.85	-4.819	-0.0019	-2.5 to 2.5	Pass	
40				3.85	-14.543	-0.0057	-2.5 to 2.5	Pass	
50				3.85	-22.737	-0.0089	-2.5 to 2.5	Pass	
16QAM				2505	50	0	20	3.27	-20.232
	3.85	-28.364	-0.0113					-2.5 to 2.5	Pass

					4.43	-37.087	-0.0148	-2.5 to 2.5	Pass			
				-30	3.85	-35.882	-0.0143	-2.5 to 2.5	Pass			
				-20	3.85	-43.049	-0.0172	-2.5 to 2.5	Pass			
				-10	3.85	-40.536	-0.0162	-2.5 to 2.5	Pass			
				0	3.85	-46.177	-0.0184	-2.5 to 2.5	Pass			
				10	3.85	-48.326	-0.0193	-2.5 to 2.5	Pass			
				30	3.85	-15.435	-0.0062	-2.5 to 2.5	Pass			
				40	3.85	-17.441	-0.0070	-2.5 to 2.5	Pass			
				50	3.85	-12.984	-0.0052	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	4.717	0.0019	-2.5 to 2.5	Pass			
								3.85	7.153	0.0028	-2.5 to 2.5	Pass
								4.43	5.699	0.0022	-2.5 to 2.5	Pass
							-30	3.85	6.340	0.0025	-2.5 to 2.5	Pass
							-20	3.85	8.529	0.0034	-2.5 to 2.5	Pass
							-10	3.85	9.846	0.0039	-2.5 to 2.5	Pass
							0	3.85	4.915	0.0019	-2.5 to 2.5	Pass
							10	3.85	10.383	0.0041	-2.5 to 2.5	Pass
							30	3.85	12.351	0.0049	-2.5 to 2.5	Pass
							40	3.85	14.123	0.0056	-2.5 to 2.5	Pass
				50	3.85	14.384	0.0057	-2.5 to 2.5	Pass			
	2565	50	0	20	3.27	-27.334	-0.0107	-2.5 to 2.5	Pass			
								3.85	-32.387	-0.0126	-2.5 to 2.5	Pass
								4.43	-35.935	-0.0140	-2.5 to 2.5	Pass
							-30	3.85	-39.879	-0.0155	-2.5 to 2.5	Pass
							-20	3.85	-37.890	-0.0148	-2.5 to 2.5	Pass
							-10	3.85	-41.035	-0.0160	-2.5 to 2.5	Pass
							0	3.85	-35.178	-0.0137	-2.5 to 2.5	Pass
							10	3.85	-36.577	-0.0143	-2.5 to 2.5	Pass
							30	3.85	-41.281	-0.0161	-2.5 to 2.5	Pass
							40	3.85	-37.008	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-37.701	-0.0147	-2.5 to 2.5	Pass			

5.3 B7_15MHz

5.3.1 Test Result

Band: 7 / Bandwidth: 15MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	2507.5	75	0	20	3.27	35.393	0.0141	-2.5 to 2.5	Pass			
								3.85	47.843	0.0191	-2.5 to 2.5	Pass
								4.43	10.935	0.0044	-2.5 to 2.5	Pass
							-30	3.85	7.324	0.0029	-2.5 to 2.5	Pass
							-20	3.85	3.922	0.0016	-2.5 to 2.5	Pass
							-10	3.85	-4.677	-0.0019	-2.5 to 2.5	Pass
							0	3.85	-7.808	-0.0031	-2.5 to 2.5	Pass
							10	3.85	-14.884	-0.0059	-2.5 to 2.5	Pass
							30	3.85	-24.652	-0.0098	-2.5 to 2.5	Pass
							40	3.85	-29.236	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-36.278	-0.0145	-2.5 to 2.5	Pass			
		2535	75	0	20	3.27	26.038	0.0103	-2.5 to 2.5	Pass		
								3.85	26.179	0.0103	-2.5 to 2.5	Pass
								4.43	21.542	0.0085	-2.5 to 2.5	Pass
							-30	3.85	23.617	0.0093	-2.5 to 2.5	Pass
					-20	3.85	19.603	0.0077	-2.5 to 2.5	Pass		

				-10	3.85	16.993	0.0067	-2.5 to 2.5	Pass				
				0	3.85	8.555	0.0034	-2.5 to 2.5	Pass				
				10	3.85	-0.785	-0.0003	-2.5 to 2.5	Pass				
				30	3.85	2.313	0.0009	-2.5 to 2.5	Pass				
				40	3.85	-2.074	-0.0008	-2.5 to 2.5	Pass				
				50	3.85	-5.763	-0.0023	-2.5 to 2.5	Pass				
	2562.5	75	0	20	3.27	18.635	0.0073	-2.5 to 2.5	Pass				
					3.85	15.658	0.0061	-2.5 to 2.5	Pass				
					4.43	18.230	0.0071	-2.5 to 2.5	Pass				
				-30	3.85	20.360	0.0079	-2.5 to 2.5	Pass				
				-20	3.85	16.142	0.0063	-2.5 to 2.5	Pass				
				-10	3.85	12.539	0.0049	-2.5 to 2.5	Pass				
				0	3.85	5.924	0.0023	-2.5 to 2.5	Pass				
				10	3.85	-0.777	-0.0003	-2.5 to 2.5	Pass				
				30	3.85	-5.084	-0.0020	-2.5 to 2.5	Pass				
				40	3.85	-5.897	-0.0023	-2.5 to 2.5	Pass				
				50	3.85	-10.794	-0.0042	-2.5 to 2.5	Pass				
				16QAM	2507.5	75	0	20	3.27	-10.543	-0.0042	-2.5 to 2.5	Pass
									3.85	-18.417	-0.0073	-2.5 to 2.5	Pass
4.43	-22.473	-0.0090	-2.5 to 2.5						Pass				
-30	3.85	-26.429	-0.0105					-2.5 to 2.5	Pass				
-20	3.85	-26.443	-0.0105					-2.5 to 2.5	Pass				
-10	3.85	-25.991	-0.0104					-2.5 to 2.5	Pass				
0	3.85	-29.821	-0.0119					-2.5 to 2.5	Pass				
10	3.85	-27.181	-0.0108					-2.5 to 2.5	Pass				
30	3.85	-37.253	-0.0149					-2.5 to 2.5	Pass				
40	3.85	-38.157	-0.0152					-2.5 to 2.5	Pass				
50	3.85	-36.670	-0.0146					-2.5 to 2.5	Pass				
2535	75	0	20					3.27	-18.783	-0.0074	-2.5 to 2.5	Pass	
					3.85	-17.774	-0.0070	-2.5 to 2.5	Pass				
					4.43	-19.930	-0.0079	-2.5 to 2.5	Pass				
			-30		3.85	-22.753	-0.0090	-2.5 to 2.5	Pass				
			-20		3.85	-19.349	-0.0076	-2.5 to 2.5	Pass				
			-10		3.85	-21.703	-0.0086	-2.5 to 2.5	Pass				
			0		3.85	-18.468	-0.0073	-2.5 to 2.5	Pass				
			10		3.85	-16.959	-0.0067	-2.5 to 2.5	Pass				
			30		3.85	-22.137	-0.0087	-2.5 to 2.5	Pass				
			40		3.85	-16.454	-0.0065	-2.5 to 2.5	Pass				
			50		3.85	-13.390	-0.0053	-2.5 to 2.5	Pass				
			2562.5		75	0	20	3.27	-16.481	-0.0064	-2.5 to 2.5	Pass	
								3.85	-29.545	-0.0115	-2.5 to 2.5	Pass	
								4.43	-41.218	-0.0161	-2.5 to 2.5	Pass	
							-30	3.85	-37.155	-0.0145	-2.5 to 2.5	Pass	
							-20	3.85	-34.849	-0.0136	-2.5 to 2.5	Pass	
							-10	3.85	-33.152	-0.0129	-2.5 to 2.5	Pass	
							0	3.85	-33.982	-0.0133	-2.5 to 2.5	Pass	
10	3.85	-31.994					-0.0125	-2.5 to 2.5	Pass				
30	3.85	-28.831		-0.0113			-2.5 to 2.5	Pass					
40	3.85	-26.840	-0.0105	-2.5 to 2.5	Pass								
50	3.85	-21.350	-0.0083	-2.5 to 2.5	Pass								

5.4 B7_20MHz

5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	44.040	0.0175	-2.5 to 2.5	Pass
					3.85	-4.748	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-9.186	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-11.395	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-16.142	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-23.051	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-30.650	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-37.985	-0.0151	-2.5 to 2.5	Pass
				40	3.85	13.074	0.0052	-2.5 to 2.5	Pass
	50	3.85	6.094	0.0024	-2.5 to 2.5	Pass			
	2535	100	0	20	3.27	17.269	0.0068	-2.5 to 2.5	Pass
					3.85	23.428	0.0092	-2.5 to 2.5	Pass
					4.43	17.100	0.0067	-2.5 to 2.5	Pass
				-30	3.85	16.053	0.0063	-2.5 to 2.5	Pass
				-20	3.85	7.556	0.0030	-2.5 to 2.5	Pass
				-10	3.85	3.057	0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.942	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-8.897	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-15.048	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-21.941	-0.0087	-2.5 to 2.5	Pass
	50	3.85	-25.494	-0.0101	-2.5 to 2.5	Pass			
	2560	100	0	20	3.27	15.988	0.0062	-2.5 to 2.5	Pass
					3.85	19.216	0.0075	-2.5 to 2.5	Pass
					4.43	18.067	0.0071	-2.5 to 2.5	Pass
				-30	3.85	19.134	0.0075	-2.5 to 2.5	Pass
				-20	3.85	12.577	0.0049	-2.5 to 2.5	Pass
				-10	3.85	9.775	0.0038	-2.5 to 2.5	Pass
				0	3.85	5.428	0.0021	-2.5 to 2.5	Pass
				10	3.85	7.179	0.0028	-2.5 to 2.5	Pass
30				3.85	1.365	0.0005	-2.5 to 2.5	Pass	
40				3.85	0.147	0.0001	-2.5 to 2.5	Pass	
50	3.85	-10.432	-0.0041	-2.5 to 2.5	Pass				
16QAM	2510	100	0	20	3.27	-3.239	-0.0013	-2.5 to 2.5	Pass
					3.85	-10.579	-0.0042	-2.5 to 2.5	Pass
					4.43	-12.049	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-16.615	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-15.359	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-13.880	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-24.113	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-20.253	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-17.398	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-18.121	-0.0072	-2.5 to 2.5	Pass
	50	3.85	-17.931	-0.0071	-2.5 to 2.5	Pass			
	2535	100	0	20	3.27	-32.494	-0.0128	-2.5 to 2.5	Pass
					3.85	-39.693	-0.0157	-2.5 to 2.5	Pass
4.43					-37.841	-0.0149	-2.5 to 2.5	Pass	

				-30	3.85	-40.972	-0.0162	-2.5 to 2.5	Pass			
				-20	3.85	-37.748	-0.0149	-2.5 to 2.5	Pass			
				-10	3.85	-38.714	-0.0153	-2.5 to 2.5	Pass			
				0	3.85	-35.689	-0.0141	-2.5 to 2.5	Pass			
				10	3.85	-39.835	-0.0157	-2.5 to 2.5	Pass			
				30	3.85	-33.679	-0.0133	-2.5 to 2.5	Pass			
				40	3.85	-37.032	-0.0146	-2.5 to 2.5	Pass			
				50	3.85	-34.514	-0.0136	-2.5 to 2.5	Pass			
	2560	100	0	20	3.27	-12.185	-0.0048	-2.5 to 2.5	Pass			
3.85					-16.398	-0.0064	-2.5 to 2.5	Pass				
4.43					-19.491	-0.0076	-2.5 to 2.5	Pass				
							-30	3.85	-17.990	-0.0070	-2.5 to 2.5	Pass
							-20	3.85	-16.706	-0.0065	-2.5 to 2.5	Pass
							-10	3.85	-16.934	-0.0066	-2.5 to 2.5	Pass
							0	3.85	-9.985	-0.0039	-2.5 to 2.5	Pass
							10	3.85	-18.436	-0.0072	-2.5 to 2.5	Pass
							30	3.85	-21.187	-0.0083	-2.5 to 2.5	Pass
							40	3.85	-25.627	-0.0100	-2.5 to 2.5	Pass
							50	3.85	-19.312	-0.0075	-2.5 to 2.5	Pass