

1. Frequency Stability

1.1 B12_1.4MHz

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	9.00	2.622	0.0037	-2.5 to 2.5	Pass
					12.00	4.559	0.0065	-2.5 to 2.5	Pass
					30.00	0.420	0.0006	-2.5 to 2.5	Pass
				-20	12.00	3.556	0.0051	-2.5 to 2.5	Pass
				-10	12.00	-2.124	-0.0030	-2.5 to 2.5	Pass
				0	12.00	3.808	0.0054	-2.5 to 2.5	Pass
				10	12.00	11.379	0.0163	-2.5 to 2.5	Pass
				30	12.00	14.502	0.0207	-2.5 to 2.5	Pass
				40	12.00	15.499	0.0222	-2.5 to 2.5	Pass
				50	12.00	15.970	0.0228	-2.5 to 2.5	Pass
				65	12.00	16.241	0.0232	-2.5 to 2.5	Pass
	707.5	6	0	20	9.00	-1.587	-0.0022	-2.5 to 2.5	Pass
					12.00	0.781	0.0011	-2.5 to 2.5	Pass
					30.00	9.377	0.0133	-2.5 to 2.5	Pass
				-20	12.00	13.013	0.0184	-2.5 to 2.5	Pass
				-10	12.00	14.711	0.0208	-2.5 to 2.5	Pass
				0	12.00	14.845	0.0210	-2.5 to 2.5	Pass
				10	12.00	15.601	0.0221	-2.5 to 2.5	Pass
				30	12.00	15.998	0.0226	-2.5 to 2.5	Pass
				40	12.00	16.651	0.0235	-2.5 to 2.5	Pass
				50	12.00	16.401	0.0232	-2.5 to 2.5	Pass
				65	12.00	16.997	0.0240	-2.5 to 2.5	Pass
	715.3	6	0	20	9.00	1.550	0.0022	-2.5 to 2.5	Pass
					12.00	-2.979	-0.0042	-2.5 to 2.5	Pass
					30.00	-3.218	-0.0045	-2.5 to 2.5	Pass
				-20	12.00	3.490	0.0049	-2.5 to 2.5	Pass
				-10	12.00	-1.286	-0.0018	-2.5 to 2.5	Pass
				0	12.00	3.497	0.0049	-2.5 to 2.5	Pass
				10	12.00	0.346	0.0005	-2.5 to 2.5	Pass
				30	12.00	5.028	0.0070	-2.5 to 2.5	Pass
				40	12.00	2.752	0.0038	-2.5 to 2.5	Pass
				50	12.00	11.147	0.0156	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	9.00	16.603	0.0237	-2.5 to 2.5	Pass
					12.00	16.952	0.0242	-2.5 to 2.5	Pass
					30.00	16.541	0.0236	-2.5 to 2.5	Pass
				-20	12.00	16.716	0.0239	-2.5 to 2.5	Pass
				-10	12.00	16.851	0.0241	-2.5 to 2.5	Pass
				0	12.00	17.137	0.0245	-2.5 to 2.5	Pass
				10	12.00	17.440	0.0249	-2.5 to 2.5	Pass
				30	12.00	2.368	0.0034	-2.5 to 2.5	Pass
				40	12.00	6.762	0.0097	-2.5 to 2.5	Pass
				50	12.00	4.499	0.0064	-2.5 to 2.5	Pass
				65	12.00	9.355	0.0134	-2.5 to 2.5	Pass
	707.5	6	0	20	9.00	16.324	0.0231	-2.5 to 2.5	Pass
					12.00	16.776	0.0237	-2.5 to 2.5	Pass

					30.00	16.255	0.0230	-2.5 to 2.5	Pass
				-20	12.00	16.005	0.0226	-2.5 to 2.5	Pass
				-10	12.00	16.431	0.0232	-2.5 to 2.5	Pass
				0	12.00	16.064	0.0227	-2.5 to 2.5	Pass
				10	12.00	17.005	0.0240	-2.5 to 2.5	Pass
				30	12.00	17.252	0.0244	-2.5 to 2.5	Pass
				40	12.00	17.368	0.0245	-2.5 to 2.5	Pass
				50	12.00	17.558	0.0248	-2.5 to 2.5	Pass
				65	12.00	17.727	0.0251	-2.5 to 2.5	Pass
	715.3	6	0	20	9.00	4.218	0.0059	-2.5 to 2.5	Pass
					12.00	6.341	0.0089	-2.5 to 2.5	Pass
					30.00	7.057	0.0099	-2.5 to 2.5	Pass
				-20	12.00	8.254	0.0115	-2.5 to 2.5	Pass
				-10	12.00	9.171	0.0128	-2.5 to 2.5	Pass
				0	12.00	10.109	0.0141	-2.5 to 2.5	Pass
				10	12.00	10.805	0.0151	-2.5 to 2.5	Pass
				30	12.00	11.632	0.0163	-2.5 to 2.5	Pass
				40	12.00	12.662	0.0177	-2.5 to 2.5	Pass
				50	12.00	13.139	0.0184	-2.5 to 2.5	Pass
				65	12.00	13.501	0.0189	-2.5 to 2.5	Pass

1.2 B12_3MHz

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	9.00	-8.103	-0.0116	-2.5 to 2.5	Pass
					12.00	2.981	0.0043	-2.5 to 2.5	Pass
					30.00	11.956	0.0171	-2.5 to 2.5	Pass
				-20	12.00	16.600	0.0237	-2.5 to 2.5	Pass
				-10	12.00	18.342	0.0262	-2.5 to 2.5	Pass
				0	12.00	19.954	0.0285	-2.5 to 2.5	Pass
				10	12.00	20.828	0.0297	-2.5 to 2.5	Pass
				30	12.00	21.572	0.0308	-2.5 to 2.5	Pass
				40	12.00	21.729	0.0310	-2.5 to 2.5	Pass
				50	12.00	22.619	0.0323	-2.5 to 2.5	Pass
				65	12.00	23.148	0.0330	-2.5 to 2.5	Pass
	707.5	15	0	20	9.00	-0.773	-0.0011	-2.5 to 2.5	Pass
					12.00	-0.447	-0.0006	-2.5 to 2.5	Pass
					30.00	0.809	0.0011	-2.5 to 2.5	Pass
				-20	12.00	1.256	0.0018	-2.5 to 2.5	Pass
				-10	12.00	1.934	0.0027	-2.5 to 2.5	Pass
				0	12.00	2.778	0.0039	-2.5 to 2.5	Pass
				10	12.00	2.833	0.0040	-2.5 to 2.5	Pass
				30	12.00	3.443	0.0049	-2.5 to 2.5	Pass
				40	12.00	3.677	0.0052	-2.5 to 2.5	Pass
				50	12.00	3.744	0.0053	-2.5 to 2.5	Pass
				65	12.00	4.205	0.0059	-2.5 to 2.5	Pass
	714.5	15	0	20	9.00	0.713	0.0010	-2.5 to 2.5	Pass
					12.00	1.049	0.0015	-2.5 to 2.5	Pass
					30.00	3.244	0.0045	-2.5 to 2.5	Pass
				-20	12.00	3.694	0.0052	-2.5 to 2.5	Pass
				-10	12.00	4.413	0.0062	-2.5 to 2.5	Pass

				0	12.00	4.001	0.0056	-2.5 to 2.5	Pass
				10	12.00	3.680	0.0052	-2.5 to 2.5	Pass
				30	12.00	4.670	0.0065	-2.5 to 2.5	Pass
				40	12.00	4.102	0.0057	-2.5 to 2.5	Pass
				50	12.00	4.450	0.0062	-2.5 to 2.5	Pass
				65	12.00	4.031	0.0056	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	9.00	23.226	0.0332	-2.5 to 2.5	Pass
					12.00	23.641	0.0337	-2.5 to 2.5	Pass
					30.00	23.302	0.0333	-2.5 to 2.5	Pass
				-20	12.00	-5.106	-0.0073	-2.5 to 2.5	Pass
				-10	12.00	4.815	0.0069	-2.5 to 2.5	Pass
				0	12.00	12.628	0.0180	-2.5 to 2.5	Pass
				10	12.00	15.643	0.0223	-2.5 to 2.5	Pass
				30	12.00	17.256	0.0246	-2.5 to 2.5	Pass
				40	12.00	18.855	0.0269	-2.5 to 2.5	Pass
				50	12.00	18.953	0.0271	-2.5 to 2.5	Pass
				65	12.00	20.262	0.0289	-2.5 to 2.5	Pass
	707.5	15	0	20	9.00	4.786	0.0068	-2.5 to 2.5	Pass
					12.00	4.334	0.0061	-2.5 to 2.5	Pass
					30.00	3.511	0.0050	-2.5 to 2.5	Pass
				-20	12.00	3.499	0.0049	-2.5 to 2.5	Pass
				-10	12.00	3.908	0.0055	-2.5 to 2.5	Pass
				0	12.00	4.173	0.0059	-2.5 to 2.5	Pass
				10	12.00	4.215	0.0060	-2.5 to 2.5	Pass
				30	12.00	4.609	0.0065	-2.5 to 2.5	Pass
				40	12.00	4.572	0.0065	-2.5 to 2.5	Pass
				50	12.00	5.129	0.0072	-2.5 to 2.5	Pass
	714.5	15	0	20	9.00	4.807	0.0068	-2.5 to 2.5	Pass
					12.00	3.795	0.0053	-2.5 to 2.5	Pass
					30.00	3.478	0.0049	-2.5 to 2.5	Pass
				-20	12.00	2.141	0.0030	-2.5 to 2.5	Pass
				-10	12.00	2.110	0.0030	-2.5 to 2.5	Pass
				0	12.00	2.276	0.0032	-2.5 to 2.5	Pass
				10	12.00	2.028	0.0028	-2.5 to 2.5	Pass
				30	12.00	2.097	0.0029	-2.5 to 2.5	Pass
				40	12.00	1.884	0.0026	-2.5 to 2.5	Pass
				50	12.00	1.249	0.0017	-2.5 to 2.5	Pass
				65	12.00	8.693	0.0122	-2.5 to 2.5	Pass

1.3 B12_5MHz

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	9.00	1.602	0.0023	-2.5 to 2.5	Pass
					12.00	-1.311	-0.0019	-2.5 to 2.5	Pass
					30.00	0.856	0.0012	-2.5 to 2.5	Pass
				-20	12.00	2.215	0.0032	-2.5 to 2.5	Pass
				-10	12.00	2.252	0.0032	-2.5 to 2.5	Pass
				0	12.00	1.826	0.0026	-2.5 to 2.5	Pass
				10	12.00	1.722	0.0025	-2.5 to 2.5	Pass
				30	12.00	2.198	0.0031	-2.5 to 2.5	Pass

	707.5	25	0	40	12.00	1.748	0.0025	-2.5 to 2.5	Pass
				50	12.00	2.281	0.0033	-2.5 to 2.5	Pass
				65	12.00	2.274	0.0032	-2.5 to 2.5	Pass
				20	9.00	-3.832	-0.0054	-2.5 to 2.5	Pass
					12.00	-2.233	-0.0032	-2.5 to 2.5	Pass
					30.00	4.845	0.0068	-2.5 to 2.5	Pass
				-20	12.00	8.245	0.0117	-2.5 to 2.5	Pass
				-10	12.00	9.081	0.0128	-2.5 to 2.5	Pass
				0	12.00	9.563	0.0135	-2.5 to 2.5	Pass
				10	12.00	9.977	0.0141	-2.5 to 2.5	Pass
				30	12.00	10.180	0.0144	-2.5 to 2.5	Pass
				40	12.00	9.696	0.0137	-2.5 to 2.5	Pass
	50	12.00	10.232	0.0145	-2.5 to 2.5	Pass			
	65	12.00	10.946	0.0155	-2.5 to 2.5	Pass			
	713.5	25	0	20	9.00	3.309	0.0046	-2.5 to 2.5	Pass
					12.00	3.418	0.0048	-2.5 to 2.5	Pass
					30.00	5.034	0.0071	-2.5 to 2.5	Pass
				-20	12.00	5.789	0.0081	-2.5 to 2.5	Pass
				-10	12.00	6.032	0.0085	-2.5 to 2.5	Pass
				0	12.00	5.945	0.0083	-2.5 to 2.5	Pass
				10	12.00	6.153	0.0086	-2.5 to 2.5	Pass
				30	12.00	5.589	0.0078	-2.5 to 2.5	Pass
				40	12.00	5.563	0.0078	-2.5 to 2.5	Pass
				50	12.00	5.537	0.0078	-2.5 to 2.5	Pass
65				12.00	5.252	0.0074	-2.5 to 2.5	Pass	
16QAM				701.5	25	0	20	9.00	1.716
	12.00	1.964	0.0028					-2.5 to 2.5	Pass
	30.00	1.055	0.0015					-2.5 to 2.5	Pass
	-20	12.00	1.369				0.0020	-2.5 to 2.5	Pass
	-10	12.00	0.640				0.0009	-2.5 to 2.5	Pass
	0	12.00	0.550				0.0008	-2.5 to 2.5	Pass
	10	12.00	0.219				0.0003	-2.5 to 2.5	Pass
	30	12.00	0.514				0.0007	-2.5 to 2.5	Pass
	40	12.00	0.949				0.0014	-2.5 to 2.5	Pass
	50	12.00	0.130				0.0002	-2.5 to 2.5	Pass
	65	12.00	0.392				0.0006	-2.5 to 2.5	Pass
	707.5	25	0				20	9.00	10.924
				12.00	10.809	0.0153		-2.5 to 2.5	Pass
				30.00	9.639	0.0136		-2.5 to 2.5	Pass
				-20	12.00	9.168	0.0130	-2.5 to 2.5	Pass
				-10	12.00	8.741	0.0124	-2.5 to 2.5	Pass
				0	12.00	9.333	0.0132	-2.5 to 2.5	Pass
				10	12.00	8.644	0.0122	-2.5 to 2.5	Pass
				30	12.00	9.105	0.0129	-2.5 to 2.5	Pass
				40	12.00	-3.061	-0.0043	-2.5 to 2.5	Pass
				50	12.00	0.212	0.0003	-2.5 to 2.5	Pass
				65	12.00	5.380	0.0076	-2.5 to 2.5	Pass
				713.5	25	0	20	9.00	4.744
	12.00	5.157	0.0072					-2.5 to 2.5	Pass
30.00	4.142	0.0058	-2.5 to 2.5					Pass	
-20	12.00	4.103	0.0058				-2.5 to 2.5	Pass	
-10	12.00	4.083	0.0057				-2.5 to 2.5	Pass	
0	12.00	3.768	0.0053				-2.5 to 2.5	Pass	
10	12.00	4.217	0.0059				-2.5 to 2.5	Pass	
30	12.00	3.307	0.0046				-2.5 to 2.5	Pass	
40	12.00	3.335	0.0047				-2.5 to 2.5	Pass	
50	12.00	3.387	0.0047				-2.5 to 2.5	Pass	

				65	12.00	3.558	0.0050	-2.5 to 2.5	Pass
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1.4 B12_10MHz

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	9.00	3.689	0.0052	-2.5 to 2.5	Pass
					12.00	-0.626	-0.0009	-2.5 to 2.5	Pass
					30.00	0.486	0.0007	-2.5 to 2.5	Pass
				-20	12.00	1.664	0.0024	-2.5 to 2.5	Pass
				-10	12.00	1.662	0.0024	-2.5 to 2.5	Pass
				0	12.00	1.618	0.0023	-2.5 to 2.5	Pass
				10	12.00	1.990	0.0028	-2.5 to 2.5	Pass
				30	12.00	1.998	0.0028	-2.5 to 2.5	Pass
				40	12.00	1.595	0.0023	-2.5 to 2.5	Pass
				50	12.00	1.695	0.0024	-2.5 to 2.5	Pass
				65	12.00	1.569	0.0022	-2.5 to 2.5	Pass
	707.5	50	0	20	9.00	-1.068	-0.0015	-2.5 to 2.5	Pass
					12.00	-1.379	-0.0019	-2.5 to 2.5	Pass
					30.00	-0.387	-0.0005	-2.5 to 2.5	Pass
				-20	12.00	0.001	0.0000	-2.5 to 2.5	Pass
				-10	12.00	-0.199	-0.0003	-2.5 to 2.5	Pass
				0	12.00	0.116	0.0002	-2.5 to 2.5	Pass
				10	12.00	0.144	0.0002	-2.5 to 2.5	Pass
				30	12.00	0.424	0.0006	-2.5 to 2.5	Pass
				40	12.00	0.231	0.0003	-2.5 to 2.5	Pass
				50	12.00	0.390	0.0006	-2.5 to 2.5	Pass
				65	12.00	0.401	0.0006	-2.5 to 2.5	Pass
	711	50	0	20	9.00	-2.577	-0.0036	-2.5 to 2.5	Pass
					12.00	-3.108	-0.0044	-2.5 to 2.5	Pass
					30.00	-1.172	-0.0016	-2.5 to 2.5	Pass
				-20	12.00	-0.909	-0.0013	-2.5 to 2.5	Pass
				-10	12.00	-0.985	-0.0014	-2.5 to 2.5	Pass
				0	12.00	-0.902	-0.0013	-2.5 to 2.5	Pass
				10	12.00	-1.156	-0.0016	-2.5 to 2.5	Pass
				30	12.00	-1.420	-0.0020	-2.5 to 2.5	Pass
				40	12.00	-1.263	-0.0018	-2.5 to 2.5	Pass
				50	12.00	-1.044	-0.0015	-2.5 to 2.5	Pass
				65	12.00	-1.080	-0.0015	-2.5 to 2.5	Pass
16QAM	704	50	0	20	9.00	1.687	0.0024	-2.5 to 2.5	Pass
					12.00	1.747	0.0025	-2.5 to 2.5	Pass
					30.00	1.066	0.0015	-2.5 to 2.5	Pass
				-20	12.00	0.935	0.0013	-2.5 to 2.5	Pass
				-10	12.00	0.357	0.0005	-2.5 to 2.5	Pass
				0	12.00	0.685	0.0010	-2.5 to 2.5	Pass
				10	12.00	0.634	0.0009	-2.5 to 2.5	Pass
				30	12.00	1.228	0.0017	-2.5 to 2.5	Pass
				40	12.00	1.232	0.0018	-2.5 to 2.5	Pass
				50	12.00	1.264	0.0018	-2.5 to 2.5	Pass
				65	12.00	1.148	0.0016	-2.5 to 2.5	Pass
	707.5	50	0	20	9.00	0.393	0.0006	-2.5 to 2.5	Pass
					12.00	0.552	0.0008	-2.5 to 2.5	Pass

					30.00	-0.390	-0.0006	-2.5 to 2.5	Pass
				-20	12.00	0.096	0.0001	-2.5 to 2.5	Pass
				-10	12.00	1.076	0.0015	-2.5 to 2.5	Pass
				0	12.00	5.242	0.0074	-2.5 to 2.5	Pass
				10	12.00	7.543	0.0107	-2.5 to 2.5	Pass
				30	12.00	8.133	0.0115	-2.5 to 2.5	Pass
				40	12.00	8.017	0.0113	-2.5 to 2.5	Pass
				50	12.00	8.205	0.0116	-2.5 to 2.5	Pass
				65	12.00	8.572	0.0121	-2.5 to 2.5	Pass
	711	50	0	20	9.00	-0.903	-0.0013	-2.5 to 2.5	Pass
					12.00	-0.822	-0.0012	-2.5 to 2.5	Pass
					30.00	-1.474	-0.0021	-2.5 to 2.5	Pass
				-20	12.00	-1.368	-0.0019	-2.5 to 2.5	Pass
				-10	12.00	-1.691	-0.0024	-2.5 to 2.5	Pass
				0	12.00	-0.917	-0.0013	-2.5 to 2.5	Pass
				10	12.00	-1.777	-0.0025	-2.5 to 2.5	Pass
				30	12.00	-1.506	-0.0021	-2.5 to 2.5	Pass
				40	12.00	-1.912	-0.0027	-2.5 to 2.5	Pass
				50	12.00	-2.059	-0.0029	-2.5 to 2.5	Pass
				65	12.00	-2.106	-0.0030	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	9.00	-0.400	-0.0006	-2.5 to 2.5	Pass
					12.00	-2.505	-0.0035	-2.5 to 2.5	Pass
					30.00	-1.695	-0.0024	-2.5 to 2.5	Pass
				-20	12.00	-1.043	-0.0015	-2.5 to 2.5	Pass
				-10	12.00	-1.149	-0.0016	-2.5 to 2.5	Pass
				0	12.00	-1.038	-0.0015	-2.5 to 2.5	Pass
				10	12.00	-1.386	-0.0020	-2.5 to 2.5	Pass
				30	12.00	-1.806	-0.0026	-2.5 to 2.5	Pass
				40	12.00	-1.806	-0.0026	-2.5 to 2.5	Pass
				50	12.00	-2.299	-0.0033	-2.5 to 2.5	Pass
				65	12.00	-2.596	-0.0037	-2.5 to 2.5	Pass
	710	25	0	20	9.00	-0.833	-0.0012	-2.5 to 2.5	Pass
					12.00	-1.094	-0.0015	-2.5 to 2.5	Pass
					30.00	-0.739	-0.0010	-2.5 to 2.5	Pass
				-20	12.00	-0.417	-0.0006	-2.5 to 2.5	Pass
				-10	12.00	-0.114	-0.0002	-2.5 to 2.5	Pass
				0	12.00	-0.202	-0.0003	-2.5 to 2.5	Pass
				10	12.00	-0.184	-0.0003	-2.5 to 2.5	Pass
				30	12.00	-1.294	-0.0018	-2.5 to 2.5	Pass
				40	12.00	-1.134	-0.0016	-2.5 to 2.5	Pass
				50	12.00	-1.751	-0.0025	-2.5 to 2.5	Pass
				65	12.00	-2.153	-0.0030	-2.5 to 2.5	Pass
	713.5	25	0	20	9.00	3.492	0.0049	-2.5 to 2.5	Pass
					12.00	2.972	0.0042	-2.5 to 2.5	Pass

					30.00	4.096	0.0057	-2.5 to 2.5	Pass
				-20	12.00	3.949	0.0055	-2.5 to 2.5	Pass
				-10	12.00	3.940	0.0055	-2.5 to 2.5	Pass
				0	12.00	3.408	0.0048	-2.5 to 2.5	Pass
				10	12.00	3.083	0.0043	-2.5 to 2.5	Pass
				30	12.00	2.623	0.0037	-2.5 to 2.5	Pass
				40	12.00	2.113	0.0030	-2.5 to 2.5	Pass
				50	12.00	1.832	0.0026	-2.5 to 2.5	Pass
				65	12.00	1.001	0.0014	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	9.00	-2.154	-0.0030	-2.5 to 2.5	Pass
					12.00	-2.478	-0.0035	-2.5 to 2.5	Pass
					30.00	-3.881	-0.0055	-2.5 to 2.5	Pass
				-20	12.00	-4.254	-0.0060	-2.5 to 2.5	Pass
				-10	12.00	-4.656	-0.0066	-2.5 to 2.5	Pass
				0	12.00	-5.113	-0.0072	-2.5 to 2.5	Pass
				10	12.00	-5.338	-0.0076	-2.5 to 2.5	Pass
				30	12.00	-5.174	-0.0073	-2.5 to 2.5	Pass
				40	12.00	-5.498	-0.0078	-2.5 to 2.5	Pass
				50	12.00	-5.635	-0.0080	-2.5 to 2.5	Pass
				65	12.00	-5.967	-0.0084	-2.5 to 2.5	Pass
	710	25	0	20	9.00	-3.339	-0.0047	-2.5 to 2.5	Pass
					12.00	-3.495	-0.0049	-2.5 to 2.5	Pass
					30.00	-4.161	-0.0059	-2.5 to 2.5	Pass
				-20	12.00	-4.627	-0.0065	-2.5 to 2.5	Pass
				-10	12.00	-4.645	-0.0065	-2.5 to 2.5	Pass
				0	12.00	-4.930	-0.0069	-2.5 to 2.5	Pass
				10	12.00	-4.941	-0.0070	-2.5 to 2.5	Pass
				30	12.00	-5.484	-0.0077	-2.5 to 2.5	Pass
				40	12.00	-6.053	-0.0085	-2.5 to 2.5	Pass
				50	12.00	-6.130	-0.0086	-2.5 to 2.5	Pass
				65	12.00	-6.702	-0.0094	-2.5 to 2.5	Pass
	713.5	25	0	20	9.00	0.699	0.0010	-2.5 to 2.5	Pass
					12.00	0.355	0.0005	-2.5 to 2.5	Pass
					30.00	-0.219	-0.0003	-2.5 to 2.5	Pass
				-20	12.00	-0.788	-0.0011	-2.5 to 2.5	Pass
				-10	12.00	-1.423	-0.0020	-2.5 to 2.5	Pass
				0	12.00	-1.595	-0.0022	-2.5 to 2.5	Pass
				10	12.00	-1.553	-0.0022	-2.5 to 2.5	Pass
				30	12.00	-1.967	-0.0028	-2.5 to 2.5	Pass
				40	12.00	-2.099	-0.0029	-2.5 to 2.5	Pass
				50	12.00	-2.435	-0.0034	-2.5 to 2.5	Pass
				65	12.00	-2.694	-0.0038	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	9.00	3.895	0.0055	-2.5 to 2.5	Pass
					12.00	1.631	0.0023	-2.5 to 2.5	Pass
					30.00	2.451	0.0035	-2.5 to 2.5	Pass
				-20	12.00	2.927	0.0041	-2.5 to 2.5	Pass
				-10	12.00	2.751	0.0039	-2.5 to 2.5	Pass

				0	12.00	2.040	0.0029	-2.5 to 2.5	Pass			
				10	12.00	1.881	0.0027	-2.5 to 2.5	Pass			
				30	12.00	1.940	0.0027	-2.5 to 2.5	Pass			
				40	12.00	1.660	0.0023	-2.5 to 2.5	Pass			
				50	12.00	1.058	0.0015	-2.5 to 2.5	Pass			
				65	12.00	1.117	0.0016	-2.5 to 2.5	Pass			
	710	50	0	20	9.00	-1.853	-0.0026	-2.5 to 2.5	Pass			
					12.00	-2.367	-0.0033	-2.5 to 2.5	Pass			
					30.00	-1.719	-0.0024	-2.5 to 2.5	Pass			
				-20	12.00	-1.646	-0.0023	-2.5 to 2.5	Pass			
				-10	12.00	-1.435	-0.0020	-2.5 to 2.5	Pass			
				0	12.00	-1.656	-0.0023	-2.5 to 2.5	Pass			
				10	12.00	-1.836	-0.0026	-2.5 to 2.5	Pass			
				30	12.00	-2.034	-0.0029	-2.5 to 2.5	Pass			
				40	12.00	-2.444	-0.0034	-2.5 to 2.5	Pass			
				50	12.00	-2.484	-0.0035	-2.5 to 2.5	Pass			
	65	12.00	-2.284	-0.0032	-2.5 to 2.5	Pass						
	711	50	0	20	9.00	0.143	0.0002	-2.5 to 2.5	Pass			
					12.00	-0.167	-0.0002	-2.5 to 2.5	Pass			
					30.00	1.058	0.0015	-2.5 to 2.5	Pass			
				-20	12.00	1.416	0.0020	-2.5 to 2.5	Pass			
				-10	12.00	1.113	0.0016	-2.5 to 2.5	Pass			
				0	12.00	1.350	0.0019	-2.5 to 2.5	Pass			
				10	12.00	0.864	0.0012	-2.5 to 2.5	Pass			
				30	12.00	0.417	0.0006	-2.5 to 2.5	Pass			
				40	12.00	0.711	0.0010	-2.5 to 2.5	Pass			
				50	12.00	0.707	0.0010	-2.5 to 2.5	Pass			
	65	12.00	0.612	0.0009	-2.5 to 2.5	Pass						
	16QAM	709	50	0	20	9.00	0.977	0.0014	-2.5 to 2.5	Pass		
						12.00	0.709	0.0010	-2.5 to 2.5	Pass		
						30.00	0.072	0.0001	-2.5 to 2.5	Pass		
					-20	12.00	-0.689	-0.0010	-2.5 to 2.5	Pass		
					-10	12.00	-0.767	-0.0011	-2.5 to 2.5	Pass		
					0	12.00	-1.230	-0.0017	-2.5 to 2.5	Pass		
					10	12.00	-0.986	-0.0014	-2.5 to 2.5	Pass		
					30	12.00	-1.136	-0.0016	-2.5 to 2.5	Pass		
40					12.00	-1.565	-0.0022	-2.5 to 2.5	Pass			
50					12.00	-1.543	-0.0022	-2.5 to 2.5	Pass			
65					12.00	-1.689	-0.0024	-2.5 to 2.5	Pass			
710					50	0	20	9.00	-2.208	-0.0031	-2.5 to 2.5	Pass
								12.00	-1.988	-0.0028	-2.5 to 2.5	Pass
								30.00	-2.731	-0.0038	-2.5 to 2.5	Pass
		-20	12.00	-2.795			-0.0039	-2.5 to 2.5	Pass			
		-10	12.00	-2.897			-0.0041	-2.5 to 2.5	Pass			
		0	12.00	-3.510			-0.0049	-2.5 to 2.5	Pass			
		10	12.00	-3.479			-0.0049	-2.5 to 2.5	Pass			
		30	12.00	-3.788			-0.0053	-2.5 to 2.5	Pass			
		40	12.00	-3.601			-0.0051	-2.5 to 2.5	Pass			
		50	12.00	-3.248			-0.0046	-2.5 to 2.5	Pass			
65		12.00	-3.753	-0.0053	-2.5 to 2.5	Pass						
711		50	0	20	9.00	0.575	0.0008	-2.5 to 2.5	Pass			
					12.00	0.268	0.0004	-2.5 to 2.5	Pass			
					30.00	0.110	0.0002	-2.5 to 2.5	Pass			
				-20	12.00	-0.576	-0.0008	-2.5 to 2.5	Pass			
				-10	12.00	-0.915	-0.0013	-2.5 to 2.5	Pass			
				0	12.00	-0.718	-0.0010	-2.5 to 2.5	Pass			
10		12.00	-0.586	-0.0008	-2.5 to 2.5	Pass						

				30	12.00	-0.259	-0.0004	-2.5 to 2.5	Pass
				40	12.00	-0.150	-0.0002	-2.5 to 2.5	Pass
				50	12.00	-0.301	-0.0004	-2.5 to 2.5	Pass
				65	12.00	-0.201	-0.0003	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B2_1.4MHz

3.1.1 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	9.00	-2.334	-0.0013	-2.5 to 2.5	Pass
					12.00	-5.634	-0.0030	-2.5 to 2.5	Pass
					30.00	-9.185	-0.0050	-2.5 to 2.5	Pass
				-20	12.00	-10.221	-0.0055	-2.5 to 2.5	Pass
				-10	12.00	-11.231	-0.0061	-2.5 to 2.5	Pass
				0	12.00	-9.555	-0.0052	-2.5 to 2.5	Pass
				10	12.00	-8.943	-0.0048	-2.5 to 2.5	Pass
				30	12.00	-6.850	-0.0037	-2.5 to 2.5	Pass
				40	12.00	-4.172	-0.0023	-2.5 to 2.5	Pass
				50	12.00	-3.006	-0.0016	-2.5 to 2.5	Pass
				65	12.00	-2.703	-0.0015	-2.5 to 2.5	Pass
	1880	6	0	20	9.00	13.445	0.0072	-2.5 to 2.5	Pass
					12.00	17.997	0.0096	-2.5 to 2.5	Pass
					30.00	38.667	0.0206	-2.5 to 2.5	Pass
				-20	12.00	1.257	0.0007	-2.5 to 2.5	Pass
				-10	12.00	7.879	0.0042	-2.5 to 2.5	Pass
				0	12.00	11.965	0.0064	-2.5 to 2.5	Pass
				10	12.00	14.359	0.0076	-2.5 to 2.5	Pass
				30	12.00	15.680	0.0083	-2.5 to 2.5	Pass
				40	12.00	16.884	0.0090	-2.5 to 2.5	Pass
				50	12.00	17.425	0.0093	-2.5 to 2.5	Pass
				65	12.00	18.232	0.0097	-2.5 to 2.5	Pass
	1909.3	6	0	20	9.00	17.253	0.0090	-2.5 to 2.5	Pass
					12.00	5.171	0.0027	-2.5 to 2.5	Pass
					30.00	17.142	0.0090	-2.5 to 2.5	Pass
				-20	12.00	26.536	0.0139	-2.5 to 2.5	Pass
				-10	12.00	32.975	0.0173	-2.5 to 2.5	Pass
				0	12.00	36.636	0.0192	-2.5 to 2.5	Pass
				10	12.00	36.641	0.0192	-2.5 to 2.5	Pass
				30	12.00	36.525	0.0191	-2.5 to 2.5	Pass
				40	12.00	35.905	0.0188	-2.5 to 2.5	Pass
				50	12.00	34.670	0.0182	-2.5 to 2.5	Pass
				65	12.00	34.907	0.0183	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	9.00	-1.525	-0.0008	-2.5 to 2.5	Pass
					12.00	-2.154	-0.0012	-2.5 to 2.5	Pass
					30.00	-3.168	-0.0017	-2.5 to 2.5	Pass
				-20	12.00	-4.359	-0.0024	-2.5 to 2.5	Pass
				-10	12.00	-5.045	-0.0027	-2.5 to 2.5	Pass
				0	12.00	-5.827	-0.0031	-2.5 to 2.5	Pass
				10	12.00	-5.987	-0.0032	-2.5 to 2.5	Pass

				30	12.00	-5.002	-0.0027	-2.5 to 2.5	Pass
				40	12.00	-5.287	-0.0029	-2.5 to 2.5	Pass
				50	12.00	-5.241	-0.0028	-2.5 to 2.5	Pass
				65	12.00	-5.075	-0.0027	-2.5 to 2.5	Pass
	1880	6	0	20	9.00	18.727	0.0100	-2.5 to 2.5	Pass
					12.00	18.134	0.0096	-2.5 to 2.5	Pass
					30.00	18.230	0.0097	-2.5 to 2.5	Pass
				-20	12.00	-8.530	-0.0045	-2.5 to 2.5	Pass
				-10	12.00	-18.811	-0.0100	-2.5 to 2.5	Pass
				0	12.00	-15.134	-0.0081	-2.5 to 2.5	Pass
				10	12.00	-11.108	-0.0059	-2.5 to 2.5	Pass
				30	12.00	-9.265	-0.0049	-2.5 to 2.5	Pass
				40	12.00	-8.569	-0.0046	-2.5 to 2.5	Pass
				50	12.00	-8.596	-0.0046	-2.5 to 2.5	Pass
				65	12.00	-8.664	-0.0046	-2.5 to 2.5	Pass
	1909.3	6	0	20	9.00	33.232	0.0174	-2.5 to 2.5	Pass
					12.00	34.628	0.0181	-2.5 to 2.5	Pass
					30.00	32.774	0.0172	-2.5 to 2.5	Pass
				-20	12.00	30.493	0.0160	-2.5 to 2.5	Pass
				-10	12.00	30.299	0.0159	-2.5 to 2.5	Pass
				0	12.00	29.276	0.0153	-2.5 to 2.5	Pass
				10	12.00	28.387	0.0149	-2.5 to 2.5	Pass
				30	12.00	28.024	0.0147	-2.5 to 2.5	Pass
				40	12.00	27.067	0.0142	-2.5 to 2.5	Pass
				50	12.00	26.533	0.0139	-2.5 to 2.5	Pass
				65	12.00	26.185	0.0137	-2.5 to 2.5	Pass

3.2 B2_3MHz

3.2.1 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	9.00	-11.716	-0.0063	-2.5 to 2.5	Pass
					12.00	1.782	0.0010	-2.5 to 2.5	Pass
					30.00	14.933	0.0081	-2.5 to 2.5	Pass
				-20	12.00	22.468	0.0121	-2.5 to 2.5	Pass
				-10	12.00	26.650	0.0144	-2.5 to 2.5	Pass
				0	12.00	28.882	0.0156	-2.5 to 2.5	Pass
				10	12.00	-12.562	-0.0068	-2.5 to 2.5	Pass
				30	12.00	0.651	0.0004	-2.5 to 2.5	Pass
				40	12.00	17.045	0.0092	-2.5 to 2.5	Pass
				50	12.00	28.269	0.0153	-2.5 to 2.5	Pass
				65	12.00	33.637	0.0182	-2.5 to 2.5	Pass
	1880	15	0	20	9.00	-5.531	-0.0029	-2.5 to 2.5	Pass
					12.00	-6.765	-0.0036	-2.5 to 2.5	Pass
					30.00	-5.969	-0.0032	-2.5 to 2.5	Pass
				-20	12.00	-5.563	-0.0030	-2.5 to 2.5	Pass
				-10	12.00	-5.193	-0.0028	-2.5 to 2.5	Pass
				0	12.00	-5.721	-0.0030	-2.5 to 2.5	Pass
				10	12.00	-4.447	-0.0024	-2.5 to 2.5	Pass
				30	12.00	-5.571	-0.0030	-2.5 to 2.5	Pass
				40	12.00	-5.518	-0.0029	-2.5 to 2.5	Pass
				50	12.00	-5.468	-0.0029	-2.5 to 2.5	Pass

				65	12.00	-5.367	-0.0029	-2.5 to 2.5	Pass
	1908.5	15	0	20	9.00	-6.028	-0.0032	-2.5 to 2.5	Pass
					12.00	-7.695	-0.0040	-2.5 to 2.5	Pass
					30.00	-6.648	-0.0035	-2.5 to 2.5	Pass
					-20	12.00	-5.876	-0.0031	-2.5 to 2.5
				-10	12.00	-5.252	-0.0028	-2.5 to 2.5	Pass
				0	12.00	-6.326	-0.0033	-2.5 to 2.5	Pass
				10	12.00	-8.135	-0.0043	-2.5 to 2.5	Pass
				30	12.00	-9.211	-0.0048	-2.5 to 2.5	Pass
				40	12.00	-10.577	-0.0055	-2.5 to 2.5	Pass
				50	12.00	-11.190	-0.0059	-2.5 to 2.5	Pass
				65	12.00	-10.881	-0.0057	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	9.00	35.414	0.0191	-2.5 to 2.5	Pass
					12.00	37.102	0.0200	-2.5 to 2.5	Pass
					30.00	37.663	0.0203	-2.5 to 2.5	Pass
					-20	12.00	37.419	0.0202	-2.5 to 2.5
				-10	12.00	37.649	0.0203	-2.5 to 2.5	Pass
				0	12.00	38.276	0.0207	-2.5 to 2.5	Pass
				10	12.00	37.986	0.0205	-2.5 to 2.5	Pass
				30	12.00	38.874	0.0210	-2.5 to 2.5	Pass
				40	12.00	37.689	0.0204	-2.5 to 2.5	Pass
				50	12.00	37.846	0.0204	-2.5 to 2.5	Pass
				65	12.00	38.356	0.0207	-2.5 to 2.5	Pass
				1880	15	0	20	9.00	-6.369
	12.00	-7.206	-0.0038					-2.5 to 2.5	Pass
	30.00	-7.866	-0.0042					-2.5 to 2.5	Pass
	-20	12.00	-9.002					-0.0048	-2.5 to 2.5
	-10	12.00	-9.638				-0.0051	-2.5 to 2.5	Pass
	0	12.00	-10.028				-0.0053	-2.5 to 2.5	Pass
	10	12.00	-10.220				-0.0054	-2.5 to 2.5	Pass
	30	12.00	-10.240				-0.0054	-2.5 to 2.5	Pass
	40	12.00	-10.238				-0.0054	-2.5 to 2.5	Pass
	50	12.00	-11.214				-0.0060	-2.5 to 2.5	Pass
	65	12.00	-10.952				-0.0058	-2.5 to 2.5	Pass
	1908.5	15	0				20	9.00	-11.366
				12.00	-12.798	-0.0067		-2.5 to 2.5	Pass
				30.00	-13.850	-0.0073		-2.5 to 2.5	Pass
				-20	12.00	-14.818		-0.0078	-2.5 to 2.5
				-10	12.00	-16.490	-0.0086	-2.5 to 2.5	Pass
				0	12.00	-17.332	-0.0091	-2.5 to 2.5	Pass
				10	12.00	-18.233	-0.0096	-2.5 to 2.5	Pass
				30	12.00	-18.742	-0.0098	-2.5 to 2.5	Pass
				40	12.00	-19.102	-0.0100	-2.5 to 2.5	Pass
				50	12.00	-19.335	-0.0101	-2.5 to 2.5	Pass
65				12.00	-19.240	-0.0101	-2.5 to 2.5	Pass	

3.3 B2_5MHz

3.3.1 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	9.00	3.007	0.0016	-2.5 to 2.5	Pass
					12.00	-7.197	-0.0039	-2.5 to 2.5	Pass

					30.00	-6.530	-0.0035	-2.5 to 2.5	Pass
				-20	12.00	-3.944	-0.0021	-2.5 to 2.5	Pass
				-10	12.00	-3.432	-0.0019	-2.5 to 2.5	Pass
				0	12.00	-13.953	-0.0075	-2.5 to 2.5	Pass
				10	12.00	-8.395	-0.0045	-2.5 to 2.5	Pass
				30	12.00	4.788	0.0026	-2.5 to 2.5	Pass
				40	12.00	13.529	0.0073	-2.5 to 2.5	Pass
				50	12.00	17.990	0.0097	-2.5 to 2.5	Pass
				65	12.00	20.390	0.0110	-2.5 to 2.5	Pass
	1880	25	0	20	9.00	-7.228	-0.0038	-2.5 to 2.5	Pass
					12.00	-9.272	-0.0049	-2.5 to 2.5	Pass
					30.00	-9.304	-0.0049	-2.5 to 2.5	Pass
				-20	12.00	-9.955	-0.0053	-2.5 to 2.5	Pass
				-10	12.00	-10.080	-0.0054	-2.5 to 2.5	Pass
				0	12.00	-10.869	-0.0058	-2.5 to 2.5	Pass
				10	12.00	-10.699	-0.0057	-2.5 to 2.5	Pass
				30	12.00	-11.748	-0.0062	-2.5 to 2.5	Pass
				40	12.00	-12.496	-0.0066	-2.5 to 2.5	Pass
				50	12.00	-13.146	-0.0070	-2.5 to 2.5	Pass
				65	12.00	-13.590	-0.0072	-2.5 to 2.5	Pass
	1907.5	25	0	20	9.00	-6.883	-0.0036	-2.5 to 2.5	Pass
					12.00	-9.800	-0.0051	-2.5 to 2.5	Pass
					30.00	-8.644	-0.0045	-2.5 to 2.5	Pass
				-20	12.00	-8.392	-0.0044	-2.5 to 2.5	Pass
				-10	12.00	-7.447	-0.0039	-2.5 to 2.5	Pass
				0	12.00	-8.081	-0.0042	-2.5 to 2.5	Pass
				10	12.00	-8.619	-0.0045	-2.5 to 2.5	Pass
				30	12.00	-8.591	-0.0045	-2.5 to 2.5	Pass
				40	12.00	-9.642	-0.0051	-2.5 to 2.5	Pass
				50	12.00	-9.449	-0.0050	-2.5 to 2.5	Pass
				65	12.00	-9.569	-0.0050	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	9.00	21.472	0.0116	-2.5 to 2.5	Pass
					12.00	22.451	0.0121	-2.5 to 2.5	Pass
					30.00	21.066	0.0114	-2.5 to 2.5	Pass
				-20	12.00	20.884	0.0113	-2.5 to 2.5	Pass
				-10	12.00	20.156	0.0109	-2.5 to 2.5	Pass
				0	12.00	20.037	0.0108	-2.5 to 2.5	Pass
				10	12.00	19.641	0.0106	-2.5 to 2.5	Pass
				30	12.00	19.342	0.0104	-2.5 to 2.5	Pass
				40	12.00	18.659	0.0101	-2.5 to 2.5	Pass
				50	12.00	18.989	0.0103	-2.5 to 2.5	Pass
				65	12.00	17.553	0.0095	-2.5 to 2.5	Pass
	1880	25	0	20	9.00	-15.686	-0.0083	-2.5 to 2.5	Pass
					12.00	-15.170	-0.0081	-2.5 to 2.5	Pass
					30.00	-16.395	-0.0087	-2.5 to 2.5	Pass
				-20	12.00	-17.382	-0.0092	-2.5 to 2.5	Pass
				-10	12.00	-18.252	-0.0097	-2.5 to 2.5	Pass
				0	12.00	-18.747	-0.0100	-2.5 to 2.5	Pass
				10	12.00	-19.511	-0.0104	-2.5 to 2.5	Pass
				30	12.00	-19.343	-0.0103	-2.5 to 2.5	Pass
				40	12.00	-19.883	-0.0106	-2.5 to 2.5	Pass
				50	12.00	-19.798	-0.0105	-2.5 to 2.5	Pass
				65	12.00	-20.952	-0.0111	-2.5 to 2.5	Pass
	1907.5	25	0	20	9.00	-10.889	-0.0057	-2.5 to 2.5	Pass
					12.00	-11.377	-0.0060	-2.5 to 2.5	Pass
					30.00	-12.596	-0.0066	-2.5 to 2.5	Pass
				-20	12.00	-14.287	-0.0075	-2.5 to 2.5	Pass

				-10	12.00	-14.113	-0.0074	-2.5 to 2.5	Pass
				0	12.00	-14.437	-0.0076	-2.5 to 2.5	Pass
				10	12.00	-15.219	-0.0080	-2.5 to 2.5	Pass
				30	12.00	-15.948	-0.0084	-2.5 to 2.5	Pass
				40	12.00	-15.943	-0.0084	-2.5 to 2.5	Pass
				50	12.00	-16.372	-0.0086	-2.5 to 2.5	Pass
				65	12.00	-17.059	-0.0089	-2.5 to 2.5	Pass

3.4 B2_10MHz

3.4.1 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	9.00	-4.840	-0.0026	-2.5 to 2.5	Pass
					12.00	-13.442	-0.0072	-2.5 to 2.5	Pass
					30.00	-12.687	-0.0068	-2.5 to 2.5	Pass
				-20	12.00	-10.482	-0.0057	-2.5 to 2.5	Pass
				-10	12.00	-10.485	-0.0057	-2.5 to 2.5	Pass
				0	12.00	-9.975	-0.0054	-2.5 to 2.5	Pass
				10	12.00	-10.478	-0.0056	-2.5 to 2.5	Pass
				30	12.00	-11.756	-0.0063	-2.5 to 2.5	Pass
				40	12.00	-12.821	-0.0069	-2.5 to 2.5	Pass
				50	12.00	-13.180	-0.0071	-2.5 to 2.5	Pass
				65	12.00	-14.399	-0.0078	-2.5 to 2.5	Pass
	1880	50	0	20	9.00	-10.711	-0.0057	-2.5 to 2.5	Pass
					12.00	-2.873	-0.0015	-2.5 to 2.5	Pass
					30.00	-2.509	-0.0013	-2.5 to 2.5	Pass
				-20	12.00	6.350	0.0034	-2.5 to 2.5	Pass
				-10	12.00	11.156	0.0059	-2.5 to 2.5	Pass
				0	12.00	13.898	0.0074	-2.5 to 2.5	Pass
				10	12.00	16.056	0.0085	-2.5 to 2.5	Pass
				30	12.00	16.440	0.0087	-2.5 to 2.5	Pass
				40	12.00	15.258	0.0081	-2.5 to 2.5	Pass
				50	12.00	15.615	0.0083	-2.5 to 2.5	Pass
				65	12.00	14.743	0.0078	-2.5 to 2.5	Pass
	1905	50	0	20	9.00	-9.899	-0.0052	-2.5 to 2.5	Pass
					12.00	-10.973	-0.0058	-2.5 to 2.5	Pass
					30.00	-10.884	-0.0057	-2.5 to 2.5	Pass
				-20	12.00	-10.383	-0.0055	-2.5 to 2.5	Pass
				-10	12.00	-11.390	-0.0060	-2.5 to 2.5	Pass
				0	12.00	-10.685	-0.0056	-2.5 to 2.5	Pass
				10	12.00	-10.650	-0.0056	-2.5 to 2.5	Pass
				30	12.00	-11.723	-0.0062	-2.5 to 2.5	Pass
				40	12.00	-12.078	-0.0063	-2.5 to 2.5	Pass
				50	12.00	-12.220	-0.0064	-2.5 to 2.5	Pass
				65	12.00	-12.986	-0.0068	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	9.00	-15.135	-0.0082	-2.5 to 2.5	Pass
					12.00	-15.692	-0.0085	-2.5 to 2.5	Pass
					30.00	-17.571	-0.0095	-2.5 to 2.5	Pass
				-20	12.00	-19.173	-0.0103	-2.5 to 2.5	Pass
				-10	12.00	-19.969	-0.0108	-2.5 to 2.5	Pass
				0	12.00	-21.650	-0.0117	-2.5 to 2.5	Pass
				10	12.00	-22.059	-0.0119	-2.5 to 2.5	Pass

				30	12.00	-22.955	-0.0124	-2.5 to 2.5	Pass
				40	12.00	-23.618	-0.0127	-2.5 to 2.5	Pass
				50	12.00	-24.128	-0.0130	-2.5 to 2.5	Pass
				65	12.00	-24.231	-0.0131	-2.5 to 2.5	Pass
	1880	50	0	20	9.00	14.776	0.0079	-2.5 to 2.5	Pass
					12.00	15.452	0.0082	-2.5 to 2.5	Pass
					30.00	14.277	0.0076	-2.5 to 2.5	Pass
				-20	12.00	14.672	0.0078	-2.5 to 2.5	Pass
				-10	12.00	14.069	0.0075	-2.5 to 2.5	Pass
				0	12.00	12.364	0.0066	-2.5 to 2.5	Pass
				10	12.00	11.767	0.0063	-2.5 to 2.5	Pass
				30	12.00	11.293	0.0060	-2.5 to 2.5	Pass
				40	12.00	12.377	0.0066	-2.5 to 2.5	Pass
				50	12.00	11.404	0.0061	-2.5 to 2.5	Pass
				65	12.00	11.763	0.0063	-2.5 to 2.5	Pass
	1905	50	0	20	9.00	-12.496	-0.0066	-2.5 to 2.5	Pass
					12.00	-12.363	-0.0065	-2.5 to 2.5	Pass
					30.00	-12.886	-0.0068	-2.5 to 2.5	Pass
				-20	12.00	-14.952	-0.0078	-2.5 to 2.5	Pass
				-10	12.00	-15.170	-0.0080	-2.5 to 2.5	Pass
				0	12.00	-15.884	-0.0083	-2.5 to 2.5	Pass
				10	12.00	-16.304	-0.0086	-2.5 to 2.5	Pass
				30	12.00	-17.226	-0.0090	-2.5 to 2.5	Pass
				40	12.00	-16.131	-0.0085	-2.5 to 2.5	Pass
				50	12.00	-17.029	-0.0089	-2.5 to 2.5	Pass
				65	12.00	-17.295	-0.0091	-2.5 to 2.5	Pass

3.5 B2_15MHz

3.5.1 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	9.00	3.996	0.0022	-2.5 to 2.5	Pass
					12.00	-5.096	-0.0027	-2.5 to 2.5	Pass
					30.00	-4.037	-0.0022	-2.5 to 2.5	Pass
				-20	12.00	-1.858	-0.0010	-2.5 to 2.5	Pass
				-10	12.00	-0.730	-0.0004	-2.5 to 2.5	Pass
				0	12.00	-1.316	-0.0007	-2.5 to 2.5	Pass
				10	12.00	-1.360	-0.0007	-2.5 to 2.5	Pass
				30	12.00	-1.876	-0.0010	-2.5 to 2.5	Pass
				40	12.00	-3.956	-0.0021	-2.5 to 2.5	Pass
				50	12.00	-3.942	-0.0021	-2.5 to 2.5	Pass
				65	12.00	-3.970	-0.0021	-2.5 to 2.5	Pass
	1880	75	0	20	9.00	-8.826	-0.0047	-2.5 to 2.5	Pass
					12.00	-8.894	-0.0047	-2.5 to 2.5	Pass
					30.00	-10.475	-0.0056	-2.5 to 2.5	Pass
				-20	12.00	-10.616	-0.0056	-2.5 to 2.5	Pass
				-10	12.00	-11.230	-0.0060	-2.5 to 2.5	Pass
				0	12.00	-10.636	-0.0057	-2.5 to 2.5	Pass
				10	12.00	-10.793	-0.0057	-2.5 to 2.5	Pass
				30	12.00	-11.101	-0.0059	-2.5 to 2.5	Pass
				40	12.00	-12.096	-0.0064	-2.5 to 2.5	Pass
				50	12.00	-13.026	-0.0069	-2.5 to 2.5	Pass

				65	12.00	9.212	0.0049	-2.5 to 2.5	Pass
	1902.5	75	0	20	9.00	-7.543	-0.0040	-2.5 to 2.5	Pass
					12.00	-13.805	-0.0073	-2.5 to 2.5	Pass
					30.00	-17.829	-0.0094	-2.5 to 2.5	Pass
					-20	12.00	-19.169	-0.0101	-2.5 to 2.5
				-10	12.00	-24.099	-0.0127	-2.5 to 2.5	Pass
				0	12.00	-23.606	-0.0124	-2.5 to 2.5	Pass
				10	12.00	-13.611	-0.0072	-2.5 to 2.5	Pass
				30	12.00	-7.309	-0.0038	-2.5 to 2.5	Pass
				40	12.00	-4.733	-0.0025	-2.5 to 2.5	Pass
				50	12.00	-3.705	-0.0019	-2.5 to 2.5	Pass
				65	12.00	-3.279	-0.0017	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	9.00	-5.539	-0.0030	-2.5 to 2.5	Pass
					12.00	-5.139	-0.0028	-2.5 to 2.5	Pass
					30.00	-6.162	-0.0033	-2.5 to 2.5	Pass
				-20	12.00	-7.695	-0.0041	-2.5 to 2.5	Pass
				-10	12.00	-8.742	-0.0047	-2.5 to 2.5	Pass
				0	12.00	-8.837	-0.0048	-2.5 to 2.5	Pass
				10	12.00	-10.334	-0.0056	-2.5 to 2.5	Pass
				30	12.00	-11.355	-0.0061	-2.5 to 2.5	Pass
				40	12.00	-11.535	-0.0062	-2.5 to 2.5	Pass
				50	12.00	-11.670	-0.0063	-2.5 to 2.5	Pass
				65	12.00	-12.326	-0.0066	-2.5 to 2.5	Pass
	1880	75	0	20	9.00	9.081	0.0048	-2.5 to 2.5	Pass
					12.00	18.558	0.0099	-2.5 to 2.5	Pass
					30.00	23.326	0.0124	-2.5 to 2.5	Pass
				-20	12.00	25.524	0.0136	-2.5 to 2.5	Pass
				-10	12.00	26.309	0.0140	-2.5 to 2.5	Pass
				0	12.00	26.300	0.0140	-2.5 to 2.5	Pass
				10	12.00	27.290	0.0145	-2.5 to 2.5	Pass
				30	12.00	26.886	0.0143	-2.5 to 2.5	Pass
				40	12.00	26.295	0.0140	-2.5 to 2.5	Pass
				50	12.00	26.239	0.0140	-2.5 to 2.5	Pass
				65	12.00	25.790	0.0137	-2.5 to 2.5	Pass
	1902.5	75	0	20	9.00	-3.393	-0.0018	-2.5 to 2.5	Pass
					12.00	-3.418	-0.0018	-2.5 to 2.5	Pass
					30.00	-3.799	-0.0020	-2.5 to 2.5	Pass
				-20	12.00	-5.182	-0.0027	-2.5 to 2.5	Pass
				-10	12.00	-5.022	-0.0026	-2.5 to 2.5	Pass
				0	12.00	-6.115	-0.0032	-2.5 to 2.5	Pass
				10	12.00	-6.601	-0.0035	-2.5 to 2.5	Pass
				30	12.00	-6.743	-0.0035	-2.5 to 2.5	Pass
				40	12.00	-6.916	-0.0036	-2.5 to 2.5	Pass
				50	12.00	-7.334	-0.0039	-2.5 to 2.5	Pass
65				12.00	-7.327	-0.0039	-2.5 to 2.5	Pass	

3.6 B2_20MHz

3.6.1 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	9.00	-1.396	-0.0008	-2.5 to 2.5	Pass
					12.00	-12.149	-0.0065	-2.5 to 2.5	Pass

					30.00	-11.370	-0.0061	-2.5 to 2.5	Pass
				-20	12.00	-8.134	-0.0044	-2.5 to 2.5	Pass
				-10	12.00	-8.097	-0.0044	-2.5 to 2.5	Pass
				0	12.00	-7.683	-0.0041	-2.5 to 2.5	Pass
				10	12.00	-7.940	-0.0043	-2.5 to 2.5	Pass
				30	12.00	-8.428	-0.0045	-2.5 to 2.5	Pass
				40	12.00	-9.972	-0.0054	-2.5 to 2.5	Pass
				50	12.00	-10.228	-0.0055	-2.5 to 2.5	Pass
	1880	100	0	65	12.00	-10.563	-0.0057	-2.5 to 2.5	Pass
				20	9.00	-14.562	-0.0077	-2.5 to 2.5	Pass
					12.00	-15.294	-0.0081	-2.5 to 2.5	Pass
					30.00	-15.733	-0.0084	-2.5 to 2.5	Pass
				-20	12.00	-16.394	-0.0087	-2.5 to 2.5	Pass
				-10	12.00	-16.094	-0.0086	-2.5 to 2.5	Pass
				0	12.00	-17.041	-0.0091	-2.5 to 2.5	Pass
				10	12.00	-16.541	-0.0088	-2.5 to 2.5	Pass
	1900	100	0	30	12.00	-16.328	-0.0087	-2.5 to 2.5	Pass
				40	12.00	-16.817	-0.0089	-2.5 to 2.5	Pass
				50	12.00	-17.494	-0.0093	-2.5 to 2.5	Pass
				65	12.00	-18.677	-0.0099	-2.5 to 2.5	Pass
				20	9.00	-3.552	-0.0019	-2.5 to 2.5	Pass
					12.00	-4.968	-0.0026	-2.5 to 2.5	Pass
					30.00	-3.825	-0.0020	-2.5 to 2.5	Pass
				-20	12.00	-3.521	-0.0019	-2.5 to 2.5	Pass
16QAM	1860	100	0	-10	12.00	-3.308	-0.0017	-2.5 to 2.5	Pass
				0	12.00	-4.557	-0.0024	-2.5 to 2.5	Pass
				10	12.00	-4.963	-0.0026	-2.5 to 2.5	Pass
				30	12.00	-4.895	-0.0026	-2.5 to 2.5	Pass
				40	12.00	-4.071	-0.0021	-2.5 to 2.5	Pass
				50	12.00	-4.550	-0.0024	-2.5 to 2.5	Pass
				65	12.00	-6.009	-0.0032	-2.5 to 2.5	Pass
				20	9.00	-11.957	-0.0064	-2.5 to 2.5	Pass
					12.00	-11.738	-0.0063	-2.5 to 2.5	Pass
					30.00	-12.633	-0.0068	-2.5 to 2.5	Pass
				-20	12.00	-13.616	-0.0073	-2.5 to 2.5	Pass
				-10	12.00	-15.084	-0.0081	-2.5 to 2.5	Pass
				0	12.00	-14.982	-0.0081	-2.5 to 2.5	Pass
				10	12.00	-16.140	-0.0087	-2.5 to 2.5	Pass
				30	12.00	-16.354	-0.0088	-2.5 to 2.5	Pass
	1880	100	0	40	12.00	-17.506	-0.0094	-2.5 to 2.5	Pass
				50	12.00	-18.166	-0.0098	-2.5 to 2.5	Pass
				65	12.00	-18.784	-0.0101	-2.5 to 2.5	Pass
				20	9.00	-19.323	-0.0103	-2.5 to 2.5	Pass
					12.00	-19.893	-0.0106	-2.5 to 2.5	Pass
					30.00	-20.867	-0.0111	-2.5 to 2.5	Pass
				-20	12.00	-20.985	-0.0112	-2.5 to 2.5	Pass
				-10	12.00	-21.279	-0.0113	-2.5 to 2.5	Pass
	1900	100	0	0	12.00	-21.477	-0.0114	-2.5 to 2.5	Pass
				10	12.00	4.358	0.0023	-2.5 to 2.5	Pass
				30	12.00	-1.834	-0.0010	-2.5 to 2.5	Pass
				40	12.00	5.995	0.0032	-2.5 to 2.5	Pass
				50	12.00	11.471	0.0061	-2.5 to 2.5	Pass
				65	12.00	13.678	0.0073	-2.5 to 2.5	Pass
				20	9.00	-6.376	-0.0034	-2.5 to 2.5	Pass
					12.00	-6.566	-0.0035	-2.5 to 2.5	Pass
					30.00	-6.617	-0.0035	-2.5 to 2.5	Pass
				-20	12.00	-7.524	-0.0040	-2.5 to 2.5	Pass

				-10	12.00	-8.631	-0.0045	-2.5 to 2.5	Pass
				0	12.00	-9.211	-0.0048	-2.5 to 2.5	Pass
				10	12.00	-8.701	-0.0046	-2.5 to 2.5	Pass
				30	12.00	-9.662	-0.0051	-2.5 to 2.5	Pass
				40	12.00	-10.924	-0.0057	-2.5 to 2.5	Pass
				50	12.00	-11.351	-0.0060	-2.5 to 2.5	Pass
				65	12.00	-10.951	-0.0058	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B38_5MHz

4.1.1 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	9.00	5.676	0.0022	-2.5 to 2.5	Pass
					12.00	-4.660	-0.0018	-2.5 to 2.5	Pass
					30.00	-5.669	-0.0022	-2.5 to 2.5	Pass
				-20	12.00	-5.250	-0.0020	-2.5 to 2.5	Pass
				-10	12.00	-6.992	-0.0027	-2.5 to 2.5	Pass
				0	12.00	-5.771	-0.0022	-2.5 to 2.5	Pass
				10	12.00	-5.844	-0.0023	-2.5 to 2.5	Pass
				30	12.00	-6.156	-0.0024	-2.5 to 2.5	Pass
				40	12.00	-7.448	-0.0029	-2.5 to 2.5	Pass
				50	12.00	-6.528	-0.0025	-2.5 to 2.5	Pass
				65	12.00	-7.960	-0.0031	-2.5 to 2.5	Pass
	2595	25	0	20	9.00	3.418	0.0013	-2.5 to 2.5	Pass
					12.00	2.666	0.0010	-2.5 to 2.5	Pass
					30.00	7.834	0.0030	-2.5 to 2.5	Pass
				-20	12.00	9.399	0.0036	-2.5 to 2.5	Pass
				-10	12.00	10.776	0.0042	-2.5 to 2.5	Pass
				0	12.00	7.398	0.0029	-2.5 to 2.5	Pass
				10	12.00	7.395	0.0028	-2.5 to 2.5	Pass
				30	12.00	6.309	0.0024	-2.5 to 2.5	Pass
				40	12.00	10.756	0.0041	-2.5 to 2.5	Pass
				50	12.00	6.846	0.0026	-2.5 to 2.5	Pass
				65	12.00	5.823	0.0022	-2.5 to 2.5	Pass
	2617.5	25	0	20	9.00	2.152	0.0008	-2.5 to 2.5	Pass
					12.00	1.647	0.0006	-2.5 to 2.5	Pass
					30.00	6.035	0.0023	-2.5 to 2.5	Pass
				-20	12.00	7.937	0.0030	-2.5 to 2.5	Pass
				-10	12.00	9.994	0.0038	-2.5 to 2.5	Pass
				0	12.00	9.314	0.0036	-2.5 to 2.5	Pass
				10	12.00	8.166	0.0031	-2.5 to 2.5	Pass
				30	12.00	8.797	0.0034	-2.5 to 2.5	Pass
				40	12.00	7.646	0.0029	-2.5 to 2.5	Pass
				50	12.00	7.827	0.0030	-2.5 to 2.5	Pass
				65	12.00	6.888	0.0026	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	9.00	-6.746	-0.0026	-2.5 to 2.5	Pass
					12.00	-6.656	-0.0026	-2.5 to 2.5	Pass
					30.00	-9.228	-0.0036	-2.5 to 2.5	Pass
				-20	12.00	-10.306	-0.0040	-2.5 to 2.5	Pass

				-10	12.00	-11.168	-0.0043	-2.5 to 2.5	Pass
				0	12.00	-12.176	-0.0047	-2.5 to 2.5	Pass
				10	12.00	-10.797	-0.0042	-2.5 to 2.5	Pass
				30	12.00	-9.970	-0.0039	-2.5 to 2.5	Pass
				40	12.00	-11.121	-0.0043	-2.5 to 2.5	Pass
				50	12.00	-12.169	-0.0047	-2.5 to 2.5	Pass
				65	12.00	-12.406	-0.0048	-2.5 to 2.5	Pass
	2595	25	0	20	9.00	10.368	0.0040	-2.5 to 2.5	Pass
					12.00	11.123	0.0043	-2.5 to 2.5	Pass
					30.00	4.025	0.0016	-2.5 to 2.5	Pass
				-20	12.00	2.965	0.0011	-2.5 to 2.5	Pass
				-10	12.00	6.242	0.0024	-2.5 to 2.5	Pass
				0	12.00	6.220	0.0024	-2.5 to 2.5	Pass
				10	12.00	2.328	0.0009	-2.5 to 2.5	Pass
				30	12.00	1.280	0.0005	-2.5 to 2.5	Pass
				40	12.00	7.279	0.0028	-2.5 to 2.5	Pass
				50	12.00	2.573	0.0010	-2.5 to 2.5	Pass
				65	12.00	7.159	0.0028	-2.5 to 2.5	Pass
	2617.5	25	0	20	9.00	16.508	0.0063	-2.5 to 2.5	Pass
					12.00	15.636	0.0060	-2.5 to 2.5	Pass
					30.00	14.790	0.0057	-2.5 to 2.5	Pass
				-20	12.00	2.614	0.0010	-2.5 to 2.5	Pass
				-10	12.00	2.722	0.0010	-2.5 to 2.5	Pass
				0	12.00	0.434	0.0002	-2.5 to 2.5	Pass
				10	12.00	0.887	0.0003	-2.5 to 2.5	Pass
				30	12.00	8.333	0.0032	-2.5 to 2.5	Pass
				40	12.00	0.031	0.0000	-2.5 to 2.5	Pass
				50	12.00	-0.807	-0.0003	-2.5 to 2.5	Pass
				65	12.00	5.345	0.0020	-2.5 to 2.5	Pass

4.2 B38_10MHz

4.2.1 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	9.00	10.103	0.0039	-2.5 to 2.5	Pass
					12.00	-7.285	-0.0028	-2.5 to 2.5	Pass
					30.00	-4.104	-0.0016	-2.5 to 2.5	Pass
				-20	12.00	-4.628	-0.0018	-2.5 to 2.5	Pass
				-10	12.00	-1.698	-0.0007	-2.5 to 2.5	Pass
				0	12.00	-2.070	-0.0008	-2.5 to 2.5	Pass
				10	12.00	-1.718	-0.0007	-2.5 to 2.5	Pass
				30	12.00	-4.699	-0.0018	-2.5 to 2.5	Pass
				40	12.00	-2.960	-0.0011	-2.5 to 2.5	Pass
				50	12.00	-5.533	-0.0021	-2.5 to 2.5	Pass
				65	12.00	-2.323	-0.0009	-2.5 to 2.5	Pass
	2595	50	0	20	9.00	-14.111	-0.0054	-2.5 to 2.5	Pass
					12.00	-16.548	-0.0064	-2.5 to 2.5	Pass
					30.00	-6.912	-0.0027	-2.5 to 2.5	Pass
				-20	12.00	-9.302	-0.0036	-2.5 to 2.5	Pass
				-10	12.00	-8.772	-0.0034	-2.5 to 2.5	Pass
				0	12.00	-2.543	-0.0010	-2.5 to 2.5	Pass
				10	12.00	-4.080	-0.0016	-2.5 to 2.5	Pass

				30	12.00	-2.088	-0.0008	-2.5 to 2.5	Pass
				40	12.00	-7.523	-0.0029	-2.5 to 2.5	Pass
				50	12.00	-9.064	-0.0035	-2.5 to 2.5	Pass
				65	12.00	-5.077	-0.0020	-2.5 to 2.5	Pass
	2615	50	0	20	9.00	27.682	0.0106	-2.5 to 2.5	Pass
					12.00	23.312	0.0089	-2.5 to 2.5	Pass
					30.00	25.869	0.0099	-2.5 to 2.5	Pass
				-20	12.00	28.121	0.0108	-2.5 to 2.5	Pass
				-10	12.00	31.073	0.0119	-2.5 to 2.5	Pass
				0	12.00	31.783	0.0122	-2.5 to 2.5	Pass
				10	12.00	29.151	0.0111	-2.5 to 2.5	Pass
				30	12.00	32.426	0.0124	-2.5 to 2.5	Pass
				40	12.00	31.932	0.0122	-2.5 to 2.5	Pass
				50	12.00	33.300	0.0127	-2.5 to 2.5	Pass
				65	12.00	34.001	0.0130	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	9.00	-3.641	-0.0014	-2.5 to 2.5	Pass
					12.00	-1.609	-0.0006	-2.5 to 2.5	Pass
					30.00	-4.736	-0.0018	-2.5 to 2.5	Pass
				-20	12.00	-6.721	-0.0026	-2.5 to 2.5	Pass
				-10	12.00	-6.922	-0.0027	-2.5 to 2.5	Pass
				0	12.00	-8.165	-0.0032	-2.5 to 2.5	Pass
				10	12.00	-6.290	-0.0024	-2.5 to 2.5	Pass
				30	12.00	-6.792	-0.0026	-2.5 to 2.5	Pass
				40	12.00	-7.264	-0.0028	-2.5 to 2.5	Pass
				50	12.00	-7.213	-0.0028	-2.5 to 2.5	Pass
				65	12.00	-7.471	-0.0029	-2.5 to 2.5	Pass
	2595	50	0	20	9.00	-5.595	-0.0022	-2.5 to 2.5	Pass
					12.00	-5.307	-0.0020	-2.5 to 2.5	Pass
					30.00	-6.857	-0.0026	-2.5 to 2.5	Pass
				-20	12.00	-11.490	-0.0044	-2.5 to 2.5	Pass
				-10	12.00	-9.442	-0.0036	-2.5 to 2.5	Pass
				0	12.00	-12.713	-0.0049	-2.5 to 2.5	Pass
				10	12.00	-10.452	-0.0040	-2.5 to 2.5	Pass
				30	12.00	-13.645	-0.0053	-2.5 to 2.5	Pass
				40	12.00	-9.920	-0.0038	-2.5 to 2.5	Pass
				50	12.00	-9.908	-0.0038	-2.5 to 2.5	Pass
				65	12.00	-14.193	-0.0055	-2.5 to 2.5	Pass
	2615	50	0	20	9.00	38.700	0.0148	-2.5 to 2.5	Pass
					12.00	34.247	0.0131	-2.5 to 2.5	Pass
					30.00	36.706	0.0140	-2.5 to 2.5	Pass
				-20	12.00	27.851	0.0107	-2.5 to 2.5	Pass
				-10	12.00	40.280	0.0154	-2.5 to 2.5	Pass
				0	12.00	27.857	0.0107	-2.5 to 2.5	Pass
				10	12.00	26.652	0.0102	-2.5 to 2.5	Pass
				30	12.00	27.752	0.0106	-2.5 to 2.5	Pass
				40	12.00	37.192	0.0142	-2.5 to 2.5	Pass
				50	12.00	27.273	0.0104	-2.5 to 2.5	Pass
				65	12.00	26.228	0.0100	-2.5 to 2.5	Pass

4.3 B38_15MHz

4.3.1 Test Result

Band: 38 / Bandwidth: 15MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	2577.5	75	0	20	9.00	5.693	0.0022	-2.5 to 2.5	Pass
					12.00	-3.462	-0.0013	-2.5 to 2.5	Pass
					30.00	-4.179	-0.0016	-2.5 to 2.5	Pass
				-20	12.00	-3.712	-0.0014	-2.5 to 2.5	Pass
				-10	12.00	-3.944	-0.0015	-2.5 to 2.5	Pass
				0	12.00	-3.616	-0.0014	-2.5 to 2.5	Pass
				10	12.00	-2.470	-0.0010	-2.5 to 2.5	Pass
				30	12.00	-4.460	-0.0017	-2.5 to 2.5	Pass
				40	12.00	-5.042	-0.0020	-2.5 to 2.5	Pass
				50	12.00	-5.057	-0.0020	-2.5 to 2.5	Pass
				65	12.00	-3.189	-0.0012	-2.5 to 2.5	Pass
	2595	75	0	20	9.00	19.788	0.0076	-2.5 to 2.5	Pass
					12.00	17.477	0.0067	-2.5 to 2.5	Pass
					30.00	19.938	0.0077	-2.5 to 2.5	Pass
				-20	12.00	27.314	0.0105	-2.5 to 2.5	Pass
				-10	12.00	25.846	0.0100	-2.5 to 2.5	Pass
				0	12.00	23.533	0.0091	-2.5 to 2.5	Pass
				10	12.00	24.296	0.0094	-2.5 to 2.5	Pass
				30	12.00	26.882	0.0104	-2.5 to 2.5	Pass
				40	12.00	23.730	0.0091	-2.5 to 2.5	Pass
				50	12.00	27.803	0.0107	-2.5 to 2.5	Pass
				65	12.00	23.935	0.0092	-2.5 to 2.5	Pass
	2612.5	75	0	20	9.00	24.034	0.0092	-2.5 to 2.5	Pass
					12.00	19.337	0.0074	-2.5 to 2.5	Pass
					30.00	28.696	0.0110	-2.5 to 2.5	Pass
				-20	12.00	24.861	0.0095	-2.5 to 2.5	Pass
				-10	12.00	29.096	0.0111	-2.5 to 2.5	Pass
				0	12.00	22.468	0.0086	-2.5 to 2.5	Pass
				10	12.00	24.601	0.0094	-2.5 to 2.5	Pass
				30	12.00	22.496	0.0086	-2.5 to 2.5	Pass
				40	12.00	27.255	0.0104	-2.5 to 2.5	Pass
				50	12.00	26.440	0.0101	-2.5 to 2.5	Pass
				65	12.00	25.736	0.0099	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	9.00	-2.362	-0.0009	-2.5 to 2.5	Pass
					12.00	-1.774	-0.0007	-2.5 to 2.5	Pass
					30.00	-6.246	-0.0024	-2.5 to 2.5	Pass
				-20	12.00	-6.499	-0.0025	-2.5 to 2.5	Pass
				-10	12.00	-0.169	-0.0001	-2.5 to 2.5	Pass
				0	12.00	-5.257	-0.0020	-2.5 to 2.5	Pass
				10	12.00	-5.938	-0.0023	-2.5 to 2.5	Pass
				30	12.00	-6.179	-0.0024	-2.5 to 2.5	Pass
				40	12.00	-1.101	-0.0004	-2.5 to 2.5	Pass
				50	12.00	-4.382	-0.0017	-2.5 to 2.5	Pass
				65	12.00	-4.436	-0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	9.00	25.364	0.0098	-2.5 to 2.5	Pass
					12.00	25.983	0.0100	-2.5 to 2.5	Pass
					30.00	28.844	0.0111	-2.5 to 2.5	Pass
				-20	12.00	25.199	0.0097	-2.5 to 2.5	Pass
				-10	12.00	25.683	0.0099	-2.5 to 2.5	Pass
				0	12.00	23.224	0.0089	-2.5 to 2.5	Pass
				10	12.00	25.899	0.0100	-2.5 to 2.5	Pass
				30	12.00	26.096	0.0101	-2.5 to 2.5	Pass
				40	12.00	26.336	0.0101	-2.5 to 2.5	Pass
				50	12.00	26.669	0.0103	-2.5 to 2.5	Pass
				65	12.00	25.123	0.0097	-2.5 to 2.5	Pass
	2612.5	75	0	20	9.00	22.877	0.0088	-2.5 to 2.5	Pass

					12.00	19.976	0.0076	-2.5 to 2.5	Pass
					30.00	18.177	0.0070	-2.5 to 2.5	Pass
				-20	12.00	18.514	0.0071	-2.5 to 2.5	Pass
				-10	12.00	23.489	0.0090	-2.5 to 2.5	Pass
				0	12.00	17.630	0.0067	-2.5 to 2.5	Pass
				10	12.00	21.838	0.0084	-2.5 to 2.5	Pass
				30	12.00	22.743	0.0087	-2.5 to 2.5	Pass
				40	12.00	17.103	0.0065	-2.5 to 2.5	Pass
				50	12.00	22.387	0.0086	-2.5 to 2.5	Pass
				65	12.00	21.933	0.0084	-2.5 to 2.5	Pass

4.4 B38_20MHz

4.4.1 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	9.00	21.500	0.0083	-2.5 to 2.5	Pass
					12.00	8.657	0.0034	-2.5 to 2.5	Pass
					30.00	1.478	0.0006	-2.5 to 2.5	Pass
				-20	12.00	12.732	0.0049	-2.5 to 2.5	Pass
				-10	12.00	13.091	0.0051	-2.5 to 2.5	Pass
				0	12.00	14.136	0.0055	-2.5 to 2.5	Pass
				10	12.00	14.046	0.0054	-2.5 to 2.5	Pass
				30	12.00	13.649	0.0053	-2.5 to 2.5	Pass
				40	12.00	14.279	0.0055	-2.5 to 2.5	Pass
				50	12.00	13.741	0.0053	-2.5 to 2.5	Pass
				65	12.00	4.315	0.0017	-2.5 to 2.5	Pass
	2595	100	0	20	9.00	7.667	0.0030	-2.5 to 2.5	Pass
					12.00	6.109	0.0024	-2.5 to 2.5	Pass
					30.00	12.315	0.0047	-2.5 to 2.5	Pass
				-20	12.00	10.331	0.0040	-2.5 to 2.5	Pass
				-10	12.00	14.580	0.0056	-2.5 to 2.5	Pass
				0	12.00	15.193	0.0059	-2.5 to 2.5	Pass
				10	12.00	12.419	0.0048	-2.5 to 2.5	Pass
				30	12.00	11.720	0.0045	-2.5 to 2.5	Pass
				40	12.00	14.635	0.0056	-2.5 to 2.5	Pass
				50	12.00	14.404	0.0056	-2.5 to 2.5	Pass
				65	12.00	15.295	0.0059	-2.5 to 2.5	Pass
	2610	100	0	20	9.00	21.287	0.0082	-2.5 to 2.5	Pass
					12.00	11.293	0.0043	-2.5 to 2.5	Pass
					30.00	17.765	0.0068	-2.5 to 2.5	Pass
				-20	12.00	25.137	0.0096	-2.5 to 2.5	Pass
				-10	12.00	21.404	0.0082	-2.5 to 2.5	Pass
				0	12.00	19.135	0.0073	-2.5 to 2.5	Pass
				10	12.00	18.278	0.0070	-2.5 to 2.5	Pass
				30	12.00	17.179	0.0066	-2.5 to 2.5	Pass
				40	12.00	23.943	0.0092	-2.5 to 2.5	Pass
				50	12.00	23.615	0.0090	-2.5 to 2.5	Pass
				65	12.00	16.590	0.0064	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	9.00	27.275	0.0106	-2.5 to 2.5	Pass
					12.00	15.709	0.0061	-2.5 to 2.5	Pass
					30.00	26.596	0.0103	-2.5 to 2.5	Pass
				-20	12.00	9.634	0.0037	-2.5 to 2.5	Pass

				-10	12.00	27.329	0.0106	-2.5 to 2.5	Pass
				0	12.00	13.469	0.0052	-2.5 to 2.5	Pass
				10	12.00	10.457	0.0041	-2.5 to 2.5	Pass
				30	12.00	14.049	0.0054	-2.5 to 2.5	Pass
				40	12.00	10.933	0.0042	-2.5 to 2.5	Pass
				50	12.00	12.059	0.0047	-2.5 to 2.5	Pass
				65	12.00	11.188	0.0043	-2.5 to 2.5	Pass
	2595	100	0	20	9.00	17.844	0.0069	-2.5 to 2.5	Pass
					12.00	14.836	0.0057	-2.5 to 2.5	Pass
					30.00	11.986	0.0046	-2.5 to 2.5	Pass
				-20	12.00	10.994	0.0042	-2.5 to 2.5	Pass
				-10	12.00	14.888	0.0057	-2.5 to 2.5	Pass
				0	12.00	10.586	0.0041	-2.5 to 2.5	Pass
				10	12.00	11.282	0.0043	-2.5 to 2.5	Pass
				30	12.00	14.102	0.0054	-2.5 to 2.5	Pass
				40	12.00	15.016	0.0058	-2.5 to 2.5	Pass
				50	12.00	11.442	0.0044	-2.5 to 2.5	Pass
				65	12.00	9.917	0.0038	-2.5 to 2.5	Pass
	2610	100	0	20	9.00	15.836	0.0061	-2.5 to 2.5	Pass
					12.00	21.703	0.0083	-2.5 to 2.5	Pass
					30.00	19.088	0.0073	-2.5 to 2.5	Pass
				-20	12.00	17.788	0.0068	-2.5 to 2.5	Pass
				-10	12.00	21.441	0.0082	-2.5 to 2.5	Pass
				0	12.00	16.758	0.0064	-2.5 to 2.5	Pass
				10	12.00	21.963	0.0084	-2.5 to 2.5	Pass
				30	12.00	17.917	0.0069	-2.5 to 2.5	Pass
				40	12.00	9.658	0.0037	-2.5 to 2.5	Pass
				50	12.00	11.962	0.0046	-2.5 to 2.5	Pass
				65	12.00	16.531	0.0063	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B4_1.4MHz

5.1.1 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	9.00	4.191	0.0024	-2.5 to 2.5	Pass
					12.00	-0.871	-0.0005	-2.5 to 2.5	Pass
					30.00	10.322	0.0060	-2.5 to 2.5	Pass
				-20	12.00	-3.906	-0.0023	-2.5 to 2.5	Pass
				-10	12.00	0.008	0.0000	-2.5 to 2.5	Pass
				0	12.00	11.089	0.0065	-2.5 to 2.5	Pass
				10	12.00	17.983	0.0105	-2.5 to 2.5	Pass
				30	12.00	19.551	0.0114	-2.5 to 2.5	Pass
				40	12.00	20.987	0.0123	-2.5 to 2.5	Pass
				50	12.00	20.675	0.0121	-2.5 to 2.5	Pass
				65	12.00	20.019	0.0117	-2.5 to 2.5	Pass
	1732.5	6	0	20	9.00	-0.788	-0.0005	-2.5 to 2.5	Pass
					12.00	-18.455	-0.0107	-2.5 to 2.5	Pass
					30.00	-16.953	-0.0098	-2.5 to 2.5	Pass
				-20	12.00	1.082	0.0006	-2.5 to 2.5	Pass

				-10	12.00	-9.443	-0.0055	-2.5 to 2.5	Pass
				0	12.00	2.003	0.0012	-2.5 to 2.5	Pass
				10	12.00	8.860	0.0051	-2.5 to 2.5	Pass
				30	12.00	11.104	0.0064	-2.5 to 2.5	Pass
				40	12.00	11.392	0.0066	-2.5 to 2.5	Pass
				50	12.00	11.941	0.0069	-2.5 to 2.5	Pass
	1754.3	6	0	65	12.00	11.788	0.0068	-2.5 to 2.5	Pass
				20	9.00	7.413	0.0042	-2.5 to 2.5	Pass
					12.00	-0.373	-0.0002	-2.5 to 2.5	Pass
					30.00	10.795	0.0062	-2.5 to 2.5	Pass
				-20	12.00	13.490	0.0077	-2.5 to 2.5	Pass
				-10	12.00	29.307	0.0167	-2.5 to 2.5	Pass
				0	12.00	17.452	0.0099	-2.5 to 2.5	Pass
				10	12.00	1.206	0.0007	-2.5 to 2.5	Pass
				30	12.00	13.848	0.0079	-2.5 to 2.5	Pass
				40	12.00	38.150	0.0217	-2.5 to 2.5	Pass
				50	12.00	-2.659	-0.0015	-2.5 to 2.5	Pass
				65	12.00	14.385	0.0082	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	9.00	19.916	0.0116	-2.5 to 2.5	Pass
					12.00	19.811	0.0116	-2.5 to 2.5	Pass
					30.00	18.160	0.0106	-2.5 to 2.5	Pass
				-20	12.00	17.078	0.0100	-2.5 to 2.5	Pass
				-10	12.00	17.107	0.0100	-2.5 to 2.5	Pass
				0	12.00	16.680	0.0098	-2.5 to 2.5	Pass
				10	12.00	16.592	0.0097	-2.5 to 2.5	Pass
				30	12.00	16.109	0.0094	-2.5 to 2.5	Pass
				40	12.00	14.437	0.0084	-2.5 to 2.5	Pass
				50	12.00	14.952	0.0087	-2.5 to 2.5	Pass
				65	12.00	14.266	0.0083	-2.5 to 2.5	Pass
	1732.5	6	0	20	9.00	11.260	0.0065	-2.5 to 2.5	Pass
					12.00	11.249	0.0065	-2.5 to 2.5	Pass
					30.00	10.280	0.0059	-2.5 to 2.5	Pass
				-20	12.00	8.971	0.0052	-2.5 to 2.5	Pass
				-10	12.00	8.865	0.0051	-2.5 to 2.5	Pass
				0	12.00	8.480	0.0049	-2.5 to 2.5	Pass
				10	12.00	7.951	0.0046	-2.5 to 2.5	Pass
				30	12.00	7.830	0.0045	-2.5 to 2.5	Pass
				40	12.00	7.474	0.0043	-2.5 to 2.5	Pass
				50	12.00	7.444	0.0043	-2.5 to 2.5	Pass
				65	12.00	8.015	0.0046	-2.5 to 2.5	Pass
	1754.3	6	0	20	9.00	39.574	0.0226	-2.5 to 2.5	Pass
					12.00	14.553	0.0083	-2.5 to 2.5	Pass
					30.00	17.940	0.0102	-2.5 to 2.5	Pass
				-20	12.00	19.785	0.0113	-2.5 to 2.5	Pass
				-10	12.00	21.758	0.0124	-2.5 to 2.5	Pass
				0	12.00	22.749	0.0130	-2.5 to 2.5	Pass
				10	12.00	23.876	0.0136	-2.5 to 2.5	Pass
				30	12.00	24.880	0.0142	-2.5 to 2.5	Pass
				40	12.00	25.287	0.0144	-2.5 to 2.5	Pass
				50	12.00	25.713	0.0147	-2.5 to 2.5	Pass
				65	12.00	26.637	0.0152	-2.5 to 2.5	Pass

5.2 B4_3MHz

5.2.1 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	9.00	3.073	0.0018	-2.5 to 2.5	Pass
					12.00	-7.105	-0.0042	-2.5 to 2.5	Pass
					30.00	2.052	0.0012	-2.5 to 2.5	Pass
				-20	12.00	6.661	0.0039	-2.5 to 2.5	Pass
				-10	12.00	8.898	0.0052	-2.5 to 2.5	Pass
				0	12.00	9.581	0.0056	-2.5 to 2.5	Pass
				10	12.00	9.872	0.0058	-2.5 to 2.5	Pass
				30	12.00	10.733	0.0063	-2.5 to 2.5	Pass
				40	12.00	11.125	0.0065	-2.5 to 2.5	Pass
				50	12.00	11.504	0.0067	-2.5 to 2.5	Pass
				65	12.00	11.833	0.0069	-2.5 to 2.5	Pass
	1732.5	15	0	20	9.00	9.162	0.0053	-2.5 to 2.5	Pass
					12.00	8.134	0.0047	-2.5 to 2.5	Pass
					30.00	7.666	0.0044	-2.5 to 2.5	Pass
				-20	12.00	7.558	0.0044	-2.5 to 2.5	Pass
				-10	12.00	7.047	0.0041	-2.5 to 2.5	Pass
				0	12.00	7.437	0.0043	-2.5 to 2.5	Pass
				10	12.00	6.768	0.0039	-2.5 to 2.5	Pass
				30	12.00	6.434	0.0037	-2.5 to 2.5	Pass
				40	12.00	6.326	0.0037	-2.5 to 2.5	Pass
				50	12.00	7.082	0.0041	-2.5 to 2.5	Pass
				65	12.00	5.860	0.0034	-2.5 to 2.5	Pass
	1753.5	15	0	20	9.00	-0.399	-0.0002	-2.5 to 2.5	Pass
					12.00	-2.073	-0.0012	-2.5 to 2.5	Pass
					30.00	0.995	0.0006	-2.5 to 2.5	Pass
				-20	12.00	2.093	0.0012	-2.5 to 2.5	Pass
				-10	12.00	2.824	0.0016	-2.5 to 2.5	Pass
				0	12.00	2.174	0.0012	-2.5 to 2.5	Pass
				10	12.00	1.862	0.0011	-2.5 to 2.5	Pass
				30	12.00	1.561	0.0009	-2.5 to 2.5	Pass
				40	12.00	0.756	0.0004	-2.5 to 2.5	Pass
				50	12.00	-0.342	-0.0002	-2.5 to 2.5	Pass
				65	12.00	-0.824	-0.0005	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	9.00	11.058	0.0065	-2.5 to 2.5	Pass
					12.00	11.310	0.0066	-2.5 to 2.5	Pass
					30.00	10.229	0.0060	-2.5 to 2.5	Pass
				-20	12.00	10.272	0.0060	-2.5 to 2.5	Pass
				-10	12.00	10.005	0.0058	-2.5 to 2.5	Pass
				0	12.00	10.548	0.0062	-2.5 to 2.5	Pass
				10	12.00	11.080	0.0065	-2.5 to 2.5	Pass
				30	12.00	11.151	0.0065	-2.5 to 2.5	Pass
				40	12.00	11.021	0.0064	-2.5 to 2.5	Pass
				50	12.00	11.255	0.0066	-2.5 to 2.5	Pass
				65	12.00	11.869	0.0069	-2.5 to 2.5	Pass
	1732.5	15	0	20	9.00	11.998	0.0069	-2.5 to 2.5	Pass
					12.00	16.506	0.0095	-2.5 to 2.5	Pass
					30.00	29.071	0.0168	-2.5 to 2.5	Pass
				-20	12.00	34.156	0.0197	-2.5 to 2.5	Pass
				-10	12.00	37.170	0.0215	-2.5 to 2.5	Pass
				0	12.00	38.248	0.0221	-2.5 to 2.5	Pass
				10	12.00	38.938	0.0225	-2.5 to 2.5	Pass
				30	12.00	39.784	0.0230	-2.5 to 2.5	Pass
				40	12.00	38.904	0.0225	-2.5 to 2.5	Pass
				50	12.00	38.942	0.0225	-2.5 to 2.5	Pass

	1753.5	15	0	65	12.00	38.391	0.0222	-2.5 to 2.5	Pass
				20	9.00	-0.892	-0.0005	-2.5 to 2.5	Pass
					12.00	-1.835	-0.0010	-2.5 to 2.5	Pass
					30.00	-3.869	-0.0022	-2.5 to 2.5	Pass
				-20	12.00	-4.231	-0.0024	-2.5 to 2.5	Pass
				-10	12.00	-5.290	-0.0030	-2.5 to 2.5	Pass
				0	12.00	-6.219	-0.0035	-2.5 to 2.5	Pass
				10	12.00	-7.031	-0.0040	-2.5 to 2.5	Pass
				30	12.00	-8.209	-0.0047	-2.5 to 2.5	Pass
				40	12.00	-8.311	-0.0047	-2.5 to 2.5	Pass
				50	12.00	-8.997	-0.0051	-2.5 to 2.5	Pass
				65	12.00	-9.650	-0.0055	-2.5 to 2.5	Pass

5.3 B4_5MHz

5.3.1 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	9.00	13.977	0.0082	-2.5 to 2.5	Pass
					12.00	2.861	0.0017	-2.5 to 2.5	Pass
					30.00	5.418	0.0032	-2.5 to 2.5	Pass
				-20	12.00	7.182	0.0042	-2.5 to 2.5	Pass
				-10	12.00	7.311	0.0043	-2.5 to 2.5	Pass
				0	12.00	6.857	0.0040	-2.5 to 2.5	Pass
				10	12.00	6.521	0.0038	-2.5 to 2.5	Pass
				30	12.00	5.402	0.0032	-2.5 to 2.5	Pass
				40	12.00	4.923	0.0029	-2.5 to 2.5	Pass
				50	12.00	3.152	0.0018	-2.5 to 2.5	Pass
				65	12.00	3.598	0.0021	-2.5 to 2.5	Pass
	1732.5	25	0	20	9.00	1.873	0.0011	-2.5 to 2.5	Pass
					12.00	0.124	0.0001	-2.5 to 2.5	Pass
					30.00	-0.430	-0.0002	-2.5 to 2.5	Pass
				-20	12.00	-1.006	-0.0006	-2.5 to 2.5	Pass
				-10	12.00	-1.384	-0.0008	-2.5 to 2.5	Pass
				0	12.00	-2.242	-0.0013	-2.5 to 2.5	Pass
				10	12.00	-2.524	-0.0015	-2.5 to 2.5	Pass
				30	12.00	-2.481	-0.0014	-2.5 to 2.5	Pass
				40	12.00	3.414	0.0020	-2.5 to 2.5	Pass
				50	12.00	2.210	0.0013	-2.5 to 2.5	Pass
				65	12.00	13.006	0.0075	-2.5 to 2.5	Pass
	1752.5	25	0	20	9.00	-12.790	-0.0073	-2.5 to 2.5	Pass
					12.00	-15.494	-0.0088	-2.5 to 2.5	Pass
					30.00	-13.256	-0.0076	-2.5 to 2.5	Pass
				-20	12.00	-12.444	-0.0071	-2.5 to 2.5	Pass
				-10	12.00	-13.147	-0.0075	-2.5 to 2.5	Pass
				0	12.00	-14.263	-0.0081	-2.5 to 2.5	Pass
				10	12.00	-13.942	-0.0080	-2.5 to 2.5	Pass
				30	12.00	-14.858	-0.0085	-2.5 to 2.5	Pass
				40	12.00	-15.444	-0.0088	-2.5 to 2.5	Pass
				50	12.00	-15.412	-0.0088	-2.5 to 2.5	Pass
				65	12.00	-16.452	-0.0094	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	9.00	2.581	0.0015	-2.5 to 2.5	Pass
					12.00	2.771	0.0016	-2.5 to 2.5	Pass

					30.00	0.550	0.0003	-2.5 to 2.5	Pass
				-20	12.00	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	12.00	-1.350	-0.0008	-2.5 to 2.5	Pass
				0	12.00	-1.995	-0.0012	-2.5 to 2.5	Pass
				10	12.00	-2.073	-0.0012	-2.5 to 2.5	Pass
				30	12.00	-2.275	-0.0013	-2.5 to 2.5	Pass
				40	12.00	-3.233	-0.0019	-2.5 to 2.5	Pass
				50	12.00	-3.246	-0.0019	-2.5 to 2.5	Pass
				65	12.00	-3.201	-0.0019	-2.5 to 2.5	Pass
	1732.5	25	0	20	9.00	18.249	0.0105	-2.5 to 2.5	Pass
					12.00	20.569	0.0119	-2.5 to 2.5	Pass
					30.00	19.712	0.0114	-2.5 to 2.5	Pass
				-20	12.00	19.747	0.0114	-2.5 to 2.5	Pass
				-10	12.00	18.559	0.0107	-2.5 to 2.5	Pass
				0	12.00	18.321	0.0106	-2.5 to 2.5	Pass
				10	12.00	18.169	0.0105	-2.5 to 2.5	Pass
				30	12.00	18.712	0.0108	-2.5 to 2.5	Pass
				40	12.00	18.810	0.0109	-2.5 to 2.5	Pass
	1752.5	25	0	20	9.00	18.190	0.0105	-2.5 to 2.5	Pass
					12.00	19.069	0.0110	-2.5 to 2.5	Pass
					30.00	18.190	0.0105	-2.5 to 2.5	Pass
				-20	12.00	-16.946	-0.0097	-2.5 to 2.5	Pass
				-10	12.00	-15.912	-0.0091	-2.5 to 2.5	Pass
				0	12.00	-18.092	-0.0103	-2.5 to 2.5	Pass
				10	12.00	-18.460	-0.0105	-2.5 to 2.5	Pass
				30	12.00	-18.633	-0.0106	-2.5 to 2.5	Pass
				40	12.00	-18.543	-0.0106	-2.5 to 2.5	Pass
				50	12.00	-18.916	-0.0108	-2.5 to 2.5	Pass
				65	12.00	-19.876	-0.0113	-2.5 to 2.5	Pass
				70	12.00	-20.820	-0.0119	-2.5 to 2.5	Pass
				75	12.00	-21.460	-0.0122	-2.5 to 2.5	Pass
				80	12.00	-21.648	-0.0124	-2.5 to 2.5	Pass

5.4 B4_10MHz

5.4.1 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	9.00	-5.457	-0.0032	-2.5 to 2.5	Pass
					12.00	-17.490	-0.0102	-2.5 to 2.5	Pass
					30.00	-14.681	-0.0086	-2.5 to 2.5	Pass
				-20	12.00	-12.124	-0.0071	-2.5 to 2.5	Pass
				-10	12.00	-11.881	-0.0069	-2.5 to 2.5	Pass
				0	12.00	-12.093	-0.0071	-2.5 to 2.5	Pass
				10	12.00	-11.938	-0.0070	-2.5 to 2.5	Pass
				30	12.00	-12.737	-0.0074	-2.5 to 2.5	Pass
				40	12.00	-12.837	-0.0075	-2.5 to 2.5	Pass
				50	12.00	-12.974	-0.0076	-2.5 to 2.5	Pass
				65	12.00	-13.544	-0.0079	-2.5 to 2.5	Pass
	1732.5	50	0	20	9.00	-7.109	-0.0041	-2.5 to 2.5	Pass
					12.00	-7.952	-0.0046	-2.5 to 2.5	Pass
					30.00	-8.210	-0.0047	-2.5 to 2.5	Pass
				-20	12.00	-7.024	-0.0041	-2.5 to 2.5	Pass
				-10	12.00	-7.207	-0.0042	-2.5 to 2.5	Pass

				0	12.00	-6.980	-0.0040	-2.5 to 2.5	Pass
				10	12.00	-6.785	-0.0039	-2.5 to 2.5	Pass
				30	12.00	-7.007	-0.0040	-2.5 to 2.5	Pass
				40	12.00	-6.157	-0.0036	-2.5 to 2.5	Pass
				50	12.00	-6.461	-0.0037	-2.5 to 2.5	Pass
				65	12.00	-6.889	-0.0040	-2.5 to 2.5	Pass
	1750	50	0	20	9.00	-8.303	-0.0047	-2.5 to 2.5	Pass
					12.00	-10.756	-0.0061	-2.5 to 2.5	Pass
					30.00	-7.924	-0.0045	-2.5 to 2.5	Pass
				-20	12.00	-6.135	-0.0035	-2.5 to 2.5	Pass
				-10	12.00	-5.321	-0.0030	-2.5 to 2.5	Pass
				0	12.00	-5.322	-0.0030	-2.5 to 2.5	Pass
				10	12.00	-4.844	-0.0028	-2.5 to 2.5	Pass
				30	12.00	-3.985	-0.0023	-2.5 to 2.5	Pass
				40	12.00	-4.903	-0.0028	-2.5 to 2.5	Pass
				50	12.00	-6.194	-0.0035	-2.5 to 2.5	Pass
				65	12.00	-5.310	-0.0030	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	9.00	-13.425	-0.0078	-2.5 to 2.5	Pass
					12.00	-13.096	-0.0076	-2.5 to 2.5	Pass
					30.00	-14.219	-0.0083	-2.5 to 2.5	Pass
				-20	12.00	-15.059	-0.0088	-2.5 to 2.5	Pass
				-10	12.00	-15.252	-0.0089	-2.5 to 2.5	Pass
				0	12.00	-14.785	-0.0086	-2.5 to 2.5	Pass
				10	12.00	-15.008	-0.0088	-2.5 to 2.5	Pass
				30	12.00	-14.697	-0.0086	-2.5 to 2.5	Pass
				40	12.00	-15.111	-0.0088	-2.5 to 2.5	Pass
				50	12.00	-15.181	-0.0089	-2.5 to 2.5	Pass
				65	12.00	-15.096	-0.0088	-2.5 to 2.5	Pass
	1732.5	50	0	20	9.00	-7.692	-0.0044	-2.5 to 2.5	Pass
					12.00	-6.453	-0.0037	-2.5 to 2.5	Pass
					30.00	-7.200	-0.0042	-2.5 to 2.5	Pass
				-20	12.00	-7.713	-0.0045	-2.5 to 2.5	Pass
				-10	12.00	-12.426	-0.0072	-2.5 to 2.5	Pass
				0	12.00	-1.831	-0.0011	-2.5 to 2.5	Pass
				10	12.00	2.645	0.0015	-2.5 to 2.5	Pass
				30	12.00	5.544	0.0032	-2.5 to 2.5	Pass
				40	12.00	5.991	0.0035	-2.5 to 2.5	Pass
				50	12.00	7.074	0.0041	-2.5 to 2.5	Pass
				65	12.00	7.153	0.0041	-2.5 to 2.5	Pass
	1750	50	0	20	9.00	-5.240	-0.0030	-2.5 to 2.5	Pass
					12.00	-4.631	-0.0026	-2.5 to 2.5	Pass
					30.00	-6.493	-0.0037	-2.5 to 2.5	Pass
				-20	12.00	-5.868	-0.0034	-2.5 to 2.5	Pass
				-10	12.00	-6.606	-0.0038	-2.5 to 2.5	Pass
				0	12.00	-7.422	-0.0042	-2.5 to 2.5	Pass
				10	12.00	-7.828	-0.0045	-2.5 to 2.5	Pass
				30	12.00	-6.999	-0.0040	-2.5 to 2.5	Pass
				40	12.00	-7.027	-0.0040	-2.5 to 2.5	Pass
				50	12.00	-6.794	-0.0039	-2.5 to 2.5	Pass
				65	12.00	-7.291	-0.0042	-2.5 to 2.5	Pass

5.5 B4_15MHz

5.5.1 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	9.00	5.661	0.0033	-2.5 to 2.5	Pass
					12.00	-8.285	-0.0048	-2.5 to 2.5	Pass
					30.00	-5.823	-0.0034	-2.5 to 2.5	Pass
				-20	12.00	-4.272	-0.0025	-2.5 to 2.5	Pass
				-10	12.00	-2.690	-0.0016	-2.5 to 2.5	Pass
				0	12.00	-2.655	-0.0015	-2.5 to 2.5	Pass
				10	12.00	-1.614	-0.0009	-2.5 to 2.5	Pass
				30	12.00	-2.183	-0.0013	-2.5 to 2.5	Pass
				40	12.00	-2.093	-0.0012	-2.5 to 2.5	Pass
				50	12.00	-2.445	-0.0014	-2.5 to 2.5	Pass
				65	12.00	-2.390	-0.0014	-2.5 to 2.5	Pass
	1732.5	75	0	20	9.00	2.973	0.0017	-2.5 to 2.5	Pass
					12.00	1.115	0.0006	-2.5 to 2.5	Pass
					30.00	1.587	0.0009	-2.5 to 2.5	Pass
				-20	12.00	1.465	0.0008	-2.5 to 2.5	Pass
				-10	12.00	1.790	0.0010	-2.5 to 2.5	Pass
				0	12.00	1.384	0.0008	-2.5 to 2.5	Pass
				10	12.00	0.491	0.0003	-2.5 to 2.5	Pass
				30	12.00	-0.190	-0.0001	-2.5 to 2.5	Pass
				40	12.00	-0.391	-0.0002	-2.5 to 2.5	Pass
				50	12.00	-1.012	-0.0006	-2.5 to 2.5	Pass
				65	12.00	-1.519	-0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	9.00	-6.948	-0.0040	-2.5 to 2.5	Pass
					12.00	-8.500	-0.0049	-2.5 to 2.5	Pass
					30.00	-6.077	-0.0035	-2.5 to 2.5	Pass
				-20	12.00	-4.626	-0.0026	-2.5 to 2.5	Pass
				-10	12.00	-4.982	-0.0029	-2.5 to 2.5	Pass
				0	12.00	-4.932	-0.0028	-2.5 to 2.5	Pass
				10	12.00	-4.895	-0.0028	-2.5 to 2.5	Pass
				30	12.00	-5.747	-0.0033	-2.5 to 2.5	Pass
				40	12.00	-6.068	-0.0035	-2.5 to 2.5	Pass
				50	12.00	-6.757	-0.0039	-2.5 to 2.5	Pass
				65	12.00	-7.501	-0.0043	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	9.00	-2.746	-0.0016	-2.5 to 2.5	Pass
					12.00	-1.697	-0.0010	-2.5 to 2.5	Pass
					30.00	-3.634	-0.0021	-2.5 to 2.5	Pass
				-20	12.00	-3.829	-0.0022	-2.5 to 2.5	Pass
				-10	12.00	-4.131	-0.0024	-2.5 to 2.5	Pass
				0	12.00	-5.117	-0.0030	-2.5 to 2.5	Pass
				10	12.00	-5.750	-0.0033	-2.5 to 2.5	Pass
				30	12.00	-5.310	-0.0031	-2.5 to 2.5	Pass
				40	12.00	-6.280	-0.0037	-2.5 to 2.5	Pass
				50	12.00	-7.073	-0.0041	-2.5 to 2.5	Pass
				65	12.00	-7.068	-0.0041	-2.5 to 2.5	Pass
	1732.5	75	0	20	9.00	-2.439	-0.0014	-2.5 to 2.5	Pass
					12.00	-2.400	-0.0014	-2.5 to 2.5	Pass
					30.00	-3.156	-0.0018	-2.5 to 2.5	Pass
				-20	12.00	-3.896	-0.0022	-2.5 to 2.5	Pass
				-10	12.00	-5.057	-0.0029	-2.5 to 2.5	Pass
				0	12.00	-5.107	-0.0029	-2.5 to 2.5	Pass
				10	12.00	-5.593	-0.0032	-2.5 to 2.5	Pass
				30	12.00	-5.927	-0.0034	-2.5 to 2.5	Pass
				40	12.00	6.047	0.0035	-2.5 to 2.5	Pass
				50	12.00	5.703	0.0033	-2.5 to 2.5	Pass

				65	12.00	14.151	0.0082	-2.5 to 2.5	Pass
				20	9.00	-8.222	-0.0047	-2.5 to 2.5	Pass
					12.00	-7.327	-0.0042	-2.5 to 2.5	Pass
					30.00	-8.678	-0.0050	-2.5 to 2.5	Pass
				-20	12.00	-9.920	-0.0057	-2.5 to 2.5	Pass
				-10	12.00	-10.592	-0.0061	-2.5 to 2.5	Pass
				0	12.00	-11.670	-0.0067	-2.5 to 2.5	Pass
				10	12.00	-12.293	-0.0070	-2.5 to 2.5	Pass
				30	12.00	-11.987	-0.0069	-2.5 to 2.5	Pass
				40	12.00	-12.165	-0.0070	-2.5 to 2.5	Pass
				50	12.00	-12.690	-0.0073	-2.5 to 2.5	Pass
				65	12.00	-13.277	-0.0076	-2.5 to 2.5	Pass

5.6 B4_20MHz

5.6.1 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	9.00	5.722	0.0033	-2.5 to 2.5	Pass
					12.00	-7.010	-0.0041	-2.5 to 2.5	Pass
					30.00	-5.876	-0.0034	-2.5 to 2.5	Pass
				-20	12.00	-4.534	-0.0026	-2.5 to 2.5	Pass
				-10	12.00	-4.100	-0.0024	-2.5 to 2.5	Pass
				0	12.00	-4.496	-0.0026	-2.5 to 2.5	Pass
				10	12.00	-4.031	-0.0023	-2.5 to 2.5	Pass
				30	12.00	-5.064	-0.0029	-2.5 to 2.5	Pass
				40	12.00	-5.887	-0.0034	-2.5 to 2.5	Pass
				50	12.00	-6.341	-0.0037	-2.5 to 2.5	Pass
				65	12.00	-6.657	-0.0039	-2.5 to 2.5	Pass
	1732.5	100	0	20	9.00	-1.353	-0.0008	-2.5 to 2.5	Pass
					12.00	-4.402	-0.0025	-2.5 to 2.5	Pass
					30.00	-2.752	-0.0016	-2.5 to 2.5	Pass
				-20	12.00	-2.818	-0.0016	-2.5 to 2.5	Pass
				-10	12.00	-2.391	-0.0014	-2.5 to 2.5	Pass
				0	12.00	-3.132	-0.0018	-2.5 to 2.5	Pass
				10	12.00	-3.286	-0.0019	-2.5 to 2.5	Pass
				30	12.00	-4.322	-0.0025	-2.5 to 2.5	Pass
				40	12.00	-3.916	-0.0023	-2.5 to 2.5	Pass
				50	12.00	-5.083	-0.0029	-2.5 to 2.5	Pass
				65	12.00	-5.796	-0.0033	-2.5 to 2.5	Pass
	1745	100	0	20	9.00	-8.216	-0.0047	-2.5 to 2.5	Pass
					12.00	-10.872	-0.0062	-2.5 to 2.5	Pass
					30.00	-8.361	-0.0048	-2.5 to 2.5	Pass
				-20	12.00	-7.113	-0.0041	-2.5 to 2.5	Pass
				-10	12.00	-6.756	-0.0039	-2.5 to 2.5	Pass
				0	12.00	-7.355	-0.0042	-2.5 to 2.5	Pass
				10	12.00	-7.360	-0.0042	-2.5 to 2.5	Pass
				30	12.00	-7.532	-0.0043	-2.5 to 2.5	Pass
				40	12.00	-7.743	-0.0044	-2.5 to 2.5	Pass
				50	12.00	-8.111	-0.0046	-2.5 to 2.5	Pass
				65	12.00	-7.098	-0.0041	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	9.00	-8.091	-0.0047	-2.5 to 2.5	Pass
					12.00	-8.130	-0.0047	-2.5 to 2.5	Pass

					30.00	-9.510	-0.0055	-2.5 to 2.5	Pass
				-20	12.00	-10.237	-0.0060	-2.5 to 2.5	Pass
				-10	12.00	-10.699	-0.0062	-2.5 to 2.5	Pass
				0	12.00	-11.161	-0.0065	-2.5 to 2.5	Pass
				10	12.00	-11.606	-0.0067	-2.5 to 2.5	Pass
				30	12.00	-12.726	-0.0074	-2.5 to 2.5	Pass
				40	12.00	-12.948	-0.0075	-2.5 to 2.5	Pass
				50	12.00	-13.457	-0.0078	-2.5 to 2.5	Pass
				65	12.00	-13.812	-0.0080	-2.5 to 2.5	Pass
	1732.5	100	0	20	9.00	-5.947	-0.0034	-2.5 to 2.5	Pass
					12.00	-5.510	-0.0032	-2.5 to 2.5	Pass
					30.00	-6.307	-0.0036	-2.5 to 2.5	Pass
				-20	12.00	2.854	0.0016	-2.5 to 2.5	Pass
				-10	12.00	1.507	0.0009	-2.5 to 2.5	Pass
				0	12.00	10.467	0.0060	-2.5 to 2.5	Pass
				10	12.00	14.209	0.0082	-2.5 to 2.5	Pass
				30	12.00	15.220	0.0088	-2.5 to 2.5	Pass
				40	12.00	17.312	0.0100	-2.5 to 2.5	Pass
	1745	100	0	20	9.00	-7.843	-0.0045	-2.5 to 2.5	Pass
					12.00	-7.700	-0.0044	-2.5 to 2.5	Pass
					30.00	-8.823	-0.0051	-2.5 to 2.5	Pass
				-20	12.00	-9.912	-0.0057	-2.5 to 2.5	Pass
				-10	12.00	-10.153	-0.0058	-2.5 to 2.5	Pass
				0	12.00	-10.131	-0.0058	-2.5 to 2.5	Pass
				10	12.00	-10.875	-0.0062	-2.5 to 2.5	Pass
				30	12.00	-10.981	-0.0063	-2.5 to 2.5	Pass
				40	12.00	-11.250	-0.0064	-2.5 to 2.5	Pass
				50	12.00	-11.142	-0.0064	-2.5 to 2.5	Pass
				65	12.00	-10.616	-0.0061	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B41_5MHz

6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	9.00	-11.773	-0.0047	-2.5 to 2.5	Pass
					12.00	-19.999	-0.0080	-2.5 to 2.5	Pass
					30.00	-26.979	-0.0108	-2.5 to 2.5	Pass
				-20	12.00	-24.662	-0.0099	-2.5 to 2.5	Pass
				-10	12.00	-22.273	-0.0089	-2.5 to 2.5	Pass
				0	12.00	-18.325	-0.0073	-2.5 to 2.5	Pass
				10	12.00	-15.321	-0.0061	-2.5 to 2.5	Pass
				30	12.00	-14.534	-0.0058	-2.5 to 2.5	Pass
				40	12.00	-13.475	-0.0054	-2.5 to 2.5	Pass
				50	12.00	-12.231	-0.0049	-2.5 to 2.5	Pass
				65	12.00	-11.802	-0.0047	-2.5 to 2.5	Pass
	2593	25	0	20	9.00	1.402	0.0005	-2.5 to 2.5	Pass
					12.00	19.169	0.0074	-2.5 to 2.5	Pass

16QAM	2687.5	25	0		30.00	19.012	0.0073	-2.5 to 2.5	Pass
				-20	12.00	8.640	0.0033	-2.5 to 2.5	Pass
				-10	12.00	10.157	0.0039	-2.5 to 2.5	Pass
				0	12.00	20.928	0.0081	-2.5 to 2.5	Pass
				10	12.00	12.732	0.0049	-2.5 to 2.5	Pass
				30	12.00	9.642	0.0037	-2.5 to 2.5	Pass
				40	12.00	14.462	0.0056	-2.5 to 2.5	Pass
				50	12.00	29.755	0.0115	-2.5 to 2.5	Pass
	2498.5	25	0	65	12.00	16.379	0.0063	-2.5 to 2.5	Pass
				20	9.00	-32.301	-0.0120	-2.5 to 2.5	Pass
					12.00	-17.681	-0.0066	-2.5 to 2.5	Pass
					30.00	-18.411	-0.0069	-2.5 to 2.5	Pass
				-20	12.00	-17.481	-0.0065	-2.5 to 2.5	Pass
				-10	12.00	-13.890	-0.0052	-2.5 to 2.5	Pass
				0	12.00	-21.629	-0.0080	-2.5 to 2.5	Pass
				10	12.00	-7.567	-0.0028	-2.5 to 2.5	Pass
				30	12.00	-14.234	-0.0053	-2.5 to 2.5	Pass
				40	12.00	-11.430	-0.0043	-2.5 to 2.5	Pass
				50	12.00	-11.687	-0.0043	-2.5 to 2.5	Pass
				65	12.00	3.433	0.0013	-2.5 to 2.5	Pass
				20	9.00	2.632	0.0011	-2.5 to 2.5	Pass
					12.00	12.231	0.0049	-2.5 to 2.5	Pass
					30.00	27.323	0.0109	-2.5 to 2.5	Pass
	2593	25	0	-20	12.00	38.180	0.0153	-2.5 to 2.5	Pass
				-10	12.00	33.045	0.0132	-2.5 to 2.5	Pass
				0	12.00	14.505	0.0058	-2.5 to 2.5	Pass
				10	12.00	37.980	0.0152	-2.5 to 2.5	Pass
				30	12.00	47.722	0.0191	-2.5 to 2.5	Pass
				40	12.00	4.120	0.0016	-2.5 to 2.5	Pass
				50	12.00	8.669	0.0035	-2.5 to 2.5	Pass
				65	12.00	17.881	0.0072	-2.5 to 2.5	Pass
	2687.5	25	0	20	9.00	31.586	0.0122	-2.5 to 2.5	Pass
					12.00	39.611	0.0153	-2.5 to 2.5	Pass
					30.00	56.605	0.0218	-2.5 to 2.5	Pass
				-20	12.00	40.784	0.0157	-2.5 to 2.5	Pass
				-10	12.00	32.973	0.0127	-2.5 to 2.5	Pass
				0	12.00	38.481	0.0148	-2.5 to 2.5	Pass
				10	12.00	41.041	0.0158	-2.5 to 2.5	Pass
				30	12.00	49.510	0.0191	-2.5 to 2.5	Pass
				40	12.00	51.270	0.0198	-2.5 to 2.5	Pass
				50	12.00	53.601	0.0207	-2.5 to 2.5	Pass
				65	12.00	5.493	0.0021	-2.5 to 2.5	Pass
				20	9.00	-0.186	-0.0001	-2.5 to 2.5	Pass
					12.00	7.882	0.0029	-2.5 to 2.5	Pass
					30.00	-1.745	-0.0006	-2.5 to 2.5	Pass
				-20	12.00	11.487	0.0043	-2.5 to 2.5	Pass
				-10	12.00	3.104	0.0012	-2.5 to 2.5	Pass
				0	12.00	13.833	0.0051	-2.5 to 2.5	Pass
				10	12.00	14.749	0.0055	-2.5 to 2.5	Pass
				30	12.00	11.344	0.0042	-2.5 to 2.5	Pass
				40	12.00	16.894	0.0063	-2.5 to 2.5	Pass
				50	12.00	18.282	0.0068	-2.5 to 2.5	Pass
				65	12.00	12.918	0.0048	-2.5 to 2.5	Pass

6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	9.00	17.638	0.0071	-2.5 to 2.5	Pass
					12.00	31.300	0.0125	-2.5 to 2.5	Pass
					30.00	29.325	0.0117	-2.5 to 2.5	Pass
				-20	12.00	50.683	0.0203	-2.5 to 2.5	Pass
				-10	12.00	6.037	0.0024	-2.5 to 2.5	Pass
				0	12.00	21.029	0.0084	-2.5 to 2.5	Pass
				10	12.00	32.358	0.0129	-2.5 to 2.5	Pass
				30	12.00	45.519	0.0182	-2.5 to 2.5	Pass
				40	12.00	46.434	0.0186	-2.5 to 2.5	Pass
				50	12.00	6.924	0.0028	-2.5 to 2.5	Pass
				65	12.00	11.859	0.0047	-2.5 to 2.5	Pass
	2593	50	0	20	9.00	-3.734	-0.0014	-2.5 to 2.5	Pass
					12.00	-9.770	-0.0038	-2.5 to 2.5	Pass
					30.00	-11.816	-0.0046	-2.5 to 2.5	Pass
				-20	12.00	-15.821	-0.0061	-2.5 to 2.5	Pass
				-10	12.00	-24.247	-0.0094	-2.5 to 2.5	Pass
				0	12.00	-22.345	-0.0086	-2.5 to 2.5	Pass
				10	12.00	-17.695	-0.0068	-2.5 to 2.5	Pass
				30	12.00	-20.871	-0.0080	-2.5 to 2.5	Pass
				40	12.00	-20.657	-0.0080	-2.5 to 2.5	Pass
				50	12.00	-19.026	-0.0073	-2.5 to 2.5	Pass
				65	12.00	-17.653	-0.0068	-2.5 to 2.5	Pass
	2685	50	0	20	9.00	4.878	0.0018	-2.5 to 2.5	Pass
					12.00	3.333	0.0012	-2.5 to 2.5	Pass
					30.00	0.987	0.0004	-2.5 to 2.5	Pass
				-20	12.00	0.501	0.0002	-2.5 to 2.5	Pass
				-10	12.00	3.090	0.0012	-2.5 to 2.5	Pass
				0	12.00	6.266	0.0023	-2.5 to 2.5	Pass
				10	12.00	8.812	0.0033	-2.5 to 2.5	Pass
				30	12.00	8.712	0.0032	-2.5 to 2.5	Pass
				40	12.00	12.288	0.0046	-2.5 to 2.5	Pass
				50	12.00	13.690	0.0051	-2.5 to 2.5	Pass
				65	12.00	13.504	0.0050	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	9.00	11.544	0.0046	-2.5 to 2.5	Pass
					12.00	20.127	0.0080	-2.5 to 2.5	Pass
					30.00	18.854	0.0075	-2.5 to 2.5	Pass
				-20	12.00	27.008	0.0108	-2.5 to 2.5	Pass
				-10	12.00	30.541	0.0122	-2.5 to 2.5	Pass
				0	12.00	28.195	0.0113	-2.5 to 2.5	Pass
				10	12.00	36.407	0.0146	-2.5 to 2.5	Pass
				30	12.00	33.832	0.0135	-2.5 to 2.5	Pass
				40	12.00	38.424	0.0154	-2.5 to 2.5	Pass
				50	12.00	46.077	0.0184	-2.5 to 2.5	Pass
				65	12.00	42.300	0.0169	-2.5 to 2.5	Pass
	2593	50	0	20	9.00	-15.335	-0.0059	-2.5 to 2.5	Pass
					12.00	-12.689	-0.0049	-2.5 to 2.5	Pass
					30.00	-6.495	-0.0025	-2.5 to 2.5	Pass
				-20	12.00	-3.977	-0.0015	-2.5 to 2.5	Pass
				-10	12.00	-2.575	-0.0010	-2.5 to 2.5	Pass
				0	12.00	-6.437	-0.0025	-2.5 to 2.5	Pass
				10	12.00	-4.163	-0.0016	-2.5 to 2.5	Pass

				30	12.00	3.891	0.0015	-2.5 to 2.5	Pass
				40	12.00	4.377	0.0017	-2.5 to 2.5	Pass
				50	12.00	0.644	0.0002	-2.5 to 2.5	Pass
				65	12.00	4.163	0.0016	-2.5 to 2.5	Pass
	2685	50	0	20	9.00	14.277	0.0053	-2.5 to 2.5	Pass
					12.00	15.922	0.0059	-2.5 to 2.5	Pass
					30.00	16.294	0.0061	-2.5 to 2.5	Pass
				-20	12.00	16.694	0.0062	-2.5 to 2.5	Pass
				-10	12.00	18.668	0.0070	-2.5 to 2.5	Pass
				0	12.00	20.270	0.0075	-2.5 to 2.5	Pass
				10	12.00	21.458	0.0080	-2.5 to 2.5	Pass
				30	12.00	21.687	0.0081	-2.5 to 2.5	Pass
				40	12.00	23.818	0.0089	-2.5 to 2.5	Pass
				50	12.00	25.964	0.0097	-2.5 to 2.5	Pass
				65	12.00	27.323	0.0102	-2.5 to 2.5	Pass

6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	9.00	-6.166	-0.0025	-2.5 to 2.5	Pass
					12.00	5.307	0.0021	-2.5 to 2.5	Pass
					30.00	25.163	0.0101	-2.5 to 2.5	Pass
				-20	12.00	37.251	0.0149	-2.5 to 2.5	Pass
				-10	12.00	20.800	0.0083	-2.5 to 2.5	Pass
				0	12.00	32.673	0.0131	-2.5 to 2.5	Pass
				10	12.00	40.827	0.0163	-2.5 to 2.5	Pass
				30	12.00	42.644	0.0170	-2.5 to 2.5	Pass
				40	12.00	48.265	0.0193	-2.5 to 2.5	Pass
				50	12.00	19.341	0.0077	-2.5 to 2.5	Pass
	2593	75	0	20	9.00	-9.241	-0.0037	-2.5 to 2.5	Pass
					9.00	0.958	0.0004	-2.5 to 2.5	Pass
					12.00	0.229	0.0001	-2.5 to 2.5	Pass
				-20	30.00	-3.819	-0.0015	-2.5 to 2.5	Pass
					12.00	-4.349	-0.0017	-2.5 to 2.5	Pass
					12.00	-6.766	-0.0026	-2.5 to 2.5	Pass
				-10	12.00	-4.163	-0.0016	-2.5 to 2.5	Pass
				0	12.00	-4.606	-0.0018	-2.5 to 2.5	Pass
				10	12.00	-3.119	-0.0012	-2.5 to 2.5	Pass
				30	12.00	-6.223	-0.0024	-2.5 to 2.5	Pass
	2682.5	75	0	20	12.00	-7.653	-0.0030	-2.5 to 2.5	Pass
					12.00	-6.366	-0.0025	-2.5 to 2.5	Pass
					9.00	28.453	0.0106	-2.5 to 2.5	Pass
				-20	12.00	25.949	0.0097	-2.5 to 2.5	Pass
					30.00	17.610	0.0066	-2.5 to 2.5	Pass
					12.00	26.178	0.0098	-2.5 to 2.5	Pass
				-10	12.00	22.073	0.0082	-2.5 to 2.5	Pass
				0	12.00	29.712	0.0111	-2.5 to 2.5	Pass
				10	12.00	25.964	0.0097	-2.5 to 2.5	Pass
				30	12.00	27.437	0.0102	-2.5 to 2.5	Pass
				40	12.00	32.673	0.0122	-2.5 to 2.5	Pass
				50	12.00	33.646	0.0125	-2.5 to 2.5	Pass

				65	12.00	28.138	0.0105	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	9.00	-4.392	-0.0018	-2.5 to 2.5	Pass
					12.00	2.003	0.0008	-2.5 to 2.5	Pass
					30.00	0.272	0.0001	-2.5 to 2.5	Pass
					-20	12.00	3.591	0.0014	-2.5 to 2.5
				-10	12.00	6.237	0.0025	-2.5 to 2.5	Pass
				0	12.00	-17.681	-0.0071	-2.5 to 2.5	Pass
				10	12.00	-13.332	-0.0053	-2.5 to 2.5	Pass
				30	12.00	10.929	0.0044	-2.5 to 2.5	Pass
				40	12.00	32.001	0.0128	-2.5 to 2.5	Pass
				50	12.00	47.479	0.0190	-2.5 to 2.5	Pass
				65	12.00	28.481	0.0114	-2.5 to 2.5	Pass
	2593	75	0	20	9.00	-5.794	-0.0022	-2.5 to 2.5	Pass
					12.00	-5.422	-0.0021	-2.5 to 2.5	Pass
					30.00	-5.393	-0.0021	-2.5 to 2.5	Pass
				-20	12.00	-8.669	-0.0033	-2.5 to 2.5	Pass
				-10	12.00	-8.497	-0.0033	-2.5 to 2.5	Pass
				0	12.00	-6.337	-0.0024	-2.5 to 2.5	Pass
				10	12.00	-3.219	-0.0012	-2.5 to 2.5	Pass
				30	12.00	-2.346	-0.0009	-2.5 to 2.5	Pass
				40	12.00	-9.785	-0.0038	-2.5 to 2.5	Pass
				50	12.00	-2.003	-0.0008	-2.5 to 2.5	Pass
				65	12.00	-8.254	-0.0032	-2.5 to 2.5	Pass
	2682.5	75	0	20	9.00	34.089	0.0127	-2.5 to 2.5	Pass
					12.00	35.005	0.0130	-2.5 to 2.5	Pass
					30.00	29.511	0.0110	-2.5 to 2.5	Pass
				-20	12.00	33.660	0.0125	-2.5 to 2.5	Pass
				-10	12.00	32.115	0.0120	-2.5 to 2.5	Pass
				0	12.00	26.507	0.0099	-2.5 to 2.5	Pass
				10	12.00	26.107	0.0097	-2.5 to 2.5	Pass
				30	12.00	26.464	0.0099	-2.5 to 2.5	Pass
				40	12.00	26.436	0.0099	-2.5 to 2.5	Pass
				50	12.00	27.409	0.0102	-2.5 to 2.5	Pass
				65	12.00	27.080	0.0101	-2.5 to 2.5	Pass

6.4 B41_20MHz

6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	9.00	-13.204	-0.0053	-2.5 to 2.5	Pass
					12.00	5.536	0.0022	-2.5 to 2.5	Pass
					30.00	39.210	0.0156	-2.5 to 2.5	Pass
				-20	12.00	0.672	0.0003	-2.5 to 2.5	Pass
				-10	12.00	11.387	0.0045	-2.5 to 2.5	Pass
				0	12.00	21.758	0.0087	-2.5 to 2.5	Pass
				10	12.00	22.974	0.0092	-2.5 to 2.5	Pass
				30	12.00	26.064	0.0104	-2.5 to 2.5	Pass
				40	12.00	27.351	0.0109	-2.5 to 2.5	Pass
				50	12.00	27.237	0.0109	-2.5 to 2.5	Pass
				65	12.00	28.081	0.0112	-2.5 to 2.5	Pass
	2593	100	0	20	9.00	-4.735	-0.0018	-2.5 to 2.5	Pass
					12.00	-13.633	-0.0053	-2.5 to 2.5	Pass

					30.00	-15.850	-0.0061	-2.5 to 2.5	Pass
				-20	12.00	-19.555	-0.0075	-2.5 to 2.5	Pass
				-10	12.00	-23.303	-0.0090	-2.5 to 2.5	Pass
				0	12.00	-21.944	-0.0085	-2.5 to 2.5	Pass
				10	12.00	-21.887	-0.0084	-2.5 to 2.5	Pass
				30	12.00	-27.580	-0.0106	-2.5 to 2.5	Pass
				40	12.00	-24.290	-0.0094	-2.5 to 2.5	Pass
				50	12.00	-22.459	-0.0087	-2.5 to 2.5	Pass
				65	12.00	-23.646	-0.0091	-2.5 to 2.5	Pass
	2680	100	0	20	9.00	-23.689	-0.0088	-2.5 to 2.5	Pass
					12.00	-22.502	-0.0084	-2.5 to 2.5	Pass
					30.00	-24.676	-0.0092	-2.5 to 2.5	Pass
				-20	12.00	-24.576	-0.0092	-2.5 to 2.5	Pass
				-10	12.00	-27.752	-0.0104	-2.5 to 2.5	Pass
				0	12.00	-23.789	-0.0089	-2.5 to 2.5	Pass
				10	12.00	-28.553	-0.0107	-2.5 to 2.5	Pass
				30	12.00	-23.847	-0.0089	-2.5 to 2.5	Pass
				40	12.00	-28.152	-0.0105	-2.5 to 2.5	Pass
				50	12.00	-27.380	-0.0102	-2.5 to 2.5	Pass
				65	12.00	-29.054	-0.0108	-2.5 to 2.5	Pass
				20	9.00	29.240	0.0117	-2.5 to 2.5	Pass
					12.00	28.167	0.0112	-2.5 to 2.5	Pass
					30.00	27.266	0.0109	-2.5 to 2.5	Pass
16QAM	2506	100	0	-20	12.00	28.510	0.0114	-2.5 to 2.5	Pass
				-10	12.00	28.424	0.0113	-2.5 to 2.5	Pass
				0	12.00	28.753	0.0115	-2.5 to 2.5	Pass
				10	12.00	27.809	0.0111	-2.5 to 2.5	Pass
				30	12.00	26.808	0.0107	-2.5 to 2.5	Pass
				40	12.00	28.710	0.0115	-2.5 to 2.5	Pass
				50	12.00	28.167	0.0112	-2.5 to 2.5	Pass
				65	12.00	27.637	0.0110	-2.5 to 2.5	Pass
	2593	100	0	20	9.00	-22.330	-0.0086	-2.5 to 2.5	Pass
					12.00	-23.031	-0.0089	-2.5 to 2.5	Pass
					30.00	-26.550	-0.0102	-2.5 to 2.5	Pass
				-20	12.00	-22.202	-0.0086	-2.5 to 2.5	Pass
				-10	12.00	-25.806	-0.0100	-2.5 to 2.5	Pass
				0	12.00	-22.516	-0.0087	-2.5 to 2.5	Pass
				10	12.00	-22.488	-0.0087	-2.5 to 2.5	Pass
				30	12.00	-22.602	-0.0087	-2.5 to 2.5	Pass
				40	12.00	-22.659	-0.0087	-2.5 to 2.5	Pass
				50	12.00	-22.388	-0.0086	-2.5 to 2.5	Pass
				65	12.00	-27.924	-0.0108	-2.5 to 2.5	Pass
	2680	100	0	20	9.00	-24.233	-0.0090	-2.5 to 2.5	Pass
					12.00	-24.061	-0.0090	-2.5 to 2.5	Pass
					30.00	-28.467	-0.0106	-2.5 to 2.5	Pass
				-20	12.00	-29.426	-0.0110	-2.5 to 2.5	Pass
				-10	12.00	16.351	0.0061	-2.5 to 2.5	Pass
				0	12.00	25.878	0.0097	-2.5 to 2.5	Pass
				10	12.00	40.097	0.0150	-2.5 to 2.5	Pass
				30	12.00	32.401	0.0121	-2.5 to 2.5	Pass
				40	12.00	-3.648	-0.0014	-2.5 to 2.5	Pass
				50	12.00	-2.475	-0.0009	-2.5 to 2.5	Pass
				65	12.00	0.086	0.0000	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B5_1.4MHz

7.1.1 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	9.00	5.053	0.0061	-2.5 to 2.5	Pass
					12.00	6.093	0.0074	-2.5 to 2.5	Pass
					30.00	11.570	0.0140	-2.5 to 2.5	Pass
				-20	12.00	-0.492	-0.0006	-2.5 to 2.5	Pass
				-10	12.00	-1.405	-0.0017	-2.5 to 2.5	Pass
				0	12.00	8.148	0.0099	-2.5 to 2.5	Pass
				10	12.00	19.140	0.0232	-2.5 to 2.5	Pass
				30	12.00	24.451	0.0296	-2.5 to 2.5	Pass
				40	12.00	27.223	0.0330	-2.5 to 2.5	Pass
				50	12.00	29.231	0.0354	-2.5 to 2.5	Pass
	65	12.00	30.030	0.0364	-2.5 to 2.5	Pass			
	836.5	6	0	20	9.00	-2.922	-0.0035	-2.5 to 2.5	Pass
					12.00	1.991	0.0024	-2.5 to 2.5	Pass
					30.00	14.269	0.0171	-2.5 to 2.5	Pass
				-20	12.00	20.659	0.0247	-2.5 to 2.5	Pass
				-10	12.00	23.694	0.0283	-2.5 to 2.5	Pass
				0	12.00	25.517	0.0305	-2.5 to 2.5	Pass
				10	12.00	26.826	0.0321	-2.5 to 2.5	Pass
				30	12.00	27.942	0.0334	-2.5 to 2.5	Pass
				40	12.00	28.905	0.0346	-2.5 to 2.5	Pass
				50	12.00	29.742	0.0356	-2.5 to 2.5	Pass
	65	12.00	30.256	0.0362	-2.5 to 2.5	Pass			
	848.3	6	0	20	9.00	2.037	0.0024	-2.5 to 2.5	Pass
					12.00	-3.640	-0.0043	-2.5 to 2.5	Pass
					30.00	1.442	0.0017	-2.5 to 2.5	Pass
				-20	12.00	11.040	0.0130	-2.5 to 2.5	Pass
				-10	12.00	24.706	0.0291	-2.5 to 2.5	Pass
				0	12.00	-5.140	-0.0061	-2.5 to 2.5	Pass
				10	12.00	8.735	0.0103	-2.5 to 2.5	Pass
				30	12.00	23.342	0.0275	-2.5 to 2.5	Pass
40				12.00	31.774	0.0375	-2.5 to 2.5	Pass	
50				12.00	36.076	0.0425	-2.5 to 2.5	Pass	
65	12.00	39.060	0.0460	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	9.00	31.943	0.0387	-2.5 to 2.5	Pass
					12.00	32.774	0.0397	-2.5 to 2.5	Pass
					30.00	32.161	0.0390	-2.5 to 2.5	Pass
				-20	12.00	32.334	0.0392	-2.5 to 2.5	Pass
				-10	12.00	32.877	0.0399	-2.5 to 2.5	Pass
				0	12.00	33.765	0.0409	-2.5 to 2.5	Pass
				10	12.00	34.383	0.0417	-2.5 to 2.5	Pass
				30	12.00	34.954	0.0424	-2.5 to 2.5	Pass
				40	12.00	35.368	0.0429	-2.5 to 2.5	Pass
				50	12.00	36.062	0.0437	-2.5 to 2.5	Pass
	65	12.00	37.134	0.0450	-2.5 to 2.5	Pass			
	836.5	6	0	20	9.00	32.052	0.0383	-2.5 to 2.5	Pass
					12.00	32.555	0.0389	-2.5 to 2.5	Pass
					30.00	32.164	0.0385	-2.5 to 2.5	Pass
				-20	12.00	32.723	0.0391	-2.5 to 2.5	Pass
				-10	12.00	33.066	0.0395	-2.5 to 2.5	Pass

				0	12.00	33.704	0.0403	-2.5 to 2.5	Pass
				10	12.00	33.956	0.0406	-2.5 to 2.5	Pass
				30	12.00	34.409	0.0411	-2.5 to 2.5	Pass
				40	12.00	35.008	0.0419	-2.5 to 2.5	Pass
				50	12.00	35.340	0.0422	-2.5 to 2.5	Pass
				65	12.00	35.594	0.0426	-2.5 to 2.5	Pass
	848.3	6	0	20	9.00	41.977	0.0495	-2.5 to 2.5	Pass
					12.00	43.182	0.0509	-2.5 to 2.5	Pass
					30.00	42.428	0.0500	-2.5 to 2.5	Pass
				-20	12.00	43.474	0.0512	-2.5 to 2.5	Pass
				-10	12.00	44.630	0.0526	-2.5 to 2.5	Pass
				0	12.00	45.458	0.0536	-2.5 to 2.5	Pass
				10	12.00	46.266	0.0545	-2.5 to 2.5	Pass
				30	12.00	47.605	0.0561	-2.5 to 2.5	Pass
				40	12.00	48.914	0.0577	-2.5 to 2.5	Pass
				50	12.00	-3.857	-0.0045	-2.5 to 2.5	Pass
				65	12.00	-2.974	-0.0035	-2.5 to 2.5	Pass

7.2 B5_3MHz

7.2.1 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	9.00	7.905	0.0096	-2.5 to 2.5	Pass
					12.00	22.236	0.0269	-2.5 to 2.5	Pass
					30.00	34.389	0.0417	-2.5 to 2.5	Pass
				-20	12.00	40.376	0.0489	-2.5 to 2.5	Pass
				-10	12.00	43.304	0.0525	-2.5 to 2.5	Pass
				0	12.00	-4.711	-0.0057	-2.5 to 2.5	Pass
				10	12.00	-3.365	-0.0041	-2.5 to 2.5	Pass
				30	12.00	-2.494	-0.0030	-2.5 to 2.5	Pass
				40	12.00	-1.435	-0.0017	-2.5 to 2.5	Pass
				50	12.00	-0.726	-0.0009	-2.5 to 2.5	Pass
				65	12.00	-0.583	-0.0007	-2.5 to 2.5	Pass
	836.5	15	0	20	9.00	-1.910	-0.0023	-2.5 to 2.5	Pass
					12.00	-2.345	-0.0028	-2.5 to 2.5	Pass
					30.00	-1.262	-0.0015	-2.5 to 2.5	Pass
				-20	12.00	-0.708	-0.0008	-2.5 to 2.5	Pass
				-10	12.00	-0.004	0.0000	-2.5 to 2.5	Pass
				0	12.00	0.473	0.0006	-2.5 to 2.5	Pass
				10	12.00	0.478	0.0006	-2.5 to 2.5	Pass
				30	12.00	0.912	0.0011	-2.5 to 2.5	Pass
				40	12.00	0.977	0.0012	-2.5 to 2.5	Pass
				50	12.00	0.909	0.0011	-2.5 to 2.5	Pass
				65	12.00	1.227	0.0015	-2.5 to 2.5	Pass
	847.5	15	0	20	9.00	0.751	0.0009	-2.5 to 2.5	Pass
					12.00	7.493	0.0088	-2.5 to 2.5	Pass
					30.00	17.396	0.0205	-2.5 to 2.5	Pass
				-20	12.00	22.556	0.0266	-2.5 to 2.5	Pass
				-10	12.00	23.952	0.0283	-2.5 to 2.5	Pass
				0	12.00	24.784	0.0292	-2.5 to 2.5	Pass
				10	12.00	24.835	0.0293	-2.5 to 2.5	Pass
				30	12.00	25.000	0.0295	-2.5 to 2.5	Pass

16QAM	825.5	15	0	40	12.00	25.031	0.0295	-2.5 to 2.5	Pass
				50	12.00	24.964	0.0295	-2.5 to 2.5	Pass
				65	12.00	24.937	0.0294	-2.5 to 2.5	Pass
	836.5	15	0	20	9.00	0.220	0.0003	-2.5 to 2.5	Pass
					12.00	0.575	0.0007	-2.5 to 2.5	Pass
					30.00	-0.607	-0.0007	-2.5 to 2.5	Pass
				-20	12.00	-0.578	-0.0007	-2.5 to 2.5	Pass
				-10	12.00	-0.512	-0.0006	-2.5 to 2.5	Pass
				0	12.00	-0.347	-0.0004	-2.5 to 2.5	Pass
				10	12.00	0.544	0.0007	-2.5 to 2.5	Pass
				30	12.00	1.184	0.0014	-2.5 to 2.5	Pass
				40	12.00	1.773	0.0021	-2.5 to 2.5	Pass
				50	12.00	2.350	0.0028	-2.5 to 2.5	Pass
				65	12.00	2.956	0.0036	-2.5 to 2.5	Pass
	847.5	15	0	20	9.00	2.223	0.0027	-2.5 to 2.5	Pass
					12.00	2.254	0.0027	-2.5 to 2.5	Pass
					30.00	1.187	0.0014	-2.5 to 2.5	Pass
				-20	12.00	0.919	0.0011	-2.5 to 2.5	Pass
				-10	12.00	0.704	0.0008	-2.5 to 2.5	Pass
				0	12.00	0.751	0.0009	-2.5 to 2.5	Pass
				10	12.00	0.293	0.0004	-2.5 to 2.5	Pass
				30	12.00	0.518	0.0006	-2.5 to 2.5	Pass
				40	12.00	0.617	0.0007	-2.5 to 2.5	Pass
				50	12.00	-0.142	-0.0002	-2.5 to 2.5	Pass
				65	12.00	-0.072	-0.0001	-2.5 to 2.5	Pass
				20	9.00	25.663	0.0303	-2.5 to 2.5	Pass
					12.00	24.984	0.0295	-2.5 to 2.5	Pass
					30.00	23.920	0.0282	-2.5 to 2.5	Pass
				-20	12.00	23.080	0.0272	-2.5 to 2.5	Pass
				-10	12.00	23.521	0.0278	-2.5 to 2.5	Pass
				0	12.00	23.400	0.0276	-2.5 to 2.5	Pass
				10	12.00	23.222	0.0274	-2.5 to 2.5	Pass
				30	12.00	23.218	0.0274	-2.5 to 2.5	Pass
				40	12.00	22.806	0.0269	-2.5 to 2.5	Pass
				50	12.00	22.869	0.0270	-2.5 to 2.5	Pass
				65	12.00	22.486	0.0265	-2.5 to 2.5	Pass

7.3 B5_5MHz

7.3.1 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	9.00	3.642	0.0044	-2.5 to 2.5	Pass
					12.00	-1.847	-0.0022	-2.5 to 2.5	Pass
					30.00	0.852	0.0010	-2.5 to 2.5	Pass
				-20	12.00	2.010	0.0024	-2.5 to 2.5	Pass
				-10	12.00	2.409	0.0029	-2.5 to 2.5	Pass
				0	12.00	2.476	0.0030	-2.5 to 2.5	Pass
				10	12.00	2.444	0.0030	-2.5 to 2.5	Pass
				30	12.00	2.322	0.0028	-2.5 to 2.5	Pass
				40	12.00	2.361	0.0029	-2.5 to 2.5	Pass
				50	12.00	1.969	0.0024	-2.5 to 2.5	Pass
				65	12.00	2.152	0.0026	-2.5 to 2.5	Pass

	836.5	25	0	20	9.00	-2.856	-0.0034	-2.5 to 2.5	Pass
					12.00	-1.806	-0.0022	-2.5 to 2.5	Pass
					30.00	7.617	0.0091	-2.5 to 2.5	Pass
				-20	12.00	11.650	0.0139	-2.5 to 2.5	Pass
				-10	12.00	13.756	0.0164	-2.5 to 2.5	Pass
				0	12.00	14.075	0.0168	-2.5 to 2.5	Pass
				10	12.00	14.417	0.0172	-2.5 to 2.5	Pass
				30	12.00	14.278	0.0171	-2.5 to 2.5	Pass
				40	12.00	14.693	0.0176	-2.5 to 2.5	Pass
				50	12.00	14.409	0.0172	-2.5 to 2.5	Pass
	846.5	25	0	20	9.00	-0.481	-0.0006	-2.5 to 2.5	Pass
					12.00	-0.892	-0.0011	-2.5 to 2.5	Pass
					30.00	0.509	0.0006	-2.5 to 2.5	Pass
				-20	12.00	1.878	0.0022	-2.5 to 2.5	Pass
				-10	12.00	2.174	0.0026	-2.5 to 2.5	Pass
				0	12.00	2.317	0.0027	-2.5 to 2.5	Pass
				10	12.00	2.002	0.0024	-2.5 to 2.5	Pass
				30	12.00	1.915	0.0023	-2.5 to 2.5	Pass
				40	12.00	1.976	0.0023	-2.5 to 2.5	Pass
				50	12.00	1.555	0.0018	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	9.00	1.543	0.0019	-2.5 to 2.5	Pass
					12.00	1.232	0.0015	-2.5 to 2.5	Pass
					30.00	0.323	0.0004	-2.5 to 2.5	Pass
				-20	12.00	-0.156	-0.0002	-2.5 to 2.5	Pass
				-10	12.00	-0.515	-0.0006	-2.5 to 2.5	Pass
				0	12.00	-0.981	-0.0012	-2.5 to 2.5	Pass
				10	12.00	-0.521	-0.0006	-2.5 to 2.5	Pass
				30	12.00	-1.290	-0.0016	-2.5 to 2.5	Pass
				40	12.00	-1.168	-0.0014	-2.5 to 2.5	Pass
				50	12.00	-1.063	-0.0013	-2.5 to 2.5	Pass
	836.5	25	0	20	9.00	15.109	0.0181	-2.5 to 2.5	Pass
					12.00	15.107	0.0181	-2.5 to 2.5	Pass
					30.00	14.445	0.0173	-2.5 to 2.5	Pass
				-20	12.00	13.593	0.0162	-2.5 to 2.5	Pass
				-10	12.00	13.319	0.0159	-2.5 to 2.5	Pass
				0	12.00	12.898	0.0154	-2.5 to 2.5	Pass
				10	12.00	12.884	0.0154	-2.5 to 2.5	Pass
				30	12.00	12.949	0.0155	-2.5 to 2.5	Pass
				40	12.00	13.064	0.0156	-2.5 to 2.5	Pass
				50	12.00	13.070	0.0156	-2.5 to 2.5	Pass
	846.5	25	0	20	9.00	13.662	0.0163	-2.5 to 2.5	Pass
					12.00	1.200	0.0014	-2.5 to 2.5	Pass
					30.00	0.903	0.0011	-2.5 to 2.5	Pass
				-20	12.00	-0.045	-0.0001	-2.5 to 2.5	Pass
				-10	12.00	-0.159	-0.0002	-2.5 to 2.5	Pass
				-10	12.00	-0.543	-0.0006	-2.5 to 2.5	Pass
				0	12.00	-0.334	-0.0004	-2.5 to 2.5	Pass
				10	12.00	-0.044	-0.0001	-2.5 to 2.5	Pass
				30	12.00	-0.298	-0.0004	-2.5 to 2.5	Pass
				40	12.00	-0.106	-0.0001	-2.5 to 2.5	Pass
				50	12.00	-0.051	-0.0001	-2.5 to 2.5	Pass
				65	12.00	-0.234	-0.0003	-2.5 to 2.5	Pass

7.4 B5_10MHz

7.4.1 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	9.00	-0.566	-0.0007	-2.5 to 2.5	Pass
					12.00	5.108	0.0062	-2.5 to 2.5	Pass
					30.00	13.067	0.0158	-2.5 to 2.5	Pass
				-20	12.00	15.822	0.0191	-2.5 to 2.5	Pass
				-10	12.00	17.771	0.0214	-2.5 to 2.5	Pass
				0	12.00	18.364	0.0222	-2.5 to 2.5	Pass
				10	12.00	18.603	0.0224	-2.5 to 2.5	Pass
				30	12.00	19.020	0.0229	-2.5 to 2.5	Pass
				40	12.00	19.154	0.0231	-2.5 to 2.5	Pass
				50	12.00	19.980	0.0241	-2.5 to 2.5	Pass
				65	12.00	19.421	0.0234	-2.5 to 2.5	Pass
	836.5	50	0	20	9.00	2.606	0.0031	-2.5 to 2.5	Pass
					12.00	2.497	0.0030	-2.5 to 2.5	Pass
					30.00	3.365	0.0040	-2.5 to 2.5	Pass
				-20	12.00	3.386	0.0040	-2.5 to 2.5	Pass
				-10	12.00	3.528	0.0042	-2.5 to 2.5	Pass
				0	12.00	3.817	0.0046	-2.5 to 2.5	Pass
				10	12.00	4.079	0.0049	-2.5 to 2.5	Pass
				30	12.00	4.514	0.0054	-2.5 to 2.5	Pass
				40	12.00	4.474	0.0053	-2.5 to 2.5	Pass
				50	12.00	4.441	0.0053	-2.5 to 2.5	Pass
				65	12.00	4.691	0.0056	-2.5 to 2.5	Pass
	844	50	0	20	9.00	-2.941	-0.0035	-2.5 to 2.5	Pass
					12.00	-2.944	-0.0035	-2.5 to 2.5	Pass
					30.00	-1.795	-0.0021	-2.5 to 2.5	Pass
				-20	12.00	-1.407	-0.0017	-2.5 to 2.5	Pass
				-10	12.00	-0.792	-0.0009	-2.5 to 2.5	Pass
				0	12.00	-1.451	-0.0017	-2.5 to 2.5	Pass
				10	12.00	-1.141	-0.0014	-2.5 to 2.5	Pass
				30	12.00	-1.485	-0.0018	-2.5 to 2.5	Pass
				40	12.00	-1.832	-0.0022	-2.5 to 2.5	Pass
				50	12.00	-1.429	-0.0017	-2.5 to 2.5	Pass
				65	12.00	-1.948	-0.0023	-2.5 to 2.5	Pass
16QAM	829	50	0	20	9.00	19.449	0.0235	-2.5 to 2.5	Pass
					12.00	19.606	0.0237	-2.5 to 2.5	Pass
					30.00	19.263	0.0232	-2.5 to 2.5	Pass
				-20	12.00	19.358	0.0234	-2.5 to 2.5	Pass
				-10	12.00	19.993	0.0241	-2.5 to 2.5	Pass
				0	12.00	19.710	0.0238	-2.5 to 2.5	Pass
				10	12.00	19.897	0.0240	-2.5 to 2.5	Pass
				30	12.00	20.089	0.0242	-2.5 to 2.5	Pass
				40	12.00	20.647	0.0249	-2.5 to 2.5	Pass
				50	12.00	20.891	0.0252	-2.5 to 2.5	Pass
				65	12.00	20.771	0.0251	-2.5 to 2.5	Pass
	836.5	50	0	20	9.00	4.609	0.0055	-2.5 to 2.5	Pass
					12.00	4.668	0.0056	-2.5 to 2.5	Pass
					30.00	4.282	0.0051	-2.5 to 2.5	Pass
				-20	12.00	3.539	0.0042	-2.5 to 2.5	Pass
				-10	12.00	3.540	0.0042	-2.5 to 2.5	Pass

				0	12.00	3.848	0.0046	-2.5 to 2.5	Pass
				10	12.00	3.613	0.0043	-2.5 to 2.5	Pass
				30	12.00	3.901	0.0047	-2.5 to 2.5	Pass
				40	12.00	3.769	0.0045	-2.5 to 2.5	Pass
				50	12.00	3.708	0.0044	-2.5 to 2.5	Pass
				65	12.00	4.153	0.0050	-2.5 to 2.5	Pass
	844	50	0	20	9.00	-1.902	-0.0023	-2.5 to 2.5	Pass
					12.00	-1.909	-0.0023	-2.5 to 2.5	Pass
					30.00	-2.584	-0.0031	-2.5 to 2.5	Pass
				-20	12.00	-3.294	-0.0039	-2.5 to 2.5	Pass
				-10	12.00	-3.604	-0.0043	-2.5 to 2.5	Pass
				0	12.00	-4.244	-0.0050	-2.5 to 2.5	Pass
				10	12.00	-3.942	-0.0047	-2.5 to 2.5	Pass
				30	12.00	-4.037	-0.0048	-2.5 to 2.5	Pass
				40	12.00	-4.481	-0.0053	-2.5 to 2.5	Pass
				50	12.00	-5.032	-0.0060	-2.5 to 2.5	Pass
				65	12.00	-4.960	-0.0059	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B7_5MHz

8.1.1 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	9.00	12.284	0.0049	-2.5 to 2.5	Pass
					12.00	-5.030	-0.0020	-2.5 to 2.5	Pass
					30.00	2.067	0.0008	-2.5 to 2.5	Pass
				-20	12.00	3.807	0.0015	-2.5 to 2.5	Pass
				-10	12.00	5.420	0.0022	-2.5 to 2.5	Pass
				0	12.00	5.133	0.0021	-2.5 to 2.5	Pass
				10	12.00	3.669	0.0015	-2.5 to 2.5	Pass
				30	12.00	1.567	0.0006	-2.5 to 2.5	Pass
				40	12.00	1.919	0.0008	-2.5 to 2.5	Pass
				50	12.00	2.183	0.0009	-2.5 to 2.5	Pass
				65	12.00	-0.014	0.0000	-2.5 to 2.5	Pass
	2535	25	0	20	9.00	-27.801	-0.0110	-2.5 to 2.5	Pass
					12.00	-30.170	-0.0119	-2.5 to 2.5	Pass
					30.00	-29.091	-0.0115	-2.5 to 2.5	Pass
				-20	12.00	-29.125	-0.0115	-2.5 to 2.5	Pass
				-10	12.00	-28.431	-0.0112	-2.5 to 2.5	Pass
				0	12.00	-28.649	-0.0113	-2.5 to 2.5	Pass
				10	12.00	-29.269	-0.0115	-2.5 to 2.5	Pass
				30	12.00	-29.230	-0.0115	-2.5 to 2.5	Pass
				40	12.00	-29.332	-0.0116	-2.5 to 2.5	Pass
				50	12.00	-29.295	-0.0116	-2.5 to 2.5	Pass
				65	12.00	-29.767	-0.0117	-2.5 to 2.5	Pass
	2567.5	25	0	20	9.00	-12.838	-0.0050	-2.5 to 2.5	Pass
					12.00	-17.833	-0.0069	-2.5 to 2.5	Pass
					30.00	-11.265	-0.0044	-2.5 to 2.5	Pass
				-20	12.00	-10.692	-0.0042	-2.5 to 2.5	Pass
				-10	12.00	-8.931	-0.0035	-2.5 to 2.5	Pass

				0	12.00	-6.834	-0.0027	-2.5 to 2.5	Pass
				10	12.00	-8.019	-0.0031	-2.5 to 2.5	Pass
				30	12.00	-7.283	-0.0028	-2.5 to 2.5	Pass
				40	12.00	-6.085	-0.0024	-2.5 to 2.5	Pass
				50	12.00	-7.528	-0.0029	-2.5 to 2.5	Pass
				65	12.00	-7.250	-0.0028	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	9.00	-0.853	-0.0003	-2.5 to 2.5	Pass
					12.00	4.222	0.0017	-2.5 to 2.5	Pass
					30.00	7.354	0.0029	-2.5 to 2.5	Pass
				-20	12.00	26.778	0.0107	-2.5 to 2.5	Pass
				-10	12.00	35.787	0.0143	-2.5 to 2.5	Pass
				0	12.00	39.968	0.0160	-2.5 to 2.5	Pass
				10	12.00	3.574	0.0014	-2.5 to 2.5	Pass
				30	12.00	4.493	0.0018	-2.5 to 2.5	Pass
				40	12.00	4.094	0.0016	-2.5 to 2.5	Pass
				50	12.00	3.487	0.0014	-2.5 to 2.5	Pass
				65	12.00	4.129	0.0016	-2.5 to 2.5	Pass
	2535	25	0	20	9.00	-29.909	-0.0118	-2.5 to 2.5	Pass
					12.00	-29.126	-0.0115	-2.5 to 2.5	Pass
					30.00	-31.528	-0.0124	-2.5 to 2.5	Pass
				-20	12.00	-32.533	-0.0128	-2.5 to 2.5	Pass
				-10	12.00	-32.190	-0.0127	-2.5 to 2.5	Pass
				0	12.00	-32.486	-0.0128	-2.5 to 2.5	Pass
				10	12.00	-32.261	-0.0127	-2.5 to 2.5	Pass
				30	12.00	-32.429	-0.0128	-2.5 to 2.5	Pass
				40	12.00	-32.303	-0.0127	-2.5 to 2.5	Pass
				50	12.00	-33.248	-0.0131	-2.5 to 2.5	Pass
				65	12.00	-31.958	-0.0126	-2.5 to 2.5	Pass
	2567.5	25	0	20	9.00	-7.538	-0.0029	-2.5 to 2.5	Pass
					12.00	-6.343	-0.0025	-2.5 to 2.5	Pass
					30.00	-8.014	-0.0031	-2.5 to 2.5	Pass
				-20	12.00	-9.073	-0.0035	-2.5 to 2.5	Pass
				-10	12.00	-9.280	-0.0036	-2.5 to 2.5	Pass
				0	12.00	-9.898	-0.0039	-2.5 to 2.5	Pass
				10	12.00	-10.351	-0.0040	-2.5 to 2.5	Pass
				30	12.00	-10.007	-0.0039	-2.5 to 2.5	Pass
				40	12.00	-10.259	-0.0040	-2.5 to 2.5	Pass
				50	12.00	-9.113	-0.0035	-2.5 to 2.5	Pass
				65	12.00	-9.652	-0.0038	-2.5 to 2.5	Pass

8.2 B7_10MHz

8.2.1 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	9.00	32.172	0.0128	-2.5 to 2.5	Pass
					12.00	17.828	0.0071	-2.5 to 2.5	Pass
					30.00	24.142	0.0096	-2.5 to 2.5	Pass
				-20	12.00	28.725	0.0115	-2.5 to 2.5	Pass
				-10	12.00	30.686	0.0122	-2.5 to 2.5	Pass
				0	12.00	31.104	0.0124	-2.5 to 2.5	Pass
				10	12.00	31.750	0.0127	-2.5 to 2.5	Pass
				30	12.00	30.271	0.0121	-2.5 to 2.5	Pass

	2535	50	0	40	12.00	31.731	0.0127	-2.5 to 2.5	Pass			
				50	12.00	10.901	0.0044	-2.5 to 2.5	Pass			
				65	12.00	12.192	0.0049	-2.5 to 2.5	Pass			
				20	9.00	-21.903	-0.0086	-2.5 to 2.5	Pass			
					12.00	-23.950	-0.0094	-2.5 to 2.5	Pass			
					30.00	-26.971	-0.0106	-2.5 to 2.5	Pass			
				-20	12.00	-27.991	-0.0110	-2.5 to 2.5	Pass			
				-10	12.00	-27.574	-0.0109	-2.5 to 2.5	Pass			
				0	12.00	-28.147	-0.0111	-2.5 to 2.5	Pass			
				10	12.00	-28.389	-0.0112	-2.5 to 2.5	Pass			
				30	12.00	-27.943	-0.0110	-2.5 to 2.5	Pass			
				40	12.00	-27.055	-0.0107	-2.5 to 2.5	Pass			
				50	12.00	-26.782	-0.0106	-2.5 to 2.5	Pass			
				65	12.00	-26.740	-0.0105	-2.5 to 2.5	Pass			
				2565	50	0	20	9.00	-29.221	-0.0114	-2.5 to 2.5	Pass
	12.00	-32.331	-0.0126					-2.5 to 2.5	Pass			
	30.00	-28.872	-0.0113					-2.5 to 2.5	Pass			
	-20	12.00	-27.147				-0.0106	-2.5 to 2.5	Pass			
	-10	12.00	-26.418				-0.0103	-2.5 to 2.5	Pass			
	0	12.00	-26.190				-0.0102	-2.5 to 2.5	Pass			
	10	12.00	-27.467				-0.0107	-2.5 to 2.5	Pass			
	30	12.00	-26.664				-0.0104	-2.5 to 2.5	Pass			
	40	12.00	-27.969				-0.0109	-2.5 to 2.5	Pass			
	50	12.00	-27.573				-0.0107	-2.5 to 2.5	Pass			
	65	12.00	-27.136				-0.0106	-2.5 to 2.5	Pass			
	16QAM	2505	50				0	20	9.00	36.420	0.0145	-2.5 to 2.5
				12.00	46.763	0.0187			-2.5 to 2.5	Pass		
30.00				51.188	0.0204	-2.5 to 2.5			Pass			
-20				12.00	16.815	0.0067		-2.5 to 2.5	Pass			
-10				12.00	17.427	0.0070		-2.5 to 2.5	Pass			
0				12.00	16.815	0.0067		-2.5 to 2.5	Pass			
10				12.00	17.111	0.0068		-2.5 to 2.5	Pass			
30				12.00	17.357	0.0069		-2.5 to 2.5	Pass			
40				12.00	17.728	0.0071		-2.5 to 2.5	Pass			
50				12.00	18.146	0.0072		-2.5 to 2.5	Pass			
65				12.00	17.811	0.0071		-2.5 to 2.5	Pass			
2535				50	0	20		9.00	-27.300	-0.0108	-2.5 to 2.5	Pass
								12.00	-26.131	-0.0103	-2.5 to 2.5	Pass
								30.00	-25.522	-0.0101	-2.5 to 2.5	Pass
						-20		12.00	-25.567	-0.0101	-2.5 to 2.5	Pass
		-10	12.00			-25.235	-0.0100	-2.5 to 2.5	Pass			
		0	12.00			-26.421	-0.0104	-2.5 to 2.5	Pass			
		10	12.00			-24.969	-0.0098	-2.5 to 2.5	Pass			
		30	12.00			-25.825	-0.0102	-2.5 to 2.5	Pass			
		40	12.00			-25.729	-0.0101	-2.5 to 2.5	Pass			
		50	12.00			-24.761	-0.0098	-2.5 to 2.5	Pass			
		65	12.00			-25.495	-0.0101	-2.5 to 2.5	Pass			
		2565	50			0	20	9.00	-27.808	-0.0108	-2.5 to 2.5	Pass
12.00				-27.323	-0.0107			-2.5 to 2.5	Pass			
30.00				-26.589	-0.0104			-2.5 to 2.5	Pass			
-20				12.00	-27.422		-0.0107	-2.5 to 2.5	Pass			
-10				12.00	-27.666		-0.0108	-2.5 to 2.5	Pass			
0				12.00	-28.675		-0.0112	-2.5 to 2.5	Pass			
10				12.00	-28.439		-0.0111	-2.5 to 2.5	Pass			
30				12.00	-29.568		-0.0115	-2.5 to 2.5	Pass			
40				12.00	-29.673		-0.0116	-2.5 to 2.5	Pass			
50				12.00	-29.964		-0.0117	-2.5 to 2.5	Pass			

				65	12.00	-29.813	-0.0116	-2.5 to 2.5	Pass
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8.3 B7_15MHz

8.3.1 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	9.00	31.296	0.0125	-2.5 to 2.5	Pass
					12.00	12.140	0.0048	-2.5 to 2.5	Pass
					30.00	16.622	0.0066	-2.5 to 2.5	Pass
				-20	12.00	21.766	0.0087	-2.5 to 2.5	Pass
				-10	12.00	22.631	0.0090	-2.5 to 2.5	Pass
				0	12.00	-0.749	-0.0003	-2.5 to 2.5	Pass
				10	12.00	0.983	0.0004	-2.5 to 2.5	Pass
				30	12.00	27.376	0.0109	-2.5 to 2.5	Pass
				40	12.00	39.371	0.0157	-2.5 to 2.5	Pass
				50	12.00	8.045	0.0032	-2.5 to 2.5	Pass
				65	12.00	9.024	0.0036	-2.5 to 2.5	Pass
	2535	75	0	20	9.00	20.979	0.0083	-2.5 to 2.5	Pass
					12.00	19.433	0.0077	-2.5 to 2.5	Pass
					30.00	18.416	0.0073	-2.5 to 2.5	Pass
				-20	12.00	18.620	0.0073	-2.5 to 2.5	Pass
				-10	12.00	18.860	0.0074	-2.5 to 2.5	Pass
				0	12.00	19.176	0.0076	-2.5 to 2.5	Pass
				10	12.00	19.317	0.0076	-2.5 to 2.5	Pass
				30	12.00	20.234	0.0080	-2.5 to 2.5	Pass
				40	12.00	19.623	0.0077	-2.5 to 2.5	Pass
				50	12.00	19.511	0.0077	-2.5 to 2.5	Pass
				65	12.00	19.169	0.0076	-2.5 to 2.5	Pass
	2562.5	75	0	20	9.00	-25.008	-0.0098	-2.5 to 2.5	Pass
					12.00	-28.886	-0.0113	-2.5 to 2.5	Pass
					30.00	-23.204	-0.0091	-2.5 to 2.5	Pass
				-20	12.00	-20.304	-0.0079	-2.5 to 2.5	Pass
				-10	12.00	-18.534	-0.0072	-2.5 to 2.5	Pass
				0	12.00	-18.573	-0.0072	-2.5 to 2.5	Pass
				10	12.00	-18.697	-0.0073	-2.5 to 2.5	Pass
				30	12.00	-17.540	-0.0068	-2.5 to 2.5	Pass
				40	12.00	-16.017	-0.0063	-2.5 to 2.5	Pass
				50	12.00	-17.381	-0.0068	-2.5 to 2.5	Pass
				65	12.00	-17.288	-0.0067	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	9.00	9.122	0.0036	-2.5 to 2.5	Pass
					12.00	10.726	0.0043	-2.5 to 2.5	Pass
					30.00	6.945	0.0028	-2.5 to 2.5	Pass
				-20	12.00	5.014	0.0020	-2.5 to 2.5	Pass
				-10	12.00	3.119	0.0012	-2.5 to 2.5	Pass
				0	12.00	2.338	0.0009	-2.5 to 2.5	Pass
				10	12.00	1.291	0.0005	-2.5 to 2.5	Pass
				30	12.00	0.968	0.0004	-2.5 to 2.5	Pass
				40	12.00	0.269	0.0001	-2.5 to 2.5	Pass
				50	12.00	-0.219	-0.0001	-2.5 to 2.5	Pass
				65	12.00	-0.353	-0.0001	-2.5 to 2.5	Pass
	2535	75	0	20	9.00	19.838	0.0078	-2.5 to 2.5	Pass
					12.00	20.150	0.0079	-2.5 to 2.5	Pass

					30.00	17.367	0.0069	-2.5 to 2.5	Pass
				-20	12.00	15.281	0.0060	-2.5 to 2.5	Pass
				-10	12.00	14.620	0.0058	-2.5 to 2.5	Pass
				0	12.00	14.501	0.0057	-2.5 to 2.5	Pass
				10	12.00	15.128	0.0060	-2.5 to 2.5	Pass
				30	12.00	14.367	0.0057	-2.5 to 2.5	Pass
				40	12.00	15.499	0.0061	-2.5 to 2.5	Pass
				50	12.00	14.689	0.0058	-2.5 to 2.5	Pass
	2562.5	75	0	65	12.00	14.267	0.0056	-2.5 to 2.5	Pass
				20	9.00	-16.881	-0.0066	-2.5 to 2.5	Pass
					12.00	-14.663	-0.0057	-2.5 to 2.5	Pass
					30.00	-20.400	-0.0080	-2.5 to 2.5	Pass
				-20	12.00	-21.726	-0.0085	-2.5 to 2.5	Pass
				-10	12.00	-23.133	-0.0090	-2.5 to 2.5	Pass
				0	12.00	-24.812	-0.0097	-2.5 to 2.5	Pass
				10	12.00	-26.135	-0.0102	-2.5 to 2.5	Pass
				30	12.00	-25.135	-0.0098	-2.5 to 2.5	Pass
				40	12.00	-23.941	-0.0093	-2.5 to 2.5	Pass
				50	12.00	-25.129	-0.0098	-2.5 to 2.5	Pass
				65	12.00	-27.795	-0.0108	-2.5 to 2.5	Pass

8.4 B7_20MHz

8.4.1 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	9.00	43.050	0.0172	-2.5 to 2.5	Pass
					12.00	19.692	0.0078	-2.5 to 2.5	Pass
					30.00	22.351	0.0089	-2.5 to 2.5	Pass
				-20	12.00	49.756	0.0198	-2.5 to 2.5	Pass
				-10	12.00	25.918	0.0103	-2.5 to 2.5	Pass
				0	12.00	31.197	0.0124	-2.5 to 2.5	Pass
				10	12.00	34.423	0.0137	-2.5 to 2.5	Pass
				30	12.00	35.535	0.0142	-2.5 to 2.5	Pass
				40	12.00	36.824	0.0147	-2.5 to 2.5	Pass
				50	12.00	37.463	0.0149	-2.5 to 2.5	Pass
				65	12.00	36.892	0.0147	-2.5 to 2.5	Pass
	2535	100	0	20	9.00	23.015	0.0091	-2.5 to 2.5	Pass
					12.00	21.151	0.0083	-2.5 to 2.5	Pass
					30.00	18.986	0.0075	-2.5 to 2.5	Pass
				-20	12.00	19.225	0.0076	-2.5 to 2.5	Pass
				-10	12.00	20.091	0.0079	-2.5 to 2.5	Pass
				0	12.00	20.067	0.0079	-2.5 to 2.5	Pass
				10	12.00	20.861	0.0082	-2.5 to 2.5	Pass
				30	12.00	21.201	0.0084	-2.5 to 2.5	Pass
				40	12.00	21.578	0.0085	-2.5 to 2.5	Pass
				50	12.00	22.877	0.0090	-2.5 to 2.5	Pass
				65	12.00	22.492	0.0089	-2.5 to 2.5	Pass
	2560	100	0	20	9.00	8.982	0.0035	-2.5 to 2.5	Pass
					12.00	8.926	0.0035	-2.5 to 2.5	Pass
					30.00	15.004	0.0059	-2.5 to 2.5	Pass
				-20	12.00	17.686	0.0069	-2.5 to 2.5	Pass
				-10	12.00	19.386	0.0076	-2.5 to 2.5	Pass

16QAM				0	12.00	19.352	0.0076	-2.5 to 2.5	Pass
				10	12.00	21.737	0.0085	-2.5 to 2.5	Pass
				30	12.00	21.163	0.0083	-2.5 to 2.5	Pass
				40	12.00	22.153	0.0087	-2.5 to 2.5	Pass
				50	12.00	22.513	0.0088	-2.5 to 2.5	Pass
				65	12.00	23.099	0.0090	-2.5 to 2.5	Pass
	2510	100	0	20	9.00	37.848	0.0151	-2.5 to 2.5	Pass
					12.00	40.381	0.0161	-2.5 to 2.5	Pass
					30.00	40.734	0.0162	-2.5 to 2.5	Pass
				-20	12.00	41.205	0.0164	-2.5 to 2.5	Pass
				-10	12.00	41.906	0.0167	-2.5 to 2.5	Pass
				0	12.00	41.289	0.0164	-2.5 to 2.5	Pass
				10	12.00	43.562	0.0174	-2.5 to 2.5	Pass
				30	12.00	44.214	0.0176	-2.5 to 2.5	Pass
				40	12.00	44.687	0.0178	-2.5 to 2.5	Pass
				50	12.00	46.018	0.0183	-2.5 to 2.5	Pass
				65	12.00	46.614	0.0186	-2.5 to 2.5	Pass
	2535	100	0	20	9.00	22.953	0.0091	-2.5 to 2.5	Pass
					12.00	22.342	0.0088	-2.5 to 2.5	Pass
					30.00	22.724	0.0090	-2.5 to 2.5	Pass
				-20	12.00	22.389	0.0088	-2.5 to 2.5	Pass
				-10	12.00	24.476	0.0097	-2.5 to 2.5	Pass
				0	12.00	24.712	0.0097	-2.5 to 2.5	Pass
				10	12.00	26.003	0.0103	-2.5 to 2.5	Pass
				30	12.00	25.493	0.0101	-2.5 to 2.5	Pass
				40	12.00	-12.202	-0.0048	-2.5 to 2.5	Pass
				50	12.00	-10.788	-0.0043	-2.5 to 2.5	Pass
	2560	100	0	65	12.00	9.267	0.0037	-2.5 to 2.5	Pass
				20	9.00	22.286	0.0087	-2.5 to 2.5	Pass
					12.00	24.161	0.0094	-2.5 to 2.5	Pass
					30.00	22.439	0.0088	-2.5 to 2.5	Pass
				-20	12.00	21.999	0.0086	-2.5 to 2.5	Pass
				-10	12.00	22.653	0.0088	-2.5 to 2.5	Pass
				0	12.00	22.860	0.0089	-2.5 to 2.5	Pass
				10	12.00	23.443	0.0092	-2.5 to 2.5	Pass
				30	12.00	24.989	0.0098	-2.5 to 2.5	Pass
				40	12.00	24.830	0.0097	-2.5 to 2.5	Pass
				50	12.00	25.907	0.0101	-2.5 to 2.5	Pass
				65	12.00	27.256	0.0106	-2.5 to 2.5	Pass