



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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1. Frequency Stability

1.1 B12_1.4MHz

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	0.846	0.0012	-2.5 to 2.5	Pass
					3.85	2.831	0.0040	-2.5 to 2.5	Pass
					4.43	0.395	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.344	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-0.315	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.171	0.0031	-2.5 to 2.5	Pass
				0	3.85	2.192	0.0031	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0021	-2.5 to 2.5	Pass
				30	3.85	0.451	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.061	0.0029	-2.5 to 2.5	Pass
				50	3.85	2.728	0.0039	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.398	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.733	-0.0024	-2.5 to 2.5	Pass
					4.43	-0.071	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.608	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.100	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.954	0.0028	-2.5 to 2.5	Pass
				0	3.85	-1.181	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.072	-0.0015	-2.5 to 2.5	Pass
				30	3.85	0.306	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.520	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	0.833	0.0012	-2.5 to 2.5	Pass
					3.85	2.094	0.0029	-2.5 to 2.5	Pass
					4.43	0.986	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.648	0.0023	-2.5 to 2.5	Pass
				-20	3.85	2.545	0.0036	-2.5 to 2.5	Pass
				-10	3.85	1.075	0.0015	-2.5 to 2.5	Pass
				0	3.85	0.760	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.602	0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.720	-0.0024	-2.5 to 2.5	Pass
				40	3.85	1.762	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.069	0.0029	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	0.773	0.0011	-2.5 to 2.5	Pass
					3.85	3.077	0.0044	-2.5 to 2.5	Pass
					4.43	3.598	0.0051	-2.5 to 2.5	Pass



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				-30	3.85	2.198	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-0.171	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.824	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.306	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.840	-0.0012	-2.5 to 2.5	Pass
				30	3.85	2.181	0.0031	-2.5 to 2.5	Pass
				40	3.85	1.524	0.0022	-2.5 to 2.5	Pass
				50	3.85	1.874	0.0027	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-3.407	-0.0048	-2.5 to 2.5	Pass
					3.85	-3.336	-0.0047	-2.5 to 2.5	Pass
					4.43	-1.973	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.462	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-1.265	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.311	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.334	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.769	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-1.707	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.239	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-0.627	-0.0009	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-0.297	-0.0004	-2.5 to 2.5	Pass
					3.85	0.240	0.0003	-2.5 to 2.5	Pass
					4.43	3.753	0.0052	-2.5 to 2.5	Pass
				-30	3.85	-1.491	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	0.962	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.218	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.221	0.0017	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.192	-0.0017	-2.5 to 2.5	Pass
				40	3.85	0.604	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.666	-0.0009	-2.5 to 2.5	Pass

1.2 B12_3MHz

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	0.540	0.0008	-2.5 to 2.5	Pass
					3.85	-0.214	-0.0003	-2.5 to 2.5	Pass
					4.43	1.360	0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.645	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.805	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	1.767	0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.095	-0.0016	-2.5 to 2.5	Pass



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16QAM				10	3.85	-1.077	-0.0015	-2.5 to 2.5	Pass
				30	3.85	2.193	0.0031	-2.5 to 2.5	Pass
				40	3.85	-0.402	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-3.063	-0.0044	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.622	0.0009	-2.5 to 2.5	Pass
					3.85	0.360	0.0005	-2.5 to 2.5	Pass
					4.43	1.832	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.081	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.749	0.0025	-2.5 to 2.5	Pass
				-10	3.85	1.122	0.0016	-2.5 to 2.5	Pass
				0	3.85	2.748	0.0039	-2.5 to 2.5	Pass
				10	3.85	0.119	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.625	-0.0009	-2.5 to 2.5	Pass
				40	3.85	2.312	0.0033	-2.5 to 2.5	Pass
				50	3.85	3.747	0.0053	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	2.568	0.0036	-2.5 to 2.5	Pass
					3.85	-0.618	-0.0009	-2.5 to 2.5	Pass
					4.43	2.969	0.0042	-2.5 to 2.5	Pass
				-30	3.85	1.069	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.669	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.472	0.0021	-2.5 to 2.5	Pass
				0	3.85	0.983	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.903	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.067	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.306	0.0018	-2.5 to 2.5	Pass
				50	3.85	0.717	0.0010	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	-2.445	-0.0035	-2.5 to 2.5	Pass
					3.85	2.417	0.0035	-2.5 to 2.5	Pass
					4.43	-1.410	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.711	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.492	0.0036	-2.5 to 2.5	Pass
				-10	3.85	0.151	0.0002	-2.5 to 2.5	Pass
				0	3.85	2.633	0.0038	-2.5 to 2.5	Pass
				10	3.85	1.782	0.0025	-2.5 to 2.5	Pass
				30	3.85	0.306	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.459	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.252	0.0004	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-1.330	-0.0019	-2.5 to 2.5	Pass
					3.85	1.399	0.0020	-2.5 to 2.5	Pass
					4.43	0.423	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.457	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-0.762	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.344	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.188	-0.0031	-2.5 to 2.5	Pass
				10	3.85	0.538	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.203	-0.0003	-2.5 to 2.5	Pass
				40	3.85	1.616	0.0023	-2.5 to 2.5	Pass



				50	3.85	1.551	0.0022	-2.5 to 2.5	Pass
				20	3.27	-0.957	-0.0013	-2.5 to 2.5	Pass
					3.85	0.549	0.0008	-2.5 to 2.5	Pass
					4.43	-0.234	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.330	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.279	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.017	-0.0014	-2.5 to 2.5	Pass
				0	3.85	2.109	0.0030	-2.5 to 2.5	Pass
				10	3.85	1.598	0.0022	-2.5 to 2.5	Pass
				30	3.85	-0.597	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.623	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.417	0.0006	-2.5 to 2.5	Pass

1.3 B12_5MHz

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	1.119	0.0016	-2.5 to 2.5	Pass
					3.85	0.959	0.0014	-2.5 to 2.5	Pass
					4.43	-0.707	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.546	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.333	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.630	0.0023	-2.5 to 2.5	Pass
				0	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.584	-0.0037	-2.5 to 2.5	Pass
				30	3.85	0.482	0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.990	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-2.448	-0.0035	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	2.697	0.0038	-2.5 to 2.5	Pass
					3.85	0.262	0.0004	-2.5 to 2.5	Pass
					4.43	-0.276	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.388	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	3.155	0.0045	-2.5 to 2.5	Pass
				-10	3.85	-1.814	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.720	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-0.460	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.935	0.0041	-2.5 to 2.5	Pass
				40	3.85	3.013	0.0043	-2.5 to 2.5	Pass
				50	3.85	1.670	0.0024	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.516	0.0007	-2.5 to 2.5	Pass
					3.85	-1.042	-0.0015	-2.5 to 2.5	Pass
					4.43	0.760	0.0011	-2.5 to 2.5	Pass



				-30	3.85	1.080	0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.512	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.369	-0.0019	-2.5 to 2.5	Pass
				0	3.85	0.800	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.859	0.0026	-2.5 to 2.5	Pass
				30	3.85	-0.840	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				50	3.85	0.683	0.0010	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	1.276	0.0018	-2.5 to 2.5	Pass
					3.85	1.342	0.0019	-2.5 to 2.5	Pass
					4.43	1.055	0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.516	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.134	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-1.793	-0.0026	-2.5 to 2.5	Pass
				0	3.85	0.133	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.809	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.301	0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.826	-0.0012	-2.5 to 2.5	Pass
				50	3.85	2.003	0.0029	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.660	0.0009	-2.5 to 2.5	Pass
					3.85	-3.479	-0.0049	-2.5 to 2.5	Pass
					4.43	-0.017	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.296	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.859	0.0026	-2.5 to 2.5	Pass
				-10	3.85	0.618	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.961	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.032	-0.0015	-2.5 to 2.5	Pass
				30	3.85	1.528	0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.953	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.248	-0.0004	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.339	0.0019	-2.5 to 2.5	Pass
					3.85	0.137	0.0002	-2.5 to 2.5	Pass
					4.43	1.958	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.758	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.230	0.0045	-2.5 to 2.5	Pass
				-10	3.85	1.841	0.0026	-2.5 to 2.5	Pass
				0	3.85	-0.312	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.493	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.680	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.898	0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.553	-0.0008	-2.5 to 2.5	Pass

1.4 B12_10MHz



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1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	0.305	0.0004	-2.5 to 2.5	Pass
					3.85	-1.000	-0.0014	-2.5 to 2.5	Pass
					4.43	1.184	0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.068	0.0029	-2.5 to 2.5	Pass
				-20	3.85	2.199	0.0031	-2.5 to 2.5	Pass
				-10	3.85	3.440	0.0049	-2.5 to 2.5	Pass
				0	3.85	-1.213	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-1.505	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.419	-0.0034	-2.5 to 2.5	Pass
				50	3.85	1.328	0.0019	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	1.996	0.0028	-2.5 to 2.5	Pass
					3.85	1.898	0.0027	-2.5 to 2.5	Pass
					4.43	-1.755	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	0.095	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.816	0.0026	-2.5 to 2.5	Pass
				-10	3.85	0.657	0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.213	-0.0017	-2.5 to 2.5	Pass
				10	3.85	0.783	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.524	0.0022	-2.5 to 2.5	Pass
				40	3.85	1.406	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.127	0.0016	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.612	0.0009	-2.5 to 2.5	Pass
					3.85	-3.244	-0.0046	-2.5 to 2.5	Pass
					4.43	-4.390	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	2.082	0.0029	-2.5 to 2.5	Pass
				-20	3.85	1.213	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.754	-0.0039	-2.5 to 2.5	Pass
				0	3.85	1.941	0.0027	-2.5 to 2.5	Pass
				10	3.85	0.502	0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.844	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-0.942	-0.0013	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-0.320	-0.0005	-2.5 to 2.5	Pass
					3.85	1.528	0.0022	-2.5 to 2.5	Pass
					4.43	-1.816	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.511	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	1.766	0.0025	-2.5 to 2.5	Pass
				-10	3.85	1.256	0.0018	-2.5 to 2.5	Pass
				0	3.85	0.910	0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.364	-0.0034	-2.5 to 2.5	Pass



	707.5	50	0	30	3.85	1.230	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.017	0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.240	-0.0003	-2.5 to 2.5	Pass
				20	3.27	0.771	0.0011	-2.5 to 2.5	Pass
					3.85	3.155	0.0045	-2.5 to 2.5	Pass
					4.43	1.680	0.0024	-2.5 to 2.5	Pass
				-30	3.85	2.653	0.0037	-2.5 to 2.5	Pass
				-20	3.85	0.182	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.556	0.0008	-2.5 to 2.5	Pass
	711	50	0	0	3.85	1.680	0.0024	-2.5 to 2.5	Pass
				10	3.85	-0.368	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.921	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.591	0.0037	-2.5 to 2.5	Pass
				50	3.85	-0.036	-0.0001	-2.5 to 2.5	Pass
				20	3.27	0.191	0.0003	-2.5 to 2.5	Pass
					3.85	2.528	0.0036	-2.5 to 2.5	Pass
					4.43	0.134	0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.581	0.0036	-2.5 to 2.5	Pass
				-20	3.85	3.131	0.0044	-2.5 to 2.5	Pass
				-10	3.85	-1.854	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-0.661	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.863	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.313	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.973	0.0042	-2.5 to 2.5	Pass
				50	3.85	0.551	0.0008	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B13_5MHz

2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	3.27	0.156	0.0002	-2.5 to 2.5	Pass
					3.85	2.681	0.0034	-2.5 to 2.5	Pass
					4.43	2.258	0.0029	-2.5 to 2.5	Pass
				-30	3.85	0.244	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.543	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.232	0.0029	-2.5 to 2.5	Pass
				0	3.85	1.506	0.0019	-2.5 to 2.5	Pass
				10	3.85	0.303	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0024	-2.5 to 2.5	Pass



16QAM	782	25	0	40	3.85	-3.326	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-2.000	-0.0026	-2.5 to 2.5	Pass
				20	3.27	-1.809	-0.0023	-2.5 to 2.5	Pass
					3.85	-2.879	-0.0037	-2.5 to 2.5	Pass
					4.43	-1.012	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.552	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.154	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.231	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.688	0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.427	-0.0018	-2.5 to 2.5	Pass
				30	3.85	1.795	0.0023	-2.5 to 2.5	Pass
				40	3.85	1.348	0.0017	-2.5 to 2.5	Pass
				50	3.85	1.027	0.0013	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	0.169	0.0002	-2.5 to 2.5	Pass
					3.85	1.052	0.0013	-2.5 to 2.5	Pass
					4.43	1.488	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.043	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.006	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.013	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.936	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.720	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.484	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.057	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-0.290	-0.0004	-2.5 to 2.5	Pass
	779.5	25	0	20	3.27	-1.356	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.080	-0.0014	-2.5 to 2.5	Pass
					4.43	0.058	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.448	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-0.506	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.831	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.952	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-2.521	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.469	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-1.778	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-2.471	-0.0032	-2.5 to 2.5	Pass
	782	25	0	20	3.27	0.647	0.0008	-2.5 to 2.5	Pass
					3.85	1.326	0.0017	-2.5 to 2.5	Pass
					4.43	3.947	0.0050	-2.5 to 2.5	Pass
				-30	3.85	1.128	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.900	0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.133	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.025	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.076	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.266	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.151	0.0002	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	1.272	0.0016	-2.5 to 2.5	Pass



					3.85	0.817	0.0010	-2.5 to 2.5	Pass
					4.43	0.089	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.710	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.658	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.628	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.942	0.0012	-2.5 to 2.5	Pass
				10	3.85	2.639	0.0034	-2.5 to 2.5	Pass
				30	3.85	-1.155	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.720	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.450	0.0006	-2.5 to 2.5	Pass

2.2 B13_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.27	0.648	0.0008	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.640	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	4.240	0.0054	-2.5 to 2.5	Pass
				-20	3.85	-0.370	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.460	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.153	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.035	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.667	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.497	0.0006	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.85	-1.923	-0.0025	-2.5 to 2.5	Pass
					3.27	1.284	0.0016	-2.5 to 2.5	Pass
					3.85	1.733	0.0022	-2.5 to 2.5	Pass
				-30	4.43	0.370	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.601	0.0033	-2.5 to 2.5	Pass
				-10	3.85	0.969	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.859	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.194	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.063	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.912	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.582	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.932	-0.0012	-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	3.27	-2.276	-0.0012	-2.5 to 2.5	Pass
					3.85	5.717	0.0031	-2.5 to 2.5	Pass
					4.43	2.503	0.0014	-2.5 to 2.5	Pass
				-30	3.85	5.130	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-1.600	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	4.465	0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.683	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.031	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.645	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.212	0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.043	-0.0011	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	1.580	0.0008	-2.5 to 2.5	Pass
					3.85	-6.112	-0.0033	-2.5 to 2.5	Pass
					4.43	-0.011	0.0000	-2.5 to 2.5	Pass
				-30	3.85	1.471	0.0008	-2.5 to 2.5	Pass
				-20	3.85	5.064	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.286	-0.0023	-2.5 to 2.5	Pass
				0	3.85	2.470	0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.239	-0.0028	-2.5 to 2.5	Pass
				30	3.85	0.030	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.499	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.395	-0.0013	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-0.741	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.339	-0.0007	-2.5 to 2.5	Pass
					4.43	0.609	0.0003	-2.5 to 2.5	Pass
				-30	3.85	9.851	0.0052	-2.5 to 2.5	Pass
				-20	3.85	-3.584	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.583	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.797	-0.0015	-2.5 to 2.5	Pass
				10	3.85	4.401	0.0023	-2.5 to 2.5	Pass
				30	3.85	5.005	0.0026	-2.5 to 2.5	Pass
				40	3.85	8.069	0.0042	-2.5 to 2.5	Pass
				50	3.85	-0.308	-0.0002	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-4.326	-0.0023	-2.5 to 2.5	Pass
					3.85	0.679	0.0004	-2.5 to 2.5	Pass
					4.43	0.816	0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.143	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.705	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.709	-0.0015	-2.5 to 2.5	Pass



				0	3.85	1.470	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.842	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.106	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.454	0.0002	-2.5 to 2.5	Pass
				50	3.85	6.049	0.0033	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	3.348	0.0018	-2.5 to 2.5	Pass
					3.85	1.501	0.0008	-2.5 to 2.5	Pass
					4.43	3.657	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.259	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.472	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.377	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.205	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.485	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.994	0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.641	-0.0019	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-2.895	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.795	-0.0015	-2.5 to 2.5	Pass
					4.43	2.872	0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.004	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-3.391	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.312	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-7.734	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-1.266	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.444	0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.201	-0.0017	-2.5 to 2.5	Pass
				50	3.85	0.030	0.0000	-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	3.27	1.647	0.0009	-2.5 to 2.5	Pass
					3.85	1.092	0.0006	-2.5 to 2.5	Pass
					4.43	-1.789	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.302	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.427	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.011	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.938	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.724	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.952	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.422	-0.0018	-2.5 to 2.5	Pass



16QAM	1880	15	0	50	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
				20	3.27	-0.246	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.616	-0.0019	-2.5 to 2.5	Pass
					4.43	7.092	0.0038	-2.5 to 2.5	Pass
				-30	3.85	6.492	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-0.238	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	4.815	0.0026	-2.5 to 2.5	Pass
				0	3.85	0.052	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.572	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.520	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.962	-0.0010	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-3.136	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.813	-0.0004	-2.5 to 2.5	Pass
					4.43	1.628	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.666	0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.332	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.958	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.331	-0.0012	-2.5 to 2.5	Pass
				10	3.85	2.331	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.666	0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.060	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.044	-0.0021	-2.5 to 2.5	Pass
	1851.5	15	0	20	3.27	-1.121	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.330	-0.0002	-2.5 to 2.5	Pass
					4.43	-7.929	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-2.782	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.257	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.329	0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.489	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.743	0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.681	-0.0014	-2.5 to 2.5	Pass
				40	3.85	3.483	0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.643	-0.0025	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-3.086	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.070	-0.0006	-2.5 to 2.5	Pass
					4.43	1.694	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.803	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.140	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.749	-0.0020	-2.5 to 2.5	Pass
				10	3.85	8.768	0.0047	-2.5 to 2.5	Pass
				30	3.85	-1.031	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.374	-0.0002	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	1.143	0.0006	-2.5 to 2.5	Pass
					3.85	-2.485	-0.0013	-2.5 to 2.5	Pass





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					4.43	-1.736	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.270	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.962	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.253	-0.0017	-2.5 to 2.5	Pass
				0	3.85	1.429	0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0022	-2.5 to 2.5	Pass
				30	3.85	1.306	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.535	0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.067	-0.0006	-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	3.27	-3.332	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.418	-0.0002	-2.5 to 2.5	Pass
					4.43	0.805	0.0004	-2.5 to 2.5	Pass
				-30	3.85	4.474	0.0024	-2.5 to 2.5	Pass
				-20	3.85	1.498	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.85	4.578	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.117	0.0033	-2.5 to 2.5	Pass
				30	3.85	4.791	0.0026	-2.5 to 2.5	Pass
				40	3.85	0.313	0.0002	-2.5 to 2.5	Pass
	1880	25	0	50	3.85	-1.836	-0.0010	-2.5 to 2.5	Pass
				20	3.27	-0.787	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.913	-0.0010	-2.5 to 2.5	Pass
					4.43	4.093	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.288	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.592	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.999	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.348	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.253	0.0007	-2.5 to 2.5	Pass
	1907.5	25	0	40	3.85	-1.752	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.303	0.0002	-2.5 to 2.5	Pass
				20	3.27	-1.944	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.230	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.641	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.990	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.704	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.735	-0.0014	-2.5 to 2.5	Pass



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				0	3.85	-0.713	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.854	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.199	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.423	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-6.830	-0.0036	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	1.375	0.0007	-2.5 to 2.5	Pass
					3.85	3.746	0.0020	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.738	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.687	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.903	-0.0016	-2.5 to 2.5	Pass
				0	3.85	0.721	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.960	0.0005	-2.5 to 2.5	Pass
				30	3.85	2.629	0.0014	-2.5 to 2.5	Pass
				40	3.85	-5.912	-0.0032	-2.5 to 2.5	Pass
				50	3.85	1.958	0.0011	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	4.980	0.0026	-2.5 to 2.5	Pass
					3.85	0.273	0.0001	-2.5 to 2.5	Pass
					4.43	-0.054	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-1.233	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.653	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.492	0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.920	-0.0026	-2.5 to 2.5	Pass
				10	3.85	2.319	0.0012	-2.5 to 2.5	Pass
				30	3.85	2.264	0.0012	-2.5 to 2.5	Pass
				40	3.85	3.899	0.0021	-2.5 to 2.5	Pass
				50	3.85	-10.870	-0.0058	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-2.293	-0.0012	-2.5 to 2.5	Pass
					3.85	-3.958	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.800	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-4.622	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.740	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.814	0.0020	-2.5 to 2.5	Pass
				0	3.85	0.560	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.612	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.563	0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.473	-0.0029	-2.5 to 2.5	Pass
				50	3.85	0.699	0.0004	-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	3.27	1.499	0.0008	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.926	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.459	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.635	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.317	-0.0007	-2.5 to 2.5	Pass
				0	3.85	2.224	0.0012	-2.5 to 2.5	Pass
				10	3.85	2.864	0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				40	3.85	4.586	0.0025	-2.5 to 2.5	Pass
				50	3.85	-1.613	-0.0009	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-2.285	-0.0012	-2.5 to 2.5	Pass
					3.85	3.649	0.0019	-2.5 to 2.5	Pass
					4.43	-7.472	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	6.862	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.226	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.009	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.411	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.393	0.0002	-2.5 to 2.5	Pass
				30	3.85	3.309	0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.253	-0.0017	-2.5 to 2.5	Pass
				50	3.85	11.253	0.0060	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	-0.717	-0.0004	-2.5 to 2.5	Pass
					3.85	5.487	0.0029	-2.5 to 2.5	Pass
					4.43	-5.959	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.940	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	0.320	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-11.607	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-0.627	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.055	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.200	-0.0006	-2.5 to 2.5	Pass
				40	3.85	7.366	0.0039	-2.5 to 2.5	Pass
				50	3.85	4.411	0.0023	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-2.938	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.430	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.356	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.749	-0.0004	-2.5 to 2.5	Pass



				-20	3.85	2.498	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.829	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.670	0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.854	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.906	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.417	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-5.594	-0.0030	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-3.043	-0.0016	-2.5 to 2.5	Pass
					3.85	7.980	0.0042	-2.5 to 2.5	Pass
					4.43	4.995	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.310	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.909	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-4.820	-0.0026	-2.5 to 2.5	Pass
				0	3.85	0.387	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.767	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.470	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.878	-0.0015	-2.5 to 2.5	Pass
				50	3.85	3.059	0.0016	-2.5 to 2.5	Pass
				20	3.27	-2.567	-0.0013	-2.5 to 2.5	Pass
					3.85	0.916	0.0005	-2.5 to 2.5	Pass
					4.43	0.132	0.0001	-2.5 to 2.5	Pass
	1905	50	0	-30	3.85	2.033	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	3.722	0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.951	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.204	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.383	-0.0007	-2.5 to 2.5	Pass
				40	3.85	2.940	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.158	0.0011	-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	3.27	1.706	0.0009	-2.5 to 2.5	Pass
					3.85	-3.504	-0.0019	-2.5 to 2.5	Pass
					4.43	1.029	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-5.866	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-0.126	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.149	-0.0017	-2.5 to 2.5	Pass
				0	3.85	2.113	0.0011	-2.5 to 2.5	Pass
				10	3.85	4.231	0.0023	-2.5 to 2.5	Pass



16QAM	1880	75	0	30	3.85	2.148	0.0012	-2.5 to 2.5	Pass
				40	3.85	7.578	0.0041	-2.5 to 2.5	Pass
				50	3.85	-1.311	-0.0007	-2.5 to 2.5	Pass
				20	3.27	2.587	0.0014	-2.5 to 2.5	Pass
					3.85	-0.048	0.0000	-2.5 to 2.5	Pass
					4.43	0.627	0.0003	-2.5 to 2.5	Pass
				-30	3.85	8.866	0.0047	-2.5 to 2.5	Pass
				-20	3.85	0.795	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.856	0.0015	-2.5 to 2.5	Pass
				0	3.85	3.888	0.0021	-2.5 to 2.5	Pass
				10	3.85	0.167	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.096	-0.0022	-2.5 to 2.5	Pass
				40	3.85	0.710	0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.728	-0.0015	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	4.214	0.0022	-2.5 to 2.5	Pass
					3.85	6.295	0.0033	-2.5 to 2.5	Pass
					4.43	4.863	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.289	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-5.534	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.612	-0.0014	-2.5 to 2.5	Pass
				0	3.85	1.254	0.0007	-2.5 to 2.5	Pass
				10	3.85	4.954	0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.159	-0.0022	-2.5 to 2.5	Pass
				40	3.85	3.204	0.0017	-2.5 to 2.5	Pass
				50	3.85	1.302	0.0007	-2.5 to 2.5	Pass
	1857.5	75	0	20	3.27	-7.039	-0.0038	-2.5 to 2.5	Pass
					3.85	-3.716	-0.0020	-2.5 to 2.5	Pass
					4.43	-0.535	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	3.508	0.0019	-2.5 to 2.5	Pass
				-20	3.85	8.108	0.0044	-2.5 to 2.5	Pass
				-10	3.85	2.048	0.0011	-2.5 to 2.5	Pass
				0	3.85	-8.901	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-3.468	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.758	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-4.780	-0.0026	-2.5 to 2.5	Pass
				50	3.85	3.423	0.0018	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-1.809	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.637	-0.0019	-2.5 to 2.5	Pass
					4.43	3.722	0.0020	-2.5 to 2.5	Pass
				-30	3.85	5.738	0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.430	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.776	-0.0020	-2.5 to 2.5	Pass
				0	3.85	1.100	0.0006	-2.5 to 2.5	Pass
				10	3.85	5.729	0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.831	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-1.863	-0.0010	-2.5 to 2.5	Pass
				50	3.85	0.803	0.0004	-2.5 to 2.5	Pass





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	1902.5	75	0	20	3.27	-5.855	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.652	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.378	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.347	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-6.531	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	3.103	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.217	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.704	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.678	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.610	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.600	0.0019	-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	3.27	1.931	0.0010	-2.5 to 2.5	Pass
					3.85	7.457	0.0040	-2.5 to 2.5	Pass
					4.43	-0.364	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.331	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.592	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.121	-0.0022	-2.5 to 2.5	Pass
				0	3.85	1.213	0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.267	-0.0018	-2.5 to 2.5	Pass
				30	3.85	9.479	0.0051	-2.5 to 2.5	Pass
				40	3.85	-0.589	-0.0003	-2.5 to 2.5	Pass
	50	3.85	-1.969	-0.0011	-2.5 to 2.5	Pass			
	1880	100	0	20	3.27	-1.283	-0.0007	-2.5 to 2.5	Pass
					3.85	5.810	0.0031	-2.5 to 2.5	Pass
					4.43	-1.937	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.496	0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.131	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.151	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.017	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.318	-0.0023	-2.5 to 2.5	Pass
				30	3.85	4.066	0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.010	-0.0016	-2.5 to 2.5	Pass
	50	3.85	-2.042	-0.0011	-2.5 to 2.5	Pass			
	1900	100	0	20	3.27	3.831	0.0020	-2.5 to 2.5	Pass
					3.85	4.523	0.0024	-2.5 to 2.5	Pass
					4.43	5.972	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-2.650	-0.0014	-2.5 to 2.5	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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				-20	3.85	1.769	0.0009	-2.5 to 2.5	Pass
				-10	3.85	5.375	0.0028	-2.5 to 2.5	Pass
				0	3.85	0.503	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.437	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.338	0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.448	-0.0013	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	-8.189	-0.0044	-2.5 to 2.5	Pass
					3.85	1.007	0.0005	-2.5 to 2.5	Pass
					4.43	2.175	0.0012	-2.5 to 2.5	Pass
					3.85	-1.600	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.072	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.958	0.0011	-2.5 to 2.5	Pass
				-10	3.85	4.201	0.0023	-2.5 to 2.5	Pass
				0	3.85	-0.848	-0.0005	-2.5 to 2.5	Pass
				10	3.85	4.579	0.0025	-2.5 to 2.5	Pass
				30	3.85	-2.368	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.468	-0.0029	-2.5 to 2.5	Pass
				50	3.85	5.838	0.0031	-2.5 to 2.5	Pass
	1880	100	0	20	3.85	-3.232	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.907	-0.0015	-2.5 to 2.5	Pass
					3.85	-8.566	-0.0046	-2.5 to 2.5	Pass
					3.85	4.190	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.449	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.690	-0.0014	-2.5 to 2.5	Pass
				0	3.85	8.777	0.0047	-2.5 to 2.5	Pass
				10	3.85	-1.975	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-6.139	-0.0033	-2.5 to 2.5	Pass
				40	3.85	3.866	0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.752	-0.0009	-2.5 to 2.5	Pass
1900	100	0	0	20	4.43	-0.655	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.727	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.551	-0.0008	-2.5 to 2.5	Pass
					3.85	4.673	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.765	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.677	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.121	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.071	-0.0016	-2.5 to 2.5	Pass
				10	3.85	2.241	0.0012	-2.5 to 2.5	Pass
				30	3.85				
				40	3.85				
				50	3.85				

4. Frequency Stability

4.1 B4_1.4MHz



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	1.764	0.0010	-2.5 to 2.5	Pass
					3.85	-1.618	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.112	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.732	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.418	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.042	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.144	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.550	-0.0003	-2.5 to 2.5	Pass
				30	3.85	1.018	0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.406	-0.0032	-2.5 to 2.5	Pass
				50	3.85	4.386	0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	3.170	0.0018	-2.5 to 2.5	Pass
					3.85	-0.859	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.152	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.629	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.985	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.978	-0.0011	-2.5 to 2.5	Pass
				0	3.85	4.687	0.0027	-2.5 to 2.5	Pass
				10	3.85	0.269	0.0002	-2.5 to 2.5	Pass
				30	3.85	2.127	0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.073	-0.0018	-2.5 to 2.5	Pass
				50	3.85	1.559	0.0009	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	3.619	0.0021	-2.5 to 2.5	Pass
					3.85	-4.480	-0.0026	-2.5 to 2.5	Pass
					4.43	-2.635	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.441	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.051	-0.0017	-2.5 to 2.5	Pass
				10	3.85	3.254	0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.306	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.806	-0.0016	-2.5 to 2.5	Pass
				50	3.85	2.376	0.0014	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	1.703	0.0010	-2.5 to 2.5	Pass
					3.85	1.665	0.0010	-2.5 to 2.5	Pass
					4.43	4.454	0.0026	-2.5 to 2.5	Pass
				-30	3.85	2.468	0.0014	-2.5 to 2.5	Pass
				-20	3.85	7.641	0.0045	-2.5 to 2.5	Pass
				-10	3.85	0.207	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.299	0.0002	-2.5 to 2.5	Pass



	1732.5	6	0	30	3.85	-2.635	-0.0015	-2.5 to 2.5	Pass
				40	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.629	0.0015	-2.5 to 2.5	Pass
				20	3.27	1.584	0.0009	-2.5 to 2.5	Pass
					3.85	-0.140	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.338	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.009	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.736	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.775	-0.0022	-2.5 to 2.5	Pass
				0	3.85	1.048	0.0006	-2.5 to 2.5	Pass
				10	3.85	4.084	0.0024	-2.5 to 2.5	Pass
				30	3.85	0.891	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.892	0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-1.321	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.403	0.0008	-2.5 to 2.5	Pass
				-20	3.85	3.073	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.690	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.718	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.130	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.019	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.037	-0.0006	-2.5 to 2.5	Pass

4.2 B4_3MHz

4.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	4.668	0.0027	-2.5 to 2.5	Pass
					3.85	1.083	0.0006	-2.5 to 2.5	Pass
					4.43	-2.356	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.692	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.206	0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.487	0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.307	-0.0013	-2.5 to 2.5	Pass
				10	3.85	1.251	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.363	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				50	3.85	-5.229	-0.0031	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	6.034	0.0035	-2.5 to 2.5	Pass





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						3.85	2.645	0.0015	-2.5 to 2.5	Pass
						4.43	-1.371	-0.0008	-2.5 to 2.5	Pass
					-30	3.85	-0.313	-0.0002	-2.5 to 2.5	Pass
					-20	3.85	-0.168	-0.0001	-2.5 to 2.5	Pass
					-10	3.85	0.537	0.0003	-2.5 to 2.5	Pass
					0	3.85	1.098	0.0006	-2.5 to 2.5	Pass
					10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
					30	3.85	6.251	0.0036	-2.5 to 2.5	Pass
					40	3.85	0.771	0.0004	-2.5 to 2.5	Pass
					50	3.85	1.087	0.0006	-2.5 to 2.5	Pass
	1753.5	15	0	20		3.27	-0.737	-0.0004	-2.5 to 2.5	Pass
						3.85	-1.544	-0.0009	-2.5 to 2.5	Pass
						4.43	1.670	0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.121	0.0012	-2.5 to 2.5	Pass	
				-20	3.85	-1.344	-0.0008	-2.5 to 2.5	Pass	
				-10	3.85	4.889	0.0028	-2.5 to 2.5	Pass	
				0	3.85	-1.194	-0.0007	-2.5 to 2.5	Pass	
				10	3.85	1.477	0.0008	-2.5 to 2.5	Pass	
				30	3.85	5.886	0.0034	-2.5 to 2.5	Pass	
				40	3.85	6.351	0.0036	-2.5 to 2.5	Pass	
50	3.85	-1.686	-0.0010	-2.5 to 2.5	Pass					
16QAM	1711.5	15	0	20		3.27	-0.003	0.0000	-2.5 to 2.5	Pass
						3.85	-1.468	-0.0009	-2.5 to 2.5	Pass
						4.43	4.029	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.405	-0.0002	-2.5 to 2.5	Pass	
				-20	3.85	1.895	0.0011	-2.5 to 2.5	Pass	
				-10	3.85	-0.509	-0.0003	-2.5 to 2.5	Pass	
				0	3.85	-0.822	-0.0005	-2.5 to 2.5	Pass	
				10	3.85	-2.212	-0.0013	-2.5 to 2.5	Pass	
				30	3.85	4.913	0.0029	-2.5 to 2.5	Pass	
				40	3.85	0.609	0.0004	-2.5 to 2.5	Pass	
	50	3.85	2.510	0.0015	-2.5 to 2.5	Pass				
	1732.5	15	0	20		3.27	-3.594	-0.0021	-2.5 to 2.5	Pass
						3.85	0.247	0.0001	-2.5 to 2.5	Pass
						4.43	3.436	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass	
				-20	3.85	6.603	0.0038	-2.5 to 2.5	Pass	
				-10	3.85	3.472	0.0020	-2.5 to 2.5	Pass	
				0	3.85	3.716	0.0021	-2.5 to 2.5	Pass	
				10	3.85	1.645	0.0009	-2.5 to 2.5	Pass	
				30	3.85	7.198	0.0042	-2.5 to 2.5	Pass	
				40	3.85	-1.622	-0.0009	-2.5 to 2.5	Pass	
	50	3.85	1.392	0.0008	-2.5 to 2.5	Pass				
	1753.5	15	0	20		3.27	0.506	0.0003	-2.5 to 2.5	Pass
						3.85	-8.192	-0.0047	-2.5 to 2.5	Pass
						4.43	1.878	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.935	0.0005	-2.5 to 2.5	Pass	



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				-20	3.85	3.570	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-5.100	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.826	-0.0016	-2.5 to 2.5	Pass
				40	3.85	2.105	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.487	0.0014	-2.5 to 2.5	Pass

4.3 B4_5MHz

4.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	5.137	0.0030	-2.5 to 2.5	Pass
					3.85	3.167	0.0018	-2.5 to 2.5	Pass
					4.43	0.532	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.374	0.0002	-2.5 to 2.5	Pass
				-20	3.85	5.302	0.0031	-2.5 to 2.5	Pass
				-10	3.85	5.343	0.0031	-2.5 to 2.5	Pass
				0	3.85	-4.107	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.710	0.0004	-2.5 to 2.5	Pass
				30	3.85	4.318	0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.833	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-5.294	-0.0031	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.971	0.0006	-2.5 to 2.5	Pass
					3.85	2.050	0.0012	-2.5 to 2.5	Pass
					4.43	1.054	0.0006	-2.5 to 2.5	Pass
				-30	3.85	3.031	0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.746	0.0004	-2.5 to 2.5	Pass
				-10	3.85	5.909	0.0034	-2.5 to 2.5	Pass
				0	3.85	4.810	0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.074	-0.0035	-2.5 to 2.5	Pass
				30	3.85	1.085	0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.694	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-0.725	-0.0004	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.730	-0.0004	-2.5 to 2.5	Pass
					3.85	-4.530	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.487	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.084	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.961	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.019	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.253	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass



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				30	3.85	0.208	0.0001	-2.5 to 2.5	Pass
				40	3.85	5.933	0.0034	-2.5 to 2.5	Pass
				50	3.85	0.520	0.0003	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	0.447	0.0003	-2.5 to 2.5	Pass
					3.85	-5.055	-0.0030	-2.5 to 2.5	Pass
					4.43	6.690	0.0039	-2.5 to 2.5	Pass
				-30	3.85	-5.622	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.673	0.0004	-2.5 to 2.5	Pass
				0	3.85	9.001	0.0053	-2.5 to 2.5	Pass
				10	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.153	-0.0036	-2.5 to 2.5	Pass
				40	3.85	1.737	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.800	0.0016	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	7.660	0.0044	-2.5 to 2.5	Pass
					3.85	0.182	0.0001	-2.5 to 2.5	Pass
					4.43	7.955	0.0046	-2.5 to 2.5	Pass
				-30	3.85	2.998	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.786	0.0010	-2.5 to 2.5	Pass
				-10	3.85	8.330	0.0048	-2.5 to 2.5	Pass
				0	3.85	1.577	0.0009	-2.5 to 2.5	Pass
				10	3.85	3.357	0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.623	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.540	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.021	0.0017	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-10.633	-0.0061	-2.5 to 2.5	Pass
					3.85	2.650	0.0015	-2.5 to 2.5	Pass
					4.43	0.415	0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.503	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.360	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	4.700	0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.471	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.397	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-4.039	-0.0023	-2.5 to 2.5	Pass
				40	3.85	0.322	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.915	-0.0005	-2.5 to 2.5	Pass



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4.4 B4_10MHz

4.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	5.811	0.0034	-2.5 to 2.5	Pass
					3.85	-1.915	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.374	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.578	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	4.155	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.986	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.915	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-7.607	-0.0044	-2.5 to 2.5	Pass
				30	3.85	1.902	0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.604	-0.0027	-2.5 to 2.5	Pass
				50	3.85	1.741	0.0010	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.446	-0.0008	-2.5 to 2.5	Pass
					3.85	2.420	0.0014	-2.5 to 2.5	Pass
					4.43	2.662	0.0015	-2.5 to 2.5	Pass
				-30	3.85	8.541	0.0049	-2.5 to 2.5	Pass
				-20	3.85	-6.326	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	5.613	0.0032	-2.5 to 2.5	Pass
				0	3.85	-1.597	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.042	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.420	0.0014	-2.5 to 2.5	Pass
				40	3.85	6.164	0.0036	-2.5 to 2.5	Pass
				50	3.85	-3.793	-0.0022	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-0.966	-0.0006	-2.5 to 2.5	Pass
					3.85	5.476	0.0031	-2.5 to 2.5	Pass
					4.43	-3.145	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.651	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	6.514	0.0037	-2.5 to 2.5	Pass
				-10	3.85	0.127	0.0001	-2.5 to 2.5	Pass
				0	3.85	2.386	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.300	-0.0007	-2.5 to 2.5	Pass
				30	3.85	1.540	0.0009	-2.5 to 2.5	Pass
				40	3.85	8.593	0.0049	-2.5 to 2.5	Pass
				50	3.85	3.999	0.0023	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.127	0.0007	-2.5 to 2.5	Pass
					3.85	1.076	0.0006	-2.5 to 2.5	Pass
					4.43	-6.704	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-0.998	-0.0006	-2.5 to 2.5	Pass





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				-20	3.85	-4.651	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.908	0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.738	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-5.996	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-3.543	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-9.171	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-4.079	-0.0024	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.425	-0.0002	-2.5 to 2.5	Pass
					3.85	-5.383	-0.0031	-2.5 to 2.5	Pass
					4.43	0.338	0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.335	0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.914	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.205	0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.288	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-0.198	-0.0001	-2.5 to 2.5	Pass
				40	3.85	10.933	0.0063	-2.5 to 2.5	Pass
				50	3.85	0.472	0.0003	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.912	0.0011	-2.5 to 2.5	Pass
					3.85	0.404	0.0002	-2.5 to 2.5	Pass
					4.43	6.591	0.0038	-2.5 to 2.5	Pass
				-30	3.85	0.377	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.502	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.797	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.553	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.430	0.0008	-2.5 to 2.5	Pass
				40	3.85	4.391	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.257	0.0013	-2.5 to 2.5	Pass

4.5 B4_15MHz

4.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	3.015	0.0018	-2.5 to 2.5	Pass
					3.85	7.489	0.0044	-2.5 to 2.5	Pass
					4.43	-4.326	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	0.803	0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.735	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-0.786	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.646	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-4.242	-0.0025	-2.5 to 2.5	Pass



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16QAM	1732.5	75	0	30	3.85	3.948	0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.577	-0.0027	-2.5 to 2.5	Pass
				50	3.85	1.552	0.0009	-2.5 to 2.5	Pass
				20	3.27	-2.754	-0.0016	-2.5 to 2.5	Pass
					3.85	3.425	0.0020	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.974	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.916	0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.358	0.0019	-2.5 to 2.5	Pass
				10	3.85	-5.333	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-3.256	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.625	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.189	0.0001	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.592	0.0015	-2.5 to 2.5	Pass
					3.85	-2.047	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.981	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	6.818	0.0039	-2.5 to 2.5	Pass
				-20	3.85	-2.891	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-4.354	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.444	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.091	-0.0006	-2.5 to 2.5	Pass
				30	3.85	4.813	0.0028	-2.5 to 2.5	Pass
				40	3.85	6.762	0.0039	-2.5 to 2.5	Pass
				50	3.85	1.154	0.0007	-2.5 to 2.5	Pass
	1717.5	75	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	3.414	0.0020	-2.5 to 2.5	Pass
					4.43	-4.827	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.202	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.455	0.0003	-2.5 to 2.5	Pass
				-10	3.85	7.308	0.0043	-2.5 to 2.5	Pass
				0	3.85	2.178	0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.607	-0.0021	-2.5 to 2.5	Pass
				30	3.85	2.834	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.893	0.0017	-2.5 to 2.5	Pass
				50	3.85	5.861	0.0034	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.981	0.0006	-2.5 to 2.5	Pass
					3.85	6.482	0.0037	-2.5 to 2.5	Pass
					4.43	8.540	0.0049	-2.5 to 2.5	Pass
				-30	3.85	1.038	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	3.153	0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.175	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.543	-0.0015	-2.5 to 2.5	Pass
				30	3.85	7.763	0.0045	-2.5 to 2.5	Pass
				40	3.85	-2.268	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-5.129	-0.0030	-2.5 to 2.5	Pass





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	1747.5	75	0	20	3.27	-4.413	-0.0025	-2.5 to 2.5	Pass
					3.85	-0.674	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.335	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	4.966	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				0	3.85	1.714	0.0010	-2.5 to 2.5	Pass
				10	3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
				30	3.85	5.323	0.0030	-2.5 to 2.5	Pass
				40	3.85	3.670	0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.864	-0.0011	-2.5 to 2.5	Pass

4.6 B4_20MHz

4.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	5.524	0.0032	-2.5 to 2.5	Pass
					3.85	5.845	0.0034	-2.5 to 2.5	Pass
					4.43	-5.284	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	6.524	0.0038	-2.5 to 2.5	Pass
				-20	3.85	-2.281	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	7.562	0.0044	-2.5 to 2.5	Pass
				0	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.717	-0.0016	-2.5 to 2.5	Pass
				30	3.85	4.265	0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.494	-0.0032	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.85	-3.155	-0.0018	-2.5 to 2.5	Pass
					3.27	6.900	0.0040	-2.5 to 2.5	Pass
					3.85	-2.726	-0.0016	-2.5 to 2.5	Pass
				-30	4.43	1.631	0.0009	-2.5 to 2.5	Pass
					3.85	-5.161	-0.0030	-2.5 to 2.5	Pass
					3.85	3.036	0.0018	-2.5 to 2.5	Pass
				-20	3.85	6.695	0.0039	-2.5 to 2.5	Pass
				-10	3.85	-7.804	-0.0045	-2.5 to 2.5	Pass
				0	3.85	3.484	0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
	1745	100	0	20	3.85	-2.286	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.821	-0.0016	-2.5 to 2.5	Pass
					3.27	-4.288	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	0.551	0.0003	-2.5 to 2.5	Pass
					4.43	-3.007	-0.0017	-2.5 to 2.5	Pass
					3.85	3.569	0.0020	-2.5 to 2.5	Pass



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				-20	3.85	1.167	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.338	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-3.399	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-5.783	-0.0033	-2.5 to 2.5	Pass
				30	3.85	1.076	0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.181	-0.0012	-2.5 to 2.5	Pass
				50	3.85	1.501	0.0009	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-3.082	-0.0018	-2.5 to 2.5	Pass
					3.85	0.023	0.0000	-2.5 to 2.5	Pass
					4.43	-1.718	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.021	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.548	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.746	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.045	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.483	0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.096	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.644	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.966	-0.0006	-2.5 to 2.5	Pass
				50	3.85	1.056	0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.85	-2.894	-0.0017	-2.5 to 2.5	Pass
					4.43	1.347	0.0008	-2.5 to 2.5	Pass
					3.85	4.740	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.348	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-5.383	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	4.196	0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.895	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.792	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.966	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.837	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.481	-0.0014	-2.5 to 2.5	Pass
	1745	100	0	20	3.85	-4.581	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.526	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.270	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.641	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.735	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-6.286	-0.0036	-2.5 to 2.5	Pass
				0	3.85	0.397	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.839	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.840	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-6.109	-0.0035	-2.5 to 2.5	Pass
				50	3.85				

5. Frequency Stability

5.1 B5_1.4MHz



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	3.581	0.0043	-2.5 to 2.5	Pass
					3.85	0.995	0.0012	-2.5 to 2.5	Pass
					4.43	0.133	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.745	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.173	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.483	-0.0006	-2.5 to 2.5	Pass
				0	3.85	2.167	0.0026	-2.5 to 2.5	Pass
				10	3.85	1.013	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.214	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.123	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.406	0.0005	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	1.001	0.0012	-2.5 to 2.5	Pass
					3.85	0.076	0.0001	-2.5 to 2.5	Pass
					4.43	0.061	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.771	0.0033	-2.5 to 2.5	Pass
				-20	3.85	0.278	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.144	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.257	0.0027	-2.5 to 2.5	Pass
				10	3.85	-1.662	-0.0020	-2.5 to 2.5	Pass
				30	3.85	2.727	0.0033	-2.5 to 2.5	Pass
				40	3.85	1.686	0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.319	-0.0004	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	0.982	0.0012	-2.5 to 2.5	Pass
					3.85	-0.096	-0.0001	-2.5 to 2.5	Pass
					4.43	0.541	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.372	0.0028	-2.5 to 2.5	Pass
				-20	3.85	4.024	0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.125	-0.0001	-2.5 to 2.5	Pass
				0	3.85	3.163	0.0037	-2.5 to 2.5	Pass
				10	3.85	-0.537	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.407	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.369	-0.0004	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	0.723	0.0009	-2.5 to 2.5	Pass
					3.85	-2.873	-0.0035	-2.5 to 2.5	Pass
					4.43	1.209	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.600	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.939	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.378	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.086	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.144	0.0002	-2.5 to 2.5	Pass



	836.5	6	0	30	3.85	1.099	0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.606	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.053	0.0001	-2.5 to 2.5	Pass
				20	3.27	0.333	0.0004	-2.5 to 2.5	Pass
					3.85	-0.714	-0.0009	-2.5 to 2.5	Pass
					4.43	0.999	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.285	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.333	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-0.489	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.391	0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.566	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.349	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.861	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.749	-0.0021	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	2.790	0.0033	-2.5 to 2.5	Pass
					3.85	0.255	0.0003	-2.5 to 2.5	Pass
					4.43	-1.173	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.967	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.501	0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.288	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.523	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.267	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.767	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.914	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.436	0.0005	-2.5 to 2.5	Pass

5.2 B5_3MHz

5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-0.282	-0.0003	-2.5 to 2.5	Pass
					3.85	2.017	0.0024	-2.5 to 2.5	Pass
					4.43	-0.842	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.396	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	0.673	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.869	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.323	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.546	0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.881	-0.0011	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.589	-0.0007	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	3.095	0.0037	-2.5 to 2.5	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

					3.85	0.789	0.0009	-2.5 to 2.5	Pass
					4.43	-0.283	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.689	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.250	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.088	0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.884	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.981	0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.786	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.876	-0.0010	-2.5 to 2.5	Pass
				50	3.85	1.661	0.0020	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.941	0.0011	-2.5 to 2.5	Pass
					3.85	0.056	0.0001	-2.5 to 2.5	Pass
				4.43	0.375	0.0004	-2.5 to 2.5	Pass	
				-30	3.85	0.162	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.948	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.182	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.798	0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.212	-0.0003	-2.5 to 2.5	Pass
				30	3.85	2.457	0.0029	-2.5 to 2.5	Pass
				40	3.85	0.174	0.0002	-2.5 to 2.5	Pass
50	3.85	1.492	0.0018	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	0.214	0.0003	-2.5 to 2.5	Pass
					3.85	1.770	0.0021	-2.5 to 2.5	Pass
					4.43	1.344	0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.408	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.924	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.706	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.271	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.120	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.094	0.0025	-2.5 to 2.5	Pass
	50	3.85	0.837	0.0010	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-3.591	-0.0043	-2.5 to 2.5	Pass
					3.85	-0.197	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.455	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.455	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.432	0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.589	-0.0007	-2.5 to 2.5	Pass
				10	3.85	2.703	0.0032	-2.5 to 2.5	Pass
				30	3.85	-1.033	-0.0012	-2.5 to 2.5	Pass
				40	3.85	2.666	0.0032	-2.5 to 2.5	Pass
	50	3.85	0.150	0.0002	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	0.964	0.0011	-2.5 to 2.5	Pass
					3.85	-0.349	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.437	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.633	0.0019	-2.5 to 2.5	Pass



				-20	3.85	1.322	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.737	-0.0009	-2.5 to 2.5	Pass
				0	3.85	0.906	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.911	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.164	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.571	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.554	0.0018	-2.5 to 2.5	Pass

5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-0.679	-0.0008	-2.5 to 2.5	Pass
					3.85	0.338	0.0004	-2.5 to 2.5	Pass
					4.43	2.258	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.862	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.797	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.307	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.573	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.983	0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.967	-0.0012	-2.5 to 2.5	Pass
				40	3.85	2.073	0.0025	-2.5 to 2.5	Pass
				50	3.85	-1.195	-0.0014	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.901	-0.0011	-2.5 to 2.5	Pass
					3.85	1.983	0.0024	-2.5 to 2.5	Pass
					4.43	2.103	0.0025	-2.5 to 2.5	Pass
				-30	3.85	0.217	0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.867	0.0034	-2.5 to 2.5	Pass
				-10	3.85	-0.126	-0.0002	-2.5 to 2.5	Pass
				0	3.85	3.467	0.0041	-2.5 to 2.5	Pass
				10	3.85	0.844	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.001	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.607	0.0031	-2.5 to 2.5	Pass
				50	3.85	0.124	0.0001	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	2.544	0.0030	-2.5 to 2.5	Pass
					3.85	0.696	0.0008	-2.5 to 2.5	Pass
					4.43	0.589	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.234	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.904	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.628	-0.0019	-2.5 to 2.5	Pass
				0	3.85	1.091	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.789	0.0009	-2.5 to 2.5	Pass



				30	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.910	-0.0011	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	1.694	0.0020	-2.5 to 2.5	Pass
					3.85	2.620	0.0032	-2.5 to 2.5	Pass
					4.43	0.240	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.385	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.584	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.975	0.0036	-2.5 to 2.5	Pass
				0	3.85	-0.154	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.629	0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.065	-0.0025	-2.5 to 2.5	Pass
				40	3.85	3.293	0.0040	-2.5 to 2.5	Pass
				50	3.85	-0.440	-0.0005	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.254	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.152	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.062	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.451	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.258	-0.0027	-2.5 to 2.5	Pass
				0	3.85	3.024	0.0036	-2.5 to 2.5	Pass
				10	3.85	-0.293	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.205	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.284	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.756	0.0021	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.978	0.0012	-2.5 to 2.5	Pass
					3.85	0.880	0.0010	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.071	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.682	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	0.263	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0033	-2.5 to 2.5	Pass
				10	3.85	0.534	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.332	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.058	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.618	0.0031	-2.5 to 2.5	Pass

5.4 B5_10MHz

5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-0.105	-0.0001	-2.5 to 2.5	Pass



16QAM						3.85	0.518	0.0006	-2.5 to 2.5	Pass
						4.43	0.944	0.0011	-2.5 to 2.5	Pass
					-30	3.85	2.029	0.0024	-2.5 to 2.5	Pass
					-20	3.85	-2.467	-0.0030	-2.5 to 2.5	Pass
					-10	3.85	1.574	0.0019	-2.5 to 2.5	Pass
					0	3.85	2.329	0.0028	-2.5 to 2.5	Pass
					10	3.85	3.277	0.0040	-2.5 to 2.5	Pass
					30	3.85	2.588	0.0031	-2.5 to 2.5	Pass
					40	3.85	2.671	0.0032	-2.5 to 2.5	Pass
					50	3.85	0.459	0.0006	-2.5 to 2.5	Pass
	836.5	50	0		20	3.27	-1.322	-0.0016	-2.5 to 2.5	Pass
						3.85	-1.013	-0.0012	-2.5 to 2.5	Pass
						4.43	0.773	0.0009	-2.5 to 2.5	Pass
					-30	3.85	-1.484	-0.0018	-2.5 to 2.5	Pass
					-20	3.85	-0.595	-0.0007	-2.5 to 2.5	Pass
					-10	3.85	3.069	0.0037	-2.5 to 2.5	Pass
					0	3.85	2.473	0.0030	-2.5 to 2.5	Pass
					10	3.85	1.281	0.0015	-2.5 to 2.5	Pass
					30	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
					40	3.85	-2.151	-0.0026	-2.5 to 2.5	Pass
	50	3.85	-0.925	-0.0011	-2.5 to 2.5	Pass				
	844	50	0		20	3.27	-2.167	-0.0026	-2.5 to 2.5	Pass
						3.85	-0.614	-0.0007	-2.5 to 2.5	Pass
						4.43	0.401	0.0005	-2.5 to 2.5	Pass
					-30	3.85	-1.807	-0.0021	-2.5 to 2.5	Pass
					-20	3.85	-0.310	-0.0004	-2.5 to 2.5	Pass
					-10	3.85	0.914	0.0011	-2.5 to 2.5	Pass
					0	3.85	-1.248	-0.0015	-2.5 to 2.5	Pass
					10	3.85	-2.254	-0.0027	-2.5 to 2.5	Pass
					30	3.85	-0.816	-0.0010	-2.5 to 2.5	Pass
					40	3.85	1.581	0.0019	-2.5 to 2.5	Pass
	50	3.85	-0.266	-0.0003	-2.5 to 2.5	Pass				
		829	50	0	20	3.27	0.255	0.0003	-2.5 to 2.5	Pass
						3.85	0.765	0.0009	-2.5 to 2.5	Pass
						4.43	-1.846	-0.0022	-2.5 to 2.5	Pass
					-30	3.85	1.630	0.0020	-2.5 to 2.5	Pass
					-20	3.85	-0.480	-0.0006	-2.5 to 2.5	Pass
					-10	3.85	-1.967	-0.0024	-2.5 to 2.5	Pass
					0	3.85	0.607	0.0007	-2.5 to 2.5	Pass
					10	3.85	0.805	0.0010	-2.5 to 2.5	Pass
					30	3.85	-1.120	-0.0014	-2.5 to 2.5	Pass
					40	3.85	0.811	0.0010	-2.5 to 2.5	Pass
		50	3.85	-0.828	-0.0010	-2.5 to 2.5	Pass			
		836.5	50	0	20	3.27	-2.948	-0.0035	-2.5 to 2.5	Pass
						3.85	1.544	0.0018	-2.5 to 2.5	Pass
						4.43	-0.832	-0.0010	-2.5 to 2.5	Pass
					-30	3.85	-1.032	-0.0012	-2.5 to 2.5	Pass



				-20	3.85	-0.780	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.058	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.337	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.937	0.0011	-2.5 to 2.5	Pass
				30	3.85	0.814	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.875	0.0022	-2.5 to 2.5	Pass
				50	3.85	1.204	0.0014	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.431	0.0005	-2.5 to 2.5	Pass
					3.85	-0.993	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.949	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.373	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.314	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	0.609	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.821	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.449	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.098	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.619	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.219	-0.0003	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B66_1.4MHz

6.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	4.548	0.0027	-2.5 to 2.5	Pass
					3.85	4.338	0.0025	-2.5 to 2.5	Pass
					4.43	-2.584	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	2.637	0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.161	0.0001	-2.5 to 2.5	Pass
				0	3.85	3.235	0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.879	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.478	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.147	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.642	-0.0004	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	2.382	0.0014	-2.5 to 2.5	Pass
					3.85	3.182	0.0018	-2.5 to 2.5	Pass
					4.43	-0.861	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.413	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	5.083	0.0029	-2.5 to 2.5	Pass



				-10	3.85	2.708	0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.363	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.449	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.190	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.313	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-4.870	-0.0028	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-1.537	-0.0009	-2.5 to 2.5	Pass
					3.85	1.083	0.0006	-2.5 to 2.5	Pass
					4.43	-2.902	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	9.040	0.0051	-2.5 to 2.5	Pass
				-20	3.85	-1.529	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	5.383	0.0030	-2.5 to 2.5	Pass
				0	3.85	-7.343	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-6.713	-0.0038	-2.5 to 2.5	Pass
				30	3.85	2.212	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.815	0.0010	-2.5 to 2.5	Pass
				50	3.85	3.939	0.0022	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	3.173	0.0019	-2.5 to 2.5	Pass
					3.85	1.691	0.0010	-2.5 to 2.5	Pass
					4.43	-3.908	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	5.641	0.0033	-2.5 to 2.5	Pass
				-20	3.85	5.251	0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.073	-0.0012	-2.5 to 2.5	Pass
				0	3.85	1.581	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.692	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.895	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.785	0.0005	-2.5 to 2.5	Pass
				50	3.85	-5.248	-0.0031	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-1.406	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.078	0.0000	-2.5 to 2.5	Pass
					4.43	-4.528	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	7.136	0.0041	-2.5 to 2.5	Pass
				-20	3.85	-1.111	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.954	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.158	0.0018	-2.5 to 2.5	Pass
				10	3.85	3.051	0.0017	-2.5 to 2.5	Pass
				30	3.85	0.056	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.597	0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.118	-0.0001	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	2.937	0.0017	-2.5 to 2.5	Pass
					3.85	2.451	0.0014	-2.5 to 2.5	Pass
					4.43	-3.139	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.924	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.311	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.189	-0.0024	-2.5 to 2.5	Pass
				0	3.85	2.042	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.275	0.0018	-2.5 to 2.5	Pass



				30	3.85	12.006	0.0067	-2.5 to 2.5	Pass
				40	3.85	4.575	0.0026	-2.5 to 2.5	Pass
				50	3.85	6.090	0.0034	-2.5 to 2.5	Pass

6.2 B66_3MHz

6.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-3.345	-0.0020	-2.5 to 2.5	Pass
					3.85	1.145	0.0007	-2.5 to 2.5	Pass
					4.43	0.445	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.375	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.665	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.786	-0.0010	-2.5 to 2.5	Pass
				0	3.85	5.790	0.0034	-2.5 to 2.5	Pass
				10	3.85	3.452	0.0020	-2.5 to 2.5	Pass
				30	3.85	2.058	0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.556	-0.0021	-2.5 to 2.5	Pass
				50	3.85	0.819	0.0005	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-2.673	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.768	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.151	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.746	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.307	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.333	-0.0013	-2.5 to 2.5	Pass
				0	3.85	1.952	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.532	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.792	0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.088	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.053	0.0000	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-6.145	-0.0035	-2.5 to 2.5	Pass
					3.85	2.155	0.0012	-2.5 to 2.5	Pass
					4.43	1.023	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-4.162	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.470	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.278	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.509	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-9.007	-0.0051	-2.5 to 2.5	Pass
				40	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.624	-0.0004	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	0.566	0.0003	-2.5 to 2.5	Pass



					3.85	2.915	0.0017	-2.5 to 2.5	Pass
					4.43	-1.957	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.126	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.027	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.310	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.970	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.853	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.664	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.984	0.0006	-2.5 to 2.5	Pass
				50	3.85	3.355	0.0020	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-3.819	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.664	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.197	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	3.803	0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.766	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.851	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.038	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.598	-0.0003	-2.5 to 2.5	Pass
				30	3.85	7.883	0.0045	-2.5 to 2.5	Pass
				40	3.85	-2.903	-0.0017	-2.5 to 2.5	Pass
	50	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.27	0.309	0.0002	-2.5 to 2.5	Pass
					3.85	-1.254	-0.0007	-2.5 to 2.5	Pass
					4.43	0.891	0.0005	-2.5 to 2.5	Pass
				-30	3.85	3.088	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-4.296	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.583	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.206	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.740	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.084	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.850	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.609	0.0015	-2.5 to 2.5	Pass

6.3 B66_5MHz

6.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	0.171	0.0001	-2.5 to 2.5	Pass
					3.85	-1.250	-0.0007	-2.5 to 2.5	Pass
					4.43	1.890	0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.037	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-6.941	-0.0041	-2.5 to 2.5	Pass



16QAM	1745	25	0	-10	3.85	1.663	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.136	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.817	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.726	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.767	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.349	-0.0008	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-2.137	-0.0012	-2.5 to 2.5	Pass
					3.85	2.461	0.0014	-2.5 to 2.5	Pass
					4.43	-3.829	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.400	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.142	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.082	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.527	-0.0009	-2.5 to 2.5	Pass
				10	3.85	2.582	0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.149	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.577	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.301	0.0002	-2.5 to 2.5	Pass
				20	3.27	4.573	0.0026	-2.5 to 2.5	Pass
					3.85	-2.335	-0.0013	-2.5 to 2.5	Pass
					4.43	6.553	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-1.340	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.392	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.609	-0.0003	-2.5 to 2.5	Pass
				10	3.85	5.279	0.0030	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-4.546	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-1.595	-0.0009	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	-0.626	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.255	-0.0007	-2.5 to 2.5	Pass
					4.43	1.583	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-4.373	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	0.213	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.065	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.617	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.769	-0.0010	-2.5 to 2.5	Pass
				30	3.85	0.594	0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.775	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-0.382	-0.0002	-2.5 to 2.5	Pass
				20	3.27	-0.431	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.846	-0.0005	-2.5 to 2.5	Pass
					4.43	0.583	0.0003	-2.5 to 2.5	Pass
	1745	25	0	-30	3.85	2.678	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.189	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.997	-0.0029	-2.5 to 2.5	Pass
				0	3.85	1.213	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.011	0.0006	-2.5 to 2.5	Pass



	1777.5	25	0	30	3.85	-2.088	-0.0012	-2.5 to 2.5	Pass
				40	3.85	1.592	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.365	-0.0002	-2.5 to 2.5	Pass
				20	3.27	0.960	0.0005	-2.5 to 2.5	Pass
					3.85	6.408	0.0036	-2.5 to 2.5	Pass
					4.43	-5.171	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-0.240	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.947	0.0005	-2.5 to 2.5	Pass
				-10	3.85	3.981	0.0022	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.086	0.0012	-2.5 to 2.5	Pass
				30	3.85	3.976	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.230	0.0001	-2.5 to 2.5	Pass
				50	3.85	4.405	0.0025	-2.5 to 2.5	Pass

6.4 B66_10MHz

6.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-0.527	-0.0003	-2.5 to 2.5	Pass
					3.85	0.623	0.0004	-2.5 to 2.5	Pass
					4.43	-2.691	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	3.345	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.078	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-0.223	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.518	-0.0021	-2.5 to 2.5	Pass
				10	3.85	3.084	0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.967	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-7.125	-0.0042	-2.5 to 2.5	Pass
	1745	50	0	50	3.85	-2.119	-0.0012	-2.5 to 2.5	Pass
				20	3.27	-3.518	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.403	-0.0042	-2.5 to 2.5	Pass
					4.43	0.963	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.660	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.553	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.398	-0.0019	-2.5 to 2.5	Pass
				0	3.85	2.407	0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				30	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.356	-0.0002	-2.5 to 2.5	Pass
				50	3.85	2.524	0.0014	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-2.223	-0.0013	-2.5 to 2.5	Pass



					3.85	-5.408	-0.0030	-2.5 to 2.5	Pass
					4.43	-3.113	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.174	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-0.660	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-4.051	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.826	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-5.856	-0.0033	-2.5 to 2.5	Pass
				30	3.85	0.087	0.0000	-2.5 to 2.5	Pass
				40	3.85	-3.281	-0.0018	-2.5 to 2.5	Pass
				50	3.85	0.316	0.0002	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	2.105	0.0012	-2.5 to 2.5	Pass
					3.85	0.821	0.0005	-2.5 to 2.5	Pass
					4.43	-2.874	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.642	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.466	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.449	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.025	0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.663	-0.0010	-2.5 to 2.5	Pass
				30	3.85	1.834	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.675	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.930	-0.0017	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-4.023	-0.0023	-2.5 to 2.5	Pass
					3.85	-1.017	-0.0006	-2.5 to 2.5	Pass
					4.43	-7.358	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	9.771	0.0056	-2.5 to 2.5	Pass
				-20	3.85	5.740	0.0033	-2.5 to 2.5	Pass
				-10	3.85	-1.437	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.747	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.964	0.0023	-2.5 to 2.5	Pass
				30	3.85	-0.381	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.520	0.0009	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-2.485	-0.0014	-2.5 to 2.5	Pass
					3.85	4.329	0.0024	-2.5 to 2.5	Pass
					4.43	-9.206	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	3.283	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.237	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.487	-0.0020	-2.5 to 2.5	Pass
				0	3.85	1.266	0.0007	-2.5 to 2.5	Pass
				10	3.85	-11.039	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-0.016	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.395	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.216	-0.0024	-2.5 to 2.5	Pass



6.5 B66_15MHz

6.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	2.072	0.0012	-2.5 to 2.5	Pass
					3.85	1.595	0.0009	-2.5 to 2.5	Pass
					4.43	-10.191	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	1.855	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.846	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.712	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.096	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.761	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-4.396	-0.0026	-2.5 to 2.5	Pass
				40	3.85	1.761	0.0010	-2.5 to 2.5	Pass
				50	3.85	-5.610	-0.0033	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	0.571	0.0003	-2.5 to 2.5	Pass
					3.85	-5.921	-0.0034	-2.5 to 2.5	Pass
					4.43	-4.093	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	1.512	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-5.187	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	2.507	0.0014	-2.5 to 2.5	Pass
				0	3.85	3.981	0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.535	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.149	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.793	-0.0022	-2.5 to 2.5	Pass
				50	3.85	0.177	0.0001	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	0.742	0.0004	-2.5 to 2.5	Pass
					3.85	1.136	0.0006	-2.5 to 2.5	Pass
					4.43	9.855	0.0056	-2.5 to 2.5	Pass
				-30	3.85	5.200	0.0029	-2.5 to 2.5	Pass
				-20	3.85	7.433	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.886	-0.0028	-2.5 to 2.5	Pass
				0	3.85	0.649	0.0004	-2.5 to 2.5	Pass
				10	3.85	-4.595	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-0.717	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.055	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.089	-0.0006	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	8.628	0.0050	-2.5 to 2.5	Pass
					3.85	-0.217	-0.0001	-2.5 to 2.5	Pass
					4.43	0.670	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.437	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.485	0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.959	0.0017	-2.5 to 2.5	Pass



				0	3.85	-1.168	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.653	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.580	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.463	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.333	-0.0008	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-1.033	-0.0006	-2.5 to 2.5	Pass
					3.85	0.759	0.0004	-2.5 to 2.5	Pass
					4.43	1.954	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.769	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.029	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.393	0.0014	-2.5 to 2.5	Pass
				0	3.85	3.277	0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.008	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-8.629	-0.0049	-2.5 to 2.5	Pass
				40	3.85	1.286	0.0007	-2.5 to 2.5	Pass
				50	3.85	2.139	0.0012	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	7.209	0.0041	-2.5 to 2.5	Pass
					3.85	6.893	0.0039	-2.5 to 2.5	Pass
					4.43	-2.716	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.057	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.218	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.161	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-2.007	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.948	-0.0028	-2.5 to 2.5	Pass
				30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				40	3.85	4.733	0.0027	-2.5 to 2.5	Pass
				50	3.85	0.814	0.0005	-2.5 to 2.5	Pass

6.6 B66_20MHz

6.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-0.109	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.050	0.0000	-2.5 to 2.5	Pass
					4.43	2.331	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.277	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.607	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	3.371	0.0020	-2.5 to 2.5	Pass
				0	3.85	-6.514	-0.0038	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.226	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.351	-0.0049	-2.5 to 2.5	Pass



16QAM	1745	100	0	50	3.85	1.779	0.0010	-2.5 to 2.5	Pass
				20	3.27	-3.424	-0.0020	-2.5 to 2.5	Pass
					3.85	-0.738	-0.0004	-2.5 to 2.5	Pass
					4.43	-6.384	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.624	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.257	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.792	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.730	0.0016	-2.5 to 2.5	Pass
				10	3.85	3.643	0.0021	-2.5 to 2.5	Pass
				30	3.85	0.180	0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.051	-0.0012	-2.5 to 2.5	Pass
				50	3.85	5.306	0.0030	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-1.566	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.255	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.862	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.524	0.0014	-2.5 to 2.5	Pass
				-20	3.85	7.441	0.0042	-2.5 to 2.5	Pass
				-10	3.85	3.454	0.0020	-2.5 to 2.5	Pass
				0	3.85	0.161	0.0001	-2.5 to 2.5	Pass
				10	3.85	4.477	0.0025	-2.5 to 2.5	Pass
				30	3.85	-0.113	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.165	0.0007	-2.5 to 2.5	Pass
				50	3.85	5.740	0.0032	-2.5 to 2.5	Pass
	1720	100	0	20	3.27	-2.436	-0.0014	-2.5 to 2.5	Pass
					3.85	2.602	0.0015	-2.5 to 2.5	Pass
					4.43	-3.541	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	3.956	0.0023	-2.5 to 2.5	Pass
				-20	3.85	1.354	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				0	3.85	-6.810	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-0.135	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.188	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.434	-0.0008	-2.5 to 2.5	Pass
				50	3.85	0.781	0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.835	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.229	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.130	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	1.103	0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.075	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.950	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.333	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.601	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.044	0.0000	-2.5 to 2.5	Pass
				40	3.85	5.348	0.0031	-2.5 to 2.5	Pass
				50	3.85	-8.049	-0.0046	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	3.224	0.0018	-2.5 to 2.5	Pass
					3.85	3.687	0.0021	-2.5 to 2.5	Pass





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					4.43	-0.631	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.265	0.0001	-2.5 to 2.5	Pass
				-20	3.85	3.516	0.0020	-2.5 to 2.5	Pass
				-10	3.85	1.517	0.0009	-2.5 to 2.5	Pass
				0	3.85	5.771	0.0033	-2.5 to 2.5	Pass
				10	3.85	-1.012	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.447	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.457	-0.0025	-2.5 to 2.5	Pass
				50	3.85	1.118	0.0006	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B71_5MHz

7.1.1 Test Result

Band: 71 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	665.5	25	0	20	3.27	-1.086	-0.0016	-2.5 to 2.5	Pass
					3.85	0.439	0.0007	-2.5 to 2.5	Pass
					4.43	-2.087	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	2.794	0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.509	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.584	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.062	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.149	0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.319	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.871	-0.0028	-2.5 to 2.5	Pass
				50	3.85	1.002	0.0015	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	0.056	0.0001	-2.5 to 2.5	Pass
					3.85	-0.823	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.656	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.319	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.864	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.213	0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.071	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.892	0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.368	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.563	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.059	-0.0001	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-1.258	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.239	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.209	-0.0003	-2.5 to 2.5	Pass



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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				-30	3.85	0.968	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.960	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.328	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.804	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.740	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.573	-0.0008	-2.5 to 2.5	Pass
				40	3.85	0.893	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.020	0.0000	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-1.572	-0.0024	-2.5 to 2.5	Pass
					3.85	-0.909	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.250	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-0.236	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.807	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	1.378	0.0021	-2.5 to 2.5	Pass
				0	3.85	-0.481	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.409	0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.913	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-0.641	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.793	-0.0012	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-0.105	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.980	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.647	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.386	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-0.063	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.779	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.548	-0.0023	-2.5 to 2.5	Pass
				10	3.85	1.575	0.0023	-2.5 to 2.5	Pass
				30	3.85	-0.395	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.723	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.810	-0.0012	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-0.987	-0.0014	-2.5 to 2.5	Pass
					3.85	0.241	0.0003	-2.5 to 2.5	Pass
					4.43	-3.642	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	1.707	0.0025	-2.5 to 2.5	Pass
				-20	3.85	0.283	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.535	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.386	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-0.155	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.007	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.479	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.383	-0.0006	-2.5 to 2.5	Pass

7.2 B71_10MHz



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Shenzhen Branch

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

7.2.1 Test Result

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.27	-2.837	-0.0042	-2.5 to 2.5	Pass
					3.85	0.470	0.0007	-2.5 to 2.5	Pass
					4.43	-1.389	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.528	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.870	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.154	0.0032	-2.5 to 2.5	Pass
				0	3.85	-0.284	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.023	0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.608	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.375	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.304	-0.0020	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-1.128	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.378	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.218	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.228	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.447	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.289	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.020	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
	693	50	0	20	3.27	0.773	0.0011	-2.5 to 2.5	Pass
					3.85	-0.735	-0.0011	-2.5 to 2.5	Pass
					4.43	3.004	0.0043	-2.5 to 2.5	Pass
				-30	3.85	1.184	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.932	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.576	0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.596	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.353	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.907	0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.002	-0.0029	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-0.977	-0.0015	-2.5 to 2.5	Pass
					3.85	0.103	0.0002	-2.5 to 2.5	Pass
					4.43	0.797	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.208	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.988	0.0030	-2.5 to 2.5	Pass
				-10	3.85	0.461	0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.807	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-0.663	-0.0010	-2.5 to 2.5	Pass



	680.5	50	0	30	3.85	0.263	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.320	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.256	0.0004	-2.5 to 2.5	Pass
				20	3.27	0.049	0.0001	-2.5 to 2.5	Pass
					3.85	-0.595	-0.0009	-2.5 to 2.5	Pass
					4.43	2.495	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.442	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.921	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.553	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.043	-0.0015	-2.5 to 2.5	Pass
	693	50	0	10	3.85	-0.132	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.567	-0.0008	-2.5 to 2.5	Pass
				40	3.85	0.424	0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.854	-0.0027	-2.5 to 2.5	Pass
				20	3.27	0.691	0.0010	-2.5 to 2.5	Pass
					3.85	1.498	0.0022	-2.5 to 2.5	Pass
					4.43	-0.993	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.491	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.424	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.383	0.0034	-2.5 to 2.5	Pass
				0	3.85	1.938	0.0028	-2.5 to 2.5	Pass
				10	3.85	1.171	0.0017	-2.5 to 2.5	Pass
				30	3.85	0.782	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.190	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.888	-0.0013	-2.5 to 2.5	Pass

7.3 B71_15MHz

7.3.1 Test Result

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	3.27	1.529	0.0023	-2.5 to 2.5	Pass
					3.85	0.293	0.0004	-2.5 to 2.5	Pass
					4.43	0.530	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.789	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.079	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.845	-0.0028	-2.5 to 2.5	Pass
				0	3.85	0.919	0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.775	-0.0012	-2.5 to 2.5	Pass
				30	3.85	3.167	0.0047	-2.5 to 2.5	Pass
				40	3.85	0.655	0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.048	-0.0001	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	0.696	0.0010	-2.5 to 2.5	Pass





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					3.85	-1.145	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.747	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-0.465	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.694	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.479	0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.851	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.762	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-0.776	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.451	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0021	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	0.131	0.0002	-2.5 to 2.5	Pass
					3.85	1.919	0.0028	-2.5 to 2.5	Pass
				4.43	1.585	0.0023	-2.5 to 2.5	Pass	
				-30	3.85	1.547	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.209	0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.183	-0.0032	-2.5 to 2.5	Pass
				10	3.85	1.001	0.0014	-2.5 to 2.5	Pass
				30	3.85	0.336	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.589	0.0009	-2.5 to 2.5	Pass
50	3.85	1.625	0.0024	-2.5 to 2.5	Pass				
16QAM	670.5	75	0	20	3.27	-2.449	-0.0037	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				4.43	-1.405	-0.0021	-2.5 to 2.5	Pass	
				-30	3.85	-0.411	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.186	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.955	-0.0014	-2.5 to 2.5	Pass
				10	3.85	1.662	0.0025	-2.5 to 2.5	Pass
				30	3.85	0.966	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.729	0.0026	-2.5 to 2.5	Pass
	50	3.85	-1.855	-0.0028	-2.5 to 2.5	Pass			
	680.5	75	0	20	3.27	0.714	0.0010	-2.5 to 2.5	Pass
					3.85	-0.838	-0.0012	-2.5 to 2.5	Pass
				4.43	-0.580	-0.0009	-2.5 to 2.5	Pass	
				-30	3.85	0.311	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.140	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.513	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.895	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.861	-0.0042	-2.5 to 2.5	Pass
40				3.85	-1.576	-0.0023	-2.5 to 2.5	Pass	
50	3.85	0.245	0.0004	-2.5 to 2.5	Pass				
690.5	75	0	20	3.27	-0.253	-0.0004	-2.5 to 2.5	Pass	
				3.85	-0.190	-0.0003	-2.5 to 2.5	Pass	
			4.43	-0.566	-0.0008	-2.5 to 2.5	Pass		
			-30	3.85	2.654	0.0038	-2.5 to 2.5	Pass	



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No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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				-20	3.85	3.133	0.0045	-2.5 to 2.5	Pass
				-10	3.85	-1.372	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.237	-0.0018	-2.5 to 2.5	Pass
				10	3.85	0.675	0.0010	-2.5 to 2.5	Pass
				30	3.85	3.020	0.0044	-2.5 to 2.5	Pass
				40	3.85	1.510	0.0022	-2.5 to 2.5	Pass
				50	3.85	1.021	0.0015	-2.5 to 2.5	Pass

7.4 B71_20MHz

7.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.27	-1.312	-0.0019	-2.5 to 2.5	Pass
					3.85	-0.315	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.502	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	0.038	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.319	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-0.965	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.079	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.590	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.534	-0.0023	-2.5 to 2.5	Pass
				40	3.85	1.283	0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.583	-0.0009	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-0.862	-0.0013	-2.5 to 2.5	Pass
					3.85	0.565	0.0008	-2.5 to 2.5	Pass
					4.43	2.094	0.0031	-2.5 to 2.5	Pass
				-30	3.85	0.271	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.036	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.146	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.759	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.402	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.469	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.418	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.111	0.0016	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-1.278	-0.0019	-2.5 to 2.5	Pass
					3.85	-0.460	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.622	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.044	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.285	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.481	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-0.344	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.997	-0.0014	-2.5 to 2.5	Pass



				30	3.85	-1.148	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.632	-0.0009	-2.5 to 2.5	Pass
				50	3.85	1.596	0.0023	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-0.444	-0.0007	-2.5 to 2.5	Pass
					3.85	0.672	0.0010	-2.5 to 2.5	Pass
					4.43	-2.334	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.177	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.139	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.212	0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.229	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-2.078	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.852	-0.0013	-2.5 to 2.5	Pass
				50	3.85	1.039	0.0015	-2.5 to 2.5	Pass
	683	100	0	20	3.27	0.645	0.0009	-2.5 to 2.5	Pass
					3.85	1.491	0.0022	-2.5 to 2.5	Pass
					4.43	0.231	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.362	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.278	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.968	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.293	0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.720	-0.0011	-2.5 to 2.5	Pass
				30	3.85	2.454	0.0036	-2.5 to 2.5	Pass
				40	3.85	0.853	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.618	0.0009	-2.5 to 2.5	Pass
	688	100	0	20	3.27	2.468	0.0036	-2.5 to 2.5	Pass
					3.85	-0.569	-0.0008	-2.5 to 2.5	Pass
					4.43	0.144	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.666	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.056	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.123	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.795	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.694	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-0.089	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.437	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.841	-0.0012	-2.5 to 2.5	Pass

