

Appendix for KSCR2207001267AT-FCC-LTE-Frequency Stability

1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	10.8	-1.616	-0.0009	-2.5 to 2.5	Pass
					12	-5.651	-0.0031	-2.5 to 2.5	Pass
					13.2	-2.317	-0.0013	-2.5 to 2.5	Pass
				-30	12	-1.717	-0.0009	-2.5 to 2.5	Pass
				-20	12	0.401	0.0002	-2.5 to 2.5	Pass
				-10	12	-4.778	-0.0026	-2.5 to 2.5	Pass
				0	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				10	12	-5.808	-0.0031	-2.5 to 2.5	Pass
				30	12	-1.287	-0.0007	-2.5 to 2.5	Pass
				40	12	-1.802	-0.0010	-2.5 to 2.5	Pass
				50	12	1.903	0.0010	-2.5 to 2.5	Pass
	1880	6	0	20	10.8	4.635	0.0025	-2.5 to 2.5	Pass
					12	3.376	0.0018	-2.5 to 2.5	Pass
					13.2	3.247	0.0017	-2.5 to 2.5	Pass
				-30	12	3.219	0.0017	-2.5 to 2.5	Pass
				-20	12	3.619	0.0019	-2.5 to 2.5	Pass
				-10	12	6.065	0.0032	-2.5 to 2.5	Pass
				0	12	8.998	0.0048	-2.5 to 2.5	Pass
				10	12	4.807	0.0026	-2.5 to 2.5	Pass
				30	12	7.567	0.0040	-2.5 to 2.5	Pass
				40	12	2.861	0.0015	-2.5 to 2.5	Pass
				50	12	8.039	0.0043	-2.5 to 2.5	Pass
	1909.3	6	0	20	10.8	-0.229	-0.0001	-2.5 to 2.5	Pass
					12	-2.604	-0.0014	-2.5 to 2.5	Pass
					13.2	-2.003	-0.0010	-2.5 to 2.5	Pass
				-30	12	-0.572	-0.0003	-2.5 to 2.5	Pass
				-20	12	0.830	0.0004	-2.5 to 2.5	Pass
				-10	12	1.073	0.0006	-2.5 to 2.5	Pass
				0	12	-0.401	-0.0002	-2.5 to 2.5	Pass
				10	12	3.076	0.0016	-2.5 to 2.5	Pass
				30	12	0.501	0.0003	-2.5 to 2.5	Pass
				40	12	-1.488	-0.0008	-2.5 to 2.5	Pass
				50	12	-4.091	-0.0021	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	10.8	3.977	0.0021	-2.5 to 2.5	Pass
					12	2.775	0.0015	-2.5 to 2.5	Pass
					13.2	3.862	0.0021	-2.5 to 2.5	Pass
				-30	12	1.101	0.0006	-2.5 to 2.5	Pass
				-20	12	-1.860	-0.0010	-2.5 to 2.5	Pass
				-10	12	-1.173	-0.0006	-2.5 to 2.5	Pass
				0	12	2.975	0.0016	-2.5 to 2.5	Pass



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				10	12	-4.306	-0.0023	-2.5 to 2.5	Pass
				30	12	6.824	0.0037	-2.5 to 2.5	Pass
				40	12	2.875	0.0016	-2.5 to 2.5	Pass
				50	12	-4.392	-0.0024	-2.5 to 2.5	Pass
	1880	6	0	20	10.8	0.701	0.0004	-2.5 to 2.5	Pass
					12	2.918	0.0016	-2.5 to 2.5	Pass
					13.2	5.465	0.0029	-2.5 to 2.5	Pass
				-30	12	9.999	0.0053	-2.5 to 2.5	Pass
				-20	12	4.077	0.0022	-2.5 to 2.5	Pass
				-10	12	8.397	0.0045	-2.5 to 2.5	Pass
				0	12	4.807	0.0026	-2.5 to 2.5	Pass
				10	12	5.364	0.0029	-2.5 to 2.5	Pass
				30	12	6.294	0.0033	-2.5 to 2.5	Pass
				40	12	1.330	0.0007	-2.5 to 2.5	Pass
				50	12	6.480	0.0034	-2.5 to 2.5	Pass
	1909.3	6	0	20	10.8	1.817	0.0010	-2.5 to 2.5	Pass
					12	0.257	0.0001	-2.5 to 2.5	Pass
					13.2	1.745	0.0009	-2.5 to 2.5	Pass
				-30	12	-0.443	-0.0002	-2.5 to 2.5	Pass
				-20	12	-1.130	-0.0006	-2.5 to 2.5	Pass
				-10	12	0.987	0.0005	-2.5 to 2.5	Pass
				0	12	-1.388	-0.0007	-2.5 to 2.5	Pass
				10	12	5.722	0.0030	-2.5 to 2.5	Pass
				30	12	3.619	0.0019	-2.5 to 2.5	Pass
				40	12	4.778	0.0025	-2.5 to 2.5	Pass
				50	12	-1.602	-0.0008	-2.5 to 2.5	Pass
64QAM	1850.7	6	0	20	10.8	1.559	0.0008	-2.5 to 2.5	Pass
					12	5.980	0.0032	-2.5 to 2.5	Pass
					13.2	2.275	0.0012	-2.5 to 2.5	Pass
				-30	12	1.831	0.0010	-2.5 to 2.5	Pass
				-20	12	-2.475	-0.0013	-2.5 to 2.5	Pass
				-10	12	3.419	0.0018	-2.5 to 2.5	Pass
				0	12	-2.246	-0.0012	-2.5 to 2.5	Pass
				10	12	3.347	0.0018	-2.5 to 2.5	Pass
				30	12	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	12	-4.134	-0.0022	-2.5 to 2.5	Pass
				50	12	2.904	0.0016	-2.5 to 2.5	Pass
	1880	6	0	20	10.8	4.821	0.0026	-2.5 to 2.5	Pass
					12	5.393	0.0029	-2.5 to 2.5	Pass
					13.2	7.925	0.0042	-2.5 to 2.5	Pass
				-30	12	4.706	0.0025	-2.5 to 2.5	Pass
				-20	12	3.662	0.0019	-2.5 to 2.5	Pass
				-10	12	1.445	0.0008	-2.5 to 2.5	Pass
				0	12	9.656	0.0051	-2.5 to 2.5	Pass
				10	12	8.798	0.0047	-2.5 to 2.5	Pass
				30	12	2.031	0.0011	-2.5 to 2.5	Pass
				40	12	5.608	0.0030	-2.5 to 2.5	Pass
				50	12	6.680	0.0036	-2.5 to 2.5	Pass
	1909.3	6	0	20	10.8	2.975	0.0016	-2.5 to 2.5	Pass
					12	-0.029	0.0000	-2.5 to 2.5	Pass
					13.2	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	12	1.059	0.0006	-2.5 to 2.5	Pass
				-20	12	-0.644	-0.0003	-2.5 to 2.5	Pass
				-10	12	-4.492	-0.0024	-2.5 to 2.5	Pass



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				0	12	-1.917	-0.0010	-2.5 to 2.5	Pass
				10	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	12	-3.233	-0.0017	-2.5 to 2.5	Pass
				40	12	-6.022	-0.0032	-2.5 to 2.5	Pass
				50	12	-4.463	-0.0023	-2.5 to 2.5	Pass
256QAM	1850.7	6	0	20	10.8	-2.775	-0.0015	-2.5 to 2.5	Pass
					12	8.755	0.0047	-2.5 to 2.5	Pass
					13.2	2.346	0.0013	-2.5 to 2.5	Pass
				-30	12	1.531	0.0008	-2.5 to 2.5	Pass
				-20	12	3.204	0.0017	-2.5 to 2.5	Pass
				-10	12	6.680	0.0036	-2.5 to 2.5	Pass
				0	12	1.216	0.0007	-2.5 to 2.5	Pass
				10	12	2.761	0.0015	-2.5 to 2.5	Pass
				30	12	-2.275	-0.0012	-2.5 to 2.5	Pass
				40	12	5.093	0.0028	-2.5 to 2.5	Pass
				50	12	2.203	0.0012	-2.5 to 2.5	Pass
	1880	6	0	20	10.8	4.191	0.0022	-2.5 to 2.5	Pass
					12	2.189	0.0012	-2.5 to 2.5	Pass
					13.2	6.166	0.0033	-2.5 to 2.5	Pass
				-30	12	6.180	0.0033	-2.5 to 2.5	Pass
				-20	12	2.389	0.0013	-2.5 to 2.5	Pass
				-10	12	4.964	0.0026	-2.5 to 2.5	Pass
				0	12	1.187	0.0006	-2.5 to 2.5	Pass
				10	12	5.565	0.0030	-2.5 to 2.5	Pass
				30	12	4.048	0.0022	-2.5 to 2.5	Pass
				40	12	-2.732	-0.0015	-2.5 to 2.5	Pass
				50	12	7.911	0.0042	-2.5 to 2.5	Pass
	1909.3	6	0	20	10.8	0.157	0.0001	-2.5 to 2.5	Pass
					12	-6.323	-0.0033	-2.5 to 2.5	Pass
					13.2	-6.680	-0.0035	-2.5 to 2.5	Pass
				-30	12	0.501	0.0003	-2.5 to 2.5	Pass
				-20	12	-7.281	-0.0038	-2.5 to 2.5	Pass
				-10	12	-4.406	-0.0023	-2.5 to 2.5	Pass
				0	12	-2.031	-0.0011	-2.5 to 2.5	Pass
				10	12	-1.473	-0.0008	-2.5 to 2.5	Pass
				30	12	2.904	0.0015	-2.5 to 2.5	Pass
				40	12	-2.875	-0.0015	-2.5 to 2.5	Pass
				50	12	-2.689	-0.0014	-2.5 to 2.5	Pass

1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	10.8	-3.076	-0.0017	-2.5 to 2.5	Pass
					12	-5.307	-0.0029	-2.5 to 2.5	Pass
					13.2	-4.921	-0.0027	-2.5 to 2.5	Pass
				-30	12	-1.130	-0.0006	-2.5 to 2.5	Pass
				-20	12	-7.024	-0.0038	-2.5 to 2.5	Pass
				-10	12	-4.792	-0.0026	-2.5 to 2.5	Pass



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				0	12	-0.229	-0.0001	-2.5 to 2.5	Pass			
				10	12	2.747	0.0015	-2.5 to 2.5	Pass			
				30	12	-3.204	-0.0017	-2.5 to 2.5	Pass			
				40	12	-0.644	-0.0003	-2.5 to 2.5	Pass			
				50	12	-6.981	-0.0038	-2.5 to 2.5	Pass			
	1880	15	0	20	10.8	2.875	0.0015	-2.5 to 2.5	Pass			
					12	2.360	0.0013	-2.5 to 2.5	Pass			
					13.2	-0.043	0.0000	-2.5 to 2.5	Pass			
				-30	12	1.702	0.0009	-2.5 to 2.5	Pass			
				-20	12	-2.689	-0.0014	-2.5 to 2.5	Pass			
				-10	12	-1.044	-0.0006	-2.5 to 2.5	Pass			
				0	12	0.243	0.0001	-2.5 to 2.5	Pass			
				10	12	0.372	0.0002	-2.5 to 2.5	Pass			
				30	12	-2.146	-0.0011	-2.5 to 2.5	Pass			
				40	12	1.988	0.0011	-2.5 to 2.5	Pass			
				50	12	-1.302	-0.0007	-2.5 to 2.5	Pass			
				1908.5	15	0	20	10.8	10.86	0.0017	-2.5 to 2.5	Pass
								12	-1.674	-0.0009	-2.5 to 2.5	Pass
	13.2	1.760	0.0009					-2.5 to 2.5	Pass			
	-30	12	3.862				0.0020	-2.5 to 2.5	Pass			
	-20	12	3.104				0.0016	-2.5 to 2.5	Pass			
	-10	12	-0.243				-0.0001	-2.5 to 2.5	Pass			
	0	12	1.259				0.0007	-2.5 to 2.5	Pass			
	10	12	-0.057				0.0000	-2.5 to 2.5	Pass			
	30	12	-1.588				-0.0008	-2.5 to 2.5	Pass			
	40	12	-1.101				-0.0006	-2.5 to 2.5	Pass			
	50	12	-0.544				-0.0003	-2.5 to 2.5	Pass			
	16QAM	1851.5	15				0	20	10.8	0.100	0.0001	-2.5 to 2.5
				12	-2.260	-0.0012			-2.5 to 2.5	Pass		
				13.2	-4.163	-0.0022			-2.5 to 2.5	Pass		
-30				12	0.973	0.0005		-2.5 to 2.5	Pass			
-20				12	2.174	0.0012		-2.5 to 2.5	Pass			
-10				12	-0.772	-0.0004		-2.5 to 2.5	Pass			
0				12	1.202	0.0006		-2.5 to 2.5	Pass			
10				12	-0.029	0.0000		-2.5 to 2.5	Pass			
30				12	6.351	0.0034		-2.5 to 2.5	Pass			
40				12	3.161	0.0017		-2.5 to 2.5	Pass			
50				12	3.705	0.0020		-2.5 to 2.5	Pass			
1880				15	0	20		10.8	2.360	0.0013	-2.5 to 2.5	Pass
		12	0.672				0.0004	-2.5 to 2.5	Pass			
		13.2	0.987				0.0005	-2.5 to 2.5	Pass			
		-30	12			-1.945	-0.0010	-2.5 to 2.5	Pass			
		-20	12			0.687	0.0004	-2.5 to 2.5	Pass			
		-10	12			2.375	0.0013	-2.5 to 2.5	Pass			
		0	12			2.847	0.0015	-2.5 to 2.5	Pass			
		10	12			0.358	0.0002	-2.5 to 2.5	Pass			
		30	12			1.373	0.0007	-2.5 to 2.5	Pass			
		40	12			3.648	0.0019	-2.5 to 2.5	Pass			
		50	12			0.129	0.0001	-2.5 to 2.5	Pass			
		1908.5	15			0	20	10.8	3.490	0.0018	-2.5 to 2.5	Pass
12				-0.286	-0.0001			-2.5 to 2.5	Pass			
13.2				0.329	0.0002			-2.5 to 2.5	Pass			
-30				12	2.160		0.0011	-2.5 to 2.5	Pass			
-20				12	2.575		0.0013	-2.5 to 2.5	Pass			



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				-10	12	-2.232	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.315	-0.0002	-2.5 to 2.5	Pass
				10	12	-4.535	-0.0024	-2.5 to 2.5	Pass
				30	12	1.230	0.0006	-2.5 to 2.5	Pass
				40	12	-1.588	-0.0008	-2.5 to 2.5	Pass
				50	12	2.518	0.0013	-2.5 to 2.5	Pass
64QAM	1851.5	15	0	20	10.8	4.106	0.0022	-2.5 to 2.5	Pass
					12	2.847	0.0015	-2.5 to 2.5	Pass
					13.2	2.189	0.0012	-2.5 to 2.5	Pass
				-30	12	1.831	0.0010	-2.5 to 2.5	Pass
				-20	12	7.911	0.0043	-2.5 to 2.5	Pass
				-10	12	0.157	0.0001	-2.5 to 2.5	Pass
				0	12	2.232	0.0012	-2.5 to 2.5	Pass
				10	12	2.246	0.0012	-2.5 to 2.5	Pass
				30	12	7.696	0.0042	-2.5 to 2.5	Pass
				40	12	4.520	0.0024	-2.5 to 2.5	Pass
	50	12	1.431	0.0008	-2.5 to 2.5	Pass			
	1880	15	0	20	10.8	0.100	0.0001	-2.5 to 2.5	Pass
					12	7.067	0.0038	-2.5 to 2.5	Pass
					13.2	0.143	0.0001	-2.5 to 2.5	Pass
				-30	12	5.636	0.0030	-2.5 to 2.5	Pass
				-20	12	2.632	0.0014	-2.5 to 2.5	Pass
				-10	12	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	12	1.302	0.0007	-2.5 to 2.5	Pass
				10	12	-3.877	-0.0021	-2.5 to 2.5	Pass
				30	12	3.119	0.0017	-2.5 to 2.5	Pass
				40	12	2.403	0.0013	-2.5 to 2.5	Pass
	50	12	-1.159	-0.0006	-2.5 to 2.5	Pass			
	1908.5	15	0	20	10.8	-4.621	-0.0024	-2.5 to 2.5	Pass
					12	1.130	0.0006	-2.5 to 2.5	Pass
					13.2	2.489	0.0013	-2.5 to 2.5	Pass
				-30	12	3.204	0.0017	-2.5 to 2.5	Pass
				-20	12	2.103	0.0011	-2.5 to 2.5	Pass
				-10	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	12	-1.087	-0.0006	-2.5 to 2.5	Pass
				10	12	0.143	0.0001	-2.5 to 2.5	Pass
30				12	-7.653	-0.0040	-2.5 to 2.5	Pass	
40				12	-3.233	-0.0017	-2.5 to 2.5	Pass	
50	12	-2.074	-0.0011	-2.5 to 2.5	Pass				
256QAM	1851.5	15	0	20	10.8	-0.772	-0.0004	-2.5 to 2.5	Pass
					12	6.237	0.0034	-2.5 to 2.5	Pass
					13.2	3.147	0.0017	-2.5 to 2.5	Pass
				-30	12	-3.905	-0.0021	-2.5 to 2.5	Pass
				-20	12	1.130	0.0006	-2.5 to 2.5	Pass
				-10	12	-0.715	-0.0004	-2.5 to 2.5	Pass
				0	12	-1.230	-0.0007	-2.5 to 2.5	Pass
				10	12	-2.847	-0.0015	-2.5 to 2.5	Pass
				30	12	0.715	0.0004	-2.5 to 2.5	Pass
				40	12	2.632	0.0014	-2.5 to 2.5	Pass
	50	12	-1.302	-0.0007	-2.5 to 2.5	Pass			
	1880	15	0	20	10.8	3.161	0.0017	-2.5 to 2.5	Pass
					12	-1.717	-0.0009	-2.5 to 2.5	Pass
					13.2	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	12	2.847	0.0015	-2.5 to 2.5	Pass



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				-20	12	0.072	0.0000	-2.5 to 2.5	Pass
				-10	12	1.616	0.0009	-2.5 to 2.5	Pass
				0	12	-1.488	-0.0008	-2.5 to 2.5	Pass
				10	12	-0.043	0.0000	-2.5 to 2.5	Pass
				30	12	-3.247	-0.0017	-2.5 to 2.5	Pass
				40	12	4.206	0.0022	-2.5 to 2.5	Pass
				50	12	0.572	0.0003	-2.5 to 2.5	Pass
	1908.5	15	0	20	10.8	0.587	0.0003	-2.5 to 2.5	Pass
					12	0.529	0.0003	-2.5 to 2.5	Pass
					13.2	3.304	0.0017	-2.5 to 2.5	Pass
				-30	12	3.147	0.0016	-2.5 to 2.5	Pass
				-20	12	3.161	0.0017	-2.5 to 2.5	Pass
				-10	12	1.402	0.0007	-2.5 to 2.5	Pass
				0	12	-2.332	-0.0012	-2.5 to 2.5	Pass
				10	12	0.644	0.0003	-2.5 to 2.5	Pass
				30	12	3.119	0.0016	-2.5 to 2.5	Pass
				40	12	2.446	0.0013	-2.5 to 2.5	Pass
				50	12	-2.046	-0.0011	-2.5 to 2.5	Pass

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	10.8	-5.765	-0.0031	-2.5 to 2.5	Pass
					12	-0.987	-0.0005	-2.5 to 2.5	Pass
					13.2	1.302	0.0007	-2.5 to 2.5	Pass
				-30	12	1.416	0.0008	-2.5 to 2.5	Pass
				-20	12	-1.831	-0.0010	-2.5 to 2.5	Pass
				-10	12	0.157	0.0001	-2.5 to 2.5	Pass
				0	12	-2.046	-0.0011	-2.5 to 2.5	Pass
				10	12	-1.974	-0.0011	-2.5 to 2.5	Pass
				30	12	-1.874	-0.0010	-2.5 to 2.5	Pass
				40	12	1.516	0.0008	-2.5 to 2.5	Pass
				50	12	-0.672	-0.0004	-2.5 to 2.5	Pass
	1880	25	0	20	10.8	5.293	0.0028	-2.5 to 2.5	Pass
					12	2.346	0.0012	-2.5 to 2.5	Pass
					13.2	3.033	0.0016	-2.5 to 2.5	Pass
				-30	12	0.572	0.0003	-2.5 to 2.5	Pass
				-20	12	6.509	0.0035	-2.5 to 2.5	Pass
				-10	12	7.267	0.0039	-2.5 to 2.5	Pass
				0	12	7.310	0.0039	-2.5 to 2.5	Pass
				10	12	-1.073	-0.0006	-2.5 to 2.5	Pass
				30	12	4.392	0.0023	-2.5 to 2.5	Pass
				40	12	4.077	0.0022	-2.5 to 2.5	Pass
				50	12	5.178	0.0028	-2.5 to 2.5	Pass
	1907.5	25	0	20	10.8	-2.360	-0.0012	-2.5 to 2.5	Pass
					12	-2.561	-0.0013	-2.5 to 2.5	Pass
					13.2	-4.807	-0.0025	-2.5 to 2.5	Pass
				-30	12	-1.888	-0.0010	-2.5 to 2.5	Pass



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				-20	12	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	12	-1.073	-0.0006	-2.5 to 2.5	Pass
				0	12	-3.791	-0.0020	-2.5 to 2.5	Pass
				10	12	-7.467	-0.0039	-2.5 to 2.5	Pass
				30	12	-1.817	-0.0010	-2.5 to 2.5	Pass
				40	12	-1.559	-0.0008	-2.5 to 2.5	Pass
				50	12	-0.257	-0.0001	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	10.8	-3.948	-0.0021	-2.5 to 2.5	Pass
					12	0.229	0.0001	-2.5 to 2.5	Pass
					13.2	-1.516	-0.0008	-2.5 to 2.5	Pass
				-30	12	1.059	0.0006	-2.5 to 2.5	Pass
				-20	12	1.044	0.0006	-2.5 to 2.5	Pass
				-10	12	-3.433	-0.0019	-2.5 to 2.5	Pass
				0	12	-4.134	-0.0022	-2.5 to 2.5	Pass
				10	12	3.619	0.0020	-2.5 to 2.5	Pass
				30	12	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	12	1.574	0.0008	-2.5 to 2.5	Pass
				50	12	2.332	0.0013	-2.5 to 2.5	Pass
	1880	25	0	20	10.8	4.964	0.0026	-2.5 to 2.5	Pass
					12	4.320	0.0023	-2.5 to 2.5	Pass
					13.2	5.922	0.0032	-2.5 to 2.5	Pass
				-30	12	5.136	0.0027	-2.5 to 2.5	Pass
				-20	12	4.392	0.0023	-2.5 to 2.5	Pass
				-10	12	6.022	0.0032	-2.5 to 2.5	Pass
				0	12	3.963	0.0021	-2.5 to 2.5	Pass
				10	12	7.381	0.0039	-2.5 to 2.5	Pass
				30	12	6.380	0.0034	-2.5 to 2.5	Pass
				40	12	2.046	0.0011	-2.5 to 2.5	Pass
				50	12	4.535	0.0024	-2.5 to 2.5	Pass
	1907.5	25	0	20	10.8	2.375	0.0012	-2.5 to 2.5	Pass
					12	-2.575	-0.0013	-2.5 to 2.5	Pass
					13.2	-1.802	-0.0009	-2.5 to 2.5	Pass
				-30	12	-3.891	-0.0020	-2.5 to 2.5	Pass
				-20	12	5.021	0.0026	-2.5 to 2.5	Pass
				-10	12	10.86	0.0017	-2.5 to 2.5	Pass
				0	12	1.559	0.0008	-2.5 to 2.5	Pass
				10	12	4.234	0.0022	-2.5 to 2.5	Pass
				30	12	3.848	0.0020	-2.5 to 2.5	Pass
				40	12	-0.772	-0.0004	-2.5 to 2.5	Pass
				50	12	4.649	0.0024	-2.5 to 2.5	Pass
64QAM	1852.5	25	0	20	10.8	3.905	0.0021	-2.5 to 2.5	Pass
					12	1.731	0.0009	-2.5 to 2.5	Pass
					13.2	0.629	0.0003	-2.5 to 2.5	Pass
				-30	12	-2.246	-0.0012	-2.5 to 2.5	Pass
				-20	12	3.133	0.0017	-2.5 to 2.5	Pass
				-10	12	-1.245	-0.0007	-2.5 to 2.5	Pass
				0	12	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	12	1.059	0.0006	-2.5 to 2.5	Pass
				30	12	0.615	0.0003	-2.5 to 2.5	Pass
				40	12	-0.787	-0.0004	-2.5 to 2.5	Pass
				50	12	5.579	0.0030	-2.5 to 2.5	Pass
	1880	25	0	20	10.8	2.289	0.0012	-2.5 to 2.5	Pass
					12	6.037	0.0032	-2.5 to 2.5	Pass
					13.2	5.035	0.0027	-2.5 to 2.5	Pass



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256QAM	1907.5	25	0	-30	12	7.296	0.0039	-2.5 to 2.5	Pass
				-20	12	8.111	0.0043	-2.5 to 2.5	Pass
				-10	12	0.944	0.0005	-2.5 to 2.5	Pass
				0	12	6.466	0.0034	-2.5 to 2.5	Pass
				10	12	4.392	0.0023	-2.5 to 2.5	Pass
				30	12	6.194	0.0033	-2.5 to 2.5	Pass
				40	12	6.895	0.0037	-2.5 to 2.5	Pass
				50	12	7.653	0.0041	-2.5 to 2.5	Pass
				20	10.8	-2.203	-0.0012	-2.5 to 2.5	Pass
					12	3.176	0.0017	-2.5 to 2.5	Pass
					13.2	2.933	0.0015	-2.5 to 2.5	Pass
				-30	12	3.376	0.0018	-2.5 to 2.5	Pass
				-20	12	0.901	0.0005	-2.5 to 2.5	Pass
				-10	12	6.809	0.0036	-2.5 to 2.5	Pass
				0	12	2.346	0.0012	-2.5 to 2.5	Pass
				10	12	1.903	0.0010	-2.5 to 2.5	Pass
				30	12	1.402	0.0007	-2.5 to 2.5	Pass
				40	12	1.903	0.0010	-2.5 to 2.5	Pass
				50	12	2.289	0.0012	-2.5 to 2.5	Pass
256QAM	1852.5	25	0	20	10.8	2.189	0.0012	-2.5 to 2.5	Pass
					12	-2.074	-0.0011	-2.5 to 2.5	Pass
					13.2	0.100	0.0001	-2.5 to 2.5	Pass
				-30	12	3.734	0.0020	-2.5 to 2.5	Pass
				-20	12	-1.831	-0.0010	-2.5 to 2.5	Pass
				-10	12	0.486	0.0003	-2.5 to 2.5	Pass
				0	12	0.329	0.0002	-2.5 to 2.5	Pass
				10	12	-4.377	-0.0024	-2.5 to 2.5	Pass
				30	12	-1.945	-0.0010	-2.5 to 2.5	Pass
				40	12	2.217	0.0012	-2.5 to 2.5	Pass
				50	12	-4.964	-0.0027	-2.5 to 2.5	Pass
	1880	25	0	20	10.8	6.137	0.0033	-2.5 to 2.5	Pass
					12	2.403	0.0013	-2.5 to 2.5	Pass
					13.2	6.537	0.0035	-2.5 to 2.5	Pass
				-30	12	2.203	0.0012	-2.5 to 2.5	Pass
				-20	12	5.679	0.0030	-2.5 to 2.5	Pass
				-10	12	4.063	0.0022	-2.5 to 2.5	Pass
				0	12	1.359	0.0007	-2.5 to 2.5	Pass
				10	12	6.795	0.0036	-2.5 to 2.5	Pass
				30	12	5.379	0.0029	-2.5 to 2.5	Pass
				40	12	4.420	0.0024	-2.5 to 2.5	Pass
				50	12	5.293	0.0028	-2.5 to 2.5	Pass
	1907.5	25	0	20	10.8	0.644	0.0003	-2.5 to 2.5	Pass
					12	-1.388	-0.0007	-2.5 to 2.5	Pass
					13.2	2.131	0.0011	-2.5 to 2.5	Pass
				-30	12	0.415	0.0002	-2.5 to 2.5	Pass
				-20	12	0.544	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	12	4.163	0.0022	-2.5 to 2.5	Pass
				10	12	1.259	0.0007	-2.5 to 2.5	Pass
				30	12	3.033	0.0016	-2.5 to 2.5	Pass
				40	12	6.065	0.0032	-2.5 to 2.5	Pass
				50	12	-0.730	-0.0004	-2.5 to 2.5	Pass



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1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	10.8	-2.189	-0.0012	-2.5 to 2.5	Pass
					12	-2.947	-0.0016	-2.5 to 2.5	Pass
					13.2	-1.559	-0.0008	-2.5 to 2.5	Pass
				-30	12	-1.516	-0.0008	-2.5 to 2.5	Pass
				-20	12	-1.745	-0.0009	-2.5 to 2.5	Pass
				-10	12	-1.702	-0.0009	-2.5 to 2.5	Pass
				0	12	-6.137	-0.0033	-2.5 to 2.5	Pass
				10	12	-4.005	-0.0022	-2.5 to 2.5	Pass
				30	12	-2.561	-0.0014	-2.5 to 2.5	Pass
				40	12	-1.459	-0.0008	-2.5 to 2.5	Pass
	1880	50	0	20	10.8	-1.903	-0.0010	-2.5 to 2.5	Pass
					12	-2.203	-0.0012	-2.5 to 2.5	Pass
					13.2	2.646	0.0014	-2.5 to 2.5	Pass
				-30	12	-1.531	-0.0008	-2.5 to 2.5	Pass
				-20	12	0.000	0.0000	-2.5 to 2.5	Pass
				-10	12	-0.830	-0.0004	-2.5 to 2.5	Pass
				0	12	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	12	-1.631	-0.0009	-2.5 to 2.5	Pass
				30	12	1.359	0.0007	-2.5 to 2.5	Pass
				40	12	-0.858	-0.0005	-2.5 to 2.5	Pass
	1905	50	0	20	10.8	4.363	0.0023	-2.5 to 2.5	Pass
					12	1.216	0.0006	-2.5 to 2.5	Pass
					13.2	3.476	0.0018	-2.5 to 2.5	Pass
				-30	12	2.160	0.0011	-2.5 to 2.5	Pass
				-20	12	5.822	0.0031	-2.5 to 2.5	Pass
				-10	12	1.402	0.0007	-2.5 to 2.5	Pass
				0	12	4.377	0.0023	-2.5 to 2.5	Pass
				10	12	3.033	0.0016	-2.5 to 2.5	Pass
				30	12	5.822	0.0031	-2.5 to 2.5	Pass
				40	12	4.463	0.0023	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	10.8	0.830	0.0004	-2.5 to 2.5	Pass
					12	-1.130	-0.0006	-2.5 to 2.5	Pass
					13.2	-2.160	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.531	-0.0008	-2.5 to 2.5	Pass
				-20	12	-5.336	-0.0029	-2.5 to 2.5	Pass
				-10	12	-2.704	-0.0015	-2.5 to 2.5	Pass
				0	12	1.459	0.0008	-2.5 to 2.5	Pass
				10	12	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	12	-3.605	-0.0019	-2.5 to 2.5	Pass
				40	12	-4.091	-0.0022	-2.5 to 2.5	Pass
				50	12	-1.159	-0.0006	-2.5 to 2.5	Pass
	1880	50	0	20	10.8	2.561	0.0014	-2.5 to 2.5	Pass
					12	0.415	0.0002	-2.5 to 2.5	Pass



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64QAM	1905	50	0		13.2	0.901	0.0005	-2.5 to 2.5	Pass
				-30	12	2.990	0.0016	-2.5 to 2.5	Pass
				-20	12	0.572	0.0003	-2.5 to 2.5	Pass
				-10	12	-1.101	-0.0006	-2.5 to 2.5	Pass
				0	12	2.332	0.0012	-2.5 to 2.5	Pass
				10	12	1.845	0.0010	-2.5 to 2.5	Pass
				30	12	3.705	0.0020	-2.5 to 2.5	Pass
				40	12	-1.502	-0.0008	-2.5 to 2.5	Pass
				50	12	-1.187	-0.0006	-2.5 to 2.5	Pass
				20	10.8	2.575	0.0014	-2.5 to 2.5	Pass
					12	0.572	0.0003	-2.5 to 2.5	Pass
					13.2	-1.702	-0.0009	-2.5 to 2.5	Pass
				-30	12	-1.187	-0.0006	-2.5 to 2.5	Pass
				-20	12	-1.245	-0.0007	-2.5 to 2.5	Pass
				-10	12	-1.259	-0.0007	-2.5 to 2.5	Pass
				0	12	-2.618	-0.0014	-2.5 to 2.5	Pass
				10	12	-1.945	-0.0010	-2.5 to 2.5	Pass
				30	12	-1.373	-0.0007	-2.5 to 2.5	Pass
				40	12	-2.246	-0.0012	-2.5 to 2.5	Pass
				50	12	-5.536	-0.0029	-2.5 to 2.5	Pass
	1855	50	0	20	10.8	-3.390	-0.0018	-2.5 to 2.5	Pass
					12	-0.958	-0.0005	-2.5 to 2.5	Pass
					13.2	-6.309	-0.0034	-2.5 to 2.5	Pass
				-30	12	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	12	-2.460	-0.0013	-2.5 to 2.5	Pass
				-10	12	-4.721	-0.0025	-2.5 to 2.5	Pass
				0	12	-1.717	-0.0009	-2.5 to 2.5	Pass
				10	12	-7.424	-0.0040	-2.5 to 2.5	Pass
				30	12	-3.891	-0.0021	-2.5 to 2.5	Pass
				40	12	-0.572	-0.0003	-2.5 to 2.5	Pass
				50	12	-0.687	-0.0004	-2.5 to 2.5	Pass
				20	10.8	0.057	0.0000	-2.5 to 2.5	Pass
					12	-0.973	-0.0005	-2.5 to 2.5	Pass
					13.2	1.159	0.0006	-2.5 to 2.5	Pass
				-30	12	2.060	0.0011	-2.5 to 2.5	Pass
				-20	12	1.130	0.0006	-2.5 to 2.5	Pass
				-10	12	-2.303	-0.0012	-2.5 to 2.5	Pass
				0	12	5.779	0.0031	-2.5 to 2.5	Pass
				10	12	-1.230	-0.0007	-2.5 to 2.5	Pass
				30	12	2.003	0.0011	-2.5 to 2.5	Pass
				40	12	-1.116	-0.0006	-2.5 to 2.5	Pass
				50	12	-0.043	0.0000	-2.5 to 2.5	Pass
256QAM	1880	50	0	20	10.8	-1.688	-0.0009	-2.5 to 2.5	Pass
					12	-4.392	-0.0023	-2.5 to 2.5	Pass
					13.2	0.858	0.0005	-2.5 to 2.5	Pass
				-30	12	-1.502	-0.0008	-2.5 to 2.5	Pass
				-20	12	-2.604	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.575	-0.0014	-2.5 to 2.5	Pass
				0	12	-1.073	-0.0006	-2.5 to 2.5	Pass
				10	12	2.904	0.0015	-2.5 to 2.5	Pass
				30	12	3.433	0.0018	-2.5 to 2.5	Pass
				40	12	-1.602	-0.0008	-2.5 to 2.5	Pass
				50	12	-0.858	-0.0005	-2.5 to 2.5	Pass
	1905	50	0	20	10.8	-2.189	-0.0012	-2.5 to 2.5	Pass
					12	-2.189	-0.0012	-2.5 to 2.5	Pass
					13.2	-2.189	-0.0012	-2.5 to 2.5	Pass
					10.8	-2.189	-0.0012	-2.5 to 2.5	Pass



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					12	-1.559	-0.0008	-2.5 to 2.5	Pass
					13.2	1.245	0.0007	-2.5 to 2.5	Pass
				-30	12	3.033	0.0016	-2.5 to 2.5	Pass
				-20	12	4.048	0.0022	-2.5 to 2.5	Pass
				-10	12	2.146	0.0012	-2.5 to 2.5	Pass
				0	12	1.860	0.0010	-2.5 to 2.5	Pass
				10	12	2.089	0.0011	-2.5 to 2.5	Pass
				30	12	3.161	0.0017	-2.5 to 2.5	Pass
				40	12	4.306	0.0023	-2.5 to 2.5	Pass
				50	12	4.735	0.0026	-2.5 to 2.5	Pass
	1880	50	0	20	10.8	0.415	0.0002	-2.5 to 2.5	Pass
					12	-0.300	-0.0002	-2.5 to 2.5	Pass
					13.2	-0.629	-0.0003	-2.5 to 2.5	Pass
				-30	12	-1.431	-0.0008	-2.5 to 2.5	Pass
				-20	12	0.529	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.844	-0.0004	-2.5 to 2.5	Pass
				0	12	0.315	0.0002	-2.5 to 2.5	Pass
				10	12	3.963	0.0021	-2.5 to 2.5	Pass
				30	12	3.176	0.0017	-2.5 to 2.5	Pass
				40	12	0.958	0.0005	-2.5 to 2.5	Pass
	50	12	2.060	0.0011	-2.5 to 2.5	Pass			
	1905	50	0	20	10.8	-1.459	-0.0008	-2.5 to 2.5	Pass
					12	1.645	0.0009	-2.5 to 2.5	Pass
					13.2	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	12	2.532	0.0013	-2.5 to 2.5	Pass
				-20	12	3.190	0.0017	-2.5 to 2.5	Pass
				-10	12	1.845	0.0010	-2.5 to 2.5	Pass
0				12	0.973	0.0005	-2.5 to 2.5	Pass	
10				12	2.275	0.0012	-2.5 to 2.5	Pass	
30				12	0.229	0.0001	-2.5 to 2.5	Pass	
40				12	2.246	0.0012	-2.5 to 2.5	Pass	
50	12	-1.917	-0.0010	-2.5 to 2.5	Pass				

1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	10.8	6.294	0.0034	-2.5 to 2.5	Pass
					12	1.388	0.0007	-2.5 to 2.5	Pass
					13.2	3.834	0.0021	-2.5 to 2.5	Pass
				-30	12	2.990	0.0016	-2.5 to 2.5	Pass
				-20	12	4.177	0.0022	-2.5 to 2.5	Pass
				-10	12	1.330	0.0007	-2.5 to 2.5	Pass
				0	12	1.602	0.0009	-2.5 to 2.5	Pass
				10	12	3.519	0.0019	-2.5 to 2.5	Pass
				30	12	3.676	0.0020	-2.5 to 2.5	Pass
				40	12	1.273	0.0007	-2.5 to 2.5	Pass
	50	12	3.877	0.0021	-2.5 to 2.5	Pass			
	1880	75	0	20	10.8	2.503	0.0013	-2.5 to 2.5	Pass



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800-512157356088 800-512157370010 www.sgsygroup.com.cn
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					12	-2.460	-0.0013	-2.5 to 2.5	Pass
					13.2	0.000	0.0000	-2.5 to 2.5	Pass
				-30	12	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	12	-2.532	-0.0013	-2.5 to 2.5	Pass
				-10	12	4.592	0.0024	-2.5 to 2.5	Pass
				0	12	1.330	0.0007	-2.5 to 2.5	Pass
				10	12	1.187	0.0006	-2.5 to 2.5	Pass
				30	12	-3.462	-0.0018	-2.5 to 2.5	Pass
				40	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	12	-0.944	-0.0005	-2.5 to 2.5	Pass
	1902.5	75	0	20	10.8	6.652	0.0035	-2.5 to 2.5	Pass
					12	3.619	0.0019	-2.5 to 2.5	Pass
					13.2	4.592	0.0024	-2.5 to 2.5	Pass
				-30	12	1.230	0.0006	-2.5 to 2.5	Pass
				-20	12	3.748	0.0020	-2.5 to 2.5	Pass
				-10	12	4.420	0.0023	-2.5 to 2.5	Pass
				0	12	1.187	0.0006	-2.5 to 2.5	Pass
				10	12	3.591	0.0019	-2.5 to 2.5	Pass
				30	12	3.347	0.0018	-2.5 to 2.5	Pass
40				12	3.576	0.0019	-2.5 to 2.5	Pass	
50	12	2.317	0.0012	-2.5 to 2.5	Pass				
16QAM	1857.5	75	0	20	10.8	3.104	0.0017	-2.5 to 2.5	Pass
					12	0.744	0.0004	-2.5 to 2.5	Pass
					13.2	0.987	0.0005	-2.5 to 2.5	Pass
				-30	12	1.602	0.0009	-2.5 to 2.5	Pass
				-20	12	-1.631	-0.0009	-2.5 to 2.5	Pass
				-10	12	-1.287	-0.0007	-2.5 to 2.5	Pass
				0	12	-3.490	-0.0019	-2.5 to 2.5	Pass
				10	12	-3.819	-0.0021	-2.5 to 2.5	Pass
				30	12	-2.904	-0.0016	-2.5 to 2.5	Pass
				40	12	-3.133	-0.0017	-2.5 to 2.5	Pass
				50	12	1.516	0.0008	-2.5 to 2.5	Pass
	1880	75	0	20	10.8	2.060	0.0011	-2.5 to 2.5	Pass
					12	2.618	0.0014	-2.5 to 2.5	Pass
					13.2	1.001	0.0005	-2.5 to 2.5	Pass
				-30	12	0.901	0.0005	-2.5 to 2.5	Pass
				-20	12	0.558	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.501	-0.0003	-2.5 to 2.5	Pass
				0	12	1.030	0.0005	-2.5 to 2.5	Pass
				10	12	3.219	0.0017	-2.5 to 2.5	Pass
				30	12	-0.043	0.0000	-2.5 to 2.5	Pass
				40	12	1.559	0.0008	-2.5 to 2.5	Pass
				50	12	2.604	0.0014	-2.5 to 2.5	Pass
	1902.5	75	0	20	10.8	0.229	0.0001	-2.5 to 2.5	Pass
					12	3.090	0.0016	-2.5 to 2.5	Pass
					13.2	1.187	0.0006	-2.5 to 2.5	Pass
				-30	12	2.861	0.0015	-2.5 to 2.5	Pass
				-20	12	2.689	0.0014	-2.5 to 2.5	Pass
				-10	12	4.263	0.0022	-2.5 to 2.5	Pass
				0	12	3.819	0.0020	-2.5 to 2.5	Pass
				10	12	4.892	0.0026	-2.5 to 2.5	Pass
				30	12	1.416	0.0007	-2.5 to 2.5	Pass
				40	12	3.405	0.0018	-2.5 to 2.5	Pass
				50	12	2.346	0.0012	-2.5 to 2.5	Pass



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64QAM	1857.5	75	0	20	10.8	1.674	0.0009	-2.5 to 2.5	Pass
					12	-2.747	-0.0015	-2.5 to 2.5	Pass
					13.2	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	12	-2.789	-0.0015	-2.5 to 2.5	Pass
				-20	12	-2.875	-0.0015	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				0	12	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	12	-1.316	-0.0007	-2.5 to 2.5	Pass
				30	12	-3.176	-0.0017	-2.5 to 2.5	Pass
				40	12	-1.173	-0.0006	-2.5 to 2.5	Pass
				50	12	-1.388	-0.0007	-2.5 to 2.5	Pass
	1880	75	0	20	10.8	1.960	0.0010	-2.5 to 2.5	Pass
					12	0.286	0.0002	-2.5 to 2.5	Pass
					13.2	-1.402	-0.0007	-2.5 to 2.5	Pass
				-30	12	1.359	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.372	-0.0002	-2.5 to 2.5	Pass
				-10	12	1.903	0.0010	-2.5 to 2.5	Pass
				0	12	2.346	0.0012	-2.5 to 2.5	Pass
				10	12	5.407	0.0029	-2.5 to 2.5	Pass
				30	12	-0.057	0.0000	-2.5 to 2.5	Pass
				40	12	2.160	0.0011	-2.5 to 2.5	Pass
				50	12	-0.286	-0.0002	-2.5 to 2.5	Pass
	1902.5	75	0	20	10.8	3.505	0.0018	-2.5 to 2.5	Pass
					12	1.416	0.0007	-2.5 to 2.5	Pass
					13.2	1.616	0.0008	-2.5 to 2.5	Pass
				-30	12	3.119	0.0016	-2.5 to 2.5	Pass
				-20	12	0.873	0.0005	-2.5 to 2.5	Pass
				-10	12	1.745	0.0009	-2.5 to 2.5	Pass
				0	12	5.093	0.0027	-2.5 to 2.5	Pass
				10	12	3.018	0.0016	-2.5 to 2.5	Pass
				30	12	3.018	0.0016	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0015	-2.5 to 2.5	Pass
				50	12	-5.121	-0.0027	-2.5 to 2.5	Pass
256QAM	1857.5	75	0	20	10.8	-1.044	-0.0006	-2.5 to 2.5	Pass
					12	-3.190	-0.0017	-2.5 to 2.5	Pass
					13.2	-2.761	-0.0015	-2.5 to 2.5	Pass
				-30	12	-0.772	-0.0004	-2.5 to 2.5	Pass
				-20	12	-0.858	-0.0005	-2.5 to 2.5	Pass
				-10	12	-3.462	-0.0019	-2.5 to 2.5	Pass
				0	12	0.100	0.0001	-2.5 to 2.5	Pass
				10	12	-5.679	-0.0031	-2.5 to 2.5	Pass
				30	12	-3.018	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.017	-0.0011	-2.5 to 2.5	Pass
				50	12	-1.073	-0.0006	-2.5 to 2.5	Pass
	1880	75	0	20	10.8	4.163	0.0022	-2.5 to 2.5	Pass
					12	-2.818	-0.0015	-2.5 to 2.5	Pass
					13.2	2.575	0.0014	-2.5 to 2.5	Pass
				-30	12	1.316	0.0007	-2.5 to 2.5	Pass
				-20	12	0.257	0.0001	-2.5 to 2.5	Pass
				-10	12	1.202	0.0006	-2.5 to 2.5	Pass
				0	12	0.801	0.0004	-2.5 to 2.5	Pass
				10	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	12	2.475	0.0013	-2.5 to 2.5	Pass
				40	12	-0.272	-0.0001	-2.5 to 2.5	Pass



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				50	12	0.000	0.0000	-2.5 to 2.5	Pass
	1902.5	75	0	20	10.8	-4.821	-0.0025	-2.5 to 2.5	Pass
					12	-2.546	-0.0013	-2.5 to 2.5	Pass
					13.2	-2.232	-0.0012	-2.5 to 2.5	Pass
					-30	12	-1.760	-0.0009	-2.5 to 2.5
				-20	12	-2.561	-0.0013	-2.5 to 2.5	Pass
				-10	12	-3.262	-0.0017	-2.5 to 2.5	Pass
				0	12	-2.589	-0.0014	-2.5 to 2.5	Pass
				10	12	5.050	0.0027	-2.5 to 2.5	Pass
				30	12	3.848	0.0020	-2.5 to 2.5	Pass
				40	12	3.619	0.0019	-2.5 to 2.5	Pass
				50	12	0.916	0.0005	-2.5 to 2.5	Pass

1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	10.8	-0.386	-0.0002	-2.5 to 2.5	Pass
					12	1.101	0.0006	-2.5 to 2.5	Pass
					13.2	0.987	0.0005	-2.5 to 2.5	Pass
				-30	12	-4.077	-0.0022	-2.5 to 2.5	Pass
				-20	12	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	12	-3.319	-0.0018	-2.5 to 2.5	Pass
				0	12	1.030	0.0006	-2.5 to 2.5	Pass
				10	12	3.333	0.0018	-2.5 to 2.5	Pass
				30	12	1.345	0.0007	-2.5 to 2.5	Pass
				40	12	-3.762	-0.0020	-2.5 to 2.5	Pass
				50	12	-1.745	-0.0009	-2.5 to 2.5	Pass
	1880	100	0	20	10.8	-2.475	-0.0013	-2.5 to 2.5	Pass
					12	-1.588	-0.0008	-2.5 to 2.5	Pass
					13.2	-4.892	-0.0026	-2.5 to 2.5	Pass
				-30	12	-1.030	-0.0005	-2.5 to 2.5	Pass
				-20	12	-1.316	-0.0007	-2.5 to 2.5	Pass
				-10	12	-4.077	-0.0022	-2.5 to 2.5	Pass
				0	12	-1.802	-0.0010	-2.5 to 2.5	Pass
				10	12	-2.203	-0.0012	-2.5 to 2.5	Pass
				30	12	-5.178	-0.0028	-2.5 to 2.5	Pass
				40	12	-2.289	-0.0012	-2.5 to 2.5	Pass
				50	12	-0.558	-0.0003	-2.5 to 2.5	Pass
	1900	100	0	20	10.8	1.745	0.0009	-2.5 to 2.5	Pass
					12	1.545	0.0008	-2.5 to 2.5	Pass
					13.2	1.159	0.0006	-2.5 to 2.5	Pass
				-30	12	1.101	0.0006	-2.5 to 2.5	Pass
				-20	12	0.658	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	12	1.173	0.0006	-2.5 to 2.5	Pass
				10	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	12	2.875	0.0015	-2.5 to 2.5	Pass
				40	12	-0.029	0.0000	-2.5 to 2.5	Pass



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 0512-57350888 0512-57370919 www.sgs.com.cn
 0512-57350883 0512-57370910 sgs.china@sgs.com

16QAM	1860	100	0	50	12	-0.629	-0.0003	-2.5 to 2.5	Pass
				20	10.8	-5.236	-0.0028	-2.5 to 2.5	Pass
					12	-2.489	-0.0013	-2.5 to 2.5	Pass
					13.2	-2.146	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.758	0.0004	-2.5 to 2.5	Pass
				-20	12	-3.862	-0.0021	-2.5 to 2.5	Pass
				-10	12	-3.490	-0.0019	-2.5 to 2.5	Pass
				0	12	-1.373	-0.0007	-2.5 to 2.5	Pass
				10	12	-3.819	-0.0021	-2.5 to 2.5	Pass
				30	12	-3.791	-0.0020	-2.5 to 2.5	Pass
	1880	100	0	40	12	-4.091	-0.0022	-2.5 to 2.5	Pass
				50	12	-6.108	-0.0033	-2.5 to 2.5	Pass
				20	10.8	-2.446	-0.0013	-2.5 to 2.5	Pass
					12	-3.190	-0.0017	-2.5 to 2.5	Pass
					13.2	-1.330	-0.0007	-2.5 to 2.5	Pass
				-30	12	-2.875	-0.0015	-2.5 to 2.5	Pass
				-20	12	-3.877	-0.0021	-2.5 to 2.5	Pass
				-10	12	-2.518	-0.0013	-2.5 to 2.5	Pass
				0	12	-5.021	-0.0027	-2.5 to 2.5	Pass
				10	12	-5.693	-0.0030	-2.5 to 2.5	Pass
	1900	100	0	30	12	-5.393	-0.0029	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0015	-2.5 to 2.5	Pass
				50	12	-2.689	-0.0014	-2.5 to 2.5	Pass
				20	10.8	1.659	0.0009	-2.5 to 2.5	Pass
					12	2.174	0.0011	-2.5 to 2.5	Pass
					13.2	3.390	0.0018	-2.5 to 2.5	Pass
				-30	12	-3.076	-0.0016	-2.5 to 2.5	Pass
				-20	12	1.974	0.0010	-2.5 to 2.5	Pass
				-10	12	1.130	0.0006	-2.5 to 2.5	Pass
				0	12	1.388	0.0007	-2.5 to 2.5	Pass
64QAM	1860	100	0	10	12	-1.760	-0.0009	-2.5 to 2.5	Pass
				30	12	3.591	0.0019	-2.5 to 2.5	Pass
				40	12	1.130	0.0006	-2.5 to 2.5	Pass
				50	12	4.120	0.0022	-2.5 to 2.5	Pass
				20	10.8	-2.446	-0.0013	-2.5 to 2.5	Pass
					12	-1.888	-0.0010	-2.5 to 2.5	Pass
					13.2	-4.635	-0.0025	-2.5 to 2.5	Pass
				-30	12	-5.178	-0.0028	-2.5 to 2.5	Pass
				-20	12	-2.389	-0.0013	-2.5 to 2.5	Pass
				-10	12	-4.549	-0.0024	-2.5 to 2.5	Pass
	1880	100	0	0	12	-2.131	-0.0011	-2.5 to 2.5	Pass
				10	12	-0.315	-0.0002	-2.5 to 2.5	Pass
				30	12	-4.292	-0.0023	-2.5 to 2.5	Pass
				40	12	-3.161	-0.0017	-2.5 to 2.5	Pass
				50	12	-0.772	-0.0004	-2.5 to 2.5	Pass
				20	10.8	-0.658	-0.0004	-2.5 to 2.5	Pass
					12	-1.831	-0.0010	-2.5 to 2.5	Pass
					13.2	-1.559	-0.0008	-2.5 to 2.5	Pass
				-30	12	-2.761	-0.0015	-2.5 to 2.5	Pass
				-20	12	-3.018	-0.0016	-2.5 to 2.5	Pass
				-10	12	0.801	0.0004	-2.5 to 2.5	Pass
				0	12	-4.206	-0.0022	-2.5 to 2.5	Pass
				10	12	-0.257	-0.0001	-2.5 to 2.5	Pass
				30	12	4.163	0.0022	-2.5 to 2.5	Pass



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056-51215735088 056-51215737010 www.sgs.com cn

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				40	12	-2.260	-0.0012	-2.5 to 2.5	Pass
				50	12	-1.745	-0.0009	-2.5 to 2.5	Pass
	1900	100	0	20	10.8	-0.801	-0.0004	-2.5 to 2.5	Pass
					12	3.076	0.0016	-2.5 to 2.5	Pass
					13.2	-1.202	-0.0006	-2.5 to 2.5	Pass
				-30	12	2.933	0.0015	-2.5 to 2.5	Pass
				-20	12	5.565	0.0029	-2.5 to 2.5	Pass
				-10	12	2.804	0.0015	-2.5 to 2.5	Pass
				0	12	3.033	0.0016	-2.5 to 2.5	Pass
				10	12	4.721	0.0025	-2.5 to 2.5	Pass
				30	12	3.462	0.0018	-2.5 to 2.5	Pass
				40	12	-0.415	-0.0002	-2.5 to 2.5	Pass
50	12	3.448	0.0018	-2.5 to 2.5	Pass				
256QAM	1860	100	0	20	10.8	-3.219	-0.0017	-2.5 to 2.5	Pass
					12	-4.349	-0.0023	-2.5 to 2.5	Pass
					13.2	-2.947	-0.0016	-2.5 to 2.5	Pass
				-30	12	-4.992	-0.0027	-2.5 to 2.5	Pass
				-20	12	-5.336	-0.0029	-2.5 to 2.5	Pass
				-10	12	-4.148	-0.0022	-2.5 to 2.5	Pass
				0	12	0.043	0.0000	-2.5 to 2.5	Pass
				10	12	1.731	0.0009	-2.5 to 2.5	Pass
				30	12	2.403	0.0013	-2.5 to 2.5	Pass
				40	12	5.822	0.0031	-2.5 to 2.5	Pass
	50	12	5.736	0.0031	-2.5 to 2.5	Pass			
	1880	100	0	20	10.8	1.202	0.0006	-2.5 to 2.5	Pass
					12	0.730	0.0004	-2.5 to 2.5	Pass
					13.2	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	12	1.960	0.0010	-2.5 to 2.5	Pass
				-20	12	-4.764	-0.0025	-2.5 to 2.5	Pass
				-10	12	-0.730	-0.0004	-2.5 to 2.5	Pass
				0	12	-1.717	-0.0009	-2.5 to 2.5	Pass
				10	12	-1.016	-0.0005	-2.5 to 2.5	Pass
				30	12	-3.548	-0.0019	-2.5 to 2.5	Pass
				40	12	-4.220	-0.0022	-2.5 to 2.5	Pass
	50	12	-1.616	-0.0009	-2.5 to 2.5	Pass			
	1900	100	0	20	10.8	5.021	0.0026	-2.5 to 2.5	Pass
					12	1.431	0.0008	-2.5 to 2.5	Pass
					13.2	4.520	0.0024	-2.5 to 2.5	Pass
				-30	12	4.420	0.0023	-2.5 to 2.5	Pass
				-20	12	-0.329	-0.0002	-2.5 to 2.5	Pass
				-10	12	4.220	0.0022	-2.5 to 2.5	Pass
				0	12	2.260	0.0012	-2.5 to 2.5	Pass
				10	12	4.764	0.0025	-2.5 to 2.5	Pass
				30	12	5.264	0.0028	-2.5 to 2.5	Pass
				40	12	1.044	0.0005	-2.5 to 2.5	Pass
50	12	5.794	0.0030	-2.5 to 2.5	Pass				



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86-5125735688 86-5125737011 www.sgsigroup.com.cn
86-5125735688 86-5125737011 sgs.china@sgs.com

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 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	10.8	2.646	0.0015	-2.5 to 2.5	Pass
					12	1.760	0.0010	-2.5 to 2.5	Pass
					13.2	-0.143	-0.0001	-2.5 to 2.5	Pass
				-30	12	2.947	0.0017	-2.5 to 2.5	Pass
				-20	12	5.207	0.0030	-2.5 to 2.5	Pass
				-10	12	2.317	0.0014	-2.5 to 2.5	Pass
				0	12	8.354	0.0049	-2.5 to 2.5	Pass
				10	12	2.918	0.0017	-2.5 to 2.5	Pass
				30	12	1.445	0.0008	-2.5 to 2.5	Pass
				40	12	2.046	0.0012	-2.5 to 2.5	Pass
				50	12	2.275	0.0013	-2.5 to 2.5	Pass
	1732.5	6	0	20	10.8	-4.649	-0.0027	-2.5 to 2.5	Pass
					12	-1.059	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.202	-0.0007	-2.5 to 2.5	Pass
				-30	12	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	12	-3.119	-0.0018	-2.5 to 2.5	Pass
				-10	12	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	12	0.143	0.0001	-2.5 to 2.5	Pass
				10	12	2.217	0.0013	-2.5 to 2.5	Pass
				30	12	1.988	0.0011	-2.5 to 2.5	Pass
				40	12	1.202	0.0007	-2.5 to 2.5	Pass
				50	12	5.894	0.0034	-2.5 to 2.5	Pass
	1754.3	6	0	20	10.8	4.692	0.0027	-2.5 to 2.5	Pass
					12	2.933	0.0017	-2.5 to 2.5	Pass
					13.2	0.644	0.0004	-2.5 to 2.5	Pass
				-30	12	2.232	0.0013	-2.5 to 2.5	Pass
				-20	12	-3.219	-0.0018	-2.5 to 2.5	Pass
				-10	12	1.359	0.0008	-2.5 to 2.5	Pass
				0	12	0.472	0.0003	-2.5 to 2.5	Pass
				10	12	1.144	0.0007	-2.5 to 2.5	Pass
				30	12	3.333	0.0019	-2.5 to 2.5	Pass
				40	12	-2.017	-0.0011	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	10.8	-0.629	-0.0004	-2.5 to 2.5	Pass
					12	-1.059	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.173	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.687	0.0004	-2.5 to 2.5	Pass
				-20	12	1.101	0.0006	-2.5 to 2.5	Pass
				-10	12	10.86	0.0019	-2.5 to 2.5	Pass
				0	12	1.502	0.0009	-2.5 to 2.5	Pass
				10	12	2.117	0.0012	-2.5 to 2.5	Pass
				30	12	4.735	0.0028	-2.5 to 2.5	Pass
				40	12	0.844	0.0005	-2.5 to 2.5	Pass



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64QAM	1732.5	6	0	50	12	1.059	0.0006	-2.5 to 2.5	Pass
				20	10.8	2.317	0.0013	-2.5 to 2.5	Pass
					12	3.633	0.0021	-2.5 to 2.5	Pass
					13.2	-2.890	-0.0017	-2.5 to 2.5	Pass
				-30	12	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.632	0.0015	-2.5 to 2.5	Pass
				-10	12	3.390	0.0020	-2.5 to 2.5	Pass
				0	12	-4.420	-0.0026	-2.5 to 2.5	Pass
				10	12	-2.675	-0.0015	-2.5 to 2.5	Pass
				30	12	-2.789	-0.0016	-2.5 to 2.5	Pass
	1754.3	6	0	40	12	-1.173	-0.0007	-2.5 to 2.5	Pass
				50	12	0.916	0.0005	-2.5 to 2.5	Pass
				20	10.8	3.533	0.0020	-2.5 to 2.5	Pass
					12	7.181	0.0041	-2.5 to 2.5	Pass
					13.2	2.346	0.0013	-2.5 to 2.5	Pass
				-30	12	3.834	0.0022	-2.5 to 2.5	Pass
				-20	12	-1.874	-0.0011	-2.5 to 2.5	Pass
				-10	12	3.119	0.0018	-2.5 to 2.5	Pass
				0	12	3.319	0.0019	-2.5 to 2.5	Pass
				10	12	-10.86	-0.0019	-2.5 to 2.5	Pass
64QAM	1710.7	6	0	30	12	-2.131	-0.0012	-2.5 to 2.5	Pass
				40	12	2.475	0.0014	-2.5 to 2.5	Pass
				50	12	0.558	0.0003	-2.5 to 2.5	Pass
				20	10.8	7.224	0.0042	-2.5 to 2.5	Pass
					12	-1.802	-0.0011	-2.5 to 2.5	Pass
					13.2	2.146	0.0013	-2.5 to 2.5	Pass
				-30	12	4.678	0.0027	-2.5 to 2.5	Pass
				-20	12	2.961	0.0017	-2.5 to 2.5	Pass
				-10	12	0.100	0.0001	-2.5 to 2.5	Pass
				0	12	9.856	0.0058	-2.5 to 2.5	Pass
	1732.5	6	0	10	12	5.450	0.0032	-2.5 to 2.5	Pass
				30	12	5.422	0.0032	-2.5 to 2.5	Pass
				40	12	0.873	0.0005	-2.5 to 2.5	Pass
				50	12	1.717	0.0010	-2.5 to 2.5	Pass
				20	10.8	-0.415	-0.0002	-2.5 to 2.5	Pass
					12	1.473	0.0009	-2.5 to 2.5	Pass
					13.2	-0.801	-0.0005	-2.5 to 2.5	Pass
				-30	12	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	12	-5.822	-0.0034	-2.5 to 2.5	Pass
				-10	12	-1.588	-0.0009	-2.5 to 2.5	Pass
64QAM	1754.3	6	0	0	12	-8.039	-0.0046	-2.5 to 2.5	Pass
				10	12	-4.649	-0.0027	-2.5 to 2.5	Pass
				30	12	-3.290	-0.0019	-2.5 to 2.5	Pass
				40	12	1.345	0.0008	-2.5 to 2.5	Pass
				50	12	-2.861	-0.0017	-2.5 to 2.5	Pass
				20	10.8	2.933	0.0017	-2.5 to 2.5	Pass
					12	2.017	0.0011	-2.5 to 2.5	Pass
					13.2	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				-20	12	-0.143	-0.0001	-2.5 to 2.5	Pass
64QAM				-10	12	0.129	0.0001	-2.5 to 2.5	Pass
				0	12	-2.017	-0.0011	-2.5 to 2.5	Pass
				10	12	-1.831	-0.0010	-2.5 to 2.5	Pass
				30	12	-1.388	-0.0008	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路18号 邮编 215300

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0512-515735088 0512-515737010 sgs.china@sgs.com

				40	12	-1.173	-0.0007	-2.5 to 2.5	Pass
				50	12	-1.059	-0.0006	-2.5 to 2.5	Pass
256QAM	1710.7	6	0	20	10.8	4.406	0.0026	-2.5 to 2.5	Pass
					12	4.306	0.0025	-2.5 to 2.5	Pass
					13.2	3.748	0.0022	-2.5 to 2.5	Pass
				-30	12	4.005	0.0023	-2.5 to 2.5	Pass
				-20	12	4.034	0.0024	-2.5 to 2.5	Pass
				-10	12	0.730	0.0004	-2.5 to 2.5	Pass
				0	12	2.947	0.0017	-2.5 to 2.5	Pass
				10	12	3.490	0.0020	-2.5 to 2.5	Pass
				30	12	1.216	0.0007	-2.5 to 2.5	Pass
				40	12	3.591	0.0021	-2.5 to 2.5	Pass
	50	12	-0.858	-0.0005	-2.5 to 2.5	Pass			
	1732.5	6	0	20	10.8	-5.479	-0.0032	-2.5 to 2.5	Pass
					12	0.229	0.0001	-2.5 to 2.5	Pass
					13.2	-3.204	-0.0018	-2.5 to 2.5	Pass
				-30	12	0.844	0.0005	-2.5 to 2.5	Pass
				-20	12	-0.873	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.315	-0.0002	-2.5 to 2.5	Pass
				0	12	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	12	0.186	0.0001	-2.5 to 2.5	Pass
				30	12	0.129	0.0001	-2.5 to 2.5	Pass
				40	12	-2.890	-0.0017	-2.5 to 2.5	Pass
	50	12	-2.203	-0.0013	-2.5 to 2.5	Pass			
	1754.3	6	0	20	10.8	-2.232	-0.0013	-2.5 to 2.5	Pass
					12	0.515	0.0003	-2.5 to 2.5	Pass
					13.2	2.146	0.0012	-2.5 to 2.5	Pass
				-30	12	2.217	0.0013	-2.5 to 2.5	Pass
				-20	12	13.25	0.0025	-2.5 to 2.5	Pass
-10				12	-0.186	-0.0001	-2.5 to 2.5	Pass	
0				12	2.189	0.0012	-2.5 to 2.5	Pass	
10				12	0.515	0.0003	-2.5 to 2.5	Pass	
30				12	-0.415	-0.0002	-2.5 to 2.5	Pass	
40				12	-4.249	-0.0024	-2.5 to 2.5	Pass	
50	12	0.401	0.0002	-2.5 to 2.5	Pass				

2.2 B4 3MHz

2.2.1 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	10.8	5.236	0.0031	-2.5 to 2.5	Pass
					12	0.186	0.0001	-2.5 to 2.5	Pass
					13.2	-2.460	-0.0014	-2.5 to 2.5	Pass
				-30	12	-0.572	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.847	0.0017	-2.5 to 2.5	Pass
				-10	12	-2.875	-0.0017	-2.5 to 2.5	Pass
				0	12	0.544	0.0003	-2.5 to 2.5	Pass
				10	12	-3.076	-0.0018	-2.5 to 2.5	Pass
				30	12	-2.160	-0.0013	-2.5 to 2.5	Pass



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 886-51257356888 886-51257370610 ags.china@ags.com

	1732.5	15	0	40	12	-0.815	-0.0005	-2.5 to 2.5	Pass
				50	12	-0.143	-0.0001	-2.5 to 2.5	Pass
				20	10.8	-1.431	-0.0008	-2.5 to 2.5	Pass
					12	-2.875	-0.0017	-2.5 to 2.5	Pass
					13.2	2.375	0.0014	-2.5 to 2.5	Pass
				-30	12	-0.873	-0.0005	-2.5 to 2.5	Pass
				-20	12	1.030	0.0006	-2.5 to 2.5	Pass
				-10	12	3.791	0.0022	-2.5 to 2.5	Pass
				0	12	0.372	0.0002	-2.5 to 2.5	Pass
				10	12	-2.403	-0.0014	-2.5 to 2.5	Pass
	1753.5	15	0	30	12	3.533	0.0020	-2.5 to 2.5	Pass
				40	12	1.645	0.0009	-2.5 to 2.5	Pass
				50	12	5.264	0.0030	-2.5 to 2.5	Pass
				20	10.8	2.174	0.0012	-2.5 to 2.5	Pass
					12	0.343	0.0002	-2.5 to 2.5	Pass
					13.2	-3.462	-0.0020	-2.5 to 2.5	Pass
				-30	12	-1.631	-0.0009	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	12	-2.575	-0.0015	-2.5 to 2.5	Pass
				0	12	1.245	0.0007	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	10.8	-0.858	-0.0005	-2.5 to 2.5	Pass
					12	-1.717	-0.0010	-2.5 to 2.5	Pass
					13.2	1.187	0.0007	-2.5 to 2.5	Pass
				-30	12	-3.576	-0.0021	-2.5 to 2.5	Pass
				-20	12	-1.988	-0.0012	-2.5 to 2.5	Pass
				-10	12	1.731	0.0010	-2.5 to 2.5	Pass
				0	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				10	12	-2.246	-0.0013	-2.5 to 2.5	Pass
				30	12	0.057	0.0000	-2.5 to 2.5	Pass
				40	12	-1.459	-0.0009	-2.5 to 2.5	Pass
	1732.5	15	0	50	12	-2.303	-0.0013	-2.5 to 2.5	Pass
				20	10.8	-1.230	-0.0007	-2.5 to 2.5	Pass
					12	-0.343	-0.0002	-2.5 to 2.5	Pass
					13.2	1.831	0.0011	-2.5 to 2.5	Pass
				-30	12	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	12	-1.259	-0.0007	-2.5 to 2.5	Pass
				-10	12	-3.562	-0.0021	-2.5 to 2.5	Pass
				0	12	-3.734	-0.0022	-2.5 to 2.5	Pass
				10	12	0.000	0.0000	-2.5 to 2.5	Pass
				30	12	-2.146	-0.0012	-2.5 to 2.5	Pass
	1753.5	15	0	40	12	-1.359	-0.0008	-2.5 to 2.5	Pass
				50	12	-2.446	-0.0014	-2.5 to 2.5	Pass
				20	10.8	0.429	0.0002	-2.5 to 2.5	Pass
					12	2.403	0.0014	-2.5 to 2.5	Pass
					13.2	2.060	0.0012	-2.5 to 2.5	Pass
				-30	12	1.917	0.0011	-2.5 to 2.5	Pass
				-20	12	-4.263	-0.0024	-2.5 to 2.5	Pass
				-10	12	0.858	0.0005	-2.5 to 2.5	Pass
				0	12	2.332	0.0013	-2.5 to 2.5	Pass
				10	12	-3.018	-0.0017	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

056-51215735088 056-51215737010 www.sgs.com.cn

056-51215735088 056-51215737010 sgs.china@sgs.com

				30	12	4.449	0.0025	-2.5 to 2.5	Pass
				40	12	5.965	0.0034	-2.5 to 2.5	Pass
				50	12	-1.845	-0.0011	-2.5 to 2.5	Pass
64QAM	1711.5	15	0	20	10.8	0.629	0.0004	-2.5 to 2.5	Pass
					12	-1.016	-0.0006	-2.5 to 2.5	Pass
					13.2	1.316	0.0008	-2.5 to 2.5	Pass
				-30	12	-4.263	-0.0025	-2.5 to 2.5	Pass
				-20	12	-0.300	-0.0002	-2.5 to 2.5	Pass
				-10	12	0.286	0.0002	-2.5 to 2.5	Pass
				0	12	-2.789	-0.0016	-2.5 to 2.5	Pass
				10	12	4.106	0.0024	-2.5 to 2.5	Pass
				30	12	4.992	0.0029	-2.5 to 2.5	Pass
				40	12	-2.403	-0.0014	-2.5 to 2.5	Pass
				50	12	-0.515	-0.0003	-2.5 to 2.5	Pass
	1732.5	15	0	20	10.8	0.858	0.0005	-2.5 to 2.5	Pass
					12	1.702	0.0010	-2.5 to 2.5	Pass
					13.2	-3.948	-0.0023	-2.5 to 2.5	Pass
				-30	12	-2.360	-0.0014	-2.5 to 2.5	Pass
				-20	12	-2.632	-0.0015	-2.5 to 2.5	Pass
				-10	12	-1.187	-0.0007	-2.5 to 2.5	Pass
				0	12	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	12	1.488	0.0009	-2.5 to 2.5	Pass
				30	12	-1.388	-0.0008	-2.5 to 2.5	Pass
				40	12	2.260	0.0013	-2.5 to 2.5	Pass
				50	12	1.359	0.0008	-2.5 to 2.5	Pass
	1753.5	15	0	20	10.8	-0.558	-0.0003	-2.5 to 2.5	Pass
					12	-2.260	-0.0013	-2.5 to 2.5	Pass
					13.2	-0.730	-0.0004	-2.5 to 2.5	Pass
				-30	12	2.604	0.0015	-2.5 to 2.5	Pass
				-20	12	-2.060	-0.0012	-2.5 to 2.5	Pass
				-10	12	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	12	-3.934	-0.0022	-2.5 to 2.5	Pass
				10	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	12	0.129	0.0001	-2.5 to 2.5	Pass
				40	12	-2.747	-0.0016	-2.5 to 2.5	Pass
256QAM	1711.5	15	0	20	10.8	-1.116	-0.0007	-2.5 to 2.5	Pass
					12	-0.730	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.587	-0.0003	-2.5 to 2.5	Pass
				-30	12	0.143	0.0001	-2.5 to 2.5	Pass
				-20	12	-6.294	-0.0037	-2.5 to 2.5	Pass
				-10	12	0.358	0.0002	-2.5 to 2.5	Pass
				0	12	2.275	0.0013	-2.5 to 2.5	Pass
				10	12	-2.232	-0.0013	-2.5 to 2.5	Pass
				30	12	-3.748	-0.0022	-2.5 to 2.5	Pass
				40	12	0.443	0.0003	-2.5 to 2.5	Pass
				50	12	-2.761	-0.0016	-2.5 to 2.5	Pass
	1732.5	15	0	20	10.8	-1.731	-0.0010	-2.5 to 2.5	Pass
					12	-0.515	-0.0003	-2.5 to 2.5	Pass
					13.2	3.362	0.0019	-2.5 to 2.5	Pass
				-30	12	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	12	-5.364	-0.0031	-2.5 to 2.5	Pass
				-10	12	-1.101	-0.0006	-2.5 to 2.5	Pass
				0	12	-0.501	-0.0003	-2.5 to 2.5	Pass



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 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300
 0085-51215735088 0085-51215737010 www.sgs.com.cn
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				10	12	4.249	0.0025	-2.5 to 2.5	Pass
				30	12	-2.089	-0.0012	-2.5 to 2.5	Pass
				40	12	4.606	0.0027	-2.5 to 2.5	Pass
				50	12	0.772	0.0004	-2.5 to 2.5	Pass
	1753.5	15	0	20	10.8	-2.017	-0.0012	-2.5 to 2.5	Pass
					12	0.515	0.0003	-2.5 to 2.5	Pass
					13.2	0.372	0.0002	-2.5 to 2.5	Pass
				-30	12	0.000	0.0000	-2.5 to 2.5	Pass
				-20	12	0.358	0.0002	-2.5 to 2.5	Pass
				-10	12	1.974	0.0011	-2.5 to 2.5	Pass
				0	12	2.160	0.0012	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	-3.662	-0.0021	-2.5 to 2.5	Pass
				40	12	13.25	0.0025	-2.5 to 2.5	Pass
50	12	-3.362	-0.0019	-2.5 to 2.5	Pass				

2.3 B4 5MHz

2.3.1 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	10.8	-0.987	-0.0006	-2.5 to 2.5	Pass
					12	5.894	0.0034	-2.5 to 2.5	Pass
					13.2	2.804	0.0016	-2.5 to 2.5	Pass
				-30	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				-20	12	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	12	3.362	0.0020	-2.5 to 2.5	Pass
				0	12	-1.359	-0.0008	-2.5 to 2.5	Pass
				10	12	4.020	0.0023	-2.5 to 2.5	Pass
				30	12	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	12	0.257	0.0002	-2.5 to 2.5	Pass
	50	12	1.559	0.0009	-2.5 to 2.5	Pass			
	1732.5	25	0	20	10.8	3.576	0.0021	-2.5 to 2.5	Pass
					12	0.687	0.0004	-2.5 to 2.5	Pass
					13.2	2.832	0.0016	-2.5 to 2.5	Pass
				-30	12	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	12	5.221	0.0030	-2.5 to 2.5	Pass
				-10	12	1.044	0.0006	-2.5 to 2.5	Pass
				0	12	3.891	0.0022	-2.5 to 2.5	Pass
				10	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	12	2.847	0.0016	-2.5 to 2.5	Pass
				40	12	0.758	0.0004	-2.5 to 2.5	Pass
	50	12	0.887	0.0005	-2.5 to 2.5	Pass			
	1752.5	25	0	20	10.8	-0.587	-0.0003	-2.5 to 2.5	Pass
					12	-2.861	-0.0016	-2.5 to 2.5	Pass
					13.2	-2.847	-0.0016	-2.5 to 2.5	Pass
				-30	12	-1.159	-0.0007	-2.5 to 2.5	Pass
				-20	12	-5.522	-0.0032	-2.5 to 2.5	Pass
				-10	12	-6.022	-0.0034	-2.5 to 2.5	Pass
				0	12	0.143	0.0001	-2.5 to 2.5	Pass



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				10	12	-0.629	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				40	12	-4.520	-0.0026	-2.5 to 2.5	Pass
				50	12	-5.622	-0.0032	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	10.8	0.744	0.0004	-2.5 to 2.5	Pass
					12	-1.144	-0.0007	-2.5 to 2.5	Pass
					13.2	0.458	0.0003	-2.5 to 2.5	Pass
				-30	12	0.200	0.0001	-2.5 to 2.5	Pass
				-20	12	2.875	0.0017	-2.5 to 2.5	Pass
				-10	12	0.429	0.0003	-2.5 to 2.5	Pass
				0	12	-1.116	-0.0007	-2.5 to 2.5	Pass
				10	12	0.515	0.0003	-2.5 to 2.5	Pass
				30	12	-2.160	-0.0013	-2.5 to 2.5	Pass
				40	12	-0.830	-0.0005	-2.5 to 2.5	Pass
				50	12	-1.402	-0.0008	-2.5 to 2.5	Pass
				1732.5	25	0	20	10.8	0.057
	12	1.674	0.0010					-2.5 to 2.5	Pass
	13.2	0.787	0.0005					-2.5 to 2.5	Pass
	-30	12	2.260				0.0013	-2.5 to 2.5	Pass
	-20	12	1.831				0.0011	-2.5 to 2.5	Pass
	-10	12	1.717				0.0010	-2.5 to 2.5	Pass
	0	12	0.572				0.0003	-2.5 to 2.5	Pass
	10	12	-1.845				-0.0011	-2.5 to 2.5	Pass
	30	12	-1.016				-0.0006	-2.5 to 2.5	Pass
	40	12	-0.386				-0.0002	-2.5 to 2.5	Pass
	50	12	1.216				0.0007	-2.5 to 2.5	Pass
	1752.5	25	0				20	10.8	-1.187
				12	0.172	0.0001		-2.5 to 2.5	Pass
				13.2	-2.418	-0.0014		-2.5 to 2.5	Pass
				-30	12	-3.648	-0.0021	-2.5 to 2.5	Pass
				-20	12	-3.233	-0.0018	-2.5 to 2.5	Pass
				-10	12	-0.830	-0.0005	-2.5 to 2.5	Pass
0				12	-3.390	-0.0019	-2.5 to 2.5	Pass	
10				12	1.187	0.0007	-2.5 to 2.5	Pass	
30				12	3.505	0.0020	-2.5 to 2.5	Pass	
40				12	3.033	0.0017	-2.5 to 2.5	Pass	
50				12	4.807	0.0027	-2.5 to 2.5	Pass	
64QAM				1712.5	25	0	20	10.8	0.615
	12	-1.731	-0.0010					-2.5 to 2.5	Pass
	13.2	2.432	0.0014					-2.5 to 2.5	Pass
	-30	12	0.472				0.0003	-2.5 to 2.5	Pass
	-20	12	0.730				0.0004	-2.5 to 2.5	Pass
	-10	12	3.047				0.0018	-2.5 to 2.5	Pass
	0	12	3.405				0.0020	-2.5 to 2.5	Pass
	10	12	0.587				0.0003	-2.5 to 2.5	Pass
	30	12	2.031				0.0012	-2.5 to 2.5	Pass
	40	12	-2.017				-0.0012	-2.5 to 2.5	Pass
	50	12	1.101				0.0006	-2.5 to 2.5	Pass
	1732.5	25	0				20	10.8	3.533
				12	0.029	0.0000		-2.5 to 2.5	Pass
				13.2	-2.861	-0.0017		-2.5 to 2.5	Pass
				-30	12	1.144	0.0007	-2.5 to 2.5	Pass
	-20	12	1.373	0.0008	-2.5 to 2.5	Pass			
-10	12	-3.347	-0.0019	-2.5 to 2.5	Pass				



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				0	12	-3.662	-0.0021	-2.5 to 2.5	Pass
				10	12	-1.760	-0.0010	-2.5 to 2.5	Pass
				30	12	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	12	-2.904	-0.0017	-2.5 to 2.5	Pass
				50	12	-3.362	-0.0019	-2.5 to 2.5	Pass
	1752.5	25	0	20	10.8	-0.286	-0.0002	-2.5 to 2.5	Pass
					12	1.431	0.0008	-2.5 to 2.5	Pass
					13.2	-0.343	-0.0002	-2.5 to 2.5	Pass
				-30	12	3.405	0.0019	-2.5 to 2.5	Pass
				-20	12	4.363	0.0025	-2.5 to 2.5	Pass
				-10	12	0.701	0.0004	-2.5 to 2.5	Pass
				0	12	4.292	0.0024	-2.5 to 2.5	Pass
				10	12	0.000	0.0000	-2.5 to 2.5	Pass
				30	12	2.518	0.0014	-2.5 to 2.5	Pass
				40	12	4.792	0.0027	-2.5 to 2.5	Pass
				50	12	0.129	0.0001	-2.5 to 2.5	Pass
	1712.5	25	0	20	10.8	-0.744	-0.0004	-2.5 to 2.5	Pass
					12	-1.230	-0.0007	-2.5 to 2.5	Pass
					13.2	4.292	0.0025	-2.5 to 2.5	Pass
				-30	12	1.402	0.0008	-2.5 to 2.5	Pass
				-20	12	4.592	0.0027	-2.5 to 2.5	Pass
				-10	12	-0.072	0.0000	-2.5 to 2.5	Pass
				0	12	2.532	0.0015	-2.5 to 2.5	Pass
				10	12	0.358	0.0002	-2.5 to 2.5	Pass
				30	12	-1.044	-0.0006	-2.5 to 2.5	Pass
				40	12	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	12	-0.157	-0.0001	-2.5 to 2.5	Pass
	1732.5	25	0	20	10.8	0.601	0.0003	-2.5 to 2.5	Pass
					12	2.532	0.0015	-2.5 to 2.5	Pass
					13.2	-2.289	-0.0013	-2.5 to 2.5	Pass
				-30	12	-3.920	-0.0023	-2.5 to 2.5	Pass
				-20	12	1.817	0.0010	-2.5 to 2.5	Pass
				-10	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				10	12	1.216	0.0007	-2.5 to 2.5	Pass
				30	12	-4.148	-0.0024	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	12	-2.561	-0.0015	-2.5 to 2.5	Pass
256QAM	1752.5	25	0	20	10.8	0.744	0.0004	-2.5 to 2.5	Pass
					12	3.047	0.0017	-2.5 to 2.5	Pass
					13.2	1.831	0.0010	-2.5 to 2.5	Pass
				-30	12	0.916	0.0005	-2.5 to 2.5	Pass
				-20	12	2.003	0.0011	-2.5 to 2.5	Pass
				-10	12	0.930	0.0005	-2.5 to 2.5	Pass
				0	12	6.638	0.0038	-2.5 to 2.5	Pass
				10	12	3.576	0.0020	-2.5 to 2.5	Pass
				30	12	5.121	0.0029	-2.5 to 2.5	Pass
				40	12	2.031	0.0012	-2.5 to 2.5	Pass
				50	12	3.018	0.0017	-2.5 to 2.5	Pass

2.4 B4_10MHz



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 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370911 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370911 sgs.china@sgs.com

Test Report Form Version: Rev01

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2.4.1 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	10.8	1.559	0.0009	-2.5 to 2.5	Pass
					12	-1.373	-0.0008	-2.5 to 2.5	Pass
					13.2	1.974	0.0012	-2.5 to 2.5	Pass
				-30	12	0.801	0.0005	-2.5 to 2.5	Pass
				-20	12	1.860	0.0011	-2.5 to 2.5	Pass
				-10	12	1.802	0.0011	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	12	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	12	1.245	0.0007	-2.5 to 2.5	Pass
				40	12	3.319	0.0019	-2.5 to 2.5	Pass
				50	12	4.950	0.0029	-2.5 to 2.5	Pass
	1732.5	50	0	20	10.8	-1.774	-0.0010	-2.5 to 2.5	Pass
					12	0.129	0.0001	-2.5 to 2.5	Pass
					13.2	1.516	0.0009	-2.5 to 2.5	Pass
				-30	12	1.230	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.615	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.644	-0.0004	-2.5 to 2.5	Pass
				0	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				10	12	2.875	0.0017	-2.5 to 2.5	Pass
				30	12	-4.048	-0.0023	-2.5 to 2.5	Pass
				40	12	0.858	0.0005	-2.5 to 2.5	Pass
				50	12	-0.772	-0.0004	-2.5 to 2.5	Pass
	1750	50	0	20	10.8	1.044	0.0006	-2.5 to 2.5	Pass
					12	2.432	0.0014	-2.5 to 2.5	Pass
					13.2	3.147	0.0018	-2.5 to 2.5	Pass
				-30	12	0.958	0.0005	-2.5 to 2.5	Pass
				-20	12	2.146	0.0012	-2.5 to 2.5	Pass
				-10	12	6.495	0.0037	-2.5 to 2.5	Pass
				0	12	1.588	0.0009	-2.5 to 2.5	Pass
				10	12	3.777	0.0022	-2.5 to 2.5	Pass
				30	12	1.245	0.0007	-2.5 to 2.5	Pass
				40	12	4.578	0.0026	-2.5 to 2.5	Pass
				50	12	3.591	0.0021	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	10.8	1.502	0.0009	-2.5 to 2.5	Pass
					12	-1.631	-0.0010	-2.5 to 2.5	Pass
					13.2	2.503	0.0015	-2.5 to 2.5	Pass
				-30	12	1.631	0.0010	-2.5 to 2.5	Pass
				-20	12	0.715	0.0004	-2.5 to 2.5	Pass
				-10	12	1.173	0.0007	-2.5 to 2.5	Pass
				0	12	4.721	0.0028	-2.5 to 2.5	Pass
				10	12	-0.758	-0.0004	-2.5 to 2.5	Pass
				30	12	2.475	0.0014	-2.5 to 2.5	Pass
				40	12	-1.674	-0.0010	-2.5 to 2.5	Pass
				50	12	1.230	0.0007	-2.5 to 2.5	Pass
	1732.5	50	0	20	10.8	1.402	0.0008	-2.5 to 2.5	Pass
					12	0.873	0.0005	-2.5 to 2.5	Pass
					13.2	1.631	0.0009	-2.5 to 2.5	Pass
				-30	12	-0.701	-0.0004	-2.5 to 2.5	Pass
				-20	12	2.117	0.0012	-2.5 to 2.5	Pass



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No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

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				-10	12	-0.300	-0.0002	-2.5 to 2.5	Pass				
				0	12	1.001	0.0006	-2.5 to 2.5	Pass				
				10	12	0.086	0.0000	-2.5 to 2.5	Pass				
				30	12	1.874	0.0011	-2.5 to 2.5	Pass				
				40	12	2.532	0.0015	-2.5 to 2.5	Pass				
				50	12	1.330	0.0008	-2.5 to 2.5	Pass				
	1750	50	0	20	10.8	6.523	0.0037	-2.5 to 2.5	Pass				
					12	6.108	0.0035	-2.5 to 2.5	Pass				
					13.2	5.865	0.0034	-2.5 to 2.5	Pass				
				-30	12	4.506	0.0026	-2.5 to 2.5	Pass				
				-20	12	1.359	0.0008	-2.5 to 2.5	Pass				
				-10	12	6.123	0.0035	-2.5 to 2.5	Pass				
				0	12	3.219	0.0018	-2.5 to 2.5	Pass				
				10	12	4.034	0.0023	-2.5 to 2.5	Pass				
				30	12	3.119	0.0018	-2.5 to 2.5	Pass				
				40	12	3.076	0.0018	-2.5 to 2.5	Pass				
				50	12	7.553	0.0043	-2.5 to 2.5	Pass				
				64QAM	1715	50	0	20	10.8	0.043	0.0000	-2.5 to 2.5	Pass
									12	-1.273	-0.0007	-2.5 to 2.5	Pass
13.2	-0.143	-0.0001	-2.5 to 2.5						Pass				
-30	12	4.034	0.0024					-2.5 to 2.5	Pass				
-20	12	3.605	0.0021					-2.5 to 2.5	Pass				
-10	12	0.401	0.0002					-2.5 to 2.5	Pass				
0	12	3.362	0.0020					-2.5 to 2.5	Pass				
10	12	3.691	0.0022					-2.5 to 2.5	Pass				
30	12	3.777	0.0022					-2.5 to 2.5	Pass				
40	12	-0.501	-0.0003					-2.5 to 2.5	Pass				
50	12	2.089	0.0012		-2.5 to 2.5	Pass							
1732.5	50	0	20		10.8	-0.100	-0.0001	-2.5 to 2.5	Pass				
					12	-0.114	-0.0001	-2.5 to 2.5	Pass				
					13.2	1.173	0.0007	-2.5 to 2.5	Pass				
			-30		12	-1.860	-0.0011	-2.5 to 2.5	Pass				
			-20		12	0.687	0.0004	-2.5 to 2.5	Pass				
			-10		12	1.159	0.0007	-2.5 to 2.5	Pass				
			0		12	0.114	0.0001	-2.5 to 2.5	Pass				
			10		12	3.862	0.0022	-2.5 to 2.5	Pass				
			30		12	-0.558	-0.0003	-2.5 to 2.5	Pass				
			40		12	2.761	0.0016	-2.5 to 2.5	Pass				
50	12	-2.704	-0.0016		-2.5 to 2.5	Pass							
1750	50	0	20		10.8	3.633	0.0021	-2.5 to 2.5	Pass				
					12	3.347	0.0019	-2.5 to 2.5	Pass				
					13.2	6.795	0.0039	-2.5 to 2.5	Pass				
			-30		12	4.735	0.0027	-2.5 to 2.5	Pass				
			-20		12	5.064	0.0029	-2.5 to 2.5	Pass				
			-10		12	7.353	0.0042	-2.5 to 2.5	Pass				
			0		12	7.195	0.0041	-2.5 to 2.5	Pass				
			10		12	5.407	0.0031	-2.5 to 2.5	Pass				
			30		12	7.367	0.0042	-2.5 to 2.5	Pass				
			40		12	7.210	0.0041	-2.5 to 2.5	Pass				
			50	12	7.138	0.0041	-2.5 to 2.5	Pass					
			256QAM	1715	50	0	20	10.8	2.403	0.0014	-2.5 to 2.5	Pass	
12	4.563	0.0027						-2.5 to 2.5	Pass				
13.2	3.161	0.0018						-2.5 to 2.5	Pass				
-30	12	2.518					0.0015	-2.5 to 2.5	Pass				



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				-20	12	2.017	0.0012	-2.5 to 2.5	Pass
				-10	12	1.116	0.0007	-2.5 to 2.5	Pass
				0	12	3.576	0.0021	-2.5 to 2.5	Pass
				10	12	3.076	0.0018	-2.5 to 2.5	Pass
				30	12	1.688	0.0010	-2.5 to 2.5	Pass
				40	12	2.232	0.0013	-2.5 to 2.5	Pass
				50	12	3.033	0.0018	-2.5 to 2.5	Pass
	1732.5	50	0	20	10.8	0.315	0.0002	-2.5 to 2.5	Pass
					12	-2.904	-0.0017	-2.5 to 2.5	Pass
					13.2	2.174	0.0013	-2.5 to 2.5	Pass
				-30	12	-0.458	-0.0003	-2.5 to 2.5	Pass
				-20	12	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.131	-0.0012	-2.5 to 2.5	Pass
				0	12	-1.774	-0.0010	-2.5 to 2.5	Pass
				10	12	-3.104	-0.0018	-2.5 to 2.5	Pass
				30	12	-1.788	-0.0010	-2.5 to 2.5	Pass
				40	12	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	12	-1.316	-0.0008	-2.5 to 2.5	Pass
	1750	50	0	20	10.8	3.662	0.0021	-2.5 to 2.5	Pass
					12	2.632	0.0015	-2.5 to 2.5	Pass
					13.2	3.719	0.0021	-2.5 to 2.5	Pass
				-30	12	6.151	0.0035	-2.5 to 2.5	Pass
				-20	12	2.031	0.0012	-2.5 to 2.5	Pass
				-10	12	2.704	0.0015	-2.5 to 2.5	Pass
				0	12	4.492	0.0026	-2.5 to 2.5	Pass
				10	12	3.862	0.0022	-2.5 to 2.5	Pass
				30	12	3.290	0.0019	-2.5 to 2.5	Pass
				40	12	4.535	0.0026	-2.5 to 2.5	Pass
				50	12	1.931	0.0011	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 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	10.8	4.735	0.0028	-2.5 to 2.5	Pass
					12	2.203	0.0013	-2.5 to 2.5	Pass
					13.2	3.476	0.0020	-2.5 to 2.5	Pass
				-30	12	2.375	0.0014	-2.5 to 2.5	Pass
				-20	12	3.633	0.0021	-2.5 to 2.5	Pass
				-10	12	1.488	0.0009	-2.5 to 2.5	Pass
				0	12	1.874	0.0011	-2.5 to 2.5	Pass
				10	12	2.017	0.0012	-2.5 to 2.5	Pass
				30	12	1.860	0.0011	-2.5 to 2.5	Pass
				40	12	3.462	0.0020	-2.5 to 2.5	Pass
				50	12	5.336	0.0031	-2.5 to 2.5	Pass
	1732.5	75	0	20	10.8	-0.901	-0.0005	-2.5 to 2.5	Pass
					12	-0.644	-0.0004	-2.5 to 2.5	Pass
					13.2	5.021	0.0029	-2.5 to 2.5	Pass
				-30	12	2.575	0.0015	-2.5 to 2.5	Pass



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0512-5157350888 0512-5157370919 sgs.china@sgs.com

				-20	12	2.503	0.0014	-2.5 to 2.5	Pass
				-10	12	-0.286	-0.0002	-2.5 to 2.5	Pass
				0	12	-0.958	-0.0006	-2.5 to 2.5	Pass
				10	12	1.416	0.0008	-2.5 to 2.5	Pass
				30	12	-3.633	-0.0021	-2.5 to 2.5	Pass
				40	12	-2.503	-0.0014	-2.5 to 2.5	Pass
				50	12	2.589	0.0015	-2.5 to 2.5	Pass
	1747.5	75	0	20	10.8	4.191	0.0024	-2.5 to 2.5	Pass
					12	2.432	0.0014	-2.5 to 2.5	Pass
					13.2	1.760	0.0010	-2.5 to 2.5	Pass
				-30	12	6.752	0.0039	-2.5 to 2.5	Pass
				-20	12	2.861	0.0016	-2.5 to 2.5	Pass
				-10	12	6.452	0.0037	-2.5 to 2.5	Pass
				0	12	-0.787	-0.0005	-2.5 to 2.5	Pass
				10	12	-1.116	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.944	-0.0005	-2.5 to 2.5	Pass
				40	12	-6.223	-0.0036	-2.5 to 2.5	Pass
				50	12	-2.418	-0.0014	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	10.8	2.017	0.0012	-2.5 to 2.5	Pass
					12	3.462	0.0020	-2.5 to 2.5	Pass
					13.2	3.347	0.0019	-2.5 to 2.5	Pass
				-30	12	3.920	0.0023	-2.5 to 2.5	Pass
				-20	12	5.879	0.0034	-2.5 to 2.5	Pass
				-10	12	3.204	0.0019	-2.5 to 2.5	Pass
				0	12	4.163	0.0024	-2.5 to 2.5	Pass
				10	12	2.489	0.0014	-2.5 to 2.5	Pass
				30	12	2.689	0.0016	-2.5 to 2.5	Pass
				40	12	2.604	0.0015	-2.5 to 2.5	Pass
	50	12	0.787	0.0005	-2.5 to 2.5	Pass			
	1732.5	75	0	20	10.8	1.645	0.0009	-2.5 to 2.5	Pass
					12	-0.801	-0.0005	-2.5 to 2.5	Pass
					13.2	0.458	0.0003	-2.5 to 2.5	Pass
				-30	12	1.488	0.0009	-2.5 to 2.5	Pass
				-20	12	0.558	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				0	12	1.545	0.0009	-2.5 to 2.5	Pass
				10	12	-2.990	-0.0017	-2.5 to 2.5	Pass
				30	12	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	12	1.545	0.0009	-2.5 to 2.5	Pass
	50	12	2.375	0.0014	-2.5 to 2.5	Pass			
	1747.5	75	0	20	10.8	1.388	0.0008	-2.5 to 2.5	Pass
					12	-0.200	-0.0001	-2.5 to 2.5	Pass
					13.2	-1.130	-0.0006	-2.5 to 2.5	Pass
				-30	12	0.715	0.0004	-2.5 to 2.5	Pass
				-20	12	-0.558	-0.0003	-2.5 to 2.5	Pass
-10				12	1.202	0.0007	-2.5 to 2.5	Pass	
0				12	-0.572	-0.0003	-2.5 to 2.5	Pass	
10				12	-1.760	-0.0010	-2.5 to 2.5	Pass	
30				12	2.818	0.0016	-2.5 to 2.5	Pass	
40				12	3.076	0.0018	-2.5 to 2.5	Pass	
50	12	0.658	0.0004	-2.5 to 2.5	Pass				
64QAM	1717.5	75	0	20	10.8	2.203	0.0013	-2.5 to 2.5	Pass
					12	4.535	0.0026	-2.5 to 2.5	Pass
					13.2	3.891	0.0023	-2.5 to 2.5	Pass



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256QAM				-30	12	2.017	0.0012	-2.5 to 2.5	Pass
				-20	12	3.576	0.0021	-2.5 to 2.5	Pass
				-10	12	3.862	0.0022	-2.5 to 2.5	Pass
				0	12	3.319	0.0019	-2.5 to 2.5	Pass
				10	12	1.974	0.0011	-2.5 to 2.5	Pass
				30	12	1.817	0.0011	-2.5 to 2.5	Pass
				40	12	0.100	0.0001	-2.5 to 2.5	Pass
				50	12	3.462	0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	10.8	-0.386	-0.0002	-2.5 to 2.5	Pass
					12	1.488	0.0009	-2.5 to 2.5	Pass
					13.2	0.472	0.0003	-2.5 to 2.5	Pass
				-30	12	0.343	0.0002	-2.5 to 2.5	Pass
				-20	12	0.157	0.0001	-2.5 to 2.5	Pass
				-10	12	0.072	0.0000	-2.5 to 2.5	Pass
				0	12	-0.544	-0.0003	-2.5 to 2.5	Pass
				10	12	1.316	0.0008	-2.5 to 2.5	Pass
				30	12	0.601	0.0003	-2.5 to 2.5	Pass
				40	12	-0.615	-0.0004	-2.5 to 2.5	Pass
				50	12	0.429	0.0002	-2.5 to 2.5	Pass
				20	10.8	0.286	0.0002	-2.5 to 2.5	Pass
					12	1.960	0.0011	-2.5 to 2.5	Pass
					13.2	3.047	0.0017	-2.5 to 2.5	Pass
				-30	12	2.403	0.0014	-2.5 to 2.5	Pass
				-20	12	-1.631	-0.0009	-2.5 to 2.5	Pass
				-10	12	1.960	0.0011	-2.5 to 2.5	Pass
				0	12	4.106	0.0023	-2.5 to 2.5	Pass
				10	12	2.375	0.0014	-2.5 to 2.5	Pass
				30	12	3.777	0.0022	-2.5 to 2.5	Pass
				40	12	1.960	0.0011	-2.5 to 2.5	Pass
				50	12	1.616	0.0009	-2.5 to 2.5	Pass
	1717.5	75	0	20	10.8	0.458	0.0003	-2.5 to 2.5	Pass
					12	3.777	0.0022	-2.5 to 2.5	Pass
					13.2	3.161	0.0018	-2.5 to 2.5	Pass
				-30	12	0.358	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				-10	12	4.077	0.0024	-2.5 to 2.5	Pass
				0	12	3.161	0.0018	-2.5 to 2.5	Pass
				10	12	3.791	0.0022	-2.5 to 2.5	Pass
				30	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				40	12	3.648	0.0021	-2.5 to 2.5	Pass
				50	12	1.502	0.0009	-2.5 to 2.5	Pass
				20	10.8	-0.215	-0.0001	-2.5 to 2.5	Pass
					12	0.815	0.0005	-2.5 to 2.5	Pass
					13.2	0.830	0.0005	-2.5 to 2.5	Pass
				-30	12	1.831	0.0011	-2.5 to 2.5	Pass
				-20	12	-1.960	-0.0011	-2.5 to 2.5	Pass
				-10	12	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	12	-0.587	-0.0003	-2.5 to 2.5	Pass
				10	12	0.186	0.0001	-2.5 to 2.5	Pass
				30	12	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	12	-0.343	-0.0002	-2.5 to 2.5	Pass
				50	12	-0.443	-0.0003	-2.5 to 2.5	Pass
	1747.5	75	0	20	10.8	1.273	0.0007	-2.5 to 2.5	Pass
					12	3.390	0.0019	-2.5 to 2.5	Pass



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				13.2	4.063	0.0023	-2.5 to 2.5	Pass
			-30	12	1.688	0.0010	-2.5 to 2.5	Pass
			-20	12	4.048	0.0023	-2.5 to 2.5	Pass
			-10	12	4.263	0.0024	-2.5 to 2.5	Pass
			0	12	6.380	0.0037	-2.5 to 2.5	Pass
			10	12	3.033	0.0017	-2.5 to 2.5	Pass
			30	12	2.632	0.0015	-2.5 to 2.5	Pass
			40	12	1.445	0.0008	-2.5 to 2.5	Pass
			50	12	2.389	0.0014	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 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	10.8	-5.751	-0.0033	-2.5 to 2.5	Pass
					12	-2.117	-0.0012	-2.5 to 2.5	Pass
					13.2	-3.633	-0.0021	-2.5 to 2.5	Pass
				-30	12	-2.103	-0.0012	-2.5 to 2.5	Pass
				-20	12	0.129	0.0001	-2.5 to 2.5	Pass
				-10	12	-0.873	-0.0005	-2.5 to 2.5	Pass
				0	12	-3.519	-0.0020	-2.5 to 2.5	Pass
				10	12	-1.030	-0.0006	-2.5 to 2.5	Pass
				30	12	-3.691	-0.0021	-2.5 to 2.5	Pass
				40	12	-1.373	-0.0008	-2.5 to 2.5	Pass
				50	12	-1.817	-0.0011	-2.5 to 2.5	Pass
	1732.5	100	0	20	10.8	1.001	0.0006	-2.5 to 2.5	Pass
					12	-1.445	-0.0008	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	12	-1.674	-0.0010	-2.5 to 2.5	Pass
				-10	12	0.701	0.0004	-2.5 to 2.5	Pass
				0	12	0.658	0.0004	-2.5 to 2.5	Pass
				10	12	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	12	0.844	0.0005	-2.5 to 2.5	Pass
				40	12	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	12	-1.674	-0.0010	-2.5 to 2.5	Pass
	1745	100	0	20	10.8	5.794	0.0033	-2.5 to 2.5	Pass
					12	2.761	0.0016	-2.5 to 2.5	Pass
					13.2	6.437	0.0037	-2.5 to 2.5	Pass
				-30	12	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	12	5.550	0.0032	-2.5 to 2.5	Pass
				-10	12	5.765	0.0033	-2.5 to 2.5	Pass
				0	12	3.076	0.0018	-2.5 to 2.5	Pass
				10	12	2.704	0.0015	-2.5 to 2.5	Pass
				30	12	3.777	0.0022	-2.5 to 2.5	Pass
				40	12	2.203	0.0013	-2.5 to 2.5	Pass
				50	12	3.576	0.0020	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	10.8	-3.605	-0.0021	-2.5 to 2.5	Pass
					12	-1.030	-0.0006	-2.5 to 2.5	Pass



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64QAM					13.2	1.359	0.0008	-2.5 to 2.5	Pass
				-30	12	2.646	0.0015	-2.5 to 2.5	Pass
				-20	12	-0.787	-0.0005	-2.5 to 2.5	Pass
				-10	12	1.802	0.0010	-2.5 to 2.5	Pass
				0	12	-4.721	-0.0027	-2.5 to 2.5	Pass
				10	12	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	12	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	12	-1.903	-0.0011	-2.5 to 2.5	Pass
				50	12	-2.532	-0.0015	-2.5 to 2.5	Pass
	1732.5	100	0	20	10.8	0.186	0.0001	-2.5 to 2.5	Pass
					12	-0.243	-0.0001	-2.5 to 2.5	Pass
					13.2	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				-20	12	0.887	0.0005	-2.5 to 2.5	Pass
				-10	12	0.000	0.0000	-2.5 to 2.5	Pass
				0	12	-1.116	-0.0006	-2.5 to 2.5	Pass
				10	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	12	-0.558	-0.0003	-2.5 to 2.5	Pass
				40	12	4.077	0.0024	-2.5 to 2.5	Pass
				50	12	2.074	0.0012	-2.5 to 2.5	Pass
	1745	100	0	20	10.8	3.262	0.0019	-2.5 to 2.5	Pass
					12	2.189	0.0013	-2.5 to 2.5	Pass
					13.2	2.103	0.0012	-2.5 to 2.5	Pass
				-30	12	0.944	0.0005	-2.5 to 2.5	Pass
				-20	12	1.616	0.0009	-2.5 to 2.5	Pass
				-10	12	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.687	-0.0004	-2.5 to 2.5	Pass
				10	12	0.415	0.0002	-2.5 to 2.5	Pass
				30	12	1.702	0.0010	-2.5 to 2.5	Pass
				40	12	3.119	0.0018	-2.5 to 2.5	Pass
				50	12	-0.286	-0.0002	-2.5 to 2.5	Pass
	1720	100	0	20	10.8	-1.431	-0.0008	-2.5 to 2.5	Pass
					12	-1.845	-0.0011	-2.5 to 2.5	Pass
					13.2	-0.601	-0.0003	-2.5 to 2.5	Pass
				-30	12	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	12	0.901	0.0005	-2.5 to 2.5	Pass
				-10	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				0	12	0.443	0.0003	-2.5 to 2.5	Pass
				10	12	0.472	0.0003	-2.5 to 2.5	Pass
				30	12	-4.463	-0.0026	-2.5 to 2.5	Pass
				40	12	-1.116	-0.0006	-2.5 to 2.5	Pass
				50	12	-0.958	-0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	10.8	1.588	0.0009	-2.5 to 2.5	Pass
					12	-2.089	-0.0012	-2.5 to 2.5	Pass
					13.2	-2.232	-0.0013	-2.5 to 2.5	Pass
				-30	12	2.103	0.0012	-2.5 to 2.5	Pass
				-20	12	1.745	0.0010	-2.5 to 2.5	Pass
				-10	12	-3.104	-0.0018	-2.5 to 2.5	Pass
				0	12	2.003	0.0012	-2.5 to 2.5	Pass
				10	12	-0.286	-0.0002	-2.5 to 2.5	Pass
				30	12	1.974	0.0011	-2.5 to 2.5	Pass
				40	12	2.618	0.0015	-2.5 to 2.5	Pass
				50	12	-1.931	-0.0011	-2.5 to 2.5	Pass
	1745	100	0	20	10.8	0.358	0.0002	-2.5 to 2.5	Pass



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					12	-1.116	-0.0006	-2.5 to 2.5	Pass
					13.2	-0.329	-0.0002	-2.5 to 2.5	Pass
				-30	12	-1.202	-0.0007	-2.5 to 2.5	Pass
				-20	12	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	12	-2.775	-0.0016	-2.5 to 2.5	Pass
				0	12	-3.161	-0.0018	-2.5 to 2.5	Pass
				10	12	0.687	0.0004	-2.5 to 2.5	Pass
				30	12	-1.631	-0.0009	-2.5 to 2.5	Pass
				40	12	-1.144	-0.0007	-2.5 to 2.5	Pass
				50	12	-3.204	-0.0018	-2.5 to 2.5	Pass
256QAM	1720	100	0	20	10.8	-0.515	-0.0003	-2.5 to 2.5	Pass
					12	-3.877	-0.0023	-2.5 to 2.5	Pass
					13.2	-0.801	-0.0005	-2.5 to 2.5	Pass
				-30	12	0.358	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.644	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.043	0.0000	-2.5 to 2.5	Pass
				0	12	0.458	0.0003	-2.5 to 2.5	Pass
				10	12	0.386	0.0002	-2.5 to 2.5	Pass
				30	12	3.676	0.0021	-2.5 to 2.5	Pass
				40	12	5.507	0.0032	-2.5 to 2.5	Pass
	50	12	4.635	0.0027	-2.5 to 2.5	Pass			
	1732.5	100	0	20	10.8	-0.072	0.0000	-2.5 to 2.5	Pass
					12	0.200	0.0001	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.172	0.0001	-2.5 to 2.5	Pass
				-20	12	-3.462	-0.0020	-2.5 to 2.5	Pass
				-10	12	-0.472	-0.0003	-2.5 to 2.5	Pass
				0	12	0.415	0.0002	-2.5 to 2.5	Pass
				10	12	1.059	0.0006	-2.5 to 2.5	Pass
				30	12	1.631	0.0009	-2.5 to 2.5	Pass
				40	12	0.329	0.0002	-2.5 to 2.5	Pass
	50	12	-2.189	-0.0013	-2.5 to 2.5	Pass			
	1745	100	0	20	10.8	0.272	0.0002	-2.5 to 2.5	Pass
					12	0.229	0.0001	-2.5 to 2.5	Pass
					13.2	2.232	0.0013	-2.5 to 2.5	Pass
				-30	12	-2.232	-0.0013	-2.5 to 2.5	Pass
				-20	12	-1.602	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.286	-0.0002	-2.5 to 2.5	Pass
				0	12	-2.389	-0.0014	-2.5 to 2.5	Pass
				10	12	3.576	0.0020	-2.5 to 2.5	Pass
				30	12	-1.230	-0.0007	-2.5 to 2.5	Pass
40				12	-0.658	-0.0004	-2.5 to 2.5	Pass	
50				12	-2.160	-0.0012	-2.5 to 2.5	Pass	



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370911 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370911 sgs.china@sgs.com

3. Frequency Stability

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	10.8	-2.303	-0.0028	-2.5 to 2.5	Pass
					12	-4.077	-0.0049	-2.5 to 2.5	Pass
					13.2	-5.965	-0.0072	-2.5 to 2.5	Pass
				-30	12	-7.782	-0.0094	-2.5 to 2.5	Pass
				-20	12	-5.922	-0.0072	-2.5 to 2.5	Pass
				-10	12	-4.091	-0.0050	-2.5 to 2.5	Pass
				0	12	-4.220	-0.0051	-2.5 to 2.5	Pass
				10	12	-3.762	-0.0046	-2.5 to 2.5	Pass
				30	12	-1.845	-0.0022	-2.5 to 2.5	Pass
				40	12	-3.963	-0.0048	-2.5 to 2.5	Pass
				50	12	-2.060	-0.0025	-2.5 to 2.5	Pass
	836.5	6	0	20	10.8	-1.688	-0.0020	-2.5 to 2.5	Pass
					12	-1.888	-0.0023	-2.5 to 2.5	Pass
					13.2	-1.874	-0.0022	-2.5 to 2.5	Pass
				-30	12	-3.219	-0.0038	-2.5 to 2.5	Pass
				-20	12	-3.390	-0.0041	-2.5 to 2.5	Pass
				-10	12	-1.745	-0.0021	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				30	12	-1.545	-0.0018	-2.5 to 2.5	Pass
				40	12	-3.061	-0.0037	-2.5 to 2.5	Pass
				50	12	-1.917	-0.0023	-2.5 to 2.5	Pass
	848.3	6	0	20	10.8	-0.401	-0.0005	-2.5 to 2.5	Pass
					12	-2.489	-0.0029	-2.5 to 2.5	Pass
					13.2	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	12	-2.990	-0.0035	-2.5 to 2.5	Pass
				-20	12	1.931	0.0023	-2.5 to 2.5	Pass
				-10	12	0.172	0.0002	-2.5 to 2.5	Pass
				0	12	-1.302	-0.0015	-2.5 to 2.5	Pass
				10	12	-0.830	-0.0010	-2.5 to 2.5	Pass
				30	12	0.629	0.0007	-2.5 to 2.5	Pass
				40	12	1.030	0.0012	-2.5 to 2.5	Pass
				50	12	1.302	0.0015	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	10.8	-1.817	-0.0022	-2.5 to 2.5	Pass
					12	-0.501	-0.0006	-2.5 to 2.5	Pass
					13.2	-0.515	-0.0006	-2.5 to 2.5	Pass
				-30	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				-20	12	-0.801	-0.0010	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0022	-2.5 to 2.5	Pass
				0	12	1.130	0.0014	-2.5 to 2.5	Pass
				10	12	1.030	0.0012	-2.5 to 2.5	Pass
				30	12	1.159	0.0014	-2.5 to 2.5	Pass
				40	12	-0.086	-0.0001	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

86-51257350888 86-51257370911 www.sgs.com.cn

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	836.5	6	0	50	12	-1.101	-0.0013	-2.5 to 2.5	Pass
				20	10.8	0.215	0.0003	-2.5 to 2.5	Pass
					12	-2.017	-0.0024	-2.5 to 2.5	Pass
					13.2	-1.545	-0.0018	-2.5 to 2.5	Pass
				-30	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				-20	12	-2.232	-0.0027	-2.5 to 2.5	Pass
				-10	12	-3.591	-0.0043	-2.5 to 2.5	Pass
				0	12	-4.363	-0.0052	-2.5 to 2.5	Pass
				10	12	-6.995	-0.0084	-2.5 to 2.5	Pass
				30	12	-2.246	-0.0027	-2.5 to 2.5	Pass
	848.3	6	0	40	12	-2.832	-0.0034	-2.5 to 2.5	Pass
				50	12	-3.161	-0.0038	-2.5 to 2.5	Pass
				20	10.8	-3.576	-0.0042	-2.5 to 2.5	Pass
					12	-0.587	-0.0007	-2.5 to 2.5	Pass
					13.2	2.189	0.0026	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				-20	12	-1.044	-0.0012	-2.5 to 2.5	Pass
				-10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				0	12	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	12	1.488	0.0018	-2.5 to 2.5	Pass
64QAM	824.7	6	0	30	12	-1.731	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				50	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				20	10.8	-1.659	-0.0020	-2.5 to 2.5	Pass
					12	-2.761	-0.0033	-2.5 to 2.5	Pass
					13.2	-4.091	-0.0050	-2.5 to 2.5	Pass
				-30	12	-3.490	-0.0042	-2.5 to 2.5	Pass
				-20	12	-6.166	-0.0075	-2.5 to 2.5	Pass
				-10	12	-5.236	-0.0063	-2.5 to 2.5	Pass
				0	12	-0.858	-0.0010	-2.5 to 2.5	Pass
	836.5	6	0	10	12	-3.891	-0.0047	-2.5 to 2.5	Pass
				30	12	0.544	0.0007	-2.5 to 2.5	Pass
				40	12	-5.236	-0.0063	-2.5 to 2.5	Pass
				50	12	-5.193	-0.0063	-2.5 to 2.5	Pass
				20	10.8	-2.103	-0.0025	-2.5 to 2.5	Pass
					12	-3.433	-0.0041	-2.5 to 2.5	Pass
					13.2	-3.390	-0.0041	-2.5 to 2.5	Pass
				-30	12	1.302	0.0016	-2.5 to 2.5	Pass
				-20	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				-10	12	-5.093	-0.0061	-2.5 to 2.5	Pass
	848.3	6	0	0	12	-1.373	-0.0016	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				40	12	-1.101	-0.0013	-2.5 to 2.5	Pass
				50	12	1.130	0.0014	-2.5 to 2.5	Pass
				20	10.8	0.315	0.0004	-2.5 to 2.5	Pass
					12	-0.057	-0.0001	-2.5 to 2.5	Pass
					13.2	-1.645	-0.0019	-2.5 to 2.5	Pass
				-30	12	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	12	-0.501	-0.0006	-2.5 to 2.5	Pass
				-10	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	12	-1.259	-0.0015	-2.5 to 2.5	Pass
				10	12	-1.202	-0.0014	-2.5 to 2.5	Pass
				30	12	-4.807	-0.0057	-2.5 to 2.5	Pass



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				40	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				50	12	-1.016	-0.0012	-2.5 to 2.5	Pass
256QAM	824.7	6	0	20	10.8	-1.516	-0.0018	-2.5 to 2.5	Pass
					12	-6.151	-0.0075	-2.5 to 2.5	Pass
					13.2	-0.529	-0.0006	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				-20	12	-3.490	-0.0042	-2.5 to 2.5	Pass
				-10	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				0	12	-2.031	-0.0025	-2.5 to 2.5	Pass
				10	12	1.273	0.0015	-2.5 to 2.5	Pass
				30	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.143	-0.0002	-2.5 to 2.5	Pass
	50	12	-5.465	-0.0066	-2.5 to 2.5	Pass			
	836.5	6	0	20	10.8	-2.346	-0.0028	-2.5 to 2.5	Pass
					12	-2.131	-0.0025	-2.5 to 2.5	Pass
					13.2	-2.804	-0.0034	-2.5 to 2.5	Pass
				-30	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				-20	12	-1.788	-0.0021	-2.5 to 2.5	Pass
				-10	12	-0.887	-0.0011	-2.5 to 2.5	Pass
				0	12	-2.375	-0.0028	-2.5 to 2.5	Pass
				10	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	12	-5.465	-0.0065	-2.5 to 2.5	Pass
				40	12	-4.635	-0.0055	-2.5 to 2.5	Pass
	50	12	-0.615	-0.0007	-2.5 to 2.5	Pass			
	848.3	6	0	20	10.8	-0.486	-0.0006	-2.5 to 2.5	Pass
					12	1.202	0.0014	-2.5 to 2.5	Pass
					13.2	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	12	-1.073	-0.0013	-2.5 to 2.5	Pass
				-20	12	0.343	0.0004	-2.5 to 2.5	Pass
				-10	12	-2.346	-0.0028	-2.5 to 2.5	Pass
				0	12	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	12	-2.847	-0.0034	-2.5 to 2.5	Pass
30				12	-1.760	-0.0021	-2.5 to 2.5	Pass	
40				12	-1.245	-0.0015	-2.5 to 2.5	Pass	
50	12	-3.605	-0.0042	-2.5 to 2.5	Pass				

3.2 B5 3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	10.8	-0.386	-0.0005	-2.5 to 2.5	Pass
					12	-3.362	-0.0041	-2.5 to 2.5	Pass
					13.2	1.874	0.0023	-2.5 to 2.5	Pass
				-30	12	2.375	0.0029	-2.5 to 2.5	Pass
				-20	12	-2.203	-0.0027	-2.5 to 2.5	Pass
				-10	12	0.830	0.0010	-2.5 to 2.5	Pass
				0	12	0.229	0.0003	-2.5 to 2.5	Pass
				10	12	0.186	0.0002	-2.5 to 2.5	Pass
				30	12	-0.057	-0.0001	-2.5 to 2.5	Pass



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886-51257356888 886-51257370610 www.agsgroup.com.cn
 886-51257356883 886-51257370616 ags.china@ags.com

	836.5	15	0	40	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				50	12	0.157	0.0002	-2.5 to 2.5	Pass
				20	10.8	1.831	0.0022	-2.5 to 2.5	Pass
					12	1.345	0.0016	-2.5 to 2.5	Pass
					13.2	-1.473	-0.0018	-2.5 to 2.5	Pass
				-30	12	-1.588	-0.0019	-2.5 to 2.5	Pass
				-20	12	0.772	0.0009	-2.5 to 2.5	Pass
				-10	12	-2.275	-0.0027	-2.5 to 2.5	Pass
				0	12	-1.287	-0.0015	-2.5 to 2.5	Pass
				10	12	2.360	0.0028	-2.5 to 2.5	Pass
				30	12	-3.905	-0.0047	-2.5 to 2.5	Pass
				40	12	-1.945	-0.0023	-2.5 to 2.5	Pass
				50	12	-1.359	-0.0016	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-4.606	-0.0054	-2.5 to 2.5	Pass
					12	-1.659	-0.0020	-2.5 to 2.5	Pass
					13.2	-0.300	-0.0004	-2.5 to 2.5	Pass
				-30	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				-20	12	-2.246	-0.0027	-2.5 to 2.5	Pass
				-10	12	-3.691	-0.0044	-2.5 to 2.5	Pass
				0	12	-3.161	-0.0037	-2.5 to 2.5	Pass
				10	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				30	12	0.257	0.0003	-2.5 to 2.5	Pass
				40	12	-2.933	-0.0035	-2.5 to 2.5	Pass
				50	12	-4.363	-0.0051	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	10.8	-0.987	-0.0012	-2.5 to 2.5	Pass
					12	-0.029	0.0000	-2.5 to 2.5	Pass
					13.2	-1.874	-0.0023	-2.5 to 2.5	Pass
				-30	12	-0.730	-0.0009	-2.5 to 2.5	Pass
				-20	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				-10	12	-2.360	-0.0029	-2.5 to 2.5	Pass
				0	12	-2.275	-0.0028	-2.5 to 2.5	Pass
				10	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	12	1.345	0.0016	-2.5 to 2.5	Pass
				50	12	1.059	0.0013	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	1.373	0.0016	-2.5 to 2.5	Pass
					12	-2.947	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.459	-0.0017	-2.5 to 2.5	Pass
				-30	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				-20	12	-3.233	-0.0039	-2.5 to 2.5	Pass
				-10	12	1.259	0.0015	-2.5 to 2.5	Pass
				0	12	0.515	0.0006	-2.5 to 2.5	Pass
				10	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				30	12	-3.004	-0.0036	-2.5 to 2.5	Pass
				40	12	-0.029	0.0000	-2.5 to 2.5	Pass
				50	12	-1.044	-0.0012	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-0.715	-0.0008	-2.5 to 2.5	Pass
					12	0.157	0.0002	-2.5 to 2.5	Pass
					13.2	-5.279	-0.0062	-2.5 to 2.5	Pass
				-30	12	-1.059	-0.0012	-2.5 to 2.5	Pass
				-20	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				-10	12	-2.103	-0.0025	-2.5 to 2.5	Pass
				0	12	1.574	0.0019	-2.5 to 2.5	Pass
				10	12	-0.415	-0.0005	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

0085-51215735088 006-51215737010 www.sgs.com.cn

0085-51215735088 006-51215737010 sgs.china@sgs.com

				30	12	-1.287	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.818	-0.0033	-2.5 to 2.5	Pass
				50	12	-1.130	-0.0013	-2.5 to 2.5	Pass
64QAM	825.5	15	0	20	10.8	-2.604	-0.0032	-2.5 to 2.5	Pass
					12	-0.215	-0.0003	-2.5 to 2.5	Pass
					13.2	1.860	0.0023	-2.5 to 2.5	Pass
				-30	12	-1.431	-0.0017	-2.5 to 2.5	Pass
				-20	12	-1.116	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.775	-0.0034	-2.5 to 2.5	Pass
				0	12	-2.732	-0.0033	-2.5 to 2.5	Pass
				10	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				30	12	0.257	0.0003	-2.5 to 2.5	Pass
				40	12	1.159	0.0014	-2.5 to 2.5	Pass
				50	12	0.730	0.0009	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-3.576	-0.0043	-2.5 to 2.5	Pass
					12	-1.445	-0.0017	-2.5 to 2.5	Pass
					13.2	1.531	0.0018	-2.5 to 2.5	Pass
				-30	12	0.372	0.0004	-2.5 to 2.5	Pass
				-20	12	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	12	0.687	0.0008	-2.5 to 2.5	Pass
				0	12	-2.289	-0.0027	-2.5 to 2.5	Pass
				10	12	-3.734	-0.0045	-2.5 to 2.5	Pass
				30	12	-2.632	-0.0031	-2.5 to 2.5	Pass
				40	12	-1.345	-0.0016	-2.5 to 2.5	Pass
				50	12	0.629	0.0008	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-4.148	-0.0049	-2.5 to 2.5	Pass
					12	-4.463	-0.0053	-2.5 to 2.5	Pass
					13.2	-2.360	-0.0028	-2.5 to 2.5	Pass
				-30	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				-20	12	-3.762	-0.0044	-2.5 to 2.5	Pass
				-10	12	-3.247	-0.0038	-2.5 to 2.5	Pass
				0	12	-3.376	-0.0040	-2.5 to 2.5	Pass
				10	12	1.059	0.0012	-2.5 to 2.5	Pass
				30	12	0.215	0.0003	-2.5 to 2.5	Pass
				40	12	-4.134	-0.0049	-2.5 to 2.5	Pass
				50	12	-2.818	-0.0033	-2.5 to 2.5	Pass
256QAM	825.5	15	0	20	10.8	-0.401	-0.0005	-2.5 to 2.5	Pass
					12	1.416	0.0017	-2.5 to 2.5	Pass
					13.2	0.901	0.0011	-2.5 to 2.5	Pass
				-30	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				-20	12	-1.445	-0.0018	-2.5 to 2.5	Pass
				-10	12	0.916	0.0011	-2.5 to 2.5	Pass
				0	12	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	12	0.229	0.0003	-2.5 to 2.5	Pass
				30	12	1.402	0.0017	-2.5 to 2.5	Pass
				40	12	-0.429	-0.0005	-2.5 to 2.5	Pass
				50	12	0.343	0.0004	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-0.587	-0.0007	-2.5 to 2.5	Pass
					12	-4.134	-0.0049	-2.5 to 2.5	Pass
					13.2	-0.687	-0.0008	-2.5 to 2.5	Pass
				-30	12	0.415	0.0005	-2.5 to 2.5	Pass
				-20	12	-2.933	-0.0035	-2.5 to 2.5	Pass
				-10	12	1.245	0.0015	-2.5 to 2.5	Pass
				0	12	0.572	0.0007	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

0512-515735088 0512-515737010 www.sgs.com.cn

0512-515735088 0512-515737010 sgs.china@sgs.com

				10	12	-2.432	-0.0029	-2.5 to 2.5	Pass
				30	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.257	-0.0003	-2.5 to 2.5	Pass
				50	12	0.429	0.0005	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-4.463	-0.0053	-2.5 to 2.5	Pass
					12	1.230	0.0015	-2.5 to 2.5	Pass
					13.2	-3.219	-0.0038	-2.5 to 2.5	Pass
				-30	12	-0.601	-0.0007	-2.5 to 2.5	Pass
				-20	12	-3.948	-0.0047	-2.5 to 2.5	Pass
				-10	12	-2.704	-0.0032	-2.5 to 2.5	Pass
				0	12	-3.934	-0.0046	-2.5 to 2.5	Pass
				10	12	-0.587	-0.0007	-2.5 to 2.5	Pass
				30	12	-3.905	-0.0046	-2.5 to 2.5	Pass
				40	12	-5.264	-0.0062	-2.5 to 2.5	Pass
				50	12	-2.561	-0.0030	-2.5 to 2.5	Pass

3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	10.8	-2.589	-0.0031	-2.5 to 2.5	Pass
					12	-3.948	-0.0048	-2.5 to 2.5	Pass
					13.2	-2.561	-0.0031	-2.5 to 2.5	Pass
				-30	12	-4.563	-0.0055	-2.5 to 2.5	Pass
				-20	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	12	-3.605	-0.0044	-2.5 to 2.5	Pass
				0	12	-2.031	-0.0025	-2.5 to 2.5	Pass
				10	12	-2.031	-0.0025	-2.5 to 2.5	Pass
				30	12	-1.516	-0.0018	-2.5 to 2.5	Pass
				40	12	-2.360	-0.0029	-2.5 to 2.5	Pass
				50	12	-3.405	-0.0041	-2.5 to 2.5	Pass
	836.5	25	0	20	10.8	0.086	0.0001	-2.5 to 2.5	Pass
					12	-2.875	-0.0034	-2.5 to 2.5	Pass
					13.2	-3.662	-0.0044	-2.5 to 2.5	Pass
				-30	12	-3.190	-0.0038	-2.5 to 2.5	Pass
				-20	12	-1.445	-0.0017	-2.5 to 2.5	Pass
				-10	12	-1.631	-0.0019	-2.5 to 2.5	Pass
				0	12	-4.249	-0.0051	-2.5 to 2.5	Pass
				10	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				30	12	-2.532	-0.0030	-2.5 to 2.5	Pass
				40	12	-2.003	-0.0024	-2.5 to 2.5	Pass
				50	12	-0.801	-0.0010	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	-2.160	-0.0026	-2.5 to 2.5	Pass
					12	-2.818	-0.0033	-2.5 to 2.5	Pass
					13.2	-3.562	-0.0042	-2.5 to 2.5	Pass
				-30	12	-2.460	-0.0029	-2.5 to 2.5	Pass
				-20	12	-3.004	-0.0035	-2.5 to 2.5	Pass
				-10	12	-4.678	-0.0055	-2.5 to 2.5	Pass
				0	12	-0.472	-0.0006	-2.5 to 2.5	Pass



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				10	12	-5.007	-0.0059	-2.5 to 2.5	Pass
				30	12	-3.619	-0.0043	-2.5 to 2.5	Pass
				40	12	-2.046	-0.0024	-2.5 to 2.5	Pass
				50	12	-1.230	-0.0015	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	10.8	-0.415	-0.0005	-2.5 to 2.5	Pass
					12	-3.719	-0.0045	-2.5 to 2.5	Pass
					13.2	-1.345	-0.0016	-2.5 to 2.5	Pass
				-30	12	-4.621	-0.0056	-2.5 to 2.5	Pass
				-20	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	12	-5.007	-0.0061	-2.5 to 2.5	Pass
				0	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				10	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				30	12	-2.518	-0.0030	-2.5 to 2.5	Pass
				40	12	-3.304	-0.0040	-2.5 to 2.5	Pass
				50	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				836.5	25	0	20	10.8	-0.658
	12	-4.249	-0.0051					-2.5 to 2.5	Pass
	13.2	-0.987	-0.0012					-2.5 to 2.5	Pass
	-30	12	0.472				0.0006	-2.5 to 2.5	Pass
	-20	12	-0.687				-0.0008	-2.5 to 2.5	Pass
	-10	12	-1.001				-0.0012	-2.5 to 2.5	Pass
	0	12	-1.001				-0.0012	-2.5 to 2.5	Pass
	10	12	-0.401				-0.0005	-2.5 to 2.5	Pass
	30	12	-0.429				-0.0005	-2.5 to 2.5	Pass
	40	12	-0.129				-0.0002	-2.5 to 2.5	Pass
	50	12	-2.275				-0.0027	-2.5 to 2.5	Pass
	846.5	25	0				20	10.8	-4.592
				12	-1.974	-0.0023		-2.5 to 2.5	Pass
				13.2	-1.302	-0.0015		-2.5 to 2.5	Pass
				-30	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				-20	12	-3.147	-0.0037	-2.5 to 2.5	Pass
				-10	12	-2.217	-0.0026	-2.5 to 2.5	Pass
0				12	-3.047	-0.0036	-2.5 to 2.5	Pass	
10				12	-3.762	-0.0044	-2.5 to 2.5	Pass	
30				12	-4.621	-0.0055	-2.5 to 2.5	Pass	
40				12	-3.963	-0.0047	-2.5 to 2.5	Pass	
50				12	-1.931	-0.0023	-2.5 to 2.5	Pass	
64QAM				826.5	25	0	20	10.8	-0.215
	12	-2.789	-0.0034					-2.5 to 2.5	Pass
	13.2	-4.005	-0.0048					-2.5 to 2.5	Pass
	-30	12	-3.076				-0.0037	-2.5 to 2.5	Pass
	-20	12	-1.259				-0.0015	-2.5 to 2.5	Pass
	-10	12	-4.091				-0.0049	-2.5 to 2.5	Pass
	0	12	-4.535				-0.0055	-2.5 to 2.5	Pass
	10	12	-3.061				-0.0037	-2.5 to 2.5	Pass
	30	12	-5.722				-0.0069	-2.5 to 2.5	Pass
	40	12	0.858				0.0010	-2.5 to 2.5	Pass
	50	12	-3.419				-0.0041	-2.5 to 2.5	Pass
	836.5	25	0				20	10.8	-3.548
				12	0.472	0.0006		-2.5 to 2.5	Pass
				13.2	1.717	0.0021		-2.5 to 2.5	Pass
				-30	12	-3.405	-0.0041	-2.5 to 2.5	Pass
	-20	12	-2.403	-0.0029	-2.5 to 2.5	Pass			
-10	12	-2.446	-0.0029	-2.5 to 2.5	Pass				



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86-5125735888 86-5125737000 www.sgs.com.cn
86-5125735888 86-5125737000 sgs.china@sgs.com

256QAM				0	12	-3.576	-0.0043	-2.5 to 2.5	Pass
				10	12	-4.005	-0.0048	-2.5 to 2.5	Pass
				30	12	-2.933	-0.0035	-2.5 to 2.5	Pass
				40	12	-4.234	-0.0051	-2.5 to 2.5	Pass
				50	12	-0.715	-0.0009	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	-1.788	-0.0021	-2.5 to 2.5	Pass
					12	-1.974	-0.0023	-2.5 to 2.5	Pass
					13.2	-2.646	-0.0031	-2.5 to 2.5	Pass
				-30	12	-4.792	-0.0057	-2.5 to 2.5	Pass
				-20	12	-3.347	-0.0040	-2.5 to 2.5	Pass
				-10	12	-2.418	-0.0029	-2.5 to 2.5	Pass
				0	12	-1.802	-0.0021	-2.5 to 2.5	Pass
				10	12	-2.503	-0.0030	-2.5 to 2.5	Pass
				30	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	12	-2.961	-0.0035	-2.5 to 2.5	Pass
				50	12	-2.503	-0.0030	-2.5 to 2.5	Pass
	826.5	25	0	20	10.8	-6.166	-0.0075	-2.5 to 2.5	Pass
					12	-2.532	-0.0031	-2.5 to 2.5	Pass
					13.2	-1.245	-0.0015	-2.5 to 2.5	Pass
				-30	12	-2.518	-0.0030	-2.5 to 2.5	Pass
				-20	12	-4.277	-0.0052	-2.5 to 2.5	Pass
				-10	12	-2.003	-0.0024	-2.5 to 2.5	Pass
				0	12	-2.432	-0.0029	-2.5 to 2.5	Pass
				10	12	-3.104	-0.0038	-2.5 to 2.5	Pass
				30	12	-1.359	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.675	-0.0032	-2.5 to 2.5	Pass
				50	12	-1.559	-0.0019	-2.5 to 2.5	Pass
	836.5	25	0	20	10.8	-4.220	-0.0050	-2.5 to 2.5	Pass
					12	-2.847	-0.0034	-2.5 to 2.5	Pass
					13.2	-4.935	-0.0059	-2.5 to 2.5	Pass
				-30	12	-0.801	-0.0010	-2.5 to 2.5	Pass
				-20	12	-2.518	-0.0030	-2.5 to 2.5	Pass
				-10	12	-2.332	-0.0028	-2.5 to 2.5	Pass
				0	12	-2.460	-0.0029	-2.5 to 2.5	Pass
				10	12	-0.286	-0.0003	-2.5 to 2.5	Pass
				30	12	0.100	0.0001	-2.5 to 2.5	Pass
				40	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				50	12	-1.173	-0.0014	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	-4.706	-0.0056	-2.5 to 2.5	Pass
					12	-2.975	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.130	-0.0013	-2.5 to 2.5	Pass
				-30	12	-4.549	-0.0054	-2.5 to 2.5	Pass
				-20	12	-3.176	-0.0038	-2.5 to 2.5	Pass
				-10	12	-0.815	-0.0010	-2.5 to 2.5	Pass
				0	12	-4.549	-0.0054	-2.5 to 2.5	Pass
				10	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				30	12	-3.934	-0.0046	-2.5 to 2.5	Pass
				40	12	-1.960	-0.0023	-2.5 to 2.5	Pass
				50	12	-3.390	-0.0040	-2.5 to 2.5	Pass

3.4 B5_10MHz



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 中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(+86-512) 57350888 (+86-512) 57370911 www.sgs.com.cn
 (+86-512) 57350888 (+86-512) 57370911 sgs.china@sgs.com

Test Report Form Version: Rev01

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3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	10.8	-0.987	-0.0012	-2.5 to 2.5	Pass
					12	-1.373	-0.0017	-2.5 to 2.5	Pass
					13.2	-2.275	-0.0027	-2.5 to 2.5	Pass
				-30	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				-20	12	0.315	0.0004	-2.5 to 2.5	Pass
				-10	12	-2.289	-0.0028	-2.5 to 2.5	Pass
				0	12	0.029	0.0000	-2.5 to 2.5	Pass
				10	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	12	-2.046	-0.0025	-2.5 to 2.5	Pass
				40	12	-1.245	-0.0015	-2.5 to 2.5	Pass
				50	12	-0.930	-0.0011	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-4.349	-0.0052	-2.5 to 2.5	Pass
					12	-2.961	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.988	-0.0024	-2.5 to 2.5	Pass
				-30	12	-2.060	-0.0025	-2.5 to 2.5	Pass
				-20	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				-10	12	-3.748	-0.0045	-2.5 to 2.5	Pass
				0	12	-2.489	-0.0030	-2.5 to 2.5	Pass
				10	12	-4.392	-0.0053	-2.5 to 2.5	Pass
				30	12	-2.632	-0.0031	-2.5 to 2.5	Pass
				40	12	-2.818	-0.0034	-2.5 to 2.5	Pass
				50	12	-2.446	-0.0029	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-3.119	-0.0037	-2.5 to 2.5	Pass
					12	-0.529	-0.0006	-2.5 to 2.5	Pass
					13.2	0.072	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.930	-0.0011	-2.5 to 2.5	Pass
				-20	12	-1.216	-0.0014	-2.5 to 2.5	Pass
				-10	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	12	-3.433	-0.0041	-2.5 to 2.5	Pass
				30	12	-1.745	-0.0021	-2.5 to 2.5	Pass
				40	12	-2.732	-0.0032	-2.5 to 2.5	Pass
16QAM	829	50	0	20	10.8	-0.458	-0.0006	-2.5 to 2.5	Pass
					12	-2.375	-0.0029	-2.5 to 2.5	Pass
					13.2	-0.916	-0.0011	-2.5 to 2.5	Pass
				-30	12	0.286	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.388	-0.0017	-2.5 to 2.5	Pass
				-10	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	12	0.157	0.0002	-2.5 to 2.5	Pass
				10	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				30	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				40	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				50	12	-0.372	-0.0004	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-1.631	-0.0019	-2.5 to 2.5	Pass
					12	-2.832	-0.0034	-2.5 to 2.5	Pass
					13.2	-3.247	-0.0039	-2.5 to 2.5	Pass
				-30	12	-2.031	-0.0024	-2.5 to 2.5	Pass
				-20	12	-1.516	-0.0018	-2.5 to 2.5	Pass



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86-512(57)350888 86-512(57)370911 www.sgs.com.cn

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				-10	12	-4.277	-0.0051	-2.5 to 2.5	Pass
				0	12	-3.090	-0.0037	-2.5 to 2.5	Pass
				10	12	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				40	12	-2.904	-0.0035	-2.5 to 2.5	Pass
				50	12	-3.190	-0.0038	-2.5 to 2.5	Pass
	844	50	0	20	10.8	1.302	0.0015	-2.5 to 2.5	Pass
					12	0.143	0.0002	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.329	0.0004	-2.5 to 2.5	Pass
				-20	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				-10	12	-2.761	-0.0033	-2.5 to 2.5	Pass
				0	12	0.014	0.0000	-2.5 to 2.5	Pass
				10	12	-2.403	-0.0028	-2.5 to 2.5	Pass
				30	12	-1.717	-0.0020	-2.5 to 2.5	Pass
				40	12	-3.204	-0.0038	-2.5 to 2.5	Pass
				50	12	-1.588	-0.0019	-2.5 to 2.5	Pass
64QAM	829	50	0	20	10.8	-1.874	-0.0023	-2.5 to 2.5	Pass
					12	-0.715	-0.0009	-2.5 to 2.5	Pass
					13.2	-0.973	-0.0012	-2.5 to 2.5	Pass
				-30	12	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				-10	12	-2.489	-0.0030	-2.5 to 2.5	Pass
				0	12	-0.472	-0.0006	-2.5 to 2.5	Pass
				10	12	-2.217	-0.0027	-2.5 to 2.5	Pass
				30	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				40	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				50	12	-3.176	-0.0038	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-2.460	-0.0029	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-1.230	-0.0015	-2.5 to 2.5	Pass
				-30	12	-0.429	-0.0005	-2.5 to 2.5	Pass
				-20	12	-2.160	-0.0026	-2.5 to 2.5	Pass
				-10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				0	12	-2.375	-0.0028	-2.5 to 2.5	Pass
				10	12	-2.689	-0.0032	-2.5 to 2.5	Pass
				30	12	-4.106	-0.0049	-2.5 to 2.5	Pass
				40	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				50	12	-1.502	-0.0018	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-2.990	-0.0035	-2.5 to 2.5	Pass
					12	-1.674	-0.0020	-2.5 to 2.5	Pass
					13.2	-2.146	-0.0025	-2.5 to 2.5	Pass
				-30	12	-2.632	-0.0031	-2.5 to 2.5	Pass
				-20	12	-1.688	-0.0020	-2.5 to 2.5	Pass
				-10	12	-0.486	-0.0006	-2.5 to 2.5	Pass
				0	12	0.687	0.0008	-2.5 to 2.5	Pass
				10	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				30	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				40	12	-2.375	-0.0028	-2.5 to 2.5	Pass
				50	12	-1.216	-0.0014	-2.5 to 2.5	Pass
256QAM	829	50	0	20	10.8	-1.788	-0.0022	-2.5 to 2.5	Pass
					12	-2.818	-0.0034	-2.5 to 2.5	Pass
					13.2	-0.958	-0.0012	-2.5 to 2.5	Pass
				-30	12	-0.329	-0.0004	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

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				-20	12	-2.332	-0.0028	-2.5 to 2.5	Pass
				-10	12	-1.101	-0.0013	-2.5 to 2.5	Pass
				0	12	-3.705	-0.0045	-2.5 to 2.5	Pass
				10	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				30	12	-3.204	-0.0039	-2.5 to 2.5	Pass
				40	12	-0.701	-0.0008	-2.5 to 2.5	Pass
				50	12	-2.804	-0.0034	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-3.777	-0.0045	-2.5 to 2.5	Pass
					12	-0.973	-0.0012	-2.5 to 2.5	Pass
					13.2	-2.990	-0.0036	-2.5 to 2.5	Pass
				-30	12	-1.688	-0.0020	-2.5 to 2.5	Pass
				-20	12	-2.689	-0.0032	-2.5 to 2.5	Pass
				-10	12	-2.460	-0.0029	-2.5 to 2.5	Pass
				0	12	-2.775	-0.0033	-2.5 to 2.5	Pass
				10	12	-1.230	-0.0015	-2.5 to 2.5	Pass
				30	12	-3.047	-0.0036	-2.5 to 2.5	Pass
				40	12	-1.502	-0.0018	-2.5 to 2.5	Pass
				50	12	-2.632	-0.0031	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-0.472	-0.0006	-2.5 to 2.5	Pass
					12	-0.401	-0.0005	-2.5 to 2.5	Pass
					13.2	-1.330	-0.0016	-2.5 to 2.5	Pass
				-30	12	-1.645	-0.0019	-2.5 to 2.5	Pass
				-20	12	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	12	1.431	0.0017	-2.5 to 2.5	Pass
				0	12	-2.089	-0.0025	-2.5 to 2.5	Pass
				10	12	-1.359	-0.0016	-2.5 to 2.5	Pass
				30	12	-1.245	-0.0015	-2.5 to 2.5	Pass
				40	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				50	12	-2.775	-0.0033	-2.5 to 2.5	Pass



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(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

4. Frequency Stability

4.1 B7_5MHz

4.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	10.8	-2.317	-0.0009	-2.5 to 2.5	Pass
					12	0.629	0.0003	-2.5 to 2.5	Pass
					13.2	0.687	0.0003	-2.5 to 2.5	Pass
				-30	12	1.903	0.0008	-2.5 to 2.5	Pass
				-20	12	3.462	0.0014	-2.5 to 2.5	Pass
				-10	12	2.060	0.0008	-2.5 to 2.5	Pass
				0	12	-4.563	-0.0018	-2.5 to 2.5	Pass
				10	12	3.090	0.0012	-2.5 to 2.5	Pass
				30	12	-4.034	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.360	-0.0009	-2.5 to 2.5	Pass
				50	12	3.204	0.0013	-2.5 to 2.5	Pass
	2535	25	0	20	10.8	-1.373	-0.0005	-2.5 to 2.5	Pass
					12	1.101	0.0004	-2.5 to 2.5	Pass
					13.2	-1.359	-0.0005	-2.5 to 2.5	Pass
				-30	12	4.449	0.0018	-2.5 to 2.5	Pass
				-20	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				-10	12	-2.089	-0.0008	-2.5 to 2.5	Pass
				0	12	3.419	0.0013	-2.5 to 2.5	Pass
				10	12	-1.960	-0.0008	-2.5 to 2.5	Pass
				30	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	12	-1.431	-0.0006	-2.5 to 2.5	Pass
				50	12	1.731	0.0007	-2.5 to 2.5	Pass
	2567.5	25	0	20	10.8	3.190	0.0012	-2.5 to 2.5	Pass
					12	5.250	0.0020	-2.5 to 2.5	Pass
					13.2	-2.217	-0.0009	-2.5 to 2.5	Pass
				-30	12	2.217	0.0009	-2.5 to 2.5	Pass
				-20	12	-3.448	-0.0013	-2.5 to 2.5	Pass
				-10	12	1.631	0.0006	-2.5 to 2.5	Pass
				0	12	4.234	0.0016	-2.5 to 2.5	Pass
				10	12	-2.232	-0.0009	-2.5 to 2.5	Pass
				30	12	-3.204	-0.0012	-2.5 to 2.5	Pass
				40	12	0.830	0.0003	-2.5 to 2.5	Pass
				50	12	4.878	0.0019	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	10.8	-5.207	-0.0021	-2.5 to 2.5	Pass
					12	-1.845	-0.0007	-2.5 to 2.5	Pass
					13.2	-2.174	-0.0009	-2.5 to 2.5	Pass
				-30	12	2.317	0.0009	-2.5 to 2.5	Pass
				-20	12	0.958	0.0004	-2.5 to 2.5	Pass
				-10	12	-1.888	-0.0008	-2.5 to 2.5	Pass
				0	12	1.674	0.0007	-2.5 to 2.5	Pass
				10	12	2.403	0.0010	-2.5 to 2.5	Pass
				30	12	-1.631	-0.0007	-2.5 to 2.5	Pass
				40	12	3.219	0.0013	-2.5 to 2.5	Pass



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				50	12	3.877	0.0015	-2.5 to 2.5	Pass
	2535	25	0	20	10.8	5.407	0.0021	-2.5 to 2.5	Pass
					12	1.688	0.0007	-2.5 to 2.5	Pass
					13.2	-3.462	-0.0014	-2.5 to 2.5	Pass
					-30	12	-3.977	-0.0016	-2.5 to 2.5
				-20	12	-2.375	-0.0009	-2.5 to 2.5	Pass
				-10	12	2.289	0.0009	-2.5 to 2.5	Pass
				0	12	-2.189	-0.0009	-2.5 to 2.5	Pass
				10	12	-0.100	0.0000	-2.5 to 2.5	Pass
				30	12	-0.672	-0.0003	-2.5 to 2.5	Pass
				40	12	2.975	0.0012	-2.5 to 2.5	Pass
	50	12	-4.134	-0.0016	-2.5 to 2.5	Pass			
	2567.5	25	0	20	10.8	-1.974	-0.0008	-2.5 to 2.5	Pass
					12	3.605	0.0014	-2.5 to 2.5	Pass
					13.2	1.187	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.916	-0.0004	-2.5 to 2.5	Pass
				-20	12	-3.033	-0.0012	-2.5 to 2.5	Pass
				-10	12	-0.429	-0.0002	-2.5 to 2.5	Pass
				0	12	1.273	0.0005	-2.5 to 2.5	Pass
				10	12	3.176	0.0012	-2.5 to 2.5	Pass
30				12	3.862	0.0015	-2.5 to 2.5	Pass	
40				12	5.422	0.0021	-2.5 to 2.5	Pass	
50	12	4.563	0.0018	-2.5 to 2.5	Pass				
64QAM	2502.5	25	0	20	10.8	1.545	0.0006	-2.5 to 2.5	Pass
					12	1.416	0.0006	-2.5 to 2.5	Pass
					13.2	-0.601	-0.0002	-2.5 to 2.5	Pass
				-30	12	3.619	0.0014	-2.5 to 2.5	Pass
				-20	12	3.934	0.0016	-2.5 to 2.5	Pass
				-10	12	6.480	0.0026	-2.5 to 2.5	Pass
				0	12	5.507	0.0022	-2.5 to 2.5	Pass
				10	12	0.601	0.0002	-2.5 to 2.5	Pass
				30	12	6.995	0.0028	-2.5 to 2.5	Pass
				40	12	1.702	0.0007	-2.5 to 2.5	Pass
	50	12	-1.030	-0.0004	-2.5 to 2.5	Pass			
	2535	25	0	20	10.8	-0.300	-0.0001	-2.5 to 2.5	Pass
					12	-6.723	-0.0027	-2.5 to 2.5	Pass
					13.2	4.206	0.0017	-2.5 to 2.5	Pass
				-30	12	2.389	0.0009	-2.5 to 2.5	Pass
				-20	12	3.190	0.0013	-2.5 to 2.5	Pass
				-10	12	3.362	0.0013	-2.5 to 2.5	Pass
				0	12	-4.106	-0.0016	-2.5 to 2.5	Pass
				10	12	2.689	0.0011	-2.5 to 2.5	Pass
				30	12	-1.774	-0.0007	-2.5 to 2.5	Pass
				40	12	1.502	0.0006	-2.5 to 2.5	Pass
	50	12	-0.587	-0.0002	-2.5 to 2.5	Pass			
	2567.5	25	0	20	10.8	3.734	0.0015	-2.5 to 2.5	Pass
					12	-2.418	-0.0009	-2.5 to 2.5	Pass
					13.2	8.154	0.0032	-2.5 to 2.5	Pass
				-30	12	0.129	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.944	-0.0004	-2.5 to 2.5	Pass
				-10	12	3.805	0.0015	-2.5 to 2.5	Pass
				0	12	3.676	0.0014	-2.5 to 2.5	Pass
				10	12	0.873	0.0003	-2.5 to 2.5	Pass
30	12	4.778	0.0019	-2.5 to 2.5	Pass				



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中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

86-5125735688 86-5125737011 www.sgs-group.com.cn
86-5125735688 86-5125737011 sgs.china@sgs.com

				40	12	5.007	0.0020	-2.5 to 2.5	Pass
				50	12	1.674	0.0007	-2.5 to 2.5	Pass
256QAM	2502.5	25	0	20	10.8	-0.930	-0.0004	-2.5 to 2.5	Pass
					12	-0.730	-0.0003	-2.5 to 2.5	Pass
					13.2	0.730	0.0003	-2.5 to 2.5	Pass
				-30	12	2.146	0.0009	-2.5 to 2.5	Pass
				-20	12	-5.393	-0.0022	-2.5 to 2.5	Pass
				-10	12	-0.958	-0.0004	-2.5 to 2.5	Pass
				0	12	1.931	0.0008	-2.5 to 2.5	Pass
				10	12	-1.173	-0.0005	-2.5 to 2.5	Pass
				30	12	2.890	0.0012	-2.5 to 2.5	Pass
				40	12	2.561	0.0010	-2.5 to 2.5	Pass
				50	12	4.206	0.0017	-2.5 to 2.5	Pass
	2535	25	0	20	10.8	0.114	0.0000	-2.5 to 2.5	Pass
					12	2.890	0.0011	-2.5 to 2.5	Pass
					13.2	-5.736	-0.0023	-2.5 to 2.5	Pass
				-30	12	-3.104	-0.0012	-2.5 to 2.5	Pass
				-20	12	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	12	3.619	0.0014	-2.5 to 2.5	Pass
				0	12	0.243	0.0001	-2.5 to 2.5	Pass
				10	12	-2.632	-0.0010	-2.5 to 2.5	Pass
				30	12	4.377	0.0017	-2.5 to 2.5	Pass
				40	12	-0.744	-0.0003	-2.5 to 2.5	Pass
				50	12	3.219	0.0013	-2.5 to 2.5	Pass
	2567.5	25	0	20	10.8	-1.316	-0.0005	-2.5 to 2.5	Pass
					12	4.077	0.0016	-2.5 to 2.5	Pass
					13.2	8.297	0.0032	-2.5 to 2.5	Pass
				-30	12	7.854	0.0031	-2.5 to 2.5	Pass
				-20	12	5.379	0.0021	-2.5 to 2.5	Pass
				-10	12	2.618	0.0010	-2.5 to 2.5	Pass
				0	12	7.310	0.0028	-2.5 to 2.5	Pass
				10	12	6.166	0.0024	-2.5 to 2.5	Pass
				30	12	3.648	0.0014	-2.5 to 2.5	Pass
				40	12	5.107	0.0020	-2.5 to 2.5	Pass
				50	12	8.340	0.0032	-2.5 to 2.5	Pass

4.2 B7_10MHz

4.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	10.8	-3.319	-0.0013	-2.5 to 2.5	Pass
					12	-3.963	-0.0016	-2.5 to 2.5	Pass
					13.2	0.916	0.0004	-2.5 to 2.5	Pass
				-30	12	-4.921	-0.0020	-2.5 to 2.5	Pass
				-20	12	-6.237	-0.0025	-2.5 to 2.5	Pass
				-10	12	-3.004	-0.0012	-2.5 to 2.5	Pass
				0	12	-2.174	-0.0009	-2.5 to 2.5	Pass
				10	12	1.559	0.0006	-2.5 to 2.5	Pass
				30	12	-0.372	-0.0001	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

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				40	12	-0.458	-0.0002	-2.5 to 2.5	Pass
				50	12	-2.217	-0.0009	-2.5 to 2.5	Pass
	2535	50	0	20	10.8	-0.172	-0.0001	-2.5 to 2.5	Pass
					12	2.847	0.0011	-2.5 to 2.5	Pass
					13.2	1.988	0.0008	-2.5 to 2.5	Pass
				-30	12	-13.25	-0.0017	-2.5 to 2.5	Pass
				-20	12	-4.148	-0.0016	-2.5 to 2.5	Pass
				-10	12	0.787	0.0003	-2.5 to 2.5	Pass
				0	12	1.245	0.0005	-2.5 to 2.5	Pass
				10	12	-0.830	-0.0003	-2.5 to 2.5	Pass
				30	12	1.473	0.0006	-2.5 to 2.5	Pass
				40	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	12	3.304	0.0013	-2.5 to 2.5	Pass
	2565	50	0	20	10.8	6.595	0.0026	-2.5 to 2.5	Pass
					12	1.760	0.0007	-2.5 to 2.5	Pass
					13.2	0.472	0.0002	-2.5 to 2.5	Pass
				-30	12	3.433	0.0013	-2.5 to 2.5	Pass
				-20	12	0.672	0.0003	-2.5 to 2.5	Pass
				-10	12	1.445	0.0006	-2.5 to 2.5	Pass
				0	12	4.950	0.0019	-2.5 to 2.5	Pass
				10	12	-5.851	-0.0023	-2.5 to 2.5	Pass
				30	12	4.406	0.0017	-2.5 to 2.5	Pass
				40	12	2.532	0.0010	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	10.8	-1.616	-0.0006	-2.5 to 2.5	Pass
					12	-1.173	-0.0005	-2.5 to 2.5	Pass
					13.2	-1.116	-0.0004	-2.5 to 2.5	Pass
				-30	12	-0.844	-0.0003	-2.5 to 2.5	Pass
				-20	12	-4.249	-0.0017	-2.5 to 2.5	Pass
				-10	12	1.845	0.0007	-2.5 to 2.5	Pass
				0	12	-1.688	-0.0007	-2.5 to 2.5	Pass
				10	12	-1.431	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.916	-0.0004	-2.5 to 2.5	Pass
				40	12	3.991	0.0016	-2.5 to 2.5	Pass
				50	12	0.072	0.0000	-2.5 to 2.5	Pass
	2535	50	0	20	10.8	-2.246	-0.0009	-2.5 to 2.5	Pass
					12	1.860	0.0007	-2.5 to 2.5	Pass
					13.2	3.562	0.0014	-2.5 to 2.5	Pass
				-30	12	3.819	0.0015	-2.5 to 2.5	Pass
				-20	12	-1.087	-0.0004	-2.5 to 2.5	Pass
				-10	12	-1.073	-0.0004	-2.5 to 2.5	Pass
				0	12	2.060	0.0008	-2.5 to 2.5	Pass
				10	12	-1.259	-0.0005	-2.5 to 2.5	Pass
				30	12	-0.315	-0.0001	-2.5 to 2.5	Pass
				40	12	1.030	0.0004	-2.5 to 2.5	Pass
	2565	50	0	20	10.8	-1.788	-0.0007	-2.5 to 2.5	Pass
					12	-0.429	-0.0002	-2.5 to 2.5	Pass
					13.2	4.206	0.0016	-2.5 to 2.5	Pass
				-30	12	0.873	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.645	-0.0006	-2.5 to 2.5	Pass
				-10	12	0.601	0.0002	-2.5 to 2.5	Pass
				0	12	1.459	0.0006	-2.5 to 2.5	Pass
				10	12	3.061	0.0012	-2.5 to 2.5	Pass
				30	12	2.160	0.0008	-2.5 to 2.5	Pass
				40	12	2.160	0.0008	-2.5 to 2.5	Pass



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0085-51215735088 006-51215737010 sgs.china@sgs.com

				30	12	-3.304	-0.0013	-2.5 to 2.5	Pass
				40	12	5.007	0.0020	-2.5 to 2.5	Pass
				50	12	3.262	0.0013	-2.5 to 2.5	Pass
64QAM	2505	50	0	20	10.8	1.445	0.0006	-2.5 to 2.5	Pass
					12	2.747	0.0011	-2.5 to 2.5	Pass
					13.2	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	12	-0.358	-0.0001	-2.5 to 2.5	Pass
				-20	12	-4.678	-0.0019	-2.5 to 2.5	Pass
				-10	12	1.960	0.0008	-2.5 to 2.5	Pass
				0	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				10	12	2.832	0.0011	-2.5 to 2.5	Pass
				30	12	-1.330	-0.0005	-2.5 to 2.5	Pass
				40	12	3.920	0.0016	-2.5 to 2.5	Pass
				50	12	0.029	0.0000	-2.5 to 2.5	Pass
	2535	50	0	20	10.8	0.458	0.0002	-2.5 to 2.5	Pass
					12	-0.730	-0.0003	-2.5 to 2.5	Pass
					13.2	1.674	0.0007	-2.5 to 2.5	Pass
				-30	12	-1.674	-0.0007	-2.5 to 2.5	Pass
				-20	12	5.565	0.0022	-2.5 to 2.5	Pass
				-10	12	7.253	0.0029	-2.5 to 2.5	Pass
				0	12	3.204	0.0013	-2.5 to 2.5	Pass
				10	12	4.549	0.0018	-2.5 to 2.5	Pass
				30	12	2.646	0.0010	-2.5 to 2.5	Pass
				40	12	5.851	0.0023	-2.5 to 2.5	Pass
				50	12	3.605	0.0014	-2.5 to 2.5	Pass
	2565	50	0	20	10.8	0.429	0.0002	-2.5 to 2.5	Pass
					12	2.046	0.0008	-2.5 to 2.5	Pass
					13.2	5.322	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				-20	12	2.217	0.0009	-2.5 to 2.5	Pass
				-10	12	1.888	0.0007	-2.5 to 2.5	Pass
				0	12	2.890	0.0011	-2.5 to 2.5	Pass
				10	12	-2.375	-0.0009	-2.5 to 2.5	Pass
				30	12	3.347	0.0013	-2.5 to 2.5	Pass
				40	12	-1.073	-0.0004	-2.5 to 2.5	Pass
				50	12	1.903	0.0007	-2.5 to 2.5	Pass
256QAM	2505	50	0	20	10.8	0.558	0.0002	-2.5 to 2.5	Pass
					12	6.552	0.0026	-2.5 to 2.5	Pass
					13.2	6.008	0.0024	-2.5 to 2.5	Pass
				-30	12	1.159	0.0005	-2.5 to 2.5	Pass
				-20	12	3.891	0.0016	-2.5 to 2.5	Pass
				-10	12	0.544	0.0002	-2.5 to 2.5	Pass
				0	12	2.532	0.0010	-2.5 to 2.5	Pass
				10	12	3.247	0.0013	-2.5 to 2.5	Pass
				30	12	2.875	0.0011	-2.5 to 2.5	Pass
				40	12	1.373	0.0005	-2.5 to 2.5	Pass
				50	12	0.758	0.0003	-2.5 to 2.5	Pass
	2535	50	0	20	10.8	5.507	0.0022	-2.5 to 2.5	Pass
					12	6.595	0.0026	-2.5 to 2.5	Pass
					13.2	6.237	0.0025	-2.5 to 2.5	Pass
				-30	12	5.364	0.0021	-2.5 to 2.5	Pass
				-20	12	0.272	0.0001	-2.5 to 2.5	Pass
				-10	12	3.805	0.0015	-2.5 to 2.5	Pass
				0	12	6.194	0.0024	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

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				10	12	9.055	0.0036	-2.5 to 2.5	Pass
				30	12	5.150	0.0020	-2.5 to 2.5	Pass
				40	12	0.944	0.0004	-2.5 to 2.5	Pass
				50	12	0.172	0.0001	-2.5 to 2.5	Pass
	2565	50	0	20	10.8	1.702	0.0007	-2.5 to 2.5	Pass
					12	1.359	0.0005	-2.5 to 2.5	Pass
					13.2	2.489	0.0010	-2.5 to 2.5	Pass
				-30	12	3.819	0.0015	-2.5 to 2.5	Pass
				-20	12	0.458	0.0002	-2.5 to 2.5	Pass
				-10	12	7.825	0.0031	-2.5 to 2.5	Pass
				0	12	3.233	0.0013	-2.5 to 2.5	Pass
				10	12	-1.116	-0.0004	-2.5 to 2.5	Pass
				30	12	-4.134	-0.0016	-2.5 to 2.5	Pass
				40	12	1.745	0.0007	-2.5 to 2.5	Pass
				50	12	4.077	0.0016	-2.5 to 2.5	Pass

4.3 B7_15MHz

4.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	10.8	2.847	0.0011	-2.5 to 2.5	Pass
					12	0.200	0.0001	-2.5 to 2.5	Pass
					13.2	5.422	0.0022	-2.5 to 2.5	Pass
				-30	12	-0.629	-0.0003	-2.5 to 2.5	Pass
				-20	12	5.050	0.0020	-2.5 to 2.5	Pass
				-10	12	7.224	0.0029	-2.5 to 2.5	Pass
				0	12	5.980	0.0024	-2.5 to 2.5	Pass
				10	12	5.164	0.0021	-2.5 to 2.5	Pass
				30	12	5.150	0.0021	-2.5 to 2.5	Pass
				40	12	-2.704	-0.0011	-2.5 to 2.5	Pass
				50	12	-1.101	-0.0004	-2.5 to 2.5	Pass
	2535	75	0	20	10.8	-2.174	-0.0009	-2.5 to 2.5	Pass
					12	-3.219	-0.0013	-2.5 to 2.5	Pass
					13.2	-0.615	-0.0002	-2.5 to 2.5	Pass
				-30	12	-2.804	-0.0011	-2.5 to 2.5	Pass
				-20	12	-1.473	-0.0006	-2.5 to 2.5	Pass
				-10	12	-2.818	-0.0011	-2.5 to 2.5	Pass
				0	12	2.160	0.0009	-2.5 to 2.5	Pass
				10	12	-2.575	-0.0010	-2.5 to 2.5	Pass
				30	12	-1.059	-0.0004	-2.5 to 2.5	Pass
				40	12	-6.323	-0.0025	-2.5 to 2.5	Pass
				50	12	0.186	0.0001	-2.5 to 2.5	Pass
	2562.5	75	0	20	10.8	-3.619	-0.0014	-2.5 to 2.5	Pass
					12	-3.190	-0.0012	-2.5 to 2.5	Pass
					13.2	-2.260	-0.0009	-2.5 to 2.5	Pass
				-30	12	-1.631	-0.0006	-2.5 to 2.5	Pass
				-20	12	-3.147	-0.0012	-2.5 to 2.5	Pass
				-10	12	-1.616	-0.0006	-2.5 to 2.5	Pass
				0	12	-5.264	-0.0021	-2.5 to 2.5	Pass



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				10	12	-3.633	-0.0014	-2.5 to 2.5	Pass
				30	12	-5.393	-0.0021	-2.5 to 2.5	Pass
				40	12	-4.263	-0.0017	-2.5 to 2.5	Pass
				50	12	1.130	0.0004	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	10.8	-0.501	-0.0002	-2.5 to 2.5	Pass
					12	2.589	0.0010	-2.5 to 2.5	Pass
					13.2	3.519	0.0014	-2.5 to 2.5	Pass
				-30	12	6.795	0.0027	-2.5 to 2.5	Pass
				-20	12	3.147	0.0013	-2.5 to 2.5	Pass
				-10	12	10.629	0.0042	-2.5 to 2.5	Pass
				0	12	5.550	0.0022	-2.5 to 2.5	Pass
				10	12	1.159	0.0005	-2.5 to 2.5	Pass
				30	12	2.518	0.0010	-2.5 to 2.5	Pass
				40	12	0.844	0.0003	-2.5 to 2.5	Pass
				50	12	1.359	0.0005	-2.5 to 2.5	Pass
				2535	75	0	20	10.8	-3.376
	12	-0.601	-0.0002					-2.5 to 2.5	Pass
	13.2	0.129	0.0001					-2.5 to 2.5	Pass
	-30	12	1.645				0.0006	-2.5 to 2.5	Pass
	-20	12	0.830				0.0003	-2.5 to 2.5	Pass
	-10	12	-0.272				-0.0001	-2.5 to 2.5	Pass
	0	12	0.672				0.0003	-2.5 to 2.5	Pass
	10	12	0.887				0.0003	-2.5 to 2.5	Pass
	30	12	1.659				0.0007	-2.5 to 2.5	Pass
	40	12	2.532				0.0010	-2.5 to 2.5	Pass
	50	12	5.336				0.0021	-2.5 to 2.5	Pass
	2562.5	75	0				20	10.8	-3.490
				12	3.033	0.0012		-2.5 to 2.5	Pass
				13.2	-4.263	-0.0017		-2.5 to 2.5	Pass
				-30	12	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0005	-2.5 to 2.5	Pass
				-10	12	-3.977	-0.0016	-2.5 to 2.5	Pass
				0	12	-5.364	-0.0021	-2.5 to 2.5	Pass
				10	12	0.544	0.0002	-2.5 to 2.5	Pass
				30	12	4.592	0.0018	-2.5 to 2.5	Pass
				40	12	3.448	0.0013	-2.5 to 2.5	Pass
50				12	6.781	0.0026	-2.5 to 2.5	Pass	
64QAM				2507.5	75	0	20	10.8	6.366
	12	7.796	0.0031					-2.5 to 2.5	Pass
	13.2	0.901	0.0004					-2.5 to 2.5	Pass
	-30	12	2.246				0.0009	-2.5 to 2.5	Pass
	-20	12	1.130				0.0005	-2.5 to 2.5	Pass
	-10	12	5.436				0.0022	-2.5 to 2.5	Pass
	0	12	7.353				0.0029	-2.5 to 2.5	Pass
	10	12	3.390				0.0014	-2.5 to 2.5	Pass
	30	12	4.406				0.0018	-2.5 to 2.5	Pass
	40	12	7.210				0.0029	-2.5 to 2.5	Pass
	50	12	6.266				0.0025	-2.5 to 2.5	Pass
	2535	75	0				20	10.8	0.129
				12	4.578	0.0018		-2.5 to 2.5	Pass
				13.2	4.935	0.0019		-2.5 to 2.5	Pass
				-30	12	0.072	0.0000	-2.5 to 2.5	Pass
				-20	12	3.805	0.0015	-2.5 to 2.5	Pass
				-10	12	2.789	0.0011	-2.5 to 2.5	Pass



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256QAM				0	12	0.987	0.0004	-2.5 to 2.5	Pass
				10	12	2.303	0.0009	-2.5 to 2.5	Pass
				30	12	2.561	0.0010	-2.5 to 2.5	Pass
				40	12	3.433	0.0014	-2.5 to 2.5	Pass
				50	12	0.844	0.0003	-2.5 to 2.5	Pass
	2562.5	75	0	20	10.8	6.137	0.0024	-2.5 to 2.5	Pass
					12	5.894	0.0023	-2.5 to 2.5	Pass
					13.2	8.497	0.0033	-2.5 to 2.5	Pass
				-30	12	7.639	0.0030	-2.5 to 2.5	Pass
				-20	12	7.281	0.0028	-2.5 to 2.5	Pass
				-10	12	0.973	0.0004	-2.5 to 2.5	Pass
				0	12	2.217	0.0009	-2.5 to 2.5	Pass
				10	12	5.651	0.0022	-2.5 to 2.5	Pass
				30	12	2.418	0.0009	-2.5 to 2.5	Pass
				40	12	5.622	0.0022	-2.5 to 2.5	Pass
				50	12	4.349	0.0017	-2.5 to 2.5	Pass
	2507.5	75	0	20	10.8	3.633	0.0014	-2.5 to 2.5	Pass
					12	3.948	0.0016	-2.5 to 2.5	Pass
					13.2	5.064	0.0020	-2.5 to 2.5	Pass
				-30	12	3.018	0.0012	-2.5 to 2.5	Pass
				-20	12	10.843	0.0043	-2.5 to 2.5	Pass
				-10	12	4.020	0.0016	-2.5 to 2.5	Pass
				0	12	5.150	0.0021	-2.5 to 2.5	Pass
				10	12	1.588	0.0006	-2.5 to 2.5	Pass
				30	12	0.529	0.0002	-2.5 to 2.5	Pass
				40	12	6.881	0.0027	-2.5 to 2.5	Pass
				50	12	9.613	0.0038	-2.5 to 2.5	Pass
	2535	75	0	20	10.8	-3.219	-0.0013	-2.5 to 2.5	Pass
					12	0.615	0.0002	-2.5 to 2.5	Pass
					13.2	-0.830	-0.0003	-2.5 to 2.5	Pass
				-30	12	-3.362	-0.0013	-2.5 to 2.5	Pass
				-20	12	-6.394	-0.0025	-2.5 to 2.5	Pass
				-10	12	-6.194	-0.0024	-2.5 to 2.5	Pass
				0	12	-5.980	-0.0024	-2.5 to 2.5	Pass
				10	12	-3.419	-0.0013	-2.5 to 2.5	Pass
				30	12	1.488	0.0006	-2.5 to 2.5	Pass
				40	12	0.801	0.0003	-2.5 to 2.5	Pass
				50	12	1.202	0.0005	-2.5 to 2.5	Pass
	2562.5	75	0	20	10.8	4.420	0.0017	-2.5 to 2.5	Pass
					12	8.912	0.0035	-2.5 to 2.5	Pass
					13.2	5.450	0.0021	-2.5 to 2.5	Pass
				-30	12	1.974	0.0008	-2.5 to 2.5	Pass
				-20	12	2.990	0.0012	-2.5 to 2.5	Pass
				-10	12	4.792	0.0019	-2.5 to 2.5	Pass
				0	12	9.270	0.0036	-2.5 to 2.5	Pass
				10	12	1.502	0.0006	-2.5 to 2.5	Pass
				30	12	2.189	0.0009	-2.5 to 2.5	Pass
				40	12	3.290	0.0013	-2.5 to 2.5	Pass
				50	12	4.692	0.0018	-2.5 to 2.5	Pass

4.4 B7_20MHz



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 中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(+86-512) 57350888 (+86-512) 57370911 www.sgs.com.cn
 (+86-512) 57350883 (+86-512) 57370911 sgs.china@sgs.com

Test Report Form Version: Rev01

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4.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	10.8	2.518	0.0010	-2.5 to 2.5	Pass
					12	3.948	0.0016	-2.5 to 2.5	Pass
					13.2	1.516	0.0006	-2.5 to 2.5	Pass
				-30	12	0.629	0.0003	-2.5 to 2.5	Pass
				-20	12	0.644	0.0003	-2.5 to 2.5	Pass
				-10	12	2.933	0.0012	-2.5 to 2.5	Pass
				0	12	3.934	0.0016	-2.5 to 2.5	Pass
				10	12	0.443	0.0002	-2.5 to 2.5	Pass
				30	12	2.146	0.0009	-2.5 to 2.5	Pass
				40	12	5.493	0.0022	-2.5 to 2.5	Pass
				50	12	3.004	0.0012	-2.5 to 2.5	Pass
	2535	100	0	20	10.8	1.087	0.0004	-2.5 to 2.5	Pass
					12	0.215	0.0001	-2.5 to 2.5	Pass
					13.2	3.476	0.0014	-2.5 to 2.5	Pass
				-30	12	-0.815	-0.0003	-2.5 to 2.5	Pass
				-20	12	4.549	0.0018	-2.5 to 2.5	Pass
				-10	12	2.689	0.0011	-2.5 to 2.5	Pass
				0	12	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	12	-2.432	-0.0010	-2.5 to 2.5	Pass
				30	12	5.250	0.0021	-2.5 to 2.5	Pass
				40	12	-3.061	-0.0012	-2.5 to 2.5	Pass
				50	12	1.245	0.0005	-2.5 to 2.5	Pass
	2560	100	0	20	10.8	3.304	0.0013	-2.5 to 2.5	Pass
					12	5.178	0.0020	-2.5 to 2.5	Pass
					13.2	-1.516	-0.0006	-2.5 to 2.5	Pass
				-30	12	4.592	0.0018	-2.5 to 2.5	Pass
				-20	12	4.935	0.0019	-2.5 to 2.5	Pass
				-10	12	2.489	0.0010	-2.5 to 2.5	Pass
				0	12	6.180	0.0024	-2.5 to 2.5	Pass
				10	12	4.935	0.0019	-2.5 to 2.5	Pass
				30	12	2.904	0.0011	-2.5 to 2.5	Pass
				40	12	4.964	0.0019	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	10.8	1.287	0.0005	-2.5 to 2.5	Pass
					12	3.605	0.0014	-2.5 to 2.5	Pass
					13.2	5.050	0.0020	-2.5 to 2.5	Pass
				-30	12	0.944	0.0004	-2.5 to 2.5	Pass
				-20	12	4.220	0.0017	-2.5 to 2.5	Pass
				-10	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	12	2.103	0.0008	-2.5 to 2.5	Pass
				10	12	1.903	0.0008	-2.5 to 2.5	Pass
				30	12	1.173	0.0005	-2.5 to 2.5	Pass
				40	12	1.531	0.0006	-2.5 to 2.5	Pass
				50	12	13.25	0.0018	-2.5 to 2.5	Pass
	2535	100	0	20	10.8	5.236	0.0021	-2.5 to 2.5	Pass
					12	1.845	0.0007	-2.5 to 2.5	Pass
					13.2	1.116	0.0004	-2.5 to 2.5	Pass
				-30	12	-1.502	-0.0006	-2.5 to 2.5	Pass
				-20	12	4.263	0.0017	-2.5 to 2.5	Pass



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 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

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				-10	12	4.921	0.0019	-2.5 to 2.5	Pass				
				0	12	-0.229	-0.0001	-2.5 to 2.5	Pass				
				10	12	-1.016	-0.0004	-2.5 to 2.5	Pass				
				30	12	0.315	0.0001	-2.5 to 2.5	Pass				
				40	12	-0.043	0.0000	-2.5 to 2.5	Pass				
				50	12	2.933	0.0012	-2.5 to 2.5	Pass				
	2560	100	0	20	10.8	1.559	0.0006	-2.5 to 2.5	Pass				
					12	4.492	0.0018	-2.5 to 2.5	Pass				
					13.2	1.874	0.0007	-2.5 to 2.5	Pass				
				-30	12	2.646	0.0010	-2.5 to 2.5	Pass				
				-20	12	2.432	0.0010	-2.5 to 2.5	Pass				
				-10	12	0.544	0.0002	-2.5 to 2.5	Pass				
				0	12	-2.003	-0.0008	-2.5 to 2.5	Pass				
				10	12	2.103	0.0008	-2.5 to 2.5	Pass				
				30	12	3.104	0.0012	-2.5 to 2.5	Pass				
				40	12	1.802	0.0007	-2.5 to 2.5	Pass				
				50	12	-3.362	-0.0013	-2.5 to 2.5	Pass				
				64QAM	2510	100	0	20	10.8	1.845	0.0007	-2.5 to 2.5	Pass
									12	3.805	0.0015	-2.5 to 2.5	Pass
13.2	1.845	0.0007	-2.5 to 2.5						Pass				
-30	12	4.792	0.0019					-2.5 to 2.5	Pass				
-20	12	1.416	0.0006					-2.5 to 2.5	Pass				
-10	12	1.616	0.0006					-2.5 to 2.5	Pass				
0	12	0.029	0.0000					-2.5 to 2.5	Pass				
10	12	6.480	0.0026					-2.5 to 2.5	Pass				
30	12	-0.629	-0.0003					-2.5 to 2.5	Pass				
40	12	4.506	0.0018					-2.5 to 2.5	Pass				
50	12	-2.189	-0.0009		-2.5 to 2.5	Pass							
2535	100	0	20		10.8	0.558	0.0002	-2.5 to 2.5	Pass				
					12	0.472	0.0002	-2.5 to 2.5	Pass				
					13.2	1.059	0.0004	-2.5 to 2.5	Pass				
			-30		12	1.302	0.0005	-2.5 to 2.5	Pass				
			-20		12	0.100	0.0000	-2.5 to 2.5	Pass				
			-10		12	-0.944	-0.0004	-2.5 to 2.5	Pass				
			0		12	-1.745	-0.0007	-2.5 to 2.5	Pass				
			10		12	2.947	0.0012	-2.5 to 2.5	Pass				
			30		12	-0.043	0.0000	-2.5 to 2.5	Pass				
			40		12	-2.117	-0.0008	-2.5 to 2.5	Pass				
50	12	-2.203	-0.0009		-2.5 to 2.5	Pass							
2560	100	0	20		10.8	5.665	0.0022	-2.5 to 2.5	Pass				
					12	-2.832	-0.0011	-2.5 to 2.5	Pass				
					13.2	-2.875	-0.0011	-2.5 to 2.5	Pass				
			-30		12	-1.574	-0.0006	-2.5 to 2.5	Pass				
			-20		12	1.588	0.0006	-2.5 to 2.5	Pass				
			-10		12	-2.847	-0.0011	-2.5 to 2.5	Pass				
			0		12	0.901	0.0004	-2.5 to 2.5	Pass				
			10	12	0.401	0.0002	-2.5 to 2.5	Pass					
			30	12	2.503	0.0010	-2.5 to 2.5	Pass					
			40	12	-1.359	-0.0005	-2.5 to 2.5	Pass					
50	12	4.520	0.0018	-2.5 to 2.5	Pass								
256QAM	2510	100	0	20	10.8	-1.588	-0.0006	-2.5 to 2.5	Pass				
					12	-0.043	0.0000	-2.5 to 2.5	Pass				
					13.2	3.476	0.0014	-2.5 to 2.5	Pass				
				-30	12	-0.672	-0.0003	-2.5 to 2.5	Pass				



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				-20	12	4.764	0.0019	-2.5 to 2.5	Pass
				-10	12	2.460	0.0010	-2.5 to 2.5	Pass
				0	12	1.574	0.0006	-2.5 to 2.5	Pass
				10	12	1.016	0.0004	-2.5 to 2.5	Pass
				30	12	7.296	0.0029	-2.5 to 2.5	Pass
				40	12	6.337	0.0025	-2.5 to 2.5	Pass
				50	12	7.195	0.0029	-2.5 to 2.5	Pass
	2535	100	0	20	10.8	0.072	0.0000	-2.5 to 2.5	Pass
					12	5.922	0.0023	-2.5 to 2.5	Pass
					13.2	1.731	0.0007	-2.5 to 2.5	Pass
				-30	12	2.203	0.0009	-2.5 to 2.5	Pass
				-20	12	1.130	0.0004	-2.5 to 2.5	Pass
				-10	12	-0.744	-0.0003	-2.5 to 2.5	Pass
				0	12	2.890	0.0011	-2.5 to 2.5	Pass
				10	12	2.646	0.0010	-2.5 to 2.5	Pass
				30	12	0.200	0.0001	-2.5 to 2.5	Pass
				40	12	7.195	0.0028	-2.5 to 2.5	Pass
				50	12	1.202	0.0005	-2.5 to 2.5	Pass
	2560	100	0	20	10.8	1.559	0.0006	-2.5 to 2.5	Pass
					12	2.518	0.0010	-2.5 to 2.5	Pass
					13.2	-0.844	-0.0003	-2.5 to 2.5	Pass
				-30	12	3.204	0.0013	-2.5 to 2.5	Pass
				-20	12	1.101	0.0004	-2.5 to 2.5	Pass
				-10	12	0.730	0.0003	-2.5 to 2.5	Pass
				0	12	0.072	0.0000	-2.5 to 2.5	Pass
				10	12	1.559	0.0006	-2.5 to 2.5	Pass
				30	12	5.922	0.0023	-2.5 to 2.5	Pass
				40	12	3.147	0.0012	-2.5 to 2.5	Pass
				50	12	1.516	0.0006	-2.5 to 2.5	Pass



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(86-512)57350888 (86-512)57370011 www.sgs.com.cn
(86-512)57350883 (86-512)57370011 sgs.china@sgs.com

5. Frequency Stability

5.1 B25_1.4MHz

5.1.1 Test Result

Band: 25 / 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	10.8	4.692	0.0025	-2.5 to 2.5	Pass
					12	-0.544	-0.0003	-2.5 to 2.5	Pass
					13.2	-2.260	-0.0012	-2.5 to 2.5	Pass
				-30	12	1.845	0.0010	-2.5 to 2.5	Pass
				-20	12	5.493	0.0030	-2.5 to 2.5	Pass
				-10	12	-1.345	-0.0007	-2.5 to 2.5	Pass
				0	12	4.907	0.0027	-2.5 to 2.5	Pass
				10	12	1.101	0.0006	-2.5 to 2.5	Pass
				30	12	3.476	0.0019	-2.5 to 2.5	Pass
				40	12	6.380	0.0034	-2.5 to 2.5	Pass
				50	12	3.018	0.0016	-2.5 to 2.5	Pass
	1882.5	6	0	20	10.8	-1.588	-0.0008	-2.5 to 2.5	Pass
					12	-0.815	-0.0004	-2.5 to 2.5	Pass
					13.2	0.658	0.0003	-2.5 to 2.5	Pass
				-30	12	-1.745	-0.0009	-2.5 to 2.5	Pass
				-20	12	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	12	2.604	0.0014	-2.5 to 2.5	Pass
				0	12	2.317	0.0012	-2.5 to 2.5	Pass
				10	12	-4.420	-0.0023	-2.5 to 2.5	Pass
				30	12	-4.406	-0.0023	-2.5 to 2.5	Pass
				40	12	4.320	0.0023	-2.5 to 2.5	Pass
				50	12	-4.277	-0.0023	-2.5 to 2.5	Pass
	1914.3	6	0	20	10.8	0.758	0.0004	-2.5 to 2.5	Pass
					12	-0.157	-0.0001	-2.5 to 2.5	Pass
					13.2	-1.302	-0.0007	-2.5 to 2.5	Pass
				-30	12	-3.290	-0.0017	-2.5 to 2.5	Pass
				-20	12	2.532	0.0013	-2.5 to 2.5	Pass
				-10	12	2.131	0.0011	-2.5 to 2.5	Pass
				0	12	-2.847	-0.0015	-2.5 to 2.5	Pass
				10	12	-5.422	-0.0028	-2.5 to 2.5	Pass
				30	12	-2.432	-0.0013	-2.5 to 2.5	Pass
				40	12	-1.574	-0.0008	-2.5 to 2.5	Pass
				50	12	1.144	0.0006	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	10.8	2.661	0.0014	-2.5 to 2.5	Pass
					12	-2.904	-0.0016	-2.5 to 2.5	Pass
					13.2	-2.518	-0.0014	-2.5 to 2.5	Pass
				-30	12	2.317	0.0013	-2.5 to 2.5	Pass
				-20	12	5.622	0.0030	-2.5 to 2.5	Pass
				-10	12	7.753	0.0042	-2.5 to 2.5	Pass
				0	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				10	12	-1.645	-0.0009	-2.5 to 2.5	Pass
				30	12	5.922	0.0032	-2.5 to 2.5	Pass



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	1882.5	6	0	40	12	4.849	0.0026	-2.5 to 2.5	Pass
				50	12	-7.067	-0.0038	-2.5 to 2.5	Pass
				20	10.8	1.702	0.0009	-2.5 to 2.5	Pass
					12	-2.875	-0.0015	-2.5 to 2.5	Pass
					13.2	-4.249	-0.0023	-2.5 to 2.5	Pass
				-30	12	-4.377	-0.0023	-2.5 to 2.5	Pass
				-20	12	3.691	0.0020	-2.5 to 2.5	Pass
				-10	12	-0.615	-0.0003	-2.5 to 2.5	Pass
				0	12	1.931	0.0010	-2.5 to 2.5	Pass
				10	12	-2.675	-0.0014	-2.5 to 2.5	Pass
				30	12	-2.446	-0.0013	-2.5 to 2.5	Pass
				40	12	5.021	0.0027	-2.5 to 2.5	Pass
				50	12	1.459	0.0008	-2.5 to 2.5	Pass
	1914.3	6	0	20	10.8	10.157	0.0053	-2.5 to 2.5	Pass
					12	1.774	0.0009	-2.5 to 2.5	Pass
					13.2	2.217	0.0012	-2.5 to 2.5	Pass
				-30	12	5.207	0.0027	-2.5 to 2.5	Pass
				-20	12	0.730	0.0004	-2.5 to 2.5	Pass
				-10	12	1.230	0.0006	-2.5 to 2.5	Pass
				0	12	2.489	0.0013	-2.5 to 2.5	Pass
				10	12	-2.003	-0.0010	-2.5 to 2.5	Pass
				30	12	6.967	0.0036	-2.5 to 2.5	Pass
				40	12	6.022	0.0031	-2.5 to 2.5	Pass
				50	12	0.672	0.0004	-2.5 to 2.5	Pass
64QAM	1850.7	6	0	20	10.8	1.130	0.0006	-2.5 to 2.5	Pass
					12	-2.103	-0.0011	-2.5 to 2.5	Pass
					13.2	1.173	0.0006	-2.5 to 2.5	Pass
				-30	12	1.259	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.372	-0.0002	-2.5 to 2.5	Pass
				-10	12	5.407	0.0029	-2.5 to 2.5	Pass
				0	12	-2.689	-0.0015	-2.5 to 2.5	Pass
				10	12	1.988	0.0011	-2.5 to 2.5	Pass
				30	12	1.302	0.0007	-2.5 to 2.5	Pass
				40	12	3.176	0.0017	-2.5 to 2.5	Pass
				50	12	1.817	0.0010	-2.5 to 2.5	Pass
	1882.5	6	0	20	10.8	-2.031	-0.0011	-2.5 to 2.5	Pass
					12	-3.161	-0.0017	-2.5 to 2.5	Pass
					13.2	2.203	0.0012	-2.5 to 2.5	Pass
				-30	12	-4.034	-0.0021	-2.5 to 2.5	Pass
				-20	12	3.605	0.0019	-2.5 to 2.5	Pass
				-10	12	-3.791	-0.0020	-2.5 to 2.5	Pass
				0	12	-1.388	-0.0007	-2.5 to 2.5	Pass
				10	12	1.774	0.0009	-2.5 to 2.5	Pass
				30	12	0.629	0.0003	-2.5 to 2.5	Pass
				40	12	-5.465	-0.0029	-2.5 to 2.5	Pass
				50	12	1.760	0.0009	-2.5 to 2.5	Pass
	1914.3	6	0	20	10.8	-1.988	-0.0010	-2.5 to 2.5	Pass
					12	-1.945	-0.0010	-2.5 to 2.5	Pass
					13.2	1.159	0.0006	-2.5 to 2.5	Pass
				-30	12	-3.676	-0.0019	-2.5 to 2.5	Pass
				-20	12	-0.458	-0.0002	-2.5 to 2.5	Pass
				-10	12	-0.358	-0.0002	-2.5 to 2.5	Pass
				0	12	3.376	0.0018	-2.5 to 2.5	Pass
				10	12	0.186	0.0001	-2.5 to 2.5	Pass



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				30	12	0.429	0.0002	-2.5 to 2.5	Pass
				40	12	-1.903	-0.0010	-2.5 to 2.5	Pass
				50	12	-0.973	-0.0005	-2.5 to 2.5	Pass
256QAM	1850.7	6	0	20	10.8	1.388	0.0007	-2.5 to 2.5	Pass
					12	8.512	0.0046	-2.5 to 2.5	Pass
					13.2	4.935	0.0027	-2.5 to 2.5	Pass
				-30	12	5.322	0.0029	-2.5 to 2.5	Pass
				-20	12	4.048	0.0022	-2.5 to 2.5	Pass
				-10	12	3.018	0.0016	-2.5 to 2.5	Pass
				0	12	0.501	0.0003	-2.5 to 2.5	Pass
				10	12	2.503	0.0014	-2.5 to 2.5	Pass
				30	12	1.745	0.0009	-2.5 to 2.5	Pass
				40	12	4.549	0.0025	-2.5 to 2.5	Pass
				50	12	2.389	0.0013	-2.5 to 2.5	Pass
	1882.5	6	0	20	10.8	0.443	0.0002	-2.5 to 2.5	Pass
					12	-0.529	-0.0003	-2.5 to 2.5	Pass
					13.2	-2.761	-0.0015	-2.5 to 2.5	Pass
				-30	12	0.000	0.0000	-2.5 to 2.5	Pass
				-20	12	1.659	0.0009	-2.5 to 2.5	Pass
				-10	12	3.190	0.0017	-2.5 to 2.5	Pass
				0	12	4.506	0.0024	-2.5 to 2.5	Pass
				10	12	4.778	0.0025	-2.5 to 2.5	Pass
				30	12	3.591	0.0019	-2.5 to 2.5	Pass
				40	12	1.416	0.0008	-2.5 to 2.5	Pass
				50	12	6.752	0.0036	-2.5 to 2.5	Pass
	1914.3	6	0	20	10.8	3.333	0.0017	-2.5 to 2.5	Pass
					12	5.536	0.0029	-2.5 to 2.5	Pass
					13.2	1.473	0.0008	-2.5 to 2.5	Pass
				-30	12	-2.418	-0.0013	-2.5 to 2.5	Pass
				-20	12	-1.445	-0.0008	-2.5 to 2.5	Pass
				-10	12	4.063	0.0021	-2.5 to 2.5	Pass
				0	12	-5.808	-0.0030	-2.5 to 2.5	Pass
				10	12	1.874	0.0010	-2.5 to 2.5	Pass
				30	12	1.144	0.0006	-2.5 to 2.5	Pass
				40	12	-0.572	-0.0003	-2.5 to 2.5	Pass
				50	12	-3.290	-0.0017	-2.5 to 2.5	Pass

5.2 B25_3MHz

5.2.1 Test Result

Band: 25 / 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	10.8	0.472	0.0003	-2.5 to 2.5	Pass
					12	5.636	0.0030	-2.5 to 2.5	Pass
					13.2	1.631	0.0009	-2.5 to 2.5	Pass
				-30	12	-4.206	-0.0023	-2.5 to 2.5	Pass
				-20	12	-1.659	-0.0009	-2.5 to 2.5	Pass
				-10	12	-3.405	-0.0018	-2.5 to 2.5	Pass
				0	12	4.249	0.0023	-2.5 to 2.5	Pass
				10	12	6.022	0.0033	-2.5 to 2.5	Pass



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+86-512 57350888 +86-512 57370911 www.sgs.com.cn

+86-512 57350888 +86-512 57370911 sgs.china@sgs.com

				30	12	1.187	0.0006	-2.5 to 2.5	Pass
				40	12	-6.466	-0.0035	-2.5 to 2.5	Pass
				50	12	-3.247	-0.0018	-2.5 to 2.5	Pass
1882.5	15	0		20	10.8	3.719	0.0020	-2.5 to 2.5	Pass
					12	-3.376	-0.0018	-2.5 to 2.5	Pass
					13.2	-3.605	-0.0019	-2.5 to 2.5	Pass
				-30	12	-0.329	-0.0002	-2.5 to 2.5	Pass
				-20	12	-6.022	-0.0032	-2.5 to 2.5	Pass
				-10	12	-3.848	-0.0020	-2.5 to 2.5	Pass
				0	12	-0.973	-0.0005	-2.5 to 2.5	Pass
				10	12	-1.330	-0.0007	-2.5 to 2.5	Pass
				30	12	0.057	0.0000	-2.5 to 2.5	Pass
				40	12	-1.187	-0.0006	-2.5 to 2.5	Pass
				50	12	1.330	0.0007	-2.5 to 2.5	Pass
				20	10.8	-0.558	-0.0003	-2.5 to 2.5	Pass
					12	-0.672	-0.0004	-2.5 to 2.5	Pass
					13.2	-2.561	-0.0013	-2.5 to 2.5	Pass
				-30	12	-1.802	-0.0009	-2.5 to 2.5	Pass
				-20	12	3.061	0.0016	-2.5 to 2.5	Pass
				-10	12	3.219	0.0017	-2.5 to 2.5	Pass
				0	12	-3.076	-0.0016	-2.5 to 2.5	Pass
				10	12	2.003	0.0010	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	10.8	0.815	0.0004	-2.5 to 2.5	Pass
					12	-0.815	-0.0004	-2.5 to 2.5	Pass
					13.2	0.186	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.232	-0.0012	-2.5 to 2.5	Pass
				-20	12	-4.206	-0.0023	-2.5 to 2.5	Pass
				-10	12	3.762	0.0020	-2.5 to 2.5	Pass
				0	12	-0.644	-0.0003	-2.5 to 2.5	Pass
				10	12	-2.518	-0.0014	-2.5 to 2.5	Pass
				30	12	1.373	0.0007	-2.5 to 2.5	Pass
				40	12	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	12	-1.316	-0.0007	-2.5 to 2.5	Pass
	1882.5	15	0	20	10.8	-1.802	-0.0010	-2.5 to 2.5	Pass
					12	-4.020	-0.0021	-2.5 to 2.5	Pass
					13.2	1.802	0.0010	-2.5 to 2.5	Pass
				-30	12	-2.289	-0.0012	-2.5 to 2.5	Pass
				-20	12	-2.847	-0.0015	-2.5 to 2.5	Pass
				-10	12	1.402	0.0007	-2.5 to 2.5	Pass
				0	12	-0.601	-0.0003	-2.5 to 2.5	Pass
				10	12	-1.216	-0.0006	-2.5 to 2.5	Pass
				30	12	-6.409	-0.0034	-2.5 to 2.5	Pass
				40	12	-2.961	-0.0016	-2.5 to 2.5	Pass
				50	12	-1.445	-0.0008	-2.5 to 2.5	Pass
	1913.5	15	0	20	10.8	0.815	0.0004	-2.5 to 2.5	Pass
					12	0.801	0.0004	-2.5 to 2.5	Pass
					13.2	-1.359	-0.0007	-2.5 to 2.5	Pass
				-30	12	-2.518	-0.0013	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	12	-0.443	-0.0002	-2.5 to 2.5	Pass
				0	12	5.164	0.0027	-2.5 to 2.5	Pass



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				10	12	2.532	0.0013	-2.5 to 2.5	Pass
				30	12	4.992	0.0026	-2.5 to 2.5	Pass
				40	12	-2.604	-0.0014	-2.5 to 2.5	Pass
				50	12	1.245	0.0007	-2.5 to 2.5	Pass
64QAM	1851.5	15	0	20	10.8	4.220	0.0023	-2.5 to 2.5	Pass
					12	-4.392	-0.0024	-2.5 to 2.5	Pass
					13.2	-0.544	-0.0003	-2.5 to 2.5	Pass
				-30	12	-1.774	-0.0010	-2.5 to 2.5	Pass
				-20	12	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	12	-2.432	-0.0013	-2.5 to 2.5	Pass
				0	12	-0.944	-0.0005	-2.5 to 2.5	Pass
				10	12	-2.632	-0.0014	-2.5 to 2.5	Pass
				30	12	-1.688	-0.0009	-2.5 to 2.5	Pass
				40	12	-4.020	-0.0022	-2.5 to 2.5	Pass
				50	12	-0.014	0.0000	-2.5 to 2.5	Pass
				1882.5	15	0	20	10.8	-0.701
	12	-0.973	-0.0005					-2.5 to 2.5	Pass
	13.2	-0.072	0.0000					-2.5 to 2.5	Pass
	-30	12	-0.472				-0.0003	-2.5 to 2.5	Pass
	-20	12	0.930				0.0005	-2.5 to 2.5	Pass
	-10	12	-4.349				-0.0023	-2.5 to 2.5	Pass
	0	12	-3.405				-0.0018	-2.5 to 2.5	Pass
	10	12	-3.190				-0.0017	-2.5 to 2.5	Pass
	30	12	-1.788				-0.0009	-2.5 to 2.5	Pass
	40	12	-3.161				-0.0017	-2.5 to 2.5	Pass
	50	12	-6.938				-0.0037	-2.5 to 2.5	Pass
	1913.5	15	0				20	10.8	2.532
				12	0.987	0.0005		-2.5 to 2.5	Pass
				13.2	1.717	0.0009		-2.5 to 2.5	Pass
				-30	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	12	-1.459	-0.0008	-2.5 to 2.5	Pass
				-10	12	-1.731	-0.0009	-2.5 to 2.5	Pass
				0	12	1.416	0.0007	-2.5 to 2.5	Pass
				10	12	4.606	0.0024	-2.5 to 2.5	Pass
				30	12	1.016	0.0005	-2.5 to 2.5	Pass
				40	12	-1.702	-0.0009	-2.5 to 2.5	Pass
50				12	-2.146	-0.0011	-2.5 to 2.5	Pass	
256QAM				1851.5	15	0	20	10.8	-0.014
	12	0.858	0.0005					-2.5 to 2.5	Pass
	13.2	-1.888	-0.0010					-2.5 to 2.5	Pass
	-30	12	-5.293				-0.0029	-2.5 to 2.5	Pass
	-20	12	1.130				0.0006	-2.5 to 2.5	Pass
	-10	12	3.791				0.0020	-2.5 to 2.5	Pass
	0	12	6.194				0.0033	-2.5 to 2.5	Pass
	10	12	4.964				0.0027	-2.5 to 2.5	Pass
	30	12	6.337				0.0034	-2.5 to 2.5	Pass
	40	12	7.482				0.0040	-2.5 to 2.5	Pass
	50	12	5.479				0.0030	-2.5 to 2.5	Pass
	1882.5	15	0				20	10.8	-1.144
				12	-5.193	-0.0028		-2.5 to 2.5	Pass
				13.2	3.190	0.0017		-2.5 to 2.5	Pass
				-30	12	-4.134	-0.0022	-2.5 to 2.5	Pass
				-20	12	-6.766	-0.0036	-2.5 to 2.5	Pass
				-10	12	0.887	0.0005	-2.5 to 2.5	Pass



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				0	12	1.659	0.0009	-2.5 to 2.5	Pass
				10	12	3.476	0.0018	-2.5 to 2.5	Pass
				30	12	-0.987	-0.0005	-2.5 to 2.5	Pass
				40	12	-1.960	-0.0010	-2.5 to 2.5	Pass
				50	12	5.822	0.0031	-2.5 to 2.5	Pass
	1913.5	15	0	20	10.8	-6.180	-0.0032	-2.5 to 2.5	Pass
					12	-0.501	-0.0003	-2.5 to 2.5	Pass
					13.2	0.944	0.0005	-2.5 to 2.5	Pass
				-30	12	0.958	0.0005	-2.5 to 2.5	Pass
				-20	12	0.501	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.458	-0.0002	-2.5 to 2.5	Pass
				0	12	3.290	0.0017	-2.5 to 2.5	Pass
				10	12	-0.815	-0.0004	-2.5 to 2.5	Pass
				30	12	-1.216	-0.0006	-2.5 to 2.5	Pass
				40	12	4.449	0.0023	-2.5 to 2.5	Pass
				50	12	1.402	0.0007	-2.5 to 2.5	Pass

5.3 B25_5MHz

5.3.1 Test Result

Band: 25 / 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	10.8	5.050	0.0027	-2.5 to 2.5	Pass
					12	2.260	0.0012	-2.5 to 2.5	Pass
					13.2	-2.146	-0.0012	-2.5 to 2.5	Pass
				-30	12	5.221	0.0028	-2.5 to 2.5	Pass
				-20	12	-1.717	-0.0009	-2.5 to 2.5	Pass
				-10	12	3.576	0.0019	-2.5 to 2.5	Pass
				0	12	3.619	0.0020	-2.5 to 2.5	Pass
				10	12	2.174	0.0012	-2.5 to 2.5	Pass
				30	12	0.973	0.0005	-2.5 to 2.5	Pass
				40	12	0.701	0.0004	-2.5 to 2.5	Pass
	1882.5	25	0	20	10.8	-1.316	-0.0007	-2.5 to 2.5	Pass
					12	2.575	0.0014	-2.5 to 2.5	Pass
					13.2	1.216	0.0006	-2.5 to 2.5	Pass
				-30	12	0.629	0.0003	-2.5 to 2.5	Pass
				-20	12	5.207	0.0028	-2.5 to 2.5	Pass
				-10	12	1.159	0.0006	-2.5 to 2.5	Pass
				0	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	12	3.133	0.0017	-2.5 to 2.5	Pass
				30	12	0.887	0.0005	-2.5 to 2.5	Pass
				40	12	1.388	0.0007	-2.5 to 2.5	Pass
	1912.5	25	0	20	10.8	-1.388	-0.0007	-2.5 to 2.5	Pass
					12	0.544	0.0003	-2.5 to 2.5	Pass
					13.2	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	12	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	12	2.074	0.0011	-2.5 to 2.5	Pass



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				0	12	1.745	0.0009	-2.5 to 2.5	Pass
				10	12	-0.300	-0.0002	-2.5 to 2.5	Pass
				30	12	-3.333	-0.0017	-2.5 to 2.5	Pass
				40	12	1.831	0.0010	-2.5 to 2.5	Pass
				50	12	2.604	0.0014	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	10.8	3.047	0.0016	-2.5 to 2.5	Pass
					12	1.602	0.0009	-2.5 to 2.5	Pass
					13.2	4.535	0.0024	-2.5 to 2.5	Pass
				-30	12	4.034	0.0022	-2.5 to 2.5	Pass
				-20	12	-1.230	-0.0007	-2.5 to 2.5	Pass
				-10	12	1.888	0.0010	-2.5 to 2.5	Pass
				0	12	2.275	0.0012	-2.5 to 2.5	Pass
				10	12	1.588	0.0009	-2.5 to 2.5	Pass
				30	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	12	2.289	0.0012	-2.5 to 2.5	Pass
	50	12	1.259	0.0007	-2.5 to 2.5	Pass			
	1882.5	25	0	20	10.8	2.389	0.0013	-2.5 to 2.5	Pass
					12	2.275	0.0012	-2.5 to 2.5	Pass
					13.2	2.933	0.0016	-2.5 to 2.5	Pass
				-30	12	1.445	0.0008	-2.5 to 2.5	Pass
				-20	12	1.473	0.0008	-2.5 to 2.5	Pass
				-10	12	1.616	0.0009	-2.5 to 2.5	Pass
				0	12	2.332	0.0012	-2.5 to 2.5	Pass
				10	12	4.663	0.0025	-2.5 to 2.5	Pass
				30	12	1.030	0.0005	-2.5 to 2.5	Pass
				40	12	4.206	0.0022	-2.5 to 2.5	Pass
	50	12	4.163	0.0022	-2.5 to 2.5	Pass			
	1912.5	25	0	20	10.8	6.380	0.0033	-2.5 to 2.5	Pass
					12	4.950	0.0026	-2.5 to 2.5	Pass
					13.2	0.672	0.0004	-2.5 to 2.5	Pass
				-30	12	1.173	0.0006	-2.5 to 2.5	Pass
				-20	12	5.436	0.0028	-2.5 to 2.5	Pass
				-10	12	5.636	0.0029	-2.5 to 2.5	Pass
				0	12	5.708	0.0030	-2.5 to 2.5	Pass
				10	12	3.476	0.0018	-2.5 to 2.5	Pass
30				12	2.689	0.0014	-2.5 to 2.5	Pass	
40				12	6.008	0.0031	-2.5 to 2.5	Pass	
50	12	-0.715	-0.0004	-2.5 to 2.5	Pass				
64QAM	1852.5	25	0	20	10.8	4.864	0.0026	-2.5 to 2.5	Pass
					12	2.689	0.0015	-2.5 to 2.5	Pass
					13.2	5.078	0.0027	-2.5 to 2.5	Pass
				-30	12	4.606	0.0025	-2.5 to 2.5	Pass
				-20	12	-0.672	-0.0004	-2.5 to 2.5	Pass
				-10	12	1.287	0.0007	-2.5 to 2.5	Pass
				0	12	4.892	0.0026	-2.5 to 2.5	Pass
				10	12	2.818	0.0015	-2.5 to 2.5	Pass
				30	12	2.003	0.0011	-2.5 to 2.5	Pass
				40	12	3.591	0.0019	-2.5 to 2.5	Pass
	50	12	1.431	0.0008	-2.5 to 2.5	Pass			
	1882.5	25	0	20	10.8	0.644	0.0003	-2.5 to 2.5	Pass
					12	-1.817	-0.0010	-2.5 to 2.5	Pass
					13.2	1.030	0.0005	-2.5 to 2.5	Pass
				-30	12	10.86	0.0017	-2.5 to 2.5	Pass
				-20	12	2.332	0.0012	-2.5 to 2.5	Pass



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				-10	12	0.300	0.0002	-2.5 to 2.5	Pass
				0	12	3.719	0.0020	-2.5 to 2.5	Pass
				10	12	-1.473	-0.0008	-2.5 to 2.5	Pass
				30	12	4.592	0.0024	-2.5 to 2.5	Pass
				40	12	0.343	0.0002	-2.5 to 2.5	Pass
				50	12	2.174	0.0012	-2.5 to 2.5	Pass
	1912.5	25	0	20	10.8	2.618	0.0014	-2.5 to 2.5	Pass
					12	1.001	0.0005	-2.5 to 2.5	Pass
					13.2	-0.987	-0.0005	-2.5 to 2.5	Pass
				-30	12	5.722	0.0030	-2.5 to 2.5	Pass
				-20	12	1.345	0.0007	-2.5 to 2.5	Pass
				-10	12	2.689	0.0014	-2.5 to 2.5	Pass
				0	12	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	12	1.202	0.0006	-2.5 to 2.5	Pass
				30	12	6.094	0.0032	-2.5 to 2.5	Pass
				40	12	0.587	0.0003	-2.5 to 2.5	Pass
				50	12	5.951	0.0031	-2.5 to 2.5	Pass
256QAM	1852.5	25	0	20	10.8	4.592	0.0025	-2.5 to 2.5	Pass
					12	1.602	0.0009	-2.5 to 2.5	Pass
					13.2	2.160	0.0012	-2.5 to 2.5	Pass
				-30	12	0.887	0.0005	-2.5 to 2.5	Pass
				-20	12	2.146	0.0012	-2.5 to 2.5	Pass
				-10	12	3.190	0.0017	-2.5 to 2.5	Pass
				0	12	4.449	0.0024	-2.5 to 2.5	Pass
				10	12	3.448	0.0019	-2.5 to 2.5	Pass
				30	12	-0.916	-0.0005	-2.5 to 2.5	Pass
				40	12	-1.717	-0.0009	-2.5 to 2.5	Pass
				50	12	0.215	0.0001	-2.5 to 2.5	Pass
	1882.5	25	0	20	10.8	4.148	0.0022	-2.5 to 2.5	Pass
					12	5.393	0.0029	-2.5 to 2.5	Pass
					13.2	4.349	0.0023	-2.5 to 2.5	Pass
				-30	12	-0.501	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.174	0.0012	-2.5 to 2.5	Pass
				-10	12	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	12	8.154	0.0043	-2.5 to 2.5	Pass
				10	12	0.386	0.0002	-2.5 to 2.5	Pass
				30	12	2.575	0.0014	-2.5 to 2.5	Pass
				40	12	1.817	0.0010	-2.5 to 2.5	Pass
				50	12	-2.317	-0.0012	-2.5 to 2.5	Pass
	1912.5	25	0	20	10.8	3.777	0.0020	-2.5 to 2.5	Pass
					12	4.234	0.0022	-2.5 to 2.5	Pass
					13.2	5.250	0.0027	-2.5 to 2.5	Pass
				-30	12	6.437	0.0034	-2.5 to 2.5	Pass
				-20	12	-2.332	-0.0012	-2.5 to 2.5	Pass
				-10	12	6.509	0.0034	-2.5 to 2.5	Pass
				0	12	1.988	0.0010	-2.5 to 2.5	Pass
				10	12	2.589	0.0014	-2.5 to 2.5	Pass
				30	12	-2.017	-0.0011	-2.5 to 2.5	Pass
				40	12	0.486	0.0003	-2.5 to 2.5	Pass
				50	12	6.809	0.0036	-2.5 to 2.5	Pass

5.4 B25_10MHz



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5.4.1 Test Result

Band: 25 / 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	10.8	-0.901	-0.0005	-2.5 to 2.5	Pass
					12	-4.907	-0.0026	-2.5 to 2.5	Pass
					13.2	-1.960	-0.0011	-2.5 to 2.5	Pass
				-30	12	-3.290	-0.0018	-2.5 to 2.5	Pass
				-20	12	2.489	0.0013	-2.5 to 2.5	Pass
				-10	12	-1.874	-0.0010	-2.5 to 2.5	Pass
				0	12	-1.588	-0.0009	-2.5 to 2.5	Pass
				10	12	0.815	0.0004	-2.5 to 2.5	Pass
				30	12	5.593	0.0030	-2.5 to 2.5	Pass
				40	12	-1.831	-0.0010	-2.5 to 2.5	Pass
	1882.5	50	0	20	10.8	2.089	0.0011	-2.5 to 2.5	Pass
					12	1.402	0.0007	-2.5 to 2.5	Pass
					13.2	2.332	0.0012	-2.5 to 2.5	Pass
				-30	12	1.359	0.0007	-2.5 to 2.5	Pass
				-20	12	0.529	0.0003	-2.5 to 2.5	Pass
				-10	12	4.735	0.0025	-2.5 to 2.5	Pass
				0	12	1.087	0.0006	-2.5 to 2.5	Pass
				10	12	3.047	0.0016	-2.5 to 2.5	Pass
				30	12	0.029	0.0000	-2.5 to 2.5	Pass
				40	12	1.202	0.0006	-2.5 to 2.5	Pass
	1910	50	0	20	10.8	-0.401	-0.0002	-2.5 to 2.5	Pass
					12	2.260	0.0012	-2.5 to 2.5	Pass
					13.2	0.429	0.0002	-2.5 to 2.5	Pass
				-30	12	1.230	0.0006	-2.5 to 2.5	Pass
				-20	12	0.629	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.443	-0.0002	-2.5 to 2.5	Pass
				0	12	4.463	0.0023	-2.5 to 2.5	Pass
				10	12	7.181	0.0038	-2.5 to 2.5	Pass
				30	12	4.077	0.0021	-2.5 to 2.5	Pass
				40	12	5.593	0.0029	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	10.8	4.621	0.0025	-2.5 to 2.5	Pass
					12	4.764	0.0026	-2.5 to 2.5	Pass
					13.2	2.975	0.0016	-2.5 to 2.5	Pass
				-30	12	2.418	0.0013	-2.5 to 2.5	Pass
				-20	12	3.705	0.0020	-2.5 to 2.5	Pass
				-10	12	-0.758	-0.0004	-2.5 to 2.5	Pass
				0	12	6.323	0.0034	-2.5 to 2.5	Pass
				10	12	2.961	0.0016	-2.5 to 2.5	Pass
				30	12	4.048	0.0022	-2.5 to 2.5	Pass
				40	12	0.987	0.0005	-2.5 to 2.5	Pass
	1882.5	50	0	20	10.8	1.144	0.0006	-2.5 to 2.5	Pass
					12	0.830	0.0004	-2.5 to 2.5	Pass
					13.2	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	12	2.389	0.0013	-2.5 to 2.5	Pass
				-20	12	0.587	0.0003	-2.5 to 2.5	Pass
				20	10.8	1.144	0.0006	-2.5 to 2.5	Pass
					12	0.830	0.0004	-2.5 to 2.5	Pass
					13.2	-0.215	-0.0001	-2.5 to 2.5	Pass



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				-10	12	1.431	0.0008	-2.5 to 2.5	Pass
				0	12	1.831	0.0010	-2.5 to 2.5	Pass
				10	12	1.945	0.0010	-2.5 to 2.5	Pass
				30	12	4.334	0.0023	-2.5 to 2.5	Pass
				40	12	2.761	0.0015	-2.5 to 2.5	Pass
				50	12	5.779	0.0031	-2.5 to 2.5	Pass
	1910	50	0	20	10.8	7.138	0.0037	-2.5 to 2.5	Pass
					12	5.794	0.0030	-2.5 to 2.5	Pass
					13.2	5.093	0.0027	-2.5 to 2.5	Pass
				-30	12	-0.086	0.0000	-2.5 to 2.5	Pass
				-20	12	-0.086	0.0000	-2.5 to 2.5	Pass
				-10	12	-2.074	-0.0011	-2.5 to 2.5	Pass
				0	12	-0.830	-0.0004	-2.5 to 2.5	Pass
				10	12	-4.635	-0.0024	-2.5 to 2.5	Pass
				30	12	1.402	0.0007	-2.5 to 2.5	Pass
				40	12	1.259	0.0007	-2.5 to 2.5	Pass
				50	12	2.947	0.0015	-2.5 to 2.5	Pass
64QAM	1855	50	0	20	10.8	3.877	0.0021	-2.5 to 2.5	Pass
					12	2.947	0.0016	-2.5 to 2.5	Pass
					13.2	1.645	0.0009	-2.5 to 2.5	Pass
				-30	12	1.745	0.0009	-2.5 to 2.5	Pass
				-20	12	1.860	0.0010	-2.5 to 2.5	Pass
				-10	12	-0.644	-0.0003	-2.5 to 2.5	Pass
				0	12	1.659	0.0009	-2.5 to 2.5	Pass
				10	12	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	12	1.760	0.0009	-2.5 to 2.5	Pass
				40	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	12	-1.674	-0.0009	-2.5 to 2.5	Pass
	1882.5	50	0	20	10.8	4.191	0.0022	-2.5 to 2.5	Pass
					12	4.063	0.0022	-2.5 to 2.5	Pass
					13.2	1.502	0.0008	-2.5 to 2.5	Pass
				-30	12	0.486	0.0003	-2.5 to 2.5	Pass
				-20	12	0.958	0.0005	-2.5 to 2.5	Pass
				-10	12	1.745	0.0009	-2.5 to 2.5	Pass
				0	12	1.202	0.0006	-2.5 to 2.5	Pass
				10	12	3.362	0.0018	-2.5 to 2.5	Pass
				30	12	1.259	0.0007	-2.5 to 2.5	Pass
				40	12	1.359	0.0007	-2.5 to 2.5	Pass
				50	12	0.930	0.0005	-2.5 to 2.5	Pass
	1910	50	0	20	10.8	0.257	0.0001	-2.5 to 2.5	Pass
					12	-1.788	-0.0009	-2.5 to 2.5	Pass
					13.2	1.702	0.0009	-2.5 to 2.5	Pass
				-30	12	1.302	0.0007	-2.5 to 2.5	Pass
				-20	12	0.000	0.0000	-2.5 to 2.5	Pass
				-10	12	2.117	0.0011	-2.5 to 2.5	Pass
				0	12	0.100	0.0001	-2.5 to 2.5	Pass
				10	12	1.402	0.0007	-2.5 to 2.5	Pass
				30	12	4.134	0.0022	-2.5 to 2.5	Pass
				40	12	-0.315	-0.0002	-2.5 to 2.5	Pass
				50	12	-2.604	-0.0014	-2.5 to 2.5	Pass
256QAM	1855	50	0	20	10.8	1.659	0.0009	-2.5 to 2.5	Pass
					12	-2.303	-0.0012	-2.5 to 2.5	Pass
					13.2	-2.217	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.615	0.0003	-2.5 to 2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

0085-51215735088 006-51215737010 www.sgs.com.cn
0085-51215735088 006-51215737010 sgs.china@sgs.com

				-20	12	-2.289	-0.0012	-2.5 to 2.5	Pass
				-10	12	0.672	0.0004	-2.5 to 2.5	Pass
				0	12	0.243	0.0001	-2.5 to 2.5	Pass
				10	12	-2.861	-0.0015	-2.5 to 2.5	Pass
				30	12	0.000	0.0000	-2.5 to 2.5	Pass
				40	12	1.674	0.0009	-2.5 to 2.5	Pass
				50	12	1.974	0.0011	-2.5 to 2.5	Pass
	1882.5	50	0	20	10.8	-0.944	-0.0005	-2.5 to 2.5	Pass
					12	3.490	0.0019	-2.5 to 2.5	Pass
					13.2	3.505	0.0019	-2.5 to 2.5	Pass
				-30	12	-1.974	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.415	0.0002	-2.5 to 2.5	Pass
				-10	12	-1.159	-0.0006	-2.5 to 2.5	Pass
				0	12	4.106	0.0022	-2.5 to 2.5	Pass
				10	12	-0.086	0.0000	-2.5 to 2.5	Pass
				30	12	2.904	0.0015	-2.5 to 2.5	Pass
				40	12	1.431	0.0008	-2.5 to 2.5	Pass
				50	12	-0.644	-0.0003	-2.5 to 2.5	Pass
	1910	50	0	20	10.8	-1.073	-0.0006	-2.5 to 2.5	Pass
					12	-0.801	-0.0004	-2.5 to 2.5	Pass
					13.2	2.189	0.0011	-2.5 to 2.5	Pass
				-30	12	-0.472	-0.0002	-2.5 to 2.5	Pass
				-20	12	0.415	0.0002	-2.5 to 2.5	Pass
				-10	12	-0.916	-0.0005	-2.5 to 2.5	Pass
				0	12	1.030	0.0005	-2.5 to 2.5	Pass
				10	12	1.330	0.0007	-2.5 to 2.5	Pass
				30	12	-0.429	-0.0002	-2.5 to 2.5	Pass
				40	12	-2.475	-0.0013	-2.5 to 2.5	Pass
				50	12	-2.904	-0.0015	-2.5 to 2.5	Pass

5.5 B25_15MHz

5.5.1 Test Result

Band: 25 / 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	10.8	2.718	0.0015	-2.5 to 2.5	Pass
					12	-0.787	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.386	-0.0002	-2.5 to 2.5	Pass
				-30	12	-0.973	-0.0005	-2.5 to 2.5	Pass
				-20	12	-0.515	-0.0003	-2.5 to 2.5	Pass
				-10	12	0.272	0.0001	-2.5 to 2.5	Pass
				0	12	-3.161	-0.0017	-2.5 to 2.5	Pass
				10	12	2.503	0.0013	-2.5 to 2.5	Pass
				30	12	-1.173	-0.0006	-2.5 to 2.5	Pass
				40	12	-1.974	-0.0011	-2.5 to 2.5	Pass
				50	12	-1.559	-0.0008	-2.5 to 2.5	Pass
	1882.5	75	0	20	10.8	-3.934	-0.0021	-2.5 to 2.5	Pass
					12	-1.316	-0.0007	-2.5 to 2.5	Pass
					13.2	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	12	-0.143	-0.0001	-2.5 to 2.5	Pass



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				-20	12	-0.029	0.0000	-2.5 to 2.5	Pass			
				-10	12	-3.934	-0.0021	-2.5 to 2.5	Pass			
				0	12	-2.232	-0.0012	-2.5 to 2.5	Pass			
				10	12	0.014	0.0000	-2.5 to 2.5	Pass			
				30	12	-0.944	-0.0005	-2.5 to 2.5	Pass			
				40	12	-2.561	-0.0014	-2.5 to 2.5	Pass			
				50	12	1.831	0.0010	-2.5 to 2.5	Pass			
	1907.5	75	0	20	10.8	-3.347	-0.0018	-2.5 to 2.5	Pass			
					12	-0.730	-0.0004	-2.5 to 2.5	Pass			
					13.2	-2.832	-0.0015	-2.5 to 2.5	Pass			
				-30	12	-1.531	-0.0008	-2.5 to 2.5	Pass			
				-20	12	-1.802	-0.0009	-2.5 to 2.5	Pass			
				-10	12	-3.119	-0.0016	-2.5 to 2.5	Pass			
				0	12	-1.774	-0.0009	-2.5 to 2.5	Pass			
				10	12	-1.974	-0.0010	-2.5 to 2.5	Pass			
				30	12	0.486	0.0003	-2.5 to 2.5	Pass			
				40	12	4.535	0.0024	-2.5 to 2.5	Pass			
				50	12	0.958	0.0005	-2.5 to 2.5	Pass			
16QAM	1857.5	75	0	20	10.8	0.315	0.0002	-2.5 to 2.5	Pass			
					12	-1.988	-0.0011	-2.5 to 2.5	Pass			
					13.2	-0.401	-0.0002	-2.5 to 2.5	Pass			
				-30	12	2.089	0.0011	-2.5 to 2.5	Pass			
				-20	12	0.958	0.0005	-2.5 to 2.5	Pass			
				-10	12	0.129	0.0001	-2.5 to 2.5	Pass			
				0	12	1.187	0.0006	-2.5 to 2.5	Pass			
				10	12	1.802	0.0010	-2.5 to 2.5	Pass			
				30	12	-0.844	-0.0005	-2.5 to 2.5	Pass			
				40	12	-2.503	-0.0013	-2.5 to 2.5	Pass			
				50	12	1.316	0.0007	-2.5 to 2.5	Pass			
				1882.5	75	0	20	10.8	0.501	0.0003	-2.5 to 2.5	Pass
								12	-2.861	-0.0015	-2.5 to 2.5	Pass
	13.2	-1.488	-0.0008					-2.5 to 2.5	Pass			
	-30	12	-4.206				-0.0022	-2.5 to 2.5	Pass			
	-20	12	1.173				0.0006	-2.5 to 2.5	Pass			
	-10	12	-2.403				-0.0013	-2.5 to 2.5	Pass			
	0	12	-2.904				-0.0015	-2.5 to 2.5	Pass			
	10	12	-1.416				-0.0008	-2.5 to 2.5	Pass			
	30	12	0.601				0.0003	-2.5 to 2.5	Pass			
	40	12	1.502				0.0008	-2.5 to 2.5	Pass			
	50	12	0.315				0.0002	-2.5 to 2.5	Pass			
	1907.5	75	0				20	10.8	-1.731	-0.0009	-2.5 to 2.5	Pass
								12	-1.345	-0.0007	-2.5 to 2.5	Pass
				13.2	-0.286	-0.0001		-2.5 to 2.5	Pass			
				-30	12	3.948	0.0021	-2.5 to 2.5	Pass			
				-20	12	0.730	0.0004	-2.5 to 2.5	Pass			
				-10	12	0.815	0.0004	-2.5 to 2.5	Pass			
				0	12	1.059	0.0006	-2.5 to 2.5	Pass			
				10	12	-1.245	-0.0007	-2.5 to 2.5	Pass			
30				12	2.818	0.0015	-2.5 to 2.5	Pass				
40				12	-0.315	-0.0002	-2.5 to 2.5	Pass				
50				12	3.247	0.0017	-2.5 to 2.5	Pass				
64QAM				1857.5	75	0	20	10.8	-1.774	-0.0010	-2.5 to 2.5	Pass
								12	-0.372	-0.0002	-2.5 to 2.5	Pass
	13.2	-2.203	-0.0012					-2.5 to 2.5	Pass			



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86-5125735888 86-5125737011 sgs.china@sgs.com

				-30	12	0.172	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				-10	12	1.130	0.0006	-2.5 to 2.5	Pass
				0	12	-0.401	-0.0002	-2.5 to 2.5	Pass
				10	12	1.216	0.0007	-2.5 to 2.5	Pass
				30	12	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	12	1.631	0.0009	-2.5 to 2.5	Pass
				50	12	-2.403	-0.0013	-2.5 to 2.5	Pass
	1882.5	75	0	20	10.8	0.057	0.0000	-2.5 to 2.5	Pass
					12	2.546	0.0014	-2.5 to 2.5	Pass
					13.2	0.000	0.0000	-2.5 to 2.5	Pass
				-30	12	-2.246	-0.0012	-2.5 to 2.5	Pass
				-20	12	0.587	0.0003	-2.5 to 2.5	Pass
				-10	12	3.262	0.0017	-2.5 to 2.5	Pass
				0	12	0.458	0.0002	-2.5 to 2.5	Pass
				10	12	-0.758	-0.0004	-2.5 to 2.5	Pass
				30	12	-1.388	-0.0007	-2.5 to 2.5	Pass
				40	12	-0.644	-0.0003	-2.5 to 2.5	Pass
	50	12	-0.429	-0.0002	-2.5 to 2.5	Pass			
	1907.5	75	0	20	10.8	0.358	0.0002	-2.5 to 2.5	Pass
					12	0.415	0.0002	-2.5 to 2.5	Pass
					13.2	0.186	0.0001	-2.5 to 2.5	Pass
				-30	12	3.219	0.0017	-2.5 to 2.5	Pass
				-20	12	4.191	0.0022	-2.5 to 2.5	Pass
				-10	12	2.589	0.0014	-2.5 to 2.5	Pass
				0	12	-0.815	-0.0004	-2.5 to 2.5	Pass
				10	12	0.544	0.0003	-2.5 to 2.5	Pass
				30	12	-0.329	-0.0002	-2.5 to 2.5	Pass
				40	12	1.760	0.0009	-2.5 to 2.5	Pass
	50	12	6.065	0.0032	-2.5 to 2.5	Pass			
256QAM	1857.5	75	0	20	10.8	-4.063	-0.0022	-2.5 to 2.5	Pass
					12	3.004	0.0016	-2.5 to 2.5	Pass
					13.2	1.674	0.0009	-2.5 to 2.5	Pass
				-30	12	0.029	0.0000	-2.5 to 2.5	Pass
				-20	12	1.473	0.0008	-2.5 to 2.5	Pass
				-10	12	5.322	0.0029	-2.5 to 2.5	Pass
				0	12	1.130	0.0006	-2.5 to 2.5	Pass
				10	12	2.589	0.0014	-2.5 to 2.5	Pass
				30	12	2.890	0.0016	-2.5 to 2.5	Pass
				40	12	2.818	0.0015	-2.5 to 2.5	Pass
	50	12	-0.629	-0.0003	-2.5 to 2.5	Pass			
	1882.5	75	0	20	10.8	-1.874	-0.0010	-2.5 to 2.5	Pass
					12	-1.431	-0.0008	-2.5 to 2.5	Pass
					13.2	-2.217	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.358	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				-10	12	-2.060	-0.0011	-2.5 to 2.5	Pass
				0	12	-2.589	-0.0014	-2.5 to 2.5	Pass
				10	12	0.544	0.0003	-2.5 to 2.5	Pass
				30	12	0.229	0.0001	-2.5 to 2.5	Pass
				40	12	-2.990	-0.0016	-2.5 to 2.5	Pass
	50	12	-0.386	-0.0002	-2.5 to 2.5	Pass			
1907.5	75	0	20	10.8	3.433	0.0018	-2.5 to 2.5	Pass	
				12	3.762	0.0020	-2.5 to 2.5	Pass	



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No. 10, Waiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

086-51257356888 086-51257370010 www.sgsygroup.com.cn
086-51257356883 086-51257370011 sgs.china@sgs.com

				13.2	4.878	0.0026	-2.5 to 2.5	Pass
			-30	12	5.150	0.0027	-2.5 to 2.5	Pass
			-20	12	4.249	0.0022	-2.5 to 2.5	Pass
			-10	12	3.233	0.0017	-2.5 to 2.5	Pass
			0	12	5.364	0.0028	-2.5 to 2.5	Pass
			10	12	4.420	0.0023	-2.5 to 2.5	Pass
			30	12	-0.329	-0.0002	-2.5 to 2.5	Pass
			40	12	3.791	0.0020	-2.5 to 2.5	Pass
			50	12	5.150	0.0027	-2.5 to 2.5	Pass

5.6 B25_20MHz

5.6.1 Test Result

Band: 25 / 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	10.8	-1.187	-0.0006	-2.5 to 2.5	Pass
					12	-1.674	-0.0009	-2.5 to 2.5	Pass
					13.2	0.143	0.0001	-2.5 to 2.5	Pass
				-30	12	1.459	0.0008	-2.5 to 2.5	Pass
				-20	12	-4.849	-0.0026	-2.5 to 2.5	Pass
				-10	12	-0.916	-0.0005	-2.5 to 2.5	Pass
				0	12	2.775	0.0015	-2.5 to 2.5	Pass
				10	12	3.548	0.0019	-2.5 to 2.5	Pass
				30	12	2.675	0.0014	-2.5 to 2.5	Pass
				40	12	0.529	0.0003	-2.5 to 2.5	Pass
				50	12	0.830	0.0004	-2.5 to 2.5	Pass
	1882.5	100	0	20	10.8	0.129	0.0001	-2.5 to 2.5	Pass
					12	-0.844	-0.0004	-2.5 to 2.5	Pass
					13.2	-3.204	-0.0017	-2.5 to 2.5	Pass
				-30	12	-5.093	-0.0027	-2.5 to 2.5	Pass
				-20	12	-2.432	-0.0013	-2.5 to 2.5	Pass
				-10	12	0.644	0.0003	-2.5 to 2.5	Pass
				0	12	-1.488	-0.0008	-2.5 to 2.5	Pass
				10	12	-0.758	-0.0004	-2.5 to 2.5	Pass
				30	12	-3.462	-0.0018	-2.5 to 2.5	Pass
				40	12	-3.262	-0.0017	-2.5 to 2.5	Pass
				50	12	1.130	0.0006	-2.5 to 2.5	Pass
	1905	100	0	20	10.8	-0.501	-0.0003	-2.5 to 2.5	Pass
					12	3.390	0.0018	-2.5 to 2.5	Pass
					13.2	3.676	0.0019	-2.5 to 2.5	Pass
				-30	12	3.147	0.0017	-2.5 to 2.5	Pass
				-20	12	2.918	0.0015	-2.5 to 2.5	Pass
				-10	12	1.373	0.0007	-2.5 to 2.5	Pass
				0	12	2.017	0.0011	-2.5 to 2.5	Pass
				10	12	1.345	0.0007	-2.5 to 2.5	Pass
				30	12	0.257	0.0001	-2.5 to 2.5	Pass
				40	12	-0.072	0.0000	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	10.8	4.191	0.0023	-2.5 to 2.5	Pass
					12	-2.289	-0.0012	-2.5 to 2.5	Pass



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No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

(86-512)57350000 (86-512)57370011 www.sgs.com.cn
 (86-512)57350000 (86-512)57370011 sgs.china@sgs.com

64QAM					13.2	3.619	0.0019	-2.5 to 2.5	Pass
				-30	12	1.931	0.0010	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0007	-2.5 to 2.5	Pass
				-10	12	2.203	0.0012	-2.5 to 2.5	Pass
				0	12	2.489	0.0013	-2.5 to 2.5	Pass
				10	12	2.489	0.0013	-2.5 to 2.5	Pass
				30	12	2.275	0.0012	-2.5 to 2.5	Pass
				40	12	4.349	0.0023	-2.5 to 2.5	Pass
				50	12	0.300	0.0002	-2.5 to 2.5	Pass
	1882.5	100	0	20	10.8	-2.060	-0.0011	-2.5 to 2.5	Pass
					12	-4.907	-0.0026	-2.5 to 2.5	Pass
					13.2	-2.260	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				-20	12	-3.662	-0.0019	-2.5 to 2.5	Pass
				-10	12	-3.119	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				10	12	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	12	-2.832	-0.0015	-2.5 to 2.5	Pass
				40	12	-3.362	-0.0018	-2.5 to 2.5	Pass
				50	12	-0.544	-0.0003	-2.5 to 2.5	Pass
	1905	100	0	20	10.8	3.633	0.0019	-2.5 to 2.5	Pass
					12	-2.317	-0.0012	-2.5 to 2.5	Pass
					13.2	-1.917	-0.0010	-2.5 to 2.5	Pass
				-30	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				-20	12	0.715	0.0004	-2.5 to 2.5	Pass
				-10	12	3.691	0.0019	-2.5 to 2.5	Pass
				0	12	-0.787	-0.0004	-2.5 to 2.5	Pass
				10	12	3.004	0.0016	-2.5 to 2.5	Pass
				30	12	0.916	0.0005	-2.5 to 2.5	Pass
				40	12	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	12	3.648	0.0019	-2.5 to 2.5	Pass
	1860	100	0	20	10.8	2.246	0.0012	-2.5 to 2.5	Pass
					12	-0.658	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.801	-0.0004	-2.5 to 2.5	Pass
				-30	12	3.004	0.0016	-2.5 to 2.5	Pass
				-20	12	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	12	0.114	0.0001	-2.5 to 2.5	Pass
				0	12	-1.488	-0.0008	-2.5 to 2.5	Pass
				10	12	3.133	0.0017	-2.5 to 2.5	Pass
				30	12	1.073	0.0006	-2.5 to 2.5	Pass
				40	12	3.648	0.0020	-2.5 to 2.5	Pass
				50	12	5.064	0.0027	-2.5 to 2.5	Pass
	1882.5	100	0	20	10.8	-1.130	-0.0006	-2.5 to 2.5	Pass
					12	-1.645	-0.0009	-2.5 to 2.5	Pass
					13.2	-2.460	-0.0013	-2.5 to 2.5	Pass
				-30	12	0.715	0.0004	-2.5 to 2.5	Pass
				-20	12	-1.373	-0.0007	-2.5 to 2.5	Pass
				-10	12	-1.574	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.345	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.014	0.0000	-2.5 to 2.5	Pass
				30	12	-0.944	-0.0005	-2.5 to 2.5	Pass
				40	12	0.529	0.0003	-2.5 to 2.5	Pass
				50	12	-5.136	-0.0027	-2.5 to 2.5	Pass
	1905	100	0	20	10.8	0.229	0.0001	-2.5 to 2.5	Pass



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No. 18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

0085-512157350000 0085-512157370011 www.sgs.com.cn

0085-512157350000 0085-512157370011 sgs.china@sgs.com