

256QAM	1860	100	0		12	3.519	0.0018	-2.5 to 2.5	Pass
					13.2	2.933	0.0015	-2.5 to 2.5	Pass
					-30	12	5.550	0.0029	Pass
					-20	12	5.336	0.0028	Pass
					-10	12	2.303	0.0012	Pass
					0	12	1.917	0.0010	Pass
					10	12	1.345	0.0007	Pass
					30	12	2.446	0.0013	Pass
					40	12	1.845	0.0010	Pass
					50	12	0.515	0.0003	Pass
					20	10.8	1.888	0.0010	Pass
						12	2.332	0.0013	Pass
						13.2	1.531	0.0008	Pass
					-30	12	3.061	0.0016	Pass
					-20	12	3.390	0.0018	Pass
					-10	12	0.372	0.0002	Pass
					0	12	-3.061	-0.0016	Pass
					10	12	-4.306	-0.0023	Pass
					30	12	1.287	0.0007	Pass
					40	12	-2.761	-0.0015	Pass
					50	12	-2.875	-0.0015	Pass
256QAM	1882.5	100	0		20	10.8	-1.645	-0.0009	Pass
						12	-3.834	-0.0020	Pass
						13.2	-0.257	-0.0001	Pass
					-30	12	-2.475	-0.0013	Pass
					-20	12	-4.849	-0.0026	Pass
					-10	12	-0.672	-0.0004	Pass
					0	12	-3.719	-0.0020	Pass
					10	12	0.129	0.0001	Pass
					30	12	-0.100	-0.0001	Pass
					40	12	-0.644	-0.0003	Pass
					50	12	-1.101	-0.0006	Pass
					20	10.8	1.774	0.0009	Pass
						12	5.021	0.0026	Pass
						13.2	6.280	0.0033	Pass
					-30	12	3.805	0.0020	Pass
					-20	12	3.862	0.0020	Pass
					-10	12	5.980	0.0031	Pass
					0	12	5.579	0.0029	Pass
					10	12	1.931	0.0010	Pass
					30	12	2.861	0.0015	Pass
					40	12	4.120	0.0022	Pass
					50	12	3.362	0.0018	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certification reports & certificates, please connect us at telephone: (86-512) 57370911 or email: CH.Official@sgs.com.

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

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



7. Frequency Stability

7.1 B26b_1.4MHz

7.1.1 Test Result

Band: 26b / 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	0.687	0.0008	-2.5 to 2.5	Pass
					12	-1.931	-0.0023	-2.5 to 2.5	Pass
					13.2	-1.945	-0.0024	-2.5 to 2.5	Pass
				-30	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				-20	12	0.515	0.0006	-2.5 to 2.5	Pass
				-10	12	-1.516	-0.0018	-2.5 to 2.5	Pass
				0	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				10	12	-3.862	-0.0047	-2.5 to 2.5	Pass
				30	12	0.114	0.0001	-2.5 to 2.5	Pass
				40	12	0.715	0.0009	-2.5 to 2.5	Pass
				50	12	-1.059	-0.0013	-2.5 to 2.5	Pass
	836.5	6	0	20	10.8	0.701	0.0008	-2.5 to 2.5	Pass
					12	-0.443	-0.0005	-2.5 to 2.5	Pass
					13.2	-0.415	-0.0005	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing, inspection, sorting & certificate, please connect us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com.

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

				-30	12	-0.257	-0.0003	-2.5 to 2.5	Pass			
				-20	12	0.744	0.0009	-2.5 to 2.5	Pass			
				-10	12	-2.875	-0.0034	-2.5 to 2.5	Pass			
				0	12	-2.260	-0.0027	-2.5 to 2.5	Pass			
				10	12	-0.343	-0.0004	-2.5 to 2.5	Pass			
				30	12	-1.202	-0.0014	-2.5 to 2.5	Pass			
				40	12	0.601	0.0007	-2.5 to 2.5	Pass			
				50	12	-0.744	-0.0009	-2.5 to 2.5	Pass			
	848.3	6	0	20	10.8	3.319	0.0039	-2.5 to 2.5	Pass			
					12	-0.572	-0.0007	-2.5 to 2.5	Pass			
					13.2	-1.345	-0.0016	-2.5 to 2.5	Pass			
				-30	12	1.988	0.0023	-2.5 to 2.5	Pass			
				-20	12	2.189	0.0026	-2.5 to 2.5	Pass			
				-10	12	0.129	0.0002	-2.5 to 2.5	Pass			
				0	12	1.101	0.0013	-2.5 to 2.5	Pass			
				10	12	0.114	0.0001	-2.5 to 2.5	Pass			
				30	12	-0.429	-0.0005	-2.5 to 2.5	Pass			
				40	12	2.203	0.0026	-2.5 to 2.5	Pass			
				50	12	-0.157	-0.0002	-2.5 to 2.5	Pass			
16QAM	824.7	6	0	20	10.8	-0.958	-0.0012	-2.5 to 2.5	Pass			
					12	-0.529	-0.0006	-2.5 to 2.5	Pass			
					13.2	-1.001	-0.0012	-2.5 to 2.5	Pass			
				-30	12	-0.730	-0.0009	-2.5 to 2.5	Pass			
				-20	12	-3.033	-0.0037	-2.5 to 2.5	Pass			
				-10	12	-1.974	-0.0024	-2.5 to 2.5	Pass			
				0	12	-6.638	-0.0080	-2.5 to 2.5	Pass			
				10	12	-2.046	-0.0025	-2.5 to 2.5	Pass			
				30	12	-2.375	-0.0029	-2.5 to 2.5	Pass			
				40	12	-2.747	-0.0033	-2.5 to 2.5	Pass			
				50	12	-3.233	-0.0039	-2.5 to 2.5	Pass			
				836.5	6	0	20	10.8	0.629	0.0008	-2.5 to 2.5	Pass
								12	-1.602	-0.0019	-2.5 to 2.5	Pass
								13.2	-2.003	-0.0024	-2.5 to 2.5	Pass
	-30	12	-2.418				-0.0029	-2.5 to 2.5	Pass			
	-20	12	-2.918				-0.0035	-2.5 to 2.5	Pass			
	-10	12	-1.144				-0.0014	-2.5 to 2.5	Pass			
	0	12	-1.087				-0.0013	-2.5 to 2.5	Pass			
	10	12	-1.945				-0.0023	-2.5 to 2.5	Pass			
	30	12	-0.572				-0.0007	-2.5 to 2.5	Pass			
	40	12	3.362				0.0040	-2.5 to 2.5	Pass			
	50	12	0.300				0.0004	-2.5 to 2.5	Pass			
	848.3	6	0				20	10.8	0.057	0.0001	-2.5 to 2.5	Pass
								12	-3.548	-0.0042	-2.5 to 2.5	Pass
								13.2	-4.005	-0.0047	-2.5 to 2.5	Pass
				-30	12	0.143	0.0002	-2.5 to 2.5	Pass			
				-20	12	-4.406	-0.0052	-2.5 to 2.5	Pass			
				-10	12	-3.304	-0.0039	-2.5 to 2.5	Pass			
0				12	1.230	0.0014	-2.5 to 2.5	Pass				
10				12	-3.147	-0.0037	-2.5 to 2.5	Pass				
30				12	-2.346	-0.0028	-2.5 to 2.5	Pass				
40				12	-3.619	-0.0043	-2.5 to 2.5	Pass				
50	12	-3.748	-0.0044	-2.5 to 2.5	Pass							
64QAM	824.7	6	0	20	10.8	-4.306	-0.0052	-2.5 to 2.5	Pass			
					12	-3.376	-0.0041	-2.5 to 2.5	Pass			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com.au/Terms-and-Conditions.aspx>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com.au/terms-and-conditions/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, restriction on and jurisdiction of testing defined therein. Any holder of this document is deemed to have accepted the terms of the test, the results of the test and the Company's policy on the use of the results and with the Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生創業園偉業路10號 郵編 215300

186-5125735688 186-5125737010 www.agsgroup.com.cn
 186-5125735688 186-5125737010 agc.china@agc.com

					13.2	0.372	0.0005	-2.5 to 2.5	Pass	
				-30	12	-4.992	-0.0061	-2.5 to 2.5	Pass	
				-20	12	-3.977	-0.0048	-2.5 to 2.5	Pass	
				-10	12	-1.602	-0.0019	-2.5 to 2.5	Pass	
				0	12	0.143	0.0002	-2.5 to 2.5	Pass	
				10	12	-1.874	-0.0023	-2.5 to 2.5	Pass	
				30	12	-5.193	-0.0063	-2.5 to 2.5	Pass	
				40	12	-2.017	-0.0024	-2.5 to 2.5	Pass	
	836.5	6	0	20	10.8	-0.687	-0.0008	-2.5 to 2.5	Pass	
					12	-2.060	-0.0025	-2.5 to 2.5	Pass	
					13.2	-1.488	-0.0018	-2.5 to 2.5	Pass	
				-30	12	0.601	0.0007	-2.5 to 2.5	Pass	
				-20	12	-1.330	-0.0016	-2.5 to 2.5	Pass	
				-10	12	-5.665	-0.0068	-2.5 to 2.5	Pass	
				0	12	-2.761	-0.0033	-2.5 to 2.5	Pass	
				10	12	-0.987	-0.0012	-2.5 to 2.5	Pass	
				30	12	-0.243	-0.0003	-2.5 to 2.5	Pass	
				40	12	-2.217	-0.0027	-2.5 to 2.5	Pass	
				50	12	-1.273	-0.0015	-2.5 to 2.5	Pass	
				848.3	6	0	20	10.8	-0.043	-0.0001
	12	0.858	0.0010					-2.5 to 2.5	Pass	
	13.2	1.745	0.0021					-2.5 to 2.5	Pass	
	-30	12	0.129				0.0002	-2.5 to 2.5	Pass	
	-20	12	-0.043				-0.0001	-2.5 to 2.5	Pass	
	-10	12	-1.001				-0.0012	-2.5 to 2.5	Pass	
	0	12	-0.987				-0.0012	-2.5 to 2.5	Pass	
	10	12	1.388				0.0016	-2.5 to 2.5	Pass	
	30	12	0.386				0.0005	-2.5 to 2.5	Pass	
	40	12	-0.458				-0.0005	-2.5 to 2.5	Pass	
	50	12	-3.834				-0.0045	-2.5 to 2.5	Pass	
	256QAM	824.7	6				0	20	10.8	3.147
				12	-1.402	-0.0017			-2.5 to 2.5	Pass
				13.2	0.687	0.0008			-2.5 to 2.5	Pass
-30				12	-1.731	-0.0021		-2.5 to 2.5	Pass	
-20				12	-0.772	-0.0009		-2.5 to 2.5	Pass	
-10				12	-0.029	0.0000		-2.5 to 2.5	Pass	
0				12	-3.061	-0.0037		-2.5 to 2.5	Pass	
10				12	0.801	0.0010		-2.5 to 2.5	Pass	
30				12	0.501	0.0006		-2.5 to 2.5	Pass	
40				12	-1.702	-0.0021		-2.5 to 2.5	Pass	
50				12	-1.402	-0.0017		-2.5 to 2.5	Pass	
836.5				6	0	20		10.8	0.386	0.0005
		12	0.901				0.0011	-2.5 to 2.5	Pass	
		13.2	0.701				0.0008	-2.5 to 2.5	Pass	
		-30	12			-1.044	-0.0012	-2.5 to 2.5	Pass	
		-20	12			-2.303	-0.0028	-2.5 to 2.5	Pass	
		-10	12			2.475	0.0030	-2.5 to 2.5	Pass	
		0	12			2.947	0.0035	-2.5 to 2.5	Pass	
		10	12			-0.772	-0.0009	-2.5 to 2.5	Pass	
848.3		6	0	20	10.8	3.176	0.0037	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.ags.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.ags.com/electronic-formats-terms-and-conditions.aspx>. This document is drawn to the attention of the recipient, jointly and severally, under the terms of the General Conditions of Service. Any notice of this document is deemed to have been received by the recipient if it is delivered to him/her by email. The Company does not warrant, and hereby disclaims, any liability for information contained herein in excess of the Company's findings at the time of its intervention and/or within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生創業園偉業路10號 郵編 215300

186-5125735688 186-5125737011 www.sgsgroup.com.cn
186-5125735688 186-5125737011 sgs.china@sgs.com

				12	1.373	0.0016	-2.5 to 2.5	Pass
				13.2	2.890	0.0034	-2.5 to 2.5	Pass
			-30	12	3.247	0.0038	-2.5 to 2.5	Pass
			-20	12	3.262	0.0038	-2.5 to 2.5	Pass
			-10	12	0.572	0.0007	-2.5 to 2.5	Pass
			0	12	1.431	0.0017	-2.5 to 2.5	Pass
			10	12	1.330	0.0016	-2.5 to 2.5	Pass
			30	12	1.388	0.0016	-2.5 to 2.5	Pass
			40	12	0.787	0.0009	-2.5 to 2.5	Pass
			50	12	2.975	0.0035	-2.5 to 2.5	Pass

7.2 B26b_3MHz

7.2.1 Test Result

Band: 26b / 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	-1.087	-0.0013	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-3.347	-0.0041	-2.5 to 2.5	Pass
				-30	12	-3.705	-0.0045	-2.5 to 2.5	Pass
				-20	12	-3.991	-0.0048	-2.5 to 2.5	Pass
				-10	12	-4.950	-0.0060	-2.5 to 2.5	Pass
				0	12	-4.592	-0.0056	-2.5 to 2.5	Pass
				10	12	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	12	-0.629	-0.0008	-2.5 to 2.5	Pass
				40	12	-1.431	-0.0017	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-3.176	-0.0038	-2.5 to 2.5	Pass
					12	-2.089	-0.0025	-2.5 to 2.5	Pass
					13.2	1.202	0.0014	-2.5 to 2.5	Pass
				-30	12	2.403	0.0029	-2.5 to 2.5	Pass
				-20	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.817	-0.0022	-2.5 to 2.5	Pass
				0	12	-2.718	-0.0032	-2.5 to 2.5	Pass
				10	12	0.916	0.0011	-2.5 to 2.5	Pass
				30	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				40	12	-0.086	-0.0001	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.602	-0.0019	-2.5 to 2.5	Pass
					12	-2.117	-0.0025	-2.5 to 2.5	Pass
					13.2	-1.874	-0.0022	-2.5 to 2.5	Pass
				-30	12	-2.131	-0.0025	-2.5 to 2.5	Pass
				-20	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	12	-1.903	-0.0022	-2.5 to 2.5	Pass
				30	12	2.747	0.0032	-2.5 to 2.5	Pass
				40	12	-1.259	-0.0015	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	10.8	-2.275	-0.0028	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificates, please connect us at least one (86-512)57370911 or email: CN-Check@sgs.com.

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留學生创业园伟业路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

64QAM					12	-3.004	-0.0036	-2.5 to 2.5	Pass
					13.2	-13.25	-0.0054	-2.5 to 2.5	Pass
				-30	12	-6.695	-0.0081	-2.5 to 2.5	Pass
				-20	12	-4.392	-0.0053	-2.5 to 2.5	Pass
				-10	12	-3.934	-0.0048	-2.5 to 2.5	Pass
				0	12	-3.676	-0.0045	-2.5 to 2.5	Pass
				10	12	-1.717	-0.0021	-2.5 to 2.5	Pass
				30	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				40	12	-2.990	-0.0036	-2.5 to 2.5	Pass
				50	12	-5.422	-0.0066	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	2.389	0.0029	-2.5 to 2.5	Pass
					12	-2.389	-0.0029	-2.5 to 2.5	Pass
					13.2	-2.160	-0.0026	-2.5 to 2.5	Pass
				-30	12	-2.046	-0.0024	-2.5 to 2.5	Pass
				-20	12	2.360	0.0028	-2.5 to 2.5	Pass
				-10	12	0.558	0.0007	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.014	0.0000	-2.5 to 2.5	Pass
				30	12	-3.319	-0.0040	-2.5 to 2.5	Pass
				40	12	-2.818	-0.0034	-2.5 to 2.5	Pass
				50	12	-0.200	-0.0002	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	2.074	0.0024	-2.5 to 2.5	Pass
					12	1.788	0.0021	-2.5 to 2.5	Pass
					13.2	1.001	0.0012	-2.5 to 2.5	Pass
				-30	12	-3.405	-0.0040	-2.5 to 2.5	Pass
				-20	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				-10	12	1.602	0.0019	-2.5 to 2.5	Pass
				0	12	1.874	0.0022	-2.5 to 2.5	Pass
				10	12	1.917	0.0023	-2.5 to 2.5	Pass
				30	12	-2.217	-0.0026	-2.5 to 2.5	Pass
				40	12	0.315	0.0004	-2.5 to 2.5	Pass
				50	12	0.830	0.0010	-2.5 to 2.5	Pass
	825.5	15	0	20	10.8	0.930	0.0011	-2.5 to 2.5	Pass
					12	-0.701	-0.0008	-2.5 to 2.5	Pass
					13.2	-4.449	-0.0054	-2.5 to 2.5	Pass
				-30	12	-1.802	-0.0022	-2.5 to 2.5	Pass
				-20	12	1.259	0.0015	-2.5 to 2.5	Pass
				-10	12	-1.845	-0.0022	-2.5 to 2.5	Pass
				0	12	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				30	12	0.644	0.0008	-2.5 to 2.5	Pass
				40	12	-3.448	-0.0042	-2.5 to 2.5	Pass
				50	12	-1.760	-0.0021	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-1.588	-0.0019	-2.5 to 2.5	Pass
					12	-0.615	-0.0007	-2.5 to 2.5	Pass
					13.2	-2.646	-0.0032	-2.5 to 2.5	Pass
				-30	12	0.429	0.0005	-2.5 to 2.5	Pass
				-20	12	-4.506	-0.0054	-2.5 to 2.5	Pass
				-10	12	-2.046	-0.0024	-2.5 to 2.5	Pass
				0	12	-1.087	-0.0013	-2.5 to 2.5	Pass
				10	12	-2.475	-0.0030	-2.5 to 2.5	Pass
				30	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	12	-2.089	-0.0025	-2.5 to 2.5	Pass
				50	12	-4.349	-0.0052	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please connect us at sgs.china@sgs.com or www.sgs.com or www.sgs.com.cn

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

0086-512(57350888) 0086-512(57370919) www.sgs.com.cn

0086-512(57350888) 0086-512(57370919) sgs.china@sgs.com

256QAM	847.5	15	0	20	10.8	-1.216	-0.0014	-2.5 to 2.5	Pass
					12	1.502	0.0018	-2.5 to 2.5	Pass
					13.2	2.632	0.0031	-2.5 to 2.5	Pass
				-30	12	4.363	0.0051	-2.5 to 2.5	Pass
				-20	12	6.094	0.0072	-2.5 to 2.5	Pass
				-10	12	0.143	0.0002	-2.5 to 2.5	Pass
				0	12	0.315	0.0004	-2.5 to 2.5	Pass
				10	12	-0.758	-0.0009	-2.5 to 2.5	Pass
				30	12	1.402	0.0017	-2.5 to 2.5	Pass
				40	12	3.705	0.0044	-2.5 to 2.5	Pass
				50	12	-0.057	-0.0001	-2.5 to 2.5	Pass
	825.5	15	0	20	10.8	-0.172	-0.0002	-2.5 to 2.5	Pass
					12	-0.672	-0.0008	-2.5 to 2.5	Pass
					13.2	-5.894	-0.0071	-2.5 to 2.5	Pass
				-30	12	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	12	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	12	-4.106	-0.0050	-2.5 to 2.5	Pass
				30	12	-4.978	-0.0060	-2.5 to 2.5	Pass
				40	12	-3.290	-0.0040	-2.5 to 2.5	Pass
				50	12	-1.488	-0.0018	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-0.730	-0.0009	-2.5 to 2.5	Pass
					12	0.458	0.0005	-2.5 to 2.5	Pass
					13.2	-0.873	-0.0010	-2.5 to 2.5	Pass
				-30	12	-2.675	-0.0032	-2.5 to 2.5	Pass
				-20	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				10	12	0.644	0.0008	-2.5 to 2.5	Pass
				30	12	0.329	0.0004	-2.5 to 2.5	Pass
				40	12	1.402	0.0017	-2.5 to 2.5	Pass
				50	12	-0.472	-0.0006	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.860	-0.0022	-2.5 to 2.5	Pass
					12	-3.119	-0.0037	-2.5 to 2.5	Pass
					13.2	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	12	0.286	0.0003	-2.5 to 2.5	Pass
				-20	12	-2.818	-0.0033	-2.5 to 2.5	Pass
				-10	12	-1.917	-0.0023	-2.5 to 2.5	Pass
				0	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				10	12	0.386	0.0005	-2.5 to 2.5	Pass
				30	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.343	-0.0004	-2.5 to 2.5	Pass
				50	12	-0.272	-0.0003	-2.5 to 2.5	Pass

7.3 B26b_5MHz

7.3.1 Test Result

Band: 26b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing conclusion report & certificate, please connect us at telephone (+86-512) 57370911 or email: CH-Occurrence@sgs.com.
 No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留学院创业伟业路10号 邮编 215300
 (+86-512) 57350888 (+86-512) 57370911 www.sgs.com.cn
 (+86-512) 57350883 (+86-512) 57370910 sgs.china@sgs.com

QPSK	826.5	25	0	20	10.8	1.831	0.0022	-2.5 to 2.5	Pass
					12	-2.146	-0.0026	-2.5 to 2.5	Pass
					13.2	0.057	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.303	-0.0028	-2.5 to 2.5	Pass
				-20	12	-1.802	-0.0022	-2.5 to 2.5	Pass
				-10	12	1.030	0.0012	-2.5 to 2.5	Pass
				0	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	12	-1.116	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.157	-0.0002	-2.5 to 2.5	Pass
	50	12	0.229	0.0003	-2.5 to 2.5	Pass			
	836.5	25	0	20	10.8	-0.358	-0.0004	-2.5 to 2.5	Pass
					12	-0.958	-0.0011	-2.5 to 2.5	Pass
					13.2	-4.091	-0.0049	-2.5 to 2.5	Pass
				-30	12	-3.805	-0.0045	-2.5 to 2.5	Pass
				-20	12	-0.458	-0.0005	-2.5 to 2.5	Pass
				-10	12	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				10	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				30	12	-1.688	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.229	-0.0003	-2.5 to 2.5	Pass
	50	12	-2.718	-0.0032	-2.5 to 2.5	Pass			
	846.5	25	0	20	10.8	-3.061	-0.0036	-2.5 to 2.5	Pass
					12	-0.229	-0.0003	-2.5 to 2.5	Pass
					13.2	-0.944	-0.0011	-2.5 to 2.5	Pass
				-30	12	-1.645	-0.0019	-2.5 to 2.5	Pass
				-20	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.402	-0.0017	-2.5 to 2.5	Pass
				0	12	-3.347	-0.0040	-2.5 to 2.5	Pass
				10	12	-0.300	-0.0004	-2.5 to 2.5	Pass
30				12	-0.329	-0.0004	-2.5 to 2.5	Pass	
40				12	-1.574	-0.0019	-2.5 to 2.5	Pass	
50	12	-1.702	-0.0020	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	10.8	-0.186	-0.0002	-2.5 to 2.5	Pass
					12	-1.717	-0.0021	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				-20	12	-4.349	-0.0053	-2.5 to 2.5	Pass
				-10	12	-2.546	-0.0031	-2.5 to 2.5	Pass
				0	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				30	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				40	12	1.259	0.0015	-2.5 to 2.5	Pass
	50	12	-0.687	-0.0008	-2.5 to 2.5	Pass			
	836.5	25	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	-0.501	-0.0006	-2.5 to 2.5	Pass
					13.2	-4.520	-0.0054	-2.5 to 2.5	Pass
				-30	12	-3.133	-0.0037	-2.5 to 2.5	Pass
				-20	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.360	-0.0028	-2.5 to 2.5	Pass
				0	12	0.629	0.0008	-2.5 to 2.5	Pass
				10	12	-4.277	-0.0051	-2.5 to 2.5	Pass
				30	12	-2.761	-0.0033	-2.5 to 2.5	Pass
40				12	-1.230	-0.0015	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. This document is drawn to the attention of the Client, together with the General Conditions of Service and Terms and Conditions, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生创业園伟业路10号 邮编 215300

86-5125735888 86-5125737088 www.sgs.com.cn
86-5125735888 86-5125737088 sgs.china@sgs.com

	846.5	25	0	50	12	-2.017	-0.0024	-2.5 to 2.5	Pass
				20	10.8	0.973	0.0011	-2.5 to 2.5	Pass
					12	-0.029	0.0000	-2.5 to 2.5	Pass
					13.2	-2.074	-0.0025	-2.5 to 2.5	Pass
				-30	12	0.801	0.0009	-2.5 to 2.5	Pass
				-20	12	2.174	0.0026	-2.5 to 2.5	Pass
				-10	12	1.860	0.0022	-2.5 to 2.5	Pass
				0	12	1.845	0.0022	-2.5 to 2.5	Pass
				10	12	-1.345	-0.0016	-2.5 to 2.5	Pass
				30	12	0.815	0.0010	-2.5 to 2.5	Pass
64QAM	826.5	25	0	40	12	1.087	0.0013	-2.5 to 2.5	Pass
				50	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				20	10.8	-1.187	-0.0014	-2.5 to 2.5	Pass
					12	-0.415	-0.0005	-2.5 to 2.5	Pass
					13.2	-0.343	-0.0004	-2.5 to 2.5	Pass
				-30	12	-0.615	-0.0007	-2.5 to 2.5	Pass
				-20	12	-3.977	-0.0048	-2.5 to 2.5	Pass
				-10	12	-3.576	-0.0043	-2.5 to 2.5	Pass
				0	12	-1.545	-0.0019	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0006	-2.5 to 2.5	Pass
	836.5	25	0	30	12	1.073	0.0013	-2.5 to 2.5	Pass
				40	12	-1.187	-0.0014	-2.5 to 2.5	Pass
				50	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				20	10.8	-0.587	-0.0007	-2.5 to 2.5	Pass
					12	-0.758	-0.0009	-2.5 to 2.5	Pass
					13.2	0.501	0.0006	-2.5 to 2.5	Pass
				-30	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.745	0.0021	-2.5 to 2.5	Pass
				-10	12	-1.817	-0.0022	-2.5 to 2.5	Pass
				0	12	0.744	0.0009	-2.5 to 2.5	Pass
	846.5	25	0	10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.815	-0.0010	-2.5 to 2.5	Pass
				40	12	-3.090	-0.0037	-2.5 to 2.5	Pass
				50	12	-1.631	-0.0019	-2.5 to 2.5	Pass
				20	10.8	-0.744	-0.0009	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-2.832	-0.0033	-2.5 to 2.5	Pass
				-30	12	0.501	0.0006	-2.5 to 2.5	Pass
				-20	12	0.315	0.0004	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0021	-2.5 to 2.5	Pass
256QAM	826.5	25	0	0	12	-2.174	-0.0026	-2.5 to 2.5	Pass
				10	12	-0.587	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.873	-0.0010	-2.5 to 2.5	Pass
				40	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				50	12	-2.432	-0.0029	-2.5 to 2.5	Pass
				20	10.8	-10.500	-0.0127	-2.5 to 2.5	Pass
					12	-22.216	-0.0269	-2.5 to 2.5	Pass
					13.2	-8.340	-0.0101	-2.5 to 2.5	Pass
				-30	12	-3.834	-0.0046	-2.5 to 2.5	Pass
				-20	12	6.380	0.0077	-2.5 to 2.5	Pass
				-10	12	2.675	0.0032	-2.5 to 2.5	Pass
				0	12	4.277	0.0052	-2.5 to 2.5	Pass
				10	12	0.558	0.0007	-2.5 to 2.5	Pass
				30	12	1.745	0.0021	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate report & certificate, please connect us at sgs@sgs.com or CN-Check@sgs.com.

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

0512-5125735000 0512-5125737010 www.sgs.com cn

0512-5125735000 0512-5125737010 sgs.china@sgs.com

	836.5	25	0	40	12	0.186	0.0002	-2.5 to 2.5	Pass
				50	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				20	10.8	0.615	0.0007	-2.5 to 2.5	Pass
					12	-2.275	-0.0027	-2.5 to 2.5	Pass
					13.2	-1.316	-0.0016	-2.5 to 2.5	Pass
				-30	12	-3.047	-0.0036	-2.5 to 2.5	Pass
				-20	12	-2.732	-0.0033	-2.5 to 2.5	Pass
				-10	12	-3.390	-0.0041	-2.5 to 2.5	Pass
				0	12	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	12	-3.762	-0.0045	-2.5 to 2.5	Pass
	846.5	25	0	30	12	0.529	0.0006	-2.5 to 2.5	Pass
				40	12	-3.262	-0.0039	-2.5 to 2.5	Pass
				50	12	-3.090	-0.0037	-2.5 to 2.5	Pass
				20	10.8	-1.416	-0.0017	-2.5 to 2.5	Pass
					12	-3.877	-0.0046	-2.5 to 2.5	Pass
					13.2	-2.618	-0.0031	-2.5 to 2.5	Pass
				-30	12	-2.489	-0.0029	-2.5 to 2.5	Pass
				-20	12	-1.488	-0.0018	-2.5 to 2.5	Pass
				-10	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				0	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				30	12	-3.476	-0.0041	-2.5 to 2.5	Pass
				40	12	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	12	0.257	0.0003	-2.5 to 2.5	Pass

7.4 B26b_10MHz

7.4.1 Test Result

Band: 26b / 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	-0.100	-0.0001	-2.5 to 2.5	Pass
					12	-1.616	-0.0019	-2.5 to 2.5	Pass
					13.2	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	12	0.558	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				0	12	0.772	0.0009	-2.5 to 2.5	Pass
				10	12	0.687	0.0008	-2.5 to 2.5	Pass
				30	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.558	-0.0007	-2.5 to 2.5	Pass
	836.5	50	0	50	12	-2.275	-0.0027	-2.5 to 2.5	Pass
				20	10.8	-4.935	-0.0059	-2.5 to 2.5	Pass
					12	-2.675	-0.0032	-2.5 to 2.5	Pass
					13.2	-3.319	-0.0040	-2.5 to 2.5	Pass
				-30	12	-4.249	-0.0051	-2.5 to 2.5	Pass
				-20	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				-10	12	-2.890	-0.0035	-2.5 to 2.5	Pass
				0	12	-3.133	-0.0037	-2.5 to 2.5	Pass
				10	12	-3.691	-0.0044	-2.5 to 2.5	Pass
				30	12	-4.792	-0.0057	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certification report & certificate, please contact us at least one (86-512)97370911 or email: CH.Official@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

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

16QAM	844	50	0	40	12	-5.178	-0.0062	-2.5 to 2.5	Pass
				50	12	-2.775	-0.0033	-2.5 to 2.5	Pass
				20	10.8	1.416	0.0017	-2.5 to 2.5	Pass
					12	1.945	0.0023	-2.5 to 2.5	Pass
					13.2	-1.044	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.329	0.0004	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	2.117	0.0025	-2.5 to 2.5	Pass
				0	12	0.787	0.0009	-2.5 to 2.5	Pass
				10	12	1.702	0.0020	-2.5 to 2.5	Pass
				30	12	-2.360	-0.0028	-2.5 to 2.5	Pass
				40	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				50	12	0.286	0.0003	-2.5 to 2.5	Pass
	829	50	0	20	10.8	-0.672	-0.0008	-2.5 to 2.5	Pass
					12	-2.689	-0.0032	-2.5 to 2.5	Pass
					13.2	-2.346	-0.0028	-2.5 to 2.5	Pass
				-30	12	-3.605	-0.0043	-2.5 to 2.5	Pass
				-20	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				-10	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.672	-0.0008	-2.5 to 2.5	Pass
				30	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				40	12	-0.372	-0.0004	-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	-4.492	-0.0054	-2.5 to 2.5	Pass
					12	-2.947	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.917	-0.0023	-2.5 to 2.5	Pass
				-30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	12	-3.762	-0.0045	-2.5 to 2.5	Pass
				-10	12	-1.559	-0.0019	-2.5 to 2.5	Pass
				0	12	-2.546	-0.0030	-2.5 to 2.5	Pass
				10	12	-1.717	-0.0021	-2.5 to 2.5	Pass
				30	12	-3.405	-0.0041	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0009	-2.5 to 2.5	Pass
				50	12	-2.260	-0.0027	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-2.103	-0.0025	-2.5 to 2.5	Pass
					12	-2.174	-0.0026	-2.5 to 2.5	Pass
					13.2	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-20	12	-1.202	-0.0014	-2.5 to 2.5	Pass
				-10	12	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.631	-0.0019	-2.5 to 2.5	Pass
				10	12	-2.375	-0.0028	-2.5 to 2.5	Pass
				30	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				40	12	-0.844	-0.0010	-2.5 to 2.5	Pass
				50	12	0.057	0.0001	-2.5 to 2.5	Pass
64QAM	829	50	0	20	10.8	2.418	0.0029	-2.5 to 2.5	Pass
					12	-0.744	-0.0009	-2.5 to 2.5	Pass
					13.2	1.216	0.0015	-2.5 to 2.5	Pass
				-30	12	0.787	0.0009	-2.5 to 2.5	Pass
				-20	12	0.858	0.0010	-2.5 to 2.5	Pass
				-10	12	-0.544	-0.0007	-2.5 to 2.5	Pass
				0	12	-0.186	-0.0002	-2.5 to 2.5	Pass
				10	12	0.944	0.0011	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

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

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

256QAM	836.5	50	0	30	12	0.801	0.0010	-2.5 to 2.5	Pass
				40	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				50	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				20	10.8	0.558	0.0007	-2.5 to 2.5	Pass
					12	-1.373	-0.0016	-2.5 to 2.5	Pass
					13.2	0.386	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	12	1.388	0.0017	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				0	12	0.086	0.0001	-2.5 to 2.5	Pass
				10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				30	12	0.286	0.0003	-2.5 to 2.5	Pass
				40	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				50	12	0.672	0.0008	-2.5 to 2.5	Pass
	844	50	0	20	10.8	1.717	0.0020	-2.5 to 2.5	Pass
					12	-1.073	-0.0013	-2.5 to 2.5	Pass
					13.2	0.858	0.0010	-2.5 to 2.5	Pass
				-30	12	0.472	0.0006	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				10	12	-1.545	-0.0018	-2.5 to 2.5	Pass
				30	12	-1.273	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0034	-2.5 to 2.5	Pass
				50	12	-0.916	-0.0011	-2.5 to 2.5	Pass
	829	50	0	20	10.8	1.588	0.0019	-2.5 to 2.5	Pass
					12	-0.830	-0.0010	-2.5 to 2.5	Pass
					13.2	-1.402	-0.0017	-2.5 to 2.5	Pass
				-30	12	0.844	0.0010	-2.5 to 2.5	Pass
				-20	12	1.416	0.0017	-2.5 to 2.5	Pass
				-10	12	1.245	0.0015	-2.5 to 2.5	Pass
				0	12	0.272	0.0003	-2.5 to 2.5	Pass
				10	12	3.576	0.0043	-2.5 to 2.5	Pass
				30	12	0.358	0.0004	-2.5 to 2.5	Pass
				40	12	0.644	0.0008	-2.5 to 2.5	Pass
				50	12	2.346	0.0028	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	-0.587	-0.0007	-2.5 to 2.5	Pass
					13.2	0.544	0.0007	-2.5 to 2.5	Pass
				-30	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				-20	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.388	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				10	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				30	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				40	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	12	-3.633	-0.0043	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	0.200	0.0002	-2.5 to 2.5	Pass
					13.2	-1.187	-0.0014	-2.5 to 2.5	Pass
				-30	12	0.157	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.801	-0.0009	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

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

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

				10	12	0.300	0.0004	-2.5 to 2.5	Pass
				30	12	0.873	0.0010	-2.5 to 2.5	Pass
				40	12	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	12	0.987	0.0012	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B26c_15MHz

8.1.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	821.5	75	0	20	10.8	-1.945	-0.0024	-2.5 to 2.5	Pass
					12	-4.306	-0.0052	-2.5 to 2.5	Pass
					13.2	-0.558	-0.0007	-2.5 to 2.5	Pass
				-30	12	-3.605	-0.0044	-2.5 to 2.5	Pass
				-20	12	-4.177	-0.0051	-2.5 to 2.5	Pass
				-10	12	-1.402	-0.0017	-2.5 to 2.5	Pass
				0	12	-2.332	-0.0028	-2.5 to 2.5	Pass
				10	12	-2.275	-0.0028	-2.5 to 2.5	Pass
				30	12	-2.575	-0.0031	-2.5 to 2.5	Pass
				40	12	-3.576	-0.0044	-2.5 to 2.5	Pass
				50	12	-2.789	-0.0034	-2.5 to 2.5	Pass
	831.5	75	0	20	10.8	-1.745	-0.0021	-2.5 to 2.5	Pass
					12	-3.033	-0.0036	-2.5 to 2.5	Pass
					13.2	-3.061	-0.0037	-2.5 to 2.5	Pass
				-30	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				-10	12	-2.089	-0.0025	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing report & certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

0512-51257350888 0512-51257370910 www.sgs.com.cn
0512-51257350888 0512-51257370910 sgs.china@sgs.com

				0	12	-1.903	-0.0023	-2.5 to 2.5	Pass				
				10	12	-2.804	-0.0034	-2.5 to 2.5	Pass				
				30	12	-1.230	-0.0015	-2.5 to 2.5	Pass				
				40	12	-2.246	-0.0027	-2.5 to 2.5	Pass				
				50	12	-1.416	-0.0017	-2.5 to 2.5	Pass				
	841.5	75	0	20	10.8	0.687	0.0008	-2.5 to 2.5	Pass				
					12	-0.587	-0.0007	-2.5 to 2.5	Pass				
					13.2	-0.129	-0.0002	-2.5 to 2.5	Pass				
				-30	12	0.844	0.0010	-2.5 to 2.5	Pass				
				-20	12	0.300	0.0004	-2.5 to 2.5	Pass				
				-10	12	-0.486	-0.0006	-2.5 to 2.5	Pass				
				0	12	0.615	0.0007	-2.5 to 2.5	Pass				
				10	12	0.672	0.0008	-2.5 to 2.5	Pass				
				30	12	-0.501	-0.0006	-2.5 to 2.5	Pass				
				40	12	0.973	0.0012	-2.5 to 2.5	Pass				
				50	12	-1.874	-0.0022	-2.5 to 2.5	Pass				
				16QAM	821.5	75	0	20	10.8	-3.576	-0.0044	-2.5 to 2.5	Pass
									12	-4.663	-0.0057	-2.5 to 2.5	Pass
									13.2	-4.406	-0.0054	-2.5 to 2.5	Pass
-30	12	-3.648	-0.0044					-2.5 to 2.5	Pass				
-20	12	-1.388	-0.0017					-2.5 to 2.5	Pass				
-10	12	-0.043	-0.0001					-2.5 to 2.5	Pass				
0	12	-0.787	-0.0010					-2.5 to 2.5	Pass				
10	12	-2.017	-0.0025					-2.5 to 2.5	Pass				
30	12	-2.275	-0.0028					-2.5 to 2.5	Pass				
40	12	-1.402	-0.0017					-2.5 to 2.5	Pass				
50	12	-2.232	-0.0027		-2.5 to 2.5	Pass							
831.5	75	0	20		10.8	-0.329	-0.0004	-2.5 to 2.5	Pass				
					12	-1.416	-0.0017	-2.5 to 2.5	Pass				
					13.2	-1.788	-0.0022	-2.5 to 2.5	Pass				
			-30		12	-1.488	-0.0018	-2.5 to 2.5	Pass				
			-20		12	-2.217	-0.0027	-2.5 to 2.5	Pass				
			-10		12	-0.787	-0.0009	-2.5 to 2.5	Pass				
			0		12	-1.302	-0.0016	-2.5 to 2.5	Pass				
			10		12	-3.419	-0.0041	-2.5 to 2.5	Pass				
			30	12	-0.973	-0.0012	-2.5 to 2.5	Pass					
			40	12	-3.762	-0.0045	-2.5 to 2.5	Pass					
50	12	-2.503	-0.0030	-2.5 to 2.5	Pass								
841.5	75	0	20	10.8	-0.401	-0.0005	-2.5 to 2.5	Pass					
				12	0.758	0.0009	-2.5 to 2.5	Pass					
				13.2	-0.801	-0.0010	-2.5 to 2.5	Pass					
			-30	12	-0.916	-0.0011	-2.5 to 2.5	Pass					
			-20	12	0.229	0.0003	-2.5 to 2.5	Pass					
			-10	12	-0.787	-0.0009	-2.5 to 2.5	Pass					
			0	12	-0.229	-0.0003	-2.5 to 2.5	Pass					
			10	12	1.903	0.0023	-2.5 to 2.5	Pass					
			30	12	-0.672	-0.0008	-2.5 to 2.5	Pass					
			40	12	-0.100	-0.0001	-2.5 to 2.5	Pass					
50	12	-1.216	-0.0014	-2.5 to 2.5	Pass								
64QAM	821.5	75	0	20	10.8	-0.930	-0.0011	-2.5 to 2.5	Pass				
					12	-2.561	-0.0031	-2.5 to 2.5	Pass				
					13.2	-2.646	-0.0032	-2.5 to 2.5	Pass				
				-30	12	-3.934	-0.0048	-2.5 to 2.5	Pass				
				-20	12	-1.287	-0.0016	-2.5 to 2.5	Pass				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. The Company is not drawn to the attention of the Client, in connection with this document, any notice of this document or any information contained herein which reflects the Company's findings at the time of its intervention and/or within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生创业園伟业路10号 邮编 215300

86-5125735688 86-5125737010 www.sgs.com.cn
86-5125735688 86-5125737010 sgs.china@sgs.com

				-10	12	-2.804	-0.0034	-2.5 to 2.5	Pass	
				0	12	-3.505	-0.0043	-2.5 to 2.5	Pass	
				10	12	-3.676	-0.0045	-2.5 to 2.5	Pass	
				30	12	-1.845	-0.0022	-2.5 to 2.5	Pass	
				40	12	-3.161	-0.0038	-2.5 to 2.5	Pass	
				50	12	-3.304	-0.0040	-2.5 to 2.5	Pass	
	831.5	75	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass	
					12	-1.874	-0.0023	-2.5 to 2.5	Pass	
					13.2	-1.459	-0.0018	-2.5 to 2.5	Pass	
				-30	12	-0.801	-0.0010	-2.5 to 2.5	Pass	
				-20	12	-2.832	-0.0034	-2.5 to 2.5	Pass	
				-10	12	-0.587	-0.0007	-2.5 to 2.5	Pass	
				0	12	-1.016	-0.0012	-2.5 to 2.5	Pass	
				10	12	1.159	0.0014	-2.5 to 2.5	Pass	
				30	12	-2.189	-0.0026	-2.5 to 2.5	Pass	
				40	12	1.488	0.0018	-2.5 to 2.5	Pass	
	50	12	-1.373	-0.0017	-2.5 to 2.5	Pass				
	841.5	75	0	20	10.8	0.072	0.0001	-2.5 to 2.5	Pass	
					12	0.315	0.0004	-2.5 to 2.5	Pass	
					13.2	-0.701	-0.0008	-2.5 to 2.5	Pass	
				-30	12	-1.631	-0.0019	-2.5 to 2.5	Pass	
				-20	12	1.702	0.0020	-2.5 to 2.5	Pass	
				-10	12	-0.143	-0.0002	-2.5 to 2.5	Pass	
				0	12	-0.315	-0.0004	-2.5 to 2.5	Pass	
				10	12	-0.658	-0.0008	-2.5 to 2.5	Pass	
				30	12	-1.760	-0.0021	-2.5 to 2.5	Pass	
				40	12	0.887	0.0011	-2.5 to 2.5	Pass	
	50	12	-2.618	-0.0031	-2.5 to 2.5	Pass				
	256QAM	821.5	75	0	20	10.8	-2.232	-0.0027	-2.5 to 2.5	Pass
						12	-3.605	-0.0044	-2.5 to 2.5	Pass
13.2						-2.704	-0.0033	-2.5 to 2.5	Pass	
-30					12	-3.633	-0.0044	-2.5 to 2.5	Pass	
-20					12	-2.074	-0.0025	-2.5 to 2.5	Pass	
-10					12	-3.505	-0.0043	-2.5 to 2.5	Pass	
0					12	-2.661	-0.0032	-2.5 to 2.5	Pass	
10					12	-2.489	-0.0030	-2.5 to 2.5	Pass	
30					12	-3.862	-0.0047	-2.5 to 2.5	Pass	
40					12	-3.748	-0.0046	-2.5 to 2.5	Pass	
50		12	-3.004	-0.0037	-2.5 to 2.5	Pass				
831.5		75	0	20	10.8	-1.616	-0.0019	-2.5 to 2.5	Pass	
					12	-1.330	-0.0016	-2.5 to 2.5	Pass	
					13.2	0.558	0.0007	-2.5 to 2.5	Pass	
				-30	12	-2.418	-0.0029	-2.5 to 2.5	Pass	
				-20	12	-1.073	-0.0013	-2.5 to 2.5	Pass	
				-10	12	-2.961	-0.0036	-2.5 to 2.5	Pass	
				0	12	0.830	0.0010	-2.5 to 2.5	Pass	
				10	12	-0.100	-0.0001	-2.5 to 2.5	Pass	
				30	12	-1.473	-0.0018	-2.5 to 2.5	Pass	
				40	12	0.000	0.0000	-2.5 to 2.5	Pass	
50		12	-0.801	-0.0010	-2.5 to 2.5	Pass				
841.5		75	0	20	10.8	0.930	0.0011	-2.5 to 2.5	Pass	
					12	-0.658	-0.0008	-2.5 to 2.5	Pass	
					13.2	-0.787	-0.0009	-2.5 to 2.5	Pass	
				-30	12	0.072	0.0001	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. The Company is not drawn to the attention of the Client, in the event of any dispute, that the Company is not bound by the terms and conditions of any document unless it is advised that information contained therein reflects the Company's findings at the time of its intervention and/or within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生创业园伟业路10号 邮编 215300

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



				-20	12	0.172	0.0002	-2.5 to 2.5	Pass
				-10	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.629	-0.0007	-2.5 to 2.5	Pass
				10	12	1.216	0.0014	-2.5 to 2.5	Pass
				30	12	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	12	-1.302	-0.0015	-2.5 to 2.5	Pass
				50	12	-2.317	-0.0028	-2.5 to 2.5	Pass

9. Frequency Stability

9.1 B38_5MHz

9.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	10.8	2.632	0.0010	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certification reports & certificates, please connect us at sgs@sgs.com (24/7) or sgs@sgs.com or email: CN-Check@sgs.com.

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

888-512157350888 886-512157370919 www.sgsgroup.com.cn

886-512157350888 886-512157370919 sgs.china@sgs.com

					12	-1.960	-0.0008	-2.5 to 2.5	Pass
					13.2	1.330	0.0005	-2.5 to 2.5	Pass
				-30	12	4.749	0.0018	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.975	0.0012	-2.5 to 2.5	Pass
				0	12	2.060	0.0008	-2.5 to 2.5	Pass
				10	12	6.437	0.0025	-2.5 to 2.5	Pass
				30	12	4.292	0.0017	-2.5 to 2.5	Pass
				40	12	1.888	0.0007	-2.5 to 2.5	Pass
				50	12	1.087	0.0004	-2.5 to 2.5	Pass
	2595	25	0	20	10.8	-0.129	0.0000	-2.5 to 2.5	Pass
					12	0.830	0.0003	-2.5 to 2.5	Pass
					13.2	7.668	0.0030	-2.5 to 2.5	Pass
				-30	12	6.194	0.0024	-2.5 to 2.5	Pass
				-20	12	9.012	0.0035	-2.5 to 2.5	Pass
				-10	12	5.336	0.0021	-2.5 to 2.5	Pass
				0	12	10.686	0.0041	-2.5 to 2.5	Pass
				10	12	7.038	0.0027	-2.5 to 2.5	Pass
				30	12	7.539	0.0029	-2.5 to 2.5	Pass
				40	12	7.596	0.0029	-2.5 to 2.5	Pass
	50	12	2.990	0.0012	-2.5 to 2.5	Pass			
	2617.5	25	0	20	10.8	4.206	0.0016	-2.5 to 2.5	Pass
					12	3.533	0.0013	-2.5 to 2.5	Pass
					13.2	4.063	0.0016	-2.5 to 2.5	Pass
				-30	12	0.157	0.0001	-2.5 to 2.5	Pass
				-20	12	4.792	0.0018	-2.5 to 2.5	Pass
				-10	12	1.588	0.0006	-2.5 to 2.5	Pass
				0	12	-0.072	0.0000	-2.5 to 2.5	Pass
				10	12	6.051	0.0023	-2.5 to 2.5	Pass
				30	12	-3.161	-0.0012	-2.5 to 2.5	Pass
40				12	1.101	0.0004	-2.5 to 2.5	Pass	
50	12	-2.060	-0.0008	-2.5 to 2.5	Pass				
16QAM	2572.5	25	0	20	10.8	9.599	0.0037	-2.5 to 2.5	Pass
					12	1.559	0.0006	-2.5 to 2.5	Pass
					13.2	-1.931	-0.0008	-2.5 to 2.5	Pass
				-30	12	-0.658	-0.0003	-2.5 to 2.5	Pass
				-20	12	1.259	0.0005	-2.5 to 2.5	Pass
				-10	12	-17.223	-0.0067	-2.5 to 2.5	Pass
				0	12	-4.835	-0.0019	-2.5 to 2.5	Pass
				10	12	2.632	0.0010	-2.5 to 2.5	Pass
				30	12	3.777	0.0015	-2.5 to 2.5	Pass
				40	12	0.973	0.0004	-2.5 to 2.5	Pass
	50	12	-0.300	-0.0001	-2.5 to 2.5	Pass			
	2595	25	0	20	10.8	8.869	0.0034	-2.5 to 2.5	Pass
					12	8.054	0.0031	-2.5 to 2.5	Pass
					13.2	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.801	0.0003	-2.5 to 2.5	Pass
				-20	12	6.151	0.0024	-2.5 to 2.5	Pass
				-10	12	-0.486	-0.0002	-2.5 to 2.5	Pass
				0	12	-1.602	-0.0006	-2.5 to 2.5	Pass
				10	12	14.420	0.0056	-2.5 to 2.5	Pass
				30	12	6.108	0.0024	-2.5 to 2.5	Pass
40				12	7.095	0.0027	-2.5 to 2.5	Pass	
50	12	-0.043	0.0000	-2.5 to 2.5	Pass				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/for/Terms-and-Conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/for/Electronic-Documents-Terms-and-Conditions.aspx>. The information contained in this document is for the information of the Client and is not to be used for any other purpose. The Company does not warrant the accuracy of the information contained herein or reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

No. 10, Waiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

086-5125735688 086-5125737081 www.sgsygroup.com.cn
086-5125735688 086-5125737081 sgs.china@sgs.com

	2617.5	25	0	20	10.8	-1.659	-0.0006	-2.5 to 2.5	Pass
					12	2.189	0.0008	-2.5 to 2.5	Pass
					13.2	3.061	0.0012	-2.5 to 2.5	Pass
				-30	12	5.779	0.0022	-2.5 to 2.5	Pass
				-20	12	5.064	0.0019	-2.5 to 2.5	Pass
				-10	12	4.721	0.0018	-2.5 to 2.5	Pass
				0	12	5.264	0.0020	-2.5 to 2.5	Pass
				10	12	-0.486	-0.0002	-2.5 to 2.5	Pass
				30	12	6.595	0.0025	-2.5 to 2.5	Pass
				40	12	-6.223	-0.0024	-2.5 to 2.5	Pass
50	12	0.429	0.0002	-2.5 to 2.5	Pass				
64QAM	2572.5	25	0	20	10.8	5.178	0.0020	-2.5 to 2.5	Pass
					12	8.698	0.0034	-2.5 to 2.5	Pass
					13.2	2.646	0.0010	-2.5 to 2.5	Pass
				-30	12	-2.131	-0.0008	-2.5 to 2.5	Pass
				-20	12	0.587	0.0002	-2.5 to 2.5	Pass
				-10	12	5.422	0.0021	-2.5 to 2.5	Pass
				0	12	7.310	0.0028	-2.5 to 2.5	Pass
				10	12	-2.418	-0.0009	-2.5 to 2.5	Pass
				30	12	1.559	0.0006	-2.5 to 2.5	Pass
				40	12	0.687	0.0003	-2.5 to 2.5	Pass
	50	12	6.781	0.0026	-2.5 to 2.5	Pass			
	2595	25	0	20	10.8	4.263	0.0016	-2.5 to 2.5	Pass
					12	8.984	0.0035	-2.5 to 2.5	Pass
					13.2	4.206	0.0016	-2.5 to 2.5	Pass
				-30	12	3.633	0.0014	-2.5 to 2.5	Pass
				-20	12	5.651	0.0022	-2.5 to 2.5	Pass
				-10	12	2.017	0.0008	-2.5 to 2.5	Pass
				0	12	0.086	0.0000	-2.5 to 2.5	Pass
				10	12	-0.944	-0.0004	-2.5 to 2.5	Pass
				30	12	1.731	0.0007	-2.5 to 2.5	Pass
				40	12	5.922	0.0023	-2.5 to 2.5	Pass
	50	12	4.721	0.0018	-2.5 to 2.5	Pass			
	2617.5	25	0	20	10.8	3.433	0.0013	-2.5 to 2.5	Pass
					12	0.558	0.0002	-2.5 to 2.5	Pass
					13.2	4.177	0.0016	-2.5 to 2.5	Pass
				-30	12	1.588	0.0006	-2.5 to 2.5	Pass
				-20	12	-2.217	-0.0008	-2.5 to 2.5	Pass
				-10	12	1.416	0.0005	-2.5 to 2.5	Pass
				0	12	3.848	0.0015	-2.5 to 2.5	Pass
				10	12	2.360	0.0009	-2.5 to 2.5	Pass
30				12	3.390	0.0013	-2.5 to 2.5	Pass	
40				12	2.832	0.0011	-2.5 to 2.5	Pass	
50	12	5.479	0.0021	-2.5 to 2.5	Pass				
256QAM	2572.5	25	0	20	10.8	3.376	0.0013	-2.5 to 2.5	Pass
					12	1.431	0.0006	-2.5 to 2.5	Pass
					13.2	0.472	0.0002	-2.5 to 2.5	Pass
				-30	12	0.572	0.0002	-2.5 to 2.5	Pass
				-20	12	5.450	0.0021	-2.5 to 2.5	Pass
				-10	12	4.063	0.0016	-2.5 to 2.5	Pass
				0	12	1.988	0.0008	-2.5 to 2.5	Pass
				10	12	-0.072	0.0000	-2.5 to 2.5	Pass
				30	12	2.089	0.0008	-2.5 to 2.5	Pass
				40	12	5.307	0.0021	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. The Company is not to be held responsible for any information contained herein that exceeds the Company's findings at the time of its intervention and/or within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生創業園偉業路10號 郵編 215300

186-51257356888 186-51257370818 www.sgsygroup.com.cn
 186-51257356888 186-51257370818 sgsy.china@sgsy.com

	2595	25	0	50	12	2.460	0.0010	-2.5 to 2.5	Pass
				20	10.8	7.153	0.0028	-2.5 to 2.5	Pass
					12	-0.472	-0.0002	-2.5 to 2.5	Pass
					13.2	7.052	0.0027	-2.5 to 2.5	Pass
				-30	12	1.359	0.0005	-2.5 to 2.5	Pass
				-20	12	1.545	0.0006	-2.5 to 2.5	Pass
				-10	12	6.723	0.0026	-2.5 to 2.5	Pass
				0	12	3.805	0.0015	-2.5 to 2.5	Pass
				10	12	1.359	0.0005	-2.5 to 2.5	Pass
				30	12	0.772	0.0003	-2.5 to 2.5	Pass
	2617.5	25	0	40	12	12.259	0.0047	-2.5 to 2.5	Pass
				50	12	-0.615	-0.0002	-2.5 to 2.5	Pass
				20	10.8	0.329	0.0001	-2.5 to 2.5	Pass
					12	2.589	0.0010	-2.5 to 2.5	Pass
					13.2	-3.104	-0.0012	-2.5 to 2.5	Pass
				-30	12	2.990	0.0011	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	2.418	0.0009	-2.5 to 2.5	Pass
				0	12	5.565	0.0021	-2.5 to 2.5	Pass
				10	12	2.804	0.0011	-2.5 to 2.5	Pass

9.2 B38_10MHz

9.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	10.8	3.476	0.0013	-2.5 to 2.5	Pass
					12	3.233	0.0013	-2.5 to 2.5	Pass
					13.2	0.815	0.0003	-2.5 to 2.5	Pass
				-30	12	-4.463	-0.0017	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	5.651	0.0022	-2.5 to 2.5	Pass
				0	12	0.472	0.0002	-2.5 to 2.5	Pass
				10	12	3.119	0.0012	-2.5 to 2.5	Pass
				30	12	2.561	0.0010	-2.5 to 2.5	Pass
				40	12	4.978	0.0019	-2.5 to 2.5	Pass
	2595	50	0	50	12	2.804	0.0011	-2.5 to 2.5	Pass
				20	10.8	2.747	0.0011	-2.5 to 2.5	Pass
					12	4.478	0.0017	-2.5 to 2.5	Pass
					13.2	4.320	0.0017	-2.5 to 2.5	Pass
				-30	12	5.593	0.0022	-2.5 to 2.5	Pass
				-20	12	7.110	0.0027	-2.5 to 2.5	Pass
				-10	12	5.264	0.0020	-2.5 to 2.5	Pass
				0	12	-2.017	-0.0008	-2.5 to 2.5	Pass
				10	12	-1.316	-0.0005	-2.5 to 2.5	Pass
				30	12	6.695	0.0026	-2.5 to 2.5	Pass
				40	12	-0.300	-0.0001	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certification report & certificate, please contact us at least one (86-512)67370911 or email: CH.Official@sgs.com.
 No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留学院创业园伟业路18号 邮编 215300
 (86-512)67370888 (86-512)67370911 www.sgs.com.cn
 (86-512)67370883 (86-512)67370911 sgs.china@sgs.com

	2615	50	0	50	12	3.862	0.0015	-2.5 to 2.5	Pass
				20	10.8	-1.173	-0.0004	-2.5 to 2.5	Pass
					12	-1.173	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.629	-0.0002	-2.5 to 2.5	Pass
				-30	12	7.224	0.0028	-2.5 to 2.5	Pass
				-20	12	2.947	0.0011	-2.5 to 2.5	Pass
				-10	12	2.403	0.0009	-2.5 to 2.5	Pass
				0	12	3.219	0.0012	-2.5 to 2.5	Pass
				10	12	3.791	0.0014	-2.5 to 2.5	Pass
				30	12	4.349	0.0017	-2.5 to 2.5	Pass
16QAM	2575	50	0	40	12	4.864	0.0019	-2.5 to 2.5	Pass
				50	12	1.874	0.0007	-2.5 to 2.5	Pass
				20	10.8	8.011	0.0031	-2.5 to 2.5	Pass
					12	-1.960	-0.0008	-2.5 to 2.5	Pass
					13.2	0.415	0.0002	-2.5 to 2.5	Pass
				-30	12	6.008	0.0023	-2.5 to 2.5	Pass
				-20	12	2.575	0.0010	-2.5 to 2.5	Pass
				-10	12	3.519	0.0014	-2.5 to 2.5	Pass
				0	12	4.349	0.0017	-2.5 to 2.5	Pass
				10	12	2.403	0.0009	-2.5 to 2.5	Pass
	2595	50	0	30	12	4.749	0.0018	-2.5 to 2.5	Pass
				40	12	-0.286	-0.0001	-2.5 to 2.5	Pass
				50	12	7.124	0.0028	-2.5 to 2.5	Pass
				20	10.8	2.747	0.0011	-2.5 to 2.5	Pass
					12	4.334	0.0017	-2.5 to 2.5	Pass
					13.2	2.589	0.0010	-2.5 to 2.5	Pass
				-30	12	1.802	0.0007	-2.5 to 2.5	Pass
				-20	12	4.392	0.0017	-2.5 to 2.5	Pass
				-10	12	6.480	0.0025	-2.5 to 2.5	Pass
				0	12	3.562	0.0014	-2.5 to 2.5	Pass
	2615	50	0	10	12	-0.901	-0.0003	-2.5 to 2.5	Pass
				30	12	-1.345	-0.0005	-2.5 to 2.5	Pass
				40	12	4.177	0.0016	-2.5 to 2.5	Pass
				50	12	2.689	0.0010	-2.5 to 2.5	Pass
				20	10.8	0.901	0.0003	-2.5 to 2.5	Pass
					12	6.638	0.0025	-2.5 to 2.5	Pass
					13.2	4.950	0.0019	-2.5 to 2.5	Pass
				-30	12	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	12	2.761	0.0011	-2.5 to 2.5	Pass
				-10	12	3.819	0.0015	-2.5 to 2.5	Pass
64QAM	2575	50	0	0	12	7.610	0.0029	-2.5 to 2.5	Pass
				10	12	6.022	0.0023	-2.5 to 2.5	Pass
				30	12	3.977	0.0015	-2.5 to 2.5	Pass
				40	12	0.658	0.0003	-2.5 to 2.5	Pass
				50	12	3.004	0.0011	-2.5 to 2.5	Pass
				20	10.8	3.877	0.0015	-2.5 to 2.5	Pass
					12	4.864	0.0019	-2.5 to 2.5	Pass
					13.2	0.830	0.0003	-2.5 to 2.5	Pass
				-30	12	-2.189	-0.0009	-2.5 to 2.5	Pass
				-20	12	2.818	0.0011	-2.5 to 2.5	Pass
				-10	12	4.606	0.0018	-2.5 to 2.5	Pass
				0	12	2.446	0.0009	-2.5 to 2.5	Pass
				10	12	1.659	0.0006	-2.5 to 2.5	Pass
				30	12	3.033	0.0012	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CH.CCS@sgs.com.

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

0512-5125735000 0512-5125737010 www.sgs.com
0512-5125735000 0512-5125737010 sgs.china@sgs.com

	2595	50	0	40	12	1.917	0.0007	-2.5 to 2.5	Pass
				50	12	2.761	0.0011	-2.5 to 2.5	Pass
				20	10.8	-1.717	-0.0007	-2.5 to 2.5	Pass
					12	3.204	0.0012	-2.5 to 2.5	Pass
					13.2	-0.458	-0.0002	-2.5 to 2.5	Pass
				-30	12	1.516	0.0006	-2.5 to 2.5	Pass
				-20	12	3.090	0.0012	-2.5 to 2.5	Pass
				-10	12	1.116	0.0004	-2.5 to 2.5	Pass
				0	12	-0.658	-0.0003	-2.5 to 2.5	Pass
				10	12	1.831	0.0007	-2.5 to 2.5	Pass
				30	12	-0.658	-0.0003	-2.5 to 2.5	Pass
				40	12	2.732	0.0011	-2.5 to 2.5	Pass
				50	12	4.506	0.0017	-2.5 to 2.5	Pass
	2615	50	0	20	10.8	4.921	0.0019	-2.5 to 2.5	Pass
					12	2.332	0.0009	-2.5 to 2.5	Pass
					13.2	5.636	0.0022	-2.5 to 2.5	Pass
				-30	12	-5.279	-0.0020	-2.5 to 2.5	Pass
				-20	12	0.615	0.0002	-2.5 to 2.5	Pass
				-10	12	4.091	0.0016	-2.5 to 2.5	Pass
				0	12	-1.044	-0.0004	-2.5 to 2.5	Pass
				10	12	1.745	0.0007	-2.5 to 2.5	Pass
				30	12	3.161	0.0012	-2.5 to 2.5	Pass
				40	12	10.786	0.0041	-2.5 to 2.5	Pass
				50	12	-0.672	-0.0003	-2.5 to 2.5	Pass
256QAM	2575	50	0	20	10.8	1.273	0.0005	-2.5 to 2.5	Pass
					12	2.117	0.0008	-2.5 to 2.5	Pass
					13.2	3.047	0.0012	-2.5 to 2.5	Pass
				-30	12	0.544	0.0002	-2.5 to 2.5	Pass
				-20	12	5.507	0.0021	-2.5 to 2.5	Pass
				-10	12	-0.901	-0.0003	-2.5 to 2.5	Pass
				0	12	4.807	0.0019	-2.5 to 2.5	Pass
				10	12	2.289	0.0009	-2.5 to 2.5	Pass
				30	12	-5.865	-0.0023	-2.5 to 2.5	Pass
				40	12	6.266	0.0024	-2.5 to 2.5	Pass
				50	12	3.977	0.0015	-2.5 to 2.5	Pass
	2595	50	0	20	10.8	7.453	0.0029	-2.5 to 2.5	Pass
					12	4.020	0.0015	-2.5 to 2.5	Pass
					13.2	0.758	0.0003	-2.5 to 2.5	Pass
				-30	12	5.522	0.0021	-2.5 to 2.5	Pass
				-20	12	3.247	0.0013	-2.5 to 2.5	Pass
				-10	12	1.202	0.0005	-2.5 to 2.5	Pass
				0	12	3.734	0.0014	-2.5 to 2.5	Pass
				10	12	9.542	0.0037	-2.5 to 2.5	Pass
				30	12	7.210	0.0028	-2.5 to 2.5	Pass
				40	12	1.187	0.0005	-2.5 to 2.5	Pass
				50	12	8.883	0.0034	-2.5 to 2.5	Pass
	2615	50	0	20	10.8	2.632	0.0010	-2.5 to 2.5	Pass
					12	2.460	0.0009	-2.5 to 2.5	Pass
					13.2	1.202	0.0005	-2.5 to 2.5	Pass
				-30	12	2.117	0.0008	-2.5 to 2.5	Pass
				-20	12	-3.047	-0.0012	-2.5 to 2.5	Pass
				-10	12	3.691	0.0014	-2.5 to 2.5	Pass
				0	12	5.550	0.0021	-2.5 to 2.5	Pass
				10	12	3.247	0.0012	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

0085-51257350888 0085-51257370911 www.sgs.com cn

0085-51257350888 0085-51257370911 sgs.china@sgs.com

				30	12	0.043	0.0000	-2.5 to 2.5	Pass
				40	12	2.103	0.0008	-2.5 to 2.5	Pass
				50	12	0.529	0.0002	-2.5 to 2.5	Pass

9.3 B38_15MHz

9.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	10.8	3.562	0.0014	-2.5 to 2.5	Pass
					12	2.275	0.0009	-2.5 to 2.5	Pass
					13.2	0.415	0.0002	-2.5 to 2.5	Pass
				-30	12	3.304	0.0013	-2.5 to 2.5	Pass
				-20	12	1.745	0.0007	-2.5 to 2.5	Pass
				-10	12	1.774	0.0007	-2.5 to 2.5	Pass
				0	12	3.119	0.0012	-2.5 to 2.5	Pass
				10	12	2.389	0.0009	-2.5 to 2.5	Pass
				30	12	3.333	0.0013	-2.5 to 2.5	Pass
				40	12	9.012	0.0035	-2.5 to 2.5	Pass
				50	12	4.263	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	10.8	7.653	0.0029	-2.5 to 2.5	Pass
					12	3.648	0.0014	-2.5 to 2.5	Pass
					13.2	4.735	0.0018	-2.5 to 2.5	Pass
				-30	12	6.323	0.0024	-2.5 to 2.5	Pass
				-20	12	1.545	0.0006	-2.5 to 2.5	Pass
				-10	12	-0.401	-0.0002	-2.5 to 2.5	Pass
				0	12	1.330	0.0005	-2.5 to 2.5	Pass
				10	12	0.086	0.0000	-2.5 to 2.5	Pass
				30	12	4.878	0.0019	-2.5 to 2.5	Pass
				40	12	8.383	0.0032	-2.5 to 2.5	Pass
				50	12	4.048	0.0016	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	1.330	0.0005	-2.5 to 2.5	Pass
					12	-1.616	-0.0006	-2.5 to 2.5	Pass
					13.2	4.535	0.0017	-2.5 to 2.5	Pass
				-30	12	2.518	0.0010	-2.5 to 2.5	Pass
				-20	12	5.450	0.0021	-2.5 to 2.5	Pass
				-10	12	0.157	0.0001	-2.5 to 2.5	Pass
				0	12	1.831	0.0007	-2.5 to 2.5	Pass
				10	12	-3.963	-0.0015	-2.5 to 2.5	Pass
				30	12	3.519	0.0013	-2.5 to 2.5	Pass
				40	12	4.992	0.0019	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	10.8	1.845	0.0007	-2.5 to 2.5	Pass
					12	6.108	0.0024	-2.5 to 2.5	Pass
					13.2	6.881	0.0027	-2.5 to 2.5	Pass
				-30	12	4.292	0.0017	-2.5 to 2.5	Pass
				-20	12	4.706	0.0018	-2.5 to 2.5	Pass
				-10	12	5.836	0.0023	-2.5 to 2.5	Pass
				0	12	3.304	0.0013	-2.5 to 2.5	Pass
				10	12	5.536	0.0021	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH-Check@sgs.com or CH-Check@sgs.com.
 No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300
 0512-57350888 0512-57370919 www.sgs.com.cn
 0512-57350883 0512-57370914 sgs.china@sgs.com

				30	12	1.845	0.0007	-2.5 to 2.5	Pass
				40	12	9.155	0.0036	-2.5 to 2.5	Pass
				50	12	1.817	0.0007	-2.5 to 2.5	Pass
2595	75	0	20	10.8	7.854	0.0030	-2.5 to 2.5	Pass	Pass
				12	5.808	0.0022	-2.5 to 2.5	Pass	Pass
				13.2	6.094	0.0023	-2.5 to 2.5	Pass	Pass
			-30	12	8.268	0.0032	-2.5 to 2.5	Pass	Pass
			-20	12	10.757	0.0041	-2.5 to 2.5	Pass	Pass
			-10	12	1.674	0.0006	-2.5 to 2.5	Pass	Pass
			0	12	2.661	0.0010	-2.5 to 2.5	Pass	Pass
			10	12	8.597	0.0033	-2.5 to 2.5	Pass	Pass
			30	12	11.029	0.0043	-2.5 to 2.5	Pass	Pass
			40	12	8.669	0.0033	-2.5 to 2.5	Pass	Pass
			50	12	5.522	0.0021	-2.5 to 2.5	Pass	Pass
2612.5	75	0	20	10.8	4.706	0.0018	-2.5 to 2.5	Pass	Pass
				12	1.359	0.0005	-2.5 to 2.5	Pass	Pass
				13.2	-4.163	-0.0016	-2.5 to 2.5	Pass	Pass
			-30	12	-0.715	-0.0003	-2.5 to 2.5	Pass	Pass
			-20	12	2.217	0.0008	-2.5 to 2.5	Pass	Pass
			-10	12	2.704	0.0010	-2.5 to 2.5	Pass	Pass
			0	12	3.777	0.0014	-2.5 to 2.5	Pass	Pass
			10	12	2.131	0.0008	-2.5 to 2.5	Pass	Pass
			30	12	5.422	0.0021	-2.5 to 2.5	Pass	Pass
			40	12	6.480	0.0025	-2.5 to 2.5	Pass	Pass
			50	12	5.407	0.0021	-2.5 to 2.5	Pass	Pass
64QAM	2577.5	75	20	10.8	7.753	0.0030	-2.5 to 2.5	Pass	Pass
				12	3.576	0.0014	-2.5 to 2.5	Pass	Pass
				13.2	-1.674	-0.0006	-2.5 to 2.5	Pass	Pass
			-30	12	6.537	0.0025	-2.5 to 2.5	Pass	Pass
			-20	12	6.380	0.0025	-2.5 to 2.5	Pass	Pass
			-10	12	2.275	0.0009	-2.5 to 2.5	Pass	Pass
			0	12	4.206	0.0016	-2.5 to 2.5	Pass	Pass
			10	12	2.446	0.0009	-2.5 to 2.5	Pass	Pass
			30	12	6.437	0.0025	-2.5 to 2.5	Pass	Pass
			40	12	0.486	0.0002	-2.5 to 2.5	Pass	Pass
			50	12	-1.073	-0.0004	-2.5 to 2.5	Pass	Pass
	2595	75	20	10.8	-2.103	-0.0008	-2.5 to 2.5	Pass	Pass
				12	5.679	0.0022	-2.5 to 2.5	Pass	Pass
				13.2	3.891	0.0015	-2.5 to 2.5	Pass	Pass
			-30	12	1.645	0.0006	-2.5 to 2.5	Pass	Pass
			-20	12	-2.160	-0.0008	-2.5 to 2.5	Pass	Pass
			-10	12	6.952	0.0027	-2.5 to 2.5	Pass	Pass
			0	12	2.217	0.0009	-2.5 to 2.5	Pass	Pass
			10	12	6.609	0.0025	-2.5 to 2.5	Pass	Pass
			30	12	5.350	0.0021	-2.5 to 2.5	Pass	Pass
			40	12	0.715	0.0003	-2.5 to 2.5	Pass	Pass
			50	12	1.388	0.0005	-2.5 to 2.5	Pass	Pass
	2612.5	75	20	10.8	3.347	0.0013	-2.5 to 2.5	Pass	Pass
				12	2.060	0.0008	-2.5 to 2.5	Pass	Pass
				13.2	-2.990	-0.0011	-2.5 to 2.5	Pass	Pass
			-30	12	0.529	0.0002	-2.5 to 2.5	Pass	Pass
			-20	12	5.980	0.0023	-2.5 to 2.5	Pass	Pass
			-10	12	2.360	0.0009	-2.5 to 2.5	Pass	Pass
			0	12	-0.916	-0.0004	-2.5 to 2.5	Pass	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH-Check@sgs.com or at www.sgs.com/en/Check.aspx

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

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

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

				10	12	4.406	0.0017	-2.5 to 2.5	Pass
				30	12	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	12	5.550	0.0021	-2.5 to 2.5	Pass
				50	12	2.832	0.0011	-2.5 to 2.5	Pass
256QAM	2577.5	75	0	20	10.8	4.578	0.0018	-2.5 to 2.5	Pass
					12	4.220	0.0016	-2.5 to 2.5	Pass
					13.2	2.017	0.0008	-2.5 to 2.5	Pass
				-30	12	5.579	0.0022	-2.5 to 2.5	Pass
				-20	12	5.207	0.0020	-2.5 to 2.5	Pass
				-10	12	7.124	0.0028	-2.5 to 2.5	Pass
				0	12	5.178	0.0020	-2.5 to 2.5	Pass
				10	12	8.612	0.0033	-2.5 to 2.5	Pass
				30	12	1.559	0.0006	-2.5 to 2.5	Pass
				40	12	3.691	0.0014	-2.5 to 2.5	Pass
				50	12	4.406	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	10.8	2.661	0.0010	-2.5 to 2.5	Pass
					12	0.715	0.0003	-2.5 to 2.5	Pass
					13.2	4.964	0.0019	-2.5 to 2.5	Pass
				-30	12	5.064	0.0020	-2.5 to 2.5	Pass
				-20	12	-0.801	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0007	-2.5 to 2.5	Pass
				0	12	2.160	0.0008	-2.5 to 2.5	Pass
				10	12	7.796	0.0030	-2.5 to 2.5	Pass
				30	12	6.037	0.0023	-2.5 to 2.5	Pass
				40	12	6.123	0.0024	-2.5 to 2.5	Pass
				50	12	3.247	0.0013	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	4.449	0.0017	-2.5 to 2.5	Pass
					12	-1.116	-0.0004	-2.5 to 2.5	Pass
					13.2	3.762	0.0014	-2.5 to 2.5	Pass
				-30	12	0.358	0.0001	-2.5 to 2.5	Pass
				-20	12	0.629	0.0002	-2.5 to 2.5	Pass
				-10	12	2.904	0.0011	-2.5 to 2.5	Pass
				0	12	-3.505	-0.0013	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	0.844	0.0003	-2.5 to 2.5	Pass
				40	12	8.154	0.0031	-2.5 to 2.5	Pass
				50	12	-0.272	-0.0001	-2.5 to 2.5	Pass

9.4 B38_20MHz

9.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	10.8	4.478	0.0017	-2.5 to 2.5	Pass
					12	-2.317	-0.0009	-2.5 to 2.5	Pass
					13.2	5.751	0.0022	-2.5 to 2.5	Pass
				-30	12	1.044	0.0004	-2.5 to 2.5	Pass
				-20	12	0.744	0.0003	-2.5 to 2.5	Pass
				-10	12	4.292	0.0017	-2.5 to 2.5	Pass
				0	12	3.119	0.0012	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing conclusion report & certificate, please contact us at telephone: (+86-512) 57370911 or email: CH.Official@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

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

16QAM				10	12	1.831	0.0007	-2.5 to 2.5	Pass
				30	12	2.260	0.0009	-2.5 to 2.5	Pass
				40	12	1.774	0.0007	-2.5 to 2.5	Pass
				50	12	5.393	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	10.486	0.0040	-2.5 to 2.5	Pass
					12	1.187	0.0005	-2.5 to 2.5	Pass
					13.2	1.159	0.0004	-2.5 to 2.5	Pass
				-30	12	13.25	0.0017	-2.5 to 2.5	Pass
				-20	12	4.392	0.0017	-2.5 to 2.5	Pass
				-10	12	0.057	0.0000	-2.5 to 2.5	Pass
				0	12	4.678	0.0018	-2.5 to 2.5	Pass
				10	12	3.119	0.0012	-2.5 to 2.5	Pass
				30	12	0.458	0.0002	-2.5 to 2.5	Pass
				40	12	10.86	0.0013	-2.5 to 2.5	Pass
				50	12	-0.701	-0.0003	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	4.163	0.0016	-2.5 to 2.5	Pass
					12	9.098	0.0035	-2.5 to 2.5	Pass
					13.2	5.865	0.0022	-2.5 to 2.5	Pass
				-30	12	0.043	0.0000	-2.5 to 2.5	Pass
				-20	12	2.990	0.0011	-2.5 to 2.5	Pass
				-10	12	1.931	0.0007	-2.5 to 2.5	Pass
				0	12	8.011	0.0031	-2.5 to 2.5	Pass
				10	12	1.931	0.0007	-2.5 to 2.5	Pass
				30	12	6.180	0.0024	-2.5 to 2.5	Pass
				40	12	3.204	0.0012	-2.5 to 2.5	Pass
				50	12	-2.975	-0.0011	-2.5 to 2.5	Pass
	2580	100	0	20	10.8	-0.343	-0.0001	-2.5 to 2.5	Pass
					12	2.990	0.0012	-2.5 to 2.5	Pass
					13.2	7.195	0.0028	-2.5 to 2.5	Pass
				-30	12	4.735	0.0018	-2.5 to 2.5	Pass
				-20	12	5.364	0.0021	-2.5 to 2.5	Pass
				-10	12	5.422	0.0021	-2.5 to 2.5	Pass
				0	12	5.536	0.0021	-2.5 to 2.5	Pass
				10	12	1.044	0.0004	-2.5 to 2.5	Pass
				30	12	2.232	0.0009	-2.5 to 2.5	Pass
				40	12	3.033	0.0012	-2.5 to 2.5	Pass
				50	12	5.336	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	1.659	0.0006	-2.5 to 2.5	Pass
					12	-2.203	-0.0008	-2.5 to 2.5	Pass
					13.2	2.174	0.0008	-2.5 to 2.5	Pass
				-30	12	5.822	0.0022	-2.5 to 2.5	Pass
				-20	12	5.636	0.0022	-2.5 to 2.5	Pass
				-10	12	6.809	0.0026	-2.5 to 2.5	Pass
				0	12	1.774	0.0007	-2.5 to 2.5	Pass
				10	12	3.262	0.0013	-2.5 to 2.5	Pass
				30	12	3.762	0.0014	-2.5 to 2.5	Pass
				40	12	4.406	0.0017	-2.5 to 2.5	Pass
				50	12	0.057	0.0000	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	3.963	0.0015	-2.5 to 2.5	Pass
					12	0.172	0.0001	-2.5 to 2.5	Pass
					13.2	4.034	0.0015	-2.5 to 2.5	Pass
				-30	12	1.230	0.0005	-2.5 to 2.5	Pass
				-20	12	5.422	0.0021	-2.5 to 2.5	Pass
				-10	12	2.789	0.0011	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

0512-57350888 0512-57370911 www.sgs.com.cn
0512-57350883 0512-57370911 sgs.china@sgs.com

64QAM				0	12	2.303	0.0009	-2.5 to 2.5	Pass
				10	12	2.918	0.0011	-2.5 to 2.5	Pass
				30	12	0.973	0.0004	-2.5 to 2.5	Pass
				40	12	-2.818	-0.0011	-2.5 to 2.5	Pass
				50	12	-0.501	-0.0002	-2.5 to 2.5	Pass
	2580	100	0	20	10.8	5.093	0.0020	-2.5 to 2.5	Pass
					12	2.847	0.0011	-2.5 to 2.5	Pass
					13.2	5.236	0.0020	-2.5 to 2.5	Pass
				-30	12	0.029	0.0000	-2.5 to 2.5	Pass
				-20	12	2.804	0.0011	-2.5 to 2.5	Pass
				-10	12	3.948	0.0015	-2.5 to 2.5	Pass
				0	12	1.416	0.0005	-2.5 to 2.5	Pass
				10	12	4.292	0.0017	-2.5 to 2.5	Pass
				30	12	2.804	0.0011	-2.5 to 2.5	Pass
				40	12	3.262	0.0013	-2.5 to 2.5	Pass
				50	12	-1.903	-0.0007	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	3.433	0.0013	-2.5 to 2.5	Pass
					12	8.755	0.0034	-2.5 to 2.5	Pass
					13.2	5.608	0.0022	-2.5 to 2.5	Pass
				-30	12	-2.289	-0.0009	-2.5 to 2.5	Pass
				-20	12	3.490	0.0013	-2.5 to 2.5	Pass
				-10	12	6.366	0.0025	-2.5 to 2.5	Pass
				0	12	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	12	4.363	0.0017	-2.5 to 2.5	Pass
				40	12	9.112	0.0035	-2.5 to 2.5	Pass
				50	12	-0.386	-0.0001	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	8.297	0.0032	-2.5 to 2.5	Pass
					12	3.333	0.0013	-2.5 to 2.5	Pass
					13.2	0.658	0.0003	-2.5 to 2.5	Pass
				-30	12	0.844	0.0003	-2.5 to 2.5	Pass
				-20	12	2.818	0.0011	-2.5 to 2.5	Pass
				-10	12	-2.947	-0.0011	-2.5 to 2.5	Pass
				0	12	5.322	0.0020	-2.5 to 2.5	Pass
				10	12	4.849	0.0019	-2.5 to 2.5	Pass
				30	12	2.747	0.0011	-2.5 to 2.5	Pass
				40	12	4.034	0.0015	-2.5 to 2.5	Pass
256QAM	2580	100	0	20	10.8	5.980	0.0023	-2.5 to 2.5	Pass
					12	1.802	0.0007	-2.5 to 2.5	Pass
					13.2	4.334	0.0017	-2.5 to 2.5	Pass
				-30	12	2.861	0.0011	-2.5 to 2.5	Pass
				-20	12	4.063	0.0016	-2.5 to 2.5	Pass
				-10	12	9.127	0.0035	-2.5 to 2.5	Pass
				0	12	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	12	2.561	0.0010	-2.5 to 2.5	Pass
				30	12	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	12	5.193	0.0020	-2.5 to 2.5	Pass
				50	12	1.731	0.0007	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	2.475	0.0010	-2.5 to 2.5	Pass
					12	2.103	0.0008	-2.5 to 2.5	Pass
					13.2	1.502	0.0006	-2.5 to 2.5	Pass
				-30	12	7.954	0.0031	-2.5 to 2.5	Pass
				-20	12	0.329	0.0001	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at info@sgs.com or info@sgs.com.cn or visit our website at www.sgs.com or www.sgs.com.cn.

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

0085-51215735000 0085-51215737000 www.sgs.com.cn

0085-51215735000 0085-51215737000 sgs.china@sgs.com

				-10	12	2.646	0.0010	-2.5 to 2.5	Pass
				0	12	6.323	0.0024	-2.5 to 2.5	Pass
				10	12	1.144	0.0004	-2.5 to 2.5	Pass
				30	12	4.592	0.0018	-2.5 to 2.5	Pass
				40	12	3.777	0.0015	-2.5 to 2.5	Pass
				50	12	2.332	0.0009	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	5.264	0.0020	-2.5 to 2.5	Pass
					12	4.148	0.0016	-2.5 to 2.5	Pass
					13.2	2.103	0.0008	-2.5 to 2.5	Pass
				-30	12	4.091	0.0016	-2.5 to 2.5	Pass
				-20	12	3.061	0.0012	-2.5 to 2.5	Pass
				-10	12	4.292	0.0016	-2.5 to 2.5	Pass
				0	12	10.171	0.0039	-2.5 to 2.5	Pass
				10	12	2.975	0.0011	-2.5 to 2.5	Pass
				30	12	4.177	0.0016	-2.5 to 2.5	Pass
				40	12	1.230	0.0005	-2.5 to 2.5	Pass
				50	12	2.503	0.0010	-2.5 to 2.5	Pass

10. Frequency Stability

10.1 B41_5MHz

10.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	10.8	14.533	0.0058	-2.5 to 2.5	Pass
					12	7.310	0.0029	-2.5 to 2.5	Pass
					13.2	5.891	0.0024	-2.5 to 2.5	Pass
				-30	12	10.654	0.0043	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing, certification reports & certificates, please connect us at telephone: (+86-512) 57370011 or email: CH.Official@sgs.com.

No.18, 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

086-51257350888 086-51257370011 www.sgs.com.cn
086-51257350888 086-51257370011 sgs.china@sgs.com

16QAM				-20	12	5.972	0.0024	-2.5 to 2.5	Pass
				-10	12	2.315	0.0009	-2.5 to 2.5	Pass
				0	12	-1.415	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.318	-0.0005	-2.5 to 2.5	Pass
				30	12	-1.154	-0.0005	-2.5 to 2.5	Pass
				40	12	-0.957	-0.0004	-2.5 to 2.5	Pass
				50	12	3.829	0.0015	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	8.058	0.0031	-2.5 to 2.5	Pass
					12	-2.065	-0.0008	-2.5 to 2.5	Pass
					13.2	-1.850	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.741	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.974	-0.0008	-2.5 to 2.5	Pass
				-10	12	0.023	0.0000	-2.5 to 2.5	Pass
				0	12	2.835	0.0011	-2.5 to 2.5	Pass
				10	12	2.601	0.0010	-2.5 to 2.5	Pass
				30	12	3.896	0.0015	-2.5 to 2.5	Pass
				40	12	-0.178	-0.0001	-2.5 to 2.5	Pass
				50	12	7.718	0.0030	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	5.671	0.0021	-2.5 to 2.5	Pass
					12	0.293	0.0001	-2.5 to 2.5	Pass
					13.2	8.789	0.0033	-2.5 to 2.5	Pass
				-30	12	0.095	0.0000	-2.5 to 2.5	Pass
				-20	12	7.678	0.0029	-2.5 to 2.5	Pass
				-10	12	3.073	0.0011	-2.5 to 2.5	Pass
				0	12	6.059	0.0023	-2.5 to 2.5	Pass
				10	12	-3.604	-0.0013	-2.5 to 2.5	Pass
				30	12	7.488	0.0028	-2.5 to 2.5	Pass
				40	12	-1.270	-0.0005	-2.5 to 2.5	Pass
				50	12	-2.594	-0.0010	-2.5 to 2.5	Pass
	2498.5	25	0	20	10.8	-0.212	-0.0001	-2.5 to 2.5	Pass
					12	11.293	0.0045	-2.5 to 2.5	Pass
					13.2	0.335	0.0001	-2.5 to 2.5	Pass
				-30	12	1.962	0.0008	-2.5 to 2.5	Pass
				-20	12	-4.385	-0.0018	-2.5 to 2.5	Pass
				-10	12	-4.264	-0.0017	-2.5 to 2.5	Pass
				0	12	-0.473	-0.0002	-2.5 to 2.5	Pass
				10	12	-2.531	-0.0010	-2.5 to 2.5	Pass
				30	12	-2.404	-0.0010	-2.5 to 2.5	Pass
				40	12	0.817	0.0003	-2.5 to 2.5	Pass
				50	12	1.618	0.0006	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	-4.508	-0.0017	-2.5 to 2.5	Pass
					12	-4.472	-0.0017	-2.5 to 2.5	Pass
					13.2	2.541	0.0010	-2.5 to 2.5	Pass
				-30	12	-1.717	-0.0007	-2.5 to 2.5	Pass
				-20	12	6.686	0.0026	-2.5 to 2.5	Pass
				-10	12	-0.043	0.0000	-2.5 to 2.5	Pass
				0	12	5.500	0.0021	-2.5 to 2.5	Pass
				10	12	-2.544	-0.0010	-2.5 to 2.5	Pass
				30	12	2.928	0.0011	-2.5 to 2.5	Pass
				40	12	2.593	0.0010	-2.5 to 2.5	Pass
				50	12	3.935	0.0015	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	-5.075	-0.0019	-2.5 to 2.5	Pass
					12	-4.081	-0.0015	-2.5 to 2.5	Pass
					13.2	16.420	0.0061	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH.Official@sgs.com or CH.Official@sgs.com.

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

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

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

64QAM	2498.5	25	0	-30	12	0.982	0.0004	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	-3.968	-0.0015	-2.5 to 2.5	Pass
				0	12	1.083	0.0004	-2.5 to 2.5	Pass
				10	12	2.038	0.0008	-2.5 to 2.5	Pass
				30	12	-0.469	-0.0002	-2.5 to 2.5	Pass
				40	12	-7.535	-0.0028	-2.5 to 2.5	Pass
				50	12	3.990	0.0015	-2.5 to 2.5	Pass
				20	10.8	8.566	0.0034	-2.5 to 2.5	Pass
					12	9.211	0.0037	-2.5 to 2.5	Pass
					13.2	6.015	0.0024	-2.5 to 2.5	Pass
				-30	12	10.905	0.0044	-2.5 to 2.5	Pass
				-20	12	9.352	0.0037	-2.5 to 2.5	Pass
				-10	12	2.329	0.0009	-2.5 to 2.5	Pass
				0	12	10.200	0.0041	-2.5 to 2.5	Pass
				10	12	-0.433	-0.0002	-2.5 to 2.5	Pass
				30	12	0.079	0.0000	-2.5 to 2.5	Pass
				40	12	3.915	0.0016	-2.5 to 2.5	Pass
				50	12	6.121	0.0024	-2.5 to 2.5	Pass
64QAM	2593	25	0	20	10.8	0.605	0.0002	-2.5 to 2.5	Pass
					12	-0.597	-0.0002	-2.5 to 2.5	Pass
					13.2	-3.837	-0.0015	-2.5 to 2.5	Pass
				-30	12	-1.623	-0.0006	-2.5 to 2.5	Pass
				-20	12	-3.096	-0.0012	-2.5 to 2.5	Pass
				-10	12	4.447	0.0017	-2.5 to 2.5	Pass
				0	12	3.137	0.0012	-2.5 to 2.5	Pass
				10	12	7.536	0.0029	-2.5 to 2.5	Pass
				30	12	3.820	0.0015	-2.5 to 2.5	Pass
				40	12	-6.437	-0.0025	-2.5 to 2.5	Pass
				50	12	2.124	0.0008	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	-1.577	-0.0006	-2.5 to 2.5	Pass
					12	-5.314	-0.0020	-2.5 to 2.5	Pass
					13.2	-2.539	-0.0009	-2.5 to 2.5	Pass
				-30	12	1.942	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.309	-0.0001	-2.5 to 2.5	Pass
				-10	12	0.767	0.0003	-2.5 to 2.5	Pass
				0	12	1.763	0.0007	-2.5 to 2.5	Pass
				10	12	2.317	0.0009	-2.5 to 2.5	Pass
				30	12	2.956	0.0011	-2.5 to 2.5	Pass
				40	12	3.478	0.0013	-2.5 to 2.5	Pass
				50	12	5.412	0.0020	-2.5 to 2.5	Pass
256QAM	2498.5	25	0	20	10.8	7.657	0.0031	-2.5 to 2.5	Pass
					12	-0.515	-0.0002	-2.5 to 2.5	Pass
					13.2	7.915	0.0032	-2.5 to 2.5	Pass
				-30	12	-2.315	-0.0009	-2.5 to 2.5	Pass
				-20	12	4.340	0.0017	-2.5 to 2.5	Pass
				-10	12	2.188	0.0009	-2.5 to 2.5	Pass
				0	12	-0.232	-0.0001	-2.5 to 2.5	Pass
				10	12	2.036	0.0008	-2.5 to 2.5	Pass
				30	12	4.774	0.0019	-2.5 to 2.5	Pass
				40	12	-1.872	-0.0007	-2.5 to 2.5	Pass
				50	12	-2.208	-0.0009	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	1.246	0.0005	-2.5 to 2.5	Pass
					12	4.814	0.0019	-2.5 to 2.5	Pass
					12	4.814	0.0019	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH-Check@sgs.com or CH-Check@sgs.com.

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

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

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

					13.2	-0.796	-0.0003	-2.5 to 2.5	Pass
				-30	12	5.204	0.0020	-2.5 to 2.5	Pass
				-20	12	-5.630	-0.0022	-2.5 to 2.5	Pass
				-10	12	1.500	0.0006	-2.5 to 2.5	Pass
				0	12	3.242	0.0013	-2.5 to 2.5	Pass
				10	12	0.624	0.0002	-2.5 to 2.5	Pass
				30	12	1.710	0.0007	-2.5 to 2.5	Pass
				40	12	4.725	0.0018	-2.5 to 2.5	Pass
				50	12	1.262	0.0005	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	-3.409	-0.0013	-2.5 to 2.5	Pass
					12	3.301	0.0012	-2.5 to 2.5	Pass
					13.2	5.471	0.0020	-2.5 to 2.5	Pass
				-30	12	-6.154	-0.0023	-2.5 to 2.5	Pass
				-20	12	11.682	0.0043	-2.5 to 2.5	Pass
				-10	12	8.228	0.0031	-2.5 to 2.5	Pass
				0	12	10.801	0.0040	-2.5 to 2.5	Pass
				10	12	1.726	0.0006	-2.5 to 2.5	Pass
				30	12	0.929	0.0003	-2.5 to 2.5	Pass
				40	12	-0.495	-0.0002	-2.5 to 2.5	Pass
50	12	-5.674	-0.0021	-2.5 to 2.5	Pass				

10.2 B41_10MHz

10.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	10.8	-0.458	-0.0002	-2.5 to 2.5	Pass
					12	-0.122	0.0000	-2.5 to 2.5	Pass
					13.2	-7.385	-0.0030	-2.5 to 2.5	Pass
				-30	12	-0.605	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.575	-0.0002	-2.5 to 2.5	Pass
				-10	12	1.818	0.0007	-2.5 to 2.5	Pass
				0	12	-0.570	-0.0002	-2.5 to 2.5	Pass
				10	12	5.524	0.0022	-2.5 to 2.5	Pass
				30	12	2.103	0.0008	-2.5 to 2.5	Pass
				40	12	3.956	0.0016	-2.5 to 2.5	Pass
	50	12	8.742	0.0035	-2.5 to 2.5	Pass			
	2593	50	0	20	10.8	-2.601	-0.0010	-2.5 to 2.5	Pass
					12	3.493	0.0013	-2.5 to 2.5	Pass
					13.2	0.154	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.274	-0.0001	-2.5 to 2.5	Pass
				-20	12	6.272	0.0024	-2.5 to 2.5	Pass
				-10	12	6.573	0.0025	-2.5 to 2.5	Pass
				0	12	0.765	0.0003	-2.5 to 2.5	Pass
				10	12	1.601	0.0006	-2.5 to 2.5	Pass
				30	12	-1.967	-0.0008	-2.5 to 2.5	Pass
				40	12	6.476	0.0025	-2.5 to 2.5	Pass
	50	12	2.301	0.0009	-2.5 to 2.5	Pass			
	2685	50	0	20	10.8	5.398	0.0020	-2.5 to 2.5	Pass
12					2.045	0.0008	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.igs.com.au/IGS/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.igs.com.au/IGS/Electronic-Terms-and-Conditions/Terms-a-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its involvement and may, within the limits of the instructions, if any, the Company's sole responsibility is to its Client and this document does not constitute parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

No. 10, Waiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

086-5125735688 086-5125737081 www.sgsygroup.com.cn
086-5125735688 086-5125737081 sgs.china@sgs.com

					13.2	8.435	0.0031	-2.5 to 2.5	Pass
				-30	12	5.694	0.0021	-2.5 to 2.5	Pass
				-20	12	4.925	0.0018	-2.5 to 2.5	Pass
				-10	12	-0.125	0.0000	-2.5 to 2.5	Pass
				0	12	5.381	0.0020	-2.5 to 2.5	Pass
				10	12	-0.858	-0.0003	-2.5 to 2.5	Pass
				30	12	3.071	0.0011	-2.5 to 2.5	Pass
				40	12	4.324	0.0016	-2.5 to 2.5	Pass
				50	12	0.117	0.0000	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	10.8	7.846	0.0031	-2.5 to 2.5	Pass
					12	5.368	0.0021	-2.5 to 2.5	Pass
					13.2	5.573	0.0022	-2.5 to 2.5	Pass
				-30	12	2.453	0.0010	-2.5 to 2.5	Pass
				-20	12	0.753	0.0003	-2.5 to 2.5	Pass
				-10	12	-2.106	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.273	-0.0005	-2.5 to 2.5	Pass
				10	12	7.710	0.0031	-2.5 to 2.5	Pass
				30	12	3.720	0.0015	-2.5 to 2.5	Pass
				40	12	5.808	0.0023	-2.5 to 2.5	Pass
	2593	50	0	50	12	7.613	0.0030	-2.5 to 2.5	Pass
				20	10.8	7.361	0.0028	-2.5 to 2.5	Pass
					12	0.481	0.0002	-2.5 to 2.5	Pass
					13.2	2.753	0.0011	-2.5 to 2.5	Pass
				-30	12	3.929	0.0015	-2.5 to 2.5	Pass
				-20	12	2.600	0.0010	-2.5 to 2.5	Pass
				-10	12	-2.116	-0.0008	-2.5 to 2.5	Pass
				0	12	6.714	0.0026	-2.5 to 2.5	Pass
				10	12	10.634	0.0041	-2.5 to 2.5	Pass
				30	12	4.685	0.0018	-2.5 to 2.5	Pass
				40	12	-5.608	-0.0022	-2.5 to 2.5	Pass
	2685	50	0	50	12	10.129	0.0039	-2.5 to 2.5	Pass
				20	10.8	-6.398	-0.0024	-2.5 to 2.5	Pass
					12	-0.782	-0.0003	-2.5 to 2.5	Pass
					13.2	0.596	0.0002	-2.5 to 2.5	Pass
				-30	12	-3.077	-0.0011	-2.5 to 2.5	Pass
				-20	12	2.135	0.0008	-2.5 to 2.5	Pass
				-10	12	-2.017	-0.0008	-2.5 to 2.5	Pass
				0	12	3.064	0.0011	-2.5 to 2.5	Pass
				10	12	2.738	0.0010	-2.5 to 2.5	Pass
				30	12	4.821	0.0018	-2.5 to 2.5	Pass
				40	12	5.701	0.0021	-2.5 to 2.5	Pass
64QAM	2501	50	0	20	10.8	0.350	0.0001	-2.5 to 2.5	Pass
					12	1.215	0.0005	-2.5 to 2.5	Pass
					13.2	1.378	0.0006	-2.5 to 2.5	Pass
				-30	12	5.103	0.0020	-2.5 to 2.5	Pass
				-20	12	3.868	0.0015	-2.5 to 2.5	Pass
				-10	12	0.687	0.0003	-2.5 to 2.5	Pass
				0	12	2.685	0.0011	-2.5 to 2.5	Pass
				10	12	0.474	0.0002	-2.5 to 2.5	Pass
				30	12	-1.710	-0.0007	-2.5 to 2.5	Pass
				40	12	-7.896	-0.0032	-2.5 to 2.5	Pass
				50	12	13.187	0.0053	-2.5 to 2.5	Pass
	2593	50	0	20	10.8	1.438	0.0006	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH-Check@sgs.com or at www.sgs.com/en/Check.aspx

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

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

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

256QAM	2685	50	0		12	4.466	0.0017	-2.5 to 2.5	Pass
					13.2	6.099	0.0024	-2.5 to 2.5	Pass
					-30	12	-1.087	-0.0004	Pass
					-20	12	0.844	0.0003	Pass
					-10	12	0.851	0.0003	Pass
					0	12	6.582	0.0025	Pass
					10	12	5.581	0.0022	Pass
					30	12	-3.267	-0.0013	Pass
					40	12	-0.152	-0.0001	Pass
					50	12	3.768	0.0015	Pass
				20	10.8	4.355	0.0016	-2.5 to 2.5	Pass
					12	10.253	0.0038	-2.5 to 2.5	Pass
					13.2	-2.451	-0.0009	-2.5 to 2.5	Pass
					-30	12	-0.276	-0.0001	Pass
					-20	12	3.668	0.0014	Pass
					-10	12	7.538	0.0028	Pass
					0	12	-0.272	-0.0001	Pass
					10	12	-0.076	0.0000	Pass
					30	12	0.989	0.0004	Pass
					40	12	2.217	0.0008	Pass
					50	12	0.438	0.0002	Pass
	2501	50	0	20	10.8	7.998	0.0032	-2.5 to 2.5	Pass
					12	4.519	0.0018	-2.5 to 2.5	Pass
					13.2	-0.133	-0.0001	-2.5 to 2.5	Pass
					-30	12	3.096	0.0012	Pass
					-20	12	1.159	0.0005	Pass
					-10	12	1.493	0.0006	Pass
					0	12	-3.653	-0.0015	Pass
					10	12	7.112	0.0028	Pass
					30	12	3.673	0.0015	Pass
					40	12	6.177	0.0025	Pass
					50	12	-6.459	-0.0026	Pass
				20	10.8	-0.044	0.0000	-2.5 to 2.5	Pass
					12	7.952	0.0031	-2.5 to 2.5	Pass
					13.2	0.885	0.0003	-2.5 to 2.5	Pass
					-30	12	0.205	0.0001	Pass
					-20	12	-0.564	-0.0002	Pass
					-10	12	12.292	0.0047	Pass
					0	12	1.745	0.0007	Pass
					10	12	5.657	0.0022	Pass
					30	12	-2.077	-0.0008	Pass
					40	12	-3.177	-0.0012	Pass
					50	12	1.056	0.0004	Pass
	2685	50	0	20	10.8	-0.125	0.0000	-2.5 to 2.5	Pass
					12	9.127	0.0034	-2.5 to 2.5	Pass
					13.2	6.575	0.0024	-2.5 to 2.5	Pass
					-30	12	2.091	0.0008	Pass
					-20	12	3.510	0.0013	Pass
					-10	12	2.055	0.0008	Pass
					0	12	9.655	0.0036	Pass
					10	12	5.510	0.0021	Pass
					30	12	1.902	0.0007	Pass
					40	12	3.953	0.0015	Pass
					50	12	11.367	0.0042	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please connect us at sgs.china@sgs.com or www.sgs.com or www.sgs.com.cn.

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

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

10.3 B41_15MHz

10.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	10.8	-2.251	-0.0009	-2.5 to 2.5	Pass
					12	10.656	0.0043	-2.5 to 2.5	Pass
					13.2	-1.214	-0.0005	-2.5 to 2.5	Pass
				-30	12	5.107	0.0020	-2.5 to 2.5	Pass
				-20	12	-8.523	-0.0034	-2.5 to 2.5	Pass
				-10	12	2.945	0.0012	-2.5 to 2.5	Pass
				0	12	5.693	0.0023	-2.5 to 2.5	Pass
				10	12	2.353	0.0009	-2.5 to 2.5	Pass
				30	12	1.232	0.0005	-2.5 to 2.5	Pass
				40	12	5.409	0.0022	-2.5 to 2.5	Pass
				50	12	5.798	0.0023	-2.5 to 2.5	Pass
	2593	75	0	20	10.8	0.583	0.0002	-2.5 to 2.5	Pass
					12	4.016	0.0015	-2.5 to 2.5	Pass
					13.2	1.652	0.0006	-2.5 to 2.5	Pass
				-30	12	2.234	0.0009	-2.5 to 2.5	Pass
				-20	12	-2.310	-0.0009	-2.5 to 2.5	Pass
				-10	12	-3.212	-0.0012	-2.5 to 2.5	Pass
				0	12	-7.345	-0.0028	-2.5 to 2.5	Pass
				10	12	1.025	0.0004	-2.5 to 2.5	Pass
				30	12	-2.047	-0.0008	-2.5 to 2.5	Pass
				40	12	2.404	0.0009	-2.5 to 2.5	Pass
				50	12	-0.321	-0.0001	-2.5 to 2.5	Pass
	2682.5	75	0	20	10.8	5.084	0.0019	-2.5 to 2.5	Pass
					12	4.587	0.0017	-2.5 to 2.5	Pass
					13.2	4.584	0.0017	-2.5 to 2.5	Pass
				-30	12	-2.831	-0.0011	-2.5 to 2.5	Pass
				-20	12	3.062	0.0011	-2.5 to 2.5	Pass
				-10	12	-1.149	-0.0004	-2.5 to 2.5	Pass
				0	12	2.186	0.0008	-2.5 to 2.5	Pass
				10	12	5.324	0.0020	-2.5 to 2.5	Pass
				30	12	1.440	0.0005	-2.5 to 2.5	Pass
				40	12	-2.849	-0.0011	-2.5 to 2.5	Pass
				50	12	4.666	0.0017	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	10.8	2.559	0.0010	-2.5 to 2.5	Pass
					12	10.374	0.0041	-2.5 to 2.5	Pass
					13.2	6.491	0.0026	-2.5 to 2.5	Pass
				-30	12	4.108	0.0016	-2.5 to 2.5	Pass
				-20	12	6.068	0.0024	-2.5 to 2.5	Pass
				-10	12	3.995	0.0016	-2.5 to 2.5	Pass
				0	12	-0.191	-0.0001	-2.5 to 2.5	Pass
				10	12	0.945	0.0004	-2.5 to 2.5	Pass
				30	12	5.715	0.0023	-2.5 to 2.5	Pass
				40	12	-2.039	-0.0008	-2.5 to 2.5	Pass
				50	12	-2.864	-0.0011	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing conclusion report & certificate, please connect us at least one (86-512)95977044 or email: CH-Check@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

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

	2593	75	0	20	10.8	0.363	0.0001	-2.5 to 2.5	Pass
					12	0.288	0.0001	-2.5 to 2.5	Pass
					13.2	-5.518	-0.0021	-2.5 to 2.5	Pass
				-30	12	-3.661	-0.0014	-2.5 to 2.5	Pass
				-20	12	-1.086	-0.0004	-2.5 to 2.5	Pass
				-10	12	6.898	0.0027	-2.5 to 2.5	Pass
				0	12	-3.116	-0.0012	-2.5 to 2.5	Pass
				10	12	-1.896	-0.0007	-2.5 to 2.5	Pass
				30	12	-2.903	-0.0011	-2.5 to 2.5	Pass
				40	12	2.114	0.0008	-2.5 to 2.5	Pass
	50	12	4.314	0.0017	-2.5 to 2.5	Pass			
	2682.5	75	0	20	10.8	-4.666	-0.0017	-2.5 to 2.5	Pass
					12	6.538	0.0024	-2.5 to 2.5	Pass
					13.2	8.624	0.0032	-2.5 to 2.5	Pass
				-30	12	4.567	0.0017	-2.5 to 2.5	Pass
				-20	12	5.831	0.0022	-2.5 to 2.5	Pass
				-10	12	-2.785	-0.0010	-2.5 to 2.5	Pass
				0	12	2.174	0.0008	-2.5 to 2.5	Pass
				10	12	2.539	0.0009	-2.5 to 2.5	Pass
				30	12	5.435	0.0020	-2.5 to 2.5	Pass
40				12	9.493	0.0035	-2.5 to 2.5	Pass	
50	12	8.729	0.0033	-2.5 to 2.5	Pass				
64QAM	2503.5	75	0	20	10.8	6.291	0.0025	-2.5 to 2.5	Pass
					12	6.745	0.0027	-2.5 to 2.5	Pass
					13.2	7.234	0.0029	-2.5 to 2.5	Pass
				-30	12	1.849	0.0007	-2.5 to 2.5	Pass
				-20	12	7.704	0.0031	-2.5 to 2.5	Pass
				-10	12	4.672	0.0019	-2.5 to 2.5	Pass
				0	12	0.479	0.0002	-2.5 to 2.5	Pass
				10	12	3.323	0.0013	-2.5 to 2.5	Pass
				30	12	5.689	0.0023	-2.5 to 2.5	Pass
				40	12	-1.287	-0.0005	-2.5 to 2.5	Pass
	50	12	1.763	0.0007	-2.5 to 2.5	Pass			
	2593	75	0	20	10.8	-0.226	-0.0001	-2.5 to 2.5	Pass
					12	-2.444	-0.0009	-2.5 to 2.5	Pass
					13.2	2.325	0.0009	-2.5 to 2.5	Pass
				-30	12	-0.925	-0.0004	-2.5 to 2.5	Pass
				-20	12	4.126	0.0016	-2.5 to 2.5	Pass
				-10	12	-1.470	-0.0006	-2.5 to 2.5	Pass
				0	12	-0.241	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.566	-0.0002	-2.5 to 2.5	Pass
				30	12	4.992	0.0019	-2.5 to 2.5	Pass
				40	12	3.759	0.0014	-2.5 to 2.5	Pass
	50	12	0.413	0.0002	-2.5 to 2.5	Pass			
	2682.5	75	0	20	10.8	1.220	0.0005	-2.5 to 2.5	Pass
					12	2.222	0.0008	-2.5 to 2.5	Pass
					13.2	-1.054	-0.0004	-2.5 to 2.5	Pass
				-30	12	4.468	0.0017	-2.5 to 2.5	Pass
				-20	12	6.020	0.0022	-2.5 to 2.5	Pass
				-10	12	-3.283	-0.0012	-2.5 to 2.5	Pass
				0	12	-5.937	-0.0022	-2.5 to 2.5	Pass
				10	12	6.964	0.0026	-2.5 to 2.5	Pass
30				12	2.528	0.0009	-2.5 to 2.5	Pass	
40				12	-2.996	-0.0011	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed on the reverse. Inquiries on request are available at <http://www.irs.com/Terms-and-Conditions.asp> and, for electronic form documents, subject to Terms and Conditions for Electronic Documents at <http://www.irs.com/electronic-form-terms-and-conditions/Terms-a-Document.asp>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced or stored in a retrieval system without the written permission of the Company. Any unauthorized alteration or reproduction of the content or appearance of this document is unlawful and offenders may be prosecuted to the full extent of the law. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

886-51257356888 886-51257370818 www.agsgroup.com.cn
 886-51257356888 886-51257370818 ags.china@ags.com

256QAM	2503.5	75	0	50	12	11.183	0.0042	-2.5 to 2.5	Pass
				20	10.8	8.933	0.0036	-2.5 to 2.5	Pass
					12	0.386	0.0002	-2.5 to 2.5	Pass
					13.2	3.626	0.0014	-2.5 to 2.5	Pass
				-30	12	9.824	0.0039	-2.5 to 2.5	Pass
				-20	12	-0.373	-0.0001	-2.5 to 2.5	Pass
				-10	12	5.720	0.0023	-2.5 to 2.5	Pass
				0	12	4.956	0.0020	-2.5 to 2.5	Pass
				10	12	3.965	0.0016	-2.5 to 2.5	Pass
				30	12	2.856	0.0011	-2.5 to 2.5	Pass
	2593	75	0	40	12	7.273	0.0029	-2.5 to 2.5	Pass
				50	12	2.481	0.0010	-2.5 to 2.5	Pass
				20	10.8	4.976	0.0019	-2.5 to 2.5	Pass
					12	-1.149	-0.0004	-2.5 to 2.5	Pass
					13.2	4.569	0.0018	-2.5 to 2.5	Pass
				-30	12	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.006	0.0000	-2.5 to 2.5	Pass
				-10	12	7.371	0.0028	-2.5 to 2.5	Pass
				0	12	-4.338	-0.0017	-2.5 to 2.5	Pass
				10	12	-11.702	-0.0045	-2.5 to 2.5	Pass
	2682.5	75	0	30	12	6.007	0.0023	-2.5 to 2.5	Pass
				40	12	-0.267	-0.0001	-2.5 to 2.5	Pass
				50	12	-3.608	-0.0014	-2.5 to 2.5	Pass
				20	10.8	1.567	0.0006	-2.5 to 2.5	Pass
					12	-1.719	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.466	-0.0005	-2.5 to 2.5	Pass
				-30	12	-2.576	-0.0010	-2.5 to 2.5	Pass
				-20	12	4.337	0.0016	-2.5 to 2.5	Pass
				-10	12	-2.688	-0.0010	-2.5 to 2.5	Pass
				0	12	3.033	0.0011	-2.5 to 2.5	Pass
				10	12	2.193	0.0008	-2.5 to 2.5	Pass
				30	12	4.874	0.0018	-2.5 to 2.5	Pass
				40	12	-3.535	-0.0013	-2.5 to 2.5	Pass
				50	12	3.369	0.0013	-2.5 to 2.5	Pass

10.4 B41_20MHz

10.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	10.8	-0.954	-0.0004	-2.5 to 2.5	Pass
					12	7.673	0.0031	-2.5 to 2.5	Pass
					13.2	1.134	0.0005	-2.5 to 2.5	Pass
				-30	12	0.108	0.0000	-2.5 to 2.5	Pass
				-20	12	-1.624	-0.0006	-2.5 to 2.5	Pass
				-10	12	6.075	0.0024	-2.5 to 2.5	Pass
				0	12	-0.276	-0.0001	-2.5 to 2.5	Pass
				10	12	7.933	0.0032	-2.5 to 2.5	Pass
				30	12	7.863	0.0031	-2.5 to 2.5	Pass
				40	12	3.687	0.0015	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.
 No. 18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留學生创业园伟业路18号 邮编 215300
 0512-515735088 0512-515737010 www.sgs.com.cn
 0512-515735088 0512-515737010 sgs.china@sgs.com

	2593	100	0	50	12	8.430	0.0034	-2.5 to 2.5	Pass
				20	10.8	0.661	0.0003	-2.5 to 2.5	Pass
					12	-0.005	0.0000	-2.5 to 2.5	Pass
					13.2	1.353	0.0005	-2.5 to 2.5	Pass
				-30	12	3.756	0.0014	-2.5 to 2.5	Pass
				-20	12	7.679	0.0030	-2.5 to 2.5	Pass
				-10	12	4.739	0.0018	-2.5 to 2.5	Pass
				0	12	-3.247	-0.0013	-2.5 to 2.5	Pass
				10	12	2.594	0.0010	-2.5 to 2.5	Pass
				30	12	2.870	0.0011	-2.5 to 2.5	Pass
	40	12	-0.006	0.0000	-2.5 to 2.5	Pass			
	50	12	-1.929	-0.0007	-2.5 to 2.5	Pass			
	2680	100	0	20	10.8	-3.740	-0.0014	-2.5 to 2.5	Pass
					12	1.861	0.0007	-2.5 to 2.5	Pass
					13.2	7.502	0.0028	-2.5 to 2.5	Pass
				-30	12	-1.508	-0.0006	-2.5 to 2.5	Pass
				-20	12	2.848	0.0011	-2.5 to 2.5	Pass
				-10	12	6.425	0.0024	-2.5 to 2.5	Pass
				0	12	1.816	0.0007	-2.5 to 2.5	Pass
				10	12	9.019	0.0034	-2.5 to 2.5	Pass
30				12	4.061	0.0015	-2.5 to 2.5	Pass	
40				12	6.106	0.0023	-2.5 to 2.5	Pass	
50	12	-1.649	-0.0006	-2.5 to 2.5	Pass				
16QAM	2506	100	0	20	10.8	4.166	0.0017	-2.5 to 2.5	Pass
					12	3.808	0.0015	-2.5 to 2.5	Pass
					13.2	1.366	0.0005	-2.5 to 2.5	Pass
				-30	12	0.574	0.0002	-2.5 to 2.5	Pass
				-20	12	-1.841	-0.0007	-2.5 to 2.5	Pass
				-10	12	-5.595	-0.0022	-2.5 to 2.5	Pass
				0	12	-0.158	-0.0001	-2.5 to 2.5	Pass
				10	12	3.794	0.0015	-2.5 to 2.5	Pass
				30	12	2.982	0.0012	-2.5 to 2.5	Pass
				40	12	5.509	0.0022	-2.5 to 2.5	Pass
	50	12	3.162	0.0013	-2.5 to 2.5	Pass			
	2593	100	0	20	10.8	9.303	0.0036	-2.5 to 2.5	Pass
					12	1.440	0.0006	-2.5 to 2.5	Pass
					13.2	9.457	0.0036	-2.5 to 2.5	Pass
				-30	12	-0.390	-0.0002	-2.5 to 2.5	Pass
				-20	12	1.876	0.0007	-2.5 to 2.5	Pass
				-10	12	10.667	0.0041	-2.5 to 2.5	Pass
				0	12	3.944	0.0015	-2.5 to 2.5	Pass
				10	12	5.262	0.0020	-2.5 to 2.5	Pass
				30	12	1.064	0.0004	-2.5 to 2.5	Pass
				40	12	-1.010	-0.0004	-2.5 to 2.5	Pass
	50	12	0.334	0.0001	-2.5 to 2.5	Pass			
	2680	100	0	20	10.8	-2.219	-0.0008	-2.5 to 2.5	Pass
					12	-0.677	-0.0003	-2.5 to 2.5	Pass
					13.2	-3.743	-0.0014	-2.5 to 2.5	Pass
				-30	12	2.482	0.0009	-2.5 to 2.5	Pass
				-20	12	8.908	0.0033	-2.5 to 2.5	Pass
				-10	12	6.660	0.0025	-2.5 to 2.5	Pass
				0	12	-3.325	-0.0012	-2.5 to 2.5	Pass
				10	12	9.708	0.0036	-2.5 to 2.5	Pass
30				12	-2.215	-0.0008	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed hereon, available on request or accessible at <http://www.egg.com.au/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com.au/terms-and-conditions/terms-and-conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have accepted the General Conditions of Service and the Terms and Conditions of its use, in full, when the holder has received the Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fact report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生創業園偉業路10號 郵編 215300

800-5125735888 800-5125737000 www.sgs.com.cn
 86-5125735888 86-5125737000 sgs.china@sgs.com

64QAM	2506	100	0	40	12	1.590	0.0006	-2.5 to 2.5	Pass
				50	12	-0.849	-0.0003	-2.5 to 2.5	Pass
				20	10.8	5.403	0.0022	-2.5 to 2.5	Pass
					12	2.247	0.0009	-2.5 to 2.5	Pass
					13.2	6.889	0.0027	-2.5 to 2.5	Pass
				-30	12	-0.127	-0.0001	-2.5 to 2.5	Pass
				-20	12	6.917	0.0028	-2.5 to 2.5	Pass
				-10	12	0.335	0.0001	-2.5 to 2.5	Pass
				0	12	2.163	0.0009	-2.5 to 2.5	Pass
				10	12	4.474	0.0018	-2.5 to 2.5	Pass
				30	12	-0.393	-0.0002	-2.5 to 2.5	Pass
				40	12	-2.537	-0.0010	-2.5 to 2.5	Pass
				50	12	0.216	0.0001	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	-2.560	-0.0010	-2.5 to 2.5	Pass
					12	8.956	0.0035	-2.5 to 2.5	Pass
					13.2	5.353	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.828	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.364	0.0009	-2.5 to 2.5	Pass
				-10	12	3.336	0.0013	-2.5 to 2.5	Pass
				0	12	-1.019	-0.0004	-2.5 to 2.5	Pass
				10	12	0.811	0.0003	-2.5 to 2.5	Pass
				30	12	7.093	0.0027	-2.5 to 2.5	Pass
				40	12	-3.714	-0.0014	-2.5 to 2.5	Pass
				50	12	1.500	0.0006	-2.5 to 2.5	Pass
	2680	100	0	20	10.8	0.598	0.0002	-2.5 to 2.5	Pass
					12	-3.836	-0.0014	-2.5 to 2.5	Pass
					13.2	2.594	0.0010	-2.5 to 2.5	Pass
				-30	12	-3.232	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.473	0.0005	-2.5 to 2.5	Pass
				-10	12	6.096	0.0023	-2.5 to 2.5	Pass
				0	12	-0.607	-0.0002	-2.5 to 2.5	Pass
				10	12	-1.454	-0.0005	-2.5 to 2.5	Pass
				30	12	5.124	0.0019	-2.5 to 2.5	Pass
				40	12	-1.609	-0.0006	-2.5 to 2.5	Pass
				50	12	-0.371	-0.0001	-2.5 to 2.5	Pass
256QAM	2506	100	0	20	10.8	7.296	0.0029	-2.5 to 2.5	Pass
					12	5.614	0.0022	-2.5 to 2.5	Pass
					13.2	6.844	0.0027	-2.5 to 2.5	Pass
				-30	12	1.387	0.0006	-2.5 to 2.5	Pass
				-20	12	5.167	0.0021	-2.5 to 2.5	Pass
				-10	12	2.020	0.0008	-2.5 to 2.5	Pass
				0	12	8.288	0.0033	-2.5 to 2.5	Pass
				10	12	-3.483	-0.0014	-2.5 to 2.5	Pass
				30	12	1.622	0.0006	-2.5 to 2.5	Pass
				40	12	-2.200	-0.0009	-2.5 to 2.5	Pass
				50	12	4.087	0.0016	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	0.732	0.0003	-2.5 to 2.5	Pass
					12	-0.083	0.0000	-2.5 to 2.5	Pass
					13.2	1.558	0.0006	-2.5 to 2.5	Pass
				-30	12	3.219	0.0012	-2.5 to 2.5	Pass
				-20	12	6.687	0.0026	-2.5 to 2.5	Pass
				-10	12	5.280	0.0020	-2.5 to 2.5	Pass
				0	12	4.614	0.0018	-2.5 to 2.5	Pass
				10	12	-3.531	-0.0014	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

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

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

	2680	100	0	30	12	-0.023	0.0000	-2.5 to 2.5	Pass
				40	12	6.202	0.0024	-2.5 to 2.5	Pass
				50	12	6.361	0.0025	-2.5 to 2.5	Pass
				20	10.8	4.913	0.0018	-2.5 to 2.5	Pass
					12	2.665	0.0010	-2.5 to 2.5	Pass
					13.2	3.933	0.0015	-2.5 to 2.5	Pass
				-30	12	-1.176	-0.0004	-2.5 to 2.5	Pass
				-20	12	-0.453	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.534	0.0009	-2.5 to 2.5	Pass
				0	12	-1.173	-0.0004	-2.5 to 2.5	Pass
				10	12	1.001	0.0004	-2.5 to 2.5	Pass
				30	12	0.190	0.0001	-2.5 to 2.5	Pass
				40	12	-4.264	-0.0016	-2.5 to 2.5	Pass
				50	12	-1.972	-0.0007	-2.5 to 2.5	Pass

11. Frequency Stability

11.1 B42a_5MHz

11.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	10.8	7.587	0.0022	-2.5 to 2.5	Pass
					12	4.952	0.0014	-2.5 to 2.5	Pass
					13.2	6.025	0.0017	-2.5 to 2.5	Pass
				-30	12	1.060	0.0003	-2.5 to 2.5	Pass
				-20	12	-0.126	0.0000	-2.5 to 2.5	Pass
				-10	12	5.074	0.0015	-2.5 to 2.5	Pass
				0	12	4.836	0.0014	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certification reports & certificates, please connect us at telephone: (86-512) 57370911 or email: CN-Check@sgs.com.

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

16QAM				10	12	5.184	0.0015	-2.5 to 2.5	Pass
				30	12	-7.738	-0.0022	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0002	-2.5 to 2.5	Pass
				50	12	5.810	0.0017	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	-1.148	-0.0003	-2.5 to 2.5	Pass
					12	-3.704	-0.0011	-2.5 to 2.5	Pass
					13.2	5.893	0.0017	-2.5 to 2.5	Pass
				-30	12	4.489	0.0013	-2.5 to 2.5	Pass
				-20	12	-3.541	-0.0010	-2.5 to 2.5	Pass
				-10	12	-1.778	-0.0005	-2.5 to 2.5	Pass
				0	12	1.281	0.0004	-2.5 to 2.5	Pass
				10	12	3.118	0.0009	-2.5 to 2.5	Pass
				30	12	10.690	0.0031	-2.5 to 2.5	Pass
				40	12	1.164	0.0003	-2.5 to 2.5	Pass
				50	12	1.970	0.0006	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	-4.349	-0.0012	-2.5 to 2.5	Pass
					12	-6.158	-0.0017	-2.5 to 2.5	Pass
					13.2	10.949	0.0031	-2.5 to 2.5	Pass
				-30	12	1.224	0.0003	-2.5 to 2.5	Pass
				-20	12	7.777	0.0022	-2.5 to 2.5	Pass
				-10	12	9.597	0.0027	-2.5 to 2.5	Pass
				0	12	-0.155	0.0000	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0001	-2.5 to 2.5	Pass
				30	12	3.099	0.0009	-2.5 to 2.5	Pass
				40	12	-7.498	-0.0021	-2.5 to 2.5	Pass
				50	12	0.141	0.0000	-2.5 to 2.5	Pass
	3452.5	25	0	20	10.8	2.992	0.0009	-2.5 to 2.5	Pass
					12	3.004	0.0009	-2.5 to 2.5	Pass
					13.2	6.563	0.0019	-2.5 to 2.5	Pass
				-30	12	6.286	0.0018	-2.5 to 2.5	Pass
				-20	12	-1.529	-0.0004	-2.5 to 2.5	Pass
				-10	12	3.050	0.0009	-2.5 to 2.5	Pass
				0	12	11.451	0.0033	-2.5 to 2.5	Pass
				10	12	-6.342	-0.0018	-2.5 to 2.5	Pass
				30	12	-3.750	-0.0011	-2.5 to 2.5	Pass
				40	12	-8.670	-0.0025	-2.5 to 2.5	Pass
				50	12	5.848	0.0017	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	2.527	0.0007	-2.5 to 2.5	Pass
					12	-10.535	-0.0030	-2.5 to 2.5	Pass
					13.2	0.427	0.0001	-2.5 to 2.5	Pass
				-30	12	9.149	0.0026	-2.5 to 2.5	Pass
				-20	12	0.637	0.0002	-2.5 to 2.5	Pass
				-10	12	-2.680	-0.0008	-2.5 to 2.5	Pass
				0	12	1.150	0.0003	-2.5 to 2.5	Pass
				10	12	3.303	0.0009	-2.5 to 2.5	Pass
				30	12	0.674	0.0002	-2.5 to 2.5	Pass
				40	12	-3.381	-0.0010	-2.5 to 2.5	Pass
				50	12	0.351	0.0001	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	0.887	0.0003	-2.5 to 2.5	Pass
					12	6.278	0.0018	-2.5 to 2.5	Pass
					13.2	-0.672	-0.0002	-2.5 to 2.5	Pass
				-30	12	0.316	0.0001	-2.5 to 2.5	Pass
				-20	12	-3.561	-0.0010	-2.5 to 2.5	Pass
				-10	12	6.945	0.0020	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

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

0512-57350888 0512-57370911 www.sgs.com.cn
0512-5157350883 0512-5157370911 sgs.china@sgs.com

				0	12	5.614	0.0016	-2.5 to 2.5	Pass
				10	12	4.753	0.0013	-2.5 to 2.5	Pass
				30	12	-2.295	-0.0006	-2.5 to 2.5	Pass
				40	12	2.856	0.0008	-2.5 to 2.5	Pass
				50	12	-4.877	-0.0014	-2.5 to 2.5	Pass
64QAM	3452.5	25	0	20	10.8	-3.595	-0.0010	-2.5 to 2.5	Pass
					12	-0.906	-0.0003	-2.5 to 2.5	Pass
					13.2	0.474	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.896	-0.0003	-2.5 to 2.5	Pass
				-20	12	-2.660	-0.0008	-2.5 to 2.5	Pass
				-10	12	2.921	0.0008	-2.5 to 2.5	Pass
				0	12	13.738	0.0040	-2.5 to 2.5	Pass
				10	12	-9.046	-0.0026	-2.5 to 2.5	Pass
				30	12	4.428	0.0013	-2.5 to 2.5	Pass
				40	12	2.710	0.0008	-2.5 to 2.5	Pass
				50	12	1.181	0.0003	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	7.165	0.0020	-2.5 to 2.5	Pass
					12	-0.074	0.0000	-2.5 to 2.5	Pass
					13.2	-8.221	-0.0023	-2.5 to 2.5	Pass
				-30	12	-1.474	-0.0004	-2.5 to 2.5	Pass
				-20	12	-5.947	-0.0017	-2.5 to 2.5	Pass
				-10	12	6.047	0.0017	-2.5 to 2.5	Pass
				0	12	5.554	0.0016	-2.5 to 2.5	Pass
				10	12	3.830	0.0011	-2.5 to 2.5	Pass
				30	12	-2.039	-0.0006	-2.5 to 2.5	Pass
				40	12	-2.744	-0.0008	-2.5 to 2.5	Pass
				50	12	10.098	0.0029	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	-1.909	-0.0005	-2.5 to 2.5	Pass
					12	3.967	0.0011	-2.5 to 2.5	Pass
					13.2	2.632	0.0007	-2.5 to 2.5	Pass
				-30	12	1.507	0.0004	-2.5 to 2.5	Pass
				-20	12	-7.386	-0.0021	-2.5 to 2.5	Pass
				-10	12	5.202	0.0015	-2.5 to 2.5	Pass
				0	12	-1.001	-0.0003	-2.5 to 2.5	Pass
				10	12	4.121	0.0012	-2.5 to 2.5	Pass
				30	12	0.085	0.0000	-2.5 to 2.5	Pass
				40	12	-10.105	-0.0028	-2.5 to 2.5	Pass
256QAM	3452.5	25	0	20	10.8	3.040	0.0009	-2.5 to 2.5	Pass
					12	-3.407	-0.0010	-2.5 to 2.5	Pass
					13.2	7.153	0.0021	-2.5 to 2.5	Pass
				-30	12	5.368	0.0016	-2.5 to 2.5	Pass
				-20	12	10.578	0.0031	-2.5 to 2.5	Pass
				-10	12	9.606	0.0028	-2.5 to 2.5	Pass
				0	12	10.937	0.0032	-2.5 to 2.5	Pass
				10	12	3.808	0.0011	-2.5 to 2.5	Pass
				30	12	1.802	0.0005	-2.5 to 2.5	Pass
				40	12	-0.906	-0.0003	-2.5 to 2.5	Pass
				50	12	2.412	0.0007	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	-10.034	-0.0029	-2.5 to 2.5	Pass
					12	-8.841	-0.0025	-2.5 to 2.5	Pass
					13.2	2.884	0.0008	-2.5 to 2.5	Pass
				-30	12	-3.630	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.600	0.0002	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs.china@sgs.com or www.sgs.com or www.sgs.com.cn

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

005-512157350888 006-512157370911 www.sgs.com.cn

005-512157350888 006-512157370911 sgs.china@sgs.com

				-10	12	0.103	0.0000	-2.5 to 2.5	Pass
				0	12	1.712	0.0005	-2.5 to 2.5	Pass
				10	12	-2.279	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.090	0.0000	-2.5 to 2.5	Pass
				40	12	-6.945	-0.0020	-2.5 to 2.5	Pass
				50	12	-0.624	-0.0002	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	10.879	0.0031	-2.5 to 2.5	Pass
					12	-1.458	-0.0004	-2.5 to 2.5	Pass
					13.2	5.881	0.0017	-2.5 to 2.5	Pass
				-30	12	-5.438	-0.0015	-2.5 to 2.5	Pass
				-20	12	-6.543	-0.0018	-2.5 to 2.5	Pass
				-10	12	-9.606	-0.0027	-2.5 to 2.5	Pass
				0	12	-12.911	-0.0036	-2.5 to 2.5	Pass
				10	12	-7.729	-0.0022	-2.5 to 2.5	Pass
				30	12	4.815	0.0014	-2.5 to 2.5	Pass
				40	12	6.698	0.0019	-2.5 to 2.5	Pass
				50	12	-2.556	-0.0007	-2.5 to 2.5	Pass

11.2 B42a_10MHz

11.2.1 Test Result

Band: 42a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3455	50	0	20	10.8	-5.011	-0.0015	-2.5 to 2.5	Pass
					12	-1.092	-0.0003	-2.5 to 2.5	Pass
					13.2	-3.978	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.878	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.280	0.0001	-2.5 to 2.5	Pass
				-10	12	-3.753	-0.0011	-2.5 to 2.5	Pass
				0	12	-1.169	-0.0003	-2.5 to 2.5	Pass
				10	12	-1.638	-0.0005	-2.5 to 2.5	Pass
				30	12	4.261	0.0012	-2.5 to 2.5	Pass
				40	12	8.093	0.0023	-2.5 to 2.5	Pass
				50	12	1.217	0.0004	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	-4.999	-0.0014	-2.5 to 2.5	Pass
					12	2.657	0.0008	-2.5 to 2.5	Pass
					13.2	7.903	0.0023	-2.5 to 2.5	Pass
				-30	12	9.316	0.0027	-2.5 to 2.5	Pass
				-20	12	6.717	0.0019	-2.5 to 2.5	Pass
				-10	12	0.131	0.0000	-2.5 to 2.5	Pass
				0	12	3.217	0.0009	-2.5 to 2.5	Pass
				10	12	-3.356	-0.0010	-2.5 to 2.5	Pass
				30	12	2.746	0.0008	-2.5 to 2.5	Pass
				40	12	2.563	0.0007	-2.5 to 2.5	Pass
				50	12	2.018	0.0006	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	-4.218	-0.0012	-2.5 to 2.5	Pass
					12	1.943	0.0005	-2.5 to 2.5	Pass
					13.2	1.582	0.0004	-2.5 to 2.5	Pass
				-30	12	-0.288	-0.0001	-2.5 to 2.5	Pass
				-20	12	5.548	0.0016	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate and report, please contact us at sgs@sgs.com or sgs@sgs.com or sgs@sgs.com.

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

0512-57350888 0512-57370919 www.sgs.com.cn

0512-57350888 0512-57370919 sgs.china@sgs.com

				-10	12	-0.526	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.774	-0.0002	-2.5 to 2.5	Pass
				10	12	8.759	0.0025	-2.5 to 2.5	Pass
				30	12	3.807	0.0011	-2.5 to 2.5	Pass
				40	12	8.730	0.0025	-2.5 to 2.5	Pass
				50	12	-3.885	-0.0011	-2.5 to 2.5	Pass
16QAM	3455	50	0	20	10.8	5.743	0.0017	-2.5 to 2.5	Pass
					12	6.231	0.0018	-2.5 to 2.5	Pass
					13.2	2.977	0.0009	-2.5 to 2.5	Pass
				-30	12	5.583	0.0016	-2.5 to 2.5	Pass
				-20	12	5.420	0.0016	-2.5 to 2.5	Pass
				-10	12	-0.707	-0.0002	-2.5 to 2.5	Pass
				0	12	11.644	0.0034	-2.5 to 2.5	Pass
				10	12	3.033	0.0009	-2.5 to 2.5	Pass
				30	12	2.107	0.0006	-2.5 to 2.5	Pass
				40	12	3.563	0.0010	-2.5 to 2.5	Pass
				50	12	2.627	0.0008	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	4.208	0.0012	-2.5 to 2.5	Pass
					12	3.563	0.0010	-2.5 to 2.5	Pass
					13.2	-2.440	-0.0007	-2.5 to 2.5	Pass
				-30	12	-1.418	-0.0004	-2.5 to 2.5	Pass
				-20	12	3.655	0.0010	-2.5 to 2.5	Pass
				-10	12	-3.755	-0.0011	-2.5 to 2.5	Pass
				0	12	-4.304	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.607	-0.0002	-2.5 to 2.5	Pass
				30	12	-5.295	-0.0015	-2.5 to 2.5	Pass
				40	12	2.702	0.0008	-2.5 to 2.5	Pass
				50	12	0.127	0.0000	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	2.829	0.0008	-2.5 to 2.5	Pass
					12	-2.974	-0.0008	-2.5 to 2.5	Pass
					13.2	4.242	0.0012	-2.5 to 2.5	Pass
				-30	12	0.750	0.0002	-2.5 to 2.5	Pass
				-20	12	4.899	0.0014	-2.5 to 2.5	Pass
				-10	12	6.254	0.0018	-2.5 to 2.5	Pass
				0	12	8.155	0.0023	-2.5 to 2.5	Pass
				10	12	7.144	0.0020	-2.5 to 2.5	Pass
				30	12	1.924	0.0005	-2.5 to 2.5	Pass
				40	12	0.728	0.0002	-2.5 to 2.5	Pass
				50	12	-2.505	-0.0007	-2.5 to 2.5	Pass
64QAM	3455	50	0	20	10.8	1.770	0.0005	-2.5 to 2.5	Pass
					12	-0.266	-0.0001	-2.5 to 2.5	Pass
					13.2	1.081	0.0003	-2.5 to 2.5	Pass
				-30	12	-1.098	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.676	0.0008	-2.5 to 2.5	Pass
				-10	12	14.639	0.0042	-2.5 to 2.5	Pass
				0	12	8.088	0.0023	-2.5 to 2.5	Pass
				10	12	-2.136	-0.0006	-2.5 to 2.5	Pass
				30	12	-2.654	-0.0008	-2.5 to 2.5	Pass
				40	12	4.747	0.0014	-2.5 to 2.5	Pass
				50	12	-2.983	-0.0009	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	7.398	0.0021	-2.5 to 2.5	Pass
					12	-3.988	-0.0011	-2.5 to 2.5	Pass
					13.2	-2.439	-0.0007	-2.5 to 2.5	Pass
				-30	12	-0.046	0.0000	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs.china@sgs.com or www.sgs.com

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

0086-51215735088 006-51215737010 www.sgs.com cn

0086-51215735088 006-51215737010 sgs.china@sgs.com

256QAM	3545	50	0	-20	12	5.540	0.0016	-2.5 to 2.5	Pass
				-10	12	0.859	0.0002	-2.5 to 2.5	Pass
				0	12	0.161	0.0000	-2.5 to 2.5	Pass
				10	12	-7.481	-0.0021	-2.5 to 2.5	Pass
				30	12	3.778	0.0011	-2.5 to 2.5	Pass
				40	12	5.412	0.0015	-2.5 to 2.5	Pass
				50	12	-0.897	-0.0003	-2.5 to 2.5	Pass
	3455	50	0	20	10.8	8.020	0.0023	-2.5 to 2.5	Pass
					12	3.678	0.0010	-2.5 to 2.5	Pass
					13.2	3.440	0.0010	-2.5 to 2.5	Pass
				-30	12	1.170	0.0003	-2.5 to 2.5	Pass
				-20	12	-4.142	-0.0012	-2.5 to 2.5	Pass
				-10	12	12.757	0.0036	-2.5 to 2.5	Pass
				0	12	10.154	0.0029	-2.5 to 2.5	Pass
				10	12	-0.552	-0.0002	-2.5 to 2.5	Pass
				30	12	4.421	0.0012	-2.5 to 2.5	Pass
				40	12	0.576	0.0002	-2.5 to 2.5	Pass
				50	12	5.255	0.0015	-2.5 to 2.5	Pass
				20	10.8	6.511	0.0019	-2.5 to 2.5	Pass
					12	6.727	0.0019	-2.5 to 2.5	Pass
					13.2	0.478	0.0001	-2.5 to 2.5	Pass
256QAM	3455	50	0	-30	12	-2.192	-0.0006	-2.5 to 2.5	Pass
				-20	12	-6.046	-0.0017	-2.5 to 2.5	Pass
				-10	12	12.105	0.0035	-2.5 to 2.5	Pass
				0	12	-0.339	-0.0001	-2.5 to 2.5	Pass
				10	12	4.365	0.0013	-2.5 to 2.5	Pass
				30	12	7.673	0.0022	-2.5 to 2.5	Pass
				40	12	-3.925	-0.0011	-2.5 to 2.5	Pass
				50	12	4.531	0.0013	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	4.962	0.0014	-2.5 to 2.5	Pass
					12	-0.739	-0.0002	-2.5 to 2.5	Pass
					13.2	-5.474	-0.0016	-2.5 to 2.5	Pass
				-30	12	-2.465	-0.0007	-2.5 to 2.5	Pass
				-20	12	5.513	0.0016	-2.5 to 2.5	Pass
				-10	12	4.825	0.0014	-2.5 to 2.5	Pass
				0	12	1.618	0.0005	-2.5 to 2.5	Pass
				10	12	-2.453	-0.0007	-2.5 to 2.5	Pass
				30	12	7.057	0.0020	-2.5 to 2.5	Pass
				40	12	6.180	0.0018	-2.5 to 2.5	Pass
				50	12	6.434	0.0018	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	8.392	0.0024	-2.5 to 2.5	Pass
					12	10.658	0.0030	-2.5 to 2.5	Pass
					13.2	0.730	0.0002	-2.5 to 2.5	Pass
				-30	12	7.298	0.0021	-2.5 to 2.5	Pass
				-20	12	8.808	0.0025	-2.5 to 2.5	Pass
				-10	12	5.131	0.0014	-2.5 to 2.5	Pass
				0	12	1.004	0.0003	-2.5 to 2.5	Pass
				10	12	4.801	0.0014	-2.5 to 2.5	Pass
				30	12	-0.253	-0.0001	-2.5 to 2.5	Pass
				40	12	-8.489	-0.0024	-2.5 to 2.5	Pass
				50	12	-2.667	-0.0008	-2.5 to 2.5	Pass

11.3 B42a_15MHz



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CN-Check@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

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

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

11.3.1 Test Result

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	10.8	8.263	0.0024	-2.5 to 2.5	Pass
					12	-0.127	0.0000	-2.5 to 2.5	Pass
					13.2	10.89	0.0009	-2.5 to 2.5	Pass
				-30	12	-1.814	-0.0005	-2.5 to 2.5	Pass
				-20	12	1.358	0.0004	-2.5 to 2.5	Pass
				-10	12	3.909	0.0011	-2.5 to 2.5	Pass
				0	12	-1.793	-0.0005	-2.5 to 2.5	Pass
				10	12	7.171	0.0021	-2.5 to 2.5	Pass
				30	12	5.069	0.0015	-2.5 to 2.5	Pass
				40	12	5.049	0.0015	-2.5 to 2.5	Pass
				50	12	-4.388	-0.0013	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	3.698	0.0011	-2.5 to 2.5	Pass
					12	2.441	0.0007	-2.5 to 2.5	Pass
					13.2	-11.094	-0.0032	-2.5 to 2.5	Pass
				-30	12	3.625	0.0010	-2.5 to 2.5	Pass
				-20	12	4.999	0.0014	-2.5 to 2.5	Pass
				-10	12	0.425	0.0001	-2.5 to 2.5	Pass
				0	12	3.872	0.0011	-2.5 to 2.5	Pass
				10	12	8.803	0.0025	-2.5 to 2.5	Pass
				30	12	5.774	0.0016	-2.5 to 2.5	Pass
				40	12	3.365	0.0010	-2.5 to 2.5	Pass
				50	12	2.501	0.0007	-2.5 to 2.5	Pass
	3542.5	75	0	20	10.8	-3.031	-0.0009	-2.5 to 2.5	Pass
					12	5.783	0.0016	-2.5 to 2.5	Pass
					13.2	1.695	0.0005	-2.5 to 2.5	Pass
				-30	12	11.333	0.0032	-2.5 to 2.5	Pass
				-20	12	11.156	0.0031	-2.5 to 2.5	Pass
				-10	12	3.212	0.0009	-2.5 to 2.5	Pass
				0	12	-3.672	-0.0010	-2.5 to 2.5	Pass
				10	12	0.854	0.0002	-2.5 to 2.5	Pass
				30	12	4.779	0.0013	-2.5 to 2.5	Pass
				40	12	-1.050	-0.0003	-2.5 to 2.5	Pass
				50	12	2.978	0.0008	-2.5 to 2.5	Pass
16QAM	3457.5	75	0	20	10.8	7.020	0.0020	-2.5 to 2.5	Pass
					12	-2.863	-0.0008	-2.5 to 2.5	Pass
					13.2	3.286	0.0010	-2.5 to 2.5	Pass
				-30	12	5.033	0.0015	-2.5 to 2.5	Pass
				-20	12	-1.615	-0.0005	-2.5 to 2.5	Pass
				-10	12	1.870	0.0005	-2.5 to 2.5	Pass
				0	12	-5.088	-0.0015	-2.5 to 2.5	Pass
				10	12	5.315	0.0015	-2.5 to 2.5	Pass
				30	12	-2.916	-0.0008	-2.5 to 2.5	Pass
				40	12	3.455	0.0010	-2.5 to 2.5	Pass
				50	12	2.031	0.0006	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	7.679	0.0022	-2.5 to 2.5	Pass
					12	-0.809	-0.0002	-2.5 to 2.5	Pass
					13.2	1.690	0.0005	-2.5 to 2.5	Pass
				-30	12	4.723	0.0013	-2.5 to 2.5	Pass
				-20	12	-3.781	-0.0011	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing report and test certificates, please connect us at least one (86-512)57370911 or email: CH-Check@sgs.com.

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

86-51257370888 86-51257370911 www.sgs.com.cn

86-51257370888 86-51257370911 sgs.china@sgs.com

				-10	12	0.353	0.0001	-2.5 to 2.5	Pass				
				0	12	6.155	0.0018	-2.5 to 2.5	Pass				
				10	12	0.751	0.0002	-2.5 to 2.5	Pass				
				30	12	0.781	0.0002	-2.5 to 2.5	Pass				
				40	12	3.181	0.0009	-2.5 to 2.5	Pass				
				50	12	-2.451	-0.0007	-2.5 to 2.5	Pass				
	3542.5	75	0	20	10.8	3.571	0.0010	-2.5 to 2.5	Pass				
					12	5.786	0.0016	-2.5 to 2.5	Pass				
					13.2	7.420	0.0021	-2.5 to 2.5	Pass				
				-30	12	-1.169	-0.0003	-2.5 to 2.5	Pass				
				-20	12	-0.461	-0.0001	-2.5 to 2.5	Pass				
				-10	12	-0.476	-0.0001	-2.5 to 2.5	Pass				
				0	12	-0.916	-0.0003	-2.5 to 2.5	Pass				
				10	12	2.216	0.0006	-2.5 to 2.5	Pass				
				30	12	-1.312	-0.0004	-2.5 to 2.5	Pass				
				40	12	3.231	0.0009	-2.5 to 2.5	Pass				
				50	12	1.411	0.0004	-2.5 to 2.5	Pass				
				64QAM	3457.5	75	0	20	10.8	7.177	0.0021	-2.5 to 2.5	Pass
									12	0.115	0.0000	-2.5 to 2.5	Pass
13.2	0.724	0.0002	-2.5 to 2.5						Pass				
-30	12	-0.271	-0.0001					-2.5 to 2.5	Pass				
-20	12	11.454	0.0033					-2.5 to 2.5	Pass				
-10	12	-0.185	-0.0001					-2.5 to 2.5	Pass				
0	12	4.461	0.0013					-2.5 to 2.5	Pass				
10	12	-0.479	-0.0001					-2.5 to 2.5	Pass				
30	12	3.776	0.0011					-2.5 to 2.5	Pass				
40	12	-2.811	-0.0008					-2.5 to 2.5	Pass				
50	12	-2.180	-0.0006		-2.5 to 2.5	Pass							
3500	75	0	20		10.8	3.744	0.0011	-2.5 to 2.5	Pass				
					12	17.996	0.0051	-2.5 to 2.5	Pass				
					13.2	3.038	0.0009	-2.5 to 2.5	Pass				
			-30		12	6.081	0.0017	-2.5 to 2.5	Pass				
			-20		12	9.521	0.0027	-2.5 to 2.5	Pass				
			-10		12	9.711	0.0028	-2.5 to 2.5	Pass				
			0		12	6.307	0.0018	-2.5 to 2.5	Pass				
			10		12	-12.495	-0.0036	-2.5 to 2.5	Pass				
			30		12	7.714	0.0022	-2.5 to 2.5	Pass				
			40		12	7.333	0.0021	-2.5 to 2.5	Pass				
50	12	-5.343	-0.0015		-2.5 to 2.5	Pass							
3542.5	75	0	20		10.8	0.107	0.0000	-2.5 to 2.5	Pass				
					12	2.536	0.0007	-2.5 to 2.5	Pass				
					13.2	2.660	0.0008	-2.5 to 2.5	Pass				
			-30		12	3.229	0.0009	-2.5 to 2.5	Pass				
			-20		12	-1.322	-0.0004	-2.5 to 2.5	Pass				
			-10		12	2.214	0.0006	-2.5 to 2.5	Pass				
			0		12	-3.621	-0.0010	-2.5 to 2.5	Pass				
			10		12	-0.183	-0.0001	-2.5 to 2.5	Pass				
			30	12	0.047	0.0000	-2.5 to 2.5	Pass					
			40	12	4.108	0.0012	-2.5 to 2.5	Pass					
50	12	5.745	0.0016	-2.5 to 2.5	Pass								
256QAM	3457.5	75	0	20	10.8	-2.524	-0.0007	-2.5 to 2.5	Pass				
					12	-1.268	-0.0004	-2.5 to 2.5	Pass				
					13.2	-2.084	-0.0006	-2.5 to 2.5	Pass				
				-30	12	2.502	0.0007	-2.5 to 2.5	Pass				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.ags.com.au/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.ags.com.au/terms-and-conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have read, understood and agreed to the Terms and Conditions of the Company's General Conditions of Service and the Client's Instructions. If any, The Company's sole responsibility is to its Client and this document does not generate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is strictly prohibited and may be prosecuted to the full. The Company has otherwise stated the contents of this document only refer to the information contained in the documents referred to and has not reviewed the documents.

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

886-51257356888 886-51257370818 www.agsgroup.com.cn
 886-51257356888 886-51257370818 ags.china@ags.com

				-20	12	0.009	0.0000	-2.5 to 2.5	Pass
				-10	12	2.495	0.0007	-2.5 to 2.5	Pass
				0	12	0.982	0.0003	-2.5 to 2.5	Pass
				10	12	1.236	0.0004	-2.5 to 2.5	Pass
				30	12	-4.193	-0.0012	-2.5 to 2.5	Pass
				40	12	5.887	0.0017	-2.5 to 2.5	Pass
				50	12	8.037	0.0023	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	7.465	0.0021	-2.5 to 2.5	Pass
					12	7.535	0.0022	-2.5 to 2.5	Pass
					13.2	1.028	0.0003	-2.5 to 2.5	Pass
				-30	12	7.051	0.0020	-2.5 to 2.5	Pass
				-20	12	7.110	0.0020	-2.5 to 2.5	Pass
				-10	12	3.819	0.0011	-2.5 to 2.5	Pass
				0	12	3.658	0.0010	-2.5 to 2.5	Pass
				10	12	2.049	0.0006	-2.5 to 2.5	Pass
				30	12	5.560	0.0016	-2.5 to 2.5	Pass
				40	12	-4.306	-0.0012	-2.5 to 2.5	Pass
				50	12	-4.164	-0.0012	-2.5 to 2.5	Pass
	3542.5	75	0	20	10.8	2.817	0.0008	-2.5 to 2.5	Pass
					12	-0.106	0.0000	-2.5 to 2.5	Pass
					13.2	3.489	0.0010	-2.5 to 2.5	Pass
				-30	12	6.052	0.0017	-2.5 to 2.5	Pass
				-20	12	3.166	0.0009	-2.5 to 2.5	Pass
				-10	12	6.460	0.0018	-2.5 to 2.5	Pass
				0	12	0.847	0.0002	-2.5 to 2.5	Pass
				10	12	-3.923	-0.0011	-2.5 to 2.5	Pass
				30	12	1.232	0.0003	-2.5 to 2.5	Pass
				40	12	5.541	0.0016	-2.5 to 2.5	Pass
				50	12	-0.919	-0.0003	-2.5 to 2.5	Pass

11.4 B42a_20MHz

11.4.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	10.8	-5.397	-0.0016	-2.5 to 2.5	Pass
					12	-5.373	-0.0016	-2.5 to 2.5	Pass
					13.2	-1.929	-0.0006	-2.5 to 2.5	Pass
				-30	12	5.199	0.0015	-2.5 to 2.5	Pass
				-20	12	-2.151	-0.0006	-2.5 to 2.5	Pass
				-10	12	3.740	0.0011	-2.5 to 2.5	Pass
				0	12	9.238	0.0027	-2.5 to 2.5	Pass
				10	12	0.076	0.0000	-2.5 to 2.5	Pass
				30	12	-0.339	-0.0001	-2.5 to 2.5	Pass
				40	12	-5.180	-0.0015	-2.5 to 2.5	Pass
				50	12	-0.871	-0.0003	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	-0.451	-0.0001	-2.5 to 2.5	Pass
					12	-9.269	-0.0026	-2.5 to 2.5	Pass
					13.2	6.665	0.0019	-2.5 to 2.5	Pass
				-30	12	11.136	0.0032	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at least one (1) day prior to the test date via email: CH.Official@sgs.com.

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业伟业路10号 邮编 215300

0512-57350888 0512-57370919 www.sgs.com.cn

0512-5157350883 0512-5157370919 sgs.china@sgs.com

				-20	12	-5.355	-0.0015	-2.5 to 2.5	Pass
				-10	12	2.399	0.0007	-2.5 to 2.5	Pass
				0	12	5.830	0.0017	-2.5 to 2.5	Pass
				10	12	0.959	0.0003	-2.5 to 2.5	Pass
				30	12	-3.382	-0.0010	-2.5 to 2.5	Pass
				40	12	2.890	0.0008	-2.5 to 2.5	Pass
				50	12	-4.711	-0.0013	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-3.787	-0.0011	-2.5 to 2.5	Pass
					12	11.798	0.0033	-2.5 to 2.5	Pass
					13.2	-1.545	-0.0004	-2.5 to 2.5	Pass
				-30	12	13.105	0.0037	-2.5 to 2.5	Pass
				-20	12	7.426	0.0021	-2.5 to 2.5	Pass
				-10	12	11.395	0.0032	-2.5 to 2.5	Pass
				0	12	-9.655	-0.0027	-2.5 to 2.5	Pass
				10	12	3.411	0.0010	-2.5 to 2.5	Pass
				30	12	7.246	0.0020	-2.5 to 2.5	Pass
				40	12	1.010	0.0003	-2.5 to 2.5	Pass
				50	12	-7.376	-0.0021	-2.5 to 2.5	Pass
				16QAM	3460	100	0	20	10.8
12	10.185	0.0029	-2.5 to 2.5						Pass
13.2	0.192	0.0001	-2.5 to 2.5						Pass
-30	12	-2.001	-0.0006					-2.5 to 2.5	Pass
-20	12	4.445	0.0013					-2.5 to 2.5	Pass
-10	12	-0.117	0.0000					-2.5 to 2.5	Pass
0	12	2.510	0.0007					-2.5 to 2.5	Pass
10	12	-3.800	-0.0011					-2.5 to 2.5	Pass
30	12	-6.901	-0.0020					-2.5 to 2.5	Pass
40	12	-6.135	-0.0018					-2.5 to 2.5	Pass
50	12	-2.292	-0.0007					-2.5 to 2.5	Pass
3500	100	0	20					10.8	4.604
					12	-1.756	-0.0005	-2.5 to 2.5	Pass
					13.2	0.404	0.0001	-2.5 to 2.5	Pass
			-30		12	-2.322	-0.0007	-2.5 to 2.5	Pass
			-20		12	0.488	0.0001	-2.5 to 2.5	Pass
			-10		12	-3.716	-0.0011	-2.5 to 2.5	Pass
			0		12	2.957	0.0008	-2.5 to 2.5	Pass
			10		12	2.336	0.0007	-2.5 to 2.5	Pass
			30		12	1.204	0.0003	-2.5 to 2.5	Pass
			40		12	2.554	0.0007	-2.5 to 2.5	Pass
			50		12	-4.316	-0.0012	-2.5 to 2.5	Pass
			3540		100	0	20	10.8	-0.644
12	-4.324	-0.0012						-2.5 to 2.5	Pass
13.2	6.817	0.0019						-2.5 to 2.5	Pass
-30	12	0.809					0.0002	-2.5 to 2.5	Pass
-20	12	-1.824					-0.0005	-2.5 to 2.5	Pass
-10	12	3.500					0.0010	-2.5 to 2.5	Pass
0	12	-3.223					-0.0009	-2.5 to 2.5	Pass
10	12	2.758					0.0008	-2.5 to 2.5	Pass
30	12	-1.405					-0.0004	-2.5 to 2.5	Pass
40	12	10.049					0.0028	-2.5 to 2.5	Pass
50	12	-0.367					-0.0001	-2.5 to 2.5	Pass
64QAM	3460	100		0			20	10.8	5.433
			12		0.380	0.0001		-2.5 to 2.5	Pass
			13.2		-7.087	-0.0020		-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. This document is drawn to the attention of the Client, together with the General Conditions of Service and Terms and Conditions, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生創業園偉業路10號 郵編 215300

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

256QAM				-30	12	6.451	0.0019	-2.5 to 2.5	Pass
				-20	12	-1.357	-0.0004	-2.5 to 2.5	Pass
				-10	12	9.223	0.0027	-2.5 to 2.5	Pass
				0	12	-5.397	-0.0016	-2.5 to 2.5	Pass
				10	12	9.443	0.0027	-2.5 to 2.5	Pass
				30	12	3.159	0.0009	-2.5 to 2.5	Pass
				40	12	1.815	0.0005	-2.5 to 2.5	Pass
				50	12	-0.617	-0.0002	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	3.128	0.0009	-2.5 to 2.5	Pass
					12	6.220	0.0018	-2.5 to 2.5	Pass
					13.2	5.136	0.0015	-2.5 to 2.5	Pass
				-30	12	4.777	0.0014	-2.5 to 2.5	Pass
				-20	12	-5.163	-0.0015	-2.5 to 2.5	Pass
				-10	12	-2.856	-0.0008	-2.5 to 2.5	Pass
				0	12	1.902	0.0005	-2.5 to 2.5	Pass
				10	12	-1.883	-0.0005	-2.5 to 2.5	Pass
				30	12	-3.105	-0.0009	-2.5 to 2.5	Pass
				40	12	-7.573	-0.0022	-2.5 to 2.5	Pass
				50	12	3.412	0.0010	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	0.084	0.0000	-2.5 to 2.5	Pass
					12	0.799	0.0002	-2.5 to 2.5	Pass
					13.2	1.732	0.0005	-2.5 to 2.5	Pass
				-30	12	3.365	0.0010	-2.5 to 2.5	Pass
				-20	12	1.804	0.0005	-2.5 to 2.5	Pass
				-10	12	-1.197	-0.0003	-2.5 to 2.5	Pass
				0	12	-0.005	0.0000	-2.5 to 2.5	Pass
				10	12	0.492	0.0001	-2.5 to 2.5	Pass
				30	12	6.210	0.0018	-2.5 to 2.5	Pass
				40	12	-4.194	-0.0012	-2.5 to 2.5	Pass
				50	12	7.388	0.0021	-2.5 to 2.5	Pass
	3460	100	0	20	10.8	2.416	0.0007	-2.5 to 2.5	Pass
					12	3.370	0.0010	-2.5 to 2.5	Pass
					13.2	7.915	0.0023	-2.5 to 2.5	Pass
				-30	12	6.547	0.0019	-2.5 to 2.5	Pass
				-20	12	-6.010	-0.0017	-2.5 to 2.5	Pass
				-10	12	-1.266	-0.0004	-2.5 to 2.5	Pass
				0	12	7.836	0.0023	-2.5 to 2.5	Pass
				10	12	7.401	0.0021	-2.5 to 2.5	Pass
				30	12	-0.995	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.293	-0.0001	-2.5 to 2.5	Pass
				50	12	-2.813	-0.0008	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	7.971	0.0023	-2.5 to 2.5	Pass
					12	3.223	0.0009	-2.5 to 2.5	Pass
					13.2	-2.091	-0.0006	-2.5 to 2.5	Pass
				-30	12	8.505	0.0024	-2.5 to 2.5	Pass
				-20	12	9.561	0.0027	-2.5 to 2.5	Pass
				-10	12	1.593	0.0005	-2.5 to 2.5	Pass
				0	12	-7.626	-0.0022	-2.5 to 2.5	Pass
				10	12	7.299	0.0021	-2.5 to 2.5	Pass
				30	12	0.831	0.0002	-2.5 to 2.5	Pass
				40	12	8.995	0.0026	-2.5 to 2.5	Pass
				50	12	0.608	0.0002	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-4.575	-0.0013	-2.5 to 2.5	Pass
					12	4.253	0.0012	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs.china@sgs.com or CN-Check@sgs.com.

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

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

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

				13.2	-0.353	-0.0001	-2.5 to 2.5	Pass
				-30	12	6.483	0.0018	Pass
				-20	12	2.937	0.0008	Pass
				-10	12	5.494	0.0016	Pass
				0	12	5.400	0.0015	Pass
				10	12	-3.135	-0.0009	Pass
				30	12	5.385	0.0015	Pass
				40	12	8.330	0.0024	Pass
				50	12	-3.681	-0.0010	Pass

12. Frequency Stability

12.1 B42c_5MHz

12.1.1 Test Result

Band: 42c / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	10.8	2.706	0.0008	-2.5 to 2.5	Pass
					12	-4.141	-0.0012	-2.5 to 2.5	Pass
					13.2	7.539	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.013	0.0000	-2.5 to 2.5	Pass
				-20	12	6.337	0.0018	-2.5 to 2.5	Pass
				-10	12	2.442	0.0007	-2.5 to 2.5	Pass
				0	12	-0.998	-0.0003	-2.5 to 2.5	Pass
				10	12	0.333	0.0001	-2.5 to 2.5	Pass
				30	12	1.133	0.0003	-2.5 to 2.5	Pass
				40	12	3.238	0.0009	-2.5 to 2.5	Pass
				50	12	3.597	0.0010	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	-2.001	-0.0006	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing report and certificates, please connect us at CH.Official@sgs.com or email: CH.Official@sgs.com.
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

0512-57350888 0512-57370919 www.sgs.com.cn
0512-5157350883 0512-5157370919 sgs.china@sgs.com

					12	-5.868	-0.0016	-2.5 to 2.5	Pass
					13.2	1.841	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.077	0.0000	-2.5 to 2.5	Pass
				-20	12	-3.042	-0.0009	-2.5 to 2.5	Pass
				-10	12	4.499	0.0013	-2.5 to 2.5	Pass
				0	12	2.507	0.0007	-2.5 to 2.5	Pass
				10	12	0.126	0.0000	-2.5 to 2.5	Pass
				30	12	1.111	0.0003	-2.5 to 2.5	Pass
				40	12	2.949	0.0008	-2.5 to 2.5	Pass
				50	12	13.383	0.0037	-2.5 to 2.5	Pass
	3597.5	25	0		10.8	-4.030	-0.0011	-2.5 to 2.5	Pass
				20	12	-0.835	-0.0002	-2.5 to 2.5	Pass
					13.2	2.553	0.0007	-2.5 to 2.5	Pass
				-30	12	4.075	0.0011	-2.5 to 2.5	Pass
				-20	12	4.832	0.0013	-2.5 to 2.5	Pass
				-10	12	0.314	0.0001	-2.5 to 2.5	Pass
				0	12	1.554	0.0004	-2.5 to 2.5	Pass
				10	12	4.021	0.0011	-2.5 to 2.5	Pass
				30	12	-3.283	-0.0009	-2.5 to 2.5	Pass
				40	12	-6.328	-0.0018	-2.5 to 2.5	Pass
16QAM	3552.5	25	0		10.8	-0.157	0.0000	-2.5 to 2.5	Pass
				20	12	1.258	0.0004	-2.5 to 2.5	Pass
					13.2	7.187	0.0020	-2.5 to 2.5	Pass
				-30	12	3.483	0.0010	-2.5 to 2.5	Pass
				-20	12	-0.988	-0.0003	-2.5 to 2.5	Pass
				-10	12	4.020	0.0011	-2.5 to 2.5	Pass
				0	12	4.183	0.0012	-2.5 to 2.5	Pass
				10	12	2.062	0.0006	-2.5 to 2.5	Pass
				30	12	1.811	0.0005	-2.5 to 2.5	Pass
				40	12	1.901	0.0005	-2.5 to 2.5	Pass
	3575	25	0		10.8	-5.406	-0.0015	-2.5 to 2.5	Pass
				20	12	8.321	0.0023	-2.5 to 2.5	Pass
					13.2	3.435	0.0010	-2.5 to 2.5	Pass
				-30	12	-4.619	-0.0013	-2.5 to 2.5	Pass
				-20	12	2.561	0.0007	-2.5 to 2.5	Pass
				-10	12	4.966	0.0014	-2.5 to 2.5	Pass
				-10	12	3.469	0.0010	-2.5 to 2.5	Pass
				0	12	2.163	0.0006	-2.5 to 2.5	Pass
				10	12	0.858	0.0002	-2.5 to 2.5	Pass
				30	12	1.302	0.0004	-2.5 to 2.5	Pass
	3597.5	25	0		10.8	0.976	0.0003	-2.5 to 2.5	Pass
				20	12	-3.873	-0.0011	-2.5 to 2.5	Pass
					10.8	1.007	0.0003	-2.5 to 2.5	Pass
				20	12	-1.355	-0.0004	-2.5 to 2.5	Pass
					13.2	0.549	0.0002	-2.5 to 2.5	Pass
				-30	12	2.462	0.0007	-2.5 to 2.5	Pass
				-20	12	3.986	0.0011	-2.5 to 2.5	Pass
				-10	12	1.982	0.0006	-2.5 to 2.5	Pass
				0	12	-2.615	-0.0007	-2.5 to 2.5	Pass
				10	12	-2.521	-0.0007	-2.5 to 2.5	Pass
				30	12	-1.611	-0.0004	-2.5 to 2.5	Pass
				40	12	-5.378	-0.0015	-2.5 to 2.5	Pass
				50	12	9.132	0.0025	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs.china@sgs.com or www.sgs.com or www.sgs.com.cn.

No. 18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留學生创业园伟业路18号 邮编 215300

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

64QAM	3552.5	25	0	20	10.8	13.237	0.0037	-2.5 to 2.5	Pass
					12	7.100	0.0020	-2.5 to 2.5	Pass
					13.2	-2.967	-0.0008	-2.5 to 2.5	Pass
				-30	12	-6.784	-0.0019	-2.5 to 2.5	Pass
				-20	12	2.597	0.0007	-2.5 to 2.5	Pass
				-10	12	-5.788	-0.0016	-2.5 to 2.5	Pass
				0	12	-2.317	-0.0007	-2.5 to 2.5	Pass
				10	12	2.941	0.0008	-2.5 to 2.5	Pass
				30	12	-2.093	-0.0006	-2.5 to 2.5	Pass
				40	12	-12.859	-0.0036	-2.5 to 2.5	Pass
				50	12	-8.609	-0.0024	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	4.569	0.0013	-2.5 to 2.5	Pass
					12	1.901	0.0005	-2.5 to 2.5	Pass
					13.2	4.474	0.0013	-2.5 to 2.5	Pass
				-30	12	-1.184	-0.0003	-2.5 to 2.5	Pass
				-20	12	1.428	0.0004	-2.5 to 2.5	Pass
				-10	12	-6.481	-0.0018	-2.5 to 2.5	Pass
				0	12	1.215	0.0003	-2.5 to 2.5	Pass
				10	12	-6.264	-0.0018	-2.5 to 2.5	Pass
				30	12	3.330	0.0009	-2.5 to 2.5	Pass
				40	12	10.989	0.0031	-2.5 to 2.5	Pass
				50	12	-4.778	-0.0013	-2.5 to 2.5	Pass
	3597.5	25	0	20	10.8	-1.078	-0.0003	-2.5 to 2.5	Pass
					12	2.402	0.0007	-2.5 to 2.5	Pass
					13.2	8.410	0.0023	-2.5 to 2.5	Pass
				-30	12	8.664	0.0024	-2.5 to 2.5	Pass
				-20	12	4.966	0.0014	-2.5 to 2.5	Pass
				-10	12	5.885	0.0016	-2.5 to 2.5	Pass
				0	12	6.945	0.0019	-2.5 to 2.5	Pass
				10	12	10.340	0.0029	-2.5 to 2.5	Pass
				30	12	4.381	0.0012	-2.5 to 2.5	Pass
				40	12	11.623	0.0032	-2.5 to 2.5	Pass
256QAM	3552.5	25	0	20	10.8	1.549	0.0004	-2.5 to 2.5	Pass
					12	2.877	0.0008	-2.5 to 2.5	Pass
					13.2	-3.389	-0.0010	-2.5 to 2.5	Pass
				-30	12	-5.951	-0.0017	-2.5 to 2.5	Pass
				-20	12	12.616	0.0036	-2.5 to 2.5	Pass
				-10	12	-0.112	0.0000	-2.5 to 2.5	Pass
				0	12	3.702	0.0010	-2.5 to 2.5	Pass
				10	12	-6.651	-0.0019	-2.5 to 2.5	Pass
				30	12	-5.807	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.594	-0.0007	-2.5 to 2.5	Pass
				50	12	0.136	0.0000	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	7.676	0.0021	-2.5 to 2.5	Pass
					12	1.238	0.0003	-2.5 to 2.5	Pass
					13.2	5.206	0.0015	-2.5 to 2.5	Pass
				-30	12	2.907	0.0008	-2.5 to 2.5	Pass
				-20	12	4.560	0.0013	-2.5 to 2.5	Pass
				-10	12	-2.738	-0.0008	-2.5 to 2.5	Pass
				0	12	4.819	0.0013	-2.5 to 2.5	Pass
				10	12	-3.417	-0.0010	-2.5 to 2.5	Pass
				30	12	3.734	0.0010	-2.5 to 2.5	Pass
				40	12	2.758	0.0008	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please connect us at sgs@sgs.com or www.sgs.com or www.sgs.com.cn

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

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

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

				50	12	3.968	0.0011	-2.5 to 2.5	Pass
	3597.5	25	0	20	10.8	-3.130	-0.0009	-2.5 to 2.5	Pass
					12	6.273	0.0017	-2.5 to 2.5	Pass
					13.2	1.316	0.0004	-2.5 to 2.5	Pass
					-30	12	0.860	0.0002	-2.5 to 2.5
				-20	12	2.798	0.0008	-2.5 to 2.5	Pass
				-10	12	8.689	0.0024	-2.5 to 2.5	Pass
				0	12	0.479	0.0001	-2.5 to 2.5	Pass
				10	12	8.446	0.0023	-2.5 to 2.5	Pass
				30	12	1.519	0.0004	-2.5 to 2.5	Pass
				40	12	3.875	0.0011	-2.5 to 2.5	Pass
				50	12	6.885	0.0019	-2.5 to 2.5	Pass

12.2 B42c_10MHz

12.2.1 Test Result

Band: 42c / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	10.8	-2.561	-0.0007	-2.5 to 2.5	Pass
					12	-1.271	-0.0004	-2.5 to 2.5	Pass
					13.2	4.683	0.0013	-2.5 to 2.5	Pass
				-30	12	4.833	0.0014	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0004	-2.5 to 2.5	Pass
				-10	12	5.187	0.0015	-2.5 to 2.5	Pass
				0	12	2.341	0.0007	-2.5 to 2.5	Pass
				10	12	-3.055	-0.0009	-2.5 to 2.5	Pass
				30	12	4.685	0.0013	-2.5 to 2.5	Pass
				40	12	4.115	0.0012	-2.5 to 2.5	Pass
				50	12	10.84	0.0009	-2.5 to 2.5	Pass
	3575	50	0	20	10.8	-0.641	-0.0002	-2.5 to 2.5	Pass
					12	-5.471	-0.0015	-2.5 to 2.5	Pass
					13.2	0.259	0.0001	-2.5 to 2.5	Pass
				-30	12	4.009	0.0011	-2.5 to 2.5	Pass
				-20	12	5.792	0.0016	-2.5 to 2.5	Pass
				-10	12	6.419	0.0018	-2.5 to 2.5	Pass
				0	12	2.443	0.0007	-2.5 to 2.5	Pass
				10	12	-0.373	-0.0001	-2.5 to 2.5	Pass
				30	12	-0.467	-0.0001	-2.5 to 2.5	Pass
				40	12	3.062	0.0009	-2.5 to 2.5	Pass
				50	12	8.537	0.0024	-2.5 to 2.5	Pass
	3595	50	0	20	10.8	2.854	0.0008	-2.5 to 2.5	Pass
					12	4.670	0.0013	-2.5 to 2.5	Pass
					13.2	6.010	0.0017	-2.5 to 2.5	Pass
				-30	12	9.984	0.0028	-2.5 to 2.5	Pass
				-20	12	-2.116	-0.0006	-2.5 to 2.5	Pass
				-10	12	7.496	0.0021	-2.5 to 2.5	Pass
				0	12	-0.382	-0.0001	-2.5 to 2.5	Pass
				10	12	2.498	0.0007	-2.5 to 2.5	Pass
				30	12	6.577	0.0018	-2.5 to 2.5	Pass
				40	12	6.645	0.0018	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing conclusion report & certificate, please connect us at least one (86-512)9707447 or email: CH-Check@sgs.com.
 No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留学院创业园伟业路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

16QAM	3555	50	0	50	12	5.175	0.0014	-2.5 to 2.5	Pass
				20	10.8	3.305	0.0009	-2.5 to 2.5	Pass
					12	3.645	0.0010	-2.5 to 2.5	Pass
					13.2	2.478	0.0007	-2.5 to 2.5	Pass
				-30	12	2.438	0.0007	-2.5 to 2.5	Pass
				-20	12	-2.141	-0.0006	-2.5 to 2.5	Pass
				-10	12	2.689	0.0008	-2.5 to 2.5	Pass
				0	12	-1.632	-0.0005	-2.5 to 2.5	Pass
				10	12	-1.008	-0.0003	-2.5 to 2.5	Pass
				30	12	2.651	0.0007	-2.5 to 2.5	Pass
	3575	50	0	40	12	3.126	0.0009	-2.5 to 2.5	Pass
				50	12	0.334	0.0001	-2.5 to 2.5	Pass
				20	10.8	-1.258	-0.0004	-2.5 to 2.5	Pass
					12	9.279	0.0026	-2.5 to 2.5	Pass
					13.2	4.223	0.0012	-2.5 to 2.5	Pass
				-30	12	-0.253	-0.0001	-2.5 to 2.5	Pass
				-20	12	3.841	0.0011	-2.5 to 2.5	Pass
				-10	12	8.824	0.0025	-2.5 to 2.5	Pass
				0	12	9.042	0.0025	-2.5 to 2.5	Pass
				10	12	1.327	0.0004	-2.5 to 2.5	Pass
	3595	50	0	30	12	5.936	0.0017	-2.5 to 2.5	Pass
				40	12	3.897	0.0011	-2.5 to 2.5	Pass
				50	12	4.700	0.0013	-2.5 to 2.5	Pass
				20	10.8	5.123	0.0014	-2.5 to 2.5	Pass
					12	3.030	0.0008	-2.5 to 2.5	Pass
					13.2	7.197	0.0020	-2.5 to 2.5	Pass
				-30	12	1.140	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.676	-0.0005	-2.5 to 2.5	Pass
				-10	12	6.398	0.0018	-2.5 to 2.5	Pass
				0	12	0.469	0.0001	-2.5 to 2.5	Pass
64QAM	3555	50	0	10	12	4.484	0.0012	-2.5 to 2.5	Pass
				30	12	1.371	0.0004	-2.5 to 2.5	Pass
				40	12	5.357	0.0015	-2.5 to 2.5	Pass
				50	12	2.559	0.0007	-2.5 to 2.5	Pass
				20	10.8	0.965	0.0003	-2.5 to 2.5	Pass
					12	-0.241	-0.0001	-2.5 to 2.5	Pass
					13.2	3.632	0.0010	-2.5 to 2.5	Pass
				-30	12	10.424	0.0029	-2.5 to 2.5	Pass
				-20	12	2.946	0.0008	-2.5 to 2.5	Pass
				-10	12	9.209	0.0026	-2.5 to 2.5	Pass
	3575	50	0	0	12	3.817	0.0011	-2.5 to 2.5	Pass
				10	12	5.475	0.0015	-2.5 to 2.5	Pass
				30	12	-2.137	-0.0006	-2.5 to 2.5	Pass
				40	12	4.449	0.0013	-2.5 to 2.5	Pass
				50	12	5.980	0.0017	-2.5 to 2.5	Pass
				20	10.8	7.200	0.0020	-2.5 to 2.5	Pass
					12	-5.041	-0.0014	-2.5 to 2.5	Pass
					13.2	1.929	0.0005	-2.5 to 2.5	Pass
				-30	12	1.122	0.0003	-2.5 to 2.5	Pass
				-20	12	-3.121	-0.0009	-2.5 to 2.5	Pass
				-10	12	1.793	0.0005	-2.5 to 2.5	Pass
				0	12	0.457	0.0001	-2.5 to 2.5	Pass
				10	12	1.553	0.0004	-2.5 to 2.5	Pass
				30	12	5.664	0.0016	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs@sgs.com or CH-Check@sgs.com.

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

056-512157350888 056-512157370911 www.sgs.com cn

056-512157350888 056-512157370911 sgs.china@sgs.com

	3595	50	0	40	12	-2.939	-0.0008	-2.5 to 2.5	Pass
				50	12	0.017	0.0000	-2.5 to 2.5	Pass
				20	10.8	5.482	0.0015	-2.5 to 2.5	Pass
					12	2.043	0.0006	-2.5 to 2.5	Pass
					13.2	-1.111	-0.0003	-2.5 to 2.5	Pass
				-30	12	10.284	0.0029	-2.5 to 2.5	Pass
				-20	12	4.310	0.0012	-2.5 to 2.5	Pass
				-10	12	3.477	0.0010	-2.5 to 2.5	Pass
				0	12	-0.809	-0.0002	-2.5 to 2.5	Pass
				10	12	-5.866	-0.0016	-2.5 to 2.5	Pass
				30	12	7.377	0.0021	-2.5 to 2.5	Pass
				40	12	-3.118	-0.0009	-2.5 to 2.5	Pass
				50	12	6.842	0.0019	-2.5 to 2.5	Pass
256QAM	3555	50	0	20	10.8	-0.523	-0.0001	-2.5 to 2.5	Pass
					12	2.505	0.0007	-2.5 to 2.5	Pass
					13.2	0.467	0.0001	-2.5 to 2.5	Pass
				-30	12	5.101	0.0014	-2.5 to 2.5	Pass
				-20	12	3.289	0.0009	-2.5 to 2.5	Pass
				-10	12	8.970	0.0025	-2.5 to 2.5	Pass
				0	12	2.851	0.0008	-2.5 to 2.5	Pass
				10	12	4.045	0.0011	-2.5 to 2.5	Pass
				30	12	1.943	0.0005	-2.5 to 2.5	Pass
				40	12	-2.301	-0.0006	-2.5 to 2.5	Pass
				50	12	6.779	0.0019	-2.5 to 2.5	Pass
	3575	50	0	20	10.8	4.091	0.0011	-2.5 to 2.5	Pass
					12	3.720	0.0010	-2.5 to 2.5	Pass
					13.2	5.412	0.0015	-2.5 to 2.5	Pass
				-30	12	0.596	0.0002	-2.5 to 2.5	Pass
				-20	12	5.528	0.0015	-2.5 to 2.5	Pass
				-10	12	0.521	0.0001	-2.5 to 2.5	Pass
				0	12	-0.284	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.048	0.0000	-2.5 to 2.5	Pass
				30	12	6.616	0.0019	-2.5 to 2.5	Pass
				40	12	-1.093	-0.0003	-2.5 to 2.5	Pass
				50	12	-4.860	-0.0014	-2.5 to 2.5	Pass
	3595	50	0	20	10.8	4.970	0.0014	-2.5 to 2.5	Pass
					12	3.360	0.0009	-2.5 to 2.5	Pass
					13.2	-0.173	0.0000	-2.5 to 2.5	Pass
				-30	12	1.374	0.0004	-2.5 to 2.5	Pass
				-20	12	3.778	0.0011	-2.5 to 2.5	Pass
				-10	12	-0.135	0.0000	-2.5 to 2.5	Pass
				0	12	0.550	0.0002	-2.5 to 2.5	Pass
				10	12	1.221	0.0003	-2.5 to 2.5	Pass
				30	12	3.492	0.0010	-2.5 to 2.5	Pass
				40	12	3.774	0.0010	-2.5 to 2.5	Pass
				50	12	3.926	0.0011	-2.5 to 2.5	Pass

12.3 B42c_15MHz

12.3.1 Test Result

Band: 42c / Bandwidth: 15MHz



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing conclusion report & certificate, please connect us at sgs@sgs.com (86-512) 57370911 or email: CN-Check@sgs.com.

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

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

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

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	10.8	-2.891	-0.0008	-2.5 to 2.5	Pass
					12	-2.068	-0.0006	-2.5 to 2.5	Pass
					13.2	0.153	0.0000	-2.5 to 2.5	Pass
				-30	12	-0.727	-0.0002	-2.5 to 2.5	Pass
					12	-0.780	-0.0002	-2.5 to 2.5	Pass
					12	1.079	0.0003	-2.5 to 2.5	Pass
				0	12	2.502	0.0007	-2.5 to 2.5	Pass
					12	2.282	0.0006	-2.5 to 2.5	Pass
					12	2.138	0.0006	-2.5 to 2.5	Pass
				40	12	6.101	0.0017	-2.5 to 2.5	Pass
					12	-0.879	-0.0002	-2.5 to 2.5	Pass
					12	-0.879	-0.0002	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	3.415	0.0010	-2.5 to 2.5	Pass
					12	-1.437	-0.0004	-2.5 to 2.5	Pass
					13.2	3.535	0.0010	-2.5 to 2.5	Pass
				-30	12	-9.243	-0.0026	-2.5 to 2.5	Pass
					12	2.697	0.0008	-2.5 to 2.5	Pass
					12	2.570	0.0007	-2.5 to 2.5	Pass
				0	12	3.792	0.0011	-2.5 to 2.5	Pass
					12	3.799	0.0011	-2.5 to 2.5	Pass
					12	5.503	0.0015	-2.5 to 2.5	Pass
				40	12	1.637	0.0005	-2.5 to 2.5	Pass
					12	0.169	0.0000	-2.5 to 2.5	Pass
					12	0.169	0.0000	-2.5 to 2.5	Pass
	3592.5	75	0	20	10.8	3.911	0.0011	-2.5 to 2.5	Pass
					12	0.693	0.0002	-2.5 to 2.5	Pass
					13.2	-3.131	-0.0009	-2.5 to 2.5	Pass
				-30	12	-2.833	-0.0008	-2.5 to 2.5	Pass
					12	-0.647	-0.0002	-2.5 to 2.5	Pass
					12	-1.182	-0.0003	-2.5 to 2.5	Pass
				0	12	3.244	0.0009	-2.5 to 2.5	Pass
					12	2.816	0.0008	-2.5 to 2.5	Pass
					12	-0.616	-0.0002	-2.5 to 2.5	Pass
				40	12	3.956	0.0011	-2.5 to 2.5	Pass
					12	2.370	0.0007	-2.5 to 2.5	Pass
					12	2.370	0.0007	-2.5 to 2.5	Pass
16QAM	3557.5	75	0	20	10.8	-0.562	-0.0002	-2.5 to 2.5	Pass
					12	1.202	0.0003	-2.5 to 2.5	Pass
					13.2	3.261	0.0009	-2.5 to 2.5	Pass
				-30	12	-1.214	-0.0003	-2.5 to 2.5	Pass
					12	6.610	0.0019	-2.5 to 2.5	Pass
					12	-2.606	-0.0007	-2.5 to 2.5	Pass
				0	12	1.254	0.0004	-2.5 to 2.5	Pass
					12	4.934	0.0014	-2.5 to 2.5	Pass
					12	-1.775	-0.0005	-2.5 to 2.5	Pass
				40	12	2.857	0.0008	-2.5 to 2.5	Pass
					12	10.81	0.0009	-2.5 to 2.5	Pass
					12	10.81	0.0009	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	1.788	0.0005	-2.5 to 2.5	Pass
					12	-0.247	-0.0001	-2.5 to 2.5	Pass
					13.2	-1.824	-0.0005	-2.5 to 2.5	Pass
				-30	12	-4.204	-0.0012	-2.5 to 2.5	Pass
					12	1.714	0.0005	-2.5 to 2.5	Pass
					12	5.313	0.0015	-2.5 to 2.5	Pass
				0	12	-3.005	-0.0008	-2.5 to 2.5	Pass
					12	5.121	0.0014	-2.5 to 2.5	Pass
					12	5.121	0.0014	-2.5 to 2.5	Pass
				40	12	5.121	0.0014	-2.5 to 2.5	Pass
					12	5.121	0.0014	-2.5 to 2.5	Pass
					12	5.121	0.0014	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at sgs.china@sgs.com or www.sgs.com.
 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
 0512-515735088 0512-515737010 www.sgs.com.cn
 0512-515735088 0512-515737010 sgs.china@sgs.com

	3592.5	75	0	30	12	-0.859	-0.0002	-2.5 to 2.5	Pass
				40	12	3.999	0.0011	-2.5 to 2.5	Pass
				50	12	7.009	0.0020	-2.5 to 2.5	Pass
				20	10.8	3.483	0.0010	-2.5 to 2.5	Pass
					12	5.042	0.0014	-2.5 to 2.5	Pass
					13.2	-3.265	-0.0009	-2.5 to 2.5	Pass
				-30	12	-0.179	0.0000	-2.5 to 2.5	Pass
				-20	12	8.191	0.0023	-2.5 to 2.5	Pass
				-10	12	1.671	0.0005	-2.5 to 2.5	Pass
				0	12	7.514	0.0021	-2.5 to 2.5	Pass
				10	12	0.957	0.0003	-2.5 to 2.5	Pass
				30	12	-1.105	-0.0003	-2.5 to 2.5	Pass
				40	12	6.113	0.0017	-2.5 to 2.5	Pass
64QAM	3557.5	75	0	20	10.8	1.437	0.0004	-2.5 to 2.5	Pass
					12	0.819	0.0002	-2.5 to 2.5	Pass
					13.2	5.184	0.0015	-2.5 to 2.5	Pass
				-30	12	3.059	0.0009	-2.5 to 2.5	Pass
				-20	12	1.832	0.0005	-2.5 to 2.5	Pass
				-10	12	0.132	0.0000	-2.5 to 2.5	Pass
				0	12	-2.275	-0.0006	-2.5 to 2.5	Pass
				10	12	9.013	0.0025	-2.5 to 2.5	Pass
				30	12	-2.175	-0.0006	-2.5 to 2.5	Pass
				40	12	1.126	0.0003	-2.5 to 2.5	Pass
				50	12	1.112	0.0003	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	1.681	0.0005	-2.5 to 2.5	Pass
					12	2.517	0.0007	-2.5 to 2.5	Pass
					13.2	5.649	0.0016	-2.5 to 2.5	Pass
				-30	12	6.184	0.0017	-2.5 to 2.5	Pass
				-20	12	-3.475	-0.0010	-2.5 to 2.5	Pass
				-10	12	4.257	0.0012	-2.5 to 2.5	Pass
				0	12	1.282	0.0004	-2.5 to 2.5	Pass
				10	12	5.113	0.0014	-2.5 to 2.5	Pass
				30	12	-1.460	-0.0004	-2.5 to 2.5	Pass
				40	12	4.089	0.0011	-2.5 to 2.5	Pass
				50	12	-1.079	-0.0003	-2.5 to 2.5	Pass
	3592.5	75	0	20	10.8	8.211	0.0023	-2.5 to 2.5	Pass
					12	3.371	0.0009	-2.5 to 2.5	Pass
					13.2	4.922	0.0014	-2.5 to 2.5	Pass
				-30	12	2.707	0.0008	-2.5 to 2.5	Pass
				-20	12	-1.065	-0.0003	-2.5 to 2.5	Pass
				-10	12	6.324	0.0018	-2.5 to 2.5	Pass
				0	12	5.085	0.0014	-2.5 to 2.5	Pass
				10	12	5.012	0.0014	-2.5 to 2.5	Pass
				30	12	6.302	0.0018	-2.5 to 2.5	Pass
				40	12	6.395	0.0018	-2.5 to 2.5	Pass
				50	12	6.444	0.0018	-2.5 to 2.5	Pass
256QAM	3557.5	75	0	20	10.8	4.705	0.0013	-2.5 to 2.5	Pass
					12	5.736	0.0016	-2.5 to 2.5	Pass
					13.2	-4.110	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.847	-0.0005	-2.5 to 2.5	Pass
				-20	12	-2.587	-0.0007	-2.5 to 2.5	Pass
				-10	12	0.898	0.0003	-2.5 to 2.5	Pass
				0	12	-2.488	-0.0007	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH-Check@sgs.com or CH-Check@sgs.com.

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

056-512157350888 056-51215737010 www.sgs.com.cn

056-512157350888 056-51215737010 sgs.china@sgs.com

				10	12	0.786	0.0002	-2.5 to 2.5	Pass
				30	12	0.275	0.0001	-2.5 to 2.5	Pass
				40	12	2.342	0.0007	-2.5 to 2.5	Pass
				50	12	-1.634	-0.0005	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	2.585	0.0007	-2.5 to 2.5	Pass
					12	3.430	0.0010	-2.5 to 2.5	Pass
					13.2	0.268	0.0001	-2.5 to 2.5	Pass
				-30	12	3.708	0.0010	-2.5 to 2.5	Pass
				-20	12	0.389	0.0001	-2.5 to 2.5	Pass
				-10	12	6.614	0.0019	-2.5 to 2.5	Pass
				0	12	-1.628	-0.0005	-2.5 to 2.5	Pass
				10	12	3.506	0.0010	-2.5 to 2.5	Pass
				30	12	1.676	0.0005	-2.5 to 2.5	Pass
				40	12	3.358	0.0009	-2.5 to 2.5	Pass
				50	12	-5.089	-0.0014	-2.5 to 2.5	Pass
				3592.5	75	0	20	10.8	5.320
	12	5.275	0.0015					-2.5 to 2.5	Pass
	13.2	2.943	0.0008					-2.5 to 2.5	Pass
	-30	12	1.790				0.0005	-2.5 to 2.5	Pass
	-20	12	-3.307				-0.0009	-2.5 to 2.5	Pass
	-10	12	5.498				0.0015	-2.5 to 2.5	Pass
	0	12	0.956				0.0003	-2.5 to 2.5	Pass
	10	12	4.415				0.0012	-2.5 to 2.5	Pass
	30	12	0.561				0.0002	-2.5 to 2.5	Pass
40	12	8.070	0.0022				-2.5 to 2.5	Pass	
50	12	-0.813	-0.0002				-2.5 to 2.5	Pass	

12.4 B42c 20MHz

12.4.1 Test Result

Band: 42c / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3560	100	0	20	10.8	-2.596	-0.0007	-2.5 to 2.5	Pass	
					12	1.206	0.0003	-2.5 to 2.5	Pass	
					13.2	4.545	0.0013	-2.5 to 2.5	Pass	
				-30	12	0.313	0.0001	-2.5 to 2.5	Pass	
				-20	12	3.424	0.0010	-2.5 to 2.5	Pass	
				-10	12	5.657	0.0016	-2.5 to 2.5	Pass	
				0	12	8.613	0.0024	-2.5 to 2.5	Pass	
				10	12	-2.206	-0.0006	-2.5 to 2.5	Pass	
				30	12	1.612	0.0005	-2.5 to 2.5	Pass	
				40	12	4.503	0.0013	-2.5 to 2.5	Pass	
	50	12	2.016	0.0006	-2.5 to 2.5	Pass				
	3575	100	0	20	10.8	0.601	0.0002	-2.5 to 2.5	Pass	
					12	2.160	0.0006	-2.5 to 2.5	Pass	
					13.2	4.277	0.0012	-2.5 to 2.5	Pass	
				-30	12	3.419	0.0010	-2.5 to 2.5	Pass	
				-20	12	3.061	0.0009	-2.5 to 2.5	Pass	
				-10	12	2.031	0.0006	-2.5 to 2.5	Pass	
				0	12	2.804	0.0008	-2.5 to 2.5	Pass	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. This document is drawn to the attention of the Client, together with the General Conditions of Service and Terms and Conditions, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

186-51257356888 186-51257370818 www.sgsygroup.com.cn
 186-51257356888 186-51257370818 sgsy.china@sgsy.com

				10	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	12	2.933	0.0008	-2.5 to 2.5	Pass
				40	12	3.247	0.0009	-2.5 to 2.5	Pass
				50	12	3.490	0.0010	-2.5 to 2.5	Pass
	3590	100	0	20	10.8	2.689	0.0007	-2.5 to 2.5	Pass
					12	8.469	0.0024	-2.5 to 2.5	Pass
					13.2	2.131	0.0006	-2.5 to 2.5	Pass
				-30	12	2.289	0.0006	-2.5 to 2.5	Pass
				-20	12	-5.078	-0.0014	-2.5 to 2.5	Pass
				-10	12	0.815	0.0002	-2.5 to 2.5	Pass
				0	12	2.832	0.0008	-2.5 to 2.5	Pass
				10	12	5.565	0.0016	-2.5 to 2.5	Pass
				30	12	1.774	0.0005	-2.5 to 2.5	Pass
40				12	2.818	0.0008	-2.5 to 2.5	Pass	
50	12	1.874	0.0005	-2.5 to 2.5	Pass				
16QAM	3560	100	0	20	10.8	6.496	0.0018	-2.5 to 2.5	Pass
					12	-1.616	-0.0005	-2.5 to 2.5	Pass
					13.2	1.602	0.0005	-2.5 to 2.5	Pass
				-30	12	4.005	0.0011	-2.5 to 2.5	Pass
				-20	12	2.890	0.0008	-2.5 to 2.5	Pass
				-10	12	2.918	0.0008	-2.5 to 2.5	Pass
				0	12	4.578	0.0013	-2.5 to 2.5	Pass
				10	12	0.544	0.0002	-2.5 to 2.5	Pass
				30	12	-0.401	-0.0001	-2.5 to 2.5	Pass
				40	12	3.061	0.0009	-2.5 to 2.5	Pass
	50	12	3.219	0.0009	-2.5 to 2.5	Pass			
	3575	100	0	20	10.8	4.492	0.0013	-2.5 to 2.5	Pass
					12	1.688	0.0005	-2.5 to 2.5	Pass
					13.2	-2.418	-0.0007	-2.5 to 2.5	Pass
				-30	12	1.802	0.0005	-2.5 to 2.5	Pass
				-20	12	3.319	0.0009	-2.5 to 2.5	Pass
				-10	12	1.588	0.0004	-2.5 to 2.5	Pass
				0	12	0.916	0.0003	-2.5 to 2.5	Pass
				10	12	2.518	0.0007	-2.5 to 2.5	Pass
				30	12	2.089	0.0006	-2.5 to 2.5	Pass
				40	12	2.017	0.0006	-2.5 to 2.5	Pass
	50	12	-1.044	-0.0003	-2.5 to 2.5	Pass			
	3590	100	0	20	10.8	3.948	0.0011	-2.5 to 2.5	Pass
					12	7.582	0.0021	-2.5 to 2.5	Pass
					13.2	1.631	0.0005	-2.5 to 2.5	Pass
				-30	12	2.246	0.0006	-2.5 to 2.5	Pass
				-20	12	0.715	0.0002	-2.5 to 2.5	Pass
				-10	12	2.432	0.0007	-2.5 to 2.5	Pass
0				12	2.546	0.0007	-2.5 to 2.5	Pass	
10				12	2.131	0.0006	-2.5 to 2.5	Pass	
30				12	3.562	0.0010	-2.5 to 2.5	Pass	
40				12	5.765	0.0016	-2.5 to 2.5	Pass	
50	12	-3.119	-0.0009	-2.5 to 2.5	Pass				
64QAM	3560	100	0	20	10.8	3.347	0.0009	-2.5 to 2.5	Pass
					12	2.761	0.0008	-2.5 to 2.5	Pass
					13.2	0.801	0.0002	-2.5 to 2.5	Pass
				-30	12	-0.143	0.0000	-2.5 to 2.5	Pass
				-20	12	4.606	0.0013	-2.5 to 2.5	Pass
				-10	12	1.802	0.0005	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. This document is drawn to the attention of the Client, together with the General Conditions of Service and Terms and Conditions, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

886-51257356888 886-51257370818 www.agsgroup.com.cn
 886-51257356888 886-51257370818 ags.china@ags.com

				0	12	1.974	0.0006	-2.5 to 2.5	Pass			
				10	12	4.363	0.0012	-2.5 to 2.5	Pass			
				30	12	5.608	0.0016	-2.5 to 2.5	Pass			
				40	12	0.100	0.0000	-2.5 to 2.5	Pass			
				50	12	1.702	0.0005	-2.5 to 2.5	Pass			
	3575	100	0	20	10.8	0.973	0.0003	-2.5 to 2.5	Pass			
					12	3.304	0.0009	-2.5 to 2.5	Pass			
					13.2	2.518	0.0007	-2.5 to 2.5	Pass			
				-30	12	8.497	0.0024	-2.5 to 2.5	Pass			
				-20	12	-0.529	-0.0001	-2.5 to 2.5	Pass			
				-10	12	2.089	0.0006	-2.5 to 2.5	Pass			
				0	12	4.077	0.0011	-2.5 to 2.5	Pass			
				10	12	0.801	0.0002	-2.5 to 2.5	Pass			
				30	12	1.116	0.0003	-2.5 to 2.5	Pass			
				40	12	5.565	0.0016	-2.5 to 2.5	Pass			
				50	12	2.475	0.0007	-2.5 to 2.5	Pass			
				3590	100	0	20	10.8	1.645	0.0005	-2.5 to 2.5	Pass
								12	1.960	0.0005	-2.5 to 2.5	Pass
								13.2	4.950	0.0014	-2.5 to 2.5	Pass
	-30	12	2.990				0.0008	-2.5 to 2.5	Pass			
	-20	12	6.223				0.0017	-2.5 to 2.5	Pass			
	-10	12	6.008				0.0017	-2.5 to 2.5	Pass			
	0	12	4.306				0.0012	-2.5 to 2.5	Pass			
	10	12	-0.114				0.0000	-2.5 to 2.5	Pass			
	30	12	-2.046				-0.0006	-2.5 to 2.5	Pass			
	40	12	4.807				0.0013	-2.5 to 2.5	Pass			
	50	12	2.861				0.0008	-2.5 to 2.5	Pass			
	256QAM	3560	100	0	20	10.8	1.545	0.0004	-2.5 to 2.5	Pass		
						12	4.792	0.0013	-2.5 to 2.5	Pass		
						13.2	5.422	0.0015	-2.5 to 2.5	Pass		
					-30	12	1.931	0.0005	-2.5 to 2.5	Pass		
					-20	12	1.531	0.0004	-2.5 to 2.5	Pass		
					-10	12	0.343	0.0001	-2.5 to 2.5	Pass		
					0	12	1.187	0.0003	-2.5 to 2.5	Pass		
					10	12	1.874	0.0005	-2.5 to 2.5	Pass		
					30	12	3.219	0.0009	-2.5 to 2.5	Pass		
					40	12	-3.304	-0.0009	-2.5 to 2.5	Pass		
					50	12	5.264	0.0015	-2.5 to 2.5	Pass		
		3575	100	0	20	10.8	5.121	0.0014	-2.5 to 2.5	Pass		
						12	1.631	0.0005	-2.5 to 2.5	Pass		
						13.2	4.048	0.0011	-2.5 to 2.5	Pass		
					-30	12	-0.129	0.0000	-2.5 to 2.5	Pass		
					-20	12	0.401	0.0001	-2.5 to 2.5	Pass		
					-10	12	4.277	0.0012	-2.5 to 2.5	Pass		
					0	12	1.345	0.0004	-2.5 to 2.5	Pass		
10					12	3.061	0.0009	-2.5 to 2.5	Pass			
30					12	-1.545	-0.0004	-2.5 to 2.5	Pass			
40					12	2.747	0.0008	-2.5 to 2.5	Pass			
50					12	3.977	0.0011	-2.5 to 2.5	Pass			
3590		100	0	20	10.8	4.077	0.0011	-2.5 to 2.5	Pass			
					12	-0.014	0.0000	-2.5 to 2.5	Pass			
					13.2	6.180	0.0017	-2.5 to 2.5	Pass			
				-30	12	2.017	0.0006	-2.5 to 2.5	Pass			
				-20	12	-4.892	-0.0014	-2.5 to 2.5	Pass			



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. The Company is not drawn to the attention of the Client, in the event of any dispute, the terms and conditions of the Company's General Conditions of Service, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

886-51257356888 886-51257370818 www.agsgroup.com.cn
 886-51257356888 886-51257370818 ags.china@ags.com

				-10	12	1.917	0.0005	-2.5 to 2.5	Pass
				0	12	4.363	0.0012	-2.5 to 2.5	Pass
				10	12	8.526	0.0024	-2.5 to 2.5	Pass
				30	12	4.220	0.0012	-2.5 to 2.5	Pass
				40	12	-1.302	-0.0004	-2.5 to 2.5	Pass
				50	12	5.078	0.0014	-2.5 to 2.5	Pass

13. Frequency Stability

13.1 B66_1.4MHz

13.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	10.8	-1.087	-0.0006	-2.5 to 2.5	Pass
					12	0.615	0.0004	-2.5 to 2.5	Pass
					13.2	0.987	0.0006	-2.5 to 2.5	Pass
				-30	12	-1.302	-0.0008	-2.5 to 2.5	Pass
				-20	12	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	12	-2.103	-0.0012	-2.5 to 2.5	Pass
				0	12	-6.638	-0.0039	-2.5 to 2.5	Pass
				10	12	-6.280	-0.0037	-2.5 to 2.5	Pass
				30	12	-4.234	-0.0025	-2.5 to 2.5	Pass
				40	12	3.762	0.0022	-2.5 to 2.5	Pass
				50	12	4.277	0.0025	-2.5 to 2.5	Pass
	1745	6	0	20	10.8	5.751	0.0033	-2.5 to 2.5	Pass
					12	-2.847	-0.0016	-2.5 to 2.5	Pass
					13.2	4.034	0.0023	-2.5 to 2.5	Pass
				-30	12	1.159	0.0007	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing report, please contact us at telephone: (86-512) 57370011 or email: CH-Occurrence@sgs.com.

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

				-20	12	-1.817	-0.0010	-2.5 to 2.5	Pass
				-10	12	-2.346	-0.0013	-2.5 to 2.5	Pass
				0	12	-4.277	-0.0025	-2.5 to 2.5	Pass
				10	12	4.120	0.0024	-2.5 to 2.5	Pass
				30	12	0.744	0.0004	-2.5 to 2.5	Pass
				40	12	-2.761	-0.0016	-2.5 to 2.5	Pass
				50	12	4.134	0.0024	-2.5 to 2.5	Pass
	1779.3	6	0	20	10.8	1.645	0.0009	-2.5 to 2.5	Pass
					12	-3.791	-0.0021	-2.5 to 2.5	Pass
					13.2	1.788	0.0010	-2.5 to 2.5	Pass
				-30	12	1.645	0.0009	-2.5 to 2.5	Pass
				-20	12	1.588	0.0009	-2.5 to 2.5	Pass
				-10	12	5.693	0.0032	-2.5 to 2.5	Pass
				0	12	1.373	0.0008	-2.5 to 2.5	Pass
				10	12	1.144	0.0006	-2.5 to 2.5	Pass
				30	12	2.003	0.0011	-2.5 to 2.5	Pass
40				12	-1.502	-0.0008	-2.5 to 2.5	Pass	
50	12	-1.116	-0.0006	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	10.8	-6.895	-0.0040	-2.5 to 2.5	Pass
					12	-3.648	-0.0021	-2.5 to 2.5	Pass
					13.2	-3.505	-0.0020	-2.5 to 2.5	Pass
				-30	12	-1.216	-0.0007	-2.5 to 2.5	Pass
				-20	12	1.073	0.0006	-2.5 to 2.5	Pass
				-10	12	-1.044	-0.0006	-2.5 to 2.5	Pass
				0	12	-10.943	-0.0064	-2.5 to 2.5	Pass
				10	12	-4.563	-0.0027	-2.5 to 2.5	Pass
				30	12	1.545	0.0009	-2.5 to 2.5	Pass
				40	12	-2.604	-0.0015	-2.5 to 2.5	Pass
	50	12	-2.532	-0.0015	-2.5 to 2.5	Pass			
	1745	6	0	20	10.8	3.934	0.0023	-2.5 to 2.5	Pass
					12	1.903	0.0011	-2.5 to 2.5	Pass
					13.2	3.004	0.0017	-2.5 to 2.5	Pass
				-30	12	1.516	0.0009	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0003	-2.5 to 2.5	Pass
				-10	12	-3.448	-0.0020	-2.5 to 2.5	Pass
				0	12	0.873	0.0005	-2.5 to 2.5	Pass
				10	12	-3.490	-0.0020	-2.5 to 2.5	Pass
				30	12	-4.449	-0.0025	-2.5 to 2.5	Pass
				40	12	-2.174	-0.0012	-2.5 to 2.5	Pass
	50	12	2.074	0.0012	-2.5 to 2.5	Pass			
	1779.3	6	0	20	10.8	-0.658	-0.0004	-2.5 to 2.5	Pass
					12	6.795	0.0038	-2.5 to 2.5	Pass
					13.2	0.973	0.0005	-2.5 to 2.5	Pass
				-30	12	4.406	0.0025	-2.5 to 2.5	Pass
				-20	12	0.501	0.0003	-2.5 to 2.5	Pass
				-10	12	3.805	0.0021	-2.5 to 2.5	Pass
				0	12	0.086	0.0000	-2.5 to 2.5	Pass
				10	12	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	12	1.302	0.0007	-2.5 to 2.5	Pass
				40	12	3.848	0.0022	-2.5 to 2.5	Pass
50	12	1.245	0.0007	-2.5 to 2.5	Pass				
64QAM	1710.7	6	0	20	10.8	3.147	0.0018	-2.5 to 2.5	Pass
					12	-1.345	-0.0008	-2.5 to 2.5	Pass
					13.2	3.390	0.0020	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.egg.com.au/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com.au/terms-and-conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that the information contained herein reflects the Company's view of the information and is intended as a summary of the Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fact report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

No. 10, Waiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

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

				-30	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	12	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	12	1.745	0.0010	-2.5 to 2.5	Pass
				0	12	5.937	0.0035	-2.5 to 2.5	Pass
				10	12	2.089	0.0012	-2.5 to 2.5	Pass
				30	12	0.772	0.0005	-2.5 to 2.5	Pass
				40	12	-3.891	-0.0023	-2.5 to 2.5	Pass
				50	12	-1.545	-0.0009	-2.5 to 2.5	Pass
	1745	6	0	20	10.8	-0.043	0.0000	-2.5 to 2.5	Pass
					12	-2.360	-0.0014	-2.5 to 2.5	Pass
					13.2	-0.544	-0.0003	-2.5 to 2.5	Pass
				-30	12	2.189	0.0013	-2.5 to 2.5	Pass
				-20	12	2.317	0.0013	-2.5 to 2.5	Pass
				-10	12	2.489	0.0014	-2.5 to 2.5	Pass
				0	12	-2.518	-0.0014	-2.5 to 2.5	Pass
				10	12	4.749	0.0027	-2.5 to 2.5	Pass
				30	12	2.303	0.0013	-2.5 to 2.5	Pass
				40	12	-0.072	0.0000	-2.5 to 2.5	Pass
				50	12	0.815	0.0005	-2.5 to 2.5	Pass
				1779.3	6	0	20	10.8	0.215
	12	2.332	0.0013					-2.5 to 2.5	Pass
	13.2	1.802	0.0010					-2.5 to 2.5	Pass
	-30	12	5.078				0.0029	-2.5 to 2.5	Pass
	-20	12	-1.488				-0.0008	-2.5 to 2.5	Pass
	-10	12	-2.689				-0.0015	-2.5 to 2.5	Pass
	0	12	4.292				0.0024	-2.5 to 2.5	Pass
	10	12	4.749				0.0027	-2.5 to 2.5	Pass
	30	12	8.254				0.0046	-2.5 to 2.5	Pass
	40	12	3.619				0.0020	-2.5 to 2.5	Pass
	50	12	-4.120				-0.0023	-2.5 to 2.5	Pass
256QAM	1710.7	6	0				20	10.8	-2.432
				12	1.702	0.0010		-2.5 to 2.5	Pass
				13.2	-1.159	-0.0007		-2.5 to 2.5	Pass
				-30	12	0.887	0.0005	-2.5 to 2.5	Pass
				-20	12	-2.317	-0.0014	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	12	0.186	0.0001	-2.5 to 2.5	Pass
				10	12	5.393	0.0032	-2.5 to 2.5	Pass
				30	12	3.004	0.0018	-2.5 to 2.5	Pass
				40	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	12	6.123	0.0036	-2.5 to 2.5	Pass
				1745	6	0	20	10.8	3.705
	12	0.129	0.0001					-2.5 to 2.5	Pass
	13.2	0.987	0.0006					-2.5 to 2.5	Pass
	-30	12	13.25				0.0025	-2.5 to 2.5	Pass
	-20	12	-1.044				-0.0006	-2.5 to 2.5	Pass
	-10	12	7.939				0.0045	-2.5 to 2.5	Pass
	0	12	7.081				0.0041	-2.5 to 2.5	Pass
	10	12	-0.830				-0.0005	-2.5 to 2.5	Pass
	30	12	4.377				0.0025	-2.5 to 2.5	Pass
	40	12	1.531				0.0009	-2.5 to 2.5	Pass
	50	12	0.916				0.0005	-2.5 to 2.5	Pass
	1779.3	6	0				20	10.8	-0.072
				12	8.254	0.0046		-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. This document is drawn to the attention of the Client, together with the General Conditions of Service and Terms and Conditions, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留學生創業園偉業路10號 郵編 215300

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

				13.2	3.176	0.0018	-2.5 to 2.5	Pass
			-30	12	5.822	0.0033	-2.5 to 2.5	Pass
			-20	12	-0.744	-0.0004	-2.5 to 2.5	Pass
			-10	12	3.719	0.0021	-2.5 to 2.5	Pass
			0	12	-3.419	-0.0019	-2.5 to 2.5	Pass
			10	12	3.877	0.0022	-2.5 to 2.5	Pass
			30	12	6.652	0.0037	-2.5 to 2.5	Pass
			40	12	-2.661	-0.0015	-2.5 to 2.5	Pass
			50	12	3.262	0.0018	-2.5 to 2.5	Pass

13.2 B66_3MHz

13.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	10.8	-4.821	-0.0028	-2.5 to 2.5	Pass
					12	-4.463	-0.0026	-2.5 to 2.5	Pass
					13.2	2.232	0.0013	-2.5 to 2.5	Pass
				-30	12	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	12	1.402	0.0008	-2.5 to 2.5	Pass
				-10	12	2.675	0.0016	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	12	1.545	0.0009	-2.5 to 2.5	Pass
				30	12	-5.636	-0.0033	-2.5 to 2.5	Pass
				40	12	2.861	0.0017	-2.5 to 2.5	Pass
				50	12	1.774	0.0010	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	7.424	0.0043	-2.5 to 2.5	Pass
					12	8.969	0.0051	-2.5 to 2.5	Pass
					13.2	6.266	0.0036	-2.5 to 2.5	Pass
				-30	12	8.640	0.0050	-2.5 to 2.5	Pass
				-20	12	5.078	0.0029	-2.5 to 2.5	Pass
				-10	12	10.242	0.0059	-2.5 to 2.5	Pass
				0	12	-0.072	0.0000	-2.5 to 2.5	Pass
				10	12	3.948	0.0023	-2.5 to 2.5	Pass
				30	12	3.433	0.0020	-2.5 to 2.5	Pass
				40	12	8.240	0.0047	-2.5 to 2.5	Pass
				50	12	3.161	0.0018	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.8	3.505	0.0020	-2.5 to 2.5	Pass
					12	-0.329	-0.0002	-2.5 to 2.5	Pass
					13.2	0.730	0.0004	-2.5 to 2.5	Pass
				-30	12	2.575	0.0014	-2.5 to 2.5	Pass
				-20	12	2.518	0.0014	-2.5 to 2.5	Pass
				-10	12	0.772	0.0004	-2.5 to 2.5	Pass
				0	12	-2.532	-0.0014	-2.5 to 2.5	Pass
				10	12	1.216	0.0007	-2.5 to 2.5	Pass
				30	12	1.259	0.0007	-2.5 to 2.5	Pass
				40	12	5.722	0.0032	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	10.8	0.429	0.0003	-2.5 to 2.5	Pass
					12	0.172	0.0001	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at least one (1) day prior to the test date by email: CH.Official@sgs.com.

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

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

64QAM					13.2	1.974	0.0012	-2.5 to 2.5	Pass
				-30	12	-3.777	-0.0022	-2.5 to 2.5	Pass
				-20	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				-10	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				0	12	1.187	0.0007	-2.5 to 2.5	Pass
				10	12	3.247	0.0019	-2.5 to 2.5	Pass
				30	12	-2.489	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.131	-0.0012	-2.5 to 2.5	Pass
				50	12	5.736	0.0034	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	6.137	0.0035	-2.5 to 2.5	Pass
					12	2.117	0.0012	-2.5 to 2.5	Pass
					13.2	6.895	0.0040	-2.5 to 2.5	Pass
				-30	12	3.476	0.0020	-2.5 to 2.5	Pass
				-20	12	5.822	0.0033	-2.5 to 2.5	Pass
				-10	12	4.177	0.0024	-2.5 to 2.5	Pass
				0	12	7.825	0.0045	-2.5 to 2.5	Pass
				10	12	6.809	0.0039	-2.5 to 2.5	Pass
				30	12	1.016	0.0006	-2.5 to 2.5	Pass
				40	12	3.991	0.0023	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.8	-0.315	-0.0002	-2.5 to 2.5	Pass
					12	0.558	0.0003	-2.5 to 2.5	Pass
					13.2	1.674	0.0009	-2.5 to 2.5	Pass
				-30	12	2.189	0.0012	-2.5 to 2.5	Pass
				-20	12	3.691	0.0021	-2.5 to 2.5	Pass
				-10	12	3.734	0.0021	-2.5 to 2.5	Pass
				0	12	2.275	0.0013	-2.5 to 2.5	Pass
				10	12	1.831	0.0010	-2.5 to 2.5	Pass
				30	12	3.991	0.0022	-2.5 to 2.5	Pass
				40	12	6.037	0.0034	-2.5 to 2.5	Pass
	1711.5	15	0	20	10.8	-4.721	-0.0028	-2.5 to 2.5	Pass
					12	-2.575	-0.0015	-2.5 to 2.5	Pass
					13.2	2.303	0.0013	-2.5 to 2.5	Pass
				-30	12	0.801	0.0005	-2.5 to 2.5	Pass
				-20	12	-0.572	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.445	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	12	-2.060	-0.0012	-2.5 to 2.5	Pass
				30	12	-1.659	-0.0010	-2.5 to 2.5	Pass
				40	12	-1.245	-0.0007	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	4.063	0.0024	-2.5 to 2.5	Pass
					12	4.420	0.0025	-2.5 to 2.5	Pass
					13.2	4.406	0.0025	-2.5 to 2.5	Pass
				-30	12	5.951	0.0034	-2.5 to 2.5	Pass
				-20	12	8.626	0.0049	-2.5 to 2.5	Pass
				-10	12	6.709	0.0038	-2.5 to 2.5	Pass
				0	12	8.125	0.0047	-2.5 to 2.5	Pass
				10	12	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	12	7.124	0.0041	-2.5 to 2.5	Pass
				40	12	10.86	0.0019	-2.5 to 2.5	Pass
	1778.5	15	0	50	12	5.479	0.0031	-2.5 to 2.5	Pass
				20	10.8	-2.089	-0.0012	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certificate, please contact us at CH.Certification@sgs.com or CH.Certification@sgs.com.

No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

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

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

256QAM	1711.5	15	0		12	0.243	0.0001	-2.5 to 2.5	Pass
					13.2	2.604	0.0015	-2.5 to 2.5	Pass
				-30	12	2.904	0.0016	-2.5 to 2.5	Pass
				-20	12	-0.558	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.702	-0.0010	-2.5 to 2.5	Pass
				0	12	-1.159	-0.0007	-2.5 to 2.5	Pass
				10	12	3.119	0.0018	-2.5 to 2.5	Pass
				30	12	0.916	0.0005	-2.5 to 2.5	Pass
				40	12	1.531	0.0009	-2.5 to 2.5	Pass
				50	12	-1.574	-0.0009	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	1.874	0.0011	-2.5 to 2.5	Pass
					12	-0.772	-0.0005	-2.5 to 2.5	Pass
					13.2	1.574	0.0009	-2.5 to 2.5	Pass
				-30	12	0.558	0.0003	-2.5 to 2.5	Pass
				-20	12	0.257	0.0002	-2.5 to 2.5	Pass
				-10	12	3.262	0.0019	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				10	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				30	12	1.330	0.0008	-2.5 to 2.5	Pass
				40	12	-1.116	-0.0007	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.8	3.533	0.0020	-2.5 to 2.5	Pass
					12	2.689	0.0015	-2.5 to 2.5	Pass
					13.2	3.347	0.0019	-2.5 to 2.5	Pass
				-30	12	1.917	0.0011	-2.5 to 2.5	Pass
				-20	12	1.259	0.0007	-2.5 to 2.5	Pass
				-10	12	5.393	0.0030	-2.5 to 2.5	Pass
				0	12	4.020	0.0023	-2.5 to 2.5	Pass
				10	12	1.101	0.0006	-2.5 to 2.5	Pass
				30	12	-1.516	-0.0009	-2.5 to 2.5	Pass
				40	12	-0.644	-0.0004	-2.5 to 2.5	Pass
				50	12	5.765	0.0032	-2.5 to 2.5	Pass

13.3 B66_5MHz

13.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	10.8	4.678	0.0027	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing conclusion report & certificate, please contact us at sgs@sgs.com (86-512) 57370911 or email: CN-Check@sgs.com.
 No. 10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 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

16QAM						12	3.147	0.0018	-2.5 to 2.5	Pass
						13.2	5.078	0.0030	-2.5 to 2.5	Pass
					-30	12	2.503	0.0015	-2.5 to 2.5	Pass
					-20	12	0.687	0.0004	-2.5 to 2.5	Pass
					-10	12	2.718	0.0016	-2.5 to 2.5	Pass
					0	12	2.246	0.0013	-2.5 to 2.5	Pass
					10	12	5.522	0.0032	-2.5 to 2.5	Pass
					30	12	2.217	0.0013	-2.5 to 2.5	Pass
					40	12	3.591	0.0021	-2.5 to 2.5	Pass
	50	12	3.219	0.0019	-2.5 to 2.5	Pass				
	1745	25	0	20	10.8	6.866	0.0039	-2.5 to 2.5	Pass	
					12	4.449	0.0025	-2.5 to 2.5	Pass	
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass	
				-30	12	4.864	0.0028	-2.5 to 2.5	Pass	
				-20	12	6.809	0.0039	-2.5 to 2.5	Pass	
				-10	12	7.296	0.0042	-2.5 to 2.5	Pass	
				0	12	5.279	0.0030	-2.5 to 2.5	Pass	
				10	12	5.794	0.0033	-2.5 to 2.5	Pass	
				30	12	3.147	0.0018	-2.5 to 2.5	Pass	
	40	12	7.839	0.0045	-2.5 to 2.5	Pass				
	50	12	5.951	0.0034	-2.5 to 2.5	Pass				
	1777.5	25	0	20	10.8	3.791	0.0021	-2.5 to 2.5	Pass	
					12	-0.372	-0.0002	-2.5 to 2.5	Pass	
					13.2	0.329	0.0002	-2.5 to 2.5	Pass	
				-30	12	1.903	0.0011	-2.5 to 2.5	Pass	
				-20	12	2.103	0.0012	-2.5 to 2.5	Pass	
				-10	12	-2.389	-0.0013	-2.5 to 2.5	Pass	
				0	12	-1.488	-0.0008	-2.5 to 2.5	Pass	
				10	12	2.675	0.0015	-2.5 to 2.5	Pass	
				30	12	-1.016	-0.0006	-2.5 to 2.5	Pass	
	40	12	3.433	0.0019	-2.5 to 2.5	Pass				
	50	12	-0.186	-0.0001	-2.5 to 2.5	Pass				
		1712.5	25	0	20	10.8	5.665	0.0033	-2.5 to 2.5	Pass
						12	4.749	0.0028	-2.5 to 2.5	Pass
						13.2	6.423	0.0038	-2.5 to 2.5	Pass
					-30	12	-0.215	-0.0001	-2.5 to 2.5	Pass
-20					12	7.739	0.0045	-2.5 to 2.5	Pass	
-10					12	2.089	0.0012	-2.5 to 2.5	Pass	
0					12	4.005	0.0023	-2.5 to 2.5	Pass	
10					12	2.460	0.0014	-2.5 to 2.5	Pass	
30					12	1.559	0.0009	-2.5 to 2.5	Pass	
40		12	2.289	0.0013	-2.5 to 2.5	Pass				
50		12	2.675	0.0016	-2.5 to 2.5	Pass				
1745		25	0	20	10.8	0.014	0.0000	-2.5 to 2.5	Pass	
					12	2.589	0.0015	-2.5 to 2.5	Pass	
					13.2	9.141	0.0052	-2.5 to 2.5	Pass	
				-30	12	5.965	0.0034	-2.5 to 2.5	Pass	
				-20	12	1.345	0.0008	-2.5 to 2.5	Pass	
				-10	12	4.935	0.0028	-2.5 to 2.5	Pass	
				0	12	2.203	0.0013	-2.5 to 2.5	Pass	
	10			12	5.479	0.0031	-2.5 to 2.5	Pass		
	30			12	5.307	0.0030	-2.5 to 2.5	Pass		
40	12	2.532	0.0015	-2.5 to 2.5	Pass					
50	12	1.960	0.0011	-2.5 to 2.5	Pass					



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed hereon, available on request or accessible at <http://www.egg.com.au/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com.au/terms-and-conditions/terms-and-conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have accepted the terms and conditions of the General Conditions of Service and the Terms and Conditions for Electronic Documents and the Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fact report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

800-5125735888 800-5125737000 www.sgsgroup.com.cn
 86-51265735888 86-51265737000 sgs.china@sgs.com

	1777.5	25	0	20	10.8	-2.618	-0.0015	-2.5 to 2.5	Pass
					12	-3.419	-0.0019	-2.5 to 2.5	Pass
					13.2	2.818	0.0016	-2.5 to 2.5	Pass
				-30	12	0.229	0.0001	-2.5 to 2.5	Pass
				-20	12	2.732	0.0015	-2.5 to 2.5	Pass
				-10	12	1.373	0.0008	-2.5 to 2.5	Pass
				0	12	-0.086	0.0000	-2.5 to 2.5	Pass
				10	12	1.588	0.0009	-2.5 to 2.5	Pass
				30	12	1.259	0.0007	-2.5 to 2.5	Pass
				40	12	1.216	0.0007	-2.5 to 2.5	Pass
50	12	2.847	0.0016	-2.5 to 2.5	Pass				
64QAM	1712.5	25	0	20	10.8	8.841	0.0052	-2.5 to 2.5	Pass
					12	4.148	0.0024	-2.5 to 2.5	Pass
					13.2	5.507	0.0032	-2.5 to 2.5	Pass
				-30	12	6.008	0.0035	-2.5 to 2.5	Pass
				-20	12	1.974	0.0012	-2.5 to 2.5	Pass
				-10	12	1.688	0.0010	-2.5 to 2.5	Pass
				0	12	5.236	0.0031	-2.5 to 2.5	Pass
				10	12	6.366	0.0037	-2.5 to 2.5	Pass
				30	12	4.978	0.0029	-2.5 to 2.5	Pass
				40	12	6.223	0.0036	-2.5 to 2.5	Pass
	50	12	4.048	0.0024	-2.5 to 2.5	Pass			
	1745	25	0	20	10.8	2.618	0.0015	-2.5 to 2.5	Pass
					12	5.422	0.0031	-2.5 to 2.5	Pass
					13.2	3.834	0.0022	-2.5 to 2.5	Pass
				-30	12	8.855	0.0051	-2.5 to 2.5	Pass
				-20	12	4.377	0.0025	-2.5 to 2.5	Pass
				-10	12	4.563	0.0026	-2.5 to 2.5	Pass
				0	12	5.279	0.0030	-2.5 to 2.5	Pass
				10	12	5.193	0.0030	-2.5 to 2.5	Pass
				30	12	2.732	0.0016	-2.5 to 2.5	Pass
				40	12	5.765	0.0033	-2.5 to 2.5	Pass
	50	12	3.977	0.0023	-2.5 to 2.5	Pass			
	1777.5	25	0	20	10.8	1.030	0.0006	-2.5 to 2.5	Pass
					12	1.945	0.0011	-2.5 to 2.5	Pass
					13.2	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	12	3.161	0.0018	-2.5 to 2.5	Pass
				-20	12	0.973	0.0005	-2.5 to 2.5	Pass
				-10	12	2.589	0.0015	-2.5 to 2.5	Pass
				0	12	0.973	0.0005	-2.5 to 2.5	Pass
				10	12	-1.860	-0.0010	-2.5 to 2.5	Pass
30				12	-3.791	-0.0021	-2.5 to 2.5	Pass	
40				12	-2.632	-0.0015	-2.5 to 2.5	Pass	
50	12	1.101	0.0006	-2.5 to 2.5	Pass				
256QAM	1712.5	25	0	20	10.8	1.631	0.0010	-2.5 to 2.5	Pass
					12	3.991	0.0023	-2.5 to 2.5	Pass
					13.2	3.448	0.0020	-2.5 to 2.5	Pass
				-30	12	3.777	0.0022	-2.5 to 2.5	Pass
				-20	12	5.808	0.0034	-2.5 to 2.5	Pass
				-10	12	0.758	0.0004	-2.5 to 2.5	Pass
				0	12	2.589	0.0015	-2.5 to 2.5	Pass
				10	12	3.462	0.0020	-2.5 to 2.5	Pass
				30	12	4.749	0.0028	-2.5 to 2.5	Pass
				40	12	7.539	0.0044	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. This document is drawn to the attention of the Client, together with the General Conditions of Service and Terms and Conditions of Service, and the Client is advised that information contained hereon reflects the Company's findings at the time of its intervention only, and within the limits of the Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this fast report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

186-51257356888 186-51257370818 www.sgsigroup.com.cn
 186-51257356888 186-51257370818 sgs.china@sgs.com

	1745	25	0	50	12	4.163	0.0024	-2.5 to 2.5	Pass
				20	10.8	5.493	0.0031	-2.5 to 2.5	Pass
					12	7.267	0.0042	-2.5 to 2.5	Pass
					13.2	3.991	0.0023	-2.5 to 2.5	Pass
				-30	12	5.808	0.0033	-2.5 to 2.5	Pass
				-20	12	2.990	0.0017	-2.5 to 2.5	Pass
				-10	12	5.679	0.0033	-2.5 to 2.5	Pass
				0	12	6.866	0.0039	-2.5 to 2.5	Pass
				10	12	5.565	0.0032	-2.5 to 2.5	Pass
				30	12	5.665	0.0032	-2.5 to 2.5	Pass
	1777.5	25	0	40	12	9.398	0.0054	-2.5 to 2.5	Pass
				50	12	4.721	0.0027	-2.5 to 2.5	Pass
				20	10.8	-0.386	-0.0002	-2.5 to 2.5	Pass
					12	-0.243	-0.0001	-2.5 to 2.5	Pass
					13.2	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	12	1.888	0.0011	-2.5 to 2.5	Pass
				-20	12	1.159	0.0007	-2.5 to 2.5	Pass
				-10	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				0	12	1.016	0.0006	-2.5 to 2.5	Pass
				10	12	1.473	0.0008	-2.5 to 2.5	Pass
				30	12	0.429	0.0002	-2.5 to 2.5	Pass
				40	12	0.529	0.0003	-2.5 to 2.5	Pass
				50	12	-0.386	-0.0002	-2.5 to 2.5	Pass

13.4 B66_10MHz

13.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	10.8	3.519	0.0021	-2.5 to 2.5	Pass
					12	2.489	0.0015	-2.5 to 2.5	Pass
					13.2	5.207	0.0030	-2.5 to 2.5	Pass
				-30	12	1.802	0.0011	-2.5 to 2.5	Pass
				-20	12	1.602	0.0009	-2.5 to 2.5	Pass
				-10	12	1.230	0.0007	-2.5 to 2.5	Pass
				0	12	2.546	0.0015	-2.5 to 2.5	Pass
				10	12	1.402	0.0008	-2.5 to 2.5	Pass
				30	12	1.802	0.0011	-2.5 to 2.5	Pass
				40	12	0.701	0.0004	-2.5 to 2.5	Pass
	1745	50	0	50	12	6.394	0.0037	-2.5 to 2.5	Pass
				20	10.8	-4.692	-0.0027	-2.5 to 2.5	Pass
					12	-4.535	-0.0026	-2.5 to 2.5	Pass
					13.2	-2.689	-0.0015	-2.5 to 2.5	Pass
				-30	12	-13.25	-0.0025	-2.5 to 2.5	Pass
				-20	12	-3.676	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.144	-0.0007	-2.5 to 2.5	Pass
				0	12	-2.818	-0.0016	-2.5 to 2.5	Pass
				10	12	0.501	0.0003	-2.5 to 2.5	Pass
				30	12	0.730	0.0004	-2.5 to 2.5	Pass
				40	12	-3.633	-0.0021	-2.5 to 2.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing certification report & certificate, please contact us at least one (86-512)95770911 or email: CH.Official@sgs.com.cn.
 No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市留學生创业园伟业路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

	1775	50	0	50	12	-4.749	-0.0027	-2.5 to 2.5	Pass
				20	10.8	-0.958	-0.0005	-2.5 to 2.5	Pass
					12	1.330	0.0007	-2.5 to 2.5	Pass
					13.2	0.129	0.0001	-2.5 to 2.5	Pass
				-30	12	2.346	0.0013	-2.5 to 2.5	Pass
				-20	12	6.595	0.0037	-2.5 to 2.5	Pass
				-10	12	5.207	0.0029	-2.5 to 2.5	Pass
				0	12	3.891	0.0022	-2.5 to 2.5	Pass
				10	12	-0.429	-0.0002	-2.5 to 2.5	Pass
				30	12	-1.445	-0.0008	-2.5 to 2.5	Pass
40	12	1.330	0.0007	-2.5 to 2.5	Pass				
50	12	1.688	0.0010	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	10.8	2.046	0.0012	-2.5 to 2.5	Pass
					12	5.178	0.0030	-2.5 to 2.5	Pass
					13.2	4.306	0.0025	-2.5 to 2.5	Pass
				-30	12	5.450	0.0032	-2.5 to 2.5	Pass
				-20	12	5.894	0.0034	-2.5 to 2.5	Pass
				-10	12	3.977	0.0023	-2.5 to 2.5	Pass
				0	12	3.648	0.0021	-2.5 to 2.5	Pass
				10	12	5.121	0.0030	-2.5 to 2.5	Pass
				30	12	5.221	0.0030	-2.5 to 2.5	Pass
				40	12	5.522	0.0032	-2.5 to 2.5	Pass
	50	12	3.147	0.0018	-2.5 to 2.5	Pass			
	1745	50	0	20	10.8	-0.272	-0.0002	-2.5 to 2.5	Pass
					12	-0.730	-0.0004	-2.5 to 2.5	Pass
					13.2	3.347	0.0019	-2.5 to 2.5	Pass
				-30	12	-2.475	-0.0014	-2.5 to 2.5	Pass
				-20	12	-1.316	-0.0008	-2.5 to 2.5	Pass
				-10	12	-2.017	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				10	12	5.107	0.0029	-2.5 to 2.5	Pass
				30	12	-0.358	-0.0002	-2.5 to 2.5	Pass
				40	12	2.317	0.0013	-2.5 to 2.5	Pass
	50	12	3.333	0.0019	-2.5 to 2.5	Pass			
	1775	50	0	20	10.8	0.172	0.0001	-2.5 to 2.5	Pass
					12	-0.815	-0.0005	-2.5 to 2.5	Pass
					13.2	-1.402	-0.0008	-2.5 to 2.5	Pass
				-30	12	-1.273	-0.0007	-2.5 to 2.5	Pass
				-20	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	12	1.173	0.0007	-2.5 to 2.5	Pass
				0	12	-2.303	-0.0013	-2.5 to 2.5	Pass
				10	12	-1.402	-0.0008	-2.5 to 2.5	Pass
30				12	2.031	0.0011	-2.5 to 2.5	Pass	
40				12	0.329	0.0002	-2.5 to 2.5	Pass	
50	12	-1.159	-0.0007	-2.5 to 2.5	Pass				
64QAM	1715	50	0	20	10.8	3.433	0.0020	-2.5 to 2.5	Pass
					12	1.960	0.0011	-2.5 to 2.5	Pass
					13.2	1.302	0.0008	-2.5 to 2.5	Pass
				-30	12	3.562	0.0021	-2.5 to 2.5	Pass
				-20	12	1.402	0.0008	-2.5 to 2.5	Pass
				-10	12	3.805	0.0022	-2.5 to 2.5	Pass
				0	12	2.432	0.0014	-2.5 to 2.5	Pass
				10	12	0.973	0.0006	-2.5 to 2.5	Pass
30	12	3.834	0.0022	-2.5 to 2.5	Pass				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overall, available on request or accessible at <http://www.egg.com/terms-and-conditions.aspx>, and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.egg.com/terms-and-conditions.aspx>. The Company is not drawn to the attention of the Client, in order to inform the Client of the existence of the General Conditions of Service and Terms and Conditions for Electronic Documents, and the Company is not responsible for the Client's failure to read the General Conditions of Service and Terms and Conditions for Electronic Documents. Any notice of this document is deemed to have been received by the Client at the time of the Client's request for the document, and within the limits of the Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

186-51257356888 186-51257370818 www.sgsigroup.com.cn
 186-51257356888 186-51257370818 sgs.china@sgs.com