

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 1 of 45

Appendix B.6

LTE Band 12



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 instructions. The Company reserves the right to withdraw this document and this information from circulation at any time, 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 2 of 45

Effective (Isotropic) Radiated Power Output Data

Test Result

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.44	20.29	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.48	20.33	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.48	20.33	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.47	19.32	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.55	20.4	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.54	20.39	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.52	20.37	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.58	19.43	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.71	20.56	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.51	20.36	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.54	20.39	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.59	19.44	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.59	19.44	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.62	19.47	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.58	19.43	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.44	18.29	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.61	19.46	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.66	19.51	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.6	19.45	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.55	18.4	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.63	19.48	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.55	19.4	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.6	19.45	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.56	18.41	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.59	18.44	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.67	18.52	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.61	18.46	34.77	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 its professional training, experience and the information available to it. The document is not a formal document and is not intended for third 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: SEWM2308000314RG01

Rev.: 01

Page: 3 of 45

Band12	1.4MHz	64QAM	23017	6RB#0	21.44	17.29	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.7	18.55	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.68	18.53	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.69	18.54	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.55	17.4	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.68	18.53	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.67	18.52	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.66	18.51	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.51	17.36	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#0	19.56	15.41	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#2	19.49	15.34	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#5	19.53	15.38	34.77	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	19.43	15.28	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#0	19.64	15.49	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#2	19.65	15.5	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#5	19.62	15.47	34.77	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	19.48	15.33	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#0	19.57	15.42	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#2	19.63	15.48	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#5	19.6	15.45	34.77	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	19.51	15.36	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.45	20.3	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.48	20.33	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.46	20.31	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.52	19.37	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.21	20.06	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.54	20.39	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.51	20.36	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.53	19.38	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.5	20.35	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.57	20.42	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.56	20.41	34.77	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 its professional training, experience and knowledge. It is the client's responsibility to verify its content prior 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01

Rev.: 01

Page: 4 of 45

Band12	3MHz	QPSK	23165	15RB#0	23.57	19.42	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.54	19.39	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.54	19.39	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.56	19.41	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.49	18.34	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.61	19.46	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.63	19.48	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.57	19.42	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.53	18.38	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.65	19.5	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.62	19.47	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.58	19.43	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.6	18.45	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	22.6	18.45	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	22.62	18.47	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.61	18.46	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.55	17.4	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.67	18.52	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.69	18.54	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.65	18.5	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.55	17.4	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	22.69	18.54	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.7	18.55	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.68	18.53	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.63	17.48	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#0	19.53	15.38	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#8	19.55	15.4	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#14	19.55	15.4	34.77	PASS
Band12	3MHz	256QAM	23025	15RB#0	19.48	15.33	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#0	19.63	15.48	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#8	19.62	15.47	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#14	19.56	15.41	34.77	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 instructions. The Company shall not be liable for any statement made in this document which is a matter of general knowledge or otherwise comes into the possession of the Company or which was supplied by a third party to the Company in confidence. 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2308000314RG01

Rev.: 01

Page: 5 of 45

Band12	3MHz	256QAM	23095	15RB#0	19.52	15.37	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#0	19.61	15.46	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#8	19.63	15.48	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#14	19.63	15.48	34.77	PASS
Band12	3MHz	256QAM	23165	15RB#0	19.55	15.4	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.52	20.37	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.55	20.4	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.57	20.42	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.55	19.4	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.48	20.33	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.6	20.45	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.57	20.42	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.55	19.4	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.82	19.67	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.58	20.43	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.6	20.45	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.6	19.45	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.63	19.48	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.6	19.45	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.63	19.48	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.55	18.4	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.74	19.59	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.68	19.53	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.65	19.5	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.57	18.42	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.66	19.51	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.64	19.49	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.62	19.47	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.57	18.42	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.68	18.53	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	22.66	18.51	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.73	18.58	34.77	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. The Company shall not be responsible for any statement made on behalf of its Client and this document is not a formal document and is not intended for third 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01

Rev.: 01

Page: 6 of 45

Band12	5MHz	64QAM	23035	25RB#0	21.5	17.35	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.76	18.61	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.72	18.57	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	22.73	18.58	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.55	17.4	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.73	18.58	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.67	18.52	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.72	18.57	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.55	17.4	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#0	19.55	15.4	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#12	19.6	15.45	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#24	19.62	15.47	34.77	PASS
Band12	5MHz	256QAM	23035	25RB#0	19.51	15.36	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#0	19.74	15.59	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#12	19.56	15.41	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#24	19.64	15.49	34.77	PASS
Band12	5MHz	256QAM	23095	25RB#0	19.5	15.35	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#0	19.71	15.56	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#12	19.64	15.49	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#24	19.69	15.54	34.77	PASS
Band12	5MHz	256QAM	23155	25RB#0	19.56	15.41	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.53	20.38	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.52	20.37	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.55	20.4	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.57	19.42	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.32	20.17	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.55	20.4	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.56	20.41	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.6	19.45	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.43	20.28	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.55	20.4	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.56	20.41	34.77	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 instructions. The Company shall not be liable for any statement made in this document which is not directed to a specific party 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2308000314RG01

Rev.: 01

Page: 7 of 45

Band12	10MHz	QPSK	23130	50RB#0	23.62	19.47	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.63	19.48	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.7	19.55	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.63	19.48	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.54	18.39	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.69	19.54	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.72	19.57	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.75	19.6	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.58	18.43	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.65	19.5	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.75	19.6	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.66	19.51	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.59	18.44	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.68	18.53	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.73	18.58	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.67	18.52	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.49	17.34	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.74	18.59	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.68	18.53	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	22.75	18.6	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.53	17.38	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.7	18.55	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	22.72	18.57	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	22.69	18.54	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.55	17.4	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#0	19.65	15.5	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#24	19.67	15.52	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#49	19.67	15.52	34.77	PASS
Band12	10MHz	256QAM	23060	50RB#0	19.53	15.38	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#0	19.67	15.52	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#24	19.61	15.46	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#49	19.63	15.48	34.77	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 instructions. The Company shall not be liable for any statement made in this document which is not agreed in writing with several 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Report No.: SEWM2308000314RG01

Rev.: 01

Page: 8 of 45

Band12	10MHz	256QAM	23095	50RB#0	19.53	15.38	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#0	19.61	15.46	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#24	19.63	15.48	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#49	19.61	15.46	34.77	PASS
Band12	10MHz	256QAM	23130	50RB#0	19.55	15.4	34.77	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 instructions. The Company reserves the right to withdraw this document and this transaction from its files at any time. No party 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 9 of 45

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	4.90	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.08	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.12	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.50	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.50	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.48	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	5.96	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.00	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	5.98	13	PASS
Band12	10MHz	256QAM	23060	50RB#0	6.46	13	PASS
Band12	10MHz	256QAM	23095	50RB#0	6.46	13	PASS
Band12	10MHz	256QAM	23130	50RB#0	6.42	13	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 instructions. The Company reserves the right to its Client and third 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000

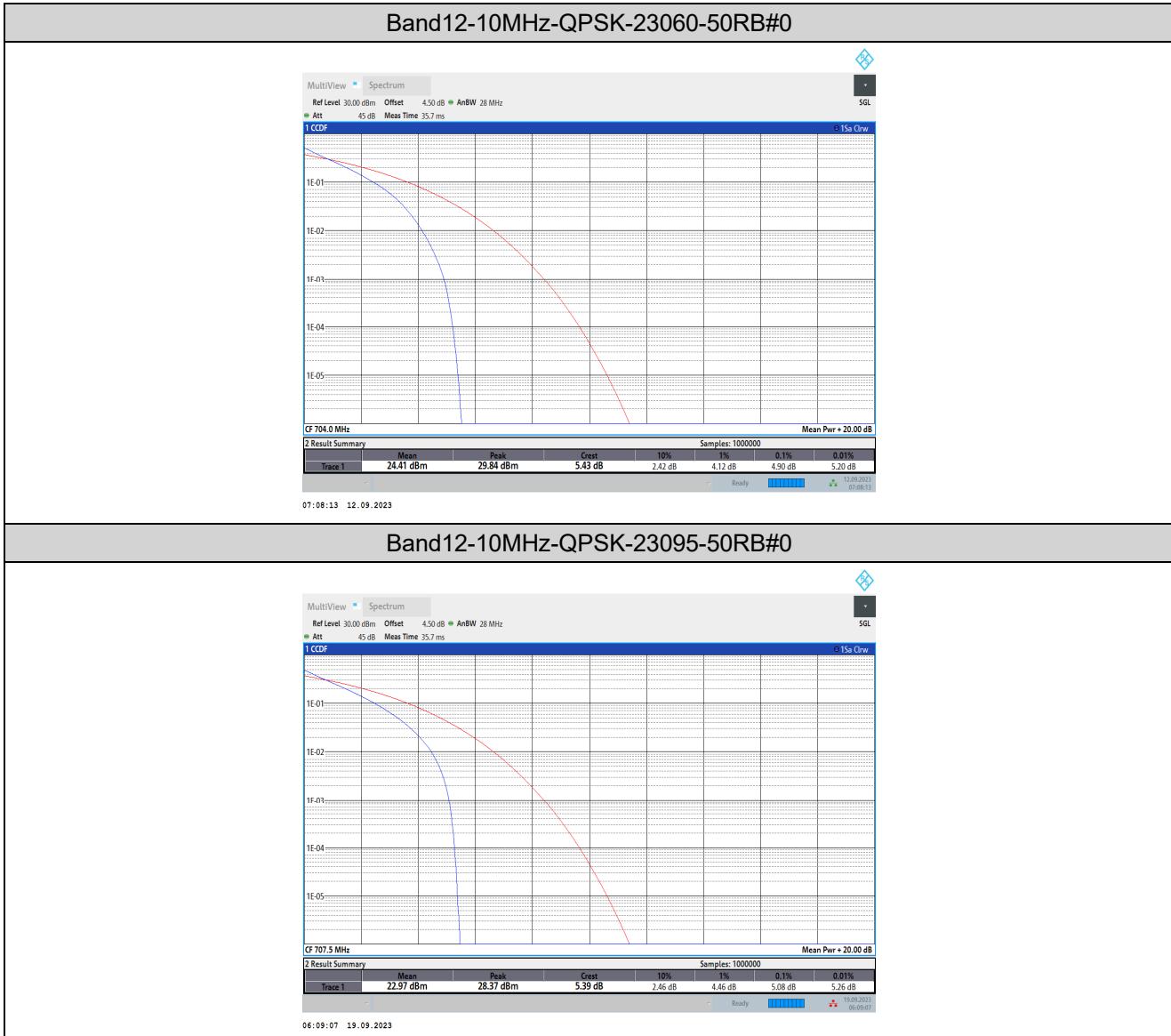
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn

t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 10 of 45

Test Graphs



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. The Company reserves the right to withdraw its services and this document from several 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

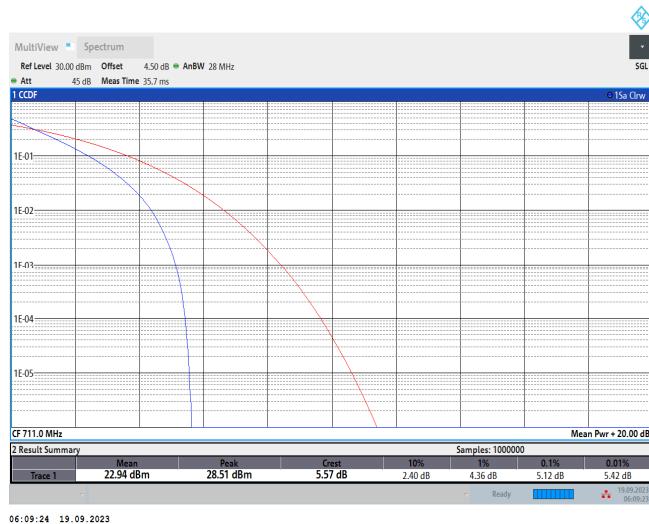


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

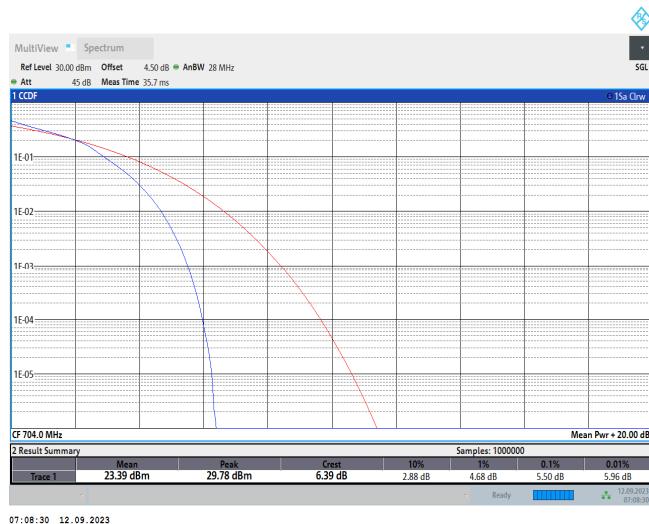
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 11 of 45

Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-50RB#0



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 instructions. The Company reserves the right to amend this document at any time and this document is not a general party 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

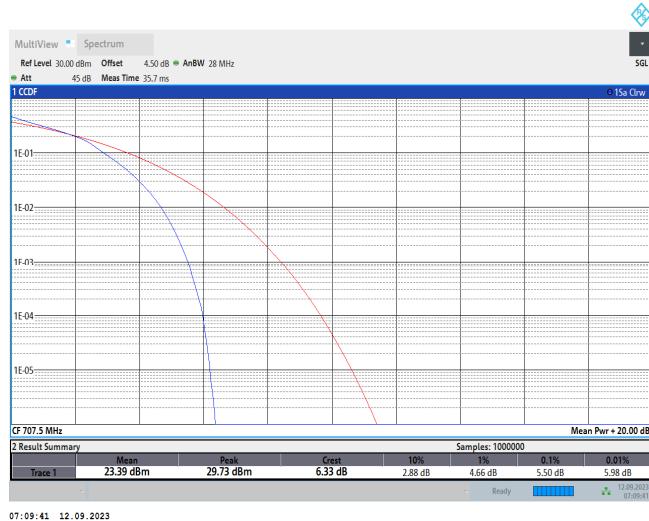


South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

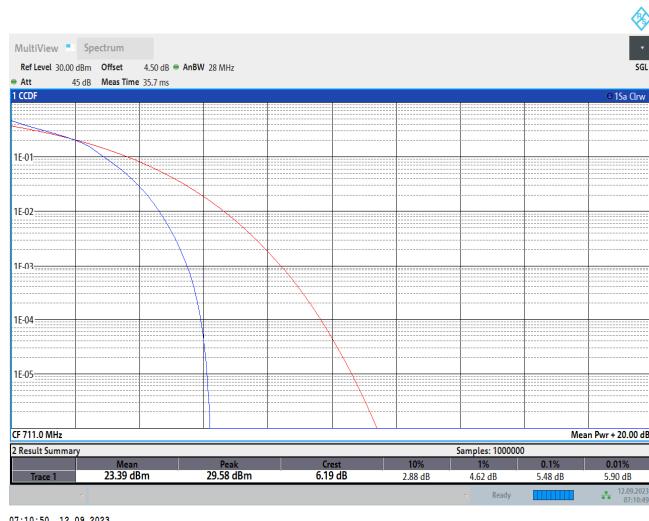
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 12 of 45

Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0



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 instructions. The Company reserves the right to withdraw its services and this document from several 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

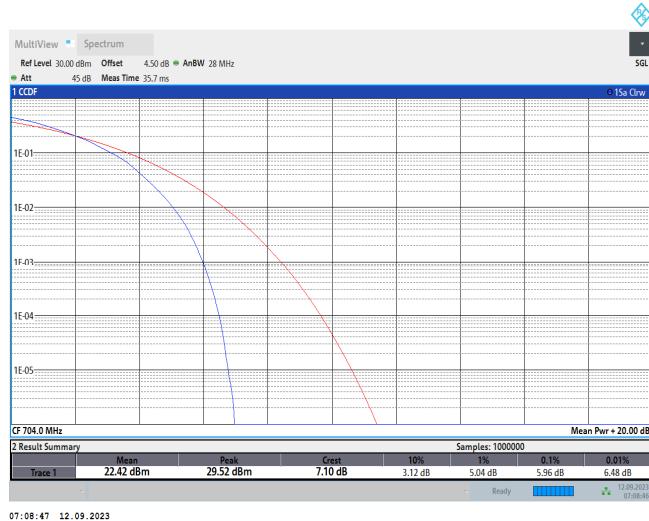


South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

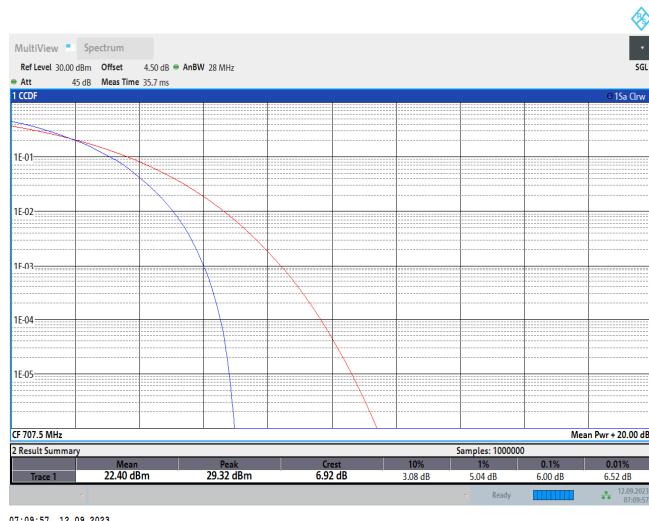
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 13 of 45

Band12-10MHz-64QAM-23060-50RB#0



Band12-10MHz-64QAM-23095-50RB#0



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 instructions. The Company shall not be liable to its Client and third parties for any damage suffered by third 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

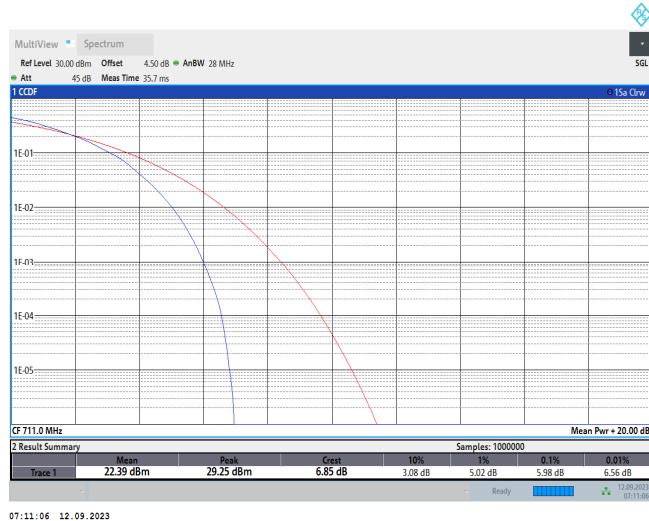


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

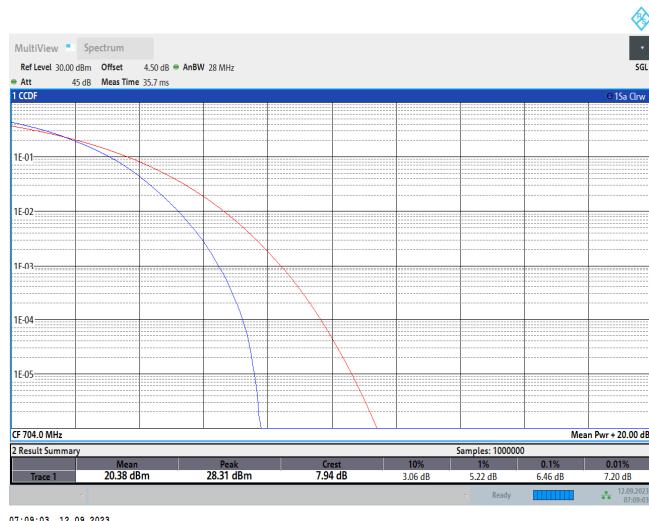
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 14 of 45

Band12-10MHz-64QAM-23130-50RB#0



Band12-10MHz-256QAM-23060-50RB#0



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 instructions. The Company shall not be liable to its Client and third parties for any damage or loss suffered by a third party in connection with this document or any part thereof, except for damages resulting from death or personal injury due to negligence 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

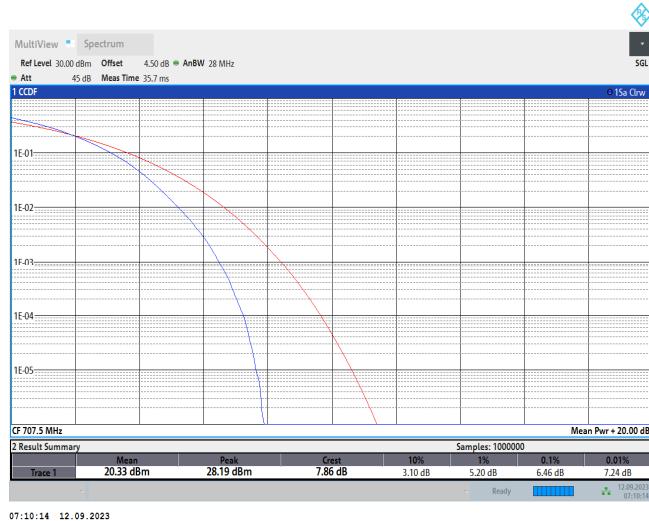


South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

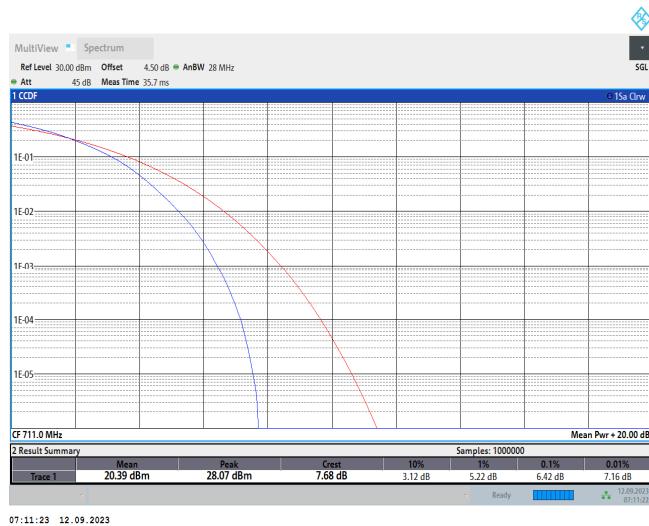
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 15 of 45

Band12-10MHz-256QAM-23095-50RB#0



Band12-10MHz-256QAM-23130-50RB#0



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 instructions. The Company shall not be liable to its Client and third parties for any damage suffered by third 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23095	6RB#0	1.095	1.29	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.099	1.31	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.099	1.32	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	1.087	1.29	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.695	2.94	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.692	2.95	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.689	2.92	PASS
Band12	3MHz	256QAM	23095	15RB#0	2.687	2.93	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.465	4.88	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.468	4.90	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.473	4.86	PASS
Band12	5MHz	256QAM	23095	25RB#0	4.468	4.84	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.919	9.58	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.927	9.64	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.936	9.90	PASS
Band12	10MHz	256QAM	23095	50RB#0	8.927	9.60	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 instructions. The Company reserves the right to withdraw or amend this document at any time and this document is not a formal contract and is not binding on the Company or its client, unless otherwise agreed in writing. 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

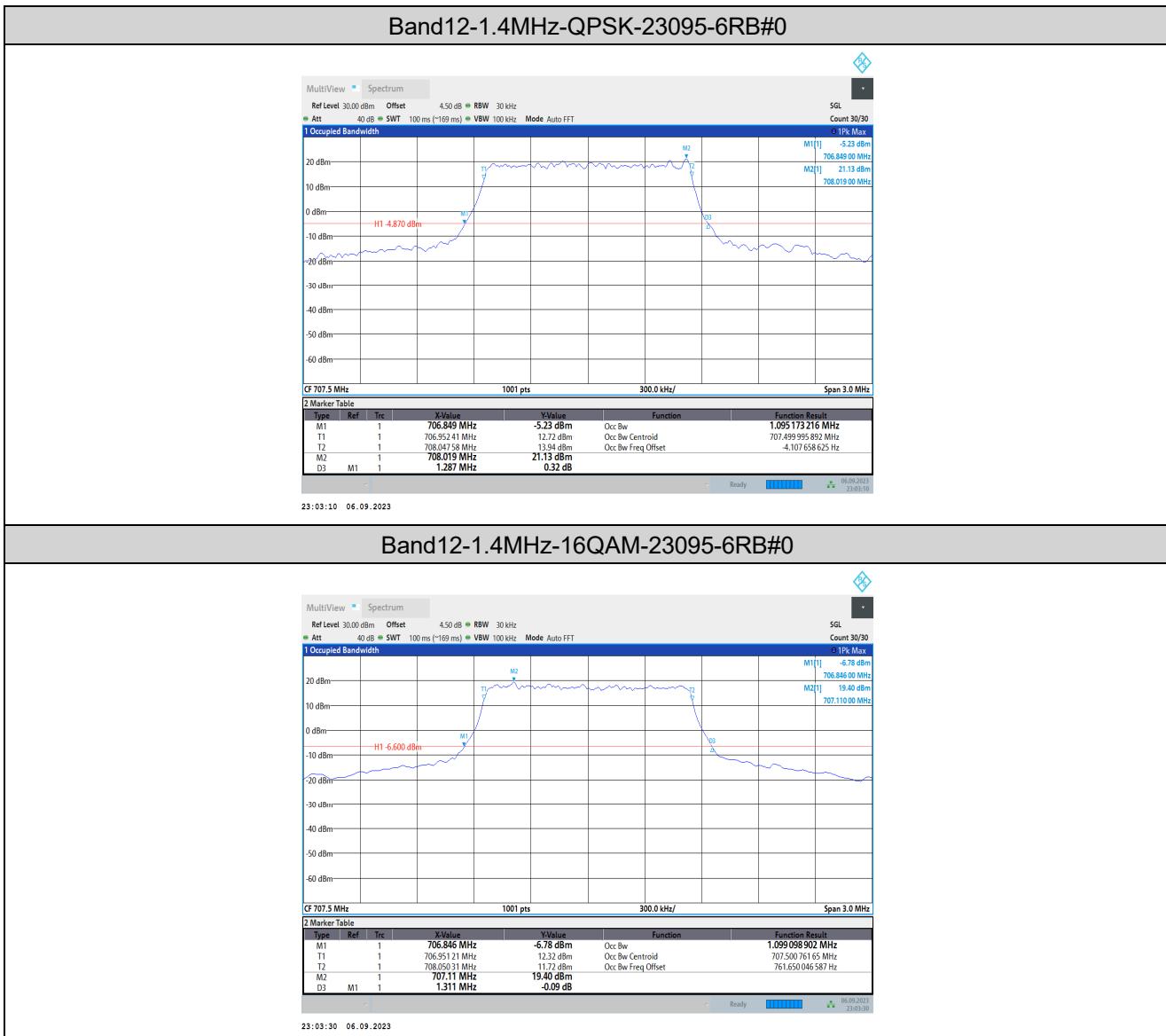


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 17 of 45

Test Graphs



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. The Company accepts responsibility only for its own errors and those of its several 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

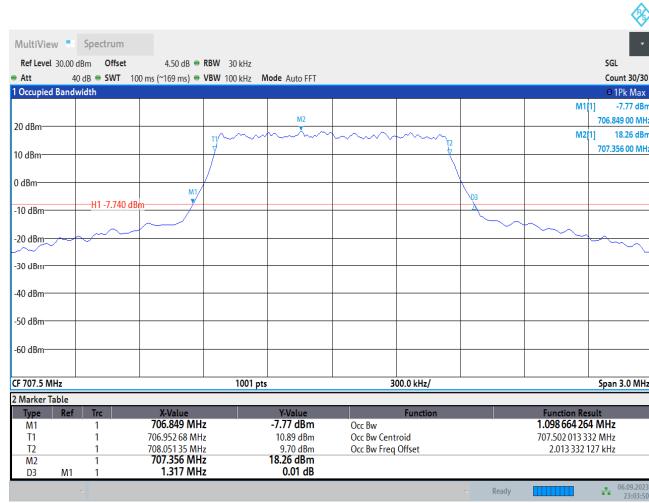


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

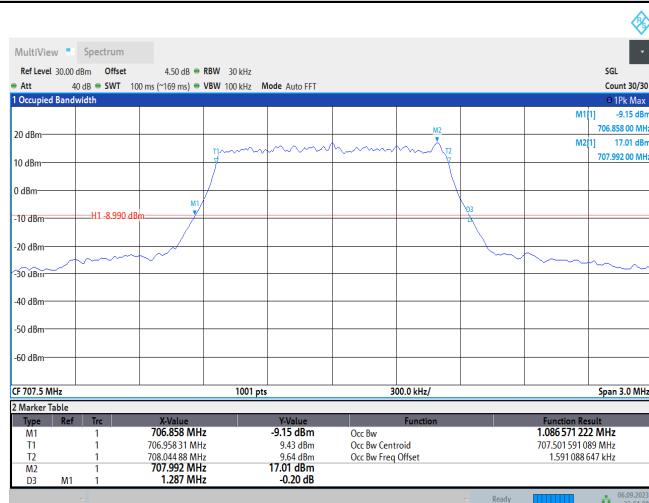
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 18 of 45

Band12-1.4MHz-64QAM-23095-6RB#0



Band12-1.4MHz-256QAM-23095-6RB#0



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. The Company does not accept liability to its Client and third parties for any damage suffered by third 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

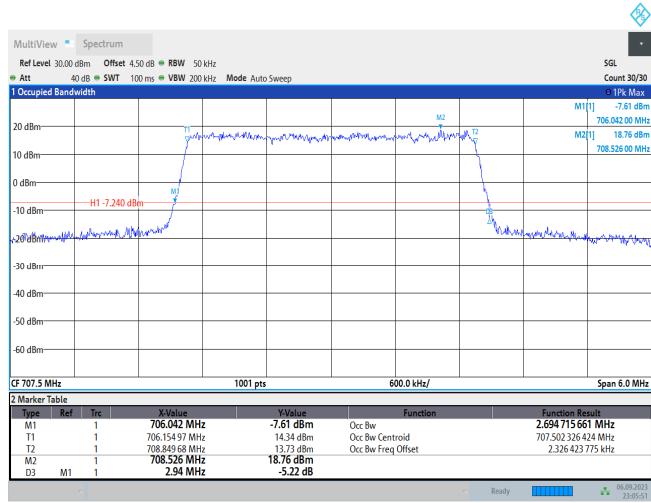


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

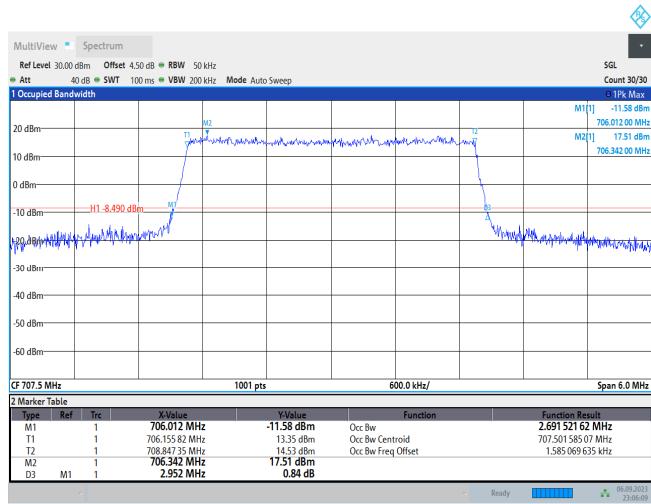
Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 19 of 45

Band12-3MHz-QPSK-23095-15RB#0



23:05:52 06.09.2023

Band12-3MHz-16QAM-23095-15RB#0



23:06:10 06.09.2023

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. The Company disclaims responsibility for its client and third parties using this document or several 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.

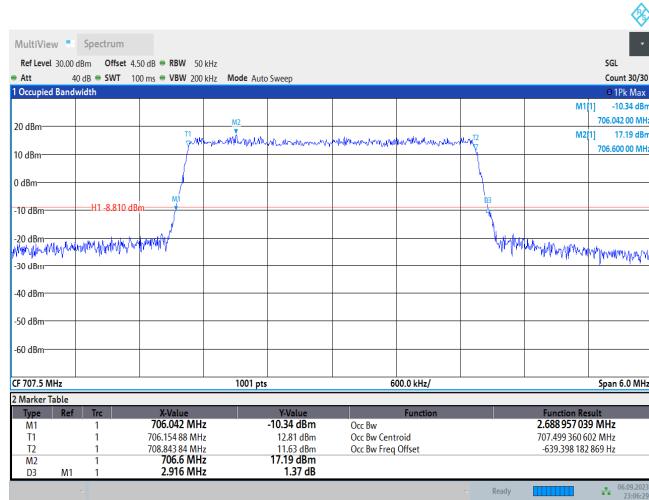
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



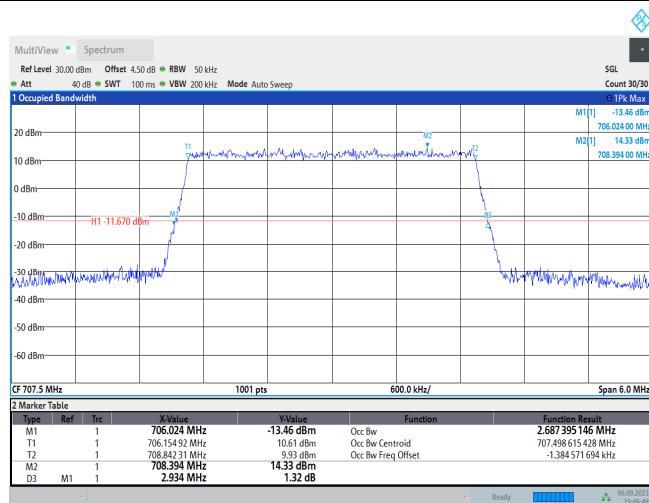
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000
 t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 20 of 45

Band12-3MHz-64QAM-23095-15RB#0



Band12-3MHz-256QAM-23095-15RB#0



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. The Company shall not be responsible for any statement made in this document by a third party party 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.

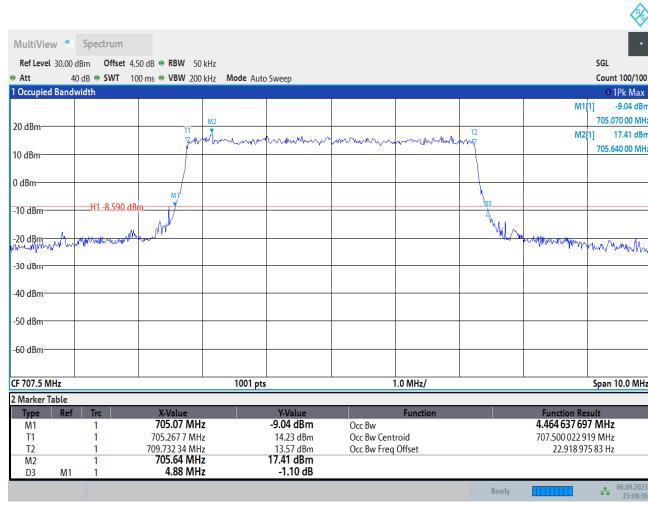
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

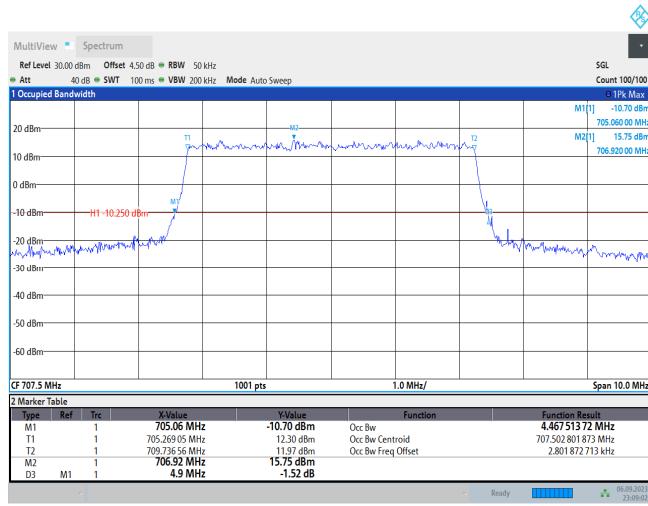
Report No.: SEWM2308000314RG01
Rev.: 01
Page: 21 of 45

Band12-5MHz-QPSK-23095-25RB#0



23:08:36 06.09.2023

Band12-5MHz-16QAM-23095-25RB#0



23:09:02 06.09.2023

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. The Company disclaims responsibility for its client and third parties using this document or parts thereof in 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

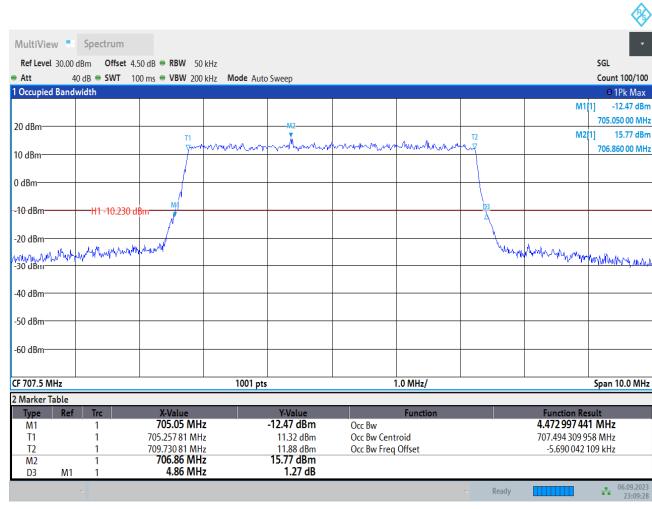


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

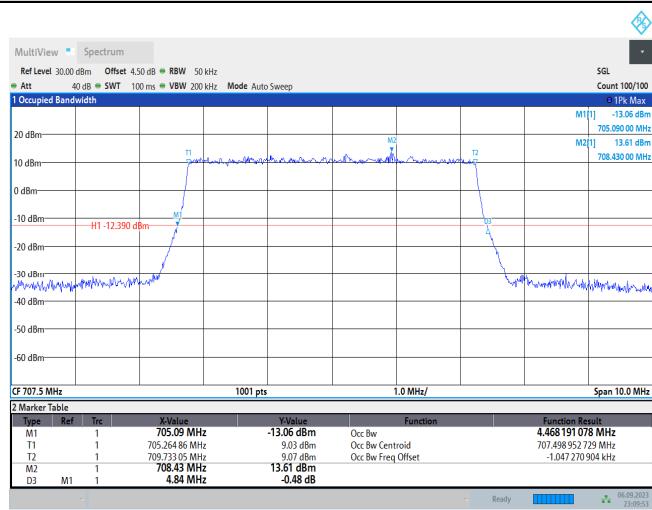
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 22 of 45

Band12-5MHz-64QAM-23095-25RB#0



Band12-5MHz-256QAM-23095-25RB#0



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 instructions. The Company does not accept liability for its client and third parties using this document or several 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

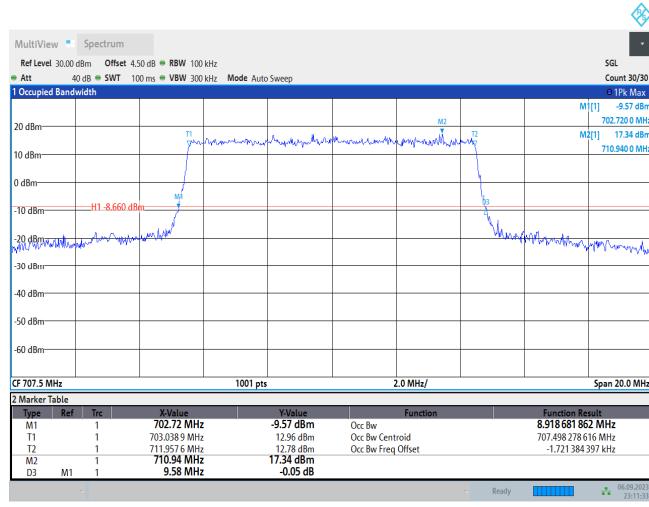


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

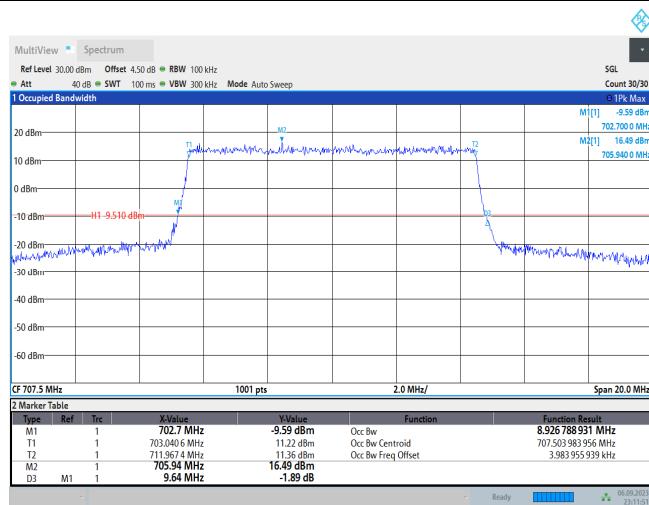
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 23 of 45

Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



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. The Company does not accept liability to its Client and third parties for any statement made in this document or for any 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

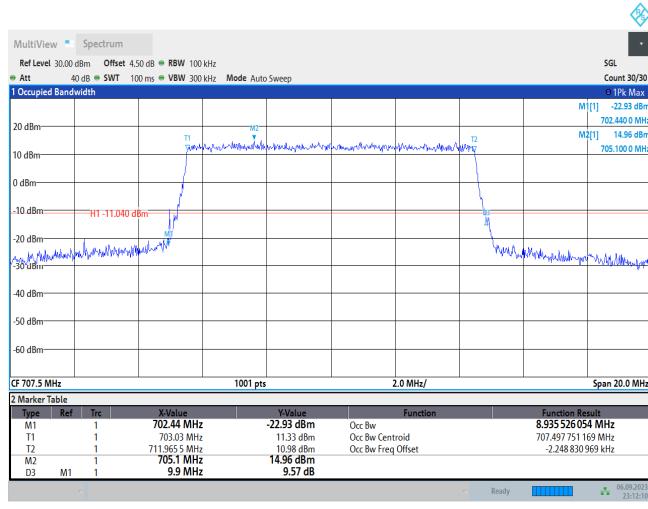


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

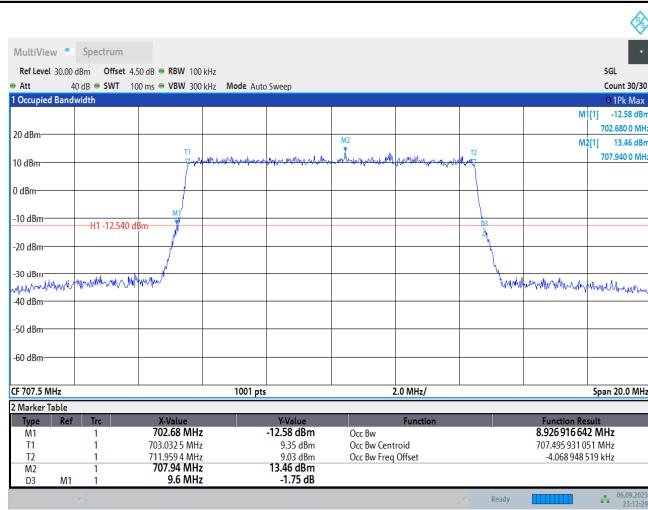
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 24 of 45

Band12-10MHz-64QAM-23095-50RB#0



Band12-10MHz-256QAM-23095-50RB#0



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. The Company shall not be responsible for any statement made in this document or in several parts 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



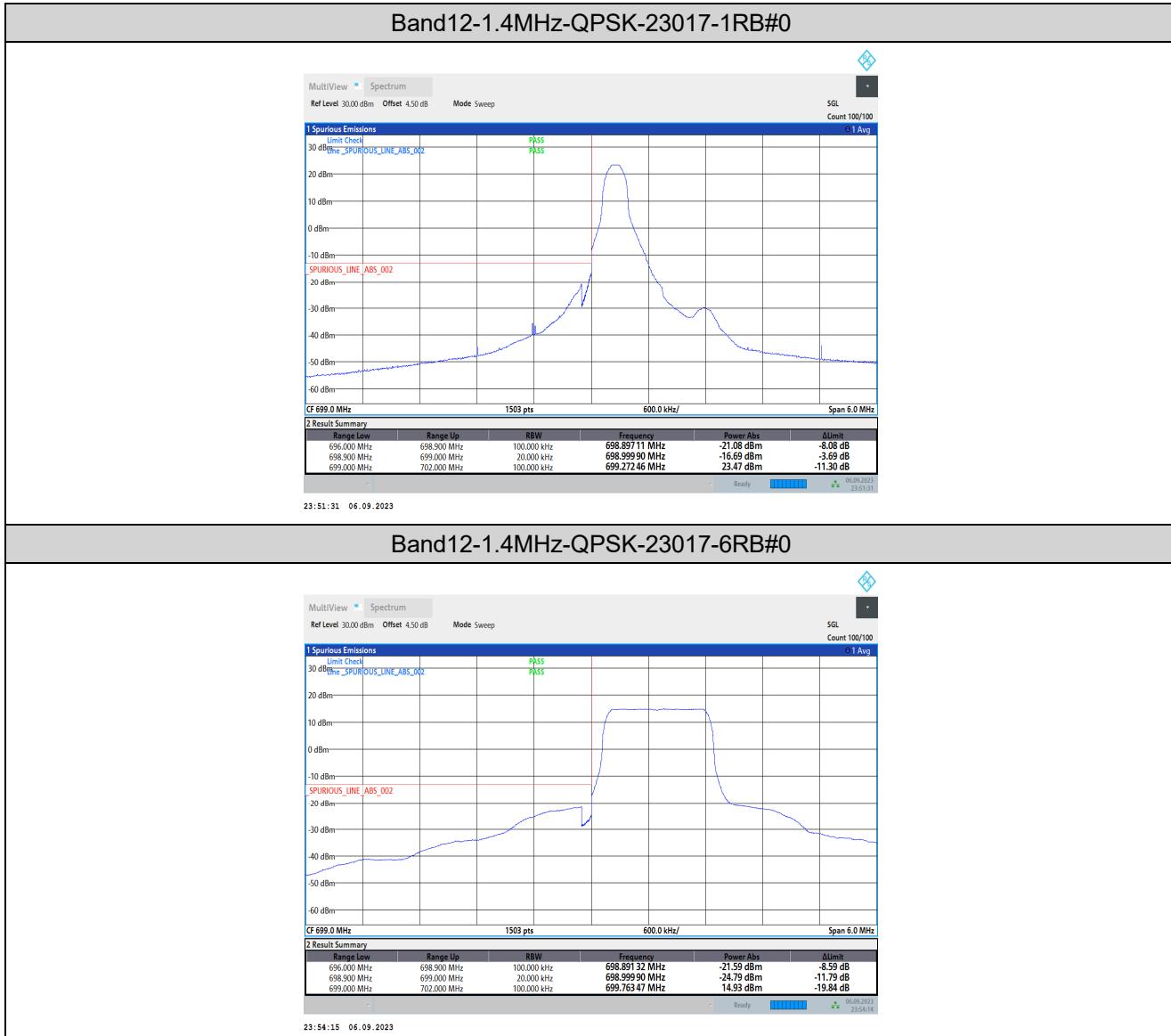
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 25 of 45

Band Edge

Test Graphs



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 its professional training and experience. The Company reserves the right to update its client and this document at any time and in any manner, in its sole discretion, without prior notice. 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.

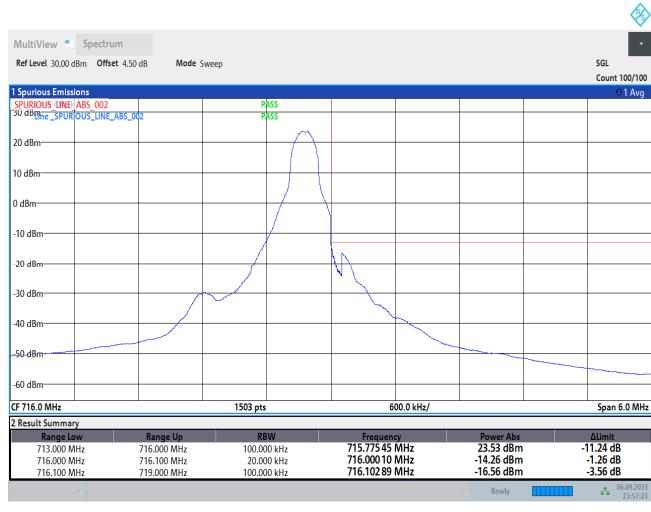
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



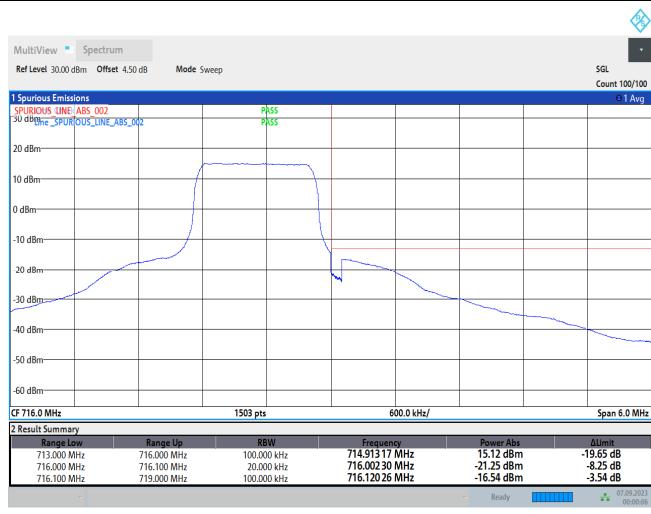
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000
 t (86-512) 62992980 t (86-512) 62992980 www.sgsgroup.com.cn
 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 26 of 45

Band12-1.4MHz-QPSK-23173-1RB#5



Band12-1.4MHz-QPSK-23173-6RB#0



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. The Company reserves the right to its Client and third parties to whom this document is made available, 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

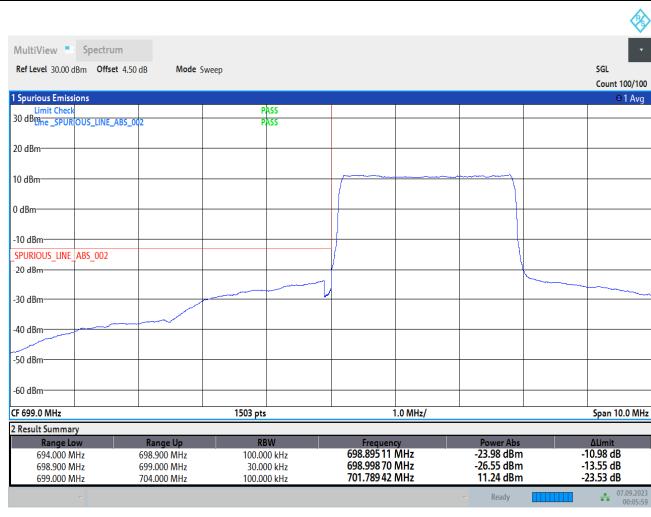
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 27 of 45

Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-15RB#0



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. The Company shall not be responsible for any statement made in this document by a third party or 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.

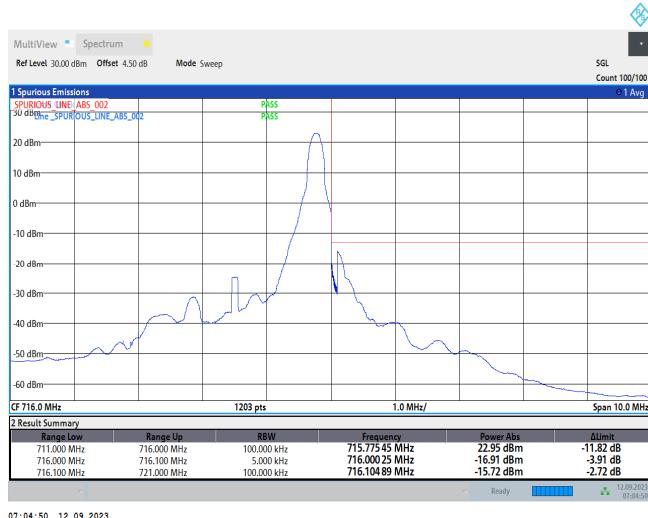
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

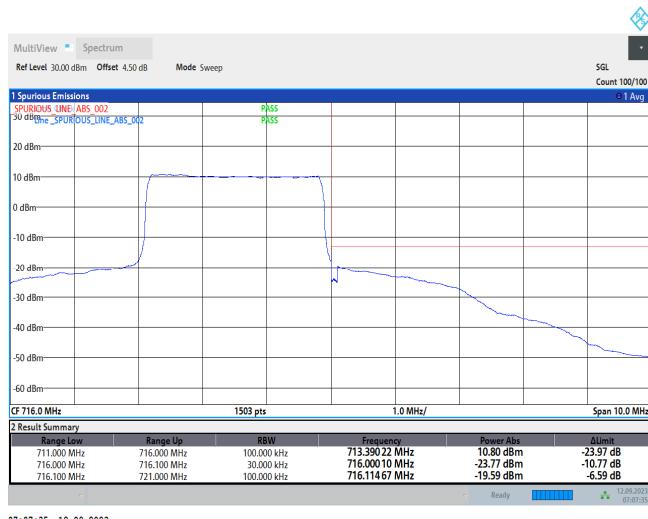
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 28 of 45

Band12-3MHz-QPSK-23165-1RB#14



Band12-3MHz-QPSK-23165-15RB#0



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 instructions. The Company retains responsibility for its Client and third parties to whom this document is made available, 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

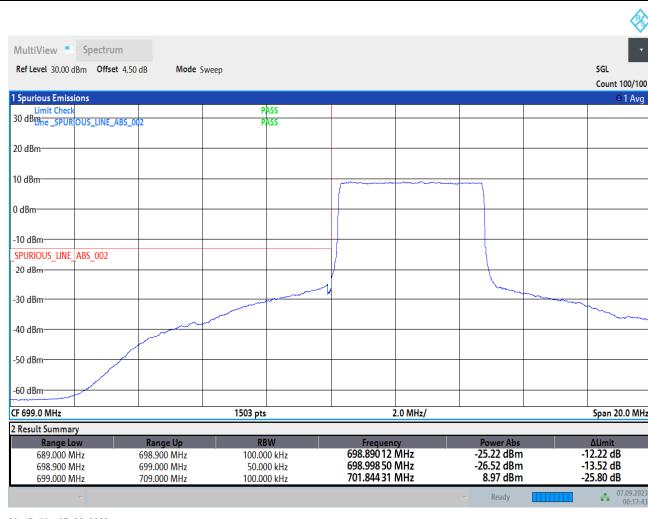
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 29 of 45

Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-25RB#0



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. The Company does not accept liability to third parties in respect of this document or several 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

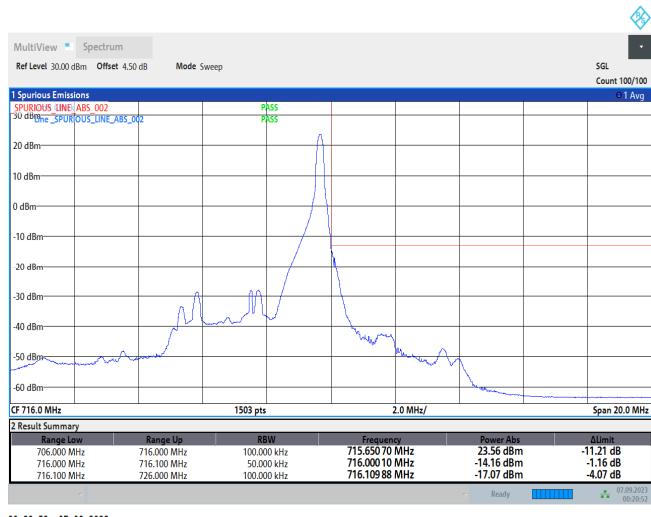


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

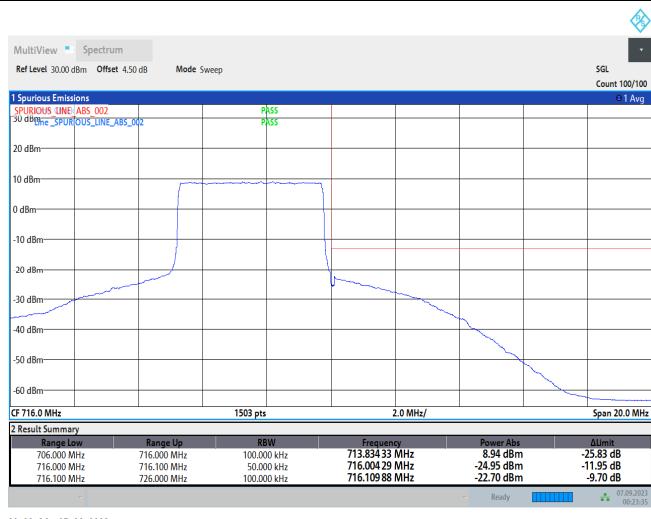
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 30 of 45

Band12-5MHz-QPSK-23155-1RB#24



Band12-5MHz-QPSK-23155-25RB#0



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-eDocument.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdictional issues defined therein. Any holder of this document is advised that it is the responsibility of the Company's client to inform the Company of any specific requirements relating to the use 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.



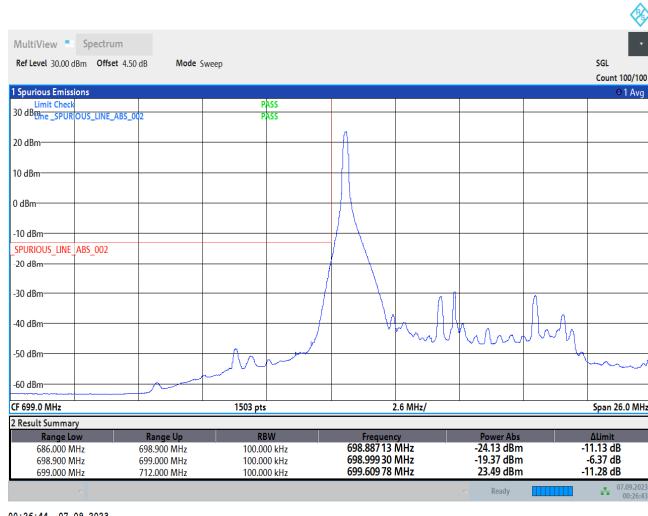
SGS-CSTC Standards Technical Services (Shenzhen) Co., Ltd
Wireless Laboratory

Attention: To check the authenticity of testing /inspection report & certificate or email: CN.Doccheck@sgs.com

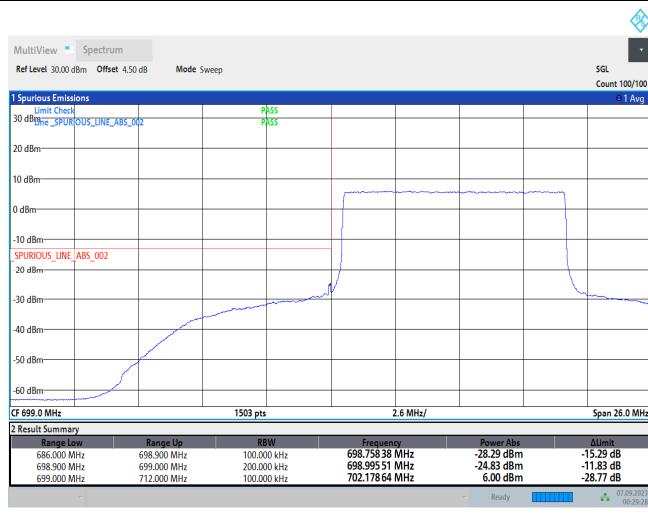
For more information, please contact us at telephone: (86-755) 8307 1443,
e-mail: sas_china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 31 of 45

Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-50RB#0



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. The Company does not accept liability to third parties in respect of this document or for any part thereof. 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

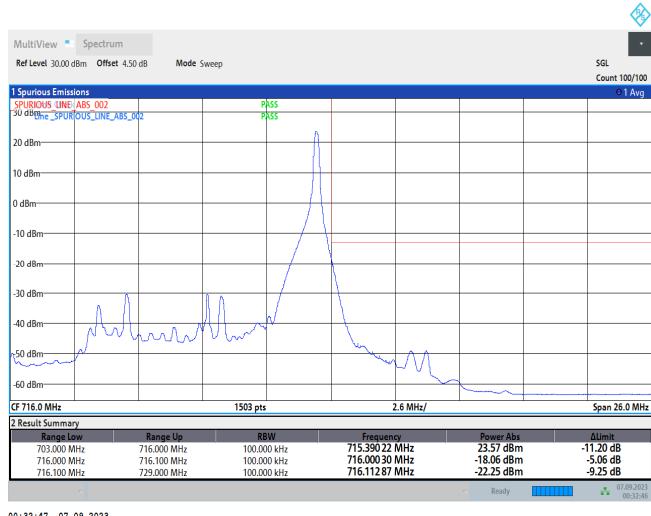


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

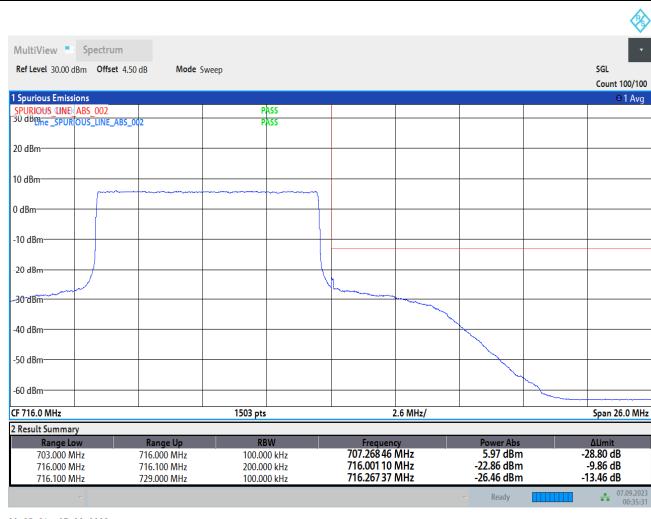
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 32 of 45

Band12-10MHz-QPSK-23130-1RB#49



Band12-10MHz-QPSK-23130-50RB#0



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 its professional training and experience. The Company disclaims responsibility for any damage, direct or consequential, arising out of the use of this document or any part thereof. 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

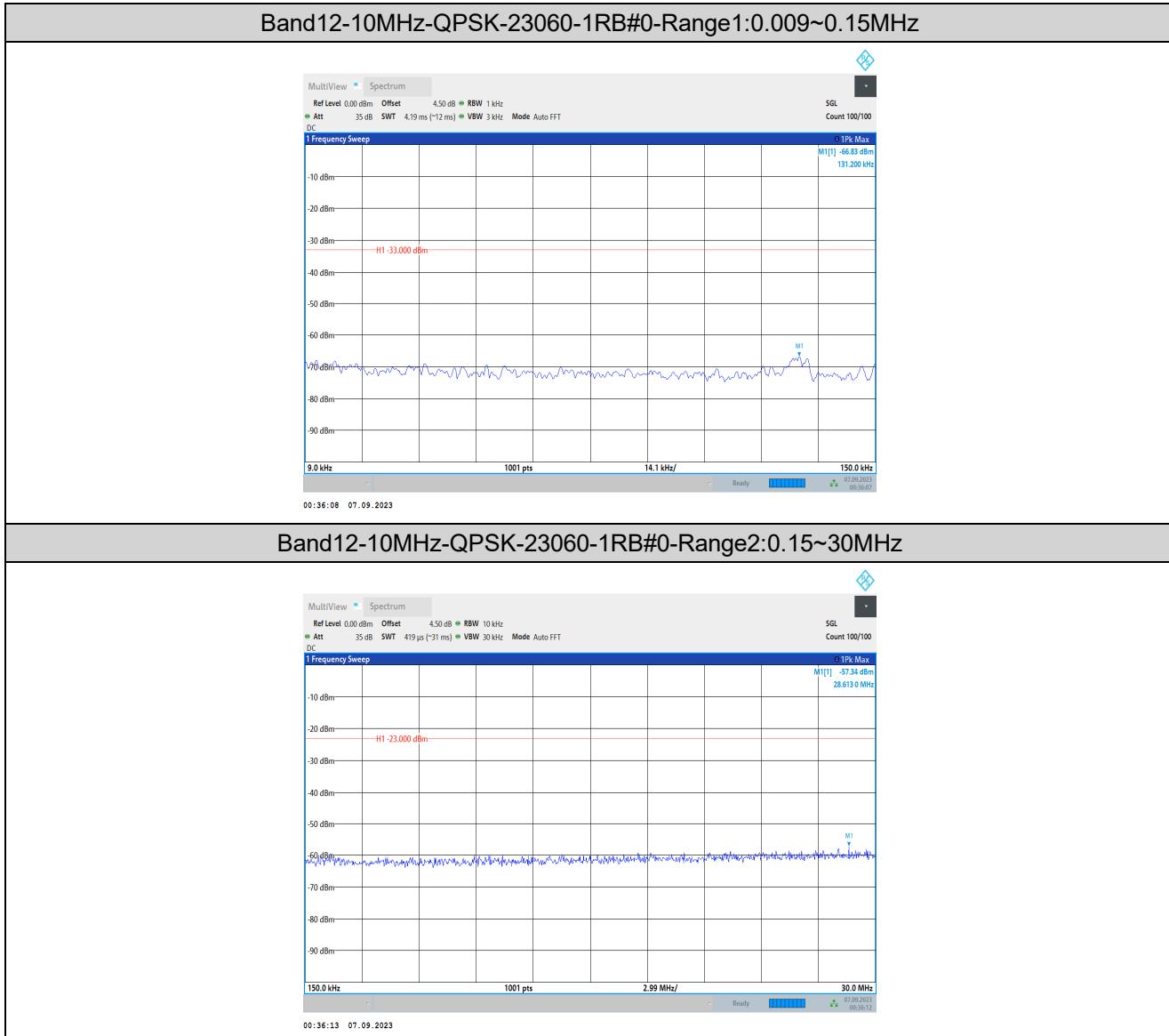


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Conducted Spurious Emission

Test Graphs



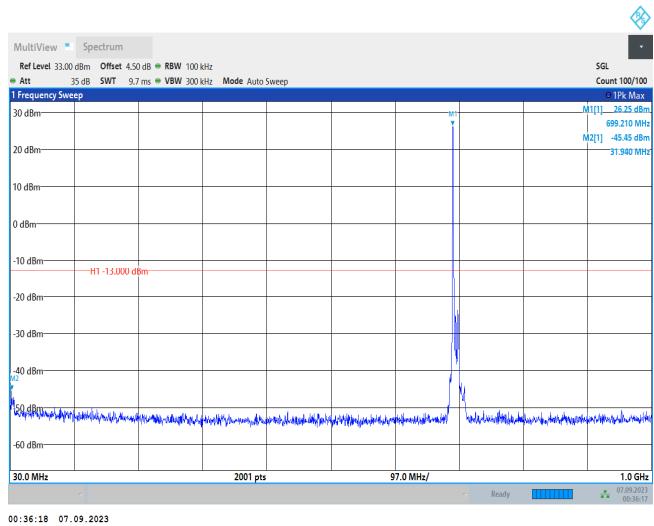
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-eDocument.aspx>, and to the following terms and conditions detailed below. It is the Client's responsibility to advise 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

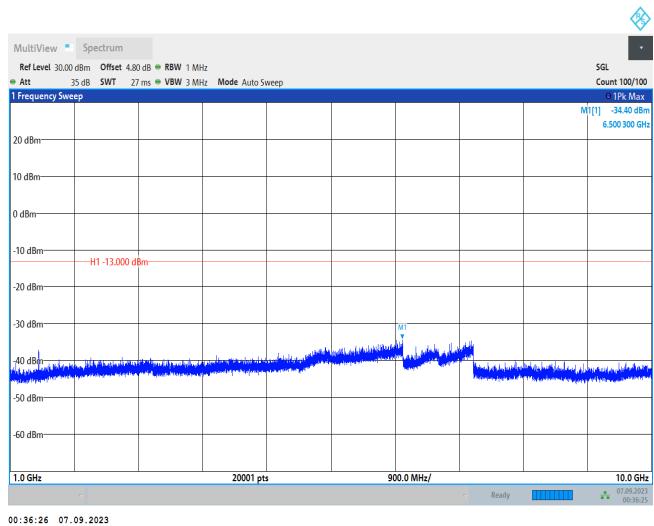
The seal is circular with a red star in the center. The outer ring contains the text "SGS-CSTC Wireless Technical Services (Suzhou) Co., Ltd." and "检验检测专用章" (Inspection & Testing Service Seal). The inner circle contains "SGS-CSTC Wireless Technical Services (Suzhou) Co., Ltd." and "Inspection & Testing Service Seal".

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 34 of 45

Band12-10MHz-QPSK-23060-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range4:1000~10000MHz



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 instructions. The Company reserves the right to withdraw this document and its contents at any time, in the event of 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.

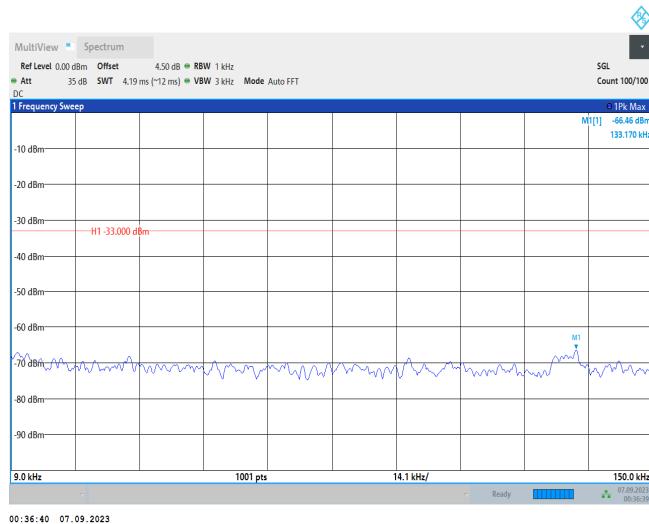
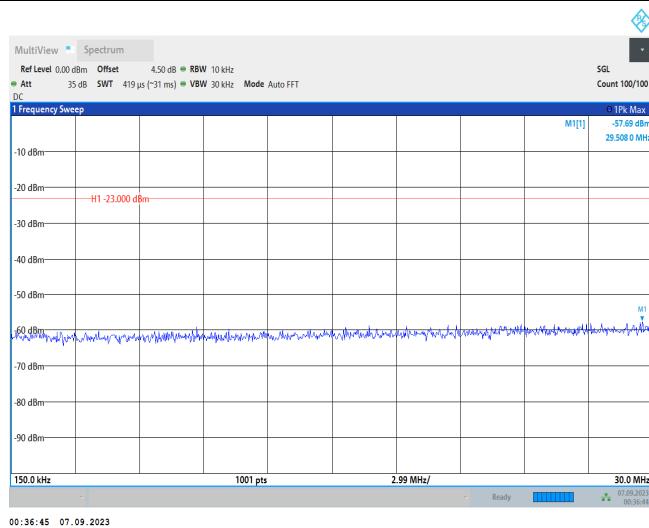
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 35 of 45

Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz**Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz**

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. The Company's liability in respect of this document is limited to the fee paid for the services rendered. 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

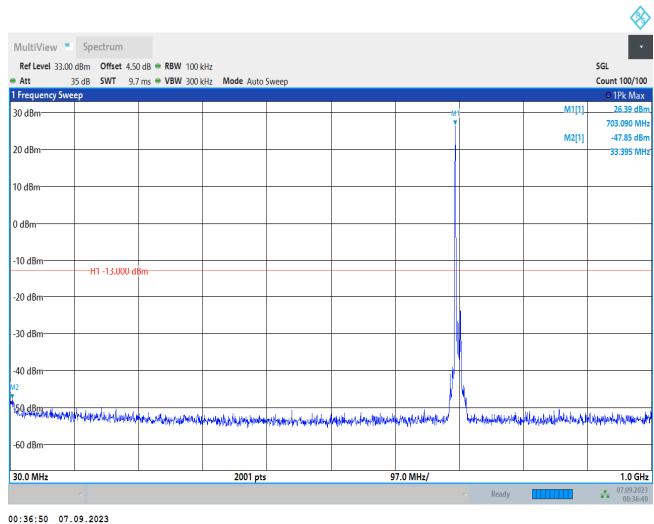
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

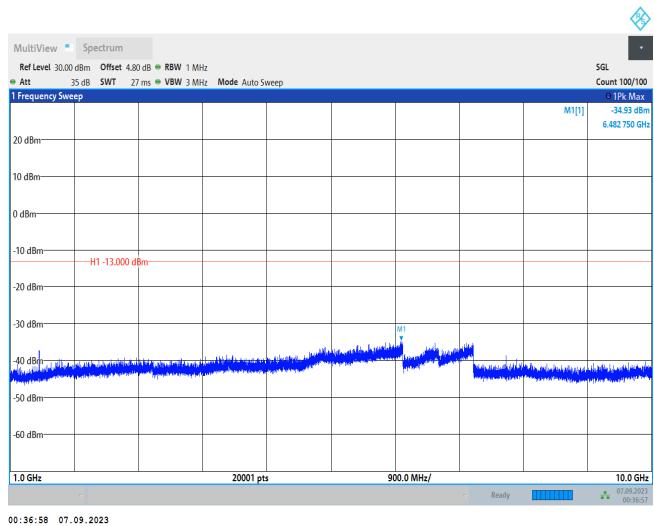
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 36 of 45

Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



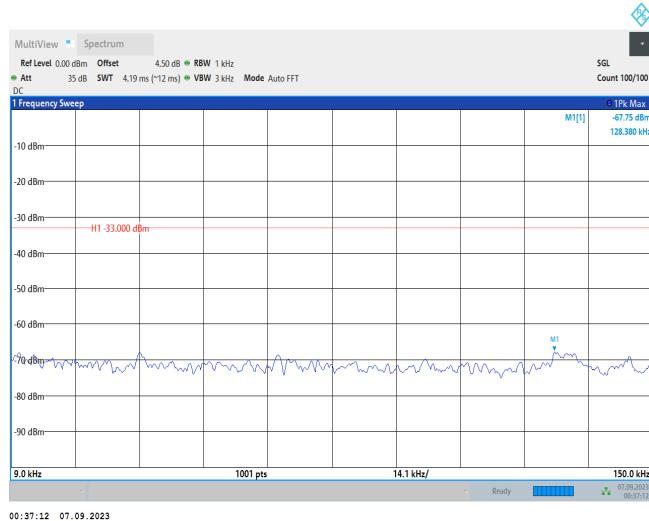
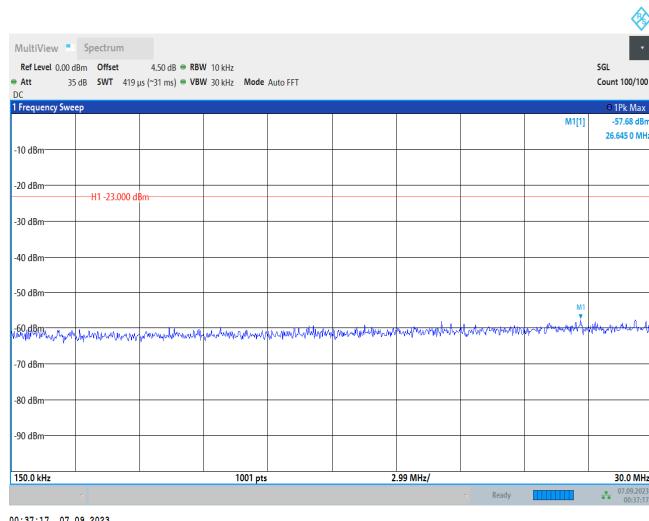
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Dокумент.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, transmitted, photocopied, or written up without the Company's prior written permission. 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.



SGS-CSTC Standards Technical Services (Shenzhen) Co., Ltd
Wireless Laboratory

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 37 of 45

Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz**Band12-10MHz-QPSK-23130-1RB#0-Range2:0.15~30MHz**

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. The Company's liability is limited to the terms and conditions of the relevant documents and no general 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

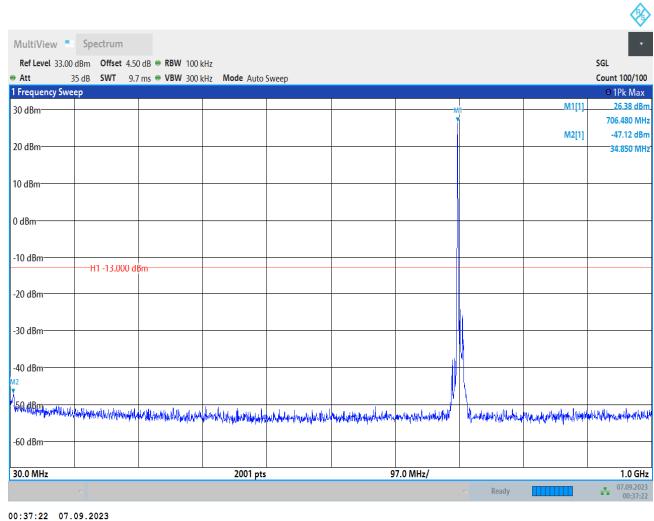


South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

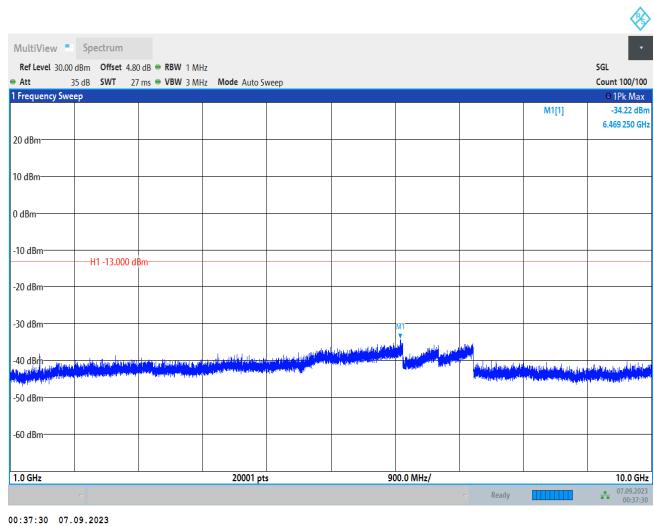
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 38 of 45

Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range4:1000~10000MHz



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 instructions. The Company retains responsibility for its Client and third parties and the document is not a general 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 39 of 45

Field Strength of Spurious Radiation

Test Band = LTE Band 12_10MHz_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	45.69	-50.01	24.30	-75.28	-13.00	62.28	Vertical
2	2098.77	45.53	-49.46	26.82	-72.37	-13.00	59.37	Vertical
3	2798.36	44.74	-48.68	28.02	-71.19	-13.00	58.19	Vertical
4	3497.95	44.95	-48.43	28.70	-70.05	-13.00	57.05	Vertical
5	4197.54	43.17	-48.36	29.76	-70.69	-13.00	57.69	Vertical
6	4897.13	43.72	-48.17	31.25	-68.45	-13.00	55.45	Vertical

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	45.12	-50.01	24.30	-75.85	-13.00	62.85	Horizontal
2	2098.77	44.57	-49.46	26.82	-73.33	-13.00	60.33	Horizontal
3	2798.36	45.39	-48.68	28.02	-70.54	-13.00	57.54	Horizontal
4	3497.95	44.85	-48.43	28.70	-70.15	-13.00	57.15	Horizontal
5	4197.54	43.78	-48.36	29.76	-70.08	-13.00	57.08	Horizontal
6	4897.13	42.96	-48.17	31.25	-69.21	-13.00	56.21	Horizontal

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 instructions. The Company retains responsibility for its Client and third parties and the document is not a general party 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 40 of 45

Test Band = LTE Band 12_10MHz_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	45.23	-50.00	24.32	-75.70	-13.00	62.70	Vertical
2	2109.27	44.55	-49.46	26.83	-73.34	-13.00	60.34	Vertical
3	2812.36	44.13	-48.69	28.05	-71.77	-13.00	58.77	Vertical
4	3515.45	44.25	-48.44	28.72	-70.73	-13.00	57.73	Vertical
5	4218.54	43.36	-48.30	29.79	-70.40	-13.00	57.40	Vertical
6	4921.63	43.04	-48.12	31.31	-69.03	-13.00	56.03	Vertical

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	45.05	-50.00	24.32	-75.88	-13.00	62.88	Horizontal
2	2109.27	44.63	-49.46	26.83	-73.26	-13.00	60.26	Horizontal
3	2812.36	44.66	-48.69	28.05	-71.24	-13.00	58.24	Horizontal
4	3515.45	43.76	-48.44	28.72	-71.22	-13.00	58.22	Horizontal
5	4218.54	43.23	-48.30	29.79	-70.53	-13.00	57.53	Horizontal
6	4921.63	43.19	-48.12	31.31	-68.88	-13.00	55.88	Horizontal

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 instructions. The Company reserves the right to withdraw or amend this document or any part of it at any time and this document is not a contract, 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 41 of 45

Test Band = LTE Band 12_10MHz_TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	45.90	-49.99	24.35	-74.99	-13.00	61.99	Vertical
2	2119.77	44.21	-49.47	26.84	-73.67	-13.00	60.67	Vertical
3	2826.36	44.85	-48.71	28.08	-71.03	-13.00	58.03	Vertical
4	3532.95	44.52	-48.45	28.75	-70.44	-13.00	57.44	Vertical
5	4239.54	43.41	-48.23	29.83	-70.25	-13.00	57.25	Vertical
6	4946.13	42.74	-48.07	31.37	-69.22	-13.00	56.22	Vertical

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	45.64	-49.99	24.35	-75.25	-13.00	62.25	Horizontal
2	2119.77	44.61	-49.47	26.84	-73.27	-13.00	60.27	Horizontal
3	2826.36	44.15	-48.71	28.08	-71.73	-13.00	58.73	Horizontal
4	3532.95	43.34	-48.45	28.75	-71.62	-13.00	58.62	Horizontal
5	4239.54	43.78	-48.23	29.83	-69.88	-13.00	56.88	Horizontal
6	4946.13	42.98	-48.07	31.37	-68.98	-13.00	55.98	Horizontal

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 instructions. The Company reserves the right to withdraw or amend any document issued to a Client and this document is not a final contract and is subject 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000
 t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 42 of 45

Test Band = LTE UL CA 12A-66A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.58	-48.40	28.66	-70.42	-13.00	57.42	Horizontal
2	5106.27	43.84	-47.82	31.76	-67.49	-13.00	54.49	Horizontal
3	6808.36	42.82	-46.88	35.18	-64.14	-13.00	51.14	Horizontal
4	8510.45	40.53	-44.25	36.92	-62.06	-13.00	49.06	Horizontal
5	10212.54	38.04	-42.01	38.69	-60.54	-13.00	47.54	Horizontal
6	11914.63	36.58	-39.90	39.22	-59.37	-13.00	46.37	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.05	-48.40	28.66	-70.95	-13.00	57.95	Vertical
2	5106.27	43.65	-47.82	31.76	-67.68	-13.00	54.68	Vertical
3	6808.36	43.72	-46.88	35.18	-63.24	-13.00	50.24	Vertical
4	8510.45	40.96	-44.25	36.92	-61.63	-13.00	48.63	Vertical
5	10212.54	38.55	-42.01	38.69	-60.03	-13.00	47.03	Vertical
6	11914.63	37.20	-39.90	39.22	-58.75	-13.00	45.75	Vertical

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 its expertise. The Company reserves the right to withdraw or amend this document or any part of it at any time and this document is not a contract, 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 43 of 45

Test Band = LTE UL CA 12A-66A_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.98	-48.34	28.68	-69.94	-13.00	56.94	Horizontal
2	5181.27	43.14	-47.88	31.94	-68.06	-13.00	55.06	Horizontal
3	6908.36	42.71	-46.72	35.40	-63.87	-13.00	50.87	Horizontal
4	8635.45	40.27	-44.02	37.09	-61.92	-13.00	48.92	Horizontal
5	10362.54	39.00	-41.21	38.83	-58.64	-13.00	45.64	Horizontal
6	12089.63	37.32	-39.61	39.15	-58.40	-13.00	45.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.70	-48.34	28.68	-70.22	-13.00	57.22	Vertical
2	5181.27	43.64	-47.88	31.94	-67.56	-13.00	54.56	Vertical
3	6908.36	42.61	-46.72	35.40	-63.97	-13.00	50.97	Vertical
4	8635.45	40.86	-44.02	37.09	-61.33	-13.00	48.33	Vertical
5	10362.54	37.88	-41.21	38.83	-59.76	-13.00	46.76	Vertical
6	12089.63	37.84	-39.61	39.15	-57.88	-13.00	44.88	Vertical

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 instructions. The Company reserves the right to withdraw or amend any document issued to a Client and this document is not a final contract and is subject 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
 Rev.: 01
 Page: 44 of 45

Test Band = LTE UL CA 12A-66A_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	44.18	-48.29	28.71	-70.66	-13.00	57.66	Horizontal
2	5256.27	44.29	-47.83	32.12	-66.68	-13.00	53.68	Horizontal
3	7008.36	42.96	-46.53	35.62	-63.21	-13.00	50.21	Horizontal
4	8760.45	40.84	-44.04	37.27	-61.20	-13.00	48.20	Horizontal
5	10512.54	37.91	-40.73	38.96	-59.12	-13.00	46.12	Horizontal
6	12262.63	36.86	-39.76	39.04	-59.12	-13.00	46.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	43.91	-48.29	28.71	-70.93	-13.00	57.93	Vertical
2	5256.27	44.24	-47.83	32.12	-66.73	-13.00	53.73	Vertical
3	7008.36	43.21	-46.53	35.62	-62.96	-13.00	49.96	Vertical
4	8760.45	41.14	-44.04	37.27	-60.90	-13.00	47.90	Vertical
5	10512.54	38.40	-40.73	38.96	-58.63	-13.00	45.63	Vertical
6	12262.63	37.54	-39.76	39.04	-58.44	-13.00	45.44	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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 instructions. The Company reserves the right to withdraw or amend its services and this document at any time and without prior notice to a third party. 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2308000314RG01
Rev.: 01
Page: 45 of 45

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.70	-0.003816	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.70	-0.000989	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	1.20	0.001696	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.90	-0.001272	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.70	-0.002403	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.50	-0.002120	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-1.80	-0.002544	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.70	-0.000989	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.80	0.001131	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.80	-0.005371	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-3.80	-0.005371	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.50	-0.002120	PASS

---End of Attachment---

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 instructions. The Company reserves the right to withdraw or amend this document or any part of it at any time and this document is not a contract, 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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilid Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com