

Report No.: SEWM2305000177RG01
Rev.: 01
Page: 1 of 56

Appendix B.7

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's instructions. It is the Company's sole responsibility to verify its content and the document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) Pilot 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

Effective (Isotropic) Radiated Power Output Data

Test Result

Ant13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.85	16.50	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.95	16.60	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.81	16.46	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.74	15.39	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.45	16.10	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.47	16.12	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.42	16.07	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.35	15.00	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.13	15.78	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.11	15.76	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.06	15.71	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.03	14.68	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.14	15.79	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.15	15.80	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.00	15.65	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.82	14.47	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.57	15.22	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.60	15.25	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.51	15.16	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.39	14.04	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.29	14.94	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.15	14.80	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.13	14.78	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.11	13.76	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. It is the Company's sole responsibility to verify its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) 83071443, 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) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 3 of 56

Band12	1.4MHz	64QAM	23017	1RB#0	21.98	14.63	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.92	14.57	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.87	14.52	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.72	13.37	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.54	14.19	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.56	14.21	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.45	14.10	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.32	12.97	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.13	13.78	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.19	13.84	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.13	13.78	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	19.93	12.58	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.83	16.48	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.82	16.47	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.70	16.35	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.73	15.38	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.49	16.14	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.42	16.07	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.39	16.04	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.36	15.01	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.12	15.77	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.14	15.79	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.03	15.68	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.04	14.69	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.07	15.72	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.05	15.70	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.94	15.59	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.77	14.42	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.65	15.30	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.47	15.12	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.56	15.21	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.37	14.02	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. It is the Company's sole responsibility to verify its content and the document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 4 of 56

Band12	3MHz	16QAM	23165	1RB#0	22.33	14.98	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.35	15.00	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.17	14.82	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.04	13.69	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.90	14.55	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.84	14.49	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.81	14.46	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.67	13.32	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.52	14.17	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.51	14.16	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.42	14.07	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.34	12.99	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.21	13.86	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.19	13.84	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.11	13.76	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.03	12.68	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.99	16.64	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.84	16.49	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.68	16.33	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.70	15.35	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.66	16.31	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.54	16.19	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.35	16.00	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.35	15.00	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.33	15.98	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.19	15.84	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.14	15.79	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.14	14.79	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.13	15.78	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.96	15.61	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.85	15.50	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.75	14.40	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. It is the Company's sole responsibility to verify its content and the document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) 83071443, 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) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 5 of 56

Band12	5MHz	16QAM	23095	1RB#0	22.77	15.42	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.66	15.31	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.53	15.18	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.37	14.02	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.47	15.12	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.37	15.02	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.15	14.80	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.15	13.80	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.01	14.66	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.85	14.50	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.66	14.31	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.70	13.35	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.68	14.33	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.56	14.21	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.39	14.04	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.36	13.01	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.41	14.06	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.18	13.83	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.09	13.74	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.11	12.76	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.91	16.56	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.65	16.30	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.45	16.10	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.64	15.29	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.70	16.35	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.49	16.14	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.20	15.85	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.33	14.98	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.52	16.17	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.37	16.02	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.07	15.72	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.17	14.82	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>, 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. It is the Company's sole responsibility to verify its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. 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) 83071443, 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) Pilot 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.: SEWM2305000177RG01
Rev.: 01
Page: 6 of 56

Band12	10MHz	16QAM	23060	1RB#0	23.07	15.72	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.86	15.51	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.59	15.24	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.64	14.29	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.85	15.50	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.63	15.28	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.35	15.00	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.29	13.94	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.74	15.39	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.51	15.16	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.25	14.90	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.13	13.78	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.96	14.61	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.70	14.35	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.45	14.10	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.62	13.27	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.76	14.41	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.58	14.23	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.28	13.93	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.31	12.96	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.60	14.25	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.35	14.00	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.09	13.74	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.11	12.76	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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 7 of 56

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	4.98	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.08	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.06	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.76	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.90	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.86	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.30	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.12	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.16	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's instructions. It affirms the Company's sole responsibility for its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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



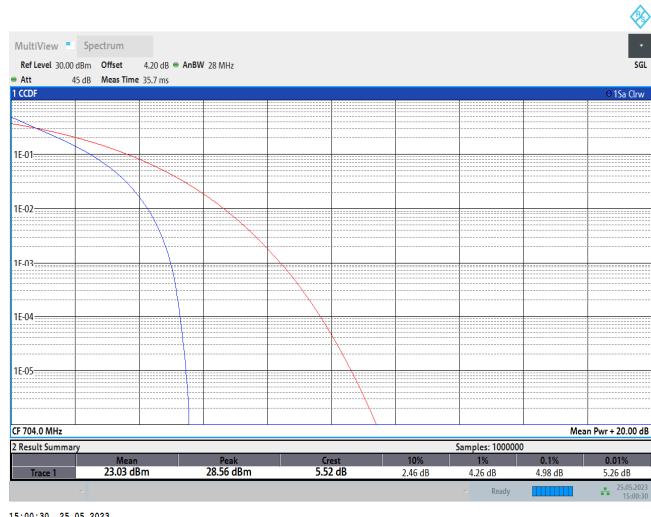
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

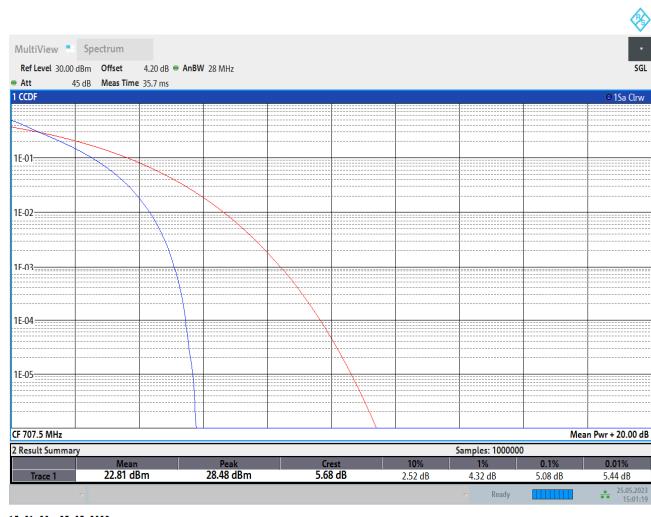
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 8 of 56

Test Graphs

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



Band12-10MHz-QPSK-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. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transaction document. 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

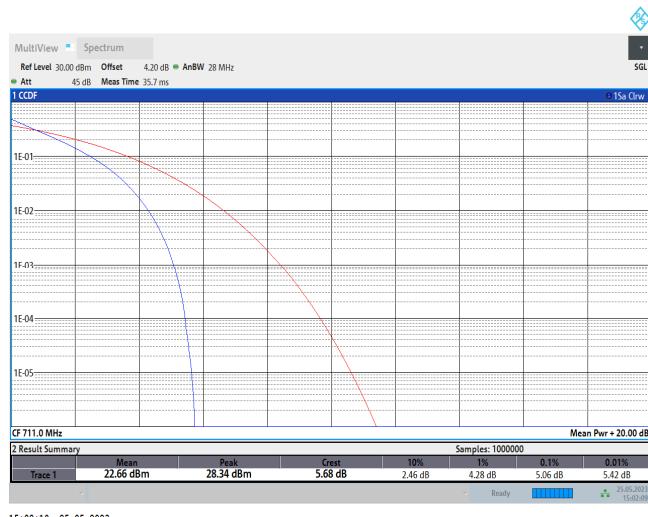


South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

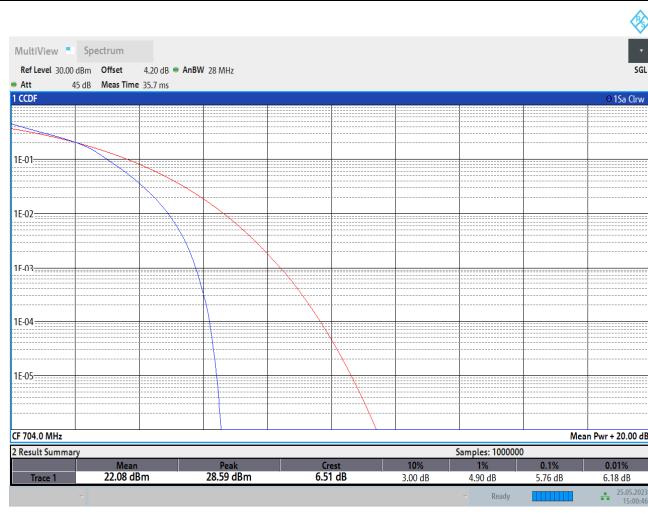
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 9 of 56

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's instructions. It also reflects the Company's sole responsibility for its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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

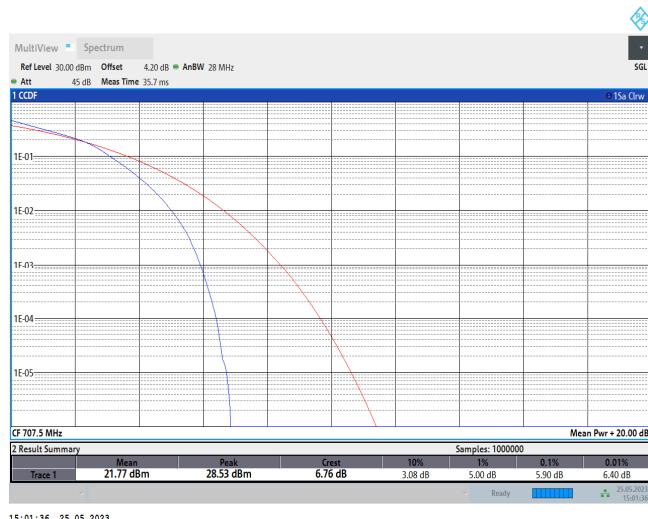


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

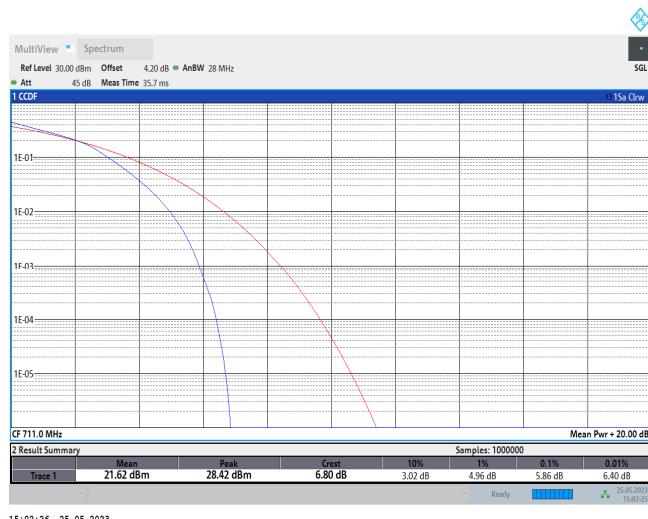
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 10 of 56

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's instructions. It also reflects the Company's sole responsibility for its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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

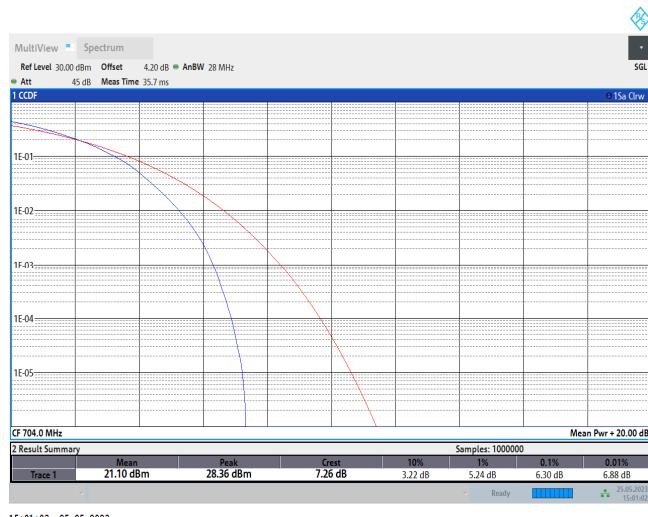


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

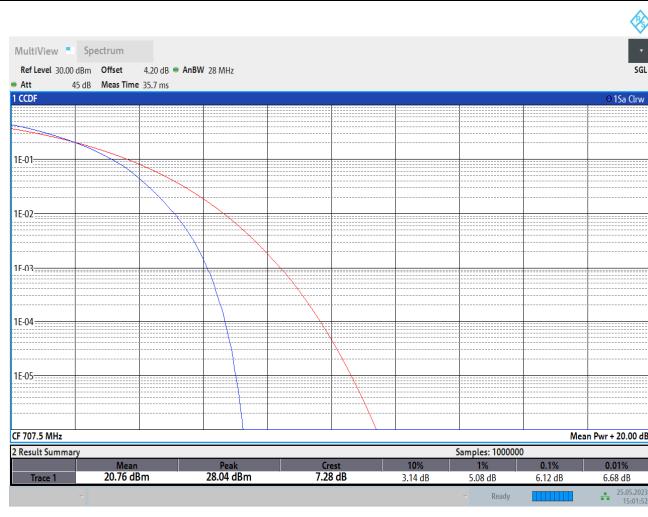
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 11 of 56

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's instructions. It also reflects the Company's sole responsibility for its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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

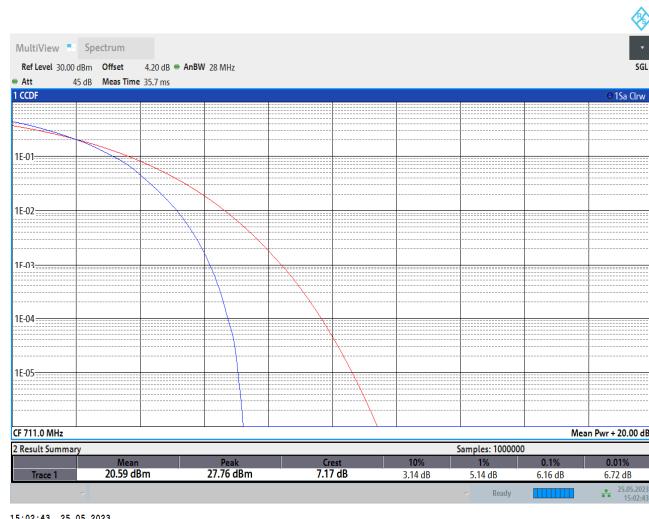


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 12 of 56

Band12-10MHz-64QAM-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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 13 of 56

Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS
Band12	10MHz	64QAM	23095	50RB#0	PASS	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Docment.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. It affirms the Company's sole responsibility for its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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.

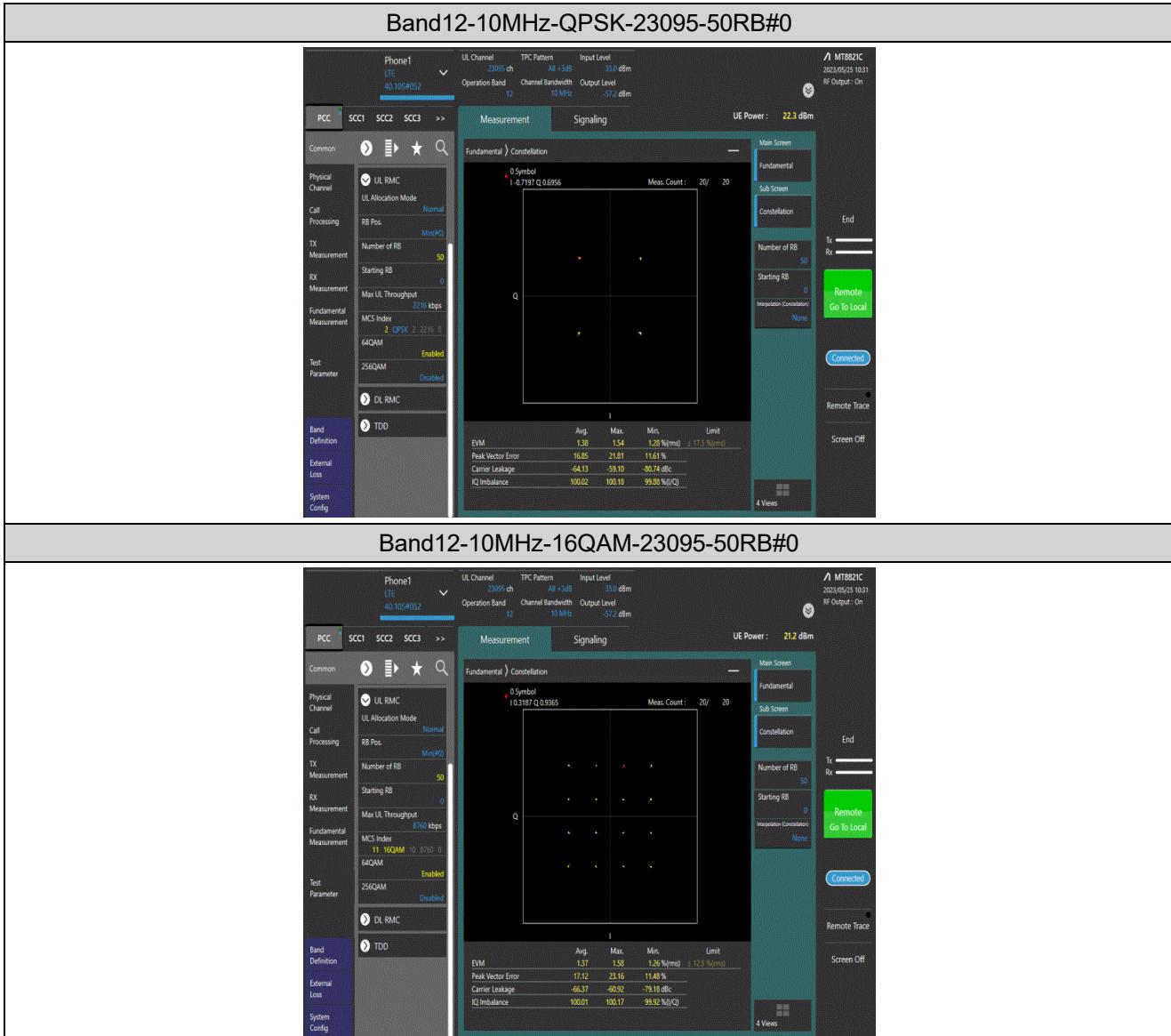
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 14 of 56

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. It accepts the Company's sole responsibility for its content and no document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. 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 full or 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.

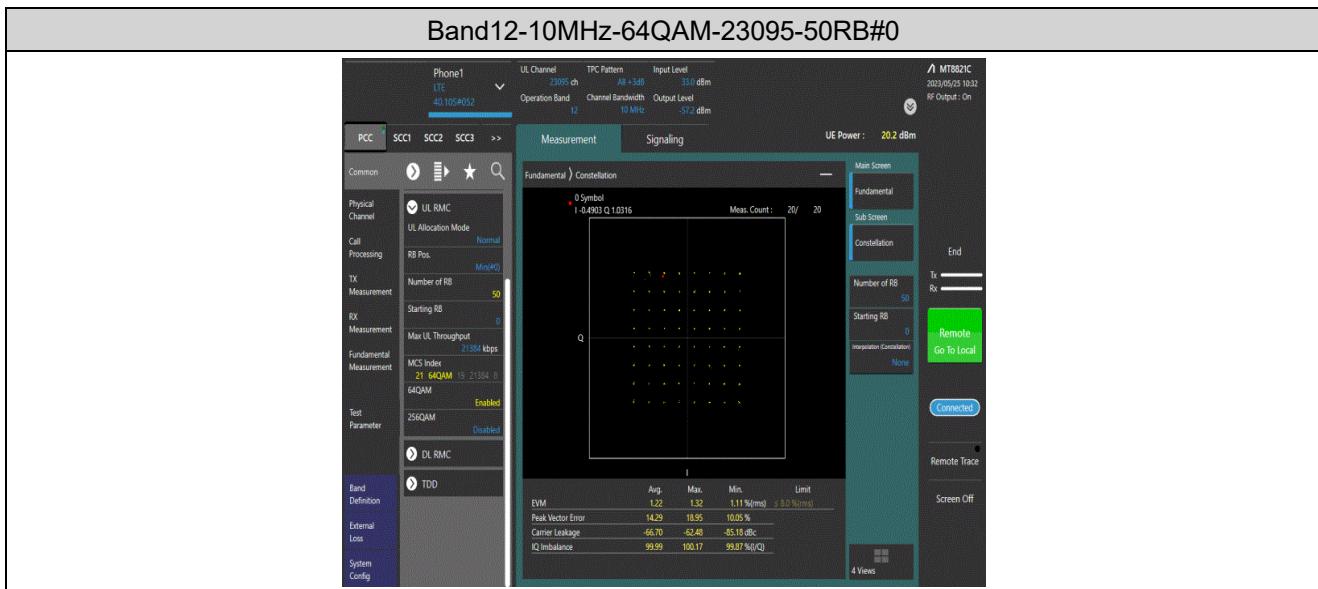
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 15 of 56



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. It is the Company's sole responsibility to verify its content and no document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 16 of 56

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.085	1.28	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.085	1.27	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.089	1.29	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.094	1.28	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.096	1.28	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.084	1.26	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.099	1.29	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.093	1.28	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.095	1.28	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.682	2.90	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.701	2.92	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.685	2.87	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.689	2.89	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.685	2.91	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.684	2.86	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.681	2.94	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.686	2.90	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.686	2.90	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	4.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.462	4.85	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.480	4.80	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.472	4.88	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.462	4.83	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.468	4.80	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.484	4.82	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.479	4.84	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.484	4.86	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.966	9.54	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. It is the Company's sole responsibility to verify its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) 83071443, 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) Pilot 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.: SEWM2305000177RG01

Rev.: 01

Page: 17 of 56

Band12	10MHz	QPSK	23095	50RB#0	8.934	9.48	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.928	9.56	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.928	9.52	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.920	9.44	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.912	9.46	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.942	9.60	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.932	9.54	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.924	9.52	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. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com

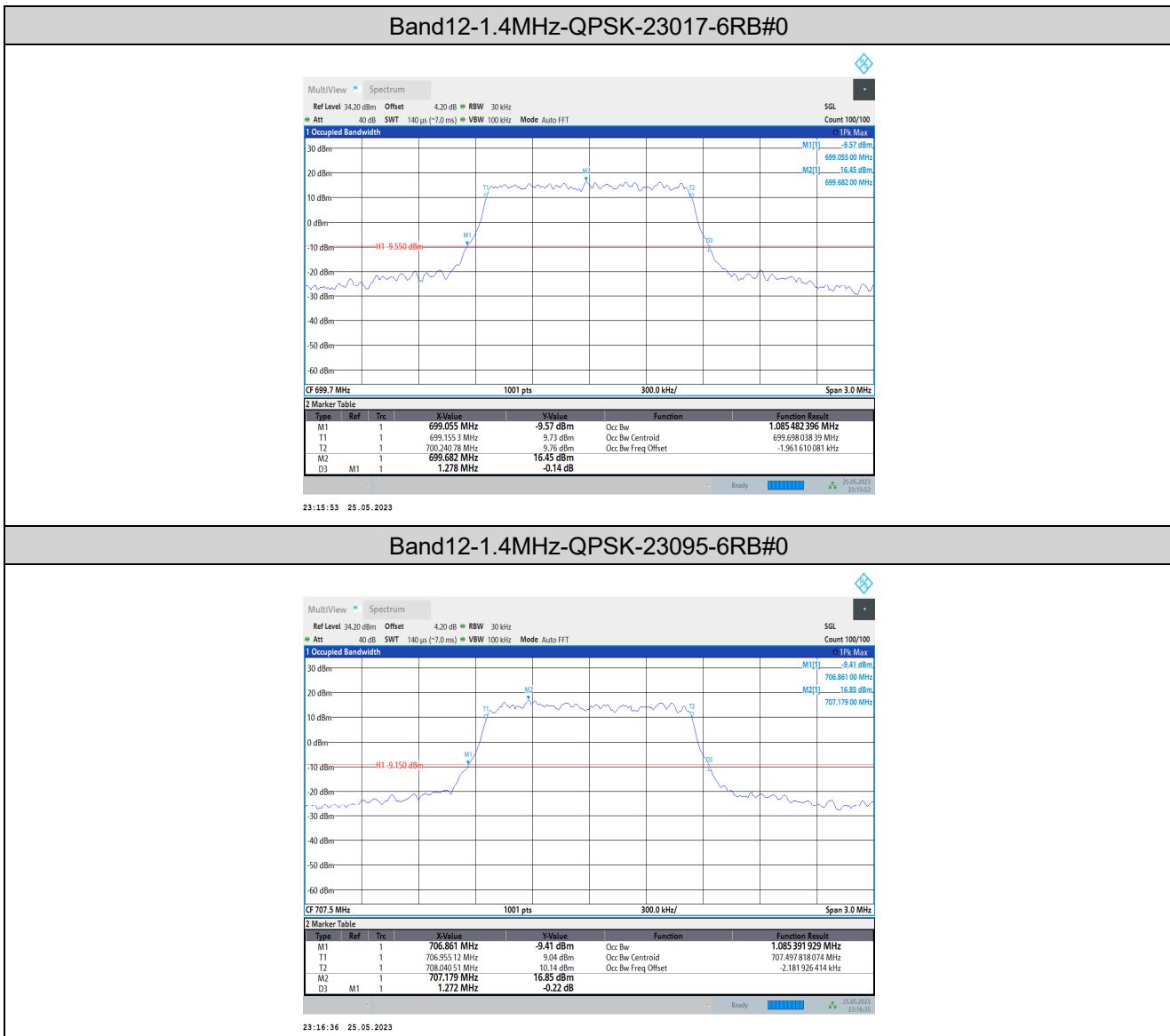


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 18 of 56

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. It accepts no responsibility for any statement made in this document. This document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) Pilot 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

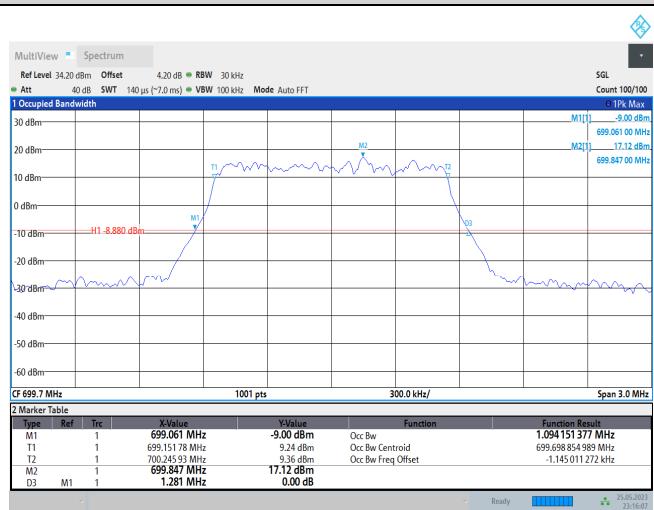
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 19 of 56

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



Band12-1.4MHz-16QAM-23017-6RB#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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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 No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

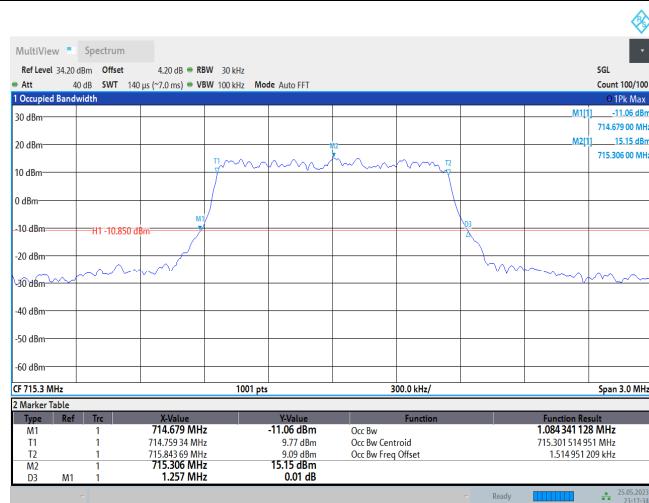
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 20 of 56

Band12-1.4MHz-16QAM-23095-6RB#0



23:16:51 25.05.2023

Band12-1.4MHz-16QAM-23173-6RB#0



23:17:34 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

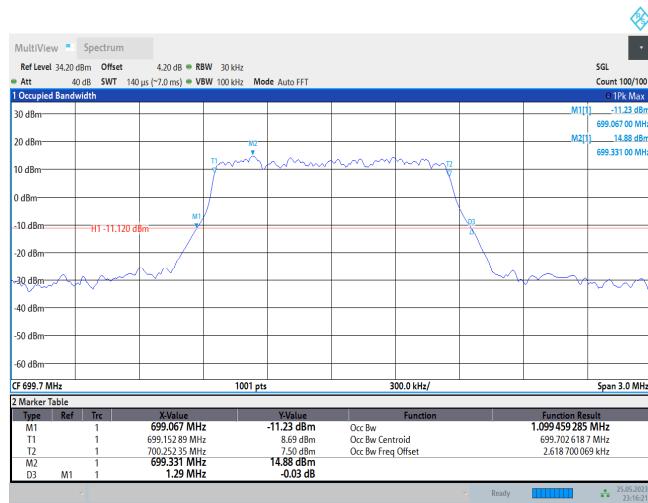


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

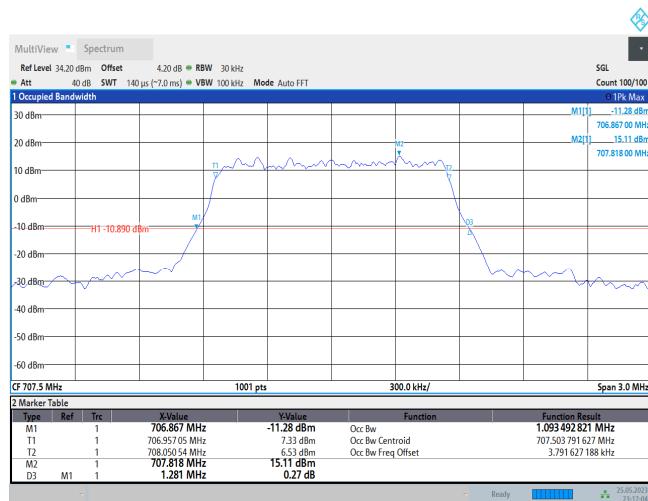
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 21 of 56

Band12-1.4MHz-64QAM-23017-6RB#0



23:16:22 25.05.2023

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



23:17:05 25.05.2023

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-Docment.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. It affirms the Company's sole responsibility for its own work and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) Pilot Free Trade Zone 215000

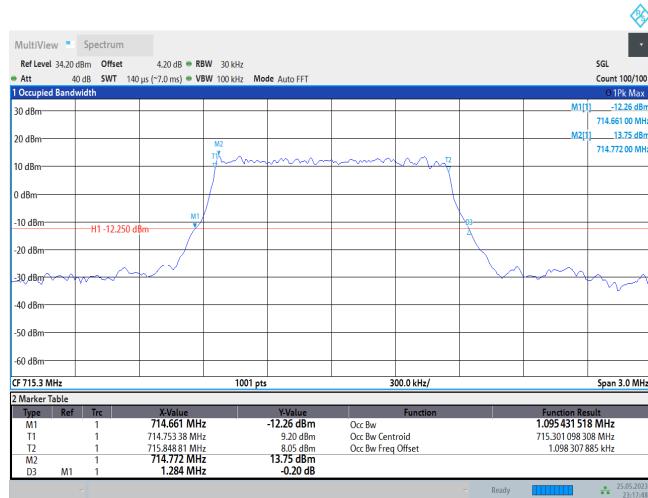
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

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

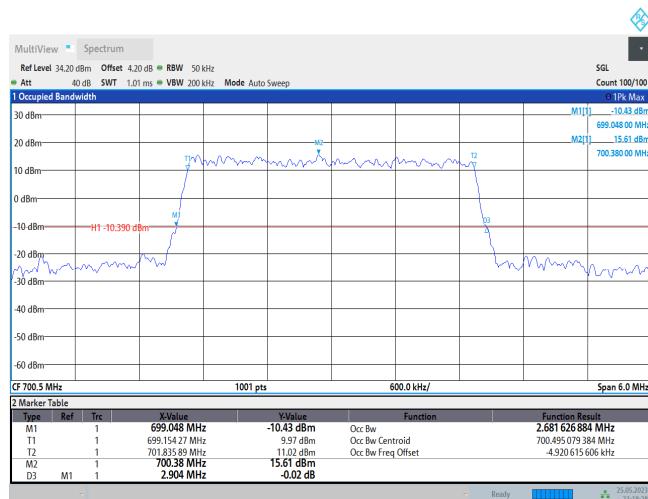
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 22 of 56

Band12-1.4MHz-64QAM-23173-6RB#0



23:17:49 25.05.2023

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



23:18:29 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) Pilot Free Trade Zone 215000

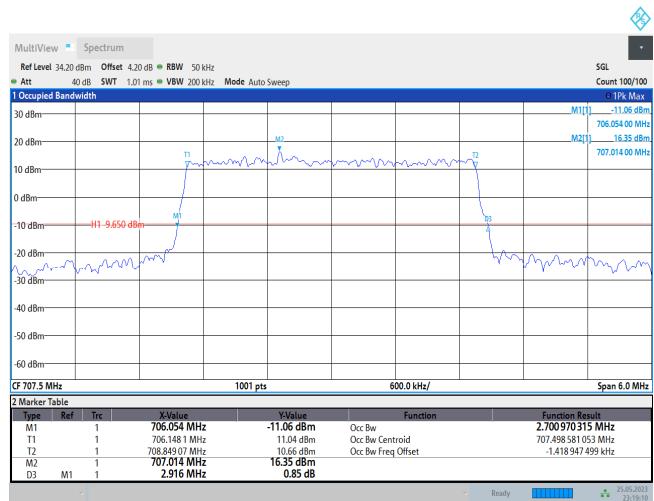
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

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

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 23 of 56

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



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's instructions. It is the Company's sole responsibility to verify its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com



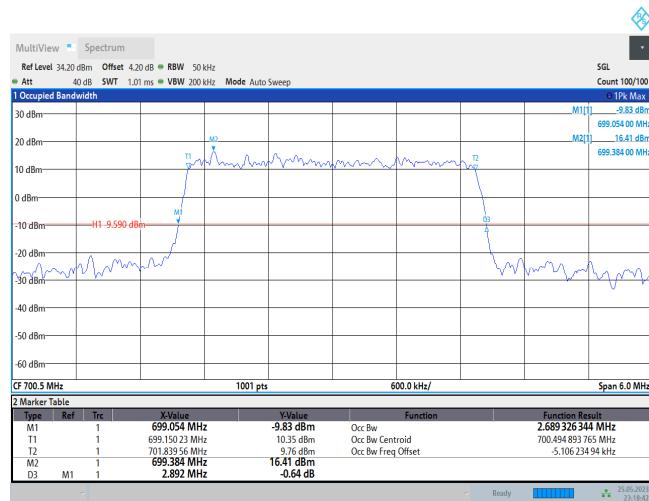
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

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

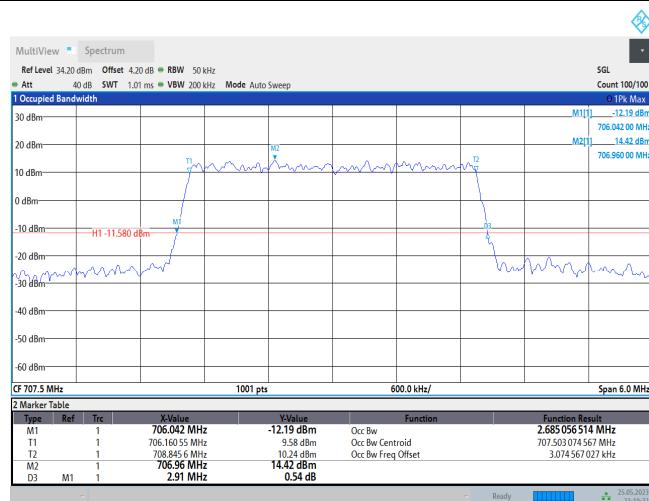
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 24 of 56

Band12-3MHz-16QAM-23025-15RB#0



23:18:43 25.05.2023

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



23:19:23 25.05.2023

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. It is the Company's sole responsibility to verify its content and the document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, 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) Pilot Free Trade Zone 215000

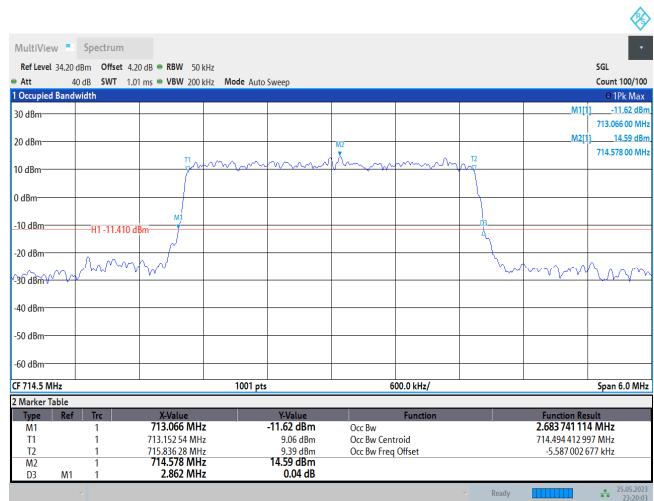
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

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

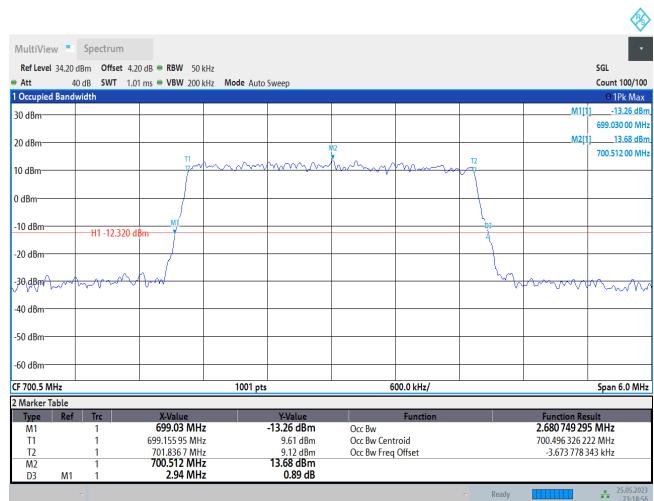
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 25 of 56

Band12-3MHz-16QAM-23165-15RB#0



23:20:04 25.05.2023

Band12-3MHz-64QAM-23025-15RB#0



23:18:56 25.05.2023



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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, 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) Pilot Free Trade Zone 215000

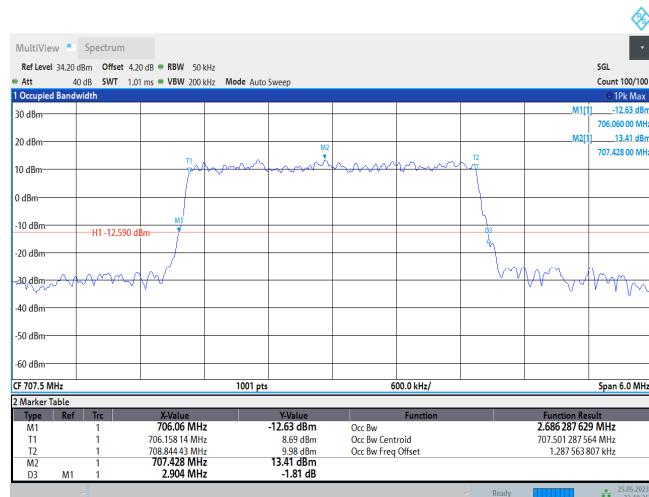
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

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

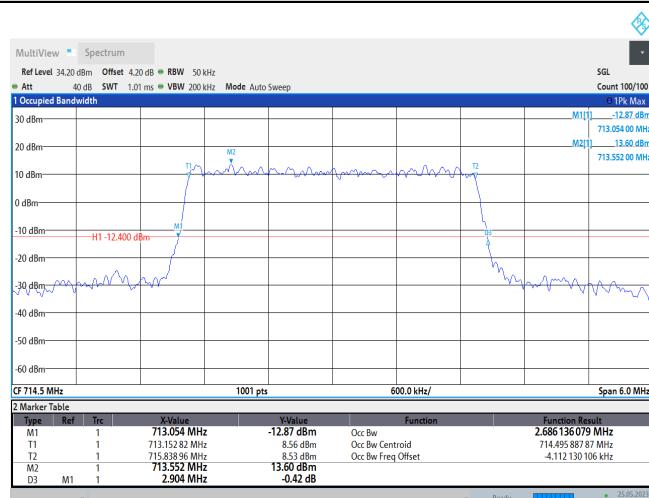
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 26 of 56

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



23:19:37 25.05.2023

Band12-3MHz-64QAM-23165-15RB#0



23:20:17 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, 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) Pilot Free Trade Zone 215000

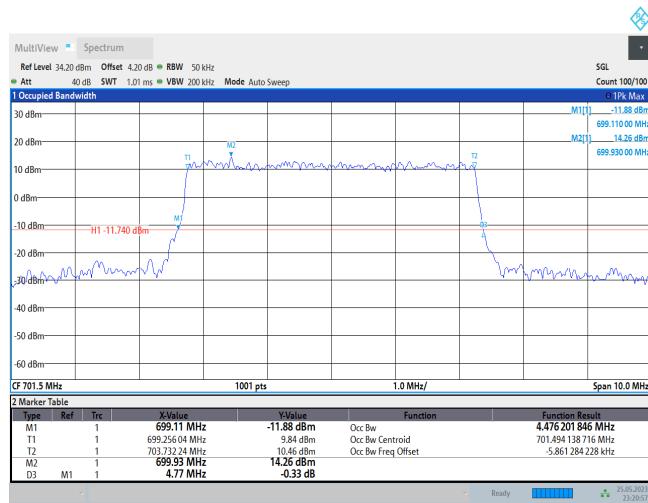
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

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

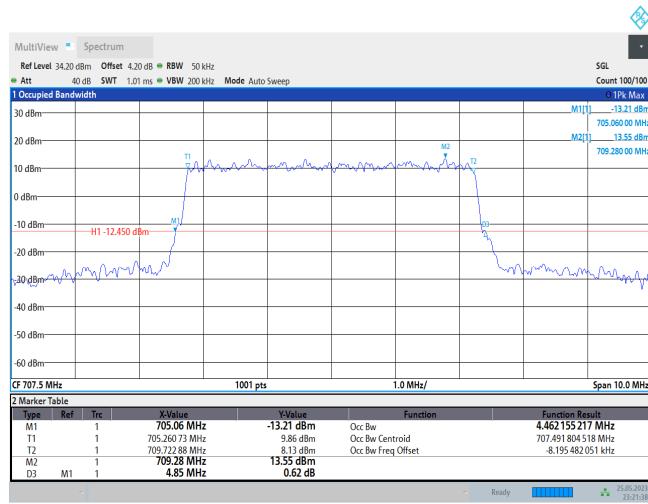
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 27 of 56

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



23:20:58 25.05.2023

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



23:21:39 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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 full or 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) 83071443, or email: CN_Doccheck@sgs.com



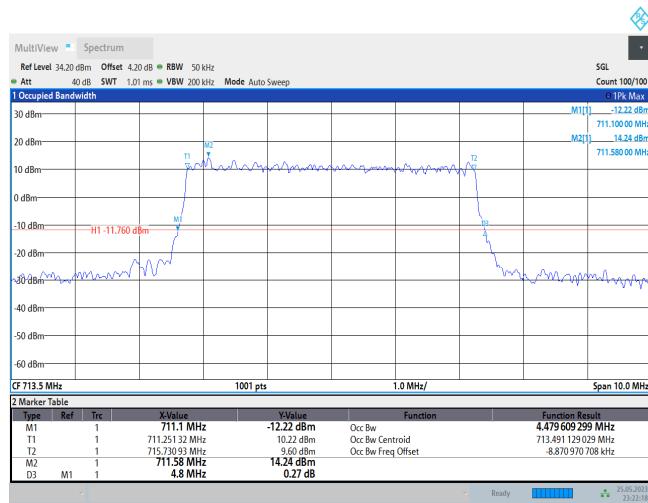
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
 Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

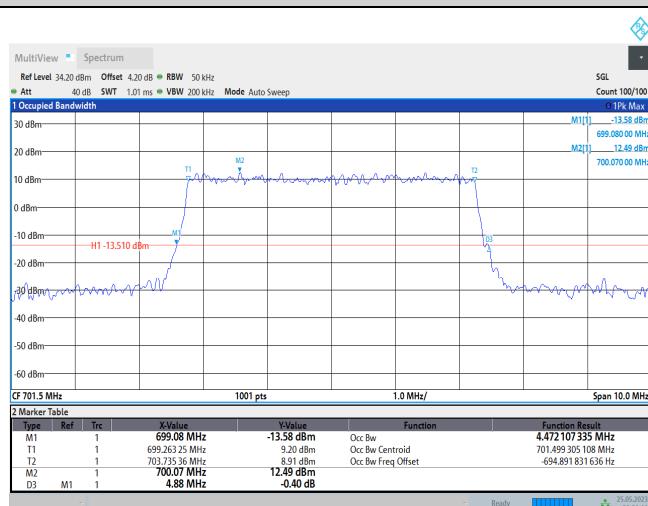
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 28 of 56

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



Band12-5MHz-16QAM-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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

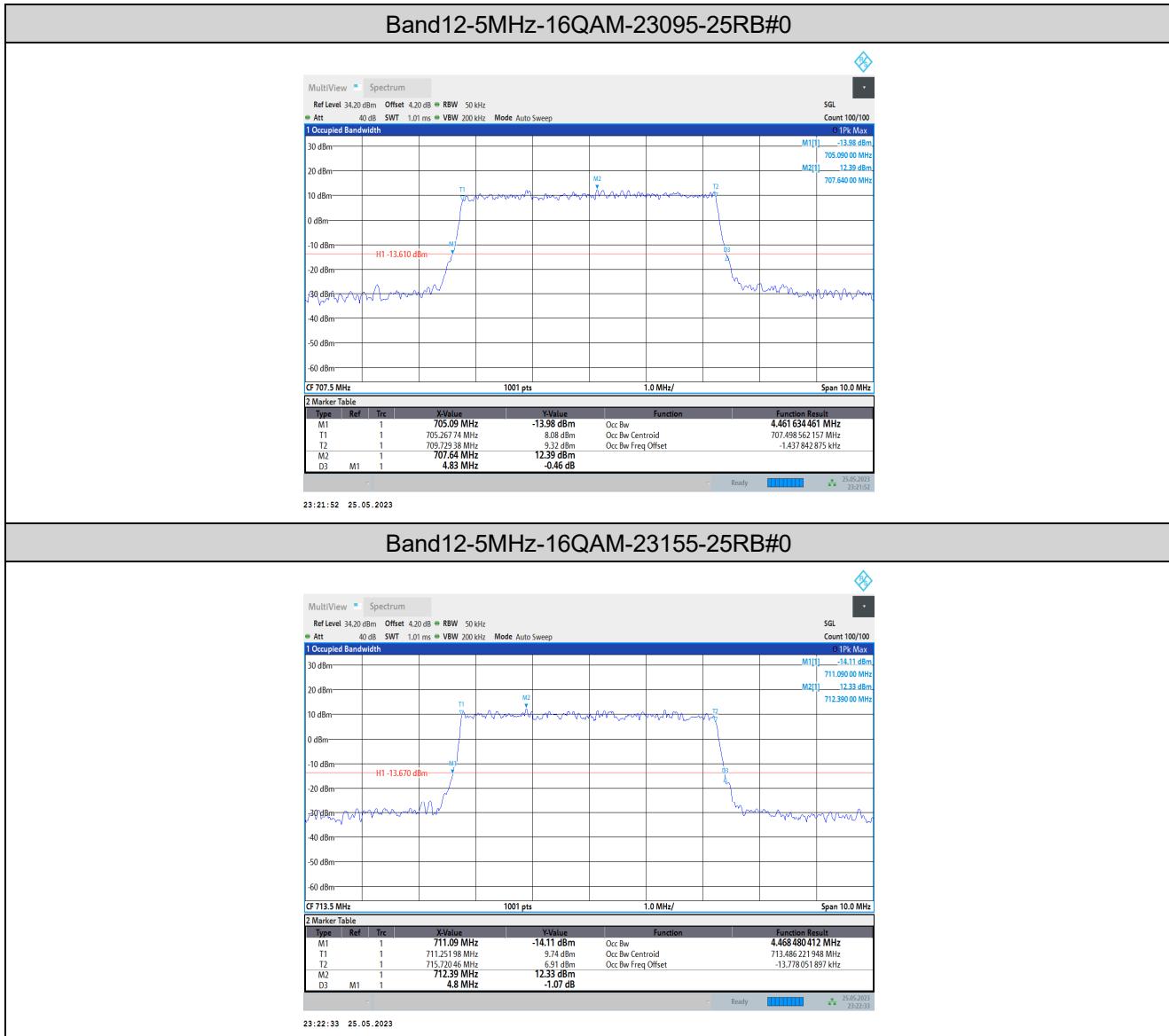


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

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.: SEWM2305000177RG01
 Rev.: 01
 Page: 29 of 56



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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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.

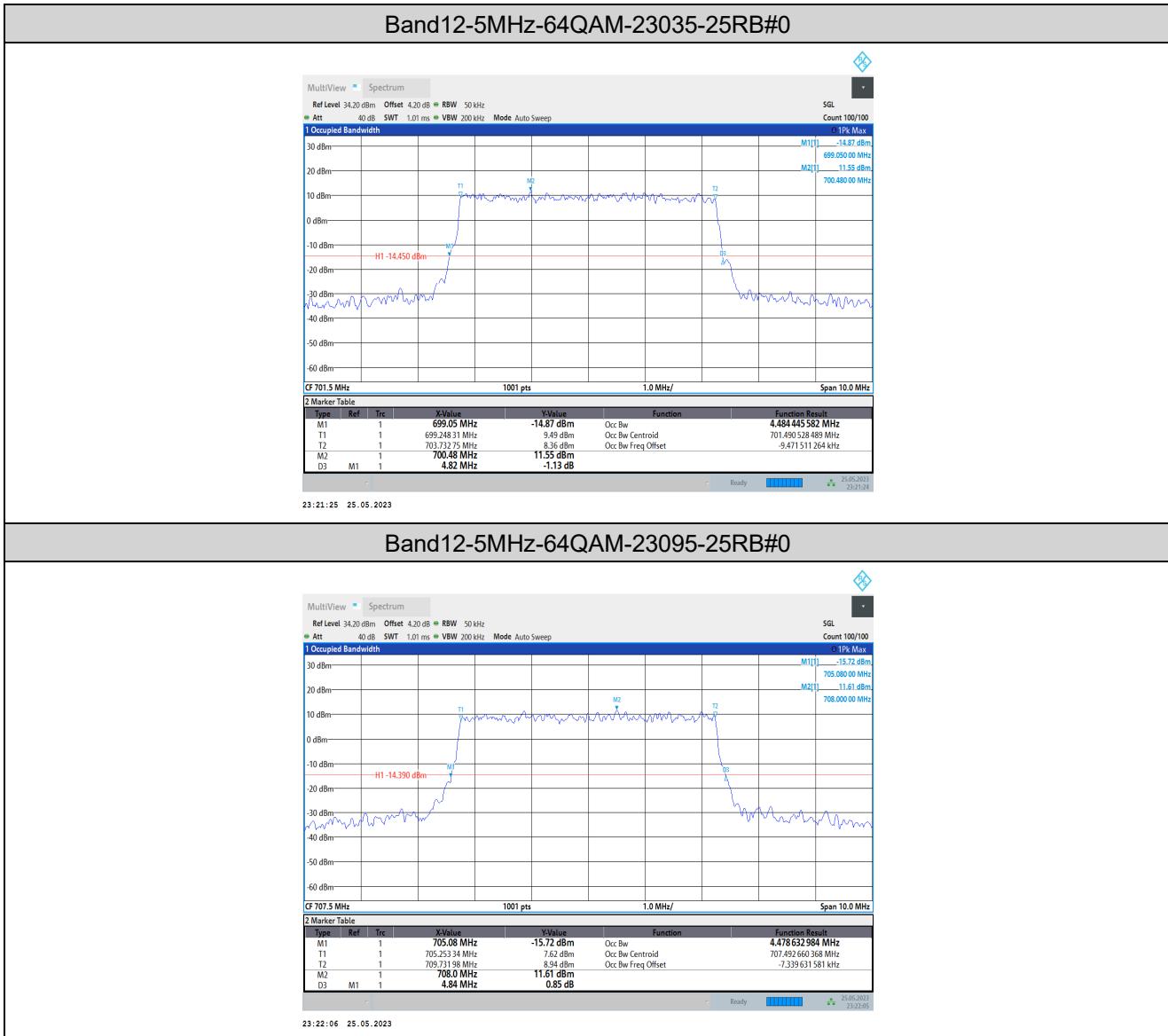
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 30 of 56



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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced in full, without prior written approval of the Company. Any unauthorized alteration, forged 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.

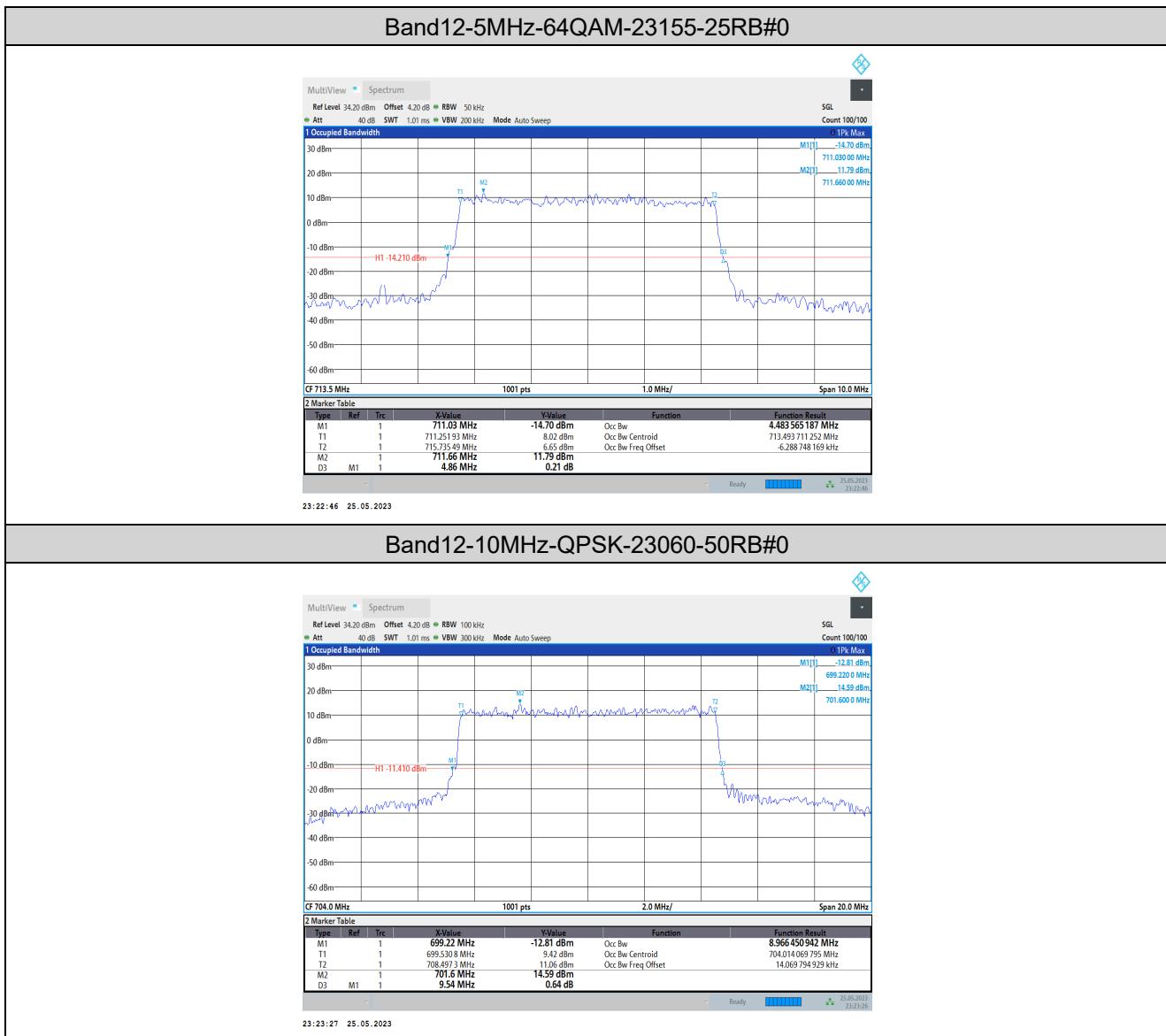
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN_Doccheck@sgs.com



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

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

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 31 of 56



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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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 full or part 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) 83071443, or email: CN_Doccheck@sgs.com



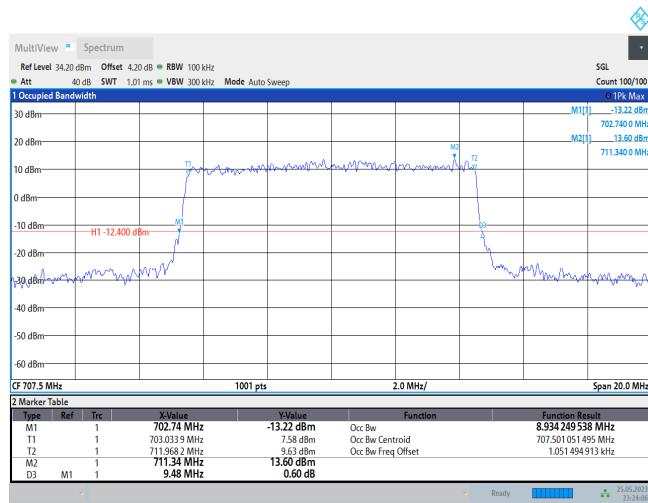
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

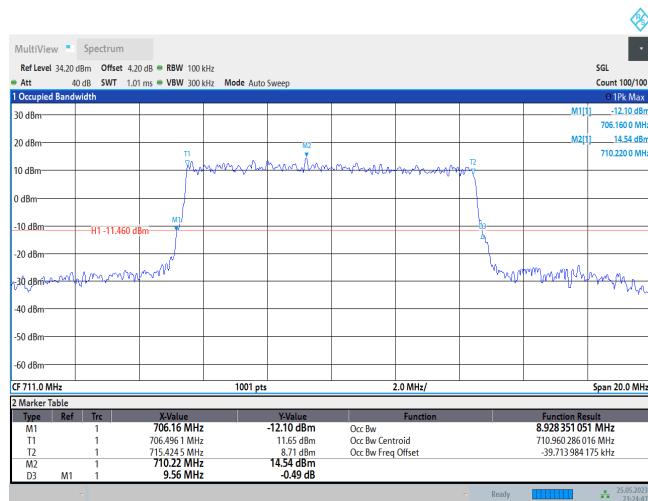
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 32 of 56

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



23:24:07 25.05.2023

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



23:24:48 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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 full or part 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) 83071443, or email: CN_Doccheck@sgs.com



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

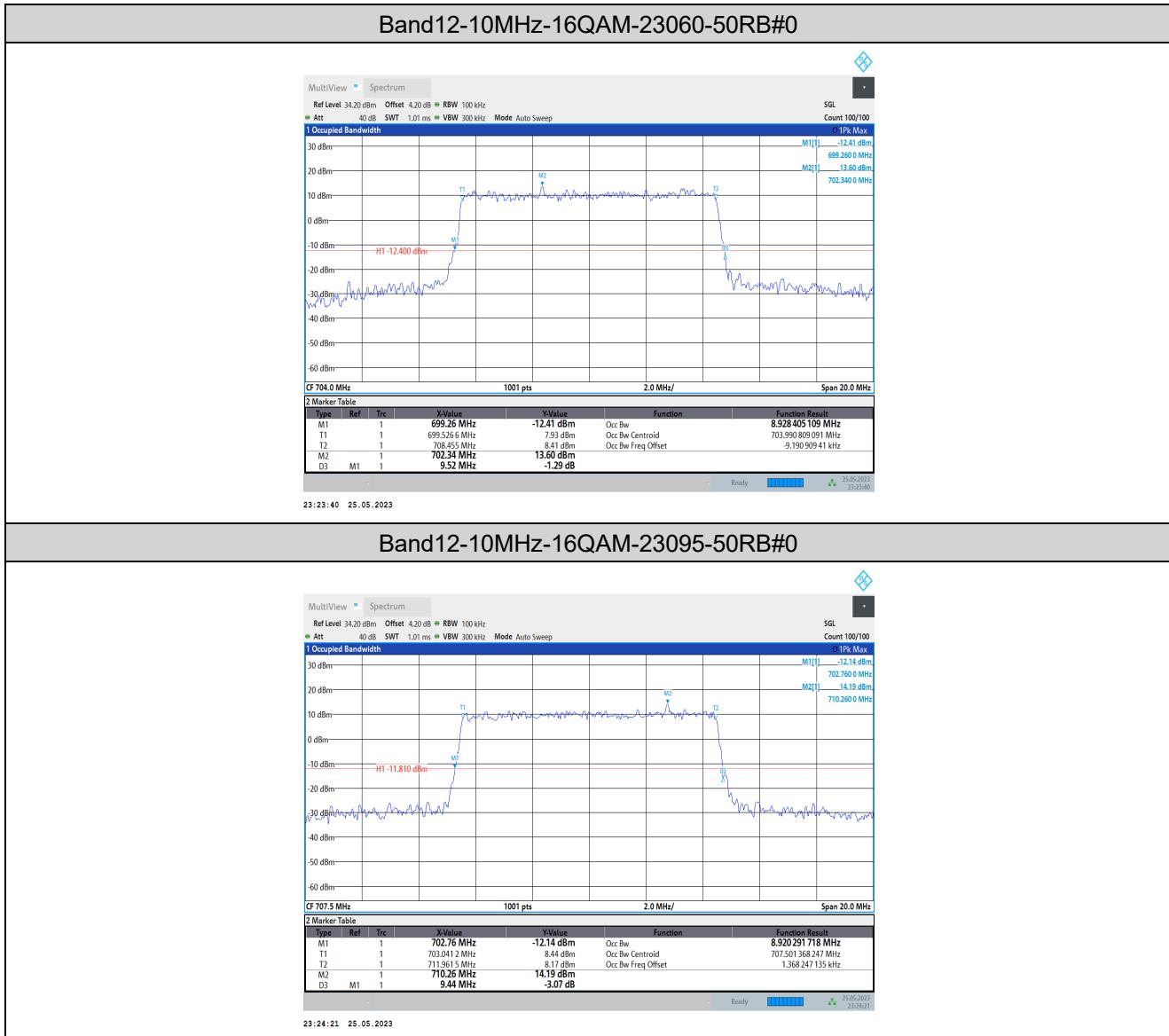
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

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.: SEWM2305000177RG01
 Rev.: 01
 Page: 33 of 56



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. It remains the Company's sole responsibility to verify its content and the document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com

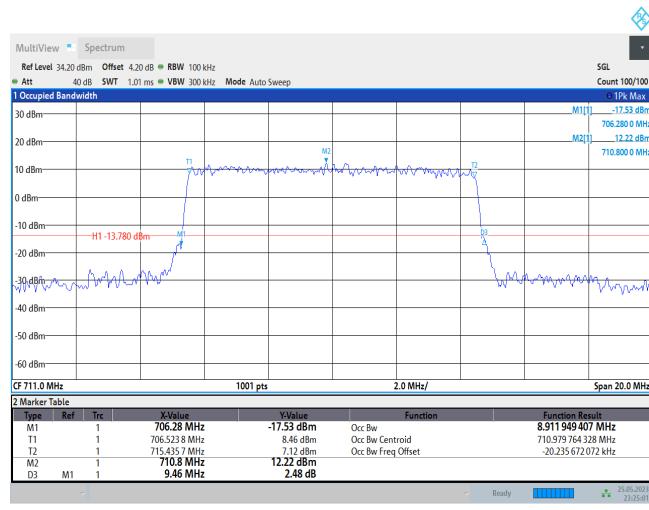


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

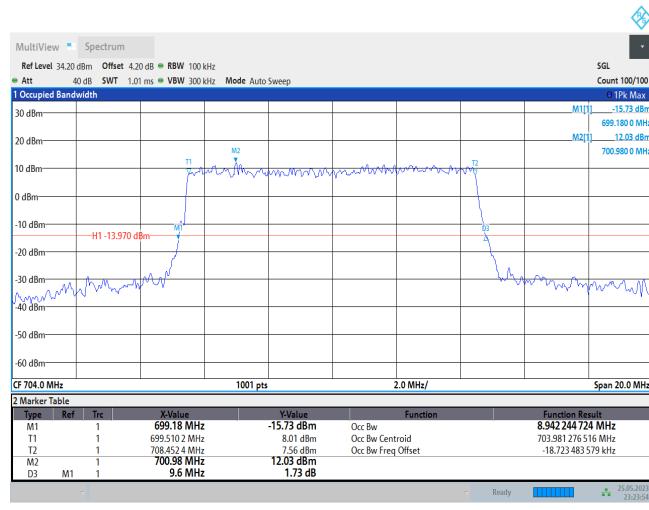
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 34 of 56

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



23:25:01 25.05.2023

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



23:23:54 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com



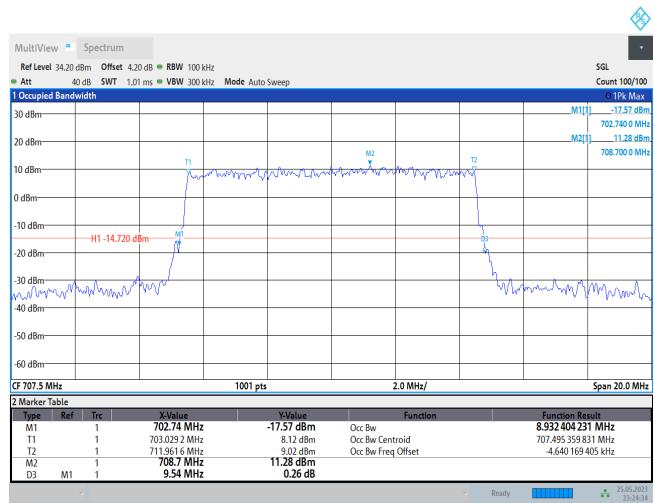
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
 Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

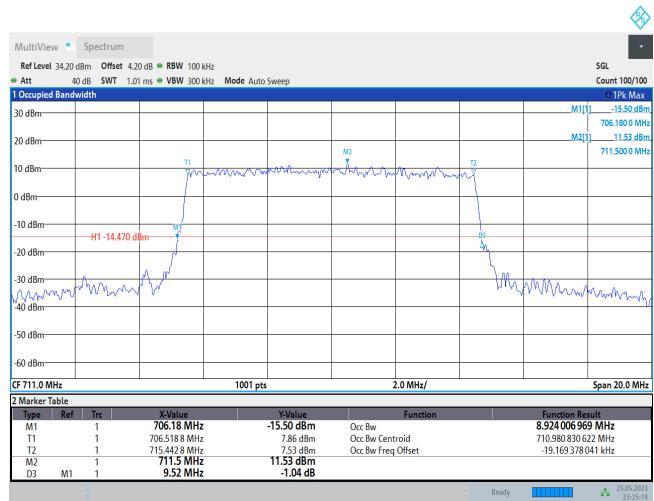
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 35 of 56

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



23:24:34 25.05.2023

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



23:25:15 25.05.2023

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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 full or 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



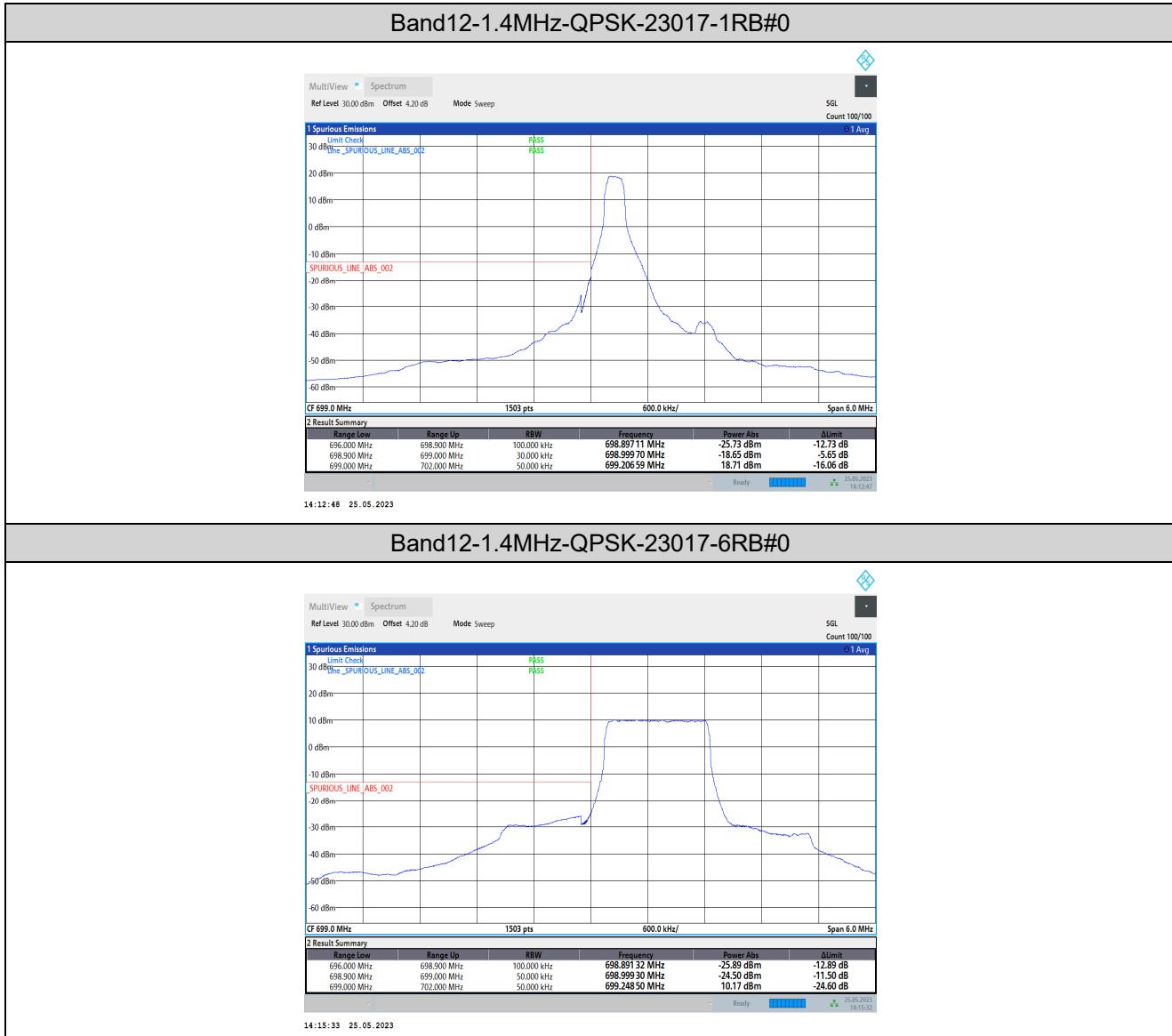
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 36 of 56

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 Client's instructions. It affirms that the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. 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) 83071443, or email: CN_Doccheck@sgs.com

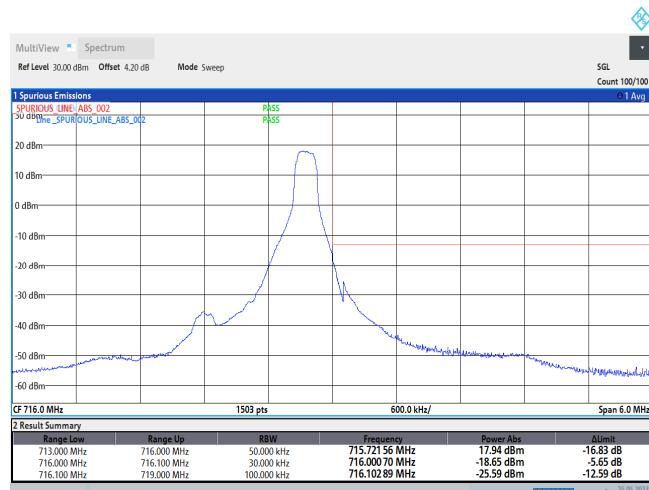


South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

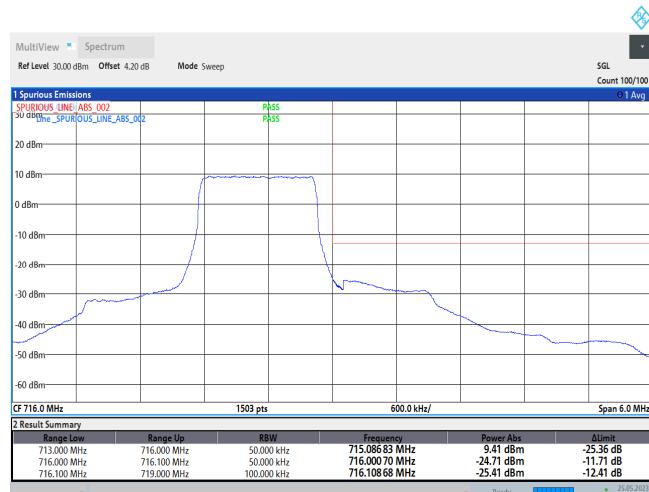
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 37 of 56

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



14:18:42 25.05.2023

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



14:21:26 25.05.2023

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-Docment.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. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transaction document. 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



No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

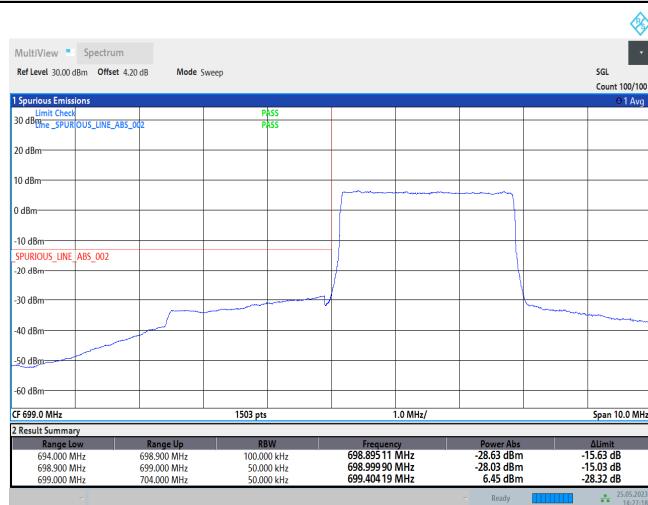
Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 38 of 56

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



14:24:36 25.05.2023

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



14:27:19 25.05.2023

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. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

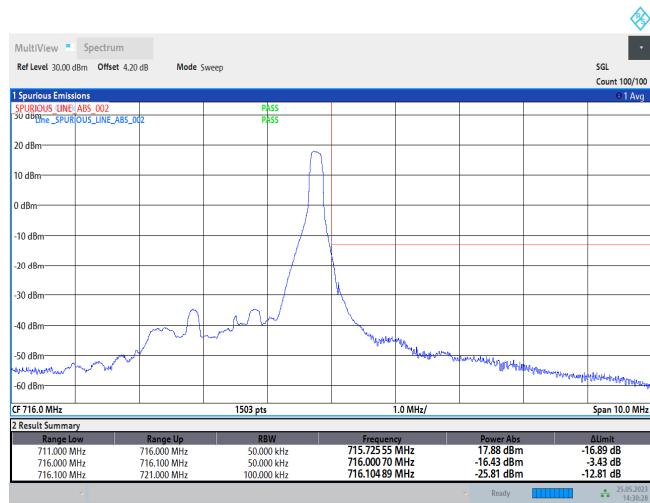


No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

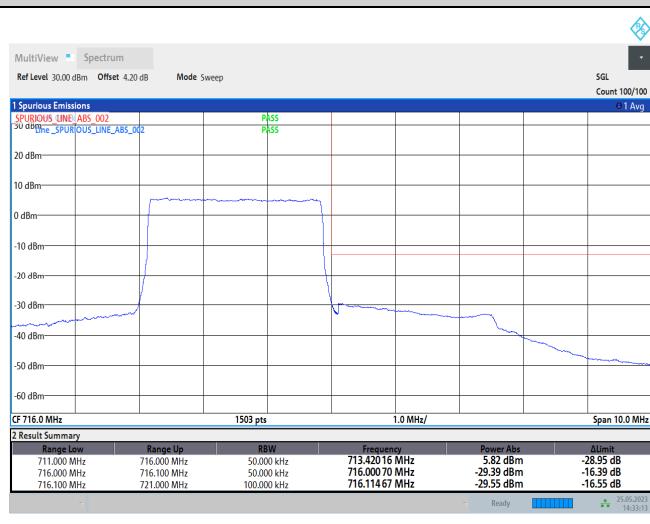
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 39 of 56

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's instructions. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

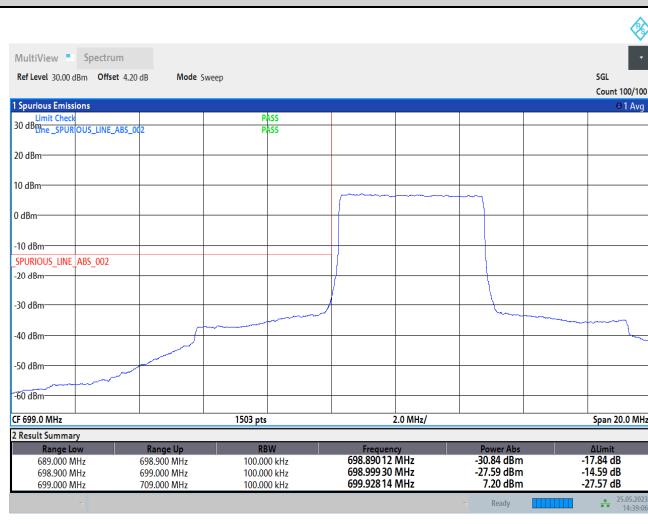
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 40 of 56

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. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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

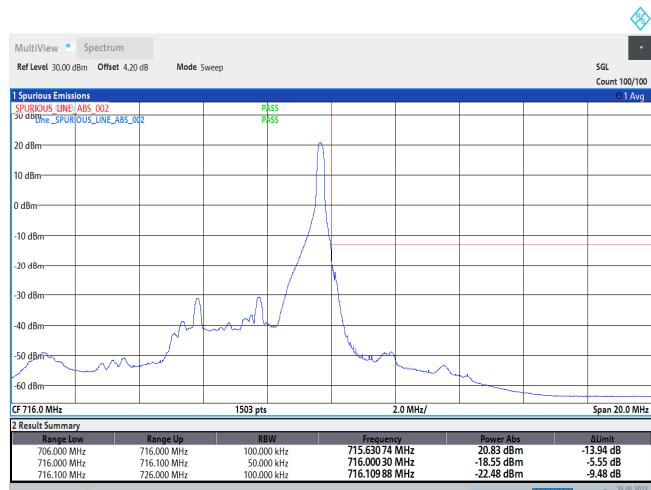


No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

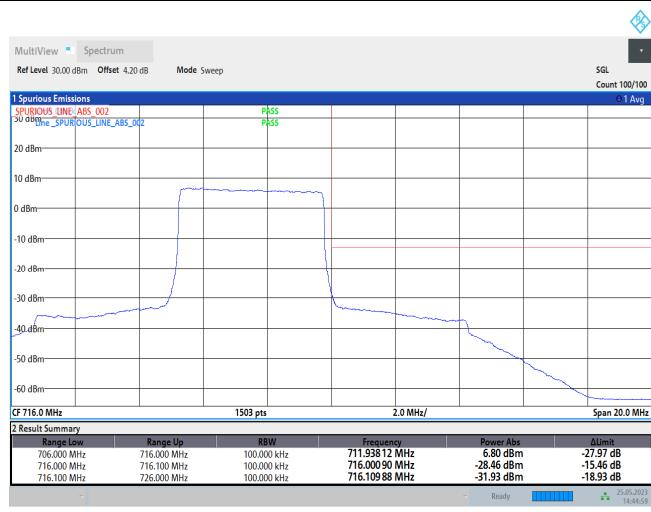
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 41 of 56

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-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. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transaction document. 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) 83071443, or email: CN_Doccheck@sgs.com

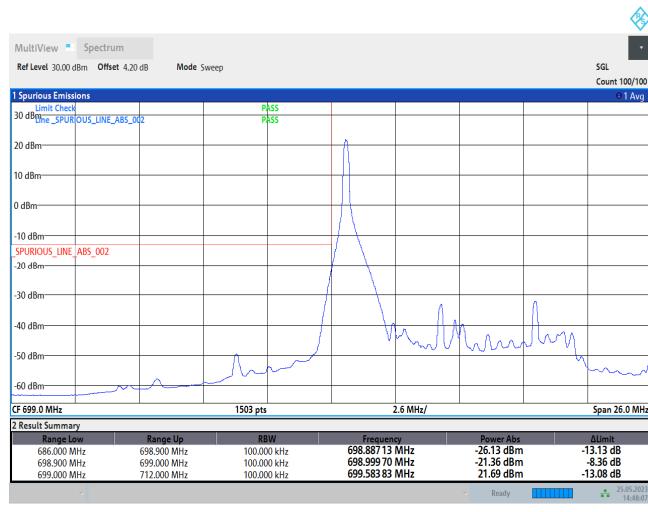


No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

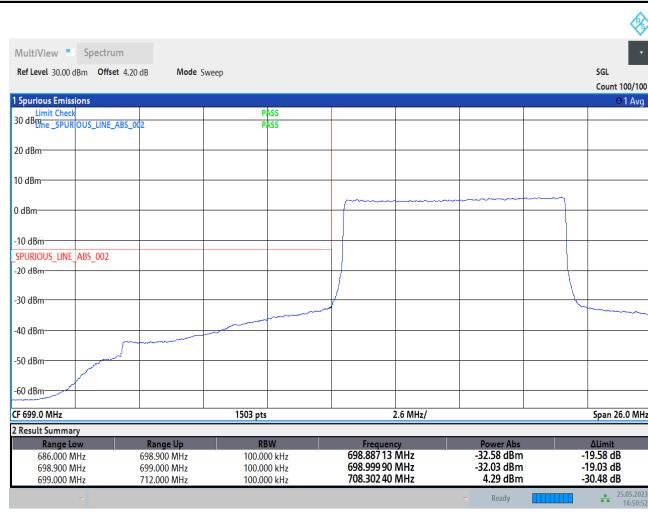
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 42 of 56

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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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



No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
 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

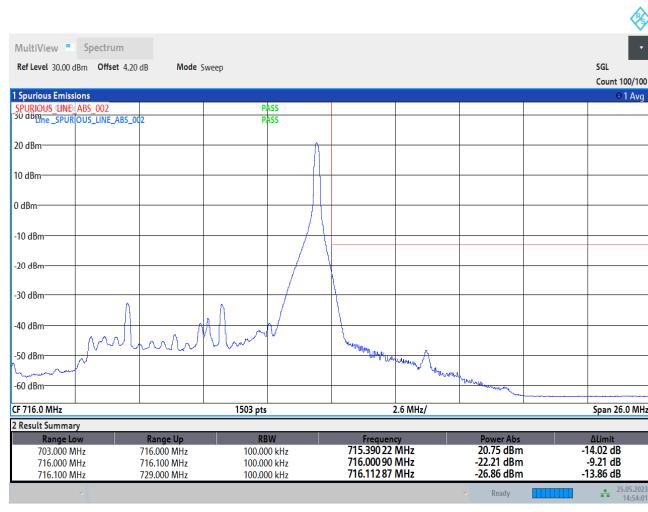
215000

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

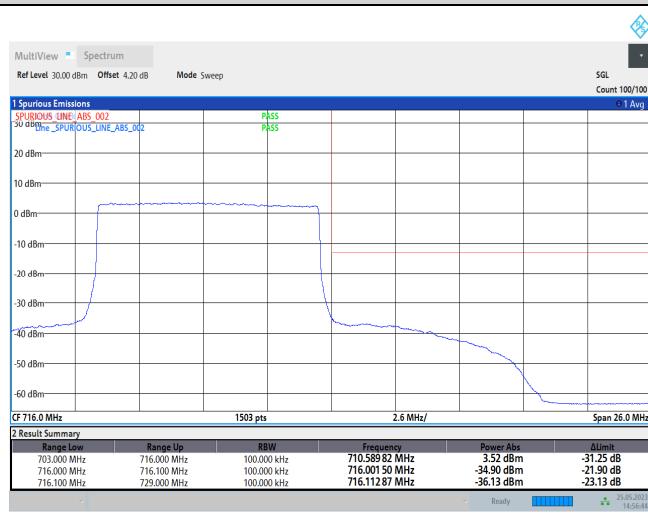
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 43 of 56

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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. It affirms the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) 83071443, or email: CN_Doccheck@sgs.com

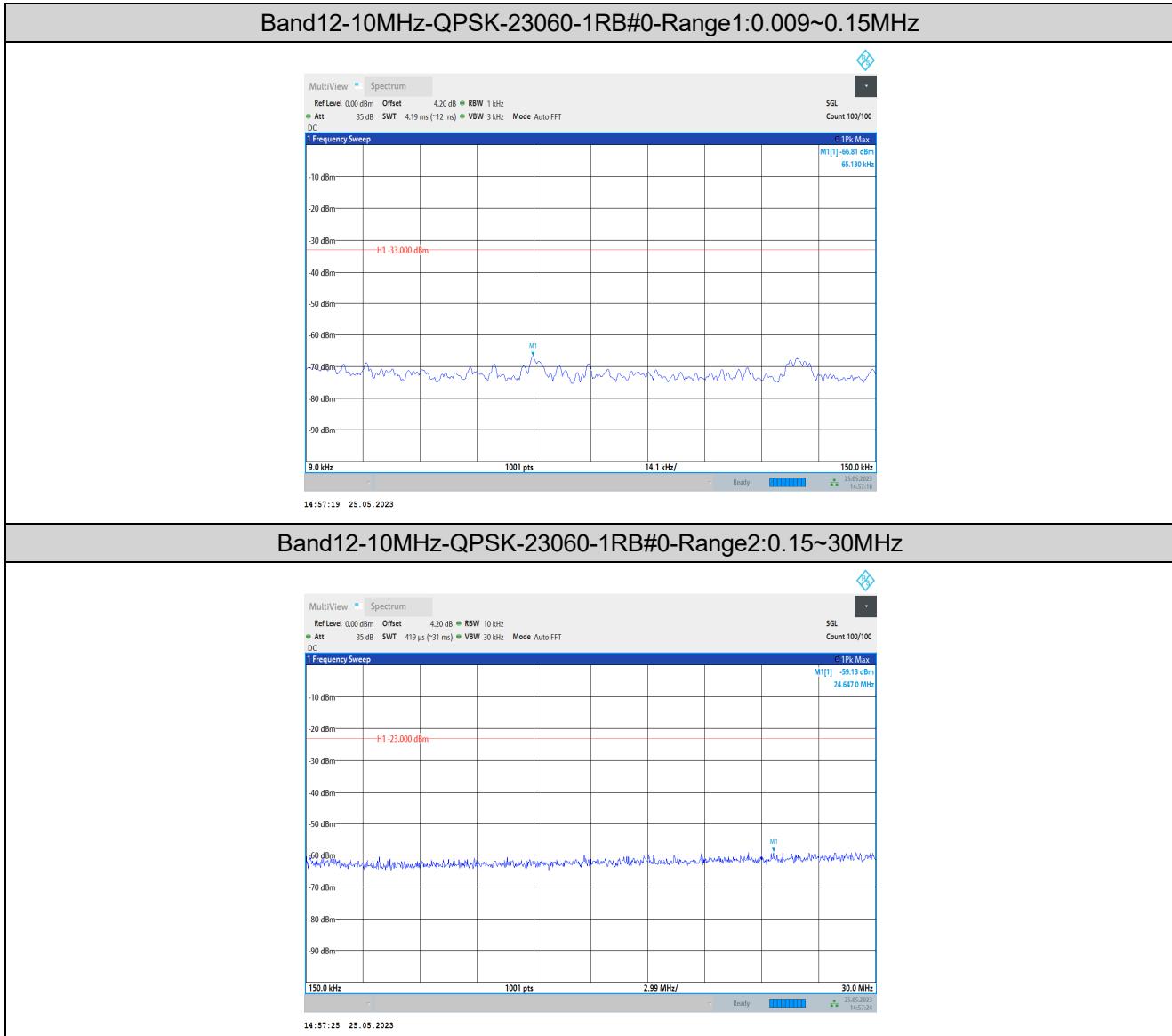
No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 44 of 56

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> 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. It also reflects the Company's sole responsibility for its content and that this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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.

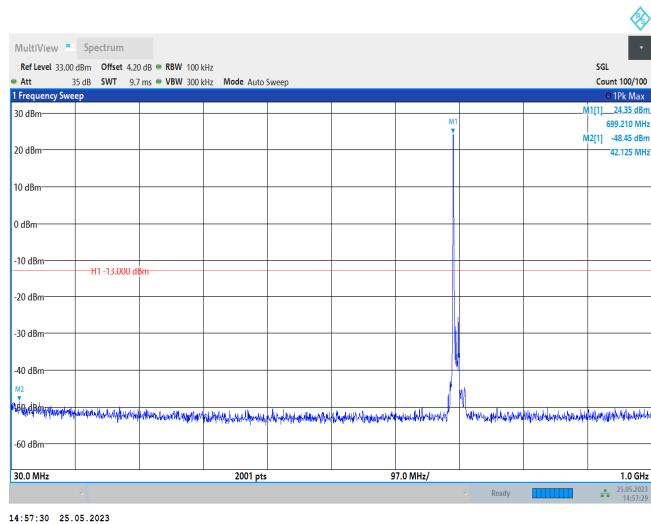
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
 Wireless Laboratory
 South No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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

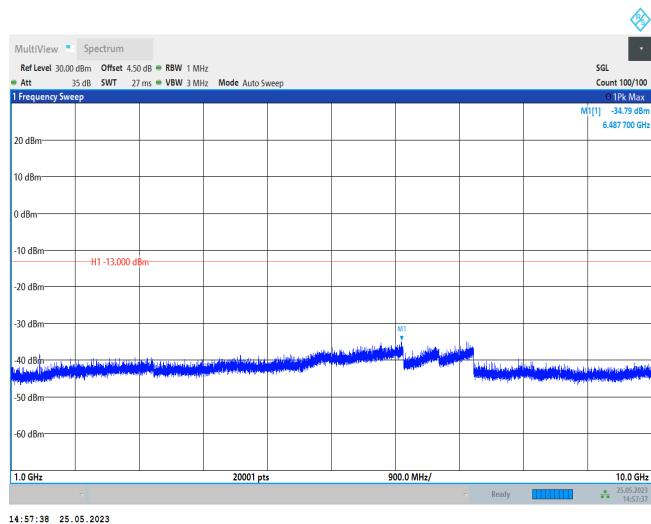
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 45 of 56

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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

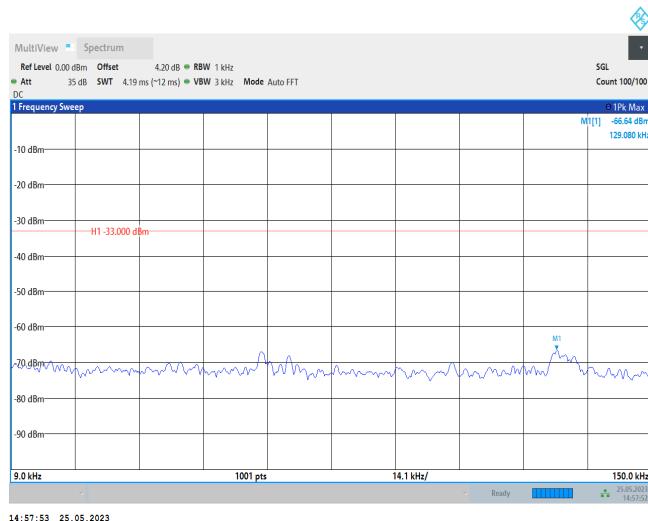


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

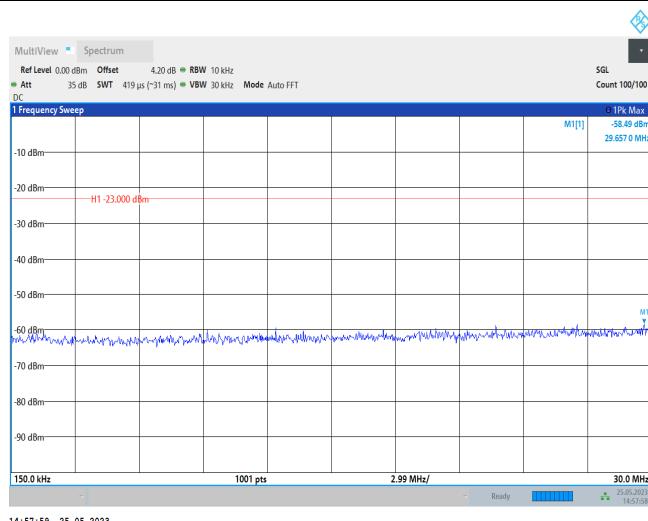
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 46 of 56

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. It is the Company's sole responsibility to verify its content and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

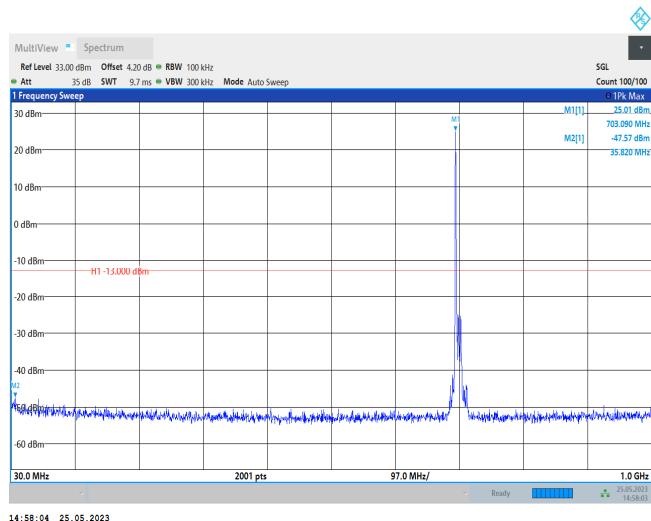


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

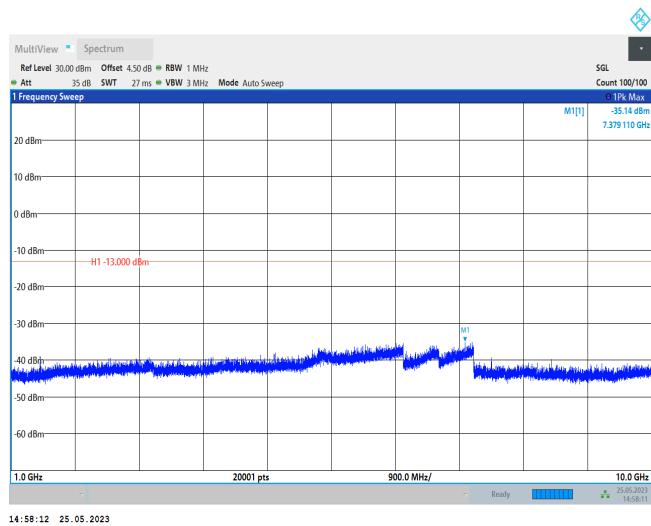
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 47 of 56

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-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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

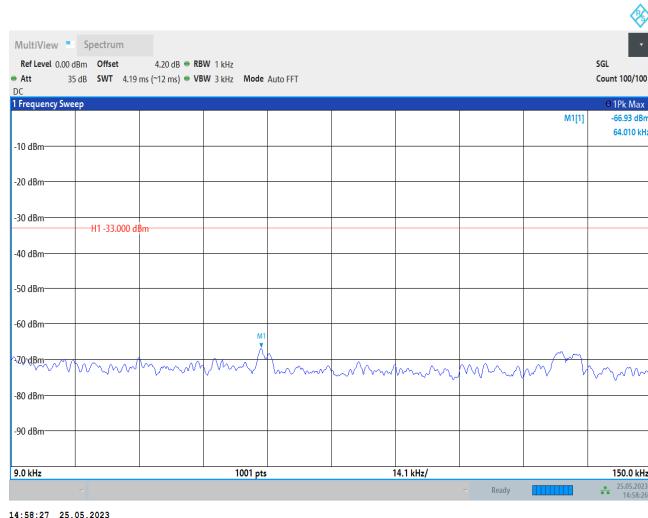


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

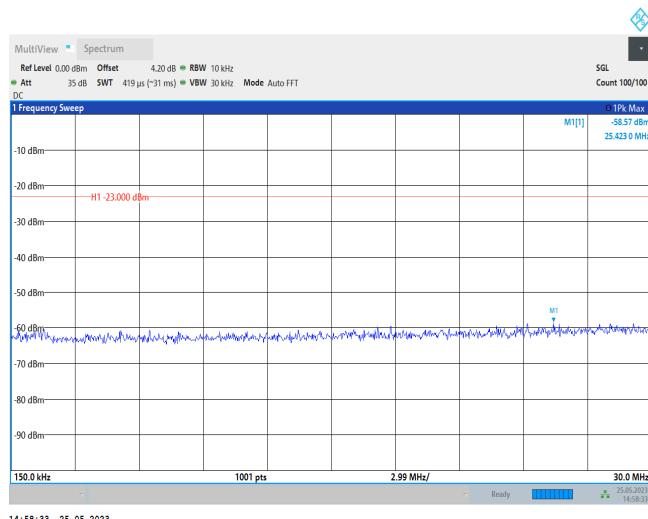
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 48 of 56

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. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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

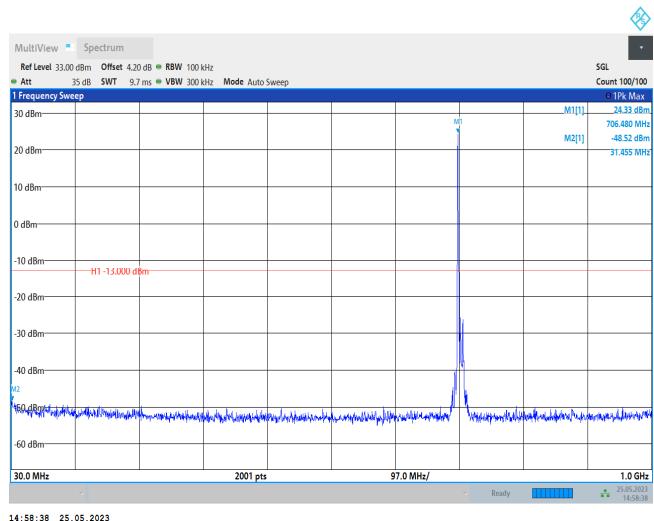


South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

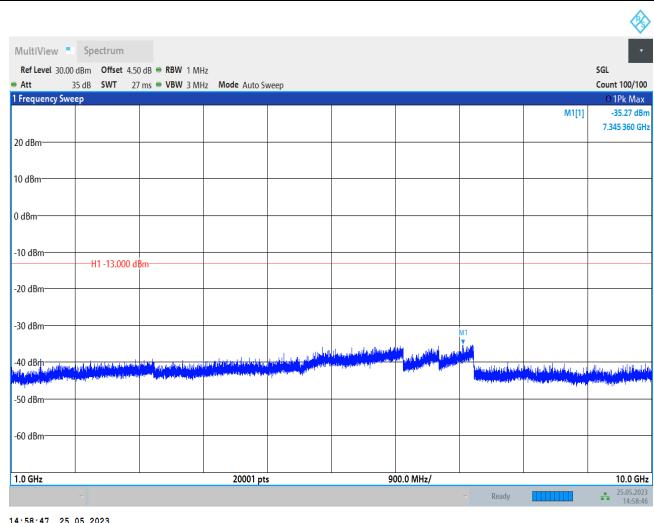
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2305000177RG01
 Rev.: 01
 Page: 49 of 56

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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) Pilot 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.: SEWM2305000177RG01
Rev.: 01
Page: 50 of 56

Field Strength of Spurious Radiation

Test Band = LTE Band 12_ TM1_ Ant13

Test Channel = Low Channel_10MHz

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1111	65.09	-48.73	25.40	-53.50	-13.00	40.50	147	32	Horizontal
2	2098.77	41.89	-47.88	27.10	-74.15	-13.00	61.15	269	267	Horizontal
3	2798.36	41.77	-46.69	28.92	-71.26	-13.00	58.26	238	315	Horizontal
4	3497.95	42.04	-46.05	29.40	-69.87	-13.00	56.87	196	47	Horizontal
5	4197.54	41.31	-45.12	30.92	-68.15	-13.00	55.15	205	80	Horizontal
6	4897.13	40.05	-45.14	32.35	-67.99	-13.00	54.99	188	300	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1111	58.03	-48.73	25.40	-60.56	-13.00	47.56	296	266	Vertical
2	2098.77	41.37	-47.88	27.10	-74.67	-13.00	61.67	244	7	Vertical
3	2798.36	42.52	-46.69	28.92	-70.51	-13.00	57.51	178	7	Vertical
4	3497.95	42.22	-46.05	29.40	-69.69	-13.00	56.69	163	313	Vertical
5	4197.54	41.02	-45.12	30.92	-68.44	-13.00	55.44	209	90	Vertical
6	4897.13	40.49	-45.14	32.35	-67.55	-13.00	54.55	196	139	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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. 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) 83071443, or email: CN_Doccheck@sgs.com

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

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

Report No.: SEWM2305000177RG01
Rev.: 01
Page: 51 of 56

Test Band = LTE Band 12_ TM1_ Ant13

Test Channel = Mid Channel_10MHz

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.18	66.99	-48.72	25.41	-51.58	-13.00	38.58	174	173	Horizontal
2	2109.27	42.19	-47.87	27.12	-73.82	-13.00	60.82	203	297	Horizontal
3	2812.36	42.40	-46.69	28.96	-70.59	-13.00	57.59	299	204	Horizontal
4	3515.45	41.47	-46.03	29.44	-70.39	-13.00	57.39	247	282	Horizontal
5	4218.54	40.82	-45.11	30.95	-68.60	-13.00	55.60	180	357	Horizontal
6	4921.63	40.57	-45.12	32.41	-67.40	-13.00	54.40	238	221	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.18	57.74	-48.72	25.41	-60.83	-13.00	47.83	136	251	Vertical
2	2109.27	41.11	-47.87	27.12	-74.90	-13.00	61.90	298	32	Vertical
3	2812.36	42.57	-46.69	28.96	-70.42	-13.00	57.42	177	313	Vertical
4	3515.45	42.44	-46.03	29.44	-69.42	-13.00	56.42	146	266	Vertical
5	4218.54	40.61	-45.11	30.95	-68.81	-13.00	55.81	268	125	Vertical
6	4921.63	40.34	-45.12	32.41	-67.63	-13.00	54.63	283	345	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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. 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) 83071443, or email: CN_Doccheck@sgs.com

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

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

Report No.: SEWM2305000177RG01
Rev.: 01
Page: 52 of 56

Test Band = LTE Band 12_ TM1_ Ant13

Test Channel = High Channel _10MHz

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.18	68.71	-48.70	25.41	-49.83	-13.00	36.83	185	172	Horizontal
2	2119.77	41.70	-47.85	27.14	-74.27	-13.00	61.27	163	248	Horizontal
3	2826.36	41.85	-46.71	29.01	-71.11	-13.00	58.11	213	203	Horizontal
4	3532.95	41.98	-46.01	29.48	-69.81	-13.00	56.81	298	341	Horizontal
5	4239.54	41.31	-45.11	30.98	-68.08	-13.00	55.08	277	3	Horizontal
6	4946.13	39.55	-45.09	32.47	-68.32	-13.00	55.32	140	94	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.18	62.65	-48.70	25.41	-55.89	-13.00	42.89	256	38	Vertical
2	2119.77	41.43	-47.85	27.14	-74.54	-13.00	61.54	139	146	Vertical
3	2826.36	42.65	-46.71	29.01	-70.31	-13.00	57.31	284	101	Vertical
4	3532.95	41.96	-46.01	29.48	-69.83	-13.00	56.83	172	192	Vertical
5	4239.54	41.24	-45.11	30.98	-68.15	-13.00	55.15	166	239	Vertical
6	4946.13	39.67	-45.09	32.47	-68.20	-13.00	55.20	209	70	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. 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) 83071443, 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) Pilot 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.: SEWM2305000177RG01
Rev.: 01
Page: 53 of 56

Test Band = LTE Band 12_TM1_Ant31

Test Channel = Low Channel_10MHz

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.18	45.47	-48.73	25.40	-73.12	-13.00	60.12	147	63	Horizontal
2	2098.77	41.12	-47.88	27.10	-74.92	-13.00	61.92	129	15	Horizontal
3	2798.36	42.08	-46.69	28.92	-70.95	-13.00	57.95	263	157	Horizontal
4	3497.95	41.64	-46.05	29.40	-70.27	-13.00	57.27	248	4	Horizontal
5	4197.54	41.28	-45.12	30.92	-68.18	-13.00	55.18	177	15	Horizontal
6	4897.13	39.44	-45.14	32.35	-68.60	-13.00	55.60	218	353	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.18	45.14	-48.73	25.40	-73.45	-13.00	60.45	148	206	Vertical
2	2098.77	40.97	-47.88	27.10	-75.07	-13.00	62.07	297	47	Vertical
3	2798.36	42.37	-46.69	28.92	-70.66	-13.00	57.66	146	0	Vertical
4	3497.95	41.43	-46.05	29.40	-70.48	-13.00	57.48	231	236	Vertical
5	4197.54	41.34	-45.12	30.92	-68.12	-13.00	55.12	172	283	Vertical
6	4897.13	40.26	-45.14	32.35	-67.78	-13.00	54.78	188	63	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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) Pilot 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.: SEWM2305000177RG01
 Rev.: 01
 Page: 54 of 56

Test Band = LTE Band 12_ TM1_ Ant31

Test Channel = Mid Channel _10MHz

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.18	44.42	-48.72	25.41	-74.15	-13.00	61.15	178	31	Horizontal
2	2109.27	41.32	-47.87	27.12	-74.69	-13.00	61.69	294	142	Horizontal
3	2812.36	42.75	-46.69	28.96	-70.24	-13.00	57.24	186	359	Horizontal
4	3515.45	42.11	-46.03	29.44	-69.75	-13.00	56.75	234	222	Horizontal
5	4218.54	41.06	-45.11	30.95	-68.36	-13.00	55.36	142	46	Horizontal
6	4921.63	39.99	-45.12	32.41	-67.98	-13.00	54.98	208	157	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.18	45.22	-48.72	25.41	-73.35	-13.00	60.35	159	167	Vertical
2	2109.27	40.91	-47.87	27.12	-75.10	-13.00	62.10	237	248	Vertical
3	2812.36	41.96	-46.69	28.96	-71.03	-13.00	58.03	148	6	Vertical
4	3515.45	41.65	-46.03	29.44	-70.21	-13.00	57.21	216	1	Vertical
5	4218.54	41.17	-45.11	30.95	-68.25	-13.00	55.25	288	200	Vertical
6	4921.63	40.47	-45.12	32.41	-67.50	-13.00	54.50	140	328	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) 83071443, or email: CN_Doccheck@sgs.com



South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot 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.: SEWM2305000177RG01
Rev.: 01
Page: 55 of 56

Test Band = LTE Band 12_ TM1_ Ant31

Test Channel = High Channel_10MHz

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.18	45.00	-48.70	25.41	-73.54	-13.00	60.54	297	190	Horizontal
2	2119.77	41.64	-47.85	27.14	-74.33	-13.00	61.33	184	125	Horizontal
3	2826.36	42.24	-46.71	29.01	-70.72	-13.00	57.72	123	190	Horizontal
4	3532.95	41.80	-46.01	29.48	-69.99	-13.00	56.99	241	125	Horizontal
5	4239.54	40.98	-45.11	30.98	-68.41	-13.00	55.41	291	142	Horizontal
6	4946.13	39.78	-45.09	32.47	-68.09	-13.00	55.09	275	237	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.18	44.70	-48.70	25.41	-73.84	-13.00	60.84	211	143	Vertical
2	2119.77	41.18	-47.85	27.14	-74.79	-13.00	61.79	171	69	Vertical
3	2826.36	42.29	-46.71	29.01	-70.67	-13.00	57.67	249	254	Vertical
4	3532.95	41.64	-46.01	29.48	-70.15	-13.00	57.15	166	157	Vertical
5	4239.54	41.52	-45.11	30.98	-67.87	-13.00	54.87	248	20	Vertical
6	4946.13	40.11	-45.09	32.47	-67.76	-13.00	54.76	186	330	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 herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional 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) 83071443, or email: CN_Doccheck@sgs.com



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

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

Report No.: SEWM2305000177RG01
Rev.: 01
Page: 56 of 56

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	-1.50	-0.002120	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-3.20	-0.004523	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	0.50	0.000707	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-1.10	-0.001555	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-2.50	-0.003534	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.40	-0.000565	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.40	-0.003392	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.70	-0.000989	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-2.60	-0.003675	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-2.30	-0.003251	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-3.40	-0.004806	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.00	-0.001413	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's instructions. It is the Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from observing all their rights and obligations under the transactional document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forged 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) Pilot 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