

Appendix B.32

NR Band n13



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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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号厂房南面 邮编: 215000

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

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N13	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.02	23.41	34.77	PASS
N13	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.08	23.47	34.77	PASS
N13	15	5	DFT-PI2BPSK	L	Outer_Full	23.50	22.89	34.77	PASS
N13	15	5	DFT-QPSK	L	Inner_1RB_Left	23.92	23.31	34.77	PASS
N13	15	5	DFT-QPSK	L	Inner_1RB_Right	23.95	23.34	34.77	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	23.05	22.44	34.77	PASS
N13	15	5	DFT-16QAM	L	Inner_1RB_Left	23.00	22.39	34.77	PASS
N13	15	5	DFT-16QAM	L	Inner_1RB_Right	23.05	22.44	34.77	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	22.07	21.46	34.77	PASS
N13	15	5	DFT-64QAM	L	Inner_1RB_Left	21.73	21.12	34.77	PASS
N13	15	5	DFT-64QAM	L	Inner_1RB_Right	21.71	21.1	34.77	PASS
N13	15	5	DFT-64QAM	L	Outer_Full	21.46	20.85	34.77	PASS
N13	15	5	DFT-256QAM	L	Inner_1RB_Left	19.01	18.4	34.77	PASS
N13	15	5	DFT-256QAM	L	Inner_1RB_Right	18.95	18.34	34.77	PASS
N13	15	5	DFT-256QAM	L	Outer_Full	19.50	18.89	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.07	23.46	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.89	23.28	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Outer_Full	23.54	22.93	34.77	PASS
N13	15	5	DFT-QPSK	M	Inner_1RB_Left	23.87	23.26	34.77	PASS
N13	15	5	DFT-QPSK	M	Inner_1RB_Right	23.85	23.24	34.77	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	23.01	22.4	34.77	PASS
N13	15	5	DFT-16QAM	M	Inner_1RB_Left	22.90	22.29	34.77	PASS
N13	15	5	DFT-16QAM	M	Inner_1RB_Right	22.88	22.27	34.77	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	22.03	21.42	34.77	PASS
N13	15	5	DFT-64QAM	M	Inner_1RB_Left	21.77	21.16	34.77	PASS
N13	15	5	DFT-64QAM	M	Inner_1RB_Right	21.58	20.97	34.77	PASS
N13	15	5	DFT-64QAM	M	Outer_Full	21.48	20.87	34.77	PASS
N13	15	5	DFT-256QAM	M	Inner_1RB_Left	19.01	18.4	34.77	PASS
N13	15	5	DFT-256QAM	M	Inner_1RB_Right	18.82	18.21	34.77	PASS
N13	15	5	DFT-256QAM	M	Outer_Full	19.46	18.85	34.77	PASS
N13	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.96	23.35	34.77	PASS
N13	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.91	23.3	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
 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6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



Table with 10 columns: Item No., Lot No., Sample No., Modulation, Error Type, Test Method, SNR, BER, Error Rate, and Result. It contains 45 rows of test data for various modulation schemes like DFT-PI2BPSK, DFT-QPSK, DFT-16QAM, and DFT-64QAM.



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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Report No.: SEWA2309000114RG10

Rev.: 01

Page: 4 of 29

N13	15	10	DFT-64QAM	M	Inner_1RB_Right	21.69	21.08	34.77	PASS
N13	15	10	DFT-64QAM	M	Outer_Full	21.59	20.98	34.77	PASS
N13	15	10	DFT-256QAM	M	Inner_1RB_Left	18.99	18.38	34.77	PASS
N13	15	10	DFT-256QAM	M	Inner_1RB_Right	18.90	18.29	34.77	PASS
N13	15	10	DFT-256QAM	M	Outer_Full	19.44	18.83	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.05	23.44	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.88	23.27	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Outer_Full	23.54	22.93	34.77	PASS
N13	15	10	DFT-QPSK	H	Inner_1RB_Left	23.94	23.33	34.77	PASS
N13	15	10	DFT-QPSK	H	Inner_1RB_Right	23.84	23.23	34.77	PASS
N13	15	10	DFT-QPSK	H	Outer_Full	22.96	22.35	34.77	PASS
N13	15	10	DFT-16QAM	H	Inner_1RB_Left	23.03	22.42	34.77	PASS
N13	15	10	DFT-16QAM	H	Inner_1RB_Right	22.75	22.14	34.77	PASS
N13	15	10	DFT-16QAM	H	Outer_Full	21.96	21.35	34.77	PASS
N13	15	10	DFT-64QAM	H	Inner_1RB_Left	21.82	21.21	34.77	PASS
N13	15	10	DFT-64QAM	H	Inner_1RB_Right	21.63	21.02	34.77	PASS
N13	15	10	DFT-64QAM	H	Outer_Full	21.57	20.96	34.77	PASS
N13	15	10	DFT-256QAM	H	Inner_1RB_Left	18.96	18.35	34.77	PASS
N13	15	10	DFT-256QAM	H	Inner_1RB_Right	18.90	18.29	34.77	PASS
N13	15	10	DFT-256QAM	H	Outer_Full	19.43	18.82	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> 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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Suzhou 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号厂房南楼 邮编: 215000

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

Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

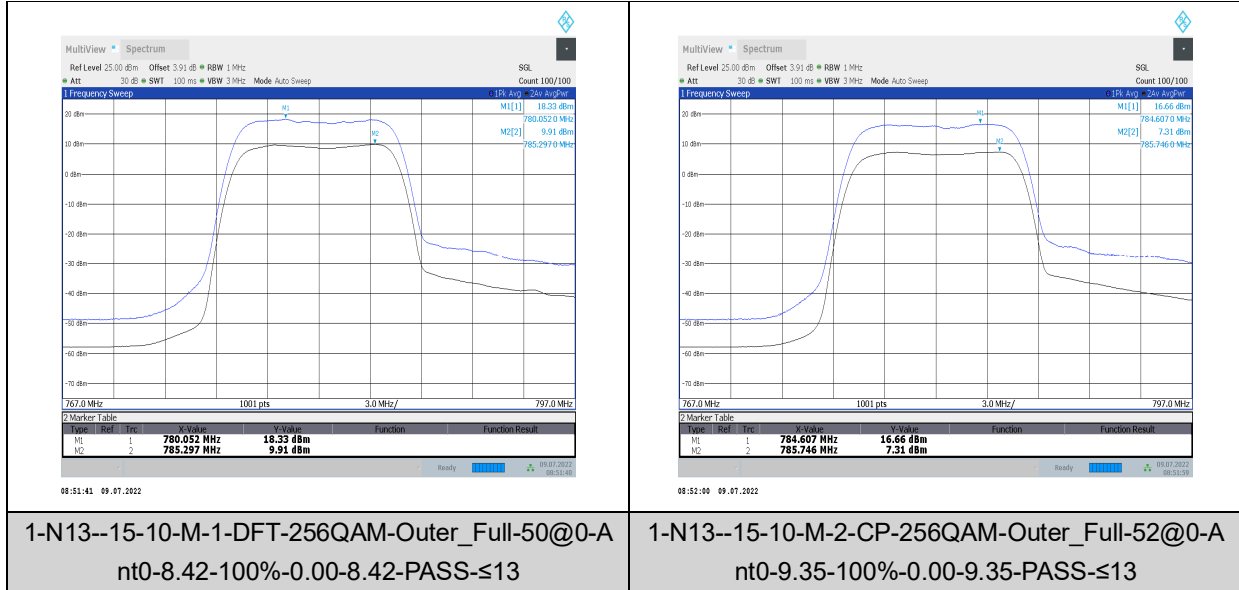
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N13	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.42	≤13	PASS
N13	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.35	≤13	PASS



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-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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Test Graphs



1-N13--15-10-M-1-DFT-256QAM-Outer_Full-50@0-A
nt0-8.42-100%-0.00-8.42-PASS-≤13

1-N13--15-10-M-2-CP-256QAM-Outer_Full-52@0-A
nt0-9.35-100%-0.00-9.35-PASS-≤13



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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
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6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N13	15	5	DFT-QPSK	L	Outer_Full	4.467	5.020	PASS
N13	15	5	DFT-PI2BPSK	L	Outer_Full	4.453	4.980	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	4.459	4.960	PASS
N13	15	5	DFT-64QAM	L	Outer_Full	4.458	5.010	PASS
N13	15	5	DFT-256QAM	L	Outer_Full	4.464	4.890	PASS
N13	15	5	CP-QPSK	L	Outer_Full	4.452	4.880	PASS
N13	15	5	CP-16QAM	L	Outer_Full	4.473	5.080	PASS
N13	15	5	CP-64QAM	L	Outer_Full	4.468	4.990	PASS
N13	15	5	CP-256QAM	L	Outer_Full	4.450	4.960	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	4.490	5.070	PASS
N13	15	5	DFT-PI2BPSK	M	Outer_Full	4.481	4.990	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	4.475	4.960	PASS
N13	15	5	DFT-64QAM	M	Outer_Full	4.470	5.060	PASS
N13	15	5	DFT-256QAM	M	Outer_Full	4.485	5.010	PASS
N13	15	5	CP-QPSK	M	Outer_Full	4.48	5.110	PASS
N13	15	5	CP-16QAM	M	Outer_Full	4.474	5.040	PASS
N13	15	5	CP-64QAM	M	Outer_Full	4.468	4.880	PASS
N13	15	5	CP-256QAM	M	Outer_Full	4.501	5.100	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	4.479	4.950	PASS
N13	15	5	DFT-PI2BPSK	H	Outer_Full	4.479	5.000	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	4.467	4.960	PASS
N13	15	5	DFT-64QAM	H	Outer_Full	4.471	5.040	PASS
N13	15	5	DFT-256QAM	H	Outer_Full	4.473	5.050	PASS
N13	15	5	CP-QPSK	H	Outer_Full	4.457	4.990	PASS
N13	15	5	CP-16QAM	H	Outer_Full	4.457	4.930	PASS
N13	15	5	CP-64QAM	H	Outer_Full	4.471	5.050	PASS
N13	15	5	CP-256QAM	H	Outer_Full	4.469	5.000	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	8.939	9.680	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	8.916	9.660	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	8.932	9.600	PASS
N13	15	10	DFT-64QAM	M	Outer_Full	8.932	9.540	PASS
N13	15	10	DFT-256QAM	M	Outer_Full	8.916	9.460	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
 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号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWA2309000114RG10

Rev.: 01

Page: 8 of 29

N13	15	10	CP-QPSK	M	Outer_Full	9.271	9.960	PASS
N13	15	10	CP-16QAM	M	Outer_Full	9.260	9.940	PASS
N13	15	10	CP-64QAM	M	Outer_Full	9.279	9.920	PASS
N13	15	10	CP-256QAM	M	Outer_Full	9.267	10.140	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

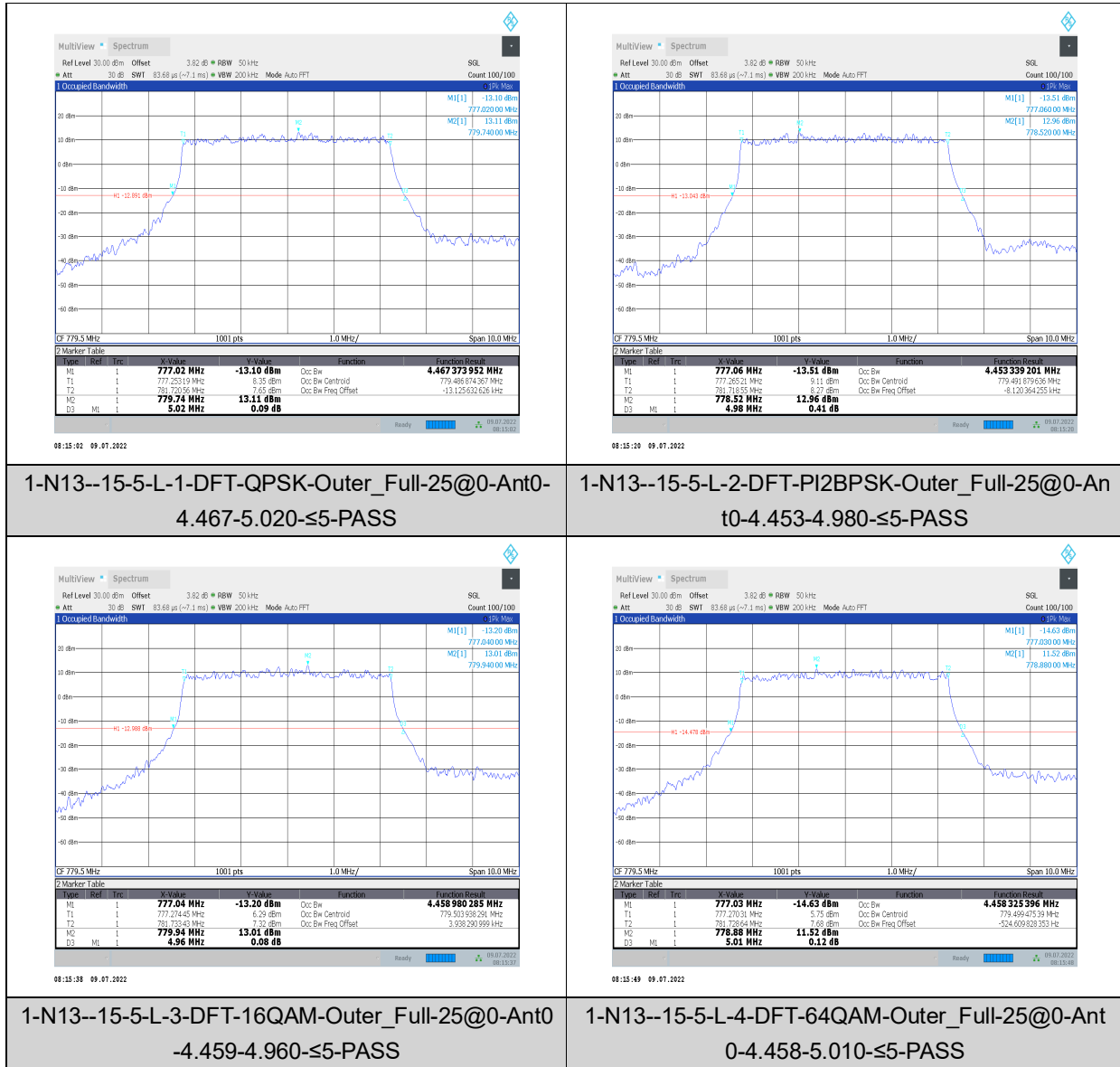
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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号厂房南面 邮编: 215000

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

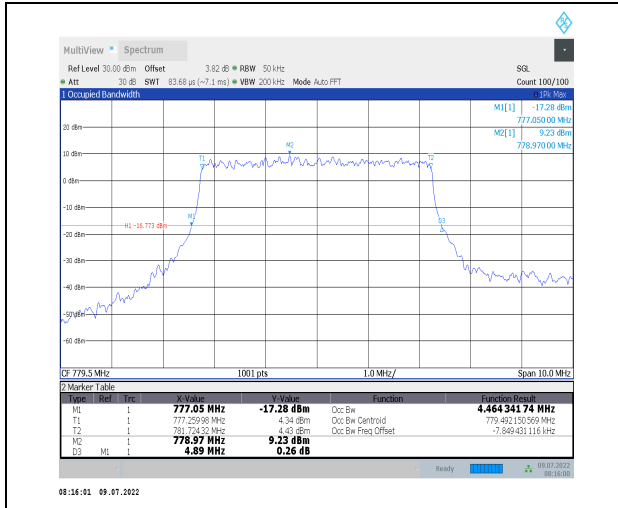
Test Graphs



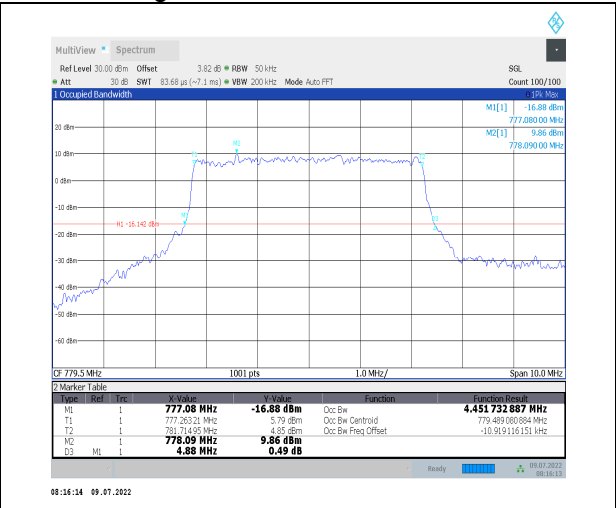
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

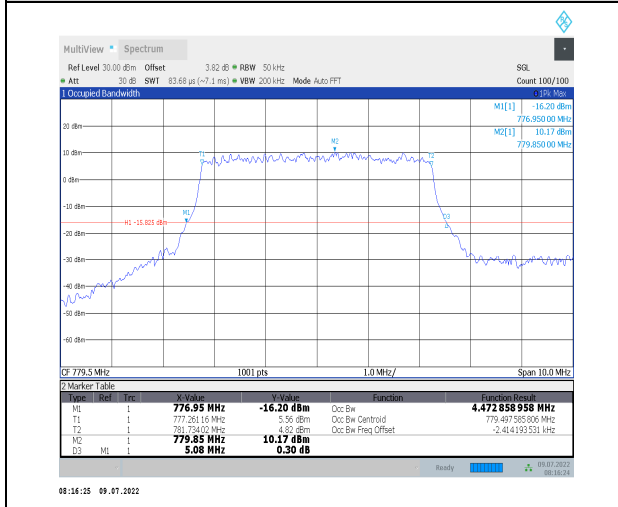
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



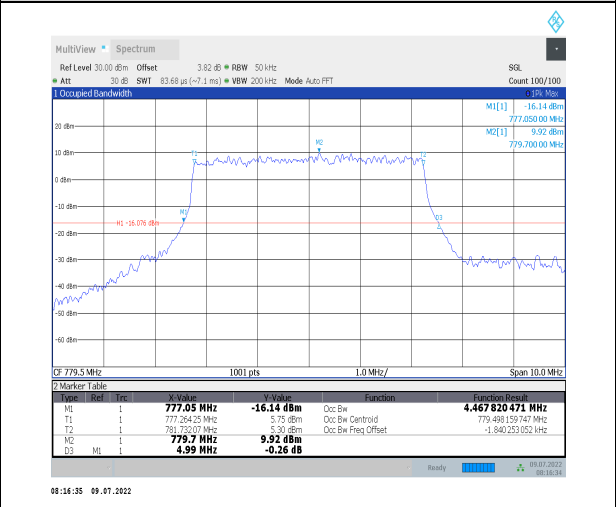
1-N13--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.464-4.890- ≤ 5 -PASS



1-N13--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant0-4.452-4.880- ≤ 5 -PASS



1-N13--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant0-4.473-5.080- ≤ 5 -PASS



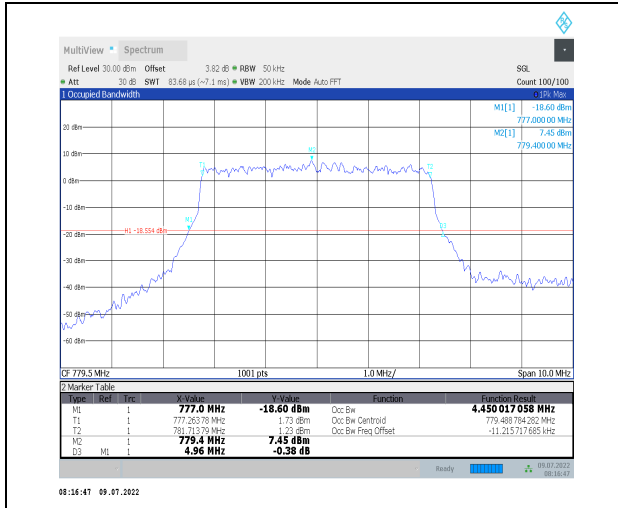
1-N13--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant0-4.468-4.990- ≤ 5 -PASS



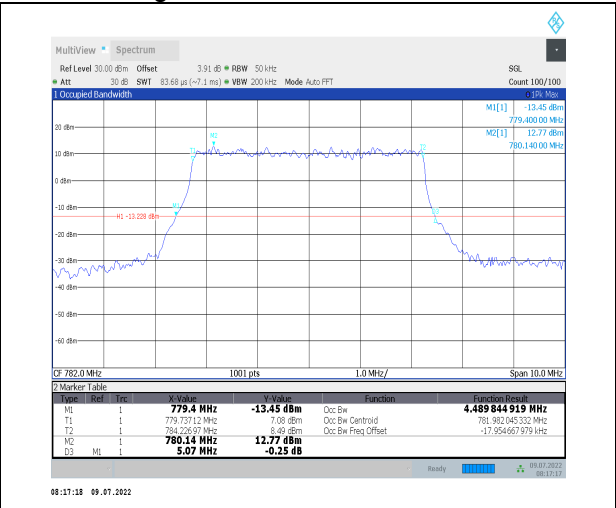
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
 中国·苏州·中国（江苏）自由贸易试验区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com



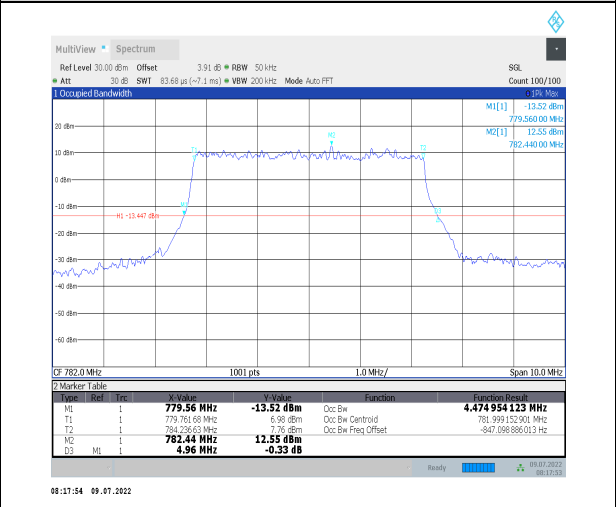
1-N13--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant0
-4.45-4.960-≤5-PASS



1-N13--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant0
-4.49-5.070-≤5-PASS



1-N13--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-A
nt0-4.481-4.990-≤5-PASS



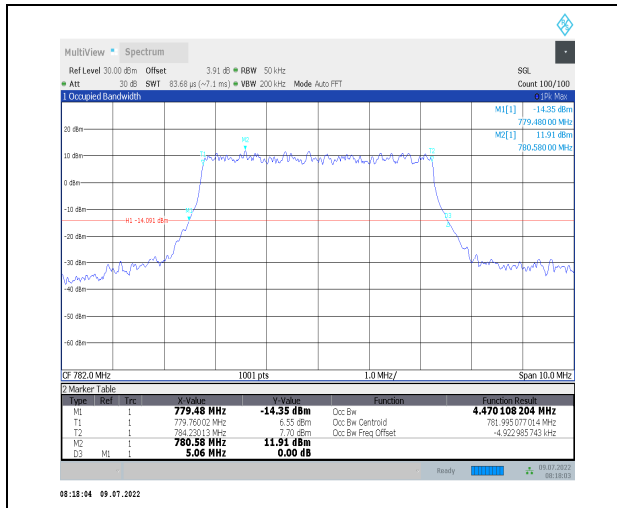
1-N13--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant
0-4.475-4.960-≤5-PASS



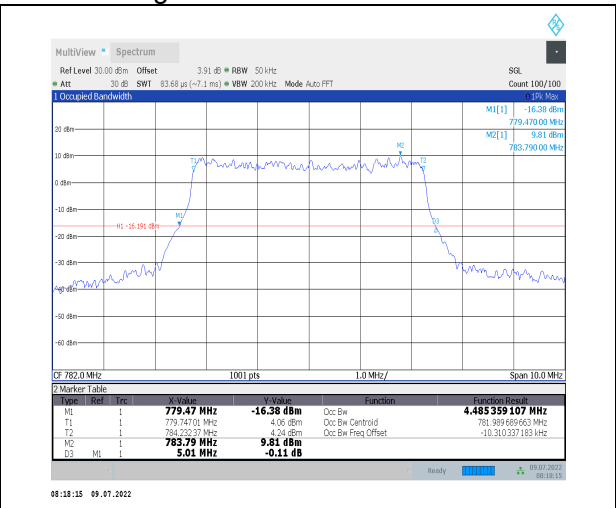
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

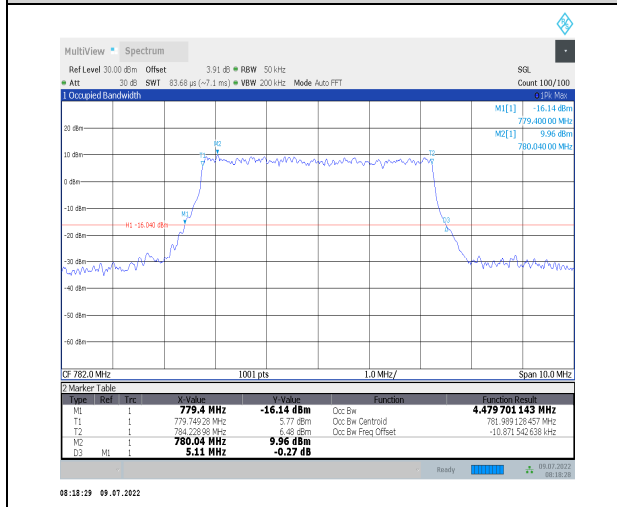
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国（江苏）自由贸易试验区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com



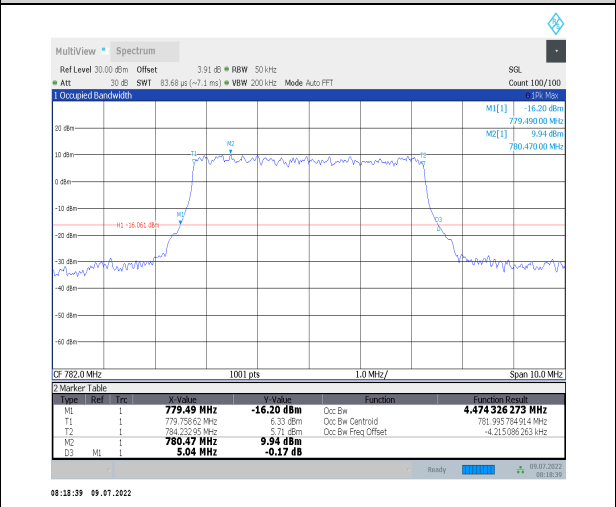
1-N13--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant
0-4.47-5.060-≤ 5-PASS



1-N13--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
0-4.485-5.010-≤ 5-PASS



1-N13--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant
0-4.48-5.110-≤ 5-PASS



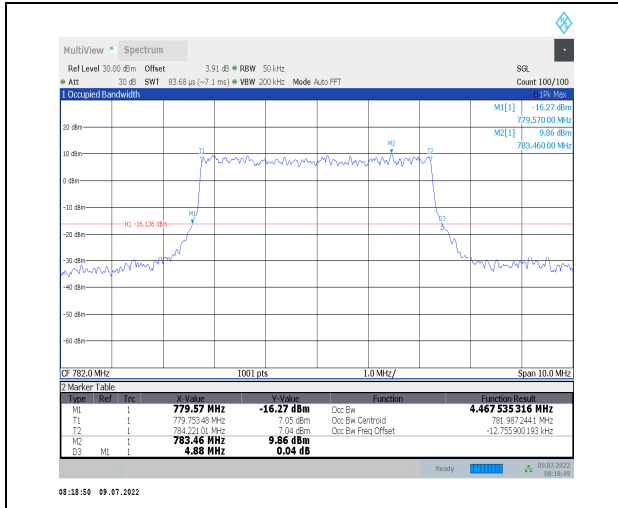
1-N13--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant
0-4.474-5.040-≤ 5-PASS



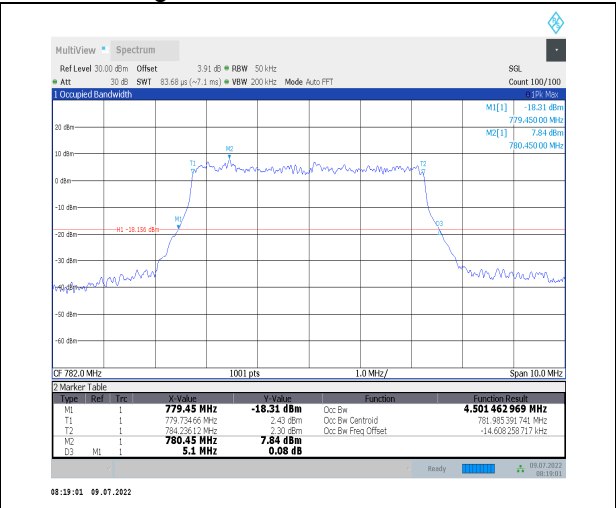
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

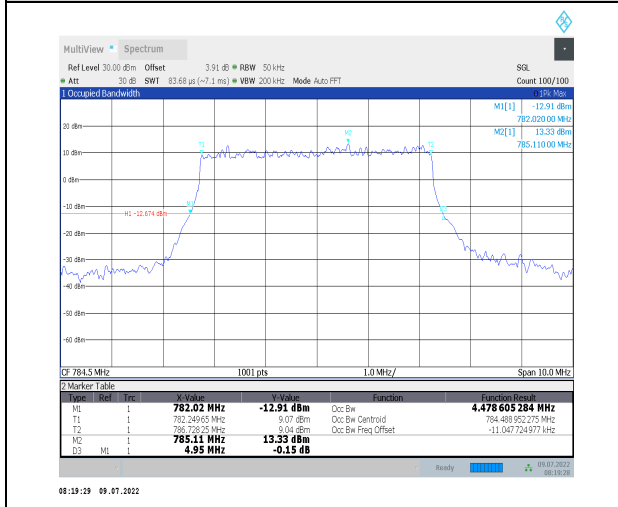
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



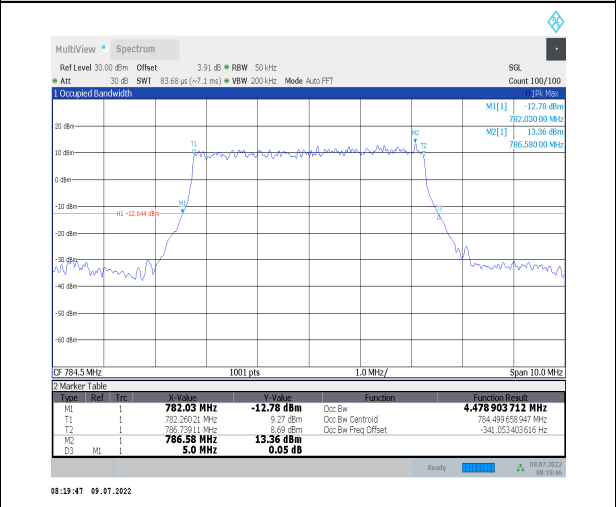
1-N13--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0
-4.468-4.880-≤5-PASS



1-N13--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant
0-4.501-5.100-≤5-PASS



1-N13--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant0
4.479-4.950-≤5-PASS



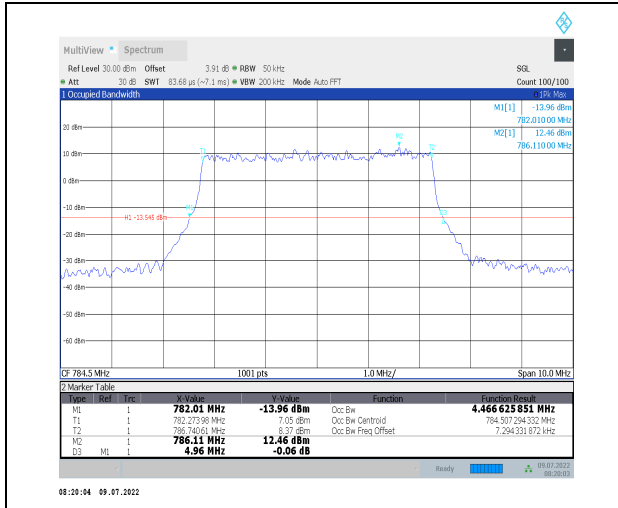
1-N13--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0
-4.479-5.000-≤5-PASS



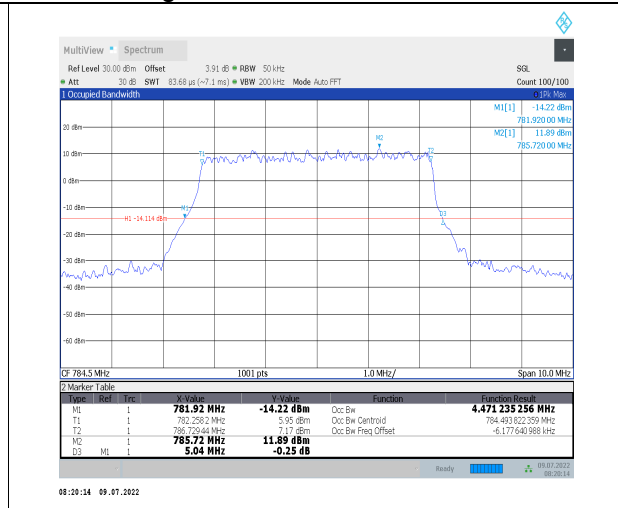
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

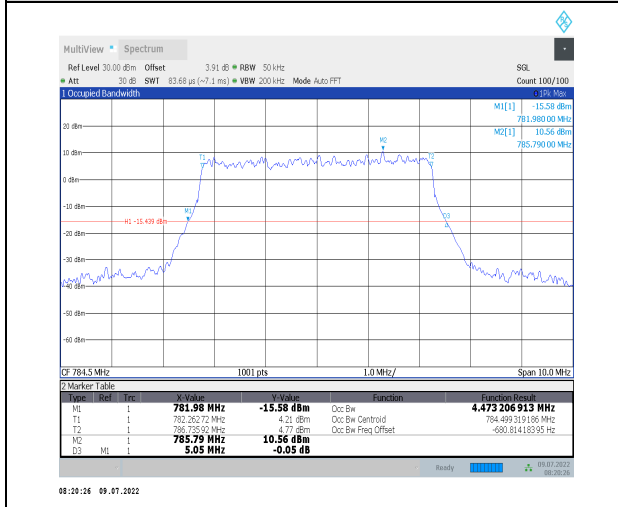
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com



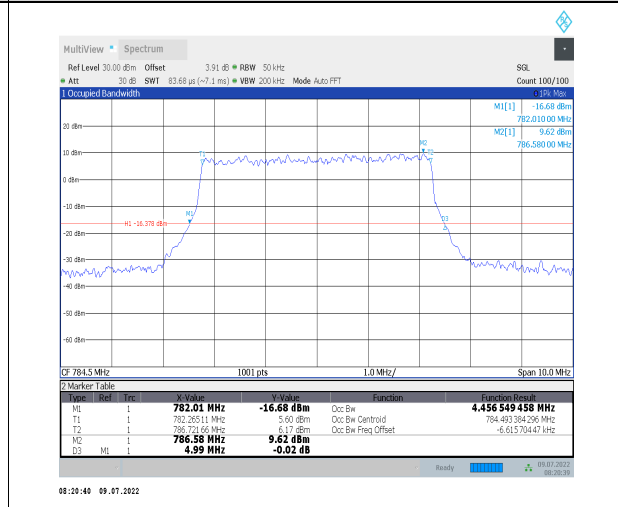
1-N13--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant
0-4.467-4.960- ≤ 5 -PASS



1-N13--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant
0-4.471-5.040- ≤ 5 -PASS



1-N13--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant
t0-4.473-5.050- ≤ 5 -PASS



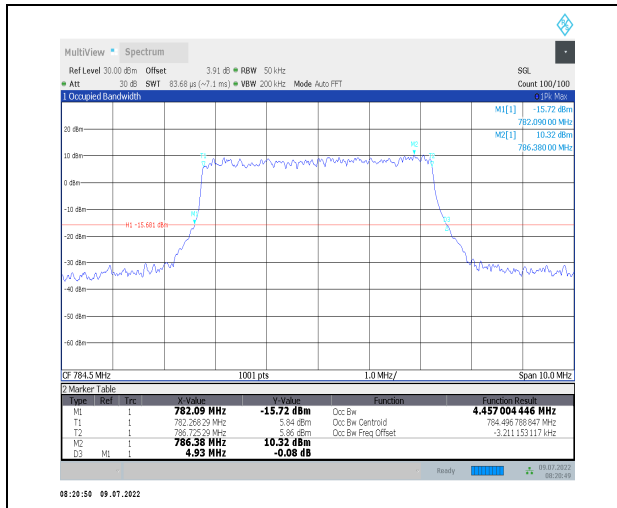
1-N13--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-4
.457-4.990- ≤ 5 -PASS



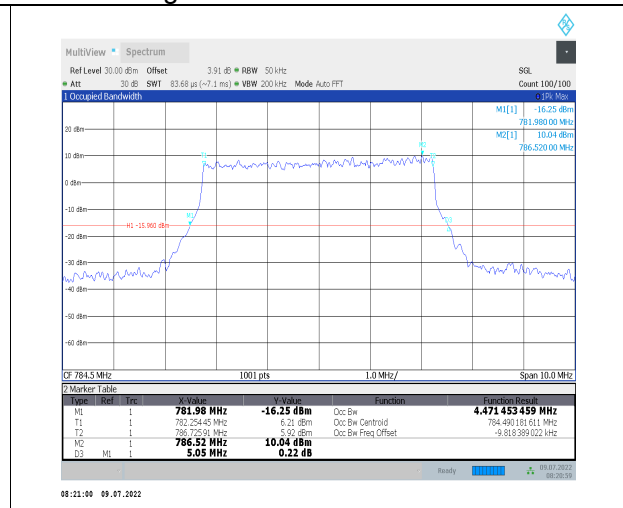
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

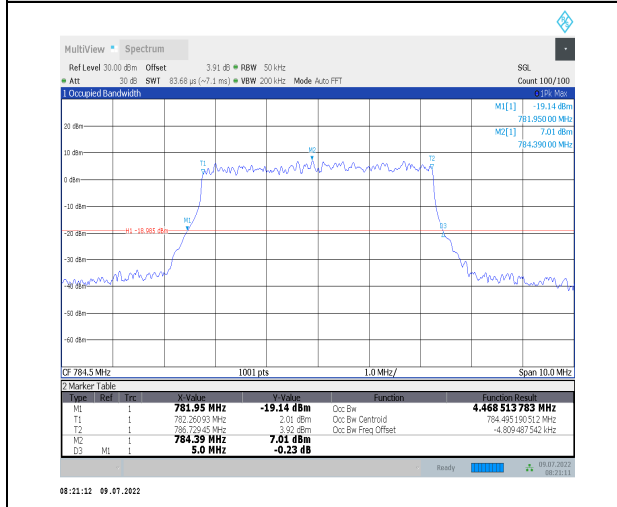
South of No. 6 Plant No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



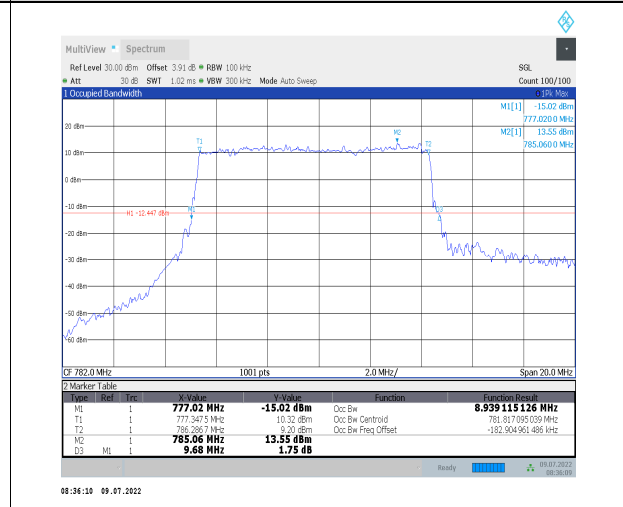
1-N13--15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant0-
4.457-4.930-≤5-PASS



1-N13--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant0
-4.471-5.050-≤5-PASS



1-N13--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant
0-4.469-5.000-≤5-PASS



1-N13--15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant
0-8.939-9.680-≤10-PASS



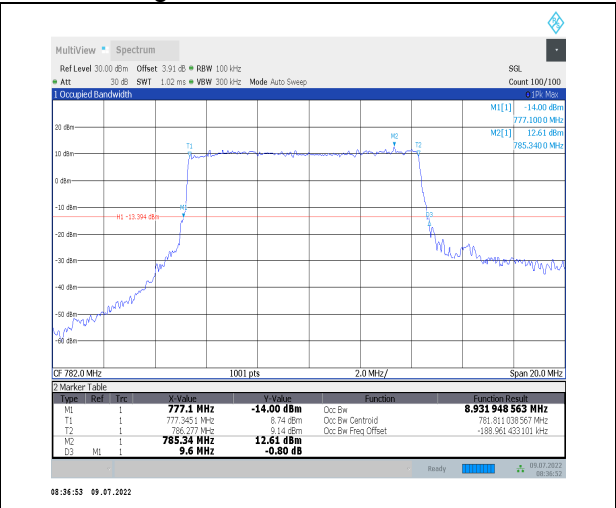
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

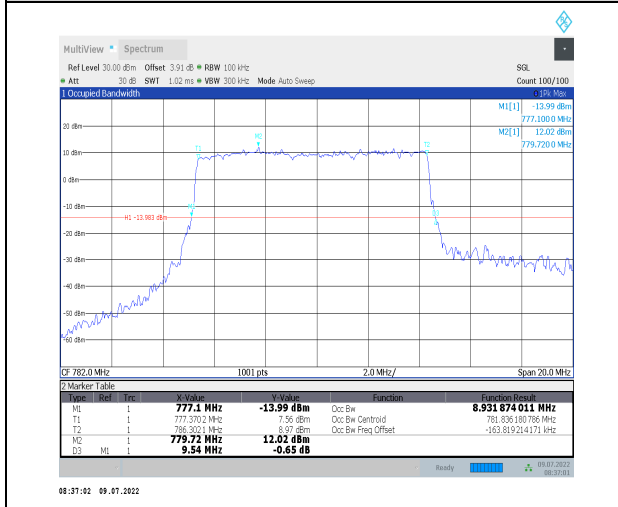
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



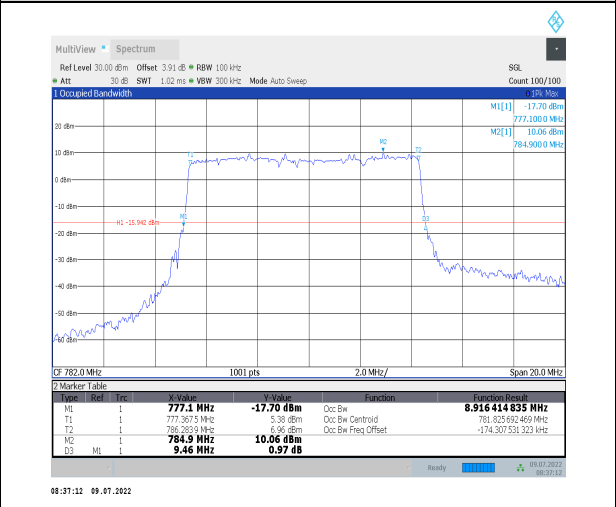
1-N13--15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant0-8.916-9.660-≤ 10-PASS



1-N13--15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant0-8.932-9.600-≤ 10-PASS



1-N13--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant0-8.932-9.540-≤ 10-PASS



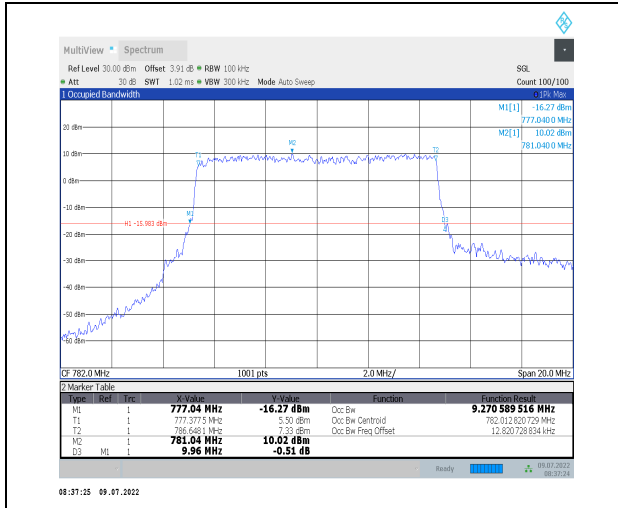
1-N13--15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant0-8.916-9.460-≤ 10-PASS



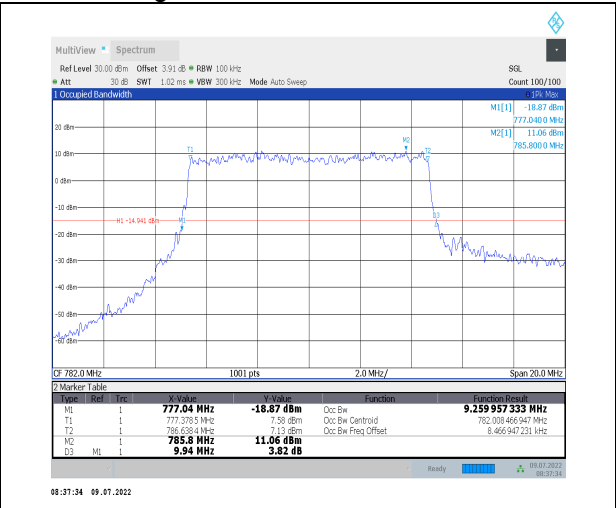
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

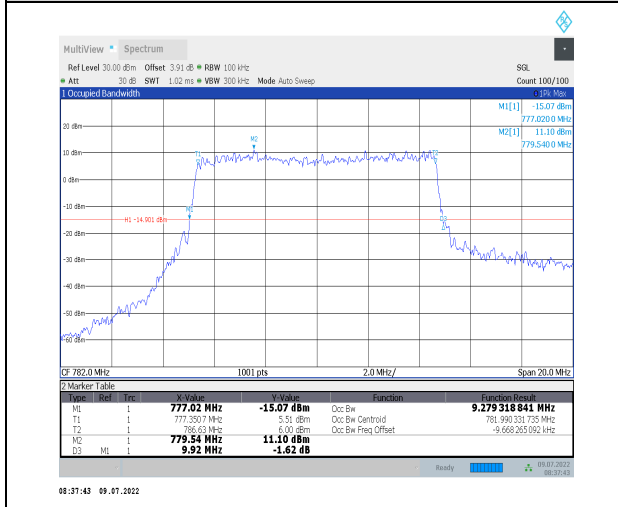
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



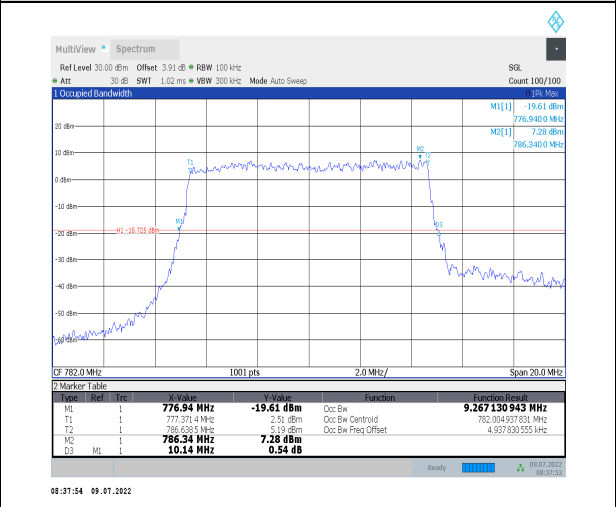
1-N13--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant0-9.271-9.960-≤10-PASS



1-N13--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant0-9.26-9.940-≤10-PASS



1-N13--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant0-9.279-9.920-≤10-PASS



1-N13--15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant0-9.267-10.140-≤10-PASS



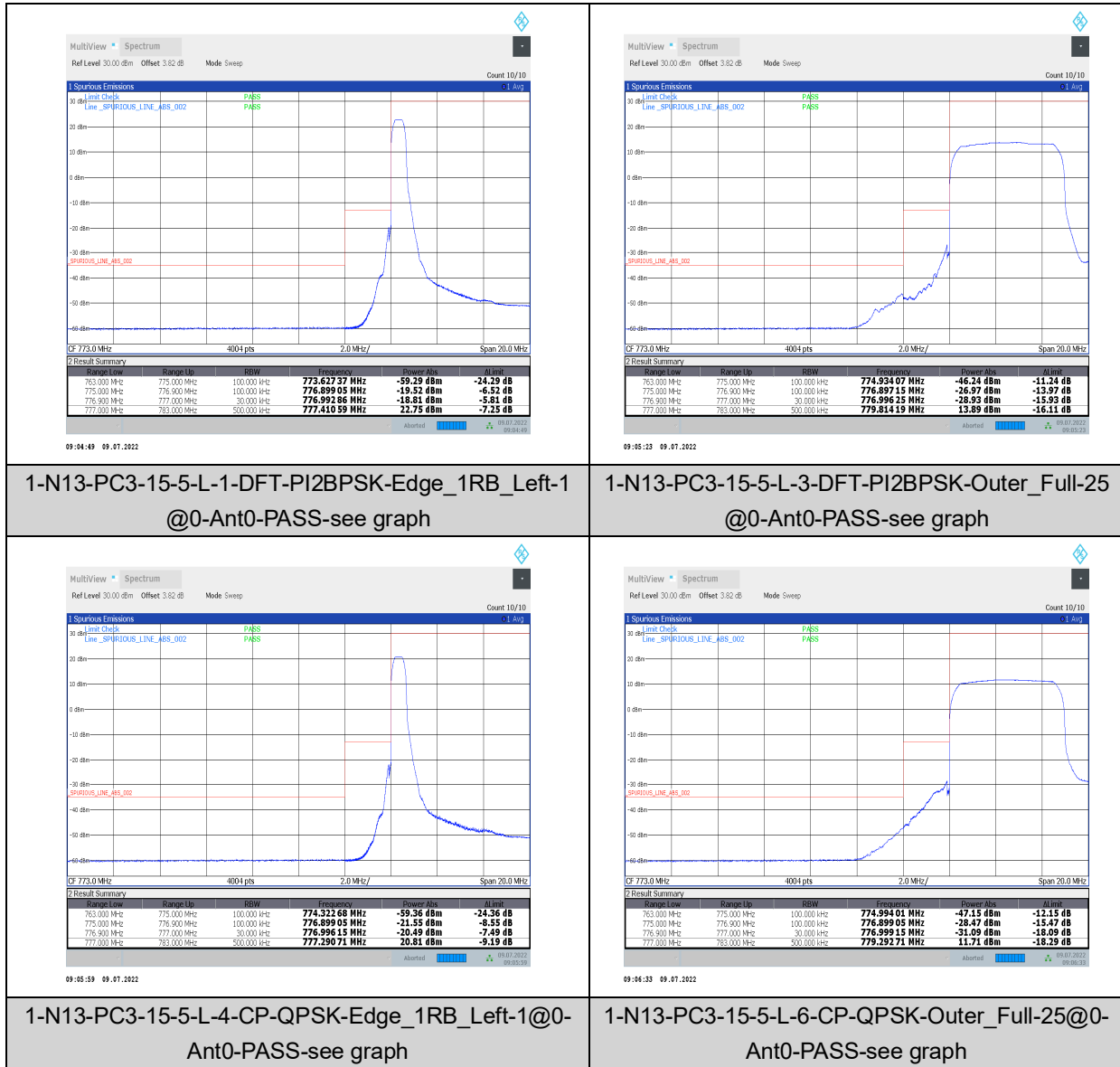
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Band Edge for SA

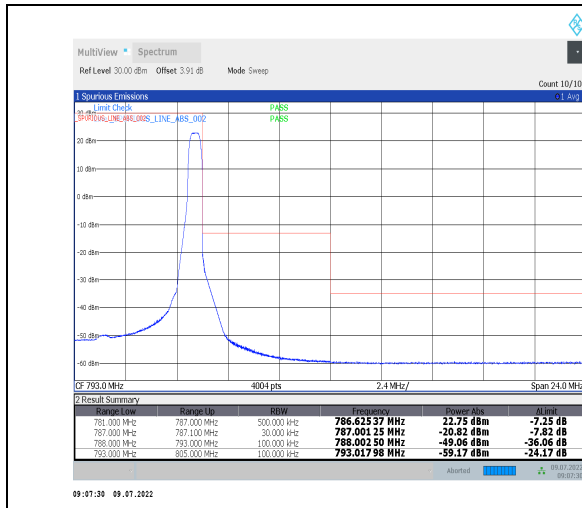
Test Graphs



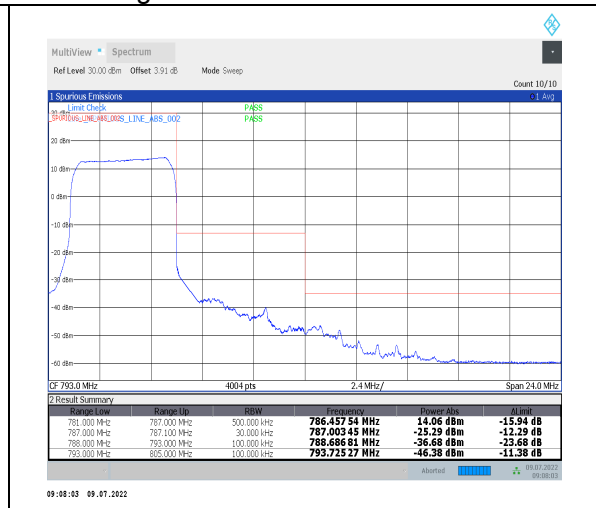
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

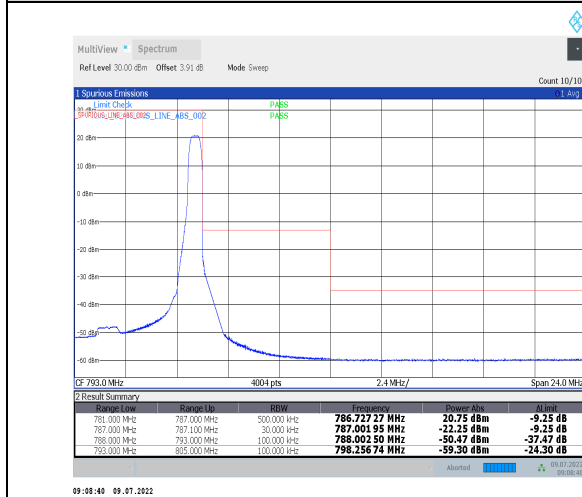
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



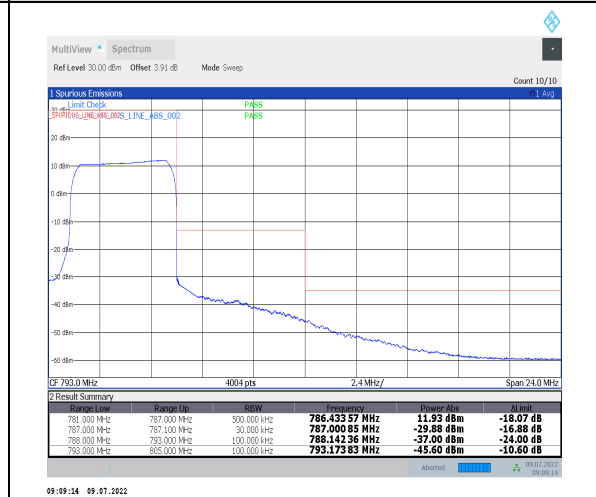
1-N13-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant0-PASS-see graph



1-N13-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-PASS-see graph



1-N13-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-PASS-see graph



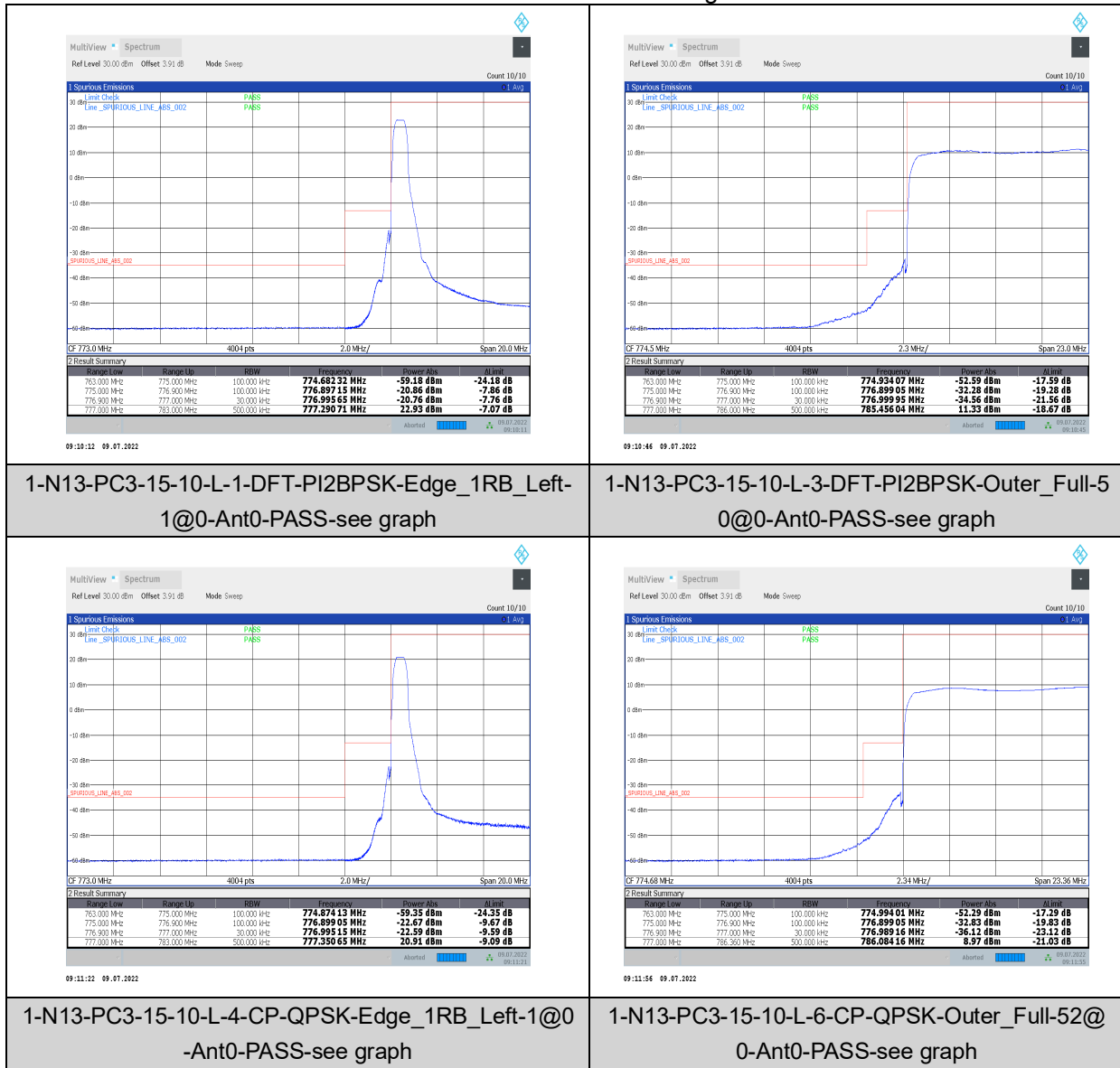
1-N13-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-PASS-see graph



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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

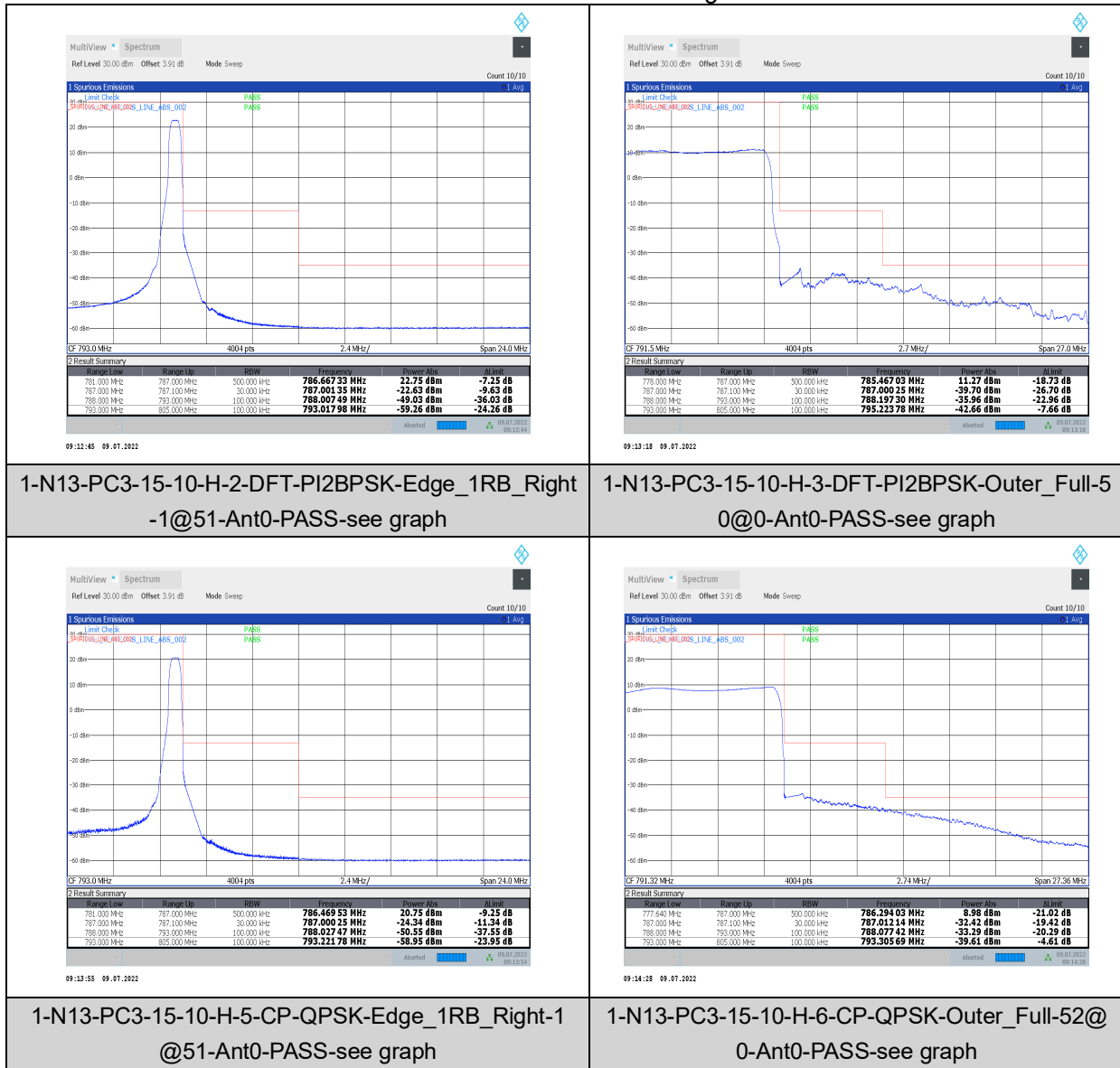
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com



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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com
 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号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com



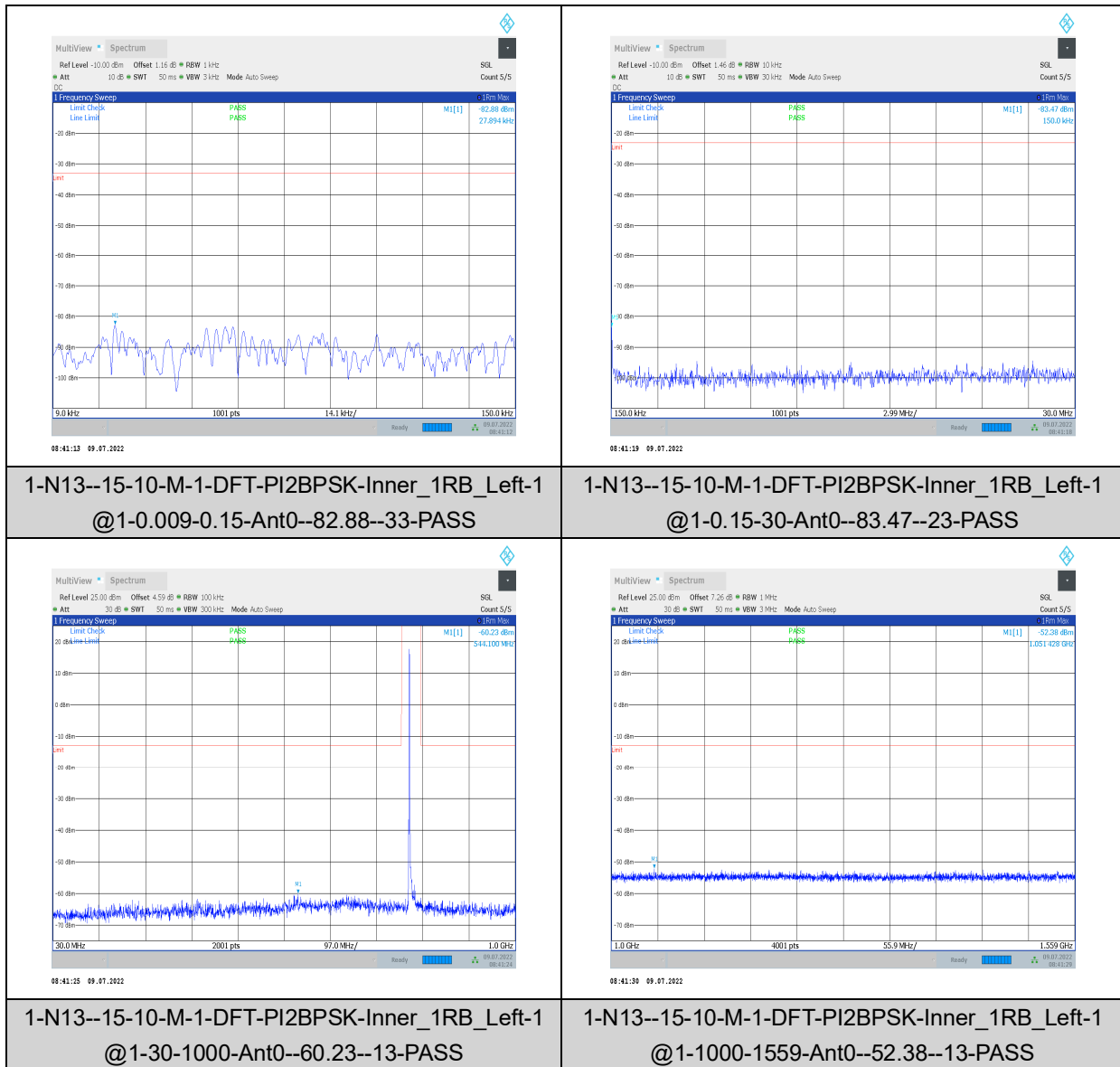
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
 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号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com

Conducted Spurious Emission for SA

Test Graphs

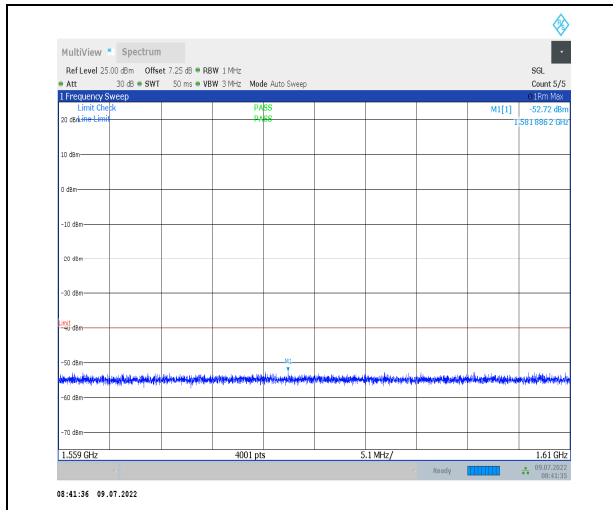


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

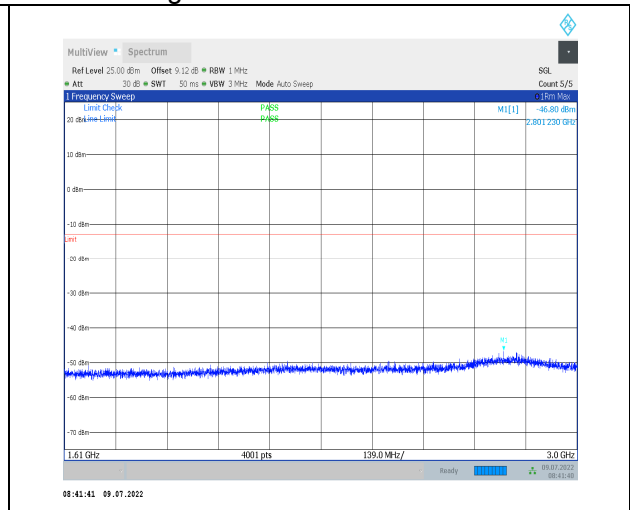
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.Doccheck@sgs.com

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号厂房南楼 邮编: 215000

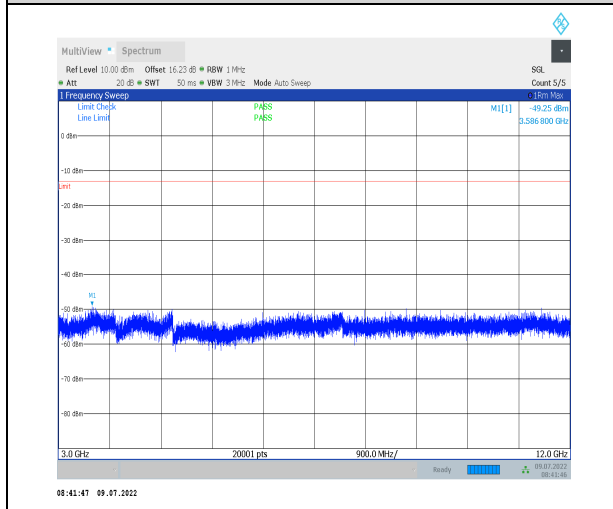
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



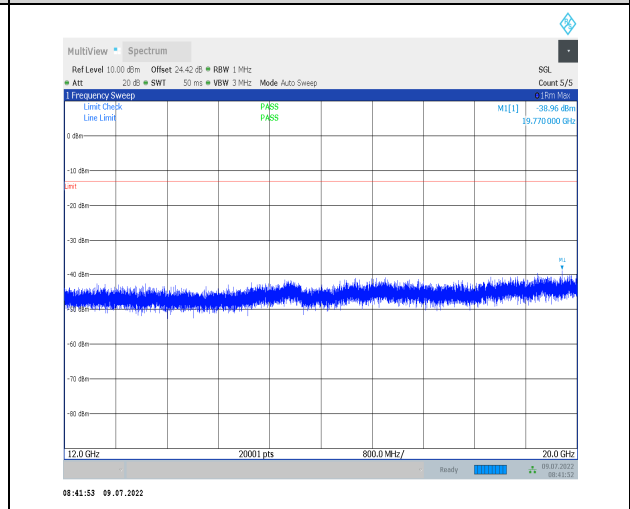
1-N13--15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-1559-1610-Ant0--52.72--40-PASS



1-N13--15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-1610-3000-Ant0--46.80--13-PASS



1-N13--15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant0--49.25--13-PASS



1-N13--15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-12000-20000-Ant0--38.96--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-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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com.cn
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号厂房南楼 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com

Field Strength of Spurious Radiation

Test Band = SA Band 13 BW 10M_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1555.18	58.56	-118.21	-59.65	-13.00	46.65	263	87	Horizontal
2	2332	61.27	-115.31	-54.04	-13.00	41.04	251	54	Horizontal
3	3110.36	52.89	-112.21	-59.32	-13.00	46.32	174	357	Horizontal
4	3887.95	51.98	-110.47	-58.49	-13.00	45.49	186	34	Horizontal
5	4665.54	50.46	-108.04	-57.58	-13.00	44.58	264	15	Horizontal
6	5443.13	52.32	-106.49	-54.17	-13.00	41.17	144	34	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1555.18	53.45	-118.21	-64.76	-13.00	51.76	263	360	Vertical
2	2332.77	52.06	-115.31	-63.25	-13.00	50.25	251	360	Vertical
3	3110.36	52.15	-112.21	-60.06	-13.00	47.06	174	3	Vertical
4	3887.95	50.78	-110.47	-59.69	-13.00	46.69	186	179	Vertical
5	4665.54	49.93	-108.04	-58.11	-13.00	45.11	254	83	Vertical
6	5443.13	53.36	-106.49	-53.13	-13.00	40.13	188	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com
 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号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = SA Band 13 BW 5M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1554.68	53.55	-118.21	-64.66	-13.00	51.66	253	267	Horizontal
2	2332.02	52.70	-115.31	-62.61	-13.00	49.61	241	151	Horizontal
3	3109.36	51.65	-112.22	-60.57	-13.00	47.57	176	224	Horizontal
4	3886.7	50.65	-110.47	-59.82	-13.00	46.82	284	277	Horizontal
5	4664.04	50.73	-108.04	-57.31	-13.00	44.31	163	224	Horizontal
6	5441.38	53.08	-106.49	-53.41	-13.00	40.41	244	236	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1554.68	53.93	-118.21	-64.28	-13.00	51.28	263	360	Vertical
2	2332.02	53.00	-115.31	-62.31	-13.00	49.31	251	338	Vertical
3	3109.36	51.99	-112.22	-60.23	-13.00	47.23	174	11	Vertical
4	3886.7	51.66	-110.47	-58.81	-13.00	45.81	262	105	Vertical
5	4664.04	50.75	-108.04	-57.29	-13.00	44.29	241	316	Vertical
6	5441.38	53.13	-106.49	-53.36	-13.00	40.36	188	355	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Test Band = SA Band 13 BW 5M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1559.68	69.52	-118.21	-48.69	-40.00	8.69	263	205	Horizontal
2	2339.52	83.13	-115.29	-32.16	-13.00	19.16	251	357	Horizontal
3	3119.36	52.22	-112.19	-59.97	-13.00	46.97	144	277	Horizontal
4	3899.2	50.68	-110.43	-59.75	-13.00	46.75	265	119	Horizontal
5	4679.04	50.51	-107.99	-57.48	-13.00	44.48	244	76	Horizontal
6	5458.88	52.21	-106.48	-54.27	-13.00	41.27	178	309	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1559.68	55.47	-118.21	-62.74	-40.00	22.74	263	242	Vertical
2	2339.52	59.36	-115.29	-55.93	-13.00	42.93	251	276	Vertical
3	3119.36	52.09	-112.19	-60.10	-13.00	47.10	174	360	Vertical
4	3899.2	50.82	-110.43	-59.61	-13.00	46.61	186	352	Vertical
5	4679.04	50.65	-107.99	-57.34	-13.00	44.34	264	211	Vertical
6	5458.88	51.47	-106.48	-55.01	-13.00	42.01	188	190	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Test Band = SA Band 13 BW 5M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1564	67.40	-118.21	-50.81	-40.00	10.81	263	96	Horizontal
2	2347.02	95.97	-115.27	-19.30	-13.00	6.30	251	2	Horizontal
3	3129.36	51.72	-112.17	-60.45	-13.00	47.45	174	64	Horizontal
4	3911.7	51.03	-110.40	-59.37	-13.00	46.37	162	266	Horizontal
5	4694.04	51.24	-107.94	-56.70	-13.00	43.70	241	43	Horizontal
6	5476.38	51.28	-106.46	-55.18	-13.00	42.18	188	138	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1564	69.14	-118.21	-49.07	-40.00	9.07	152	32	Vertical
2	2346	89.10	-115.28	-26.18	-13.00	13.18	263	180	Vertical
3	3129.36	52.19	-112.17	-59.98	-13.00	46.98	241	137	Vertical
4	3911.7	50.74	-110.40	-59.66	-13.00	46.66	176	137	Vertical
5	4694.04	51.00	-107.94	-56.94	-13.00	43.94	264	11	Vertical
6	5476.38	51.94	-106.46	-54.52	-13.00	41.52	188	327	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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号厂房南面 邮编: 215000

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

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N13	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.700000	0.003453	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.000000	0.001279	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.900000	0.003708	PASS
N13	15	10	CP-QPSK	M	Outer_Full	VH	NT	0.300000	0.000384	PASS
N13	15	10	CP-QPSK	M	Outer_Full	VN	NT	1.900000	0.002430	PASS
N13	15	10	CP-QPSK	M	Outer_Full	VL	NT	2.900000	0.003708	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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	1.000000	0.001279	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	1.100000	0.001407	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	4.000000	0.005115	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	2.300000	0.002941	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	1.300000	0.001662	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	3.100000	0.003964	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	0.200000	0.000256	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.600000	-0.000767	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	2.400000	0.003069	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	-30	3.200000	0.004092	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	-20	2.200000	0.002813	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	-10	5.900000	0.007545	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	0	4.300000	0.005499	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	10	4.200000	0.005371	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	20	4.500000	0.005754	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	30	3.800000	0.004859	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	40	0.100000	0.000128	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	50	1.200000	0.001535	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-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, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: QN.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.sgs.com
 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号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com