

Report No.: SEWM2311000473RG02

Rev.: 01

Page: 1 of 94

Appendix B.32

NR Band n25



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: 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

Member of the SGS Group (SGS SA)



Effective (Isotropic) Radiated Power Output Data for SA

Test ResultAnt1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N25	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.31	24.04	33	PASS
N25	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.31	24.04	33	PASS
N25	15	5	DFT-PI2BPSK	L	Outer_Full	23.18	23.91	33	PASS
N25	15	5	DFT-QPSK	L	Inner_1RB_Left	23.23	23.96	33	PASS
N25	15	5	DFT-QPSK	L	Inner_1RB_Right	23.32	24.05	33	PASS
N25	15	5	DFT-QPSK	L	Outer_Full	22.5	23.23	33	PASS
N25	15	5	DFT-16QAM	L	Inner_1RB_Left	22.06	22.79	33	PASS
N25	15	5	DFT-16QAM	L	Inner_1RB_Right	22.08	22.81	33	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	21.42	22.15	33	PASS
N25	15	5	DFT-64QAM	L	Inner_1RB_Left	20.57	21.3	33	PASS
N25	15	5	DFT-64QAM	L	Inner_1RB_Right	20.72	21.45	33	PASS
N25	15	5	DFT-64QAM	L	Outer_Full	20.98	21.71	33	PASS
N25	15	5	DFT-256QAM	L	Inner_1RB_Left	19.16	19.89	33	PASS
N25	15	5	DFT-256QAM	L	Inner_1RB_Right	19.01	19.74	33	PASS
N25	15	5	DFT-256QAM	L	Outer_Full	18.91	19.64	33	PASS
N25	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.43	24.16	33	PASS
N25	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.63	24.36	33	PASS
N25	15	5	DFT-PI2BPSK	M	Outer_Full	23.15	23.88	33	PASS
N25	15	5	DFT-QPSK	M	Inner_1RB_Left	23.33	24.06	33	PASS
N25	15	5	DFT-QPSK	M	Inner_1RB_Right	23.37	24.1	33	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	22.6	23.33	33	PASS
N25	15	5	DFT-16QAM	M	Inner_1RB_Left	22.35	23.08	33	PASS
N25	15	5	DFT-16QAM	M	Inner_1RB_Right	22.45	23.18	33	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	21.52	22.25	33	PASS
N25	15	5	DFT-64QAM	M	Inner_1RB_Left	20.89	21.62	33	PASS
N25	15	5	DFT-64QAM	M	Inner_1RB_Right	20.84	21.57	33	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	21.08	21.81	33	PASS
N25	15	5	DFT-256QAM	M	Inner_1RB_Left	19.4	20.13	33	PASS
N25	15	5	DFT-256QAM	M	Inner_1RB_Right	19.41	20.14	33	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	18.94	19.67	33	PASS
N25	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.15	23.88	33	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

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



Report No.: SEWM2311000473RG02

Rev.: 01

Page: 3 of 94

Table with 10 columns: Test ID, Parameter 1, Parameter 2, Modulation, Mode, Location, Value 1, Value 2, Value 3, Result. Rows include various DFT modulation tests like DFT-PI2BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, and DFT-256QAM.



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.

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

Member of the SGS Group (SGS SA)



N25	15	10	DFT-16QAM	M	Outer_Full	22.76	23.49	33	PASS
N25	15	10	DFT-64QAM	M	Inner_1RB_Left	21.56	22.29	33	PASS
N25	15	10	DFT-64QAM	M	Inner_1RB_Right	21.74	22.47	33	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	20.53	21.26	33	PASS
N25	15	10	DFT-256QAM	M	Inner_1RB_Left	20.16	20.89	33	PASS
N25	15	10	DFT-256QAM	M	Inner_1RB_Right	19.74	20.47	33	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	19.4	20.13	33	PASS
N25	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.4	24.13	33	PASS
N25	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.24	23.97	33	PASS
N25	15	10	DFT-PI2BPSK	H	Outer_Full	23.03	23.76	33	PASS
N25	15	10	DFT-QPSK	H	Inner_1RB_Left	23.23	23.96	33	PASS
N25	15	10	DFT-QPSK	H	Inner_1RB_Right	23.3	24.03	33	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	22.42	23.15	33	PASS
N25	15	10	DFT-16QAM	H	Inner_1RB_Left	22.27	23	33	PASS
N25	15	10	DFT-16QAM	H	Inner_1RB_Right	22.19	22.92	33	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	21.47	22.2	33	PASS
N25	15	10	DFT-64QAM	H	Inner_1RB_Left	20.71	21.44	33	PASS
N25	15	10	DFT-64QAM	H	Inner_1RB_Right	20.91	21.64	33	PASS
N25	15	10	DFT-64QAM	H	Outer_Full	20.84	21.57	33	PASS
N25	15	10	DFT-256QAM	H	Inner_1RB_Left	19.04	19.77	33	PASS
N25	15	10	DFT-256QAM	H	Inner_1RB_Right	19.24	19.97	33	PASS
N25	15	10	DFT-256QAM	H	Outer_Full	18.88	19.61	33	PASS
N25	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.31	24.04	33	PASS
N25	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.25	23.98	33	PASS
N25	15	15	DFT-PI2BPSK	L	Outer_Full	22.93	23.66	33	PASS
N25	15	15	DFT-QPSK	L	Inner_1RB_Left	23.32	24.05	33	PASS
N25	15	15	DFT-QPSK	L	Inner_1RB_Right	23.38	24.11	33	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	22.47	23.2	33	PASS
N25	15	15	DFT-16QAM	L	Inner_1RB_Left	22.24	22.97	33	PASS
N25	15	15	DFT-16QAM	L	Inner_1RB_Right	22.26	22.99	33	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	21.51	22.24	33	PASS
N25	15	15	DFT-64QAM	L	Inner_1RB_Left	20.74	21.47	33	PASS
N25	15	15	DFT-64QAM	L	Inner_1RB_Right	20.78	21.51	33	PASS
N25	15	15	DFT-64QAM	L	Outer_Full	20.94	21.67	33	PASS
N25	15	15	DFT-256QAM	L	Inner_1RB_Left	19.1	19.83	33	PASS
N25	15	15	DFT-256QAM	L	Inner_1RB_Right	19.17	19.9	33	PASS
N25	15	15	DFT-256QAM	L	Outer_Full	18.77	19.5	33	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

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



Table with 10 columns: Item No., Lot No., Sample No., Modulation, Rate, Location, BER, Error Rate, Pass/Fail, and Result. It contains 40 rows of test data for various modulation schemes like DFT-PI2BPSK, DFT-QPSK, and DFT-16QAM.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf... 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



N25	15	20	DFT-16QAM	L	Inner_1RB_Right	22.53	23.26	33	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	22.24	22.97	33	PASS
N25	15	20	DFT-64QAM	L	Inner_1RB_Left	21.42	22.15	33	PASS
N25	15	20	DFT-64QAM	L	Inner_1RB_Right	21.54	22.27	33	PASS
N25	15	20	DFT-64QAM	L	Outer_Full	21.12	21.85	33	PASS
N25	15	20	DFT-256QAM	L	Inner_1RB_Left	19.4	20.13	33	PASS
N25	15	20	DFT-256QAM	L	Inner_1RB_Right	18.89	19.62	33	PASS
N25	15	20	DFT-256QAM	L	Outer_Full	18.69	19.42	33	PASS
N25	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.54	24.27	33	PASS
N25	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.34	24.07	33	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	23.26	23.99	33	PASS
N25	15	20	DFT-QPSK	M	Inner_1RB_Left	23.39	24.12	33	PASS
N25	15	20	DFT-QPSK	M	Inner_1RB_Right	23.3	24.03	33	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	22.61	23.34	33	PASS
N25	15	20	DFT-16QAM	M	Inner_1RB_Left	22.34	23.07	33	PASS
N25	15	20	DFT-16QAM	M	Inner_1RB_Right	22.39	23.12	33	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	21.58	22.31	33	PASS
N25	15	20	DFT-64QAM	M	Inner_1RB_Left	21.05	21.78	33	PASS
N25	15	20	DFT-64QAM	M	Inner_1RB_Right	21.04	21.77	33	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	21.08	21.81	33	PASS
N25	15	20	DFT-256QAM	M	Inner_1RB_Left	19.36	20.09	33	PASS
N25	15	20	DFT-256QAM	M	Inner_1RB_Right	19.27	20	33	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	19.22	19.95	33	PASS
N25	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.38	24.11	33	PASS
N25	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.26	23.99	33	PASS
N25	15	20	DFT-PI2BPSK	H	Outer_Full	23.17	23.9	33	PASS
N25	15	20	DFT-QPSK	H	Inner_1RB_Left	23.3	24.03	33	PASS
N25	15	20	DFT-QPSK	H	Inner_1RB_Right	23.28	24.01	33	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	23.65	24.38	33	PASS
N25	15	20	DFT-16QAM	H	Inner_1RB_Left	22.83	23.56	33	PASS
N25	15	20	DFT-16QAM	H	Inner_1RB_Right	22.74	23.47	33	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	22.65	23.38	33	PASS
N25	15	20	DFT-64QAM	H	Inner_1RB_Left	21.48	22.21	33	PASS
N25	15	20	DFT-64QAM	H	Inner_1RB_Right	21.38	22.11	33	PASS
N25	15	20	DFT-64QAM	H	Outer_Full	21.94	22.67	33	PASS
N25	15	20	DFT-256QAM	H	Inner_1RB_Left	19.54	20.27	33	PASS
N25	15	20	DFT-256QAM	H	Inner_1RB_Right	19.5	20.23	33	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

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
 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.: SEWM2311000473RG02

Rev.: 01

Page: 7 of 94

N25	15	20	DFT-256QAM	H	Outer_Full	18.97	19.7	33	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

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
 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 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Effective (Isotropic) Radiated Power Output Data for MIMO

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant1 (dBm)	Power Ant7 (dBm)	Total Power (dBm)	EIRP (dBm)	Verdict
N25	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	20.52	20.61	23.58	24.31	PASS
N25	15	5	DFT-16QAM	L	Inner_1RB_Left	19.27	19.52	22.41	23.14	PASS
N25	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	20.64	20.69	23.68	24.41	PASS
N25	15	5	DFT-16QAM	M	Inner_1RB_Left	19.40	19.47	22.45	23.18	PASS
N25	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	20.43	20.95	23.71	24.44	PASS
N25	15	5	DFT-16QAM	H	Inner_1RB_Left	19.21	19.73	22.49	23.22	PASS
N25	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	20.51	20.71	23.62	24.35	PASS
N25	15	10	DFT-16QAM	L	Inner_1RB_Left	19.27	19.51	22.40	23.13	PASS
N25	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	20.67	20.84	23.77	24.50	PASS
N25	15	10	DFT-16QAM	M	Inner_1RB_Left	19.41	19.52	22.48	23.21	PASS
N25	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	20.57	20.72	23.66	24.39	PASS
N25	15	10	DFT-16QAM	H	Inner_1RB_Left	19.36	19.54	22.46	23.19	PASS
N25	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	20.47	20.74	23.62	24.35	PASS
N25	15	15	DFT-16QAM	L	Inner_1RB_Left	19.28	19.36	22.33	23.06	PASS
N25	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	20.77	20.69	23.74	24.47	PASS
N25	15	15	DFT-16QAM	M	Inner_1RB_Left	19.52	19.58	22.56	23.29	PASS
N25	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	20.69	20.72	23.72	24.45	PASS
N25	15	15	DFT-16QAM	H	Inner_1RB_Left	19.42	19.55	22.50	23.23	PASS
N25	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	20.56	20.65	23.62	24.35	PASS
N25	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	20.69	20.89	23.80	24.53	PASS
N25	15	20	DFT-PI2BPSK	L	Outer_Full	19.89	20.21	23.06	23.79	PASS
N25	15	20	DFT-QPSK	L	Inner_1RB_Left	20.65	20.71	23.69	24.42	PASS
N25	15	20	DFT-QPSK	L	Inner_1RB_Right	20.77	20.92	23.86	24.59	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	19.77	20.14	22.97	23.70	PASS
N25	15	20	DFT-16QAM	L	Inner_1RB_Left	19.63	19.76	22.71	23.44	PASS
N25	15	20	DFT-16QAM	L	Inner_1RB_Right	19.32	19.47	22.41	23.14	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	18.52	18.83	21.69	22.42	PASS
N25	15	20	DFT-64QAM	L	Inner_1RB_Left	18.20	18.18	21.20	21.93	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
 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.: SEWM2311000473RG02

Rev.: 01

Page: 9 of 94

Table with 11 columns: Test ID, Frequency, Power, Modulation, Bandwidth, Method, Metric 1, Metric 2, Metric 3, Metric 4, Result. Rows include various DFT and DFT-PI2BPSK tests across different modulation schemes and bandwidths.



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.

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

Member of the SGS Group (SGS SA)

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
N25	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	9.62	≤13	PASS
N25	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.26	≤13	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.89	≤13	PASS
N25	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.71	≤13	PASS
N25	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.78	≤13	PASS
N25	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.50	≤13	PASS



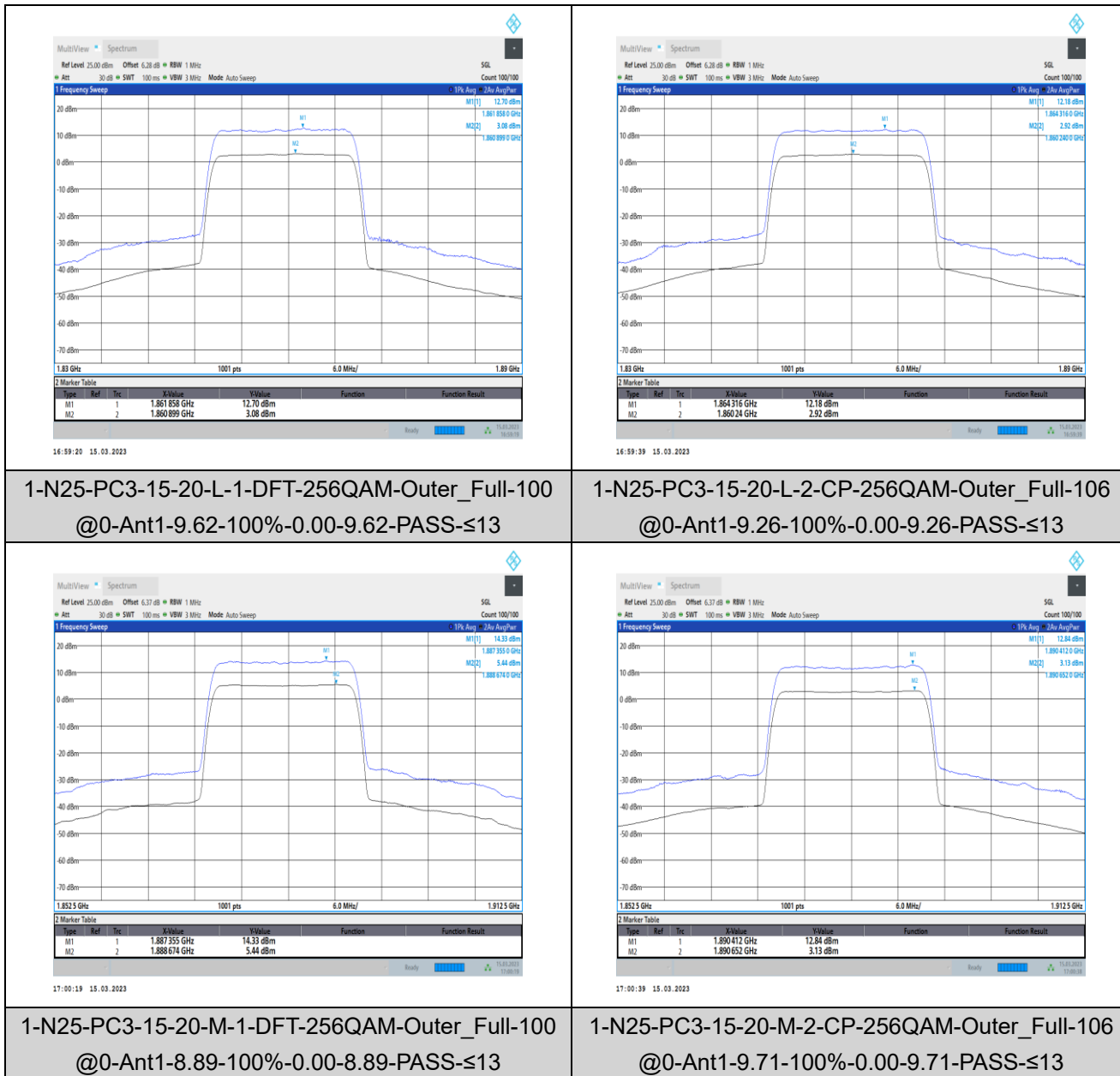
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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, 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号厂房南楼 邮编: 215000

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

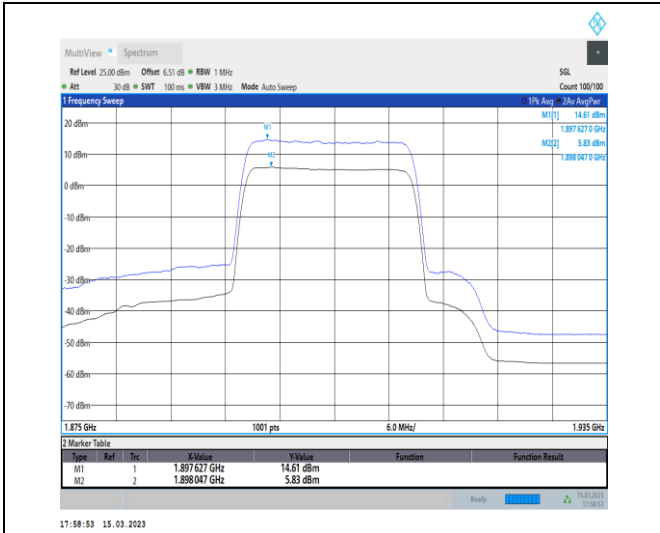
Test Graphs



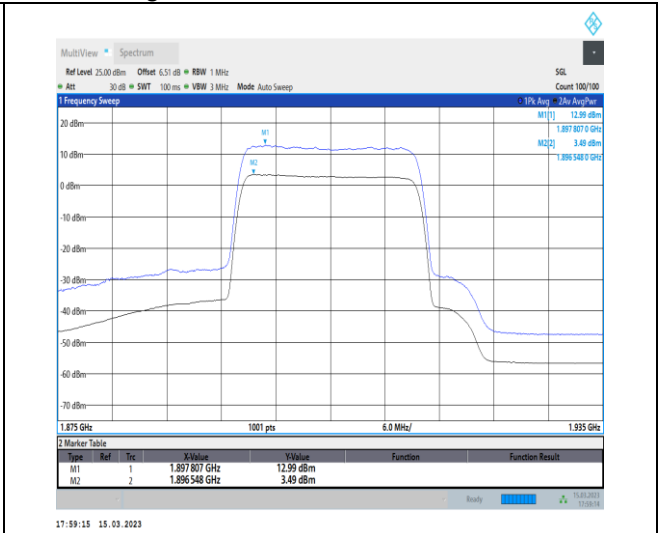
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 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-N25-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100
@0-Ant1-8.78-100%-0.00-8.78-PASS-≤13



1-N25-PC3-15-20-H-2-CP-256QAM-Outer_Full-106
@0-Ant1-9.50-100%-0.00-9.50-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: 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号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	4.485	4.820	PASS
N25	15	5	DFT-PI2BPSK	L	Outer_Full	4.48	4.810	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	4.467	4.810	PASS
N25	15	5	DFT-64QAM	L	Outer_Full	4.473	4.870	PASS
N25	15	5	DFT-256QAM	L	Outer_Full	4.468	4.810	PASS
N25	15	5	CP-QPSK	L	Outer_Full	4.473	5.450	PASS
N25	15	5	CP-16QAM	L	Outer_Full	4.47	4.820	PASS
N25	15	5	CP-64QAM	L	Outer_Full	4.476	4.770	PASS
N25	15	5	CP-256QAM	L	Outer_Full	4.468	4.850	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.485	4.820	PASS
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.475	4.810	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.457	4.820	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.474	4.780	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.473	4.870	PASS
N25	15	5	CP-QPSK	M	Outer_Full	4.467	5.540	PASS
N25	15	5	CP-16QAM	M	Outer_Full	4.475	4.760	PASS
N25	15	5	CP-64QAM	M	Outer_Full	4.486	4.810	PASS
N25	15	5	CP-256QAM	M	Outer_Full	4.459	4.780	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	4.47	4.780	PASS
N25	15	5	DFT-PI2BPSK	H	Outer_Full	4.46	4.800	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	4.461	4.790	PASS
N25	15	5	DFT-64QAM	H	Outer_Full	4.483	4.850	PASS
N25	15	5	DFT-256QAM	H	Outer_Full	4.459	4.840	PASS
N25	15	5	CP-QPSK	H	Outer_Full	4.461	4.860	PASS
N25	15	5	CP-16QAM	H	Outer_Full	4.476	4.810	PASS
N25	15	5	CP-64QAM	H	Outer_Full	4.484	4.790	PASS
N25	15	5	CP-256QAM	H	Outer_Full	4.464	4.830	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	8.94	9.400	PASS
N25	15	10	DFT-PI2BPSK	L	Outer_Full	8.903	9.300	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	8.938	9.360	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

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
 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.: SEWM2311000473RG02

Rev.: 01

Page: 14 of 94

N25	15	10	DFT-64QAM	L	Outer_Full	8.929	9.460	PASS
N25	15	10	DFT-256QAM	L	Outer_Full	8.936	9.460	PASS
N25	15	10	CP-QPSK	L	Outer_Full	9.28	9.740	PASS
N25	15	10	CP-16QAM	L	Outer_Full	9.277	9.760	PASS
N25	15	10	CP-64QAM	L	Outer_Full	9.27	9.760	PASS
N25	15	10	CP-256QAM	L	Outer_Full	9.291	9.760	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.921	9.400	PASS
N25	15	10	DFT-Pi2BPSK	M	Outer_Full	8.948	9.360	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.928	9.420	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.927	9.440	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.932	9.440	PASS
N25	15	10	CP-QPSK	M	Outer_Full	9.289	9.740	PASS
N25	15	10	CP-16QAM	M	Outer_Full	9.277	9.760	PASS
N25	15	10	CP-64QAM	M	Outer_Full	9.298	9.760	PASS
N25	15	10	CP-256QAM	M	Outer_Full	9.271	9.740	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	8.912	9.360	PASS
N25	15	10	DFT-Pi2BPSK	H	Outer_Full	8.891	9.320	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	8.914	9.420	PASS
N25	15	10	DFT-64QAM	H	Outer_Full	8.912	9.360	PASS
N25	15	10	DFT-256QAM	H	Outer_Full	8.915	9.400	PASS
N25	15	10	CP-QPSK	H	Outer_Full	9.27	9.740	PASS
N25	15	10	CP-16QAM	H	Outer_Full	9.271	9.760	PASS
N25	15	10	CP-64QAM	H	Outer_Full	9.247	9.780	PASS
N25	15	10	CP-256QAM	H	Outer_Full	9.268	9.780	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	13.429	14.070	PASS
N25	15	15	DFT-Pi2BPSK	L	Outer_Full	13.414	14.070	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	13.434	14.040	PASS
N25	15	15	DFT-64QAM	L	Outer_Full	13.397	14.070	PASS
N25	15	15	DFT-256QAM	L	Outer_Full	13.44	14.160	PASS
N25	15	15	CP-QPSK	L	Outer_Full	14.143	14.760	PASS
N25	15	15	CP-16QAM	L	Outer_Full	14.109	14.760	PASS
N25	15	15	CP-64QAM	L	Outer_Full	14.078	14.850	PASS
N25	15	15	CP-256QAM	L	Outer_Full	14.142	14.730	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.446	14.130	PASS
N25	15	15	DFT-Pi2BPSK	M	Outer_Full	13.435	14.100	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.433	14.160	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.427	14.070	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

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
 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.: SEWM2311000473RG02

Rev.: 01

Page: 15 of 94

N25	15	15	DFT-256QAM	M	Outer_Full	13.46	14.130	PASS
N25	15	15	CP-QPSK	M	Outer_Full	14.141	14.820	PASS
N25	15	15	CP-16QAM	M	Outer_Full	14.11	14.790	PASS
N25	15	15	CP-64QAM	M	Outer_Full	14.108	14.790	PASS
N25	15	15	CP-256QAM	M	Outer_Full	14.133	14.910	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	13.407	14.130	PASS
N25	15	15	DFT-PI2BPSK	H	Outer_Full	13.423	14.130	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	13.426	14.100	PASS
N25	15	15	DFT-64QAM	H	Outer_Full	13.383	14.160	PASS
N25	15	15	DFT-256QAM	H	Outer_Full	13.434	14.040	PASS
N25	15	15	CP-QPSK	H	Outer_Full	14.079	14.760	PASS
N25	15	15	CP-16QAM	H	Outer_Full	14.093	14.820	PASS
N25	15	15	CP-64QAM	H	Outer_Full	14.083	14.850	PASS
N25	15	15	CP-256QAM	H	Outer_Full	14.106	14.790	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	17.848	18.600	PASS
N25	15	20	DFT-PI2BPSK	L	Outer_Full	17.854	18.520	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	17.863	18.600	PASS
N25	15	20	DFT-64QAM	L	Outer_Full	17.848	18.640	PASS
N25	15	20	DFT-256QAM	L	Outer_Full	17.901	18.640	PASS
N25	15	20	CP-QPSK	L	Outer_Full	18.93	19.840	PASS
N25	15	20	CP-16QAM	L	Outer_Full	18.892	19.680	PASS
N25	15	20	CP-64QAM	L	Outer_Full	18.914	19.760	PASS
N25	15	20	CP-256QAM	L	Outer_Full	18.889	19.680	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.864	18.680	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.885	18.720	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.895	18.680	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	17.881	18.640	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.885	18.680	PASS
N25	15	20	CP-QPSK	M	Outer_Full	18.965	19.760	PASS
N25	15	20	CP-16QAM	M	Outer_Full	18.856	19.720	PASS
N25	15	20	CP-64QAM	M	Outer_Full	18.939	19.720	PASS
N25	15	20	CP-256QAM	M	Outer_Full	18.948	19.720	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	17.856	18.680	PASS
N25	15	20	DFT-PI2BPSK	H	Outer_Full	17.862	18.560	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	17.874	18.640	PASS
N25	15	20	DFT-64QAM	H	Outer_Full	17.871	18.520	PASS
N25	15	20	DFT-256QAM	H	Outer_Full	17.84	18.720	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

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
 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

Member of the SGS Group (SGS SA)



Report No.: SEWM2311000473RG02

Rev.: 01

Page: 16 of 94

N25	15	20	CP-QPSK	H	Outer_Full	18.949	19.760	PASS
N25	15	20	CP-16QAM	H	Outer_Full	18.865	19.760	PASS
N25	15	20	CP-64QAM	H	Outer_Full	18.893	19.720	PASS
N25	15	20	CP-256QAM	H	Outer_Full	18.929	19.840	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.

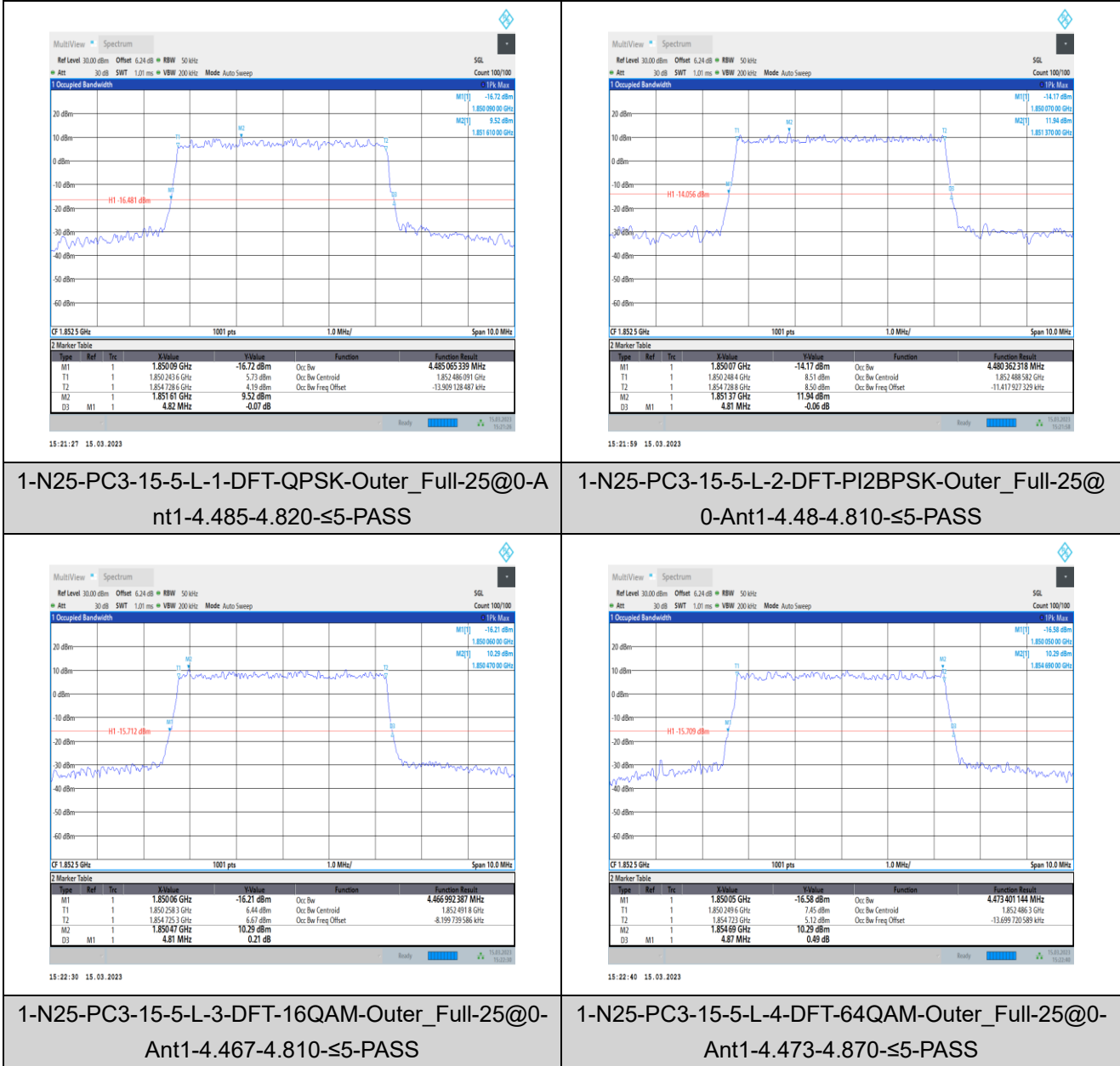
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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 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号厂房南面 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

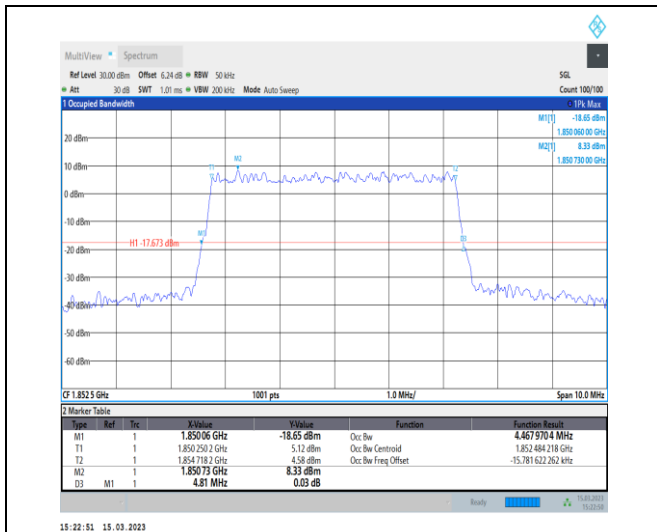
Test Graphs



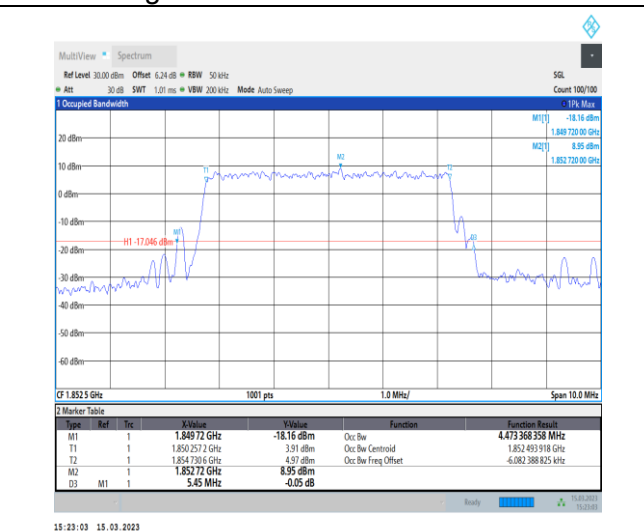
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com

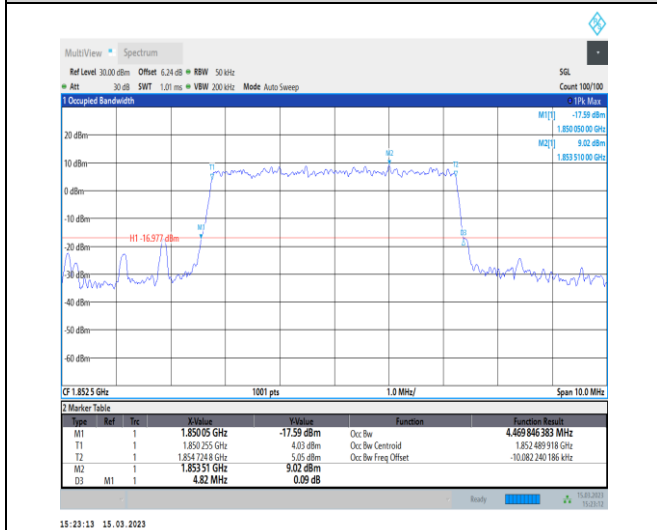
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



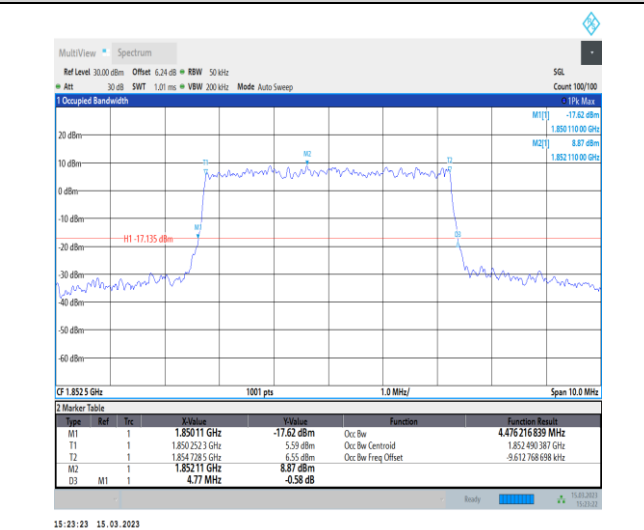
1-N25-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.468-4.810-≤5-PASS



1-N25-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-An t1-4.473-5.450-≤5-PASS



1-N25-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.47-4.820-≤5-PASS



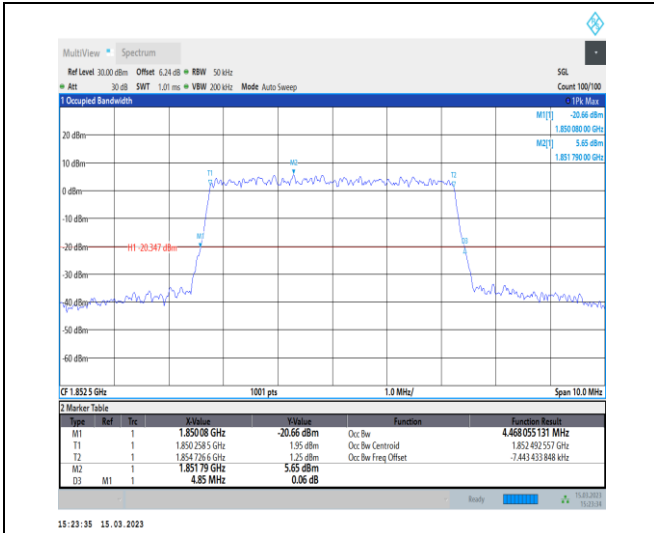
1-N25-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-A nt1-4.476-4.770-≤5-PASS



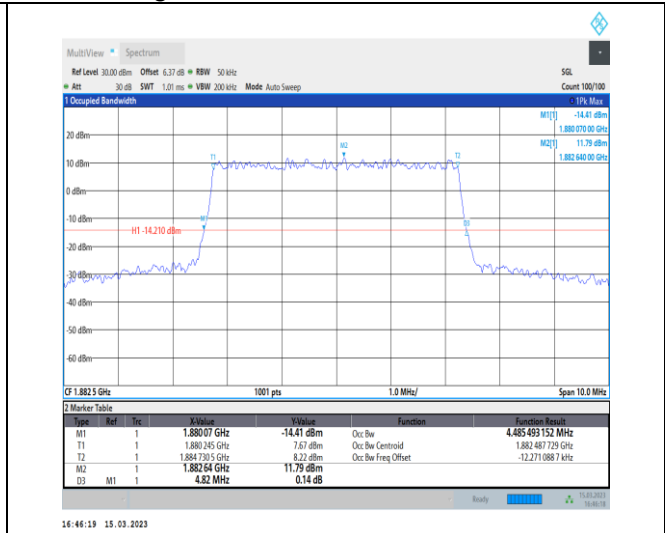
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com

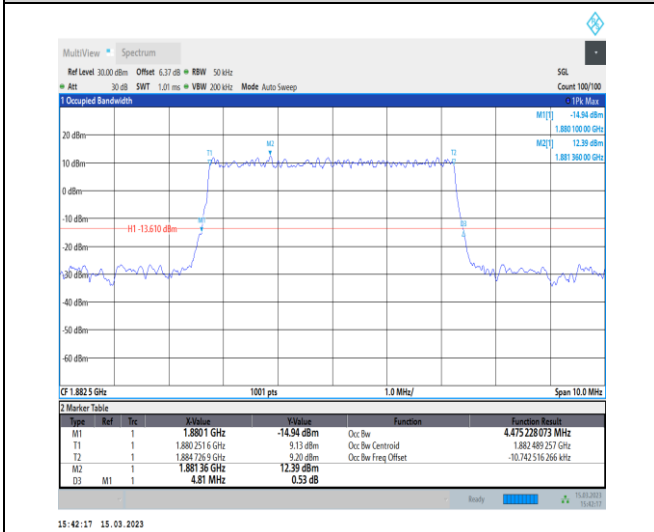
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



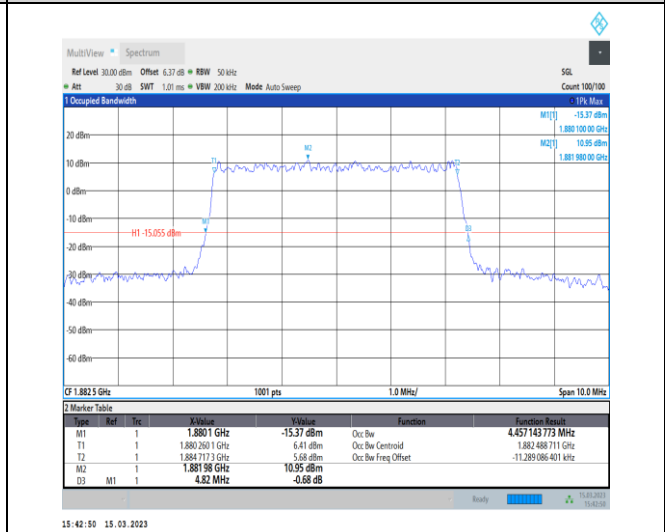
1-N25-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.468-4.850-≤5-PASS



1-N25-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.485-4.820-≤5-PASS



1-N25-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.475-4.810-≤5-PASS



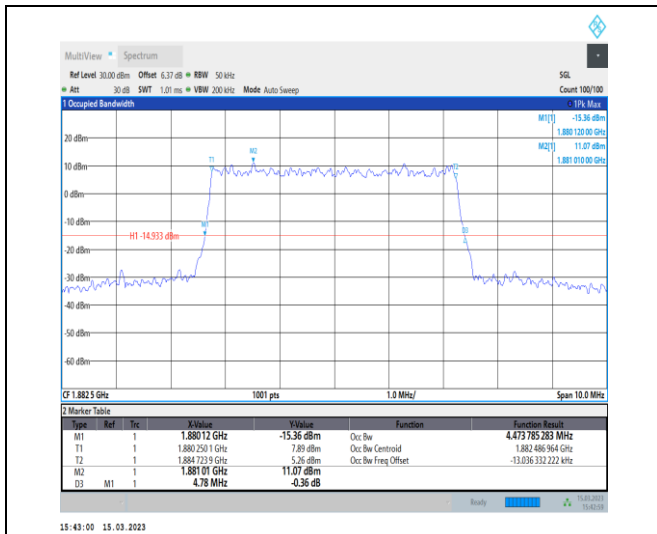
1-N25-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.457-4.820-≤5-PASS



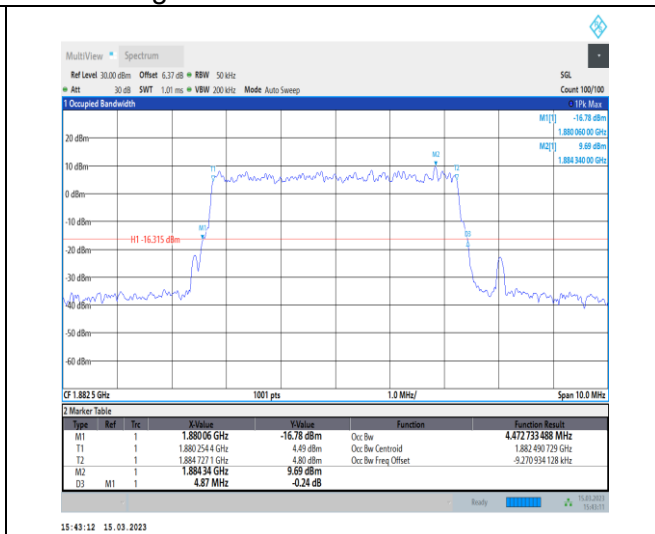
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com

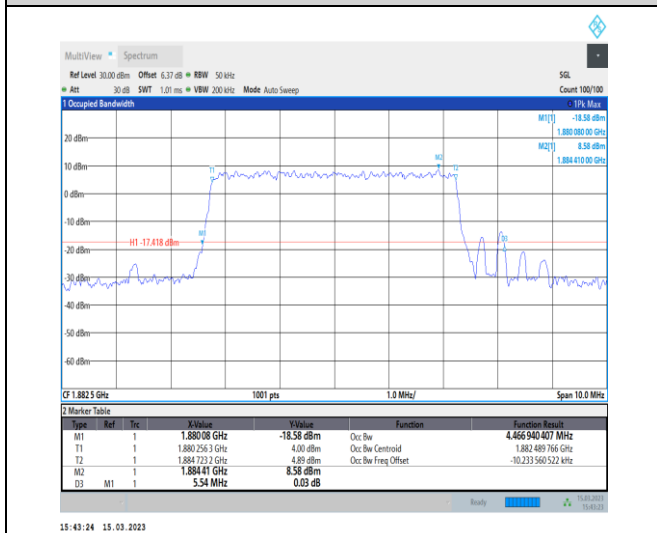
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



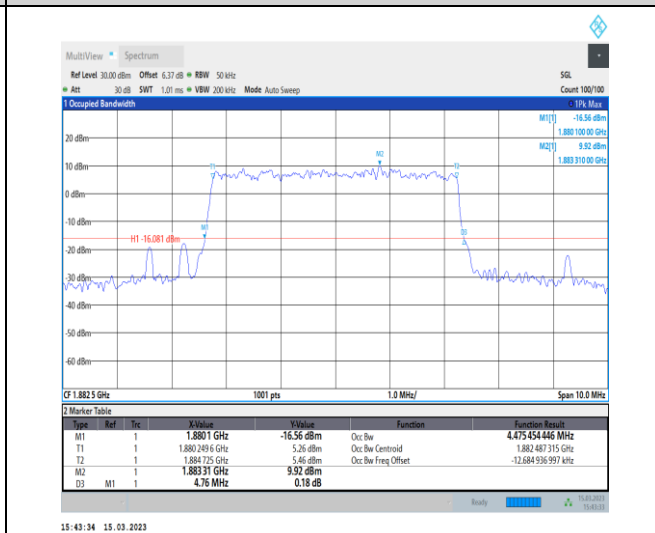
1-N25-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.474-4.780-≤5-PASS



1-N25-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.473-4.870-≤5-PASS



1-N25-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.467-5.540-≤5-PASS



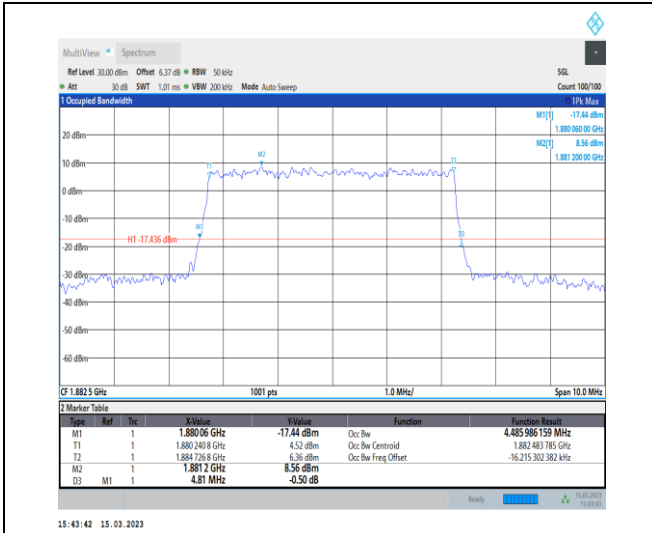
1-N25-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.475-4.760-≤5-PASS



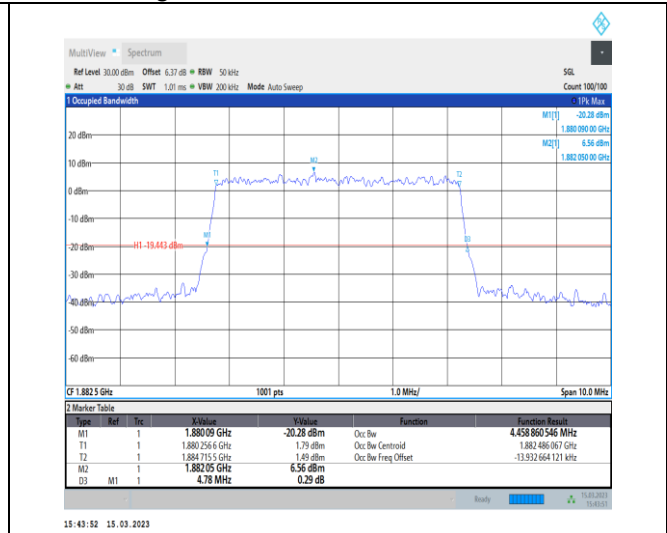
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: CN.Doccheck@sgs.com

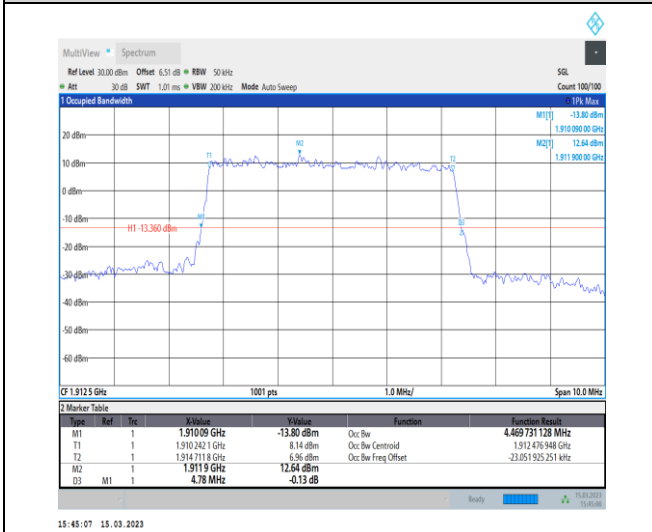
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



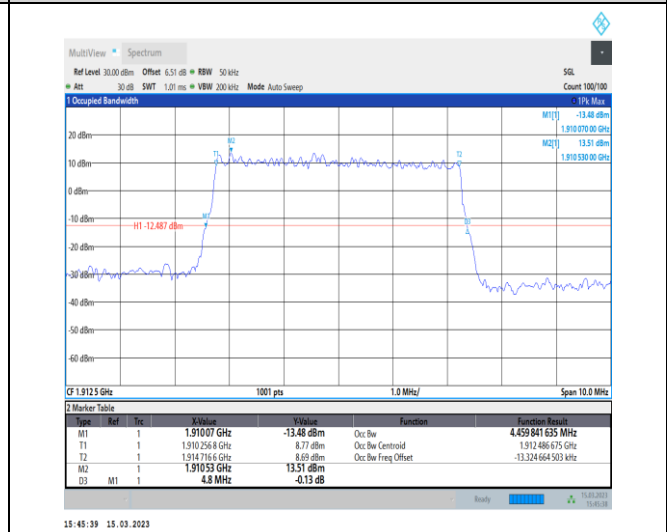
1-N25-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.486-4.810-≤5-PASS



1-N25-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.459-4.780-≤5-PASS



1-N25-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.47-4.780-≤5-PASS



1-N25-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.46-4.800-≤5-PASS



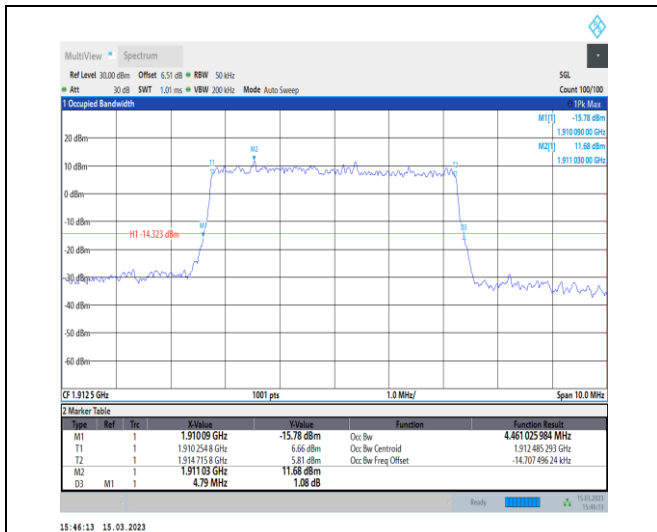
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com

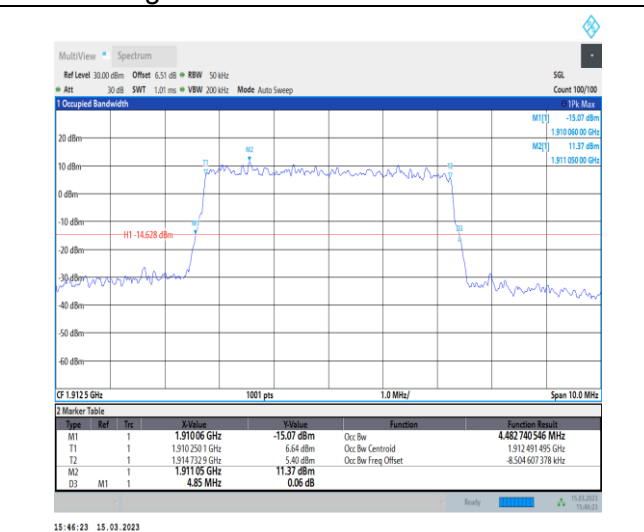
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

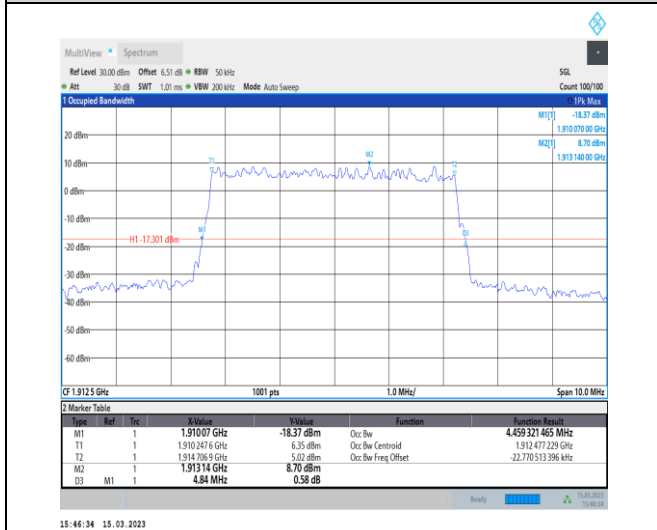
Member of the SGS Group (SGS SA)



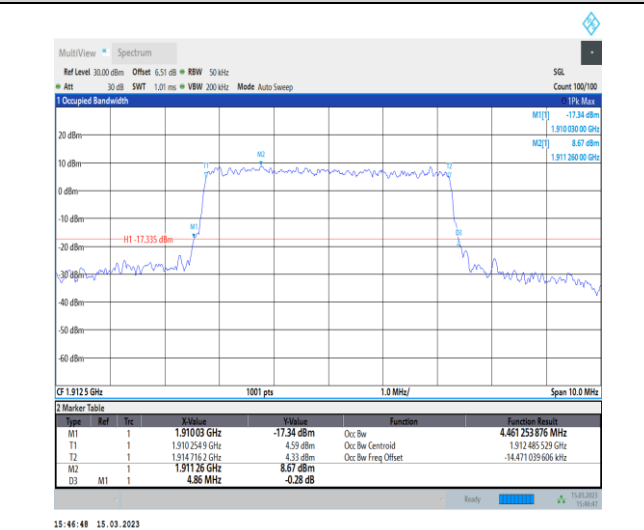
1-N25-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0
 -Ant1-4.461-4.790-≤5-PASS



1-N25-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-
 Ant1-4.483-4.850-≤5-PASS



1-N25-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@
 0-Ant1-4.459-4.840-≤5-PASS



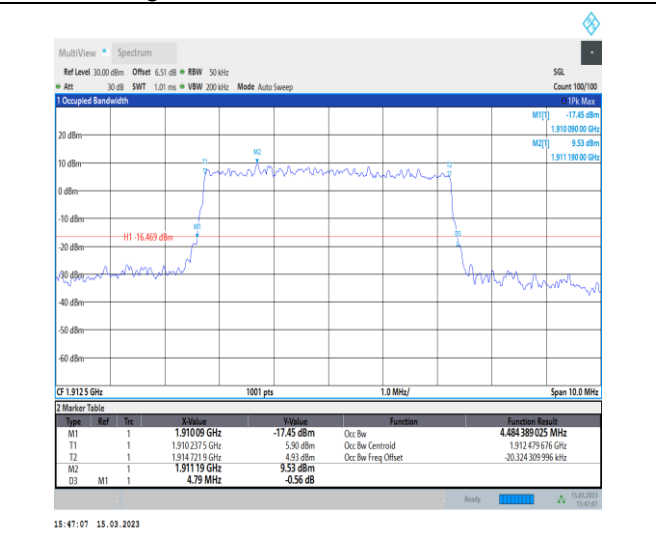
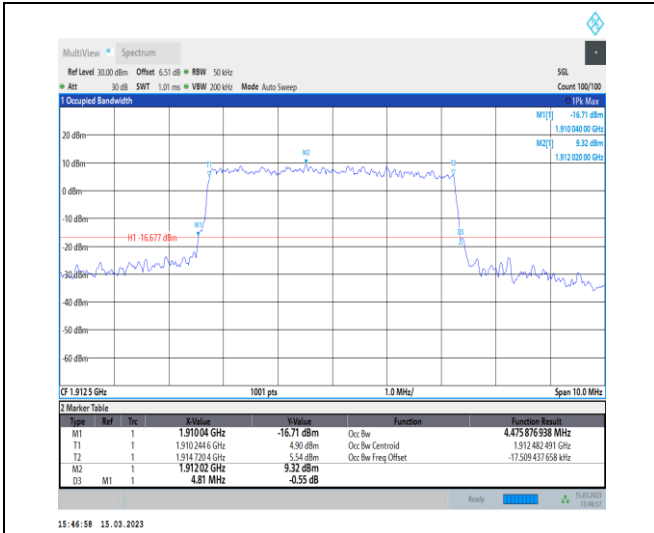
1-N25-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-A
 nt1-4.461-4.860-≤5-PASS



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.

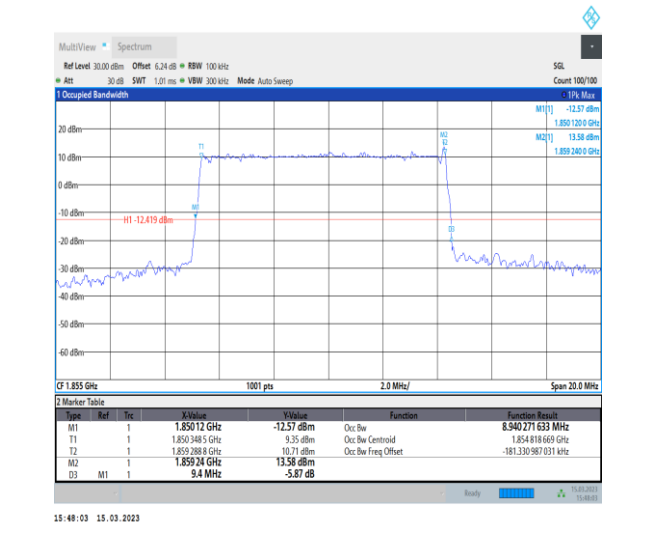
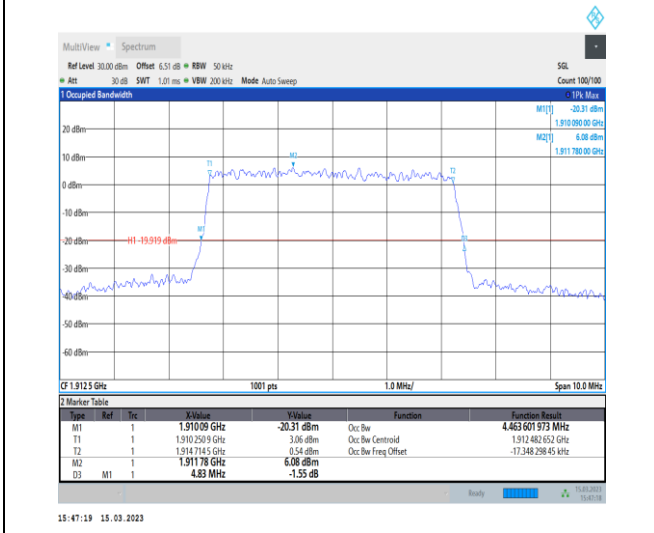
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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.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-N25-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.476-4.810-≤5-PASS

1-N25-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.484-4.790-≤5-PASS



1-N25-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.464-4.830-≤5-PASS

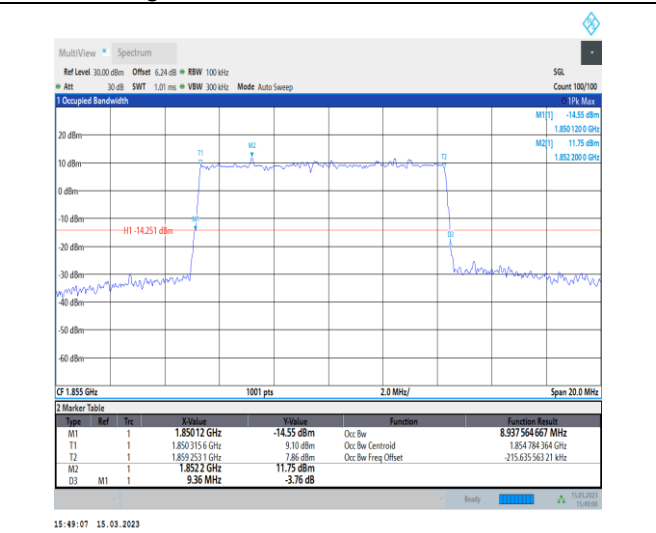
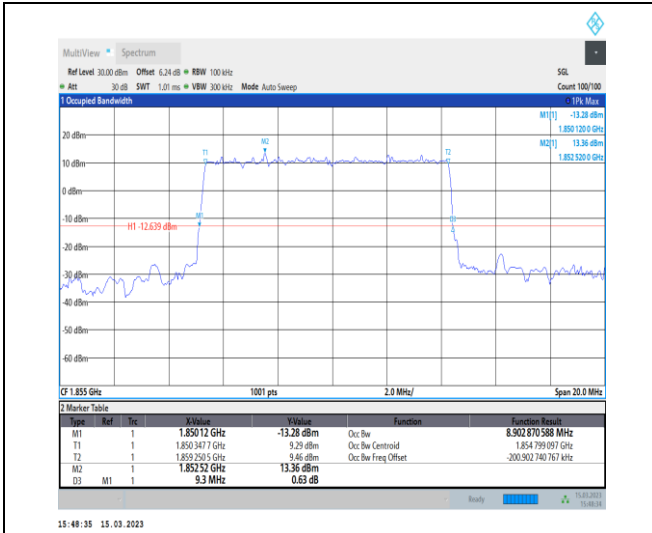
1-N25-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.94-9.400-≤10-PASS



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.

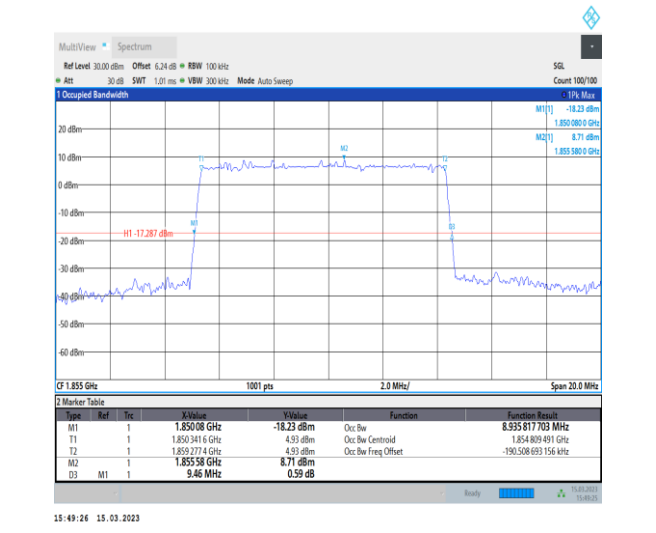
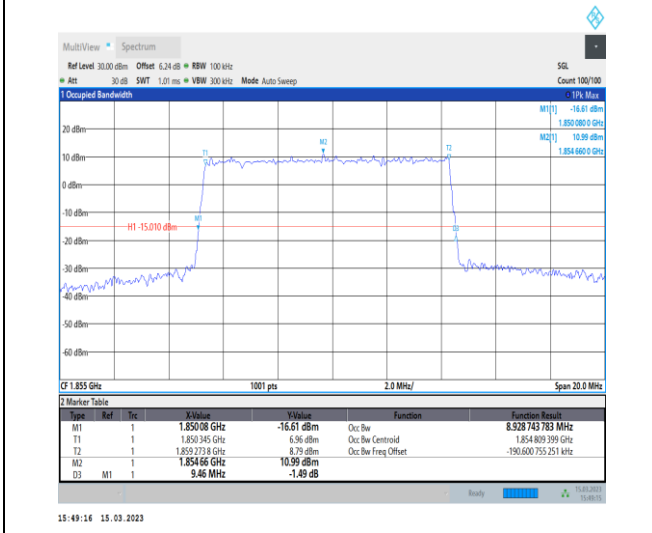
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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.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-N25-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50 @0-Ant1-8.903-9.300-≤10-PASS

1-N25-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50 @0-Ant1-8.938-9.360-≤10-PASS



1-N25-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50 @0-Ant1-8.929-9.460-≤10-PASS

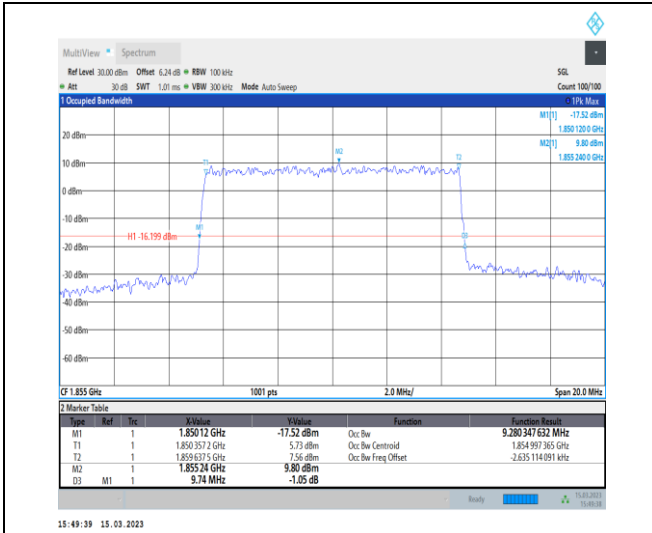
1-N25-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50 @0-Ant1-8.936-9.460-≤10-PASS



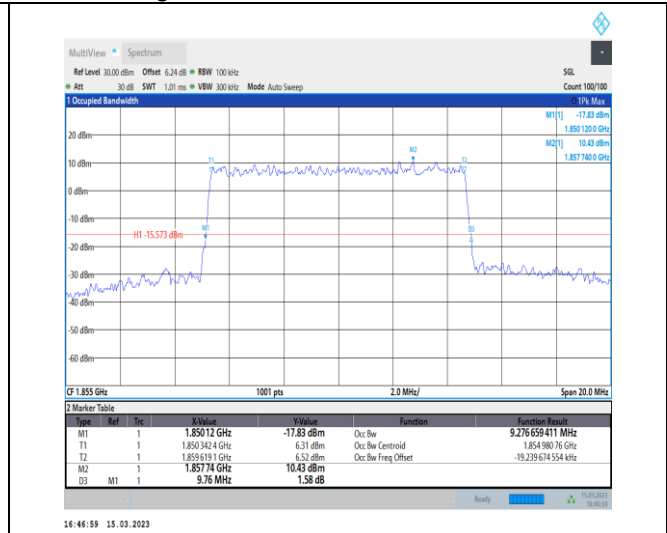
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com

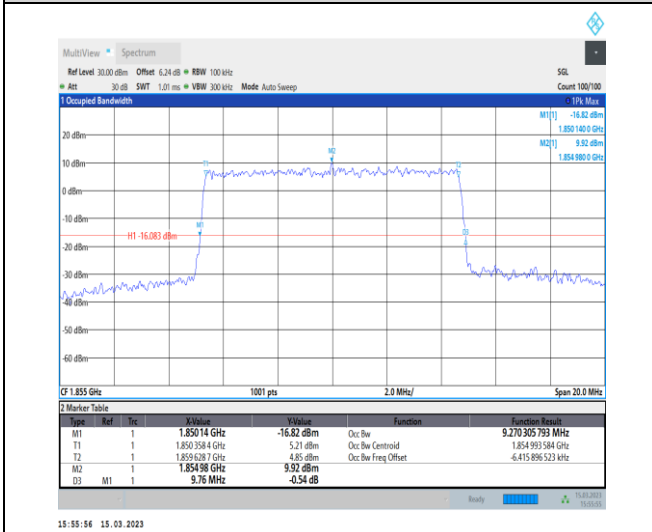
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



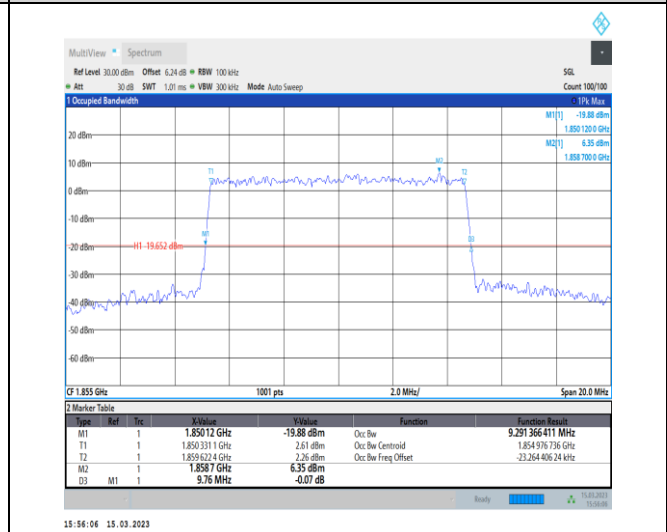
1-N25-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.28-9.740-≤10-PASS



1-N25-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.277-9.760-≤10-PASS



1-N25-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.27-9.760-≤10-PASS



1-N25-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.291-9.760-≤10-PASS



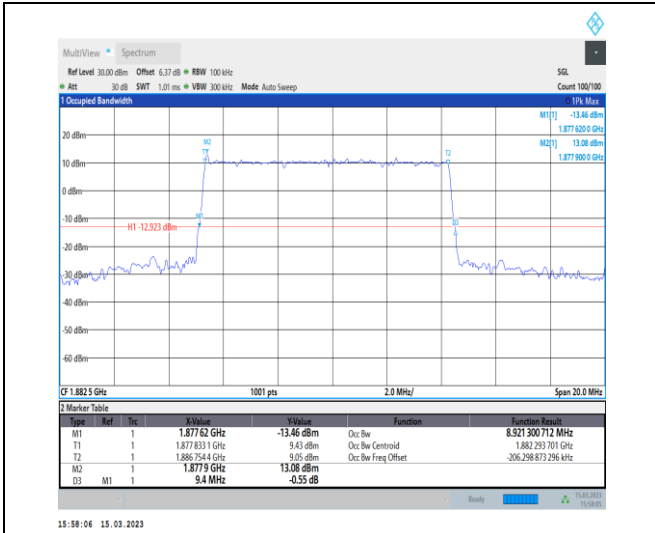
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com

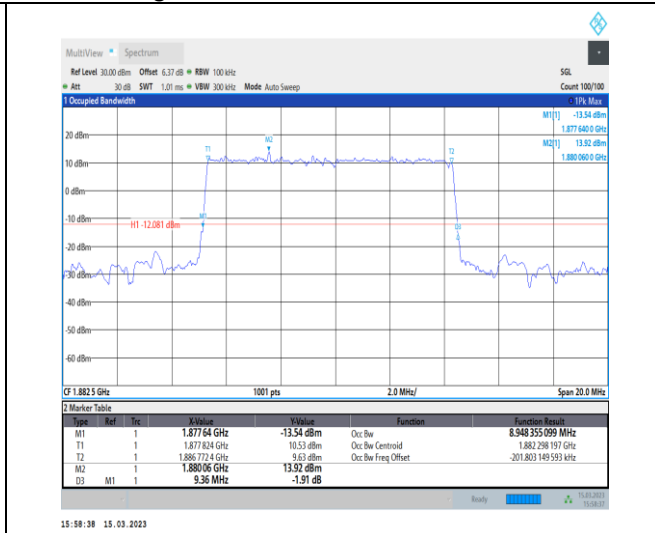
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

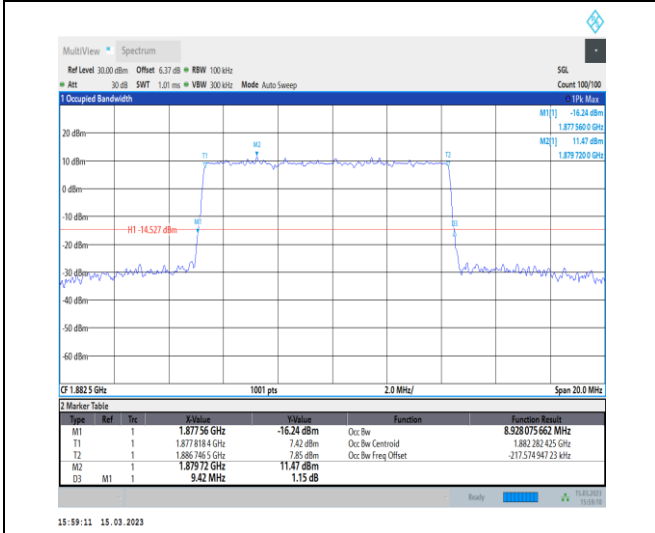
Member of the SGS Group (SGS SA)



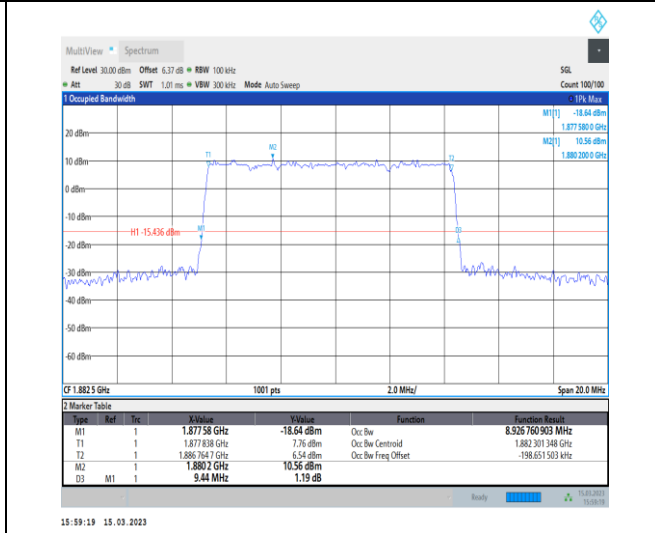
1-N25-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0
 -Ant1-8.921-9.400-≤10-PASS



1-N25-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50
 @0-Ant1-8.948-9.360-≤10-PASS



1-N25-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@
 0-Ant1-8.928-9.420-≤10-PASS



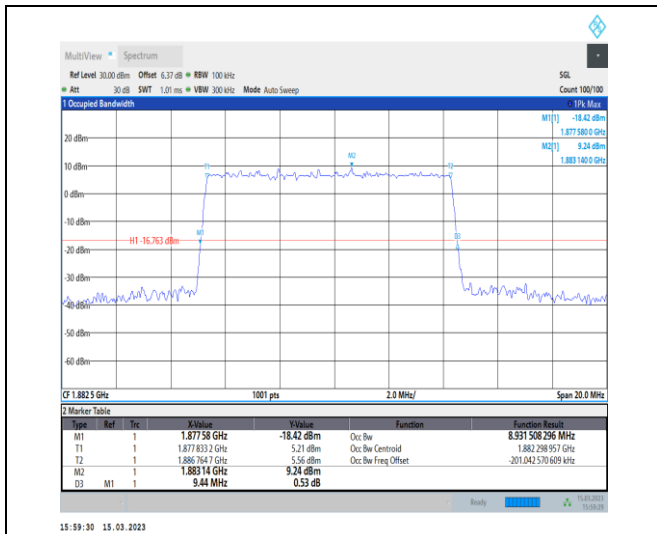
1-N25-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@
 0-Ant1-8.927-9.440-≤10-PASS



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: CN.Doccheck@sgs.com

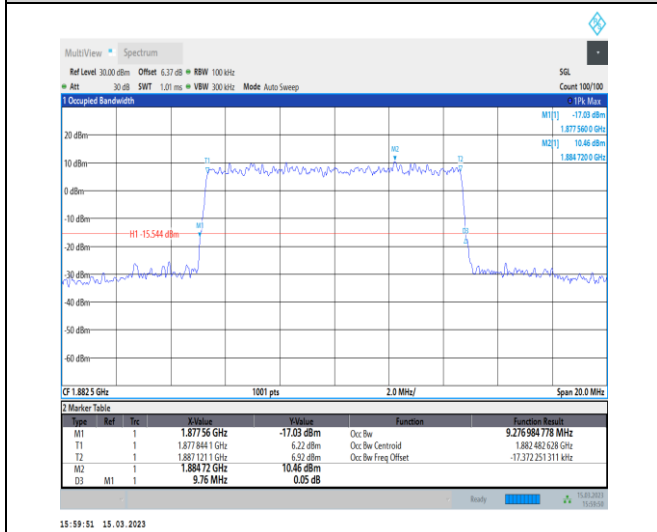
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



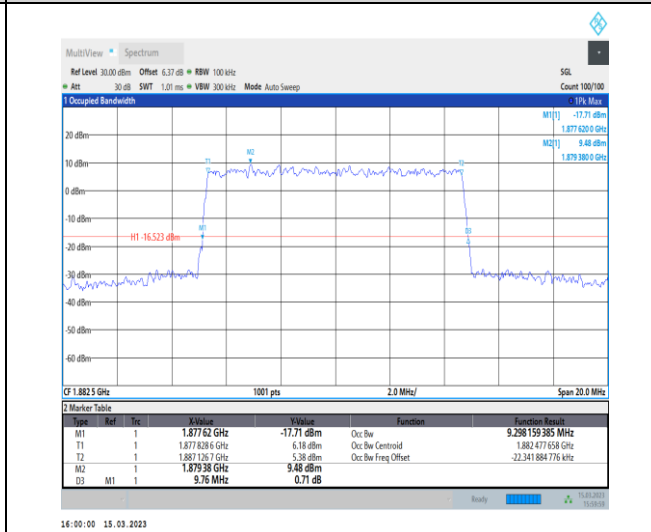
1-N25-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.932-9.440-≤10-PASS



1-N25-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.289-9.740-≤10-PASS



1-N25-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.277-9.760-≤10-PASS



1-N25-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.298-9.760-≤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) 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.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