

Report No.: SUAR/2021/C000302
Rev.: 01
Page: 1 of 63

Appendix



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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT1:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.95	19.1	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.9	19.05	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.9	18.05	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	25	19.15	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	24.89	19.04	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.92	18.07	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	24.07	18.22	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.88	18.03	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.93	17.08	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	22.38	16.53	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	22.31	16.46	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	22.42	16.57	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	20.49	14.64	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	20.34	14.49	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	20.38	14.53	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.88	19.03	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	24.89	19.04	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.88	18.03	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	24.88	19.03	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	24.87	19.02	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.89	18.04	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.89	18.04	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	23.83	17.98	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.89	17.04	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	22.41	16.56	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	22.31	16.46	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	22.42	16.57	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	20.34	14.49	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	20.34	14.49	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	20.37	14.52	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	24.84	18.99	38.45	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, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	24.69	18.84	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.73	17.88	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	24.85	19	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	24.75	18.9	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.77	17.92	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.94	18.09	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.86	18.01	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.79	16.94	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	22.4	16.55	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	22.28	16.43	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	22.24	16.39	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	20.4	14.55	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	20.17	14.32	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	20.26	14.41	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.96	19.11	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	24.84	18.99	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.94	18.09	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	24.98	19.13	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	24.9	19.05	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.92	18.07	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	24.04	18.19	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.86	18.01	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.94	17.09	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	22.55	16.7	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	22.42	16.57	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	22.44	16.59	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	20.46	14.61	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	20.44	14.59	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	20.43	14.58	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.87	19.02	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	24.81	18.96	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.95	18.1	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	24.89	19.04	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	24.84	18.99	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.95	18.1	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.87	18.02	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	23.83	17.98	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	22.95	17.1	38.45	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, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

N5	15	10	DFT-64QAM	M	Inner_1RB_Left	22.34	16.49	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	22.33	16.48	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	22.48	16.63	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	20.44	14.59	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	20.34	14.49	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	20.44	14.59	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.85	19	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24.75	18.9	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.9	18.05	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	24.83	18.98	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	24.77	18.92	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.92	18.07	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	23.89	18.04	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.66	17.81	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.89	17.04	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	22.37	16.52	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	22.32	16.47	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	22.42	16.57	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	20.48	14.63	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	20.29	14.44	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	20.37	14.52	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	24.99	19.14	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	24.96	19.11	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	24.18	18.33	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	24.99	19.14	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	24.95	19.1	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	24.09	18.24	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	24.16	18.31	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	23.98	18.13	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	23.18	17.33	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	22.46	16.61	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	22.53	16.68	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	22.69	16.84	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	20.45	14.6	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	20.46	14.61	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	20.66	14.81	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	25	19.15	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	24.89	19.04	38.45	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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

N5	15	15	DFT-PI2BPSK	M	Outer_Full	24.07	18.22	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	25.01	19.16	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	24.8	18.95	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	24.08	18.23	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	24.01	18.16	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	23.93	18.08	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	23.1	17.25	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	22.49	16.64	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	22.38	16.53	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	22.57	16.72	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	20.49	14.64	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	20.4	14.55	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	20.56	14.71	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	24.98	19.13	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	24.88	19.03	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.98	18.13	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	25.03	19.18	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	24.8	18.95	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.98	18.13	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.93	18.08	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.9	18.05	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.99	17.14	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	22.4	16.55	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	22.27	16.42	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	22.5	16.65	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	20.56	14.71	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	20.34	14.49	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	20.45	14.6	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	25	19.15	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.93	19.08	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	24.13	18.28	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	25.02	19.17	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	24.9	19.05	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	24.13	18.28	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	24.02	18.17	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.95	18.1	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	23.13	17.28	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	22.52	16.67	38.45	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, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

N5	15	20	DFT-64QAM	L	Inner_1RB_Right	22.51	16.66	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	22.65	16.8	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	20.57	14.72	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	20.35	14.5	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.6	14.75	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	25.03	19.18	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.83	18.98	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	24.08	18.23	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	25.05	19.2	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	24.85	19	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	24.07	18.22	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.97	18.12	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	23.72	17.87	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	23.08	17.23	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	22.44	16.59	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	22.24	16.39	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.59	16.74	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	20.6	14.75	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	20.37	14.52	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	20.55	14.7	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.97	19.12	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.74	18.89	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.97	18.12	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	24.98	19.13	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	24.76	18.91	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.99	18.14	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	23.97	18.12	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.81	17.96	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.99	17.14	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	22.54	16.69	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	22.29	16.44	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	22.47	16.62	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	20.47	14.62	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	20.2	14.35	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	20.46	14.61	38.45	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, Pansheng 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海胜路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

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Duty Cycle	Factor	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	7.89	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	8.13	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	7.48	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	8.31	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	7.83	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	8.30	≤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

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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Graphs



1-N5-15-20-L-1-DFT-256QAM-Outer_Full-100@0-An
 t0-7.89-100%-0.00-7.89-PASS-≤13



1-N5-15-20-L-2-CP-256QAM-Outer_Full-106@0-Ant
 0-8.13-100%-0.00-8.13-PASS-≤13



1-N5-15-20-M-1-DFT-256QAM-Outer_Full-100@0-A
 nt0-7.48-100%-0.00-7.48-PASS-≤13



1-N5-15-20-M-2-CP-256QAM-Outer_Full-106@0-Ant
 t0-8.31-100%-0.00-8.31-PASS-≤13





1-N5-15-20-H-1-DFT-256QAM-Outer_Full-100@0-An
t0-7.83-100%-0.00-7.83-PASS-≤13



1-N5-15-20-H-2-CP-256QAM-Outer_Full-106@0-An
t0-8.30-100%-0.00-8.30-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

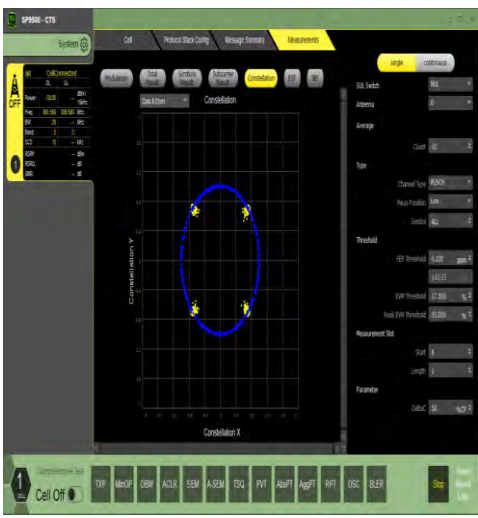
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Modulation characteristics for SA

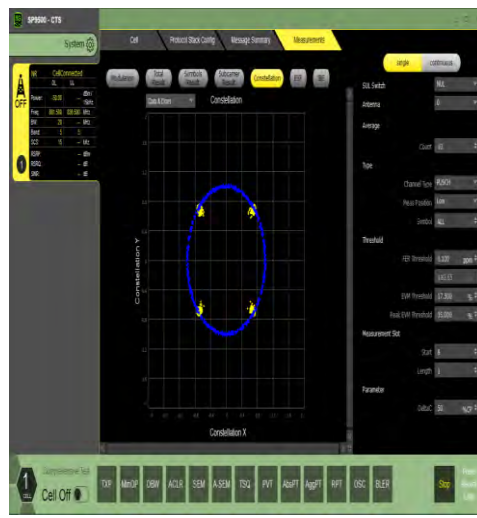
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-256QAM	M	Outer_Full	see graph	PASS

Test Graphs



1-N5-15-20-M-1-DFT-PI2BPSK-Outer_Full-100@0-A
nt0-see graph-PASS



1-N5-15-20-M-2-DFT-QPSK-Outer_Full-100@0-Ant
0-see graph-PASS

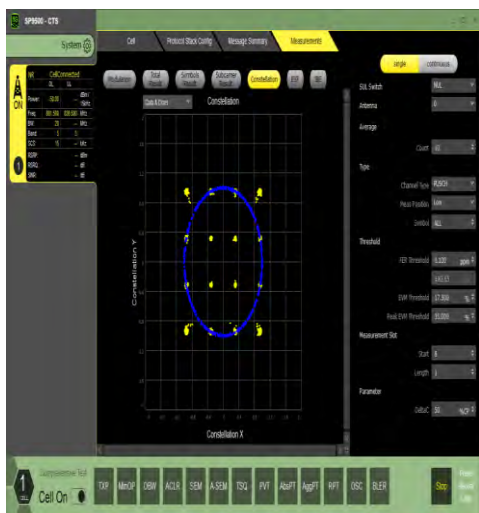


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

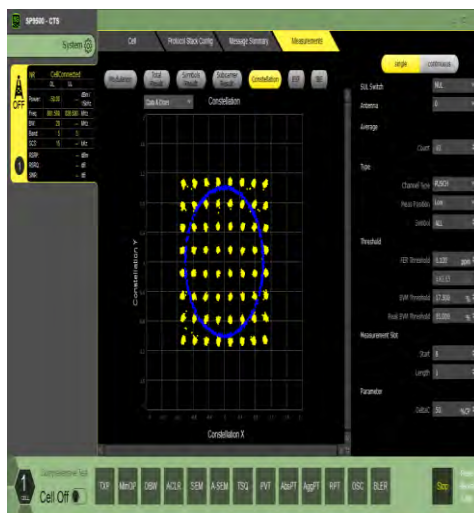
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

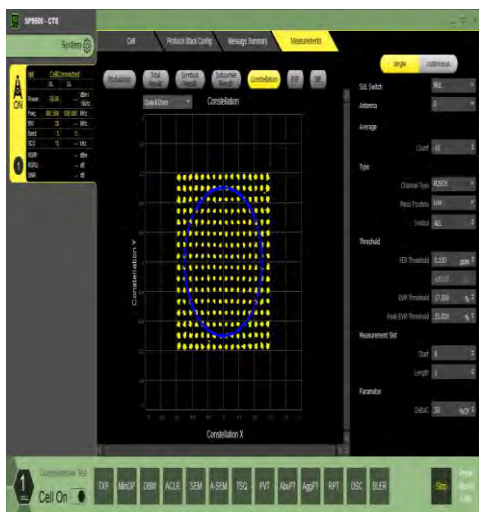
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



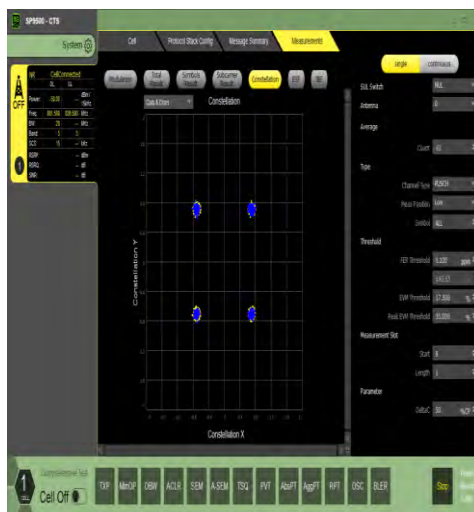
1-N5-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant
 0-see graph-PASS



1-N5-15-20-M-4-DFT-64QAM-Outer_Full-100@0-An
 t0-see graph-PASS



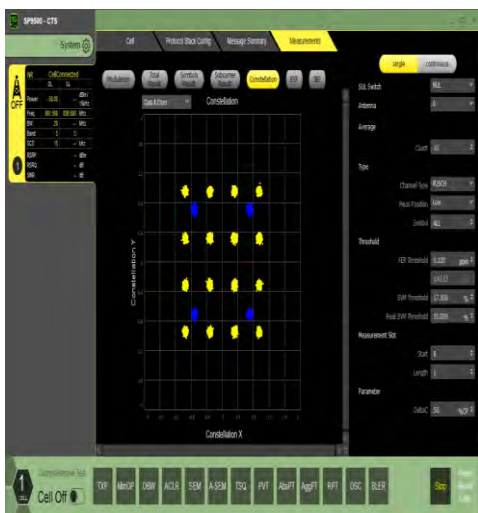
1-N5-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant
 t0-see graph-PASS



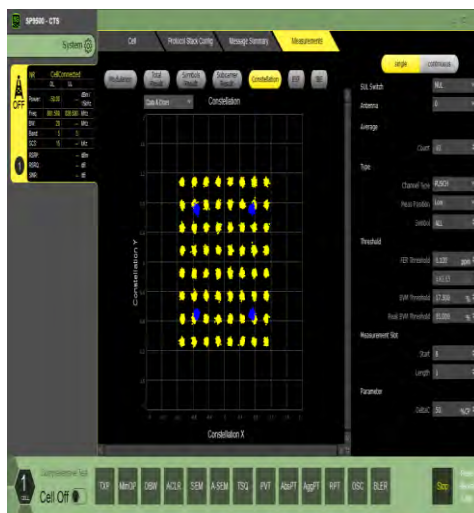
1-N5-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant0
 -see graph-PASS



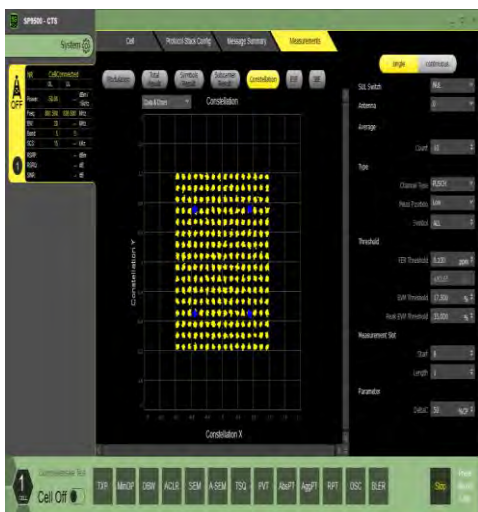
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: (86-795) 83071443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N5-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant0-see graph-PASS



1-N5-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant 0-see graph-PASS



1-N5-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant 0-see graph-PASS



26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	4.4756	4.850	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.4707	4.868	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.4757	4.911	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.4696	4.901	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.4708	4.847	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.4632	4.945	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.4666	4.910	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.4699	4.906	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.4684	4.863	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.4806	4.919	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.4755	4.893	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.4866	4.870	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.4724	4.917	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.4739	4.914	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.4591	4.911	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.4748	4.940	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.4717	4.843	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.4660	4.853	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.4739	4.866	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.4803	4.875	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.4795	4.863	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.4812	4.888	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.4777	4.904	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.4679	4.935	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.4604	4.891	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.4590	4.871	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.4725	4.880	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.9298	9.485	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	8.9180	9.463	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.9222	9.568	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	8.9185	9.503	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.9217	9.469	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, Pansheng 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海胜路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



Report No.: SUAR/2021/C000302

Rev.: 01

Page: 14 of 63

N5	15	10	CP-QPSK	L	Outer_Full	9.2809	9.956	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.2692	9.867	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.2734	9.908	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.2717	9.835	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.9265	9.472	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.9328	9.482	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.9109	9.450	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.9231	9.506	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.9232	9.466	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.2722	9.957	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.2775	9.909	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.2915	9.923	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.2807	9.892	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.8995	9.532	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.9028	9.562	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.9109	9.434	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.9212	9.545	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.9076	9.547	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.2682	9.936	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.2503	9.843	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.2705	9.863	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.2637	9.838	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.386	14.18	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.415	14.16	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.390	14.10	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.403	14.14	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.398	14.08	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.092	14.83	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.094	14.87	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.089	14.83	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.116	14.84	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.391	14.15	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.397	14.16	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.413	14.18	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.411	14.17	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.394	14.19	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.097	14.84	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.129	14.86	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, Pansheng 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海胜路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



Report No.: SUAR/2021/C000302

Rev.: 01

Page: 15 of 63

N5	15	15	CP-64QAM	M	Outer_Full	14.112	14.86	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.100	14.79	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.372	14.13	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.406	14.14	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.392	14.15	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.382	14.15	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.394	14.15	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.085	14.85	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.094	14.84	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.076	14.83	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.065	14.88	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.862	18.70	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.874	18.67	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.862	18.73	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.840	18.73	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.875	18.73	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.936	19.81	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.926	19.77	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.940	19.87	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.902	19.76	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.822	18.71	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.848	18.77	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.843	18.68	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.840	18.63	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.862	18.67	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.890	19.93	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.899	19.77	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.910	19.79	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.870	19.79	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.836	18.68	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.829	18.67	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.840	18.73	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.847	18.68	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.852	18.68	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.871	20.08	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.869	19.75	PASS
N5	15	20	CP-64QAM	H	Outer_Full	18.894	19.80	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.908	19.74	PASS

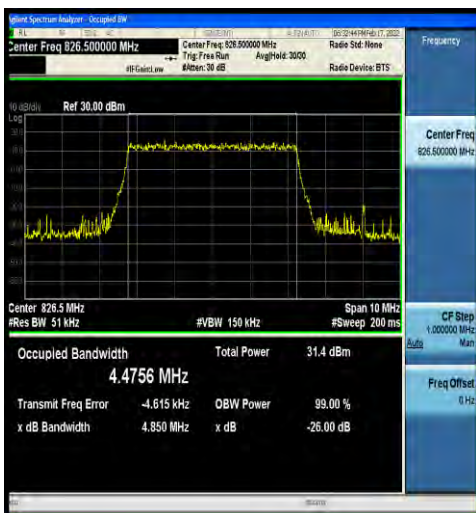


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

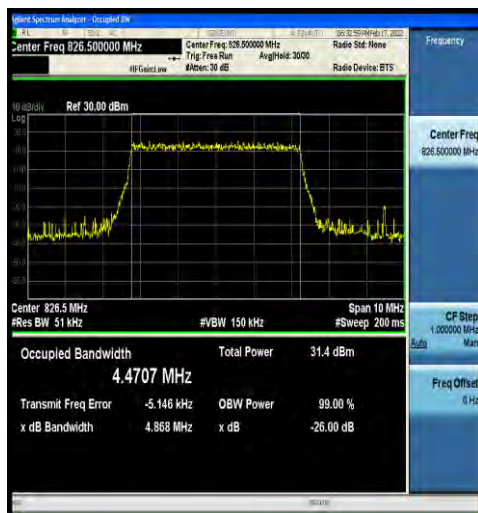
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

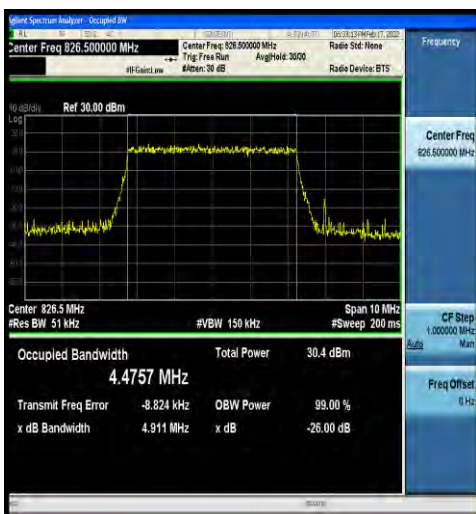
Test Graphs



1-N5-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.
 4756-4.850-≤5-PASS



1-N5-15-5-L-2-DFT-P12BPSK-Outer_Full-25@0-Ant0
 -4.4707-4.868-≤5-PASS

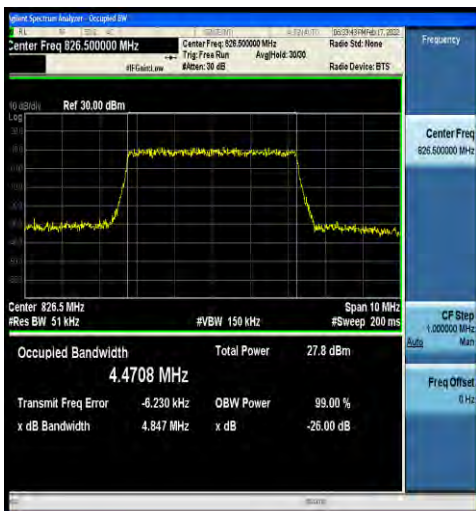


1-N5-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant0-
 4.4757-4.911-≤5-PASS

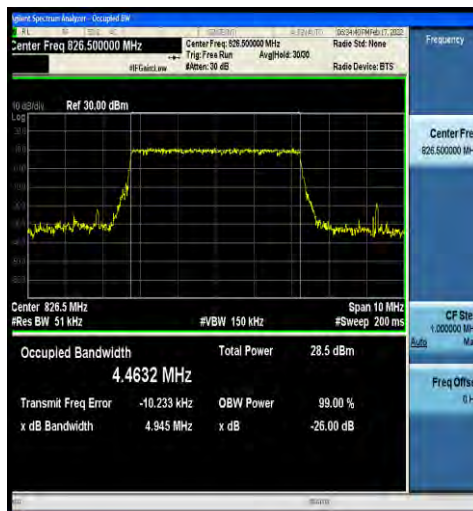


1-N5-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant0-4
 .4696-4.901-≤5-PASS

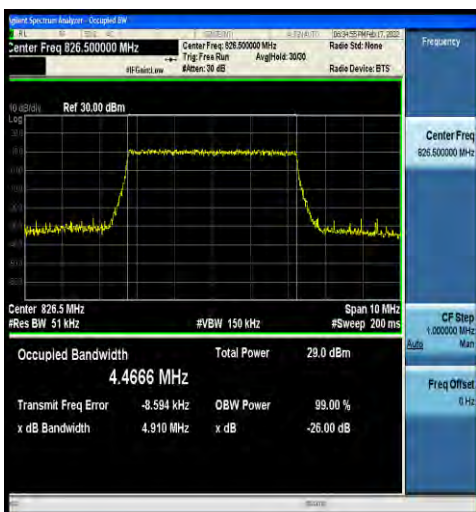




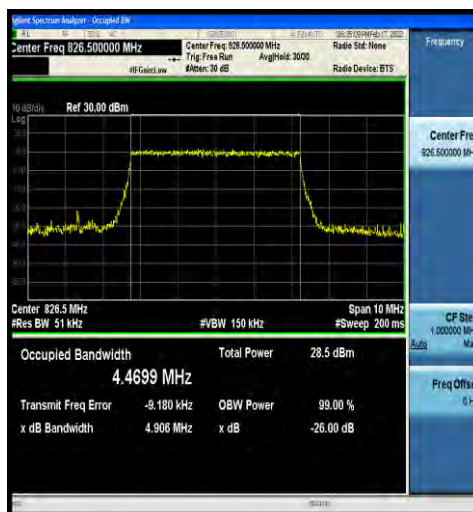
1-N5-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant0
 -4.4708-4.847-≤5-PASS



1-N5-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant0-4.4
 632-4.945-≤5-PASS

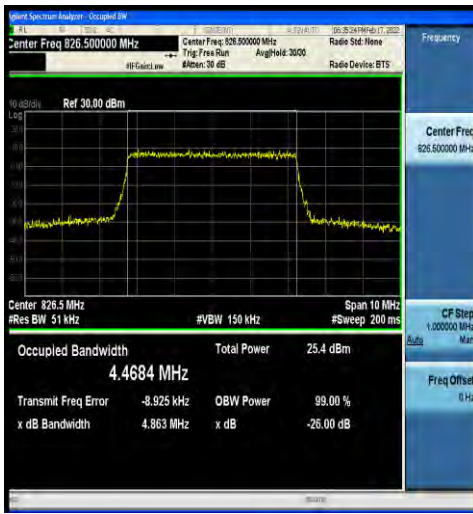


1-N5-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant0-4.
 4666-4.910-≤5-PASS

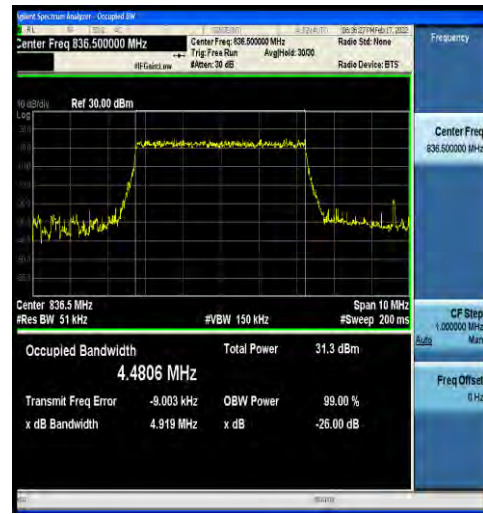


1-N5-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant0-4.
 4699-4.906-≤5-PASS

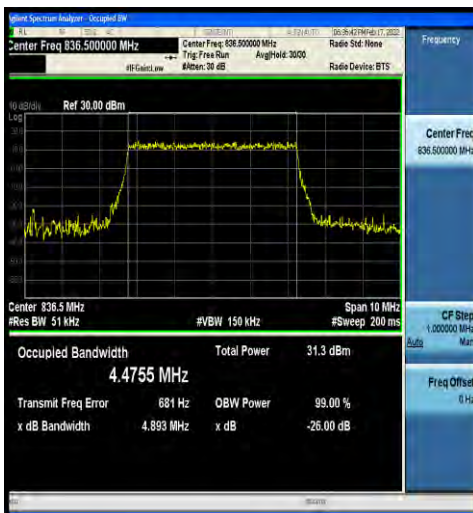




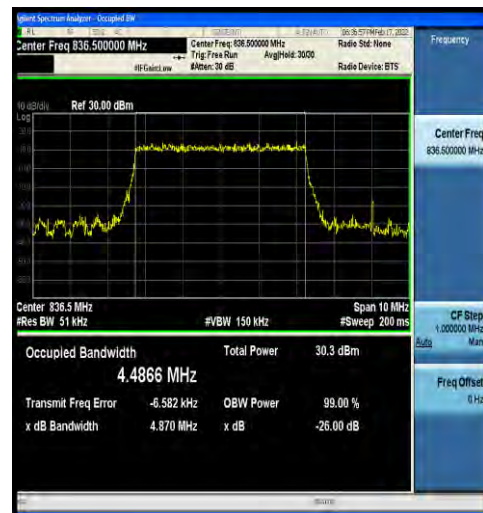
1-N5-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant0-4.4684-4.863- \leq 5-PASS



1-N5-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.4806-4.919- \leq 5-PASS



1-N5-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0-4.4755-4.893- \leq 5-PASS



1-N5-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant0-4.4866-4.870- \leq 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.

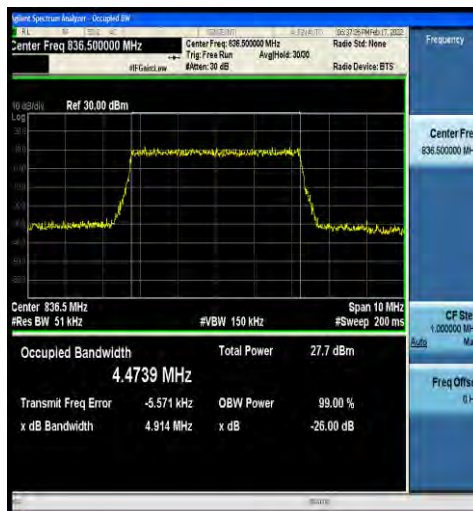
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000

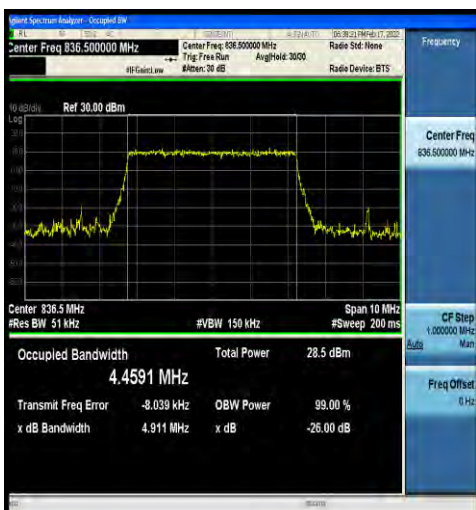
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



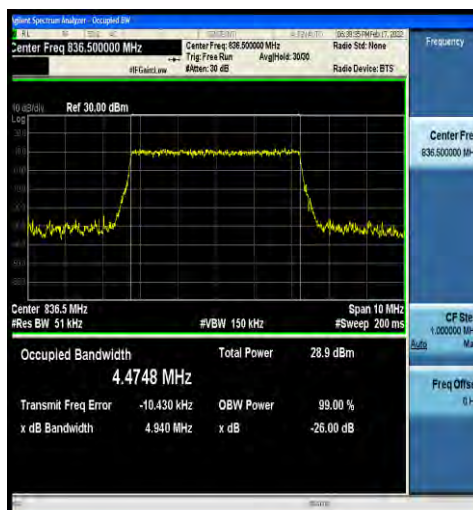
1-N5-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant0-4.4724-4.917-≤5-PASS



1-N5-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.4739-4.914-≤5-PASS



1-N5-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4.4591-4.911-≤5-PASS

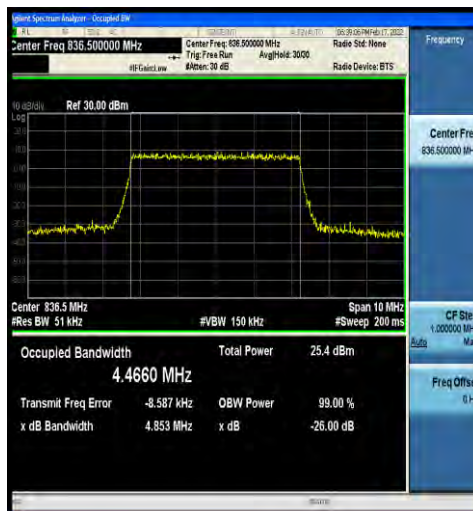


1-N5-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4.4748-4.940-≤5-PASS

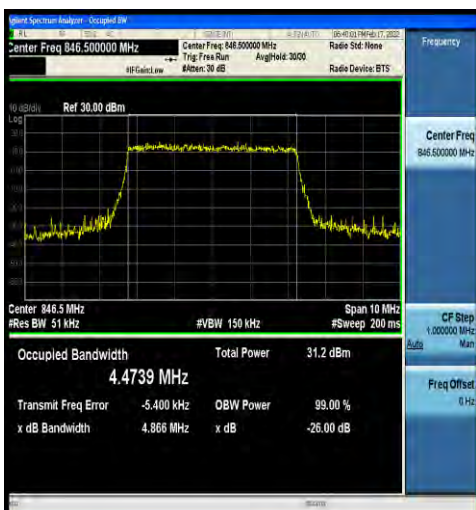




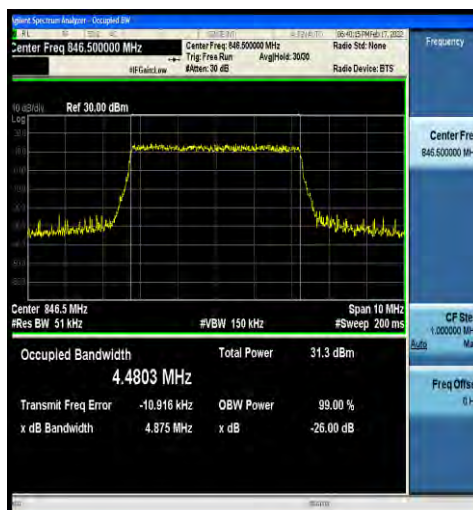
1-N5-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4
 .4717-4.843-≤5-PASS



1-N5-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant0-4
 4.4660-4.853-≤5-PASS

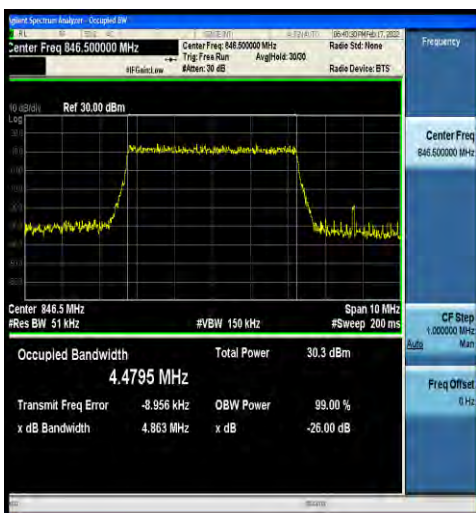


1-N5-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.
 4739-4.866-≤5-PASS

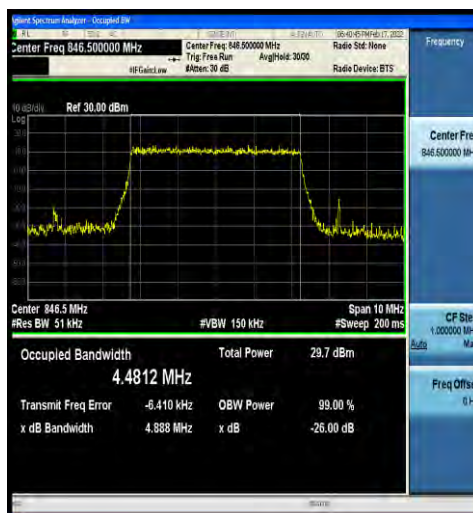


1-N5-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0
 -4.4803-4.875-≤5-PASS





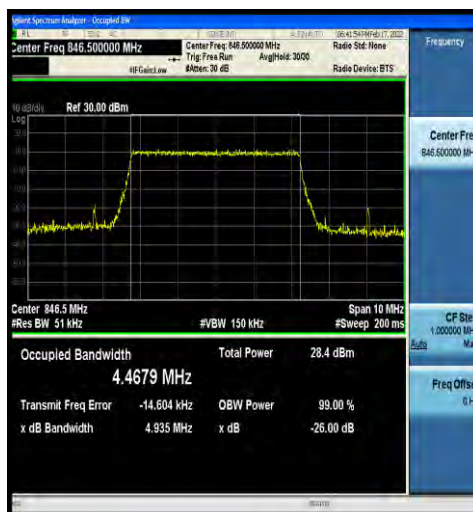
1-N5-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant0-4.4795-4.863-≤5-PASS



1-N5-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant0-4.4812-4.888-≤5-PASS

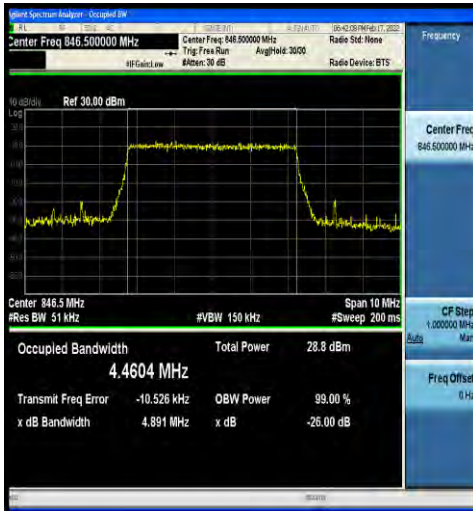


1-N5-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.4777-4.904-≤5-PASS

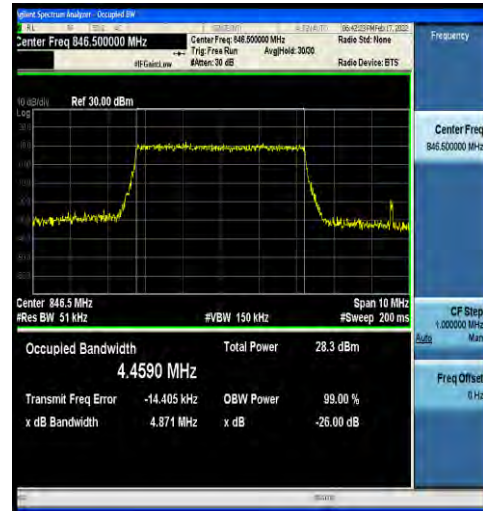


1-N5-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-4.4679-4.935-≤5-PASS

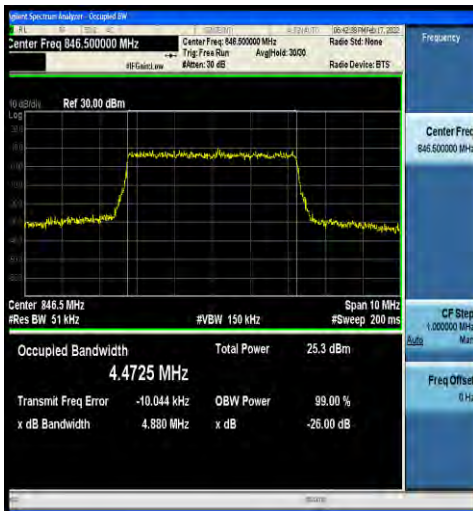




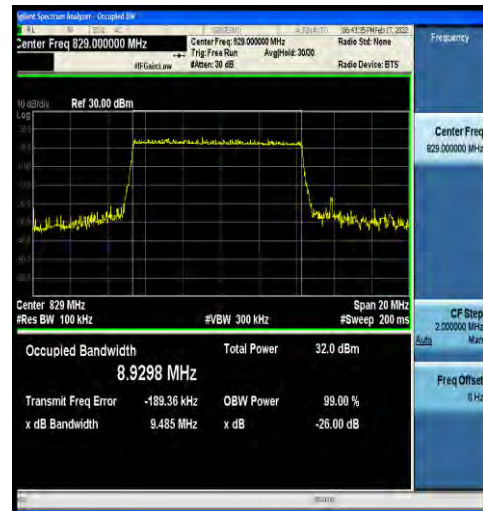
1-N5-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant0-4.
4604-4.891-≤5-PASS



1-N5-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant0-4.
4590-4.871-≤5-PASS



1-N5-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant0-
4.4725-4.880-≤5-PASS



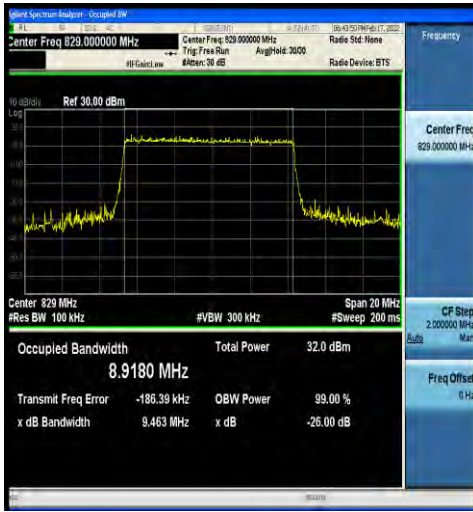
1-N5-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant0-8
.9298-9.485-≤10-PASS



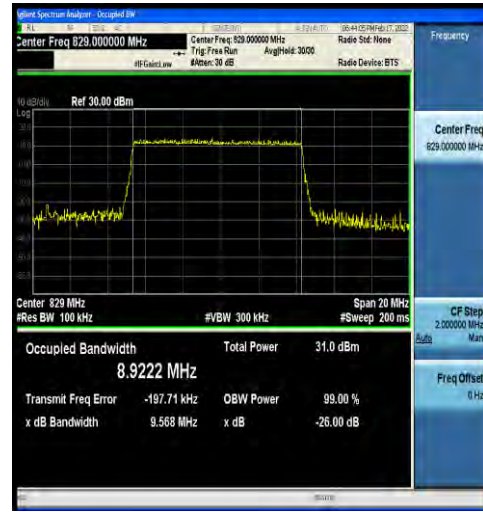
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000

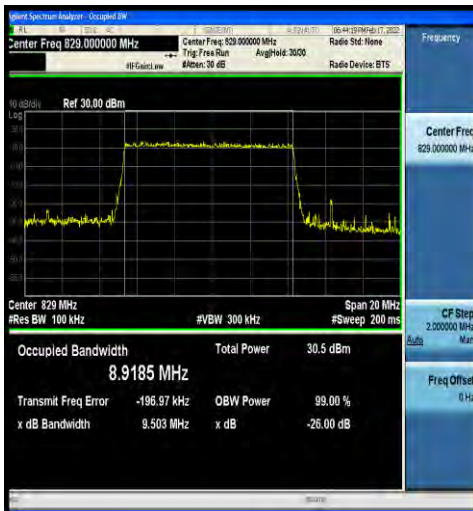
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



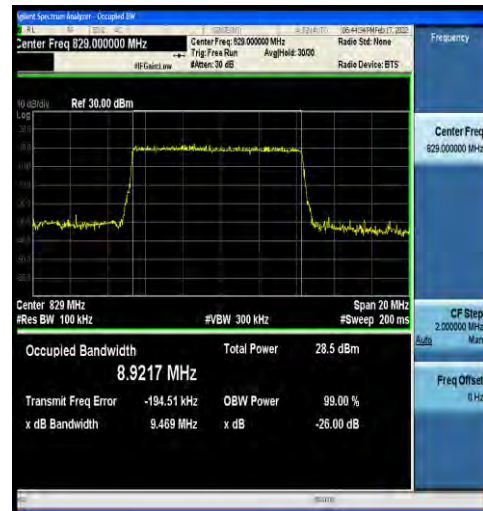
1-N5-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant
0-8.9180-9.463-≤10-PASS



1-N5-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant0-
8.9222-9.568-≤10-PASS



1-N5-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant0
-8.9185-9.503-≤10-PASS



1-N5-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant
0-8.9217-9.469-≤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, Punsheng 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海胜路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-N5-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-9.
 2809-9.956-≤10-PASS



1-N5-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant0-9
 .2692-9.867-≤10-PASS



1-N5-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant0-
 9.2734-9.908-≤10-PASS

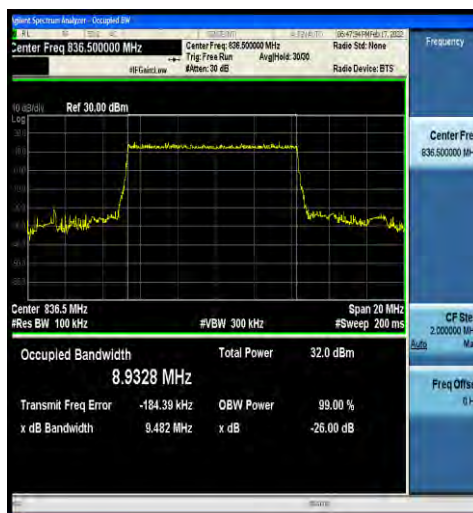


1-N5-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant0-
 9.2717-9.835-≤10-PASS





1-N5-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant0-8.9265-9.472-≤10-PASS



1-N5-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant0-8.9328-9.482-≤10-PASS

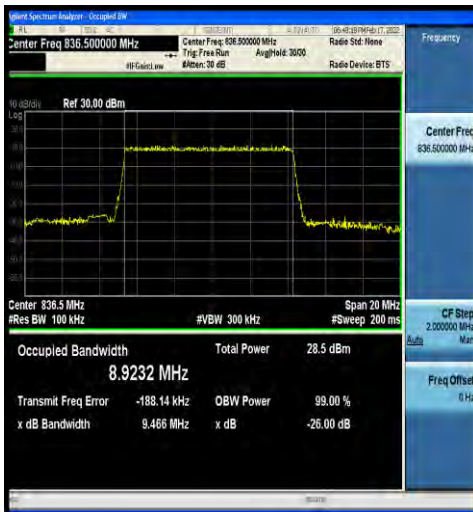


1-N5-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant0-8.9109-9.450-≤10-PASS

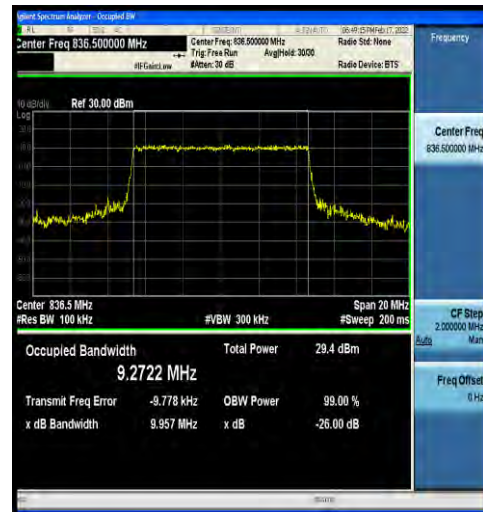


1-N5-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant0-8.9231-9.506-≤10-PASS





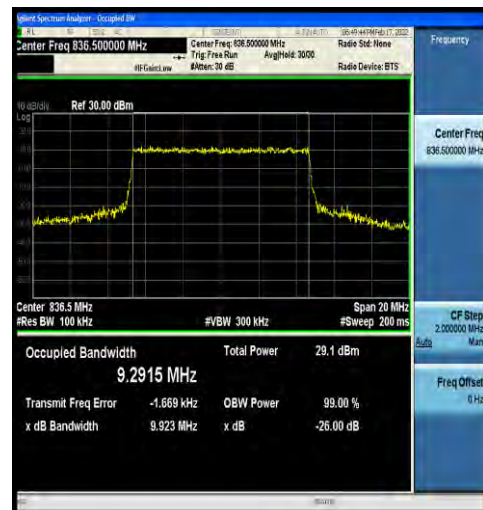
1-N5-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant
0-8.9232-9.466-≤10-PASS



1-N5-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant0-9.
2722-9.957-≤10-PASS



1-N5-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant0-
9.2775-9.909-≤10-PASS



1-N5-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant0-
9.2915-9.923-≤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, Pansheng 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海胜路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-N5-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
 0-9.2807-9.892-≤10-PASS



1-N5-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant0
 8.8995-9.532-≤10-PASS

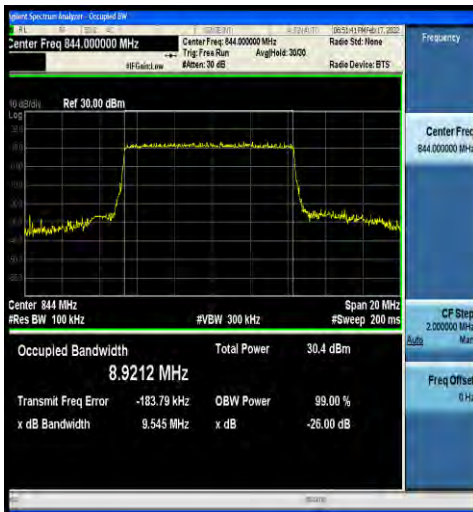


1-N5-15-10-H-2-DFT-P12BPSK-Outer_Full-50@0-An
 t0-8.9028-9.562-≤10-PASS

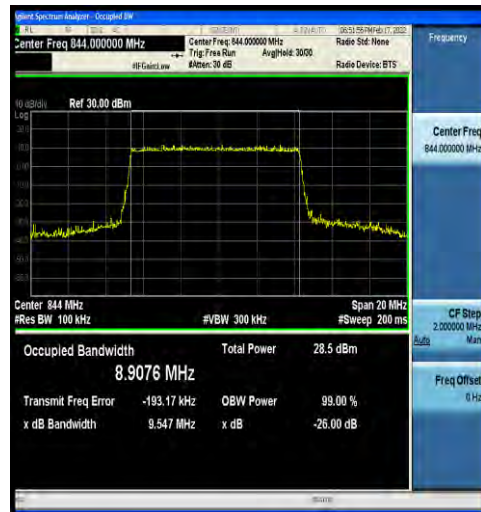


1-N5-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant0
 -8.9109-9.434-≤10-PASS

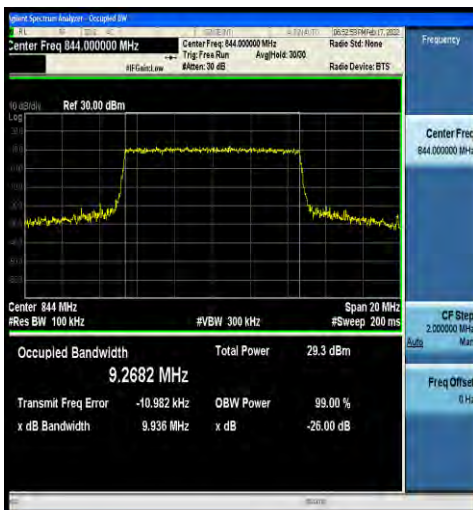




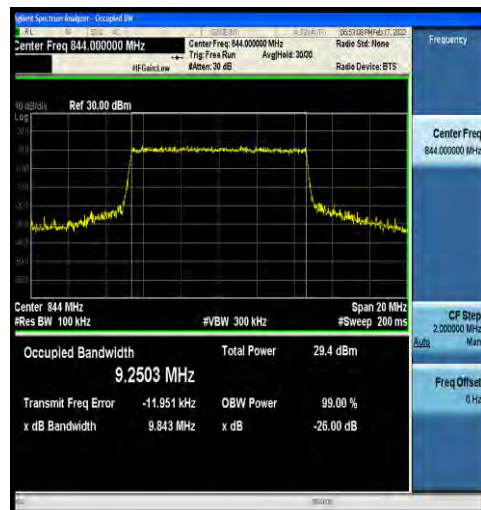
1-N5-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant0
-8.9212-9.545-≤10-PASS



1-N5-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant0
0-8.9076-9.547-≤10-PASS



1-N5-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-9.
2682-9.936-≤10-PASS



1-N5-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant0-9
9.2503-9.843-≤10-PASS



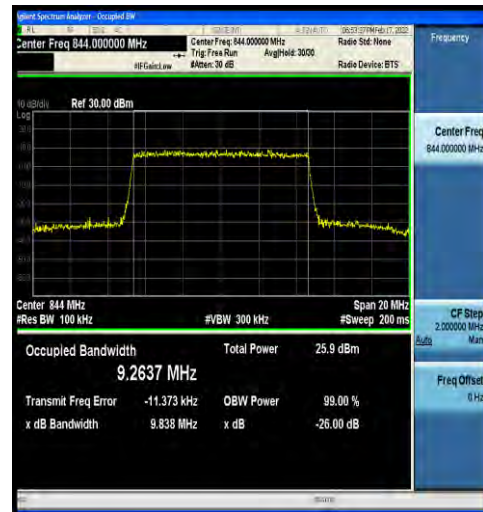
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



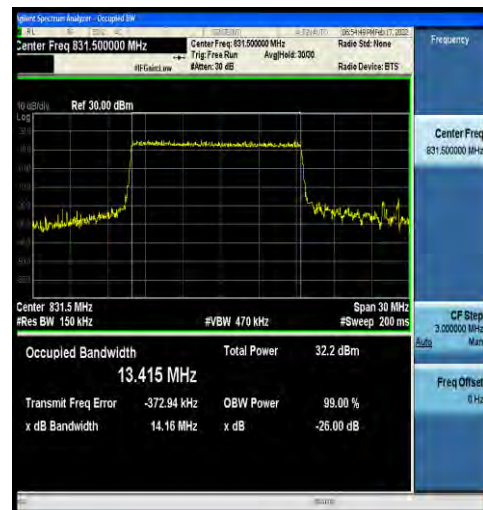
1-N5-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant0-9.2705-9.863-≤10-PASS



1-N5-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant0-9.2637-9.838-≤10-PASS



1-N5-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant0-13.386-14.18-≤15-PASS



1-N5-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant0-13.415-14.16-≤15-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.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N5-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant0
-13.390-14.10-≤15-PASS



1-N5-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant0-
13.403-14.14-≤15-PASS

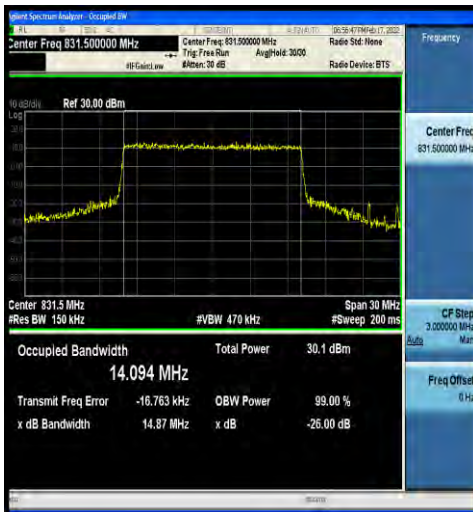


1-N5-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant
0-13.398-14.08-≤15-PASS

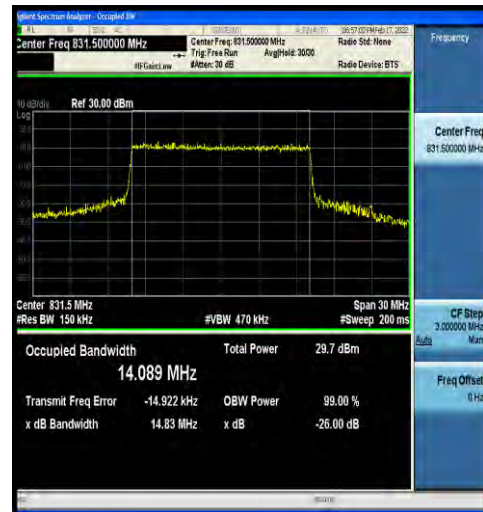


1-N5-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-14
.092-14.83-≤15-PASS





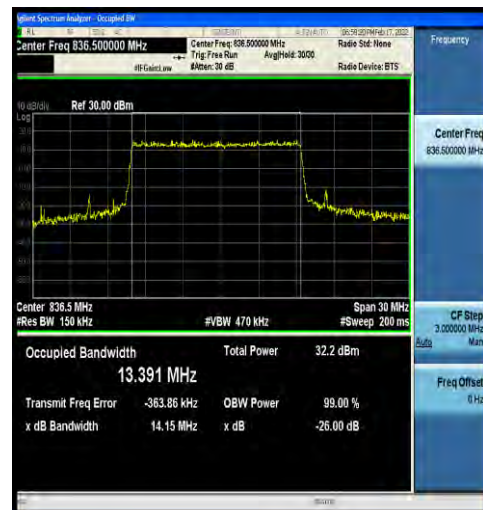
1-N5-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant0-14.094-14.87-≤15-PASS



1-N5-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant0-14.089-14.83-≤15-PASS



1-N5-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant0-14.116-14.84-≤15-PASS



1-N5-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant0-13.391-14.15-≤15-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.

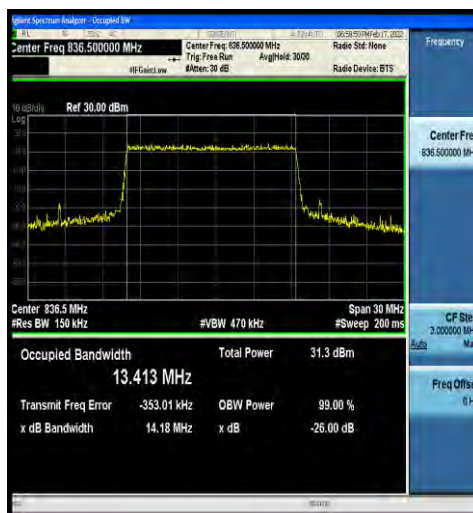
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng 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海胜路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-N5-15-15-M-2-DFT-P12BPSK-Outer_Full-75@0-Ant0-13.397-14.16-≤15-PASS



1-N5-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant0-13.413-14.18-≤15-PASS

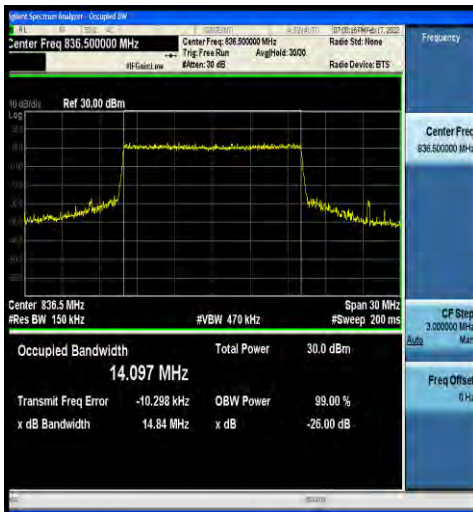


1-N5-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant0-13.411-14.17-≤15-PASS

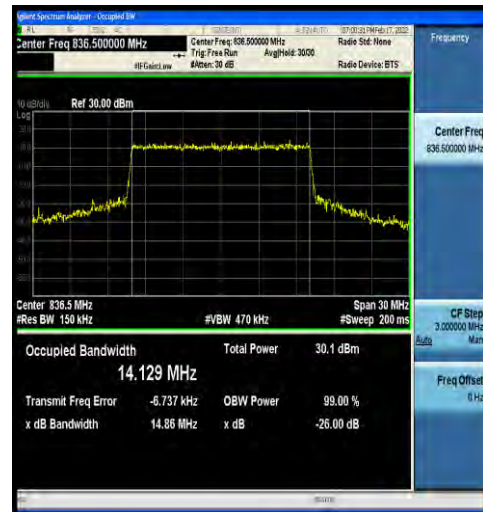


1-N5-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant0-13.394-14.19-≤15-PASS

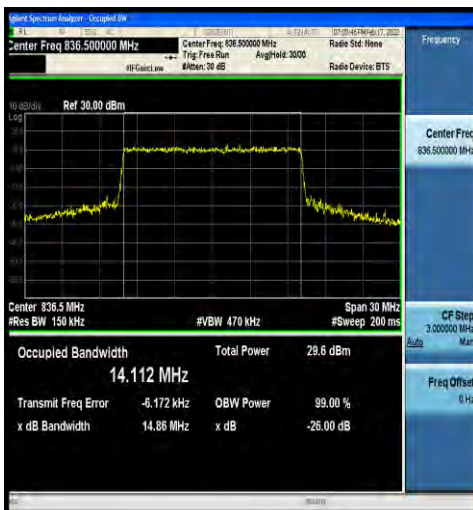




1-N5-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant0-1
4.097-14.84-≤15-PASS



1-N5-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant0-
14.129-14.86-≤15-PASS



1-N5-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant0-
14.112-14.86-≤15-PASS



1-N5-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant0
-14.100-14.79-≤15-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, Pansheng 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海胜路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-N5-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant0-
 13.372-14.13≤15-PASS



1-N5-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant
 0-13.406-14.14≤15-PASS



1-N5-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant0
 -13.392-14.15≤15-PASS



1-N5-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant0
 -13.382-14.15≤15-PASS





1-N5-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant
 0-13.394-14.15-≤15-PASS



1-N5-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-1
 4.085-14.85-≤15-PASS



1-N5-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant0
 14.094-14.84-≤15-PASS

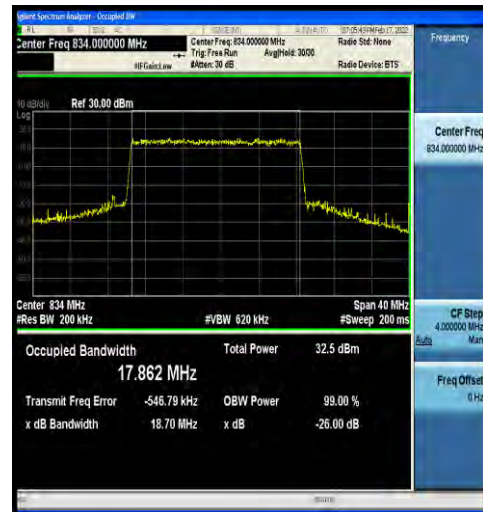


1-N5-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant0
 14.076-14.83-≤15-PASS





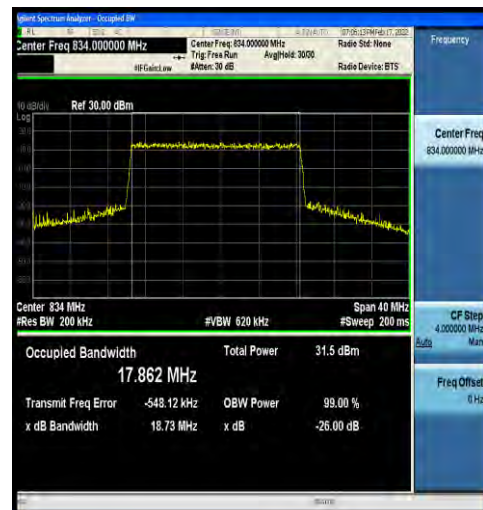
1-N5-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant0
-14.065-14.88≤15-PASS



1-N5-15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant0
17.862-18.70≤20-PASS



1-N5-15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant0
17.874-18.67≤20-PASS



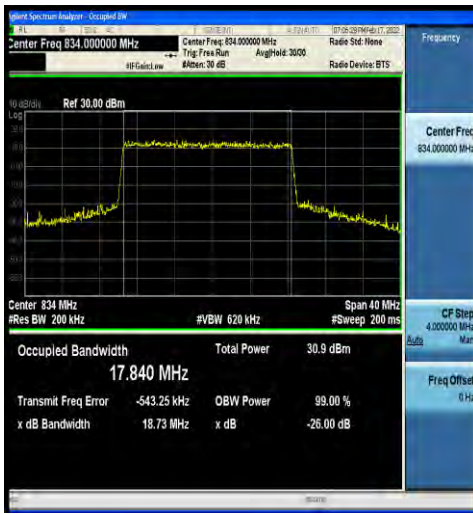
1-N5-15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant0
17.862-18.73≤20-PASS



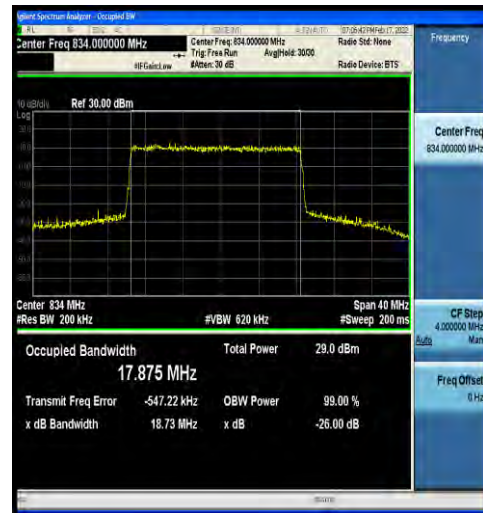
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



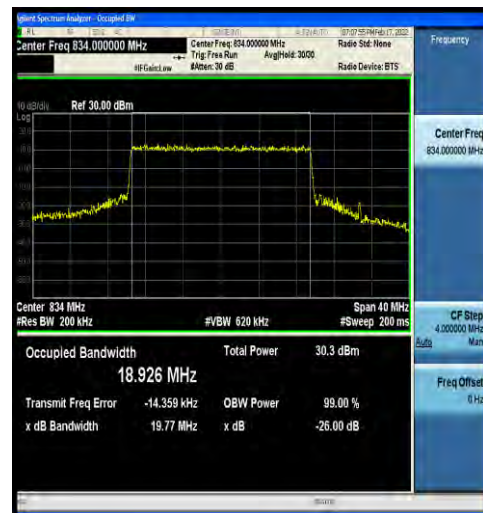
1-N5-15-20-L-4-DFT-64QAM-Outer_Full-100@0-Ant
0-17.840-18.73-≤20-PASS



1-N5-15-20-L-5-DFT-256QAM-Outer_Full-100@0-An
t0-17.875-18.73-≤20-PASS



1-N5-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant0
18.936-19.81-≤20-PASS



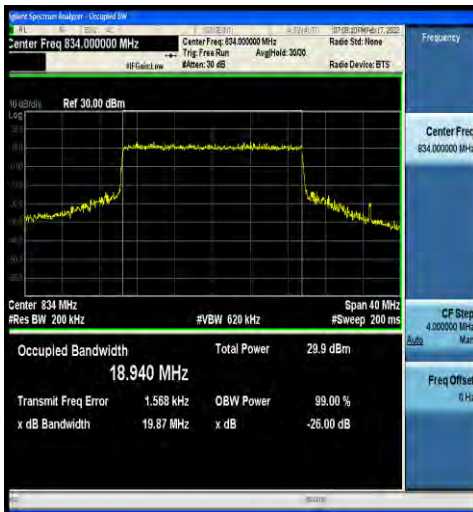
1-N5-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant0
18.926-19.77-≤20-PASS



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, Pansheng 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海胜路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-N5-15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant0
-18.940-19.87-≤20-PASS



1-N5-15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant0
0-18.902-19.76-≤20-PASS



1-N5-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant0
-17.822-18.71-≤20-PASS



1-N5-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant0
-17.848-18.77-≤20-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.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



1-N5-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant
 0-17.843-18.68-≤20-PASS



1-N5-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant
 0-17.840-18.63-≤20-PASS

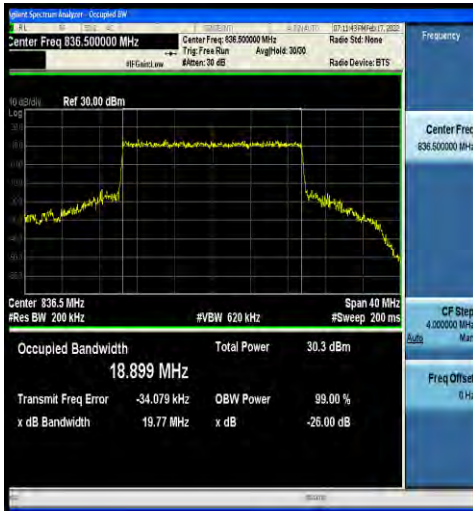


1-N5-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant
 0-17.862-18.67-≤20-PASS

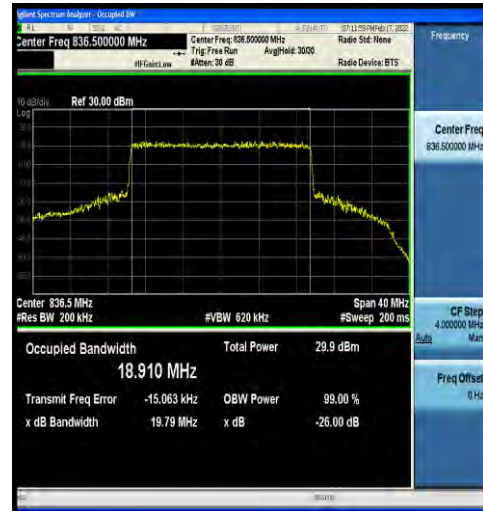


1-N5-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant
 0-18.890-19.93-≤20-PASS





1-N5-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant0-18.899-19.77-≤20-PASS



1-N5-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant0-18.910-19.79-≤20-PASS



1-N5-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant0-18.870-19.79-≤20-PASS



1-N5-15-20-H-1-DFT-QPSK-Outer_Full-100@0-Ant0-17.836-18.68-≤20-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, Pansheng 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海胜路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-N5-15-20-H-2-DFT-PI2BPSK-Outer_Full-100@0-A
 nt0-17.829-18.67-≤20-PASS



1-N5-15-20-H-3-DFT-16QAM-Outer_Full-100@0-Ant
 0-17.840-18.73-≤20-PASS



1-N5-15-20-H-4-DFT-64QAM-Outer_Full-100@0-Ant
 0-17.847-18.68-≤20-PASS

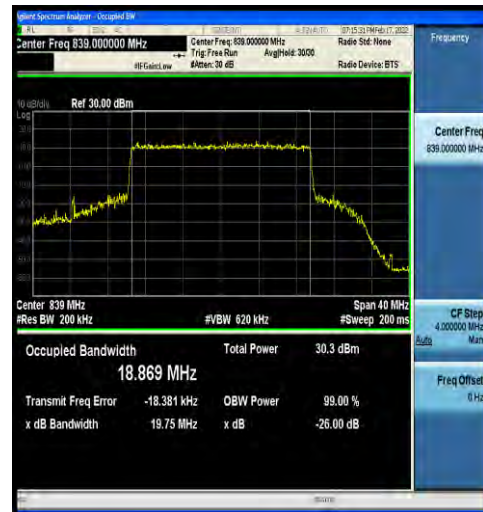


1-N5-15-20-H-5-DFT-256QAM-Outer_Full-100@0-A
 nt0-17.852-18.68-≤20-PASS





1-N5-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant0-18.871-20.08-≤20-PASS



1-N5-15-20-H-7-CP-16QAM-Outer_Full-106@0-Ant0-18.869-19.75-≤20-PASS



1-N5-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant0-18.894-19.80-≤20-PASS



1-N5-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant0-18.908-19.74-≤20-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.

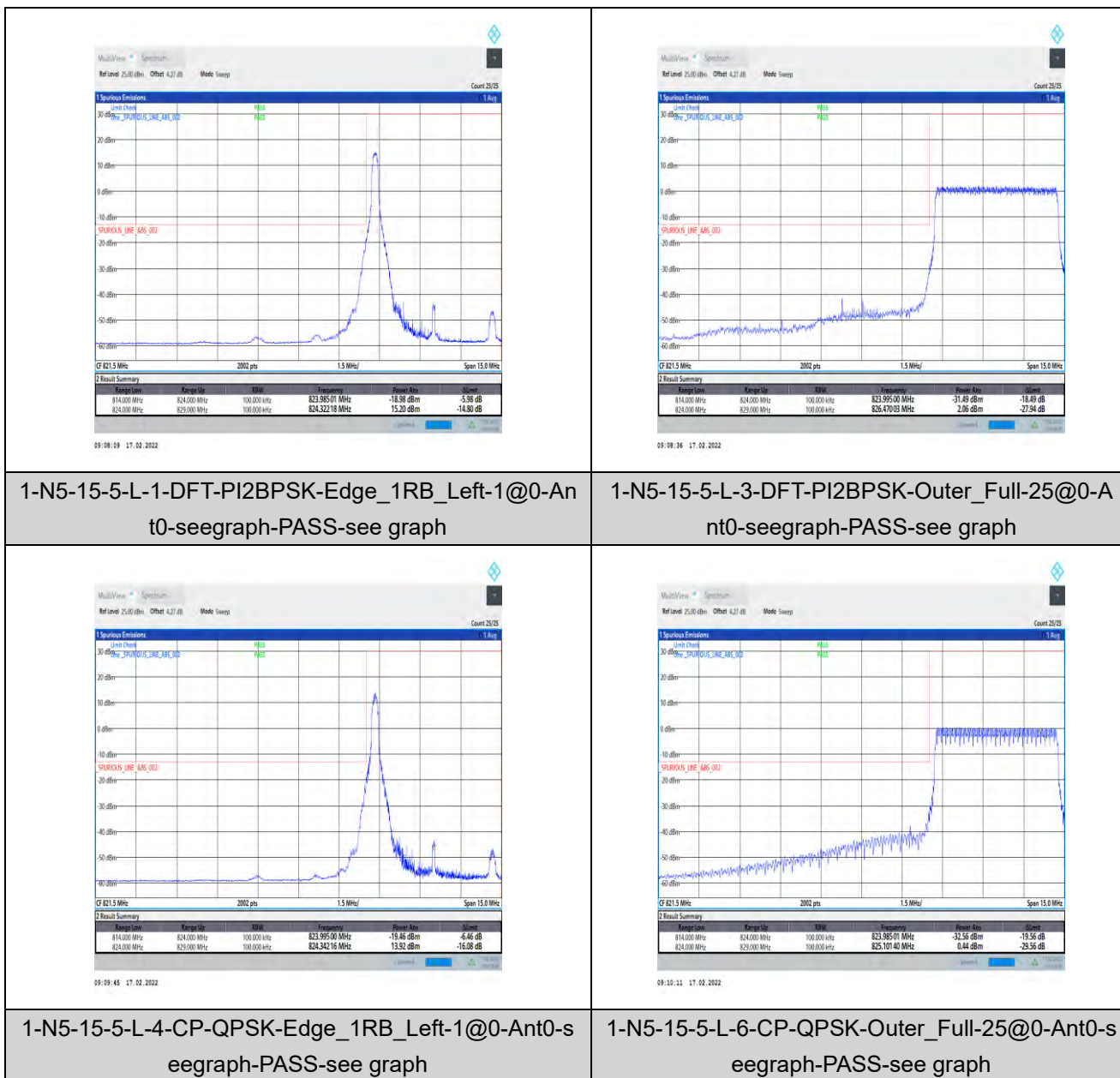
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Punsheng 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海胜路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

Band Edge for SA

Test Graphs



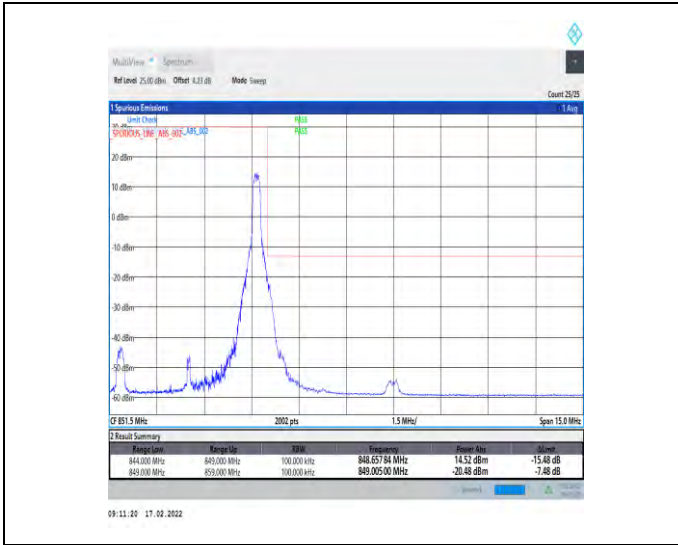
1-N5-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-seegraph-PASS-see graph

1-N5-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-seegraph-PASS-see graph

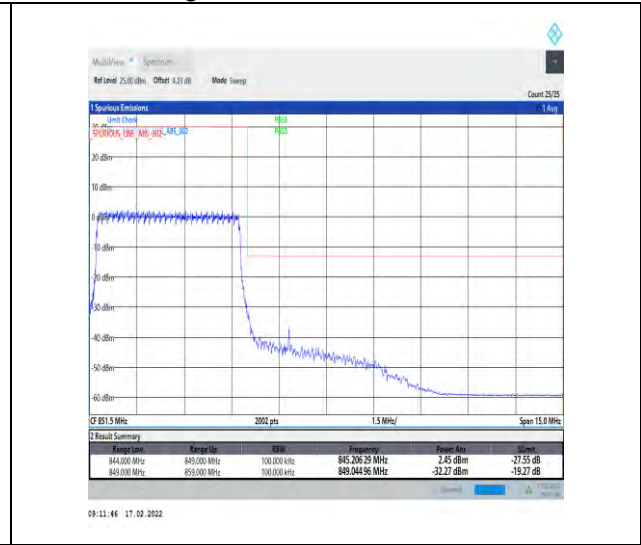
1-N5-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-seegraph-PASS-see graph

1-N5-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant0-seegraph-PASS-see graph

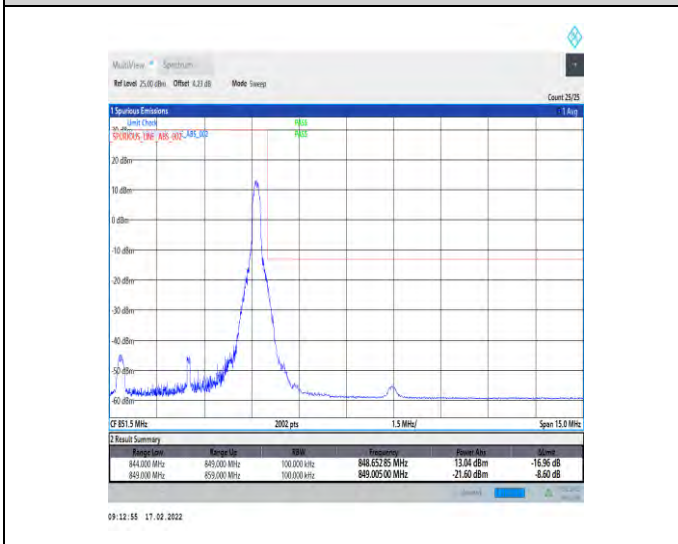




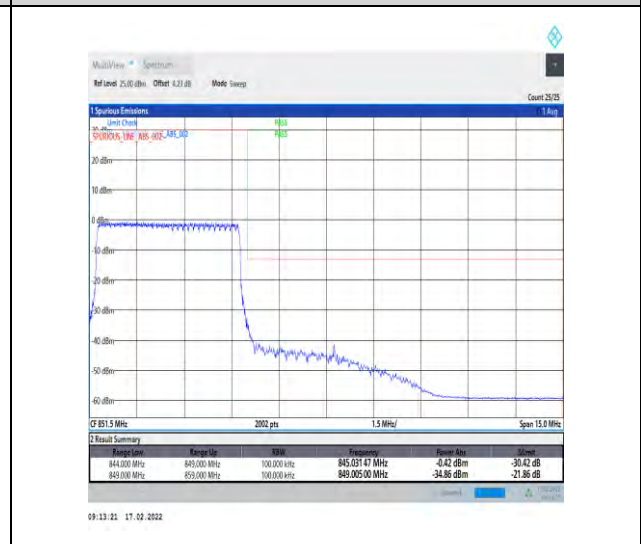
1-N5-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant0-seegraph-PASS-see graph



1-N5-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-seegraph-PASS-see graph



1-N5-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-seegraph-PASS-see graph



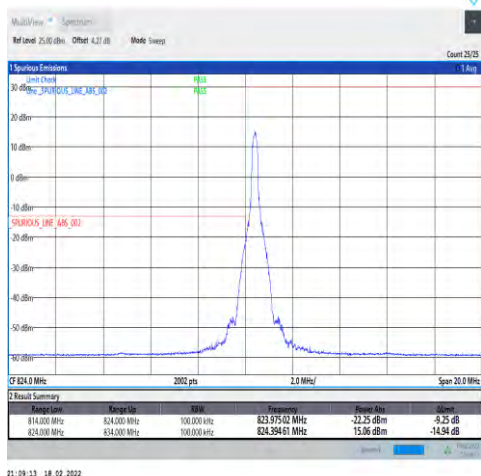
1-N5-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-seegraph-PASS-see graph



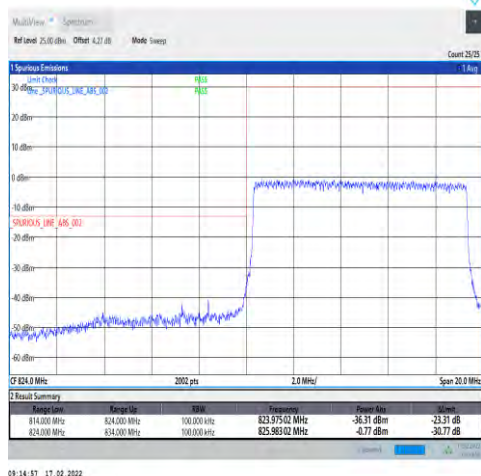
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

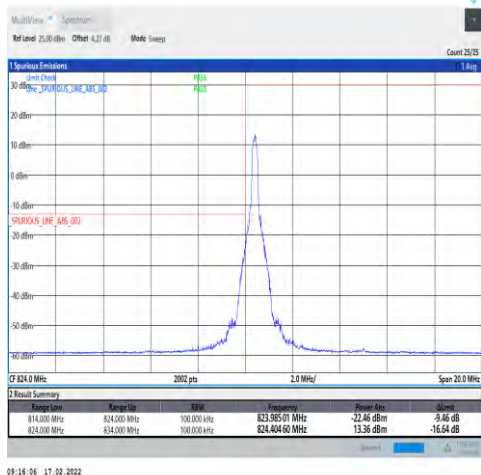
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



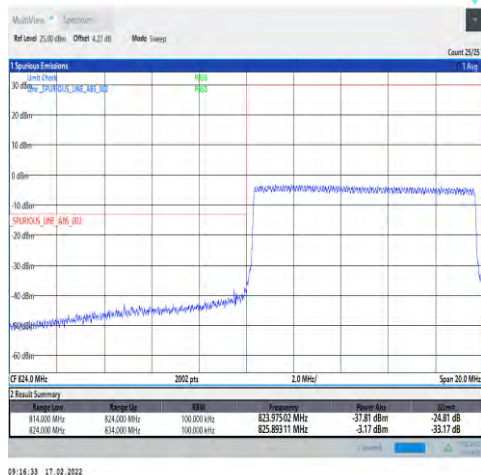
1-N5-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
nt0-seegraph-PASS-see graph



1-N5-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-seegraph-PASS-see graph



1-N5-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-seegraph-PASS-see graph



1-N5-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-seegraph-PASS-see graph

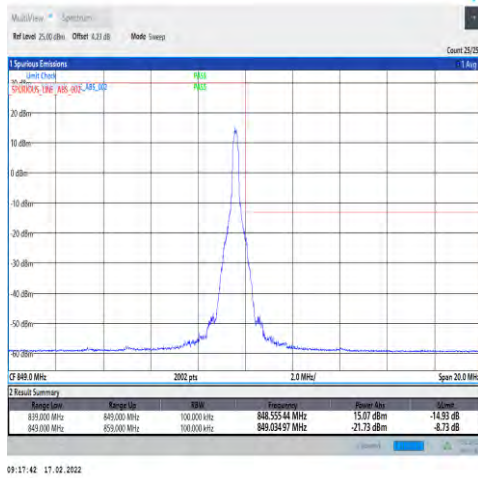


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

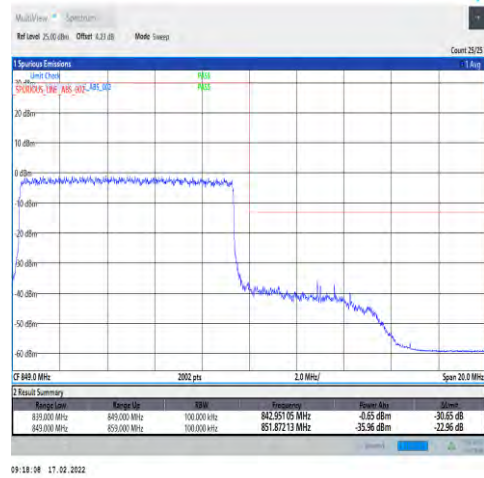
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng 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海胜路1号的6号厂房南楼 邮编: 215000

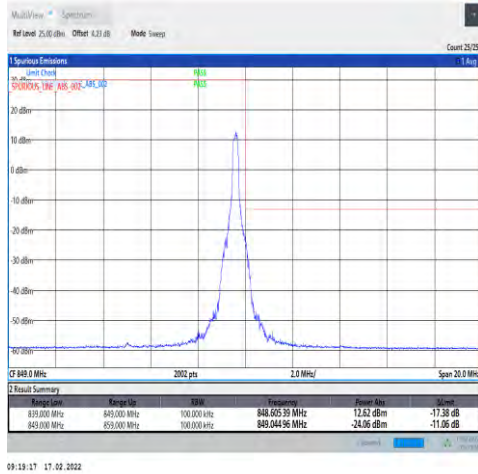
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



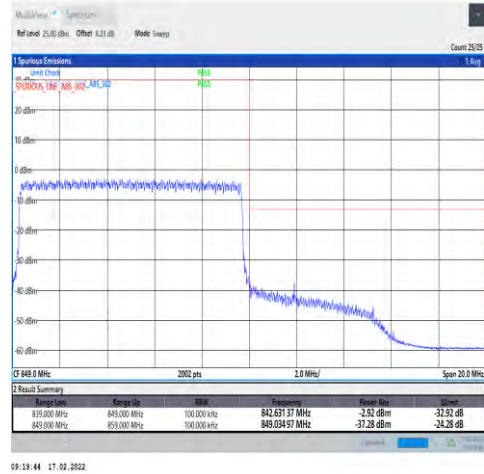
1-N5-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@5
1-Ant0-seegraph-PASS-see graph



1-N5-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-seegraph-PASS-see graph



1-N5-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant0-seegraph-PASS-see graph



1-N5-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-seegraph-PASS-see graph

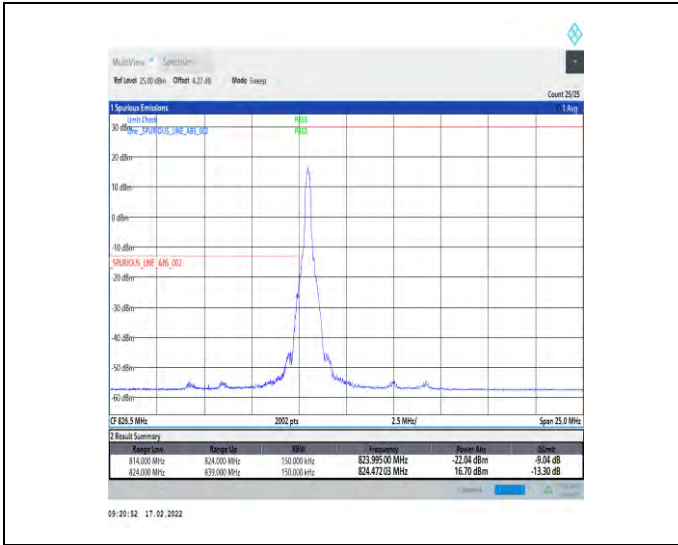


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

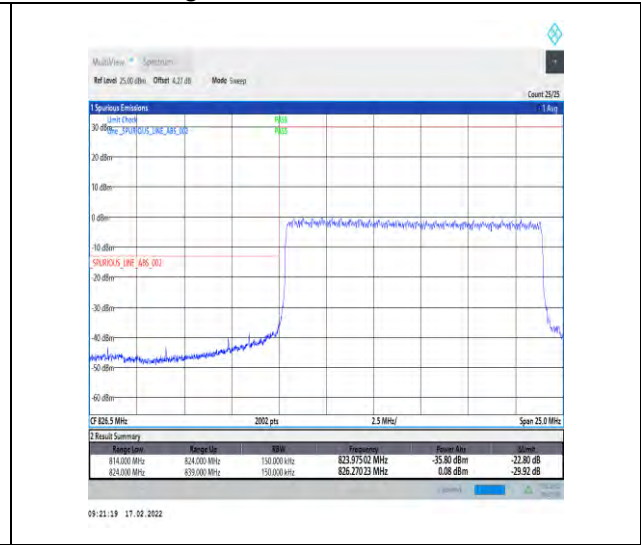
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Punsheng 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海胜路1号的6号厂房南楼 邮编: 215000

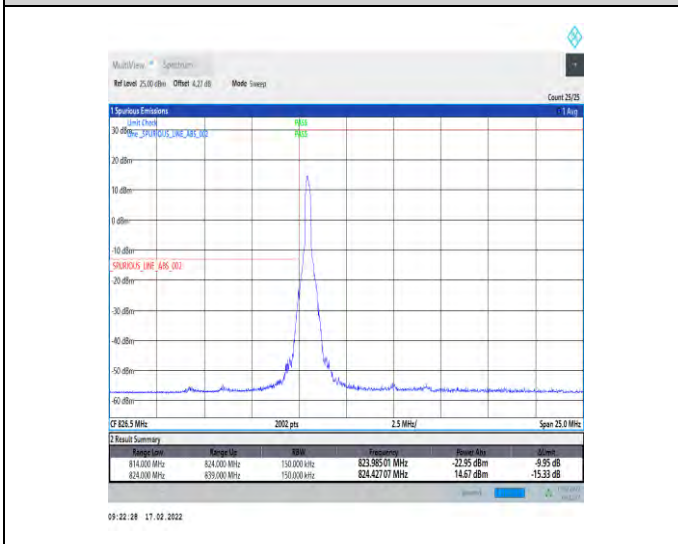
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



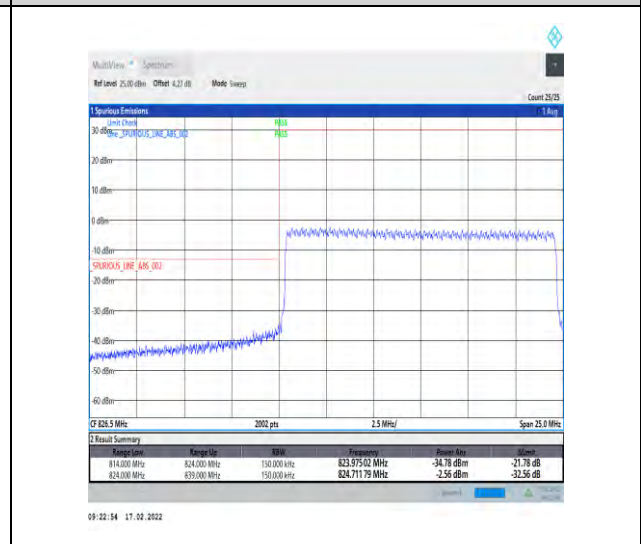
1-N5-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
nt0-seegraph-PASS-see graph



1-N5-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-seegraph-PASS-see graph



1-N5-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-seegraph-PASS-see graph



1-N5-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-seegraph-PASS-see graph

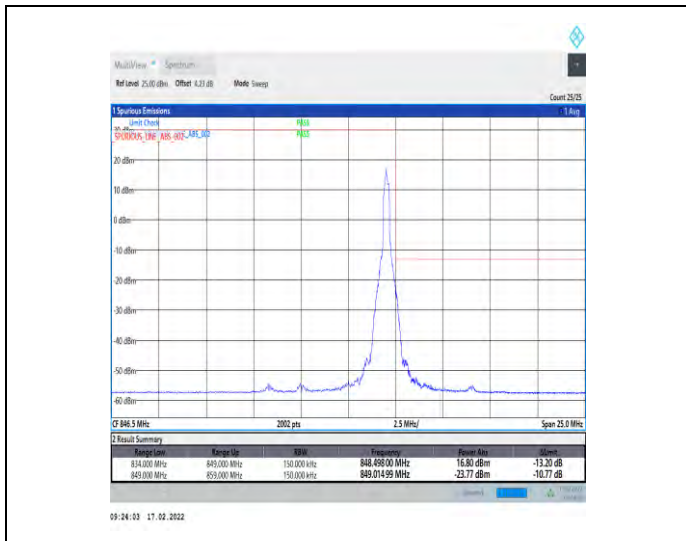


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

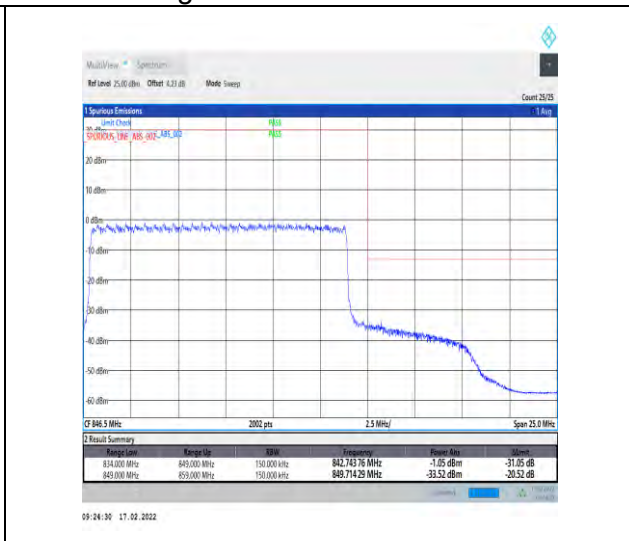
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng 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海陆路1号的6号厂房南楼 邮编: 215000

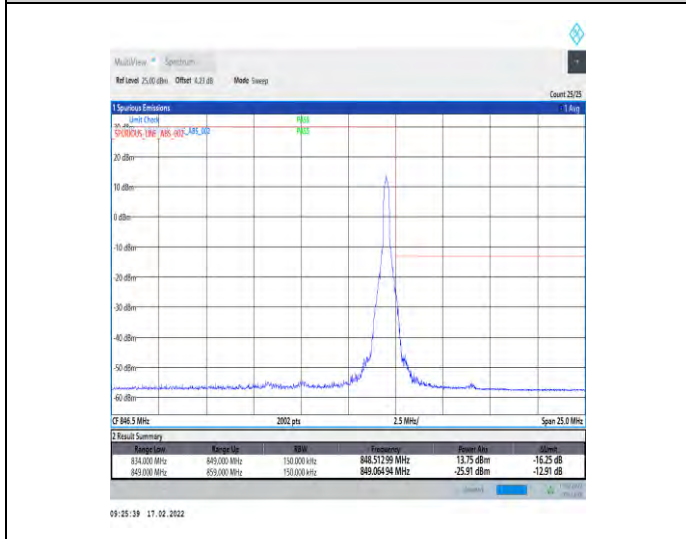
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



1-N5-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@7
 8-Ant0-seegraph-PASS-see graph



1-N5-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-
 Ant0-seegraph-PASS-see graph



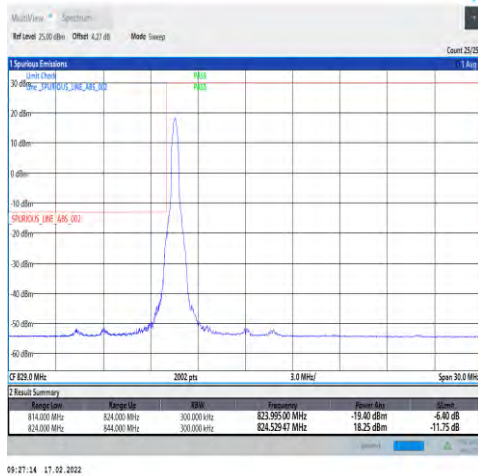
1-N5-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-An
 t0-seegraph-PASS-see graph



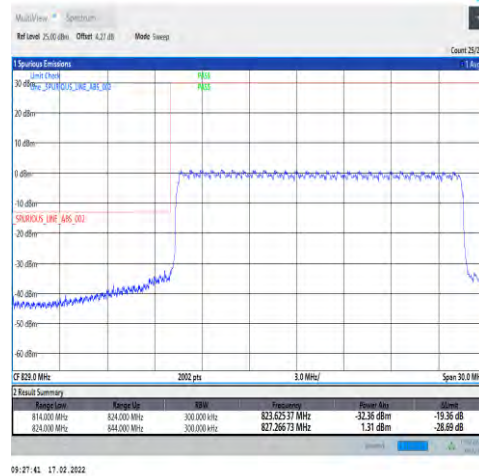
1-N5-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0
 -seegraph-PASS-see graph



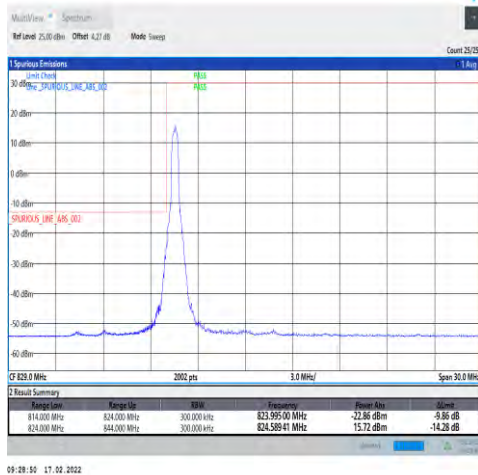
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Punsheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



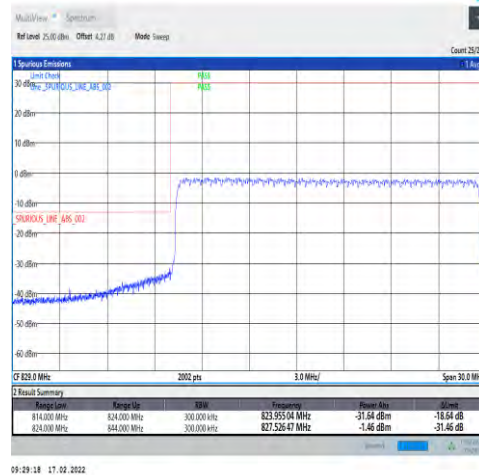
1-N5-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
nt0-seegraph-PASS-see graph



1-N5-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant0-seegraph-PASS-see graph



1-N5-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-seegraph-PASS-see graph



1-N5-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant0-seegraph-PASS-see graph

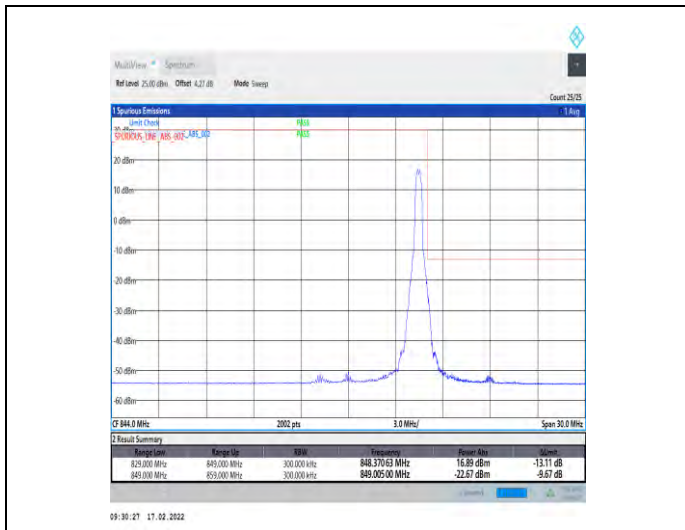


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

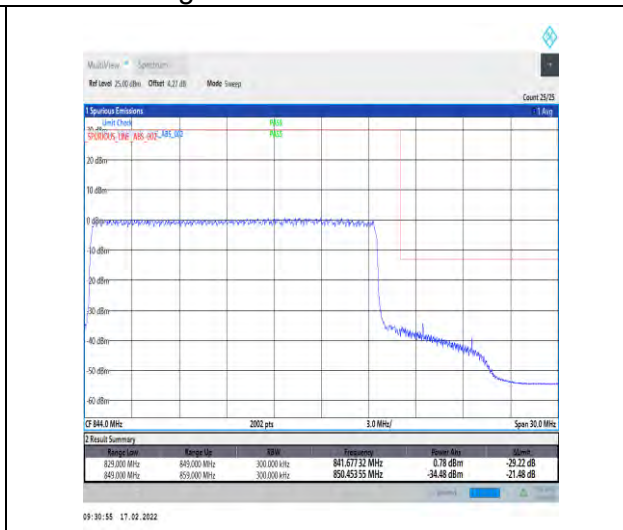
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng 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海陵路1号的6号厂房南楼 邮编: 215000

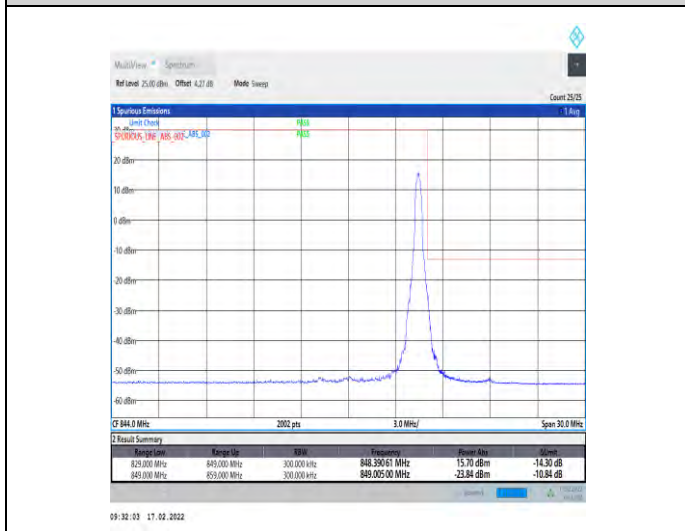
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



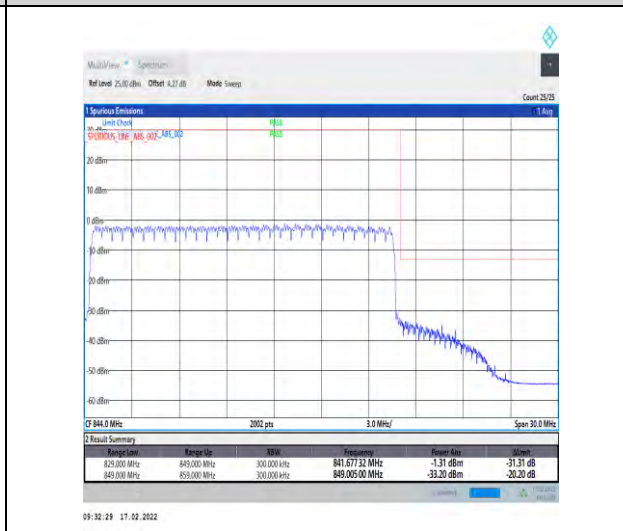
1-N5-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant0-seegraph-PASS-see graph



1-N5-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant0-seegraph-PASS-see graph



1-N5-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant0-seegraph-PASS-see graph



1-N5-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant0-seegraph-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: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Punsheng 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海胜路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

Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	0.009	0.15	-57.67	-33	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	0.15	30	-38.85	-23	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	30	1000	-51.11	-13	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	1000	3000	-30.76	-13	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	3000	12000	-48.01	-13	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	0.009	0.15	-57.67	-33	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	0.15	30	-39.66	-23	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	30	1000	-51.43	-13	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	1000	3000	-17.44	-13	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	3000	12000	-47.84	-13	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	0.009	0.15	-58.75	-33	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	0.15	30	-48.46	-23	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	30	1000	-51.47	-13	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	1000	3000	-18.52	-13	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	3000	12000	-47.87	-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

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

South of No. 6 Plant, No. 1, Pansheng 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海胜路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

Test Graphs

<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -0.009-0.15-ANT0--57.67--33-PASS</p>	<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -0.15-30-ANT0--38.85--23-PASS</p>
<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -30-1000-ANT0--51.11--13-PASS</p>	<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -1000-3000-ANT0--30.76--13-PASS</p>



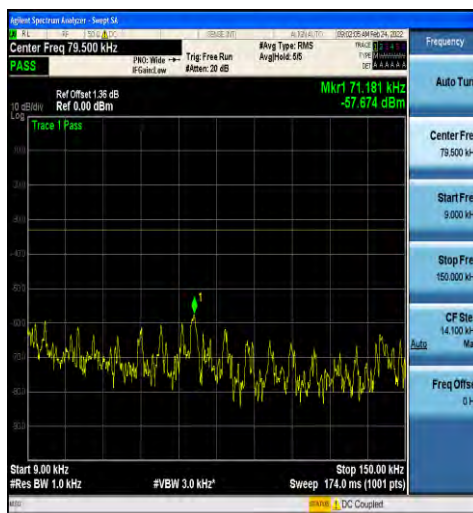
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

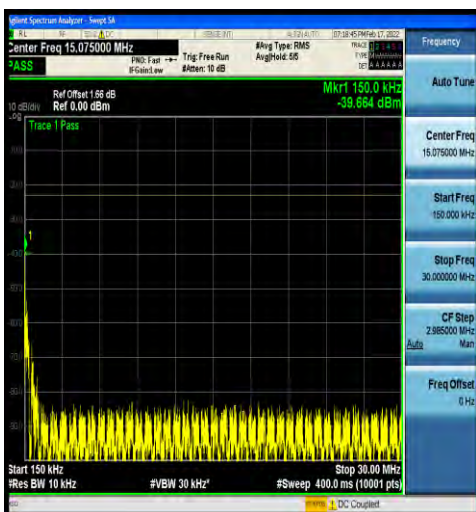
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



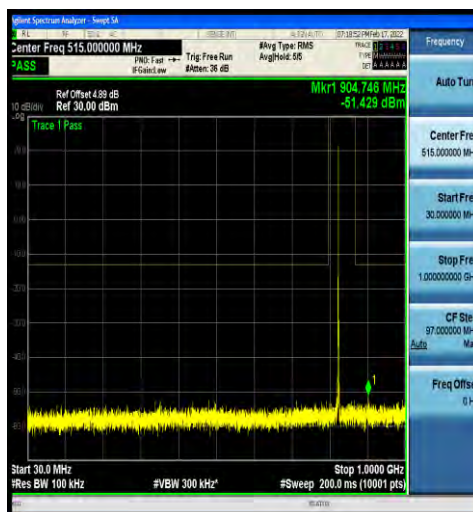
1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -3000-12000-ANT0--48.01--13-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-0.009-0.15-ANT0--57.67--33-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-0.15-30-ANT0--39.66--23-PASS

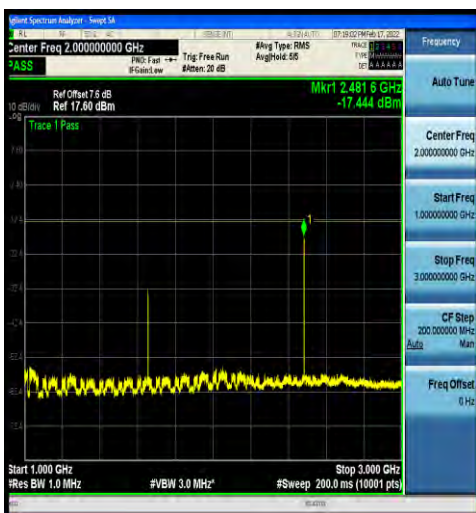


1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-30-1000-ANT0--51.43--13-PASS



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: (86-795) 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



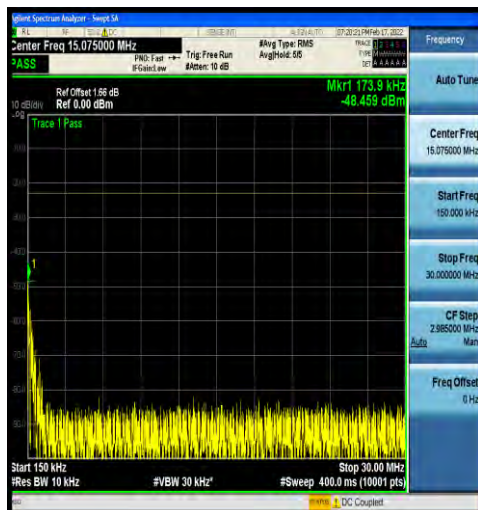
1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-1000-3000-ANT0--17.44--13-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-3000-12000-ANT0--47.84--13-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -0.009-0.15-ANT0--58.75--33-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -0.15-30-ANT0--48.46--23-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: (86-795) 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-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -30-1000-ANT0--51.47--13-PASS

1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -1000-3000-ANT0--18.52--13-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -3000-12000-ANT0--47.87--13-PASS



Field Strength of Spurious Radiation

Test Band =SA_Band 5_TM1 ANT1

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	1650.18	52.32	-118.06	-65.74	-13.00	52.74	133	196	Horizontal
2	2475.27	50.67	-114.35	-63.68	-13.00	50.68	231	1	Horizontal
3	3300.36	49.86	-111.89	-62.03	-13.00	49.03	184	131	Horizontal
4	4125.45	48.59	-109.79	-61.20	-13.00	48.20	162	46	Horizontal
5	4950.54	49.81	-107.85	-58.04	-13.00	45.04	205	331	Horizontal
6	5775.63	49.97	-105.30	-55.33	-13.00	42.33	177	89	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	52.47	-118.06	-65.59	-13.00	52.59	205	52	Vertical
2	2475.27	51.37	-114.35	-62.98	-13.00	49.98	239	359	Vertical
3	3300.36	50.40	-111.89	-61.49	-13.00	48.49	148	106	Vertical
4	4125.45	48.09	-109.79	-61.70	-13.00	48.70	175	62	Vertical
5	4950.54	50.91	-107.85	-56.94	-13.00	43.94	128	84	Vertical
6	5775.63	49.40	-105.30	-55.90	-13.00	42.90	111	106	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: 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 Band =SA_Band 5_ TM1 ANT1

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	1655.18	52.02	-118.05	-66.03	-13.00	53.03	175	64	Horizontal
2	2482.77	51.52	-114.27	-62.75	-13.00	49.75	146	43	Horizontal
3	3310.36	49.82	-111.92	-62.10	-13.00	49.10	129	29	Horizontal
4	4137.95	48.05	-109.74	-61.69	-13.00	48.69	138	1	Horizontal
5	4965.54	50.27	-107.80	-57.53	-13.00	44.53	105	308	Horizontal
6	5793.13	49.75	-105.23	-55.48	-13.00	42.48	144	266	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	52.84	-118.05	-65.21	-13.00	52.21	289	291	Vertical
2	2482.77	51.77	-114.27	-62.50	-13.00	49.50	172	29	Vertical
3	3310.36	49.87	-111.92	-62.05	-13.00	49.05	183	354	Vertical
4	4137.95	48.89	-109.74	-60.85	-13.00	47.85	162	359	Vertical
5	4965.54	50.01	-107.80	-57.79	-13.00	44.79	230	343	Vertical
6	5793.13	50.66	-105.23	-54.57	-13.00	41.57	140	251	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: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band =SA_Band 5_ TM1 ANT1
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	1660.18	51.80	-118.04	-66.24	-13.00	53.24	145	1	Horizontal
2	2490.27	51.43	-114.18	-62.75	-13.00	49.75	192	172	Horizontal
3	3320.36	50.19	-111.94	-61.75	-13.00	48.75	148	341	Horizontal
4	4150.45	48.70	-109.67	-60.97	-13.00	47.97	173	0	Horizontal
5	4980.54	49.49	-107.74	-58.25	-13.00	45.25	238	119	Horizontal
6	5810.63	50.82	-105.13	-54.31	-13.00	41.31	223	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	52.58	-118.04	-65.46	-13.00	52.46	284	167	Vertical
2	2490.27	51.59	-114.18	-62.59	-13.00	49.59	172	208	Vertical
3	3320.36	50.35	-111.94	-61.59	-13.00	48.59	230	186	Vertical
4	4150.45	48.11	-109.67	-61.56	-13.00	48.56	145	198	Vertical
5	4980.54	51.18	-107.74	-56.56	-13.00	43.56	168	325	Vertical
6	5810.63	49.94	-105.13	-55.19	-13.00	42.19	173	260	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: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = ENDC_7A_n5A _ TM1 ANT1
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	1650.18	40.29	-94.97	-54.68	-13.00	41.68	186	231	Horizontal
2	2475.27	39.74	-91.41	-51.67	-13.00	38.67	194	63	Horizontal
3	3300.36	50.89	-111.66	-60.77	-13.00	47.77	128	357	Horizontal
4	4125.45	49.33	-109.46	-60.13	-13.00	47.13	155	44	Horizontal
5	4950.54	49.53	-107.69	-58.16	-13.00	45.16	234	357	Horizontal
6	5775.63	50.84	-105.29	-54.45	-13.00	41.45	203	267	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	39.87	-94.97	-55.10	-13.00	42.10	198	135	Vertical
2	2475.27	39.95	-91.41	-51.46	-13.00	38.46	172	252	Vertical
3	3300.36	50.28	-111.66	-61.38	-13.00	48.38	126	5	Vertical
4	4125.45	48.43	-109.46	-61.03	-13.00	48.03	142	268	Vertical
5	4950.54	50.32	-107.69	-57.37	-13.00	44.37	301	155	Vertical
6	5775.63	50.60	-105.29	-54.69	-13.00	41.69	188	304	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: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = ENDC_7A_n5A _ TM1 ANT1
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	1655.18	40.82	-94.96	-54.14	-13.00	41.14	195	351	Horizontal
2	2482.77	43.91	-91.35	-47.44	-13.00	34.44	134	12	Horizontal
3	3311.1429	49.95	-111.67	-61.72	-13.00	48.72	172	357	Horizontal
4	4137.95	48.93	-109.45	-60.52	-13.00	47.52	123	1	Horizontal
5	4965.54	49.82	-107.66	-57.84	-13.00	44.84	203	139	Horizontal
6	5793.13	49.81	-105.19	-55.38	-13.00	42.38	188	163	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	40.01	-94.96	-54.95	-13.00	41.95	198	222	Vertical
2	2482.77	40.34	-91.35	-51.01	-13.00	38.01	142	253	Vertical
3	3310.36	51.17	-111.67	-60.50	-13.00	47.50	226	256	Vertical
4	4137.95	48.95	-109.45	-60.50	-13.00	47.50	287	212	Vertical
5	4965.54	50.31	-107.66	-57.35	-13.00	44.35	191	47	Vertical
6	5793.13	50.62	-105.19	-54.57	-13.00	41.57	172	200	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: 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = ENDC_7A_n5A _ TM1 ANT1
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	1660.18	40.11	-94.94	-54.83	-13.00	41.83	169	20	Horizontal
2	2490.27	40.13	-91.30	-51.17	-13.00	38.17	194	157	Horizontal
3	3320.36	50.30	-111.68	-61.38	-13.00	48.38	135	1	Horizontal
4	4150.45	49.20	-109.43	-60.23	-13.00	47.23	170	118	Horizontal
5	4980.54	49.87	-107.63	-57.76	-13.00	44.76	156	294	Horizontal
6	5810.63	49.91	-105.12	-55.21	-13.00	42.21	142	175	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	40.54	-94.94	-54.40	-13.00	41.40	122	251	Vertical
2	2490.27	39.85	-91.30	-51.45	-13.00	38.45	231	325	Vertical
3	3320.36	50.09	-111.68	-61.59	-13.00	48.59	105	327	Vertical
4	4150.45	47.77	-109.43	-61.66	-13.00	48.66	175	246	Vertical
5	4980.54	49.62	-107.63	-58.01	-13.00	45.01	194	22	Vertical
6	5810.63	49.52	-105.12	-55.60	-13.00	42.60	172	94	Vertical

Remark: all the antenna were tested, but only showed the worst case in this report.



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
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	5.780000	0.006910	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	5.408000	0.006465	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	1.927000	0.002304	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	1.364000	0.001631	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	2.411000	0.002882	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	0.419000	0.000501	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, Pansheng 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海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.244000	0.003878	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	5.033000	0.006017	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	4.048000	0.004839	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	4.755000	0.005684	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	3.275000	0.003915	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	5.933000	0.180434	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	3.637000	0.004348	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	5.026000	0.006008	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	5.064000	0.006054	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	5.574000	0.183591	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	2.155000	0.002576	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	1.551000	0.001854	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	1.237000	0.001479	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	1.161000	0.001388	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	0.028000	0.000033	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	1.823000	0.002179	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	1.647000	0.001969	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	2.414000	0.002886	PASS

The End



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, Pansheng 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海胜路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