

Report No.: SUAR/2021/C000302
Rev.: 01
Page: 1 of 56

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

ANT3:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.66	21.96	33	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.6	21.9	33	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	23.76	21.06	33	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	24.69	21.99	33	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Right	24.62	21.92	33	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	23.76	21.06	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	23.59	20.89	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	23.62	20.92	33	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	22.77	20.07	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	22.12	19.42	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	22.25	19.55	33	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	22.25	19.55	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	20.17	17.47	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	20.21	17.51	33	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	20.22	17.52	33	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.53	21.83	33	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.62	21.92	33	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	23.7	21	33	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	24.56	21.86	33	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Right	24.27	21.57	33	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	23.7	21	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	23.72	21.02	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	23.27	20.57	33	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	22.72	20.02	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	22.13	19.43	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	21.83	19.13	33	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	22.23	19.53	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	20.08	17.38	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Right	20.14	17.44	33	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	20.24	17.54	33	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	25.15	22.45	33	PASS



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

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

South of No. 6 Plant, No. 1, 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



Report No.: SUAR/2021/C000302

Rev.: 01

Page: 3 of 56

N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	25.02	22.32	33	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	24.21	21.51	33	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	25.14	22.44	33	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Right	25.06	22.36	33	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	24.22	21.52	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	24.2	21.5	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	24.13	21.43	33	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	23.24	20.54	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	22.68	19.98	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	22.55	19.85	33	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	22.72	20.02	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	20.64	17.94	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	20.55	17.85	33	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	20.7	18	33	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Left	25.38	22.68	33	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Right	25.4	22.7	33	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	24.47	21.77	33	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	25.37	22.67	33	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Right	25.37	22.67	33	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	24.44	21.74	33	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	24.53	21.83	33	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Right	24.52	21.82	33	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	23.44	20.74	33	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Left	22.97	20.27	33	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Right	22.92	20.22	33	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	22.98	20.28	33	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Left	20.81	18.11	33	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Right	20.91	18.21	33	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	21	18.3	33	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Left	25.47	22.77	33	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Right	25.31	22.61	33	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	24.55	21.85	33	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	25.45	22.75	33	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Right	25.39	22.69	33	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	24.59	21.89	33	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	24.52	21.82	33	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Right	24.38	21.68	33	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	23.57	20.87	33	PASS



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

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

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



Report No.: SUAR/2021/C000302

Rev.: 01

Page: 4 of 56

N38	30	30	DFT-64QAM	M	Inner_1RB_Left	22.96	20.26	33	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Right	22.9	20.2	33	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	23.05	20.35	33	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Left	21.01	18.31	33	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Right	21.06	18.36	33	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	20.98	18.28	33	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Left	25.42	22.72	33	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Right	25.5	22.8	33	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	24.64	21.94	33	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	25.44	22.74	33	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Right	25.42	22.72	33	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	24.53	21.83	33	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	24.53	21.83	33	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Right	24.48	21.78	33	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	23.59	20.89	33	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Left	22.92	20.22	33	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Right	22.95	20.25	33	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	23.12	20.42	33	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Left	20.98	18.28	33	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Right	20.98	18.28	33	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	21.08	18.38	33	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	25.42	22.72	33	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	25.46	22.76	33	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	24.59	21.89	33	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	25.45	22.75	33	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	25.37	22.67	33	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	24.58	21.88	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	24.69	21.99	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	24.34	21.64	33	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	23.55	20.85	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	23.08	20.38	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	22.86	20.16	33	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	23.05	20.35	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	21.08	18.38	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	21	18.3	33	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	21	18.3	33	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	25.41	22.71	33	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	25.47	22.77	33	PASS



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

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

South of No. 6 Plant, No. 1, 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

Report No.: SUAR/2021/C000302

Rev.: 01

Page: 5 of 56

N38	30	40	DFT-PI2BPSK	M	Outer_Full	24.55	21.85	33	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	25.49	22.79	33	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	25.4	22.7	33	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	24.55	21.85	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	24.55	21.85	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	24.34	21.64	33	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	23.52	20.82	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	23.05	20.35	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	22.9	20.2	33	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	23	20.3	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	20.94	18.24	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	20.79	18.09	33	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	20.97	18.27	33	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	25.46	22.76	33	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	25.45	22.75	33	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	24.51	21.81	33	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	25.49	22.79	33	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	25.43	22.73	33	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	24.53	21.83	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	24.56	21.86	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	24.57	21.87	33	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	23.54	20.84	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	23.12	20.42	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	23.08	20.38	33	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	22.99	20.29	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	21.04	18.34	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	21.05	18.35	33	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	20.96	18.26	33	PASS



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

South of No. 6 Plant, No. 1, 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

ANT5:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.53	23.43	33	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.47	23.37	33	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	23.63	22.53	33	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	24.56	23.46	33	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Right	24.49	23.39	33	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	23.63	22.53	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	23.46	22.36	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	23.49	22.39	33	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	22.64	21.54	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	21.99	20.89	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	22.12	21.02	33	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	22.12	21.02	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	20.04	18.94	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	20.08	18.98	33	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	20.09	18.99	33	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.4	23.3	33	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.49	23.39	33	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	23.57	22.47	33	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	24.43	23.33	33	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Right	24.14	23.04	33	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	23.57	22.47	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	23.59	22.49	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	23.14	22.04	33	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	22.59	21.49	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	22	20.9	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	21.7	20.6	33	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	22.1	21	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	19.95	18.85	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Right	20.01	18.91	33	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	20.11	19.01	33	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	25.02	23.92	33	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.89	23.79	33	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	24.08	22.98	33	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	25.01	23.91	33	PASS



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

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

South of No. 6 Plant, No. 1, 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



Report No.: SUAR/2021/C000302

Rev.: 01

Page: 7 of 56

N38	30	20	DFT-QPSK	H	Inner_1RB_Right	24.93	23.83	33	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	24.09	22.99	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	24.07	22.97	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	24	22.9	33	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	23.11	22.01	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	22.55	21.45	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	22.42	21.32	33	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	22.59	21.49	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	20.51	19.41	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	20.42	19.32	33	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	20.57	19.47	33	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Left	25.29	24.19	33	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Right	25.31	24.21	33	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	24.38	23.28	33	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	25.28	24.18	33	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Right	25.28	24.18	33	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	24.35	23.25	33	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	24.44	23.34	33	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Right	24.43	23.33	33	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	23.35	22.25	33	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Left	22.88	21.78	33	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Right	22.83	21.73	33	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	22.89	21.79	33	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Left	20.72	19.62	33	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Right	20.82	19.72	33	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	20.91	19.81	33	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Left	25.38	24.28	33	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Right	25.22	24.12	33	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	24.46	23.36	33	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	25.36	24.26	33	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Right	25.3	24.2	33	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	24.5	23.4	33	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	24.43	23.33	33	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Right	24.29	23.19	33	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	23.48	22.38	33	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Left	22.87	21.77	33	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Right	22.81	21.71	33	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	22.96	21.86	33	PASS



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

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

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

N38	30	30	DFT-256QAM	M	Inner_1RB_Left	20.92	19.82	33	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Right	20.97	19.87	33	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	20.89	19.79	33	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Left	25.33	24.23	33	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Right	25.41	24.31	33	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	24.55	23.45	33	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	25.35	24.25	33	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Right	25.33	24.23	33	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	24.44	23.34	33	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	24.44	23.34	33	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Right	24.39	23.29	33	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	23.5	22.4	33	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Left	22.83	21.73	33	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Right	22.86	21.76	33	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	23.03	21.93	33	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Left	20.89	19.79	33	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Right	20.89	19.79	33	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	20.99	19.89	33	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	25.33	24.23	33	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	25.37	24.27	33	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	24.5	23.4	33	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	25.36	24.26	33	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	25.28	24.18	33	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	24.49	23.39	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	24.6	23.5	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	24.25	23.15	33	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	23.46	22.36	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	22.99	21.89	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	22.77	21.67	33	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	22.96	21.86	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	20.99	19.89	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	20.91	19.81	33	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	20.91	19.81	33	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	25.32	24.22	33	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	25.38	24.28	33	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	24.46	23.36	33	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	25.4	24.3	33	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	25.31	24.21	33	PASS



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

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

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

Report No.: SUAR/2021/C000302

Rev.: 01

Page: 9 of 56

N38	30	40	DFT-QPSK	M	Outer_Full	24.46	23.36	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	24.46	23.36	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	24.25	23.15	33	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	23.43	22.33	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	22.96	21.86	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	22.81	21.71	33	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	22.91	21.81	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	20.85	19.75	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	20.7	19.6	33	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	20.88	19.78	33	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	25.37	24.27	33	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	25.36	24.26	33	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	24.42	23.32	33	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	25.4	24.3	33	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	25.34	24.24	33	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	24.44	23.34	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	24.47	23.37	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	24.48	23.38	33	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	23.45	22.35	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	23.03	21.93	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	22.99	21.89	33	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	22.9	21.8	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	20.95	19.85	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	20.96	19.86	33	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	20.87	19.77	33	PASS



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

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

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

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Duty Cycle	Factor	Result	Limit	Verdict
N38	30	40	DFT-256QAM	L	Outer_Full	19.6%	7.08	1.10	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	19.6%	7.08	0.91	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	19.6%	7.08	0.77	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	19.6%	7.08	0.83	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	19.6%	7.08	1.05	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	19.6%	7.08	1.14	≤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-N38-30-40-L-1-DFT-256QAM-Outer_Full-100@0-A
nt2-8.18-19.6%-7.08-1.10-PASS-≤13



1-N38-30-40-L-2-CP-256QAM-Outer_Full-106@0-A
nt2-7.99-19.6%-7.08-0.91-PASS-≤13



1-N38-30-40-M-1-DFT-256QAM-Outer_Full-100@0-A
Ant2-7.85-19.6%-7.08-0.77-PASS-≤13



1-N38-30-40-M-2-CP-256QAM-Outer_Full-106@0-A
nt2-7.91-19.6%-7.08-0.83-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: (86-795) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N38-30-40-H-1-DFT-256QAM-Outer_Full-100@0-A
nt2-8.13-19.6%-7.08-1.05-PASS≤13



1-N38-30-40-H-2-CP-256QAM-Outer_Full-106@0-A
nt2-8.22-19.6%-7.08-1.14-PASS≤13



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

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

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

Modulation characteristics for SA

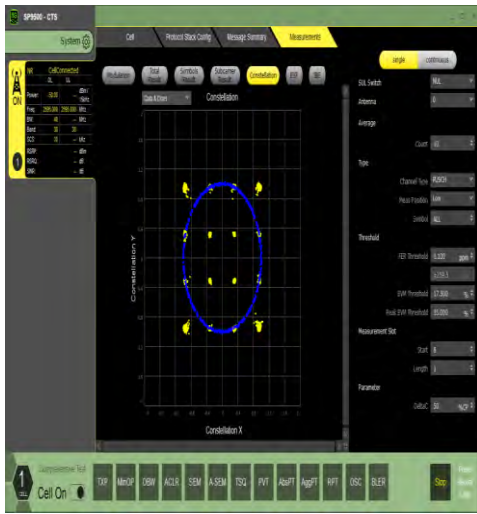
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-256QAM	M	Outer_Full	see graph	PASS

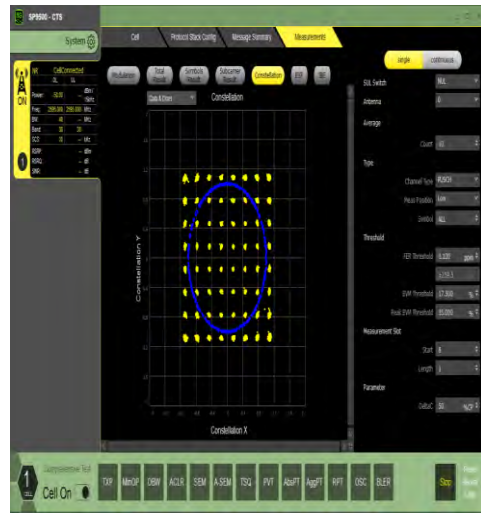
Test Graphs

<p>1-N38-30-40-M-1-DFT-PI2BPSK-Outer_Full-100@0-Ant2-see graph-PASS</p>	<p>1-N38-30-40-M-2-DFT-QPSK-Outer_Full-100@0-Ant2-see graph-PASS</p>

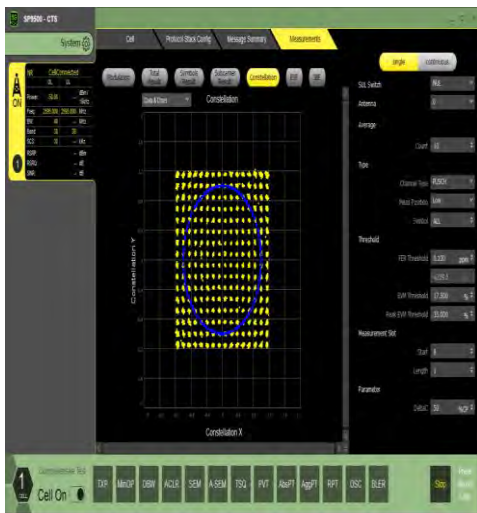




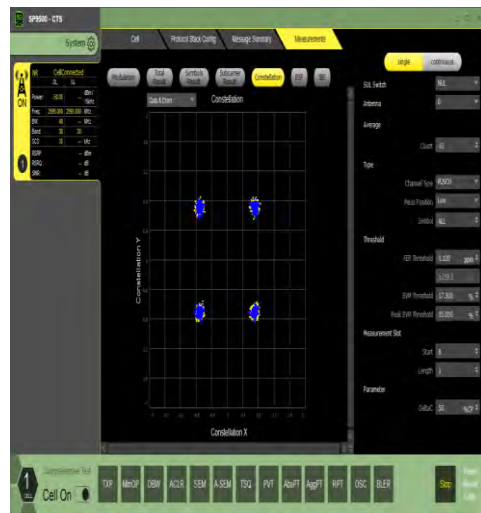
1-N38-30-40-M-3-DFT-16QAM-Outer_Full-100@0-An
t2-see graph-PASS



1-N38-30-40-M-4-DFT-64QAM-Outer_Full-100@0-A
nt2-see graph-PASS



1-N38-30-40-M-5-DFT-256QAM-Outer_Full-100@0-A
nt2-see graph-PASS



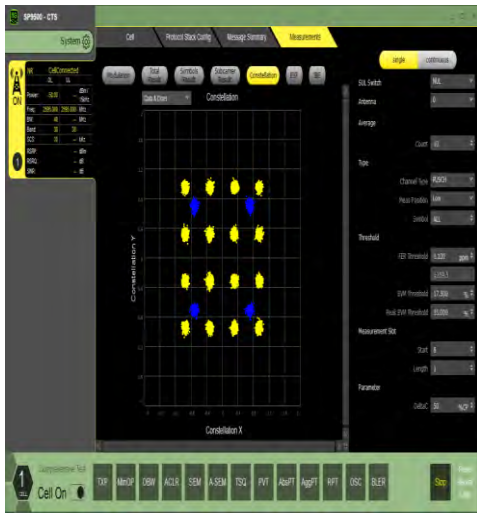
1-N38-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant
2-see graph-PASS



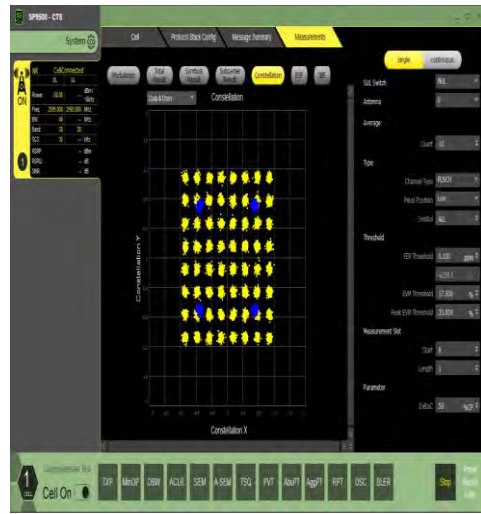
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

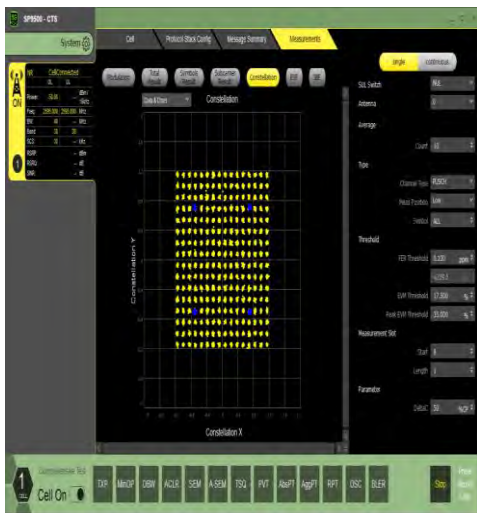
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



1-N38-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant
2-see graph-PASS



1-N38-30-40-M-8-CP-64QAM-Outer_Full-106@0-A
nt2-see graph-PASS



1-N38-30-40-M-9-CP-256QAM-Outer_Full-106@0-An
t2-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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	30	20	DFT-QPSK	L	Outer_Full	17.876	19.08	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.824	19.19	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.829	19.13	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.847	18.98	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.827	19.11	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.209	19.61	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.208	19.50	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.232	19.50	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.208	19.53	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.817	19.03	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.871	19.05	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.867	19.20	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.839	19.14	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.877	19.01	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.225	19.89	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.230	19.68	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.218	20.26	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.209	19.37	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	17.836	19.05	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	17.858	19.11	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	17.861	19.15	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	17.825	19.05	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	17.848	19.11	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.202	19.60	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.228	19.84	PASS
N38	30	20	CP-64QAM	H	Outer_Full	18.232	20.32	PASS
N38	30	20	CP-256QAM	H	Outer_Full	18.204	19.38	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	26.797	28.32	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	26.788	28.36	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	26.790	28.33	PASS



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

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

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



Report No.: SUAR/2021/C000302

Rev.: 01

Page: 17 of 56

N38	30	30	DFT-64QAM	L	Outer_Full	26.793	28.29	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	26.794	28.08	PASS
N38	30	30	CP-QPSK	L	Outer_Full	27.823	29.45	PASS
N38	30	30	CP-16QAM	L	Outer_Full	27.810	29.29	PASS
N38	30	30	CP-64QAM	L	Outer_Full	27.835	29.37	PASS
N38	30	30	CP-256QAM	L	Outer_Full	27.831	29.41	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.798	28.37	PASS
N38	30	30	DFT-P12BPSK	M	Outer_Full	26.804	28.36	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	26.810	28.24	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	26.807	28.37	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	26.799	28.32	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.836	29.30	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.842	30.40	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.804	29.37	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.805	29.38	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	26.772	28.44	PASS
N38	30	30	DFT-P12BPSK	H	Outer_Full	26.798	28.39	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	26.797	28.31	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	26.820	28.24	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	26.807	28.36	PASS
N38	30	30	CP-QPSK	H	Outer_Full	27.825	29.36	PASS
N38	30	30	CP-16QAM	H	Outer_Full	27.808	29.25	PASS
N38	30	30	CP-64QAM	H	Outer_Full	27.834	29.34	PASS
N38	30	30	CP-256QAM	H	Outer_Full	27.832	29.28	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	35.680	37.51	PASS
N38	30	40	DFT-P12BPSK	L	Outer_Full	35.716	37.48	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	35.660	37.38	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	35.712	37.49	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	35.690	37.46	PASS
N38	30	40	CP-QPSK	L	Outer_Full	37.772	39.63	PASS
N38	30	40	CP-16QAM	L	Outer_Full	37.828	39.52	PASS
N38	30	40	CP-64QAM	L	Outer_Full	37.787	39.95	PASS
N38	30	40	CP-256QAM	L	Outer_Full	37.801	39.59	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.762	37.39	PASS
N38	30	40	DFT-P12BPSK	M	Outer_Full	35.725	37.39	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.660	37.43	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.648	37.52	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.743	37.33	PASS



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

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

South of No. 6 Plant, No. 1, 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

Report No.: SUAR/2021/C000302

Rev.: 01

Page: 18 of 56

N38	30	40	CP-QPSK	M	Outer_Full	37.814	39.54	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.822	39.61	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.730	39.57	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.718	39.62	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	35.693	37.44	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	35.698	37.40	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	35.661	37.54	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	35.733	37.33	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	35.713	37.40	PASS
N38	30	40	CP-QPSK	H	Outer_Full	37.772	39.67	PASS
N38	30	40	CP-16QAM	H	Outer_Full	37.848	39.67	PASS
N38	30	40	CP-64QAM	H	Outer_Full	37.798	39.56	PASS
N38	30	40	CP-256QAM	H	Outer_Full	37.814	39.67	PASS

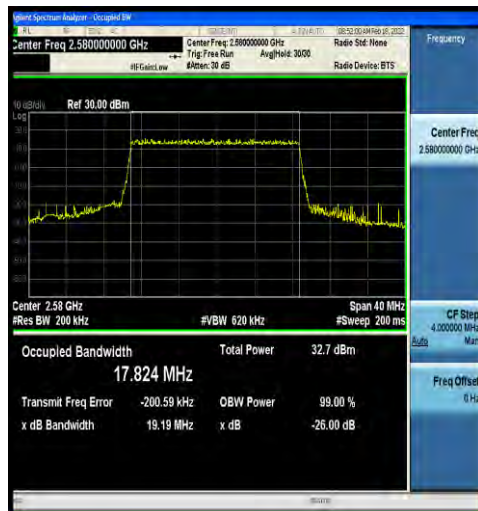


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

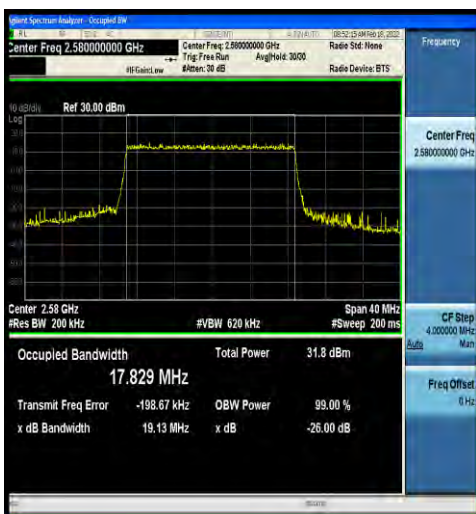
Test Graphs



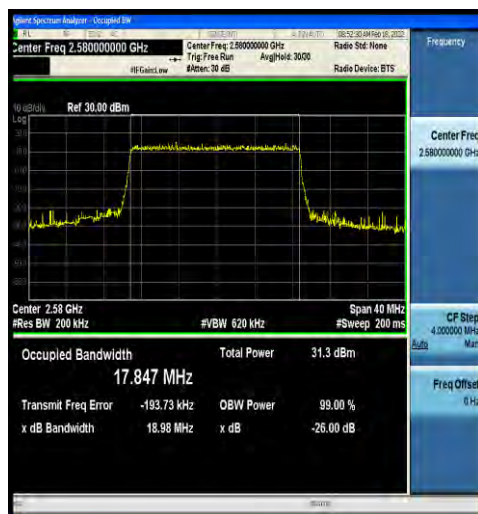
1-N38-30-20-L-1-DFT-QPSK-Outer_Full-50@0-Ant2-
 17.876-19.08-≤20-PASS



1-N38-30-20-L-2-DFT-PI2BPSK-Outer_Full-50@0-A
 nt2-17.824-19.19-≤20-PASS

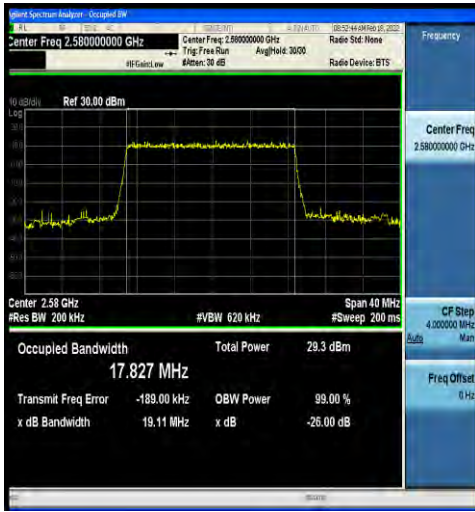


1-N38-30-20-L-3-DFT-16QAM-Outer_Full-50@0-Ant
 2-17.829-19.13-≤20-PASS

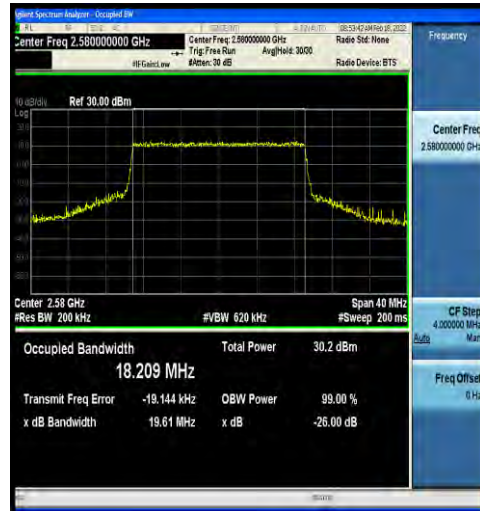


1-N38-30-20-L-4-DFT-64QAM-Outer_Full-50@0-Ant
 2-17.847-18.98-≤20-PASS





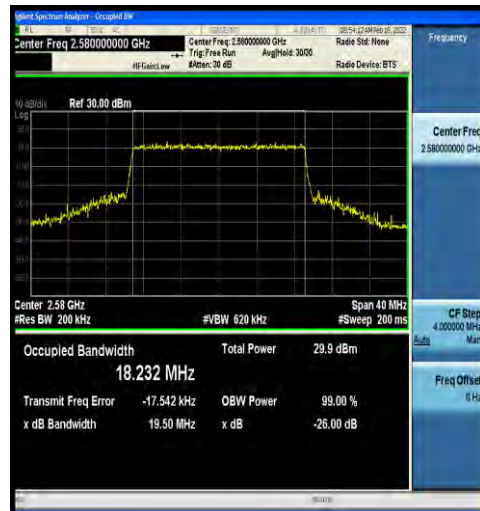
1-N38-30-20-L-5-DFT-256QAM-Outer_Full-50@0-Ant2-17.827-19.11-≤20-PASS



1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant2-18.209-19.61-≤20-PASS



1-N38-30-20-L-7-CP-16QAM-Outer_Full-51@0-Ant2-18.208-19.50-≤20-PASS

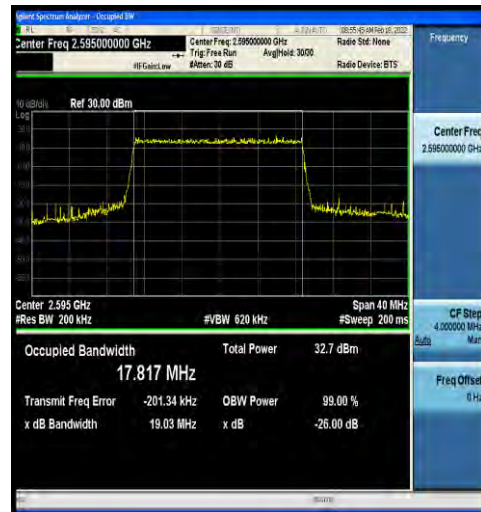


1-N38-30-20-L-8-CP-64QAM-Outer_Full-51@0-Ant2-18.232-19.50-≤20-PASS





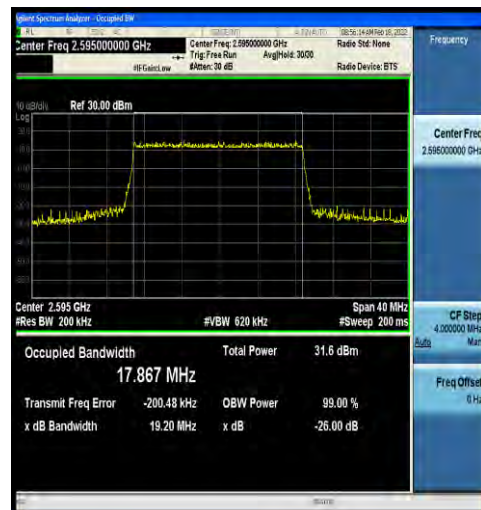
1-N38-30-20-L-9-CP-256QAM-Outer_Full-51@0-Ant
2-18.208-19.53-≤20-PASS



1-N38-30-20-M-1-DFT-QPSK-Outer_Full-50@0-Ant2
-17.817-19.03-≤20-PASS



1-N38-30-20-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant2
nt2-17.871-19.05-≤20-PASS



1-N38-30-20-M-3-DFT-16QAM-Outer_Full-50@0-Ant
2-17.867-19.20-≤20-PASS

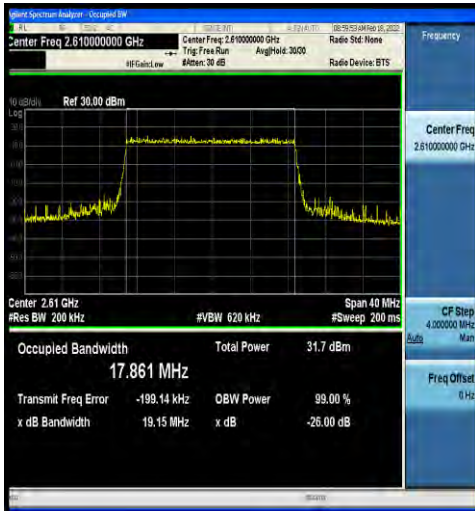


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

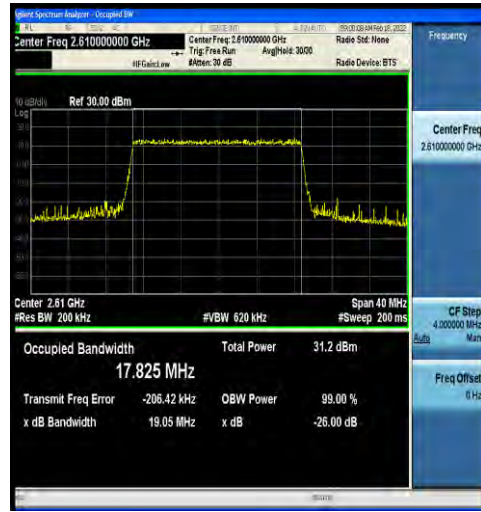
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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

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



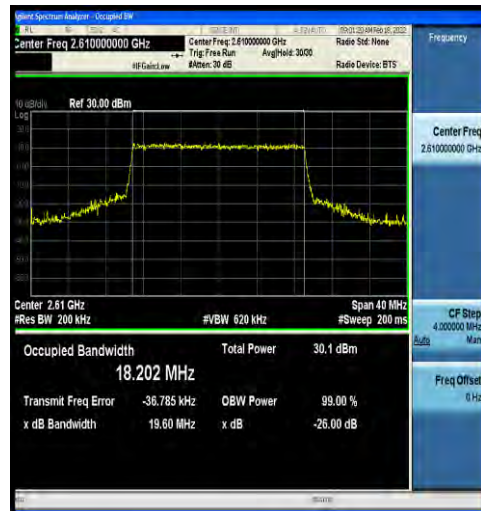
1-N38-30-20-H-3-DFT-16QAM-Outer_Full-50@0-Ant
2-17.861-19.15-≤20-PASS



1-N38-30-20-H-4-DFT-64QAM-Outer_Full-50@0-Ant
2-17.825-19.05-≤20-PASS



1-N38-30-20-H-5-DFT-256QAM-Outer_Full-50@0-Ant
nt2-17.848-19.11-≤20-PASS



1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant
2-18.202-19.60-≤20-PASS

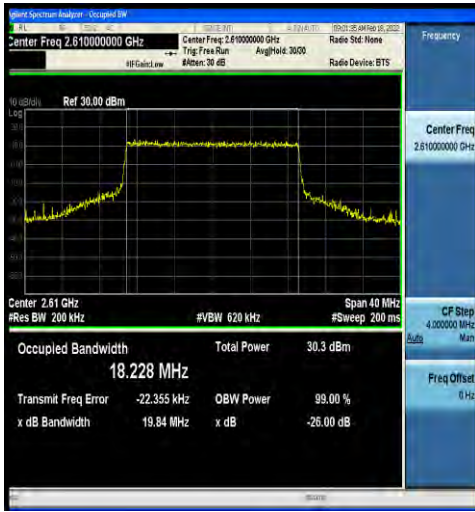


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

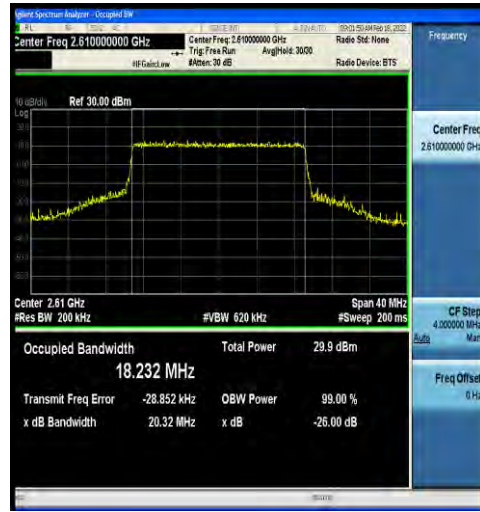
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

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

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



1-N38-30-20-H-7-CP-16QAM-Outer_Full-51@0-Ant2
-18.228-19.84-≤20-PASS



1-N38-30-20-H-8-CP-64QAM-Outer_Full-51@0-Ant2
-18.232-20.32-≤20-PASS

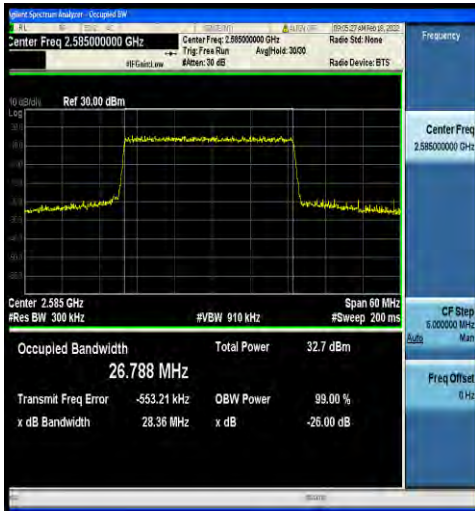


1-N38-30-20-H-9-CP-256QAM-Outer_Full-51@0-Ant
2-18.204-19.38-≤20-PASS

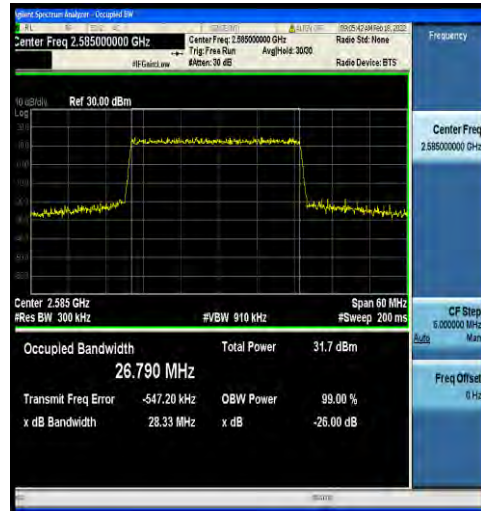


1-N38-30-30-L-1-DFT-QPSK-Outer_Full-75@0-Ant2
26.797-28.32-≤30-PASS

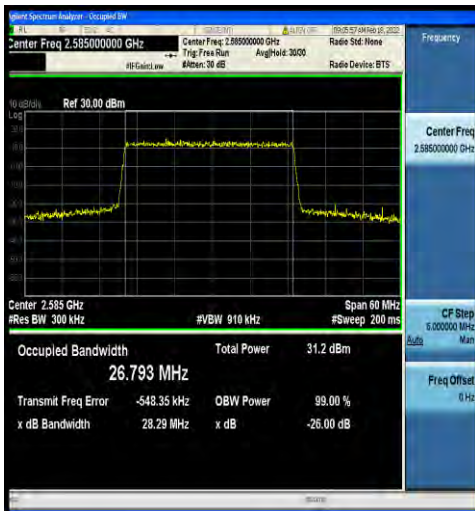




1-N38-30-30-L-2-DFT-PI2BPSK-Outer_Full-75@0-A
nt2-26.788-28.36-≤30-PASS



1-N38-30-30-L-3-DFT-16QAM-Outer_Full-75@0-Ant
2-26.790-28.33-≤30-PASS



1-N38-30-30-L-4-DFT-64QAM-Outer_Full-75@0-Ant
2-26.793-28.29-≤30-PASS



1-N38-30-30-L-5-DFT-256QAM-Outer_Full-75@0-Ant
t2-26.794-28.08-≤30-PASS

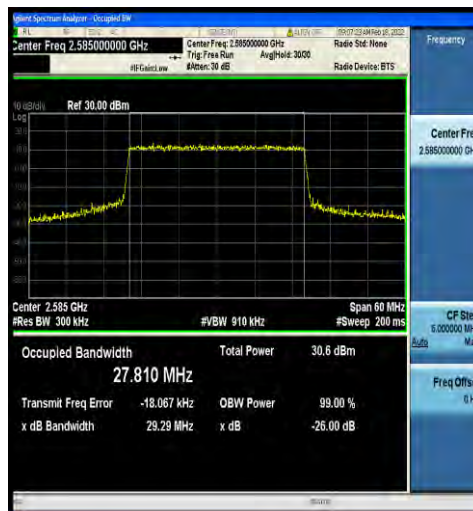


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, 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-N38-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant2-2
 7.823-29.45-≤30-PASS



1-N38-30-30-L-7-CP-16QAM-Outer_Full-78@0-Ant2
 -27.810-29.29-≤30-PASS

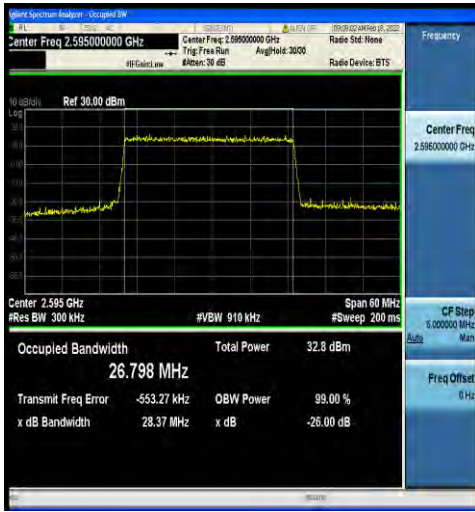


1-N38-30-30-L-8-CP-64QAM-Outer_Full-78@0-Ant2-2
 27.835-29.37-≤30-PASS

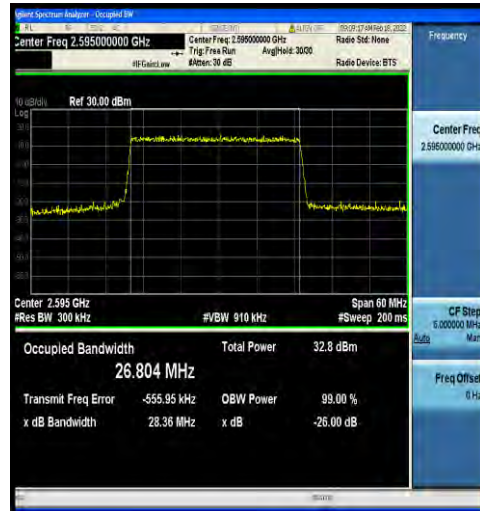


1-N38-30-30-L-9-CP-256QAM-Outer_Full-78@0-Ant
 2-27.831-29.41-≤30-PASS





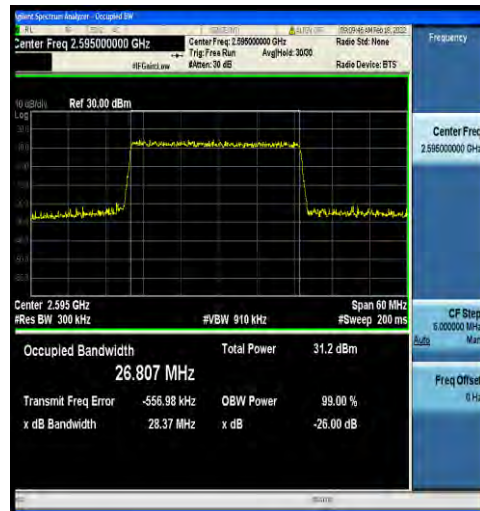
1-N38-30-30-M-1-DFT-QPSK-Outer_Full-75@0-Ant2
-26.798-28.37-≤30-PASS



1-N38-30-30-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant2-26.804-28.36-≤30-PASS



1-N38-30-30-M-3-DFT-16QAM-Outer_Full-75@0-Ant
2-26.810-28.24-≤30-PASS



1-N38-30-30-M-4-DFT-64QAM-Outer_Full-75@0-Ant
2-26.807-28.37-≤30-PASS



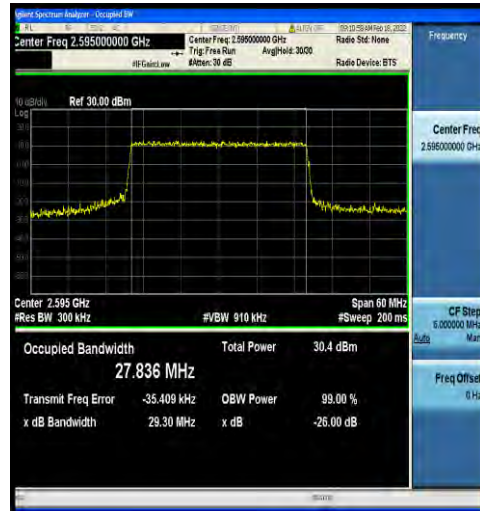
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

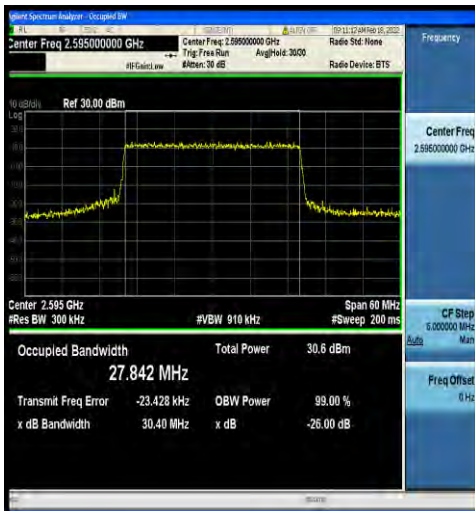
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



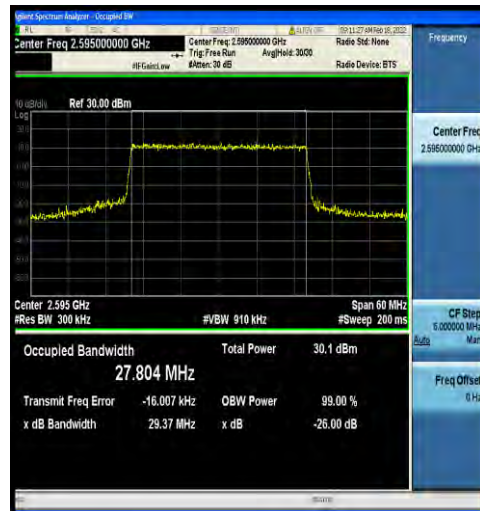
1-N38-30-30-M-5-DFT-256QAM-Outer_Full-75@0-A
nt2-26.799-28.32-≤30-PASS



1-N38-30-30-M-6-CP-QPSK-Outer_Full-78@0-Ant2-
27.836-29.30-≤30-PASS



1-N38-30-30-M-7-CP-16QAM-Outer_Full-78@0-Ant2
-27.842-30.40-≤30-PASS



1-N38-30-30-M-8-CP-64QAM-Outer_Full-78@0-Ant
2-27.804-29.37-≤30-PASS



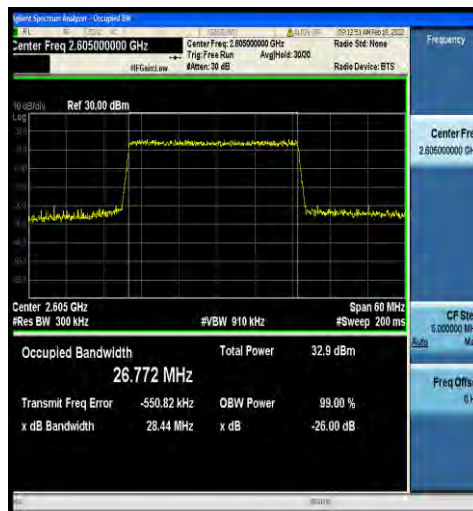
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

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

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



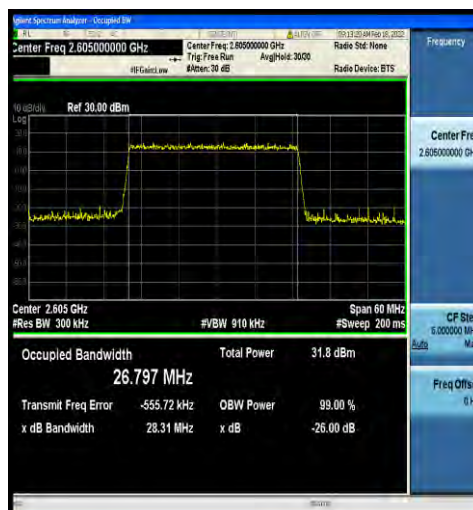
1-N38-30-30-M-9-CP-256QAM-Outer_Full-78@0-Ant
 2-27.805-29.38-≤30-PASS



1-N38-30-30-H-1-DFT-QPSK-Outer_Full-75@0-Ant2
 -26.772-28.44-≤30-PASS



1-N38-30-30-H-2-DFT-PI2BPSK-Outer_Full-75@0-A
 nt2-26.798-28.39-≤30-PASS



1-N38-30-30-H-3-DFT-16QAM-Outer_Full-75@0-Ant
 2-26.797-28.31-≤30-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

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



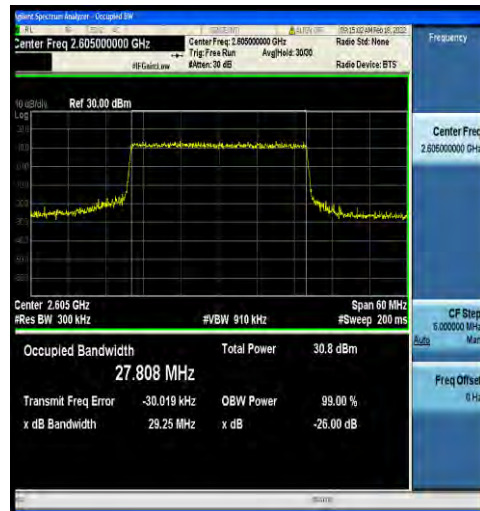
1-N38-30-30-H-4-DFT-64QAM-Outer_Full-75@0-Ant
2-26.820-28.24-≤30-PASS



1-N38-30-30-H-5-DFT-256QAM-Outer_Full-75@0-A
nt2-26.807-28.36-≤30-PASS



1-N38-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant2-
27.825-29.36-≤30-PASS

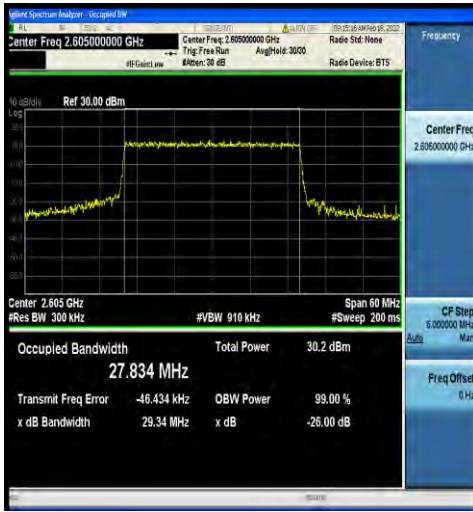


1-N38-30-30-H-7-CP-16QAM-Outer_Full-78@0-Ant2
-27.808-29.25-≤30-PASS

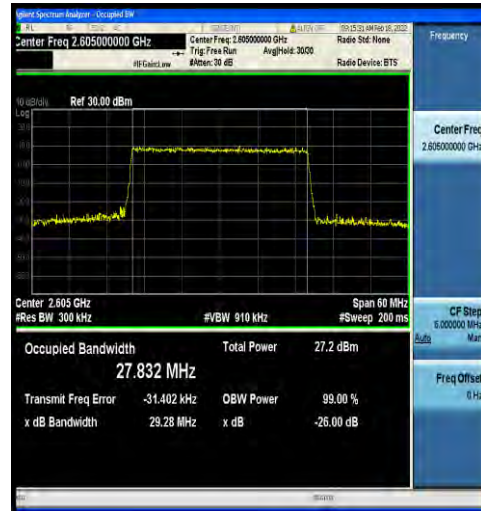


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

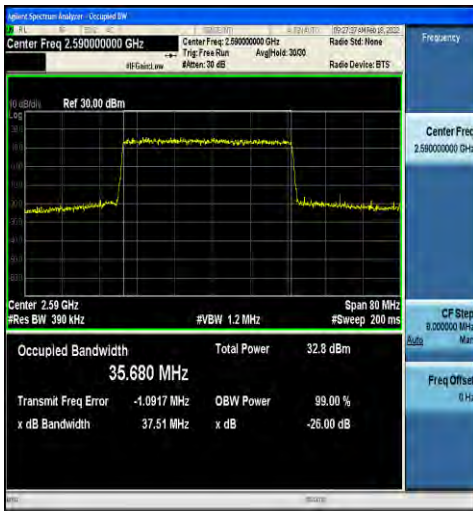
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N38-30-30-H-8-CP-64QAM-Outer_Full-78@0-Ant2
-27.834-29.34-≤30-PASS



1-N38-30-30-H-9-CP-256QAM-Outer_Full-78@0-Ant
2-27.832-29.28-≤30-PASS



1-N38-30-40-L-1-DFT-QPSK-Outer_Full-100@0-Ant
2-35.680-37.51-≤40-PASS



1-N38-30-40-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant2
35.716-37.48-≤40-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

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

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

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



1-N38-30-40-L-3-DFT-16QAM-Outer_Full-100@0-An
 t2-35.660-37.38-<=40-PASS



1-N38-30-40-L-4-DFT-64QAM-Outer_Full-100@0-An
 t2-35.712-37.49-<=40-PASS



1-N38-30-40-L-5-DFT-256QAM-Outer_Full-100@0-A
 nt2-35.690-37.46-<=40-PASS

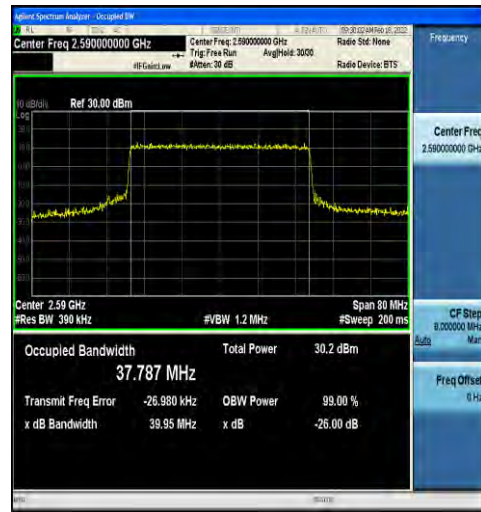


1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant2
 -37.772-39.63-<=40-PASS

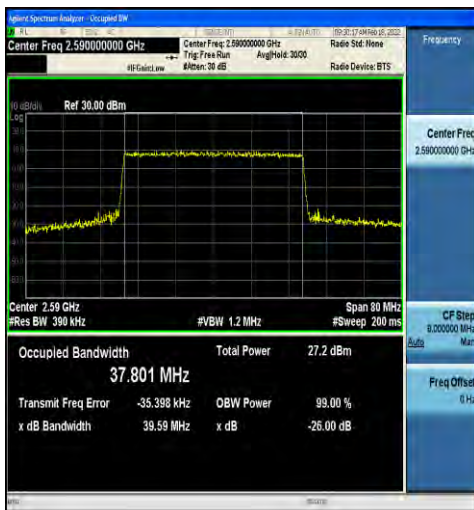




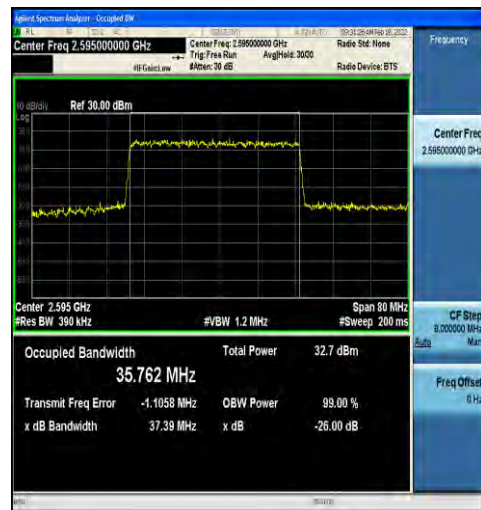
1-N38-30-40-L-7-CP-16QAM-Outer_Full-106@0-Ant
 2-37.828-39.52-≤40-PASS



1-N38-30-40-L-8-CP-64QAM-Outer_Full-106@0-Ant
 2-37.787-39.95-≤40-PASS



1-N38-30-40-L-9-CP-256QAM-Outer_Full-106@0-Ant
 t2-37.801-39.59-≤40-PASS



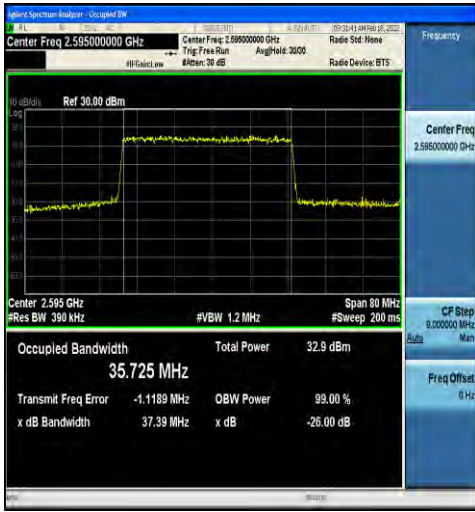
1-N38-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant
 2-35.762-37.39-≤40-PASS



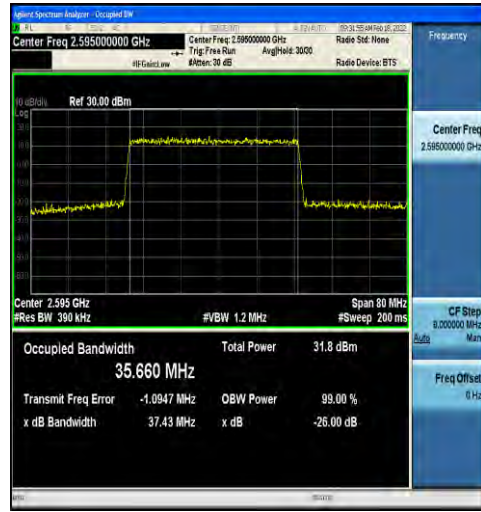
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, 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



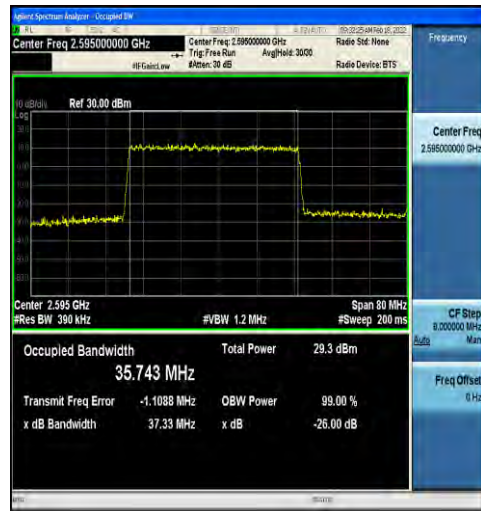
1-N38-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant2-35.725-37.39-≤40-PASS



1-N38-30-40-M-3-DFT-16QAM-Outer_Full-100@0-Ant2-35.660-37.43-≤40-PASS



1-N38-30-40-M-4-DFT-64QAM-Outer_Full-100@0-Ant2-35.648-37.52-≤40-PASS



1-N38-30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant2-35.743-37.33-≤40-PASS



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

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

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



1-N38-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant2
 -37.814-39.54-<40-PASS



1-N38-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant2
 t2-37.822-39.61-<40-PASS



1-N38-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant2
 2-37.730-39.57-<40-PASS

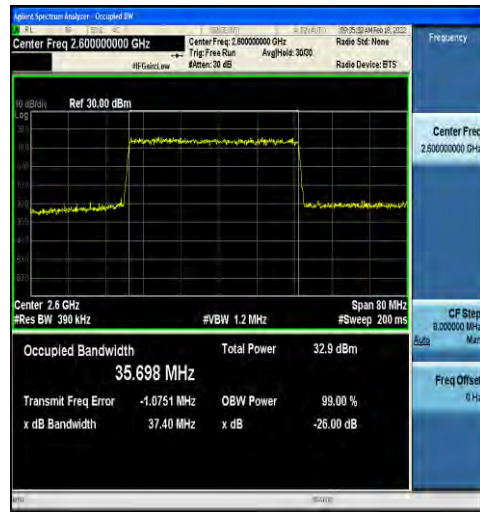


1-N38-30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant2
 nt2-37.718-39.62-<40-PASS

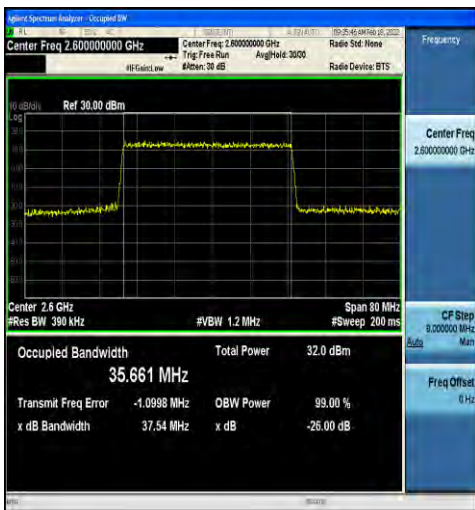




1-N38-30-40-H-1-DFT-QPSK-Outer_Full-100@0-Ant
2-35.693-37.44-≤40-PASS



1-N38-30-40-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant2-35.698-37.40-≤40-PASS



1-N38-30-40-H-3-DFT-16QAM-Outer_Full-100@0-Ant
nt2-35.661-37.54-≤40-PASS



1-N38-30-40-H-4-DFT-64QAM-Outer_Full-100@0-Ant
nt2-35.733-37.33-≤40-PASS



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

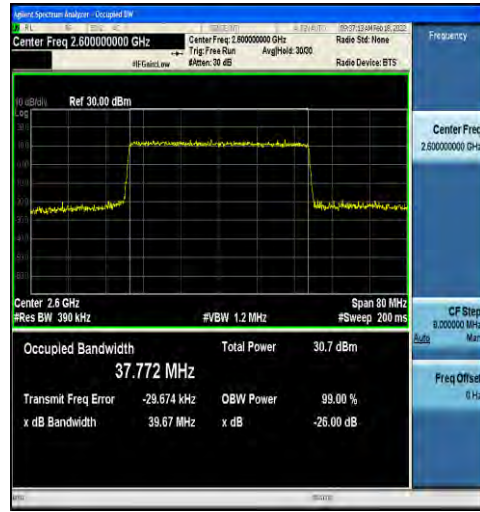
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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

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



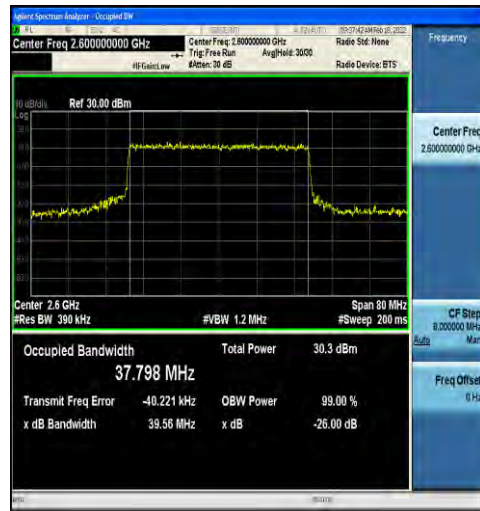
1-N38-30-40-H-5-DFT-256QAM-Outer_Full-100@0-Ant2-35.713-37.40-≤40-PASS



1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant2-37.772-39.67-≤40-PASS



1-N38-30-40-H-7-CP-16QAM-Outer_Full-106@0-Ant 2-37.848-39.67-≤40-PASS



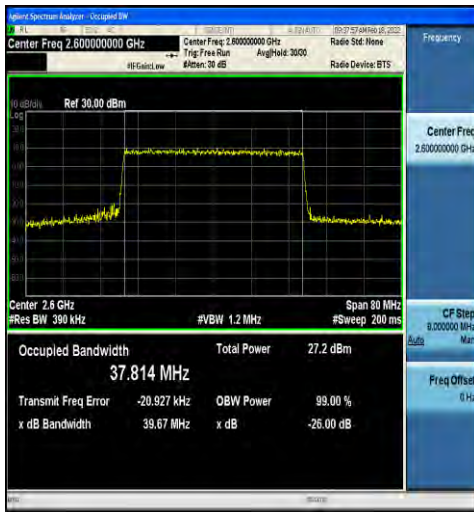
1-N38-30-40-H-8-CP-64QAM-Outer_Full-106@0-Ant 2-37.798-39.56-≤40-PASS



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-N38-30-40-H-9-CP-256QAM-Outer_Full-106@0-A
nt2-37.814-39.67-≤40-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.

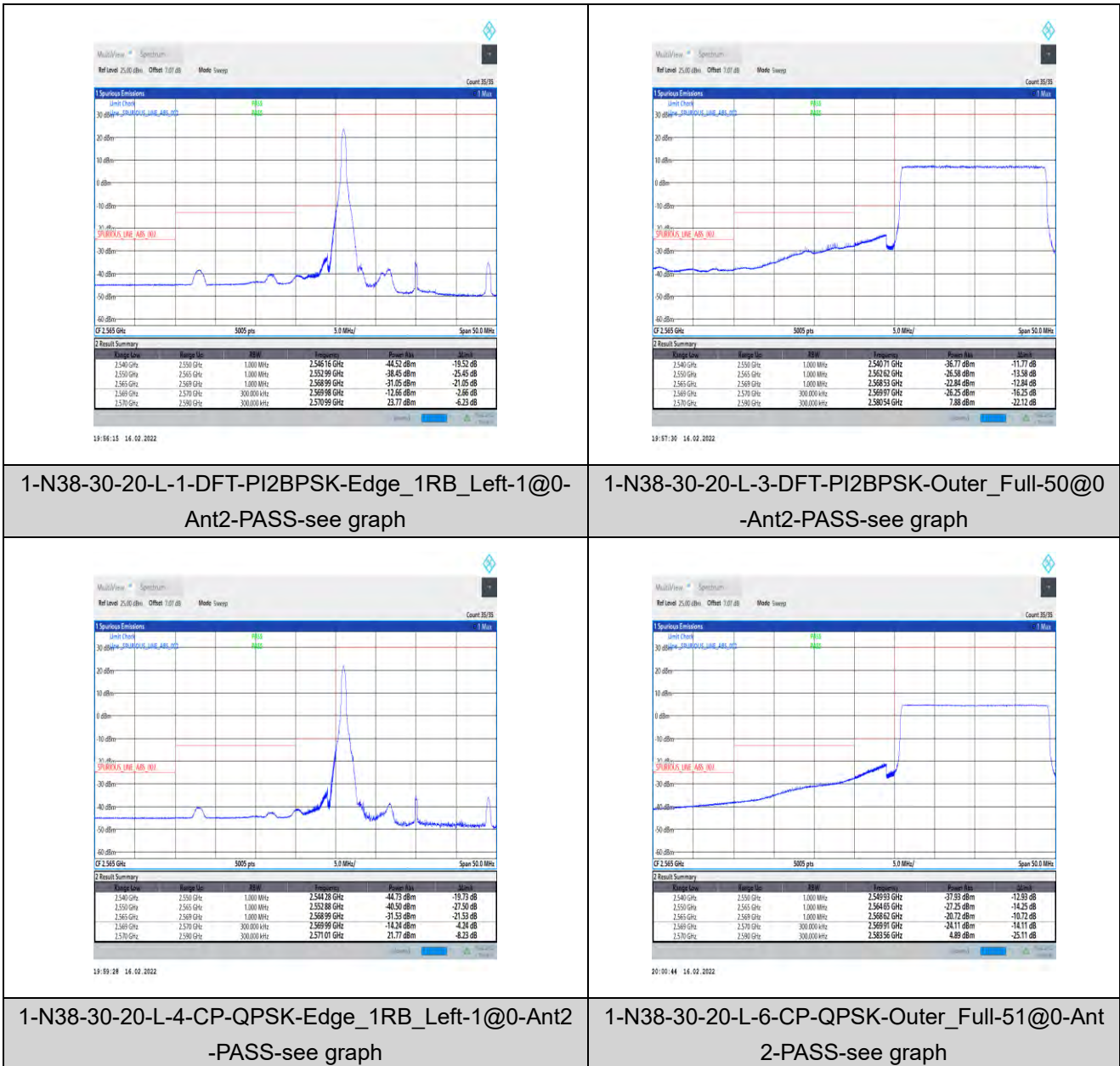
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

Band Edge for SA

Test Graphs

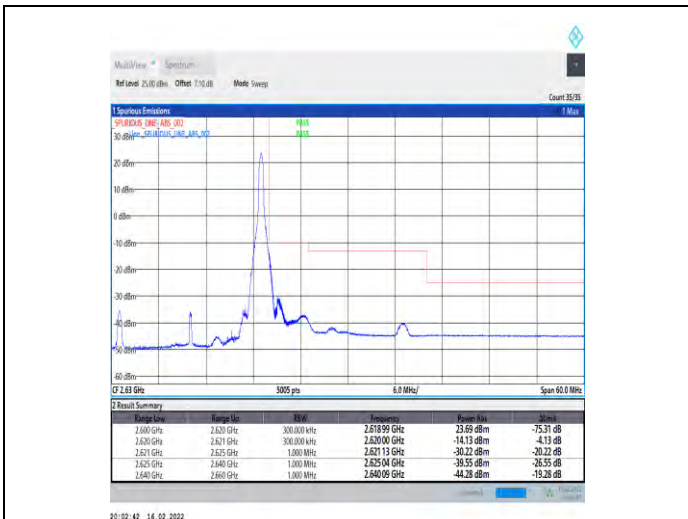


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

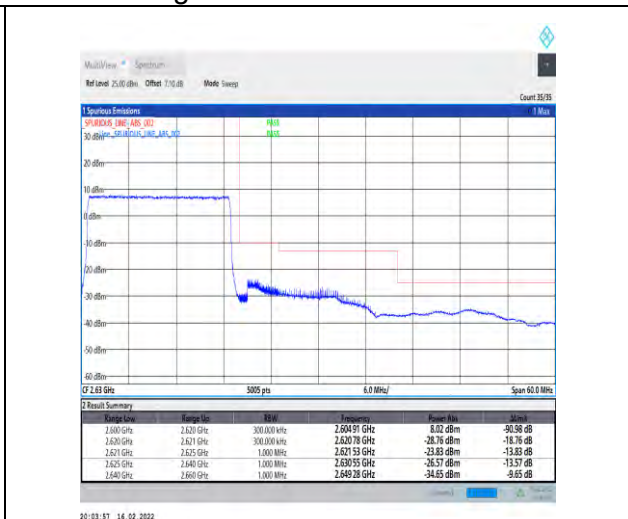
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-795) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Puzheng 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澄路1号的6号厂房南楼 邮编: 215000

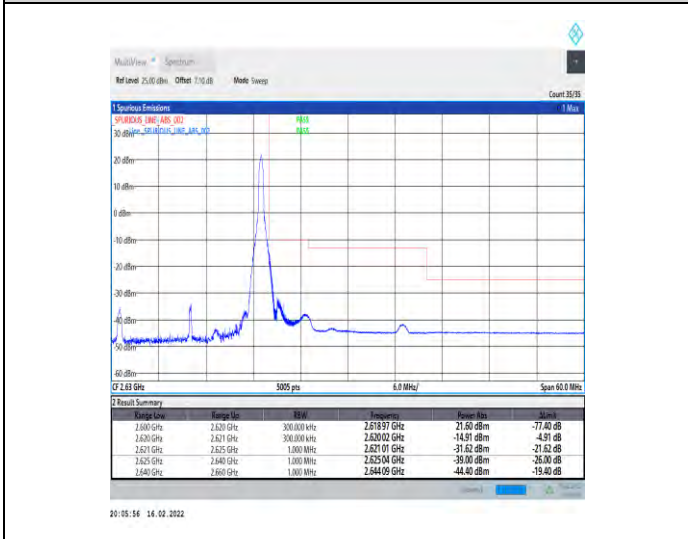
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



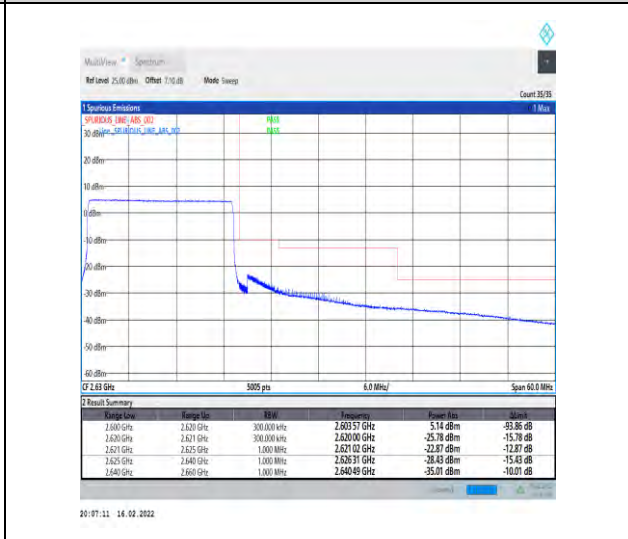
1-N38-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@50-Ant2-PASS-see graph



1-N38-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant2-PASS-see graph



1-N38-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant2-PASS-see graph



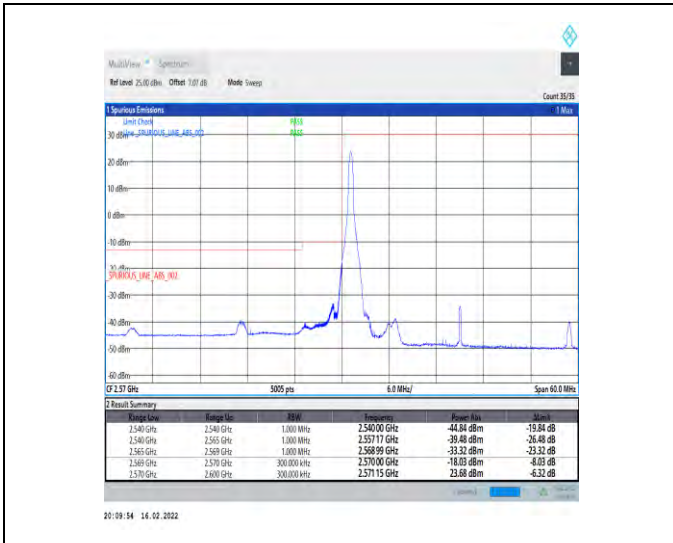
1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant2-PASS-see graph



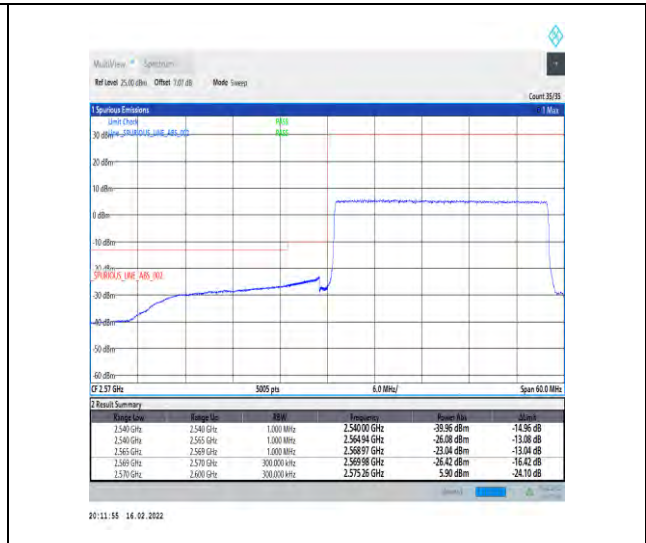
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

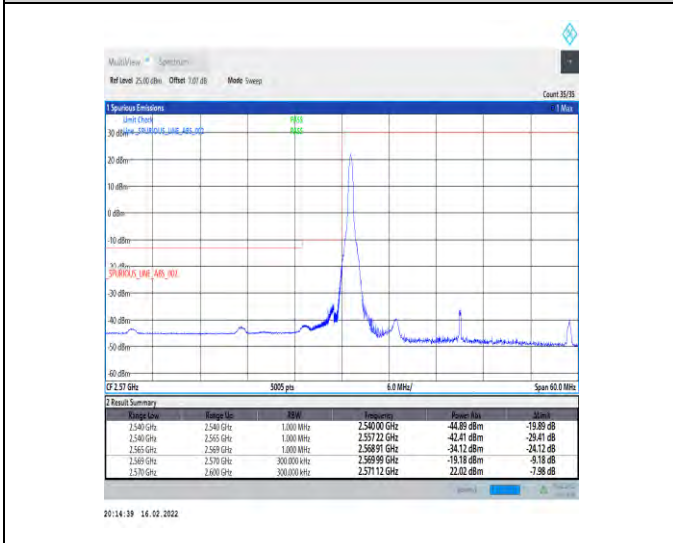
South of No. 6 Plant, No. 1, Punsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



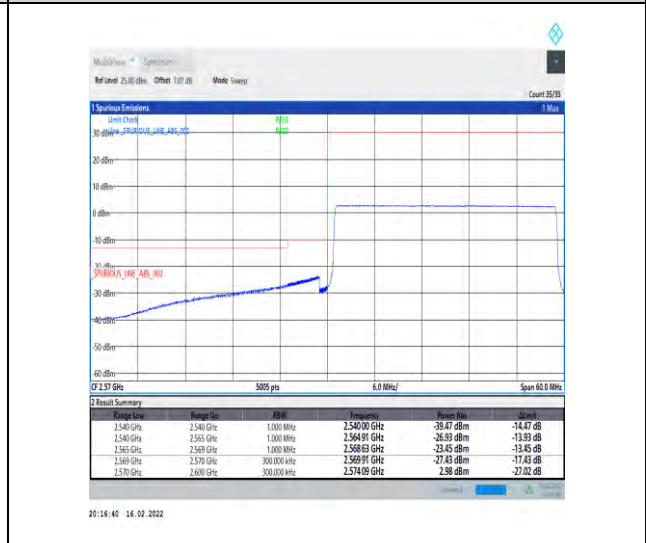
1-N38-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-PASS-see graph



1-N38-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant2-PASS-see graph



1-N38-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant 2-PASS-see graph



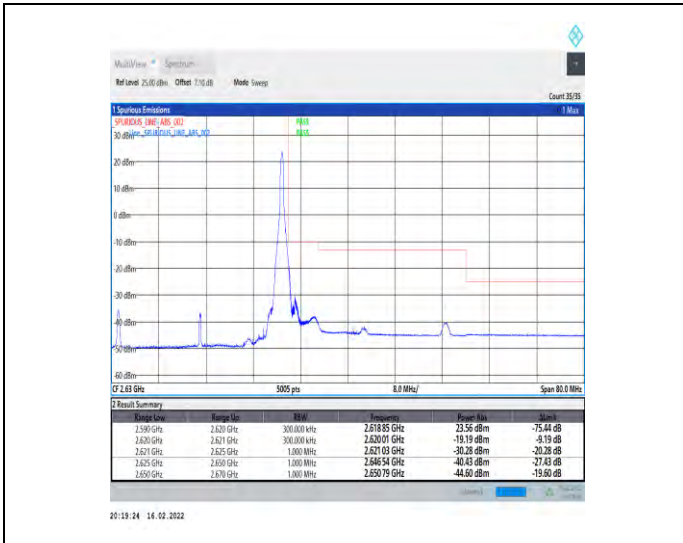
1-N38-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant2 -PASS-see graph



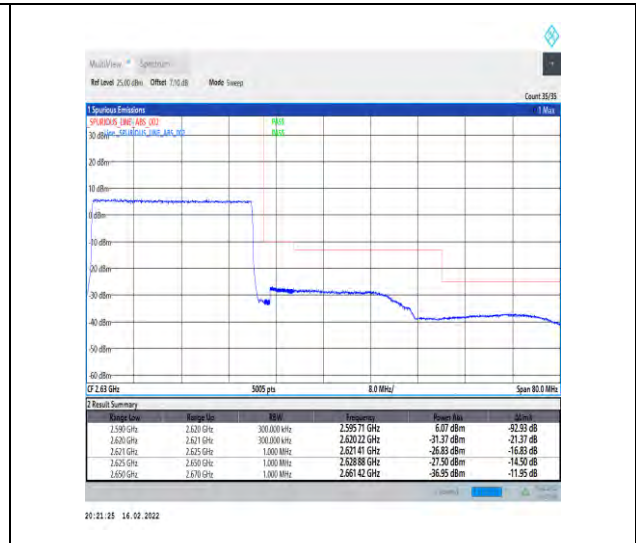
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: (86-795) 8307 1443, or email: CN.Doccheck@sgs.com

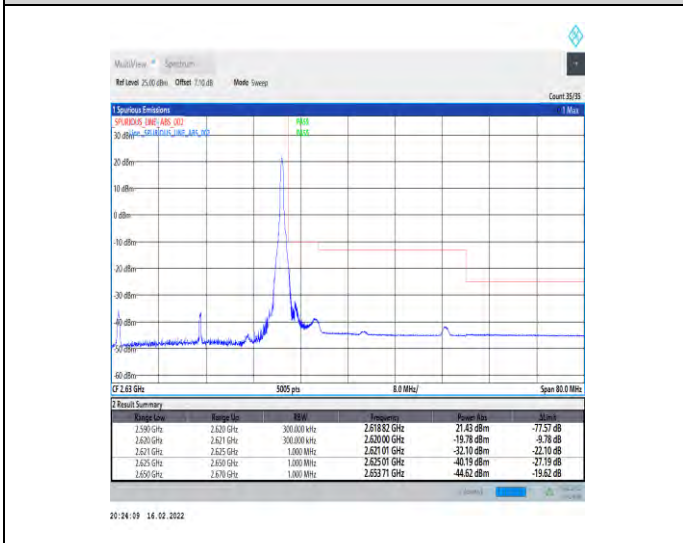
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



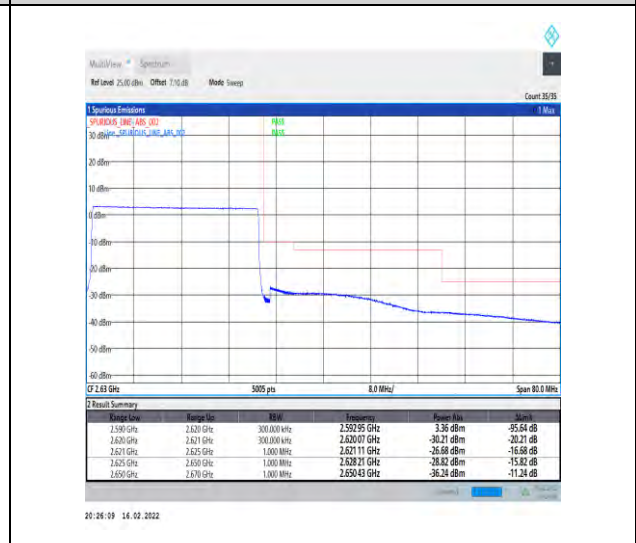
1-N38-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@77-Ant2-PASS-see graph



1-N38-30-30-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant2-PASS-see graph



1-N38-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant2-PASS-see graph



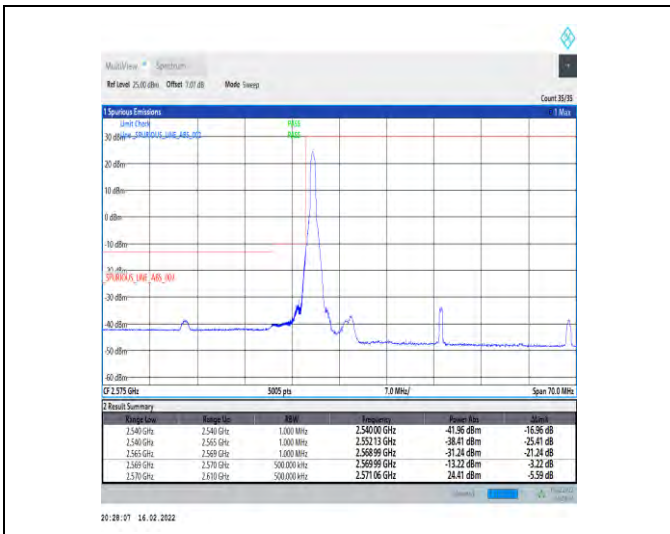
1-N38-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant2-PASS-see graph



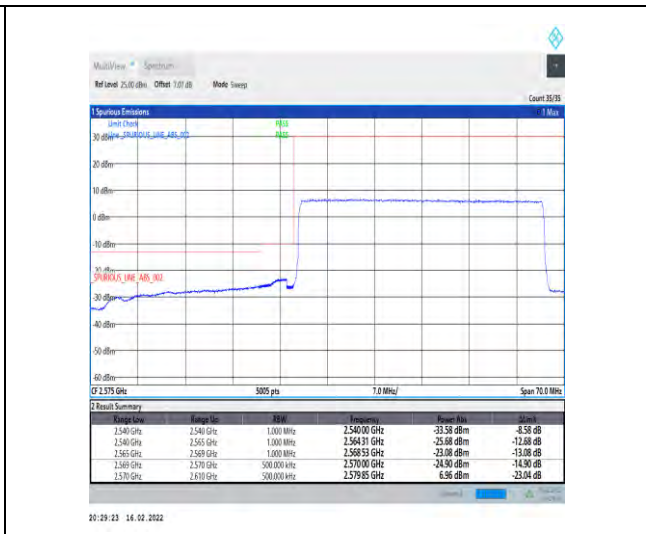
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: (86-795) 8307 1443, or email: CN.Doccheck@sgs.com

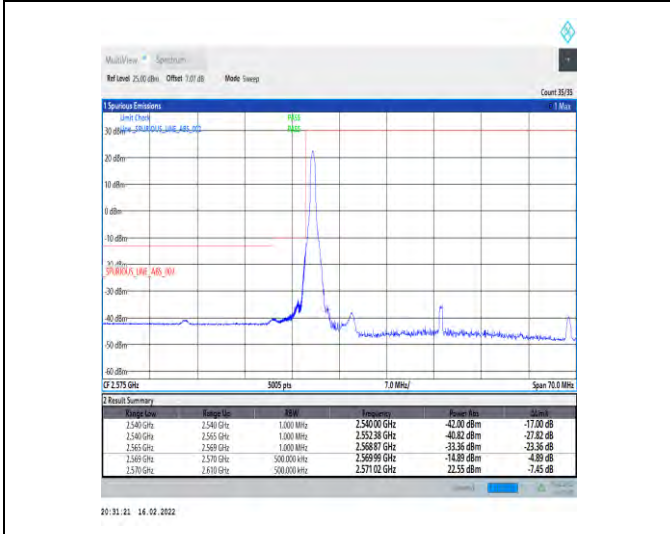
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



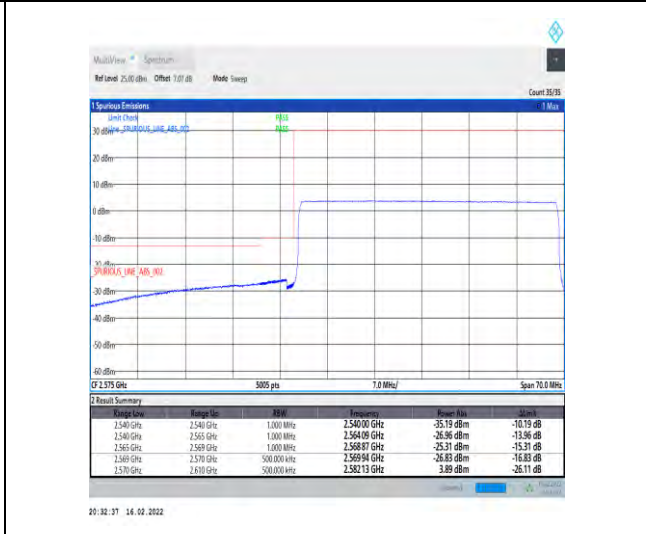
1-N38-30-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-PASS-see graph



1-N38-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant2-PASS-see graph



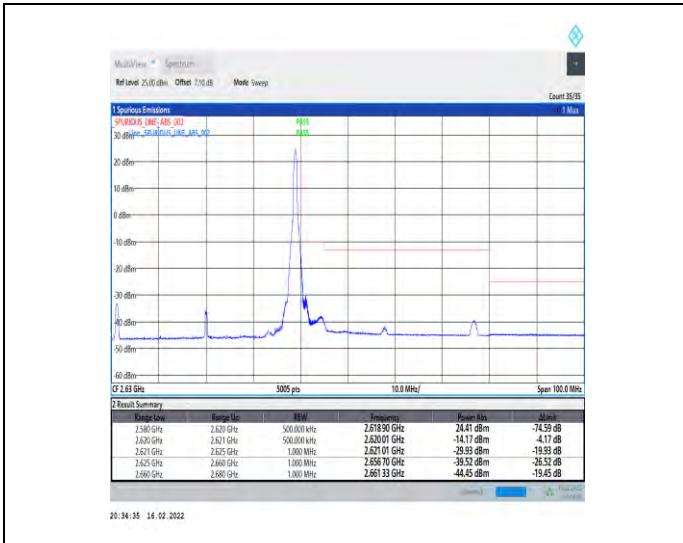
1-N38-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant 2-PASS-see graph



1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant 2-PASS-see graph



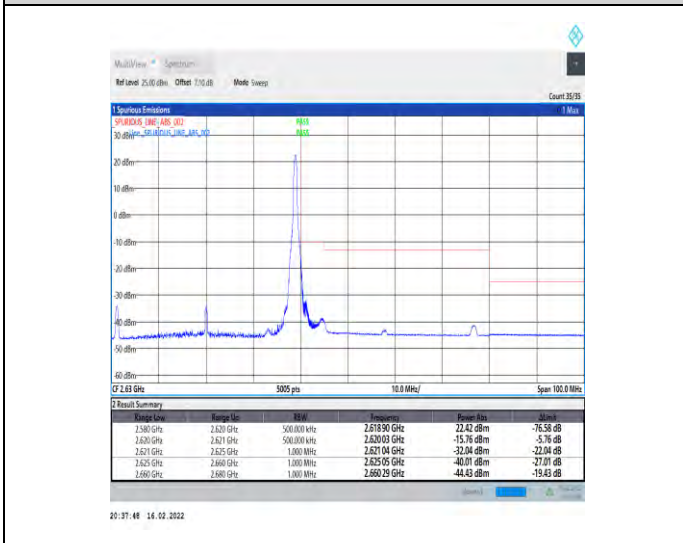
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



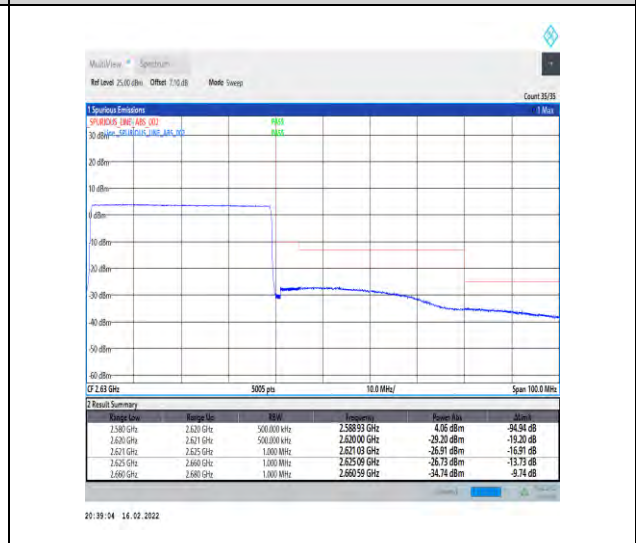
1-N38-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant2-PASS-see graph



1-N38-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant2-PASS-see graph



1-N38-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant2-PASS-see graph



1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant2-PASS-see graph



Conducted Spurious Emission for SA

Test Result

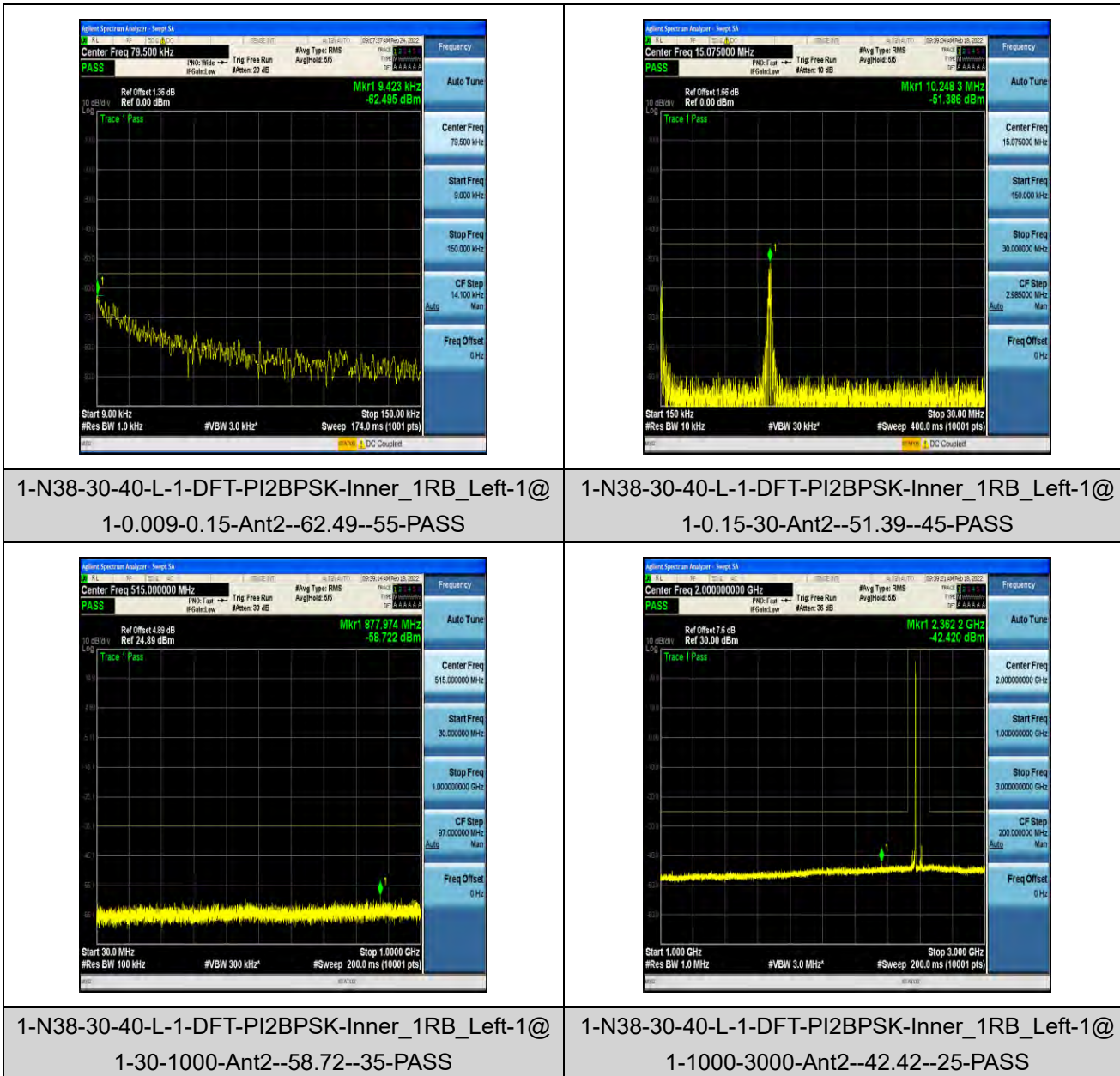
Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	0.009	0.15	-62.49	-55	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	0.15	30	-51.39	-45	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	30	1000	-58.72	-35	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	1000	3000	-42.42	-25	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	3000	12000	-44.24	-25	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	12000	27000	-28.86	-25	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	0.009	0.15	-64.10	-55	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	0.15	30	-49.30	-45	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	30	1000	-58.65	-35	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	1000	3000	-41.90	-25	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	3000	12000	-44.77	-25	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	12000	27000	-29.33	-25	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	0.009	0.15	-61.70	-55	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	0.15	30	-48.07	-45	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	30	1000	-58.46	-35	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	1000	3000	-42.55	-25	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	3000	12000	-45.42	-25	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	12000	27000	-29.49	-25	PASS



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

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

Test Graphs



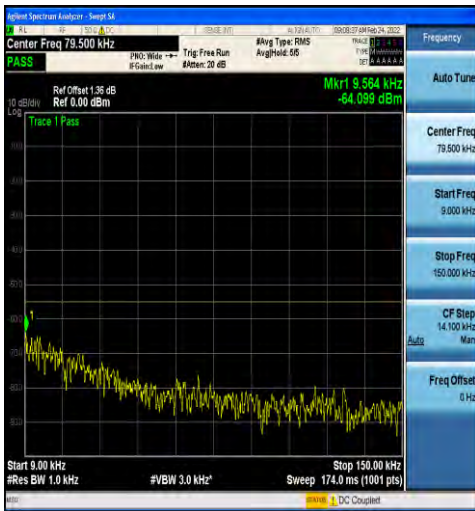
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-795) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



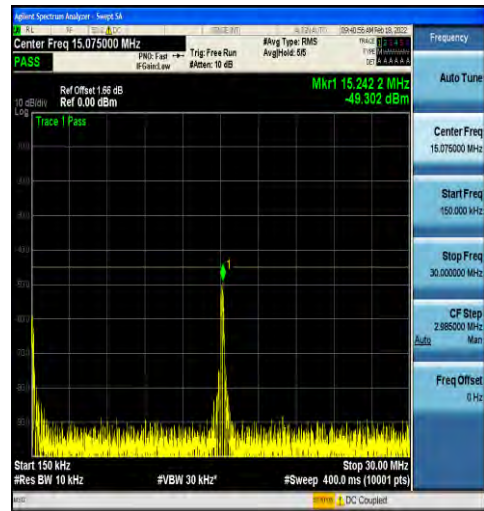
1-N38-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant2--44.24--25-PASS



1-N38-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-27000-Ant2--28.86--25-PASS



1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant2--64.10--55-PASS



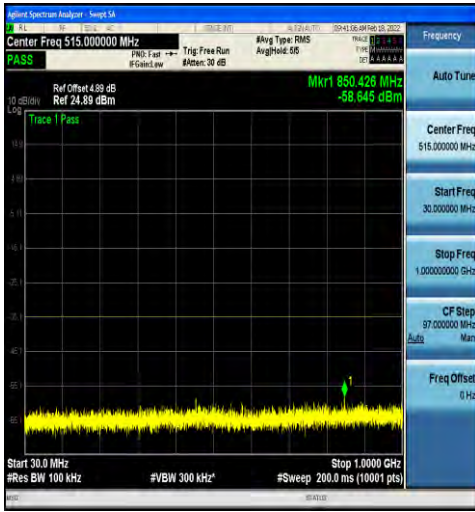
1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant2--49.30--45-PASS



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

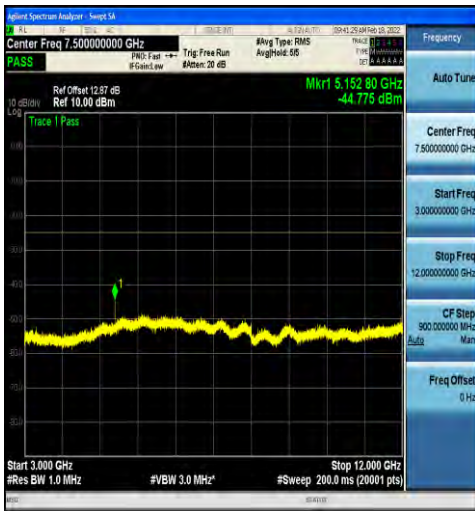
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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



1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-30-1000-Ant2--58.65--35-PASS

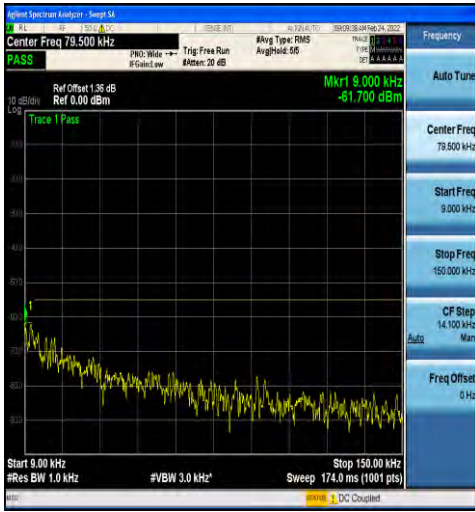
1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-1000-3000-Ant2--41.90--25-PASS



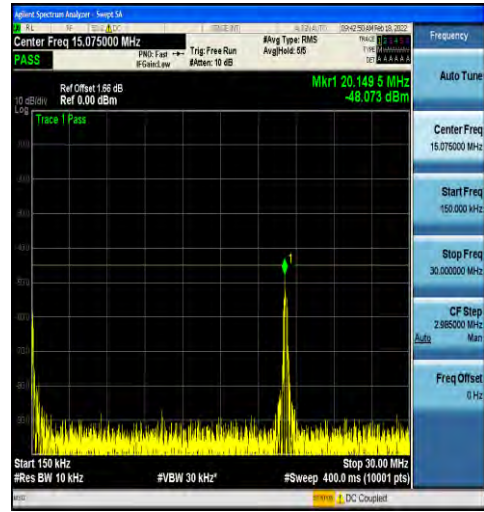
1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-3000-12000-Ant2--44.77--25-PASS

1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-12000-27000-Ant2--29.33--25-PASS

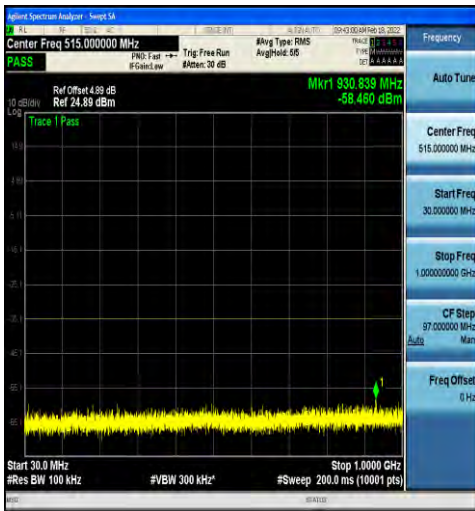




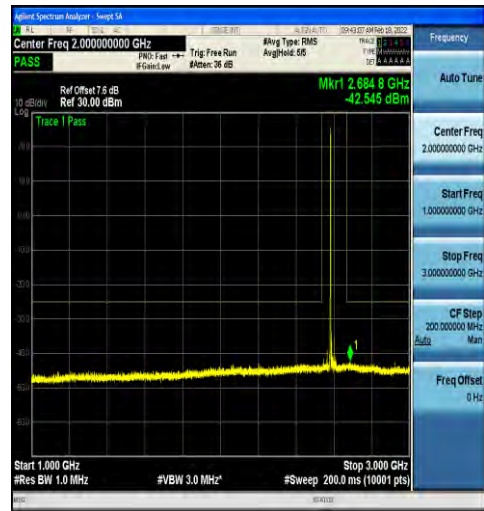
1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-0.009-0.15-Ant2--61.70--55-PASS



1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-0.15-30-Ant2--48.07--45-PASS



1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-30-1000-Ant2--58.46--35-PASS



1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-1000-3000-Ant2--42.55--25-PASS





1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant2--45.42--25-PASS



1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-27000-Ant2--29.49--25-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) 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

Field Strength of Spurious Radiation

Test Band =SA_Band 38_TM1 ANT2

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	5142.18	51.89	-106.89	-55.00	-25.00	30.00	123	78	Horizontal
2	7712.1429	66.07	-99.58	-33.51	-25.00	8.51	145	93	Horizontal
3	10284.36	43.30	-93.24	-49.94	-25.00	24.94	169	326	Horizontal
4	12855.45	43.15	-90.76	-47.61	-25.00	22.61	185	359	Horizontal
5	15426.54	41.07	-90.57	-49.50	-25.00	24.50	142	314	Horizontal
6	17997.63	39.48	-84.09	-44.61	-25.00	19.61	220	340	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	49.24	-106.89	-57.65	-25.00	32.65	148	186	Vertical
2	7713.27	65.66	-99.56	-33.90	-25.00	8.90	265	304	Vertical
3	10284.36	43.71	-93.24	-49.53	-25.00	24.53	296	359	Vertical
4	12855.45	42.36	-90.76	-48.40	-25.00	23.40	235	57	Vertical
5	15426.54	40.13	-90.57	-50.44	-25.00	25.44	147	102	Vertical
6	17997.63	39.55	-84.09	-44.54	-25.00	19.54	125	69	Vertical



Test Band =SA_Band 38_TM1 ANT2
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	4056.4286	49.89	-109.77	-59.88	-25.00	34.88	185	187	Horizontal
2	5172.18	51.63	-106.85	-55.22	-25.00	30.22	235	187	Horizontal
3	7757.1429	60.07	-99.17	-39.10	-25.00	14.10	142	257	Horizontal
4	10344.36	42.42	-93.05	-50.63	-25.00	25.63	269	26	Horizontal
5	12930.45	42.97	-90.61	-47.64	-25.00	22.64	172	269	Horizontal
6	15516.54	40.36	-90.85	-50.49	-25.00	25.49	201	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3572.1429	51.58	-111.04	-59.46	-25.00	34.46	186	173	Vertical
2	5172.18	49.53	-106.85	-57.32	-25.00	32.32	234	44	Vertical
3	7758.27	61.13	-99.15	-38.02	-25.00	13.02	198	126	Vertical
4	10344.36	42.18	-93.05	-50.87	-25.00	25.87	265	208	Vertical
5	12930.45	42.70	-90.61	-47.91	-25.00	22.91	147	160	Vertical
6	15516.54	41.54	-90.85	-49.31	-25.00	24.31	229	142	Vertical



Test Band =SA_Band 38_TM1 ANT2
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	4262.1429	50.84	-109.21	-58.37	-25.00	33.37	175	122	Horizontal
2	5202.18	53.74	-106.81	-53.07	-25.00	28.07	203	314	Horizontal
3	7802.1429	60.57	-98.78	-38.21	-25.00	13.21	266	327	Horizontal
4	10404.36	41.95	-92.78	-50.83	-25.00	25.83	189	3	Horizontal
5	13005.45	42.26	-90.54	-48.28	-25.00	23.28	192	339	Horizontal
6	15606.54	41.30	-90.76	-49.46	-25.00	24.46	213	127	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4729.2857	51.60	-107.62	-56.02	-25.00	31.02	159	327	Vertical
2	5202.18	50.26	-106.81	-56.55	-25.00	31.55	234	327	Vertical
3	7802.1429	61.31	-98.78	-37.47	-25.00	12.47	128	359	Vertical
4	10404.36	42.32	-92.78	-50.46	-25.00	25.46	222	120	Vertical
5	13005.45	42.00	-90.54	-48.54	-25.00	23.54	236	357	Vertical
6	15606.54	40.32	-90.76	-50.44	-25.00	25.44	180	32	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
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-8.045000	-0.003100	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-7.287000	-0.002808	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-9.880000	-0.003807	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	-18.303000	-0.007053	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	-4.199000	-0.001618	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-13.225000	-0.005096	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

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-8.485000	-0.003270	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-13.788000	-0.005313	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.171000	-0.001222	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.940000	-0.003445	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.709000	-0.001815	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-8.038000	-0.003097	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.669000	-0.002955	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.179000	-0.001996	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-9.528000	-0.003672	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	-10.159000	-0.003915	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	-7.353000	-0.002834	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	-6.386000	-0.002461	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	-10.695000	-0.004121	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	-3.677000	-0.001417	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	-6.019000	-0.002319	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	-8.741000	-0.003368	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	-6.827000	-0.002631	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	-11.918000	-0.004593	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, 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