

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 1 of 260

Appendix B.46

NR Band n78(3700-3980)



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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 2 of 260

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N78-3700-3800	30	10	DFT-QPSK	L	Inner_1RB_Left	26.28	27.28	30.00	PASS
N78-3700-3800	30	10	DFT-16QAM	L	Inner_1RB_Left	25.83	26.83	30.00	PASS
N78-3700-3800	30	10	DFT-QPSK	M	Inner_1RB_Left	26.35	27.35	30.00	PASS
N78-3700-3800	30	10	DFT-16QAM	M	Inner_1RB_Left	25.91	26.91	30.00	PASS
N78-3700-3800	30	10	DFT-QPSK	H	Inner_1RB_Left	26.66	27.66	30.00	PASS
N78-3700-3800	30	10	DFT-16QAM	H	Inner_1RB_Left	26.31	27.31	30.00	PASS
N78-3700-3800	30	15	DFT-QPSK	L	Inner_1RB_Left	26.35	27.35	30.00	PASS
N78-3700-3800	30	15	DFT-16QAM	L	Inner_1RB_Left	25.96	26.96	30.00	PASS
N78-3700-3800	30	15	DFT-QPSK	M	Inner_1RB_Left	26.4	27.4	30.00	PASS
N78-3700-3800	30	15	DFT-16QAM	M	Inner_1RB_Left	26.01	27.01	30.00	PASS
N78-3700-3800	30	15	DFT-QPSK	H	Inner_1RB_Left	26.85	27.85	30.00	PASS
N78-3700-3800	30	15	DFT-16QAM	H	Inner_1RB_Left	26.44	27.44	30.00	PASS
N78-3700-3800	30	20	DFT-QPSK	L	Inner_1RB_Left	26.37	27.37	30.00	PASS
N78-3700-3800	30	20	DFT-16QAM	L	Inner_1RB_Left	25.91	26.91	30.00	PASS
N78-3700-3800	30	20	DFT-QPSK	M	Inner_1RB_Left	26.41	27.41	30.00	PASS
N78-3700-3800	30	20	DFT-16QAM	M	Inner_1RB_Left	26	27	30.00	PASS
N78-3700-3800	30	20	DFT-QPSK	H	Inner_1RB_Left	26.8	27.8	30.00	PASS
N78-3700-3800	30	20	DFT-16QAM	H	Inner_1RB_Left	26.39	27.39	30.00	PASS
N78-3700-3800	30	30	DFT-QPSK	L	Inner_1RB_Left	26.4	27.4	30.00	PASS
N78-3700-3800	30	30	DFT-16QAM	L	Inner_1RB_Left	26.03	27.03	30.00	PASS
N78-3700-3800	30	30	DFT-QPSK	M	Inner_1RB_Left	26.37	27.37	30.00	PASS
N78-3700-3800	30	30	DFT-16QAM	M	Inner_1RB_Left	26	27	30.00	PASS
N78-3700-3800	30	30	DFT-QPSK	H	Inner_1RB_Left	26.78	27.78	30.00	PASS
N78-3700-3800	30	30	DFT-16QAM	H	Inner_1RB_Left	26.55	27.55	30.00	PASS
N78-3700-3800	30	40	DFT-QPSK	L	Inner_1RB_Left	26.48	27.48	30.00	PASS
N78-3700-3800	30	40	DFT-16QAM	L	Inner_1RB_Left	26.08	27.08	30.00	PASS
N78-3700-3800	30	40	DFT-QPSK	M	Inner_1RB_Left	26.49	27.49	30.00	PASS
N78-3700-3800	30	40	DFT-16QAM	M	Inner_1RB_Left	26.07	27.07	30.00	PASS
N78-3700-3800	30	40	DFT-QPSK	H	Inner_1RB_Left	26.65	27.65	30.00	PASS
N78-3700-3800	30	40	DFT-16QAM	H	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3700-3800	30	50	DFT-QPSK	L	Inner_1RB_Left	26.11	27.11	30.00	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号厂房南座 邮编: 215000

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



Report No.: SEWA2309000114RG10

Rev.: 01

Page: 3 of 260

N78-3700-3800	30	50	DFT-16QAM	L	Inner_1RB_Left	25.76	26.76	30.00	PASS
N78-3700-3800	30	50	DFT-QPSK	M	Inner_1RB_Left	26.15	27.15	30.00	PASS
N78-3700-3800	30	50	DFT-16QAM	M	Inner_1RB_Left	25.76	26.76	30.00	PASS
N78-3700-3800	30	50	DFT-QPSK	H	Inner_1RB_Left	26.18	27.18	30.00	PASS
N78-3700-3800	30	50	DFT-16QAM	H	Inner_1RB_Left	25.77	26.77	30.00	PASS
N78-3700-3800	30	60	DFT-QPSK	L	Inner_1RB_Left	26	27	30.00	PASS
N78-3700-3800	30	60	DFT-16QAM	L	Inner_1RB_Left	25.64	26.64	30.00	PASS
N78-3700-3800	30	60	DFT-QPSK	M	Inner_1RB_Left	25.89	26.89	30.00	PASS
N78-3700-3800	30	60	DFT-16QAM	M	Inner_1RB_Left	25.63	26.63	30.00	PASS
N78-3700-3800	30	60	DFT-QPSK	H	Inner_1RB_Left	25.99	26.99	30.00	PASS
N78-3700-3800	30	60	DFT-16QAM	H	Inner_1RB_Left	25.62	26.62	30.00	PASS
N78-3700-3800	30	70	DFT-QPSK	L	Inner_1RB_Left	25.99	26.99	30.00	PASS
N78-3700-3800	30	70	DFT-16QAM	L	Inner_1RB_Left	25.65	26.65	30.00	PASS
N78-3700-3800	30	70	DFT-QPSK	M	Inner_1RB_Left	26.02	27.02	30.00	PASS
N78-3700-3800	30	70	DFT-16QAM	M	Inner_1RB_Left	25.63	26.63	30.00	PASS
N78-3700-3800	30	70	DFT-QPSK	H	Inner_1RB_Left	26.02	27.02	30.00	PASS
N78-3700-3800	30	70	DFT-16QAM	H	Inner_1RB_Left	25.63	26.63	30.00	PASS
N78-3700-3800	30	80	DFT-QPSK	L	Inner_1RB_Left	25.94	26.94	30.00	PASS
N78-3700-3800	30	80	DFT-16QAM	L	Inner_1RB_Left	25.55	26.55	30.00	PASS
N78-3700-3800	30	80	DFT-QPSK	M	Inner_1RB_Left	25.89	26.89	30.00	PASS
N78-3700-3800	30	80	DFT-16QAM	M	Inner_1RB_Left	25.57	26.57	30.00	PASS
N78-3700-3800	30	80	DFT-QPSK	H	Inner_1RB_Left	25.97	26.97	30.00	PASS
N78-3700-3800	30	80	DFT-16QAM	H	Inner_1RB_Left	25.58	26.58	30.00	PASS
N78-3700-3800	30	90	DFT-QPSK	L	Inner_1RB_Left	25.91	26.91	30.00	PASS
N78-3700-3800	30	90	DFT-16QAM	L	Inner_1RB_Left	25.56	26.56	30.00	PASS
N78-3700-3800	30	90	DFT-QPSK	M	Inner_1RB_Left	25.88	26.88	30.00	PASS
N78-3700-3800	30	90	DFT-16QAM	M	Inner_1RB_Left	25.54	26.54	30.00	PASS
N78-3700-3800	30	90	DFT-QPSK	H	Inner_1RB_Left	25.89	26.89	30.00	PASS
N78-3700-3800	30	90	DFT-16QAM	H	Inner_1RB_Left	25.51	26.51	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	25.92	26.92	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	26.37	27.37	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	L	Outer_Full	26.09	27.09	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	L	Inner_1RB_Left	25.92	26.92	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	L	Inner_1RB_Right	26.3	27.3	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	L	Outer_Full	25.68	26.68	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	L	Inner_1RB_Left	25.54	26.54	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	L	Inner_1RB_Right	26.08	27.08	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	L	Outer_Full	24.76	25.76	30.00	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 limit 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



Report No.: SEWA2309000114RG10

Rev.: 01

Page: 4 of 260

N78-3700-3800	30	100	DFT-64QAM	L	Inner_1RB_Left	23.9	24.9	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	L	Inner_1RB_Right	24.55	25.55	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	L	Outer_Full	24.25	25.25	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	L	Inner_1RB_Left	21.87	22.87	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	L	Inner_1RB_Right	22.26	23.26	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	L	Outer_Full	22.21	23.21	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	25.93	26.93	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	26.38	27.38	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	26.15	27.15	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Inner_1RB_Right	26.36	27.36	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Outer_Full	25.7	26.7	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Inner_1RB_Left	25.56	26.56	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Inner_1RB_Right	26.02	27.02	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Outer_Full	24.72	25.72	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Inner_1RB_Left	24.03	25.03	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Inner_1RB_Right	24.42	25.42	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Outer_Full	24.18	25.18	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Inner_1RB_Left	21.85	22.85	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Inner_1RB_Right	22.27	23.27	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	22.22	23.22	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	25.92	26.92	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	26.36	27.36	30.00	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	H	Outer_Full	14.57	15.57	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	H	Inner_1RB_Left	25.9	26.9	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	H	Inner_1RB_Right	26.43	27.43	30.00	PASS
N78-3700-3800	30	100	DFT-QPSK	H	Outer_Full	25.74	26.74	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	H	Inner_1RB_Left	25.54	26.54	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	H	Inner_1RB_Right	25.96	26.96	30.00	PASS
N78-3700-3800	30	100	DFT-16QAM	H	Outer_Full	24.72	25.72	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	H	Inner_1RB_Left	24.05	25.05	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	H	Inner_1RB_Right	24.57	25.57	30.00	PASS
N78-3700-3800	30	100	DFT-64QAM	H	Outer_Full	24.18	25.18	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Inner_1RB_Left	21.82	22.82	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Inner_1RB_Right	22.32	23.32	30.00	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Outer_Full	22.15	23.15	30.00	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 5 of 260

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant0	Power Ant2	Total Power	EIRP	Verdict
N78-3700-3800	30	10	CP-QPSK	L	Inner_1RB_Left	22.26	21.14	24.75	25.75	PASS
N78-3700-3800	30	10	CP-16QAM	L	Inner_1RB_Left	21.64	20.71	24.21	25.21	PASS
N78-3700-3800	30	10	CP-QPSK	M	Inner_1RB_Left	22.27	21	24.69	25.69	PASS
N78-3700-3800	30	10	CP-16QAM	M	Inner_1RB_Left	21.72	20.48	24.15	25.15	PASS
N78-3700-3800	30	10	CP-QPSK	H	Inner_1RB_Left	22.3	20.9	24.67	25.67	PASS
N78-3700-3800	30	10	CP-16QAM	H	Inner_1RB_Left	21.84	20.41	24.19	25.19	PASS
N78-3700-3800	30	15	CP-QPSK	L	Inner_1RB_Left	22.19	21.11	24.69	25.69	PASS
N78-3700-3800	30	15	CP-16QAM	L	Inner_1RB_Left	21.9	20.6	24.31	25.31	PASS
N78-3700-3800	30	15	CP-QPSK	M	Inner_1RB_Left	22.17	21.13	24.69	25.69	PASS
N78-3700-3800	30	15	CP-16QAM	M	Inner_1RB_Left	21.89	20.61	24.31	25.31	PASS
N78-3700-3800	30	15	CP-QPSK	H	Inner_1RB_Left	22.47	21.19	24.89	25.89	PASS
N78-3700-3800	30	15	CP-16QAM	H	Inner_1RB_Left	22.07	20.49	24.36	25.36	PASS
N78-3700-3800	30	20	CP-QPSK	L	Inner_1RB_Left	22.32	21.12	24.77	25.77	PASS
N78-3700-3800	30	20	CP-16QAM	L	Inner_1RB_Left	21.84	20.64	24.29	25.29	PASS
N78-3700-3800	30	20	CP-QPSK	M	Inner_1RB_Left	22.19	21.03	24.66	25.66	PASS
N78-3700-3800	30	20	CP-16QAM	M	Inner_1RB_Left	21.75	20.51	24.18	25.18	PASS
N78-3700-3800	30	20	CP-QPSK	H	Inner_1RB_Left	22.54	20.89	24.8	25.8	PASS
N78-3700-3800	30	20	CP-16QAM	H	Inner_1RB_Left	22.09	20.39	24.33	25.33	PASS
N78-3700-3800	30	30	CP-QPSK	L	Inner_1RB_Left	22.32	21.25	24.83	25.83	PASS
N78-3700-3800	30	30	CP-16QAM	L	Inner_1RB_Left	21.93	20.76	24.39	25.39	PASS
N78-3700-3800	30	30	CP-QPSK	M	Inner_1RB_Left	22.18	21.36	24.8	25.8	PASS
N78-3700-3800	30	30	CP-16QAM	M	Inner_1RB_Left	21.9	20.85	24.42	25.42	PASS
N78-3700-3800	30	30	CP-QPSK	H	Inner_1RB_Left	22.59	21.06	24.9	25.9	PASS
N78-3700-3800	30	30	CP-16QAM	H	Inner_1RB_Left	22.11	20.45	24.37	25.37	PASS
N78-3700-3800	30	40	CP-QPSK	L	Inner_1RB_Left	22.33	21.37	24.89	25.89	PASS
N78-3700-3800	30	40	CP-16QAM	L	Inner_1RB_Left	21.95	20.82	24.43	25.43	PASS
N78-3700-3800	30	40	CP-QPSK	M	Inner_1RB_Left	22.36	21.32	24.88	25.88	PASS
N78-3700-3800	30	40	CP-16QAM	M	Inner_1RB_Left	21.94	20.9	24.46	25.46	PASS
N78-3700-3800	30	40	CP-QPSK	H	Inner_1RB_Left	22.38	21.38	24.92	25.92	PASS
N78-3700-3800	30	40	CP-16QAM	H	Inner_1RB_Left	22.03	20.83	24.48	25.48	PASS
N78-3700-3800	30	50	CP-QPSK	L	Inner_1RB_Left	22.08	20.96	24.57	25.57	PASS
N78-3700-3800	30	50	CP-16QAM	L	Inner_1RB_Left	21.7	20.47	24.14	25.14	PASS
N78-3700-3800	30	50	CP-QPSK	M	Inner_1RB_Left	21.95	20.72	24.39	25.39	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



Report No.: SEWA2309000114RG10

Rev.: 01

Page: 6 of 260

N78-3700-3800	30	50	CP-16QAM	M	Inner_1RB_Left	21.61	20.19	23.97	24.97	PASS
N78-3700-3800	30	50	CP-QPSK	H	Inner_1RB_Left	22.05	20.8	24.48	25.48	PASS
N78-3700-3800	30	50	CP-16QAM	H	Inner_1RB_Left	21.69	20.29	24.06	25.06	PASS
N78-3700-3800	30	60	CP-QPSK	L	Inner_1RB_Left	22.05	20.96	24.55	25.55	PASS
N78-3700-3800	30	60	CP-16QAM	L	Inner_1RB_Left	21.63	20.3	24.03	25.03	PASS
N78-3700-3800	30	60	CP-QPSK	M	Inner_1RB_Left	22.02	20.5	24.34	25.34	PASS
N78-3700-3800	30	60	CP-16QAM	M	Inner_1RB_Left	21.64	20.03	23.92	24.92	PASS
N78-3700-3800	30	60	CP-QPSK	H	Inner_1RB_Left	21.91	20.79	24.4	25.4	PASS
N78-3700-3800	30	60	CP-16QAM	H	Inner_1RB_Left	21.48	20.11	23.86	24.86	PASS
N78-3700-3800	30	70	CP-QPSK	L	Inner_1RB_Left	21.87	20.89	24.42	25.42	PASS
N78-3700-3800	30	70	CP-16QAM	L	Inner_1RB_Left	21.51	20.3	23.96	24.96	PASS
N78-3700-3800	30	70	CP-QPSK	M	Inner_1RB_Left	21.94	20.53	24.3	25.3	PASS
N78-3700-3800	30	70	CP-16QAM	M	Inner_1RB_Left	21.53	20.08	23.88	24.88	PASS
N78-3700-3800	30	70	CP-QPSK	H	Inner_1RB_Left	21.73	20.79	24.3	25.3	PASS
N78-3700-3800	30	70	CP-16QAM	H	Inner_1RB_Left	21.43	20.28	23.9	24.9	PASS
N78-3700-3800	30	80	CP-QPSK	L	Inner_1RB_Left	21.9	20.83	24.41	25.41	PASS
N78-3700-3800	30	80	CP-16QAM	L	Inner_1RB_Left	21.53	20.25	23.95	24.95	PASS
N78-3700-3800	30	80	CP-QPSK	M	Inner_1RB_Left	21.89	20.67	24.33	25.33	PASS
N78-3700-3800	30	80	CP-16QAM	M	Inner_1RB_Left	21.49	20.1	23.86	24.86	PASS
N78-3700-3800	30	80	CP-QPSK	H	Inner_1RB_Left	21.78	20.39	24.15	25.15	PASS
N78-3700-3800	30	80	CP-16QAM	H	Inner_1RB_Left	21.47	19.84	23.74	24.74	PASS
N78-3700-3800	30	90	CP-QPSK	L	Inner_1RB_Left	21.89	20.69	24.34	25.34	PASS
N78-3700-3800	30	90	CP-16QAM	L	Inner_1RB_Left	21.58	20.21	23.96	24.96	PASS
N78-3700-3800	30	90	CP-QPSK	M	Inner_1RB_Left	21.8	20.82	24.35	25.35	PASS
N78-3700-3800	30	90	CP-16QAM	M	Inner_1RB_Left	21.44	20.43	23.97	24.97	PASS
N78-3700-3800	30	90	CP-QPSK	H	Inner_1RB_Left	21.82	20.72	24.32	25.32	PASS
N78-3700-3800	30	90	CP-16QAM	H	Inner_1RB_Left	21.42	20.09	23.82	24.82	PASS
N78-3700-3800	30	100	CP-QPSK	L	Inner_1RB_Left	21.75	20.71	24.27	25.27	PASS
N78-3700-3800	30	100	CP-QPSK	L	Inner_1RB_Right	22.34	20.81	24.65	25.65	PASS
N78-3700-3800	30	100	CP-QPSK	L	Outer_Full	20.46	19.49	23.01	24.01	PASS
N78-3700-3800	30	100	CP-16QAM	L	Inner_1RB_Left	21.5	20.09	23.86	24.86	PASS
N78-3700-3800	30	100	CP-16QAM	L	Inner_1RB_Right	21.71	20.46	24.14	25.14	PASS
N78-3700-3800	30	100	CP-16QAM	L	Outer_Full	20.4	19.58	23.02	24.02	PASS
N78-3700-3800	30	100	CP-64QAM	L	Inner_1RB_Left	19.92	18.73	22.38	23.38	PASS
N78-3700-3800	30	100	CP-64QAM	L	Inner_1RB_Right	20.14	18.92	22.58	23.58	PASS
N78-3700-3800	30	100	CP-64QAM	L	Outer_Full	19.87	18.95	22.44	23.44	PASS
N78-3700-3800	30	100	CP-256QAM	L	Inner_1RB_Left	16.92	15.7	19.36	20.36	PASS
N78-3700-3800	30	100	CP-256QAM	L	Inner_1RB_Right	17.08	15.88	19.53	20.53	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



Report No.: SEWA2309000114RG10

Rev.: 01

Page: 7 of 260

N78-3700-3800	30	100	CP-256QAM	L	Outer_Full	16.91	16.01	19.49	20.49	PASS
N78-3700-3800	30	100	CP-QPSK	M	Inner_1RB_Left	21.98	20.73	24.41	25.41	PASS
N78-3700-3800	30	100	CP-QPSK	M	Inner_1RB_Right	22.21	20.87	24.6	25.6	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	20.44	19.55	23.03	24.03	PASS
N78-3700-3800	30	100	CP-16QAM	M	Inner_1RB_Left	21.48	20.21	23.9	24.9	PASS
N78-3700-3800	30	100	CP-16QAM	M	Inner_1RB_Right	21.63	20.31	24.03	25.03	PASS
N78-3700-3800	30	100	CP-16QAM	M	Outer_Full	20.43	19.44	22.97	23.97	PASS
N78-3700-3800	30	100	CP-64QAM	M	Inner_1RB_Left	19.9	18.82	22.4	23.4	PASS
N78-3700-3800	30	100	CP-64QAM	M	Inner_1RB_Right	20.08	18.87	22.53	23.53	PASS
N78-3700-3800	30	100	CP-64QAM	M	Outer_Full	19.96	18.92	22.48	23.48	PASS
N78-3700-3800	30	100	CP-256QAM	M	Inner_1RB_Left	16.97	15.75	19.41	20.41	PASS
N78-3700-3800	30	100	CP-256QAM	M	Inner_1RB_Right	17.18	15.94	19.61	20.61	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	16.93	15.98	19.49	20.49	PASS
N78-3700-3800	30	100	CP-QPSK	H	Inner_1RB_Left	21.88	20.71	24.34	25.34	PASS
N78-3700-3800	30	100	CP-QPSK	H	Inner_1RB_Right	22.31	20.9	24.67	25.67	PASS
N78-3700-3800	30	100	CP-QPSK	H	Outer_Full	20.49	19.42	23	24	PASS
N78-3700-3800	30	100	CP-16QAM	H	Inner_1RB_Left	21.44	20.35	23.94	24.94	PASS
N78-3700-3800	30	100	CP-16QAM	H	Inner_1RB_Right	21.6	20.52	24.1	25.1	PASS
N78-3700-3800	30	100	CP-16QAM	H	Outer_Full	20.54	19.49	23.06	24.06	PASS
N78-3700-3800	30	100	CP-64QAM	H	Inner_1RB_Left	19.95	18.83	22.44	23.44	PASS
N78-3700-3800	30	100	CP-64QAM	H	Inner_1RB_Right	20.13	18.92	22.58	23.58	PASS
N78-3700-3800	30	100	CP-64QAM	H	Outer_Full	19.96	18.9	22.47	23.47	PASS
N78-3700-3800	30	100	CP-256QAM	H	Inner_1RB_Left	16.98	15.76	19.42	20.42	PASS
N78-3700-3800	30	100	CP-256QAM	H	Inner_1RB_Right	17.15	15.88	19.57	20.57	PASS
N78-3700-3800	30	100	CP-256QAM	H	Outer_Full	17	15.92	19.5	20.5	PASS



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

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

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 8 of 260

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3700-3800	30	100	DFT-256QAM	L	Outer_Full	9.41	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	L	Outer_Full	9.83	≤13	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	9.59	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	10.04	≤13	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Outer_Full	9.39	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	H	Outer_Full	9.99	≤13	PASS

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N78-3700-3800	30	100	DFT-256QAM	L	Outer_Full	100%	0.00	9.95	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	L	Outer_Full	100%	0.00	10.00	≤13	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	100%	0.00	9.49	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	100%	0.00	9.76	≤13	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Outer_Full	100%	0.00	9.76	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	H	Outer_Full	100%	0.00	9.85	≤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.

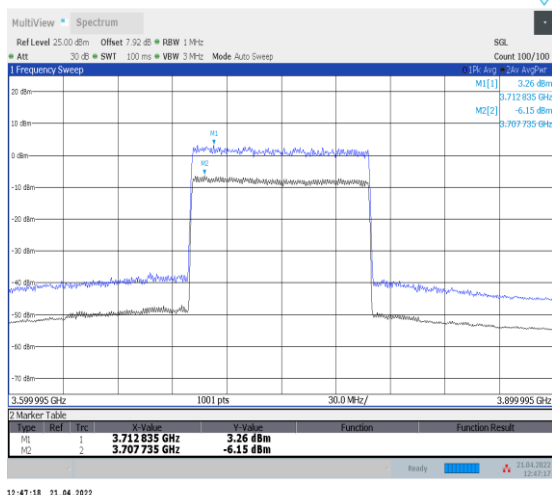
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

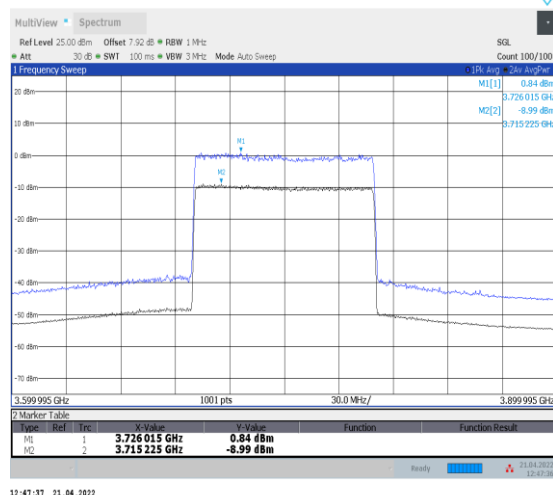
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG10
Rev.: 01
Page: 9 of 260

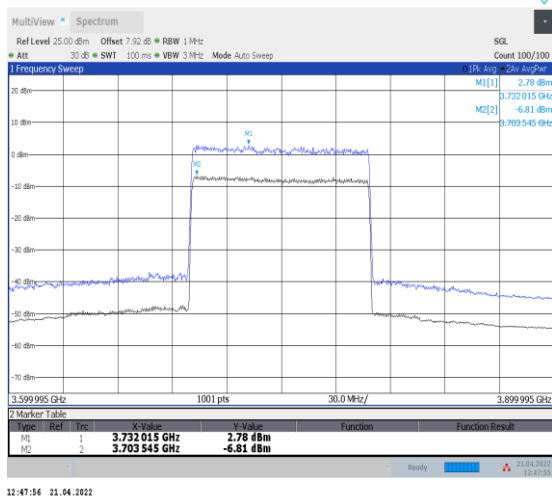
Test Graphs



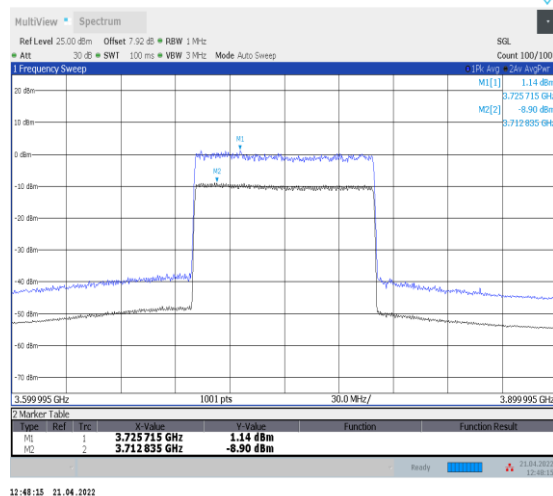
1-N78-3700-3800--30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.41-100%-0.00-9.41-PASS-≤13



1-N78-3700-3800--30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant0-9.83-100%-0.00-9.83-PASS-≤13



1-N78-3700-3800--30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.59-100%-0.00-9.59-PASS-≤13



1-N78-3700-3800--30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant0-10.04-100%-0.00-10.04-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

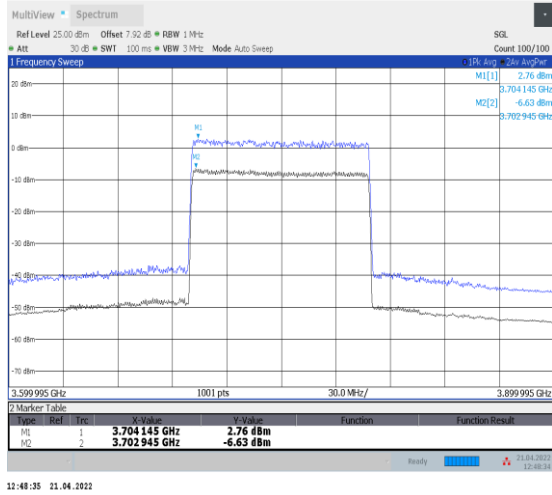
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

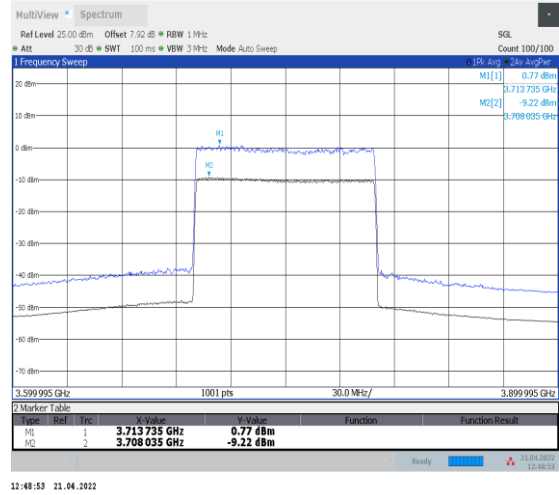
Report No.: SEWA2309000114RG10

Rev.: 01

Page: 10 of 260



1-N78-3700-3800--30-100-H-1-DFT-256QAM-Outer
_Full-270@0-Ant0-9.39-100%-0.00-9.39-PASS-≤13



1-N78-3700-3800--30-100-H-2-CP-256QAM-Outer_F
ull-273@0-Ant0-9.99-100%-0.00-9.99-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

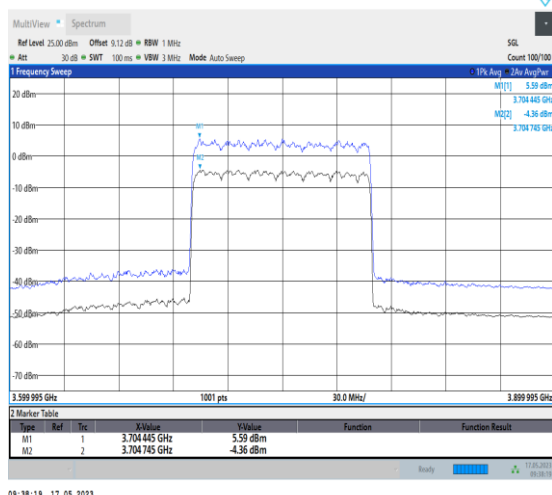
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG10

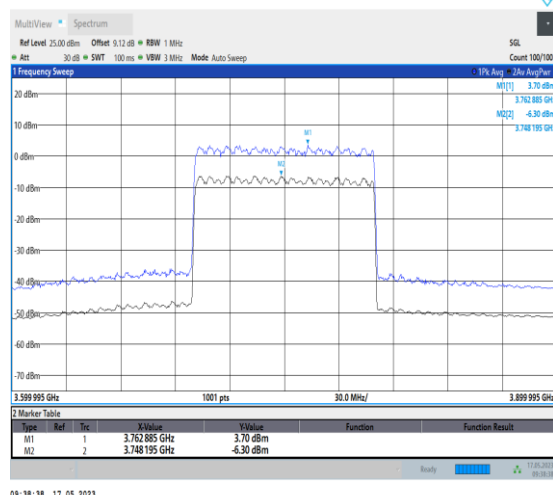
Rev.: 01

Page: 11 of 260

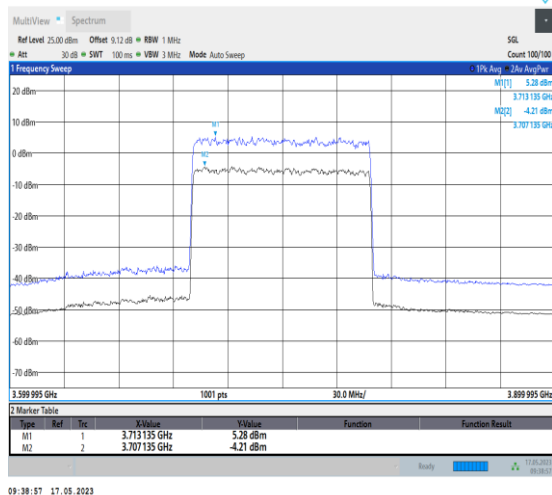
Test Graphs for MIMO



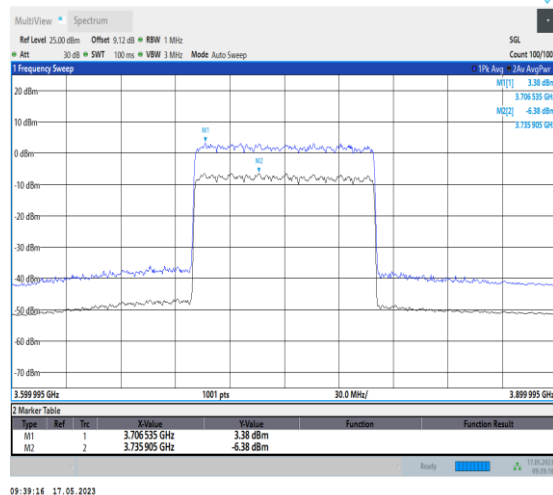
1-N78-3700-3800-PC1-30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.95-100%-0.00-9.95-PASS-≤13



1-N78-3700-3800-PC1-30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant0-10.00-100%-0.00-10.00-PASS-≤13



1-N78-3700-3800-PC1-30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.49-100%-0.00-9.49-PASS-≤13



1-N78-3700-3800-PC1-30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant0-9.76-100%-0.00-9.76-PASS-≤13



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

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

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

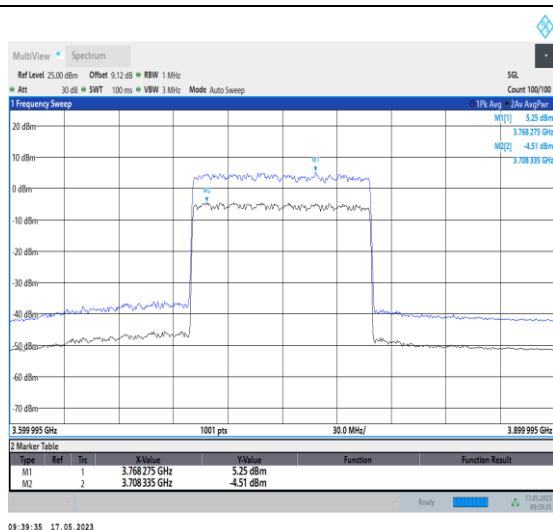
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2309000114RG10

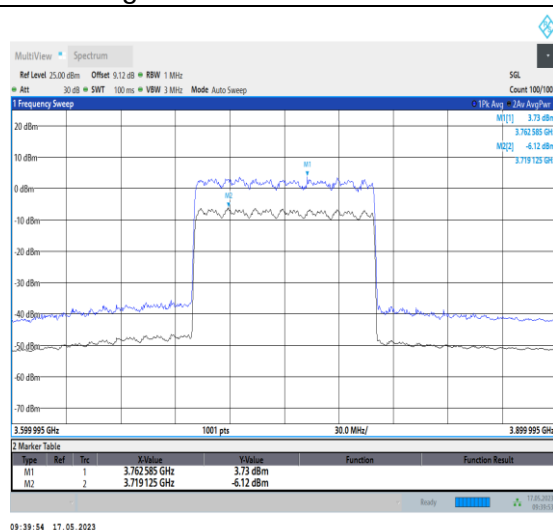
Rev.: 01

Page: 12 of 260



1-N78-3700-3800-PC1-30-100-H-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.76-100%-0.00-9.76-PASS-≤

13



1-N78-3700-3800-PC1-30-100-H-2-CP-256QAM-Outer_Full-273@0-Ant0-9.85-100%-0.00-9.85-PASS-≤1

3



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

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

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

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

Member of the SGS Group (SGS SA)

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 13 of 260

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3700-3800	30	10	DFT-QPSK	L	Outer_Full	8.618	9.600	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	L	Outer_Full	8.560	9.500	PASS
N78-3700-3800	30	10	DFT-16QAM	L	Outer_Full	8.609	9.440	PASS
N78-3700-3800	30	10	DFT-64QAM	L	Outer_Full	8.593	9.560	PASS
N78-3700-3800	30	10	DFT-256QAM	L	Outer_Full	8.581	9.200	PASS
N78-3700-3800	30	10	CP-QPSK	L	Outer_Full	8.609	9.800	PASS
N78-3700-3800	30	10	CP-16QAM	L	Outer_Full	8.591	9.900	PASS
N78-3700-3800	30	10	CP-64QAM	L	Outer_Full	8.595	9.900	PASS
N78-3700-3800	30	10	CP-256QAM	L	Outer_Full	8.550	9.320	PASS
N78-3700-3800	30	10	DFT-QPSK	M	Outer_Full	8.583	9.600	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	M	Outer_Full	8.559	9.080	PASS
N78-3700-3800	30	10	DFT-16QAM	M	Outer_Full	8.596	9.720	PASS
N78-3700-3800	30	10	DFT-64QAM	M	Outer_Full	8.563	9.660	PASS
N78-3700-3800	30	10	DFT-256QAM	M	Outer_Full	8.536	9.340	PASS
N78-3700-3800	30	10	CP-QPSK	M	Outer_Full	8.629	9.600	PASS
N78-3700-3800	30	10	CP-16QAM	M	Outer_Full	8.580	10.200	PASS
N78-3700-3800	30	10	CP-64QAM	M	Outer_Full	8.613	9.760	PASS
N78-3700-3800	30	10	CP-256QAM	M	Outer_Full	8.582	9.420	PASS
N78-3700-3800	30	10	DFT-QPSK	H	Outer_Full	8.583	9.060	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	H	Outer_Full	8.573	9.420	PASS
N78-3700-3800	30	10	DFT-16QAM	H	Outer_Full	8.553	9.620	PASS
N78-3700-3800	30	10	DFT-64QAM	H	Outer_Full	8.584	9.420	PASS
N78-3700-3800	30	10	DFT-256QAM	H	Outer_Full	8.572	9.480	PASS
N78-3700-3800	30	10	CP-QPSK	H	Outer_Full	8.597	9.520	PASS
N78-3700-3800	30	10	CP-16QAM	H	Outer_Full	8.590	9.380	PASS
N78-3700-3800	30	10	CP-64QAM	H	Outer_Full	8.601	9.640	PASS
N78-3700-3800	30	10	CP-256QAM	H	Outer_Full	8.580	9.360	PASS
N78-3700-3800	30	15	DFT-QPSK	L	Outer_Full	12.828	14.160	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	L	Outer_Full	12.883	14.100	PASS
N78-3700-3800	30	15	DFT-16QAM	L	Outer_Full	12.857	14.250	PASS
N78-3700-3800	30	15	DFT-64QAM	L	Outer_Full	12.843	13.650	PASS
N78-3700-3800	30	15	DFT-256QAM	L	Outer_Full	12.875	13.950	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 14 of 260

N78-3700-3800	30	15	CP-QPSK	L	Outer_Full	13.582	14.790	PASS
N78-3700-3800	30	15	CP-16QAM	L	Outer_Full	13.622	14.850	PASS
N78-3700-3800	30	15	CP-64QAM	L	Outer_Full	13.613	14.850	PASS
N78-3700-3800	30	15	CP-256QAM	L	Outer_Full	13.564	14.850	PASS
N78-3700-3800	30	15	DFT-QPSK	M	Outer_Full	12.786	13.740	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	M	Outer_Full	12.935	14.070	PASS
N78-3700-3800	30	15	DFT-16QAM	M	Outer_Full	12.891	13.830	PASS
N78-3700-3800	30	15	DFT-64QAM	M	Outer_Full	12.822	14.100	PASS
N78-3700-3800	30	15	DFT-256QAM	M	Outer_Full	12.864	14.130	PASS
N78-3700-3800	30	15	CP-QPSK	M	Outer_Full	13.594	14.880	PASS
N78-3700-3800	30	15	CP-16QAM	M	Outer_Full	13.641	15.120	PASS
N78-3700-3800	30	15	CP-64QAM	M	Outer_Full	13.591	14.760	PASS
N78-3700-3800	30	15	CP-256QAM	M	Outer_Full	13.570	14.940	PASS
N78-3700-3800	30	15	DFT-QPSK	H	Outer_Full	12.879	14.040	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	H	Outer_Full	12.927	14.010	PASS
N78-3700-3800	30	15	DFT-16QAM	H	Outer_Full	12.879	14.070	PASS
N78-3700-3800	30	15	DFT-64QAM	H	Outer_Full	12.895	13.740	PASS
N78-3700-3800	30	15	DFT-256QAM	H	Outer_Full	12.754	14.130	PASS
N78-3700-3800	30	15	CP-QPSK	H	Outer_Full	13.572	14.700	PASS
N78-3700-3800	30	15	CP-16QAM	H	Outer_Full	13.590	14.610	PASS
N78-3700-3800	30	15	CP-64QAM	H	Outer_Full	13.551	14.970	PASS
N78-3700-3800	30	15	CP-256QAM	H	Outer_Full	13.552	14.790	PASS
N78-3700-3800	30	20	DFT-QPSK	L	Outer_Full	17.874	19.080	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	L	Outer_Full	17.881	19.760	PASS
N78-3700-3800	30	20	DFT-16QAM	L	Outer_Full	17.928	19.560	PASS
N78-3700-3800	30	20	DFT-64QAM	L	Outer_Full	17.794	19.160	PASS
N78-3700-3800	30	20	DFT-256QAM	L	Outer_Full	17.842	19.320	PASS
N78-3700-3800	30	20	CP-QPSK	L	Outer_Full	18.207	19.920	PASS
N78-3700-3800	30	20	CP-16QAM	L	Outer_Full	18.237	19.680	PASS
N78-3700-3800	30	20	CP-64QAM	L	Outer_Full	18.185	19.480	PASS
N78-3700-3800	30	20	CP-256QAM	L	Outer_Full	18.208	19.560	PASS
N78-3700-3800	30	20	DFT-QPSK	M	Outer_Full	17.856	19.480	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	M	Outer_Full	17.849	19.520	PASS
N78-3700-3800	30	20	DFT-16QAM	M	Outer_Full	17.809	19.160	PASS
N78-3700-3800	30	20	DFT-64QAM	M	Outer_Full	17.815	19.120	PASS
N78-3700-3800	30	20	DFT-256QAM	M	Outer_Full	17.871	19.520	PASS
N78-3700-3800	30	20	CP-QPSK	M	Outer_Full	18.220	19.560	PASS
N78-3700-3800	30	20	CP-16QAM	M	Outer_Full	18.223	19.840	PASS



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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 15 of 260

N78-3700-3800	30	20	CP-64QAM	M	Outer_Full	18.244	19.600	PASS
N78-3700-3800	30	20	CP-256QAM	M	Outer_Full	18.143	19.280	PASS
N78-3700-3800	30	20	DFT-QPSK	H	Outer_Full	17.897	19.440	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	H	Outer_Full	17.845	19.000	PASS
N78-3700-3800	30	20	DFT-16QAM	H	Outer_Full	17.834	19.200	PASS
N78-3700-3800	30	20	DFT-64QAM	H	Outer_Full	17.904	19.000	PASS
N78-3700-3800	30	20	DFT-256QAM	H	Outer_Full	17.854	19.480	PASS
N78-3700-3800	30	20	CP-QPSK	H	Outer_Full	18.191	19.960	PASS
N78-3700-3800	30	20	CP-16QAM	H	Outer_Full	18.219	19.680	PASS
N78-3700-3800	30	20	CP-64QAM	H	Outer_Full	18.218	19.880	PASS
N78-3700-3800	30	20	CP-256QAM	H	Outer_Full	18.216	19.640	PASS
N78-3700-3800	30	30	DFT-QPSK	L	Outer_Full	26.830	28.920	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	L	Outer_Full	26.812	28.800	PASS
N78-3700-3800	30	30	DFT-16QAM	L	Outer_Full	26.848	28.800	PASS
N78-3700-3800	30	30	DFT-64QAM	L	Outer_Full	26.825	28.860	PASS
N78-3700-3800	30	30	DFT-256QAM	L	Outer_Full	26.830	28.860	PASS
N78-3700-3800	30	30	CP-QPSK	L	Outer_Full	27.887	31.440	PASS
N78-3700-3800	30	30	CP-16QAM	L	Outer_Full	27.898	29.880	PASS
N78-3700-3800	30	30	CP-64QAM	L	Outer_Full	27.868	30.420	PASS
N78-3700-3800	30	30	CP-256QAM	L	Outer_Full	27.839	29.580	PASS
N78-3700-3800	30	30	DFT-QPSK	M	Outer_Full	26.834	28.860	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	M	Outer_Full	26.822	28.800	PASS
N78-3700-3800	30	30	DFT-16QAM	M	Outer_Full	26.864	28.860	PASS
N78-3700-3800	30	30	DFT-64QAM	M	Outer_Full	26.821	28.620	PASS
N78-3700-3800	30	30	DFT-256QAM	M	Outer_Full	26.834	28.920	PASS
N78-3700-3800	30	30	CP-QPSK	M	Outer_Full	27.880	30.120	PASS
N78-3700-3800	30	30	CP-16QAM	M	Outer_Full	27.887	29.820	PASS
N78-3700-3800	30	30	CP-64QAM	M	Outer_Full	27.868	29.760	PASS
N78-3700-3800	30	30	CP-256QAM	M	Outer_Full	27.846	29.700	PASS
N78-3700-3800	30	30	DFT-QPSK	H	Outer_Full	26.818	28.740	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	H	Outer_Full	26.822	28.800	PASS
N78-3700-3800	30	30	DFT-16QAM	H	Outer_Full	26.865	28.860	PASS
N78-3700-3800	30	30	DFT-64QAM	H	Outer_Full	26.806	28.740	PASS
N78-3700-3800	30	30	DFT-256QAM	H	Outer_Full	26.824	28.920	PASS
N78-3700-3800	30	30	CP-QPSK	H	Outer_Full	27.846	30.180	PASS
N78-3700-3800	30	30	CP-16QAM	H	Outer_Full	27.863	29.880	PASS
N78-3700-3800	30	30	CP-64QAM	H	Outer_Full	27.866	29.700	PASS
N78-3700-3800	30	30	CP-256QAM	H	Outer_Full	27.847	29.880	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 16 of 260

N78-3700-3800	30	40	DFT-QPSK	L	Outer_Full	35.736	38.320	PASS
N78-3700-3800	30	40	DFT-PI2BPSK	L	Outer_Full	35.758	38.000	PASS
N78-3700-3800	30	40	DFT-16QAM	L	Outer_Full	35.770	38.160	PASS
N78-3700-3800	30	40	DFT-64QAM	L	Outer_Full	35.869	38.000	PASS
N78-3700-3800	30	40	DFT-256QAM	L	Outer_Full	35.716	38.080	PASS
N78-3700-3800	30	40	CP-QPSK	L	Outer_Full	37.931	40.160	PASS
N78-3700-3800	30	40	CP-16QAM	L	Outer_Full	37.939	41.120	PASS
N78-3700-3800	30	40	CP-64QAM	L	Outer_Full	37.896	40.480	PASS
N78-3700-3800	30	40	CP-256QAM	L	Outer_Full	37.842	40.080	PASS
N78-3700-3800	30	40	DFT-QPSK	M	Outer_Full	35.766	38.240	PASS
N78-3700-3800	30	40	DFT-PI2BPSK	M	Outer_Full	35.817	38.080	PASS
N78-3700-3800	30	40	DFT-16QAM	M	Outer_Full	35.757	38.240	PASS
N78-3700-3800	30	40	DFT-64QAM	M	Outer_Full	35.885	38.320	PASS
N78-3700-3800	30	40	DFT-256QAM	M	Outer_Full	35.739	38.160	PASS
N78-3700-3800	30	40	CP-QPSK	M	Outer_Full	37.954	40.400	PASS
N78-3700-3800	30	40	CP-16QAM	M	Outer_Full	37.914	40.400	PASS
N78-3700-3800	30	40	CP-64QAM	M	Outer_Full	37.913	40.480	PASS
N78-3700-3800	30	40	CP-256QAM	M	Outer_Full	37.88	40.400	PASS
N78-3700-3800	30	40	DFT-QPSK	H	Outer_Full	35.755	38.240	PASS
N78-3700-3800	30	40	DFT-PI2BPSK	H	Outer_Full	35.755	38.000	PASS
N78-3700-3800	30	40	DFT-16QAM	H	Outer_Full	35.738	38.160	PASS
N78-3700-3800	30	40	DFT-64QAM	H	Outer_Full	35.862	38.080	PASS
N78-3700-3800	30	40	DFT-256QAM	H	Outer_Full	35.713	37.920	PASS
N78-3700-3800	30	40	CP-QPSK	H	Outer_Full	37.895	40.320	PASS
N78-3700-3800	30	40	CP-16QAM	H	Outer_Full	37.874	40.480	PASS
N78-3700-3800	30	40	CP-64QAM	H	Outer_Full	37.860	40.480	PASS
N78-3700-3800	30	40	CP-256QAM	H	Outer_Full	37.879	40.400	PASS
N78-3700-3800	30	50	DFT-QPSK	L	Outer_Full	45.749	47.800	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	L	Outer_Full	45.732	47.300	PASS
N78-3700-3800	30	50	DFT-16QAM	L	Outer_Full	45.607	47.400	PASS
N78-3700-3800	30	50	DFT-64QAM	L	Outer_Full	45.762	47.800	PASS
N78-3700-3800	30	50	DFT-256QAM	L	Outer_Full	45.758	47.900	PASS
N78-3700-3800	30	50	CP-QPSK	L	Outer_Full	47.445	49.400	PASS
N78-3700-3800	30	50	CP-16QAM	L	Outer_Full	47.457	49.500	PASS
N78-3700-3800	30	50	CP-64QAM	L	Outer_Full	47.415	49.200	PASS
N78-3700-3800	30	50	CP-256QAM	L	Outer_Full	47.271	49.300	PASS
N78-3700-3800	30	50	DFT-QPSK	M	Outer_Full	45.766	47.600	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	M	Outer_Full	45.704	47.400	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号厂房南座 邮编: 215000

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 17 of 260

N78-3700-3800	30	50	DFT-16QAM	M	Outer_Full	45.813	47.600	PASS
N78-3700-3800	30	50	DFT-64QAM	M	Outer_Full	45.695	47.700	PASS
N78-3700-3800	30	50	DFT-256QAM	M	Outer_Full	45.525	48.200	PASS
N78-3700-3800	30	50	CP-QPSK	M	Outer_Full	47.366	49.300	PASS
N78-3700-3800	30	50	CP-16QAM	M	Outer_Full	47.393	49.400	PASS
N78-3700-3800	30	50	CP-64QAM	M	Outer_Full	47.558	49.500	PASS
N78-3700-3800	30	50	CP-256QAM	M	Outer_Full	47.315	49.500	PASS
N78-3700-3800	30	50	DFT-QPSK	H	Outer_Full	45.665	47.700	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	H	Outer_Full	45.705	47.400	PASS
N78-3700-3800	30	50	DFT-16QAM	H	Outer_Full	45.780	47.500	PASS
N78-3700-3800	30	50	DFT-64QAM	H	Outer_Full	45.667	47.900	PASS
N78-3700-3800	30	50	DFT-256QAM	H	Outer_Full	45.800	47.700	PASS
N78-3700-3800	30	50	CP-QPSK	H	Outer_Full	47.441	49.200	PASS
N78-3700-3800	30	50	CP-16QAM	H	Outer_Full	47.351	49.500	PASS
N78-3700-3800	30	50	CP-64QAM	H	Outer_Full	47.438	49.400	PASS
N78-3700-3800	30	50	CP-256QAM	H	Outer_Full	47.371	49.600	PASS
N78-3700-3800	30	60	DFT-QPSK	L	Outer_Full	57.835	60.480	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	L	Outer_Full	57.784	60.360	PASS
N78-3700-3800	30	60	DFT-16QAM	L	Outer_Full	57.953	60.240	PASS
N78-3700-3800	30	60	DFT-64QAM	L	Outer_Full	57.956	60.720	PASS
N78-3700-3800	30	60	DFT-256QAM	L	Outer_Full	57.980	60.480	PASS
N78-3700-3800	30	60	CP-QPSK	L	Outer_Full	57.813	60.600	PASS
N78-3700-3800	30	60	CP-16QAM	L	Outer_Full	57.894	60.480	PASS
N78-3700-3800	30	60	CP-64QAM	L	Outer_Full	57.820	60.360	PASS
N78-3700-3800	30	60	CP-256QAM	L	Outer_Full	57.774	60.240	PASS
N78-3700-3800	30	60	DFT-QPSK	M	Outer_Full	57.824	60.360	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	M	Outer_Full	57.874	60.360	PASS
N78-3700-3800	30	60	DFT-16QAM	M	Outer_Full	57.938	60.360	PASS
N78-3700-3800	30	60	DFT-64QAM	M	Outer_Full	57.933	60.480	PASS
N78-3700-3800	30	60	DFT-256QAM	M	Outer_Full	57.982	60.480	PASS
N78-3700-3800	30	60	CP-QPSK	M	Outer_Full	57.822	60.480	PASS
N78-3700-3800	30	60	CP-16QAM	M	Outer_Full	57.883	60.480	PASS
N78-3700-3800	30	60	CP-64QAM	M	Outer_Full	57.805	60.600	PASS
N78-3700-3800	30	60	CP-256QAM	M	Outer_Full	57.795	60.240	PASS
N78-3700-3800	30	60	DFT-QPSK	H	Outer_Full	57.833	60.360	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	H	Outer_Full	57.887	60.360	PASS
N78-3700-3800	30	60	DFT-16QAM	H	Outer_Full	57.936	60.360	PASS
N78-3700-3800	30	60	DFT-64QAM	H	Outer_Full	57.953	60.600	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 18 of 260

N78-3700-3800	30	60	DFT-256QAM	H	Outer_Full	57.990	60.480	PASS
N78-3700-3800	30	60	CP-QPSK	H	Outer_Full	57.832	60.600	PASS
N78-3700-3800	30	60	CP-16QAM	H	Outer_Full	57.884	60.480	PASS
N78-3700-3800	30	60	CP-64QAM	H	Outer_Full	57.821	60.600	PASS
N78-3700-3800	30	60	CP-256QAM	H	Outer_Full	57.833	60.480	PASS
N78-3700-3800	30	70	DFT-QPSK	L	Outer_Full	64.421	66.220	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	L	Outer_Full	64.442	66.220	PASS
N78-3700-3800	30	70	DFT-16QAM	L	Outer_Full	64.101	66.360	PASS
N78-3700-3800	30	70	DFT-64QAM	L	Outer_Full	64.366	66.360	PASS
N78-3700-3800	30	70	DFT-256QAM	L	Outer_Full	64.107	66.640	PASS
N78-3700-3800	30	70	CP-QPSK	L	Outer_Full	67.574	69.440	PASS
N78-3700-3800	30	70	CP-16QAM	L	Outer_Full	67.341	69.580	PASS
N78-3700-3800	30	70	CP-64QAM	L	Outer_Full	67.494	69.580	PASS
N78-3700-3800	30	70	CP-256QAM	L	Outer_Full	67.470	69.300	PASS
N78-3700-3800	30	70	DFT-QPSK	M	Outer_Full	64.211	66.080	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	M	Outer_Full	63.989	66.640	PASS
N78-3700-3800	30	70	DFT-16QAM	M	Outer_Full	64.068	66.080	PASS
N78-3700-3800	30	70	DFT-64QAM	M	Outer_Full	64.119	66.080	PASS
N78-3700-3800	30	70	DFT-256QAM	M	Outer_Full	64.129	66.360	PASS
N78-3700-3800	30	70	CP-QPSK	M	Outer_Full	67.689	70.280	PASS
N78-3700-3800	30	70	CP-16QAM	M	Outer_Full	67.562	70.000	PASS
N78-3700-3800	30	70	CP-64QAM	M	Outer_Full	67.508	69.860	PASS
N78-3700-3800	30	70	CP-256QAM	M	Outer_Full	67.505	69.440	PASS
N78-3700-3800	30	70	DFT-QPSK	H	Outer_Full	64.088	66.640	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	H	Outer_Full	64.124	66.360	PASS
N78-3700-3800	30	70	DFT-16QAM	H	Outer_Full	64.365	66.220	PASS
N78-3700-3800	30	70	DFT-64QAM	H	Outer_Full	64.166	66.360	PASS
N78-3700-3800	30	70	DFT-256QAM	H	Outer_Full	64.237	66.500	PASS
N78-3700-3800	30	70	CP-QPSK	H	Outer_Full	67.379	69.580	PASS
N78-3700-3800	30	70	CP-16QAM	H	Outer_Full	67.262	69.440	PASS
N78-3700-3800	30	70	CP-64QAM	H	Outer_Full	67.305	69.580	PASS
N78-3700-3800	30	70	CP-256QAM	H	Outer_Full	67.471	69.580	PASS
N78-3700-3800	30	80	DFT-QPSK	L	Outer_Full	77.235	80.960	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	L	Outer_Full	77.216	80.800	PASS
N78-3700-3800	30	80	DFT-16QAM	L	Outer_Full	77.297	80.960	PASS
N78-3700-3800	30	80	DFT-64QAM	L	Outer_Full	77.177	80.800	PASS
N78-3700-3800	30	80	DFT-256QAM	L	Outer_Full	77.275	80.960	PASS
N78-3700-3800	30	80	CP-QPSK	L	Outer_Full	77.753	81.120	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 19 of 260

N78-3700-3800	30	80	CP-16QAM	L	Outer_Full	77.725	81.440	PASS
N78-3700-3800	30	80	CP-64QAM	L	Outer_Full	77.473	81.120	PASS
N78-3700-3800	30	80	CP-256QAM	L	Outer_Full	77.533	81.120	PASS
N78-3700-3800	30	80	DFT-QPSK	M	Outer_Full	77.304	80.800	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	M	Outer_Full	77.334	80.800	PASS
N78-3700-3800	30	80	DFT-16QAM	M	Outer_Full	77.308	80.800	PASS
N78-3700-3800	30	80	DFT-64QAM	M	Outer_Full	77.242	80.640	PASS
N78-3700-3800	30	80	DFT-256QAM	M	Outer_Full	77.283	80.800	PASS
N78-3700-3800	30	80	CP-QPSK	M	Outer_Full	77.776	81.120	PASS
N78-3700-3800	30	80	CP-16QAM	M	Outer_Full	77.716	81.280	PASS
N78-3700-3800	30	80	CP-64QAM	M	Outer_Full	77.499	81.120	PASS
N78-3700-3800	30	80	CP-256QAM	M	Outer_Full	77.540	81.120	PASS
N78-3700-3800	30	80	DFT-QPSK	H	Outer_Full	77.304	80.960	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	H	Outer_Full	77.285	80.960	PASS
N78-3700-3800	30	80	DFT-16QAM	H	Outer_Full	77.318	80.960	PASS
N78-3700-3800	30	80	DFT-64QAM	H	Outer_Full	77.220	80.800	PASS
N78-3700-3800	30	80	DFT-256QAM	H	Outer_Full	77.172	80.800	PASS
N78-3700-3800	30	80	CP-QPSK	H	Outer_Full	77.744	80.960	PASS
N78-3700-3800	30	80	CP-16QAM	H	Outer_Full	77.698	81.280	PASS
N78-3700-3800	30	80	CP-64QAM	H	Outer_Full	77.489	81.120	PASS
N78-3700-3800	30	80	CP-256QAM	H	Outer_Full	77.524	81.120	PASS
N78-3700-3800	30	90	DFT-QPSK	L	Outer_Full	85.804	88.920	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	L	Outer_Full	85.551	88.920	PASS
N78-3700-3800	30	90	DFT-16QAM	L	Outer_Full	85.615	88.740	PASS
N78-3700-3800	30	90	DFT-64QAM	L	Outer_Full	85.592	89.280	PASS
N78-3700-3800	30	90	DFT-256QAM	L	Outer_Full	85.448	88.560	PASS
N78-3700-3800	30	90	CP-QPSK	L	Outer_Full	87.452	90.900	PASS
N78-3700-3800	30	90	CP-16QAM	L	Outer_Full	87.415	90.900	PASS
N78-3700-3800	30	90	CP-64QAM	L	Outer_Full	87.331	90.900	PASS
N78-3700-3800	30	90	CP-256QAM	L	Outer_Full	87.347	90.900	PASS
N78-3700-3800	30	90	DFT-QPSK	M	Outer_Full	85.635	88.920	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	M	Outer_Full	85.644	89.100	PASS
N78-3700-3800	30	90	DFT-16QAM	M	Outer_Full	85.768	88.920	PASS
N78-3700-3800	30	90	DFT-64QAM	M	Outer_Full	85.656	89.100	PASS
N78-3700-3800	30	90	DFT-256QAM	M	Outer_Full	85.593	89.100	PASS
N78-3700-3800	30	90	CP-QPSK	M	Outer_Full	87.468	90.720	PASS
N78-3700-3800	30	90	CP-16QAM	M	Outer_Full	87.461	91.080	PASS
N78-3700-3800	30	90	CP-64QAM	M	Outer_Full	87.382	91.080	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 20 of 260

N78-3700-3800	30	90	CP-256QAM	M	Outer_Full	87.427	91.080	PASS
N78-3700-3800	30	90	DFT-QPSK	H	Outer_Full	85.785	89.100	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	H	Outer_Full	85.466	88.920	PASS
N78-3700-3800	30	90	DFT-16QAM	H	Outer_Full	85.798	88.920	PASS
N78-3700-3800	30	90	DFT-64QAM	H	Outer_Full	85.781	88.920	PASS
N78-3700-3800	30	90	DFT-256QAM	H	Outer_Full	85.890	89.100	PASS
N78-3700-3800	30	90	CP-QPSK	H	Outer_Full	87.327	90.720	PASS
N78-3700-3800	30	90	CP-16QAM	H	Outer_Full	87.552	91.080	PASS
N78-3700-3800	30	90	CP-64QAM	H	Outer_Full	87.540	90.900	PASS
N78-3700-3800	30	90	CP-256QAM	H	Outer_Full	87.359	91.260	PASS
N78-3700-3800	30	100	DFT-QPSK	L	Outer_Full	96.360	100.200	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	L	Outer_Full	96.395	100.400	PASS
N78-3700-3800	30	100	DFT-16QAM	L	Outer_Full	96.297	100.600	PASS
N78-3700-3800	30	100	DFT-64QAM	L	Outer_Full	96.331	100.600	PASS
N78-3700-3800	30	100	DFT-256QAM	L	Outer_Full	96.517	100.400	PASS
N78-3700-3800	30	100	CP-QPSK	L	Outer_Full	97.475	101.200	PASS
N78-3700-3800	30	100	CP-16QAM	L	Outer_Full	97.626	101.200	PASS
N78-3700-3800	30	100	CP-64QAM	L	Outer_Full	97.591	101.600	PASS
N78-3700-3800	30	100	CP-256QAM	L	Outer_Full	97.385	101.200	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Outer_Full	96.354	100.200	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	96.405	100.600	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Outer_Full	96.291	100.600	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Outer_Full	96.317	100.600	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	96.482	100.400	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	97.485	101.200	PASS
N78-3700-3800	30	100	CP-16QAM	M	Outer_Full	97.618	101.400	PASS
N78-3700-3800	30	100	CP-64QAM	M	Outer_Full	97.605	101.400	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	97.434	101.200	PASS
N78-3700-3800	30	100	DFT-QPSK	H	Outer_Full	96.361	100.200	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	H	Outer_Full	96.344	100.400	PASS
N78-3700-3800	30	100	DFT-16QAM	H	Outer_Full	96.298	100.600	PASS
N78-3700-3800	30	100	DFT-64QAM	H	Outer_Full	96.312	100.600	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Outer_Full	96.517	100.400	PASS
N78-3700-3800	30	100	CP-QPSK	H	Outer_Full	97.495	101.200	PASS
N78-3700-3800	30	100	CP-16QAM	H	Outer_Full	97.637	101.600	PASS
N78-3700-3800	30	100	CP-64QAM	H	Outer_Full	97.590	101.600	PASS
N78-3700-3800	30	100	CP-256QAM	H	Outer_Full	97.443	101.200	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 21 of 260

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3700-3800	30	10	DFT-QPSK	L	Outer_Full	8.549	9.400	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	L	Outer_Full	8.561	9.240	PASS
N78-3700-3800	30	10	DFT-16QAM	L	Outer_Full	8.623	9.460	PASS
N78-3700-3800	30	10	DFT-64QAM	L	Outer_Full	8.540	9.080	PASS
N78-3700-3800	30	10	DFT-256QAM	L	Outer_Full	8.553	9.660	PASS
N78-3700-3800	30	10	CP-QPSK	L	Outer_Full	8.586	9.880	PASS
N78-3700-3800	30	10	CP-16QAM	L	Outer_Full	8.604	9.560	PASS
N78-3700-3800	30	10	CP-64QAM	L	Outer_Full	8.575	9.580	PASS
N78-3700-3800	30	10	CP-256QAM	L	Outer_Full	8.611	9.280	PASS
N78-3700-3800	30	10	DFT-QPSK	M	Outer_Full	8.631	9.820	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	M	Outer_Full	8.587	9.300	PASS
N78-3700-3800	30	10	DFT-16QAM	M	Outer_Full	8.616	9.400	PASS
N78-3700-3800	30	10	DFT-64QAM	M	Outer_Full	8.589	9.660	PASS
N78-3700-3800	30	10	DFT-256QAM	M	Outer_Full	8.603	9.240	PASS
N78-3700-3800	30	10	CP-QPSK	M	Outer_Full	8.574	9.400	PASS
N78-3700-3800	30	10	CP-16QAM	M	Outer_Full	8.580	9.680	PASS
N78-3700-3800	30	10	CP-64QAM	M	Outer_Full	8.584	9.560	PASS
N78-3700-3800	30	10	CP-256QAM	M	Outer_Full	8.594	9.360	PASS
N78-3700-3800	30	10	DFT-QPSK	H	Outer_Full	8.574	9.360	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	H	Outer_Full	8.584	9.240	PASS
N78-3700-3800	30	10	DFT-16QAM	H	Outer_Full	8.603	9.700	PASS
N78-3700-3800	30	10	DFT-64QAM	H	Outer_Full	8.534	9.420	PASS
N78-3700-3800	30	10	DFT-256QAM	H	Outer_Full	8.577	9.680	PASS
N78-3700-3800	30	10	CP-QPSK	H	Outer_Full	8.584	10.020	PASS
N78-3700-3800	30	10	CP-16QAM	H	Outer_Full	8.548	9.620	PASS
N78-3700-3800	30	10	CP-64QAM	H	Outer_Full	8.587	9.560	PASS
N78-3700-3800	30	10	CP-256QAM	H	Outer_Full	8.560	9.340	PASS
N78-3700-3800	30	15	DFT-QPSK	L	Outer_Full	12.878	14.070	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	L	Outer_Full	12.845	13.860	PASS
N78-3700-3800	30	15	DFT-16QAM	L	Outer_Full	12.838	13.890	PASS
N78-3700-3800	30	15	DFT-64QAM	L	Outer_Full	12.877	14.130	PASS
N78-3700-3800	30	15	DFT-256QAM	L	Outer_Full	12.859	14.010	PASS
N78-3700-3800	30	15	CP-QPSK	L	Outer_Full	13.546	14.880	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 22 of 260

N78-3700-3800	30	15	CP-16QAM	L	Outer_Full	13.626	14.700	PASS
N78-3700-3800	30	15	CP-64QAM	L	Outer_Full	13.473	14.370	PASS
N78-3700-3800	30	15	CP-256QAM	L	Outer_Full	13.625	14.490	PASS
N78-3700-3800	30	15	DFT-QPSK	M	Outer_Full	12.876	13.920	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	M	Outer_Full	12.803	14.100	PASS
N78-3700-3800	30	15	DFT-16QAM	M	Outer_Full	12.823	14.160	PASS
N78-3700-3800	30	15	DFT-64QAM	M	Outer_Full	12.819	14.310	PASS
N78-3700-3800	30	15	DFT-256QAM	M	Outer_Full	12.815	13.950	PASS
N78-3700-3800	30	15	CP-QPSK	M	Outer_Full	13.598	15.150	PASS
N78-3700-3800	30	15	CP-16QAM	M	Outer_Full	13.618	15.060	PASS
N78-3700-3800	30	15	CP-64QAM	M	Outer_Full	13.555	14.610	PASS
N78-3700-3800	30	15	CP-256QAM	M	Outer_Full	13.588	14.730	PASS
N78-3700-3800	30	15	DFT-QPSK	H	Outer_Full	12.843	13.860	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	H	Outer_Full	12.853	14.010	PASS
N78-3700-3800	30	15	DFT-16QAM	H	Outer_Full	12.821	14.070	PASS
N78-3700-3800	30	15	DFT-64QAM	H	Outer_Full	12.844	14.130	PASS
N78-3700-3800	30	15	DFT-256QAM	H	Outer_Full	12.790	14.040	PASS
N78-3700-3800	30	15	CP-QPSK	H	Outer_Full	13.561	14.790	PASS
N78-3700-3800	30	15	CP-16QAM	H	Outer_Full	13.640	14.850	PASS
N78-3700-3800	30	15	CP-64QAM	H	Outer_Full	13.622	14.910	PASS
N78-3700-3800	30	15	CP-256QAM	H	Outer_Full	13.605	14.670	PASS
N78-3700-3800	30	20	DFT-QPSK	L	Outer_Full	17.750	19.240	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	L	Outer_Full	17.767	18.840	PASS
N78-3700-3800	30	20	DFT-16QAM	L	Outer_Full	17.786	19.120	PASS
N78-3700-3800	30	20	DFT-64QAM	L	Outer_Full	17.792	19.160	PASS
N78-3700-3800	30	20	DFT-256QAM	L	Outer_Full	17.785	19.000	PASS
N78-3700-3800	30	20	CP-QPSK	L	Outer_Full	18.247	19.600	PASS
N78-3700-3800	30	20	CP-16QAM	L	Outer_Full	18.186	19.480	PASS
N78-3700-3800	30	20	CP-64QAM	L	Outer_Full	18.257	19.440	PASS
N78-3700-3800	30	20	CP-256QAM	L	Outer_Full	18.250	19.320	PASS
N78-3700-3800	30	20	DFT-QPSK	M	Outer_Full	17.762	18.920	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	M	Outer_Full	17.758	18.560	PASS
N78-3700-3800	30	20	DFT-16QAM	M	Outer_Full	17.824	19.000	PASS
N78-3700-3800	30	20	DFT-64QAM	M	Outer_Full	17.803	18.920	PASS
N78-3700-3800	30	20	DFT-256QAM	M	Outer_Full	17.810	19.080	PASS
N78-3700-3800	30	20	CP-QPSK	M	Outer_Full	18.159	19.600	PASS
N78-3700-3800	30	20	CP-16QAM	M	Outer_Full	18.194	19.440	PASS
N78-3700-3800	30	20	CP-64QAM	M	Outer_Full	18.207	19.320	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 23 of 260

N78-3700-3800	30	20	CP-256QAM	M	Outer_Full	18.164	19.640	PASS
N78-3700-3800	30	20	DFT-QPSK	H	Outer_Full	17.704	18.880	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	H	Outer_Full	17.884	18.920	PASS
N78-3700-3800	30	20	DFT-16QAM	H	Outer_Full	17.921	19.040	PASS
N78-3700-3800	30	20	DFT-64QAM	H	Outer_Full	17.737	18.760	PASS
N78-3700-3800	30	20	DFT-256QAM	H	Outer_Full	17.756	19.320	PASS
N78-3700-3800	30	20	CP-QPSK	H	Outer_Full	18.151	19.360	PASS
N78-3700-3800	30	20	CP-16QAM	H	Outer_Full	18.158	19.440	PASS
N78-3700-3800	30	20	CP-64QAM	H	Outer_Full	18.169	19.560	PASS
N78-3700-3800	30	20	CP-256QAM	H	Outer_Full	18.171	19.520	PASS
N78-3700-3800	30	30	DFT-QPSK	L	Outer_Full	26.815	28.260	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	L	Outer_Full	26.688	28.260	PASS
N78-3700-3800	30	30	DFT-16QAM	L	Outer_Full	26.680	28.260	PASS
N78-3700-3800	30	30	DFT-64QAM	L	Outer_Full	26.769	28.320	PASS
N78-3700-3800	30	30	DFT-256QAM	L	Outer_Full	26.802	28.200	PASS
N78-3700-3800	30	30	CP-QPSK	L	Outer_Full	27.847	29.400	PASS
N78-3700-3800	30	30	CP-16QAM	L	Outer_Full	27.688	28.980	PASS
N78-3700-3800	30	30	CP-64QAM	L	Outer_Full	27.898	29.340	PASS
N78-3700-3800	30	30	CP-256QAM	L	Outer_Full	27.870	29.100	PASS
N78-3700-3800	30	30	DFT-QPSK	M	Outer_Full	26.697	28.440	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	M	Outer_Full	26.750	28.080	PASS
N78-3700-3800	30	30	DFT-16QAM	M	Outer_Full	26.809	28.080	PASS
N78-3700-3800	30	30	DFT-64QAM	M	Outer_Full	26.765	28.200	PASS
N78-3700-3800	30	30	DFT-256QAM	M	Outer_Full	26.851	28.140	PASS
N78-3700-3800	30	30	CP-QPSK	M	Outer_Full	27.804	29.520	PASS
N78-3700-3800	30	30	CP-16QAM	M	Outer_Full	27.806	29.400	PASS
N78-3700-3800	30	30	CP-64QAM	M	Outer_Full	27.824	28.920	PASS
N78-3700-3800	30	30	CP-256QAM	M	Outer_Full	27.822	29.640	PASS
N78-3700-3800	30	30	DFT-QPSK	H	Outer_Full	26.672	28.200	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	H	Outer_Full	26.819	28.140	PASS
N78-3700-3800	30	30	DFT-16QAM	H	Outer_Full	26.847	28.440	PASS
N78-3700-3800	30	30	DFT-64QAM	H	Outer_Full	26.763	28.080	PASS
N78-3700-3800	30	30	DFT-256QAM	H	Outer_Full	26.843	28.140	PASS
N78-3700-3800	30	30	CP-QPSK	H	Outer_Full	27.878	28.980	PASS
N78-3700-3800	30	30	CP-16QAM	H	Outer_Full	27.710	29.340	PASS
N78-3700-3800	30	30	CP-64QAM	H	Outer_Full	27.795	29.520	PASS
N78-3700-3800	30	30	CP-256QAM	H	Outer_Full	27.828	29.160	PASS
N78-3700-3800	30	40	DFT-QPSK	L	Outer_Full	35.743	37.280	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 24 of 260

N78-3700-3800	30	40	DFT-PI2BPSK	L	Outer_Full	35.683	37.680	PASS
N78-3700-3800	30	40	DFT-16QAM	L	Outer_Full	35.658	37.280	PASS
N78-3700-3800	30	40	DFT-64QAM	L	Outer_Full	35.776	37.440	PASS
N78-3700-3800	30	40	DFT-256QAM	L	Outer_Full	35.662	37.360	PASS
N78-3700-3800	30	40	CP-QPSK	L	Outer_Full	37.910	39.680	PASS
N78-3700-3800	30	40	CP-16QAM	L	Outer_Full	37.828	39.680	PASS
N78-3700-3800	30	40	CP-64QAM	L	Outer_Full	37.746	39.840	PASS
N78-3700-3800	30	40	CP-256QAM	L	Outer_Full	37.797	39.760	PASS
N78-3700-3800	30	40	DFT-QPSK	M	Outer_Full	35.833	37.760	PASS
N78-3700-3800	30	40	DFT-PI2BPSK	M	Outer_Full	35.648	37.520	PASS
N78-3700-3800	30	40	DFT-16QAM	M	Outer_Full	35.684	37.440	PASS
N78-3700-3800	30	40	DFT-64QAM	M	Outer_Full	35.675	37.520	PASS
N78-3700-3800	30	40	DFT-256QAM	M	Outer_Full	35.585	37.200	PASS
N78-3700-3800	30	40	CP-QPSK	M	Outer_Full	37.886	40.000	PASS
N78-3700-3800	30	40	CP-16QAM	M	Outer_Full	37.874	39.360	PASS
N78-3700-3800	30	40	CP-64QAM	M	Outer_Full	37.923	40.000	PASS
N78-3700-3800	30	40	CP-256QAM	M	Outer_Full	37.761	39.360	PASS
N78-3700-3800	30	40	DFT-QPSK	H	Outer_Full	35.708	37.920	PASS
N78-3700-3800	30	40	DFT-PI2BPSK	H	Outer_Full	35.799	37.600	PASS
N78-3700-3800	30	40	DFT-16QAM	H	Outer_Full	35.814	37.280	PASS
N78-3700-3800	30	40	DFT-64QAM	H	Outer_Full	35.746	37.280	PASS
N78-3700-3800	30	40	DFT-256QAM	H	Outer_Full	35.723	37.680	PASS
N78-3700-3800	30	40	CP-QPSK	H	Outer_Full	37.810	39.920	PASS
N78-3700-3800	30	40	CP-16QAM	H	Outer_Full	37.775	39.760	PASS
N78-3700-3800	30	40	CP-64QAM	H	Outer_Full	37.719	39.600	PASS
N78-3700-3800	30	40	CP-256QAM	H	Outer_Full	37.799	39.840	PASS
N78-3700-3800	30	50	DFT-QPSK	L	Outer_Full	45.627	47.300	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	L	Outer_Full	45.533	47.400	PASS
N78-3700-3800	30	50	DFT-16QAM	L	Outer_Full	45.743	47.700	PASS
N78-3700-3800	30	50	DFT-64QAM	L	Outer_Full	45.660	47.700	PASS
N78-3700-3800	30	50	DFT-256QAM	L	Outer_Full	45.701	47.400	PASS
N78-3700-3800	30	50	CP-QPSK	L	Outer_Full	47.366	49.300	PASS
N78-3700-3800	30	50	CP-16QAM	L	Outer_Full	47.408	49.400	PASS
N78-3700-3800	30	50	CP-64QAM	L	Outer_Full	47.480	49.400	PASS
N78-3700-3800	30	50	CP-256QAM	L	Outer_Full	47.557	49.400	PASS
N78-3700-3800	30	50	DFT-QPSK	M	Outer_Full	45.600	47.500	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	M	Outer_Full	45.655	47.500	PASS
N78-3700-3800	30	50	DFT-16QAM	M	Outer_Full	45.659	47.700	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 25 of 260

N78-3700-3800	30	50	DFT-64QAM	M	Outer_Full	45.787	47.900	PASS
N78-3700-3800	30	50	DFT-256QAM	M	Outer_Full	45.673	47.500	PASS
N78-3700-3800	30	50	CP-QPSK	M	Outer_Full	47.446	49.200	PASS
N78-3700-3800	30	50	CP-16QAM	M	Outer_Full	47.503	49.500	PASS
N78-3700-3800	30	50	CP-64QAM	M	Outer_Full	47.398	49.200	PASS
N78-3700-3800	30	50	CP-256QAM	M	Outer_Full	47.435	49.300	PASS
N78-3700-3800	30	50	DFT-QPSK	H	Outer_Full	45.706	47.600	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	H	Outer_Full	45.720	47.500	PASS
N78-3700-3800	30	50	DFT-16QAM	H	Outer_Full	45.750	47.700	PASS
N78-3700-3800	30	50	DFT-64QAM	H	Outer_Full	45.507	48.000	PASS
N78-3700-3800	30	50	DFT-256QAM	H	Outer_Full	45.657	47.500	PASS
N78-3700-3800	30	50	CP-QPSK	H	Outer_Full	47.270	49.400	PASS
N78-3700-3800	30	50	CP-16QAM	H	Outer_Full	47.412	50.000	PASS
N78-3700-3800	30	50	CP-64QAM	H	Outer_Full	47.546	49.700	PASS
N78-3700-3800	30	50	CP-256QAM	H	Outer_Full	47.326	49.200	PASS
N78-3700-3800	30	60	DFT-QPSK	L	Outer_Full	57.779	59.760	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	L	Outer_Full	57.747	60.000	PASS
N78-3700-3800	30	60	DFT-16QAM	L	Outer_Full	57.882	59.880	PASS
N78-3700-3800	30	60	DFT-64QAM	L	Outer_Full	57.717	59.520	PASS
N78-3700-3800	30	60	DFT-256QAM	L	Outer_Full	57.733	59.880	PASS
N78-3700-3800	30	60	CP-QPSK	L	Outer_Full	57.715	59.880	PASS
N78-3700-3800	30	60	CP-16QAM	L	Outer_Full	57.699	59.760	PASS
N78-3700-3800	30	60	CP-64QAM	L	Outer_Full	57.693	59.640	PASS
N78-3700-3800	30	60	CP-256QAM	L	Outer_Full	57.798	60.000	PASS
N78-3700-3800	30	60	DFT-QPSK	M	Outer_Full	57.923	59.880	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	M	Outer_Full	57.880	59.760	PASS
N78-3700-3800	30	60	DFT-16QAM	M	Outer_Full	57.700	59.640	PASS
N78-3700-3800	30	60	DFT-64QAM	M	Outer_Full	57.691	59.880	PASS
N78-3700-3800	30	60	DFT-256QAM	M	Outer_Full	57.756	59.640	PASS
N78-3700-3800	30	60	CP-QPSK	M	Outer_Full	57.784	60.240	PASS
N78-3700-3800	30	60	CP-16QAM	M	Outer_Full	57.745	59.760	PASS
N78-3700-3800	30	60	CP-64QAM	M	Outer_Full	57.800	59.880	PASS
N78-3700-3800	30	60	CP-256QAM	M	Outer_Full	57.873	59.520	PASS
N78-3700-3800	30	60	DFT-QPSK	H	Outer_Full	57.734	60.000	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	H	Outer_Full	57.764	59.760	PASS
N78-3700-3800	30	60	DFT-16QAM	H	Outer_Full	57.853	59.520	PASS
N78-3700-3800	30	60	DFT-64QAM	H	Outer_Full	57.816	59.760	PASS
N78-3700-3800	30	60	DFT-256QAM	H	Outer_Full	57.907	60.120	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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 26 of 260

N78-3700-3800	30	60	CP-QPSK	H	Outer_Full	57.920	59.880	PASS
N78-3700-3800	30	60	CP-16QAM	H	Outer_Full	57.715	59.760	PASS
N78-3700-3800	30	60	CP-64QAM	H	Outer_Full	57.821	59.880	PASS
N78-3700-3800	30	60	CP-256QAM	H	Outer_Full	57.710	60.000	PASS
N78-3700-3800	30	70	DFT-QPSK	L	Outer_Full	64.130	66.640	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	L	Outer_Full	64.306	66.780	PASS
N78-3700-3800	30	70	DFT-16QAM	L	Outer_Full	64.188	66.640	PASS
N78-3700-3800	30	70	DFT-64QAM	L	Outer_Full	64.256	66.500	PASS
N78-3700-3800	30	70	DFT-256QAM	L	Outer_Full	64.281	66.500	PASS
N78-3700-3800	30	70	CP-QPSK	L	Outer_Full	67.510	69.300	PASS
N78-3700-3800	30	70	CP-16QAM	L	Outer_Full	67.127	69.720	PASS
N78-3700-3800	30	70	CP-64QAM	L	Outer_Full	67.357	69.440	PASS
N78-3700-3800	30	70	CP-256QAM	L	Outer_Full	67.132	69.580	PASS
N78-3700-3800	30	70	DFT-QPSK	M	Outer_Full	64.351	66.220	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	M	Outer_Full	64.250	66.500	PASS
N78-3700-3800	30	70	DFT-16QAM	M	Outer_Full	64.113	66.220	PASS
N78-3700-3800	30	70	DFT-64QAM	M	Outer_Full	64.229	66.220	PASS
N78-3700-3800	30	70	DFT-256QAM	M	Outer_Full	64.167	66.220	PASS
N78-3700-3800	30	70	CP-QPSK	M	Outer_Full	67.358	70.000	PASS
N78-3700-3800	30	70	CP-16QAM	M	Outer_Full	67.320	70.140	PASS
N78-3700-3800	30	70	CP-64QAM	M	Outer_Full	67.433	69.580	PASS
N78-3700-3800	30	70	CP-256QAM	M	Outer_Full	67.302	69.440	PASS
N78-3700-3800	30	70	DFT-QPSK	H	Outer_Full	64.218	66.220	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	H	Outer_Full	64.235	66.500	PASS
N78-3700-3800	30	70	DFT-16QAM	H	Outer_Full	64.045	66.360	PASS
N78-3700-3800	30	70	DFT-64QAM	H	Outer_Full	64.151	66.500	PASS
N78-3700-3800	30	70	DFT-256QAM	H	Outer_Full	64.368	66.500	PASS
N78-3700-3800	30	70	CP-QPSK	H	Outer_Full	67.487	69.580	PASS
N78-3700-3800	30	70	CP-16QAM	H	Outer_Full	67.358	69.580	PASS
N78-3700-3800	30	70	CP-64QAM	H	Outer_Full	67.287	69.860	PASS
N78-3700-3800	30	70	CP-256QAM	H	Outer_Full	67.363	69.440	PASS
N78-3700-3800	30	80	DFT-QPSK	L	Outer_Full	77.003	80.480	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	L	Outer_Full	76.873	80.320	PASS
N78-3700-3800	30	80	DFT-16QAM	L	Outer_Full	77.118	80.320	PASS
N78-3700-3800	30	80	DFT-64QAM	L	Outer_Full	77.147	80.320	PASS
N78-3700-3800	30	80	DFT-256QAM	L	Outer_Full	77.005	80.160	PASS
N78-3700-3800	30	80	CP-QPSK	L	Outer_Full	77.360	80.800	PASS
N78-3700-3800	30	80	CP-16QAM	L	Outer_Full	77.521	80.640	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 27 of 260

N78-3700-3800	30	80	CP-64QAM	L	Outer_Full	77.353	80.480	PASS
N78-3700-3800	30	80	CP-256QAM	L	Outer_Full	77.191	80.480	PASS
N78-3700-3800	30	80	DFT-QPSK	M	Outer_Full	77.049	80.480	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	M	Outer_Full	76.999	80.320	PASS
N78-3700-3800	30	80	DFT-16QAM	M	Outer_Full	77.022	80.320	PASS
N78-3700-3800	30	80	DFT-64QAM	M	Outer_Full	76.945	80.320	PASS
N78-3700-3800	30	80	DFT-256QAM	M	Outer_Full	77.072	80.320	PASS
N78-3700-3800	30	80	CP-QPSK	M	Outer_Full	77.449	80.640	PASS
N78-3700-3800	30	80	CP-16QAM	M	Outer_Full	77.521	80.640	PASS
N78-3700-3800	30	80	CP-64QAM	M	Outer_Full	77.318	80.640	PASS
N78-3700-3800	30	80	CP-256QAM	M	Outer_Full	77.357	80.480	PASS
N78-3700-3800	30	80	DFT-QPSK	H	Outer_Full	77.229	80.320	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	H	Outer_Full	77.096	80.320	PASS
N78-3700-3800	30	80	DFT-16QAM	H	Outer_Full	77.285	80.320	PASS
N78-3700-3800	30	80	DFT-64QAM	H	Outer_Full	77.020	80.320	PASS
N78-3700-3800	30	80	DFT-256QAM	H	Outer_Full	77.003	80.480	PASS
N78-3700-3800	30	80	CP-QPSK	H	Outer_Full	77.393	80.640	PASS
N78-3700-3800	30	80	CP-16QAM	H	Outer_Full	77.380	80.800	PASS
N78-3700-3800	30	80	CP-64QAM	H	Outer_Full	77.355	80.640	PASS
N78-3700-3800	30	80	CP-256QAM	H	Outer_Full	77.287	80.640	PASS
N78-3700-3800	30	90	DFT-QPSK	L	Outer_Full	85.577	88.920	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	L	Outer_Full	85.633	88.920	PASS
N78-3700-3800	30	90	DFT-16QAM	L	Outer_Full	85.602	89.100	PASS
N78-3700-3800	30	90	DFT-64QAM	L	Outer_Full	85.523	89.100	PASS
N78-3700-3800	30	90	DFT-256QAM	L	Outer_Full	85.657	88.920	PASS
N78-3700-3800	30	90	CP-QPSK	L	Outer_Full	87.253	90.720	PASS
N78-3700-3800	30	90	CP-16QAM	L	Outer_Full	87.235	90.720	PASS
N78-3700-3800	30	90	CP-64QAM	L	Outer_Full	87.284	90.720	PASS
N78-3700-3800	30	90	CP-256QAM	L	Outer_Full	87.316	90.540	PASS
N78-3700-3800	30	90	DFT-QPSK	M	Outer_Full	85.774	89.100	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	M	Outer_Full	85.571	88.920	PASS
N78-3700-3800	30	90	DFT-16QAM	M	Outer_Full	85.740	88.920	PASS
N78-3700-3800	30	90	DFT-64QAM	M	Outer_Full	85.459	88.920	PASS
N78-3700-3800	30	90	DFT-256QAM	M	Outer_Full	85.458	89.280	PASS
N78-3700-3800	30	90	CP-QPSK	M	Outer_Full	87.517	90.720	PASS
N78-3700-3800	30	90	CP-16QAM	M	Outer_Full	87.264	90.720	PASS
N78-3700-3800	30	90	CP-64QAM	M	Outer_Full	87.410	90.720	PASS
N78-3700-3800	30	90	CP-256QAM	M	Outer_Full	87.517	90.720	PASS



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

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

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

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

Report No.: SEWA2309000114RG10

Rev.: 01

Page: 28 of 260

N78-3700-3800	30	90	DFT-QPSK	H	Outer_Full	85.443	89.100	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	H	Outer_Full	85.536	88.920	PASS
N78-3700-3800	30	90	DFT-16QAM	H	Outer_Full	85.449	88.920	PASS
N78-3700-3800	30	90	DFT-64QAM	H	Outer_Full	85.602	88.920	PASS
N78-3700-3800	30	90	DFT-256QAM	H	Outer_Full	85.667	89.100	PASS
N78-3700-3800	30	90	CP-QPSK	H	Outer_Full	87.232	90.900	PASS
N78-3700-3800	30	90	CP-16QAM	H	Outer_Full	87.302	90.720	PASS
N78-3700-3800	30	90	CP-64QAM	H	Outer_Full	87.274	90.720	PASS
N78-3700-3800	30	90	CP-256QAM	H	Outer_Full	87.716	90.720	PASS
N78-3700-3800	30	100	DFT-QPSK	L	Outer_Full	96.439	99.800	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	L	Outer_Full	96.122	99.800	PASS
N78-3700-3800	30	100	DFT-16QAM	L	Outer_Full	96.308	100.000	PASS
N78-3700-3800	30	100	DFT-64QAM	L	Outer_Full	96.484	99.800	PASS
N78-3700-3800	30	100	DFT-256QAM	L	Outer_Full	96.127	100.000	PASS
N78-3700-3800	30	100	CP-QPSK	L	Outer_Full	97.267	101.000	PASS
N78-3700-3800	30	100	CP-16QAM	L	Outer_Full	97.234	101.000	PASS
N78-3700-3800	30	100	CP-64QAM	L	Outer_Full	97.210	100.800	PASS
N78-3700-3800	30	100	CP-256QAM	L	Outer_Full	97.399	100.800	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Outer_Full	96.270	99.800	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	96.161	100.000	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Outer_Full	96.191	99.800	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Outer_Full	96.249	99.800	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	96.288	99.800	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	97.331	100.800	PASS
N78-3700-3800	30	100	CP-16QAM	M	Outer_Full	97.343	100.800	PASS
N78-3700-3800	30	100	CP-64QAM	M	Outer_Full	97.226	100.600	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	97.447	100.800	PASS
N78-3700-3800	30	100	DFT-QPSK	H	Outer_Full	96.209	99.800	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	H	Outer_Full	96.277	100.200	PASS
N78-3700-3800	30	100	DFT-16QAM	H	Outer_Full	96.118	99.800	PASS
N78-3700-3800	30	100	DFT-64QAM	H	Outer_Full	95.934	99.600	PASS
N78-3700-3800	30	100	DFT-256QAM	H	Outer_Full	95.926	99.800	PASS
N78-3700-3800	30	100	CP-QPSK	H	Outer_Full	97.303	100.600	PASS
N78-3700-3800	30	100	CP-16QAM	H	Outer_Full	97.303	100.800	PASS
N78-3700-3800	30	100	CP-64QAM	H	Outer_Full	97.289	100.800	PASS
N78-3700-3800	30	100	CP-256QAM	H	Outer_Full	97.287	100.800	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

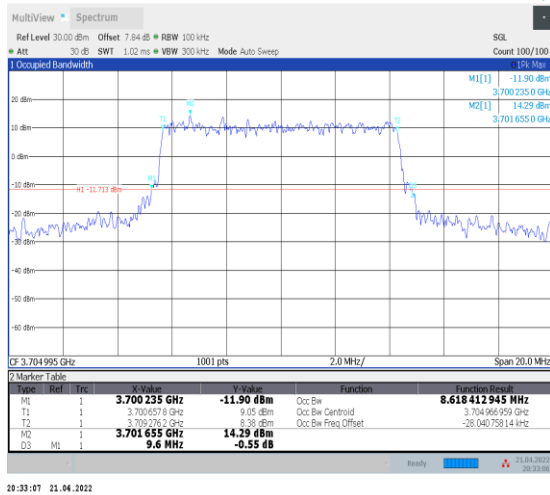
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG10

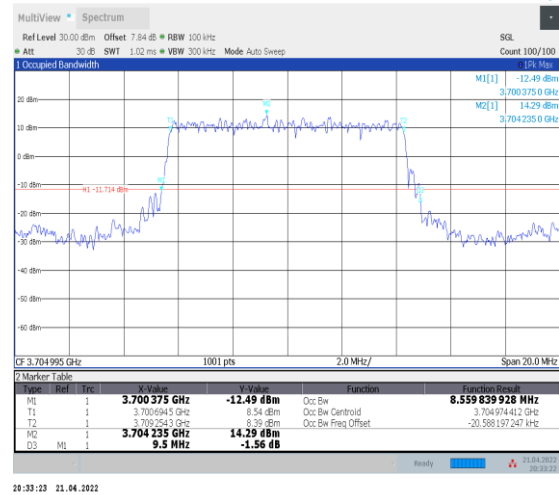
Rev.: 01

Page: 29 of 260

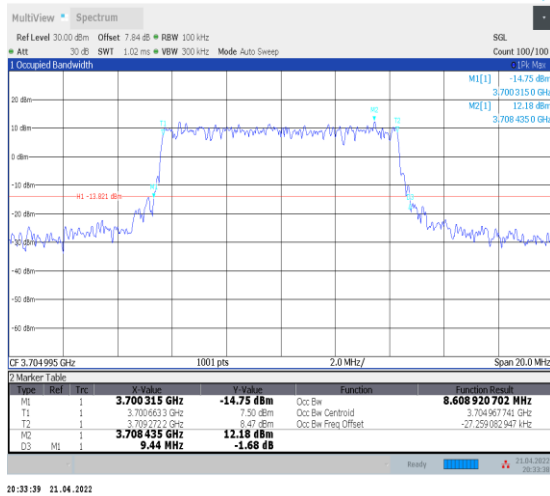
Test Graphs



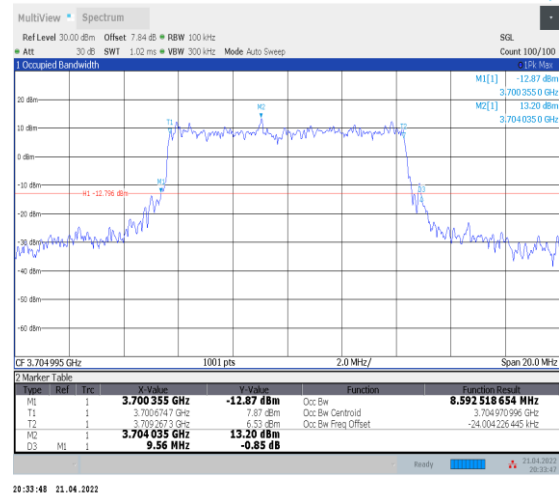
1-N78-3700-3800--30-10-L-1-DFT-QPSK-Out_ Full-24@0-Ant0-8.618-9.600≤10-PASS



1-N78-3700-3800--30-10-L-2-DFT-PI2BPSK-Out_ Full-24@0-Ant0-8.56-9.500≤10-PASS



1-N78-3700-3800--30-10-L-3-DFT-16QAM-Out_ Full-24@0-Ant0-8.609-9.440≤10-PASS



1-N78-3700-3800--30-10-L-4-DFT-64QAM-Out_ Full-24@0-Ant0-8.593-9.560≤10-PASS



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

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

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

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

Member of the SGS Group (SGS SA)