

Report No.: SEWA2309000114RG06

Rev.: 01

Page: 1 of 262

Appendix B.45

NR Band n78(3450-3550)



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.: SEWA2309000114RG06

Rev.: 01

Page: 2 of 262

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N78-3450-3550	30	10	DFT-QPSK	L	Inner_1RB_Left	26.42	27.42	30.00	PASS
N78-3450-3550	30	10	DFT-16QAM	L	Inner_1RB_Left	26.04	27.04	30.00	PASS
N78-3450-3550	30	10	DFT-QPSK	M	Inner_1RB_Left	26.32	27.32	30.00	PASS
N78-3450-3550	30	10	DFT-QPSK	M	Inner_1RB_Right	26.24	27.24	30.00	PASS
N78-3450-3550	30	10	DFT-QPSK	M	Outer_Full	25.89	26.89	30.00	PASS
N78-3450-3550	30	10	DFT-16QAM	M	Inner_1RB_Left	25.98	26.98	30.00	PASS
N78-3450-3550	30	10	DFT-QPSK	H	Inner_1RB_Left	26.09	27.09	30.00	PASS
N78-3450-3550	30	10	DFT-16QAM	H	Inner_1RB_Left	25.65	26.65	30.00	PASS
N78-3450-3550	30	15	DFT-QPSK	L	Inner_1RB_Left	26.49	27.49	30.00	PASS
N78-3450-3550	30	15	DFT-16QAM	L	Inner_1RB_Left	26.15	27.15	30.00	PASS
N78-3450-3550	30	15	DFT-QPSK	M	Inner_1RB_Left	26.4	27.4	30.00	PASS
N78-3450-3550	30	15	DFT-16QAM	M	Inner_1RB_Left	26.07	27.07	30.00	PASS
N78-3450-3550	30	15	DFT-QPSK	H	Inner_1RB_Left	26.21	27.21	30.00	PASS
N78-3450-3550	30	15	DFT-16QAM	H	Inner_1RB_Left	25.85	26.85	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Inner_1RB_Left	26.56	27.56	30.00	PASS
N78-3450-3550	30	20	DFT-16QAM	L	Inner_1RB_Left	26.17	27.17	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Left	26.46	27.46	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Right	26.28	27.28	30.00	PASS
N78-3450-3550	30	20	DFT-16QAM	M	Inner_1RB_Left	26.14	27.14	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3450-3550	30	20	DFT-16QAM	H	Inner_1RB_Left	25.85	26.85	30.00	PASS
N78-3450-3550	30	30	DFT-QPSK	L	Inner_1RB_Left	26.63	27.63	30.00	PASS
N78-3450-3550	30	30	DFT-16QAM	L	Inner_1RB_Left	26.3	27.3	30.00	PASS
N78-3450-3550	30	30	DFT-QPSK	M	Inner_1RB_Left	26.46	27.46	30.00	PASS
N78-3450-3550	30	30	DFT-16QAM	M	Inner_1RB_Left	26.06	27.06	30.00	PASS
N78-3450-3550	30	30	DFT-QPSK	H	Inner_1RB_Left	26.28	27.28	30.00	PASS
N78-3450-3550	30	30	DFT-16QAM	H	Inner_1RB_Left	25.94	26.94	30.00	PASS
N78-3450-3550	30	40	DFT-QPSK	L	Inner_1RB_Left	26.72	27.72	30.00	PASS
N78-3450-3550	30	40	DFT-16QAM	L	Inner_1RB_Left	26.37	27.37	30.00	PASS
N78-3450-3550	30	40	DFT-QPSK	M	Inner_1RB_Left	26.51	27.51	30.00	PASS
N78-3450-3550	30	40	DFT-16QAM	M	Inner_1RB_Left	26.19	27.19	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.: SEWA2309000114RG06

Rev.: 01

Page: 3 of 262

N78-3450-3550	30	40	DFT-QPSK	H	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3450-3550	30	40	DFT-16QAM	H	Inner_1RB_Left	25.97	26.97	30.00	PASS
N78-3450-3550	30	50	DFT-QPSK	L	Inner_1RB_Left	26.35	27.35	30.00	PASS
N78-3450-3550	30	50	DFT-16QAM	L	Inner_1RB_Left	25.98	26.98	30.00	PASS
N78-3450-3550	30	50	DFT-QPSK	M	Inner_1RB_Left	26.22	27.22	30.00	PASS
N78-3450-3550	30	50	DFT-16QAM	M	Inner_1RB_Left	25.87	26.87	30.00	PASS
N78-3450-3550	30	50	DFT-QPSK	H	Inner_1RB_Left	25.98	26.98	30.00	PASS
N78-3450-3550	30	50	DFT-16QAM	H	Inner_1RB_Left	25.69	26.69	30.00	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Inner_1RB_Left	26.48	27.48	30.00	PASS
N78-3450-3550	30	60	DFT-16QAM	L	Inner_1RB_Left	26.18	27.18	30.00	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3450-3550	30	60	DFT-16QAM	M	Inner_1RB_Left	25.9	26.9	30.00	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Inner_1RB_Left	26.24	27.24	30.00	PASS
N78-3450-3550	30	60	DFT-16QAM	H	Inner_1RB_Left	25.9	26.9	30.00	PASS
N78-3450-3550	30	70	DFT-QPSK	L	Inner_1RB_Left	26.38	27.38	30.00	PASS
N78-3450-3550	30	70	DFT-16QAM	L	Inner_1RB_Left	26.11	27.11	30.00	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Inner_1RB_Left	26.28	27.28	30.00	PASS
N78-3450-3550	30	70	DFT-16QAM	M	Inner_1RB_Left	25.94	26.94	30.00	PASS
N78-3450-3550	30	70	DFT-QPSK	H	Inner_1RB_Left	26.15	27.15	30.00	PASS
N78-3450-3550	30	70	DFT-16QAM	H	Inner_1RB_Left	25.85	26.85	30.00	PASS
N78-3450-3550	30	80	DFT-QPSK	L	Inner_1RB_Left	26.4	27.4	30.00	PASS
N78-3450-3550	30	80	DFT-16QAM	L	Inner_1RB_Left	26.01	27.01	30.00	PASS
N78-3450-3550	30	80	DFT-QPSK	M	Inner_1RB_Left	26.28	27.28	30.00	PASS
N78-3450-3550	30	80	DFT-16QAM	M	Inner_1RB_Left	25.92	26.92	30.00	PASS
N78-3450-3550	30	80	DFT-QPSK	H	Inner_1RB_Left	26.18	27.18	30.00	PASS
N78-3450-3550	30	80	DFT-16QAM	H	Inner_1RB_Left	25.85	26.85	30.00	PASS
N78-3450-3550	30	90	DFT-QPSK	L	Inner_1RB_Left	26.37	27.37	30.00	PASS
N78-3450-3550	30	90	DFT-16QAM	L	Inner_1RB_Left	26.03	27.03	30.00	PASS
N78-3450-3550	30	90	DFT-QPSK	M	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3450-3550	30	90	DFT-16QAM	M	Inner_1RB_Left	25.94	26.94	30.00	PASS
N78-3450-3550	30	90	DFT-QPSK	H	Inner_1RB_Left	26.27	27.27	30.00	PASS
N78-3450-3550	30	90	DFT-16QAM	H	Inner_1RB_Left	25.91	26.91	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	26.3	27.3	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	25.74	26.74	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	26.1	27.1	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Left	26.25	27.25	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Right	25.77	26.77	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Outer_Full	25.68	26.68	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.: SEWA2309000114RG06

Rev.: 01

Page: 4 of 262

N78-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Left	26	27	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Right	25.42	26.42	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	L	Outer_Full	24.58	25.58	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Left	24.26	25.26	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Right	23.87	24.87	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Outer_Full	24.05	25.05	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Left	22.25	23.25	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Right	21.75	22.75	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Outer_Full	22.13	23.13	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	26.2	27.2	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	25.69	26.69	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	26.01	27.01	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Left	26.26	27.26	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Right	25.74	26.74	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	25.67	26.67	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Left	25.87	26.87	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Right	25.34	26.34	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Outer_Full	24.56	25.56	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Left	24.35	25.35	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Right	23.74	24.74	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Outer_Full	24.1	25.1	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Left	22.12	23.12	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Right	21.67	22.67	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	22.05	23.05	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	26.22	27.22	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	25.68	26.68	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	26.01	27.01	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Left	26.17	27.17	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Right	25.6	26.6	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Outer_Full	25.61	26.61	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Left	25.85	26.85	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Right	25.37	26.37	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Outer_Full	24.63	25.63	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Left	24.34	25.34	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Right	23.8	24.8	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Outer_Full	24.14	25.14	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Left	22.15	23.15	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Right	21.68	22.68	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.: SEWA2309000114RG06

Rev.: 01

Page: 5 of 262

N78-3450-3550	30	100	DFT-256QAM	H	Outer_Full	22.07	23.07	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号厂房南部 邮编: 215000

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

Report No.: SEWA2309000114RG06

Rev.: 01

Page: 6 of 262

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant0	Power Ant2	Total Power	EIRP	Verdict
N78-3450-3550	30	10	CP-QPSK	L	Inner_1RB_Left	22.35	21.48	24.95	25.95	PASS
N78-3450-3550	30	10	CP-16QAM	L	Inner_1RB_Left	22.08	21.02	24.59	25.59	PASS
N78-3450-3550	30	10	CP-QPSK	M	Inner_1RB_Left	22.6	21.31	25.01	26.01	PASS
N78-3450-3550	30	10	CP-16QAM	M	Inner_1RB_Left	22.13	20.72	24.49	25.49	PASS
N78-3450-3550	30	10	CP-QPSK	H	Inner_1RB_Left	22.33	21.66	25.02	26.02	PASS
N78-3450-3550	30	10	CP-16QAM	H	Inner_1RB_Left	21.68	20.86	24.3	25.3	PASS
N78-3450-3550	30	15	CP-QPSK	L	Inner_1RB_Left	22.85	21.83	25.38	26.38	PASS
N78-3450-3550	30	15	CP-QPSK	L	Outer_Full	21.26	20.43	23.88	24.88	PASS
N78-3450-3550	30	15	CP-16QAM	L	Inner_1RB_Left	22.17	21.29	24.76	25.76	PASS
N78-3450-3550	30	15	CP-QPSK	M	Inner_1RB_Left	22.42	21.38	24.94	25.94	PASS
N78-3450-3550	30	15	CP-16QAM	M	Inner_1RB_Left	22.2	20.86	24.59	25.59	PASS
N78-3450-3550	30	15	CP-QPSK	H	Inner_1RB_Left	22.39	21.67	25.06	26.06	PASS
N78-3450-3550	30	15	CP-16QAM	H	Inner_1RB_Left	21.96	21.11	24.57	25.57	PASS
N78-3450-3550	30	20	CP-QPSK	L	Inner_1RB_Left	22.79	21.9	25.38	26.38	PASS
N78-3450-3550	30	20	CP-16QAM	L	Inner_1RB_Left	22.22	21.29	24.79	25.79	PASS
N78-3450-3550	30	20	CP-QPSK	M	Inner_1RB_Left	22.68	21.46	25.12	26.12	PASS
N78-3450-3550	30	20	CP-16QAM	M	Inner_1RB_Left	22.2	21.14	24.71	25.71	PASS
N78-3450-3550	30	20	CP-QPSK	H	Inner_1RB_Left	22.3	21.67	25.01	26.01	PASS
N78-3450-3550	30	20	CP-16QAM	H	Inner_1RB_Left	21.95	21	24.51	25.51	PASS
N78-3450-3550	30	30	CP-QPSK	L	Inner_1RB_Left	22.85	22.05	25.48	26.48	PASS
N78-3450-3550	30	30	CP-16QAM	L	Inner_1RB_Left	22.41	21.44	24.96	25.96	PASS
N78-3450-3550	30	30	CP-QPSK	M	Inner_1RB_Left	22.58	21.89	25.26	26.26	PASS
N78-3450-3550	30	30	CP-16QAM	M	Inner_1RB_Left	22.32	21.46	24.92	25.92	PASS
N78-3450-3550	30	30	CP-QPSK	H	Inner_1RB_Left	22.36	21.8	25.1	26.1	PASS
N78-3450-3550	30	30	CP-16QAM	H	Inner_1RB_Left	22.04	21.26	24.68	25.68	PASS
N78-3450-3550	30	40	CP-QPSK	L	Inner_1RB_Left	22.71	22.09	25.42	26.42	PASS
N78-3450-3550	30	40	CP-16QAM	L	Inner_1RB_Left	22.48	21.52	25.04	26.04	PASS
N78-3450-3550	30	40	CP-QPSK	M	Inner_1RB_Left	22.56	22.1	25.35	26.35	PASS
N78-3450-3550	30	40	CP-16QAM	M	Inner_1RB_Left	22.13	21.59	24.88	25.88	PASS
N78-3450-3550	30	40	CP-QPSK	H	Inner_1RB_Left	22.46	21.8	25.15	26.15	PASS
N78-3450-3550	30	40	CP-16QAM	H	Inner_1RB_Left	22.07	21.26	24.69	25.69	PASS
N78-3450-3550	30	50	CP-QPSK	L	Inner_1RB_Left	22.66	21.82	25.27	26.27	PASS
N78-3450-3550	30	50	CP-16QAM	L	Inner_1RB_Left	22.24	21.35	24.83	25.83	PASS
N78-3450-3550	30	50	CP-QPSK	M	Inner_1RB_Left	22.59	21.56	25.12	26.12	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.: SEWA2309000114RG06

Rev.: 01

Page: 7 of 262

N78-3450-3550	30	50	CP-16QAM	M	Inner_1RB_Left	21.96	21.43	24.71	25.71	PASS
N78-3450-3550	30	50	CP-QPSK	H	Inner_1RB_Left	22.23	21.06	24.69	25.69	PASS
N78-3450-3550	30	50	CP-16QAM	H	Inner_1RB_Left	21.87	20.61	24.3	25.3	PASS
N78-3450-3550	30	60	CP-QPSK	L	Inner_1RB_Left	22.63	21.65	25.18	26.18	PASS
N78-3450-3550	30	60	CP-16QAM	L	Inner_1RB_Left	22.17	21.19	24.72	25.72	PASS
N78-3450-3550	30	60	CP-QPSK	M	Inner_1RB_Left	22.4	21.74	25.09	26.09	PASS
N78-3450-3550	30	60	CP-16QAM	M	Inner_1RB_Left	22.03	20.97	24.54	25.54	PASS
N78-3450-3550	30	60	CP-QPSK	H	Inner_1RB_Left	22.28	21.47	24.9	25.9	PASS
N78-3450-3550	30	60	CP-16QAM	H	Inner_1RB_Left	22.12	20.96	24.59	25.59	PASS
N78-3450-3550	30	70	CP-QPSK	L	Inner_1RB_Left	22.45	21.48	25	26	PASS
N78-3450-3550	30	70	CP-16QAM	L	Inner_1RB_Left	22.28	20.97	24.68	25.68	PASS
N78-3450-3550	30	70	CP-QPSK	M	Inner_1RB_Left	22.4	21.67	25.06	26.06	PASS
N78-3450-3550	30	70	CP-16QAM	M	Inner_1RB_Left	22.05	21.18	24.65	25.65	PASS
N78-3450-3550	30	70	CP-QPSK	H	Inner_1RB_Left	22.2	21.61	24.93	25.93	PASS
N78-3450-3550	30	70	CP-16QAM	H	Inner_1RB_Left	21.87	21.1	24.51	25.51	PASS
N78-3450-3550	30	80	CP-QPSK	L	Inner_1RB_Left	22.62	21.57	25.14	26.14	PASS
N78-3450-3550	30	80	CP-16QAM	L	Inner_1RB_Left	22.22	21.14	24.72	25.72	PASS
N78-3450-3550	30	80	CP-QPSK	M	Inner_1RB_Left	22.53	21.79	25.19	26.19	PASS
N78-3450-3550	30	80	CP-16QAM	M	Inner_1RB_Left	22.04	21.33	24.71	25.71	PASS
N78-3450-3550	30	80	CP-QPSK	H	Inner_1RB_Left	22.28	21.64	24.98	25.98	PASS
N78-3450-3550	30	80	CP-16QAM	H	Inner_1RB_Left	21.88	21.05	24.5	25.5	PASS
N78-3450-3550	30	90	CP-QPSK	L	Inner_1RB_Left	22.54	21.54	25.08	26.08	PASS
N78-3450-3550	30	90	CP-16QAM	L	Inner_1RB_Left	22.15	21.06	24.65	25.65	PASS
N78-3450-3550	30	90	CP-QPSK	M	Inner_1RB_Left	22.34	21.75	25.07	26.07	PASS
N78-3450-3550	30	90	CP-16QAM	M	Inner_1RB_Left	21.92	21.17	24.57	25.57	PASS
N78-3450-3550	30	90	CP-QPSK	H	Inner_1RB_Left	22.29	21.78	25.05	26.05	PASS
N78-3450-3550	30	90	CP-16QAM	H	Inner_1RB_Left	22.14	21.16	24.69	25.69	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	22.6	21.57	25.13	26.13	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	22.15	21.18	24.7	25.7	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	20.6	20	23.32	24.32	PASS
N78-3450-3550	30	100	CP-16QAM	L	Inner_1RB_Left	22	21.12	24.59	25.59	PASS
N78-3450-3550	30	100	CP-16QAM	L	Inner_1RB_Right	21.57	20.68	24.16	25.16	PASS
N78-3450-3550	30	100	CP-16QAM	L	Outer_Full	20.72	19.93	23.35	24.35	PASS
N78-3450-3550	30	100	CP-64QAM	L	Inner_1RB_Left	20.42	19.64	23.06	24.06	PASS
N78-3450-3550	30	100	CP-64QAM	L	Inner_1RB_Right	19.95	19.1	22.56	23.56	PASS
N78-3450-3550	30	100	CP-64QAM	L	Outer_Full	20.26	19.41	22.87	23.87	PASS
N78-3450-3550	30	100	CP-256QAM	L	Inner_1RB_Left	17.73	16.58	20.2	21.2	PASS
N78-3450-3550	30	100	CP-256QAM	L	Inner_1RB_Right	17.23	16	19.67	20.67	PASS



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
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.: SEWA2309000114RG06

Rev.: 01

Page: 8 of 262

N78-3450-3550	30	100	CP-256QAM	L	Outer_Full	17.38	16.54	19.99	20.99	PASS
N78-3450-3550	30	100	CP-QPSK	M	Inner_1RB_Left	22.36	21.52	24.97	25.97	PASS
N78-3450-3550	30	100	CP-QPSK	M	Inner_1RB_Right	22.23	21.19	24.75	25.75	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	20.78	19.93	23.39	24.39	PASS
N78-3450-3550	30	100	CP-16QAM	M	Inner_1RB_Left	22.15	21.22	24.72	25.72	PASS
N78-3450-3550	30	100	CP-16QAM	M	Inner_1RB_Right	21.59	20.76	24.21	25.21	PASS
N78-3450-3550	30	100	CP-16QAM	M	Outer_Full	20.82	20.04	23.46	24.46	PASS
N78-3450-3550	30	100	CP-64QAM	M	Inner_1RB_Left	20.71	19.7	23.24	24.24	PASS
N78-3450-3550	30	100	CP-64QAM	M	Inner_1RB_Right	19.99	19.03	22.55	23.55	PASS
N78-3450-3550	30	100	CP-64QAM	M	Outer_Full	20.2	19.41	22.83	23.83	PASS
N78-3450-3550	30	100	CP-256QAM	M	Inner_1RB_Left	17.73	16.57	20.2	21.2	PASS
N78-3450-3550	30	100	CP-256QAM	M	Inner_1RB_Right	17.24	15.97	19.66	20.66	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	17.37	16.59	20.01	21.01	PASS
N78-3450-3550	30	100	CP-QPSK	H	Inner_1RB_Left	22.65	21.61	25.17	26.17	PASS
N78-3450-3550	30	100	CP-QPSK	H	Inner_1RB_Right	22.09	21.26	24.71	25.71	PASS
N78-3450-3550	30	100	CP-QPSK	H	Outer_Full	20.68	19.96	23.35	24.35	PASS
N78-3450-3550	30	100	CP-16QAM	H	Inner_1RB_Left	22.13	21.12	24.66	25.66	PASS
N78-3450-3550	30	100	CP-16QAM	H	Inner_1RB_Right	21.67	20.64	24.2	25.2	PASS
N78-3450-3550	30	100	CP-16QAM	H	Outer_Full	20.71	19.96	23.36	24.36	PASS
N78-3450-3550	30	100	CP-64QAM	H	Inner_1RB_Left	20.59	19.63	23.15	24.15	PASS
N78-3450-3550	30	100	CP-64QAM	H	Inner_1RB_Right	20.13	19.1	22.66	23.66	PASS
N78-3450-3550	30	100	CP-64QAM	H	Outer_Full	20.2	19.49	22.87	23.87	PASS
N78-3450-3550	30	100	CP-256QAM	H	Inner_1RB_Left	17.75	16.6	20.22	21.22	PASS
N78-3450-3550	30	100	CP-256QAM	H	Inner_1RB_Right	17.28	16.21	19.79	20.79	PASS
N78-3450-3550	30	100	CP-256QAM	H	Outer_Full	17.48	16.55	20.05	21.05	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.: SEWA2309000114RG06

Rev.: 01

Page: 9 of 262

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3450-3550	30	100	DFT-256QAM	L	Outer_Full	9.76	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	L	Outer_Full	10.16	≤13	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	9.25	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	10.08	≤13	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Outer_Full	9.64	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	H	Outer_Full	9.88	≤13	PASS

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N78-3450-3550	30	100	DFT-256QAM	L	Outer_Full	100%	0.00	9.64	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	L	Outer_Full	100%	0.00	9.75	≤13	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	100%	0.00	9.68	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	100%	0.00	9.59	≤13	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Outer_Full	100%	0.00	9.66	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	H	Outer_Full	100%	0.00	10.27	≤13	PASS



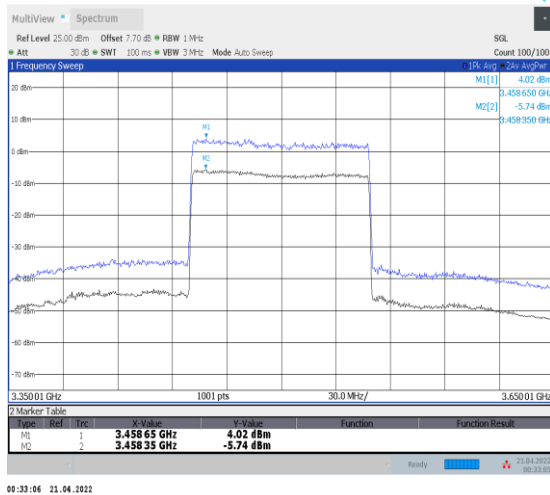
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

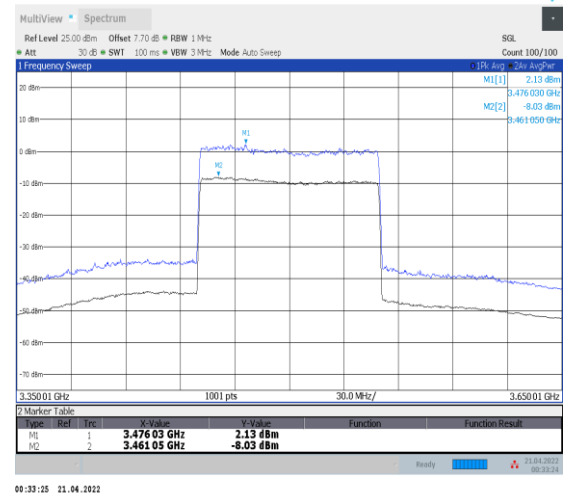
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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

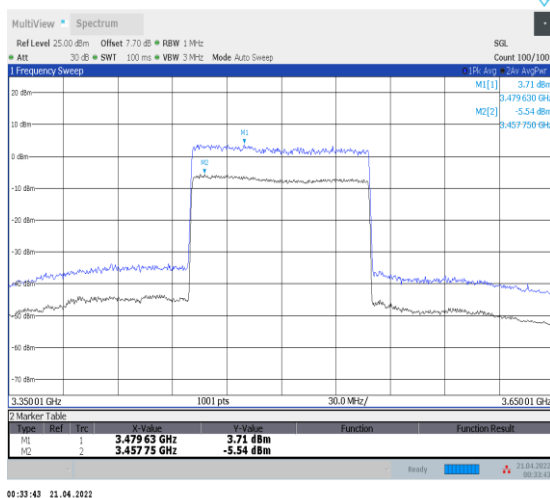
Test Graphs



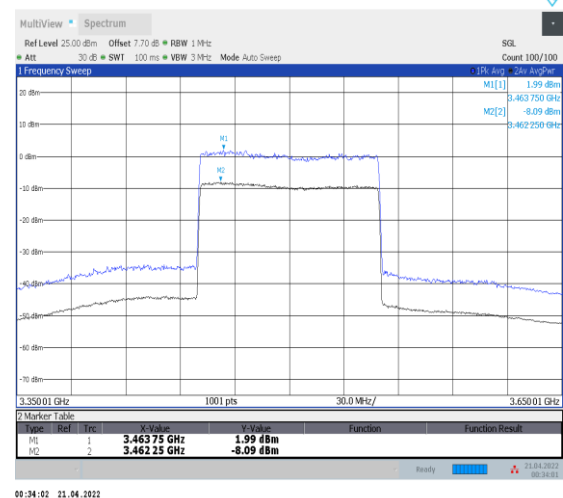
1-N78-3450-3550--30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.76-100%-0.00-9.76-PASS-≤13



1-N78-3450-3550--30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant0-10.16-100%-0.00-10.16-PASS-≤13



1-N78-3450-3550--30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.25-100%-0.00-9.25-PASS-≤13

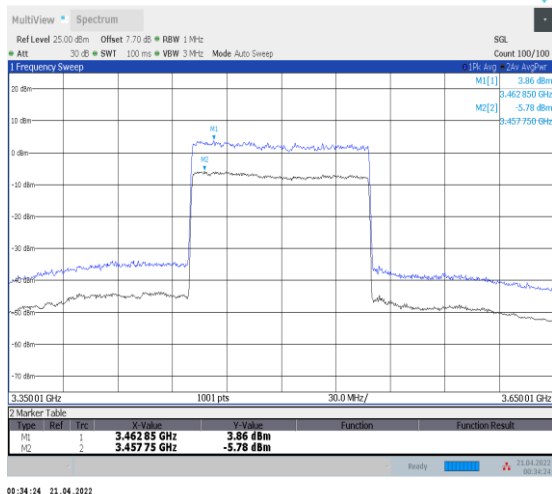


1-N78-3450-3550--30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant0-10.08-100%-0.00-10.08-PASS-≤13

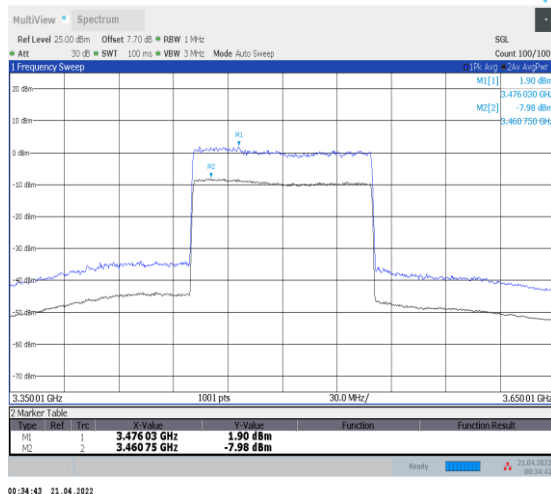
Report No.: SEWA2309000114RG06

Rev.: 01

Page: 11 of 262



1-N78-3450-3550--30-100-H-1-DFT-256QAM-Outer
_Full-270@0-Ant0-9.64-100%-0.00-9.64-PASS-≤13



1-N78-3450-3550--30-100-H-2-CP-256QAM-Outer_F
ull-273@0-Ant0-9.88-100%-0.00-9.88-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

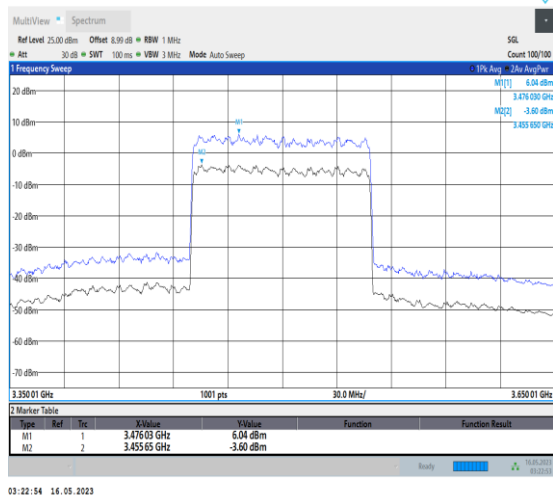
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

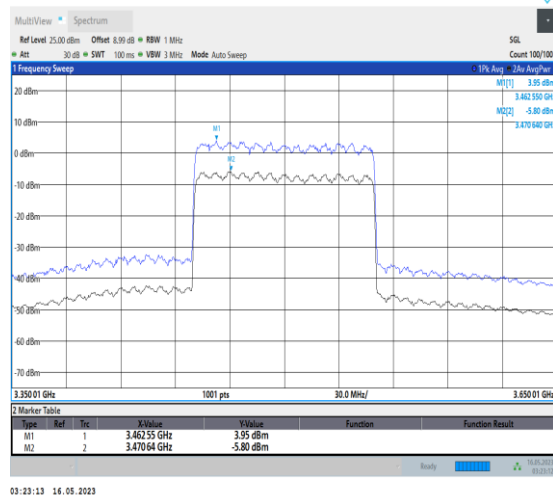
Member of the SGS Group (SGS SA)

Report No.: SEWA2309000114RG06
Rev.: 01
Page: 12 of 262

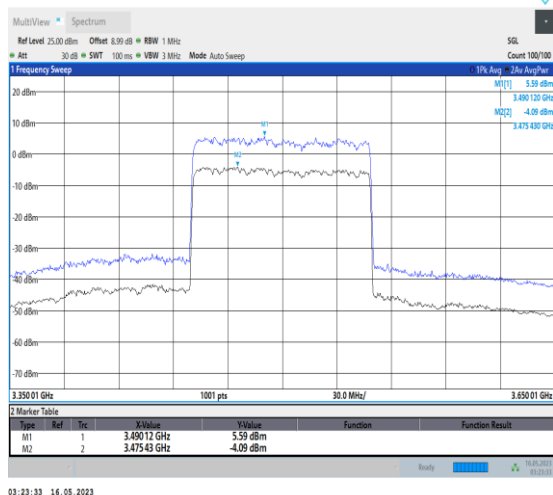
Test Graphs for MIMO



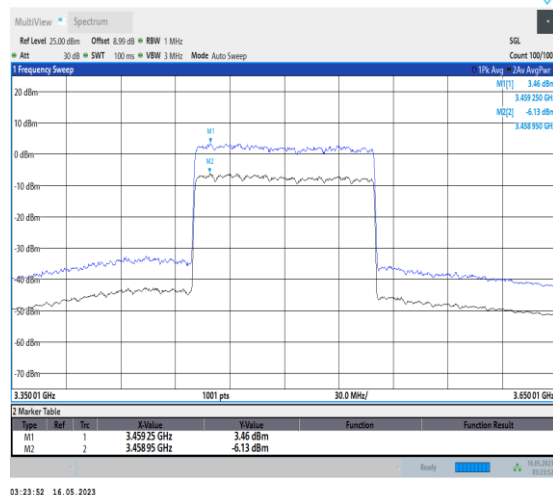
1-N78-3450-3550-PC1-30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.64-100%-0.00-9.64-PASS≤13



1-N78-3450-3550-PC1-30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant0-9.75-100%-0.00-9.75-PASS≤13



1-N78-3450-3550-PC1-30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.68-100%-0.00-9.68-PASS≤13



1-N78-3450-3550-PC1-30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant0-9.59-100%-0.00-9.59-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

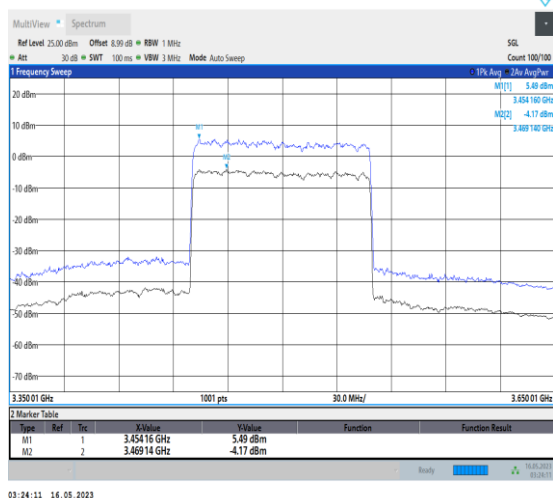
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG06

Rev.: 01

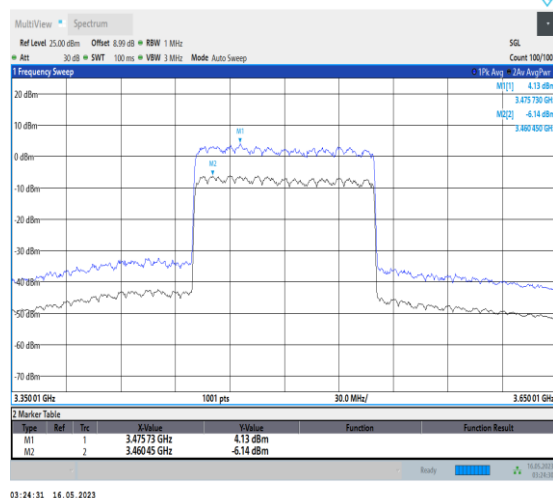
Page: 13 of 262



03:24:11 16.05.2023

1-N78-3450-3550-PC1-30-100-H-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.66-100%-0.00-9.66-PASS≤

13



03:24:31 16.05.2023

1-N78-3450-3550-PC1-30-100-H-2-CP-256QAM-Outer_Full-273@0-Ant0-10.27-100%-0.00-10.27-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.: SEWA2309000114RG06

Rev.: 01

Page: 14 of 262

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450-3550	30	10	DFT-QPSK	L	Outer_Full	8.606	9.720	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	L	Outer_Full	8.564	9.820	PASS
N78-3450-3550	30	10	DFT-16QAM	L	Outer_Full	8.586	9.520	PASS
N78-3450-3550	30	10	DFT-64QAM	L	Outer_Full	8.561	9.340	PASS
N78-3450-3550	30	10	DFT-256QAM	L	Outer_Full	8.551	9.540	PASS
N78-3450-3550	30	10	CP-QPSK	L	Outer_Full	8.614	9.560	PASS
N78-3450-3550	30	10	CP-16QAM	L	Outer_Full	8.567	9.620	PASS
N78-3450-3550	30	10	CP-64QAM	L	Outer_Full	8.541	9.880	PASS
N78-3450-3550	30	10	CP-256QAM	L	Outer_Full	8.624	9.660	PASS
N78-3450-3550	30	10	DFT-QPSK	M	Outer_Full	8.576	9.420	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	M	Outer_Full	8.580	9.480	PASS
N78-3450-3550	30	10	DFT-16QAM	M	Outer_Full	8.599	9.780	PASS
N78-3450-3550	30	10	DFT-64QAM	M	Outer_Full	8.576	9.480	PASS
N78-3450-3550	30	10	DFT-256QAM	M	Outer_Full	8.611	9.460	PASS
N78-3450-3550	30	10	CP-QPSK	M	Outer_Full	8.566	9.880	PASS
N78-3450-3550	30	10	CP-16QAM	M	Outer_Full	8.588	9.740	PASS
N78-3450-3550	30	10	CP-64QAM	M	Outer_Full	8.633	9.840	PASS
N78-3450-3550	30	10	CP-256QAM	M	Outer_Full	8.567	9.100	PASS
N78-3450-3550	30	10	DFT-QPSK	H	Outer_Full	8.587	9.300	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	H	Outer_Full	8.569	9.480	PASS
N78-3450-3550	30	10	DFT-16QAM	H	Outer_Full	8.570	9.560	PASS
N78-3450-3550	30	10	DFT-64QAM	H	Outer_Full	8.570	9.680	PASS
N78-3450-3550	30	10	DFT-256QAM	H	Outer_Full	8.555	9.600	PASS
N78-3450-3550	30	10	CP-QPSK	H	Outer_Full	8.590	9.520	PASS
N78-3450-3550	30	10	CP-16QAM	H	Outer_Full	8.588	9.320	PASS
N78-3450-3550	30	10	CP-64QAM	H	Outer_Full	8.569	9.780	PASS
N78-3450-3550	30	10	CP-256QAM	H	Outer_Full	8.577	9.660	PASS
N78-3450-3550	30	15	DFT-QPSK	L	Outer_Full	12.895	13.920	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	L	Outer_Full	12.868	13.830	PASS
N78-3450-3550	30	15	DFT-16QAM	L	Outer_Full	12.817	13.800	PASS
N78-3450-3550	30	15	DFT-64QAM	L	Outer_Full	12.857	13.710	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.: SEWA2309000114RG06

Rev.: 01

Page: 15 of 262

N78-3450-3550	30	15	DFT-256QAM	L	Outer_Full	12.790	13.740	PASS
N78-3450-3550	30	15	CP-QPSK	L	Outer_Full	13.571	14.760	PASS
N78-3450-3550	30	15	CP-16QAM	L	Outer_Full	13.591	14.550	PASS
N78-3450-3550	30	15	CP-64QAM	L	Outer_Full	13.632	15.060	PASS
N78-3450-3550	30	15	CP-256QAM	L	Outer_Full	13.62	14.730	PASS
N78-3450-3550	30	15	DFT-QPSK	M	Outer_Full	12.885	14.220	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	M	Outer_Full	12.846	14.430	PASS
N78-3450-3550	30	15	DFT-16QAM	M	Outer_Full	12.937	14.220	PASS
N78-3450-3550	30	15	DFT-64QAM	M	Outer_Full	12.880	13.980	PASS
N78-3450-3550	30	15	DFT-256QAM	M	Outer_Full	12.855	14.010	PASS
N78-3450-3550	30	15	CP-QPSK	M	Outer_Full	13.558	14.850	PASS
N78-3450-3550	30	15	CP-16QAM	M	Outer_Full	13.579	14.640	PASS
N78-3450-3550	30	15	CP-64QAM	M	Outer_Full	13.582	15.000	PASS
N78-3450-3550	30	15	CP-256QAM	M	Outer_Full	13.584	14.520	PASS
N78-3450-3550	30	15	DFT-QPSK	H	Outer_Full	12.892	14.610	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	H	Outer_Full	12.873	14.400	PASS
N78-3450-3550	30	15	DFT-16QAM	H	Outer_Full	12.756	14.310	PASS
N78-3450-3550	30	15	DFT-64QAM	H	Outer_Full	12.870	13.710	PASS
N78-3450-3550	30	15	DFT-256QAM	H	Outer_Full	12.854	14.130	PASS
N78-3450-3550	30	15	CP-QPSK	H	Outer_Full	13.605	14.790	PASS
N78-3450-3550	30	15	CP-16QAM	H	Outer_Full	13.598	14.550	PASS
N78-3450-3550	30	15	CP-64QAM	H	Outer_Full	13.570	14.760	PASS
N78-3450-3550	30	15	CP-256QAM	H	Outer_Full	13.573	15.060	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	17.853	19.480	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	L	Outer_Full	17.850	19.440	PASS
N78-3450-3550	30	20	DFT-16QAM	L	Outer_Full	17.860	18.760	PASS
N78-3450-3550	30	20	DFT-64QAM	L	Outer_Full	17.789	18.960	PASS
N78-3450-3550	30	20	DFT-256QAM	L	Outer_Full	17.841	19.320	PASS
N78-3450-3550	30	20	CP-QPSK	L	Outer_Full	18.174	19.480	PASS
N78-3450-3550	30	20	CP-16QAM	L	Outer_Full	18.200	19.880	PASS
N78-3450-3550	30	20	CP-64QAM	L	Outer_Full	18.199	19.800	PASS
N78-3450-3550	30	20	CP-256QAM	L	Outer_Full	18.218	19.240	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	17.852	19.440	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.921	19.480	PASS
N78-3450-3550	30	20	DFT-16QAM	M	Outer_Full	17.767	18.640	PASS
N78-3450-3550	30	20	DFT-64QAM	M	Outer_Full	17.880	19.360	PASS
N78-3450-3550	30	20	DFT-256QAM	M	Outer_Full	17.852	19.440	PASS
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	18.211	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.: SEWA2309000114RG06

Rev.: 01

Page: 16 of 262

N78-3450-3550	30	20	CP-16QAM	M	Outer_Full	18.160	19.440	PASS
N78-3450-3550	30	20	CP-64QAM	M	Outer_Full	18.195	20.080	PASS
N78-3450-3550	30	20	CP-256QAM	M	Outer_Full	18.252	19.920	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	17.854	19.440	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	H	Outer_Full	17.844	18.720	PASS
N78-3450-3550	30	20	DFT-16QAM	H	Outer_Full	17.893	19.080	PASS
N78-3450-3550	30	20	DFT-64QAM	H	Outer_Full	17.878	19.400	PASS
N78-3450-3550	30	20	DFT-256QAM	H	Outer_Full	17.801	19.120	PASS
N78-3450-3550	30	20	CP-QPSK	H	Outer_Full	18.197	19.800	PASS
N78-3450-3550	30	20	CP-16QAM	H	Outer_Full	18.158	19.000	PASS
N78-3450-3550	30	20	CP-64QAM	H	Outer_Full	18.110	19.320	PASS
N78-3450-3550	30	20	CP-256QAM	H	Outer_Full	18.223	19.760	PASS
N78-3450-3550	30	30	DFT-QPSK	L	Outer_Full	26.798	28.740	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	L	Outer_Full	26.825	28.800	PASS
N78-3450-3550	30	30	DFT-16QAM	L	Outer_Full	26.836	28.800	PASS
N78-3450-3550	30	30	DFT-64QAM	L	Outer_Full	26.802	28.680	PASS
N78-3450-3550	30	30	DFT-256QAM	L	Outer_Full	26.818	28.920	PASS
N78-3450-3550	30	30	CP-QPSK	L	Outer_Full	27.830	30.060	PASS
N78-3450-3550	30	30	CP-16QAM	L	Outer_Full	27.845	29.760	PASS
N78-3450-3550	30	30	CP-64QAM	L	Outer_Full	27.823	29.640	PASS
N78-3450-3550	30	30	CP-256QAM	L	Outer_Full	27.849	29.700	PASS
N78-3450-3550	30	30	DFT-QPSK	M	Outer_Full	26.807	28.740	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.838	28.860	PASS
N78-3450-3550	30	30	DFT-16QAM	M	Outer_Full	26.852	28.860	PASS
N78-3450-3550	30	30	DFT-64QAM	M	Outer_Full	26.811	28.680	PASS
N78-3450-3550	30	30	DFT-256QAM	M	Outer_Full	26.827	28.980	PASS
N78-3450-3550	30	30	CP-QPSK	M	Outer_Full	27.853	30.120	PASS
N78-3450-3550	30	30	CP-16QAM	M	Outer_Full	27.870	29.820	PASS
N78-3450-3550	30	30	CP-64QAM	M	Outer_Full	27.844	29.700	PASS
N78-3450-3550	30	30	CP-256QAM	M	Outer_Full	27.873	29.820	PASS
N78-3450-3550	30	30	DFT-QPSK	H	Outer_Full	26.795	28.740	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	H	Outer_Full	26.826	28.800	PASS
N78-3450-3550	30	30	DFT-16QAM	H	Outer_Full	26.847	28.800	PASS
N78-3450-3550	30	30	DFT-64QAM	H	Outer_Full	26.787	28.680	PASS
N78-3450-3550	30	30	DFT-256QAM	H	Outer_Full	26.791	28.980	PASS
N78-3450-3550	30	30	CP-QPSK	H	Outer_Full	27.835	30.060	PASS
N78-3450-3550	30	30	CP-16QAM	H	Outer_Full	27.850	29.760	PASS
N78-3450-3550	30	30	CP-64QAM	H	Outer_Full	27.834	29.700	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG06

Rev.: 01

Page: 17 of 262

N78-3450-3550	30	30	CP-256QAM	H	Outer_Full	27.838	29.760	PASS
N78-3450-3550	30	40	DFT-QPSK	L	Outer_Full	35.687	38.160	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	L	Outer_Full	35.747	38.080	PASS
N78-3450-3550	30	40	DFT-16QAM	L	Outer_Full	35.713	38.160	PASS
N78-3450-3550	30	40	DFT-64QAM	L	Outer_Full	35.843	38.080	PASS
N78-3450-3550	30	40	DFT-256QAM	L	Outer_Full	35.697	38.080	PASS
N78-3450-3550	30	40	CP-QPSK	L	Outer_Full	37.875	40.320	PASS
N78-3450-3550	30	40	CP-16QAM	L	Outer_Full	37.819	40.320	PASS
N78-3450-3550	30	40	CP-64QAM	L	Outer_Full	37.813	40.400	PASS
N78-3450-3550	30	40	CP-256QAM	L	Outer_Full	37.831	40.080	PASS
N78-3450-3550	30	40	DFT-QPSK	M	Outer_Full	35.734	38.240	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.835	38.080	PASS
N78-3450-3550	30	40	DFT-16QAM	M	Outer_Full	35.761	38.240	PASS
N78-3450-3550	30	40	DFT-64QAM	M	Outer_Full	35.888	38.240	PASS
N78-3450-3550	30	40	DFT-256QAM	M	Outer_Full	35.761	38.080	PASS
N78-3450-3550	30	40	CP-QPSK	M	Outer_Full	37.975	40.400	PASS
N78-3450-3550	30	40	CP-16QAM	M	Outer_Full	37.889	40.240	PASS
N78-3450-3550	30	40	CP-64QAM	M	Outer_Full	37.883	40.400	PASS
N78-3450-3550	30	40	CP-256QAM	M	Outer_Full	37.900	40.480	PASS
N78-3450-3550	30	40	DFT-QPSK	H	Outer_Full	35.707	38.240	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	H	Outer_Full	35.746	37.920	PASS
N78-3450-3550	30	40	DFT-16QAM	H	Outer_Full	35.747	38.080	PASS
N78-3450-3550	30	40	DFT-64QAM	H	Outer_Full	35.850	38.000	PASS
N78-3450-3550	30	40	DFT-256QAM	H	Outer_Full	35.683	38.000	PASS
N78-3450-3550	30	40	CP-QPSK	H	Outer_Full	37.864	40.320	PASS
N78-3450-3550	30	40	CP-16QAM	H	Outer_Full	37.861	40.320	PASS
N78-3450-3550	30	40	CP-64QAM	H	Outer_Full	37.835	40.400	PASS
N78-3450-3550	30	40	CP-256QAM	H	Outer_Full	37.849	40.240	PASS
N78-3450-3550	30	50	DFT-QPSK	L	Outer_Full	45.848	47.600	PASS
N78-3450-3550	30	50	DFT-PI2BPSK	L	Outer_Full	45.638	47.500	PASS
N78-3450-3550	30	50	DFT-16QAM	L	Outer_Full	45.776	47.600	PASS
N78-3450-3550	30	50	DFT-64QAM	L	Outer_Full	45.622	47.400	PASS
N78-3450-3550	30	50	DFT-256QAM	L	Outer_Full	45.687	47.500	PASS
N78-3450-3550	30	50	CP-QPSK	L	Outer_Full	47.358	49.200	PASS
N78-3450-3550	30	50	CP-16QAM	L	Outer_Full	47.354	49.300	PASS
N78-3450-3550	30	50	CP-64QAM	L	Outer_Full	47.418	49.800	PASS
N78-3450-3550	30	50	CP-256QAM	L	Outer_Full	47.254	49.300	PASS
N78-3450-3550	30	50	DFT-QPSK	M	Outer_Full	45.936	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.: SEWA2309000114RG06

Rev.: 01

Page: 18 of 262

N78-3450-3550	30	50	DFT-PI2BPSK	M	Outer_Full	45.766	47.500	PASS
N78-3450-3550	30	50	DFT-16QAM	M	Outer_Full	45.541	47.700	PASS
N78-3450-3550	30	50	DFT-64QAM	M	Outer_Full	45.719	48.100	PASS
N78-3450-3550	30	50	DFT-256QAM	M	Outer_Full	45.831	47.600	PASS
N78-3450-3550	30	50	CP-QPSK	M	Outer_Full	47.582	49.500	PASS
N78-3450-3550	30	50	CP-16QAM	M	Outer_Full	47.398	49.300	PASS
N78-3450-3550	30	50	CP-64QAM	M	Outer_Full	47.422	49.300	PASS
N78-3450-3550	30	50	CP-256QAM	M	Outer_Full	47.424	49.300	PASS
N78-3450-3550	30	50	DFT-QPSK	H	Outer_Full	45.627	47.400	PASS
N78-3450-3550	30	50	DFT-PI2BPSK	H	Outer_Full	45.811	47.900	PASS
N78-3450-3550	30	50	DFT-16QAM	H	Outer_Full	45.746	47.500	PASS
N78-3450-3550	30	50	DFT-64QAM	H	Outer_Full	45.748	47.900	PASS
N78-3450-3550	30	50	DFT-256QAM	H	Outer_Full	45.793	47.600	PASS
N78-3450-3550	30	50	CP-QPSK	H	Outer_Full	47.325	49.100	PASS
N78-3450-3550	30	50	CP-16QAM	H	Outer_Full	47.342	49.100	PASS
N78-3450-3550	30	50	CP-64QAM	H	Outer_Full	47.222	49.200	PASS
N78-3450-3550	30	50	CP-256QAM	H	Outer_Full	47.284	49.600	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Outer_Full	57.790	60.360	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	L	Outer_Full	57.794	60.360	PASS
N78-3450-3550	30	60	DFT-16QAM	L	Outer_Full	57.892	60.240	PASS
N78-3450-3550	30	60	DFT-64QAM	L	Outer_Full	57.934	60.720	PASS
N78-3450-3550	30	60	DFT-256QAM	L	Outer_Full	57.931	60.360	PASS
N78-3450-3550	30	60	CP-QPSK	L	Outer_Full	57.767	60.360	PASS
N78-3450-3550	30	60	CP-16QAM	L	Outer_Full	57.835	60.480	PASS
N78-3450-3550	30	60	CP-64QAM	L	Outer_Full	57.749	60.360	PASS
N78-3450-3550	30	60	CP-256QAM	L	Outer_Full	57.734	60.120	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Outer_Full	57.874	60.360	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.948	60.360	PASS
N78-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.929	60.240	PASS
N78-3450-3550	30	60	DFT-64QAM	M	Outer_Full	57.947	60.480	PASS
N78-3450-3550	30	60	DFT-256QAM	M	Outer_Full	57.991	60.480	PASS
N78-3450-3550	30	60	CP-QPSK	M	Outer_Full	57.769	60.480	PASS
N78-3450-3550	30	60	CP-16QAM	M	Outer_Full	57.879	60.480	PASS
N78-3450-3550	30	60	CP-64QAM	M	Outer_Full	57.824	60.480	PASS
N78-3450-3550	30	60	CP-256QAM	M	Outer_Full	57.825	60.120	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Outer_Full	57.861	60.360	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	H	Outer_Full	57.916	60.480	PASS
N78-3450-3550	30	60	DFT-16QAM	H	Outer_Full	57.952	60.480	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.: SEWA2309000114RG06

Rev.: 01

Page: 19 of 262

N78-3450-3550	30	60	DFT-64QAM	H	Outer_Full	57.937	60.360	PASS
N78-3450-3550	30	60	DFT-256QAM	H	Outer_Full	57.981	60.480	PASS
N78-3450-3550	30	60	CP-QPSK	H	Outer_Full	57.785	60.600	PASS
N78-3450-3550	30	60	CP-16QAM	H	Outer_Full	57.903	60.360	PASS
N78-3450-3550	30	60	CP-64QAM	H	Outer_Full	57.772	60.600	PASS
N78-3450-3550	30	60	CP-256QAM	H	Outer_Full	57.801	60.360	PASS
N78-3450-3550	30	70	DFT-QPSK	L	Outer_Full	64.210	66.360	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	L	Outer_Full	64.164	66.220	PASS
N78-3450-3550	30	70	DFT-16QAM	L	Outer_Full	64.222	66.360	PASS
N78-3450-3550	30	70	DFT-64QAM	L	Outer_Full	64.100	66.360	PASS
N78-3450-3550	30	70	DFT-256QAM	L	Outer_Full	64.088	66.500	PASS
N78-3450-3550	30	70	CP-QPSK	L	Outer_Full	67.438	69.860	PASS
N78-3450-3550	30	70	CP-16QAM	L	Outer_Full	67.306	69.580	PASS
N78-3450-3550	30	70	CP-64QAM	L	Outer_Full	67.362	69.440	PASS
N78-3450-3550	30	70	CP-256QAM	L	Outer_Full	67.487	69.580	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.315	66.220	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.155	66.080	PASS
N78-3450-3550	30	70	DFT-16QAM	M	Outer_Full	64.299	66.220	PASS
N78-3450-3550	30	70	DFT-64QAM	M	Outer_Full	64.245	66.360	PASS
N78-3450-3550	30	70	DFT-256QAM	M	Outer_Full	64.416	66.500	PASS
N78-3450-3550	30	70	CP-QPSK	M	Outer_Full	67.436	69.440	PASS
N78-3450-3550	30	70	CP-16QAM	M	Outer_Full	67.392	69.720	PASS
N78-3450-3550	30	70	CP-64QAM	M	Outer_Full	67.316	69.440	PASS
N78-3450-3550	30	70	CP-256QAM	M	Outer_Full	67.497	69.720	PASS
N78-3450-3550	30	70	DFT-QPSK	H	Outer_Full	64.417	66.360	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	H	Outer_Full	64.301	66.780	PASS
N78-3450-3550	30	70	DFT-16QAM	H	Outer_Full	64.478	66.500	PASS
N78-3450-3550	30	70	DFT-64QAM	H	Outer_Full	64.319	66.500	PASS
N78-3450-3550	30	70	DFT-256QAM	H	Outer_Full	64.218	66.220	PASS
N78-3450-3550	30	70	CP-QPSK	H	Outer_Full	67.448	69.860	PASS
N78-3450-3550	30	70	CP-16QAM	H	Outer_Full	67.087	69.300	PASS
N78-3450-3550	30	70	CP-64QAM	H	Outer_Full	67.204	69.300	PASS
N78-3450-3550	30	70	CP-256QAM	H	Outer_Full	67.221	69.580	PASS
N78-3450-3550	30	80	DFT-QPSK	L	Outer_Full	77.167	80.960	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	L	Outer_Full	77.278	80.800	PASS
N78-3450-3550	30	80	DFT-16QAM	L	Outer_Full	77.299	80.800	PASS
N78-3450-3550	30	80	DFT-64QAM	L	Outer_Full	77.180	80.640	PASS
N78-3450-3550	30	80	DFT-256QAM	L	Outer_Full	77.263	80.800	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号厂房南面 邮编: 215000

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

Report No.: SEWA2309000114RG06

Rev.: 01

Page: 20 of 262

N78-3450-3550	30	80	CP-QPSK	L	Outer_Full	77.744	80.960	PASS
N78-3450-3550	30	80	CP-16QAM	L	Outer_Full	77.693	81.120	PASS
N78-3450-3550	30	80	CP-64QAM	L	Outer_Full	77.448	81.120	PASS
N78-3450-3550	30	80	CP-256QAM	L	Outer_Full	77.515	81.120	PASS
N78-3450-3550	30	80	DFT-QPSK	M	Outer_Full	77.245	80.640	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	M	Outer_Full	77.338	80.800	PASS
N78-3450-3550	30	80	DFT-16QAM	M	Outer_Full	77.349	80.800	PASS
N78-3450-3550	30	80	DFT-64QAM	M	Outer_Full	77.263	80.800	PASS
N78-3450-3550	30	80	DFT-256QAM	M	Outer_Full	77.286	80.800	PASS
N78-3450-3550	30	80	CP-QPSK	M	Outer_Full	77.747	81.120	PASS
N78-3450-3550	30	80	CP-16QAM	M	Outer_Full	77.681	81.120	PASS
N78-3450-3550	30	80	CP-64QAM	M	Outer_Full	77.486	81.120	PASS
N78-3450-3550	30	80	CP-256QAM	M	Outer_Full	77.544	81.280	PASS
N78-3450-3550	30	80	DFT-QPSK	H	Outer_Full	77.328	81.120	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	H	Outer_Full	77.341	80.960	PASS
N78-3450-3550	30	80	DFT-16QAM	H	Outer_Full	77.373	80.800	PASS
N78-3450-3550	30	80	DFT-64QAM	H	Outer_Full	77.219	80.800	PASS
N78-3450-3550	30	80	DFT-256QAM	H	Outer_Full	77.286	80.800	PASS
N78-3450-3550	30	80	CP-QPSK	H	Outer_Full	77.762	80.800	PASS
N78-3450-3550	30	80	CP-16QAM	H	Outer_Full	77.716	81.120	PASS
N78-3450-3550	30	80	CP-64QAM	H	Outer_Full	77.517	80.960	PASS
N78-3450-3550	30	80	CP-256QAM	H	Outer_Full	77.563	81.280	PASS
N78-3450-3550	30	90	DFT-QPSK	L	Outer_Full	85.540	88.920	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	L	Outer_Full	85.649	89.280	PASS
N78-3450-3550	30	90	DFT-16QAM	L	Outer_Full	85.625	88.920	PASS
N78-3450-3550	30	90	DFT-64QAM	L	Outer_Full	85.940	89.100	PASS
N78-3450-3550	30	90	DFT-256QAM	L	Outer_Full	85.594	88.740	PASS
N78-3450-3550	30	90	CP-QPSK	L	Outer_Full	87.383	90.720	PASS
N78-3450-3550	30	90	CP-16QAM	L	Outer_Full	87.558	90.540	PASS
N78-3450-3550	30	90	CP-64QAM	L	Outer_Full	87.420	90.720	PASS
N78-3450-3550	30	90	CP-256QAM	L	Outer_Full	87.580	90.900	PASS
N78-3450-3550	30	90	DFT-QPSK	M	Outer_Full	85.669	89.100	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	M	Outer_Full	85.566	88.920	PASS
N78-3450-3550	30	90	DFT-16QAM	M	Outer_Full	85.776	88.920	PASS
N78-3450-3550	30	90	DFT-64QAM	M	Outer_Full	85.705	88.920	PASS
N78-3450-3550	30	90	DFT-256QAM	M	Outer_Full	85.702	89.280	PASS
N78-3450-3550	30	90	CP-QPSK	M	Outer_Full	87.365	90.720	PASS
N78-3450-3550	30	90	CP-16QAM	M	Outer_Full	87.492	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.: SEWA2309000114RG06

Rev.: 01

Page: 21 of 262

N78-3450-3550	30	90	CP-64QAM	M	Outer_Full	87.333	90.720	PASS
N78-3450-3550	30	90	CP-256QAM	M	Outer_Full	87.413	90.900	PASS
N78-3450-3550	30	90	DFT-QPSK	H	Outer_Full	85.605	89.100	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	H	Outer_Full	85.711	88.920	PASS
N78-3450-3550	30	90	DFT-16QAM	H	Outer_Full	85.543	88.920	PASS
N78-3450-3550	30	90	DFT-64QAM	H	Outer_Full	85.629	88.920	PASS
N78-3450-3550	30	90	DFT-256QAM	H	Outer_Full	85.753	88.920	PASS
N78-3450-3550	30	90	CP-QPSK	H	Outer_Full	87.630	90.900	PASS
N78-3450-3550	30	90	CP-16QAM	H	Outer_Full	87.348	90.900	PASS
N78-3450-3550	30	90	CP-64QAM	H	Outer_Full	87.537	90.720	PASS
N78-3450-3550	30	90	CP-256QAM	H	Outer_Full	87.285	91.080	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Outer_Full	96.360	100.200	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	96.366	100.400	PASS
N78-3450-3550	30	100	DFT-16QAM	L	Outer_Full	96.283	100.600	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Outer_Full	96.279	100.400	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Outer_Full	96.471	100.400	PASS
N78-3450-3550	30	100	CP-QPSK	L	Outer_Full	97.443	101.200	PASS
N78-3450-3550	30	100	CP-16QAM	L	Outer_Full	97.580	101.400	PASS
N78-3450-3550	30	100	CP-64QAM	L	Outer_Full	97.481	101.400	PASS
N78-3450-3550	30	100	CP-256QAM	L	Outer_Full	97.426	101.200	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	96.375	100.200	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.385	100.400	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Outer_Full	96.325	100.400	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Outer_Full	96.338	100.600	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	96.495	100.400	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	97.447	101.200	PASS
N78-3450-3550	30	100	CP-16QAM	M	Outer_Full	97.511	101.400	PASS
N78-3450-3550	30	100	CP-64QAM	M	Outer_Full	97.550	101.400	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	97.404	101.200	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Outer_Full	96.347	100.200	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	96.396	100.200	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Outer_Full	96.289	100.600	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Outer_Full	96.336	100.600	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Outer_Full	96.467	100.400	PASS
N78-3450-3550	30	100	CP-QPSK	H	Outer_Full	97.427	101.200	PASS
N78-3450-3550	30	100	CP-16QAM	H	Outer_Full	97.618	101.400	PASS
N78-3450-3550	30	100	CP-64QAM	H	Outer_Full	97.550	101.400	PASS
N78-3450-3550	30	100	CP-256QAM	H	Outer_Full	97.425	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.: SEWA2309000114RG06

Rev.: 01

Page: 22 of 262



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.: SEWA2309000114RG06

Rev.: 01

Page: 23 of 262

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450-3550	30	10	DFT-QPSK	L	Outer_Full	8.568	9.600	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	L	Outer_Full	8.549	9.540	PASS
N78-3450-3550	30	10	DFT-16QAM	L	Outer_Full	8.574	9.540	PASS
N78-3450-3550	30	10	DFT-64QAM	L	Outer_Full	8.563	9.780	PASS
N78-3450-3550	30	10	DFT-256QAM	L	Outer_Full	8.557	9.600	PASS
N78-3450-3550	30	10	CP-QPSK	L	Outer_Full	8.579	9.580	PASS
N78-3450-3550	30	10	CP-16QAM	L	Outer_Full	8.579	9.640	PASS
N78-3450-3550	30	10	CP-64QAM	L	Outer_Full	8.596	9.320	PASS
N78-3450-3550	30	10	CP-256QAM	L	Outer_Full	8.593	9.540	PASS
N78-3450-3550	30	10	DFT-QPSK	M	Outer_Full	8.590	9.520	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	M	Outer_Full	8.605	9.540	PASS
N78-3450-3550	30	10	DFT-16QAM	M	Outer_Full	8.591	9.520	PASS
N78-3450-3550	30	10	DFT-64QAM	M	Outer_Full	8.570	9.480	PASS
N78-3450-3550	30	10	DFT-256QAM	M	Outer_Full	8.565	9.520	PASS
N78-3450-3550	30	10	CP-QPSK	M	Outer_Full	8.569	9.800	PASS
N78-3450-3550	30	10	CP-16QAM	M	Outer_Full	8.565	9.400	PASS
N78-3450-3550	30	10	CP-64QAM	M	Outer_Full	8.567	9.500	PASS
N78-3450-3550	30	10	CP-256QAM	M	Outer_Full	8.574	9.240	PASS
N78-3450-3550	30	10	DFT-QPSK	H	Outer_Full	8.605	9.260	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	H	Outer_Full	8.570	9.260	PASS
N78-3450-3550	30	10	DFT-16QAM	H	Outer_Full	8.591	9.380	PASS
N78-3450-3550	30	10	DFT-64QAM	H	Outer_Full	8.604	9.420	PASS
N78-3450-3550	30	10	DFT-256QAM	H	Outer_Full	8.555	9.560	PASS
N78-3450-3550	30	10	CP-QPSK	H	Outer_Full	8.585	9.380	PASS
N78-3450-3550	30	10	CP-16QAM	H	Outer_Full	8.538	9.420	PASS
N78-3450-3550	30	10	CP-64QAM	H	Outer_Full	8.593	9.660	PASS
N78-3450-3550	30	10	CP-256QAM	H	Outer_Full	8.577	9.740	PASS
N78-3450-3550	30	15	DFT-QPSK	L	Outer_Full	12.860	14.130	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	L	Outer_Full	12.855	14.010	PASS
N78-3450-3550	30	15	DFT-16QAM	L	Outer_Full	12.864	13.950	PASS
N78-3450-3550	30	15	DFT-64QAM	L	Outer_Full	12.823	14.100	PASS
N78-3450-3550	30	15	DFT-256QAM	L	Outer_Full	12.815	13.830	PASS
N78-3450-3550	30	15	CP-QPSK	L	Outer_Full	13.551	14.820	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.: SEWA2309000114RG06

Rev.: 01

Page: 24 of 262

N78-3450-3550	30	15	CP-16QAM	L	Outer_Full	13.521	14.640	PASS
N78-3450-3550	30	15	CP-64QAM	L	Outer_Full	13.571	14.160	PASS
N78-3450-3550	30	15	CP-256QAM	L	Outer_Full	13.581	14.520	PASS
N78-3450-3550	30	15	DFT-QPSK	M	Outer_Full	12.861	14.010	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	M	Outer_Full	12.835	13.830	PASS
N78-3450-3550	30	15	DFT-16QAM	M	Outer_Full	12.904	13.500	PASS
N78-3450-3550	30	15	DFT-64QAM	M	Outer_Full	12.800	13.650	PASS
N78-3450-3550	30	15	DFT-256QAM	M	Outer_Full	12.788	13.710	PASS
N78-3450-3550	30	15	CP-QPSK	M	Outer_Full	13.539	14.400	PASS
N78-3450-3550	30	15	CP-16QAM	M	Outer_Full	13.585	14.790	PASS
N78-3450-3550	30	15	CP-64QAM	M	Outer_Full	13.630	14.910	PASS
N78-3450-3550	30	15	CP-256QAM	M	Outer_Full	13.565	14.640	PASS
N78-3450-3550	30	15	DFT-QPSK	H	Outer_Full	12.880	13.470	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	H	Outer_Full	12.934	13.830	PASS
N78-3450-3550	30	15	DFT-16QAM	H	Outer_Full	12.883	13.650	PASS
N78-3450-3550	30	15	DFT-64QAM	H	Outer_Full	12.910	14.070	PASS
N78-3450-3550	30	15	DFT-256QAM	H	Outer_Full	12.871	14.130	PASS
N78-3450-3550	30	15	CP-QPSK	H	Outer_Full	13.566	14.640	PASS
N78-3450-3550	30	15	CP-16QAM	H	Outer_Full	13.619	14.820	PASS
N78-3450-3550	30	15	CP-64QAM	H	Outer_Full	13.575	15.090	PASS
N78-3450-3550	30	15	CP-256QAM	H	Outer_Full	13.556	15.060	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	17.796	18.960	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	L	Outer_Full	17.841	18.840	PASS
N78-3450-3550	30	20	DFT-16QAM	L	Outer_Full	17.871	19.240	PASS
N78-3450-3550	30	20	DFT-64QAM	L	Outer_Full	17.843	18.920	PASS
N78-3450-3550	30	20	DFT-256QAM	L	Outer_Full	17.723	19.000	PASS
N78-3450-3550	30	20	CP-QPSK	L	Outer_Full	18.197	19.520	PASS
N78-3450-3550	30	20	CP-16QAM	L	Outer_Full	18.159	19.240	PASS
N78-3450-3550	30	20	CP-64QAM	L	Outer_Full	18.168	19.280	PASS
N78-3450-3550	30	20	CP-256QAM	L	Outer_Full	18.238	19.480	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	17.817	18.800	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.794	18.840	PASS
N78-3450-3550	30	20	DFT-16QAM	M	Outer_Full	17.809	19.040	PASS
N78-3450-3550	30	20	DFT-64QAM	M	Outer_Full	17.867	19.480	PASS
N78-3450-3550	30	20	DFT-256QAM	M	Outer_Full	17.863	19.240	PASS
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	18.201	19.160	PASS
N78-3450-3550	30	20	CP-16QAM	M	Outer_Full	18.307	19.800	PASS
N78-3450-3550	30	20	CP-64QAM	M	Outer_Full	18.229	19.440	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.: SEWA2309000114RG06

Rev.: 01

Page: 25 of 262

N78-3450-3550	30	20	CP-256QAM	M	Outer_Full	18.233	18.960	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	17.790	19.160	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	H	Outer_Full	17.806	18.720	PASS
N78-3450-3550	30	20	DFT-16QAM	H	Outer_Full	17.839	19.320	PASS
N78-3450-3550	30	20	DFT-64QAM	H	Outer_Full	17.764	18.920	PASS
N78-3450-3550	30	20	DFT-256QAM	H	Outer_Full	17.798	19.120	PASS
N78-3450-3550	30	20	CP-QPSK	H	Outer_Full	18.172	19.600	PASS
N78-3450-3550	30	20	CP-16QAM	H	Outer_Full	18.233	19.600	PASS
N78-3450-3550	30	20	CP-64QAM	H	Outer_Full	18.145	19.040	PASS
N78-3450-3550	30	20	CP-256QAM	H	Outer_Full	18.188	19.200	PASS
N78-3450-3550	30	30	DFT-QPSK	L	Outer_Full	26.731	28.200	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	L	Outer_Full	26.753	28.080	PASS
N78-3450-3550	30	30	DFT-16QAM	L	Outer_Full	26.805	28.200	PASS
N78-3450-3550	30	30	DFT-64QAM	L	Outer_Full	26.735	28.380	PASS
N78-3450-3550	30	30	DFT-256QAM	L	Outer_Full	26.788	28.140	PASS
N78-3450-3550	30	30	CP-QPSK	L	Outer_Full	27.788	29.160	PASS
N78-3450-3550	30	30	CP-16QAM	L	Outer_Full	27.812	29.220	PASS
N78-3450-3550	30	30	CP-64QAM	L	Outer_Full	27.724	29.400	PASS
N78-3450-3550	30	30	CP-256QAM	L	Outer_Full	27.852	28.920	PASS
N78-3450-3550	30	30	DFT-QPSK	M	Outer_Full	26.745	27.960	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.740	28.080	PASS
N78-3450-3550	30	30	DFT-16QAM	M	Outer_Full	26.750	28.260	PASS
N78-3450-3550	30	30	DFT-64QAM	M	Outer_Full	26.785	28.080	PASS
N78-3450-3550	30	30	DFT-256QAM	M	Outer_Full	26.739	28.080	PASS
N78-3450-3550	30	30	CP-QPSK	M	Outer_Full	27.857	29.160	PASS
N78-3450-3550	30	30	CP-16QAM	M	Outer_Full	27.781	29.160	PASS
N78-3450-3550	30	30	CP-64QAM	M	Outer_Full	27.862	29.280	PASS
N78-3450-3550	30	30	CP-256QAM	M	Outer_Full	27.677	29.220	PASS
N78-3450-3550	30	30	DFT-QPSK	H	Outer_Full	26.736	27.960	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	H	Outer_Full	26.739	28.260	PASS
N78-3450-3550	30	30	DFT-16QAM	H	Outer_Full	26.858	28.200	PASS
N78-3450-3550	30	30	DFT-64QAM	H	Outer_Full	26.879	28.440	PASS
N78-3450-3550	30	30	DFT-256QAM	H	Outer_Full	26.756	28.260	PASS
N78-3450-3550	30	30	CP-QPSK	H	Outer_Full	27.838	29.580	PASS
N78-3450-3550	30	30	CP-16QAM	H	Outer_Full	27.897	29.760	PASS
N78-3450-3550	30	30	CP-64QAM	H	Outer_Full	27.806	29.520	PASS
N78-3450-3550	30	30	CP-256QAM	H	Outer_Full	27.784	29.100	PASS
N78-3450-3550	30	40	DFT-QPSK	L	Outer_Full	35.754	37.360	PASS



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
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.: SEWA2309000114RG06

Rev.: 01

Page: 26 of 262

N78-3450-3550	30	40	DFT-PI2BPSK	L	Outer_Full	35.686	37.360	PASS
N78-3450-3550	30	40	DFT-16QAM	L	Outer_Full	35.750	37.520	PASS
N78-3450-3550	30	40	DFT-64QAM	L	Outer_Full	35.819	37.840	PASS
N78-3450-3550	30	40	DFT-256QAM	L	Outer_Full	35.790	37.840	PASS
N78-3450-3550	30	40	CP-QPSK	L	Outer_Full	37.713	39.760	PASS
N78-3450-3550	30	40	CP-16QAM	L	Outer_Full	37.685	39.360	PASS
N78-3450-3550	30	40	CP-64QAM	L	Outer_Full	37.640	39.680	PASS
N78-3450-3550	30	40	CP-256QAM	L	Outer_Full	37.685	39.840	PASS
N78-3450-3550	30	40	DFT-QPSK	M	Outer_Full	35.736	37.600	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.709	37.840	PASS
N78-3450-3550	30	40	DFT-16QAM	M	Outer_Full	35.816	37.600	PASS
N78-3450-3550	30	40	DFT-64QAM	M	Outer_Full	35.775	37.760	PASS
N78-3450-3550	30	40	DFT-256QAM	M	Outer_Full	35.774	37.920	PASS
N78-3450-3550	30	40	CP-QPSK	M	Outer_Full	37.864	39.920	PASS
N78-3450-3550	30	40	CP-16QAM	M	Outer_Full	37.809	40.080	PASS
N78-3450-3550	30	40	CP-64QAM	M	Outer_Full	37.916	40.000	PASS
N78-3450-3550	30	40	CP-256QAM	M	Outer_Full	37.823	39.840	PASS
N78-3450-3550	30	40	DFT-QPSK	H	Outer_Full	35.782	37.680	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	H	Outer_Full	35.783	38.080	PASS
N78-3450-3550	30	40	DFT-16QAM	H	Outer_Full	35.741	37.680	PASS
N78-3450-3550	30	40	DFT-64QAM	H	Outer_Full	35.741	37.840	PASS
N78-3450-3550	30	40	DFT-256QAM	H	Outer_Full	35.689	37.680	PASS
N78-3450-3550	30	40	CP-QPSK	H	Outer_Full	37.695	39.360	PASS
N78-3450-3550	30	40	CP-16QAM	H	Outer_Full	37.708	39.520	PASS
N78-3450-3550	30	40	CP-64QAM	H	Outer_Full	37.743	39.440	PASS
N78-3450-3550	30	40	CP-256QAM	H	Outer_Full	37.794	39.600	PASS
N78-3450-3550	30	50	DFT-QPSK	L	Outer_Full	45.625	47.700	PASS
N78-3450-3550	30	50	DFT-PI2BPSK	L	Outer_Full	45.644	47.400	PASS
N78-3450-3550	30	50	DFT-16QAM	L	Outer_Full	45.534	47.500	PASS
N78-3450-3550	30	50	DFT-64QAM	L	Outer_Full	45.764	47.300	PASS
N78-3450-3550	30	50	DFT-256QAM	L	Outer_Full	45.617	47.500	PASS
N78-3450-3550	30	50	CP-QPSK	L	Outer_Full	47.405	49.200	PASS
N78-3450-3550	30	50	CP-16QAM	L	Outer_Full	47.462	49.600	PASS
N78-3450-3550	30	50	CP-64QAM	L	Outer_Full	47.314	50.100	PASS
N78-3450-3550	30	50	CP-256QAM	L	Outer_Full	47.467	49.600	PASS
N78-3450-3550	30	50	DFT-QPSK	M	Outer_Full	45.604	47.400	PASS
N78-3450-3550	30	50	DFT-PI2BPSK	M	Outer_Full	45.647	48.000	PASS
N78-3450-3550	30	50	DFT-16QAM	M	Outer_Full	45.579	47.500	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.: SEWA2309000114RG06

Rev.: 01

Page: 27 of 262

N78-3450-3550	30	50	DFT-64QAM	M	Outer_Full	45.685	47.600	PASS
N78-3450-3550	30	50	DFT-256QAM	M	Outer_Full	45.762	47.600	PASS
N78-3450-3550	30	50	CP-QPSK	M	Outer_Full	47.420	49.400	PASS
N78-3450-3550	30	50	CP-16QAM	M	Outer_Full	47.472	49.500	PASS
N78-3450-3550	30	50	CP-64QAM	M	Outer_Full	47.442	49.500	PASS
N78-3450-3550	30	50	CP-256QAM	M	Outer_Full	47.369	49.700	PASS
N78-3450-3550	30	50	DFT-QPSK	H	Outer_Full	45.677	47.500	PASS
N78-3450-3550	30	50	DFT-PI2BPSK	H	Outer_Full	45.761	47.500	PASS
N78-3450-3550	30	50	DFT-16QAM	H	Outer_Full	45.548	47.800	PASS
N78-3450-3550	30	50	DFT-64QAM	H	Outer_Full	45.744	47.500	PASS
N78-3450-3550	30	50	DFT-256QAM	H	Outer_Full	45.543	47.500	PASS
N78-3450-3550	30	50	CP-QPSK	H	Outer_Full	47.477	49.400	PASS
N78-3450-3550	30	50	CP-16QAM	H	Outer_Full	47.493	49.200	PASS
N78-3450-3550	30	50	CP-64QAM	H	Outer_Full	47.490	49.700	PASS
N78-3450-3550	30	50	CP-256QAM	H	Outer_Full	47.328	49.500	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Outer_Full	57.790	59.520	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	L	Outer_Full	57.953	59.760	PASS
N78-3450-3550	30	60	DFT-16QAM	L	Outer_Full	57.712	59.640	PASS
N78-3450-3550	30	60	DFT-64QAM	L	Outer_Full	57.900	59.880	PASS
N78-3450-3550	30	60	DFT-256QAM	L	Outer_Full	57.827	59.880	PASS
N78-3450-3550	30	60	CP-QPSK	L	Outer_Full	57.699	59.520	PASS
N78-3450-3550	30	60	CP-16QAM	L	Outer_Full	57.732	59.640	PASS
N78-3450-3550	30	60	CP-64QAM	L	Outer_Full	57.701	60.000	PASS
N78-3450-3550	30	60	CP-256QAM	L	Outer_Full	57.694	59.880	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Outer_Full	57.684	60.240	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.699	60.120	PASS
N78-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.798	60.120	PASS
N78-3450-3550	30	60	DFT-64QAM	M	Outer_Full	57.783	59.880	PASS
N78-3450-3550	30	60	DFT-256QAM	M	Outer_Full	57.903	60.000	PASS
N78-3450-3550	30	60	CP-QPSK	M	Outer_Full	57.758	59.880	PASS
N78-3450-3550	30	60	CP-16QAM	M	Outer_Full	57.736	59.760	PASS
N78-3450-3550	30	60	CP-64QAM	M	Outer_Full	57.785	59.640	PASS
N78-3450-3550	30	60	CP-256QAM	M	Outer_Full	57.684	59.880	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Outer_Full	57.949	60.240	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	H	Outer_Full	57.958	60.000	PASS
N78-3450-3550	30	60	DFT-16QAM	H	Outer_Full	57.872	60.000	PASS
N78-3450-3550	30	60	DFT-64QAM	H	Outer_Full	57.870	60.120	PASS
N78-3450-3550	30	60	DFT-256QAM	H	Outer_Full	57.609	60.240	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.: SEWA2309000114RG06

Rev.: 01

Page: 28 of 262

N78-3450-3550	30	60	CP-QPSK	H	Outer_Full	57.766	59.640	PASS
N78-3450-3550	30	60	CP-16QAM	H	Outer_Full	57.850	59.760	PASS
N78-3450-3550	30	60	CP-64QAM	H	Outer_Full	57.746	59.760	PASS
N78-3450-3550	30	60	CP-256QAM	H	Outer_Full	57.658	59.640	PASS
N78-3450-3550	30	70	DFT-QPSK	L	Outer_Full	64.177	66.360	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	L	Outer_Full	64.175	66.500	PASS
N78-3450-3550	30	70	DFT-16QAM	L	Outer_Full	63.895	66.500	PASS
N78-3450-3550	30	70	DFT-64QAM	L	Outer_Full	64.195	66.360	PASS
N78-3450-3550	30	70	DFT-256QAM	L	Outer_Full	64.344	66.500	PASS
N78-3450-3550	30	70	CP-QPSK	L	Outer_Full	67.264	69.720	PASS
N78-3450-3550	30	70	CP-16QAM	L	Outer_Full	67.288	69.580	PASS
N78-3450-3550	30	70	CP-64QAM	L	Outer_Full	67.514	69.720	PASS
N78-3450-3550	30	70	CP-256QAM	L	Outer_Full	67.422	69.580	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.270	66.220	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.039	66.080	PASS
N78-3450-3550	30	70	DFT-16QAM	M	Outer_Full	64.216	66.500	PASS
N78-3450-3550	30	70	DFT-64QAM	M	Outer_Full	64.222	66.780	PASS
N78-3450-3550	30	70	DFT-256QAM	M	Outer_Full	64.060	66.640	PASS
N78-3450-3550	30	70	CP-QPSK	M	Outer_Full	67.435	69.440	PASS
N78-3450-3550	30	70	CP-16QAM	M	Outer_Full	67.336	69.720	PASS
N78-3450-3550	30	70	CP-64QAM	M	Outer_Full	67.620	69.860	PASS
N78-3450-3550	30	70	CP-256QAM	M	Outer_Full	67.415	70.140	PASS
N78-3450-3550	30	70	DFT-QPSK	H	Outer_Full	64.289	66.360	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	H	Outer_Full	64.344	66.220	PASS
N78-3450-3550	30	70	DFT-16QAM	H	Outer_Full	64.246	66.220	PASS
N78-3450-3550	30	70	DFT-64QAM	H	Outer_Full	64.229	66.500	PASS
N78-3450-3550	30	70	DFT-256QAM	H	Outer_Full	64.274	66.220	PASS
N78-3450-3550	30	70	CP-QPSK	H	Outer_Full	67.483	69.440	PASS
N78-3450-3550	30	70	CP-16QAM	H	Outer_Full	67.424	69.580	PASS
N78-3450-3550	30	70	CP-64QAM	H	Outer_Full	67.259	69.860	PASS
N78-3450-3550	30	70	CP-256QAM	H	Outer_Full	67.187	69.580	PASS
N78-3450-3550	30	80	DFT-QPSK	L	Outer_Full	76.897	80.320	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	L	Outer_Full	77.115	80.480	PASS
N78-3450-3550	30	80	DFT-16QAM	L	Outer_Full	77.013	80.160	PASS
N78-3450-3550	30	80	DFT-64QAM	L	Outer_Full	77.241	80.480	PASS
N78-3450-3550	30	80	DFT-256QAM	L	Outer_Full	77.110	80.160	PASS
N78-3450-3550	30	80	CP-QPSK	L	Outer_Full	77.090	80.800	PASS
N78-3450-3550	30	80	CP-16QAM	L	Outer_Full	77.301	80.960	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.: SEWA2309000114RG06

Rev.: 01

Page: 29 of 262

N78-3450-3550	30	80	CP-64QAM	L	Outer_Full	77.458	80.640	PASS
N78-3450-3550	30	80	CP-256QAM	L	Outer_Full	77.451	80.640	PASS
N78-3450-3550	30	80	DFT-QPSK	M	Outer_Full	77.176	80.320	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	M	Outer_Full	77.227	80.160	PASS
N78-3450-3550	30	80	DFT-16QAM	M	Outer_Full	77.212	80.320	PASS
N78-3450-3550	30	80	DFT-64QAM	M	Outer_Full	77.064	80.480	PASS
N78-3450-3550	30	80	DFT-256QAM	M	Outer_Full	77.291	80.640	PASS
N78-3450-3550	30	80	CP-QPSK	M	Outer_Full	77.455	80.480	PASS
N78-3450-3550	30	80	CP-16QAM	M	Outer_Full	77.378	80.640	PASS
N78-3450-3550	30	80	CP-64QAM	M	Outer_Full	77.605	80.800	PASS
N78-3450-3550	30	80	CP-256QAM	M	Outer_Full	77.406	80.640	PASS
N78-3450-3550	30	80	DFT-QPSK	H	Outer_Full	77.051	80.160	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	H	Outer_Full	77.214	80.320	PASS
N78-3450-3550	30	80	DFT-16QAM	H	Outer_Full	77.082	80.480	PASS
N78-3450-3550	30	80	DFT-64QAM	H	Outer_Full	76.983	80.320	PASS
N78-3450-3550	30	80	DFT-256QAM	H	Outer_Full	77.106	80.320	PASS
N78-3450-3550	30	80	CP-QPSK	H	Outer_Full	77.470	80.640	PASS
N78-3450-3550	30	80	CP-16QAM	H	Outer_Full	77.416	80.640	PASS
N78-3450-3550	30	80	CP-64QAM	H	Outer_Full	77.248	81.120	PASS
N78-3450-3550	30	80	CP-256QAM	H	Outer_Full	77.379	80.480	PASS
N78-3450-3550	30	90	DFT-QPSK	L	Outer_Full	85.371	88.920	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	L	Outer_Full	85.611	88.920	PASS
N78-3450-3550	30	90	DFT-16QAM	L	Outer_Full	85.701	88.920	PASS
N78-3450-3550	30	90	DFT-64QAM	L	Outer_Full	85.747	89.100	PASS
N78-3450-3550	30	90	DFT-256QAM	L	Outer_Full	85.404	88.920	PASS
N78-3450-3550	30	90	CP-QPSK	L	Outer_Full	87.216	90.900	PASS
N78-3450-3550	30	90	CP-16QAM	L	Outer_Full	87.282	90.720	PASS
N78-3450-3550	30	90	CP-64QAM	L	Outer_Full	87.217	90.540	PASS
N78-3450-3550	30	90	CP-256QAM	L	Outer_Full	87.366	90.540	PASS
N78-3450-3550	30	90	DFT-QPSK	M	Outer_Full	85.614	89.100	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	M	Outer_Full	85.625	88.920	PASS
N78-3450-3550	30	90	DFT-16QAM	M	Outer_Full	85.552	89.100	PASS
N78-3450-3550	30	90	DFT-64QAM	M	Outer_Full	85.707	89.100	PASS
N78-3450-3550	30	90	DFT-256QAM	M	Outer_Full	85.869	88.920	PASS
N78-3450-3550	30	90	CP-QPSK	M	Outer_Full	87.290	90.900	PASS
N78-3450-3550	30	90	CP-16QAM	M	Outer_Full	87.342	90.900	PASS
N78-3450-3550	30	90	CP-64QAM	M	Outer_Full	87.285	90.900	PASS
N78-3450-3550	30	90	CP-256QAM	M	Outer_Full	87.383	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号厂房南楼 邮编: 215000

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

Report No.: SEWA2309000114RG06

Rev.: 01

Page: 30 of 262

N78-3450-3550	30	90	DFT-QPSK	H	Outer_Full	85.500	88.920	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	H	Outer_Full	85.750	88.740	PASS
N78-3450-3550	30	90	DFT-16QAM	H	Outer_Full	85.830	88.920	PASS
N78-3450-3550	30	90	DFT-64QAM	H	Outer_Full	85.590	89.100	PASS
N78-3450-3550	30	90	DFT-256QAM	H	Outer_Full	85.503	89.100	PASS
N78-3450-3550	30	90	CP-QPSK	H	Outer_Full	87.453	90.540	PASS
N78-3450-3550	30	90	CP-16QAM	H	Outer_Full	87.163	90.720	PASS
N78-3450-3550	30	90	CP-64QAM	H	Outer_Full	87.391	90.720	PASS
N78-3450-3550	30	90	CP-256QAM	H	Outer_Full	87.410	90.900	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Outer_Full	96.217	99.800	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	95.951	100.000	PASS
N78-3450-3550	30	100	DFT-16QAM	L	Outer_Full	96.321	99.800	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Outer_Full	96.272	100.000	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Outer_Full	96.283	99.600	PASS
N78-3450-3550	30	100	CP-QPSK	L	Outer_Full	97.533	100.800	PASS
N78-3450-3550	30	100	CP-16QAM	L	Outer_Full	97.311	100.800	PASS
N78-3450-3550	30	100	CP-64QAM	L	Outer_Full	97.323	100.800	PASS
N78-3450-3550	30	100	CP-256QAM	L	Outer_Full	97.236	100.800	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	96.312	99.800	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.038	99.600	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Outer_Full	96.378	99.800	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Outer_Full	96.252	99.600	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	96.021	99.800	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	97.269	101.000	PASS
N78-3450-3550	30	100	CP-16QAM	M	Outer_Full	97.506	100.800	PASS
N78-3450-3550	30	100	CP-64QAM	M	Outer_Full	97.153	100.800	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	97.603	100.800	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Outer_Full	96.111	100.000	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	96.133	99.800	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Outer_Full	96.421	100.000	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Outer_Full	96.435	100.000	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Outer_Full	96.341	99.800	PASS
N78-3450-3550	30	100	CP-QPSK	H	Outer_Full	97.291	100.800	PASS
N78-3450-3550	30	100	CP-16QAM	H	Outer_Full	97.282	101.000	PASS
N78-3450-3550	30	100	CP-64QAM	H	Outer_Full	97.375	100.600	PASS
N78-3450-3550	30	100	CP-256QAM	H	Outer_Full	97.250	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

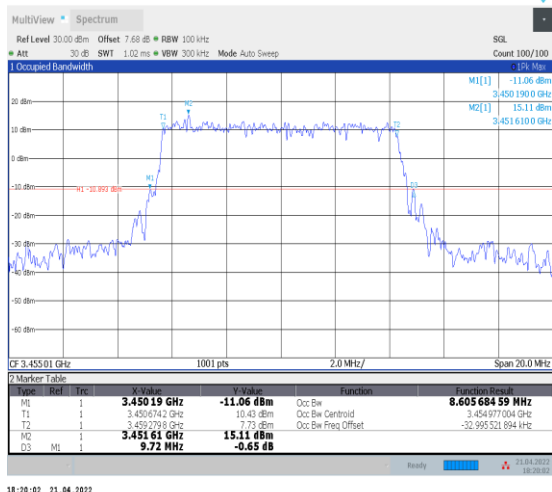
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG06

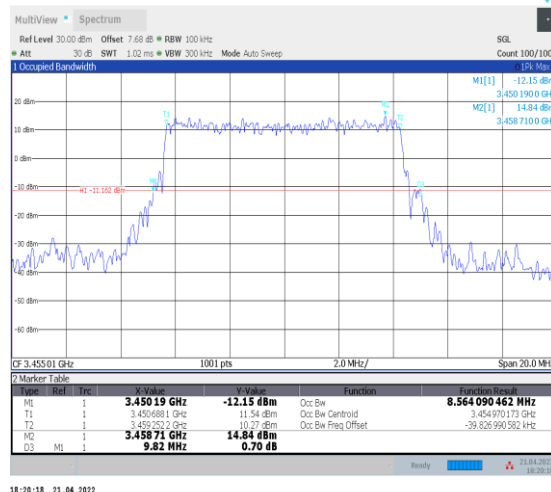
Rev.: 01

Page: 31 of 262

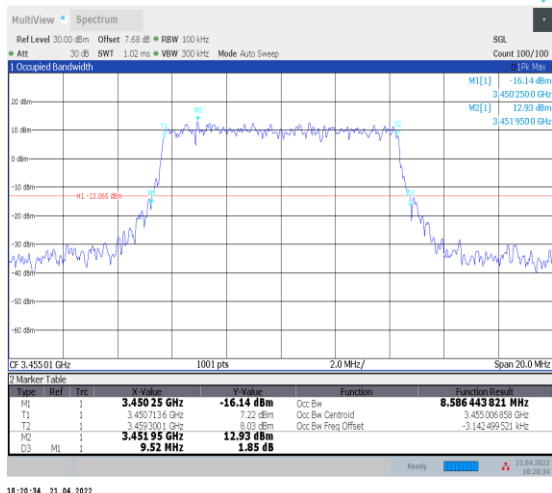
Test Graphs



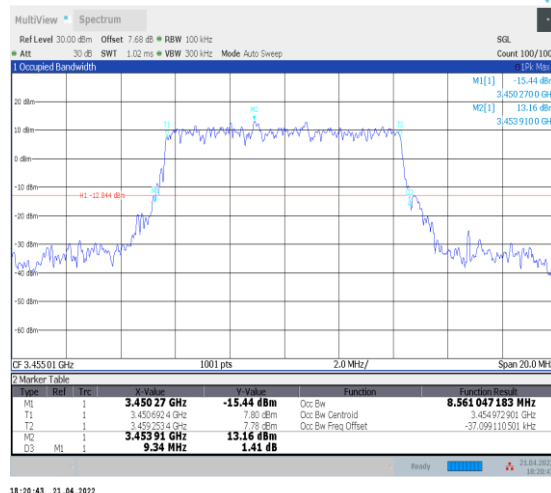
1-N78-3450-3550--30-10-L-1-DFT-QPSK-Outer_Full-24@0-Ant0-8.606-9.720≤10-PASS



1-N78-3450-3550--30-10-L-2-DFT-PI2BPSK-Outer_Full-24@0-Ant0-8.564-9.820≤10-PASS



1-N78-3450-3550--30-10-L-3-DFT-16QAM-Outer_Full-24@0-Ant0-8.586-9.520≤10-PASS



1-N78-3450-3550--30-10-L-4-DFT-64QAM-Outer_Full-24@0-Ant0-8.561-9.340≤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