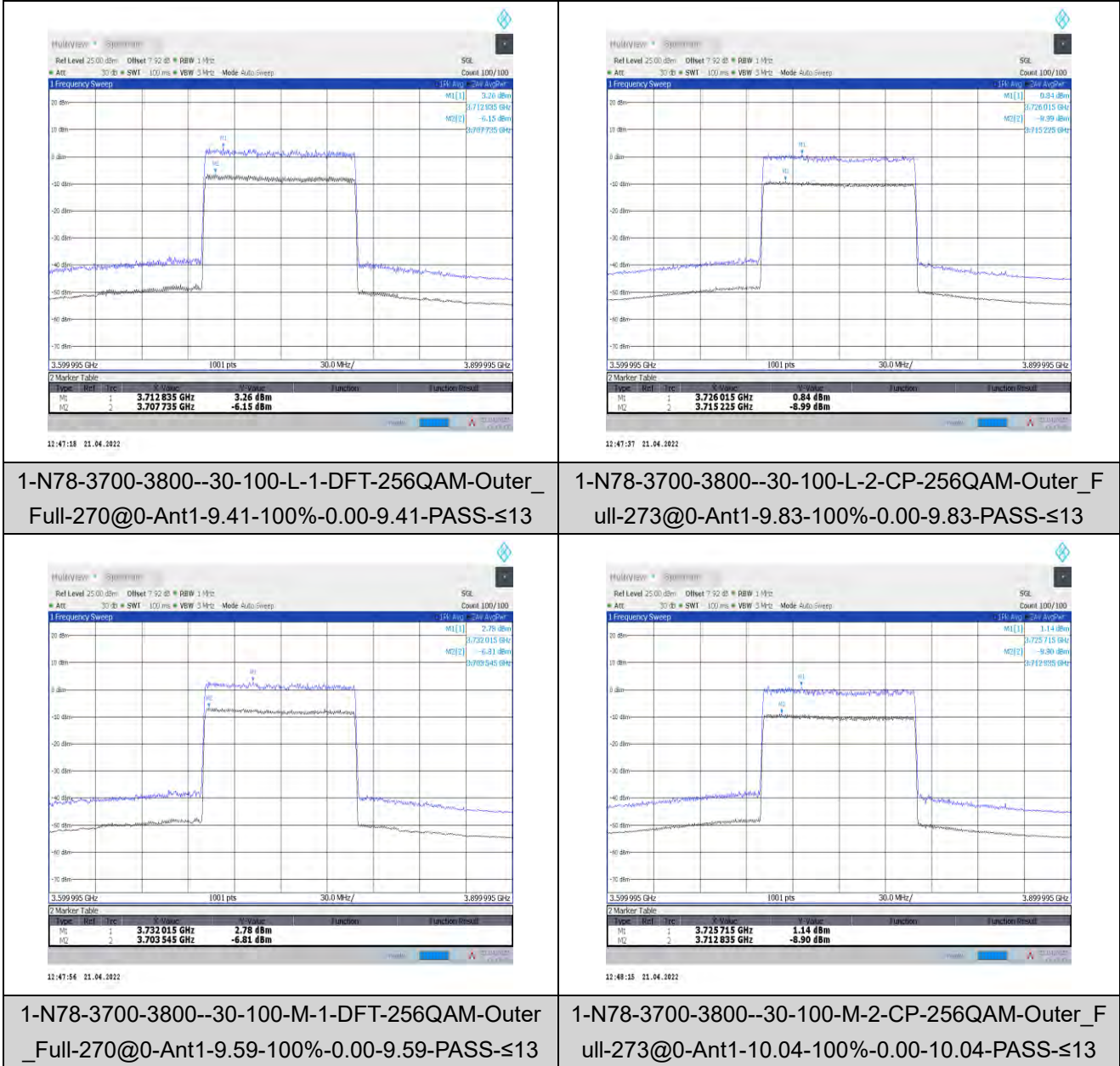
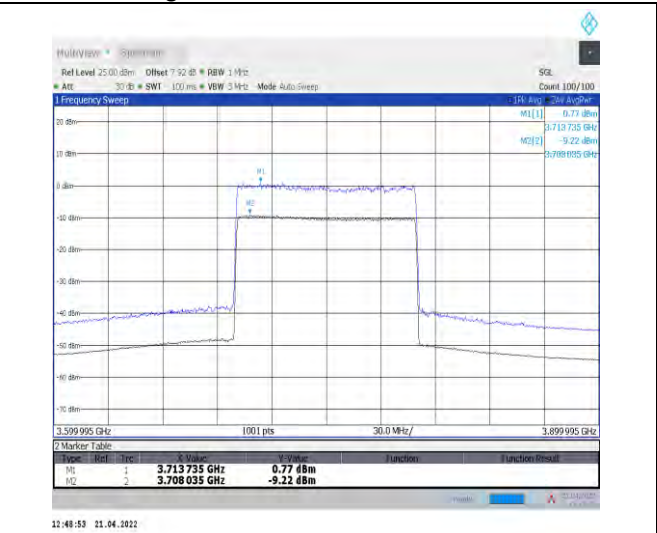
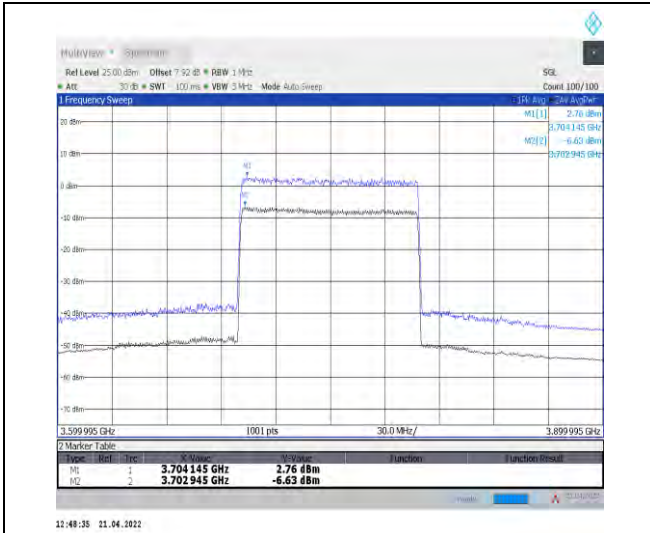


Test Graphs



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



1-N78-3700-3800--30-100-H-1-DFT-256QAM-Outer
_Full-270@0-Ant1-9.39-100%-0.00-9.39-PASS-≤13

1-N78-3700-3800--30-100-H-2-CP-256QAM-Outer_F
ull-273@0-Ant1-9.99-100%-0.00-9.99-PASS-≤13



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

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

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

Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-16QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-64QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	see graph	PASS



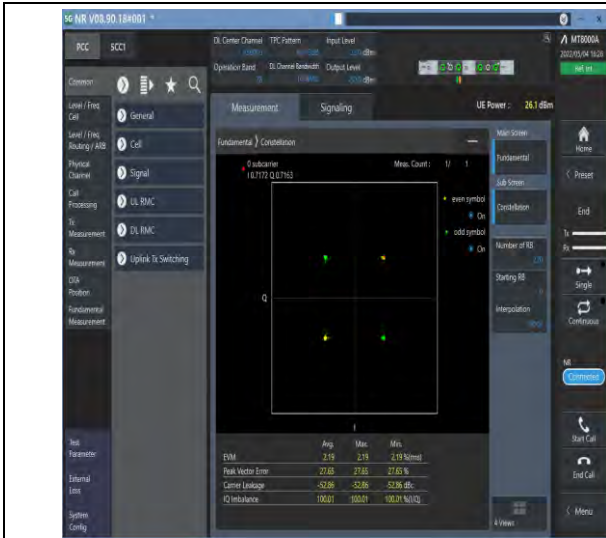
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

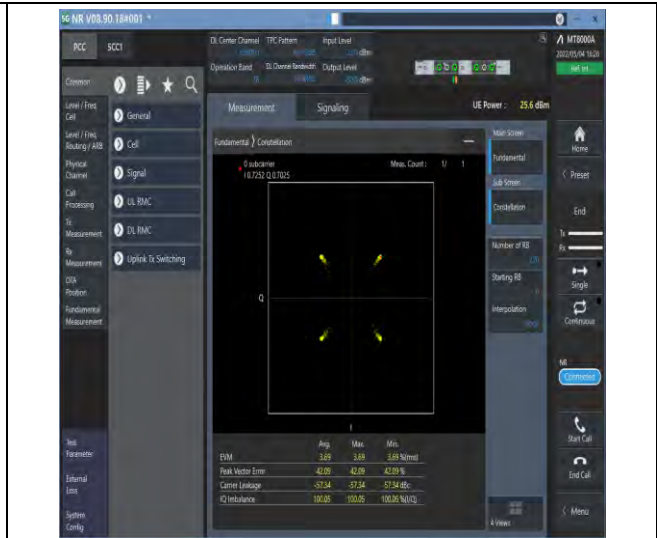
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

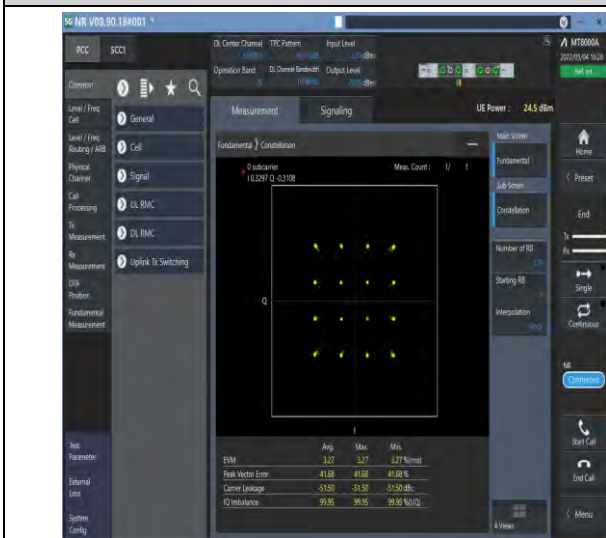
Test Graphs



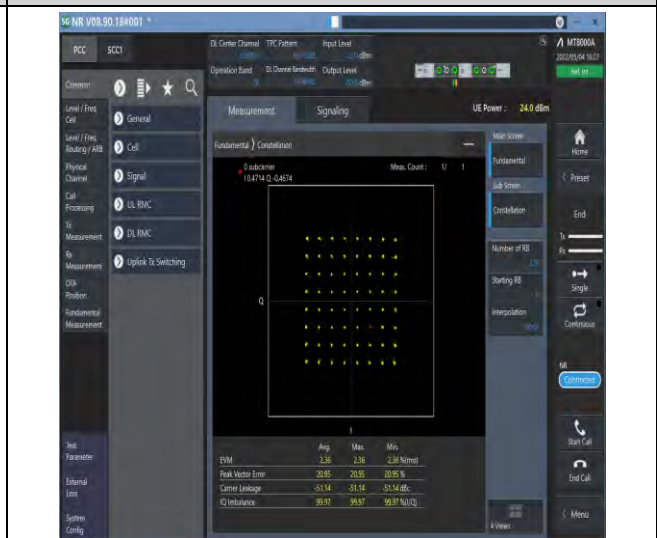
1-N78-3700-3800--30-100-M-1-DFT-PI2BPSK-Outer_F
 Full-270@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-2-DFT-QPSK-Outer_F
 Full-270@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-3-DFT-16QAM-Outer_F
 Full-270@0-Ant1-see graph-PASS



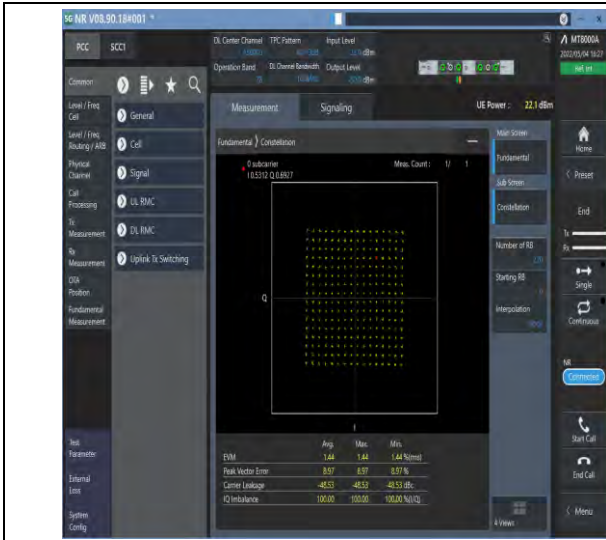
1-N78-3700-3800--30-100-M-4-DFT-64QAM-Outer_F
 Full-270@0-Ant1-see graph-PASS



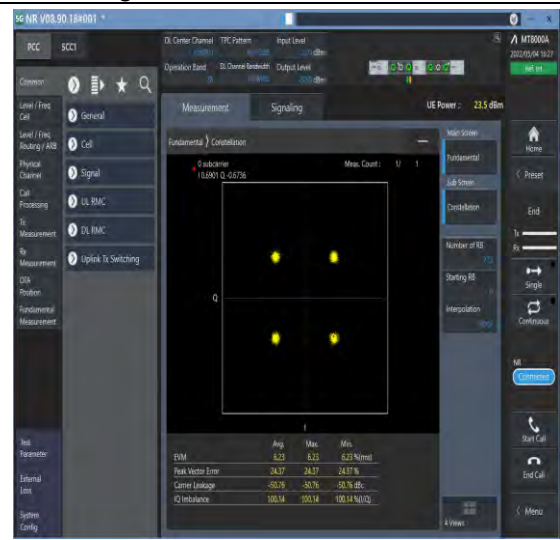
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

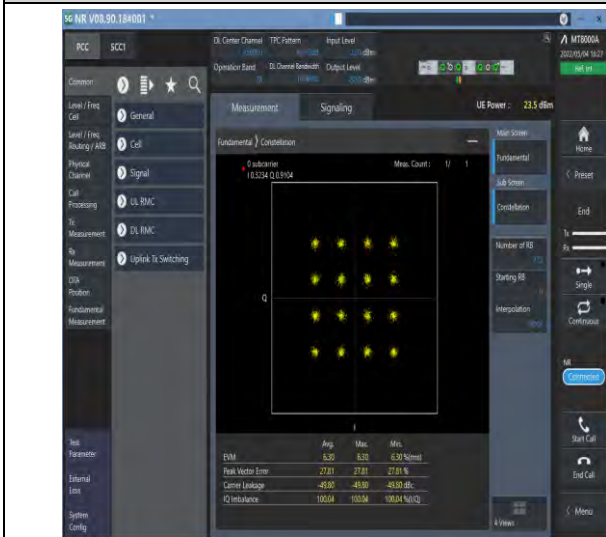
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



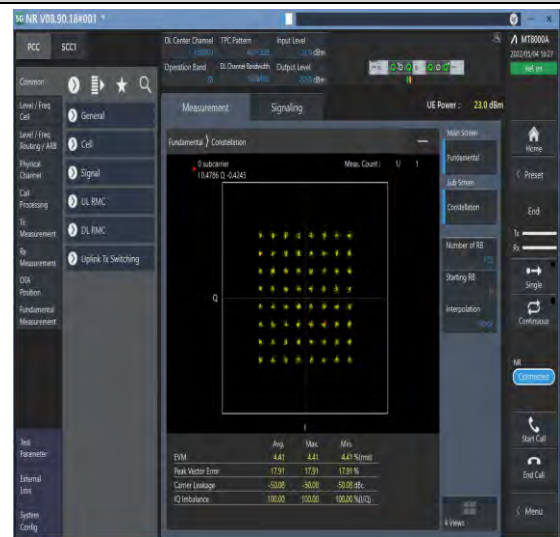
1-N78-3700-3800--30-100-M-5-DFT-256QAM-Outer_Fu
Full-270@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-6-CP-QPSK-Outer_Fu
ll-273@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-7-CP-16QAM-Outer_Fu
ll-273@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-8-CP-64QAM-Outer_F
ull-273@0-Ant1-see graph-PASS

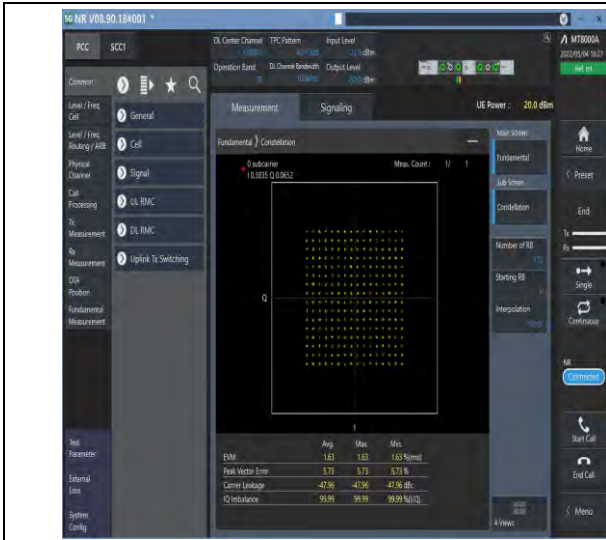


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

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



1-N78-3700-3800--30-100-M-9-CP-256QAM-Outer_F
ull-273@0-Ant1-see graph-PASS



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

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

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



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

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

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

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

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



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

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

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

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



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

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

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



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



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

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

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

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



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

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

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



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



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

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

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



Report No.: SEWA2204000008RG02

Rev.: 01

Page: 39 of 190

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



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

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

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

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

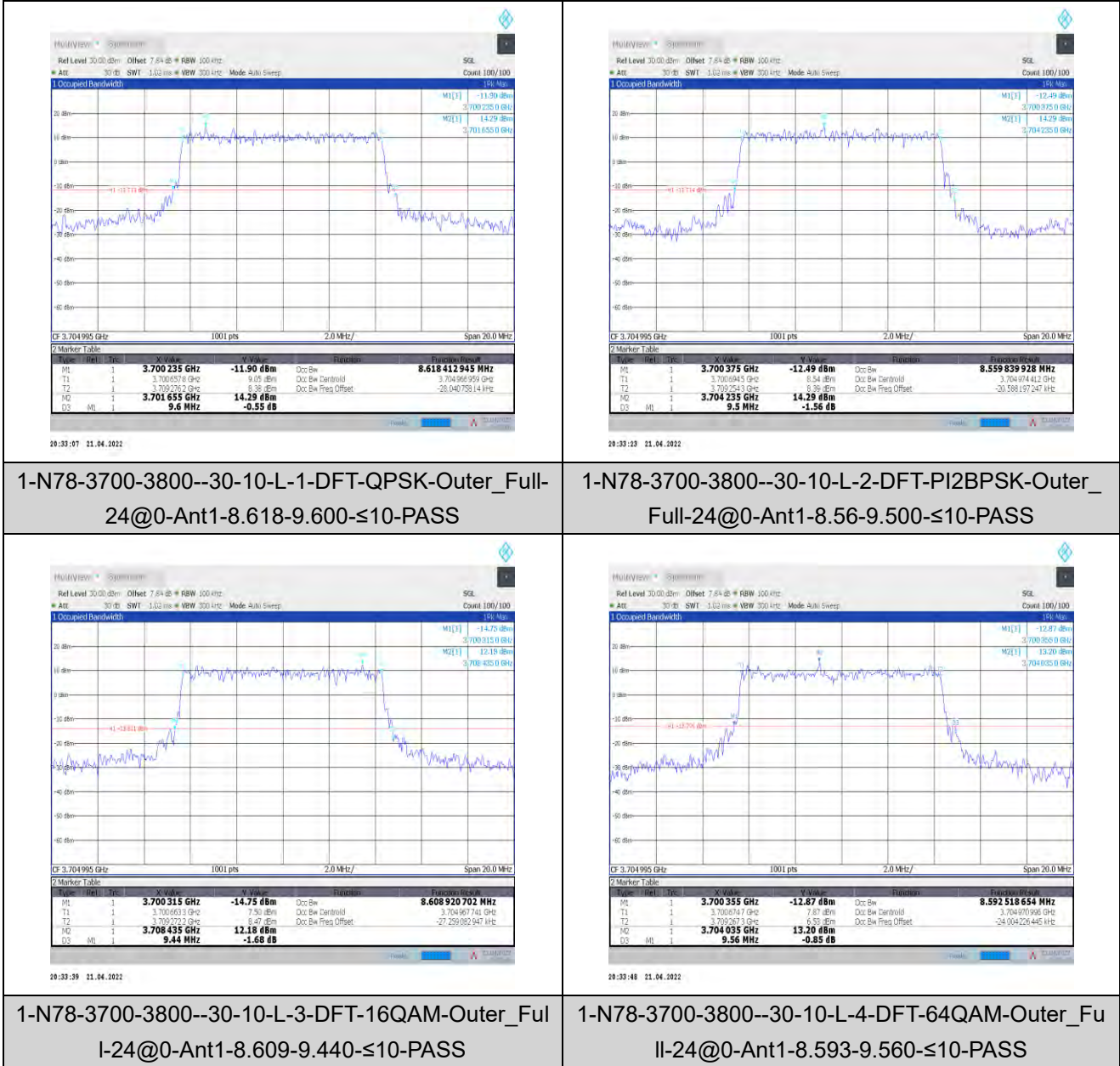


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

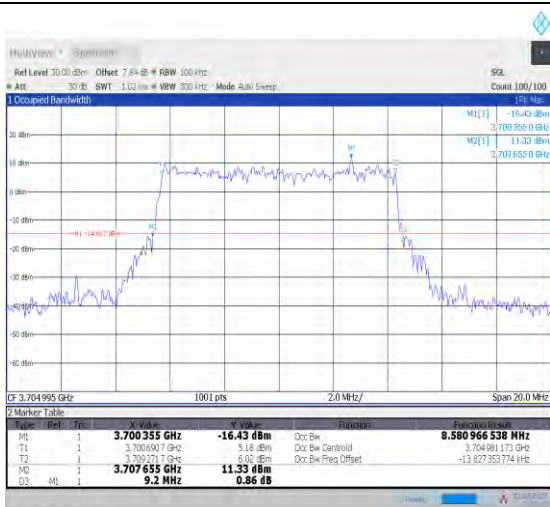
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

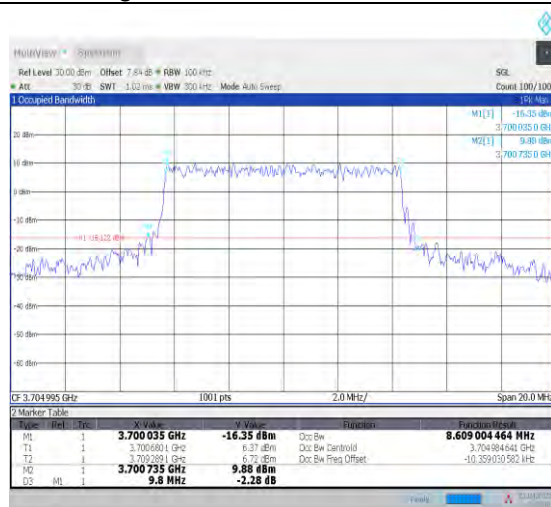
Test Graphs



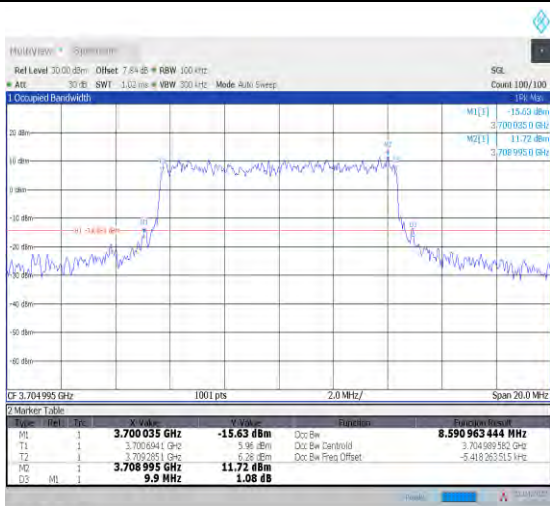
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



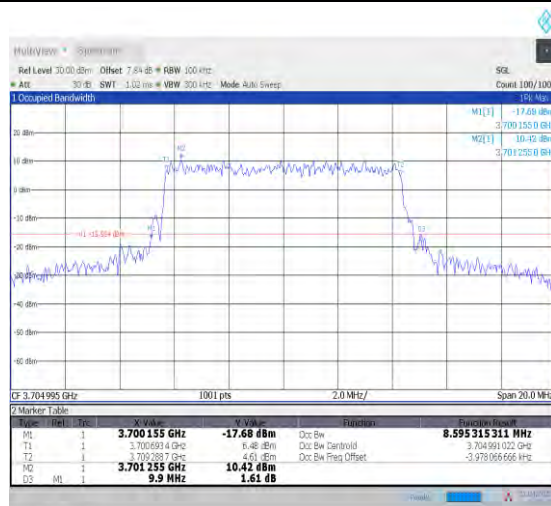
1-N78-3700-3800--30-10-L-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.581-9.200-≤10-PASS



1-N78-3700-3800--30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-8.609-9.800-≤10-PASS



1-N78-3700-3800--30-10-L-7-CP-16QAM-Outer_Full-24@0-Ant1-8.591-9.900-≤10-PASS

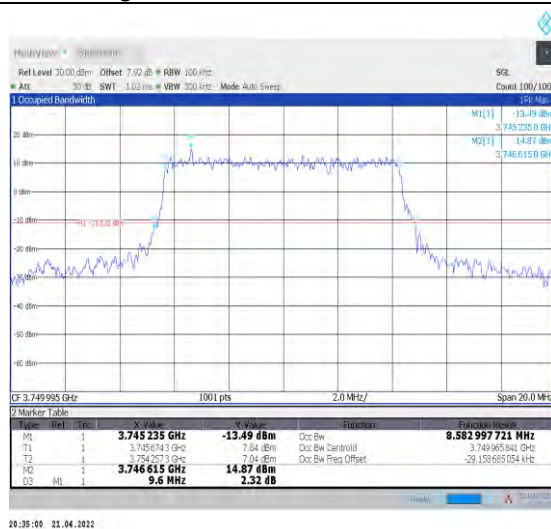


1-N78-3700-3800--30-10-L-8-CP-64QAM-Outer_Full-24@0-Ant1-8.595-9.900-≤10-PASS





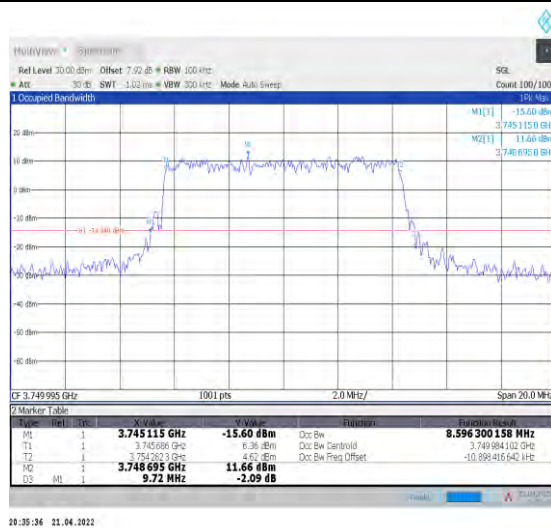
1-N78-3700-3800--30-10-L-9-CP-256QAM-Outer_Full-24@0-Ant1-8.55-9.320-≤10-PASS



1-N78-3700-3800--30-10-M-1-DFT-QPSK-Outer_Full-24@0-Ant1-8.583-9.600-≤10-PASS

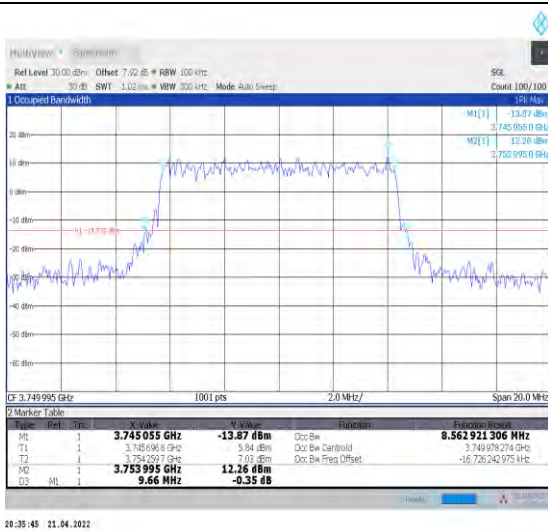


1-N78-3700-3800--30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-Ant1-8.559-9.080-≤10-PASS



1-N78-3700-3800--30-10-M-3-DFT-16QAM-Outer_Full-24@0-Ant1-8.596-9.720-≤10-PASS





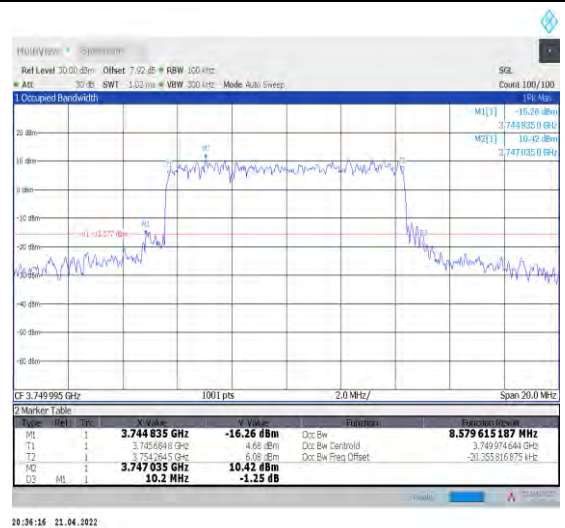
1-N78-3700-3800--30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.563-9.660-≤10-PASS



1-N78-3700-3800--30-10-M-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.536-9.340-≤10-PASS



1-N78-3700-3800--30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant1-8.629-9.600-≤10-PASS



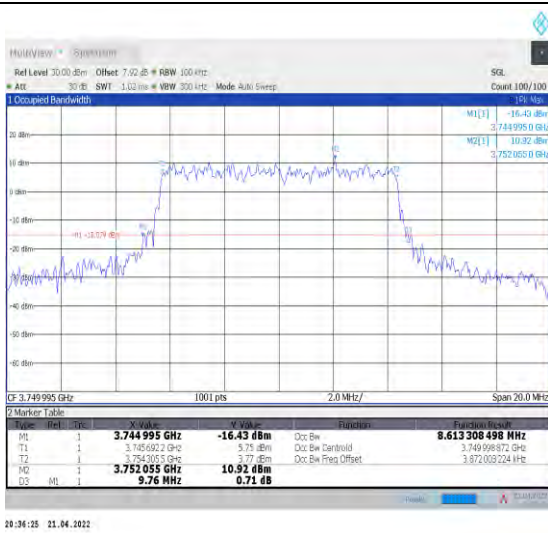
1-N78-3700-3800--30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant1-8.58-10.200-≤10-PASS



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

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

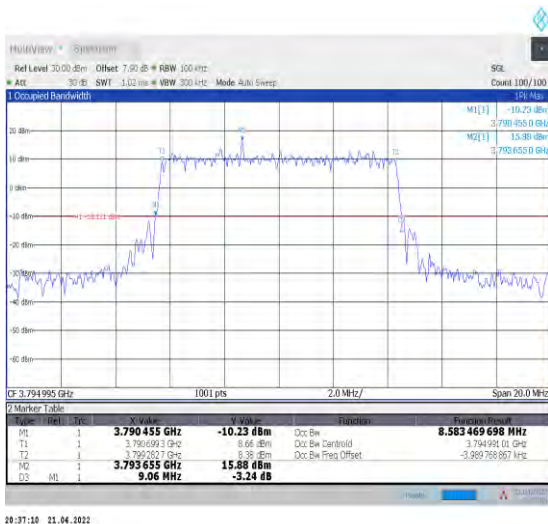
South of No. 6 Plant, No. 1, Punsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



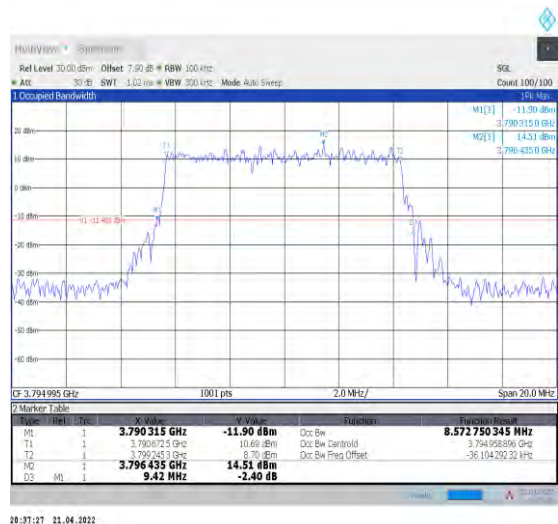
1-N78-3700-3800--30-10-M-8-CP-64QAM-Outer_Full
-24@0-Ant1-8.613-9.760-≤10-PASS



1-N78-3700-3800--30-10-M-9-CP-256QAM-Outer_F
ull-24@0-Ant1-8.582-9.420-≤10-PASS



1-N78-3700-3800--30-10-H-1-DFT-QPSK-Outer_Full
-24@0-Ant1-8.583-9.060-≤10-PASS



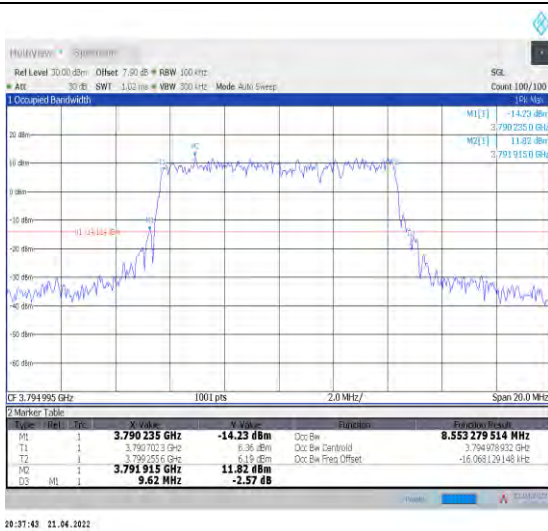
1-N78-3700-3800--30-10-H-2-DFT-PI2BPSK-Outer_
Full-24@0-Ant1-8.573-9.420-≤10-PASS



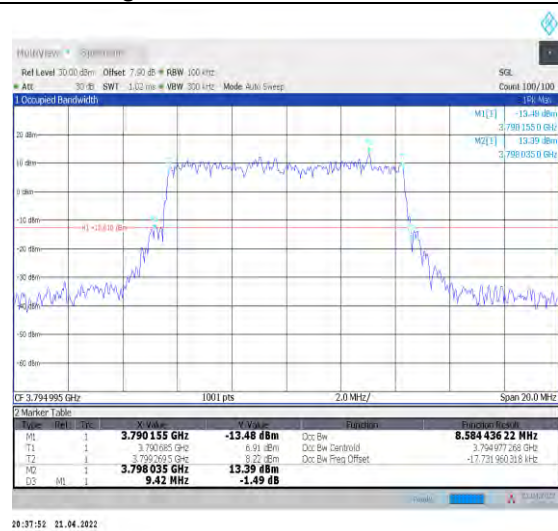
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

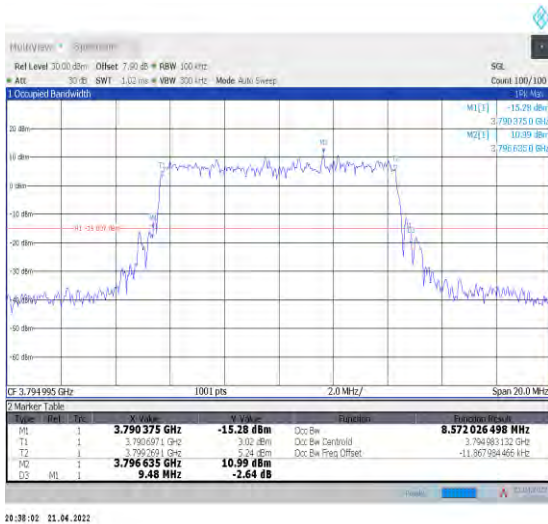
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



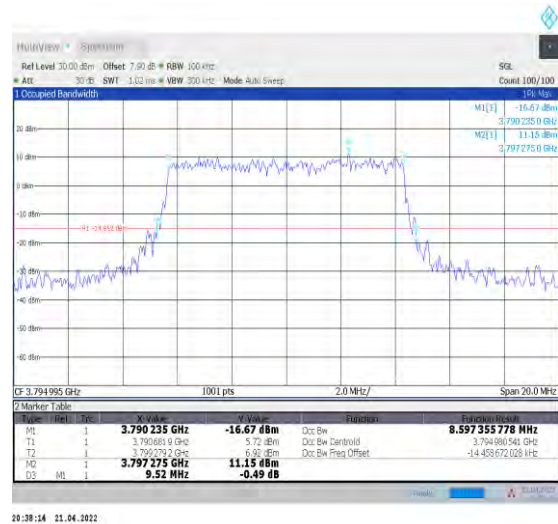
1-N78-3700-3800--30-10-H-3-DFT-16QAM-Outer_Fu II-24@0-Ant1-8.553-9.620-≤10-PASS



1-N78-3700-3800--30-10-H-4-DFT-64QAM-Outer_Fu II-24@0-Ant1-8.584-9.420-≤10-PASS



1-N78-3700-3800--30-10-H-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.572-9.480-≤10-PASS



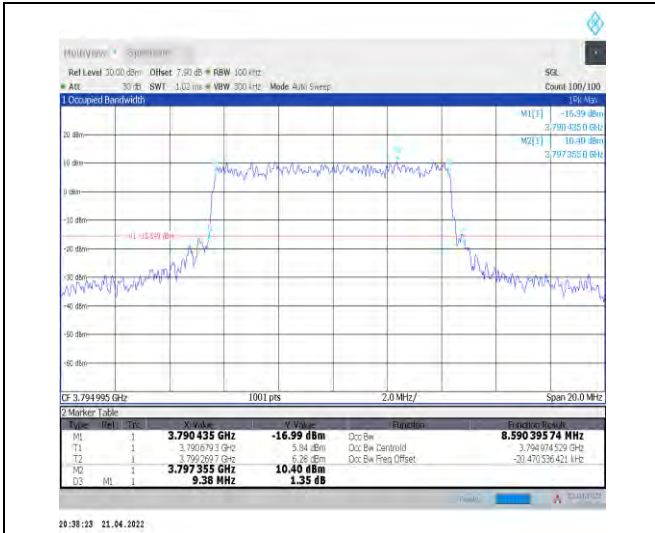
1-N78-3700-3800--30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-8.597-9.520-≤10-PASS



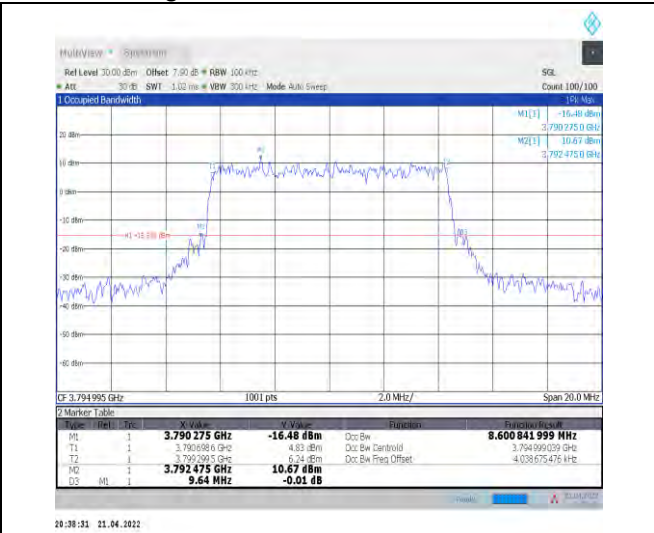
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

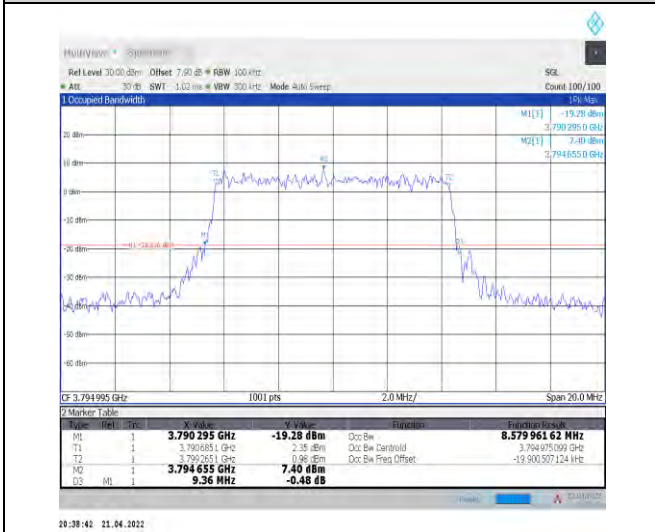
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



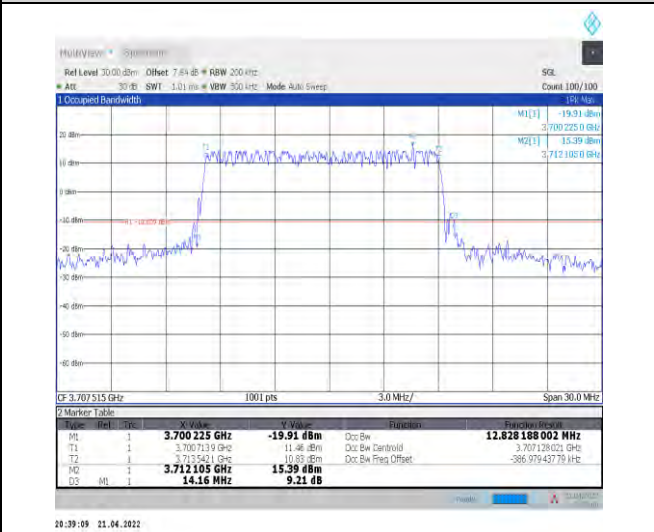
1-N78-3700-3800--30-10-H-7-CP-16QAM-Outer_Full
-24@0-Ant1-8.59-9.380-≤10-PASS



1-N78-3700-3800--30-10-H-8-CP-64QAM-Outer_Full
-24@0-Ant1-8.601-9.640-≤10-PASS



1-N78-3700-3800--30-10-H-9-CP-256QAM-Outer_Fu
II-24@0-Ant1-8.58-9.360-≤10-PASS



1-N78-3700-3800--30-15-L-1-DFT-QPSK-Outer_Full-
36@0-Ant1-12.828-14.160-≤15-PASS

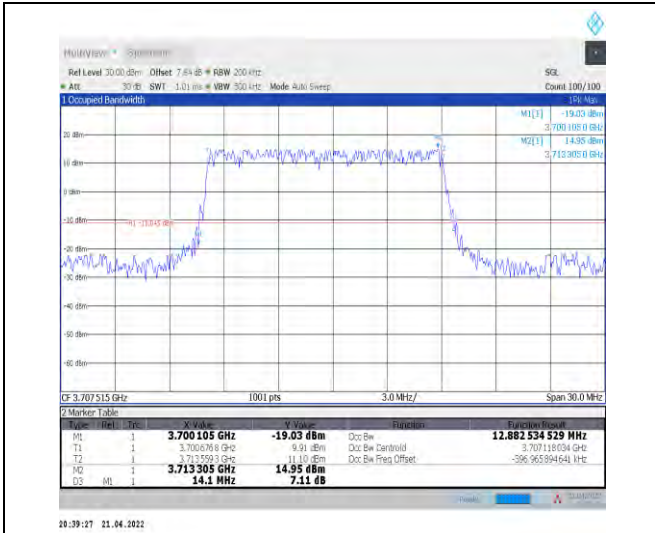


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

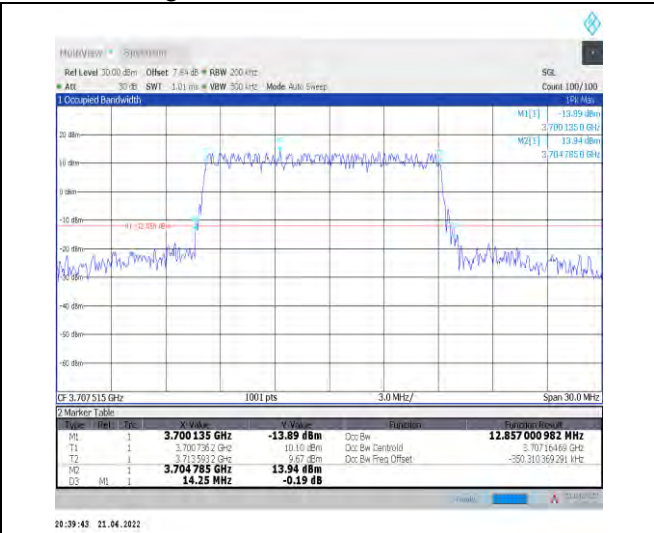
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

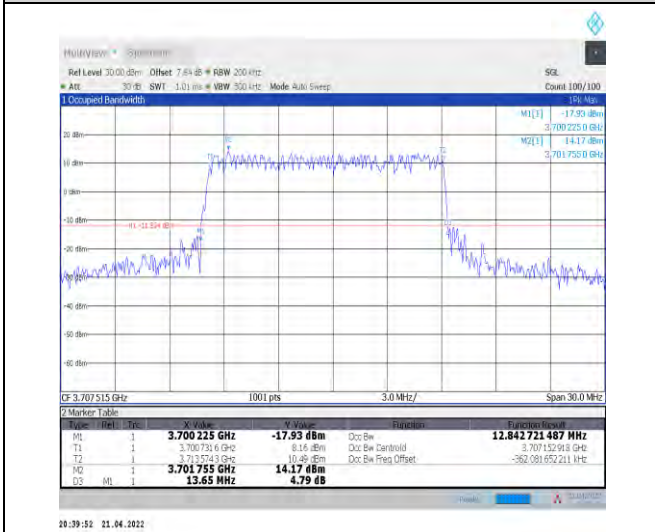
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



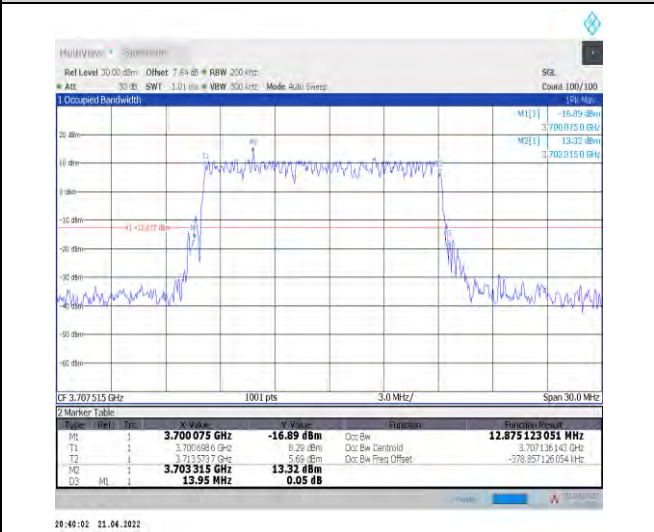
1-N78-3700-3800--30-15-L-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.883-14.100-≤15-PASS



1-N78-3700-3800--30-15-L-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.857-14.250-≤15-PASS



1-N78-3700-3800--30-15-L-4-DFT-64QAM-Outer_Full-36@0-Ant1-12.843-13.650-≤15-PASS



1-N78-3700-3800--30-15-L-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.875-13.950-≤15-PASS



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

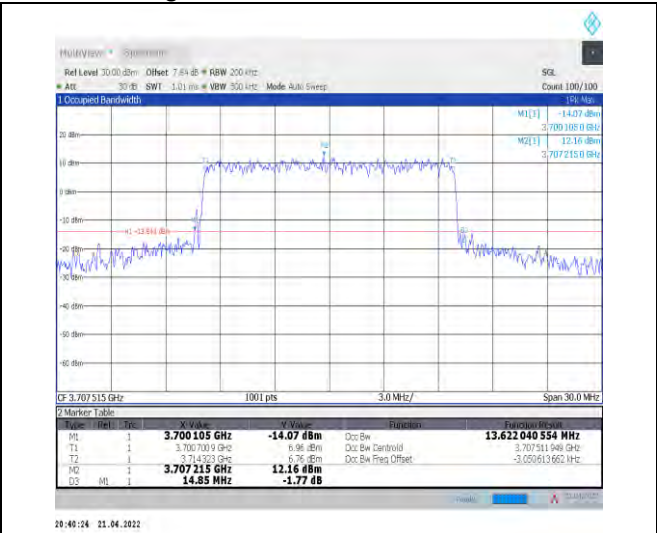
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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



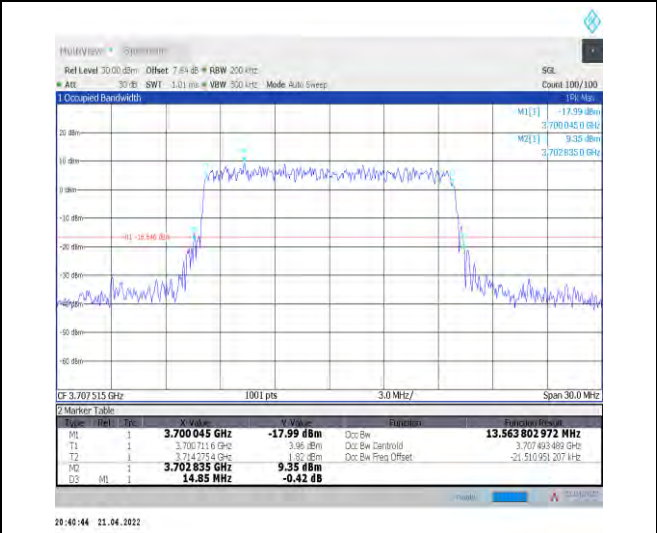
1-N78-3700-3800--30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-13.582-14.790-≤15-PASS



1-N78-3700-3800--30-15-L-7-CP-16QAM-Outer_Full-38@0-Ant1-13.622-14.850-≤15-PASS



1-N78-3700-3800--30-15-L-8-CP-64QAM-Outer_Full-38@0-Ant1-13.613-14.850-≤15-PASS

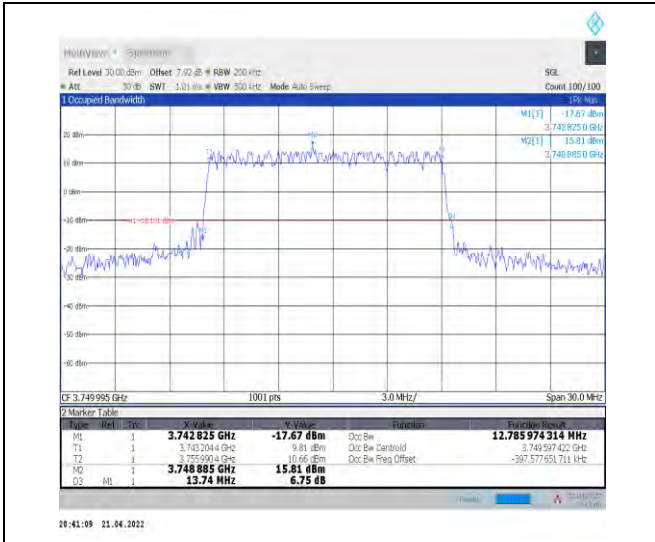


1-N78-3700-3800--30-15-L-9-CP-256QAM-Outer_Full-38@0-Ant1-13.564-14.850-≤15-PASS

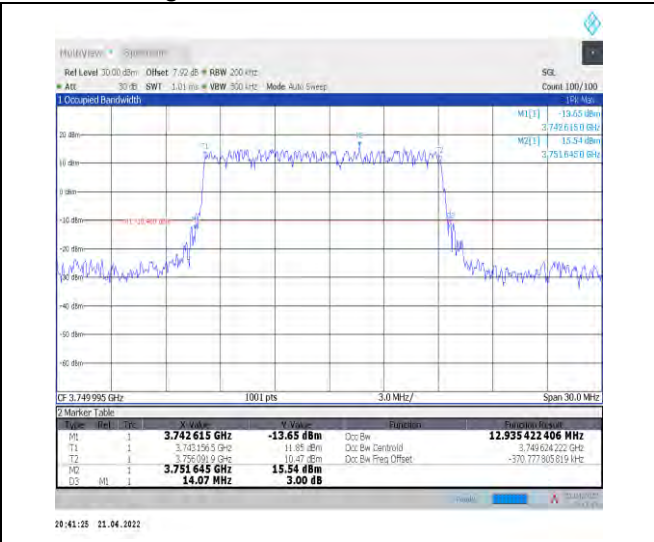


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

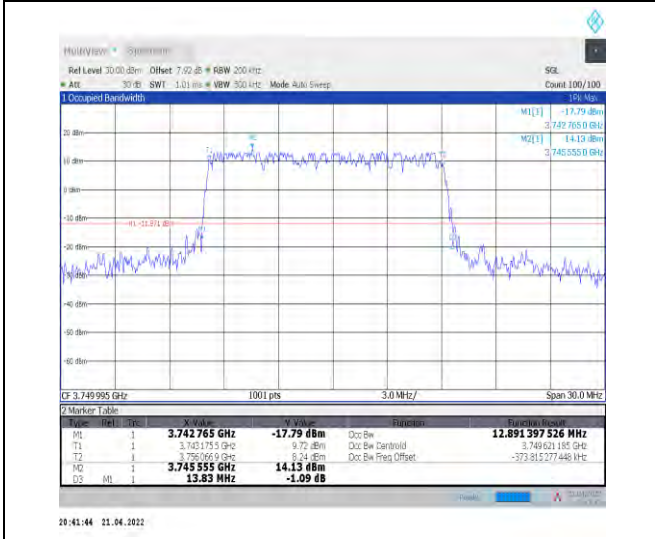
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N78-3700-3800--30-15-M-1-DFT-QPSK-Outer_Full
-36@0-Ant1-12.786-13.740-≤15-PASS



1-N78-3700-3800--30-15-M-2-DFT-PI2BPSK-Outer_Full
Full-36@0-Ant1-12.935-14.070-≤15-PASS



1-N78-3700-3800--30-15-M-3-DFT-16QAM-Outer_Full
ull-36@0-Ant1-12.891-13.830-≤15-PASS



1-N78-3700-3800--30-15-M-4-DFT-64QAM-Outer_Full
ull-36@0-Ant1-12.822-14.100-≤15-PASS

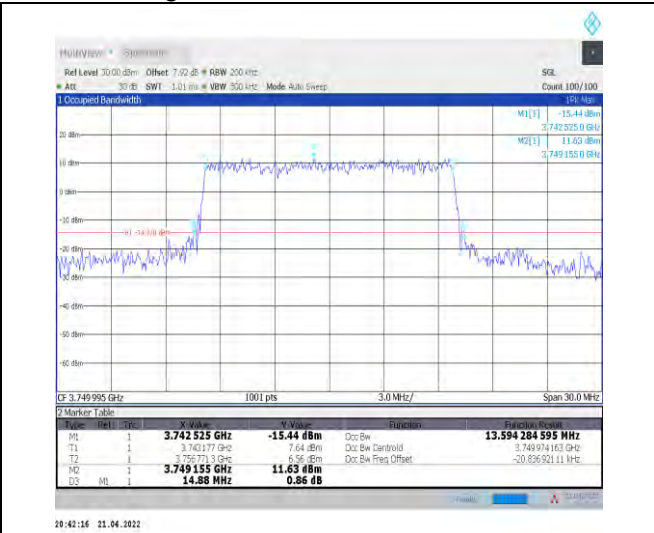
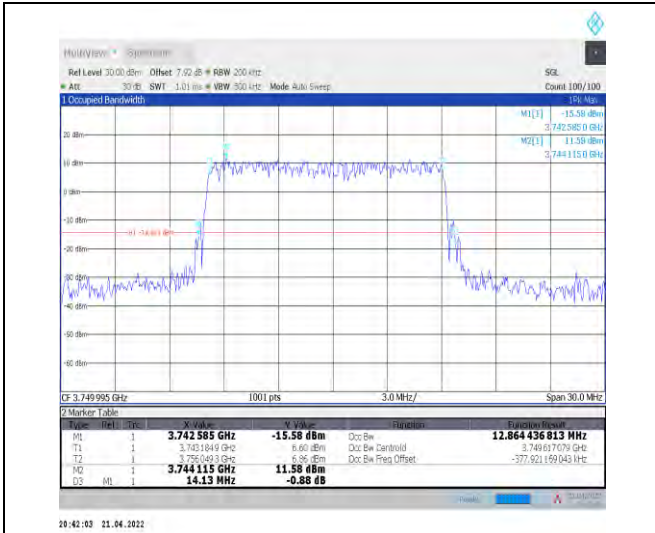


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

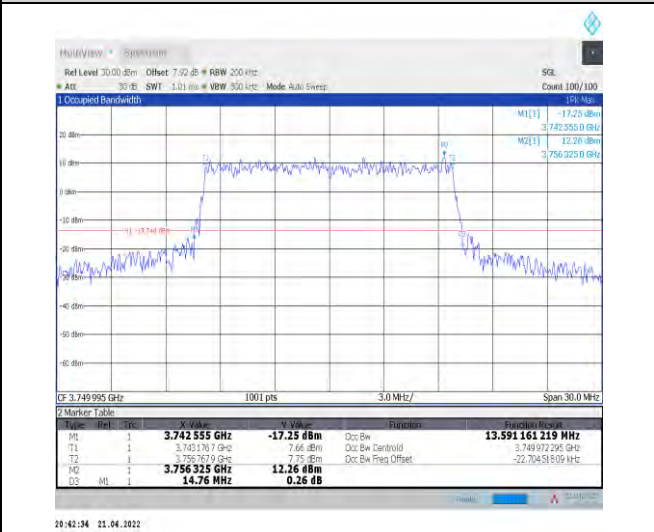
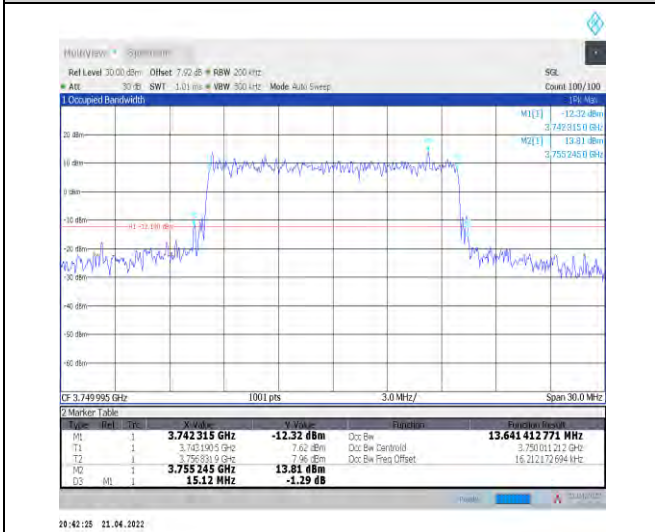
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

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



1-N78-3700-3800--30-15-M-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.864-14.130-≤15-PASS

1-N78-3700-3800--30-15-M-6-CP-QPSK-Outer_Full-38@0-Ant1-13.594-14.880-≤15-PASS



1-N78-3700-3800--30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant1-13.641-15.120-≤15-PASS

1-N78-3700-3800--30-15-M-8-CP-64QAM-Outer_Full-38@0-Ant1-13.591-14.760-≤15-PASS

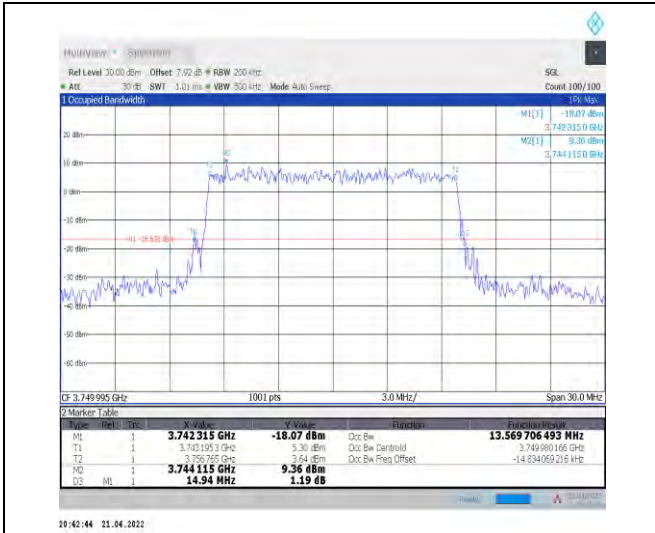


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

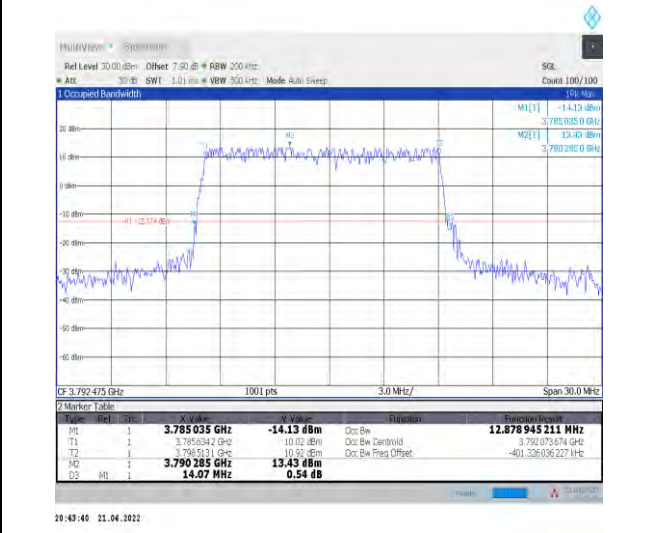
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

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



1-N78-3700-3800--30-15-M-9-CP-256QAM-Outer_Full-38@0-Ant1-13.57-14.940-≤15-PASS

1-N78-3700-3800--30-15-H-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.879-14.040-≤15-PASS



1-N78-3700-3800--30-15-H-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.927-14.010-≤15-PASS

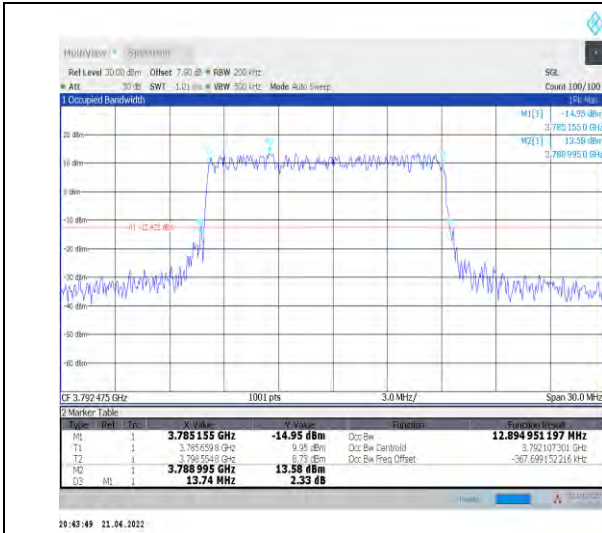
1-N78-3700-3800--30-15-H-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.879-14.070-≤15-PASS



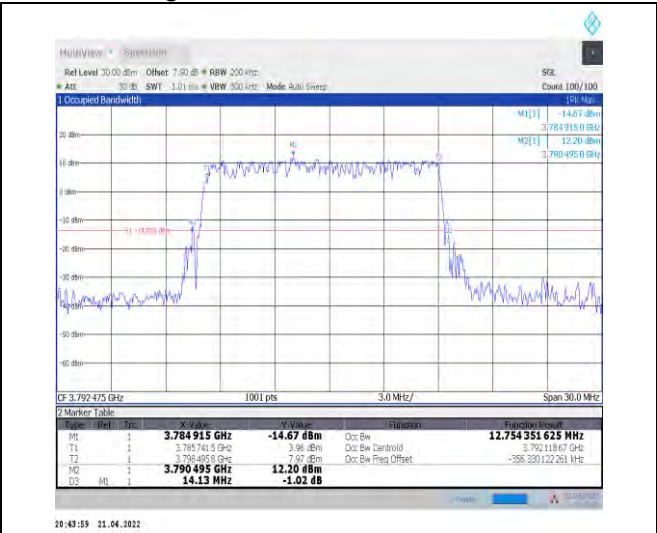
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

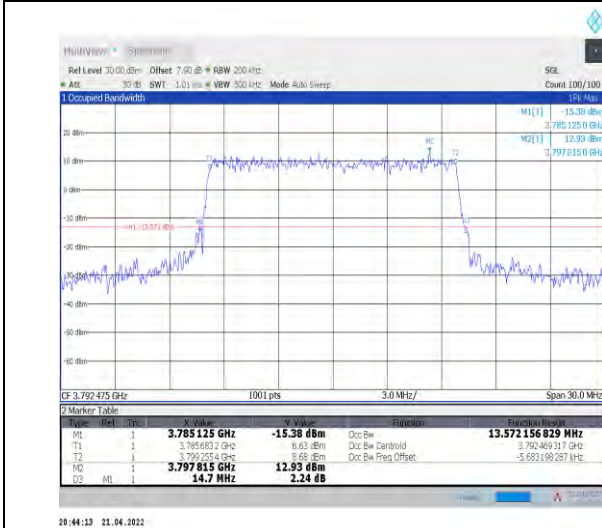
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



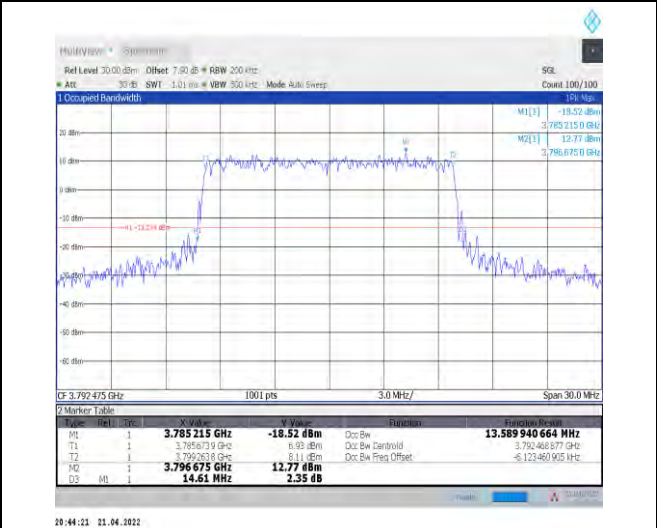
1-N78-3700-3800--30-15-H-4-DFT-64QAM-Outer_Fu II-36@0-Ant1-12.895-13.740-≤15-PASS



1-N78-3700-3800--30-15-H-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.754-14.130-≤15-PASS



1-N78-3700-3800--30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-13.572-14.700-≤15-PASS

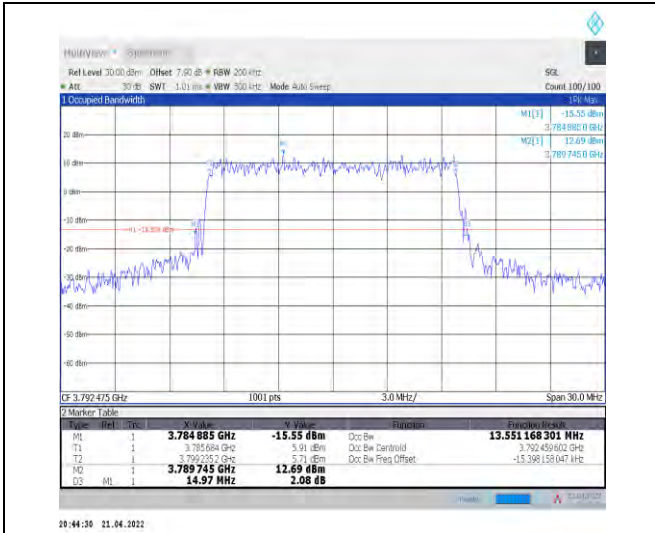


1-N78-3700-3800--30-15-H-7-CP-16QAM-Outer_Full-38@0-Ant1-13.59-14.610-≤15-PASS



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

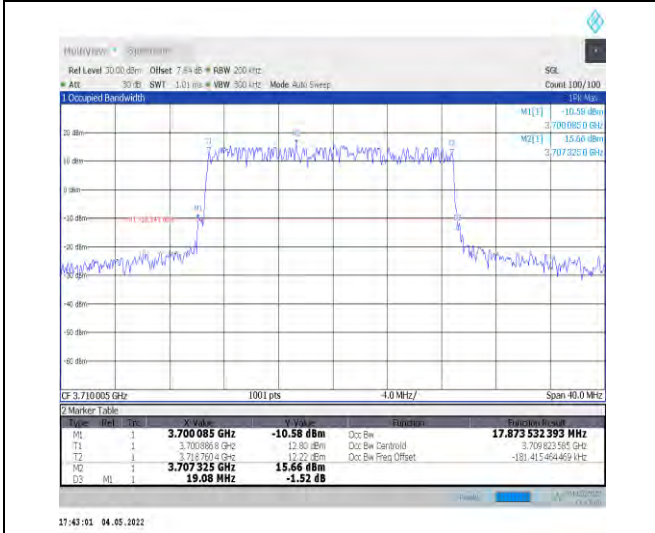
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



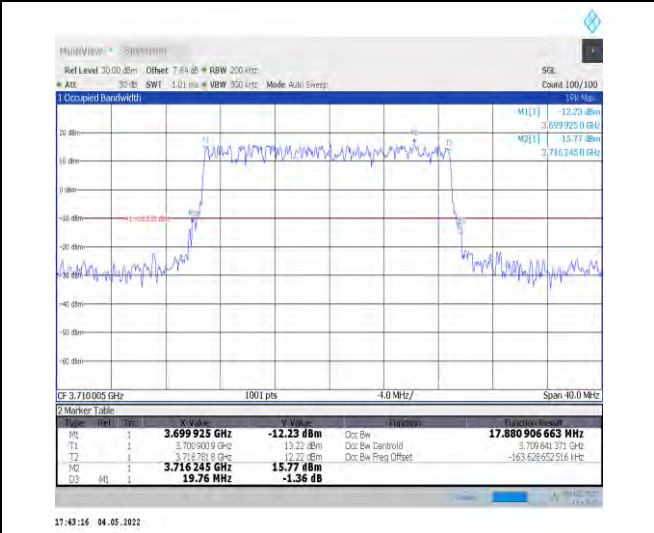
1-N78-3700-3800--30-15-H-8-CP-64QAM-Outer_Full
-38@0-Ant1-13.551-14.970-≤15-PASS



1-N78-3700-3800--30-15-H-9-CP-256QAM-Outer_Full
ull-38@0-Ant1-13.552-14.790-≤15-PASS



1-N78-3700-3800--30-20-L-1-DFT-QPSK-Outer_Full
50@0-Ant1-17.874-19.080-≤20-PASS



1-N78-3700-3800--30-20-L-2-DFT-PI2BPSK-Outer_Full
Full-50@0-Ant1-17.881-19.760-≤20-PASS



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

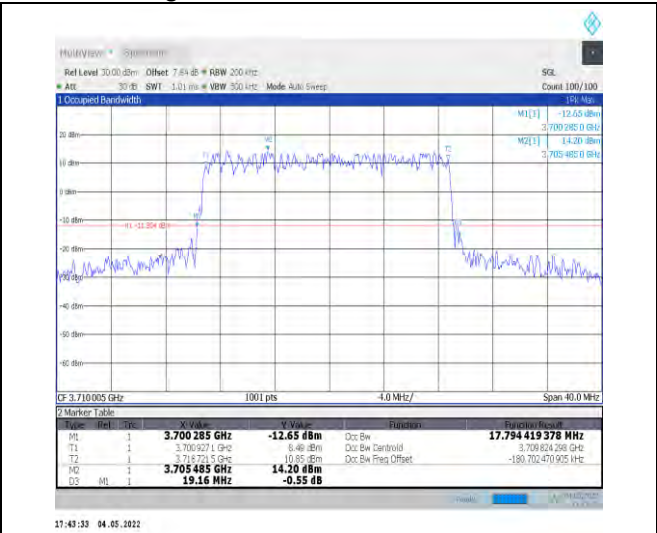
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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



1-N78-3700-3800--30-20-L-3-DFT-16QAM-Outer_Ful I-50@0-Ant1-17.928-19.560-≤ 20-PASS



1-N78-3700-3800--30-20-L-4-DFT-64QAM-Outer_Fu II-50@0-Ant1-17.794-19.160-≤ 20-PASS



1-N78-3700-3800--30-20-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.842-19.320-≤ 20-PASS

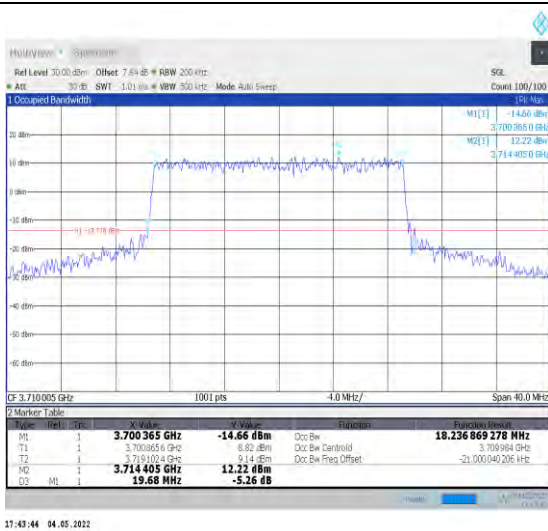


1-N78-3700-3800--30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-18.207-19.920-≤ 20-PASS

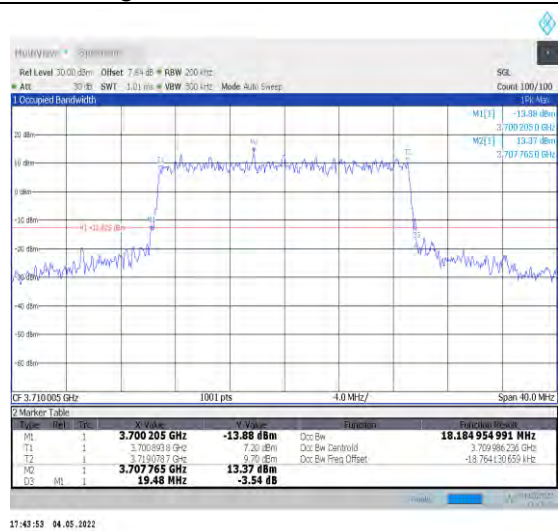


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



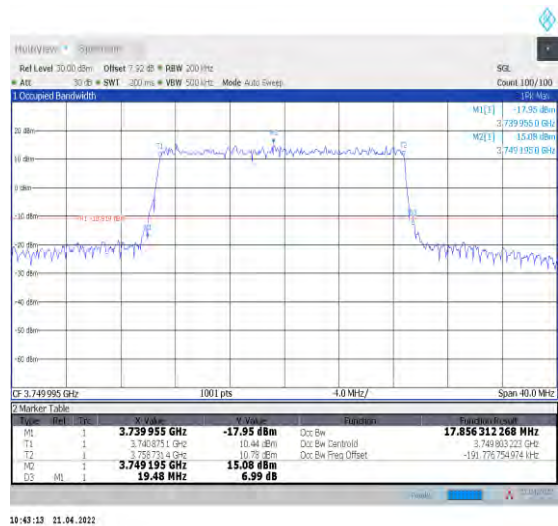
1-N78-3700-3800--30-20-L-7-CP-16QAM-Outer_Full
 -51@0-Ant1-18.237-19.680-≤20-PASS



1-N78-3700-3800--30-20-L-8-CP-64QAM-Outer_Full
 -51@0-Ant1-18.185-19.480-≤20-PASS



1-N78-3700-3800--30-20-L-9-CP-256QAM-Outer_Fu
 II-51@0-Ant1-18.208-19.560-≤20-PASS



1-N78-3700-3800--30-20-M-1-DFT-QPSK-Outer_Full
 -50@0-Ant1-17.856-19.480-≤20-PASS

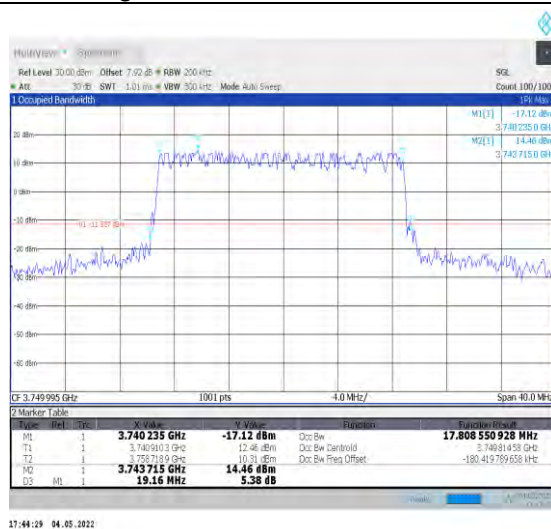


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



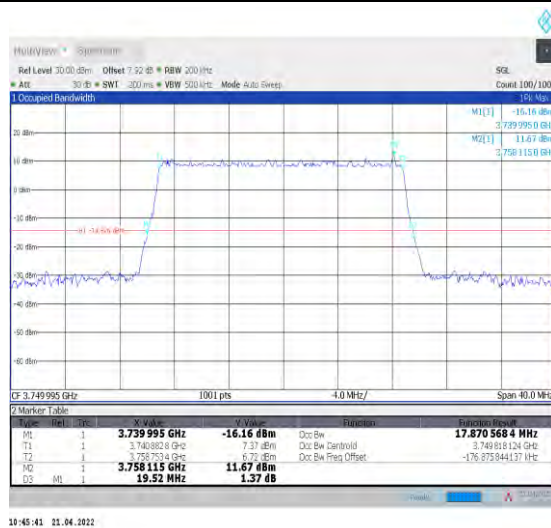
1-N78-3700-3800--30-20-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-17.849-19.520-≤20-PASS



1-N78-3700-3800--30-20-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-17.809-19.160-≤20-PASS

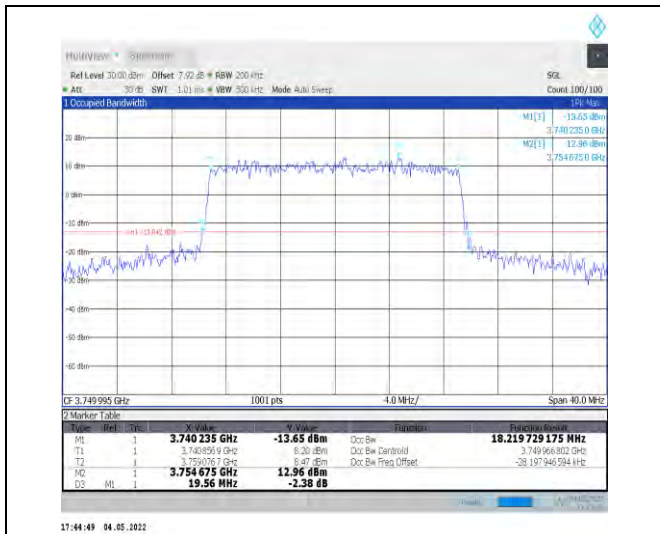


1-N78-3700-3800--30-20-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-17.815-19.120-≤20-PASS

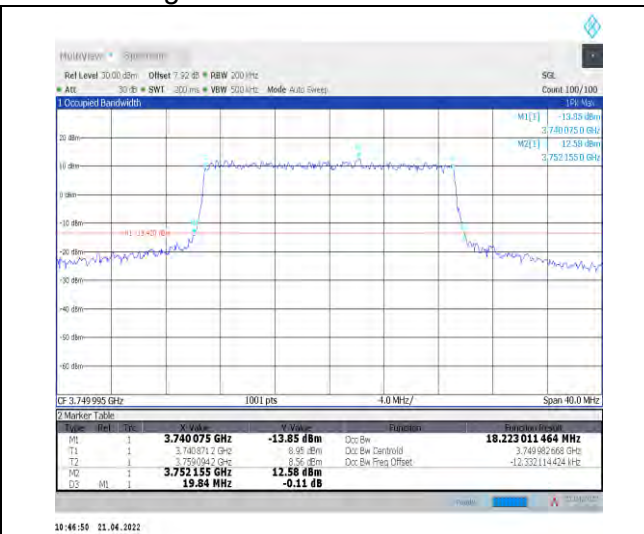


1-N78-3700-3800--30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.871-19.520-≤20-PASS

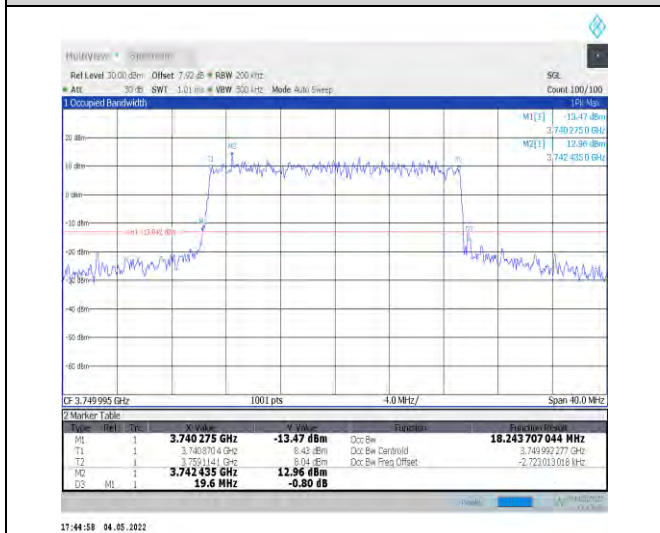




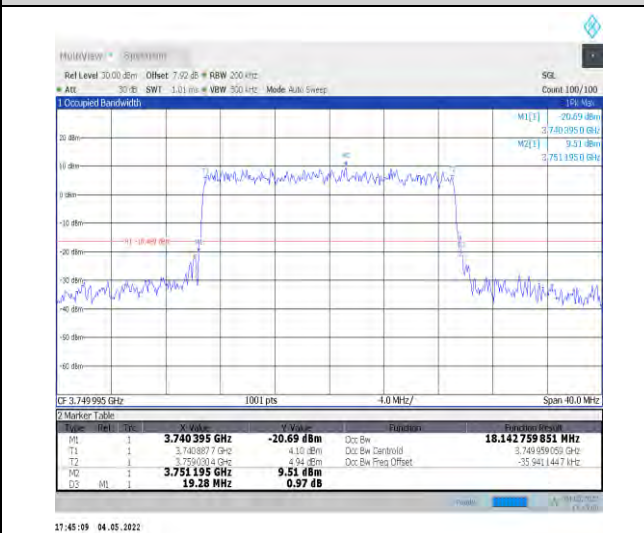
1-N78-3700-3800--30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant1-18.22-19.560-<=20-PASS



1-N78-3700-3800--30-20-M-7-CP-16QAM-Outer_Full-51@0-Ant1-18.223-19.840-<=20-PASS



1-N78-3700-3800--30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant1-18.244-19.600-<=20-PASS



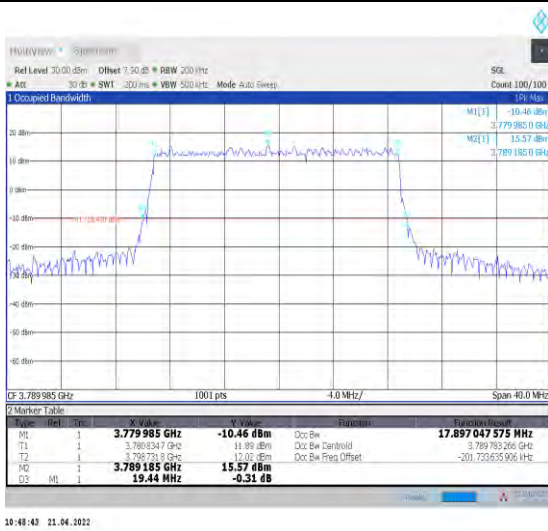
1-N78-3700-3800--30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-18.143-19.280-<=20-PASS



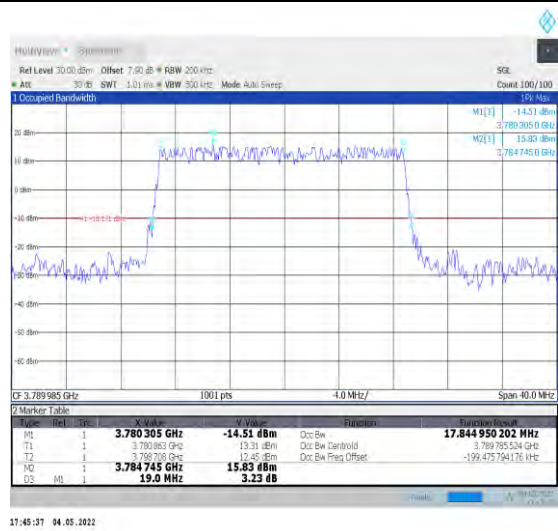
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

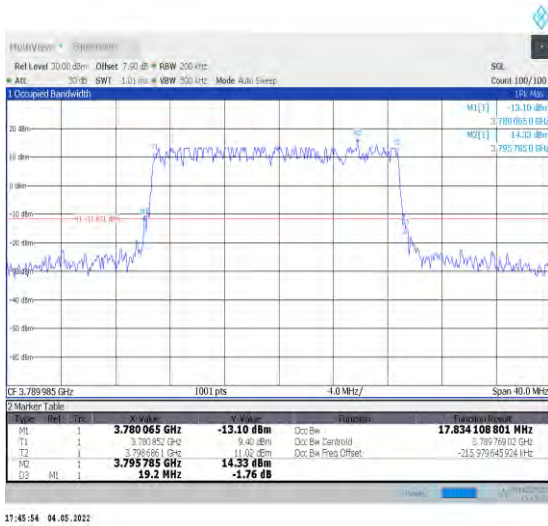
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



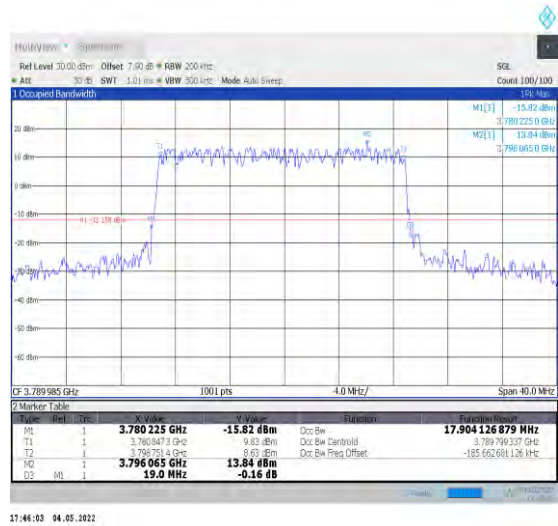
1-N78-3700-3800--30-20-H-1-DFT-QPSK-Outer_Full
 -50@0-Ant1-17.897-19.440-≤20-PASS



1-N78-3700-3800--30-20-H-2-DFT-PI2BPSK-Outer_Full
 Full-50@0-Ant1-17.845-19.000-≤20-PASS



1-N78-3700-3800--30-20-H-3-DFT-16QAM-Outer_Fu
 II-50@0-Ant1-17.834-19.200-≤20-PASS



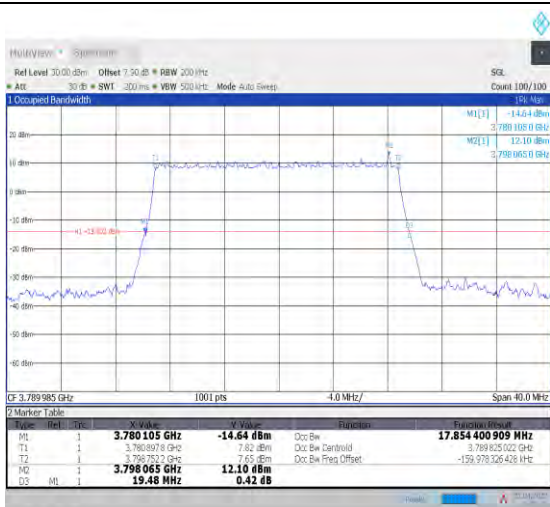
1-N78-3700-3800--30-20-H-4-DFT-64QAM-Outer_Fu
 II-50@0-Ant1-17.904-19.000-≤20-PASS



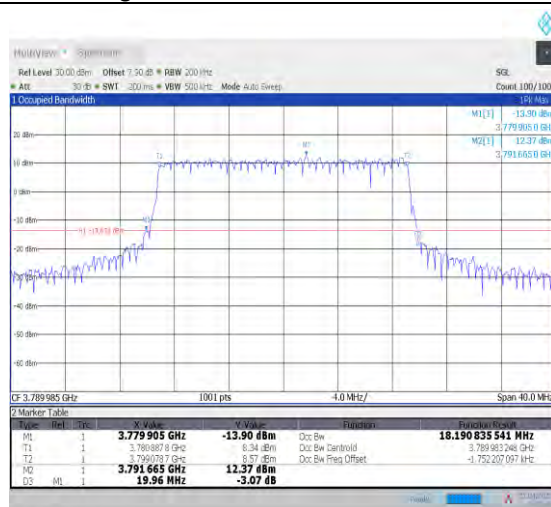
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

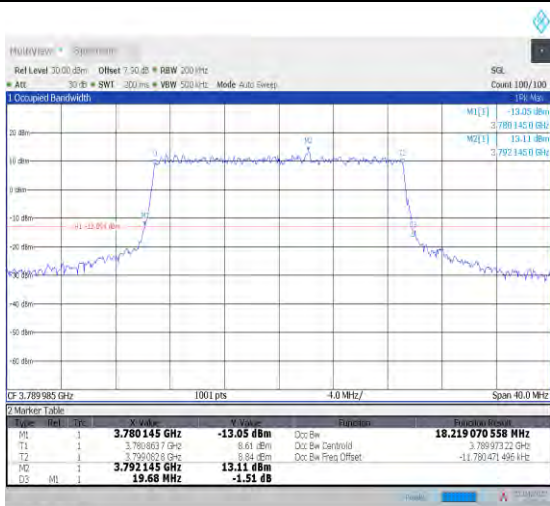
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



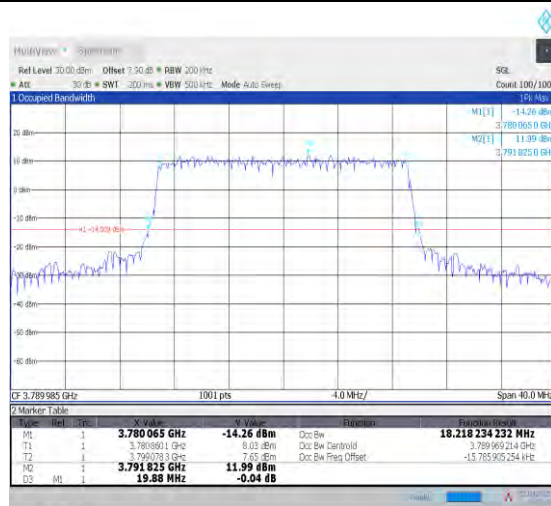
1-N78-3700-3800--30-20-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.854-19.480-≤20-PASS



1-N78-3700-3800--30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-18.191-19.960-≤20-PASS



1-N78-3700-3800--30-20-H-7-CP-16QAM-Outer_Full-51@0-Ant1-18.219-19.680-≤20-PASS



1-N78-3700-3800--30-20-H-8-CP-64QAM-Outer_Full-51@0-Ant1-18.218-19.880-≤20-PASS

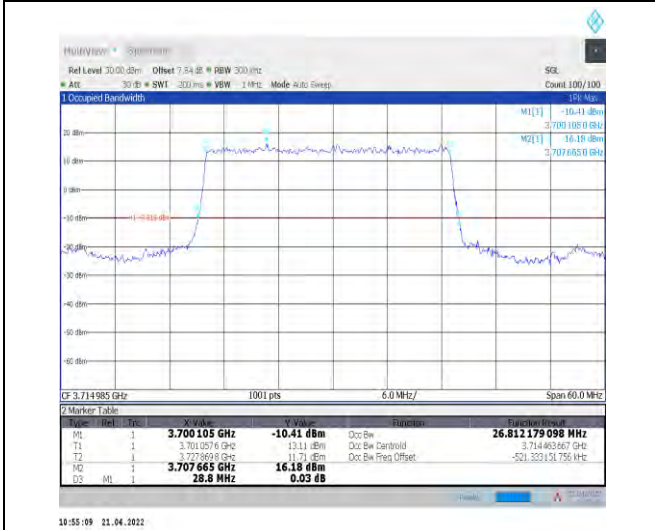




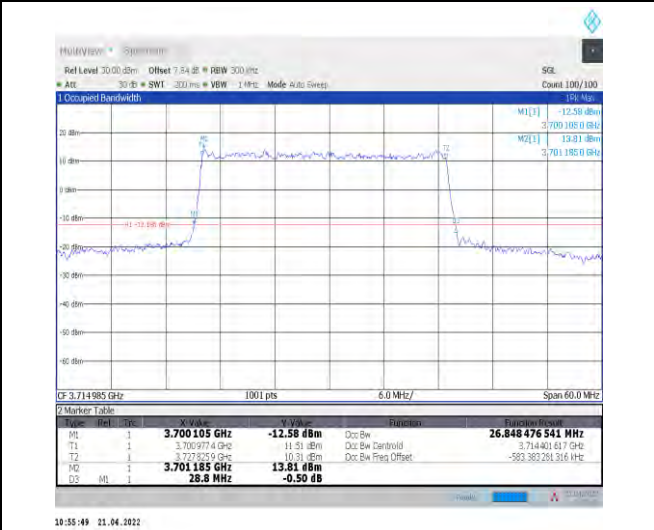
1-N78-3700-3800--30-20-H-9-CP-256QAM-Outer_Fu II-51@0-Ant1-18.216-19.640-≤20-PASS



1-N78-3700-3800--30-30-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-26.83-28.920-≤30-PASS



1-N78-3700-3800--30-30-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-26.812-28.800-≤30-PASS

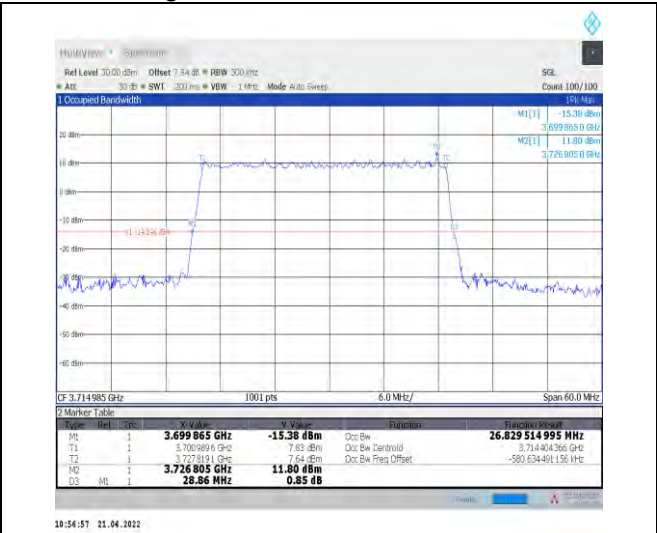


1-N78-3700-3800--30-30-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-26.848-28.800-≤30-PASS





1-N78-3700-3800--30-30-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-26.825-28.860-≤30-PASS



1-N78-3700-3800--30-30-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-26.83-28.860-≤30-PASS



1-N78-3700-3800--30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-27.887-31.440-≤30-PASS



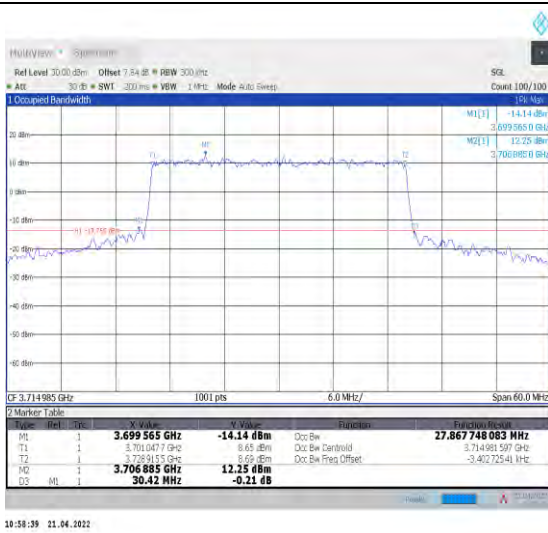
1-N78-3700-3800--30-30-L-7-CP-16QAM-Outer_Full-78@0-Ant1-27.898-29.880-≤30-PASS



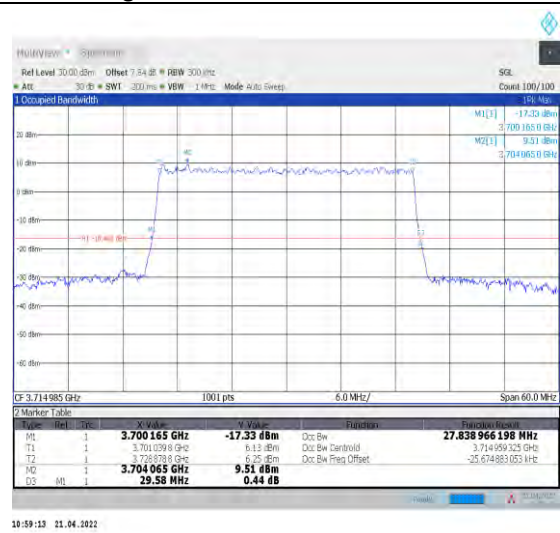
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

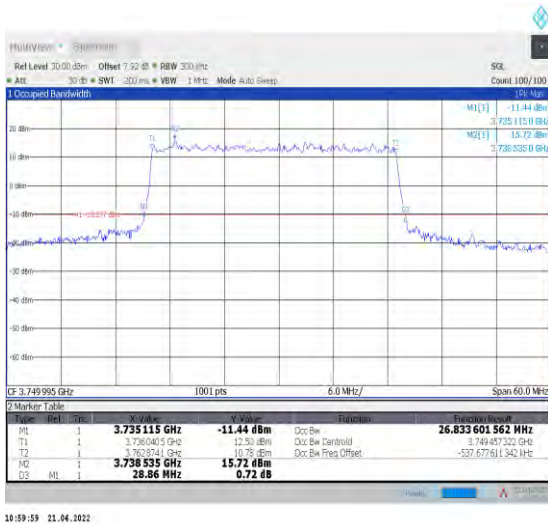
South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N78-3700-3800--30-30-L-8-CP-64QAM-Outer_Full
-78@0-Ant1-27.868-30.420-<30-PASS



1-N78-3700-3800--30-30-L-9-CP-256QAM-Outer_Fu
II-78@0-Ant1-27.839-29.580-<30-PASS



1-N78-3700-3800--30-30-M-1-DFT-QPSK-Outer_Full
-75@0-Ant1-26.834-28.860-<30-PASS



1-N78-3700-3800--30-30-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-26.822-28.800-<30-PASS



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

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

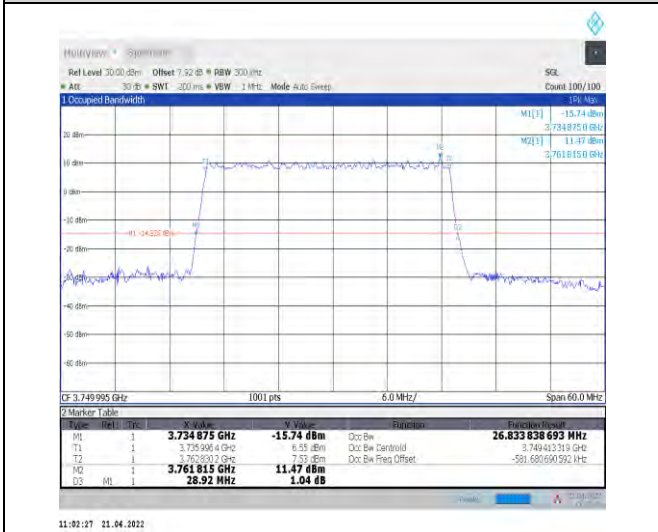
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

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



1-N78-3700-3800--30-30-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-26.864-28.860-≤30-PASS

1-N78-3700-3800--30-30-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-26.821-28.620-≤30-PASS



1-N78-3700-3800--30-30-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-26.834-28.920-≤30-PASS

1-N78-3700-3800--30-30-M-6-CP-QPSK-Outer_Full-78@0-Ant1-27.88-30.120-≤30-PASS

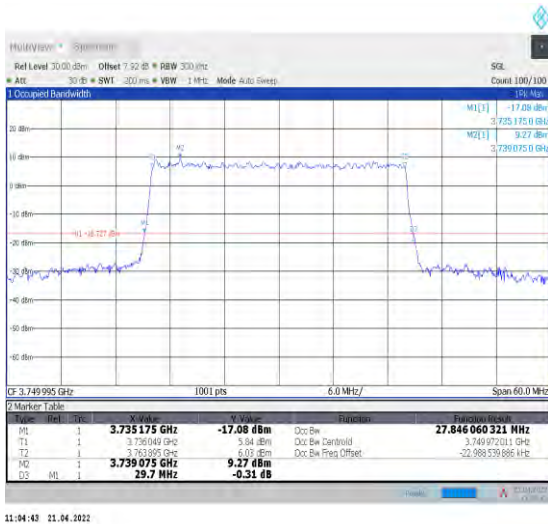




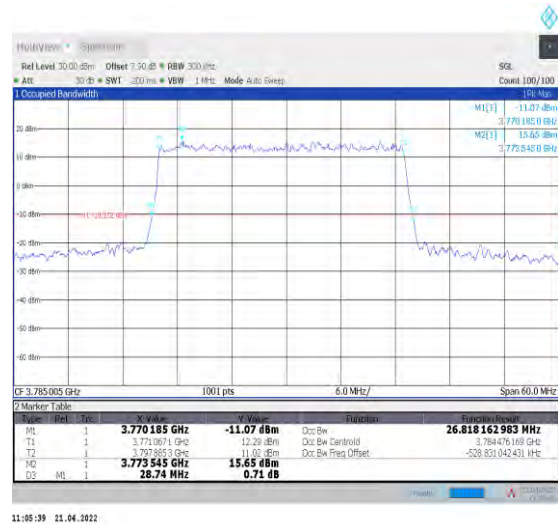
1-N78-3700-3800--30-30-M-7-CP-16QAM-Outer_Full
-78@0-Ant1-27.887-29.820-≤30-PASS



1-N78-3700-3800--30-30-M-8-CP-64QAM-Outer_Ful
I-78@0-Ant1-27.868-29.760-≤30-PASS



1-N78-3700-3800--30-30-M-9-CP-256QAM-Outer_F
ull-78@0-Ant1-27.846-29.700-≤30-PASS



1-N78-3700-3800--30-30-H-1-DFT-QPSK-Outer_Full
-75@0-Ant1-26.818-28.740-≤30-PASS



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

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

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

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



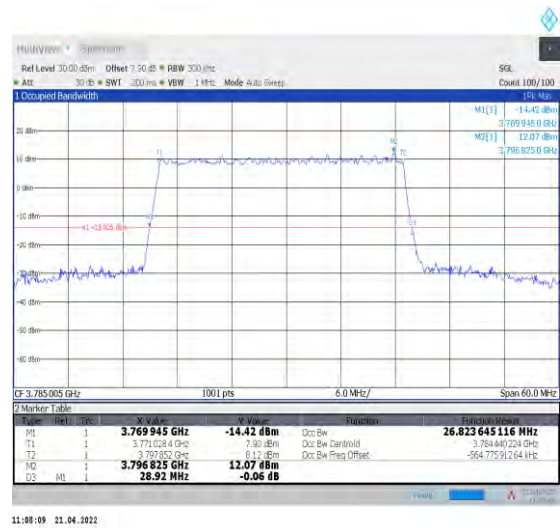
1-N78-3700-3800--30-30-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-26.822-28.800-≤30-PASS



1-N78-3700-3800--30-30-H-3-DFT-16QAM-Outer_FuII-75@0-Ant1-26.865-28.860-≤30-PASS



1-N78-3700-3800--30-30-H-4-DFT-64QAM-Outer_FuII-75@0-Ant1-26.806-28.740-≤30-PASS



1-N78-3700-3800--30-30-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-26.824-28.920-≤30-PASS

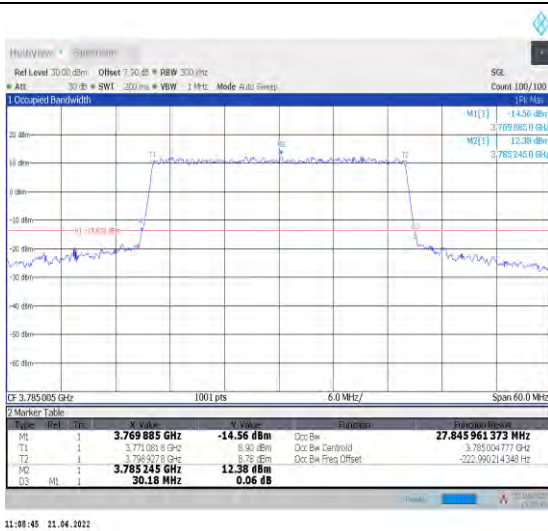


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

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



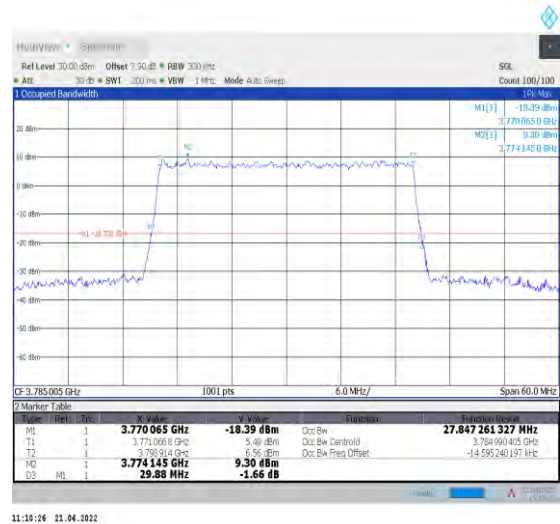
1-N78-3700-3800--30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-27.846-30.180-≤30-PASS



1-N78-3700-3800--30-30-H-7-CP-16QAM-Outer_Full-78@0-Ant1-27.863-29.880-≤30-PASS

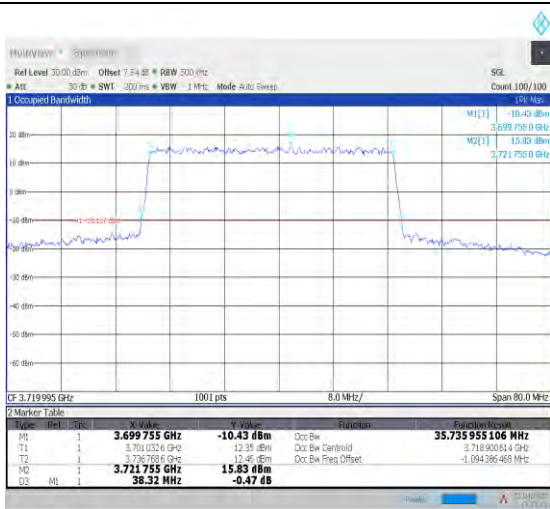


1-N78-3700-3800--30-30-H-8-CP-64QAM-Outer_Full-78@0-Ant1-27.866-29.700-≤30-PASS

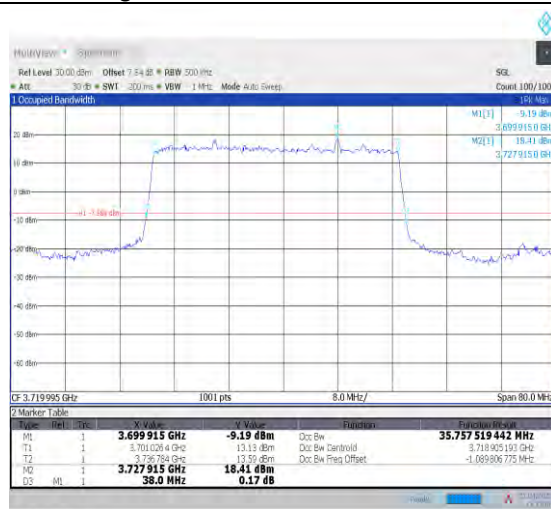


1-N78-3700-3800--30-30-H-9-CP-256QAM-Outer_Full-78@0-Ant1-27.847-29.880-≤30-PASS

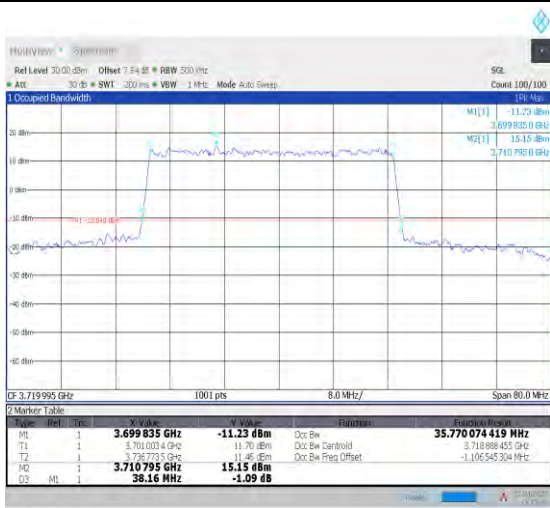




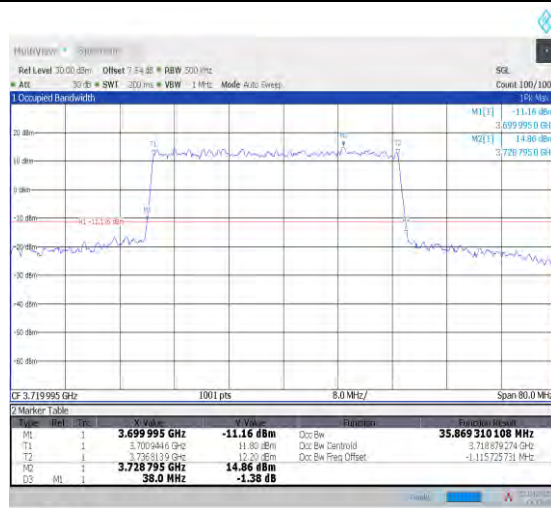
1-N78-3700-3800--30-40-L-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.736-38.320-≤ 40-PASS



1-N78-3700-3800--30-40-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.758-38.000-≤ 40-PASS



1-N78-3700-3800--30-40-L-3-DFT-16QAM-Outer_Ful-I-100@0-Ant1-35.77-38.160-≤ 40-PASS



1-N78-3700-3800--30-40-L-4-DFT-64QAM-Outer_Fu-II-100@0-Ant1-35.869-38.000-≤ 40-PASS

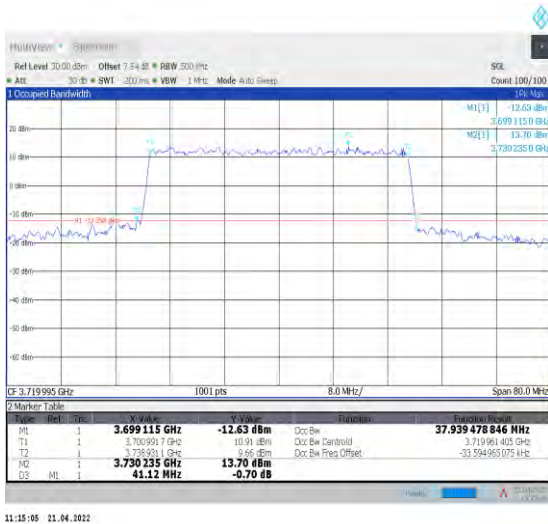




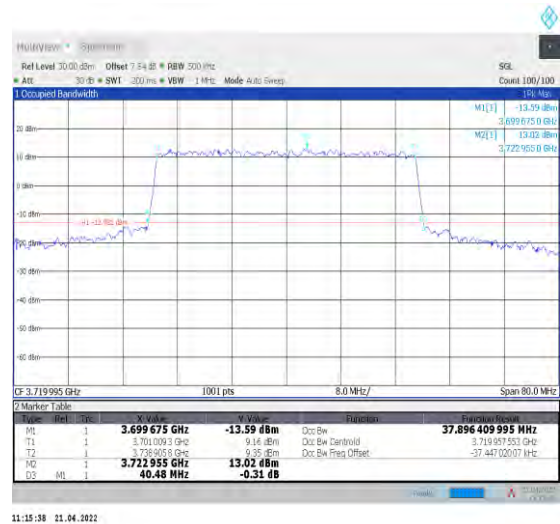
1-N78-3700-3800--30-40-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.716-38.080-≤40-PASS



1-N78-3700-3800--30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-37.931-40.160-≤40-PASS



1-N78-3700-3800--30-40-L-7-CP-16QAM-Outer_Full-106@0-Ant1-37.939-41.120-≤40-PASS



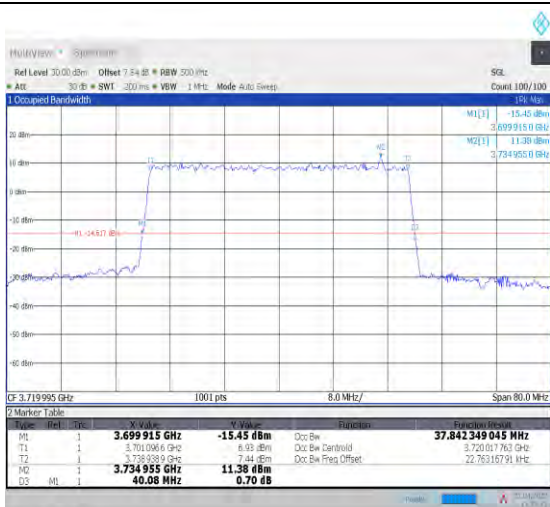
1-N78-3700-3800--30-40-L-8-CP-64QAM-Outer_Full-106@0-Ant1-37.896-40.480-≤40-PASS



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

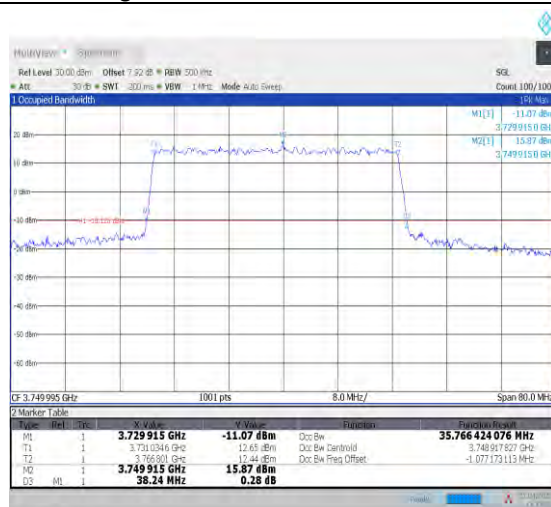
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



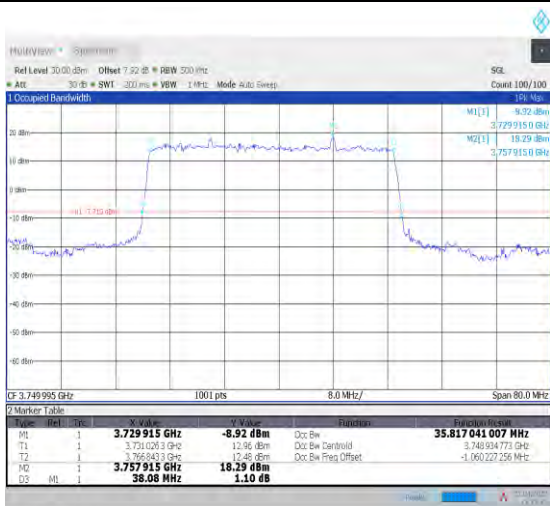
11:14:12 21.04.2022

1-N78-3700-3800--30-40-L-9-CP-256QAM-Outer_Fu II-106@0-Ant1-37.842-40.080-≤40-PASS



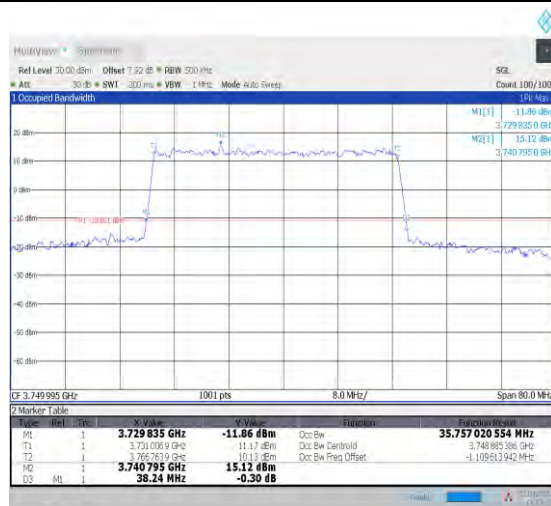
11:17:02 21.04.2022

1-N78-3700-3800--30-40-M-1-DFT-QPSK-Outer_Full -100@0-Ant1-35.766-38.240-≤40-PASS



11:17:42 21.04.2022

1-N78-3700-3800--30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.817-38.080-≤40-PASS

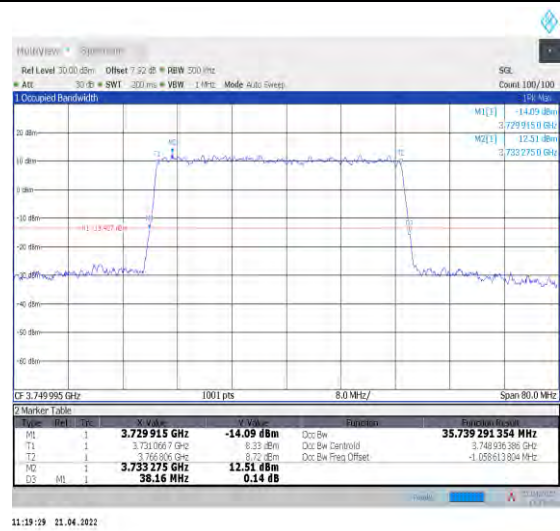


11:18:22 21.04.2022

1-N78-3700-3800--30-40-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-35.757-38.240-≤40-PASS

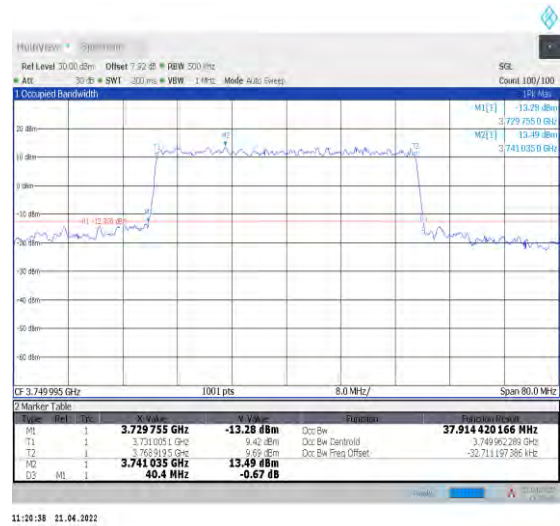


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



1-N78-3700-3800--30-40-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-35.885-38.320-≤40-PASS

1-N78-3700-3800--30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.739-38.160-≤40-PASS



1-N78-3700-3800--30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant1-37.954-40.400-≤40-PASS

1-N78-3700-3800--30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant1-37.914-40.400-≤40-PASS



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

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

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

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



1-N78-3700-3800--30-40-M-8-CP-64QAM-Outer_Full -106@0-Ant1-37.913-40.480-≤ 40-PASS



1-N78-3700-3800--30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant1-37.88-40.400-≤ 40-PASS



1-N78-3700-3800--30-40-H-1-DFT-QPSK-Outer_Full -100@0-Ant1-35.755-38.240-≤ 40-PASS



1-N78-3700-3800--30-40-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.755-38.000-≤ 40-PASS



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

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

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

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



1-N78-3700-3800--30-40-H-3-DFT-16QAM-Outer_Fu II-100@0-Ant1-35.738-38.160-≤ 40-PASS



1-N78-3700-3800--30-40-H-4-DFT-64QAM-Outer_Fu II-100@0-Ant1-35.862-38.080-≤ 40-PASS



1-N78-3700-3800--30-40-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.713-37.920-≤ 40-PASS



1-N78-3700-3800--30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-37.895-40.320-≤ 40-PASS



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

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

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

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