

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 1 of 52

Appendix



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

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

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

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 2 of 52

Effective (Isotropic) Radiated Power Output Data for SA**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.39	22.85	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.34	21.19	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	22.41	20.26	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	23.37	21.22	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	23.38	21.23	34.77	PASS
N12	15	5	DFT-QPSK	L	Outer_Full	22.42	20.27	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	22.17	20.02	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	22.19	20.04	34.77	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	21.45	19.3	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	20.92	18.77	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	20.97	18.82	34.77	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	20.95	18.8	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	18.79	16.64	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	18.78	16.63	34.77	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	18.79	16.64	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.3	21.15	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.26	21.11	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	22.29	20.14	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	23.36	21.21	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	23.32	21.17	34.77	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	22.29	20.14	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	22.09	19.94	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.5	20.35	34.77	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	21.27	19.12	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	20.86	18.71	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	20.93	18.78	34.77	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	20.81	18.66	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	18.76	16.61	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Right	18.7	16.55	34.77	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	18.77	16.62	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.28	21.13	34.77	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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 3 of 52

N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.27	21.12	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	22.3	20.15	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	23.29	21.14	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	23.25	21.1	34.77	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	22.27	20.12	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.49	20.34	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	22.06	19.91	34.77	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	21.28	19.13	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	20.9	18.75	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	20.85	18.7	34.77	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	20.81	18.66	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	18.78	16.63	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	18.76	16.61	34.77	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	18.82	16.67	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.39	21.24	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.27	21.12	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	22.37	20.22	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	23.42	21.27	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	23.27	21.12	34.77	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	22.42	20.27	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	22.3	20.15	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.14	19.99	34.77	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	21.4	19.25	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	20.85	18.7	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	20.7	18.55	34.77	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	20.92	18.77	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	18.89	16.74	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	18.91	16.76	34.77	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	18.9	16.75	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.38	21.23	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.34	21.19	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	22.36	20.21	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	23.45	21.3	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	23.33	21.18	34.77	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	22.33	20.18	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	22.22	20.07	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	22.09	19.94	34.77	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	21.34	19.19	34.77	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, Ransheng 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) 62982980 www.sgs.com.cn
t (86-512) 62982980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 4 of 52

N12	15	10	DFT-64QAM	M	Inner_1RB_Left	21.07	18.92	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	20.94	18.79	34.77	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	20.84	18.69	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	18.77	16.62	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	18.9	16.75	34.77	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	18.91	16.76	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.36	21.21	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.3	21.15	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	22.39	20.24	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	23.37	21.22	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	23.32	21.17	34.77	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	22.43	20.28	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.13	19.98	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Right	22.11	19.96	34.77	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	21.41	19.26	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	20.95	18.8	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	20.89	18.74	34.77	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	20.93	18.78	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	18.79	16.64	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	18.85	16.7	34.77	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	18.81	16.66	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.49	21.34	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.32	21.17	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	22.47	20.32	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	23.46	21.31	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Right	23.39	21.24	34.77	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	22.44	20.29	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	22.2	20.05	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	22.07	19.92	34.77	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	21.47	19.32	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	21.07	18.92	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	20.91	18.76	34.77	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	21.01	18.86	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	18.93	16.78	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	18.82	16.67	34.77	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	19.03	16.88	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.46	21.31	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.29	21.14	34.77	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, Ransheng 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) 62982980 www.sgs.com.cn
t (86-512) 62982980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 5 of 52

N12	15	15	DFT-PI2BPSK	M	Outer_Full	22.41	20.26	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	23.45	21.3	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	23.34	21.19	34.77	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	22.47	20.32	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	22.19	20.04	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	22.06	19.91	34.77	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	21.46	19.31	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	21.04	18.89	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	20.91	18.76	34.77	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	20.95	18.8	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	18.91	16.76	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	18.89	16.74	34.77	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	19	16.85	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.44	21.29	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.31	21.16	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	22.41	20.26	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	23.45	21.3	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	23.32	21.17	34.77	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	22.45	20.3	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Left	22.17	20.02	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Right	22.08	19.93	34.77	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	21.42	19.27	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	21.01	18.86	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	20.91	18.76	34.77	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	20.96	18.81	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	19.02	16.87	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	18.86	16.71	34.77	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	18.99	16.84	34.77	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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 6 of 52

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N12	15	15	DFT-256QAM	L	Outer_Full	100%	0.00	11.15	≤13	PASS
N12	15	15	CP-256QAM	L	Outer_Full	100%	0.00	11.38	≤13	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	100%	0.00	11.06	≤13	PASS
N12	15	15	CP-256QAM	M	Outer_Full	100%	0.00	11.33	≤13	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	100%	0.00	10.94	≤13	PASS
N12	15	15	CP-256QAM	H	Outer_Full	100%	0.00	11.45	≤13	PASS



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

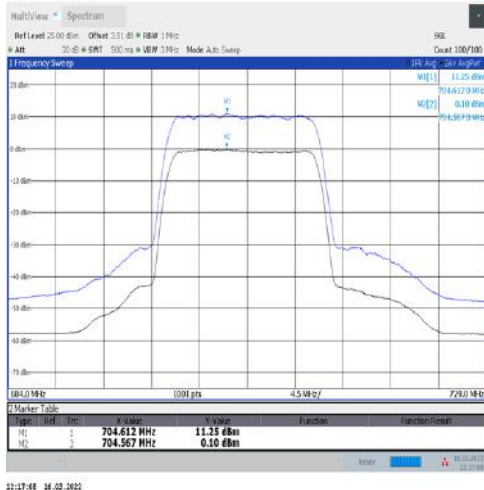
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

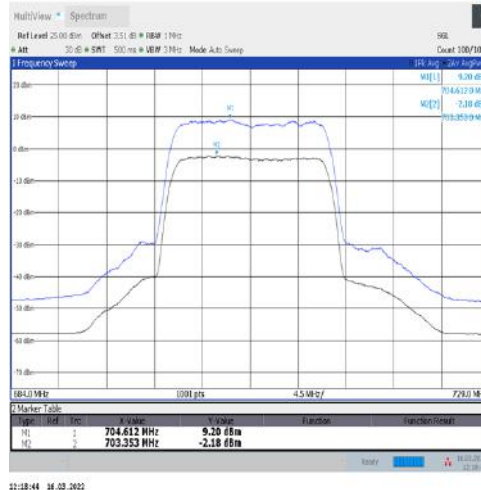
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202
Rev.: 01
Page: 7 of 52

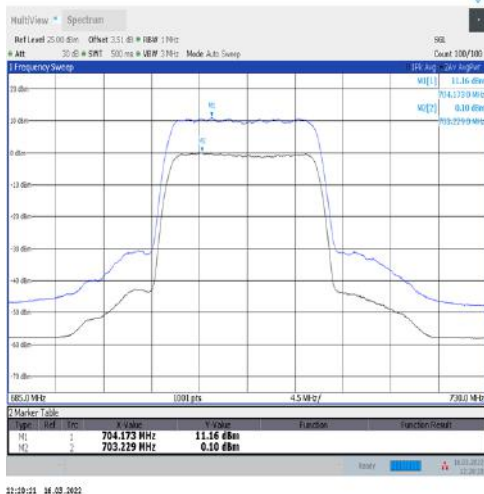
Test Graphs



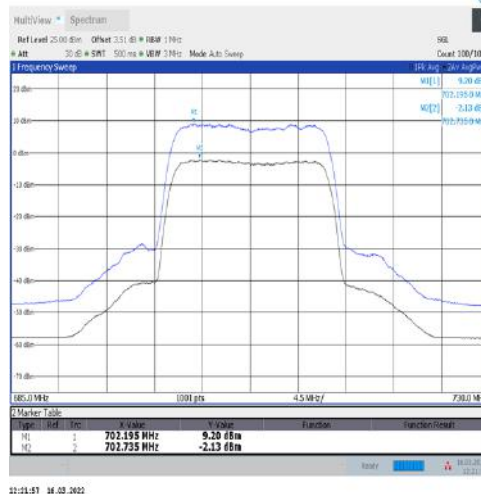
1-N12-15-15-L-1-DFT-256QAM-Outer_Full-75@0-Ant1-11.15-100%-0.00-11.15-PASS-≤13



1-N12-15-15-L-2-CP-256QAM-Outer_Full-79@0-Ant1-11.38-100%-0.00-11.38-PASS-≤13



1-N12-15-15-M-1-DFT-256QAM-Outer_Full-75@0-Ant1-11.06-100%-0.00-11.06-PASS-≤13



1-N12-15-15-M-2-CP-256QAM-Outer_Full-79@0-Ant1-11.33-100%-0.00-11.33-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

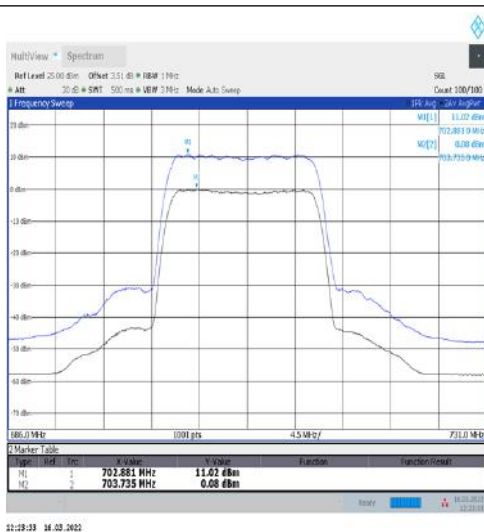
South of No. 6 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

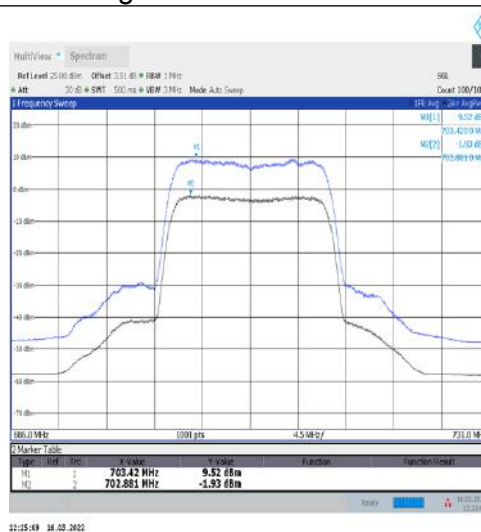
Report No.: SUZR/2022/1002202

Rev.: 01

Page: 8 of 52



1-N12-15-15-H-1-DFT-256QAM-Outer_Full-75@0-
Ant1-10.94-100%-0.00-10.94-PASS-≤13



1-N12-15-15-H-2-CP-256QAM-Outer_Full-79@0-
Ant1-11.45-100%-0.00-11.45-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-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, Ransheng 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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 9 of 52

Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	see graph	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	see graph	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	see graph	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-QPSK	M	Outer_Full	see graph	PASS
N12	15	15	CP-16QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-64QAM	M	Outer_Full	see graph	PASS
N12	15	15	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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

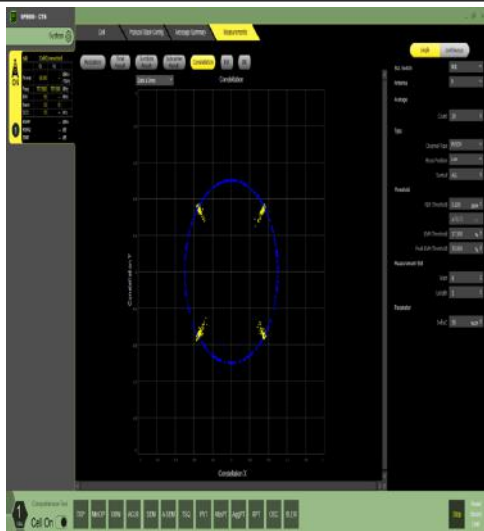
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202

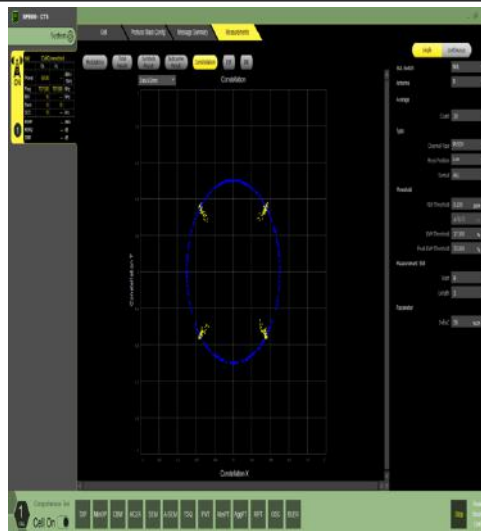
Rev.: 01

Page: 10 of 52

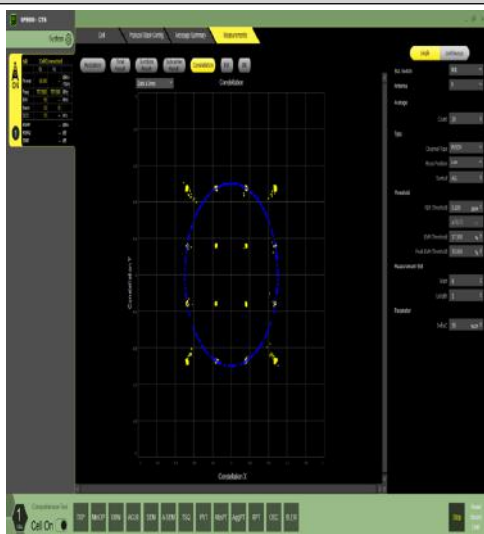
Test Graphs



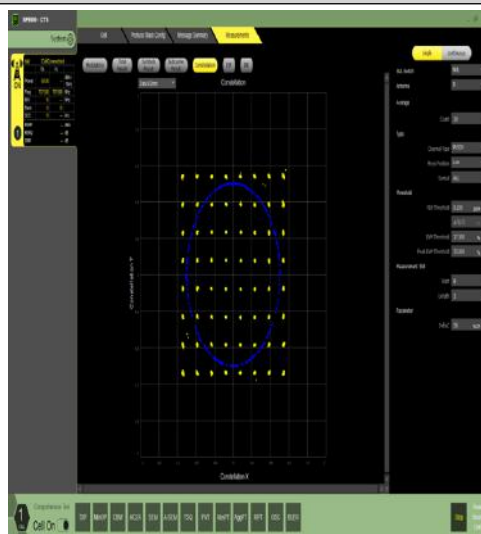
1-N12-15-15-M-1-DFT-PI2BPSK-Outer_Full-75@0-
Ant1-see graph-PASS



1-N12-15-15-M-2-DFT-QPSK-Outer_Full-75@0-
Ant1-see graph-PASS



1-N12-15-15-M-3-DFT-16QAM-Outer_Full-75@0-
Ant1-see graph-PASS



1-N12-15-15-M-4-DFT-64QAM-Outer_Full-75@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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

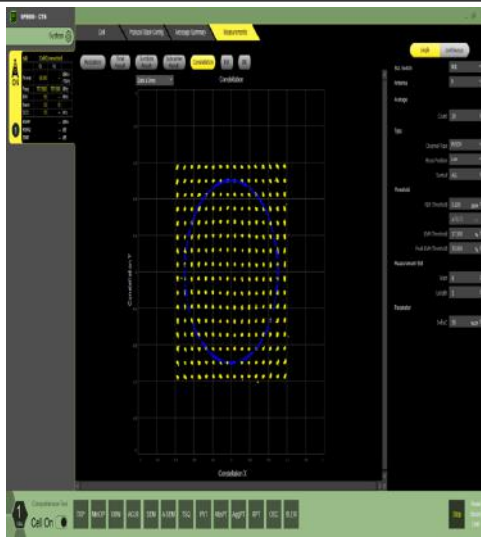
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

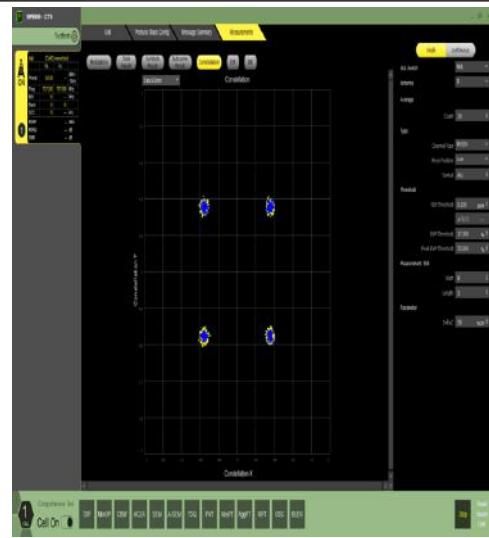
Report No.: SUZR/2022/1002202

Rev.: 01

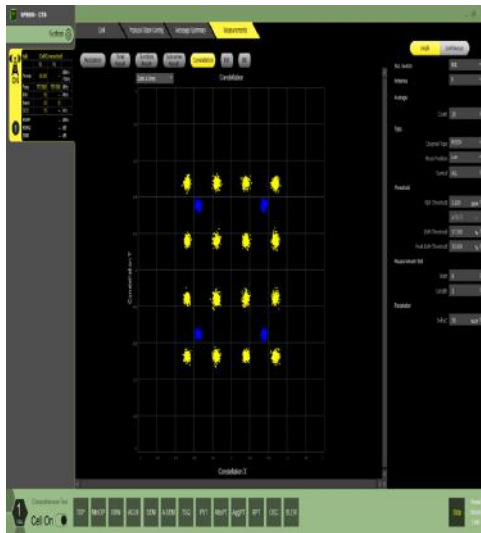
Page: 11 of 52



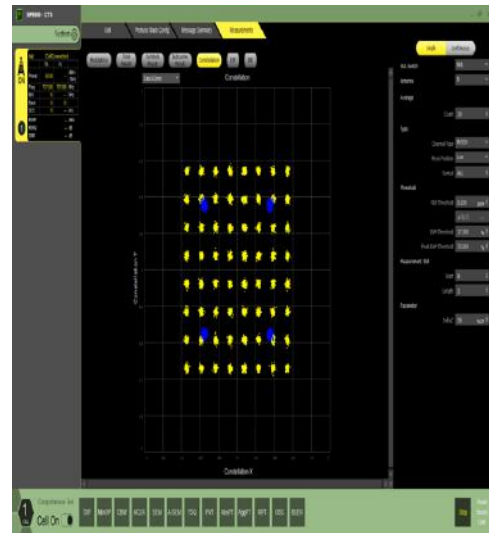
1-N12-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-see graph-PASS



1-N12-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-see graph-PASS



1-N12-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-see graph-PASS



1-N12-15-15-M-8-CP-64QAM-Outer_Full-79@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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

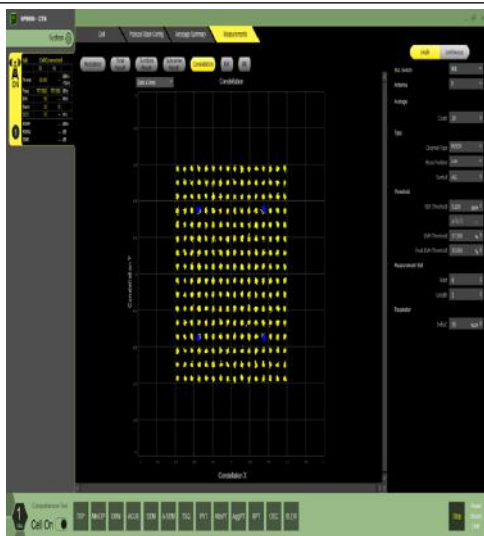
t (86-512) 62992980 www.sgsgroup.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 12 of 52



1-N12-15-15-M-9-CP-256QAM-Outer_Full-79@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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 13 of 52

26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N12	15	5	DFT-QPSK	L	Outer_Full	4.481	5.030	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	4.474	5.080	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	4.458	5.020	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	4.476	4.990	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	4.477	5.020	PASS
N12	15	5	CP-QPSK	L	Outer_Full	4.471	5.100	PASS
N12	15	5	CP-16QAM	L	Outer_Full	4.471	5.010	PASS
N12	15	5	CP-64QAM	L	Outer_Full	4.465	5.080	PASS
N12	15	5	CP-256QAM	L	Outer_Full	4.471	5.030	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	4.485	5.120	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	4.475	5.070	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	4.459	4.980	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	4.482	5.070	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	4.489	5.050	PASS
N12	15	5	CP-QPSK	M	Outer_Full	4.468	5.080	PASS
N12	15	5	CP-16QAM	M	Outer_Full	4.471	5.040	PASS
N12	15	5	CP-64QAM	M	Outer_Full	4.471	5.080	PASS
N12	15	5	CP-256QAM	M	Outer_Full	4.475	5.070	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	4.475	4.980	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	4.466	4.960	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	4.455	5.020	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	4.48	5.030	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	4.49	5.020	PASS
N12	15	5	CP-QPSK	H	Outer_Full	4.475	5.080	PASS
N12	15	5	CP-16QAM	H	Outer_Full	4.473	4.980	PASS
N12	15	5	CP-64QAM	H	Outer_Full	4.467	5.110	PASS
N12	15	5	CP-256QAM	H	Outer_Full	4.467	5.110	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	8.901	9.560	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	8.896	9.680	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	8.938	9.740	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	8.921	9.680	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	8.894	9.540	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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 14 of 52

N12	15	10	CP-QPSK	L	Outer_Full	9.279	10.020	PASS
N12	15	10	CP-16QAM	L	Outer_Full	9.263	10.100	PASS
N12	15	10	CP-64QAM	L	Outer_Full	9.274	10.000	PASS
N12	15	10	CP-256QAM	L	Outer_Full	9.263	9.980	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	8.927	9.660	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	8.912	9.660	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	8.947	9.720	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	8.938	9.620	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	8.918	9.680	PASS
N12	15	10	CP-QPSK	M	Outer_Full	9.304	10.140	PASS
N12	15	10	CP-16QAM	M	Outer_Full	9.292	10.160	PASS
N12	15	10	CP-64QAM	M	Outer_Full	9.299	10.120	PASS
N12	15	10	CP-256QAM	M	Outer_Full	9.292	10.040	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	8.926	9.760	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	8.909	9.640	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	8.936	9.680	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	8.921	9.520	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	8.913	9.620	PASS
N12	15	10	CP-QPSK	H	Outer_Full	9.289	10.080	PASS
N12	15	10	CP-16QAM	H	Outer_Full	9.28	10.060	PASS
N12	15	10	CP-64QAM	H	Outer_Full	9.32	10.200	PASS
N12	15	10	CP-256QAM	H	Outer_Full	9.278	9.940	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	13.446	14.490	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	13.409	14.460	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	13.417	14.370	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	13.406	14.490	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	13.457	14.490	PASS
N12	15	15	CP-QPSK	L	Outer_Full	14.116	15.150	PASS
N12	15	15	CP-16QAM	L	Outer_Full	14.086	15.180	PASS
N12	15	15	CP-64QAM	L	Outer_Full	14.069	15.150	PASS
N12	15	15	CP-256QAM	L	Outer_Full	14.106	15.240	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	13.443	14.340	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	13.414	14.490	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	13.426	14.490	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	13.41	14.400	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	13.45	14.490	PASS
N12	15	15	CP-QPSK	M	Outer_Full	14.129	15.210	PASS
N12	15	15	CP-16QAM	M	Outer_Full	14.084	15.210	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, Ransheng 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) 62982980 www.sgs.com.cn
t (86-512) 62982980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 15 of 52

N12	15	15	CP-64QAM	M	Outer_Full	14.077	15.060	PASS
N12	15	15	CP-256QAM	M	Outer_Full	14.099	15.210	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	13.451	14.400	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	13.403	14.460	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	13.416	14.400	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	13.422	14.460	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	13.455	14.460	PASS
N12	15	15	CP-QPSK	H	Outer_Full	14.123	15.210	PASS
N12	15	15	CP-16QAM	H	Outer_Full	14.066	15.120	PASS
N12	15	15	CP-64QAM	H	Outer_Full	14.067	15.120	PASS
N12	15	15	CP-256QAM	H	Outer_Full	14.094	15.150	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.

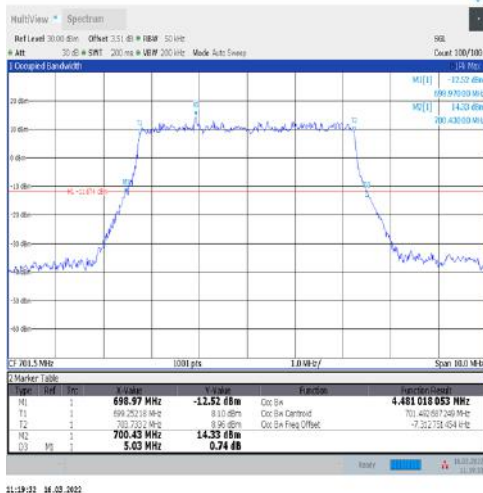
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

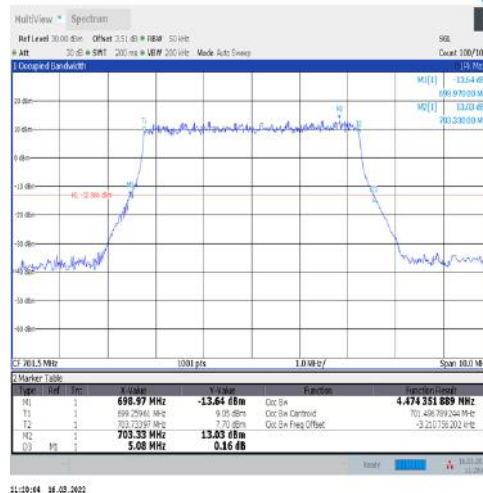
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202
Rev.: 01
Page: 16 of 52

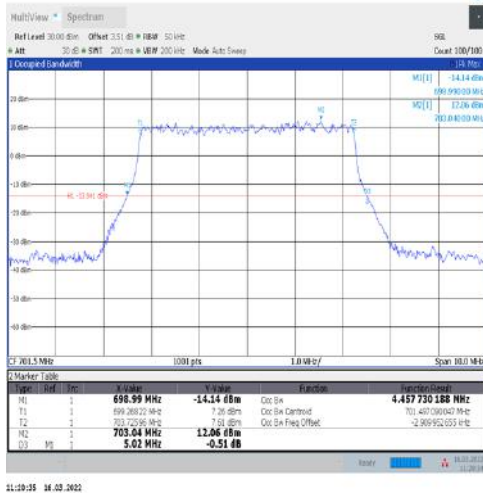
Test Graphs



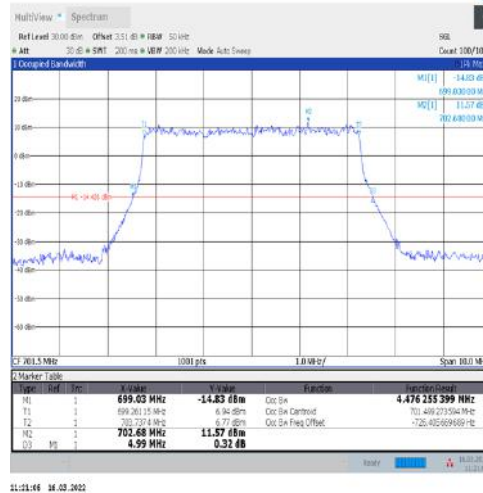
1-N12-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-
4.481-5.030-≤5-PASS



1-N12-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.474-5.080-≤5-PASS



1-N12-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-
4.458-5.020-≤5-PASS



1-N12-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.476-4.990-≤5-PASS



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

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

South of No. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

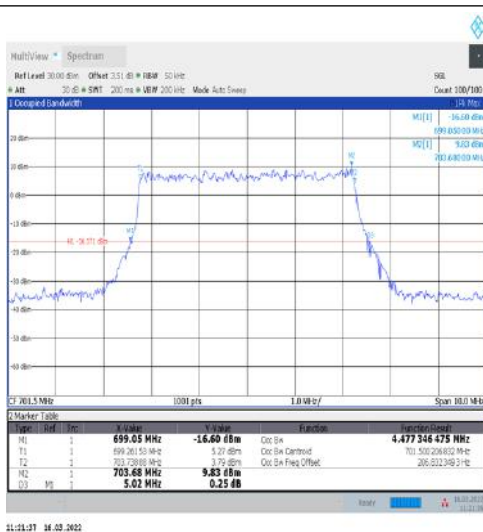
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

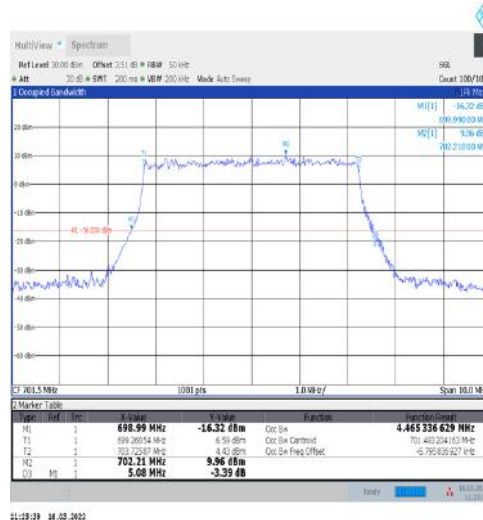
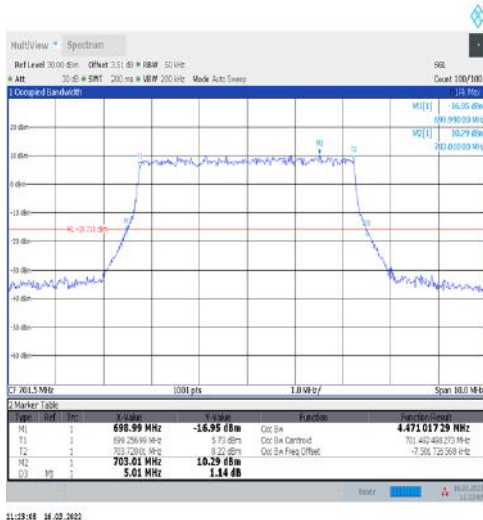
Rev.: 01

Page: 17 of 52



1-N12-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.477-5.020-≤5-PASS

1-N12-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.471-5.100-≤5-PASS



1-N12-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.471-5.010-≤5-PASS

1-N12-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.465-5.080-≤5-PASS



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

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

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

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

Member of the SGS Group (SGS SA)

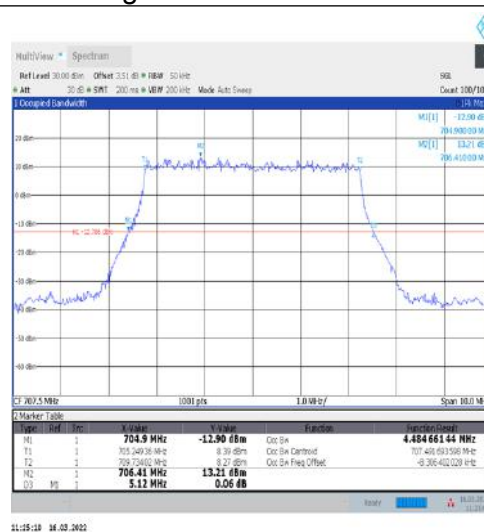
Report No.: SUZR/2022/1002202

Rev.: 01

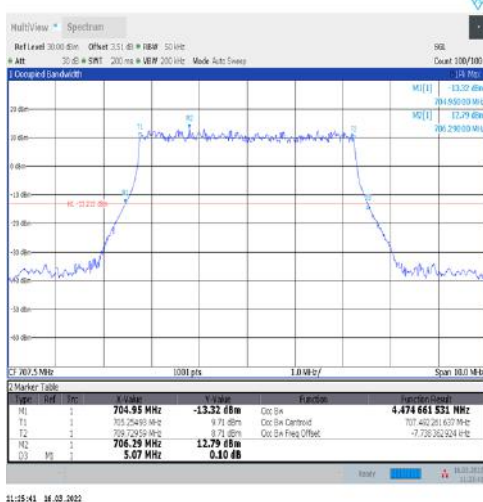
Page: 18 of 52



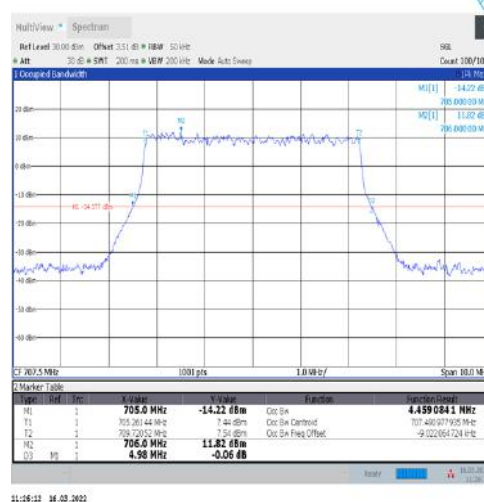
1-N12-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.471-5.030-≤5-PASS



1-N12-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.485-5.120-≤5-PASS



1-N12-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.475-5.070-≤5-PASS



1-N12-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.459-4.980-≤5-PASS



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

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

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

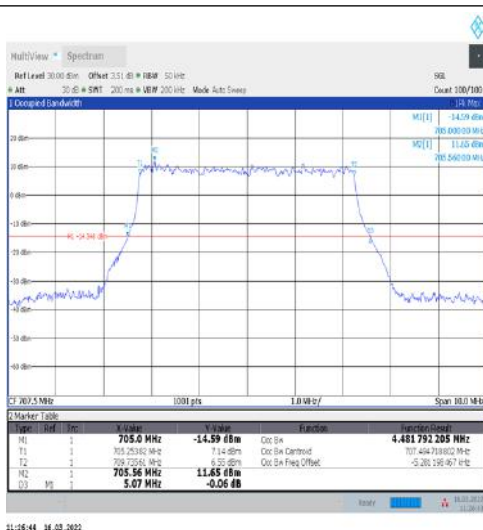
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

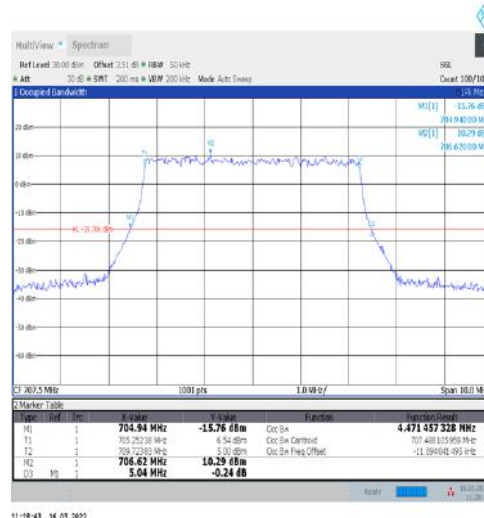
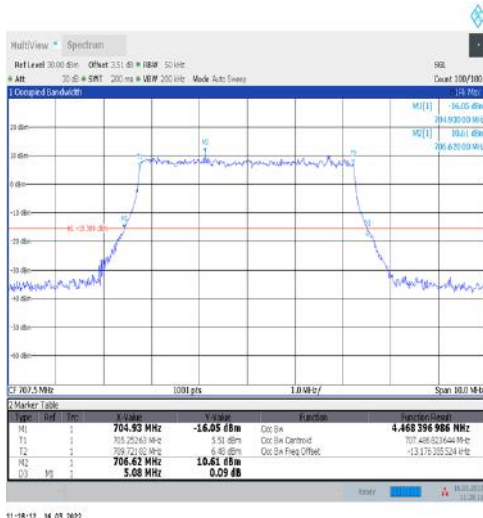
Rev.: 01

Page: 19 of 52



1-N12-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.482-5.070-≤5-PASS

1-N12-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.489-5.050-≤5-PASS



1-N12-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.468-5.080-≤5-PASS

1-N12-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.471-5.040-≤5-PASS



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

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

South of No. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

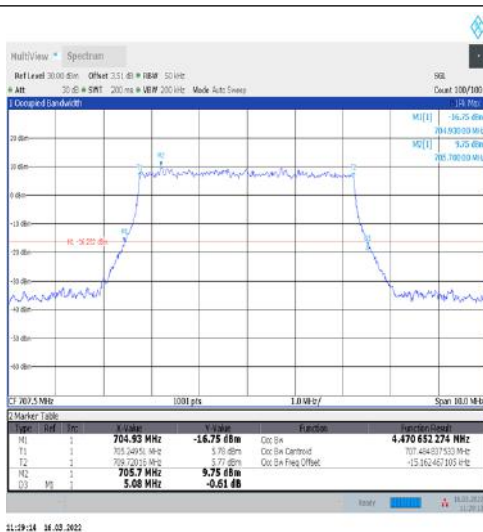
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

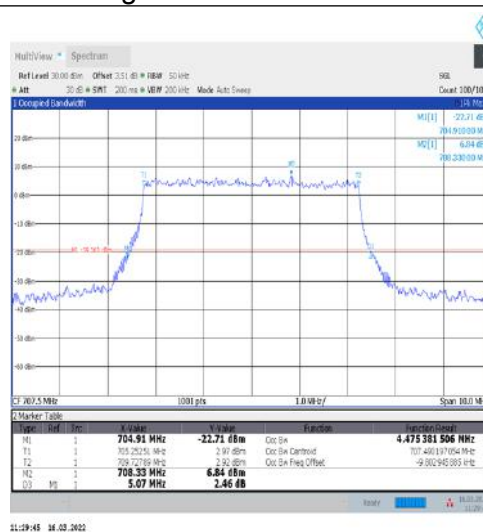
Report No.: SUZR/2022/1002202

Rev.: 01

Page: 20 of 52



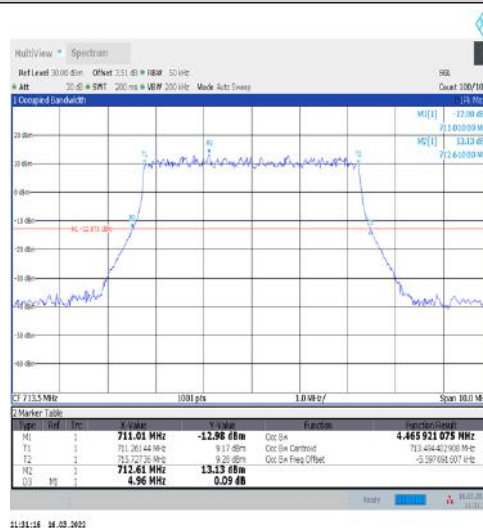
1-N12-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.471-5.080-≤5-PASS



1-N12-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.475-5.070-≤5-PASS



1-N12-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.475-4.980-≤5-PASS



1-N12-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.466-4.960-≤5-PASS



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

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

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

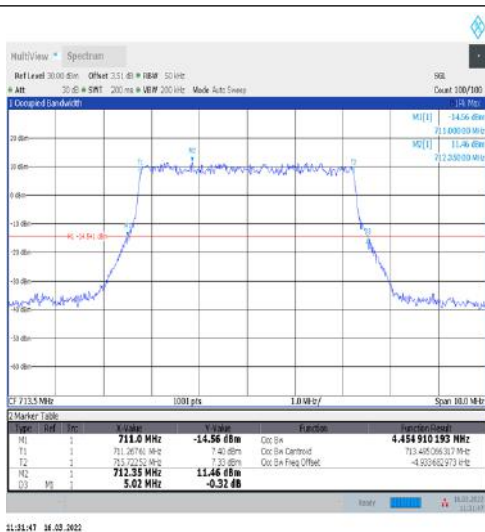
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

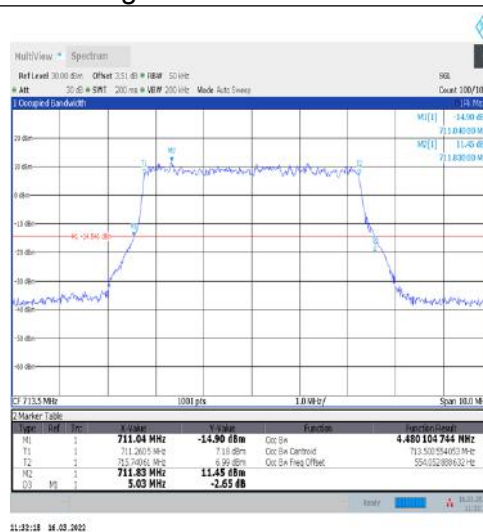
Report No.: SUZR/2022/1002202

Rev.: 01

Page: 21 of 52



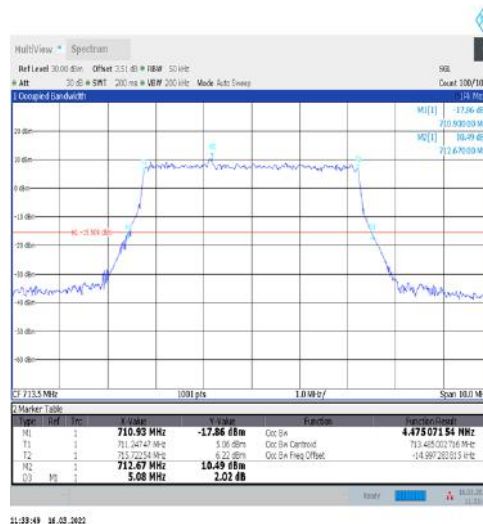
1-N12-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.455-5.020-≤5-PASS



1-N12-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.48-5.030-≤5-PASS



1-N12-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.49-5.020-≤5-PASS



1-N12-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.475-5.080-≤5-PASS



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

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

South of No. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

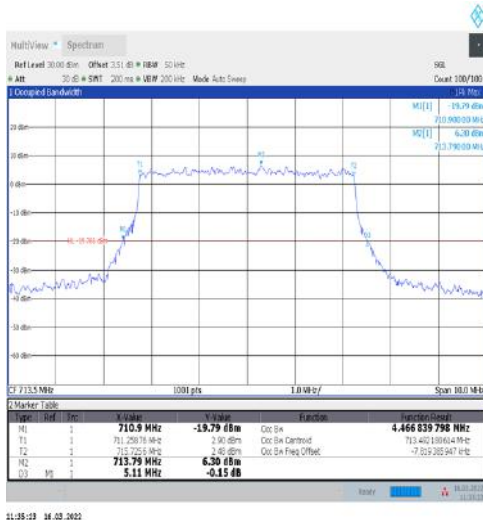
Page: 22 of 52



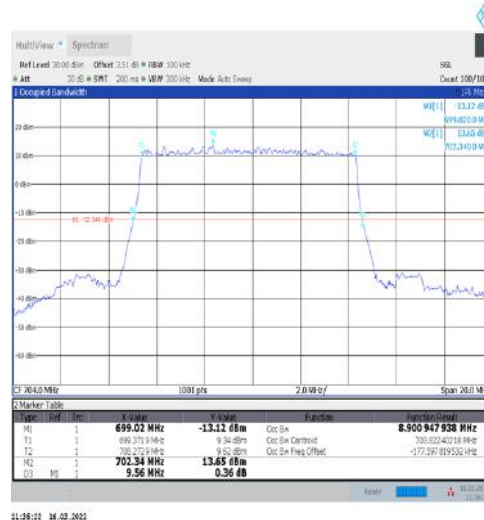
1-N12-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.473-4.980-≤5-PASS



1-N12-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.467-5.110-≤5-PASS



1-N12-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.467-5.110-≤5-PASS



1-N12-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.901-9.560-≤10-PASS



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

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

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

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

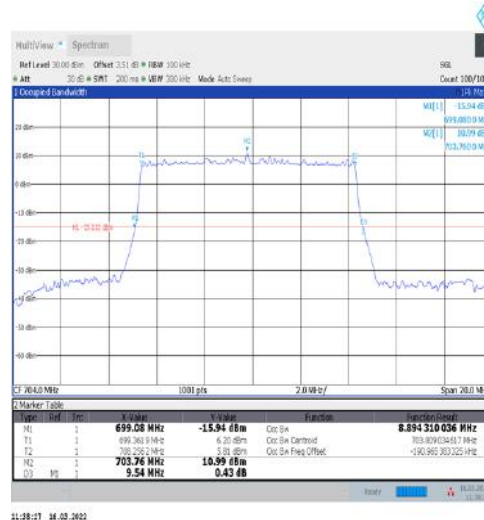
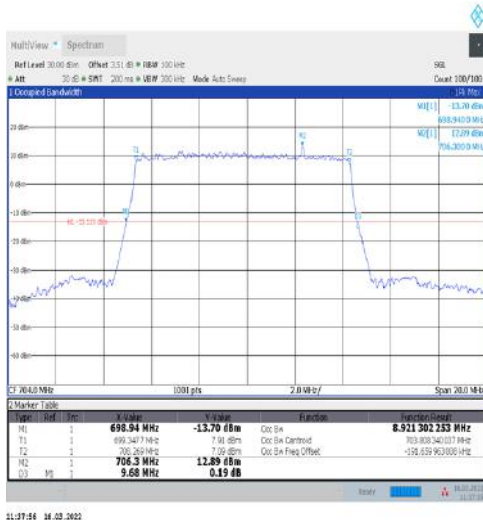
Rev.: 01

Page: 23 of 52



1-N12-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.896-9.680-≤10-PASS

1-N12-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.938-9.740-≤10-PASS



1-N12-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.921-9.680-≤10-PASS

1-N12-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.894-9.540-≤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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

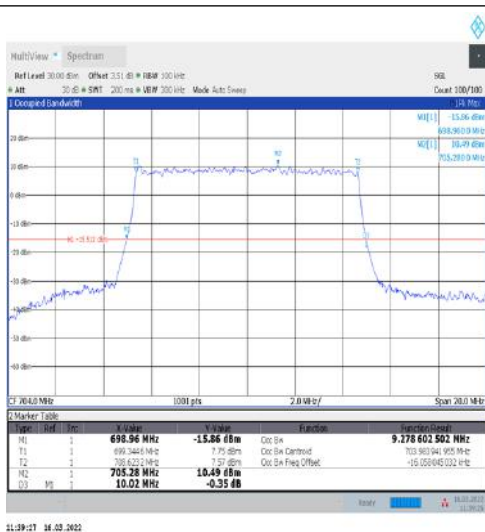
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

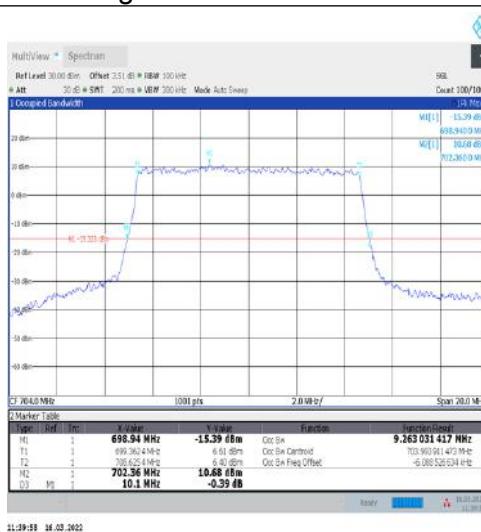
Report No.: SUZR/2022/1002202

Rev.: 01

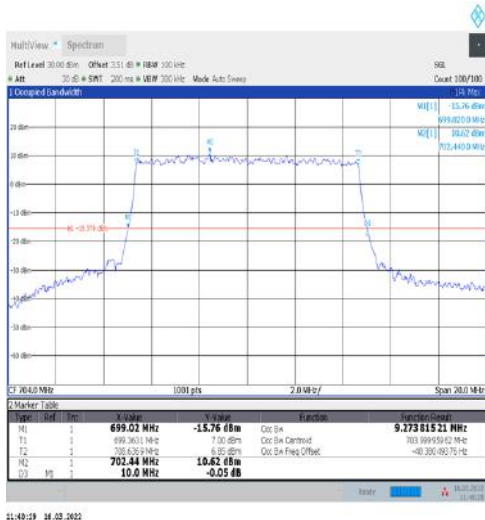
Page: 24 of 52



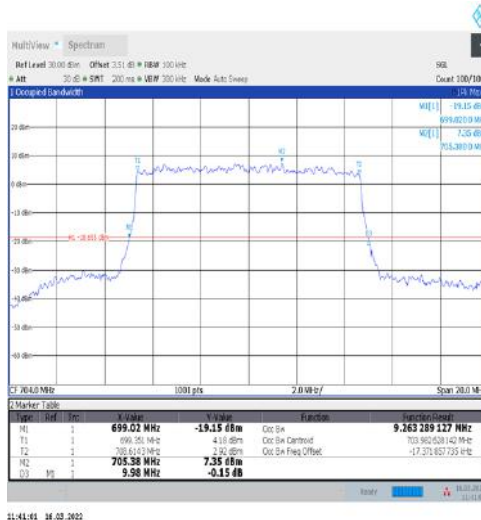
1-N12-15-10-L-6-CP-QPSK-Outet_Full-52@0-Ant1-9.279-10.020-≤10-PASS



1-N12-15-10-L-7-CP-16QAM-Outet_Full-52@0-Ant1-9.263-10.100-≤10-PASS



1-N12-15-10-L-8-CP-64QAM-Outet_Full-52@0-Ant1-9.274-10.000-≤10-PASS



1-N12-15-10-L-9-CP-256QAM-Outet_Full-52@0-Ant1-9.263-9.980-≤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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

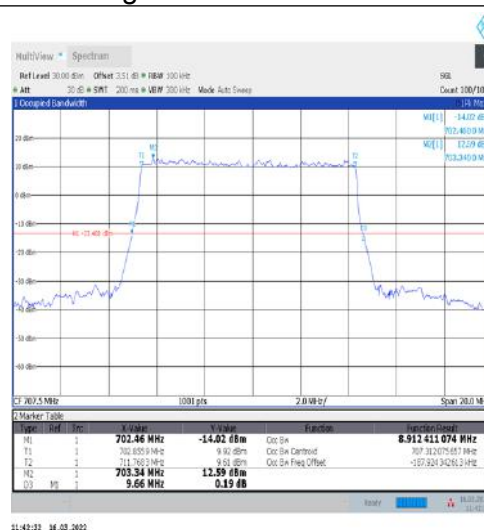
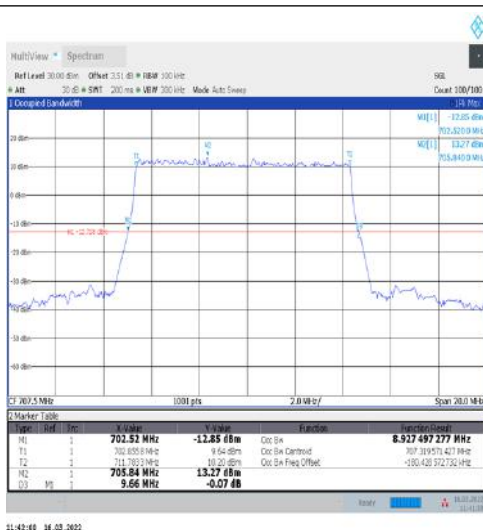
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

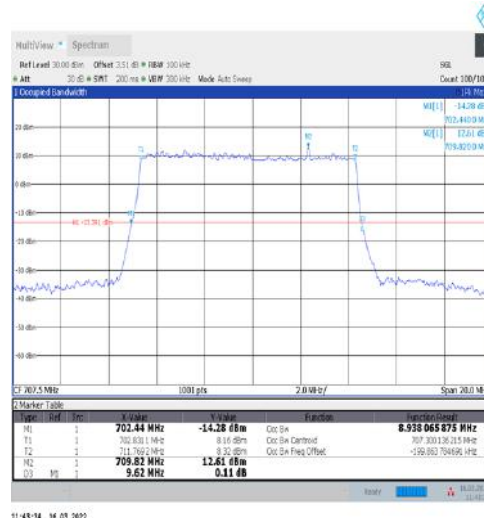
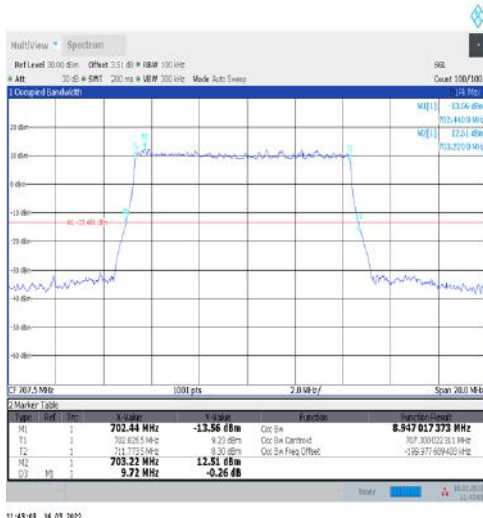
Rev.: 01

Page: 25 of 52



1-N12-15-10-M-1-DFT-QPSK-Outter_Full-50@0-Ant1-8.927-9.660-≤10-PASS

1-N12-15-10-M-2-DFT-PI2BPSK-Outter_Full-50@0-Ant1-8.912-9.660-≤10-PASS



1-N12-15-10-M-3-DFT-16QAM-Outter_Full-50@0-Ant1-8.947-9.720-≤10-PASS

1-N12-15-10-M-4-DFT-64QAM-Outter_Full-50@0-Ant1-8.938-9.620-≤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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

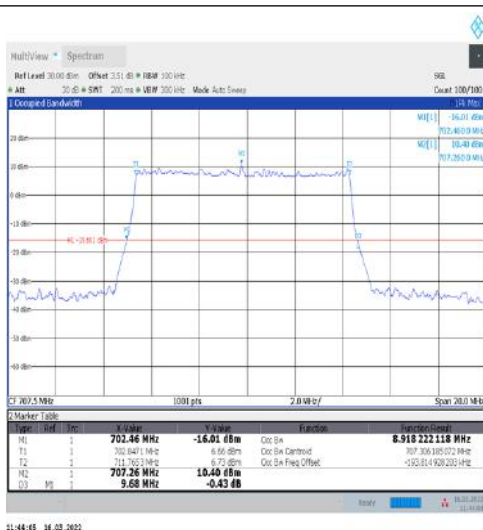
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

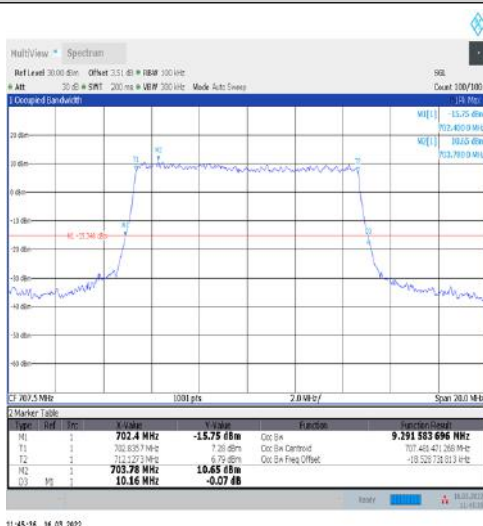
Rev.: 01

Page: 26 of 52



1-N12-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.918-9.680-≤10-PASS

1-N12-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.304-10.140-≤10-PASS



1-N12-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.292-10.160-≤10-PASS

1-N12-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.299-10.120-≤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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

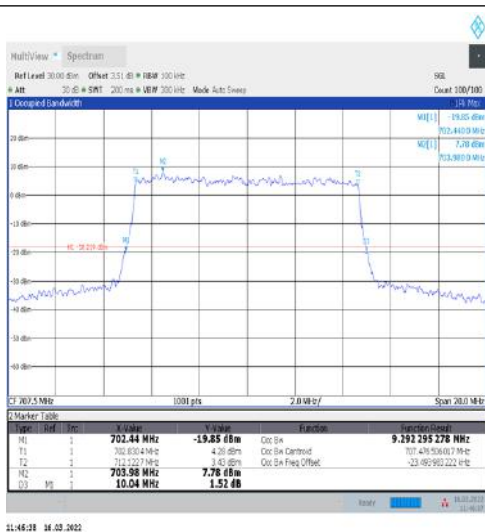
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 27 of 52



1-N12-15-10-M-9-CP-256QAM-Outer_Full-52@0-
Ant1-9.292-10.040-≤10-PASS

1-N12-15-10-H-1-DFT-QPSK-Outer_Full-50@0-
Ant1-8.926-9.760-≤10-PASS



1-N12-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-
Ant1-8.909-9.640-≤10-PASS

1-N12-15-10-H-3-DFT-16QAM-Outer_Full-50@0-
Ant1-8.936-9.680-≤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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

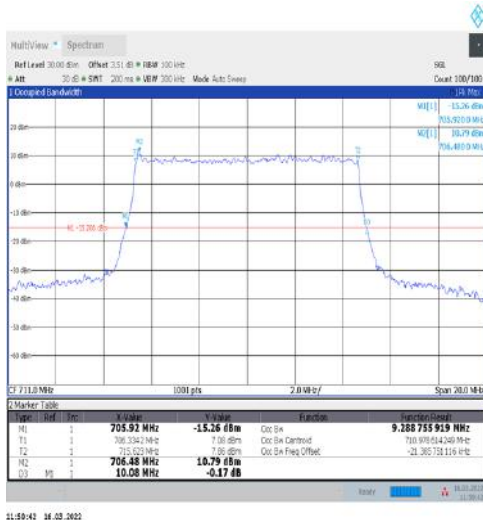
Rev.: 01

Page: 28 of 52



1-N12-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.921-9.520-≤10-PASS

1-N12-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.913-9.620-≤10-PASS



1-N12-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.289-10.080-≤10-PASS

1-N12-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.28-10.060-≤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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

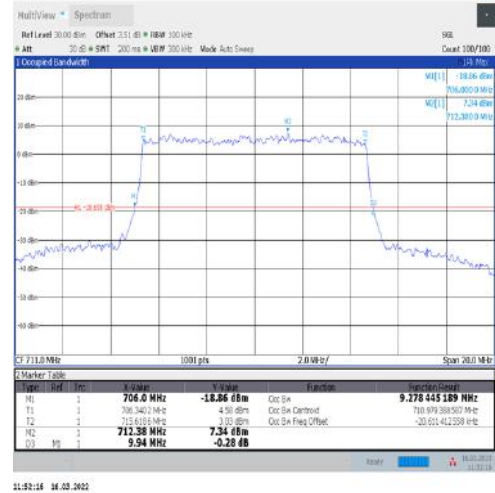
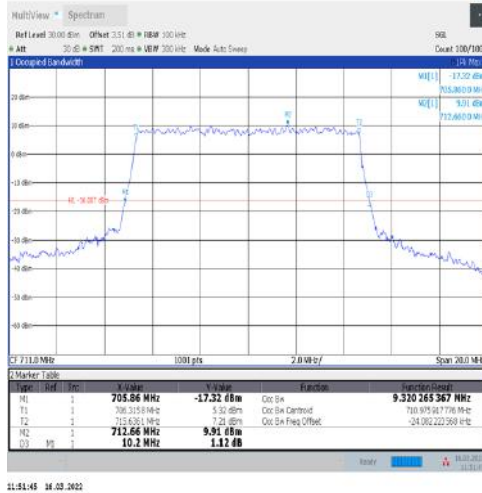
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

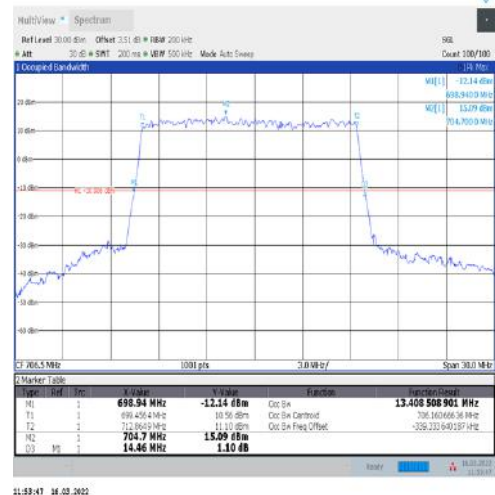
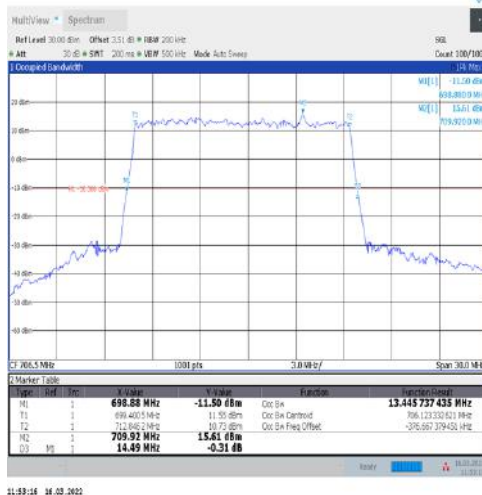
Rev.: 01

Page: 29 of 52



1-N12-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.32-10.200-≤10-PASS

1-N12-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.278-9.940-≤10-PASS



1-N12-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.446-14.490-≤15-PASS

1-N12-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.409-14.460-≤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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 30 of 52



1-N12-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.417-14.370-≤15-PASS

1-N12-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.406-14.490-≤15-PASS



1-N12-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.457-14.490-≤15-PASS

1-N12-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.116-15.150-≤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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 31 of 52



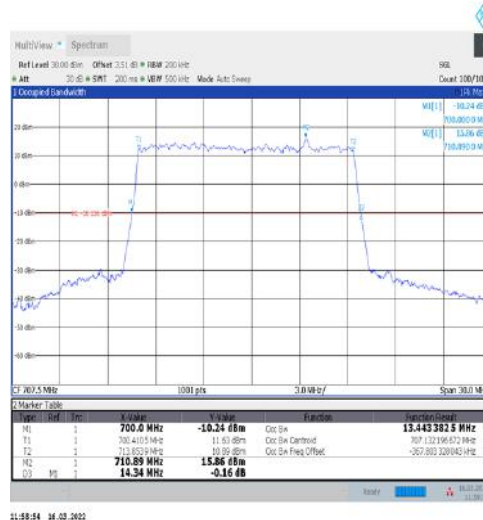
1-N12-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.086-15.180-≤15-PASS



1-N12-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.069-15.150-≤15-PASS



1-N12-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.106-15.240-≤15-PASS



1-N12-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.443-14.340-≤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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

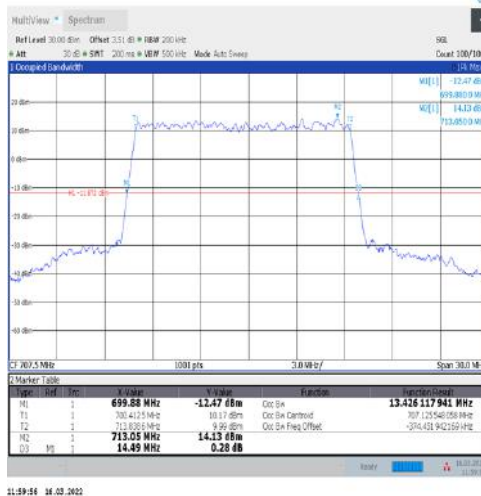
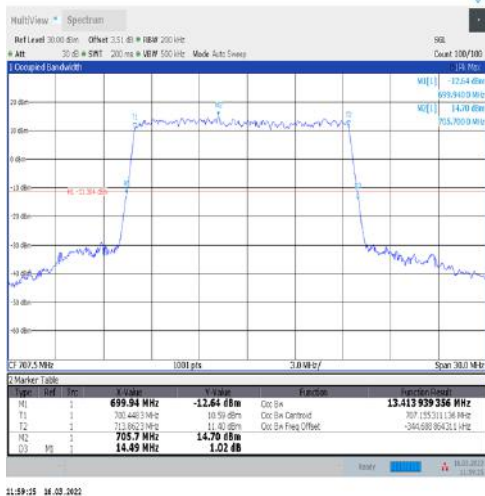
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

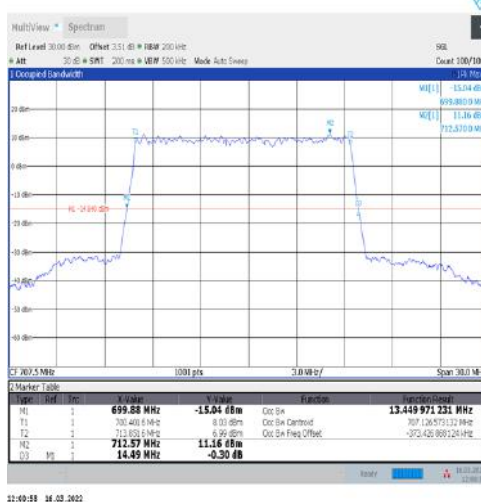
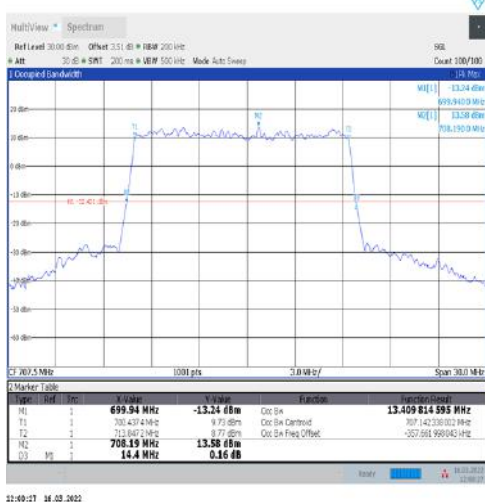
Rev.: 01

Page: 32 of 52



1-N12-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.414-14.490-≤15-PASS

1-N12-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.426-14.490-≤15-PASS



1-N12-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.41-14.400-≤15-PASS

1-N12-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.45-14.490-≤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.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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

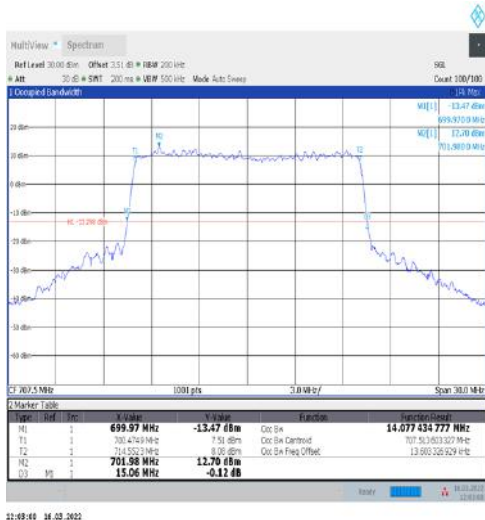
Page: 33 of 52



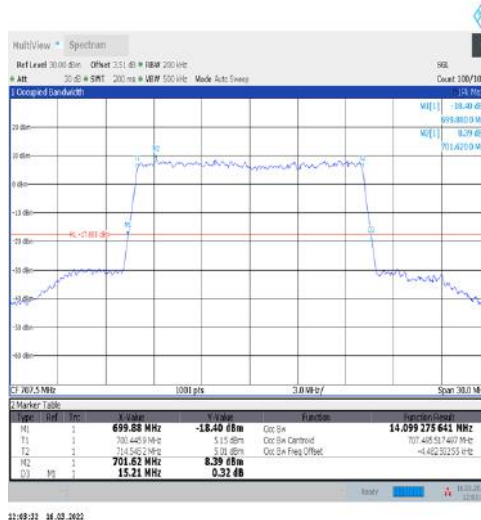
1-N12-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.129-15.210-≤15-PASS



1-N12-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.084-15.210-≤15-PASS



1-N12-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.077-15.060-≤15-PASS



1-N12-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.099-15.210-≤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. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

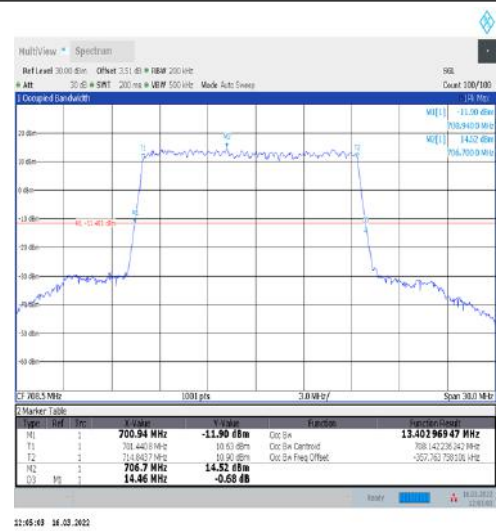
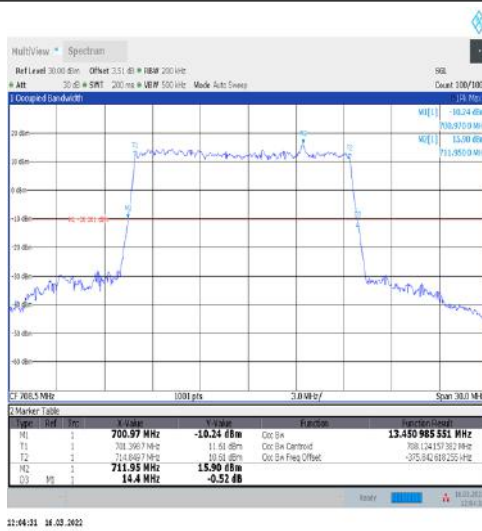
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

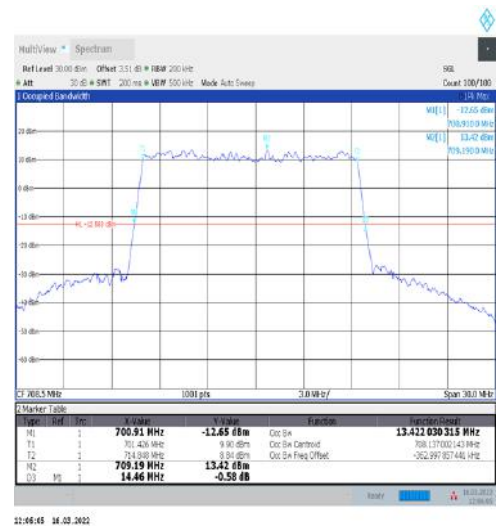
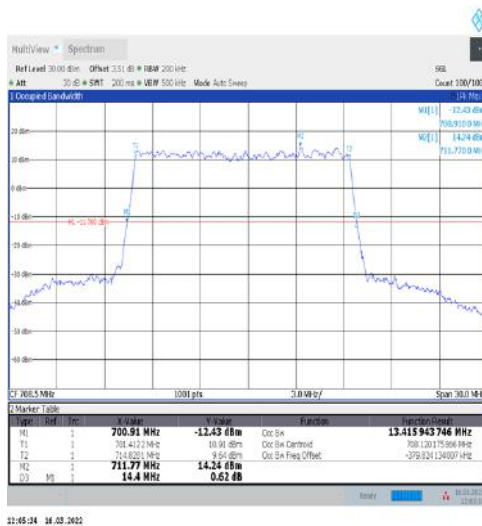
Rev.: 01

Page: 34 of 52



1-N12-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.451-14.400-≤15-PASS

1-N12-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.403-14.460-≤15-PASS



1-N12-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.416-14.400-≤15-PASS

1-N12-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.422-14.460-≤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-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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

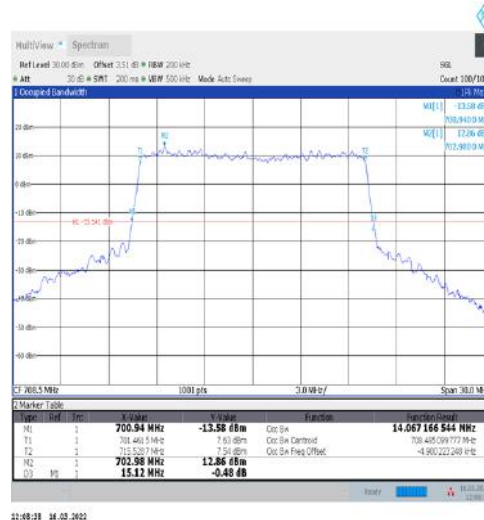
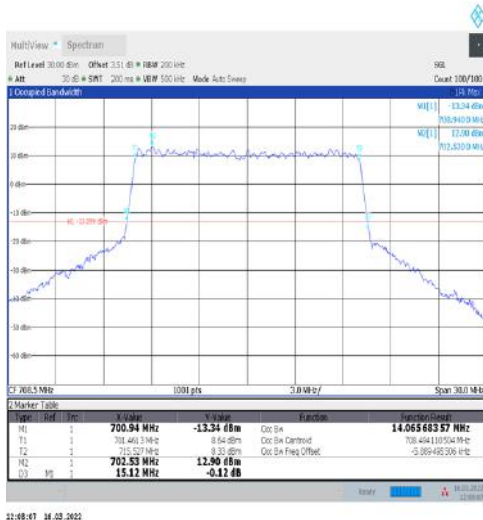
Rev.: 01

Page: 35 of 52



1-N12-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.455-14.460-≤15-PASS

1-N12-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.123-15.210-≤15-PASS



1-N12-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1-14.066-15.120-≤15-PASS

1-N12-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.067-15.120-≤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. 8 Plant, No. 1, Ransheng 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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 36 of 52



1-N12-15-15-H-9-CP-256QAM-Outer_Full-79@0-
Ant1-14.094-15.150-≤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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

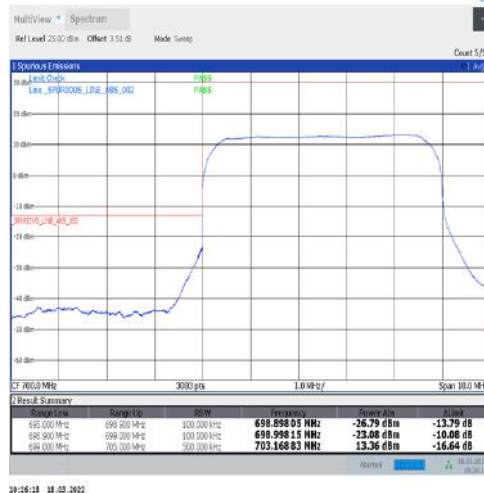
Report No.: SUZR/2022/1002202
Rev.: 01
Page: 37 of 52

Band Edge for SA

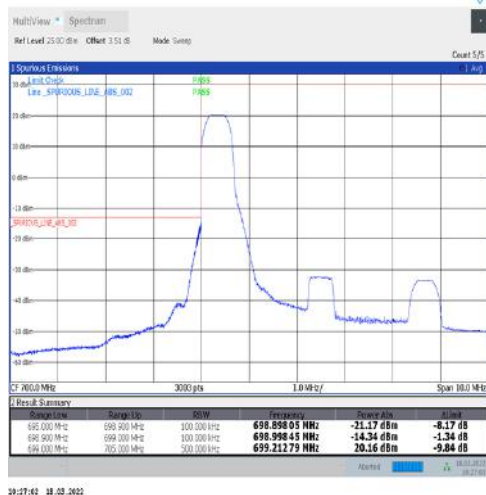
Test Graphs



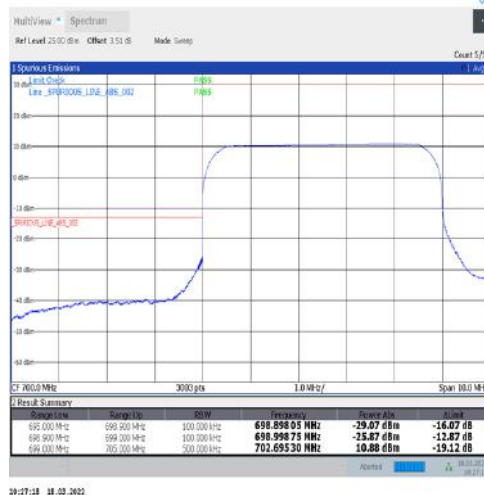
1-N12-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N12-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-PASS-see graph



1-N12-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N12-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-PASS-see graph



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

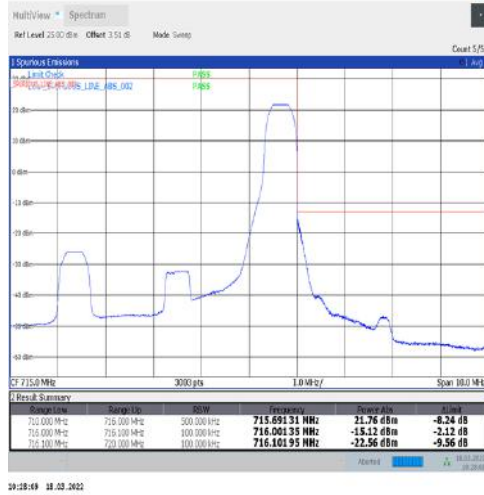
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Ransheng 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

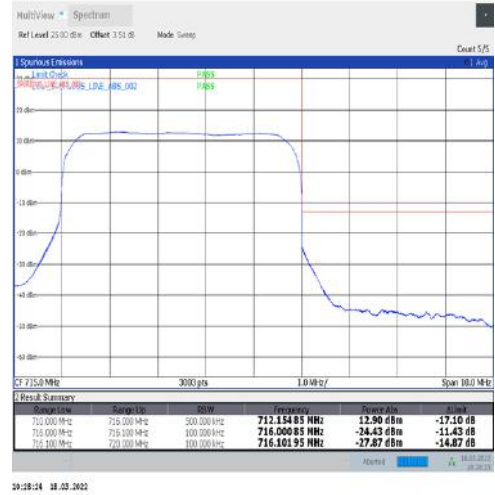
Report No.: SUZR/2022/1002202

Rev.: 01

Page: 38 of 52



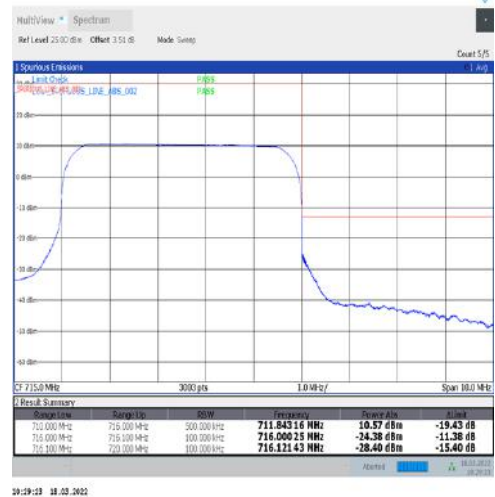
1-N12-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-PASS-see graph



1-N12-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-PASS-see graph



1-N12-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-PASS-see graph



1-N12-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-PASS-see graph



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

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

South of No. 8 Plant, No. 1, Ransheng 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

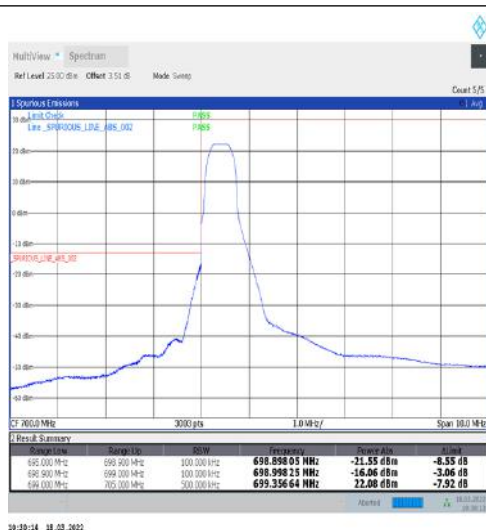
t (86-512) 62982980 www.sgs.com.cn
t (86-512) 62982980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

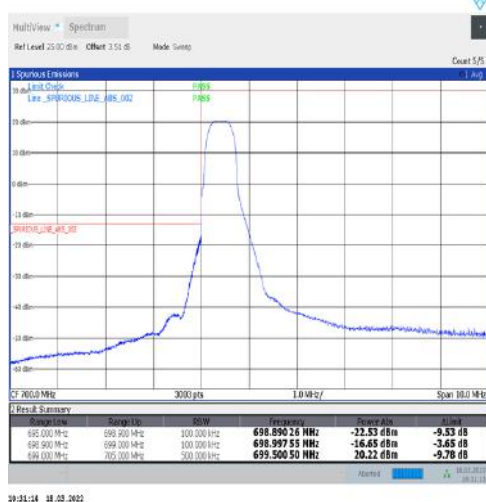
Page: 39 of 52



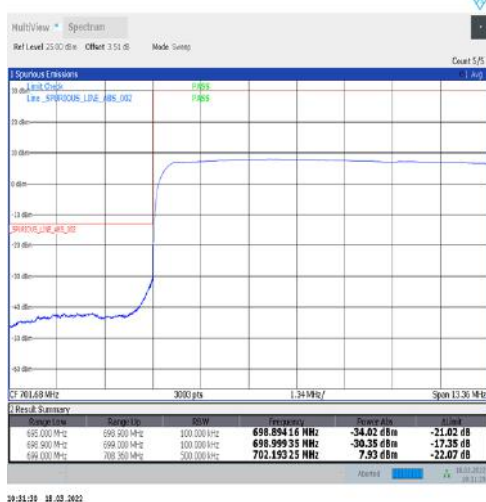
1-N12-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N12-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



1-N12-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N12-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph



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

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

South of No. 8 Plant, No. 1, Ransheng 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) 62982980 www.sgs.com.cn
t (86-512) 62982980 sgs.china@sgs.com

Report No.: SUZR/2022/1002202

Rev.: 01

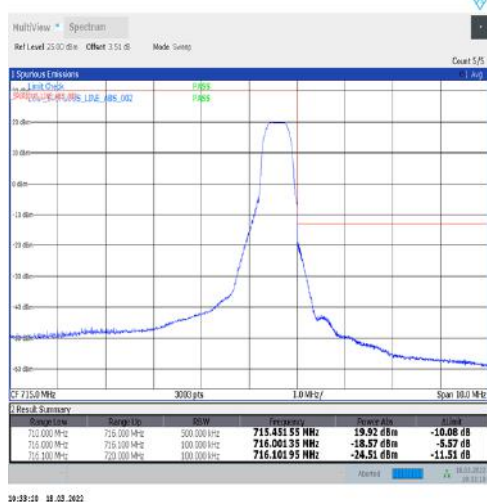
Page: 40 of 52



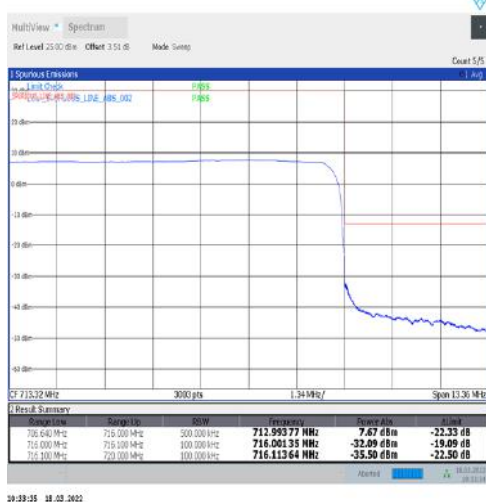
1-N12-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-PASS-see graph



1-N12-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



1-N12-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-PASS-see graph



1-N12-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph



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

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

South of No. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

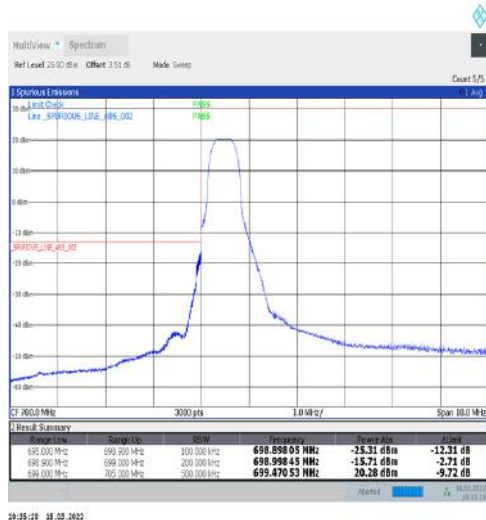
Page: 41 of 52



1-N12-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N12-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-PASS-see graph



1-N12-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N12-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-PASS-see graph



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

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

South of No. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

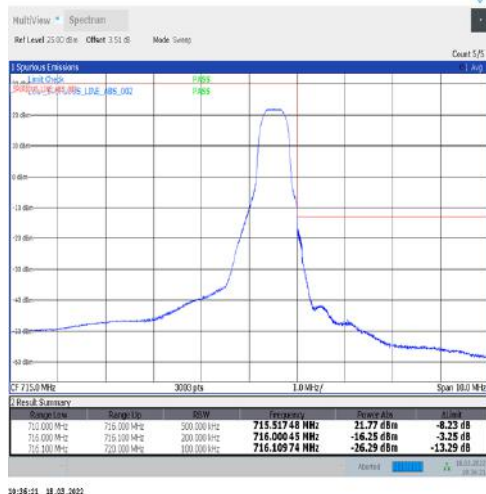
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

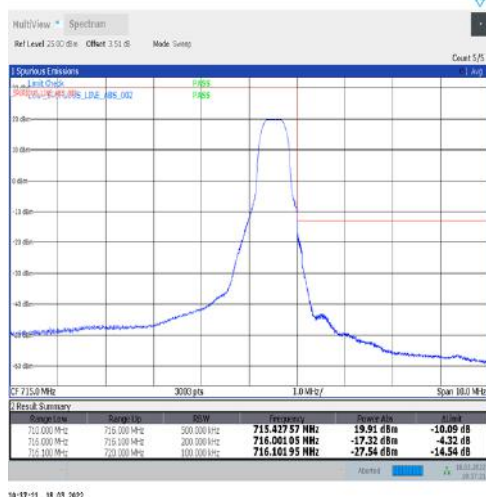
Page: 42 of 52



1-N12-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-PASS-see graph



1-N12-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-PASS-see graph



1-N12-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-PASS-see graph



1-N12-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-PASS-see graph



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

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

South of No. 8 Plant, No. 1, Ransheng 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

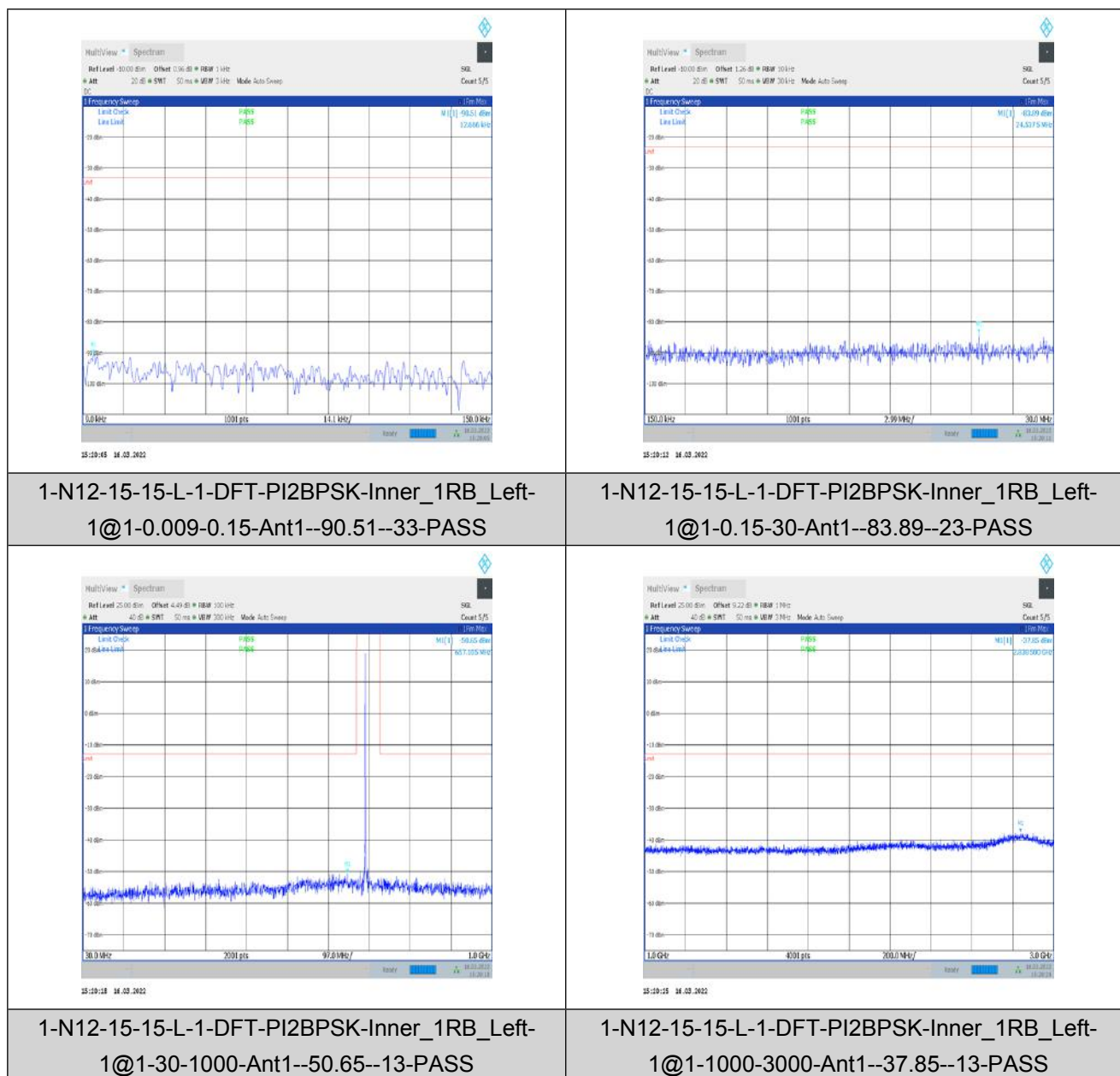
t (86-512) 62982980 www.sgs.com.cn
t (86-512) 62982980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202
Rev.: 01
Page: 43 of 52

Conducted Spurious Emission for SA

Test Graphs



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

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

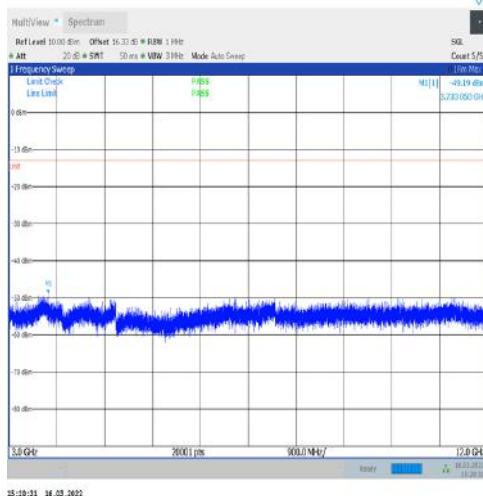
South of No. 8 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

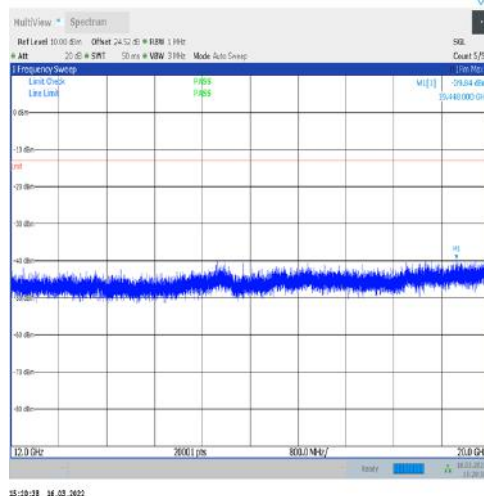
Report No.: SUZR/2022/1002202

Rev.: 01

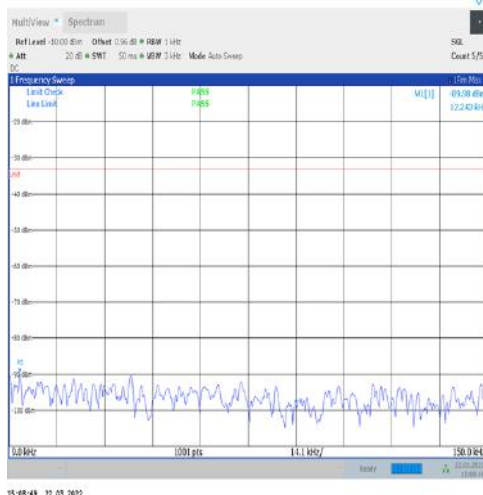
Page: 44 of 52



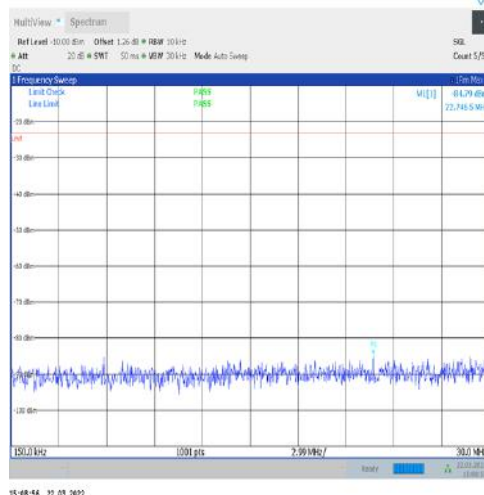
1-N12-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--49.19--13-PASS



1-N12-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--39.84--13-PASS



1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--89.98--33-PASS



1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--84.79--23-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

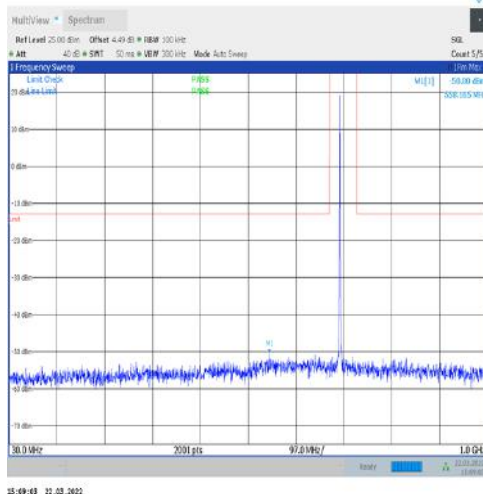
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

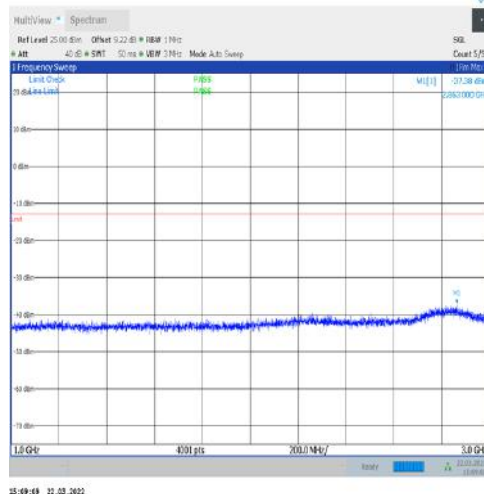
Report No.: SUZR/2022/1002202

Rev.: 01

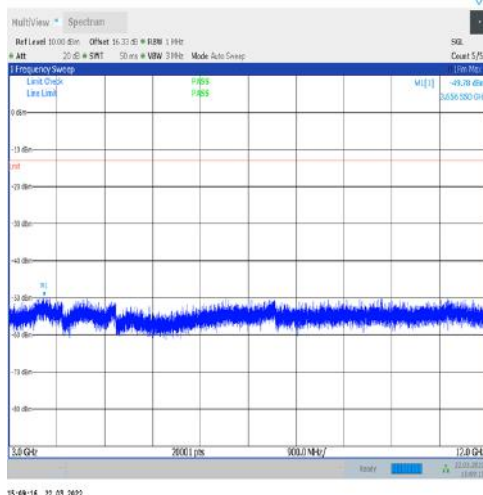
Page: 45 of 52



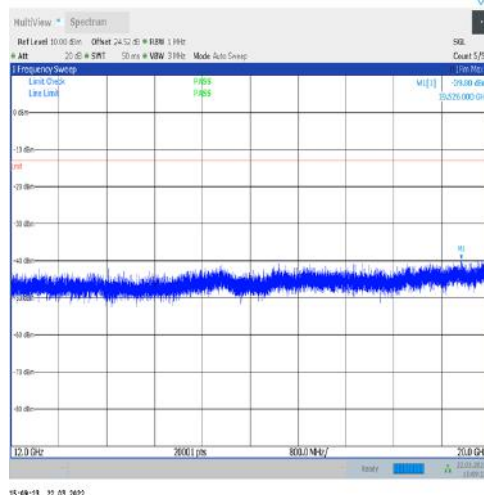
1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--50.80--13-PASS



1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--37.38--13-PASS



1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--49.78--13-PASS



1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--39.80--13-PASS



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

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

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

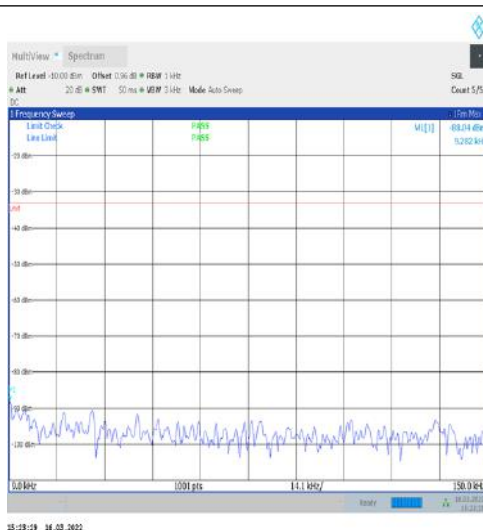
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

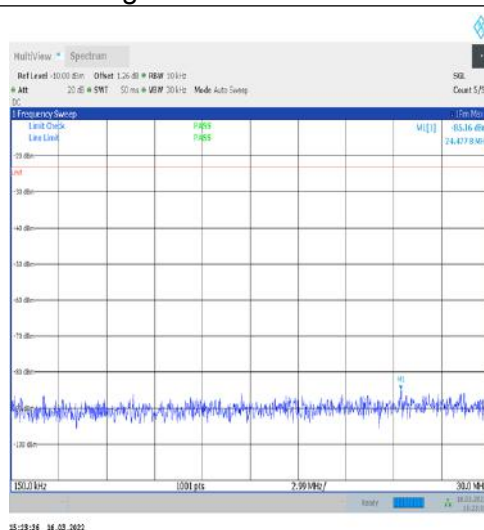
Report No.: SUZR/2022/1002202

Rev.: 01

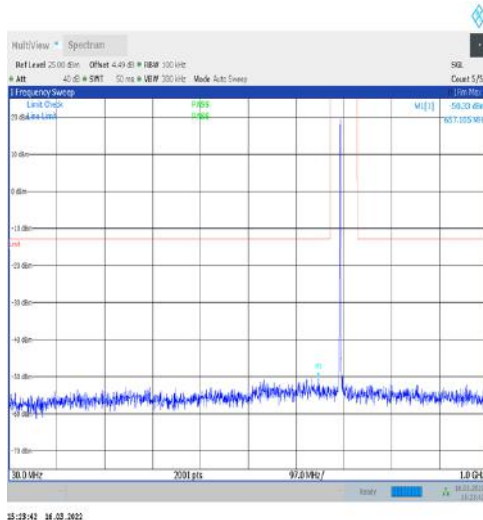
Page: 46 of 52



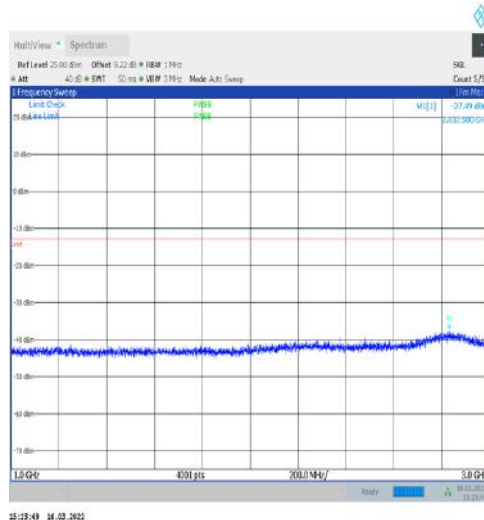
1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--88.04--33-PASS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--85.16--23-PASS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--50.33--13-PASS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--37.49--13-PASS



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

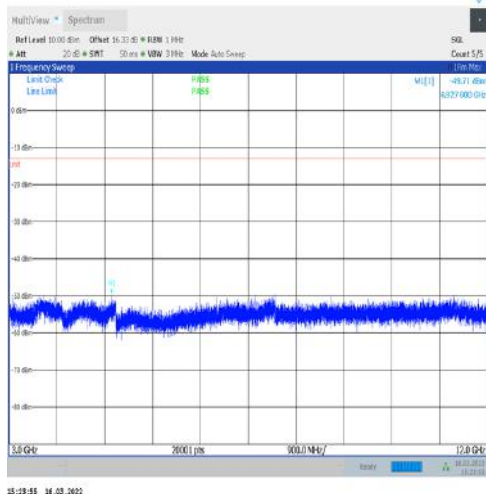
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

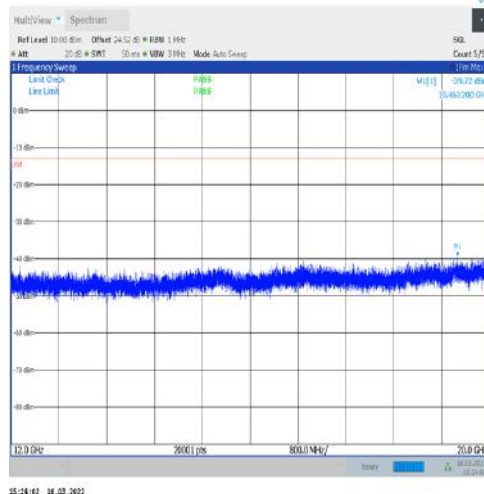
Report No.: SUZR/2022/1002202

Rev.: 01

Page: 47 of 52



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--49.71--13-PASS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--39.72--13-PASS



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

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

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

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

Member of the SGS Group (SGS SA)

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 48 of 52

Field Strength of Spurious Radiation**Test Band = SA n12_ TM1****Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1402.6667	78.88	-118.58	-39.70	-13.00	26.70	263	270	Horizontal
2	2105.7778	78.63	-116.02	-37.39	-13.00	24.39	214	130	Horizontal
3	2814.6667	57.83	-112.99	-55.16	-13.00	42.16	196	281	Horizontal
4	3499.2	49.31	-111.91	-62.60	-13.00	49.60	364	153	Horizontal
5	4199.04	48.37	-109.45	-61.08	-13.00	48.08	175	200	Horizontal
6	4898.88	50.00	-108.05	-58.05	-13.00	45.05	265	37	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.111	65.39	-118.58	-53.19	-13.00	40.19	261	27	Vertical
2	2099.52	52.43	-116.04	-63.61	-13.00	50.61	175	2	Vertical
3	2799.36	51.18	-113.02	-61.84	-13.00	48.84	264	129	Vertical
4	3499.2	50.92	-111.91	-60.99	-13.00	47.99	177	300	Vertical
5	4199.04	48.56	-109.45	-60.89	-13.00	47.89	126	38	Vertical
6	4898.88	51.57	-108.05	-56.48	-13.00	43.48	324	1	Vertical



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

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

South of No. 8 Plant, No. 1, Ransheng 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6号厂房南楼 邮编: 215000

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 49 of 52

Test Band = SA n12_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1401.3333	92.83	-118.59	-25.76	-13.00	12.76	261	47	Horizontal
2	2101.7778	85.47	-116.03	-30.56	-13.00	17.56	142	265	Horizontal
3	2801.7778	66.73	-113.02	-46.29	-13.00	33.29	185	151	Horizontal
4	3502.2222	55.97	-111.90	-55.93	-13.00	42.93	264	323	Horizontal
5	4202.2222	54.33	-109.45	-55.12	-13.00	42.12	175	220	Horizontal
6	4905.88	49.83	-108.03	-58.20	-13.00	45.20	268	220	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1400.8889	78.40	-118.59	-40.19	-13.00	27.19	362	357	Vertical
2	2101.3333	72.89	-116.04	-43.15	-13.00	30.15	141	323	Vertical
3	2802.2222	61.61	-113.02	-51.41	-13.00	38.41	185	70	Vertical
4	3502.6667	56.20	-111.90	-55.70	-13.00	42.70	264	195	Vertical
5	4205.04	48.40	-109.44	-61.04	-13.00	48.04	174	219	Vertical
6	4905.88	52.02	-108.03	-56.01	-13.00	43.01	158	6	Vertical



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

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

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

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 50 of 52

Test Band = SA n12_ TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1402.6667	89.60	-118.58	-28.98	-13.00	15.98	261	338	Horizontal
2	2104.4444	77.55	-116.02	-38.47	-13.00	25.47	175	270	Horizontal
3	2805.3333	66.25	-113.01	-46.76	-13.00	33.76	268	222	Horizontal
4	3507.1111	70.75	-111.89	-41.14	-13.00	28.14	244	37	Horizontal
5	4208.8889	54.24	-109.44	-55.20	-13.00	42.20	177	129	Horizontal
6	4912.88	50.17	-108.00	-57.83	-13.00	44.83	264	210	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.1111	78.97	-118.58	-39.61	-13.00	26.61	261	288	Vertical
2	2104.4444	64.42	-116.02	-51.60	-13.00	38.60	175	125	Vertical
3	2805.3333	57.88	-113.01	-55.13	-13.00	42.13	264	89	Vertical
4	3507.5556	61.75	-111.88	-50.13	-13.00	37.13	177	65	Vertical
5	4211.04	49.59	-109.43	-59.84	-13.00	46.84	264	160	Vertical
6	4912.88	51.28	-108.00	-56.72	-13.00	43.72	178	333	Vertical



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

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

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

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 51 of 52

Frequency Stability for SA**Test Result****Frequency Error VS. Voltage**

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.800000	0.005371	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	4.900000	0.006926	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	10.000000	0.014134	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VH	NT	10.000000	0.014134	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VN	NT	11.000000	0.015548	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VL	NT	10.600000	0.014982	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, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

Report No.: SUZR/2022/1002202

Rev.: 01

Page: 52 of 52

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	6.600000	0.009329	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	8.800000	0.012438	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	4.800000	0.006784	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	2.000000	0.002827	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	2.000000	0.002827	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	5.200000	0.007350	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	3.000000	0.004240	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	7.000000	0.009894	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	4.900000	0.006926	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-30	11.200000	0.015830	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-20	9.500000	0.013428	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-10	16.100000	0.022756	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	0	13.800000	0.019505	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	10	7.000000	0.009894	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	20	6.100000	0.008622	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	30	13.200000	0.018657	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	40	4.000000	0.005654	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	50	13.800000	0.019505	PASS

The End



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

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

South of No. 6 Plant, No. 1, Ransheng 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