



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 1 of 66

Appendix B.18

NR Band n5



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

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

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

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



Report No.: SEWA2205000015RG02
Rev.: 01
Page: 2 of 66

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	LIMIT (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.54	20.97	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.47	20.9	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.43	20.86	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.52	20.95	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.45	20.88	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	23.59	21.02	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.57	21	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.47	19.9	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	21.89	19.32	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	21.85	19.28	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	21.89	19.32	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	20.08	17.51	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	19.93	17.36	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	19.89	17.32	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.56	20.99	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.53	20.96	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.54	20.97	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.55	20.98	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.51	20.94	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.69	21.12	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	23.58	21.01	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.47	19.9	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	21.99	19.42	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	21.89	19.32	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	22.02	19.45	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	20.04	17.47	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	20	17.43	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	20.01	17.44	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.56	20.99	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.36	20.79	38.45	PASS



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

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

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

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



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 3 of 66

N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.47	20.9	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.5	20.93	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.36	20.79	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.48	20.91	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.65	21.08	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.47	19.9	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	21.92	19.35	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.82	19.25	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	21.96	19.39	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	20.06	17.49	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.85	17.28	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	19.89	17.32	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.53	20.96	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.62	21.05	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.58	21.01	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.56	20.99	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.62	21.05	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.57	21	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.58	21.01	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.7	21.13	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.54	19.97	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	21.9	19.33	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	22	19.43	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	22.07	19.5	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	20.07	17.5	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	20.19	17.62	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	20.06	17.49	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.5	20.93	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.52	20.95	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.54	20.97	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.46	20.89	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.6	21.03	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.58	21.01	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.55	20.98	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	23.61	21.04	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	22.51	19.94	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	21.86	19.29	38.45	PASS



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

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

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

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



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 4 of 66

N5	15	10	DFT-64QAM	M	Inner_1RB_Right	21.99	19.42	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	22.07	19.5	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	19.96	17.39	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	20.07	17.5	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	19.98	17.41	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.51	20.94	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.46	20.89	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.58	21.01	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.52	20.95	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.67	21.1	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	23.18	20.61	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.22	20.65	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.57	20	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	21.81	19.24	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	21.79	19.22	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	22.08	19.51	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	19.94	17.37	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	19.89	17.32	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	20.06	17.49	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.42	20.85	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.55	20.98	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.68	21.11	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.41	20.84	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.58	21.01	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	23.67	21.1	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	23.5	20.93	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	23.65	21.08	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	22.68	20.11	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	21.78	19.21	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	21.94	19.37	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	22.09	19.52	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	20.02	17.45	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	20.14	17.57	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	20.14	17.57	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.46	20.89	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.49	20.92	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.69	21.12	38.45	PASS



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

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

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

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



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 5 of 66

N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.45	20.88	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.42	20.85	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.68	21.11	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.59	21.02	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	23.54	20.97	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.67	20.1	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	21.81	19.24	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	21.87	19.3	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	22.18	19.61	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	19.99	17.42	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	20.02	17.45	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	20.18	17.61	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.59	21.02	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.57	21	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.56	20.99	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.42	20.85	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.58	21.01	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	21.43	18.86	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.62	21.05	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.57	20	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	21.98	19.41	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.89	19.32	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	22.08	19.51	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	20.09	17.52	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	20.02	17.45	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	20.13	17.56	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.33	20.76	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.44	20.87	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.61	21.04	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.4	20.83	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.44	20.87	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.59	21.02	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.11	20.54	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.18	20.61	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.59	20.02	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.69	19.12	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	21.67	19.1	38.45	PASS



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

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

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

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



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 6 of 66

N5	15	20	DFT-64QAM	L	Outer_Full	22.09	19.52	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.9	17.33	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	19.97	17.4	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.13	17.56	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.39	20.82	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.63	21.06	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.4	20.83	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.49	20.92	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.65	21.08	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.14	20.57	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	23.17	20.6	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.68	20.11	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	21.7	19.13	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.74	19.17	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.14	19.57	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.88	17.31	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.93	17.36	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	20.11	17.54	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.45	20.88	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.37	20.8	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.58	21.01	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.51	20.94	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.48	20.91	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.61	21.04	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	21.37	18.8	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.58	21.01	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.66	20.09	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	21.98	19.41	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.95	19.38	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	22.13	19.56	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	20.03	17.46	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	20.01	17.44	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	20.14	17.57	38.45	PASS



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

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

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

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



Report No.: SEWA2205000015RG02
Rev.: 01
Page: 7 of 66

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.76	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.58	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.85	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.62	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.92	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.63	≤13	PASS



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

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

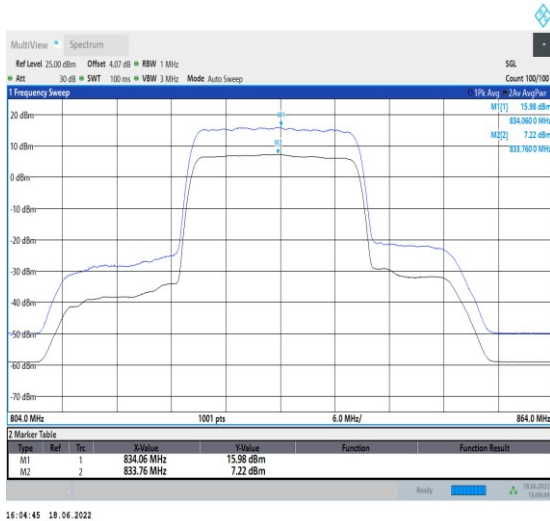
t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2205000015RG02

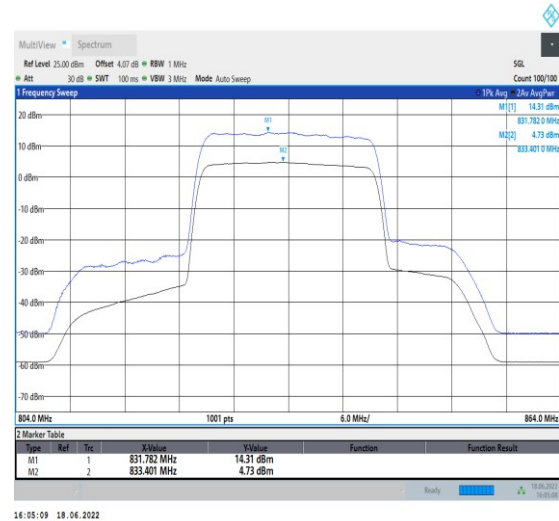
Rev.: 01

Page: 8 of 66

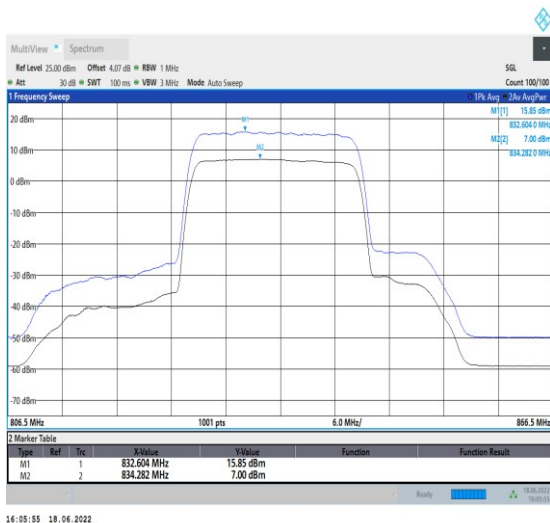
Test Graphs



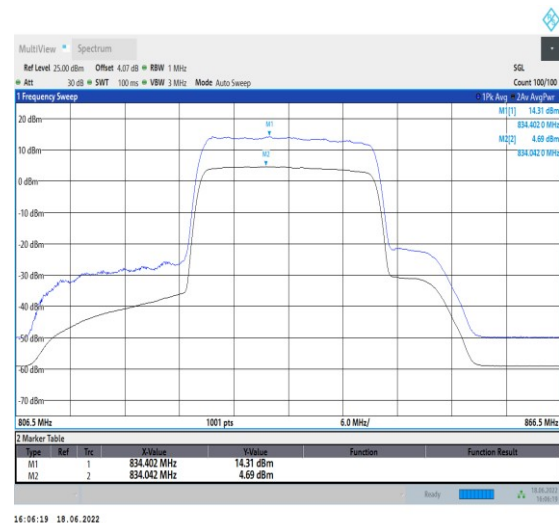
1-N5--15-20-L-1-DFT-256QAM-Outer_Full-100@0-A
nt1-8.76-100%-0.00-8.76-PASS≤13



1-N5--15-20-L-2-CP-256QAM-Outer_Full-106@0-An
t1-9.58-100%-0.00-9.58-PASS≤13



1-N5--15-20-M-1-DFT-256QAM-Outer_Full-100@0-A
nt1-8.85-100%-0.00-8.85-PASS≤13



1-N5--15-20-M-2-CP-256QAM-Outer_Full-106@0-A
nt1-9.62-100%-0.00-9.62-PASS≤13



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 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.: SEWA2205000015RG02

Rev.: 01

Page: 9 of 66



1-N5--15-20-H-1-DFT-256QAM-Outer_Full-100@0-A
nt1-8.92-100%-0.00-8.92-PASS≤13



1-N5--15-20-H-2-CP-256QAM-Outer_Full-106@0-A
nt1-9.63-100%-0.00-9.63-PASS≤13



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

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

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

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

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02
 Rev.: 01
 Page: 10 of 66

Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



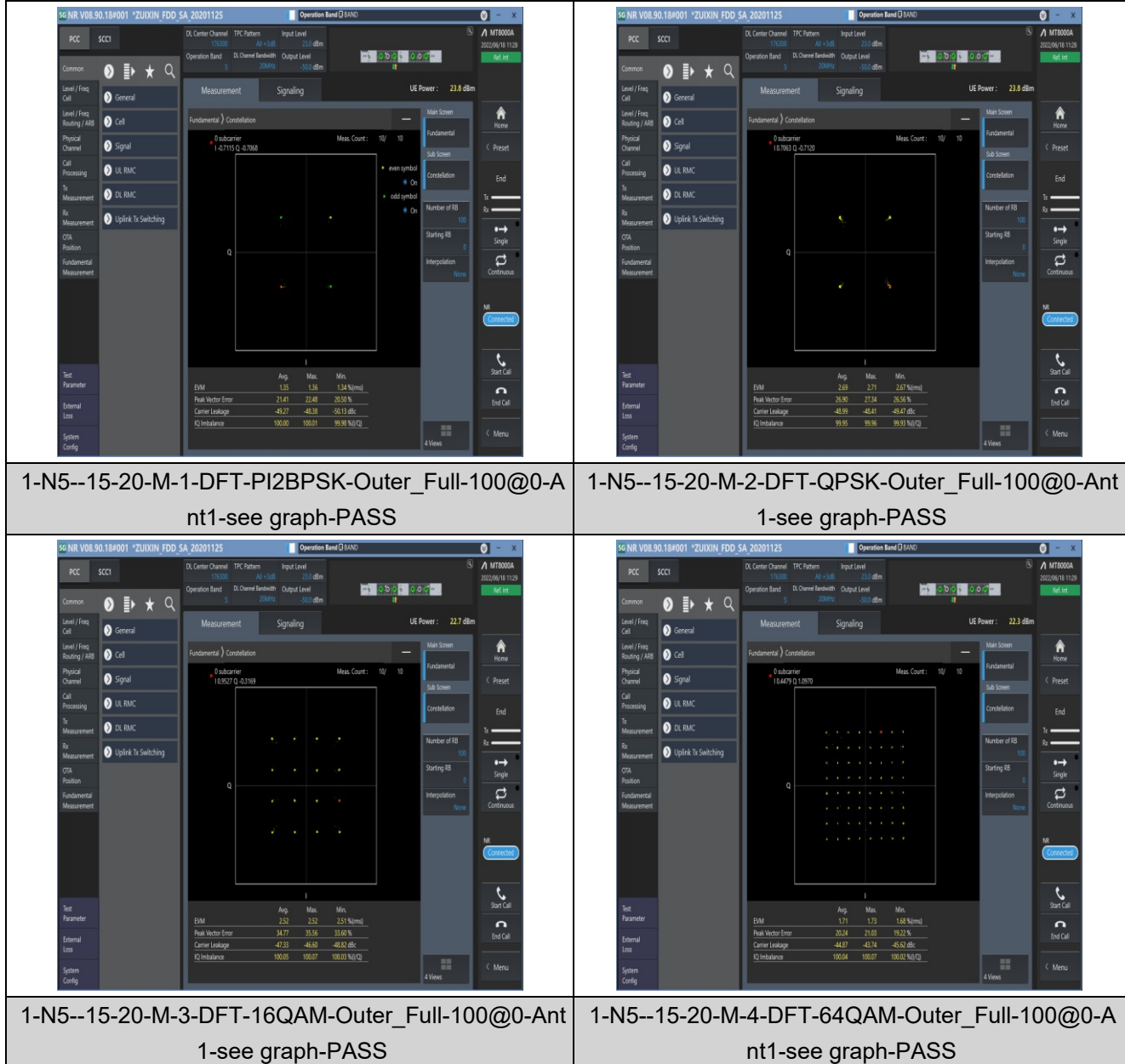
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

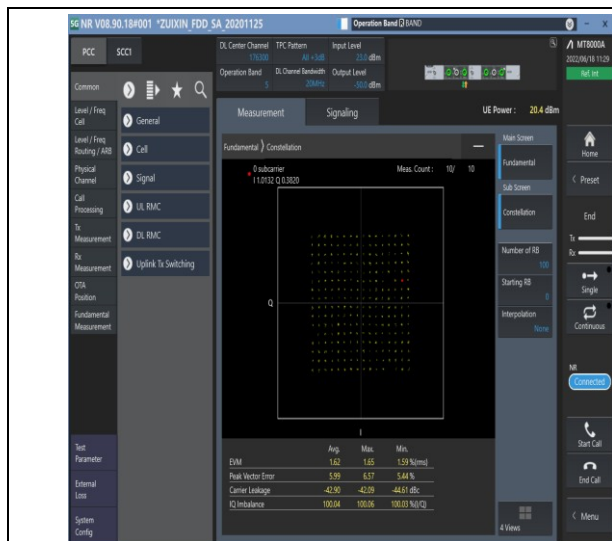
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

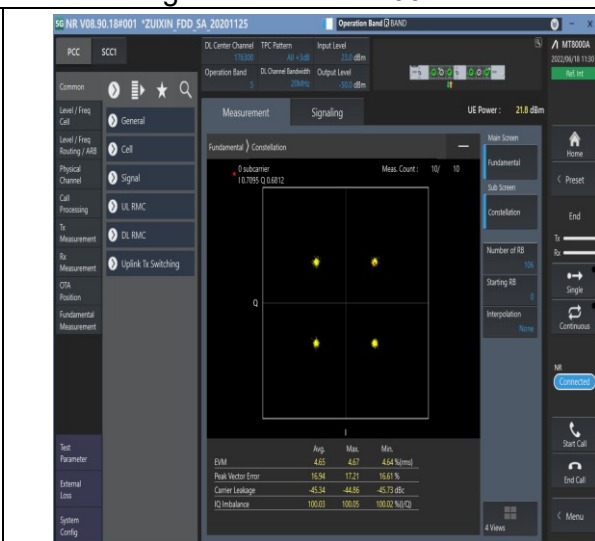
Report No.: SEWA2205000015RG02
Rev.: 01
Page: 11 of 66

Test Graphs

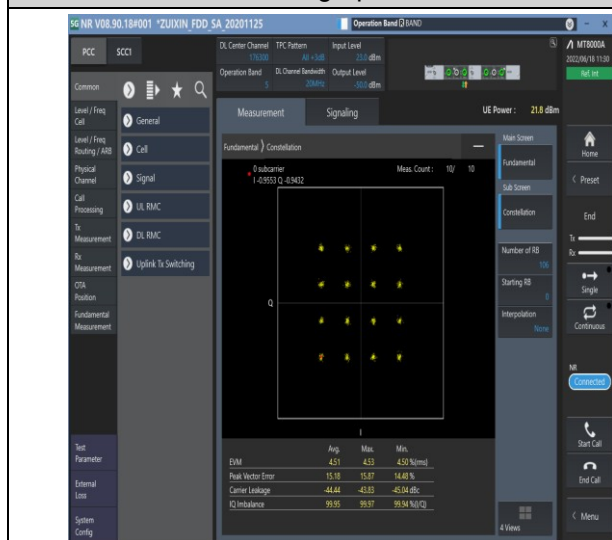




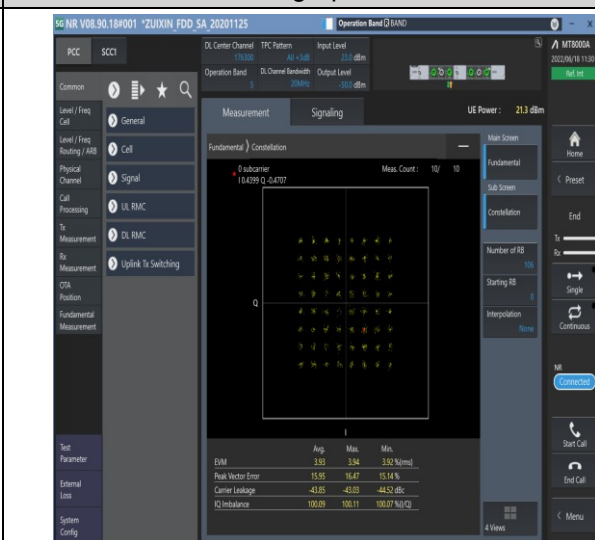
1-N5--15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
nt1-see graph-PASS



1-N5--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant
1-see graph-PASS



1-N5--15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1
-see graph-PASS

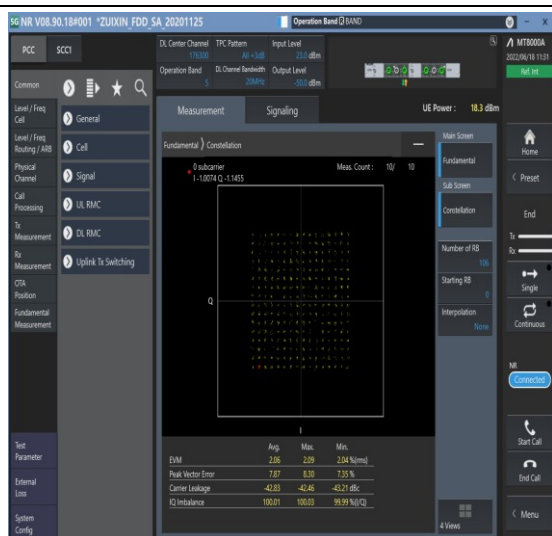


1-N5--15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1
t1-see graph-PASS

Report No.: SEWA2205000015RG02

Rev.: 01

Page: 13 of 66



1-N5--15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant
1-see graph-PASS



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

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

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

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

Report No.: SEWA2205000015RG02

Rev.: 01

Page: 14 of 66

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	4.472	4.790	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.466	4.860	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.47	4.910	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.462	4.870	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.472	4.880	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.467	4.910	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.464	4.830	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.472	4.890	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.474	4.920	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.48	4.860	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.454	4.870	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.47	4.920	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.476	4.900	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.462	4.840	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.462	4.880	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.462	4.820	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.475	4.950	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.47	4.870	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.488	4.790	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.468	4.880	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.468	4.860	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.477	4.920	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.47	4.900	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.463	4.860	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.477	4.870	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.471	4.880	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.476	4.870	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.919	9.500	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	8.932	9.540	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.918	9.520	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	8.941	9.560	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.922	9.560	PASS



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

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

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

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



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 15 of 66

N5	15	10	CP-QPSK	L	Outer_Full	9.292	9.880	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.268	9.840	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.292	9.820	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.279	9.840	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.916	9.500	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.906	9.500	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.941	9.420	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.929	9.520	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.933	9.460	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.298	9.920	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.282	9.780	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.307	9.800	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.302	9.900	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.921	9.580	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.939	11.560	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.915	9.500	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.926	9.520	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.926	9.440	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.294	9.840	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.274	9.800	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.292	9.900	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.269	9.960	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.436	14.100	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.419	14.250	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.417	14.130	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.434	14.190	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.434	14.160	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.095	14.940	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.051	14.880	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.125	14.820	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.151	14.910	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.446	14.190	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.408	14.250	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.432	14.220	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.423	14.280	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.435	14.250	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.084	14.940	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.093	14.880	PASS



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

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

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

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



Report No.: SEWA2205000015RG02

Rev.: 01

Page: 16 of 66

N5	15	15	CP-64QAM	M	Outer_Full	14.113	14.850	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.137	14.970	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.463	14.220	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.408	14.100	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.403	14.160	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.413	14.220	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.43	14.250	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.058	14.850	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.106	14.850	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.123	14.820	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.129	14.910	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.831	18.680	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.858	18.720	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.857	18.720	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.841	18.640	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.828	18.760	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.874	19.800	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.899	19.760	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.879	19.840	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.883	19.680	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.847	18.640	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.848	18.680	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.847	18.600	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.838	18.680	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.848	18.720	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.861	19.640	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.918	19.680	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.857	19.720	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.876	19.680	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.844	18.680	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.876	18.640	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.847	18.720	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.829	18.640	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.832	18.640	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.868	19.760	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.861	19.720	PASS
N5	15	20	CP-64QAM	H	Outer_Full	18.88	19.760	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.852	19.720	PASS



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

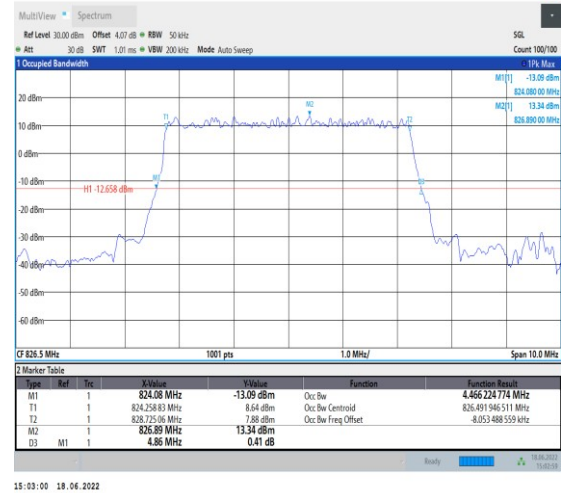
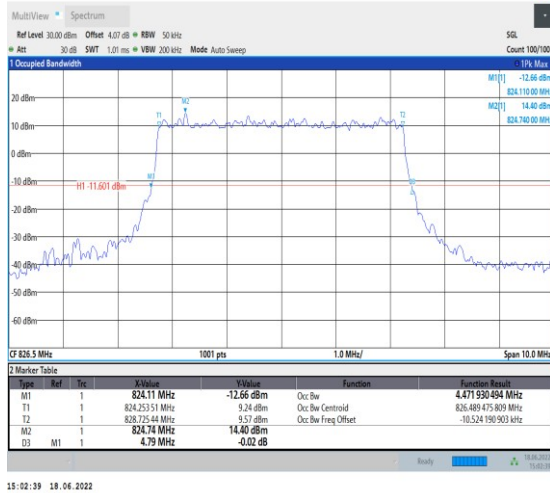
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

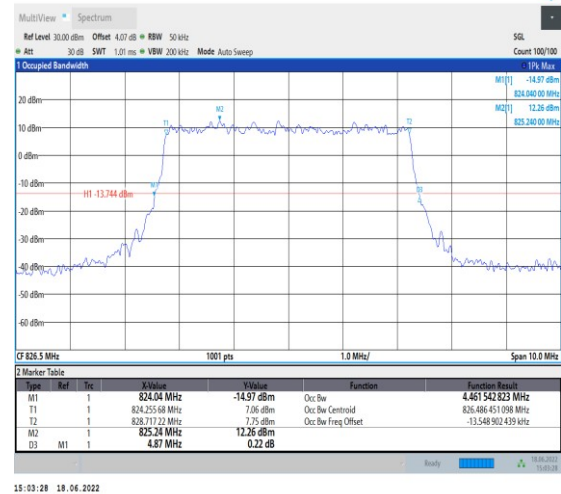
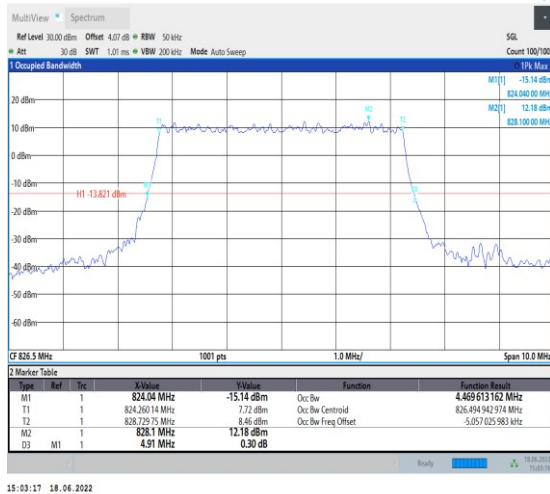
Report No.: SEWA2205000015RG02
Rev.: 01
Page: 17 of 66

Test Graphs



1-N5--15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4
4.72-4.790-≤5-PASS

1-N5--15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant
1-4.466-4.860-≤5-PASS



1-N5--15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-
4.47-4.910-≤5-PASS

1-N5--15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-
4.462-4.870-≤5-PASS



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

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

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

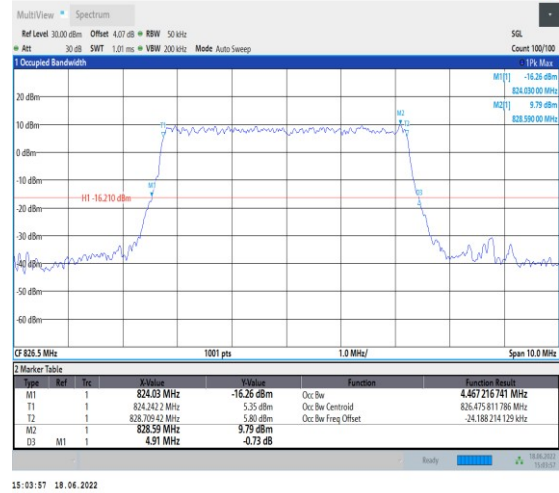
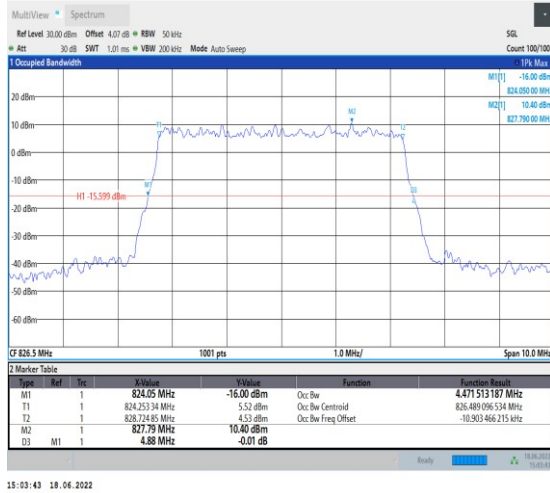
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

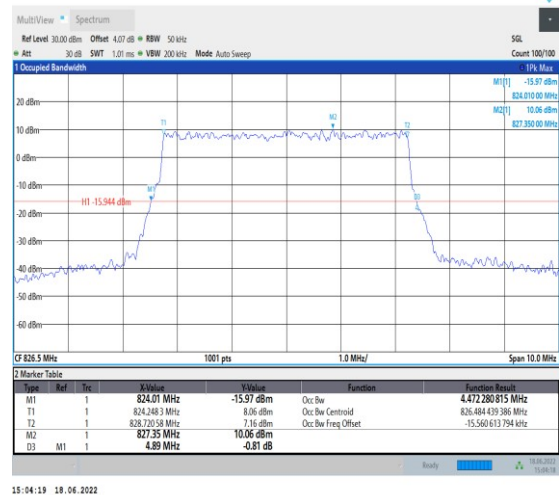
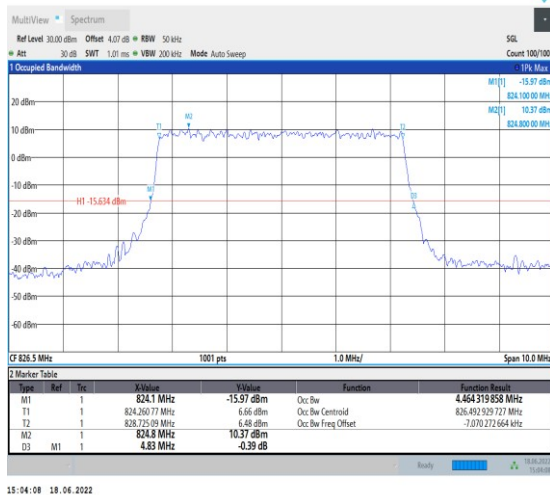
Rev.: 01

Page: 18 of 66



1-N5--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.472-4.880-≤5-PASS

1-N5--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.4
67-4.910-≤5-PASS



1-N5--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4
.464-4.830-≤5-PASS

1-N5--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4
.472-4.890-≤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-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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

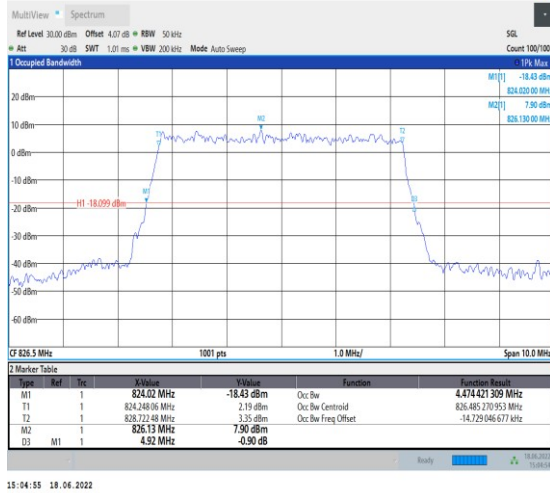
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

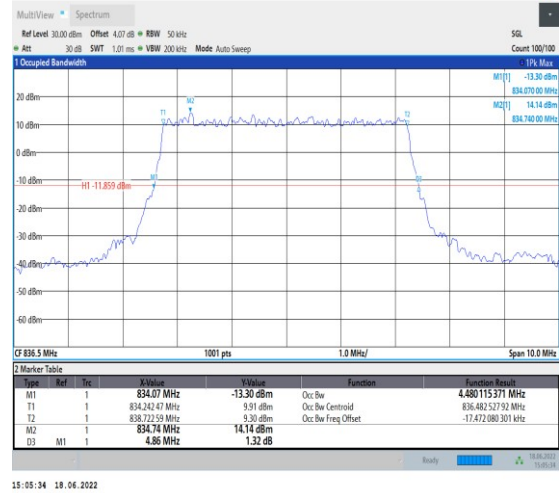
Report No.: SEWA2205000015RG02

Rev.: 01

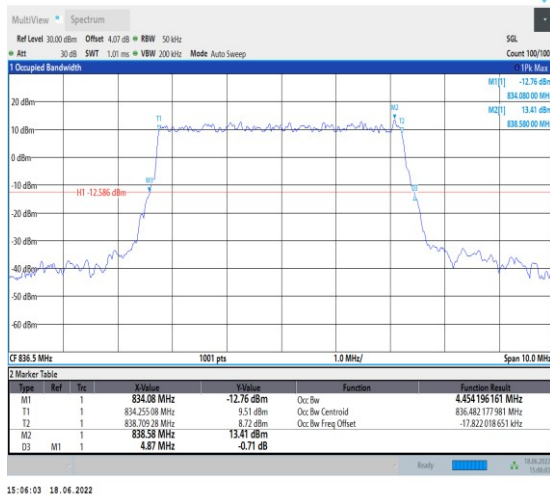
Page: 19 of 66



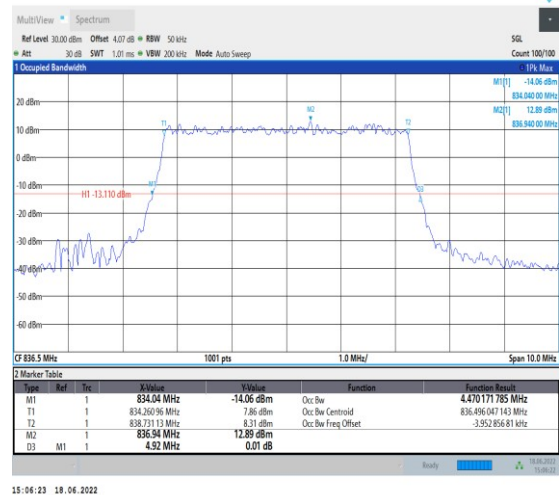
1-N5--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.474-4.920-≤5-PASS



1-N5--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.48-4.860-≤5-PASS



1-N5--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.454-4.870-≤5-PASS



1-N5--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.47-4.920-≤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-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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

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

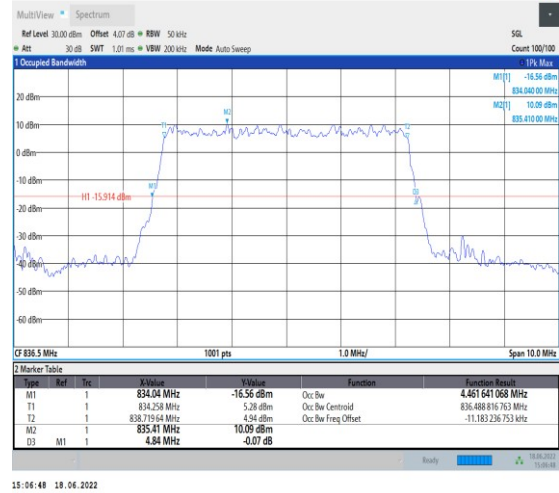
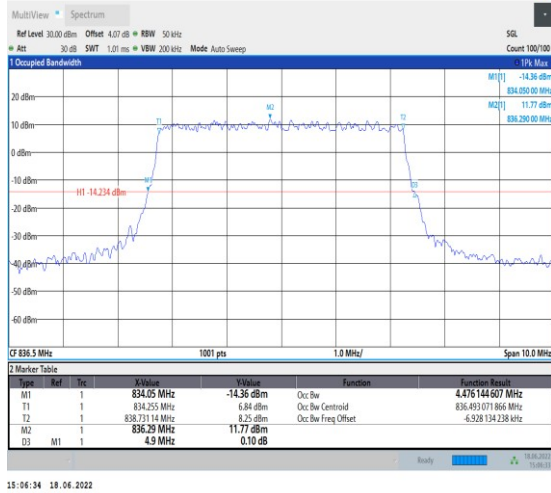
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

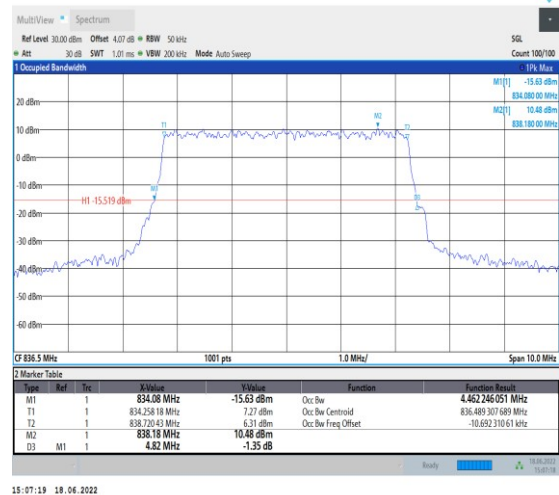
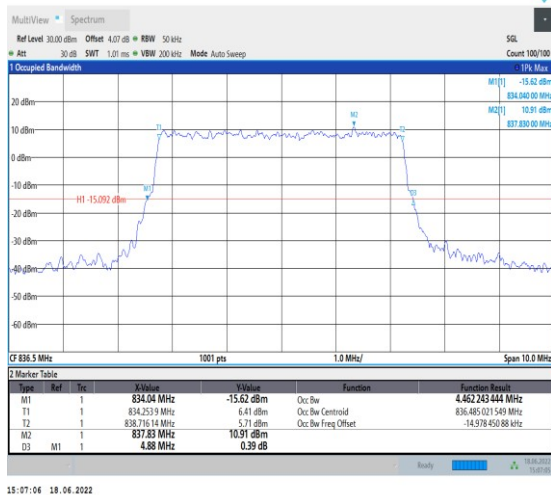
Rev.: 01

Page: 20 of 66



1-N5--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1
-4.476-4.900-≤5-PASS

1-N5--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.462-4.840-≤5-PASS



1-N5--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
462-4.880-≤5-PASS

1-N5--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-
4.462-4.820-≤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-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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

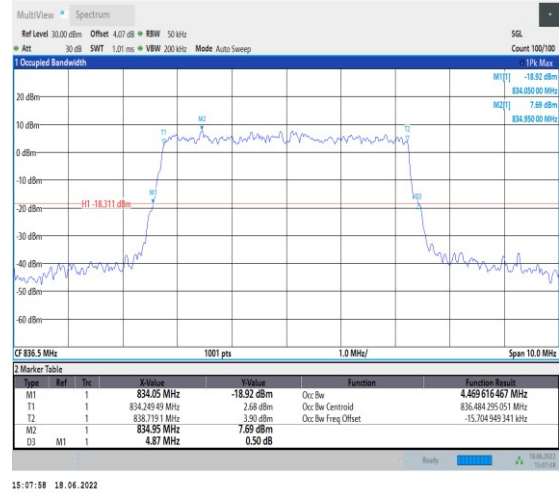
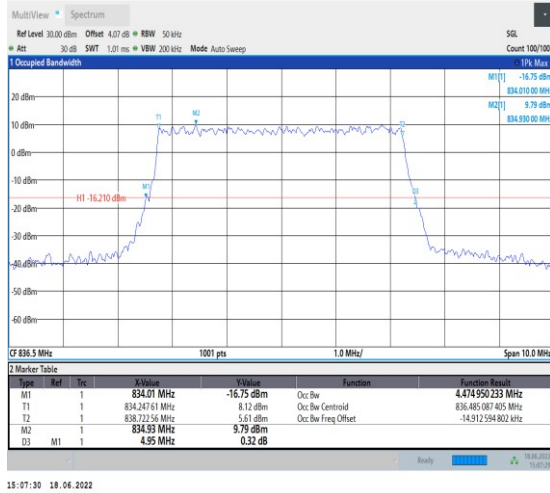
t (86-512) 62992980 www.sgs.com
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

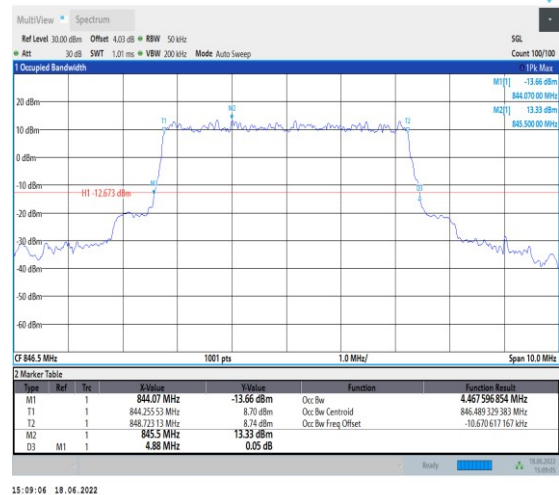
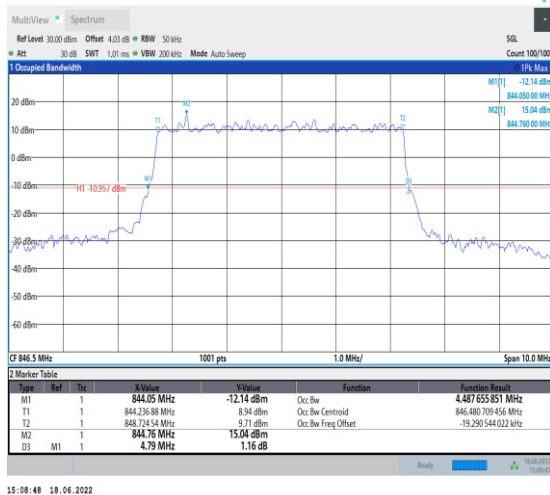
Rev.: 01

Page: 21 of 66



1-N5--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.475-4.950-≤5-PASS

1-N5--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.47-4.870-≤5-PASS



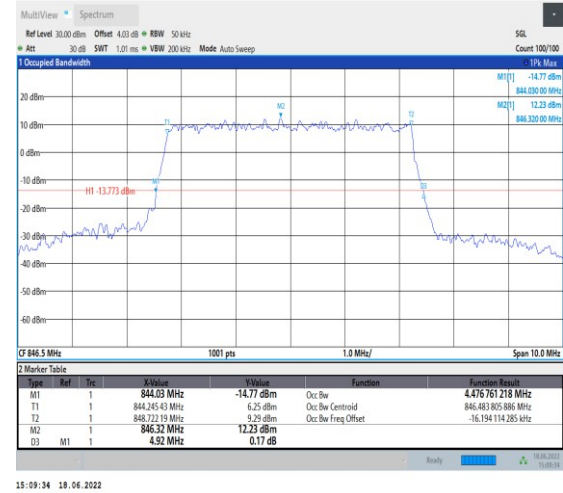
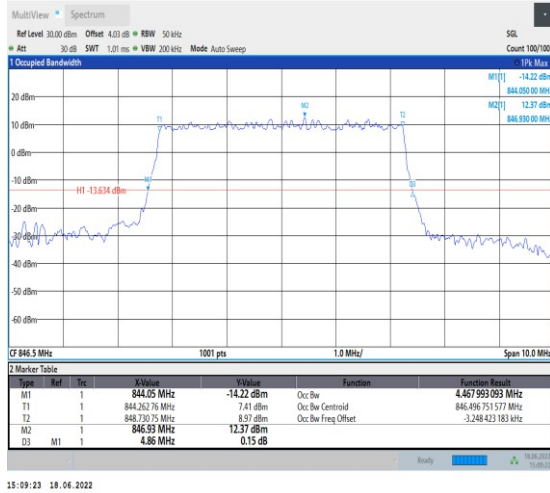
1-N5--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.488-4.790-≤5-PASS

1-N5--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.468-4.880-≤5-PASS

Report No.: SEWA2205000015RG02

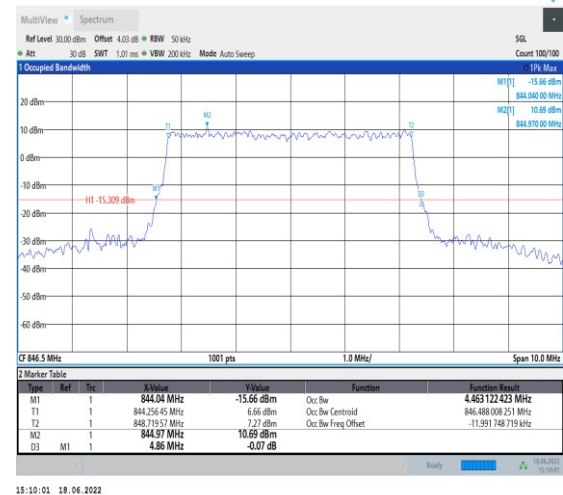
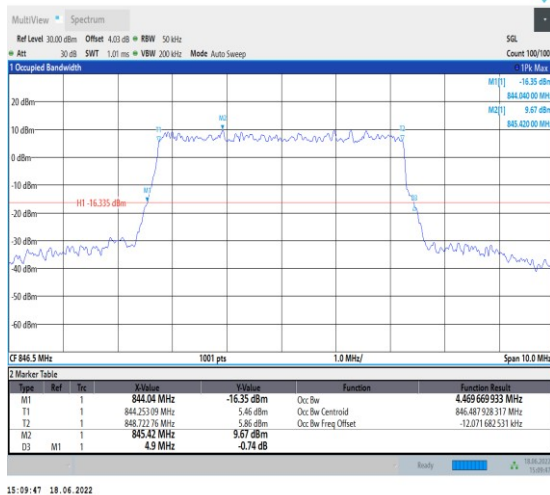
Rev.: 01

Page: 22 of 66



1-N5--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.468-4.860-≤5-PASS

1-N5--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.477-4.920-≤5-PASS



1-N5--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.47-4.900-≤5-PASS

1-N5--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4-463-4.860-≤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-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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

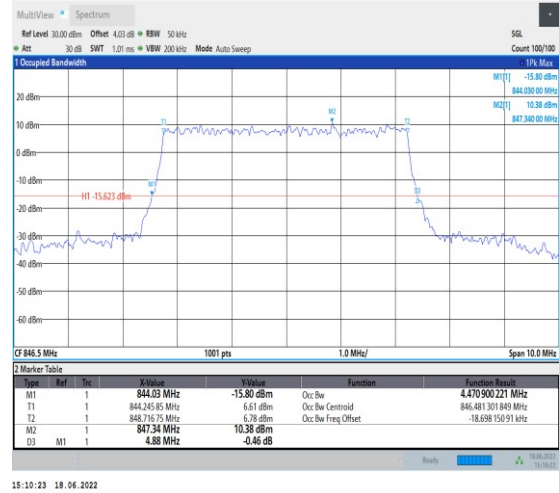
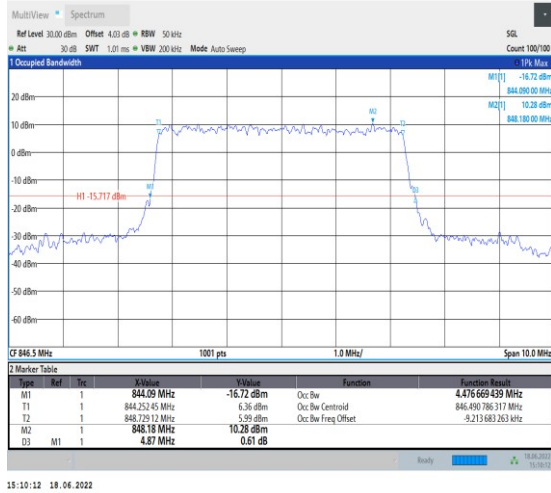
t (86-512) 62992980 www.sgs.com
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

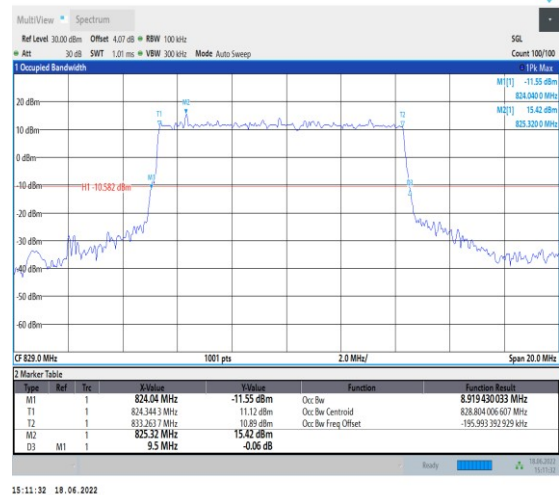
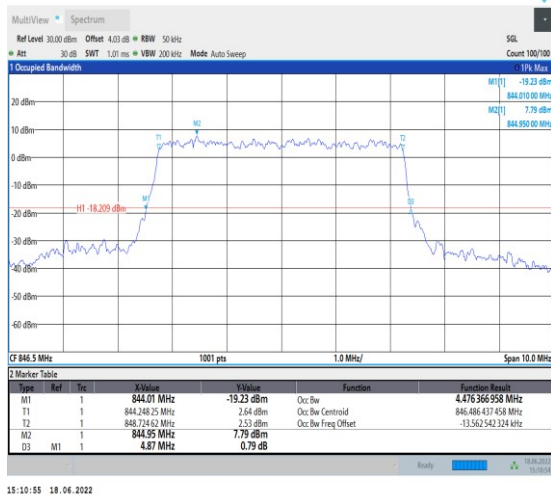
Rev.: 01

Page: 23 of 66



1-N5--15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.477-4.870-≤5-PASS

1-N5--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.471-4.880-≤5-PASS



1-N5--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.476-4.870-≤5-PASS

1-N5--15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.919-9.500-≤10-PASS



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

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

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

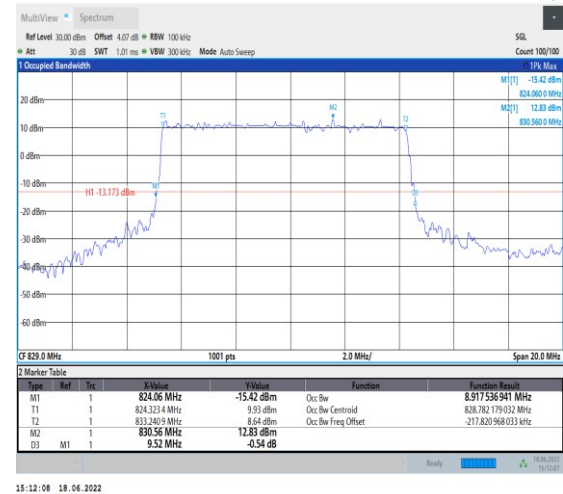
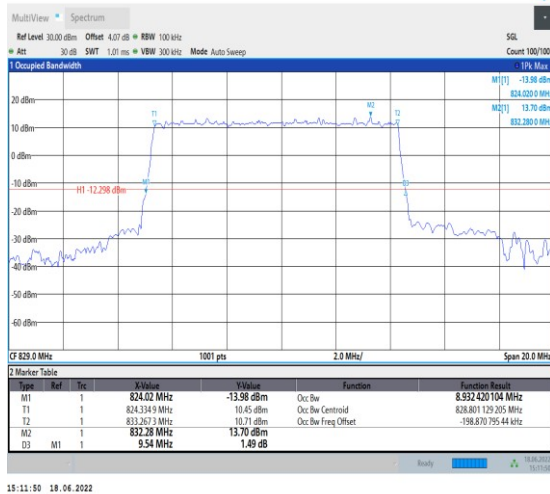
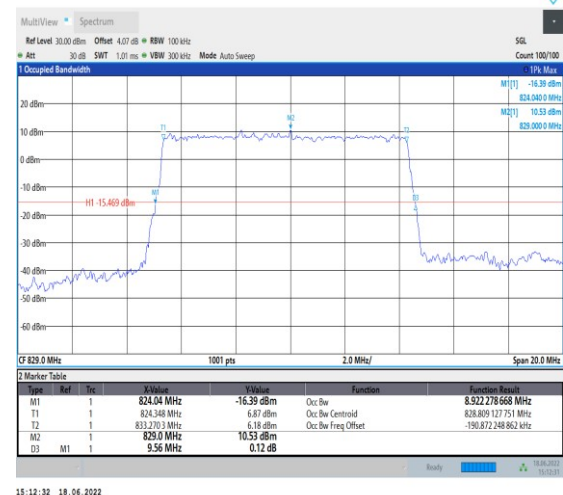
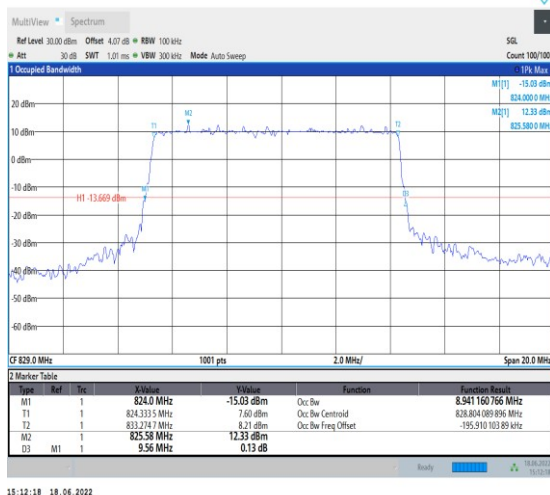
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

Rev.: 01

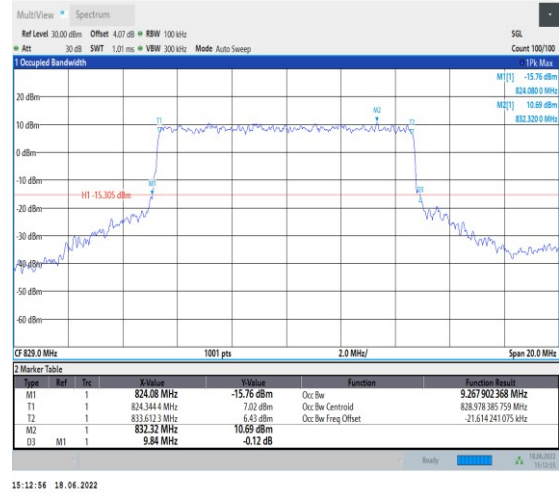
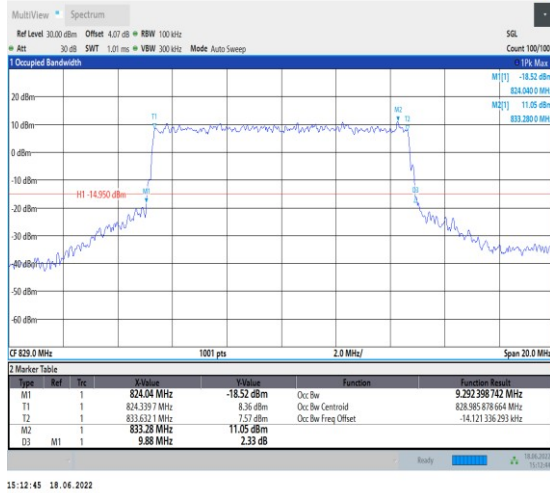
Page: 24 of 66

1-N5--15-10-L-2-DFT-PI2BPSK-Outet_Full-50@0-An
t1-8.932-9.540-≤10-PASS1-N5--15-10-L-3-DFT-16QAM-Outet_Full-50@0-Ant1
-8.918-9.520-≤10-PASS1-N5--15-10-L-4-DFT-64QAM-Outet_Full-50@0-Ant
1-8.941-9.560-≤10-PASS1-N5--15-10-L-5-DFT-256QAM-Outet_Full-50@0-Ant
1-8.922-9.560-≤10-PASS

Report No.: SEWA2205000015RG02

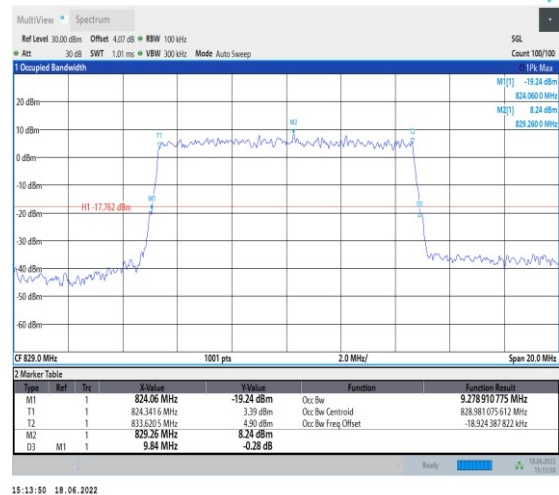
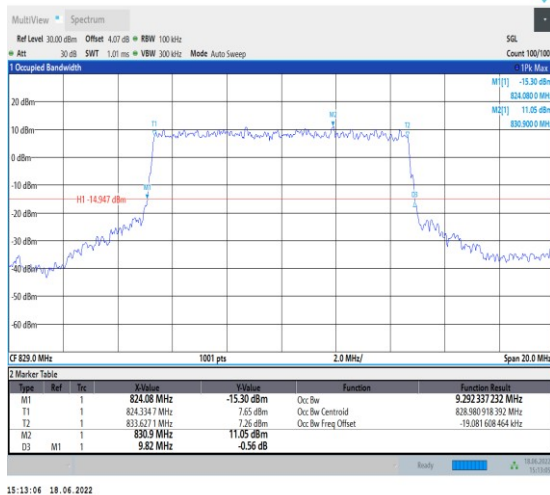
Rev.: 01

Page: 25 of 66



1-N5--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9
-292-9.880-≤10-PASS

1-N5--15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9
-268-9.840-≤10-PASS



1-N5--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9
-292-9.820-≤10-PASS

1-N5--15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9
-279-9.840-≤10-PASS



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

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

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

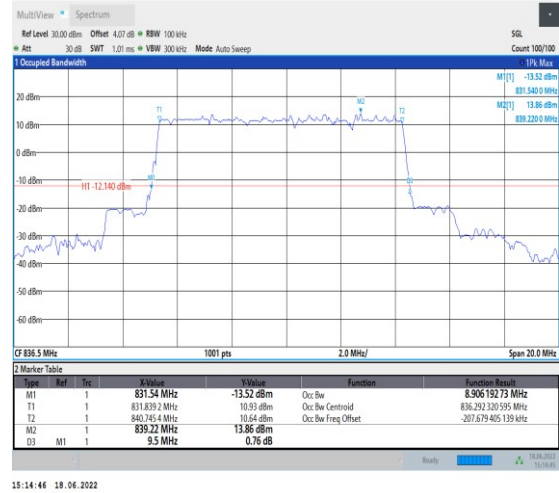
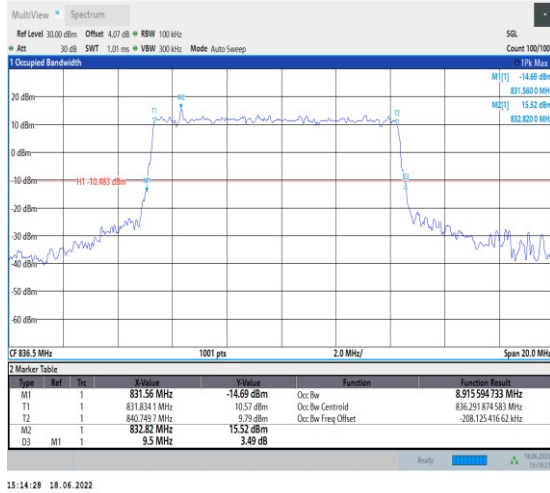
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

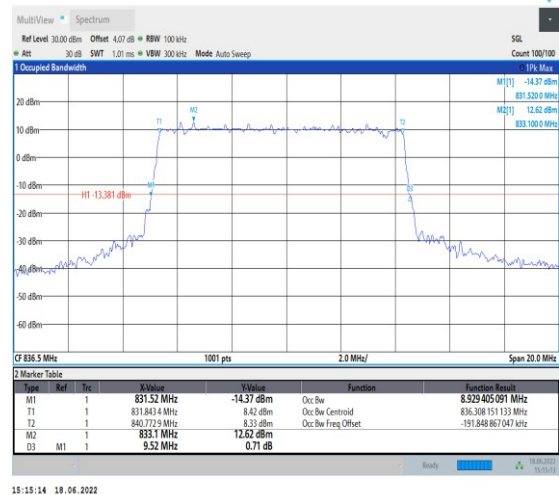
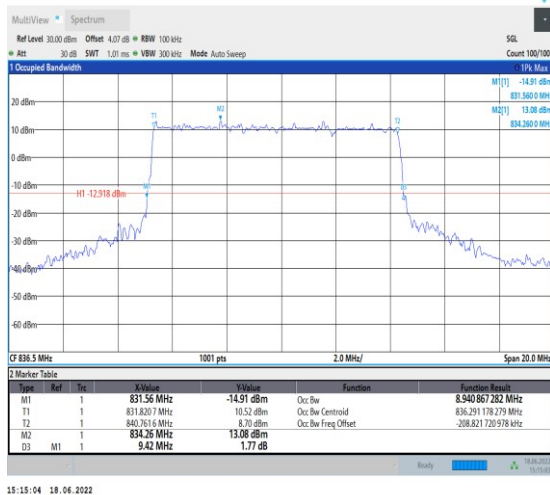
Rev.: 01

Page: 26 of 66



1-N5--15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1
-8.916-9.500-≤10-PASS

1-N5--15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.906-9.500-≤10-PASS



1-N5--15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant
1-8.941-9.420-≤10-PASS

1-N5--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
1-8.929-9.520-≤10-PASS



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

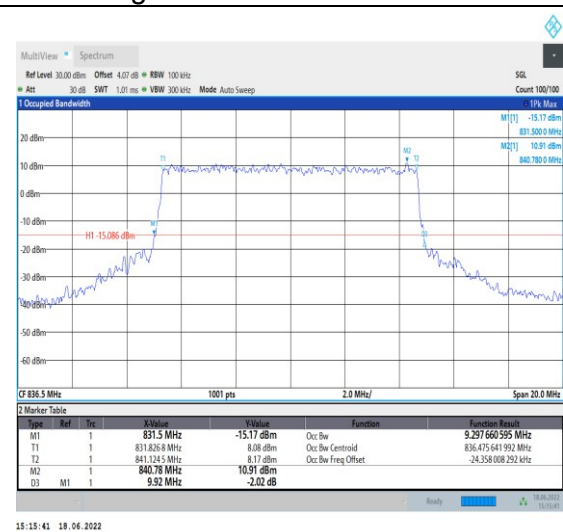
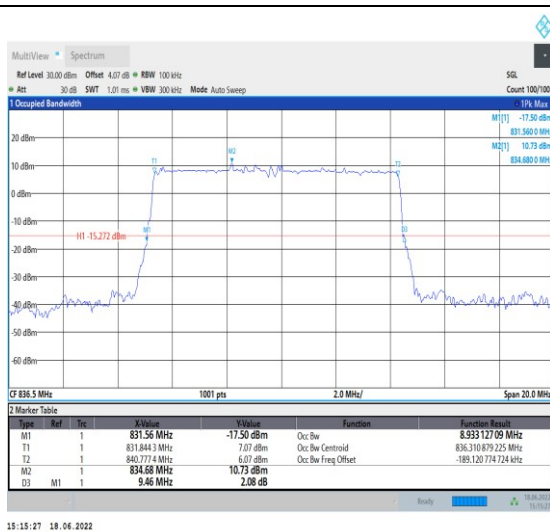
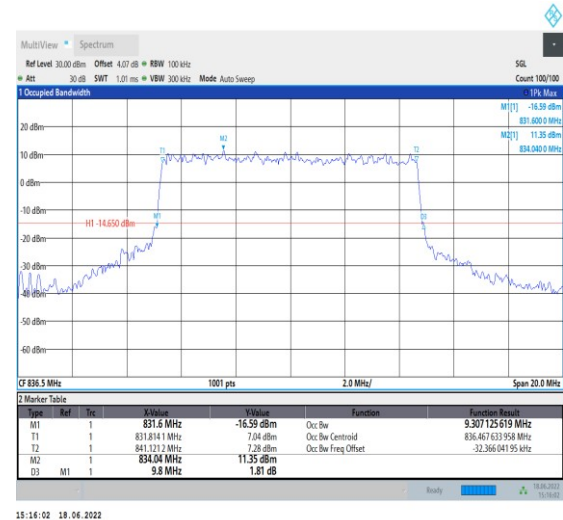
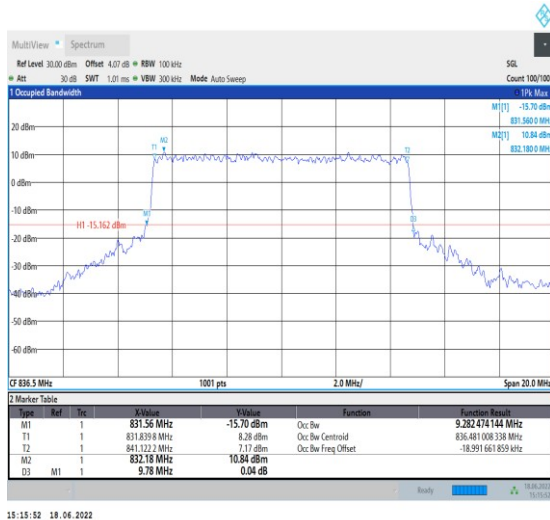
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

Rev.: 01

Page: 27 of 66

1-N5--15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.933-9.460-≤10-PASS1-N5--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9
.298-9.920-≤10-PASS1-N5--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1
-9.282-9.780-≤10-PASS1-N5--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1
-9.307-9.800-≤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-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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

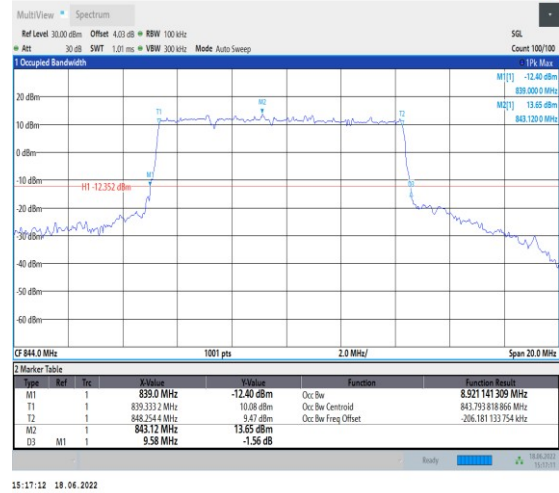
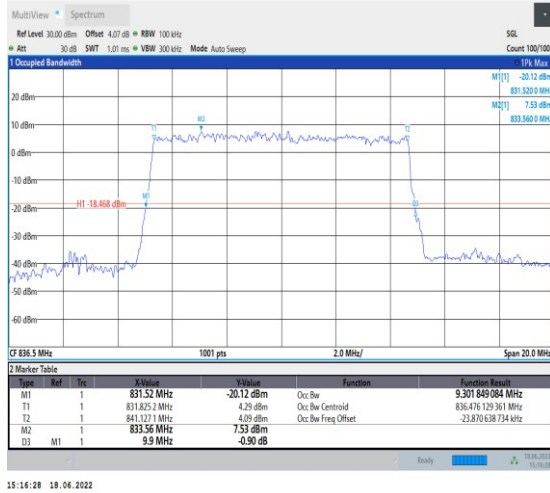
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

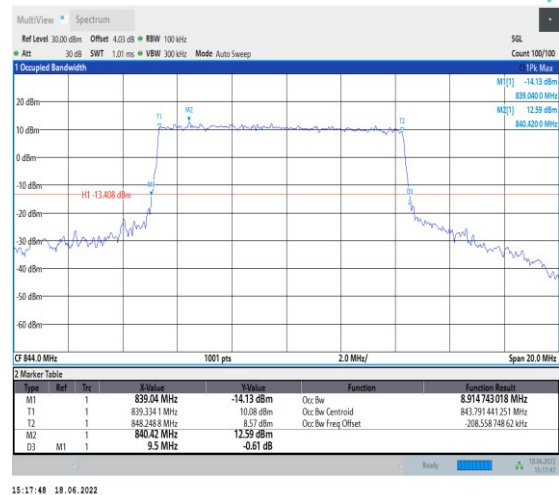
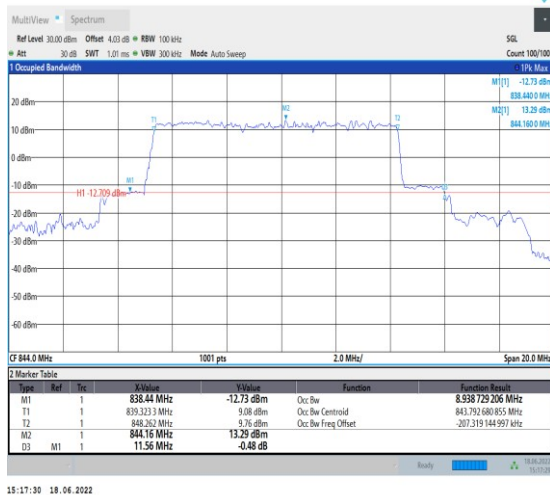
Rev.: 01

Page: 28 of 66



1-N5--15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
1-9.302-9.900≤10-PASS

1-N5--15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1
8.921-9.580≤10-PASS



1-N5--15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.939-11.560≤10-PASS

1-N5--15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant
1-8.915-9.500≤10-PASS



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

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

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

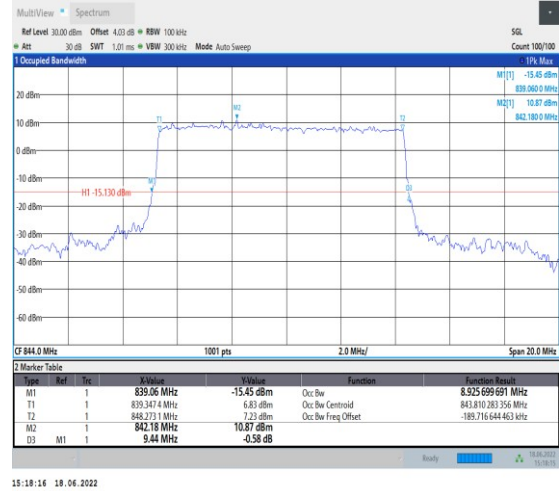
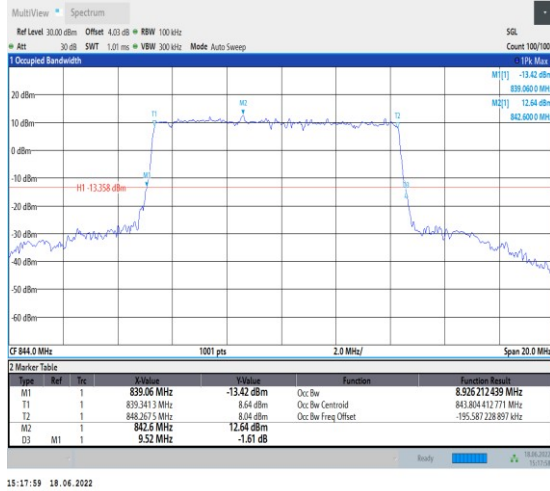
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

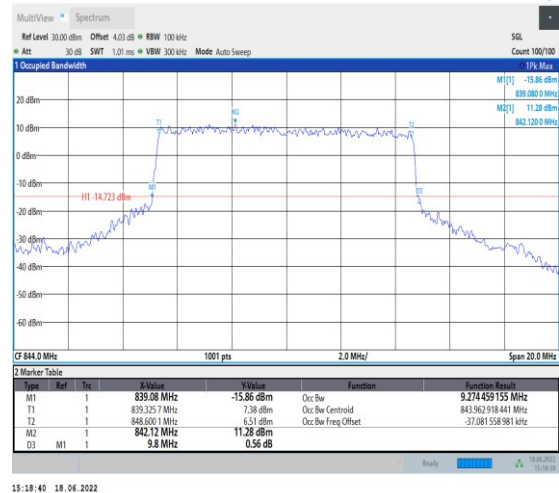
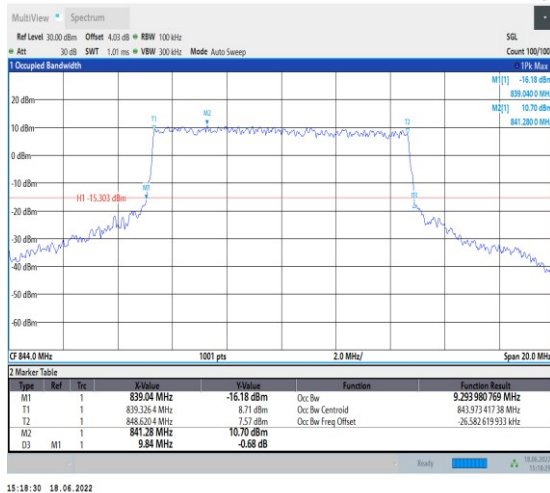
Rev.: 01

Page: 29 of 66



1-N5--15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant
1-8.926-9.520-≤10-PASS

1-N5--15-10-H-5-DFT-256QAM-Outer_Full-50@0-An
t1-8.926-9.440-≤10-PASS



1-N5--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9
.294-9.840-≤10-PASS

1-N5--15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-
9.274-9.800-≤10-PASS



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

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

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

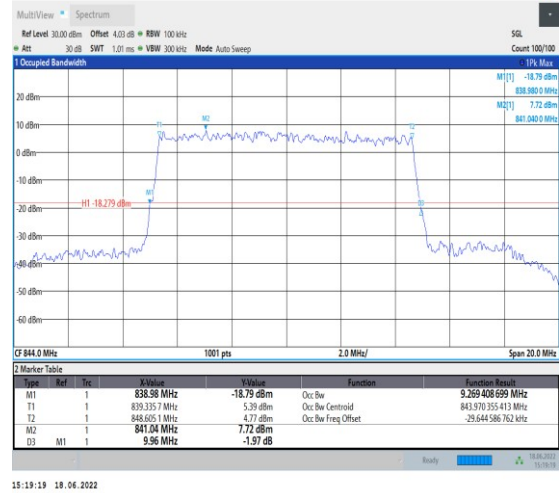
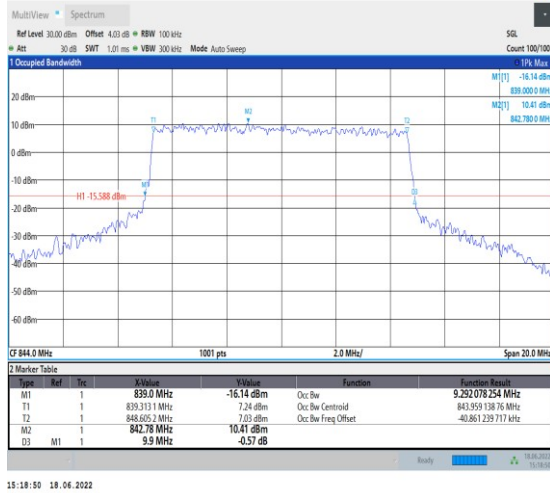
t (86-512) 62992980 www.sgs.com
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

Rev.: 01

Page: 30 of 66



1-N5--15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1
-9.292-9.900-≤10-PASS

1-N5--15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant
1-9.269-9.960-≤10-PASS



1-N5--15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1
13.436-14.100-≤15-PASS

1-N5--15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant
t1-13.419-14.250-≤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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

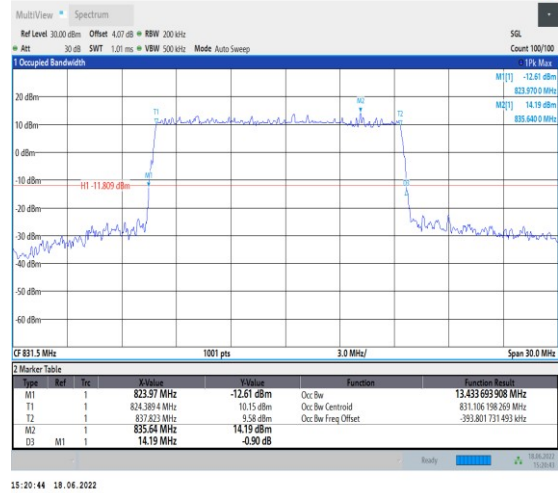
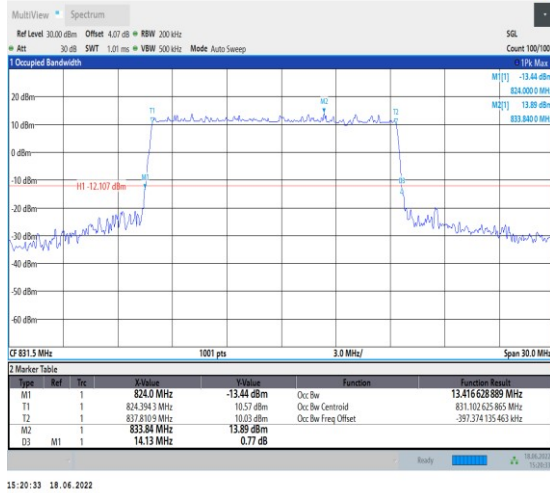
t (86-512) 62992980 www.sgs.com
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

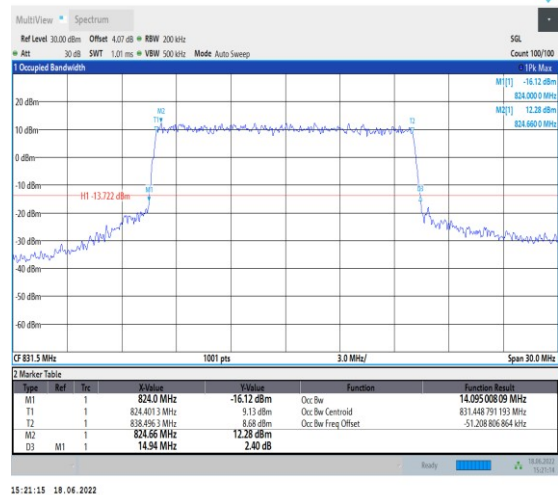
Rev.: 01

Page: 31 of 66



1-N5--15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant
1-13.417-14.130≤15-PASS

1-N5--15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1
-13.434-14.190≤15-PASS



1-N5--15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant
t1-13.434-14.160≤15-PASS

1-N5--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1
4.095-14.940≤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, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

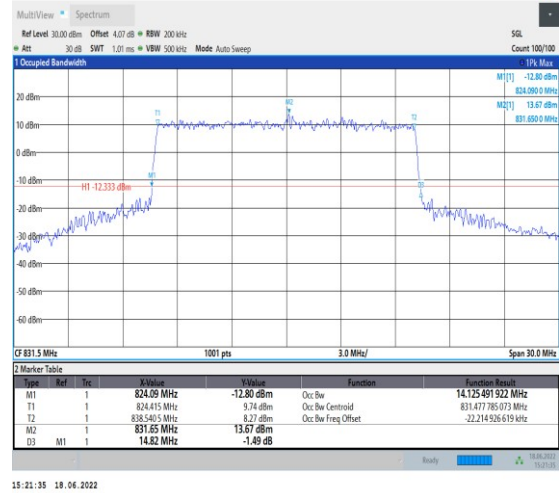
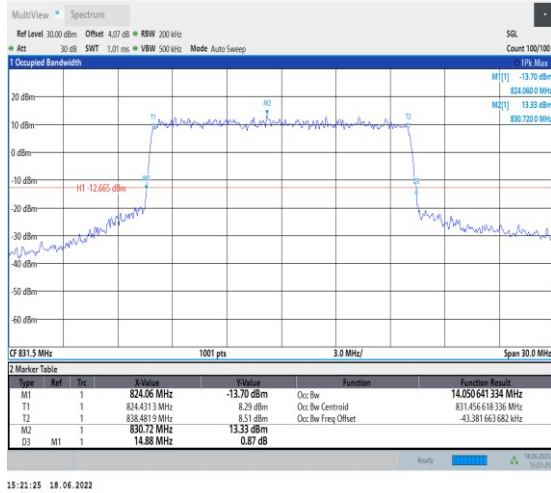
t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWA2205000015RG02

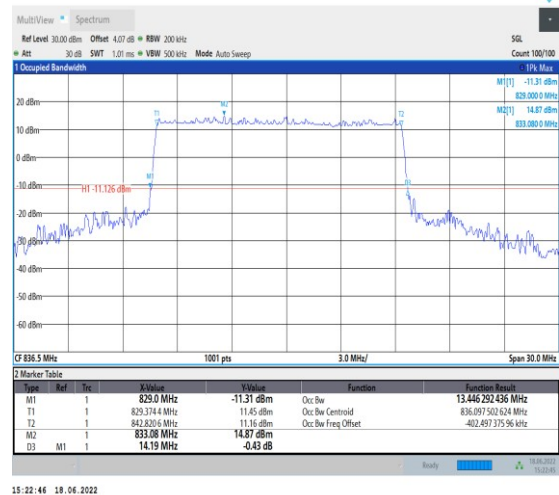
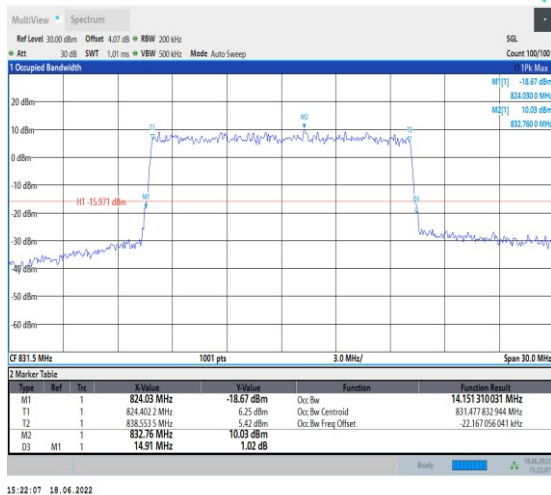
Rev.: 01

Page: 32 of 66



1-N5--15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-
14.051-14.880-≤15-PASS

1-N5--15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-
14.125-14.820-≤15-PASS



1-N5--15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-
14.151-14.910-≤15-PASS

1-N5--15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-
13.446-14.190-≤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

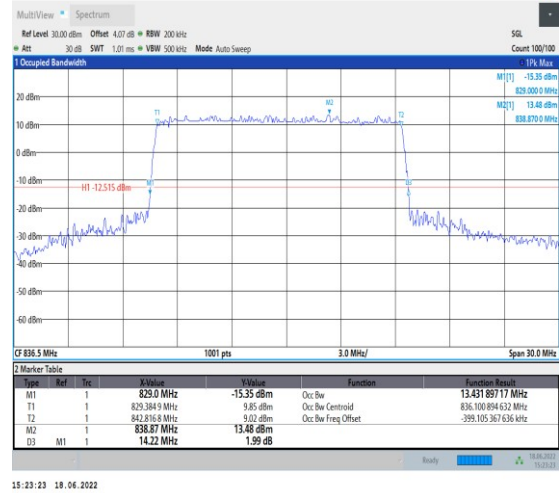
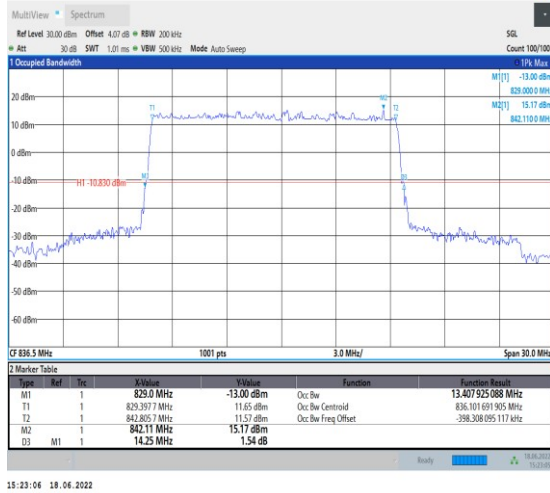
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

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

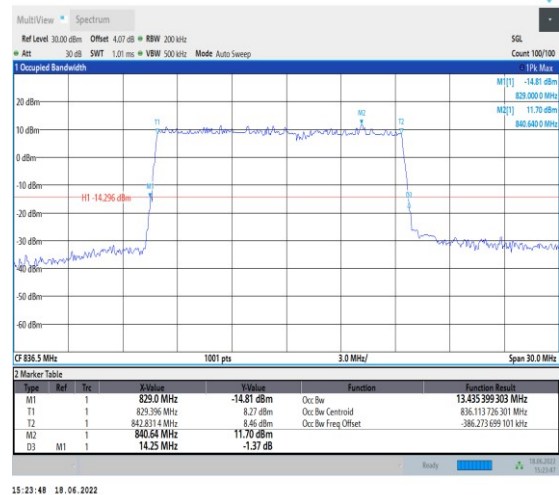
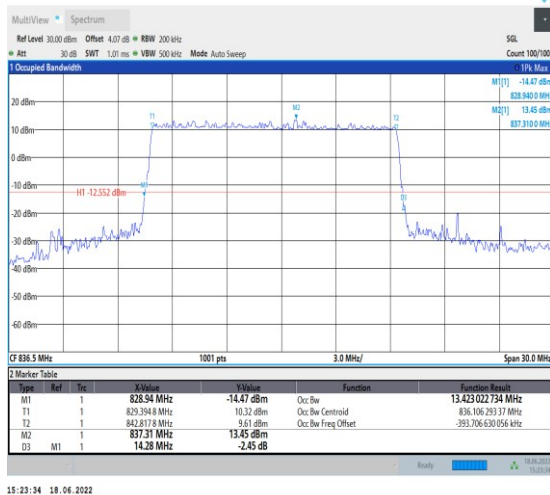
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



1-N5--15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-A
nt1-13.408-14.250-≤15-PASS

1-N5--15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant
1-13.432-14.220-≤15-PASS



1-N5--15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
1-13.423-14.280-≤15-PASS

1-N5--15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant
1-13.435-14.250-≤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

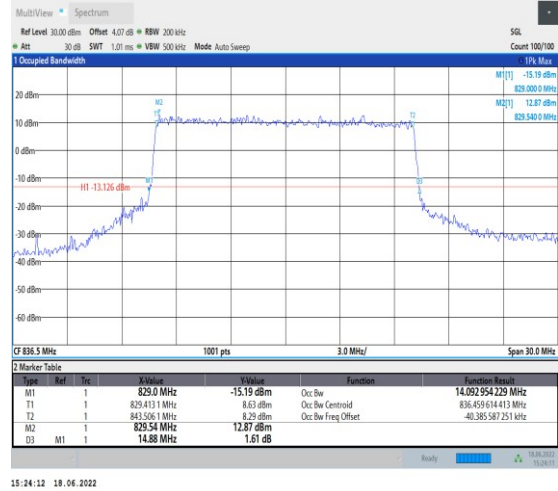
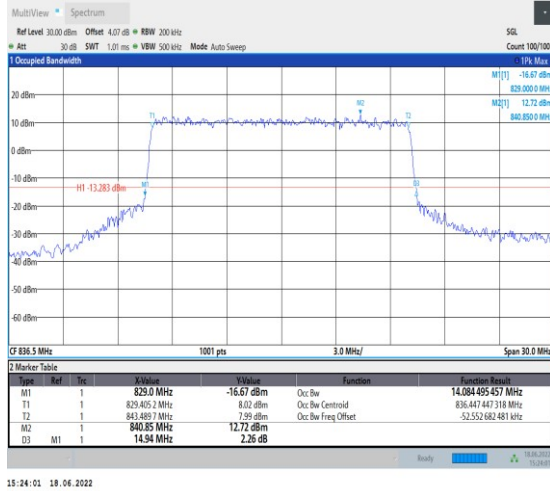
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

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

Report No.: SEWA2205000015RG02

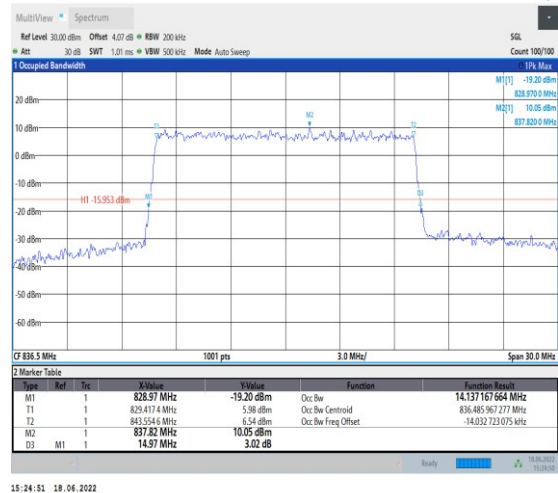
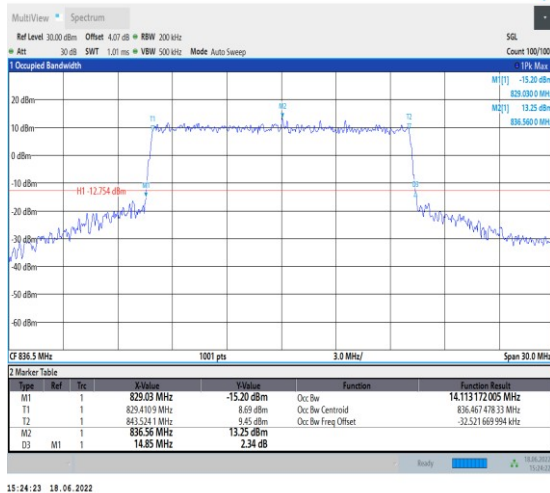
Rev.: 01

Page: 34 of 66



1-N5--15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-
-14.084-14.940-≤15-PASS

1-N5--15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1
-14.093-14.880-≤15-PASS



1-N5--15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1
-14.113-14.850-≤15-PASS

1-N5--15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1
1-14.137-14.970-≤15-PASS



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

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

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

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

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

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

Member of the SGS Group (SGS SA)