

Appendix for KSCR221000187204-n48 MIMO

Effective (Isotropic) Radiated Power Output Data for MIMO

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant1	Power Ant2	Total	eirp	limit
N48	30	10	CP-QPSK	L	Inner_1RB_Left	16.56	16.74	19.66	19.53	23.00
N48	30	10	CP-QPSK	L	Inner_1RB_Right	16.42	16.14	19.29	19.16	23.00
N48	30	10	CP-QPSK	L	Outer_Full	16.12	16.32	19.23	19.10	23.00
N48	30	10	CP-16QAM	L	Inner_1RB_Left	15.89	15.96	18.94	18.81	23.00
N48	30	10	CP-16QAM	L	Inner_1RB_Right	15.65	15.45	18.56	18.43	23.00
N48	30	10	CP-16QAM	L	Outer_Full	15.36	15.25	18.32	18.19	23.00
N48	30	10	CP-64QAM	L	Inner_1RB_Left	15.42	15.36	18.40	18.27	23.00
N48	30	10	CP-64QAM	L	Inner_1RB_Right	15.23	15.21	18.23	18.10	23.00
N48	30	10	CP-64QAM	L	Outer_Full	14.32	14.25	17.30	17.17	23.00
N48	30	10	CP-256QAM	L	Inner_1RB_Left	11.23	11.28	14.27	14.14	23.00
N48	30	10	CP-256QAM	L	Inner_1RB_Right	11.25	11.36	14.32	14.19	23.00
N48	30	10	CP-256QAM	L	Outer_Full	11.32	11.42	14.38	14.25	23.00
N48	30	10	CP-QPSK	M	Inner_1RB_Left	16.57	16.56	19.58	19.45	23.00
N48	30	10	CP-QPSK	M	Inner_1RB_Right	16.38	16.51	19.46	19.33	23.00
N48	30	10	CP-QPSK	M	Outer_Full	15	15.13	18.08	17.95	23.00
N48	30	10	CP-16QAM	M	Inner_1RB_Left	16.13	15.88	19.02	18.89	23.00
N48	30	10	CP-16QAM	M	Inner_1RB_Right	16.05	15.81	18.94	18.81	23.00
N48	30	10	CP-16QAM	M	Outer_Full	14.97	15.11	18.05	17.92	23.00
N48	30	10	CP-64QAM	M	Inner_1RB_Left	14.76	14.58	17.68	17.55	23.00
N48	30	10	CP-64QAM	M	Inner_1RB_Right	14.85	14.69	17.78	17.65	23.00
N48	30	10	CP-64QAM	M	Outer_Full	14.66	14.32	17.50	17.37	23.00
N48	30	10	CP-256QAM	M	Inner_1RB_Left	11.51	11.68	14.61	14.48	23.00
N48	30	10	CP-256QAM	M	Inner_1RB_Right	11.31	11.59	14.46	14.33	23.00
N48	30	10	CP-256QAM	M	Outer_Full	11.25	11.36	14.32	14.19	23.00
N48	30	10	CP-QPSK	H	Inner_1RB_Left	16.28	16.09	19.20	19.07	23.00
N48	30	10	CP-QPSK	H	Inner_1RB_Right	16.29	16.09	19.20	19.07	23.00



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.Qoccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

N48	30	10	CP-QPSK	H	Outer_Full	14.81	14.73	17.78	17.65	23.00
N48	30	10	CP-16QAM	H	Inner_1RB_Left	15.91	15.52	18.73	18.60	23.00
N48	30	10	CP-16QAM	H	Inner_1RB_Right	15.94	15.57	18.77	18.64	23.00
N48	30	10	CP-16QAM	H	Outer_Full	14.81	14.7	17.77	17.64	23.00
N48	30	10	CP-64QAM	H	Inner_1RB_Left	14.79	14.96	17.89	17.76	23.00
N48	30	10	CP-64QAM	H	Inner_1RB_Right	14.85	14.52	17.70	17.57	23.00
N48	30	10	CP-64QAM	H	Outer_Full	14.23	14.14	17.20	17.07	23.00
N48	30	10	CP-256QAM	H	Inner_1RB_Left	11.14	11.38	14.27	14.14	23.00
N48	30	10	CP-256QAM	H	Inner_1RB_Right	11.12	11.21	14.18	14.05	23.00
N48	30	10	CP-256QAM	H	Outer_Full	11.32	11.19	14.27	14.14	23.00
N48	30	15	CP-QPSK	L	Inner_1RB_Left	16.17	16.34	19.27	19.14	23.00
N48	30	15	CP-QPSK	L	Inner_1RB_Right	16.33	16.35	19.35	19.22	23.00
N48	30	15	CP-QPSK	L	Outer_Full	14.92	14.67	17.81	17.68	23.00
N48	30	15	CP-16QAM	L	Inner_1RB_Left	15.94	15.69	18.83	18.70	23.00
N48	30	15	CP-16QAM	L	Inner_1RB_Right	15.93	15.67	18.81	18.68	23.00
N48	30	15	CP-16QAM	L	Outer_Full	14.97	14.73	17.86	17.73	23.00
N48	30	15	CP-64QAM	L	Inner_1RB_Left	14.6	14.26	17.44	17.31	23.00
N48	30	15	CP-64QAM	L	Inner_1RB_Right	14.25	14.32	17.30	17.17	23.00
N48	30	15	CP-64QAM	L	Outer_Full	14.25	14.55	17.41	17.28	23.00
N48	30	15	CP-256QAM	L	Inner_1RB_Left	11.29	11.33	14.32	14.19	23.00
N48	30	15	CP-256QAM	L	Inner_1RB_Right	11.18	11.33	14.27	14.14	23.00
N48	30	15	CP-256QAM	L	Outer_Full	11.25	11.63	14.45	14.32	23.00
N48	30	15	CP-QPSK	M	Inner_1RB_Left	16.7	16.67	19.70	19.57	23.00
N48	30	15	CP-QPSK	M	Inner_1RB_Right	16.36	16.54	19.46	19.33	23.00
N48	30	15	CP-QPSK	M	Outer_Full	15.01	15.06	18.05	17.92	23.00
N48	30	15	CP-16QAM	M	Inner_1RB_Left	16.16	15.91	19.05	18.92	23.00
N48	30	15	CP-16QAM	M	Inner_1RB_Right	15.88	15.71	18.81	18.68	23.00
N48	30	15	CP-16QAM	M	Outer_Full	15.01	15.07	18.05	17.92	23.00
N48	30	15	CP-64QAM	M	Inner_1RB_Left	14.73	14.59	17.67	17.54	23.00
N48	30	15	CP-64QAM	M	Inner_1RB_Right	14.85	14.63	17.75	17.62	23.00
N48	30	15	CP-64QAM	M	Outer_Full	14.23	14.21	17.23	17.10	23.00
N48	30	15	CP-256QAM	M	Inner_1RB_Left	11.6	11.66	14.64	14.51	23.00
N48	30	15	CP-256QAM	M	Inner_1RB_Right	11.2	11.56	14.39	14.26	23.00



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.Qoccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

N48	30	15	CP-256QAM	M	Outer_Full	11.25	11.36	14.32	14.19	23.00
N48	30	15	CP-QPSK	H	Inner_1RB_Left	16.34	16.46	19.41	19.28	23.00
N48	30	15	CP-QPSK	H	Inner_1RB_Right	16.37	16.31	19.35	19.22	23.00
N48	30	15	CP-QPSK	H	Outer_Full	14.79	14.76	17.79	17.66	23.00
N48	30	15	CP-16QAM	H	Inner_1RB_Left	15.89	15.77	18.84	18.71	23.00
N48	30	15	CP-16QAM	H	Inner_1RB_Right	15.94	15.57	18.77	18.64	23.00
N48	30	15	CP-16QAM	H	Outer_Full	14.81	14.78	17.81	17.68	23.00
N48	30	15	CP-64QAM	H	Inner_1RB_Left	14.35	14.48	17.43	17.30	23.00
N48	30	15	CP-64QAM	H	Inner_1RB_Right	14.52	14.33	17.44	17.31	23.00
N48	30	15	CP-64QAM	H	Outer_Full	14.25	14.36	17.32	17.19	23.00
N48	30	15	CP-256QAM	H	Inner_1RB_Left	11.15	11.45	14.31	14.18	23.00
N48	30	15	CP-256QAM	H	Inner_1RB_Right	11.13	11.28	14.22	14.09	23.00
N48	30	15	CP-256QAM	H	Outer_Full	11.25	11.34	14.31	14.18	23.00
N48	30	20	CP-QPSK	L	Inner_1RB_Left	16.38	15.91	19.16	19.03	23.00
N48	30	20	CP-QPSK	L	Inner_1RB_Right	16.56	16.7	19.64	19.51	23.00
N48	30	20	CP-QPSK	L	Outer_Full	14.99	14.81	17.91	17.78	23.00
N48	30	20	CP-16QAM	L	Inner_1RB_Left	15.99	15.71	18.86	18.73	23.00
N48	30	20	CP-16QAM	L	Inner_1RB_Right	16.07	16.06	19.08	18.95	23.00
N48	30	20	CP-16QAM	L	Outer_Full	14.98	14.83	17.92	17.79	23.00
N48	30	20	CP-64QAM	L	Inner_1RB_Left	14.5	14.3	17.41	17.28	23.00
N48	30	20	CP-64QAM	L	Inner_1RB_Right	14.25	14.36	17.32	17.19	23.00
N48	30	20	CP-64QAM	L	Outer_Full	14.33	14.16	17.26	17.13	23.00
N48	30	20	CP-256QAM	L	Inner_1RB_Left	11.54	11.52	14.54	14.41	23.00
N48	30	20	CP-256QAM	L	Inner_1RB_Right	11.38	11.63	14.52	14.39	23.00
N48	30	20	CP-256QAM	L	Outer_Full	11.57	11.36	14.48	14.35	23.00
N48	30	20	CP-QPSK	M	Inner_1RB_Left	16.64	16.7	19.68	19.55	23.00
N48	30	20	CP-QPSK	M	Inner_1RB_Right	16.33	16.26	19.31	19.18	23.00
N48	30	20	CP-QPSK	M	Outer_Full	15	15.08	18.05	17.92	23.00
N48	30	20	CP-16QAM	M	Inner_1RB_Left	16.17	15.87	19.03	18.90	23.00
N48	30	20	CP-16QAM	M	Inner_1RB_Right	15.88	15.55	18.73	18.60	23.00
N48	30	20	CP-16QAM	M	Outer_Full	15.42	15.3	18.37	18.24	23.00
N48	30	20	CP-64QAM	M	Inner_1RB_Left	14.46	14.53	17.51	17.38	23.00
N48	30	20	CP-64QAM	M	Inner_1RB_Right	14.54	14.19	17.38	17.25	23.00



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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

N48	30	20	CP-64QAM	M	Outer_Full	14.46	14.53	17.51	17.38	23.00
N48	30	20	CP-256QAM	M	Inner_1RB_Left	11.58	11.68	14.64	14.51	23.00
N48	30	20	CP-256QAM	M	Inner_1RB_Right	11.25	11.32	14.30	14.17	23.00
N48	30	20	CP-256QAM	M	Outer_Full	11.6	11.69	14.66	14.53	23.00
N48	30	20	CP-QPSK	H	Inner_1RB_Left	16.35	16.54	19.46	19.33	23.00
N48	30	20	CP-QPSK	H	Inner_1RB_Right	16.4	16.31	19.37	19.24	23.00
N48	30	20	CP-QPSK	H	Outer_Full	14.76	14.85	17.82	17.69	23.00
N48	30	20	CP-16QAM	H	Inner_1RB_Left	15.91	15.87	18.90	18.77	23.00
N48	30	20	CP-16QAM	H	Inner_1RB_Right	15.99	15.55	18.79	18.66	23.00
N48	30	20	CP-16QAM	H	Outer_Full	14.73	14.87	17.81	17.68	23.00
N48	30	20	CP-64QAM	H	Inner_1RB_Left	14.42	14.21	17.33	17.20	23.00
N48	30	20	CP-64QAM	H	Inner_1RB_Right	14.25	14.69	17.49	17.36	23.00
N48	30	20	CP-64QAM	H	Outer_Full	14.12	14.28	17.21	17.08	23.00
N48	30	20	CP-256QAM	H	Inner_1RB_Left	11.19	11.52	14.37	14.24	23.00
N48	30	20	CP-256QAM	H	Inner_1RB_Right	11.24	11.26	14.26	14.13	23.00
N48	30	20	CP-256QAM	H	Outer_Full	11.32	11.25	14.30	14.17	23.00
N48	30	40	CP-QPSK	L	Inner_1RB_Left	16.52	16.47	19.51	19.38	23.00
N48	30	40	CP-QPSK	L	Inner_1RB_Right	16.88	16.48	19.69	19.56	23.00
N48	30	40	CP-QPSK	L	Outer_Full	14.97	14.91	17.95	17.82	23.00
N48	30	40	CP-16QAM	L	Inner_1RB_Left	14.85	14.99	17.93	17.80	23.00
N48	30	40	CP-16QAM	L	Inner_1RB_Right	14.58	14.65	17.63	17.50	23.00
N48	30	40	CP-16QAM	L	Outer_Full	14.98	14.94	17.97	17.84	23.00
N48	30	40	CP-64QAM	L	Inner_1RB_Left	14.56	14.42	17.50	17.37	23.00
N48	30	40	CP-64QAM	L	Inner_1RB_Right	14.63	14.52	17.59	17.46	23.00
N48	30	40	CP-64QAM	L	Outer_Full	14.23	14.22	17.24	17.11	23.00
N48	30	40	CP-256QAM	L	Inner_1RB_Left	11.37	11.42	14.41	14.28	23.00
N48	30	40	CP-256QAM	L	Inner_1RB_Right	11.25	11.35	14.31	14.18	23.00
N48	30	40	CP-256QAM	L	Outer_Full	11.36	11.52	14.45	14.32	23.00
N48	30	40	CP-QPSK	M	Inner_1RB_Left	16.77	16.71	19.75	19.62	23.00
N48	30	40	CP-QPSK	M	Inner_1RB_Right	16.3	16.33	19.33	19.20	23.00
N48	30	40	CP-QPSK	M	Outer_Full	14.97	14.93	17.96	17.83	23.00
N48	30	40	CP-16QAM	M	Inner_1RB_Left	16.34	16.05	19.21	19.08	23.00
N48	30	40	CP-16QAM	M	Inner_1RB_Right	15.91	15.36	18.65	18.52	23.00



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.Qoccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

N48	30	40	CP-16QAM	M	Outer_Full	14.95	14.92	17.95	17.82	23.00
N48	30	40	CP-64QAM	M	Inner_1RB_Left	14.77	14.58	17.69	17.56	23.00
N48	30	40	CP-64QAM	M	Inner_1RB_Right	14.76	14.63	17.71	17.58	23.00
N48	30	40	CP-64QAM	M	Outer_Full	14.52	14.23	17.39	17.26	23.00
N48	30	40	CP-256QAM	M	Inner_1RB_Left	11.96	11.68	14.83	14.70	23.00
N48	30	40	CP-256QAM	M	Inner_1RB_Right	11.43	11.11	14.28	14.15	23.00
N48	30	40	CP-256QAM	M	Outer_Full	11.25	11.36	14.32	14.19	23.00
N48	30	40	CP-QPSK	H	Inner_1RB_Left	16.39	16.66	19.54	19.41	23.00
N48	30	40	CP-QPSK	H	Inner_1RB_Right	16.4	16.36	19.39	19.26	23.00
N48	30	40	CP-QPSK	H	Outer_Full	16.25	16.34	19.31	19.18	23.00
N48	30	40	CP-16QAM	H	Inner_1RB_Left	16.21	16.12	19.18	19.05	23.00
N48	30	40	CP-16QAM	H	Inner_1RB_Right	15.63	15.58	18.62	18.49	23.00
N48	30	40	CP-16QAM	H	Outer_Full	15.21	15.34	18.29	18.16	23.00
N48	30	40	CP-64QAM	H	Inner_1RB_Left	14.52	14.36	17.45	17.32	23.00
N48	30	40	CP-64QAM	H	Inner_1RB_Right	14.33	14.25	17.30	17.17	23.00
N48	30	40	CP-64QAM	H	Outer_Full	14.23	14.25	17.25	17.12	23.00
N48	30	40	CP-256QAM	H	Inner_1RB_Left	11.25	11.62	14.45	14.32	23.00
N48	30	40	CP-256QAM	H	Inner_1RB_Right	11.56	11.25	14.42	14.29	23.00
N48	30	40	CP-256QAM	H	Outer_Full	11.36	11.52	14.45	14.32	23.00
N48	15	40	CP-QPSK	L	Inner_1RB_Left	16.52	16.47	19.31	19.18	23.00
N48	15	40	CP-QPSK	L	Inner_1RB_Right	16.88	16.48	19.50	19.37	23.00
N48	15	40	CP-QPSK	L	Outer_Full	14.97	14.91	17.77	17.64	23.00
N48	15	40	CP-16QAM	L	Inner_1RB_Left	14.85	14.99	17.75	17.62	23.00
N48	15	40	CP-16QAM	L	Inner_1RB_Right	14.58	14.65	17.45	17.32	23.00
N48	15	40	CP-16QAM	L	Outer_Full	14.98	14.94	17.79	17.66	23.00
N48	15	40	CP-64QAM	L	Inner_1RB_Left	14.56	14.42	17.33	17.20	23.00
N48	15	40	CP-64QAM	L	Inner_1RB_Right	14.63	14.52	17.41	17.28	23.00
N48	15	40	CP-64QAM	L	Outer_Full	14.23	14.22	17.06	16.93	23.00
N48	15	40	CP-256QAM	L	Inner_1RB_Left	11.37	11.42	14.26	14.13	23.00
N48	15	40	CP-256QAM	L	Inner_1RB_Right	11.25	11.35	14.17	14.04	23.00
N48	15	40	CP-256QAM	L	Outer_Full	11.36	11.52	14.31	14.18	23.00
N48	15	40	CP-QPSK	M	Inner_1RB_Left	16.77	16.71	19.55	19.42	23.00
N48	15	40	CP-QPSK	M	Inner_1RB_Right	16.3	16.33	19.13	19.00	23.00



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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

N48	15	40	CP-QPSK	M	Outer_Full	14.97	14.93	17.78	17.65	23.00
N48	15	40	CP-16QAM	M	Inner_1RB_Left	16.34	16.05	19.02	18.89	23.00
N48	15	40	CP-16QAM	M	Inner_1RB_Right	15.91	15.36	18.47	18.34	23.00
N48	15	40	CP-16QAM	M	Outer_Full	14.95	14.92	17.77	17.64	23.00
N48	15	40	CP-64QAM	M	Inner_1RB_Left	14.77	14.58	17.51	17.38	23.00
N48	15	40	CP-64QAM	M	Inner_1RB_Right	14.76	14.63	17.53	17.40	23.00
N48	15	40	CP-64QAM	M	Outer_Full	14.52	14.23	17.21	17.08	23.00
N48	15	40	CP-256QAM	M	Inner_1RB_Left	11.96	11.68	14.68	14.55	23.00
N48	15	40	CP-256QAM	M	Inner_1RB_Right	11.43	11.11	14.14	14.01	23.00
N48	15	40	CP-256QAM	M	Outer_Full	11.25	11.36	14.17	14.04	23.00
N48	15	40	CP-QPSK	H	Inner_1RB_Left	16.39	16.66	19.34	19.21	23.00
N48	15	40	CP-QPSK	H	Inner_1RB_Right	16.4	16.36	19.20	19.07	23.00
N48	15	40	CP-QPSK	H	Outer_Full	16.25	16.34	19.11	18.98	23.00
N48	15	40	CP-16QAM	H	Inner_1RB_Left	16.21	16.12	18.98	18.85	23.00
N48	15	40	CP-16QAM	H	Inner_1RB_Right	15.63	15.58	18.43	18.30	23.00
N48	15	40	CP-16QAM	H	Outer_Full	15.21	15.34	18.10	17.97	23.00
N48	15	40	CP-64QAM	H	Inner_1RB_Left	14.52	14.36	17.28	17.15	23.00
N48	15	40	CP-64QAM	H	Inner_1RB_Right	14.33	14.25	17.13	17.00	23.00
N48	15	40	CP-64QAM	H	Outer_Full	14.23	14.25	17.08	16.95	23.00
N48	15	40	CP-256QAM	H	Inner_1RB_Left	11.25	11.62	14.30	14.17	23.00
N48	15	40	CP-256QAM	H	Inner_1RB_Right	11.56	11.25	14.27	14.14	23.00
N48	15	40	CP-256QAM	H	Outer_Full	11.36	11.52	14.31	14.18	23.00



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.Qoccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

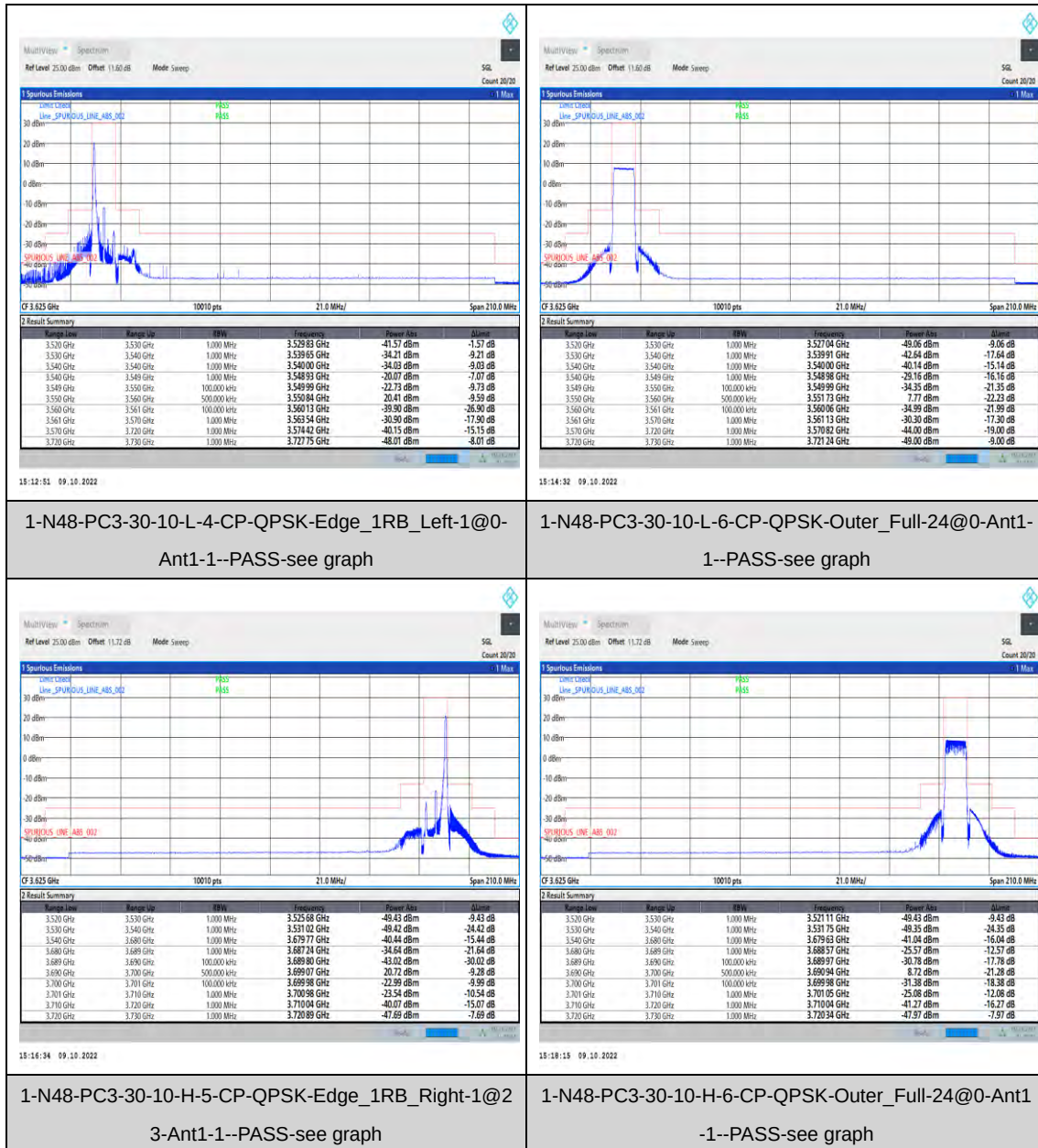
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn

t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

Band Edge for MIMO

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.

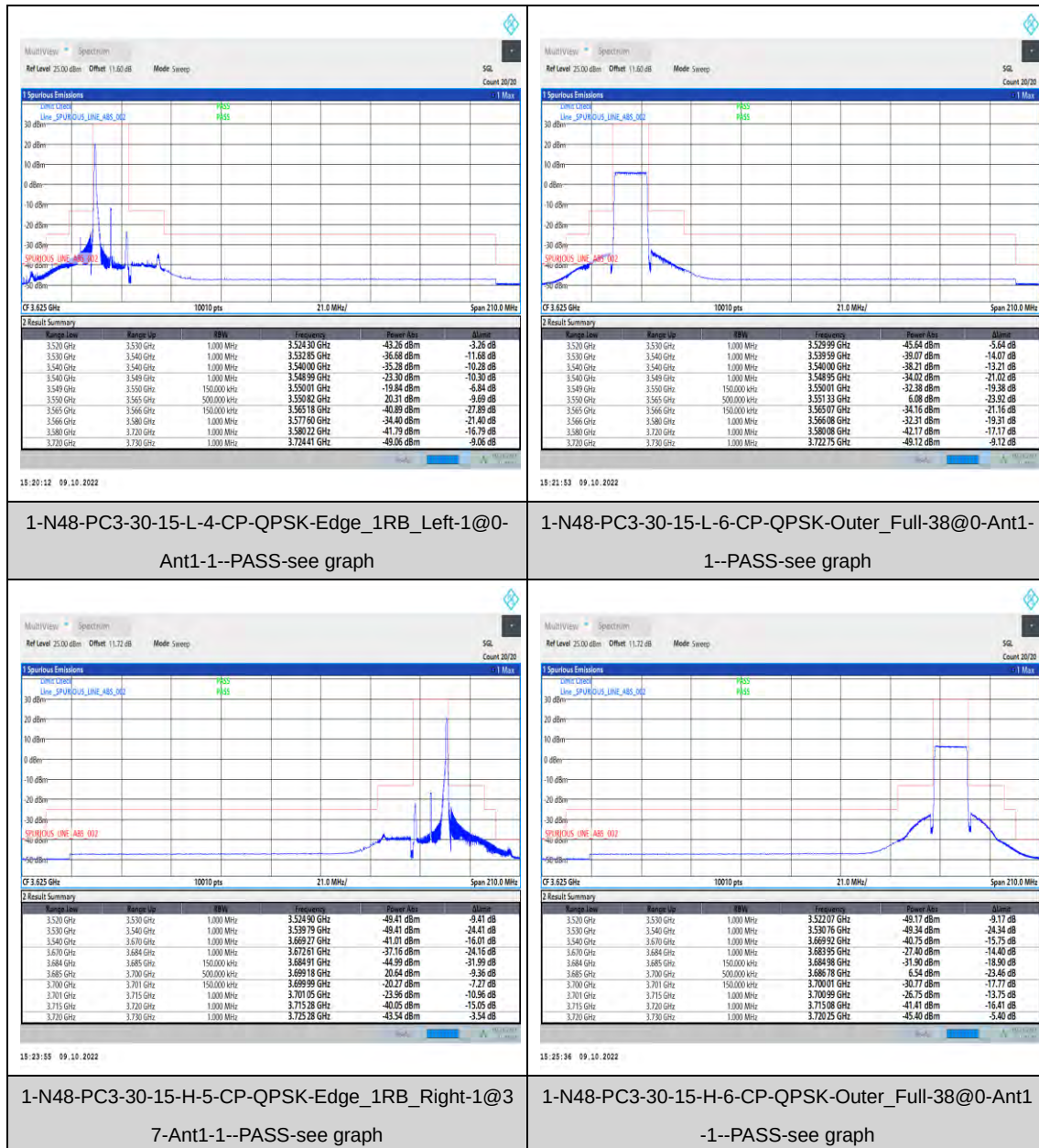
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

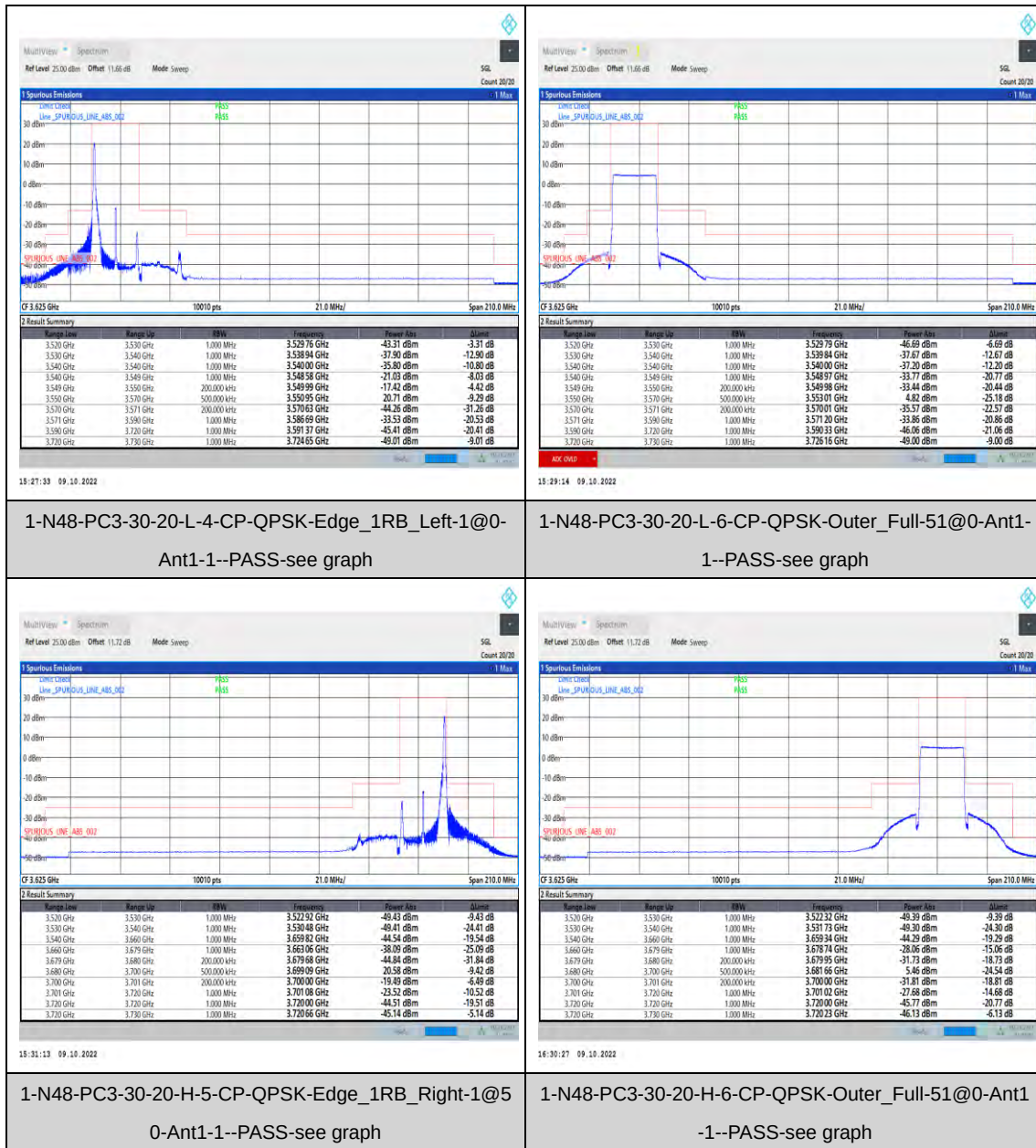
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

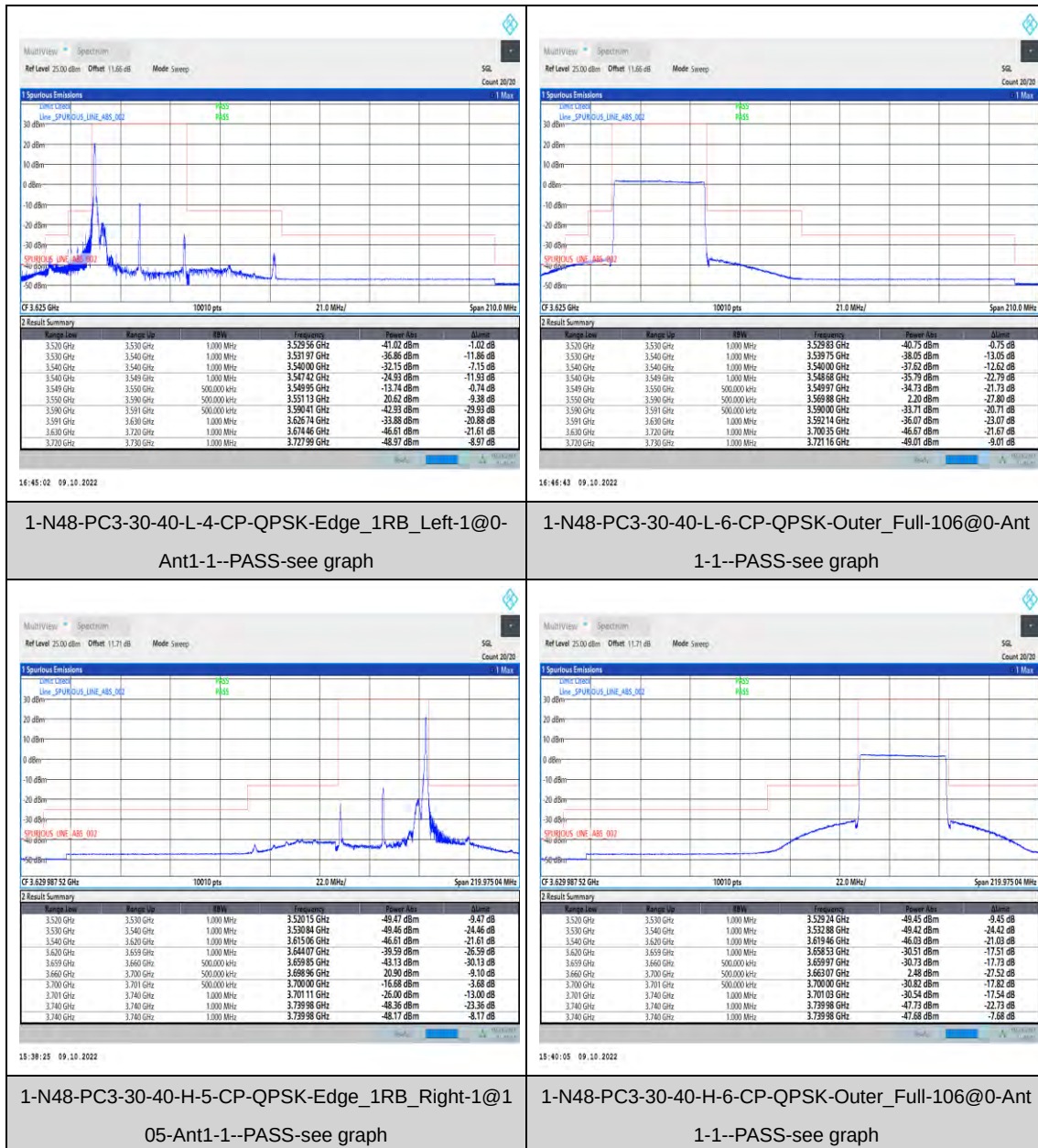


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

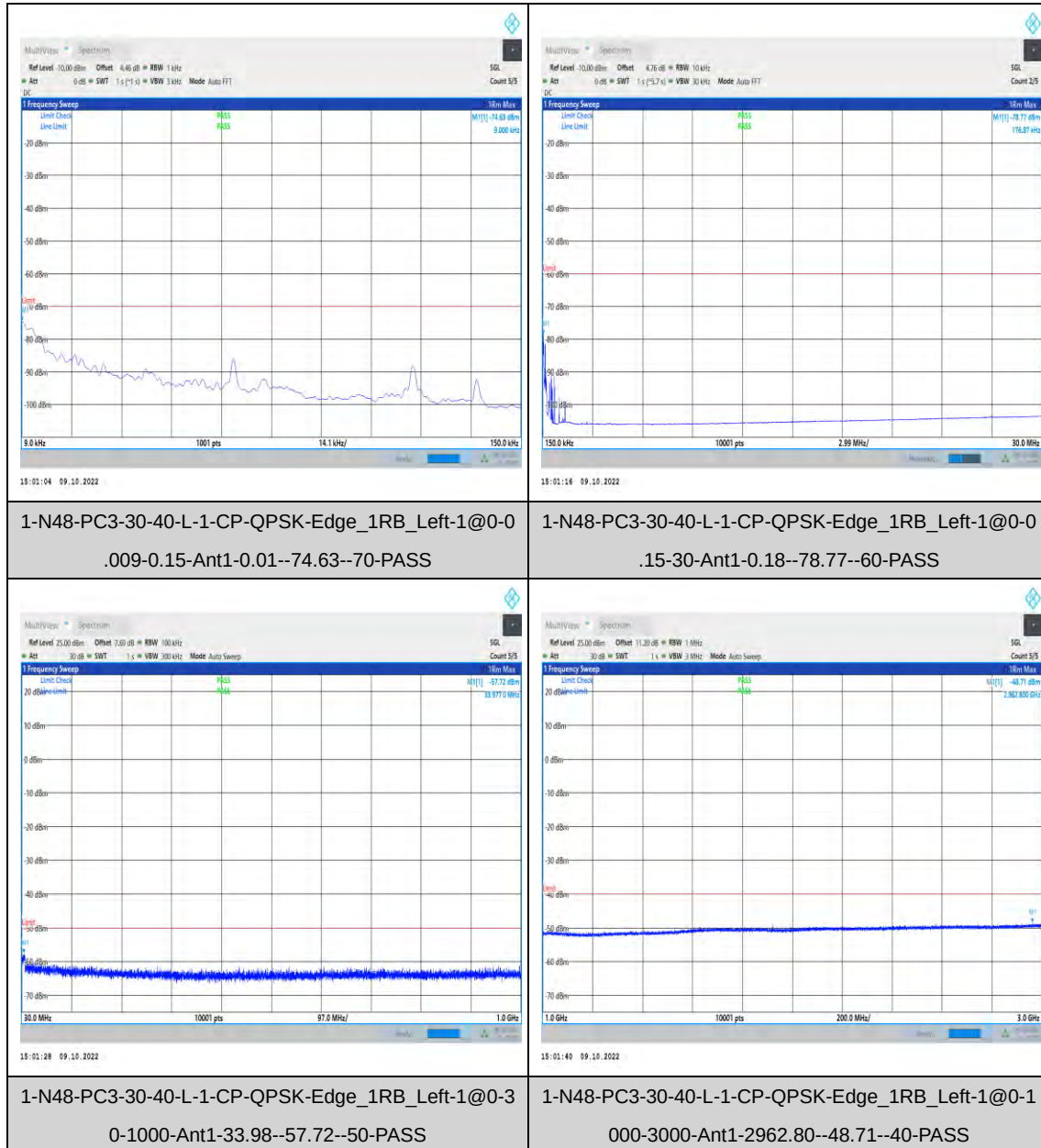
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Conducted Spurious Emission for MIMO ANT1

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.

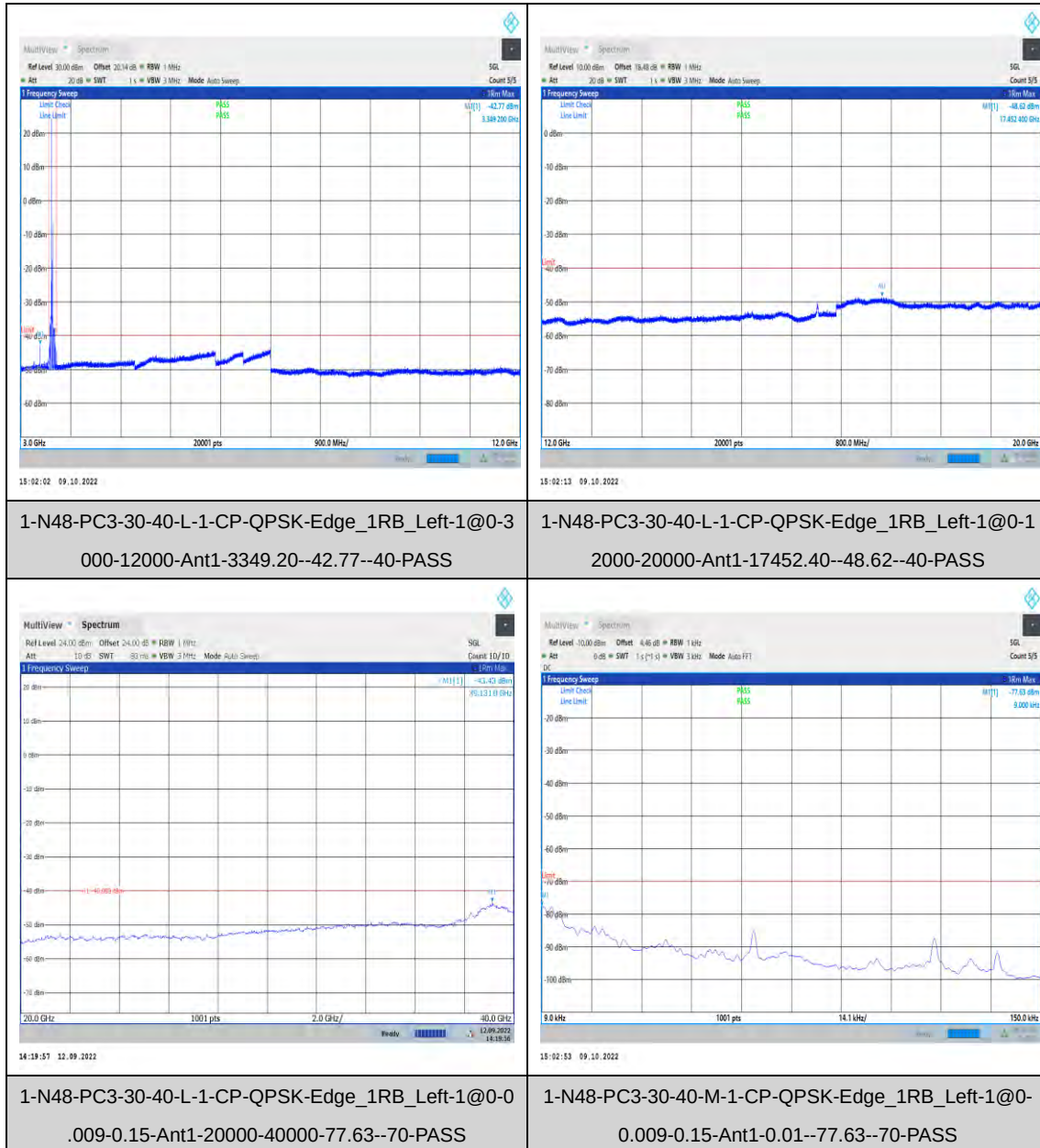
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Qoccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

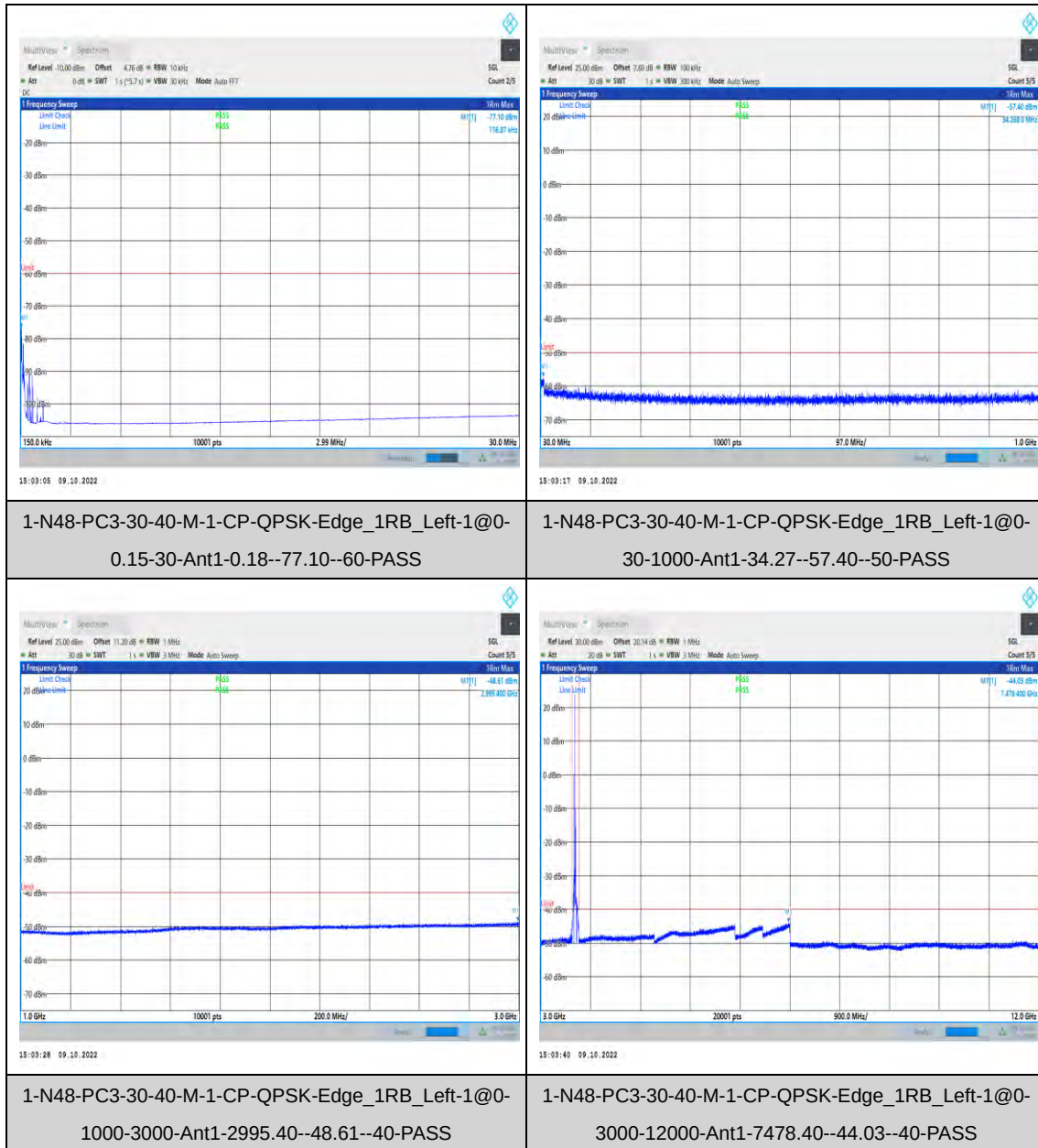
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

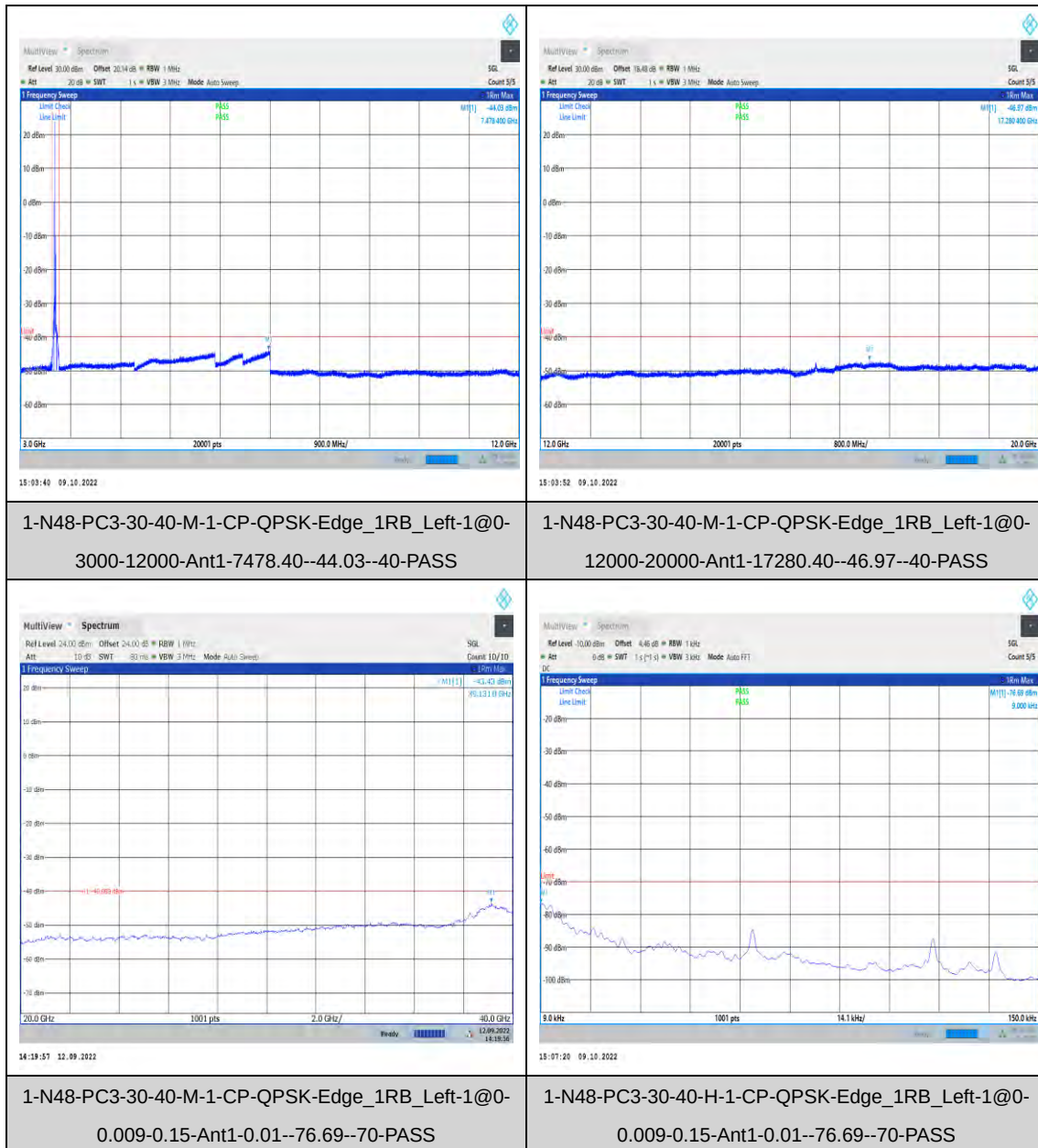


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn
t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com



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.

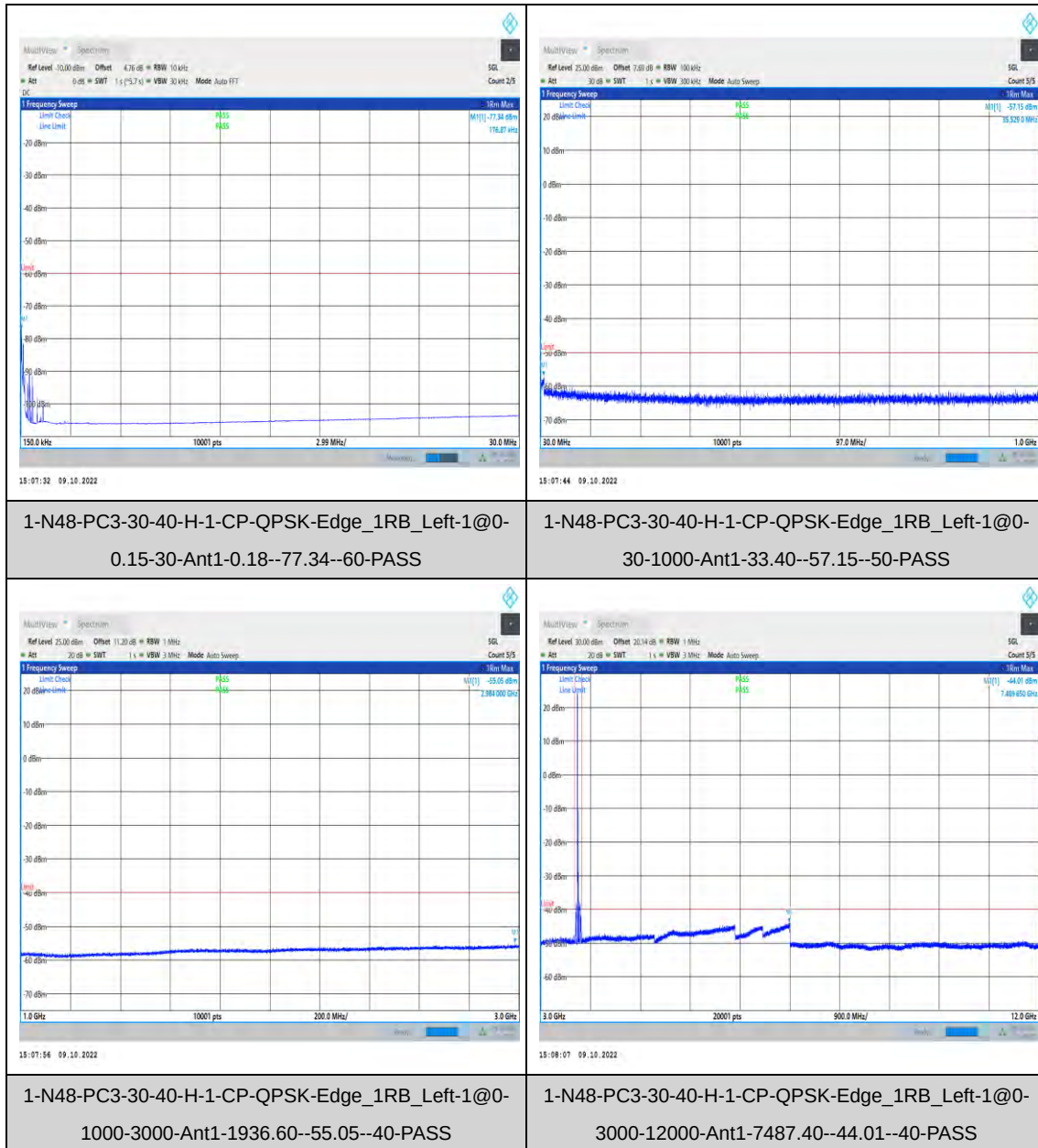
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

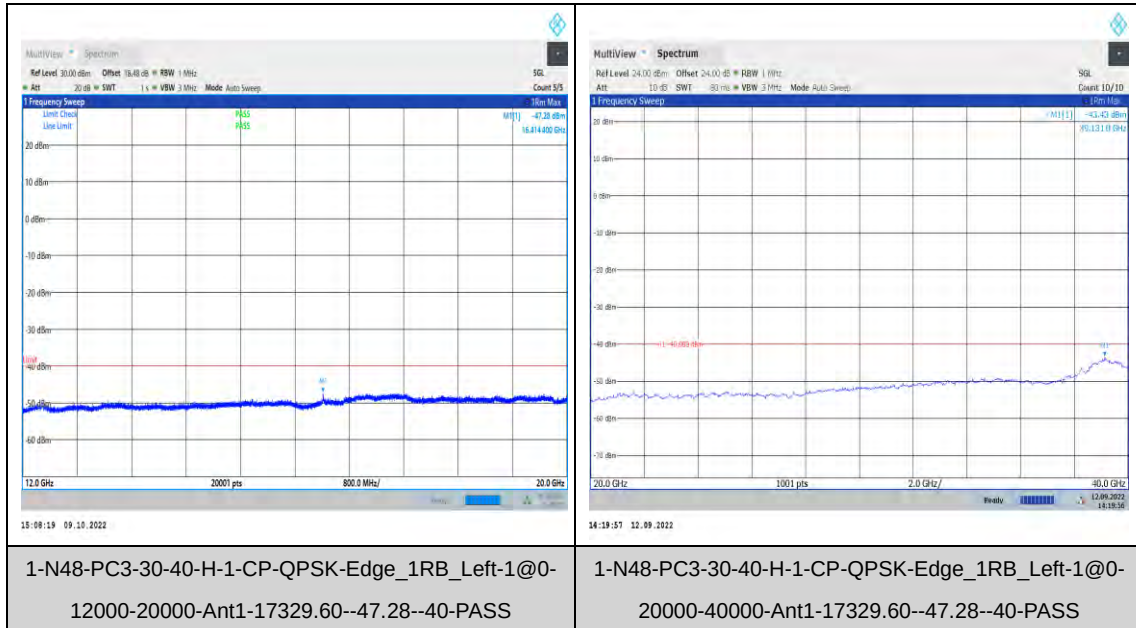


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.Qoccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Power Spectral Density Mimo

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	ANT1	ANT2	Total	Eirp	Limit	Verdict
N48	30	10	CP-QPSK	L	Inner_1RB_Left	17.33	16.54	19.96	21.01	23	PASS
N48	30	10	CP-QPSK	L	Inner_1RB_Right	17.26	16.73	20.01	21.06	23	PASS
N48	30	10	CP-QPSK	L	Outer_Full	15.22	14.36	17.82	18.87	23	PASS
N48	30	10	CP-QPSK	M	Inner_1RB_Left	17.18	17.71	20.46	21.51	23	PASS
N48	30	10	CP-QPSK	M	Inner_1RB_Right	17.03	16.84	19.95	21.00	23	PASS
N48	30	10	CP-QPSK	M	Outer_Full	15.69	13.98	17.93	18.98	23	PASS
N48	30	10	CP-QPSK	H	Inner_1RB_Left	17.39	16.46	19.96	21.01	23	PASS
N48	30	10	CP-QPSK	H	Inner_1RB_Right	17.81	17.19	20.52	21.57	23	PASS
N48	30	10	CP-QPSK	H	Outer_Full	16.16	14.59	18.46	19.51	23	PASS
N48	30	15	CP-QPSK	L	Inner_1RB_Left	17.11	17.27	20.20	21.25	23	PASS
N48	30	15	CP-QPSK	L	Inner_1RB_Right	16.64	16.56	19.61	20.66	23	PASS
N48	30	15	CP-QPSK	L	Outer_Full	14.35	14.22	17.30	18.35	23	PASS
N48	30	15	CP-QPSK	M	Inner_1RB_Left	17.84	16.84	20.38	21.43	23	PASS
N48	30	15	CP-QPSK	M	Inner_1RB_Right	18.43	16.91	20.75	21.80	23	PASS
N48	30	15	CP-QPSK	M	Outer_Full	14.81	13.81	17.35	18.40	23	PASS
N48	30	15	CP-QPSK	H	Inner_1RB_Left	17.63	16.74	20.22	21.27	23	PASS
N48	30	15	CP-QPSK	H	Inner_1RB_Right	17.3	16.89	20.11	21.16	23	PASS
N48	30	15	CP-QPSK	H	Outer_Full	14.4	13.62	17.04	18.09	23	PASS
N48	30	20	CP-QPSK	L	Inner_1RB_Left	16.85	16.47	19.67	20.72	23	PASS
N48	30	20	CP-QPSK	L	Inner_1RB_Right	17.34	17.29	20.33	21.38	23	PASS
N48	30	20	CP-QPSK	L	Outer_Full	13.72	13.05	16.41	17.46	23	PASS
N48	30	20	CP-QPSK	M	Inner_1RB_Left	17.51	16.32	19.97	21.02	23	PASS
N48	30	20	CP-QPSK	M	Inner_1RB_Right	17.97	16.99	20.52	21.57	23	PASS
N48	30	20	CP-QPSK	M	Outer_Full	13.82	12.46	16.20	17.25	23	PASS
N48	30	20	CP-QPSK	H	Inner_1RB_Left	17.97	17.11	20.57	21.62	23	PASS
N48	30	20	CP-QPSK	H	Inner_1RB_Right	17.25	17.31	20.29	21.34	23	PASS
N48	30	20	CP-QPSK	H	Outer_Full	14.22	13.31	16.80	17.85	23	PASS
N48	30	40	CP-QPSK	L	Inner_1RB_Left	18.11	16.75	20.49	21.54	23	PASS
N48	30	40	CP-QPSK	L	Inner_1RB_Right	17.69	17.21	20.47	21.52	23	PASS
N48	30	40	CP-QPSK	L	Outer_Full	10	10	13.01	14.06	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-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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Compliance Certification Services (Kunshan) Inc.

18 of 36

N48	30	40	CP-QPSK	M	Inner_1RB_Left	18.53	16.94	20.82	21.87	23	PASS
N48	30	40	CP-QPSK	M	Inner_1RB_Right	17.35	16.56	19.98	21.03	23	PASS
N48	30	40	CP-QPSK	M	Outer_Full	11.26	10.47	13.89	14.94	23	PASS
N48	30	40	CP-QPSK	H	Inner_1RB_Left	17.34	17.63	20.50	21.55	23	PASS
N48	30	40	CP-QPSK	H	Inner_1RB_Right	17.87	17.39	20.65	21.70	23	PASS
N48	30	40	CP-QPSK	H	Outer_Full	10.21	9.83	13.03	14.08	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-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.Qoccheck@sgs.com

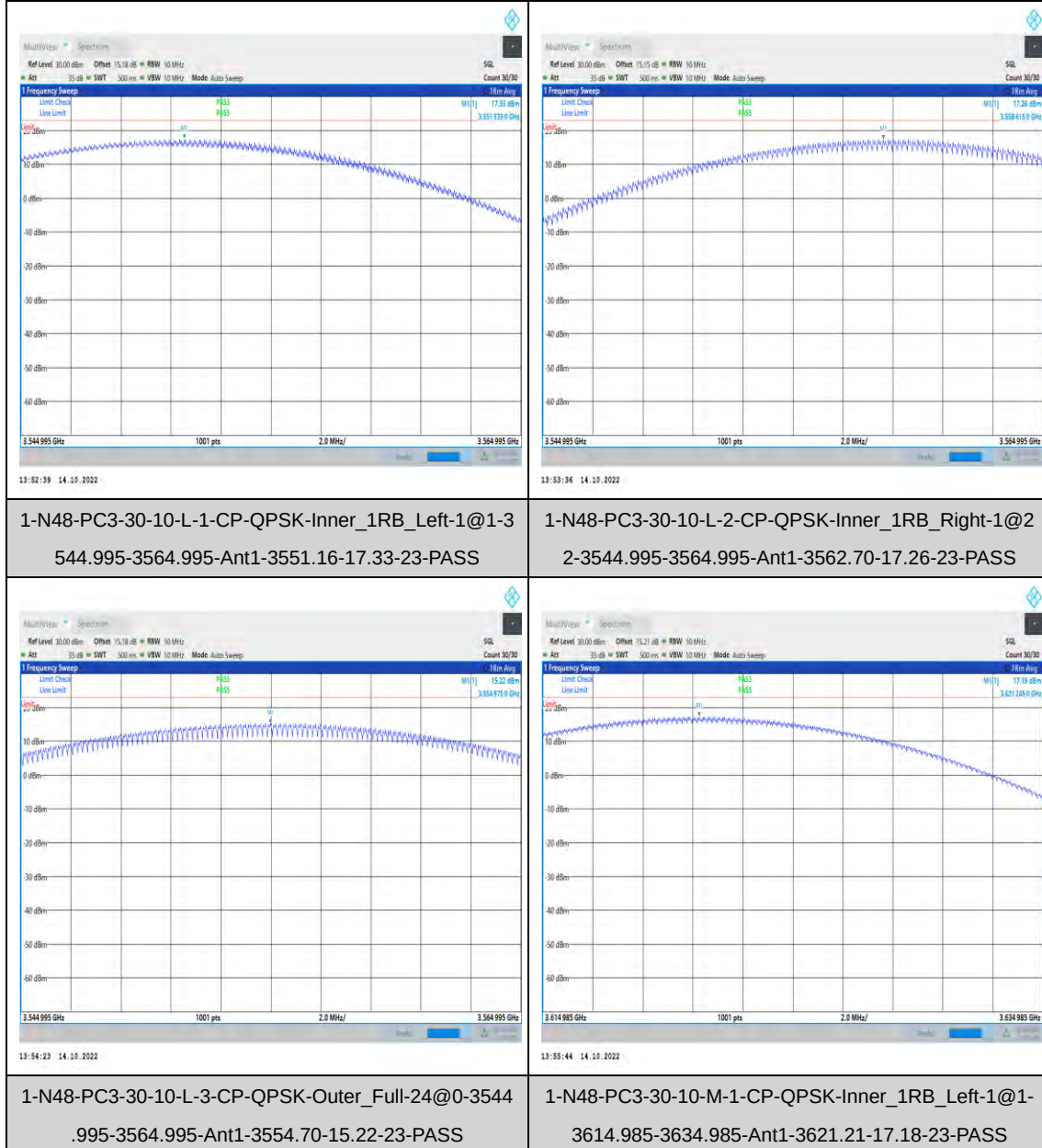
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

Test Graphs Ant1

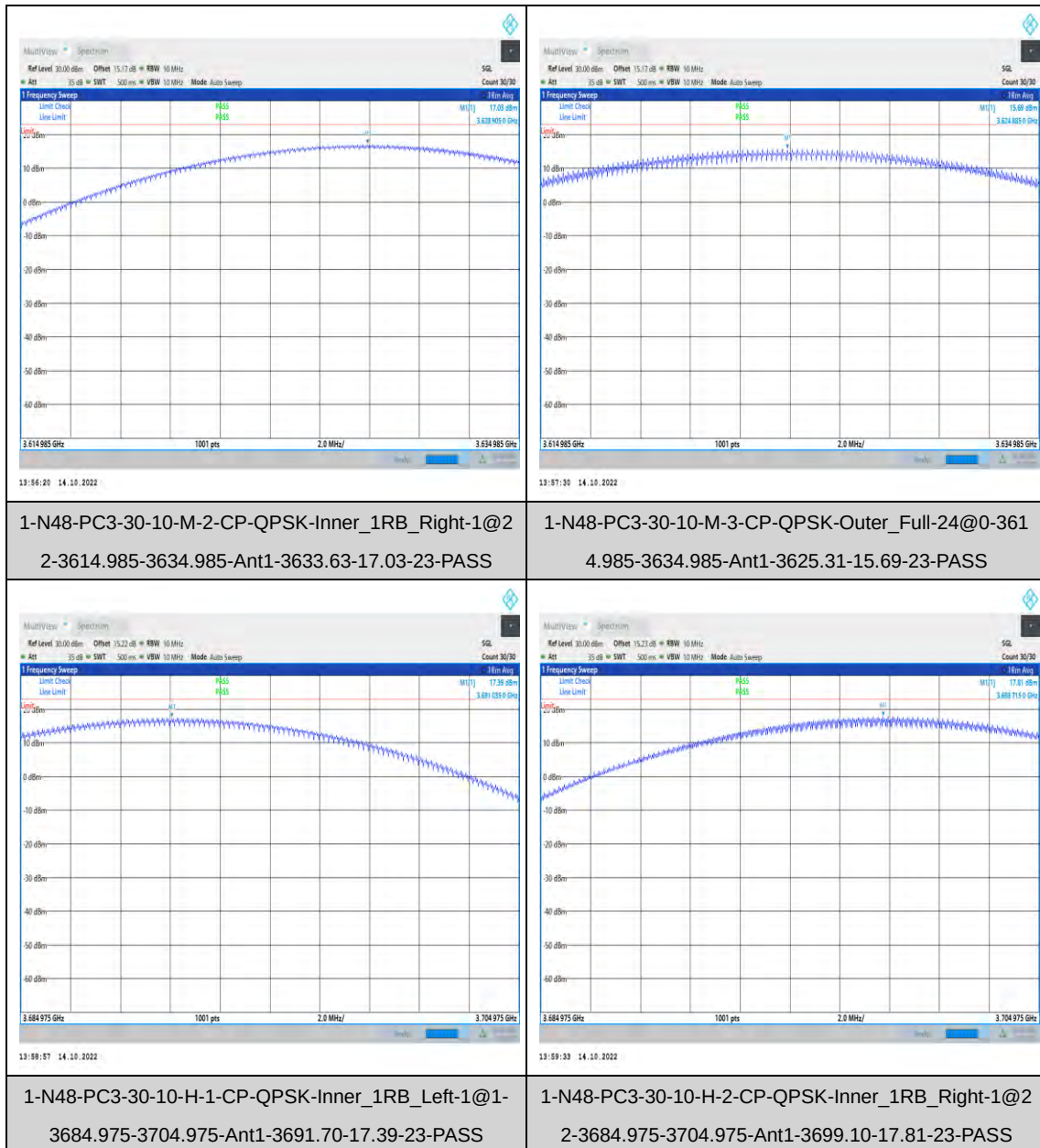


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

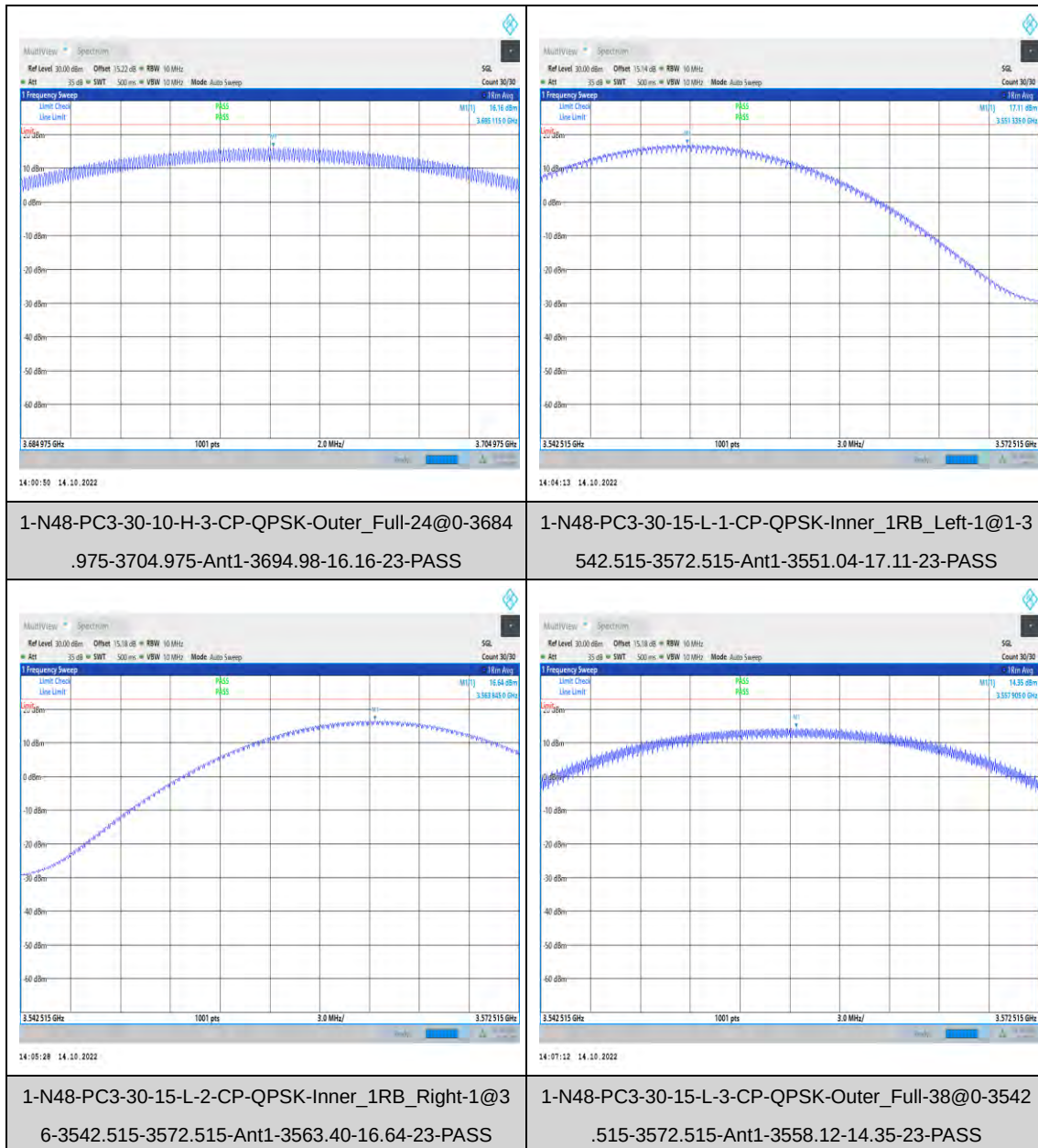


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

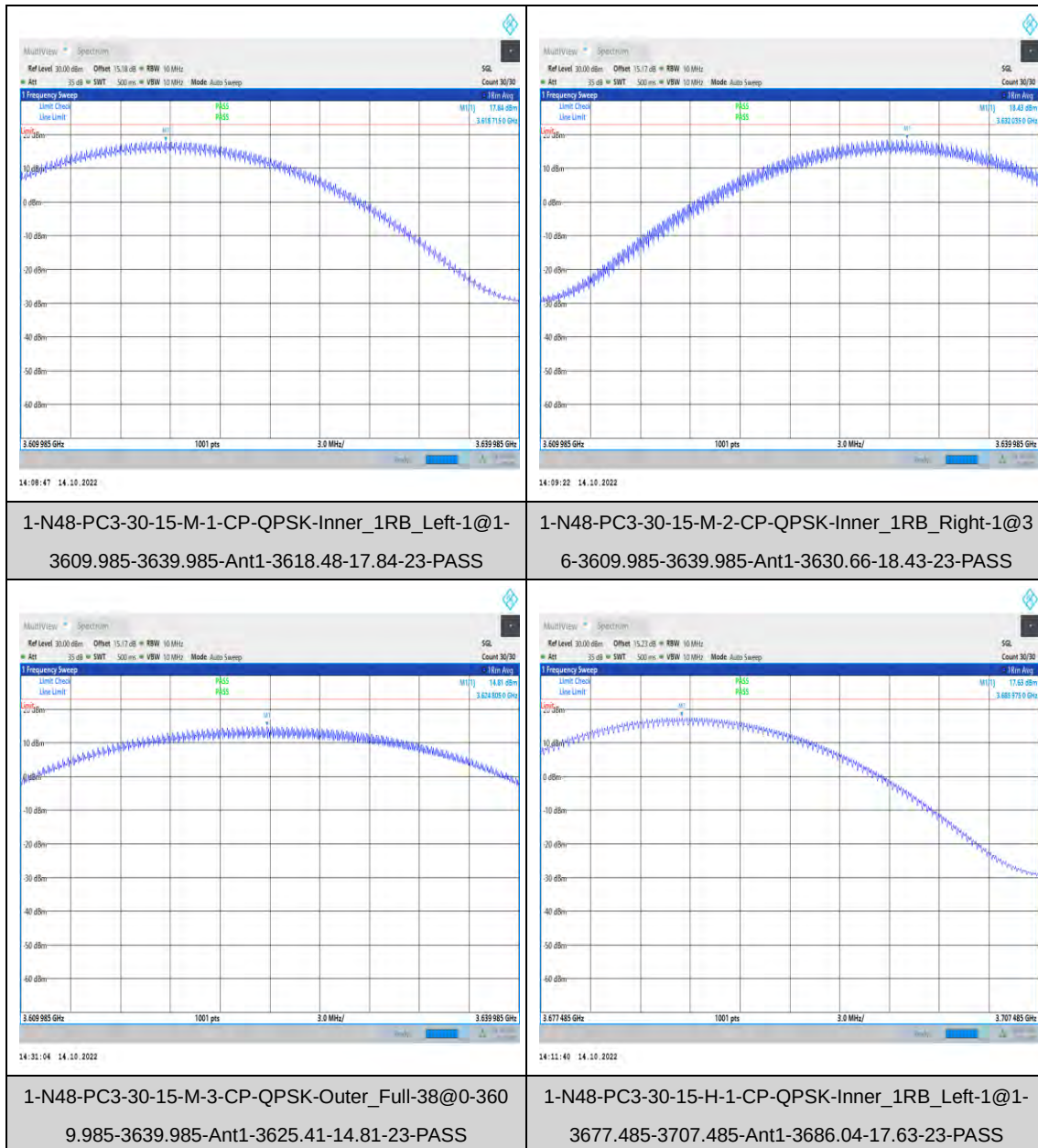
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

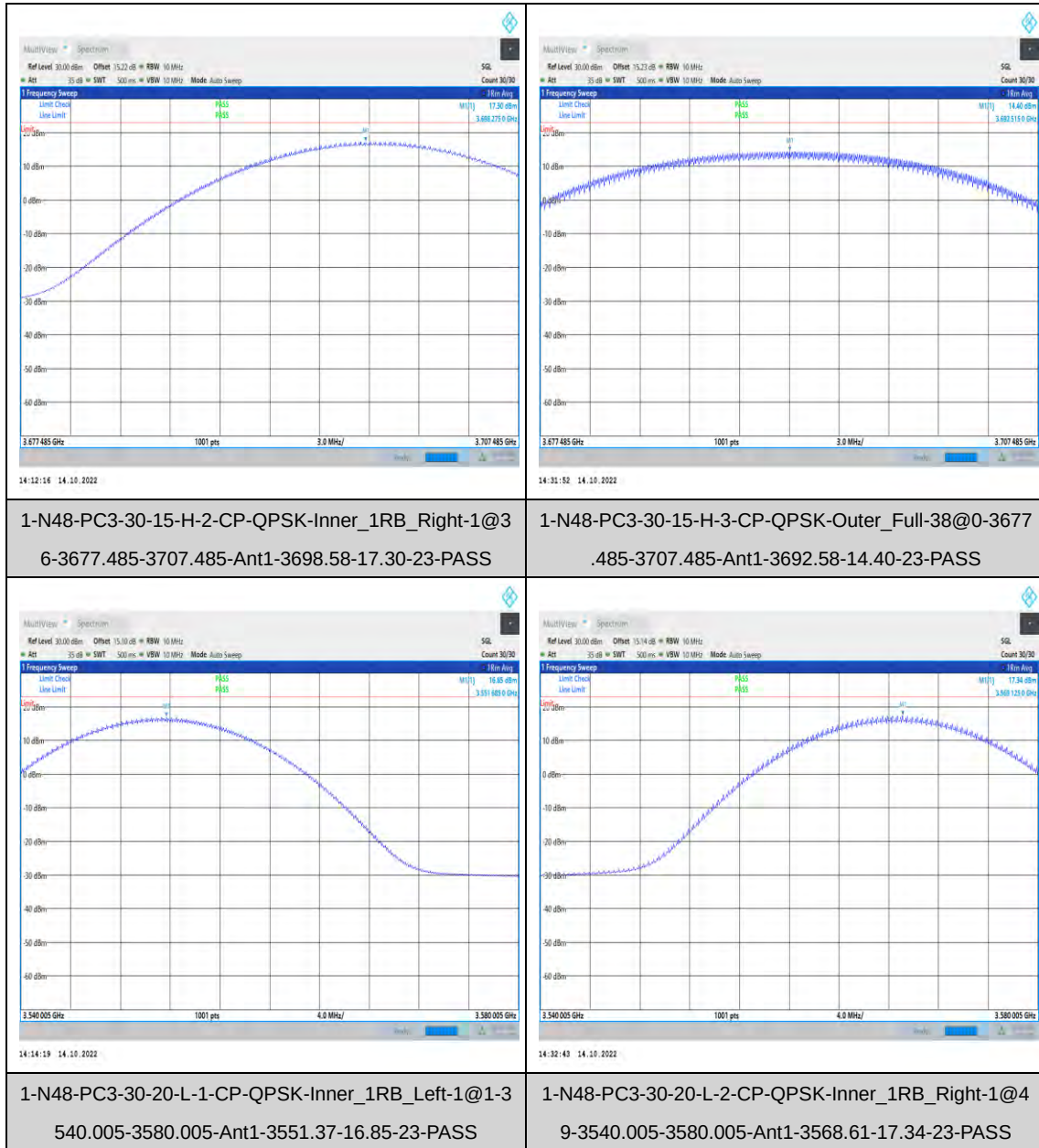


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

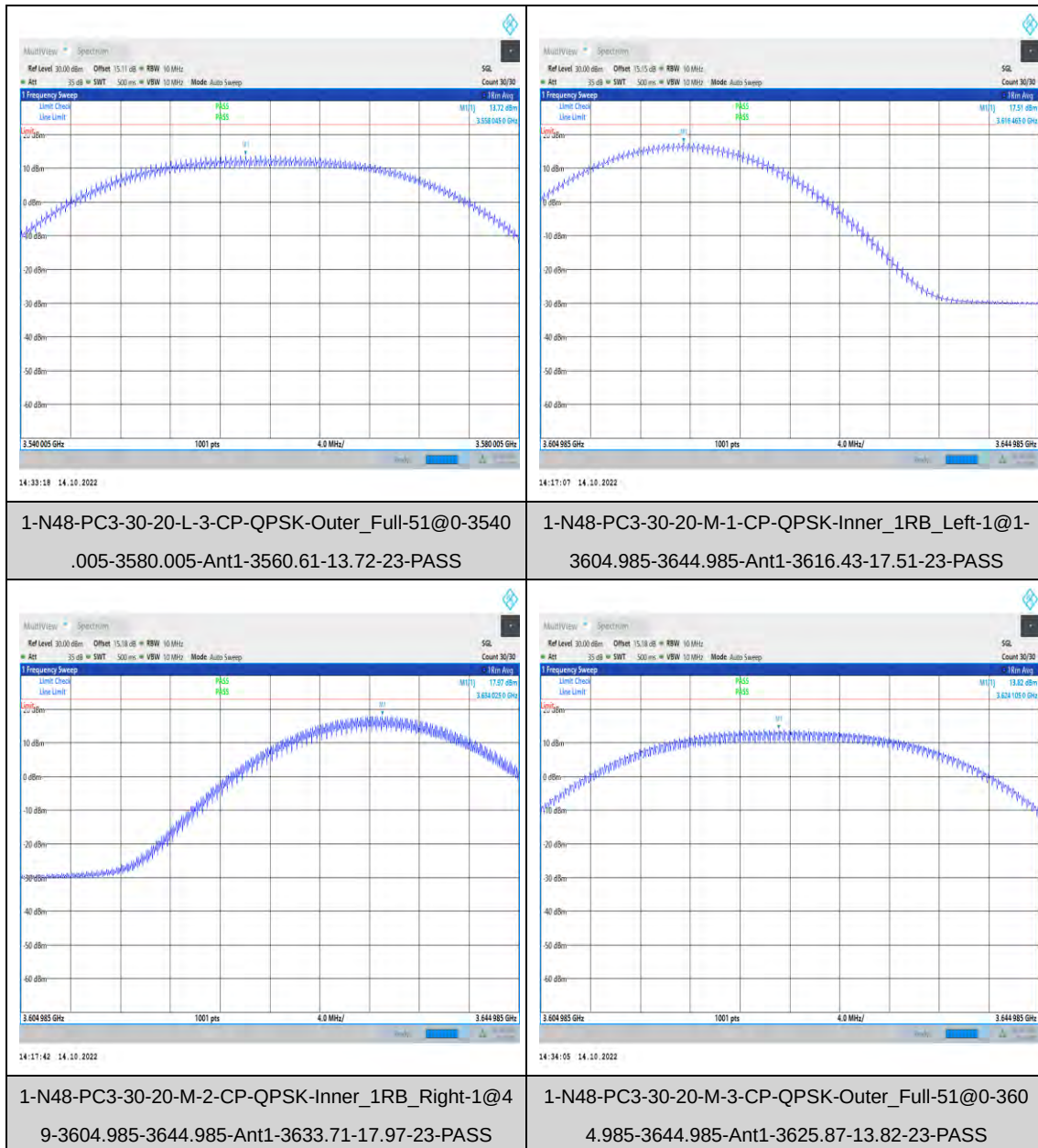
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

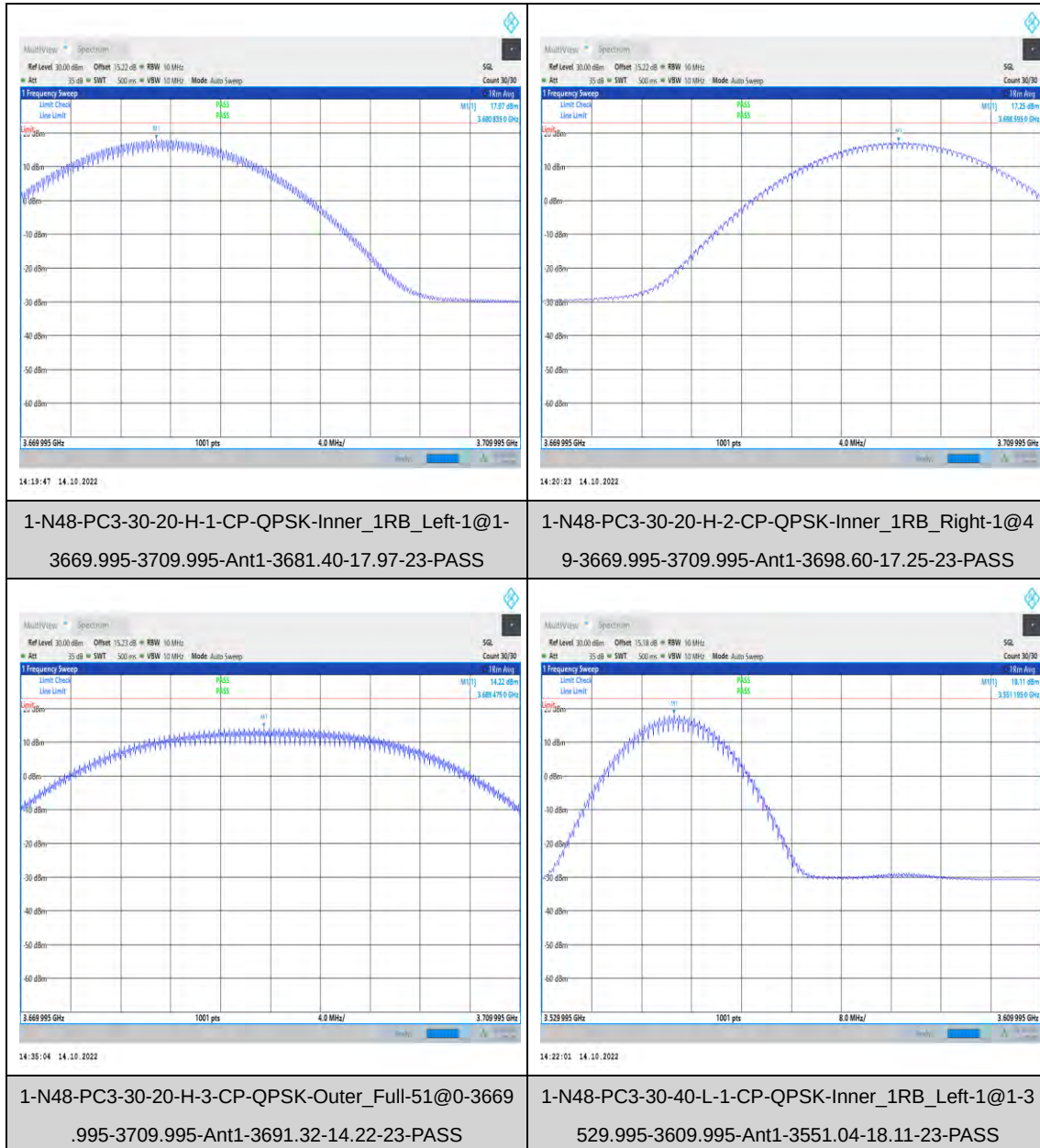


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

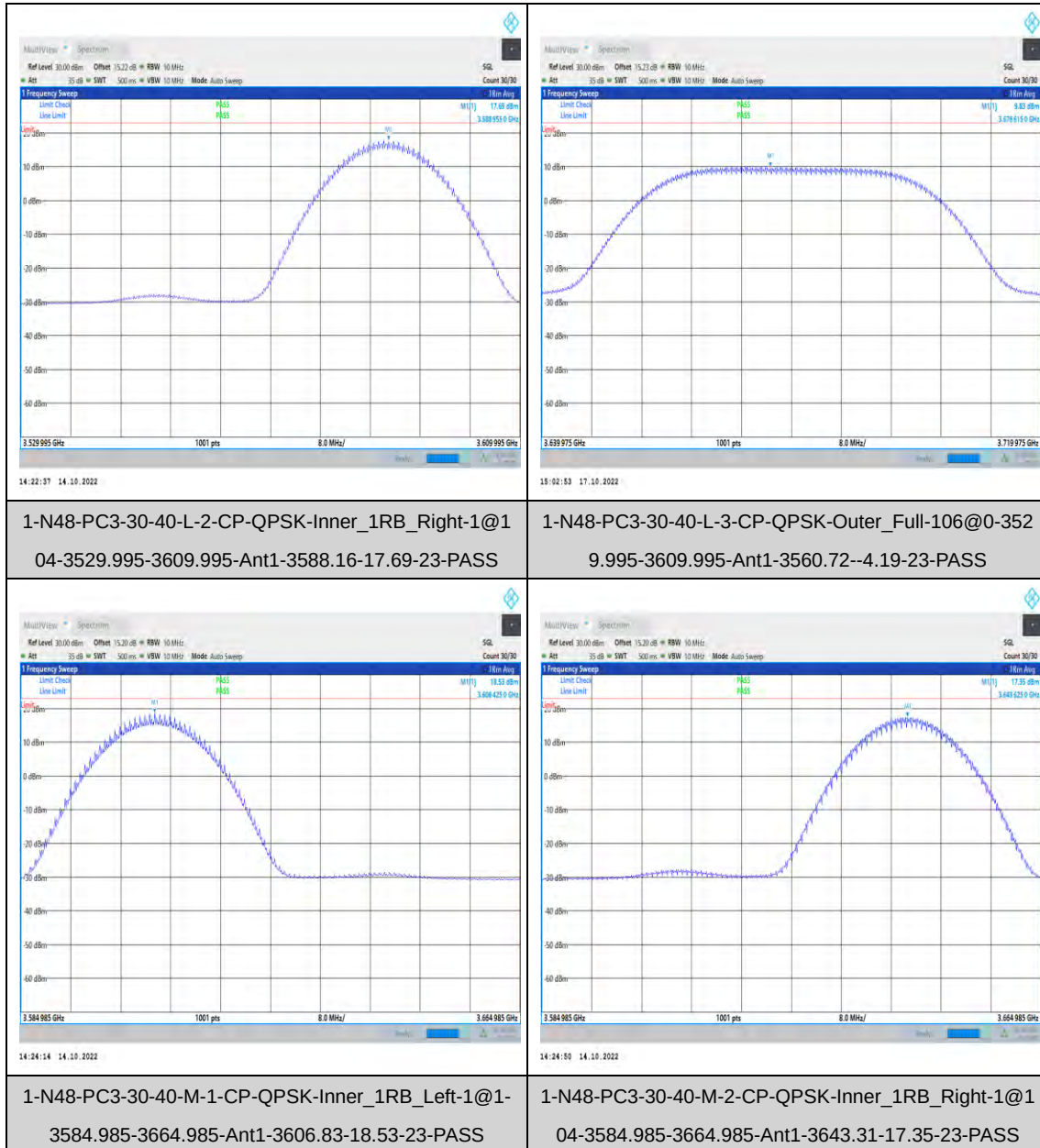


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

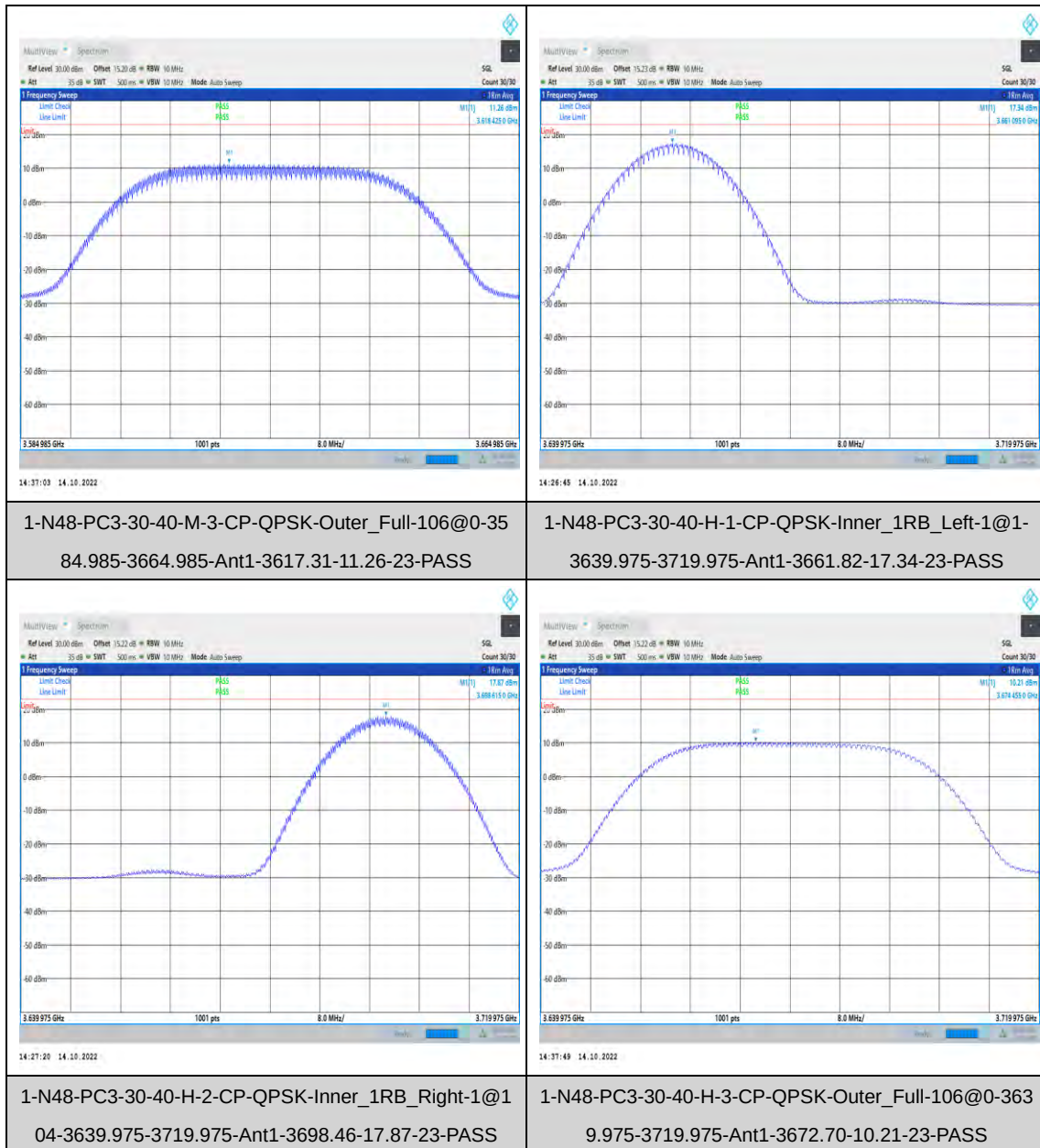
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



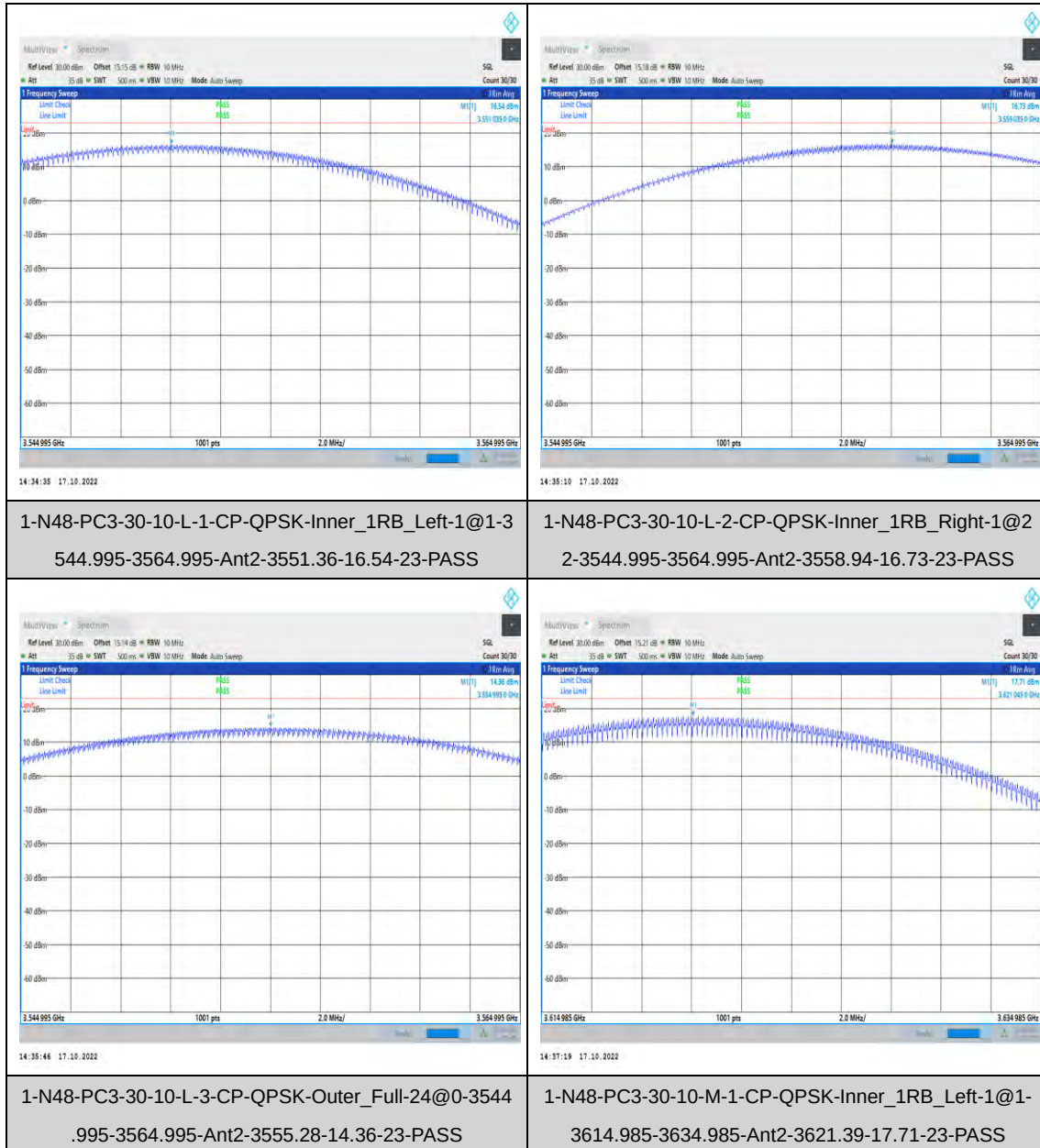
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Test Graphs Ant2



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.

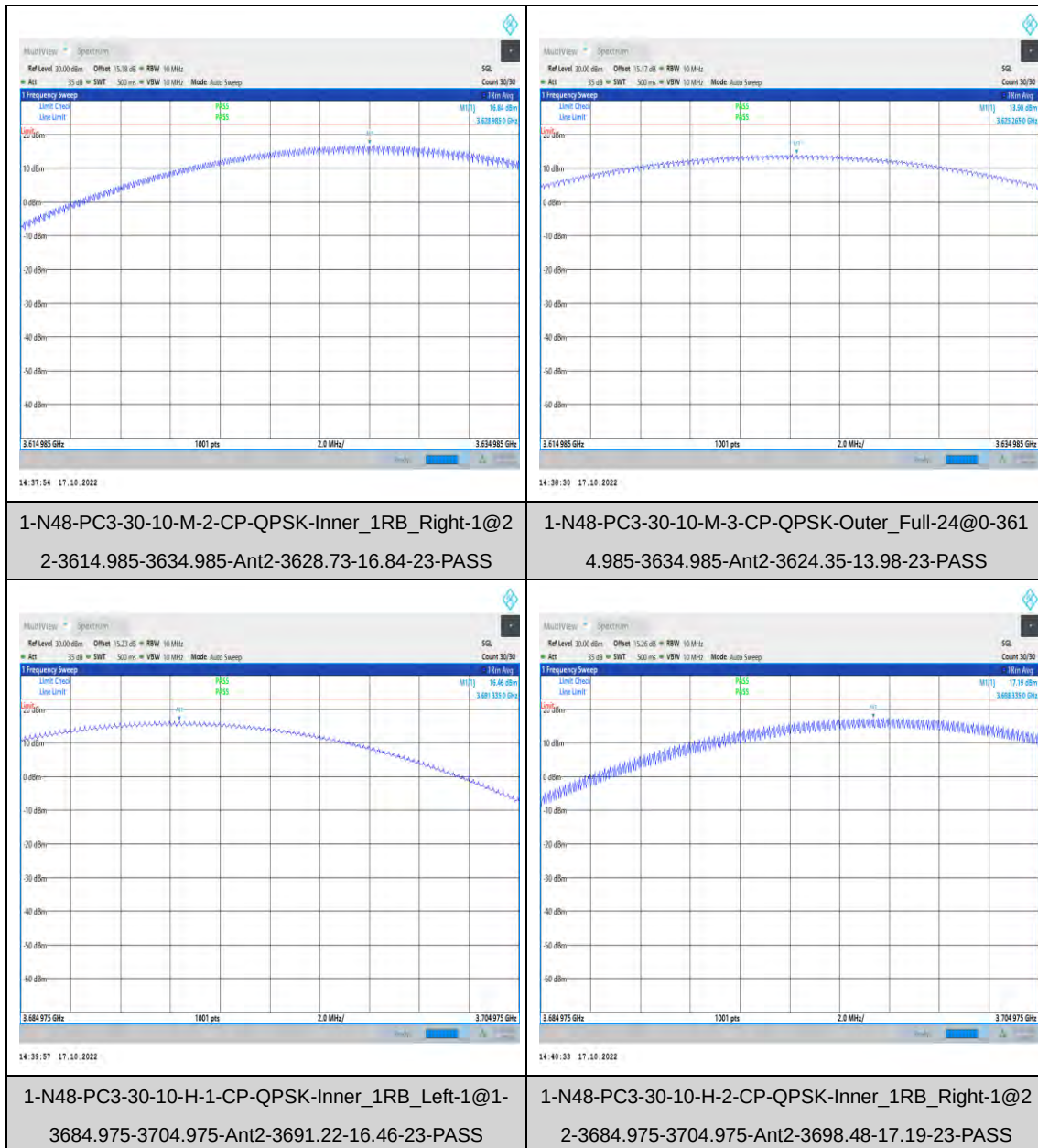
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

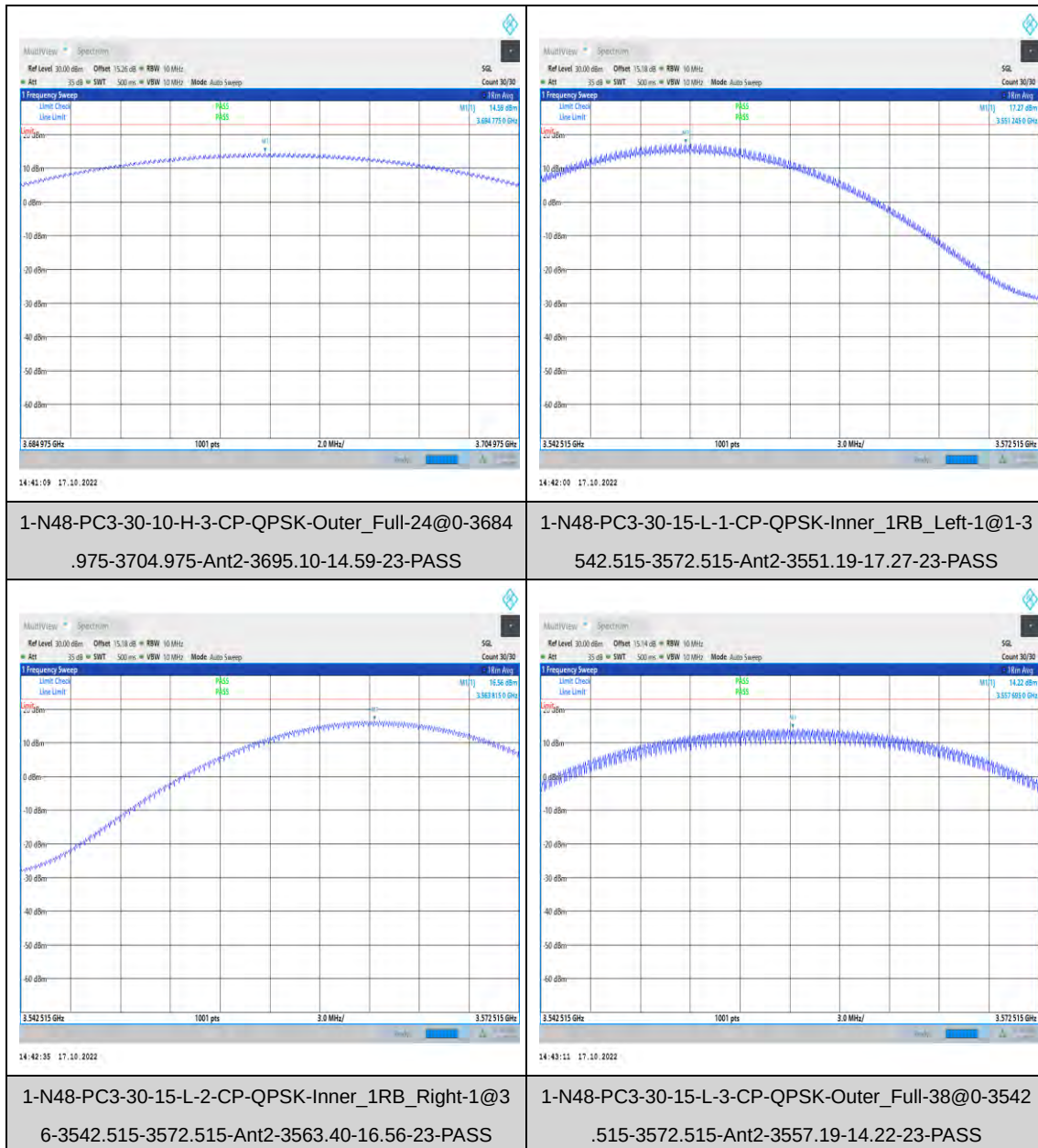
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

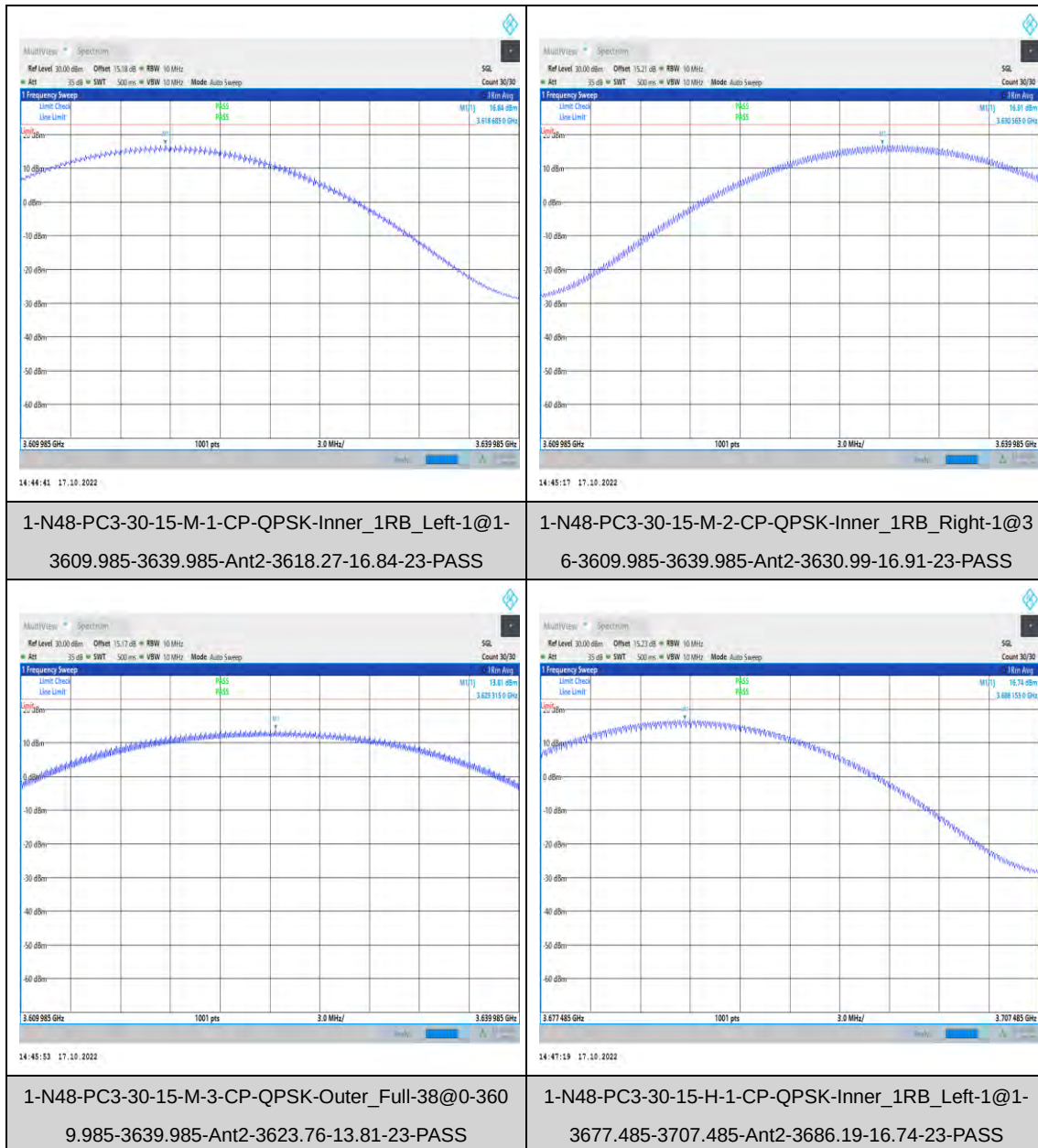


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

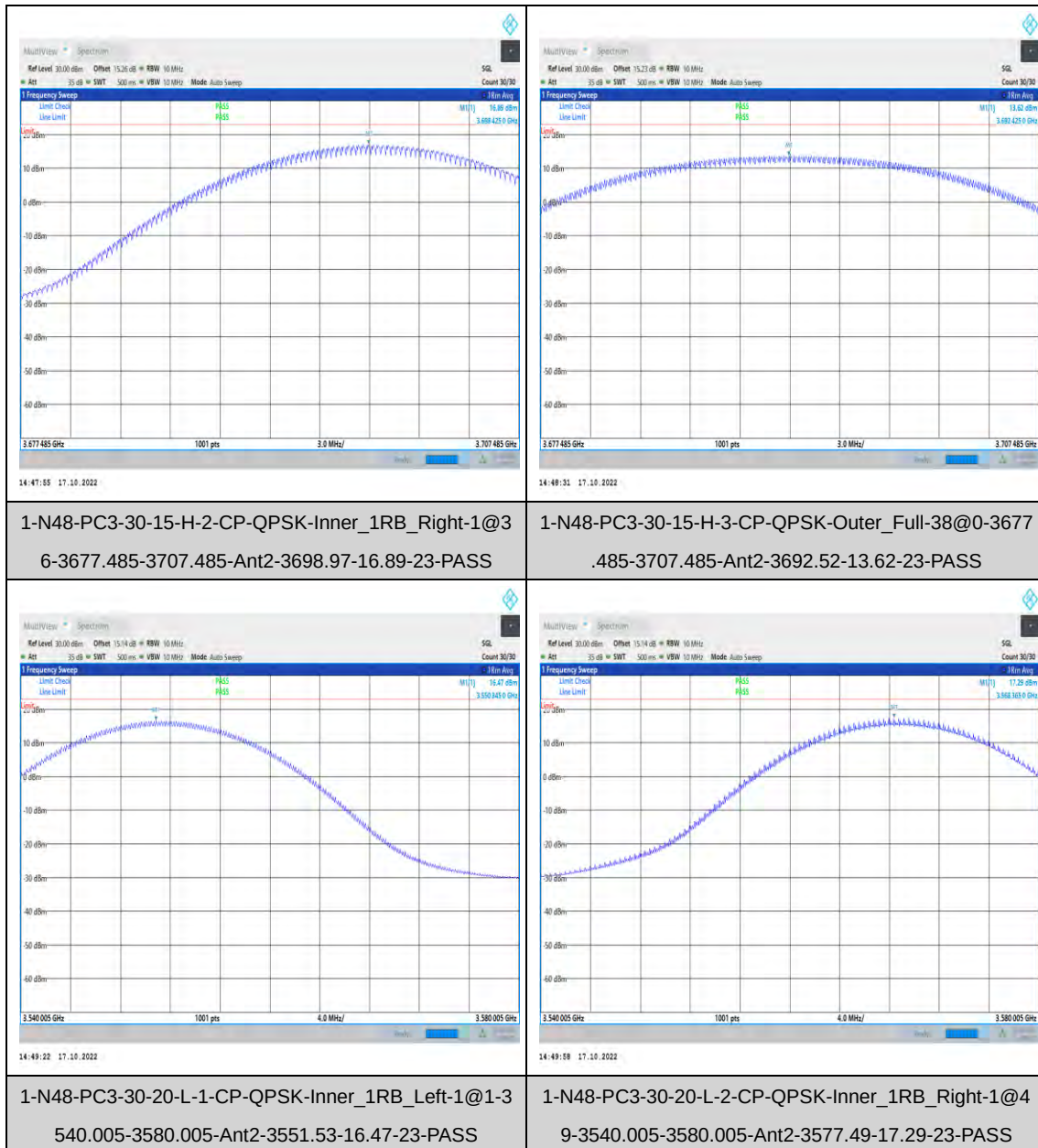


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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.

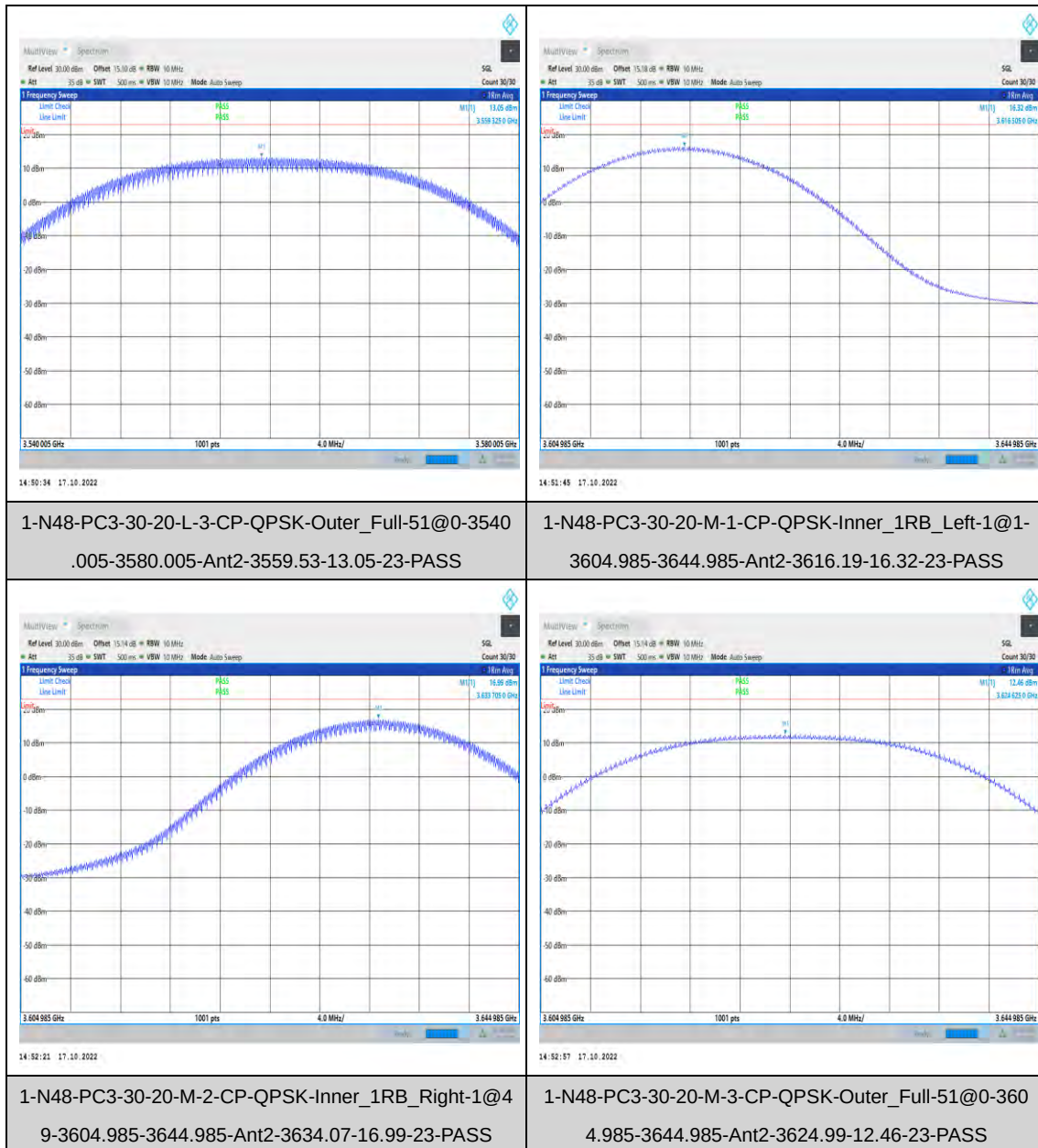
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

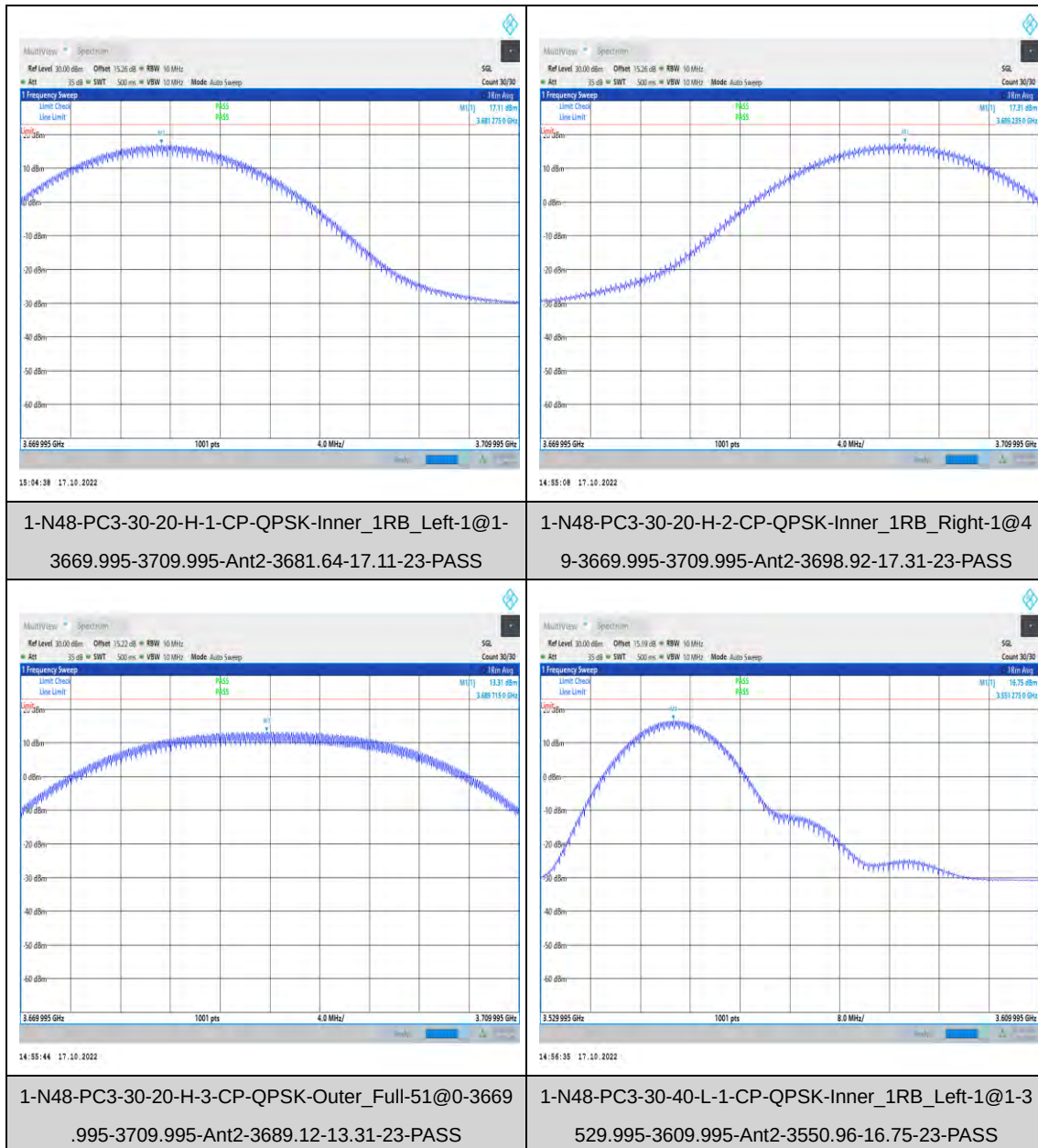


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn
t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

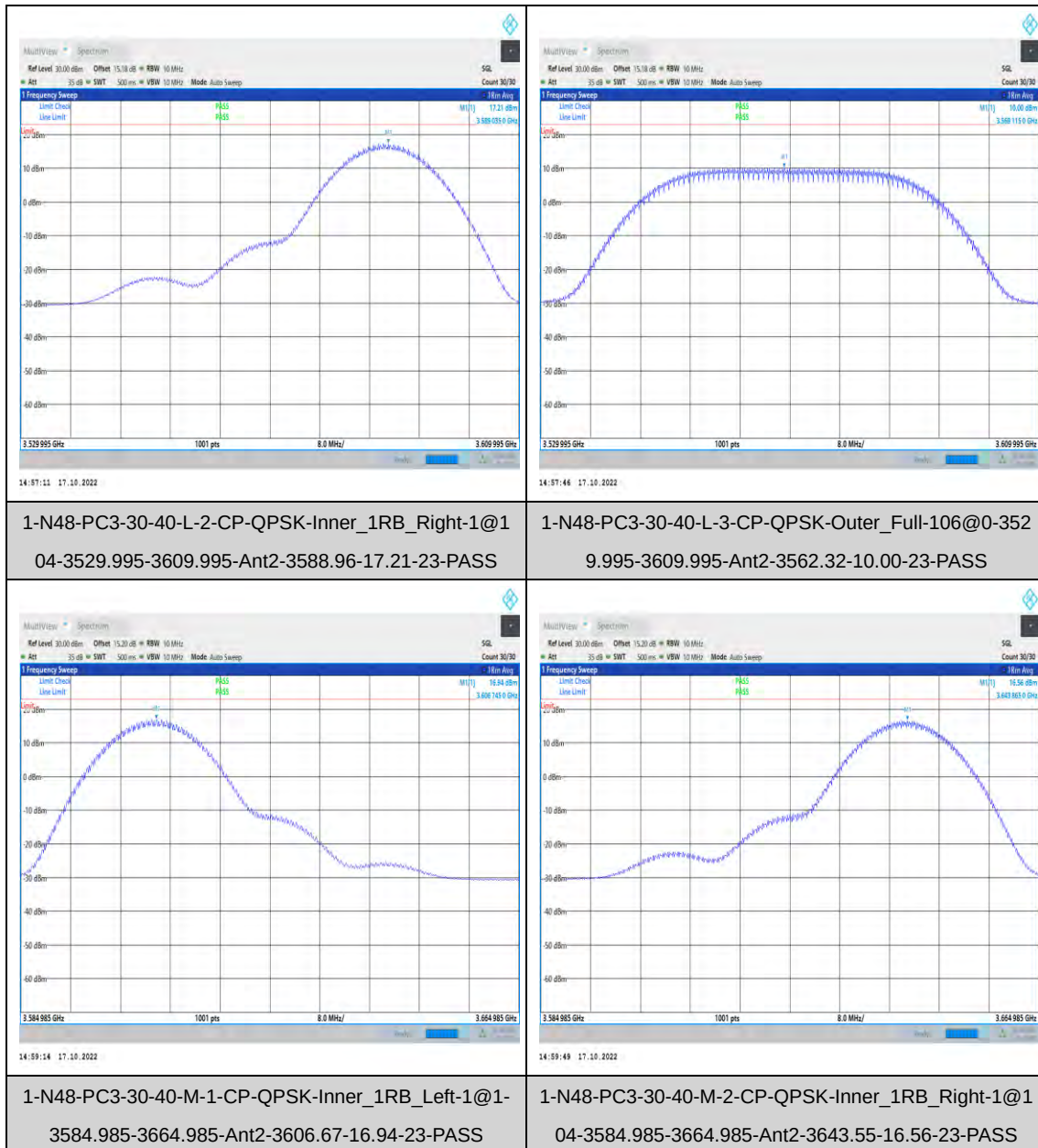


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

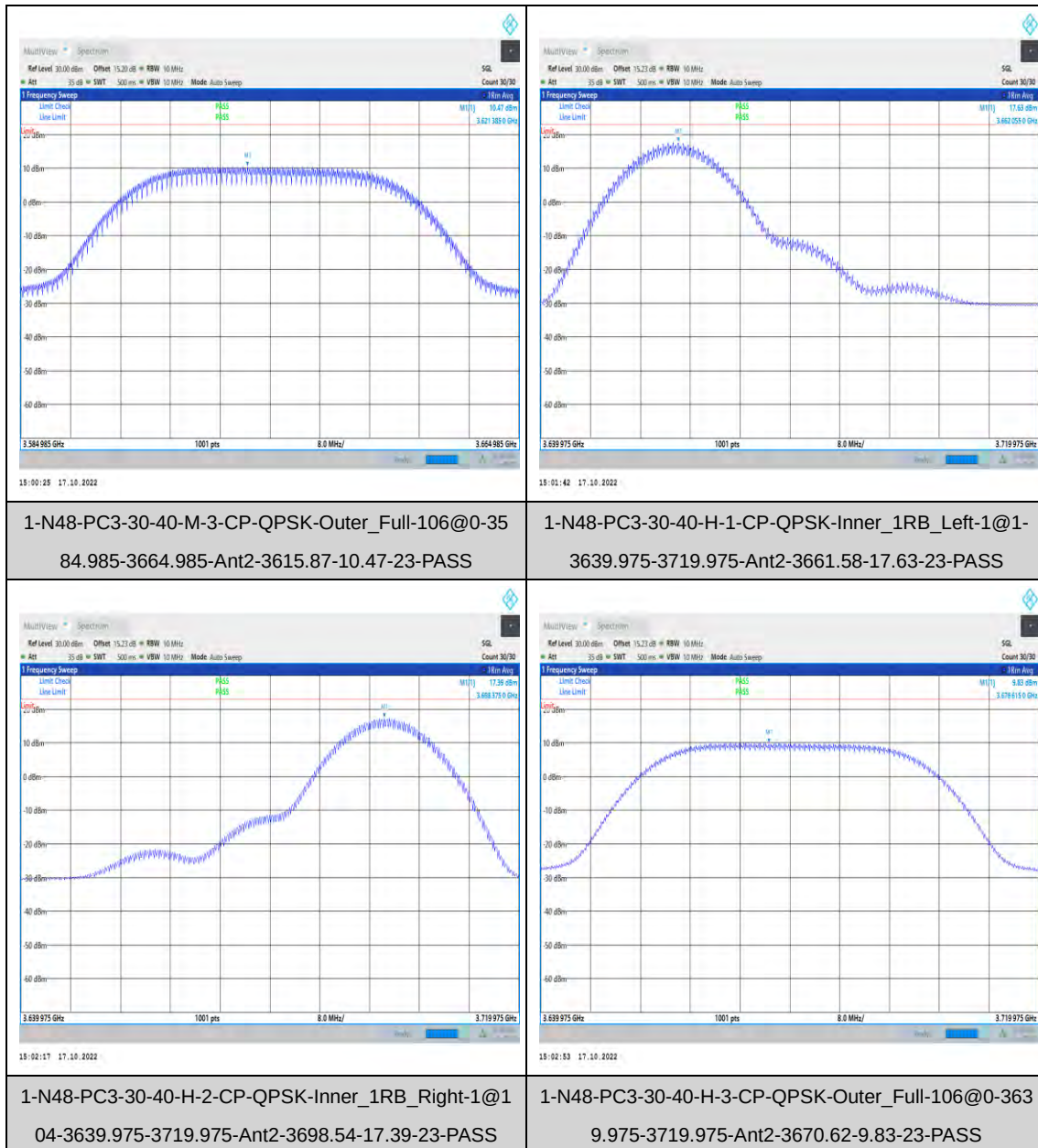


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t/(86-512)57355888 f/(86-512)57370818 www.sgsgroup.com.cn
t/(86-512)57355888 f/(86-512)57370818 sgs.china@sgs.com