



Appendix B.48

LTE Band 48



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

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

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	23.85	17.75	23.00	PASS
Band48	5MHz	QPSK	55265	1RB#12	23.91	17.81	23.00	PASS
Band48	5MHz	QPSK	55265	1RB#24	23.82	17.72	23.00	PASS
Band48	5MHz	QPSK	55265	25RB#0	22.89	16.79	23.00	PASS
Band48	5MHz	QPSK	55990	1RB#0	23.31	17.21	23.00	PASS
Band48	5MHz	QPSK	55990	1RB#12	23.42	17.32	23.00	PASS
Band48	5MHz	QPSK	55990	1RB#24	23.37	17.27	23.00	PASS
Band48	5MHz	QPSK	55990	25RB#0	22.37	16.27	23.00	PASS
Band48	5MHz	QPSK	56715	1RB#0	23.55	17.45	23.00	PASS
Band48	5MHz	QPSK	56715	1RB#12	23.65	17.55	23.00	PASS
Band48	5MHz	QPSK	56715	1RB#24	23.57	17.47	23.00	PASS
Band48	5MHz	QPSK	56715	25RB#0	22.56	16.46	23.00	PASS
Band48	5MHz	16QAM	55265	1RB#0	22.87	16.77	23.00	PASS
Band48	5MHz	16QAM	55265	1RB#12	22.97	16.87	23.00	PASS
Band48	5MHz	16QAM	55265	1RB#24	22.97	16.87	23.00	PASS
Band48	5MHz	16QAM	55265	25RB#0	21.86	15.76	23.00	PASS
Band48	5MHz	16QAM	55990	1RB#0	22.40	16.30	23.00	PASS
Band48	5MHz	16QAM	55990	1RB#12	22.51	16.41	23.00	PASS
Band48	5MHz	16QAM	55990	1RB#24	22.46	16.36	23.00	PASS
Band48	5MHz	16QAM	55990	25RB#0	21.38	15.28	23.00	PASS
Band48	5MHz	16QAM	56715	1RB#0	22.62	16.52	23.00	PASS
Band48	5MHz	16QAM	56715	1RB#12	22.72	16.62	23.00	PASS
Band48	5MHz	16QAM	56715	1RB#24	22.63	16.53	23.00	PASS
Band48	5MHz	16QAM	56715	25RB#0	21.55	15.45	23.00	PASS
Band48	5MHz	64QAM	55265	1RB#0	22.85	16.75	23.00	PASS
Band48	5MHz	64QAM	55265	1RB#12	22.85	16.75	23.00	PASS
Band48	5MHz	64QAM	55265	1RB#24	22.74	16.64	23.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 83071443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.ssgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48	5MHz	64QAM	55265	25RB#0	21.90	15.80	23.00	PASS
Band48	5MHz	64QAM	55990	1RB#0	22.18	16.08	23.00	PASS
Band48	5MHz	64QAM	55990	1RB#12	22.34	16.24	23.00	PASS
Band48	5MHz	64QAM	55990	1RB#24	22.34	16.24	23.00	PASS
Band48	5MHz	64QAM	55990	25RB#0	21.40	15.30	23.00	PASS
Band48	5MHz	64QAM	56715	1RB#0	22.56	16.46	23.00	PASS
Band48	5MHz	64QAM	56715	1RB#12	22.73	16.63	23.00	PASS
Band48	5MHz	64QAM	56715	1RB#24	22.54	16.44	23.00	PASS
Band48	5MHz	64QAM	56715	25RB#0	21.54	15.44	23.00	PASS
Band48	10MHz	QPSK	55290	1RB#0	23.82	17.72	23.00	PASS
Band48	10MHz	QPSK	55290	1RB#24	23.89	17.79	23.00	PASS
Band48	10MHz	QPSK	55290	1RB#49	23.93	17.83	23.00	PASS
Band48	10MHz	QPSK	55290	50RB#0	22.94	16.84	23.00	PASS
Band48	10MHz	QPSK	55990	1RB#0	23.30	17.20	23.00	PASS
Band48	10MHz	QPSK	55990	1RB#24	23.38	17.28	23.00	PASS
Band48	10MHz	QPSK	55990	1RB#49	23.48	17.38	23.00	PASS
Band48	10MHz	QPSK	55990	50RB#0	22.35	16.25	23.00	PASS
Band48	10MHz	QPSK	56690	1RB#0	23.62	17.52	23.00	PASS
Band48	10MHz	QPSK	56690	1RB#24	23.68	17.58	23.00	PASS
Band48	10MHz	QPSK	56690	1RB#49	23.61	17.51	23.00	PASS
Band48	10MHz	QPSK	56690	50RB#0	22.66	16.56	23.00	PASS
Band48	10MHz	16QAM	55290	1RB#0	22.92	16.82	23.00	PASS
Band48	10MHz	16QAM	55290	1RB#24	22.84	16.74	23.00	PASS
Band48	10MHz	16QAM	55290	1RB#49	22.88	16.78	23.00	PASS
Band48	10MHz	16QAM	55290	50RB#0	21.90	15.80	23.00	PASS
Band48	10MHz	16QAM	55990	1RB#0	22.30	16.20	23.00	PASS
Band48	10MHz	16QAM	55990	1RB#24	22.44	16.34	23.00	PASS
Band48	10MHz	16QAM	55990	1RB#49	22.50	16.40	23.00	PASS
Band48	10MHz	16QAM	55990	50RB#0	21.34	15.24	23.00	PASS
Band48	10MHz	16QAM	56690	1RB#0	22.75	16.65	23.00	PASS
Band48	10MHz	16QAM	56690	1RB#24	22.62	16.52	23.00	PASS
Band48	10MHz	16QAM	56690	1RB#49	22.67	16.57	23.00	PASS
Band48	10MHz	16QAM	56690	50RB#0	21.66	15.56	23.00	PASS



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48	10MHz	64QAM	55290	1RB#0	21.78	15.68	23.00	PASS
Band48	10MHz	64QAM	55290	1RB#24	21.95	15.85	23.00	PASS
Band48	10MHz	64QAM	55290	1RB#49	22.04	15.94	23.00	PASS
Band48	10MHz	64QAM	55290	50RB#0	20.90	14.80	23.00	PASS
Band48	10MHz	64QAM	55990	1RB#0	21.27	15.17	23.00	PASS
Band48	10MHz	64QAM	55990	1RB#24	21.40	15.30	23.00	PASS
Band48	10MHz	64QAM	55990	1RB#49	21.45	15.35	23.00	PASS
Band48	10MHz	64QAM	55990	50RB#0	20.32	14.22	23.00	PASS
Band48	10MHz	64QAM	56690	1RB#0	21.69	15.59	23.00	PASS
Band48	10MHz	64QAM	56690	1RB#24	21.75	15.65	23.00	PASS
Band48	10MHz	64QAM	56690	1RB#49	21.62	15.52	23.00	PASS
Band48	10MHz	64QAM	56690	50RB#0	20.68	14.58	23.00	PASS
Band48	15MHz	QPSK	55315	1RB#0	23.70	17.60	23.00	PASS
Band48	15MHz	QPSK	55315	1RB#38	23.72	17.62	23.00	PASS
Band48	15MHz	QPSK	55315	1RB#74	23.72	17.62	23.00	PASS
Band48	15MHz	QPSK	55315	75RB#0	22.80	16.70	23.00	PASS
Band48	15MHz	QPSK	55990	1RB#0	23.17	17.07	23.00	PASS
Band48	15MHz	QPSK	55990	1RB#38	23.20	17.10	23.00	PASS
Band48	15MHz	QPSK	55990	1RB#74	23.20	17.10	23.00	PASS
Band48	15MHz	QPSK	55990	75RB#0	22.23	16.13	23.00	PASS
Band48	15MHz	QPSK	56665	1RB#0	23.45	17.35	23.00	PASS
Band48	15MHz	QPSK	56665	1RB#38	23.49	17.39	23.00	PASS
Band48	15MHz	QPSK	56665	1RB#74	23.37	17.27	23.00	PASS
Band48	15MHz	QPSK	56665	75RB#0	22.55	16.45	23.00	PASS
Band48	15MHz	16QAM	55315	1RB#0	22.63	16.53	23.00	PASS
Band48	15MHz	16QAM	55315	1RB#38	22.67	16.57	23.00	PASS
Band48	15MHz	16QAM	55315	1RB#74	22.66	16.56	23.00	PASS
Band48	15MHz	16QAM	55315	75RB#0	21.79	15.69	23.00	PASS
Band48	15MHz	16QAM	55990	1RB#0	22.13	16.03	23.00	PASS
Band48	15MHz	16QAM	55990	1RB#38	22.22	16.12	23.00	PASS
Band48	15MHz	16QAM	55990	1RB#74	22.27	16.17	23.00	PASS
Band48	15MHz	16QAM	55990	75RB#0	21.21	15.11	23.00	PASS
Band48	15MHz	16QAM	56665	1RB#0	22.39	16.29	23.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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) 83071443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48	15MHz	16QAM	56665	1RB#38	22.49	16.39	23.00	PASS
Band48	15MHz	16QAM	56665	1RB#74	22.42	16.32	23.00	PASS
Band48	15MHz	16QAM	56665	75RB#0	21.56	15.46	23.00	PASS
Band48	15MHz	64QAM	55315	1RB#0	21.60	15.50	23.00	PASS
Band48	15MHz	64QAM	55315	1RB#38	21.65	15.55	23.00	PASS
Band48	15MHz	64QAM	55315	1RB#74	21.63	15.53	23.00	PASS
Band48	15MHz	64QAM	55315	75RB#0	20.82	14.72	23.00	PASS
Band48	15MHz	64QAM	55990	1RB#0	21.16	15.06	23.00	PASS
Band48	15MHz	64QAM	55990	1RB#38	21.21	15.11	23.00	PASS
Band48	15MHz	64QAM	55990	1RB#74	21.18	15.08	23.00	PASS
Band48	15MHz	64QAM	55990	75RB#0	20.24	14.14	23.00	PASS
Band48	15MHz	64QAM	56665	1RB#0	21.41	15.31	23.00	PASS
Band48	15MHz	64QAM	56665	1RB#38	21.36	15.26	23.00	PASS
Band48	15MHz	64QAM	56665	1RB#74	21.33	15.23	23.00	PASS
Band48	15MHz	64QAM	56665	75RB#0	20.60	14.50	23.00	PASS
Band48	20MHz	QPSK	55340	1RB#0	23.72	17.62	23.00	PASS
Band48	20MHz	QPSK	55340	1RB#49	23.74	17.64	23.00	PASS
Band48	20MHz	QPSK	55340	1RB#99	23.73	17.63	23.00	PASS
Band48	20MHz	QPSK	55340	100RB#0	22.81	16.71	23.00	PASS
Band48	20MHz	QPSK	55990	1RB#0	23.10	17.00	23.00	PASS
Band48	20MHz	QPSK	55990	1RB#49	23.21	17.11	23.00	PASS
Band48	20MHz	QPSK	55990	1RB#99	23.26	17.16	23.00	PASS
Band48	20MHz	QPSK	55990	100RB#0	22.25	16.15	23.00	PASS
Band48	20MHz	QPSK	56640	1RB#0	23.37	17.27	23.00	PASS
Band48	20MHz	QPSK	56640	1RB#49	23.50	17.40	23.00	PASS
Band48	20MHz	QPSK	56640	1RB#99	23.39	17.29	23.00	PASS
Band48	20MHz	QPSK	56640	100RB#0	22.50	16.40	23.00	PASS
Band48	20MHz	16QAM	55340	1RB#0	22.59	16.49	23.00	PASS
Band48	20MHz	16QAM	55340	1RB#49	23.00	16.90	23.00	PASS
Band48	20MHz	16QAM	55340	1RB#99	22.82	16.72	23.00	PASS
Band48	20MHz	16QAM	55340	100RB#0	21.81	15.71	23.00	PASS
Band48	20MHz	16QAM	55990	1RB#0	22.03	15.93	23.00	PASS
Band48	20MHz	16QAM	55990	1RB#49	22.19	16.09	23.00	PASS



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Report No.: ZEWM2306000841RG01

Page: 6 of 6

Band48	20MHz	16QAM	55990	1RB#99	22.29	16.19	23.00	PASS
Band48	20MHz	16QAM	55990	100RB#0	21.25	15.15	23.00	PASS
Band48	20MHz	16QAM	56640	1RB#0	22.33	16.23	23.00	PASS
Band48	20MHz	16QAM	56640	1RB#49	22.58	16.48	23.00	PASS
Band48	20MHz	16QAM	56640	1RB#99	22.44	16.34	23.00	PASS
Band48	20MHz	16QAM	56640	100RB#0	21.48	15.38	23.00	PASS
Band48	20MHz	64QAM	55340	1RB#0	21.62	15.52	23.00	PASS
Band48	20MHz	64QAM	55340	1RB#49	21.73	15.63	23.00	PASS
Band48	20MHz	64QAM	55340	1RB#99	21.81	15.71	23.00	PASS
Band48	20MHz	64QAM	55340	100RB#0	20.83	14.73	23.00	PASS
Band48	20MHz	64QAM	55990	1RB#0	20.97	14.87	23.00	PASS
Band48	20MHz	64QAM	55990	1RB#49	21.32	15.22	23.00	PASS
Band48	20MHz	64QAM	55990	1RB#99	21.17	15.07	23.00	PASS
Band48	20MHz	64QAM	55990	100RB#0	20.23	14.13	23.00	PASS
Band48	20MHz	64QAM	56640	1RB#0	21.33	15.23	23.00	PASS
Band48	20MHz	64QAM	56640	1RB#49	21.40	15.30	23.00	PASS
Band48	20MHz	64QAM	56640	1RB#99	21.51	15.41	23.00	PASS
Band48	20MHz	64QAM	56640	100RB#0	20.49	14.39	23.00	PASS

---End of Attachment---



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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Inspection & Testing Services

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 | (86-755) 26012053 | www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 | (86-755) 26012053 | sgs.china@sgs.com