

# Appendix B.4

## LTE Band 4



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

## Effective (Isotropic) Radiated Power Output Data

Test for Spot check the max BW power:

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (d'Bm)	Verdict
Band4	20MHz	QPSK	20050	1RB#0	22.53	22.8	30	PASS
Band4	20MHz	QPSK	20050	1RB#50	22.71	22.98	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.53	22.8	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.61	21.88	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.65	21.92	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.59	21.86	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.65	21.92	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.59	22.86	30	PASS
Band4	20MHz	QPSK	20175	1RB#50	22.69	22.96	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.51	22.78	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.66	21.93	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.63	21.9	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.58	21.85	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.56	21.83	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.56	22.83	30	PASS
Band4	20MHz	QPSK	20300	1RB#50	22.68	22.95	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.54	22.81	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.66	21.93	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.56	21.83	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.53	21.8	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.55	21.82	30	PASS



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

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

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

## Field Strength of Spurious Radiation

### Test for spot check:

Test Band = LTE Band 4\_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447	48.27	-45.82	29.42	-63.39	-13.00	50.39	168	357	Horizontal
2	5170.77	41.16	-44.19	32.60	-65.69	-13.00	52.69	246	357	Horizontal
3	6894.36	49.47	-42.44	35.99	-52.24	-13.00	39.24	267	58	Horizontal
4	8617.95	50.01	-39.74	38.18	-46.81	-13.00	33.81	185	1	Horizontal
5	10341.54	49.89	-36.68	38.88	-43.17	-13.00	30.17	145	14	Horizontal
6	12065.13	35.16	-35.25	38.67	-56.69	-13.00	43.69	218	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447	51.95	-45.82	29.42	-59.71	-13.00	46.71	188	115	Vertical
2	5170.77	41.74	-44.19	32.60	-65.11	-13.00	52.11	147	130	Vertical
3	6894.36	48.77	-42.44	35.99	-52.94	-13.00	39.94	139	180	Vertical
4	8617.95	41.38	-39.74	38.18	-55.44	-13.00	42.44	265	313	Vertical
5	10341.54	42.61	-36.68	38.88	-50.45	-13.00	37.45	243	0	Vertical
6	12065.13	33.43	-35.25	38.67	-58.42	-13.00	45.42	168	261	Vertical

#### Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---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 <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: QN.Doccheck@sgs.com

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

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