



# Appendix B

## E-UTRA Band 14



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](mailto:CN.Doccheck@sgs.com)



## CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	3
1.1.	TEST RESULT.....	3
2.	FIELD STRENGTH OF SPURIOUS RADIATION.....	5
2.1.	TEST MODE =LTE/TM1 10MHz.....	5
2.1.1.	TEST CHANNEL = MCH .....	5



# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.69	23.54	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.58	23.43	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.79	23.64	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#0	22.75	22.60	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#6	22.88	22.73	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#13	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.87	22.72	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.80	23.65	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.69	23.54	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.72	23.57	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#0	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#6	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#13	22.84	22.69	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.86	22.71	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.74	23.59	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.76	23.61	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.50	23.35	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#6	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#0	22.92	22.77	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#13	22.82	22.67	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.87	22.72	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.61	22.46	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.50	22.35	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.94	22.79	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#0	21.69	21.54	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#6	21.74	21.59	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#13	21.81	21.66	34.77	PASS



Band14	5MHz	16QAM	23305	25RB#0	21.68	21.53	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.91	22.76	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.51	22.36	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.60	22.45	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#0	21.73	21.58	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#13	21.72	21.57	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#6	21.66	21.51	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.82	21.67	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.65	22.50	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.55	22.40	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.76	22.61	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#13	21.66	21.51	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#6	21.71	21.56	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#0	21.61	21.46	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.81	21.66	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.58	23.43	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.57	23.42	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.83	23.68	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#25	22.90	22.75	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#0	22.92	22.77	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#12	22.87	22.72	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.87	22.72	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.96	22.81	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.98	22.83	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.57	22.42	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#12	21.90	21.75	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#0	21.92	21.77	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#25	21.88	21.73	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.78	21.63	34.77	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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](mailto:CN.Doccheck@sgs.com)

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

## 2. Field Strength of Spurious Radiation

### 2.1. Test Mode =LTE/TM1 10MHz

#### 2.1.1.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.886667	-75.17	-13.00	62.17	Vertical
137.893333	-74.10	-13.00	61.10	Vertical
263.846667	-59.83	-13.00	46.83	Vertical
1577.000000	-47.08	-40.00	7.08	Vertical
2365.500000	-55.02	-13.00	42.02	Vertical
4740.375000	-66.22	-13.00	53.22	Vertical
62.620000	-75.55	-13.00	62.55	Horizontal
198.280000	-59.82	-13.00	46.82	Horizontal
350.273333	-64.54	-13.00	51.54	Horizontal
1577.000000	-49.53	-40.00	9.53	Horizontal
2365.500000	-54.89	-13.00	41.89	Horizontal
4717.950000	-65.83	-13.00	52.83	Horizontal

Remark:

- According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

The End



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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com