

Appendix B

E-UTRA Band 4





CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	3
1.1.	TEST RESULT.....	3
2.	FIELD STRENGTH OF SPURIOUS RADIATION.....	11
2.1.	TEST MODE =LTE/TM1 20MHZ.....	11
2.1.1.	TEST CHANNEL = LCH.....	11
2.1.2.	TEST CHANNEL = MCH.....	11
2.1.3.	TEST CHANNEL = HCH.....	12



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

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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#2	23.07	25.07	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.01	25.01	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	23.06	25.06	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.12	25.12	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.14	25.14	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.03	25.03	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.06	24.06	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.01	25.01	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.06	25.06	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.16	25.16	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.08	25.08	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.07	25.07	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.14	25.14	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.09	24.09	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.14	25.14	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.05	25.05	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.08	25.08	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.19	25.19	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.10	25.10	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.04	25.04	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.16	24.16	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.24	24.24	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.04	24.04	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.02	24.02	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.24	24.24	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.04	24.04	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.19	24.19	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.13	23.13	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) Laboratory

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



Band4	1.4MHz	16QAM	20175	1RB#5	22.07	24.07	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.13	24.13	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.02	24.02	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.05	24.05	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.10	24.10	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.07	24.07	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.12	23.12	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.04	24.04	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.05	24.05	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.07	24.07	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.03	24.03	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.10	24.10	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.09	24.09	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.14	23.14	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.07	25.07	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.01	25.01	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.04	25.04	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.12	24.12	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.14	24.14	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.03	24.03	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.06	24.06	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.04	25.04	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.06	25.06	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.16	25.16	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.09	24.09	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.06	24.06	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.14	24.14	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.05	24.05	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.14	25.14	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.01	25.01	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.08	25.08	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.19	24.19	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.10	24.10	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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



Band4	3MHz	QPSK	20385	8RB#0	22.04	24.04	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.16	24.16	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.24	24.24	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.04	24.04	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.02	24.02	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.24	23.24	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.04	23.04	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.19	23.19	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.13	23.13	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.07	24.07	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.13	24.13	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.02	24.02	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.05	23.05	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.10	23.10	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.07	23.07	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.12	23.12	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.04	24.04	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.05	24.05	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.07	24.07	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.03	23.03	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.10	23.10	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.09	23.09	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.14	23.14	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.07	25.07	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.01	25.01	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.04	25.04	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.12	24.12	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.14	24.14	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.03	24.03	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.06	24.06	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.06	25.06	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.06	25.06	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.16	25.16	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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



Band4	5MHz	QPSK	20175	12RB#0	22.09	24.09	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.07	24.07	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.14	24.14	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.04	24.04	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.14	25.14	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.01	25.01	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.08	25.08	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.19	24.19	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.10	24.10	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.04	24.04	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.16	24.16	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.24	24.24	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.05	24.05	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.02	24.02	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.24	23.24	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.04	23.04	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.19	23.19	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.13	23.13	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.07	24.07	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.13	24.13	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.02	24.02	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.05	23.05	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.10	23.10	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.07	23.07	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.12	23.12	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.04	24.04	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.05	24.05	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.07	24.07	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.03	23.03	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.10	23.10	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.09	23.09	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.14	23.14	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.07	25.07	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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



Band4	10MHz	QPSK	20000	1RB#24	23.04	25.04	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.01	25.01	30	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.00	24.00	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.08	24.08	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.03	24.03	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.01	24.01	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.03	25.03	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.05	25.05	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.04	25.04	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.09	24.09	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.02	24.02	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.00	24.00	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.05	24.05	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.12	25.12	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.12	25.12	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.02	25.02	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.08	24.08	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.07	24.07	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.04	24.04	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.01	24.01	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.18	24.18	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.03	24.03	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.02	24.02	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.02	23.02	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.13	23.13	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.07	23.07	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.09	23.09	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.04	24.04	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.05	24.05	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.01	24.01	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.03	23.03	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.11	23.11	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.07	23.07	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band4	10MHz	16QAM	20175	50RB#0	21.00	23.00	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.04	24.04	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.02	24.02	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.03	24.03	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.15	23.15	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.25	23.25	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.00	23.00	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.15	23.15	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.06	25.06	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.04	25.04	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.08	25.08	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.11	24.11	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.04	24.04	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.01	24.01	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.01	24.01	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.06	25.06	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.12	25.12	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.07	25.07	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.04	24.04	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.00	24.00	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.09	24.09	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.00	24.00	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.21	25.21	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.24	25.24	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.09	25.09	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.22	24.22	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.08	24.08	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.10	24.10	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.22	24.22	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.06	24.06	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.06	24.06	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.03	24.03	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.08	23.08	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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



Band4	15MHz	16QAM	20025	36RB#18	21.08	23.08	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.07	23.07	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.03	23.03	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.17	24.17	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.11	24.11	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.02	24.02	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.04	23.04	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.05	23.05	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.18	23.18	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.06	23.06	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.64	24.64	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.04	24.04	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.04	24.04	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.27	23.27	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.20	23.20	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.03	23.03	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.22	23.22	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.26	25.26	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.07	25.07	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.04	25.04	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.19	24.19	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.00	24.00	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.07	24.07	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.01	24.01	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.14	25.14	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.23	25.23	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.07	25.07	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.03	24.03	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.04	24.04	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.05	24.05	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.01	24.01	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.22	25.22	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.31	25.31	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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



Band4	20MHz	QPSK	20300	1RB#99	23.04	25.04	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.27	24.27	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.06	24.06	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.09	24.09	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.20	24.20	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.07	24.07	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.04	24.04	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.02	24.02	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.26	23.26	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.13	23.13	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.04	23.04	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.07	23.07	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.01	24.01	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.35	24.35	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.25	24.25	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.14	23.14	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.08	23.08	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.11	23.11	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.05	23.05	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.41	24.41	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.08	24.08	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.07	24.07	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.46	23.46	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.21	23.21	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.14	23.14	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.27	23.27	30	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 [dBi]

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
 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



2. Field Strength of Spurious Radiation

2.1. Test Mode =LTE/TM1 20MHz

2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.450000	-75.86	-13.00	62.86	Vertical
196.950000	-58.84	-13.00	45.84	Vertical
346.100000	-65.98	-13.00	52.98	Vertical
3421.850000	-24.36	-13.00	11.36	Vertical
5132.975000	-39.80	-13.00	26.80	Vertical
10267.000000	-45.83	-13.00	32.83	Vertical
55.450000	-75.86	-13.00	62.86	Horizontal
196.950000	-58.84	-13.00	45.84	Horizontal
346.100000	-65.98	-13.00	52.98	Horizontal
3421.850000	-24.36	-13.00	11.36	Horizontal
5132.975000	-39.80	-13.00	26.80	Horizontal
10267.000000	-45.83	-13.00	32.83	Horizontal

2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
70.050000	-72.89	-13.00	59.89	Vertical
263.150000	-63.17	-13.00	50.17	Vertical
571.091667	-71.64	-13.00	58.64	Vertical
3447.200000	-27.25	-13.00	14.25	Vertical
5170.675000	-30.92	-13.00	17.92	Vertical
10341.425000	-48.73	-13.00	35.73	Vertical
62.500000	-74.41	-13.00	61.41	Horizontal
198.300000	-58.53	-13.00	45.53	Horizontal
349.350000	-65.66	-13.00	52.66	Horizontal
3447.200000	-26.09	-13.00	13.09	Horizontal
5171.000000	-38.84	-13.00	25.84	Horizontal
10341.750000	-45.40	-13.00	32.40	Horizontal



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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594

www.sgsgroup.com.cn
sgs.china@sgs.com

2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.800000	-75.28	-13.00	62.28	Vertical
263.700000	-62.93	-13.00	49.93	Vertical
561.741667	-72.76	-13.00	59.76	Vertical
3472.225000	-28.48	-13.00	15.48	Vertical
5208.050000	-33.02	-13.00	20.02	Vertical
10416.500000	-49.61	-13.00	36.61	Vertical
63.300000	-75.39	-13.00	62.39	Horizontal
198.050000	-59.06	-13.00	46.06	Horizontal
348.650000	-66.46	-13.00	53.46	Horizontal
3472.225000	-27.95	-13.00	14.95	Horizontal
5208.050000	-38.40	-13.00	25.40	Horizontal
10417.150000	-46.47	-13.00	33.47	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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

Member of the SGS Group (SGS SA)