



Appendix B

E-UTRA Band 38



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, Testing & Inspection 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



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER.....	3
1.1. TEST RESULT FOR DOWN ANT.....	3
1.2. TEST RESULT FOR UP ANT.....	10
2. PEAK-TO-AVERAGE RATIO (CCDF).....	19
2.1. TEST RESULT.....	19
2.2. TEST PLOTS.....	19
3. MODULATION CHARACTERISTICS.....	24
3.1. TEST MODE = LTE /TM1 20MHZ.....	24
3.1.1. TEST CHANNEL = MCH.....	24
3.2. TEST MODE = LTE /TM2 20MHZ.....	25
3.2.1. TEST CHANNEL = MCH.....	25
3.3. TEST MODE = LTE /TM3 20MHZ.....	26
3.3.1. TEST CHANNEL = MCH.....	26
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	27
4.1. TEST RESULT.....	27
4.2. TEST PLOTS.....	28
5. BAND EDGE COMPLIANCE.....	46
5.1. TEST PLOTS.....	46
6. SPURIOUS EMISSION AT ANTENNA TERMINAL.....	70
6.1. TEST PLOTS.....	70
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	88
7.1. TEST MODE =LTE/TM1 (DOWN ANT).....	88
7.1.1. TEST CHANNEL = LCH.....	88
7.1.2. TEST CHANNEL = MCH.....	88
7.1.3. TEST CHANNEL = HCH.....	89
7.2. TEST MODE =LTE/TM1 (UP ANT).....	89
7.2.1. TEST CHANNEL = LCH.....	89
7.2.2. TEST CHANNEL = MCH.....	90
7.2.3. TEST CHANNEL = HCH.....	90
8. FREQUENCY STABILITY.....	91
8.1. FREQUENCY VS VOLTAGE.....	91
8.2. FREQUENCY VS TEMPERATURE.....	91



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result for Down Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.86	21.83	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.91	21.88	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.79	21.76	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.92	20.89	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.05	21.02	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.97	20.94	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.98	20.95	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.91	21.88	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.05	22.02	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.88	21.85	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.97	20.94	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.01	20.98	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.03	21.00	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.98	20.95	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.79	21.76	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.97	21.94	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.85	21.82	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.92	20.89	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.04	21.01	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.00	20.97	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.98	20.95	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.03	20.00	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.11	20.08	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.97	19.94	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.99	18.96	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.91	18.88	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.99	18.96	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.09	19.06	33.00	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 <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



Band38	5MHz	64QAM	38000	1RB#0	20.99	19.96	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.15	20.12	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.06	20.03	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	21.07	20.04	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.07	19.04	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.00	18.97	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.03	19.00	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.92	19.89	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.14	20.11	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.03	20.00	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.99	18.96	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.07	19.04	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.92	18.89	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.10	19.07	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.05	21.02	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.13	21.10	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.99	20.96	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.93	19.90	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.95	19.92	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.98	19.95	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.03	20.00	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.09	21.06	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.10	21.07	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.07	21.04	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.02	19.99	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.96	19.93	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.98	19.95	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.99	19.96	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.96	20.93	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.12	21.09	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.03	21.00	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.94	19.91	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.06	20.03	33.00	PASS





Band38	5MHz	16QAM	38225	12RB#13	20.92	19.89	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.04	20.01	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.65	21.62	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.81	21.78	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.61	21.58	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.84	20.81	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.04	21.01	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.91	20.88	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.92	20.89	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.95	21.92	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.91	21.88	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.90	21.87	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.92	20.89	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.07	21.04	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.88	20.85	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.95	20.92	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.93	21.90	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.79	21.76	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.97	21.94	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.78	20.75	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.09	21.06	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.93	20.90	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.97	20.94	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.73	19.70	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.05	20.02	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.64	19.61	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.85	18.82	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.00	18.97	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.00	18.97	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.94	18.91	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.98	19.95	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.07	20.04	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.09	20.06	33.00	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 <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.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



Band38	10MHz	64QAM	38000	25RB#0	20.92	19.89	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.88	18.85	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.96	18.93	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.86	18.83	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.18	20.15	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.04	20.01	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.94	19.91	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.91	18.88	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.99	18.96	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.94	18.91	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.06	19.03	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.76	20.73	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.99	20.96	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.67	20.64	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.81	19.78	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.04	20.01	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.94	19.91	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.97	19.94	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.03	21.00	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.04	21.01	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.95	20.92	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.89	19.86	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.98	19.95	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.88	19.85	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.98	19.95	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.14	21.11	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.05	21.02	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.95	20.92	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.93	19.90	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.00	19.97	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.95	19.92	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.00	19.97	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.24	22.21	33.00	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 <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.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



Band38	15MHz	QPSK	37825	1RB#38	23.08	22.05	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.09	22.06	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.06	21.03	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.26	21.23	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	22.14	21.11	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.16	21.13	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.21	22.18	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.17	22.14	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.17	22.14	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.26	21.23	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.32	21.29	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.13	21.10	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.14	21.11	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.15	22.12	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.21	22.18	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.06	22.03	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.13	21.10	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.16	21.13	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.18	21.15	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.13	21.10	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.26	20.23	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.31	20.28	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.13	20.10	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.02	18.99	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.22	19.19	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	20.07	19.04	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.17	19.14	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.25	20.22	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.18	20.15	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.33	20.30	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	21.22	20.19	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	20.15	19.12	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	20.20	19.17	33.00	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 <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



Band38	15MHz	64QAM	38000	75RB#0	20.19	19.16	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.38	20.35	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.23	20.20	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.24	20.21	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	20.07	19.04	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	20.18	19.15	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.12	19.09	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.07	19.04	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.28	21.25	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.27	21.24	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.14	21.11	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	21.04	20.01	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	21.19	20.16	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.09	20.06	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.19	20.16	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.20	21.17	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.28	21.25	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.23	21.20	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.17	20.14	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.17	20.14	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	21.13	20.10	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.25	20.22	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.35	21.32	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.23	21.20	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.18	21.15	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	21.08	20.05	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	21.18	20.15	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	21.12	20.09	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.09	20.06	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.21	22.18	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.17	22.14	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.13	22.10	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.08	21.05	33.00	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 <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.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



Band38	20MHz	QPSK	37850	50RB#0	22.14	21.11	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.16	21.13	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.06	21.03	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.13	22.10	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.21	22.18	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.17	22.14	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.11	21.08	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.24	21.21	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.18	21.15	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.18	21.15	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.18	22.15	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.11	22.08	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.11	22.08	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.13	21.10	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.26	21.23	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.12	21.09	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.08	21.05	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.36	20.33	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.29	20.26	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.26	20.23	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.14	19.11	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.29	19.26	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.18	19.15	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.12	19.09	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.22	20.19	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.53	20.50	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.33	20.30	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	21.30	20.27	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.13	19.10	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.28	19.25	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.14	19.11	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.29	20.26	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.29	20.26	33.00	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 <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.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



Band38	20MHz	64QAM	38150	1RB#49	21.39	20.36	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.18	19.15	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.29	19.26	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.27	19.24	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.18	19.15	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.37	21.34	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.25	21.22	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.21	21.18	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.08	20.05	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.26	20.23	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.17	20.14	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.08	20.05	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.48	21.45	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.31	21.28	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.25	21.22	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.15	20.12	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.29	20.26	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.18	20.15	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.22	20.19	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.30	21.27	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.32	21.29	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.42	21.39	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.16	20.13	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.30	20.27	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.22	20.19	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.20	20.17	33.00	PASS

1.2. Test Result for Up Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.84	20.86	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.95	20.97	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.89	20.91	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.98	20.00	33.00	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 <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



Band38	5MHz	QPSK	37775	12RB#0	20.95	19.97	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.04	20.06	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.90	19.92	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.79	20.81	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.90	20.92	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.84	20.86	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.98	20.00	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.98	20.00	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.04	20.06	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.94	19.96	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.90	20.92	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.99	21.01	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.89	20.91	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.99	20.01	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.04	20.06	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.02	20.04	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.93	19.95	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.65	19.67	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.98	20.00	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.70	19.72	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.88	18.90	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.98	19.00	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.96	18.98	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.01	18.03	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	19.99	19.01	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	19.99	19.01	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.31	19.33	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.33	19.35	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	18.88	17.90	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	18.99	18.01	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.02	18.04	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.11	19.13	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.86	19.88	33.00	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 <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 (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



Band38	5MHz	64QAM	38225	1RB#24	20.87	19.89	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.84	18.86	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.00	19.02	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.89	18.91	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.92	18.94	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.87	19.89	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.09	20.11	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.02	20.04	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.91	18.93	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.00	19.02	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	19.93	18.95	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.00	19.02	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.07	20.09	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.10	20.12	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.97	19.99	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.94	18.96	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.01	19.03	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.99	19.01	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.99	19.01	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.85	19.87	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.10	20.12	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.11	20.13	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	19.92	18.94	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.00	19.02	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.02	19.04	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.08	19.10	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.63	20.65	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.97	20.99	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.59	20.61	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.83	19.85	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.86	19.88	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.92	19.94	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.85	19.87	33.00	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 <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.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



Band38	10MHz	QPSK	38000	1RB#24	21.92	20.94	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.86	20.88	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.85	20.87	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.86	19.88	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.93	19.95	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.91	19.93	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.92	19.94	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.94	20.96	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.90	20.92	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.97	20.99	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.86	19.88	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.08	20.10	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.92	19.94	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.94	19.96	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.66	19.68	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.53	19.55	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.75	19.77	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.93	18.95	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.99	19.01	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.84	18.86	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.90	18.92	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.00	19.02	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.10	19.12	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.37	19.39	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.13	19.15	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	18.95	17.97	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.02	18.04	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	18.91	17.93	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.75	19.77	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.99	20.01	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.91	19.93	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.97	18.99	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.99	19.01	33.00	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 <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.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



Band38	10MHz	64QAM	38200	25RB#12	19.94	18.96	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.21	18.23	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.75	19.77	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.05	20.07	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.74	19.76	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	19.81	18.83	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	19.99	19.01	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	19.95	18.97	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	19.83	18.85	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.01	20.03	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.03	20.05	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.99	20.01	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	19.94	18.96	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.02	19.04	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	19.90	18.92	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.00	19.02	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.07	20.09	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.05	20.07	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.17	20.19	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.88	18.90	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.09	19.11	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.90	18.92	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.02	19.04	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.11	21.13	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.05	21.07	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.94	20.96	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.10	20.12	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.09	20.11	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.12	20.14	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.23	20.25	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.13	21.15	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.13	21.15	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.02	21.04	33.00	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 <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



Band38	15MHz	QPSK	38000	36RB#0	21.16	20.18	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.22	20.24	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.09	20.11	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.07	20.09	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.11	21.13	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.02	21.04	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.01	21.03	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.19	20.21	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.07	20.09	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.04	20.06	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.07	20.09	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.29	19.31	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.57	19.59	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.17	19.19	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	18.87	17.89	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	18.98	18.00	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	18.90	17.92	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	18.97	17.99	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.18	19.20	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.78	19.80	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.72	19.74	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	20.79	19.81	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.74	18.76	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.89	18.91	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.85	18.87	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.28	19.30	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.12	19.14	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.08	19.10	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	18.69	17.71	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	18.90	17.92	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	18.94	17.96	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	18.85	17.87	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.18	20.20	33.00	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 <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



Band38	15MHz	16QAM	37825	1RB#0	21.26	20.28	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.16	20.18	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.02	19.04	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.19	19.21	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.11	19.13	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.07	19.09	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.31	20.33	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.20	20.22	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.34	20.36	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.16	19.18	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.23	19.25	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.03	19.05	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.18	19.20	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.38	20.40	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.36	20.38	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.24	20.26	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.06	19.08	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.17	19.19	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.22	19.24	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.20	19.22	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.20	21.22	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.13	21.15	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.17	21.19	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.12	20.14	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.14	20.16	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.12	20.14	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.04	20.06	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.27	21.29	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.04	21.06	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.12	21.14	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.11	20.13	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.21	20.23	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.15	20.17	33.00	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 <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



Band38	20MHz	QPSK	38000	100RB#0	21.05	20.07	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.09	21.11	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.02	21.04	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.17	21.19	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.11	20.13	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.31	20.33	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.15	20.17	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.16	20.18	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.76	19.78	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.47	19.49	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.61	19.63	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.48	18.50	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.59	18.61	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.33	18.35	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.44	18.46	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.17	19.19	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.48	19.50	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.52	19.54	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.37	19.39	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.38	18.40	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.50	18.52	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.33	18.35	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.78	19.80	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.44	19.46	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.48	19.50	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.31	18.33	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.51	18.53	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.42	18.44	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.48	18.50	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.37	20.39	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.21	20.23	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.06	20.08	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.06	19.08	33.00	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 <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.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



Band38	20MHz	16QAM	37850	50RB#25	20.14	19.16	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.21	19.23	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.15	19.17	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.58	20.60	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.20	20.22	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.20	20.22	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.12	19.14	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.19	19.21	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.16	19.18	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.17	19.19	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.43	20.45	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.33	20.35	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.36	20.38	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.12	19.14	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.21	19.23	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.21	19.23	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.12	19.14	33.00	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



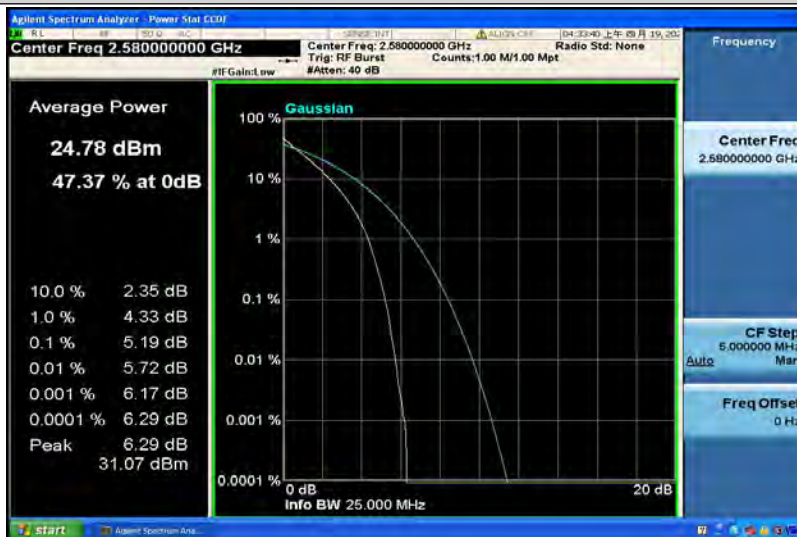
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	5.19	13.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	4.75	13.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	4.84	13.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	5.94	13.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	5.59	13.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	5.68	13.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	5.94	13.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	5.57	13.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	5.67	13.00	PASS

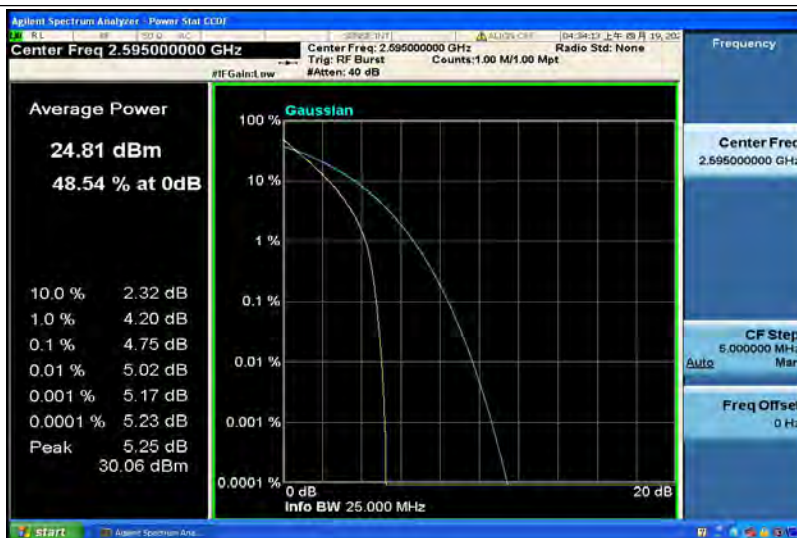
2.2. Test Plots

Band38-20MHz-QPSK-37850-100RB#0



Band38-20MHz-QPSK-38000-100RB#0





Band38-20MHz-QPSK-38150-100RB#0

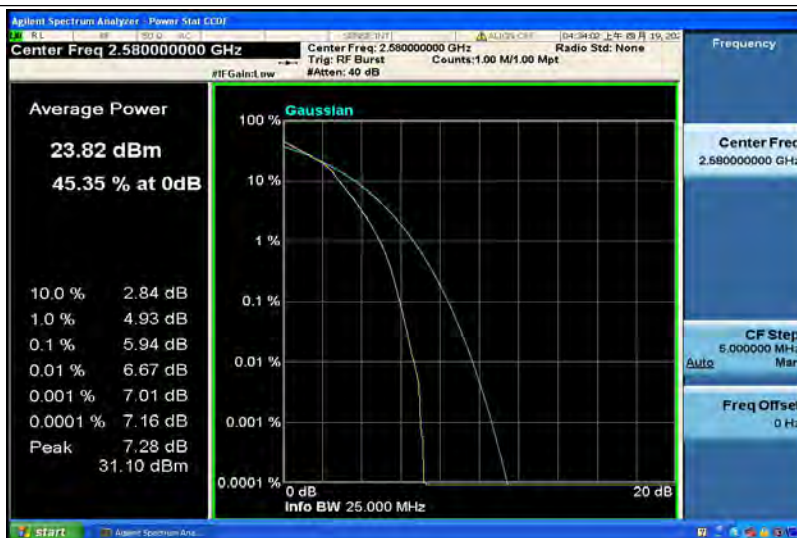


Band38-20MHz-64QAM-37850-100RB#0

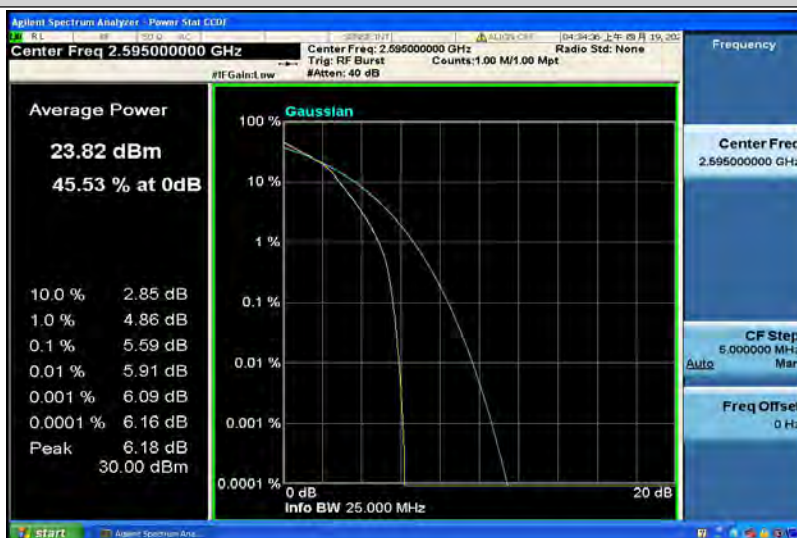


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

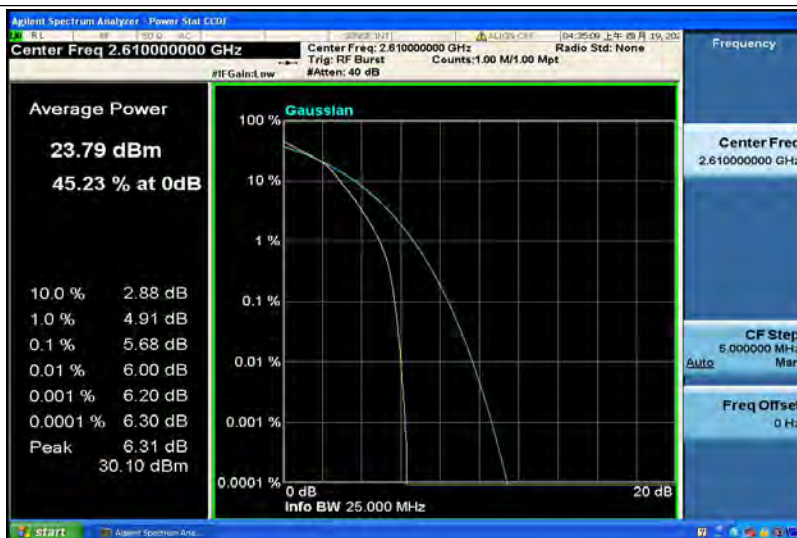


Band38-20MHz-64QAM-38000-100RB#0

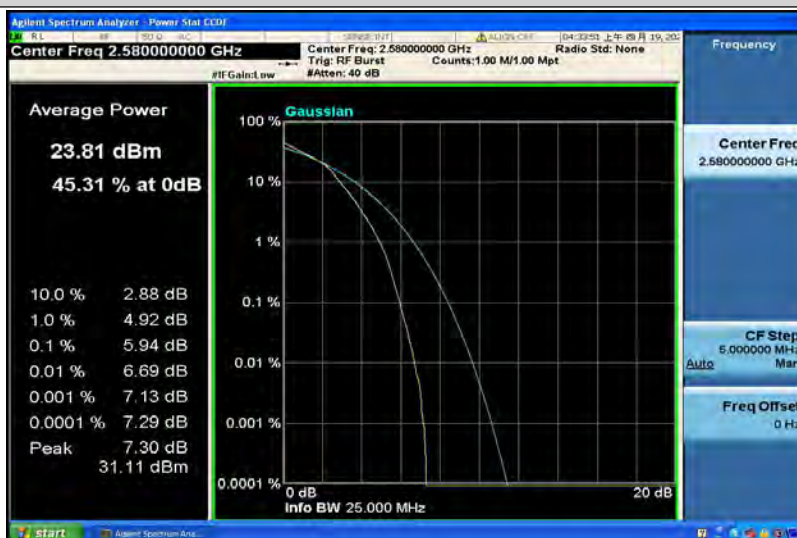


Band38-20MHz-64QAM-38150-100RB#0





Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-100RB#0



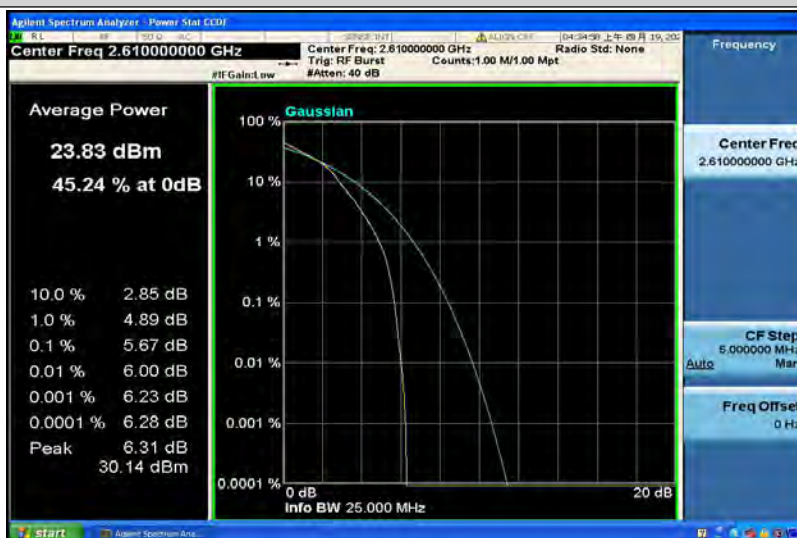
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-20MHz-16QAM-38150-100RB#0



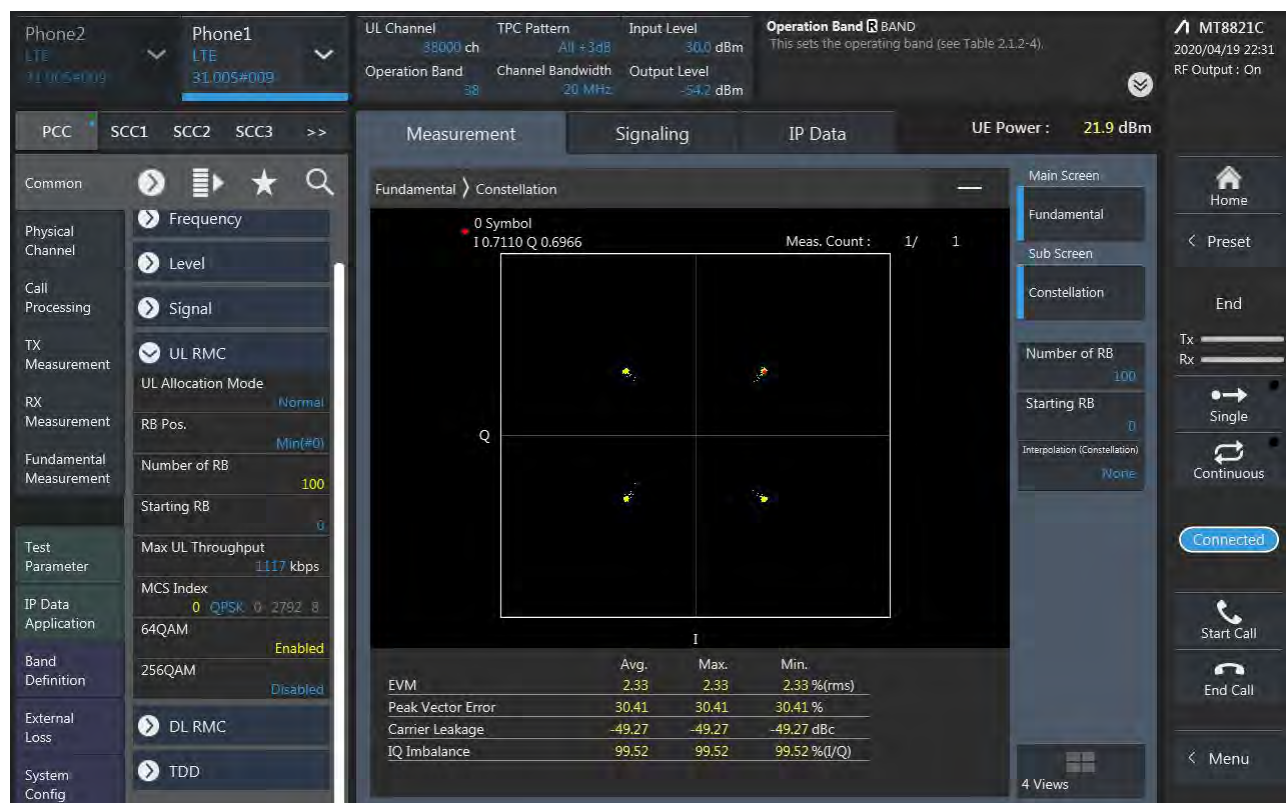
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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

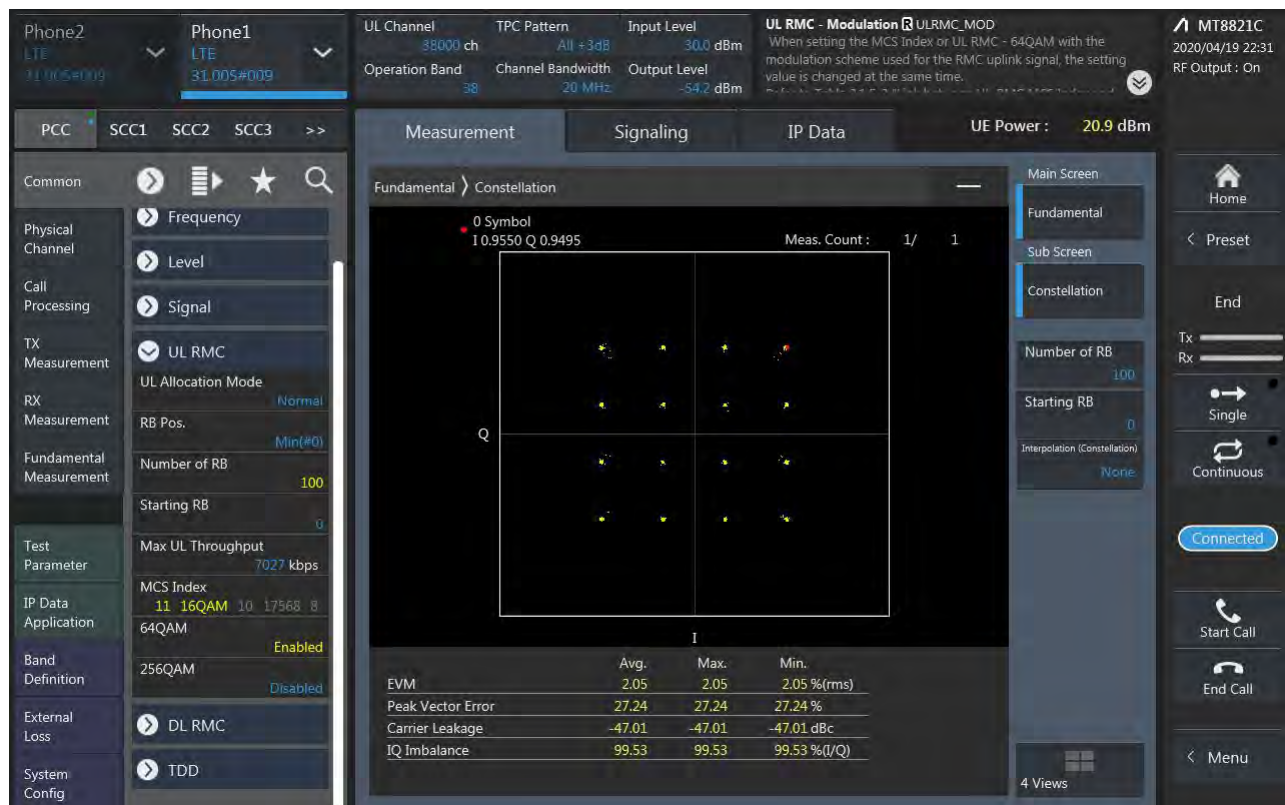
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 deemed to have accepted the Company's conditions and to be bound by them. The Company's responsibility is limited to the Client's instructions if any. The Company 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 expiration date is strictly prohibited. The Company is not responsible for the results shown in this document if they are not 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.

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



3.2. Test Mode = LTE /TM2 20MHz

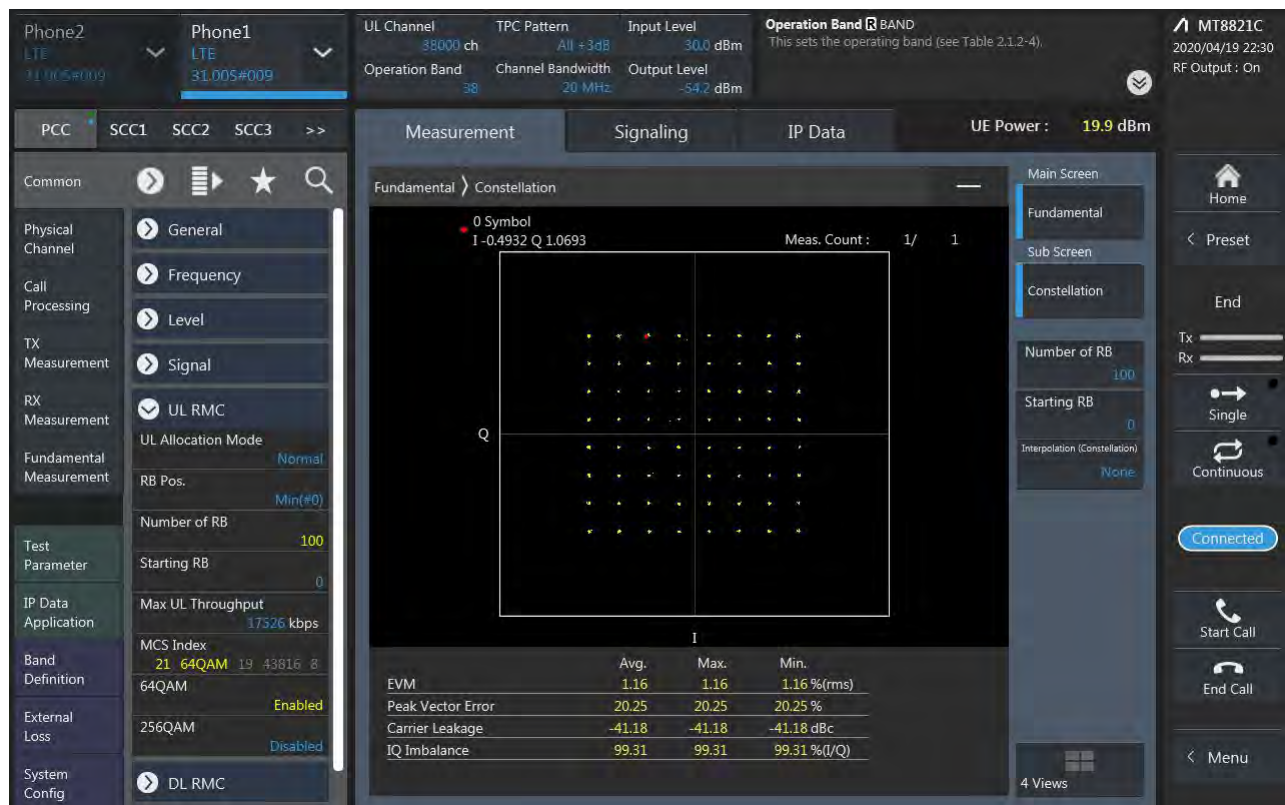
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4698	4.861	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4672	4.858	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4626	4.866	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.4720	4.838	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.4683	4.843	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.4681	4.847	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4865	4.890	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4891	4.903	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4832	4.902	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9054	9.561	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9115	9.594	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9097	9.575	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.9206	9.600	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.9246	9.556	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.9208	9.556	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9058	9.561	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9076	9.584	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9239	9.535	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.460	14.61	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.472	14.72	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.444	14.75	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.419	14.70	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.432	14.68	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.424	14.63	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.442	14.65	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.422	14.61	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.443	14.63	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.868	19.31	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.907	19.33	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.893	19.24	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.842	19.31	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.

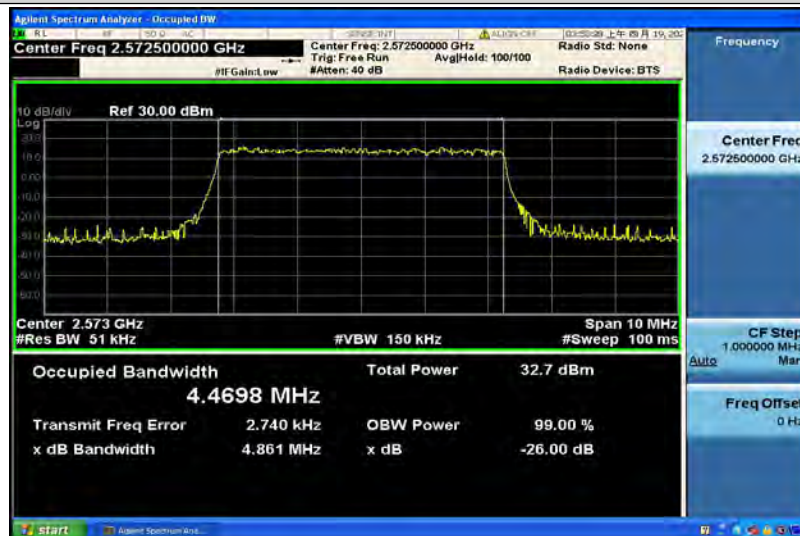
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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



Band38	20MHz	64QAM	38000	100RB#0	17.790	19.15	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.838	19.21	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.872	19.24	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.856	19.24	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.844	19.25	PASS

4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.4698



Band38-5MHz-QPSK-38000-25RB#0-4.4672

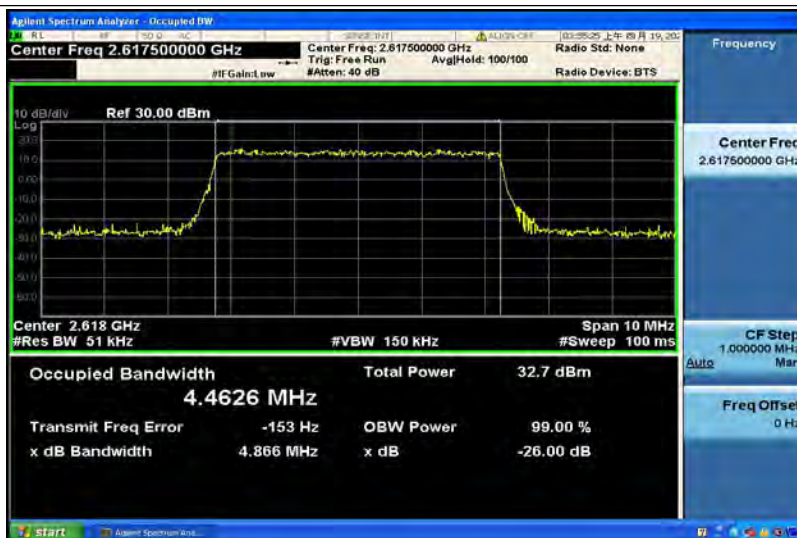


Band38-5MHz-QPSK-38225-25RB#0-4.4626

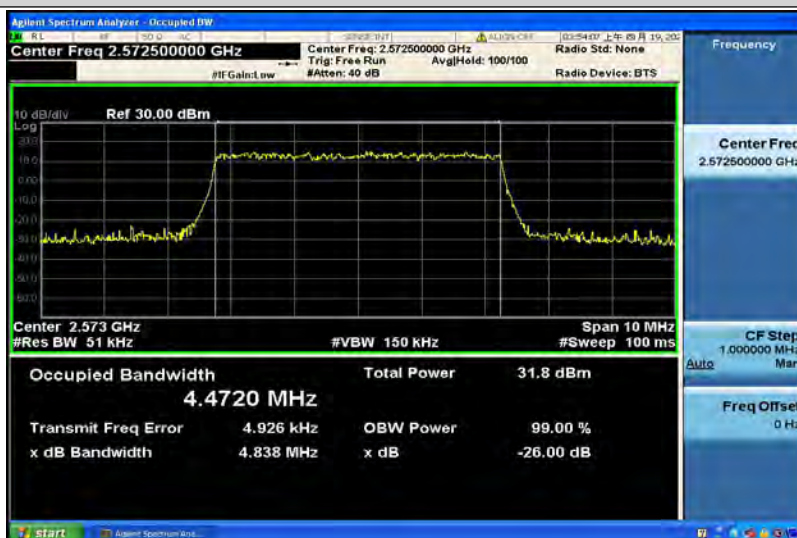


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 8367 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

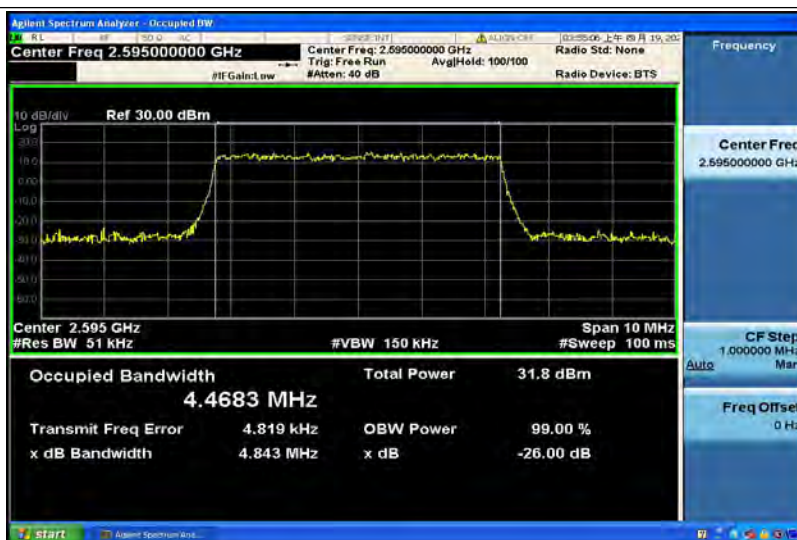


Band38-5MHz-64QAM-37775-25RB#0-4.4720

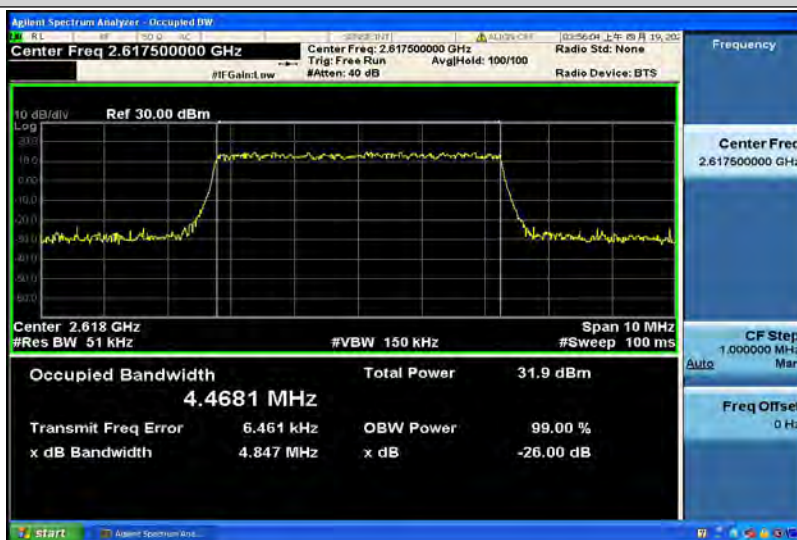


Band38-5MHz-64QAM-38000-25RB#0-4.4683





Band38-5MHz-64QAM-38225-25RB#0-4.4681



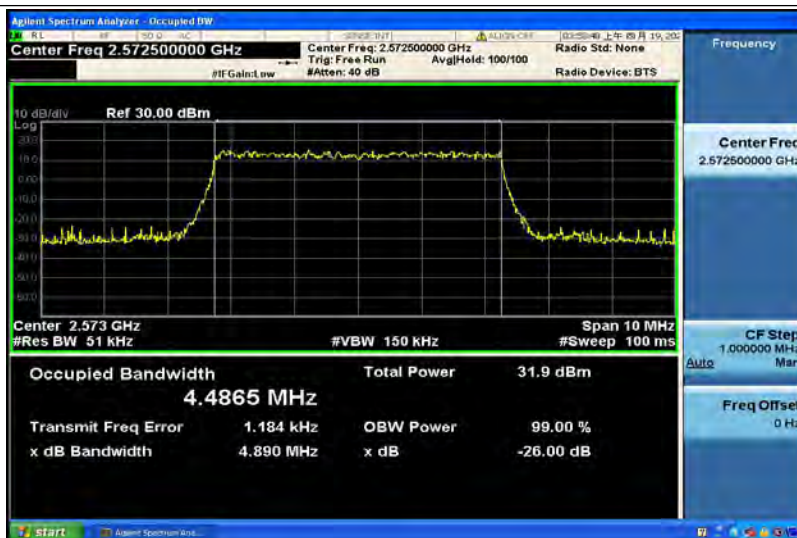
Band38-5MHz-16QAM-37775-25RB#0-4.4865



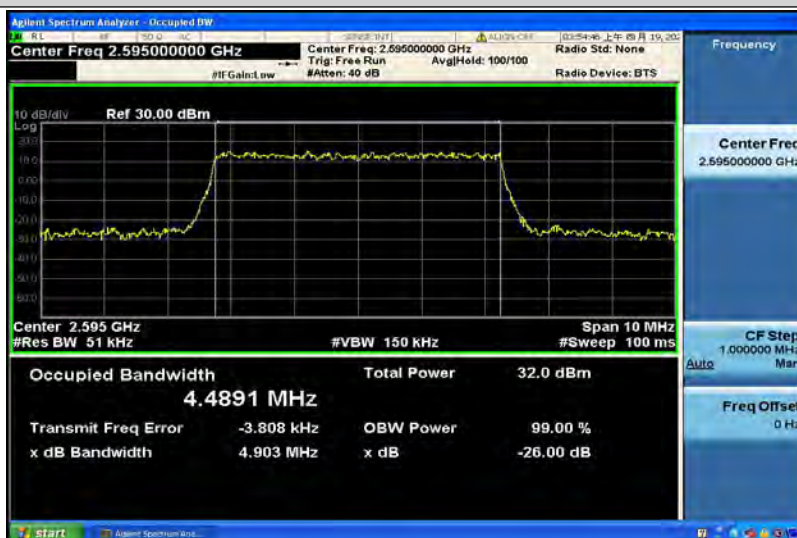
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 deemed to have accepted the terms and conditions of the document and to have agreed to be bound by the terms and conditions of the 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 strictly prohibited and may result in severe civil or criminal penalties, damages and/or legal action. The results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band38-5MHz-16QAM-38000-25RB#0-4.4891



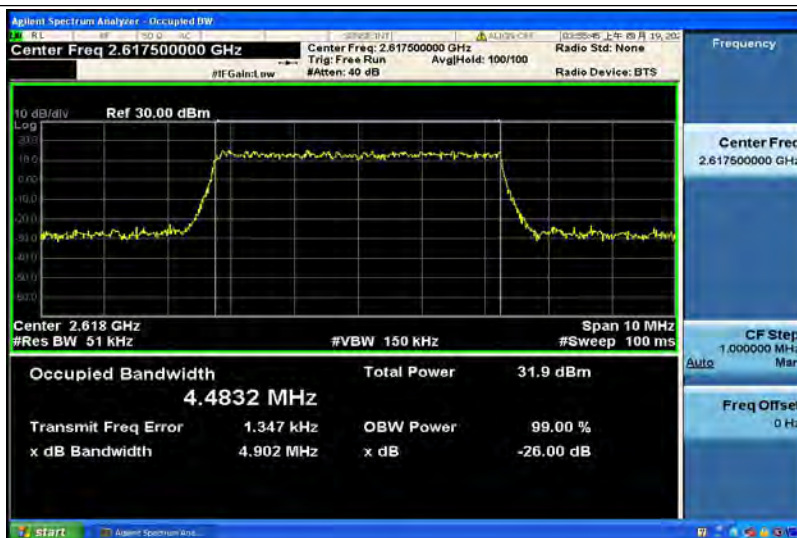
Band38-5MHz-16QAM-38225-25RB#0-4.4832



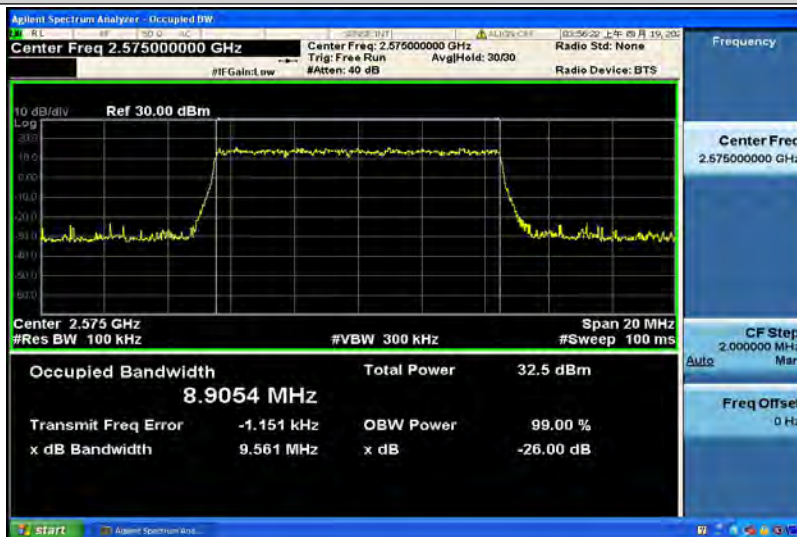
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-10MHz-QPSK-37800-50RB#0-8.9054



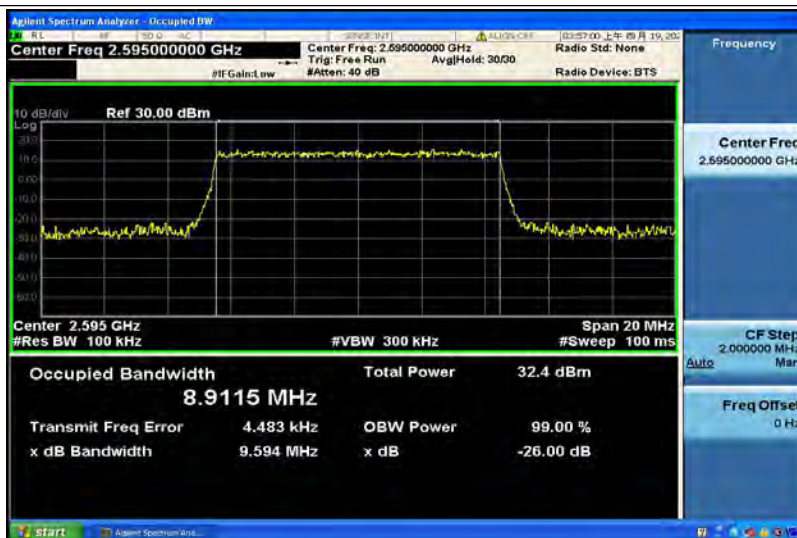
Band38-10MHz-QPSK-38000-50RB#0-8.9115



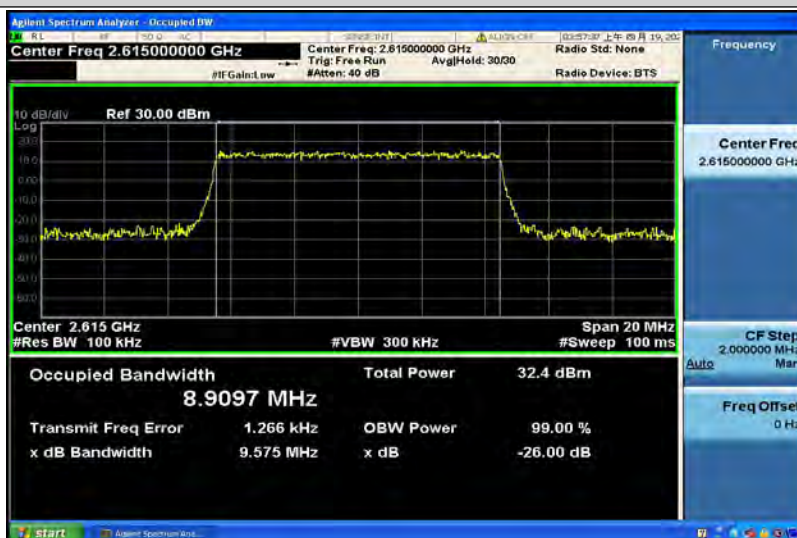
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

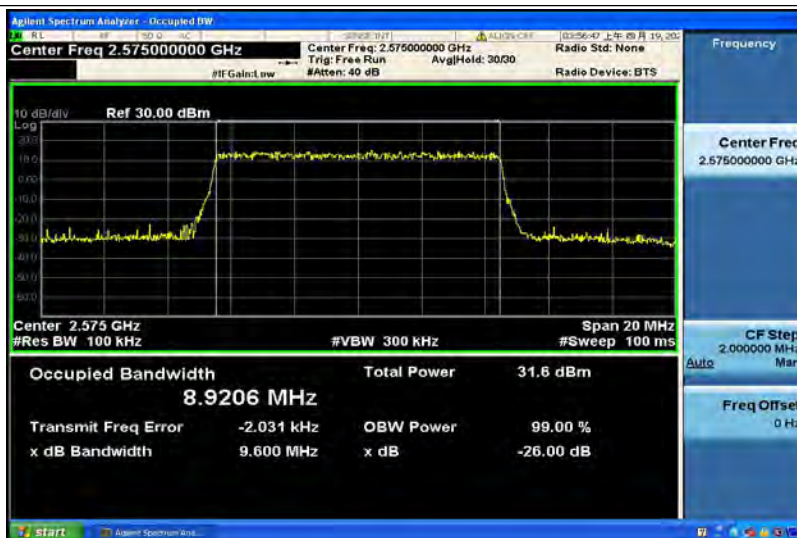


Band38-10MHz-QPSK-38200-50RB#0-8.9097

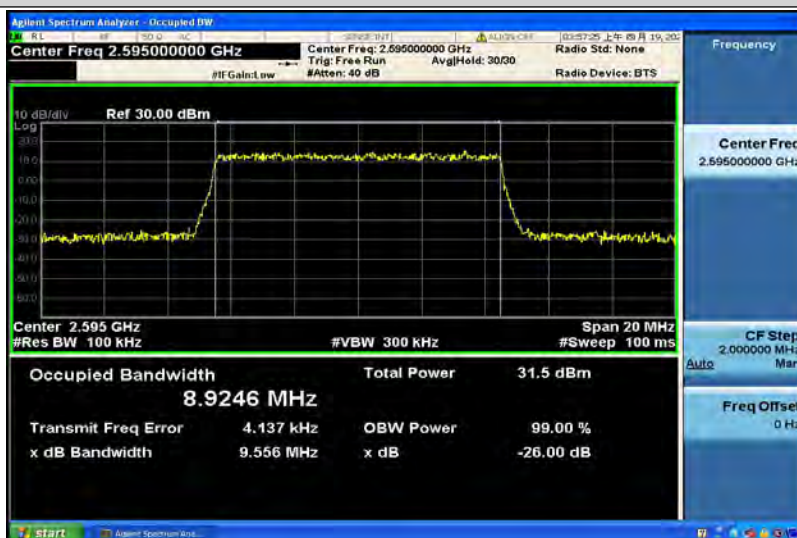


Band38-10MHz-64QAM-37800-50RB#0-8.9206





Band38-10MHz-64QAM-38000-50RB#0-8.9246



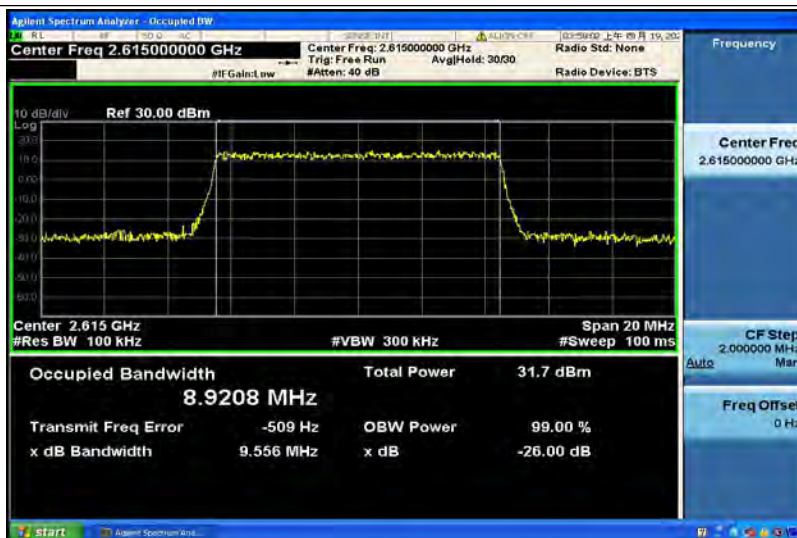
Band38-10MHz-64QAM-38200-50RB#0-8.9208



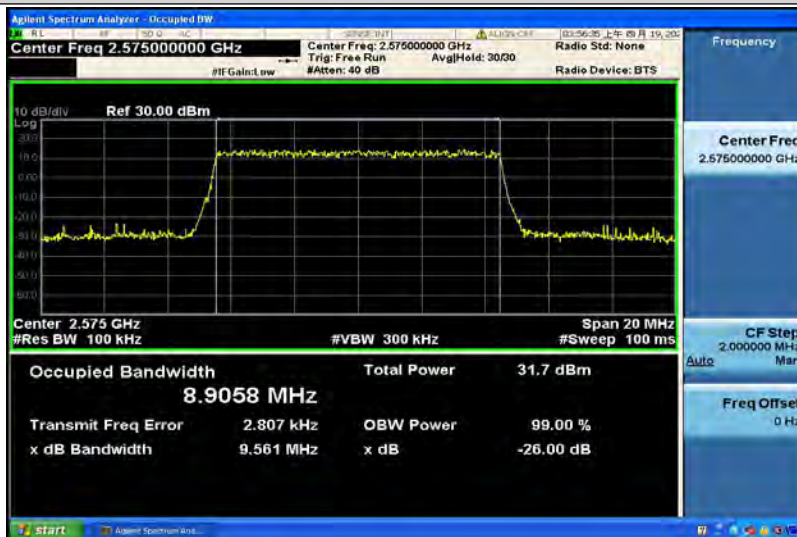
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-10MHz-16QAM-37800-50RB#0-8.9058

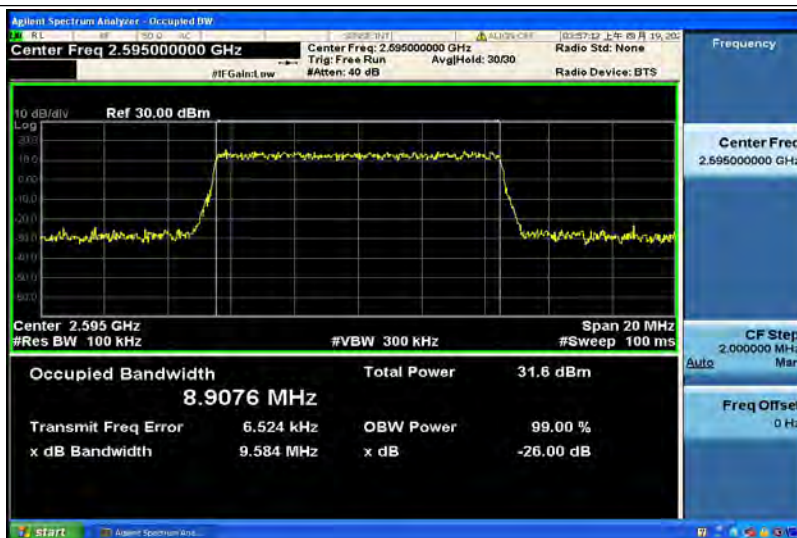


Band38-10MHz-16QAM-38000-50RB#0-8.9076

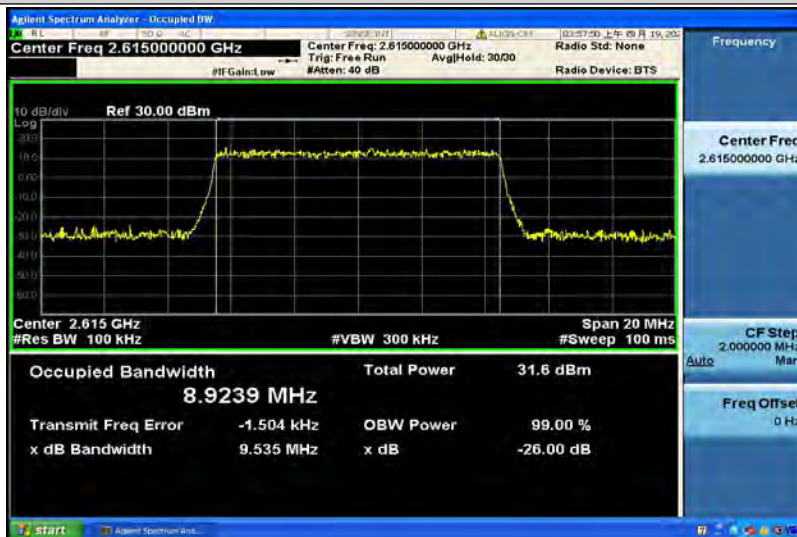


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

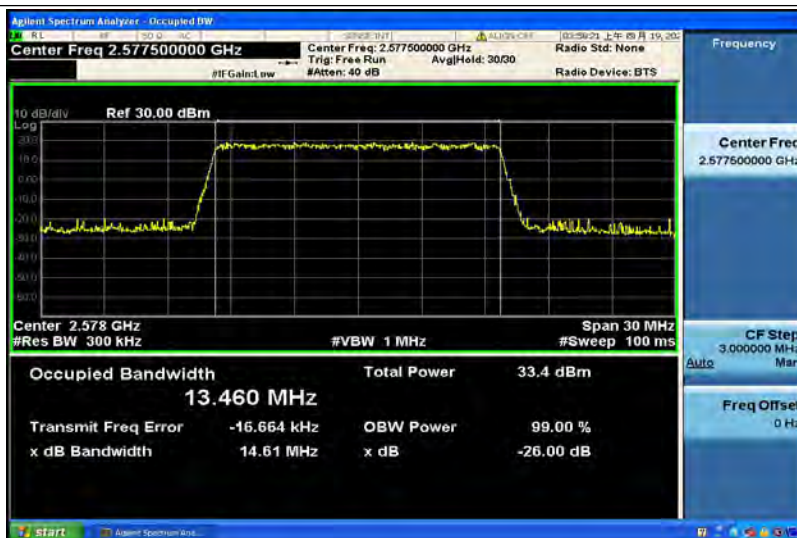


Band38-10MHz-16QAM-38200-50RB#0-8.9239

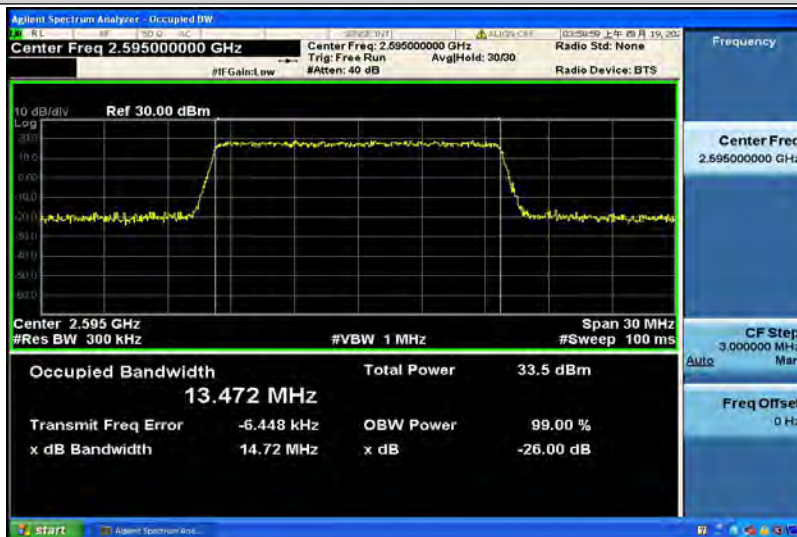


Band38-15MHz-QPSK-37825-75RB#0-13.460





Band38-15MHz-QPSK-38000-75RB#0-13.472



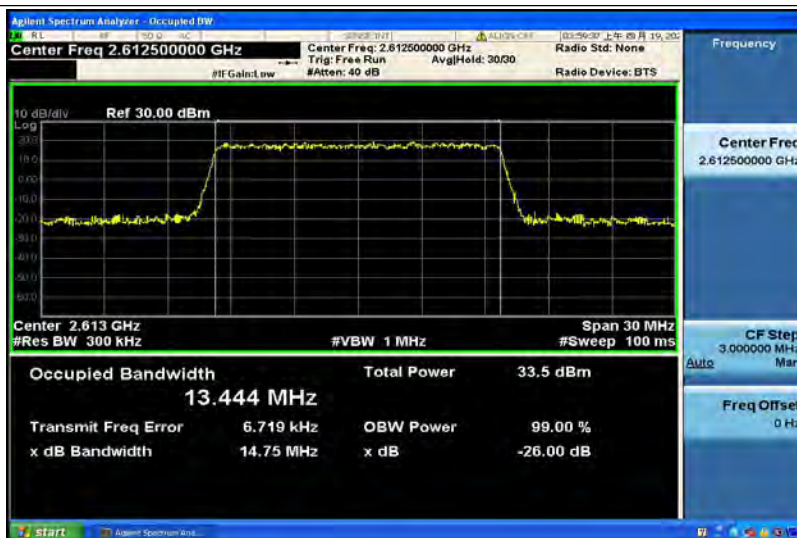
Band38-15MHz-QPSK-38175-75RB#0-13.444



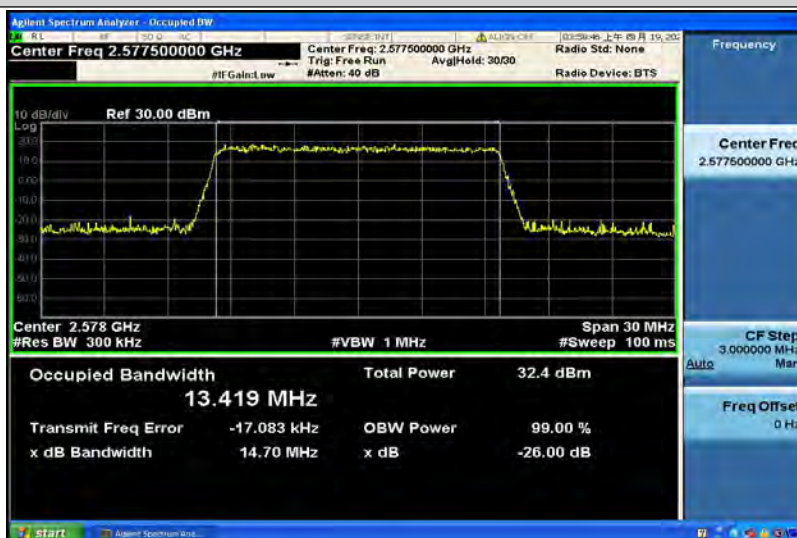
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-15MHz-64QAM-37825-75RB#0-13.419

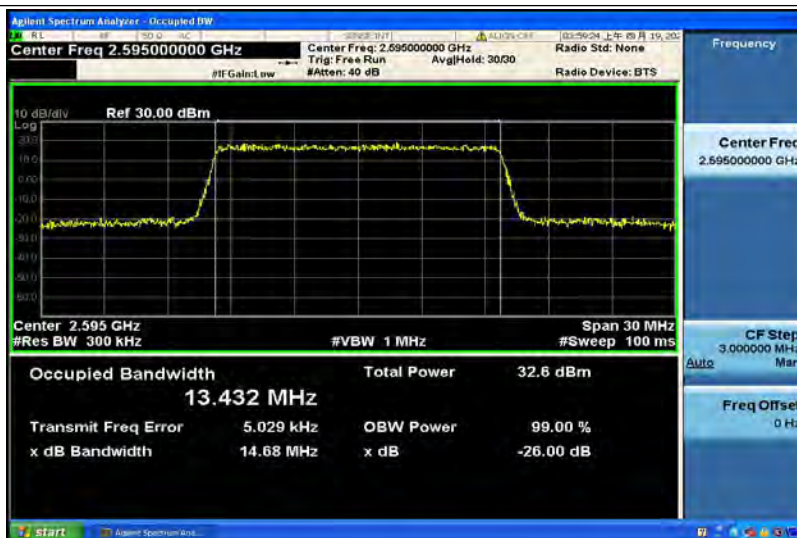


Band38-15MHz-64QAM-38000-75RB#0-13.432

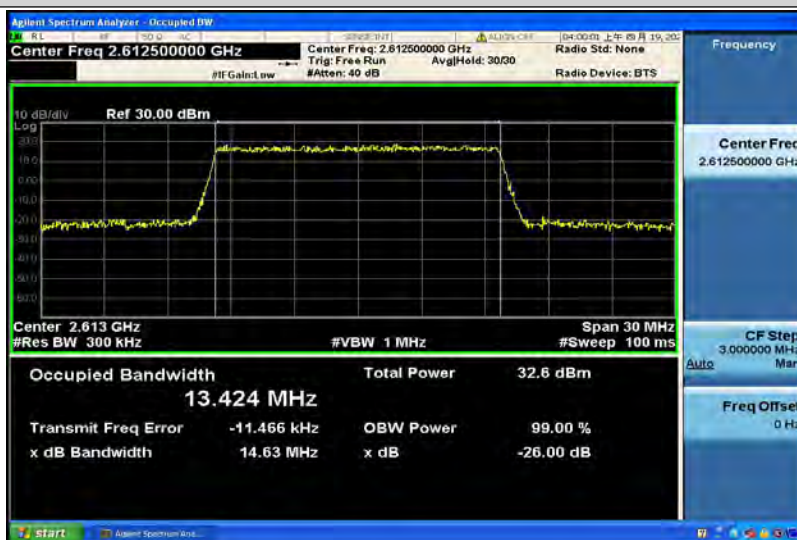


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-15MHz-64QAM-38175-75RB#0-13.424

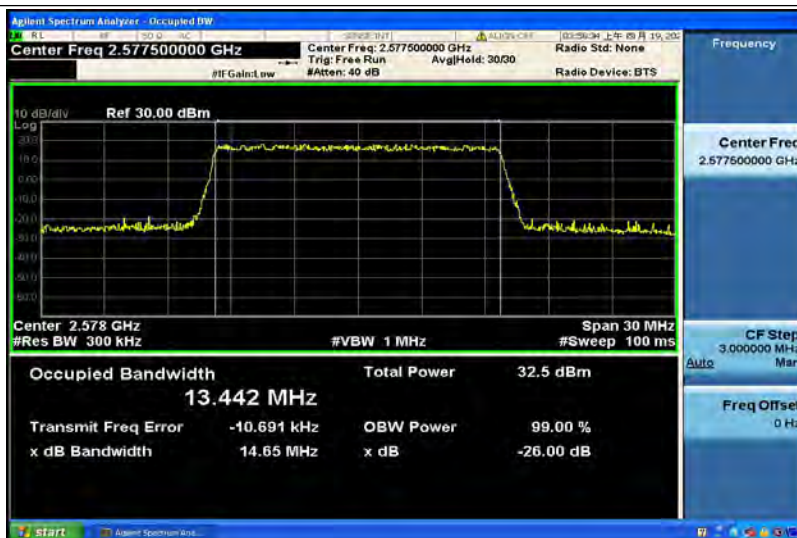


Band38-15MHz-16QAM-37825-75RB#0-13.442

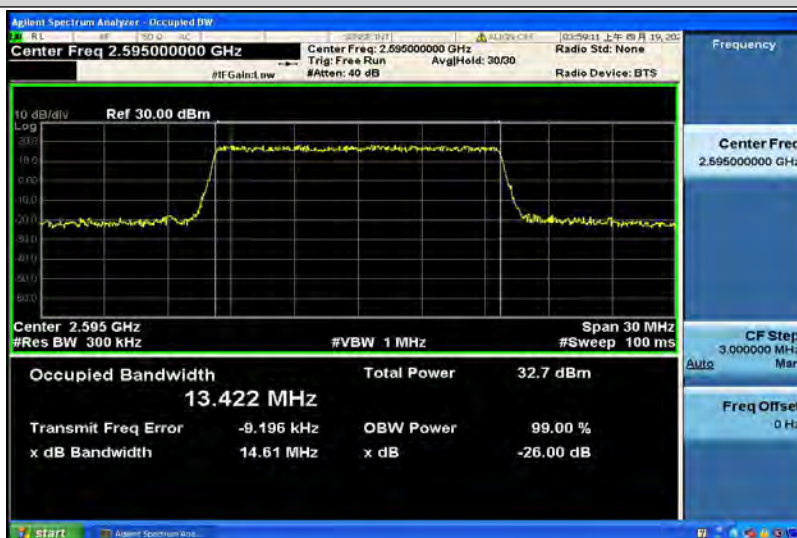


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-15MHz-16QAM-38000-75RB#0-13.422

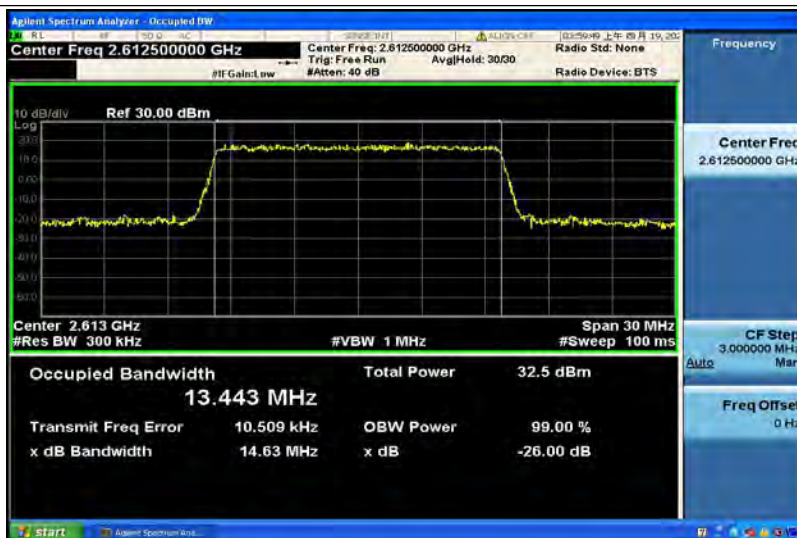


Band38-15MHz-16QAM-38175-75RB#0-13.443



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



Band38-20MHz-QPSK-37850-100RB#0-17.868

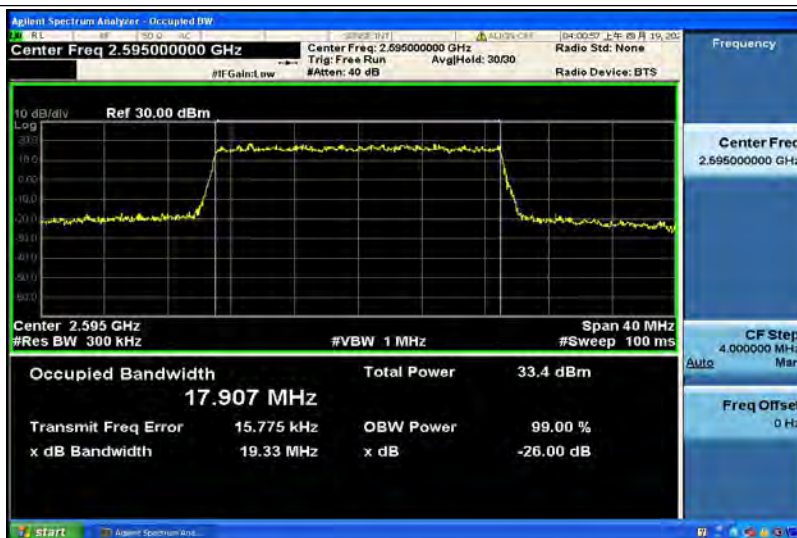


Band38-20MHz-QPSK-38000-100RB#0-17.907



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

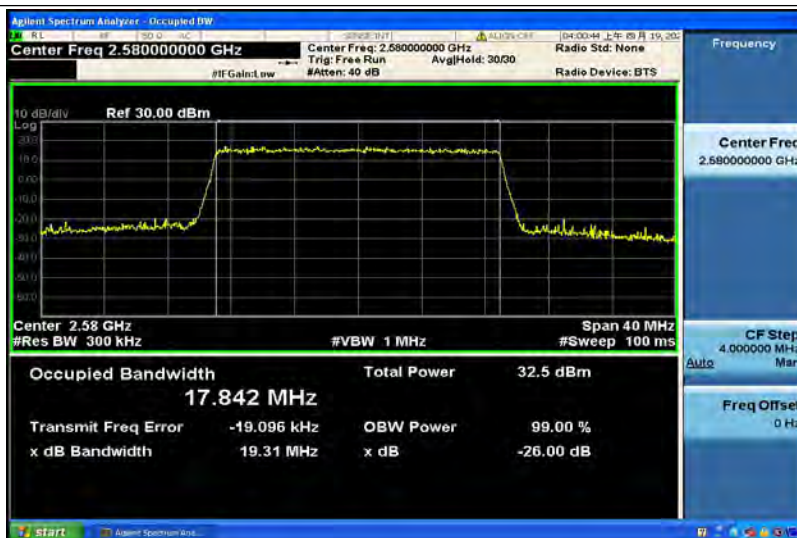


Band38-20MHz-QPSK-38150-100RB#0-17.893

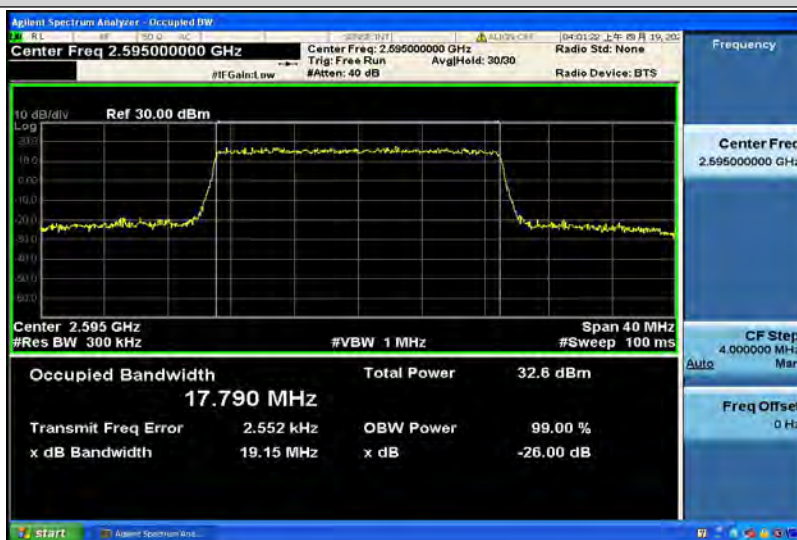


Band38-20MHz-64QAM-37850-100RB#0-17.842





Band38-20MHz-64QAM-38000-100RB#0-17.790

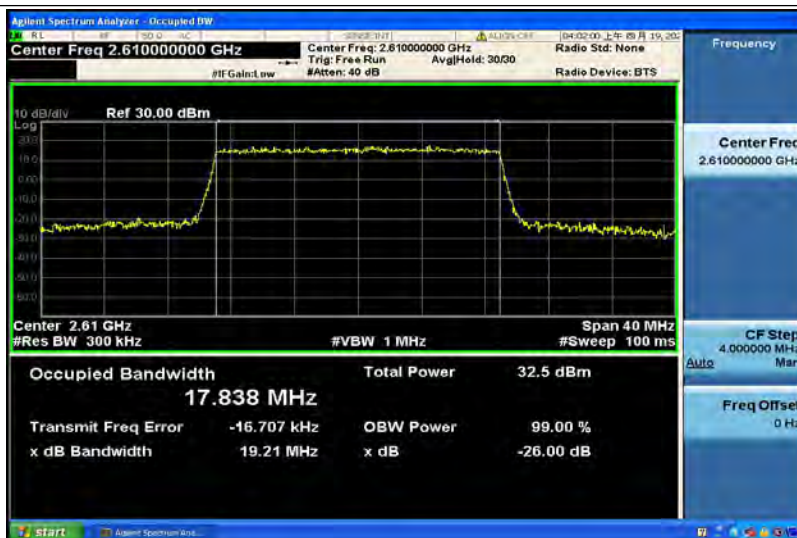


Band38-20MHz-64QAM-38150-100RB#0-17.838

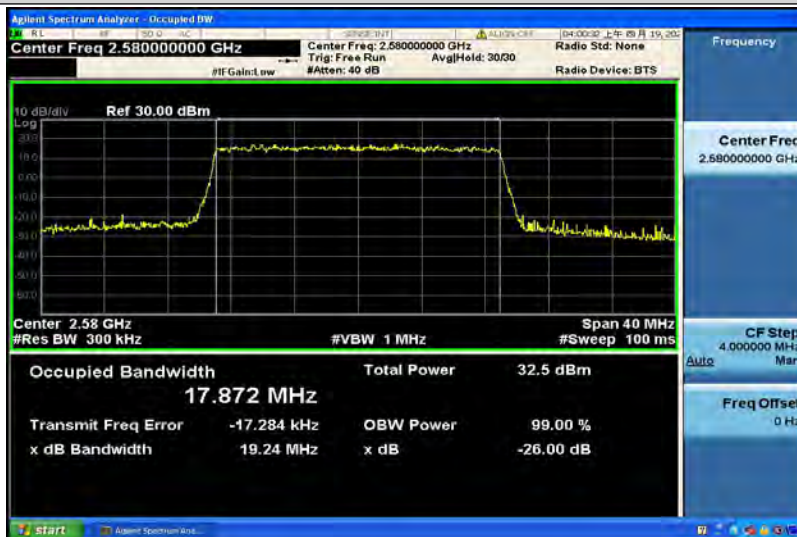


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

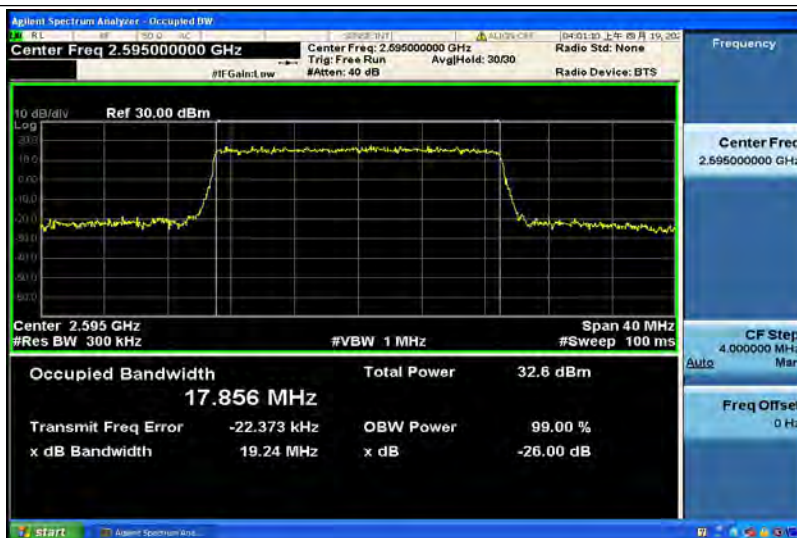


Band38-20MHz-16QAM-37850-100RB#0-17.872

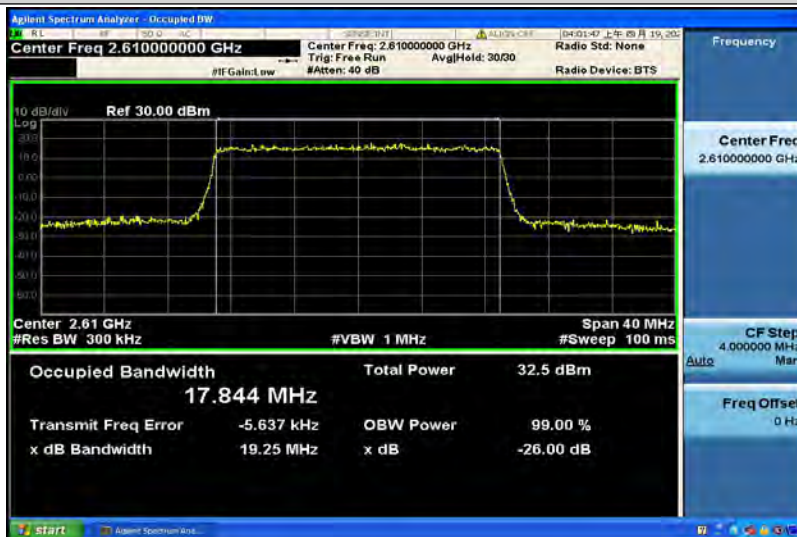


Band38-20MHz-16QAM-38000-100RB#0-17.856





Band38-20MHz-16QAM-38150-100RB#0-17.844



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.

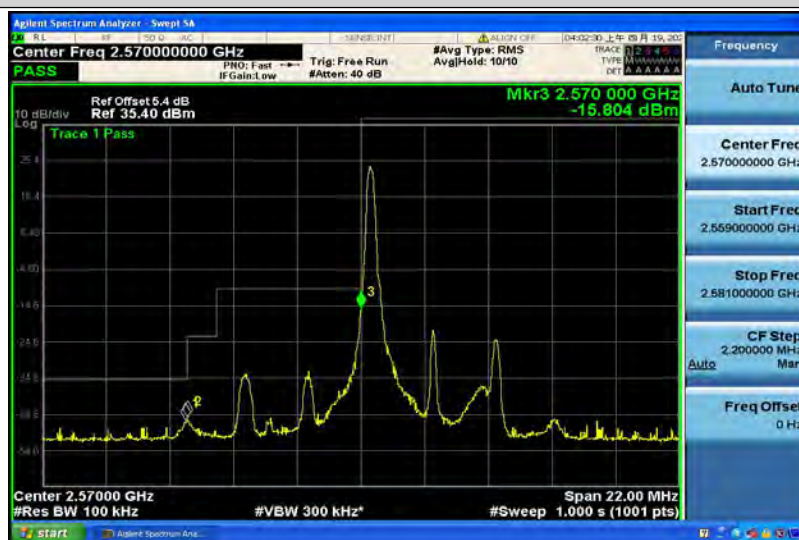
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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



5. Band Edge Compliance

5.1. Test Plots

Band38-5MHz-QPSK-37775-1RB#0



Band38-5MHz-QPSK-37775-25RB#0



Band38-5MHz-QPSK-38225-1RB#24



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

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



Band38-5MHz-QPSK-38225-25RB#0

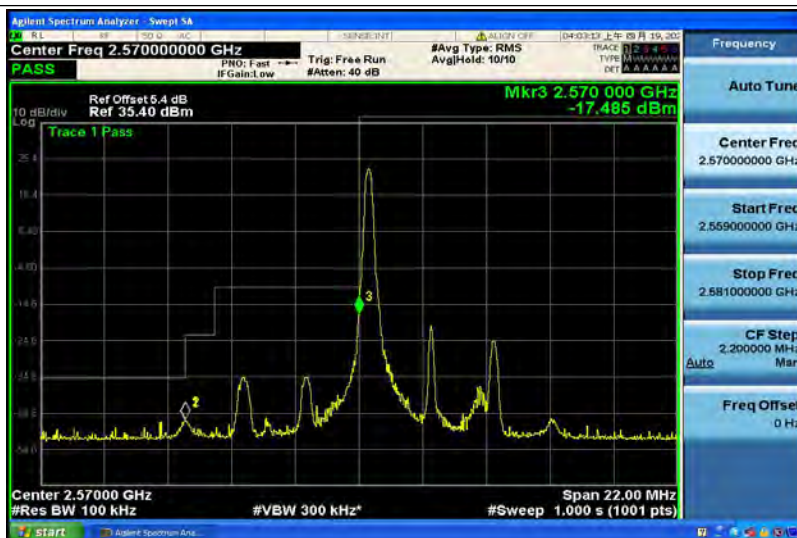


Band38-5MHz-64QAM-37775-1RB#0



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



Band38-5MHz-64QAM-37775-25RB#0



Band38-5MHz-64QAM-38225-1RB#24





Band38-5MHz-64QAM-38225-25RB#0



Band38-5MHz-16QAM-37775-1RB#0



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

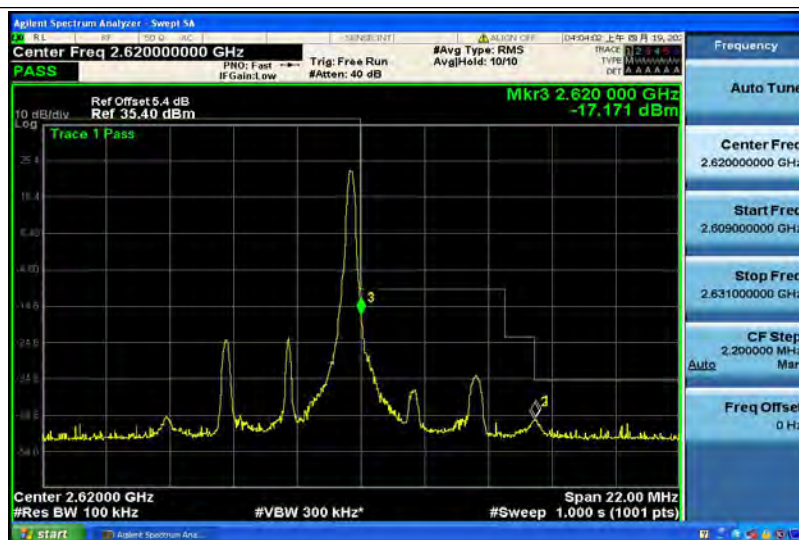


Band38-5MHz-16QAM-37775-25RB#0



Band38-5MHz-16QAM-38225-1RB#24





Band38-5MHz-16QAM-38225-25RB#0



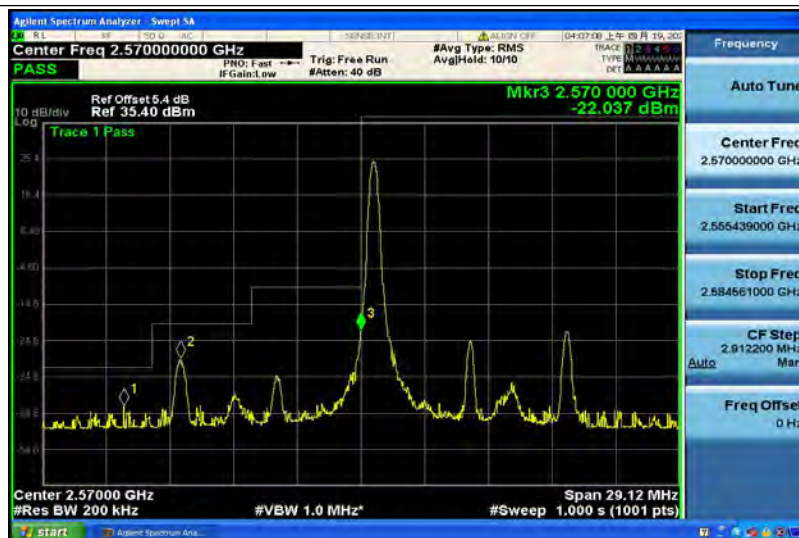
Band38-10MHz-QPSK-37800-1RB#0



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

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



Band38-10MHz-QPSK-37800-50RB#0



Band38-10MHz-QPSK-38200-1RB#49



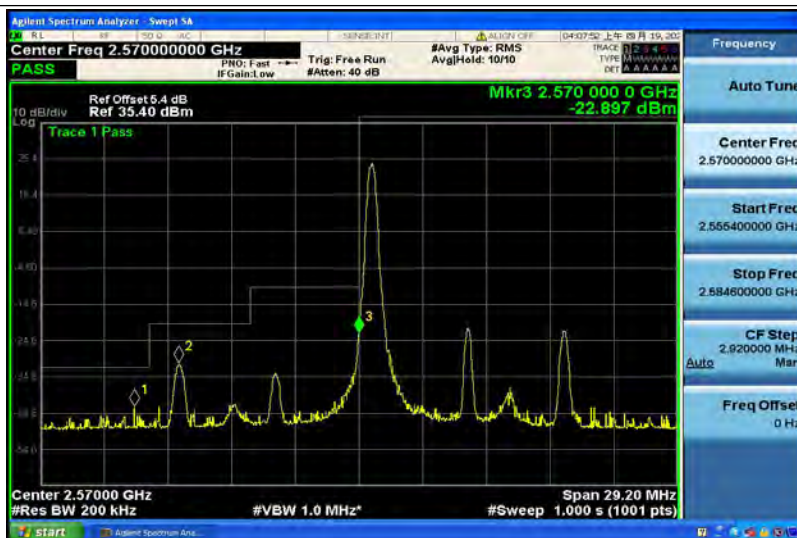


Band38-10MHz-QPSK-38200-50RB#0



Band38-10MHz-64QAM-37800-1RB#0



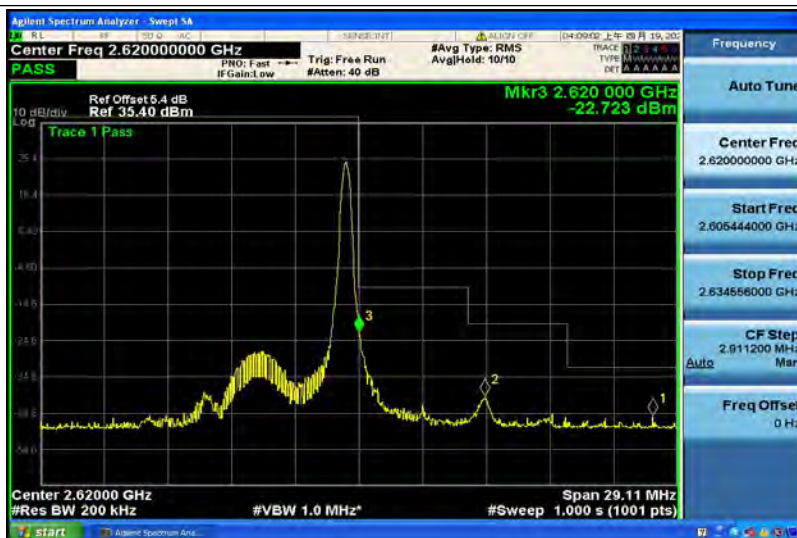


Band38-10MHz-64QAM-37800-50RB#0



Band38-10MHz-64QAM-38200-1RB#49



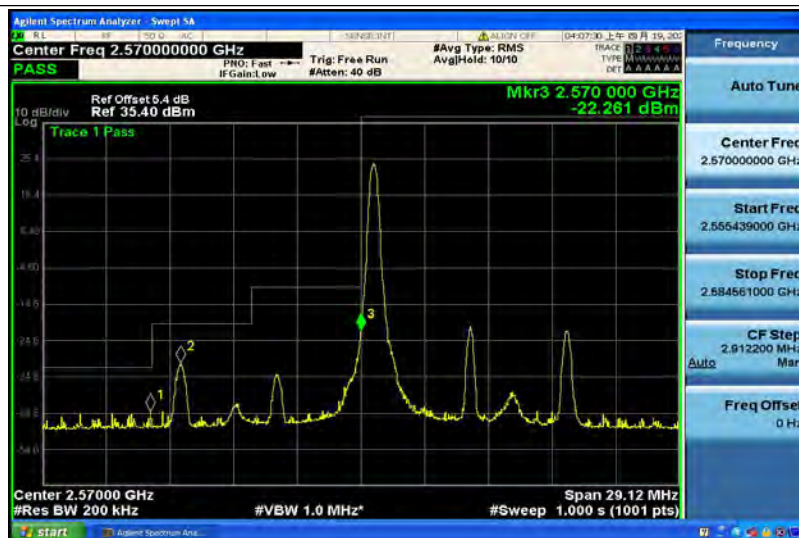


Band38-10MHz-64QAM-38200-50RB#0



Band38-10MHz-16QAM-37800-1RB#0





Band38-10MHz-16QAM-37800-50RB#0



Band38-10MHz-16QAM-38200-1RB#49





Band38-10MHz-16QAM-38200-50RB#0



Band38-15MHz-QPSK-37825-1RB#0





Band38-15MHz-QPSK-37825-75RB#0



Band38-15MHz-QPSK-38175-1RB#74





Band38-15MHz-QPSK-38175-75RB#0



Band38-15MHz-64QAM-37825-1RB#0





Band38-15MHz-64QAM-37825-75RB#0



Band38-15MHz-64QAM-38175-1RB#74





Band38-15MHz-64QAM-38175-75RB#0

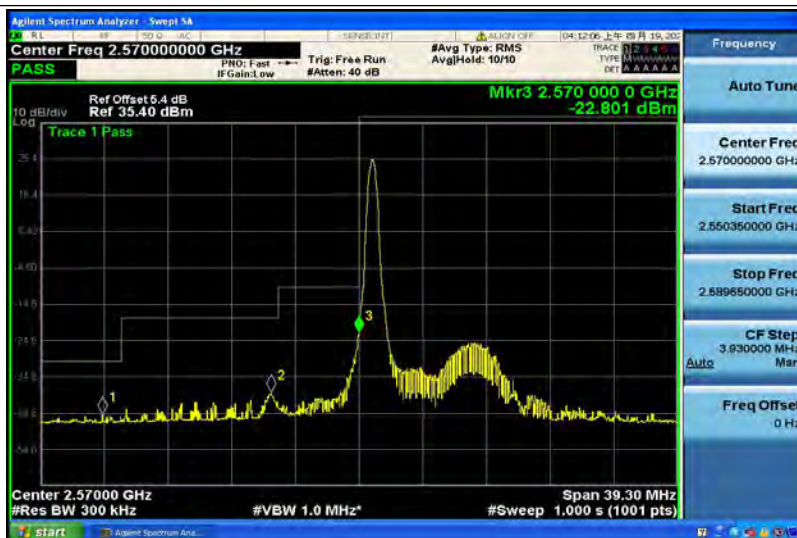


Band38-15MHz-16QAM-37825-1RB#0



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.ssgsgroup.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



Band38-15MHz-16QAM-37825-75RB#0



Band38-15MHz-16QAM-38175-1RB#74





Band38-15MHz-16QAM-38175-75RB#0



Band38-20MHz-QPSK-37850-1RB#0



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.ssgsgroup.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



Band38-20MHz-QPSK-37850-100RB#0



Band38-20MHz-QPSK-38150-1RB#99





Band38-20MHz-QPSK-38150-100RB#0



Band38-20MHz-64QAM-37850-1RB#0





Band38-20MHz-64QAM-37850-100RB#0



Band38-20MHz-64QAM-38150-1RB#99





Band38-20MHz-64QAM-38150-100RB#0



Band38-20MHz-16QAM-37850-1RB#0





Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38150-1RB#99





Band38-20MHz-16QAM-38150-100RB#0





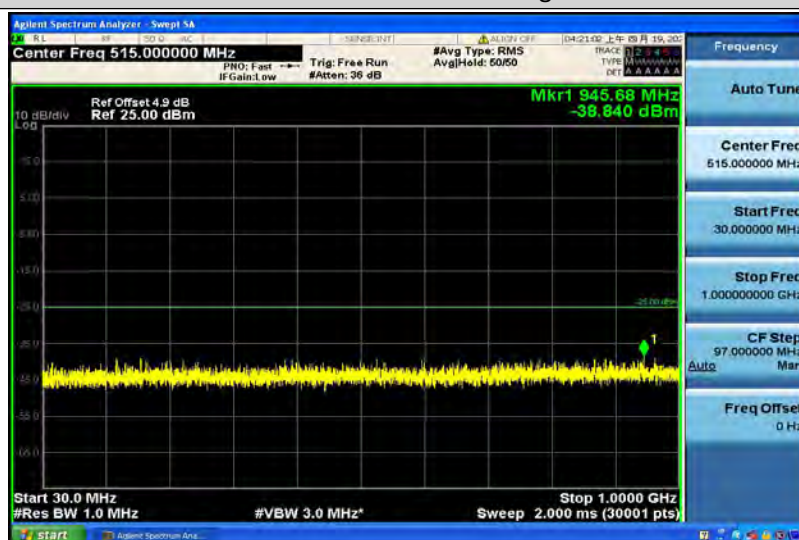
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

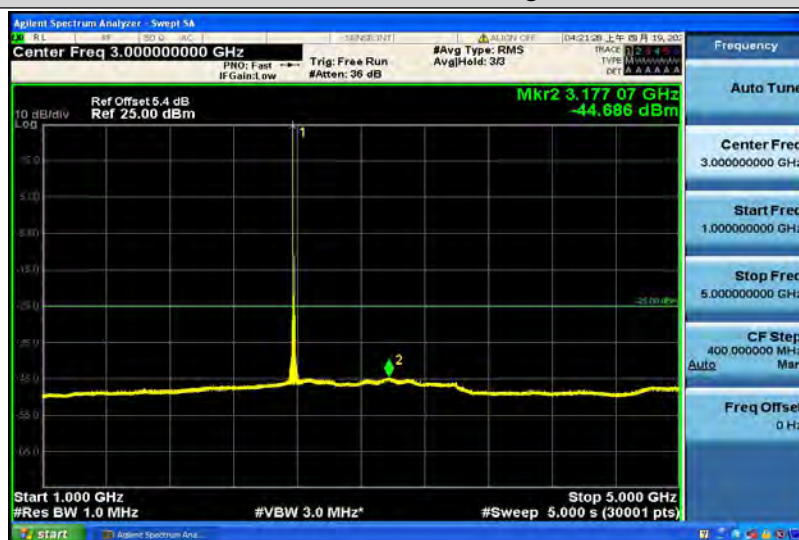
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band38-20MHz-QPSK-37850-1RB#0-Range1:30~1000MHz



Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~5000MHz



Band38-20MHz-QPSK-37850-1RB#0-Range3:5000~12000MHz



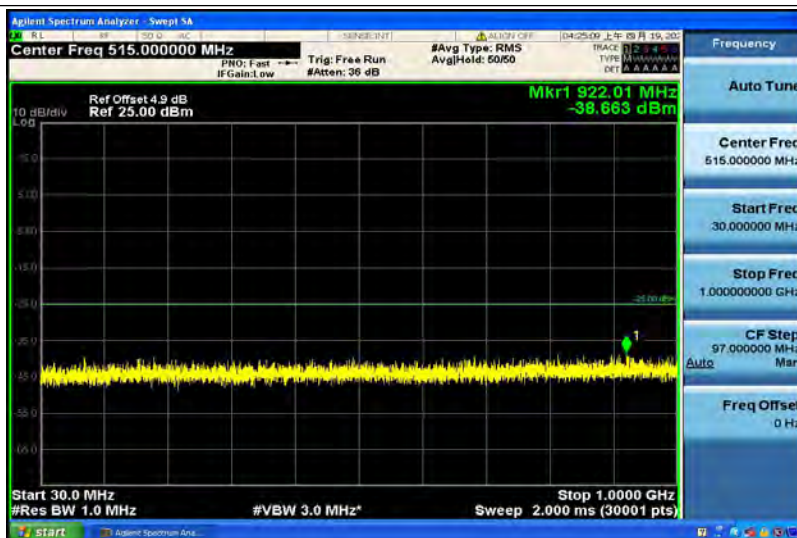


Band38-20MHz-QPSK-37850-1RB#0-Range4:12000~26500MHz



Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz





Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~5000MHz



Band38-20MHz-QPSK-38000-1RB#0-Range3:5000~12000MHz





Band38-20MHz-QPSK-38000-1RB#0-Range4:12000~26500MHz



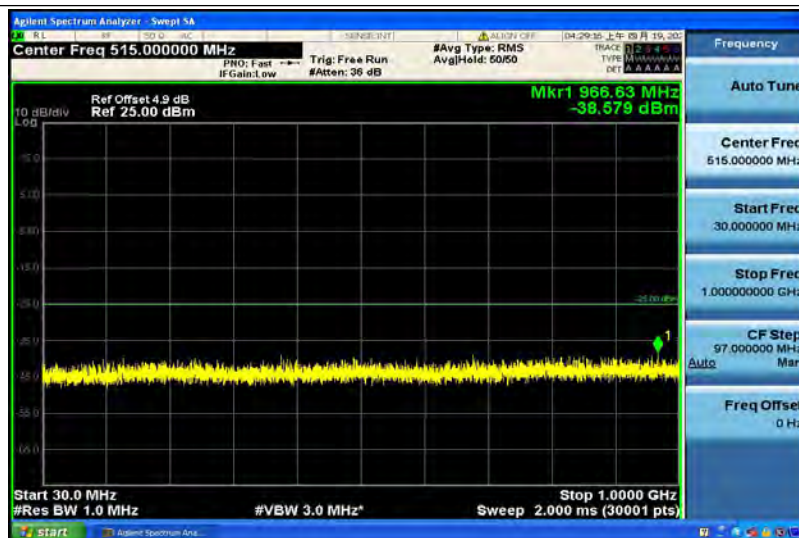
Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz



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 / 深圳分公司 / 实验室

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



Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~5000MHz



Band38-20MHz-QPSK-38150-1RB#0-Range3:5000~12000MHz



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

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



Band38-20MHz-QPSK-38150-1RB#0-Range4:12000~26500MHz



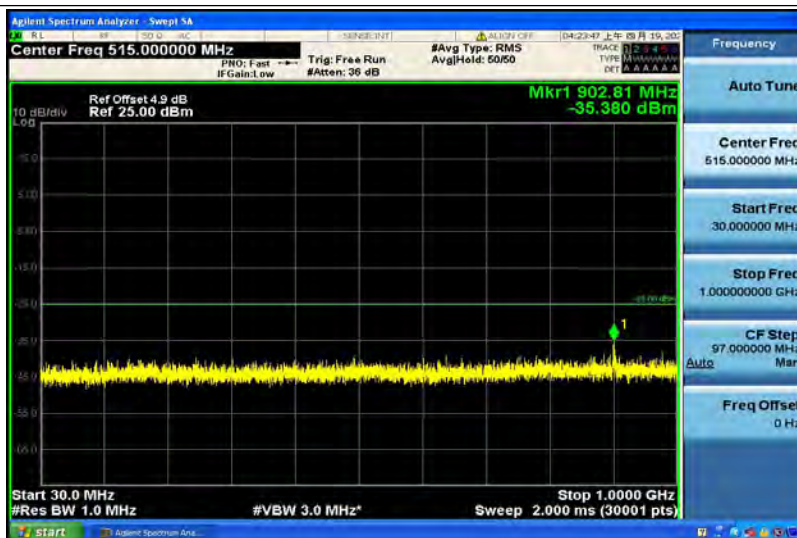
Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz



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, Inspection & Testing Services, 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



Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~5000MHz



Band38-20MHz-64QAM-37850-1RB#0-Range3:5000~12000MHz



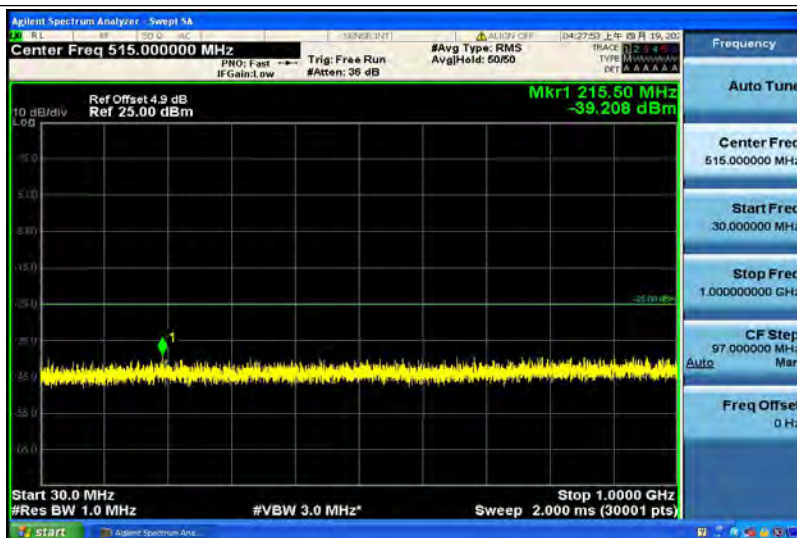


Band38-20MHz-64QAM-37850-1RB#0-Range4:12000~26500MHz



Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz





Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~5000MHz



Band38-20MHz-64QAM-38000-1RB#0-Range3:5000~12000MHz



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

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

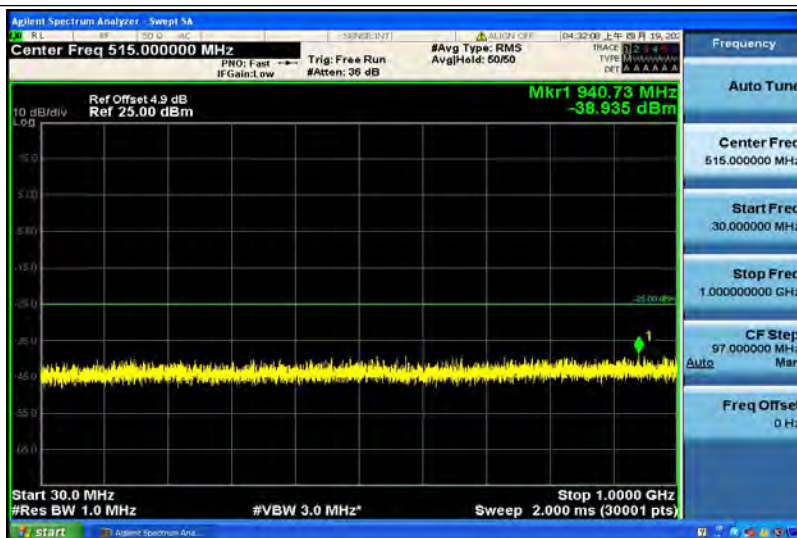


Band38-20MHz-64QAM-38000-1RB#0-Range4:12000~26500MHz

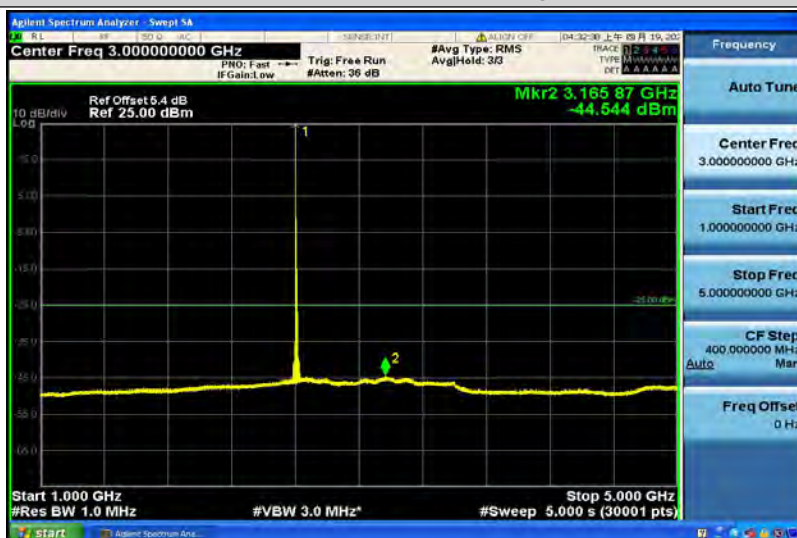


Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz





Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~5000MHz



Band38-20MHz-64QAM-38150-1RB#0-Range3:5000~12000MHz





Band38-20MHz-64QAM-38150-1RB#0-Range4:12000~26500MHz



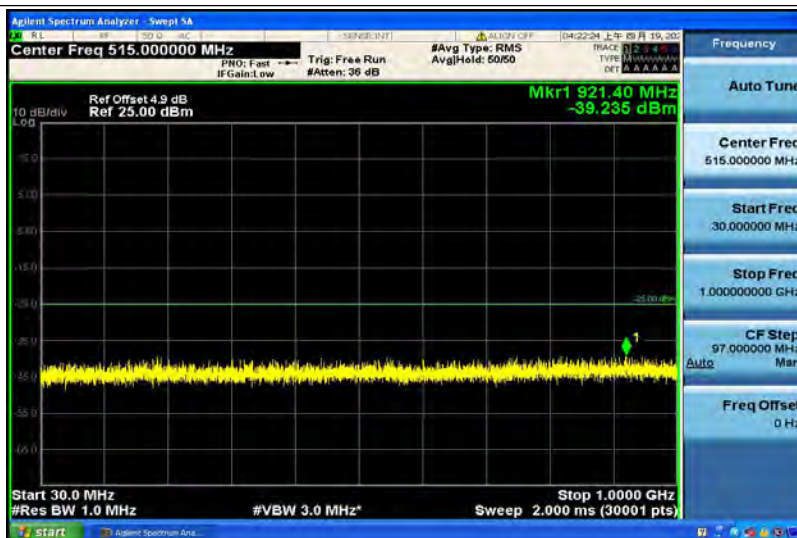
Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



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.ssgsgroup.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



Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~5000MHz



Band38-20MHz-16QAM-37850-1RB#0-Range3:5000~12000MHz





Band38-20MHz-16QAM-37850-1RB#0-Range4:12000~26500MHz

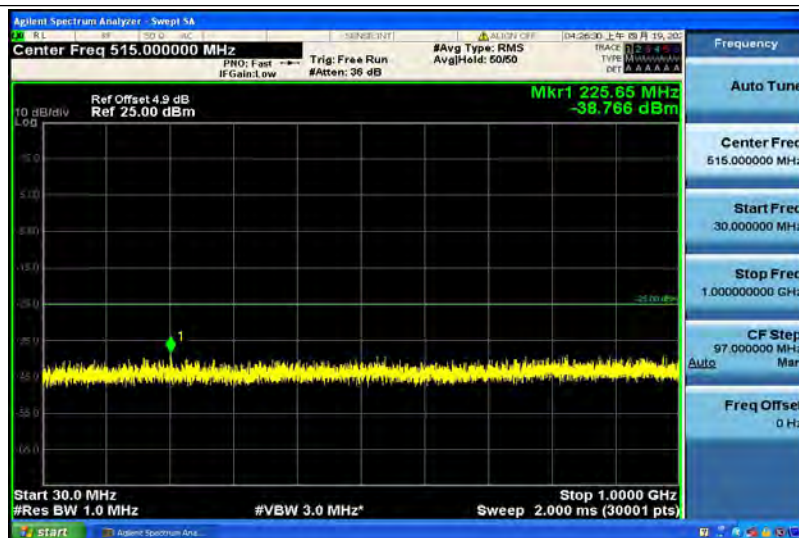


Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



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.ssgsgroup.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



Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~5000MHz



Band38-20MHz-16QAM-38000-1RB#0-Range3:5000~12000MHz





Band38-20MHz-16QAM-38000-1RB#0-Range4:12000~26500MHz



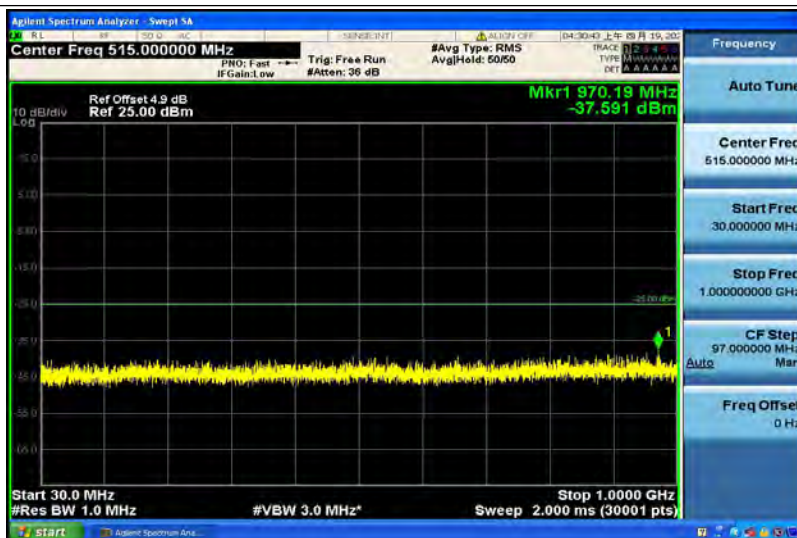
Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



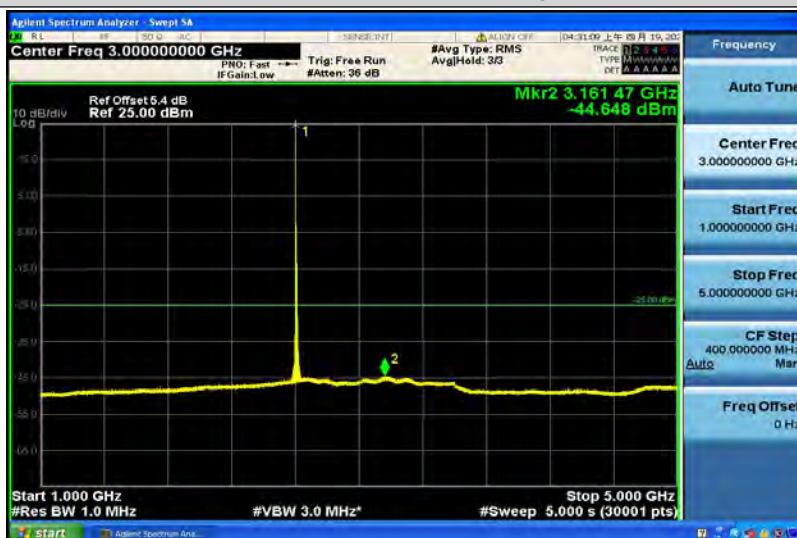
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~5000MHz



Band38-20MHz-16QAM-38150-1RB#0-Range3:5000~12000MHz





Band38-20MHz-16QAM-38150-1RB#0-Range4:12000~26500MHz



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

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



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 (Down Ant)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.8860	-71.88	-25.00	46.88	Vertical
111.4841	-63.63	-25.00	38.63	Vertical
635.9893	-62.45	-25.00	37.45	Vertical
1746.1492	-42.42	-25.00	17.42	Vertical
7463.6488	-55.42	-25.00	30.42	Vertical
17999.5000	-39.71	-25.00	14.71	Vertical
43.8232	-63.84	-25.00	38.84	Horizontal
227.7444	-67.41	-25.00	42.41	Horizontal
646.8538	-63.22	-25.00	38.22	Horizontal
2239.4479	-40.15	-25.00	15.15	Horizontal
7451.6484	-55.77	-25.00	30.77	Horizontal
16400.9467	-43.73	-25.00	18.73	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
60.9445	-70.78	-25.00	45.78	Vertical
107.1189	-64.46	-25.00	39.46	Vertical
740.4150	-62.08	-25.00	37.08	Vertical
2045.4091	-42.71	-25.00	17.71	Vertical
7968.6656	-55.42	-25.00	30.42	Vertical
17992.4998	-40.01	-25.00	15.01	Vertical
42.2711	-63.97	-25.00	38.97	Horizontal
232.0126	-67.74	-25.00	42.74	Horizontal
612.9506	-63.66	-25.00	38.66	Horizontal
2054.2108	-42.33	-25.00	17.33	Horizontal
7485.1495	-56.35	-25.00	31.35	Horizontal
16375.9459	-43.42	-25.00	18.42	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
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



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.9459	-70.85	-25.00	45.85	Vertical
112.1146	-64.30	-25.00	39.30	Vertical
383.0977	-67.04	-25.00	42.04	Vertical
1714.1428	-43.98	-25.00	18.98	Vertical
7999.6667	-55.44	-25.00	30.44	Vertical
17992.9998	-39.75	-25.00	14.75	Vertical
40.9130	-64.09	-25.00	39.09	Horizontal
239.4335	-67.66	-25.00	42.66	Horizontal
609.7980	-62.96	-25.00	37.96	Horizontal
1797.3595	-43.21	-25.00	18.21	Horizontal
8580.6860	-55.89	-25.00	30.89	Horizontal
16377.4459	-43.79	-25.00	18.79	Horizontal

7.2. Test Mode =LTE/TM1 (Up Ant)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.3040	-71.17	-25.00	46.17	Vertical
113.9577	-64.85	-25.00	39.85	Vertical
677.2649	-62.27	-25.00	37.27	Vertical
1747.3495	-43.97	-25.00	18.97	Vertical
7336.1445	-55.82	-25.00	30.82	Vertical
17999.5000	-40.48	-25.00	15.48	Vertical
46.4908	-63.74	-25.00	38.74	Horizontal
237.4449	-67.77	-25.00	42.77	Horizontal
667.9524	-63.70	-25.00	38.70	Horizontal
1794.9590	-43.43	-25.00	18.43	Horizontal
8002.1667	-56.30	-25.00	31.30	Horizontal
16393.4464	-44.03	-25.00	19.03	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 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



7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
56.9188	-70.05	-25.00	45.05	Vertical
109.3500	-65.07	-25.00	40.07	Vertical
454.7842	-66.60	-25.00	41.60	Vertical
1764.5529	-42.19	-25.00	17.19	Vertical
7453.6485	-55.84	-25.00	30.84	Vertical
17994.4998	-40.58	-25.00	15.58	Vertical
42.3681	-63.61	-25.00	38.61	Horizontal
234.7287	-67.67	-25.00	42.67	Horizontal
758.2154	-61.51	-25.00	36.51	Horizontal
1811.3623	-43.41	-25.00	18.41	Horizontal
7452.1484	-55.97	-25.00	30.97	Horizontal
16395.4465	-43.65	-25.00	18.65	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.8147	-69.83	-25.00	44.83	Vertical
111.8721	-63.83	-25.00	38.83	Vertical
453.1837	-66.50	-25.00	41.50	Vertical
1725.3451	-44.15	-25.00	19.15	Vertical
7462.1487	-55.89	-25.00	30.89	Vertical
17996.9999	-40.46	-25.00	15.46	Vertical
40.5735	-63.54	-25.00	38.54	Horizontal
239.8700	-67.96	-25.00	42.96	Horizontal
657.2819	-61.89	-25.00	36.89	Horizontal
1748.9498	-41.30	-25.00	16.30	Horizontal
7476.6492	-56.30	-25.00	31.30	Horizontal
16383.9461	-44.04	-25.00	19.04	Horizontal

Remark:

- 1 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.
- 2 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.





8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-11.20	-0.004341	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-6.40	-0.002481	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-5.50	-0.002132	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-13.00	-0.005010	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-9.20	-0.003545	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-14.00	-0.005395	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-7.50	-0.002874	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-6.20	-0.002375	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-0.60	-0.000230	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	1.40	0.000543	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-10.40	-0.004031	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-4.30	-0.001667	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-17.30	-0.006667	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-7.30	-0.002813	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-9.70	-0.003738	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-18.60	-0.007126	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-3.50	-0.001341	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-15.20	-0.005824	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-1.30	-0.000504	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	0.40	0.000155	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-9.00	-0.003468	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-4.80	-0.001850	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-3.60	-0.001379	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-4.20	-0.001609	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-2.80	-0.001073	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	0.90	0.000349	±2.5	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.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



Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-10.70	-0.004147	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-1.50	-0.000581	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-8.80	-0.003411	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	1.70	0.000659	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-8.40	-0.003256	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-10.90	-0.004200	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-6.60	-0.002543	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-5.40	-0.002081	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-12.10	-0.004663	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-18.60	-0.007168	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-6.00	-0.002312	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-20.00	-0.007707	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-3.40	-0.001310	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-8.60	-0.003295	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-10.20	-0.003908	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-9.70	-0.003716	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-12.60	-0.004828	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-9.40	-0.003602	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-12.10	-0.004636	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-8.90	-0.003410	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-5.30	-0.002031	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-0.40	-0.000155	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-3.20	-0.001240	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-13.70	-0.005310	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-8.30	-0.003217	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-5.80	-0.002248	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-4.00	-0.001550	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-4.00	-0.001550	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-14.70	-0.005698	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-11.20	-0.004316	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-11.10	-0.004277	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-12.20	-0.004701	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-13.80	-0.005318	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-9.70	-0.003738	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-2.70	-0.001040	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	-11.70	-0.004509	±2.5	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.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



Band38	20MHz	64QAM	38000	100RB#0	NV	50	-10.10	-0.003892	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-12.10	-0.004636	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-2.70	-0.001034	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-8.50	-0.003257	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-16.60	-0.006360	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-16.40	-0.006284	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-1.30	-0.000498	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-5.00	-0.001916	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-6.10	-0.002337	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-1.20	-0.000465	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	3.20	0.001240	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-6.60	-0.002558	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-10.10	-0.003915	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-12.40	-0.004806	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-7.80	-0.003023	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-6.20	-0.002403	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-4.00	-0.001550	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-18.50	-0.007129	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-4.60	-0.001773	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-13.10	-0.005048	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-7.50	-0.002890	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-11.70	-0.004509	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-7.60	-0.002929	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-4.80	-0.001850	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-9.10	-0.003507	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-3.90	-0.001494	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-8.50	-0.003257	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-15.10	-0.005785	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-17.90	-0.006858	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-8.70	-0.003333	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-12.30	-0.004713	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-6.20	-0.002375	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-3.80	-0.001456	±2.5	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.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