



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



CONTENT

1.	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	4
1.1.	TEST RESULT	4
2.	PEAK-TO-AVERAGE RATIO(CCDF).....	18
2.1.	TEST RESULT	18
2.2.	TEST PLOTS.....	18
3.	MODULATION CHARACTERISTICS	23
3.1.	TEST BAND = LTE BAND 38	23
3.2.	TEST MODE = LTE /TM1 20MHZ.....	23
3.2.1.	TEST CHANNEL = MCH.....	23
3.3.	TEST MODE = LTE /TM2 20MHZ.....	24
3.3.1.	TEST CHANNEL = MCH.....	24
3.4.	TEST MODE = LTE /TM3 20MHZ.....	25
3.4.1.	TEST CHANNEL = MCH.....	25
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	26
4.1.	TEST RESULT	26
4.2.	TEST PLOTS.....	27
5.	BAND EDGE COMPLIANCE	44
5.1.	TEST PLOTS.....	44
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	68
6.1.	TEST PLOTS.....	68
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	76
7.1.	MAIN ANTENNA	76
7.1.1.	TEST BAND = LTE BAND 38	76
7.1.1.1.	TEST MODE =LTE/TM1 20MHZ.....	76
7.1.1.1.1.	TEST CHANNEL = LCH	76
7.1.1.1.1.1.	HORIZONTAL	77
7.1.1.1.1.2.	VERTICAL	78
7.1.1.1.2.	TEST CHANNEL = MCH.....	79



7.1.1.1.2.1.	HORIZONTAL	79
7.1.1.1.2.2.	VERTICAL	80
7.1.1.1.3.	TEST CHANNEL = HCH	81
7.1.1.1.3.1.	HORIZONTAL	81
7.1.1.1.3.2.	VERTICAL	82
7.2.	SECONDARY ANTENNA	83
7.2.1.	TEST BAND = LTE BAND 38	83
7.2.1.1.	TEST MODE =LTE/TM1 20MHZ.....	83
7.2.1.1.1.	TEST CHANNEL = LCH	83
7.2.1.1.1.1.	HORIZONTAL	83
7.2.1.1.1.2.	VERTICAL	84
7.2.1.1.2.	TEST CHANNEL = MCH.....	85
7.2.1.1.2.1.	HORIZONTAL	85
7.2.1.1.2.2.	VERTICAL	86
7.2.1.1.3.	TEST CHANNEL = HCH	87
7.2.1.1.3.1.	HORIZONTAL	87
7.2.1.1.3.2.	VERTICAL	88
8.	FREQUENCY STABILITY	89
8.1.	FREQUENCY VS VOLTAGE	89
8.2.	FREQUENCY VS TEMPERATURE	89





1. Effective (Isotropic) Radiated Power

1.1. Test Result

Main Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.61	22.51	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.40	22.30	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.52	22.42	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.67	21.57	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.59	21.49	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.59	21.49	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.67	21.57	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.52	22.42	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.61	22.51	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.57	22.47	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.52	21.42	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.56	21.46	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.72	21.62	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.61	21.51	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.63	22.53	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.60	22.50	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.60	22.50	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.60	21.50	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.56	21.46	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.54	21.44	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.62	21.52	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.50	20.40	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.39	20.29	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.41	20.31	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.59	19.49	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.56	19.46	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.65	19.55	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.70	19.60	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.40	20.30	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.45	20.35	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.46	20.36	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 Laboratory

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

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band38	5MHz	64QAM	38000	12RB#0	19.60	19.50	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.58	19.48	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.58	19.48	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.67	19.57	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.45	20.35	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.31	20.21	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.50	20.40	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.62	19.52	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.51	19.41	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.52	19.42	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.64	19.54	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.30	21.20	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.15	21.05	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.17	21.07	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.73	20.63	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.65	20.55	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.74	20.64	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.66	20.56	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.18	21.08	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.31	21.21	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.22	21.12	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.71	20.61	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.68	20.58	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.68	20.58	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.65	20.55	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.28	21.18	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.30	21.20	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.25	21.15	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.68	20.58	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.62	20.52	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.62	20.52	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.61	20.51	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.66	22.56	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.34	22.24	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.67	22.57	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.66	21.56	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.56	21.46	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.59	21.49	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	37800	50RB#0	21.69	21.59	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.62	22.52	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.42	22.32	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.58	22.48	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.66	21.56	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.56	21.46	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.54	21.44	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.50	21.40	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.77	22.67	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.48	22.38	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.63	22.53	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.68	21.58	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.53	21.43	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.57	21.47	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.76	21.66	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.61	20.51	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.30	20.20	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.55	20.45	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.74	19.64	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.57	19.47	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.56	19.46	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.68	19.58	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.48	20.38	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.33	20.23	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.47	20.37	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.76	19.66	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.65	19.55	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.50	19.40	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.51	19.41	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.69	20.59	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.18	20.08	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.51	20.41	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.51	19.41	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.53	19.43	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.67	19.57	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.71	19.61	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.39	21.29	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.98	20.88	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
 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	16QAM	37800	1RB#49	21.31	21.21	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.68	20.58	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.66	20.56	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.70	20.6	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.67	20.57	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.25	21.15	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.00	20.90	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.22	21.12	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.72	20.62	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.65	20.55	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.60	20.5	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.64	20.54	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.46	21.36	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.93	20.83	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.25	21.15	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.48	20.38	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.61	20.51	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.56	20.46	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.68	20.58	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.67	22.57	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.62	22.52	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.71	22.61	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.65	21.55	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.55	21.45	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.63	21.53	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.71	21.61	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.63	22.53	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.57	22.47	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.57	22.47	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.74	21.64	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.60	21.50	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.47	21.37	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.55	21.45	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.70	22.60	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.56	22.46	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.69	22.59	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.71	21.61	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.58	21.48	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	38175	36RB#39	21.65	21.55	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.66	21.56	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.69	20.59	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.70	20.60	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.71	20.61	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.75	19.65	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	19.54	19.44	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.59	19.49	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.68	19.58	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.64	20.54	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.70	20.60	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.60	20.50	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.72	19.62	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.67	19.57	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.61	19.51	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.76	19.66	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.74	20.64	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.58	20.48	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.68	20.58	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.77	19.67	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.63	19.53	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.64	19.54	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.64	19.54	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.61	21.51	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.66	21.56	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.69	21.59	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.72	20.62	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.53	20.43	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.58	20.48	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.70	20.60	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.59	21.49	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.66	21.56	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.57	21.47	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.74	20.64	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.64	20.54	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.62	20.52	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.77	20.67	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.70	21.60	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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	38175	1RB#38	21.54	21.44	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.63	21.53	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.78	20.68	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.62	20.52	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.70	20.60	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.69	20.59	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.66	22.56	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.38	22.28	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.87	22.77	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.65	21.55	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.55	21.45	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.79	21.69	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.63	21.53	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.72	22.62	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.54	22.44	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.80	22.70	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.78	21.68	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.59	21.49	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.59	21.49	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.81	21.71	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.76	22.66	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.34	22.24	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.89	22.79	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.65	21.55	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.58	21.48	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.50	21.40	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.73	21.63	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.71	20.61	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.41	20.31	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.84	20.74	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.75	19.65	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.52	19.42	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.74	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.58	19.48	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.70	20.60	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.55	20.45	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.79	20.69	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.78	19.68	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	64QAM	38000	50RB#25	19.68	19.58	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.55	19.45	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.75	19.65	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.73	20.63	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.59	20.49	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.84	20.74	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.71	19.61	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.64	19.54	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.71	19.61	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.68	19.58	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.65	21.55	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.40	21.30	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.82	21.72	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.75	20.65	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.51	20.41	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.73	20.63	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.60	20.50	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.67	21.57	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.52	21.42	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.77	21.67	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.77	20.67	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.72	20.62	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.79	20.69	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.79	20.69	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.69	21.59	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.57	21.47	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.80	21.70	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.78	20.68	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.63	20.53	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.70	20.60	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.73	20.63	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.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



Secondary Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.76	21.46	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.67	21.37	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.61	21.31	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.80	20.50	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.75	20.45	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.77	20.47	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.82	20.52	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.68	21.38	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.65	21.35	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.61	21.31	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.70	20.40	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.65	20.35	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.54	20.24	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.68	20.38	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.75	21.45	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.63	21.33	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.59	21.29	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.78	20.48	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.74	20.44	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.60	20.30	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.69	20.39	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.95	19.65	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.78	19.48	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.71	19.41	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.74	18.44	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.73	18.43	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.90	18.6	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.73	18.43	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.71	19.41	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.79	19.49	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.74	19.44	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.66	18.36	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.72	18.42	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.65	18.35	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.67	18.37	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.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	38225	1RB#0	20.83	19.53	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.75	19.45	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.75	19.45	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.77	18.47	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.73	18.43	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.65	18.35	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.68	18.38	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.19	20.89	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.02	20.72	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.94	20.64	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.70	19.40	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.64	19.34	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.81	19.51	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.66	19.36	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.92	20.62	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.02	20.72	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.99	20.69	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.62	19.32	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.62	19.32	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.57	19.27	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.62	19.32	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.08	20.78	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.99	20.69	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.95	20.65	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.73	19.43	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.63	19.33	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.59	19.29	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.64	19.34	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.86	21.56	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.69	21.39	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.63	21.33	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.93	20.63	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.76	20.46	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.78	20.48	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.74	20.44	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.67	21.37	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.62	21.32	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.63	21.33	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	10MHz	QPSK	38000	25RB#0	21.79	20.49	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.73	20.43	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.55	20.25	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.69	20.39	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.75	21.45	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.59	21.29	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.64	21.34	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.82	20.52	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.76	20.46	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.57	20.27	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.79	20.49	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.96	19.66	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.73	19.43	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.67	19.37	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.96	18.66	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.78	18.48	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.86	18.56	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.63	18.33	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.77	19.47	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.52	19.22	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.75	19.45	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.69	18.39	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.72	18.42	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.62	18.32	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.63	18.33	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.02	19.72	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.58	19.28	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.77	19.47	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.83	18.53	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.74	18.44	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.55	18.25	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.72	18.42	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.16	20.86	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.97	20.67	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.91	20.61	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.91	19.61	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.70	19.40	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.76	19.46	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	10MHz	16QAM	37800	50RB#0	20.57	19.27	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.98	20.68	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.76	20.46	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.99	20.69	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.59	19.29	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.63	19.33	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.54	19.24	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.59	19.29	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.24	20.94	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.81	20.51	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.99	20.69	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.75	19.45	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.70	19.40	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.50	19.20	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.68	19.38	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.85	21.55	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.74	21.44	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.74	21.44	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.84	20.54	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.75	20.45	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.69	20.39	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.89	20.59	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.72	21.42	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.82	21.52	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.71	21.41	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.73	20.43	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.68	20.38	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.60	20.30	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.68	20.38	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.77	21.47	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.65	21.35	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.72	21.42	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.90	20.60	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.75	20.45	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.60	20.30	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.77	20.47	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.88	19.58	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.77	19.47	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	37825	1RB#74	20.71	19.41	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.88	18.58	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	19.77	18.47	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.72	18.42	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.89	18.59	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.78	19.48	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.97	19.67	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.76	19.46	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.74	18.44	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.74	18.44	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.67	18.37	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.72	18.42	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.86	19.56	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.88	19.58	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.84	19.54	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.93	18.63	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.87	18.57	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.00	18.70	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.88	18.58	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.13	20.83	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.01	20.71	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.96	20.66	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.81	19.51	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.68	19.38	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.68	19.38	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.85	19.55	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.98	20.68	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.19	20.89	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.99	20.69	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.65	19.35	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.67	19.37	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.58	19.28	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.62	19.32	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.09	20.79	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.12	20.82	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.08	20.78	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.88	19.58	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.77	19.47	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band38	15MHz	16QAM	38175	36RB#39	20.91	19.61	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.78	19.48	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.79	21.49	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.59	21.29	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.85	21.55	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.88	20.58	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.71	20.41	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.75	20.45	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.75	20.45	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.72	21.42	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.47	21.17	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.83	21.53	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.77	20.47	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.68	20.38	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.60	20.30	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.76	20.46	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.70	21.40	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.69	21.39	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.87	21.57	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.84	20.54	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.85	20.55	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.70	20.40	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.93	20.63	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.96	19.66	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.86	19.56	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.94	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.86	18.56	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.84	18.54	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.78	18.48	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.68	18.38	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.83	19.53	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.76	19.46	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.94	19.64	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.68	18.38	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.61	18.31	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.56	18.26	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.69	18.39	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.90	19.60	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	64QAM	38150	1RB#49	20.74	19.44	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.01	19.71	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.83	18.53	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.81	18.51	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.64	18.34	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.87	18.57	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.16	20.86	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.62	20.32	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.14	20.84	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.79	19.49	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.79	19.49	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.68	19.38	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.63	19.33	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.08	20.78	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.67	20.37	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.20	20.90	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.64	19.34	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.57	19.27	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.52	19.22	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.65	19.35	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.12	20.82	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.68	20.38	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.24	20.94	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.74	19.44	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.75	19.45	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.60	19.30	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.77	19.47	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 [dBd]

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



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

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

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

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

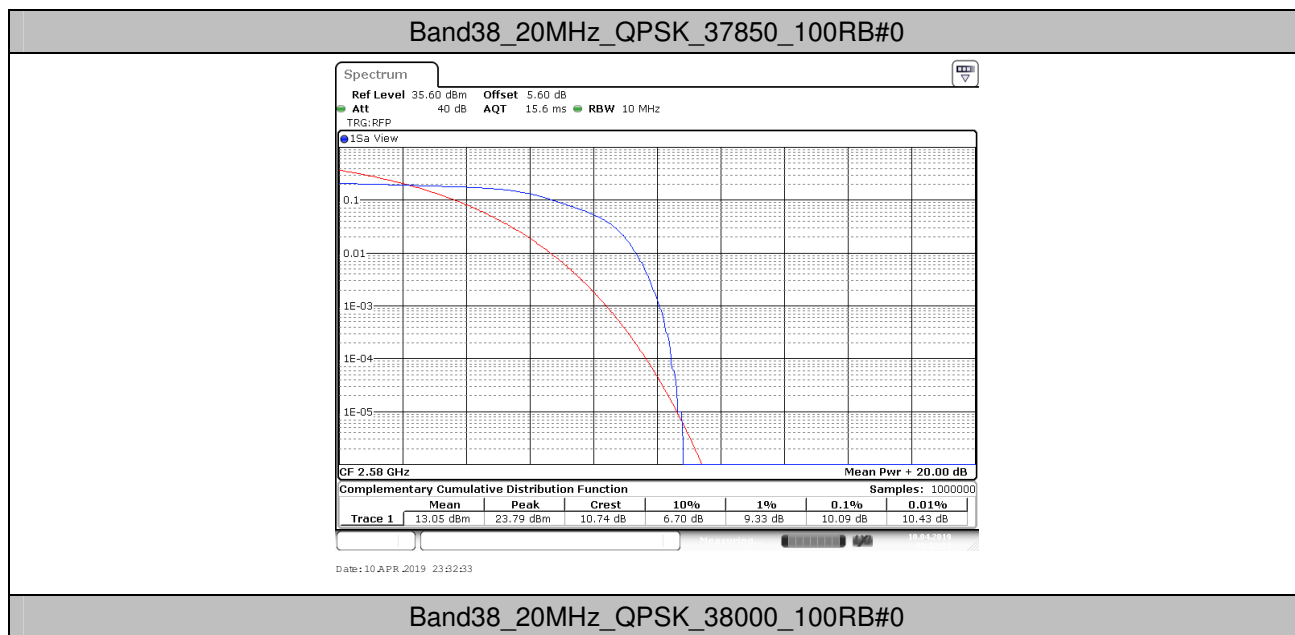
t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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	10.09	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.88	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	7.88	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.75	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.65	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.45	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.16	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.62	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.62	13	PASS

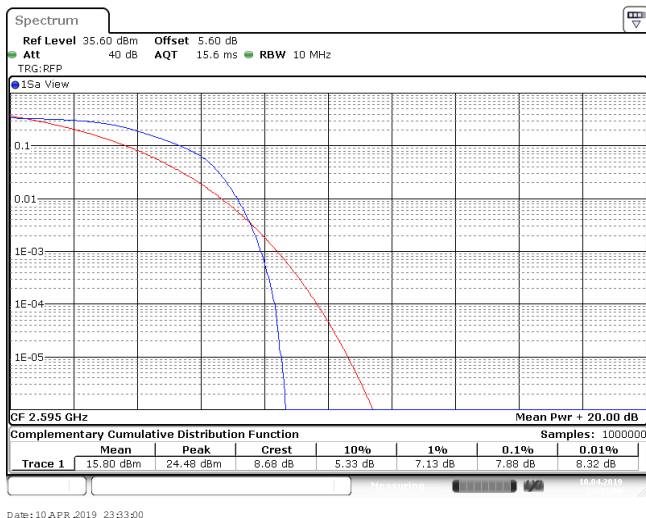
2.2. Test Plots



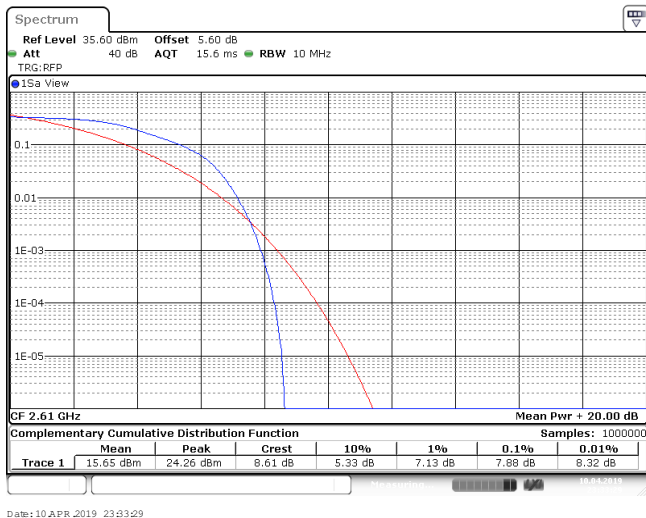
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

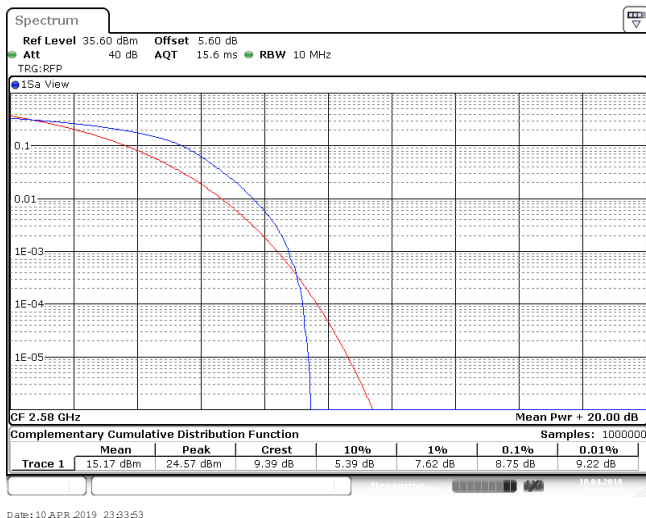


Band38_20MHz_64QAM_37850_100RB#0

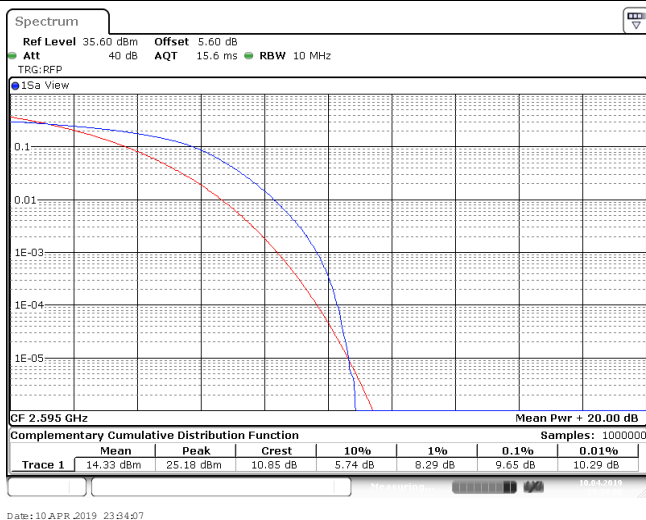


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

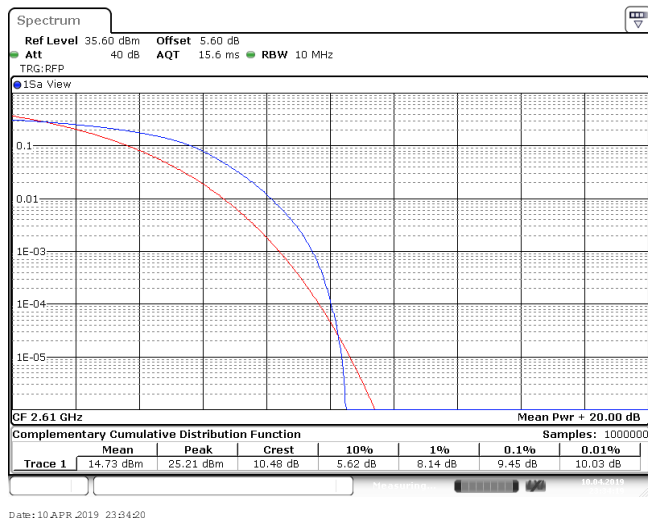


Band38_20MHz_64QAM_38000_100RB#0

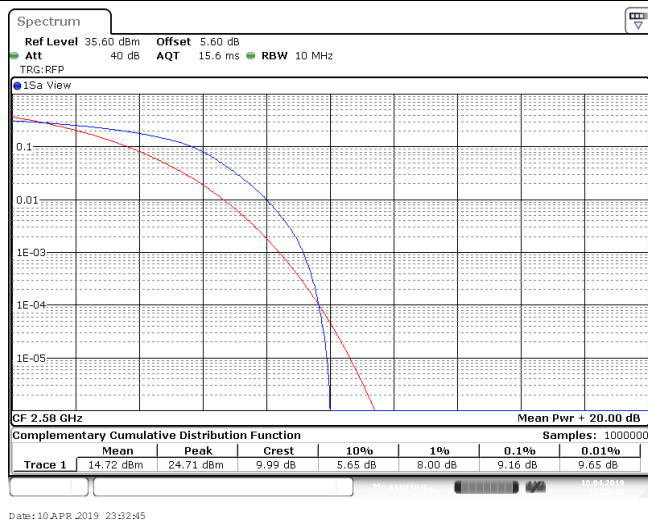


Band38_20MHz_64QAM_38150_100RB#0





Band38_20MHz_16QAM_37850_100RB#0

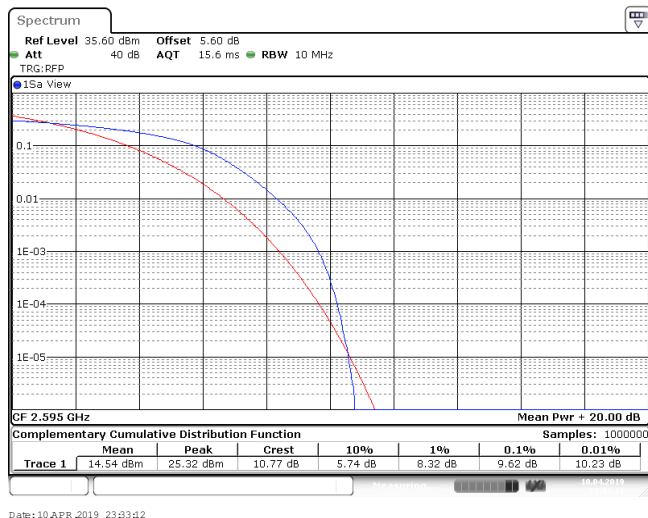


Band38_20MHz_16QAM_38000_100RB#0

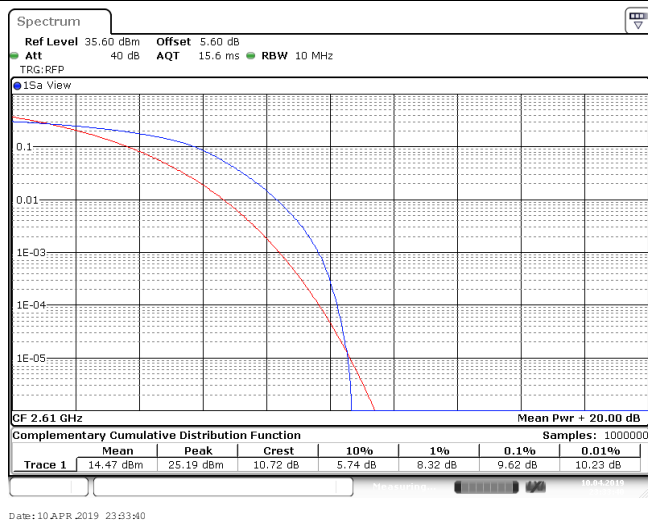


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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.

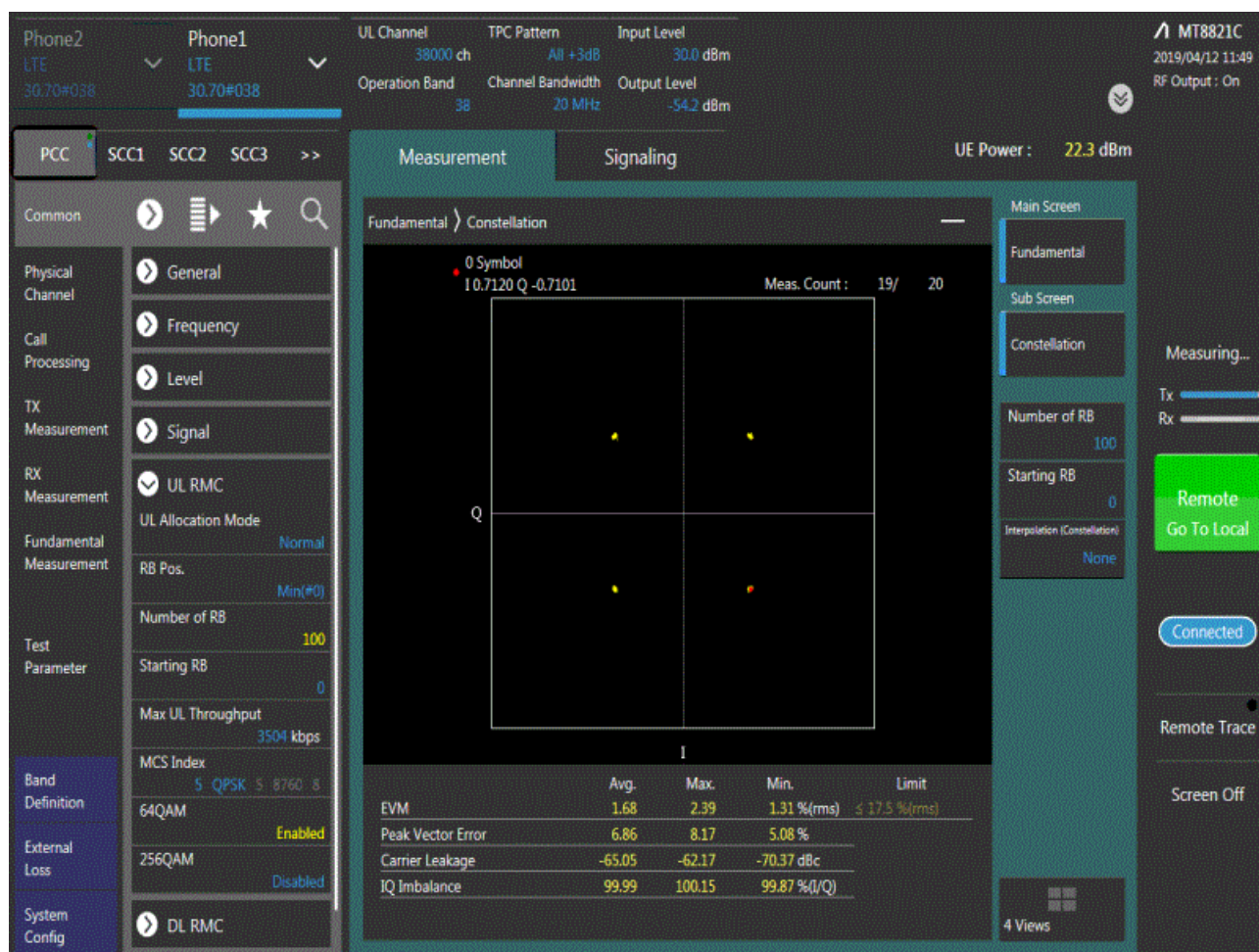
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3. Modulation Characteristics

3.1. Test BAND = LTE Band 38

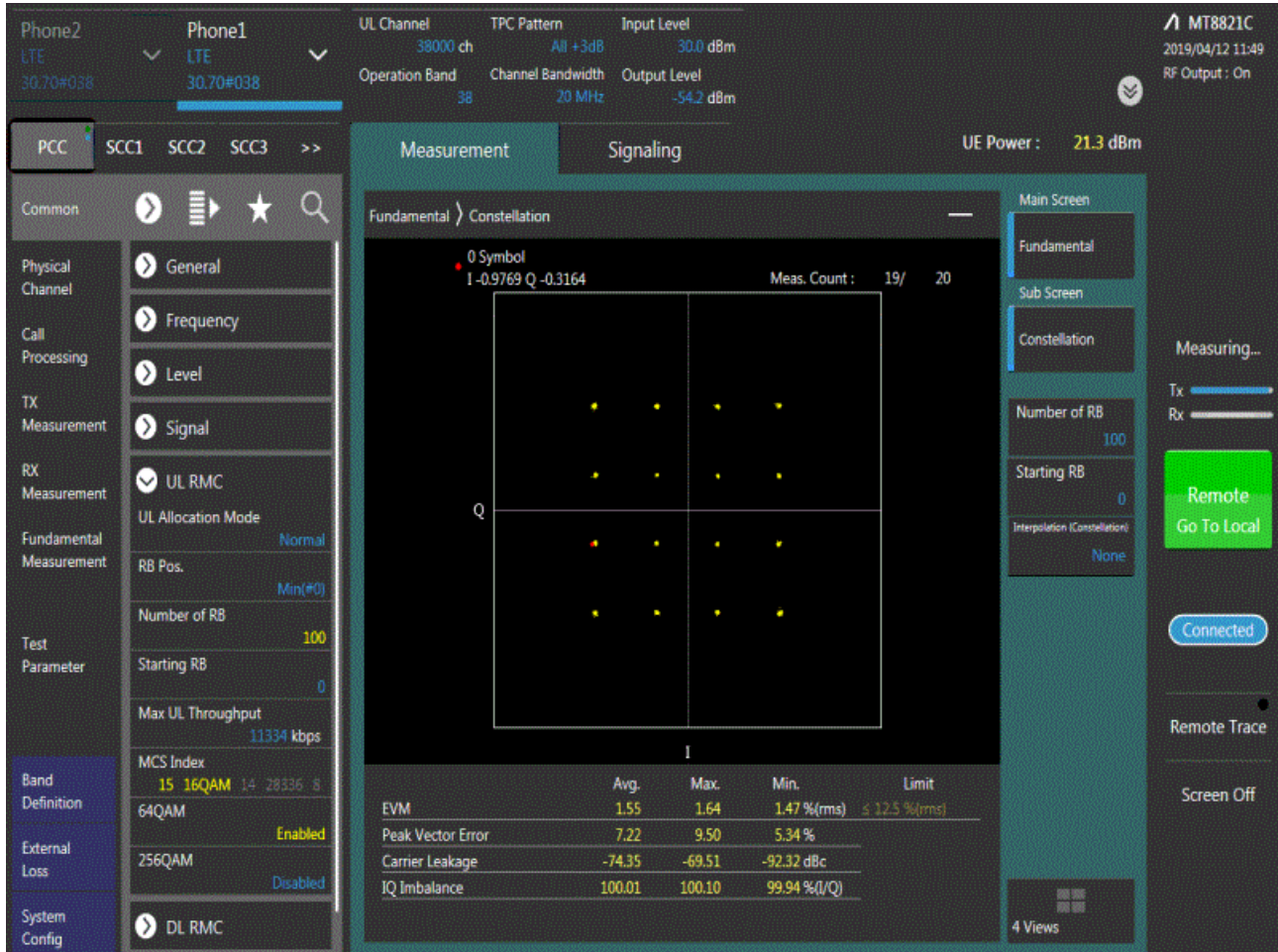
3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH



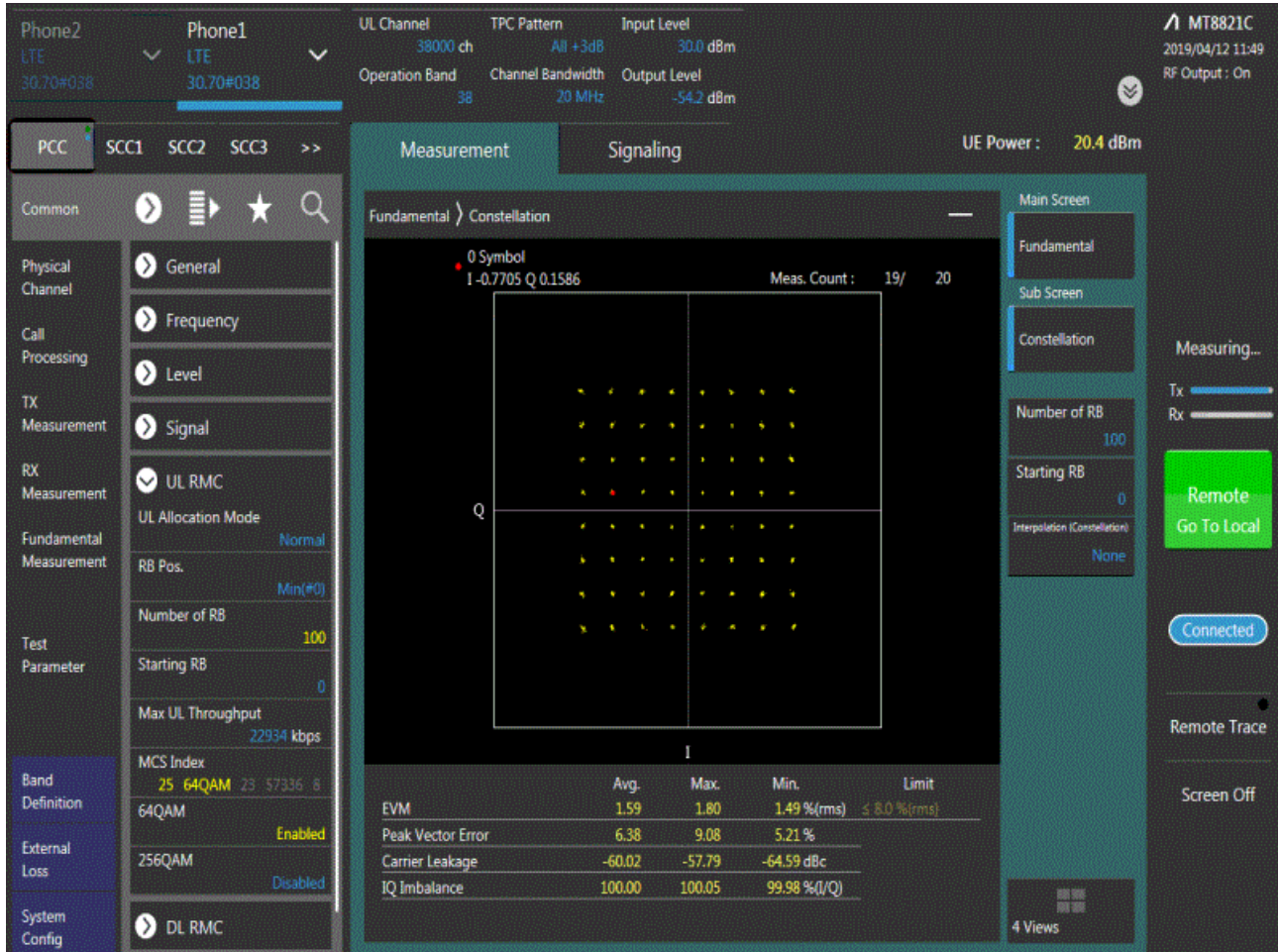
3.3. Test Mode = LTE /TM2 20MHz

3.3.1. Test Channel = MCH



3.4. Test Mode = LTE /TM3 20MHz

3.4.1. 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	4.466	4.910	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.486	4.990	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.486	4.920	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.476	4.910	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.970	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.910	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.466	4.920	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.476	4.960	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.476	4.910	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.931	9.760	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.971	9.840	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.931	9.700	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.951	9.660	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.931	9.840	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.951	9.780	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.931	9.680	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	9.840	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.951	9.760	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.457	15.060	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.000	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.516	15.180	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.516	15.000	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.457	14.940	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.487	15.000	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.487	14.970	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.457	14.940	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.457	14.940	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.942	19.640	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.982	19.640	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.942	19.600	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.942	19.800	PASS

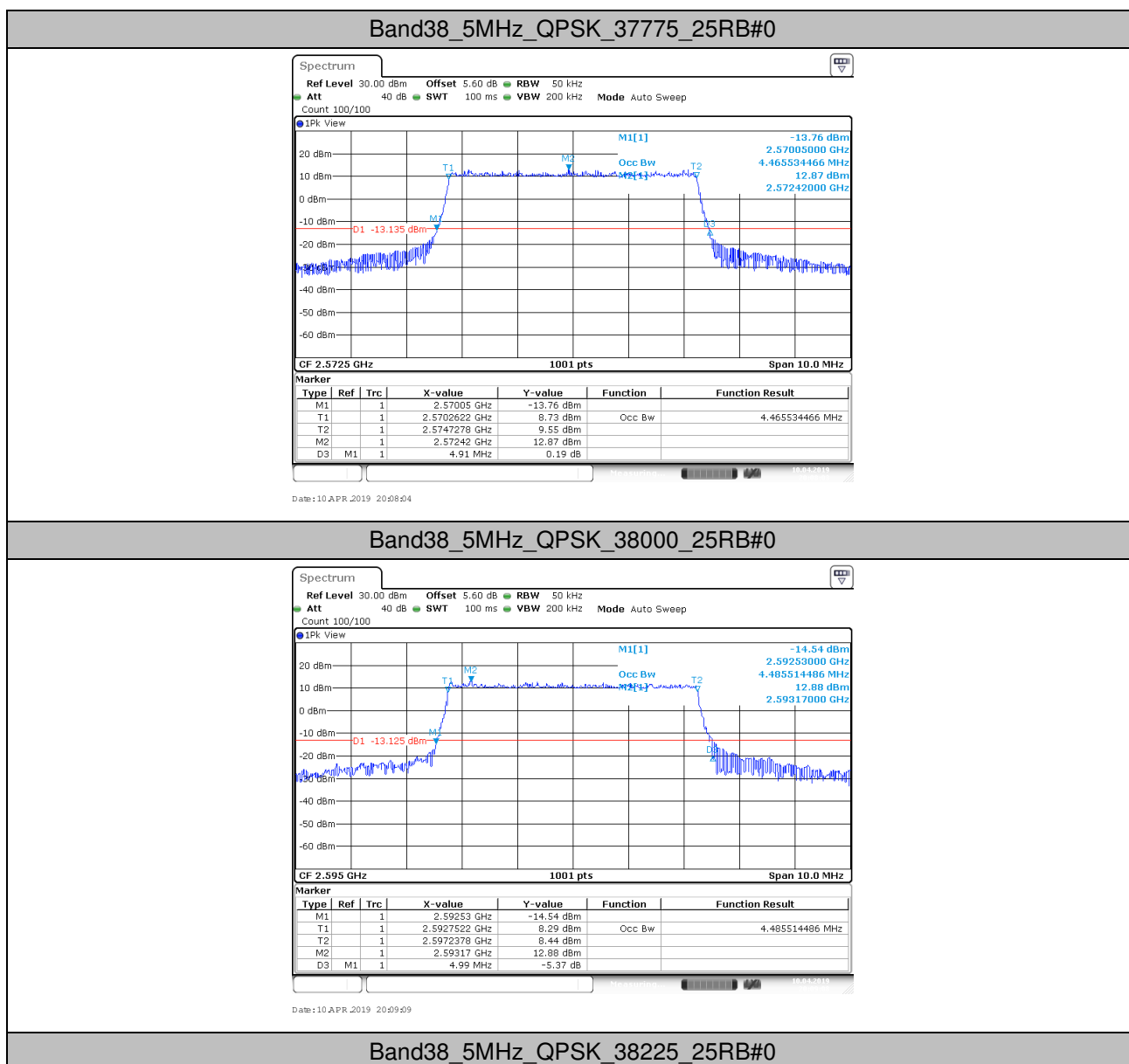


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

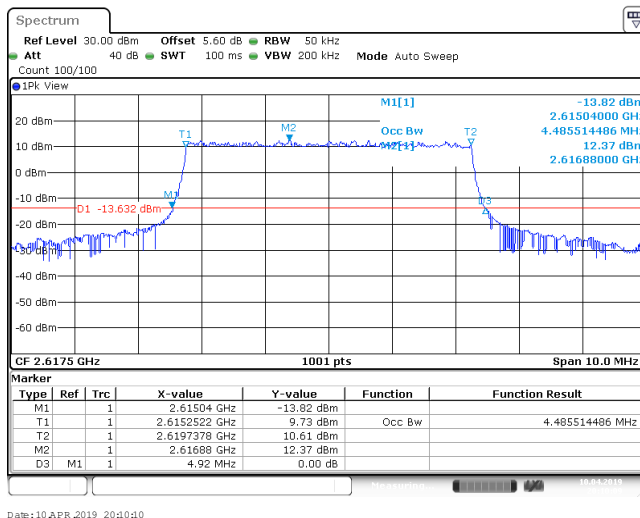
Band38	20MHz	64QAM	38000	100RB#0	17.942	19.600	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.942	19.760	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.942	19.760	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.942	19.640	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.942	19.840	PASS

4.2. Test Plots

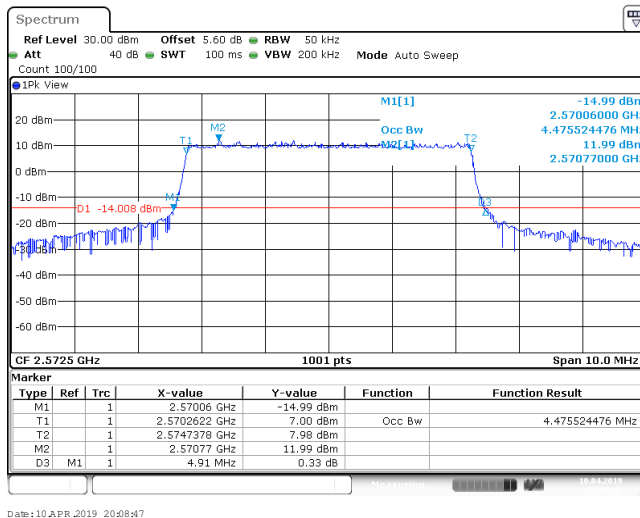


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

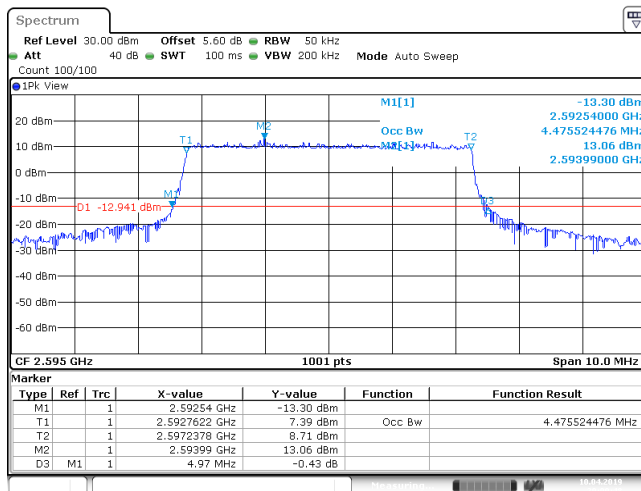


Band38_5MHz_64QAM_38000_25RB#0



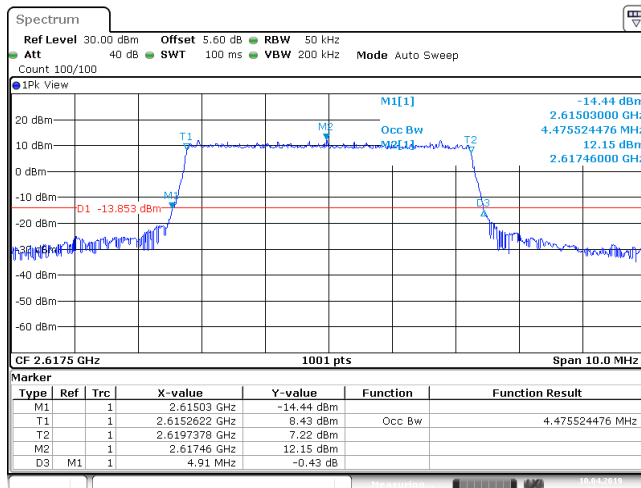
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 20:09:48

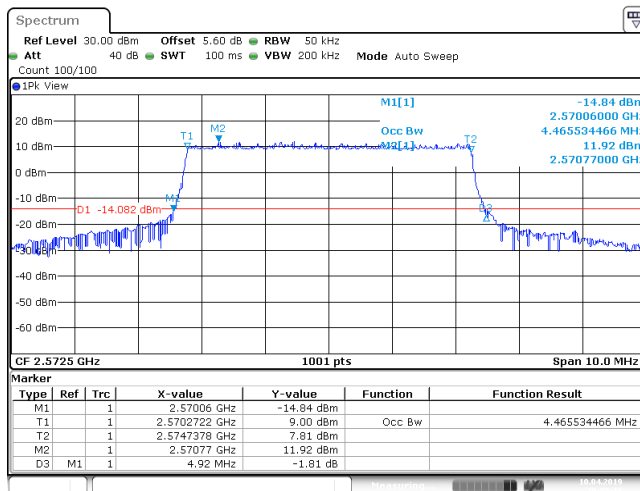
Band38_5MHz_64QAM_38225_25RB#0



Date: 10 APR 2019 20:10:49

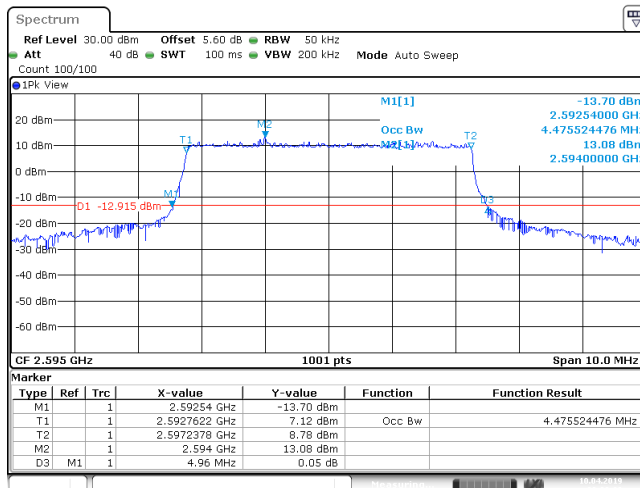
Band38_5MHz_16QAM_37775_25RB#0





Date: 10 APR 2019 20:08:28

Band38_5MHz_16QAM_38000_25RB#0



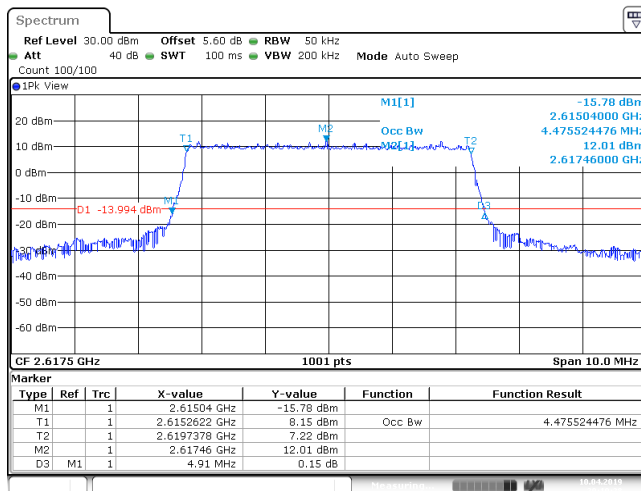
Date: 10 APR 2019 20:09:28

Band38_5MHz_16QAM_38225_25RB#0



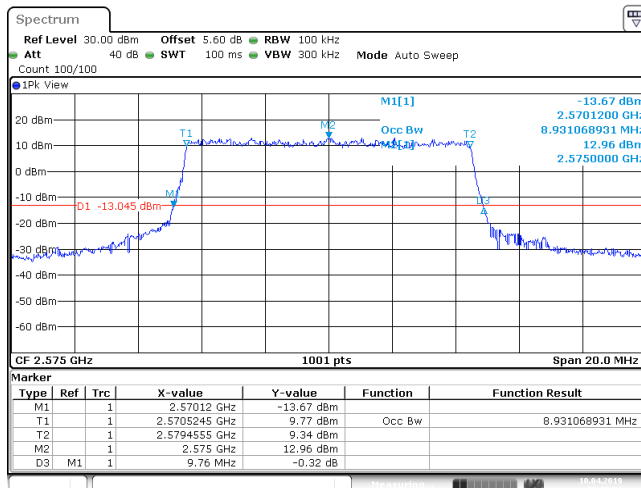
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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 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



Date: 10 APR 2019 20:10:29

Band38_10MHz_QPSK_37800_50RB#0



Date: 10 APR 2019 20:12:51

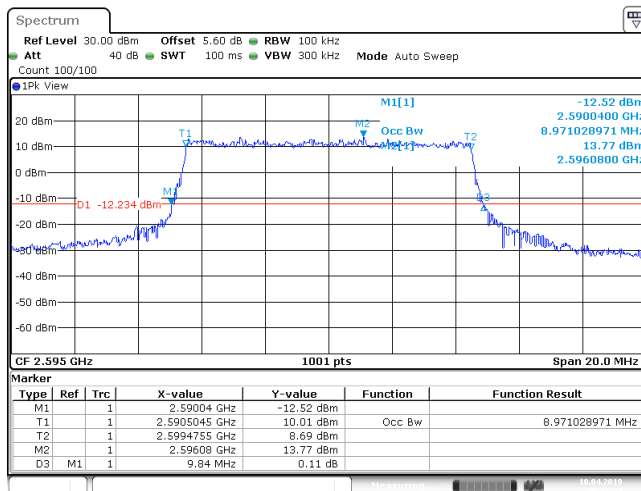
Band38_10MHz_QPSK_38000_50RB#0



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

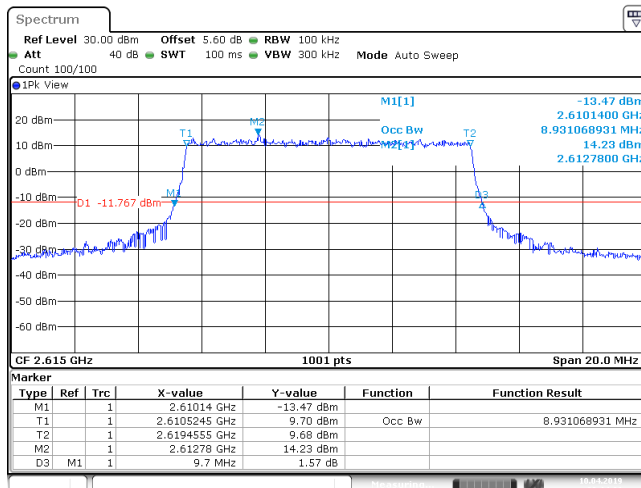
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 20:13:32

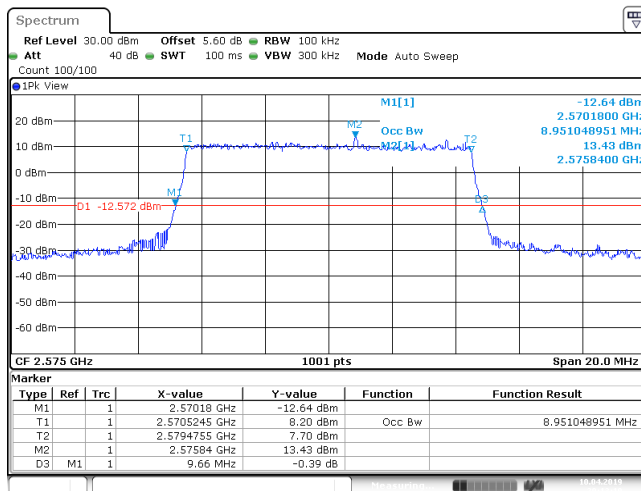
Band38_10MHz_QPSK_38200_50RB#0



Date: 10 APR 2019 20:14:33

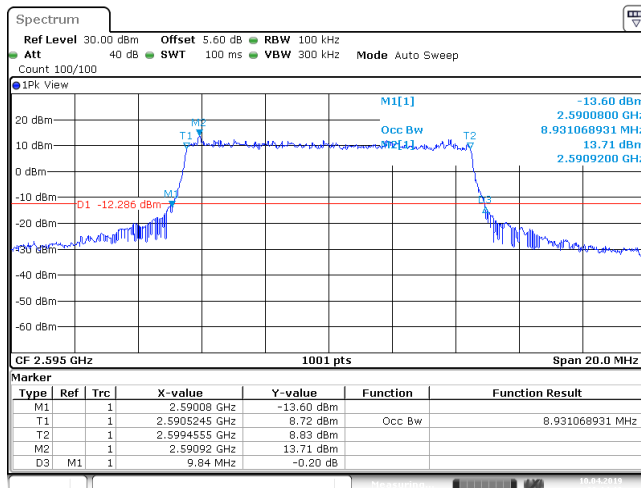
Band38_10MHz_64QAM_37800_50RB#0





Date: 10 APR 2019 20:13:10

Band38_10MHz_64QAM_38000_50RB#0



Date: 10 APR 2019 20:14:11

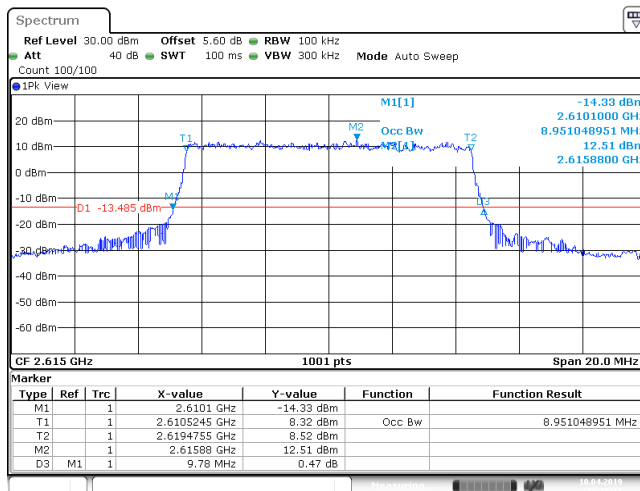
Band38_10MHz_64QAM_38200_50RB#0



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

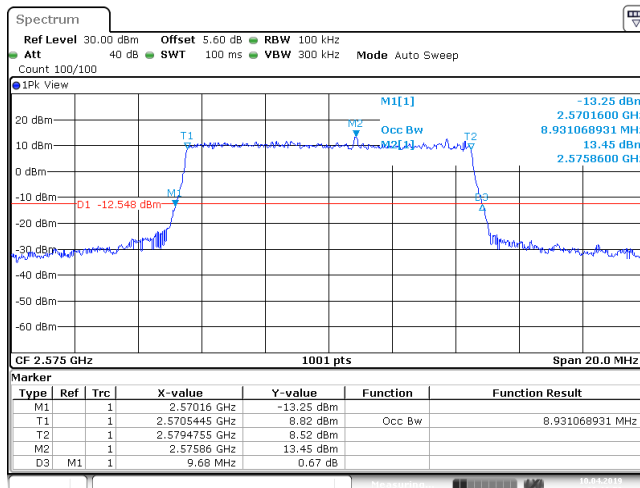
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 20:15:12

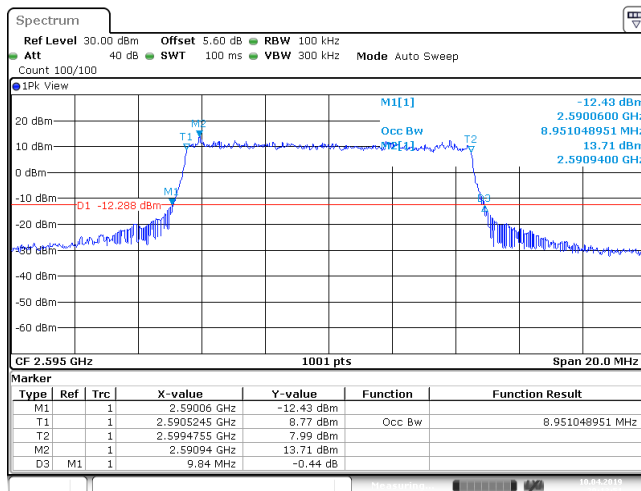
Band38_10MHz_16QAM_37800_50RB#0



Date: 10 APR 2019 20:12:51

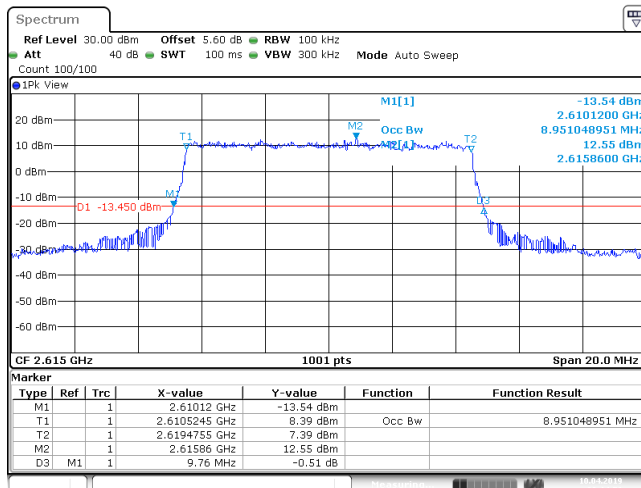
Band38_10MHz_16QAM_38000_50RB#0





Date: 10 APR 2019 20:13:52

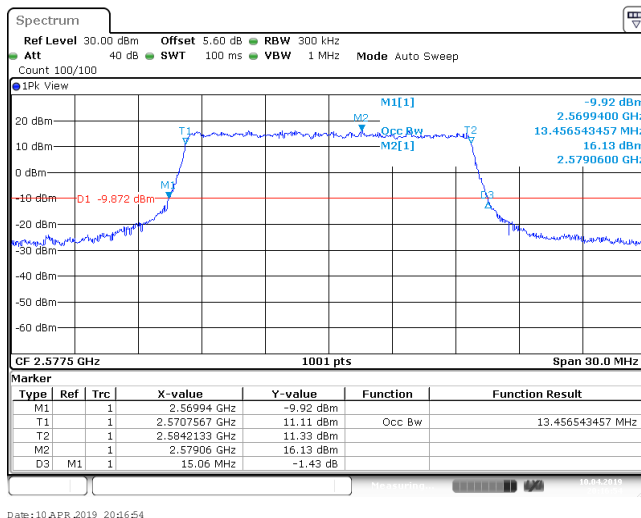
Band38_10MHz_16QAM_38200_50RB#0



Date: 10 APR 2019 20:14:52

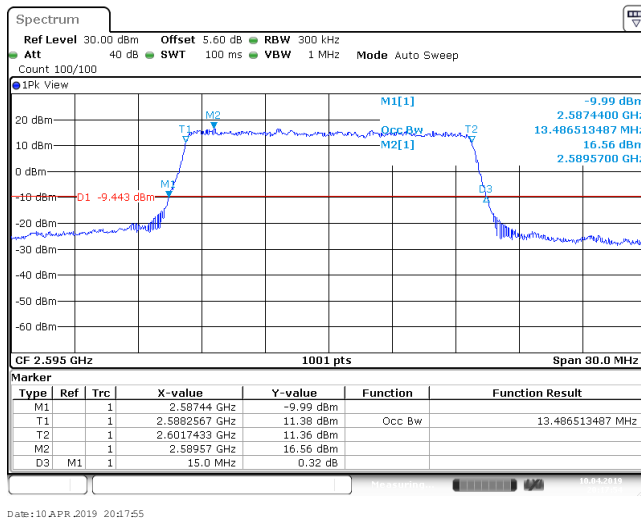
Band38_15MHz_QPSK_37825_75RB#0





Date: 10 APR 2019 20:16:54

Band38_15MHz_QPSK_38000_75RB#0



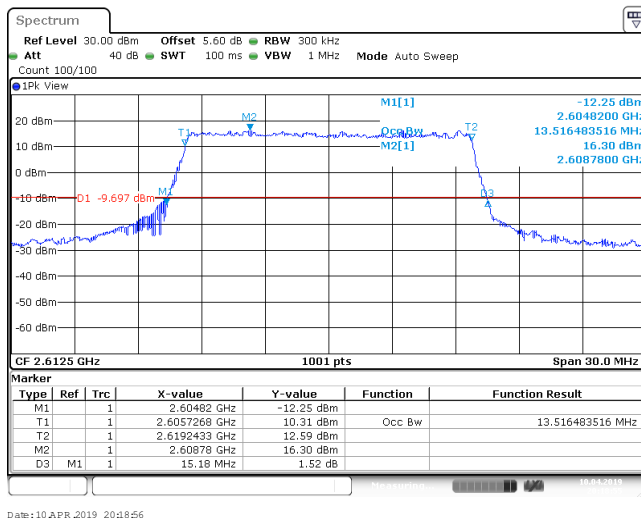
Date: 10 APR 2019 20:17:55

Band38_15MHz_QPSK_38175_75RB#0



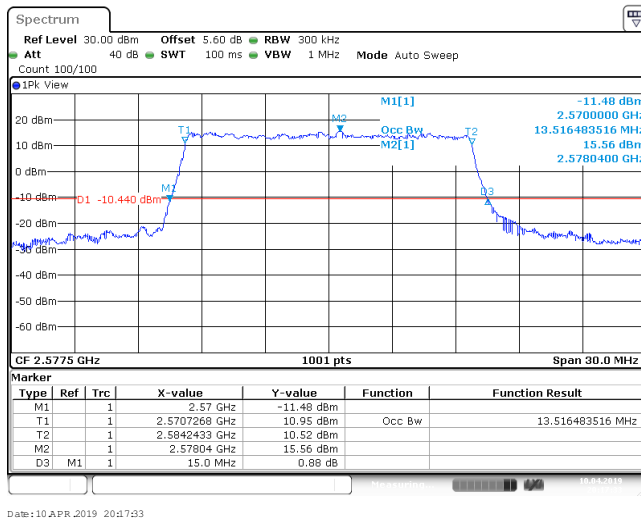
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 20:18:56

Band38_15MHz_64QAM_37825_75RB#0



Date: 10 APR 2019 20:17:33

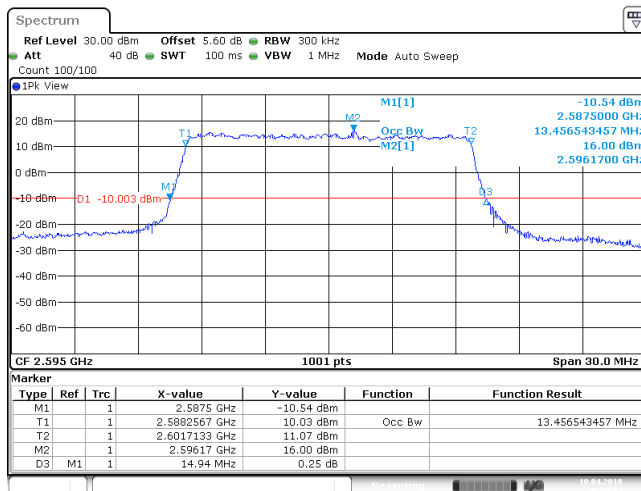
Band38_15MHz_64QAM_38000_75RB#0



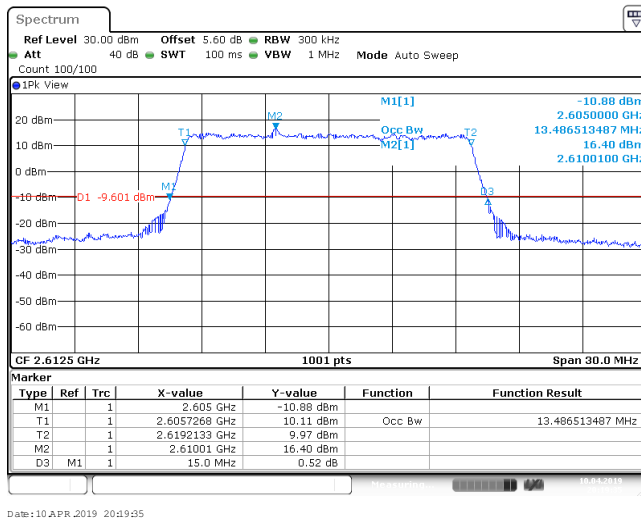
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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 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

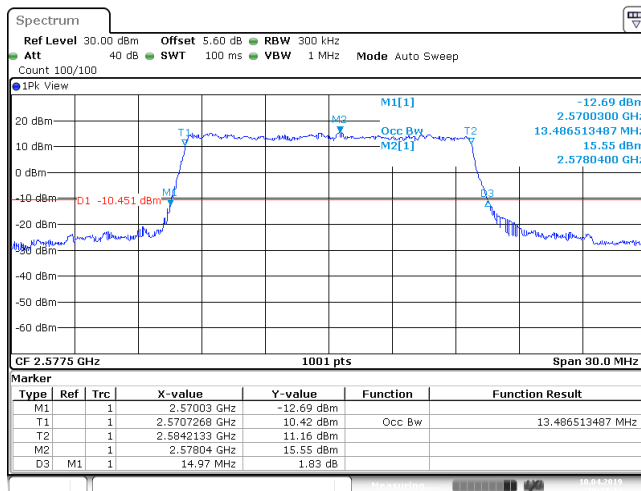


Band38_15MHz_64QAM_38175_75RB#0



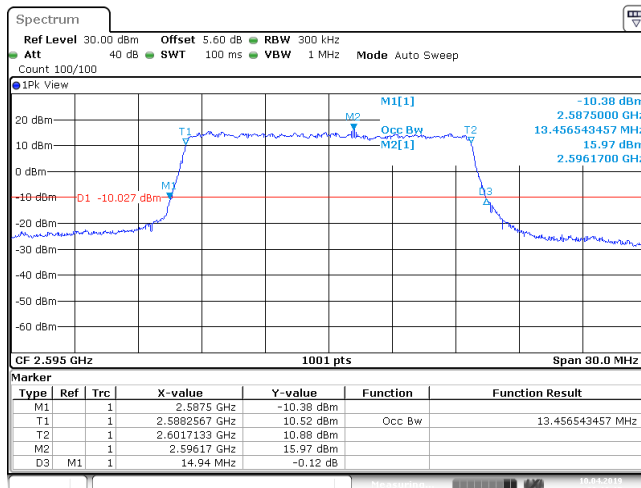
Band38_15MHz_16QAM_37825_75RB#0





Date: 10 APR 2019 20:17:14

Band38_15MHz_16QAM_38000_75RB#0



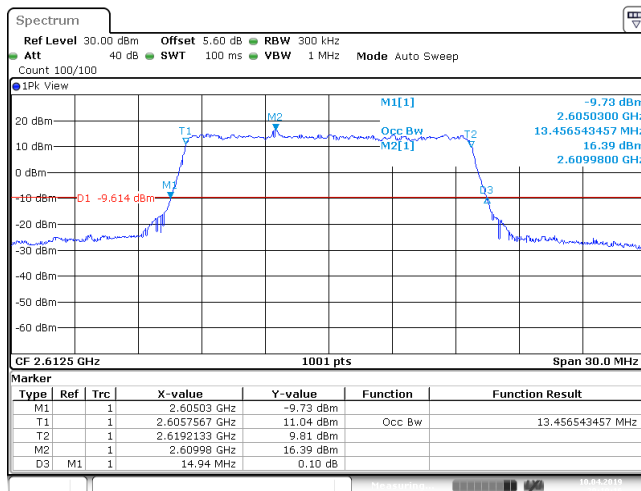
Date: 10 APR 2019 20:18:15

Band38_15MHz_16QAM_38175_75RB#0



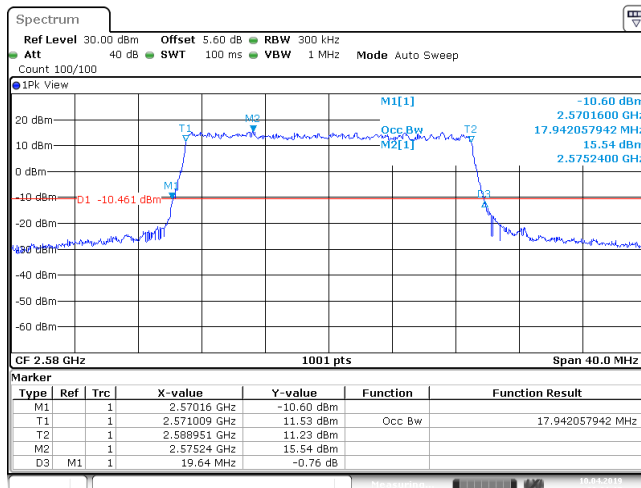
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 20:19:15

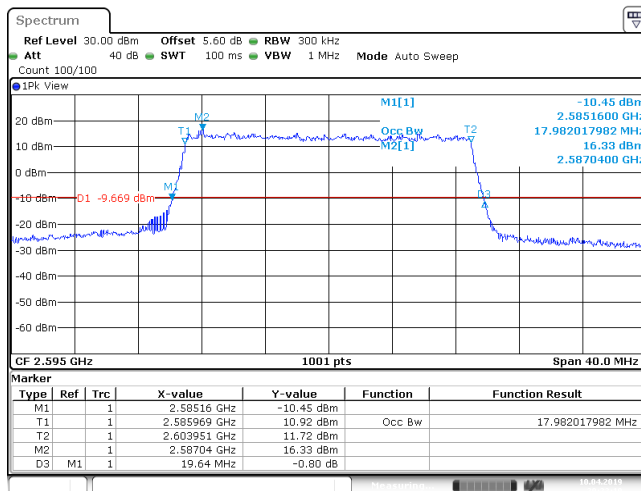
Band38_20MHz_QPSK_37850_100RB#0



Date: 10 APR 2019 20:21:18

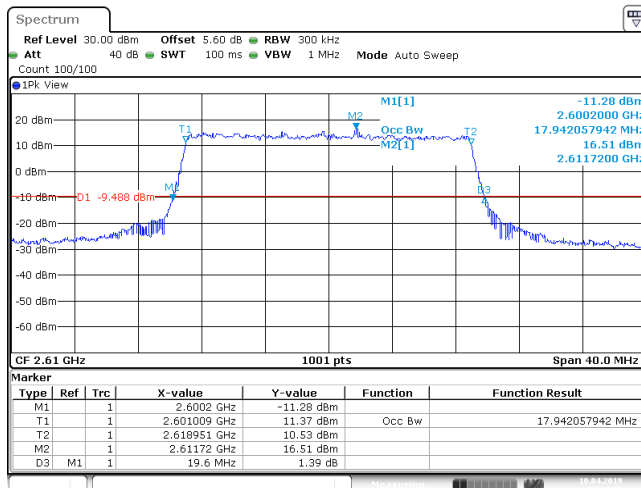
Band38_20MHz_QPSK_38000_100RB#0





Date: 10 APR 2019 20:22:19

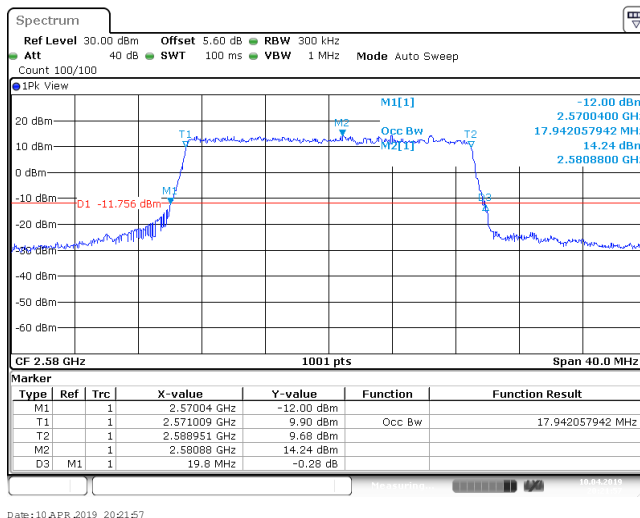
Band38_20MHz_QPSK_38150_100RB#0



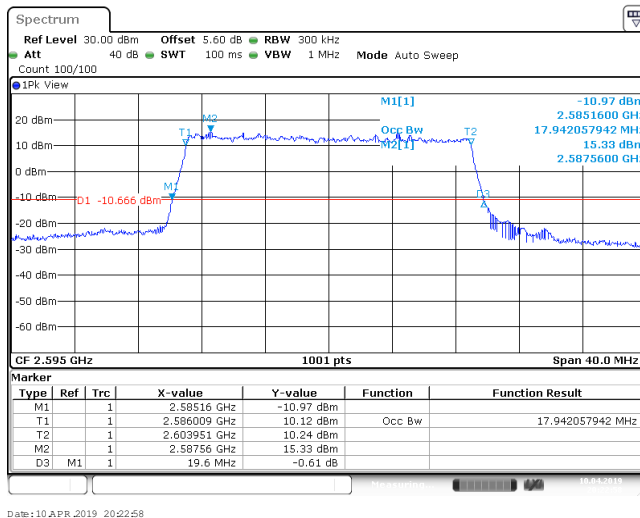
Date: 10 APR 2019 20:23:20

Band38_20MHz_64QAM_37850_100RB#0





Band38_20MHz_64QAM_38000_100RB#0

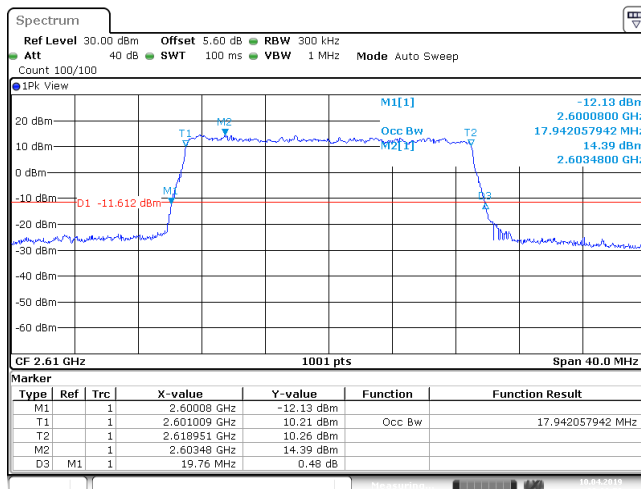


Band38_20MHz_64QAM_38150_100RB#0



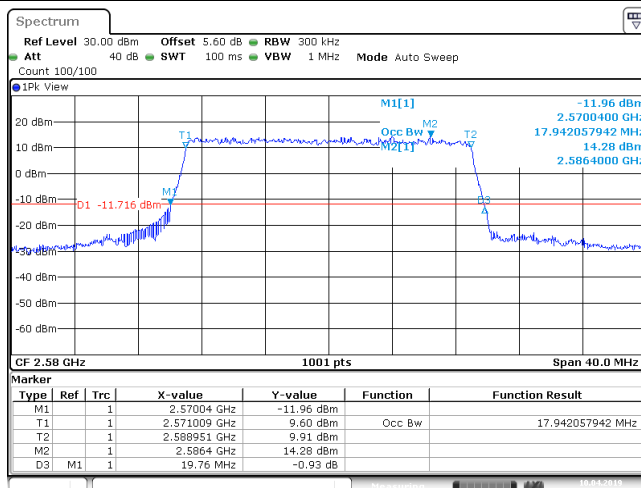
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 20:23:59

Band38_20MHz_16QAM_37850_100RB#0



Date: 10 APR 2019 20:21:57

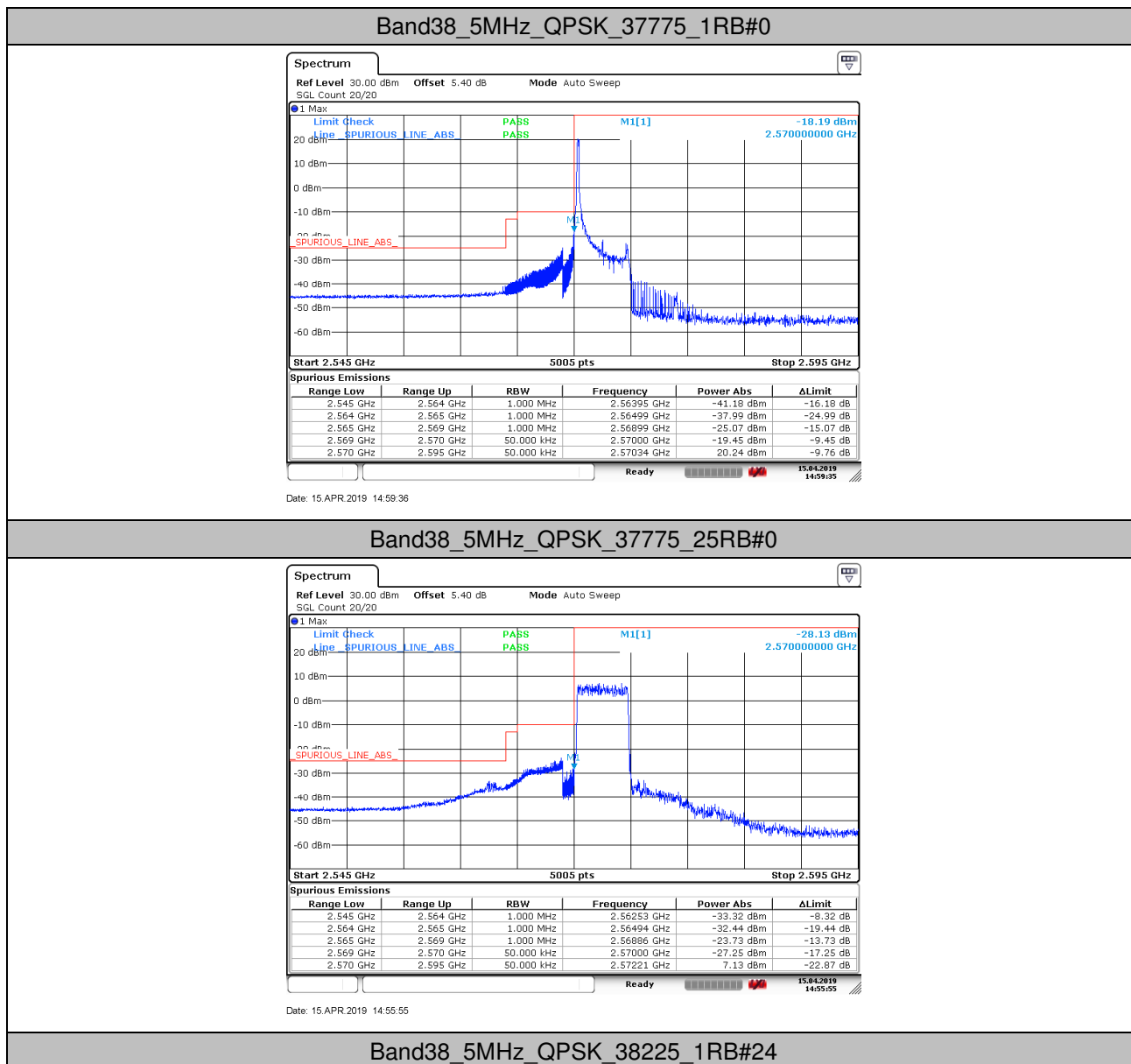
Band38_20MHz_16QAM_38000_100RB#0

Band38_20MHz_16QAM_38150_100RB#0



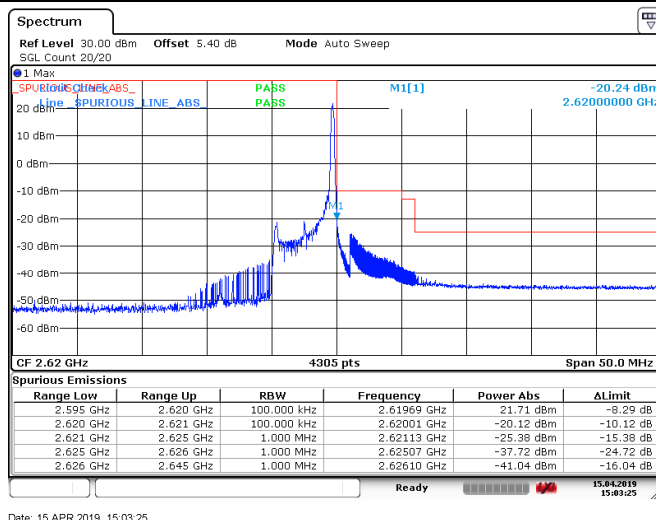
5. Band Edge Compliance

5.1. Test Plots



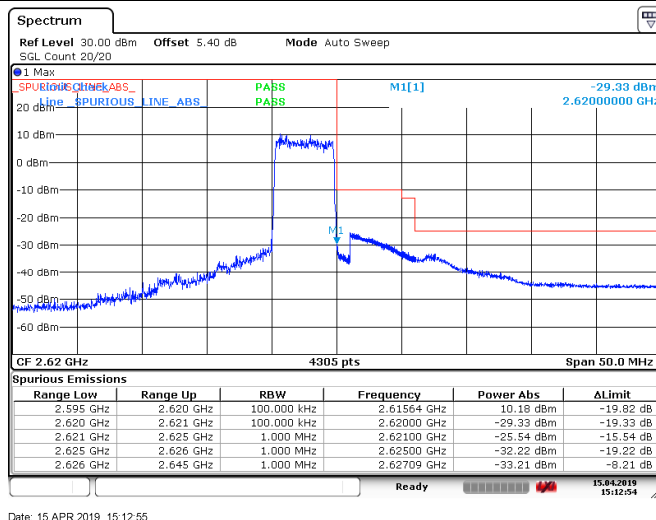
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 15 APR 2019 15:03:25

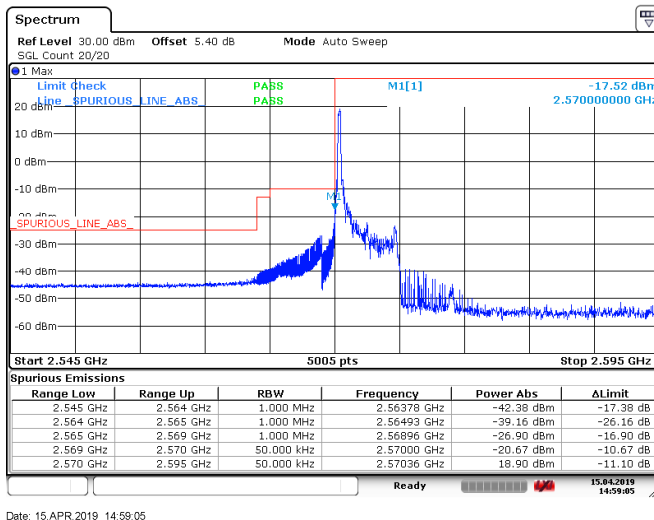
Band38_5MHz_QPSK_38225_25RB#0



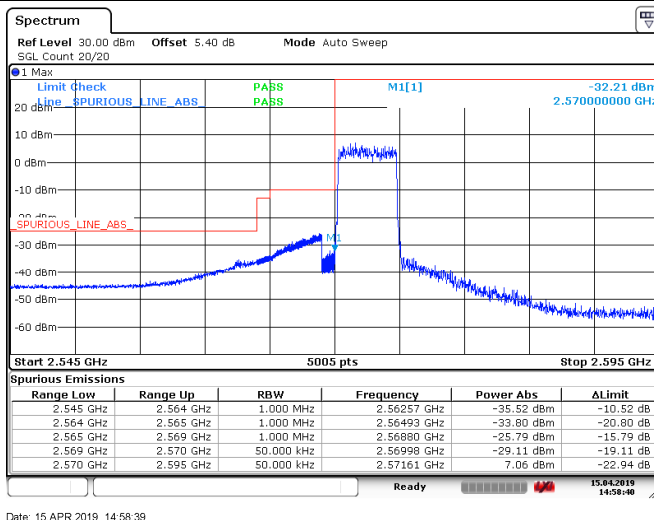
Date: 15 APR 2019 15:12:54

Band38_5MHz_64QAM_37775_1RB#0



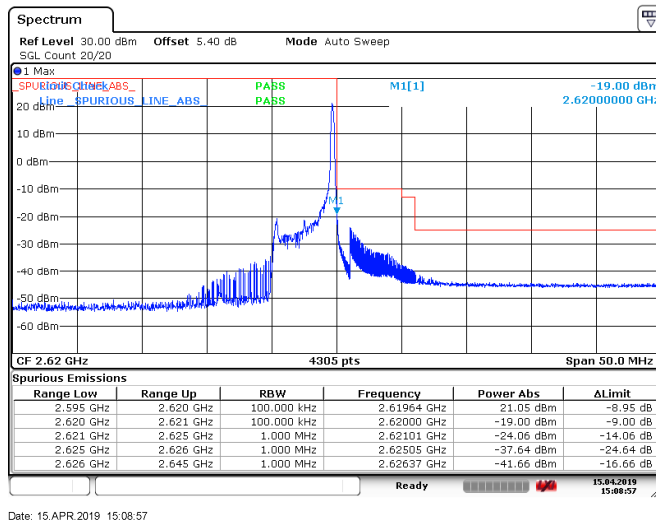


Band38_5MHz_64QAM_37775_25RB#0

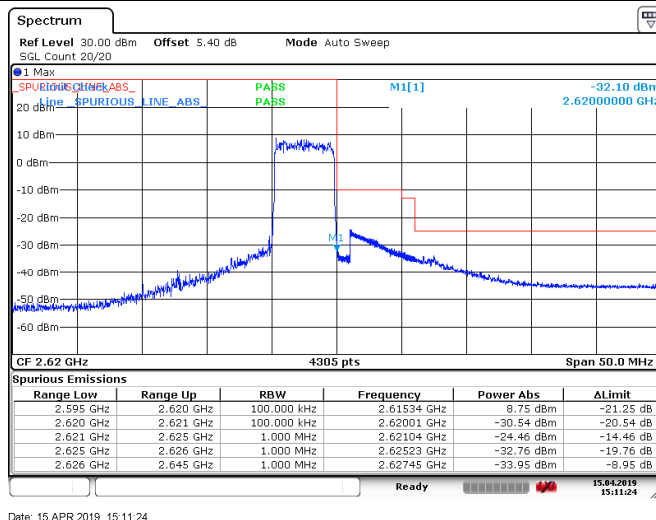


Band38_5MHz_64QAM_38225_1RB#24





Band38_5MHz_64QAM_38225_25RB#0

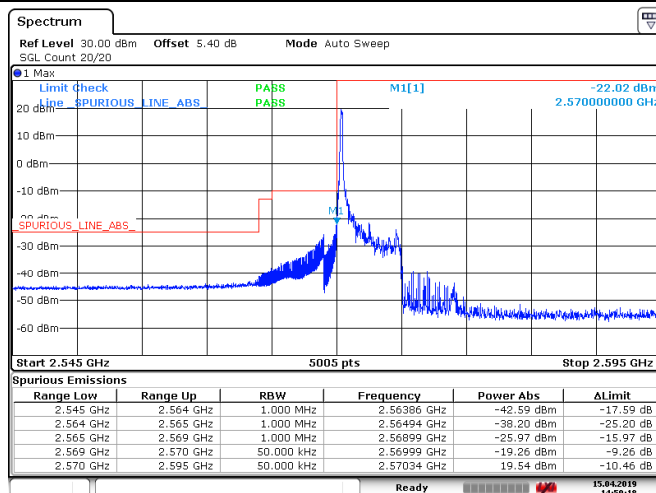


Band38_5MHz_16QAM_37775_1RB#0



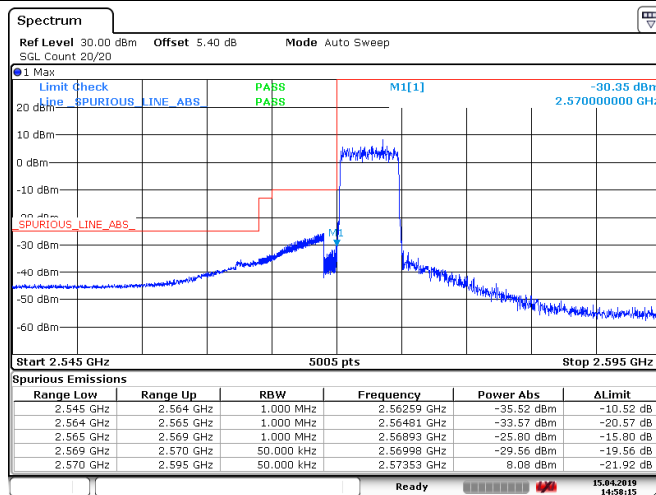
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 15 APR 2019 14:59:18

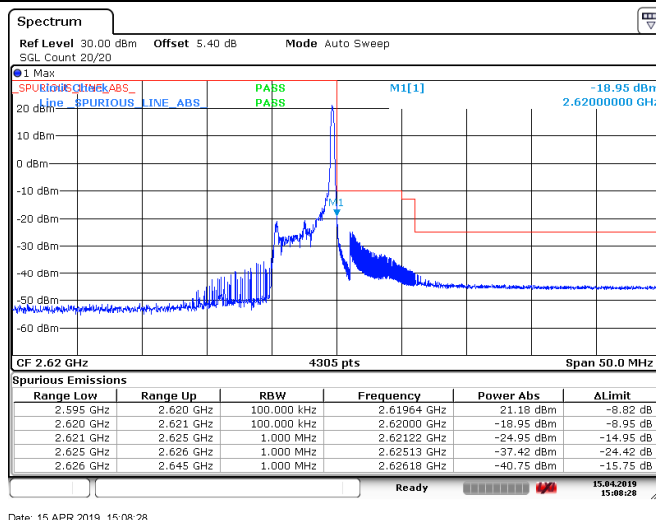
Band38_5MHz_16QAM_37775_25RB#0



Date: 15 APR 2019 14:58:16

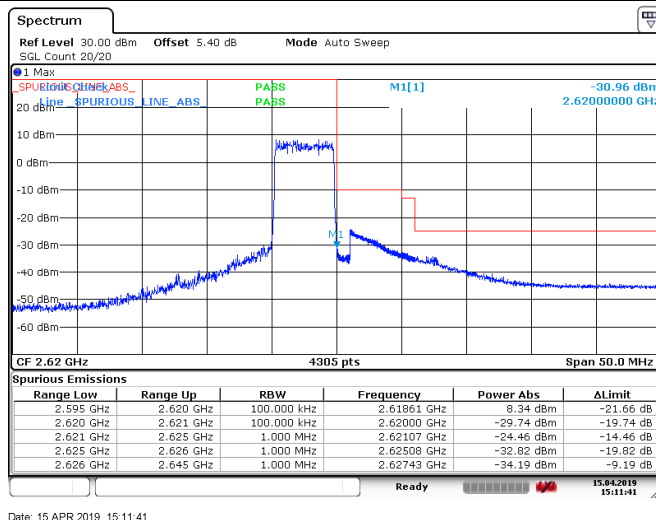
Band38_5MHz_16QAM_38225_1RB#24





Date: 15 APR 2019 15:08:28

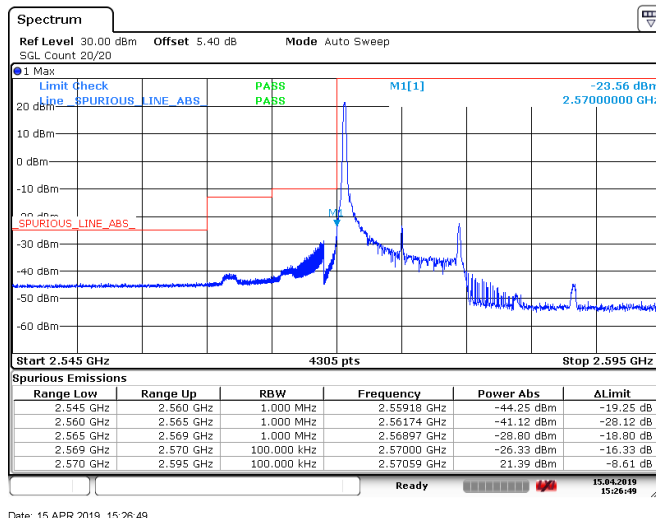
Band38_5MHz_16QAM_38225_25RB#0



Date: 15 APR 2019 15:11:41

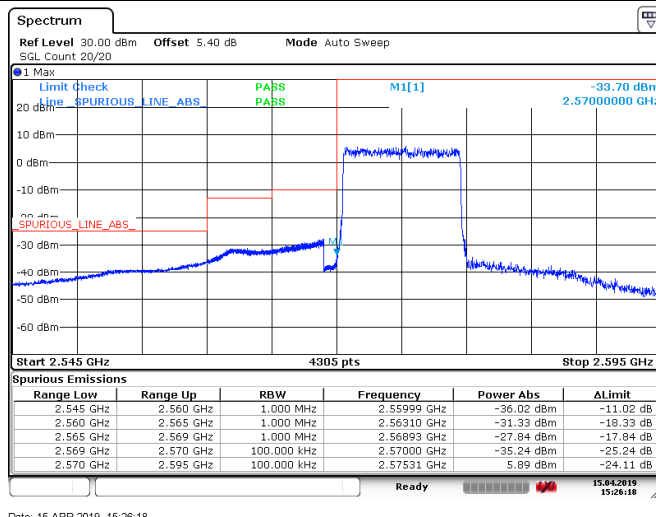
Band38_10MHz_QPSK_37800_1RB#0





Date: 15 APR 2019 15:26:49

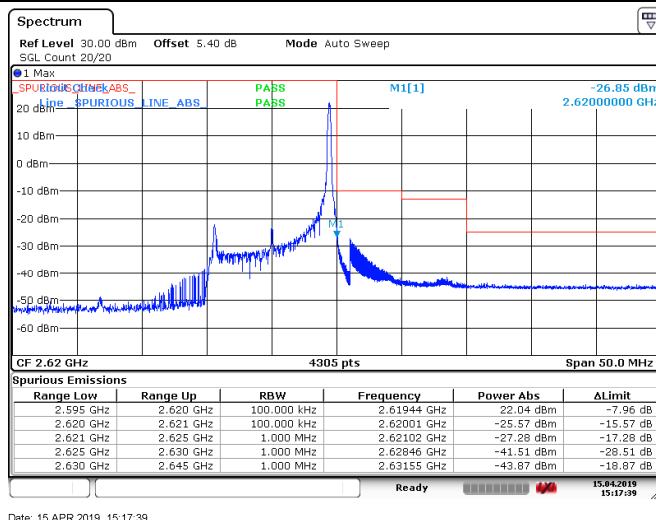
Band38_10MHz_QPSK_37800_50RB#0



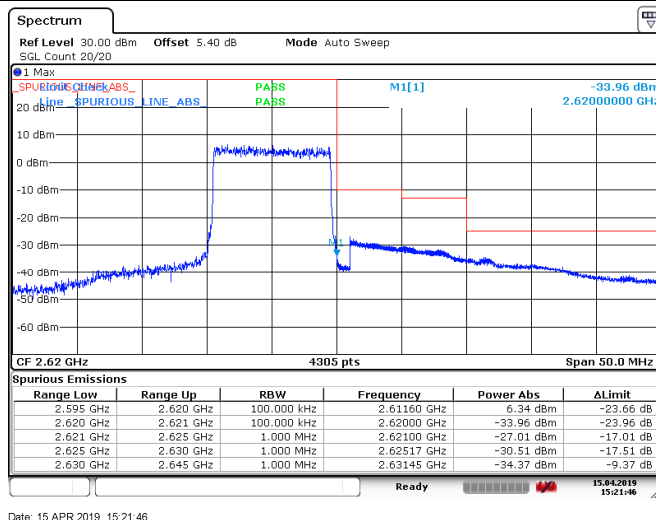
Date: 15 APR 2019 15:26:18

Band38_10MHz_QPSK_38200_1RB#49



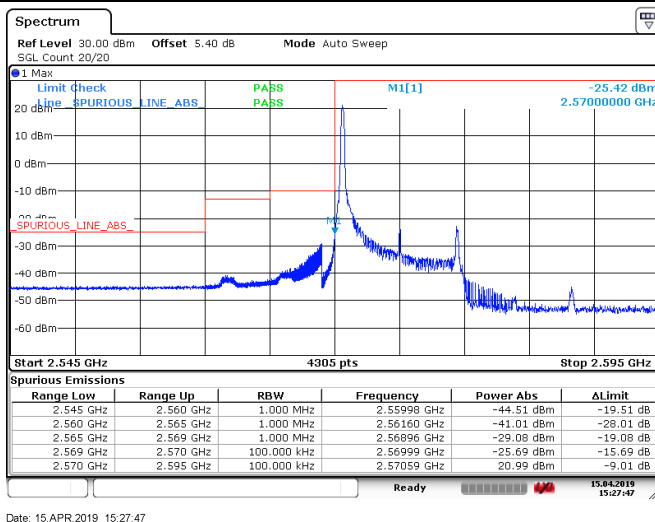


Band38_10MHz_QPSK_38200_50RB#0

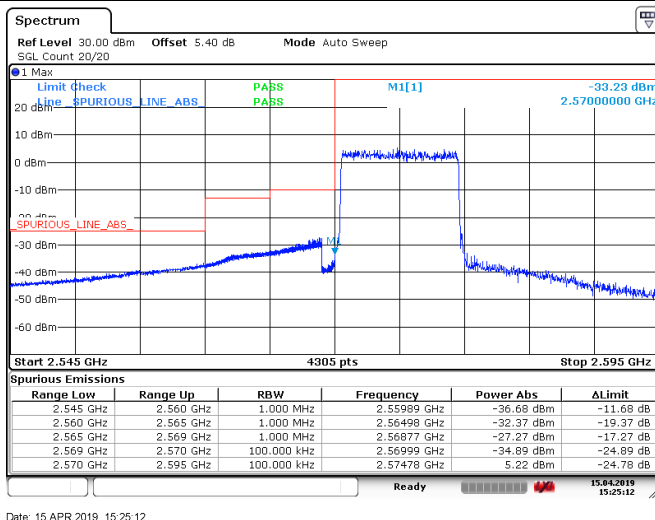


Band38_10MHz_64QAM_37800_1RB#0



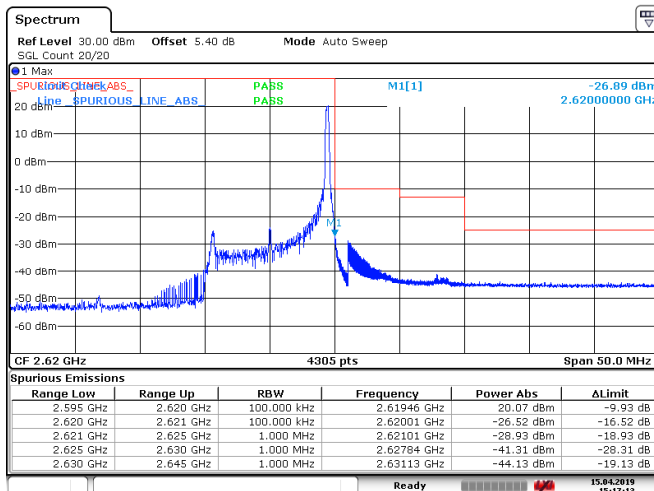


Band38_10MHz_64QAM_37800_50RB#0



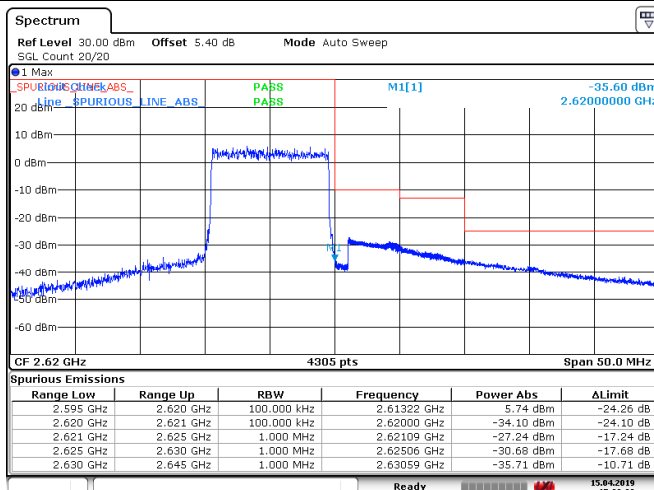
Band38_10MHz_64QAM_38200_1RB#49





Date: 15 APR 2019 15:17:13

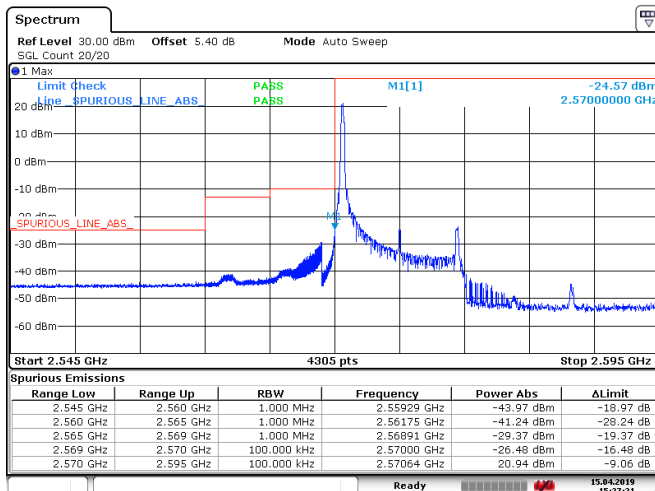
Band38_10MHz_64QAM_38200_50RB#0



Date: 15 APR 2019 15:23:23

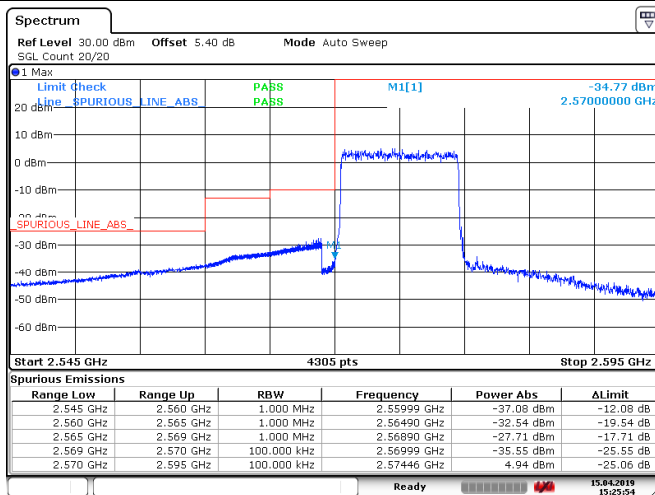
Band38_10MHz_16QAM_37800_1RB#0





Date: 15 APR 2019 15:27:22

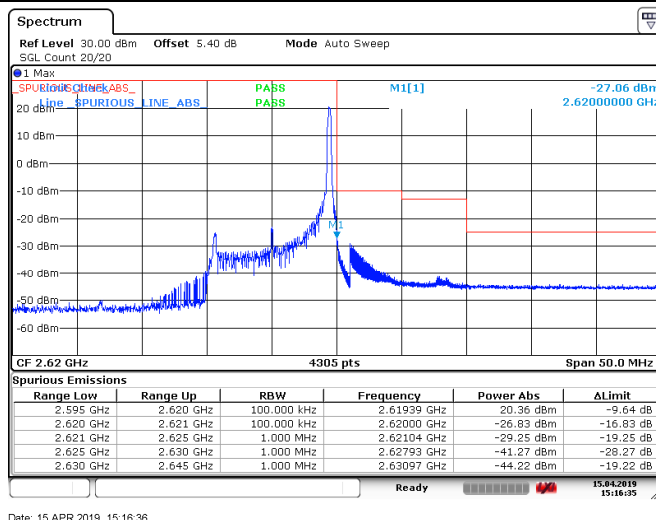
Band38_10MHz_16QAM_37800_50RB#0



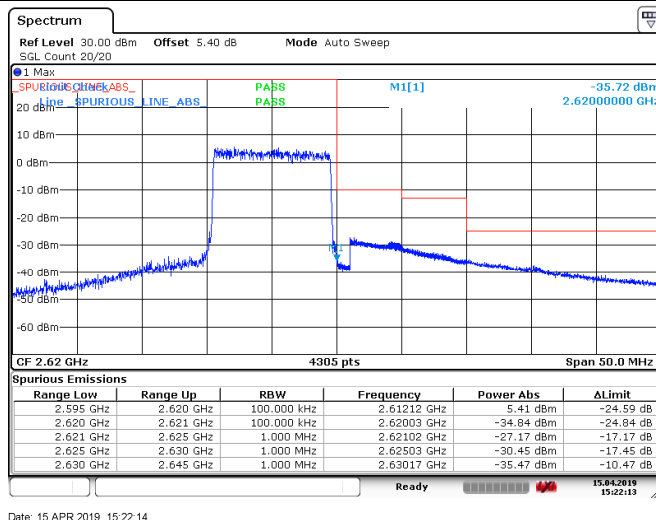
Date: 15 APR 2019 15:25:55

Band38_10MHz_16QAM_38200_1RB#49



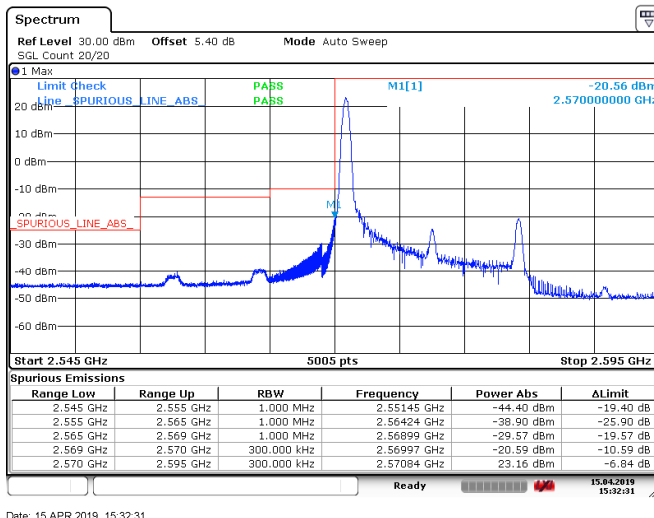


Band38_10MHz_16QAM_38200_50RB#0



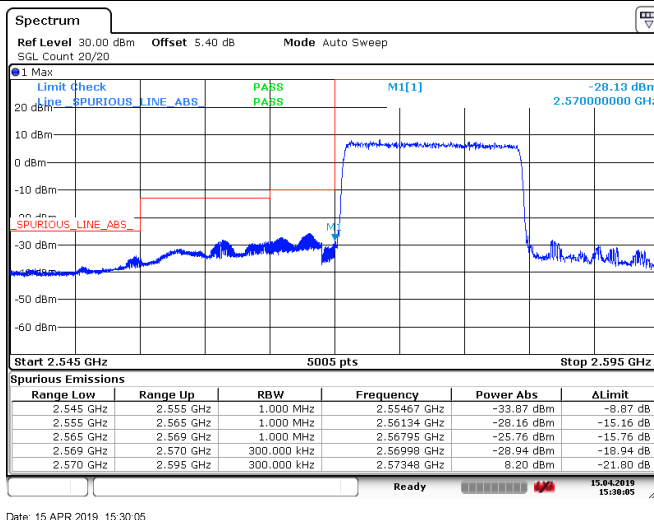
Band38_15MHz_QPSK_37825_1RB#0





Date: 15 APR 2019 15:32:31

Band38_15MHz_QPSK_37825_75RB#0



Date: 15 APR 2019 15:30:05

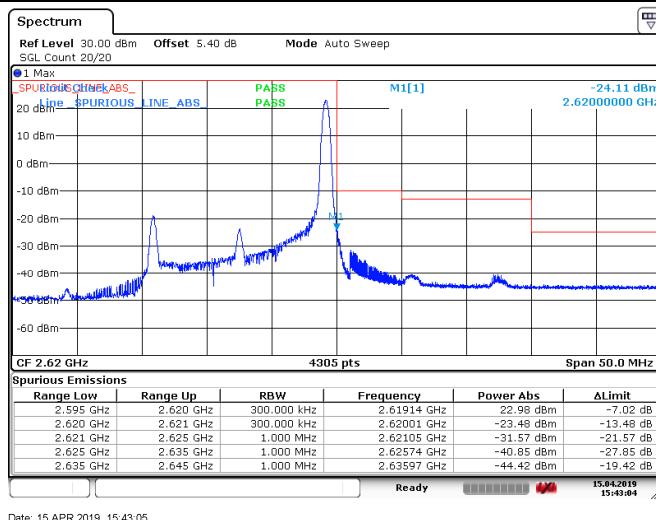
Band38_15MHz_QPSK_38175_1RB#74



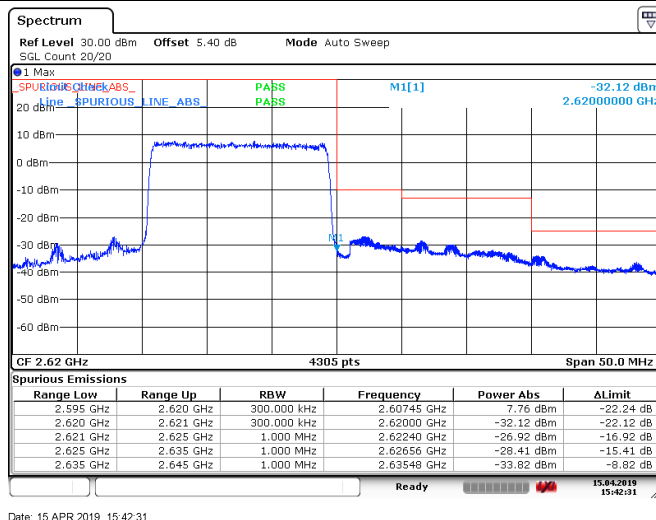
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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 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

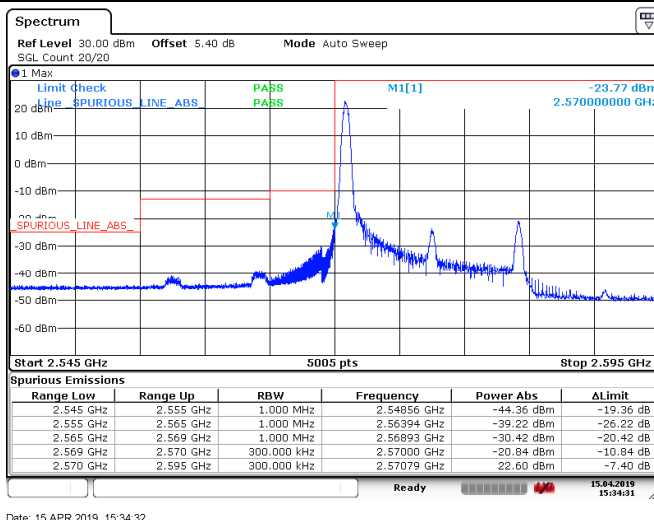


Band38_15MHz_QPSK_38175_75RB#0

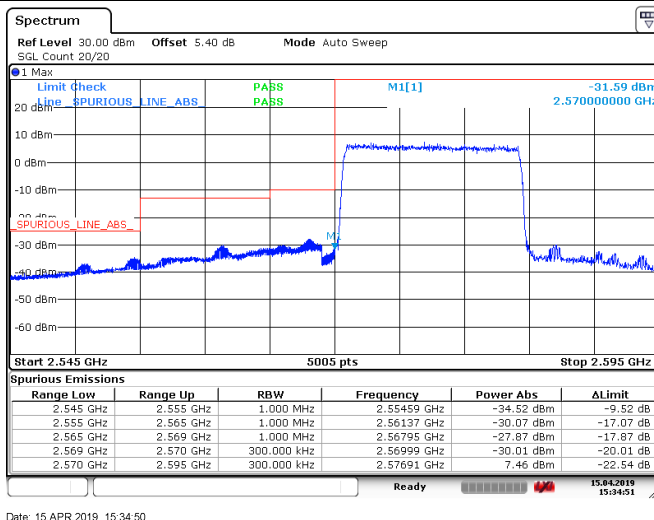


Band38_15MHz_64QAM_37825_1RB#0



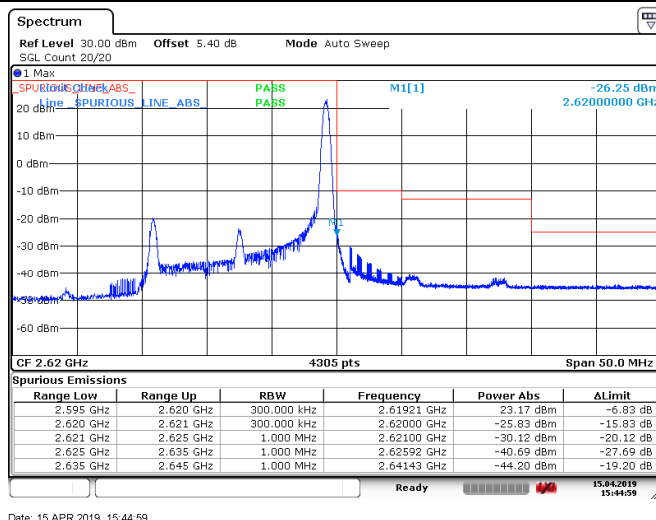


Band38_15MHz_64QAM_37825_75RB#0

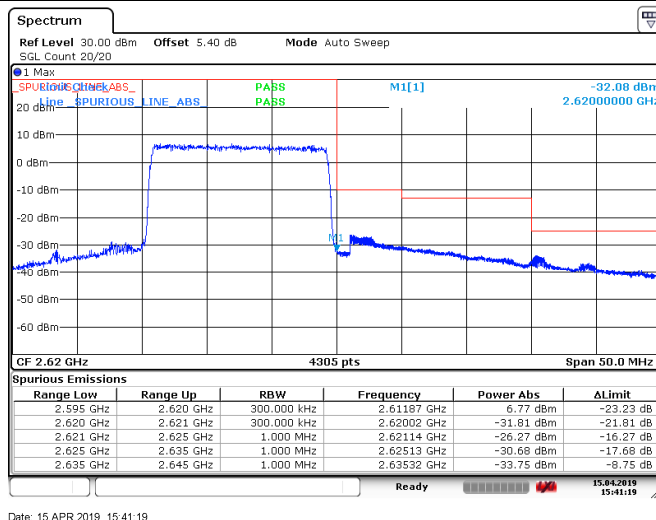


Band38_15MHz_64QAM_38175_1RB#74



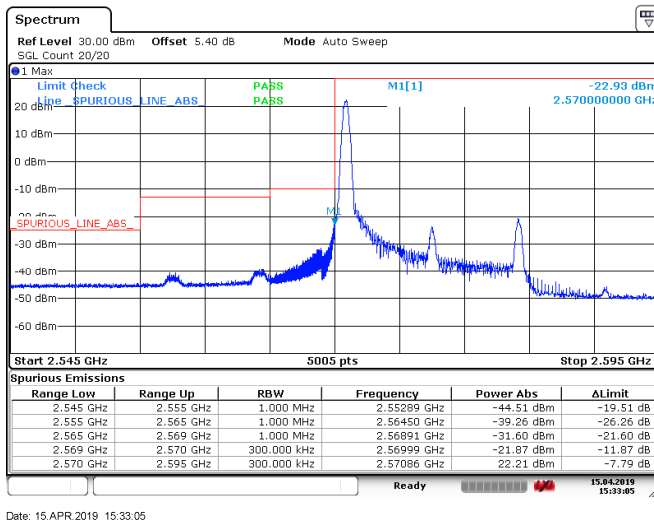


Band38_15MHz_64QAM_38175_75RB#0

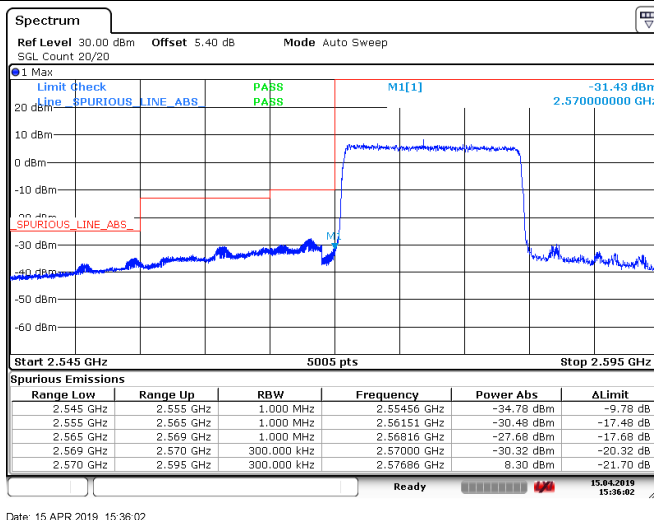


Band38_15MHz_16QAM_37825_1RB#0



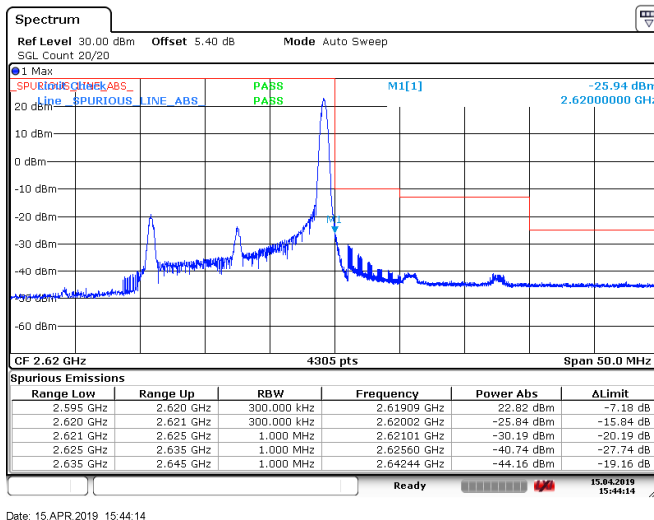


Band38_15MHz_16QAM_37825_75RB#0

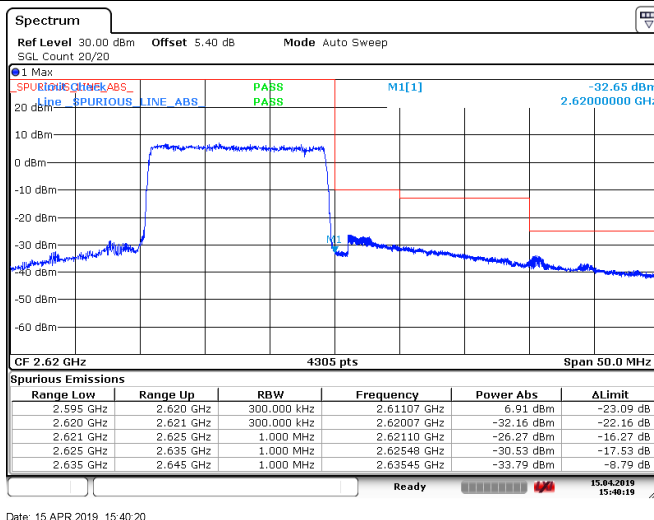


Band38_15MHz_16QAM_38175_1RB#74



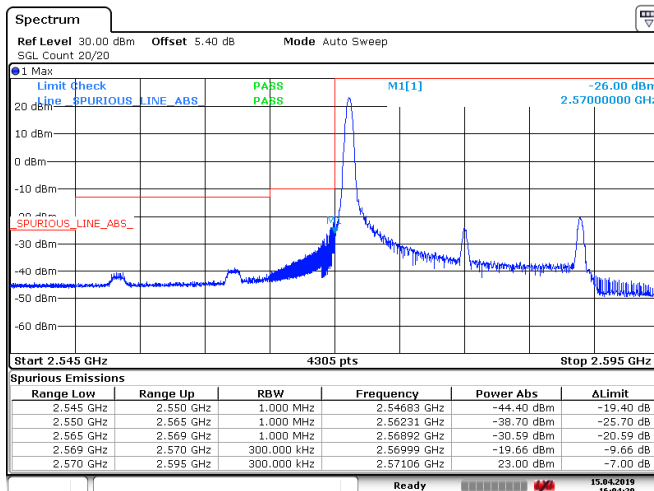


Band38_15MHz_16QAM_38175_75RB#0



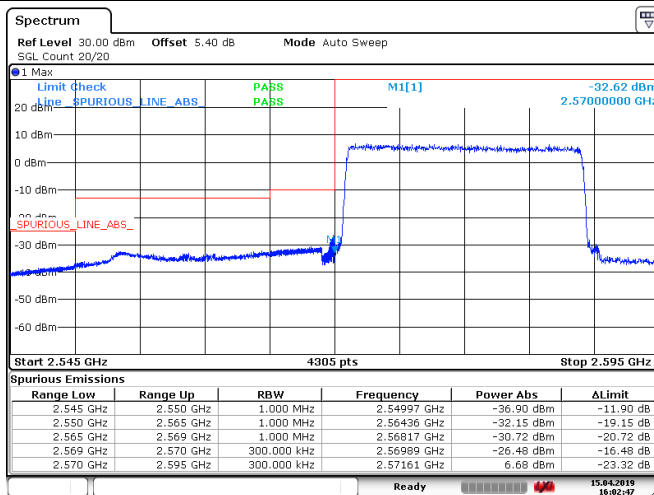
Band38_20MHz_QPSK_37850_1RB#0





Date: 15 APR 2019 16:04:20

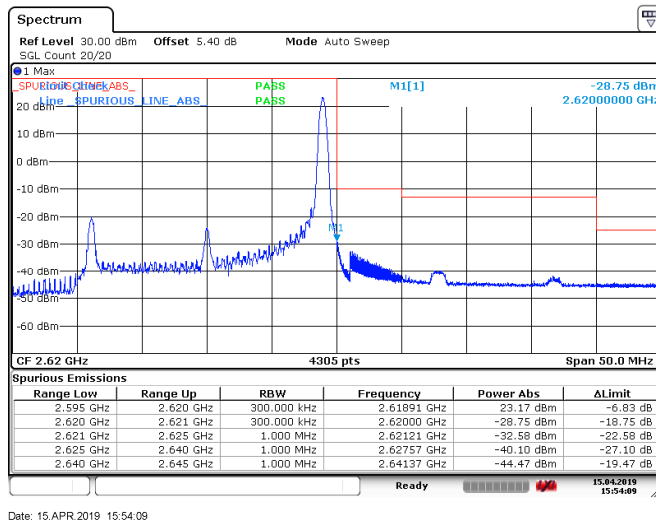
Band38_20MHz_QPSK_37850_100RB#0



Date: 15 APR 2019 16:02:47

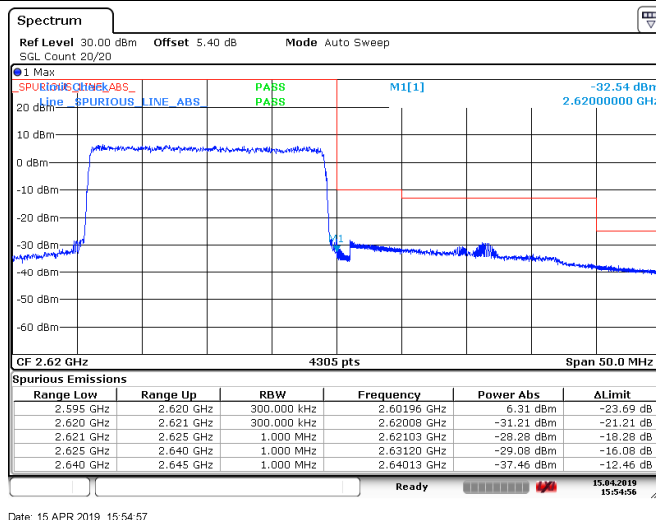
Band38_20MHz_QPSK_38150_1RB#99





Date: 15 APR 2019 15:54:09

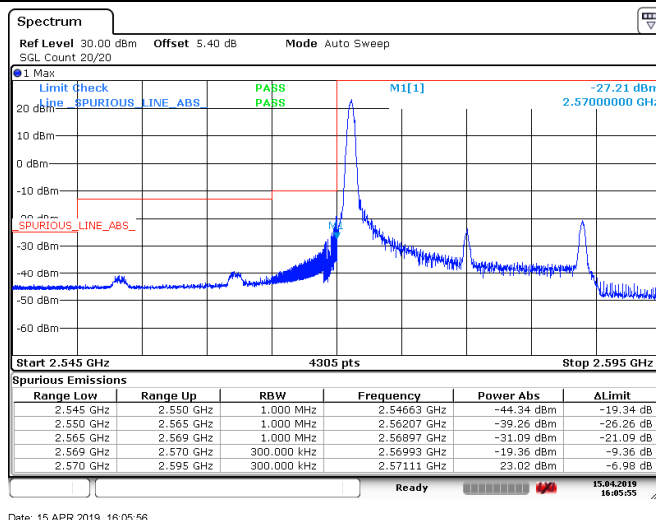
Band38_20MHz_QPSK_38150_100RB#0



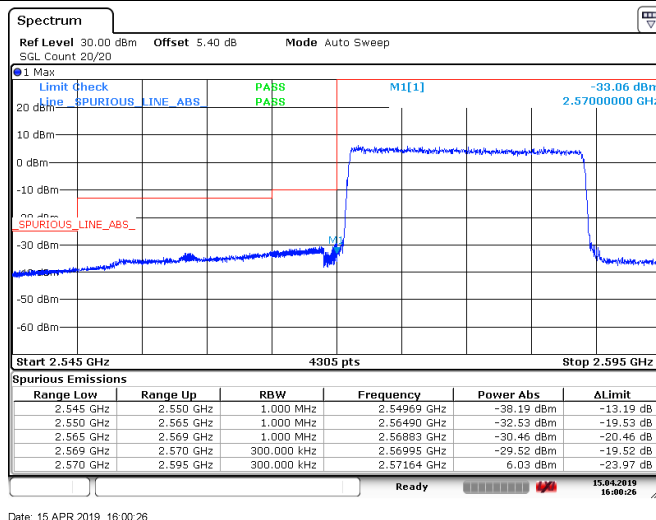
Date: 15 APR 2019 15:54:57

Band38_20MHz_64QAM_37850_1RB#0



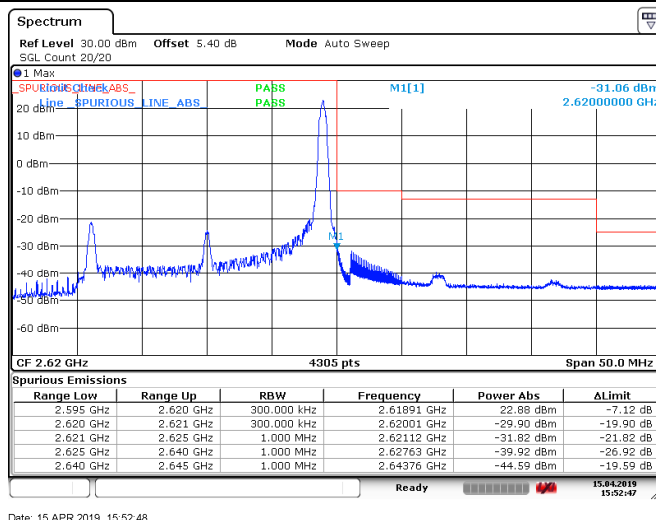


Band38_20MHz_64QAM_37850_100RB#0

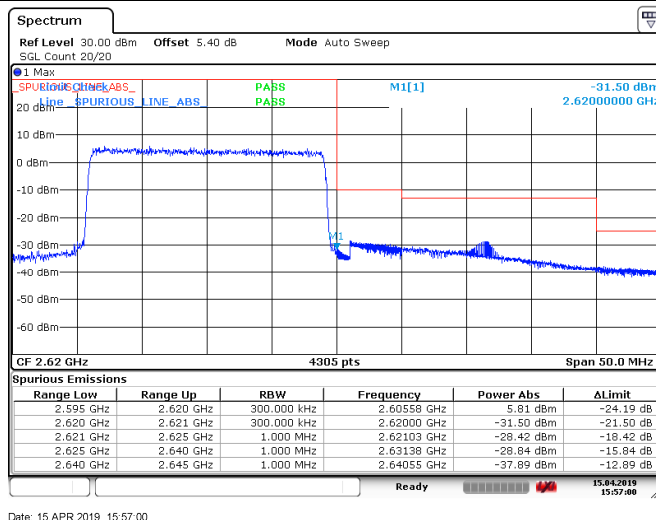


Band38_20MHz_64QAM_38150_1RB#99



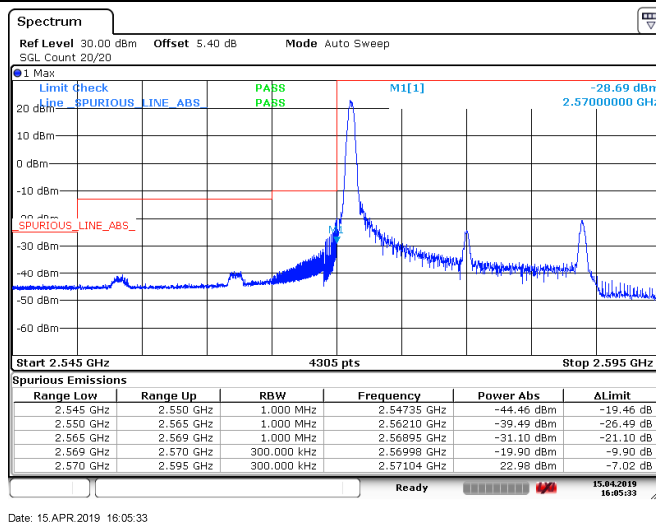


Band38_20MHz_64QAM_38150_100RB#0

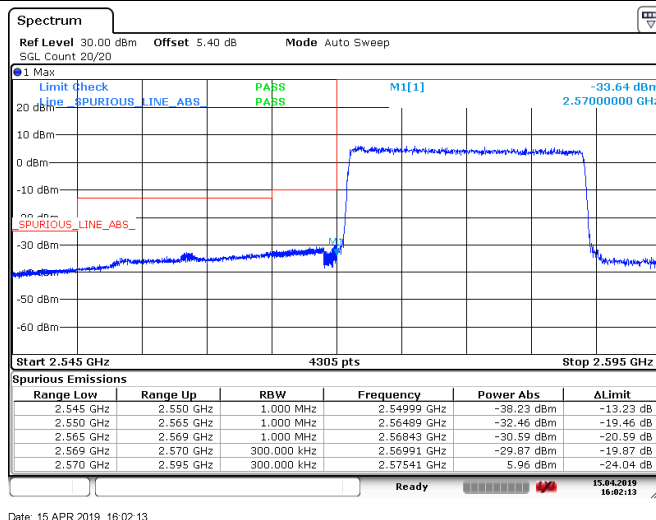


Band38_20MHz_16QAM_37850_1RB#0



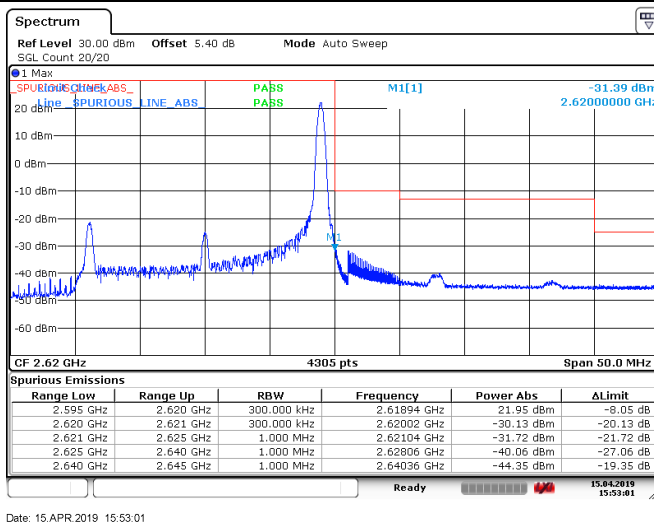


Band38_20MHz_16QAM_37850_100RB#0



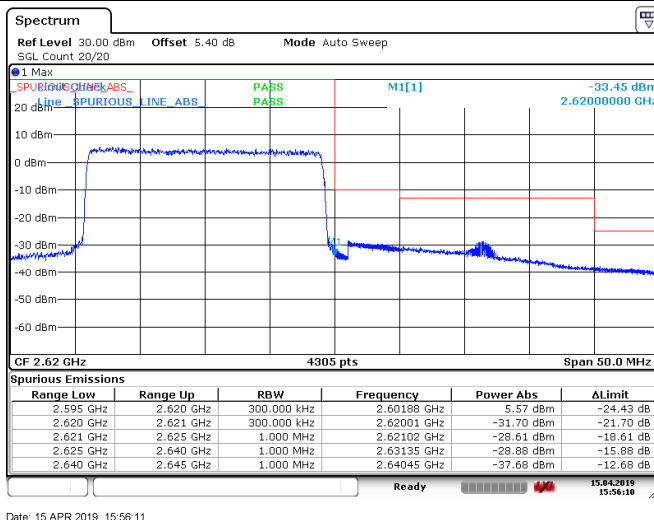
Band38_20MHz_16QAM_38150_1RB#99





Date: 15 APR 2019 15:53:01

Band38_20MHz_16QAM_38150_100RB#0



Date: 15 APR 2019 15:56:11



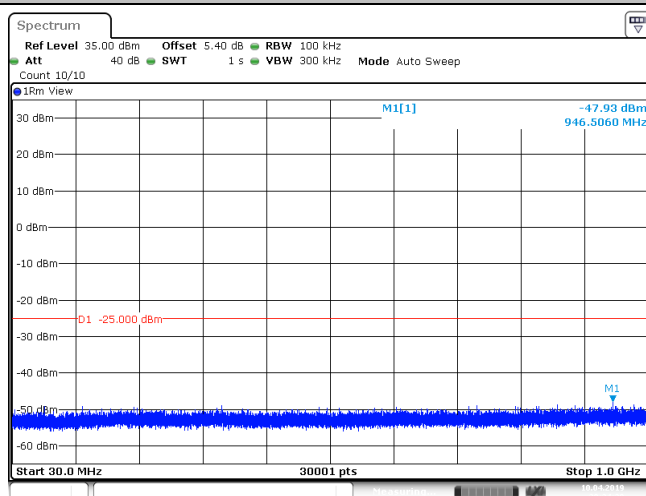
6. Spurious Emission at Antenna Terminal

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.

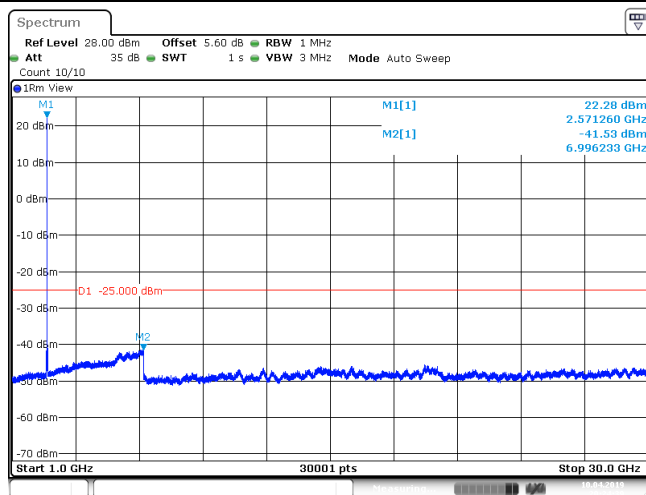
6.1. Test Plots

Band38_20MHz_QPSK_37850_1RB#0



Date: 10 APR. 2019 20:24:21

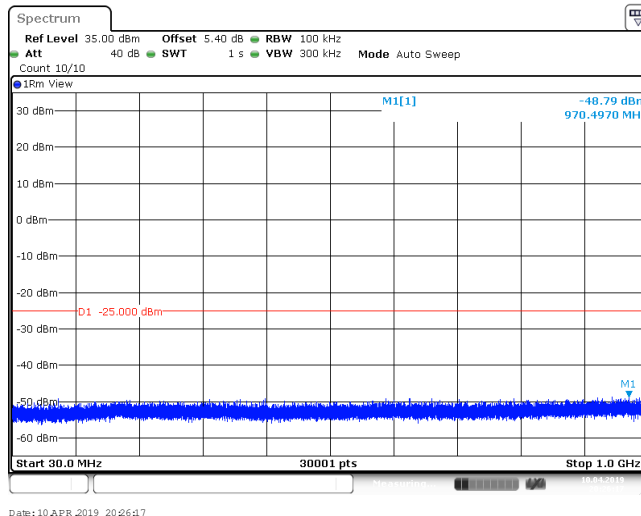
Band38_20MHz_QPSK_37850_1RB#0



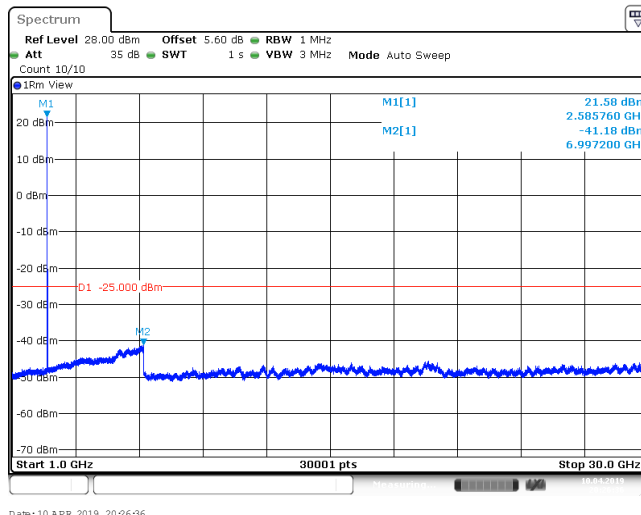
Date: 10 APR. 2019 20:24:40

Band38_20MHz_QPSK_38000_1RB#0





Band38_20MHz_QPSK_38000_1RB#0



Band38_20MHz_QPSK_38150_1RB#0

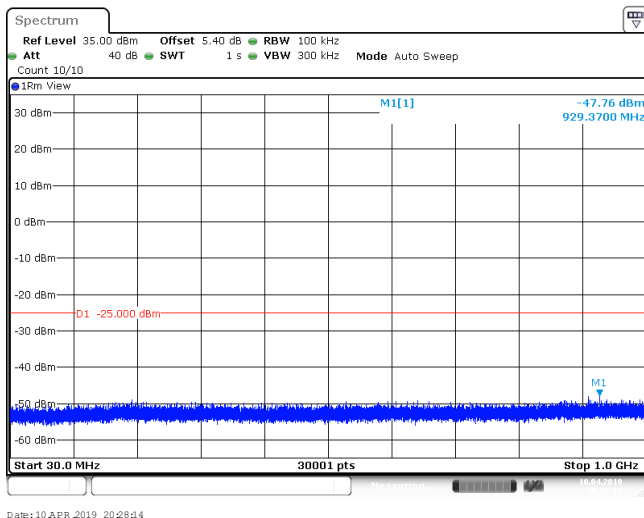


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

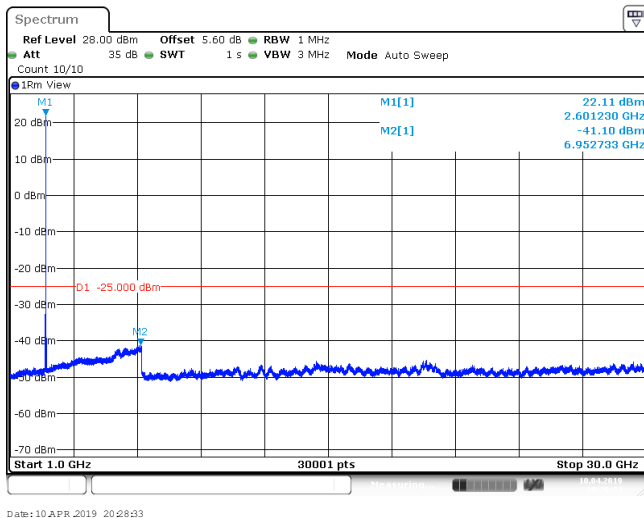
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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_20MHz_QPSK_38150_1RB#0

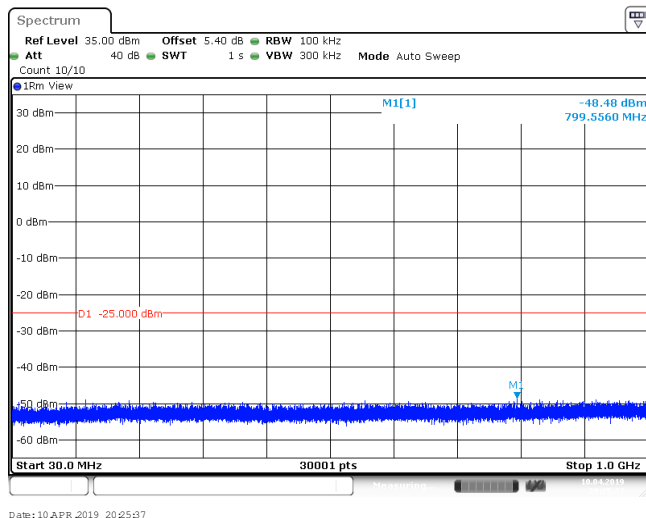


Band38_20MHz_64QAM_37850_1RB#0

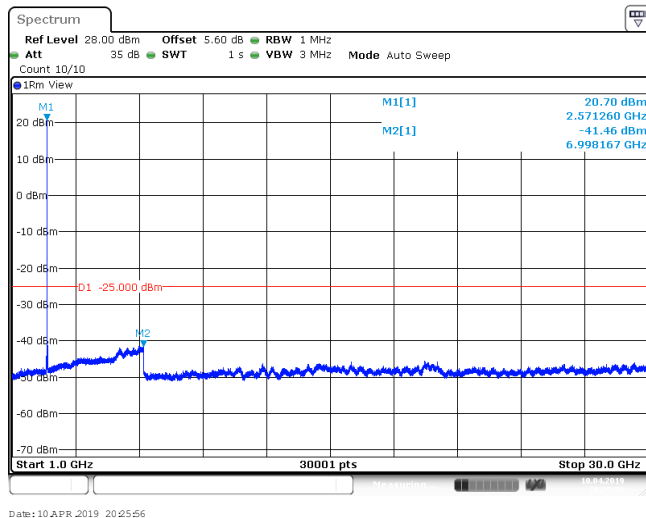


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band38_20MHz_64QAM_37850_1RB#0

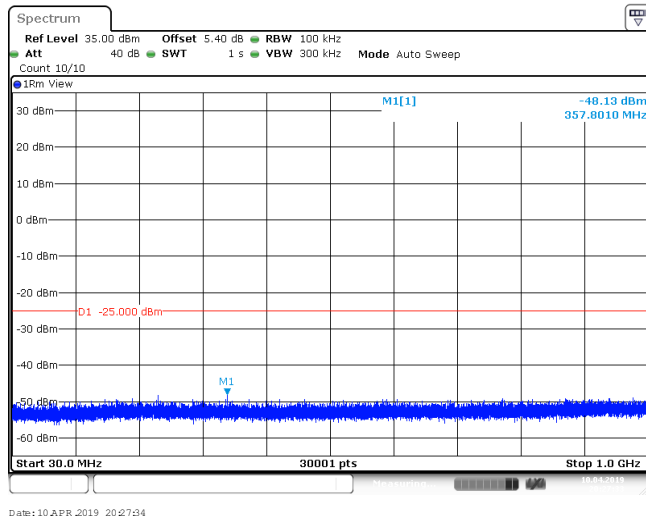


Band38_20MHz_64QAM_38000_1RB#0

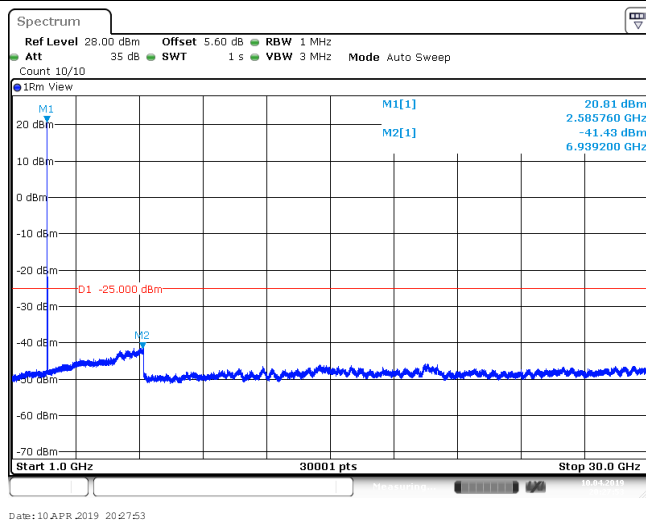


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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_20MHz_64QAM_38000_1RB#0

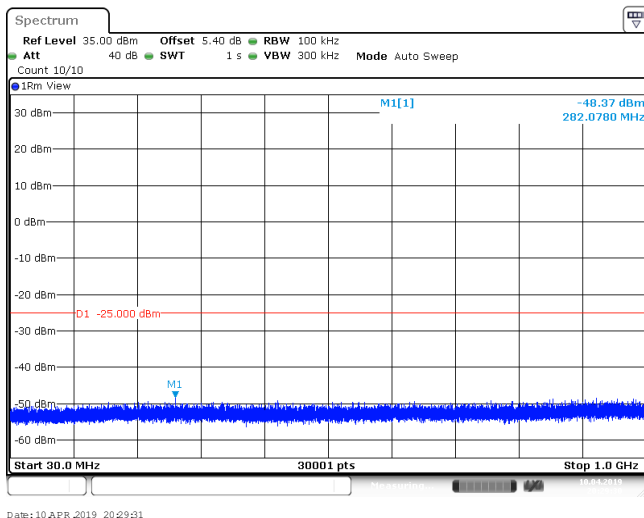


Band38_20MHz_64QAM_38150_1RB#0

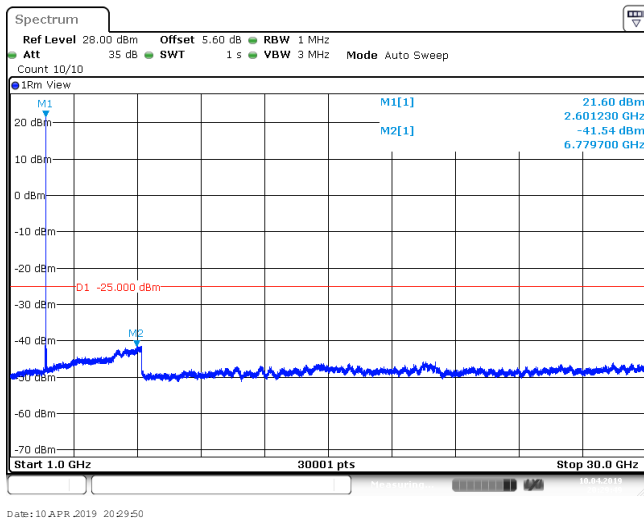


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



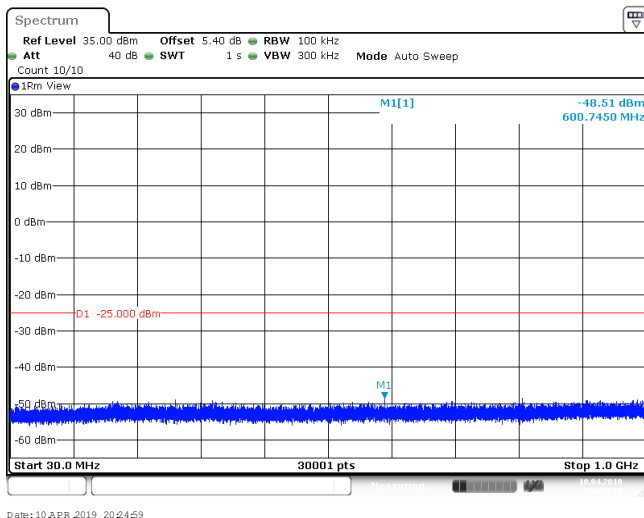
Band38_20MHz_64QAM_38150_1RB#0



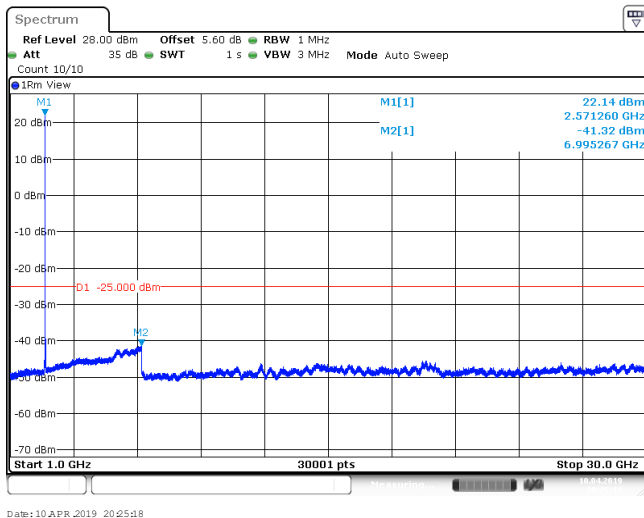
Band38_20MHz_16QAM_37850_1RB#0



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



Band38_20MHz_16QAM_37850_1RB#0

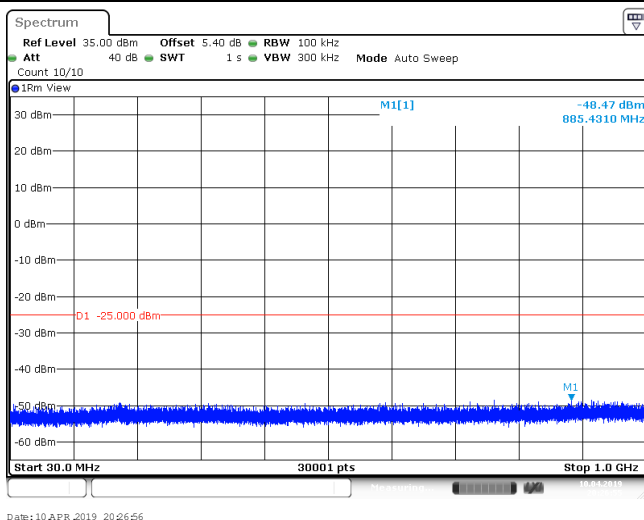


Band38_20MHz_16QAM_38000_1RB#0

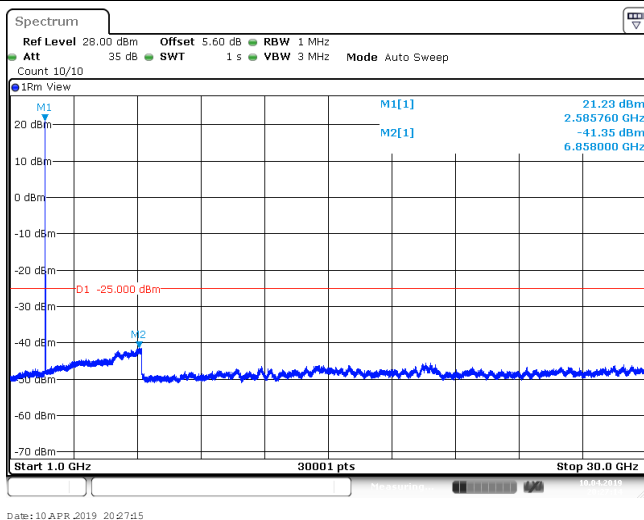


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

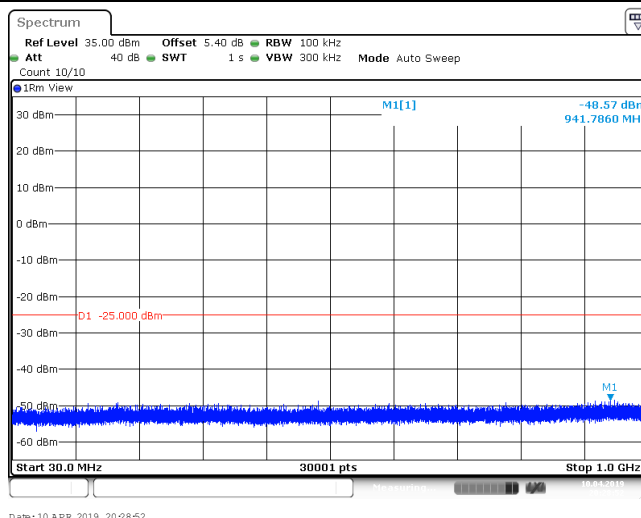


Band38_20MHz_16QAM_38000_1RB#0

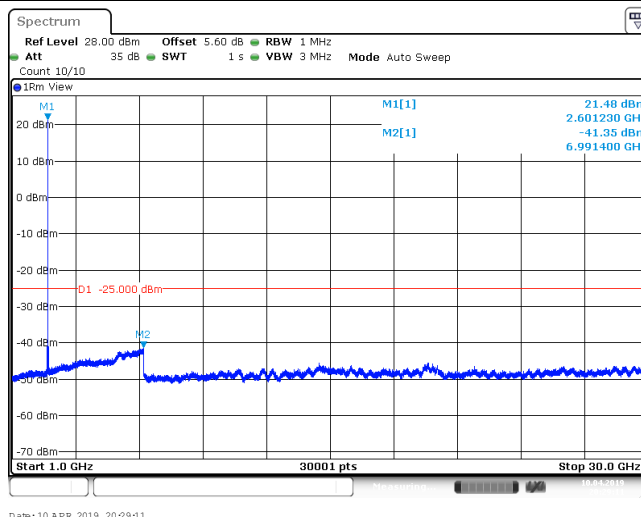


Band38_20MHz_16QAM_38150_1RB#0





Band38_20MHz_16QAM_38150_1RB#0



7. Field Strength of Spurious Radiation

7.1. Main Antenna

7.1.1. Test BAND = LTE Band 38

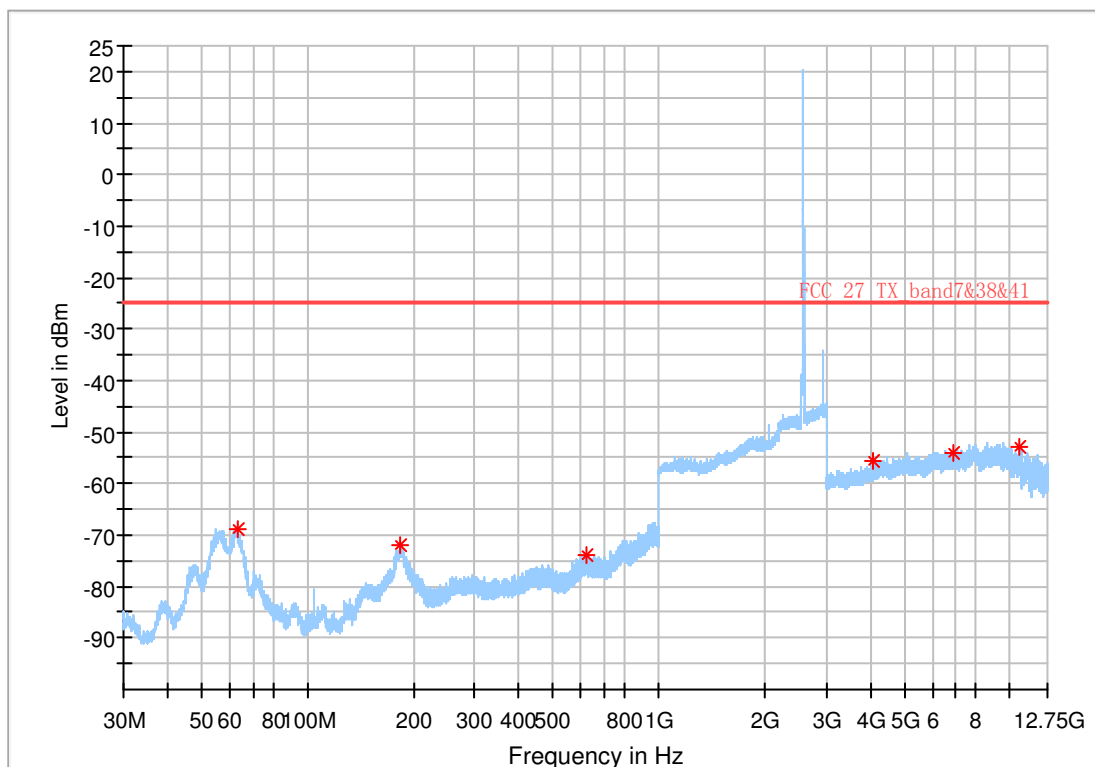
7.1.1.1. Test Mode = LTE/TM1 20MHz

7.1.1.1.1. Test Channel = LCH



7.1.1.1.1. Horizontal

Full Spectrum



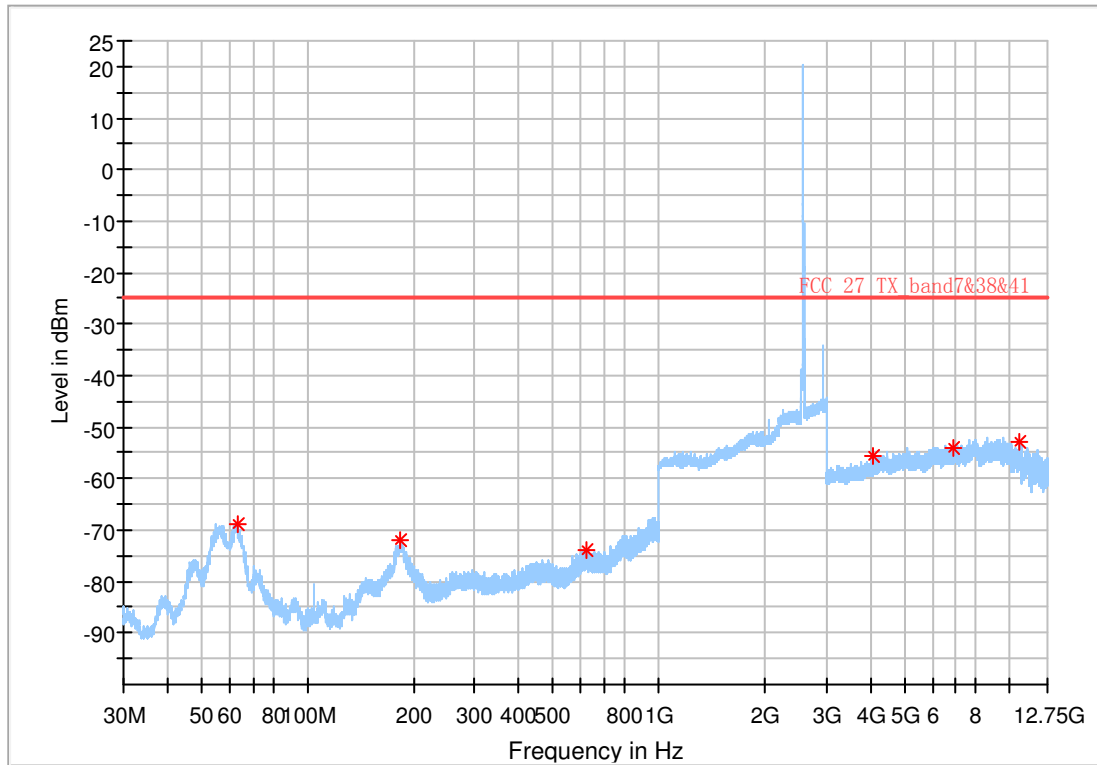
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.400000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-96.1
184.150000	-72.07	-25.00	47.07	---	---	200.0	H	32.0	-106.9
619.858333	-73.91	-25.00	48.91	---	---	200.0	H	262.0	-97.9
4050.725000	-55.71	-25.00	30.71	---	---	200.0	H	212.0	-103.6
6870.425000	-53.89	-25.00	28.89	---	---	200.0	H	0.0	-99.3
10631.975000	-53.05	-25.00	28.05	---	---	200.0	H	0.0	-96.4



7.1.1.1.1.2. Vertical

Full Spectrum



Critical_Freqs

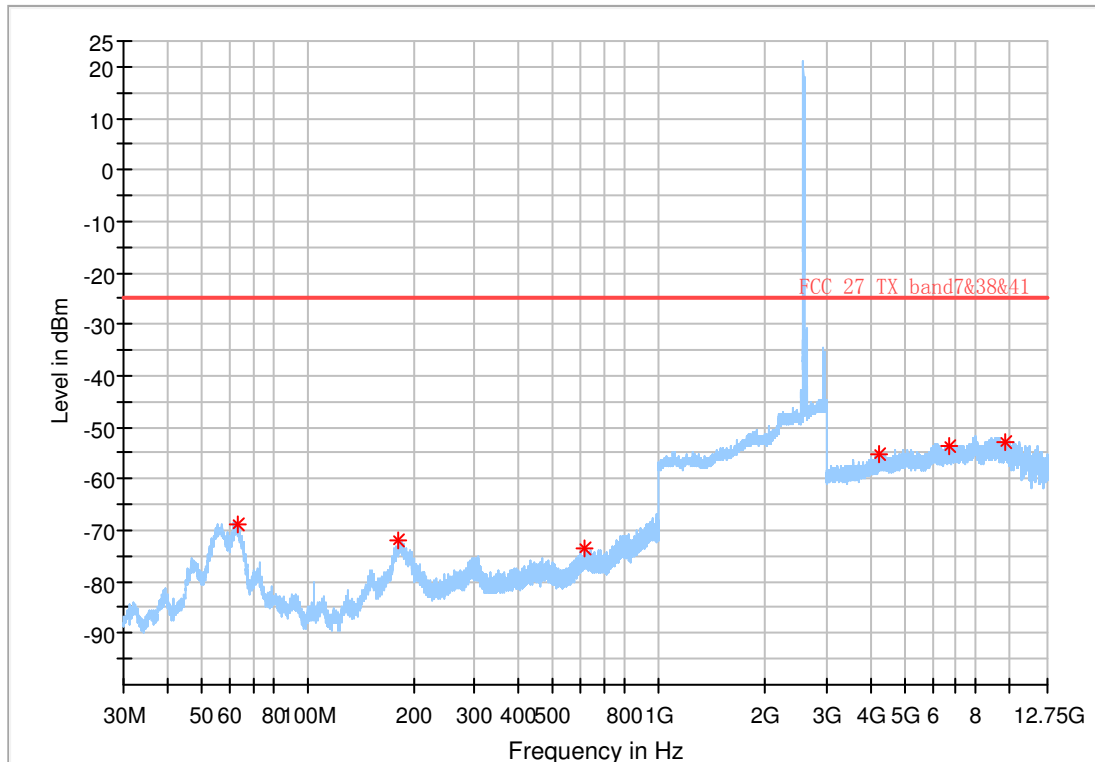
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.400000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-96.1
184.150000	-72.07	-25.00	47.07	---	---	200.0	H	32.0	-106.9
619.858333	-73.91	-25.00	48.91	---	---	200.0	H	262.0	-97.9
4050.725000	-55.71	-25.00	30.71	---	---	200.0	H	212.0	-103.6
6870.425000	-53.89	-25.00	28.89	---	---	200.0	H	0.0	-99.3
10631.975000	-53.05	-25.00	28.05	---	---	200.0	H	0.0	-96.4



7.1.1.1.2. Test Channel = MCH

7.1.1.1.2.1. Horizontal

Full Spectrum



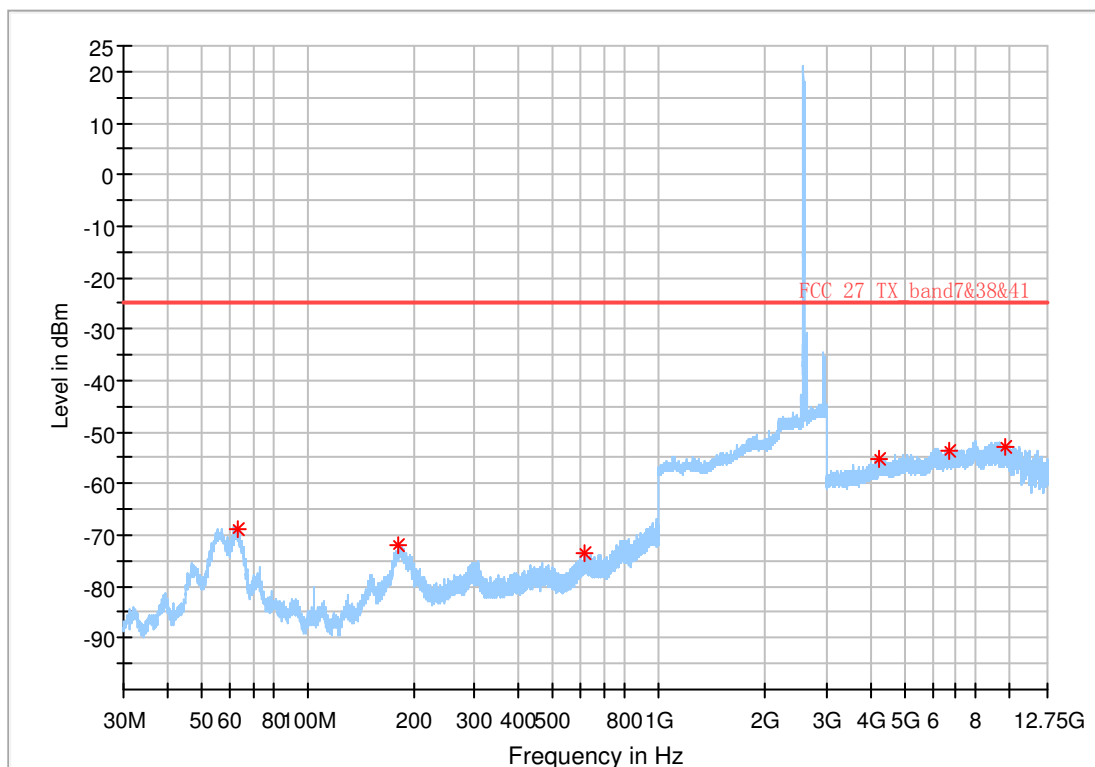
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.1.1.1.2.2. Vertical

Full Spectrum



Critical_Freqs

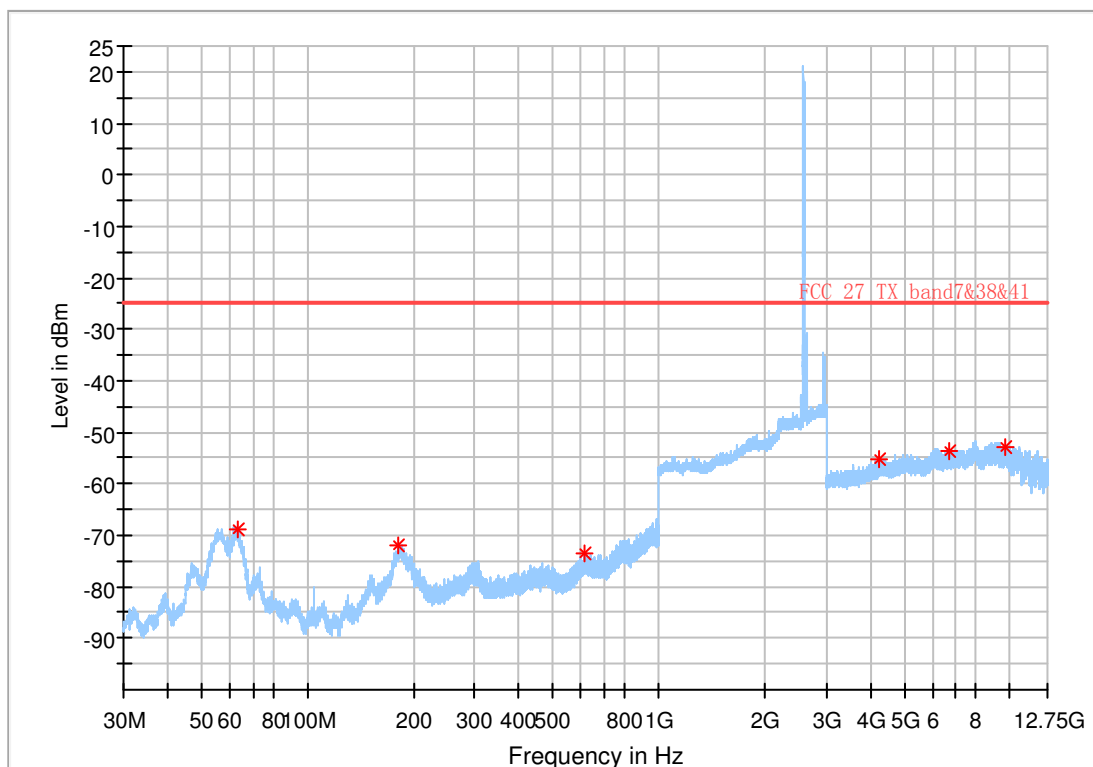
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.1.1.1.3. Test Channel = HCH

7.1.1.1.3.1. Horizontal

Full Spectrum



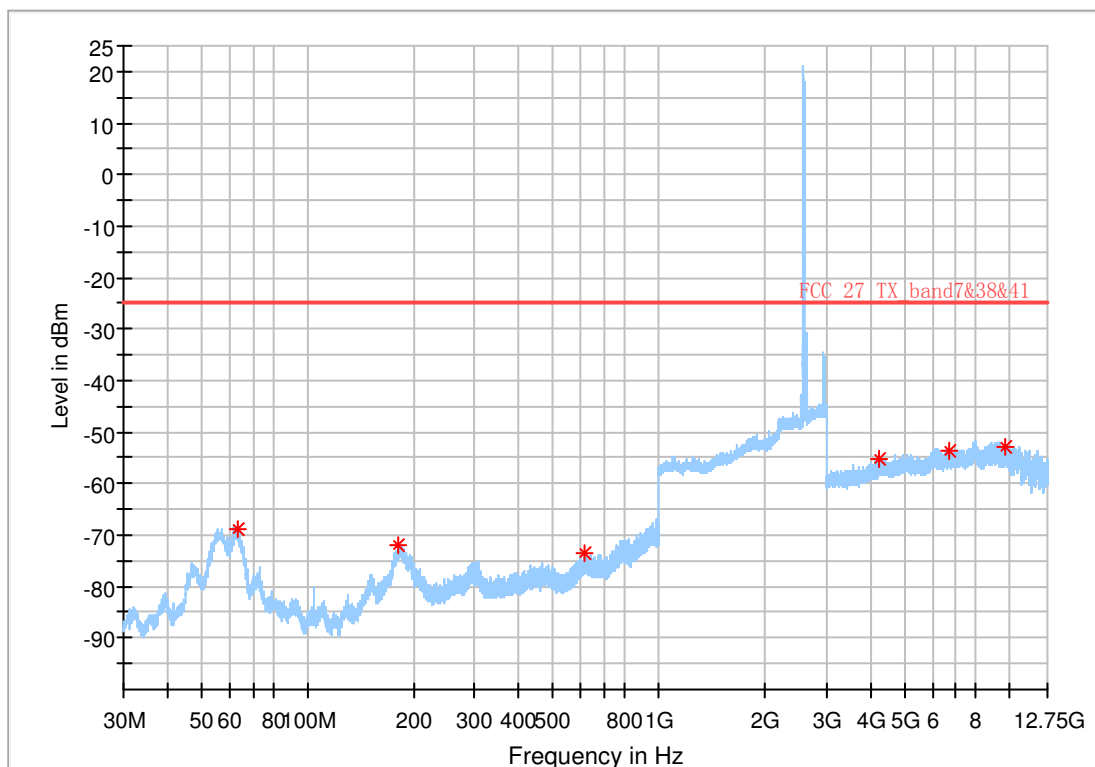
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.1.1.1.3.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.2. Secondary Antenna

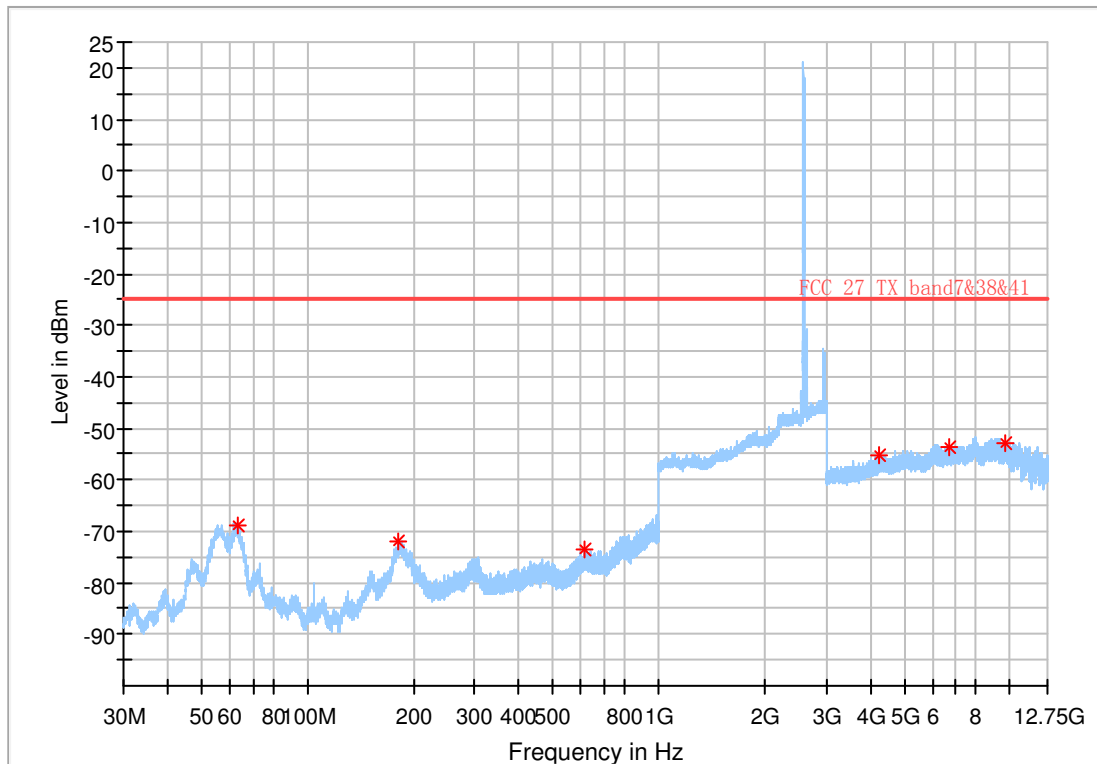
7.2.1. Test BAND = LTE Band 38

7.2.1.1. Test Mode = LTE/TM1 20MHz

7.2.1.1.1. Test Channel = LCH

7.2.1.1.1.1. Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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 (FCC Laboratory)

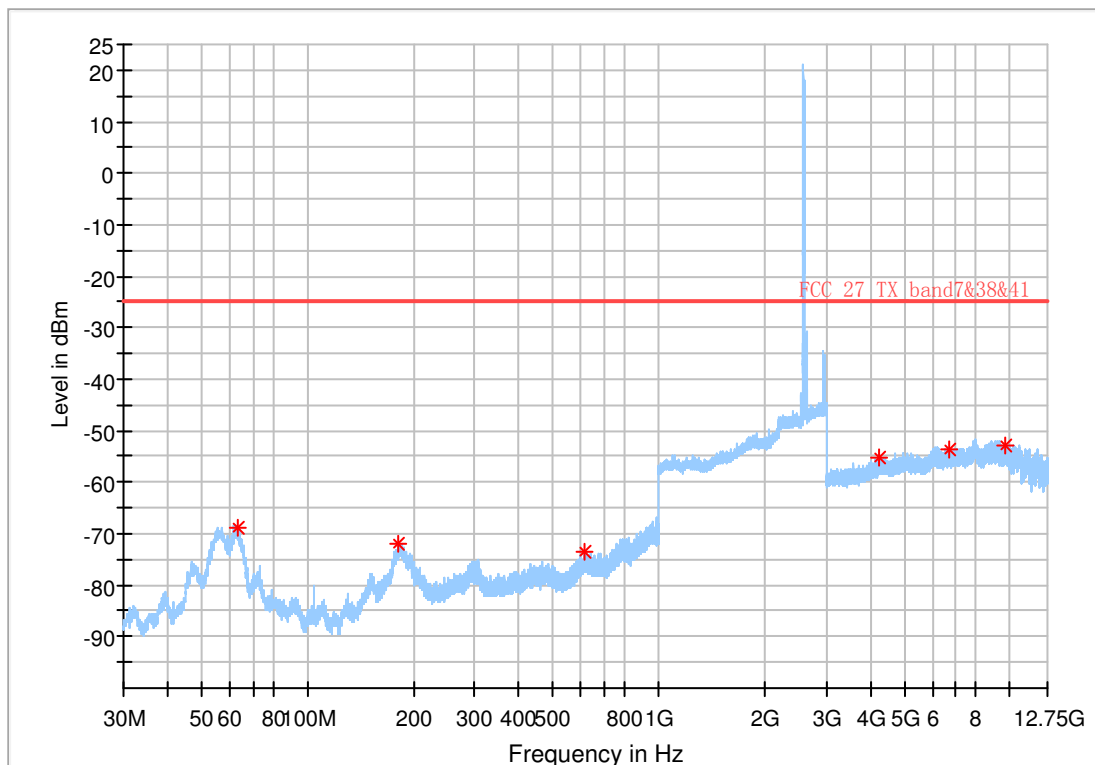
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594

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

7.2.1.1.1.2. Vertical

Full Spectrum



Critical_Freqs

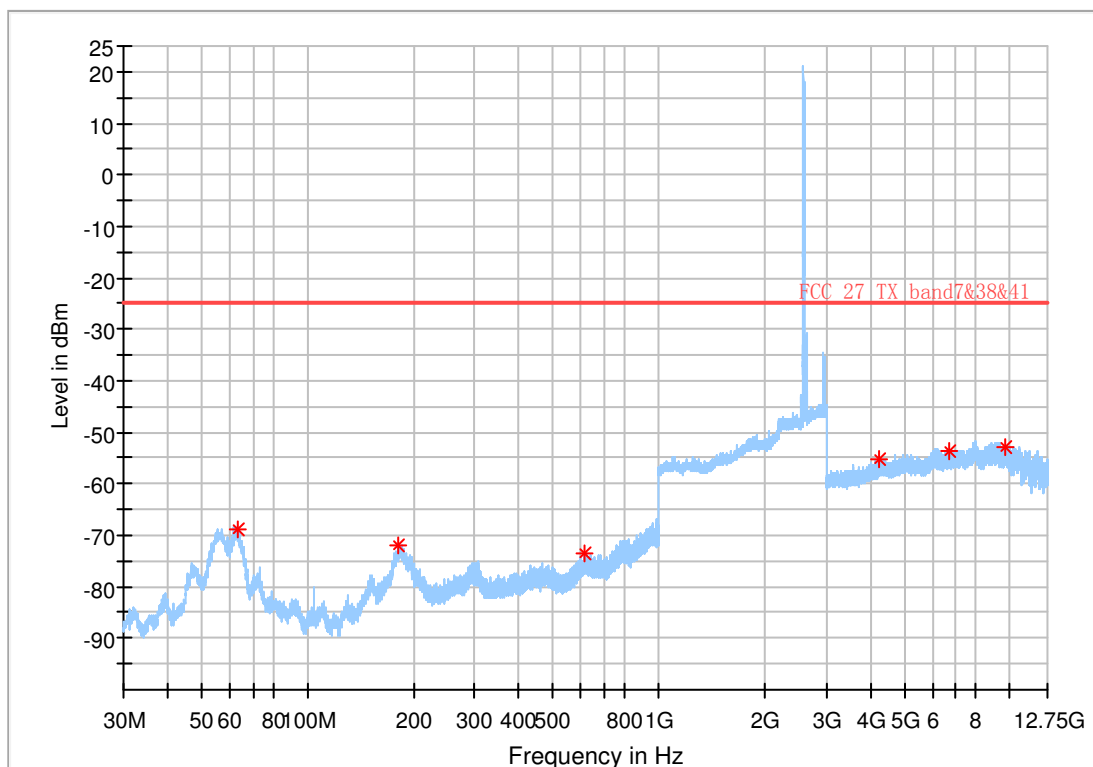
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.2.1.1.2. Test Channel = MCH

7.2.1.1.2.1. Horizontal

Full Spectrum



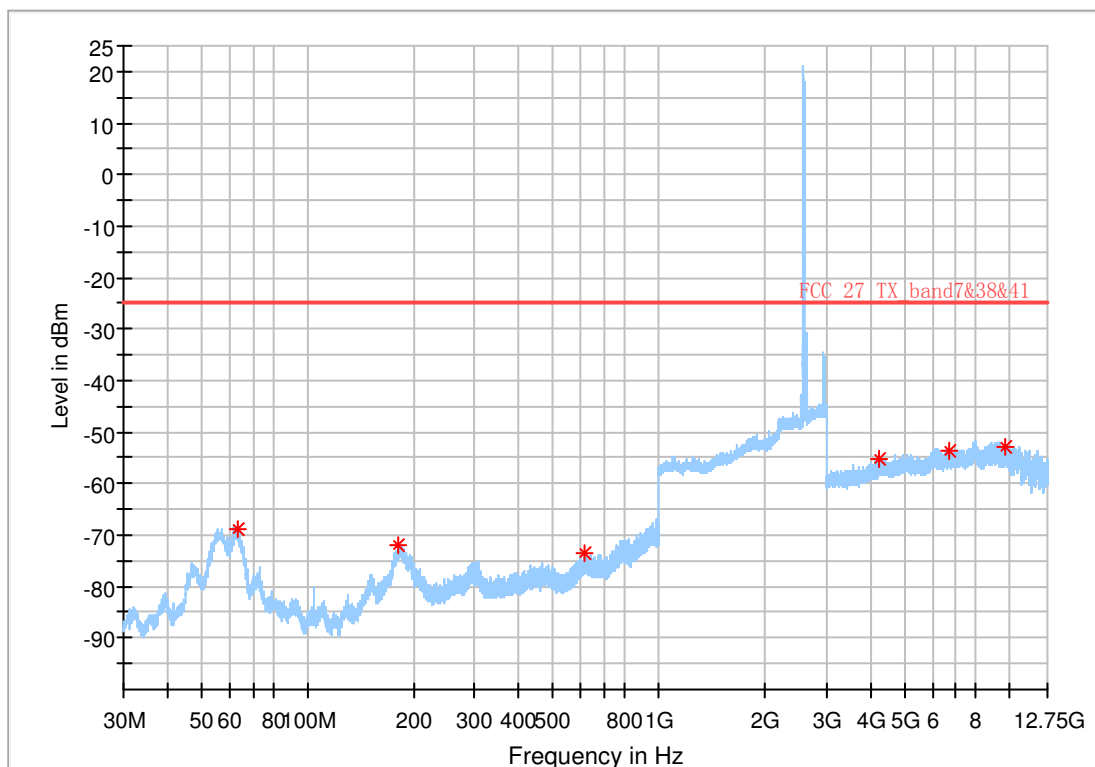
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.2.1.1.2.2. Vertical

Full Spectrum



Critical_Freqs

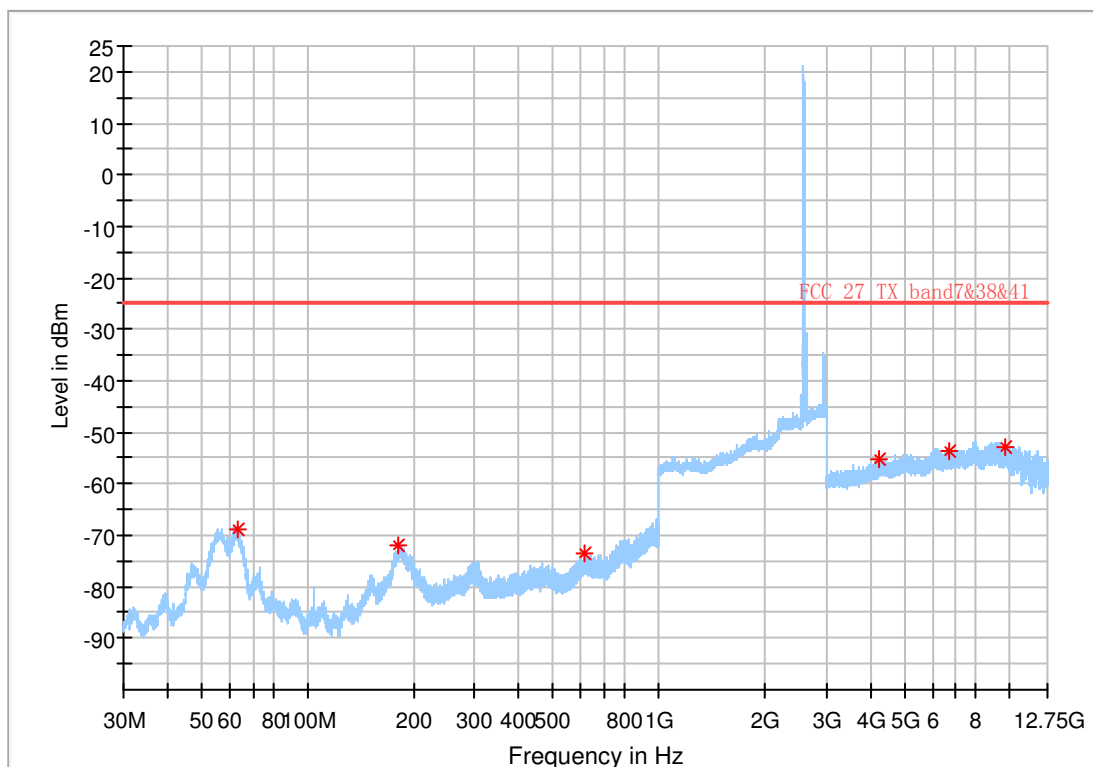
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



7.2.1.1.3. Test Channel = HCH

7.2.1.1.3.1. Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

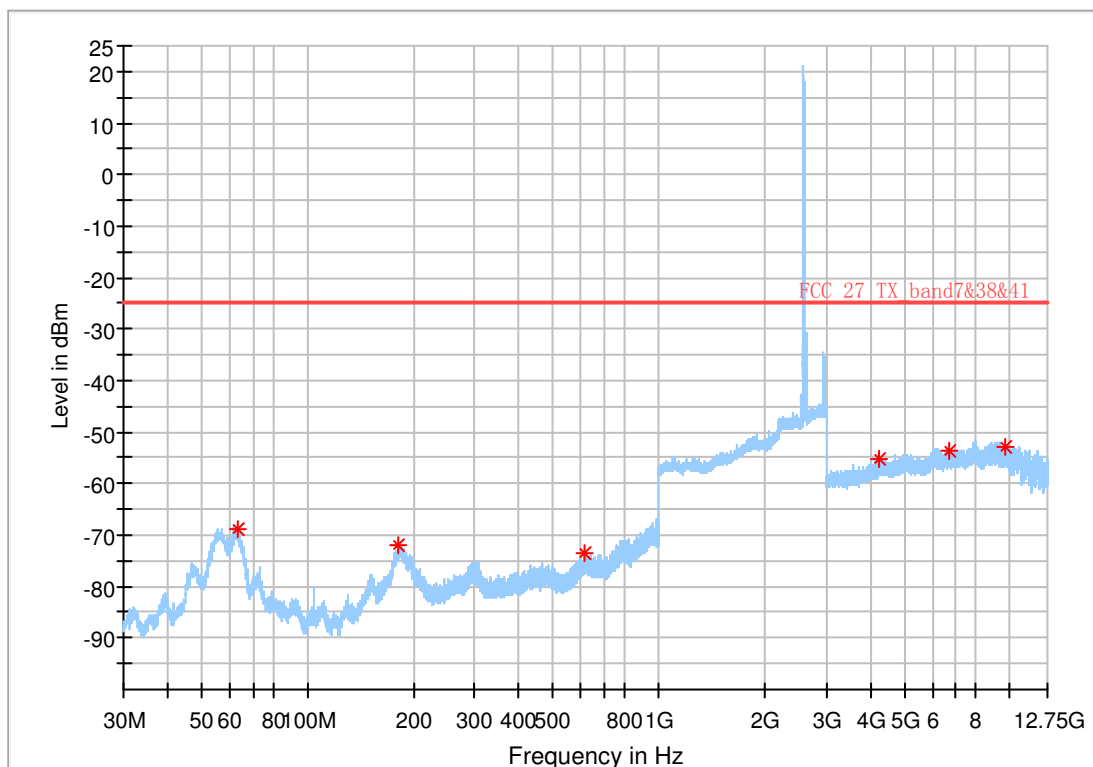


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

7.2.1.1.3.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

Remark:

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 had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.





8. Frequency Stability

8.1. Frequency Vs Voltage

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	-9.86	-0.003822	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-11.59	-0.004492	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-10.60	-0.004109	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-11.29	-0.004351	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-11.00	-0.004239	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-12.86	-0.004956	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-13.86	-0.005310	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-11.63	-0.004456	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-12.87	-0.004931	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-11.14	-0.004318	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-9.46	-0.003667	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-10.67	-0.004136	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-11.12	-0.004285	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-11.76	-0.004532	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-11.72	-0.004516	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-12.36	-0.004736	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-11.63	-0.004456	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-13.88	-0.005318	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-10.10	-0.003915	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-11.89	-0.004609	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-9.60	-0.003721	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-12.95	-0.004990	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-13.03	-0.005021	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-12.77	-0.004921	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-11.54	-0.004421	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-12.30	-0.004713	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-10.16	-0.003893	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature



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



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	-10.43	-0.004043	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-10.07	-0.003903	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-11.17	-0.004329	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-9.07	-0.003516	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-10.47	-0.004058	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-10.06	-0.003899	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-11.16	-0.004326	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-13.63	-0.005252	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-10.76	-0.004146	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-14.03	-0.005407	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-14.28	-0.005503	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-13.29	-0.005121	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-13.00	-0.005010	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-14.93	-0.005753	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-16.19	-0.006239	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-13.07	-0.005008	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-12.67	-0.004854	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-14.79	-0.005667	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-12.52	-0.004797	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-13.23	-0.005069	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-13.35	-0.005115	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-12.23	-0.004686	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-12.85	-0.004923	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-10.20	-0.003953	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-9.24	-0.003581	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-10.74	-0.004163	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-9.98	-0.003868	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-9.13	-0.003539	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-11.19	-0.004337	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-10.00	-0.003876	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-9.33	-0.003616	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-12.10	-0.004663	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-10.91	-0.004204	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-12.52	-0.004825	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-11.93	-0.004597	±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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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	20	-11.44	-0.004408	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-13.53	-0.005214	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	-12.42	-0.004786	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-14.56	-0.005611	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-12.57	-0.004816	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-14.36	-0.005502	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-15.38	-0.005893	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-14.12	-0.005410	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-14.66	-0.005617	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-13.59	-0.005207	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-12.42	-0.004759	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-12.97	-0.004969	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-10.46	-0.004054	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-10.80	-0.004186	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-9.90	-0.003837	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-10.74	-0.004163	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-10.76	-0.004171	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-10.56	-0.004093	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-10.57	-0.004097	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-12.82	-0.004940	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-15.29	-0.005892	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-12.56	-0.004840	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-12.19	-0.004697	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-12.73	-0.004906	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-11.50	-0.004432	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-13.19	-0.005083	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-13.05	-0.005029	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-11.34	-0.004345	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-10.87	-0.004165	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-12.75	-0.004885	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-11.66	-0.004467	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-11.09	-0.004249	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-12.32	-0.004720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-11.42	-0.004375	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-11.57	-0.004433	±2.5	PASS

The End



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

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

Member of the SGS Group (SGS SA)



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