



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	3
1.1. Test Result	3
2. PEAK-TO-AVERAGE RATIO(CCDF).....	8
2.1. Test Result	8
2.2. Test Plots.....	8
3. MODULATION CHARACTERISTICS	12
3.1. Test BAND = LTE BAND38	12
3.1.1. Test Mode = LTE /TM1 20MHz.....	12
3.1.1.1. Test Channel = MCH.....	12
3.1.2. Test Mode = LTE /TM2 20MHz.....	13
3.1.2.1. Test Channel = MCH.....	13
4. 26dB BANDWIDTH AND OCCUPIED BANDWIDTH	14
4.1. Test Result	14
4.2. Test Plots.....	15
5. BAND EDGE COMPLIANCE.....	27
5.1. Test Plots.....	27
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	43
6.1. Test Plots.....	43
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	49
7.1. Test BAND = LTE Band38.....	49
7.1.1. Test Mode =LTE/TM1 20MHz.....	49
7.1.1.1. Test Channel = LCH.....	49
7.1.1.2. Test Channel = MCH.....	49
7.1.1.3. Test Channel = HCH.....	50
7.1.1.4. Spot check worse mode.....	50
8. FREQUENCY STABILITY.....	52
8.1. Frequency Vs Voltage	52
8.2. Frequency Vs Temperature	52



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



1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.39	25.45	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.55	25.61	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.46	25.52	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.53	24.59	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.51	24.57	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.44	24.50	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.44	24.50	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.35	25.41	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.78	25.84	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.40	25.46	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.48	24.54	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.54	24.60	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.47	24.53	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.47	24.53	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.32	25.38	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.63	25.69	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.49	25.55	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.45	24.51	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.36	24.42	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.41	24.47	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.43	24.49	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.03	24.09	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.24	24.30	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.74	23.80	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.40	23.46	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.48	23.54	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.31	23.37	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.40	23.46	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.94	24.00	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.28	24.34	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.99	24.05	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.43	23.49	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-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	5MHz	16QAM	38000	12RB#6	21.42	23.48	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.37	23.43	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.35	23.41	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.95	24.01	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.14	24.20	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.91	23.97	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.37	23.43	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.25	23.31	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.36	23.42	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.26	23.32	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.62	25.68	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.75	25.81	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.25	25.31	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.66	24.72	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.58	24.64	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.34	24.40	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.44	24.50	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.38	25.44	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.89	25.95	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.25	25.31	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.52	24.58	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.53	24.59	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.37	24.43	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.45	24.51	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.26	25.32	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.73	25.79	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.17	25.23	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.58	24.64	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.43	24.49	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.30	24.36	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.39	24.45	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.12	24.18	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.08	24.14	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.08	24.14	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.49	23.55	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.54	23.60	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.42	23.48	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.37	23.43	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	38000	1RB#0	22.09	24.15	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.19	24.25	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.03	24.09	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.37	23.43	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.43	23.49	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.55	23.61	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.31	23.37	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.94	24.00	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.22	24.28	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.01	24.07	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.50	23.56	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.40	23.46	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.37	23.43	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.34	23.40	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.54	25.60	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.65	25.71	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.20	25.26	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	22.51	24.57	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.56	24.62	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.41	24.47	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.41	24.47	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.41	25.47	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.66	25.72	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.29	25.35	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.53	24.59	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.57	24.63	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.40	24.46	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.50	24.56	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.36	25.42	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.53	25.59	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.24	25.30	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.56	24.62	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.51	24.57	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.31	24.37	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.37	24.43	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.21	24.27	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.07	24.13	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.86	23.92	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	37825	36RB#0	21.42	23.48	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.36	23.42	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	21.35	23.41	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.44	23.50	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.10	24.16	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.95	24.01	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.98	24.04	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.47	23.53	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.34	23.40	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	21.47	23.53	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.43	23.49	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.27	24.33	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.82	23.88	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.05	24.11	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	21.32	23.38	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	21.44	23.50	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	21.27	23.33	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.30	23.36	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.48	25.54	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.86	25.92	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.03	25.09	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.55	24.61	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.64	24.70	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.34	24.40	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.47	24.53	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.32	25.38	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.88	25.94	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.12	25.18	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.55	24.61	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.57	24.63	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.36	24.42	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.40	24.46	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.44	25.50	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.68	25.74	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.14	25.20	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.59	24.65	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.57	24.63	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.32	24.38	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	20MHz	QPSK	38150	100RB#0	22.41	24.47	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.20	24.26	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.41	24.47	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.91	23.97	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.38	23.44	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.38	23.44	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.30	23.36	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.42	23.48	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.92	23.98	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.17	24.23	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.98	24.04	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.38	23.44	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.33	23.39	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.42	23.48	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.48	23.54	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.17	24.23	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.19	24.25	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.03	24.09	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.45	23.51	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.33	23.39	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.26	23.32	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.39	23.45	33.00	PASS

REMARK:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b: SGP=Signal Generator Level



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

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

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

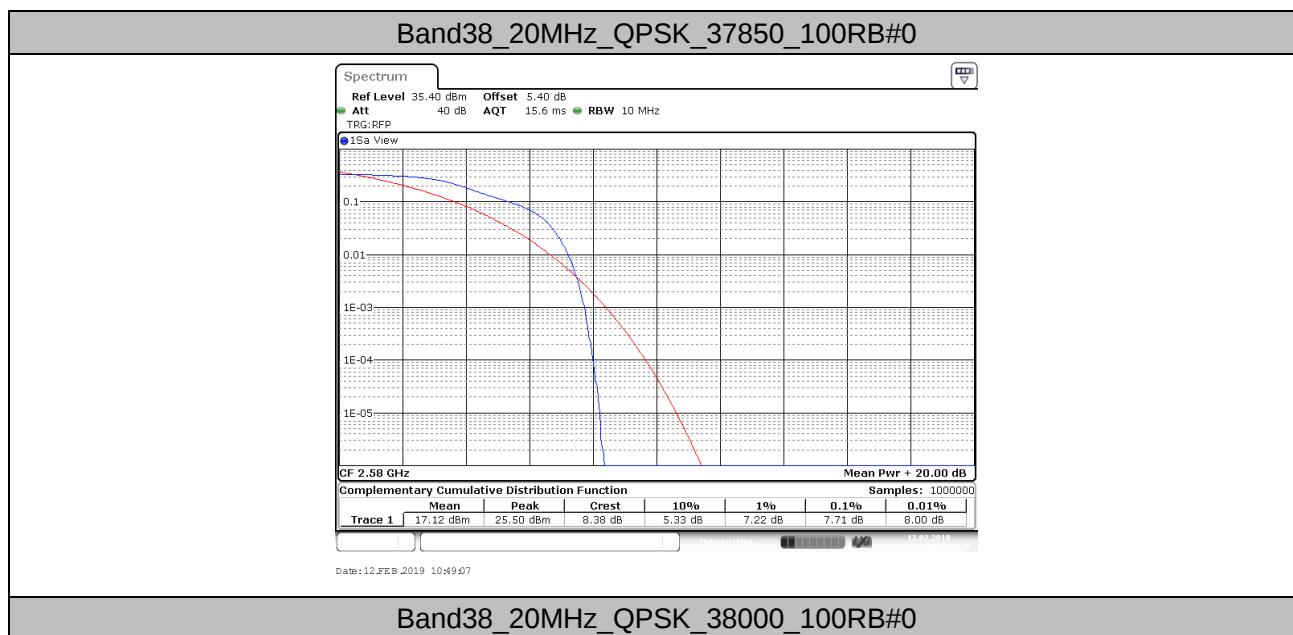


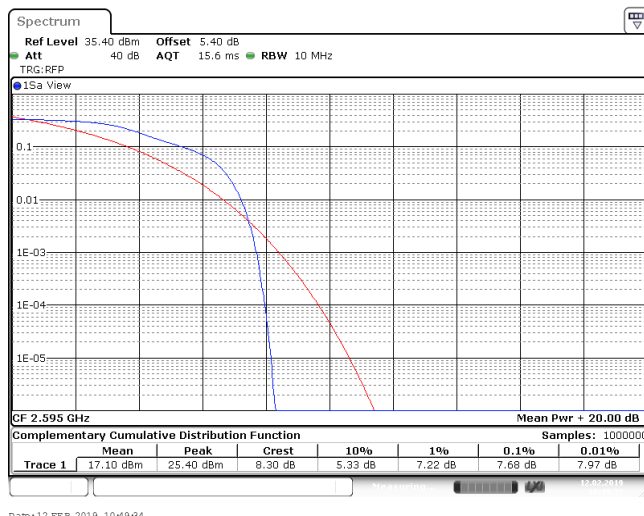
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	7.71	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.68	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	7.77	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.42	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.39	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.39	13	PASS

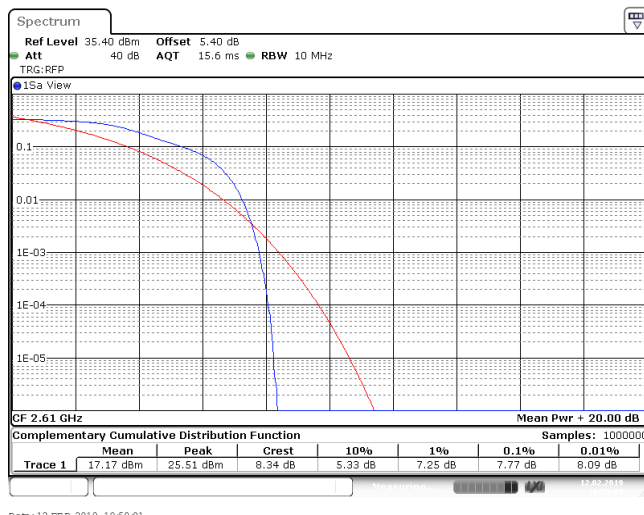
2.2. Test Plots





Date: 12 FEB 2019 10:49:34

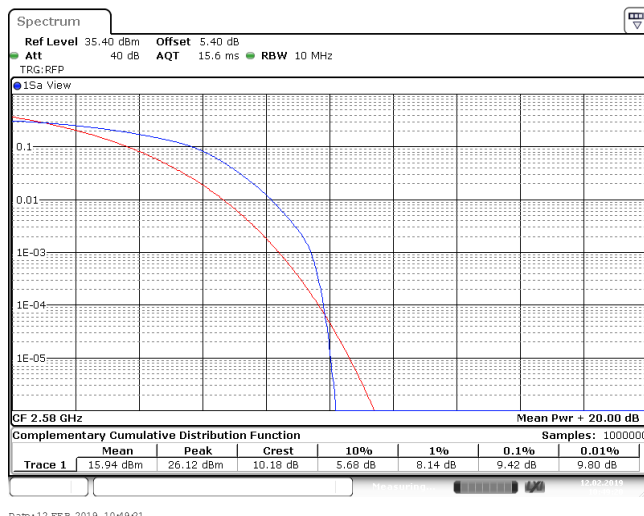
Band38_20MHz_QPSK_38150_100RB#0



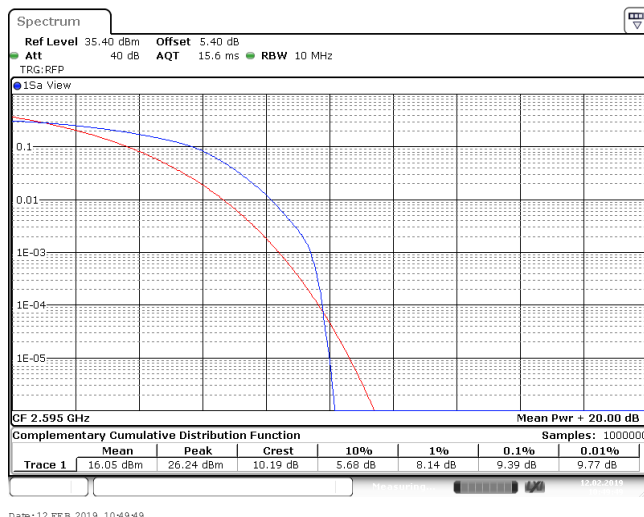
Date: 12 FEB 2019 10:50:01

Band38_20MHz_16QAM_37850_100RB#0



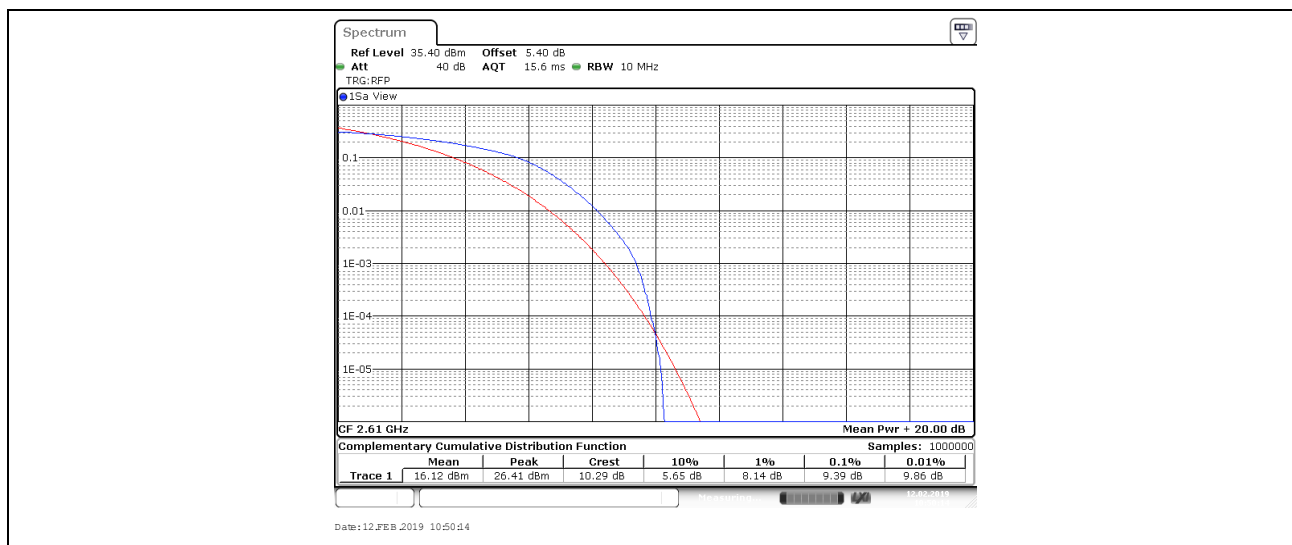


Band38_20MHz_16QAM_38000_100RB#0



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.

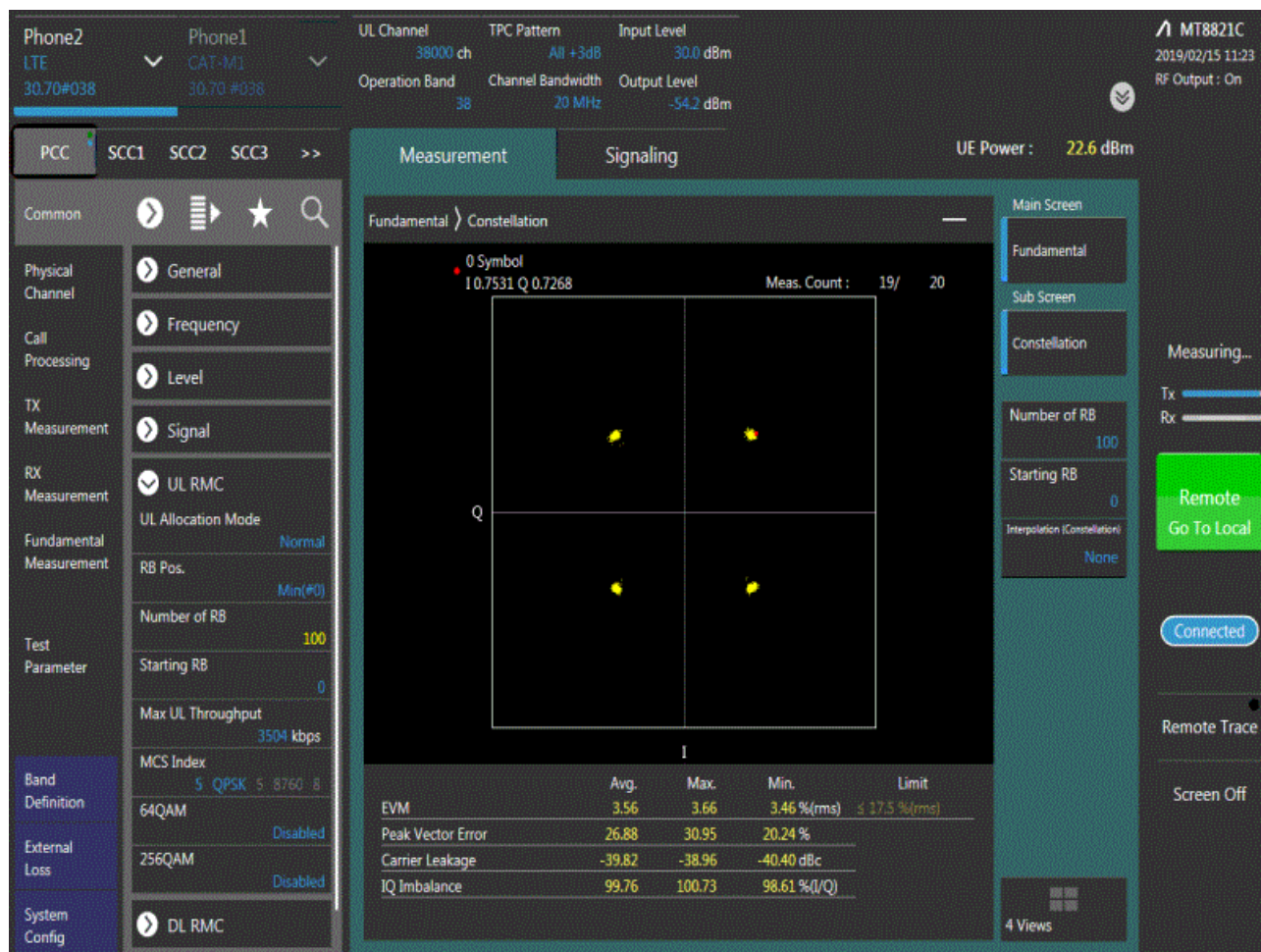
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3. Modulation Characteristics

3.1. Test BAND = LTE BAND38

3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



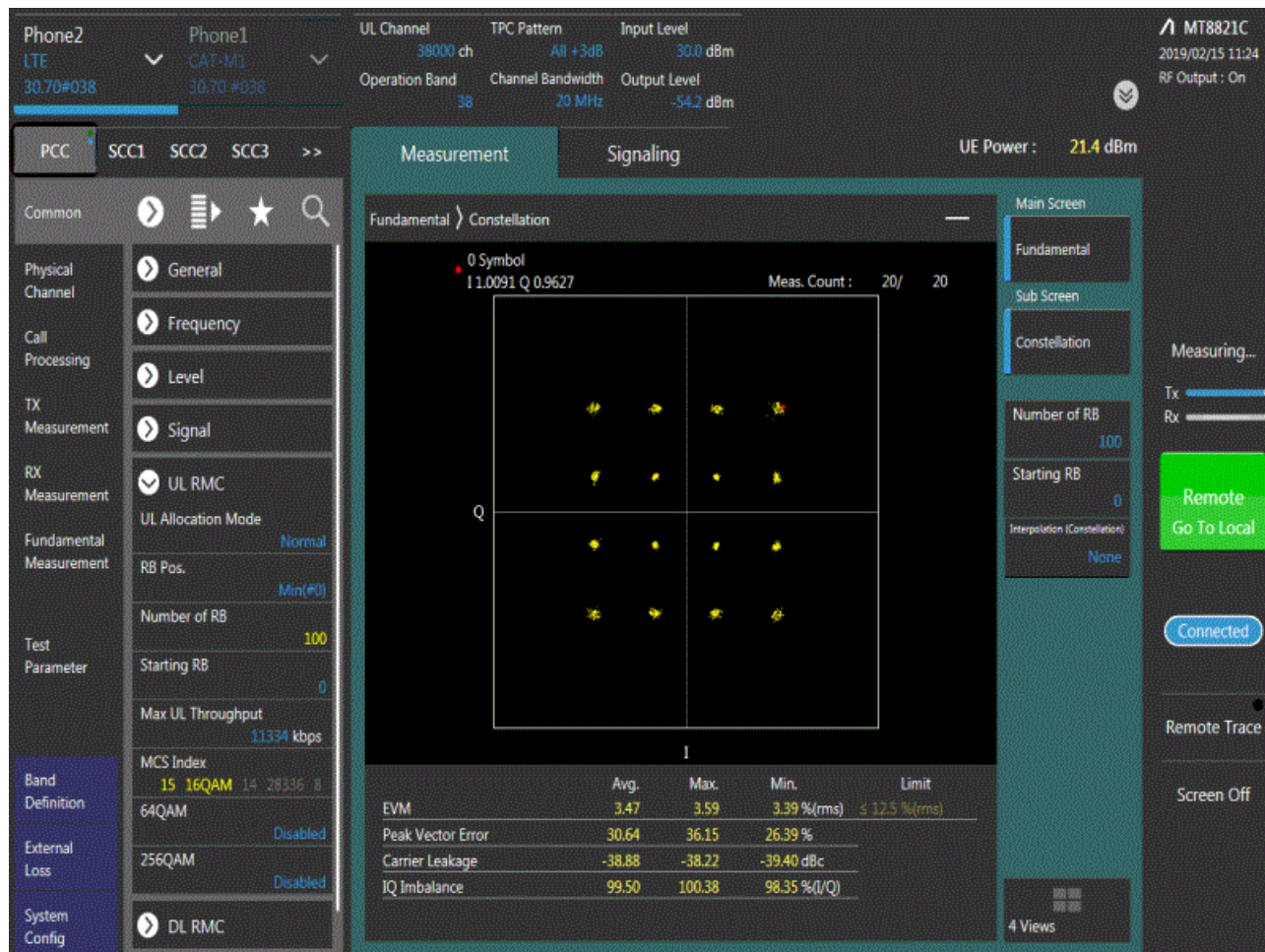
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. 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	4.820	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	4.780	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	4.800	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.486	4.850	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.486	4.840	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.486	4.830	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.911	9.460	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.911	9.480	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.911	9.420	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.911	9.360	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.911	9.380	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.911	9.380	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.457	14.370	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.457	14.310	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.457	14.340	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.457	14.310	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.457	14.310	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.457	14.280	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.822	18.840	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.822	18.840	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.822	18.800	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.822	18.800	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.822	18.840	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.822	18.800	PASS



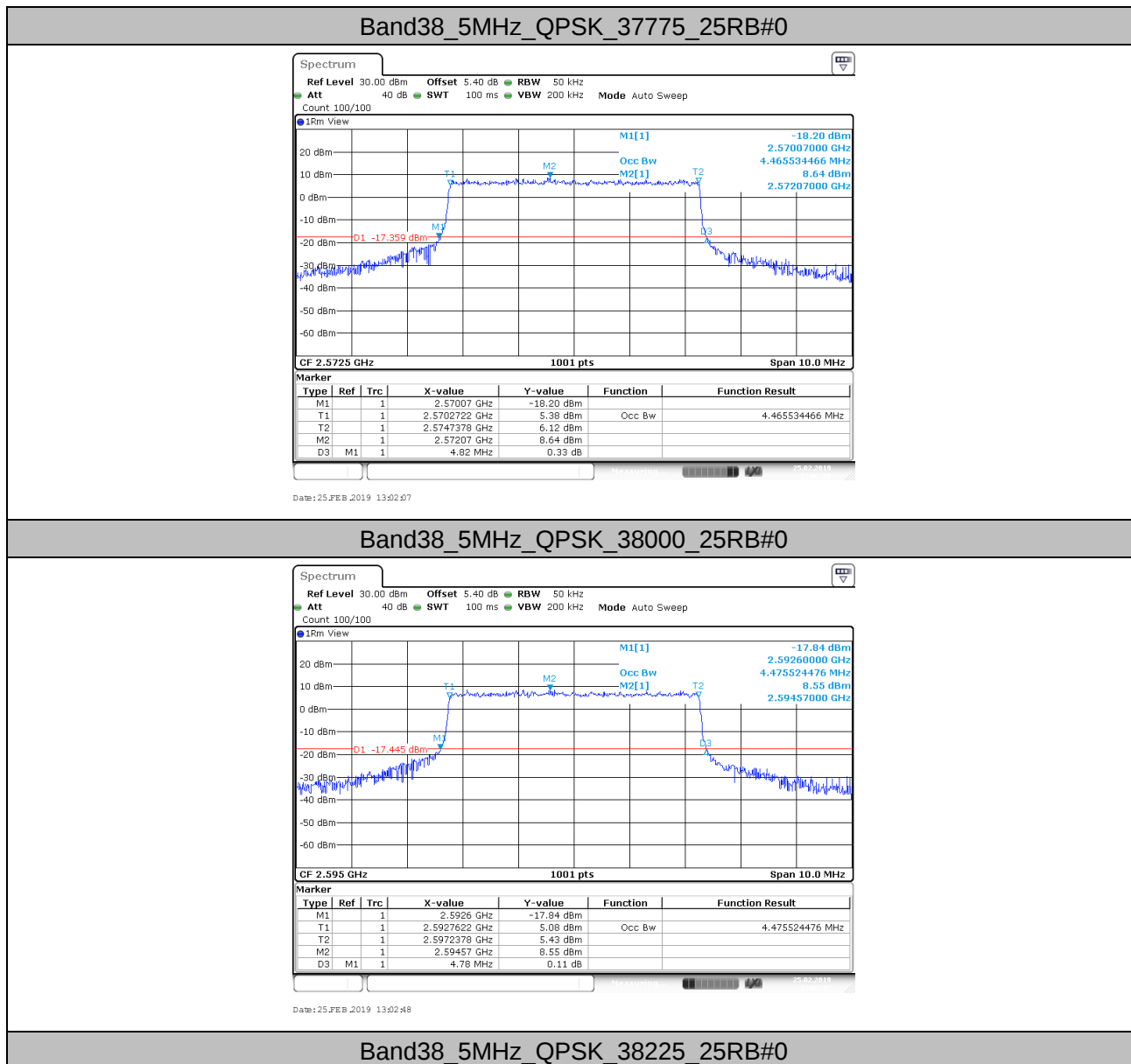
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

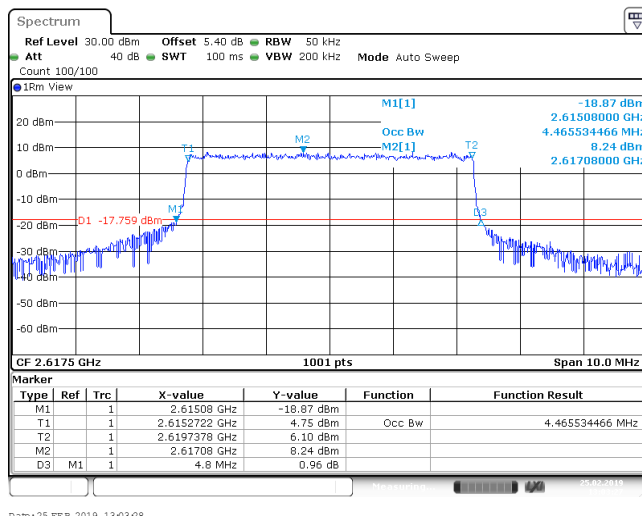
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

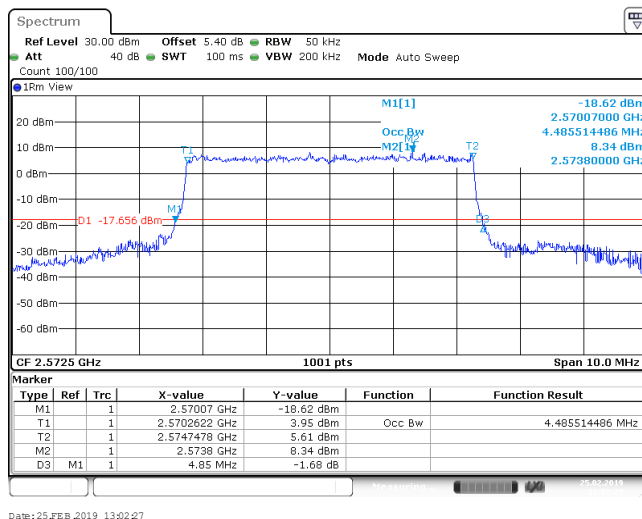
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.2. Test Plots



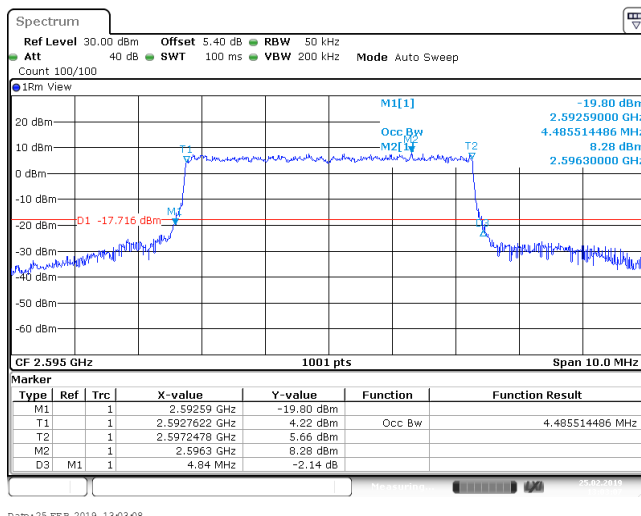


Band38_5MHz_16QAM_37775_25RB#0



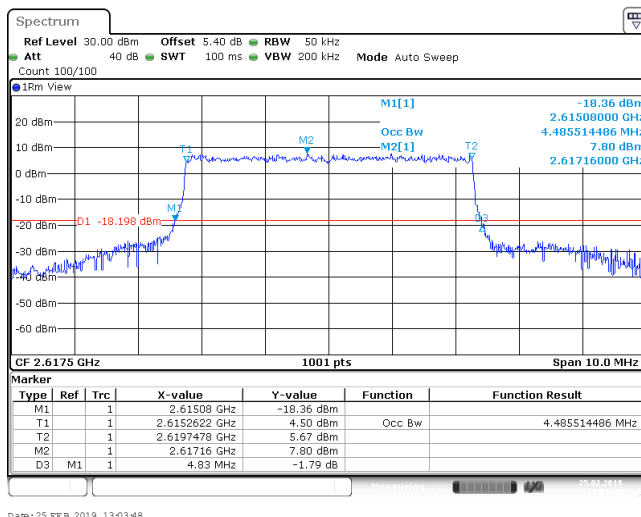
Band38_5MHz_16QAM_38000_25RB#0





Date: 25 FEB 2019 13:03:08

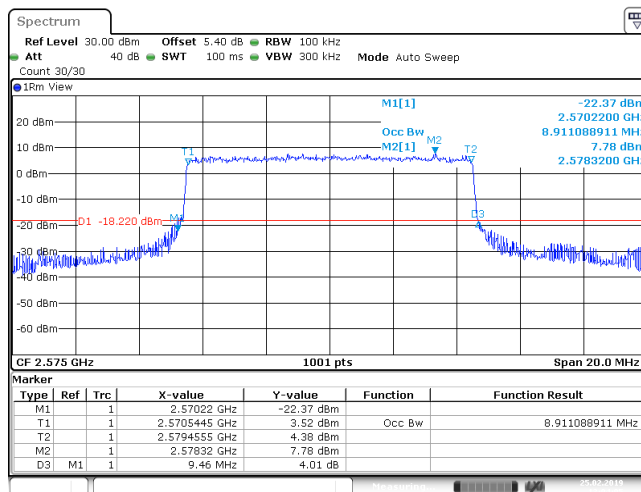
Band38_5MHz_16QAM_38225_25RB#0



Date: 25 FEB 2019 13:03:48

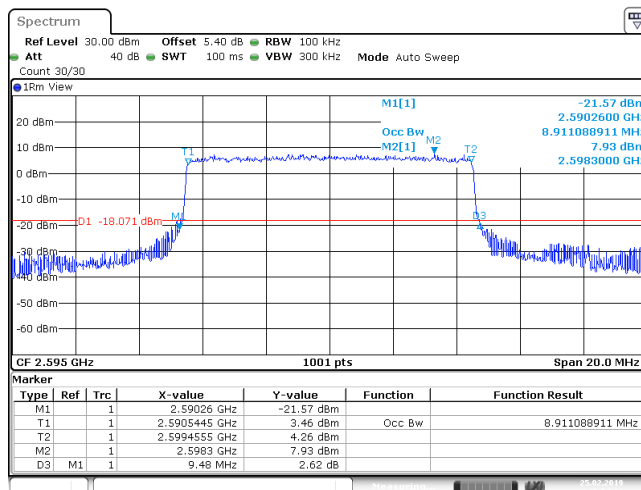
Band38_10MHz_QPSK_37800_50RB#0





Date: 25 FEB 2019 13:04:06

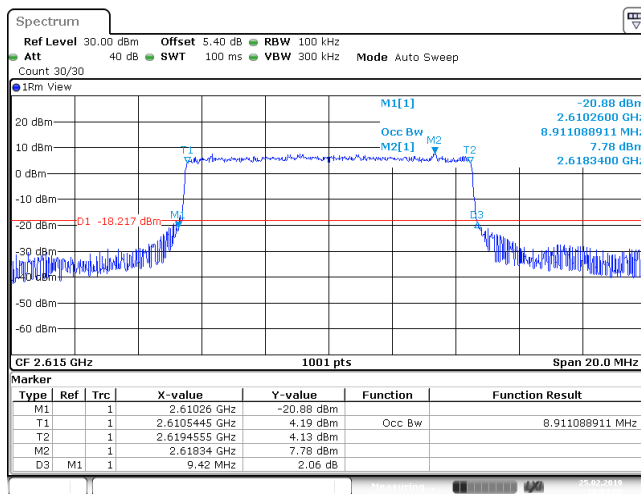
Band38_10MHz_QPSK_38000_50RB#0



Date: 25 FEB 2019 13:04:32

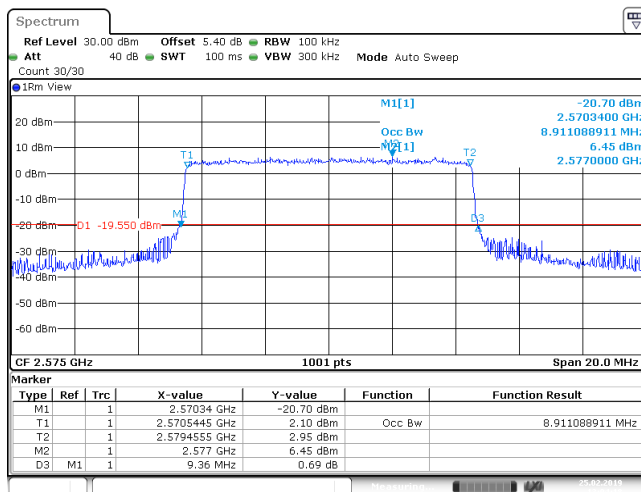
Band38_10MHz_QPSK_38200_50RB#0





Date: 25 FEB 2019 13:04:59

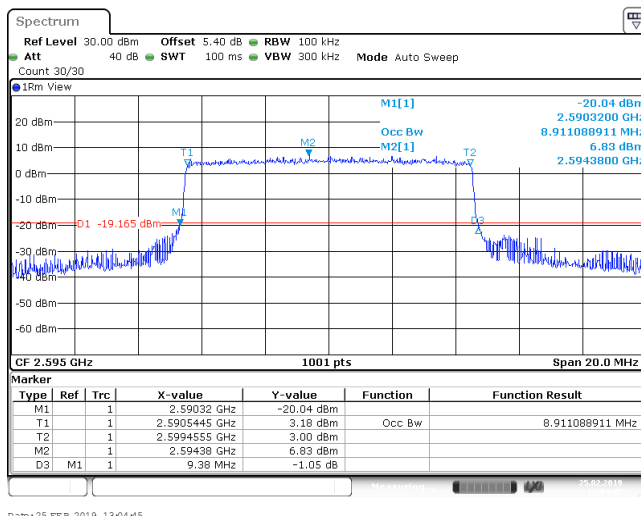
Band38_10MHz_16QAM_37800_50RB#0



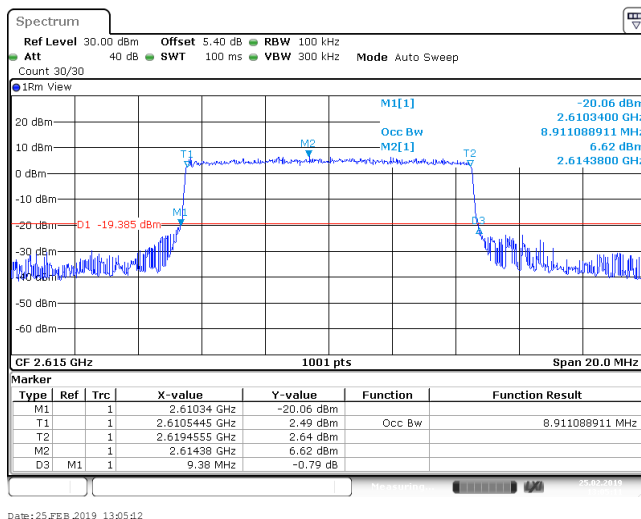
Date: 25 FEB 2019 13:04:19

Band38_10MHz_16QAM_38000_50RB#0



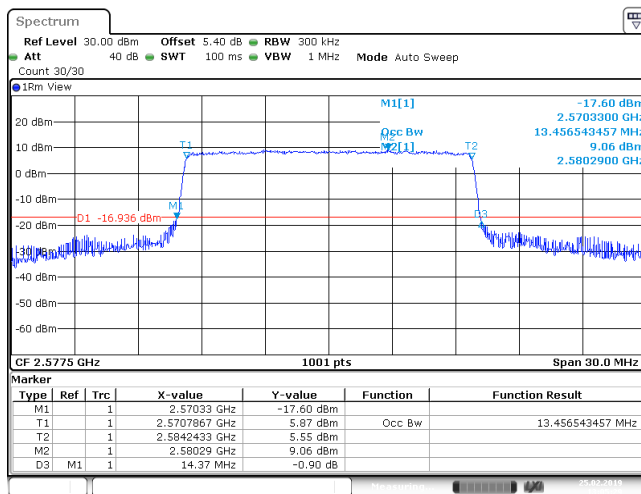


Band38_10MHz_16QAM_38200_50RB#0



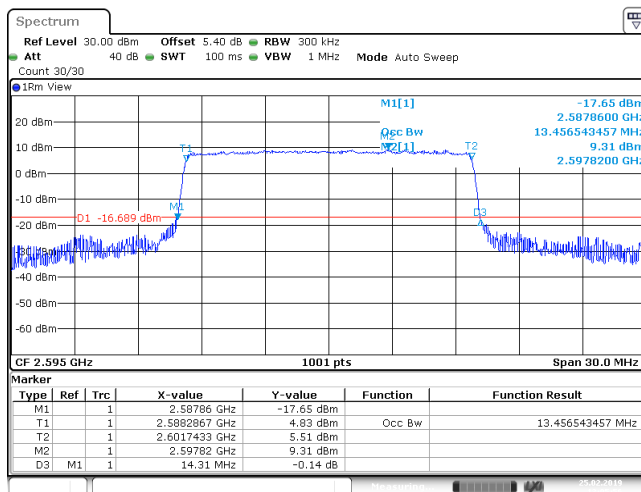
Band38_15MHz_QPSK_37825_75RB#0





Date: 25 FEB 2019 13:05:29

Band38_15MHz_QPSK_38000_75RB#0



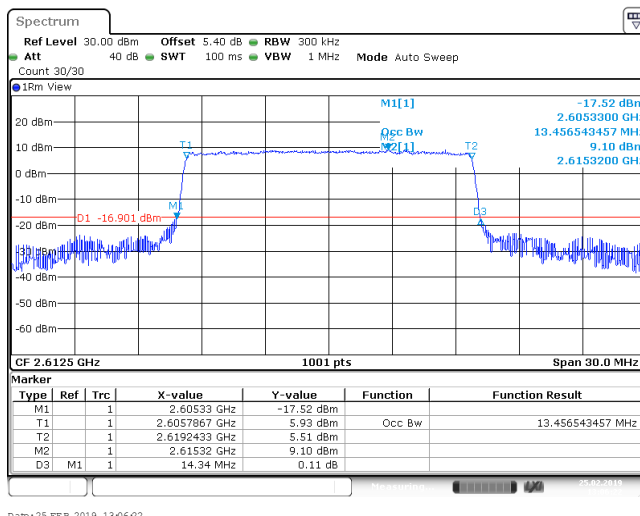
Date: 25 FEB 2019 13:05:56

Band38_15MHz_QPSK_38175_75RB#0



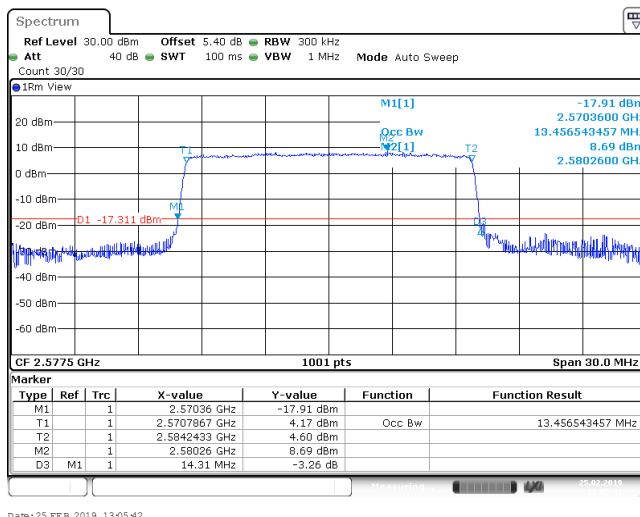
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: 25 FEB 2019 13:06:22

Band38_15MHz_16QAM_37825_75RB#0



Date: 25 FEB 2019 13:05:42

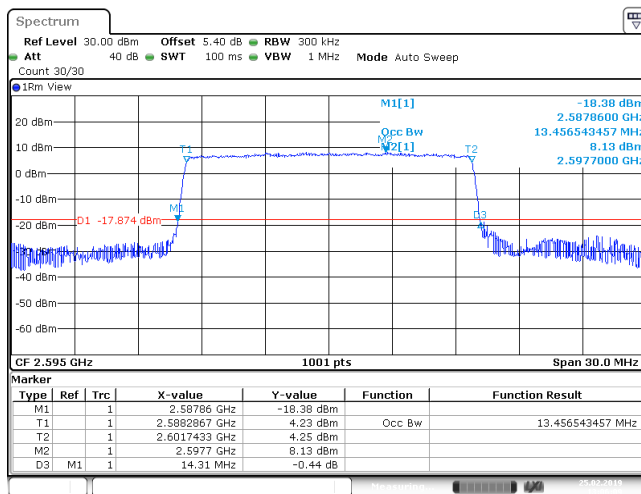
Band38_15MHz_16QAM_38000_75RB#0



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

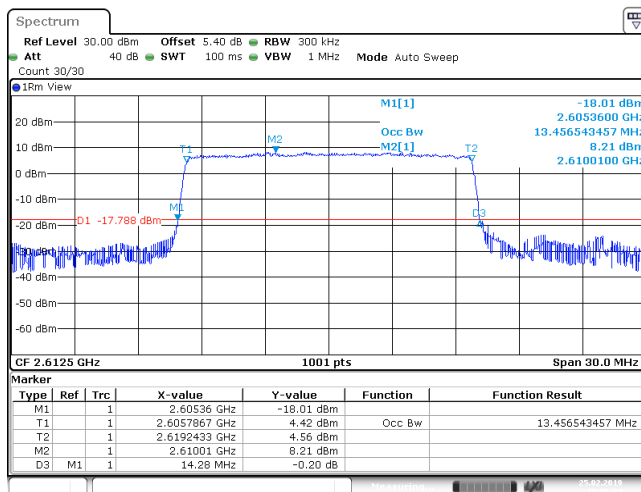
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 25 FEB 2019 13:06:09

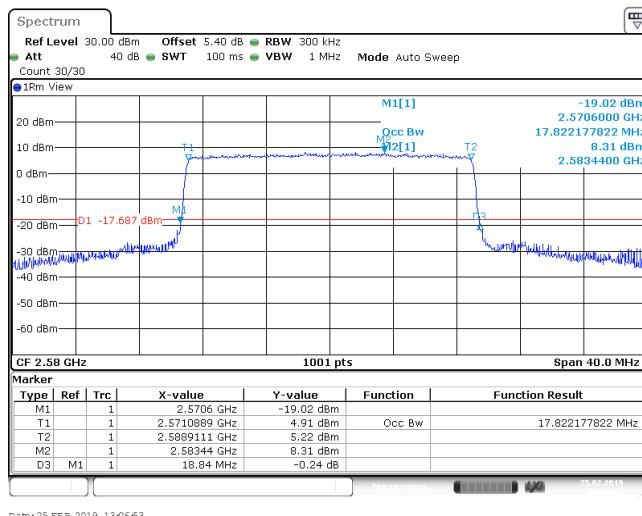
Band38_15MHz_16QAM_38175_75RB#0



Date: 25 FEB 2019 13:06:35

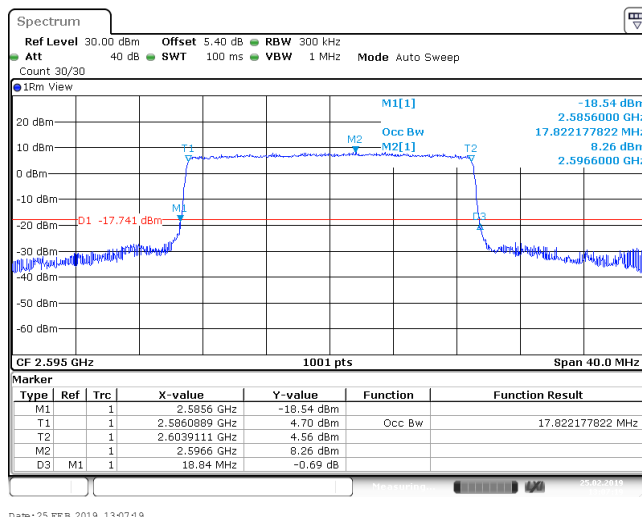
Band38_20MHz_QPSK_37850_100RB#0





Date: 25 FEB 2019 13:06:53

Band38_20MHz_QPSK_38000_100RB#0



Date: 25 FEB 2019 13:07:19

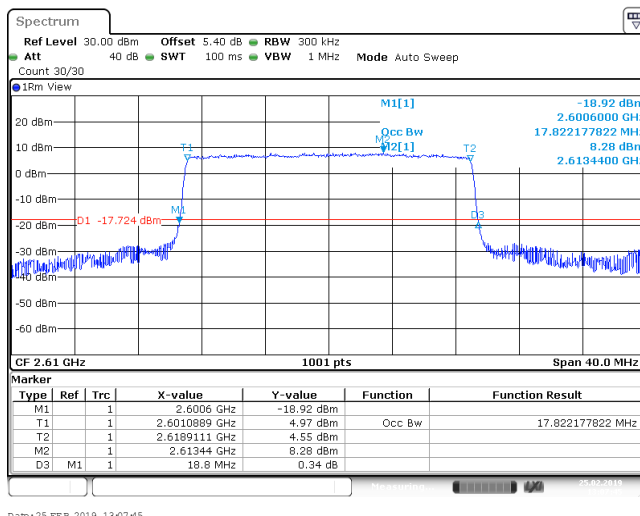
Band38_20MHz_QPSK_38150_100RB#0



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

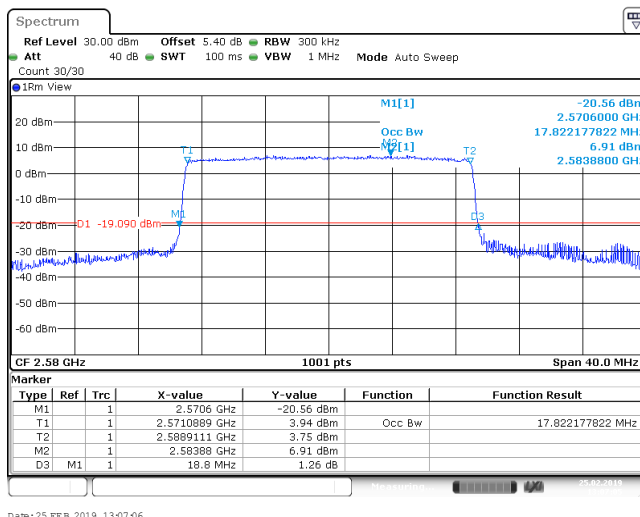
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: 25 FEB 2019 13:07:45

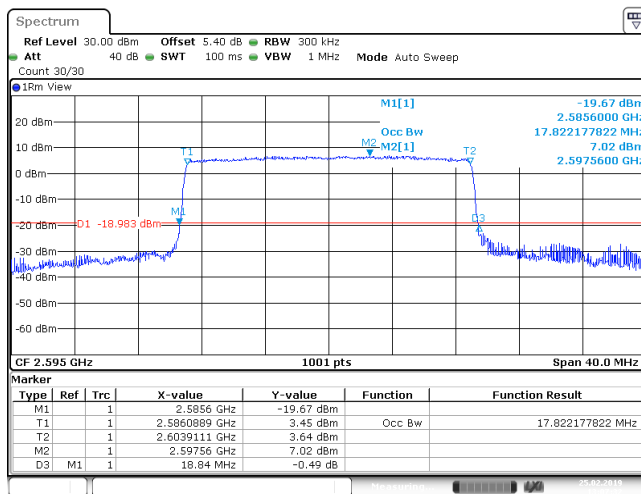
Band38_20MHz_16QAM_37850_100RB#0



Date: 25 FEB 2019 13:07:06

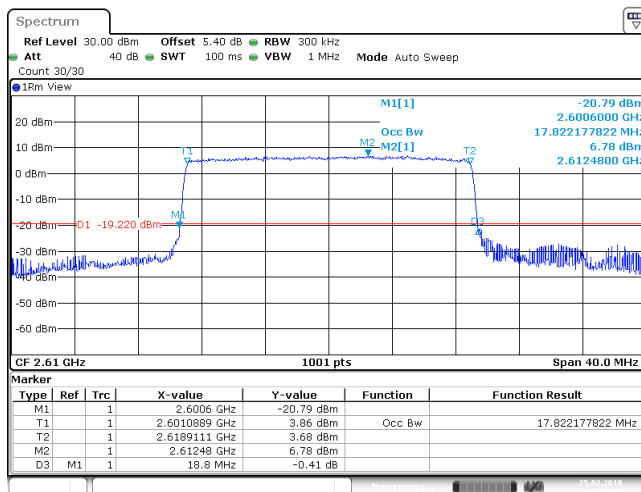
Band38_20MHz_16QAM_38000_100RB#0





Date: 25 FEB 2019 13:07:32

Band38_20MHz_16QAM_38150_100RB#0



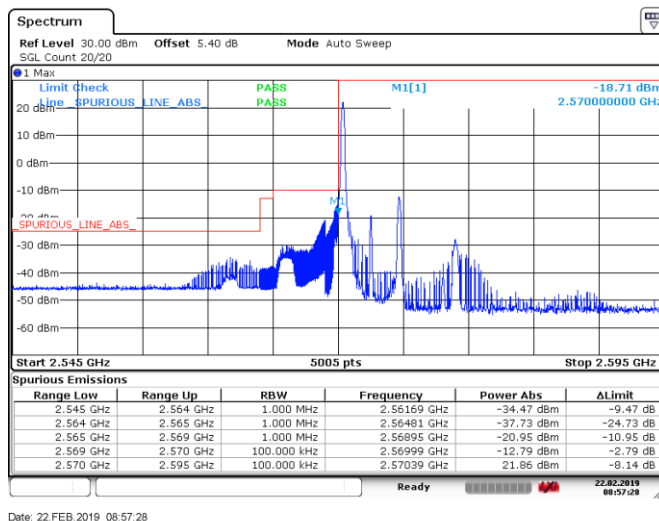
Date: 25 FEB 2019 13:07:59



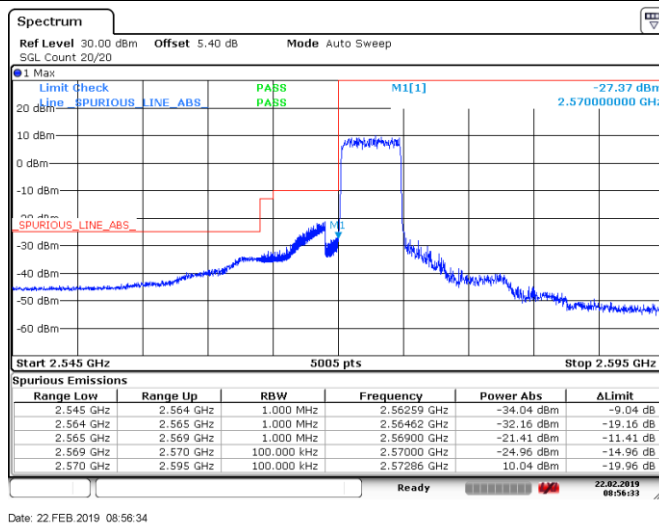
5. Band Edge Compliance

5.1. Test Plots

Band38_5MHz_QPSK_37775_1RB#0

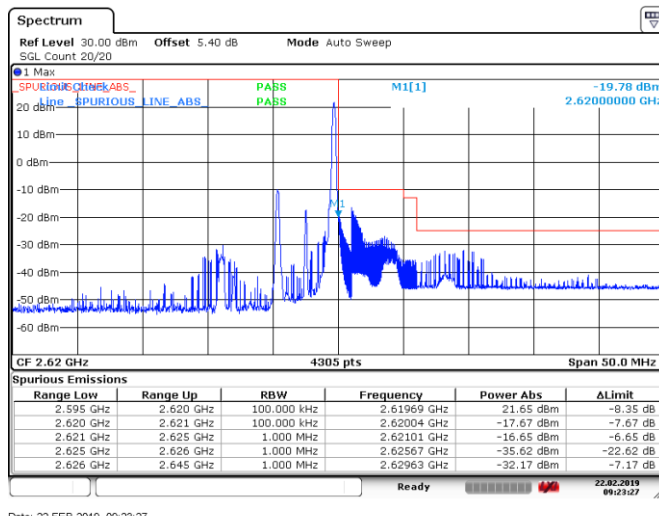


Band38_5MHz_QPSK_37775_25RB#0



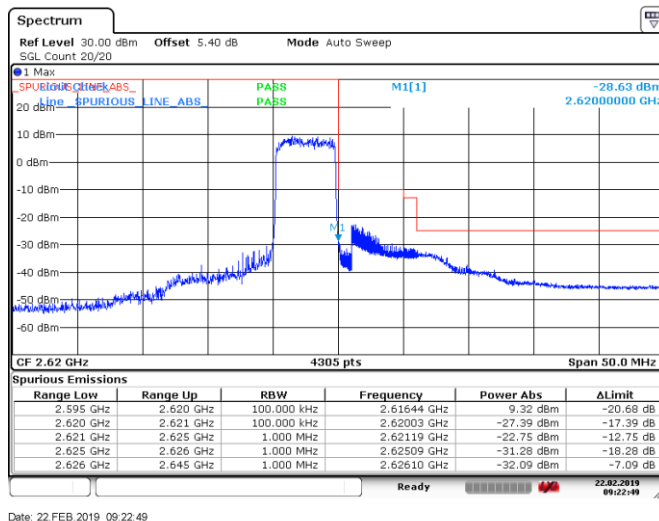
Band38_5MHz_QPSK_38225_1RB#24





Date: 22.FEB.2019 09:23:27

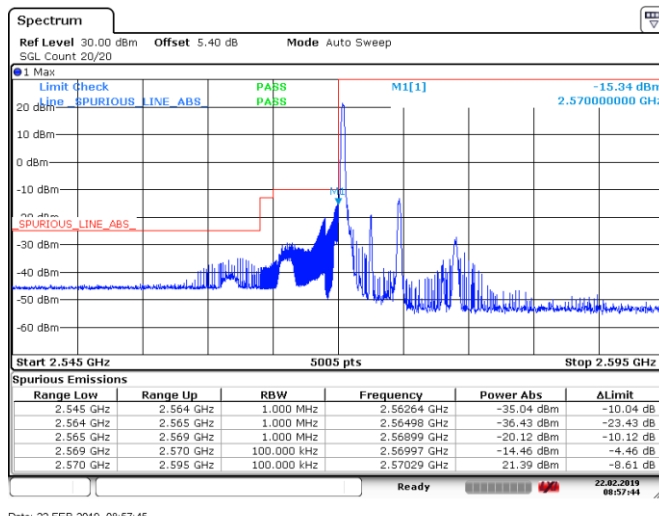
Band38_5MHz_QPSK_38225_25RB#0



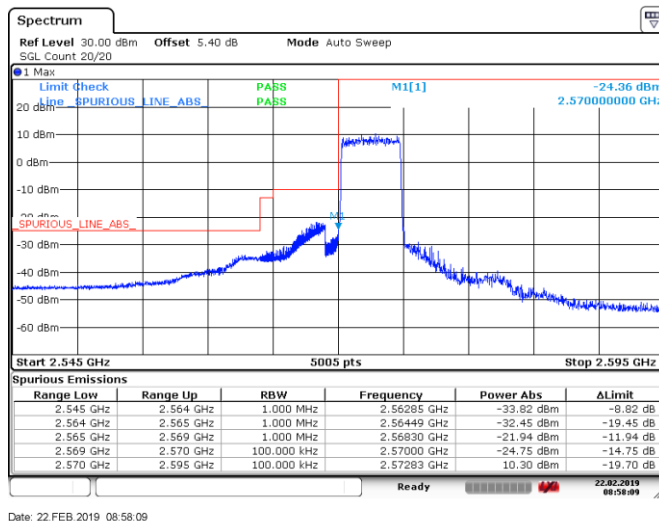
Date: 22.FEB.2019 09:22:49

Band38_5MHz_16QAM_37775_1RB#0



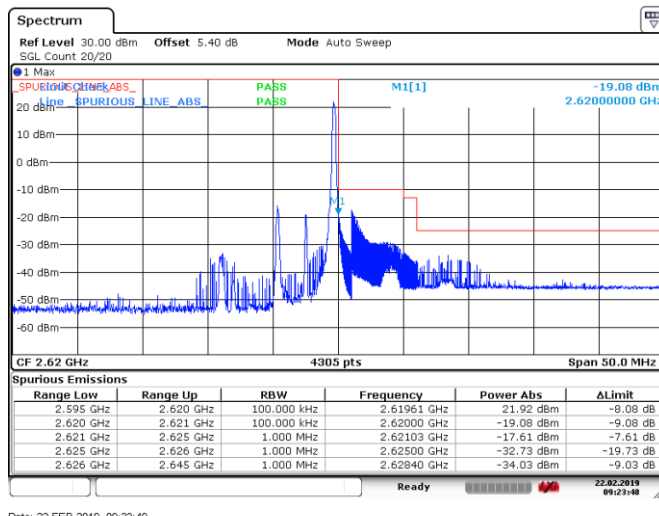


Band38_5MHz_16QAM_37775_25RB#0



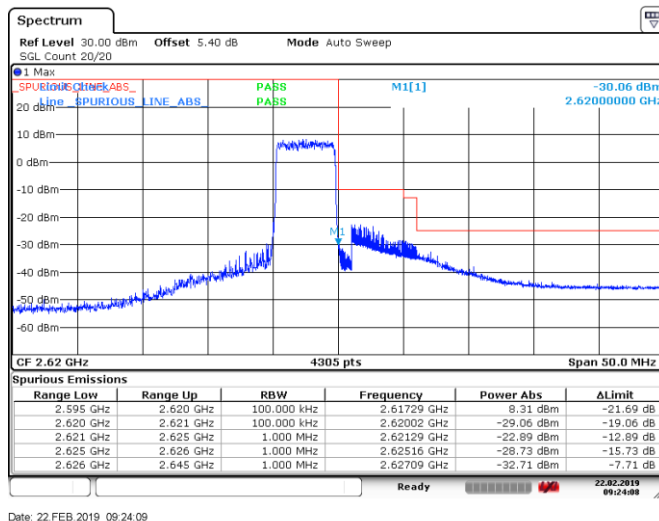
Band38_5MHz_16QAM_38225_1RB#24





Date: 22.FEB.2019 09:23:49

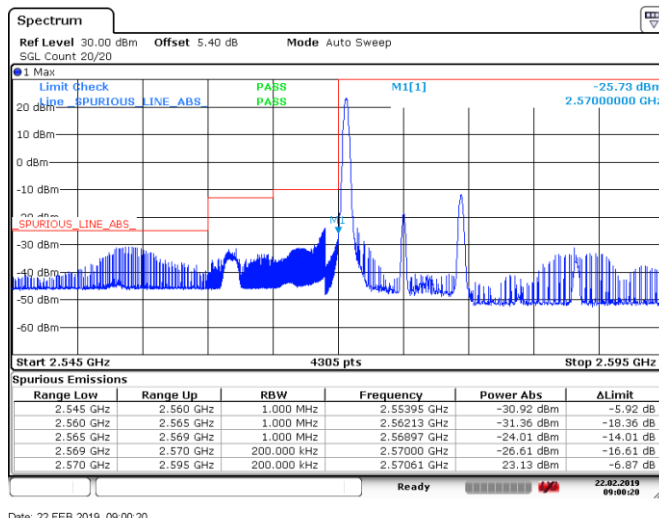
Band38_5MHz_16QAM_38225_25RB#0



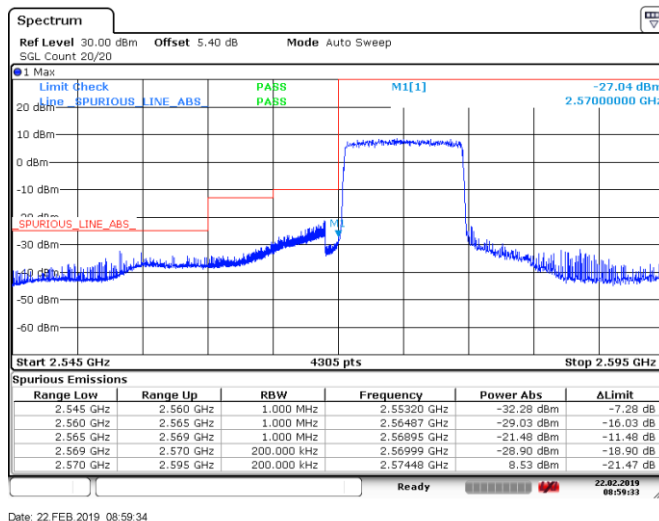
Date: 22.FEB.2019 09:24:09

Band38_10MHz_QPSK_37800_1RB#0



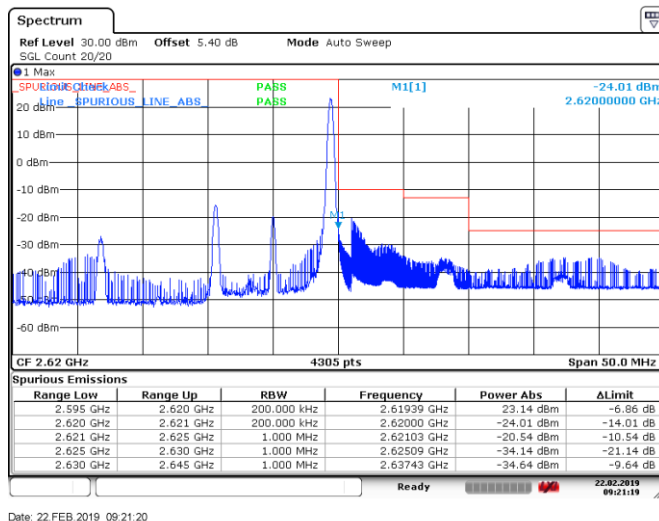


Band38_10MHz_QPSK_37800_50RB#0

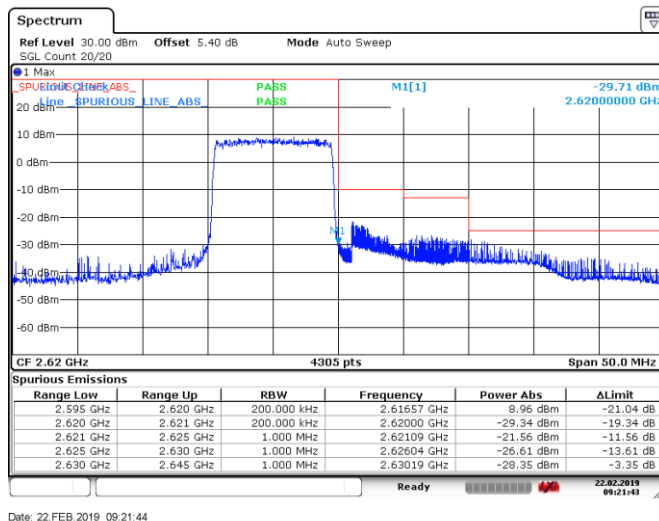


Band38_10MHz_QPSK_38200_1RB#49



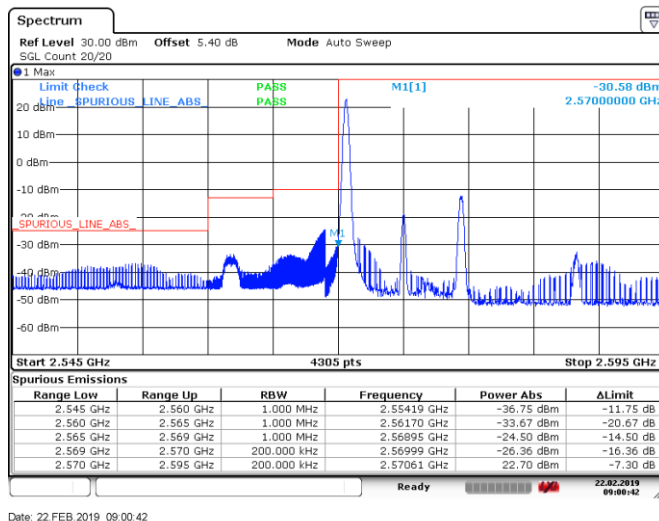


Band38_10MHz_QPSK_38200_50RB#0

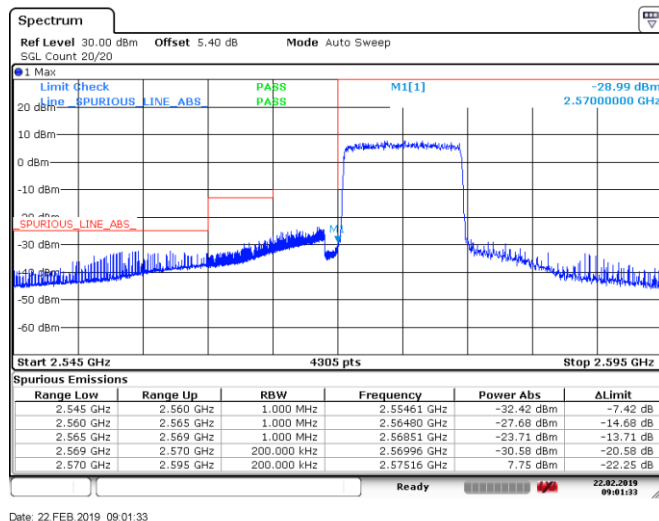


Band38_10MHz_16QAM_37800_1RB#0



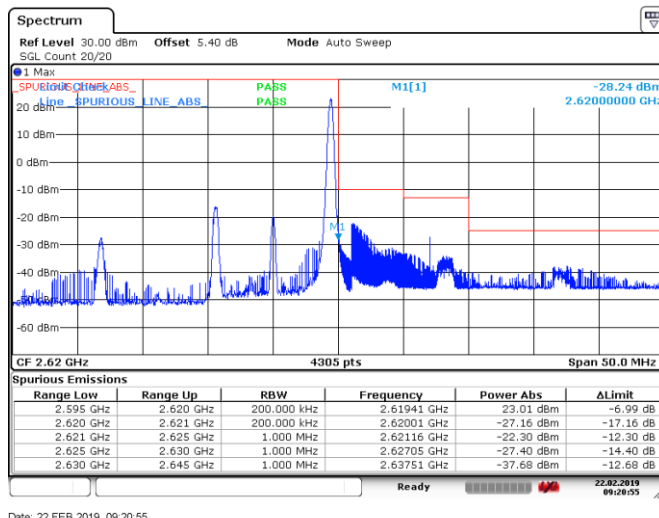


Band38_10MHz_16QAM_37800_50RB#0

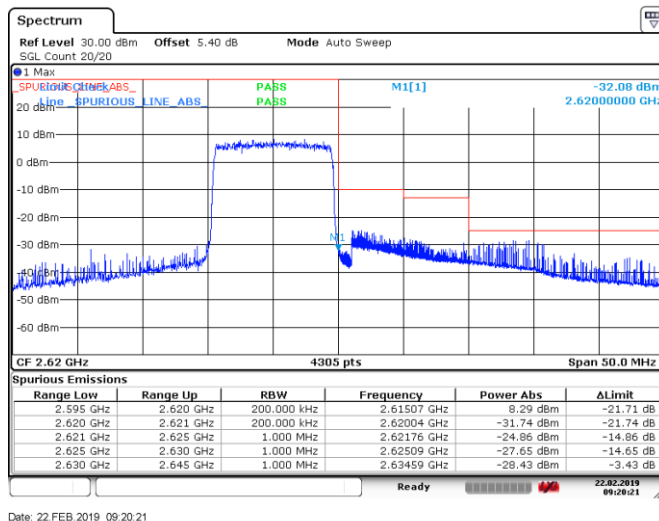


Band38_10MHz_16QAM_38200_1RB#49



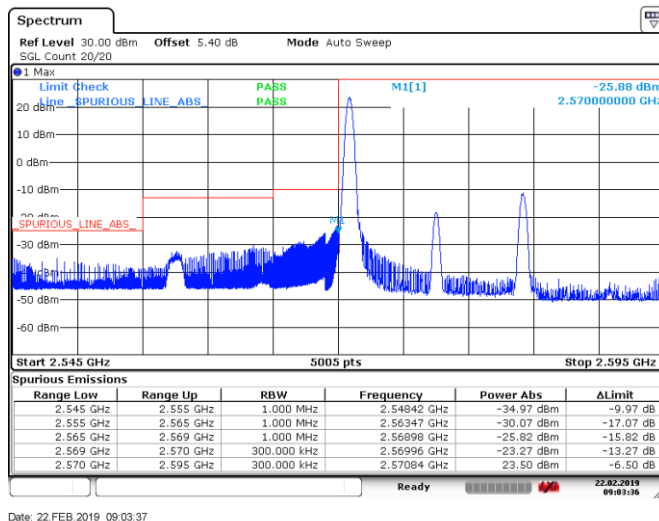


Band38_10MHz_16QAM_38200_50RB#0

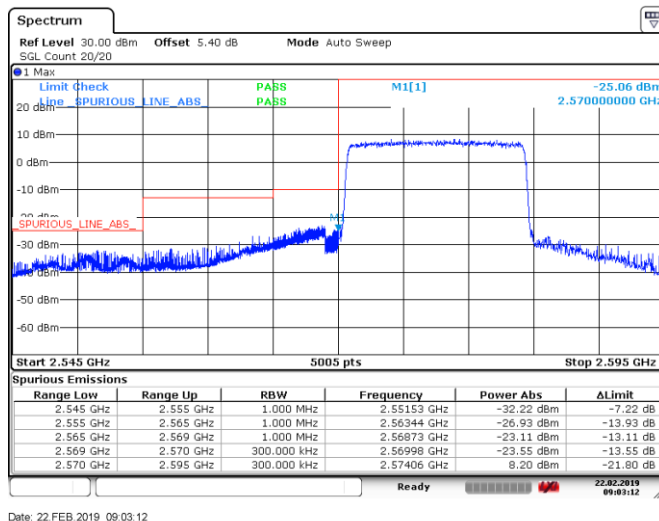


Band38_15MHz_QPSK_37825_1RB#0



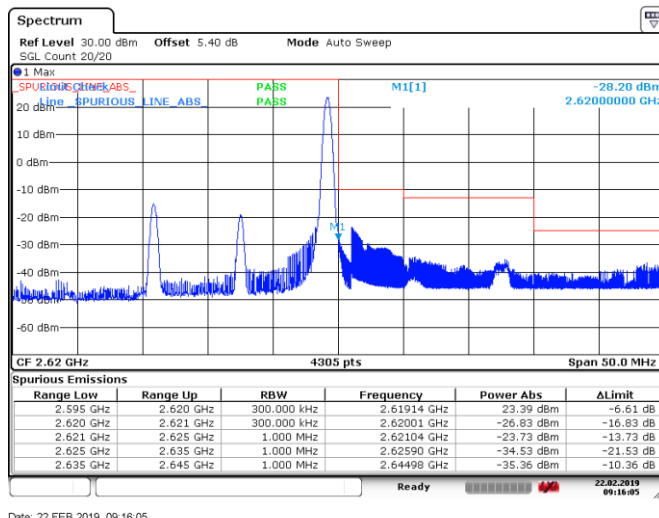


Band38_15MHz_QPSK_37825_75RB#0

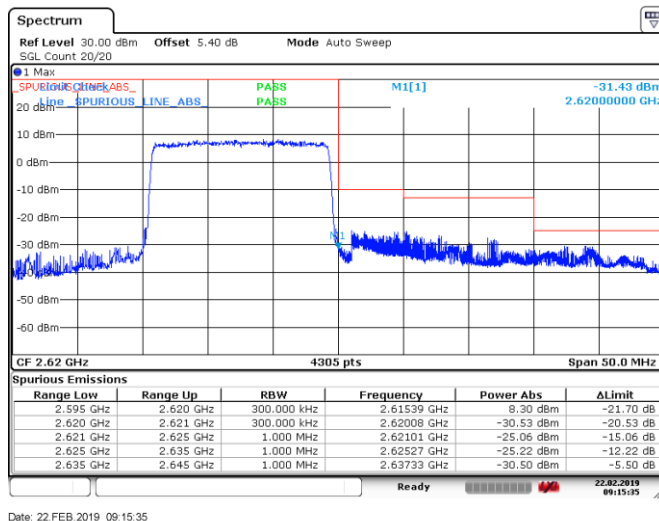


Band38_15MHz_QPSK_38175_1RB#74



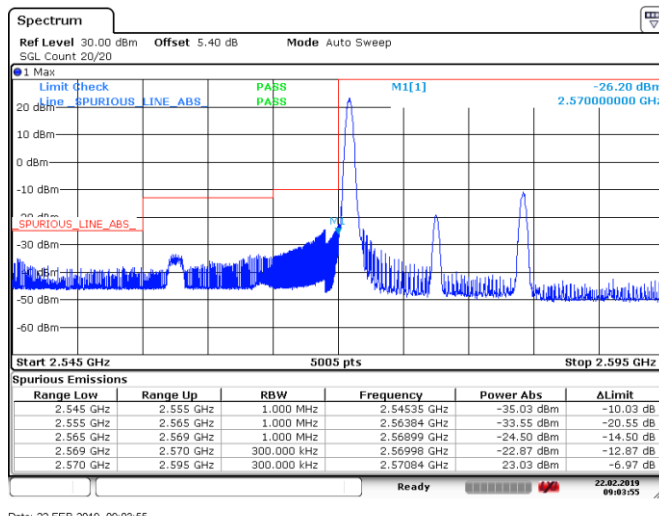


Band38_15MHz_QPSK_38175_75RB#0



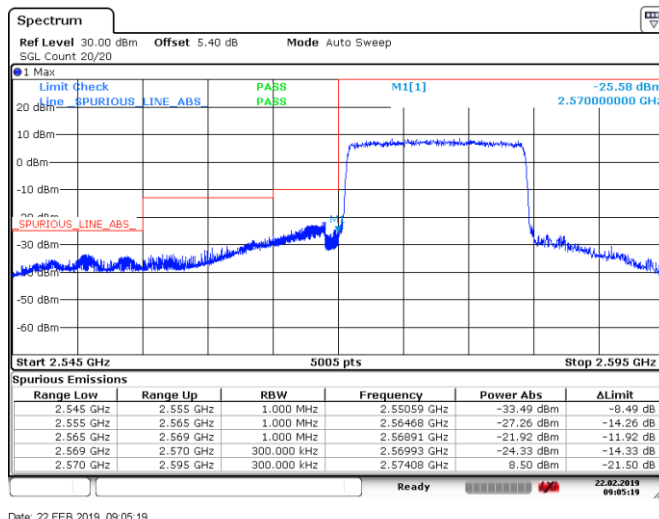
Band38_15MHz_16QAM_37825_1RB#0





Date: 22 FEB 2019 09:03:55

Band38_15MHz_16QAM_37825_75RB#0



Date: 22 FEB 2019 09:05:19

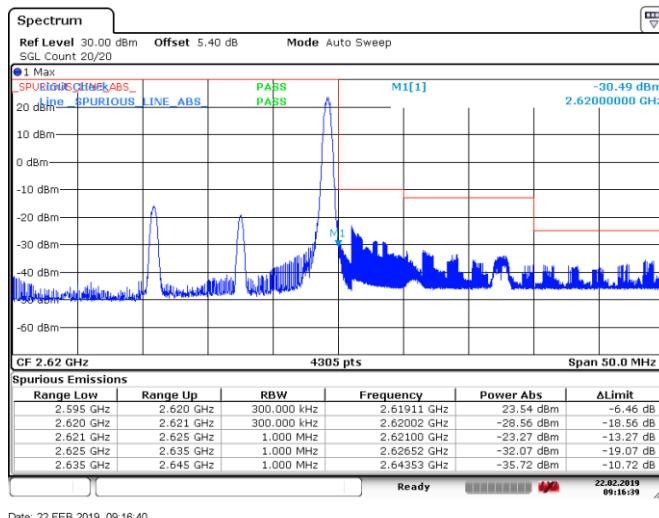
Band38_15MHz_16QAM_38175_1RB#74



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

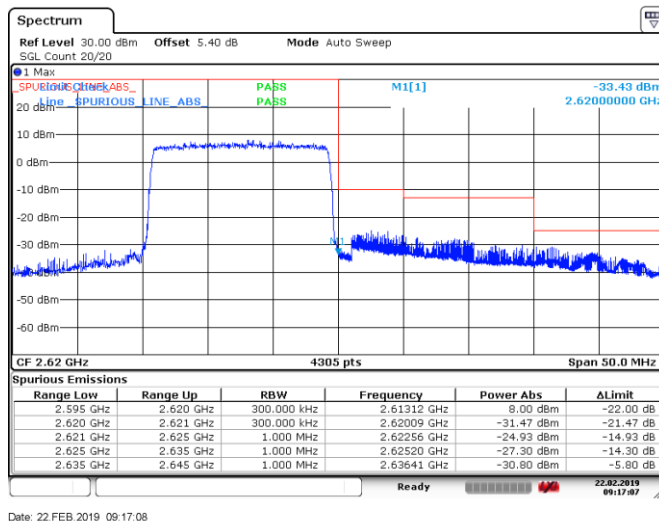
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.FEB.2019 09:16:40

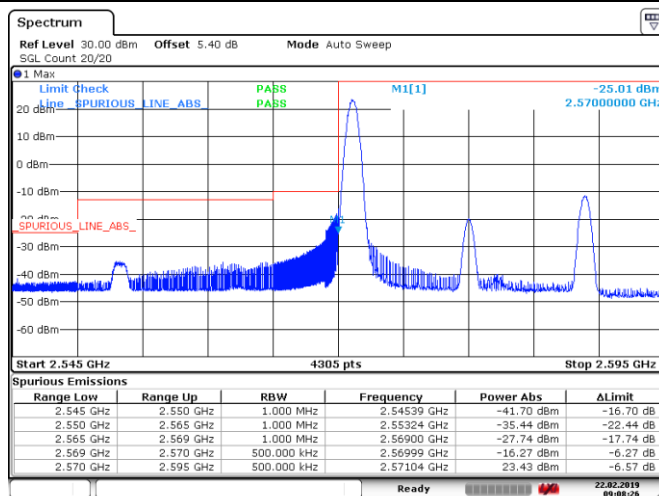
Band38_15MHz_16QAM_38175_75RB#0



Date: 22.FEB.2019 09:17:08

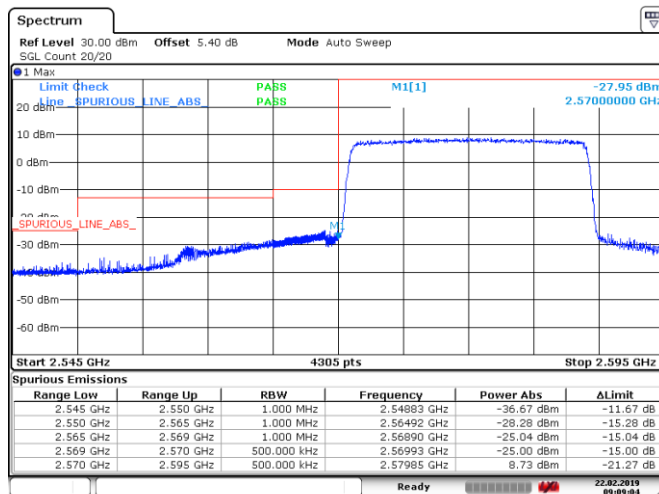
Band38_20MHz_QPSK_37850_1RB#0





Date: 22 FEB 2019 09:08:27

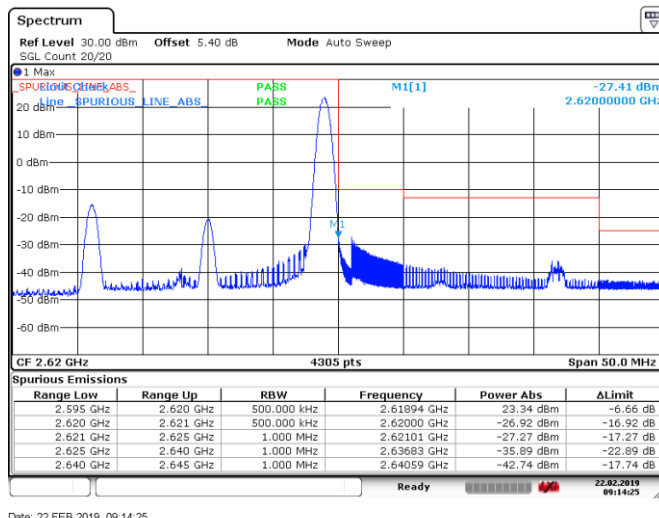
Band38_20MHz_QPSK_37850_100RB#0



Date: 22 FEB 2019 09:09:04

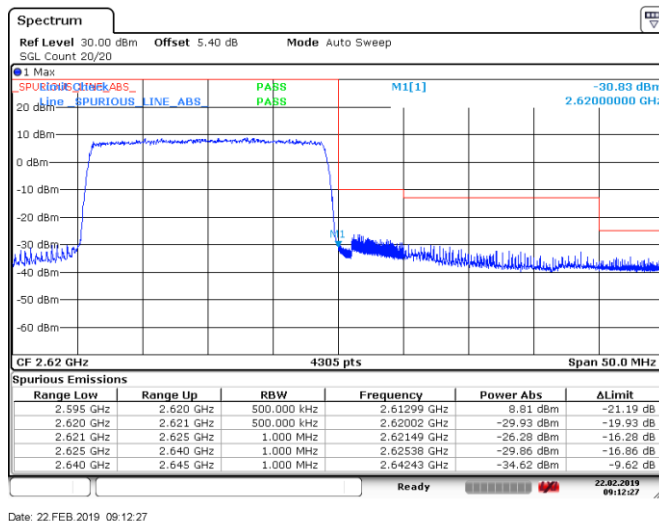
Band38_20MHz_QPSK_38150_1RB#99





Date: 22.FEB.2019 09:14:25

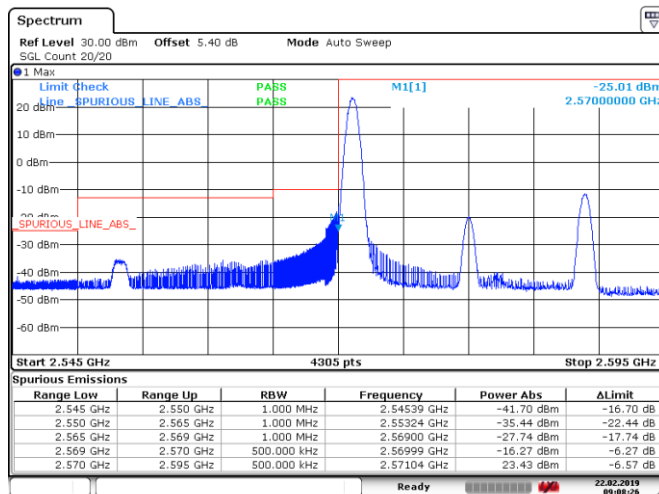
Band38_20MHz_QPSK_38150_100RB#0



Date: 22.FEB.2019 09:12:27

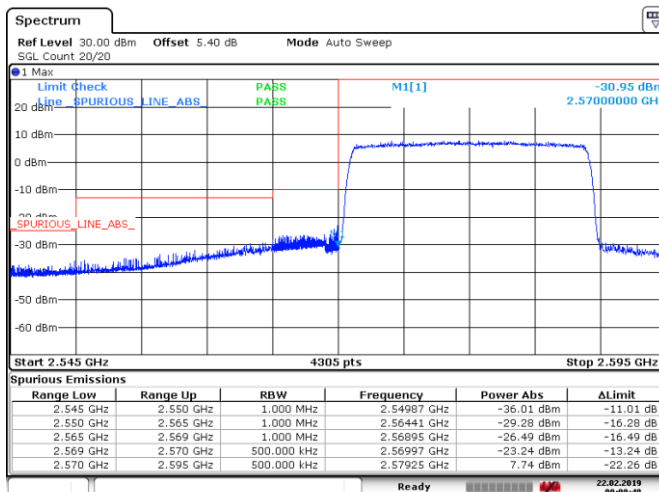
Band38_20MHz_16QAM_37850_1RB#0





Date: 22.FEB.2019 09:08:27

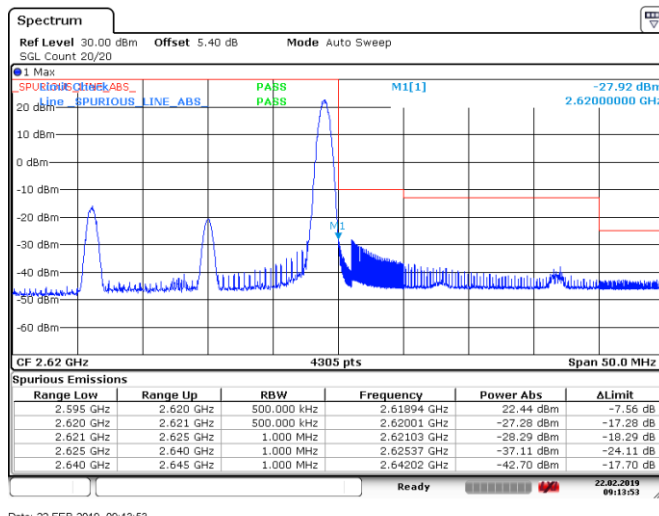
Band38_20MHz_16QAM_37850_100RB#0



Date: 22.FEB.2019 09:09:49

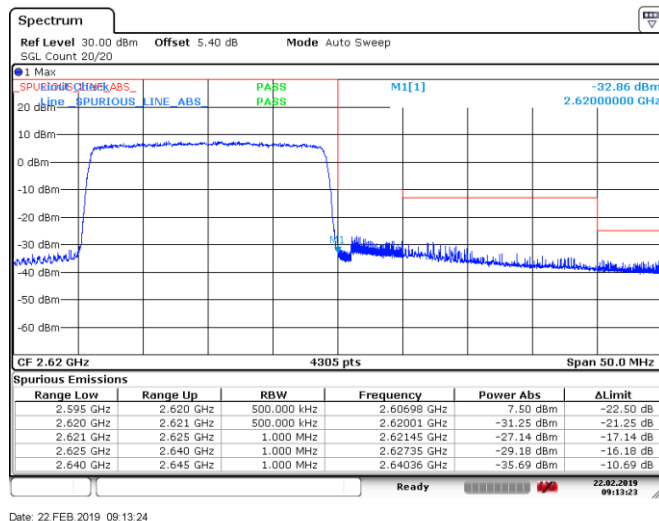
Band38_20MHz_16QAM_38150_1RB#99





Date: 22 FEB 2019 09:13:53

Band38_20MHz_16QAM_38150_100RB#0



Date: 22 FEB 2019 09:13:24



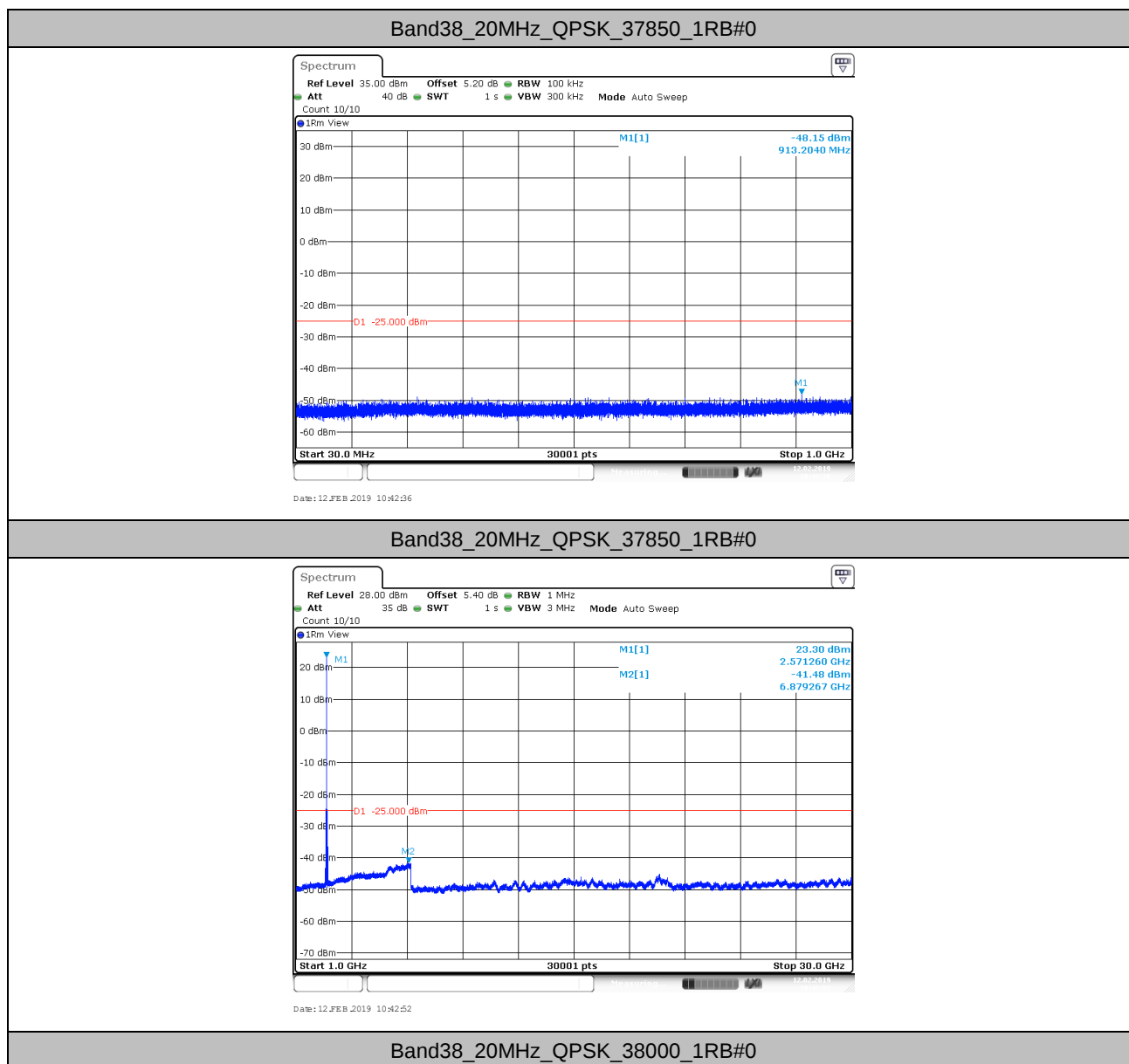


6. Spurious Emission at Antenna Terminal

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

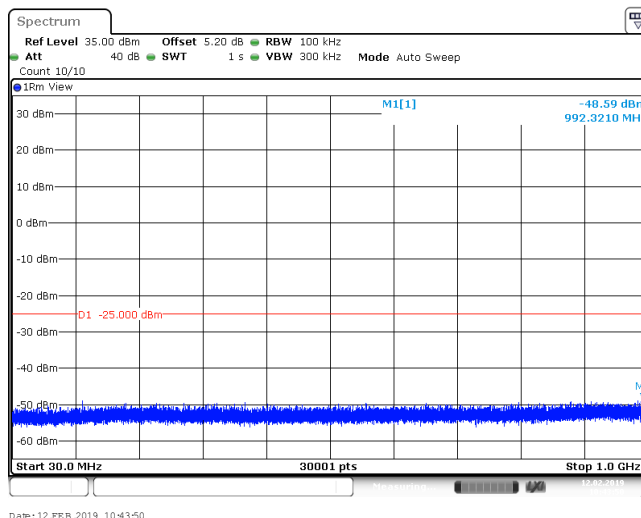


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

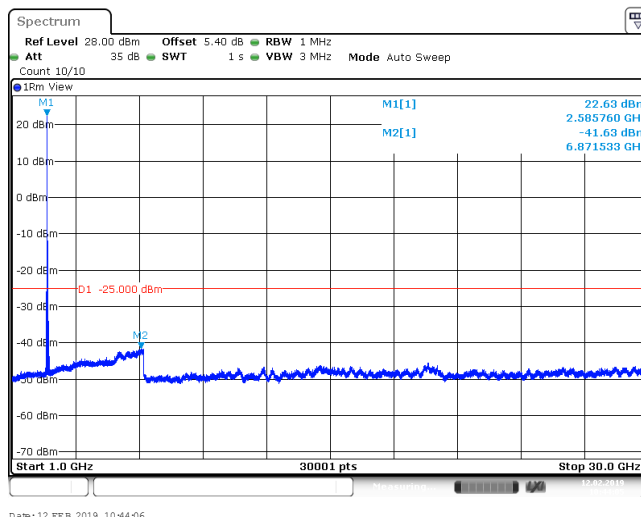
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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



Band38_20MHz_QPSK_38000_1RB#0

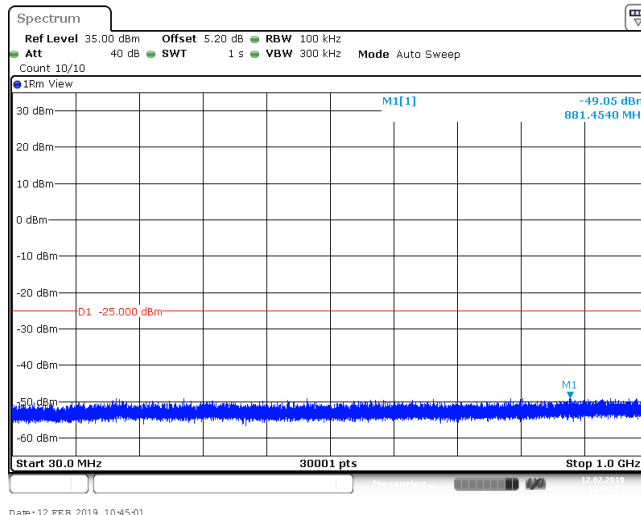


Band38_20MHz_QPSK_38150_1RB#0

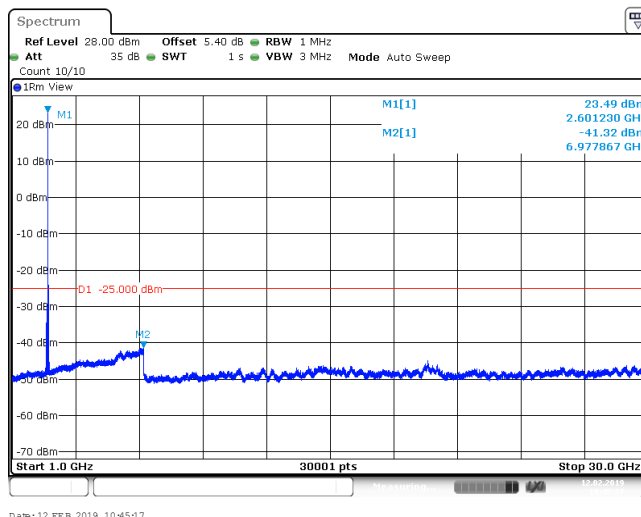


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band38_20MHz_QPSK_38150_1RB#0

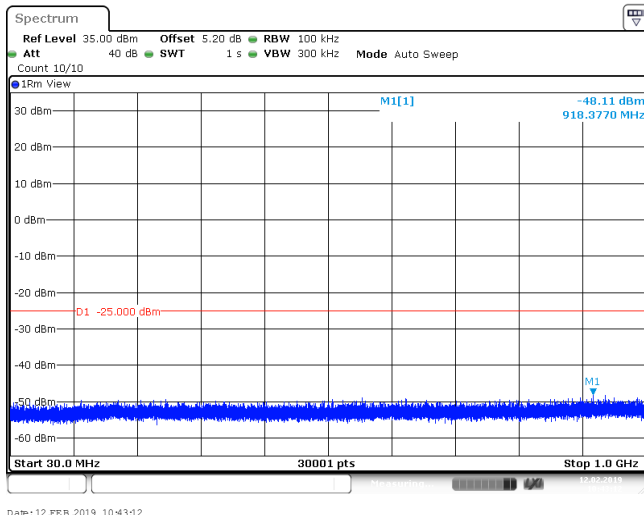


Band38_20MHz_16QAM_37850_1RB#0

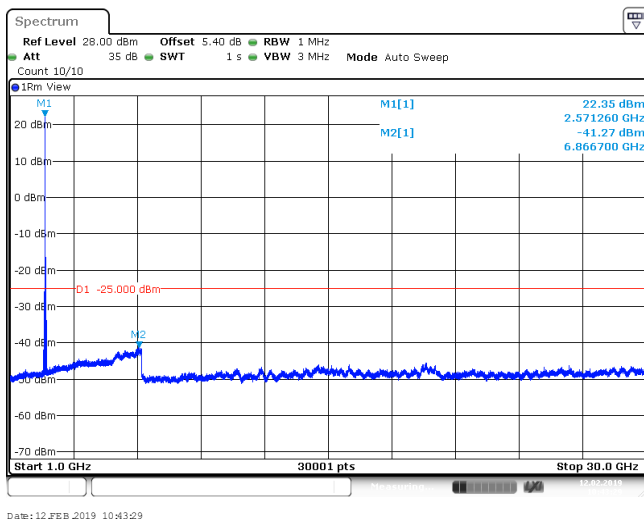


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

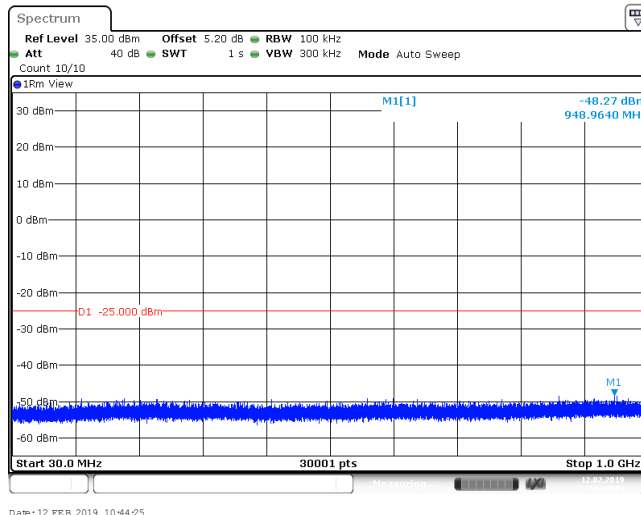


Band38_20MHz_16QAM_38000_1RB#0

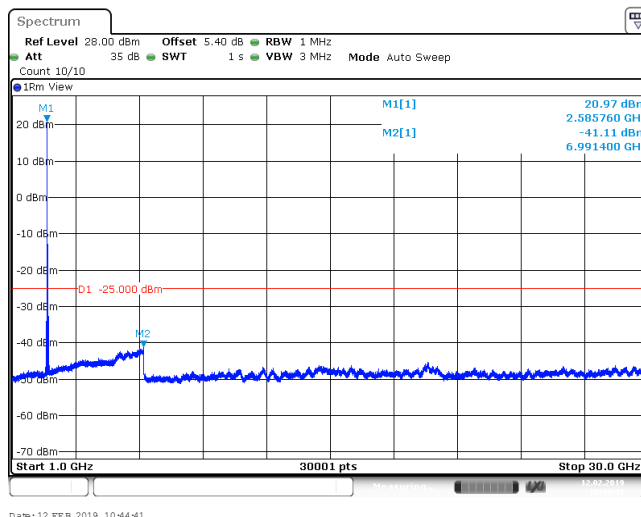


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



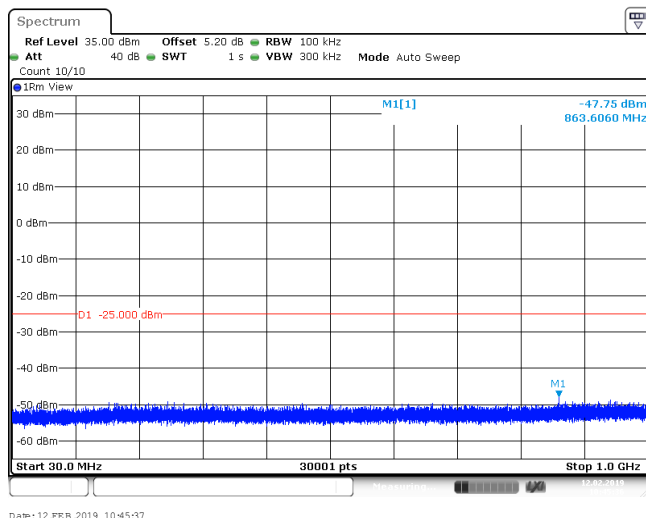
Band38_20MHz_16QAM_38000_1RB#0



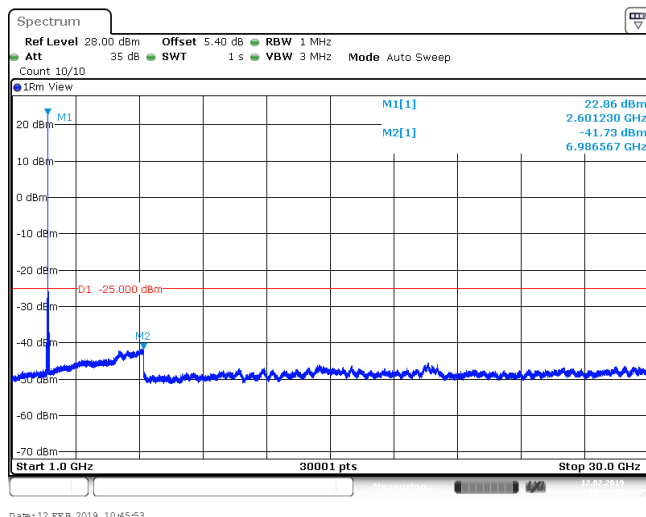
Band38_20MHz_16QAM_38150_1RB#0



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_16QAM_38150_1RB#0





7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE Band38

7.1.1. Test Mode =LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
75.5923	-69.79	-25.00	44.79	Vertical
110.5625	-65.48	-25.00	40.48	Vertical
572.7906	-64.71	-25.00	39.71	Vertical
5172.0724	-45.51	-25.00	20.51	Vertical
10344.7448	-35.21	-25.00	10.21	Vertical
17990.9997	-33.49	-25.00	8.49	Vertical
40.9130	-64.00	-25.00	39.00	Horizontal
231.0911	-68.48	-25.00	43.48	Horizontal
642.7311	-63.62	-25.00	38.62	Horizontal
5172.0724	-50.32	-25.00	25.32	Horizontal
10344.7448	-44.32	-25.00	19.32	Horizontal
17994.9998	-37.75	-25.00	12.75	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
61.4781	-69.89	-25.00	44.89	Vertical
114.6367	-65.45	-25.00	40.45	Vertical
588.2144	-64.79	-25.00	39.79	Vertical
5142.0714	-44.83	-25.00	19.83	Vertical
10284.2428	-38.05	-25.00	13.05	Vertical
17988.4996	-33.15	-25.00	8.15	Vertical
45.4723	-64.19	-25.00	39.19	Horizontal
248.8914	-68.42	-25.00	43.42	Horizontal



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

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



735.5648	-62.58	-25.00	37.58	Horizontal
5142.0714	-52.83	-25.00	27.83	Horizontal
10284.2428	-42.48	-25.00	17.48	Horizontal
16387.4462	-38.51	-25.00	13.51	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
68.5109	-68.77	-25.00	43.77	Vertical
111.6296	-65.32	-25.00	40.32	Vertical
376.5498	-68.16	-25.00	43.16	Vertical
5202.0734	-45.24	-25.00	20.24	Vertical
10404.7468	-34.19	-25.00	9.19	Vertical
17982.9994	-33.42	-25.00	8.42	Vertical
38.3909	-64.52	-25.00	39.52	Horizontal
151.1591	-69.65	-25.00	44.65	Horizontal
601.0676	-63.27	-25.00	38.27	Horizontal
5202.0734	-52.39	-25.00	27.39	Horizontal
10404.2468	-38.37	-25.00	13.37	Horizontal
17996.9999	-38.08	-25.00	13.08	Horizontal

7.1.1.4. Spot check worse mode

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.4638	-68.88	-25.00	43.88	Vertical
113.4727	-64.28	-25.00	39.28	Vertical
229.4905	-66.84	-25.00	41.84	Vertical
5172.0724	-46.81	-25.00	21.81	Vertical
10344.2448	-37.23	-25.00	12.23	Vertical
17977.4993	-33.65	-25.00	8.65	Vertical
39.3125	-63.18	-25.00	38.18	Horizontal
150.6255	-66.37	-25.00	41.37	Horizontal



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

246.4663	-67.30	-25.00	42.30	Horizontal
5172.0724	-50.09	-25.00	25.09	Horizontal
10344.2448	-47.49	-25.00	22.49	Horizontal
17999.0000	-38.38	-25.00	13.38	Horizontal

REMARK:

- 1) The disturbance above 12.75GHz and 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.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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



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	-0.50	-0.000194	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-3.30	-0.001279	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-5.00	-0.001938	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-5.50	-0.002119	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-0.60	-0.000231	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-0.40	-0.000154	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-4.50	-0.001724	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-1.20	-0.000460	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-3.80	-0.001456	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-0.90	-0.000349	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-3.20	-0.001240	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	1.70	0.000659	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-2.10	-0.000809	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-3.70	-0.001426	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-4.00	-0.001541	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-6.20	-0.002375	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-3.20	-0.001226	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-4.30	-0.001648	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-1.20	-0.000465	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-3.10	-0.001202	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-5.10	-0.001977	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-5.70	-0.002209	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	0.20	0.000078	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-4.50	-0.001744	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-3.20	-0.001240	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-5.30	-0.002042	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-7.40	-0.002852	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-5.20	-0.002004	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-5.60	-0.002158	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-3.00	-0.001156	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-1.60	-0.000617	±2.5	PASS



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

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



Band38	20MHz	QPSK	38000	100RB#0	NV	50	-0.70	-0.000270	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-1.70	-0.000651	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-4.90	-0.001877	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-2.00	-0.000766	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-5.30	-0.002031	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-3.60	-0.001379	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-0.80	-0.000307	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	0.20	0.000077	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-4.50	-0.001724	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-4.90	-0.001899	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-1.10	-0.000426	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-0.70	-0.000271	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-4.20	-0.001628	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-2.30	-0.000891	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-4.80	-0.001860	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-1.80	-0.000698	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-2.80	-0.001085	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-1.70	-0.000655	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	0.10	0.000039	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-2.70	-0.001040	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-4.10	-0.001580	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-3.80	-0.001464	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-4.80	-0.001850	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-4.40	-0.001696	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-3.00	-0.001156	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-1.80	-0.000690	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-5.00	-0.001916	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-5.10	-0.001954	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-1.50	-0.000575	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-3.50	-0.001341	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-2.30	-0.000881	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-7.10	-0.002720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-3.40	-0.001303	±2.5	PASS

The End



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