



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(UP ANTENNA)..... 4

1.2. TEST RESULT(DOWN ANTENNA).....12

2. PEAK-TO-AVERAGE RATIO (CCDF).....20

2.1. TEST RESULT.....20

2.2. TEST PLOTS.....20

3. MODULATION CHARACTERISTICS25

3.1. TEST MODE = LTE /TM1 20MHZ.....25

3.1.1. TEST CHANNEL = MCH25

3.2. TEST MODE = LTE /TM2 20MHZ.....26

3.2.1. TEST CHANNEL = MCH26

3.3. TEST MODE = LTE /TM3 20MHZ.....27

3.3.1. TEST CHANNEL = MCH27

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH28

4.1. TEST RESULT.....28

4.2. TEST PLOTS.....29

5. BAND EDGE COMPLIANCE47

5.1. TEST PLOTS.....47

6. SPURIOUS EMISSION AT ANTENNA TERMINAL71

6.1. TEST PLOTS.....71

7. FIELD STRENGTH OF SPURIOUS RADIATION.....80

7.1. TEST MODE =LTE/TM1 20MHZ(DOWN ANTENNA).....80

7.1.1. TEST CHANNEL = LCH80

7.1.2. TEST CHANNEL = MCH80

7.1.3. TEST CHANNEL = HCH81

7.2. TEST MODE =LTE/TM1 20MHZ(UP ANTENNA)81

7.2.1. TEST CHANNEL = LCH81

7.2.2. TEST CHANNEL = MCH82

7.2.3. TEST CHANNEL = HCH82



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.....83

8.1. FREQUENCY VS VOLTAGE.....83

8.2. FREQUENCY VS TEMPERATURE83



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(Up Antenna)

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	20.75	23.05	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	20.77	23.07	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	20.77	23.07	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.93	23.23	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.93	23.23	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.91	23.21	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.87	23.17	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	20.76	23.06	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	20.88	23.18	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	20.82	23.12	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.83	23.13	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.84	23.14	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.92	23.22	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.79	23.09	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	20.68	22.98	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	20.75	23.05	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	20.72	23.02	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.78	23.08	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.82	23.12	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.80	23.1	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.69	22.99	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.86	23.16	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.85	23.15	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.88	23.18	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.84	22.14	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.73	22.03	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.71	22.01	33.00	PASS



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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	19.69	21.99	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.78	23.08	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.87	23.17	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.84	23.14	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.67	21.97	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.65	21.95	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.80	22.1	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.66	21.96	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.68	22.98	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.81	23.11	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.75	23.05	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.61	21.91	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.61	21.91	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.73	22.03	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.73	22.03	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.94	23.24	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.95	23.25	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	20.94	23.24	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.87	23.17	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.87	23.17	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.84	23.14	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.91	23.21	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.88	23.18	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.95	23.25	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.89	23.19	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.84	23.14	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.84	23.14	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.82	23.12	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.85	23.15	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.76	23.06	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.87	23.17	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.85	23.15	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.73	23.03	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	5MHz	16QAM	38225	12RB#6	20.77	23.07	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.76	23.06	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.77	23.07	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	20.77	23.07	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	20.83	23.13	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	20.71	23.01	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.86	23.16	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.90	23.2	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.88	23.18	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.89	23.19	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	20.73	23.03	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	20.76	23.06	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	20.74	23.04	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.77	23.07	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.86	23.16	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.85	23.15	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.81	23.11	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	20.72	23.02	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	20.80	23.1	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	20.64	22.94	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.74	23.04	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.83	23.13	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	20.77	23.07	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.77	23.07	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.80	23.1	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.82	23.12	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.80	23.1	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.77	22.07	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.74	22.04	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.63	21.93	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.69	21.99	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.72	23.02	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.90	23.2	33.00	PASS



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

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



Band38	10MHz	64QAM	38000	1RB#49	20.81	23.11	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.68	21.98	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.61	21.91	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.79	22.09	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.73	22.03	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.70	23	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.77	23.07	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.78	23.08	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.66	21.96	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.66	21.96	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.55	21.85	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.57	21.87	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.88	23.18	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.89	23.19	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.89	23.19	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.92	23.22	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.91	23.21	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.87	23.17	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.83	23.13	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.80	23.1	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.97	23.27	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.91	23.21	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.76	23.06	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.77	23.07	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.84	23.14	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.86	23.16	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	20.76	23.06	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.87	23.17	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.85	23.15	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.77	23.07	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.81	23.11	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.79	23.09	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.81	23.11	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



Band38	15MHz	QPSK	37825	1RB#0	20.73	23.03	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	20.74	23.04	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	20.61	22.91	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	20.87	23.17	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	20.91	23.21	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	20.89	23.19	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.93	23.23	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	20.65	22.95	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	20.72	23.02	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	20.61	22.91	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	20.87	23.17	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	20.83	23.13	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	20.80	23.1	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.79	23.09	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	20.66	22.96	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	20.56	22.86	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	20.59	22.89	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	20.75	23.05	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	20.72	23.02	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	20.82	23.12	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.81	23.11	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.97	23.27	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.67	22.97	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.78	23.08	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.74	22.04	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	19.80	22.1	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.78	22.08	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.78	22.08	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.89	23.19	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.78	23.08	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.84	23.14	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.62	21.92	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.64	21.94	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



Band38	15MHz	64QAM	38000	36RB#0	19.67	21.97	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.71	22.01	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.80	23.1	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.71	23.01	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.70	23	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.67	21.97	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.55	21.85	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.58	21.88	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.63	21.93	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	20.96	23.26	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.77	23.07	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	20.84	23.14	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.86	23.16	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.94	23.24	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.85	23.15	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.94	23.24	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.99	23.29	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.87	23.17	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.91	23.21	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.79	23.09	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.77	23.07	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.81	23.11	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.74	23.04	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	20.90	23.2	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.79	23.09	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	20.79	23.09	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.77	23.07	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.77	23.07	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.78	23.08	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.80	23.1	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	20.87	23.17	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	20.64	22.94	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	20.80	23.1	33.00	PASS



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

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



Band38	20MHz	QPSK	37850	50RB#25	20.85	23.15	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	20.89	23.19	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	20.89	23.19	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.92	23.22	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	20.72	23.02	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	20.65	22.95	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	20.78	23.08	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.83	23.13	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.84	23.14	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.93	23.23	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.82	23.12	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	20.93	23.23	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	20.64	22.94	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	20.90	23.2	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.95	23.25	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.80	23.1	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.81	23.11	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.83	23.13	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.91	23.21	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.72	23.02	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.86	23.16	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.81	22.11	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.82	22.12	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.73	22.03	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.70	22	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.80	23.1	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.83	23.13	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.83	23.13	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.91	22.21	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.79	22.09	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.79	22.09	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.60	21.9	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.73	23.03	33.00	PASS



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

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



Band38	20MHz	64QAM	38150	1RB#0	20.78	23.08	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.64	22.94	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.57	21.87	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.78	22.08	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.72	22.02	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.76	22.06	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.00	23.3	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	20.82	23.12	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.91	23.21	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.81	23.11	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.96	23.26	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.91	23.21	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.94	23.24	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.87	23.17	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.93	23.23	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.88	23.18	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.88	23.18	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.85	23.15	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.91	23.21	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.85	23.15	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.80	23.1	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.88	23.18	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.71	23.01	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.83	23.13	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.90	23.2	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.90	23.2	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.82	23.12	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

1.2. Test Result(Down Antenna)

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.15	24.35	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.09	24.29	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.08	24.28	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.18	23.38	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.18	23.38	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.19	23.39	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.17	23.37	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.12	24.32	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.08	24.28	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.11	24.31	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.17	23.37	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.18	23.38	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.19	23.39	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.16	23.36	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.06	24.26	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.10	24.3	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.10	24.3	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.15	23.35	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.22	23.42	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.18	23.38	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.18	23.38	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.89	23.09	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.93	23.13	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.89	23.09	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.72	21.92	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.72	21.92	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.71	21.91	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.72	21.92	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.91	23.11	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.92	23.12	33.00	PASS



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

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



Band38	5MHz	64QAM	38000	1RB#24	21.93	23.13	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.70	21.9	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.69	21.89	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.67	21.87	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.69	21.89	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.86	23.06	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.85	23.05	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.90	23.1	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.64	21.84	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.72	21.92	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.71	21.91	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.65	21.85	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.51	23.71	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.47	23.67	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.45	23.65	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.25	22.45	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.27	22.47	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.28	22.48	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.16	22.36	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.45	23.65	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.51	23.71	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.50	23.7	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.23	22.43	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.26	22.46	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.28	22.48	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.13	22.33	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.50	23.7	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.51	23.71	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.49	23.69	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.28	22.48	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.30	22.5	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.24	22.44	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.16	22.36	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
 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	1RB#49	23.14	24.34	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.08	24.28	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.18	24.38	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.22	23.42	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.14	23.34	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.22	23.42	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.22	23.42	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.05	24.25	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.09	24.29	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.19	24.39	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.18	23.38	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.17	23.37	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.22	23.42	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.17	23.37	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.09	24.29	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.08	24.28	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.15	24.35	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.26	23.46	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.21	23.41	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.12	23.32	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.22	23.42	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	22.00	23.2	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	22.05	23.25	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	22.06	23.26	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.75	21.95	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.81	22.01	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.74	21.94	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.75	21.95	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	22.05	23.25	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	22.12	23.32	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	22.00	23.2	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.74	21.94	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.69	21.89	33.00	PASS



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

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



Band38	10MHz	64QAM	38000	25RB#25	20.76	21.96	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.67	21.87	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	22.12	23.32	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.98	23.18	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	22.10	23.3	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.70	21.9	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.65	21.85	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.70	21.9	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.64	21.84	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.55	23.75	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.46	23.66	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.49	23.69	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.14	22.34	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.17	22.37	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.12	22.32	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.29	22.49	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.47	23.67	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.51	23.71	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.48	23.68	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.13	22.33	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.14	22.34	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.19	22.39	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.22	22.42	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.57	23.77	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.46	23.66	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.46	23.66	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.12	22.32	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.17	22.37	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.16	22.36	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.28	22.48	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.04	24.24	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.06	24.26	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.99	24.19	33.00	PASS



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

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



Band38	15MHz	QPSK	37825	36RB#0	22.16	23.36	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.23	23.43	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.17	23.37	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.22	23.42	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.04	24.24	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.09	24.29	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.04	24.24	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.18	23.38	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.13	23.33	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.20	23.4	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.17	23.37	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.01	24.21	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.00	24.2	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.03	24.23	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.16	23.36	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.12	23.32	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.15	23.35	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.14	23.34	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.77	22.97	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.81	23.01	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.80	23	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.65	21.85	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.67	21.87	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	20.64	21.84	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.74	21.94	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.80	23	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.87	23.07	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.78	22.98	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	20.60	21.8	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	20.68	21.88	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	20.65	21.85	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.63	21.83	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.71	22.91	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	64QAM	38175	1RB#38	21.91	23.11	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.88	23.08	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.64	21.84	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	20.58	21.78	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	20.61	21.81	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.62	21.82	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.40	23.6	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.41	23.61	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.39	23.59	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	21.19	22.39	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.22	22.42	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	21.20	22.4	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.23	22.43	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.54	23.74	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.40	23.6	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.43	23.63	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	21.22	22.42	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.23	22.43	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.16	22.36	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.19	22.39	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.40	23.6	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.47	23.67	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.36	23.56	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	21.18	22.38	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	21.16	22.36	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	21.19	22.39	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.16	22.36	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.11	24.31	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.03	24.23	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.98	24.18	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.24	23.44	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.20	23.4	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.19	23.39	33.00	PASS



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

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



Band38	20MHz	QPSK	37850	100RB#0	22.22	23.42	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.01	24.21	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.10	24.3	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.08	24.28	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.22	23.42	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.17	23.37	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.12	23.32	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.17	23.37	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.01	24.21	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.05	24.25	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.01	24.21	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.25	23.45	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.18	23.38	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.17	23.37	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.23	23.43	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.89	23.09	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.85	23.05	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.82	23.02	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.67	21.87	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.69	21.89	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.72	21.92	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.69	21.89	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.86	23.06	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.85	23.05	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.82	23.02	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.71	21.91	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.64	21.84	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.71	21.91	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.62	21.82	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.73	22.93	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.93	23.13	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.91	23.11	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.70	21.9	33.00	PASS



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

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



Band38	20MHz	64QAM	38150	50RB#50	20.68	21.88	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.72	21.92	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.62	21.82	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.49	23.69	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.41	23.61	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.38	23.58	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.26	22.46	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.31	22.51	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.26	22.46	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.29	22.49	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.49	23.69	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.42	23.62	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.41	23.61	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.26	22.46	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.26	22.46	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.29	22.49	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.23	22.43	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.52	23.72	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.32	23.52	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.42	23.62	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.24	22.44	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.28	22.48	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.24	22.44	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.26	22.46	33.00	PASS

Remark:

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

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

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



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

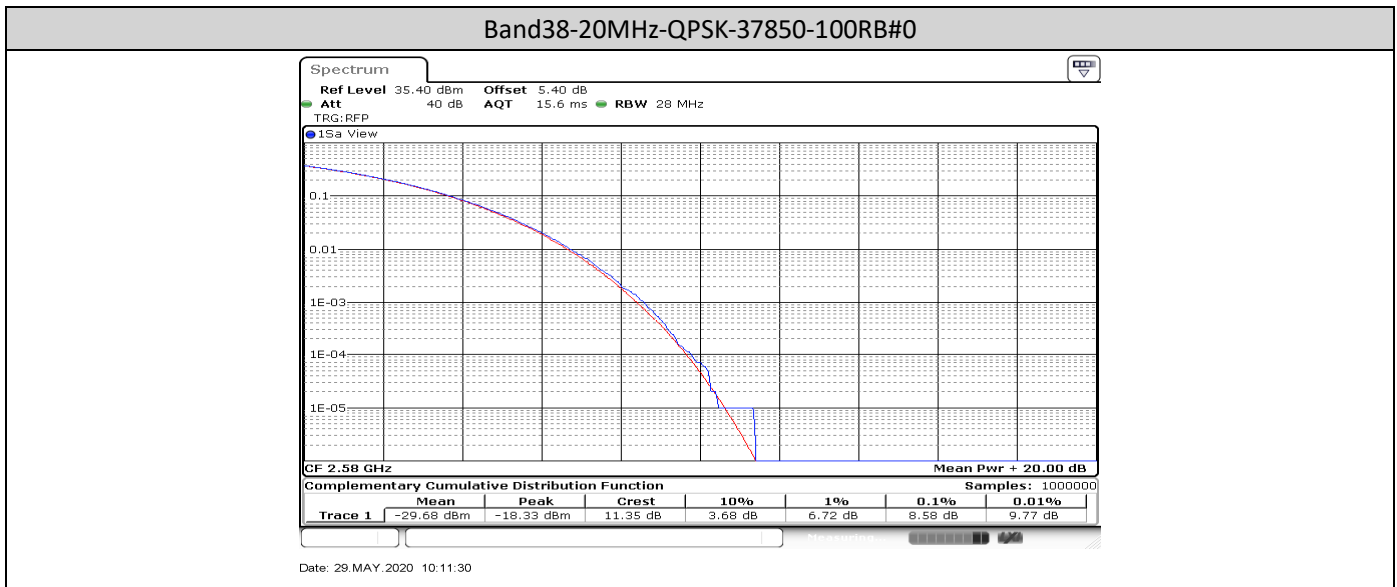


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.58	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.67	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.20	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	6.75	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.68	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.65	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.42	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.45	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.10	13	PASS

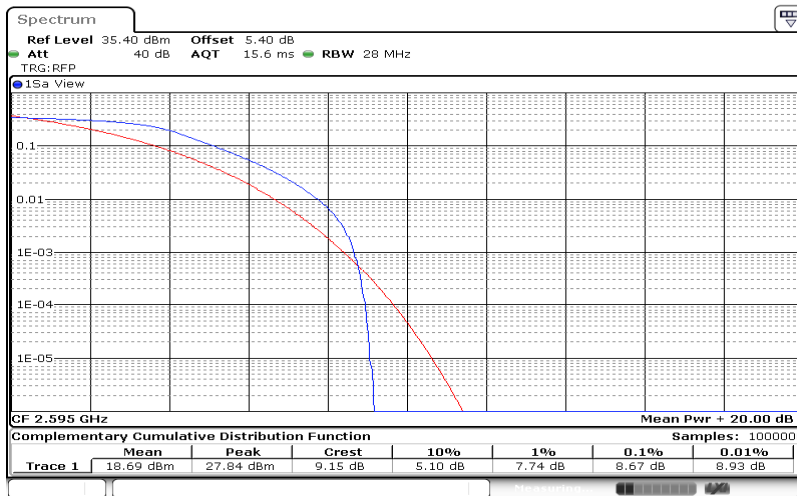
2.2. Test Plots



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.

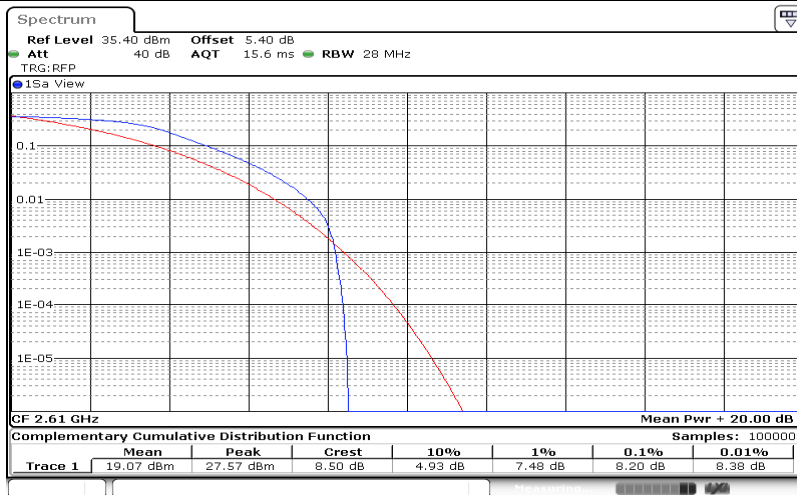
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 29.MAY.2020 10:11:53

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

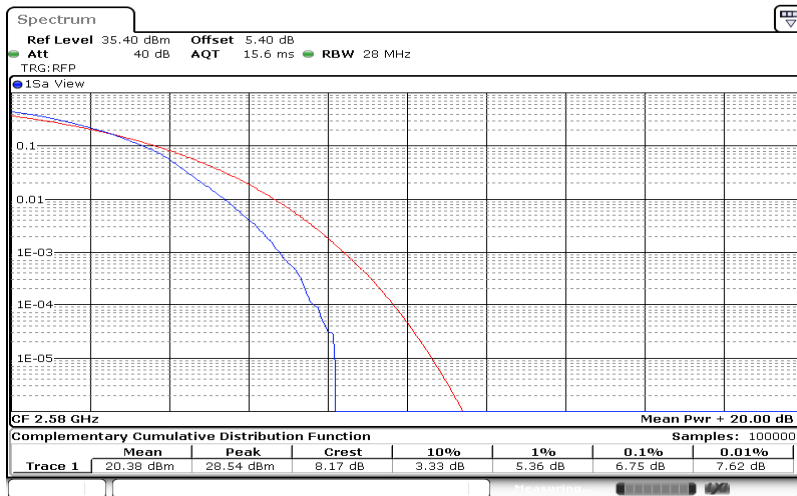


Date: 29.MAY.2020 10:12:16



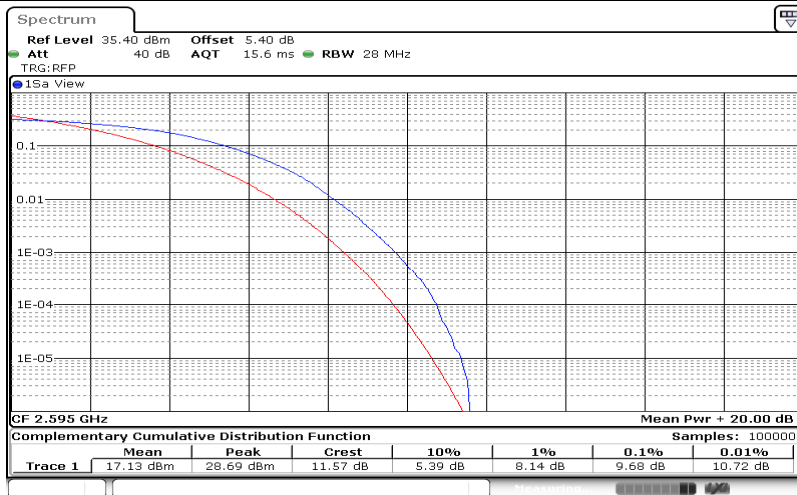
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:07:07

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

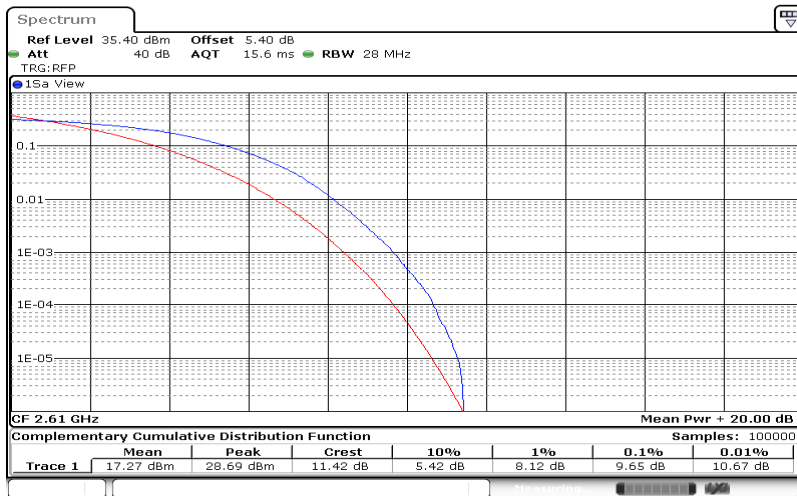


Date: 31.MAY.2020 13:07:18



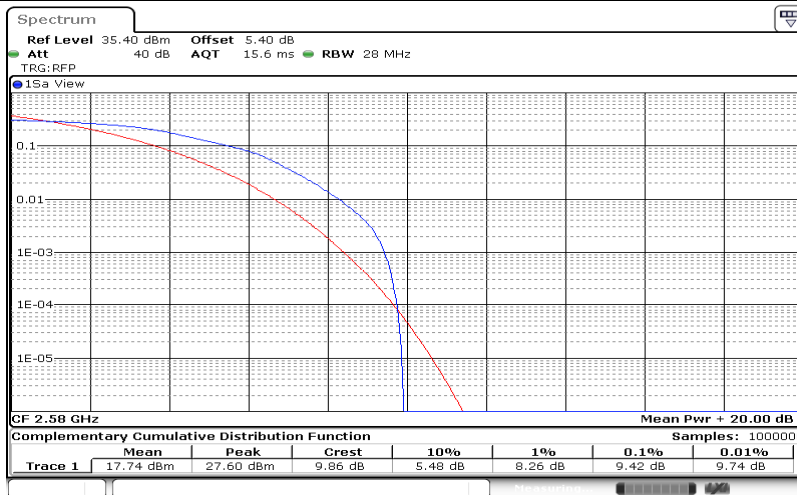
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-38150-100RB#0



Date: 31.MAY.2020 13:07:30

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

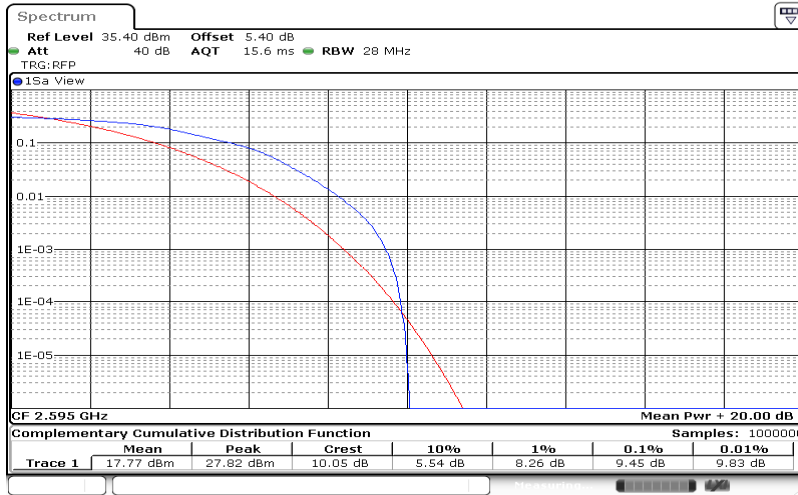


Date: 29.MAY.2020 10:11:41



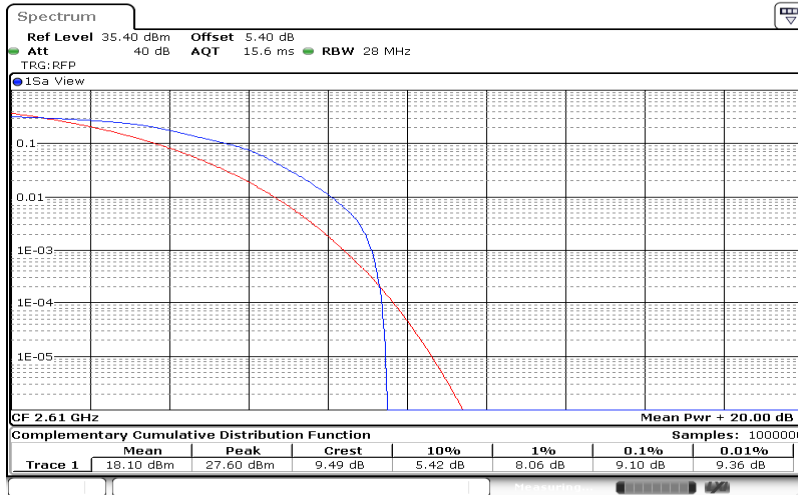
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10.12.04

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



Date: 29.MAY.2020 10.12.28

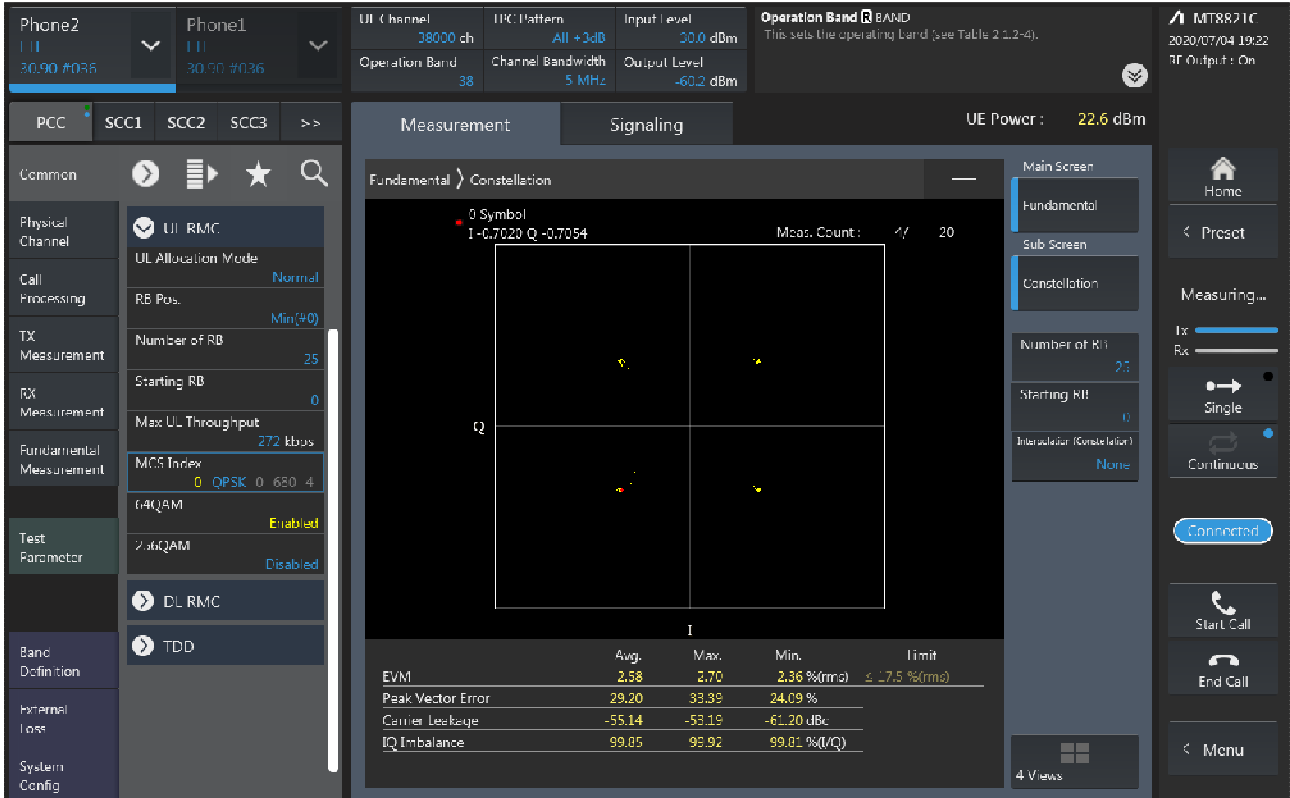


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

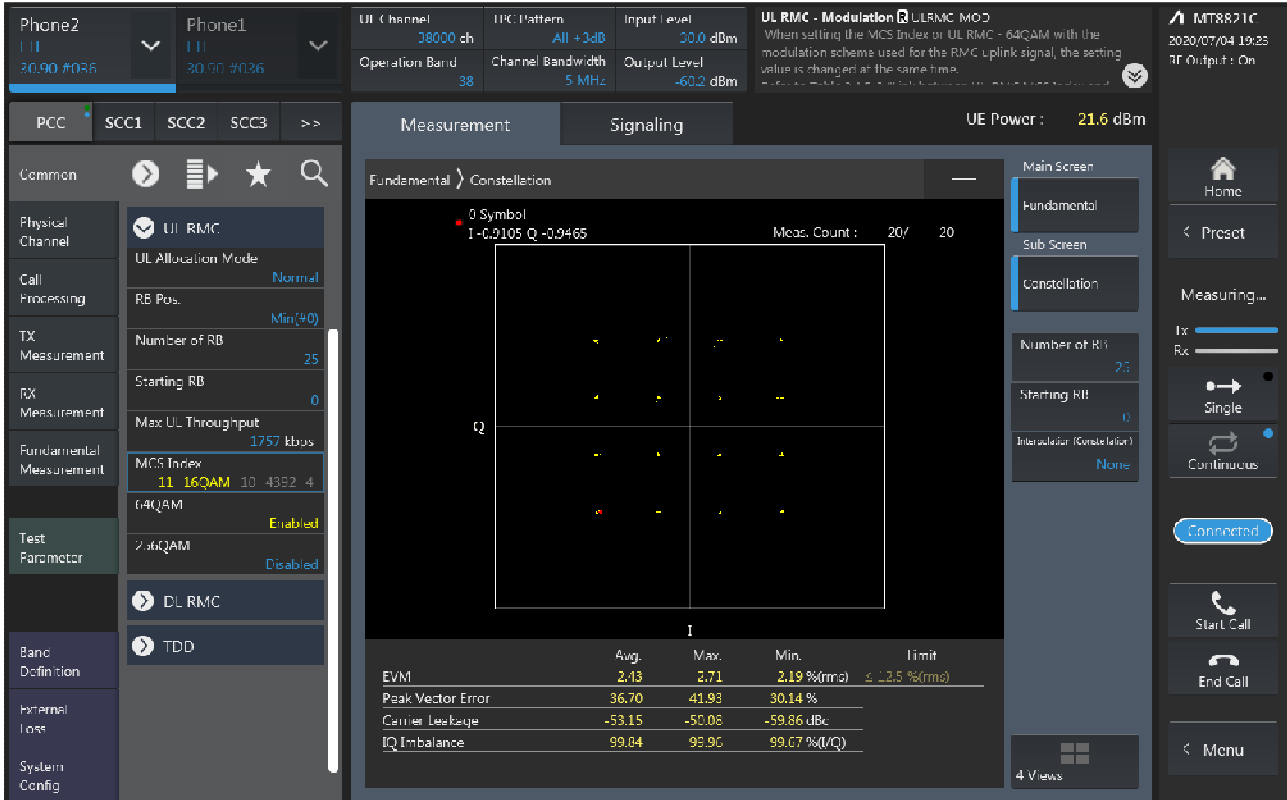


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

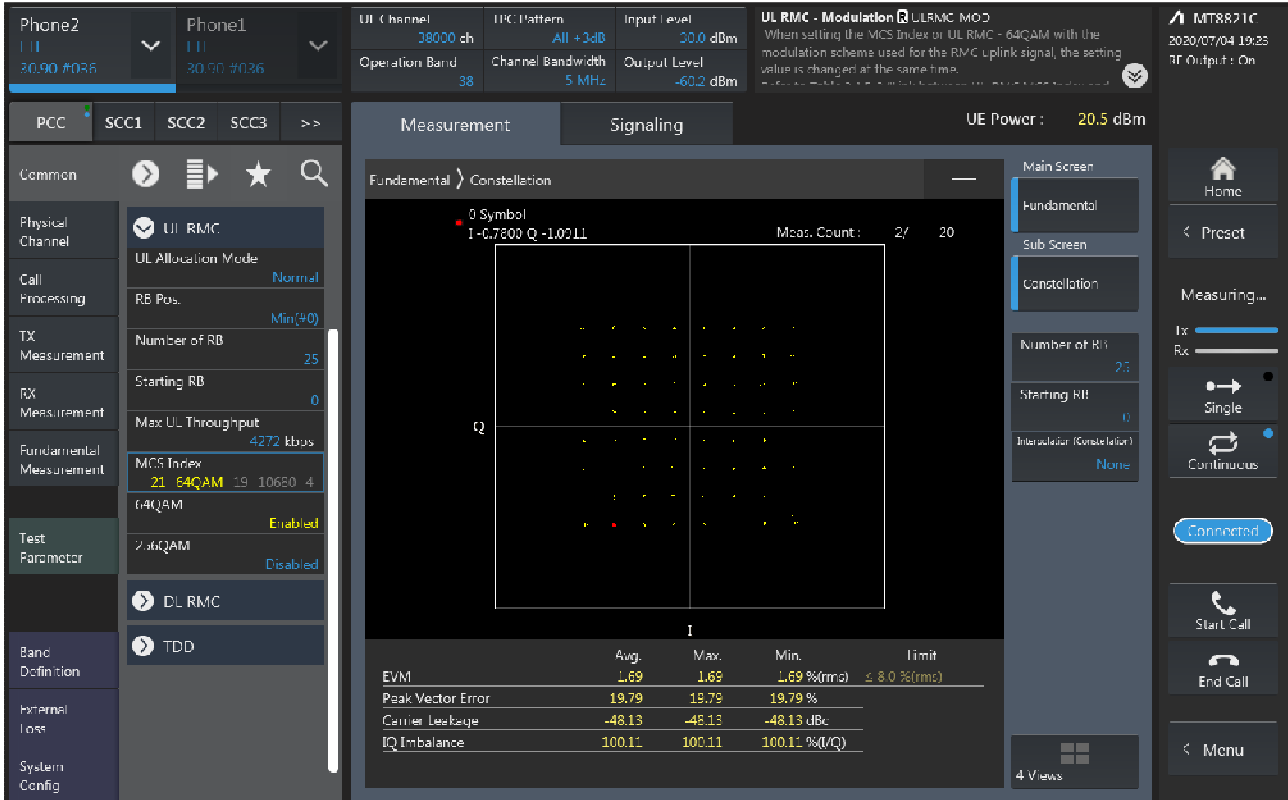


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



3.3. Test Mode = LTE /TM3 20MHz

3.3.1. 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.
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



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	4.476	4.870	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.466	4.870	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	4.880	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.476	4.920	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.930	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.920	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	4.920	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.496	4.910	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	4.900	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.911	9.660	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.911	9.640	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.911	9.620	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.931	9.680	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.931	9.660	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.931	9.700	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.911	9.560	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.931	9.620	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.911	9.580	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	14.790	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	14.790	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.487	14.820	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.457	14.760	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.427	14.760	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.427	14.700	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.427	14.700	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.427	14.760	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.427	14.730	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.902	19.440	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.902	19.480	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.902	19.440	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.862	19.320	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.

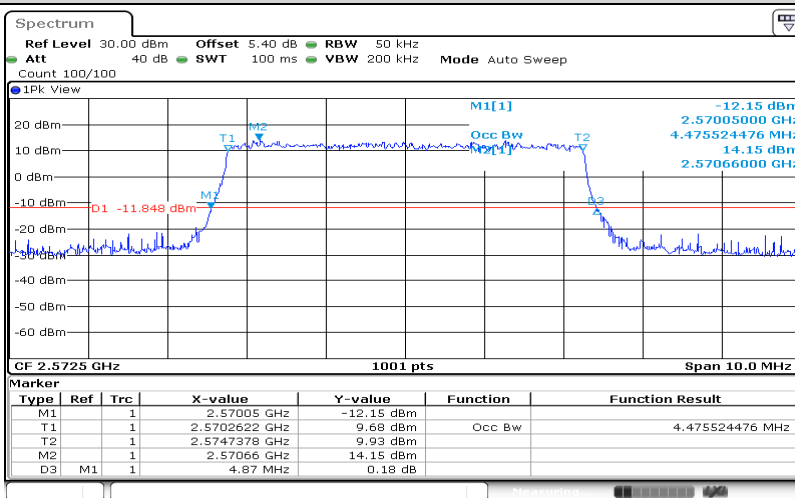
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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	17.862	19.360	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.862	19.200	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.862	19.320	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.862	19.320	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.862	19.360	PASS

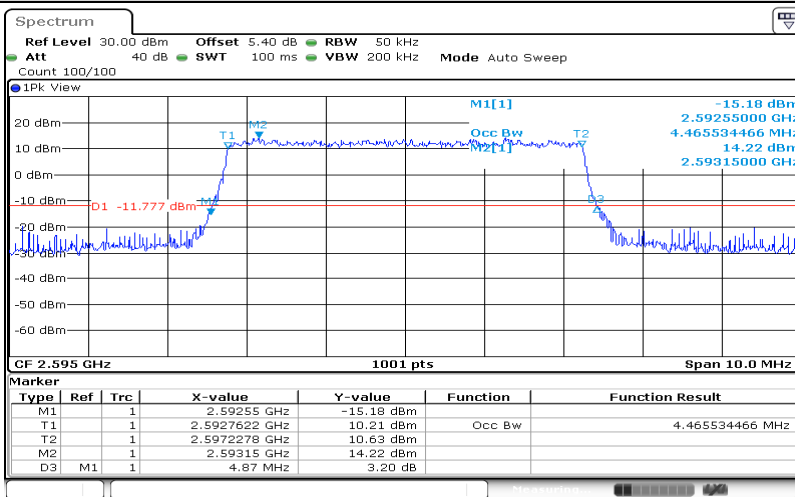
4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.476



Date: 29.MAY.2020 09:49:23

Band38-5MHz-QPSK-38000-25RB#0-4.466

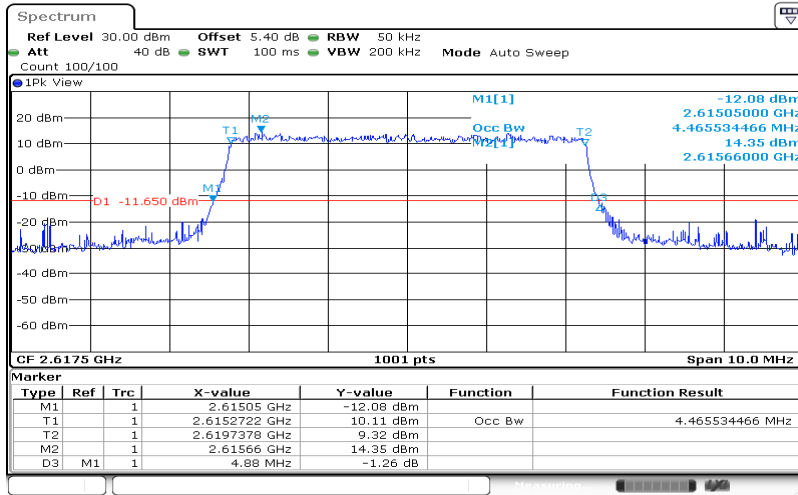


Date: 29.MAY.2020 09:50:03



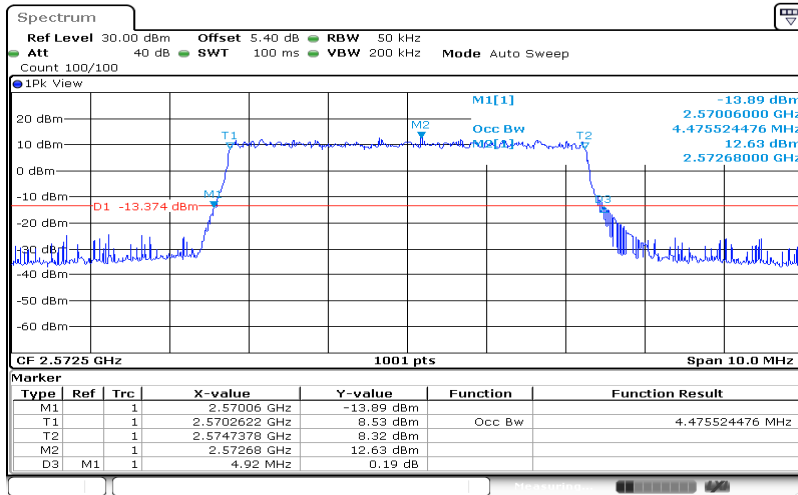
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-5MHz-QPSK-38225-25RB#0-4.466



Date: 29.MAY.2020 09:50:42

Band38-5MHz-64QAM-37775-25RB#0-4.476

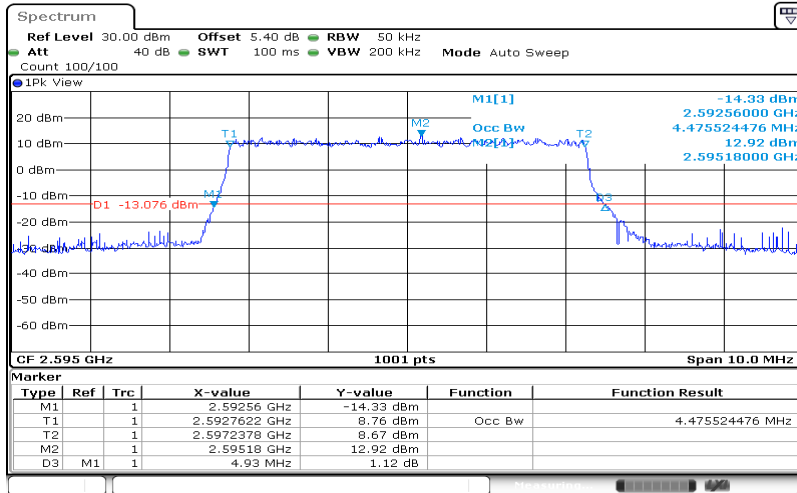


Date: 31.MAY.2020 12:51:39



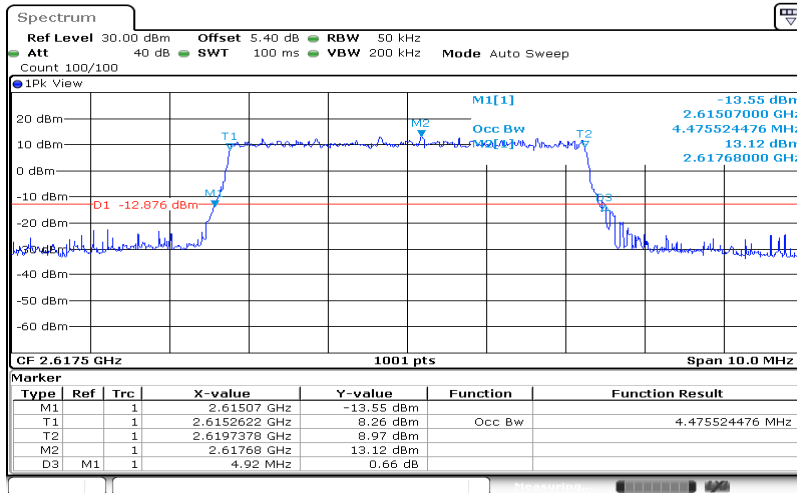
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-5MHz-64QAM-38000-25RB#0-4.476



Date: 31.MAY.2020 12:51:59

Band38-5MHz-64QAM-38225-25RB#0-4.476



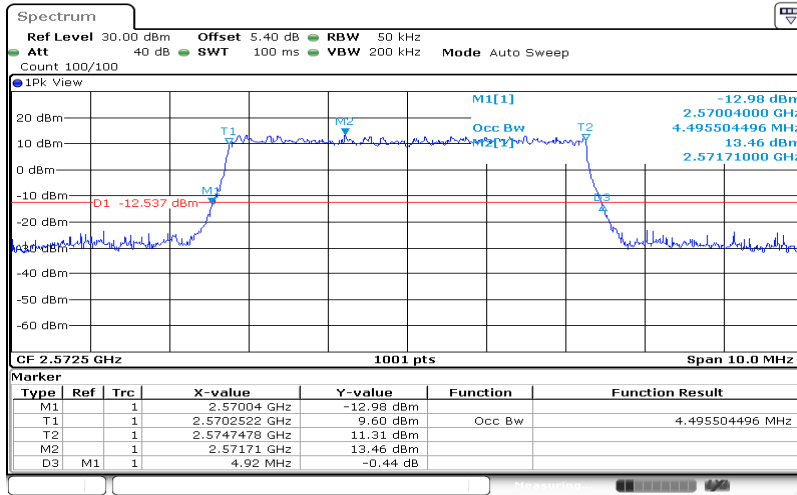
Date: 31.MAY.2020 12:52:18



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.

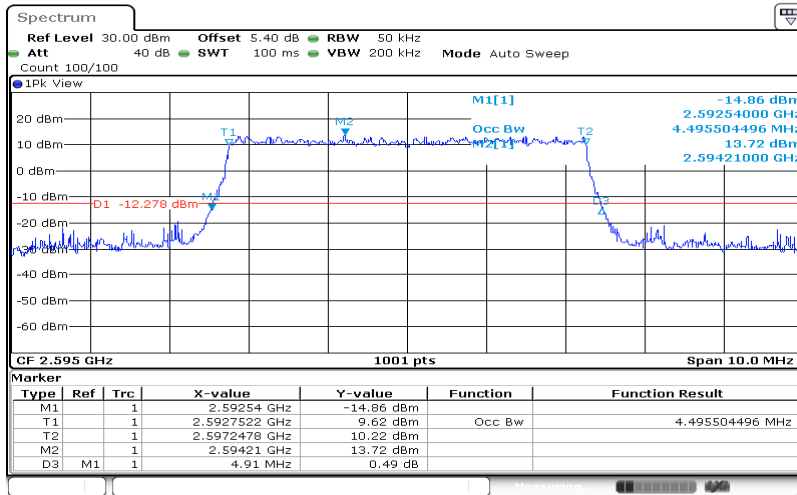
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band38-5MHz-16QAM-37775-25RB#0-4.496



Date: 29.MAY.2020 09:49:43

Band38-5MHz-16QAM-38000-25RB#0-4.496



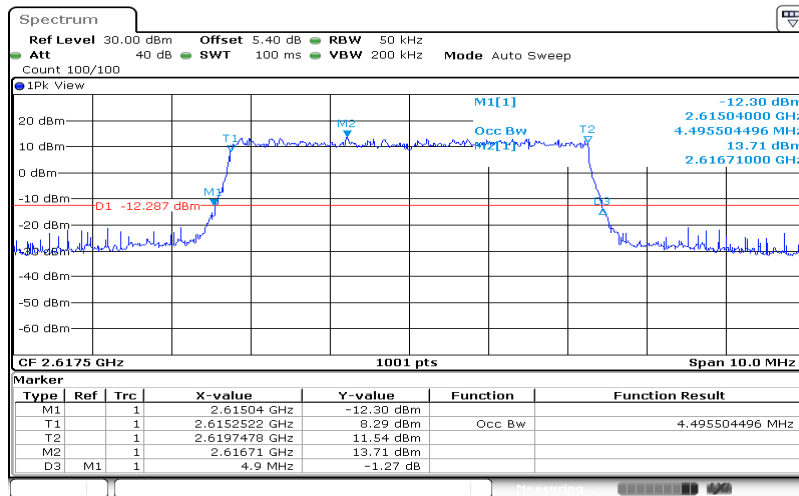
Date: 29.MAY.2020 09:50:22



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.

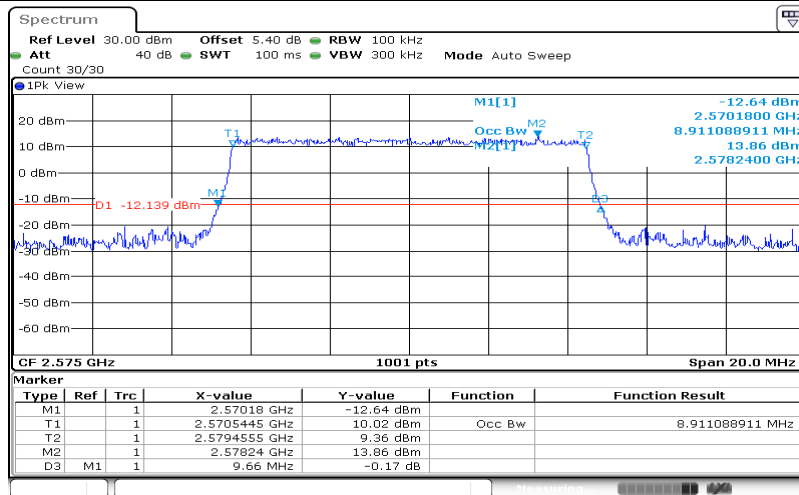
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band38-5MHz-16QAM-38225-25RB#0-4.496



Date: 29.MAY.2020 09:51:02

Band38-10MHz-QPSK-37800-50RB#0-8.911

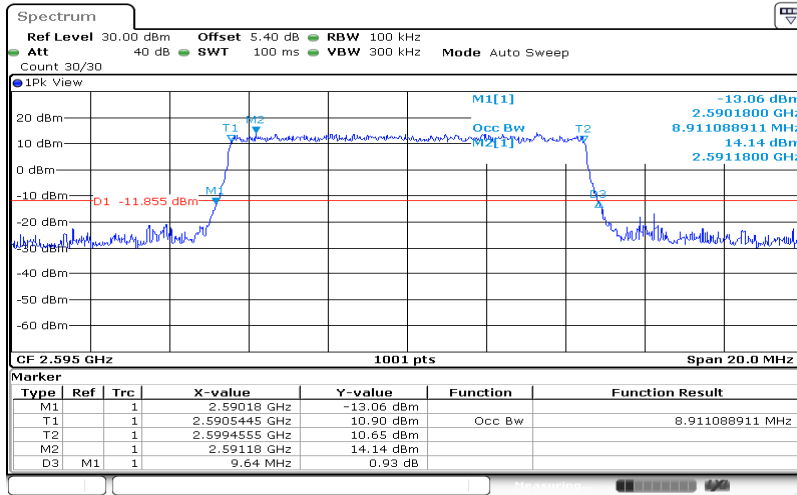


Date: 29.MAY.2020 09:51:19



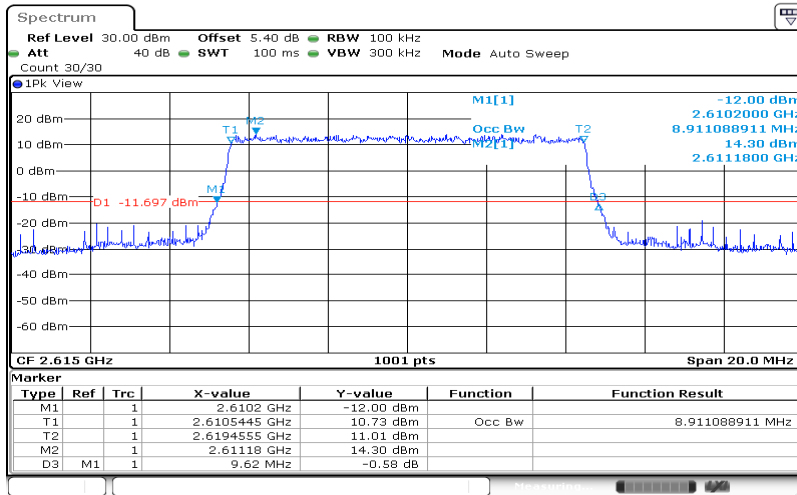
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-10MHz-QPSK-38000-50RB#0-8.911



Date: 29.MAY.2020 09:51:45

Band38-10MHz-QPSK-38200-50RB#0-8.911



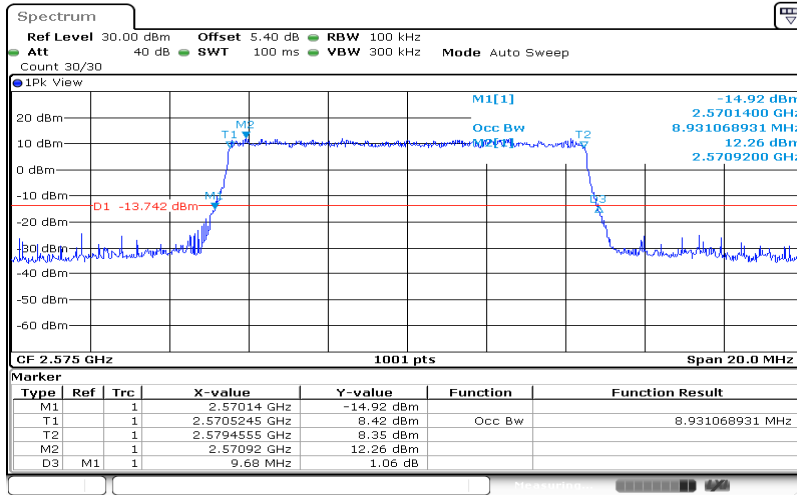
Date: 29.MAY.2020 09:52:10



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.

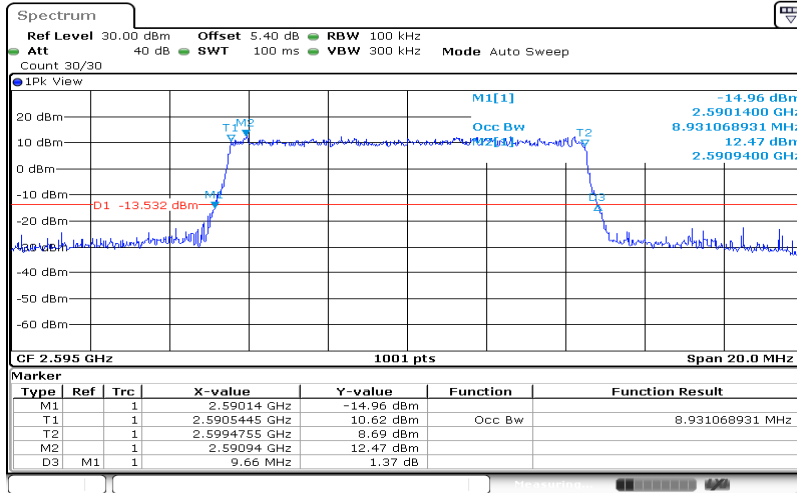
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band38-10MHz-64QAM-37800-50RB#0-8.931



Date: 31.MAY.2020 12:52:41

Band38-10MHz-64QAM-38000-50RB#0-8.931

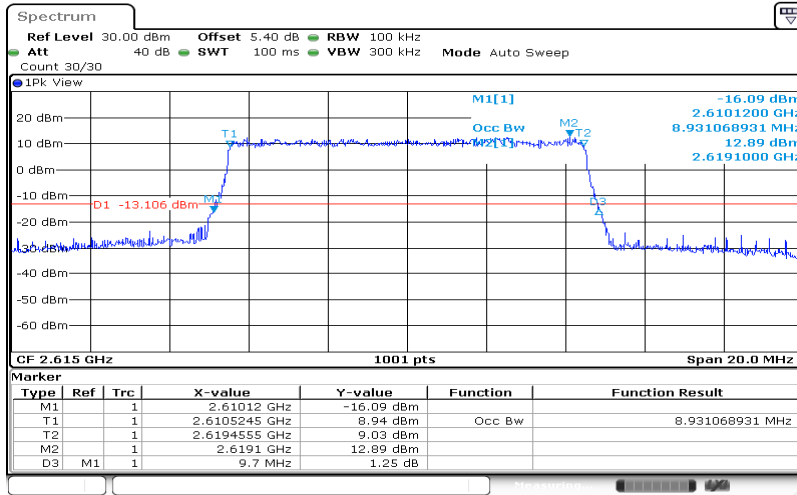


Date: 31.MAY.2020 12:52:54



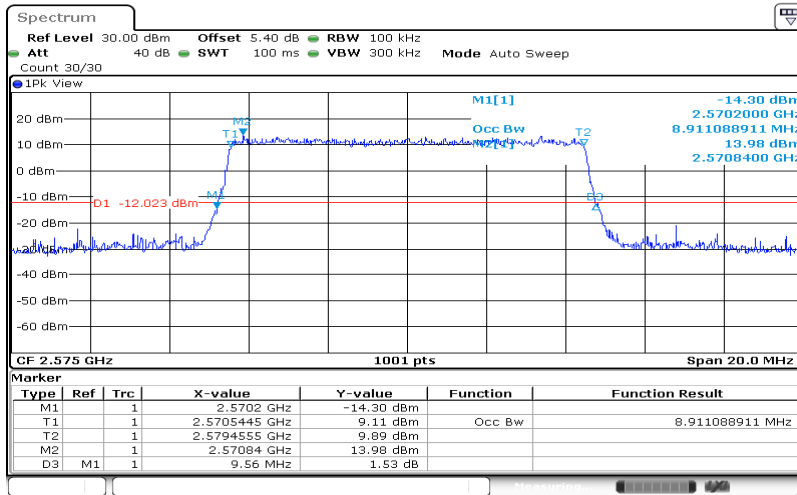
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-10MHz-64QAM-38200-50RB#0-8.931



Date: 31.MAY.2020 12:53:07

Band38-10MHz-16QAM-37800-50RB#0-8.911

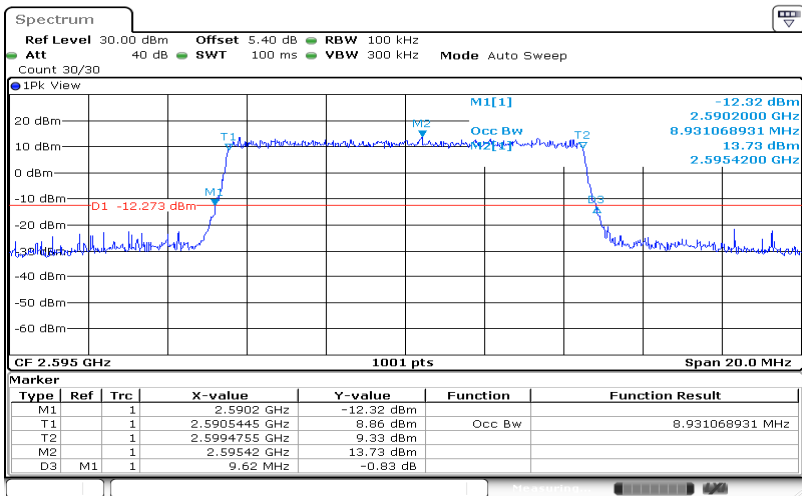


Date: 29.MAY.2020 09:51:32



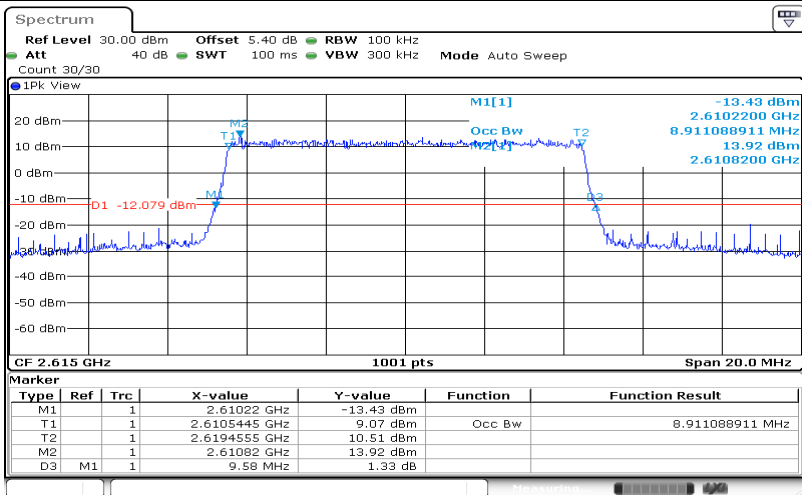
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-10MHz-16QAM-38000-50RB#0-8.931



Date: 29.MAY.2020 09:51:58

Band38-10MHz-16QAM-38200-50RB#0-8.911



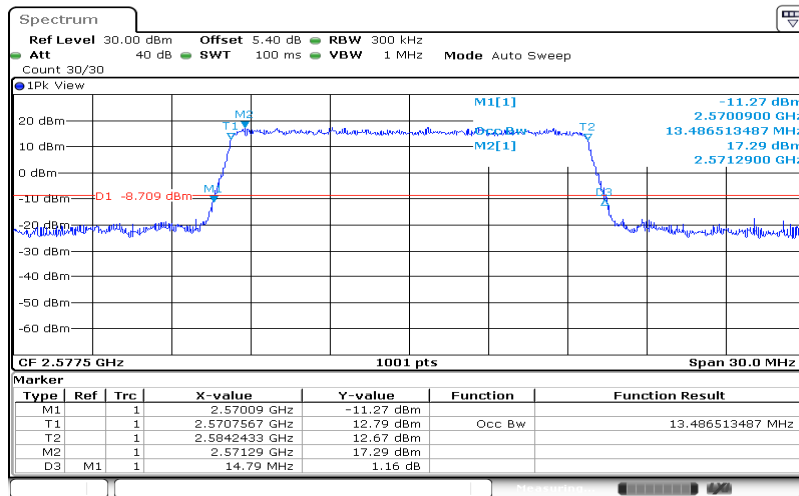
Date: 29.MAY.2020 09:52:23



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.

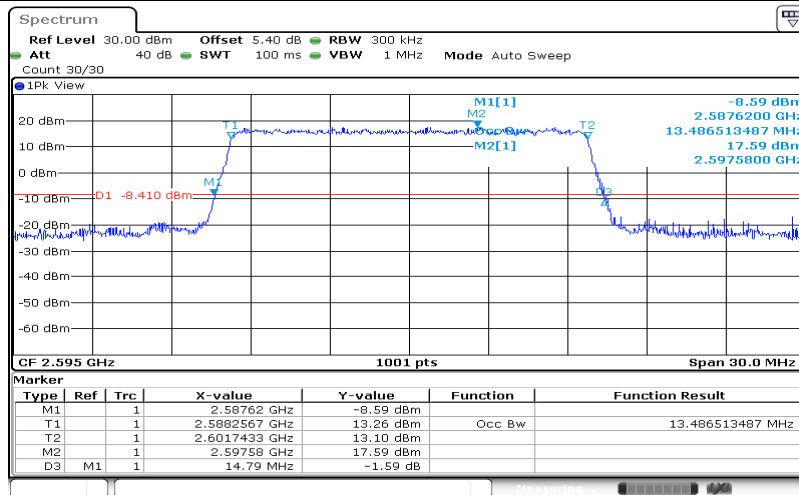


Band38-15MHz-QPSK-37825-75RB#0-13.487



Date: 29.MAY.2020 09:52:41

Band38-15MHz-QPSK-38000-75RB#0-13.487

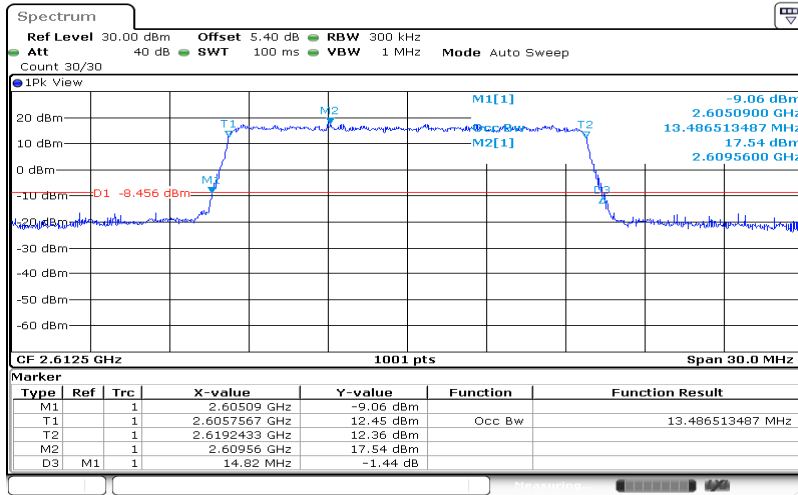


Date: 29.MAY.2020 09:53:06



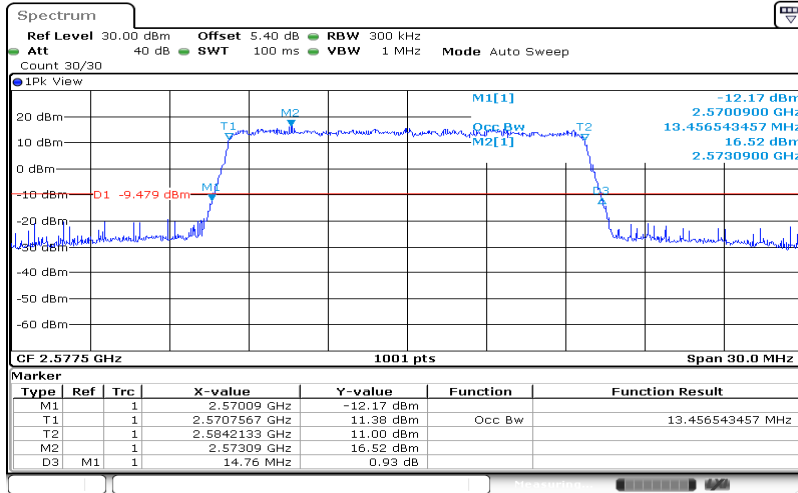
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-15MHz-QPSK-38175-75RB#0-13.487



Date: 29.MAY.2020 09:53:31

Band38-15MHz-64QAM-37825-75RB#0-13.457



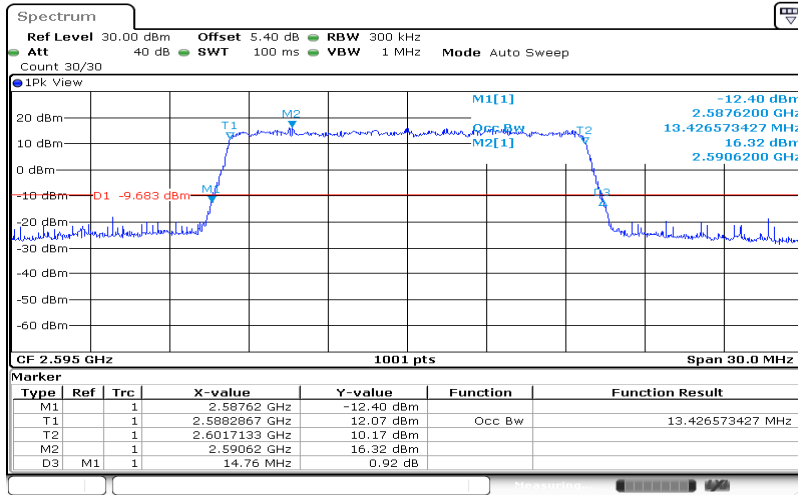
Date: 31.MAY.2020 12:53:25



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.

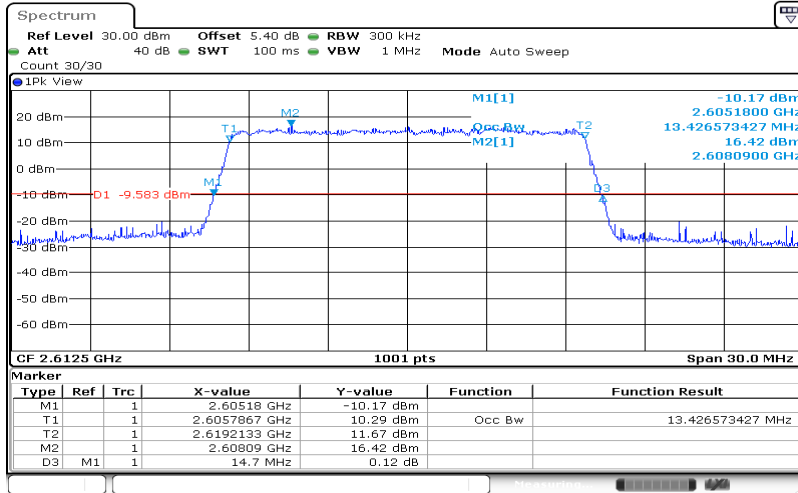
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band38-15MHz-64QAM-38000-75RB#0-13.427



Date: 31.MAY.2020 12:53:38

Band38-15MHz-64QAM-38175-75RB#0-13.427

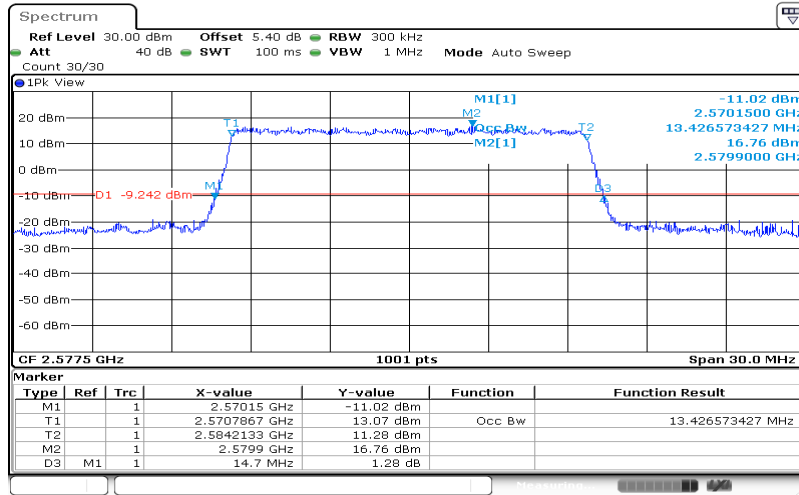


Date: 31.MAY.2020 12:53:51



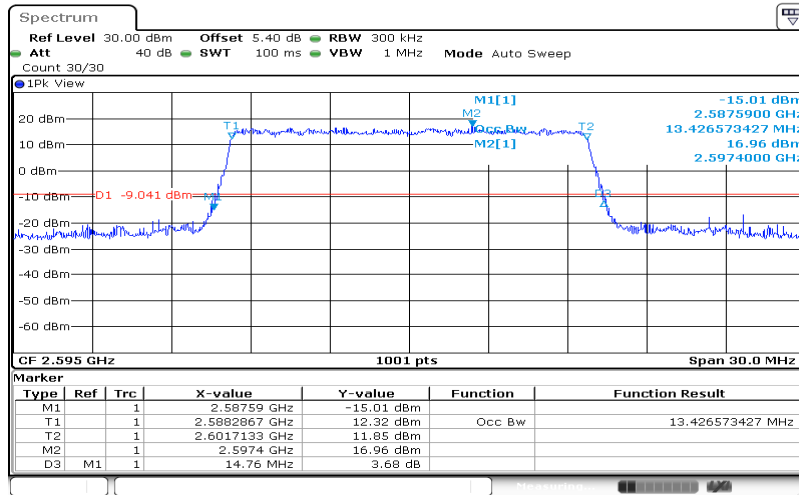
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-15MHz-16QAM-37825-75RB#0-13.427



Date: 29.MAY.2020 09:52:53

Band38-15MHz-16QAM-38000-75RB#0-13.427

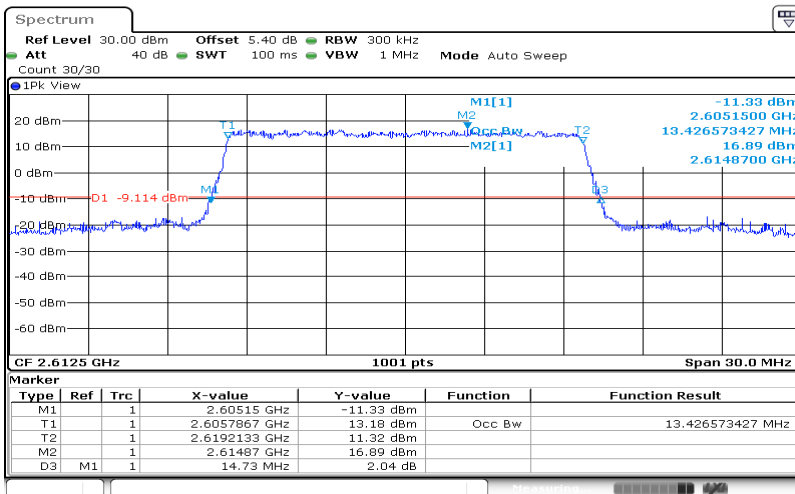


Date: 29.MAY.2020 09:53:19



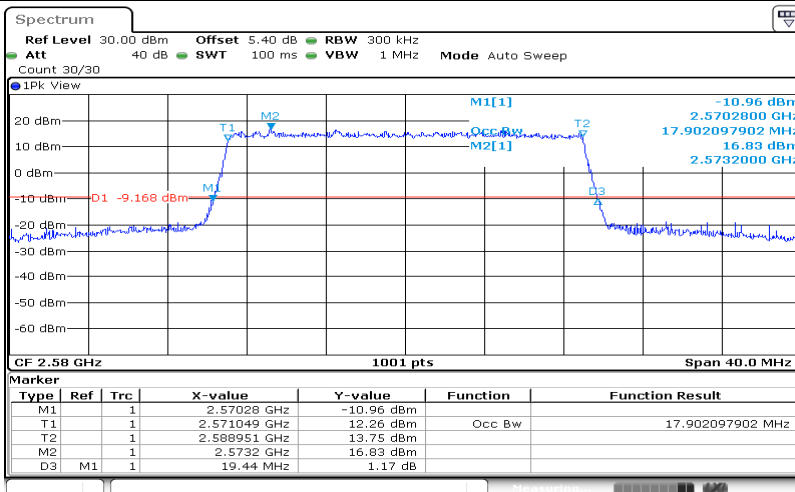
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-15MHz-16QAM-38175-75RB#0-13.427



Date: 29.MAY.2020 09:53:44

Band38-20MHz-QPSK-37850-100RB#0-17.902

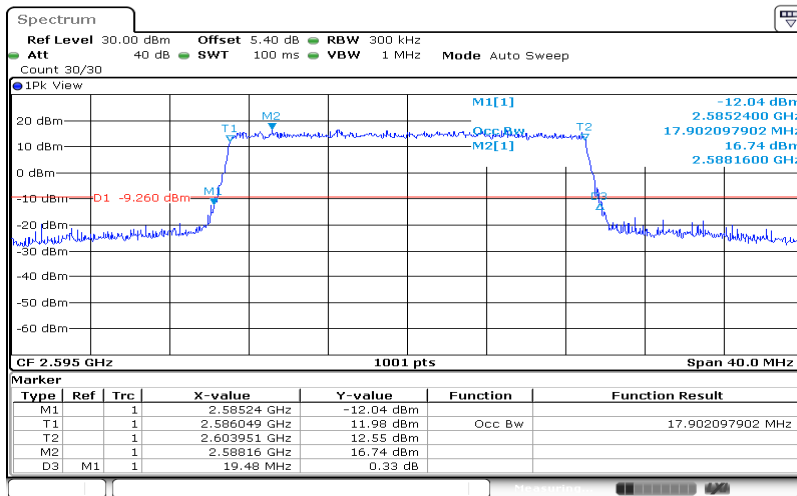


Date: 29.MAY.2020 09:54:02



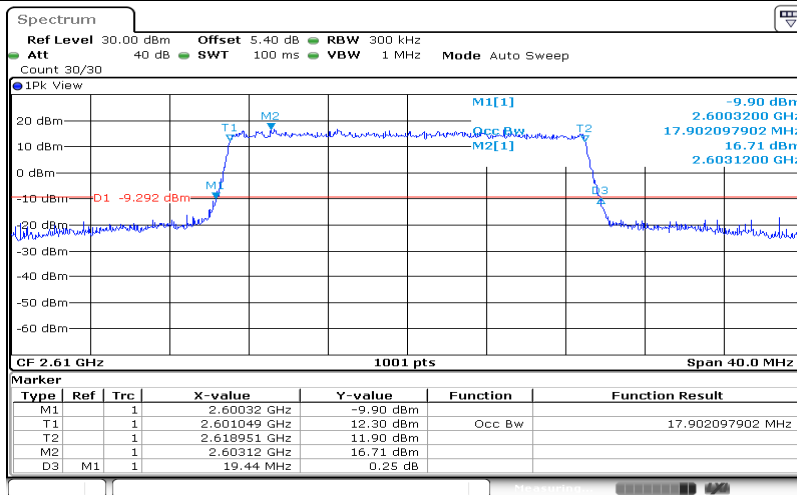
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-20MHz-QPSK-38000-100RB#0-17.902



Date: 29.MAY.2020 09:54:27

Band38-20MHz-QPSK-38150-100RB#0-17.902

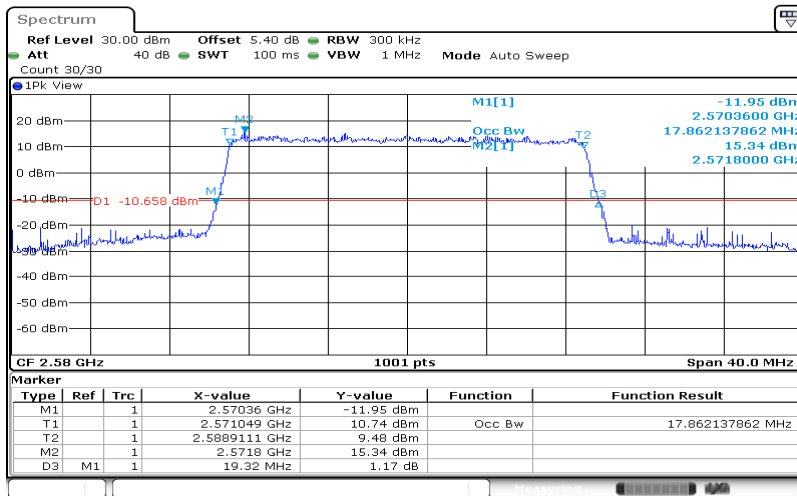


Date: 29.MAY.2020 09:54:53



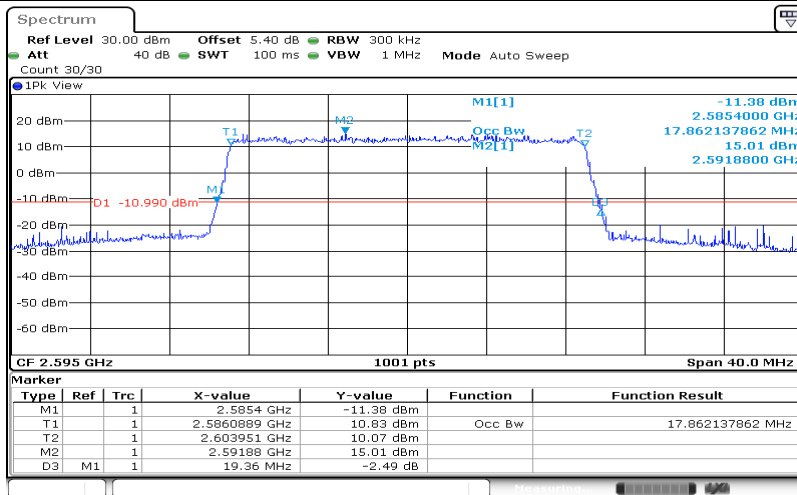
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-20MHz-64QAM-37850-100RB#0-17.862



Date: 31.MAY.2020 12:54:12

Band38-20MHz-64QAM-38000-100RB#0-17.862

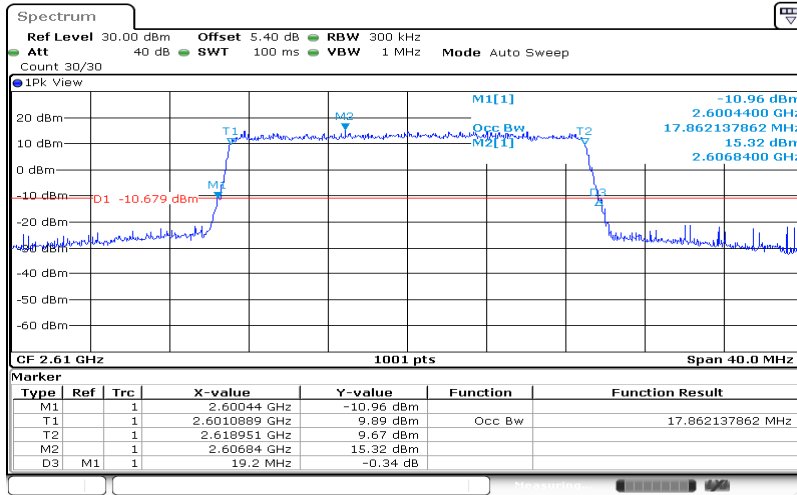


Date: 31.MAY.2020 12:54:25



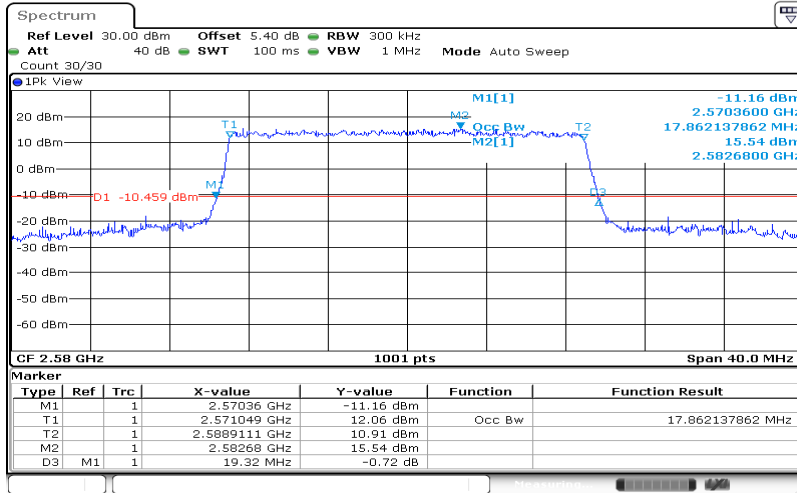
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band38-20MHz-64QAM-38150-100RB#0-17.862



Date: 31.MAY.2020 12:54:38

Band38-20MHz-16QAM-37850-100RB#0-17.862



Date: 29.MAY.2020 09:54:14

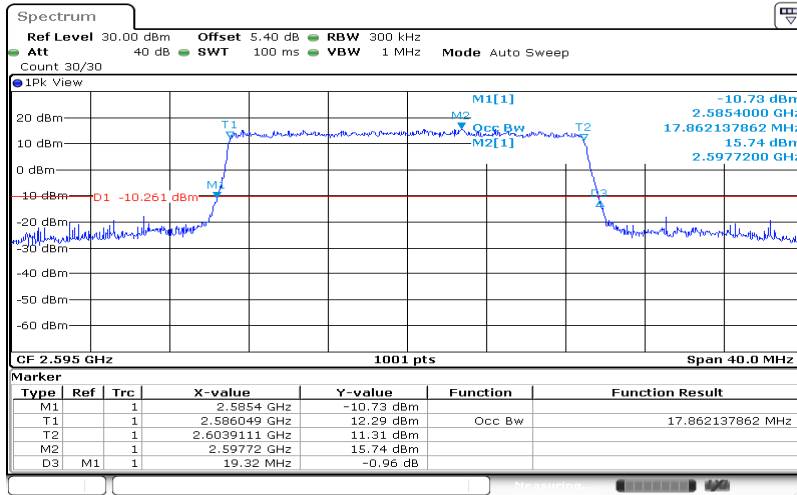


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

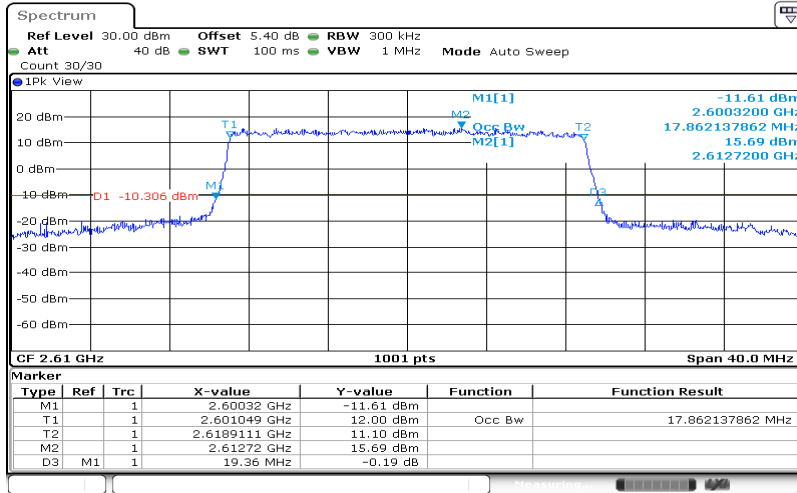


Band38-20MHz-16QAM-38000-100RB#0-17.862



Date: 29.MAY.2020 09:54:40

Band38-20MHz-16QAM-38150-100RB#0-17.862



Date: 29.MAY.2020 09:55:05

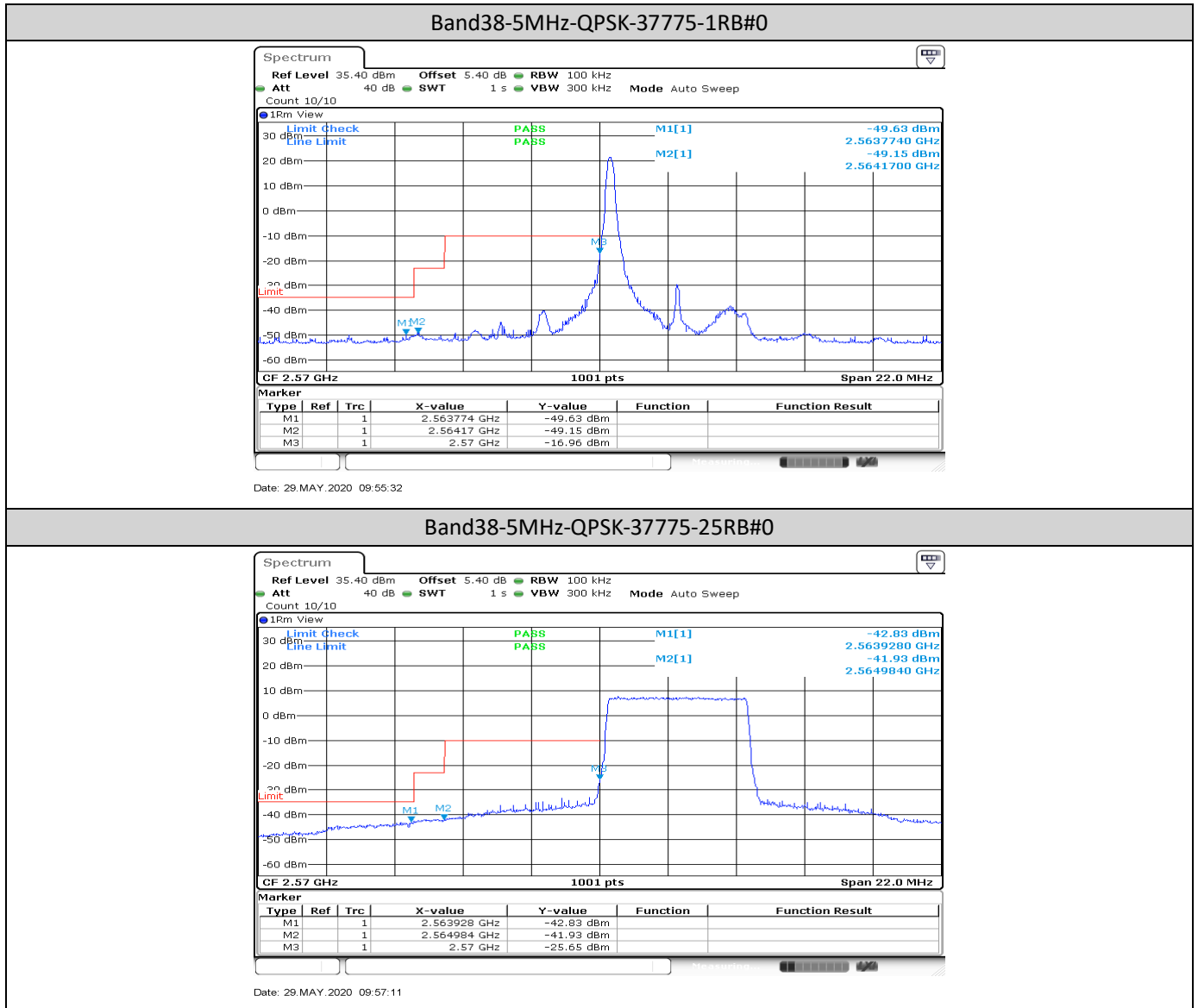


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

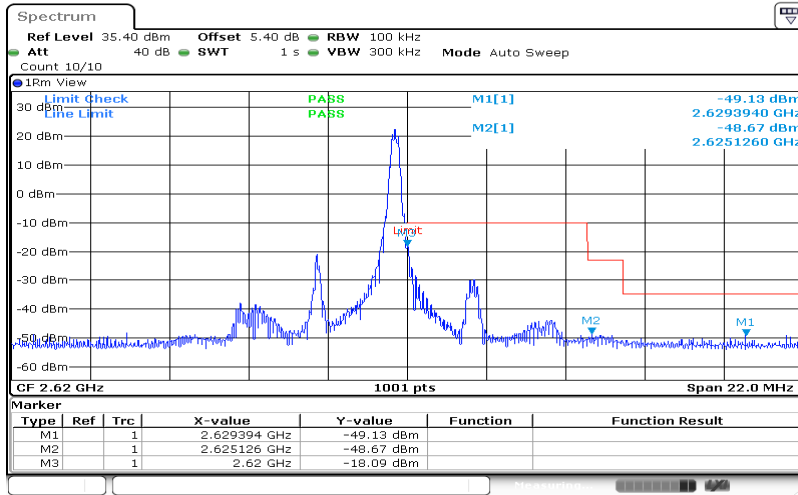
5. Band Edge Compliance

5.1. Test Plots



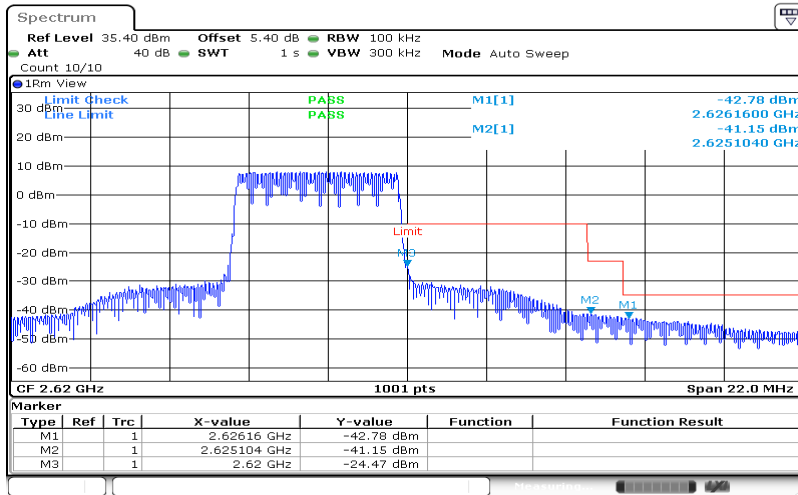
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 1.JUN 2020 11:27:33

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



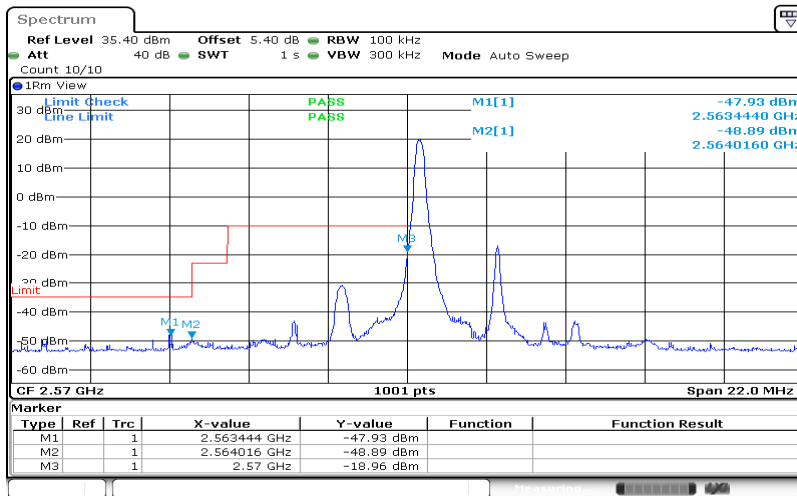
Date: 1.JUN 2020 11:28:21



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.

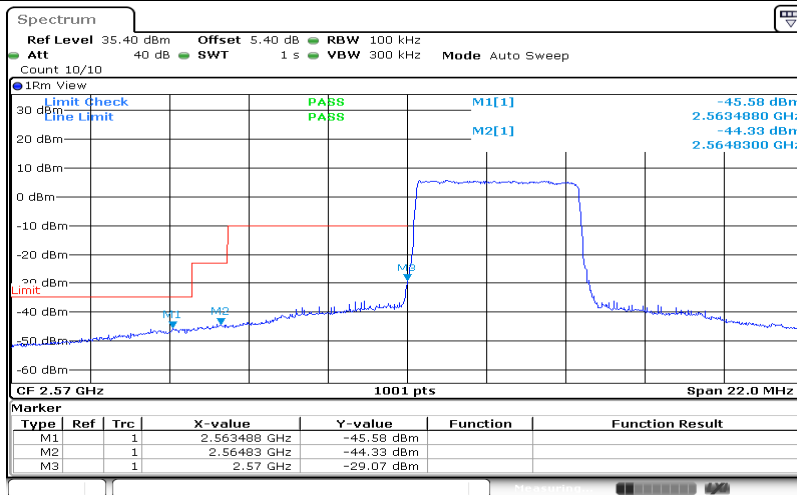
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31.MAY.2020 12:57:26

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



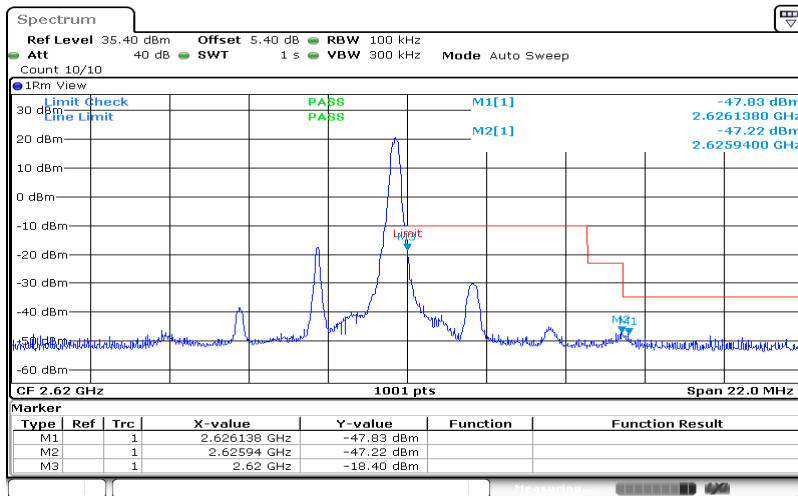
Date: 31.MAY.2020 12:58:50



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.

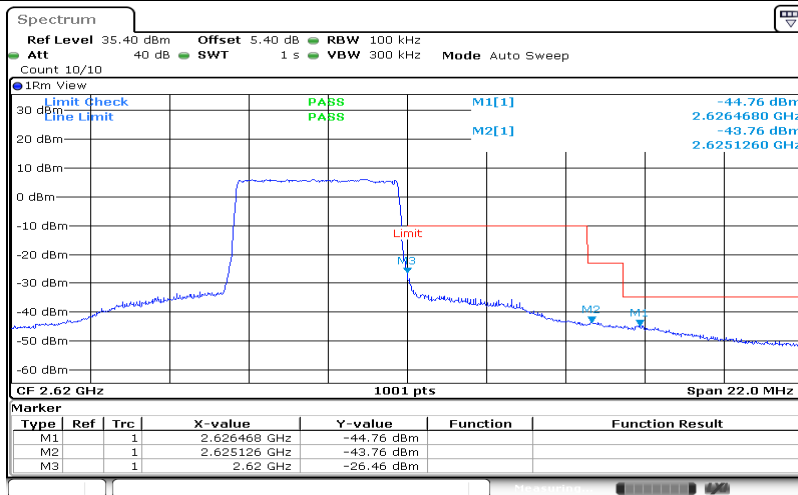
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31.MAY.2020 12:58:14

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

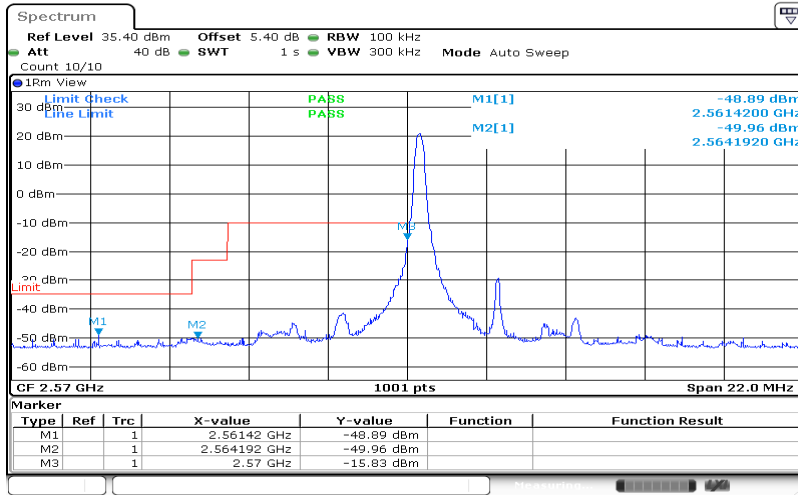


Date: 31.MAY.2020 12:59:43



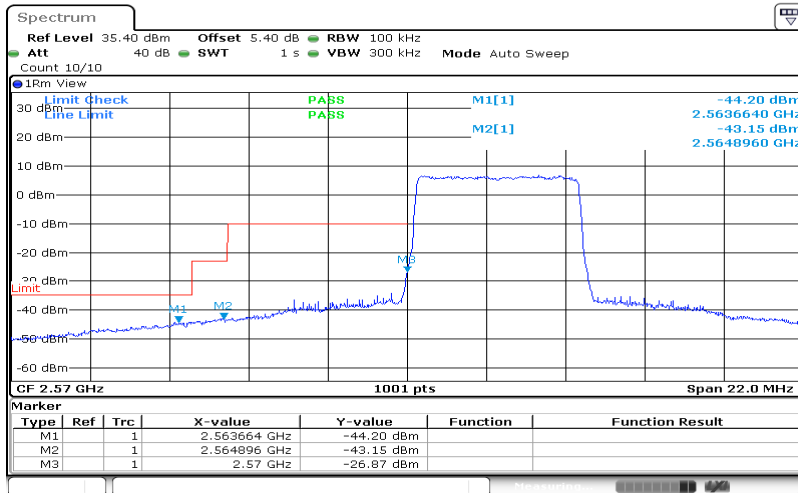
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 09:55:53

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

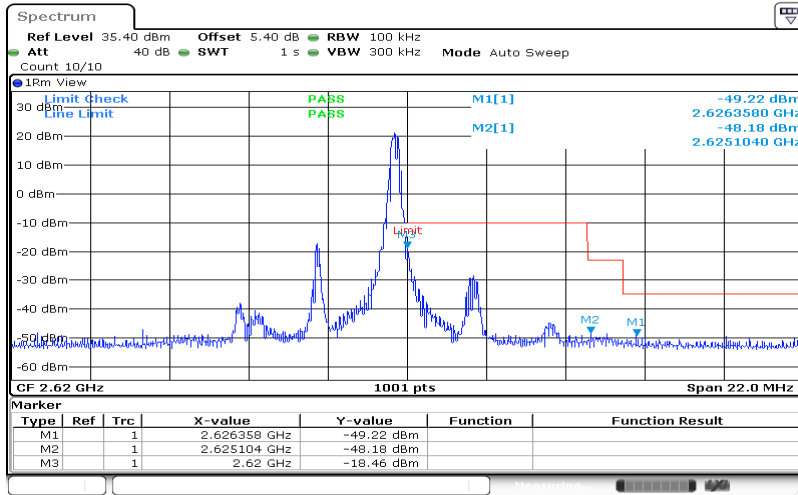


Date: 29.MAY.2020 09:57:33



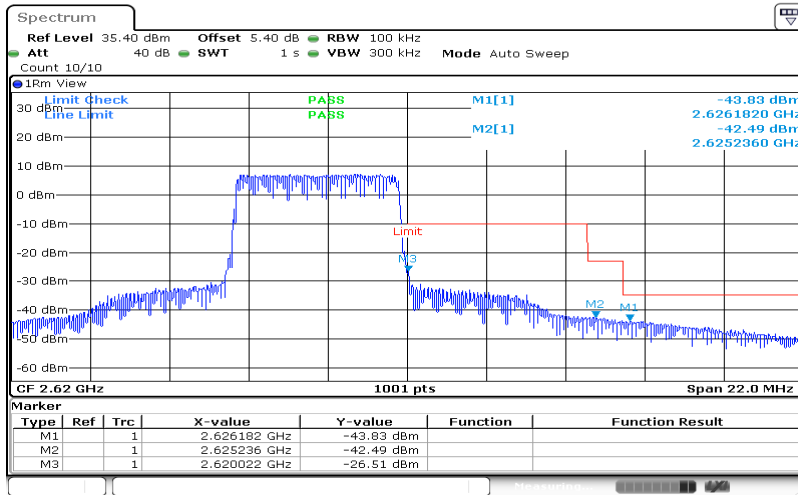
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 1.JUN 2020 11:27:55

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

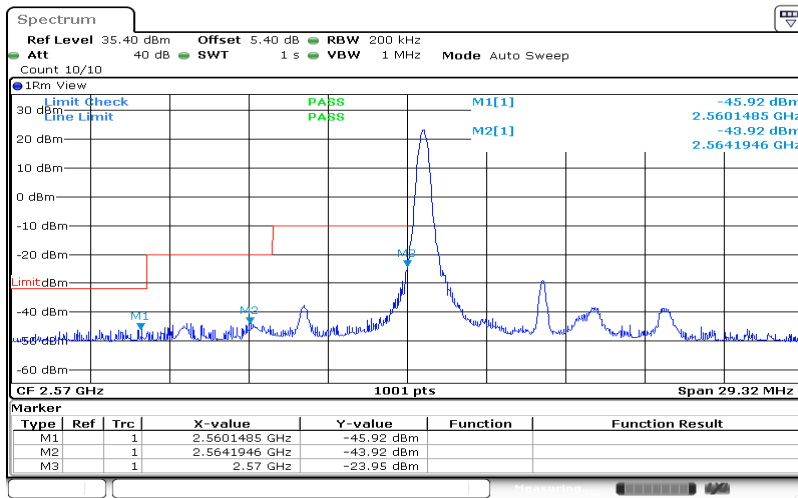


Date: 1.JUN 2020 11:28:42



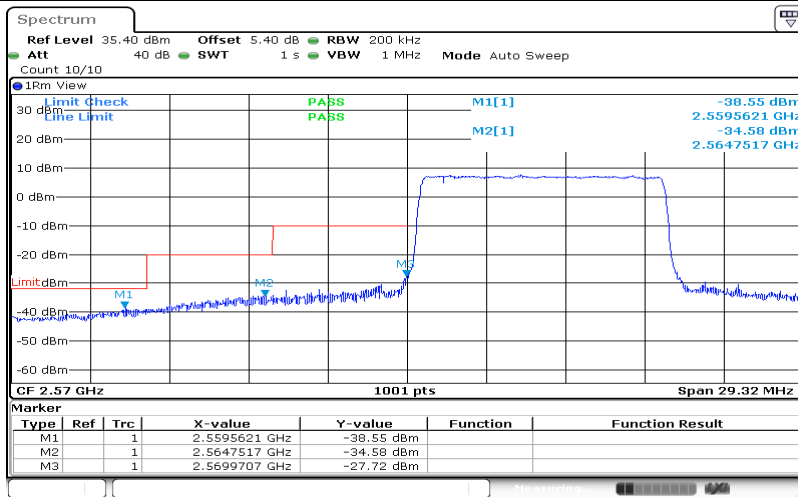
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 09:58:43

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

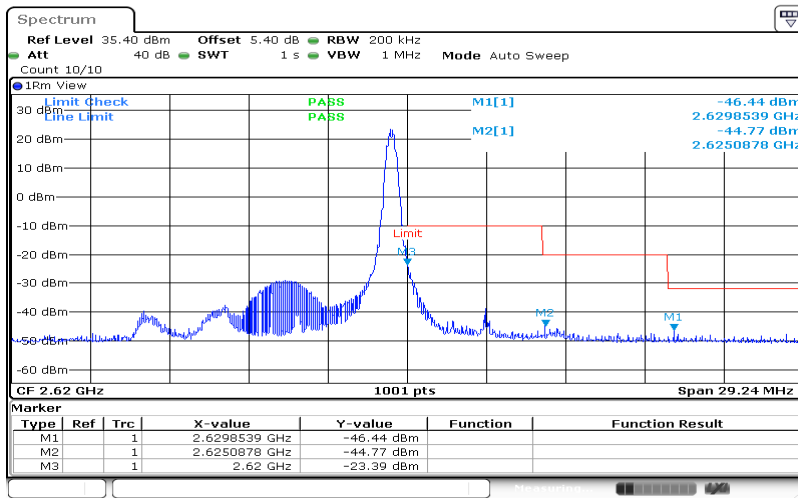


Date: 29.MAY.2020 10:00:18



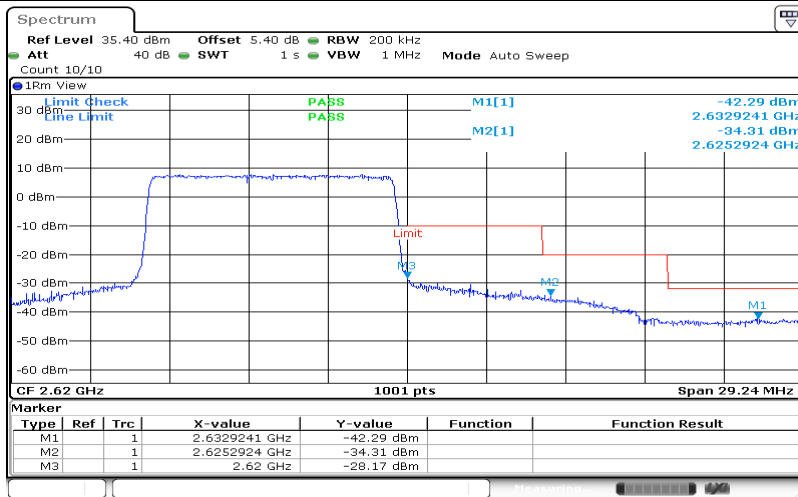
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 09:59:30

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

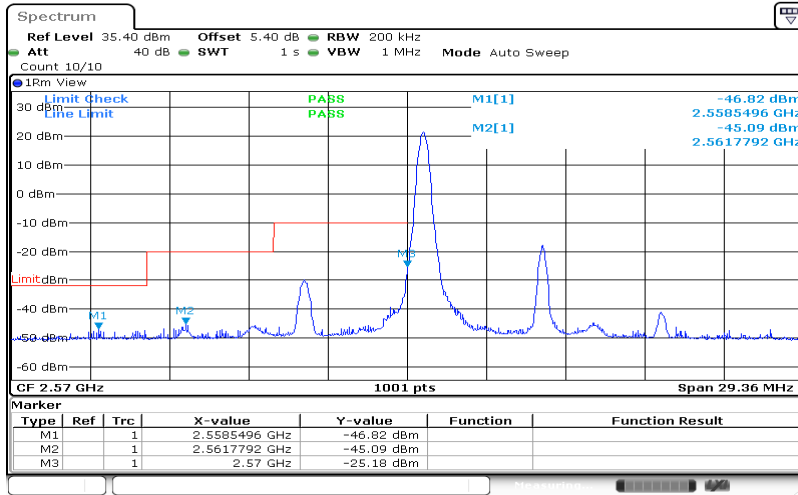


Date: 29.MAY.2020 10:01:01



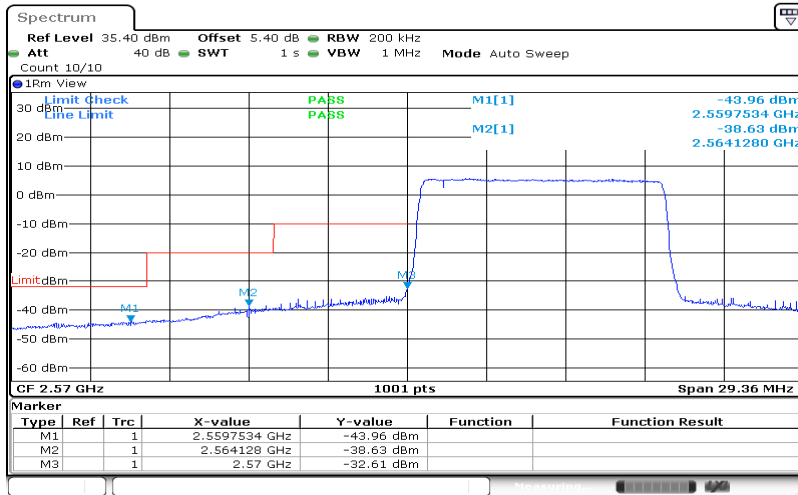
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:00:10

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

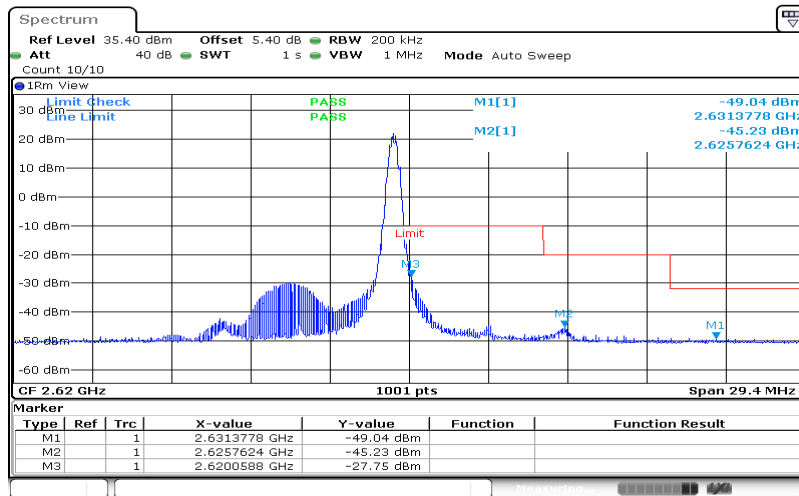


Date: 31.MAY.2020 13:01:09



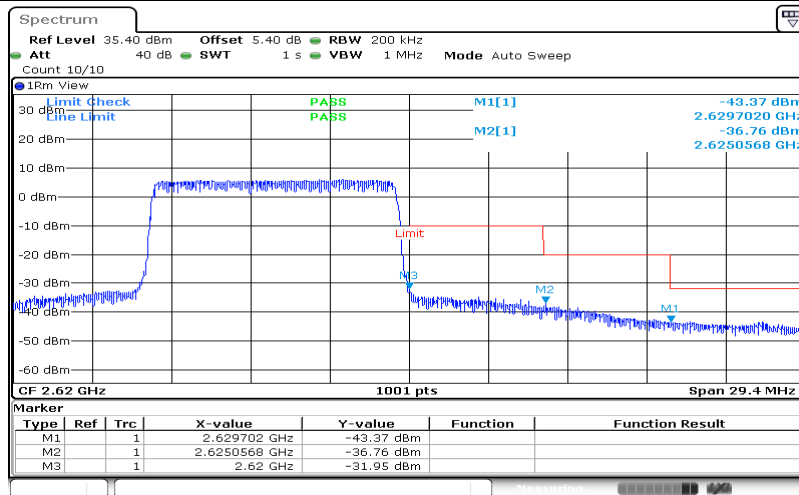
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:00:42

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

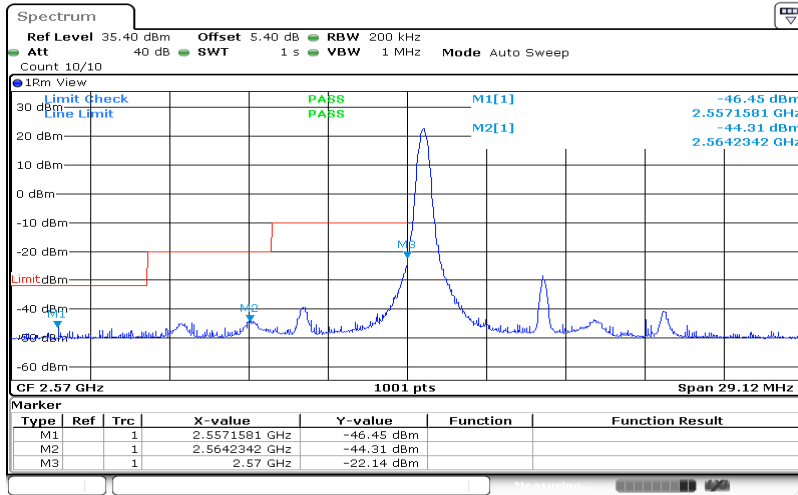


Date: 31.MAY.2020 13:01:30



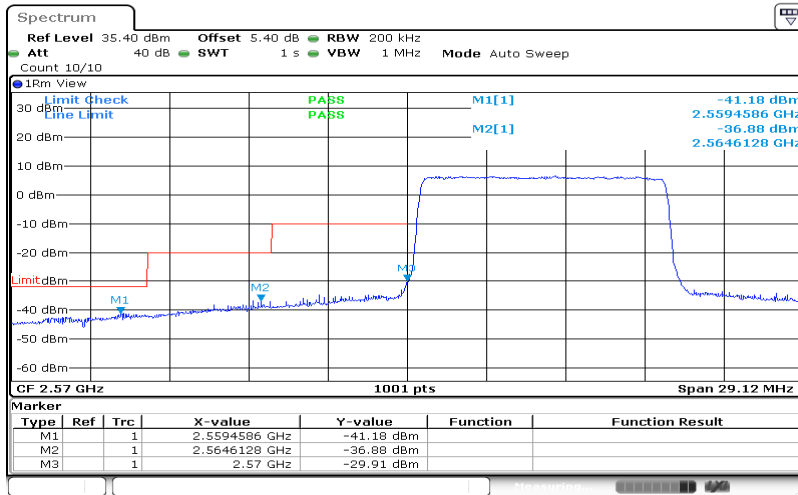
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 09:59:04

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



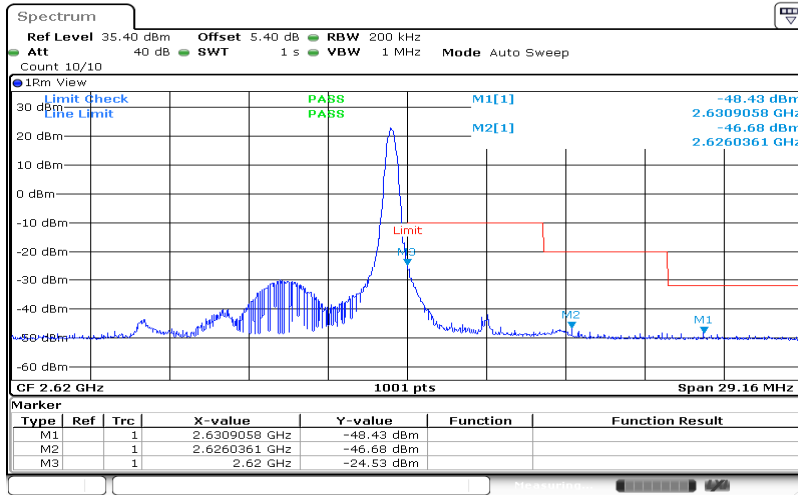
Date: 29.MAY.2020 10:00:39



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.

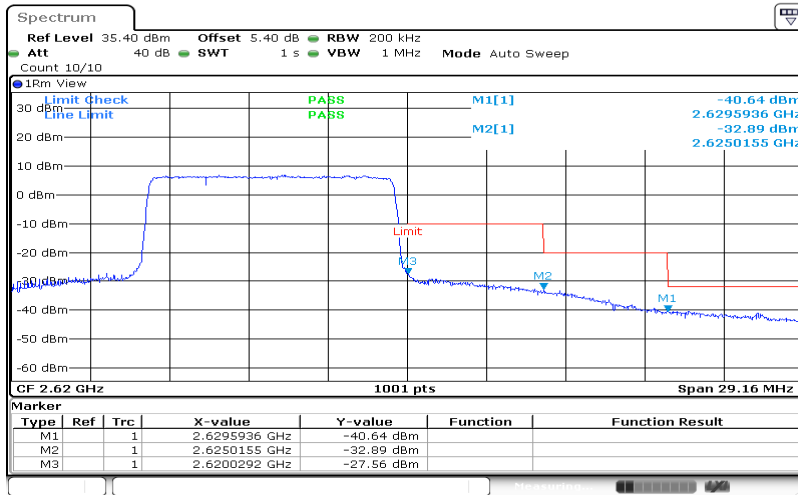
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 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-38200-1RB#49



Date: 29.MAY.2020 09:59:52

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

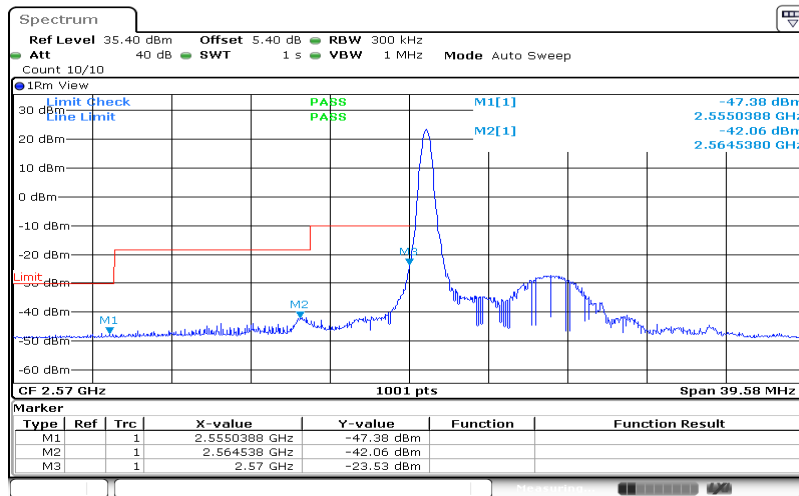


Date: 29.MAY.2020 10:01:23



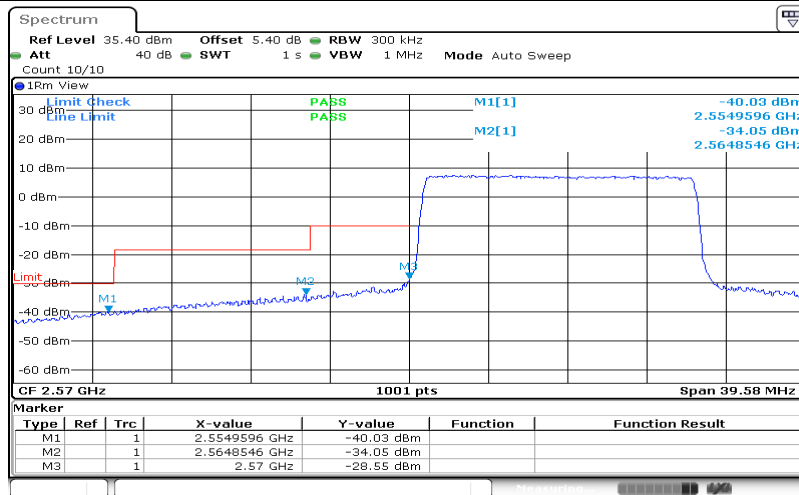
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10:01:49

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

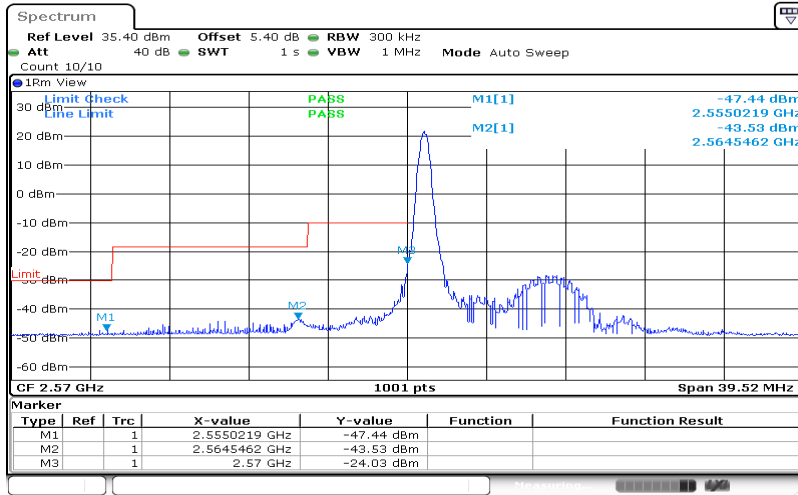


Date: 29.MAY.2020 10:03:25



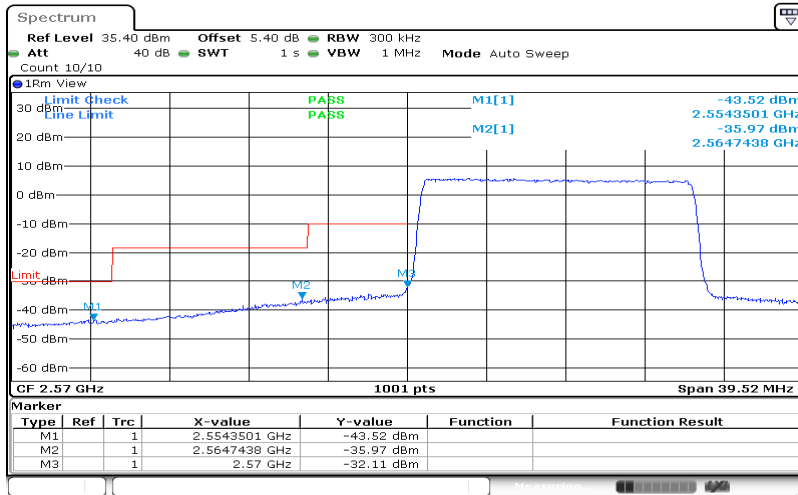
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:01:57

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

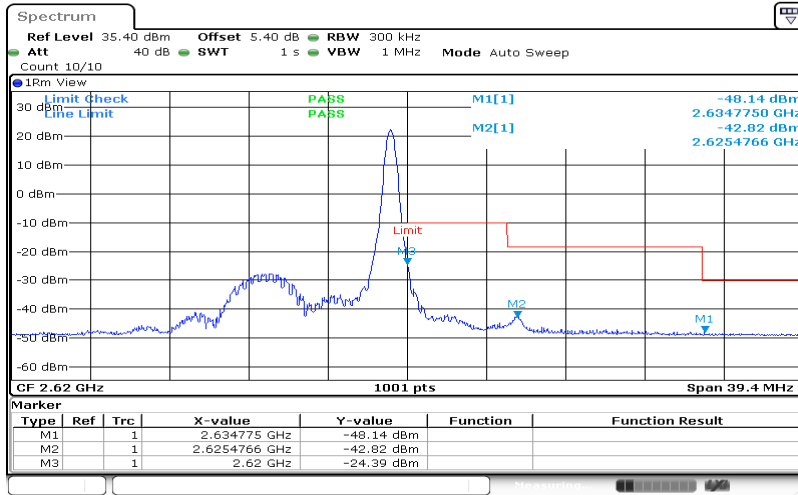


Date: 31.MAY.2020 13:02:55



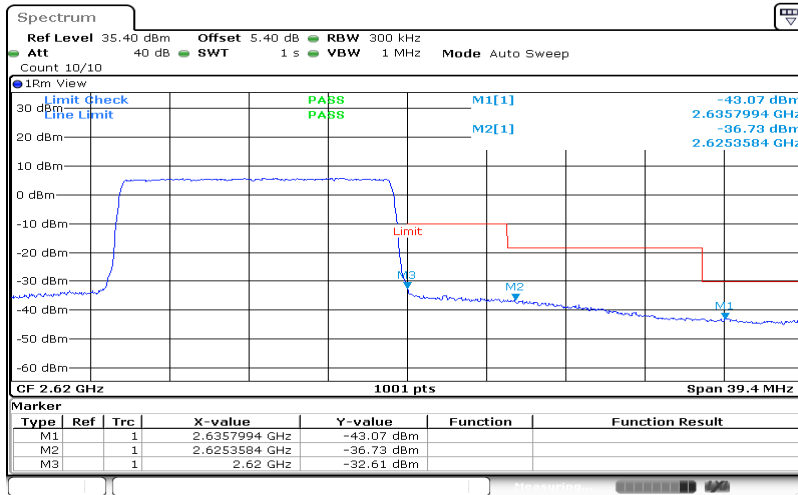
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:02:29

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

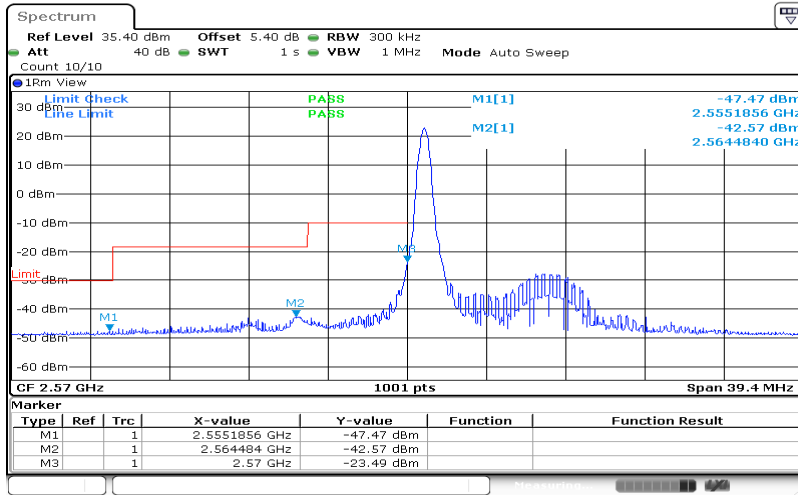


Date: 31.MAY.2020 13:03:17



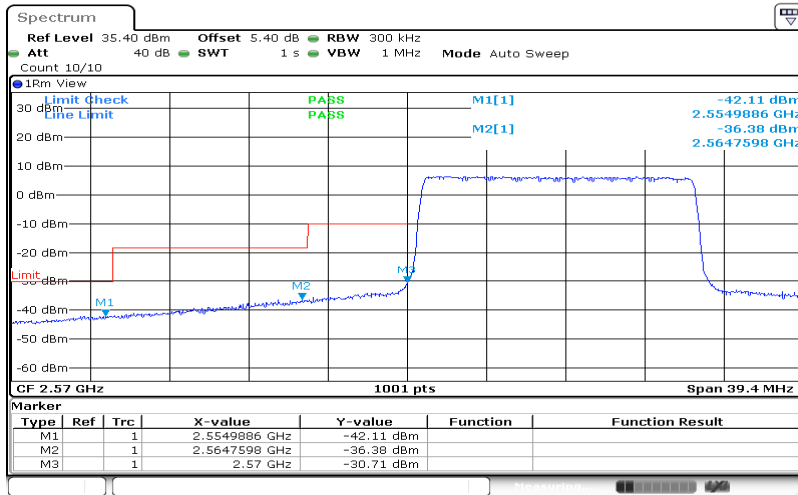
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10:02:11

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



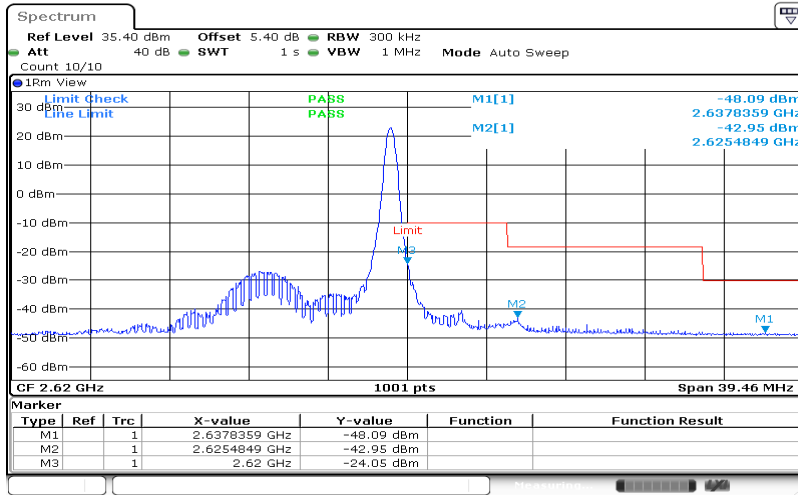
Date: 29.MAY.2020 10:03:46



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.

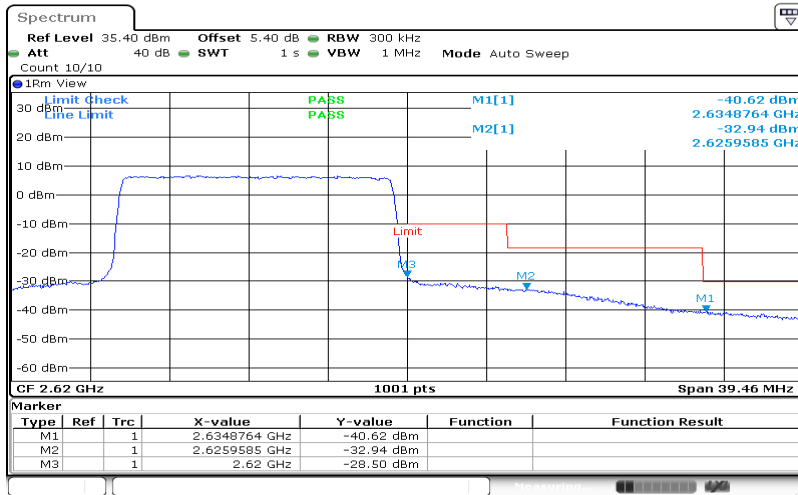
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 29.MAY.2020 10:02:59

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

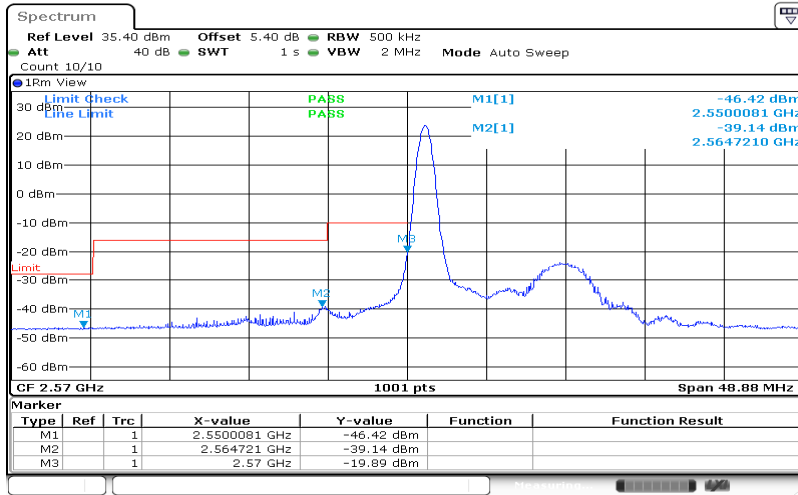


Date: 29.MAY.2020 10:04:30



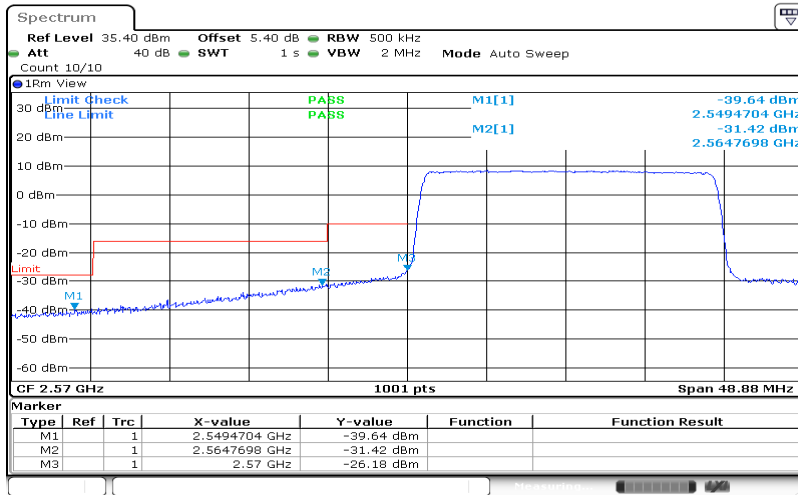
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-37850-1RB#0



Date: 29.MAY.2020 10:04:58

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

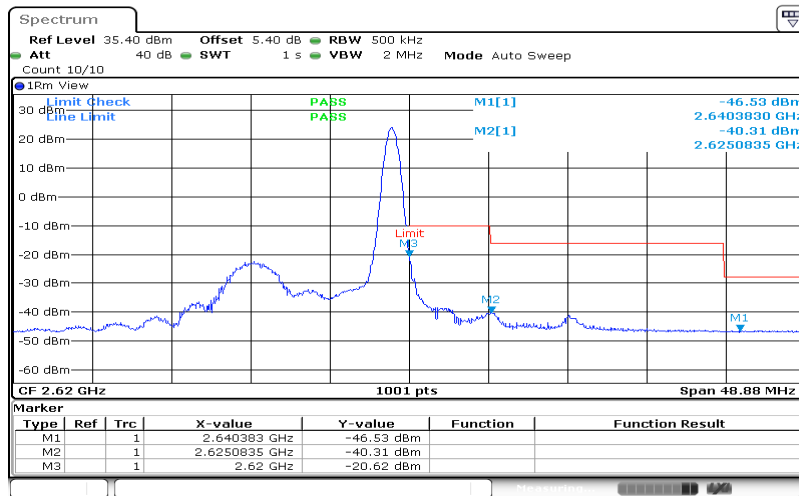


Date: 29.MAY.2020 10:06:33



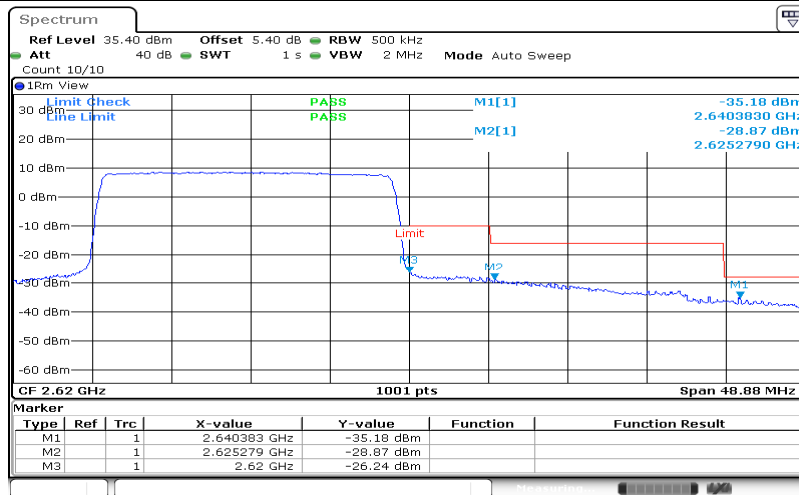
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10:05:45

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



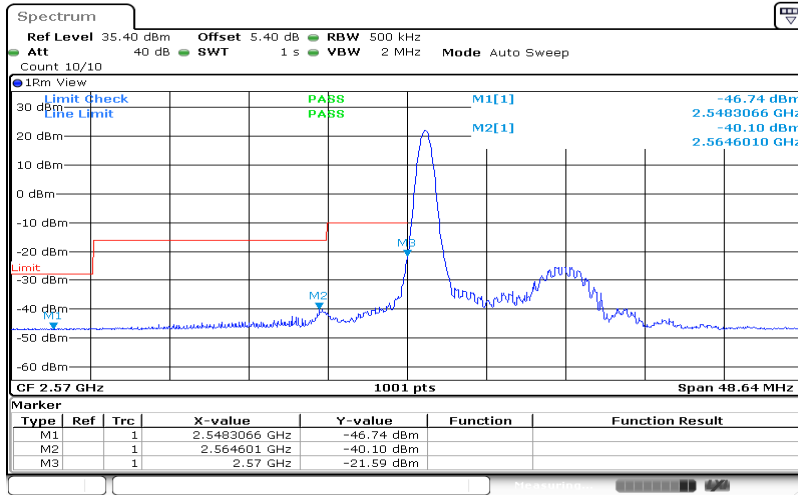
Date: 29.MAY.2020 10:07:16



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.

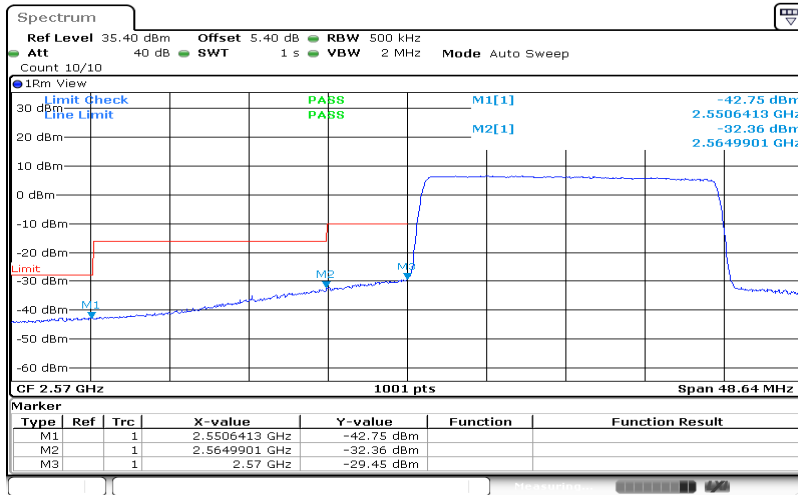
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31.MAY.2020 13:03:44

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

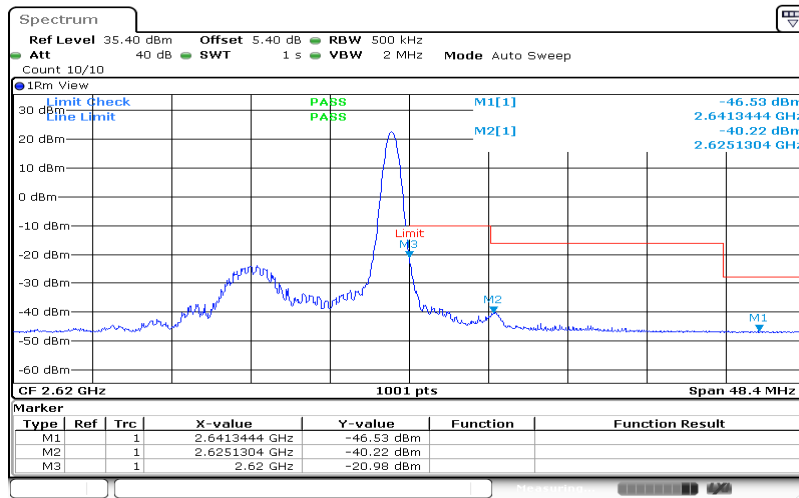


Date: 31.MAY.2020 13:04:37



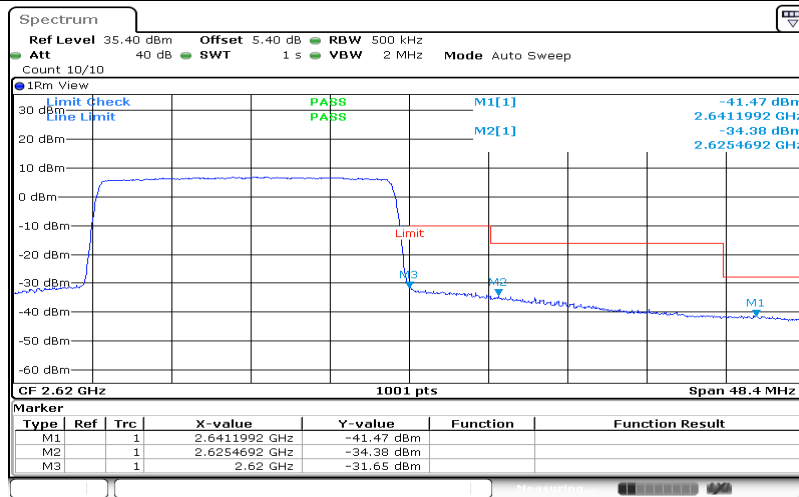
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:04:10

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

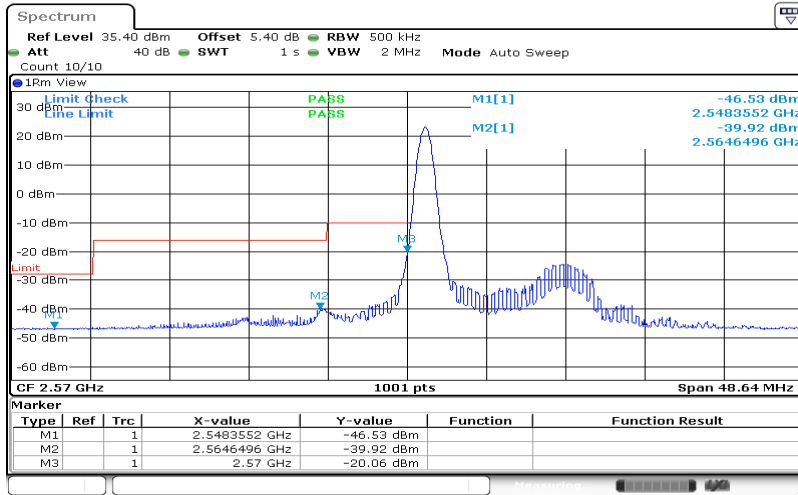


Date: 31.MAY.2020 13:04:59



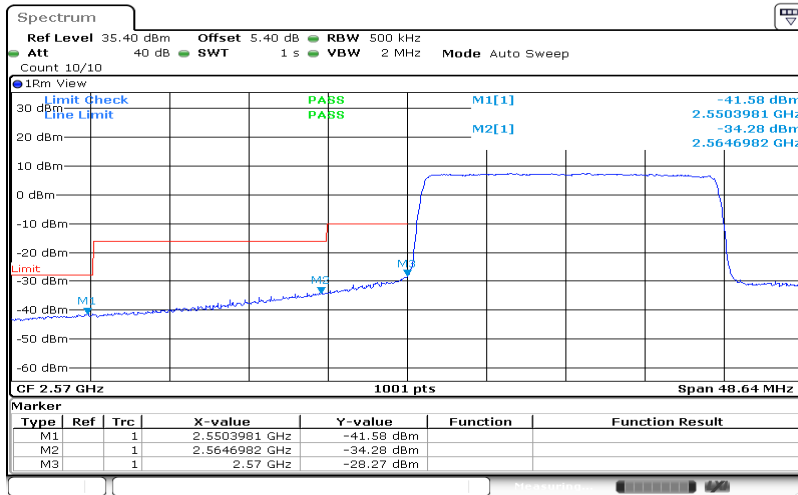
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10:05:19

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

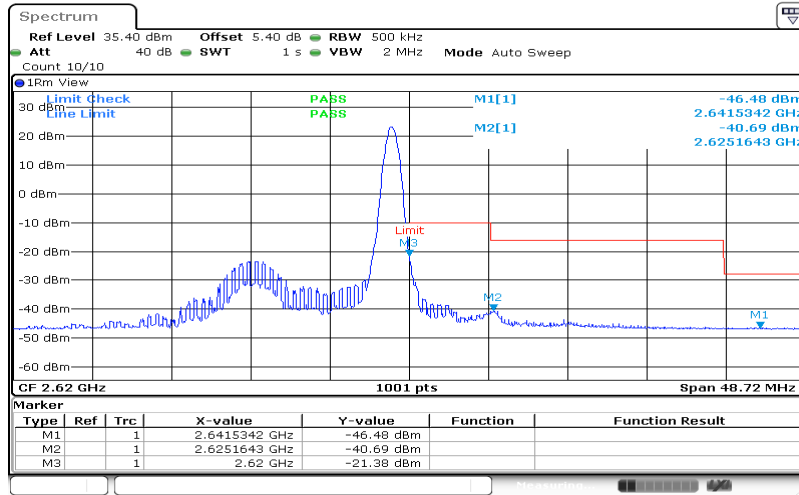


Date: 29.MAY.2020 10:06:54



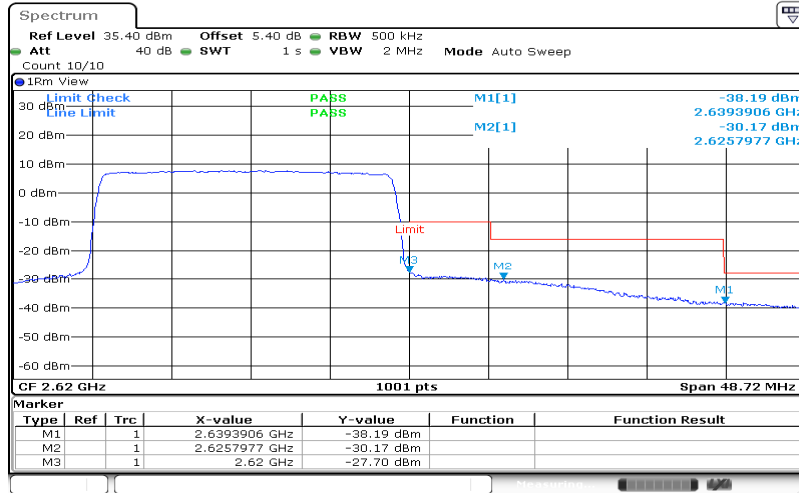
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10:06:07

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



Date: 29.MAY.2020 10:07:38



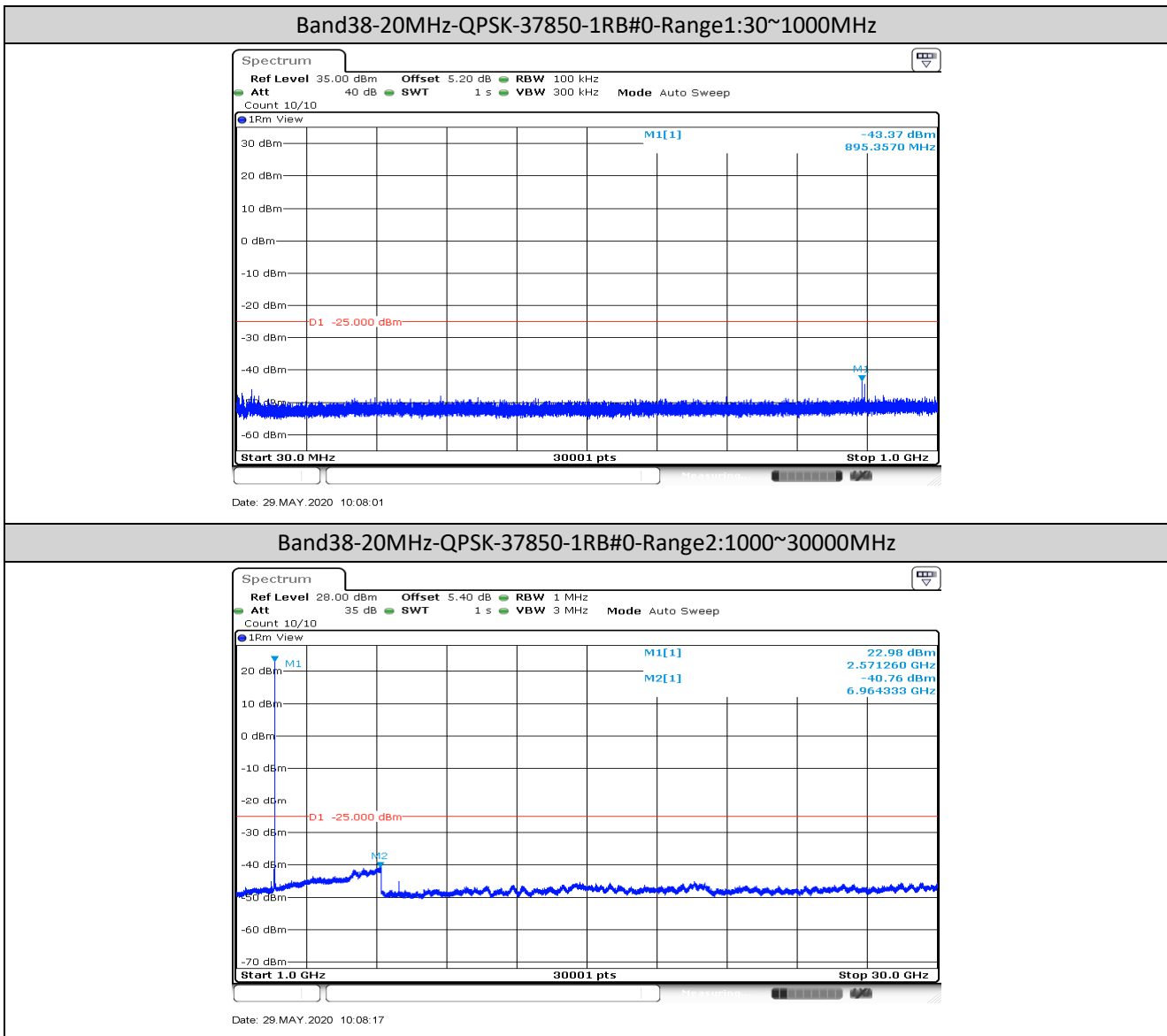
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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 = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

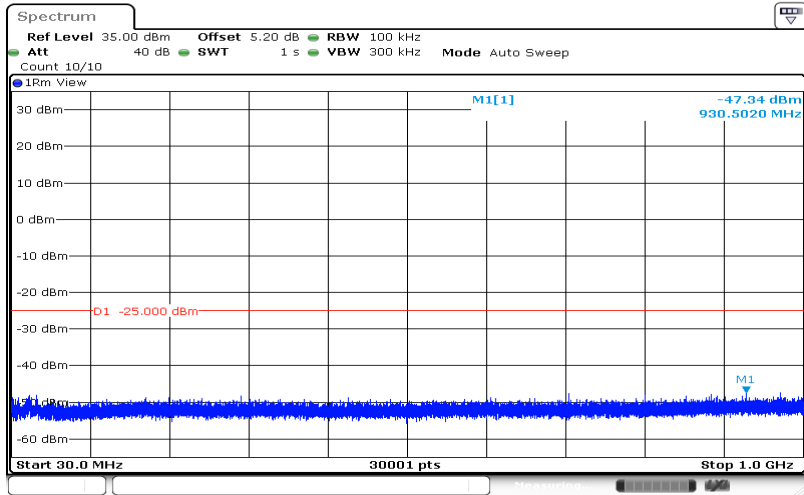
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



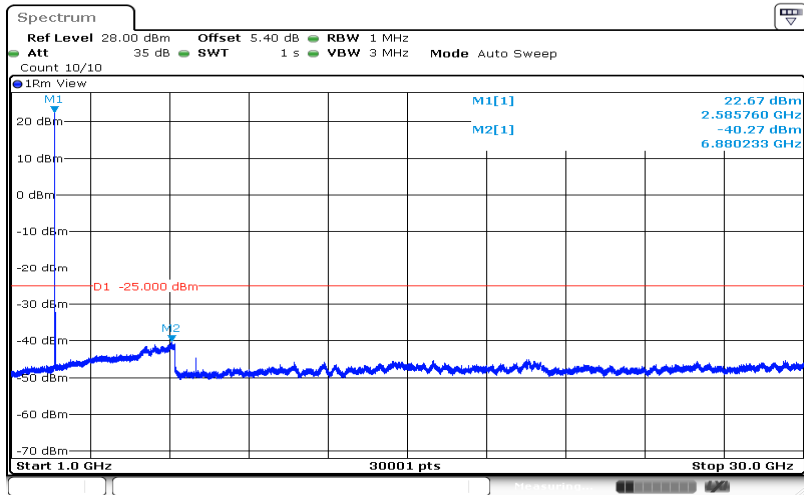
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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-38000-1RB#0-Range1:30~100MHz



Date: 29.MAY.2020 10:09:12

Band38-20MHz-QPSK-38000-1RB#0-Range2:100~30000MHz

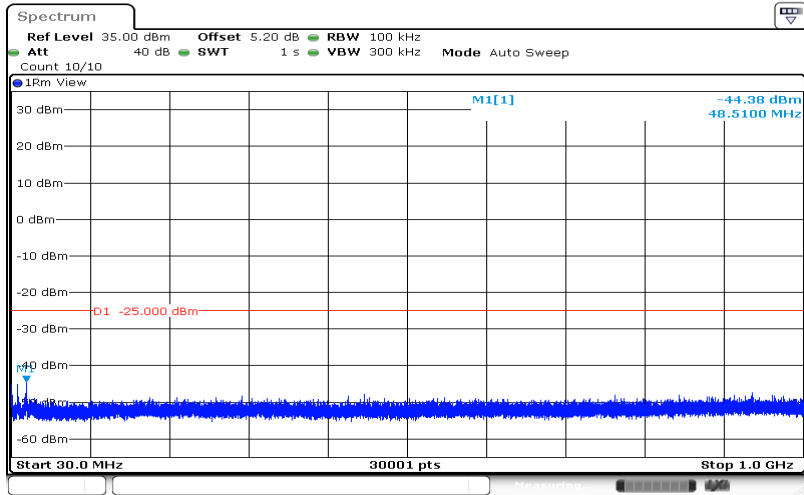


Date: 29.MAY.2020 10:09:28



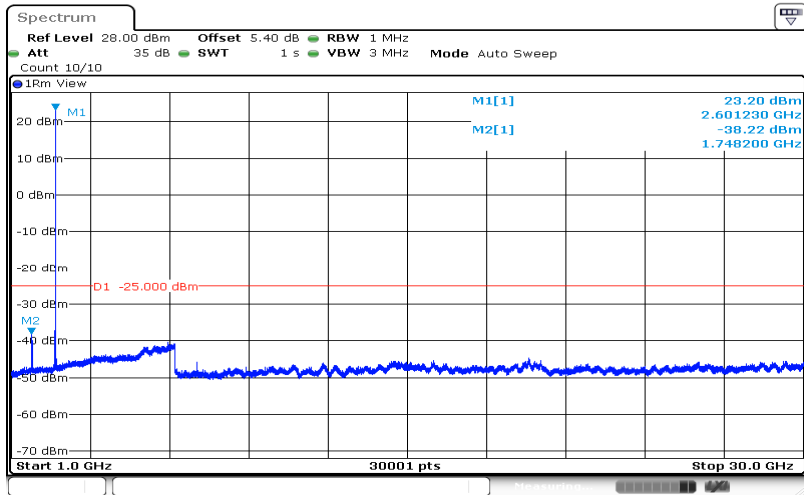
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-Range1:30~100MHz



Date: 29.MAY.2020 10:10:23

Band38-20MHz-QPSK-38150-1RB#0-Range2:100~30000MHz

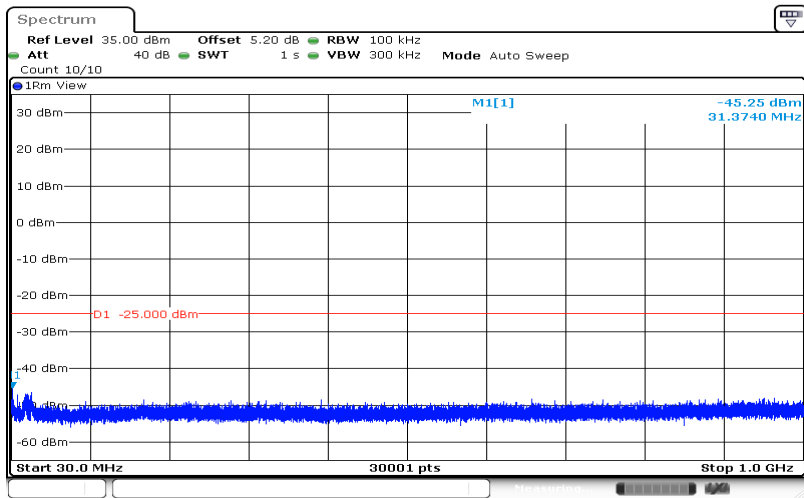


Date: 29.MAY.2020 10:10:39



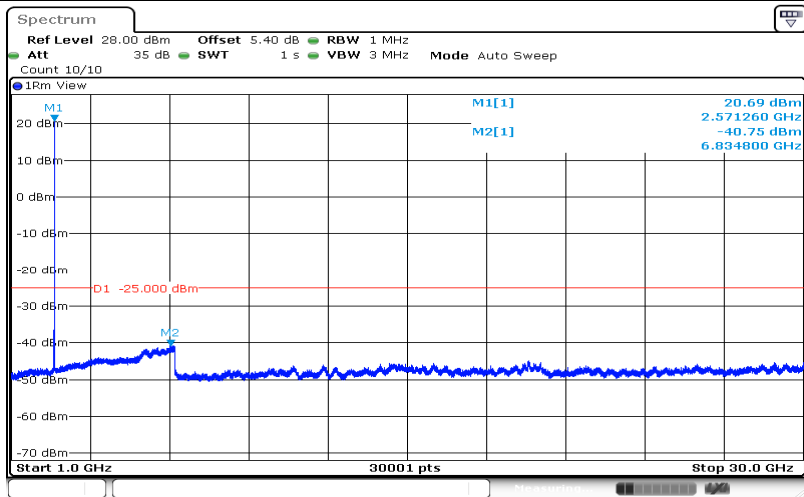
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-37850-1RB#0-Range1:30~1000MHz



Date: 31.MAY.2020 13:05:22

Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz

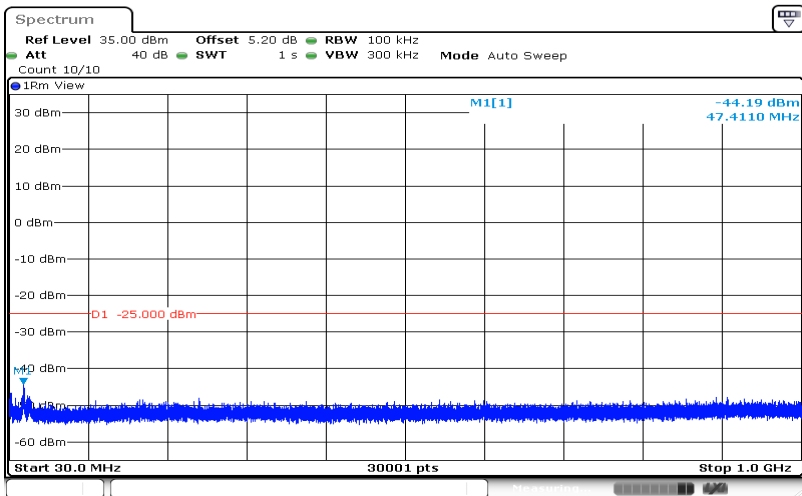


Date: 31.MAY.2020 13:05:38



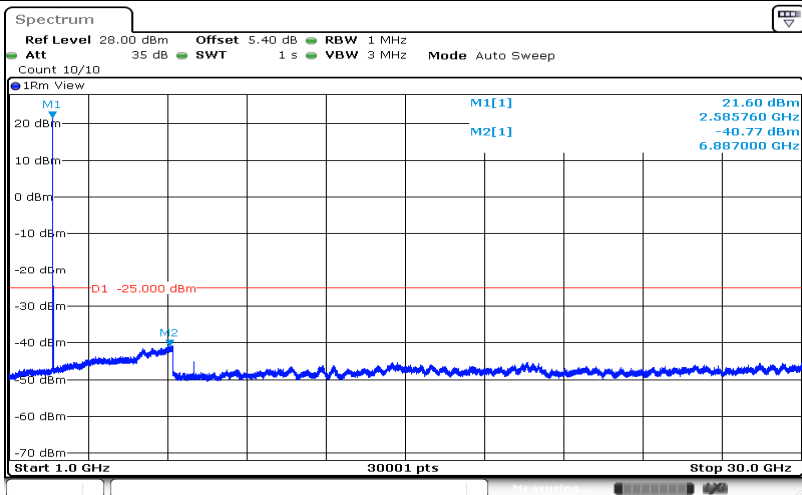
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31.MAY.2020 13:05:57

Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz

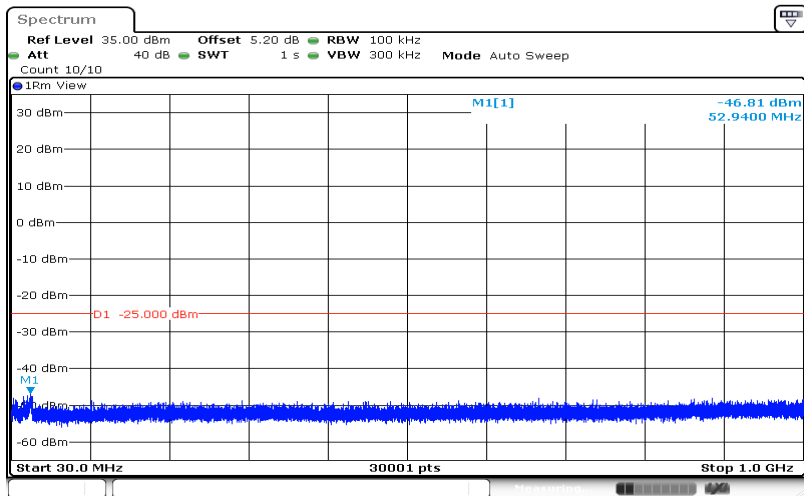


Date: 31.MAY.2020 13:06:14



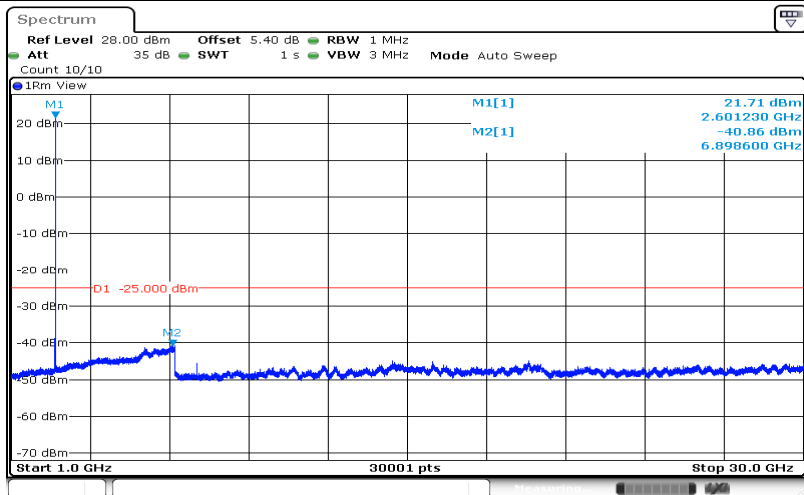
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 31.MAY.2020 13:06:33

Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz

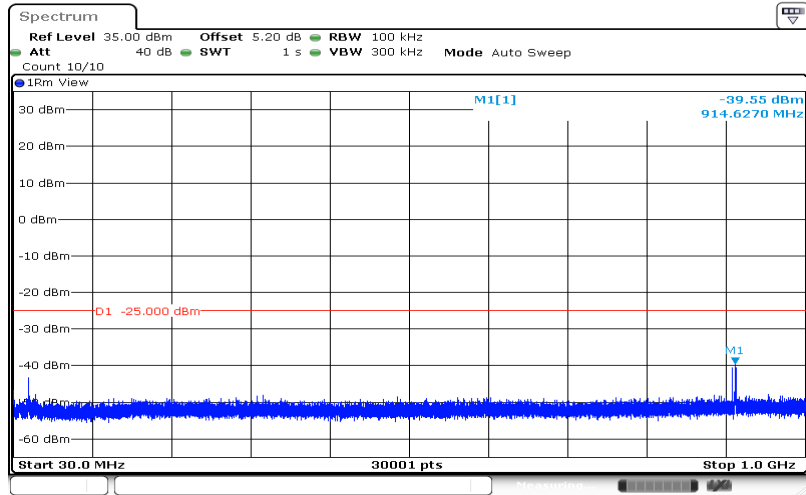


Date: 31.MAY.2020 13:06:49



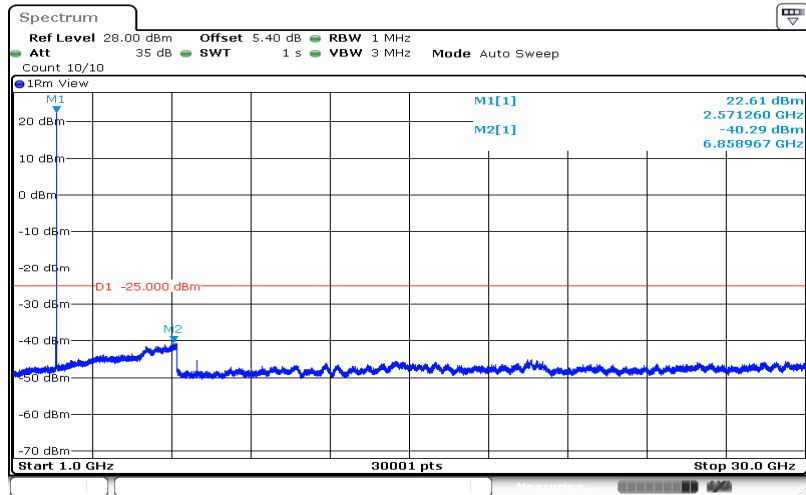
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 29.MAY.2020 10:08:36

Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz

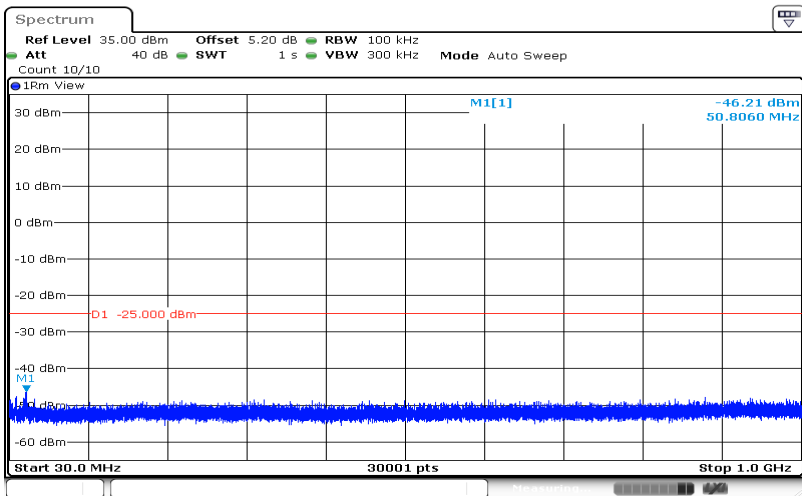


Date: 29.MAY.2020 10:08:53



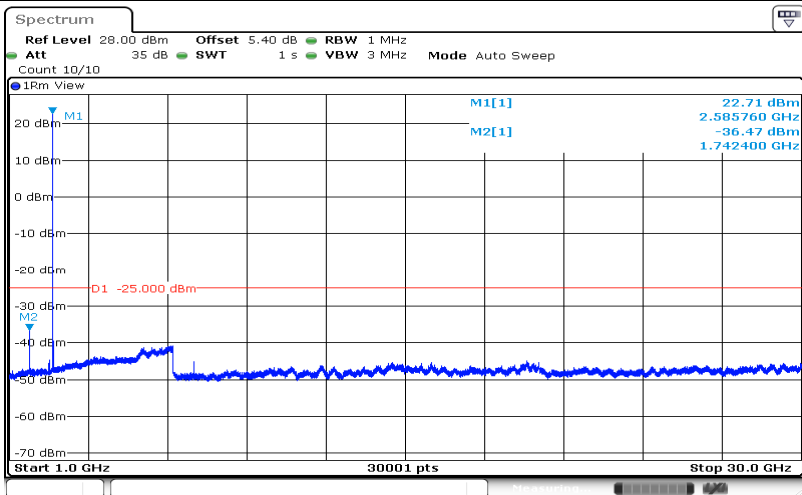
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-Range1:30~1000MHz



Date: 29.MAY.2020 10:09:47

Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz

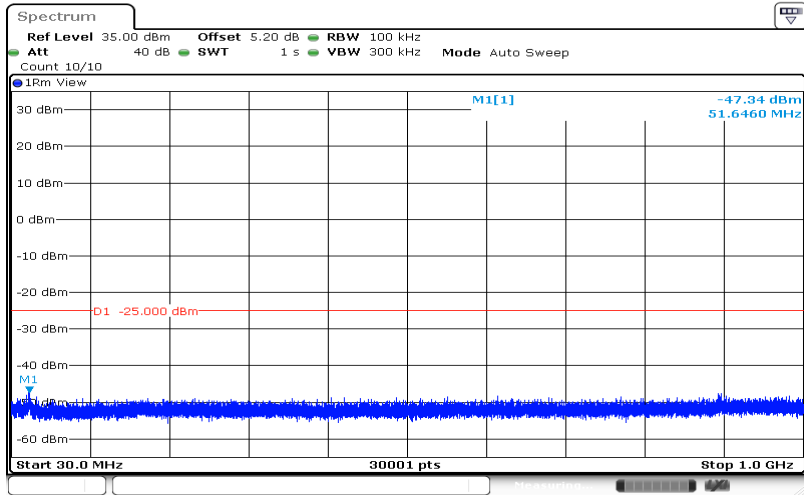


Date: 29.MAY.2020 10:10:03



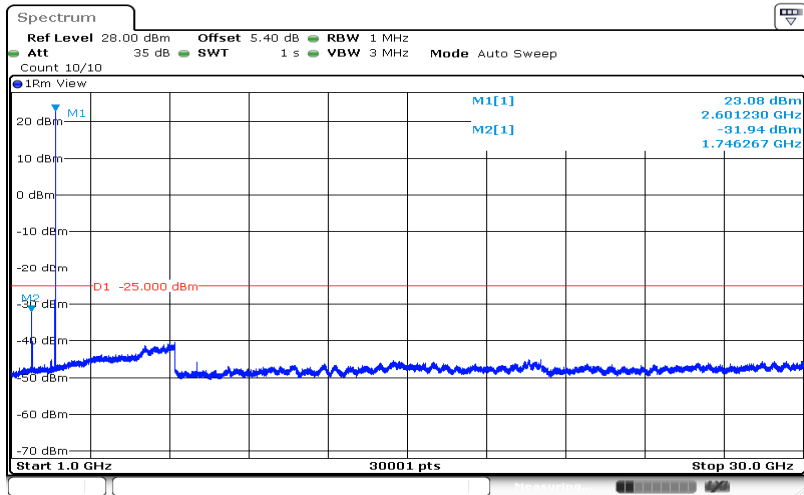
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-Range1:30~1000MHz



Date: 29.MAY.2020 10:10:58

Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~30000MHz



Date: 29.MAY.2020 10:11:14



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

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz(Down Antenna)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
68.900000	-74.25	-25.00	49.25	Vertical
191.750000	-79.42	-25.00	54.42	Vertical
949.170833	-75.13	-25.00	50.13	Vertical
5142.075000	-62.60	-25.00	37.60	Vertical
7713.150000	-50.43	-25.00	25.43	Vertical
10311.200000	-61.98	-25.00	36.98	Vertical
62.650000	-74.77	-25.00	49.77	Horizontal
191.650000	-67.57	-25.00	42.57	Horizontal
959.345833	-74.38	-25.00	49.38	Horizontal
5142.075000	-58.14	-25.00	33.14	Horizontal
7713.475000	-57.00	-25.00	32.00	Horizontal
10253.350000	-62.08	-25.00	37.08	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
67.050000	-73.88	-25.00	48.88	Vertical
191.750000	-78.88	-25.00	53.88	Vertical
962.875000	-75.58	-25.00	50.58	Vertical
5172.300000	-61.06	-25.00	36.06	Vertical
7758.325000	-46.19	-25.00	21.19	Vertical
10647.900000	-61.57	-25.00	36.57	Vertical
64.400000	-74.61	-25.00	49.61	Horizontal
191.700000	-68.51	-25.00	43.51	Horizontal
958.337500	-75.02	-25.00	50.02	Horizontal
5172.300000	-62.48	-25.00	37.48	Horizontal
7758.000000	-58.13	-25.00	33.13	Horizontal
10650.175000	-61.09	-25.00	36.09	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.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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
71.650000	-73.13	-25.00	48.13	Vertical
191.650000	-80.00	-25.00	55.00	Vertical
967.870833	-75.77	-25.00	50.77	Vertical
5201.875000	-59.52	-25.00	34.52	Vertical
7803.175000	-48.10	-25.00	23.10	Vertical
10598.175000	-61.61	-25.00	36.61	Vertical
62.200000	-74.42	-25.00	49.42	Horizontal
191.700000	-68.03	-25.00	43.03	Horizontal
974.241667	-74.96	-25.00	49.96	Horizontal
5202.200000	-58.04	-25.00	33.04	Horizontal
7803.175000	-57.88	-25.00	32.88	Horizontal
10297.225000	-62.15	-25.00	37.15	Horizontal

7.2. Test Mode =LTE/TM1 20MHz(Up Antenna)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
70.250000	-73.85	-25.00	48.85	Vertical
191.650000	-79.78	-25.00	54.78	Vertical
942.891667	-75.56	-25.00	50.56	Vertical
5130.050000	-65.39	-25.00	40.39	Vertical
7863.950000	-62.48	-25.00	37.48	Vertical
10361.250000	-62.26	-25.00	37.26	Vertical
62.250000	-74.06	-25.00	49.06	Horizontal
191.650000	-68.65	-25.00	43.65	Horizontal
944.083333	-75.25	-25.00	50.25	Horizontal
5228.200000	-65.62	-25.00	40.62	Horizontal
7838.925000	-62.49	-25.00	37.49	Horizontal
10642.050000	-61.33	-25.00	36.33	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

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.550000	-73.34	-25.00	48.34	Vertical
191.550000	-80.64	-25.00	55.64	Vertical
942.341667	-75.33	-25.00	50.33	Vertical
5131.675000	-65.54	-25.00	40.54	Vertical
7758.325000	-59.09	-25.00	34.09	Vertical
10516.275000	-61.12	-25.00	36.12	Vertical
63.850000	-74.79	-25.00	49.79	Horizontal
191.700000	-68.70	-25.00	43.70	Horizontal
947.016667	-74.59	-25.00	49.59	Horizontal
5087.150000	-65.19	-25.00	40.19	Horizontal
7758.325000	-59.94	-25.00	34.94	Horizontal
10506.525000	-61.76	-25.00	36.76	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.800000	-73.11	-25.00	48.11	Vertical
191.700000	-80.10	-25.00	55.10	Vertical
933.770833	-75.70	-25.00	50.70	Vertical
5384.200000	-65.41	-25.00	40.41	Vertical
7944.225000	-62.35	-25.00	37.35	Vertical
10639.125000	-60.87	-25.00	35.87	Vertical
62.450000	-74.64	-25.00	49.64	Horizontal
191.650000	-69.19	-25.00	44.19	Horizontal
946.191667	-75.23	-25.00	50.23	Horizontal
5057.575000	-65.09	-25.00	40.09	Horizontal
7803.500000	-60.85	-25.00	35.85	Horizontal
10322.900000	-62.16	-25.00	37.16	Horizontal

Remark:

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

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	-2.90	-0.001124	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	1.80	0.000698	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-11.40	-0.004419	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-17.20	-0.006628	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-9.60	-0.003699	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-4.10	-0.001580	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-6.70	-0.002567	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-11.20	-0.004291	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-17.50	-0.006705	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-3.50	-0.001357	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-8.00	-0.003101	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	2.00	0.000775	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-15.90	-0.006127	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-5.10	-0.001965	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-6.30	-0.002428	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-13.70	-0.005249	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-16.80	-0.006437	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-16.60	-0.006360	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-6.90	-0.002674	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	5.60	0.002171	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-0.10	-0.000039	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-15.80	-0.006089	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-6.20	-0.002389	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-8.80	-0.003391	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-15.40	-0.005900	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-14.80	-0.005670	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-9.30	-0.003563	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
------	-----------	------------	---------	--------------	---------------	------------------	----------------	-----------------	-------------	---------



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.



Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-2.10	-0.000814	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-9.10	-0.003527	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-11.10	-0.004302	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	0.10	0.000039	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-4.30	-0.001667	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-7.10	-0.002752	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-11.30	-0.004380	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	0.90	0.000349	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-8.10	-0.003121	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-16.00	-0.006166	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-10.10	-0.003892	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-3.70	-0.001426	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-2.40	-0.000925	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-18.60	-0.007168	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-15.50	-0.005973	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-13.70	-0.005279	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-8.80	-0.003372	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-18.30	-0.007011	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-3.90	-0.001494	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-10.50	-0.004023	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-17.00	-0.006513	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-18.90	-0.007241	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-20.20	-0.007739	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-4.10	-0.001571	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-7.10	-0.002752	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-14.30	-0.005543	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-2.60	-0.001008	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-10.40	-0.004031	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-1.00	-0.000388	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-4.30	-0.001667	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-12.20	-0.004729	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-1.00	-0.000388	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-17.30	-0.006667	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-15.60	-0.006012	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-7.90	-0.003044	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-0.10	-0.000039	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-13.30	-0.005125	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-2.70	-0.001040	±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



Band38	20MHz	64QAM	38000	100RB#0	NV	40	-14.70	-0.005665	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-1.80	-0.000690	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-15.80	-0.006054	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-3.90	-0.001494	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-12.30	-0.004713	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-4.30	-0.001648	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-18.30	-0.007011	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-9.00	-0.003448	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-2.70	-0.001034	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-11.90	-0.004612	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-7.70	-0.002984	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-3.60	-0.001395	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-2.70	-0.001047	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	0.10	0.000039	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-13.40	-0.005194	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-12.80	-0.004961	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-8.50	-0.003295	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-18.30	-0.007052	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-9.80	-0.003776	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-3.10	-0.001195	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-0.40	-0.000154	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-13.50	-0.005202	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-8.10	-0.003121	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-3.50	-0.001349	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	1.10	0.000424	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-3.10	-0.001188	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-20.40	-0.007816	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-16.10	-0.006169	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-13.40	-0.005134	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-13.90	-0.005326	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-11.80	-0.004521	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-9.10	-0.003487	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-6.00	-0.002299	±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