



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER..... 3

1.1. TEST RESULT 3

2. PEAK-TO-AVERAGE RATIO (CCDF) 9

2.1. TEST RESULT 9

2.2. TEST PLOTS..... 9

3. MODULATION CHARACTERISTICS14

3.1. TEST MODE = LTE /TM1 20MHZ..... 14

3.1.1. TEST CHANNEL = MCH..... 14

3.2. TEST MODE = LTE /TM2 20MHZ..... 15

3.2.1. TEST CHANNEL = MCH..... 15

3.3. TEST MODE = LTE /TM3 20MHZ..... 16

3.3.1. TEST CHANNEL = MCH..... 16

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH17

4.1. TEST RESULT 17

4.2. TEST PLOTS..... 18

5. BAND EDGE COMPLIANCE36

5.1. TEST PLOTS..... 36

6. SPURIOUS EMISSION AT ANTENNA TERMINAL60

6.1. TEST PLOTS..... 60

7. FIELD STRENGTH OF SPURIOUS RADIATION69

7.1. TEST MODE =LTE/TM1 69

7.1.1. TEST CHANNEL = LCH 69

7.1.2. TEST CHANNEL = MCH..... 69

7.1.3. TEST CHANNEL = HCH..... 70

8. FREQUENCY STABILITY.....71

8.1. FREQUENCY VS VOLTAGE 71

8.2. FREQUENCY VS TEMPERATURE 71



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

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

1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.09	22.13	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.17	22.21	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.03	22.07	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.20	21.24	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.14	21.18	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.15	21.19	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.14	21.18	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.94	21.98	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.00	22.04	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.07	22.11	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.10	21.14	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.12	21.16	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.02	21.06	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.06	21.10	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.91	21.95	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.80	21.84	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.76	21.80	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.89	20.93	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.96	21.00	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.87	20.91	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.90	20.94	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.12	20.16	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.05	20.09	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.16	20.20	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	18.99	19.03	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.10	19.14	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.03	19.07	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.09	19.13	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.24	20.28	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.34	20.38	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.20	20.24	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.08	19.12	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.20	19.24	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.07	19.11	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.08	19.12	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.28	20.32	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.39	20.43	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.24	20.28	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	5MHz	64QAM	38225	12RB#0	19.14	19.18	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.22	19.26	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.19	19.23	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.24	19.28	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.37	21.41	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.34	21.38	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.48	21.52	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.18	20.22	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.24	20.28	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.19	20.23	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.14	20.18	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.25	21.29	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.35	21.39	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.20	21.24	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.08	20.12	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.10	20.14	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.07	20.11	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.05	20.09	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.08	21.12	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.05	21.09	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.19	21.23	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	19.92	19.96	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.00	20.04	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.94	19.98	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.87	19.91	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.14	22.18	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.28	22.32	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.23	22.27	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.22	21.26	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.21	21.25	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.19	21.23	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.20	21.24	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.17	22.21	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.01	22.05	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.15	22.19	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.07	21.11	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.17	21.21	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.14	21.18	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.12	21.16	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.87	21.91	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.99	22.03	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.90	21.94	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.97	21.01	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.00	21.04	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.98	21.02	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.02	21.06	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.37	20.41	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	10MHz	64QAM	37800	1RB#49	20.25	20.29	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.34	20.38	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.14	19.18	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.14	19.18	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.11	19.15	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.13	19.17	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.28	20.32	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.35	20.39	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.45	20.49	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.19	19.23	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.19	19.23	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.09	19.13	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.25	19.29	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.39	20.43	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.35	20.39	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.48	20.52	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.29	19.33	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.27	19.31	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.28	19.32	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.28	19.32	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.50	21.54	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.55	21.59	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.41	21.45	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.16	20.20	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.17	20.21	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.16	20.20	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.25	20.29	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.41	21.45	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.28	21.32	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.45	21.49	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.15	20.19	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.05	20.09	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.15	20.19	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.18	20.22	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.25	21.29	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.15	21.19	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.29	21.33	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.96	20.00	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	19.94	19.98	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.93	19.97	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.04	20.08	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.07	22.11	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.16	22.20	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.13	22.17	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.16	21.20	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.17	21.21	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.18	21.22	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.

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	75RB#0	21.13	21.17	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.04	22.08	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.07	22.11	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.88	21.92	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.14	21.18	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.06	21.10	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.01	21.05	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.07	21.11	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.90	21.94	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.95	21.99	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.76	21.80	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	20.95	20.99	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	20.94	20.98	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	20.93	20.97	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.94	20.98	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.20	20.24	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.27	20.31	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.24	20.28	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.02	19.06	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	18.99	19.03	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.01	19.05	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.05	19.09	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.34	20.38	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.19	20.23	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.25	20.29	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.10	19.14	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.15	19.19	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.10	19.14	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.20	19.24	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.27	20.31	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.40	20.44	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.27	20.31	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.13	19.17	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.10	19.14	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.16	19.20	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.19	19.23	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.45	21.49	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.39	21.43	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.35	21.39	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.20	20.24	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.19	20.23	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.18	20.22	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.18	20.22	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.38	21.42	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.14	21.18	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.31	21.35	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.15	20.19	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.



Band38	15MHz	16QAM	38000	36RB#18	20.13	20.17	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.04	20.08	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.12	20.16	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.17	21.21	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.23	21.27	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.05	21.09	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	19.98	20.02	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	19.97	20.01	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	19.96	20.00	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	19.99	20.03	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.96	22.00	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.21	22.25	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.80	21.84	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.15	21.19	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.12	21.16	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.04	21.08	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.09	21.13	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.68	21.72	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.91	21.95	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.12	22.16	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.11	21.15	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.96	21.00	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.93	20.97	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.05	21.09	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.98	22.02	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.77	21.81	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.57	21.61	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.98	21.02	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.98	21.02	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.91	20.95	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.98	21.02	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.08	20.12	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.31	20.35	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	19.99	20.03	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.00	19.04	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.07	19.11	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.07	19.11	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.99	19.03	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.09	20.13	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.40	20.44	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.07	20.11	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.13	19.17	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.17	19.21	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.07	19.11	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.10	19.14	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.05	20.09	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.13	20.17	33.00	PASS



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



Band38	20MHz	64QAM	38150	1RB#49	20.41	20.45	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.16	19.20	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.20	19.24	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.23	19.27	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.17	19.21	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.25	21.29	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.51	21.55	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.08	21.12	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.18	20.22	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.21	20.25	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.11	20.15	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.16	20.20	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.17	21.21	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.97	21.01	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.41	21.45	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.17	20.21	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.13	20.17	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.00	20.04	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.13	20.17	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.06	21.10	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.87	20.91	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.26	21.30	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	19.96	20.00	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.04	20.08	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.05	20.09	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.05	20.09	33.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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

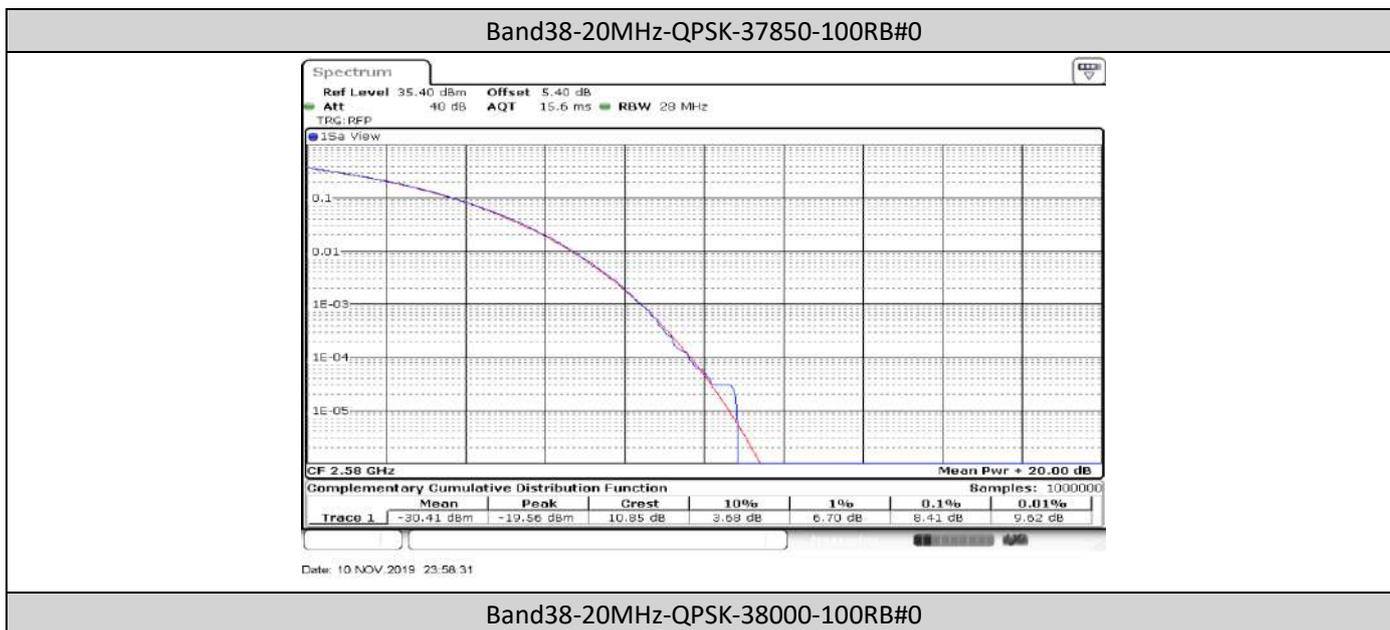


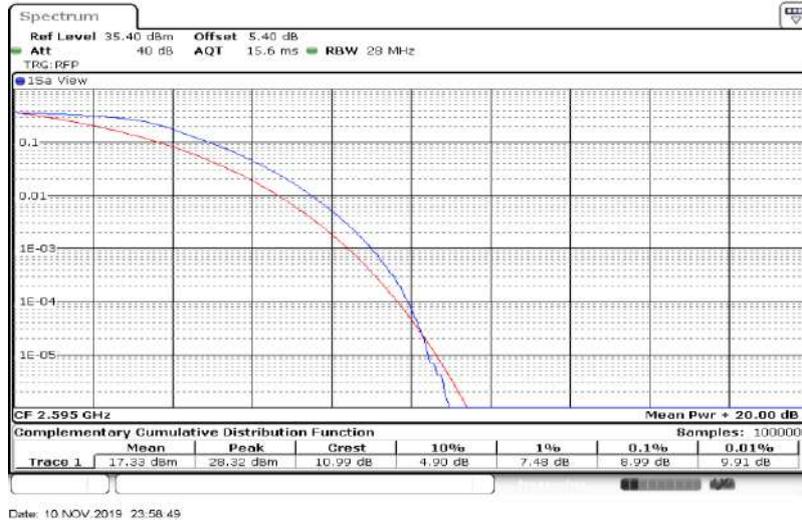
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.41	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.99	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.96	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.46	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	10.00	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	10.03	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.71	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.74	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.91	13	PASS

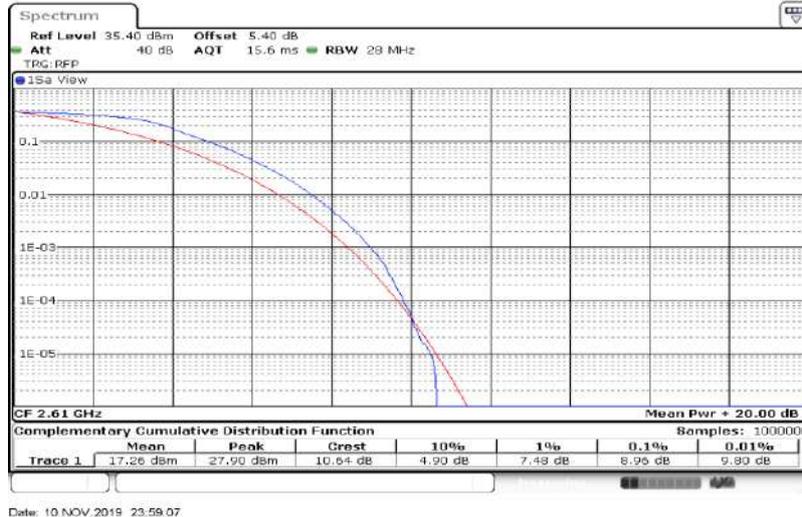
2.2. Test Plots





Date: 10 NOV 2019 23:58:49

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

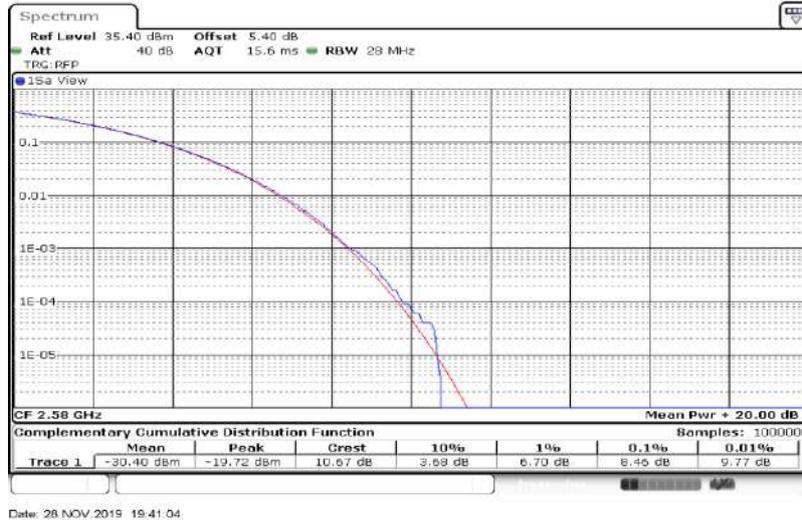


Date: 10 NOV 2019 23:59:07

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

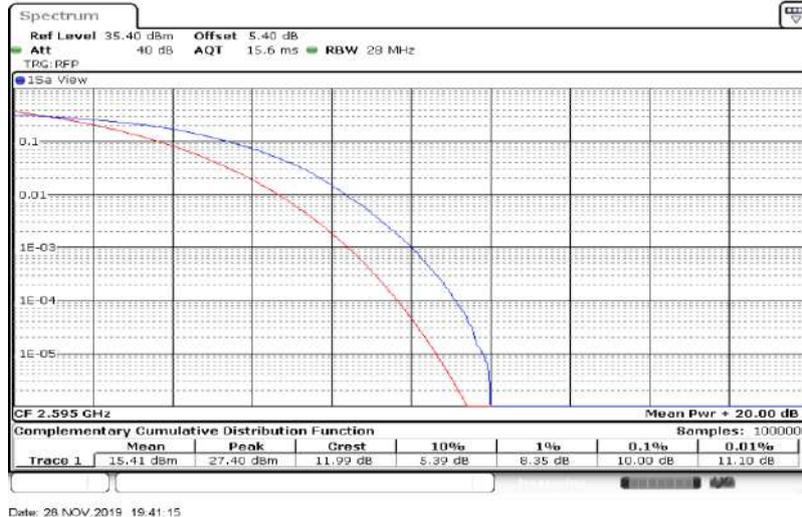


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 NOV 2019 19:41:04

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



Date: 28 NOV 2019 19:41:15

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



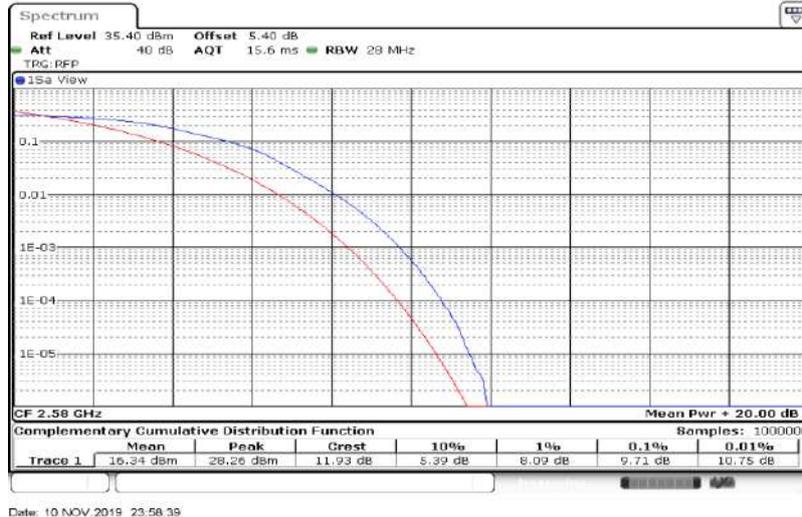
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 26 NOV 2019 19:41:28

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



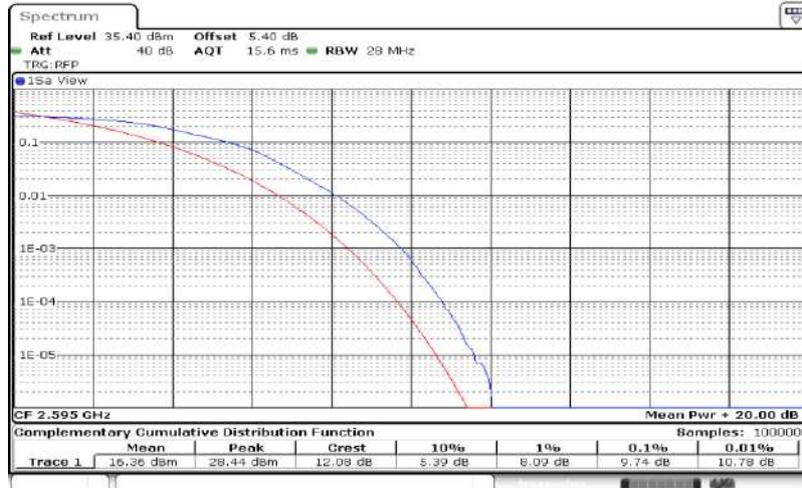
Date: 10 NOV 2019 23:58:39

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



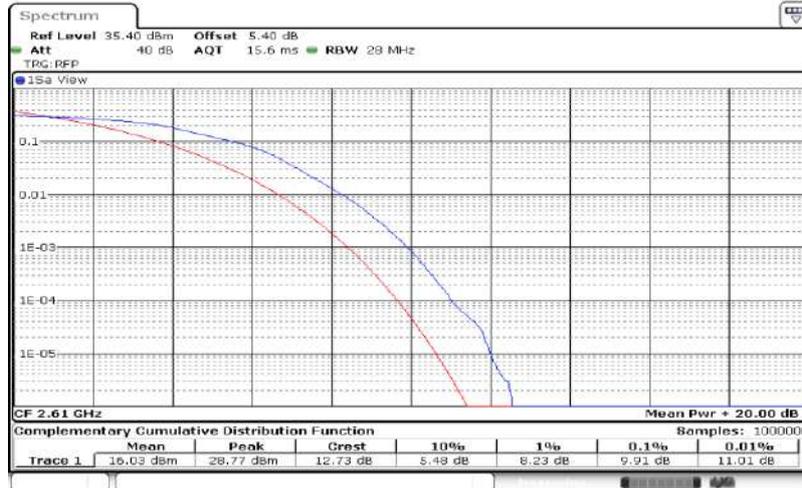
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 10 NOV 2019 23:58:57

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



Date: 10 NOV 2019 23:59:15



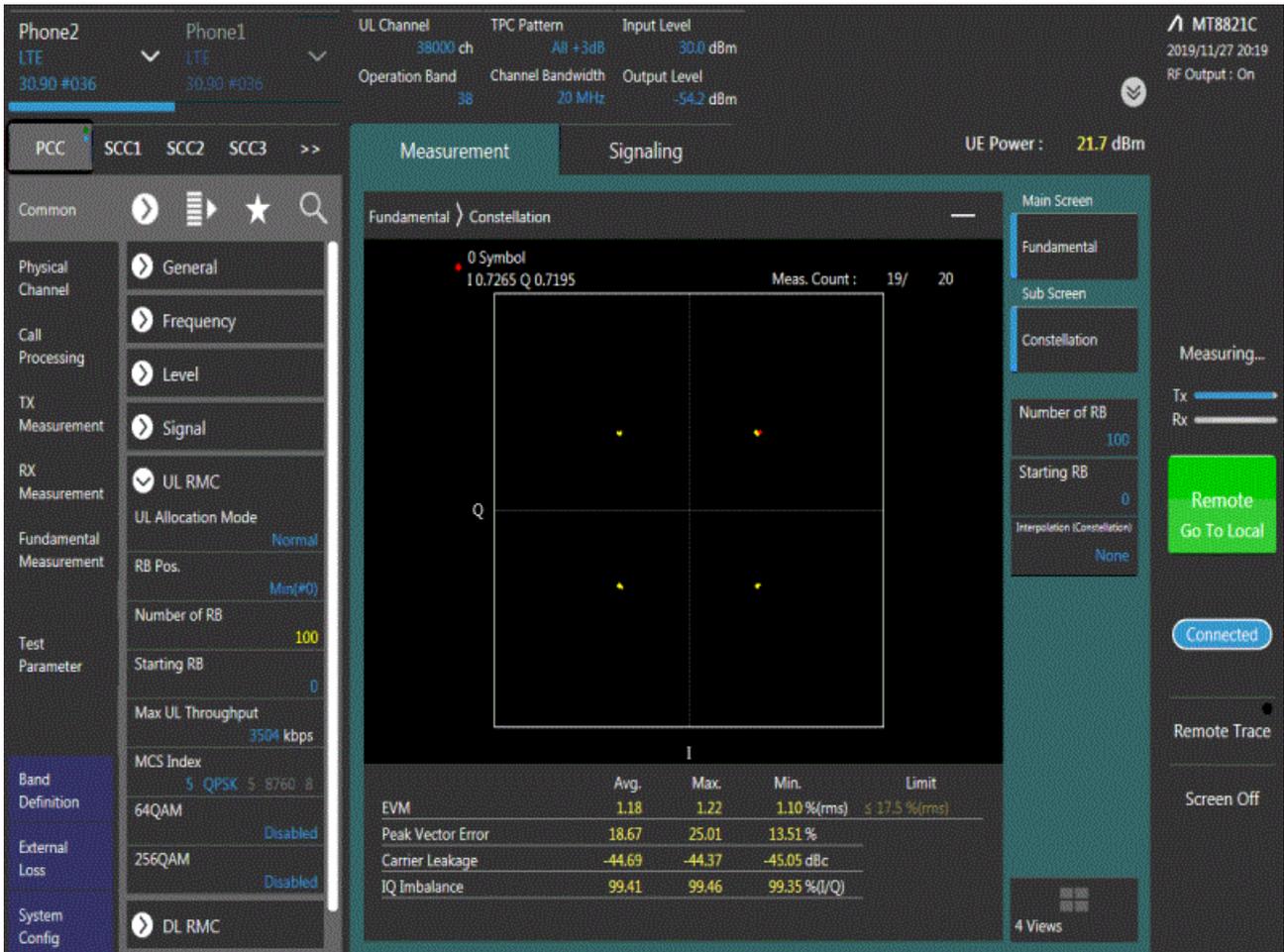
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

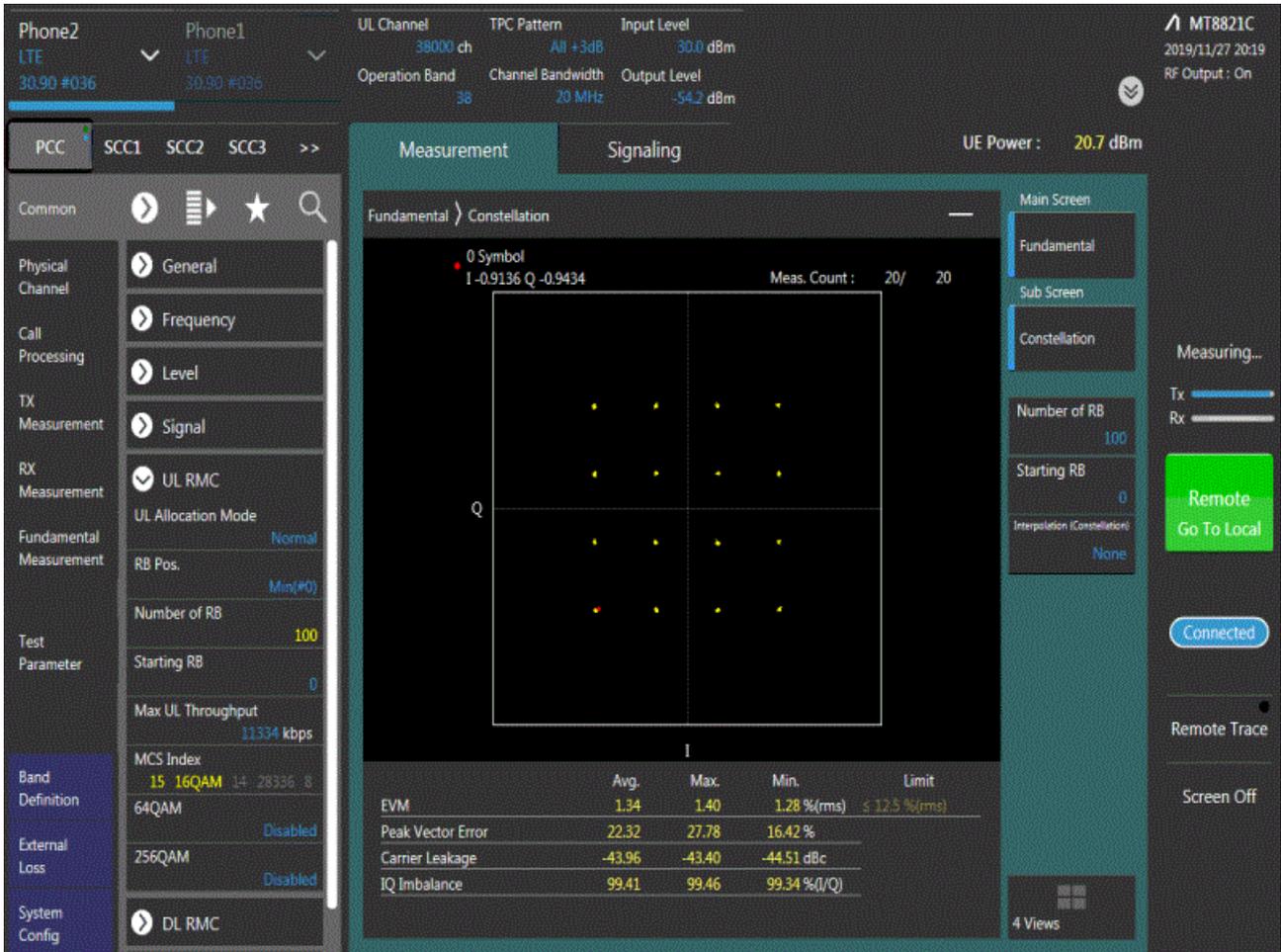


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

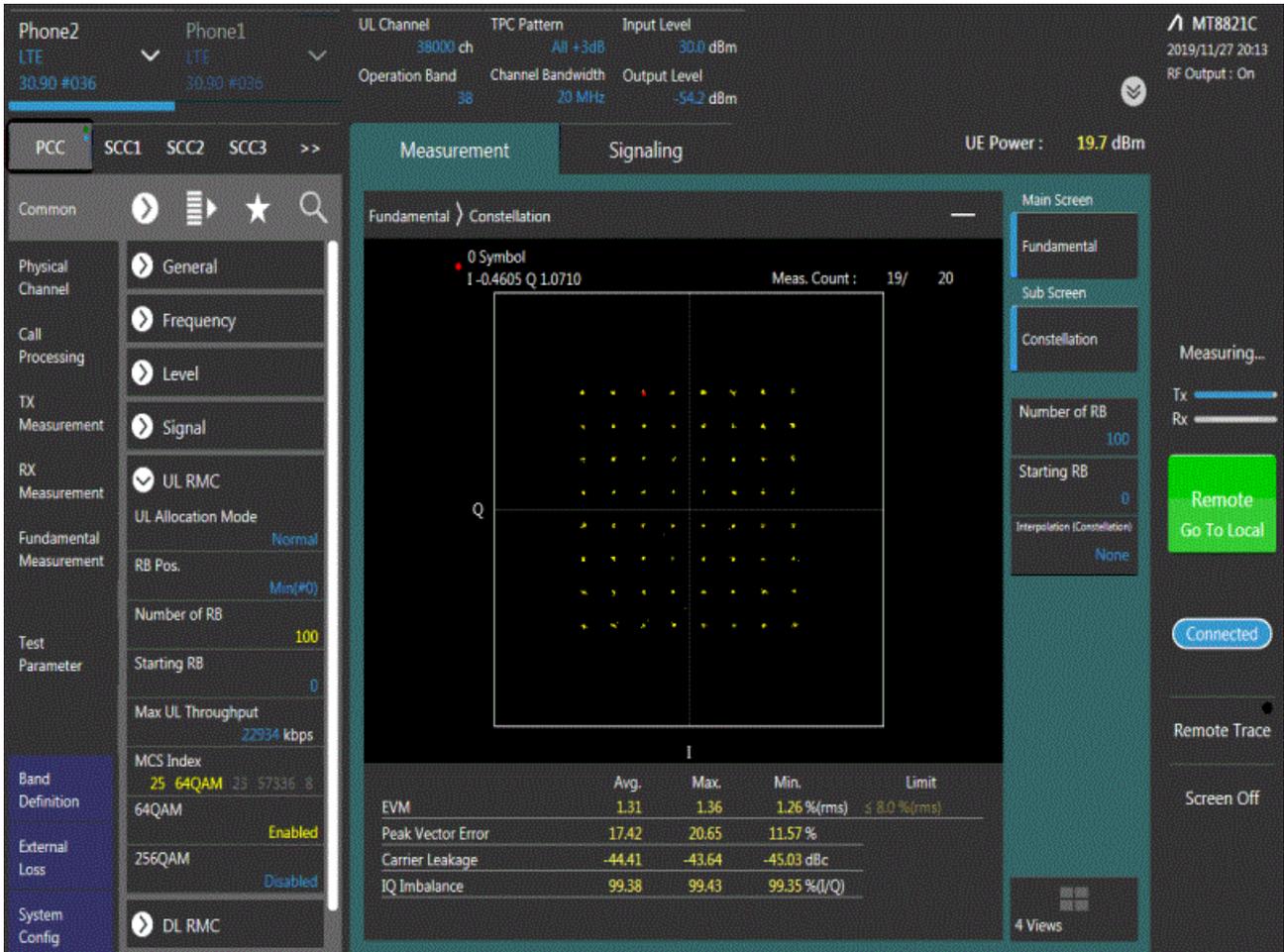


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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	4.466	4.870	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.466	4.850	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.476	4.800	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.466	4.920	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.970	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.940	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.466	4.830	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.466	4.840	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.466	4.870	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.931	9.600	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.931	9.840	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.951	9.640	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.951	9.580	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.931	9.580	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.931	9.560	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.931	9.620	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	9.820	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.931	9.520	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	15.060	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.510	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.427	14.940	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.427	14.760	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.427	14.610	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.457	14.790	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.457	15.690	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.487	16.200	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.516	16.530	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.902	19.280	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.902	20.520	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.862	19.280	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.902	19.360	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.

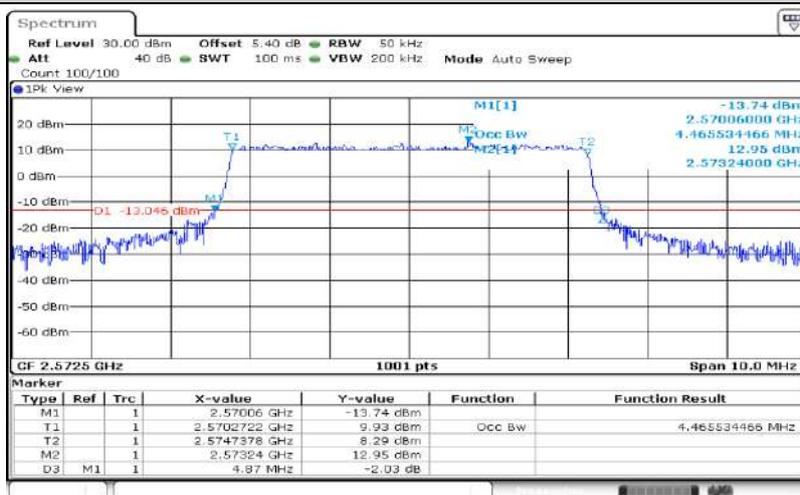
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



Band38	20MHz	64QAM	38000	100RB#0	17.862	19.200	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.902	19.600	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.902	19.800	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.822	19.480	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.902	20.360	PASS

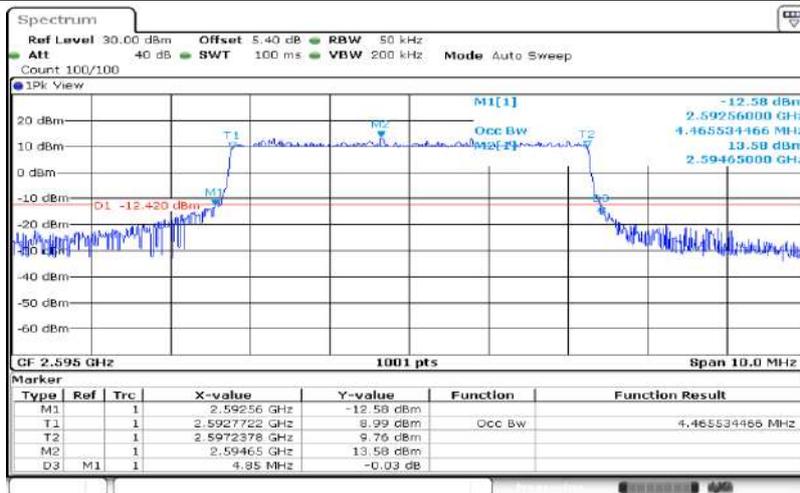
4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.466



Date: 10.NOV.2019 23:40:48

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

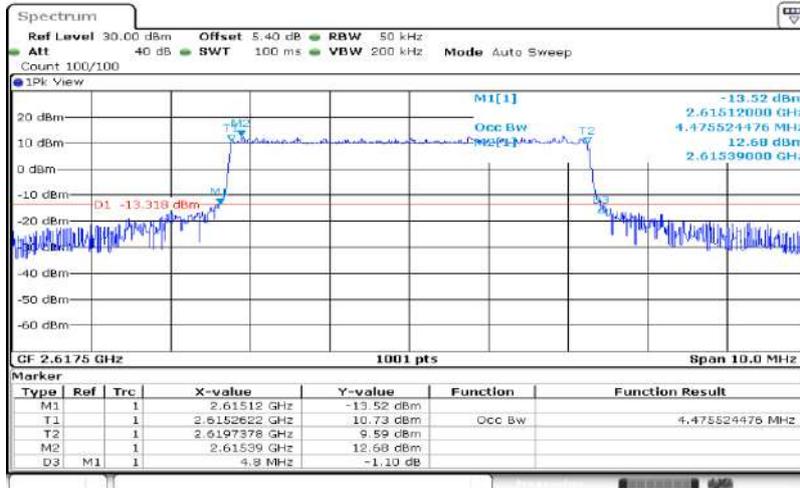


Date: 10.NOV.2019 23:41:23

Band38-5MHz-QPSK-38225-25RB#0-4.476

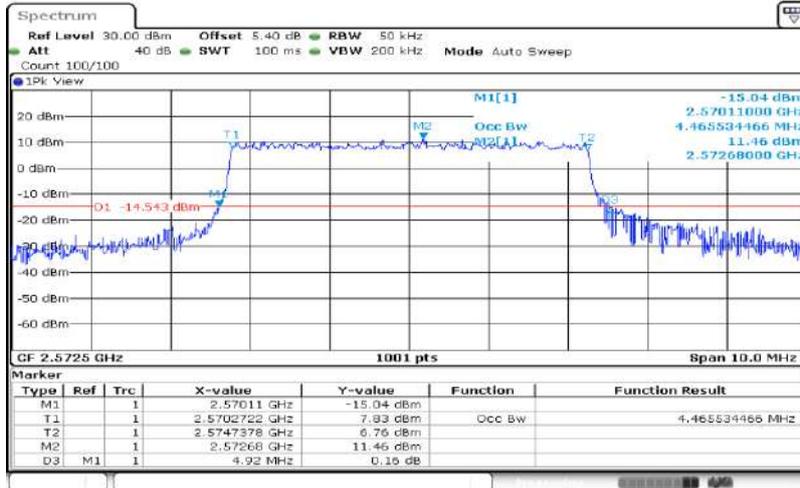


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:41:58

Band38-5MHz-64QAM-3775-25RB#0-4.466

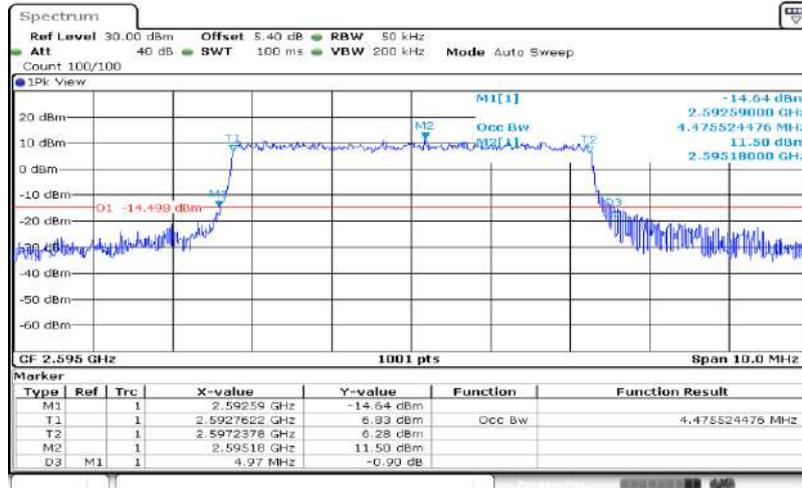


Date: 28.NOV.2019 19:33:44

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

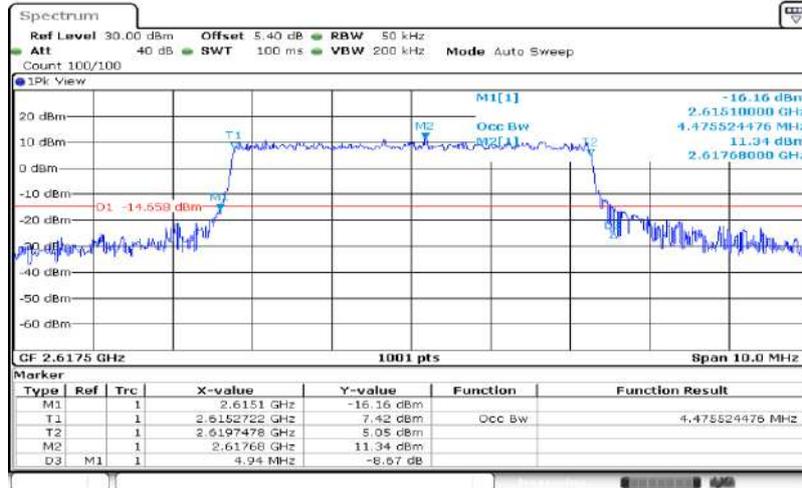


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 26 NOV 2019 19:34:04

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

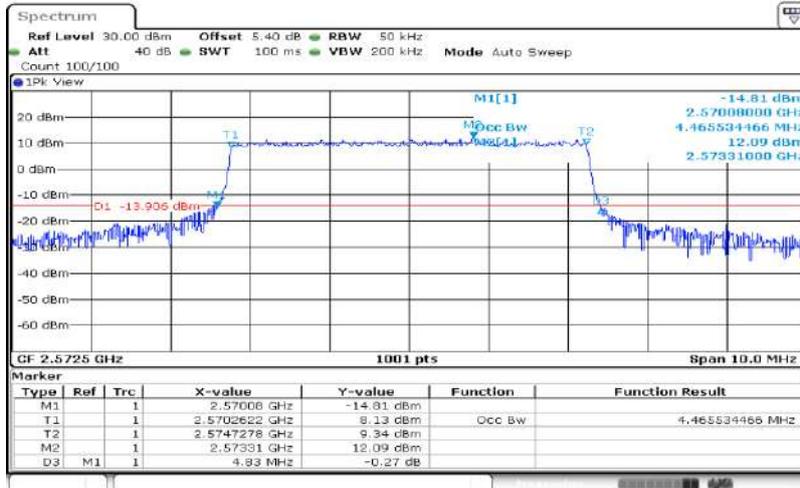


Date: 26 NOV 2019 19:34:24

Band38-5MHz-16QAM-37775-25RB#0-4.466

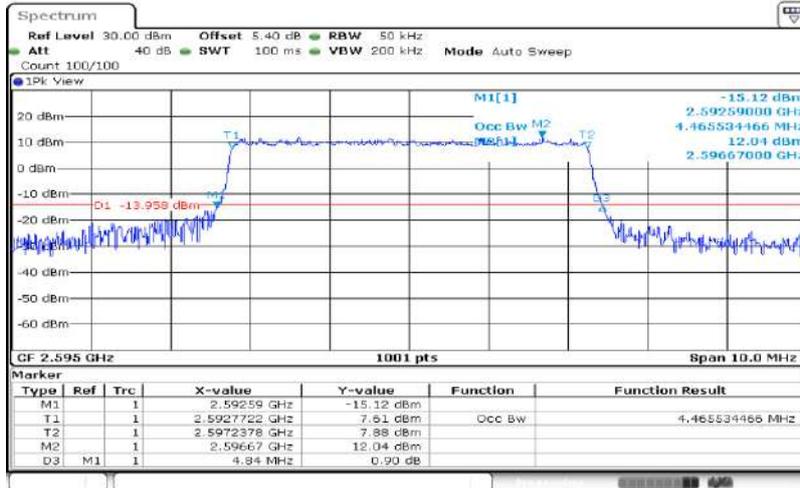


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:41:05

Band38-5MHz-16QAM-38000-25RB#0-4.466

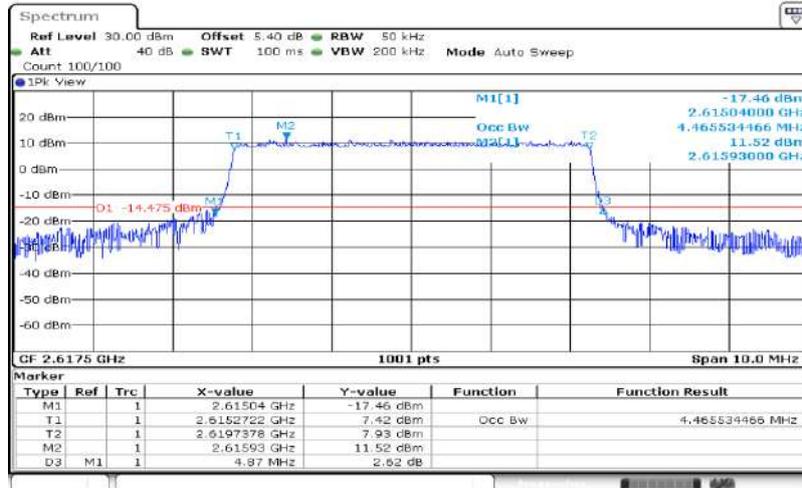


Date: 10.NOV.2019 23:41:40

Band38-5MHz-16QAM-38225-25RB#0-4.466

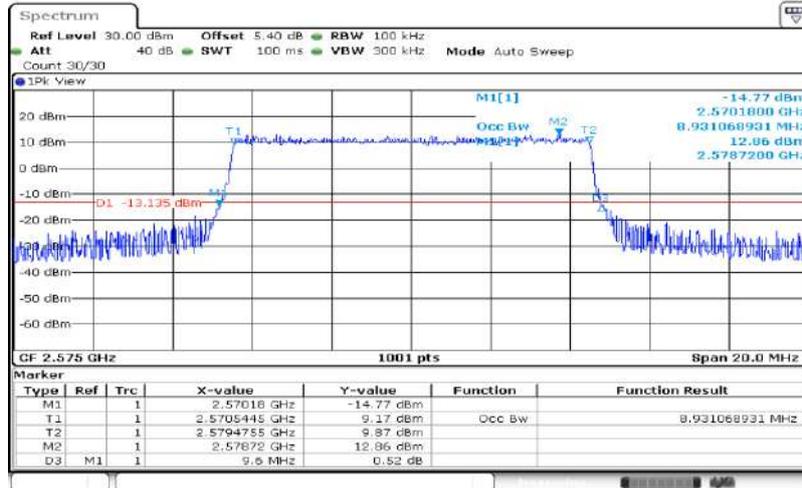


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 NOV 2019 23:42:15

Band38-10MHz-QPSK-37800-50RB#0-8.931

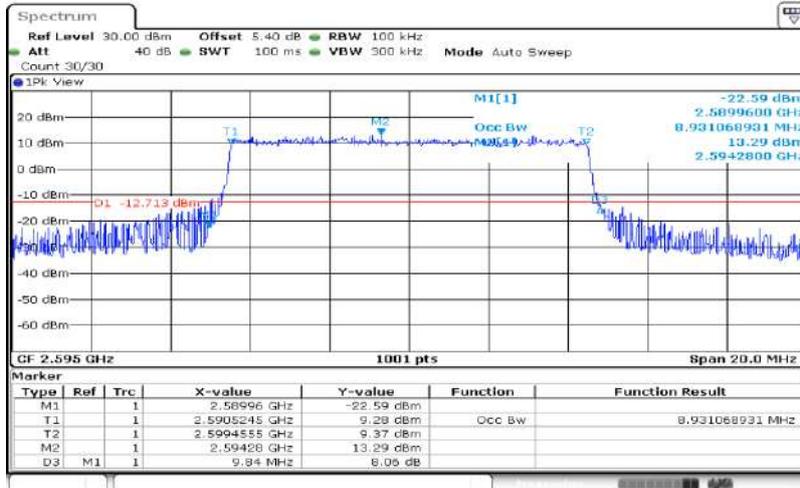


Date: 10 NOV 2019 23:43:13

Band38-10MHz-QPSK-38000-50RB#0-8.931

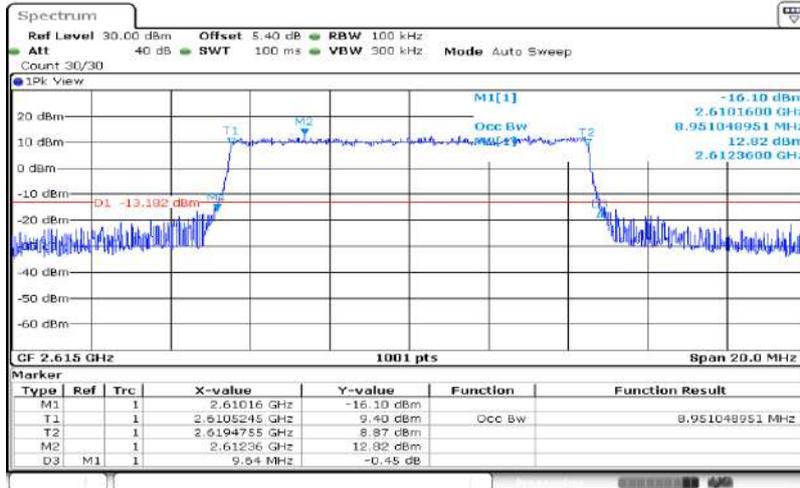


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:43:34

Band38-10MHz-QPSK-38200-50RB#0-8.951



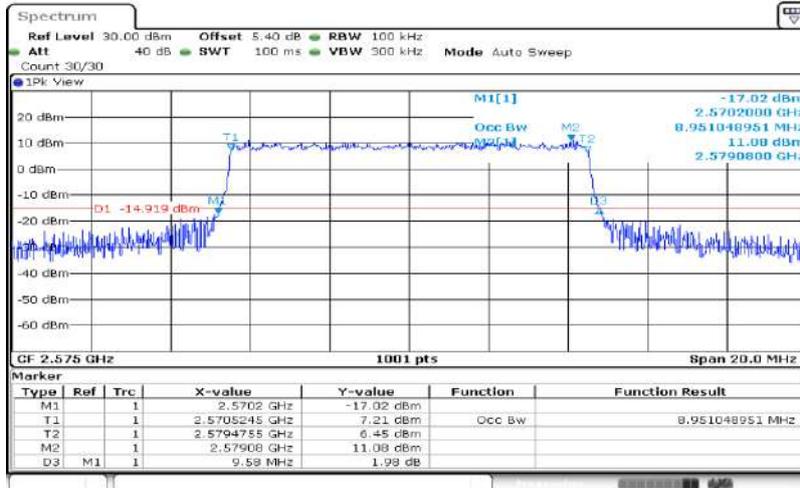
Date: 10.NOV.2019 23:43:55

Band38-10MHz-64QAM-37800-50RB#0-8.951



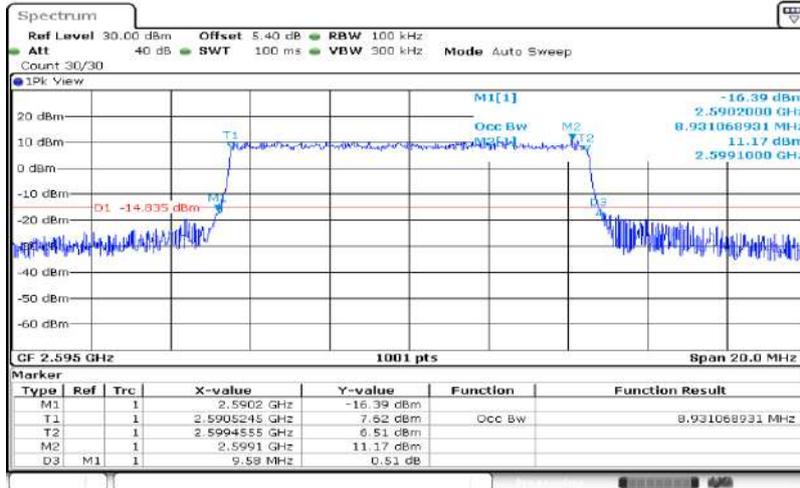
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 26 NOV 2019 19:34:42

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

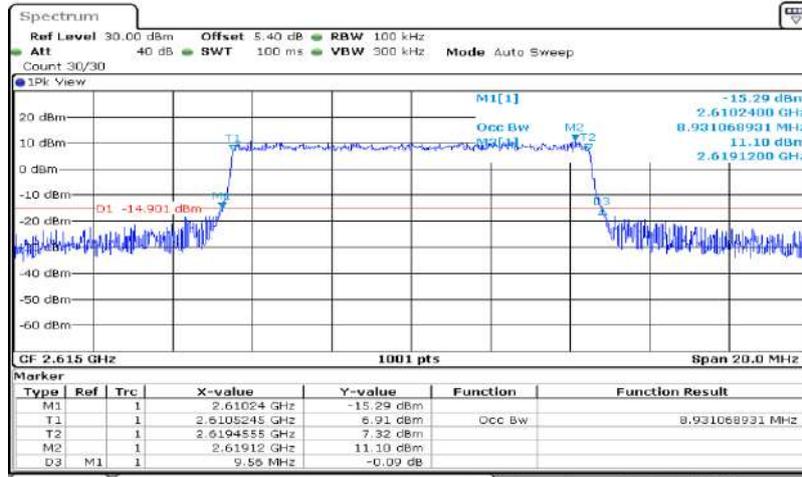


Date: 26 NOV 2019 19:34:55

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

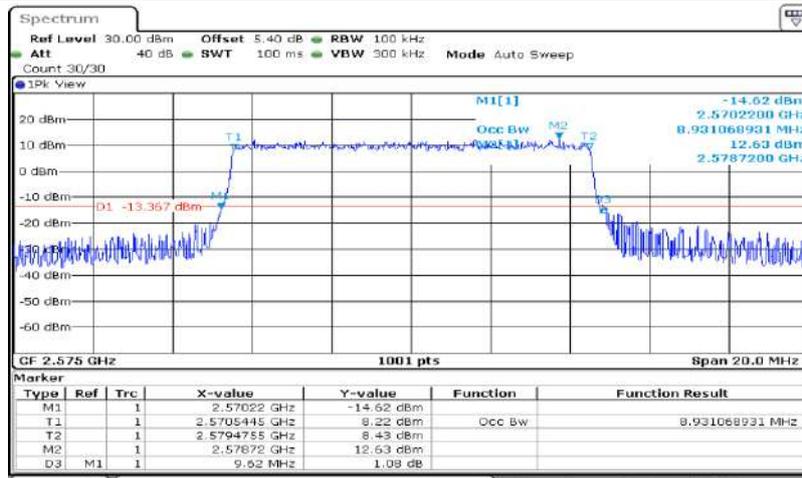


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 NOV 2019 19:35:08

Band38-10MHz-16QAM-37800-50RB#0-8.931

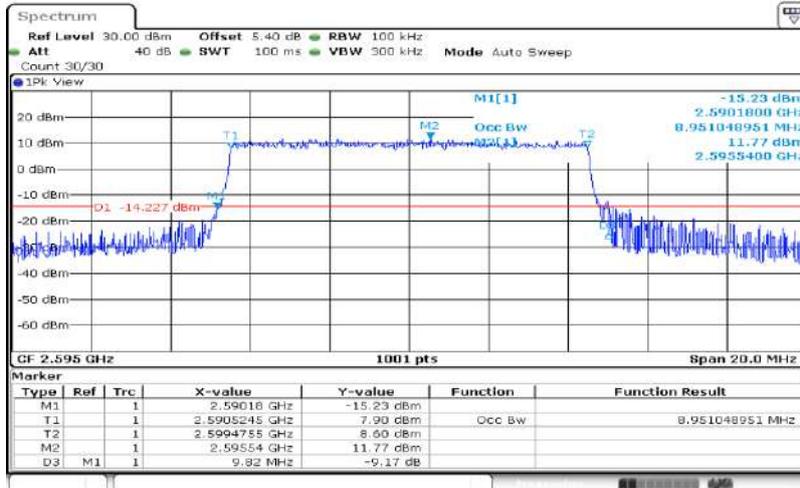


Date: 10 NOV 2019 23:43:23

Band38-10MHz-16QAM-38000-50RB#0-8.951

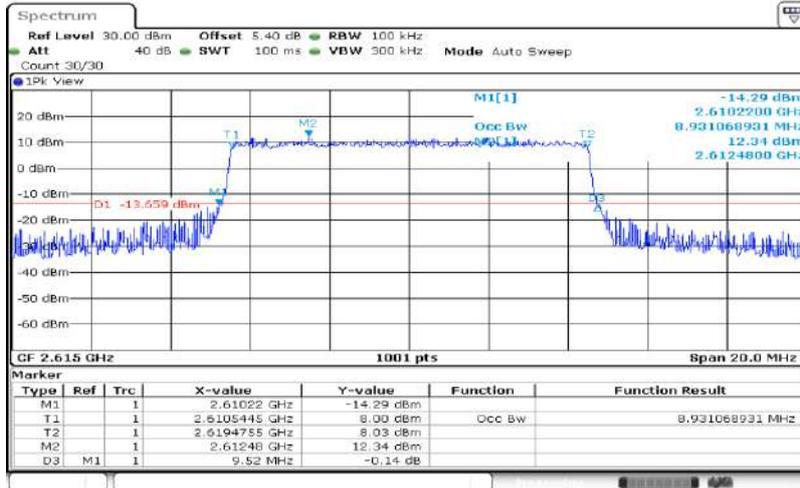


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:43:44

Band38-10MHz-16QAM-38200-50RB#0-8.931

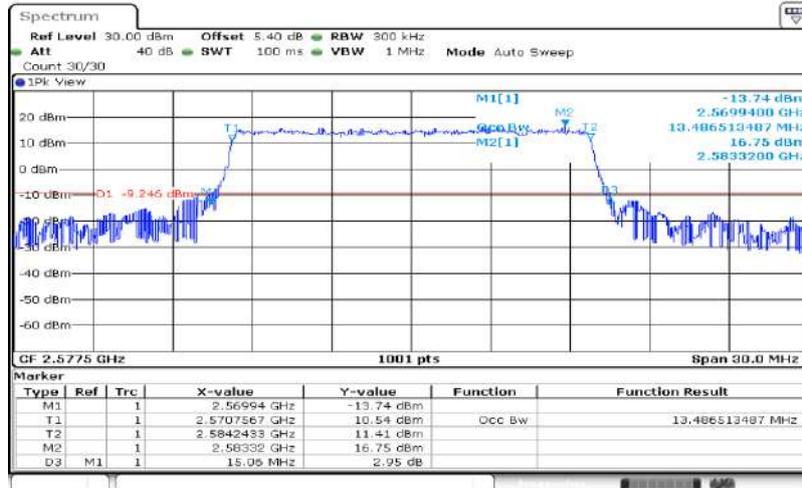


Date: 10.NOV.2019 23:44:05

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

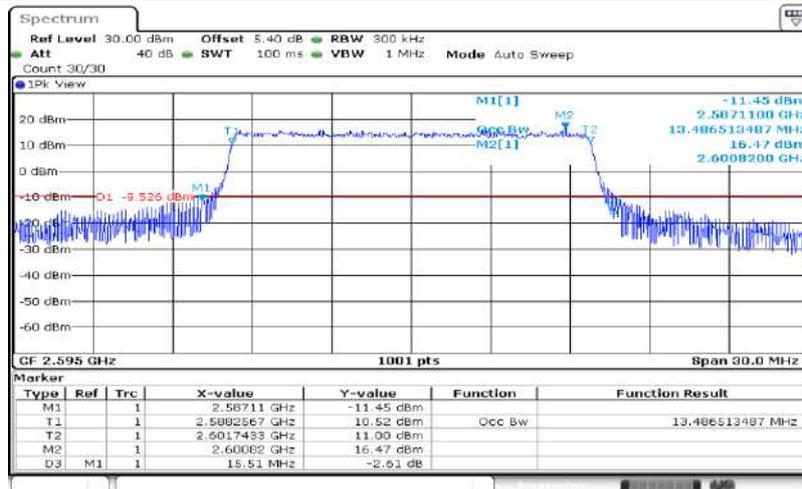


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:45:07

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

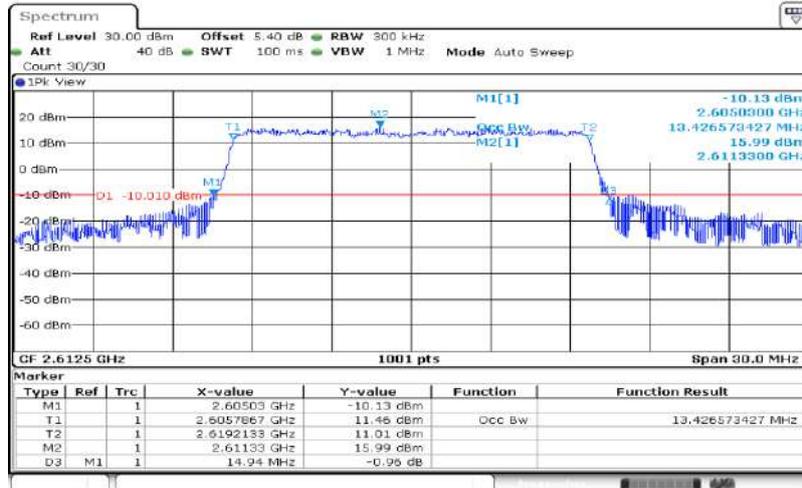


Date: 10.NOV.2019 23:45:27

Band38-15MHz-QPSK-38175-75RB#0-13.427

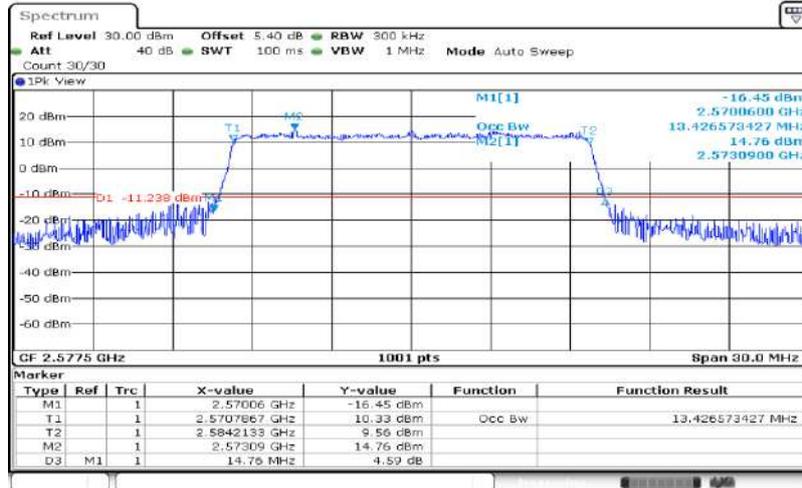


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 NOV 2019 23:45:48

Band38-15MHz-64QAM-37825-75RB#0-13.427

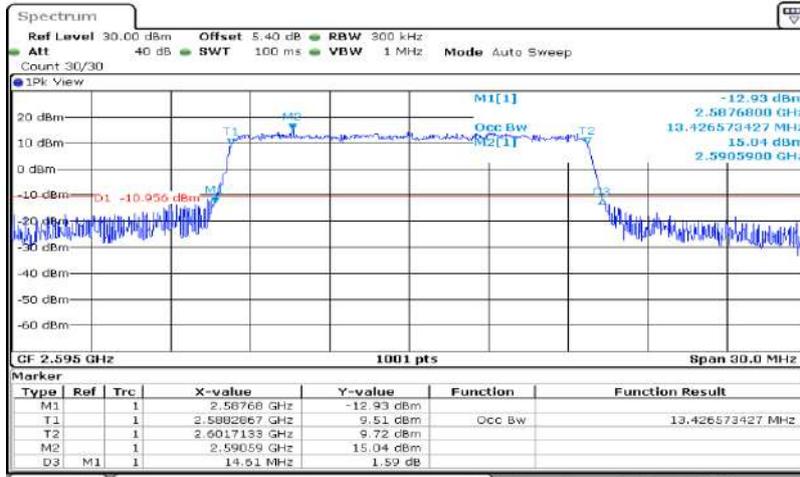


Date: 28 NOV 2019 19:35:26

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

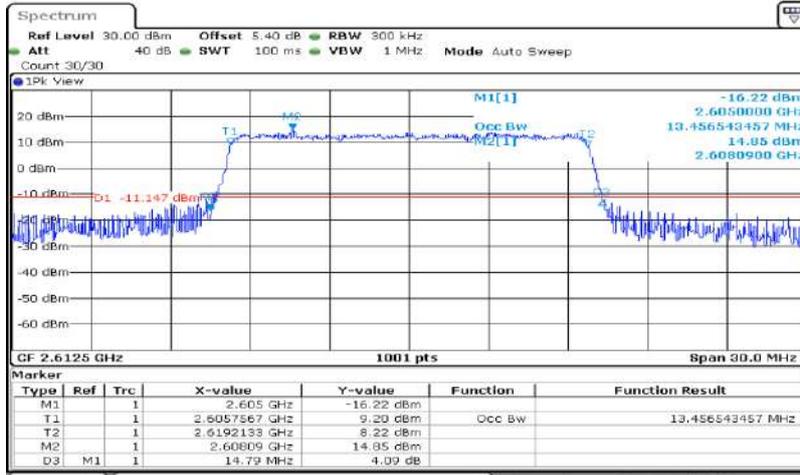


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 26 NOV 2019 19:35:39

Band38-15MHz-64QAM-38175-75RB#0-13.457

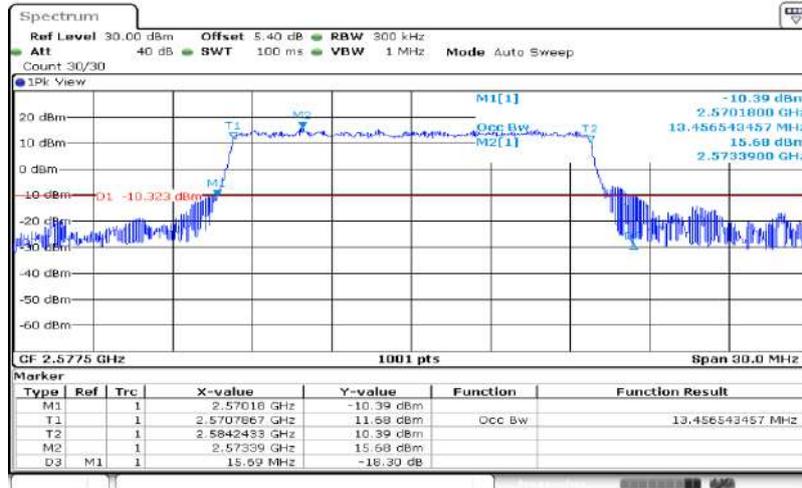


Date: 26 NOV 2019 19:35:52

Band38-15MHz-16QAM-37825-75RB#0-13.457

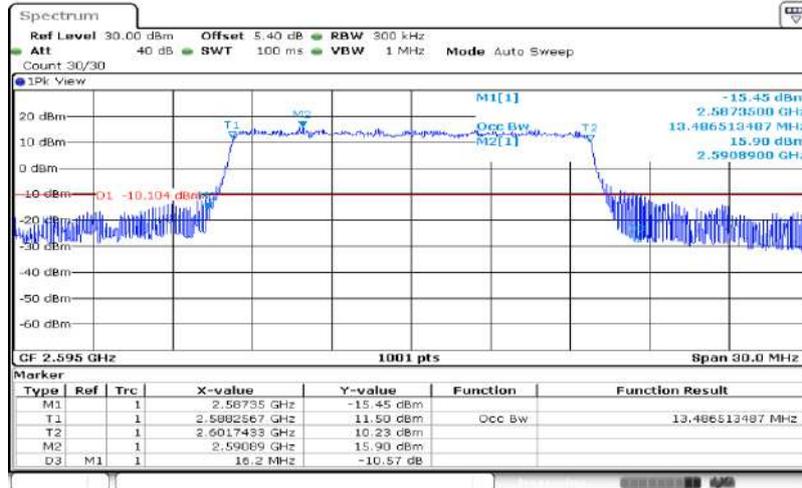


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:45:16

Band38-15MHz-16QAM-38000-75RB#0-13.487

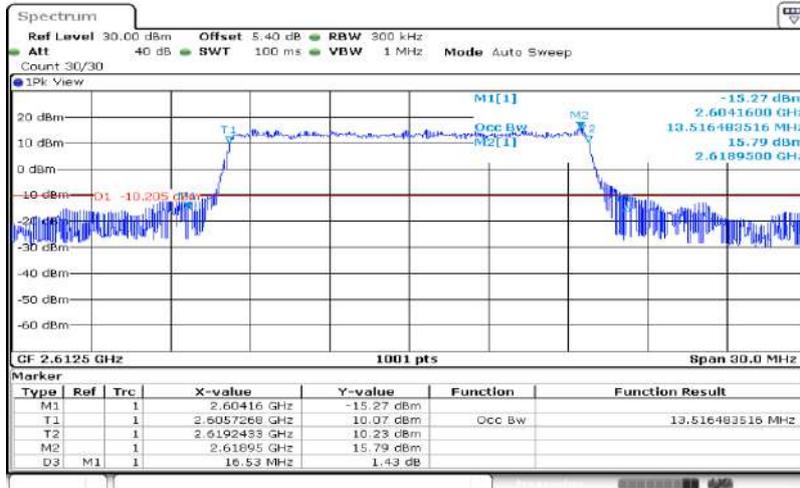


Date: 10.NOV.2019 23:45:37

Band38-15MHz-16QAM-38175-75RB#0-13.516

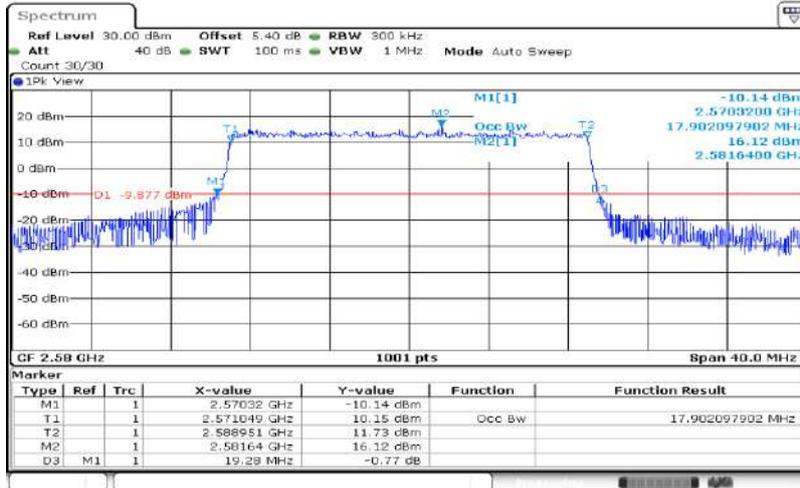


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:45:58

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

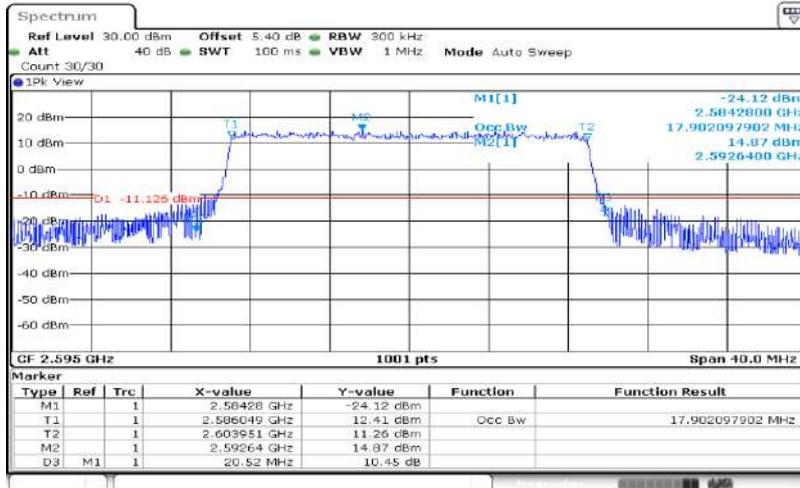


Date: 10.NOV.2019 23:47:32

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

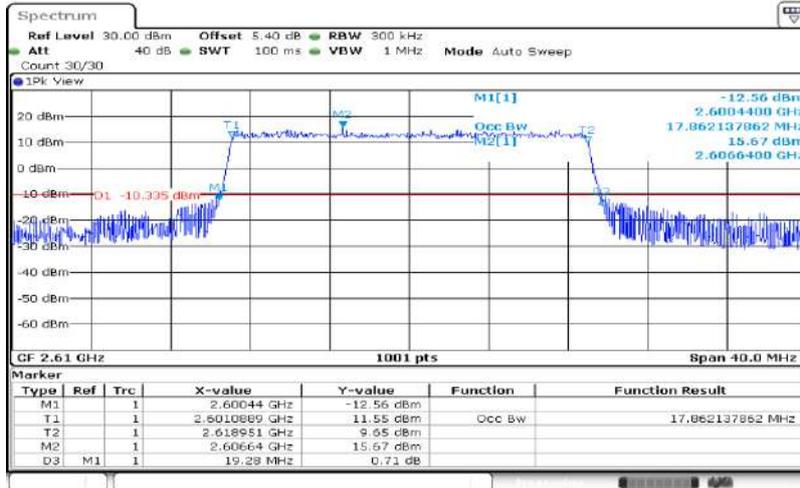


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:47:53

Band38-20MHz-QPSK-38150-100RB#0-17.862

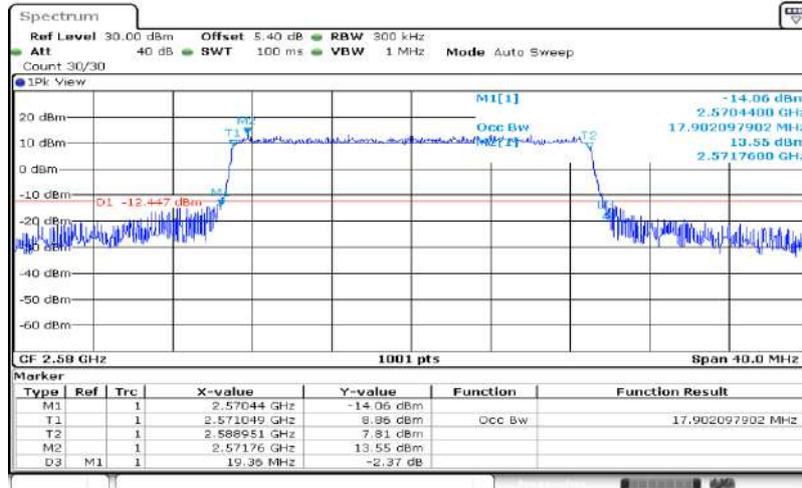


Date: 10.NOV.2019 23:48:14

Band38-20MHz-64QAM-37850-100RB#0-17.902

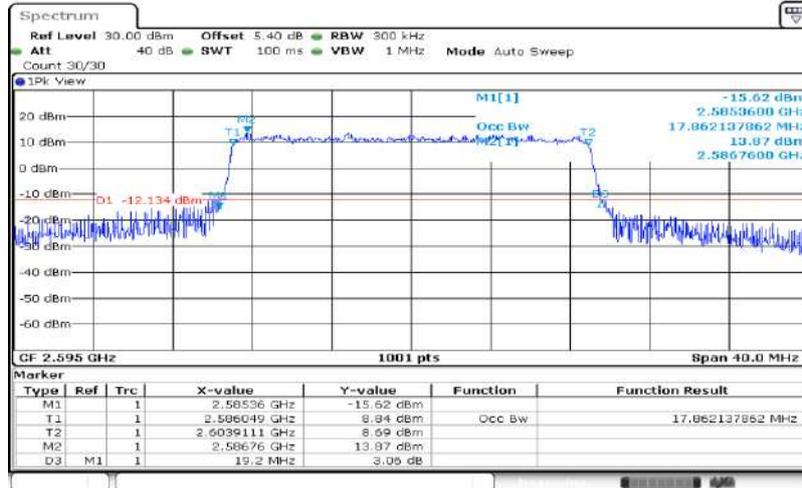


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 26 NOV 2019 19:36:10

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

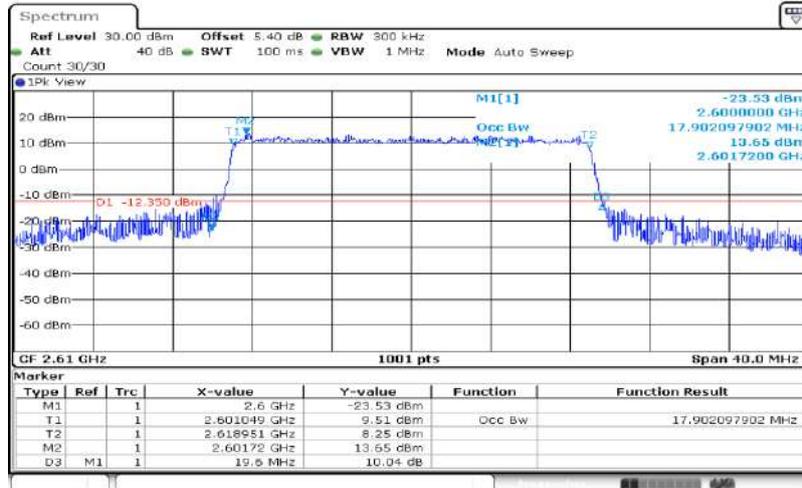


Date: 26 NOV 2019 19:36:23

Band38-20MHz-64QAM-38150-100RB#0-17.902

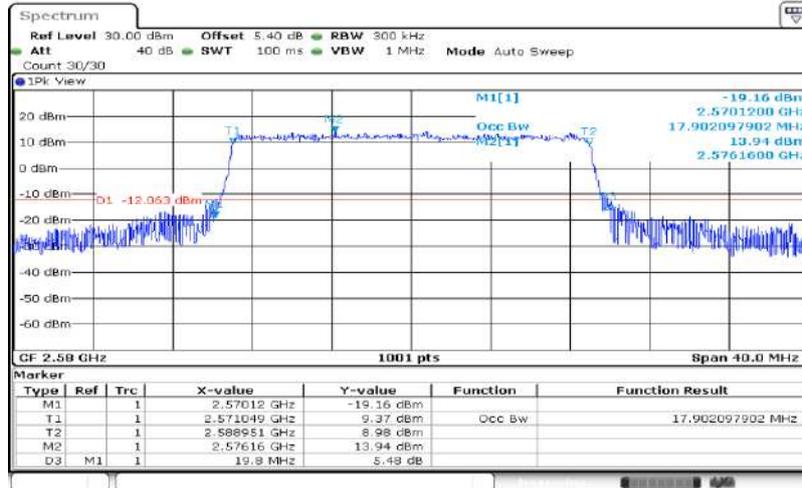


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 26 NOV 2019 19:36:36

Band38-20MHz-16QAM-37850-100RB#0-17.902

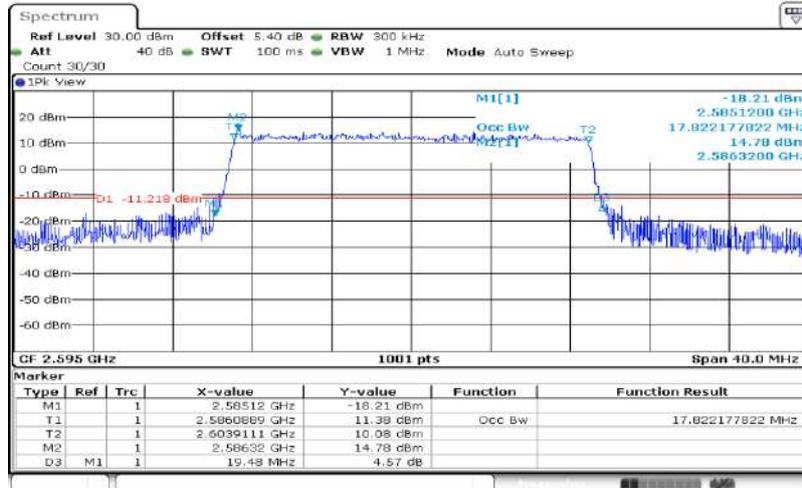


Date: 10 NOV 2019 23:47:42

Band38-20MHz-16QAM-38000-100RB#0-17.822

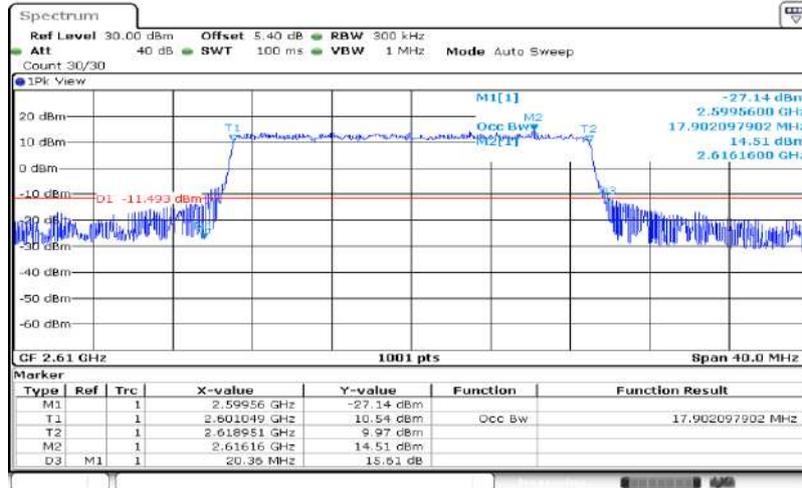


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:48:03

Band38-20MHz-16QAM-38150-100RB#0-17.902



Date: 10.NOV.2019 23:48:24

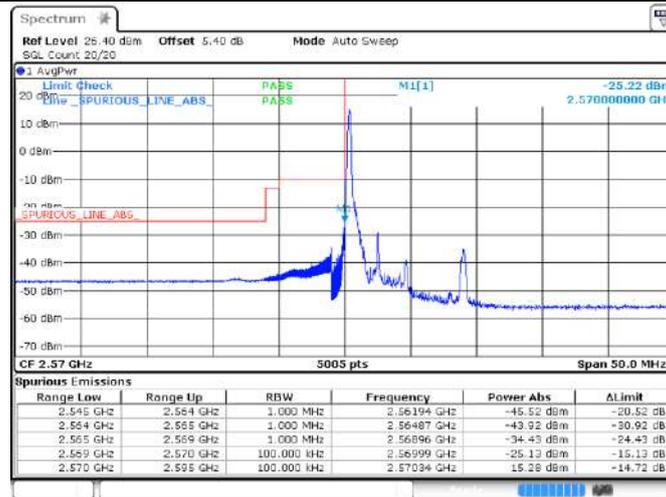


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

5. Band Edge Compliance

5.1. Test Plots

Band38_5MHz_QPSK_37775_1RB#0



Date: 11 NOV 2019 01:11:46

Band38_5MHz_QPSK_37775_25RB#0

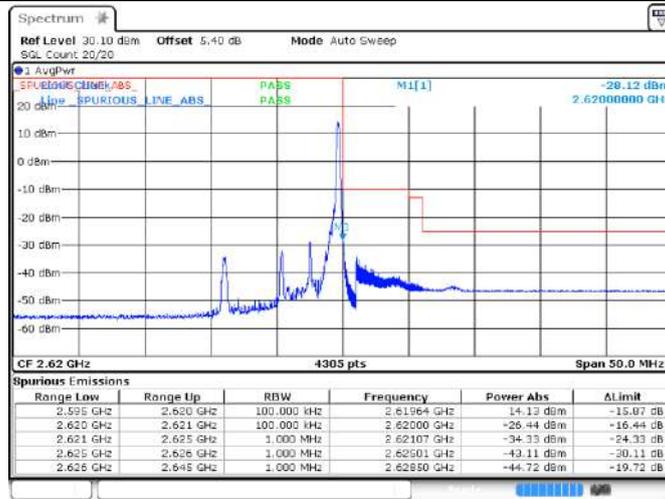


Date: 11 NOV 2019 01:12:58

Band38_5MHz_QPSK_38225_1RB#24



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.



Date: 11 NOV 2019 01:16:35

Band38_5MHz_QPSK_38225_25RB#0

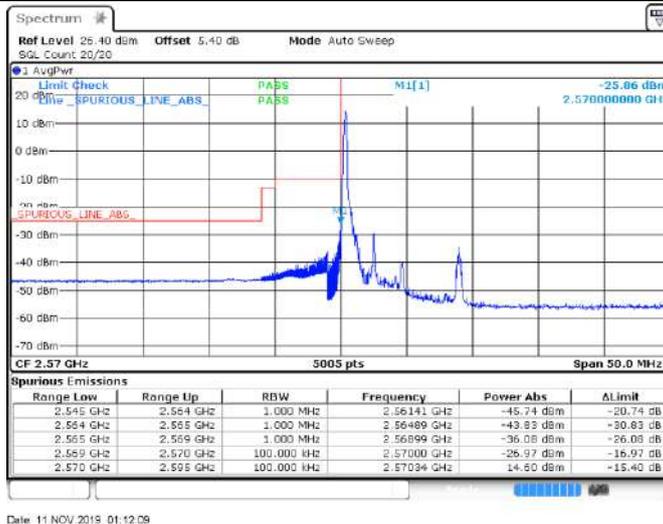


Date: 11 NOV 2019 01:15:00

Band38_5MHz_16QAM_37775_1RB#0



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



Date: 11 NOV 2019 01:12:09

Band38_5MHz_16QAM_3775_25RB#0

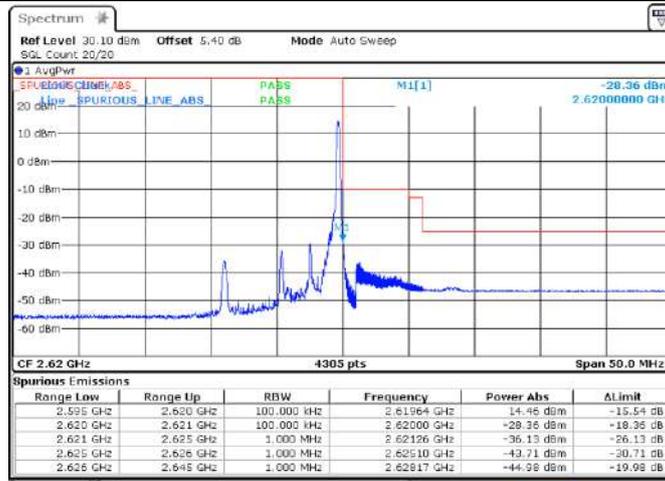


Date: 11 NOV 2019 01:12:34

Band38_5MHz_16QAM_38225_1RB#24

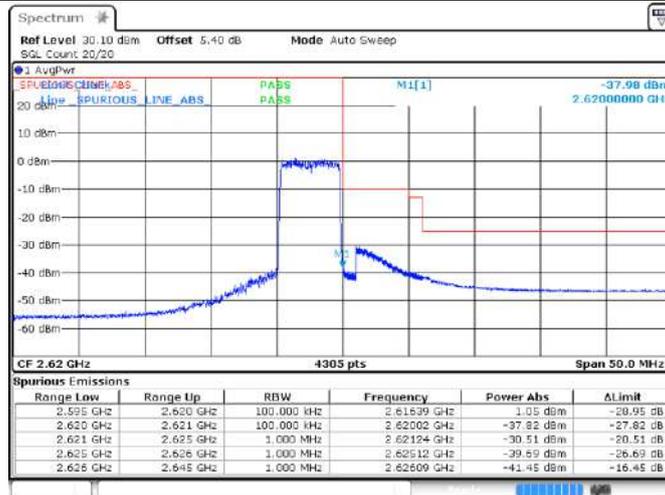


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:16:52

Band38_5MHz_16QAM_38225_25RB#0

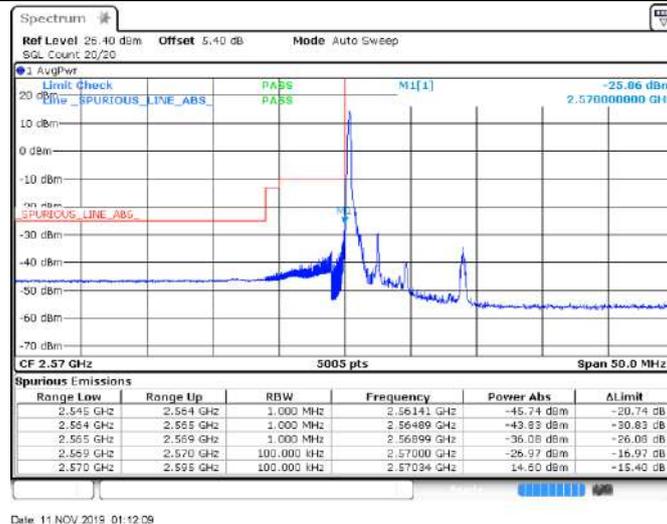


Date: 11 NOV 2019 01:15:55

Band38_5MHz_64QAM_37775_1RB#0

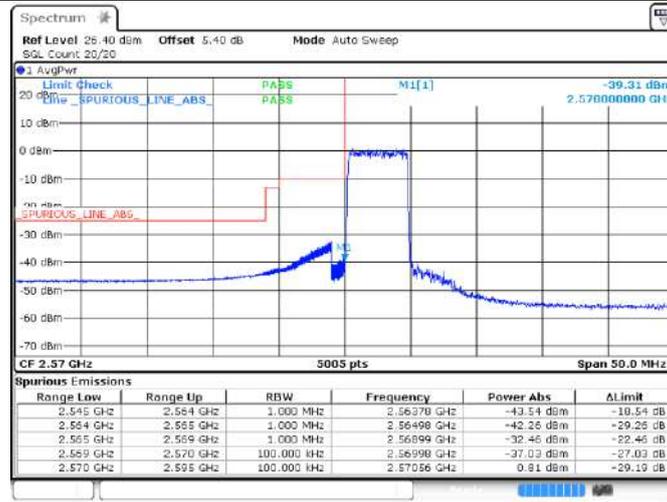


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:12:09

Band38_5MHz_64QAM_3775_25RB#0

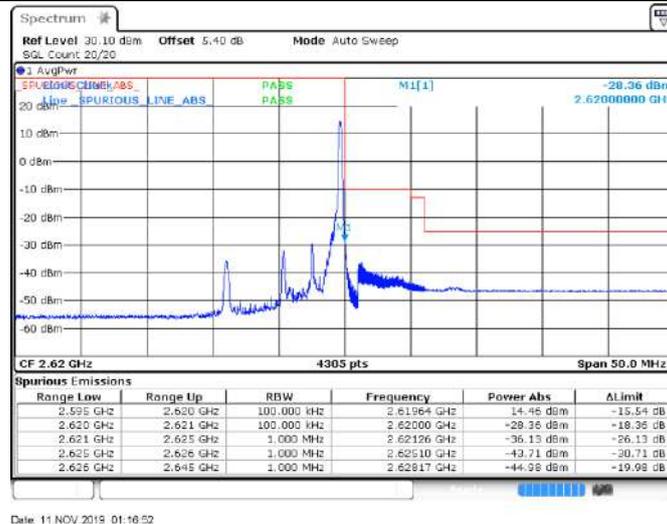


Date: 11 NOV 2019 01:12:34

Band38_5MHz_64QAM_38225_1RB#24

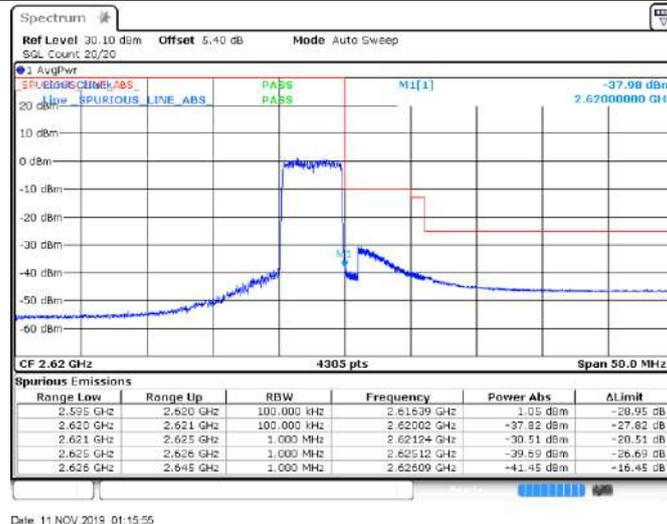


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:16:52

Band38_5MHz_64QAM_38225_25RB#0

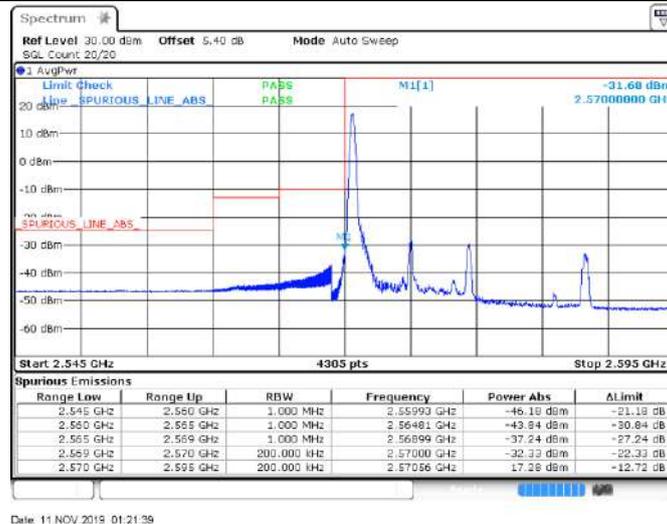


Date: 11 NOV 2019 01:15:55

Band38_10MHz_QPSK_37800_1RB#0

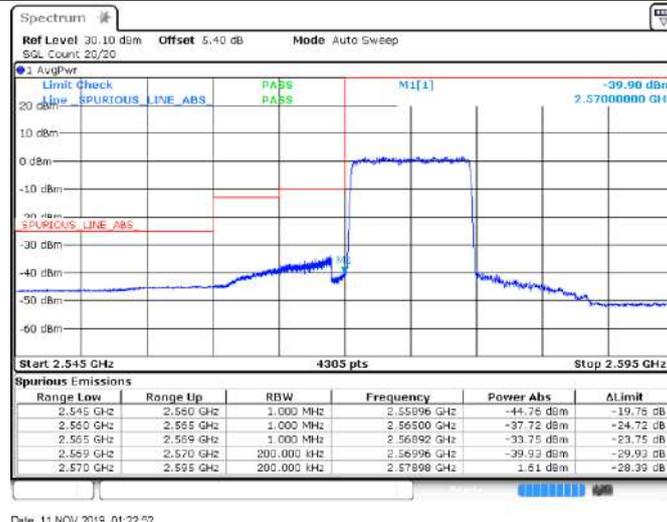


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:21:39

Band38_10MHz_QPSK_37800_50RB#0

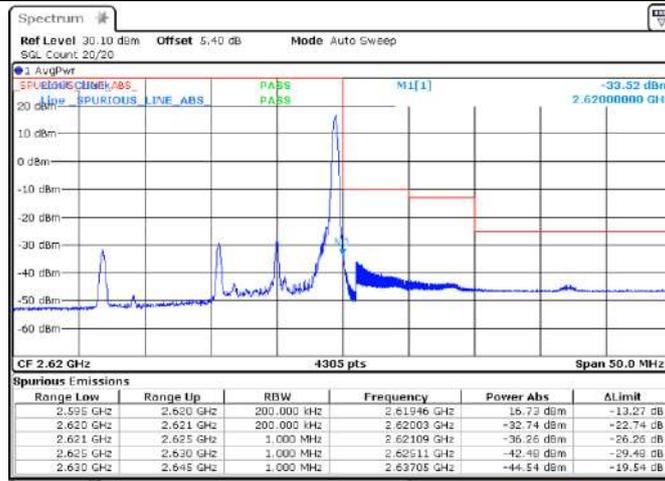


Date: 11 NOV 2019 01:22:52

Band38_10MHz_QPSK_38200_1RB#49

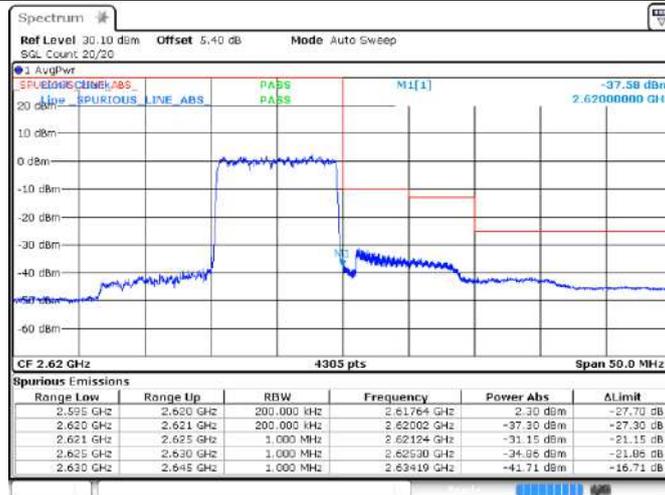


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:20:17

Band38_10MHz_QPSK_38200_50RB#0

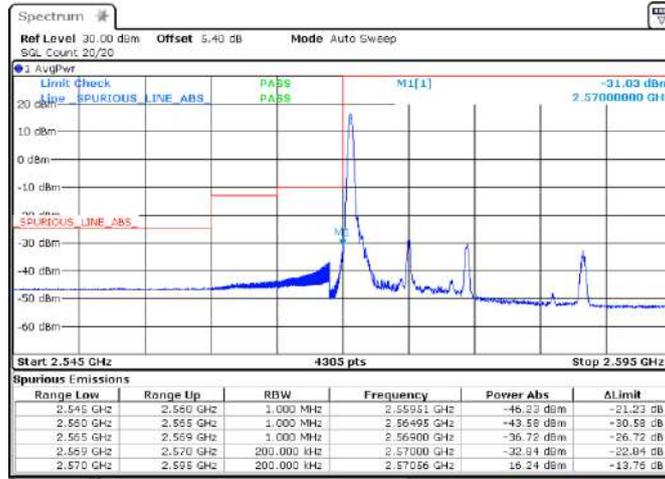


Date: 11 NOV 2019 01:19:16

Band38_10MHz_16QAM_37800_1RB#0

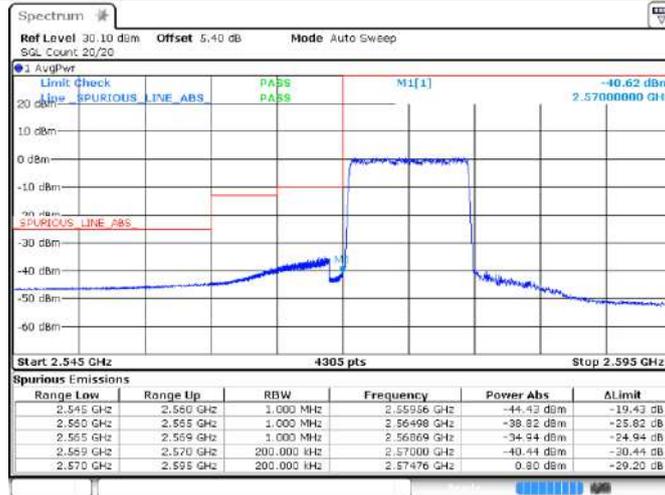


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:21:54

Band38_10MHz_16QAM_37800_50RB#0

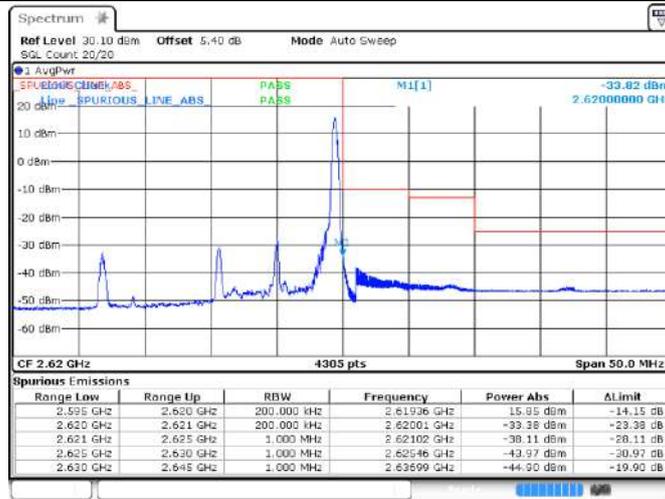


Date: 11 NOV 2019 01:22:29

Band38_10MHz_16QAM_38200_1RB#49

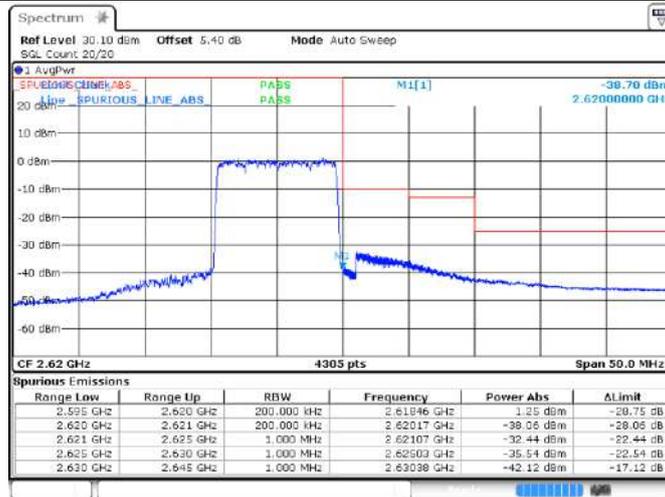


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:20:30

Band38_10MHz_16QAM_38200_50RB#0

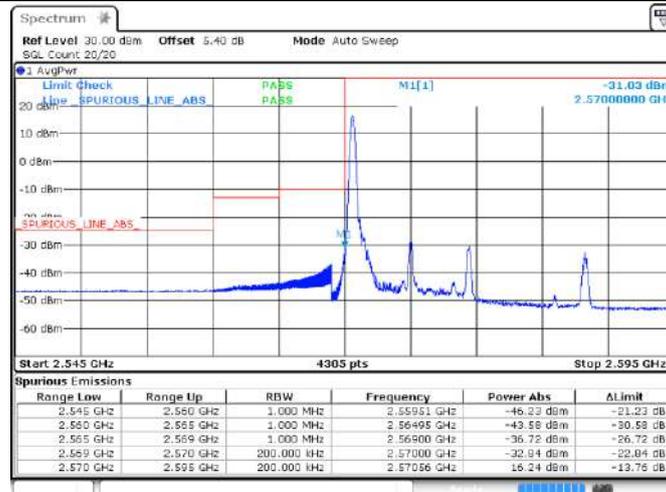


Date: 11 NOV 2019 01:18:16

Band38_10MHz_64QAM_37800_1RB#0

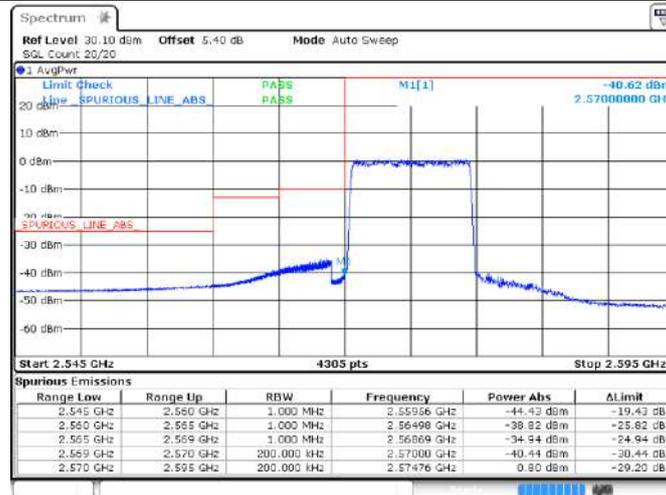


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:21:54

Band38_10MHz_64QAM_37800_50RB#0

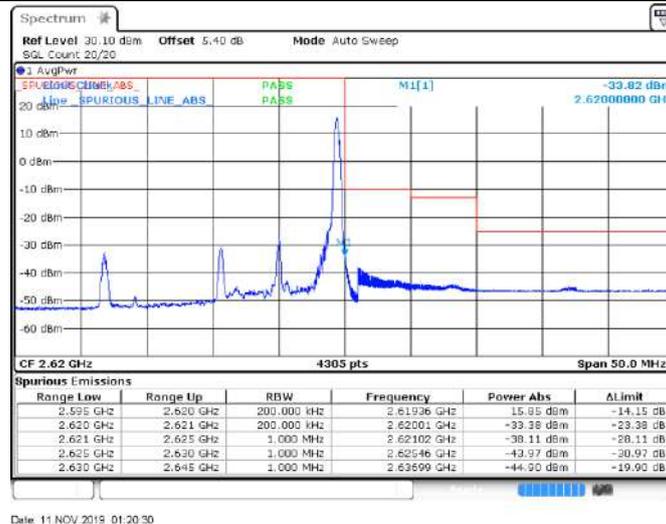


Date: 11 NOV 2019 01:22:29

Band38_10MHz_64QAM_38200_1RB#49

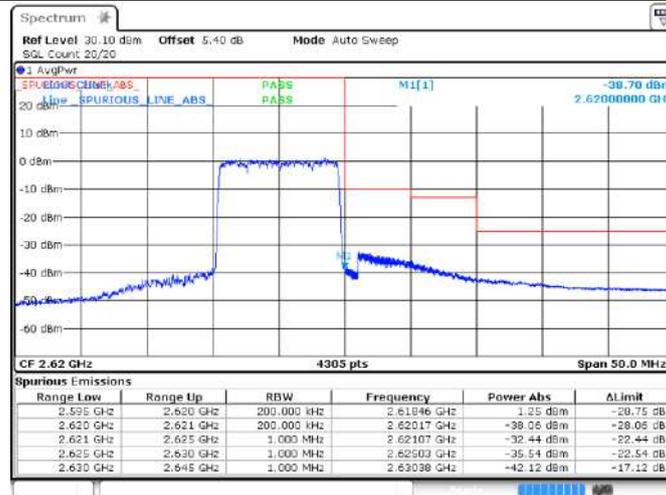


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:20:30

Band38_10MHz_64QAM_38200_50RB#0

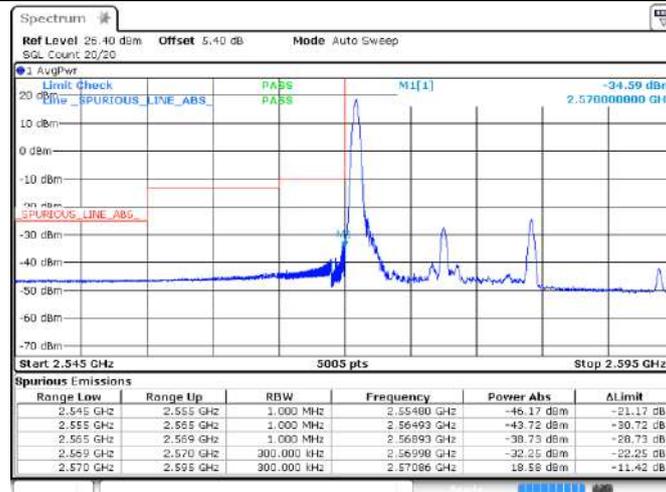


Date: 11 NOV 2019 01:18:16

Band38_15MHz_QPSK_37825_1RB#0

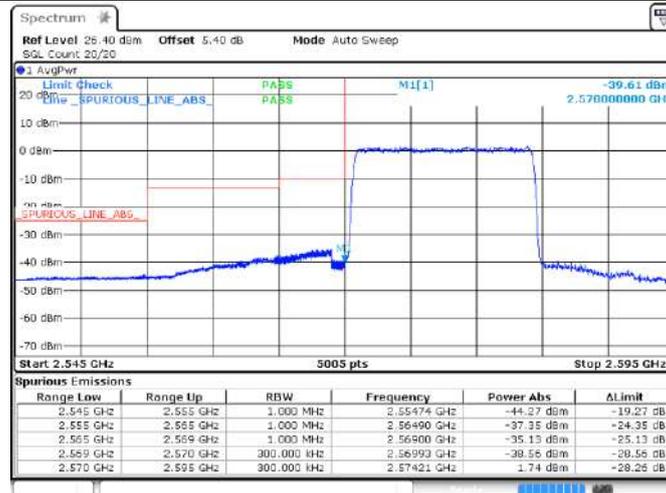


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:24:02

Band38_15MHz_QPSK_37825_75RB#0

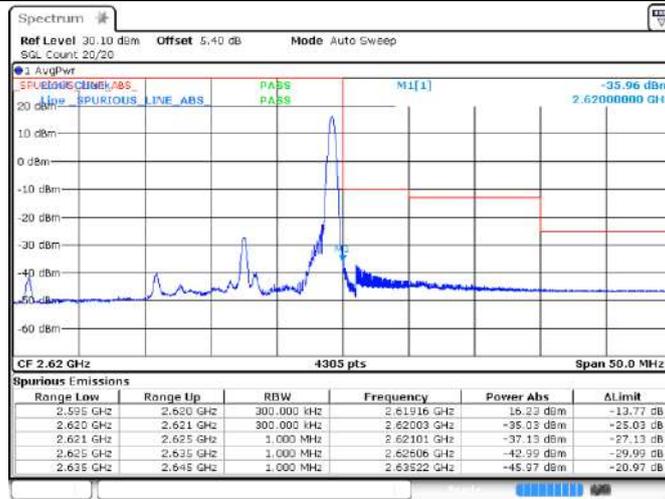


Date: 11 NOV 2019 01:24:46

Band38_15MHz_QPSK_38175_1RB#74

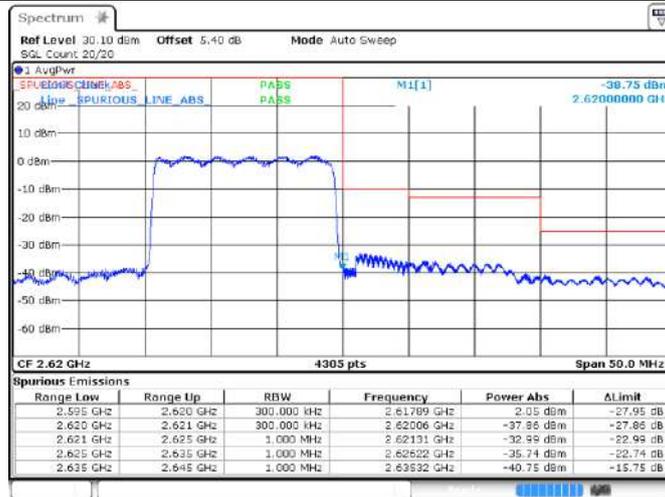


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:28:51

Band38_15MHz_QPSK_38175_75RB#0

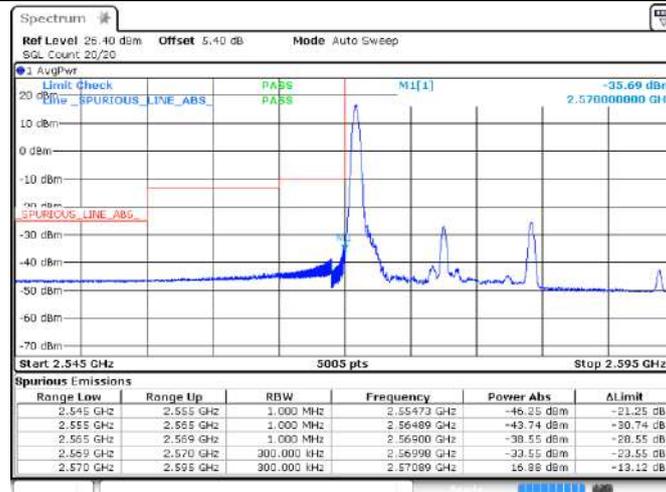


Date: 11 NOV 2019 01:25:52

Band38_15MHz_16QAM_37825_1RB#0

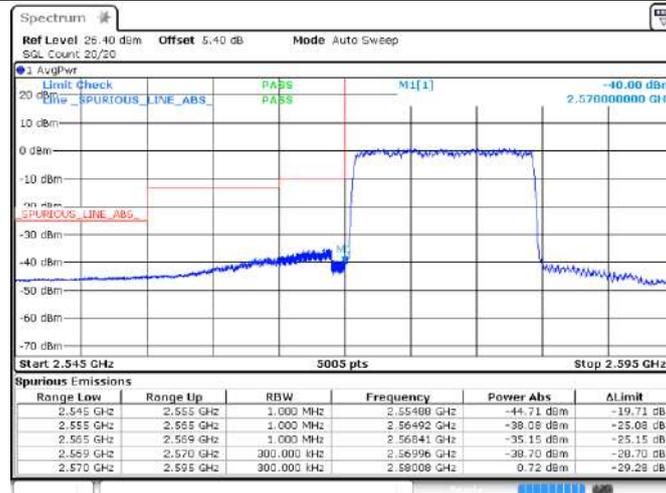


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:24:16

Band38_15MHz_16QAM_37825_75RB#0



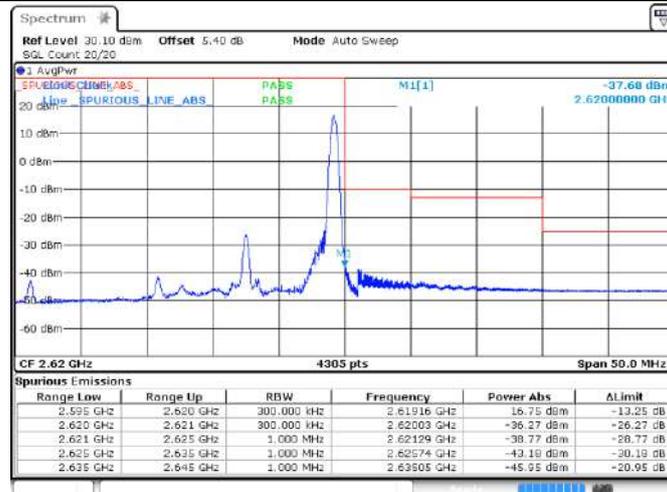
Date: 11 NOV 2019 01:24:32

Band38_15MHz_16QAM_38175_1RB#74



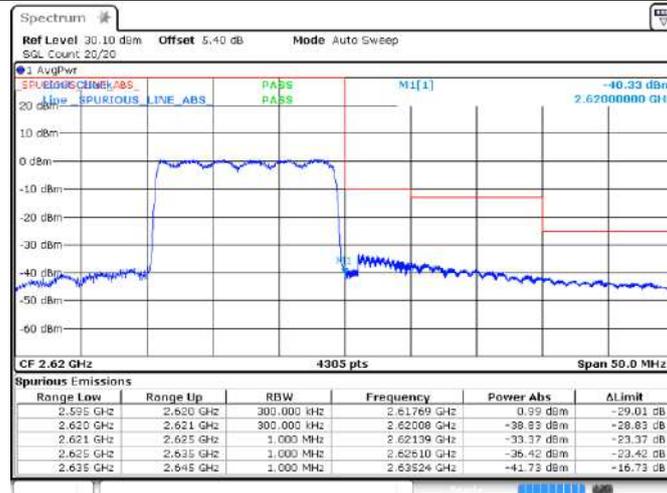
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 11 NOV 2019 01:28:37

Band38_15MHz_16QAM_38175_75RB#0

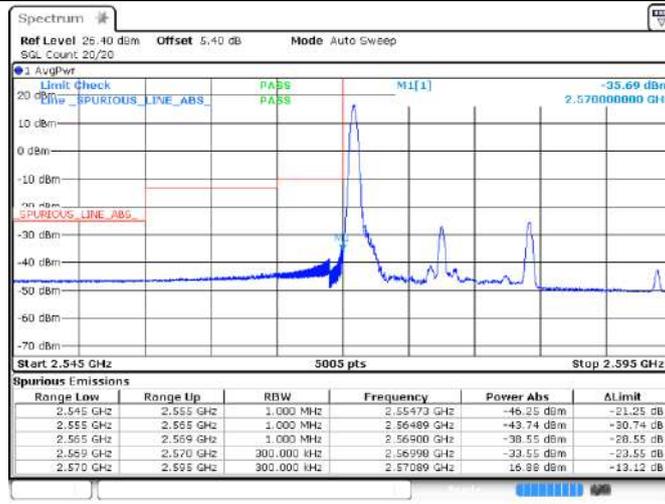


Date: 11 NOV 2019 01:28:09

Band38_15MHz_64QAM_37825_1RB#0

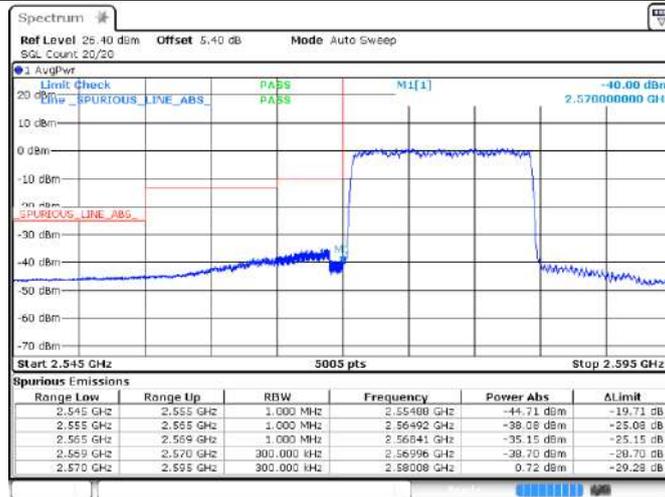


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:24:16

Band38_15MHz_64QAM_37825_75RB#0

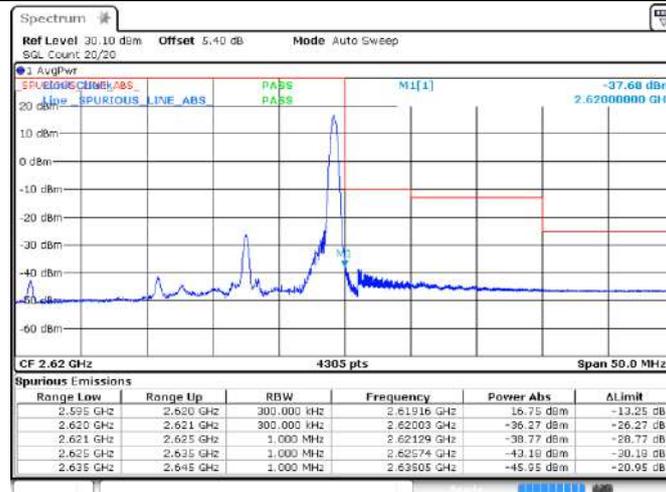


Date: 11 NOV 2019 01:24:32

Band38_15MHz_64QAM_38175_1RB#74

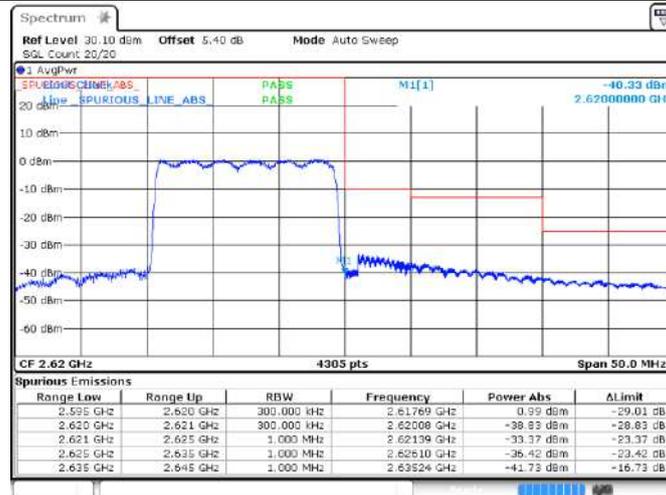


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:28:37

Band38_15MHz_64QAM_38175_75RB#0

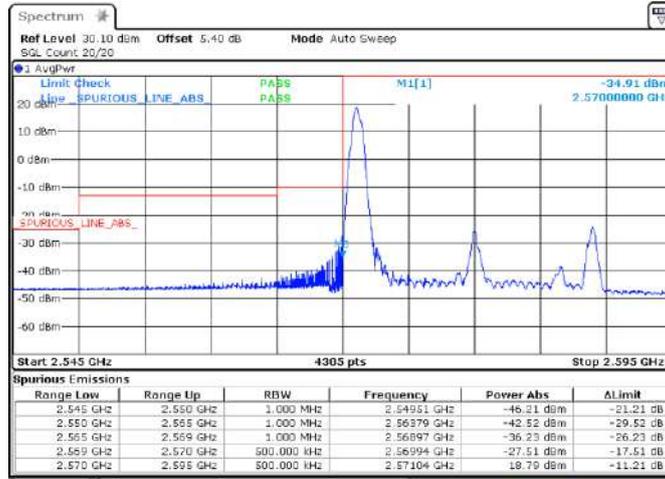


Date: 11 NOV 2019 01:28:09

Band38_20MHz_QPSK_37850_1RB#0

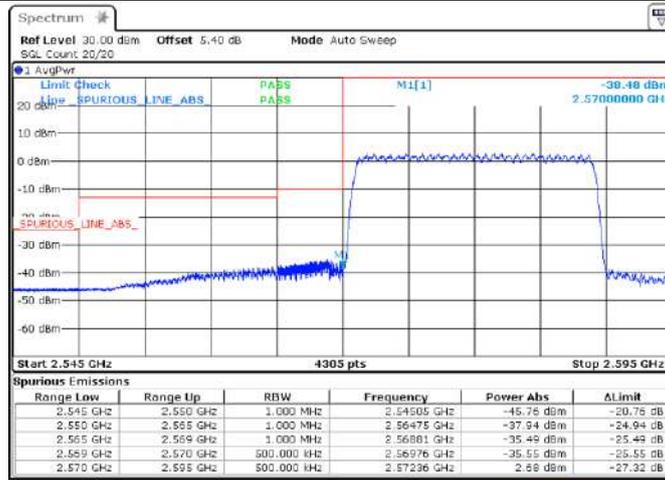


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:32:16

Band38_20MHz_QPSK_37850_100RB#0

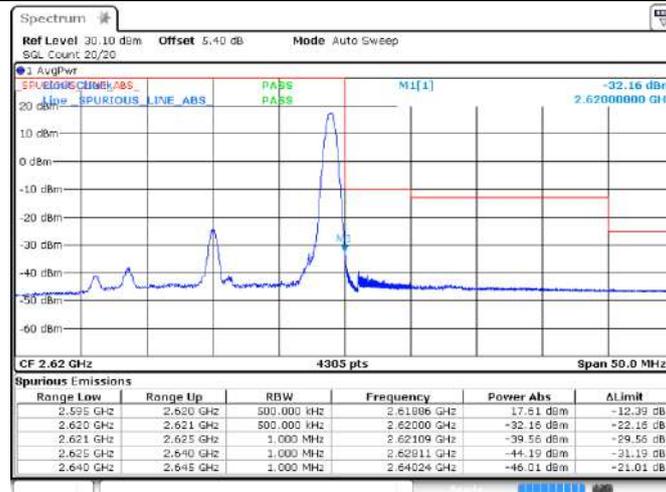


Date: 11 NOV 2019 01:31:00

Band38_20MHz_QPSK_38150_1RB#99

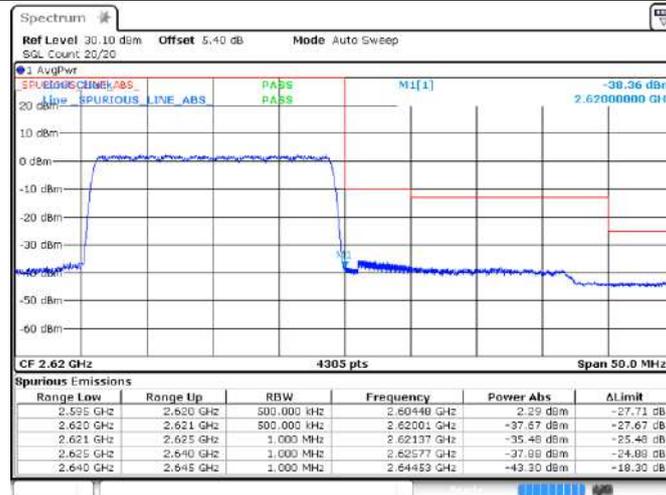


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:29:17

Band38_20MHz_QPSK_38150_100RB#0

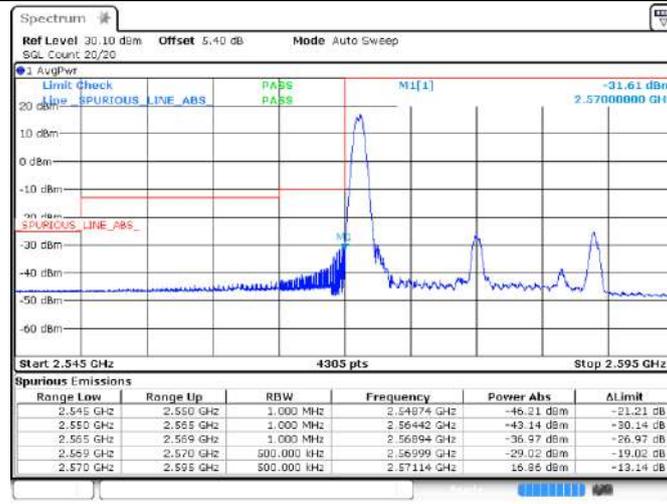


Date: 11 NOV 2019 01:30:17

Band38_20MHz_16QAM_37850_1RB#0

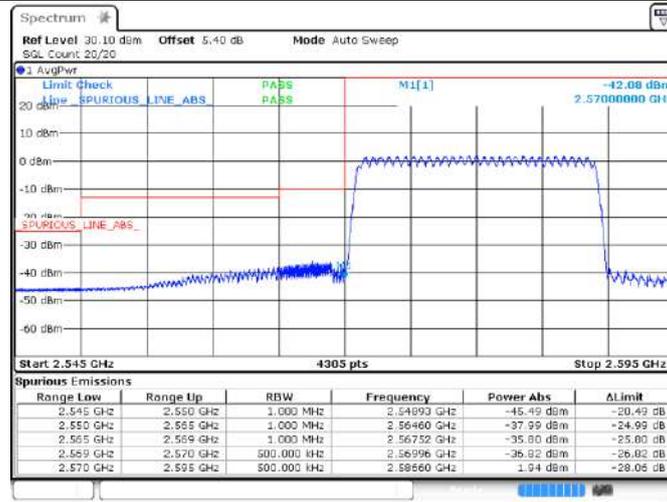


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:32:00

Band38_20MHz_16QAM_37850_100RB#0

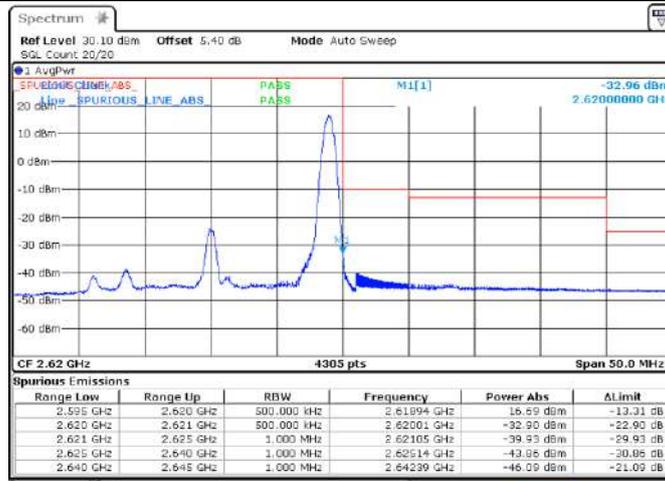


Date: 11 NOV 2019 01:31:36

Band38_20MHz_16QAM_38150_1RB#99

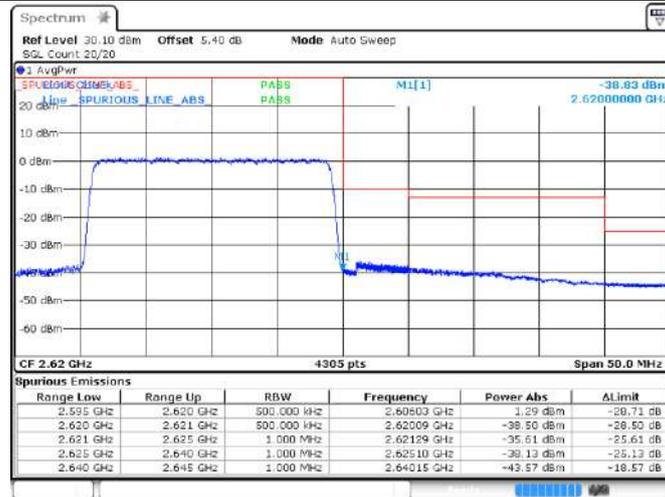


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:29:34

Band38_20MHz_16QAM_38150_100RB#0

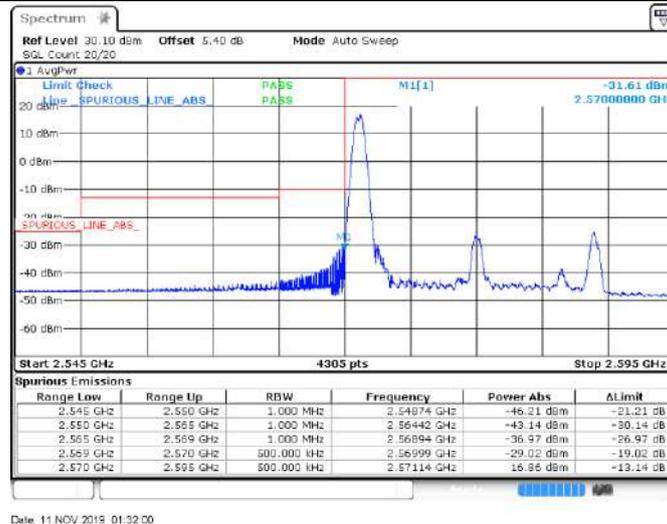


Date: 11 NOV 2019 01:29:56

Band38_20MHz_64QAM_37850_1RB#0

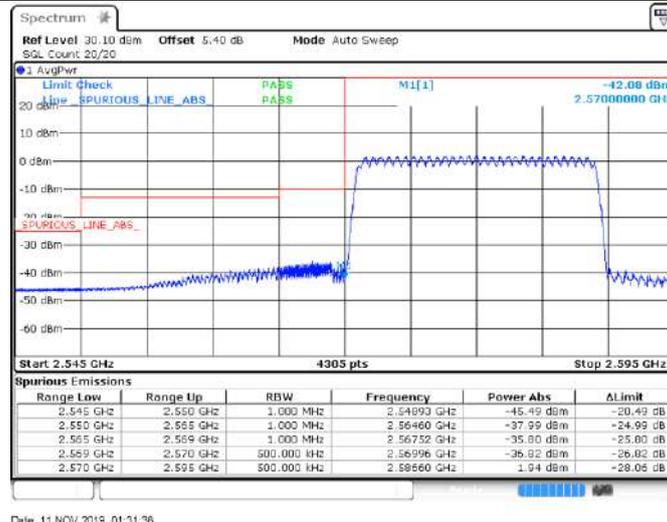


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:32:00

Band38_20MHz_64QAM_37850_100RB#0

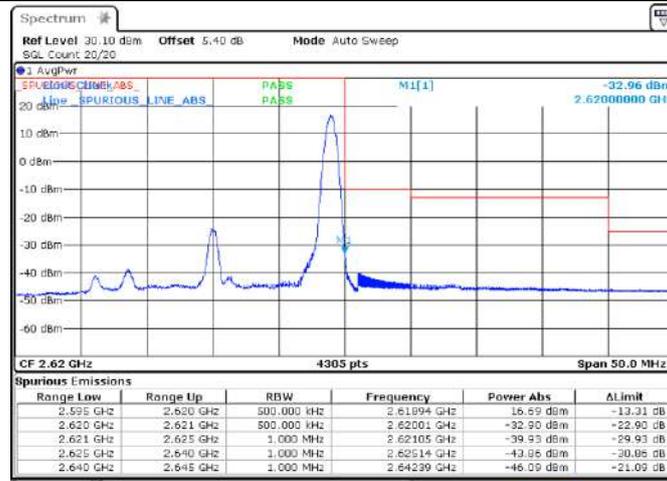


Date: 11 NOV 2019 01:31:36

Band38_20MHz_64QAM_38150_1RB#99

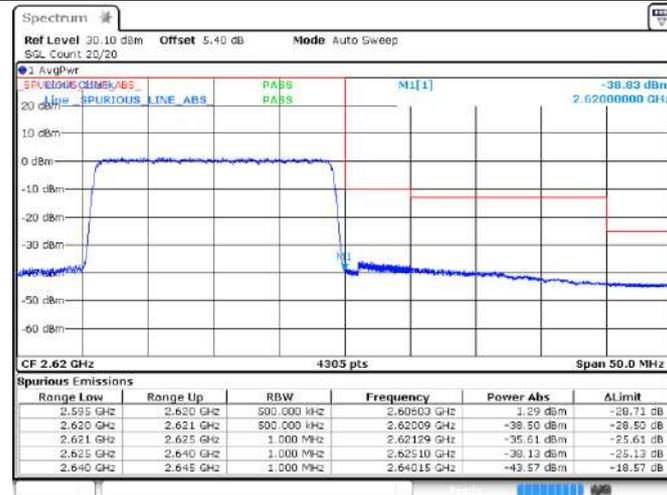


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 11 NOV 2019 01:29:34

Band38_20MHz_64QAM_38150_100RB#0



Date: 11 NOV 2019 01:29:56



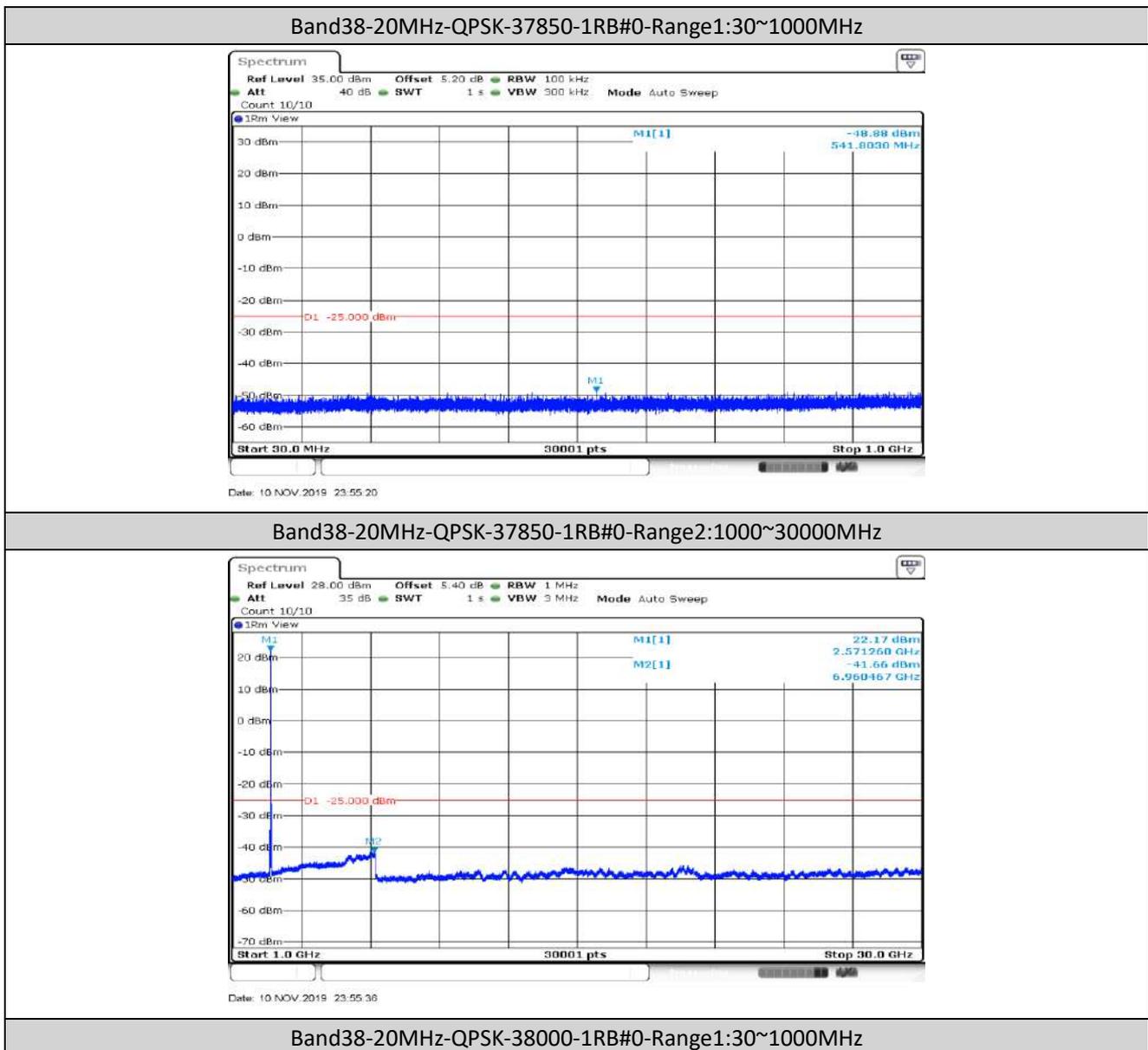
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

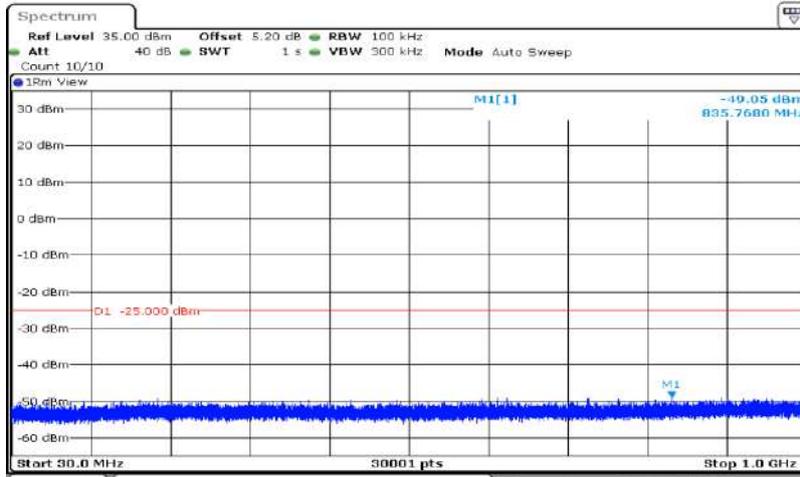
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " 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

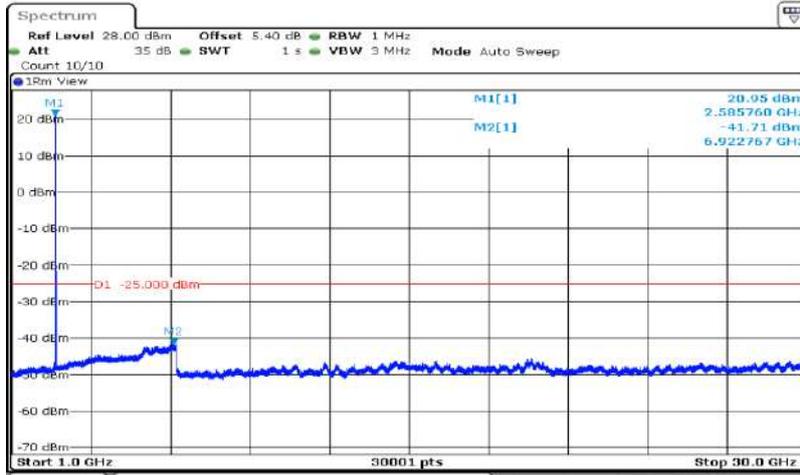


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:56:28

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

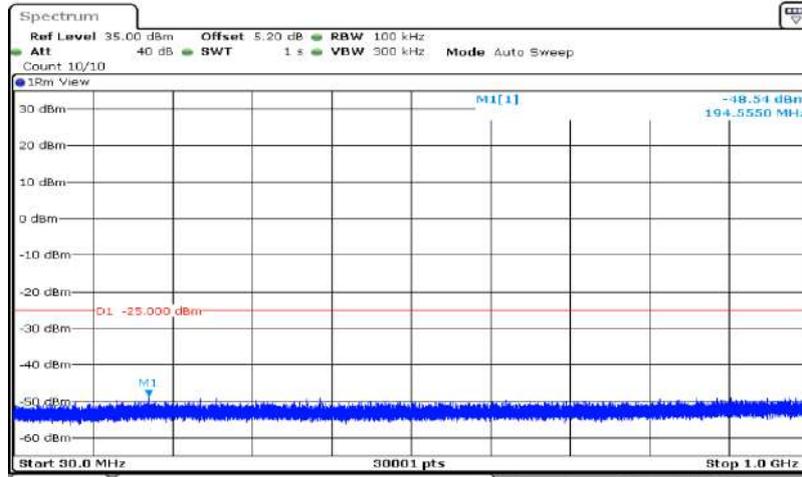


Date: 10.NOV.2019 23:56:42

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

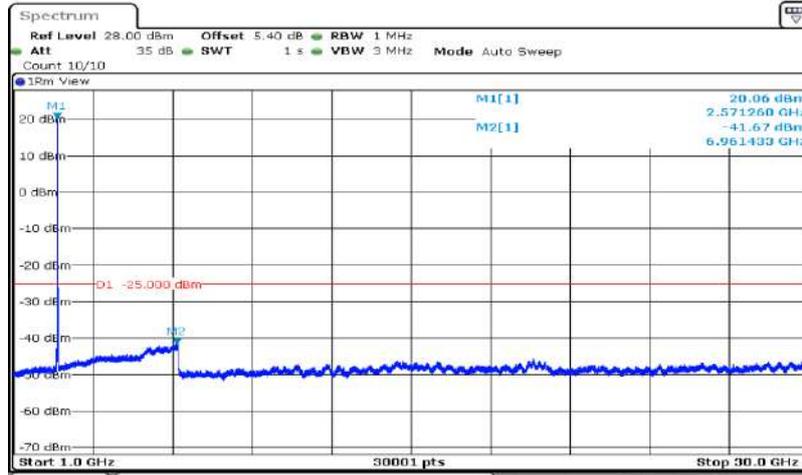


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 26 NOV 2019 19:36:59

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



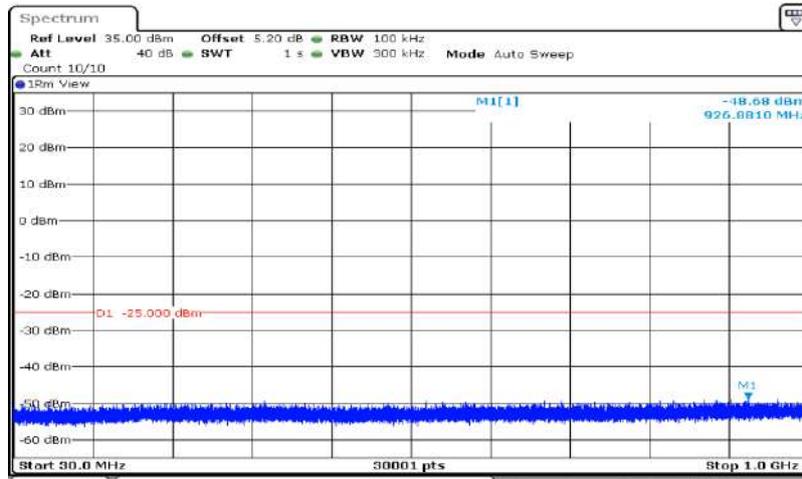
Date: 26 NOV 2019 19:37:16

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



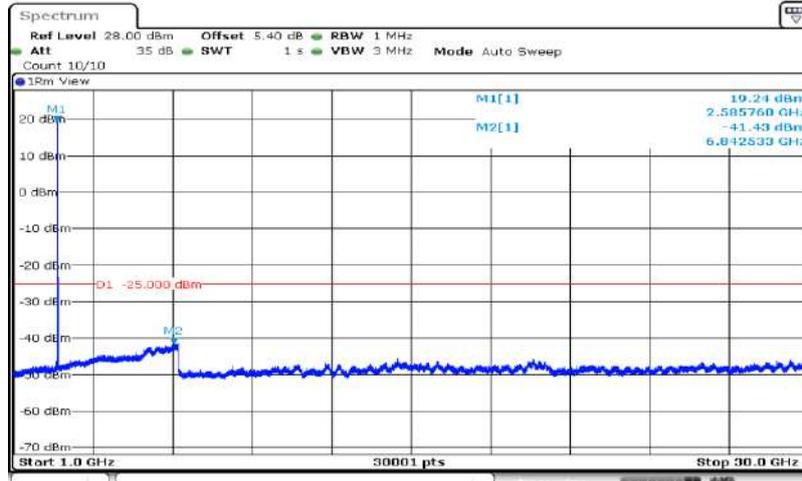
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 26 NOV 2019 19:37:34

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



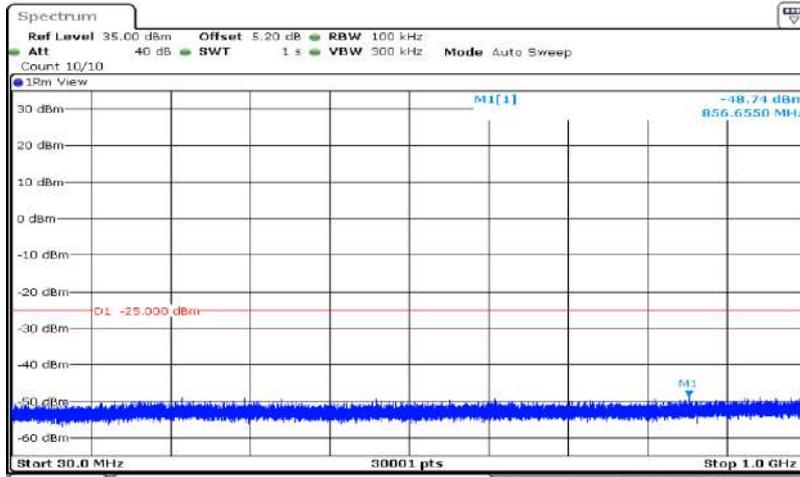
Date: 26 NOV 2019 19:37:51

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



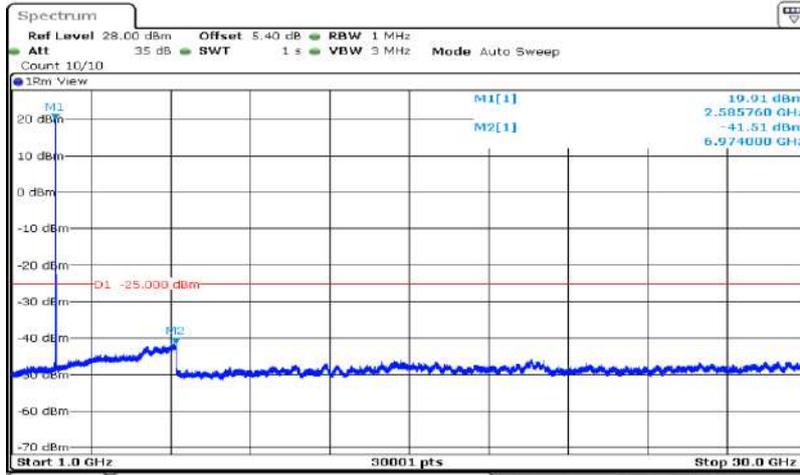
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 10.NOV.2019 23:56:58

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

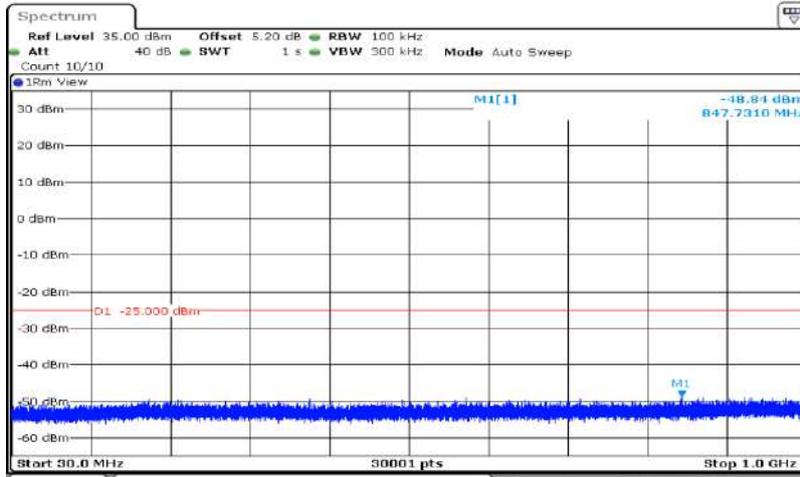


Date: 10.NOV.2019 23:57:14

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

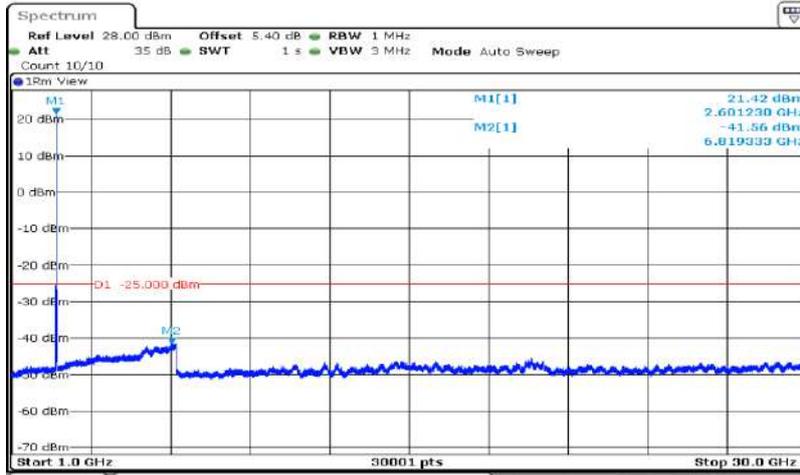


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.NOV.2019 23:58:04

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



Date: 10.NOV.2019 23:58:21



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

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
113.9577	-64.07	-25.00	39.07	258	102	Vertical
238.1239	-67.94	-25.00	42.94	296	222	Vertical
720.9170	-61.41	-25.00	36.41	274	19	Vertical
4064.0355	-55.59	-25.00	30.59	159	138	Vertical
5142.0714	-54.63	-25.00	29.63	196	282	Vertical
17997.4999	-35.35	-25.00	10.35	231	196	Vertical
44.8417	-63.78	-25.00	38.78	174	202	Horizontal
238.1724	-65.12	-25.00	40.12	185	260	Horizontal
1795.7592	-43.41	-25.00	18.41	196	69	Horizontal
4064.0355	-57.43	-25.00	32.43	123	286	Horizontal
5142.0714	-54.83	-25.00	29.83	262	128	Horizontal
16399.9467	-38.56	-25.00	13.56	215	202	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
66.6678	-66.68	-25.00	41.68	258	125	Vertical
108.8164	-64.85	-25.00	39.85	174	125	Vertical
1237.2474	-47.89	-25.00	22.89	196	282	Vertical
4064.0355	-56.28	-25.00	31.28	231	189	Vertical
7758.1586	-50.69	-25.00	25.69	262	189	Vertical
17960.9987	-35.45	-25.00	10.45	215	46	Vertical
42.1256	-63.51	-25.00	38.51	258	193	Horizontal
238.1724	-65.53	-25.00	40.53	147	114	Horizontal
1210.8422	-48.42	-25.00	23.42	196	143	Horizontal
5172.0724	-55.25	-25.00	30.25	321	303	Horizontal
8773.1924	-51.18	-25.00	26.18	262	64	Horizontal
16397.4466	-38.27	-25.00	13.27	214	114	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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
66.6678	-65.88	-25.00	40.88	258	120	Vertical
110.2230	-64.56	-25.00	39.56	296	61	Vertical
238.1724	-67.25	-25.00	42.25	274	222	Vertical
4064.0355	-55.97	-25.00	30.97	159	198	Vertical
7803.6601	-47.37	-25.00	22.37	196	198	Vertical
17998.5000	-35.24	-25.00	10.24	321	345	Vertical
43.1927	-63.57	-25.00	38.57	158	307	Horizontal
238.1724	-65.33	-25.00	40.33	196	133	Horizontal
640.4030	-62.55	-25.00	37.55	312	1	Horizontal
5202.5734	-54.29	-25.00	29.29	251	356	Horizontal
7803.1601	-50.40	-25.00	25.40	174	1	Horizontal
16397.9466	-38.63	-25.00	13.63	185	257	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	-18.90	-0.007326	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-22.13	-0.008578	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-17.22	-0.006674	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-20.30	-0.007823	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-26.26	-0.010119	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-22.50	-0.008671	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-13.93	-0.005337	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-20.59	-0.007889	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-13.89	-0.005322	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-11.00	-0.004264	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-11.50	-0.004457	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-1.80	-0.000698	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	0.60	0.000231	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	3.80	0.001464	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-4.10	-0.001580	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-0.70	-0.000268	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	7.00	0.002682	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	2.60	0.000996	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-17.38	-0.006736	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-20.61	-0.007988	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-16.82	-0.006519	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-21.97	-0.008466	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-49.07	-0.018909	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-22.53	-0.008682	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-13.50	-0.005172	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-14.88	-0.005701	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-15.34	-0.005877	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-19.08	-0.007395	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-15.48	-0.006000	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-18.32	-0.007101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-18.54	-0.007186	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-15.85	-0.006143	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-16.75	-0.006492	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-19.83	-0.007686	±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	QPSK	37850	100RB#0	NV	50	-25.66	-0.009946	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-20.71	-0.007981	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-19.47	-0.007503	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-21.14	-0.008146	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-20.74	-0.007992	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-23.57	-0.009083	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-21.56	-0.008308	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-21.46	-0.008270	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-24.02	-0.009256	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-16.89	-0.006471	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-14.91	-0.005713	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-18.61	-0.007130	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-14.83	-0.005682	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-14.68	-0.005625	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-19.33	-0.007406	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-14.45	-0.005536	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-13.95	-0.005345	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-4.20	-0.001628	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-18.10	-0.007016	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-14.10	-0.005465	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-12.50	-0.004845	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-1.50	-0.000581	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-2.10	-0.000814	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-12.90	-0.005000	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-1.10	-0.000426	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-10.00	-0.003854	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-8.00	-0.003083	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	2.50	0.000963	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-1.10	-0.000424	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-2.00	-0.000771	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-14.00	-0.005395	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	2.60	0.001002	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-5.60	-0.002158	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-5.00	-0.001916	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-0.20	-0.000077	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-7.40	-0.002835	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-0.20	-0.000077	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-0.70	-0.000268	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-7.60	-0.002912	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-5.10	-0.001954	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	0.50	0.000192	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-23.53	-0.009120	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-18.44	-0.007147	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-17.91	-0.006942	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-16.18	-0.006271	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-19.30	-0.007481	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-20.73	-0.008035	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-15.31	-0.005934	±2.5	PASS



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

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



Band38	20MHz	16QAM	37850	100RB#0	NV	50	-18.65	-0.007229	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-21.92	-0.008447	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-22.50	-0.008671	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-16.89	-0.006509	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-20.93	-0.008066	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-19.61	-0.007557	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-21.40	-0.008247	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-25.81	-0.009946	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-19.44	-0.007491	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-15.64	-0.005992	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-13.28	-0.005088	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-17.64	-0.006759	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-14.93	-0.005720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-14.58	-0.005586	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-14.58	-0.005586	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-14.52	-0.005563	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-16.25	-0.006226	±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