



Appendix B

E-UTRA Band 41



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

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



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER	4
1.1. TEST RESULT FOR DOWN ANT.....	4
1.2. TEST RESULT FOR UP ANT.....	11
2. PEAK-TO-AVERAGE RATIO (CCDF)	20
2.1. TEST RESULT	20
2.2. TEST PLOTS.....	20
3. MODULATION CHARACTERISTICS	25
3.1. TEST MODE = LTE /TM1 20MHZ.....	25
3.1.1. TEST CHANNEL = MCH	25
3.2. TEST MODE = LTE /TM2 20MHZ.....	26
3.2.1. TEST CHANNEL = MCH	26
3.3. TEST MODE = LTE /TM3 20MHZ.....	27
3.3.1. TEST CHANNEL = MCH	27
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	28
4.1. TEST RESULT	28
4.2. TEST PLOTS.....	29
5. BAND EDGE COMPLIANCE.....	47
5.1. TEST PLOTS.....	47
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	71
6.1. TEST PLOTS.....	71
7. FIELD STRENGTH OF SPURIOUS RADIATION	80
7.1. TEST MODE =LTE/TM1 (DOWN ANT)	80
7.1.1. TEST CHANNEL = LCH	80
7.1.2. TEST CHANNEL = MCH	80
7.1.3. TEST CHANNEL = HCH	81
7.2. TEST MODE =LTE/TM1 (UP ANT)	81
7.2.1. TEST CHANNEL = LCH	81
7.2.2. TEST CHANNEL = MCH	81
7.2.3. TEST CHANNEL = HCH	82



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

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



8. FREQUENCY STABILITY	83
8.1. FREQUENCY VS VOLTAGE	83
8.2. FREQUENCY VS TEMPERATURE	83



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

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



1 Effective (Isotropic) Radiated Power

1.1. Test Result for Down Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.18	24.88	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.17	24.87	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.09	24.79	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.13	23.83	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.16	23.86	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.15	23.85	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.20	23.90	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.03	24.73	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.15	24.85	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.02	24.72	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	22.08	23.78	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.14	23.84	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	22.17	23.87	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.08	23.78	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.10	24.80	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.13	24.83	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.01	24.71	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.05	23.75	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.16	23.86	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.11	23.81	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.00	23.70	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	21.22	22.92	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	21.12	22.82	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.06	22.76	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	20.26	21.96	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	20.26	21.96	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	20.25	21.95	33.00	PASS





Band41	5MHz	64QAM	39675	25RB#0	20.34	22.04	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	21.11	22.81	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	21.25	22.95	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	21.08	22.78	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	21.16	22.86	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	20.25	21.95	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	20.31	22.01	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	20.27	21.97	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.07	22.77	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.23	22.93	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	21.11	22.81	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	21.17	22.87	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#6	20.37	22.07	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#0	20.33	22.03	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.37	22.07	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.25	23.95	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.26	23.96	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.30	24.00	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.15	22.85	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.17	22.87	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.16	22.86	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.16	22.86	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.15	23.85	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.31	24.01	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.21	23.91	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	21.07	22.77	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	21.12	22.82	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	21.16	22.86	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.11	22.81	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.17	23.87	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.23	23.93	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.14	23.84	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.08	22.78	33.00	PASS



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com
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



Band41	5MHz	16QAM	41565	12RB#6	21.18	22.88	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.03	22.73	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.07	22.77	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.90	24.60	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.01	24.71	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.79	24.49	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.15	23.85	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.17	23.87	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.13	23.83	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.15	23.85	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.93	24.63	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.03	24.73	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.84	24.54	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	22.08	23.78	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.07	23.77	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.14	23.84	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.13	23.83	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.93	24.63	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.97	24.67	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.94	24.64	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.11	23.81	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.08	23.78	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.14	23.84	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.02	23.72	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	20.57	22.27	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	20.34	22.04	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	20.25	21.95	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	20.30	22.00	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	20.36	22.06	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	20.29	21.99	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	20.34	22.04	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	21.18	22.88	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	20.39	22.09	33.00	PASS



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

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

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



Band41	10MHz	64QAM	40620	1RB#24	20.25	21.95	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	20.19	21.89	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	20.32	22.02	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	20.28	21.98	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	20.31	22.01	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	21.07	22.77	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.12	22.82	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	21.04	22.74	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	21.11	22.81	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#0	20.25	21.95	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	20.34	22.04	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.37	22.07	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.31	24.01	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.13	23.83	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.21	23.91	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.20	22.90	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.19	22.89	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.00	22.70	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.26	22.96	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.18	23.88	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.20	23.90	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.17	23.87	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.01	22.71	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.10	22.80	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.17	22.87	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.18	22.88	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.32	24.02	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.18	23.88	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.19	23.89	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.10	22.80	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.11	22.81	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.06	22.76	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.07	22.77	33.00	PASS



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

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

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



Band41	15MHz	QPSK	39725	1RB#74	23.36	25.06	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.04	24.74	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.19	24.89	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	22.24	23.94	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	22.34	24.04	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	22.29	23.99	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.35	24.05	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.31	25.01	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.13	24.83	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.26	24.96	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	22.31	24.01	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	22.28	23.98	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	22.37	24.07	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.36	24.06	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.25	24.95	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.18	24.88	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.14	24.84	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	22.25	23.95	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	22.26	23.96	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	22.28	23.98	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.17	23.87	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.18	22.88	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.10	22.80	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	20.94	22.64	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	20.24	21.94	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	20.28	21.98	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#39	20.26	21.96	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.31	22.01	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.32	23.02	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	21.02	22.72	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.18	22.88	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	21.11	22.81	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	20.29	21.99	33.00	PASS



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

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

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



Band41	15MHz	64QAM	40620	36RB#18	20.19	21.89	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	20.27	21.97	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	21.29	22.99	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.18	22.88	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.10	22.80	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	20.82	22.52	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	20.21	21.91	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	20.36	22.06	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	20.29	21.99	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.48	24.18	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.22	23.92	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.34	24.04	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	21.35	23.05	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	21.24	22.94	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	21.18	22.88	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.31	23.01	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.55	24.25	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.27	23.97	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.29	23.99	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#0	21.33	23.03	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#18	21.29	22.99	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	21.28	22.98	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.32	23.02	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.54	24.24	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.29	23.99	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.37	24.07	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	21.34	23.04	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	21.24	22.94	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	21.26	22.96	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.29	22.99	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.31	25.01	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.21	24.91	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.14	24.84	33.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Inspection & Testing Services Laboratory

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



Band41	20MHz	QPSK	39750	50RB#25	22.36	24.06	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.31	24.01	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.30	24.00	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.29	23.99	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.23	24.93	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.20	24.90	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.27	24.97	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	22.37	24.07	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	22.32	24.02	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#50	22.26	23.96	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.26	23.96	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.38	25.08	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.15	24.85	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.23	24.93	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.39	24.09	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.30	24.00	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.25	23.95	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.38	24.08	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.50	23.20	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.30	23.00	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.58	23.28	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	20.33	22.03	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	20.29	21.99	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	20.36	22.06	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.31	22.01	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	21.42	23.12	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	21.24	22.94	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	21.26	22.96	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	21.13	22.83	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	20.21	21.91	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	20.16	21.86	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.32	22.02	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.41	23.11	33.00	PASS



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

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

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



Band41	20MHz	64QAM	41490	1RB#0	21.33	23.03	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.19	22.89	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#0	21.56	23.26	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	20.16	21.86	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	20.12	21.82	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.21	21.91	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.50	24.20	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.27	23.97	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.22	23.92	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.40	23.10	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.34	23.04	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.35	23.05	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.34	23.04	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.48	24.18	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.37	24.07	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.19	23.89	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.43	23.13	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.38	23.08	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.31	23.01	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.42	23.12	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.51	24.21	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.29	23.99	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.23	23.93	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.33	23.03	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.40	23.10	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.36	23.06	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.41	23.11	33.00	PASS

1.2. Test Result for Up Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.70	23.40	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.63	23.33	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.62	23.32	33.00	PASS



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

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



Band41	5MHz	QPSK	39675	12RB#6	20.67	22.37	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.72	22.42	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.69	22.39	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.66	22.36	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.45	23.15	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.57	23.27	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.44	23.14	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.53	22.23	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.59	22.29	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.53	22.23	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.53	22.23	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.58	23.28	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.62	23.32	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.48	23.18	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.62	22.32	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.64	22.34	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.59	22.29	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.58	22.28	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	19.97	21.67	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	19.82	21.52	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	19.90	21.60	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	18.85	20.55	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	18.85	20.55	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	18.84	20.54	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	18.94	20.64	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	19.59	21.29	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	19.90	21.60	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	19.85	21.55	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	19.82	21.52	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	18.73	20.43	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	18.71	20.41	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	18.76	20.46	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	19.56	21.26	33.00	PASS



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

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

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



Band41	5MHz	64QAM	41565	1RB#0	19.98	21.68	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	19.81	21.51	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	19.76	21.46	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#6	18.78	20.48	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#0	18.84	20.54	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	18.75	20.45	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.78	22.48	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.72	22.42	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	20.88	22.58	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.68	21.38	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.70	21.40	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.71	21.41	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	19.72	21.42	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	20.58	22.28	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	20.74	22.44	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	20.66	22.36	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.54	21.24	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.50	21.20	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.53	21.23	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	19.59	21.29	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.55	22.25	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	20.71	22.41	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.71	22.41	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.55	21.25	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.66	21.36	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.60	21.30	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.56	21.26	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.61	23.31	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.50	23.20	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.59	23.29	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.68	22.38	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.67	22.37	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	20.71	22.41	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

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

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



Band41	10MHz	QPSK	39700	50RB#0	20.68	22.38	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.58	23.28	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.49	23.19	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.48	23.18	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.57	22.27	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.56	22.26	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	20.63	22.33	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.52	22.22	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.57	23.27	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.50	23.20	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.45	23.15	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.63	22.33	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.61	22.31	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.67	22.37	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.55	22.25	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	19.97	21.67	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	19.84	21.54	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	19.73	21.43	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	18.97	20.67	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	18.87	20.57	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	18.85	20.55	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	18.86	20.56	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	19.58	21.28	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	19.89	21.59	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	19.73	21.43	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	19.81	21.51	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	18.83	20.53	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	18.78	20.48	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	18.79	20.49	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	19.64	21.34	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	19.99	21.69	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	19.83	21.53	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	19.77	21.47	33.00	PASS





Band41	10MHz	64QAM	41540	25RB#0	18.83	20.53	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	18.85	20.55	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	18.79	20.49	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.79	22.49	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	20.64	22.34	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	20.63	22.33	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	19.78	21.48	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	19.71	21.41	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	19.66	21.36	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	19.75	21.45	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	20.75	22.45	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	20.67	22.37	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	20.61	22.31	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#0	19.43	21.13	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	19.42	21.12	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	19.47	21.17	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	19.58	21.28	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	20.76	22.46	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	20.70	22.40	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	20.71	22.41	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.62	21.32	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.60	21.30	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.65	21.35	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.64	21.34	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	21.76	23.46	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	21.72	23.42	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.69	23.39	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	20.84	22.54	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	20.94	22.64	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	20.82	22.52	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	20.85	22.55	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.76	23.46	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.55	23.25	33.00	PASS



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

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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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



Band41	15MHz	QPSK	40620	1RB#74	21.69	23.39	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	20.70	22.40	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	20.67	22.37	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	20.65	22.35	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.75	22.45	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.76	23.46	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.61	23.31	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.73	23.43	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	20.81	22.51	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	20.71	22.41	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	20.79	22.49	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.69	22.39	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	19.98	21.68	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	19.74	21.44	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	19.81	21.51	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	18.96	20.66	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	18.86	20.56	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#39	18.85	20.55	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	18.86	20.56	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	19.72	21.42	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	20.06	21.76	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	19.76	21.46	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	19.72	21.42	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	18.82	20.52	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#18	18.72	20.42	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	18.81	20.51	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	19.70	21.40	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	19.96	21.66	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	19.74	21.44	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	19.66	21.36	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	18.79	20.49	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	18.76	20.46	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	18.77	20.47	33.00	PASS



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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



Band41	15MHz	16QAM	39725	1RB#38	21.01	22.71	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	20.85	22.55	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.82	22.52	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	19.84	21.54	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	19.87	21.57	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	19.75	21.45	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	19.88	21.58	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	20.88	22.58	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	20.90	22.60	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	20.84	22.54	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#0	19.73	21.43	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#18	19.70	21.40	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	19.78	21.48	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	19.72	21.42	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.11	22.81	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	20.79	22.49	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.91	22.61	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	19.79	21.49	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	19.77	21.47	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	19.75	21.45	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	19.70	21.40	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.98	23.68	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.61	23.31	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.61	23.31	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#25	20.95	22.65	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.96	22.66	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#50	20.81	22.51	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.89	22.59	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.72	23.42	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.71	23.41	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.64	23.34	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	20.70	22.40	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.76	22.46	33.00	PASS





Band41	20MHz	QPSK	40620	50RB#50	20.78	22.48	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.70	22.40	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.94	23.64	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.59	23.29	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.69	23.39	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.83	22.53	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.83	22.53	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.84	22.54	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.84	22.54	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	20.05	21.75	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	19.80	21.50	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	19.80	21.50	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	18.93	20.63	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	18.92	20.62	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	18.91	20.61	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.92	20.62	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	19.66	21.36	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	20.09	21.79	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	19.77	21.47	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	19.83	21.53	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	18.76	20.46	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	18.81	20.51	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	18.82	20.52	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	19.85	21.55	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	20.06	21.76	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	19.84	21.54	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#0	19.70	21.40	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	18.78	20.48	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	18.83	20.53	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	18.82	20.52	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	20.99	22.69	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	20.78	22.48	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	20.93	22.63	33.00	PASS



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

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

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



Band41	20MHz	16QAM	39750	50RB#0	19.99	21.69	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	19.91	21.61	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	19.80	21.50	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	19.88	21.58	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.09	22.79	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.79	22.49	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.69	22.39	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	19.86	21.56	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	19.73	21.43	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	19.84	21.54	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	19.66	21.36	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.05	22.75	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	20.81	22.51	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	20.69	22.39	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	19.85	21.55	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	19.86	21.56	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	19.84	21.54	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.85	21.55	33.00	PASS

Remark:

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

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

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



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

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

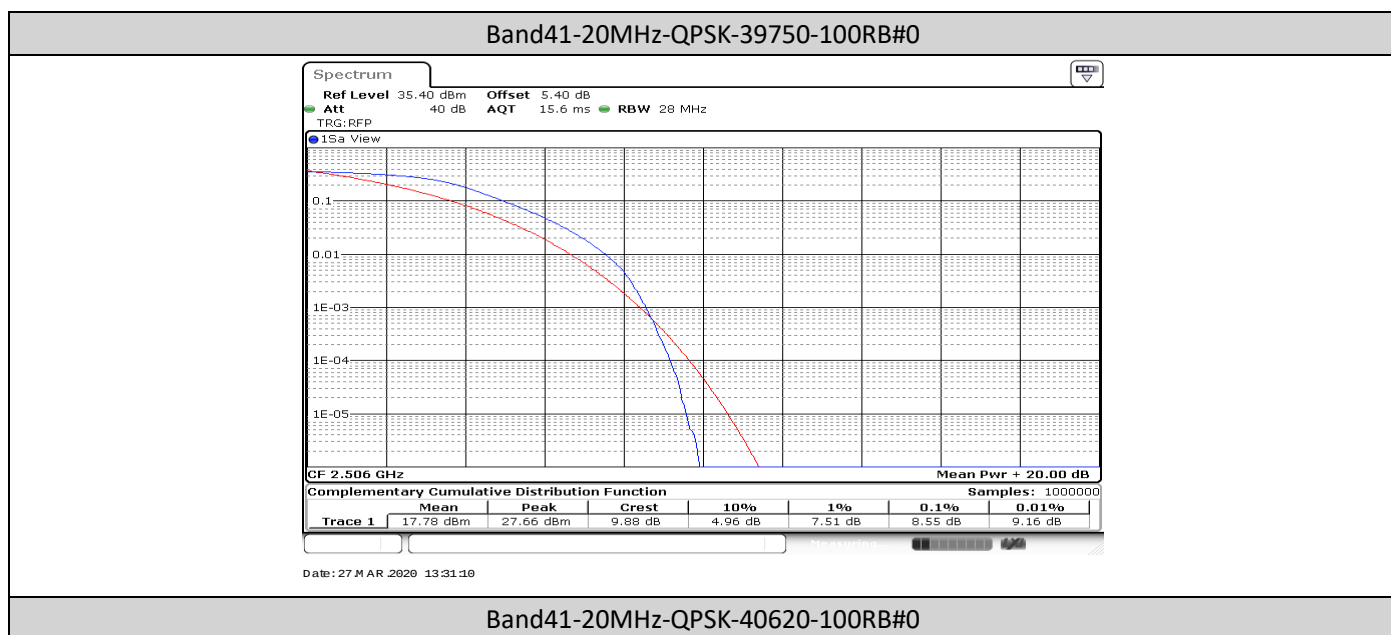


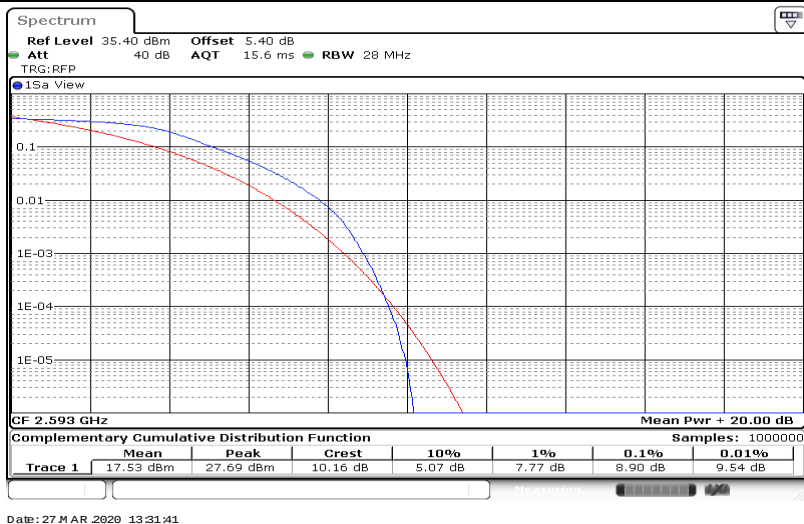
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

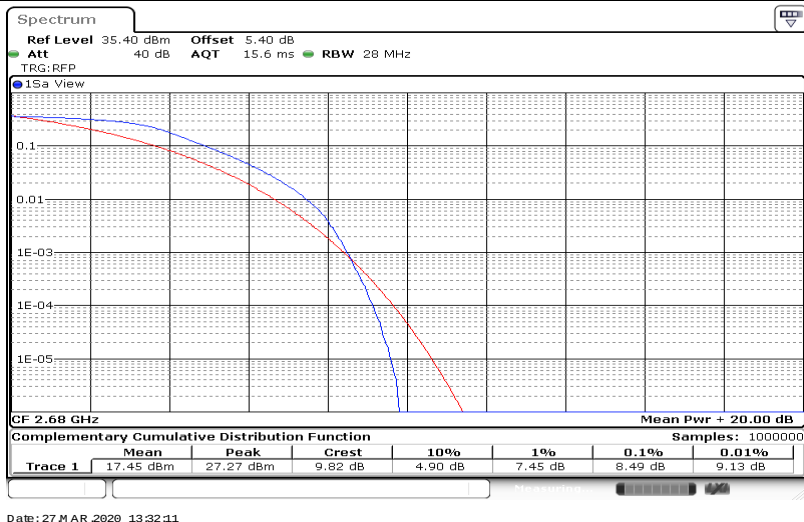
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	8.55	13.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.90	13.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.49	13.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.97	13.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.86	13.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.68	13.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.36	13.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.68	13.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.28	13.00	PASS

2.2. Test Plots





Band41-20MHz-QPSK-41490-100RB#0

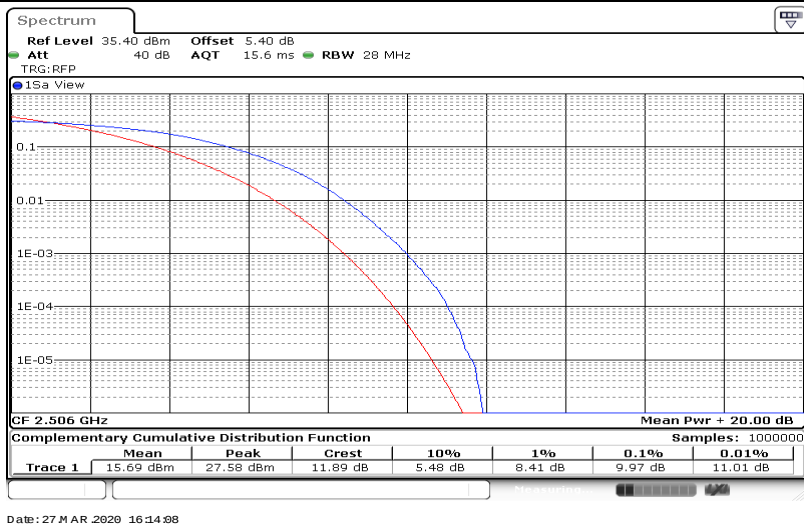


Band41-20MHz-64QAM-39750-100RB#0

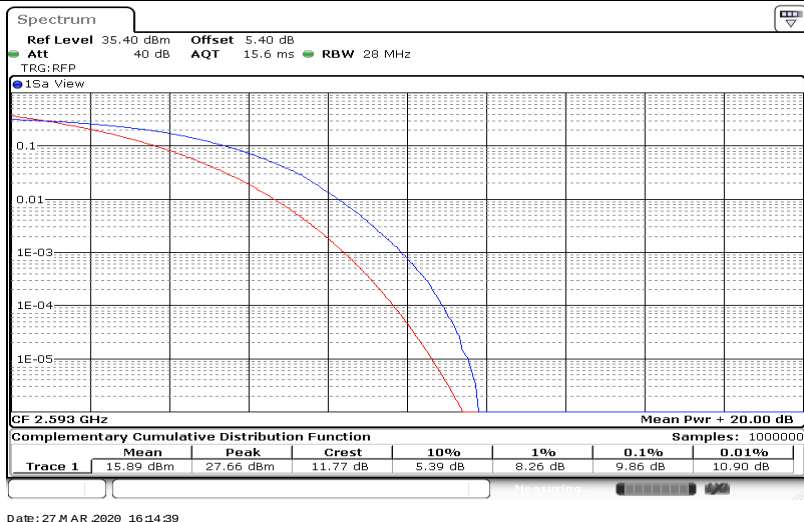


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

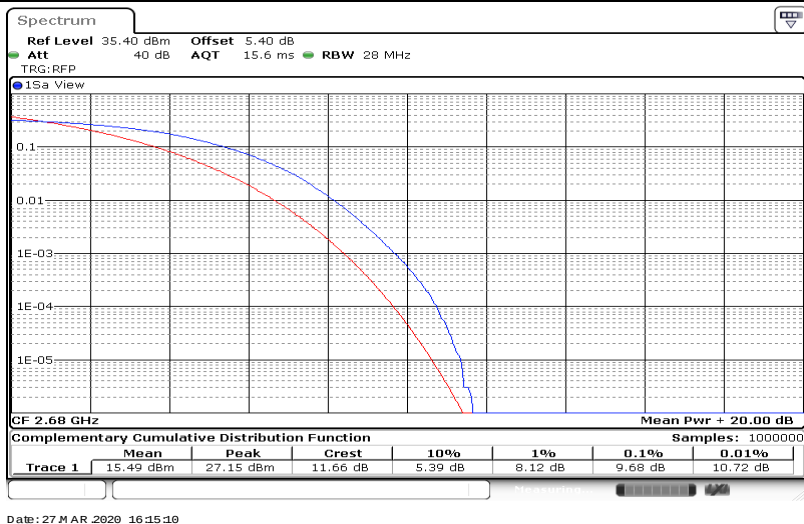


Band41-20MHz-64QAM-40620-100RB#0

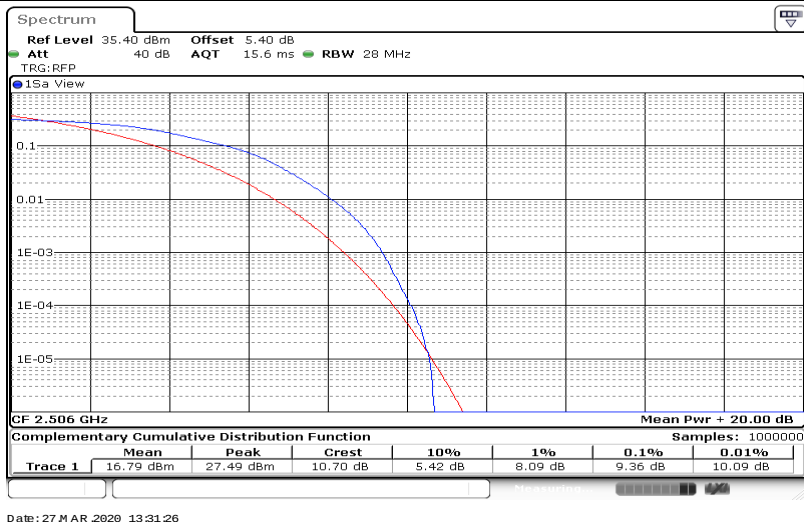


Band41-20MHz-64QAM-41490-100RB#0





Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-40620-100RB#0





Band41-20MHz-16QAM-41490-100RB#0

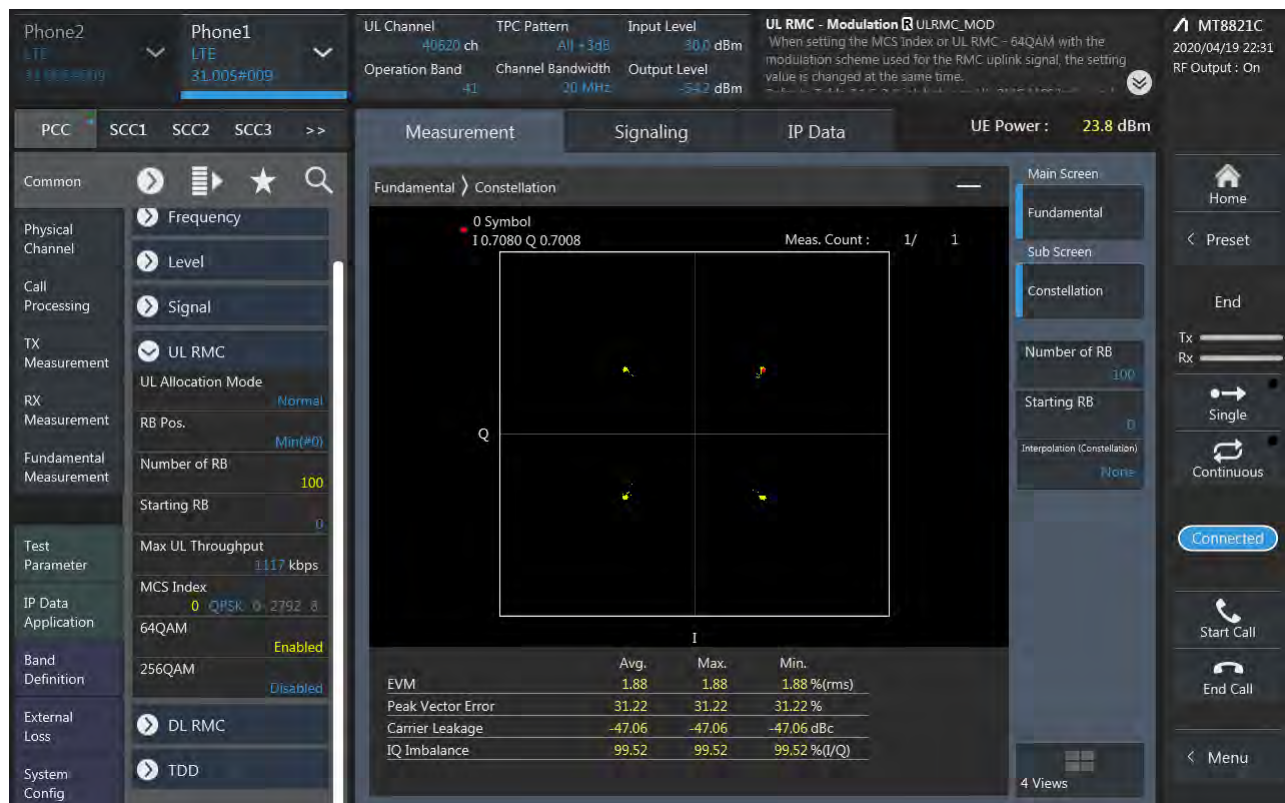




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

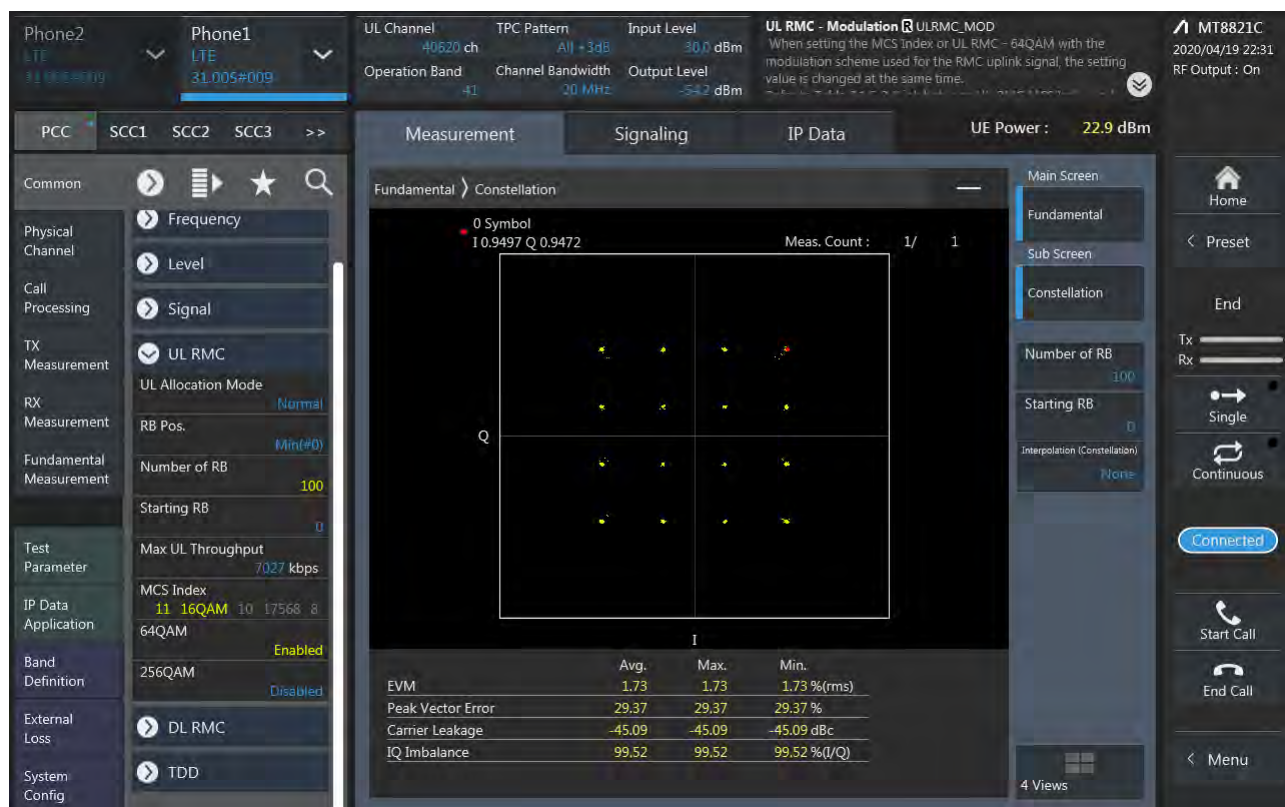
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

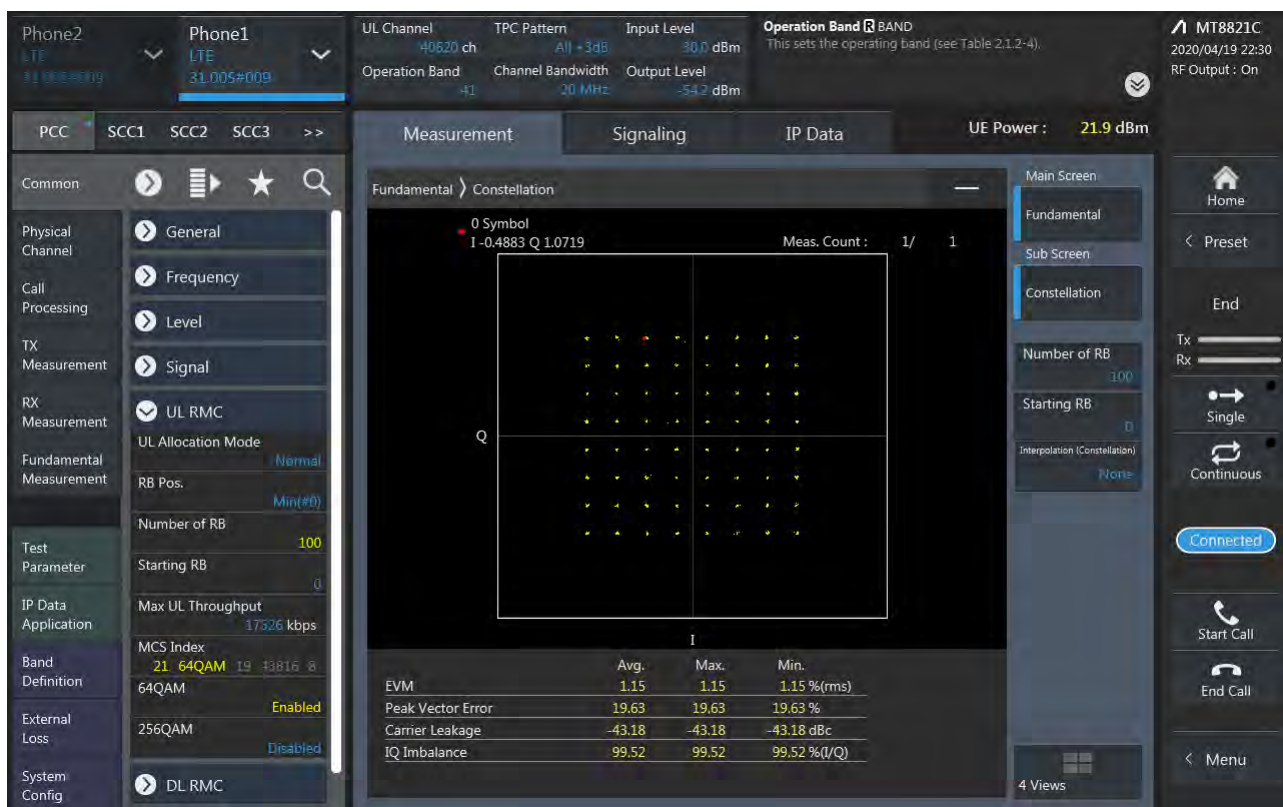
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.466	4.890	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.466	4.880	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	4.890	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.456	4.890	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.476	4.910	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.476	4.920	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.466	4.890	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	4.900	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.456	4.900	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.931	9.800	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.931	9.760	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.931	9.760	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.931	9.700	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.911	9.760	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.951	9.800	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.951	9.740	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.951	9.740	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.516	14.970	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.516	15.000	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.516	14.970	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.487	15.000	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.487	14.940	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.487	15.060	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.487	14.970	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.516	15.000	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.487	15.000	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.902	19.760	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.902	19.640	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.862	19.760	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.942	19.640	PASS



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

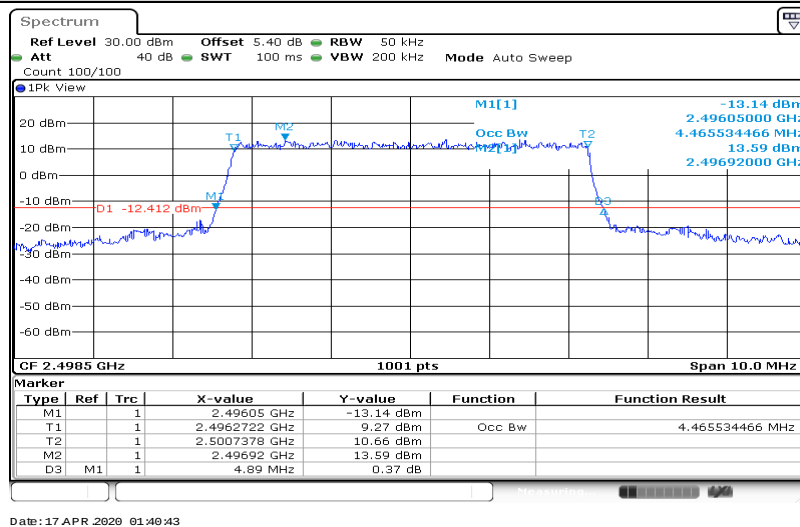
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



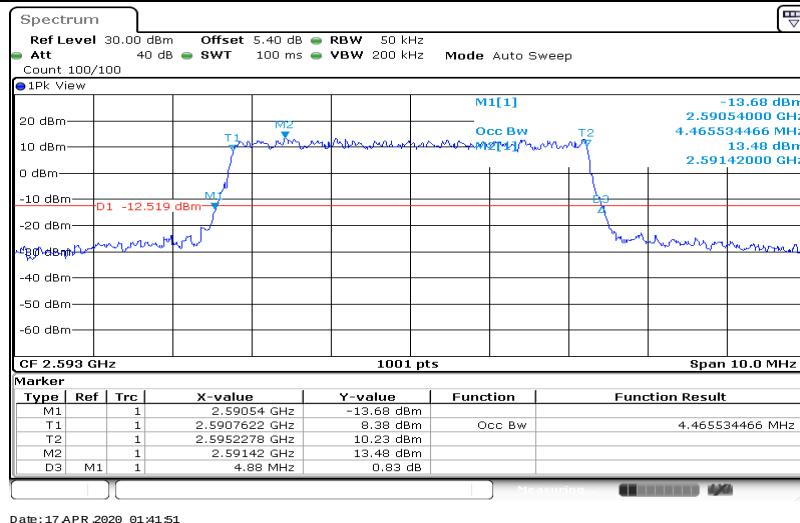
Band41	20MHz	64QAM	40620	100RB#0	17.902	19.760	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.862	19.720	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.982	19.600	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.982	19.560	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.942	19.640	PASS

4.2. Test Plots

Band41-5MHz-QPSK-39675-25RB#0-4.466

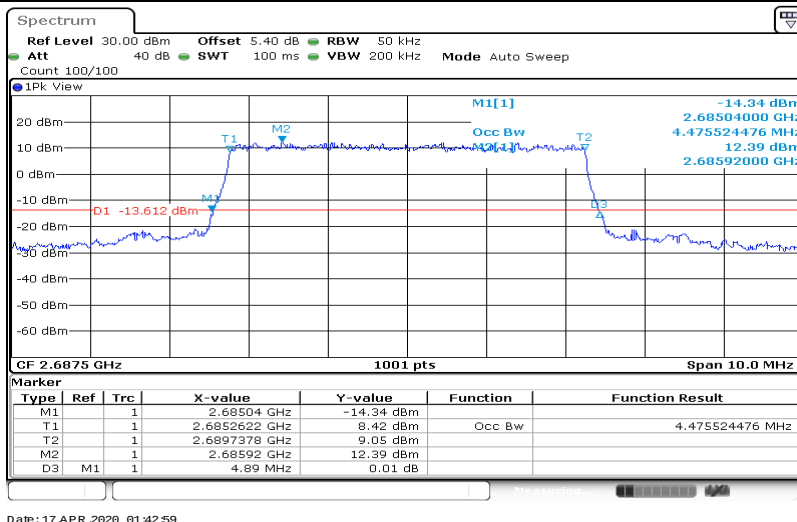


Band41-5MHz-QPSK-40620-25RB#0-4.466

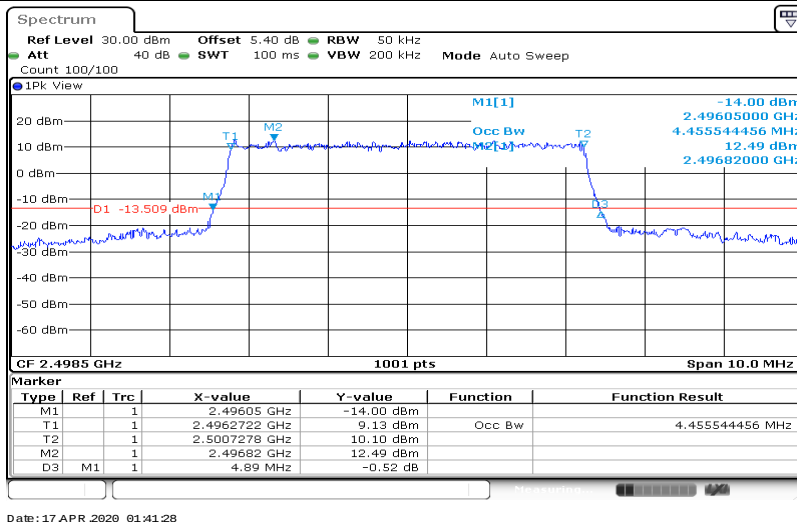


Band41-5MHz-QPSK-41565-25RB#0-4.476



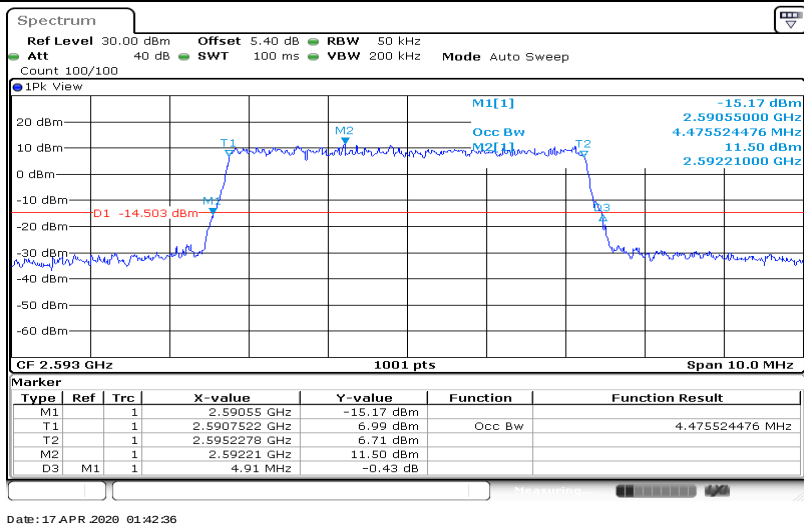


Band41-5MHz-64QAM-39675-25RB#0-4.456

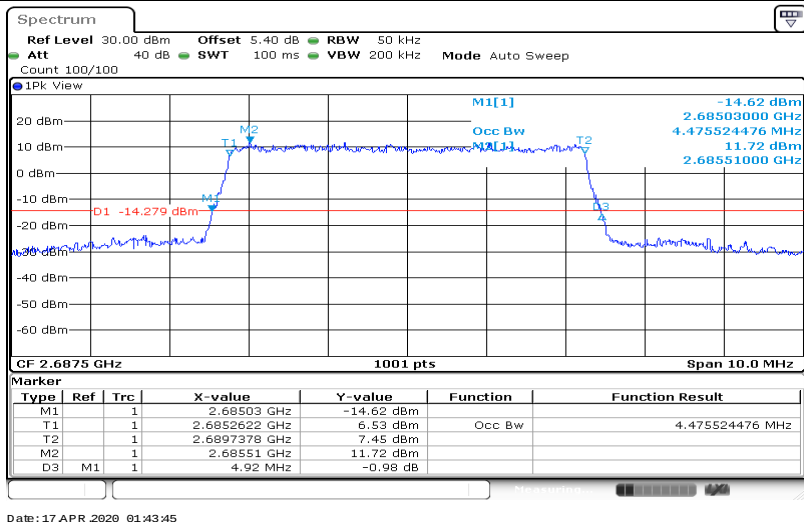


Band41-5MHz-64QAM-40620-25RB#0-4.476



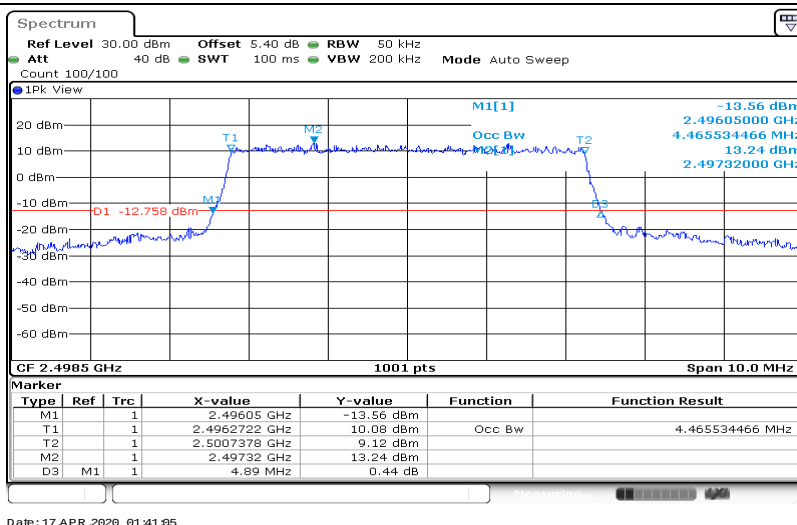


Band41-5MHz-64QAM-41565-25RB#0-4.476

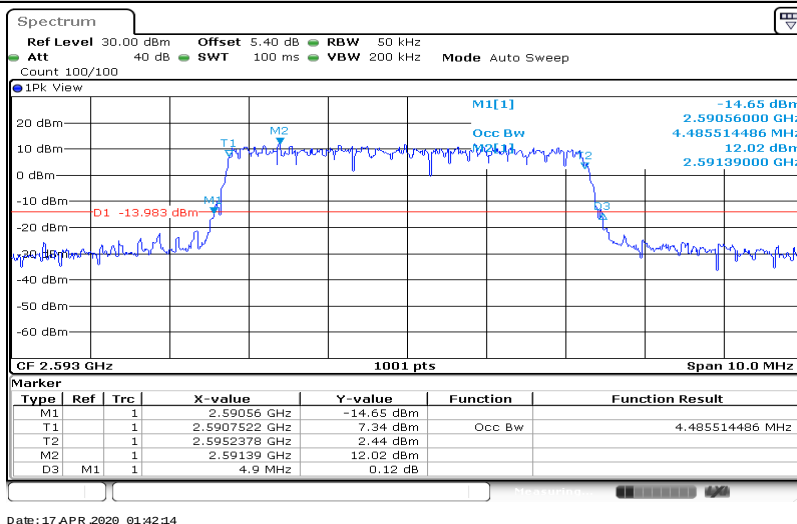


Band41-5MHz-16QAM-39675-25RB#0-4.466



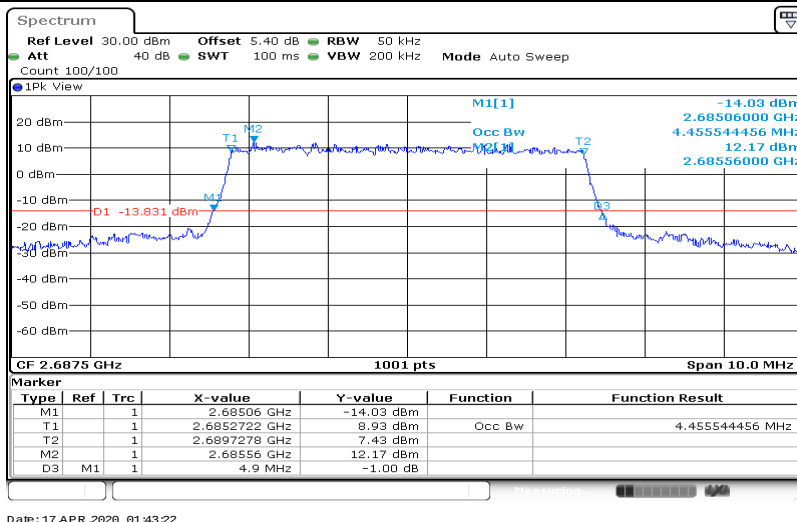


Band41-5MHz-16QAM-40620-25RB#0-4.486

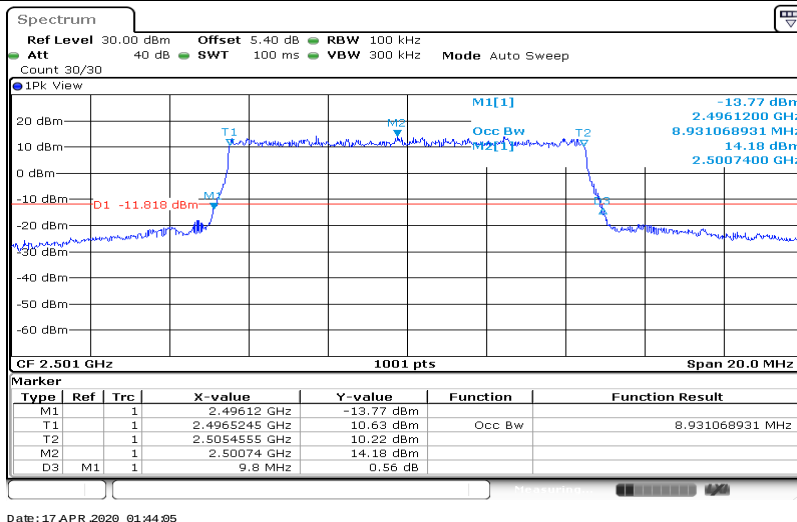


Band41-5MHz-16QAM-41565-25RB#0-4.456



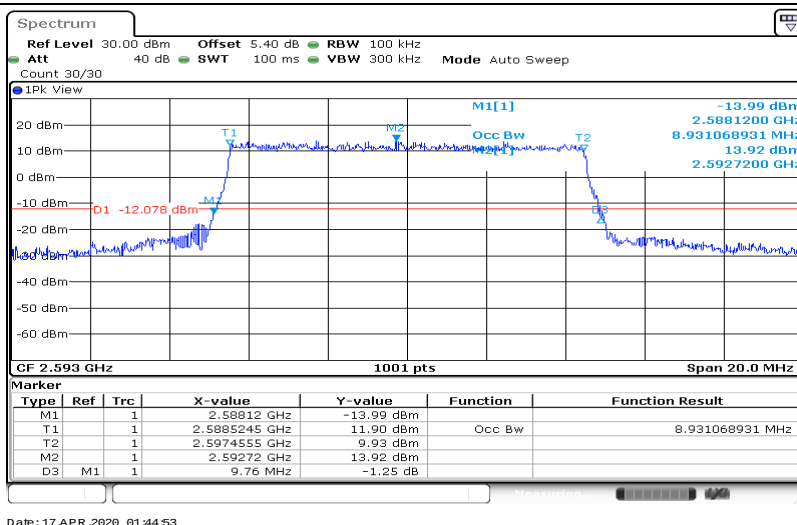


Band41-10MHz-QPSK-39700-50RB#0-8.931

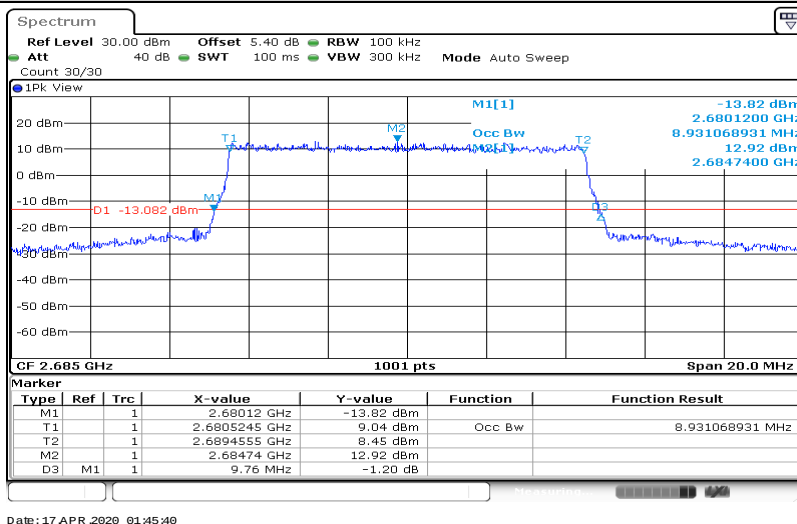


Band41-10MHz-QPSK-40620-50RB#0-8.931



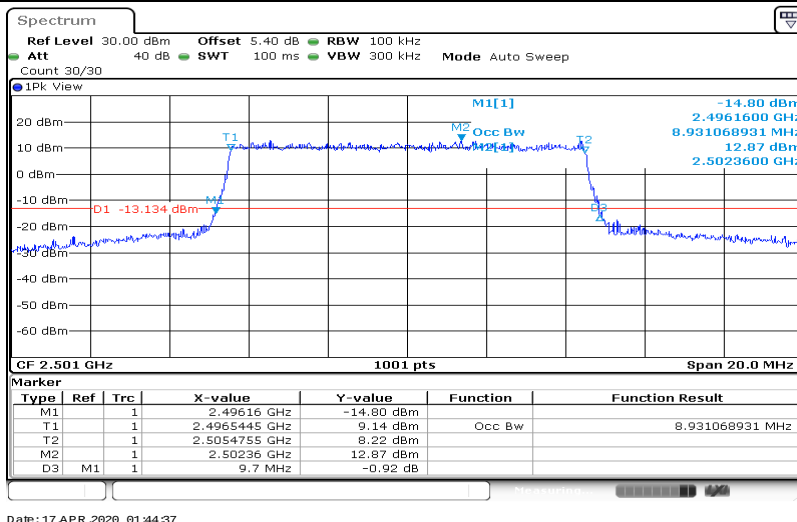


Band41-10MHz-QPSK-41540-50RB#0-8.931

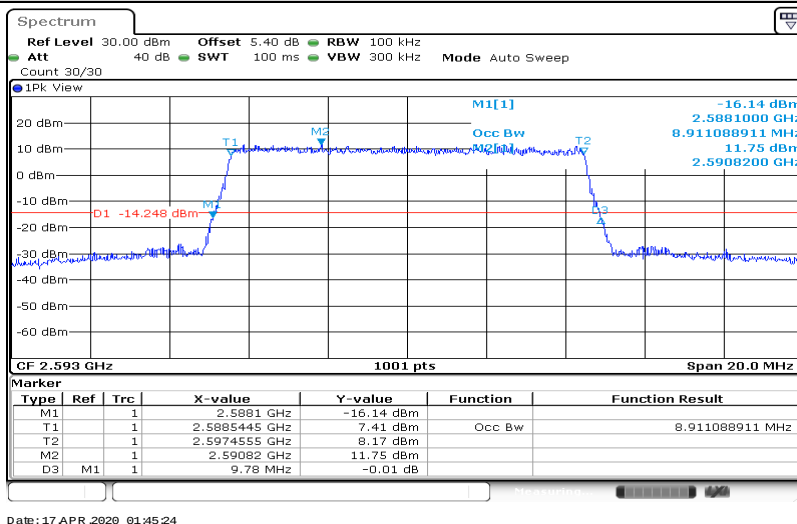


Band41-10MHz-64QAM-39700-50RB#0-8.931





Band41-10MHz-64QAM-40620-50RB#0-8.911

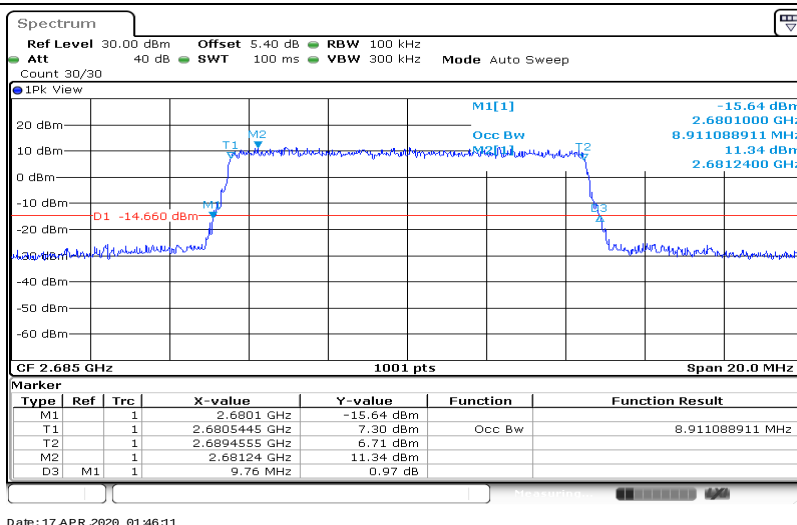


Band41-10MHz-64QAM-41540-50RB#0-8.911

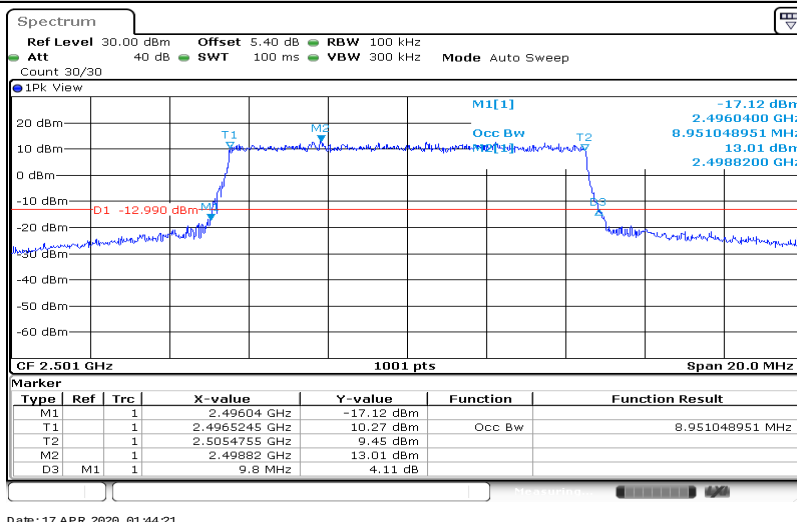


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

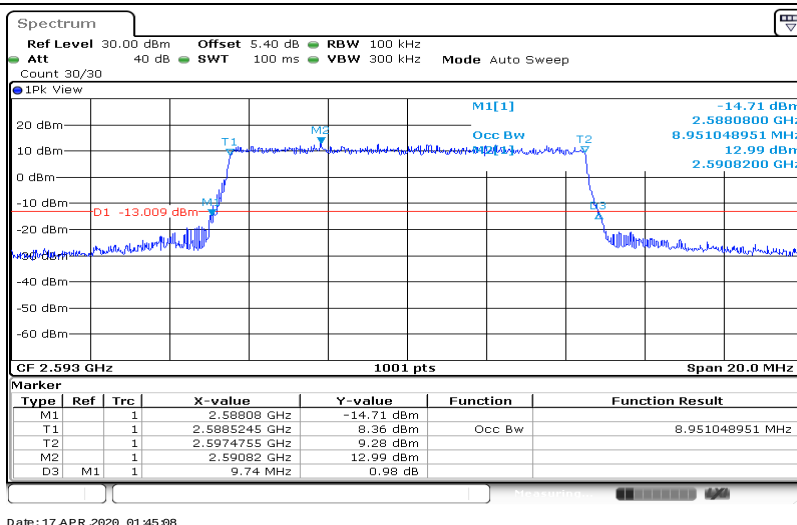


Band41-10MHz-16QAM-39700-50RB#0-8.951

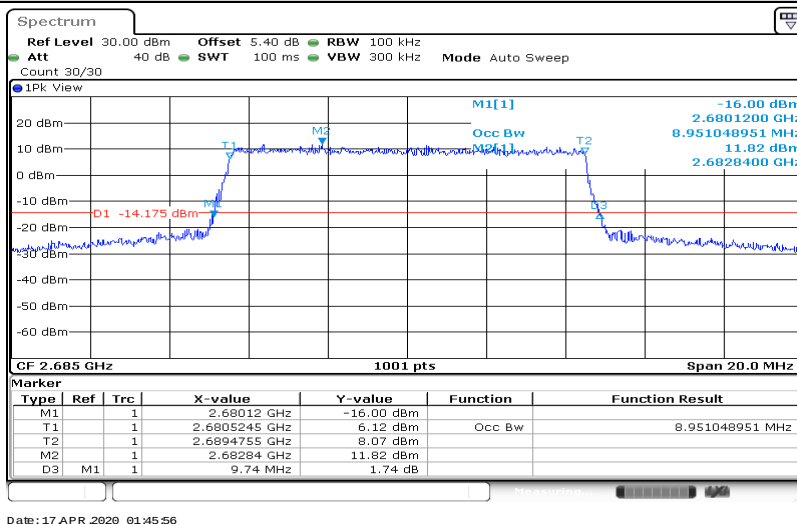


Band41-10MHz-16QAM-40620-50RB#0-8.951





Band41-10MHz-16QAM-41540-50RB#0-8.951

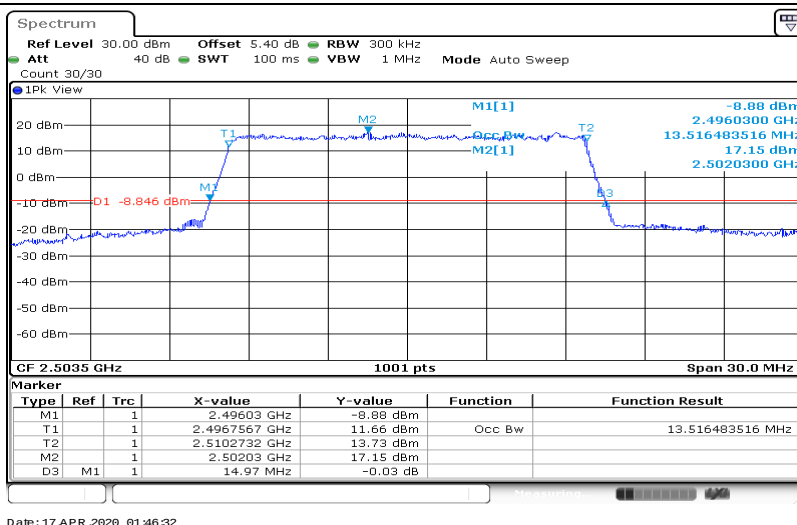


Band41-15MHz-QPSK-39725-75RB#0-13.516

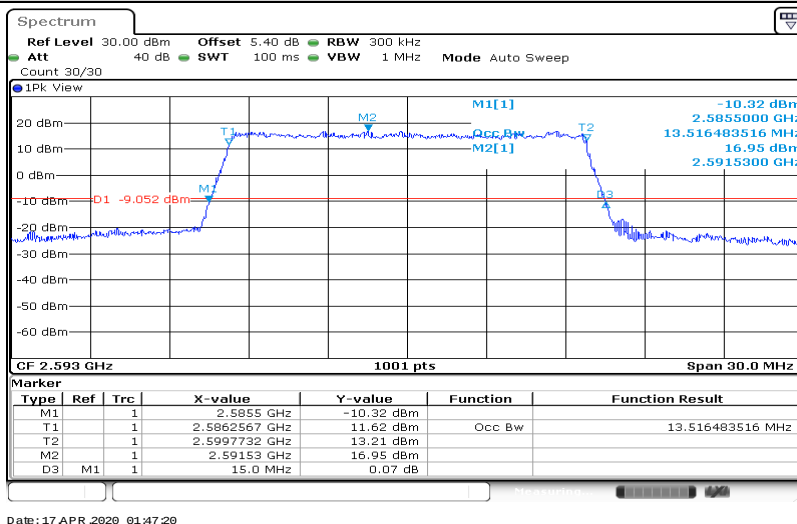


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

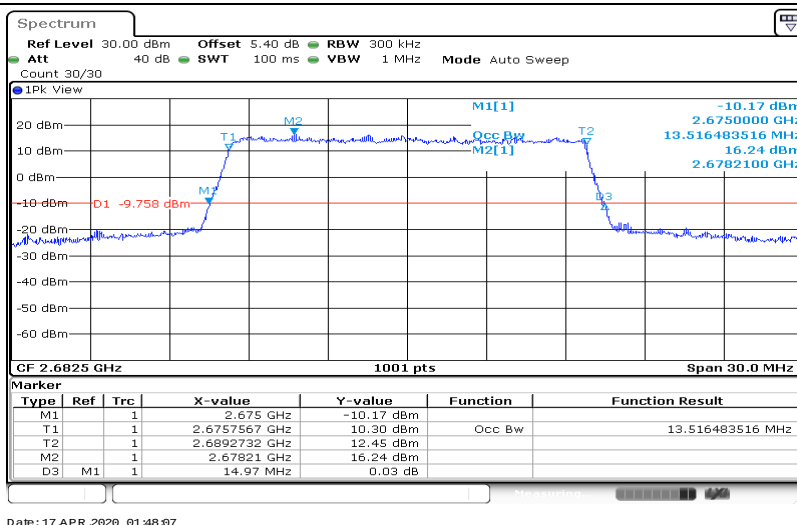


Band41-15MHz-QPSK-40620-75RB#0-13.516

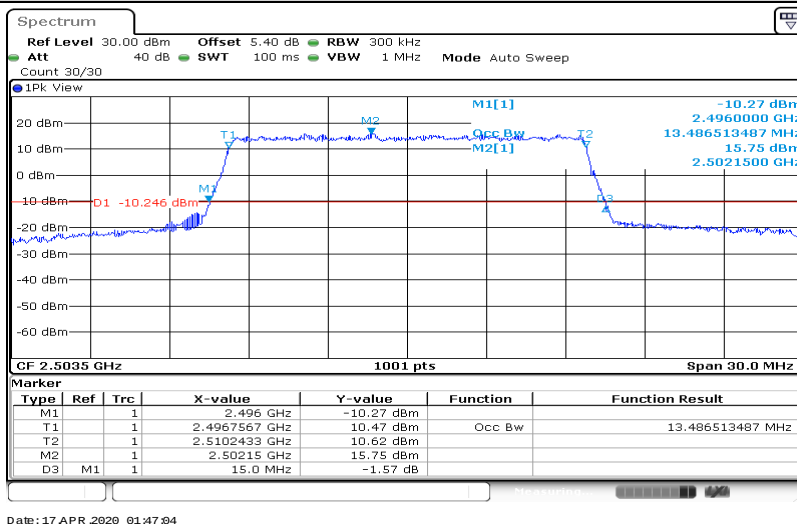


Band41-15MHz-QPSK-41515-75RB#0-13.516





Band41-15MHz-64QAM-39725-75RB#0-13.487

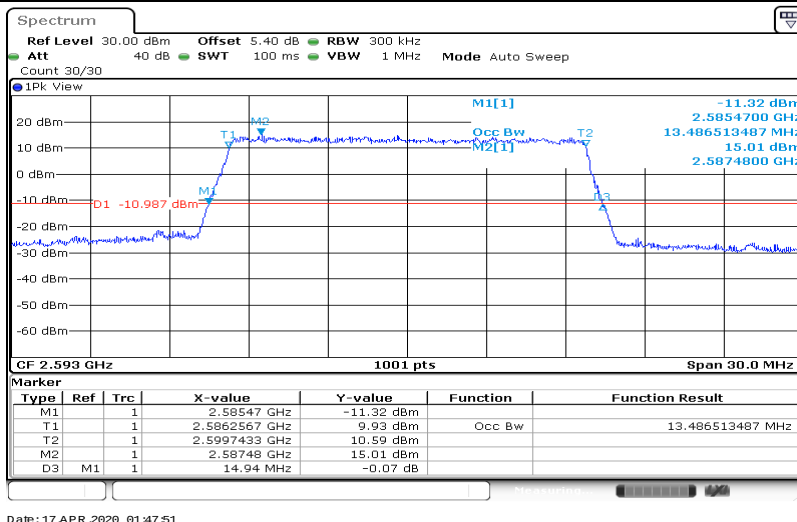


Band41-15MHz-64QAM-40620-75RB#0-13.487

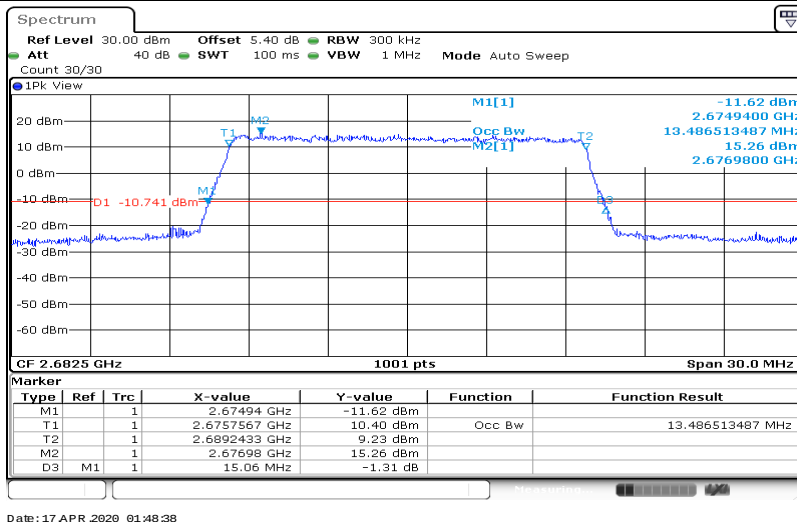


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

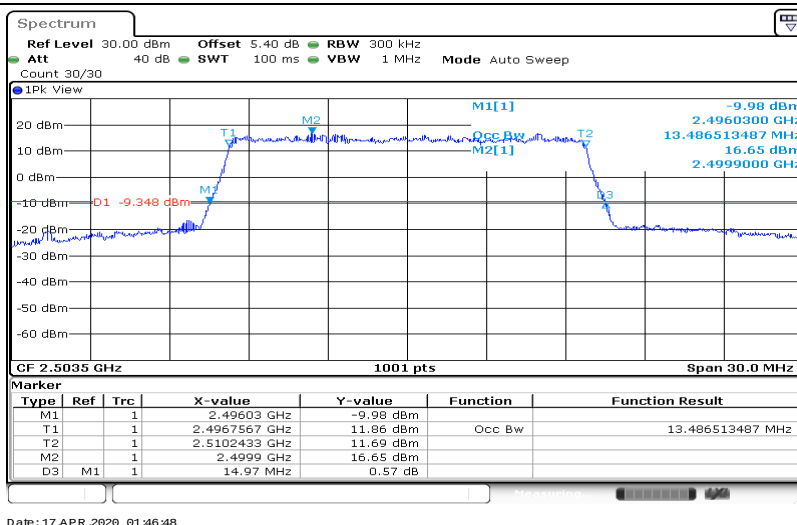


Band41-15MHz-64QAM-41515-75RB#0-13.487

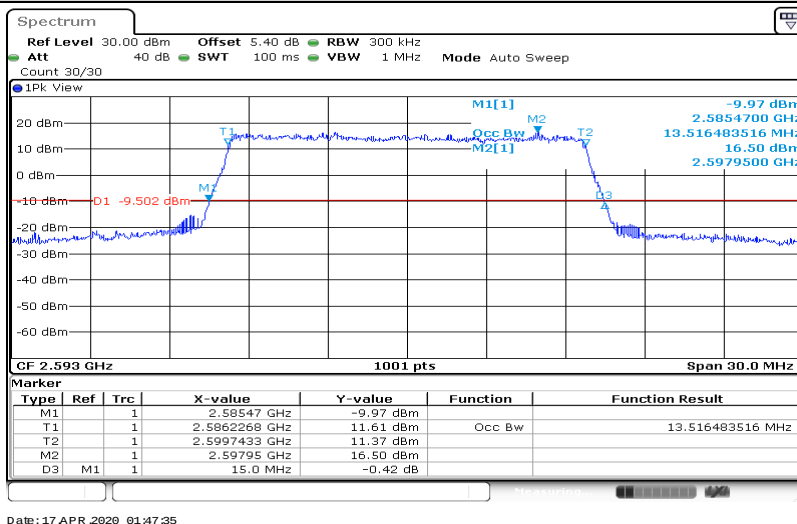


Band41-15MHz-16QAM-39725-75RB#0-13.487





Band41-15MHz-16QAM-40620-75RB#0-13.516

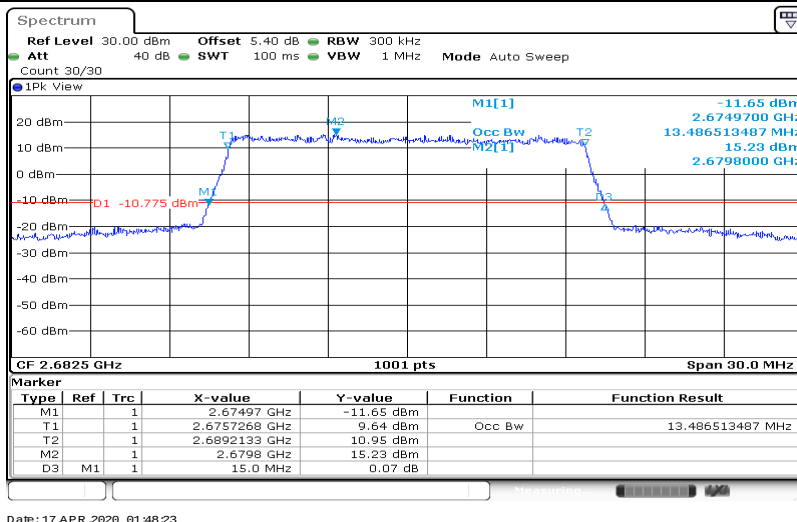


Band41-15MHz-16QAM-41515-75RB#0-13.487

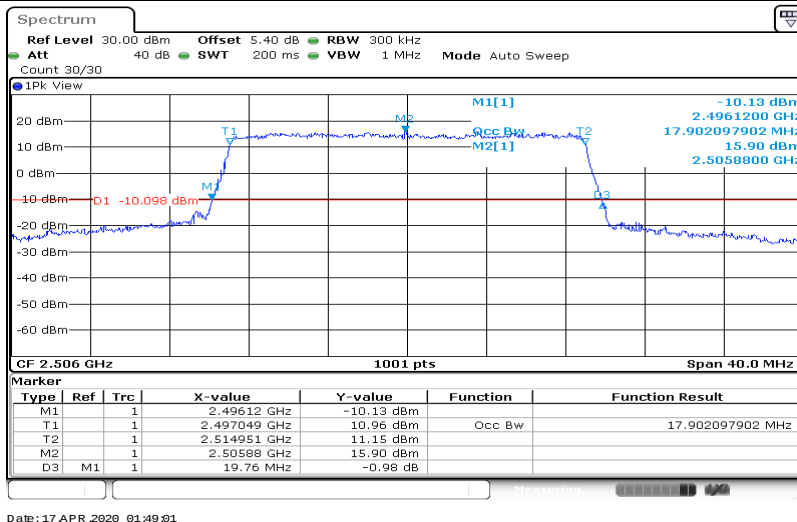


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

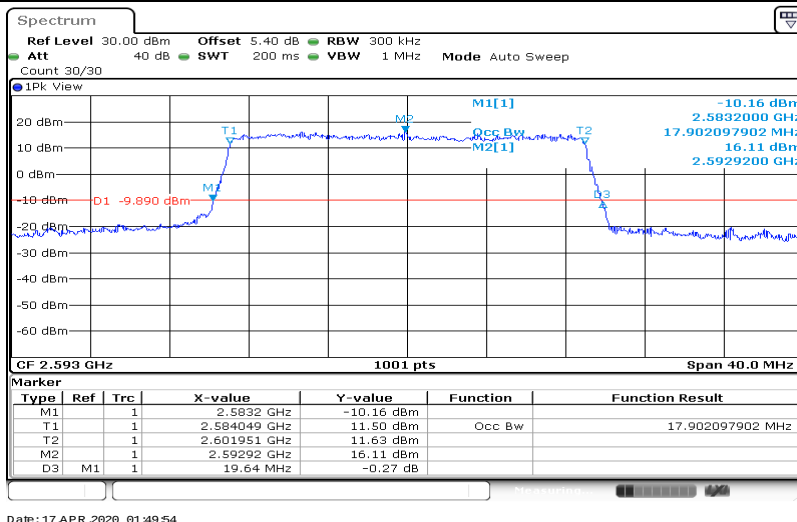


Band41-20MHz-QPSK-39750-100RB#0-17.902

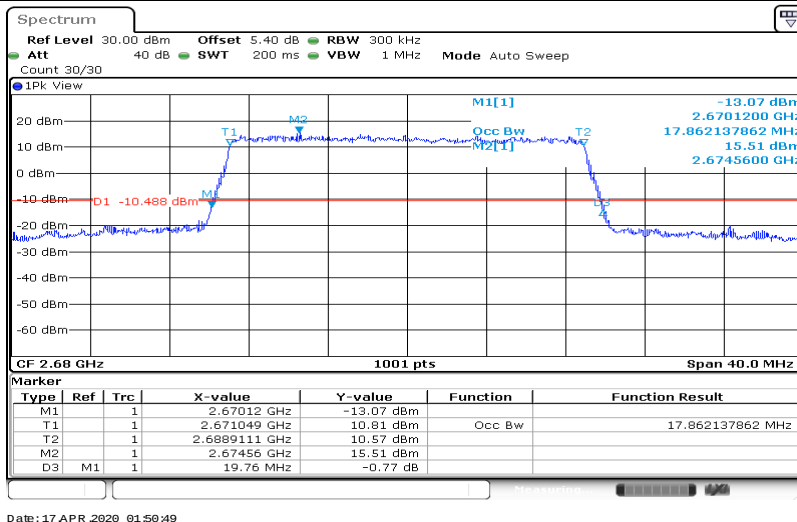


Band41-20MHz-QPSK-40620-100RB#0-17.902



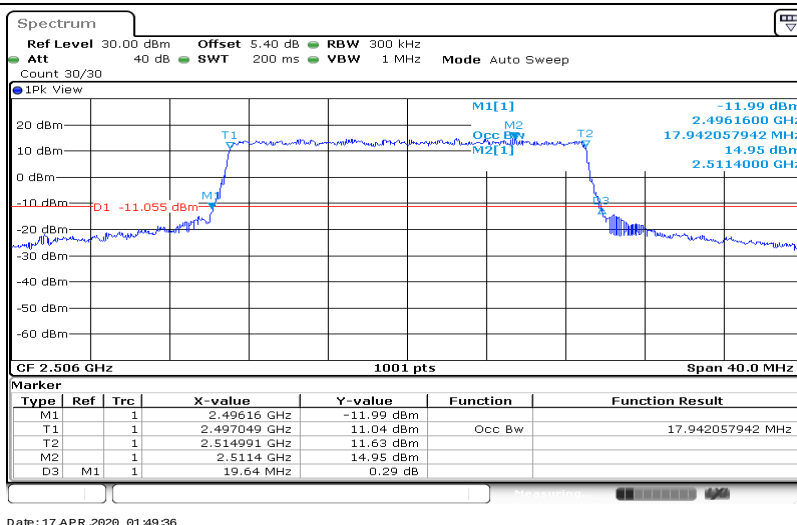


Band41-20MHz-QPSK-41490-100RB#0-17.862

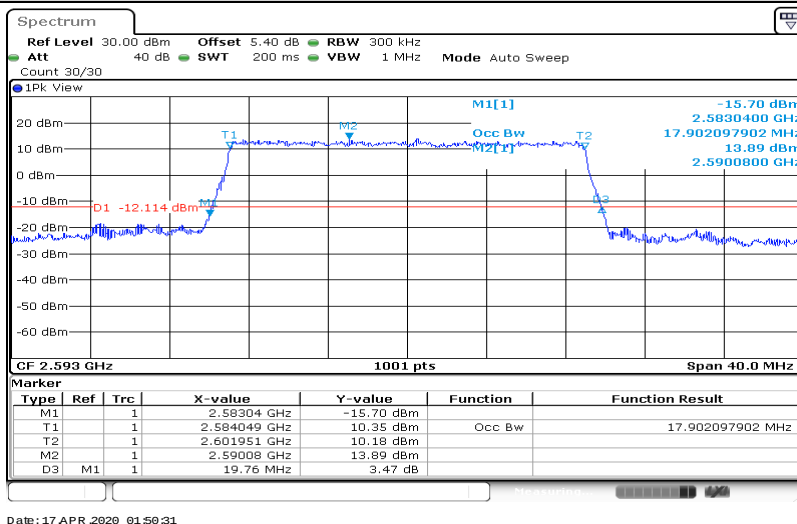


Band41-20MHz-64QAM-39750-100RB#0-17.942



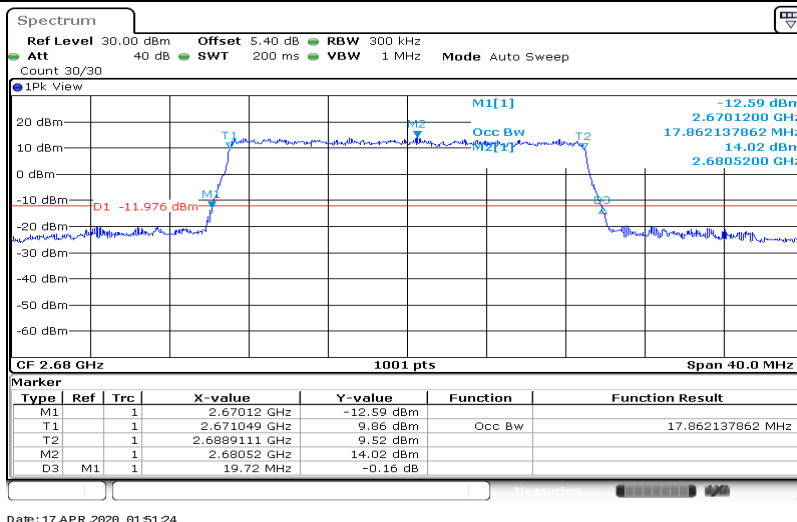


Band41-20MHz-64QAM-40620-100RB#0-17.902

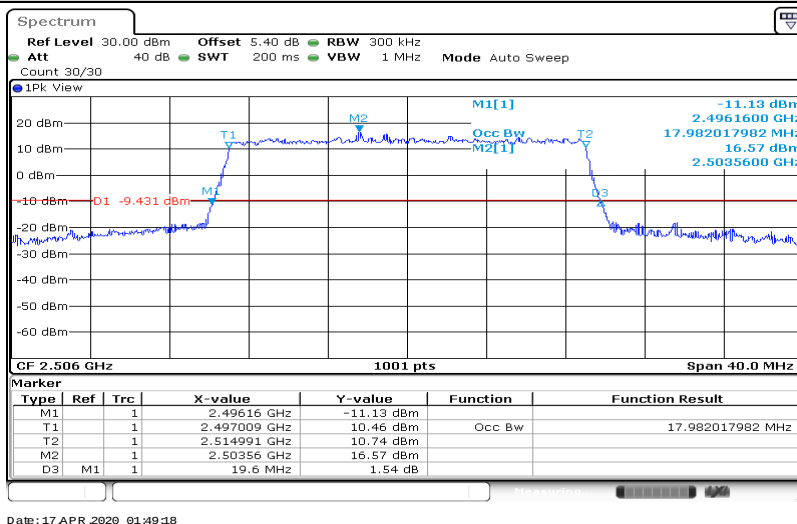


Band41-20MHz-64QAM-41490-100RB#0-17.862



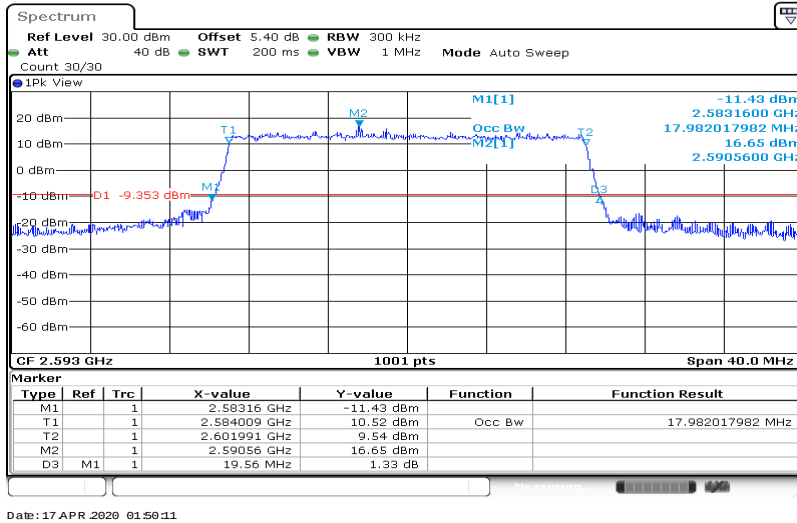


Band41-20MHz-16QAM-39750-100RB#0-17.982

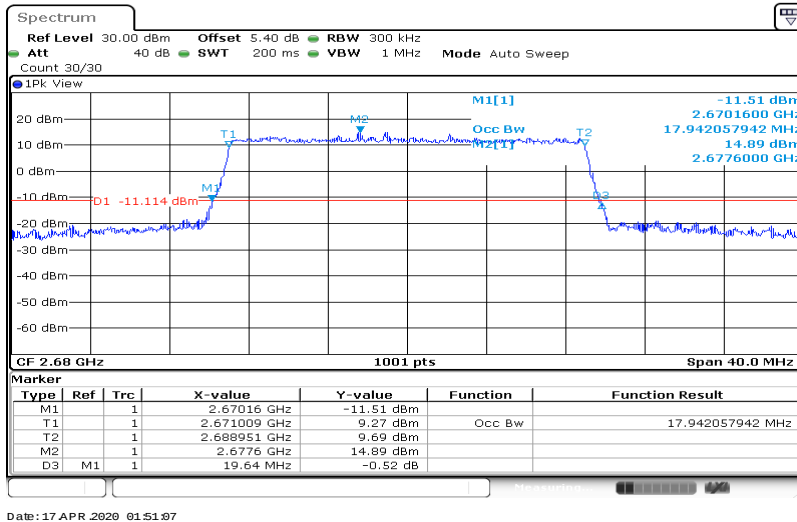


Band41-20MHz-16QAM-40620-100RB#0-17.982





Band41-20MHz-16QAM-41490-100RB#0-17.942



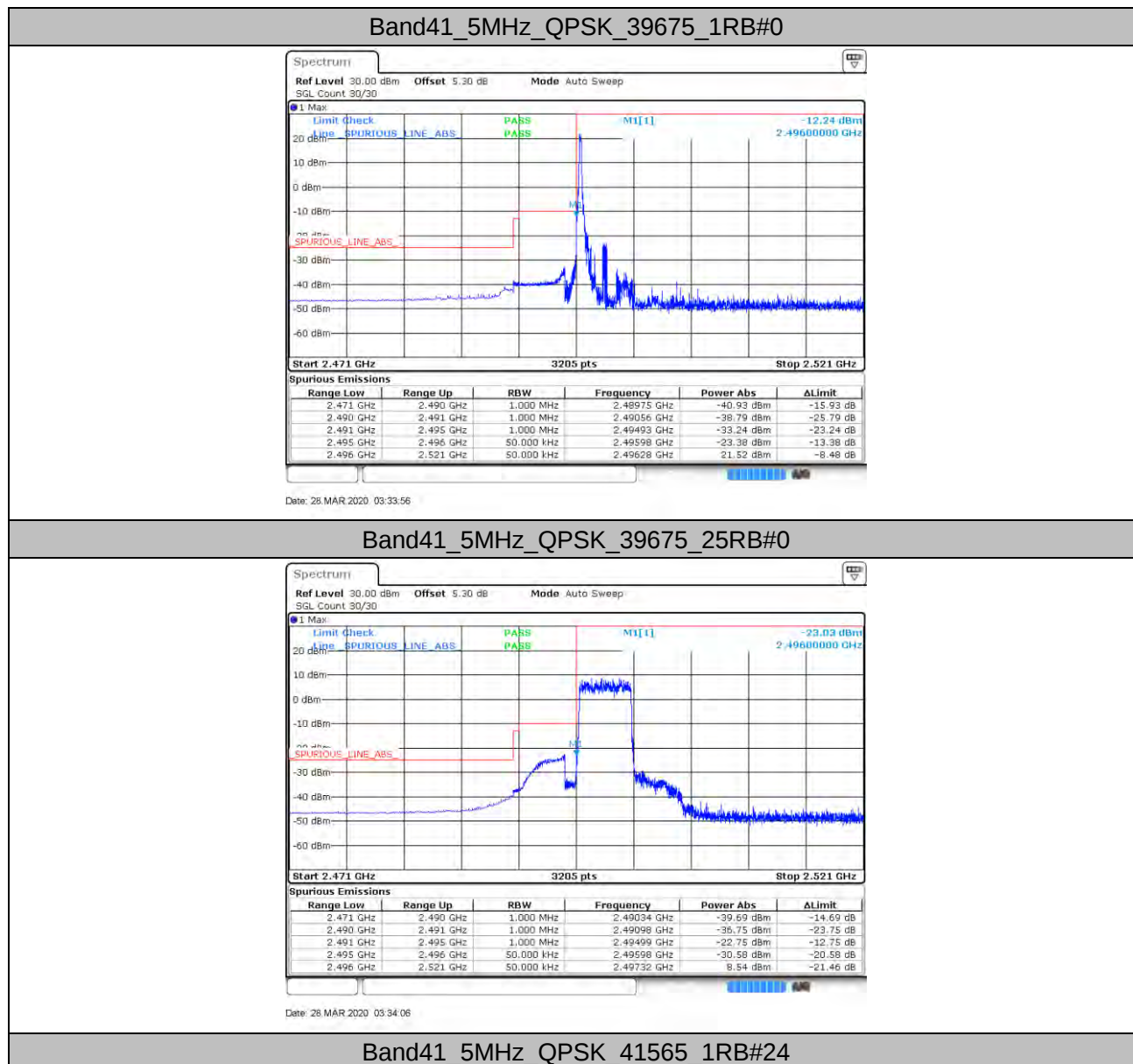
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



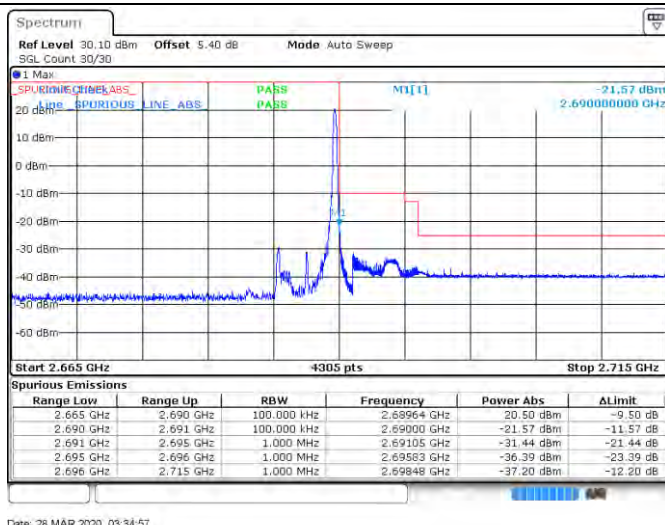
5. Band Edge Compliance

5.1. Test Plots

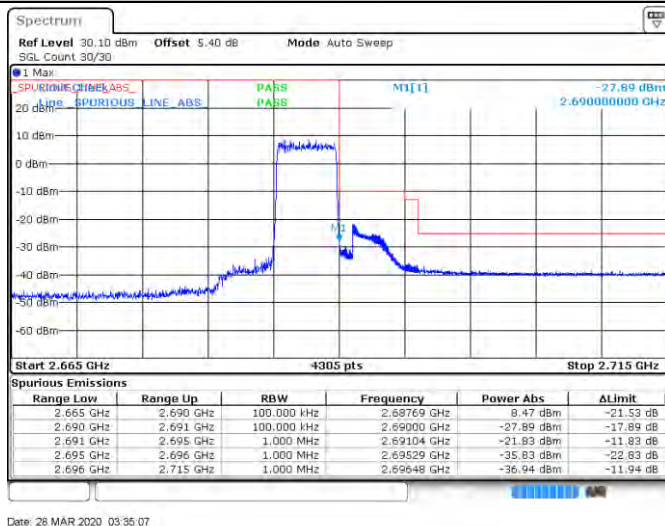


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

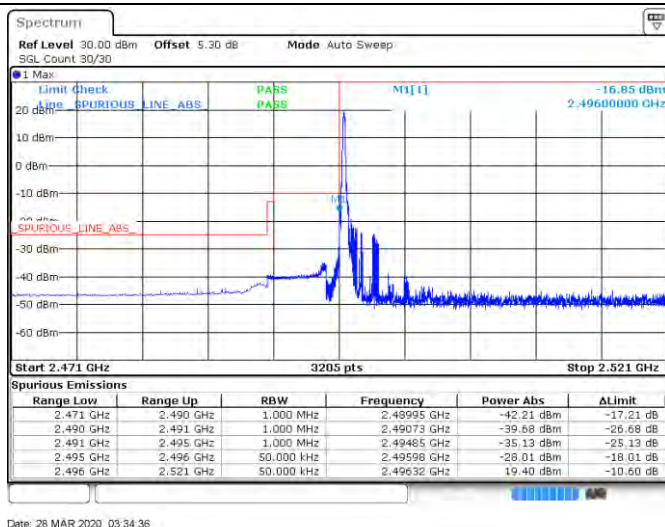


Band41_5MHz_QPSK_41565_25RB#0

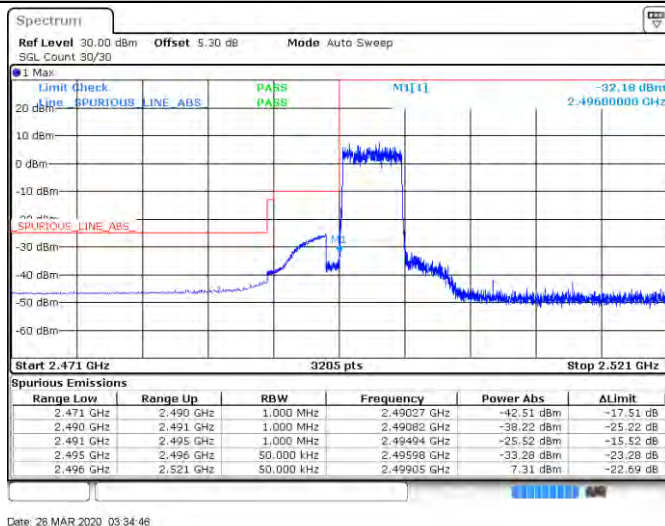


Band41_5MHz_64QAM_39675_1RB#0



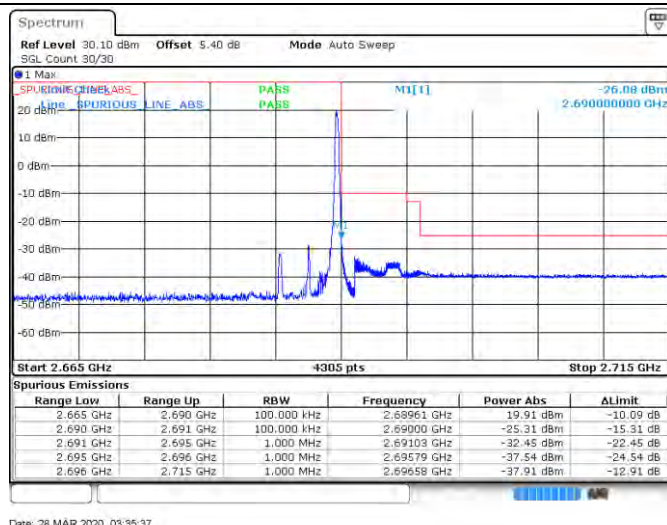


Band41_5MHz_64QAM_39675_25RB#0



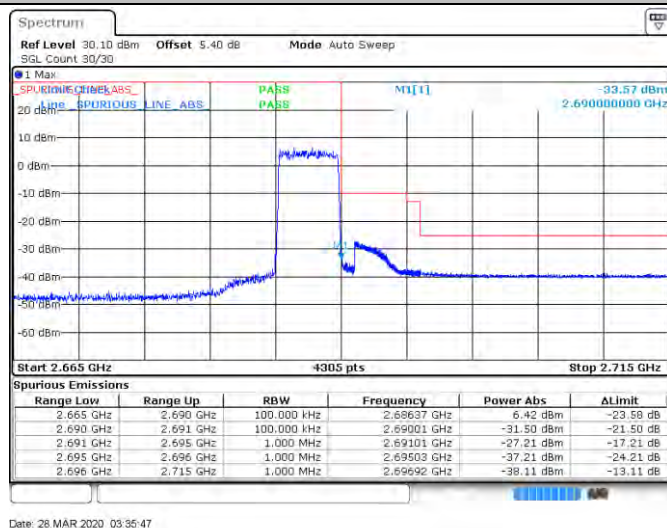
Band41_5MHz_64QAM_41565_1RB#24





Date: 28 MAR 2020 03:35:37

Band41_5MHz_64QAM_41565_25RB#0



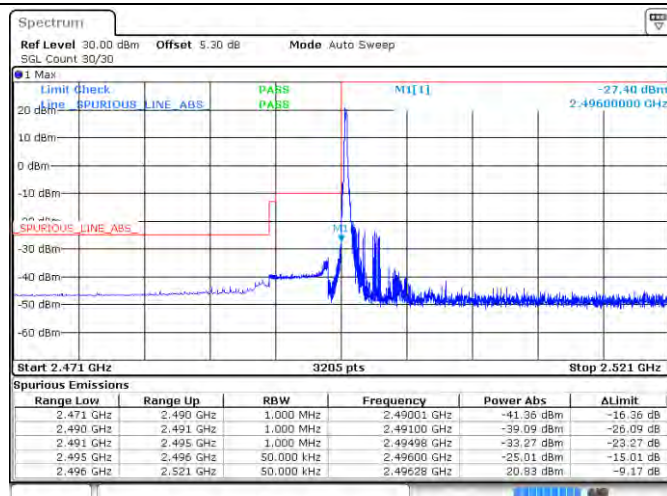
Date: 28 MAR 2020 03:35:47

Band41_5MHz_16QAM_39675_1RB#0

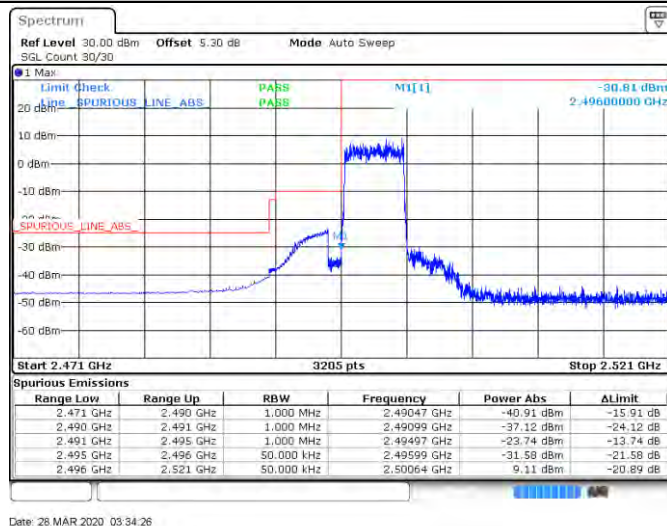


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

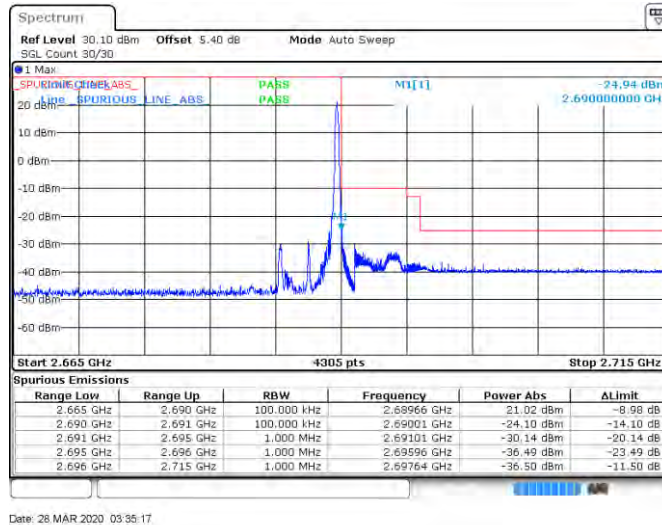


Band41_5MHz_16QAM_39675_25RB#0



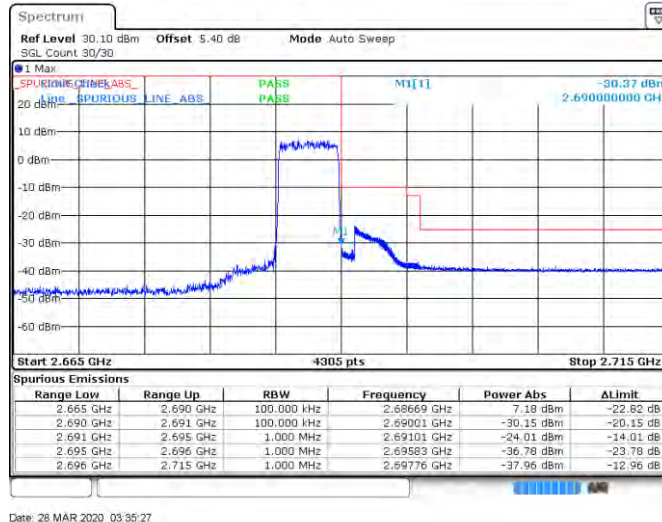
Band41_5MHz_16QAM_41565_1RB#24





Date: 28 MAR 2020 03:35:17

Band41_5MHz_16QAM_41565_25RB#0



Date: 28 MAR 2020 03:35:27

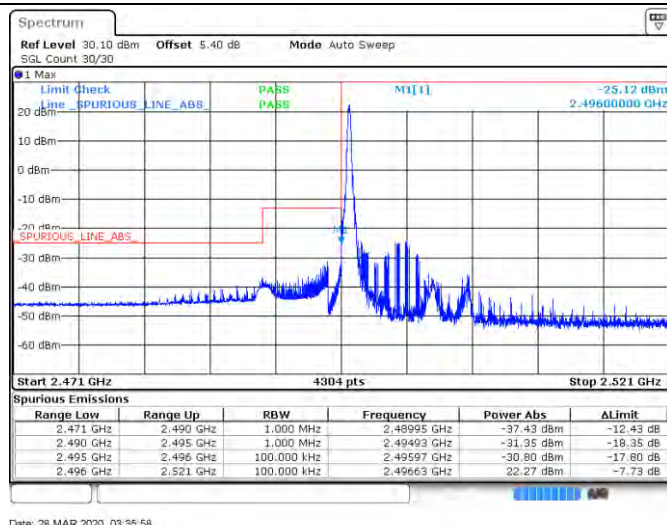
Band41_10MHz_QPSK_39700_1RB#0



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

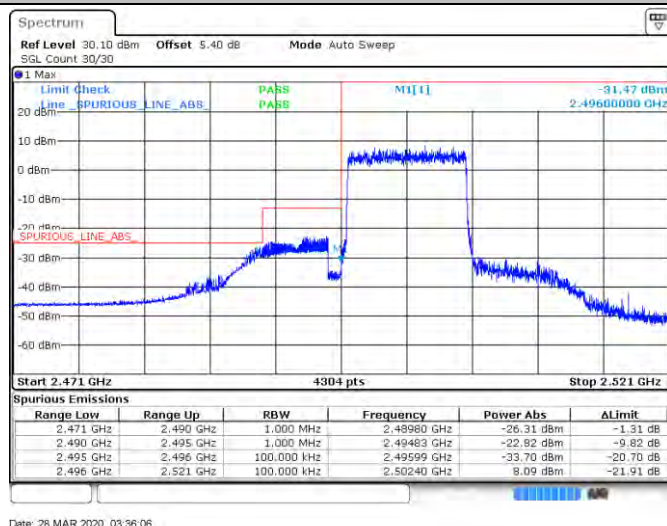
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 28 MAR 2020 03:35:58

Band41_10MHz_QPSK_39700_50RB#0



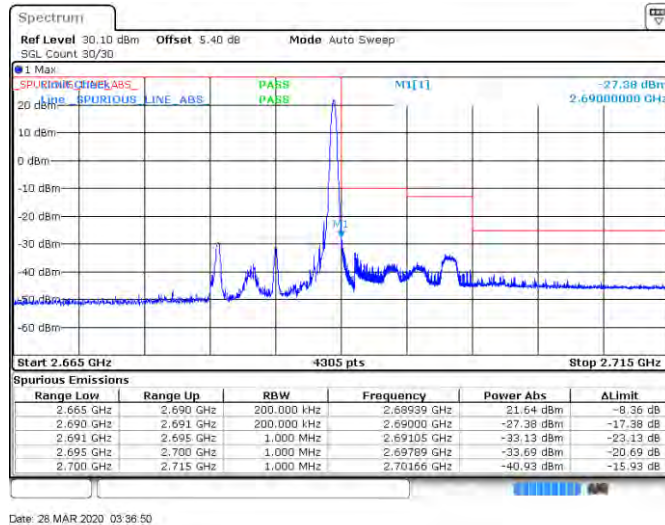
Date: 28 MAR 2020 03:36:06

Band41_10MHz_QPSK_41540_1RB#49

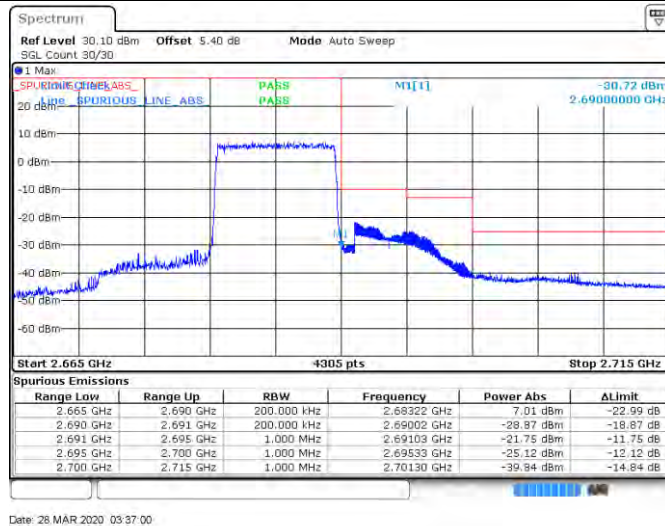


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

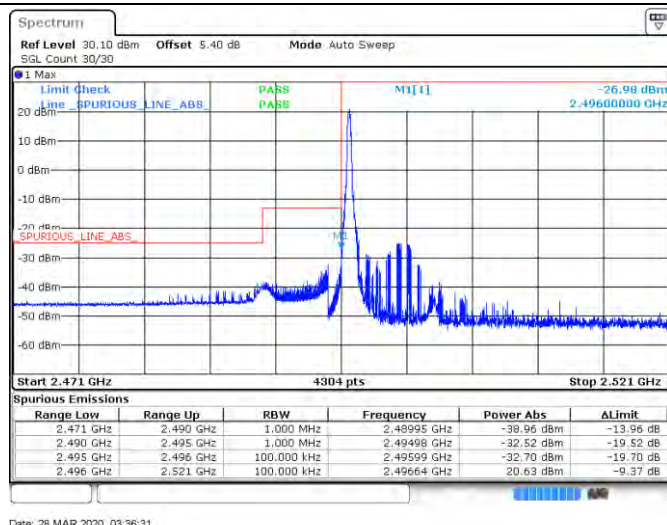


Band41_10MHz_QPSK_41540_50RB#0

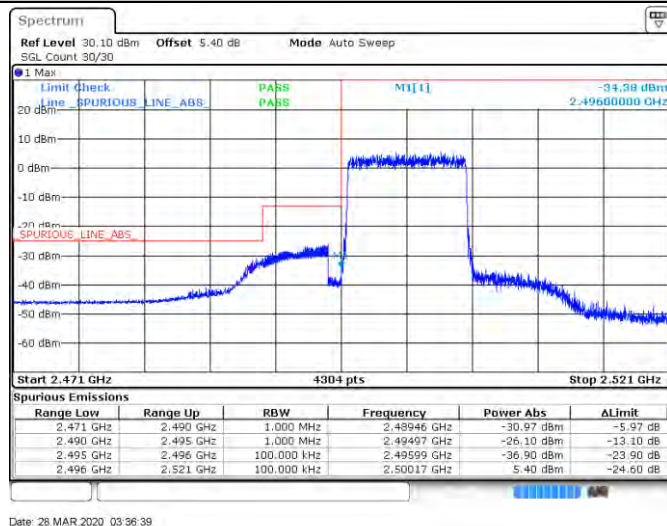


Band41_10MHz_64QAM_39700_1RB#0



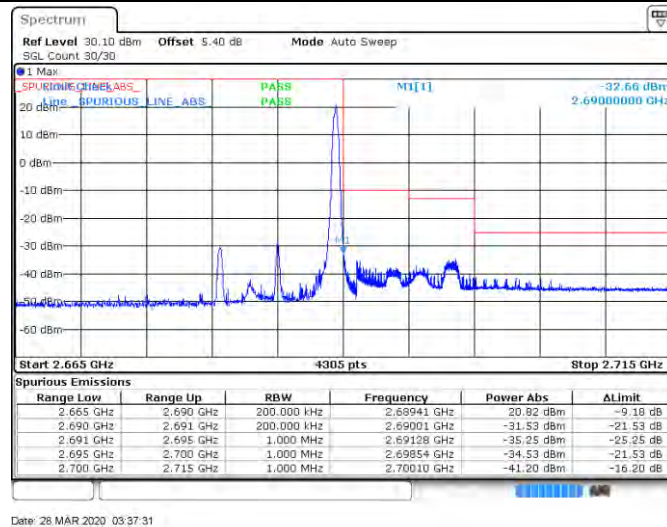


Band41_10MHz_64QAM_39700_50RB#0

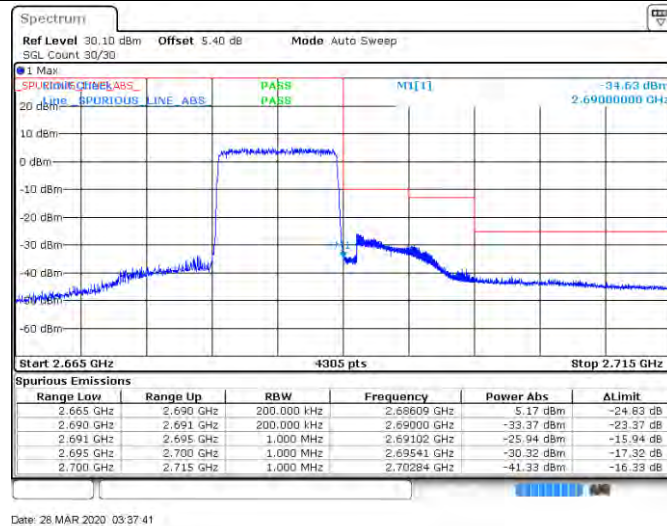


Band41_10MHz_64QAM_41540_1RB#49



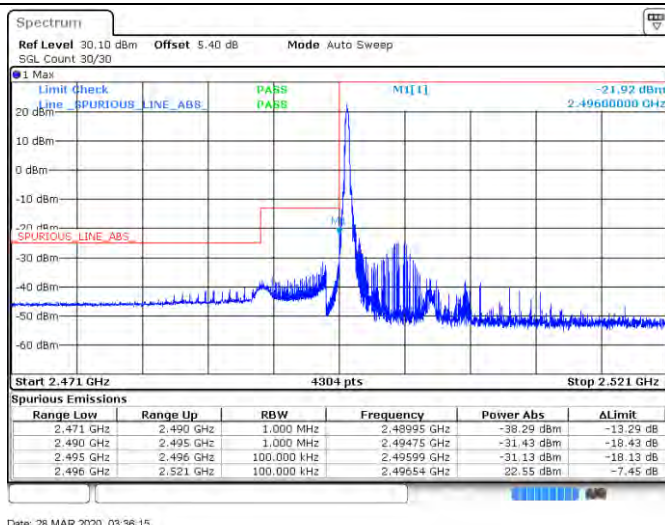


Band41_10MHz_64QAM_41540_50RB#0



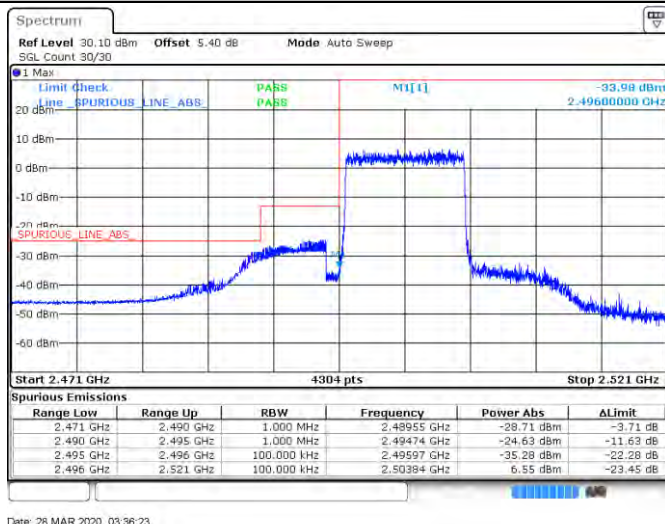
Band41_10MHz_16QAM_39700_1RB#0





Date: 28 MAR 2020 03:36:15

Band41_10MHz_16QAM_39700_50RB#0



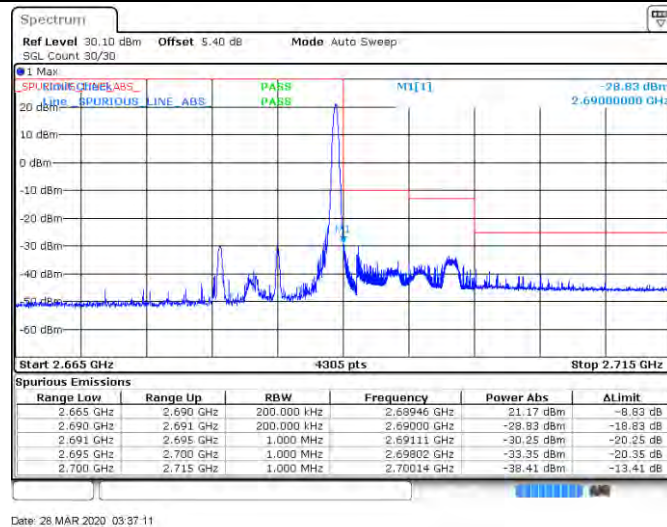
Date: 28 MAR 2020 03:36:23

Band41_10MHz_16QAM_41540_1RB#49

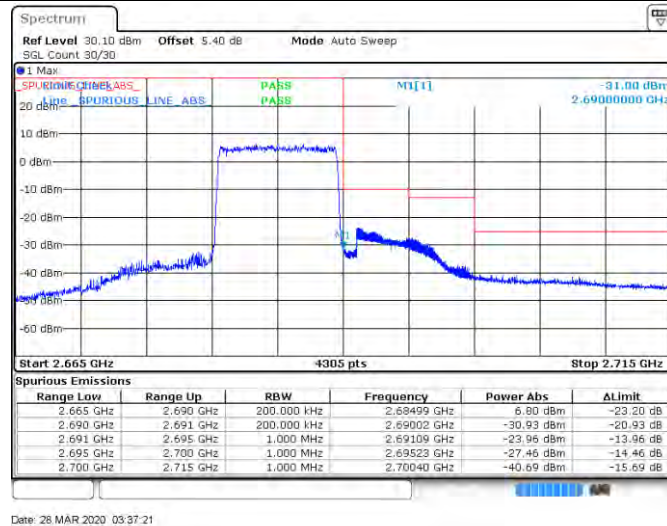


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

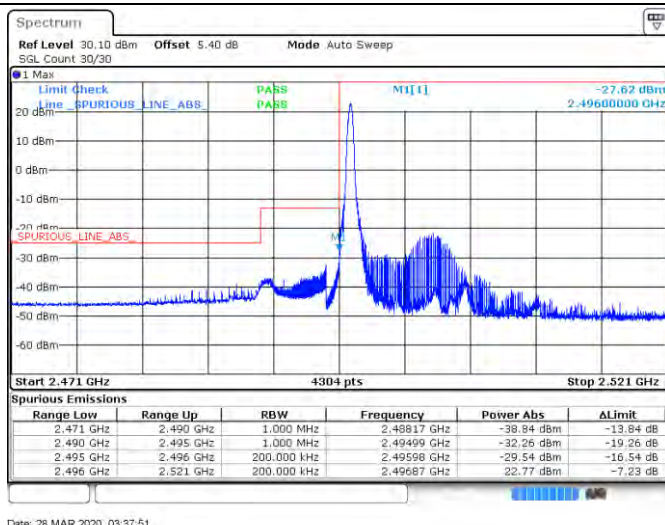


Band41_10MHz_16QAM_41540_50RB#0

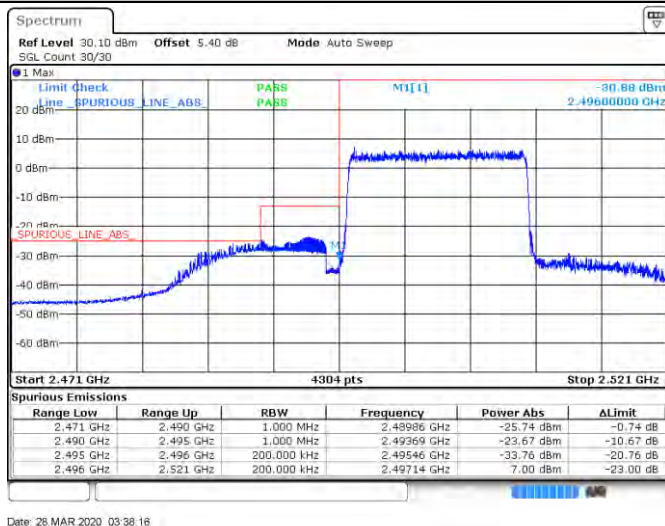


Band41_15MHz_QPSK_39725_1RB#0



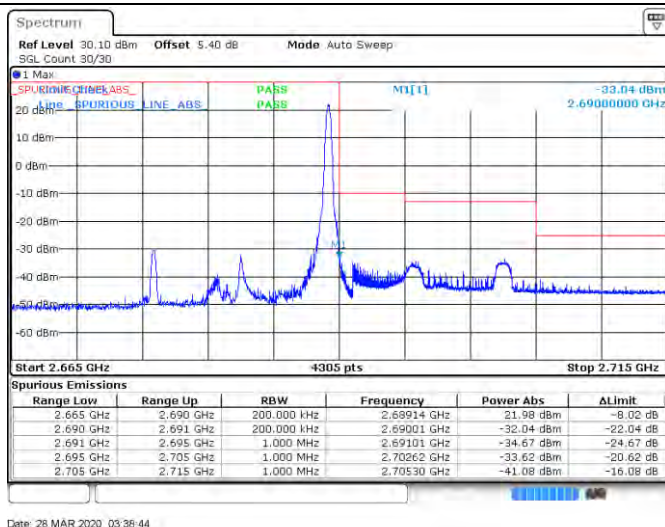


Band41_15MHz_QPSK_39725_75RB#0

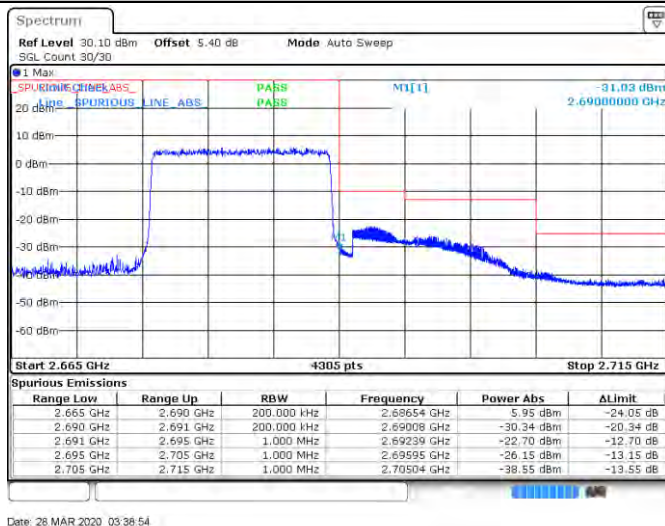


Band41_15MHz_QPSK_41515_1RB#74



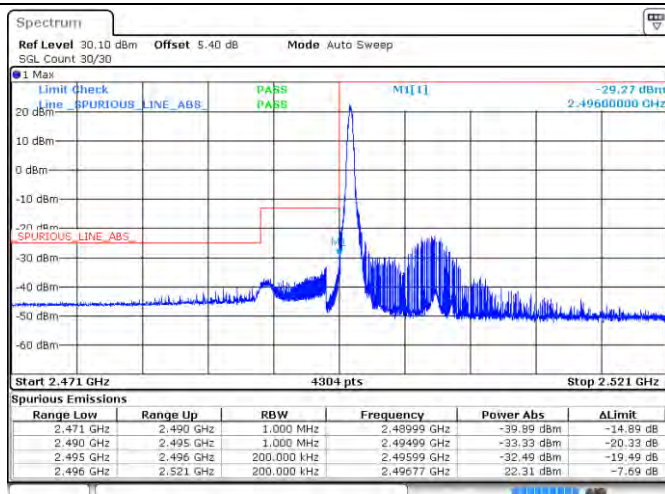


Band41_15MHz_QPSK_41515_75RB#0

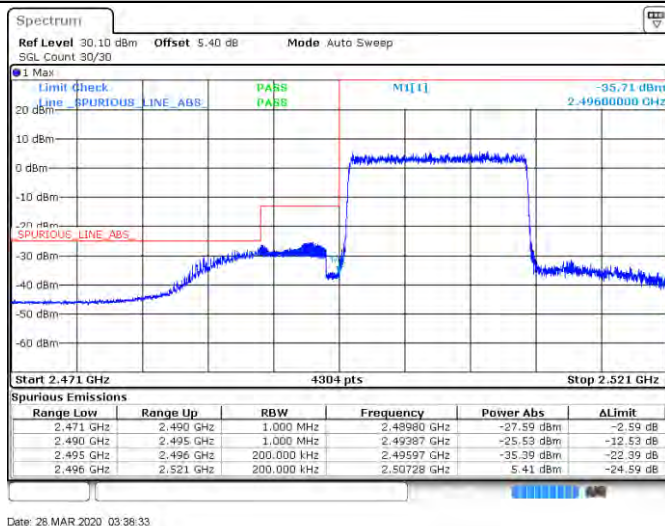


Band41_15MHz_64QAM_39725_1RB#0



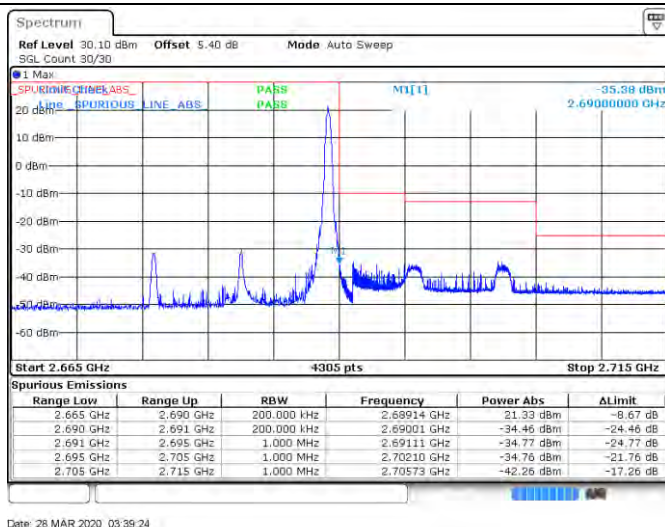


Band41_15MHz_64QAM_39725_75RB#0

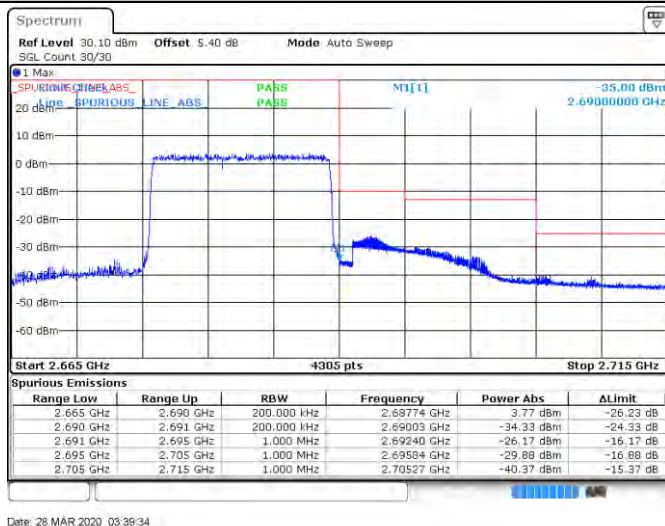


Band41_15MHz_64QAM_41515_1RB#74



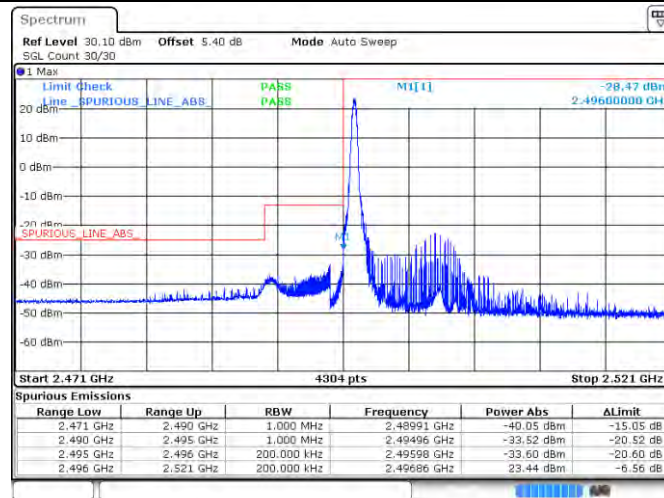


Band41_15MHz_64QAM_41515_75RB#0



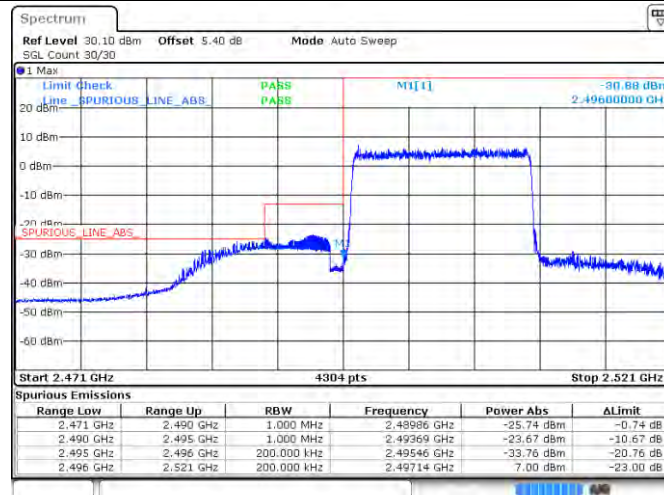
Band41_15MHz_16QAM_39725_1RB#0





Date: 26 MAR 2020 03:38:06

Band41_15MHz_16QAM_39725_75RB#0



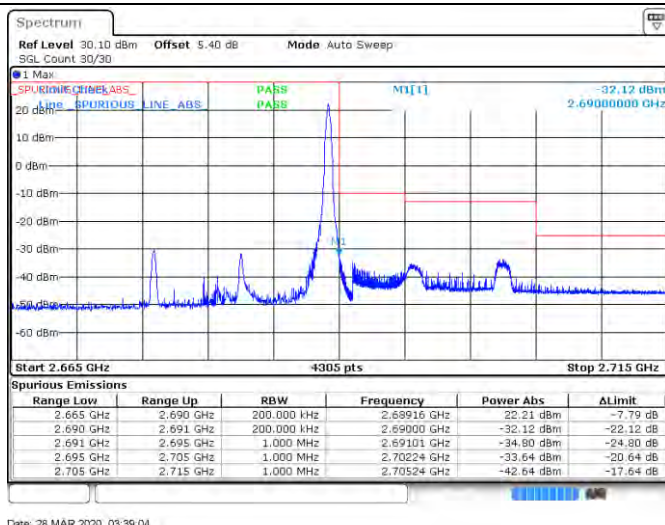
Date: 26 MAR 2020 03:38:16

Band41_15MHz_16QAM_41515_1RB#74

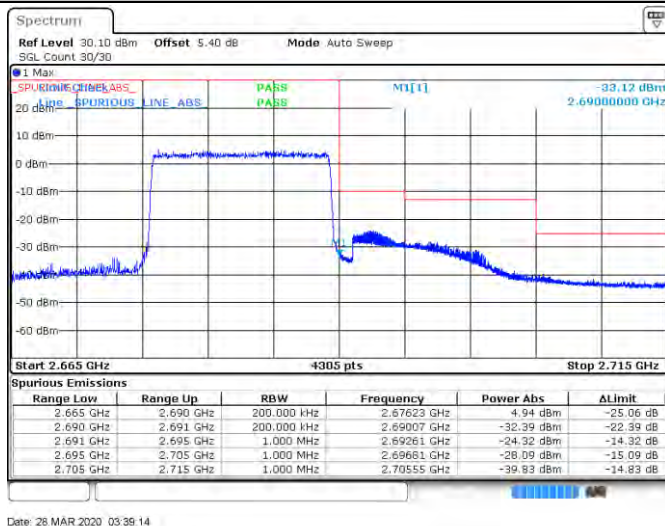


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

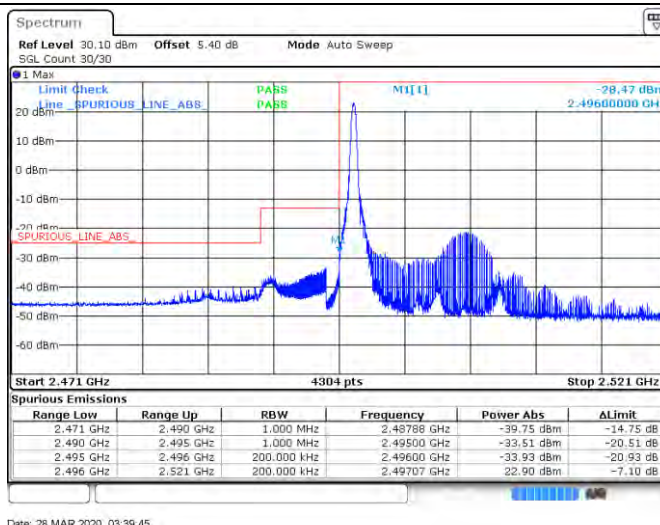


Band41_15MHz_16QAM_41515_75RB#0



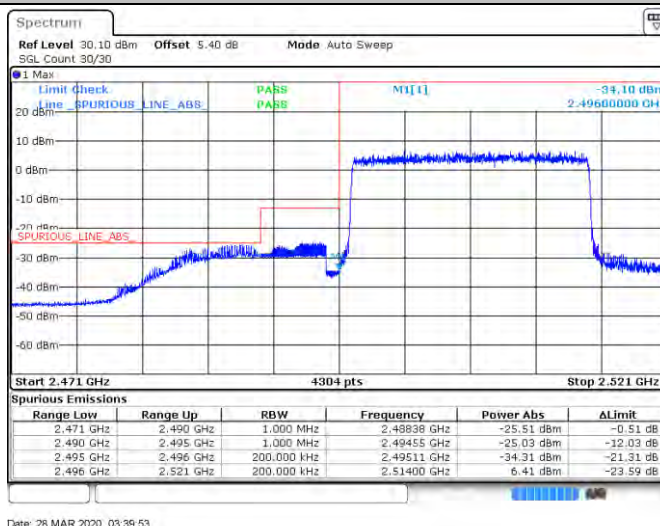
Band41_20MHz_QPSK_39750_1RB#0





Date: 26 MAR 2020 03:39:45

Band41_20MHz_QPSK_39750_100RB#0



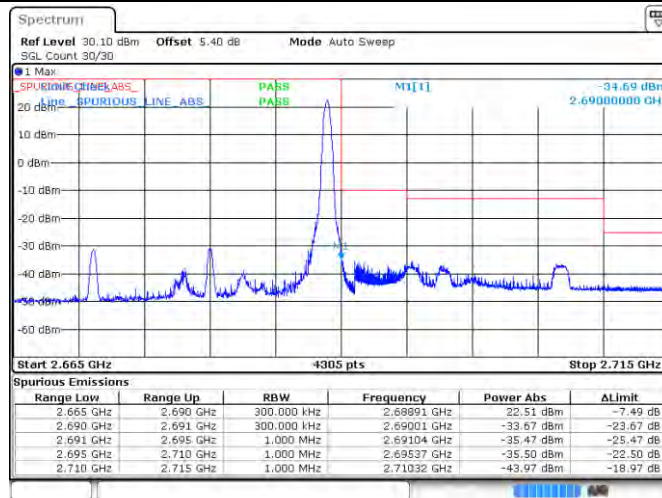
Date: 26 MAR 2020 03:39:53

Band41_20MHz_QPSK_41490_1RB#99



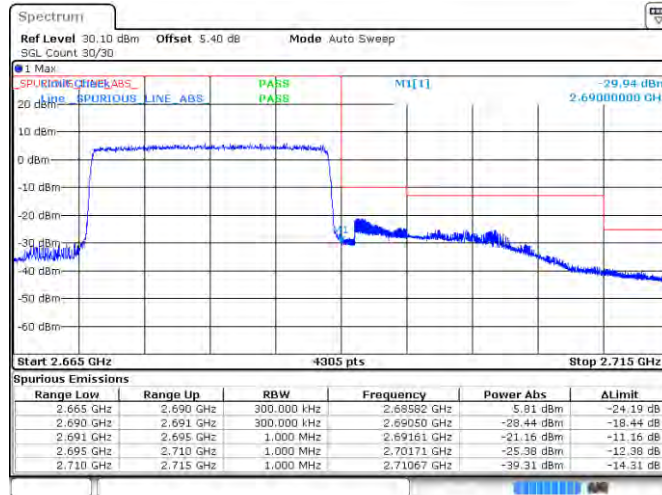
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 28 MAR 2020 03:40:38

Band41_20MHz_QPSK_41490_100RB#0



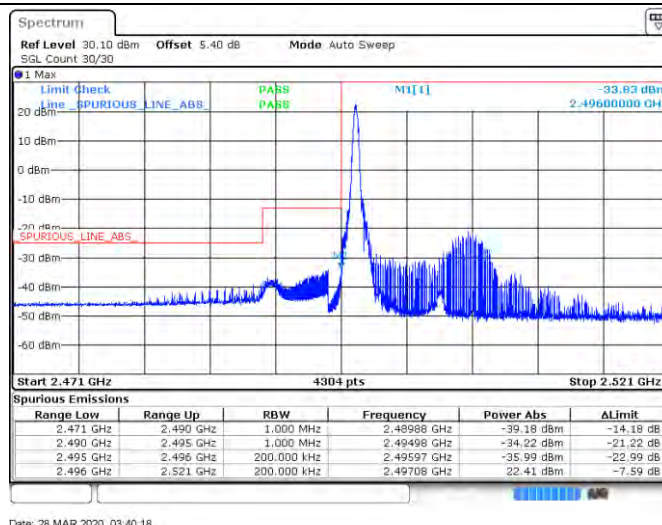
Date: 28 MAR 2020 03:40:48

Band41_20MHz_64QAM_39750_1RB#0



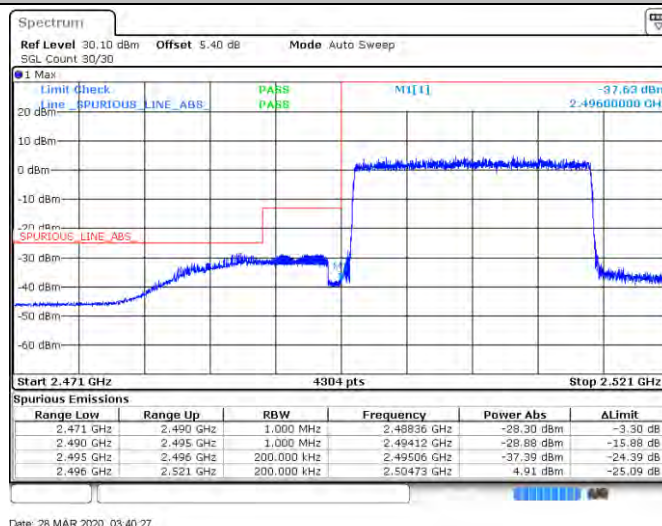
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 28 MAR 2020 03:40:18

Band41_20MHz_64QAM_39750_100RB#0



Date: 28 MAR 2020 03:40:27

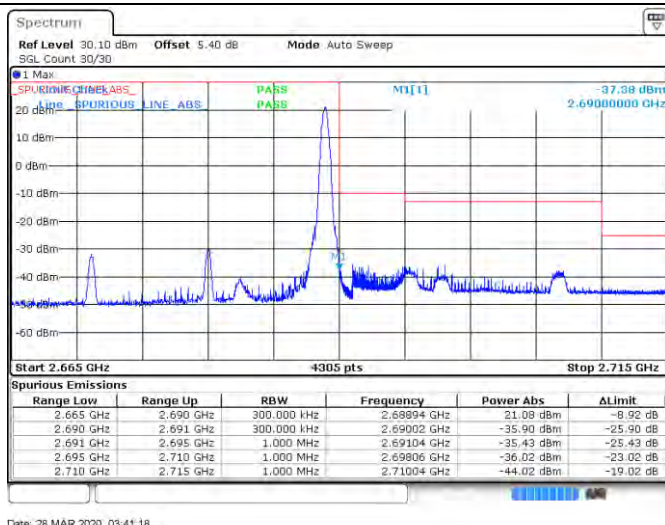
Band41_20MHz_64QAM_41490_1RB#99



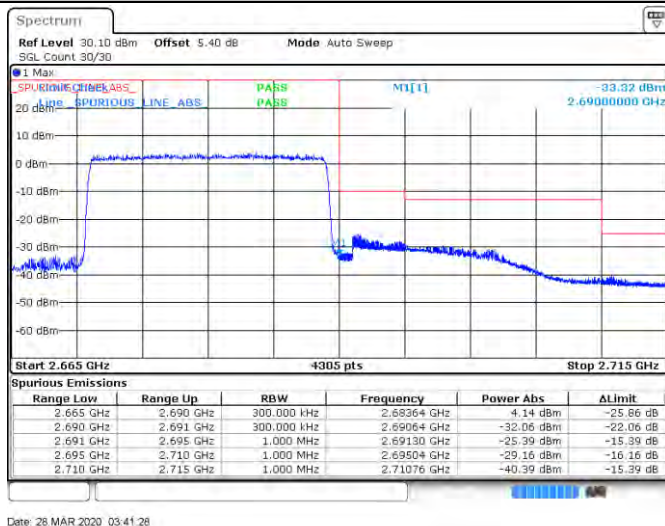
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

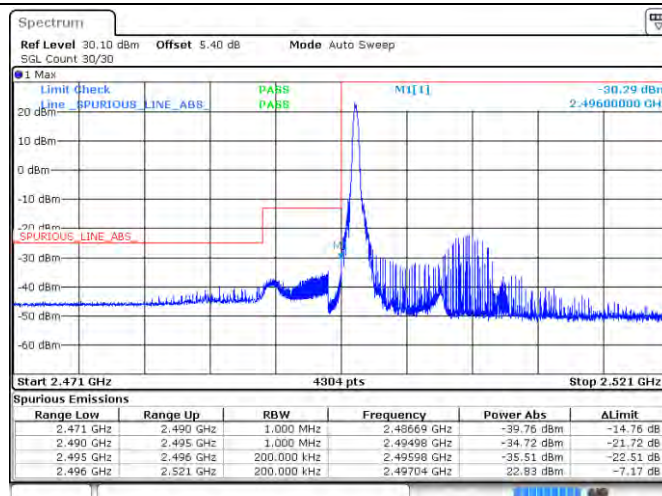


Band41_20MHz_64QAM_41490_100RB#0



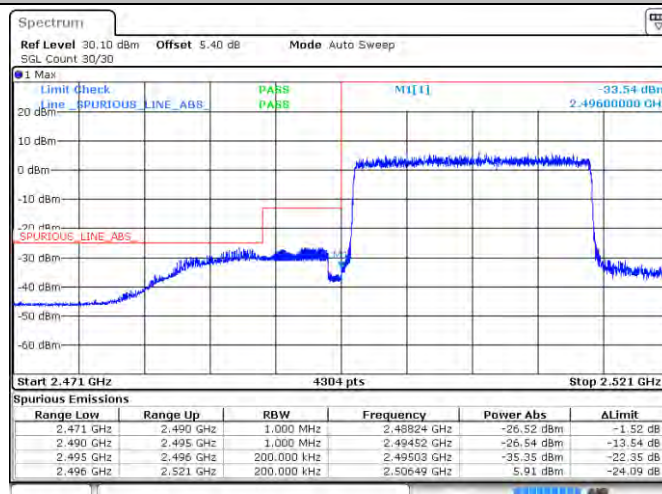
Band41_20MHz_16QAM_39750_1RB#0





Date: 28 MAR 2020 03:40:02

Band41_20MHz_16QAM_39750_100RB#0



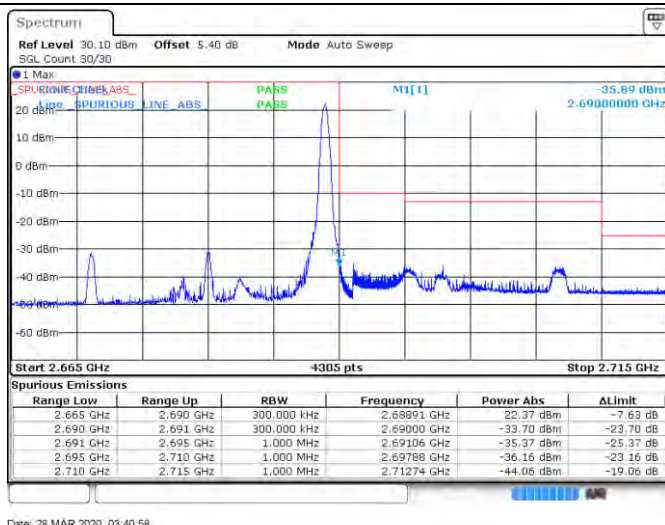
Date: 28 MAR 2020 03:40:10

Band41_20MHz_16QAM_41490_1RB#99

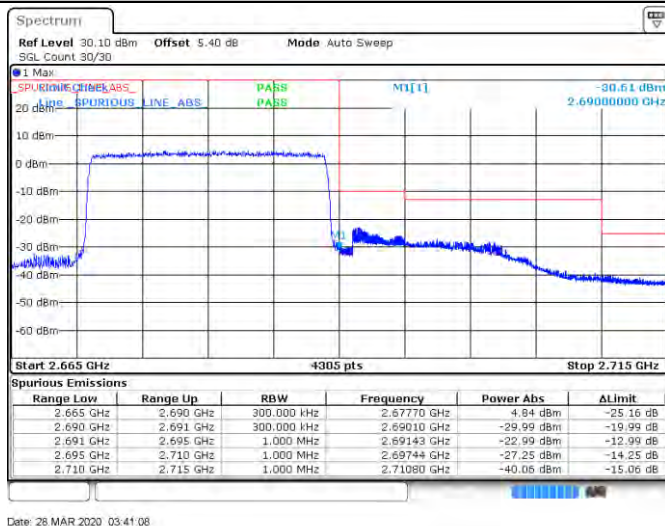


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band41_20MHz_16QAM_41490_100RB#0



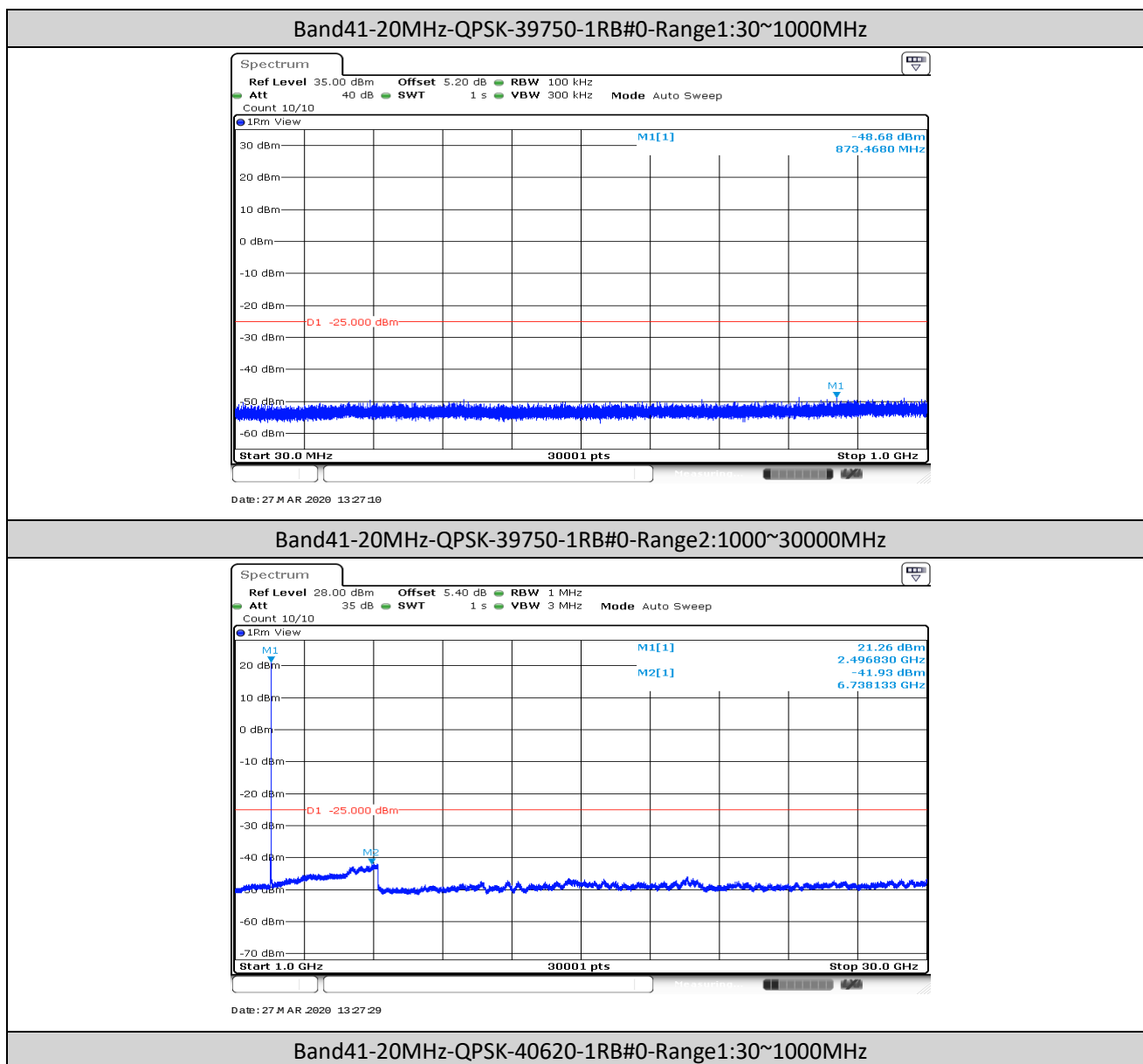


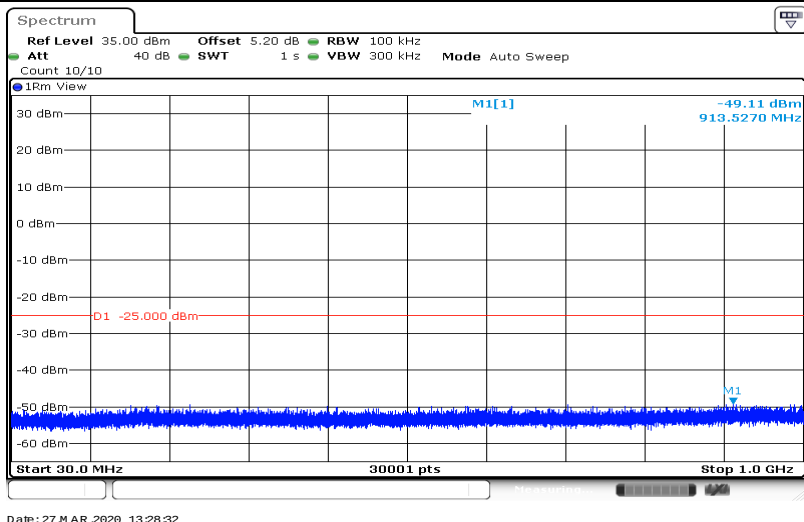
6. Spurious Emission at Antenna Terminal

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

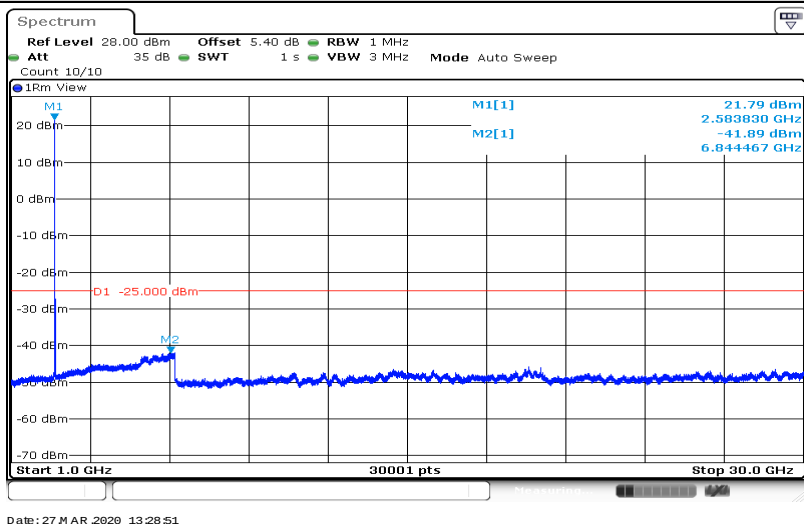
Remark2: only the worst case data displayed in this report.

6.1. Test Plots





Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz



Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz

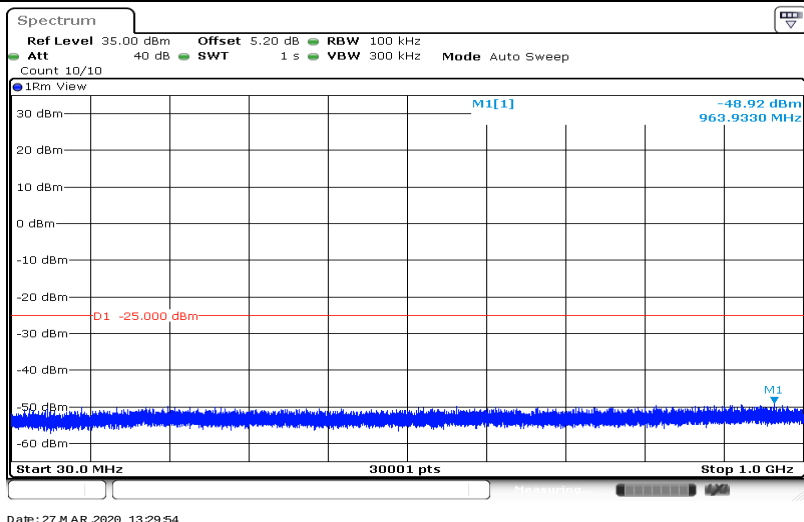


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Laboratory

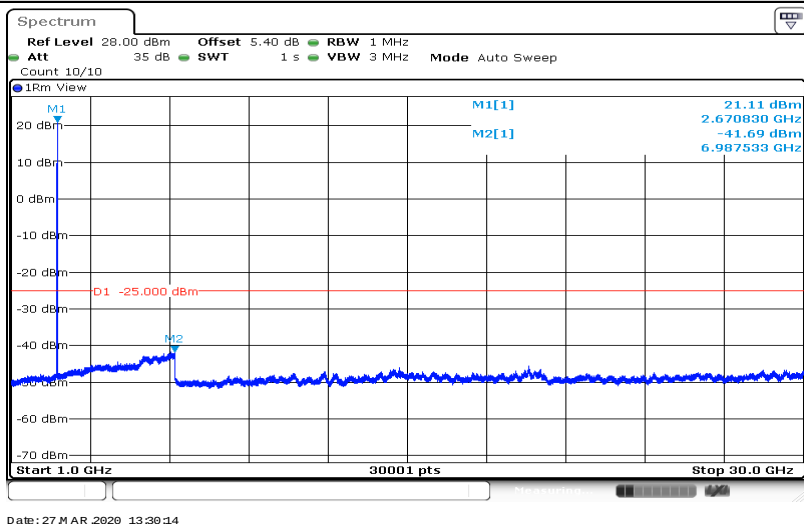
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

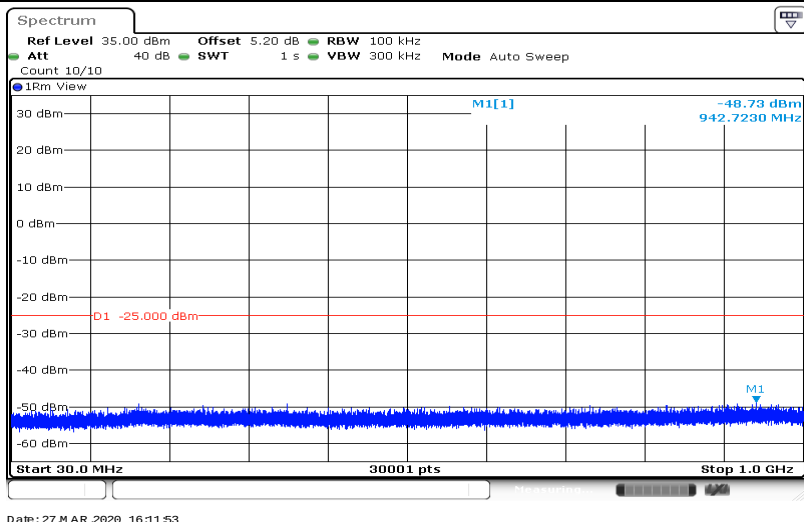


Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz

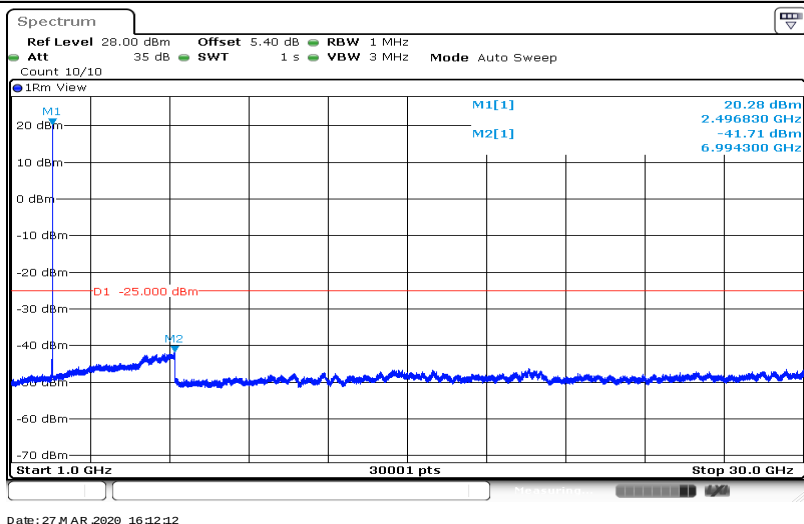


Band41-20MHz-64QAM-39750-1RB#0-Range1:30~1000MHz



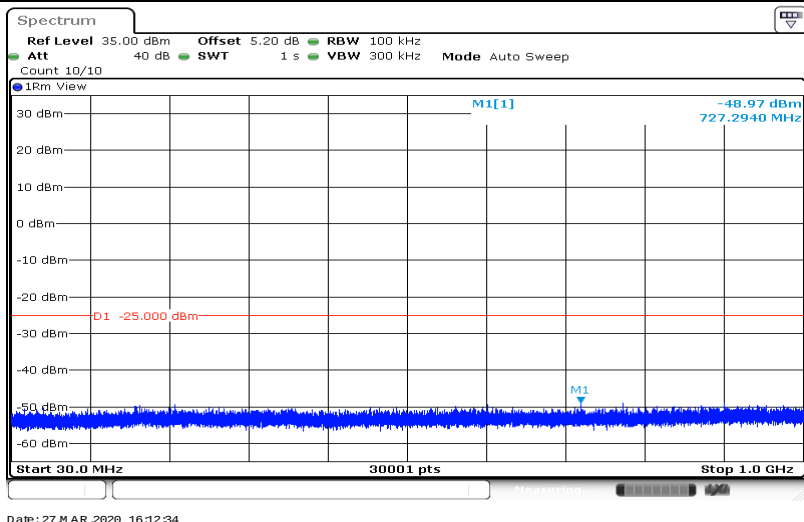


Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz

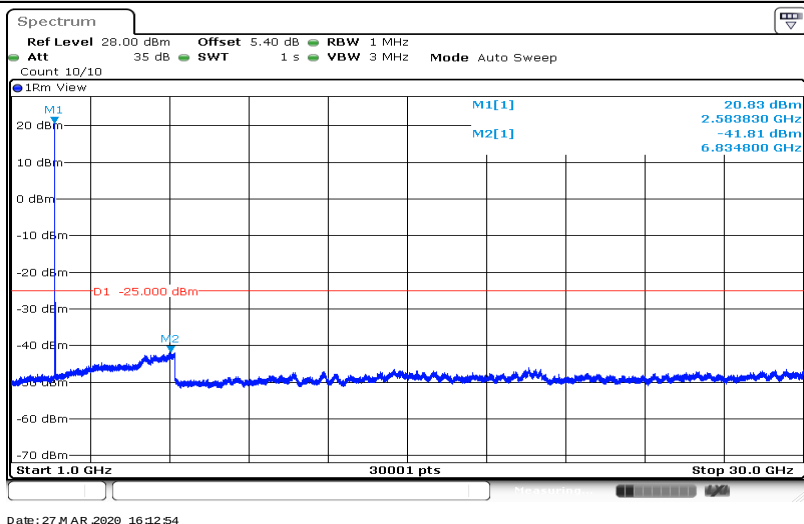


Band41-20MHz-64QAM-40620-1RB#0-Range1:30~1000MHz





Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz



Band41-20MHz-64QAM-41490-1RB#0-Range1:30~1000MHz

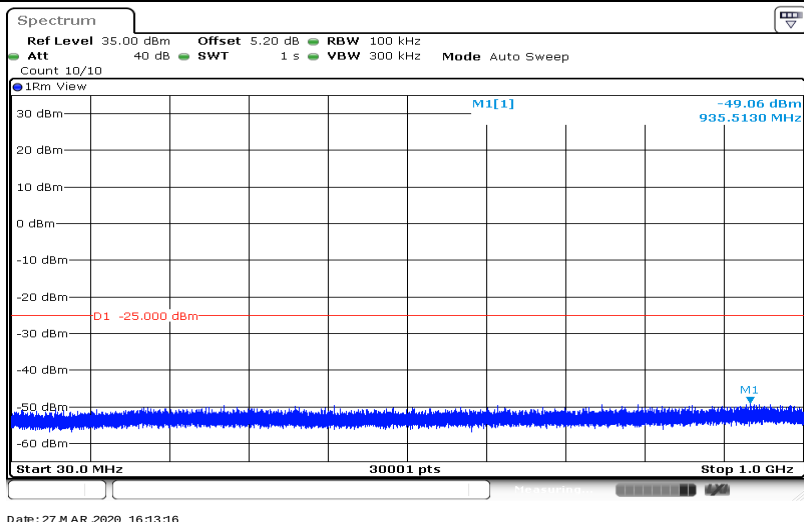


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Laboratory

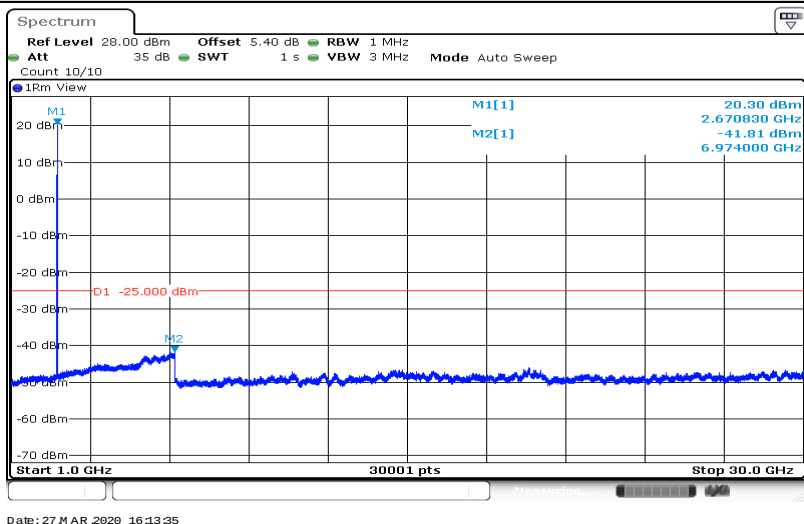
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

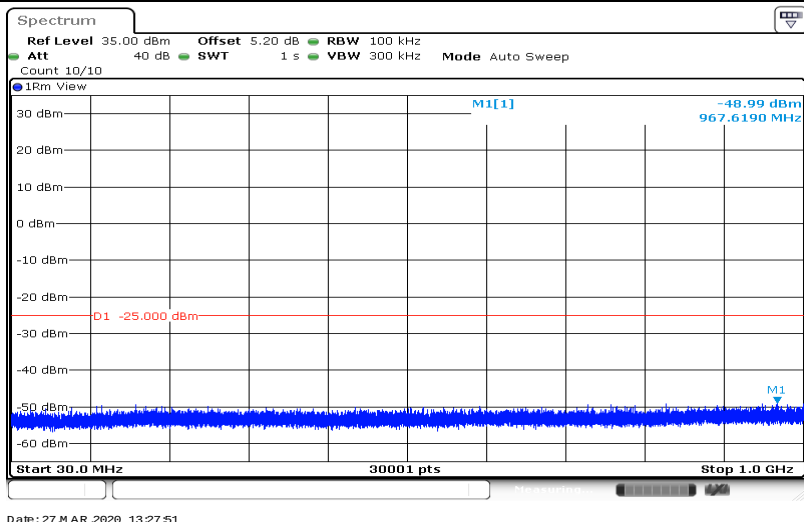


Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz

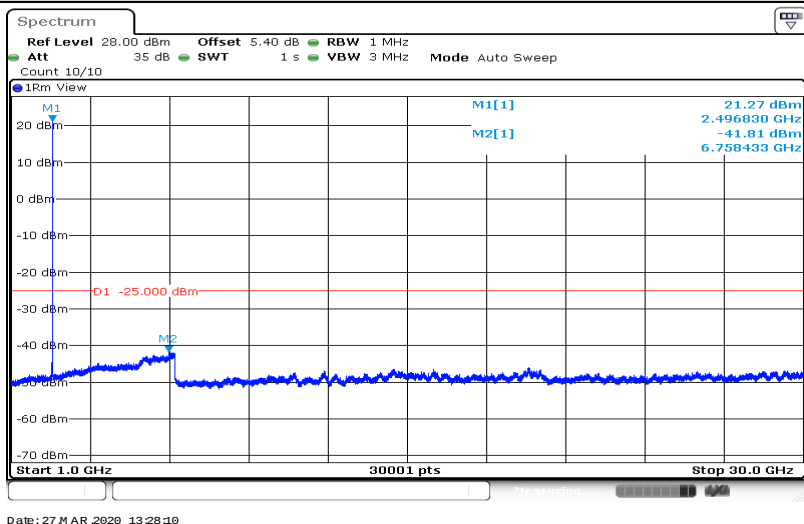


Band41-20MHz-16QAM-39750-1RB#0-Range1:30~1000MHz



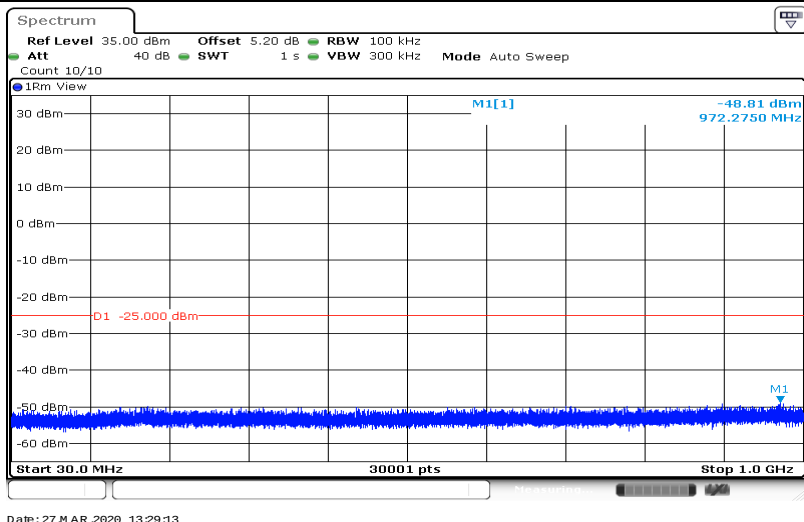


Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz

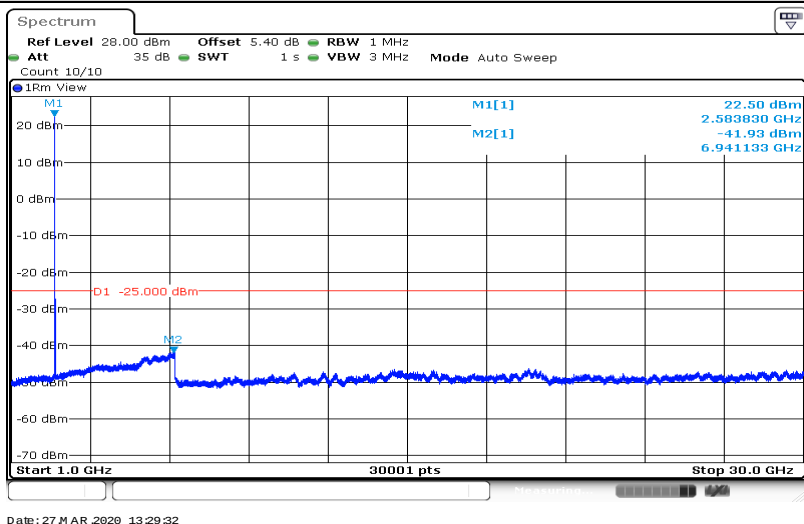


Band41-20MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



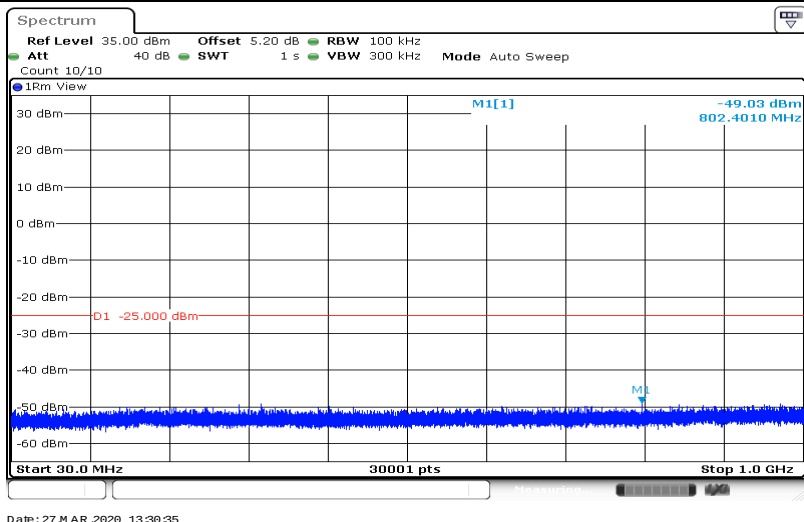


Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz

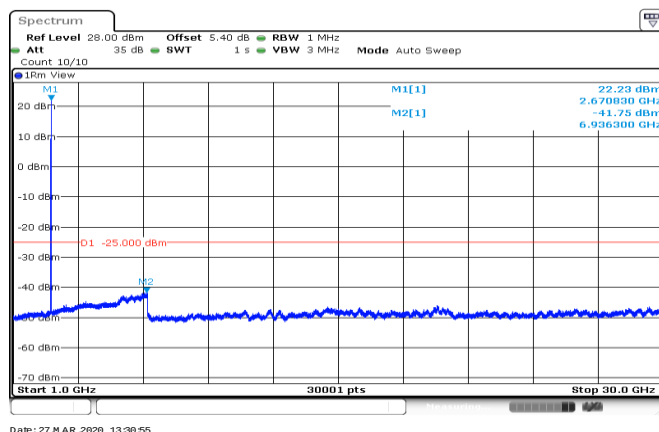


Band41-20MHz-16QAM-41490-1RB#0-Range1:30~1000MHz





Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~30000MHz





7. Field Strength of Spurious Radiation

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

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
103.2872	-65.04	-25.00	40.04	Vertical
741.0456	-61.77	-25.00	36.77	Vertical
1716.5433	-43.85	-25.00	18.85	Vertical
7290.6430	-56.02	-25.00	31.02	Vertical
14480.8827	-46.35	-25.00	21.35	Vertical
17995.4999	-38.95	-25.00	13.95	Vertical
43.7747	-64.36	-25.00	39.36	Horizontal
519.2440	-65.64	-25.00	40.64	Horizontal
1613.3227	-44.62	-25.00	19.62	Horizontal
7478.1493	-54.54	-25.00	29.54	Horizontal
16401.4467	-42.80	-25.00	17.80	Horizontal
17999.0000	-43.60	-25.00	18.60	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.0290	-65.26	-25.00	40.26	Vertical
639.1420	-64.01	-25.00	39.01	Vertical
1785.3571	-43.84	-25.00	18.84	Vertical
7352.1451	-54.26	-25.00	29.26	Vertical
14703.8901	-46.79	-25.00	21.79	Vertical
17998.5000	-38.80	-25.00	13.80	Vertical
40.8160	-63.59	-25.00	38.59	Horizontal
598.4969	-64.32	-25.00	39.32	Horizontal
1601.3203	-44.63	-25.00	19.63	Horizontal
7483.6495	-55.01	-25.00	30.01	Horizontal
16397.4466	-42.87	-25.00	17.87	Horizontal
17996.9999	-43.55	-25.00	18.55	Horizontal



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

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

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

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



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.2230	-64.60	-25.00	39.60	Vertical
604.5597	-63.89	-25.00	38.89	Vertical
1780.9562	-43.78	-25.00	18.78	Vertical
7325.6442	-54.93	-25.00	29.93	Vertical
14473.3824	-46.49	-25.00	21.49	Vertical
17997.9999	-38.50	-25.00	13.50	Vertical
40.7675	-64.12	-25.00	39.12	Horizontal
577.7379	-63.94	-25.00	38.94	Horizontal
1795.3591	-43.14	-25.00	18.14	Horizontal
7456.1485	-55.36	-25.00	30.36	Horizontal
16398.9466	-42.83	-25.00	17.83	Horizontal
17999.5000	-43.16	-25.00	18.16	Horizontal

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

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
78.9389	-67.89	-25.00	42.89	Vertical
117.4499	-65.14	-25.00	40.14	Vertical
787.1229	-62.81	-25.00	37.81	Vertical
2703.5407	-37.21	-25.00	12.21	Vertical
7913.6638	-55.02	-25.00	30.02	Vertical
17999.0000	-38.32	-25.00	13.32	Vertical
44.5507	-63.44	-25.00	38.44	Horizontal
245.7388	-68.13	-25.00	43.13	Horizontal
825.4883	-54.80	-25.00	29.80	Horizontal
2701.1402	-36.03	-25.00	11.03	Horizontal
7371.6457	-55.38	-25.00	30.38	Horizontal
16396.9466	-42.84	-25.00	17.84	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
80.3455	-67.98	-25.00	42.98	Vertical
110.1745	-64.77	-25.00	39.77	Vertical
754.5777	-61.90	-25.00	36.90	Vertical



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

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



2694.7389	-37.28	-25.00	12.28	Vertical
8029.1676	-54.83	-25.00	29.83	Vertical
17999.0000	-38.98	-25.00	13.98	Vertical
41.6891	-64.15	-25.00	39.15	Horizontal
236.3293	-68.41	-25.00	43.41	Horizontal
825.3913	-54.49	-25.00	29.49	Horizontal
2700.3401	-35.78	-25.00	10.78	Horizontal
7460.6487	-55.40	-25.00	30.40	Horizontal
16386.9462	-42.85	-25.00	17.85	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
72.1486	-69.48	-25.00	44.48	Vertical
104.2572	-64.74	-25.00	39.74	Vertical
871.9051	-60.67	-25.00	35.67	Vertical
2999.1998	-37.82	-25.00	12.82	Vertical
7460.6487	-54.91	-25.00	29.91	Vertical
17995.9999	-39.13	-25.00	14.13	Vertical
39.5065	-64.24	-25.00	39.24	Horizontal
237.3479	-68.46	-25.00	43.46	Horizontal
765.8788	-62.18	-25.00	37.18	Horizontal
2984.3969	-38.05	-25.00	13.05	Horizontal
10013.7338	-52.07	-25.00	27.07	Horizontal
16396.4465	-42.55	-25.00	17.55	Horizontal

Remark:

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





8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	-2.10	-0.000838	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-2.60	-0.001038	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-5.10	-0.002035	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-5.20	-0.002005	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-7.40	-0.002854	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-6.30	-0.002430	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-12.50	-0.004664	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-12.60	-0.004701	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	-14.20	-0.005299	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	-3.80	-0.001516	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	-1.40	-0.000559	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	-4.40	-0.001756	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	-13.50	-0.005206	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	-10.20	-0.003934	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	-8.40	-0.003239	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	-2.20	-0.000821	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	1.40	0.000522	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	-6.90	-0.002575	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	-3.60	-0.001437	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-1.20	-0.000479	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	-14.80	-0.005906	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-1.70	-0.000656	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	-11.90	-0.004589	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	-3.20	-0.001234	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	-8.50	-0.003172	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	-13.70	-0.005112	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	-3.80	-0.001418	±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
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	-9.30	-0.003711	±2.5	PASS



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



Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-9.10	-0.003631	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-7.50	-0.002993	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-2.20	-0.000878	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-0.70	-0.000279	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-8.50	-0.003392	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-13.80	-0.005507	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-12.50	-0.004988	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-0.50	-0.000193	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-7.20	-0.002777	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-4.30	-0.001658	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-7.90	-0.003047	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-7.70	-0.002970	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-7.60	-0.002931	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-5.20	-0.002005	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-10.40	-0.004011	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	-0.50	-0.000187	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-5.00	-0.001866	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-13.00	-0.004851	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-4.20	-0.001567	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-8.50	-0.003172	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-8.70	-0.003246	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-8.70	-0.003246	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	-1.50	-0.000560	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	1.50	0.000599	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	-10.60	-0.004230	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	-9.40	-0.003751	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	-0.40	-0.000160	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	-7.80	-0.003113	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	40	-8.20	-0.003272	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	-10.30	-0.004110	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	-7.30	-0.002815	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	-1.20	-0.000463	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	0	-3.90	-0.001504	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	-7.80	-0.003008	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	-4.20	-0.001620	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	-0.20	-0.000077	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	-2.20	-0.000848	±2.5	PASS



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

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



Band41	20MHz	64QAM	40620	100RB#0	NV	50	-0.30	-0.000116	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	-0.30	-0.000112	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	-6.80	-0.002537	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	-12.20	-0.004552	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	-6.60	-0.002463	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	-6.70	-0.002500	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	-8.20	-0.003060	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	-6.50	-0.002425	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	-14.80	-0.005522	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	-2.20	-0.000878	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	-8.80	-0.003512	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	-9.30	-0.003711	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	-11.90	-0.004749	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	-2.80	-0.001117	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	-13.30	-0.005307	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	-8.60	-0.003432	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	-2.60	-0.001038	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	-1.30	-0.000501	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	-12.60	-0.004859	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	-14.10	-0.005438	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	-10.10	-0.003895	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	-3.60	-0.001388	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	-14.60	-0.005631	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	-8.20	-0.003162	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	-2.90	-0.001118	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	-9.90	-0.003694	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	-1.10	-0.000410	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	-7.10	-0.002649	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	-8.70	-0.003246	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	-4.90	-0.001828	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	-1.40	-0.000522	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	-4.20	-0.001567	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	-12.60	-0.004701	±2.5	PASS

