



Appendix B

E-UTRA Band 7



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



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER.....	3
1.1. TEST RESULT.....	3
2. PEAK-TO-AVERAGE RATIO (CCDF).....	9
2.1. TEST RESULT.....	9
2.2. TEST PLOTS.....	9
3. MODULATION CHARACTERISTICS.....	13
3.1. TEST BAND = LTE BAND 7.....	13
3.1.1. TEST MODE = LTE /TM1 20MHZ.....	13
3.1.1.1. TEST CHANNEL = MCH.....	13
3.1.2. TEST MODE = LTE /TM2 20MHZ.....	14
3.1.2.1. TEST CHANNEL = MCH.....	14
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	15
4.1. TEST RESULT.....	15
4.2. TEST PLOTS.....	16
5. BAND EDGE COMPLIANCE.....	28
5.1. TEST PLOTS.....	28
6. SPURIOUS EMISSION AT ANTENNA TERMINAL.....	44
6.1. TEST PLOTS.....	44
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	50
7.1. TEST BAND = LTE BAND 7.....	50
7.1.1. TEST MODE =LTE/TM1 20MHZ.....	50
7.1.1.1. TEST CHANNEL = LCH.....	50
7.1.1.2. TEST CHANNEL = MCH.....	50
7.1.1.3. TEST CHANNEL = HCH.....	51
8. FREQUENCY STABILITY.....	52
8.1. FREQUENCY VS VOLTAGE.....	52
8.2. FREQUENCY VS TEMPERATURE.....	53



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.55	24.25	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.52	24.22	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.49	24.19	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.55	23.25	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.61	23.31	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.61	23.31	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.59	23.29	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.52	24.22	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.72	24.42	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.45	24.15	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.58	23.28	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.69	23.39	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.65	23.35	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.63	23.33	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.49	24.19	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.82	24.52	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.63	24.33	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.7	23.4	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.72	23.42	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.68	23.38	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.68	23.38	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.9	23.6	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.75	23.45	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.42	23.12	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.39	22.09	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.5	22.2	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.59	22.29	33.00	PASS



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

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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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



Band7	5MHz	16QAM	20775	25RB#0	21.49	22.19	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.9	23.6	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.71	23.41	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.53	23.23	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.7	22.4	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.51	22.21	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.58	22.28	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.71	22.41	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.49	23.19	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.15	23.85	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.62	23.32	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.64	22.34	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.65	22.35	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.57	22.27	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.65	22.35	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.57	24.27	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.64	24.34	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.49	24.19	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.56	23.26	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.65	23.35	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.62	23.32	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.64	23.34	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.51	24.21	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.64	24.34	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.58	24.28	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.63	23.33	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.67	23.37	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.68	23.38	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.69	23.39	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.56	24.26	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.85	24.55	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.6	24.3	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.71	23.41	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 / 深圳分公司 / 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
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



Band7	10MHz	QPSK	21400	25RB#0	22.79	23.49	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.74	23.44	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.85	23.55	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.87	23.57	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.02	23.72	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.92	23.62	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.64	22.34	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.53	22.23	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.62	22.32	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.69	22.39	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.05	23.75	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.16	23.86	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.91	23.61	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.64	22.34	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.76	22.46	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.67	22.37	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.66	22.36	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.66	23.36	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.95	23.65	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.57	23.27	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.78	22.48	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.7	22.4	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.66	22.36	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.66	22.36	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.45	24.15	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.71	24.41	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.47	24.17	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.61	23.31	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.65	23.35	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.66	23.36	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.6	23.3	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.45	24.15	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.66	24.36	33.00	PASS



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

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

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

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

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



Band7	15MHz	QPSK	21100	1RB#74	23.56	24.26	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.71	23.41	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.72	23.42	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.65	23.35	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.74	23.44	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.5	24.2	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.73	24.43	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.72	24.42	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.72	23.42	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.74	23.44	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.78	23.48	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.82	23.52	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.48	23.18	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.96	23.66	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.98	23.68	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.57	22.27	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.61	22.31	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.73	22.43	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.6	22.3	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.94	23.64	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.72	23.42	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.91	23.61	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.58	22.28	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.75	22.45	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.63	22.33	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.69	22.39	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.9	23.6	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.8	23.5	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.01	23.71	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.82	22.52	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.69	22.39	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.75	22.45	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.75	22.45	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



Band7	20MHz	QPSK	20850	1RB#0	23.39	24.09	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.62	24.32	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.27	23.97	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.64	23.34	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.62	23.32	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.66	23.36	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.6	23.3	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.27	23.97	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.77	24.47	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.31	24.01	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.57	23.27	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.66	23.36	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.67	23.37	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.77	23.47	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.35	24.05	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.84	24.54	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.48	24.18	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.73	23.43	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.76	23.46	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.79	23.49	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.7	23.4	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.53	23.23	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.2	23.9	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.45	23.15	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.25	21.95	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.65	22.35	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.71	22.41	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.62	22.32	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.58	23.28	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.76	23.46	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.2	22.9	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.47	22.17	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.78	22.48	33.00	PASS



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

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

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

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

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



Band7	20MHz	16QAM	21100	50RB#50	21.72	22.42	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.65	22.35	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.39	23.09	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.88	23.58	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.75	23.45	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.77	22.47	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.72	22.42	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.6	22.3	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.74	22.44	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]



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

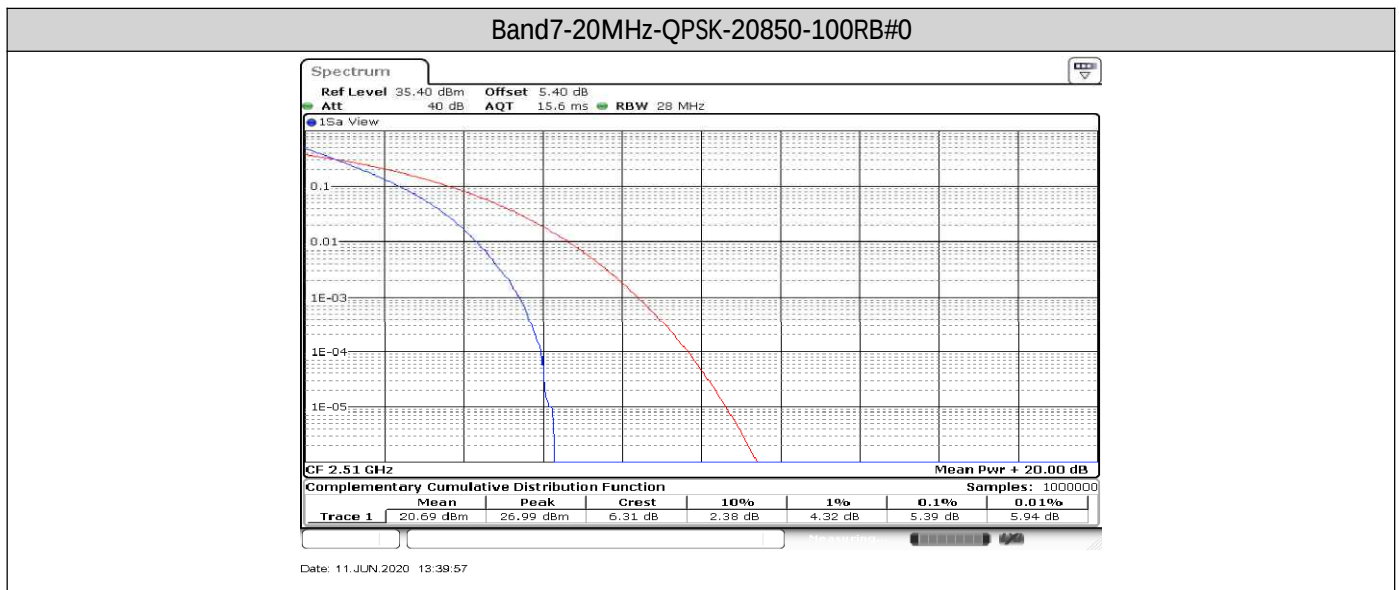


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

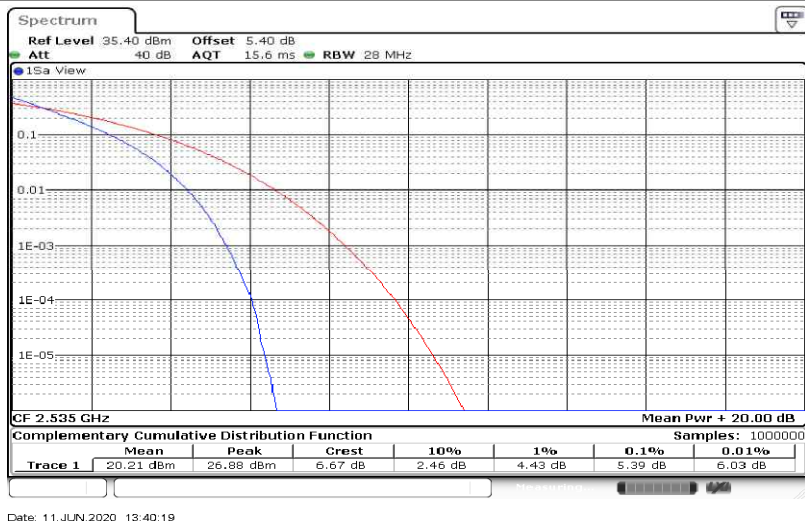
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.42	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.23	13	PASS

2.2. Test Plots

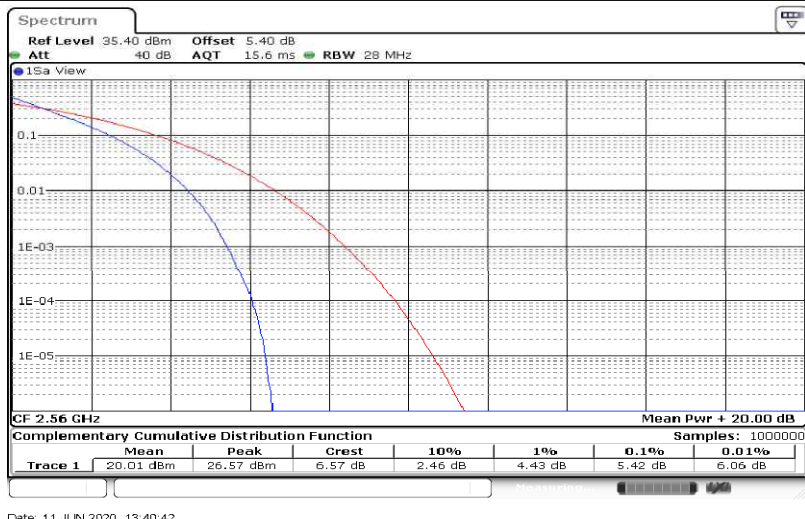




Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-100RB#0

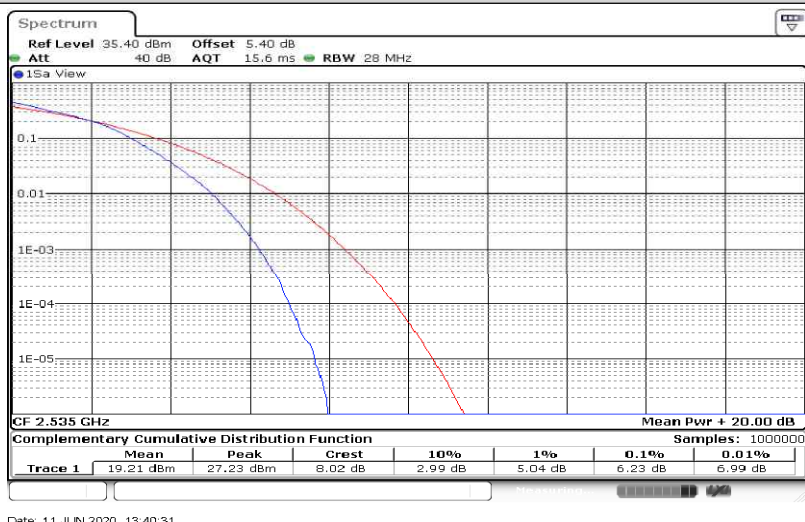




Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#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

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

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

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



Band7-20MHz-16QAM-21350-100RB#0



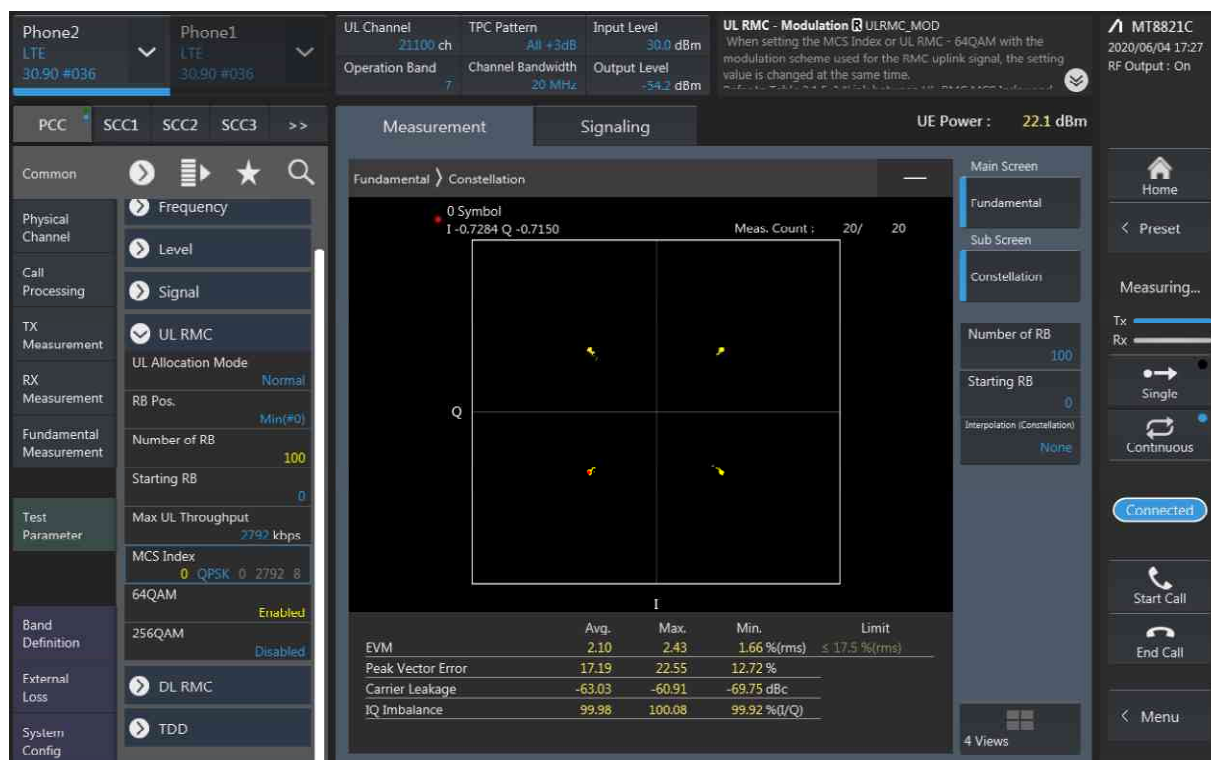


3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

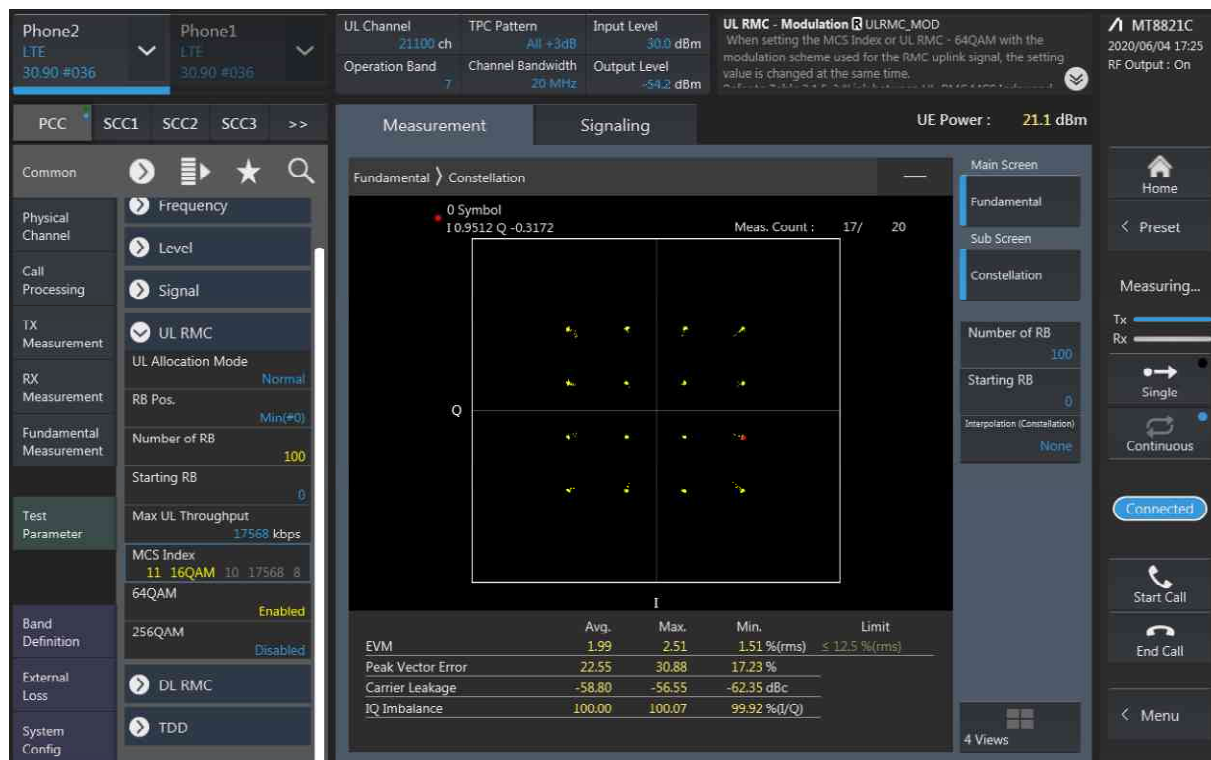
3.1.1.1. Test Channel = MCH





3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.486	4.740	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.740	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.486	4.760	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.790	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.760	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.750	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.971	9.460	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.971	9.460	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.971	9.460	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.480	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.420	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.520	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.576	14.550	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.576	14.550	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.546	14.580	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.606	14.310	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.576	14.520	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.576	14.460	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.062	19.120	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.062	19.080	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.102	19.120	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.022	19.000	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.022	18.880	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.062	19.080	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 / 深圳分公司 / CSTC Laboratory

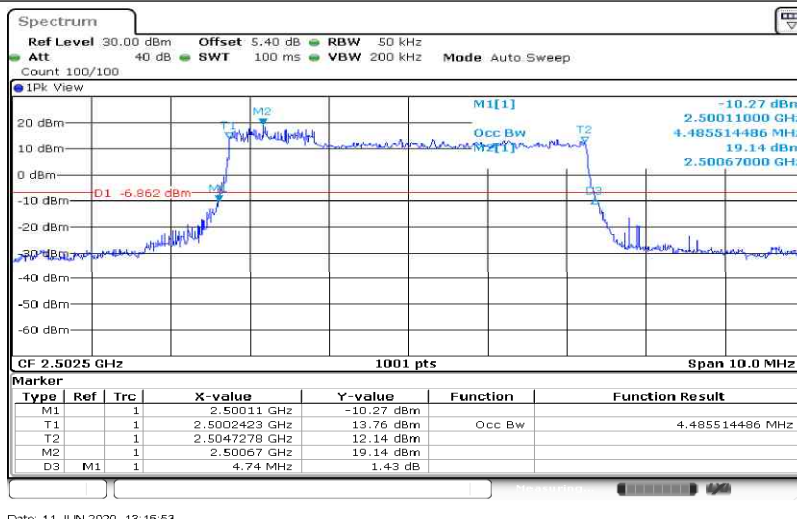
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

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

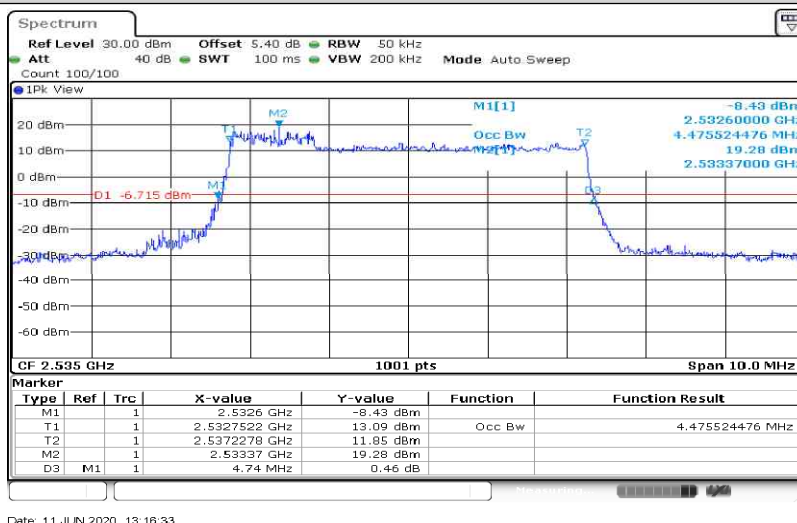


4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.486



Band7-5MHz-QPSK-21100-25RB#0-4.476

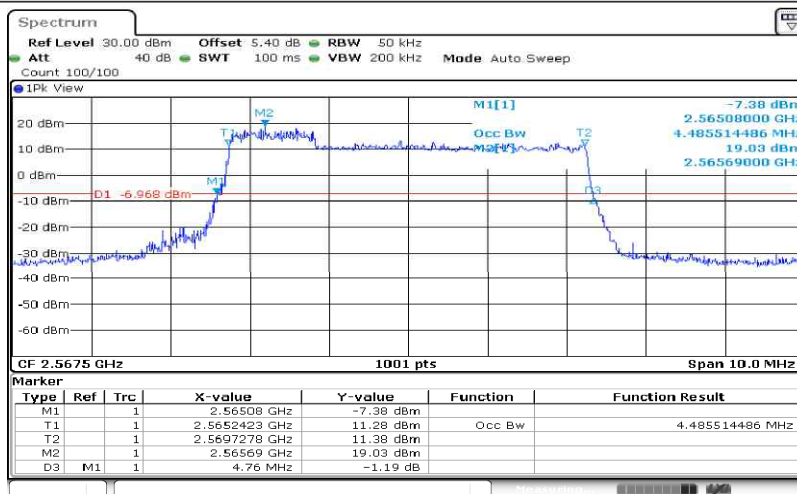


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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.ssgsgroup.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

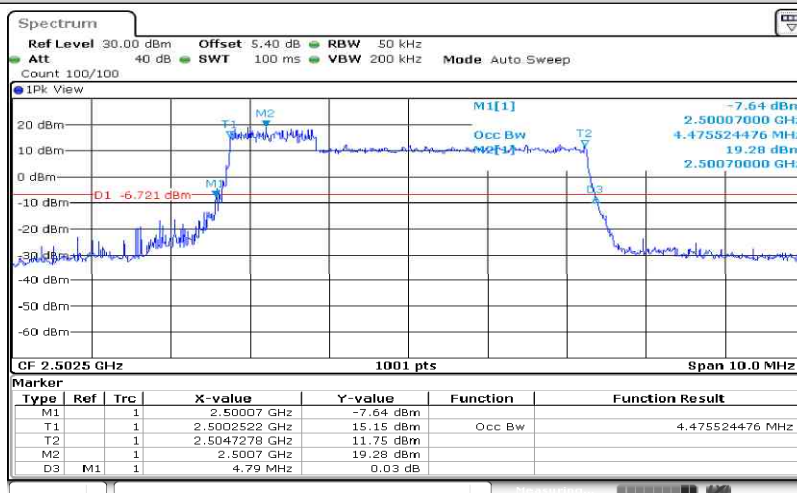


Band7-5MHz-QPSK-21425-25RB#0-4.486



Date: 11 JUN 2020 13:17:13

Band7-5MHz-16QAM-20775-25RB#0-4.476

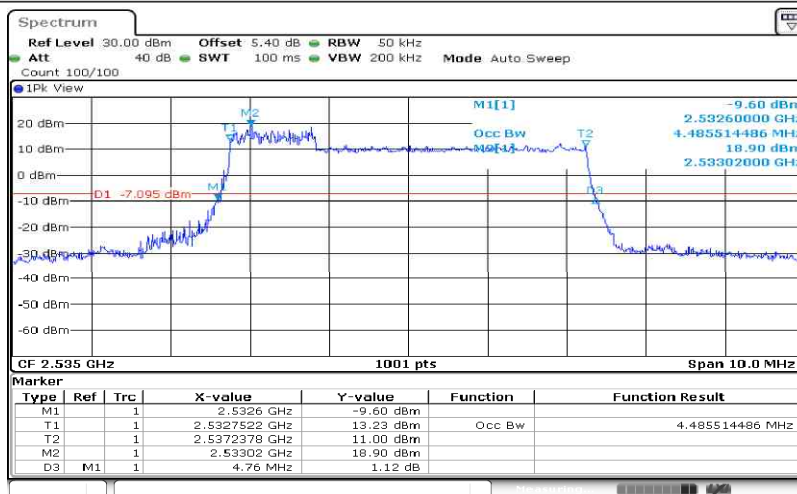


Date: 11 JUN 2020 13:16:13



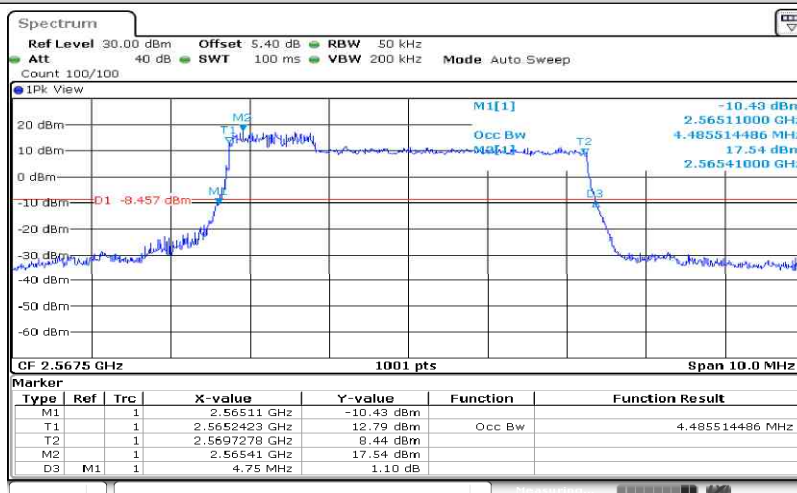


Band7-5MHz-16QAM-21100-25RB#0-4.486



Date: 11 JUN 2020 13:16:53

Band7-5MHz-16QAM-21425-25RB#0-4.486



Date: 11 JUN 2020 13:17:32

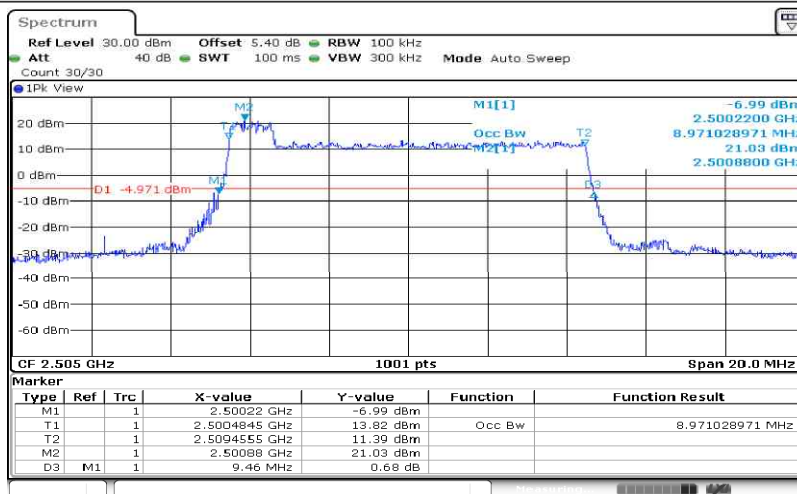


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

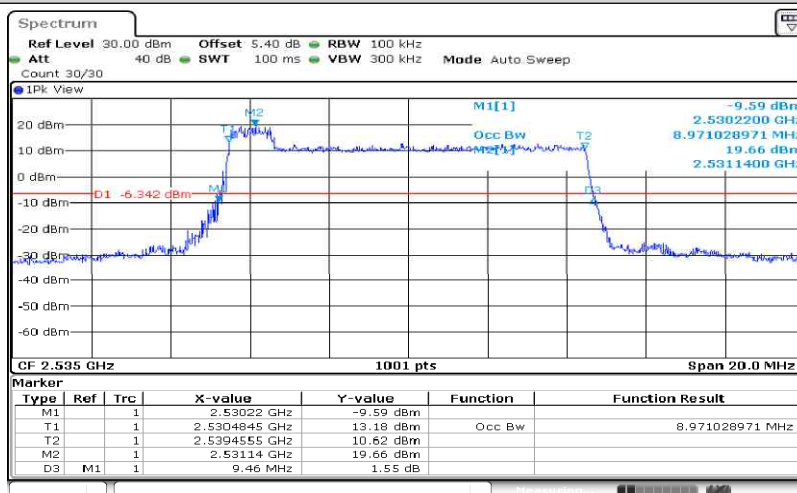


Band7-10MHz-QPSK-20800-50RB#0-8.971



Date: 11 JUN 2020 13:17:50

Band7-10MHz-QPSK-21100-50RB#0-8.971



Date: 11 JUN 2020 13:18:16



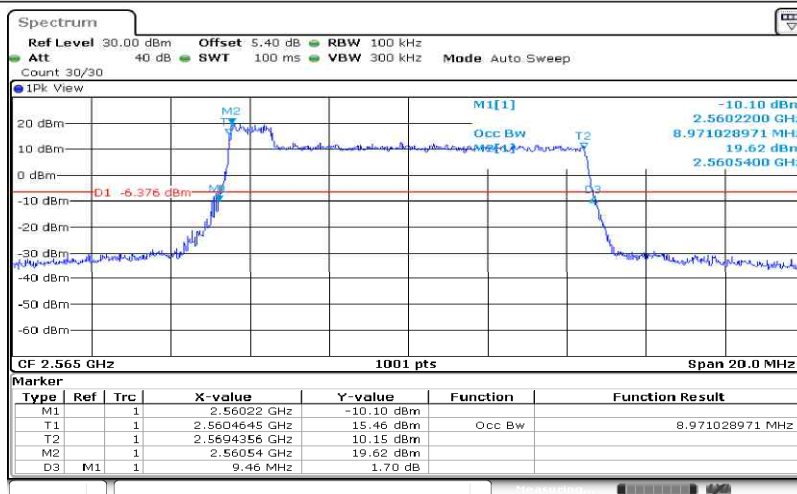
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.ssgroup.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

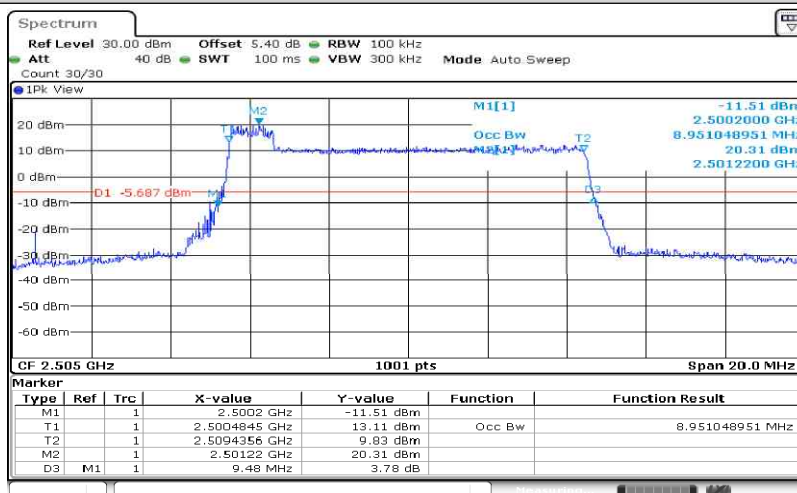


Band7-10MHz-QPSK-21400-50RB#0-8.971



Date: 11 JUN 2020 13:18:42

Band7-10MHz-16QAM-20800-50RB#0-8.951



Date: 11 JUN 2020 13:18:03

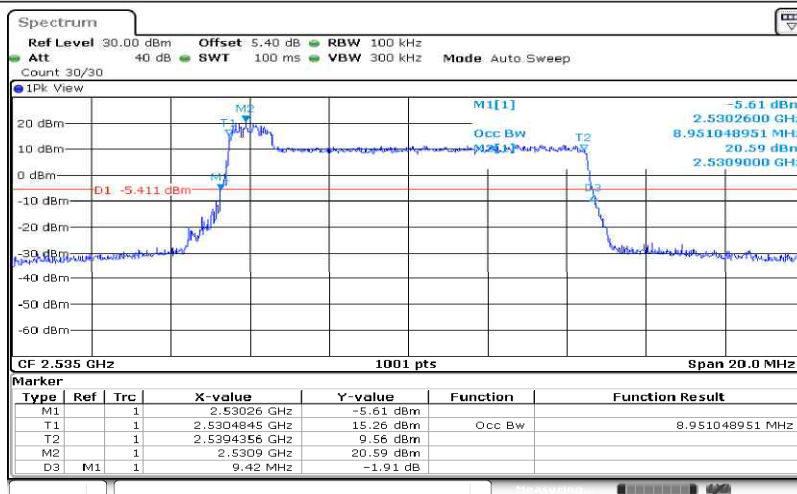


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

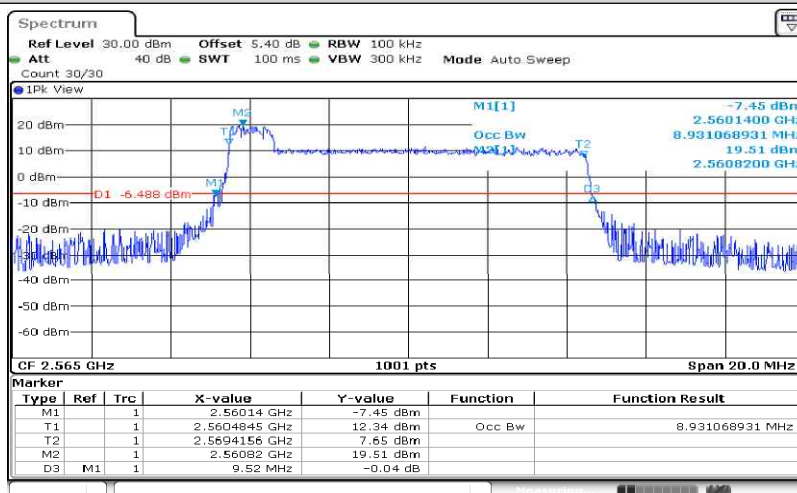


Band7-10MHz-16QAM-21100-50RB#0-8.951



Date: 11 JUN 2020 13:18:28

Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 11 JUN 2020 13:18:54

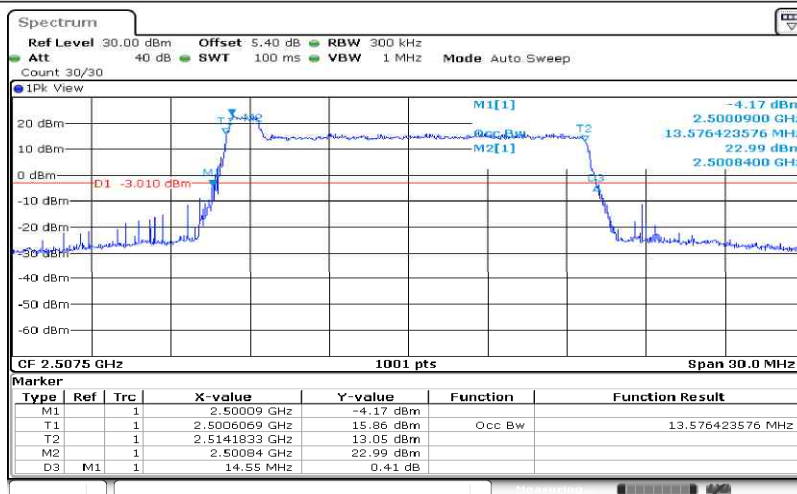


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

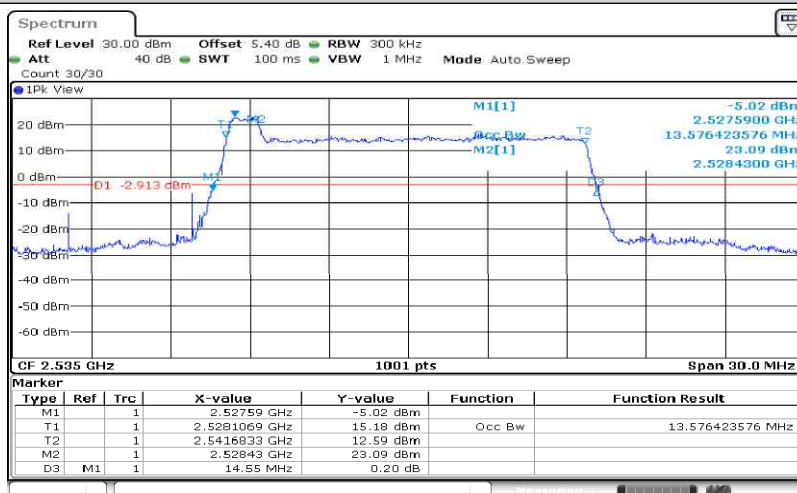


Band7-15MHz-QPSK-20825-75RB#0-13.576



Date: 11 JUN 2020 13:21:01

Band7-15MHz-QPSK-21100-75RB#0-13.576



Date: 11 JUN 2020 13:21:26

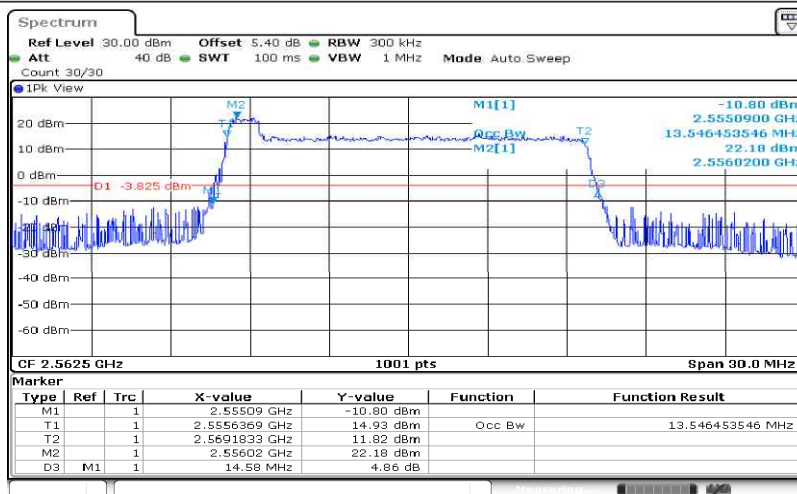


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

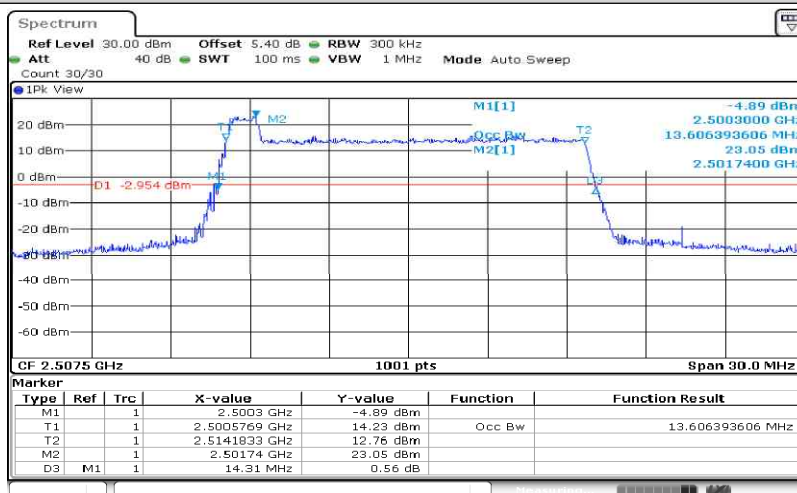


Band7-15MHz-QPSK-21375-75RB#0-13.546



Date: 11 JUN 2020 13:21:52

Band7-15MHz-16QAM-20825-75RB#0-13.606



Date: 11 JUN 2020 13:21:13

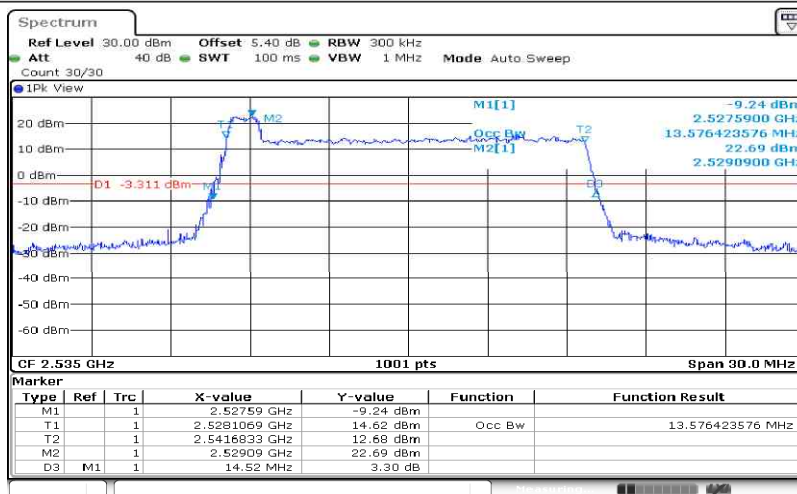


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

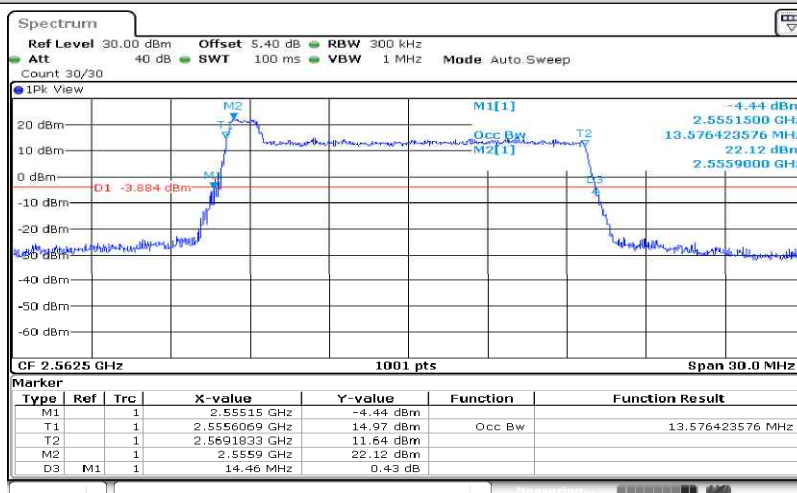


Band7-15MHz-16QAM-21100-75RB#0-13.576



Date: 11 JUN 2020 13:21:39

Band7-15MHz-16QAM-21375-75RB#0-13.576



Date: 11 JUN 2020 13:22:04

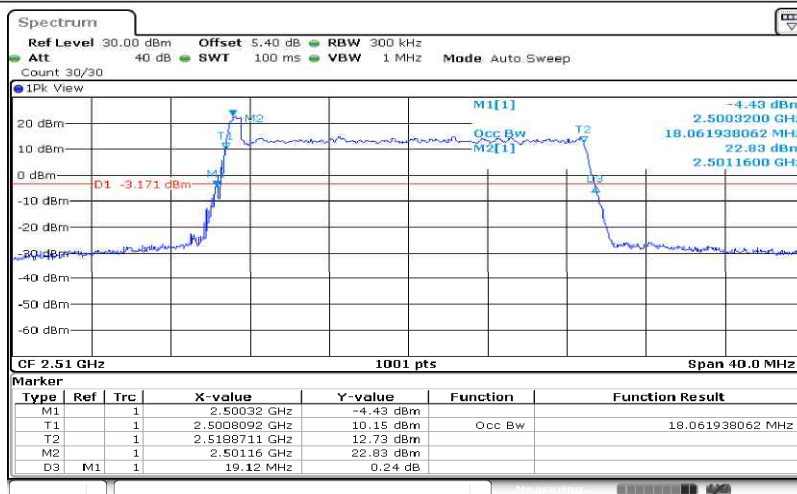


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

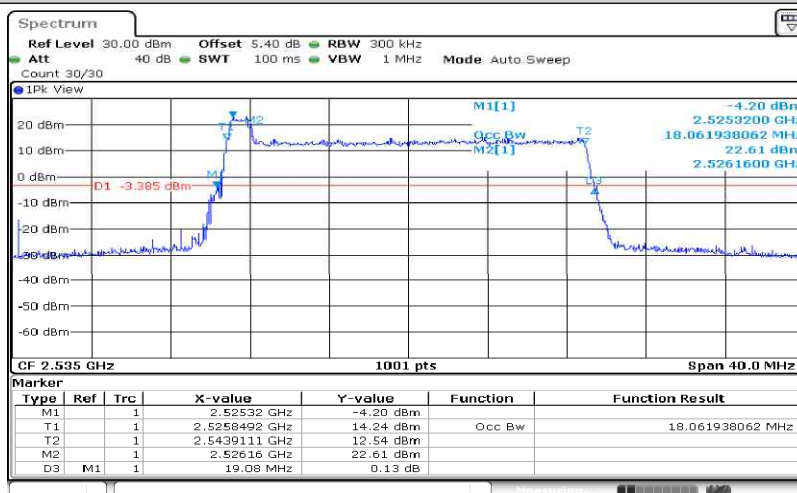


Band7-20MHz-QPSK-20850-100RB#0-18.062



Date: 11 JUN 2020 13:22:22

Band7-20MHz-QPSK-21100-100RB#0-18.062



Date: 11 JUN 2020 13:22:48

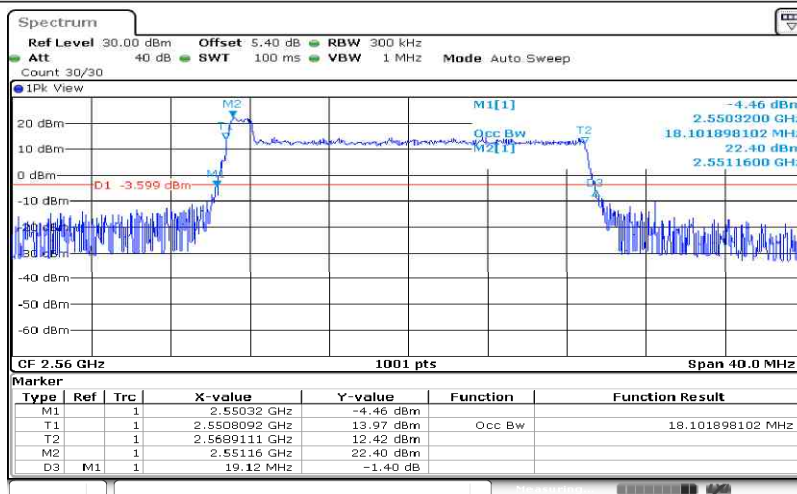


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

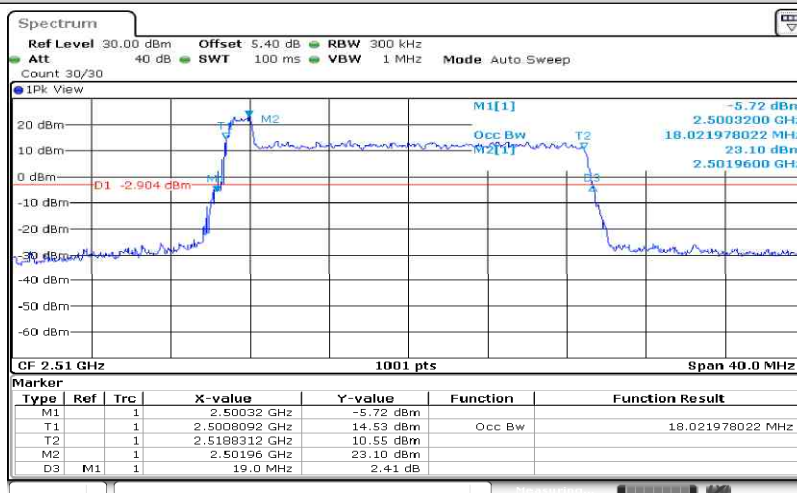


Band7-20MHz-QPSK-21350-100RB#0-18.102



Date: 11 JUN 2020 13:23:13

Band7-20MHz-16QAM-20850-100RB#0-18.022



Date: 11 JUN 2020 13:22:35

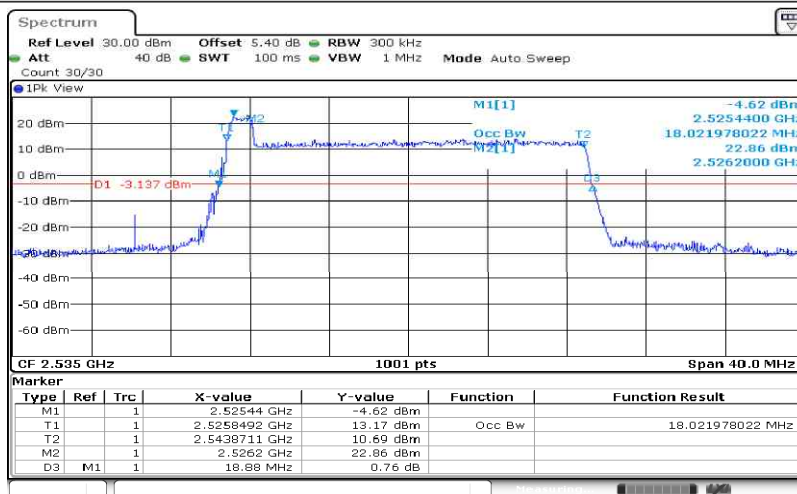


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

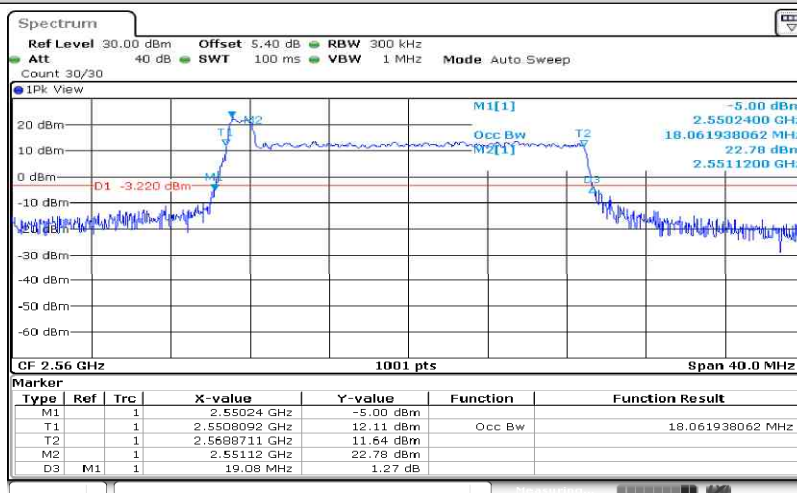


Band7-20MHz-16QAM-21100-100RB#0-18.022



Date: 11 JUN 2020 13:23:00

Band7-20MHz-16QAM-21350-100RB#0-18.062



Date: 11 JUN 2020 13:23:48



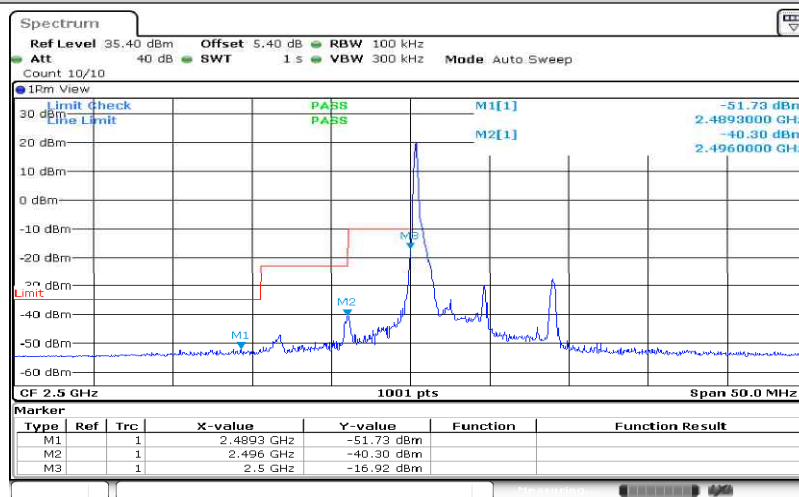
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

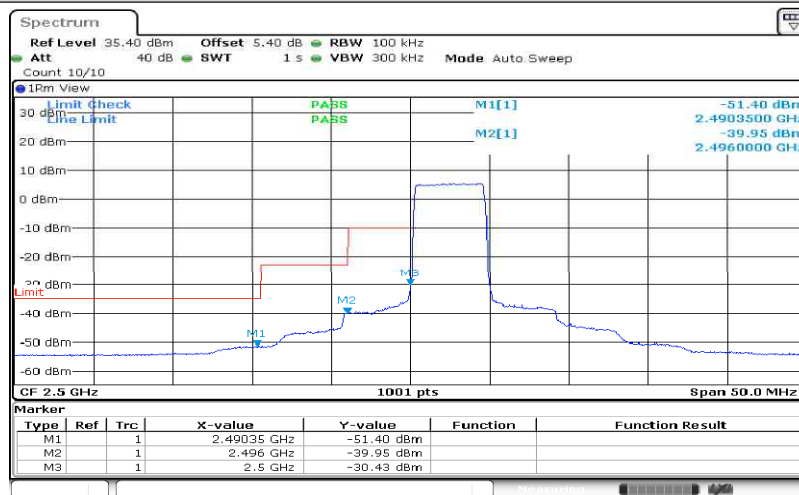
5.1. Test Plots

Band7-5MHz-QPSK-20775-1RB#0



Date: 11 JUN 2020 13:24:14

Band7-5MHz-QPSK-20775-25RB#0



Date: 11 JUN 2020 13:25:48

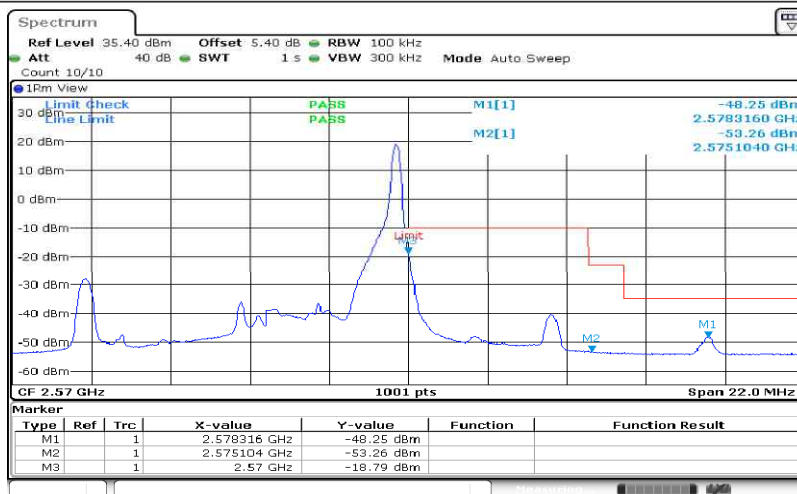


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

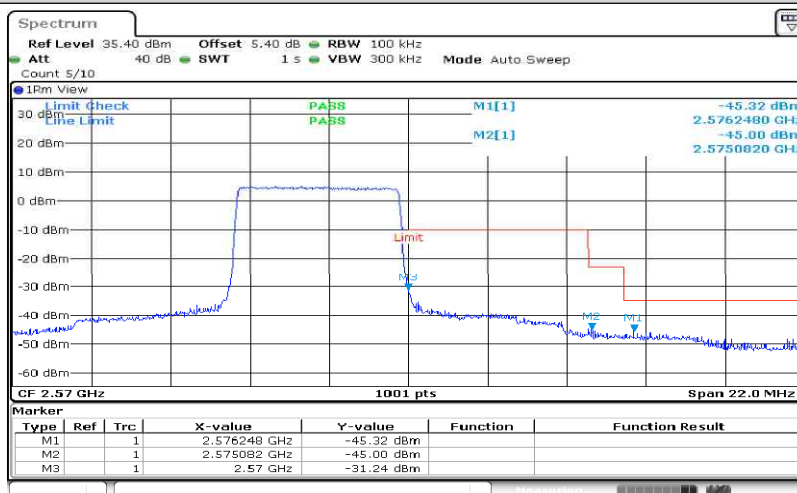
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.ssgsgroup.com.cn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



Band7-5MHz-QPSK-21425-1RB#24



Band7-5MHz-QPSK-21425-25RB#0

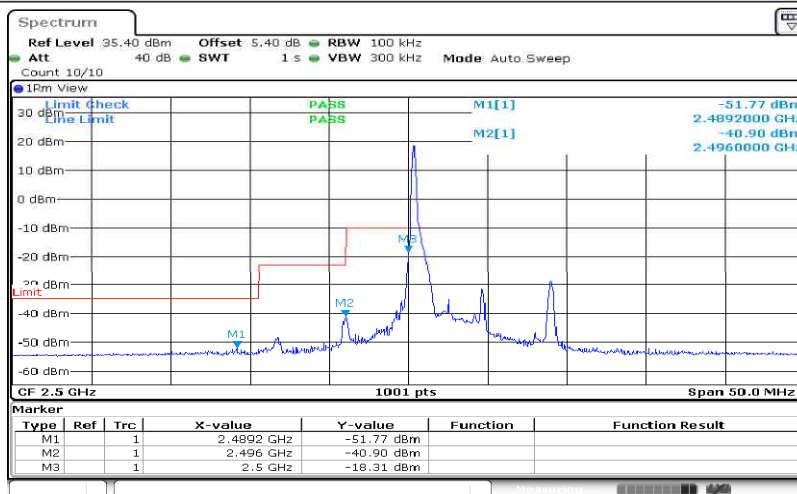


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

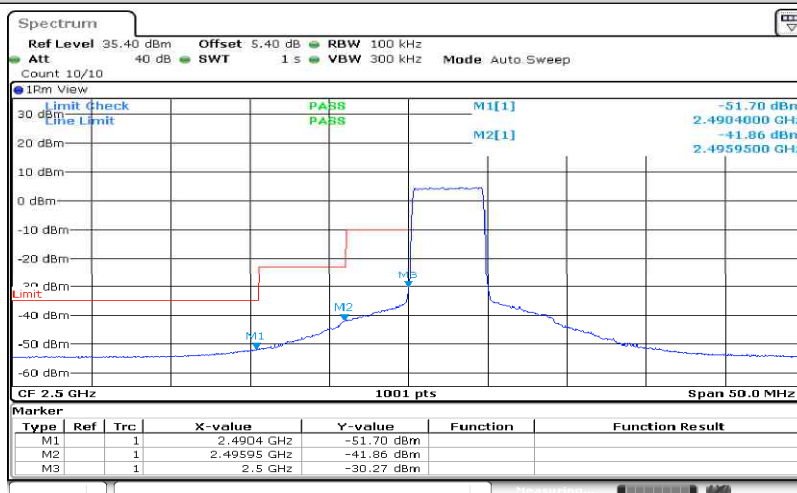


Band7-5MHz-16QAM-20775-1RB#0



Date: 11 JUN 2020 13:24:35

Band7-5MHz-16QAM-20775-25RB#0



Date: 11 JUN 2020 13:26:09

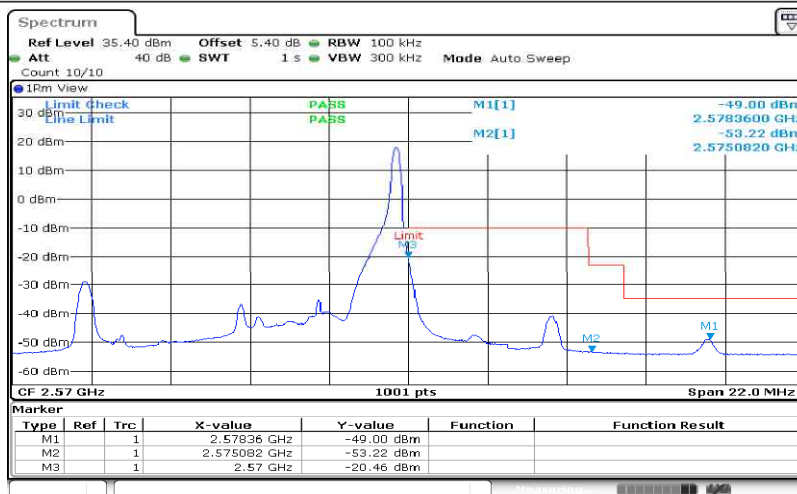


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

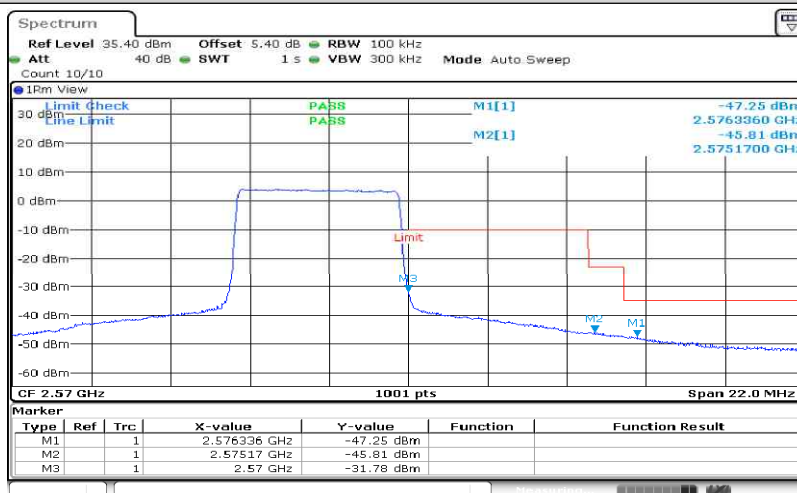
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band7-5MHz-16QAM-21425-1RB#24

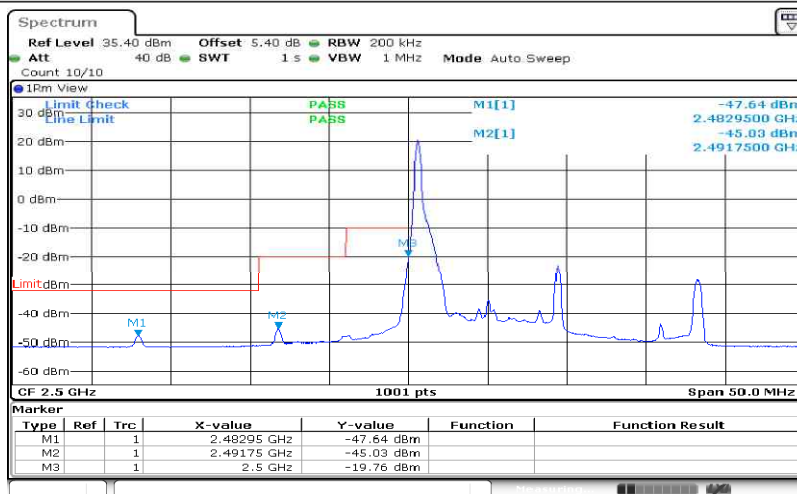


Band7-5MHz-16QAM-21425-25RB#0

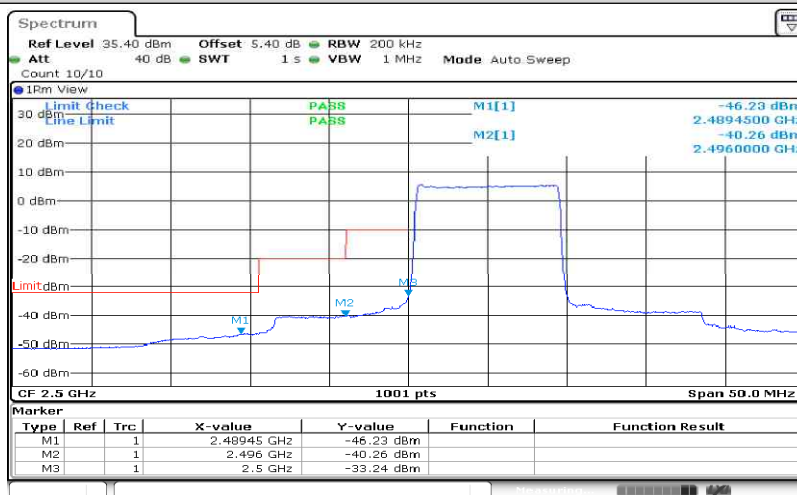




Band7-10MHz-QPSK-20800-1RB#0

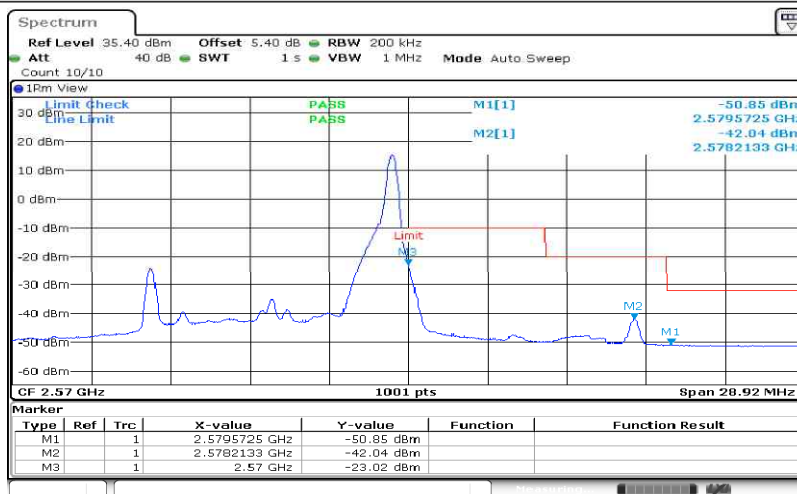


Band7-10MHz-QPSK-20800-50RB#0



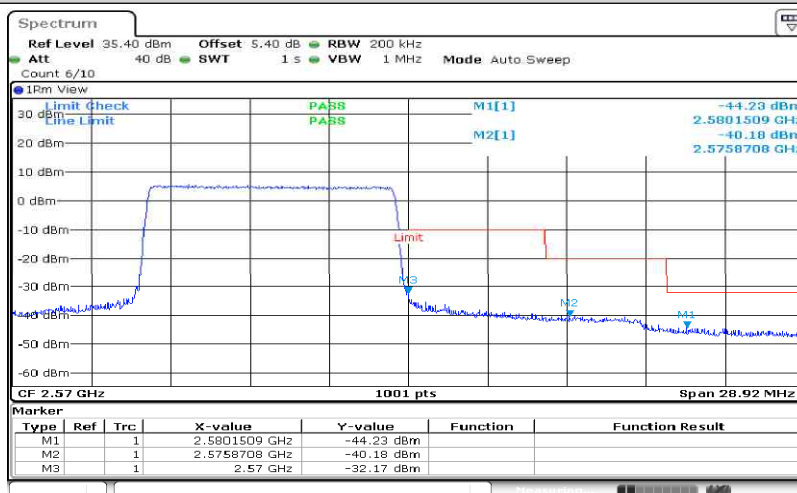


Band7-10MHz-QPSK-21400-1RB#49



Date: 11 JUN 2020 13:28:05

Band7-10MHz-QPSK-21400-50RB#0



Date: 11 JUN 2020 13:29:35



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

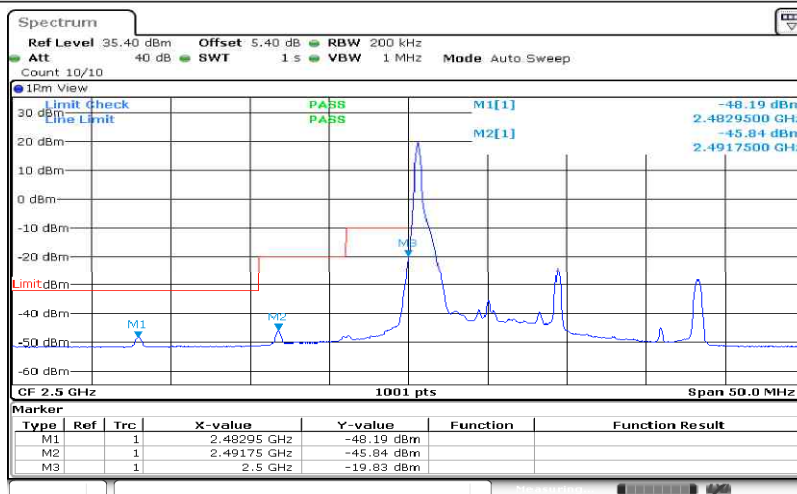
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

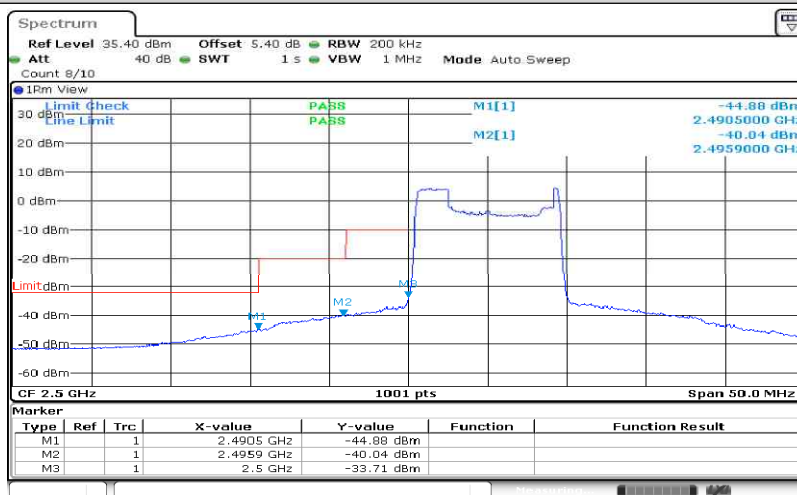
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band7-10MHz-16QAM-20800-1RB#0

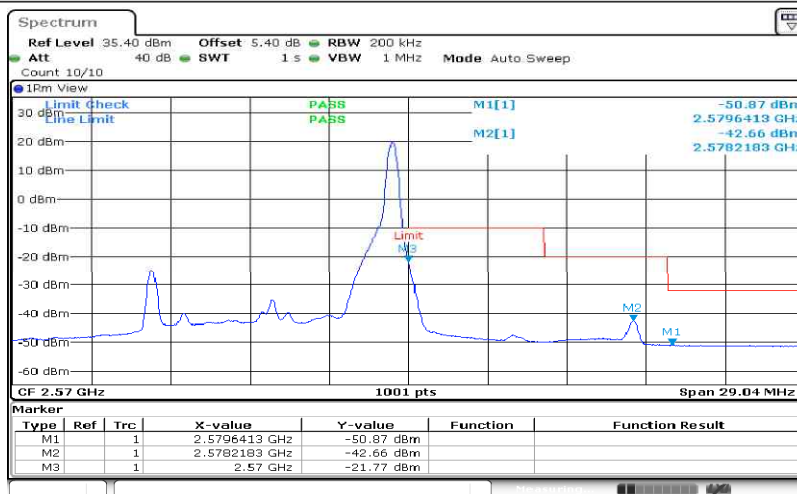


Band7-10MHz-16QAM-20800-50RB#0





Band7-10MHz-16QAM-21400-1RB#49



Band7-10MHz-16QAM-21400-50RB#0

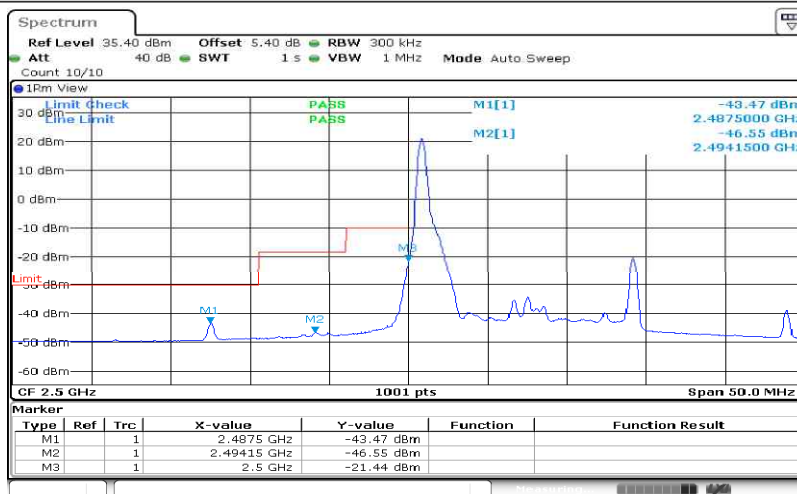


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

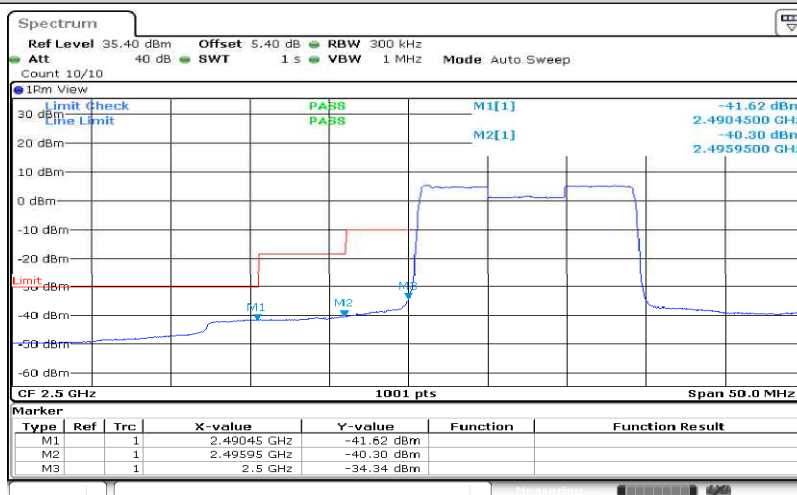
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



Band7-15MHz-QPSK-20825-1RB#0

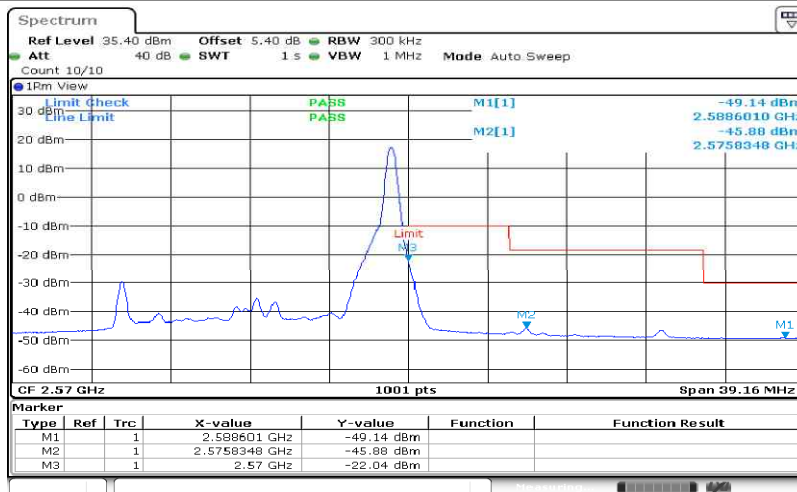


Band7-15MHz-QPSK-20825-75RB#0

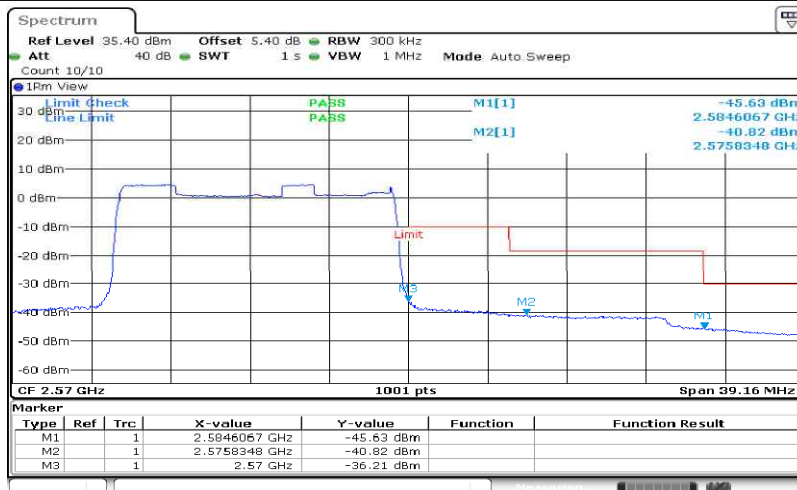




Band7-15MHz-QPSK-21375-1RB#74



Band7-15MHz-QPSK-21375-75RB#0

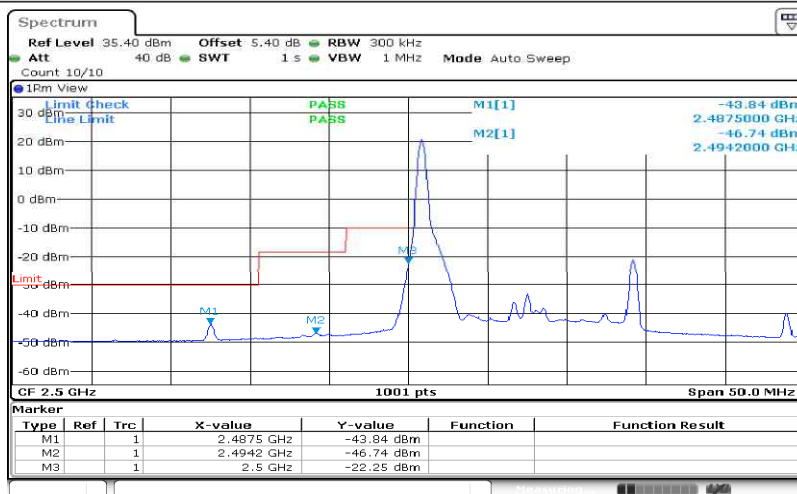


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band7-15MHz-16QAM-20825-1RB#0

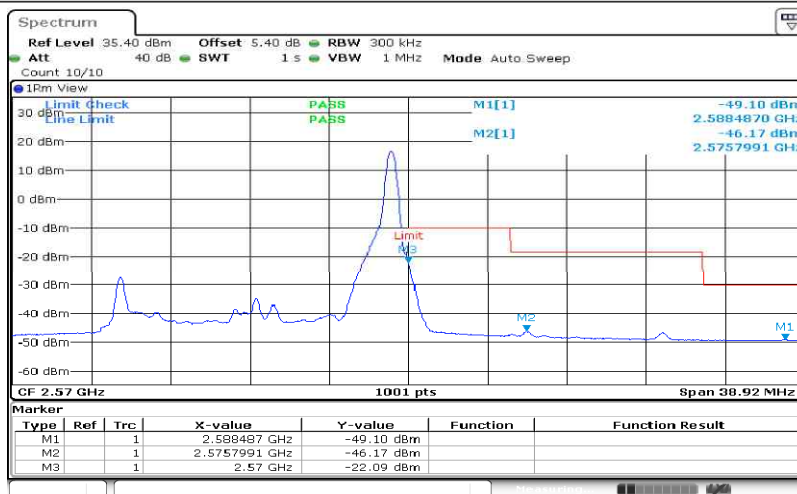


Band7-15MHz-16QAM-20825-75RB#0

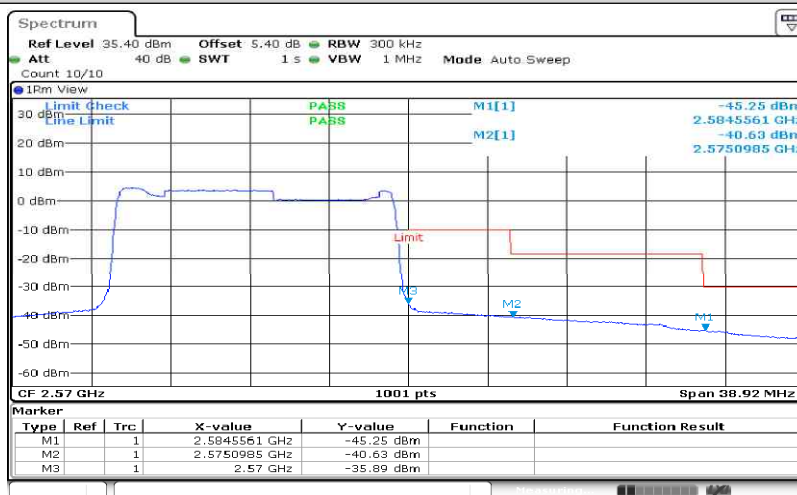




Band7-15MHz-16QAM-21375-1RB#74



Band7-15MHz-16QAM-21375-75RB#0

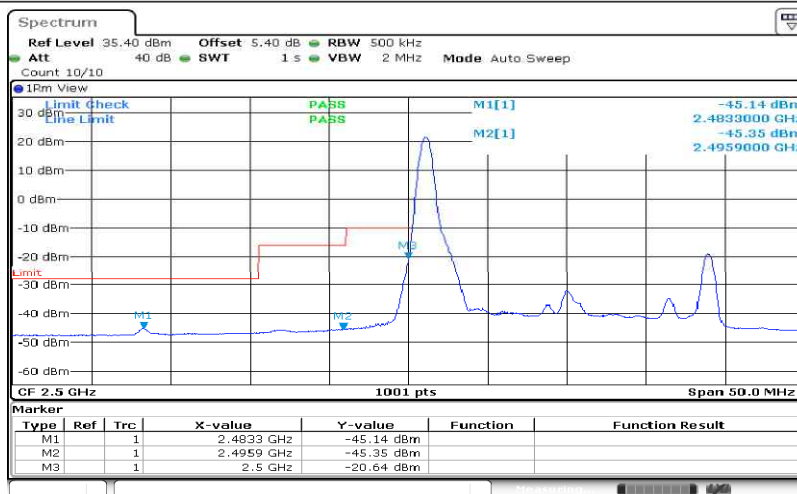


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

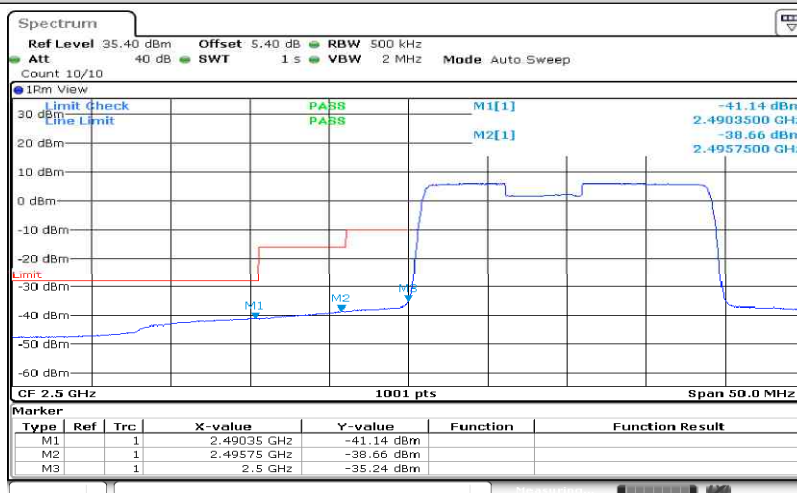


Band7-20MHz-QPSK-20850-1RB#0



Date: 11 JUN 2020 13:33:27

Band7-20MHz-QPSK-20850-100RB#0



Date: 11 JUN 2020 13:35:01



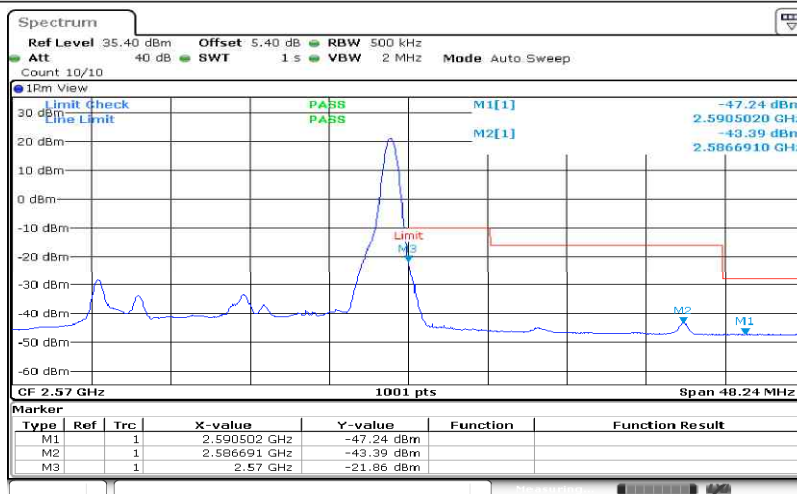
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.

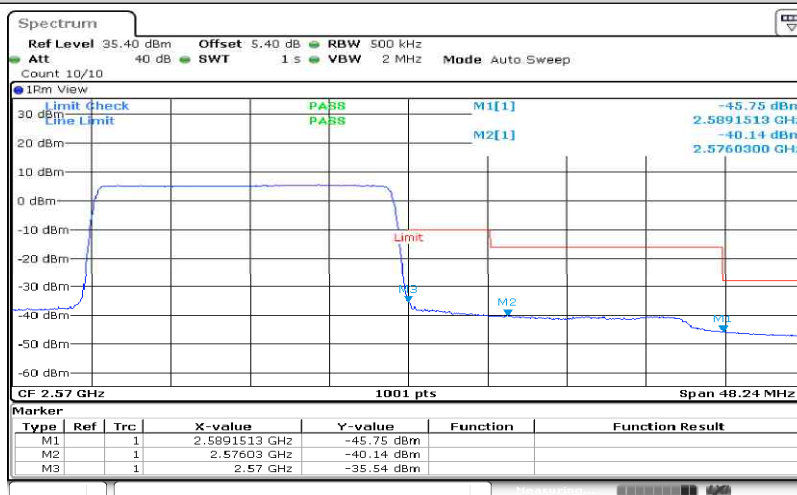
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



Band7-20MHz-QPSK-21350-1RB#99

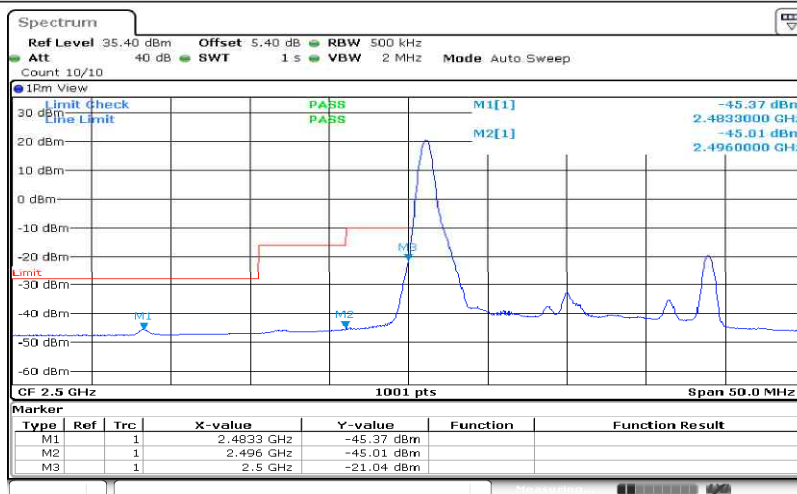


Band7-20MHz-QPSK-21350-100RB#0





Band7-20MHz-16QAM-20850-1RB#0

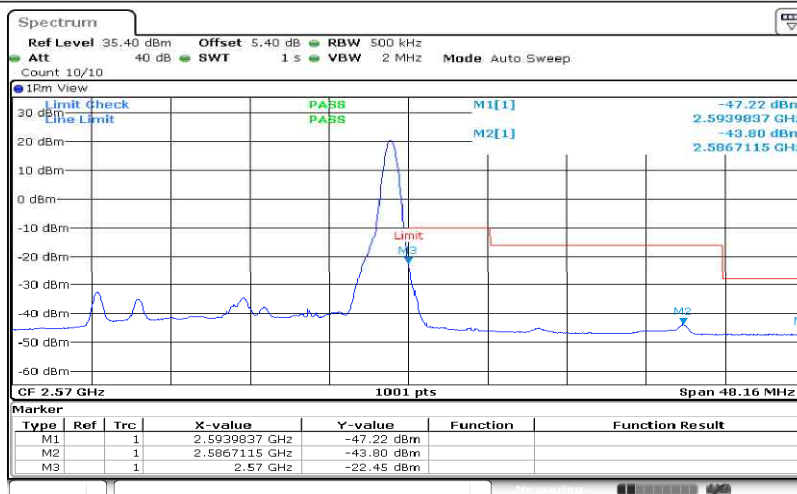


Band7-20MHz-16QAM-20850-100RB#0

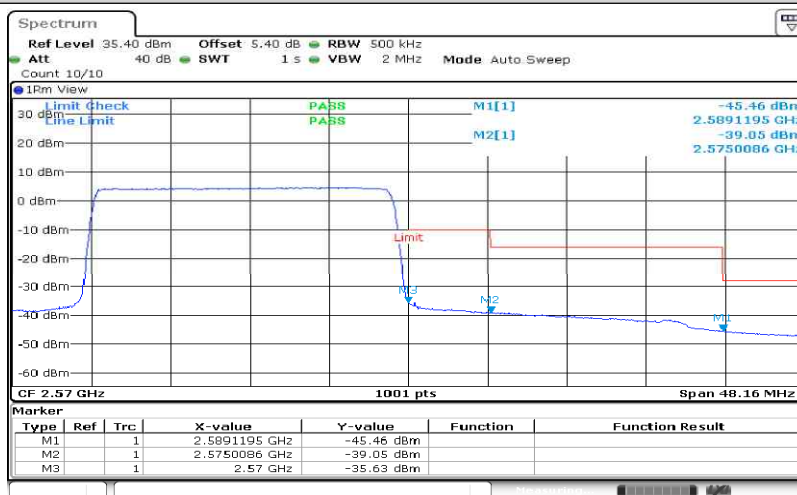




Band7-20MHz-16QAM-21350-1RB#99



Band7-20MHz-16QAM-21350-100RB#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

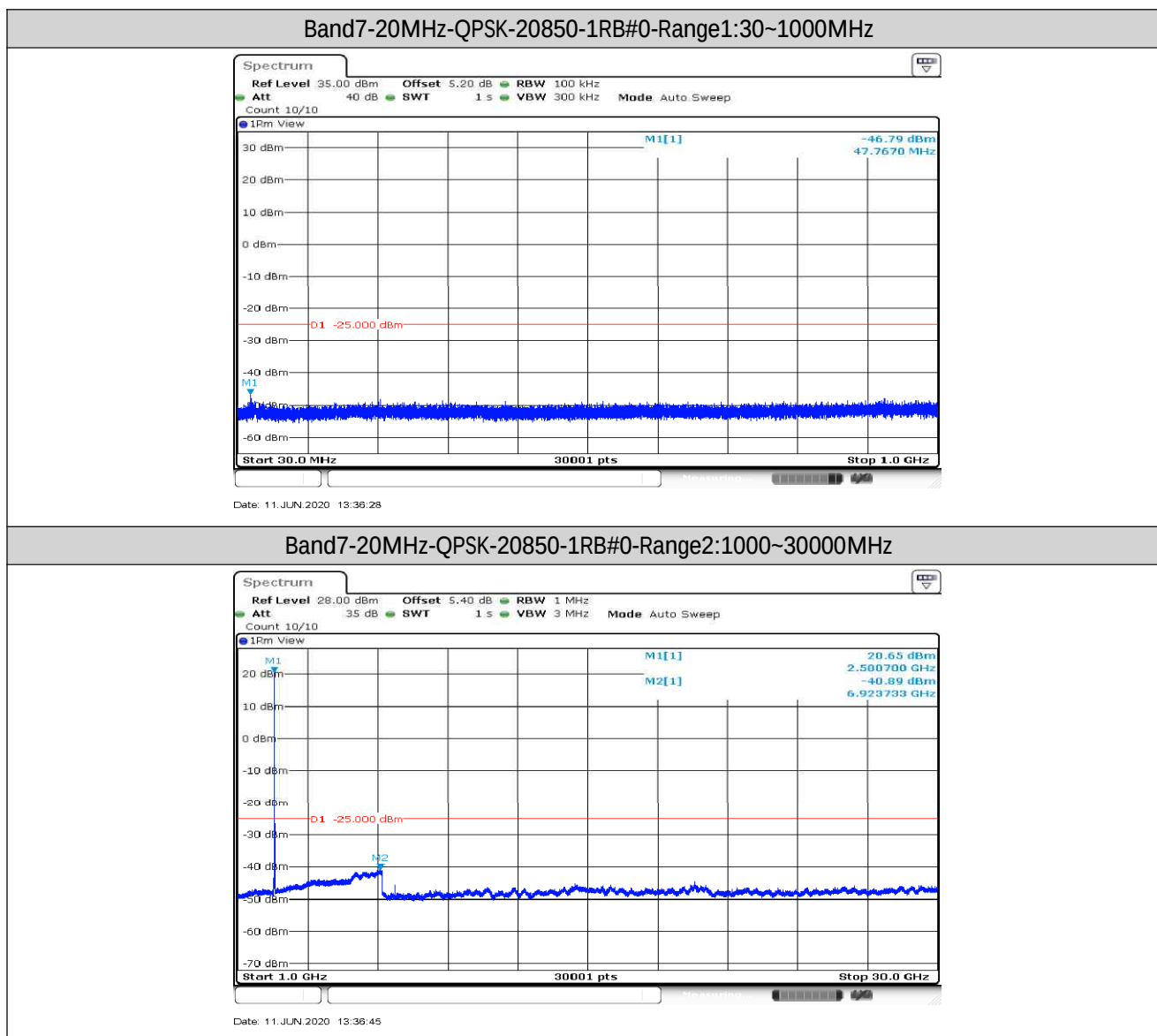


6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Plots



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

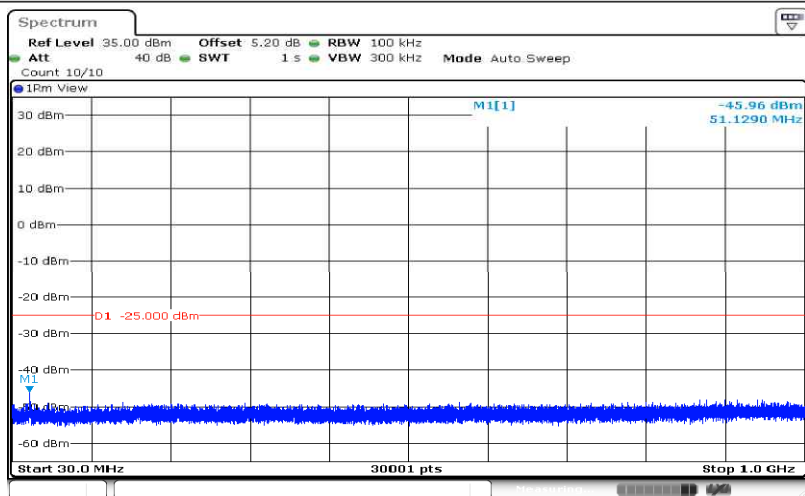
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

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

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

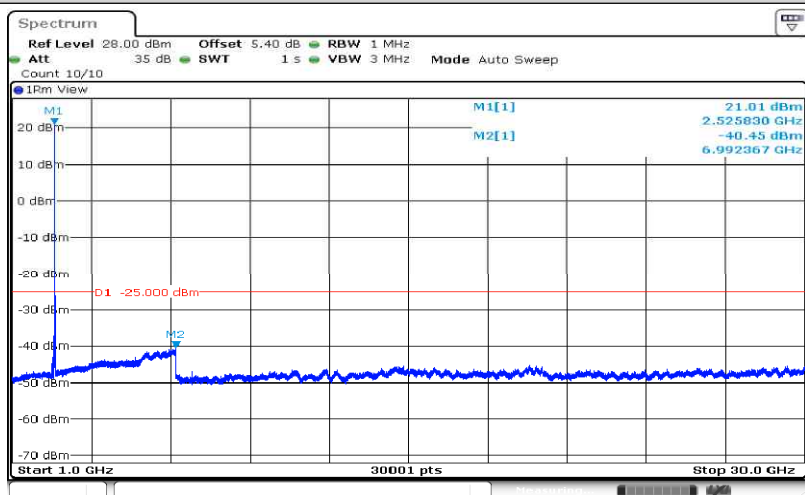


Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 11 JUN 2020 13:37:39

Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 11 JUN 2020 13:37:55



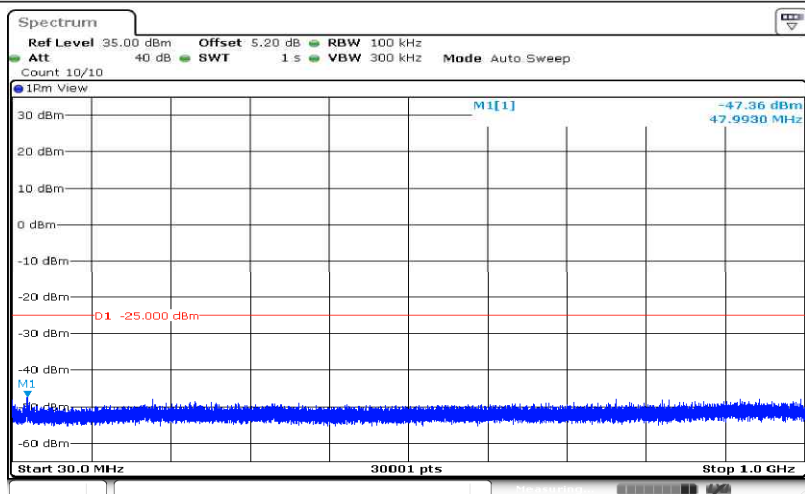
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Laboratory

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-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

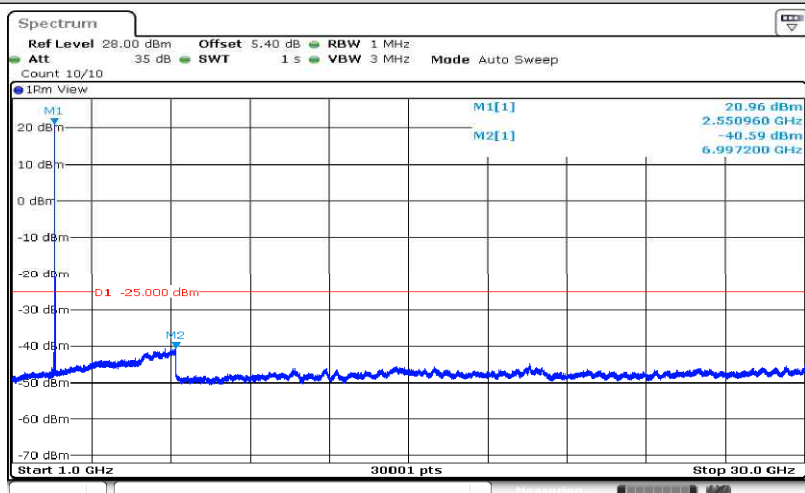


Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 11 JUN 2020 13:38:49

Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 11 JUN 2020 13:39:06



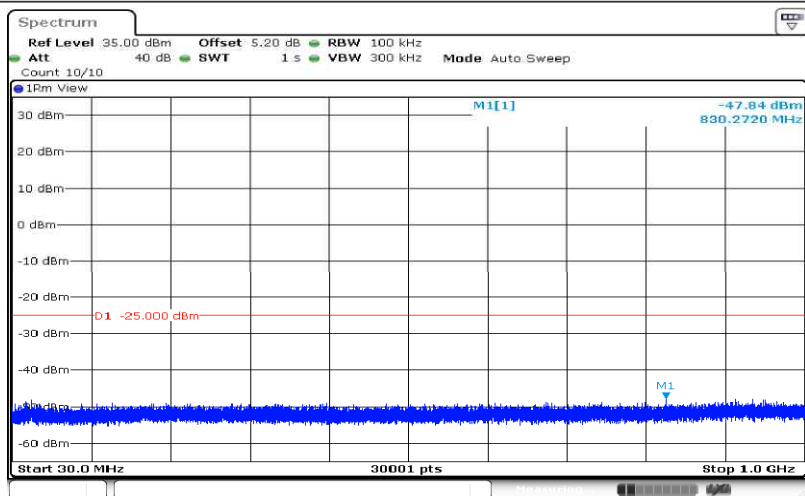
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

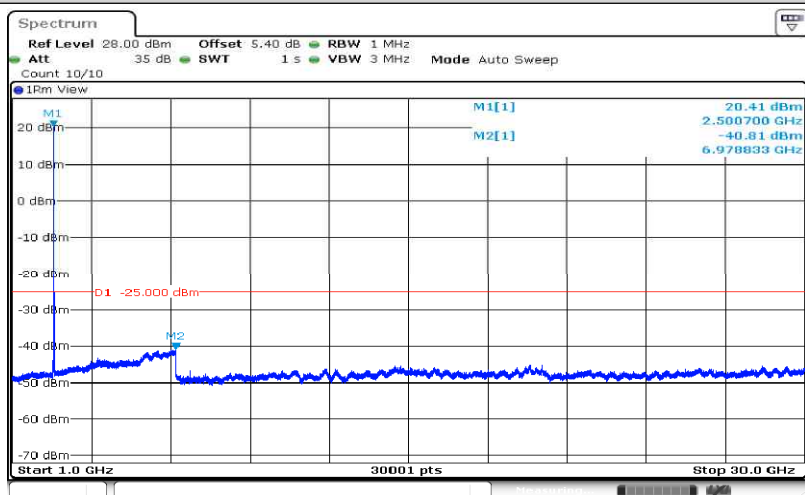


Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 11 JUN 2020 13:37:03

Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 11 JUN 2020 13:37:20



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

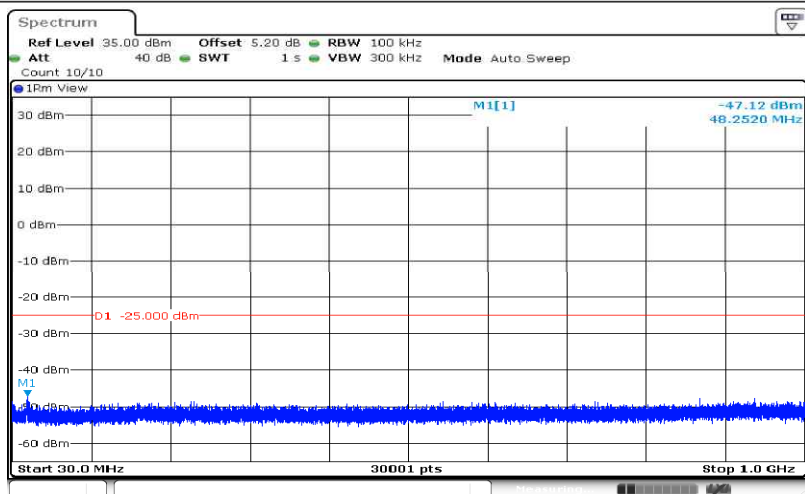
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

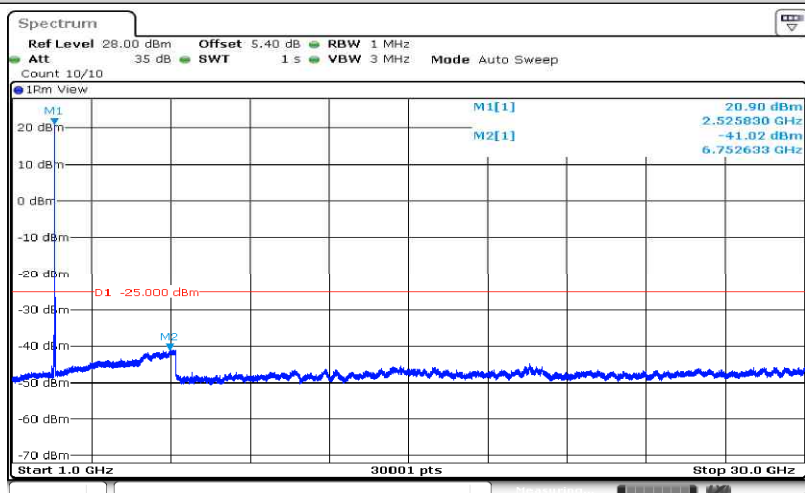


Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 11 JUN 2020 13:38:14

Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 11 JUN 2020 13:38:30



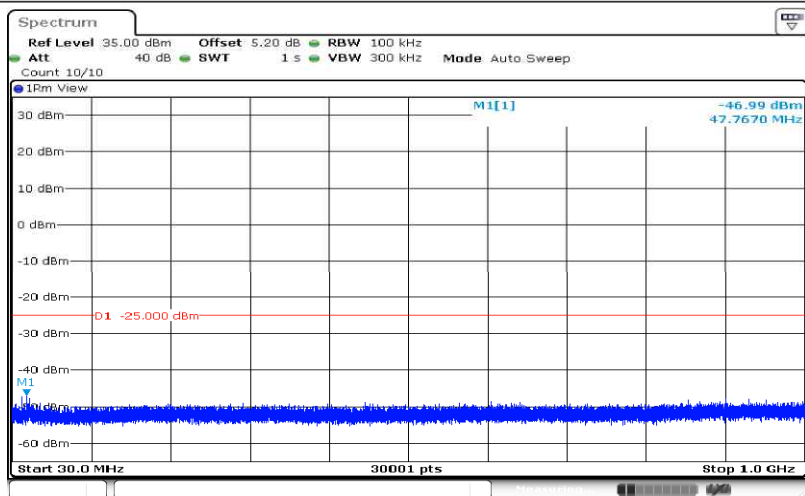
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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-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

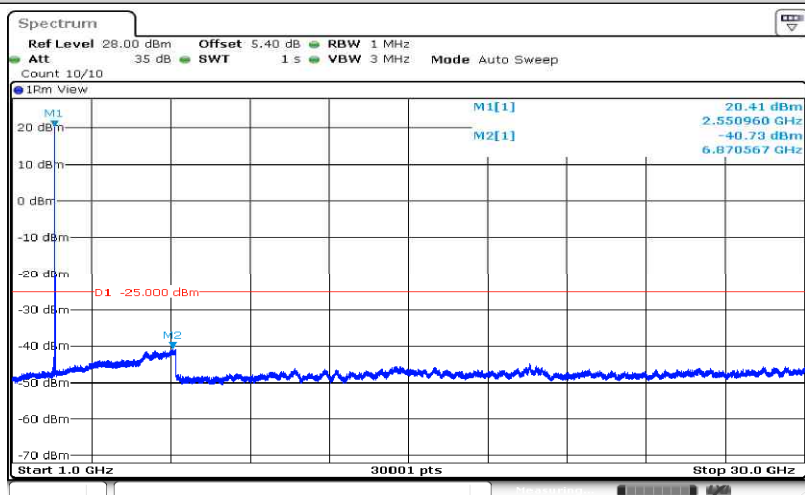


Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 11 JUN 2020 13:39:24

Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 11 JUN 2020 13:39:41



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-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

7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7

7.1.1. Test Mode =LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.7105	-73.28	-25.00	48.28	Vertical
112.3571	-65.27	-25.00	40.27	Vertical
371.8451	-68.07	-25.00	43.07	Vertical
2999.1998	-39.31	-25.00	14.31	Vertical
7356.7743	-57.00	-25.00	32.00	Vertical
17996.9999	-40.31	-25.00	15.31	Vertical
43.7747	-63.60	-25.00	38.60	Horizontal
225.5133	-69.19	-25.00	44.19	Horizontal
395.3688	-68.16	-25.00	43.16	Horizontal
1752.9506	-43.61	-25.00	18.61	Horizontal
7460.5784	-57.91	-25.00	32.91	Horizontal
16360.1344	-44.84	-25.00	19.84	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.8860	-73.22	-25.00	48.22	Vertical
107.3129	-65.19	-25.00	40.19	Vertical
437.2264	-67.42	-25.00	42.42	Vertical
2983.9968	-39.51	-25.00	14.51	Vertical
7349.5740	-57.46	-25.00	32.46	Vertical
17993.9998	-40.64	-25.00	15.64	Vertical
42.0771	-63.70	-25.00	38.70	Horizontal
228.3264	-70.00	-25.00	45.00	Horizontal
581.0846	-63.45	-25.00	38.45	Horizontal
2946.7894	-39.60	-25.00	14.60	Horizontal
7316.5727	-58.48	-25.00	33.48	Horizontal
16406.9363	-44.33	-25.00	19.33	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed on the reverse. All documents, whether or not they are marked as confidential, are the property of the Company and are to be kept confidential and available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> 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 contract from their own responsibilities. The Company's responsibility is limited to the sample(s) tested and sample(s) retained for 30 days only, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

For more information or to request a copy of the full terms and conditions of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, at email: CN.Zhechen@sgs.com

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

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.ssgsgroup.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 ssgs.china@sgs.com



7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.6321	-72.10	-25.00	47.10	Vertical
113.9577	-65.55	-25.00	40.55	Vertical
490.5305	-67.65	-25.00	42.65	Vertical
2991.5983	-39.47	-25.00	14.47	Vertical
8033.0013	-57.32	-25.00	32.32	Vertical
17989.7996	-40.72	-25.00	15.72	Vertical
42.5136	-64.96	-25.00	39.96	Horizontal
243.3137	-68.25	-25.00	43.25	Horizontal
558.6764	-64.28	-25.00	39.28	Horizontal
2993.9988	-39.46	-25.00	14.46	Horizontal
7441.3777	-57.79	-25.00	32.79	Horizontal
16394.9358	-44.15	-25.00	19.15	Horizontal

Remark:

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





8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth h	Modulation	Channel	RB Configur e	Voltage [Vdc]	Tempe rature (°C)	Deviation n (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-8.20	-0.003267	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-3.20	-0.001275	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-6.70	-0.002669	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-9.90	-0.003905	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-8.70	-0.003432	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-12.10	-0.004727	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-5.10	-0.001992	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-4.20	-0.002014	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-2.10	-0.000837	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	1.70	0.000664	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	0.80	0.000313	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-5.00	-0.001953	±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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch / 深圳分公司 / CSTC Laboratory

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



8.2. Frequency Vs Temperature

Band	Bandwidth h	Modulation	Channel l	RB Configur e	Voltage [Vdc]	Tempe rature (°C)	Deviation n (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-8.40	-0.003347	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-12.70	-0.005060	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-2.50	-0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-3.70	-0.001474	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-3.30	-0.001315	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-0.80	-0.000319	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-8.20	-0.003267	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	1.40	0.000552	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-8.80	-0.003471	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-7.80	-0.003077	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-9.30	-0.003669	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-4.80	-0.001893	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.20	-0.001262	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-9.10	-0.003590	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-4.50	-0.001758	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	1.30	0.000508	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-6.60	-0.002578	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-4.30	-0.001680	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-6.70	-0.002617	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	0.60	0.000234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-10.10	-0.003945	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-9.10	-0.003555	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	2.10	0.000837	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-1.90	-0.000757	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	3.70	0.001474	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-1.20	-0.000478	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-7.90	-0.003147	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-3.70	-0.001474	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-9.90	-0.003905	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-10.90	-0.004300	±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



Band7	20MHz	16QAM	21100	100RB#0	NV	0	-9.10	-0.003590	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-9.20	-0.003629	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	2.50	0.000986	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-7.30	-0.002880	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-5.80	-0.002266	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-4.80	-0.001875	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-16.50	-0.006445	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-4.20	-0.001641	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-5.20	-0.002031	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-0.80	-0.000313	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-5.60	-0.002188	±2.5	PASS



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

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