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

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

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 3

1.1. TEST RESULT 3

2. PEAK-TO-AVERAGE RATIO (CCDF) 11

2.1. TEST RESULT 11

2.2. TEST PLOTS 11

3. MODULATION CHARACTERISTICS 16

3.1. TEST MODE = LTE /TM1 20MHZ 16

3.1.1. TEST CHANNEL = MCH 16

3.2. TEST MODE = LTE /TM2 20MHZ 17

3.2.1. TEST CHANNEL = MCH 17

3.3. TEST MODE = LTE /TM3 20MHZ 18

3.3.1. TEST CHANNEL = MCH 18

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH 19

4.1. TEST RESULT 19

4.2. TEST PLOTS 20

5. BAND EDGE COMPLIANCE 39

5.1. TEST PLOTS 39

6. SPURIOUS EMISSION AT ANTENNA TERMINAL 64

6.1. TEST PLOTS 64

7. FIELD STRENGTH OF SPURIOUS RADIATION 74

7.1. TEST MODE =LTE/TM1 20MHZ 74

7.1.1. TEST CHANNEL = LCH 74

7.1.2. TEST CHANNEL = MCH 74

7.1.3. TEST CHANNEL = HCH 75

8. FREQUENCY STABILITY 76

8.1. FREQUENCY VS VOLTAGE 76

8.2. FREQUENCY VS TEMPERATURE 77

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 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	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.09	27.09	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.18	27.18	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.19	27.19	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.27	26.27	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.23	26.23	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.30	26.3	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.32	26.32	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.22	27.22	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.18	27.18	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.20	27.2	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.29	26.29	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.27	26.27	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.32	26.32	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.34	26.34	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.00	27	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.96	26.96	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.05	27.05	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.12	26.12	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.16	26.16	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.11	26.11	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.15	26.15	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	22.22	26.22	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	22.41	26.41	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	22.28	26.28	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	21.32	25.32	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	21.38	25.38	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	21.37	25.37	33	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
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
Member of the SGS Group (SGS SA)

Band7	5MHz	64QAM	20775	25RB#0	21.36	25.36	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	22.35	26.35	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	22.43	26.43	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	22.34	26.34	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	21.44	25.44	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	21.41	25.41	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	21.37	25.37	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	21.46	25.46	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	22.69	26.69	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	22.69	26.69	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	22.62	26.62	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	21.72	25.72	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	21.69	25.69	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	21.69	25.69	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	21.71	25.71	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.25	26.25	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.29	26.29	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.33	26.33	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.31	25.31	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.28	25.28	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.20	25.2	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.25	25.25	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.30	26.3	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.32	26.32	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.33	26.33	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.19	25.19	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.32	25.32	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.25	25.25	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.26	25.26	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.16	26.16	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.17	26.17	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.29	26.29	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.14	25.14	33	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
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
Member of the SGS Group (SGS SA)

Band7	5MHz	16QAM	21425	12RB#6	21.15	25.15	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.17	25.17	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.06	25.06	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.12	27.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.99	26.99	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.12	27.12	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.25	26.25	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.26	26.26	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.28	26.28	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.25	26.25	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.00	27	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.08	27.08	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.18	27.18	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.27	26.27	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.33	26.33	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.26	26.26	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.28	26.28	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.96	26.96	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.90	26.9	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.00	27	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.06	26.06	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.12	26.12	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.15	26.15	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.14	26.14	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	22.19	26.19	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	22.27	26.27	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	22.27	26.27	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	21.34	25.34	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	21.31	25.31	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	21.27	25.27	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	21.31	25.31	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	22.32	26.32	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	22.34	26.34	33	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

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	64QAM	21100	1RB#24	22.25	26.25	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	21.39	25.39	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	21.38	25.38	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	21.34	25.34	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	21.36	25.36	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	22.79	26.79	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	22.65	26.65	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	22.55	26.55	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	21.62	25.62	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	21.70	25.7	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	21.68	25.68	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	21.68	25.68	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.36	26.36	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.23	26.23	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.39	26.39	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.19	25.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.19	25.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.21	25.21	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.17	25.17	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.30	26.3	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.27	26.27	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.11	26.11	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.20	25.2	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.13	25.13	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.23	25.23	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.19	25.19	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.29	26.29	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.14	26.14	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.08	26.08	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.11	25.11	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.11	25.11	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.03	25.03	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.07	25.07	33	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

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	15MHz	QPSK	20825	1RB#74	23.24	27.24	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.26	27.26	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.27	27.27	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.41	26.41	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.38	26.38	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.35	26.35	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.38	26.38	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.24	27.24	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.22	27.22	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.21	27.21	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.43	26.43	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.40	26.4	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.34	26.34	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.39	26.39	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.23	27.23	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.15	27.15	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.11	27.11	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.34	26.34	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.28	26.28	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.24	26.24	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.30	26.3	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	22.36	26.36	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	22.40	26.4	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	22.38	26.38	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	21.35	25.35	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	21.39	25.39	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	21.43	25.43	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	21.39	25.39	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	22.37	26.37	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	22.40	26.4	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	22.43	26.43	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	21.41	25.41	33	PASS
Band7	15MHz	64QAM	21100	36RB#0	21.45	25.45	33	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
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
Member of the SGS Group (SGS SA)

Band7	15MHz	64QAM	21100	36RB#18	21.46	25.46	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	21.44	25.44	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	22.86	26.86	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	22.75	26.75	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	22.83	26.83	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	21.77	25.77	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	21.76	25.76	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	21.75	25.75	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	21.80	25.8	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.49	26.49	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.42	26.42	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.57	26.57	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.32	25.32	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.38	25.38	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.39	25.39	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.38	25.38	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.37	26.37	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.35	26.35	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.35	26.35	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.33	25.33	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.35	25.35	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.31	25.31	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.33	25.33	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.49	26.49	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.29	26.29	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.24	26.24	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.30	25.3	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.32	25.32	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.25	25.25	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.28	25.28	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.29	27.29	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.26	27.26	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.31	27.31	33	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
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
Member of the SGS Group (SGS SA)

Band7	20MHz	QPSK	20850	50RB#25	22.48	26.48	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.40	26.4	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.49	26.49	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.38	26.38	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.19	27.19	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.32	27.32	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.27	27.27	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.47	26.47	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.44	26.44	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.44	26.44	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.45	26.45	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.15	27.15	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.33	27.33	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.04	27.04	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.37	26.37	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.44	26.44	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.24	26.24	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.31	26.31	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	22.47	26.47	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	22.39	26.39	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	22.38	26.38	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	21.48	25.48	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	21.46	25.46	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	21.47	25.47	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	21.43	25.43	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	22.46	26.46	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	22.37	26.37	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	22.39	26.39	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	21.49	25.49	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	21.53	25.53	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	21.50	25.5	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	21.44	25.44	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	22.66	26.66	33	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

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	20MHz	64QAM	21350	1RB#0	22.71	26.71	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	22.72	26.72	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	21.78	25.78	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	21.73	25.73	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	21.79	25.79	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	21.73	25.73	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.50	26.5	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.60	26.6	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.55	26.55	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.36	25.36	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.42	25.42	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.48	25.48	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.40	25.4	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.47	26.47	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.47	26.47	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.37	26.37	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.40	25.4	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.37	25.37	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.34	25.34	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.34	25.34	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.48	26.48	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.31	26.31	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.40	26.4	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.20	25.2	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.36	25.36	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.42	25.42	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.31	25.31	33	PASS

Remark:

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

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

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

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

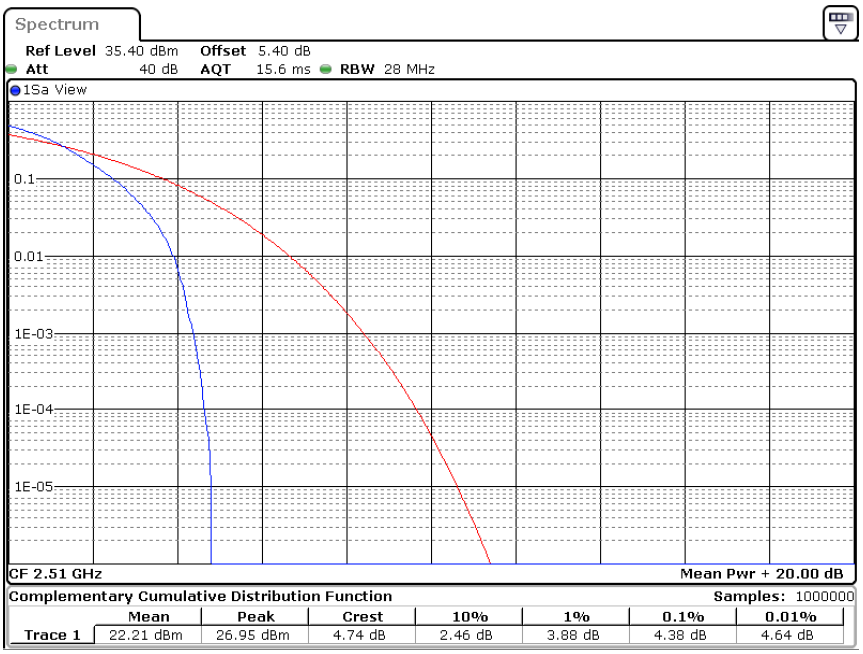
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.38	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.29	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.35	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	5.62	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	4.99	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	5.74	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.48	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.33	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.45	13	PASS

2.2. Test Plots

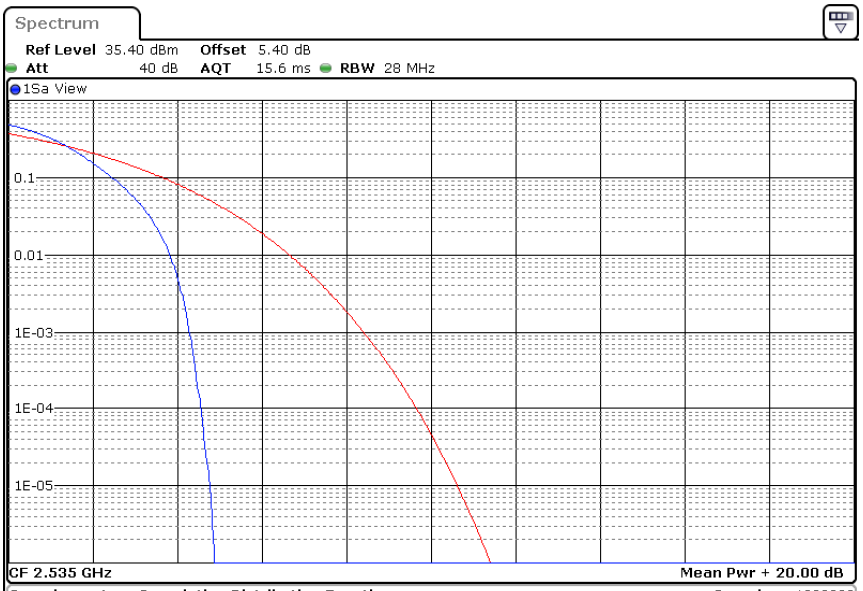
Band7-20MHz-QPSK-20850-100RB#0



Date: 16.JUL.2020 05:10:40

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 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
Member of the SGS Group (SGS SA)

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

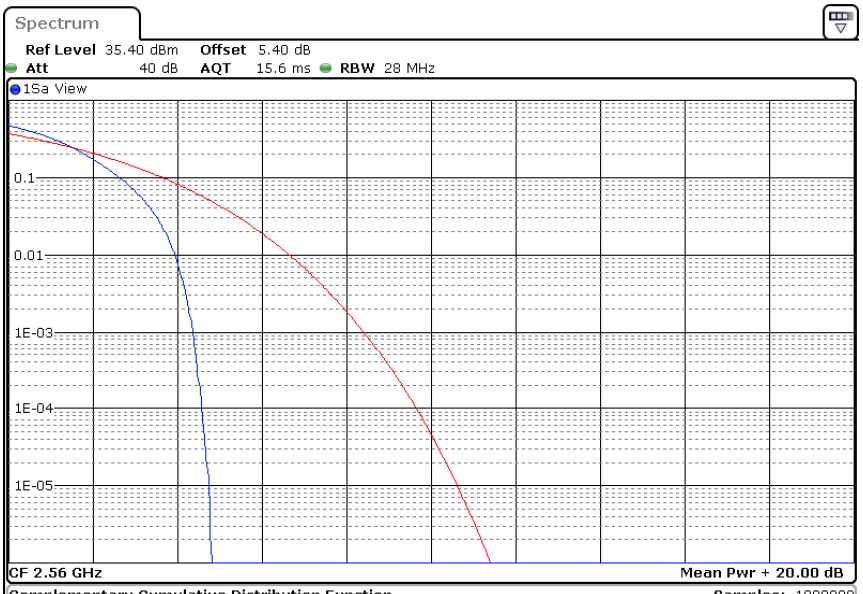


Complementary Cumulative Distribution Function Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.79 dBm	26.63 dBm	4.85 dB	2.43 dB	3.83 dB	4.29 dB	4.55 dB

Date: 16.JUL.2020 05:11:03

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



Complementary Cumulative Distribution Function Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	22.47 dBm	27.26 dBm	4.79 dB	2.61 dB	3.94 dB	4.35 dB	4.58 dB

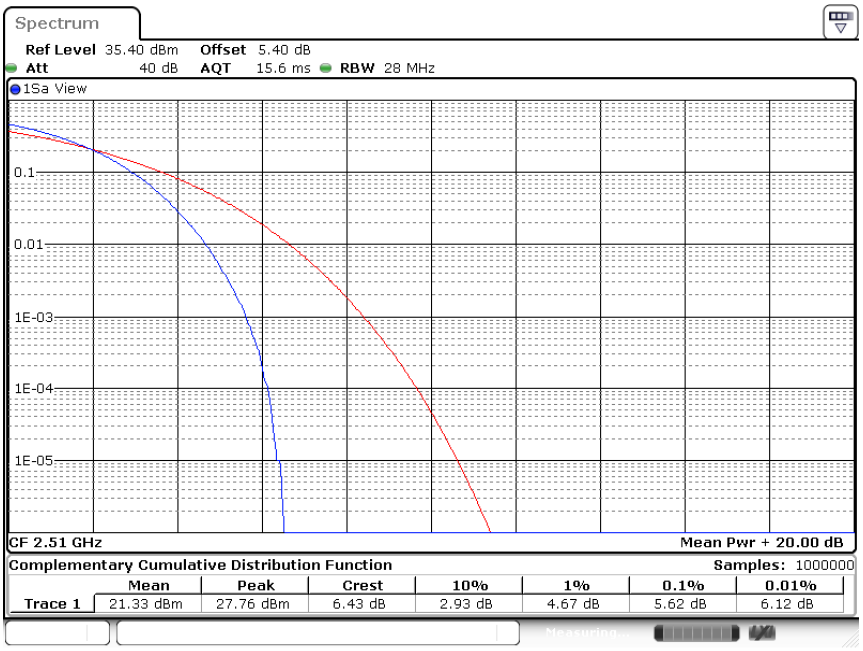
Date: 16.JUL.2020 05:11:26

通标标准技术服务有限公司深圳分公司
检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co.,Ltd.
Shenzhen Branch Testing Center EEC 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

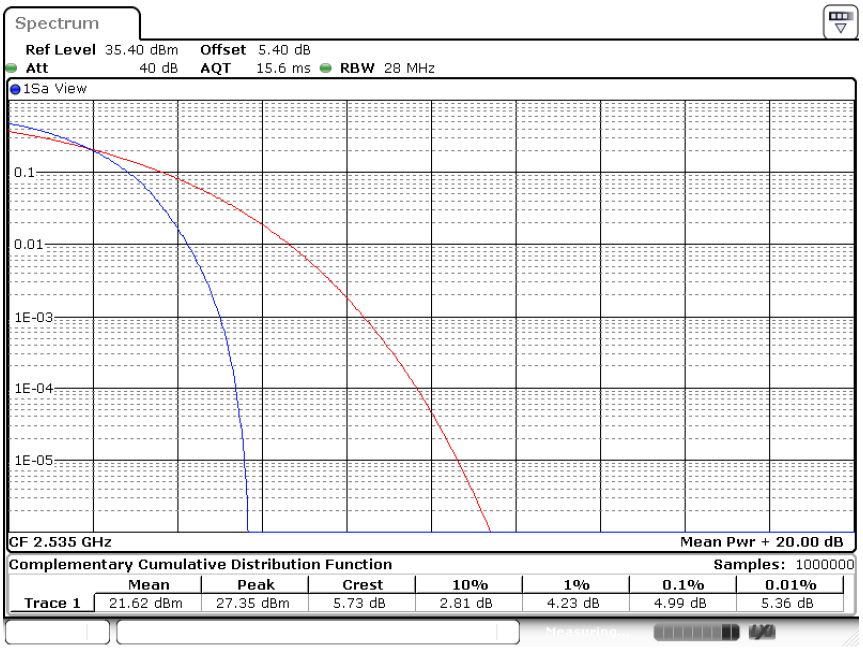
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-20MHz-64QAM-20850-100RB#0



Date: 11.AUG.2020 00:11:32

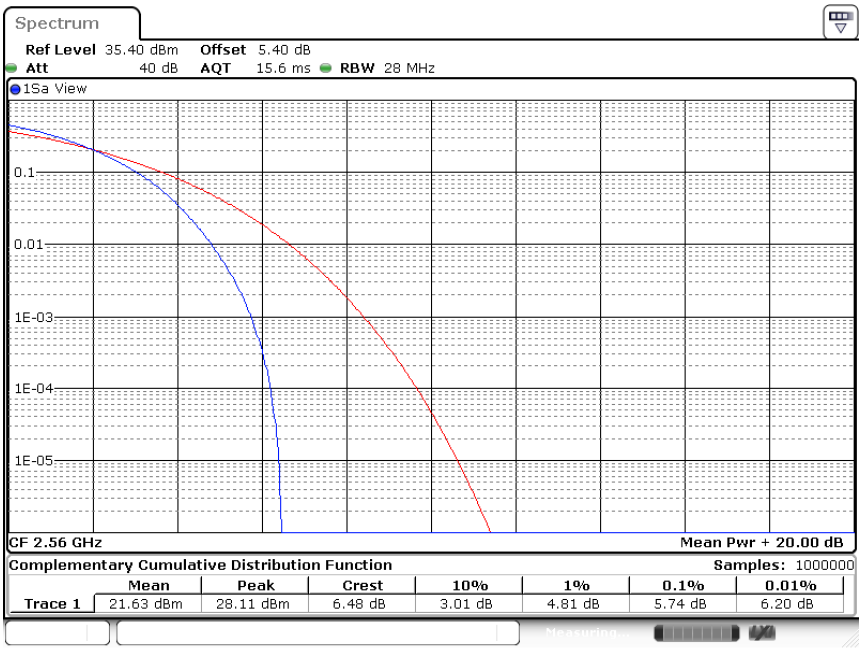
Band7-20MHz-64QAM-21100-100RB#0



Date: 11.AUG.2020 00:11:43

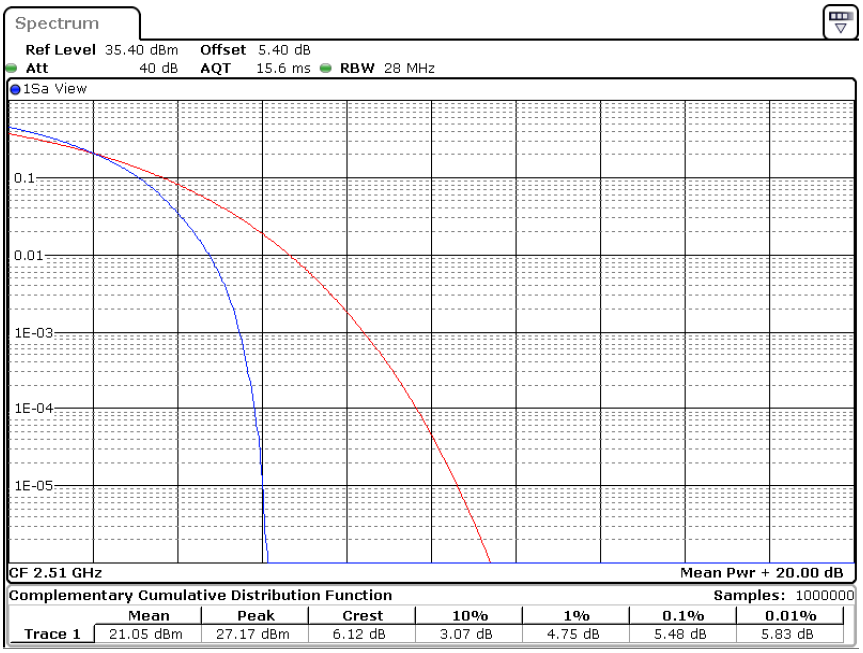
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-21350-100RB#0



Date: 11.AUG.2020 00:11:55

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

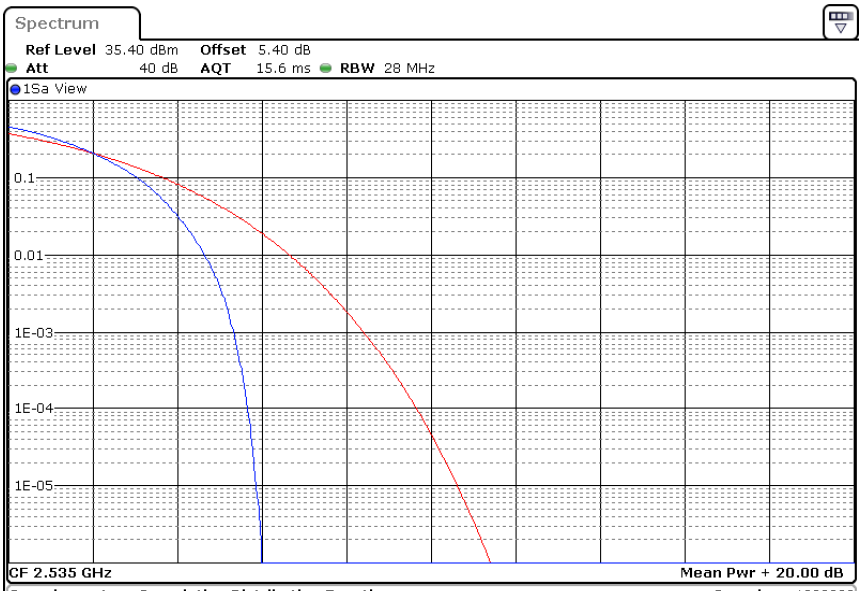


Date: 16.JUL.2020 05:10:51

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 Testing Center EEC 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-21100-100RB#0

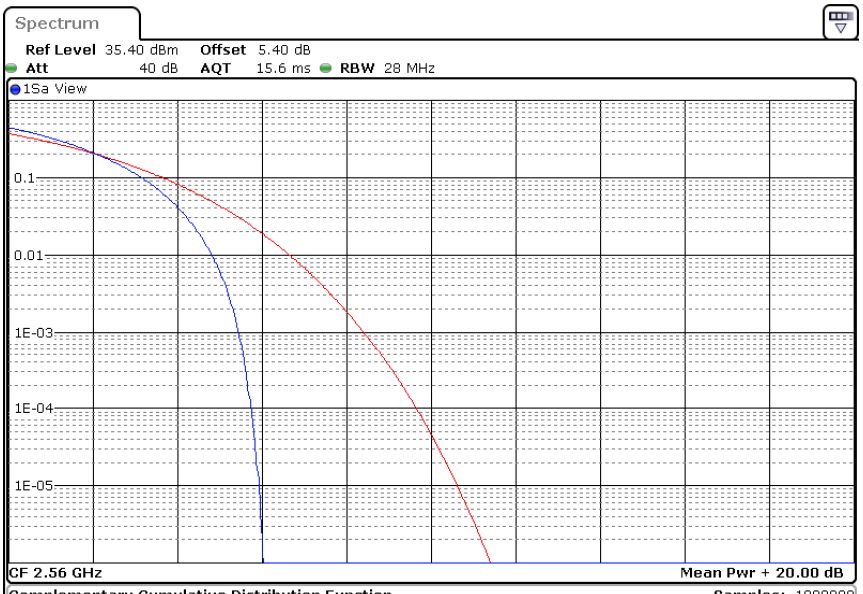


Complementary Cumulative Distribution Function Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.78 dBm	26.78 dBm	6.00 dB	3.04 dB	4.64 dB	5.33 dB	5.65 dB

Date: 16.JUL.2020 05:11:15

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



Complementary Cumulative Distribution Function Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.47 dBm	27.50 dBm	6.03 dB	3.13 dB	4.81 dB	5.45 dB	5.74 dB

Date: 16.JUL.2020 05:11:38

通标标准技术服务有限公司深圳分公司
检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co.,Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

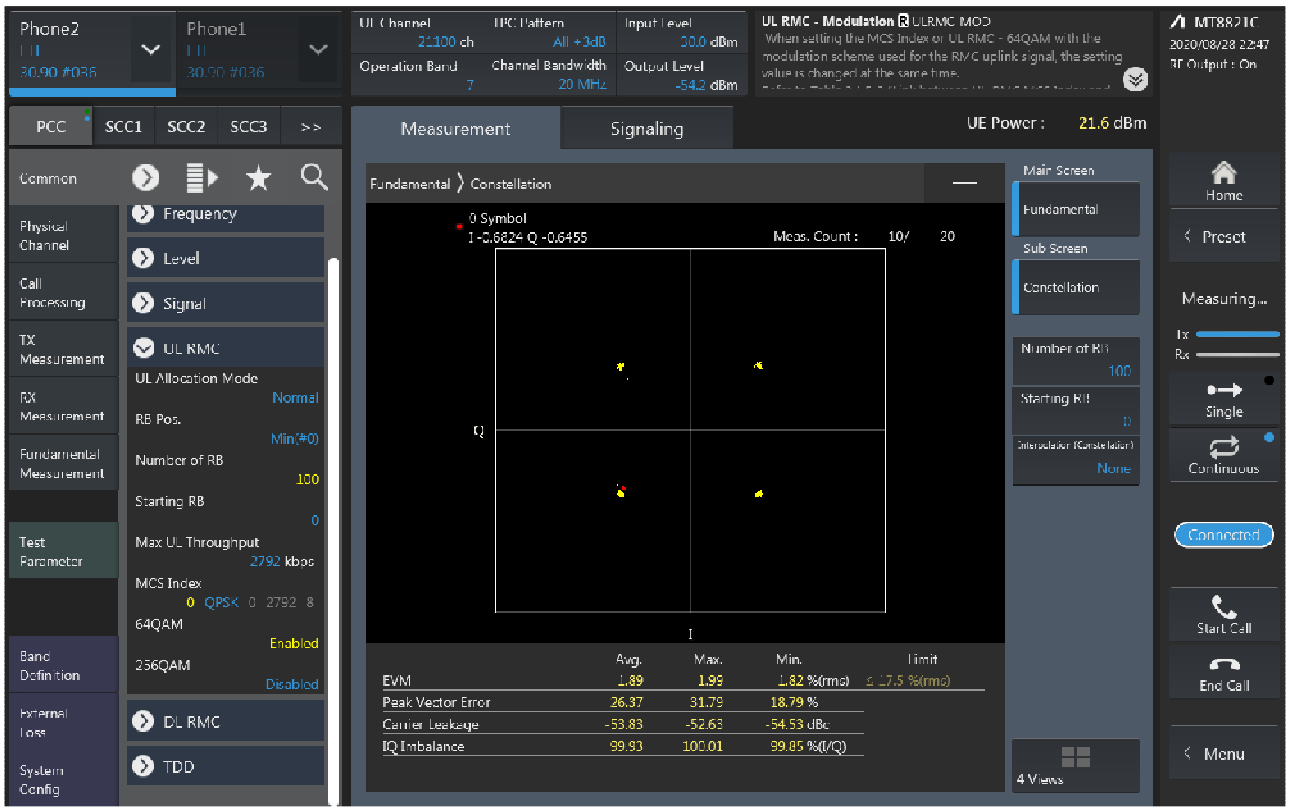
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

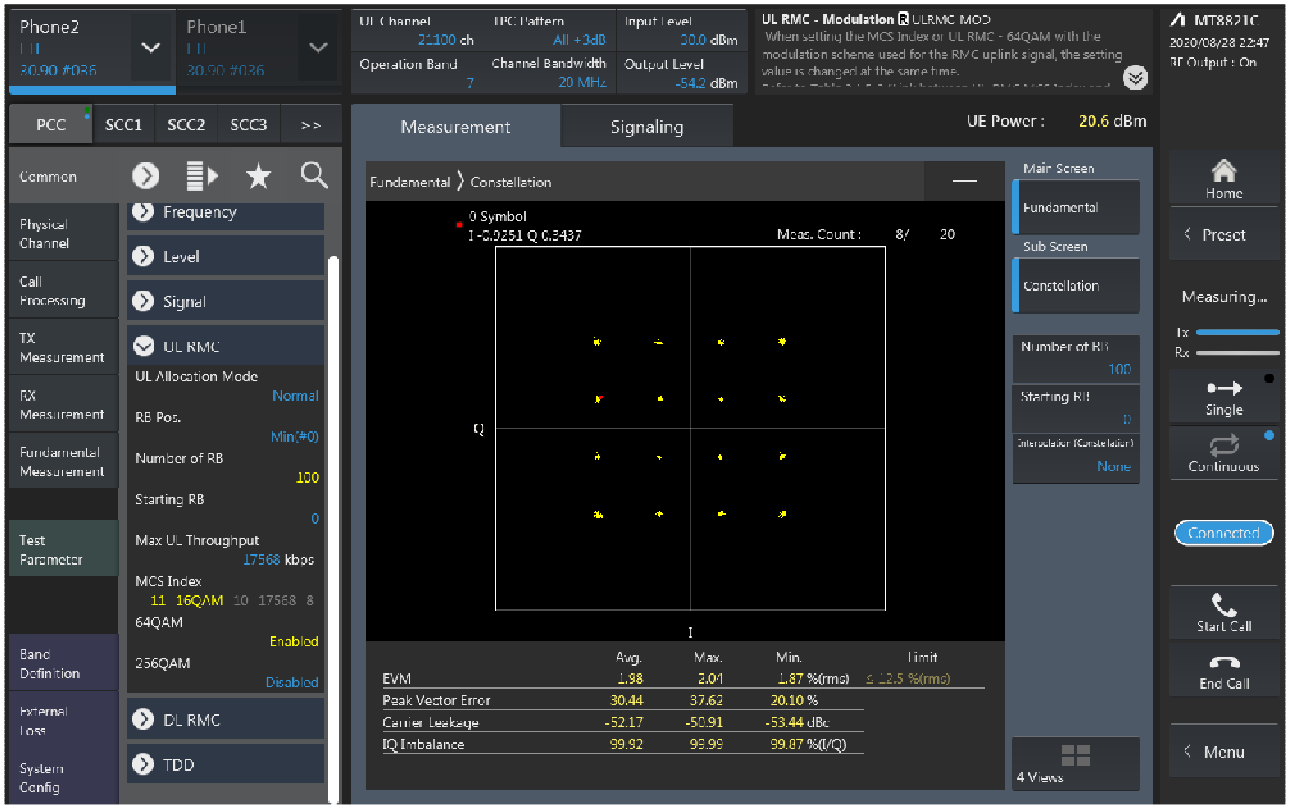
3.1.1.Test Channel = MCH



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

3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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

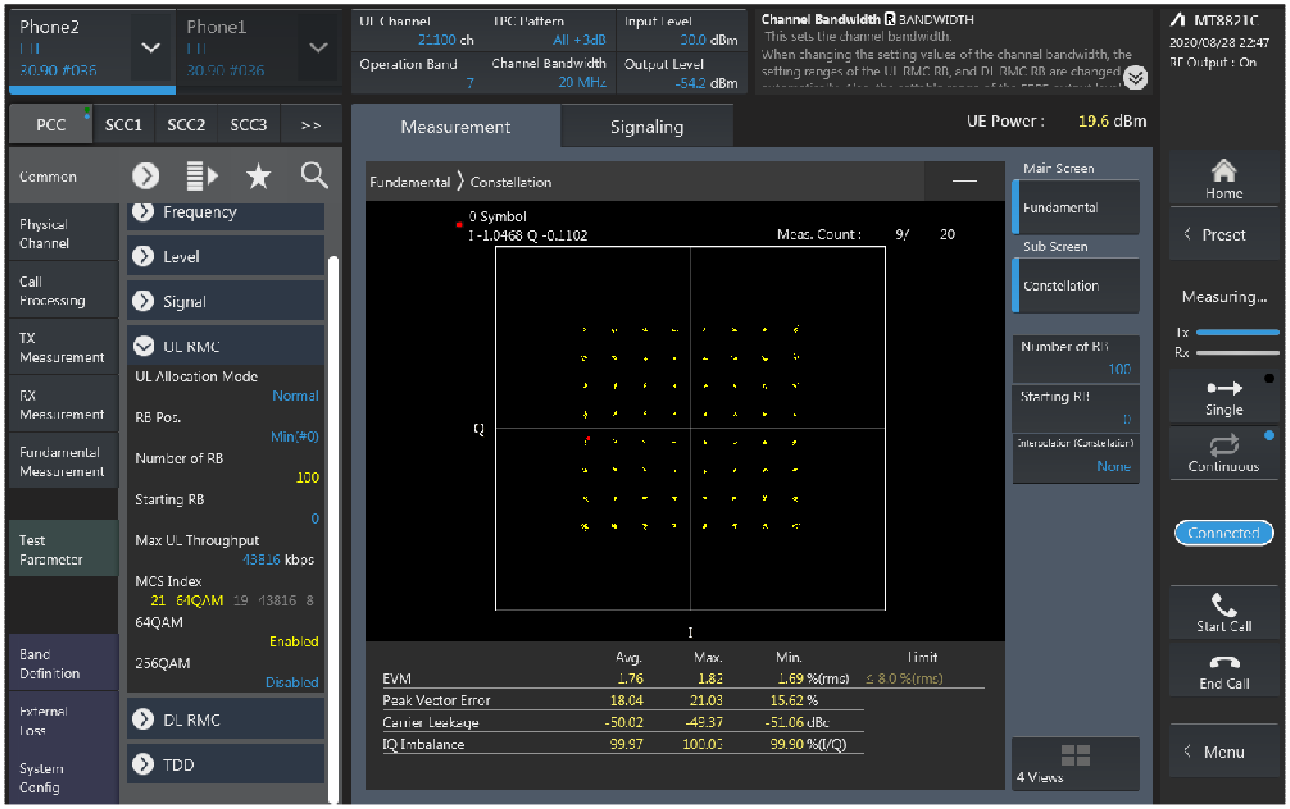
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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

Member of the SGS Group (SGS SA)

3.3. Test Mode = LTE /TM3 20MHz

3.3.1.Test Channel = MCH



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

Member of the SGS Group (SGS SA)

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

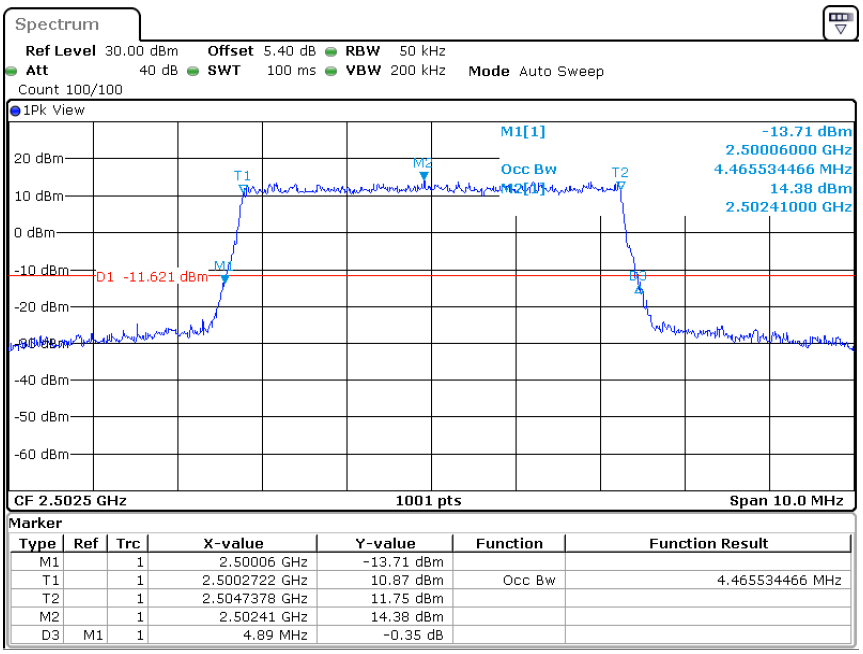
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.890	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.870	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.466	4.880	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.720	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.496	5.030	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.486	4.800	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.890	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.920	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.620	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.640	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.660	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.951	9.800	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.640	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.700	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.670	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.427	14.730	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.700	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.730	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.400	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.560	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.320	PASS

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

Band7	20MHz	64QAM	21100	100RB#0	17.942	19.600	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.440	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.480	PASS

4.2. Test Plots

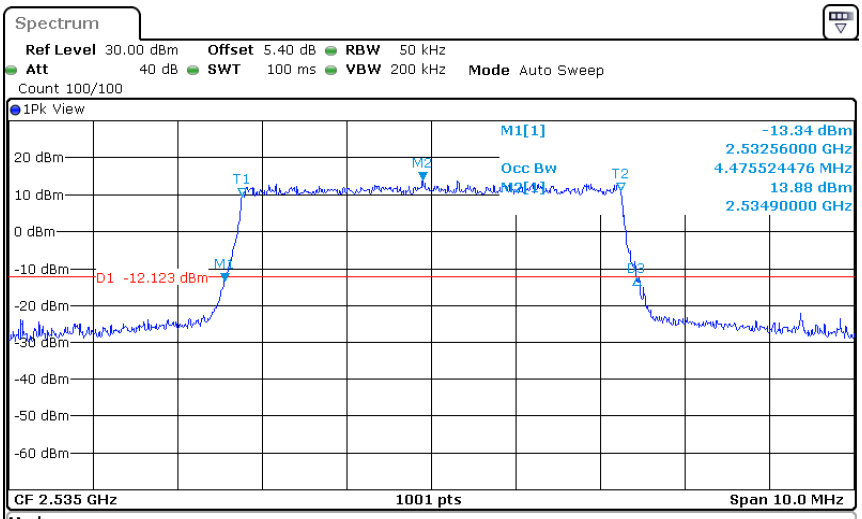
Band7-5MHz-QPSK-20775-25RB#0-4.466



Date: 16.JUL.2020 04:48:46

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

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

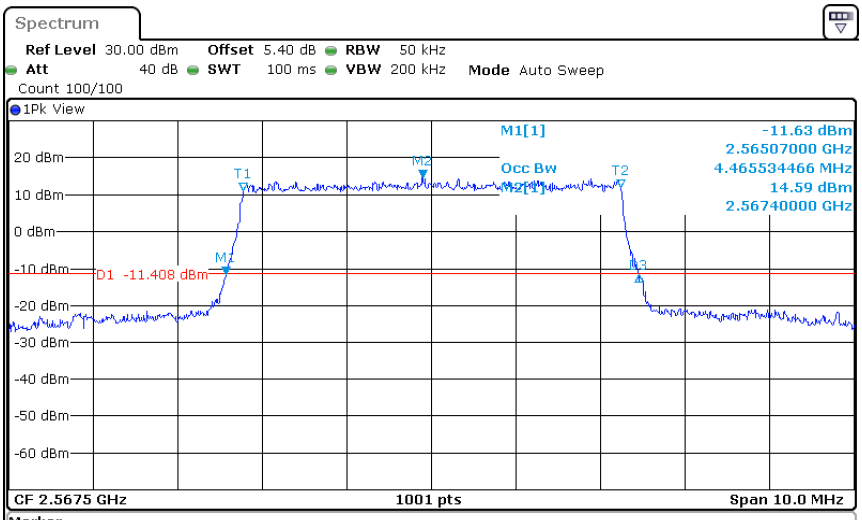


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53256 GHz	-13.34 dBm		
T1		1	2.5327622 GHz	9.72 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5372378 GHz	11.16 dBm		
M2		1	2.5349 GHz	13.88 dBm		
D3	M1	1	4.87 MHz	0.85 dB		

Date: 16.JUL.2020 04:49:25

Band7-5MHz-QPSK-21425-25RB#0-4.466



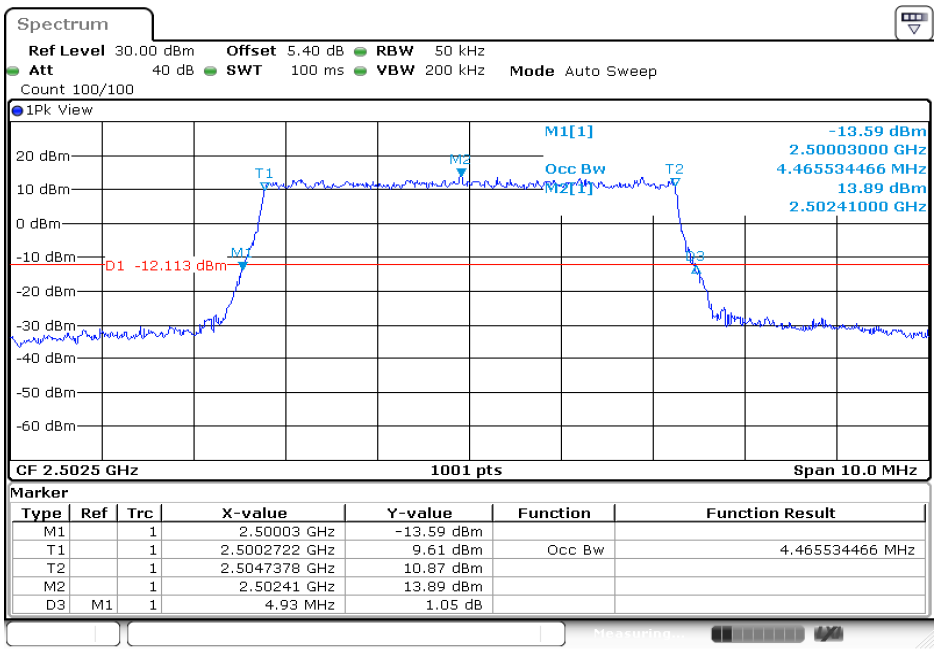
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56507 GHz	-11.63 dBm		
T1		1	2.5652722 GHz	11.02 dBm	Occ Bw	4.465534466 MHz
T2		1	2.5697378 GHz	11.84 dBm		
M2		1	2.5674 GHz	14.59 dBm		
D3	M1	1	4.88 MHz	0.02 dB		

Date: 16.JUL.2020 04:50:05

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

Band7-5MHz-64QAM-20775-25RB#0-4.465

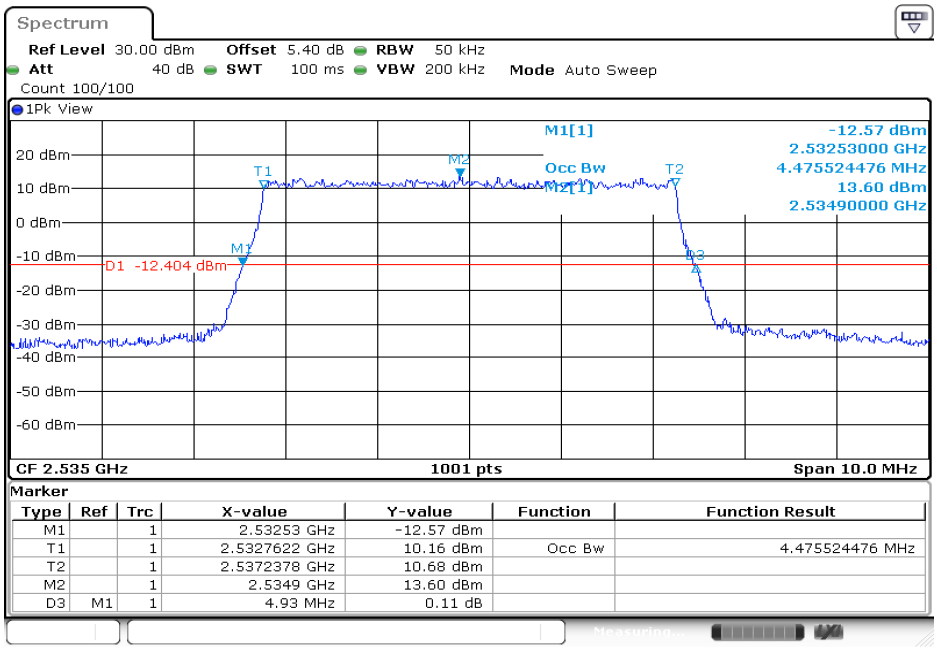


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50003 GHz	-13.59 dBm		
T1		1	2.5002722 GHz	9.61 dBm	Occ Bw	4.465534466 MHz
T2		1	2.5047378 GHz	10.87 dBm		
M2		1	2.50241 GHz	13.89 dBm		
D3	M1	1	4.93 MHz	1.05 dB		

Date: 27.JUN.2020 14:01:45

Band7-5MHz-64QAM-21100-25RB#0-4.475



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53253 GHz	-12.57 dBm		
T1		1	2.5327622 GHz	10.16 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5372378 GHz	10.68 dBm		
M2		1	2.5349 GHz	13.60 dBm		
D3	M1	1	4.93 MHz	0.11 dB		

Date: 27.JUN.2020 14:02:24

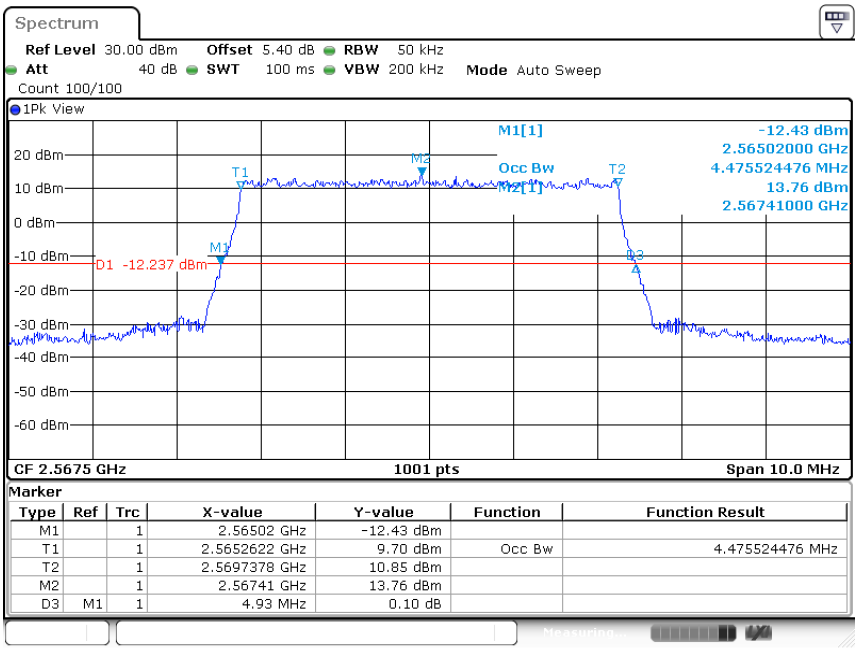
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Member of the SGS Group (SGS SA)

Band7-5MHz-64QAM-21425-25RB#0-4.475

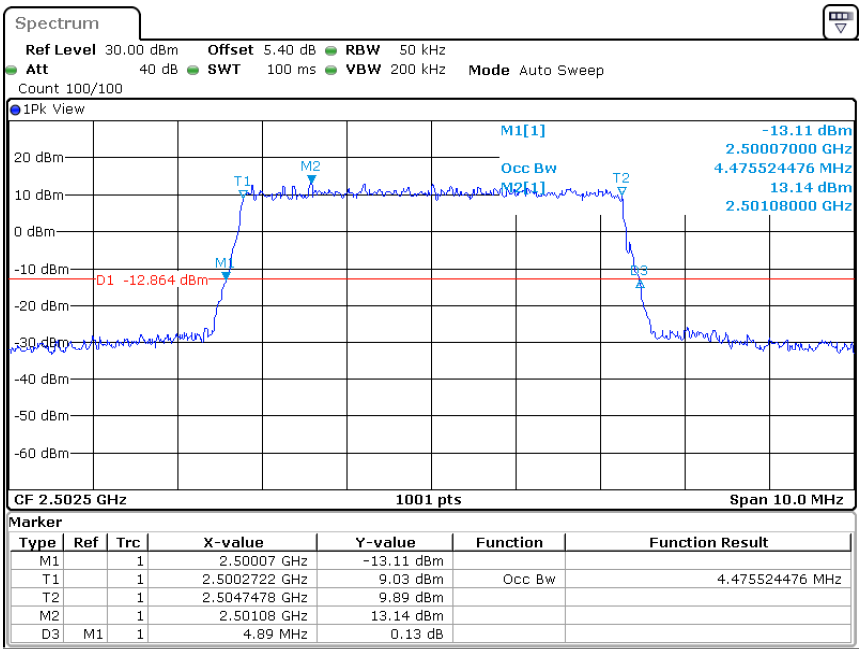


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56502 GHz	-12.43 dBm		
T1		1	2.5652622 GHz	9.70 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5697378 GHz	10.85 dBm		
M2		1	2.56741 GHz	13.76 dBm		
D3	M1	1	4.93 MHz	0.10 dB		

Date: 27.JUN.2020 14:03:05

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



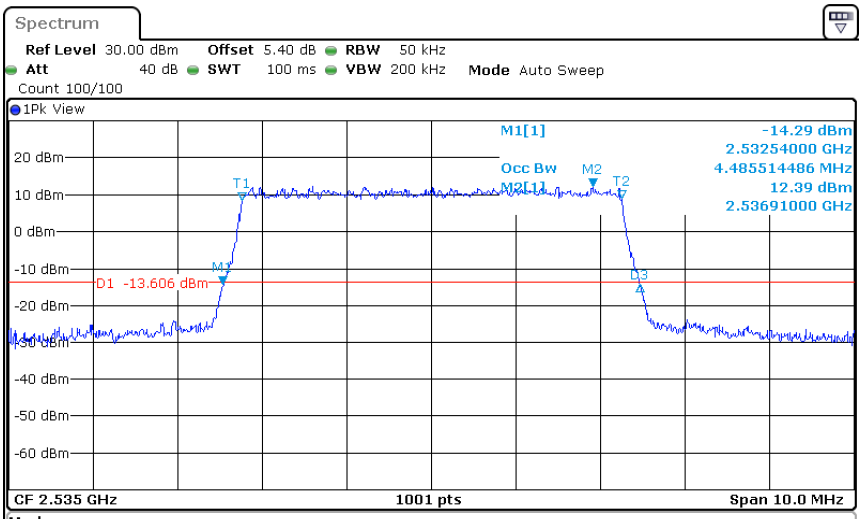
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50007 GHz	-13.11 dBm		
T1		1	2.5002722 GHz	9.03 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5047478 GHz	9.89 dBm		
M2		1	2.50108 GHz	13.14 dBm		
D3	M1	1	4.89 MHz	0.13 dB		

Date: 16.JUL.2020 04:49:05

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

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

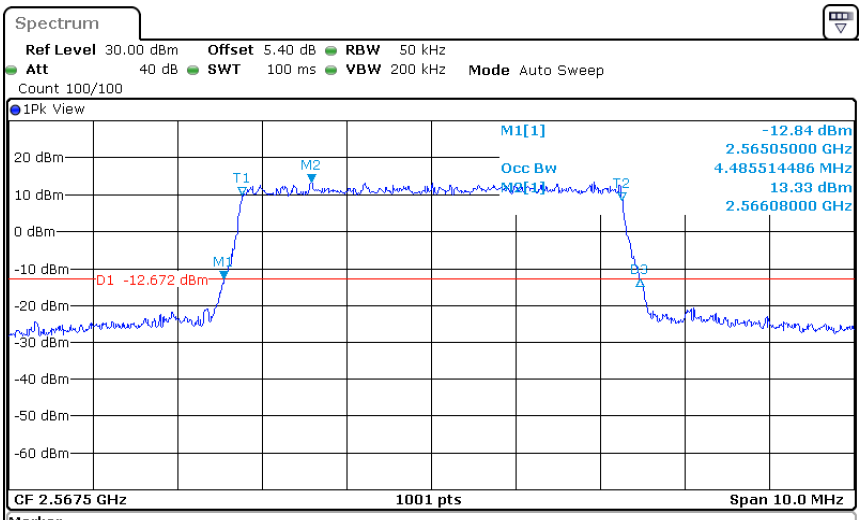


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53254 GHz	-14.29 dBm		
T1		1	2.5327622 GHz	8.41 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5372478 GHz	9.07 dBm		
M2		1	2.53691 GHz	12.39 dBm		
D3	M1	1	4.93 MHz	0.22 dB		

Date: 16.JUL.2020 04:49:45

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56505 GHz	-12.84 dBm		
T1		1	2.5652622 GHz	9.81 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5697478 GHz	8.60 dBm		
M2		1	2.56608 GHz	13.33 dBm		
D3	M1	1	4.92 MHz	0.08 dB		

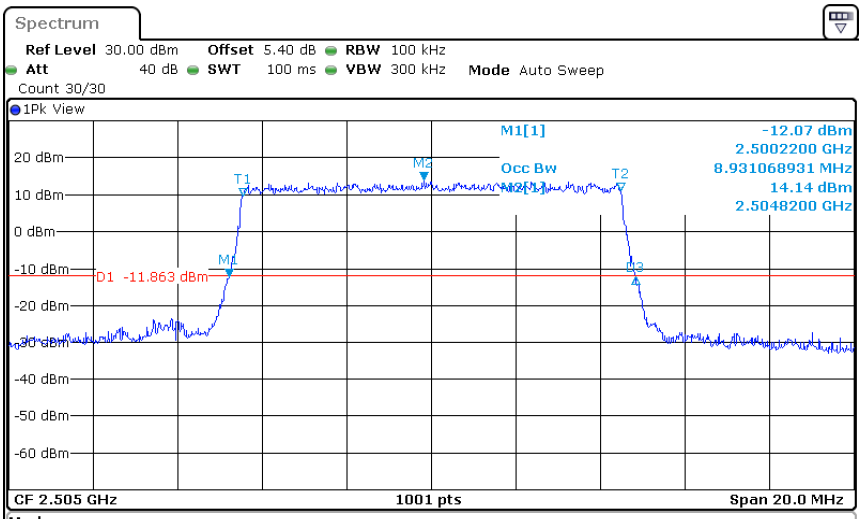
Date: 16.JUL.2020 04:50:24

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

Member of the SGS Group (SGS SA)

Band7-10MHz-QPSK-20800-50RB#0-8.931

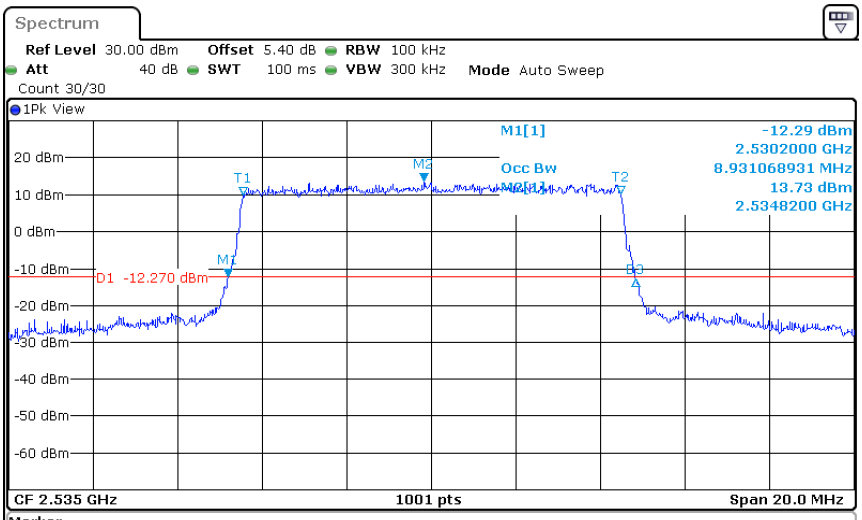


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50022 GHz	-12.07 dBm		
T1		1	2.5005445 GHz	9.60 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5094755 GHz	11.16 dBm		
M2		1	2.50482 GHz	14.14 dBm		
D3	M1	1	9.62 MHz	-0.09 dB		

Date: 16.JUL.2020 04:50:42

Band7-10MHz-QPSK-21100-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5302 GHz	-12.29 dBm		
T1		1	2.5305445 GHz	9.84 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5394755 GHz	10.36 dBm		
M2		1	2.53482 GHz	13.73 dBm		
D3	M1	1	9.64 MHz	-0.43 dB		

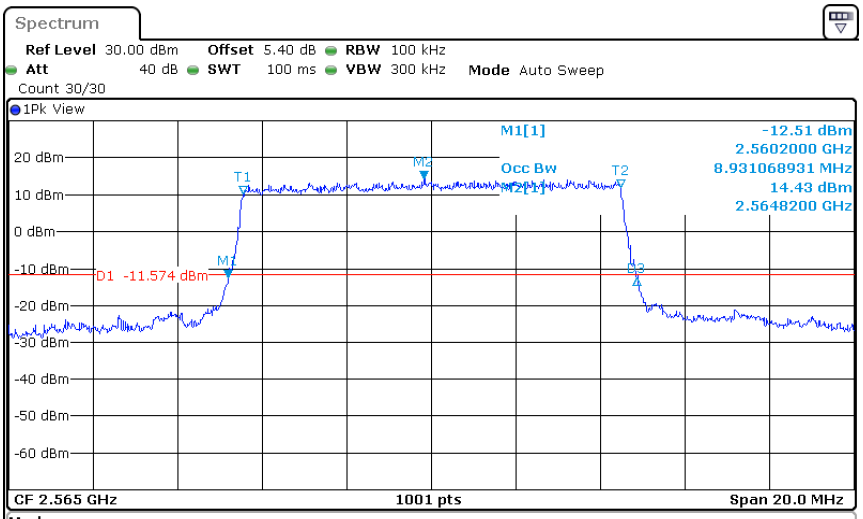
Date: 16.JUL.2020 04:51:08

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 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

Member of the SGS Group (SGS SA)

Band7-10MHz-QPSK-21400-50RB#0-8.931

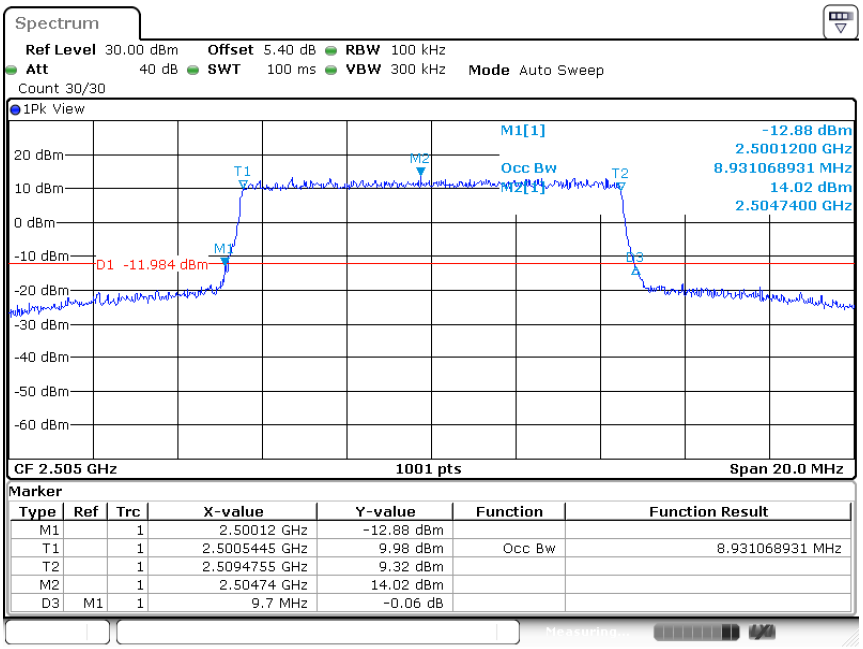


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5602 GHz	-12.51 dBm		
T1		1	2.5605445 GHz	10.23 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5694755 GHz	11.94 dBm		
M2		1	2.56482 GHz	14.43 dBm		
D3	M1	1	9.66 MHz	0.17 dB		

Date: 16.JUL.2020 04:51:33

Band7-10MHz-64QAM-20800-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-12.88 dBm		
T1		1	2.5005445 GHz	9.98 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5094755 GHz	9.32 dBm		
M2		1	2.50474 GHz	14.02 dBm		
D3	M1	1	9.7 MHz	-0.06 dB		

Date: 11.AUG.2020 00:00:34

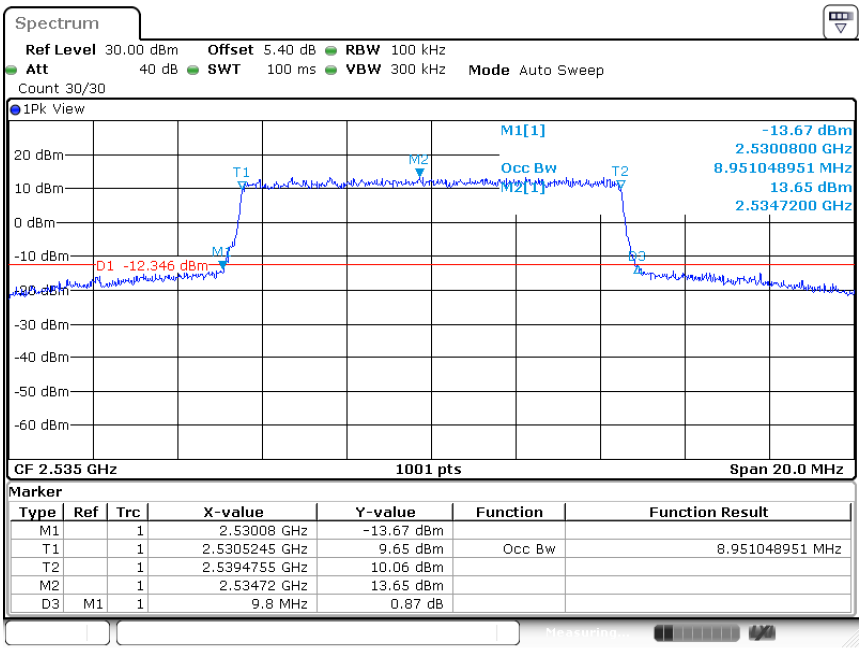
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

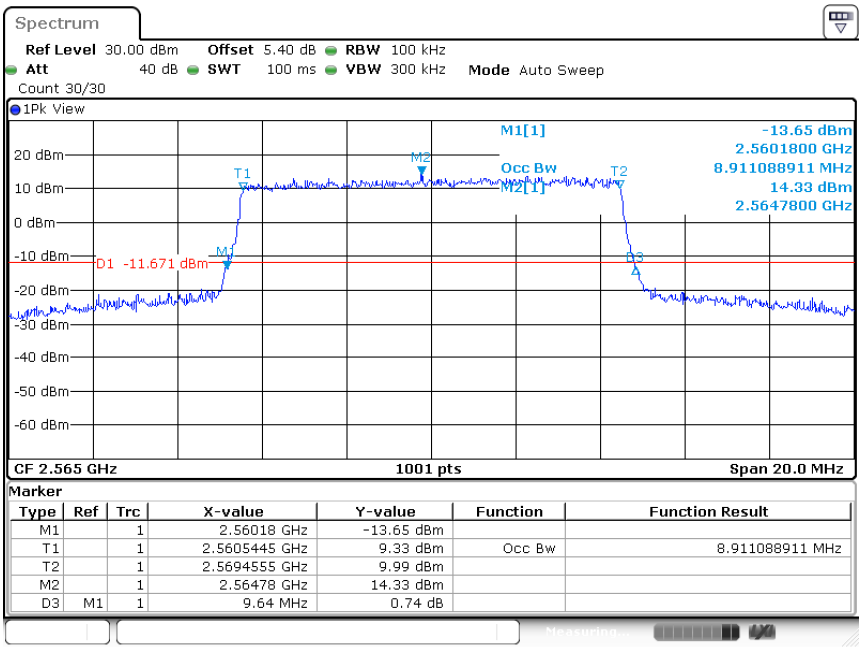
Member of the SGS Group (SGS SA)

Band7-10MHz-64QAM-21100-50RB#0-8.951



Date: 11.AUG.2020 00:00:47

Band7-10MHz-64QAM-21400-50RB#0-8.911

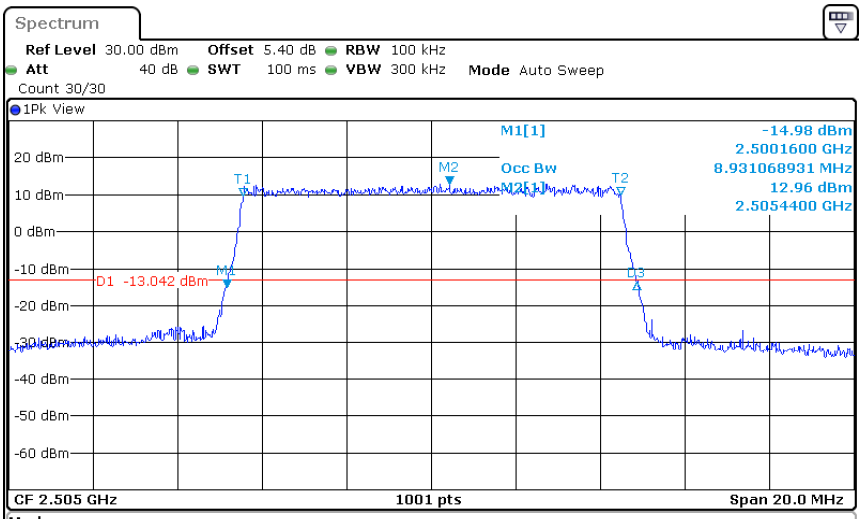


Date: 11.AUG.2020 00:01:00

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 Testing Center EEC 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

Band7-10MHz-16QAM-20800-50RB#0-8.931

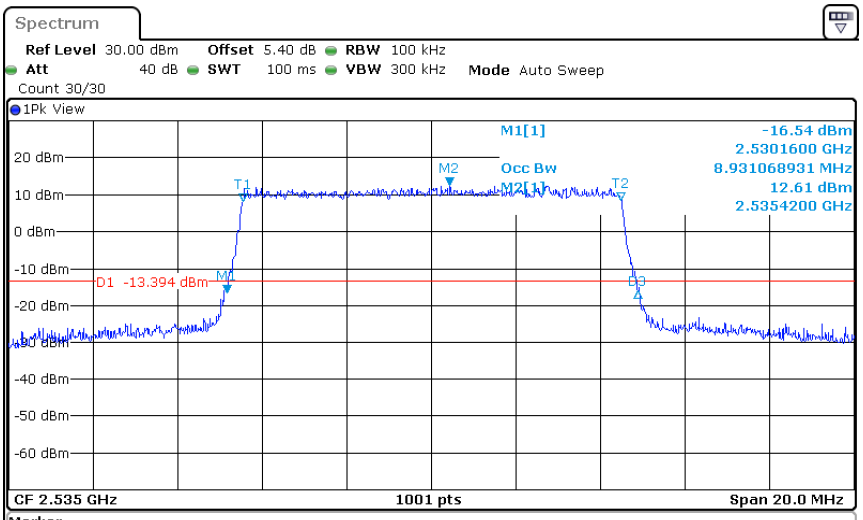


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50016 GHz	-14.98 dBm		
T1		1	2.5005445 GHz	9.71 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5094755 GHz	10.01 dBm		
M2		1	2.50544 GHz	12.96 dBm		
D3	M1	1	9.7 MHz	1.30 dB		

Date: 16.JUL.2020 04:50:55

Band7-10MHz-16QAM-21100-50RB#0-8.931



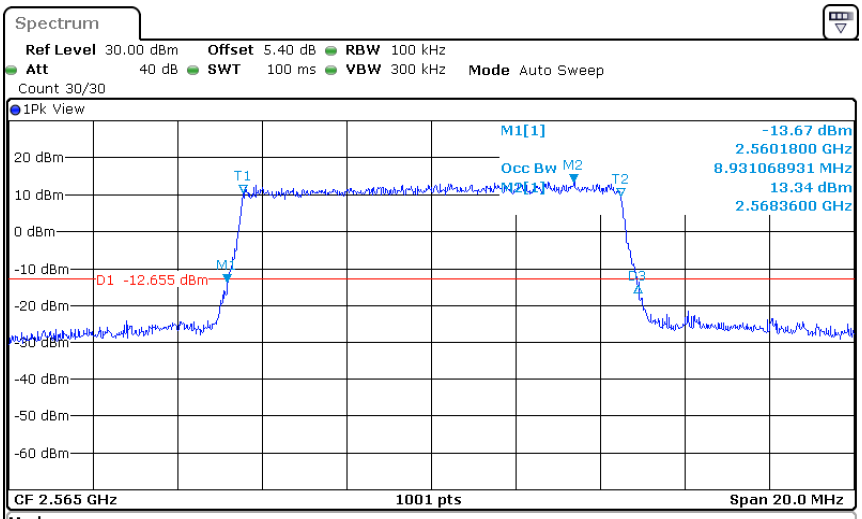
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53016 GHz	-16.54 dBm		
T1		1	2.5305445 GHz	8.20 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5394755 GHz	8.50 dBm		
M2		1	2.53542 GHz	12.61 dBm		
D3	M1	1	9.72 MHz	0.72 dB		

Date: 16.JUL.2020 04:51:20

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 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
Member of the SGS Group (SGS SA)

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

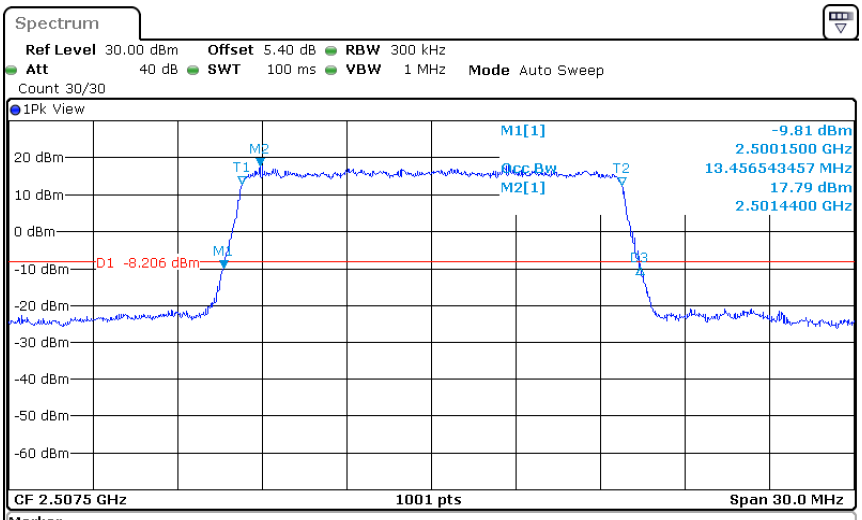


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56018 GHz	-13.67 dBm		
T1		1	2.5605445 GHz	10.53 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5694755 GHz	9.60 dBm		
M2		1	2.56836 GHz	13.34 dBm		
D3	M1	1	9.7 MHz	-0.76 dB		

Date: 16.JUL.2020 04:51:46

Band7-15MHz-QPSK-20825-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50015 GHz	-9.81 dBm		
T1		1	2.5007867 GHz	12.87 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5142433 GHz	12.46 dBm		
M2		1	2.50144 GHz	17.79 dBm		
D3	M1	1	14.73 MHz	0.41 dB		

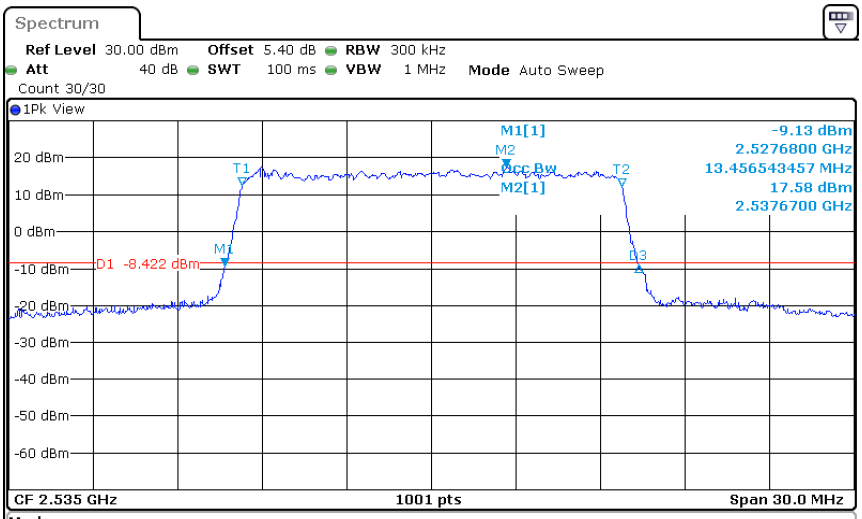
Date: 16.JUL.2020 04:52:04

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-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 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

Member of the SGS Group (SGS SA)

Band7-15MHz-QPSK-21100-75RB#0-13.457

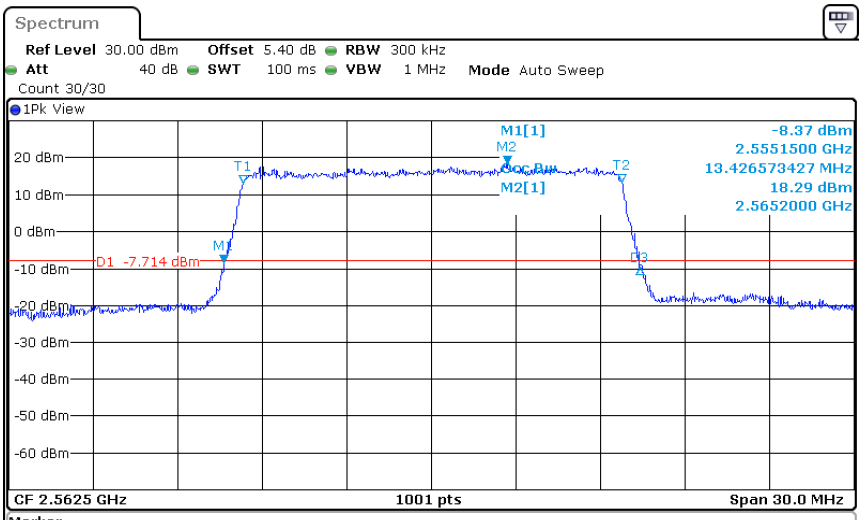


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52768 GHz	-9.13 dBm		
T1		1	2.5282867 GHz	12.68 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5417433 GHz	12.18 dBm		
M2		1	2.53767 GHz	17.58 dBm		
D3	M1	1	14.67 MHz	0.18 dB		

Date: 16.JUL.2020 04:52:29

Band7-15MHz-QPSK-21375-75RB#0-13.427



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55515 GHz	-8.37 dBm		
T1		1	2.5558167 GHz	13.26 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5692433 GHz	13.54 dBm		
M2		1	2.5652 GHz	18.29 dBm		
D3	M1	1	14.73 MHz	-1.03 dB		

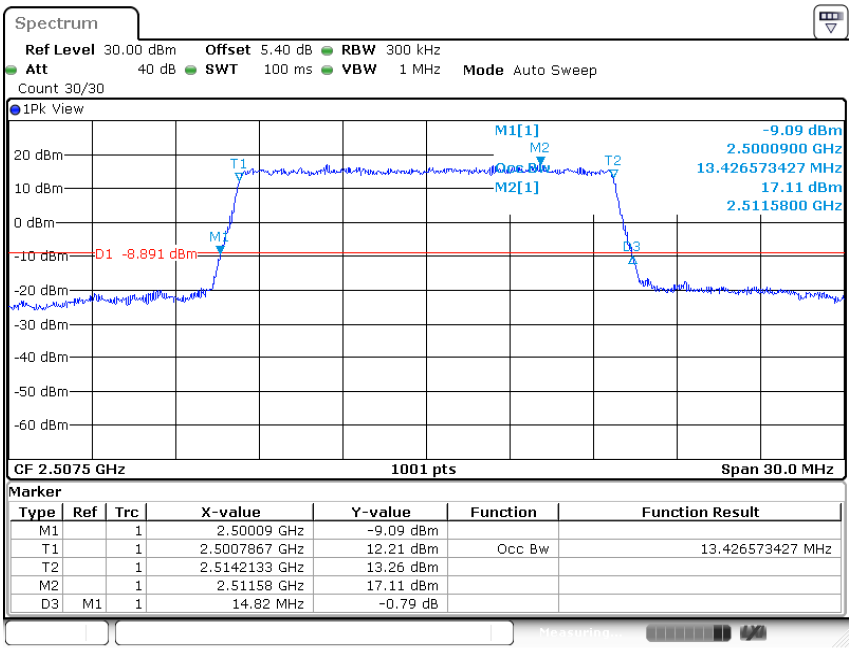
Date: 16.JUL.2020 04:52:55

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

Member of the SGS Group (SGS SA)

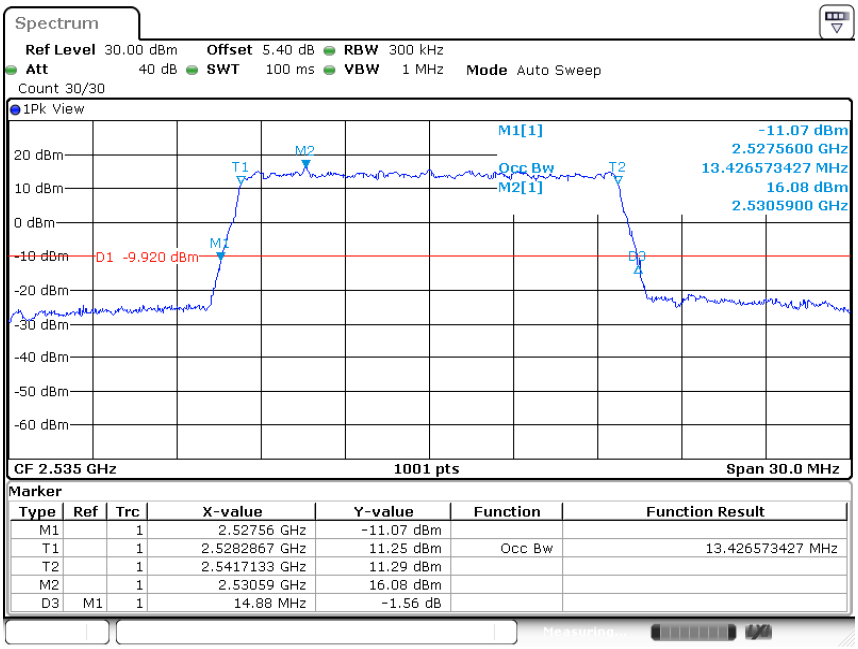
Band7-15MHz-64QAM-20825-75RB#0-13.427



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50009 GHz	-9.09 dBm		
T1		1	2.5007867 GHz	12.21 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5142133 GHz	13.26 dBm		
M2		1	2.51158 GHz	17.11 dBm		
D3	M1	1	14.82 MHz	-0.79 dB		

Date: 14.AUG.2020 23:21:37

Band7-15MHz-64QAM-21100-75RB#0-13.457

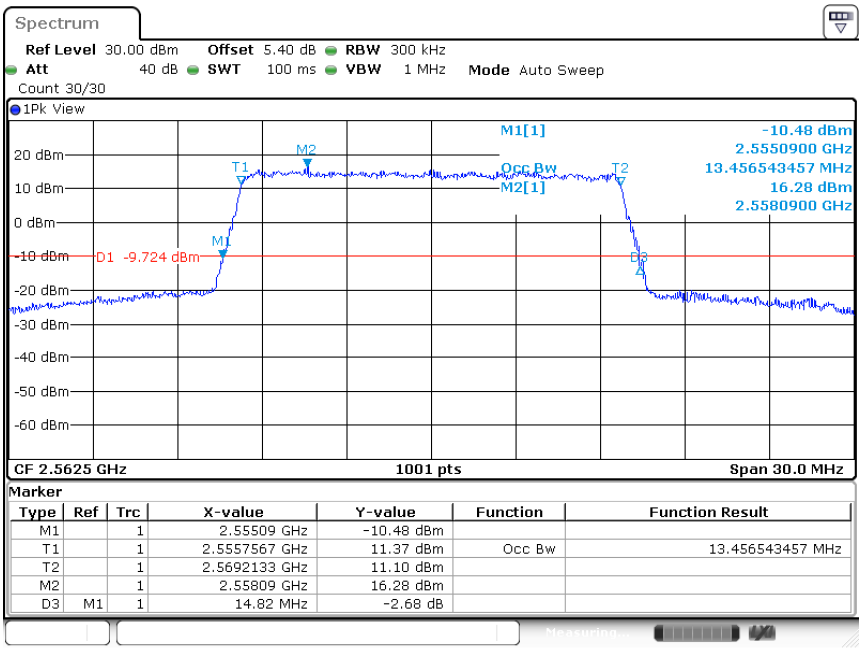


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52756 GHz	-11.07 dBm		
T1		1	2.5282867 GHz	11.25 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5417133 GHz	11.29 dBm		
M2		1	2.53059 GHz	16.08 dBm		
D3	M1	1	14.88 MHz	-1.56 dB		

Date: 15.AUG.2020 02:20:53

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

Band7-15MHz-64QAM-21375-75RB#0-13.457

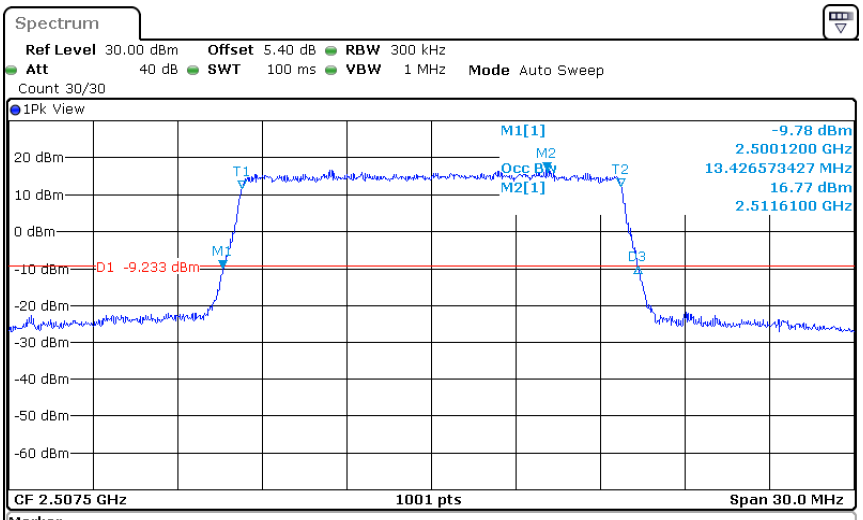


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55509 GHz	-10.48 dBm		
T1		1	2.5557567 GHz	11.37 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5692133 GHz	11.10 dBm		
M2		1	2.55809 GHz	16.28 dBm		
D3	M1	1	14.82 MHz	-2.68 dB		

Date: 15.AUG.2020 02:21:06

Band7-15MHz-16QAM-20825-75RB#0-13.427



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-9.78 dBm		
T1		1	2.5007867 GHz	11.72 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5142133 GHz	12.36 dBm		
M2		1	2.51161 GHz	16.77 dBm		
D3	M1	1	14.7 MHz	0.42 dB		

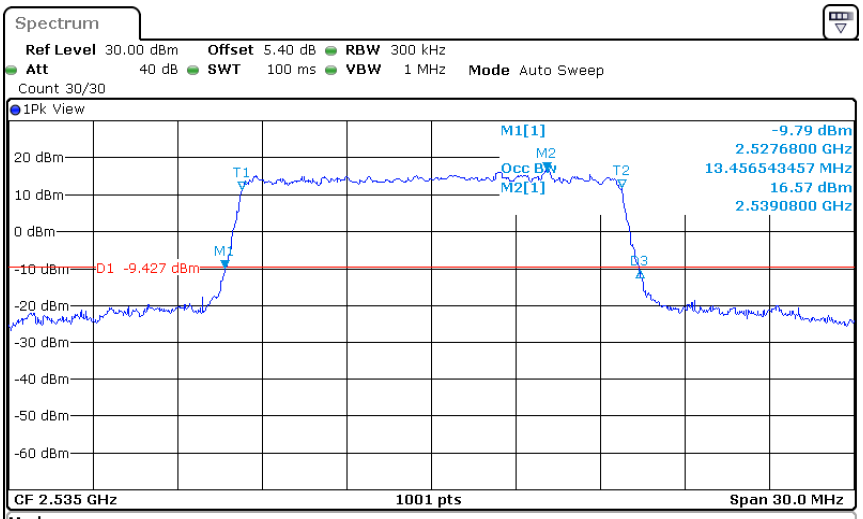
Date: 16.JUL.2020 04:52:16

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

Member of the SGS Group (SGS SA)

Band7-15MHz-16QAM-21100-75RB#0-13.457

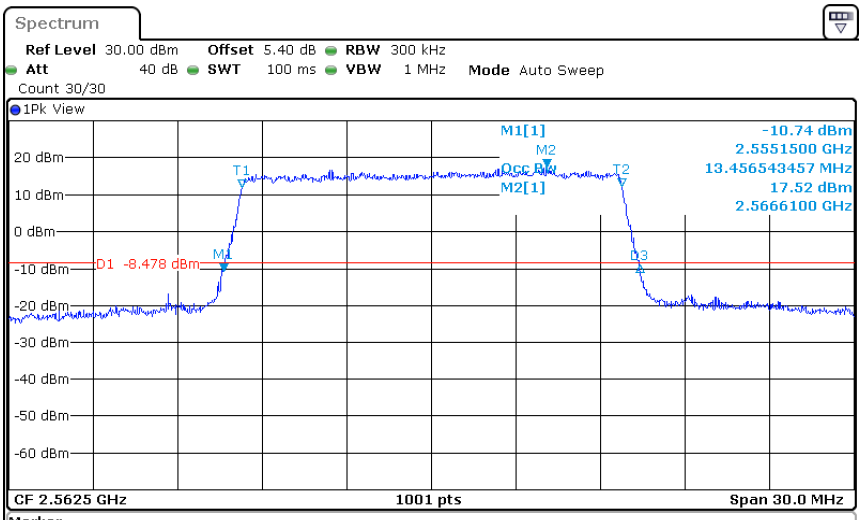


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52768 GHz	-9.79 dBm		
T1		1	2.5282867 GHz	11.35 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5417433 GHz	11.86 dBm		
M2		1	2.53908 GHz	16.57 dBm		
D3	M1	1	14.7 MHz	-0.68 dB		

Date: 16.JUL.2020 04:52:42

Band7-15MHz-16QAM-21375-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55515 GHz	-10.74 dBm		
T1		1	2.5557867 GHz	11.86 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5692433 GHz	12.25 dBm		
M2		1	2.56661 GHz	17.52 dBm		
D3	M1	1	14.73 MHz	1.83 dB		

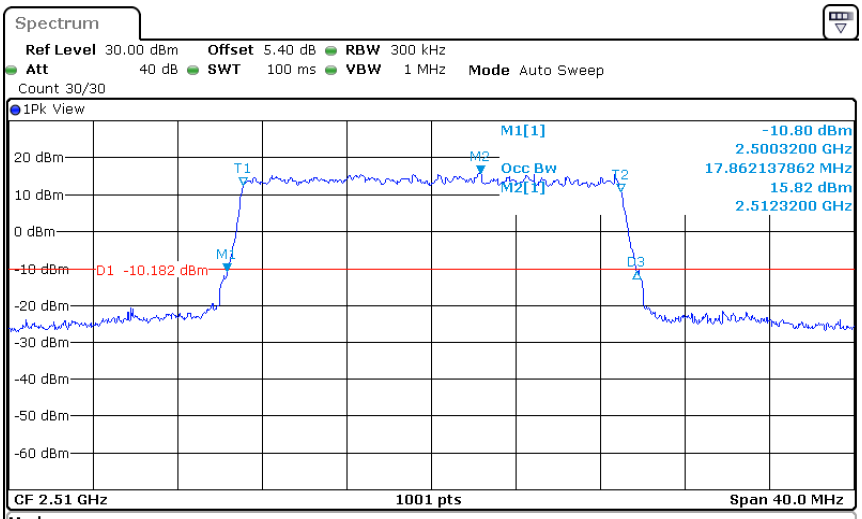
Date: 16.JUL.2020 04:53:08

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
检验检测专用章 Inspection & Testing Services
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

Member of the SGS Group (SGS SA)

Band7-20MHz-QPSK-20850-100RB#0-17.862

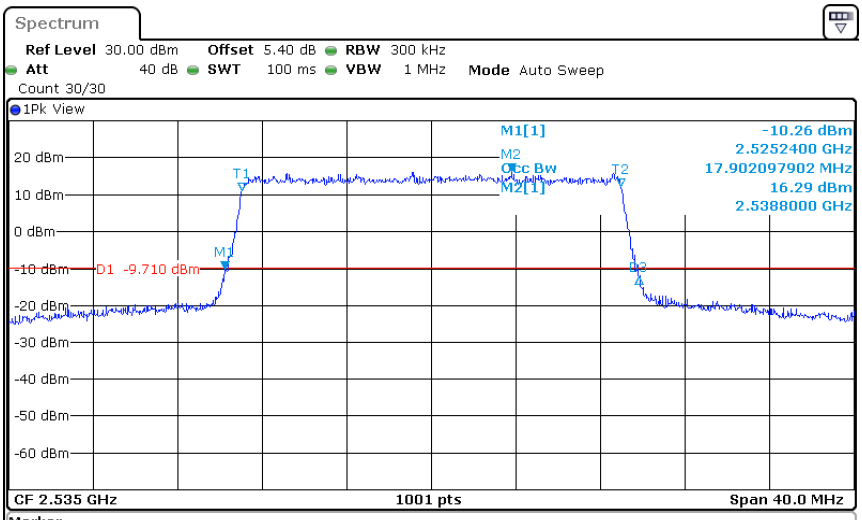


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50032 GHz	-10.80 dBm		
T1		1	2.5010889 GHz	12.44 dBm	Occ Bw	17.862137862 MHz
T2		1	2.518951 GHz	10.93 dBm		
M2		1	2.51232 GHz	15.82 dBm		
D3	M1	1	19.4 MHz	0.16 dB		

Date: 16.JUL.2020 04:53:25

Band7-20MHz-QPSK-21100-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52524 GHz	-10.26 dBm		
T1		1	2.526049 GHz	11.22 dBm	Occ Bw	17.902097902 MHz
T2		1	2.543951 GHz	12.26 dBm		
M2		1	2.5388 GHz	16.29 dBm		
D3	M1	1	19.56 MHz	-1.91 dB		

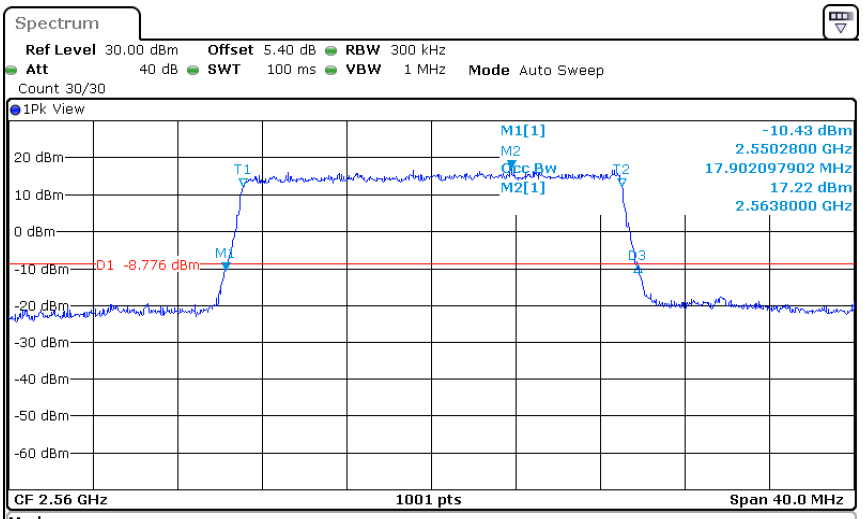
Date: 16.JUL.2020 04:53:51

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

Member of the SGS Group (SGS SA)

Band7-20MHz-QPSK-21350-100RB#0-17.902

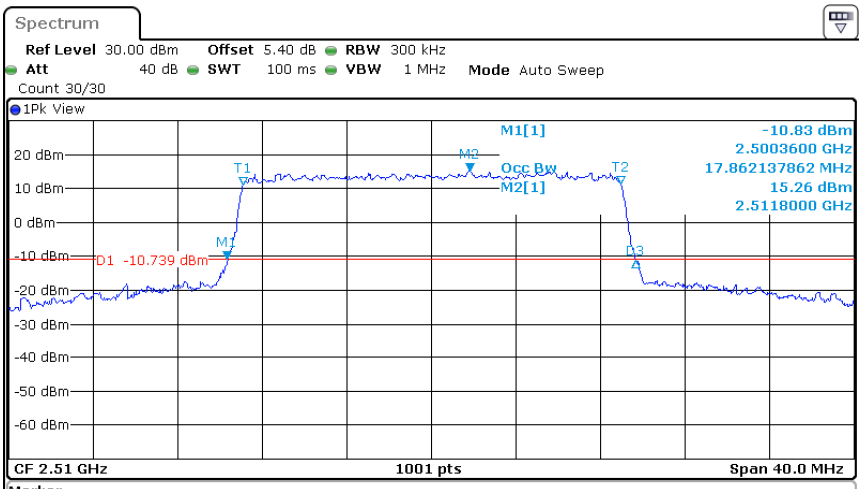


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55028 GHz	-10.43 dBm		
T1		1	2.5510889 GHz	12.34 dBm	Occ Bw	17.902097902 MHz
T2		1	2.568991 GHz	12.38 dBm		
M2		1	2.5638 GHz	17.22 dBm		
D3	M1	1	19.48 MHz	1.46 dB		

Date: 16.JUL.2020 04:54:16

Band7-20MHz-64QAM-20850-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50036 GHz	-10.83 dBm		
T1		1	2.5010889 GHz	11.14 dBm	Occ Bw	17.862137862 MHz
T2		1	2.518951 GHz	11.39 dBm		
M2		1	2.5118 GHz	15.26 dBm		
D3	M1	1	19.32 MHz	-0.39 dB		

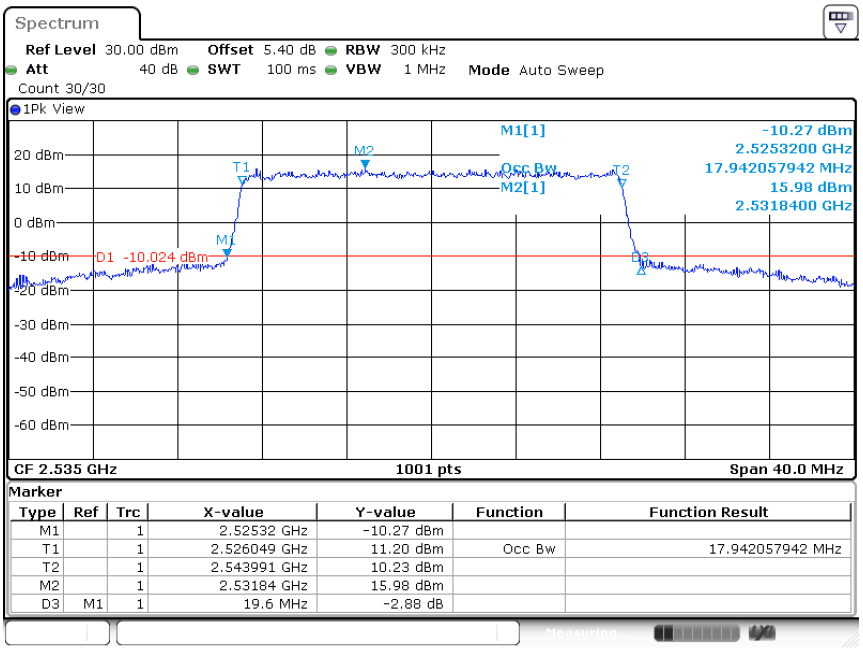
Date: 11.AUG.2020 00:02:05

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

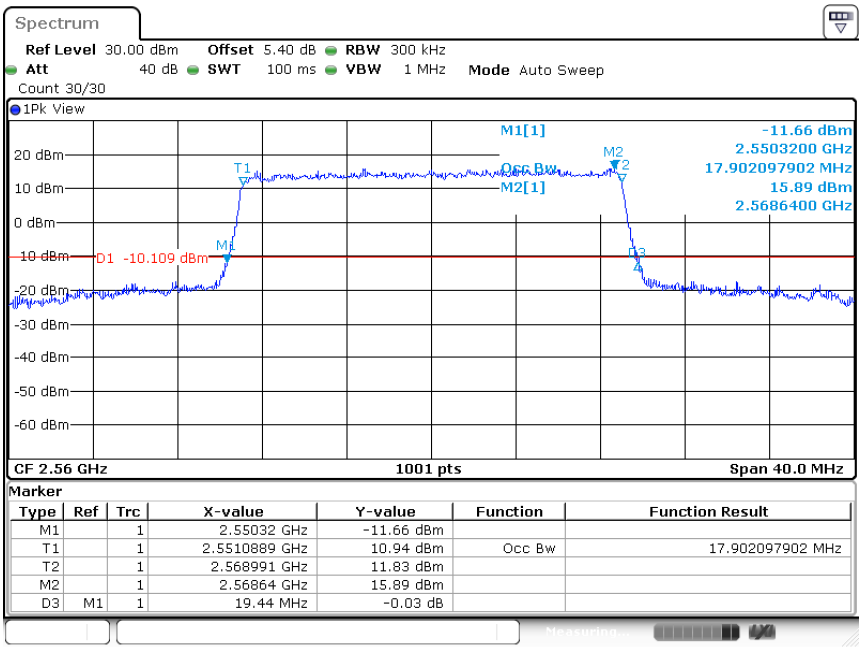
Member of the SGS Group (SGS SA)

Band7-20MHz-64QAM-21100-100RB#0-17.942



Date: 11.AUG.2020 00:02:18

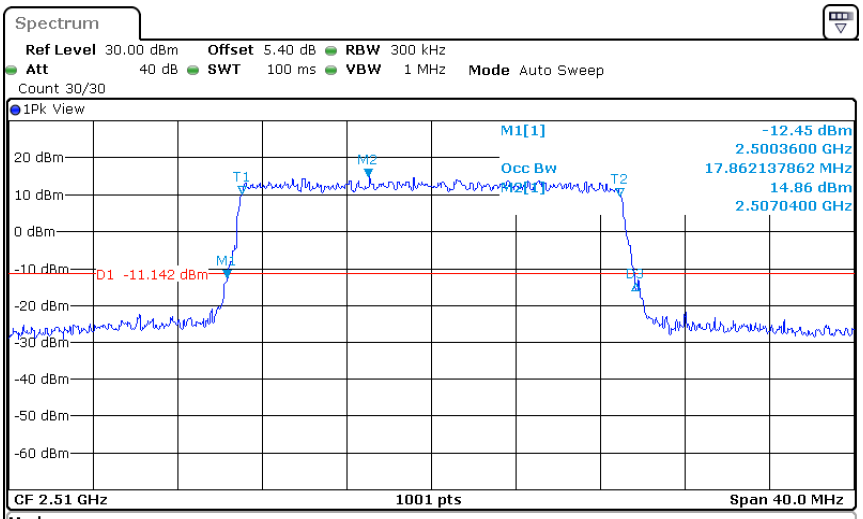
Band7-20MHz-64QAM-21350-100RB#0-17.902



Date: 11.AUG.2020 00:02:31

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 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
Member of the SGS Group (SGS SA)

Band7-20MHz-16QAM-20850-100RB#0-17.862

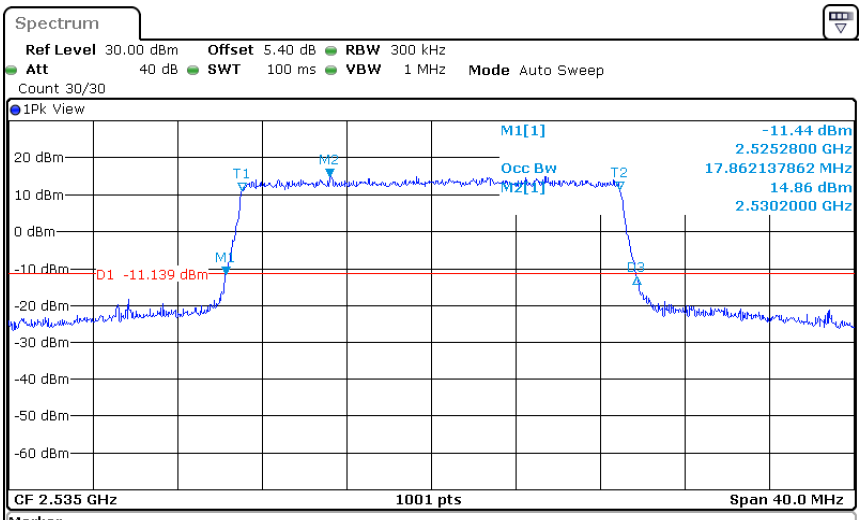


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50036 GHz	-12.45 dBm		
T1		1	2.501049 GHz	10.26 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5189111 GHz	9.71 dBm		
M2		1	2.50704 GHz	14.86 dBm		
D3	M1	1	19.28 MHz	-1.43 dB		

Date: 16.JUL.2020 04:53:38

Band7-20MHz-16QAM-21100-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52528 GHz	-11.44 dBm		
T1		1	2.526049 GHz	11.13 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5439111 GHz	11.43 dBm		
M2		1	2.5302 GHz	14.86 dBm		
D3	M1	1	19.44 MHz	-0.63 dB		

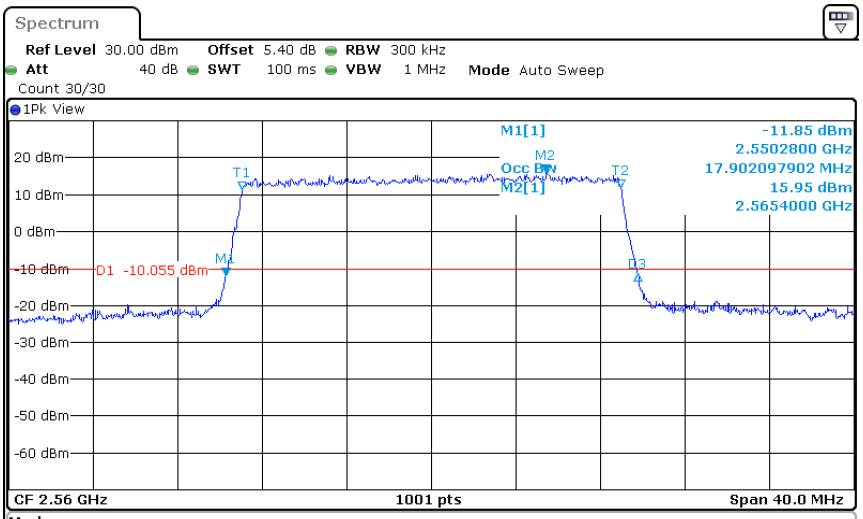
Date: 16.JUL.2020 04:54:03

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

Member of the SGS Group (SGS SA)

Band7-20MHz-16QAM-21350-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55028 GHz	-11.85 dBm		
T1		1	2.551049 GHz	11.49 dBm	Occ Bw	17.902097902 MHz
T2		1	2.568951 GHz	11.83 dBm		
M2		1	2.5654 GHz	15.95 dBm		
D3	M1	1	19.48 MHz	0.67 dB		

Date: 16.JUL.2020 04:54:29

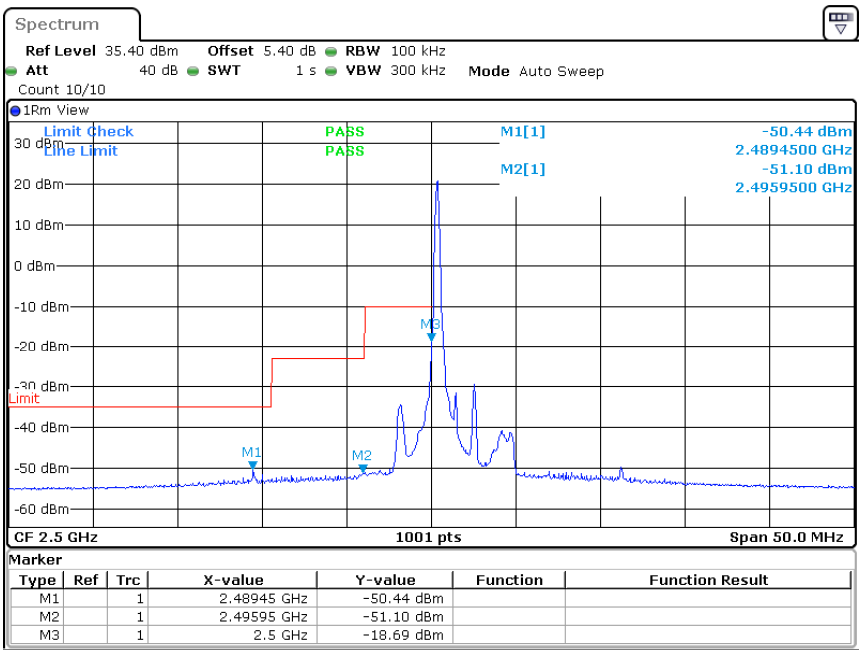
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

5. Band Edge Compliance

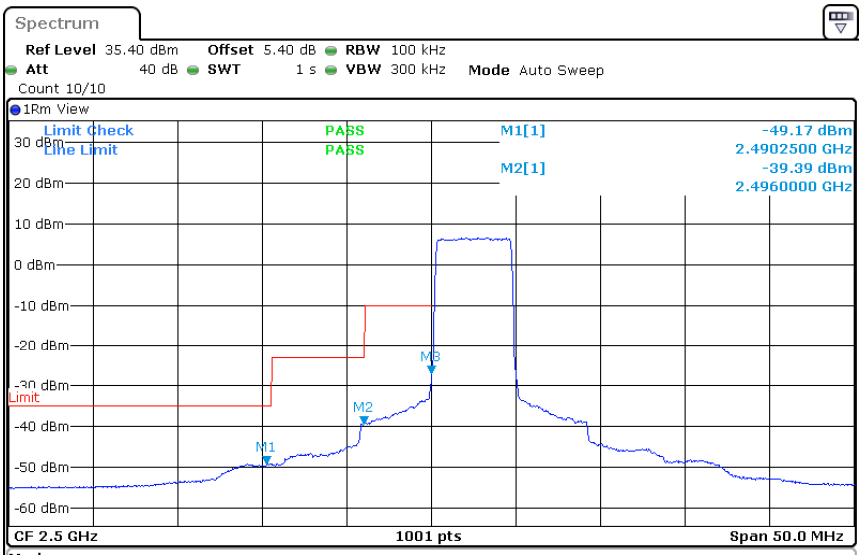
5.1. Test Plots

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



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

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

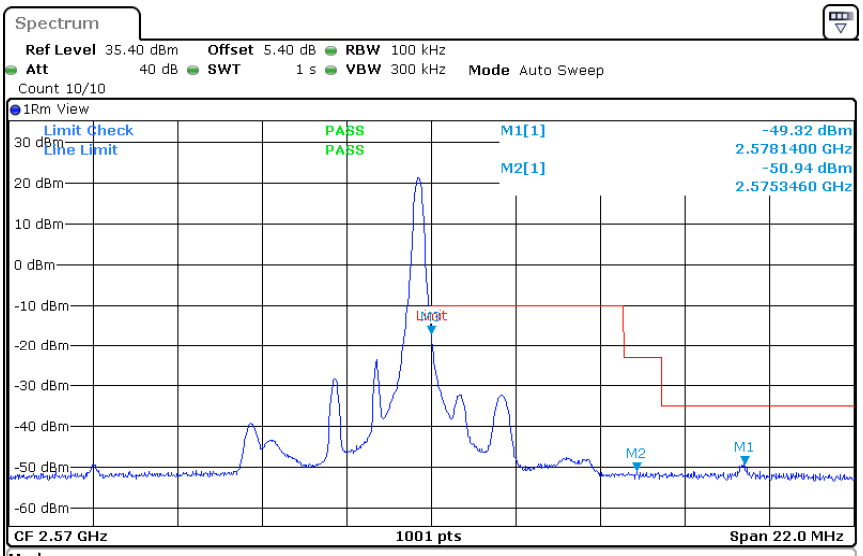


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.49025 GHz	-49.17 dBm		
M2		1	2.496 GHz	-39.39 dBm		
M3		1	2.5 GHz	-27.06 dBm		

Date: 16.JUL.2020 04:56:29

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.57814 GHz	-49.32 dBm		
M2		1	2.575346 GHz	-50.94 dBm		
M3		1	2.57 GHz	-17.10 dBm		

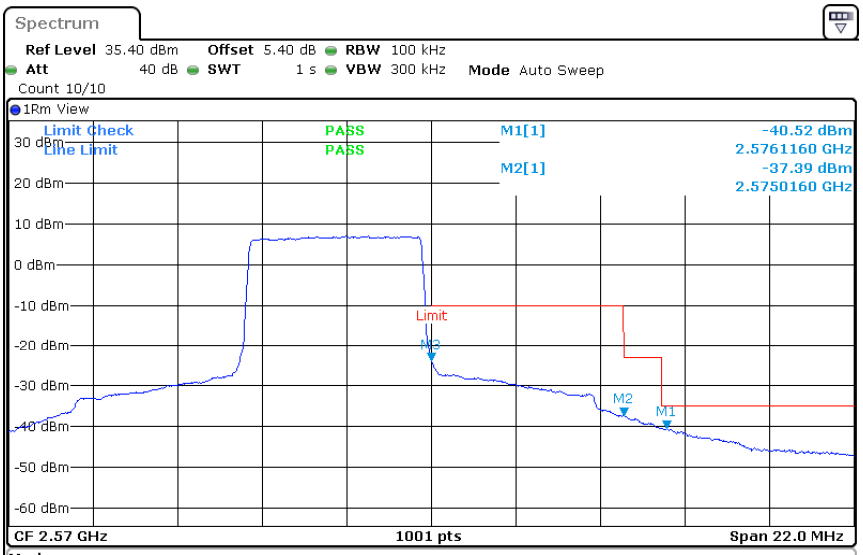
Date: 16.JUL.2020 04:55:42

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

Member of the SGS Group (SGS SA)

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

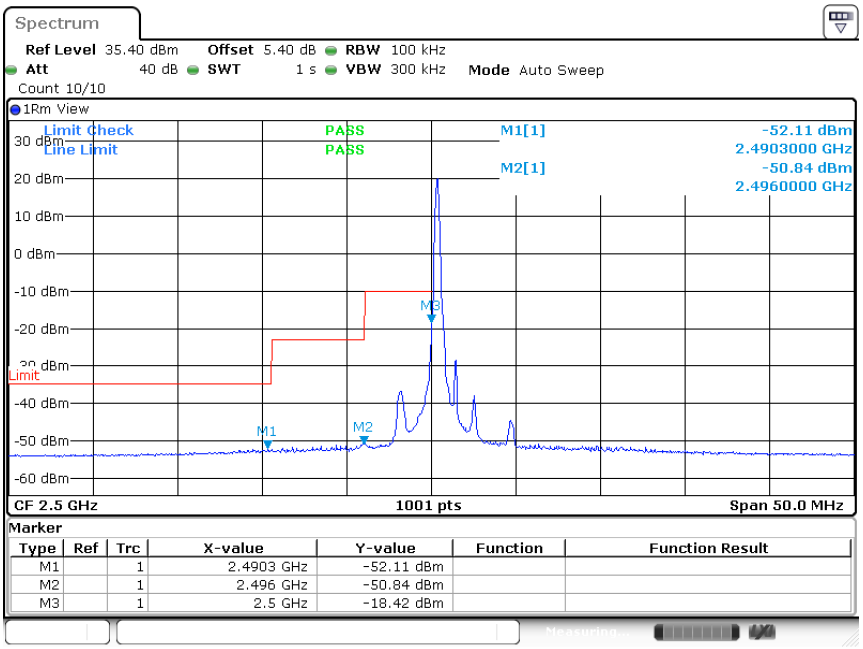


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.576116 GHz	-40.52 dBm		
M2		1	2.575016 GHz	-37.39 dBm		
M3		1	2.57 GHz	-23.76 dBm		

Date: 16.JUL.2020 04:57:12

Band7-5MHz-64QAM-20775-1RB#0



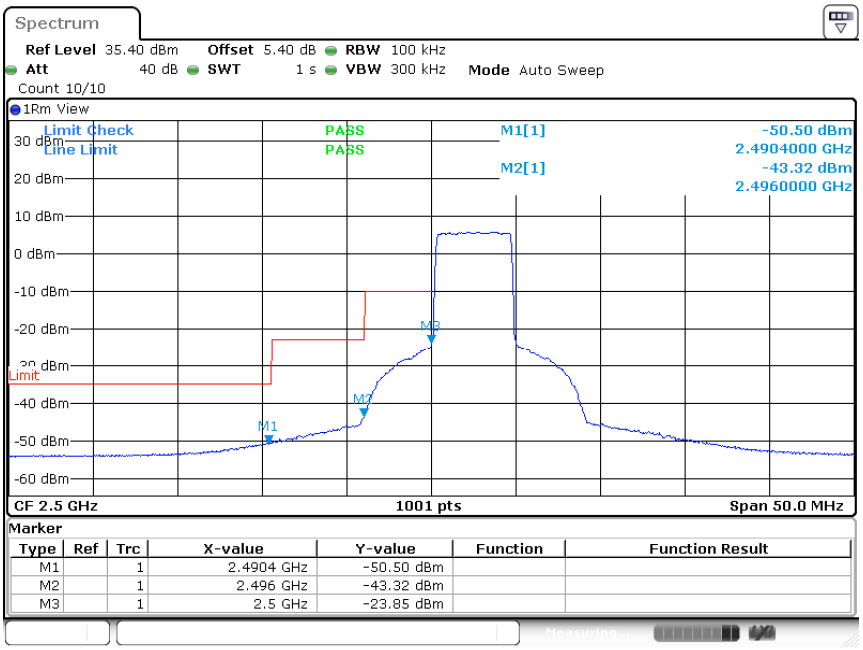
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4903 GHz	-52.11 dBm		
M2		1	2.496 GHz	-50.84 dBm		
M3		1	2.5 GHz	-18.42 dBm		

Date: 11.AUG.2020 00:03:00

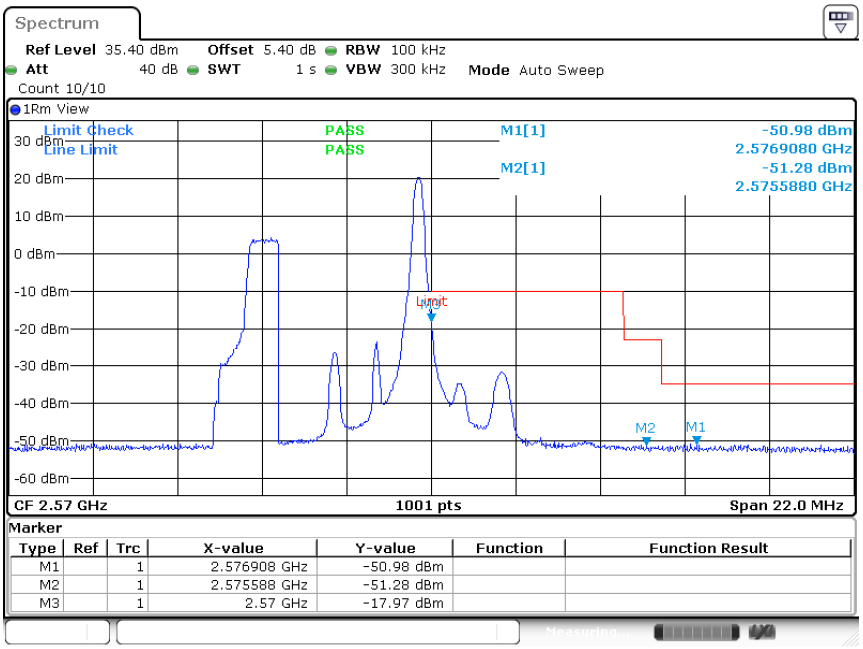
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-5MHz-64QAM-20775-25RB#0



Date: 11.AUG.2020 00:03:54

Band7-5MHz-64QAM-21425-1RB#24



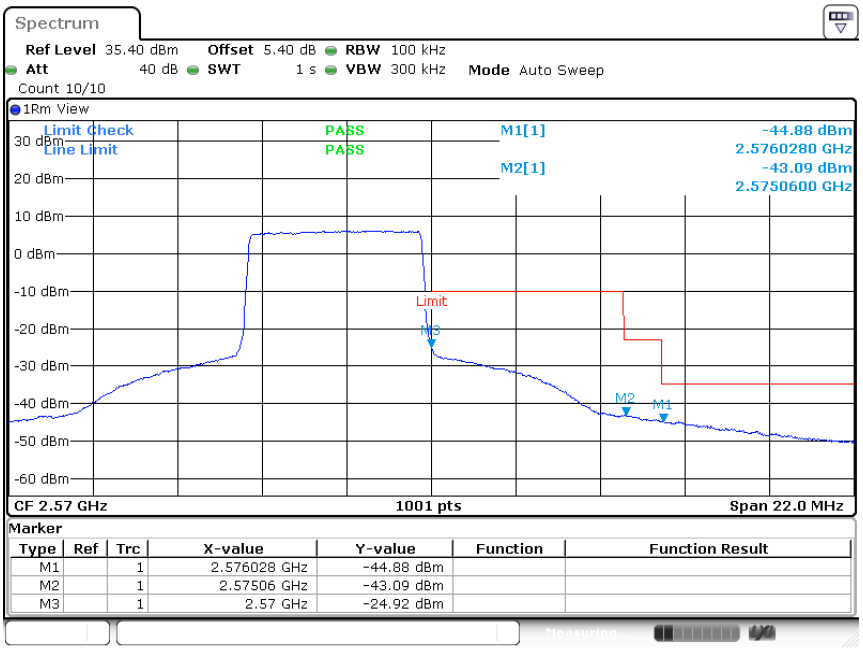
Date: 11.AUG.2020 00:03:27

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 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

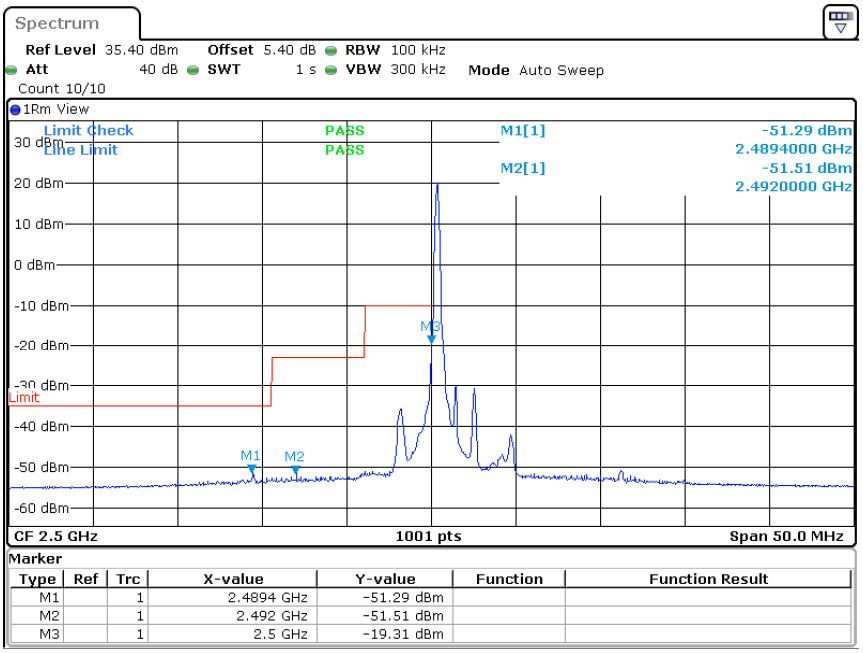
Member of the SGS Group (SGS SA)

Band7-5MHz-64QAM-21425-25RB#0



Date: 11.AUG.2020 00:04:15

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



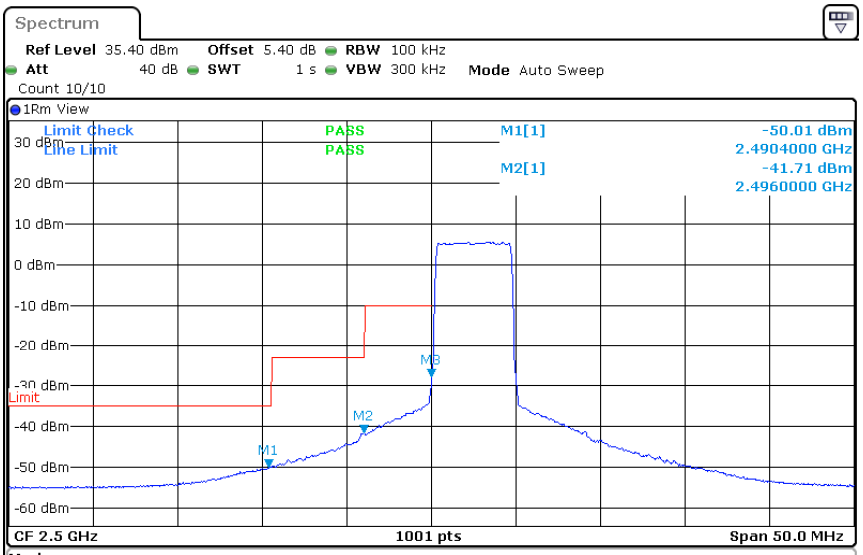
Date: 16.JUL.2020 04:55:17

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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
检验检测专用章 Inspection & Testing Services
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

Member of the SGS Group (SGS SA)

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

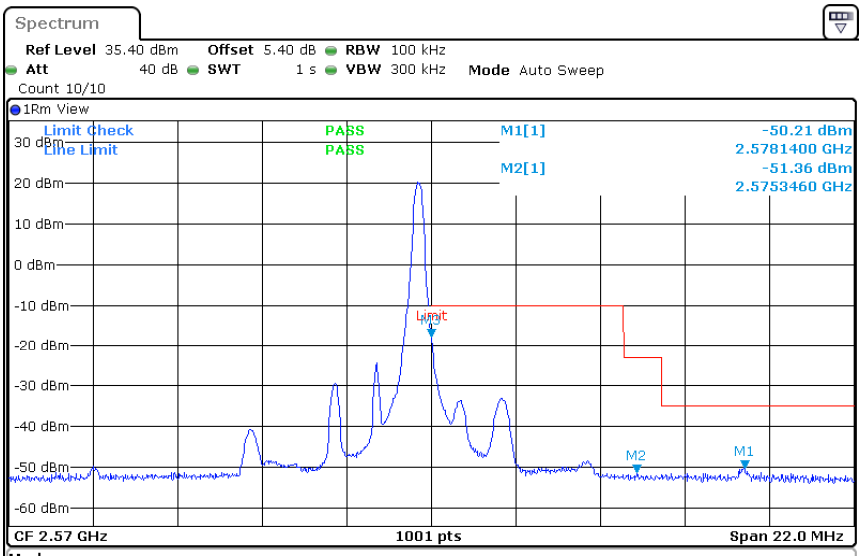


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4904 GHz	-50.01 dBm		
M2		1	2.496 GHz	-41.71 dBm		
M3		1	2.5 GHz	-27.87 dBm		

Date: 16.JUL.2020 04:56:51

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



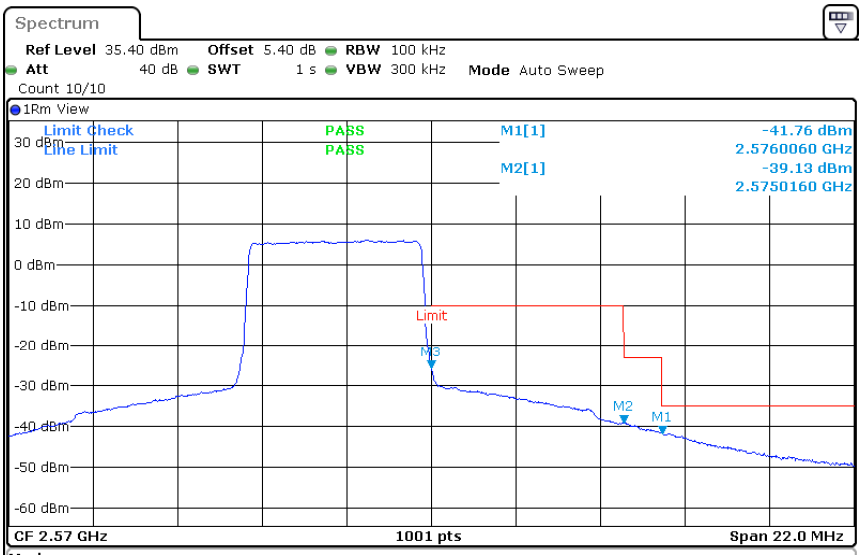
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.57814 GHz	-50.21 dBm		
M2		1	2.575346 GHz	-51.36 dBm		
M3		1	2.57 GHz	-17.66 dBm		

Date: 16.JUL.2020 04:56:04

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-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 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
Member of the SGS Group (SGS SA)

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

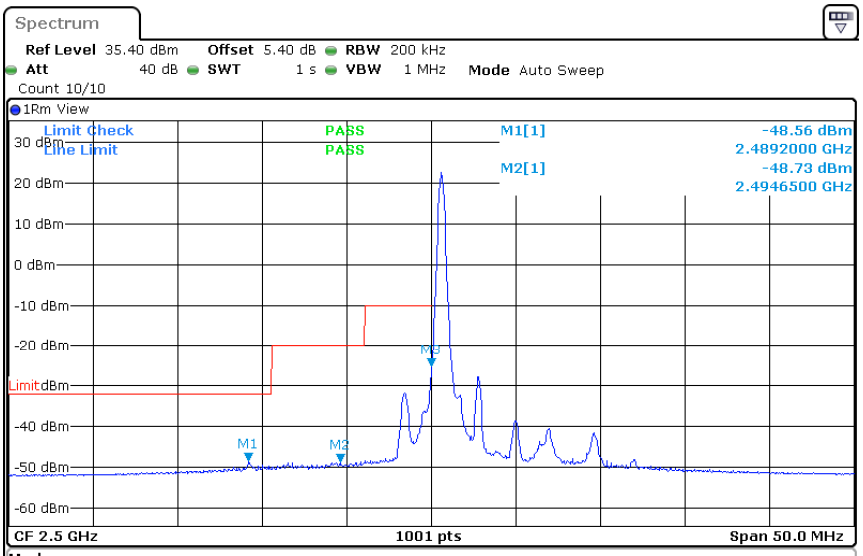


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.576006 GHz	-41.76 dBm		
M2		1	2.575016 GHz	-39.13 dBm		
M3		1	2.57 GHz	-25.58 dBm		

Date: 16.JUL.2020 04:57:33

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



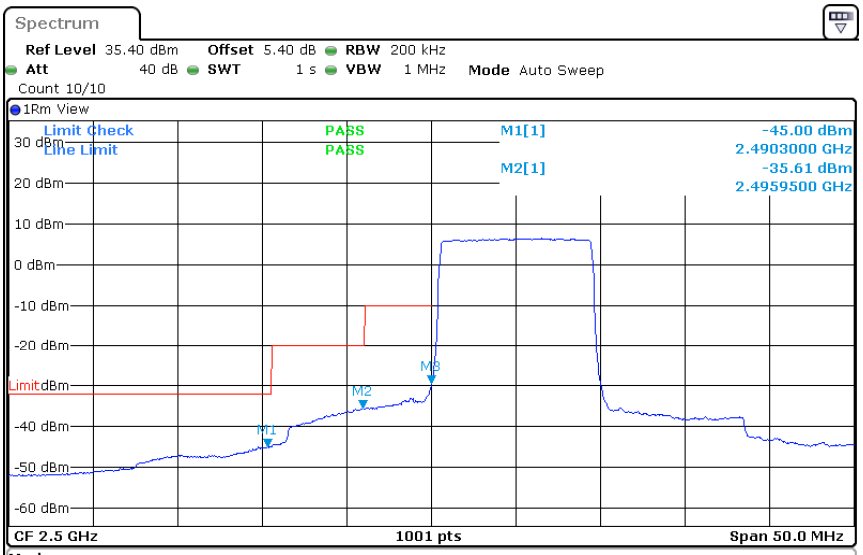
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4892 GHz	-48.56 dBm		
M2		1	2.49465 GHz	-48.73 dBm		
M3		1	2.5 GHz	-25.07 dBm		

Date: 16.JUL.2020 04:58:00

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 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
Member of the SGS Group (SGS SA)

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

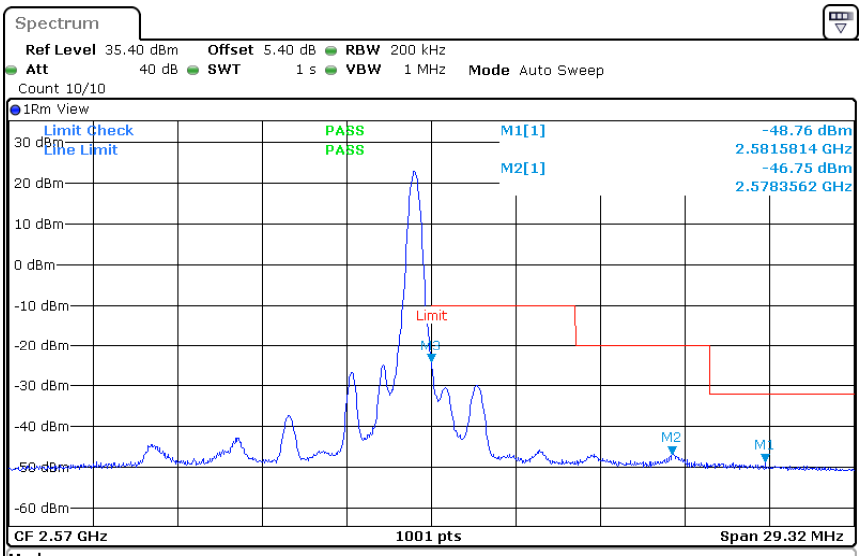


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4903 GHz	-45.00 dBm		
M2		1	2.49595 GHz	-35.61 dBm		
M3		1	2.5 GHz	-29.34 dBm		

Date: 16.JUL.2020 04:59:33

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



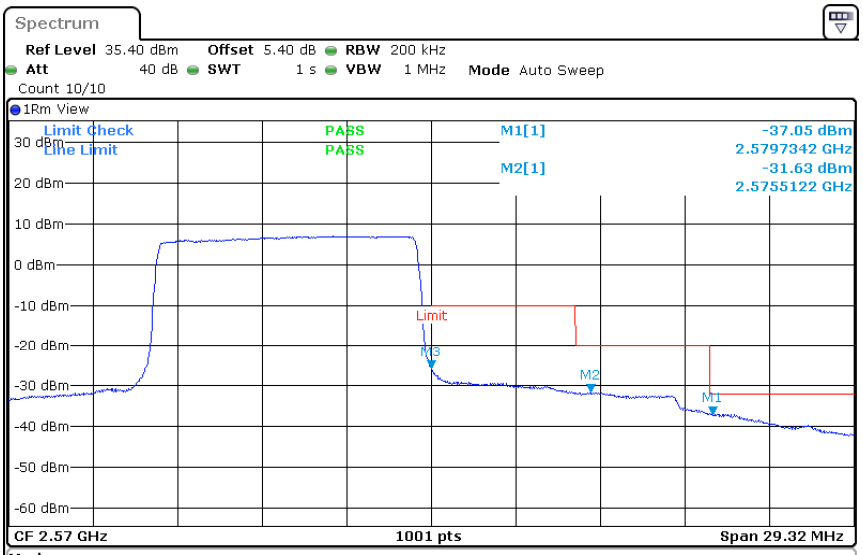
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5815814 GHz	-48.76 dBm		
M2		1	2.5783562 GHz	-46.75 dBm		
M3		1	2.57 GHz	-24.16 dBm		

Date: 16.JUL.2020 04:58:47

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
Member of the SGS Group (SGS SA)

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

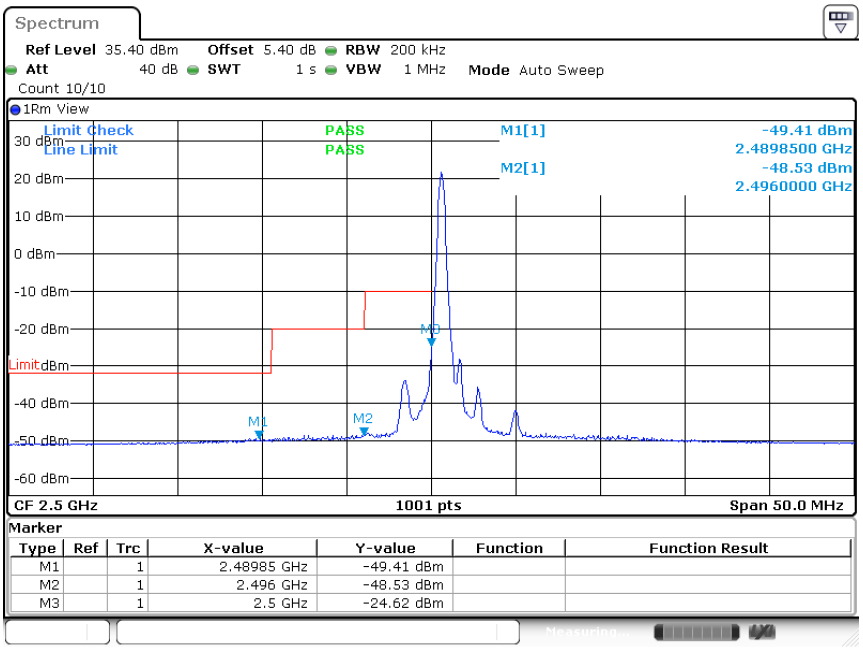


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5797342 GHz	-37.05 dBm		
M2		1	2.5755122 GHz	-31.63 dBm		
M3		1	2.57 GHz	-25.58 dBm		

Date: 16.JUL.2020 05:00:17

Band7-10MHz-64QAM-20800-1RB#0



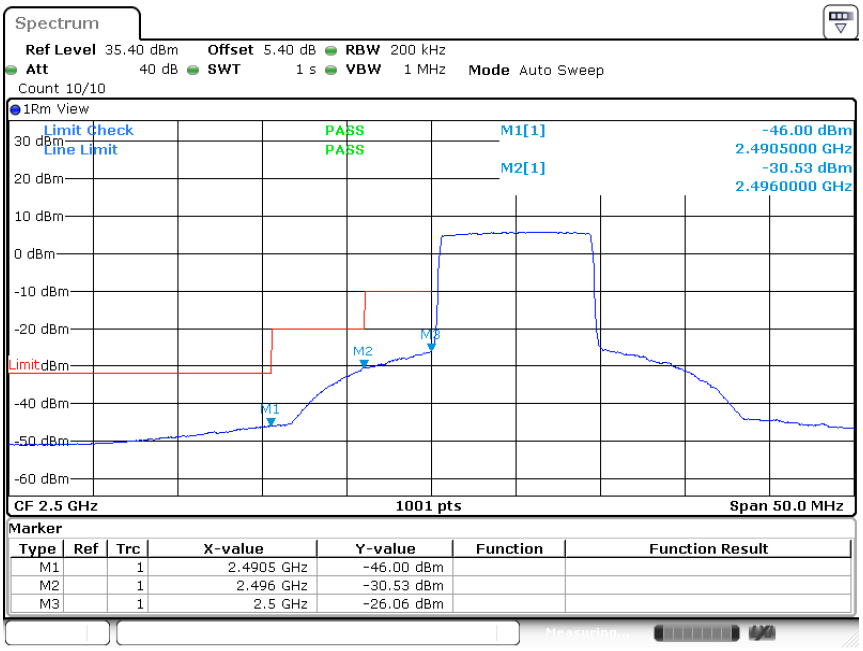
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48985 GHz	-49.41 dBm		
M2		1	2.496 GHz	-48.53 dBm		
M3		1	2.5 GHz	-24.62 dBm		

Date: 11.AUG.2020 00:04:43

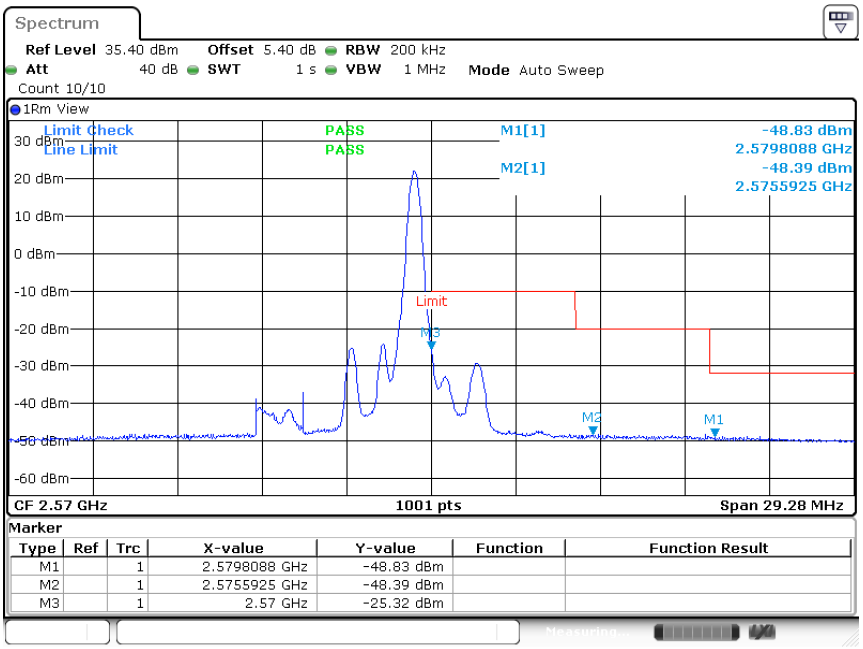
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-64QAM-20800-50RB#0



Date: 11.AUG.2020 00:05:37

Band7-10MHz-64QAM-21400-1RB#49



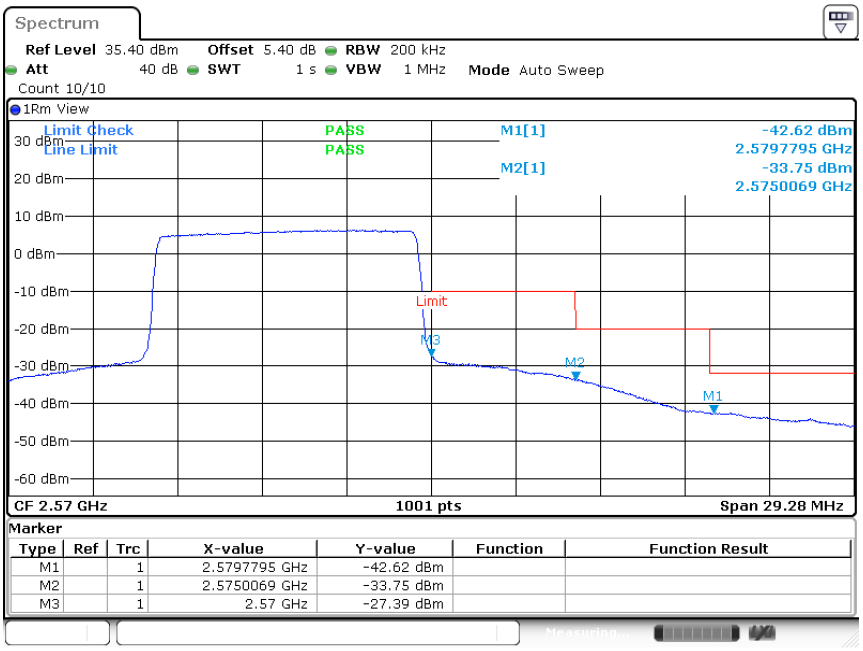
Date: 11.AUG.2020 00:05:10

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

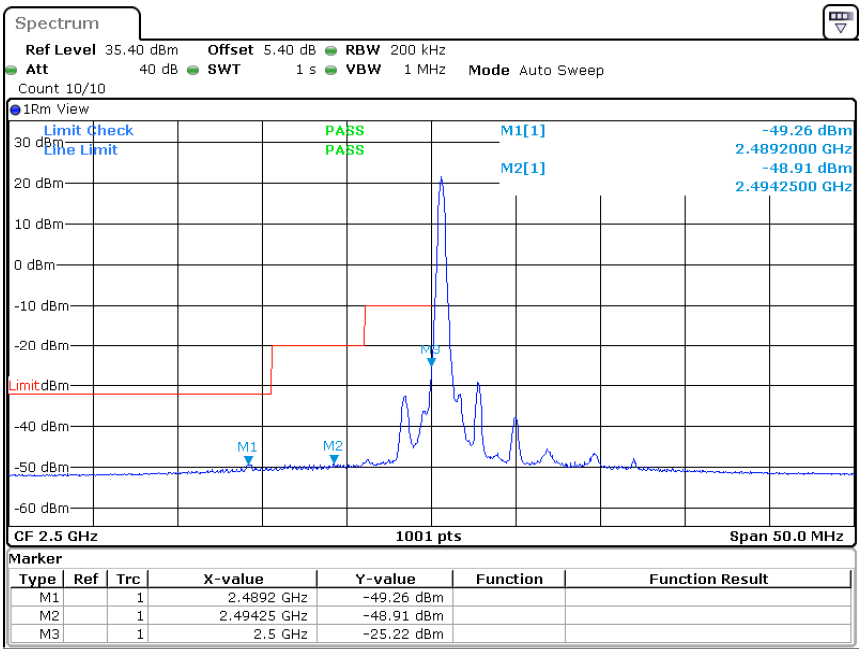
Member of the SGS Group (SGS SA)

Band7-10MHz-64QAM-21400-50RB#0



Date: 11.AUG.2020 00:05:58

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



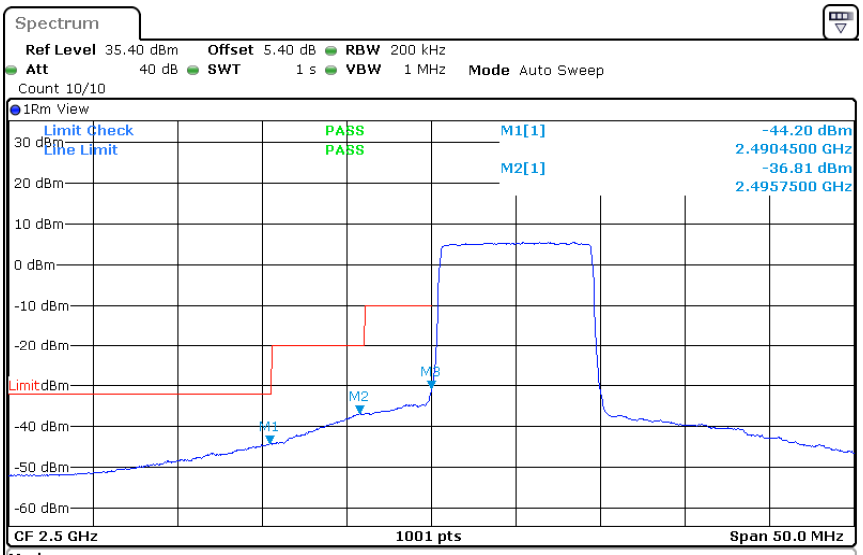
Date: 16.JUL.2020 04:58:21

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

Member of the SGS Group (SGS SA)

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

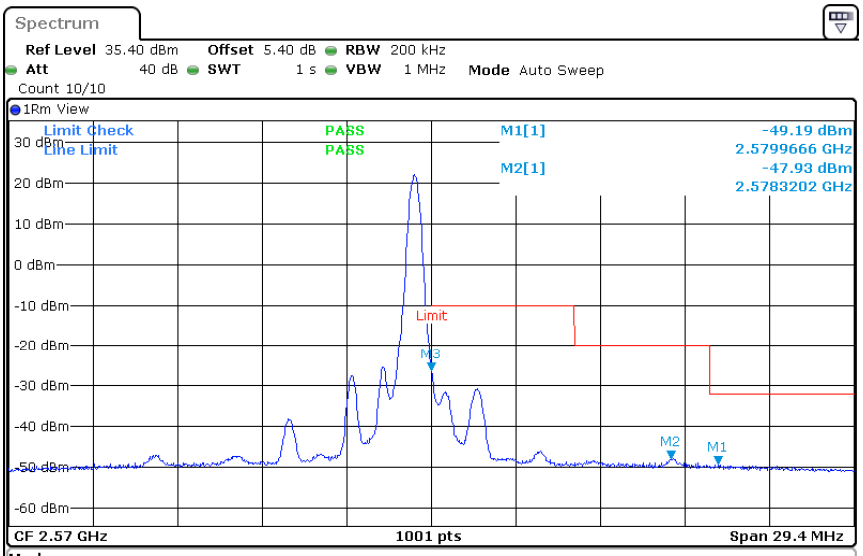


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.49045 GHz	-44.20 dBm		
M2		1	2.49575 GHz	-36.81 dBm		
M3		1	2.5 GHz	-30.82 dBm		

Date: 16.JUL.2020 04:59:55

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



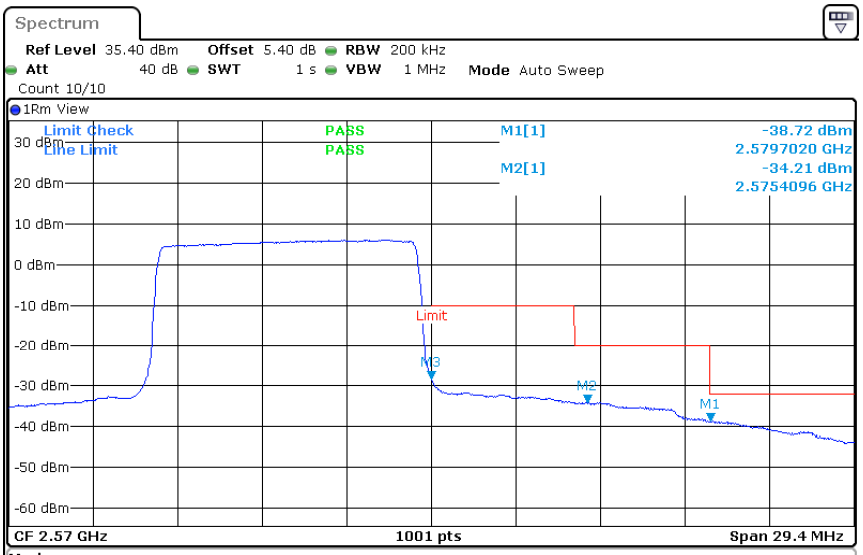
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5799666 GHz	-49.19 dBm		
M2		1	2.5783202 GHz	-47.93 dBm		
M3		1	2.57 GHz	-26.14 dBm		

Date: 16.JUL.2020 04:59:08

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 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
Member of the SGS Group (SGS SA)

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

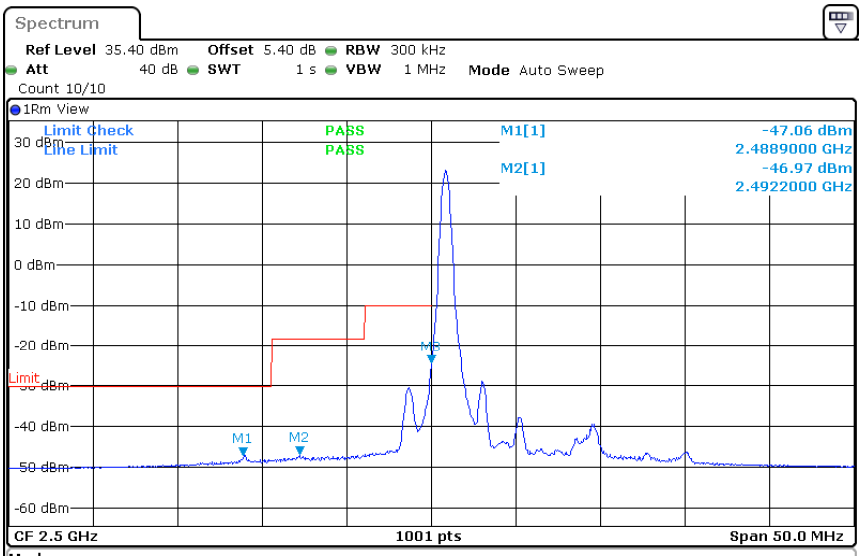


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.579702 GHz	-38.72 dBm		
M2		1	2.5754096 GHz	-34.21 dBm		
M3		1	2.57 GHz	-28.46 dBm		

Date: 16.JUL.2020 05:00:38

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



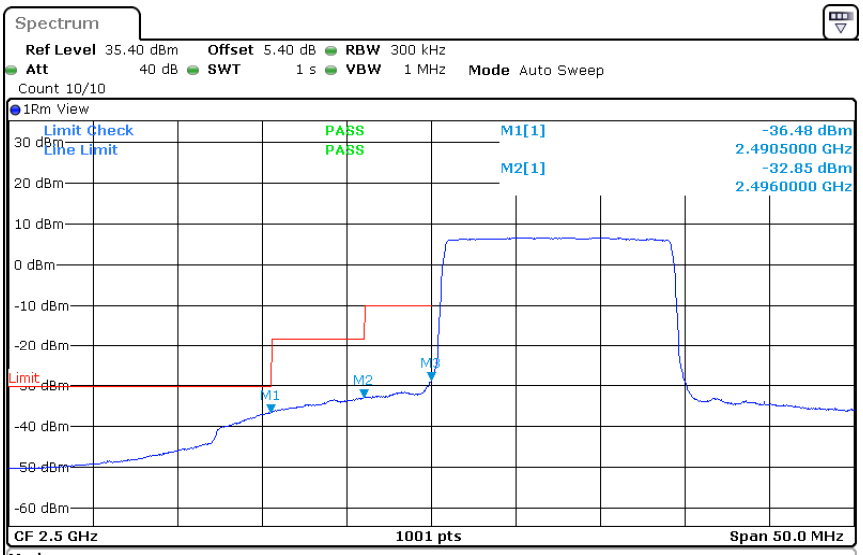
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4889 GHz	-47.06 dBm		
M2		1	2.4922 GHz	-46.97 dBm		
M3		1	2.5 GHz	-24.46 dBm		

Date: 16.JUL.2020 05:01:04

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-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 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
Member of the SGS Group (SGS SA)

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

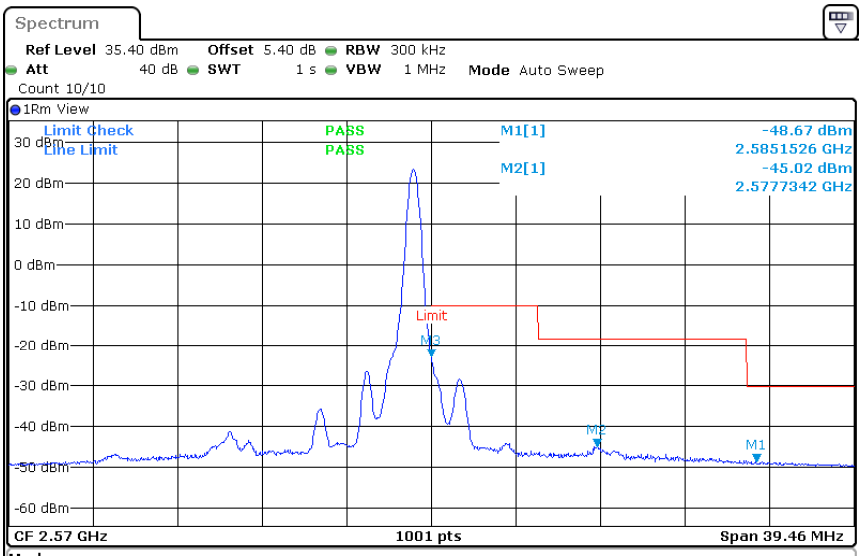


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4905 GHz	-36.48 dBm		
M2		1	2.496 GHz	-32.85 dBm		
M3		1	2.5 GHz	-28.54 dBm		

Date: 16.JUL.2020 05:02:38

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



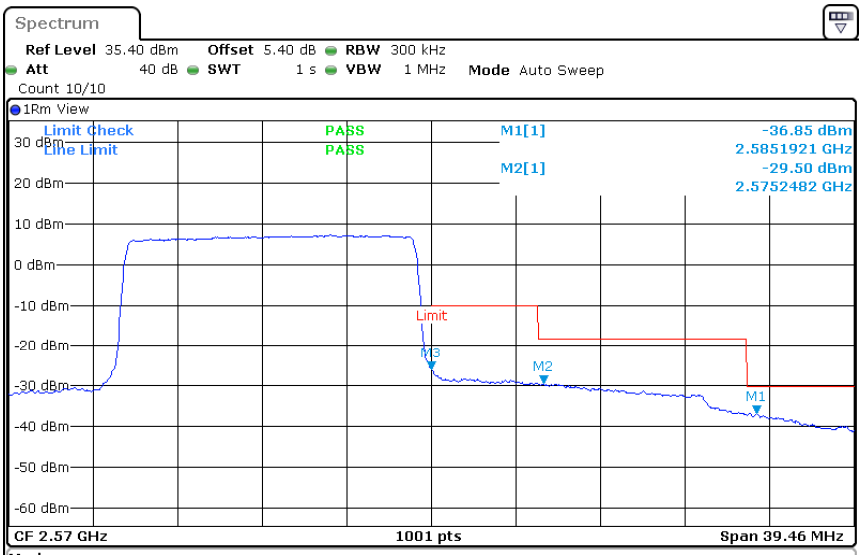
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5851526 GHz	-48.67 dBm		
M2		1	2.5777342 GHz	-45.02 dBm		
M3		1	2.57 GHz	-22.70 dBm		

Date: 16.JUL.2020 05:01:51

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

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

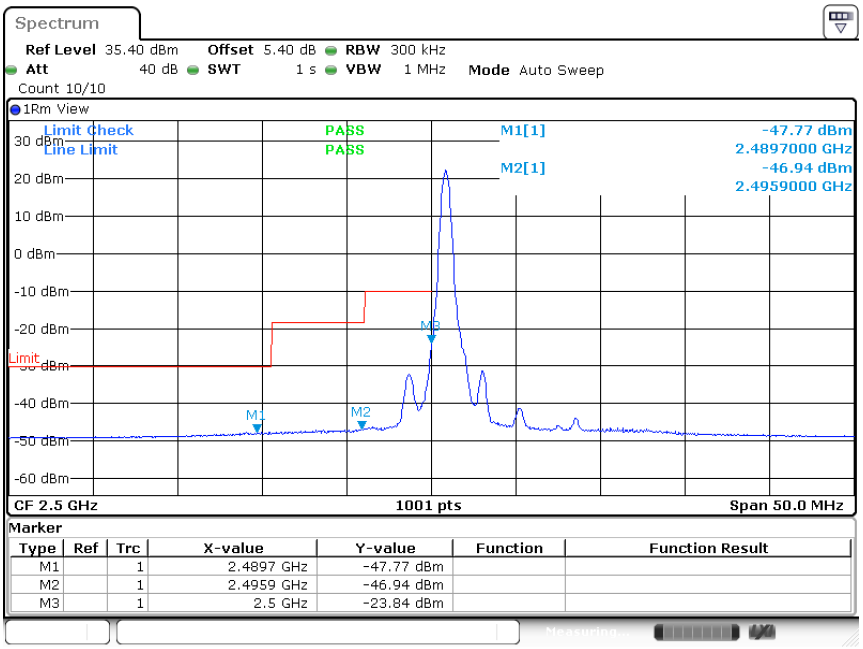


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5851921 GHz	-36.85 dBm		
M2		1	2.5752482 GHz	-29.50 dBm		
M3		1	2.57 GHz	-26.00 dBm		

Date: 16.JUL.2020 05:03:22

Band7-15MHz-64QAM-20825-1RB#0



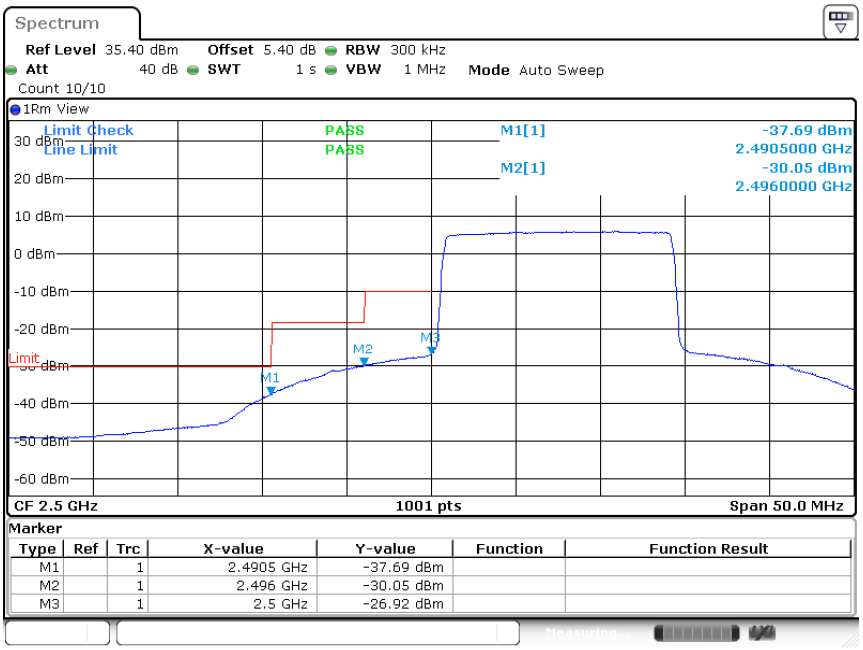
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4897 GHz	-47.77 dBm		
M2		1	2.4959 GHz	-46.94 dBm		
M3		1	2.5 GHz	-23.84 dBm		

Date: 11.AUG.2020 00:06:26

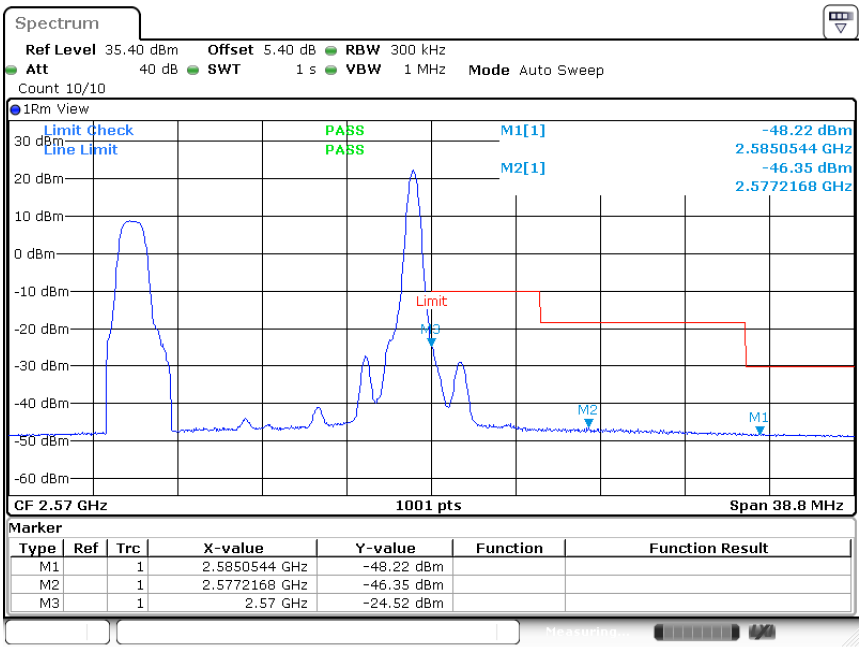
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-64QAM-20825-75RB#0



Date: 11.AUG.2020 00:07:20

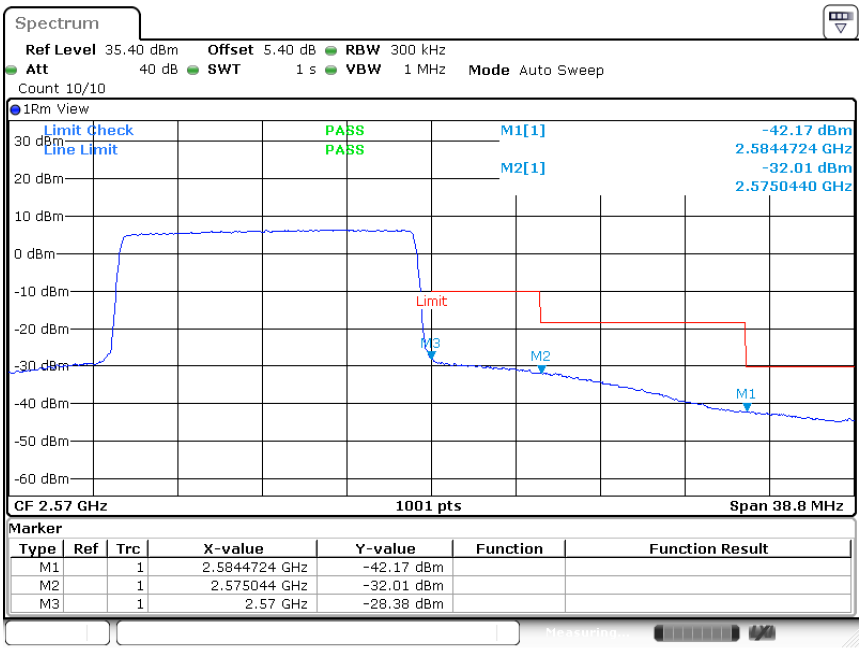
Band7-15MHz-64QAM-21375-1RB#74



Date: 11.AUG.2020 00:06:53

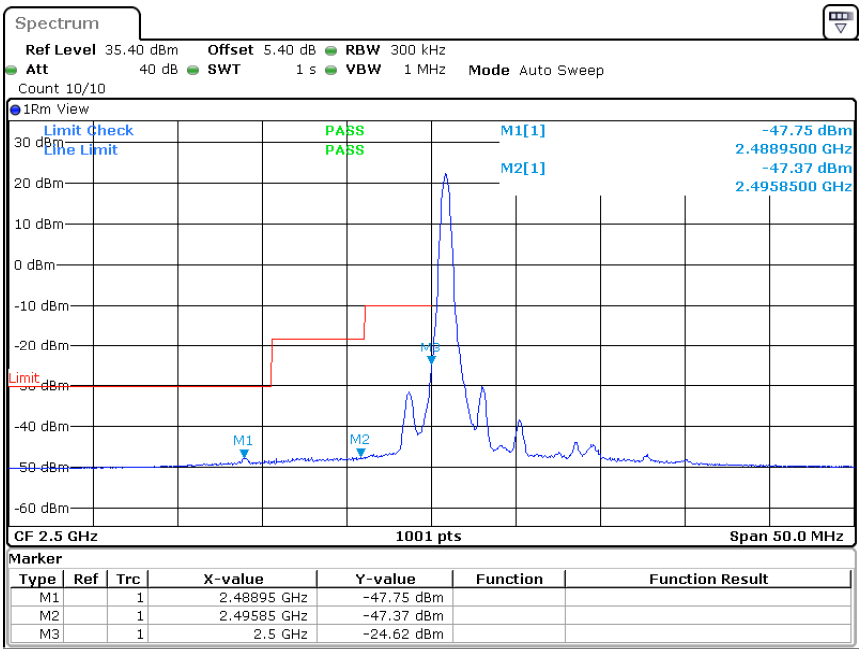
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-64QAM-21375-75RB#0



Date: 11.AUG.2020 00:07:41

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



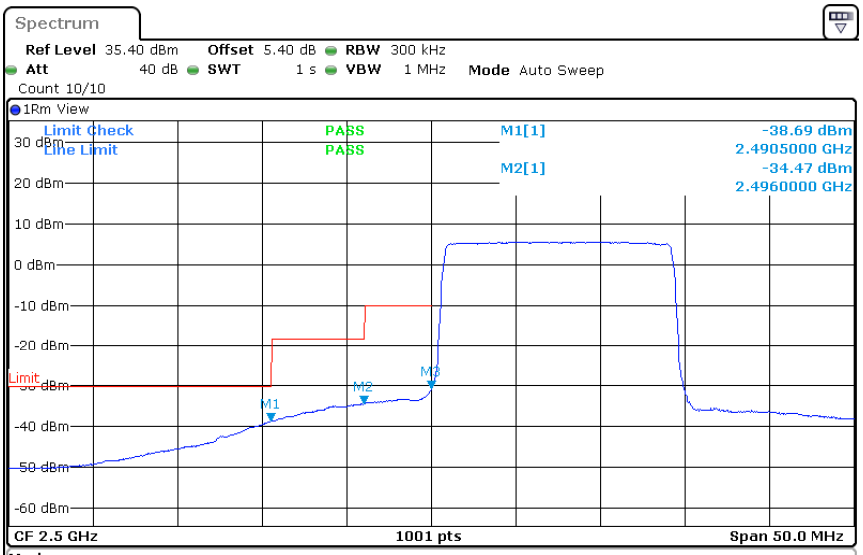
Date: 16.JUL.2020 05:01:25

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

Member of the SGS Group (SGS SA)

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

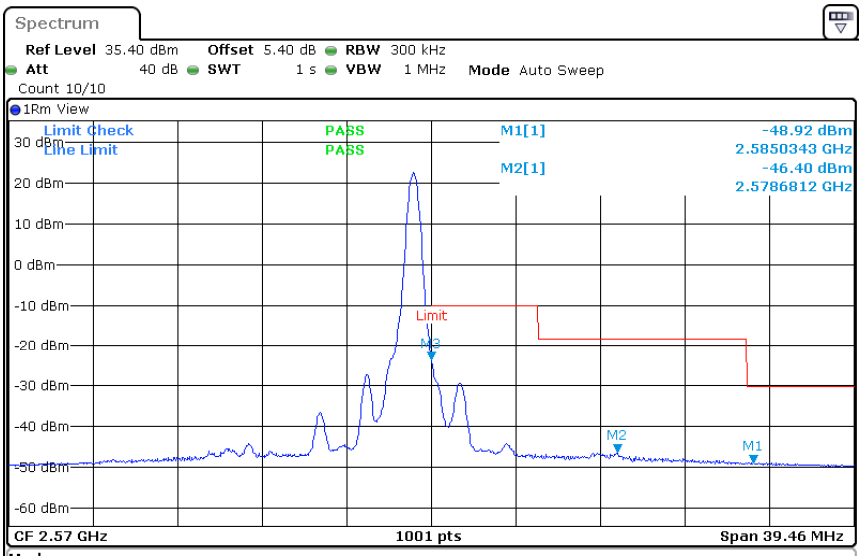


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4905 GHz	-38.69 dBm		
M2		1	2.496 GHz	-34.47 dBm		
M3		1	2.5 GHz	-30.72 dBm		

Date: 16.JUL.2020 05:03:00

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



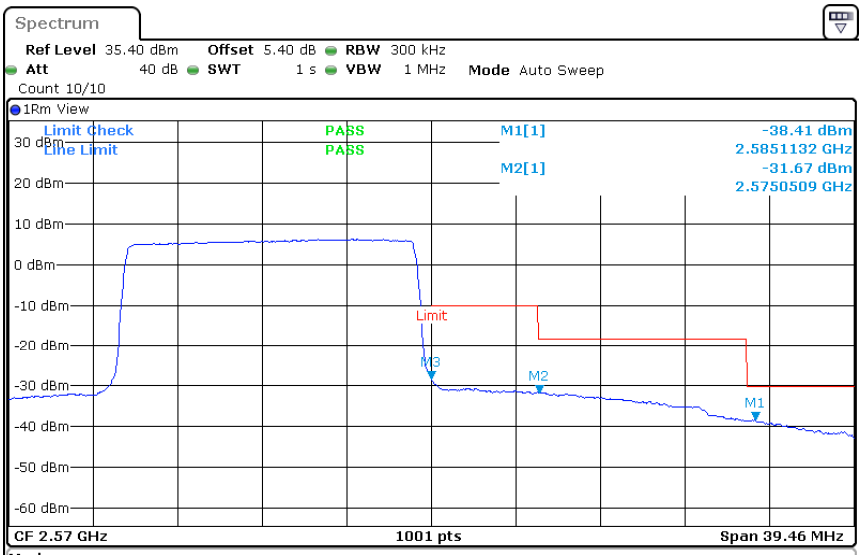
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5850343 GHz	-48.92 dBm		
M2		1	2.5786812 GHz	-46.40 dBm		
M3		1	2.57 GHz	-23.52 dBm		

Date: 16.JUL.2020 05:02:13

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-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 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
Member of the SGS Group (SGS SA)

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

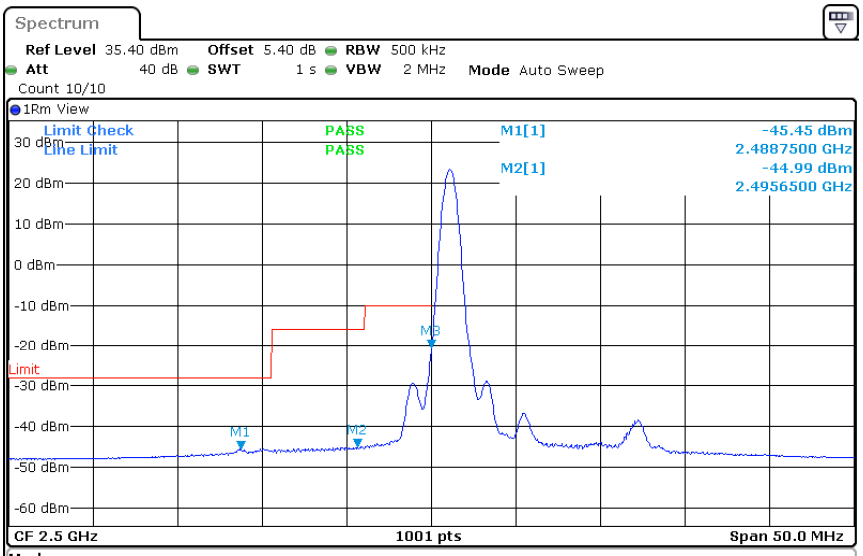


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5851132 GHz	-38.41 dBm		
M2		1	2.5750509 GHz	-31.67 dBm		
M3		1	2.57 GHz	-28.28 dBm		

Date: 16.JUL.2020 05:03:43

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48875 GHz	-45.45 dBm		
M2		1	2.49565 GHz	-44.99 dBm		
M3		1	2.5 GHz	-20.39 dBm		

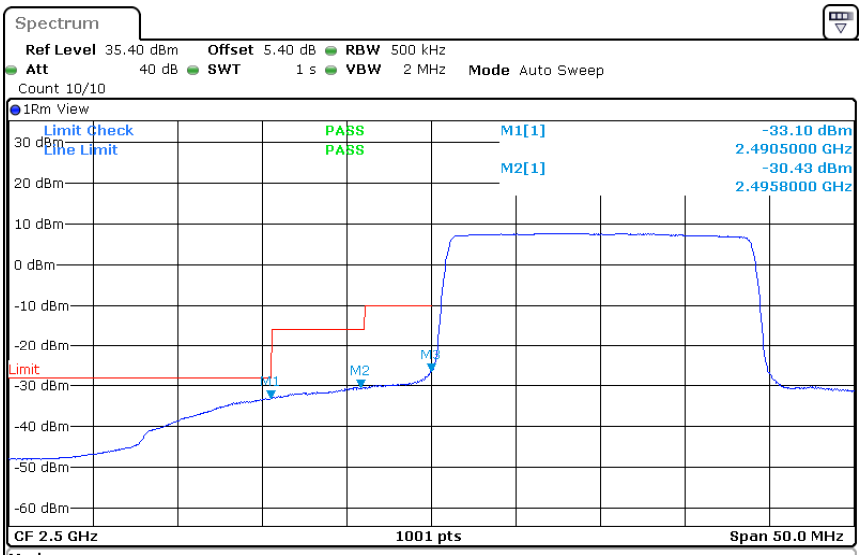
Date: 16.JUL.2020 05:04:09

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

Member of the SGS Group (SGS SA)

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

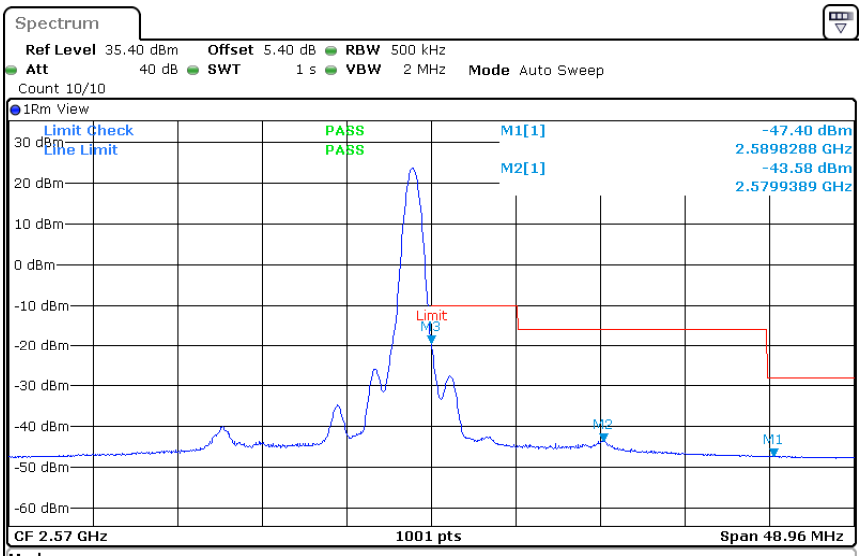


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4905 GHz	-33.10 dBm		
M2		1	2.4958 GHz	-30.43 dBm		
M3		1	2.5 GHz	-26.44 dBm		

Date: 16.JUL.2020 05:05:44

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5898288 GHz	-47.40 dBm		
M2		1	2.5799389 GHz	-43.58 dBm		
M3		1	2.57 GHz	-19.24 dBm		

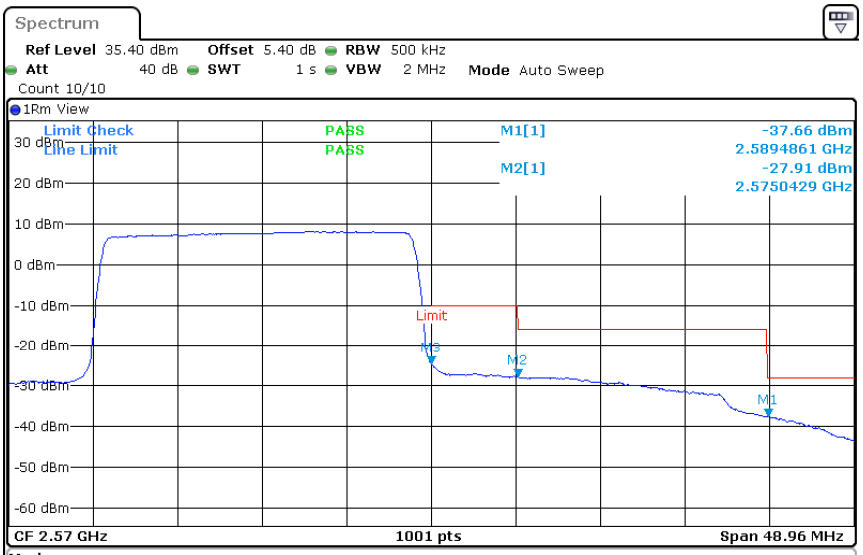
Date: 16.JUL.2020 05:04:57

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 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

Member of the SGS Group (SGS SA)

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

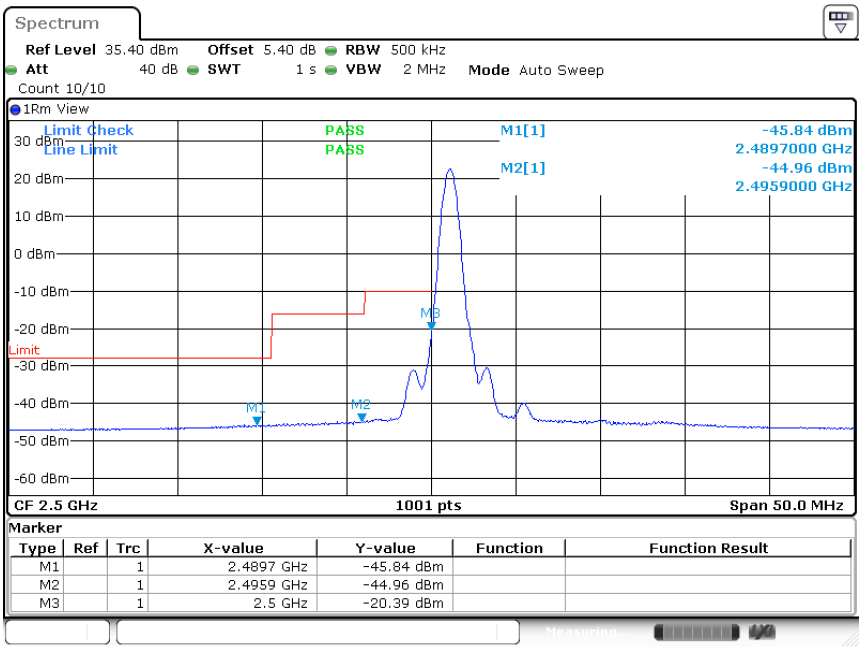


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5894861 GHz	-37.66 dBm		
M2		1	2.5750429 GHz	-27.91 dBm		
M3		1	2.57 GHz	-24.77 dBm		

Date: 16.JUL.2020 05:06:27

Band7-20MHz-64QAM-20850-1RB#0



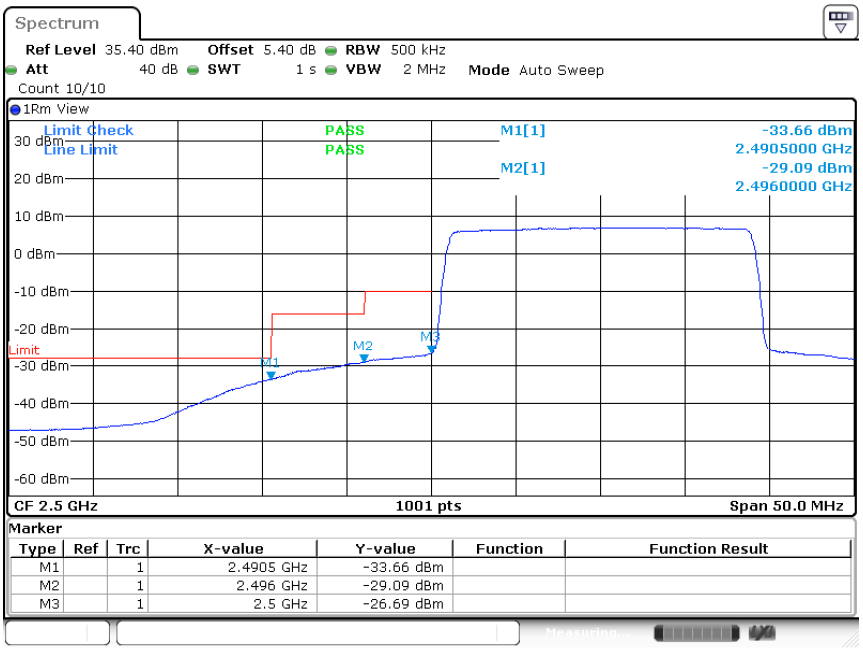
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4897 GHz	-45.84 dBm		
M2		1	2.4959 GHz	-44.96 dBm		
M3		1	2.5 GHz	-20.39 dBm		

Date: 11.AUG.2020 00:08:09

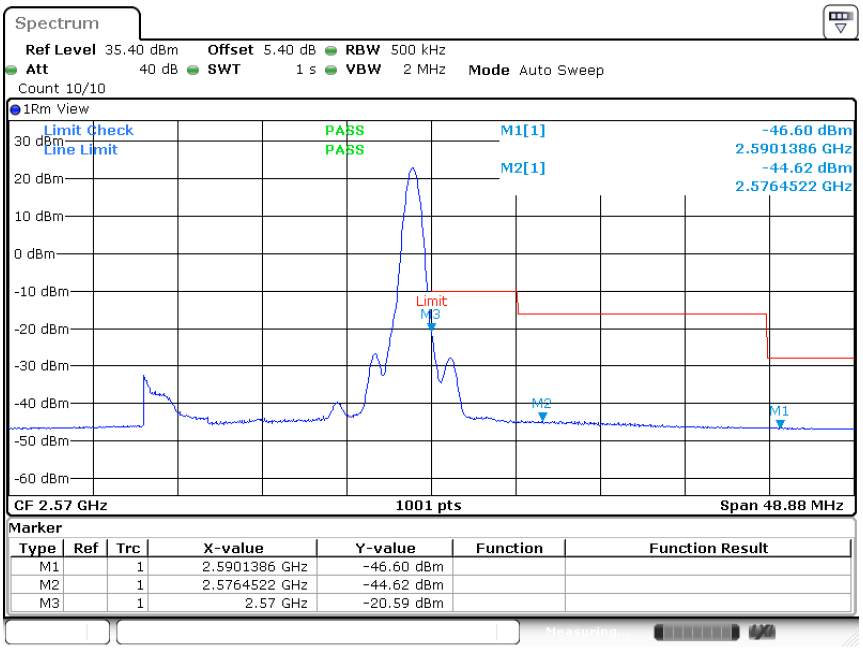
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-20850-100RB#0



Date: 11.AUG.2020 00:09:03

Band7-20MHz-64QAM-21350-1RB#99



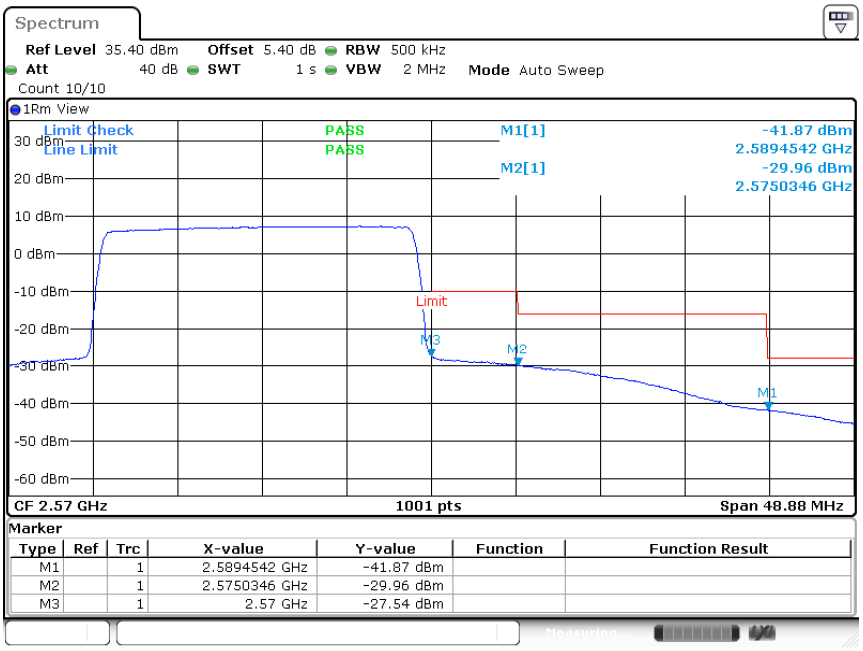
Date: 11.AUG.2020 00:08:36

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 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

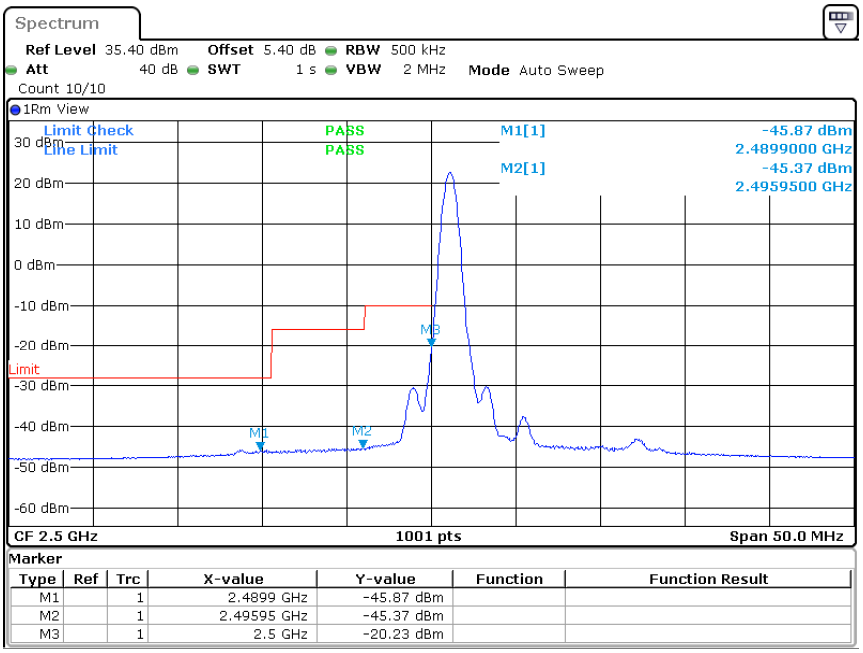
Member of the SGS Group (SGS SA)

Band7-20MHz-64QAM-21350-100RB#0



Date: 11.AUG.2020 00:09:24

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



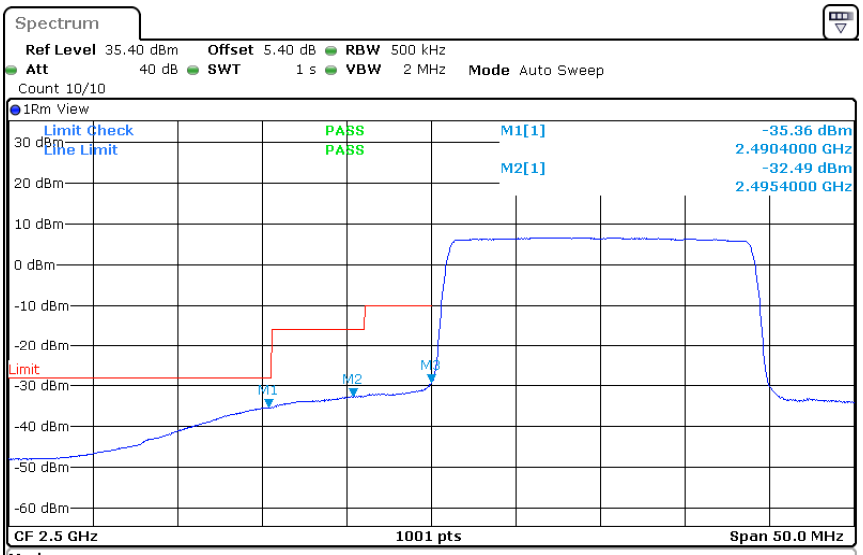
Date: 16.JUL.2020 05:04:30

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

Member of the SGS Group (SGS SA)

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

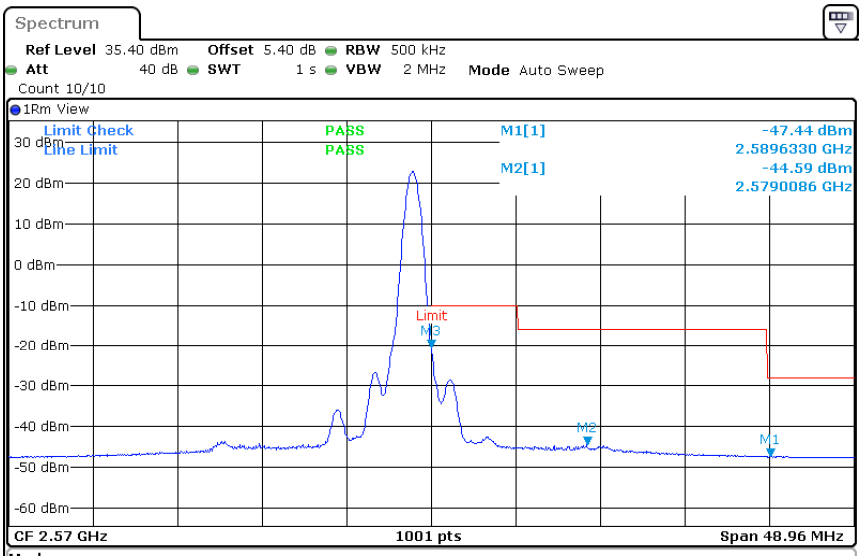


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4904 GHz	-35.36 dBm		
M2		1	2.4954 GHz	-32.49 dBm		
M3		1	2.5 GHz	-29.16 dBm		

Date: 16.JUL.2020 05:06:05

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



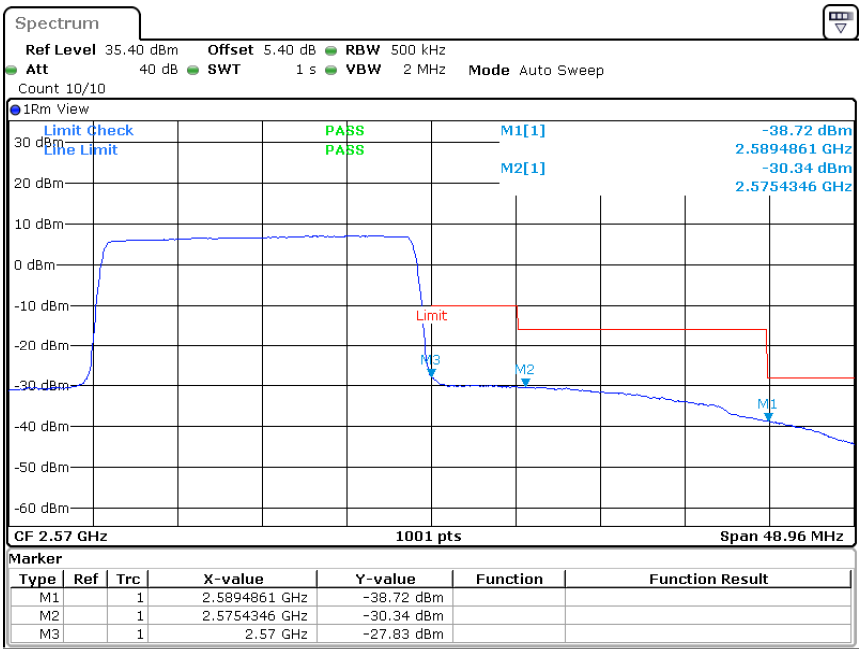
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.589633 GHz	-47.44 dBm		
M2		1	2.5790086 GHz	-44.59 dBm		
M3		1	2.57 GHz	-20.55 dBm		

Date: 16.JUL.2020 05:05:18

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

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-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

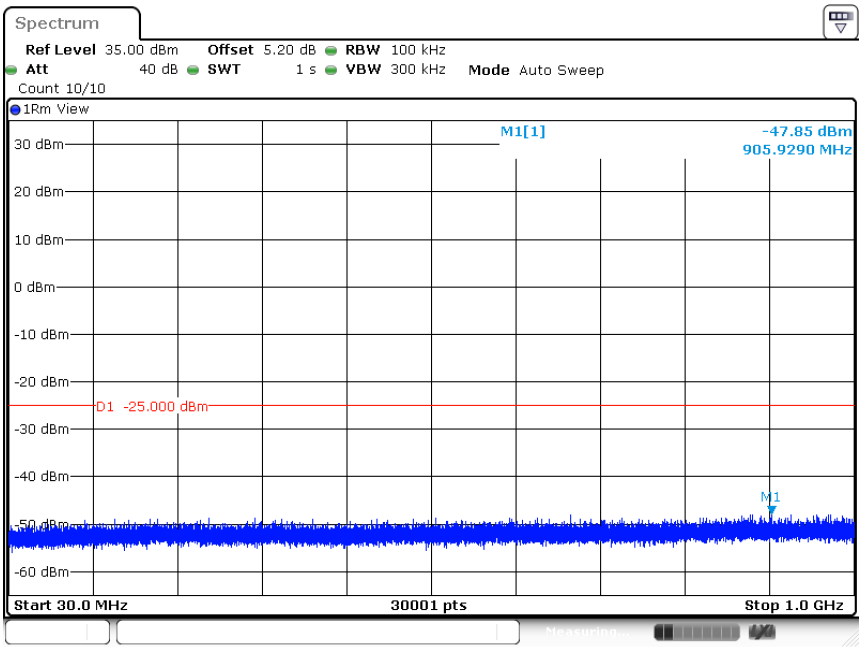
6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Plots

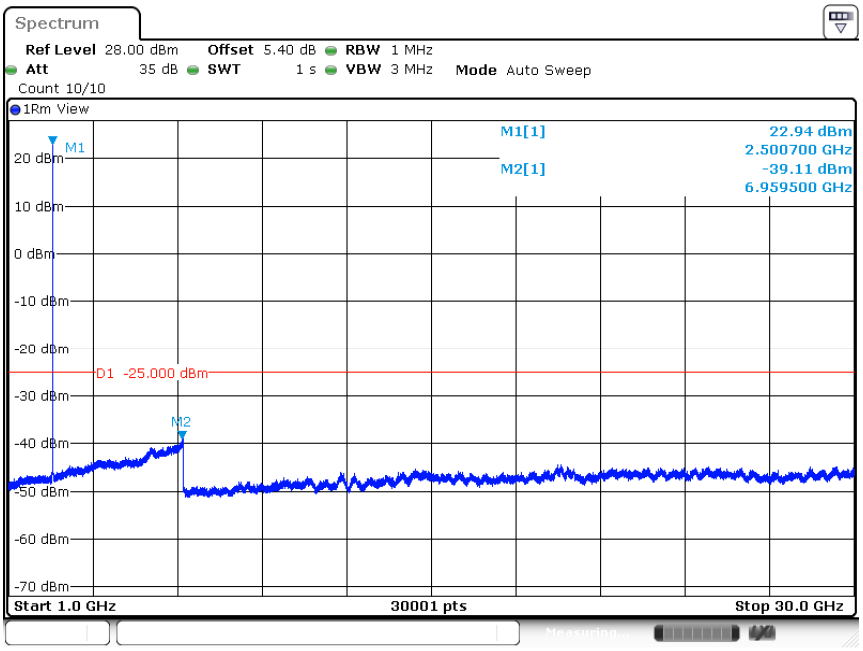
Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:50:10

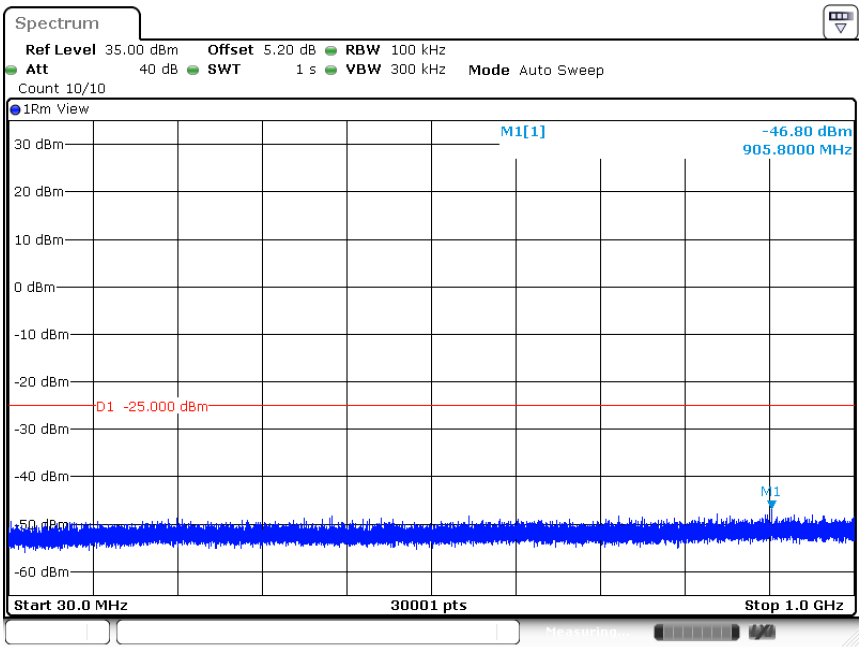
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 10.AUG.2020 22:50:26

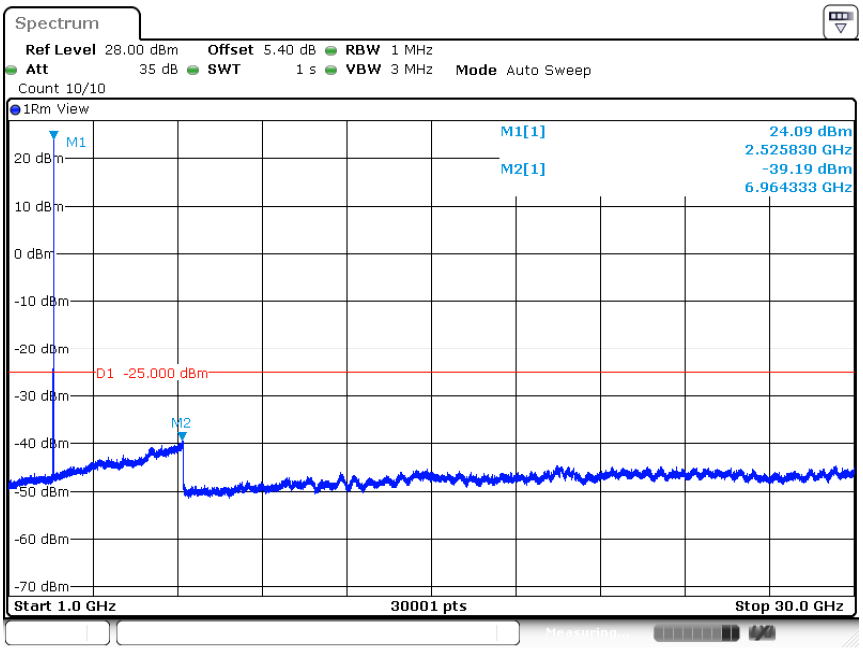
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:51:20

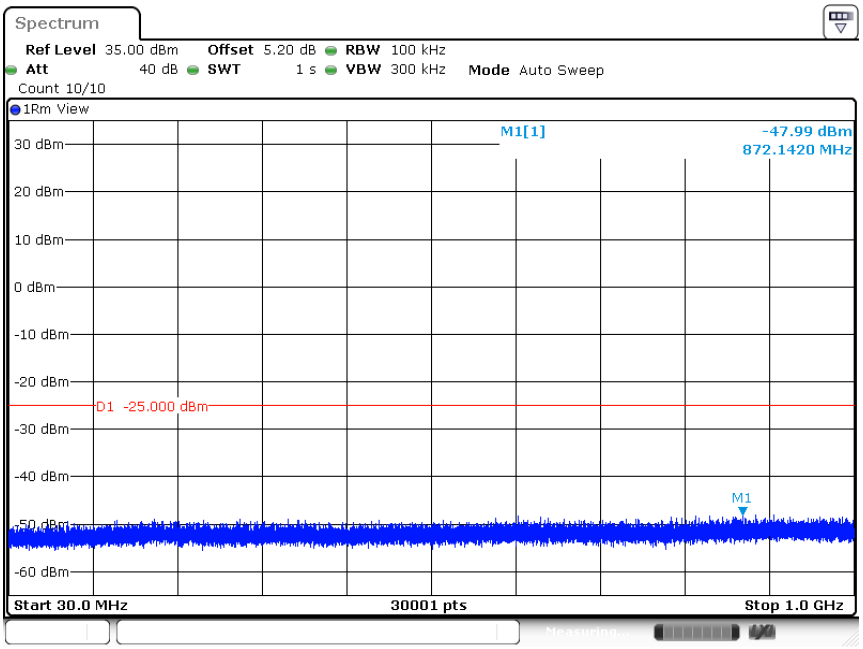
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 10.AUG.2020 22:51:37

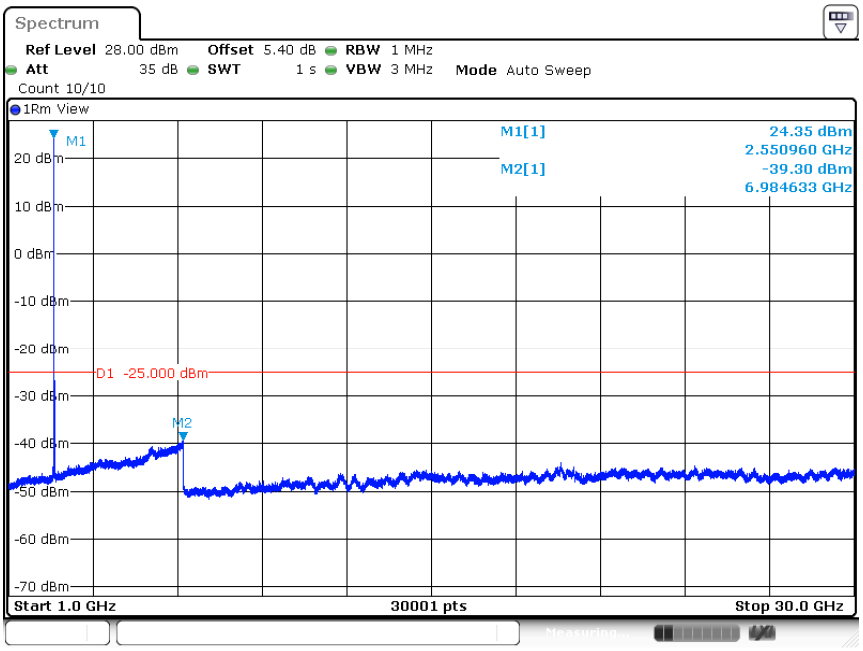
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:52:31

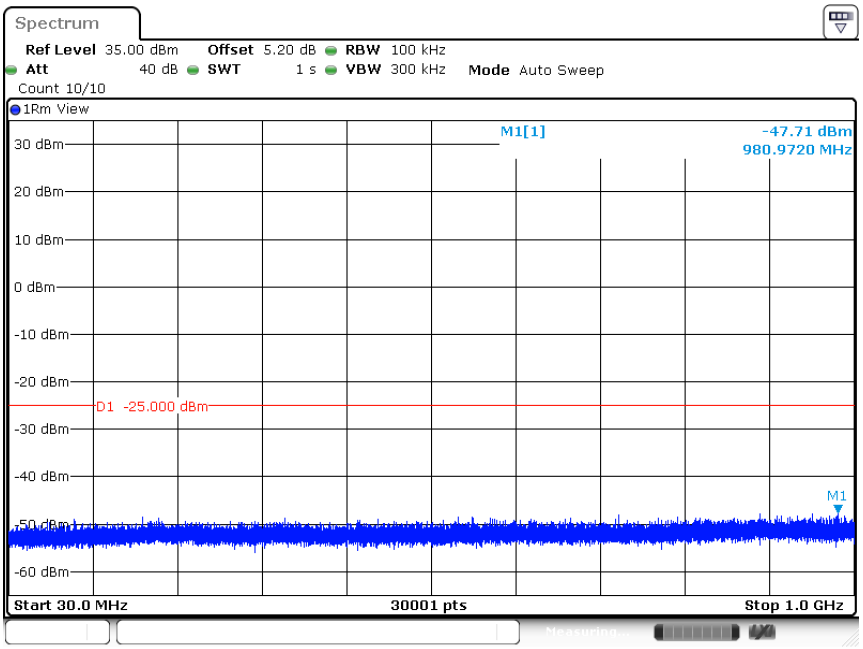
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 10.AUG.2020 22:52:47

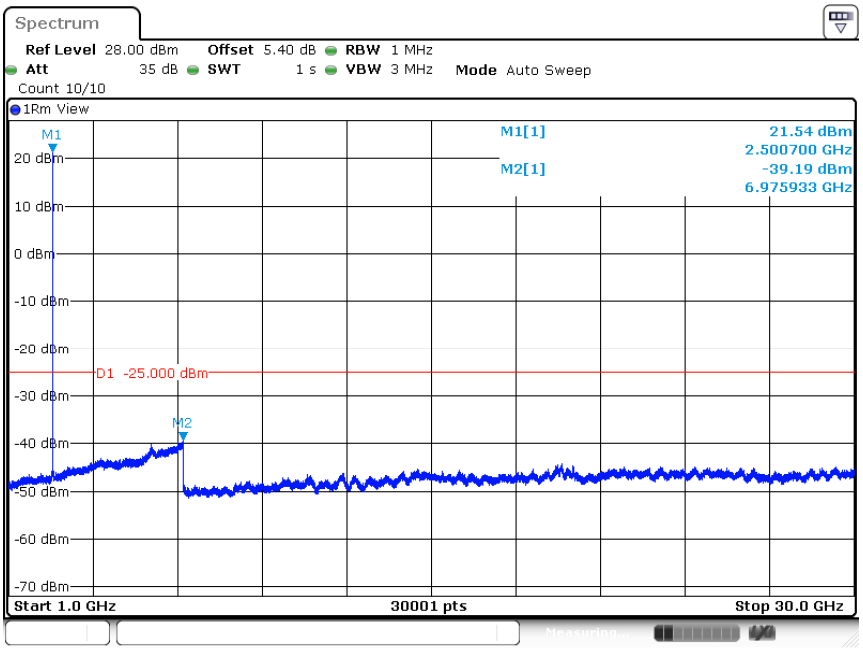
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 11.AUG.2020 00:09:48

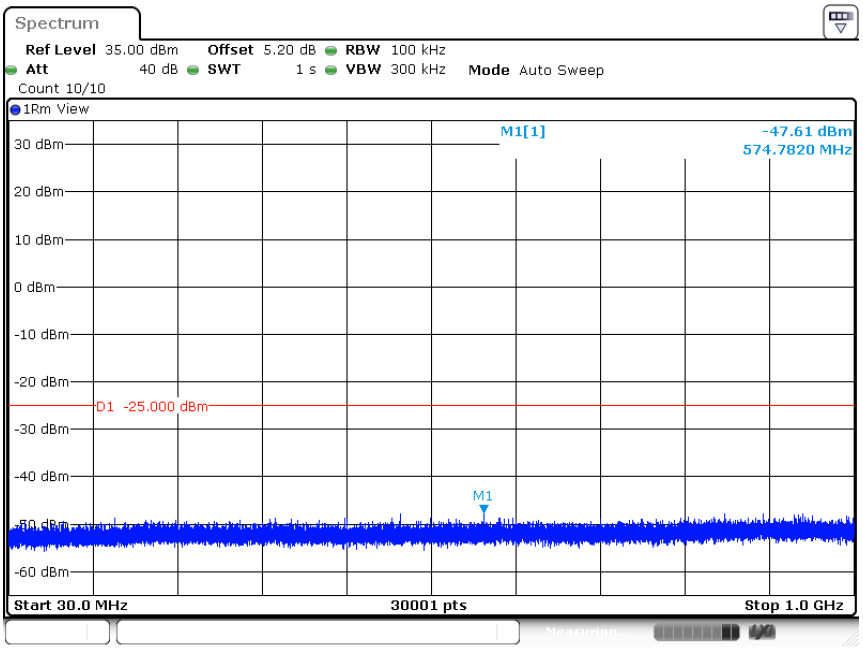
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 11.AUG.2020 00:10:05

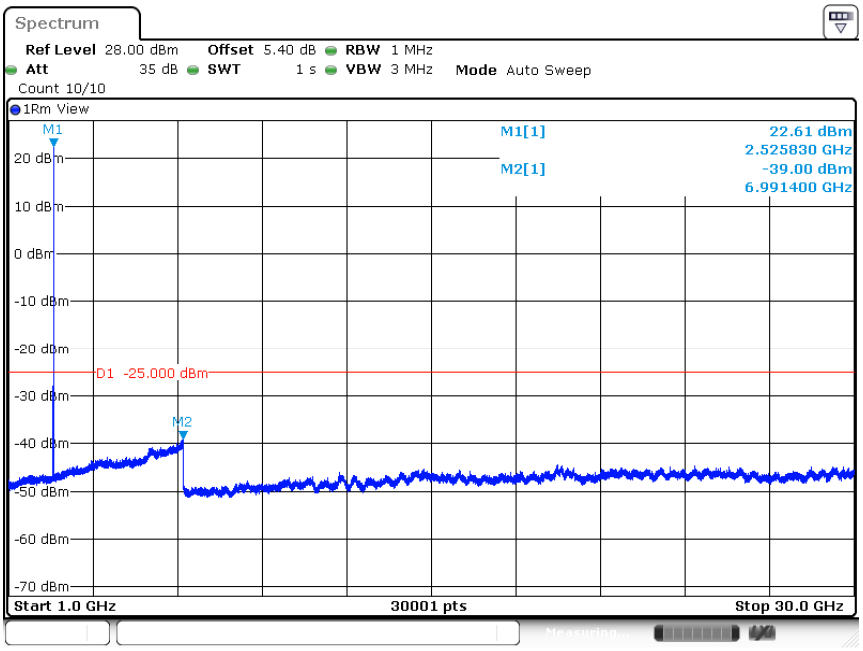
Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 11.AUG.2020 00:10:24

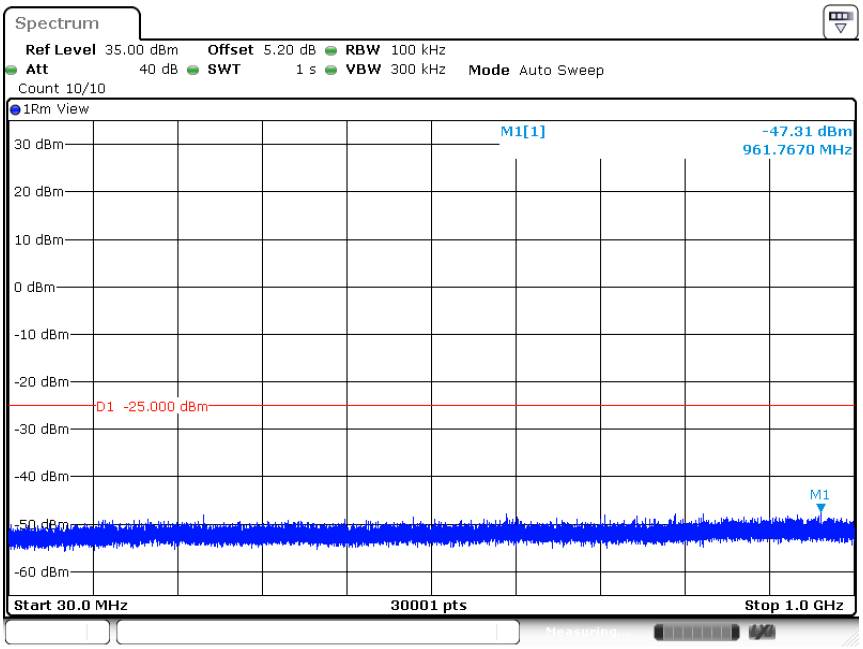
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 11.AUG.2020 00:10:40

Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz

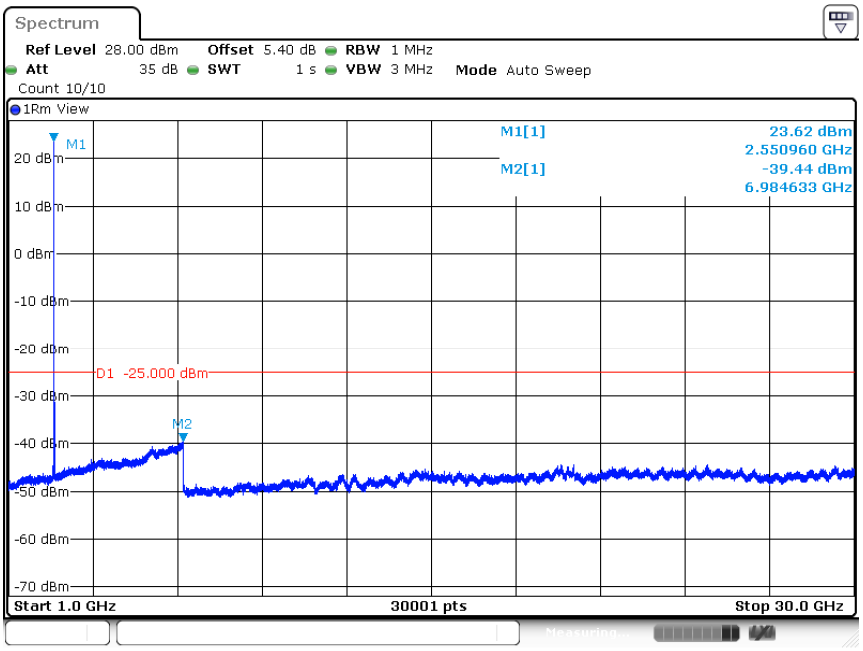


Date: 11.AUG.2020 00:10:59

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

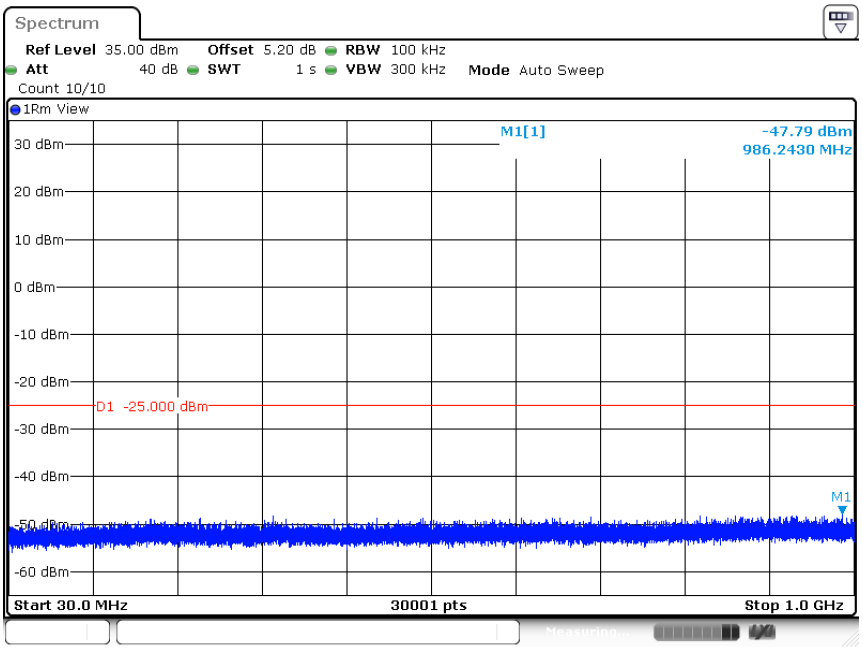
SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch Testing Center EEC Laboratory.
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 11.AUG.2020 00:11:15

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

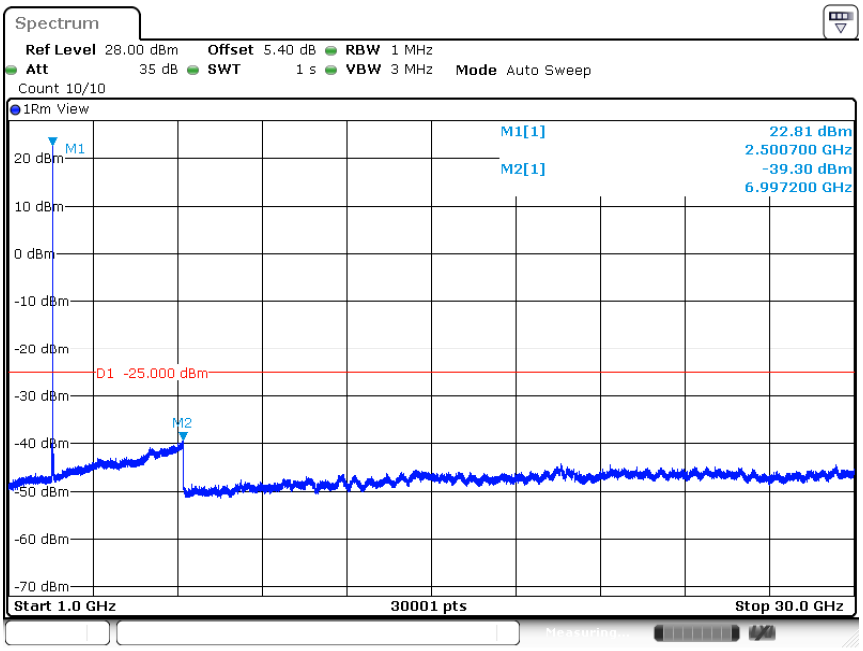


Date: 10.AUG.2020 22:50:45

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

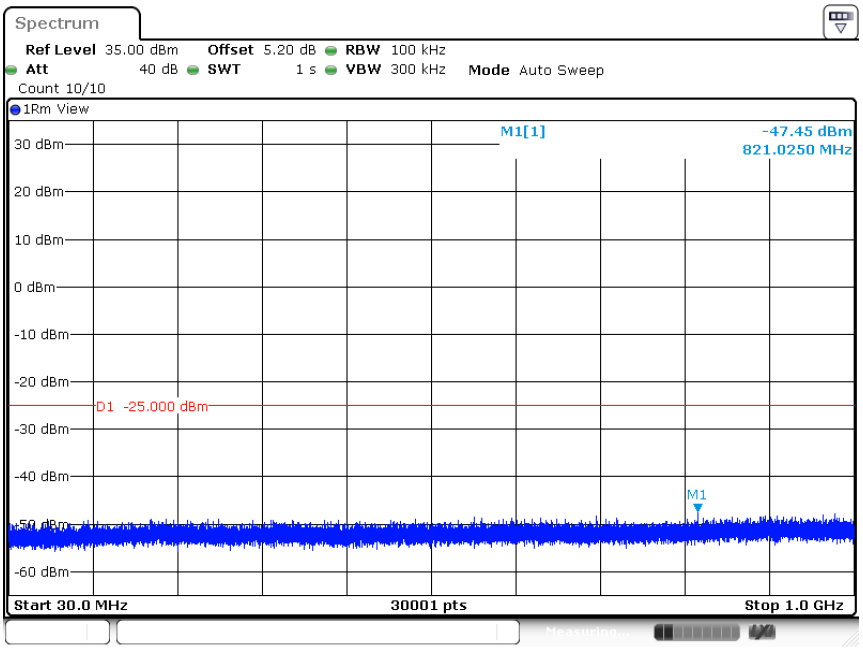
SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch Testing Center EEC Laboratory.
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 10.AUG.2020 22:51:01

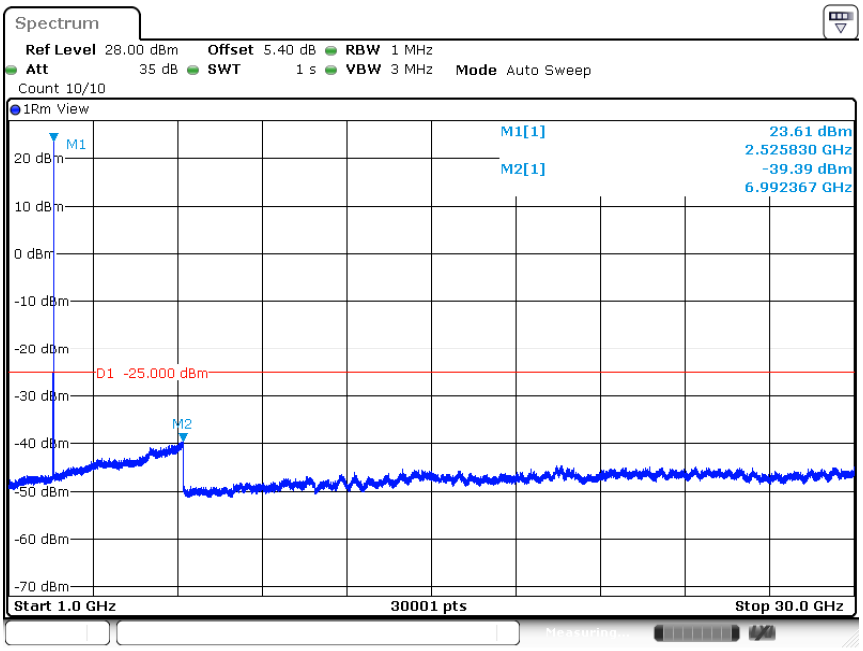
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:51:56

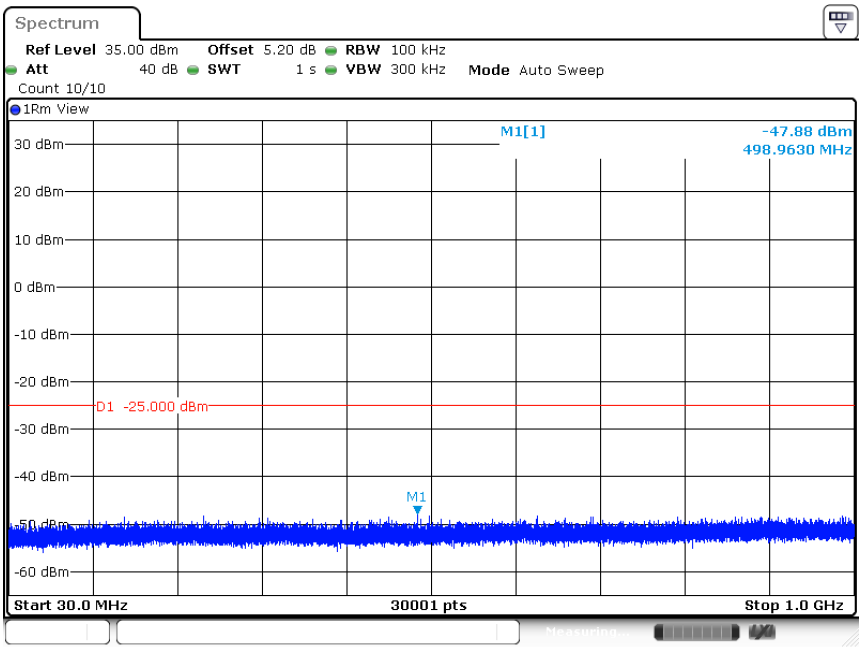
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 10.AUG.2020 22:52:12

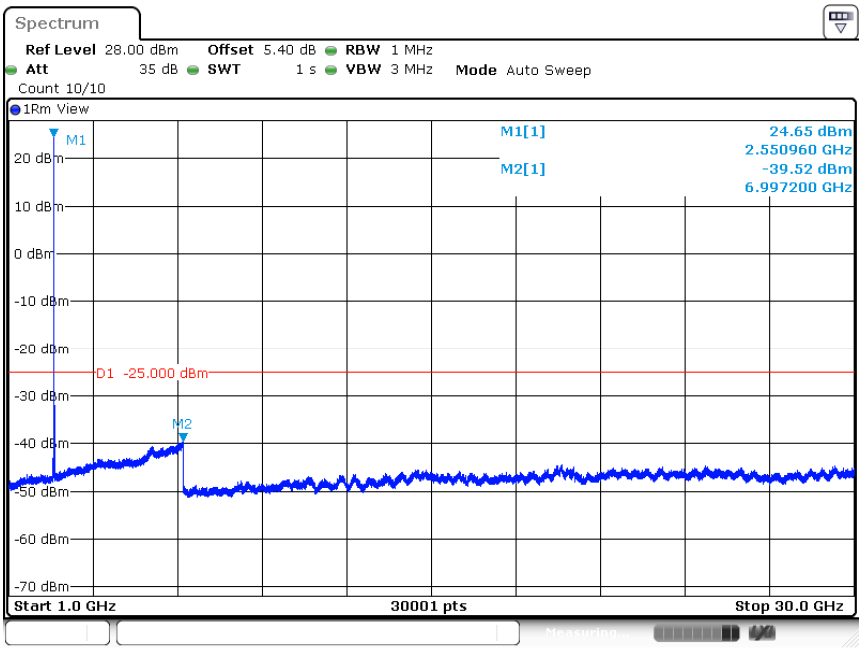
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:53:06

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

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



Date: 10.AUG.2020 22:53:22

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

Member of the SGS Group (SGS SA)

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
73.9917	-65.81	-25.00	40.81	Vertical
390.2760	-68.85	-25.00	43.85	Vertical
1280.8562	-49.28	-25.00	24.28	Vertical
5002.2801	-48.50	-25.00	23.50	Vertical
10004.0802	-51.58	-25.00	26.58	Vertical
17997.5999	-42.40	-25.00	17.40	Vertical
42.9501	-64.53	-25.00	39.53	Horizontal
225.5133	-68.67	-25.00	43.67	Horizontal
638.8509	-64.15	-25.00	39.15	Horizontal
1780.1560	-43.45	-25.00	18.45	Horizontal
5002.2801	-54.74	-25.00	29.74	Horizontal
16409.3364	-45.44	-25.00	20.44	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
74.4767	-65.41	-25.00	40.41	Vertical
343.2772	-68.77	-25.00	43.77	Vertical
1488.0976	-47.71	-25.00	22.71	Vertical
5052.0821	-47.19	-25.00	22.19	Vertical
10104.2842	-51.19	-25.00	26.19	Vertical
17998.1999	-42.54	-25.00	17.54	Vertical
47.2184	-64.81	-25.00	39.81	Horizontal
245.7873	-68.76	-25.00	43.76	Horizontal
620.8565	-64.85	-25.00	39.85	Horizontal
1798.1596	-44.59	-25.00	19.59	Horizontal
5052.0821	-53.14	-25.00	28.14	Horizontal
16374.5350	-46.12	-25.00	21.12	Horizontal

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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
73.9917	-65.18	-25.00	40.18	Vertical
340.2215	-69.93	-25.00	44.93	Vertical
1234.8470	-49.48	-25.00	24.48	Vertical
5101.8841	-45.18	-25.00	20.18	Vertical
10204.4882	-50.45	-25.00	25.45	Vertical
17998.8000	-42.38	-25.00	17.38	Vertical
42.9987	-64.61	-25.00	39.61	Horizontal
229.9755	-69.28	-25.00	44.28	Horizontal
514.2967	-66.56	-25.00	41.56	Horizontal
1621.7243	-46.01	-25.00	21.01	Horizontal
5101.8841	-54.68	-25.00	29.68	Horizontal
16398.5359	-46.02	-25.00	21.02	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.

通标标准技术服务有限公司深圳分公司
检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co.,Ltd.
Shenzhen Branch Testing Center-EEC 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

8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-19.50	-0.007769	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-15.20	-0.006056	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-16.90	-0.006733	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-5.40	-0.002130	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	7.30	0.002880	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-9.90	-0.003905	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-1.70	-0.000664	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-5.50	-0.002148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-6.70	-0.002617	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	-15.40	-0.006135	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-14.50	-0.005777	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	9.50	0.003748	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-13.70	-0.005404	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-12.30	-0.004852	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	0.70	0.000273	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-5.60	-0.002188	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-7.80	-0.003108	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-5.50	-0.002191	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-9.80	-0.003904	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	7.40	0.002891	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	1.90	0.000742	±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
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
Member of the SGS Group (SGS SA)

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-6.20	-0.002470	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-13.90	-0.005538	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-10.50	-0.004183	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-16.30	-0.006494	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-11.90	-0.004741	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-10.00	-0.003984	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-12.20	-0.004861	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-5.60	-0.002231	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.30	-0.000907	±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	-10	-7.60	-0.002998	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	2.60	0.001026	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	1.70	0.000671	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	6.00	0.002367	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-7.90	-0.003116	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	0.30	0.000118	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-3.90	-0.001523	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	2.20	0.000859	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-3.10	-0.001211	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	0.30	0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	6.60	0.002578	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-2.90	-0.001133	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-9.80	-0.003828	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-16.20	-0.006454	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-13.00	-0.005179	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	-9.80	-0.003904	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-1.90	-0.000757	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-5.70	-0.002271	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-6.60	-0.002629	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-4.50	-0.001793	±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
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Wireless Communication 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
Member of the SGS Group (SGS SA)

Band7	20MHz	64QAM	20850	100RB#0	NV	40	-4.20	-0.001673	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-9.40	-0.003745	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-11.70	-0.004615	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-6.50	-0.002564	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	0.70	0.000276	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-13.60	-0.005365	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	6.40	0.002525	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-13.60	-0.005365	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	3.60	0.001406	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-9.40	-0.003672	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	5.40	0.002109	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	4.10	0.001602	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-8.10	-0.003164	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-4.90	-0.001914	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.70	0.000664	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-6.80	-0.002656	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-12.60	-0.005020	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	-13.50	-0.005378	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-7.80	-0.003108	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-19.80	-0.007888	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-3.30	-0.001315	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-17.70	-0.007052	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-2.70	-0.001076	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-14.50	-0.005777	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-8.00	-0.003156	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-6.80	-0.002682	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	5.30	0.002091	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	3.70	0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-2.10	-0.000828	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	4.70	0.001854	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-1.20	-0.000473	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	5.00	0.001972	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-3.60	-0.001420	±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
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
Member of the SGS Group (SGS SA)

Band7	20MHz	16QAM	21350	100RB#0	NV	-30	6.30	0.002461	±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	-10	4.30	0.001680	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	6.70	0.002617	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-6.10	-0.002383	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	4.00	0.001563	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-7.90	-0.003086	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-7.70	-0.003008	±2.5	PASS

The End

通标标准技术服务有限公司深圳分公司
检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co.,Ltd.
Shenzhen Branch Testing Center-EEC 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