Appendix B

E-UTRA Band 14

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

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 3

1.1. TEST RESULT 3

2. PEAK-TO-AVERAGE RATIO (CCDF) 6

2.1. TEST RESULT 6

2.2. TEST PLOTS 6

3. MODULATION CHARACTERISTICS 8

3.1. TEST MODE = LTE /TM1 10MHZ 8

3.1.1. TEST CHANNEL = MCH 8

3.2. TEST MODE = LTE /TM2 10MHZ 9

3.2.1. TEST CHANNEL = MCH 9

3.3. TEST MODE = LTE /TM3 10MHZ 10

3.3.1. TEST CHANNEL = MCH 10

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH 11

4.1. TEST RESULT 11

4.2. TEST PLOTS 12

5. EMISSION MASK 18

5.1. TEST PLOTS 18

6. BAND EDGE COMPLIANCE 36

6.1. TEST PLOTS 36

7. SPURIOUS EMISSION AT ANTENNA TERMINAL 49

7.1. TEST PLOTS 49

8. FIELD STRENGTH OF SPURIOUS RADIATION 52

8.1. TEST MODE =LTE/TM1 10MHZ 52

8.1.1. TEST CHANNEL = MCH 52

9. FREQUENCY STABILITY 53

9.1. FREQUENCY VS VOLTAGE 53

9.2. FREQUENCY VS TEMPERATURE 53

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

检验检测专用章 Inspection & Testing Services
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)

1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.48	20.6	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.58	20.7	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.50	20.62	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#0	22.64	19.76	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#6	22.63	19.75	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#13	22.63	19.75	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.67	19.79	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.57	20.69	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.51	20.63	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.46	20.58	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#0	22.61	19.73	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#6	22.64	19.76	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#13	22.59	19.71	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.58	19.7	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.56	20.68	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.45	20.57	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.53	20.65	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#0	22.59	19.71	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#6	22.59	19.71	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#13	22.66	19.78	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.60	19.72	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.82	19.94	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.83	19.95	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.82	19.94	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#0	21.70	18.82	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#6	21.68	18.8	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#13	21.62	18.74	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.61	18.73	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.78	19.9	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.72	19.84	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.78	19.9	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#0	21.64	18.76	34.77	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)

Band14	5MHz	16QAM	23330	12RB#6	21.60	18.72	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#13	21.57	18.69	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.51	18.63	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.84	19.96	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.69	19.81	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.80	19.92	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#0	21.63	18.75	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#6	21.62	18.74	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#13	21.67	18.79	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.56	18.68	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#0	21.66	18.78	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#12	21.73	18.85	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#24	21.74	18.86	34.77	PASS
Band14	5MHz	64QAM	23305	12RB#0	20.67	17.79	34.77	PASS
Band14	5MHz	64QAM	23305	12RB#6	20.71	17.83	34.77	PASS
Band14	5MHz	64QAM	23305	12RB#13	20.60	17.72	34.77	PASS
Band14	5MHz	64QAM	23305	25RB#0	20.65	17.77	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#0	21.69	18.81	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#12	21.71	18.83	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#24	21.65	18.77	34.77	PASS
Band14	5MHz	64QAM	23330	12RB#0	20.67	17.79	34.77	PASS
Band14	5MHz	64QAM	23330	12RB#6	20.61	17.73	34.77	PASS
Band14	5MHz	64QAM	23330	12RB#13	20.58	17.7	34.77	PASS
Band14	5MHz	64QAM	23330	25RB#0	20.62	17.74	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#0	21.66	18.78	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#12	21.66	18.78	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#24	21.71	18.83	34.77	PASS
Band14	5MHz	64QAM	23355	12RB#0	20.62	17.74	34.77	PASS
Band14	5MHz	64QAM	23355	12RB#6	20.60	17.72	34.77	PASS
Band14	5MHz	64QAM	23355	12RB#13	20.66	17.78	34.77	PASS
Band14	5MHz	64QAM	23355	25RB#0	20.54	17.66	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.53	20.65	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.55	20.67	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.57	20.69	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#0	22.65	19.77	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#12	22.64	19.76	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#25	22.55	19.67	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.61	19.73	34.77	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

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Electronic 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)

Band14	10MHz	16QAM	23330	1RB#0	22.83	19.95	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.81	19.93	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.86	19.98	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#0	21.62	18.74	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#12	21.64	18.76	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#25	21.53	18.65	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.57	18.69	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#0	21.69	18.81	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#24	21.63	18.75	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#49	21.68	18.8	34.77	PASS
Band14	10MHz	64QAM	23330	25RB#0	20.62	17.74	34.77	PASS
Band14	10MHz	64QAM	23330	25RB#12	20.66	17.78	34.77	PASS
Band14	10MHz	64QAM	23330	25RB#25	20.59	17.71	34.77	PASS
Band14	10MHz	64QAM	23330	50RB#0	20.62	17.74	34.77	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 EMC 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)

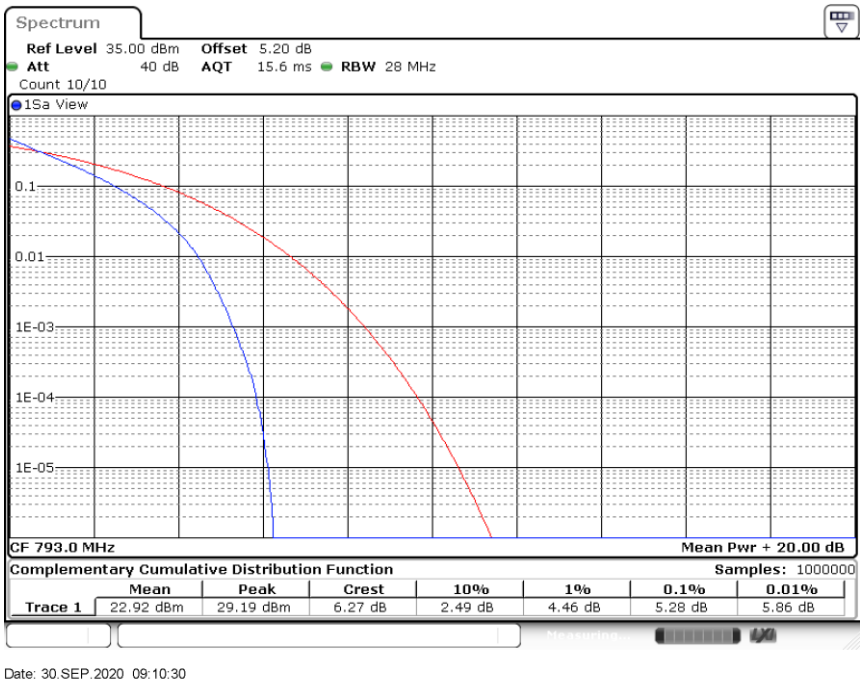
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	5.28	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.03	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.52	13	PASS

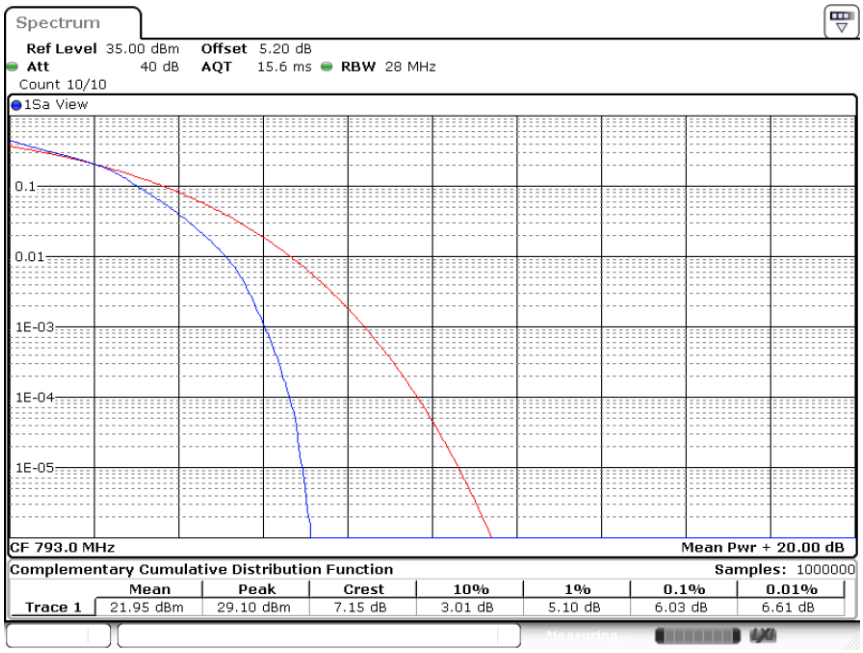
2.2. Test Plots

Band14-10MHz-QPSK-23330-50RB#0



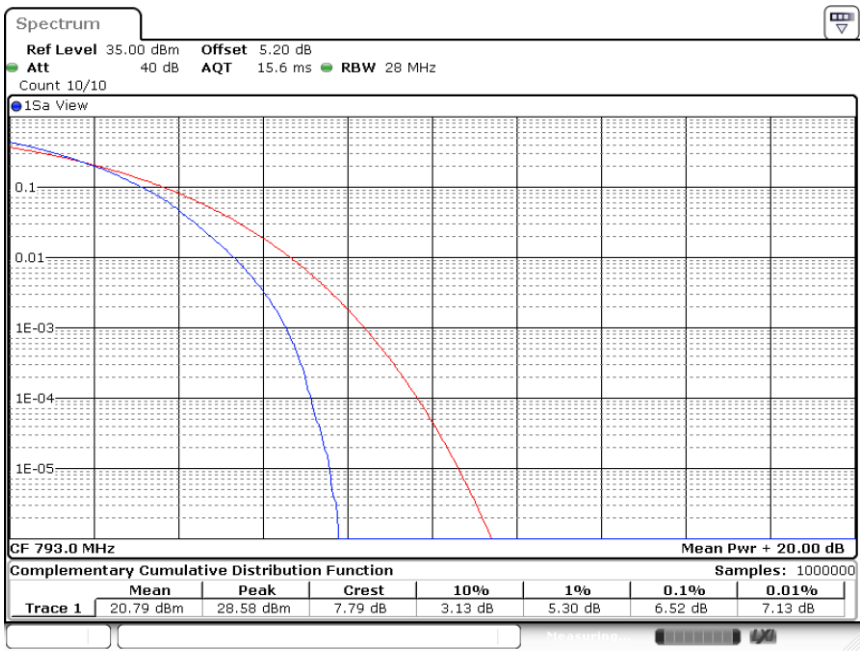
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-16QAM-23330-50RB#0



Date: 30.SEP.2020 09:10:45

Band14-10MHz-64QAM-23330-50RB#0



Date: 30.SEP.2020 09:24:17

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.

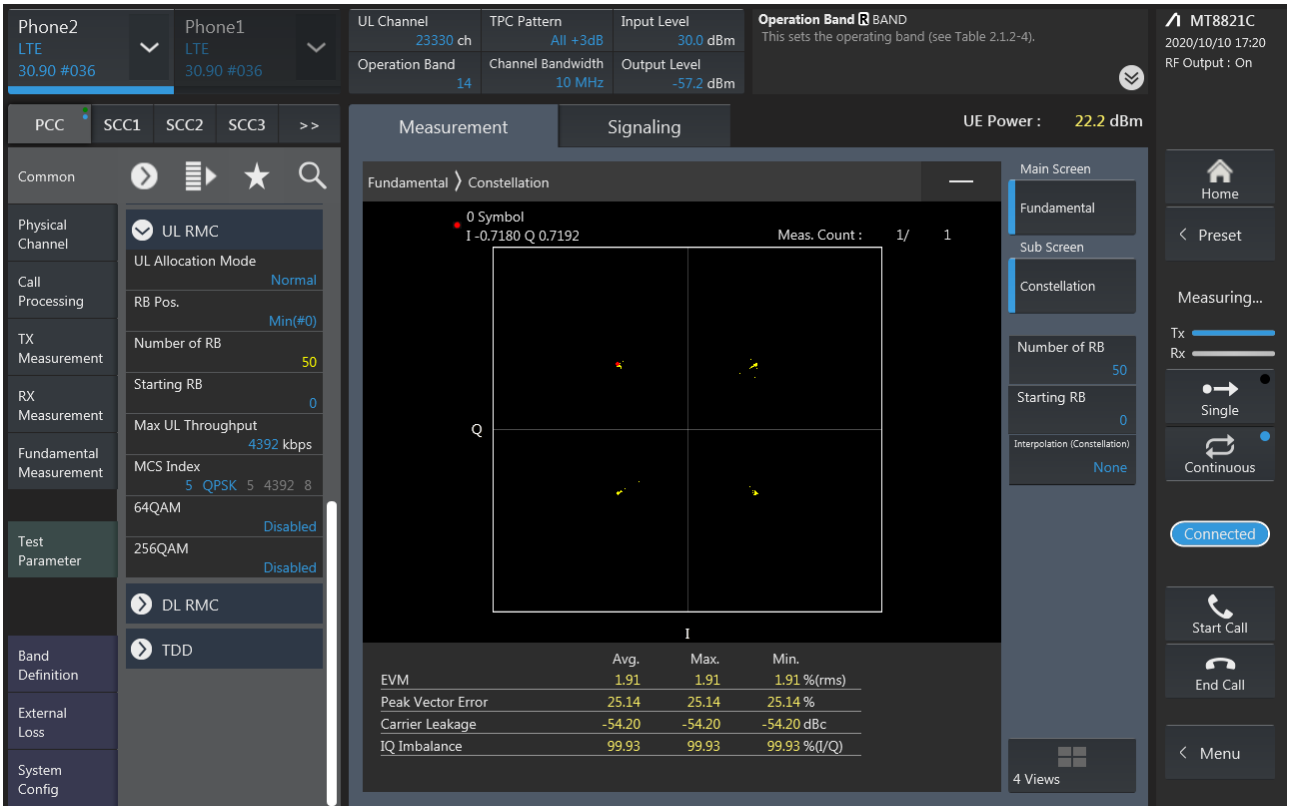
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 10MHz

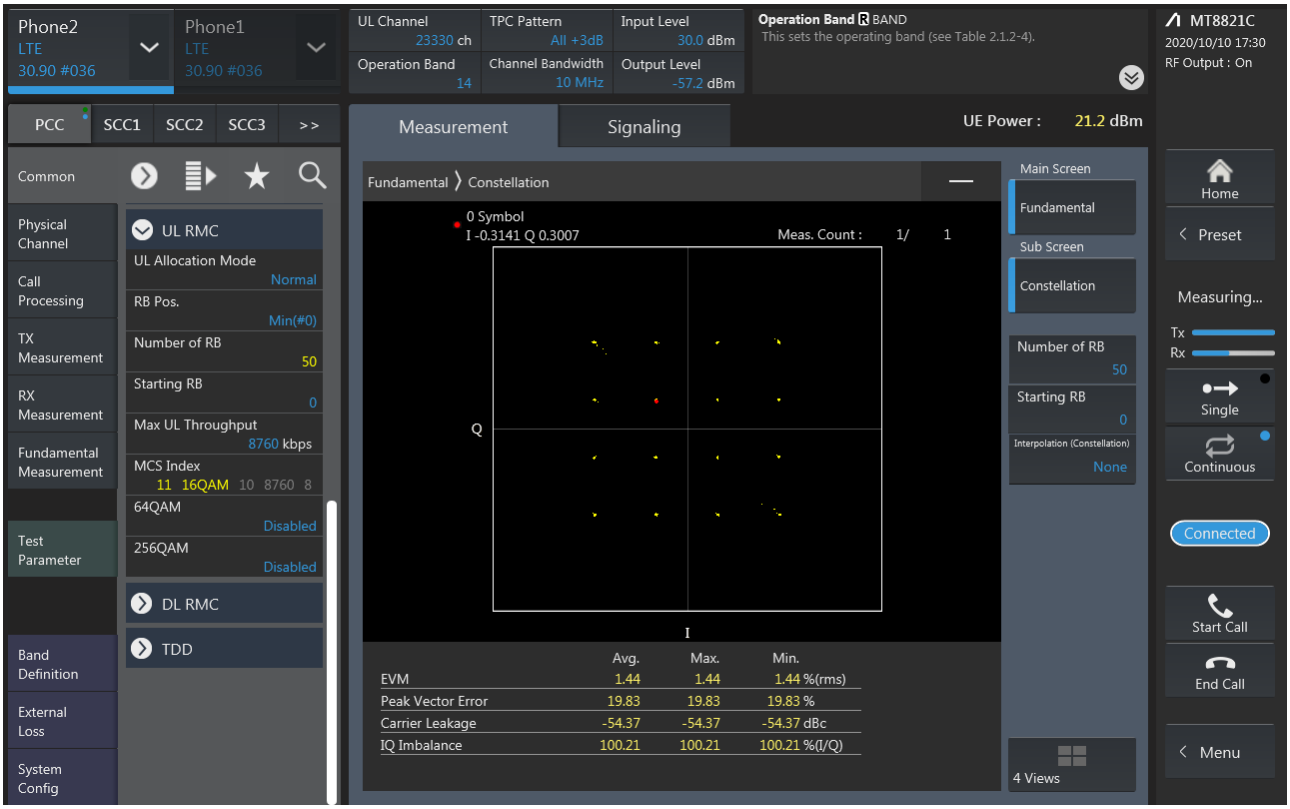
3.1.1.Test Channel = MCH



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
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 10MHz

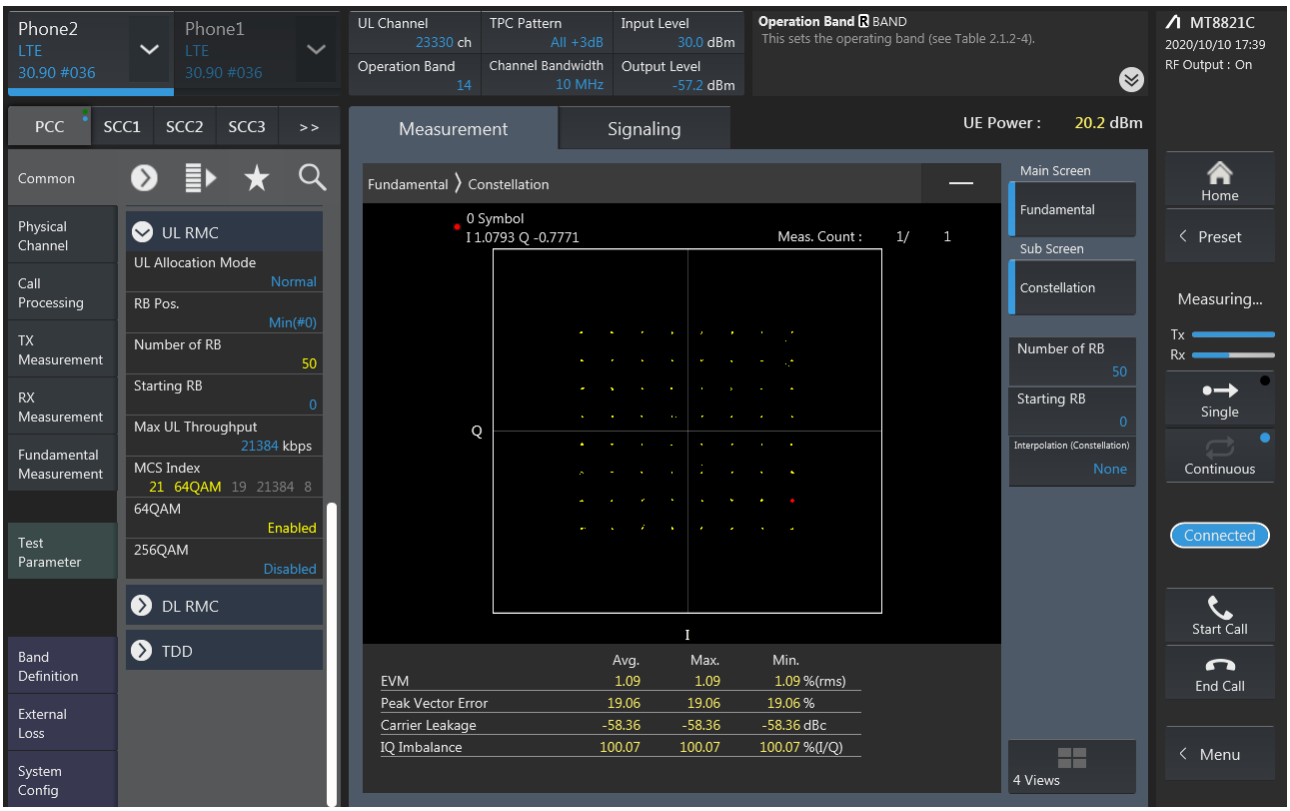
3.2.1.Test Channel = MCH



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
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 10MHz

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
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

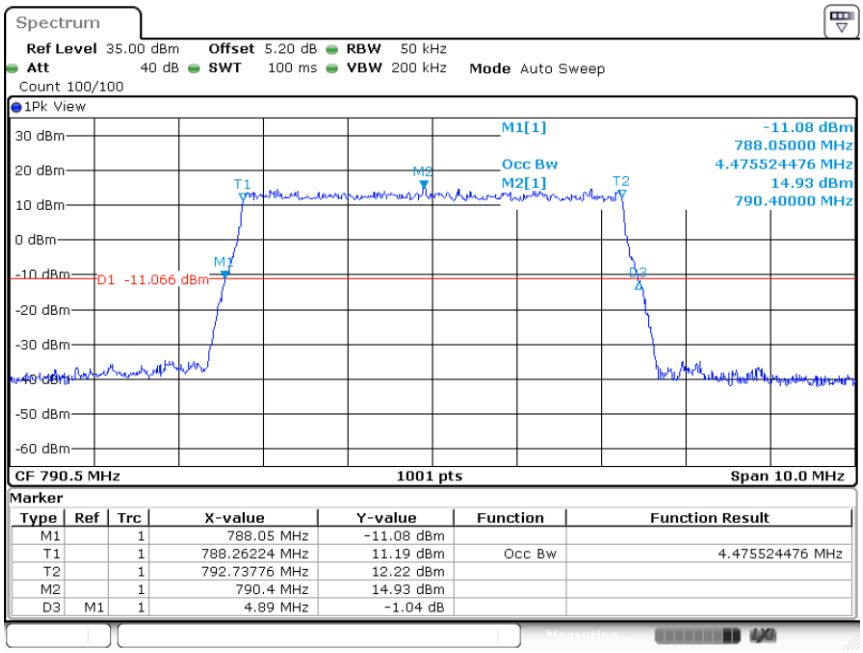
4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.476	4.890	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.476	4.890	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.476	4.900	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.486	4.910	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.496	4.910	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.486	4.920	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.476	4.880	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.476	4.880	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.466	4.870	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.952	9.700	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.918	9.733	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.918	9.633	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 EMC 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)

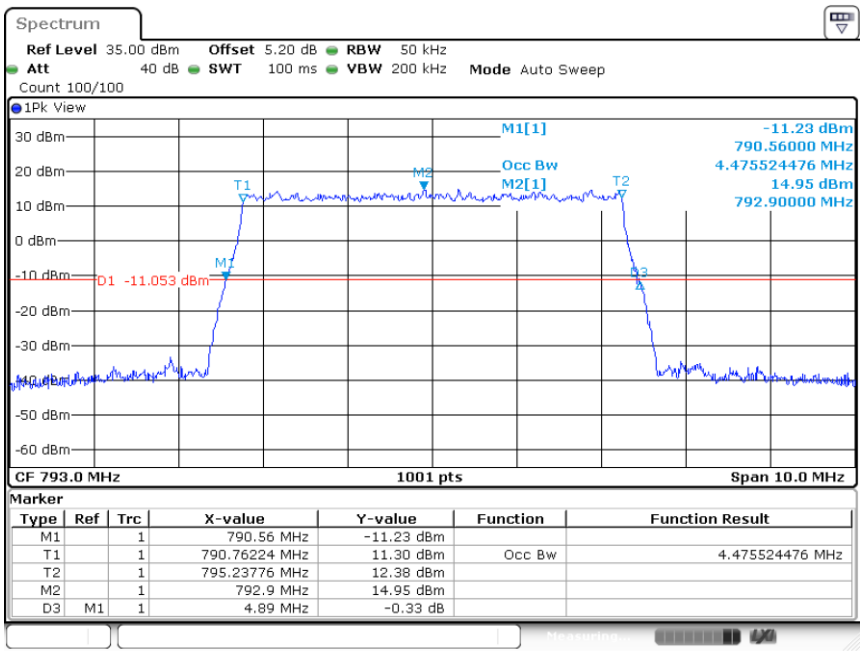
4.2. Test Plots

Band14-5MHz-QPSK-23305-25RB#0-4.476



Date: 30.SEP.2020 09:06:52

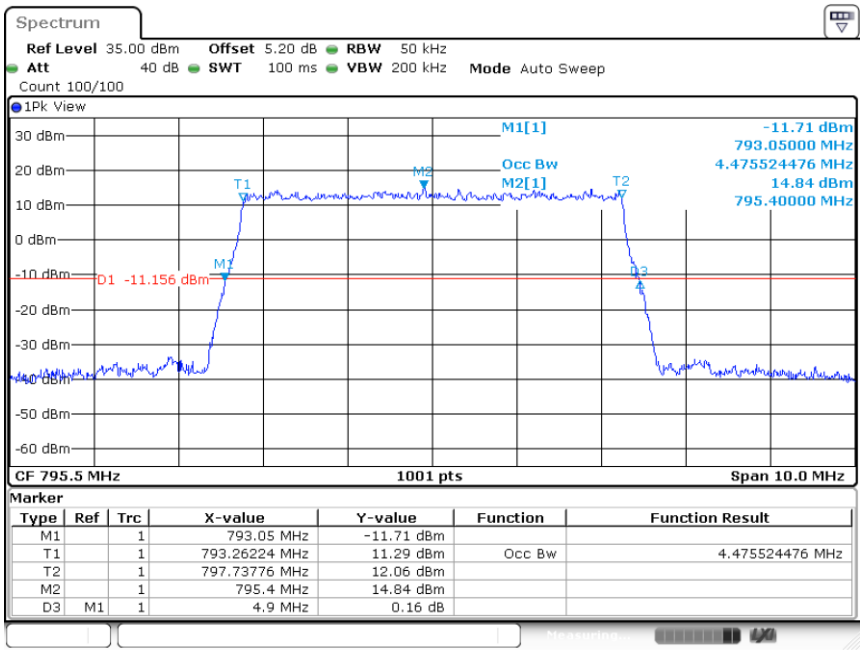
Band14-5MHz-QPSK-23330-25RB#0-4.476



Date: 30.SEP.2020 09:07:38

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

Band14-5MHz-QPSK-23355-25RB#0-4.476

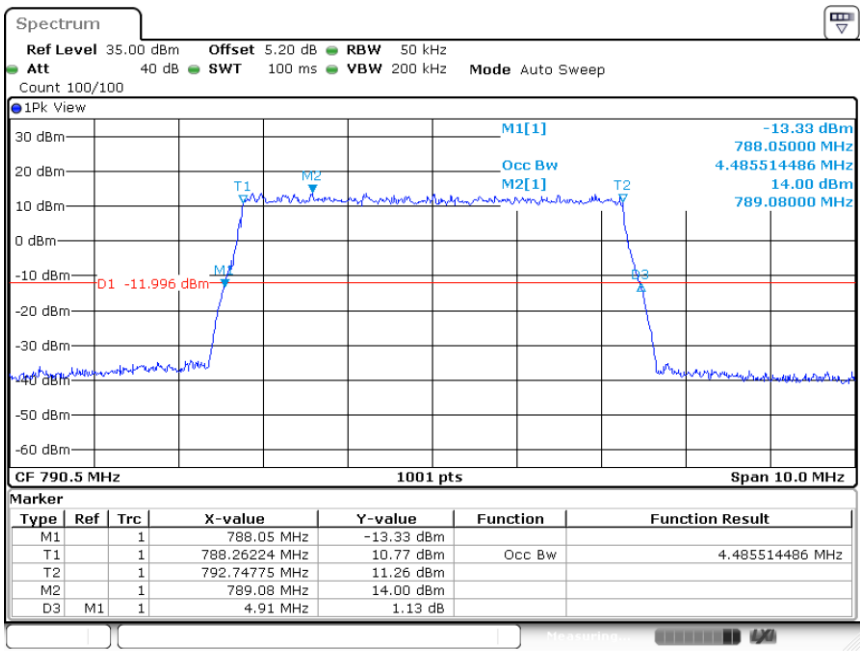


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	793.05 MHz	-11.71 dBm		
T1		1	793.26224 MHz	11.29 dBm	Occ Bw	4.475524476 MHz
T2		1	797.73776 MHz	12.06 dBm		
M2		1	795.4 MHz	14.84 dBm		
D3	M1	1	4.9 MHz	0.16 dB		

Date: 30.SEP.2020 09:08:24

Band14-5MHz-16QAM-23305-25RB#0-4.486



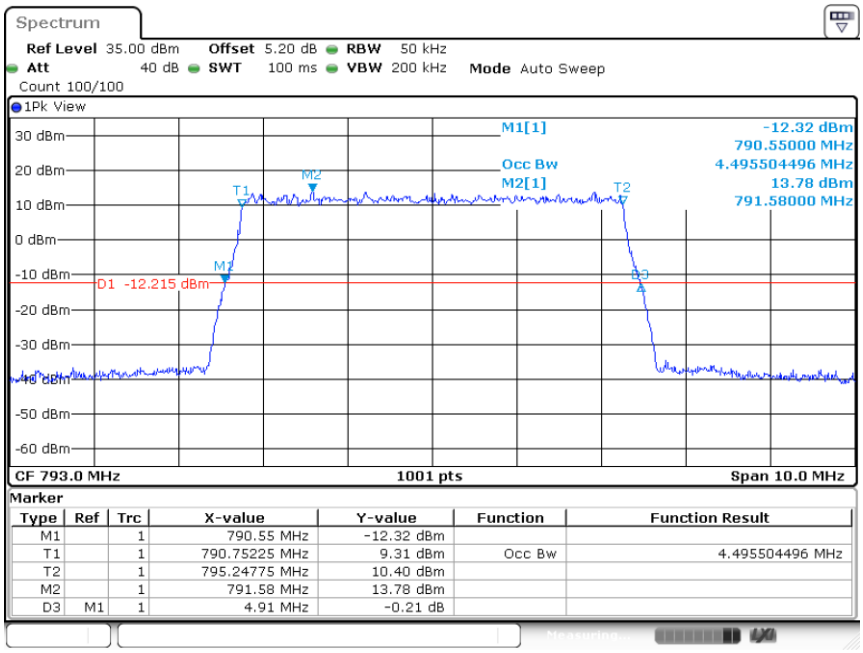
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	788.05 MHz	-13.33 dBm		
T1		1	788.26224 MHz	10.77 dBm	Occ Bw	4.485514486 MHz
T2		1	792.74775 MHz	11.26 dBm		
M2		1	789.08 MHz	14.00 dBm		
D3	M1	1	4.91 MHz	1.13 dB		

Date: 30.SEP.2020 09:07:15

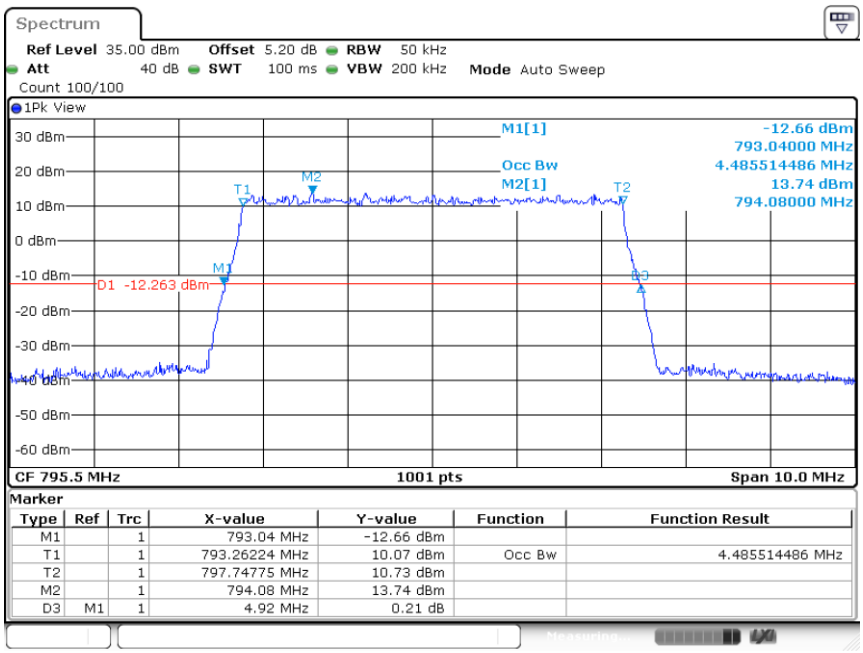
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-16QAM-23330-25RB#0-4.496



Date: 30.SEP.2020 09:08:01

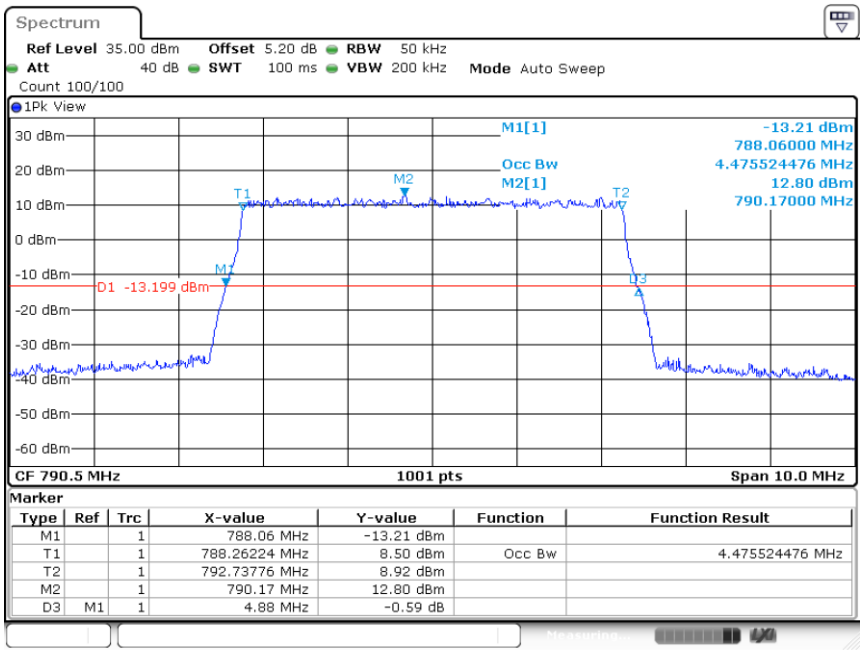
Band14-5MHz-16QAM-23355-25RB#0-4.486



Date: 30.SEP.2020 09:08:47

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)

Band14-5MHz-64QAM-23305-25RB#0-4.476

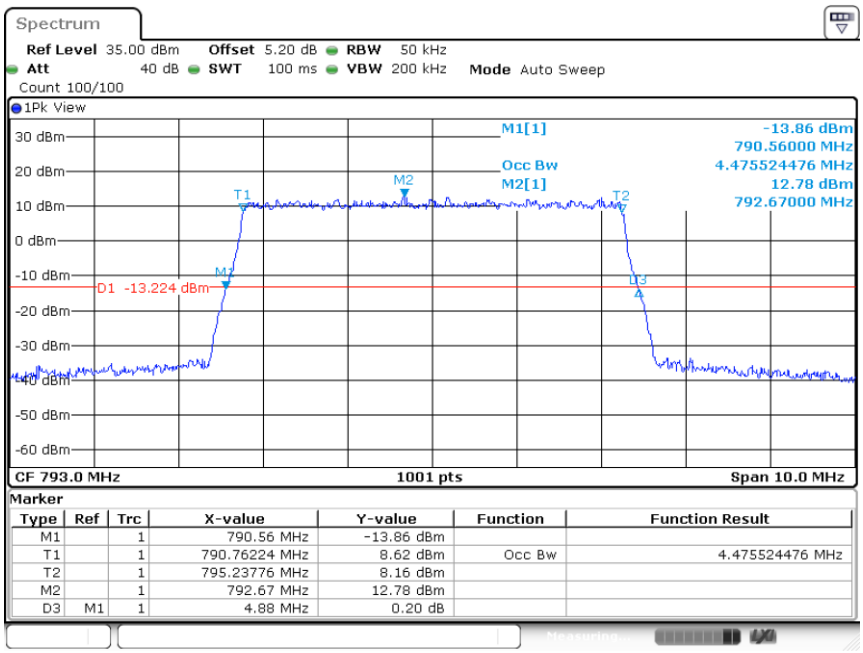


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	788.06 MHz	-13.21 dBm		
T1		1	788.26224 MHz	8.50 dBm	Occ Bw	4.475524476 MHz
T2		1	792.73776 MHz	8.92 dBm		
M2		1	790.17 MHz	12.80 dBm		
D3	M1	1	4.88 MHz	-0.59 dB		

Date: 30.SEP.2020 09:22:25

Band14-5MHz-64QAM-23330-25RB#0-4.476



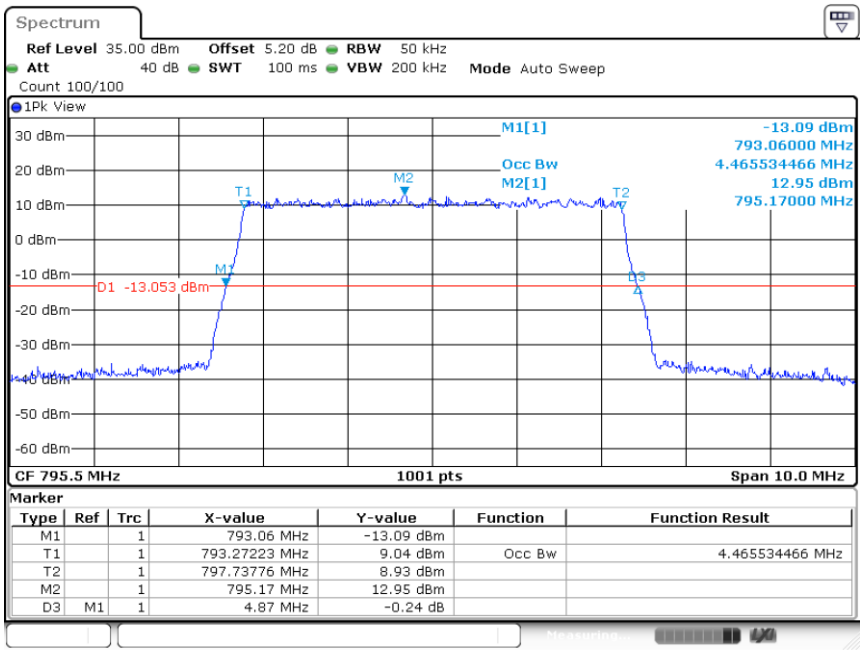
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	790.56 MHz	-13.86 dBm		
T1		1	790.76224 MHz	8.62 dBm	Occ Bw	4.475524476 MHz
T2		1	795.23776 MHz	8.16 dBm		
M2		1	792.67 MHz	12.78 dBm		
D3	M1	1	4.88 MHz	0.20 dB		

Date: 30.SEP.2020 09:22:48

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

Band14-5MHz-64QAM-23355-25RB#0-4.466

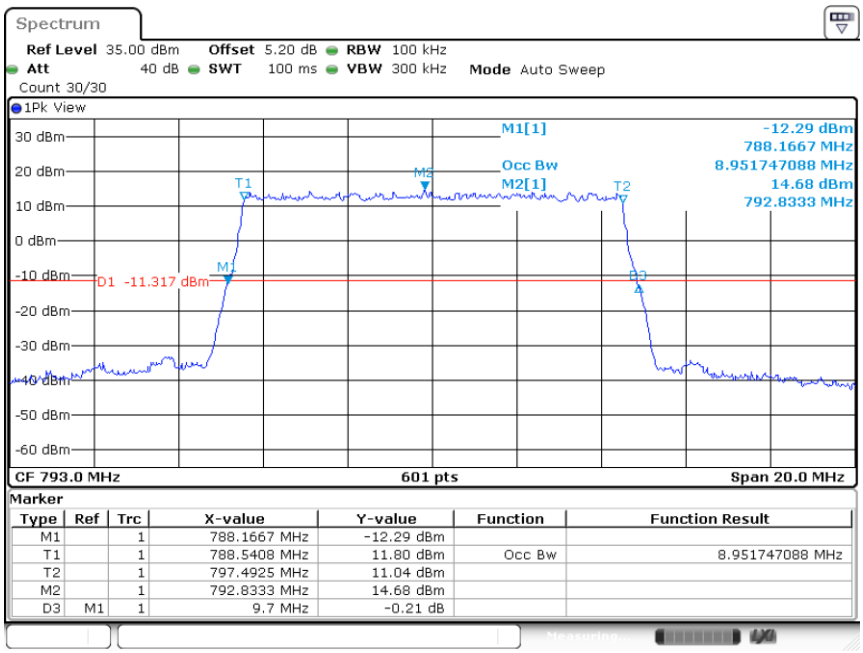


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	793.06 MHz	-13.09 dBm		
T1		1	793.27223 MHz	9.04 dBm	Occ Bw	4.465534466 MHz
T2		1	797.73776 MHz	8.93 dBm		
M2		1	795.17 MHz	12.95 dBm		
D3	M1	1	4.87 MHz	-0.24 dB		

Date: 30.SEP.2020 09:23:11

Band14-10MHz-QPSK-23330-50RB#0-8.952



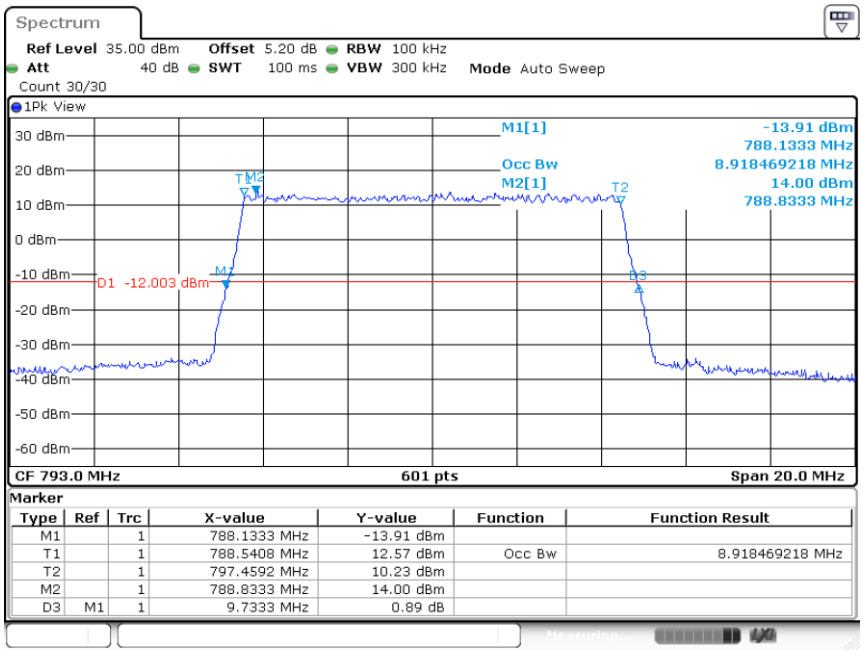
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	788.1667 MHz	-12.29 dBm		
T1		1	788.5408 MHz	11.80 dBm	Occ Bw	8.951747088 MHz
T2		1	797.4925 MHz	11.04 dBm		
M2		1	792.8333 MHz	14.68 dBm		
D3	M1	1	9.7 MHz	-0.21 dB		

Date: 30.SEP.2020 09:09:07

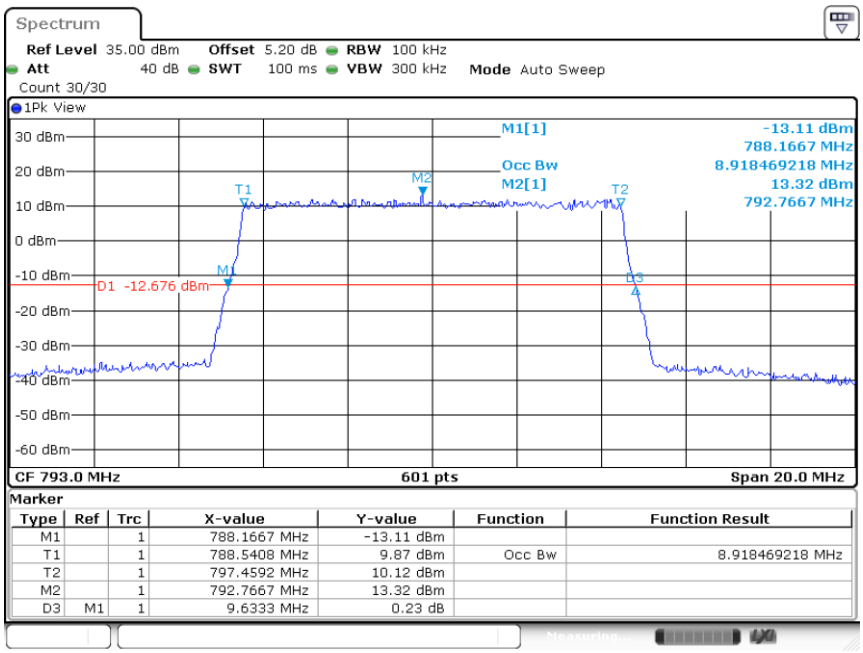
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-16QAM-23330-50RB#0-8.918



Date: 30.SEP.2020 09:09:23

Band14-10MHz-64QAM-23330-50RB#0-8.918



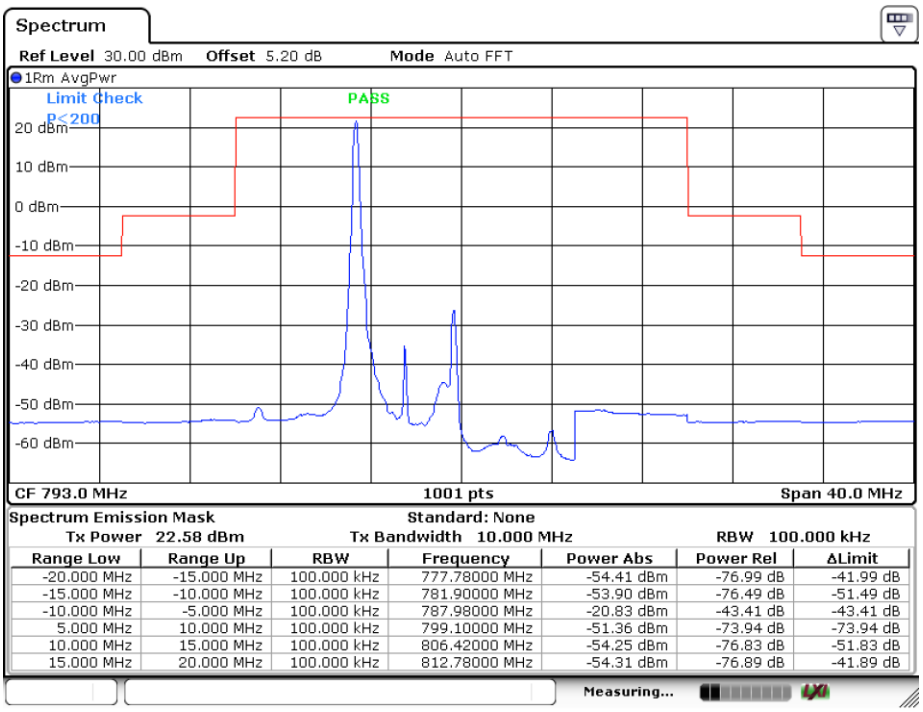
Date: 30.SEP.2020 09:23:32

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

5. Emission Mask

5.1. Test Plots

BAND 14_5MHz_QPSK_23305_1RB#0

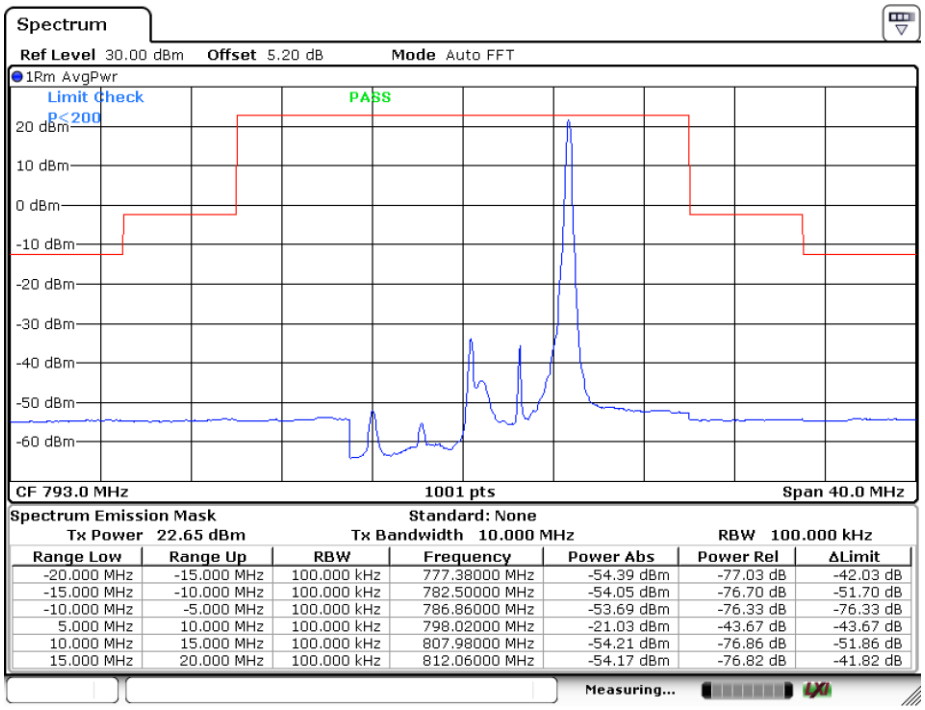


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.78000 MHz	-54.41 dBm	-76.99 dB	-41.99 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	781.90000 MHz	-53.90 dBm	-76.49 dB	-51.49 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-20.83 dBm	-43.41 dB	-43.41 dB
5.000 MHz	10.000 MHz	100.000 kHz	799.10000 MHz	-51.36 dBm	-73.94 dB	-73.94 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.42000 MHz	-54.25 dBm	-76.83 dB	-51.83 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.78000 MHz	-54.31 dBm	-76.89 dB	-41.89 dB

Date: 30.SEP.2020 08:55:44

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

BAND 14_5MHz_QPSK_23355_1RB#24

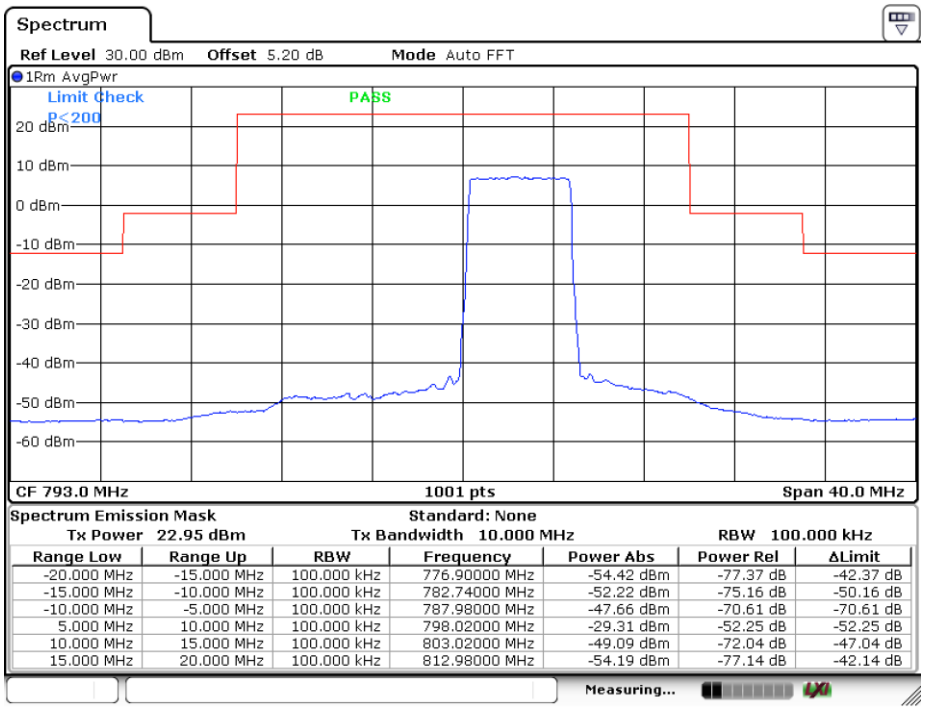


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.38000 MHz	-54.39 dBm	-77.03 dB	-42.03 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.50000 MHz	-54.05 dBm	-76.70 dB	-51.70 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	786.86000 MHz	-53.69 dBm	-76.33 dB	-76.33 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-21.03 dBm	-43.67 dB	-43.67 dB
10.000 MHz	15.000 MHz	100.000 kHz	807.98000 MHz	-54.21 dBm	-76.86 dB	-51.86 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.06000 MHz	-54.17 dBm	-76.82 dB	-41.82 dB

Date: 30.SEP.2020 08:59:04

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

BAND 14_5MHz_QPSK_23355_25RB#0



Spectrum Emission Mask Standard: None

Tx Power 22.95 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	776.90000 MHz	-54.42 dBm	-77.37 dB	-42.37 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.74000 MHz	-52.22 dBm	-75.16 dB	-50.16 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-47.66 dBm	-70.61 dB	-70.61 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-29.31 dBm	-52.25 dB	-52.25 dB
10.000 MHz	15.000 MHz	100.000 kHz	803.02000 MHz	-49.09 dBm	-72.04 dB	-47.04 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.98000 MHz	-54.19 dBm	-77.14 dB	-42.14 dB

Date: 30.SEP.2020 08:59:21

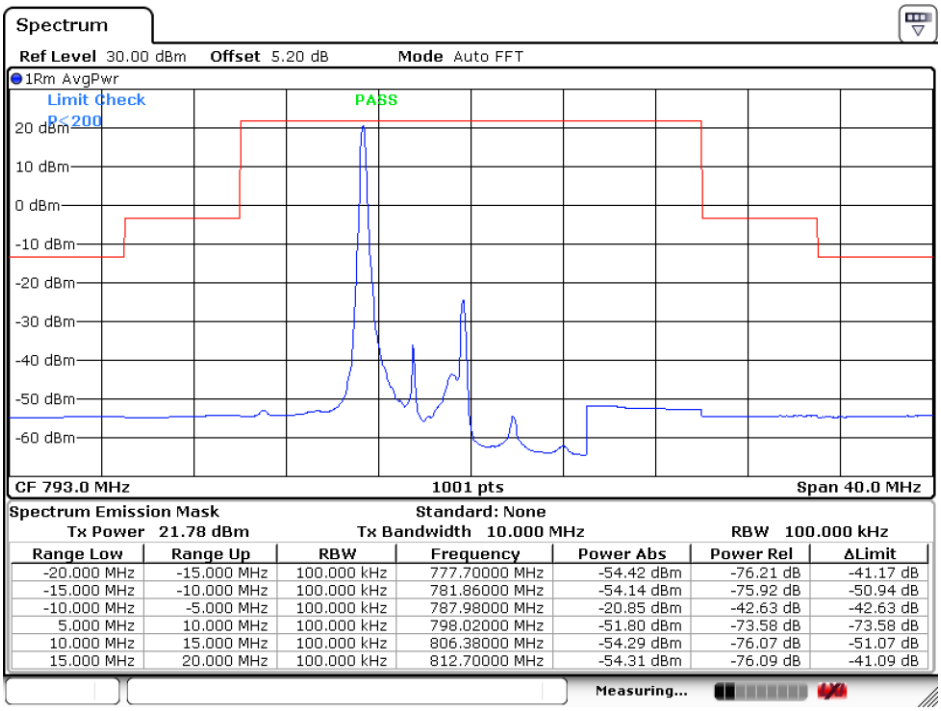
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

BAND 14_5MHz_16QAM_23305_1RB#0



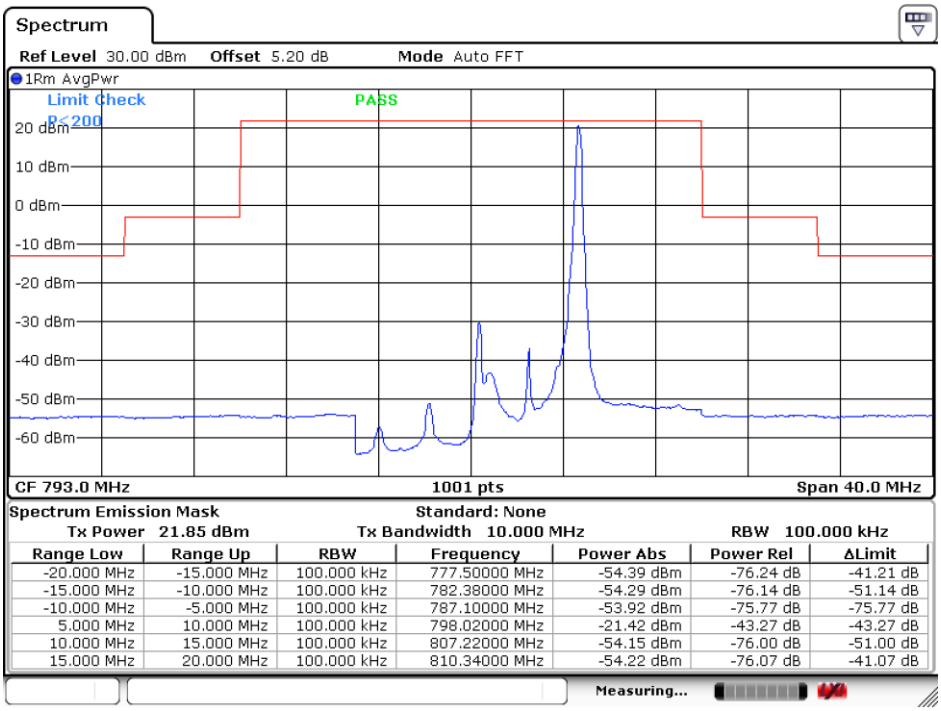
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.70000 MHz	-54.42 dBm	-76.21 dB	-41.17 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	781.86000 MHz	-54.14 dBm	-75.92 dB	-50.94 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-20.85 dBm	-42.63 dB	-42.63 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-51.80 dBm	-73.58 dB	-73.58 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.38000 MHz	-54.29 dBm	-76.07 dB	-51.07 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.70000 MHz	-54.31 dBm	-76.09 dB	-41.09 dB

Date: 20.OCT.2020 20:23:25

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 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

BAND 14_5MHz_16QAM_23355_1RB#24

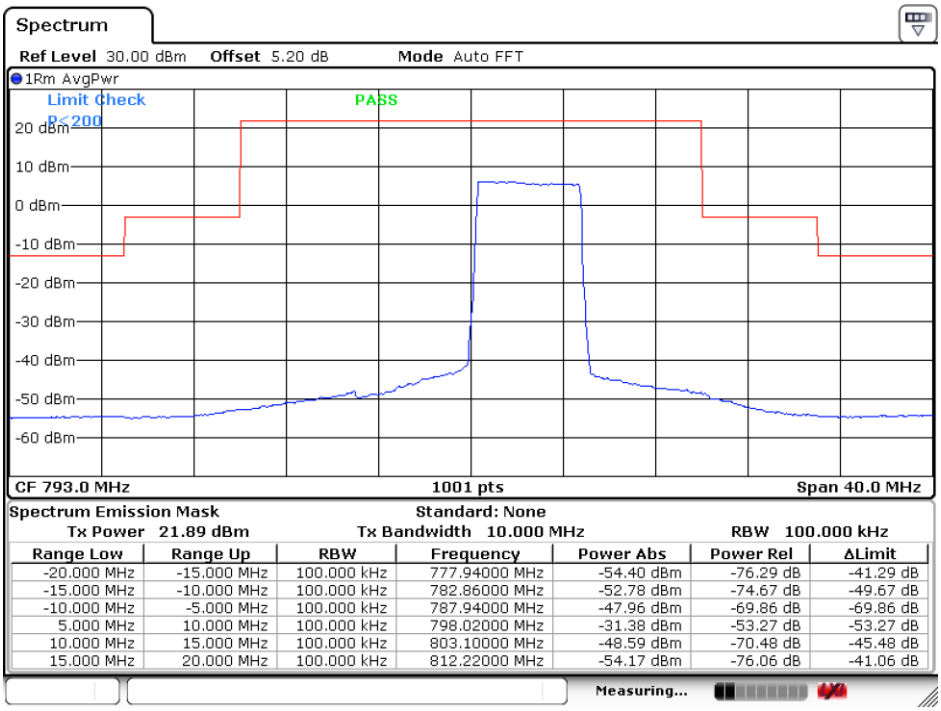


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.50000 MHz	-54.39 dBm	-76.24 dB	-41.21 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.38000 MHz	-54.29 dBm	-76.14 dB	-51.14 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.10000 MHz	-53.92 dBm	-75.77 dB	-75.77 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-21.42 dBm	-43.27 dB	-43.27 dB
10.000 MHz	15.000 MHz	100.000 kHz	807.22000 MHz	-54.15 dBm	-76.00 dB	-51.00 dB
15.000 MHz	20.000 MHz	100.000 kHz	810.34000 MHz	-54.22 dBm	-76.07 dB	-41.07 dB

Date: 20.OCT.2020 20:29:01

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

BAND 14_5MHz_16QAM_23355_25RB#0



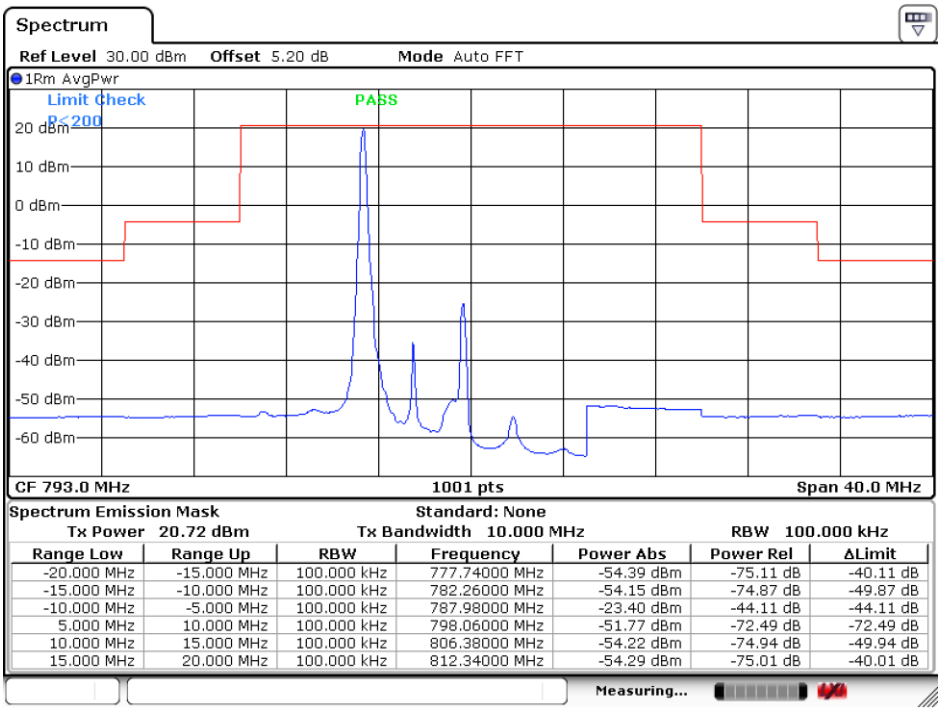
Spectrum Emission Mask Standard: None
Tx Power 21.89 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.94000 MHz	-54.40 dBm	-76.29 dB	-41.29 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.86000 MHz	-52.78 dBm	-74.67 dB	-49.67 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.94000 MHz	-47.96 dBm	-69.86 dB	-69.86 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-31.38 dBm	-53.27 dB	-53.27 dB
10.000 MHz	15.000 MHz	100.000 kHz	803.10000 MHz	-48.59 dBm	-70.48 dB	-45.48 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.22000 MHz	-54.17 dBm	-76.06 dB	-41.06 dB

Date: 20.OCT.2020 20:29:51

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 Electronic 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
Member of the SGS Group (SGS SA)

BAND 14_5MHz_64QAM_23305_1RB#0



Spectrum Emission Mask Standard: None

Tx Power 20.72 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.74000 MHz	-54.39 dBm	-75.11 dB	-40.11 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.26000 MHz	-54.15 dBm	-74.87 dB	-49.87 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-23.40 dBm	-44.11 dB	-44.11 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.06000 MHz	-51.77 dBm	-72.49 dB	-72.49 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.38000 MHz	-54.22 dBm	-74.94 dB	-49.94 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.34000 MHz	-54.29 dBm	-75.01 dB	-40.01 dB

Date: 20.OCT.2020 20:24:10

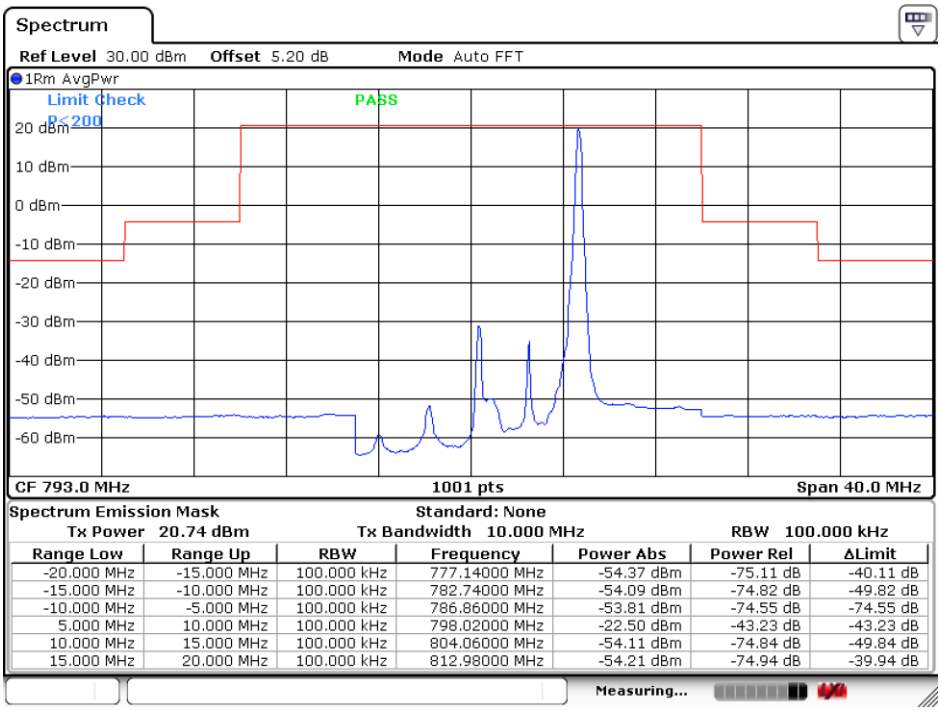
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

BAND 14_5MHz_64QAM_23355_1RB#24



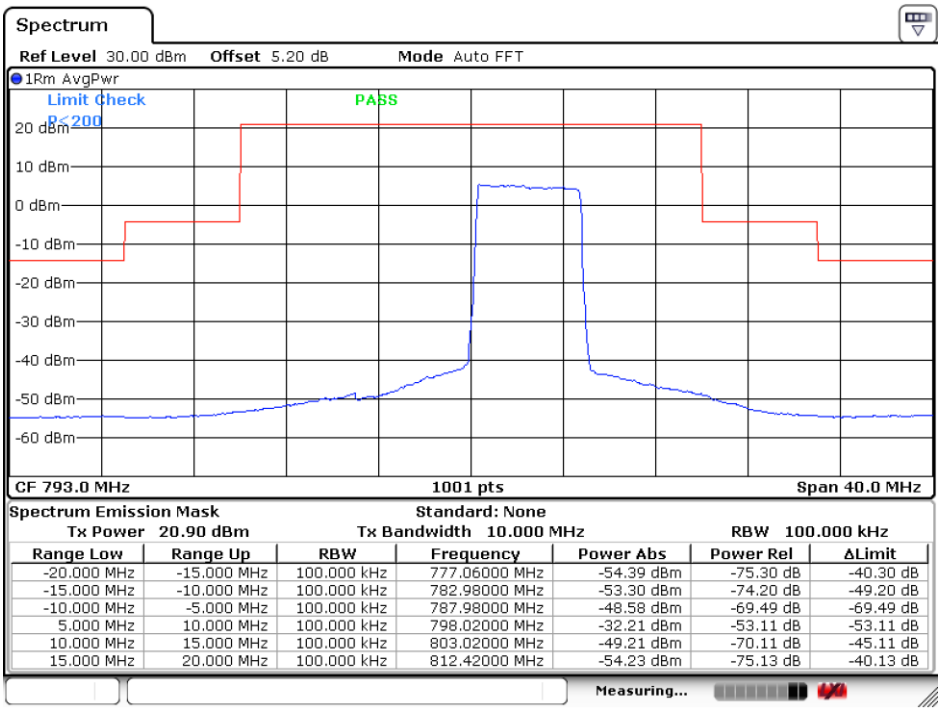
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.14000 MHz	-54.37 dBm	-75.11 dB	-40.11 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.74000 MHz	-54.09 dBm	-74.82 dB	-49.82 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	786.86000 MHz	-53.81 dBm	-74.55 dB	-74.55 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-22.50 dBm	-43.23 dB	-43.23 dB
10.000 MHz	15.000 MHz	100.000 kHz	804.06000 MHz	-54.11 dBm	-74.84 dB	-49.84 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.98000 MHz	-54.21 dBm	-74.94 dB	-39.94 dB

Date: 20.OCT.2020 20:29:14

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

BAND 14_5MHz_64QAM_23355_25RB#0



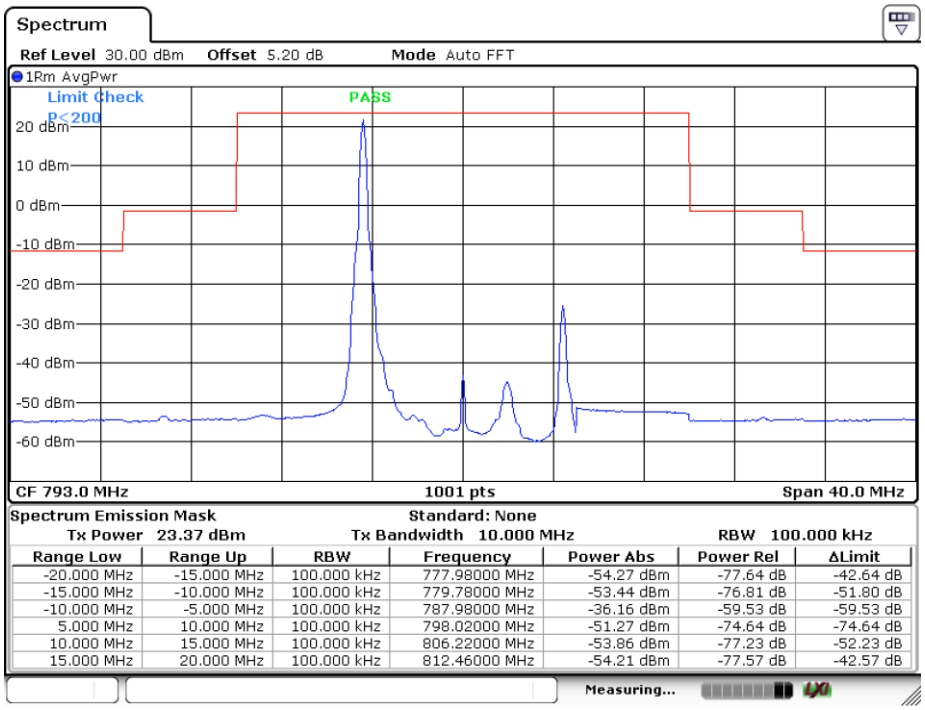
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.06000 MHz	-54.39 dBm	-75.30 dB	-40.30 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.98000 MHz	-53.30 dBm	-74.20 dB	-49.20 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-48.58 dBm	-69.49 dB	-69.49 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-32.21 dBm	-53.11 dB	-53.11 dB
10.000 MHz	15.000 MHz	100.000 kHz	803.02000 MHz	-49.21 dBm	-70.11 dB	-45.11 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.42000 MHz	-54.23 dBm	-75.13 dB	-40.13 dB

Date: 20.OCT.2020 20:29:32

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

BAND 14_10MHz_QPSK_23330_1RB#0

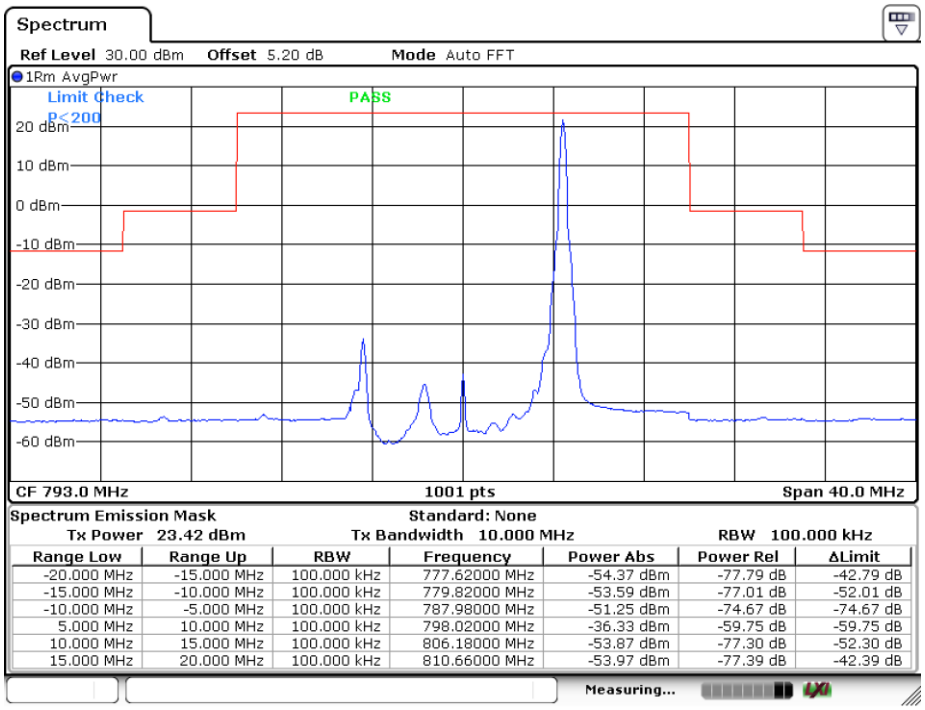


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.98000 MHz	-54.27 dBm	-77.64 dB	-42.64 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	779.78000 MHz	-53.44 dBm	-76.81 dB	-51.80 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-36.16 dBm	-59.53 dB	-59.53 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-51.27 dBm	-74.64 dB	-74.64 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.22000 MHz	-53.86 dBm	-77.23 dB	-52.23 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.46000 MHz	-54.21 dBm	-77.57 dB	-42.57 dB

Date: 30.SEP.2020 09:00:43

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

BAND 14_10MHz_QPSK_23330_1RB#49

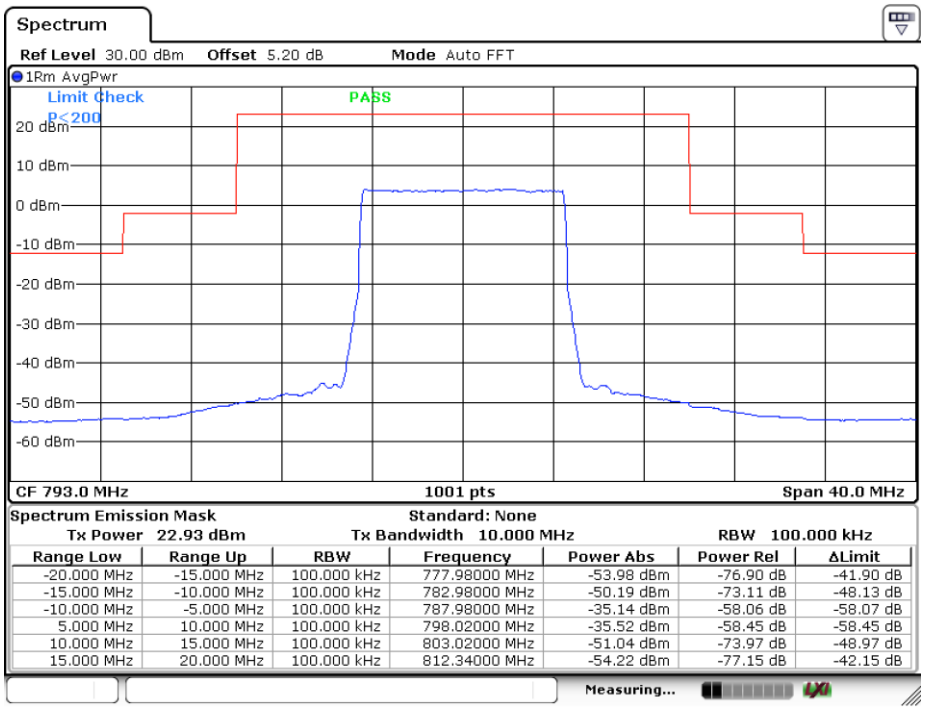


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.62000 MHz	-54.37 dBm	-77.79 dB	-42.79 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	779.82000 MHz	-53.59 dBm	-77.01 dB	-52.01 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-51.25 dBm	-74.67 dB	-74.67 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-36.33 dBm	-59.75 dB	-59.75 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.18000 MHz	-53.87 dBm	-77.30 dB	-52.30 dB
15.000 MHz	20.000 MHz	100.000 kHz	810.66000 MHz	-53.97 dBm	-77.39 dB	-42.39 dB

Date: 30.SEP.2020 09:01:00

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
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)

BAND 14_10MHz_QPSK_23330_50RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.98000 MHz	-53.98 dBm	-76.90 dB	-41.90 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.98000 MHz	-50.19 dBm	-73.11 dB	-48.13 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-35.14 dBm	-58.06 dB	-58.07 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-35.52 dBm	-58.45 dB	-58.45 dB
10.000 MHz	15.000 MHz	100.000 kHz	803.02000 MHz	-51.04 dBm	-73.97 dB	-48.97 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.34000 MHz	-54.22 dBm	-77.15 dB	-42.15 dB

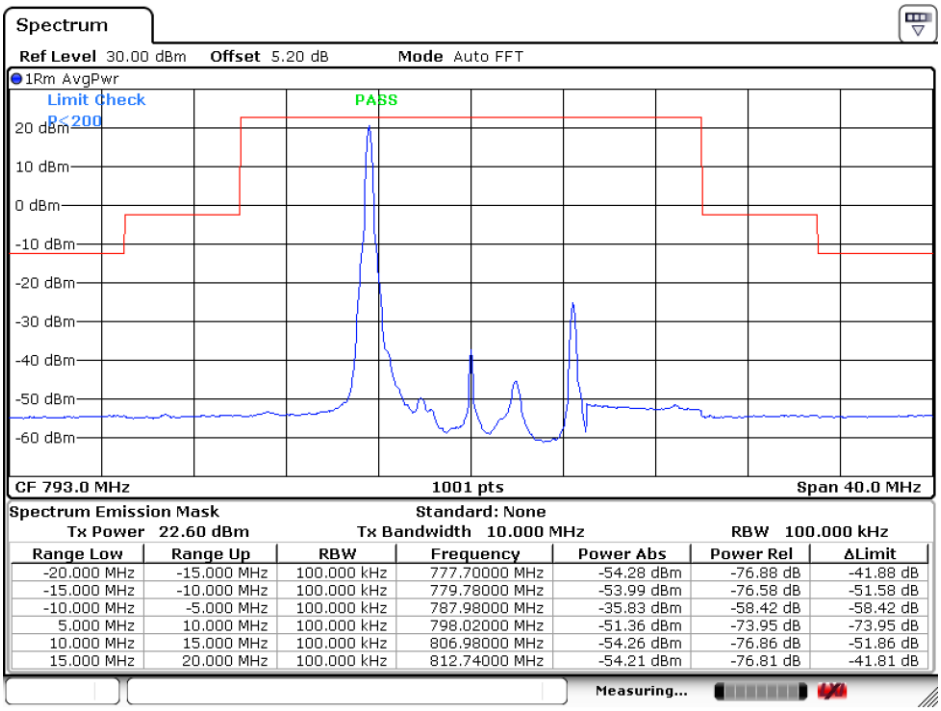
Date: 30.SEP.2020 09:00:20

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 EMC 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)

BAND 14_10MHz_16QAM_23330_1RB#0



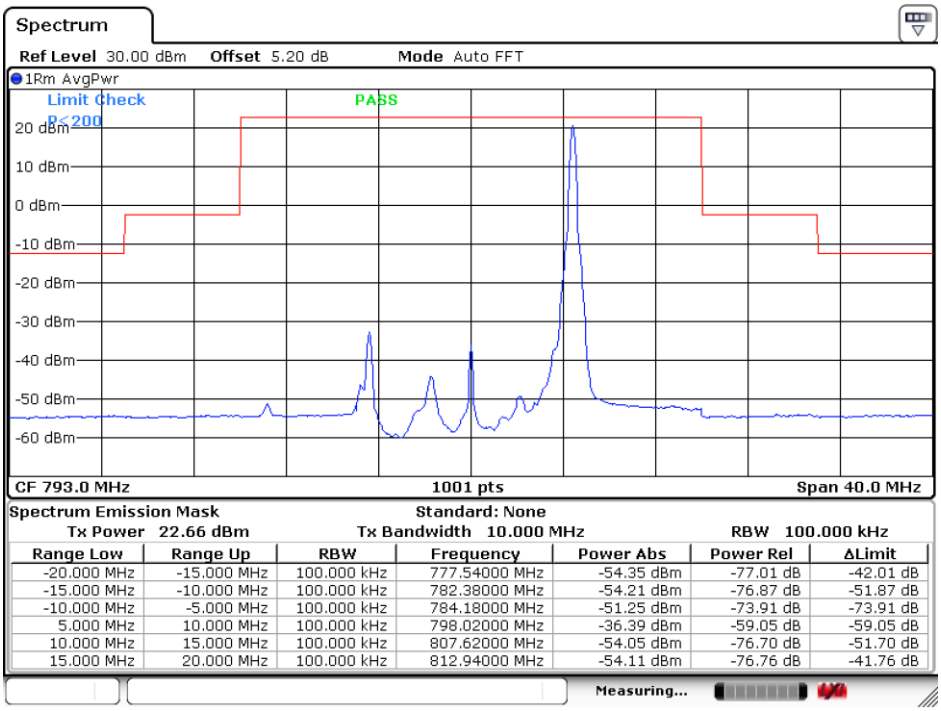
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.70000 MHz	-54.28 dBm	-76.88 dB	-41.88 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	779.78000 MHz	-53.99 dBm	-76.58 dB	-51.58 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-35.83 dBm	-58.42 dB	-58.42 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-51.36 dBm	-73.95 dB	-73.95 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.98000 MHz	-54.26 dBm	-76.86 dB	-51.86 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.74000 MHz	-54.21 dBm	-76.81 dB	-41.81 dB

Date: 20.OCT.2020 20:31:57

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 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

BAND 14_10MHz_16QAM_23330_1RB#49



Spectrum Emission Mask Standard: None

Tx Power 22.66 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.54000 MHz	-54.35 dBm	-77.01 dB	-42.01 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.38000 MHz	-54.21 dBm	-76.87 dB	-51.87 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	784.18000 MHz	-51.25 dBm	-73.91 dB	-73.91 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-36.39 dBm	-59.05 dB	-59.05 dB
10.000 MHz	15.000 MHz	100.000 kHz	807.62000 MHz	-54.05 dBm	-76.70 dB	-51.70 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.94000 MHz	-54.11 dBm	-76.76 dB	-41.76 dB

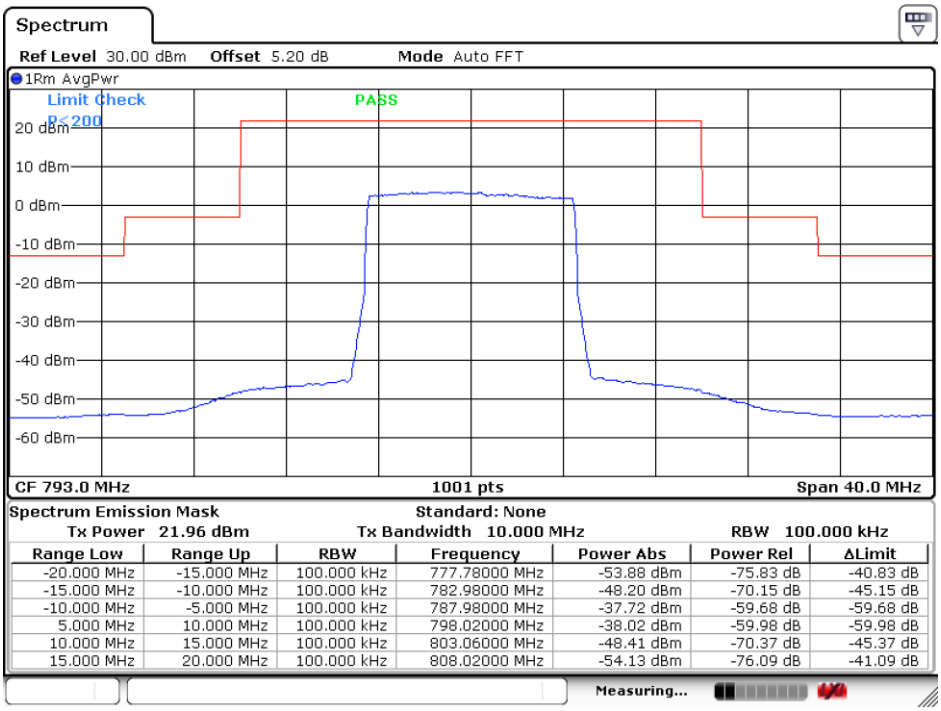
Date: 20.OCT.2020 20:32:15

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

BAND 14_10MHz_16QAM_23330_50RB#0



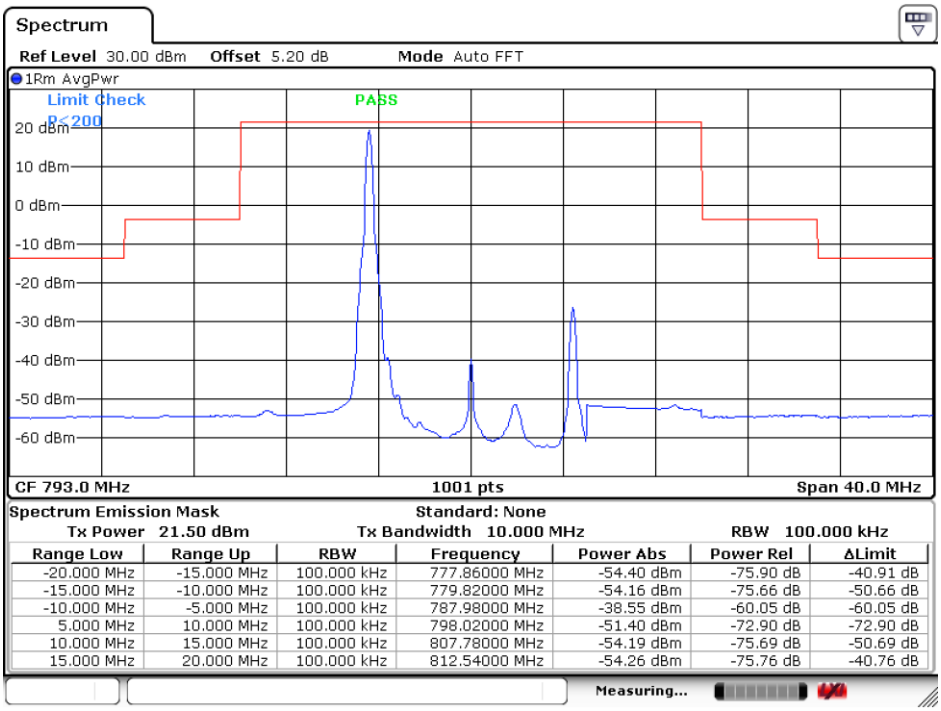
Spectrum Emission Mask Standard: None
Tx Power 21.96 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.78000 MHz	-53.88 dBm	-75.83 dB	-40.83 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.98000 MHz	-48.20 dBm	-70.15 dB	-45.15 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-37.72 dBm	-59.68 dB	-59.68 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-38.02 dBm	-59.98 dB	-59.98 dB
10.000 MHz	15.000 MHz	100.000 kHz	803.06000 MHz	-48.41 dBm	-70.37 dB	-45.37 dB
15.000 MHz	20.000 MHz	100.000 kHz	808.02000 MHz	-54.13 dBm	-76.09 dB	-41.09 dB

Date: 20.OCT.2020 20:31:03

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 EMC 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)

BAND 14_10MHz_64QAM_23330_1RB#0



Spectrum Emission Mask Standard: None

Tx Power 21.50 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.86000 MHz	-54.40 dBm	-75.90 dB	-40.91 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	779.82000 MHz	-54.16 dBm	-75.66 dB	-50.66 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-38.55 dBm	-60.05 dB	-60.05 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-51.40 dBm	-72.90 dB	-72.90 dB
10.000 MHz	15.000 MHz	100.000 kHz	807.78000 MHz	-54.19 dBm	-75.69 dB	-50.69 dB
15.000 MHz	20.000 MHz	100.000 kHz	812.54000 MHz	-54.26 dBm	-75.76 dB	-40.76 dB

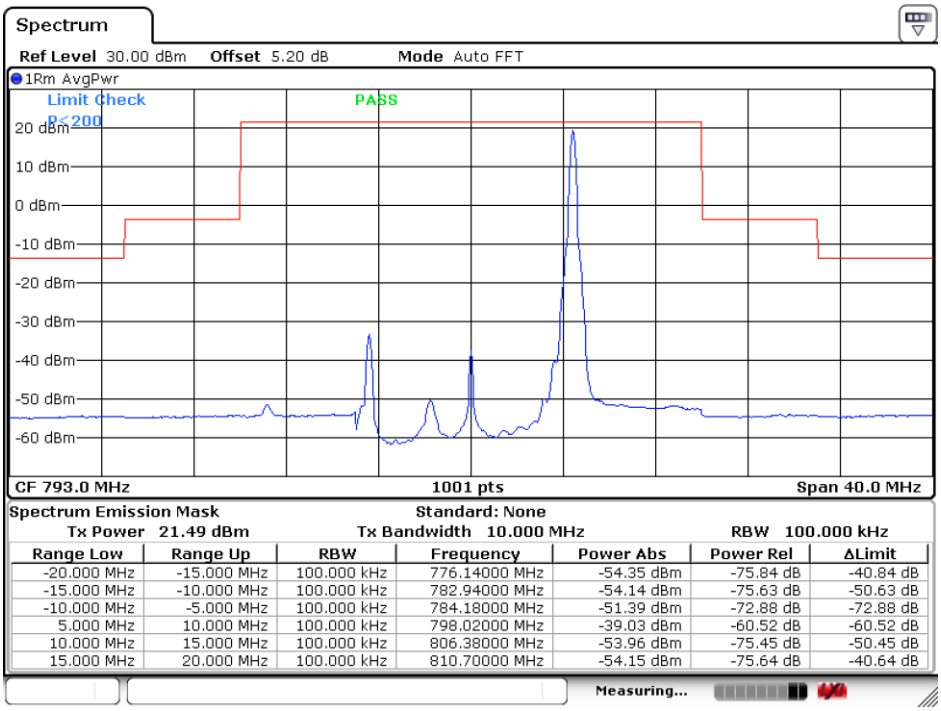
Date: 20.OCT.2020 20:31:41

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

BAND 14_10MHz_64QAM_23330_1RB#49



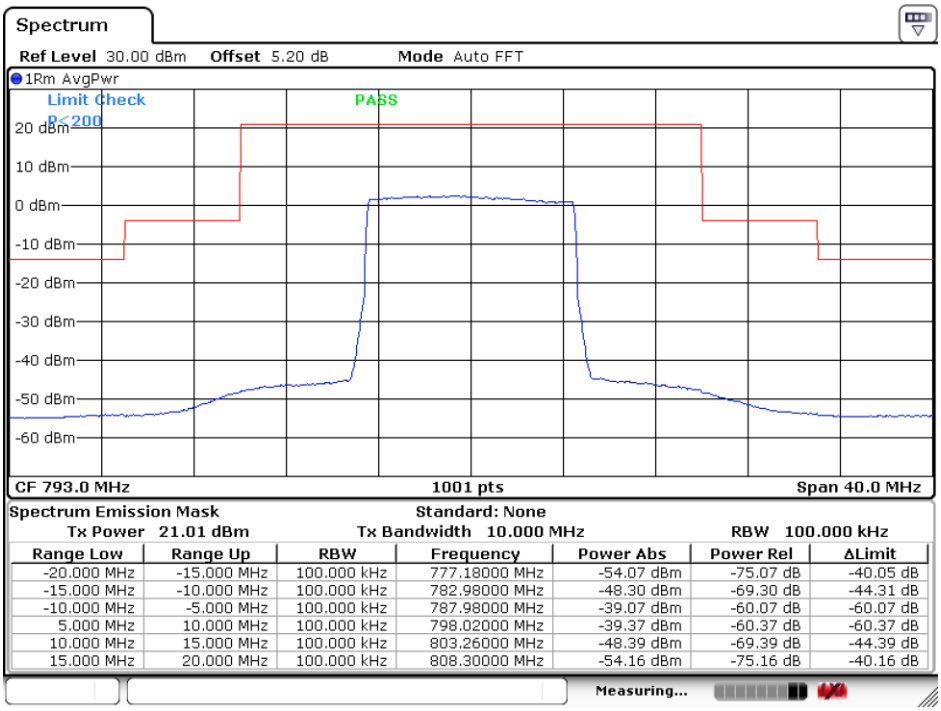
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	776.14000 MHz	-54.35 dBm	-75.84 dB	-40.84 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.94000 MHz	-54.14 dBm	-75.63 dB	-50.63 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	784.18000 MHz	-51.39 dBm	-72.88 dB	-72.88 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-39.03 dBm	-60.52 dB	-60.52 dB
10.000 MHz	15.000 MHz	100.000 kHz	806.38000 MHz	-53.96 dBm	-75.45 dB	-50.45 dB
15.000 MHz	20.000 MHz	100.000 kHz	810.70000 MHz	-54.15 dBm	-75.64 dB	-40.64 dB

Date: 20.OCT.2020 20:32:33

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

BAND 14_10MHz_64QAM_23330_50RB#0



Spectrum Emission Mask Standard: None
Tx Power 21.01 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

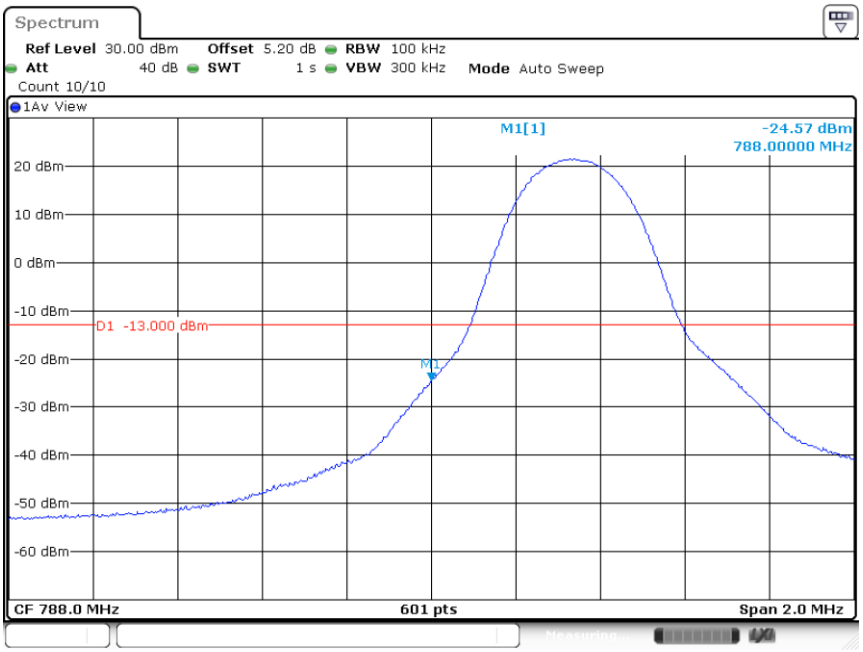
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-20.000 MHz	-15.000 MHz	100.000 kHz	777.18000 MHz	-54.07 dBm	-75.07 dB	-40.05 dB
-15.000 MHz	-10.000 MHz	100.000 kHz	782.98000 MHz	-48.30 dBm	-69.30 dB	-44.31 dB
-10.000 MHz	-5.000 MHz	100.000 kHz	787.98000 MHz	-39.07 dBm	-60.07 dB	-60.07 dB
5.000 MHz	10.000 MHz	100.000 kHz	798.02000 MHz	-39.37 dBm	-60.37 dB	-60.37 dB
10.000 MHz	15.000 MHz	100.000 kHz	803.26000 MHz	-48.39 dBm	-69.39 dB	-44.39 dB
15.000 MHz	20.000 MHz	100.000 kHz	808.30000 MHz	-54.16 dBm	-75.16 dB	-40.16 dB

Date: 20.OCT.2020 20:31:25

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)

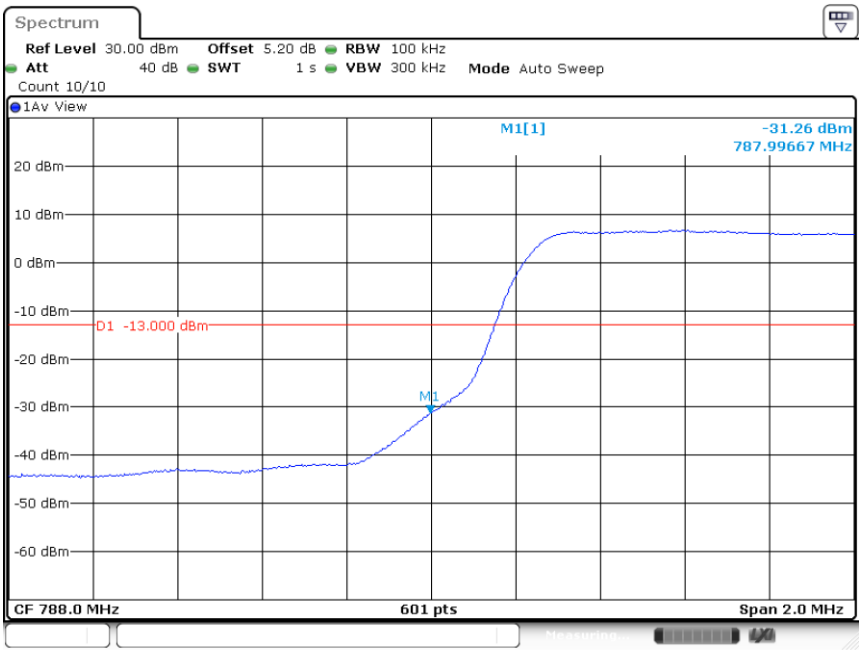
6. Band Edge Compliance

6.1. Test Plots

Band14-5MHz-QPSK-23305-1RB#0


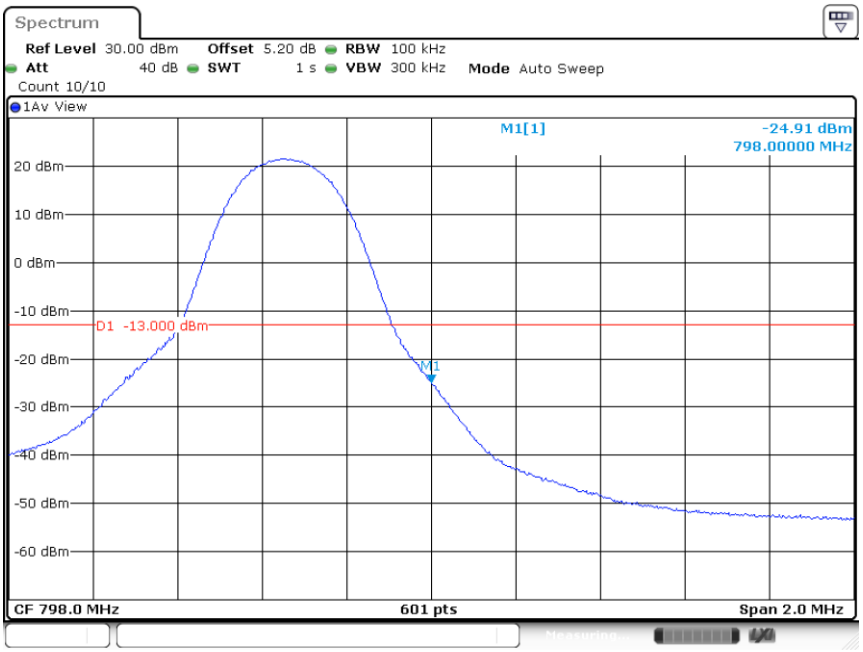
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-QPSK-23305-25RB#0



Date: 30.SEP.2020 09:12:03

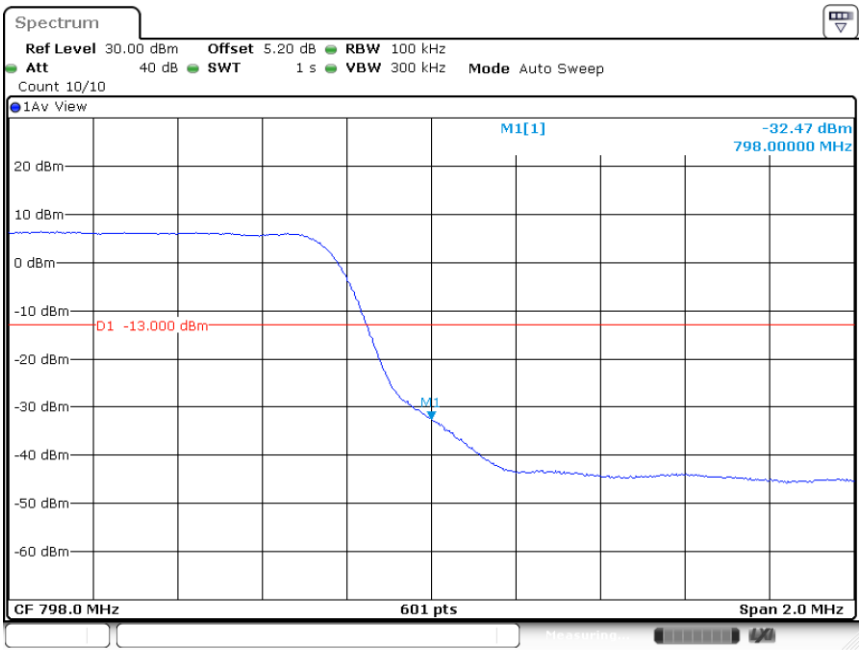
Band14-5MHz-QPSK-23355-1RB#24



Date: 30.SEP.2020 09:12:58

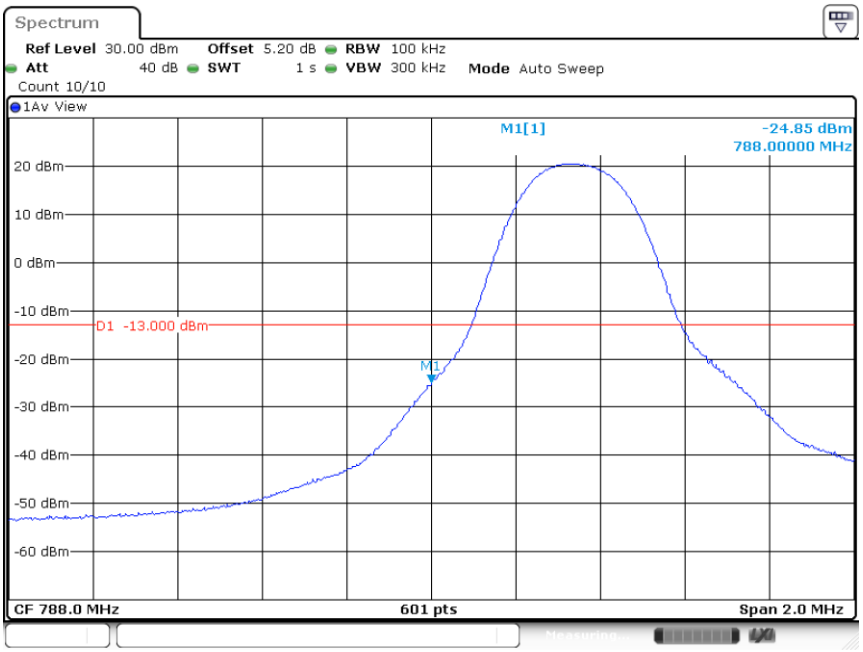
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-QPSK-23355-25RB#0



Date: 30.SEP.2020 09:13:45

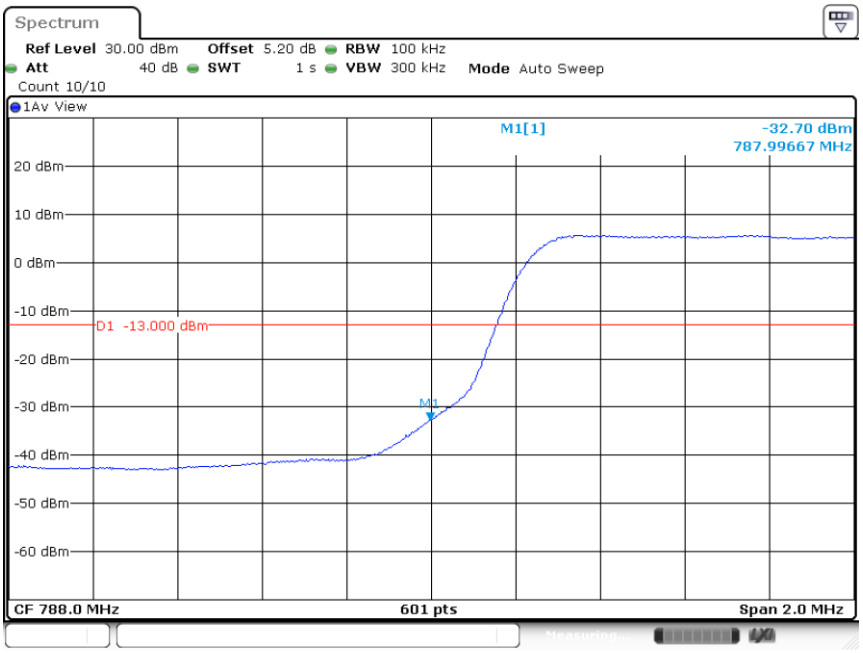
Band14-5MHz-16QAM-23305-1RB#0



Date: 30.SEP.2020 09:11:39

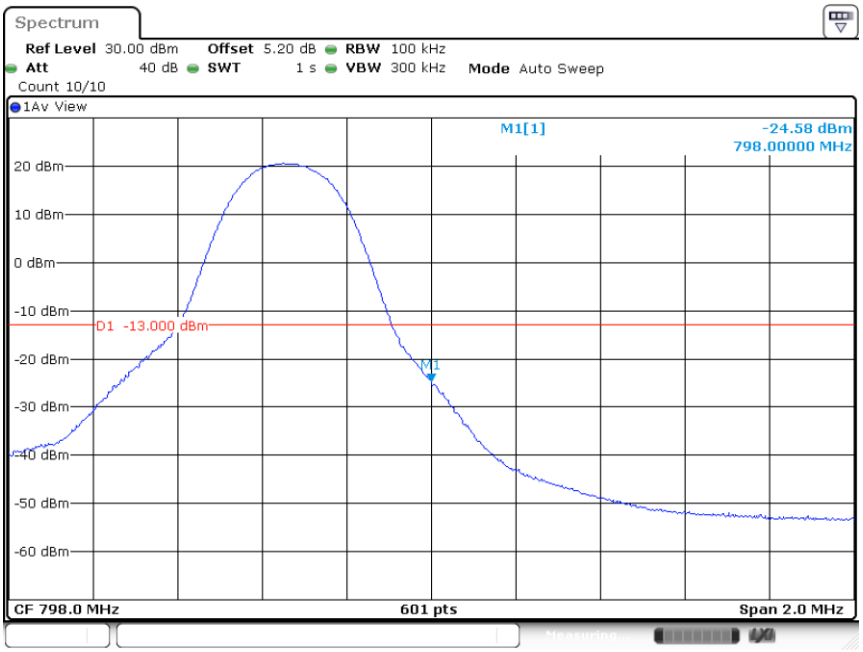
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-16QAM-23305-25RB#0



Date: 30.SEP.2020 09:12:27

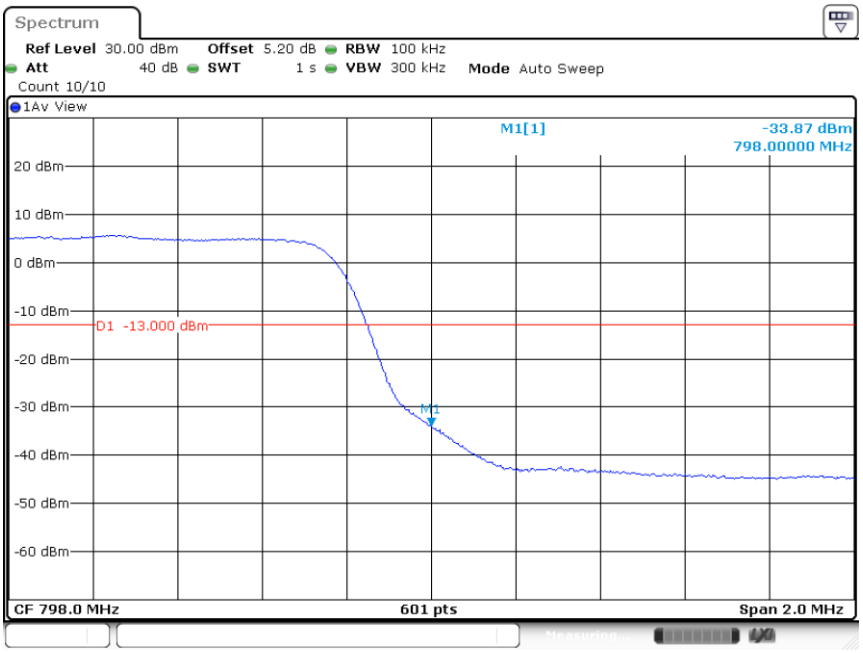
Band14-5MHz-16QAM-23355-1RB#24



Date: 30.SEP.2020 09:13:21

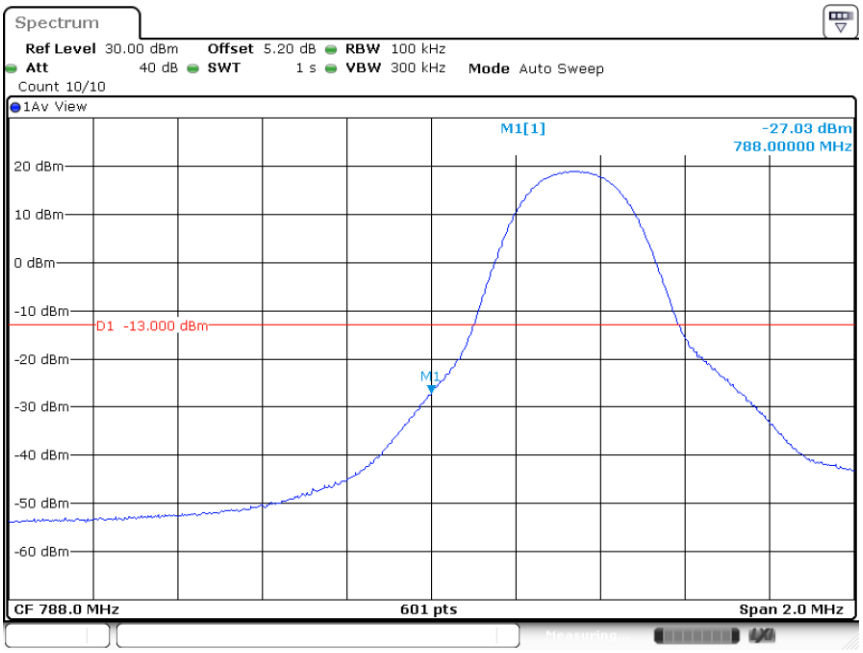
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-16QAM-23355-25RB#0



Date: 30.SEP.2020 09:14:08

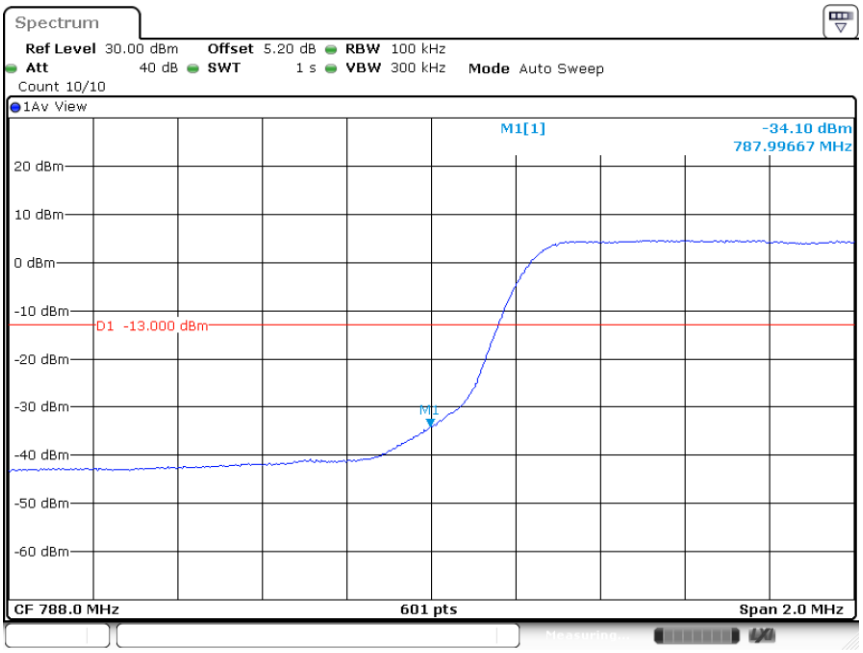
Band14-5MHz-64QAM-23305-1RB#0



Date: 30.SEP.2020 09:24:49

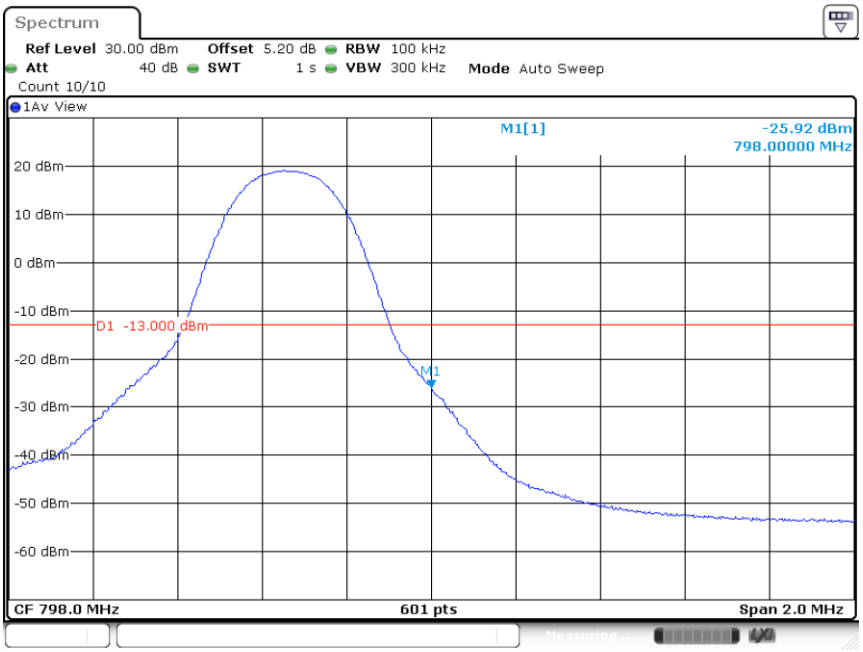
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-64QAM-23305-25RB#0



Date: 30.SEP.2020 09:25:12

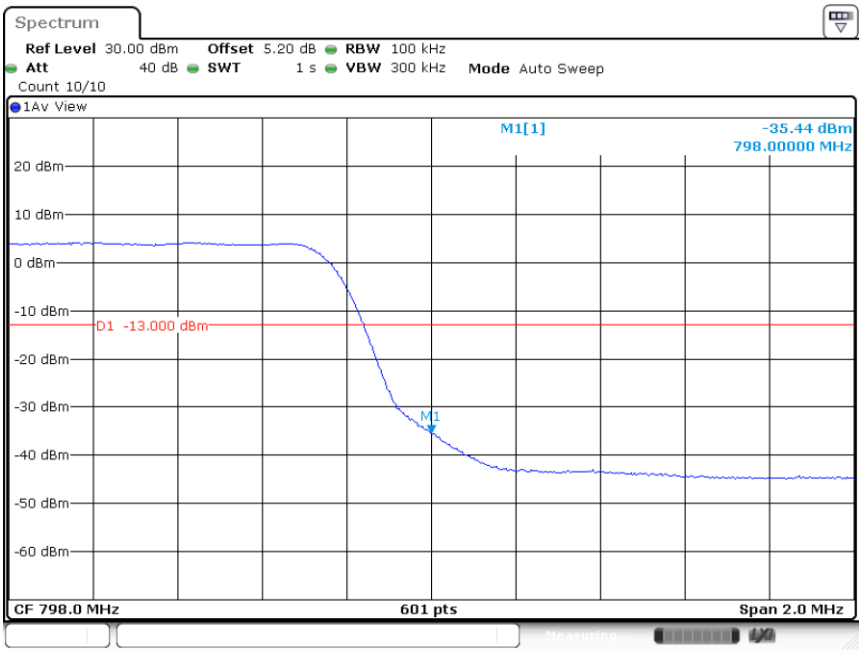
Band14-5MHz-64QAM-23355-1RB#24



Date: 30.SEP.2020 09:25:44

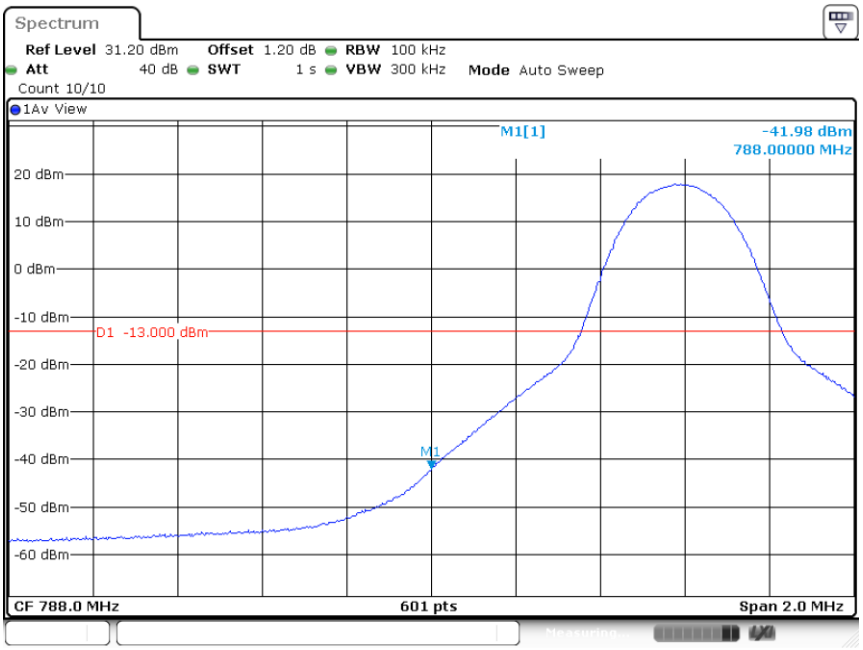
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-5MHz-64QAM-23355-25RB#0



Date: 30.SEP.2020 09:26:07

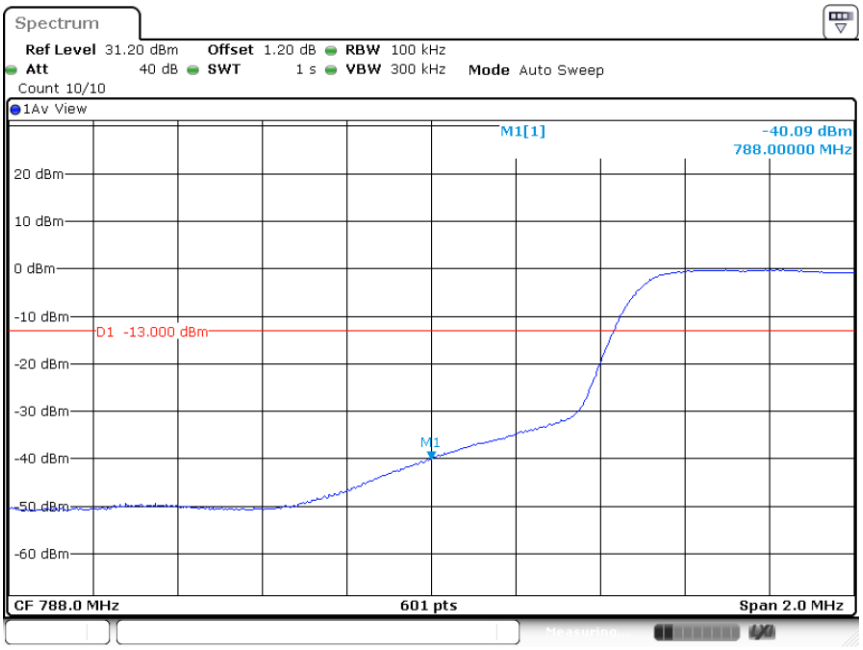
Band14-10MHz-QPSK-23330_Left-1RB#0



Date: 12.OCT.2020 09:55:59

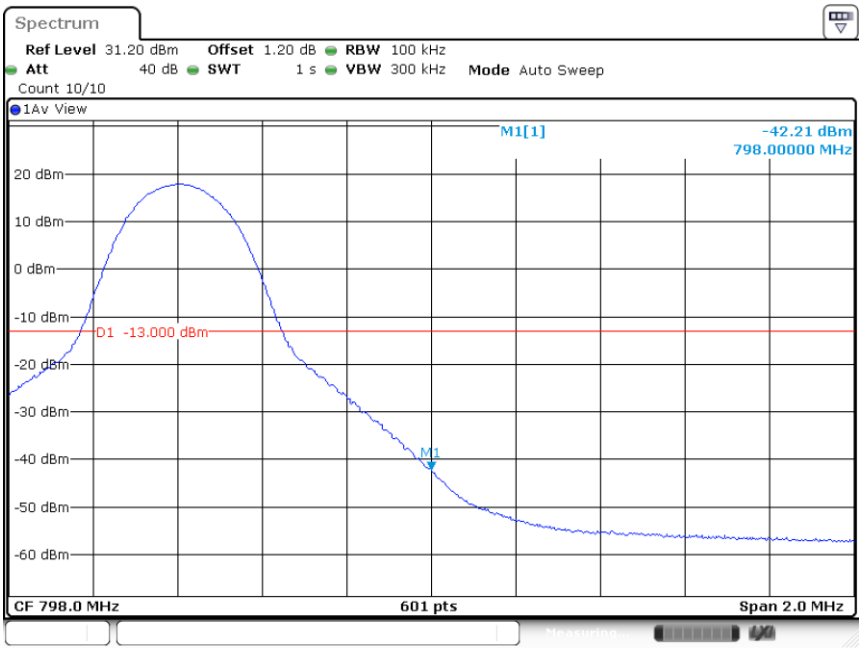
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-QPSK-23330_Left-50RB#0



Date: 12.OCT.2020 09:56:44

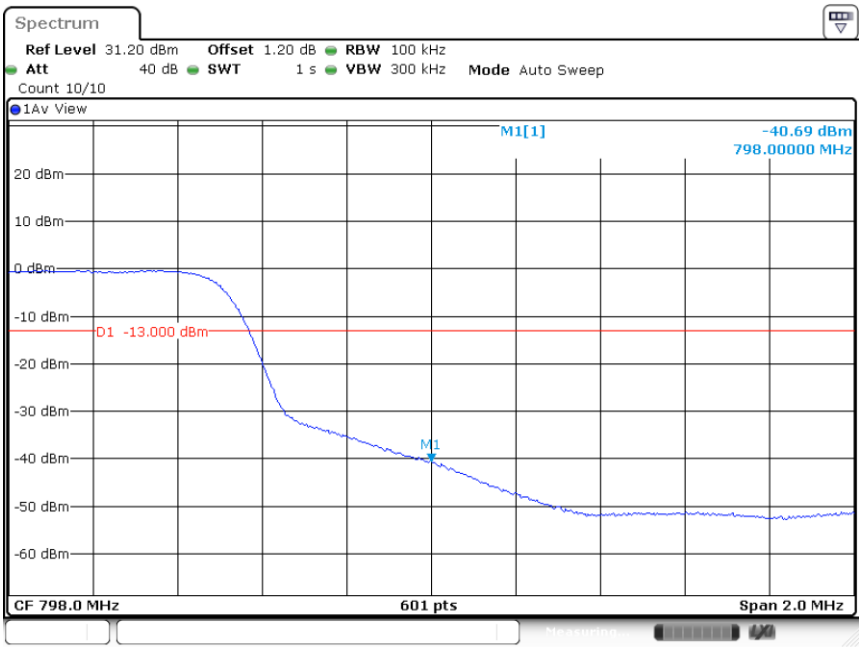
Band14-10MHz-QPSK-23330_Right-1RB#49



Date: 12.OCT.2020 09:57:32

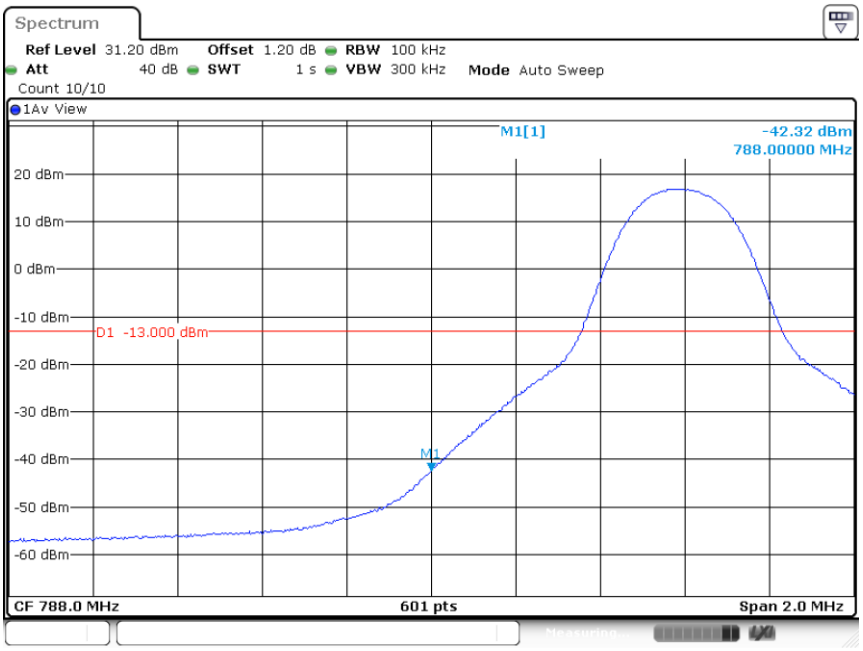
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-QPSK-23330_Right-50RB#0



Date: 12.OCT.2020 09:58:17

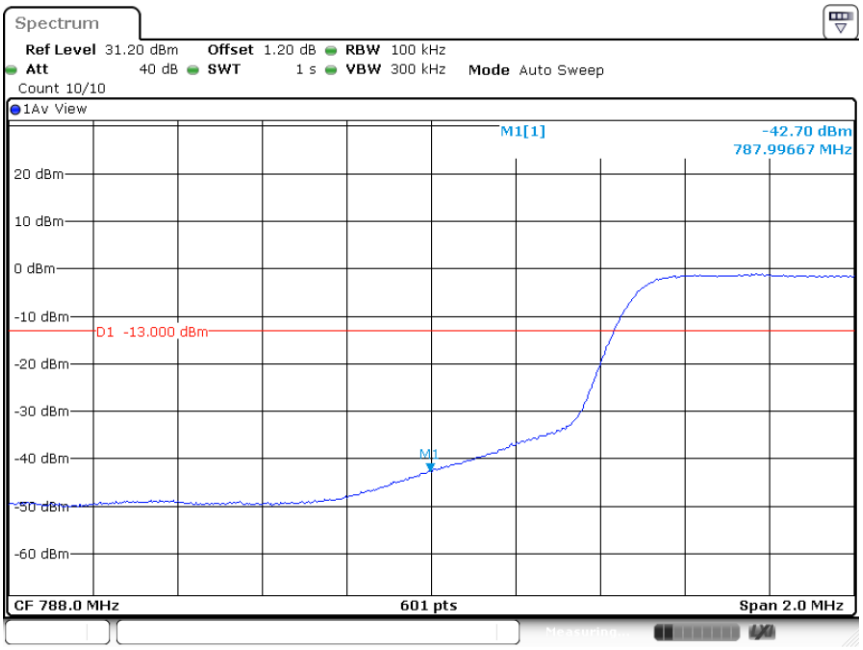
Band14-10MHz-16QAM-23330_Left-1RB#0



Date: 12.OCT.2020 09:08:55

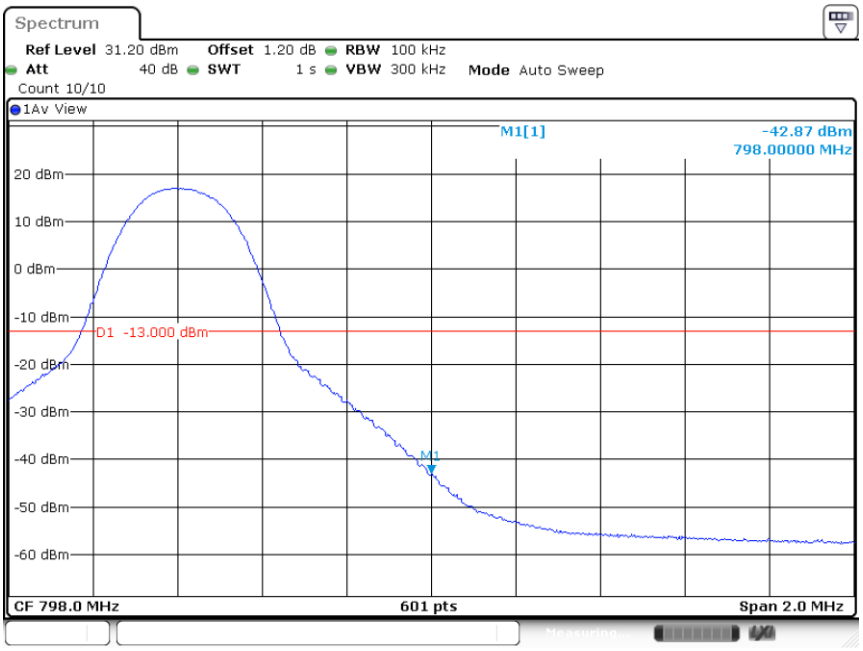
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-16QAM-23330_Left-50RB#0



Date: 12.OCT.2020 09:09:39

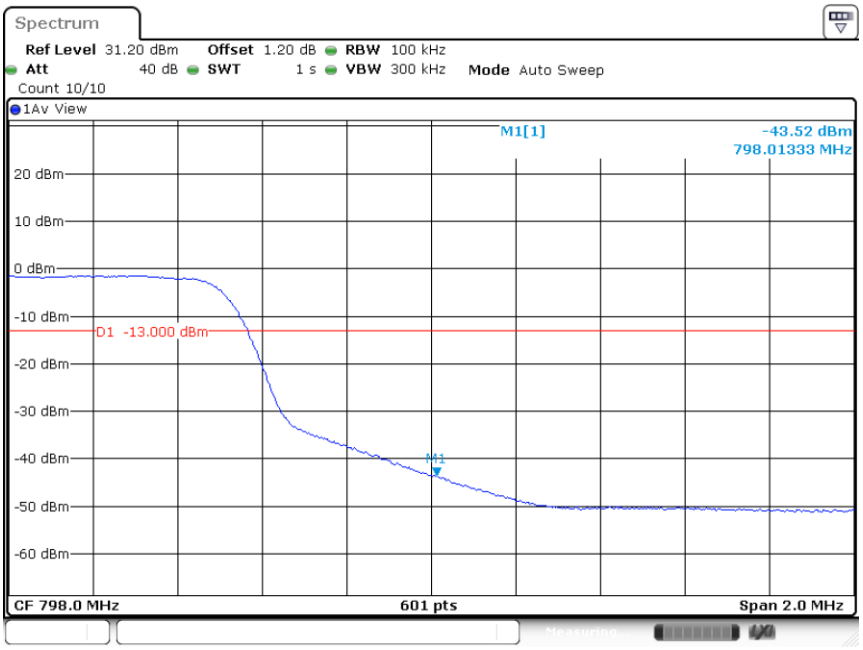
Band14-10MHz-16QAM-23330_Right-1RB#49



Date: 12.OCT.2020 09:10:28

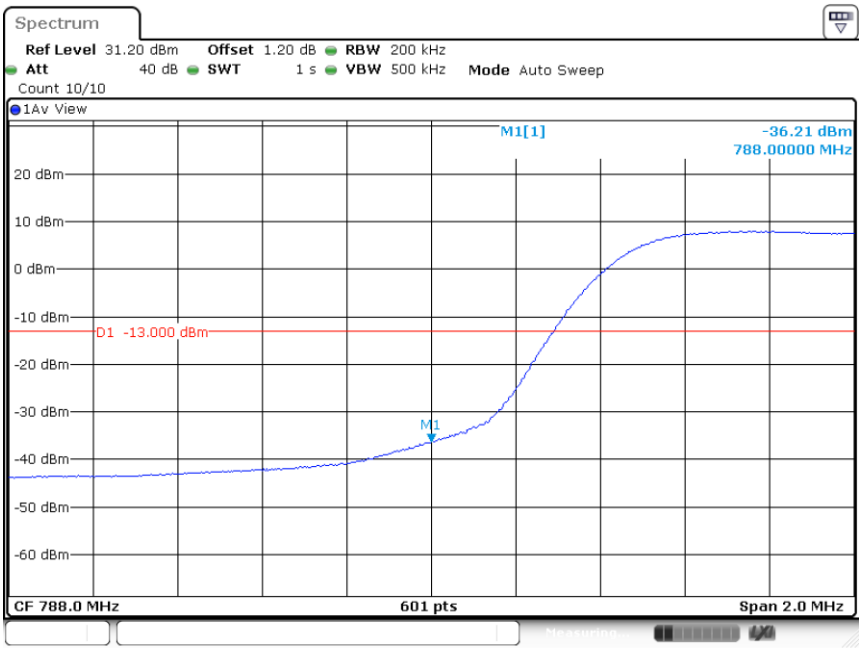
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-16QAM-23330_Right-50RB#0



Date: 12.OCT.2020 09:11:13

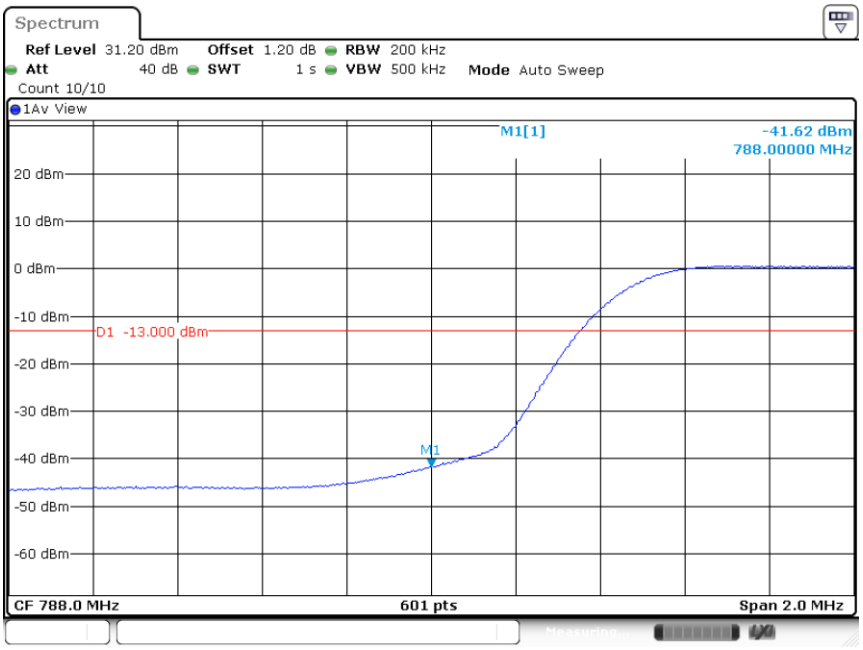
Band14-10MHz-64QAM-23330_Left-1RB#0



Date: 12.OCT.2020 09:05:45

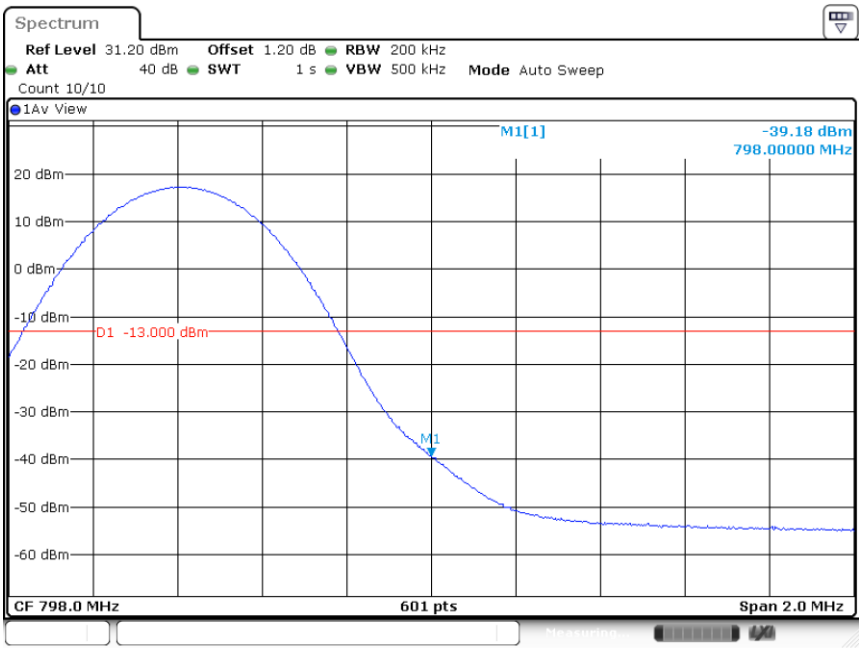
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band14-10MHz-64QAM-23330_Left-50RB#0



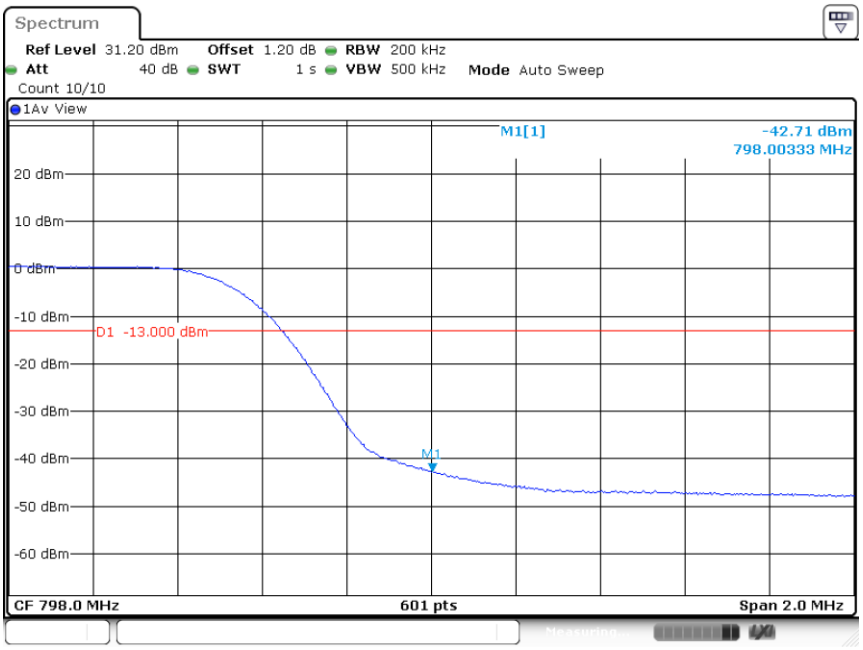
Date: 12.OCT.2020 09:06:07

Band14-10MHz-64QAM-23330_Right-1RB#49



Date: 12.OCT.2020 09:06:34

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
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)

Band14-10MHz-64QAM-23330_Right-50RB#0


Date: 12.OCT.2020 09:06:56

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 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

Member of the SGS Group (SGS SA)

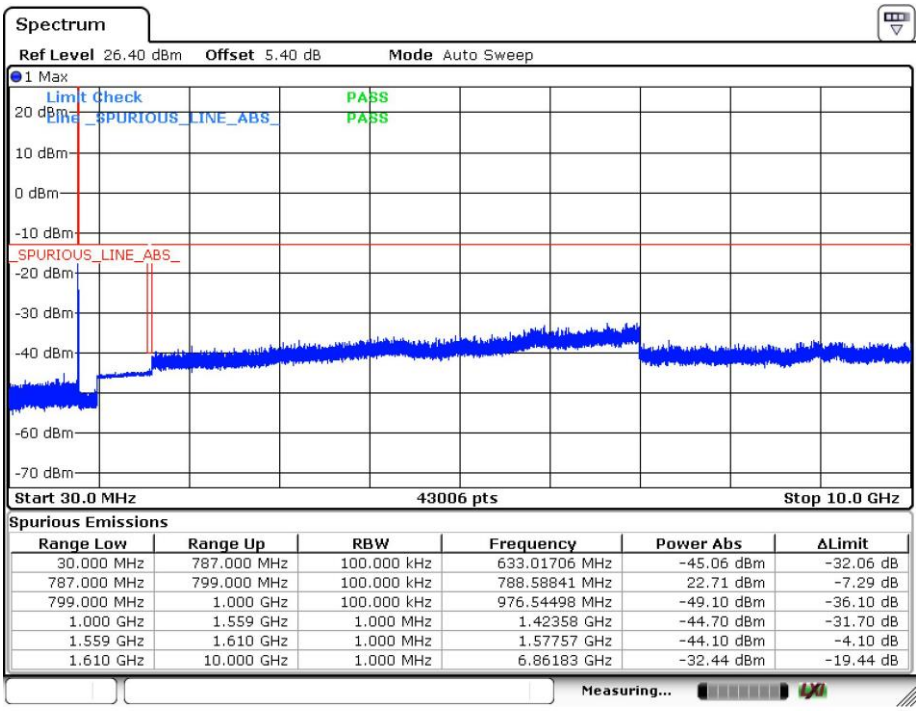
7. Spurious Emission at Antenna Terminal

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.

7.1. Test Plots

Band14-10MHz-QPSK-23330-1RB#0-Range1:30~10000MHz



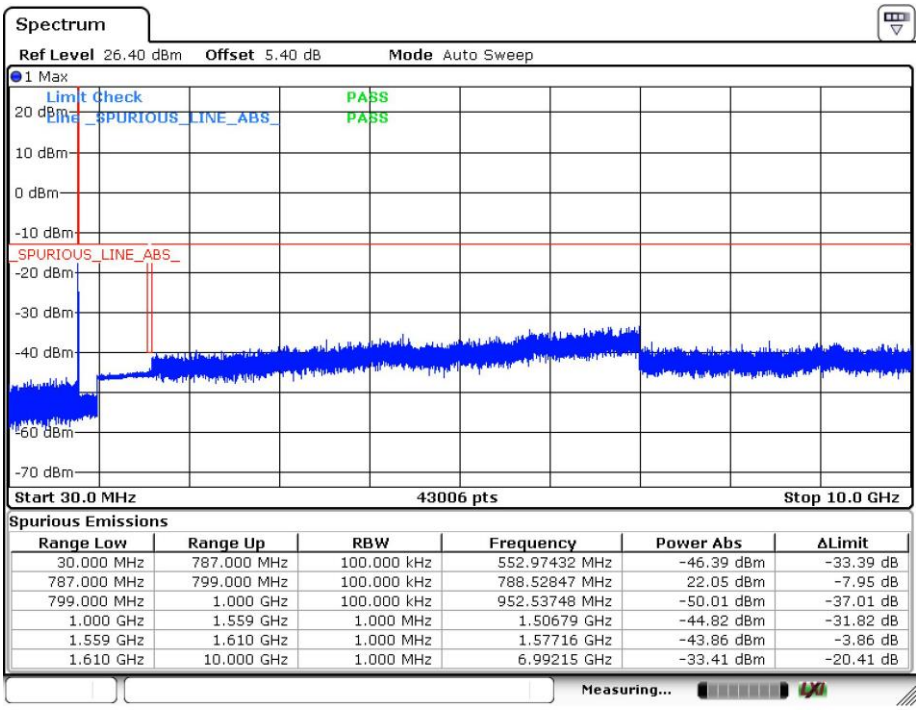
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	787.000 MHz	100.000 kHz	633.01706 MHz	-45.06 dBm	-32.06 dB
787.000 MHz	799.000 MHz	100.000 kHz	788.58841 MHz	22.71 dBm	-7.29 dB
799.000 MHz	1.000 GHz	100.000 kHz	976.54498 MHz	-49.10 dBm	-36.10 dB
1.000 GHz	1.559 GHz	1.000 MHz	1.42358 GHz	-44.70 dBm	-31.70 dB
1.559 GHz	1.610 GHz	1.000 MHz	1.57757 GHz	-44.10 dBm	-4.10 dB
1.610 GHz	10.000 GHz	1.000 MHz	6.86183 GHz	-32.44 dBm	-19.44 dB

Date: 30.SEP.2020 09:02:53

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 Electronic 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
Member of the SGS Group (SGS SA)

Band14-10MHz-16QAM-23330-1RB#0-Range1:30~10000MHz



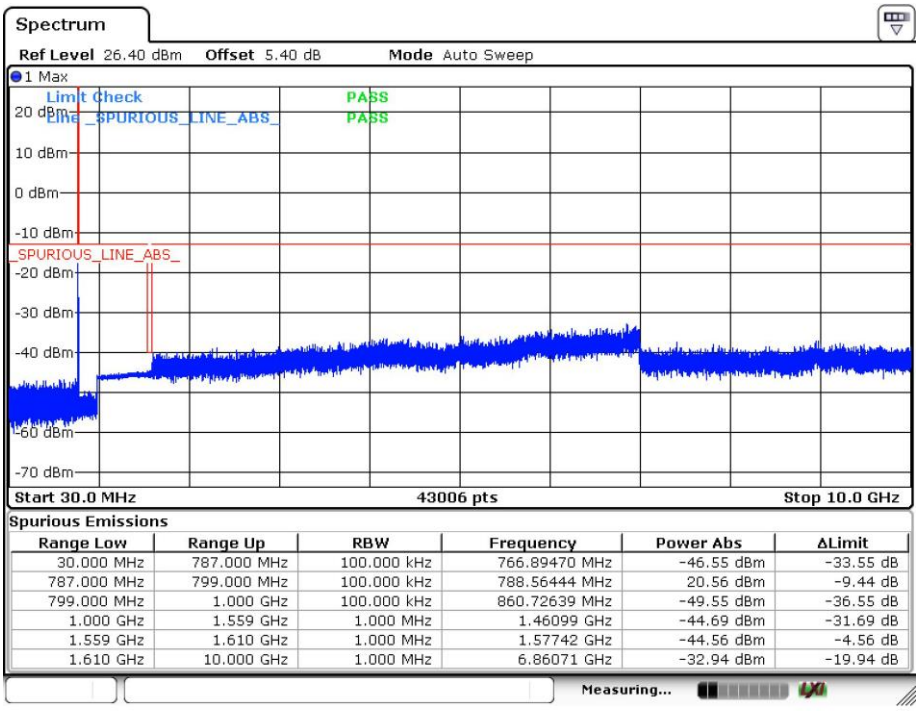
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	787.000 MHz	100.000 kHz	552.97432 MHz	-46.39 dBm	-33.39 dB
787.000 MHz	799.000 MHz	100.000 kHz	788.52847 MHz	22.05 dBm	-7.95 dB
799.000 MHz	1.000 GHz	100.000 kHz	952.53748 MHz	-50.01 dBm	-37.01 dB
1.000 GHz	1.559 GHz	1.000 MHz	1.50679 GHz	-44.82 dBm	-31.82 dB
1.559 GHz	1.610 GHz	1.000 MHz	1.57716 GHz	-43.86 dBm	-3.86 dB
1.610 GHz	10.000 GHz	1.000 MHz	6.99215 GHz	-33.41 dBm	-20.41 dB

Date: 30.SEP.2020 09:03:10

Band14-10MHz-64QAM-23330-1RB#0-Range1:30~10000MHz

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	787.000 MHz	100.000 kHz	766.89470 MHz	-46.55 dBm	-33.55 dB
787.000 MHz	799.000 MHz	100.000 kHz	788.56444 MHz	20.56 dBm	-9.44 dB
799.000 MHz	1.000 GHz	100.000 kHz	860.72639 MHz	-49.55 dBm	-36.55 dB
1.000 GHz	1.559 GHz	1.000 MHz	1.46099 GHz	-44.69 dBm	-31.69 dB
1.559 GHz	1.610 GHz	1.000 MHz	1.57742 GHz	-44.56 dBm	-4.56 dB
1.610 GHz	10.000 GHz	1.000 MHz	6.86071 GHz	-32.94 dBm	-19.94 dB

Date: 30.SEP.2020 09:03:25

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

Member of the SGS Group (SGS SA)

8. Field Strength of Spurious Radiation

8.1. Test Mode =LTE/TM1 10MHz

8.1.1.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
69.713333	-72.97	-13.00	59.97	241	33	Vertical
106.486667	-74.62	-13.00	61.62	275	5	Vertical
530.391667	-78.98	-13.00	65.98	203	350	Vertical
1577.000000	-63.30	-40.00	23.30	251	129	Vertical
3942.825000	-52.94	-13.00	39.94	237	68	Vertical
4731.600000	-61.29	-13.00	48.29	204	14	Vertical
45.913333	-66.56	-13.00	53.56	281	6	Horizontal
101.726667	-71.90	-13.00	58.90	166	0	Horizontal
471.770833	-75.86	-13.00	62.86	168	69	Horizontal
1577.000000	-63.64	-40.00	23.64	182	28	Horizontal
3942.825000	-50.21	-13.00	37.21	280	236	Horizontal
4731.600000	-58.60	-13.00	45.60	151	141	Horizontal

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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

9. Frequency Stability

9.1. Frequency Vs Voltage

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	3.30	0.004161	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-0.20	-0.000252	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	0.40	0.000504	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VL	NT	-1.30	-0.001639	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VN	NT	-2.10	-0.002648	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VH	NT	0.60	0.000757	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	VL	NT	2.00	0.002522	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	VN	NT	-1.60	-0.002018	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	VH	NT	-1.40	-0.001765	±2.5	PASS

9.2. Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	-2.10	-0.002648	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	0.50	0.000631	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	3.60	0.004540	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	1.10	0.001387	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-1.60	-0.002018	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	2.10	0.002648	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	0.10	0.000126	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-2.70	-0.003405	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	1.00	0.001261	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-30	1.80	0.002270	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-20	2.60	0.003279	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-10	3.50	0.004414	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	0	-1.80	-0.002270	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	10	-0.90	-0.001135	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	20	-0.50	-0.000631	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	30	-1.10	-0.001387	±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)

Band14	10MHz	16QAM	23330	50RB#0	NV	40	-0.80	-0.001009	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	50	-0.20	-0.000252	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	-30	-1.20	-0.001513	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	-20	-0.90	-0.001135	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	-10	-0.90	-0.001135	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	0	-1.40	-0.001765	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	10	-1.30	-0.001639	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	20	-1.00	-0.001261	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	30	-0.90	-0.001135	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	40	-0.60	-0.000757	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	50	-0.10	-0.000126	±2.5	PASS

The End

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