Appendix B

E-UTRA Band 4

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

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

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 3

1.1. TEST RESULT 3

2. PEAK-TO-AVERAGE RATIO (CCDF) 15

2.1. TEST RESULT 15

2.2. TEST PLOTS 15

3. MODULATION CHARACTERISTICS 20

3.1. TEST MODE = LTE /TM1 20MHZ 20

3.1.1. TEST CHANNEL = MCH 20

3.2. TEST MODE = LTE /TM2 20MHZ 21

3.2.1. TEST CHANNEL = MCH 21

3.3. TEST MODE = LTE /TM3 20MHZ 22

3.3.1. TEST CHANNEL = MCH 22

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH 23

4.1. TEST RESULT 23

4.2. TEST PLOTS 25

5. BAND EDGE COMPLIANCE 52

5.1. TEST RESULT 52

5.2. TEST PLOTS 54

6. SPURIOUS EMISSION AT ANTENNA TERMINAL 91

6.1. TEST PLOTS 91

7. FIELD STRENGTH OF SPURIOUS RADIATION 101

7.1. TEST MODE =LTE/TM1 20MHZ 101

7.1.1. TEST CHANNEL = LCH 101

7.1.2. TEST CHANNEL = MCH 101

7.1.3. TEST CHANNEL = HCH 102

8. FREQUENCY STABILITY 103

8.1. FREQUENCY VS VOLTAGE 103

8.2. FREQUENCY VS TEMPERATURE 104

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

1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.06	21.06	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.16	21.16	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.15	21.15	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.24	21.24	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#2	23.22	21.22	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.07	21.07	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.49	20.49	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.92	20.92	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.16	21.16	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.98	20.98	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.05	21.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#2	23.01	21.01	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.83	20.83	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.36	20.36	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.17	21.17	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.19	21.19	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.16	21.16	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.15	21.15	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#2	23.28	21.28	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.14	21.14	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.68	20.68	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.54	19.54	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.65	19.65	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.67	19.67	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.61	19.61	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#2	21.61	19.61	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.67	19.67	30.00	PASS

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

Band4	1.4MHz	64QAM	19957	6RB#0	20.77	18.77	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.68	19.68	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.67	19.67	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.54	19.54	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.62	19.62	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#2	21.68	19.68	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.65	19.65	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.75	18.75	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.59	19.59	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.59	19.59	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.59	19.59	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.63	19.63	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#2	21.66	19.66	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.64	19.64	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.54	18.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.45	20.45	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.73	20.73	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.58	20.58	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.55	20.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#2	22.60	20.60	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.54	20.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.55	19.55	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.66	20.66	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.92	20.92	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.42	20.42	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.28	20.28	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#2	22.45	20.45	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.43	20.43	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.39	19.39	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.60	20.60	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.09	21.09	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.87	20.87	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.62	20.62	30.00	PASS

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

Band4	1.4MHz	16QAM	20393	3RB#2	22.80	20.80	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.72	20.72	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.58	19.58	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.22	21.22	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#7	23.24	21.24	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.12	21.12	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.59	20.59	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.57	20.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.58	20.58	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.61	20.61	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	20.95	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#7	23.21	21.21	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.09	21.09	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.59	20.59	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.61	20.61	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.54	20.54	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.56	20.56	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.99	20.99	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#7	23.28	21.28	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.18	21.18	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.56	20.56	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.58	20.58	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.60	20.60	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.51	20.51	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.58	19.58	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#7	21.60	19.60	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.66	19.66	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.67	18.67	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.70	18.70	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.72	18.72	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.74	18.74	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.59	19.59	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#7	21.54	19.54	30.00	PASS

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

Band4	3MHz	64QAM	20175	1RB#14	21.60	19.60	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.75	18.75	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.78	18.78	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.69	18.69	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.61	18.61	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.57	19.57	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#7	21.68	19.68	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.57	19.57	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.78	18.78	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.54	18.54	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.75	18.75	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.76	18.76	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.64	20.64	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#7	22.57	20.57	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.59	20.59	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.73	19.73	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.64	19.64	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.69	19.69	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.65	19.65	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.84	20.84	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#7	22.71	20.71	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.17	20.17	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.70	19.70	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.66	19.66	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.62	19.62	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.70	19.70	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.67	20.67	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#7	23.01	21.01	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.19	20.19	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.61	19.61	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.76	19.76	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.59	19.59	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.60	19.60	30.00	PASS

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

Band4	5MHz	QPSK	19975	1RB#0	23.11	21.11	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#13	23.14	21.14	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.03	21.03	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.49	20.49	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.47	20.47	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.49	20.49	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.47	20.47	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.11	21.11	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#13	23.39	21.39	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.24	21.24	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.74	20.74	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.77	20.77	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.70	20.70	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.97	20.97	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.26	21.26	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#13	23.18	21.18	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.56	20.56	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.54	20.54	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.61	20.61	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.52	20.52	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.97	20.97	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.67	19.67	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#13	21.62	19.62	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.67	19.67	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.54	18.54	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.54	18.54	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.67	18.67	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.73	18.73	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.65	19.65	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#13	21.55	19.55	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.62	19.62	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.65	18.65	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.54	18.54	30.00	PASS

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

Band4	5MHz	64QAM	20175	12RB#13	20.73	18.73	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.77	18.77	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.60	19.60	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#13	21.58	19.58	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.62	19.62	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.78	18.78	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.58	18.58	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.73	18.73	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.56	18.56	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.51	20.51	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#13	22.43	20.43	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.47	20.47	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.61	19.61	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.52	19.52	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.58	19.58	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.55	19.55	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.05	21.05	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#13	22.46	20.46	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.36	20.36	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.91	19.91	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.82	19.82	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.81	19.81	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.86	19.86	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.62	20.62	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#13	22.97	20.97	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.19	20.19	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.56	19.56	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.72	19.72	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.54	19.54	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.57	19.57	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.12	21.12	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#25	23.09	21.09	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.01	21.01	30.00	PASS

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

Band4	10MHz	QPSK	20000	25RB#0	22.50	20.50	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#13	22.47	20.47	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.45	20.45	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.43	20.43	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.09	21.09	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#25	23.37	21.37	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.24	21.24	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.73	20.73	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#13	22.74	20.74	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.66	20.66	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.69	20.69	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.97	20.97	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#25	23.21	21.21	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.13	21.13	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.51	20.51	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#13	22.50	20.50	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.60	20.60	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.49	20.49	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.66	19.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#25	21.66	19.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.67	19.67	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.78	18.78	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#13	20.55	18.55	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.55	18.55	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.62	18.62	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.54	19.54	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#25	21.57	19.57	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.54	19.54	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.69	18.69	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#13	20.74	18.74	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.70	18.70	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.71	18.71	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.60	19.60	30.00	PASS

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

Band4	10MHz	64QAM	20350	1RB#25	21.56	19.56	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.57	19.57	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.59	18.59	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#13	20.69	18.69	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.57	18.57	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.63	18.63	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.50	20.50	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#25	22.39	20.39	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.48	20.48	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.61	19.61	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#13	21.53	19.53	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.59	19.59	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.53	19.53	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.04	21.04	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#25	22.42	20.42	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.36	20.36	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.89	19.89	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#13	21.81	19.81	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.77	19.77	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.81	19.81	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.59	20.59	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#25	22.95	20.95	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.16	20.16	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.51	19.51	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#13	21.70	19.70	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.52	19.52	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.56	19.56	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.01	21.01	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.03	21.03	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.95	20.95	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.39	20.39	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.41	20.41	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.36	20.36	30.00	PASS

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

Band4	15MHz	QPSK	20025	75RB#0	22.38	20.38	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.03	21.03	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.26	21.26	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.15	21.15	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.65	20.65	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.64	20.64	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.59	20.59	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.62	20.62	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.90	20.90	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.16	21.16	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.06	21.06	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.40	20.40	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.44	20.44	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.51	20.51	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.38	20.38	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.57	19.57	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.61	19.61	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.64	19.64	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.58	18.58	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.57	18.57	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.72	18.72	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.77	18.77	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.64	19.64	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.65	19.65	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.64	19.64	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.55	18.55	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.60	18.60	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.72	18.72	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.59	18.59	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.55	19.55	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.68	19.68	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.67	19.67	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.67	18.67	30.00	PASS

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

Band4	15MHz	64QAM	20325	36RB#18	20.61	18.61	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.76	18.76	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.59	18.59	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.42	20.42	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.29	20.29	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.38	20.38	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.55	19.55	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.48	19.48	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.52	19.52	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.43	19.43	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.98	20.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.31	20.31	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.26	20.26	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.81	19.81	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.71	19.71	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.68	19.68	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.70	19.70	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.51	20.51	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.85	20.85	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.09	21.09	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.40	19.40	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.61	19.61	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.44	19.44	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.45	19.45	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.31	21.31	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#50	23.17	21.17	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.34	21.34	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.37	20.37	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.27	20.27	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.36	21.36	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#50	23.28	21.28	30.00	PASS

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

Band4	20MHz	QPSK	20175	1RB#99	23.45	21.45	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.44	20.44	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.42	20.42	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.40	20.40	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.34	21.34	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#50	23.25	21.25	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.52	21.52	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.32	20.32	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.34	20.34	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.33	20.33	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.33	20.33	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.62	19.62	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#50	21.62	19.62	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.68	19.68	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.70	18.70	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.71	18.71	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.65	18.65	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.62	18.62	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.64	19.64	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#50	21.66	19.66	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.56	19.56	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.75	18.75	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.66	18.66	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.62	18.62	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.68	18.68	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.65	19.65	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#50	21.61	19.61	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.67	19.67	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.59	18.59	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.68	18.68	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.59	18.59	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.68	18.68	30.00	PASS

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

Band4	20MHz	16QAM	20050	1RB#0	22.67	20.67	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#50	22.81	20.81	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.22	20.22	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.26	19.26	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.37	19.37	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.39	19.39	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.37	19.37	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.66	20.66	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#50	22.52	20.52	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.18	20.18	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.48	19.48	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.38	19.38	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.48	19.48	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.43	19.43	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.15	21.15	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#50	22.38	20.38	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.25	20.25	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.30	19.30	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.26	19.26	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.35	19.35	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.35	19.35	30.00	PASS

Remark:

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

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

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

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

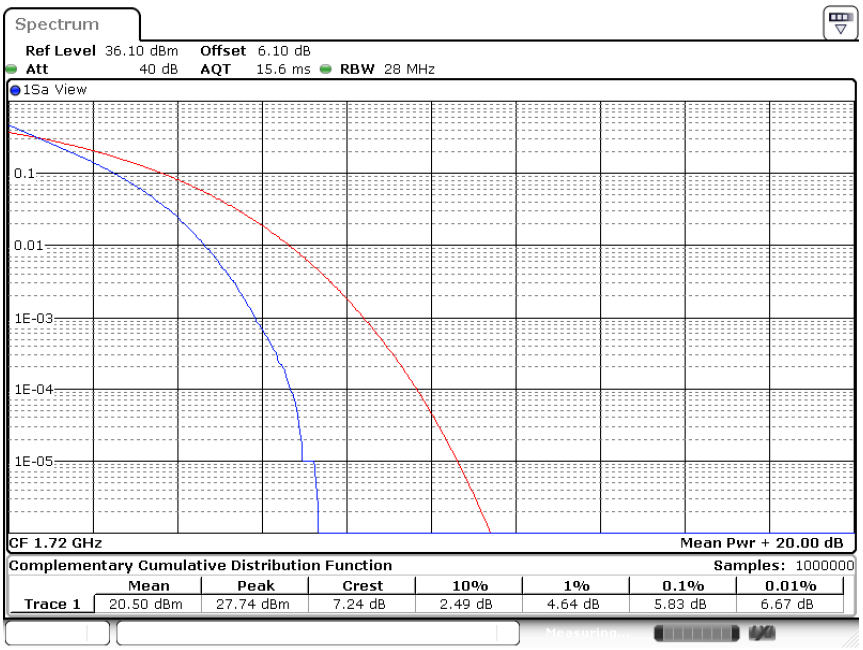
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.83	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.71	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.77	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.81	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.67	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.70	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.70	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.52	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.52	13	PASS

2.2. Test Plots

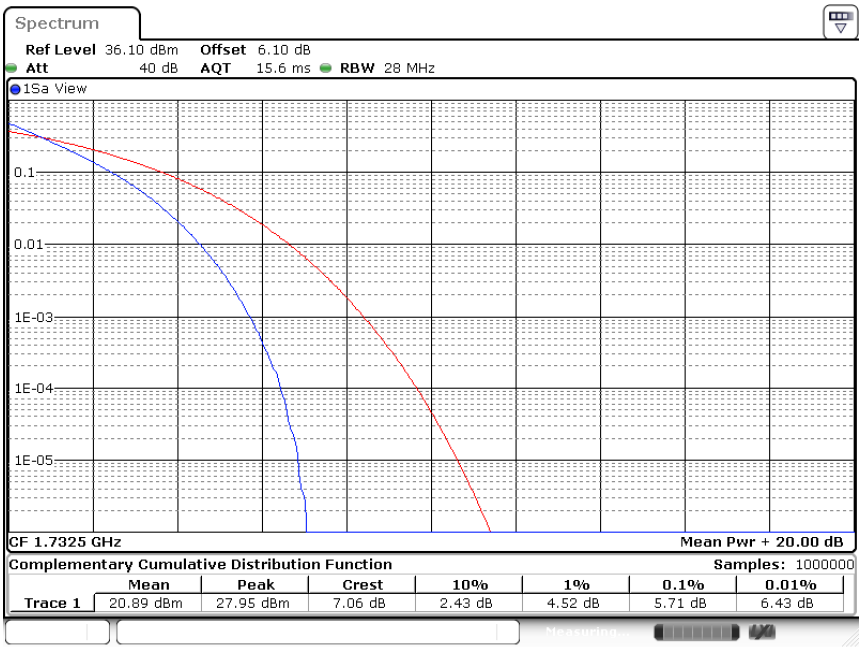
Band4-20MHz-QPSK-20050-100RB#0



Date: 12.AUG.2020 23:28:01

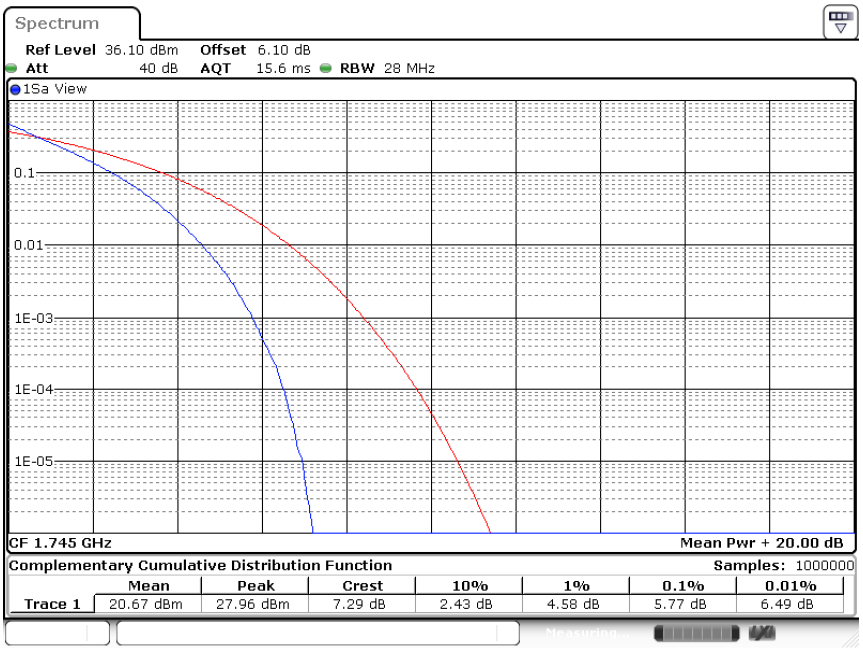
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20175-100RB#0



Date: 12.AUG.2020 23:28:18

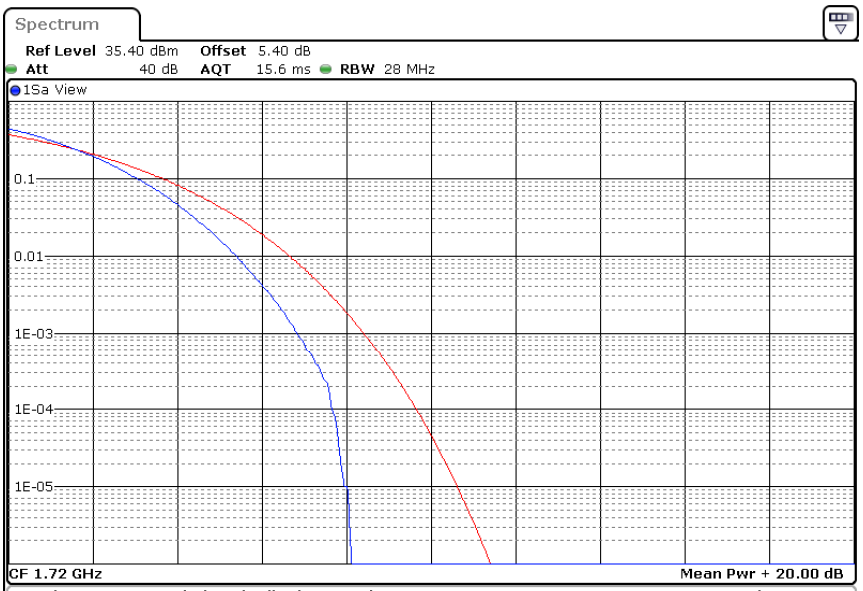
Band4-20MHz-QPSK-20300-100RB#0



Date: 12.AUG.2020 23:28:35

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

Band4-20MHz-64QAM-20050-100RB#0

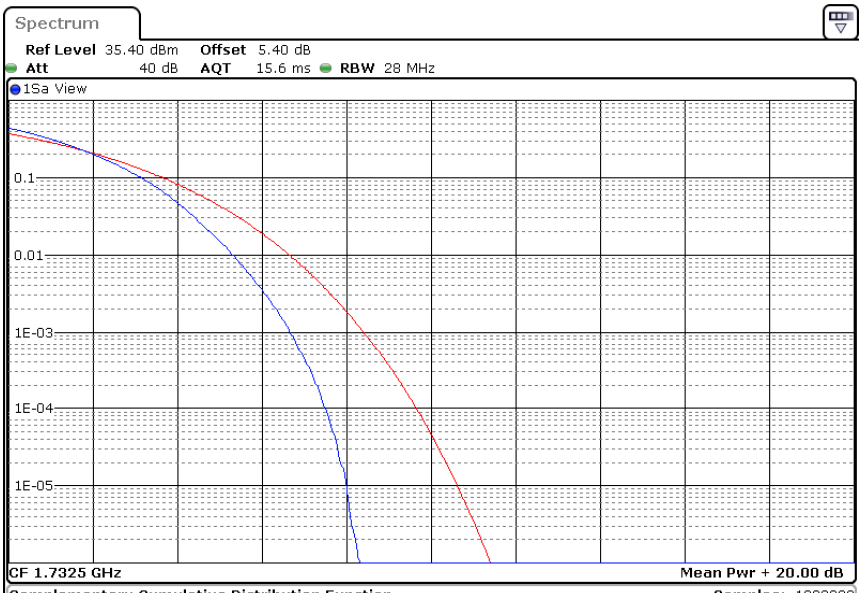


Complementary Cumulative Distribution Function Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.18 dBm	29.20 dBm	8.02 dB	3.04 dB	5.36 dB	6.81 dB	7.65 dB

Date: 28.AUG.2020 16:35:09

Band4-20MHz-64QAM-20175-100RB#0



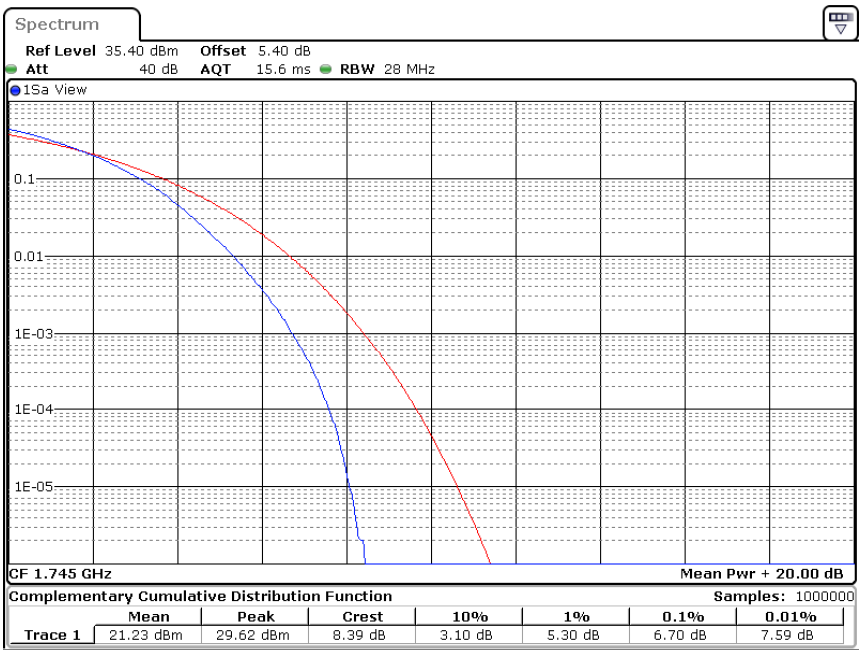
Complementary Cumulative Distribution Function Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.44 dBm	29.94 dBm	8.50 dB	3.13 dB	5.30 dB	6.67 dB	7.48 dB

Date: 28.AUG.2020 16:35:21

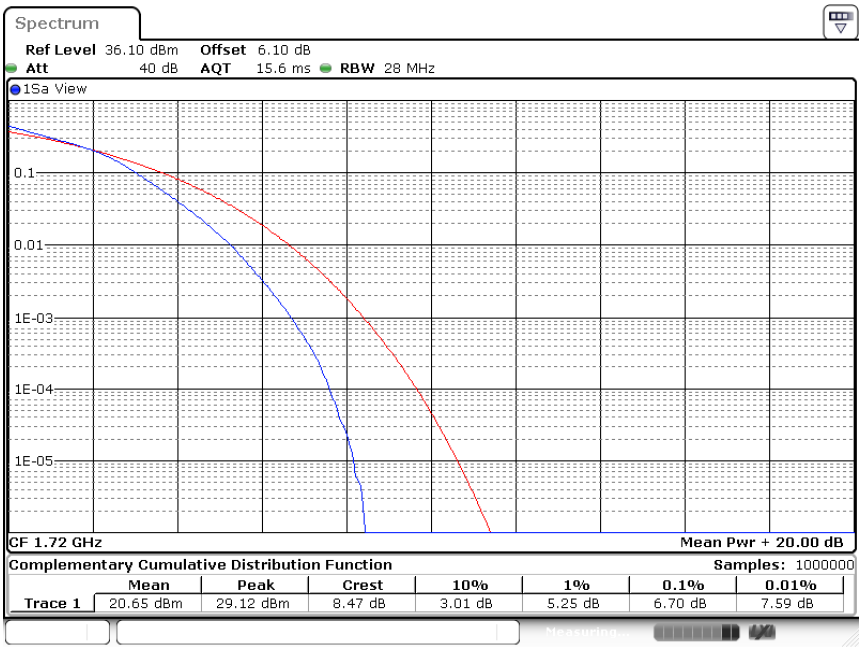
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-64QAM-20300-100RB#0



Date: 28.AUG.2020 16:35:32

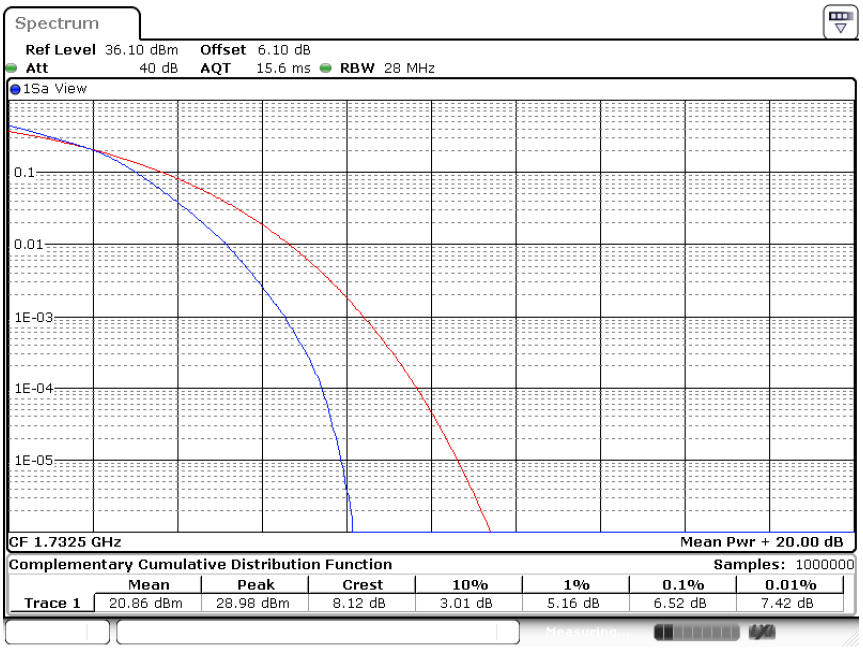
Band4-20MHz-16QAM-20050-100RB#0



Date: 12.AUG.2020 23:28:10

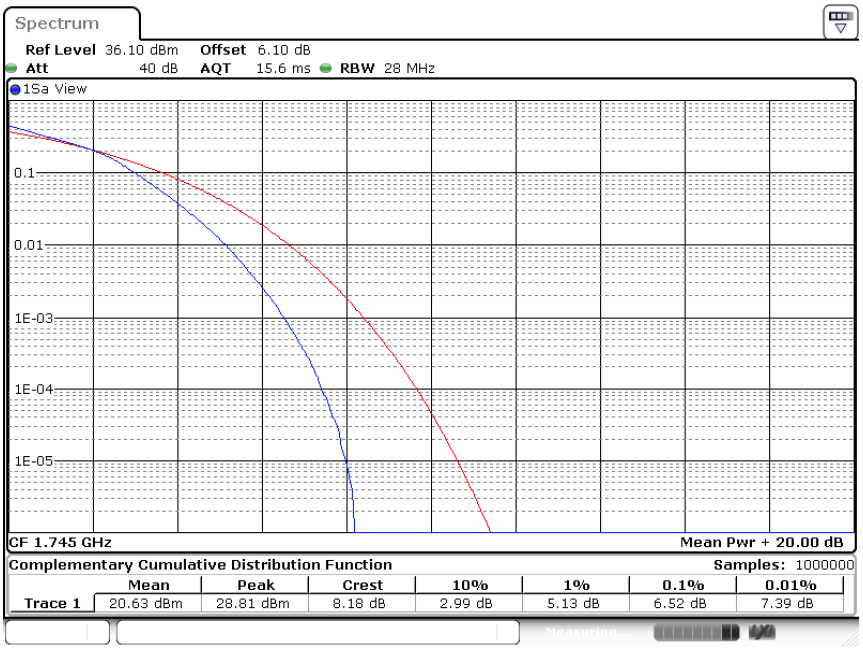
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-16QAM-20175-100RB#0



Date: 12.AUG.2020 23:28:27

Band4-20MHz-16QAM-20300-100RB#0



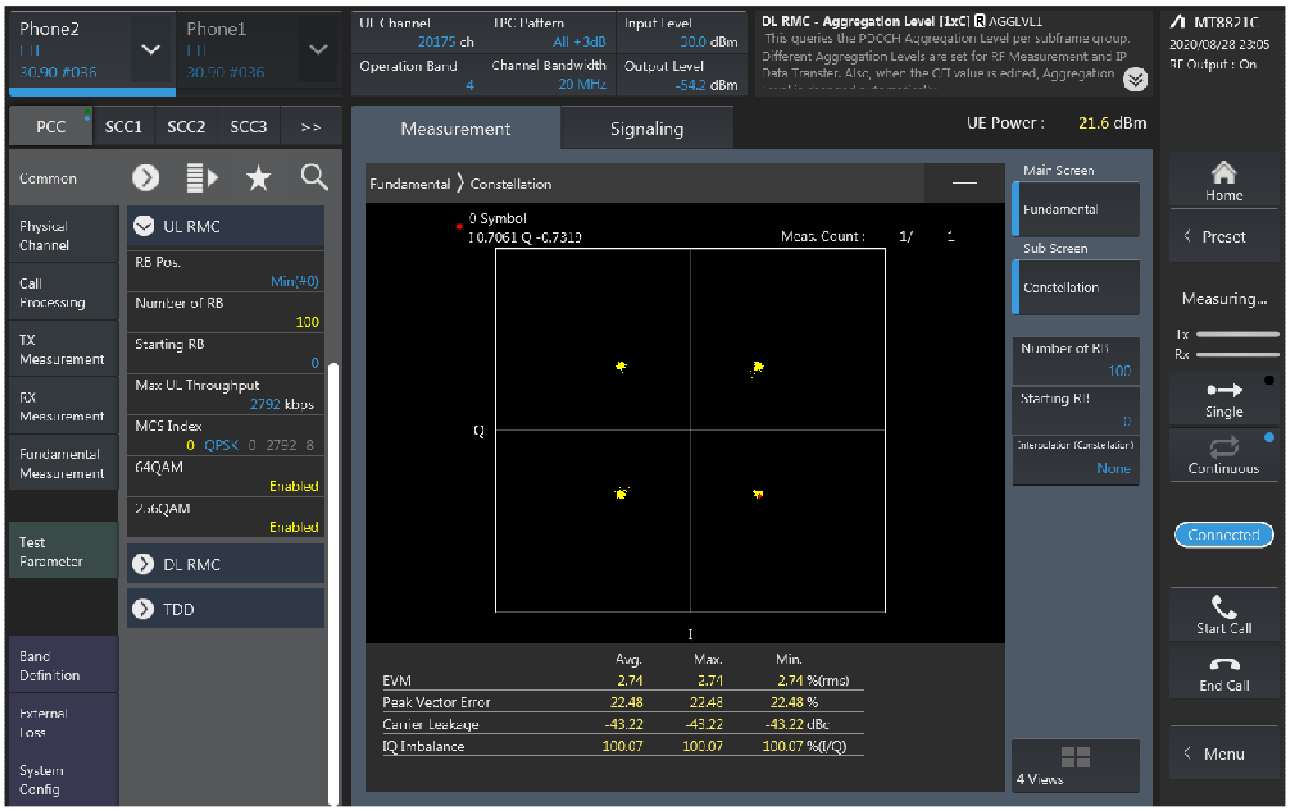
Date: 12.AUG.2020 23:28:44

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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

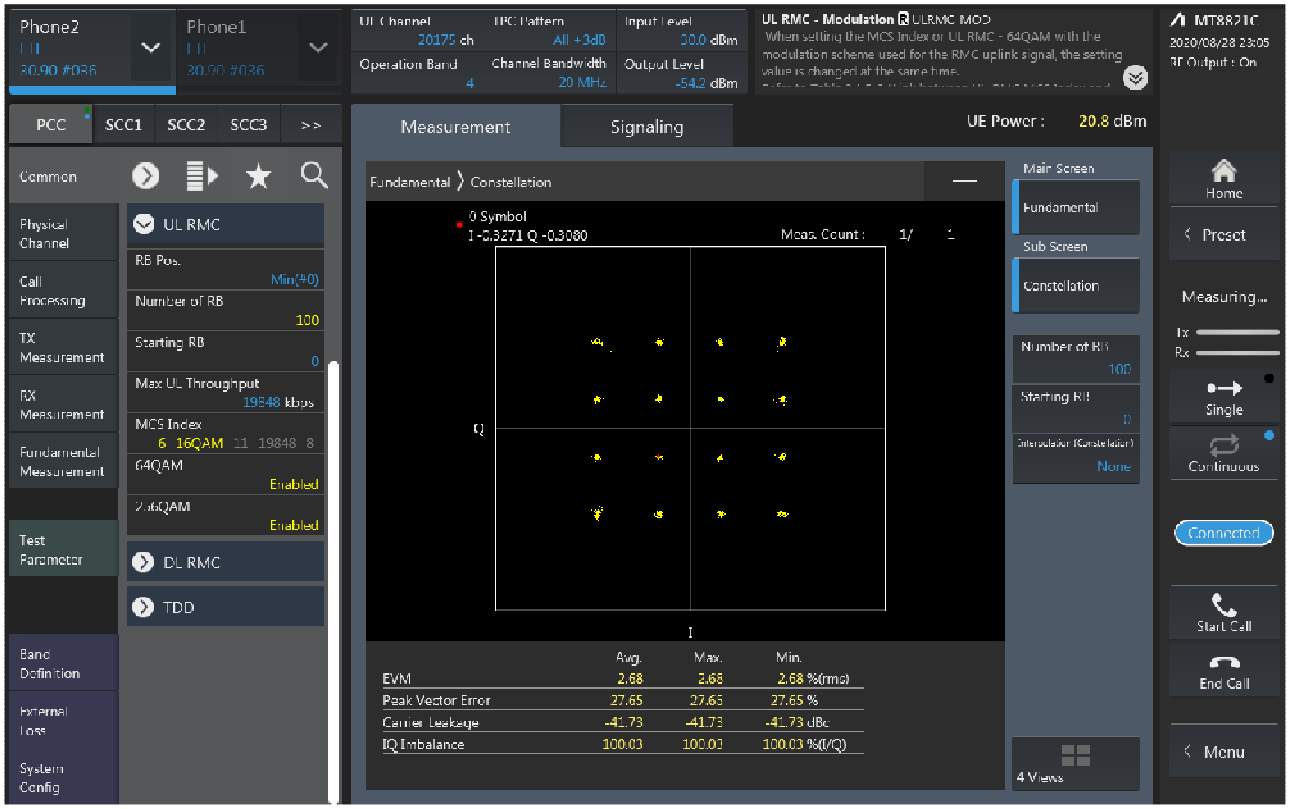
3.1.1.Test Channel = MCH



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

3.2. Test Mode = LTE /TM2 20MHz

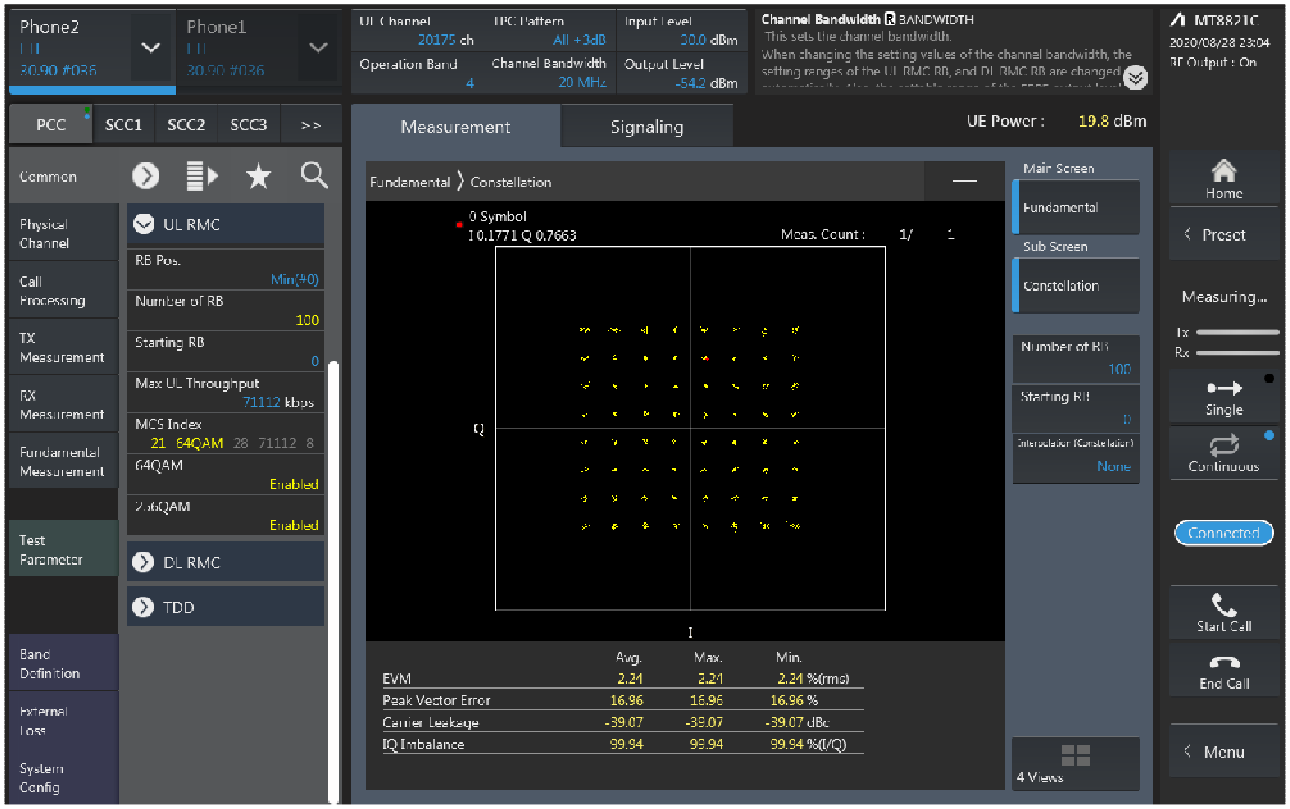
3.2.1.Test Channel = MCH



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

3.3. Test Mode = LTE /TM3 20MHz

3.3.1.Test Channel = MCH



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

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

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

Member of the SGS Group (SGS SA)

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.284	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.1	1.302	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.094	1.272	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.1	1.296	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.293	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.296	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	2.988	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	2.994	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	2.976	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.982	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.982	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.988	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.976	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.970	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.970	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.940	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.930	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.910	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.910	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.890	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	4.950	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.940	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	4.940	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.951	9.760	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.740	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.740	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.660	PASS

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

Band4	10MHz	64QAM	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.700	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.780	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.740	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.780	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.730	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.427	14.850	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.820	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.910	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.850	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.457	14.850	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	14.790	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.670	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.942	19.480	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.942	19.520	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.942	19.520	PASS

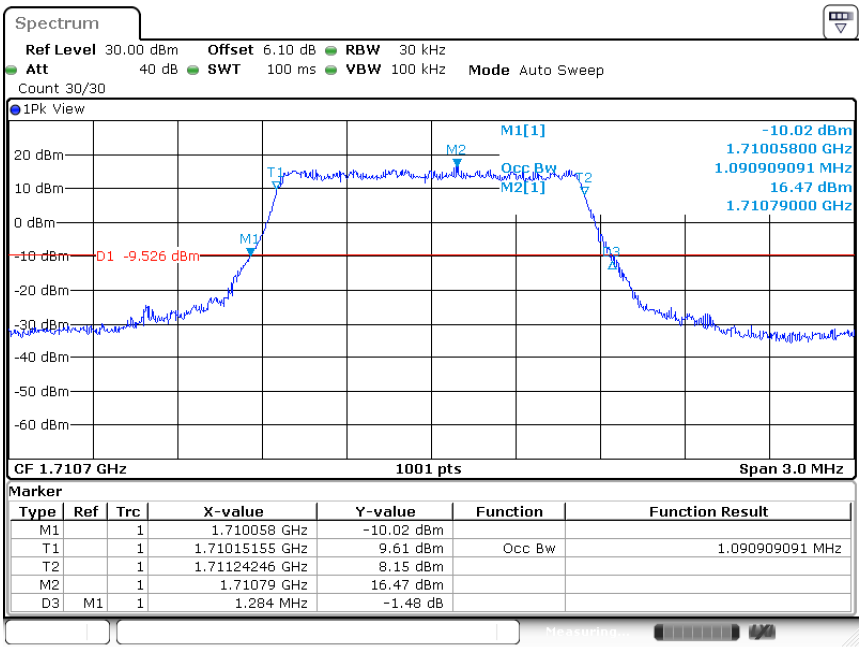
通标标准技术服务有限公司深圳分公司
检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co.,Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

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

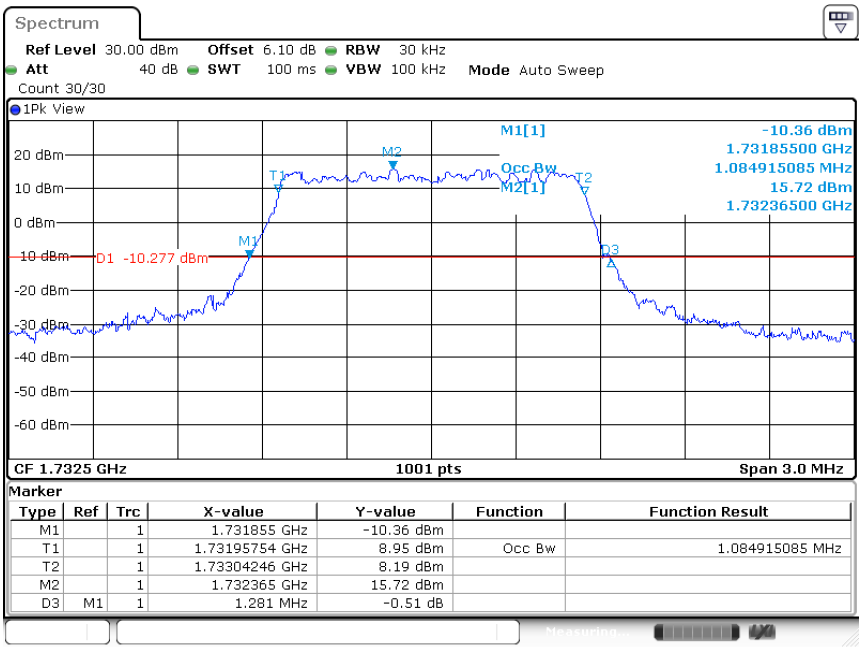
4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.091



Date: 12.AUG.2020 23:03:42

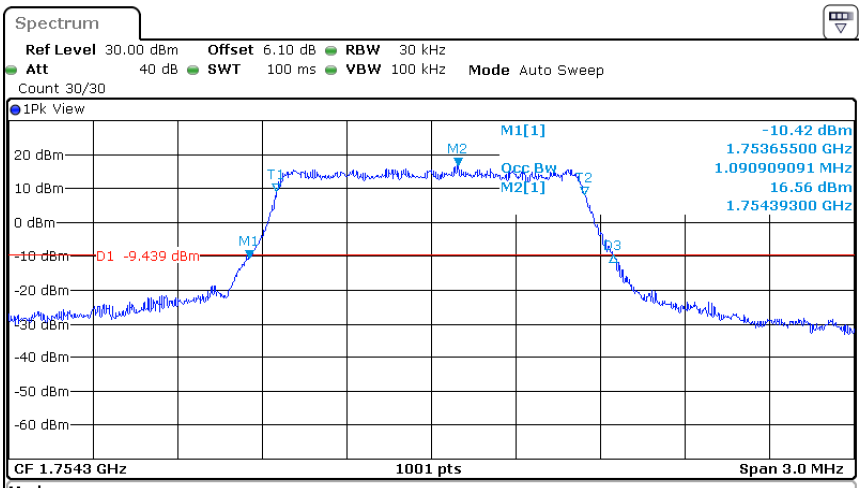
Band4-1.4MHz-QPSK-20175-6RB#0-1.085



Date: 12.AUG.2020 23:04:02

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

Band4-1.4MHz-QPSK-20393-6RB#0-1.091

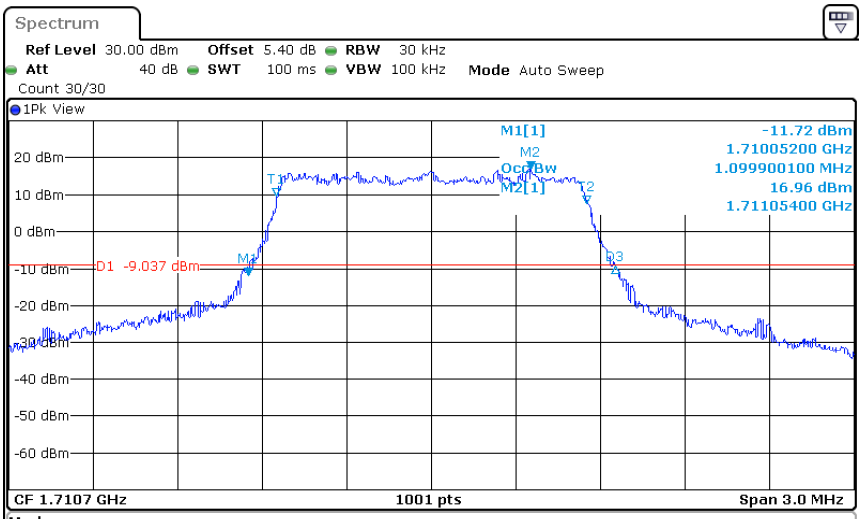


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753655 GHz	-10.42 dBm		
T1		1	1.75375155 GHz	9.15 dBm	Occ Bw	1.090909091 MHz
T2		1	1.75484246 GHz	8.10 dBm		
M2		1	1.754393 GHz	16.56 dBm		
D3	M1	1	1.29 MHz	0.82 dB		

Date: 12.AUG.2020 23:04:22

Band4-1.4MHz-64QAM-19957-6RB#0-1.1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710052 GHz	-11.72 dBm		
T1		1	1.71015155 GHz	9.79 dBm	Occ Bw	1.0999001 MHz
T2		1	1.71125145 GHz	7.59 dBm		
M2		1	1.711054 GHz	16.96 dBm		
D3	M1	1	1.302 MHz	2.35 dB		

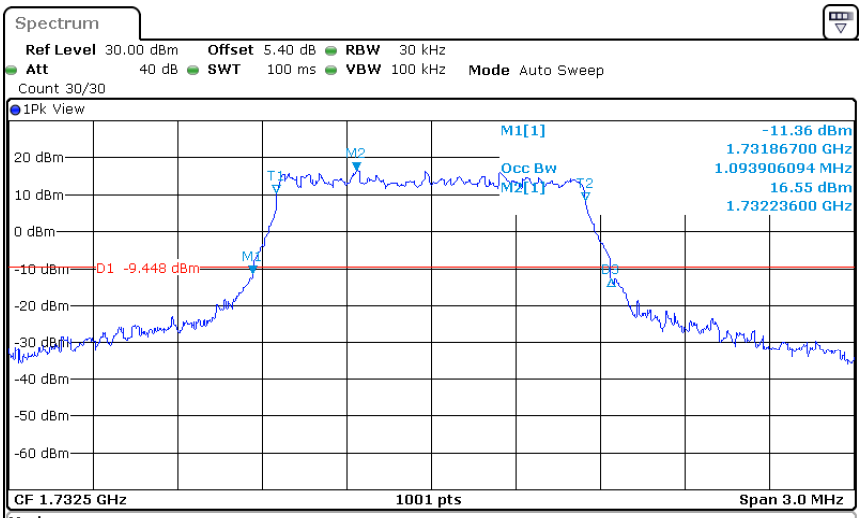
Date: 28.AUG.2020 16:18:58

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

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)

Band4-1.4MHz-64QAM-20175-6RB#0-1.094

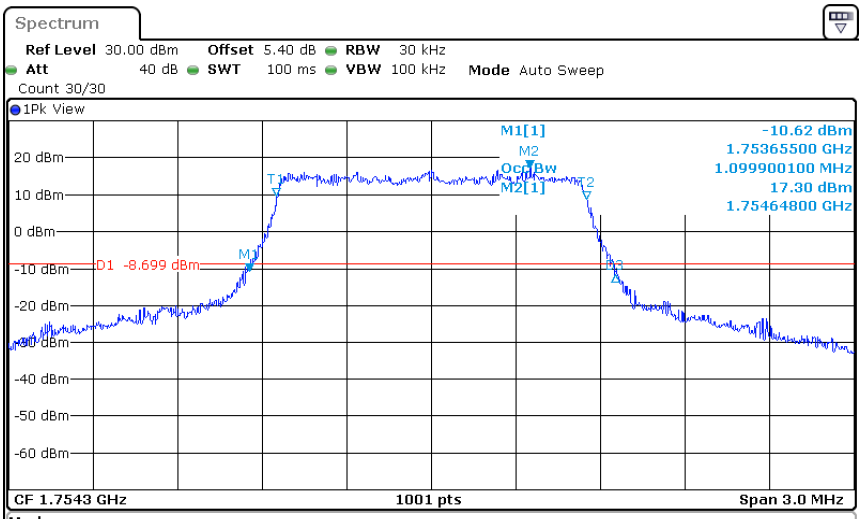


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731867 GHz	-11.36 dBm		
T1		1	1.73195155 GHz	10.44 dBm	Occ Bw	1.093906094 MHz
T2		1	1.73304545 GHz	8.55 dBm		
M2		1	1.732236 GHz	16.55 dBm		
D3	M1	1	1.272 MHz	-1.44 dB		

Date: 28.AUG.2020 16:19:10

Band4-1.4MHz-64QAM-20393-6RB#0-1.1



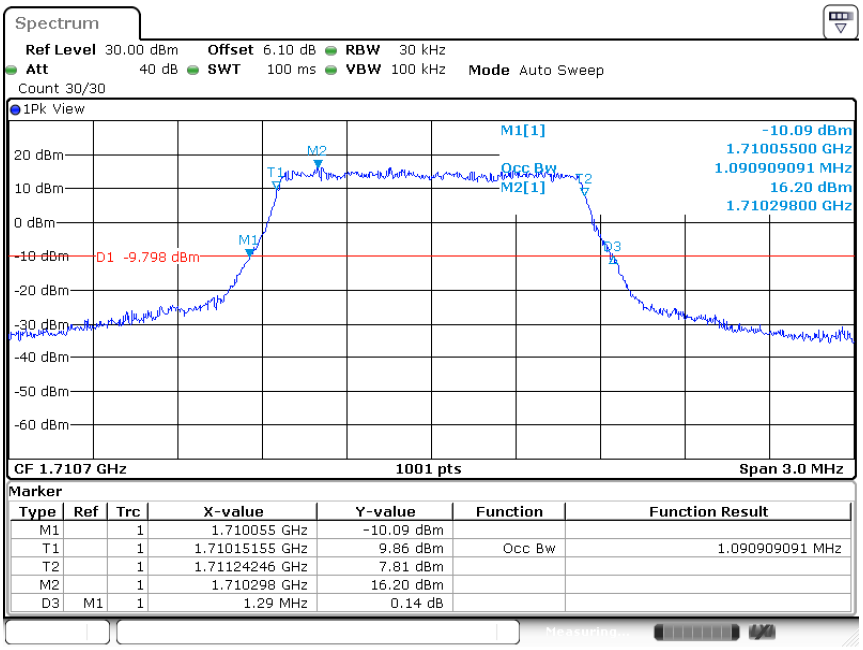
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753655 GHz	-10.62 dBm		
T1		1	1.75375155 GHz	9.76 dBm	Occ Bw	1.0999001 MHz
T2		1	1.75485145 GHz	8.83 dBm		
M2		1	1.754648 GHz	17.30 dBm		
D3	M1	1	1.296 MHz	-0.81 dB		

Date: 28.AUG.2020 16:19:23

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

Band4-1.4MHz-16QAM-19957-6RB#0-1.091

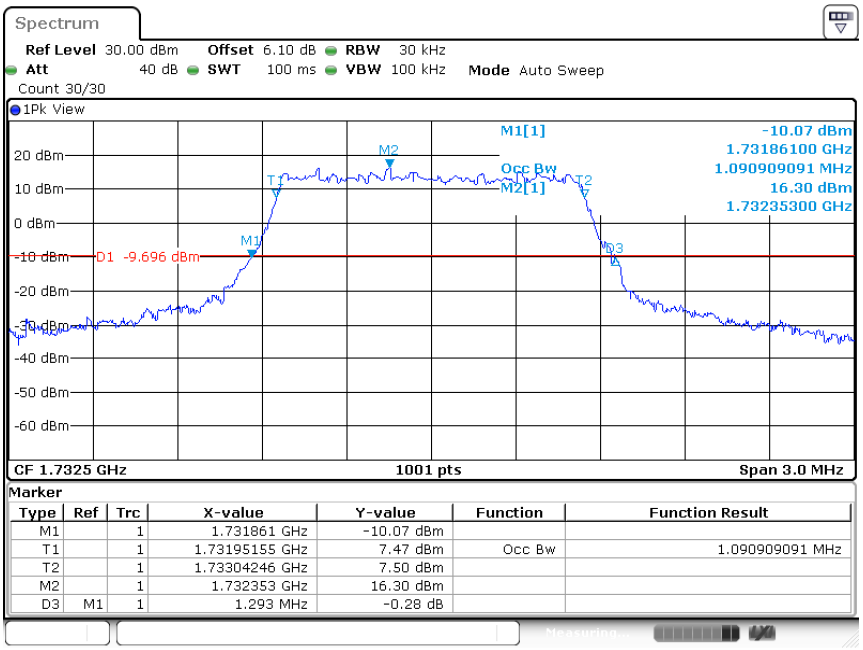


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710055 GHz	-10.09 dBm		
T1		1	1.71015155 GHz	9.86 dBm	Occ Bw	1.090909091 MHz
T2		1	1.71124246 GHz	7.81 dBm		
M2		1	1.710298 GHz	16.20 dBm		
D3	M1	1	1.29 MHz	0.14 dB		

Date: 12.AUG.2020 23:03:52

Band4-1.4MHz-16QAM-20175-6RB#0-1.091



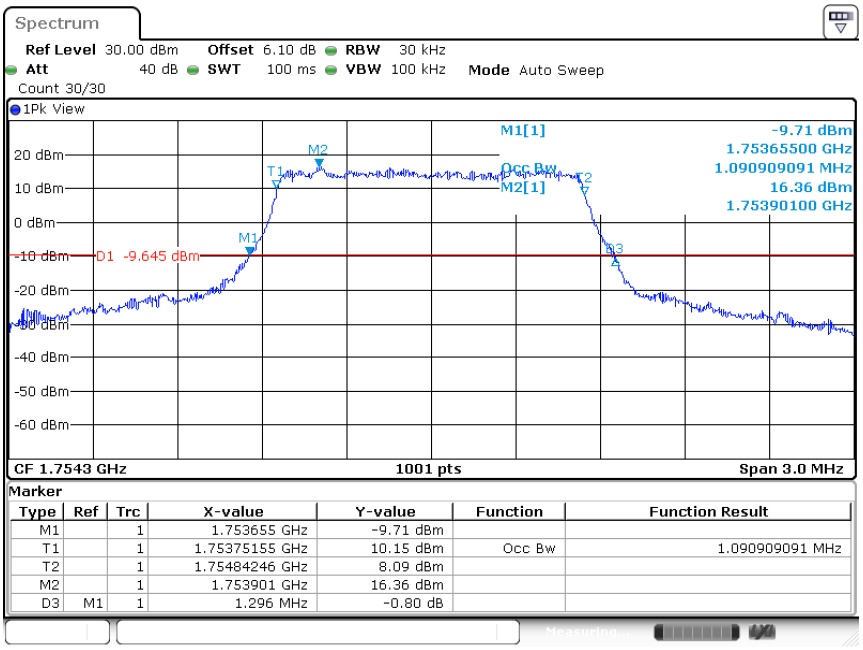
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731861 GHz	-10.07 dBm		
T1		1	1.73195155 GHz	7.47 dBm	Occ Bw	1.090909091 MHz
T2		1	1.73304246 GHz	7.50 dBm		
M2		1	1.732353 GHz	16.30 dBm		
D3	M1	1	1.293 MHz	-0.28 dB		

Date: 12.AUG.2020 23:04:12

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

Band4-1.4MHz-16QAM-20393-6RB#0-1.091

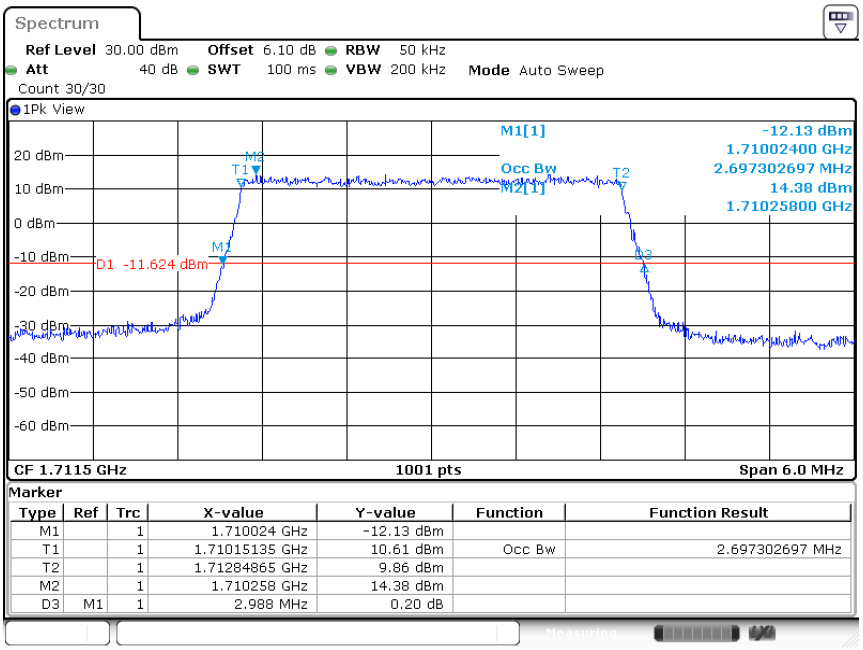


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753655 GHz	-9.71 dBm		
T1		1	1.75375155 GHz	10.15 dBm	Occ Bw	1.090909091 MHz
T2		1	1.75484246 GHz	8.09 dBm		
M2		1	1.753901 GHz	16.36 dBm		
D3	M1	1	1.296 MHz	-0.80 dB		

Date: 12.AUG.2020 23:04:31

Band4-3MHz-QPSK-19965-15RB#0-2.697



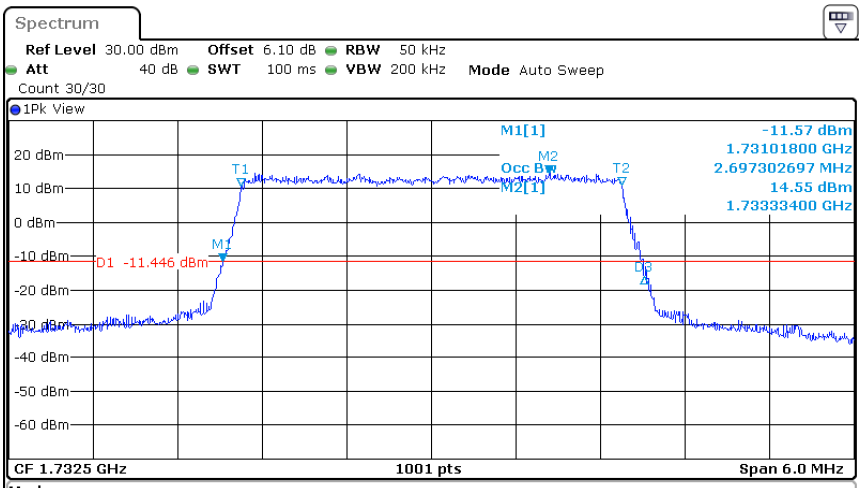
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710024 GHz	-12.13 dBm		
T1		1	1.71015135 GHz	10.61 dBm	Occ Bw	2.697302697 MHz
T2		1	1.71284865 GHz	9.86 dBm		
M2		1	1.710258 GHz	14.38 dBm		
D3	M1	1	2.988 MHz	0.20 dB		

Date: 12.AUG.2020 23:04:43

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

Band4-3MHz-QPSK-20175-15RB#0-2.697

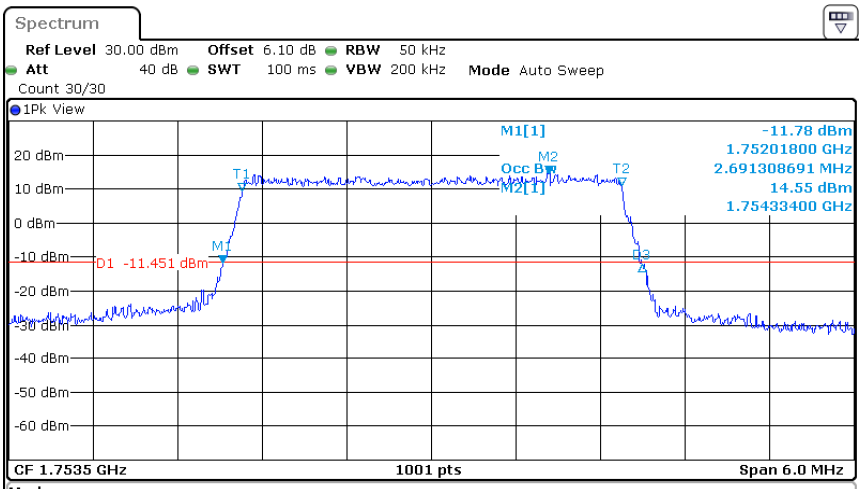


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731018 GHz	-11.57 dBm		
T1		1	1.73115135 GHz	10.55 dBm	Occ Bw	2.697302697 MHz
T2		1	1.73384865 GHz	11.01 dBm		
M2		1	1.733334 GHz	14.55 dBm		
D3	M1	1	2.994 MHz	-4.26 dB		

Date: 12.AUG.2020 23:05:03

Band4-3MHz-QPSK-20385-15RB#0-2.691



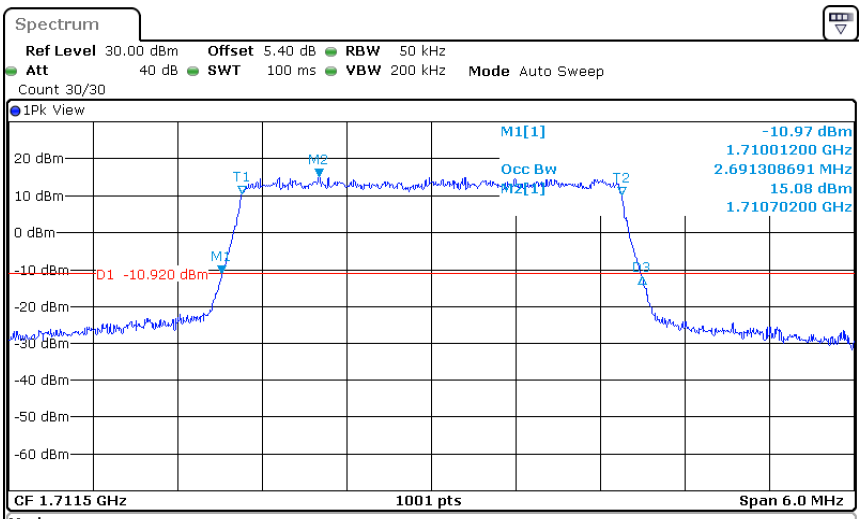
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.752018 GHz	-11.78 dBm		
T1		1	1.75215734 GHz	9.43 dBm	Occ Bw	2.691308691 MHz
T2		1	1.75484865 GHz	11.09 dBm		
M2		1	1.754334 GHz	14.55 dBm		
D3	M1	1	2.976 MHz	-0.27 dB		

Date: 12.AUG.2020 23:05:22

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

Band4-3MHz-64QAM-19965-15RB#0-2.691

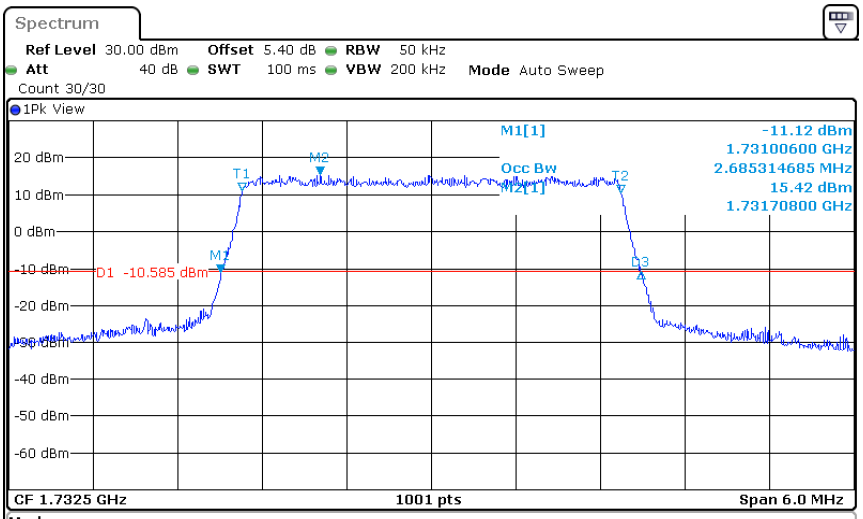


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710012 GHz	-10.97 dBm		
T1		1	1.71015734 GHz	10.51 dBm	Occ Bw	2.691308691 MHz
T2		1	1.71284865 GHz	10.10 dBm		
M2		1	1.710702 GHz	15.08 dBm		
D3	M1	1	2.982 MHz	-0.87 dB		

Date: 28.AUG.2020 16:19:43

Band4-3MHz-64QAM-20175-15RB#0-2.685



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731006 GHz	-11.12 dBm		
T1		1	1.73115734 GHz	11.18 dBm	Occ Bw	2.685314685 MHz
T2		1	1.73384266 GHz	10.63 dBm		
M2		1	1.731708 GHz	15.42 dBm		
D3	M1	1	2.982 MHz	0.36 dB		

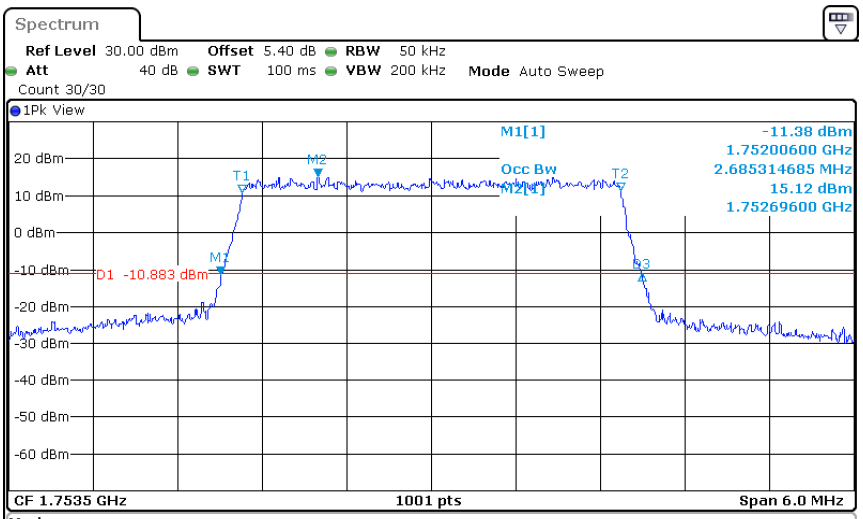
Date: 28.AUG.2020 16:19:56

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

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

Member of the SGS Group (SGS SA)

Band4-3MHz-64QAM-20385-15RB#0-2.685

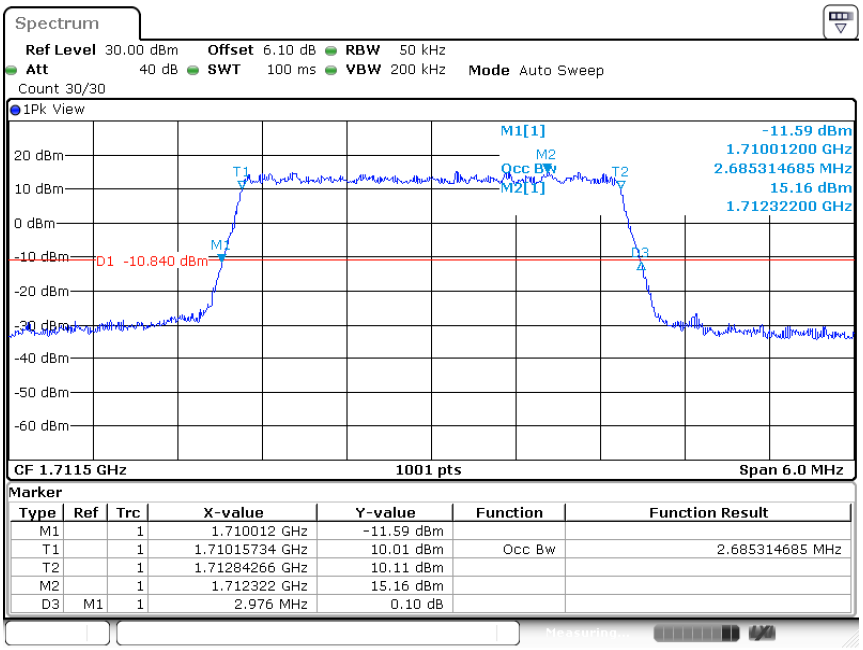


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.752006 GHz	-11.38 dBm		
T1		1	1.75215734 GHz	10.70 dBm	Occ Bw	2.685314685 MHz
T2		1	1.75484266 GHz	11.33 dBm		
M2		1	1.752696 GHz	15.12 dBm		
D3	M1	1	2.988 MHz	0.26 dB		

Date: 28.AUG.2020 16:20:09

Band4-3MHz-16QAM-19965-15RB#0-2.685



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710012 GHz	-11.59 dBm		
T1		1	1.71015734 GHz	10.01 dBm	Occ Bw	2.685314685 MHz
T2		1	1.71284266 GHz	10.11 dBm		
M2		1	1.712322 GHz	15.16 dBm		
D3	M1	1	2.976 MHz	0.10 dB		

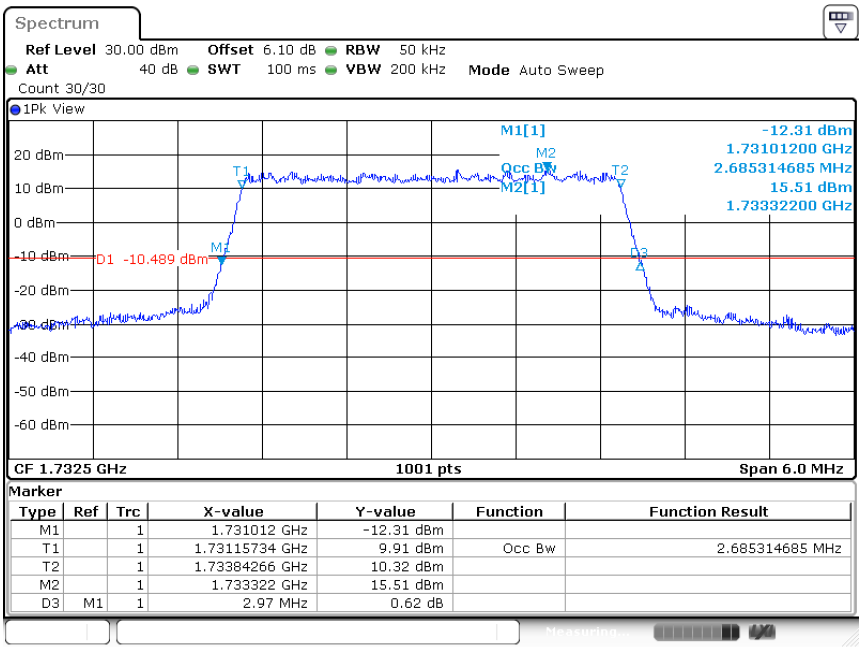
Date: 12.AUG.2020 23:04:53

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

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

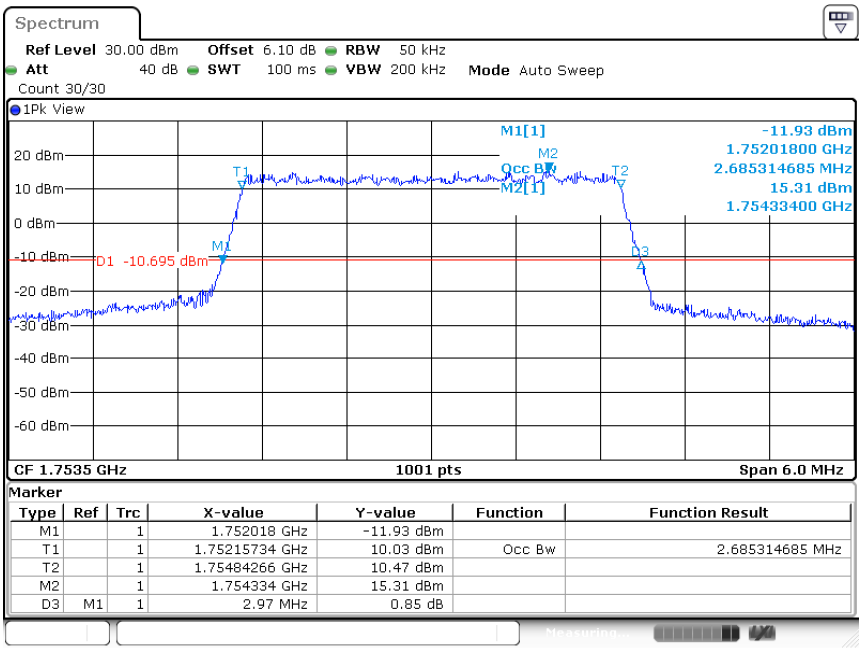
Member of the SGS Group (SGS SA)

Band4-3MHz-16QAM-20175-15RB#0-2.685



Date: 12.AUG.2020 23:05:12

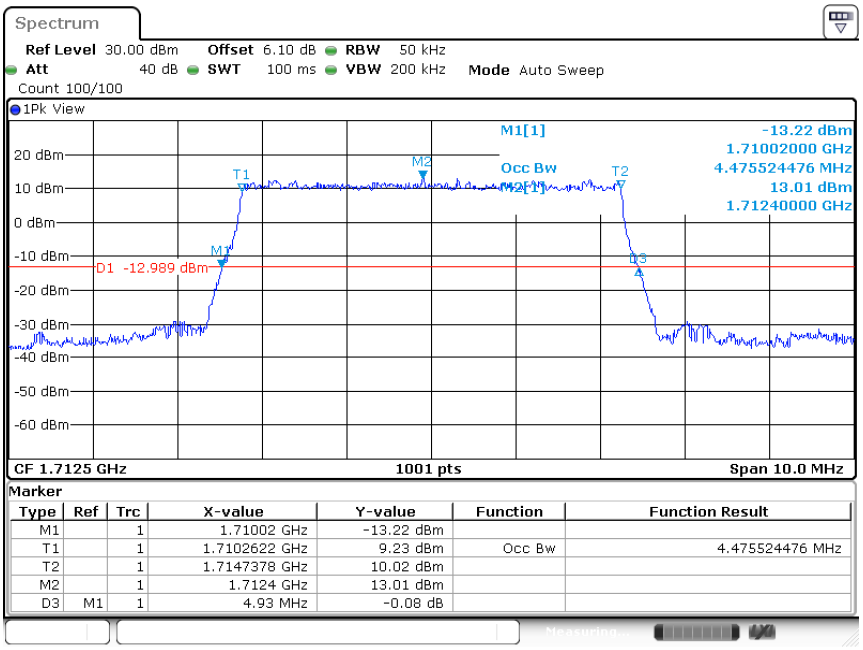
Band4-3MHz-16QAM-20385-15RB#0-2.685



Date: 12.AUG.2020 23:05:32

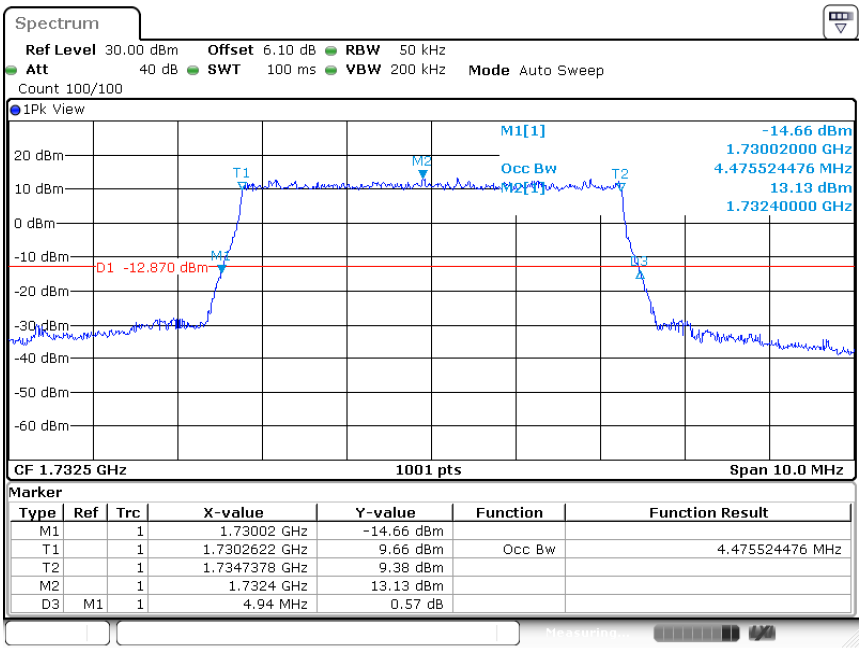
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 12.AUG.2020 23:05:51

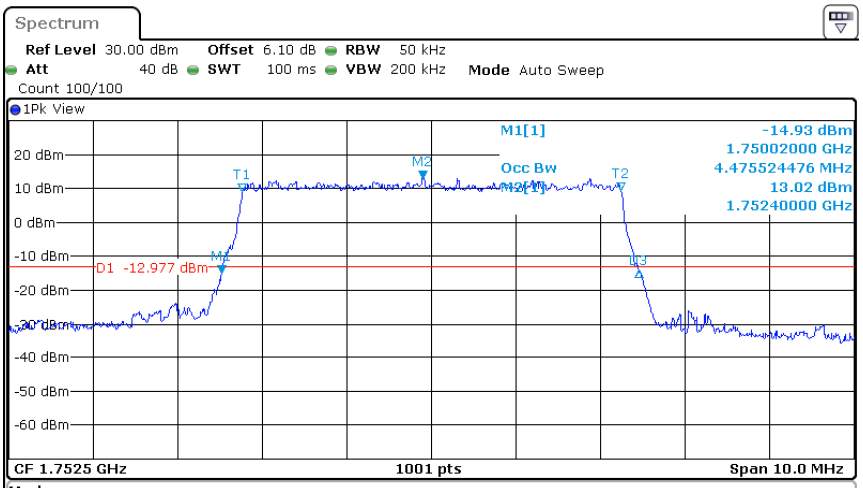
Band4-5MHz-QPSK-20175-25RB#0-4.476



Date: 12.AUG.2020 23:06:25

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)

Band4-5MHz-QPSK-20375-25RB#0-4.476

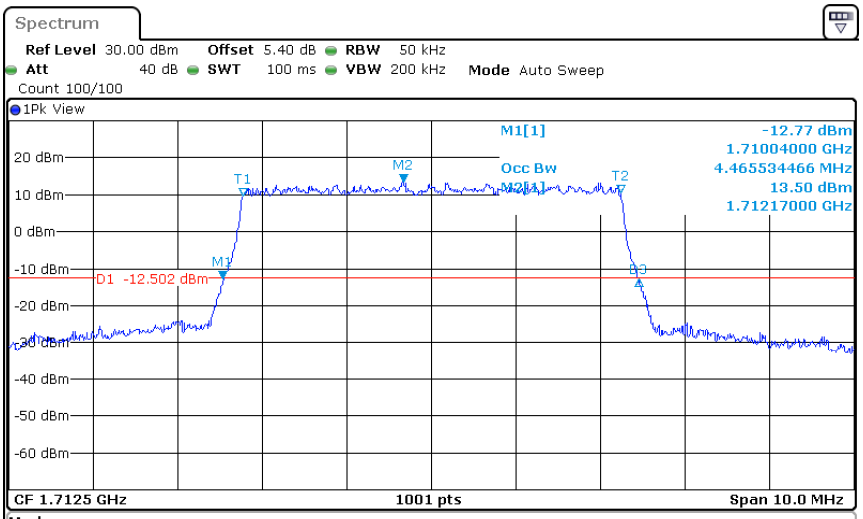


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75002 GHz	-14.93 dBm		
T1		1	1.7502622 GHz	9.27 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7547378 GHz	9.57 dBm		
M2		1	1.7524 GHz	13.02 dBm		
D3	M1	1	4.93 MHz	0.81 dB		

Date: 12.AUG.2020 23:06:58

Band4-5MHz-64QAM-19975-25RB#0-4.466



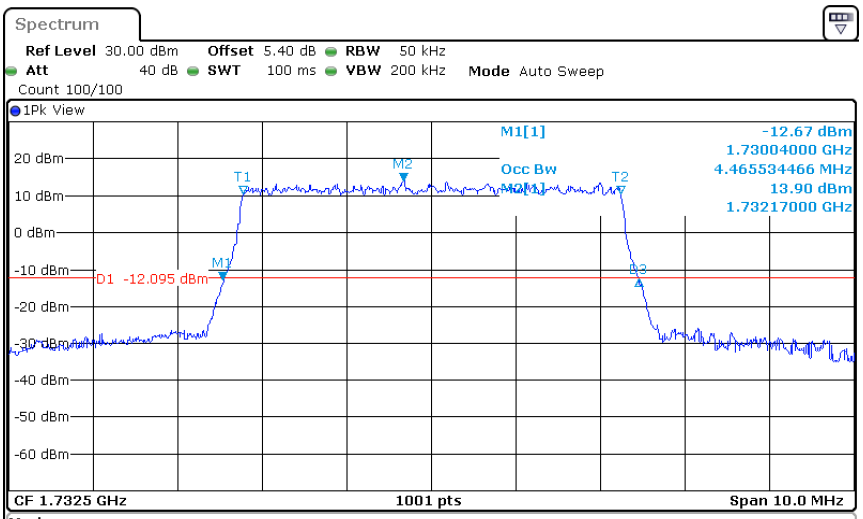
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71004 GHz	-12.77 dBm		
T1		1	1.7102722 GHz	9.65 dBm	Occ Bw	4.465534466 MHz
T2		1	1.7147378 GHz	10.40 dBm		
M2		1	1.71217 GHz	13.50 dBm		
D3	M1	1	4.91 MHz	0.08 dB		

Date: 28.AUG.2020 16:20:36

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

Band4-5MHz-64QAM-20175-25RB#0-4.466

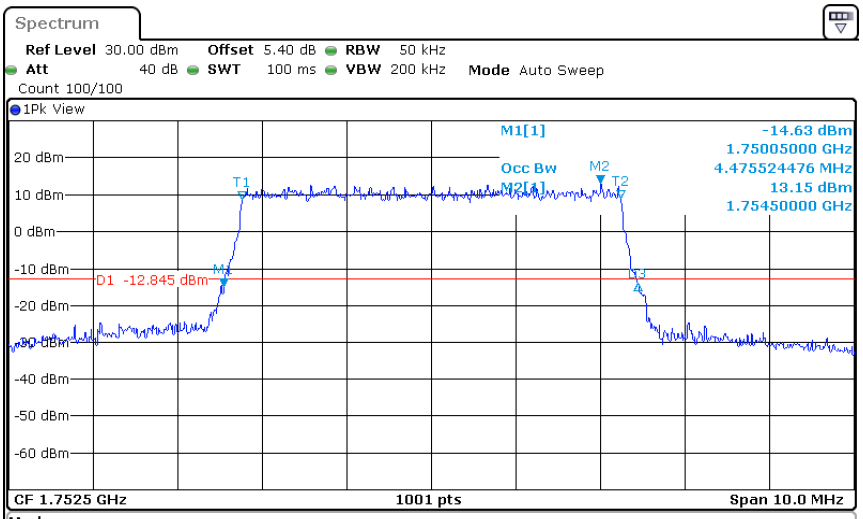


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73004 GHz	-12.67 dBm		
T1		1	1.7302722 GHz	10.43 dBm	Occ Bw	4.465534466 MHz
T2		1	1.7347378 GHz	10.59 dBm		
M2		1	1.73217 GHz	13.90 dBm		
D3	M1	1	4.91 MHz	0.20 dB		

Date: 28.AUG.2020 16:20:56

Band4-5MHz-64QAM-20375-25RB#0-4.476



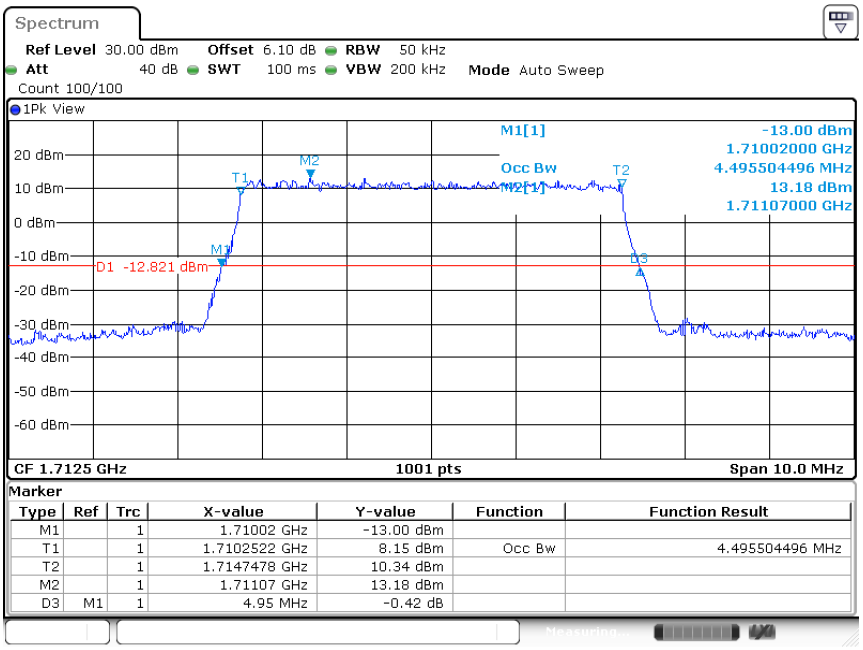
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75005 GHz	-14.63 dBm		
T1		1	1.7502622 GHz	8.75 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7547378 GHz	8.99 dBm		
M2		1	1.7545 GHz	13.15 dBm		
D3	M1	1	4.89 MHz	0.67 dB		

Date: 28.AUG.2020 16:21:16

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

Band4-5MHz-16QAM-19975-25RB#0-4.496

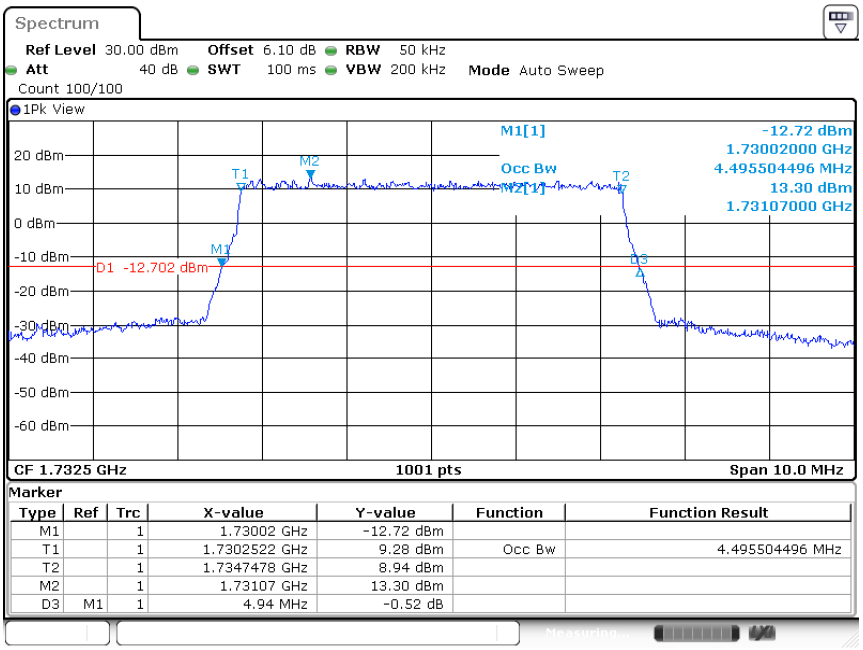


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71002 GHz	-13.00 dBm		
T1		1	1.7102522 GHz	8.15 dBm	Occ Bw	4.495504496 MHz
T2		1	1.7147478 GHz	10.34 dBm		
M2		1	1.71107 GHz	13.18 dBm		
D3	M1	1	4.95 MHz	-0.42 dB		

Date: 12.AUG.2020 23:06:07

Band4-5MHz-16QAM-20175-25RB#0-4.496



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73002 GHz	-12.72 dBm		
T1		1	1.7302522 GHz	9.28 dBm	Occ Bw	4.495504496 MHz
T2		1	1.7347478 GHz	8.94 dBm		
M2		1	1.73107 GHz	13.30 dBm		
D3	M1	1	4.94 MHz	-0.52 dB		

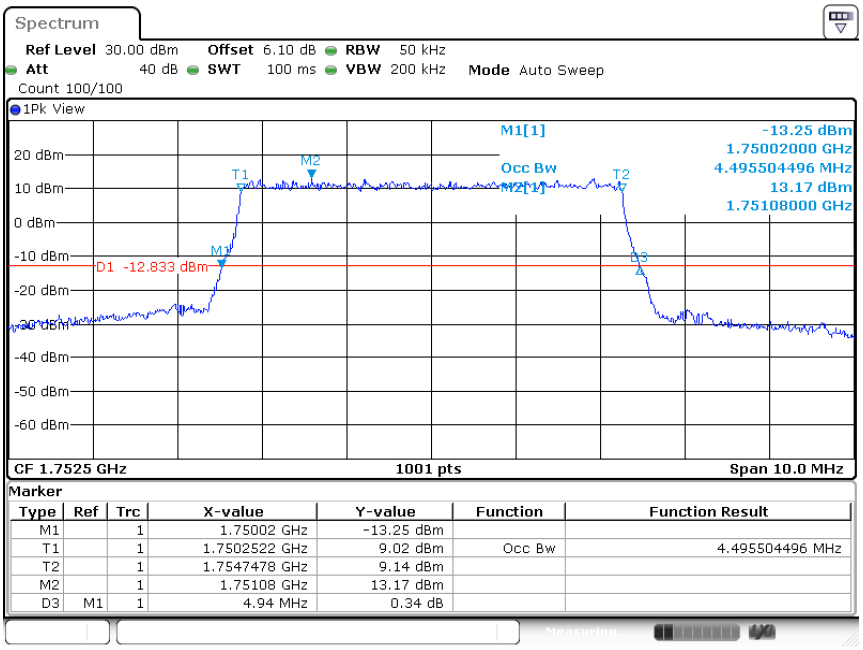
Date: 12.AUG.2020 23:06:41

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

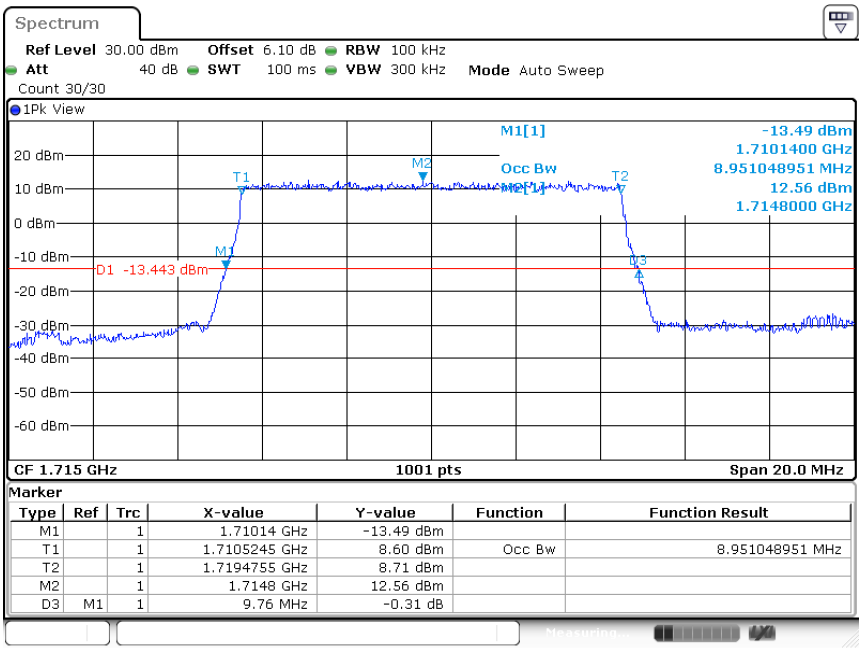
Member of the SGS Group (SGS SA)

Band4-5MHz-16QAM-20375-25RB#0-4.496



Date: 12.AUG.2020 23:07:15

Band4-10MHz-QPSK-20000-50RB#0-8.951



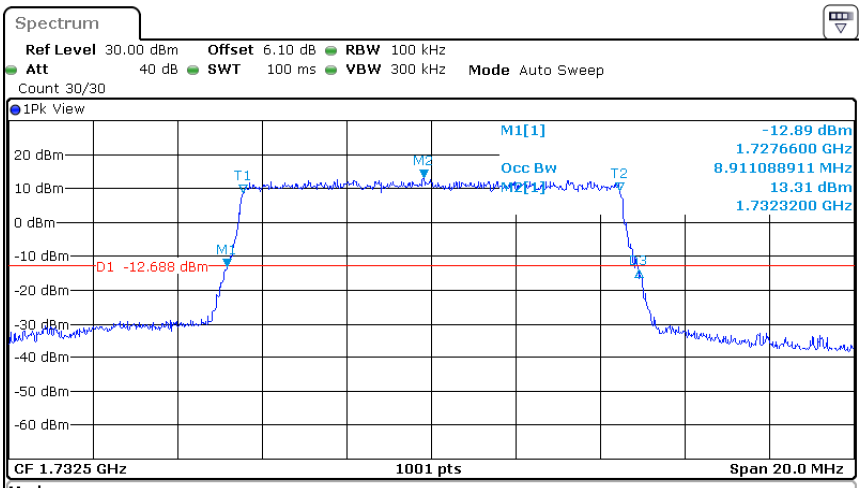
Date: 12.AUG.2020 23:07:26

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

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

Member of the SGS Group (SGS SA)

Band4-10MHz-QPSK-20175-50RB#0-8.911

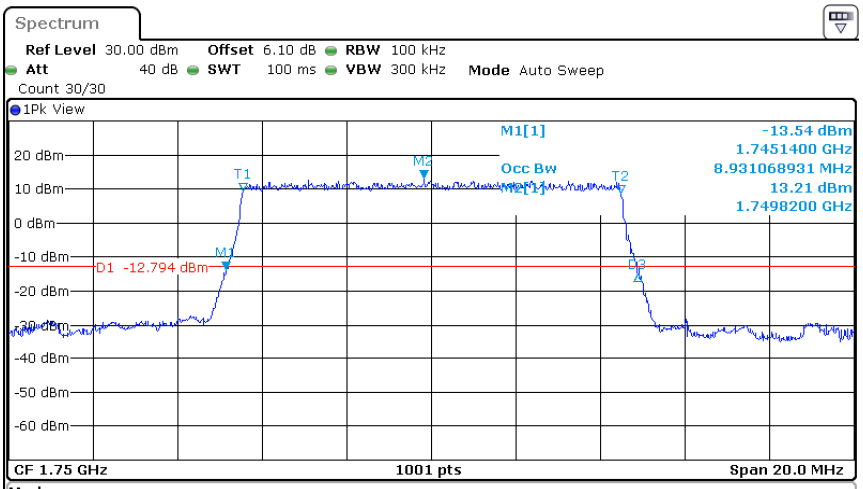


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72766 GHz	-12.89 dBm		
T1		1	1.7280445 GHz	8.70 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7369555 GHz	9.50 dBm		
M2		1	1.73232 GHz	13.31 dBm		
D3	M1	1	9.74 MHz	-0.95 dB		

Date: 12.AUG.2020 23:07:46

Band4-10MHz-QPSK-20350-50RB#0-8.931



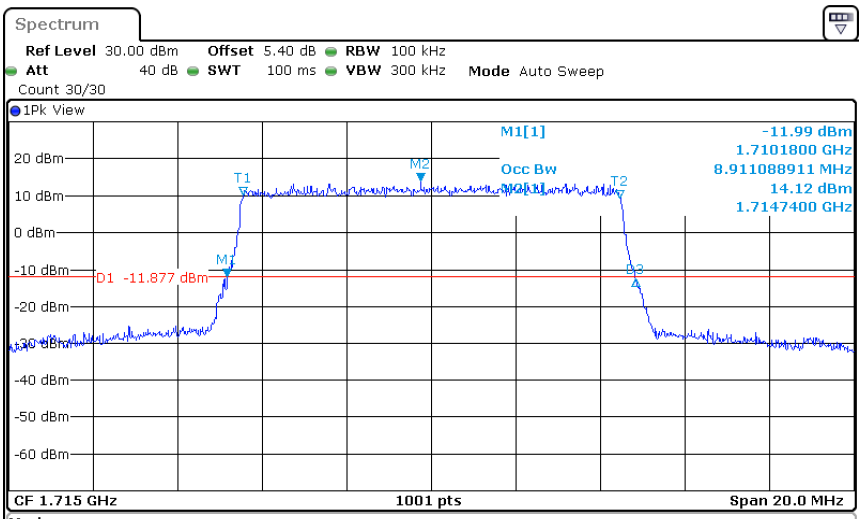
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74514 GHz	-13.54 dBm		
T1		1	1.7455445 GHz	9.55 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7544755 GHz	8.86 dBm		
M2		1	1.74982 GHz	13.21 dBm		
D3	M1	1	9.74 MHz	-1.45 dB		

Date: 12.AUG.2020 23:08:07

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
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)

Band4-10MHz-64QAM-20000-50RB#0-8.911

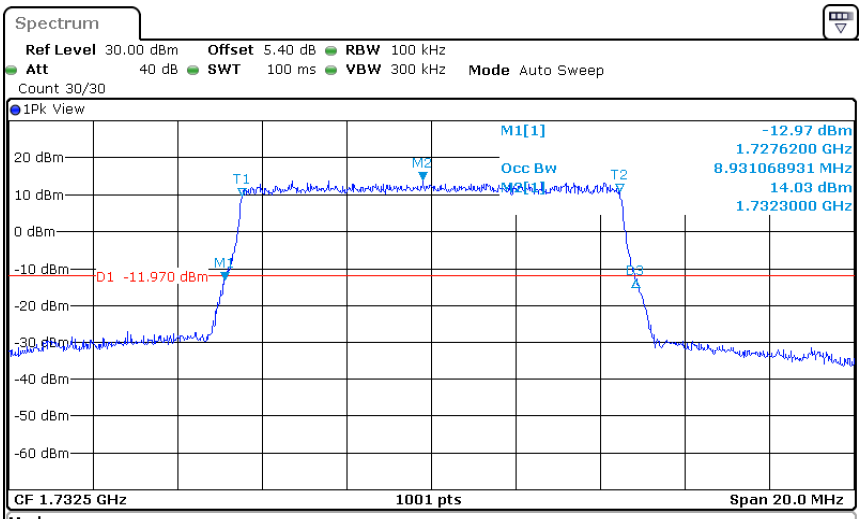


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71018 GHz	-11.99 dBm		
T1		1	1.7105445 GHz	10.16 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7194555 GHz	9.35 dBm		
M2		1	1.71474 GHz	14.12 dBm		
D3	M1	1	9.66 MHz	-0.41 dB		

Date: 28.AUG.2020 16:21:36

Band4-10MHz-64QAM-20175-50RB#0-8.931



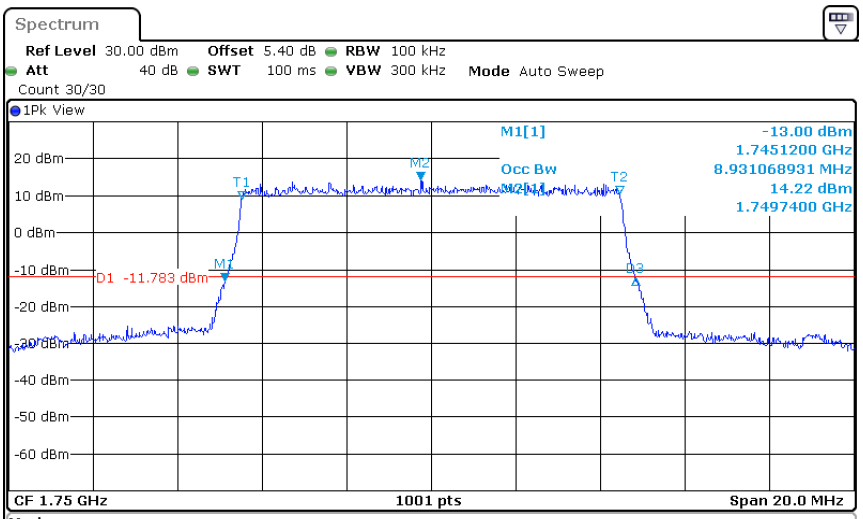
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72762 GHz	-12.97 dBm		
T1		1	1.7280245 GHz	9.65 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7369555 GHz	10.86 dBm		
M2		1	1.7323 GHz	14.03 dBm		
D3	M1	1	9.72 MHz	-0.04 dB		

Date: 28.AUG.2020 16:21:49

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)

Band4-10MHz-64QAM-20350-50RB#0-8.931

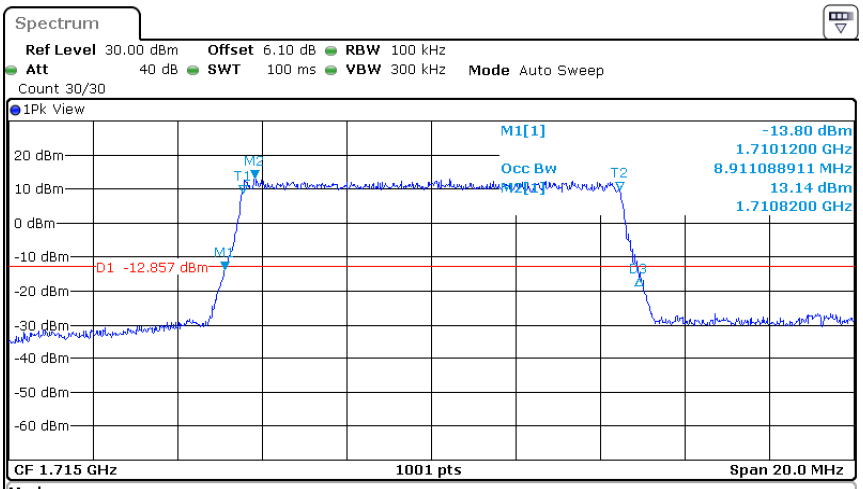


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74512 GHz	-13.00 dBm		
T1		1	1.7455245 GHz	9.05 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7544555 GHz	10.47 dBm		
M2		1	1.74974 GHz	14.22 dBm		
D3	M1	1	9.7 MHz	0.88 dB		

Date: 28.AUG.2020 16:22:02

Band4-10MHz-16QAM-20000-50RB#0-8.911



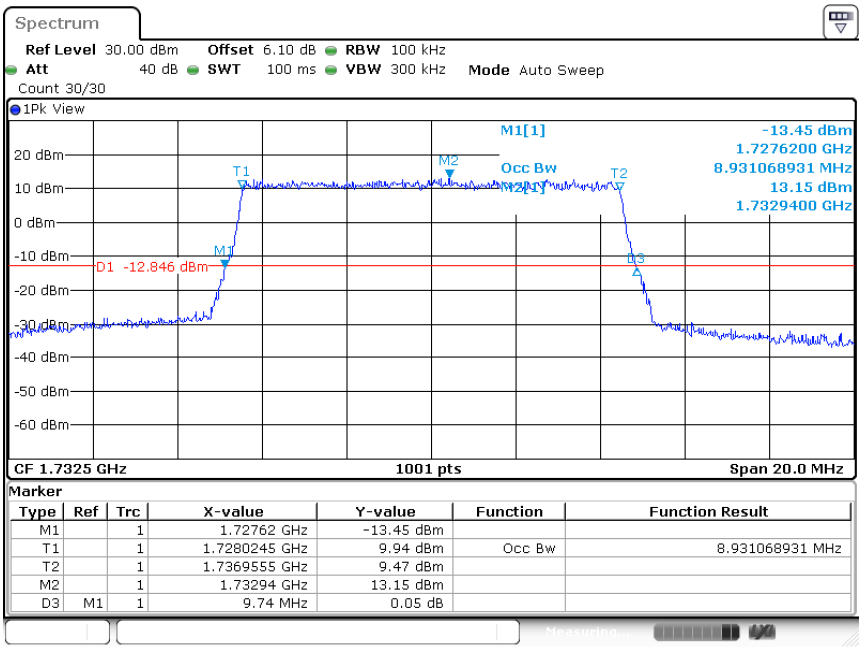
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71012 GHz	-13.80 dBm		
T1		1	1.7105445 GHz	8.86 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7194555 GHz	9.61 dBm		
M2		1	1.71082 GHz	13.14 dBm		
D3	M1	1	9.78 MHz	-2.31 dB		

Date: 12.AUG.2020 23:07:36

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

Band4-10MHz-16QAM-20175-50RB#0-8.931

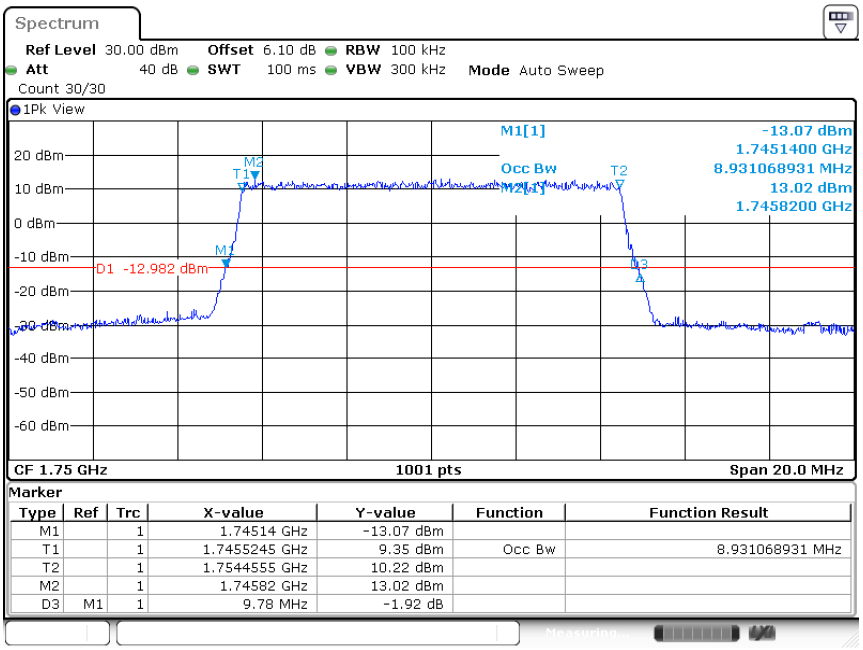


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72762 GHz	-13.45 dBm		
T1		1	1.7280245 GHz	9.94 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7369555 GHz	9.47 dBm		
M2		1	1.73294 GHz	13.15 dBm		
D3	M1	1	9.74 MHz	0.05 dB		

Date: 12.AUG.2020 23:07:55

Band4-10MHz-16QAM-20350-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74514 GHz	-13.07 dBm		
T1		1	1.7455245 GHz	9.35 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7544555 GHz	10.22 dBm		
M2		1	1.74582 GHz	13.02 dBm		
D3	M1	1	9.78 MHz	-1.92 dB		

Date: 12.AUG.2020 23:08:16

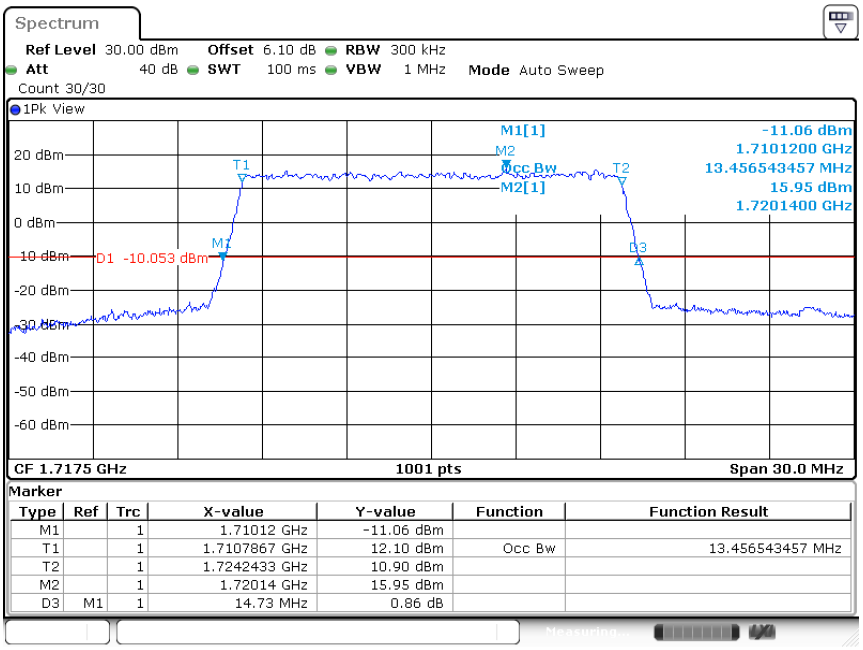
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

Member of the SGS Group (SGS SA)

Band4-15MHz-QPSK-20025-75RB#0-13.457

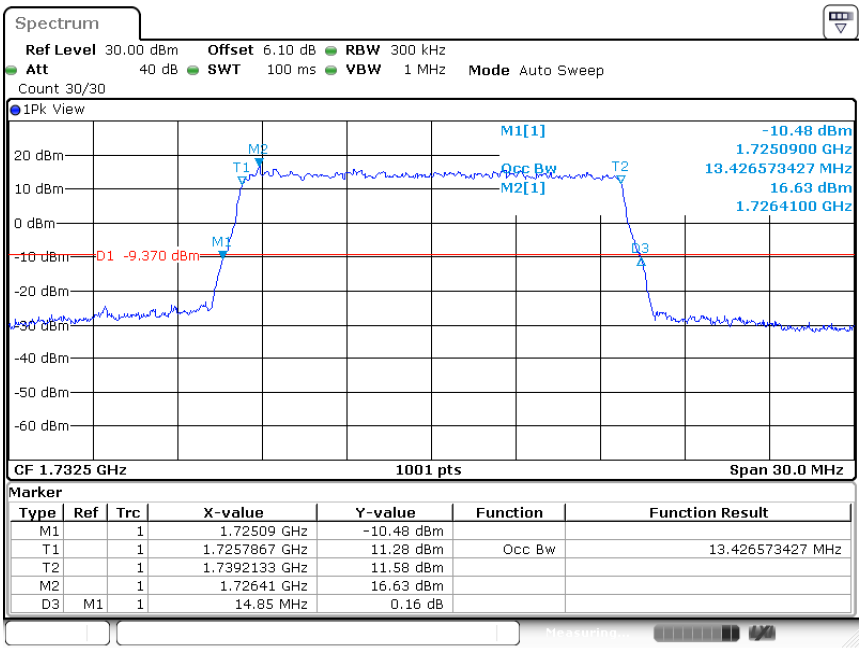


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71012 GHz	-11.06 dBm		
T1		1	1.7107867 GHz	12.10 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7242433 GHz	10.90 dBm		
M2		1	1.72014 GHz	15.95 dBm		
D3	M1	1	14.73 MHz	0.86 dB		

Date: 12.AUG.2020 23:08:28

Band4-15MHz-QPSK-20175-75RB#0-13.427



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72509 GHz	-10.48 dBm		
T1		1	1.7257867 GHz	11.28 dBm	Occ Bw	13.426573427 MHz
T2		1	1.7392133 GHz	11.58 dBm		
M2		1	1.72641 GHz	16.63 dBm		
D3	M1	1	14.85 MHz	0.16 dB		

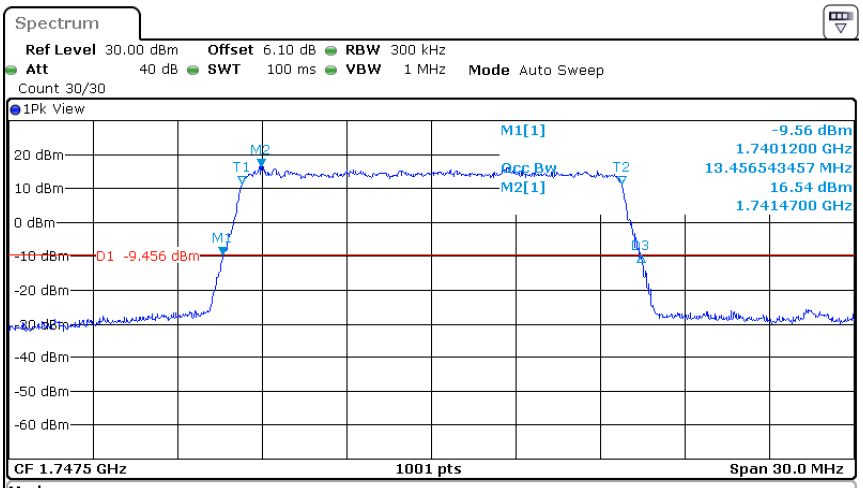
Date: 12.AUG.2020 23:08:48

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)

Band4-15MHz-QPSK-20325-75RB#0-13.457

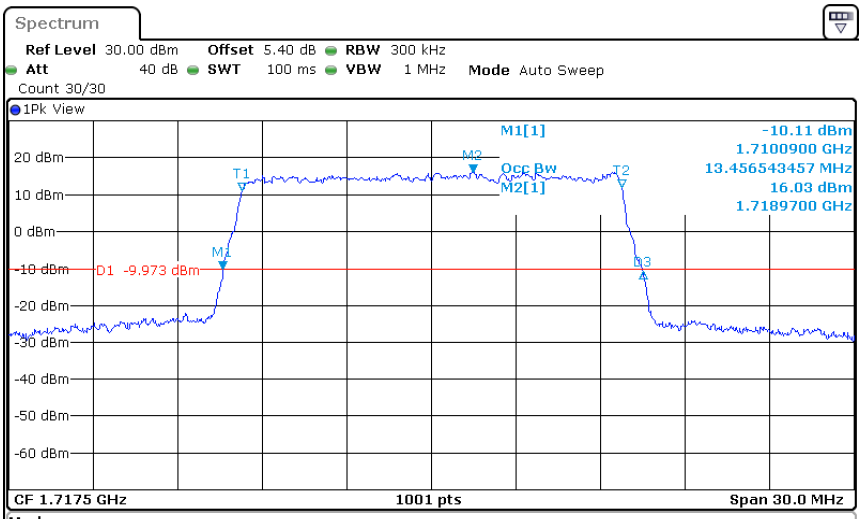


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74012 GHz	-9.56 dBm		
T1		1	1.7407867 GHz	11.40 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542433 GHz	11.38 dBm		
M2		1	1.74147 GHz	16.54 dBm		
D3	M1	1	14.82 MHz	-0.06 dB		

Date: 12.AUG.2020 23:09:07

Band4-15MHz-64QAM-20025-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71009 GHz	-10.11 dBm		
T1		1	1.7107867 GHz	11.11 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7242433 GHz	12.03 dBm		
M2		1	1.71897 GHz	16.03 dBm		
D3	M1	1	14.91 MHz	-0.53 dB		

Date: 28.AUG.2020 16:22:21

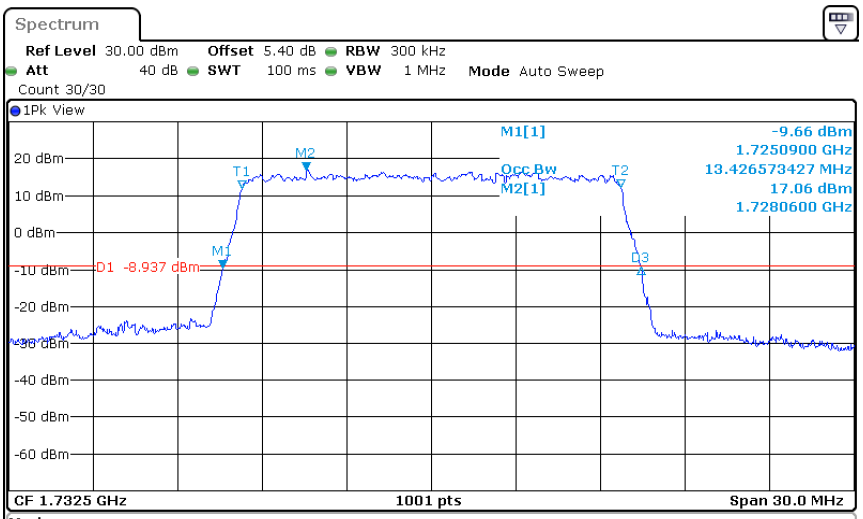
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-15MHz-64QAM-20175-75RB#0-13.427

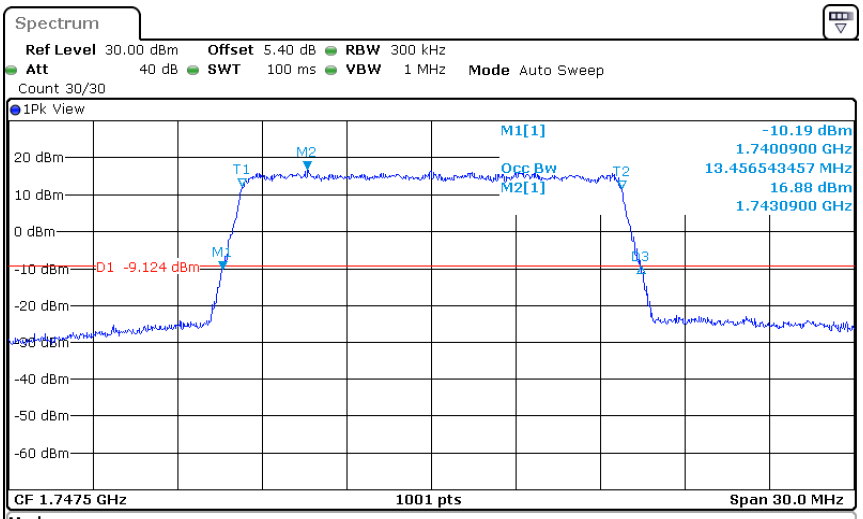


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72509 GHz	-9.66 dBm		
T1		1	1.7257867 GHz	11.97 dBm	Occ Bw	13.426573427 MHz
T2		1	1.7392133 GHz	12.13 dBm		
M2		1	1.72806 GHz	17.06 dBm		
D3	M1	1	14.85 MHz	0.35 dB		

Date: 28.AUG.2020 16:22:34

Band4-15MHz-64QAM-20325-75RB#0-13.457



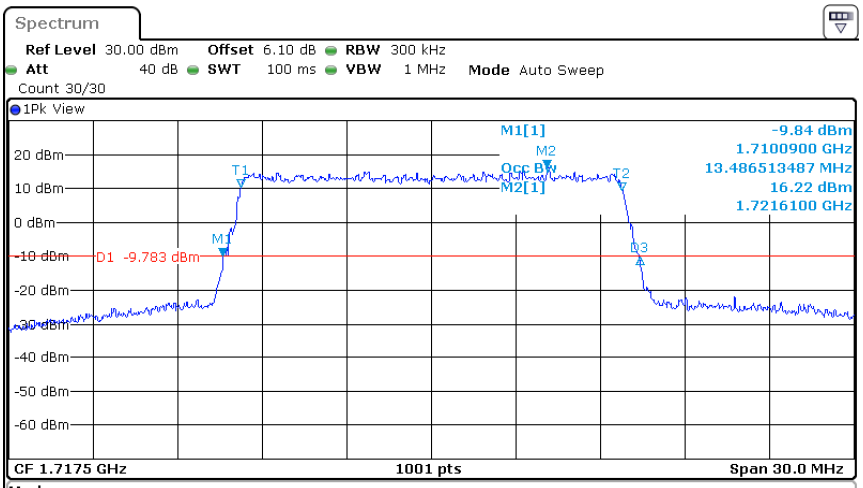
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74009 GHz	-10.19 dBm		
T1		1	1.7407867 GHz	12.22 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542433 GHz	11.68 dBm		
M2		1	1.74309 GHz	16.88 dBm		
D3	M1	1	14.85 MHz	0.96 dB		

Date: 28.AUG.2020 16:22:47

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
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)

Band4-15MHz-16QAM-20025-75RB#0-13.487

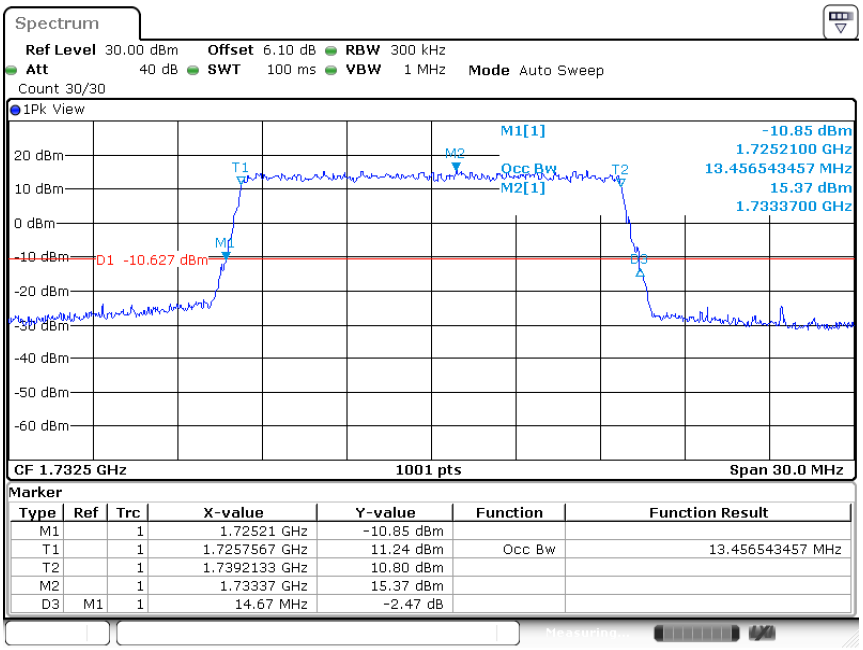


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71009 GHz	-9.84 dBm		
T1		1	1.7107567 GHz	10.36 dBm	Occ Bw	13.486513487 MHz
T2		1	1.7242433 GHz	9.52 dBm		
M2		1	1.72161 GHz	16.22 dBm		
D3	M1	1	14.79 MHz	-0.36 dB		

Date: 12.AUG.2020 23:08:38

Band4-15MHz-16QAM-20175-75RB#0-13.457



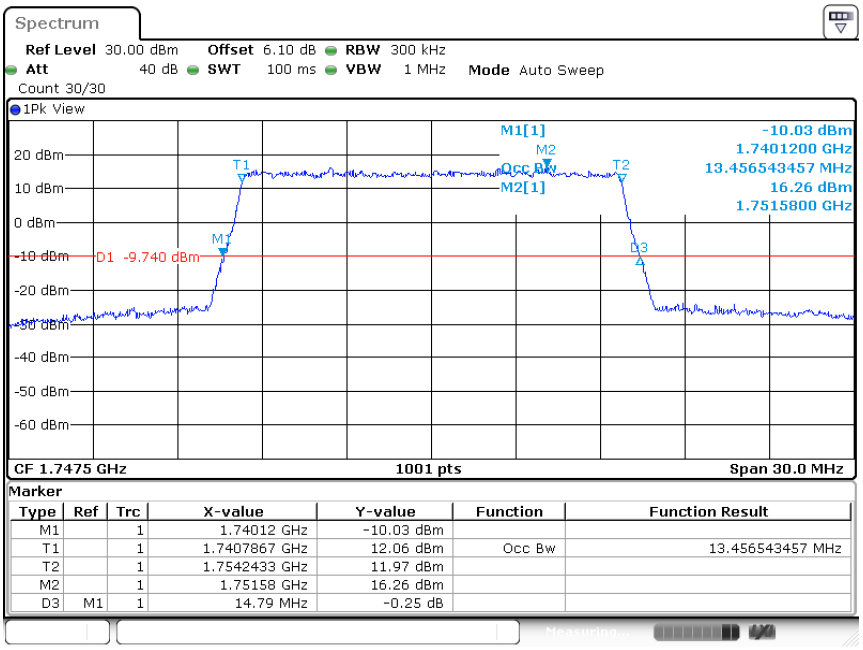
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72521 GHz	-10.85 dBm		
T1		1	1.7257567 GHz	11.24 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	10.80 dBm		
M2		1	1.73337 GHz	15.37 dBm		
D3	M1	1	14.67 MHz	-2.47 dB		

Date: 12.AUG.2020 23:08:57

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

Band4-15MHz-16QAM-20325-75RB#0-13.457

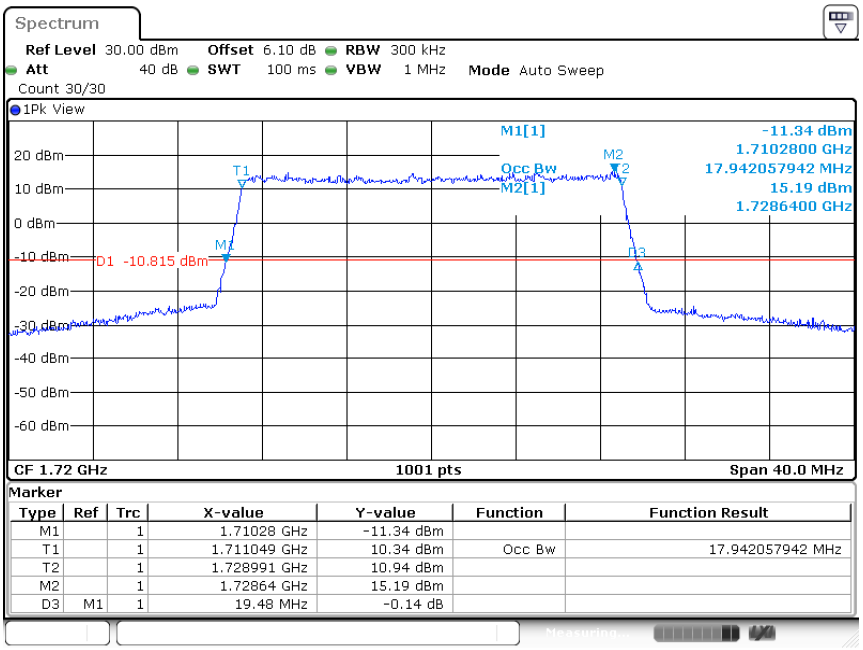


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74012 GHz	-10.03 dBm		
T1		1	1.7407867 GHz	12.06 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542433 GHz	11.97 dBm		
M2		1	1.75158 GHz	16.26 dBm		
D3	M1	1	14.79 MHz	-0.25 dB		

Date: 12.AUG.2020 23:09:17

Band4-20MHz-QPSK-20050-100RB#0-17.942



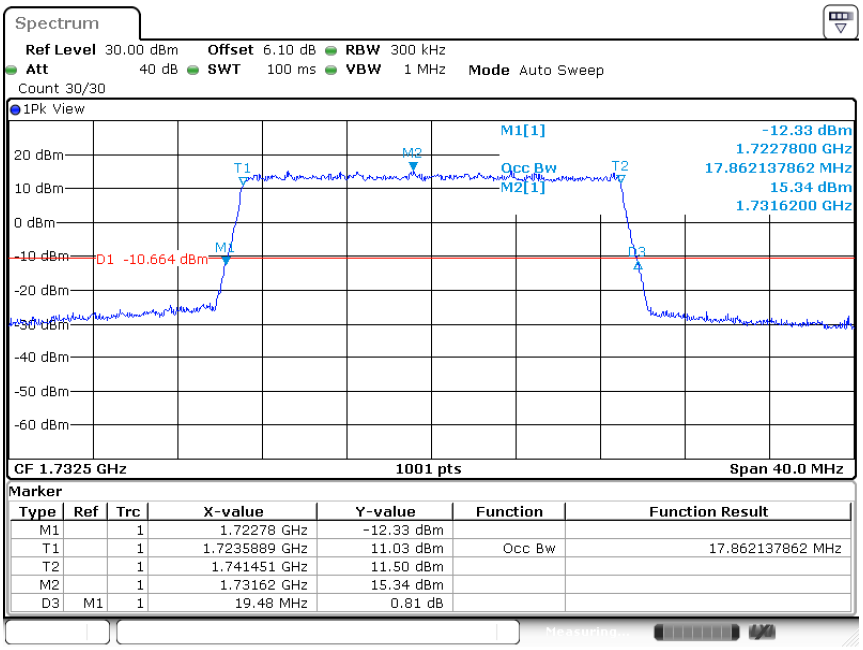
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71028 GHz	-11.34 dBm		
T1		1	1.711049 GHz	10.34 dBm	Occ Bw	17.942057942 MHz
T2		1	1.728991 GHz	10.94 dBm		
M2		1	1.72864 GHz	15.19 dBm		
D3	M1	1	19.48 MHz	-0.14 dB		

Date: 12.AUG.2020 23:09:28

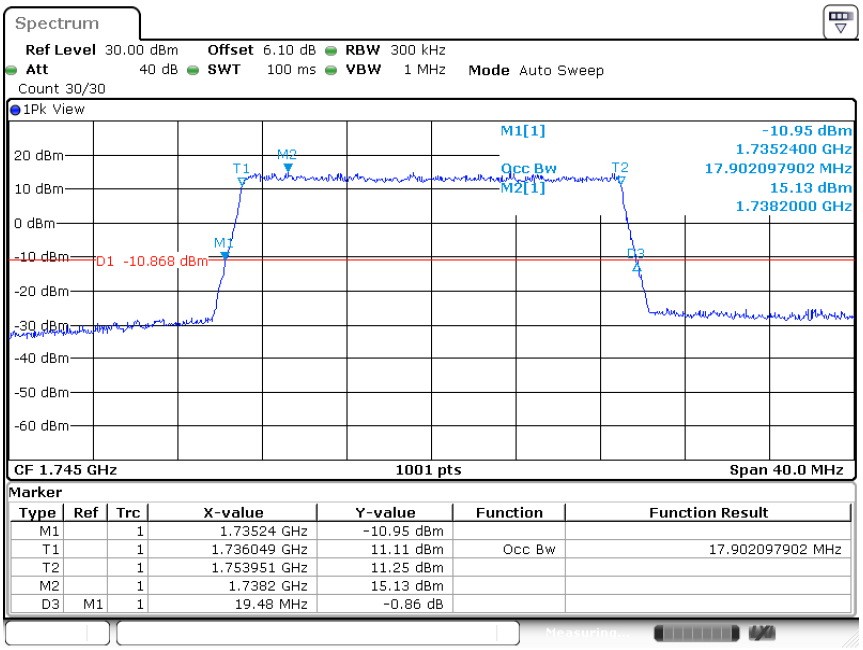
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20175-100RB#0-17.862



Date: 12.AUG.2020 23:09:48

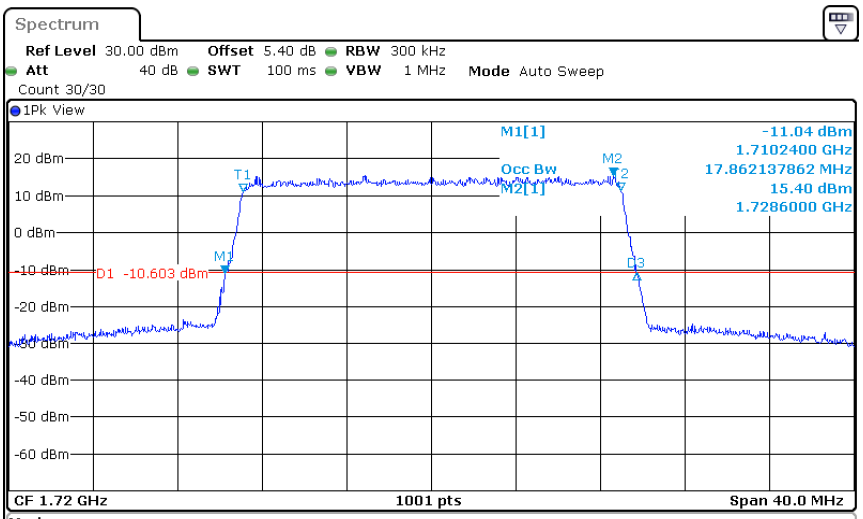
Band4-20MHz-QPSK-20300-100RB#0-17.902



Date: 12.AUG.2020 23:10:08

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

Band4-20MHz-64QAM-20050-100RB#0-17.862

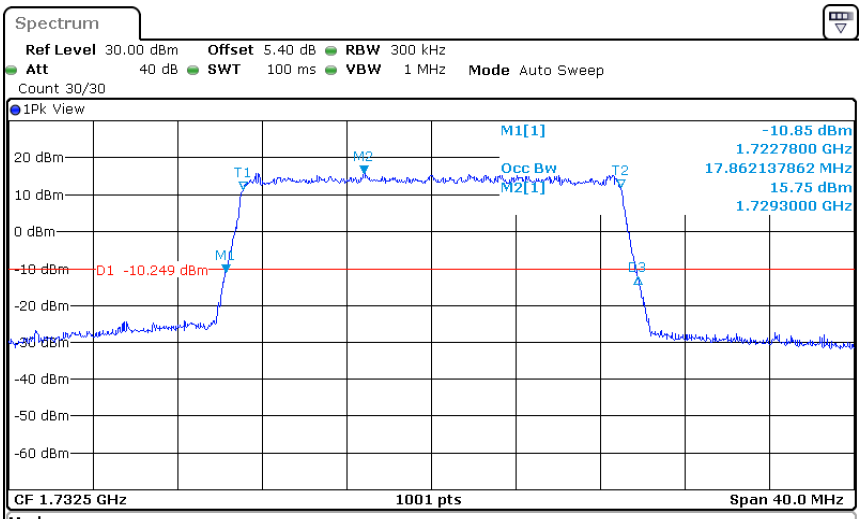


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71024 GHz	-11.04 dBm		
T1		1	1.7110889 GHz	10.97 dBm	Occ Bw	17.862137862 MHz
T2		1	1.728951 GHz	11.53 dBm		
M2		1	1.7286 GHz	15.40 dBm		
D3	M1	1	19.48 MHz	0.36 dB		

Date: 28.AUG.2020 16:23:07

Band4-20MHz-64QAM-20175-100RB#0-17.862



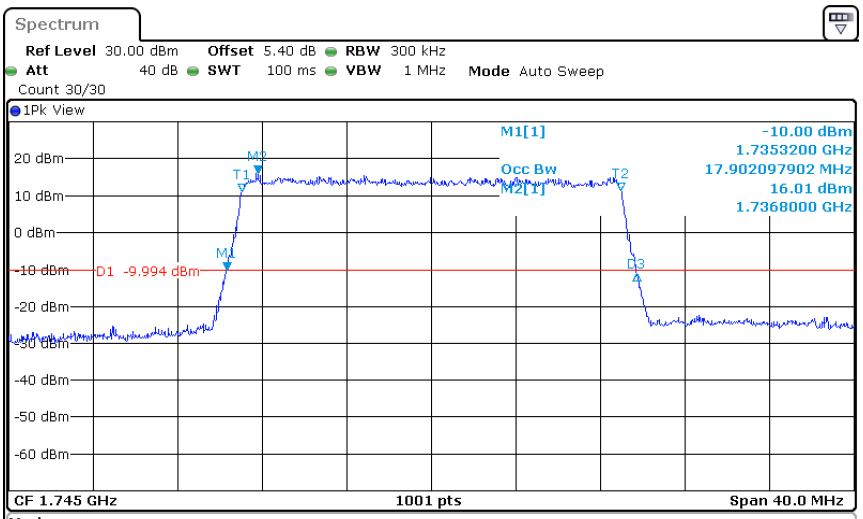
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72278 GHz	-10.85 dBm		
T1		1	1.7235889 GHz	11.49 dBm	Occ Bw	17.862137862 MHz
T2		1	1.741451 GHz	11.99 dBm		
M2		1	1.7293 GHz	15.75 dBm		
D3	M1	1	19.48 MHz	-1.22 dB		

Date: 28.AUG.2020 16:23:20

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

Band4-20MHz-64QAM-20300-100RB#0-17.902

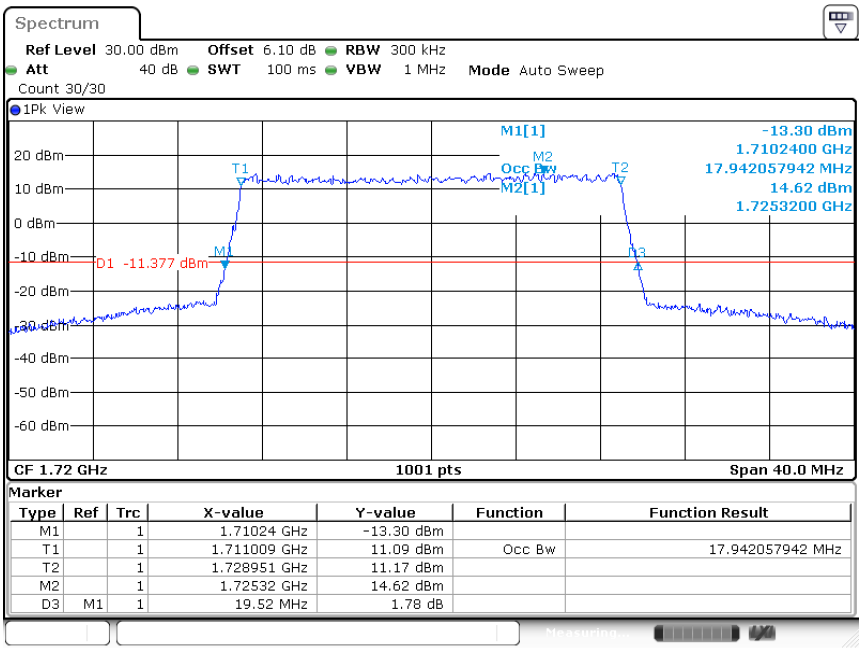


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73532 GHz	-10.00 dBm		
T1		1	1.736049 GHz	11.06 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	11.31 dBm		
M2		1	1.7368 GHz	16.01 dBm		
D3	M1	1	19.4 MHz	-1.13 dB		

Date: 28.AUG.2020 16:23:33

Band4-20MHz-16QAM-20050-100RB#0-17.942



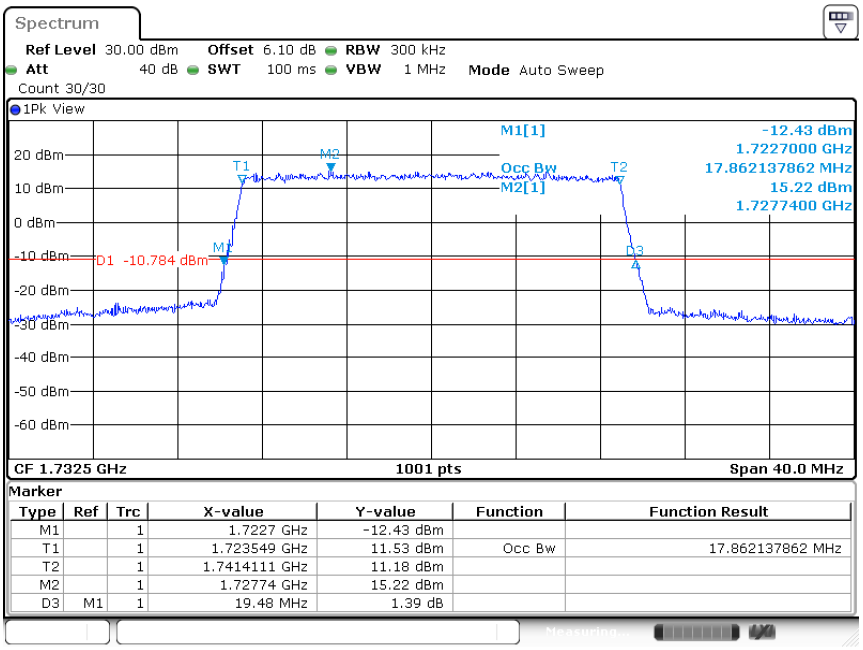
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71024 GHz	-13.30 dBm		
T1		1	1.711009 GHz	11.09 dBm	Occ Bw	17.942057942 MHz
T2		1	1.728951 GHz	11.17 dBm		
M2		1	1.72532 GHz	14.62 dBm		
D3	M1	1	19.52 MHz	1.78 dB		

Date: 12.AUG.2020 23:09:38

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)

Band4-20MHz-16QAM-20175-100RB#0-17.862

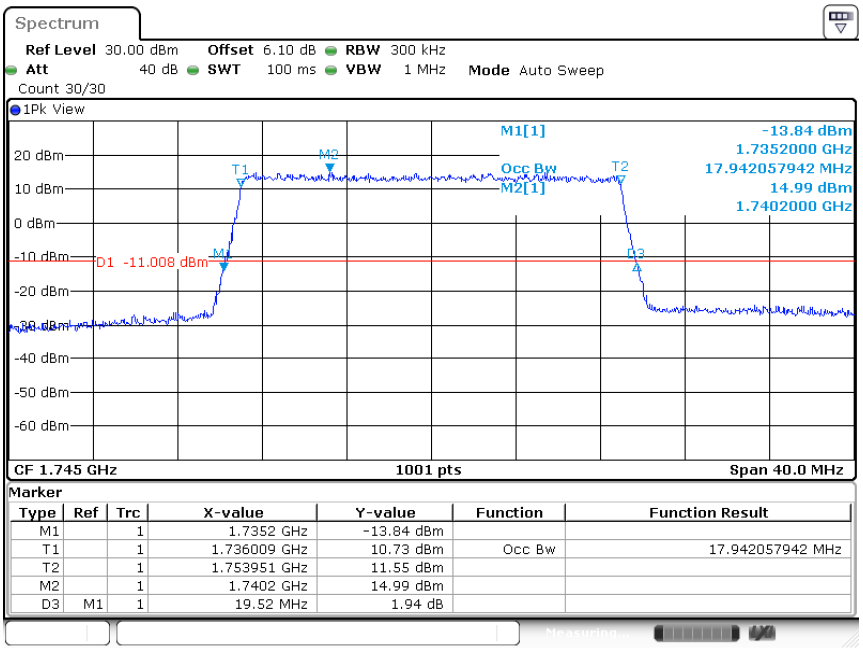


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7227 GHz	-12.43 dBm		
T1		1	1.723549 GHz	11.53 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7414111 GHz	11.18 dBm		
M2		1	1.72774 GHz	15.22 dBm		
D3	M1	1	19.48 MHz	1.39 dB		

Date: 12.AUG.2020 23:09:58

Band4-20MHz-16QAM-20300-100RB#0-17.942



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7352 GHz	-13.84 dBm		
T1		1	1.736009 GHz	10.73 dBm	Occ Bw	17.942057942 MHz
T2		1	1.753951 GHz	11.55 dBm		
M2		1	1.7402 GHz	14.99 dBm		
D3	M1	1	19.52 MHz	1.94 dB		

Date: 12.AUG.2020 23:10:17

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

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

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-26.13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-29.32	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-26.27	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.70	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-24.58	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-26.42	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	-23.38	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	-27.28	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-25.23	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-27.86	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-25.46	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.25	PASS
Band4	3MHz	QPSK	19965	1RB#0	-25.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.56	PASS
Band4	3MHz	QPSK	20385	1RB#14	-25.13	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.85	PASS
Band4	3MHz	64QAM	19965	1RB#0	-22.93	PASS
Band4	3MHz	64QAM	19965	15RB#0	-29.06	PASS
Band4	3MHz	64QAM	20385	1RB#14	-22.33	PASS
Band4	3MHz	64QAM	20385	15RB#0	-28.60	PASS
Band4	3MHz	16QAM	19965	1RB#0	-24.08	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.44	PASS
Band4	3MHz	16QAM	20385	1RB#14	-25.34	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.46	PASS
Band4	5MHz	QPSK	19975	1RB#0	-24.65	PASS
Band4	5MHz	QPSK	19975	25RB#0	-31.48	PASS
Band4	5MHz	QPSK	20375	1RB#24	-25.43	PASS
Band4	5MHz	QPSK	20375	25RB#0	-30.38	PASS
Band4	5MHz	64QAM	19975	1RB#0	-23.18	PASS
Band4	5MHz	64QAM	19975	25RB#0	-29.36	PASS
Band4	5MHz	64QAM	20375	1RB#24	-22.07	PASS
Band4	5MHz	64QAM	20375	25RB#0	-29.84	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)

Band4	5MHz	16QAM	19975	1RB#0	-24.33	PASS
Band4	5MHz	16QAM	19975	25RB#0	-30.60	PASS
Band4	5MHz	16QAM	20375	1RB#24	-24.37	PASS
Band4	5MHz	16QAM	20375	25RB#0	-30.14	PASS
Band4	10MHz	QPSK	20000	1RB#0	-34.14	PASS
Band4	10MHz	QPSK	20000	50RB#0	-34.64	PASS
Band4	10MHz	QPSK	20350	1RB#49	-34.36	PASS
Band4	10MHz	QPSK	20350	50RB#0	-34.58	PASS
Band4	10MHz	64QAM	20000	1RB#0	-32.71	PASS
Band4	10MHz	64QAM	20000	50RB#0	-32.33	PASS
Band4	10MHz	64QAM	20350	1RB#49	-32.37	PASS
Band4	10MHz	64QAM	20350	50RB#0	-32.30	PASS
Band4	10MHz	16QAM	20000	1RB#0	-33.39	PASS
Band4	10MHz	16QAM	20000	50RB#0	-34.37	PASS
Band4	10MHz	16QAM	20350	1RB#49	-34.52	PASS
Band4	10MHz	16QAM	20350	50RB#0	-33.02	PASS
Band4	15MHz	QPSK	20025	1RB#0	-29.19	PASS
Band4	15MHz	QPSK	20025	75RB#0	-34.02	PASS
Band4	15MHz	QPSK	20325	1RB#74	-28.72	PASS
Band4	15MHz	QPSK	20325	75RB#0	-34.92	PASS
Band4	15MHz	64QAM	20025	1RB#0	-27.19	PASS
Band4	15MHz	64QAM	20025	75RB#0	-33.57	PASS
Band4	15MHz	64QAM	20325	1RB#74	-26.18	PASS
Band4	15MHz	64QAM	20325	75RB#0	-33.14	PASS
Band4	15MHz	16QAM	20025	1RB#0	-28.98	PASS
Band4	15MHz	16QAM	20025	75RB#0	-33.40	PASS
Band4	15MHz	16QAM	20325	1RB#74	-26.54	PASS
Band4	15MHz	16QAM	20325	75RB#0	-34.35	PASS
Band4	20MHz	QPSK	20050	1RB#0	-30.27	PASS
Band4	20MHz	QPSK	20050	100RB#0	-32.64	PASS
Band4	20MHz	QPSK	20300	1RB#99	-29.84	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.98	PASS
Band4	20MHz	64QAM	20050	1RB#0	-28.63	PASS
Band4	20MHz	64QAM	20050	100RB#0	-33.54	PASS
Band4	20MHz	64QAM	20300	1RB#99	-27.94	PASS
Band4	20MHz	64QAM	20300	100RB#0	-32.41	PASS
Band4	20MHz	16QAM	20050	1RB#0	-29.82	PASS
Band4	20MHz	16QAM	20050	100RB#0	-32.00	PASS

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.

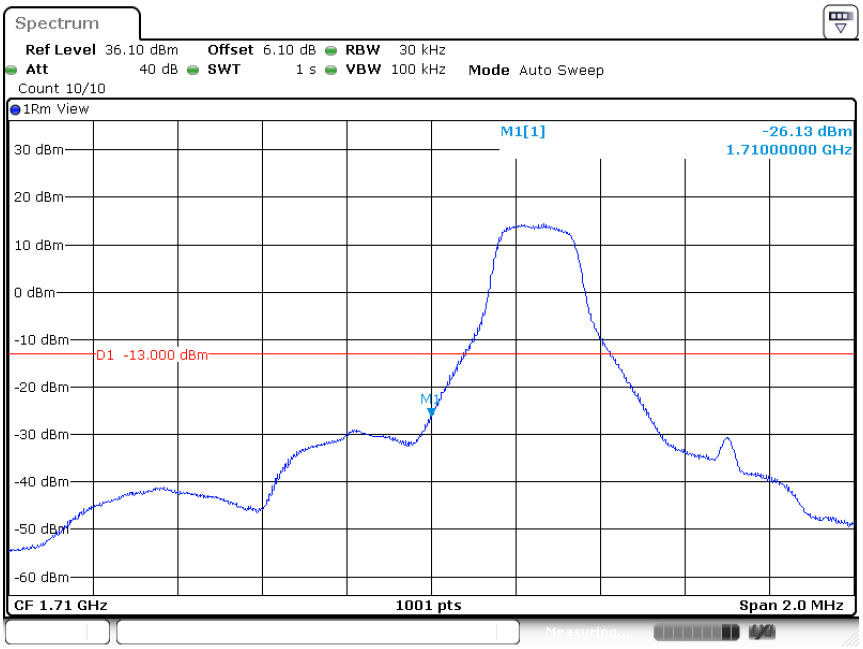
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4	20MHz	16QAM	20300	1RB#99	-29.20	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.23	PASS

5.2. Test Plots

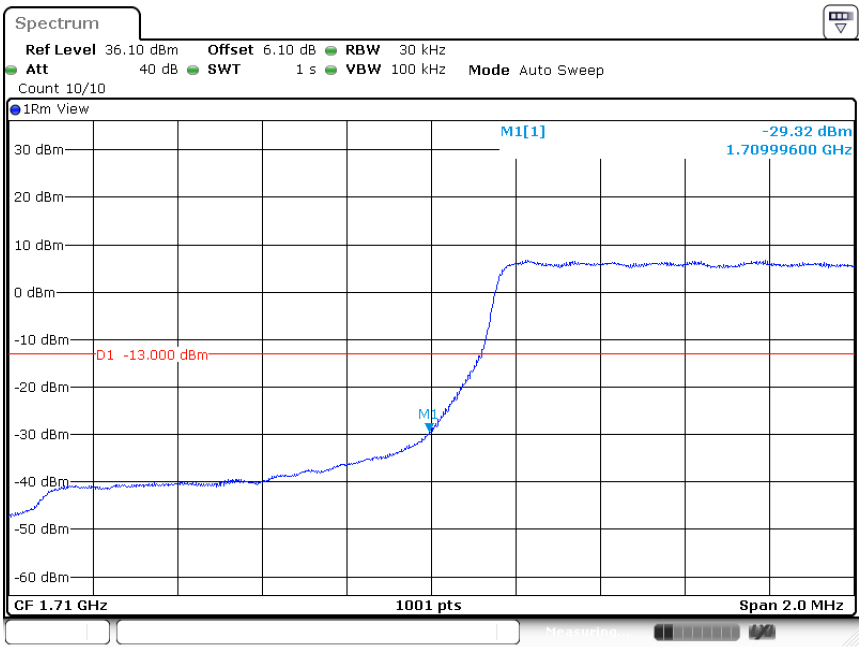
Band4-1.4MHz-QPSK-19957-1RB#0



Date: 12.AUG.2020 23:10:37

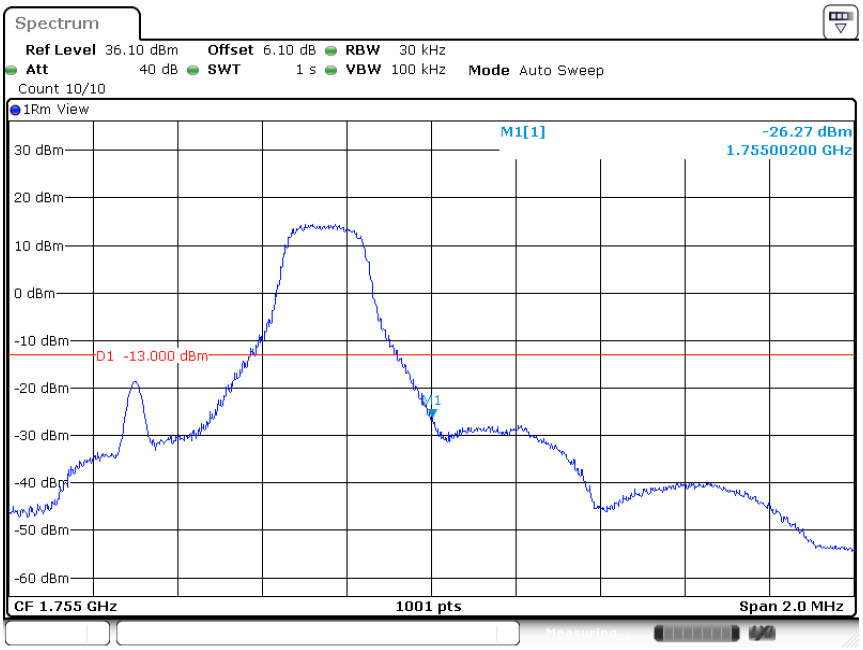
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-1.4MHz-QPSK-19957-6RB#0



Date: 12.AUG.2020 23:11:12

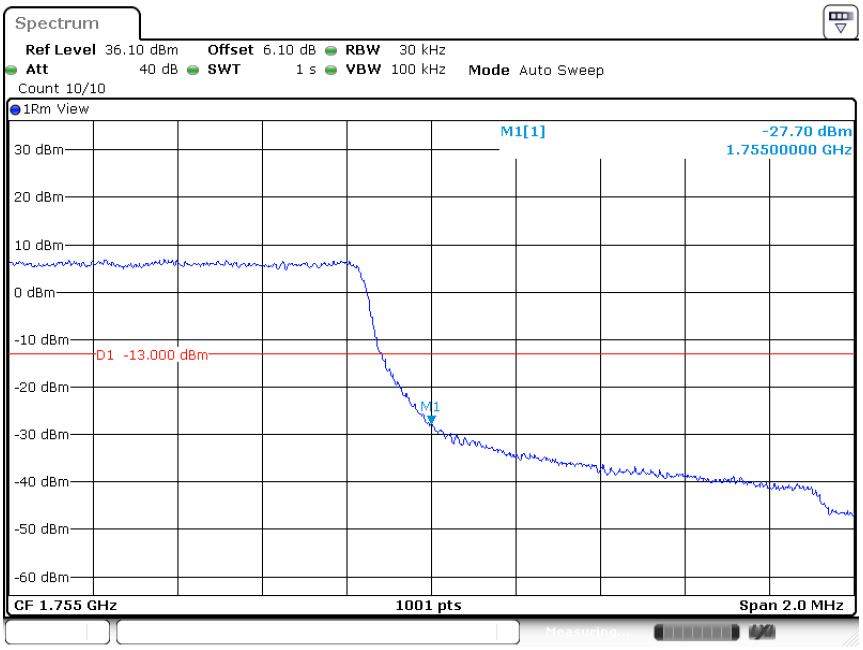
Band4-1.4MHz-QPSK-20393-1RB#5



Date: 12.AUG.2020 23:11:49

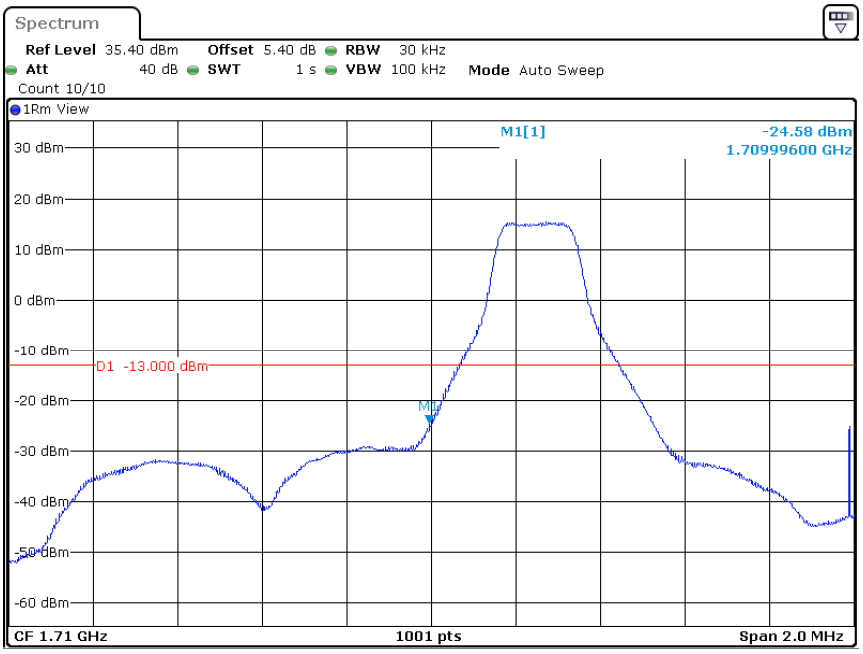
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-1.4MHz-QPSK-20393-6RB#0



Date: 12.AUG.2020 23:12:24

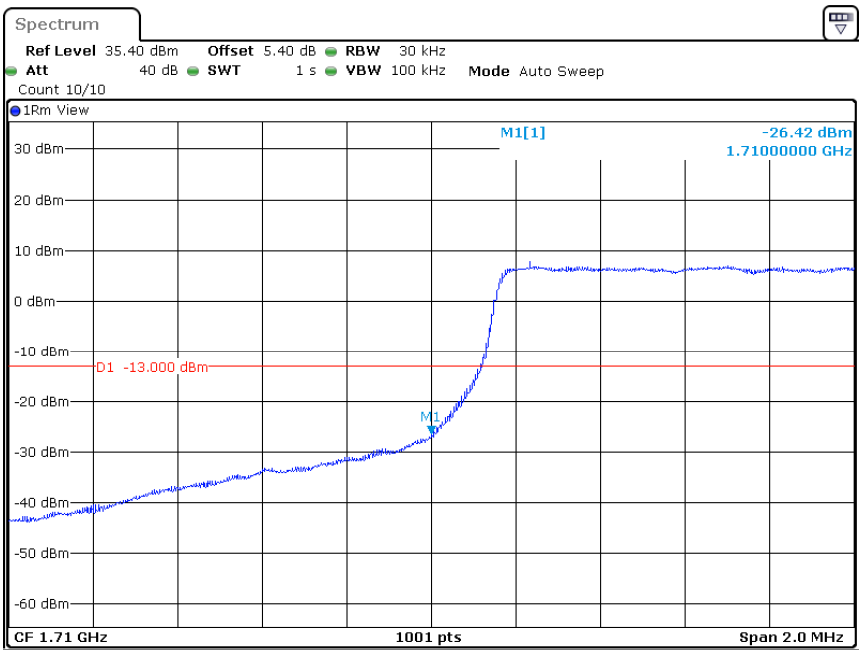
Band4-1.4MHz-64QAM-19957-1RB#0



Date: 28.AUG.2020 16:24:01

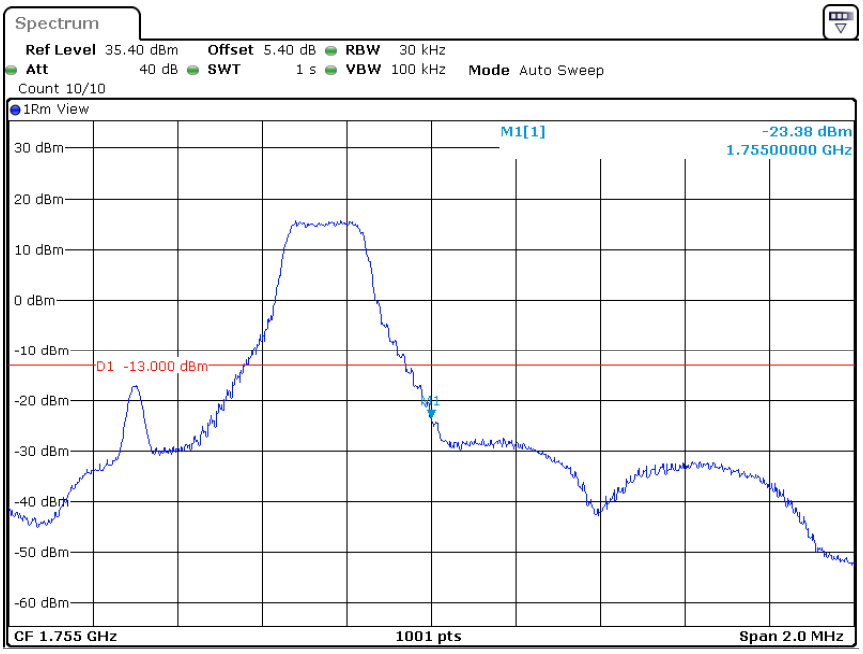
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-1.4MHz-64QAM-19957-6RB#0



Date: 28.AUG.2020 16:24:21

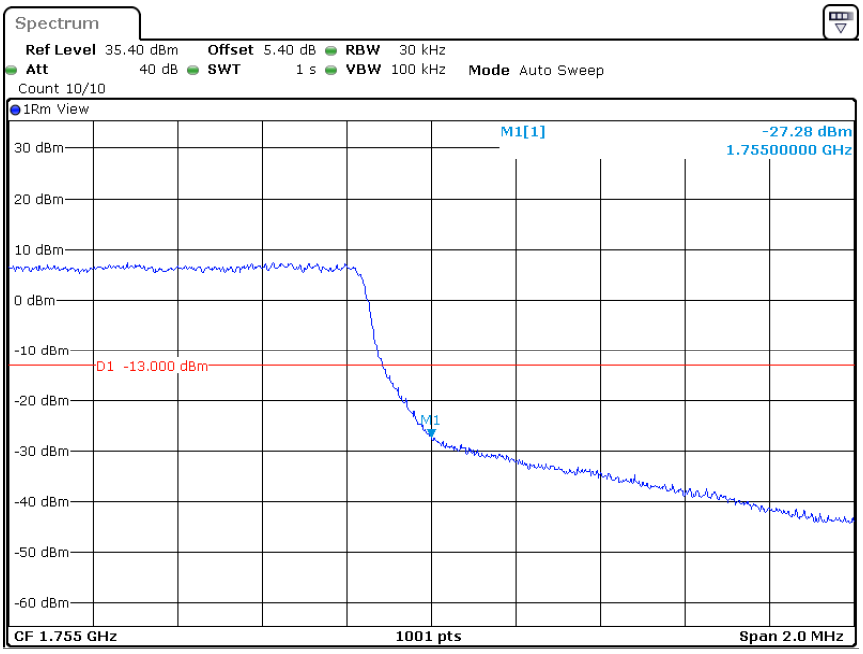
Band4-1.4MHz-64QAM-20393-1RB#5



Date: 28.AUG.2020 16:24:47

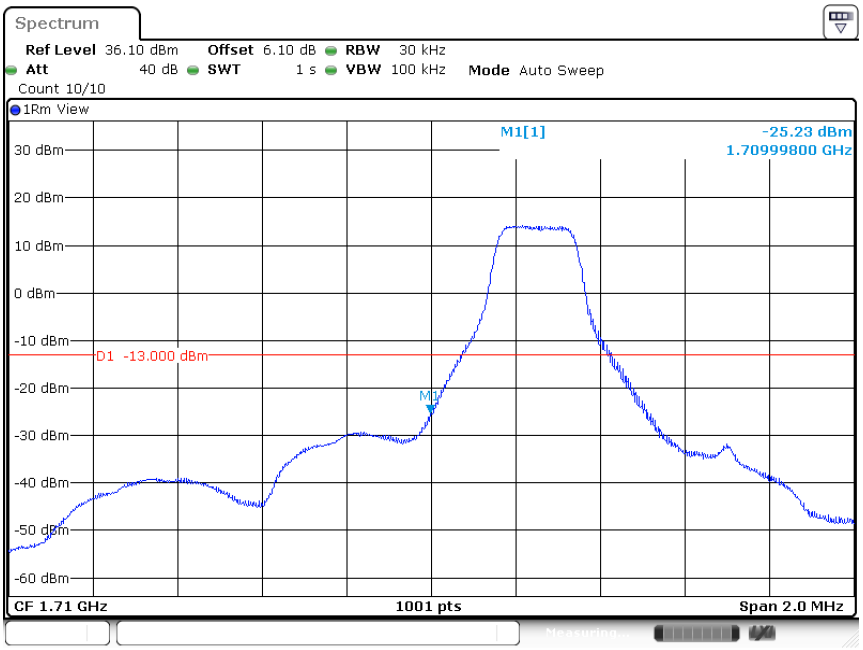
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-1.4MHz-64QAM-20393-6RB#0



Date: 28.AUG.2020 16:25:08

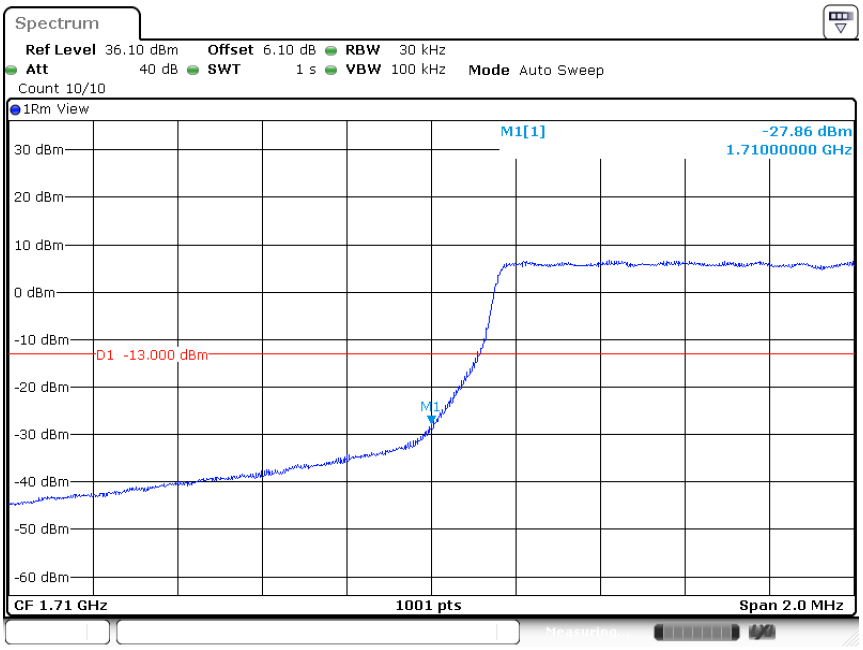
Band4-1.4MHz-16QAM-19957-1RB#0



Date: 12.AUG.2020 23:10:55

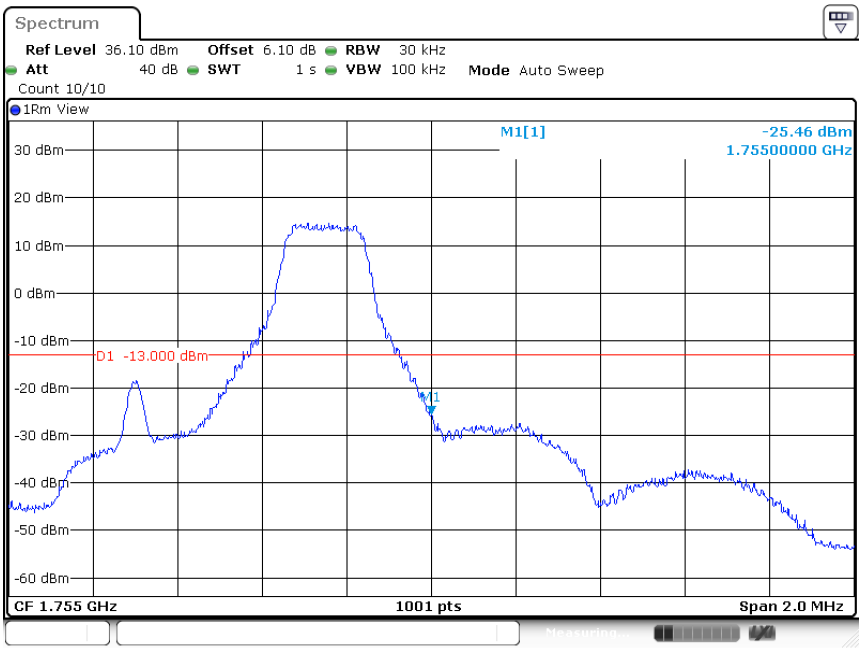
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-1.4MHz-16QAM-19957-6RB#0



Date: 12.AUG.2020 23:11:30

Band4-1.4MHz-16QAM-20393-1RB#5

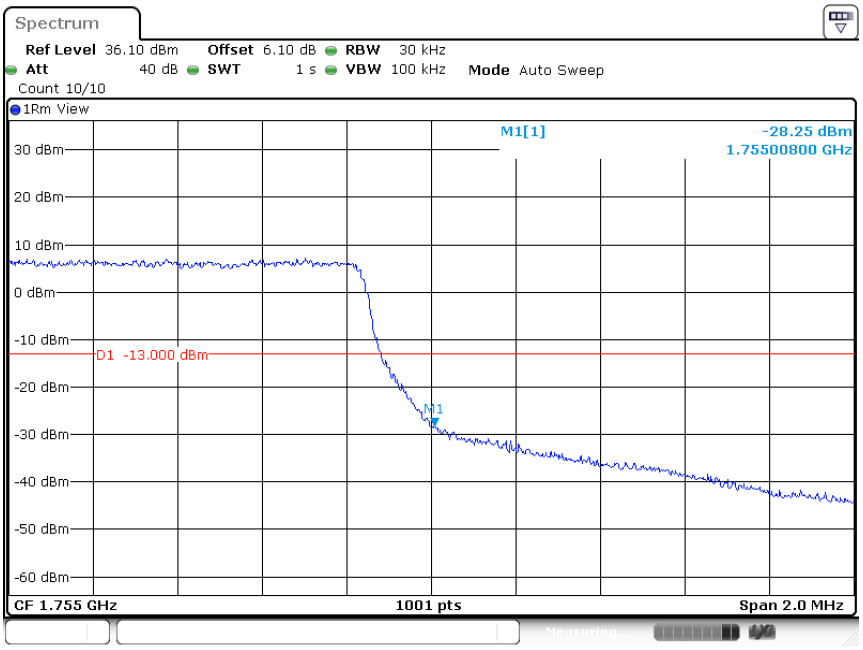


Date: 12.AUG.2020 23:12:06

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

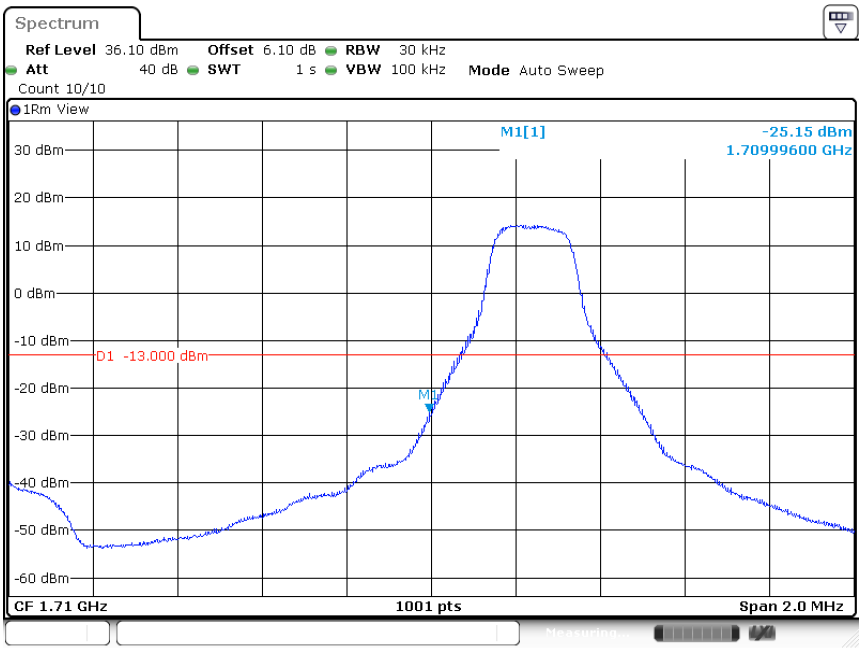
SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch Testing Center EEC Laboratory.
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755)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

Band4-1.4MHz-16QAM-20393-6RB#0



Date: 12.AUG.2020 23:12:41

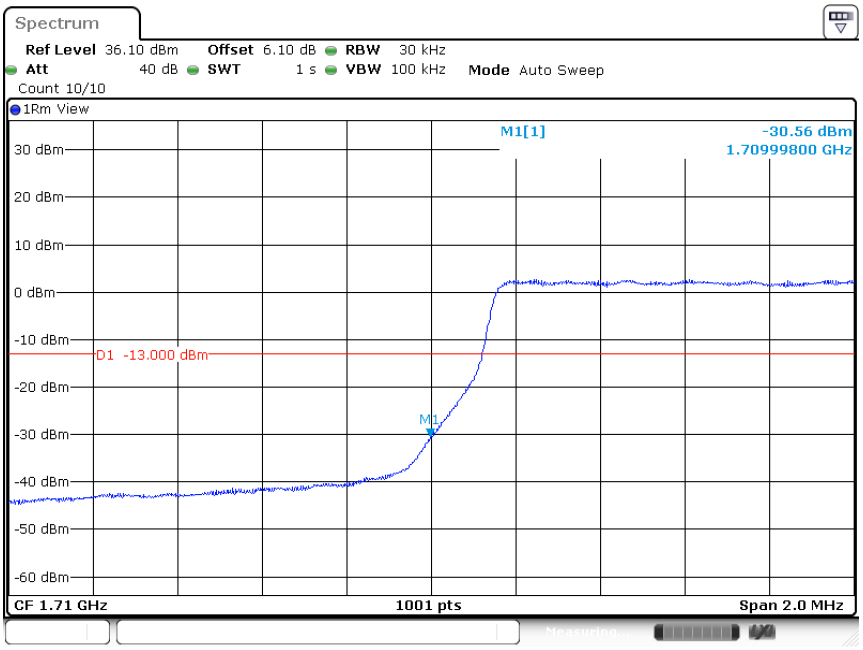
Band4-3MHz-QPSK-19965-1RB#0



Date: 12.AUG.2020 23:13:01

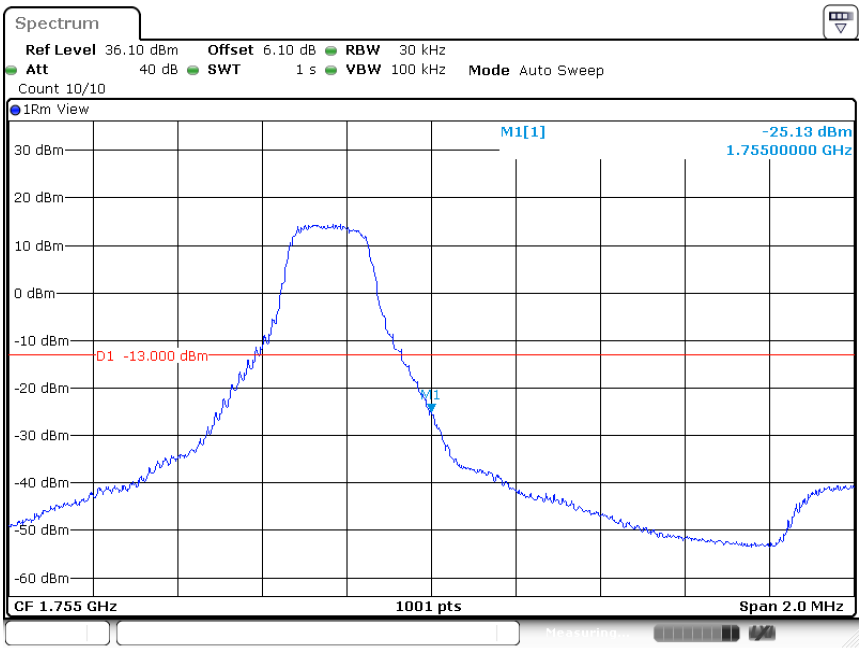
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-3MHz-QPSK-19965-15RB#0



Date: 12.AUG.2020 23:13:36

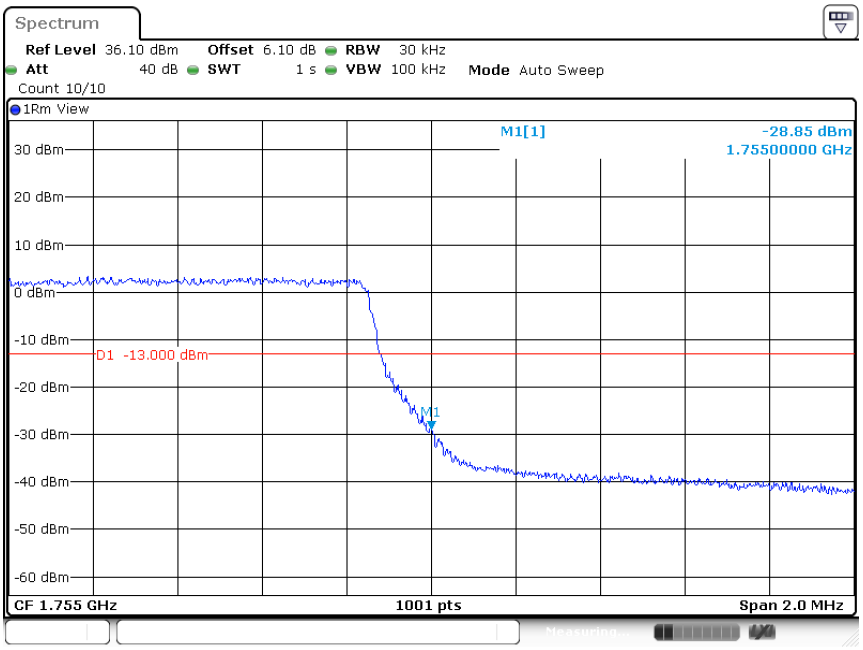
Band4-3MHz-QPSK-20385-1RB#14



Date: 12.AUG.2020 23:14:12

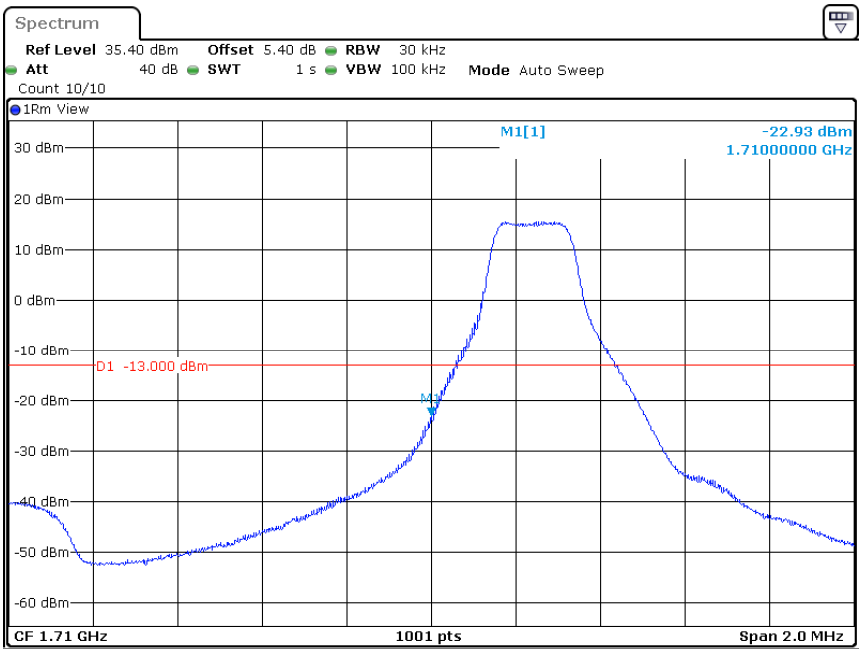
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-3MHz-QPSK-20385-15RB#0



Date: 12.AUG.2020 23:14:47

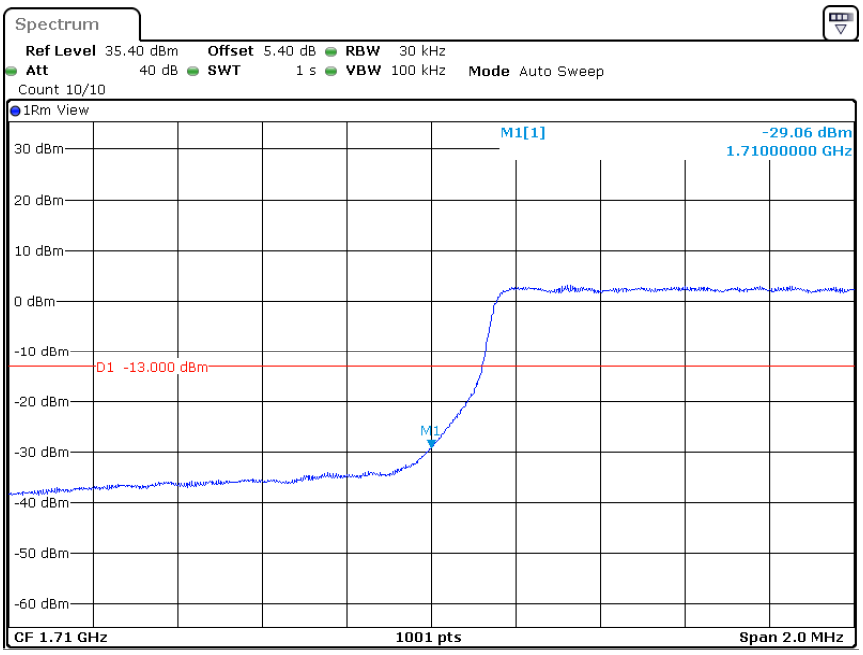
Band4-3MHz-64QAM-19965-1RB#0



Date: 28.AUG.2020 16:25:35

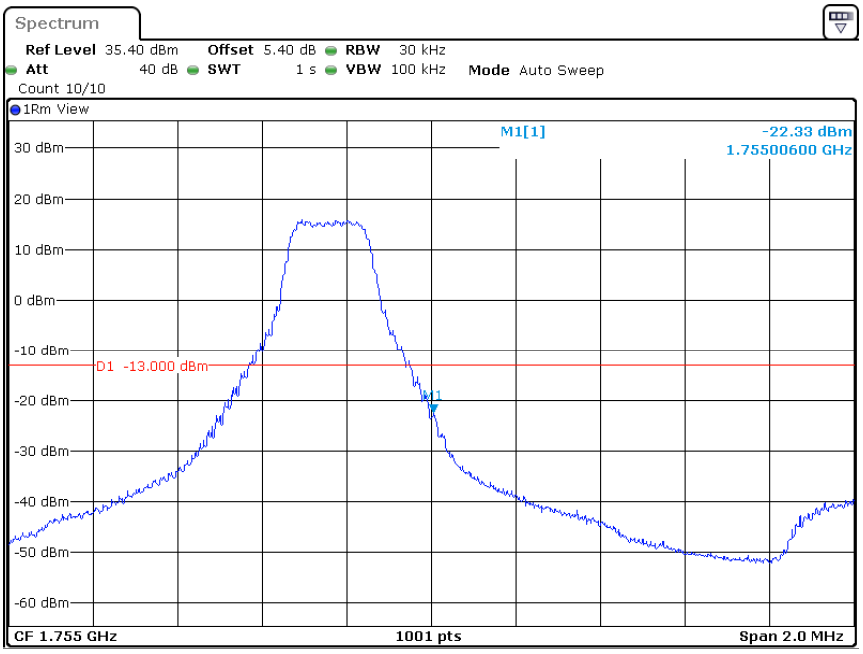
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-3MHz-64QAM-19965-15RB#0



Date: 28.AUG.2020 16:25:56

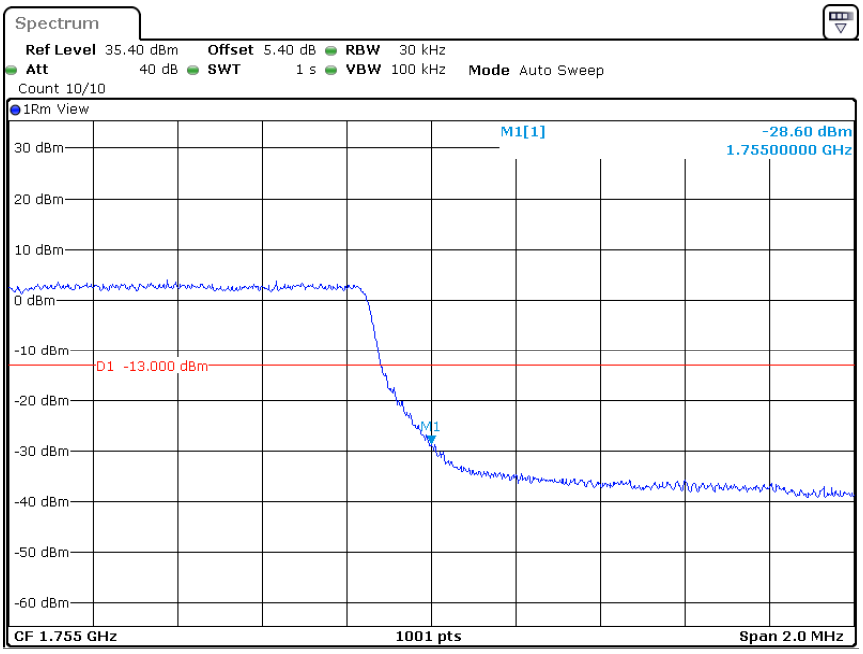
Band4-3MHz-64QAM-20385-1RB#14



Date: 28.AUG.2020 16:26:22

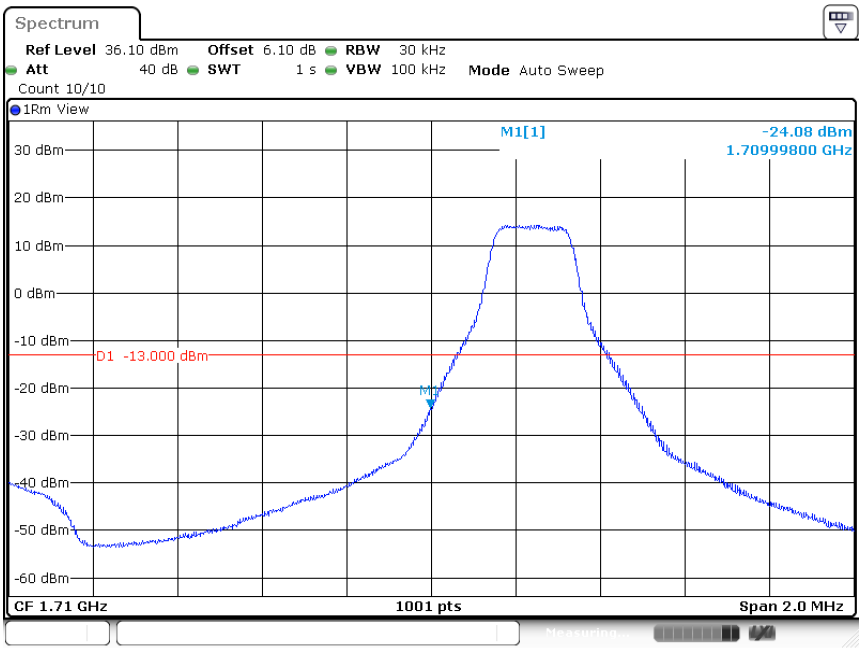
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-3MHz-64QAM-20385-15RB#0



Date: 28.AUG.2020 16:26:43

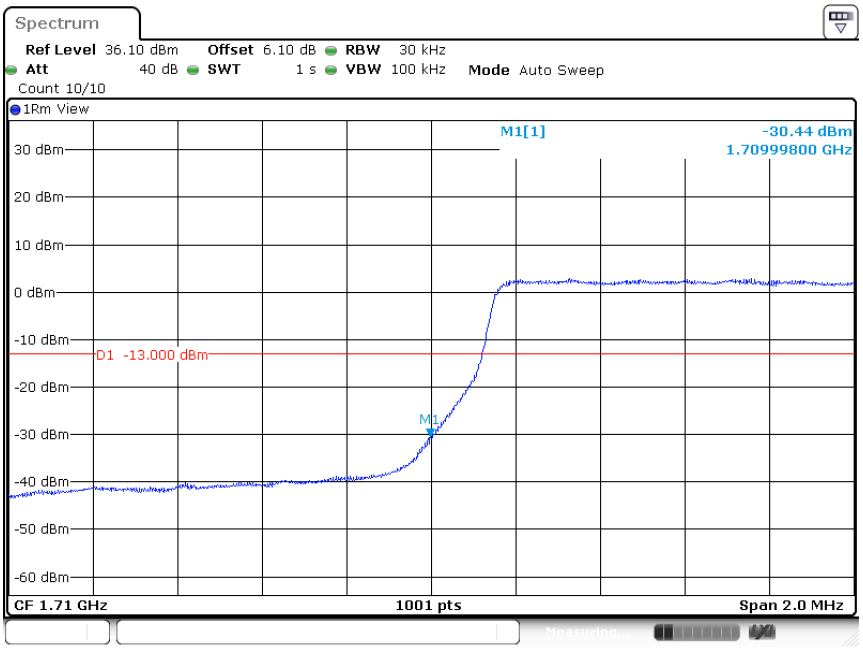
Band4-3MHz-16QAM-19965-1RB#0



Date: 12.AUG.2020 23:13:19

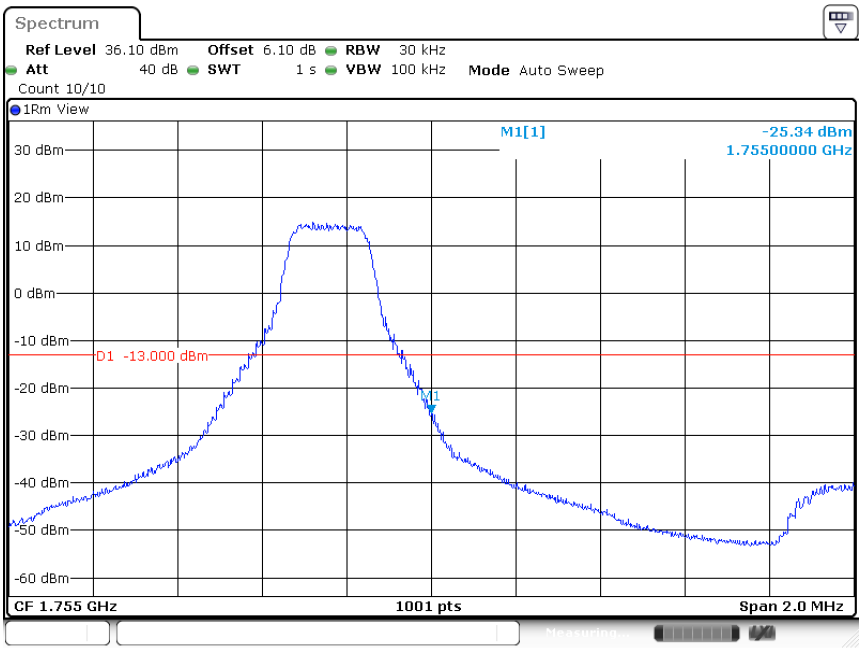
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-3MHz-16QAM-19965-15RB#0



Date: 12.AUG.2020 23:13:54

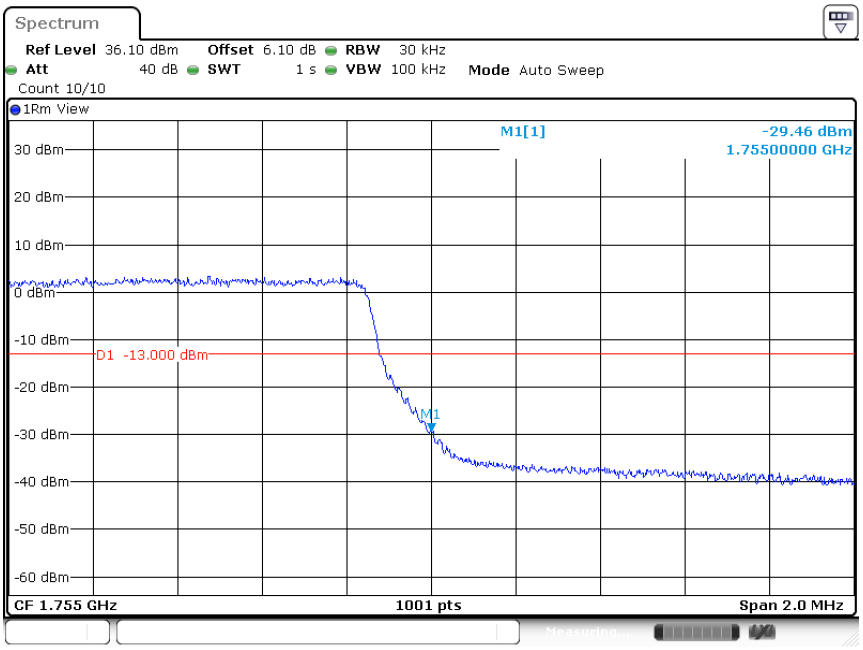
Band4-3MHz-16QAM-20385-1RB#14



Date: 12.AUG.2020 23:14:30

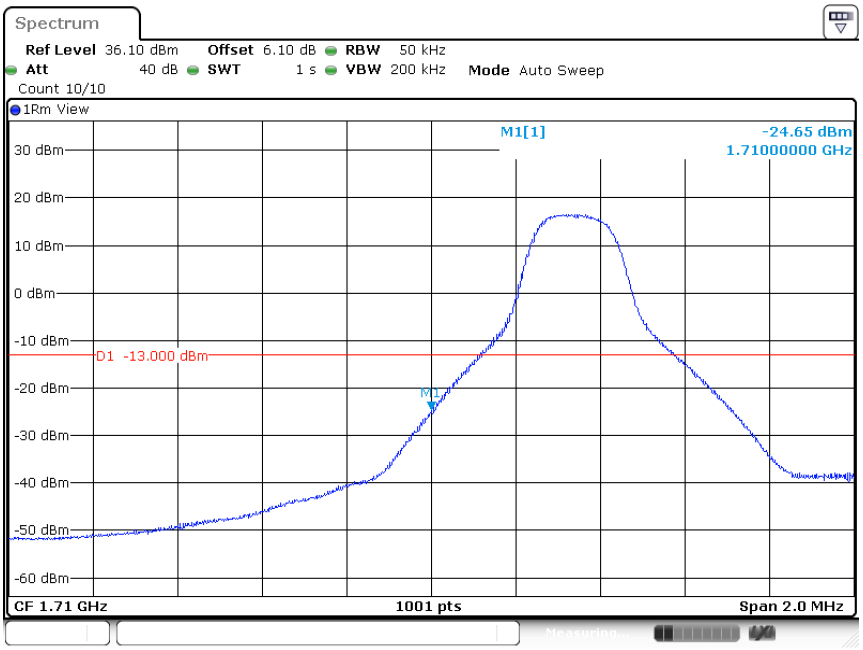
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-3MHz-16QAM-20385-15RB#0



Date: 12.AUG.2020 23:15:05

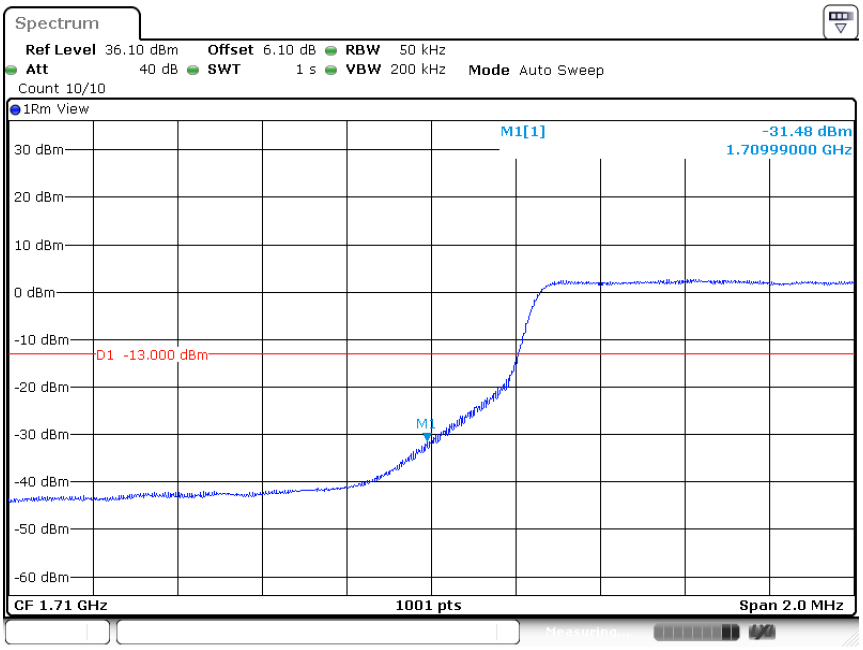
Band4-5MHz-QPSK-19975-1RB#0



Date: 12.AUG.2020 23:15:24

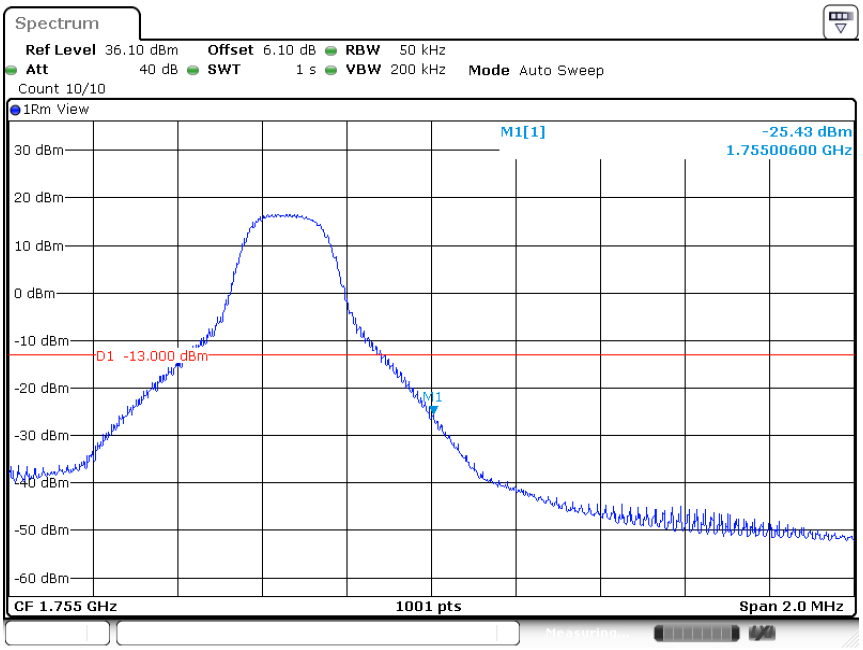
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-QPSK-19975-25RB#0



Date: 12.AUG.2020 23:15:59

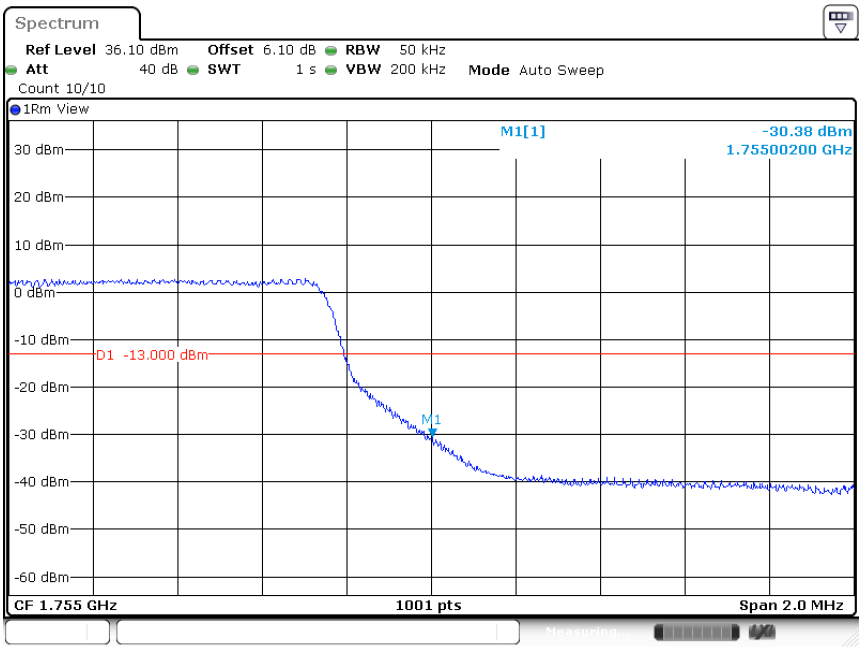
Band4-5MHz-QPSK-20375-1RB#24



Date: 12.AUG.2020 23:16:35

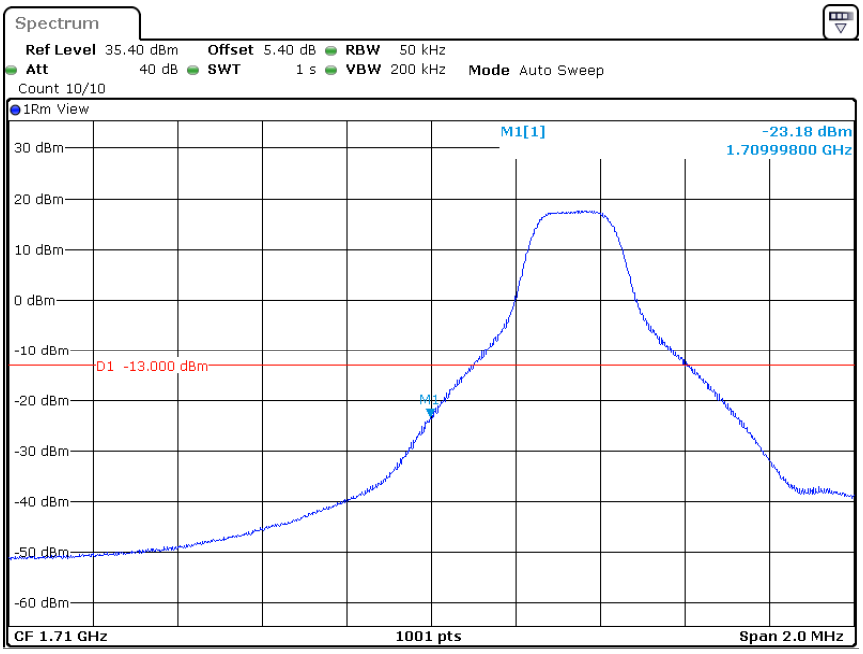
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-QPSK-20375-25RB#0



Date: 12.AUG.2020 23:17:10

Band4-5MHz-64QAM-19975-1RB#0

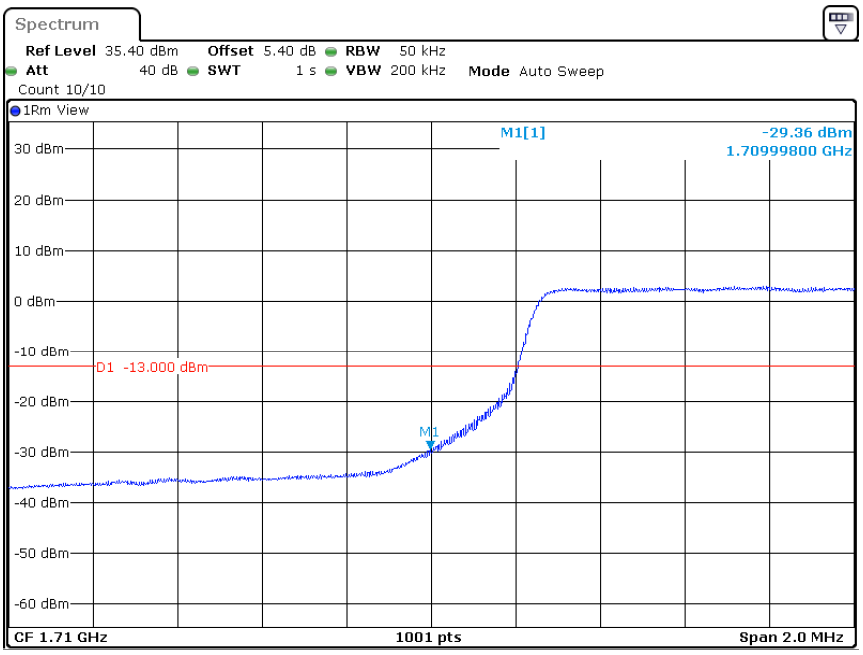


Date: 28.AUG.2020 16:27:10

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

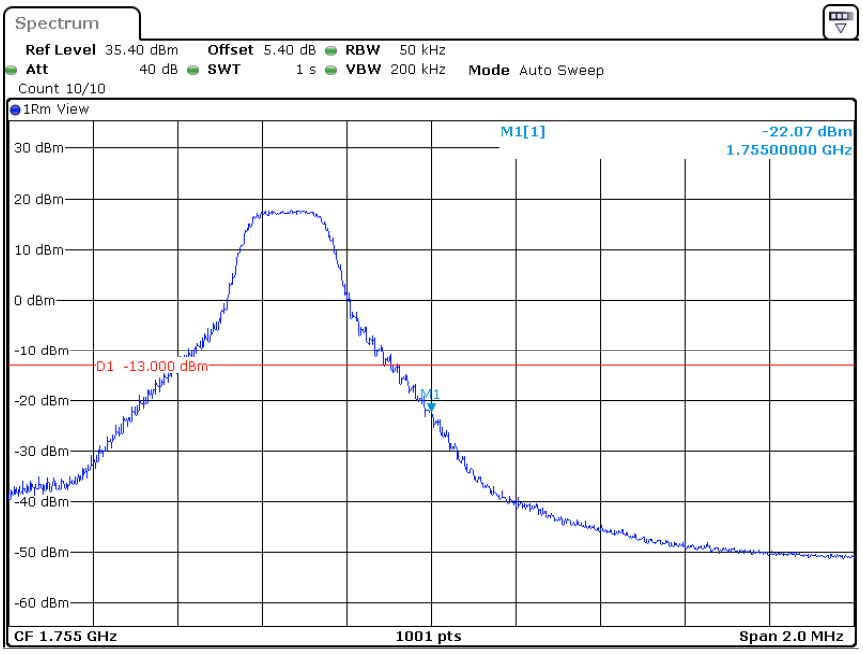
SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch Testing Center EEC Laboratory.
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755)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

Band4-5MHz-64QAM-19975-25RB#0



Date: 28.AUG.2020 16:27:31

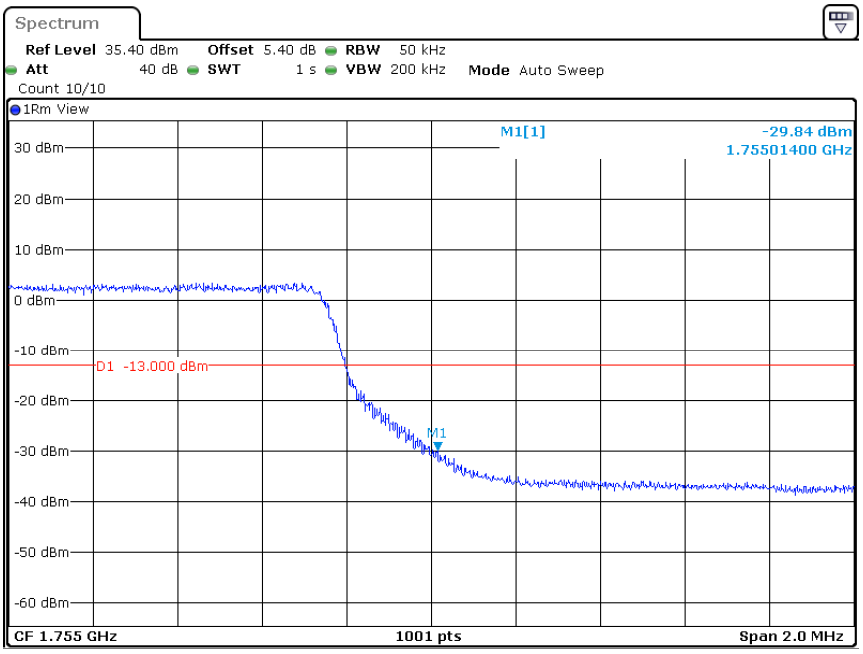
Band4-5MHz-64QAM-20375-1RB#24



Date: 28.AUG.2020 16:27:57

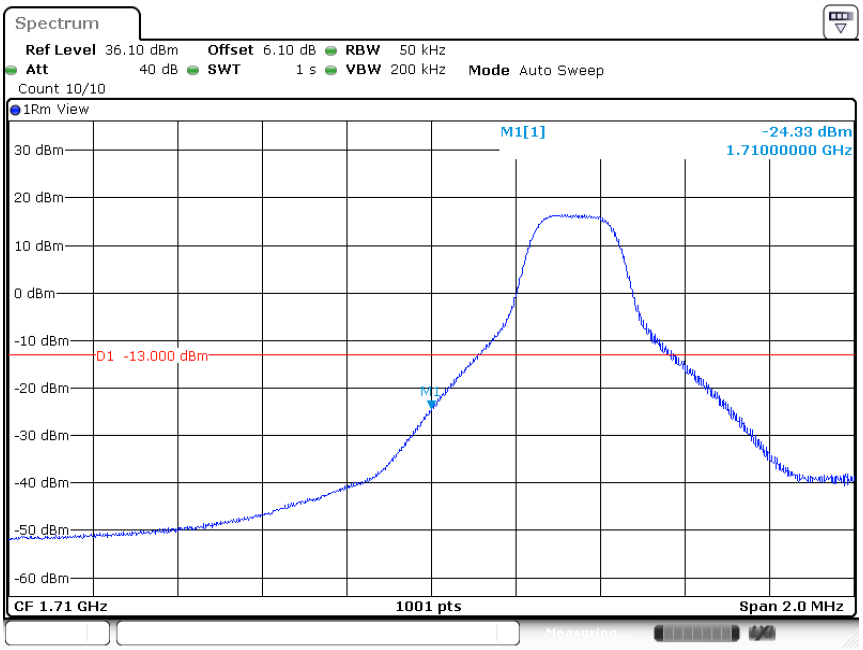
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-64QAM-20375-25RB#0



Date: 28.AUG.2020 16:28:17

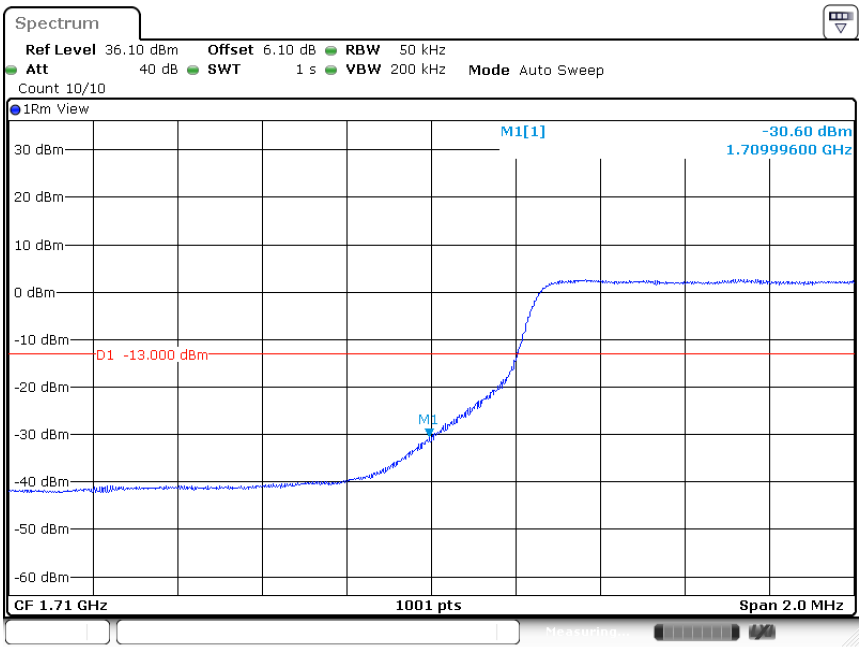
Band4-5MHz-16QAM-19975-1RB#0



Date: 12.AUG.2020 23:15:41

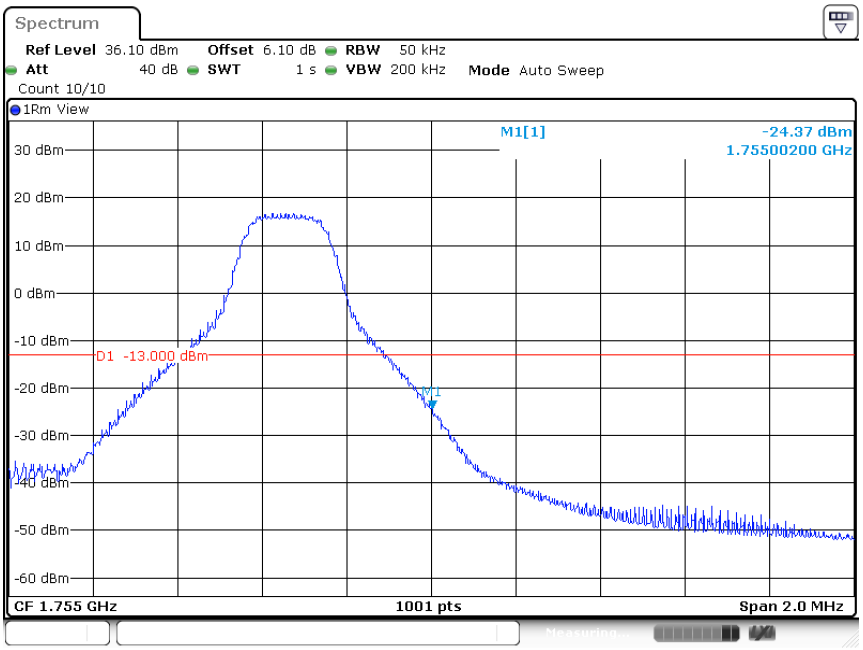
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-16QAM-19975-25RB#0



Date: 12.AUG.2020 23:16:16

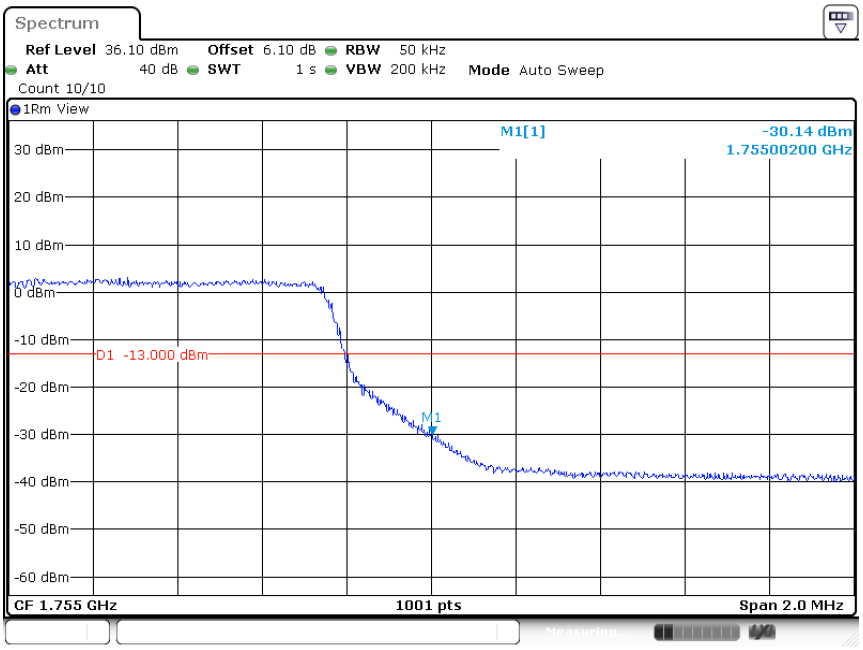
Band4-5MHz-16QAM-20375-1RB#24



Date: 12.AUG.2020 23:16:52

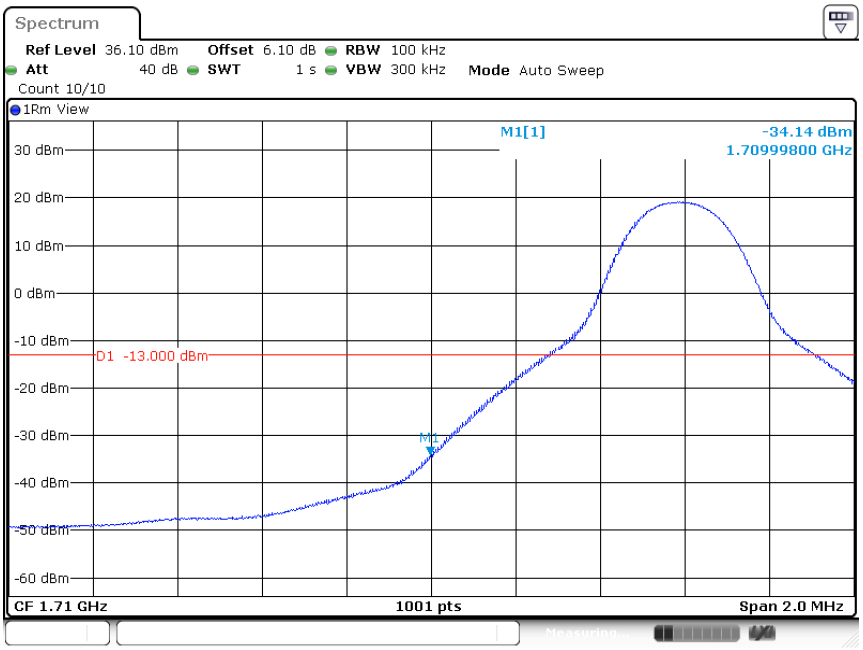
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-16QAM-20375-25RB#0



Date: 12.AUG.2020 23:17:27

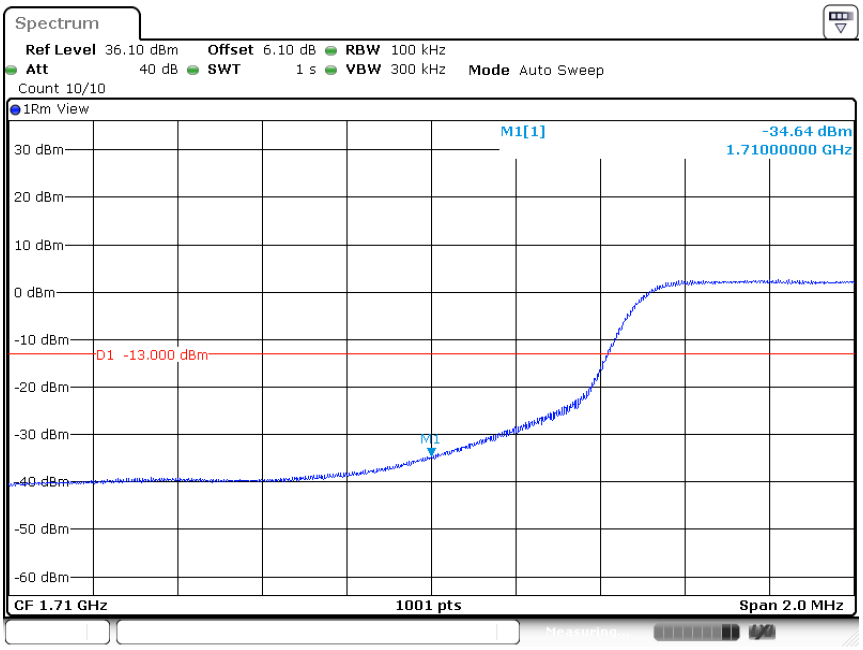
Band4-10MHz-QPSK-20000-1RB#0



Date: 12.AUG.2020 23:17:47

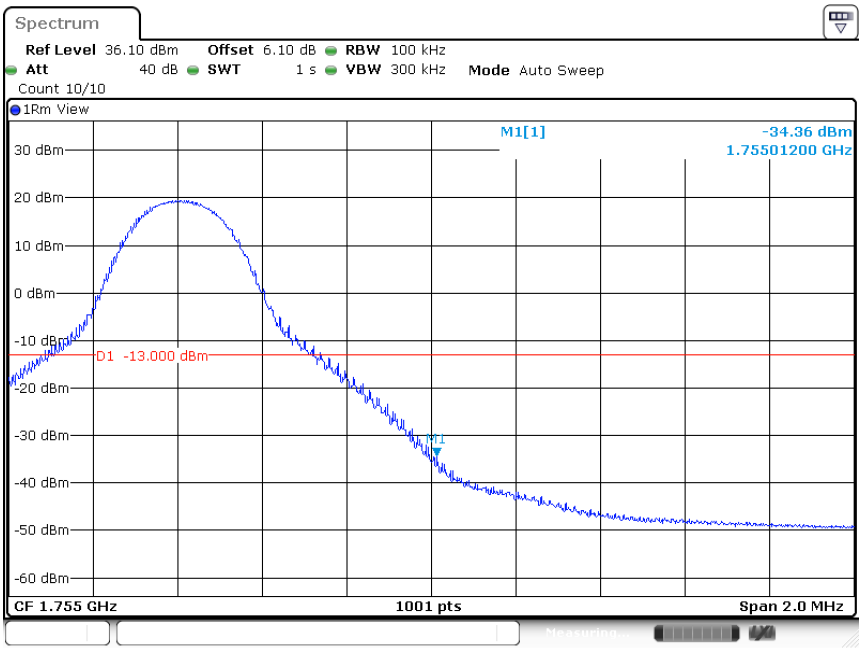
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-10MHz-QPSK-20000-50RB#0



Date: 12.AUG.2020 23:18:22

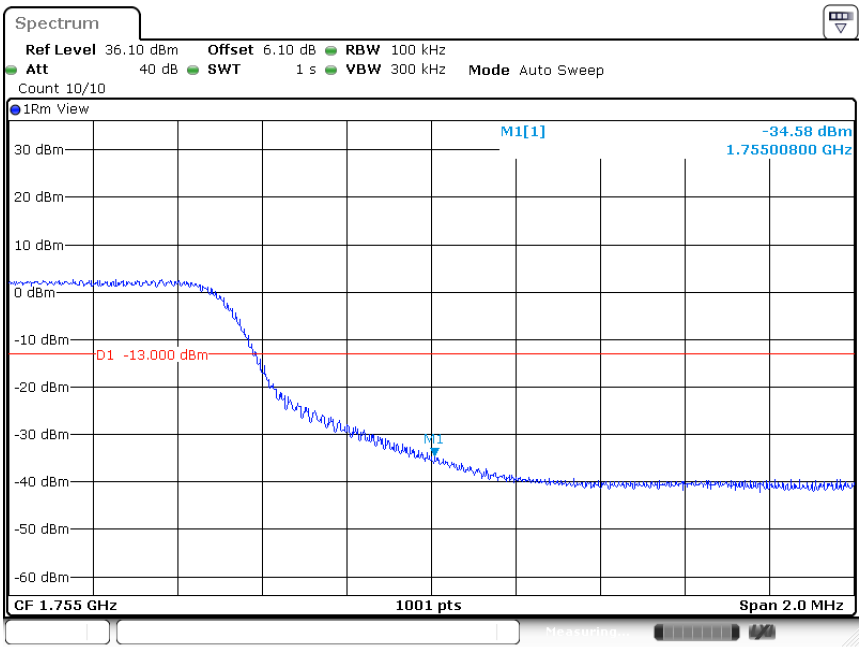
Band4-10MHz-QPSK-20350-1RB#49



Date: 12.AUG.2020 23:18:58

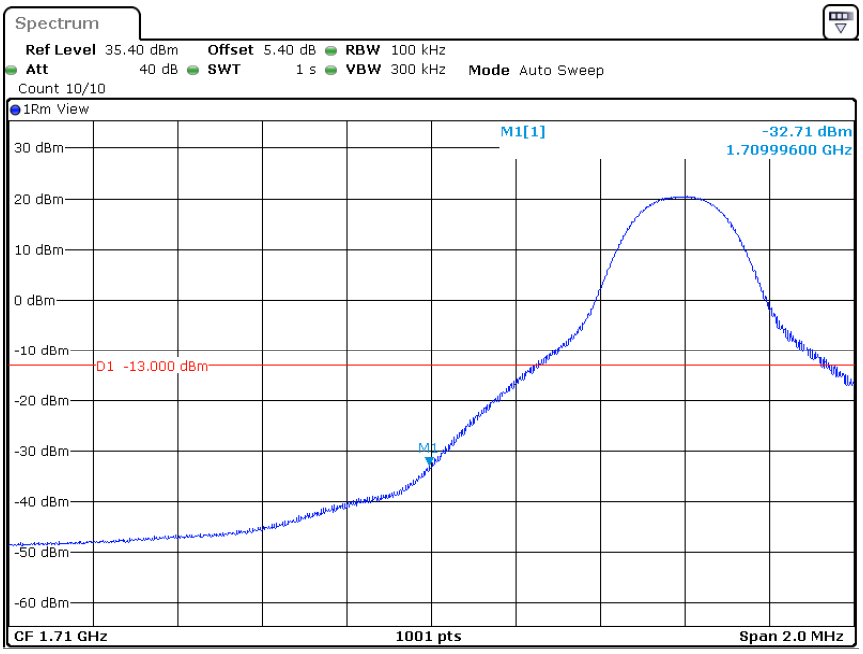
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-10MHz-QPSK-20350-50RB#0



Date: 12.AUG.2020 23:19:34

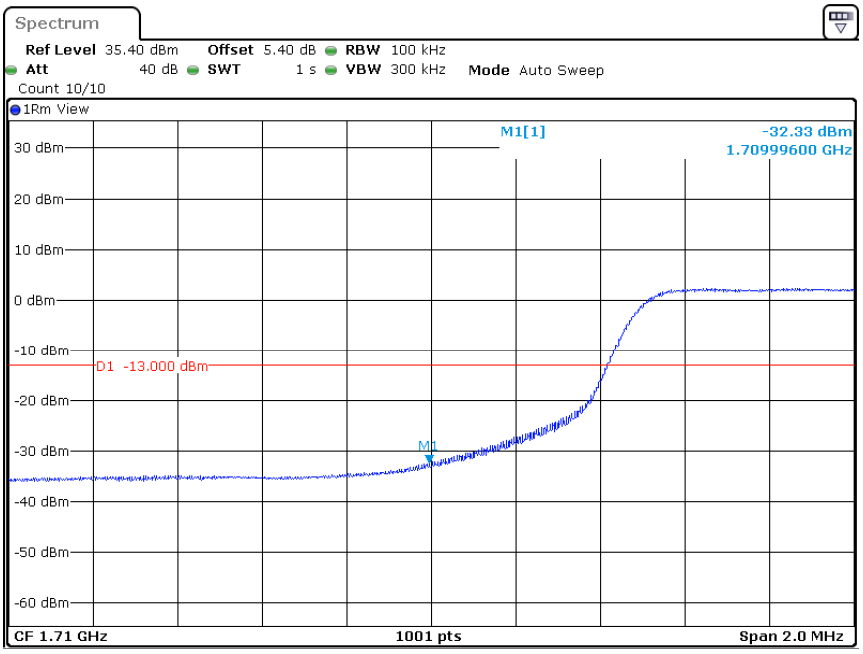
Band4-10MHz-64QAM-20000-1RB#0



Date: 28.AUG.2020 16:28:45

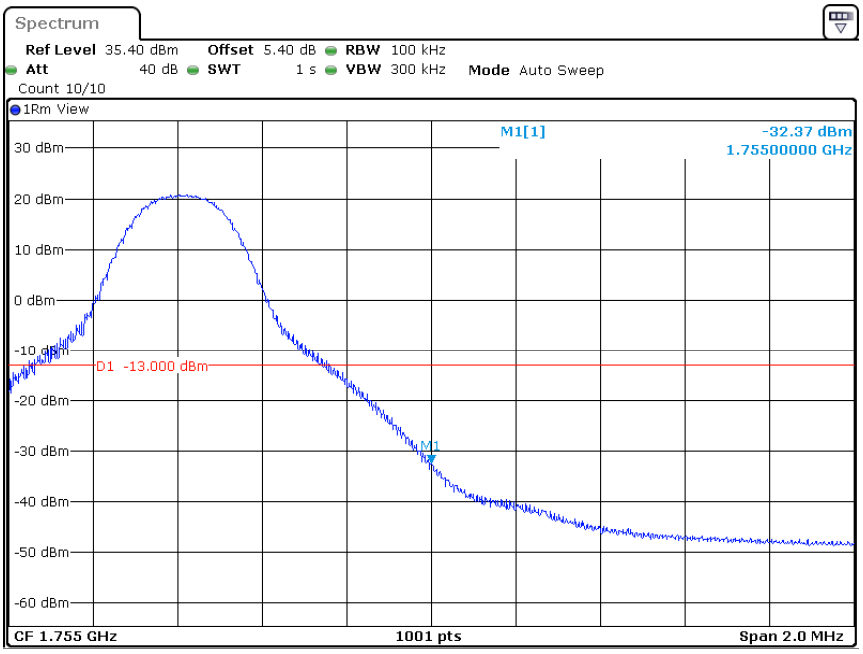
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-10MHz-64QAM-20000-50RB#0



Date: 28.AUG.2020 16:29:05

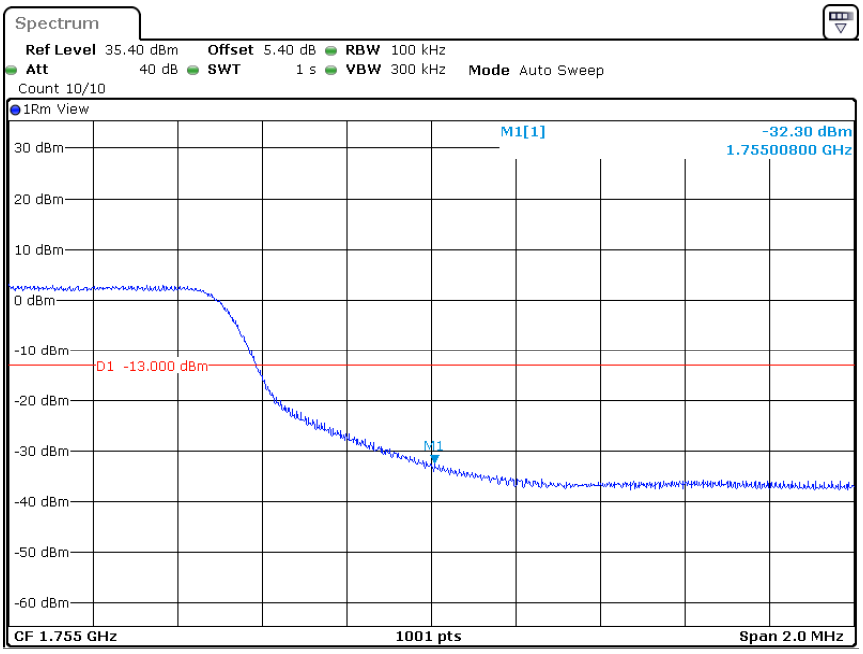
Band4-10MHz-64QAM-20350-1RB#49



Date: 28.AUG.2020 16:29:32

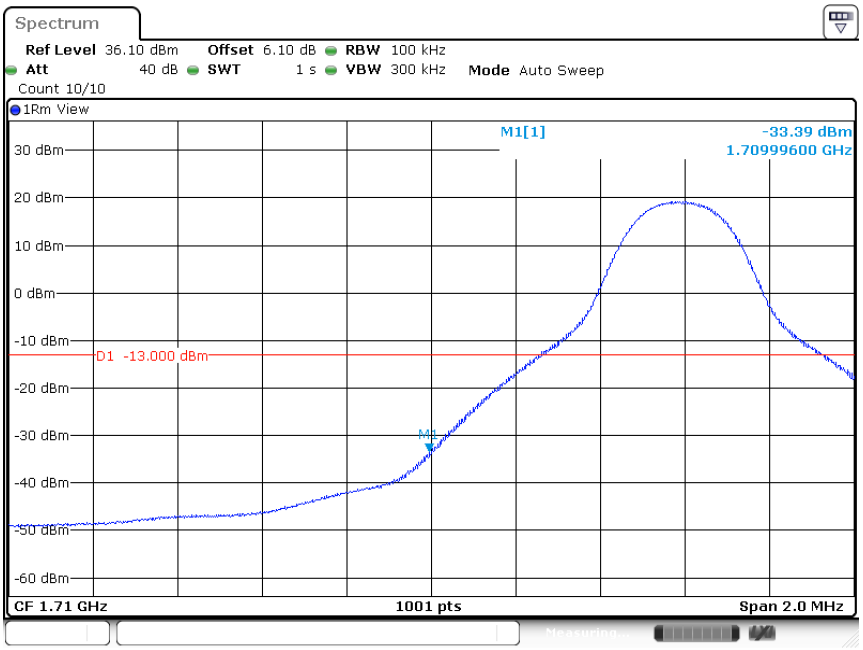
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-10MHz-64QAM-20350-50RB#0



Date: 28.AUG.2020 16:29:52

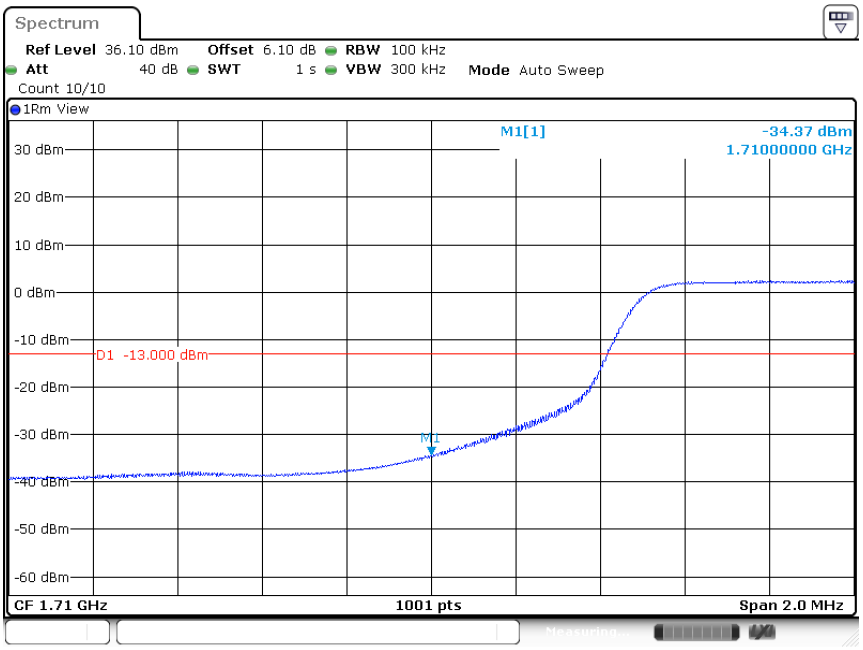
Band4-10MHz-16QAM-20000-1RB#0



Date: 12.AUG.2020 23:18:04

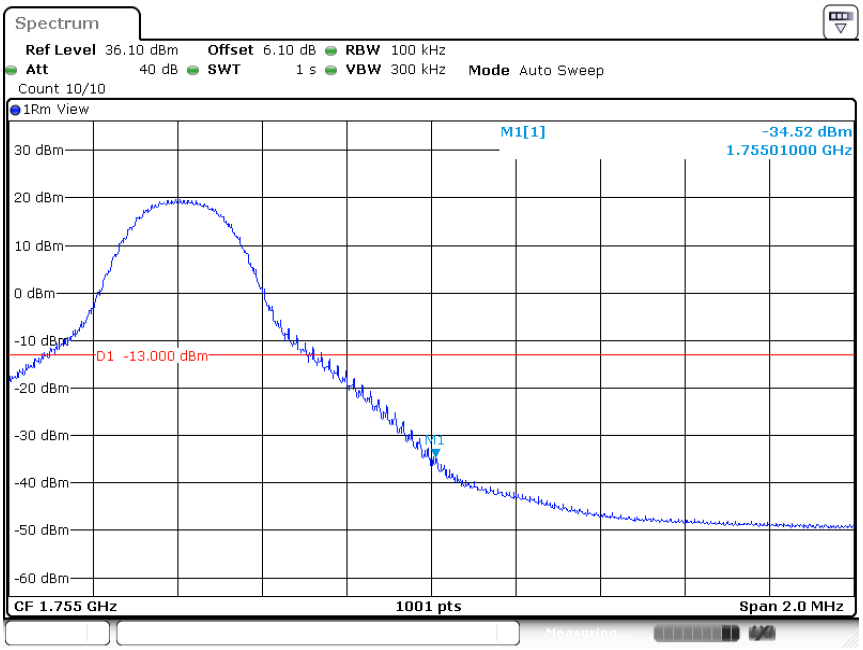
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-10MHz-16QAM-20000-50RB#0



Date: 12.AUG.2020 23:18:40

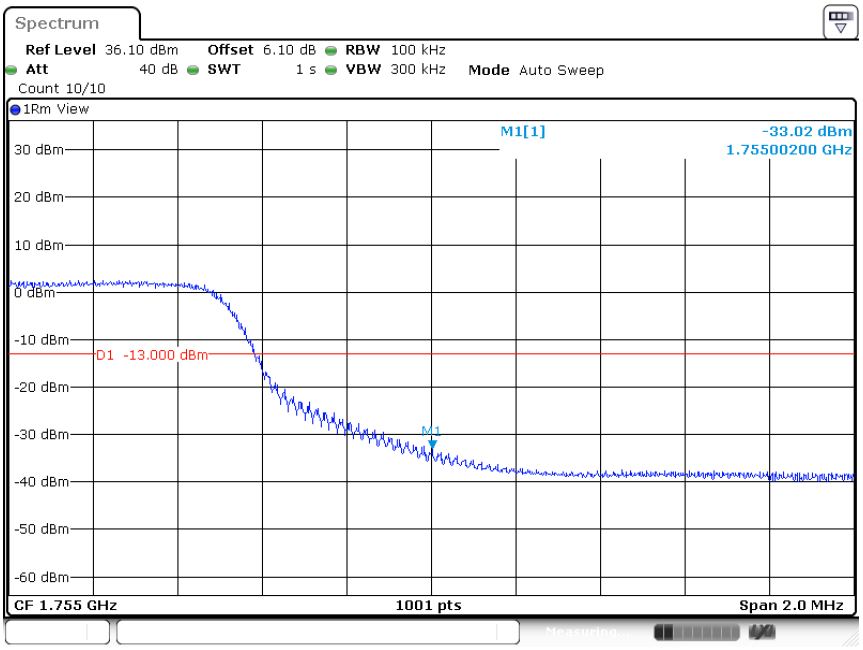
Band4-10MHz-16QAM-20350-1RB#49



Date: 12.AUG.2020 23:19:16

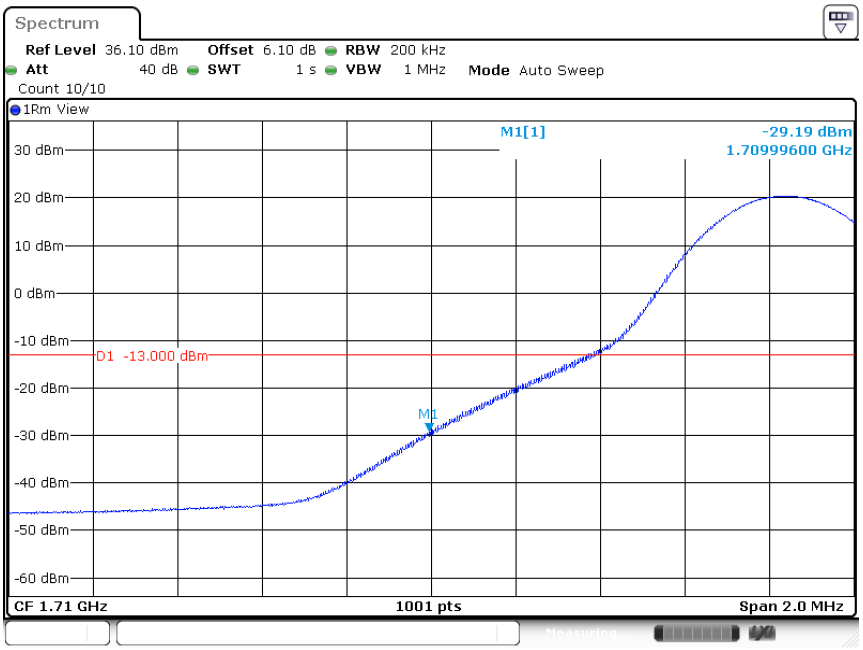
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-10MHz-16QAM-20350-50RB#0



Date: 12.AUG.2020 23:19:51

Band4-15MHz-QPSK-20025-1RB#0

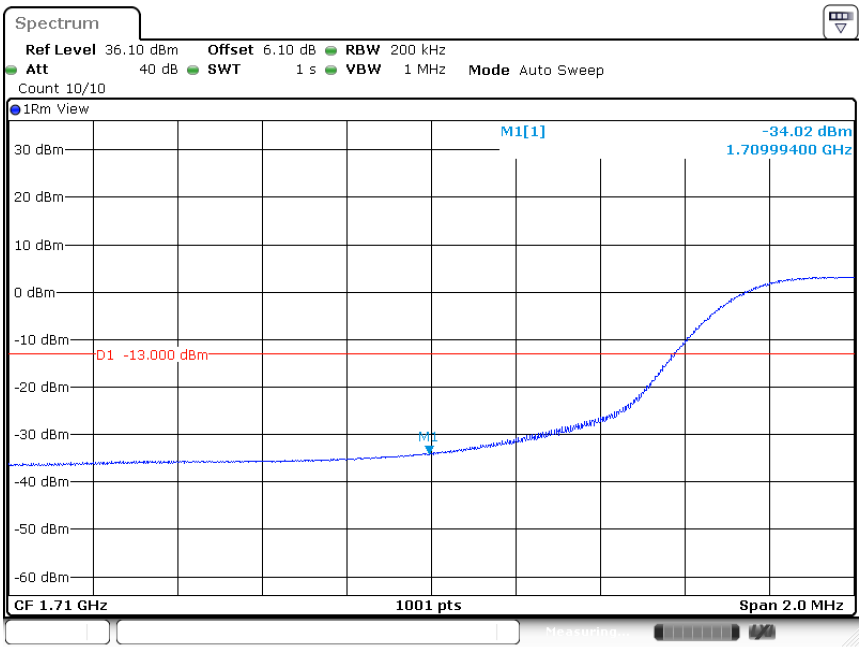


Date: 12.AUG.2020 23:20:10

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

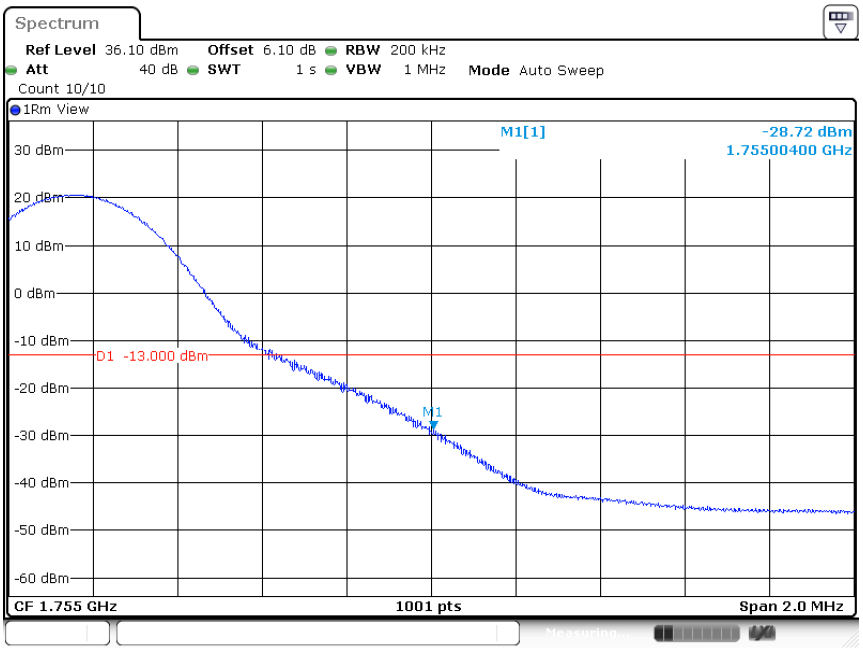
SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch Testing Center EEC Laboratory.
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755)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

Band4-15MHz-QPSK-20025-75RB#0



Date: 12.AUG.2020 23:20:46

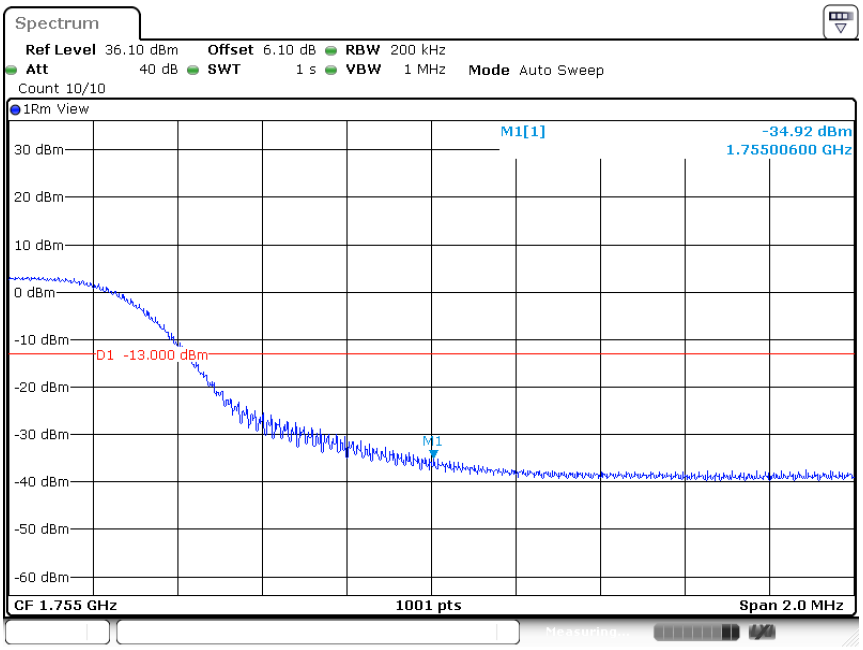
Band4-15MHz-QPSK-20325-1RB#74



Date: 12.AUG.2020 23:21:22

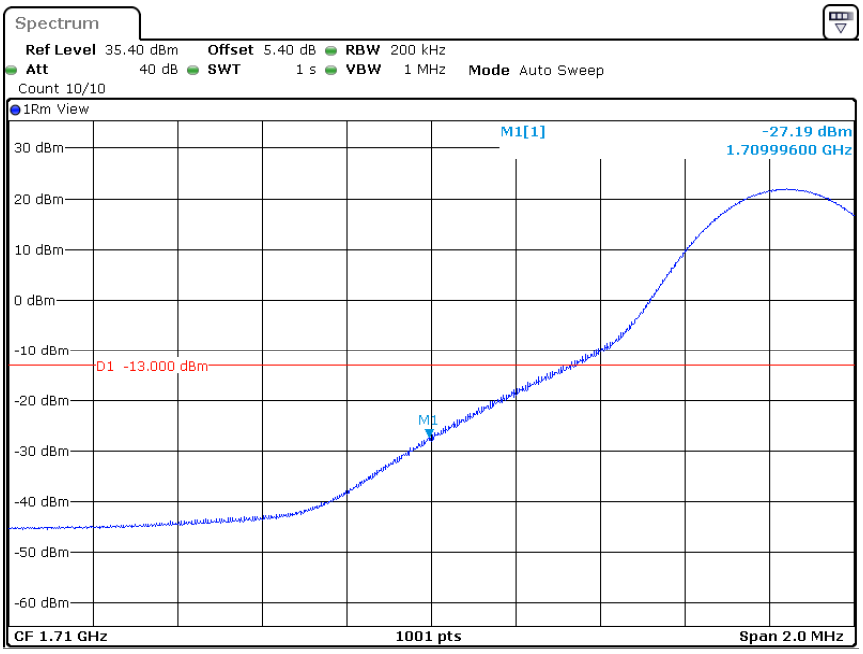
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-15MHz-QPSK-20325-75RB#0



Date: 12.AUG.2020 23:21:57

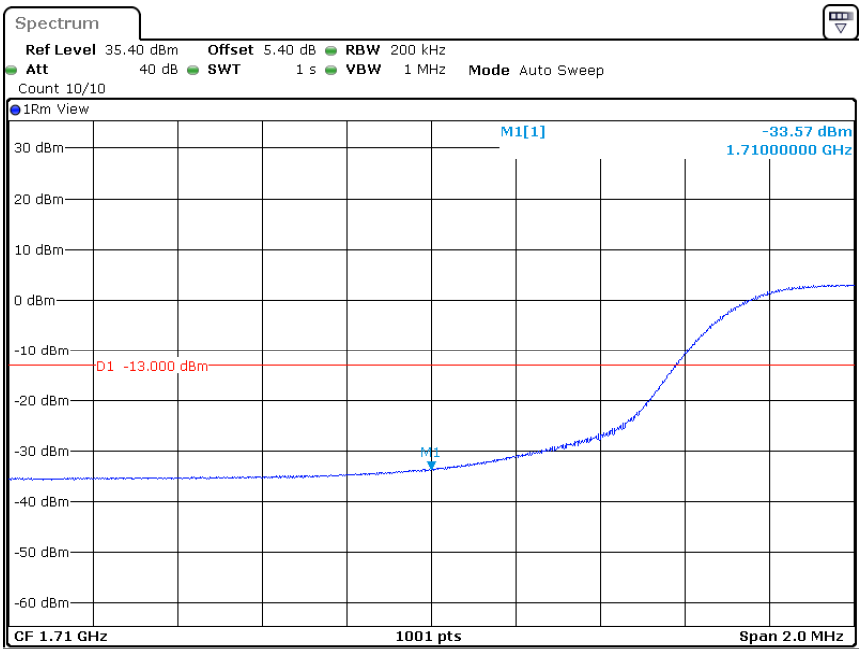
Band4-15MHz-64QAM-20025-1RB#0



Date: 28.AUG.2020 16:30:20

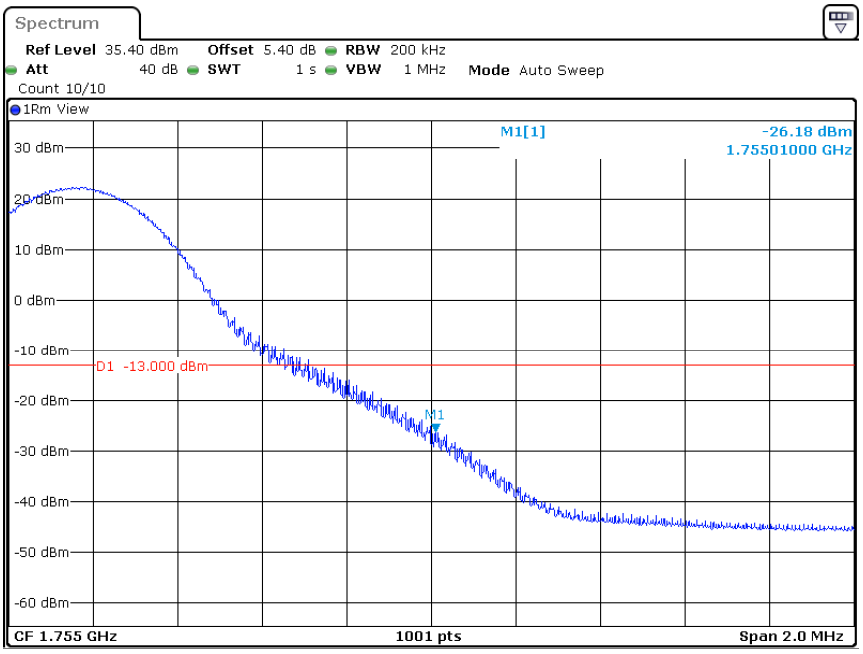
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-15MHz-64QAM-20025-75RB#0



Date: 28.AUG.2020 16:30:40

Band4-15MHz-64QAM-20325-1RB#74

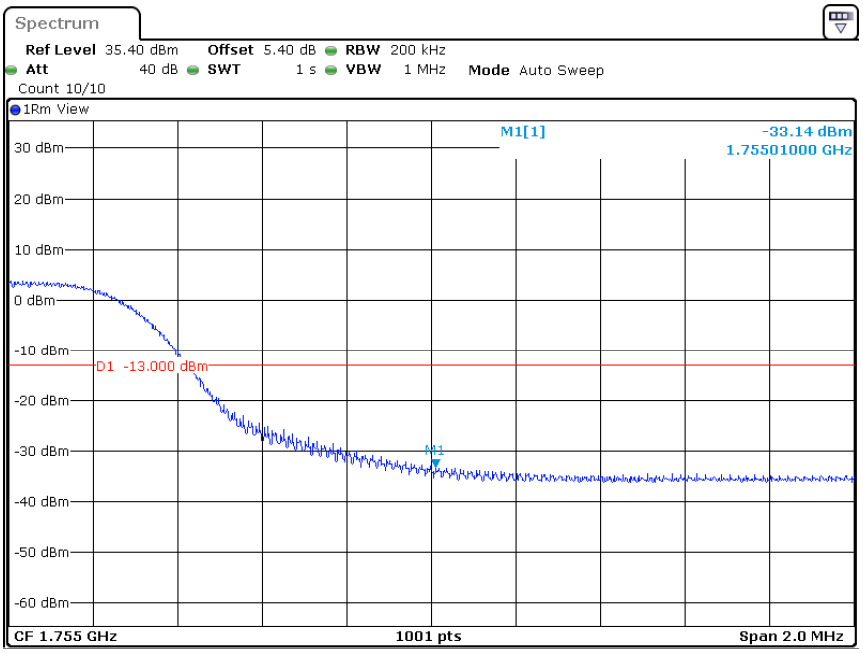


Date: 28.AUG.2020 16:31:06

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

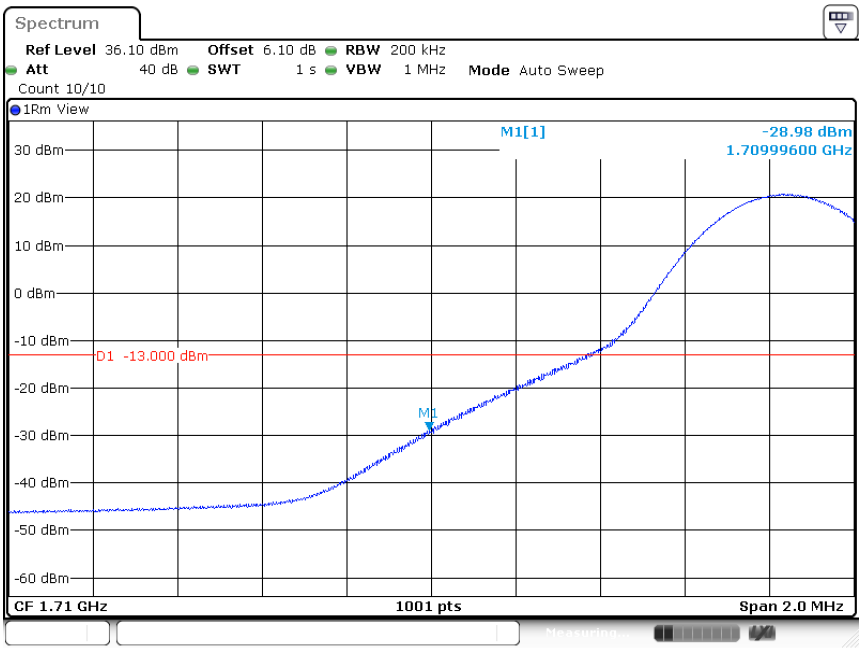
SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch Testing Center EEC Laboratory.
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755)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

Band4-15MHz-64QAM-20325-75RB#0



Date: 28.AUG.2020 16:31:27

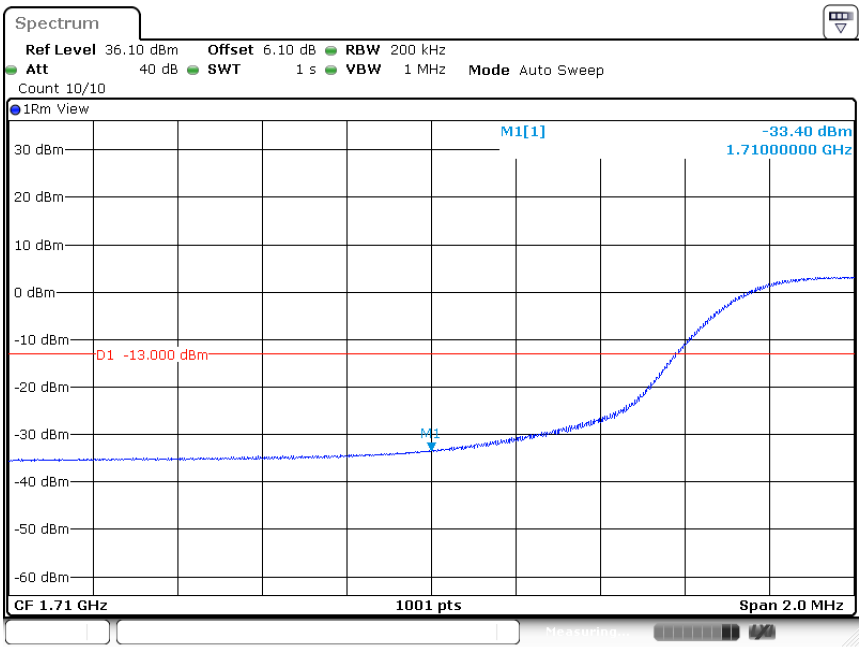
Band4-15MHz-16QAM-20025-1RB#0



Date: 12.AUG.2020 23:20:28

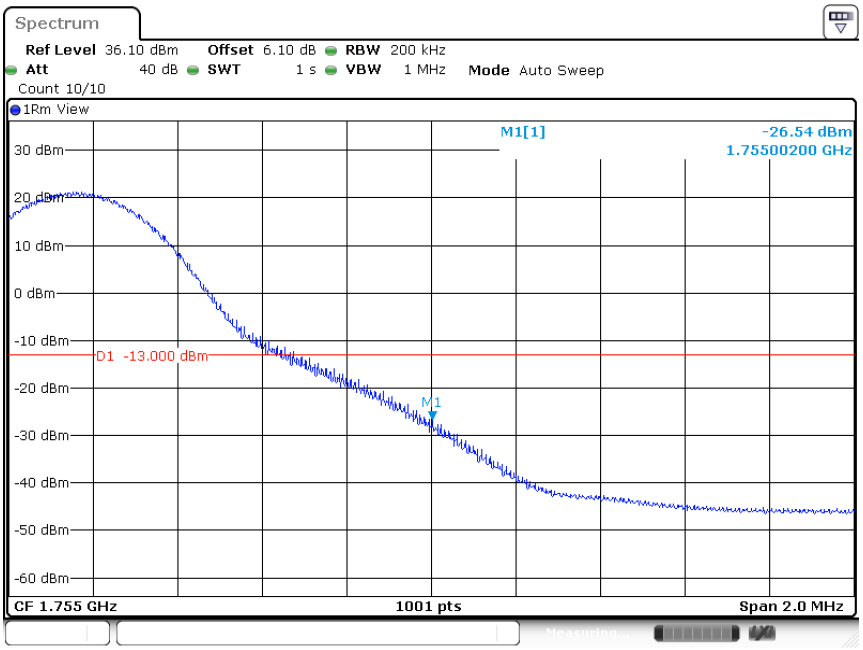
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-15MHz-16QAM-20025-75RB#0



Date: 12.AUG.2020 23:21:04

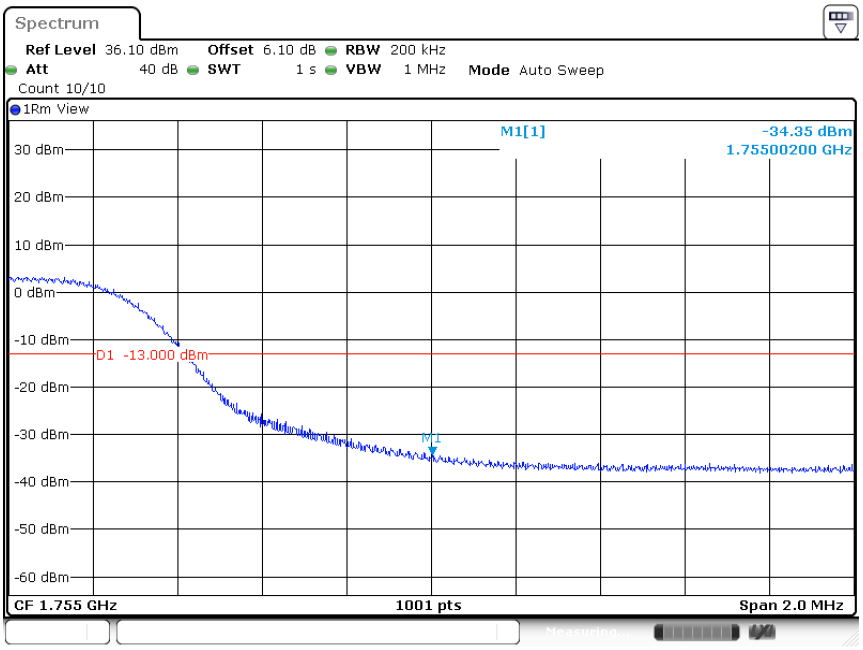
Band4-15MHz-16QAM-20325-1RB#74



Date: 12.AUG.2020 23:21:40

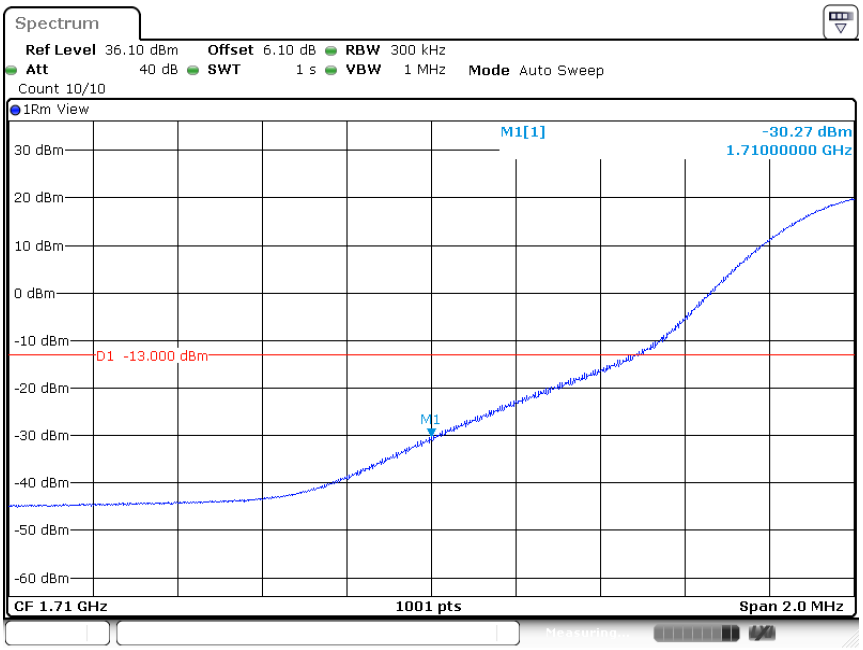
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-15MHz-16QAM-20325-75RB#0



Date: 12.AUG.2020 23:22:15

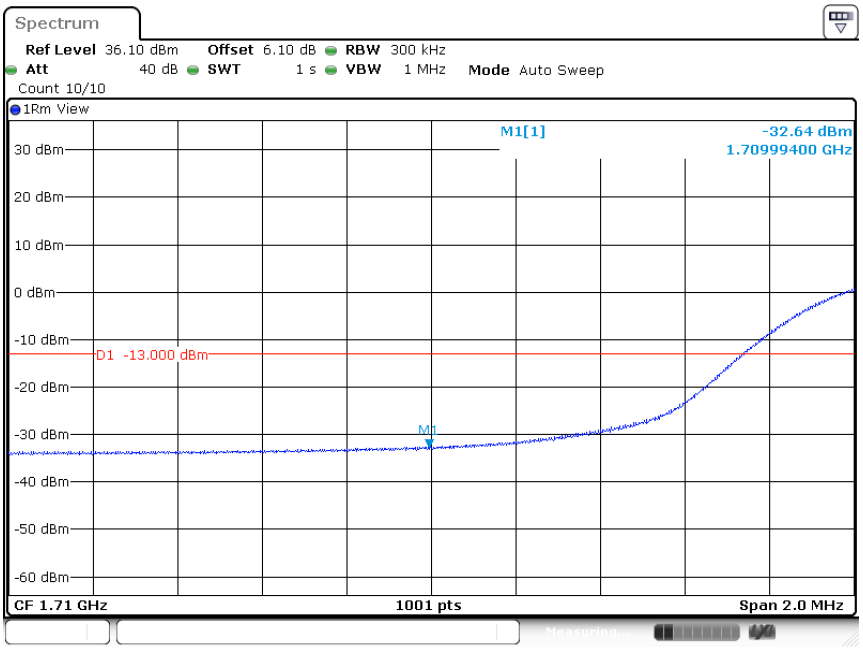
Band4-20MHz-QPSK-20050-1RB#0



Date: 12.AUG.2020 23:22:34

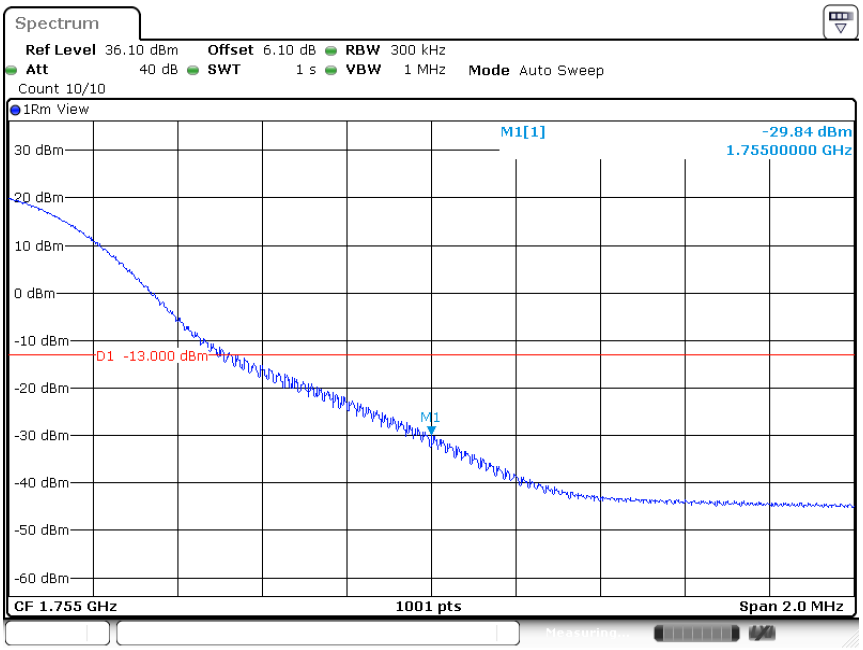
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20050-100RB#0



Date: 12.AUG.2020 23:23:09

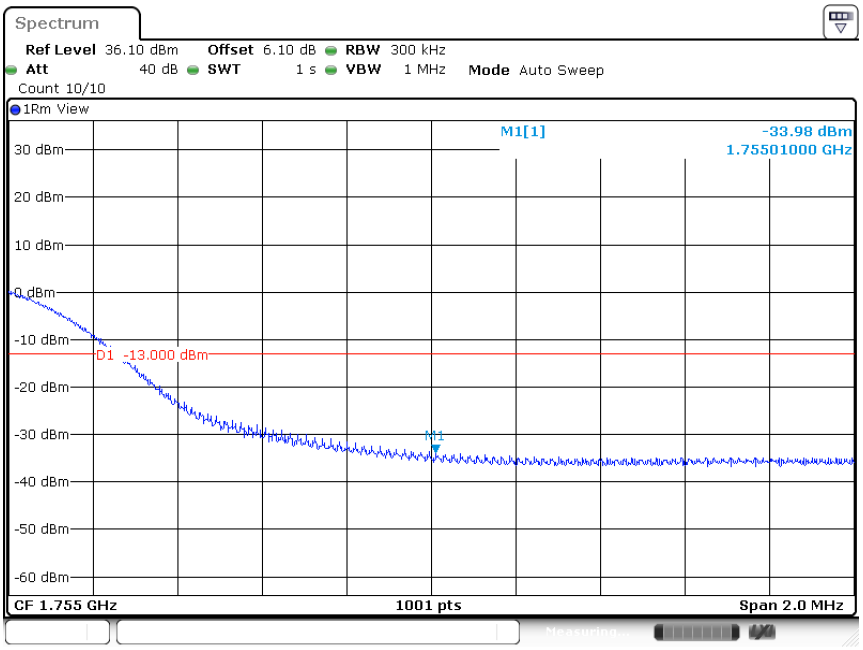
Band4-20MHz-QPSK-20300-1RB#99



Date: 12.AUG.2020 23:23:46

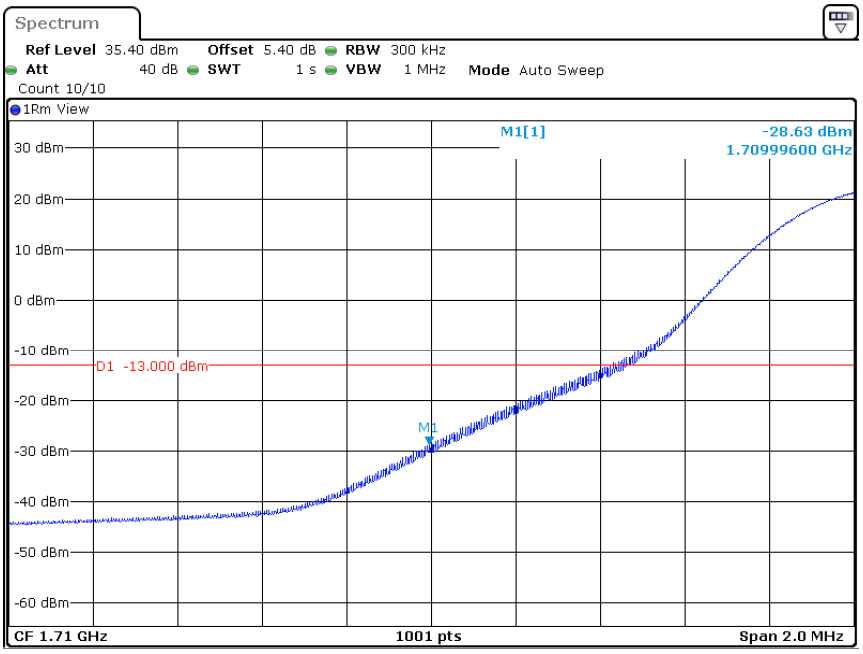
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20300-100RB#0



Date: 12.AUG.2020 23:24:21

Band4-20MHz-64QAM-20050-1RB#0



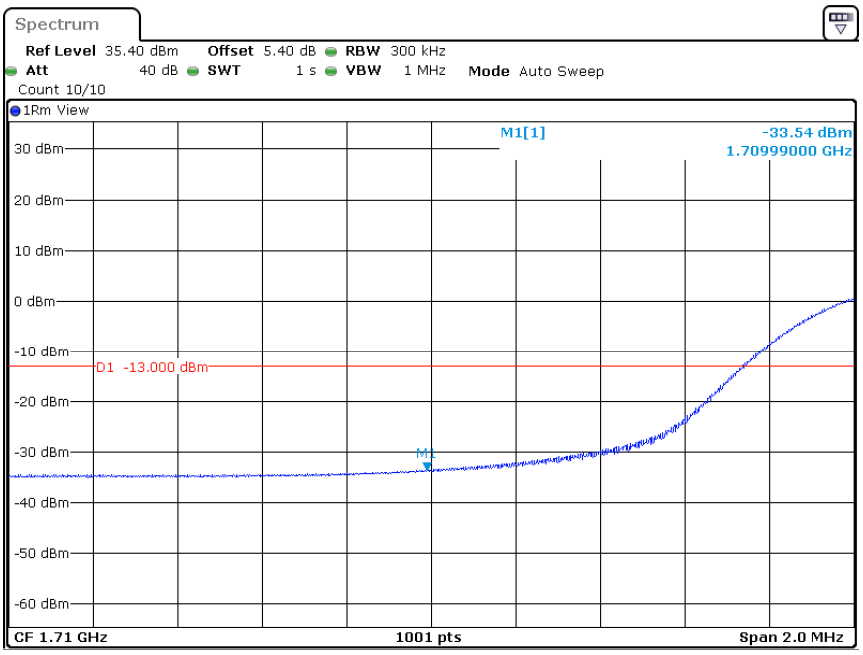
Date: 28.AUG.2020 16:31:54

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

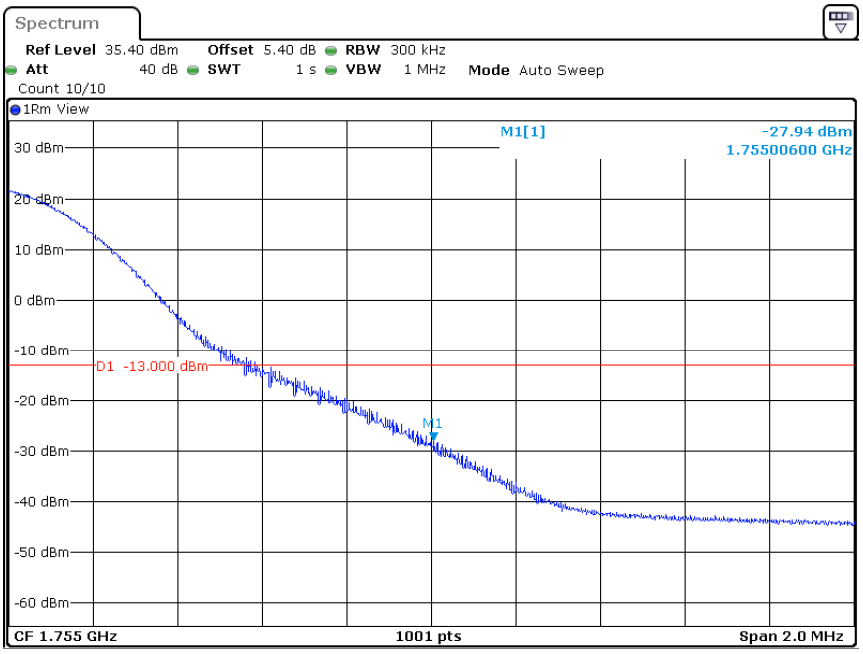
Member of the SGS Group (SGS SA)

Band4-20MHz-64QAM-20050-100RB#0



Date: 28.AUG.2020 16:32:15

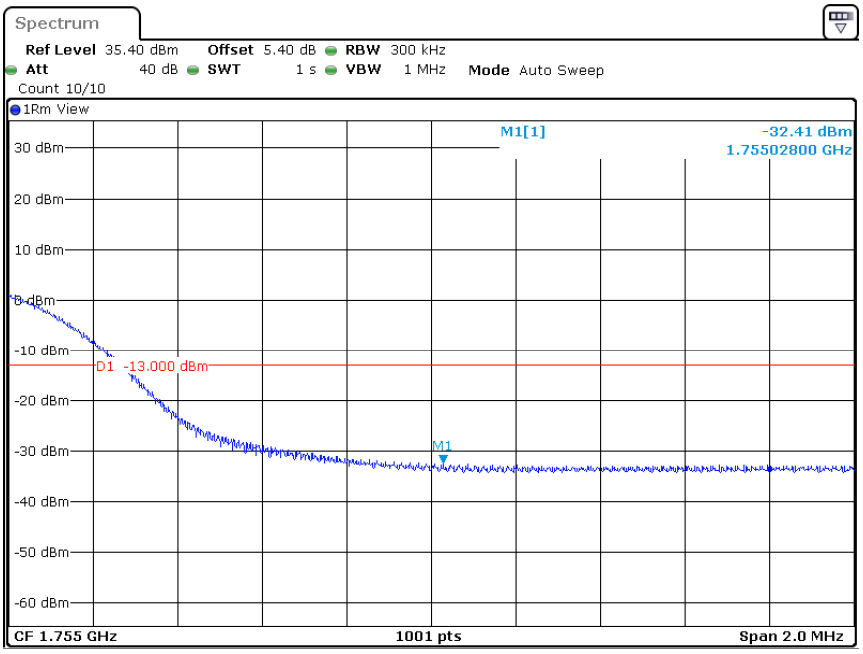
Band4-20MHz-64QAM-20300-1RB#99



Date: 28.AUG.2020 16:32:41

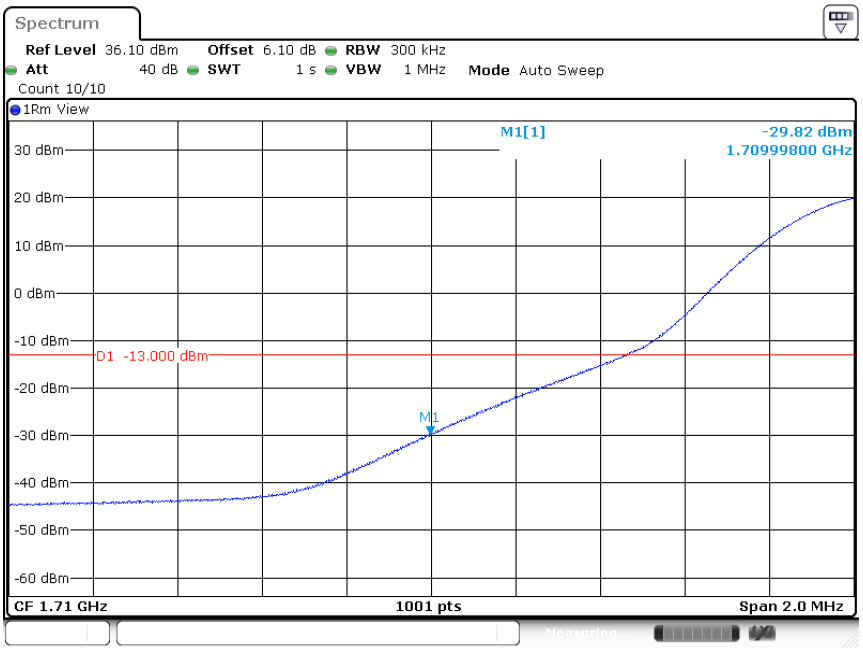
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-64QAM-20300-100RB#0



Date: 28.AUG.2020 16:33:01

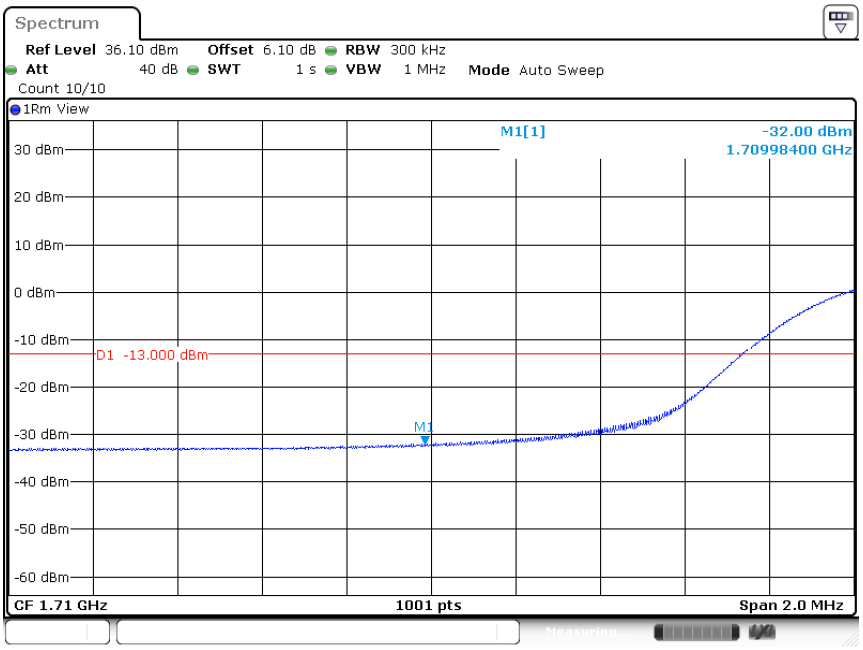
Band4-20MHz-16QAM-20050-1RB#0



Date: 12.AUG.2020 23:22:52

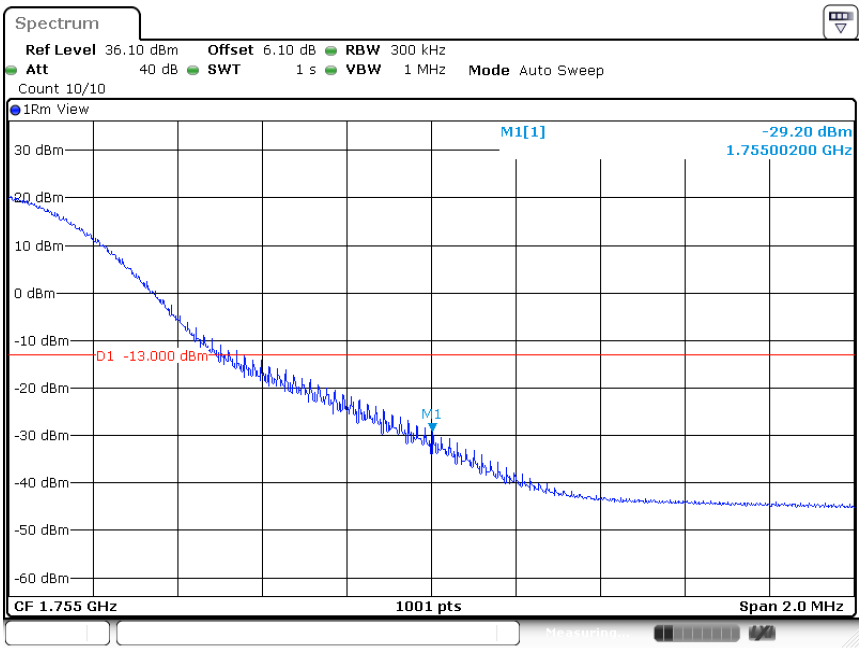
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-16QAM-20050-100RB#0



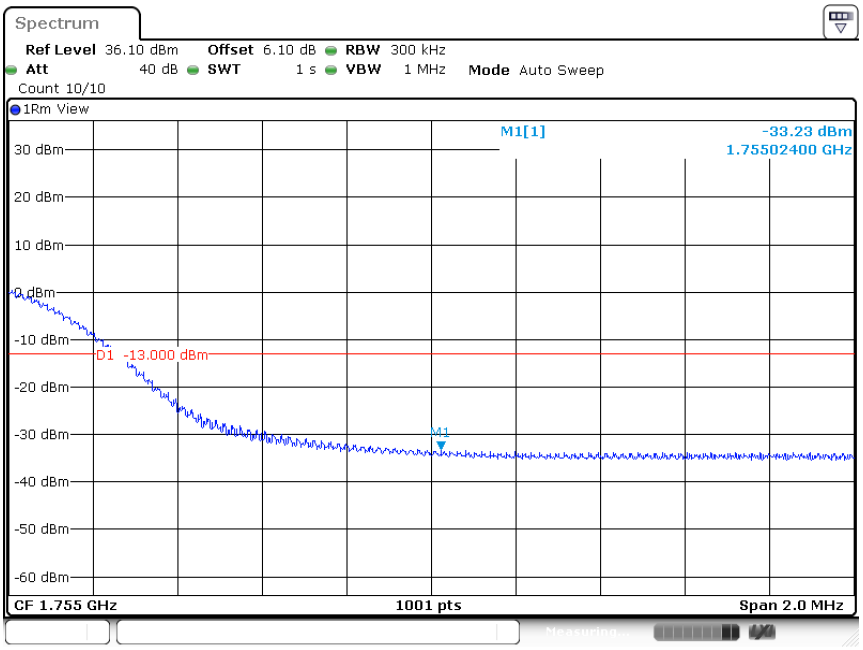
Date: 12.AUG.2020 23:23:27

Band4-20MHz-16QAM-20300-1RB#99



Date: 12.AUG.2020 23:24:03

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
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)

Band4-20MHz-16QAM-20300-100RB#0


Date: 12.AUG.2020 23:24:38

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

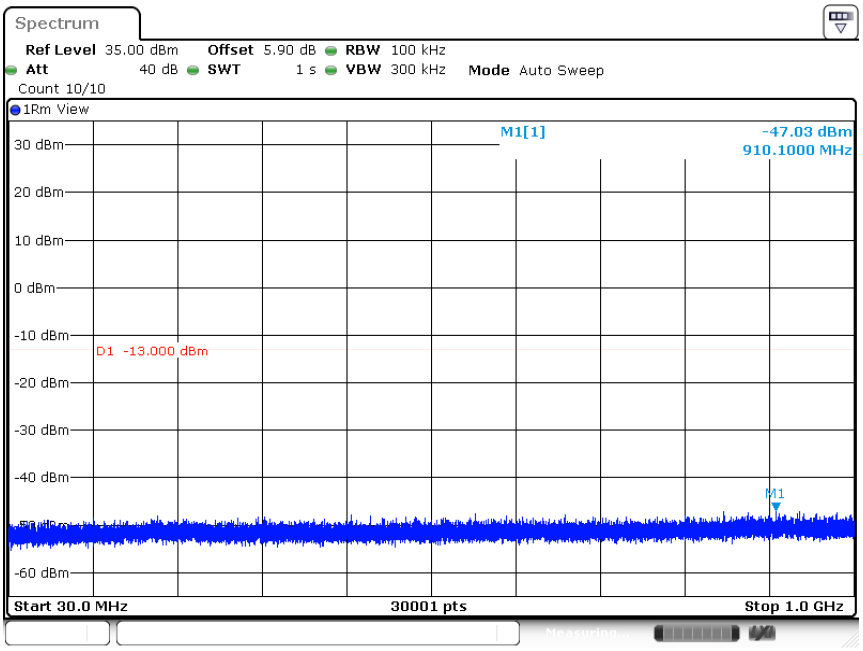
6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Plots

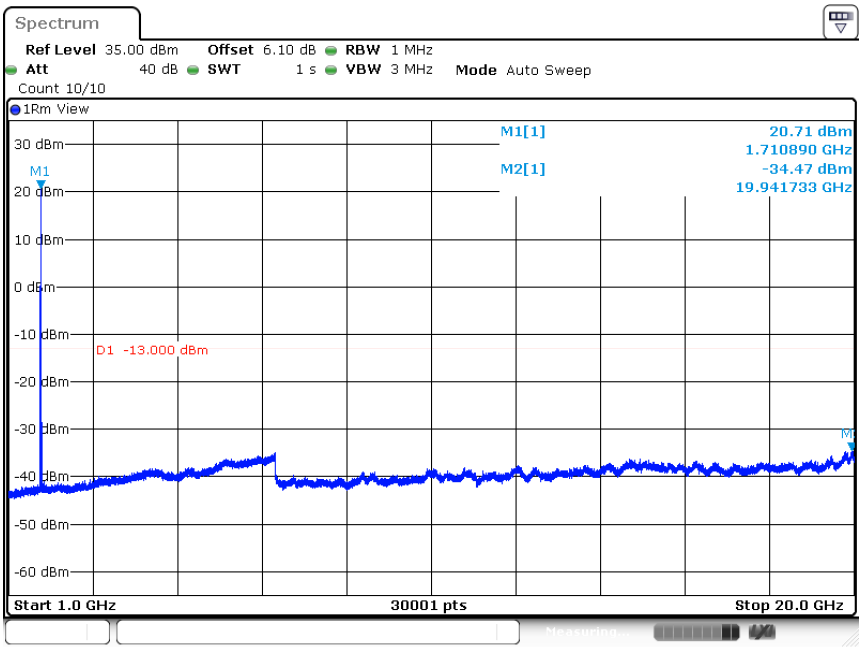
Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 23:24:55

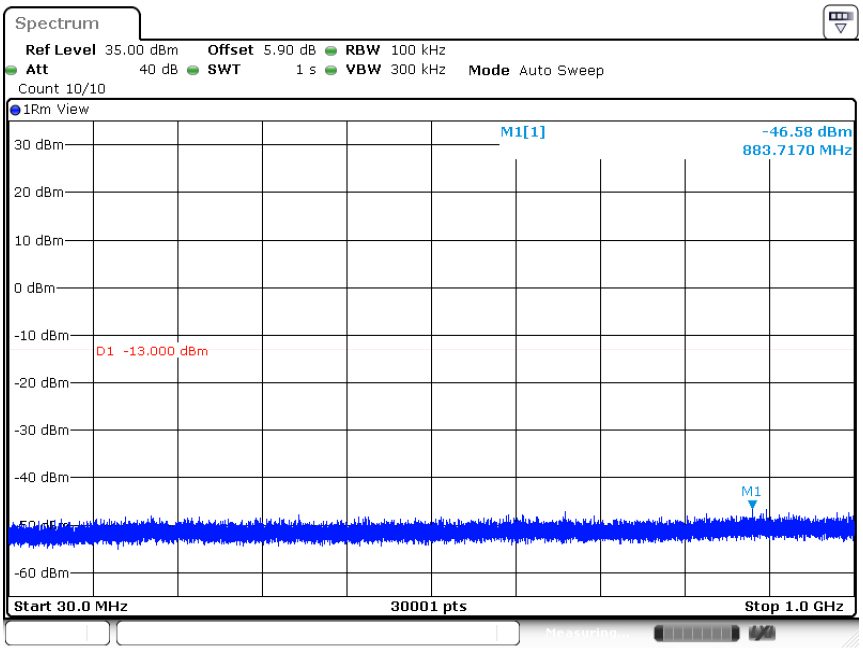
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:25:12

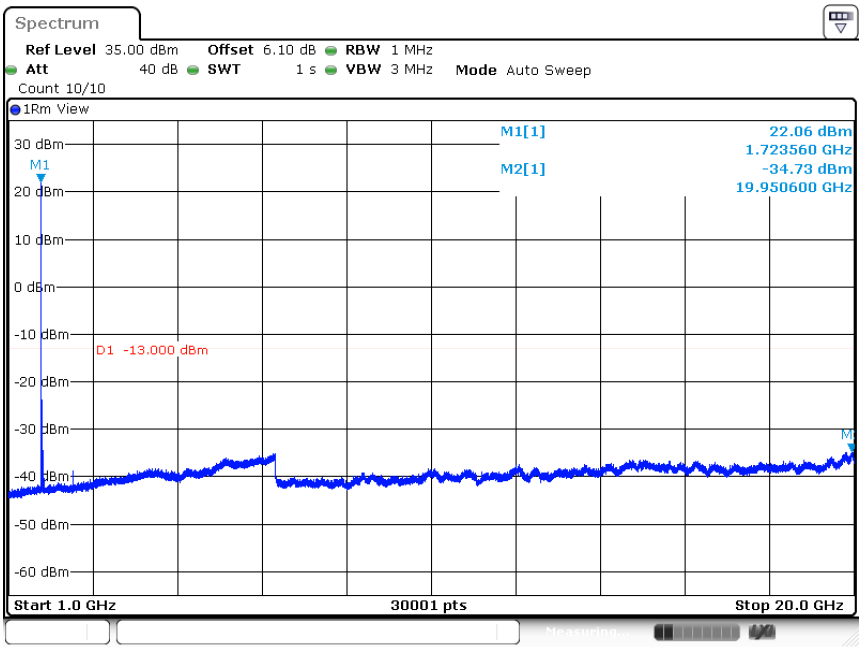
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 23:26:00

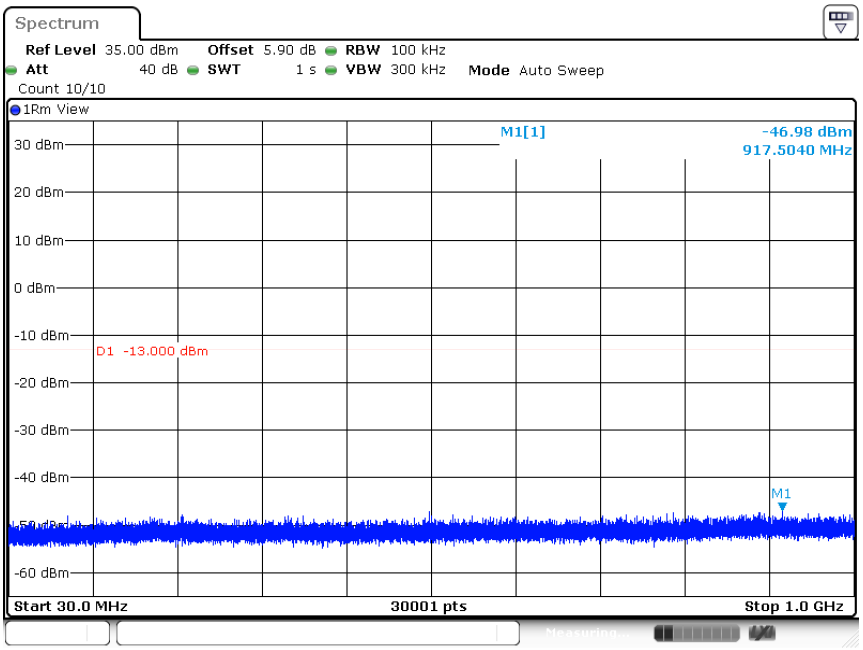
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:26:16

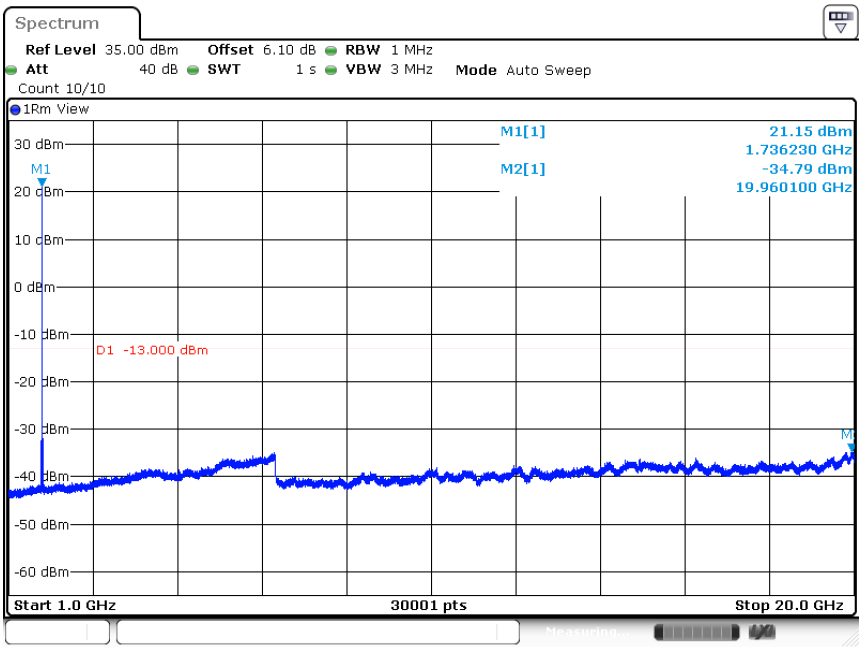
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 23:27:04

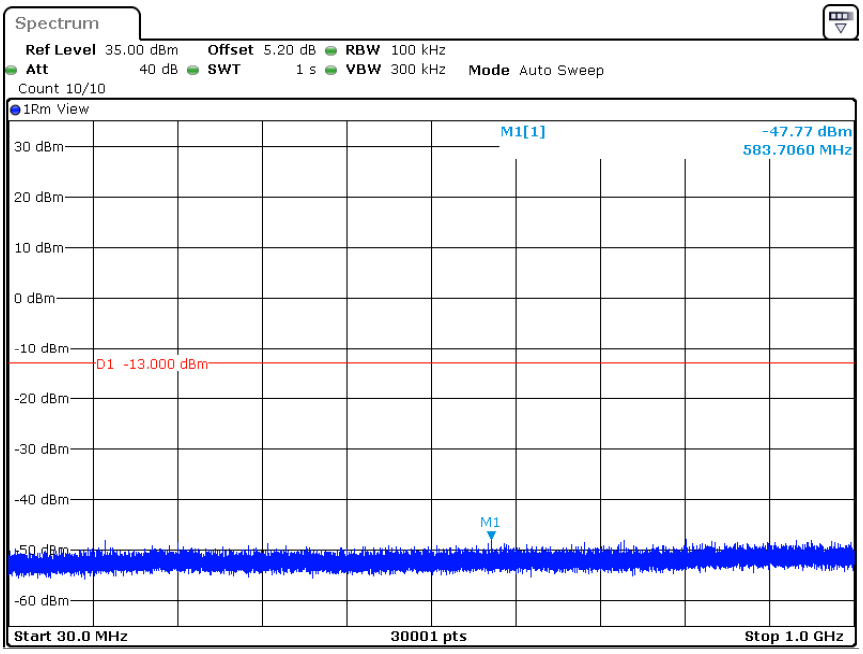
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:27:20

Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz



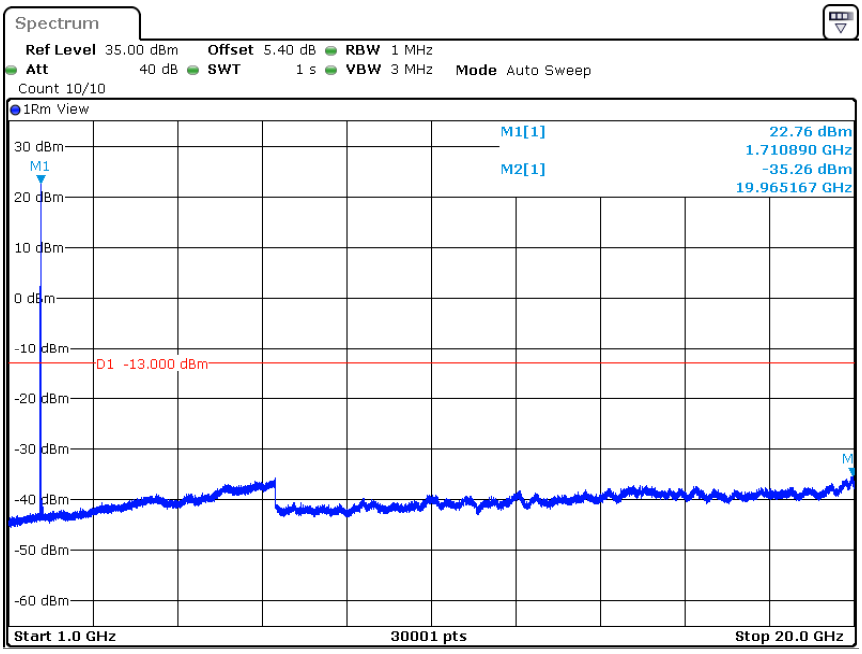
Date: 28.AUG.2020 16:33:26

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

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

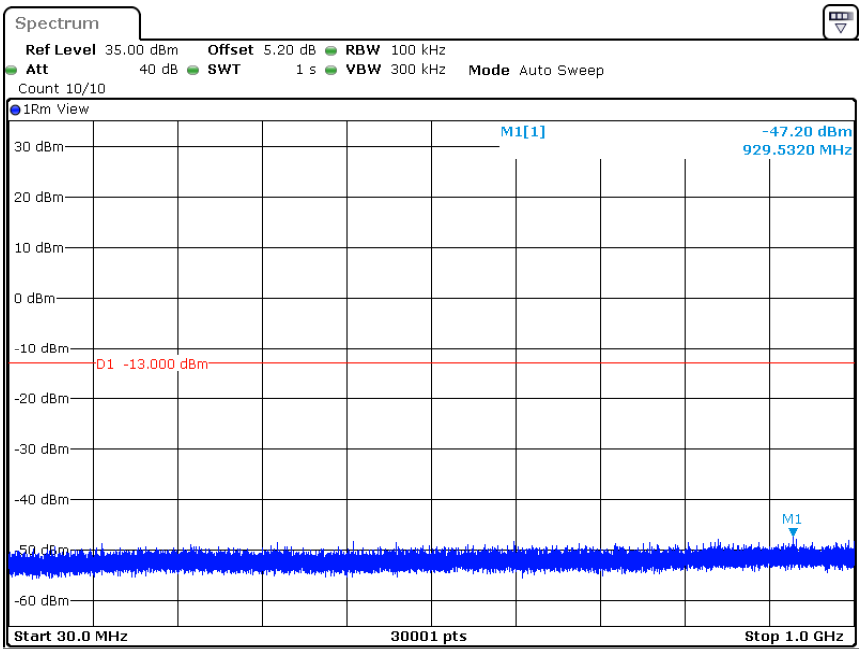
Member of the SGS Group (SGS SA)

Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 28.AUG.2020 16:33:42

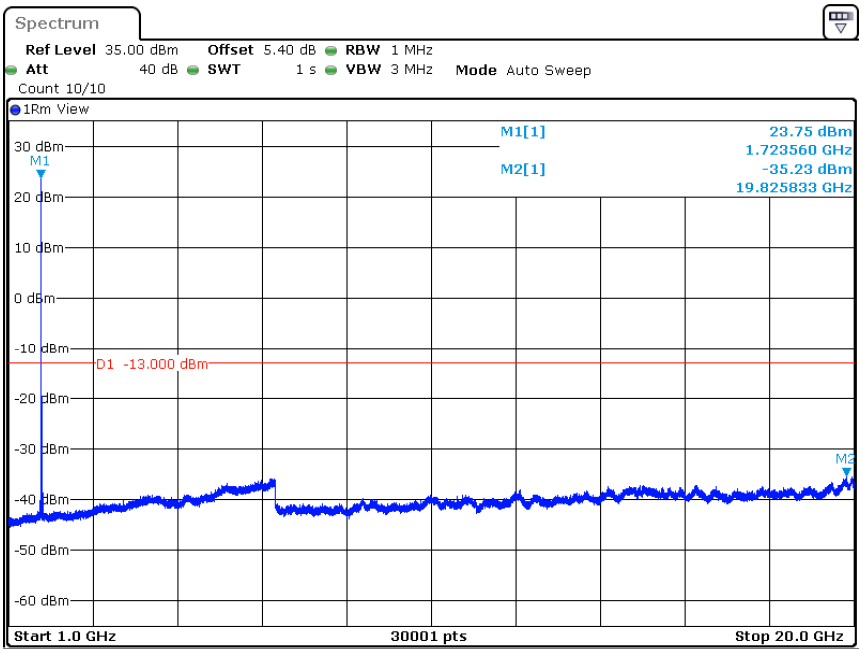
Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz



Date: 28.AUG.2020 16:34:01

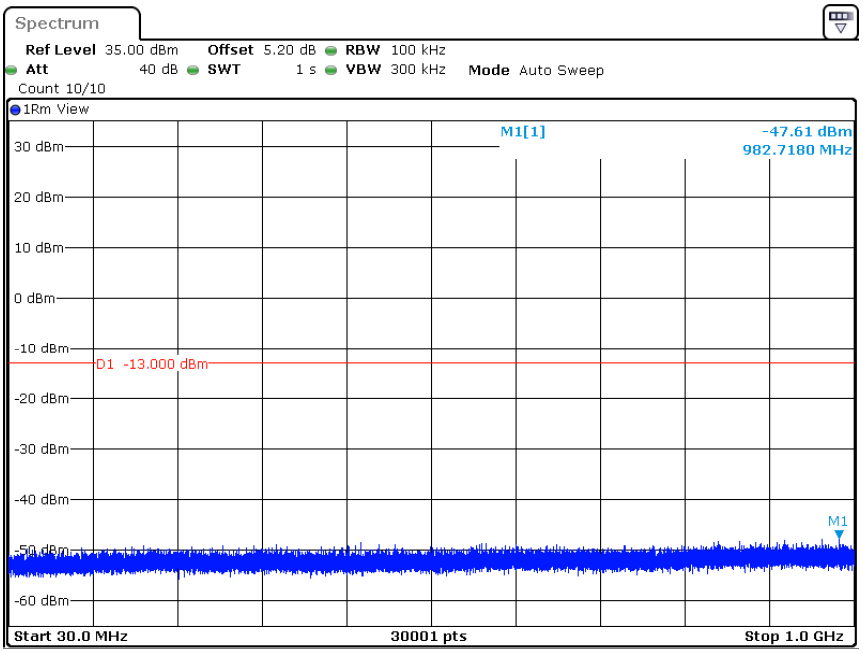
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 28.AUG.2020 16:34:17

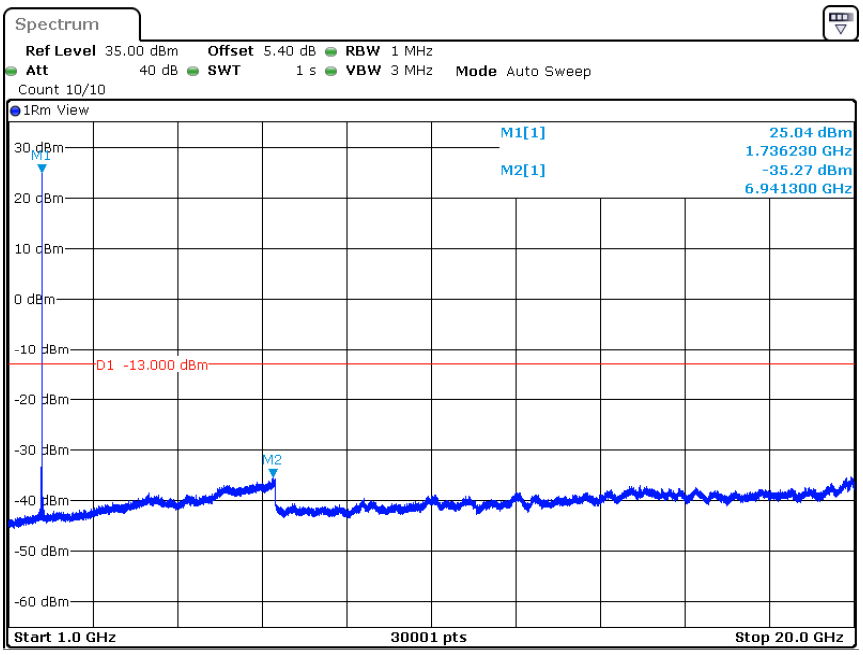
Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz



Date: 28.AUG.2020 16:34:36

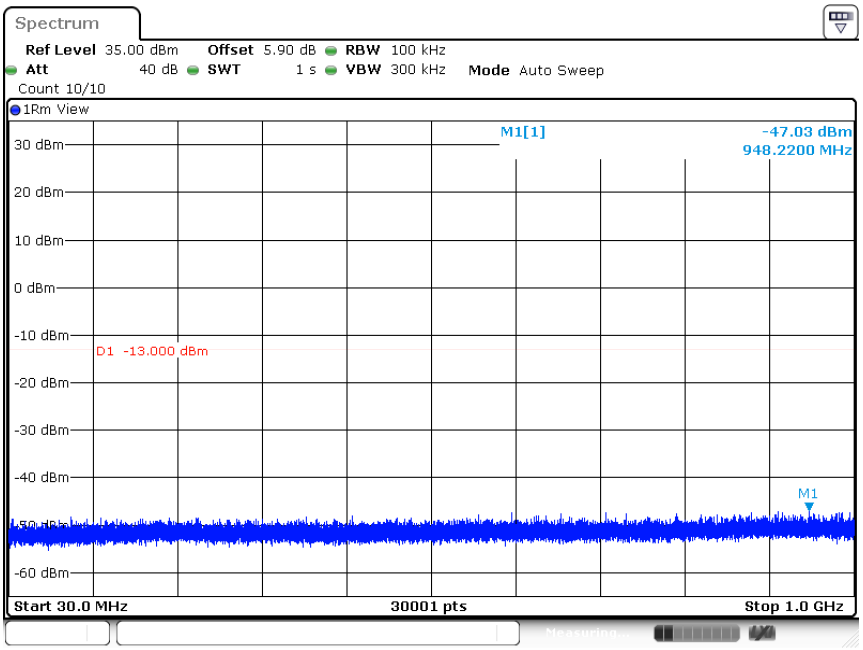
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 28.AUG.2020 16:34:53

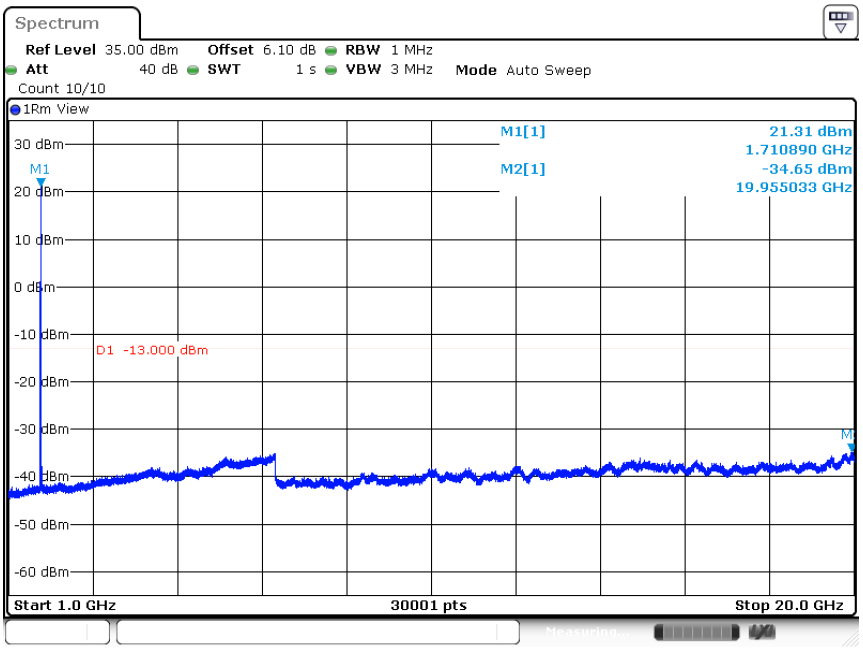
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 23:25:27

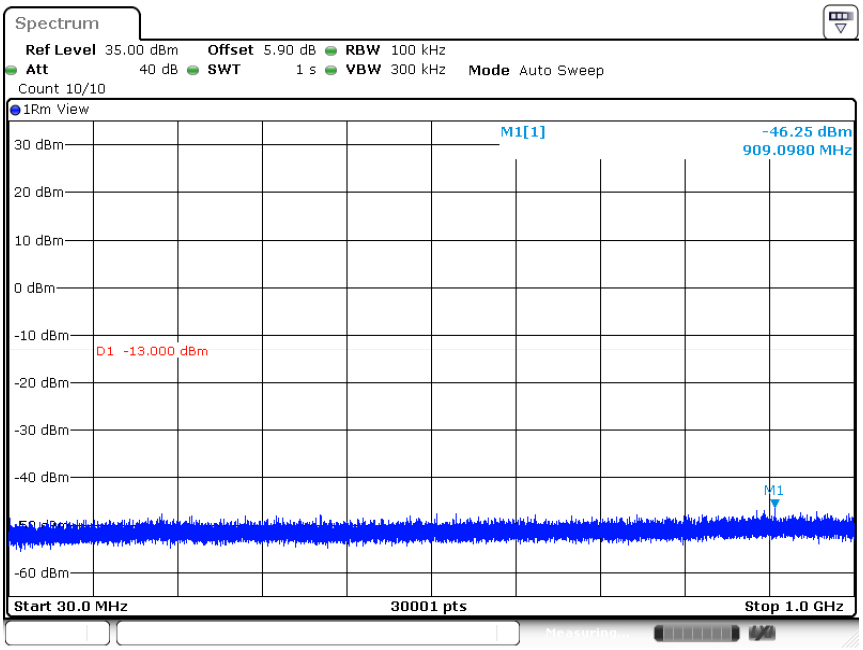
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:25:44

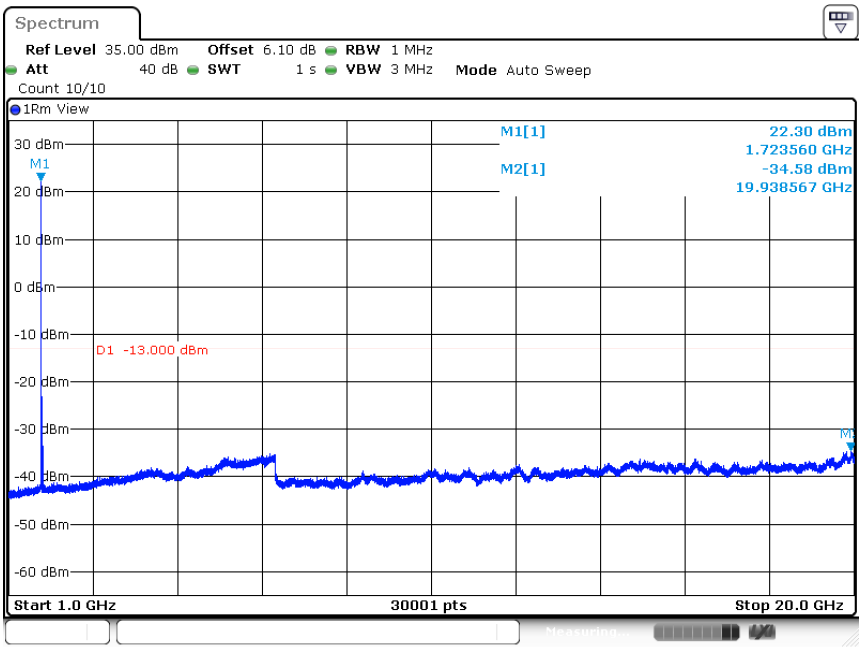
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 23:26:32

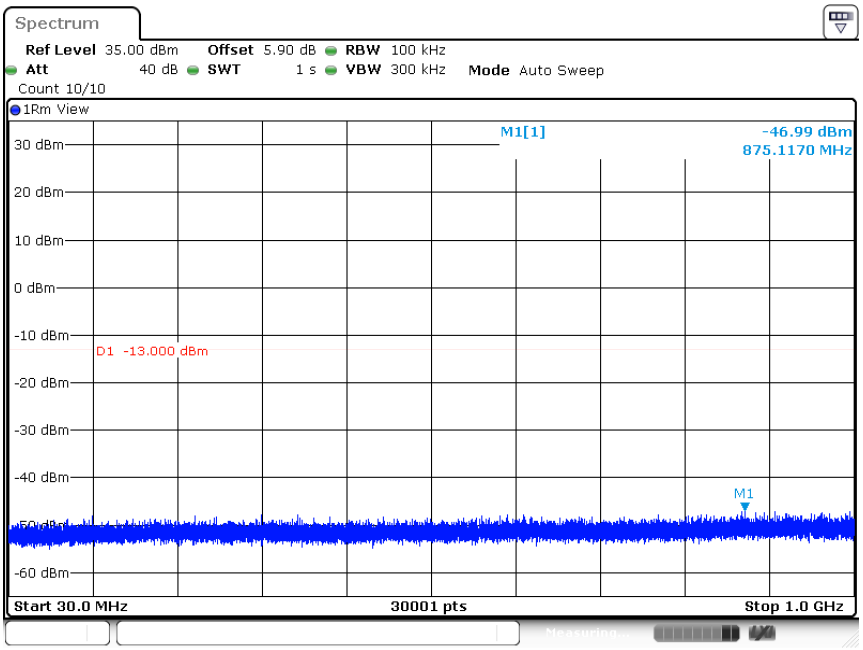
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:26:48

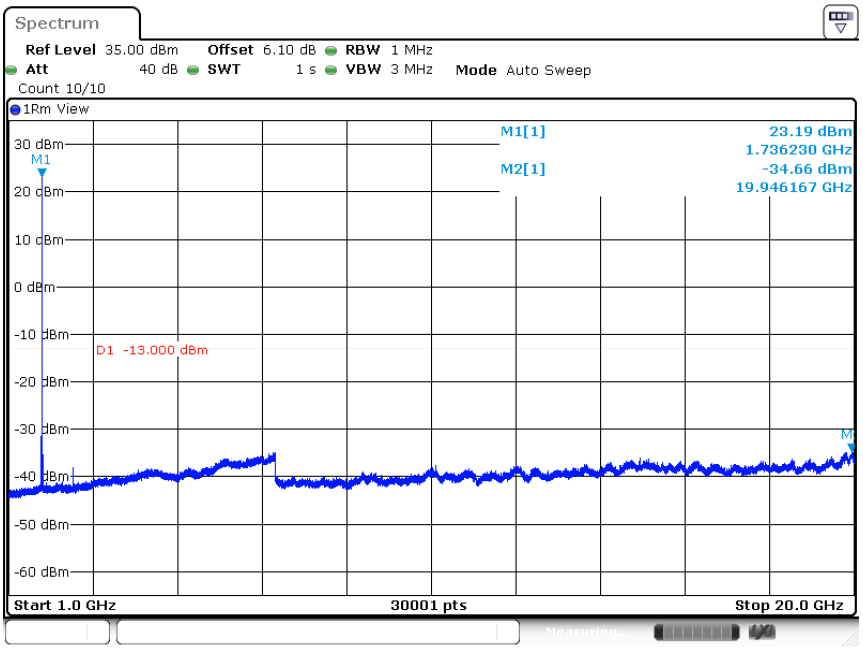
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 23:27:36

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

Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:27:52

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

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

Member of the SGS Group (SGS SA)

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
116.1403	-65.21	-13.00	52.21	Vertical
668.1464	-64.14	-13.00	51.14	Vertical
2699.1398	-36.98	-13.00	23.98	Vertical
3422.5141	-60.01	-13.00	47.01	Vertical
14460.3820	-47.40	-13.00	34.40	Vertical
17999.0000	-39.92	-13.00	26.92	Vertical
40.2825	-64.23	-13.00	51.23	Horizontal
236.8143	-68.93	-13.00	55.93	Horizontal
2703.5407	-35.76	-13.00	22.76	Horizontal
3422.5141	-48.99	-13.00	35.99	Horizontal
11233.7745	-51.75	-13.00	38.75	Horizontal
16393.4464	-43.68	-13.00	30.68	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.8004	-71.47	-13.00	58.47	Vertical
109.6895	-65.53	-13.00	52.53	Vertical
418.7954	-68.51	-13.00	55.51	Vertical
3447.0149	-58.31	-13.00	45.31	Vertical
8042.1681	-55.88	-13.00	42.88	Vertical
17998.5000	-39.32	-13.00	26.32	Vertical
44.5022	-64.55	-13.00	51.55	Horizontal
237.3964	-68.87	-13.00	55.87	Horizontal
491.9856	-67.24	-13.00	54.24	Horizontal
3447.0149	-47.20	-13.00	34.20	Horizontal
7448.6483	-55.92	-13.00	42.92	Horizontal
16382.4461	-43.90	-13.00	30.90	Horizontal

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

7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.6249	-70.15	-13.00	57.15	Vertical
118.0319	-64.89	-13.00	51.89	Vertical
387.2689	-68.13	-13.00	55.13	Vertical
3472.5158	-61.33	-13.00	48.33	Vertical
7339.6447	-55.86	-13.00	42.86	Vertical
17999.0000	-40.09	-13.00	27.09	Vertical
41.8831	-64.48	-13.00	51.48	Horizontal
95.4298	-75.92	-13.00	62.92	Horizontal
246.3693	-68.26	-13.00	55.26	Horizontal
3472.0157	-52.11	-13.00	39.11	Horizontal
8012.1671	-56.08	-13.00	43.08	Horizontal
16369.9457	-43.71	-13.00	30.71	Horizontal

Remark:

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

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

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

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

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

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

8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	1.30	0.000756	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	3.60	0.002093	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	4.00	0.002326	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	2.70	0.001558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1.30	0.000750	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.90	0.000519	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	3.00	0.001744	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	4.60	0.002674	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	4.20	0.002442	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	2.60	0.001501	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-0.50	-0.000287	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.80	0.002209	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	0.30	0.000174	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	3.00	0.001732	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-1.00	-0.000573	±2.5	PASS

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

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	2.20	0.001279	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	4.20	0.002442	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	2.00	0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	2.70	0.001570	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	2.40	0.001395	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	4.20	0.002442	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1.40	0.000814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	0.30	0.000174	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.90	0.001097	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	1.80	0.001039	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.00	0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	2.40	0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	2.70	0.001558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	2.50	0.001443	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	2.20	0.001270	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.10	0.001212	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	0.10	0.000057	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-1.50	-0.000860	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	4.30	0.002500	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	4.40	0.002558	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	3.10	0.001802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	2.30	0.001337	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	4.50	0.002616	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	2.70	0.001570	±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
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)

Band4	20MHz	64QAM	20050	100RB#0	NV	40	1.60	0.000930	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	2.00	0.001163	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	2.00	0.001154	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	1.10	0.000635	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	1.80	0.001039	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	0.90	0.000519	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	2.20	0.001270	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	1.40	0.000814	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	4.10	0.002384	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.50	0.002035	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	1.80	0.001047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	2.10	0.001221	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	3.20	0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.70	0.000407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.60	0.001512	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	2.40	0.001385	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	2.30	0.001328	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	1.00	0.000577	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	1.30	0.000750	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.80	0.000462	±2.5	PASS

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

Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-1.30	-0.000745	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-3.90	-0.002235	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-4.60	-0.002636	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-0.60	-0.000344	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-3.80	-0.002178	±2.5	PASS

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