



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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER	4
1.1. TEST RESULT FOR DOWN ANT.....	4
1.2. TEST RESULT FOR UP ANT	15
2. PEAK-TO-AVERAGE RATIO (CCDF)	28
2.1. TEST RESULT	28
2.2. TEST PLOTS.....	28
3. MODULATION CHARACTERISTICS	33
3.1. TEST MODE = LTE /TM1 20MHZ.....	33
3.1.1. TEST CHANNEL = MCH	33
3.2. TEST MODE = LTE /TM2 20MHZ.....	34
3.2.1. TEST CHANNEL = MCH	34
3.3. TEST MODE = LTE /TM3 20MHZ.....	35
3.3.1. TEST CHANNEL = MCH	35
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	36
4.1. TEST RESULT	36
4.2. TEST PLOTS.....	38
5. BAND EDGE COMPLIANCE.....	65
5.1. TEST PLOTS.....	65
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	101
6.1. TEST PLOTS.....	101
7. FIELD STRENGTH OF SPURIOUS RADIATION	110
7.1. TEST MODE =LTE/TM1 (DOWN ANT)	110
7.1.1. TEST CHANNEL = LCH	110
7.1.2. TEST CHANNEL = MCH	110
7.1.3. TEST CHANNEL = HCH	111
7.2. TEST MODE =LTE/TM1 (UP ANT)	111
7.2.1. TEST CHANNEL = LCH	111
7.2.2. TEST CHANNEL = MCH	111
7.2.3. TEST CHANNEL = HCH	112



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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	113
8.1. FREQUENCY VS VOLTAGE	113
8.2. FREQUENCY VS TEMPERATURE	113



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephones: (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 for Down Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#2	22.56	23.06	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.71	23.21	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	22.67	23.17	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.67	23.17	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.86	23.36	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.76	23.26	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.88	22.38	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.75	23.25	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.85	23.35	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.70	23.20	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.82	23.32	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.83	23.33	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.87	23.37	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.81	22.31	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.67	23.17	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.85	23.35	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.73	23.23	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.72	23.22	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.83	23.33	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.76	23.26	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.74	22.24	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.09	21.59	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.43	21.93	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.31	21.81	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.26	21.76	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	21.24	21.74	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.42	21.92	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



Band4	1.4MHz	64QAM	19957	6RB#0	20.27	20.77	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.91	21.41	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.07	21.57	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.17	21.67	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.99	21.49	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.16	21.66	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.28	21.78	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.26	21.76	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.75	21.25	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.12	21.62	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.22	21.72	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.34	21.84	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	21.17	21.67	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.17	21.67	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.29	21.79	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.84	22.34	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.88	22.38	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.86	22.36	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.70	22.20	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.84	22.34	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.84	22.34	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.83	21.33	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.83	22.33	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.90	22.40	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.97	22.47	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.80	22.30	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.97	22.47	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.96	22.46	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.91	21.41	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.15	22.65	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.46	22.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.65	22.15	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.79	22.29	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band4	1.4MHz	16QAM	20393	3RB#1	21.82	22.32	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.87	22.37	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.75	21.25	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.64	23.14	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.70	23.20	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.78	23.28	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.88	22.38	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.88	22.38	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.91	22.41	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.88	22.38	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.69	23.19	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.97	23.47	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	23.45	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.91	22.41	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.92	22.42	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.95	22.45	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.92	22.42	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.82	23.32	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.72	23.22	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.86	23.36	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.79	22.29	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.89	22.39	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.90	22.40	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.88	22.38	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.83	21.33	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.07	21.57	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.99	21.49	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.17	20.67	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.18	20.68	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.20	20.70	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.13	20.63	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.88	21.38	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.06	21.56	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



Band4	3MHz	64QAM	20175	1RB#8	21.14	21.64	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	21.23	21.73	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.16	20.66	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.16	20.66	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.21	20.71	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.93	21.43	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.60	21.10	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.93	21.43	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.84	21.34	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.14	20.64	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.13	20.63	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.07	20.57	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.91	22.41	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.93	22.43	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.10	22.60	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.84	21.34	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.02	21.52	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.02	21.52	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.93	21.43	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.06	22.56	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.99	22.49	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.11	22.61	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.97	21.47	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.06	21.56	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.97	21.47	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.88	21.38	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.01	22.51	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.61	23.11	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.87	22.37	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.95	21.45	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.89	21.39	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.93	21.43	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.93	21.43	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band4	5MHz	QPSK	19975	1RB#12	22.64	23.14	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.65	23.15	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.72	23.22	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.79	22.29	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.88	22.38	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.94	22.44	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.83	22.33	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.69	23.19	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.97	23.47	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.94	23.44	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.84	22.34	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.84	22.34	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.93	22.43	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.90	22.40	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.70	23.20	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.93	23.43	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.88	23.38	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.84	22.34	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.96	22.46	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.89	22.39	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.85	22.35	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.55	22.05	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.24	21.74	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.39	21.89	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.23	20.73	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.20	20.70	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.28	20.78	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.20	20.70	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.97	21.47	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.01	21.51	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.20	21.70	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.74	21.24	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.27	20.77	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.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	5MHz	64QAM	20175	12RB#13	20.37	20.87	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.29	20.79	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.93	21.43	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.80	22.30	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.34	21.84	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.99	21.49	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.26	20.76	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.41	20.91	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.34	20.84	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.97	22.47	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.03	22.53	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.99	22.49	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.80	21.30	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.97	21.47	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.90	21.40	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.89	21.39	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.97	22.47	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.16	22.66	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.74	22.24	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.91	21.41	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.85	21.35	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.93	21.43	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.97	21.47	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.91	22.41	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.38	22.88	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.98	22.48	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.98	21.48	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.93	21.43	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.96	21.46	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.93	21.43	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.47	22.97	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.78	23.28	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.61	23.11	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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

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



Band4	10MHz	QPSK	20000	25RB#0	21.75	22.25	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.96	22.46	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.02	22.52	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.98	22.48	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.93	23.43	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.73	23.23	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.86	23.36	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.83	22.33	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.99	22.49	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.00	22.50	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.94	22.44	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.82	23.32	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.90	23.40	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.60	23.10	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.81	22.31	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.91	22.41	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.94	22.44	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.81	22.31	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.37	21.87	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.33	21.83	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.23	21.73	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.28	20.78	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.34	20.84	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.37	20.87	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.34	20.84	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.98	21.48	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.21	21.71	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.12	21.62	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	21.04	21.54	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.28	20.78	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.22	20.72	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.24	20.74	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.91	21.41	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band4	10MHz	64QAM	20350	1RB#24	21.47	21.97	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.28	21.78	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	21.17	21.67	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.42	20.92	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.27	20.77	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.20	20.70	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.55	23.05	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.57	23.07	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.26	22.76	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.92	21.42	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.00	21.50	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.01	21.51	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.00	21.50	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.20	22.70	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.14	22.64	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.43	22.93	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.89	21.39	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.98	21.48	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.08	21.58	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.98	21.48	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.37	22.87	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.14	22.64	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.63	23.13	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.98	21.48	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.01	21.51	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.99	21.49	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.91	21.41	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.05	23.55	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.00	23.50	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.98	23.48	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.08	22.58	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.08	22.58	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.01	22.51	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band4	15MHz	QPSK	20025	75RB#0	22.17	22.67	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.05	23.55	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.96	23.46	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.98	23.48	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.09	22.59	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.15	22.65	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.26	22.76	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.07	22.57	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.07	23.57	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.04	23.54	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.88	23.38	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.05	22.55	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.12	22.62	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.05	22.55	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.16	22.66	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.31	21.81	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.11	21.61	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.05	21.55	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.36	20.86	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.31	20.81	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.29	20.79	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.30	20.80	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.13	21.63	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.40	21.90	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.37	21.87	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	21.30	21.80	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.40	20.90	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.35	20.85	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.25	20.75	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.08	21.58	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.23	21.73	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.07	21.57	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	21.15	21.65	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.

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



Band4	15MHz	64QAM	20325	36RB#18	20.24	20.74	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.32	20.82	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.19	20.69	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.16	22.66	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.68	23.18	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.59	23.09	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.15	21.65	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.20	21.70	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.23	21.73	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.11	21.61	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.52	23.02	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.16	22.66	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.20	22.70	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.13	21.63	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.12	21.62	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.15	21.65	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.13	21.63	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.31	22.81	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.34	22.84	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.70	23.20	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.20	21.70	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.15	21.65	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.06	21.56	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.08	21.58	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.89	23.39	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.09	23.59	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.95	23.45	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.23	22.73	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.19	22.69	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.14	22.64	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.20	22.70	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.95	23.45	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.94	23.44	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, CSTC Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	20MHz	QPSK	20175	1RB#0	22.78	23.28	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.22	22.72	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.05	22.55	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.17	22.67	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.03	22.53	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.00	23.50	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.99	23.49	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.99	23.49	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.08	22.58	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.99	22.49	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.07	22.57	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.03	22.53	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.54	22.04	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.46	21.96	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.34	21.84	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.45	20.95	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.50	21.00	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.47	20.97	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.45	20.95	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.11	21.61	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.37	21.87	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.22	21.72	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	21.25	21.75	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.37	20.87	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.45	20.95	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.33	20.83	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.94	21.44	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.25	21.75	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.23	21.73	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	21.20	21.70	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.43	20.93	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.40	20.90	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.43	20.93	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band4	20MHz	16QAM	20050	1RB#99	21.90	22.40	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.32	22.82	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.18	22.68	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.10	21.60	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.15	21.65	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.17	21.67	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.08	21.58	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.34	22.84	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.23	22.73	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.36	22.86	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.22	21.72	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.01	21.51	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.17	21.67	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.11	21.61	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.51	23.01	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.11	22.61	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.71	23.21	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.23	21.73	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.07	21.57	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.14	21.64	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.94	21.44	30.00	PASS

1.2. Test Result for Up Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#2	22.09	22.59	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.16	22.66	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	22.25	22.75	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.29	22.79	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.27	22.77	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.28	22.78	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.59	22.09	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.15	22.65	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.19	22.69	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, CSTC Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区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	QPSK	20175	1RB#0	22.21	22.71	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.15	22.65	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.28	22.78	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.12	22.62	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.28	21.78	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.16	22.66	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.36	22.86	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.31	22.81	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.30	22.80	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.38	22.88	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.36	22.86	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.15	21.65	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.68	21.18	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.70	21.20	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.55	21.05	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.36	20.86	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.46	20.96	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.41	20.91	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.47	19.97	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.26	20.76	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.52	21.02	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.47	20.97	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.41	20.91	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.43	20.93	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.41	20.91	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.29	20.79	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.22	20.72	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.25	20.75	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.49	20.99	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.29	20.79	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.52	21.02	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.71	21.21	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.66	21.16	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.

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. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
Shenzhen Branch, CSTC Laboratory 中国·深圳·科技园中区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	19957	1RB#5	21.77	22.27	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.55	22.05	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.68	22.18	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.63	22.13	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.73	22.23	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.76	22.26	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.74	21.24	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.80	22.30	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.40	21.90	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.30	21.80	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.32	21.82	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.26	21.76	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.24	21.74	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.26	20.76	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.71	22.21	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.63	22.13	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.42	21.92	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.23	21.73	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.32	21.82	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.26	21.76	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.22	20.72	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.25	22.75	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.12	22.62	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.15	22.65	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.72	22.22	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.73	22.23	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.70	22.20	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.72	22.22	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.28	22.78	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.21	22.71	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.26	22.76	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.17	21.67	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.28	21.78	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band4	3MHz	QPSK	20175	8RB#0	21.36	21.86	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.22	21.72	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.31	22.81	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.35	22.85	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.25	22.75	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.34	21.84	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.49	21.99	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.48	21.98	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.43	21.93	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.63	21.13	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.95	21.45	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.81	21.31	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	19.76	20.26	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	19.90	20.40	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	19.86	20.36	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.87	20.37	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.33	20.83	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.13	20.63	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.01	20.51	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.26	20.76	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	19.11	19.61	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	19.26	19.76	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.14	19.64	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.46	20.96	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.15	20.65	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.19	20.69	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.06	20.56	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.14	20.64	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	19.08	19.58	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.02	19.52	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.61	22.11	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.52	22.02	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.49	21.99	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, Inspection & Testing Services Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	3MHz	16QAM	19965	8RB#7	20.66	21.16	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.86	21.36	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.83	21.33	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.84	21.34	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.43	21.93	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.26	21.76	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.49	21.99	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.37	20.87	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.47	20.97	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.40	20.90	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.33	20.83	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.56	22.06	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.46	21.96	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.46	21.96	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.36	20.86	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.58	21.08	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.46	20.96	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.46	20.96	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.39	22.89	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.38	22.88	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.23	22.73	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.25	21.75	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.28	21.78	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.25	21.75	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.28	21.78	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.13	22.63	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.29	22.79	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.24	22.74	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.28	21.78	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.29	21.79	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.35	21.85	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.19	21.69	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.18	22.68	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band4	5MHz	QPSK	20375	1RB#0	22.23	22.73	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.27	22.77	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.41	21.91	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.43	21.93	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.45	21.95	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.46	21.96	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.20	20.70	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.04	21.54	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.65	21.15	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	19.38	19.88	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.37	19.87	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.29	19.79	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.35	19.85	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.31	20.81	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.77	21.27	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.27	20.77	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.20	20.70	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	19.31	19.81	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	19.17	19.67	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.27	19.77	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.47	20.97	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.34	20.84	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.62	21.12	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.00	20.50	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.20	19.70	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	19.09	19.59	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.19	19.69	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.18	21.68	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.31	21.81	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.38	21.88	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.85	21.35	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.97	21.47	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.06	21.56	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. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
Shenzhen Branch, CSTC Laboratory 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	5MHz	16QAM	19975	25RB#0	20.76	21.26	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.05	21.55	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.45	21.95	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.43	21.93	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.25	20.75	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.30	20.80	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.32	20.82	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.31	20.81	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.48	21.98	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.68	22.18	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.50	22.00	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.39	20.89	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.49	20.99	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.43	20.93	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.47	20.97	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.21	22.71	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.03	22.53	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.15	22.65	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.20	21.70	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.26	21.76	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.30	21.80	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.20	21.70	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.13	22.63	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.00	22.50	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.03	22.53	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.11	21.61	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.20	21.70	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.26	21.76	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.21	21.71	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.18	22.68	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.10	22.60	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.11	22.61	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.02	21.52	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. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
Shenzhen Branch, CSTC Laboratory 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	10MHz	QPSK	20350	25RB#12	21.16	21.66	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.17	21.67	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.10	21.60	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.36	20.86	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.82	21.32	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.37	20.87	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.31	19.81	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	19.30	19.80	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.30	19.80	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.23	19.73	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.05	20.55	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.59	21.09	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.70	21.20	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.12	20.62	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.33	19.83	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.23	19.73	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.15	19.65	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.13	20.63	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.87	21.37	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.68	21.18	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.69	21.19	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	19.30	19.80	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	19.07	19.57	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.13	19.63	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.13	21.63	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.35	21.85	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.36	21.86	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.28	20.78	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.30	20.80	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.38	20.88	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.24	20.74	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.35	21.85	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.52	22.02	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band4	10MHz	16QAM	20175	1RB#49	21.30	21.80	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.00	20.50	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.31	20.81	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.21	20.71	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.05	20.55	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.20	21.70	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.45	21.95	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.45	21.95	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.05	20.55	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.23	20.73	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.18	20.68	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.13	20.63	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.22	22.72	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.22	22.72	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.24	22.74	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.19	21.69	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.35	21.85	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.43	21.93	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.42	21.92	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.22	22.72	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.24	22.74	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.24	22.74	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.37	21.87	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.34	21.84	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.35	21.85	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.35	21.85	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.26	22.76	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.00	22.50	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.11	22.61	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.47	21.97	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.32	21.82	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.28	21.78	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.30	21.80	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 Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	15MHz	64QAM	20025	1RB#74	20.21	20.71	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.47	20.97	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.20	20.70	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	19.37	19.87	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	19.32	19.82	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	19.22	19.72	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.37	19.87	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.40	20.90	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.58	21.08	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.27	20.77	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.09	20.59	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	19.40	19.90	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	19.09	19.59	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.23	19.73	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.30	20.80	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.49	20.99	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.09	20.59	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.44	20.94	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#18	19.21	19.71	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	19.08	19.58	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.11	19.61	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.24	21.74	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.25	21.75	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.07	21.57	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.42	20.92	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.50	21.00	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.35	20.85	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.48	20.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.60	22.10	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.44	21.94	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.69	22.19	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.43	20.93	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.29	20.79	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. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
Shenzhen Branch, CSTC Laboratory 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	15MHz	16QAM	20175	36RB#39	20.31	20.81	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.40	20.90	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.46	21.96	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.16	21.66	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.55	22.05	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.35	20.85	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.33	20.83	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.27	20.77	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.30	20.80	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.01	22.51	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.16	22.66	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.48	22.98	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.50	22.00	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.45	21.95	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.39	21.89	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.40	21.90	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.49	22.99	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.29	22.79	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.06	22.56	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.34	21.84	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.38	21.88	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.31	21.81	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.39	21.89	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.17	22.67	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.02	22.52	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.04	22.54	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.31	21.81	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.29	21.79	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.26	21.76	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.16	21.66	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.19	20.69	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.15	20.65	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.38	20.88	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.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	20MHz	64QAM	20050	50RB#0	19.36	19.86	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.30	19.80	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.26	19.76	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.30	19.80	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.41	20.91	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.37	20.87	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.25	20.75	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.28	20.78	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	19.40	19.90	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	19.28	19.78	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.12	19.62	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.27	20.77	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.09	20.59	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.15	20.65	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.39	20.89	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	19.22	19.72	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	19.22	19.72	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.12	19.62	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.28	21.78	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.40	21.90	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.29	21.79	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.44	20.94	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.50	21.00	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.39	20.89	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.35	20.85	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.60	22.10	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.10	21.60	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.41	21.91	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.46	20.96	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.13	20.63	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.33	20.83	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.41	20.91	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.60	22.10	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band4	20MHz	16QAM	20300	1RB#49	21.76	22.26	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.25	21.75	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.29	20.79	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.28	20.78	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.36	20.86	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.27	20.77	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]



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

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

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

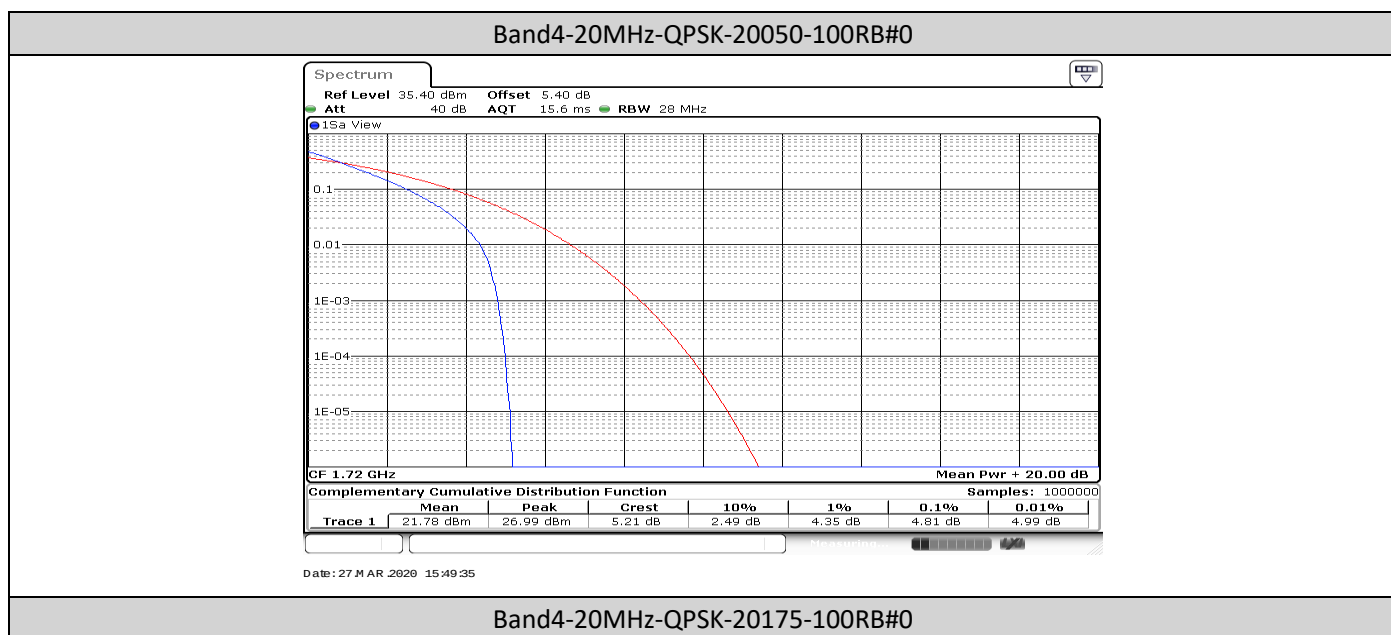


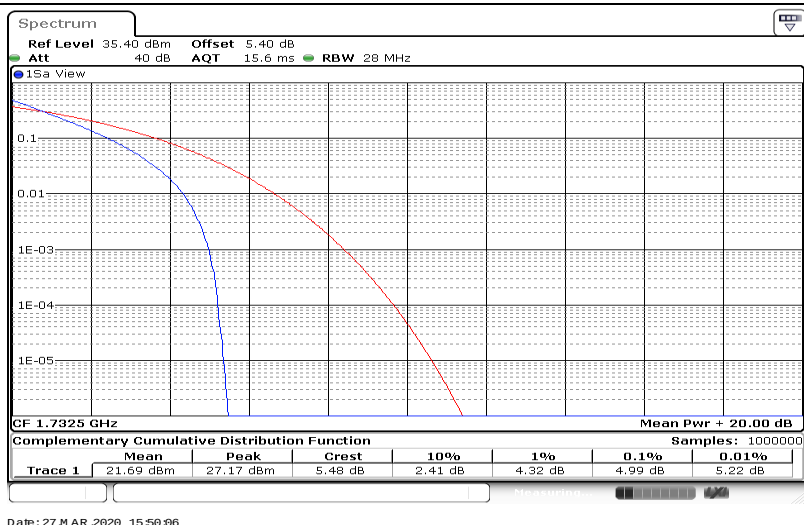
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.81	13.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.99	13.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.04	13.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.75	13.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.70	13.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.67	13.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.83	13.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.86	13.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.03	13.00	PASS

2.2. Test Plots





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



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



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



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



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





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



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



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephones: (86-755) 83071443, 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-20300-100RB#0



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

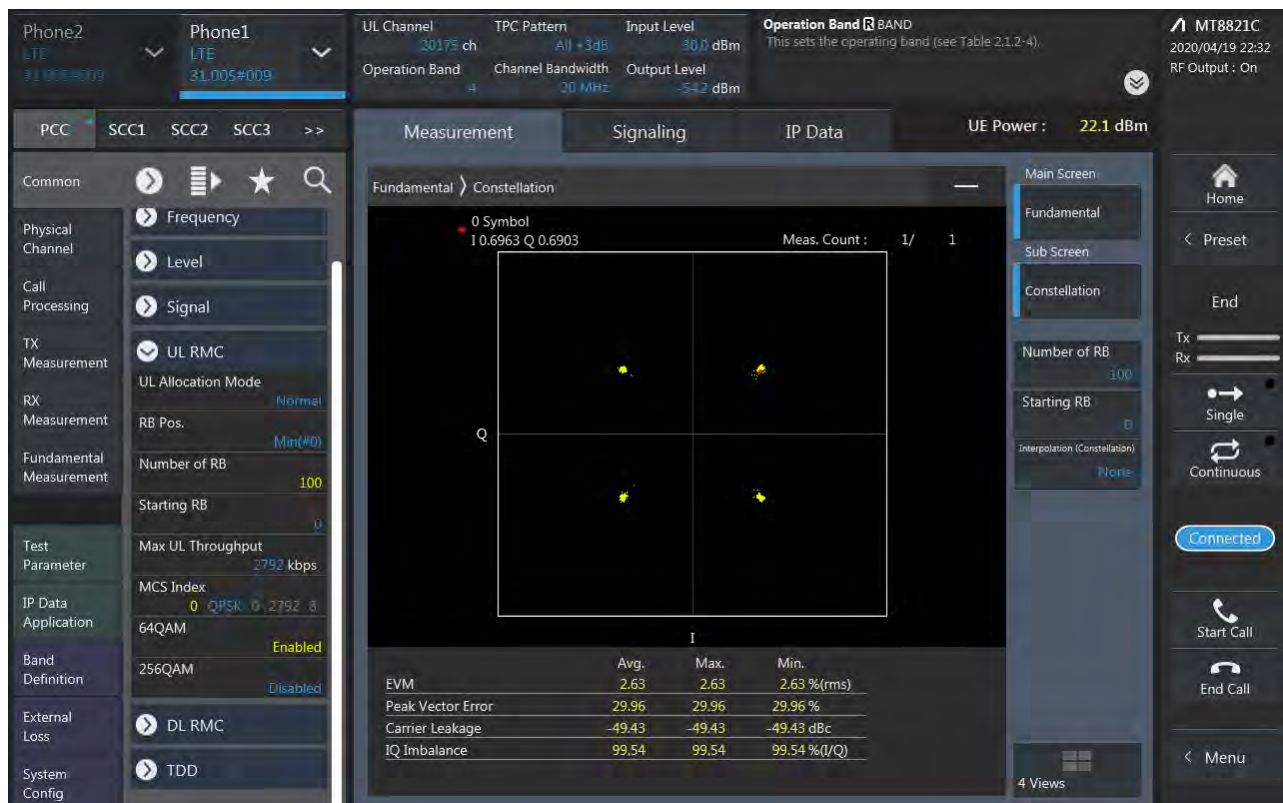
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

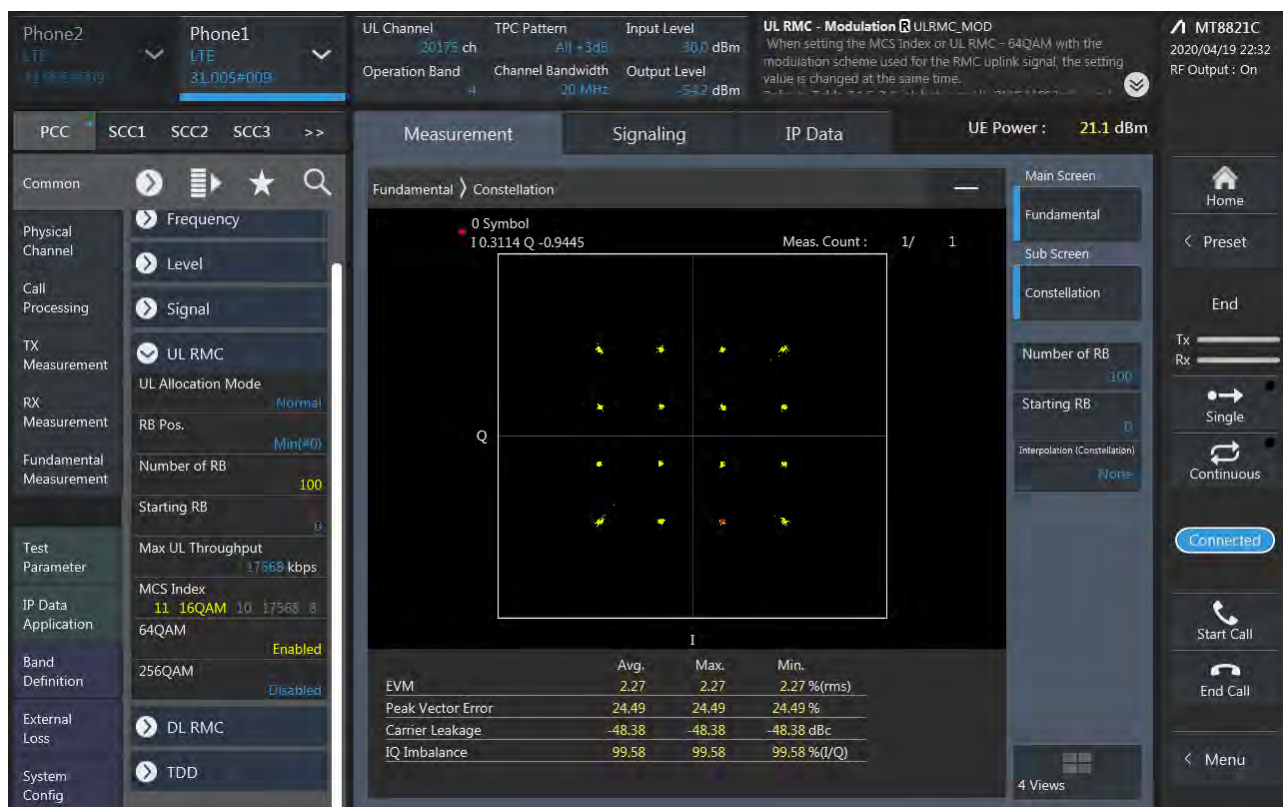
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

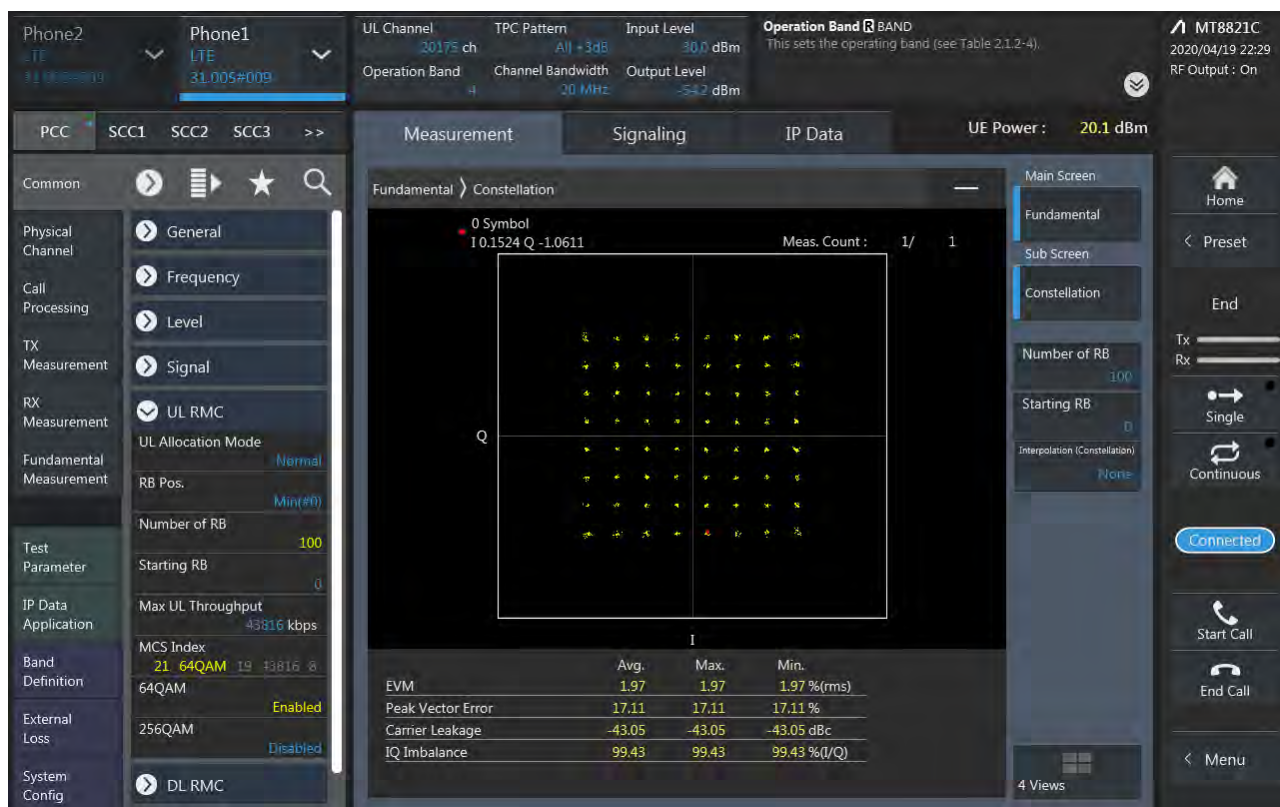
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.085	1.236	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.227	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.236	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.239	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.091	1.236	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.091	1.242	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.242	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.094	1.227	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.230	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	3.018	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.000	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	3.012	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.994	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.988	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.994	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.982	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.982	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.976	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.900	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.910	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.870	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.890	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.890	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.466	4.890	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.920	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.910	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.920	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.640	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.640	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.640	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.640	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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	8.911	9.580	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.911	9.640	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.660	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.680	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.730	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.760	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.760	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.730	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.670	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.730	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.440	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.360	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.822	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.440	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.320	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.822	19.400	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.400	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

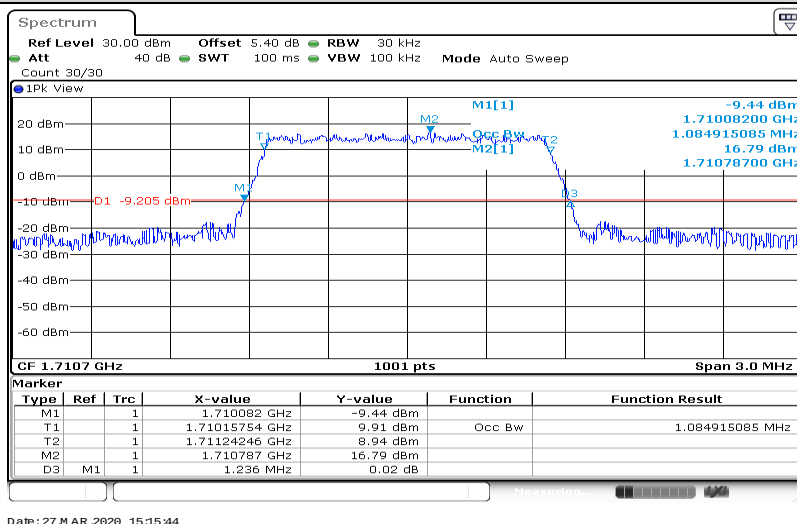
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

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

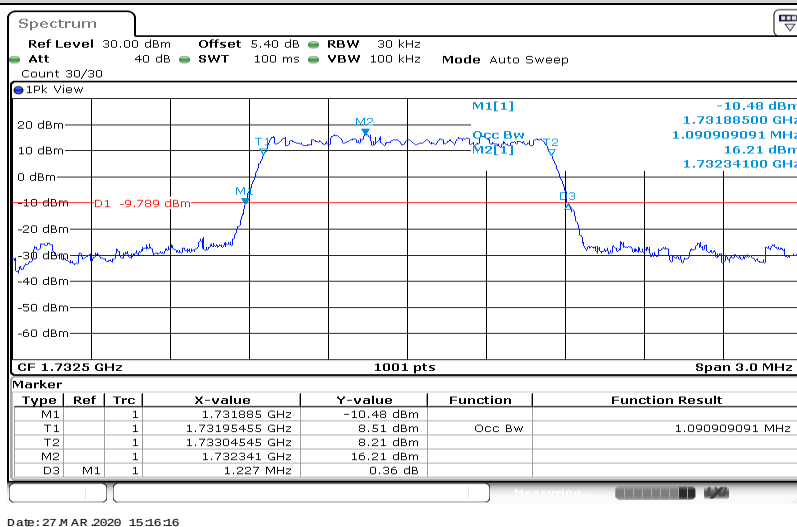


4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.085

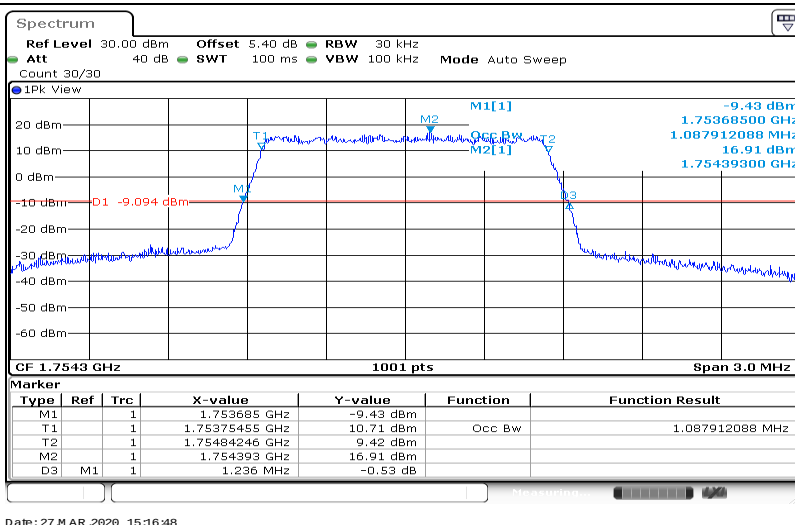


Band4-1.4MHz-QPSK-20175-6RB#0-1.091

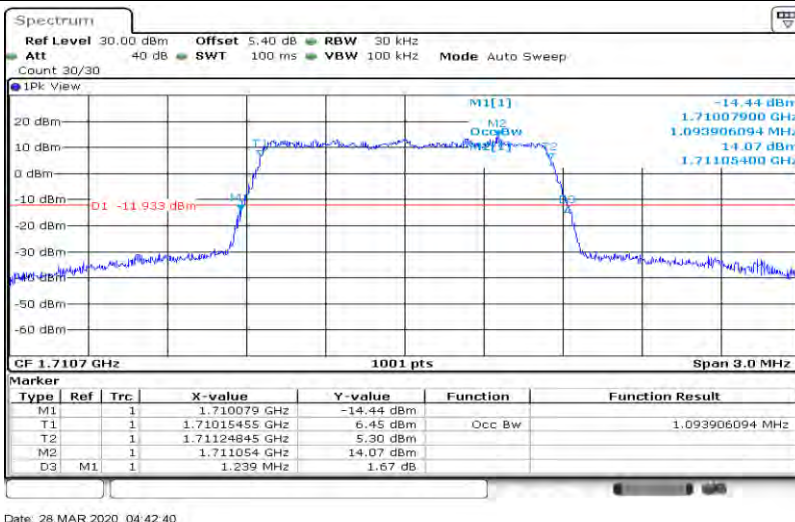


Band4-1.4MHz-QPSK-20393-6RB#0-1.088



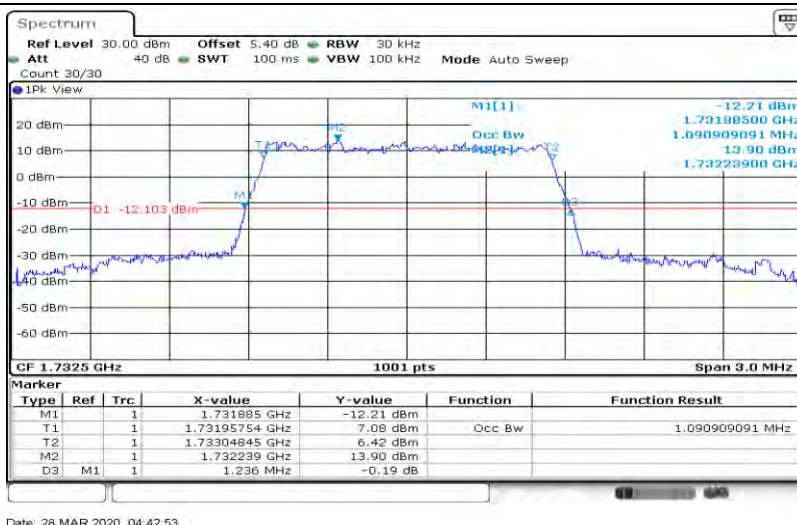


Band4-1.4MHz-64QAM-19957-6RB#0-1.094

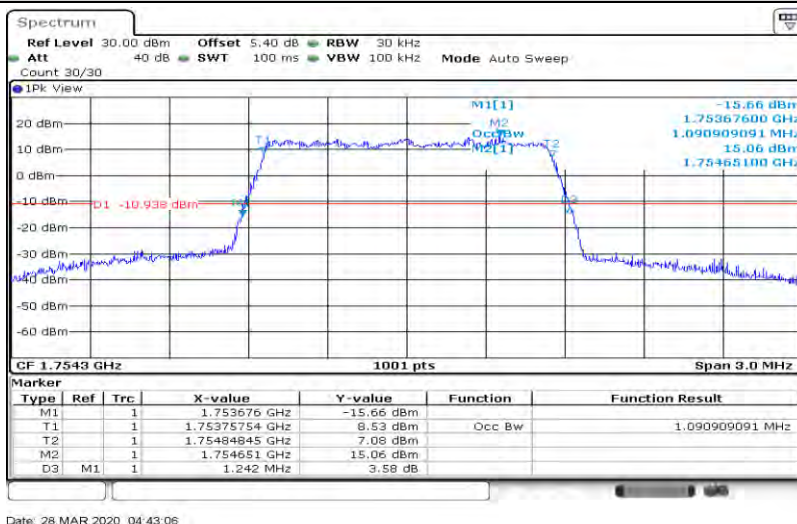


Band4-1.4MHz-64QAM-20175-6RB#0-1.091



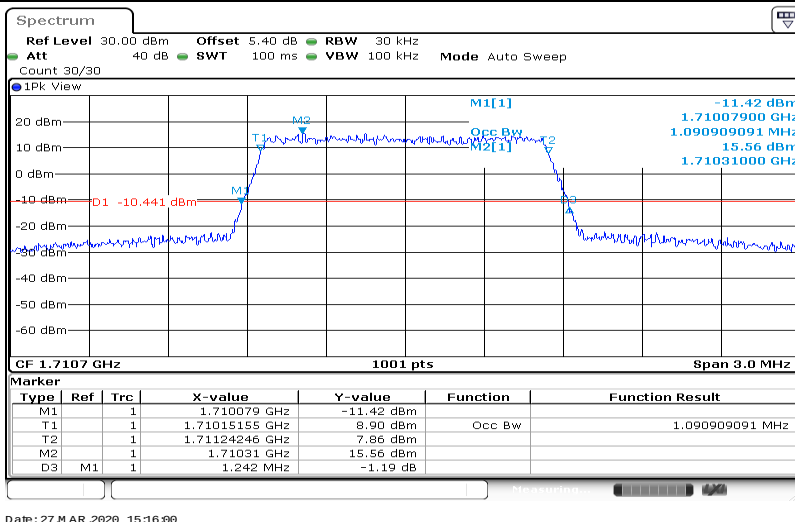


Band4-1.4MHz-64QAM-20393-6RB#0-1.091

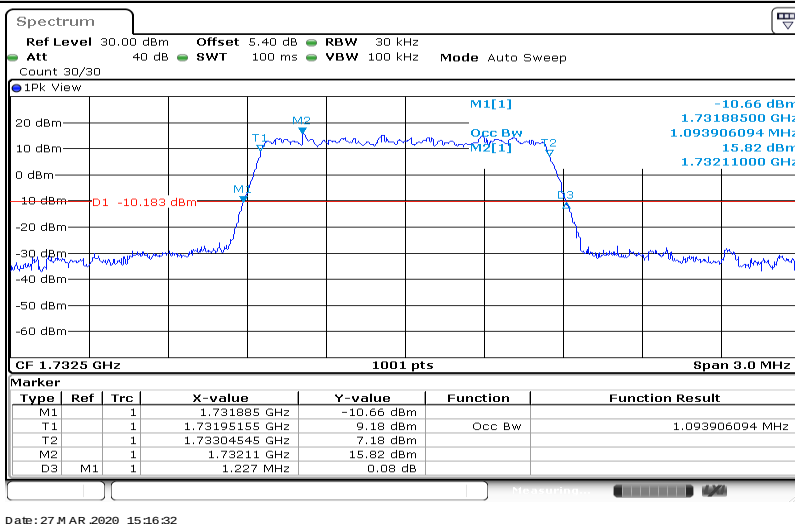


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



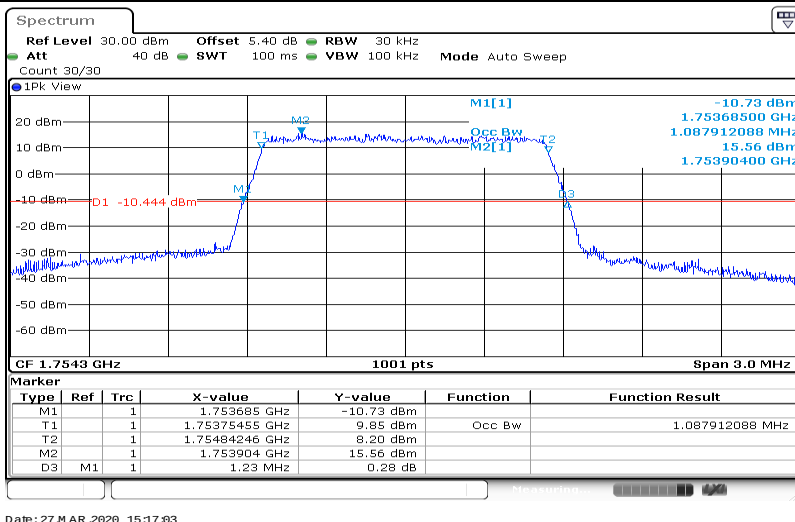


Band4-1.4MHz-16QAM-20175-6RB#0-1.094

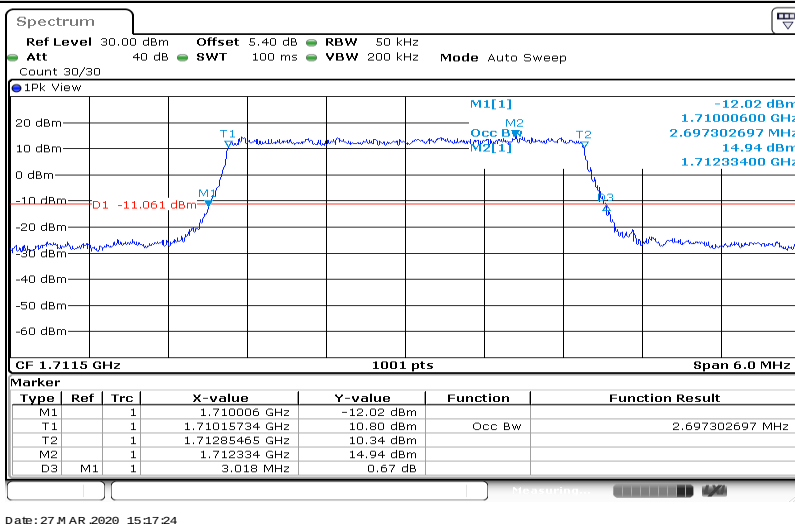


Band4-1.4MHz-16QAM-20393-6RB#0-1.088





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

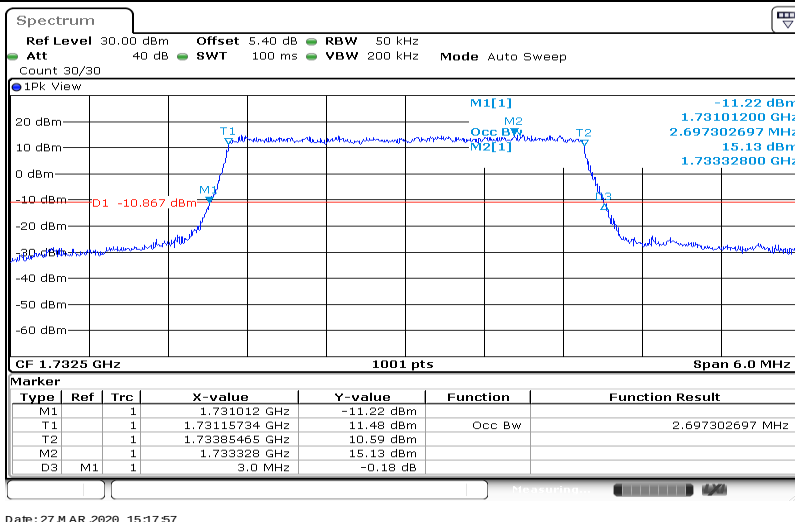


Band4-3MHz-QPSK-20175-15RB#0-2.697

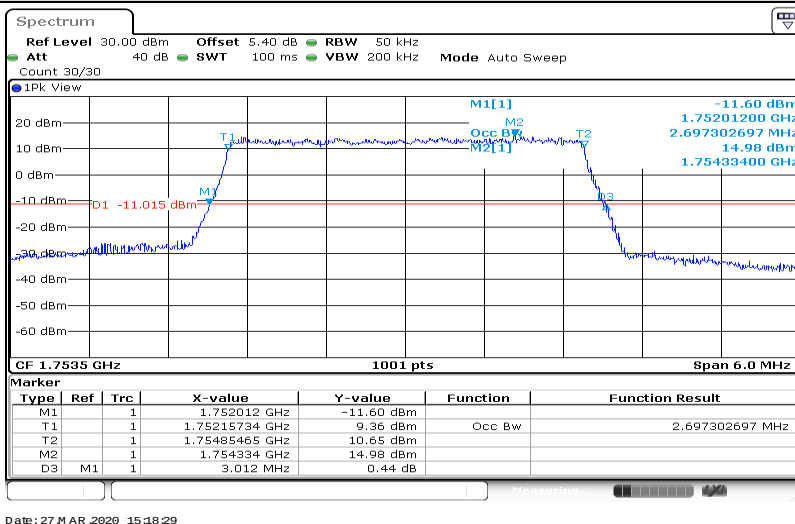


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

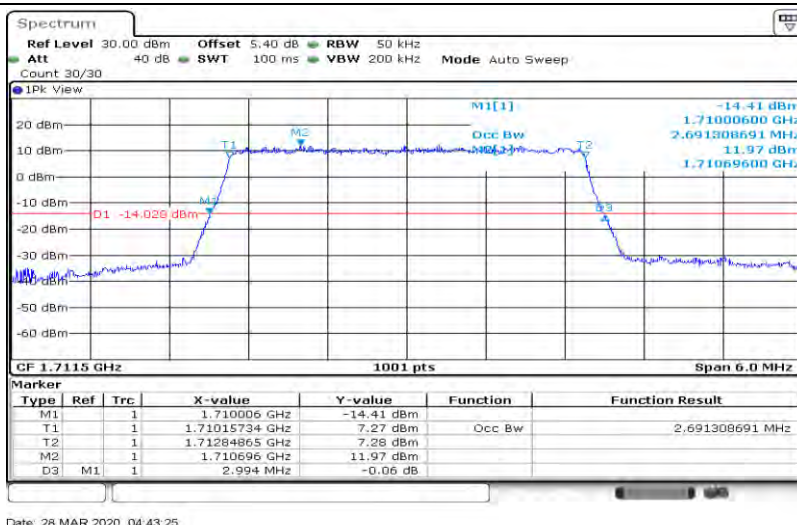


Band4-3MHz-QPSK-20385-15RB#0-2.697

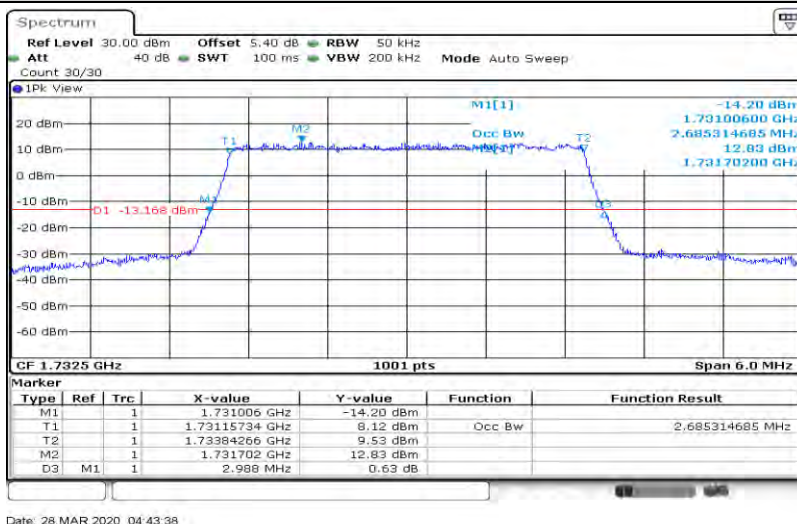


Band4-3MHz-64QAM-19965-15RB#0-2.691





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



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

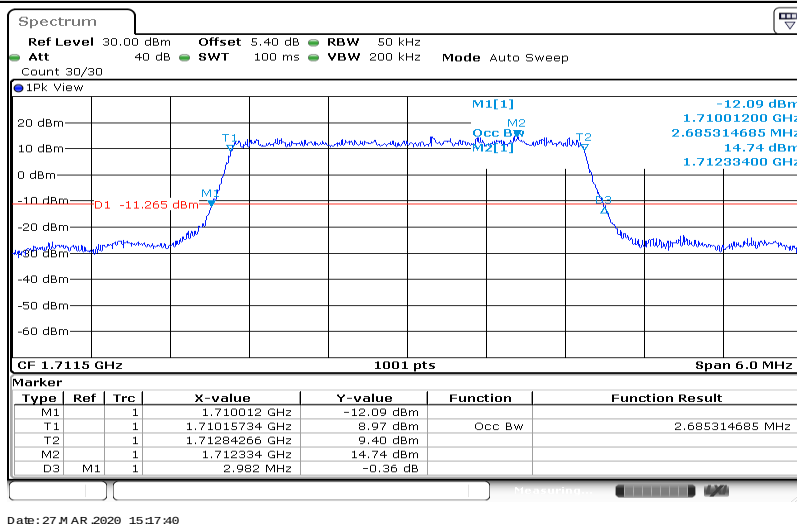


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephones: (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

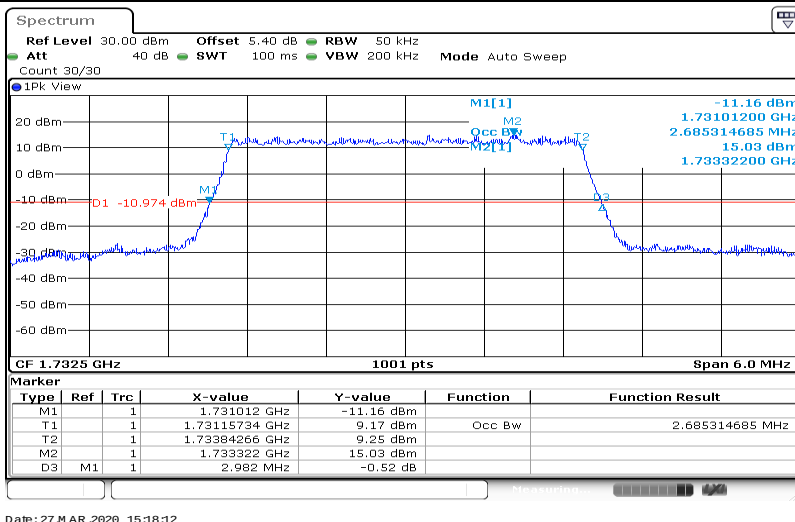


Band4-3MHz-16QAM-19965-15RB#0-2.685

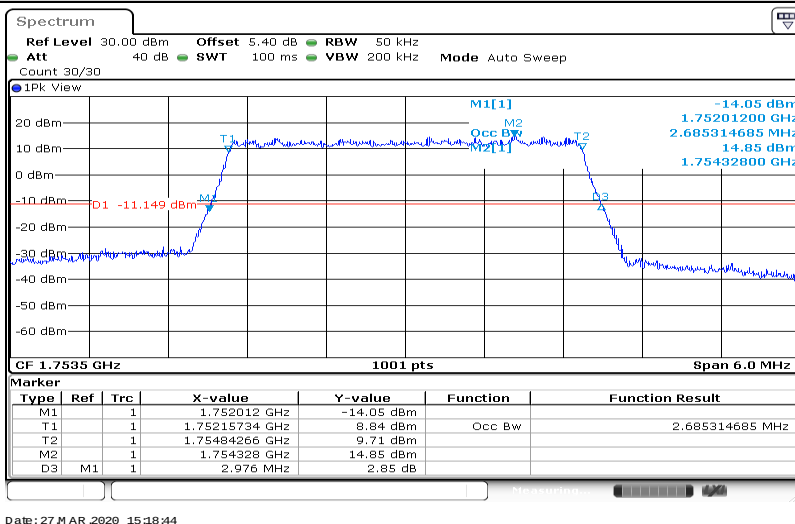


Band4-3MHz-16QAM-20175-15RB#0-2.685



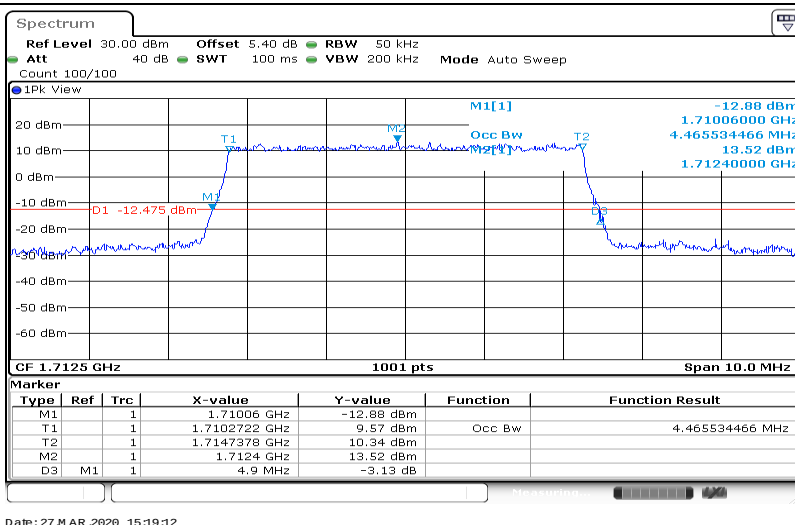


Band4-3MHz-16QAM-20385-15RB#0-2.685

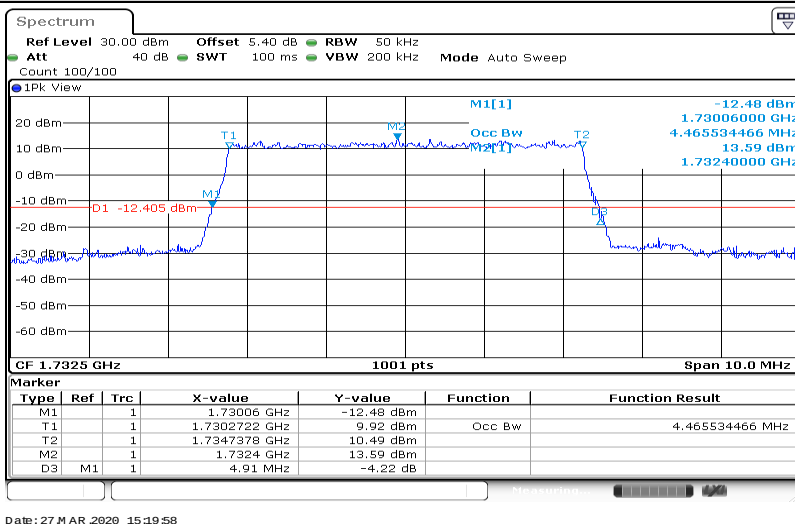


Band4-5MHz-QPSK-19975-25RB#0-4.466



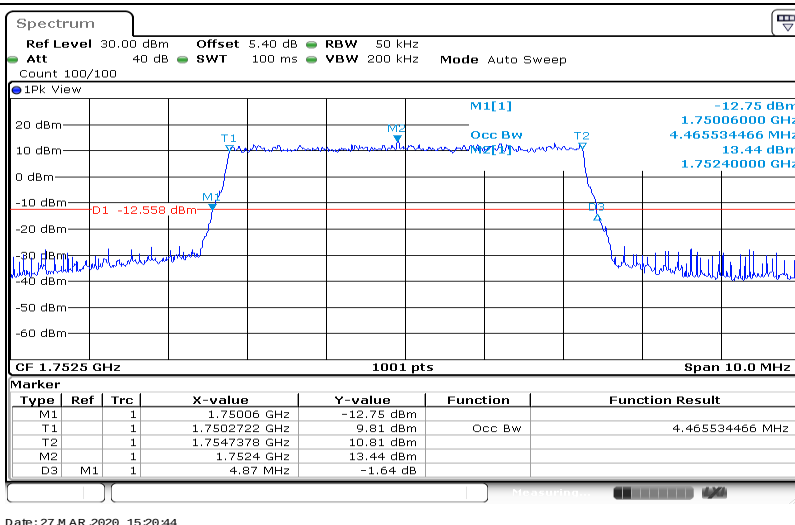


Band4-5MHz-QPSK-20175-25RB#0-4.466

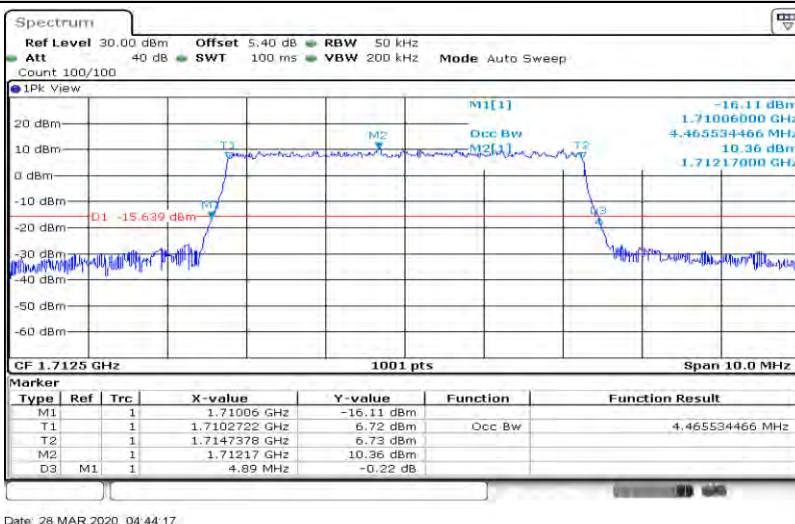


Band4-5MHz-QPSK-20375-25RB#0-4.466





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

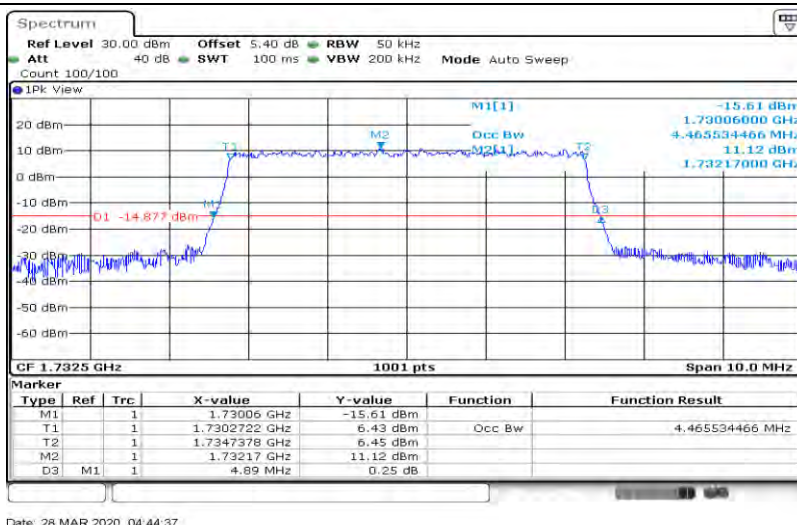


Band4-5MHz-64QAM-20175-25RB#0-4.466

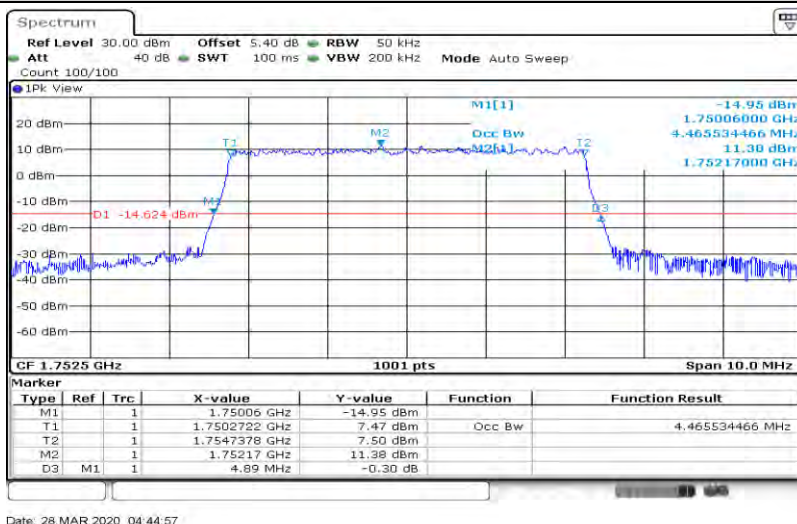


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

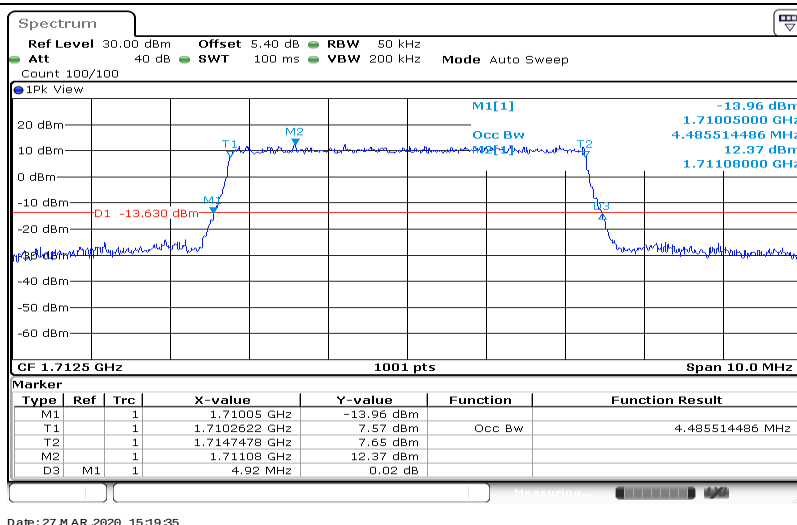


Band4-5MHz-64QAM-20375-25RB#0-4.466

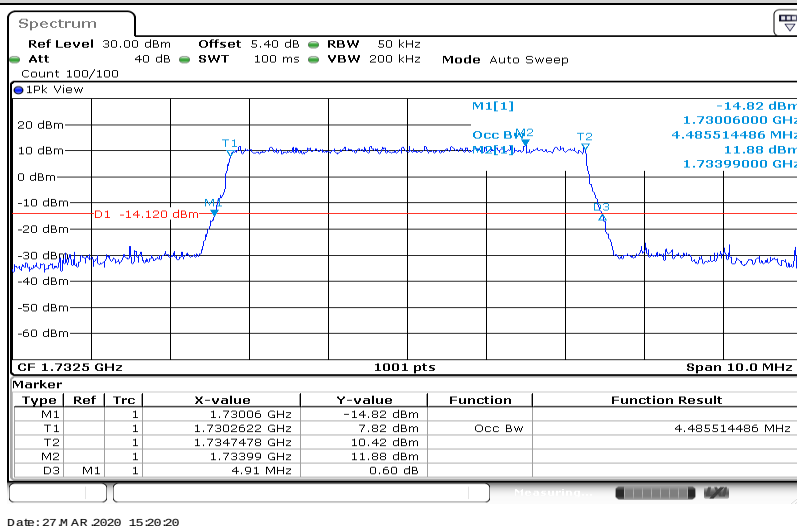


Band4-5MHz-16QAM-19975-25RB#0-4.486





Band4-5MHz-16QAM-20175-25RB#0-4.486



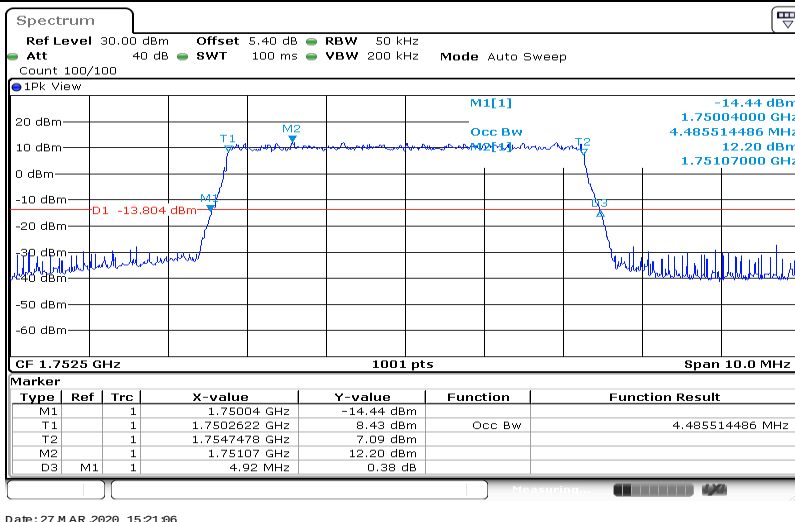
Band4-5MHz-16QAM-20375-25RB#0-4.486



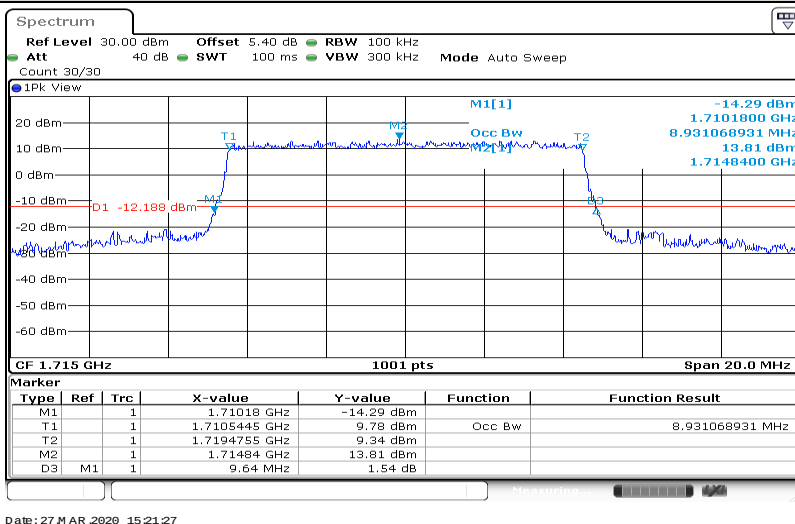
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions for Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and for electronic format documents, subject to Terms and Conditions for Electronic 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 notified that alteration, tampering or removal of the Company's analysis and/or findings may intervene on or within the limits of the Client's instructions and the Client assumes sole responsibility to its client and this document does not concern any party to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is illegal and may result in the holder being liable to any third party. If the holder has otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) Testing 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
No. 1 Workshop, 科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4-10MHz-QPSK-20000-50RB#0-8.931

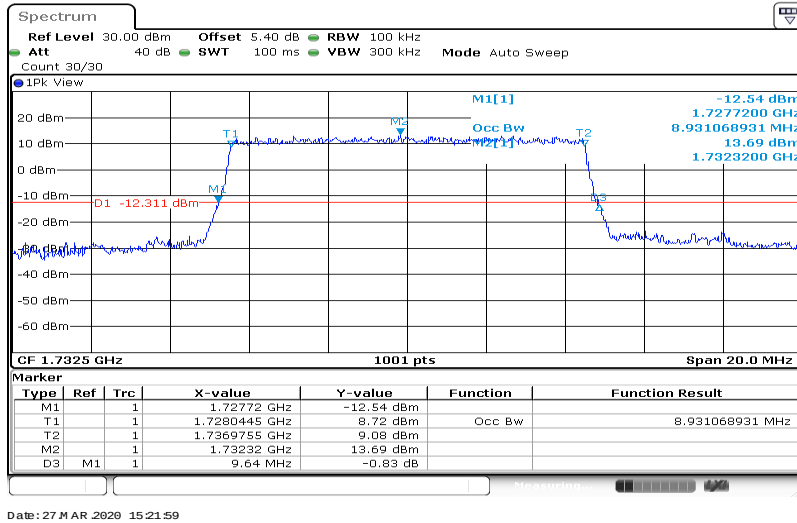


Band4-10MHz-QPSK-20175-50RB#0-8.931

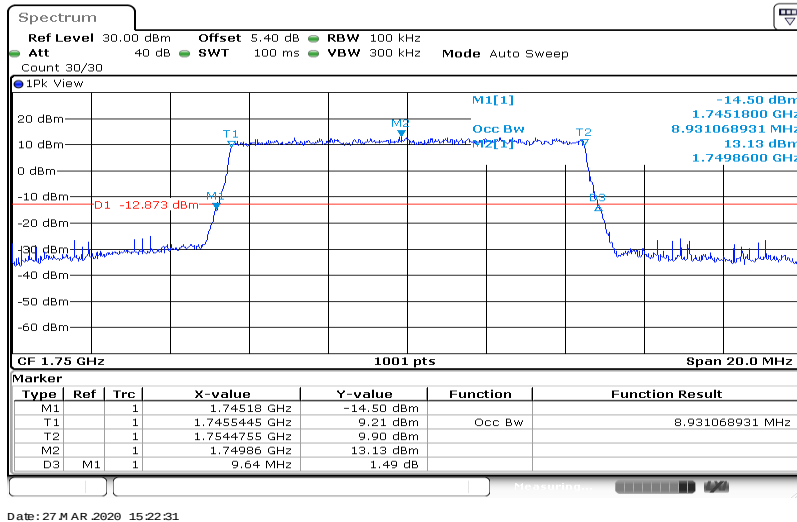


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

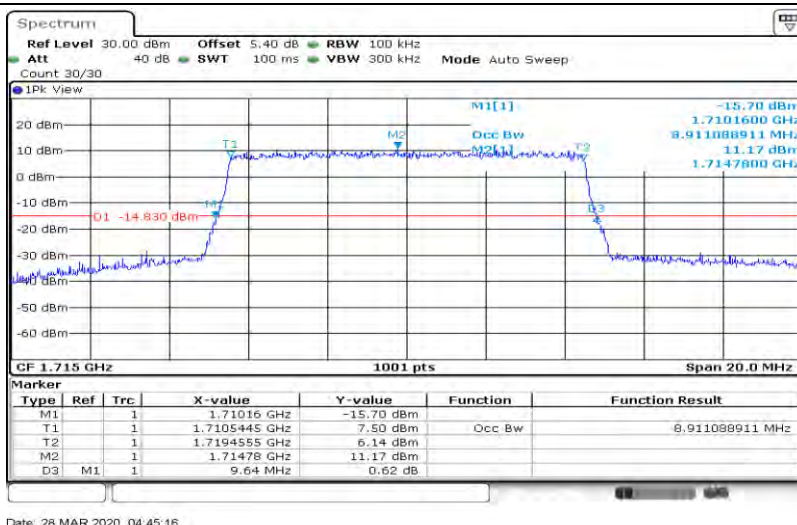


Band4-10MHz-64QAM-20000-50RB#0-8.911

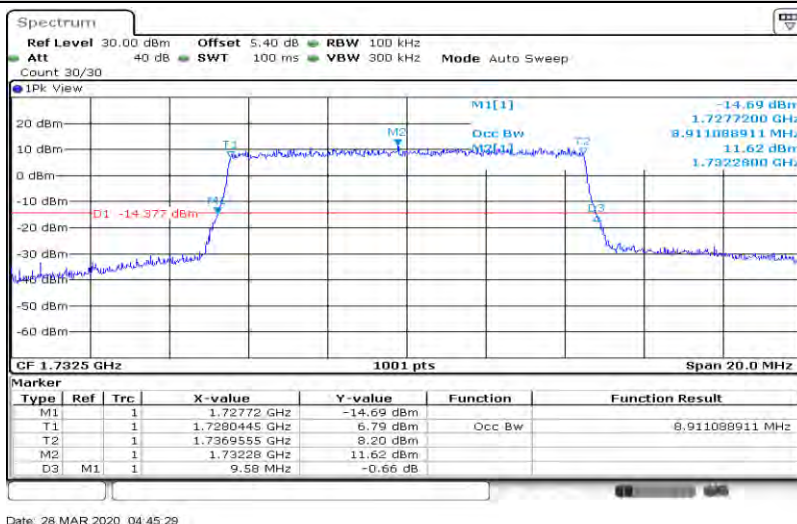


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

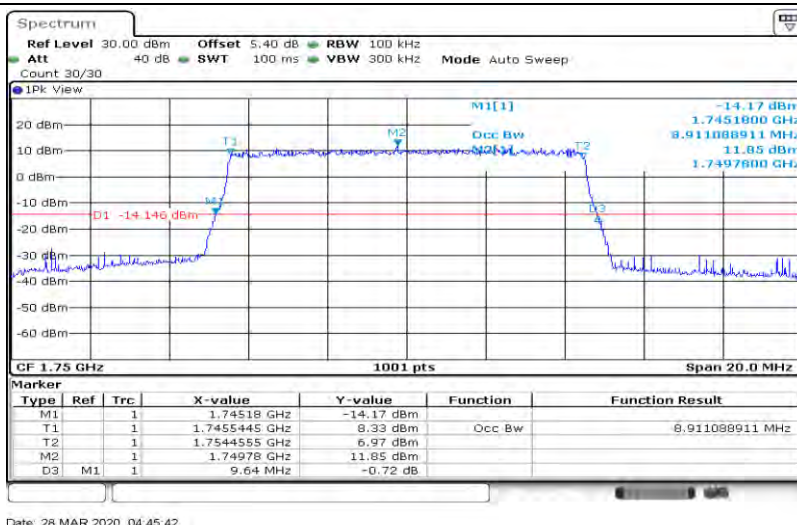


Band4-10MHz-64QAM-20175-50RB#0-8.911

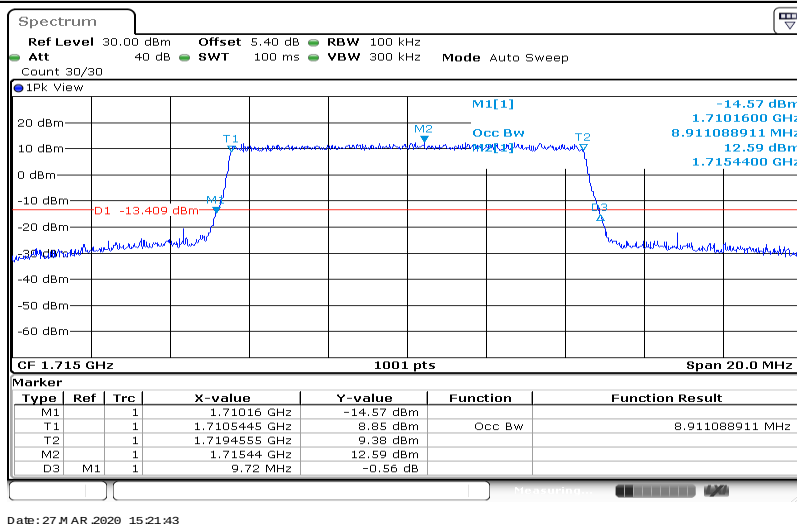


Band4-10MHz-64QAM-20350-50RB#0-8.911



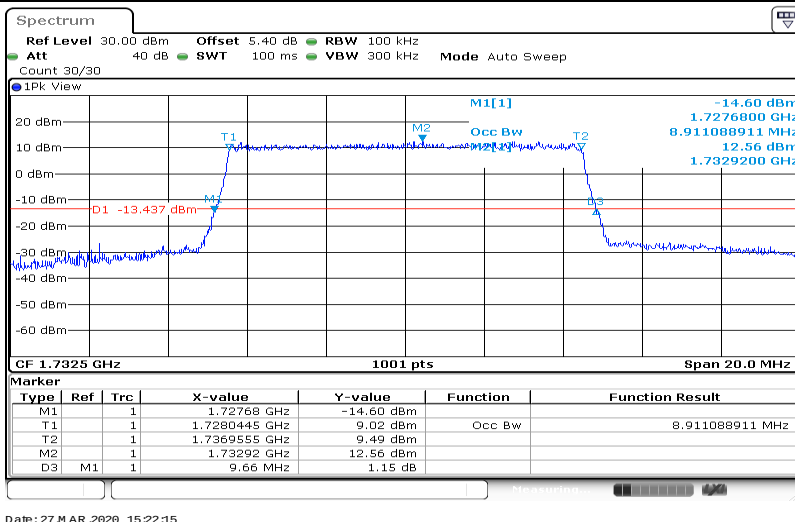


Band4-10MHz-16QAM-20000-50RB#0-8.911

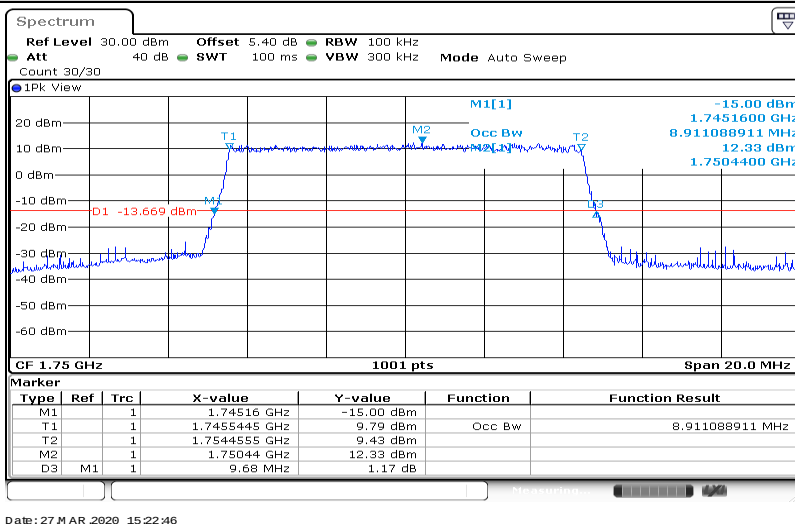


Band4-10MHz-16QAM-20175-50RB#0-8.911



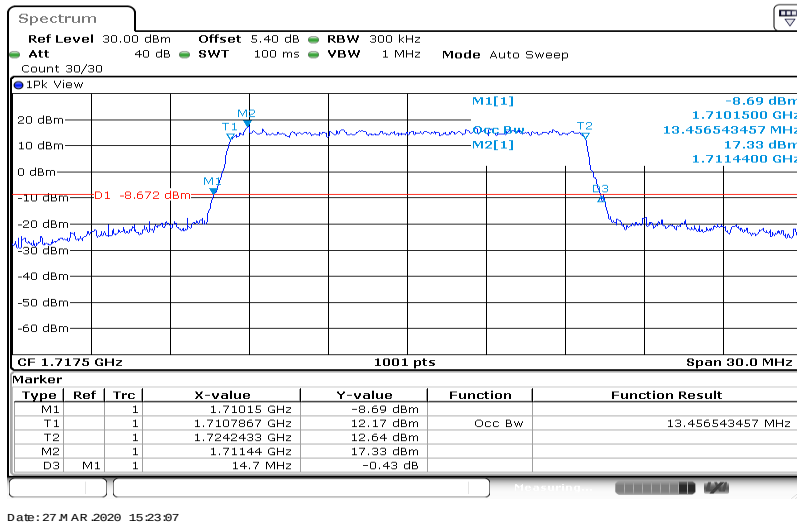


Band4-10MHz-16QAM-20350-50RB#0-8.911

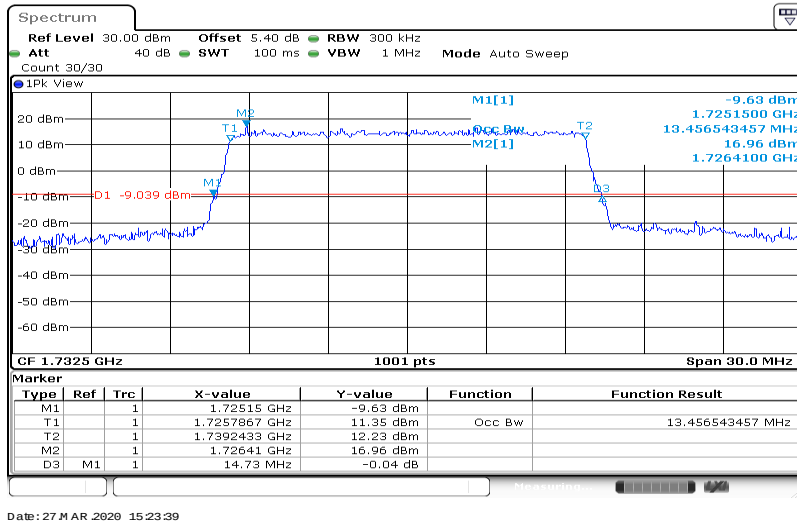


Band4-15MHz-QPSK-20025-75RB#0-13.457





Band4-15MHz-QPSK-20175-75RB#0-13.457

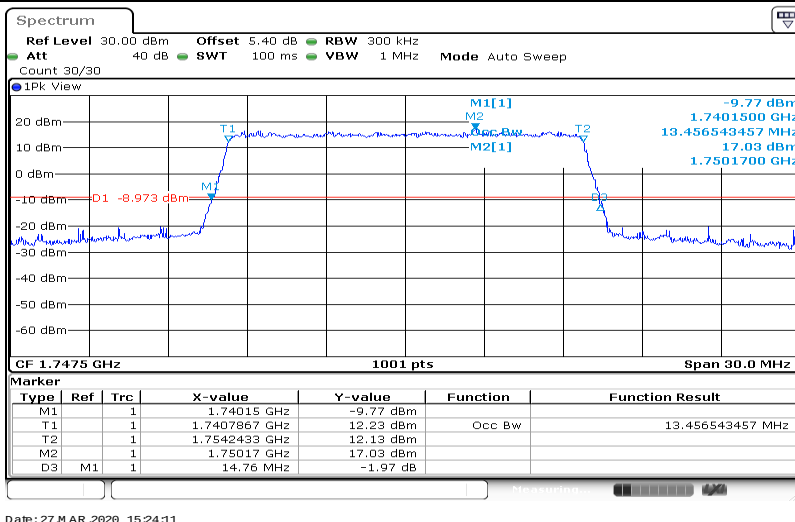


Band4-15MHz-QPSK-20325-75RB#0-13.457

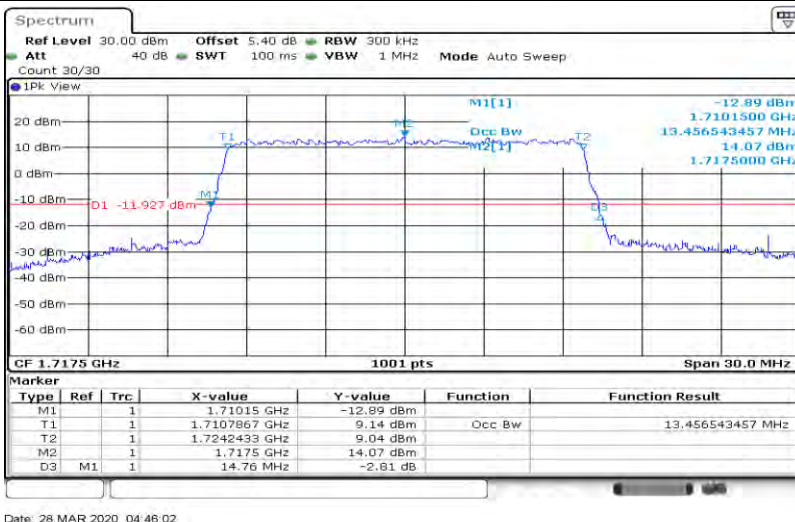


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

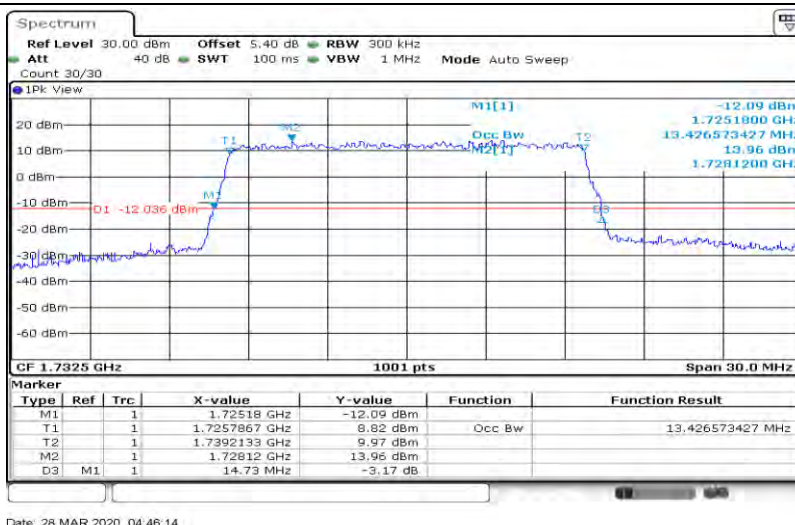


Band4-15MHz-64QAM-20025-75RB#0-13.457



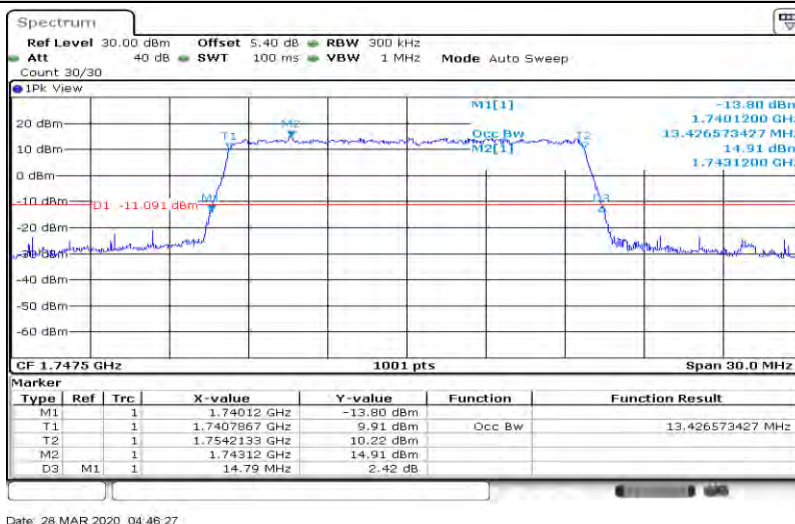
Band4-15MHz-64QAM-20175-75RB#0-13.427





Date: 28.MAR.2020 04:46:14

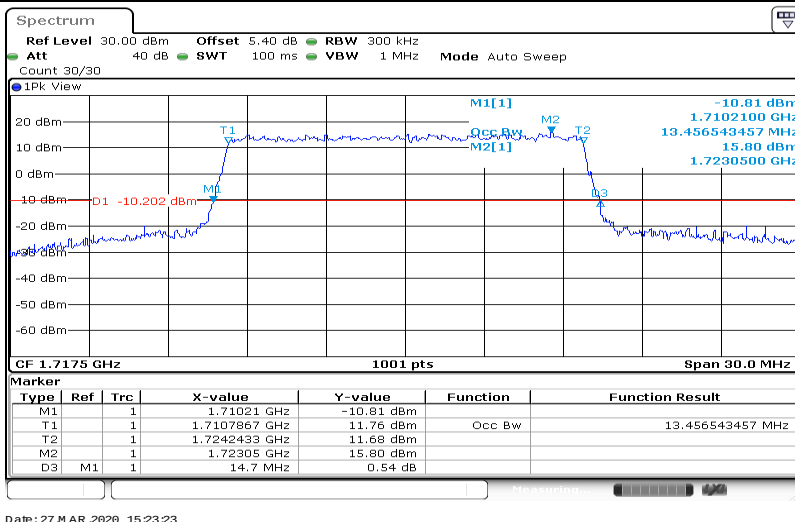
Band4-15MHz-64QAM-20325-75RB#0-13.427



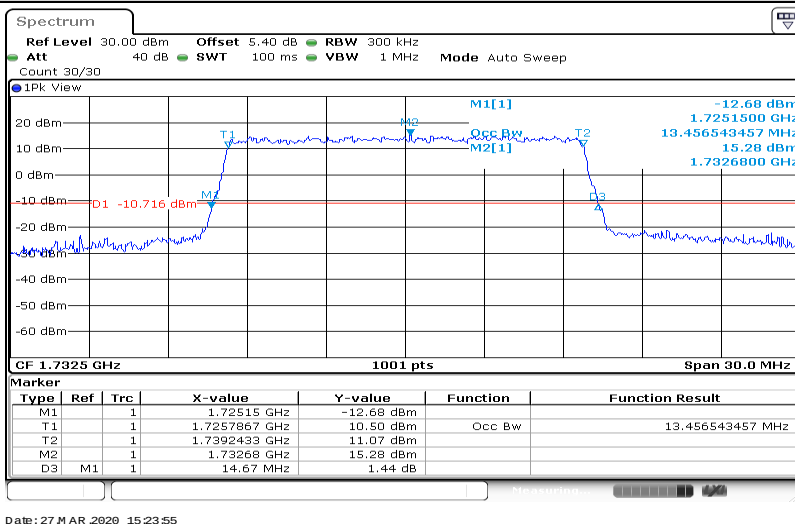
Date: 28.MAR.2020 04:46:27

Band4-15MHz-16QAM-20025-75RB#0-13.457



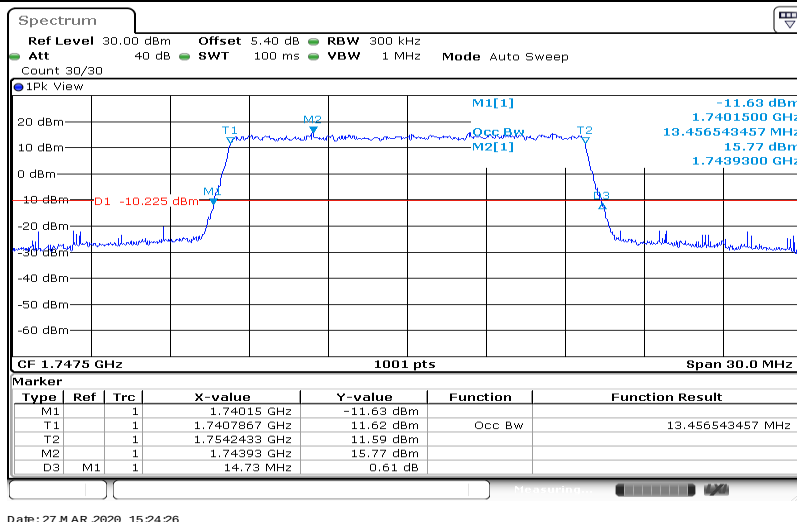


Band4-15MHz-16QAM-20175-75RB#0-13.457

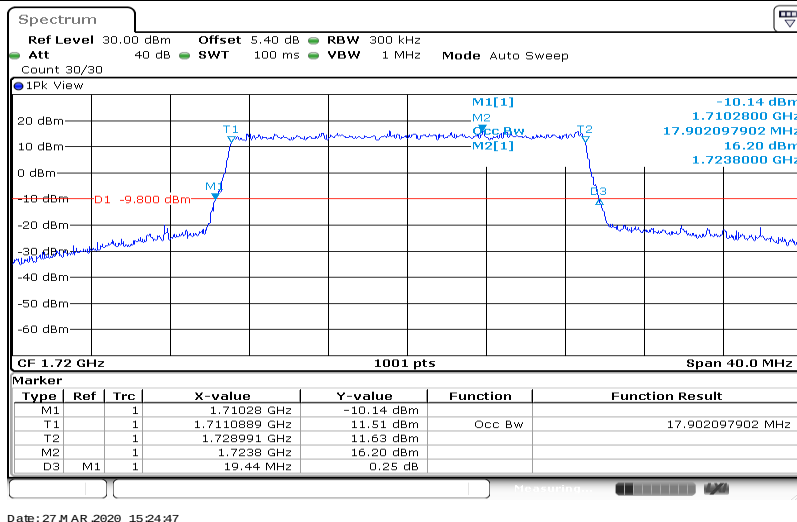


Band4-15MHz-16QAM-20325-75RB#0-13.457





Band4-20MHz-QPSK-20050-100RB#0-17.902

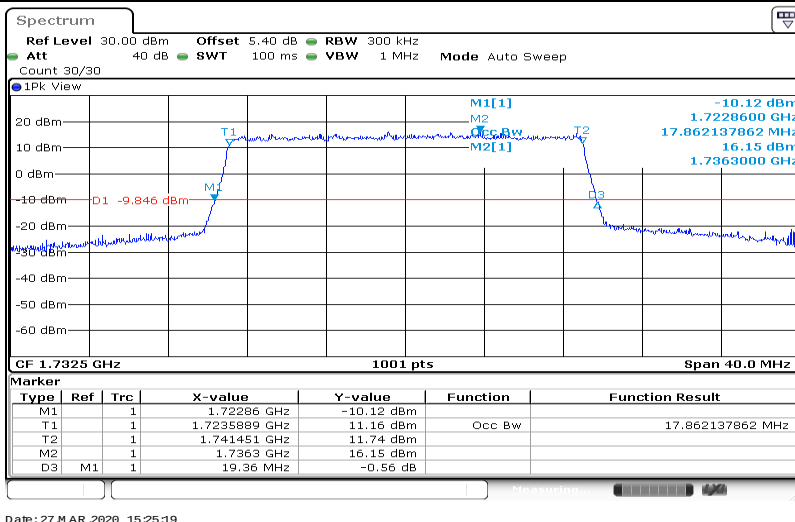


Band4-20MHz-QPSK-20175-100RB#0-17.862

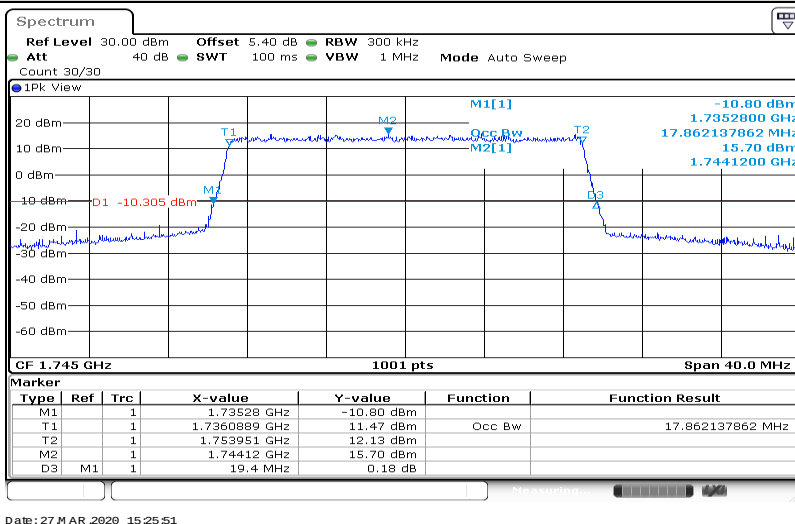


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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-QPSK-20300-100RB#0-17.862

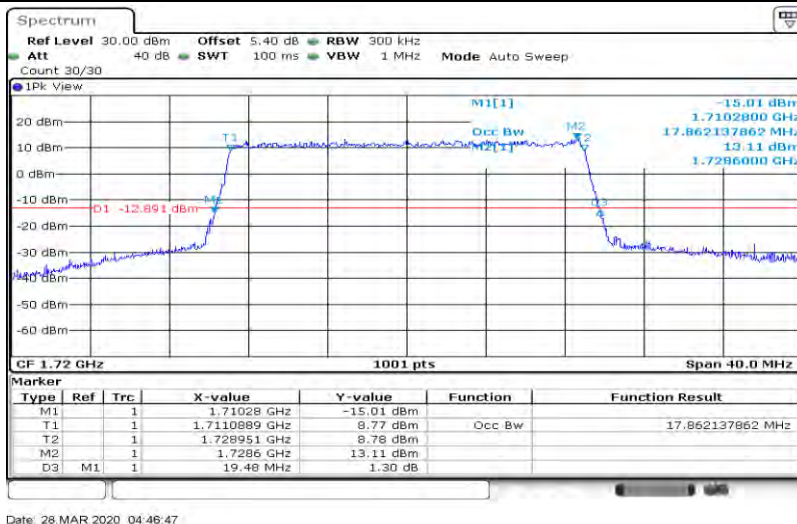


Band4-20MHz-64QAM-20050-100RB#0-17.862

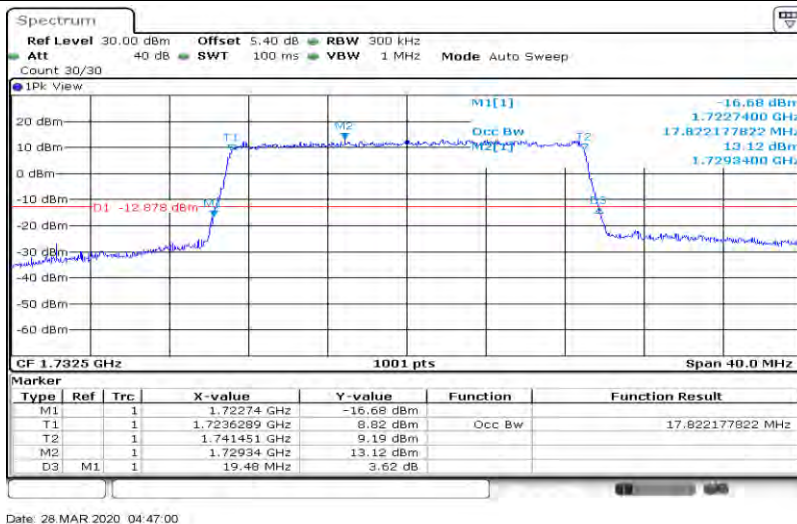


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

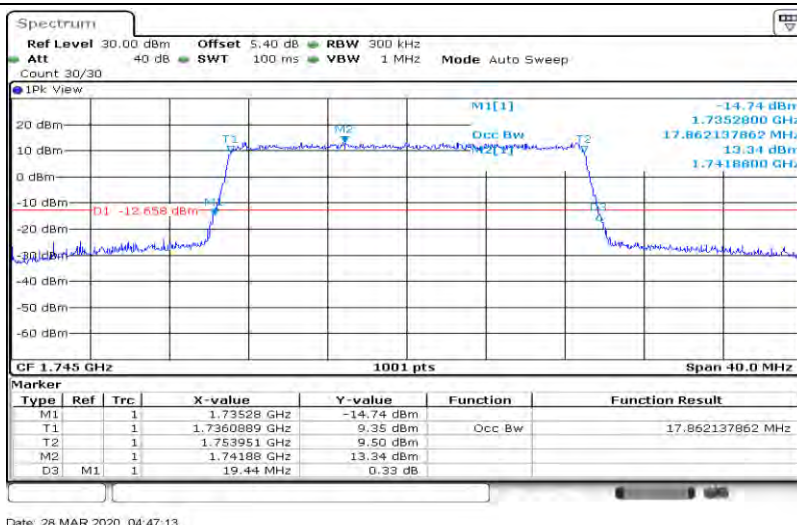


Band4-20MHz-64QAM-20175-100RB#0-17.822

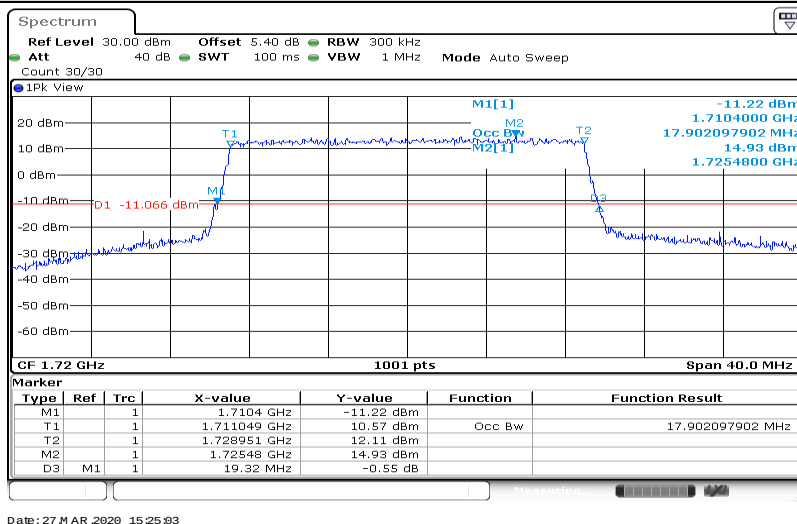


Band4-20MHz-64QAM-20300-100RB#0-17.862



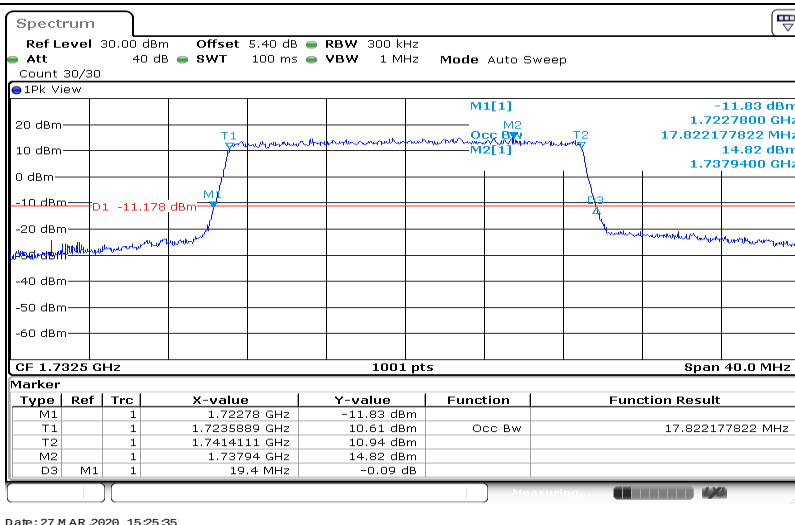


Band4-20MHz-16QAM-20050-100RB#0-17.902

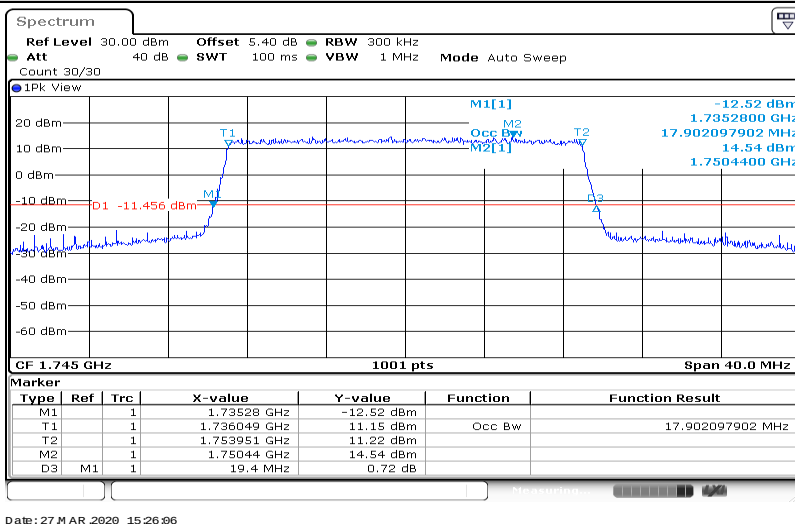


Band4-20MHz-16QAM-20175-100RB#0-17.822





Band4-20MHz-16QAM-20300-100RB#0-17.902





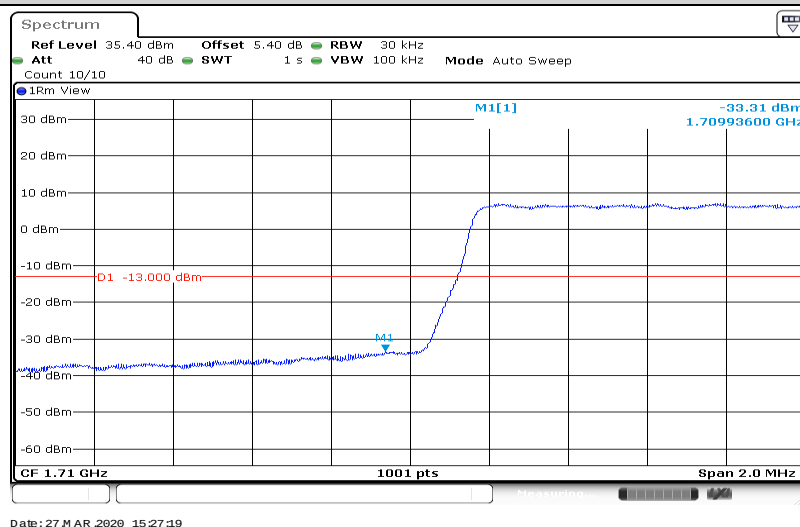
5. Band Edge Compliance

5.1. Test Plots

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

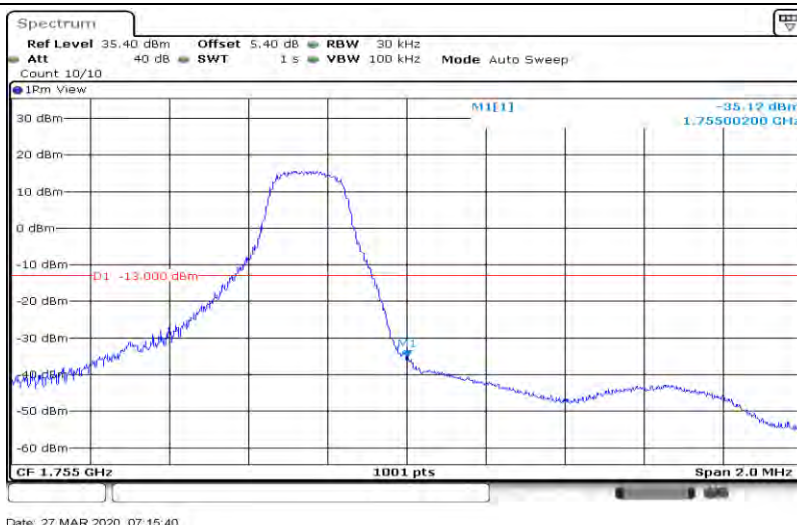


Band4-1.4MHz-QPSK-19957-6RB#0



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





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



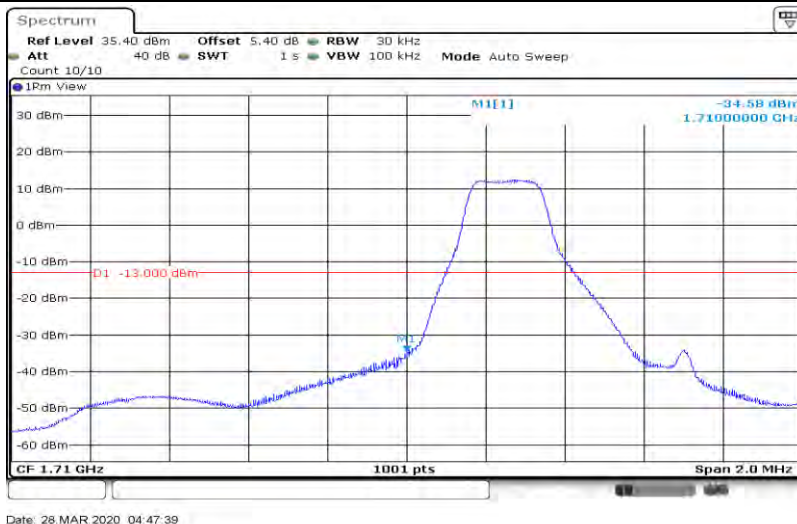
Band4-1.4MHz-64QAM-19957-1RB#0



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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



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



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





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

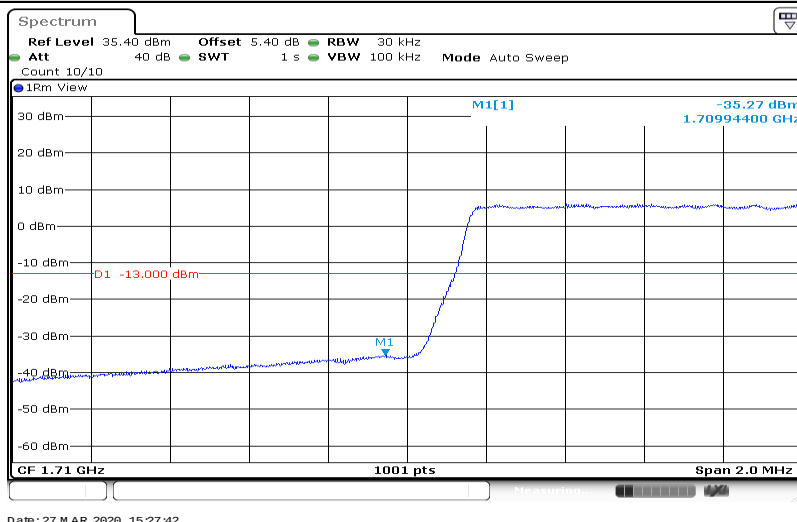


Band4-1.4MHz-16QAM-19957-1RB#0



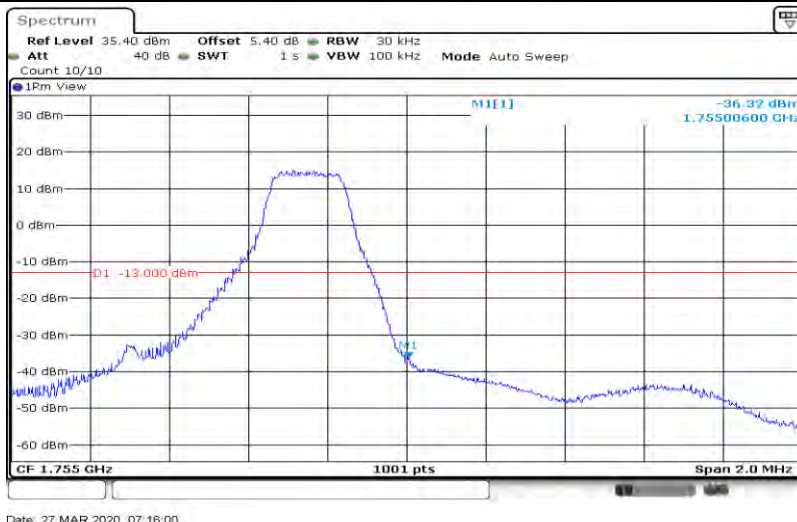


Band4-1.4MHz-16QAM-19957-6RB#0



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





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

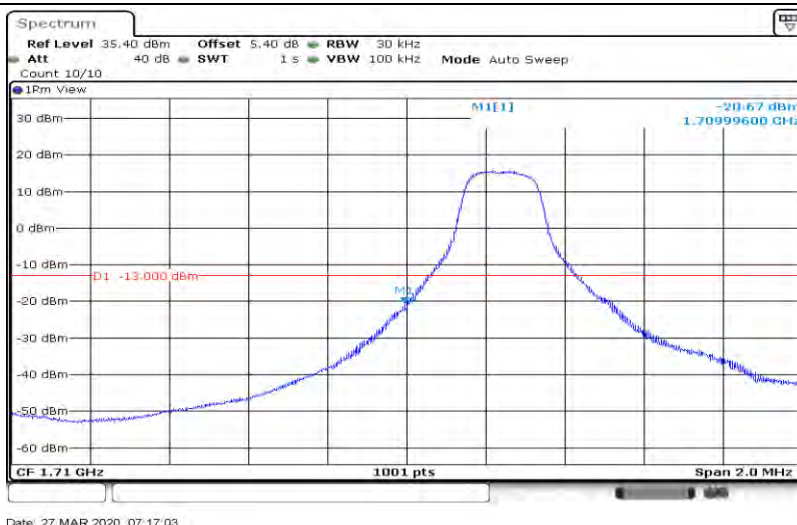


Band4-3MHz-QPSK-19965-1RB#0

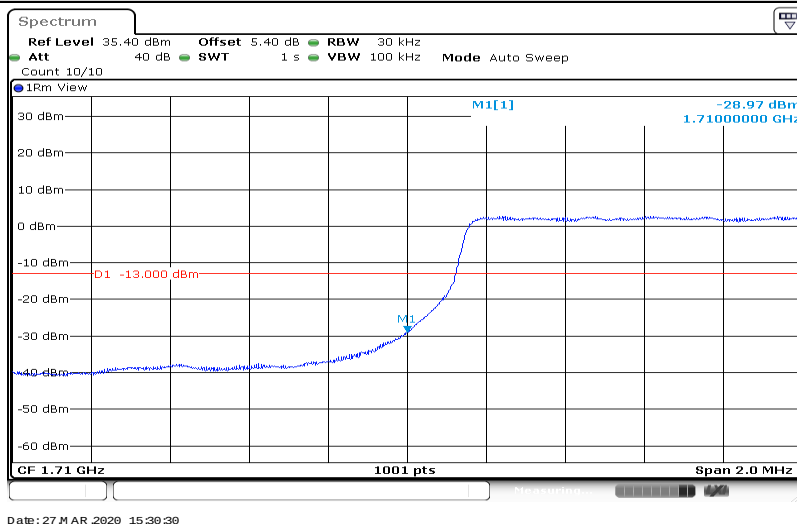


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

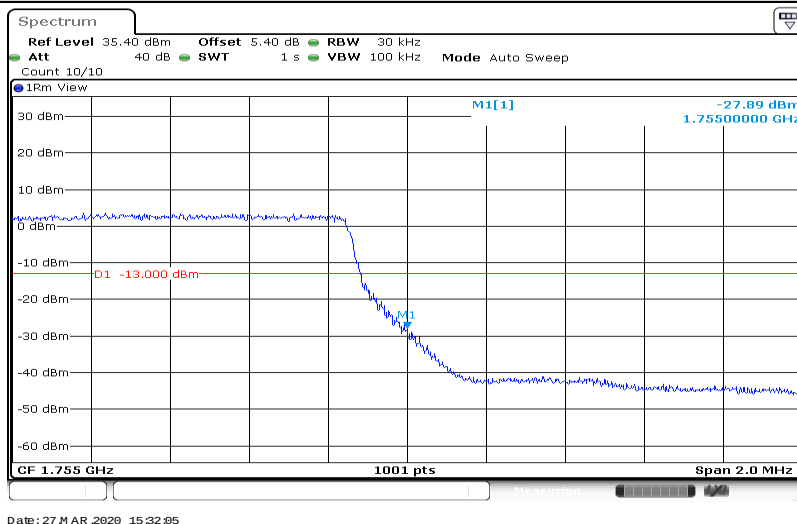


Band4-3MHz-QPSK-20385-1RB#14





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



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



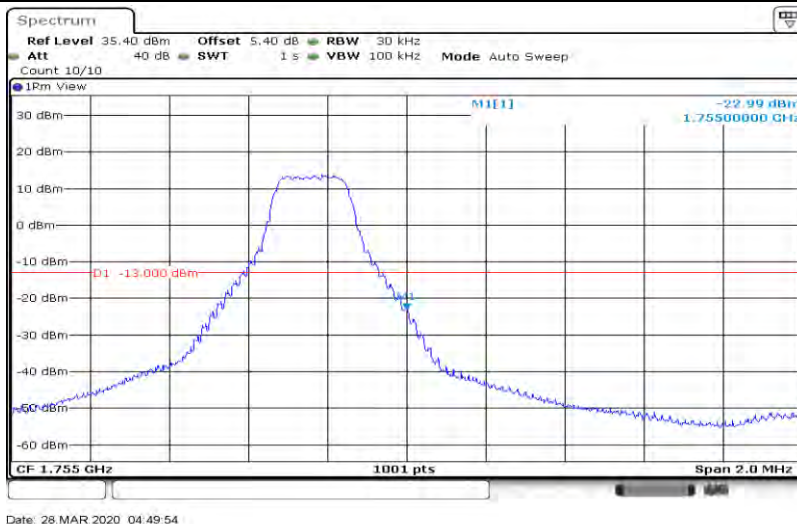


Band4-3MHz-64QAM-19965-15RB#0

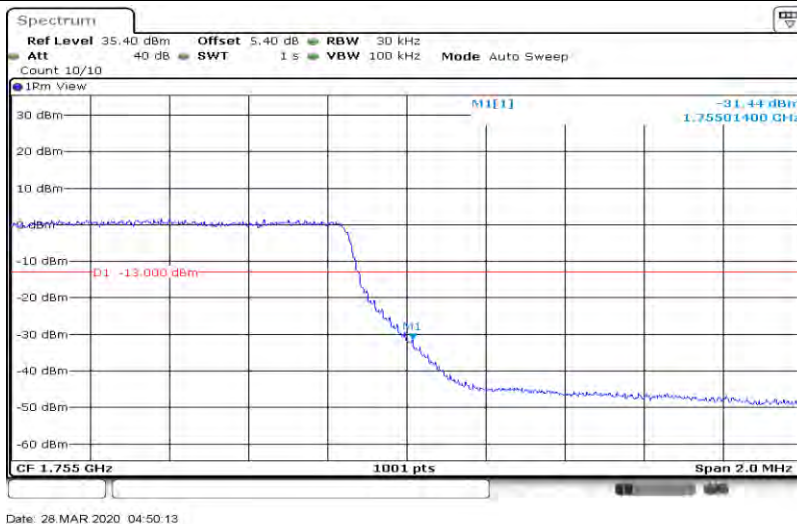


Band4-3MHz-64QAM-20385-1RB#14



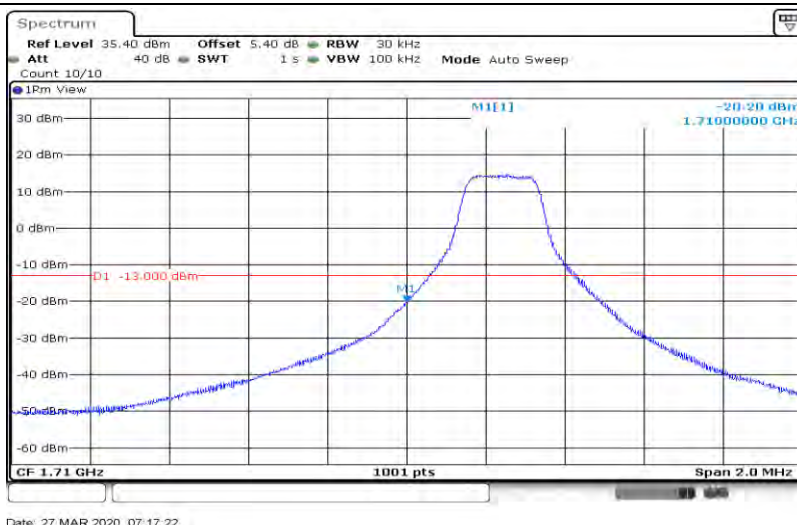


Band4-3MHz-64QAM-20385-15RB#0

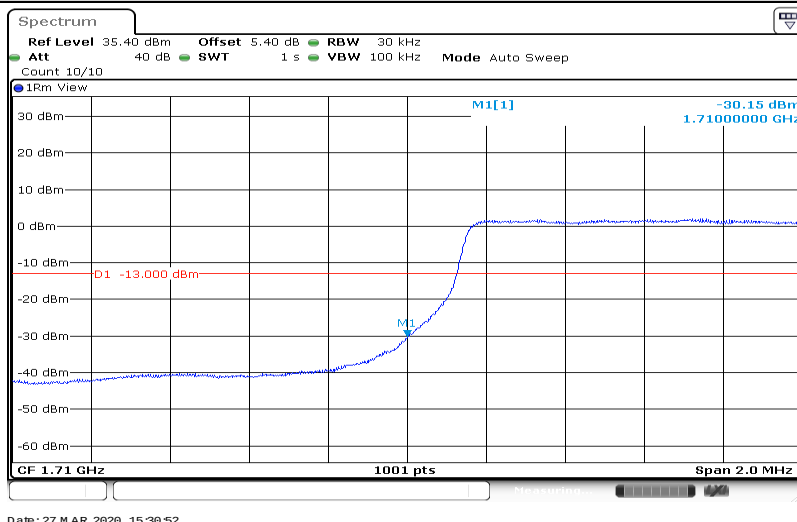


Band4-3MHz-16QAM-19965-1RB#0



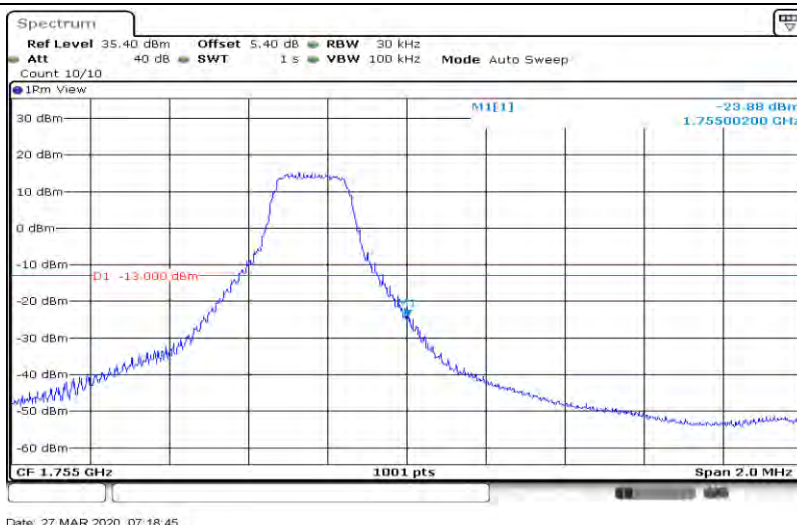


Band4-3MHz-16QAM-19965-15RB#0



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





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

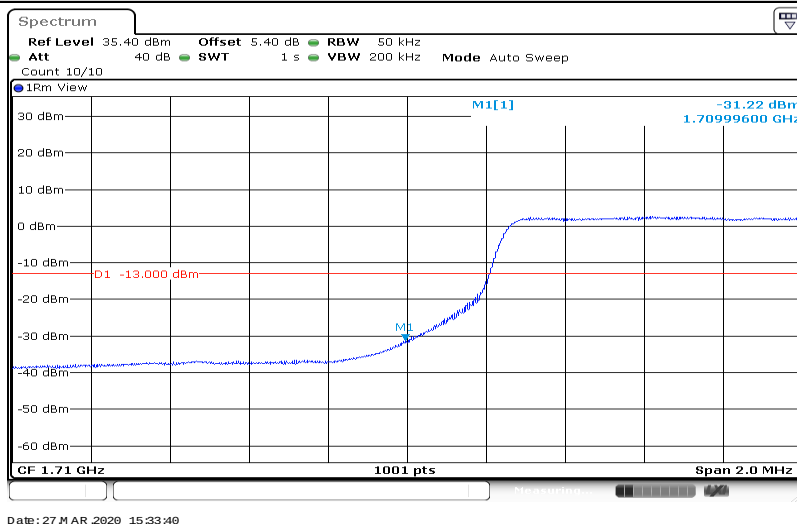


Band4-5MHz-QPSK-19975-1RB#0



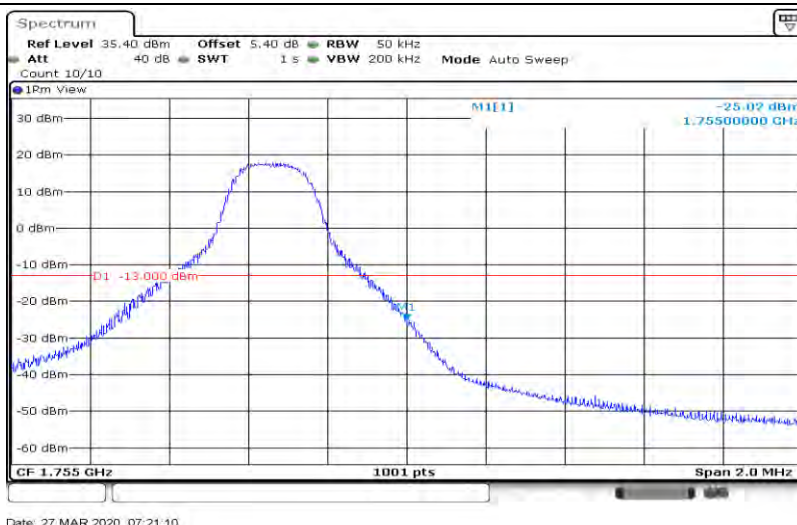


Band4-5MHz-QPSK-19975-25RB#0

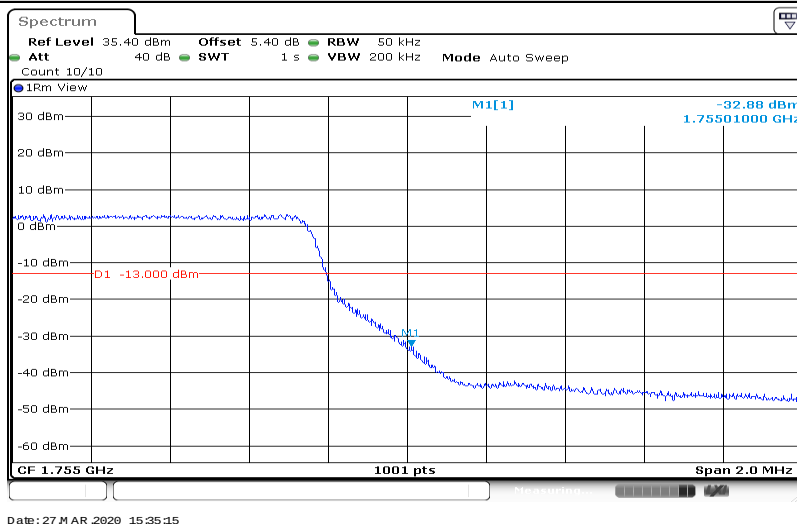


Band4-5MHz-QPSK-20375-1RB#24





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



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





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

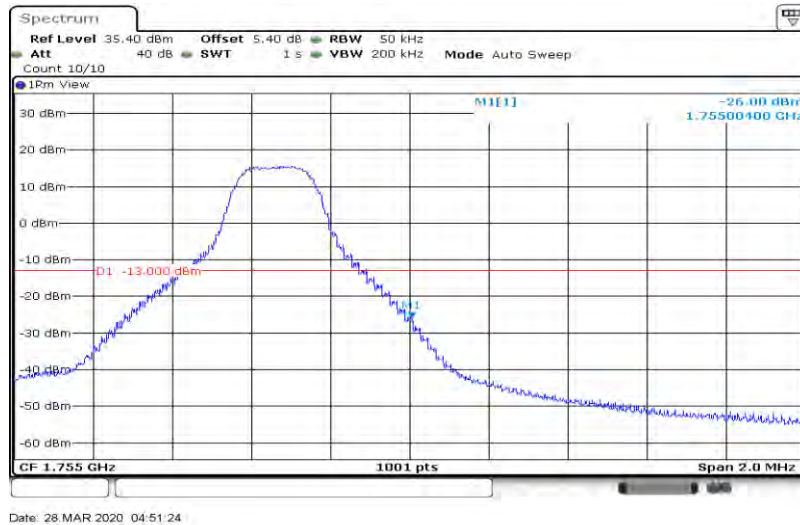


Band4-5MHz-64QAM-20375-1RB#24

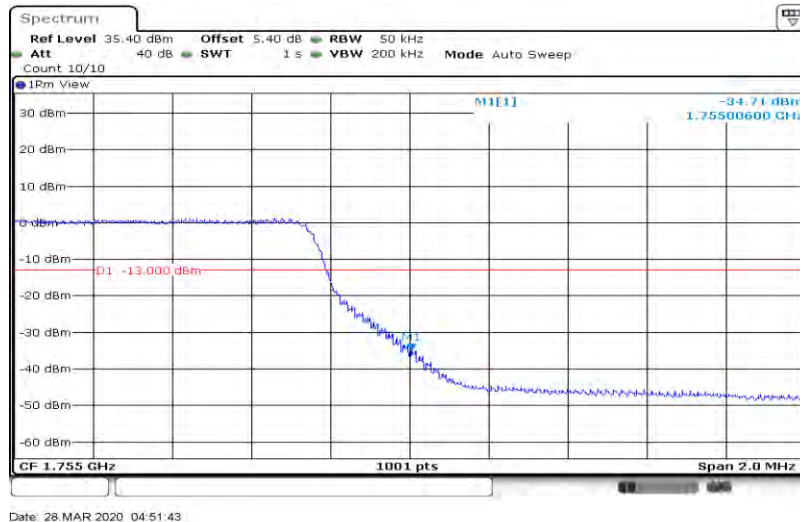


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, 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



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



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



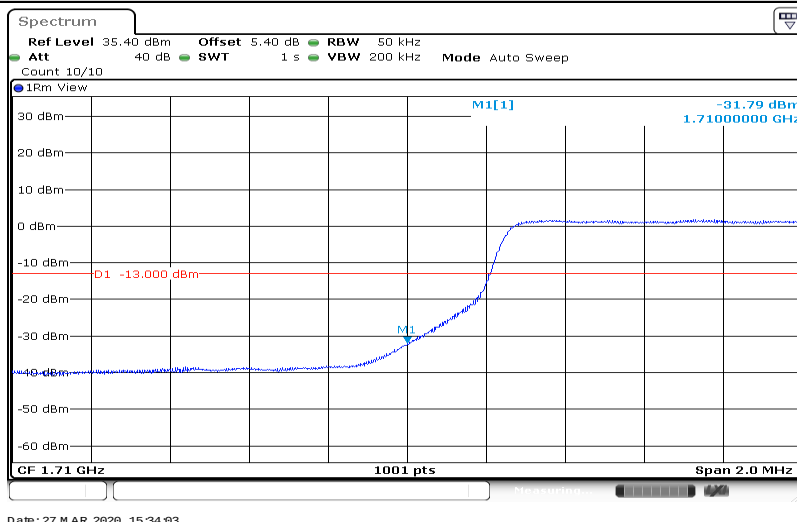
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 27 MAR 2020 07:20:07

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



Date: 27 MAR 2020 15:34:03

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

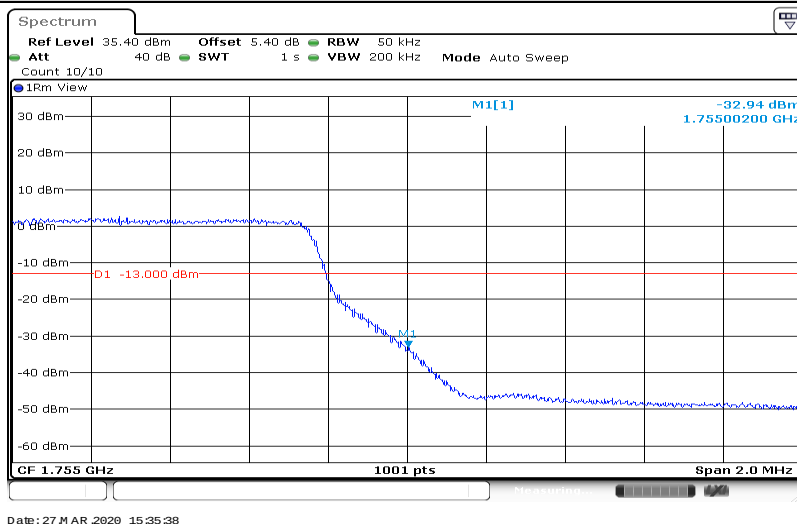


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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



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

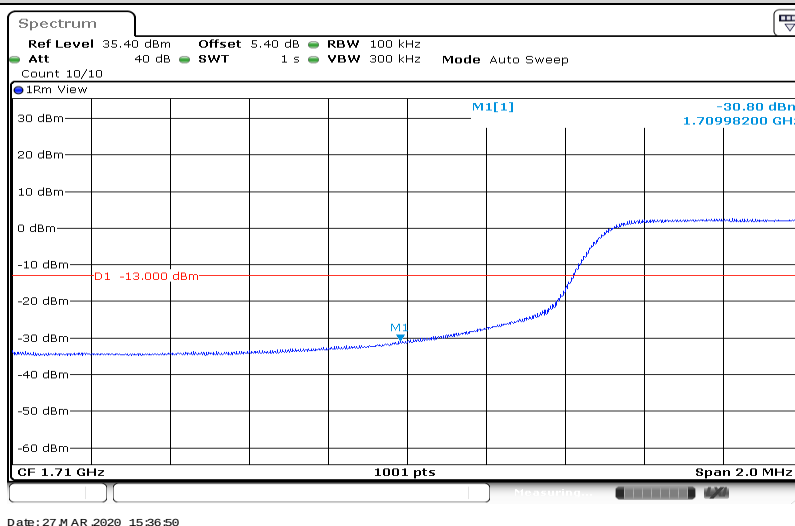


Band4-10MHz-QPSK-20000-1RB#0





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



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



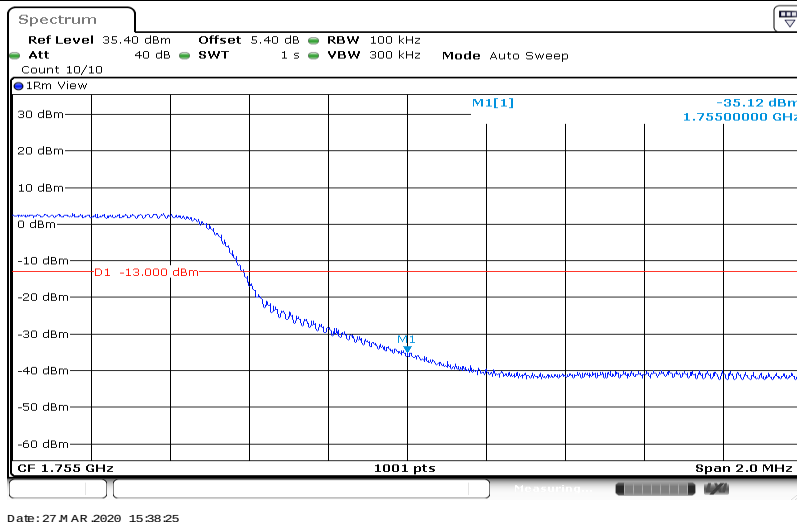
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have read, understood and accepted the Terms and Conditions of the Company and the Client's instructions. If any, The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or signature, is strictly prohibited. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



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



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



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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

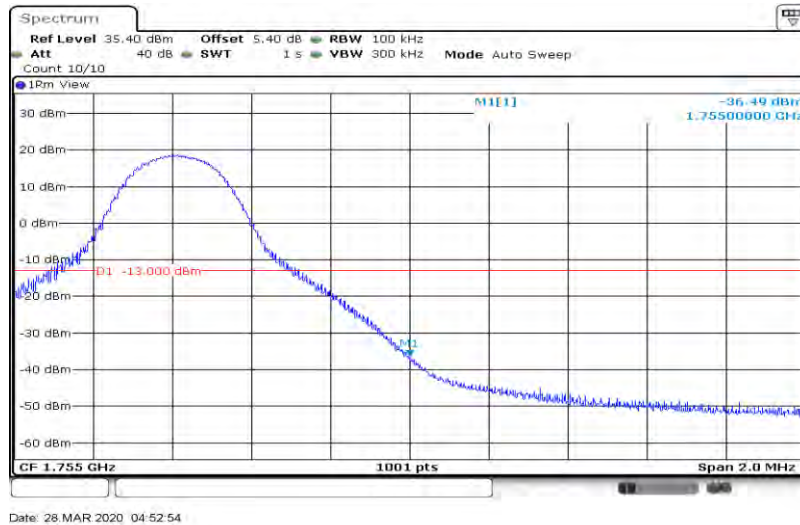


Band4-10MHz-64QAM-20000-50RB#0

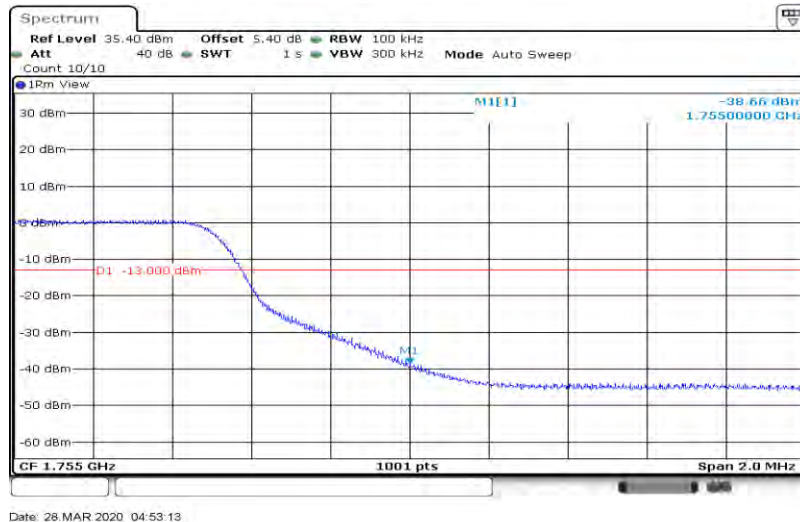


Band4-10MHz-64QAM-20350-1RB#49





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



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



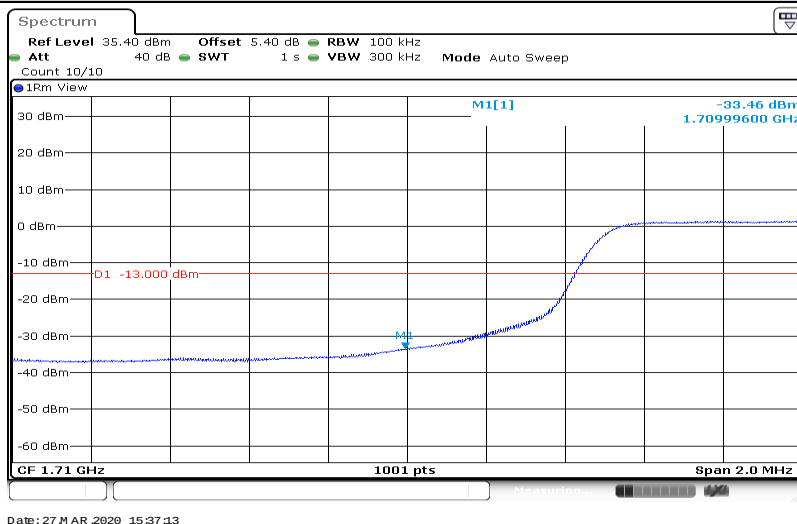
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

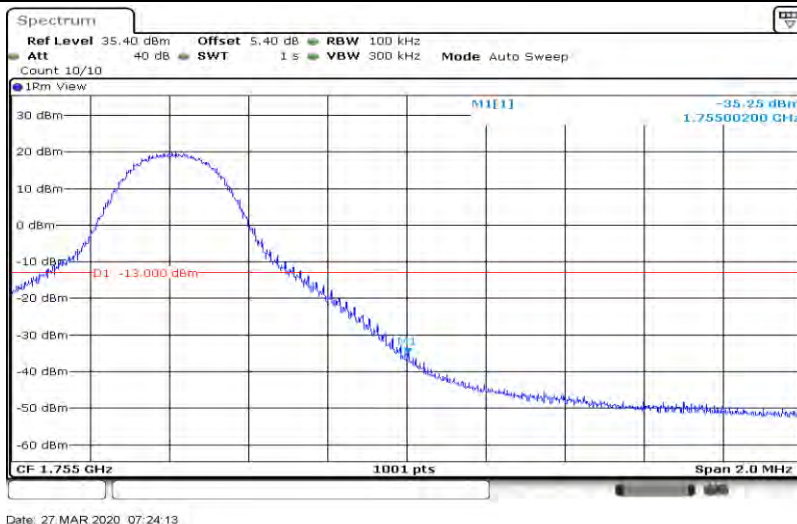


Band4-10MHz-16QAM-20000-50RB#0

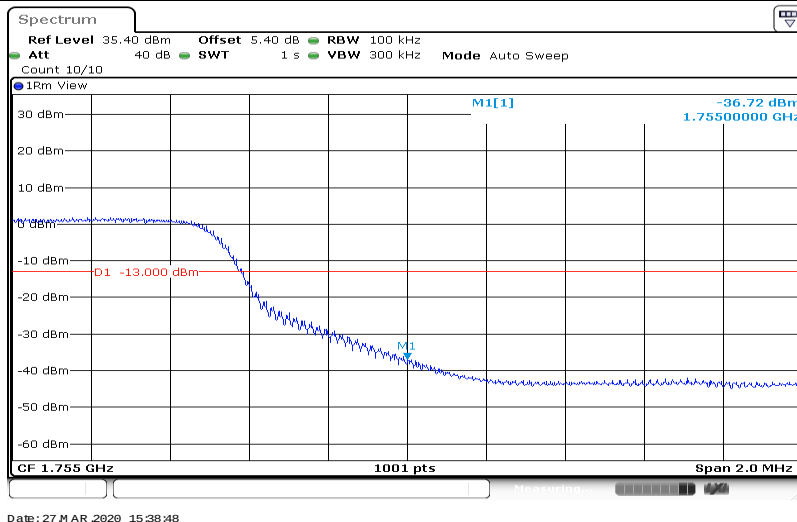


Band4-10MHz-16QAM-20350-1RB#49





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

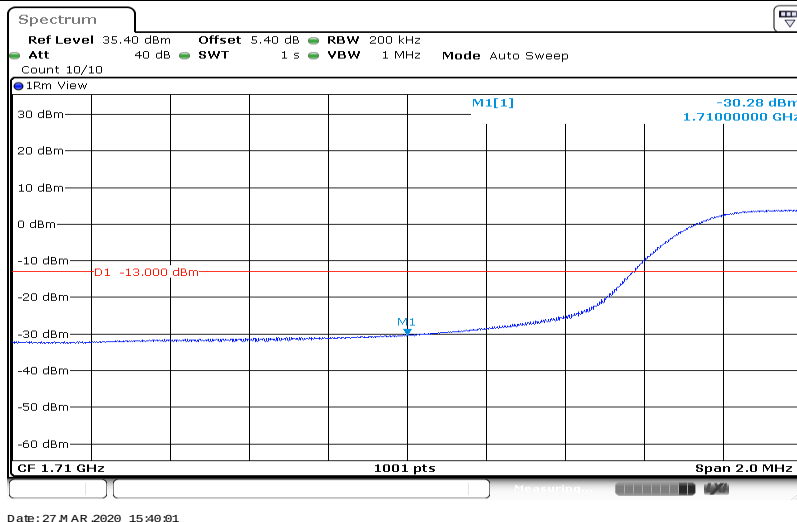


Band4-15MHz-QPSK-20025-1RB#0





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

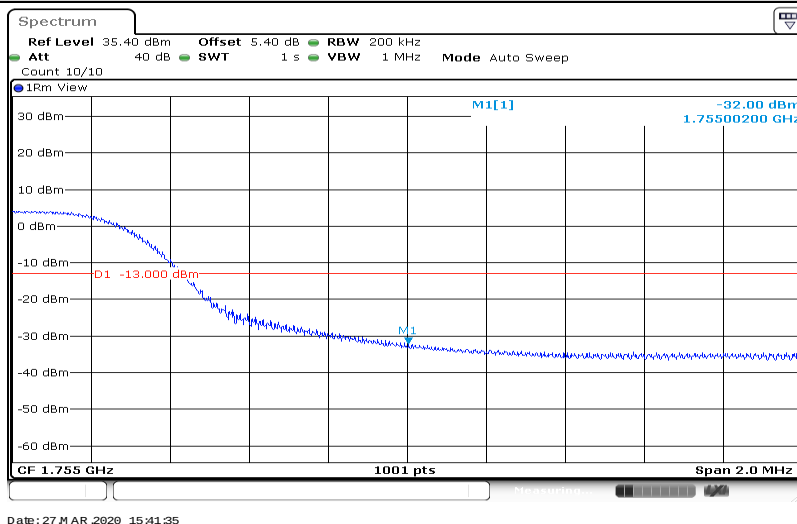


Band4-15MHz-QPSK-20325-1RB#74





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



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





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



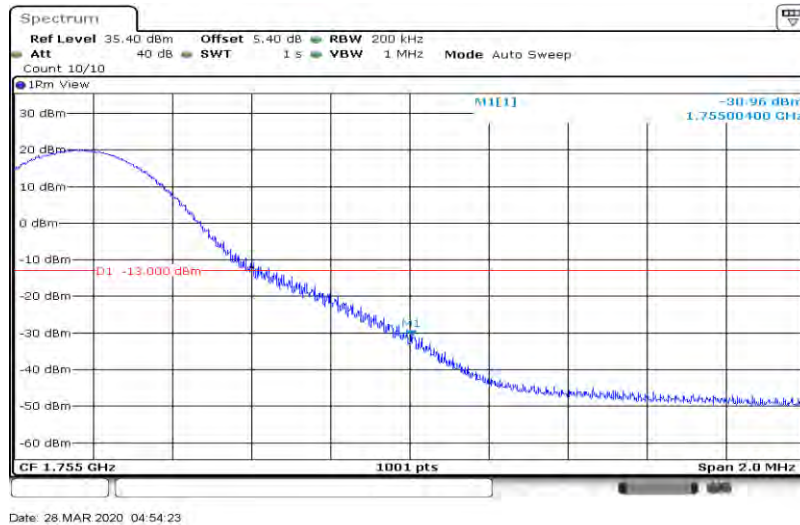
Band4-15MHz-64QAM-20325-1RB#74



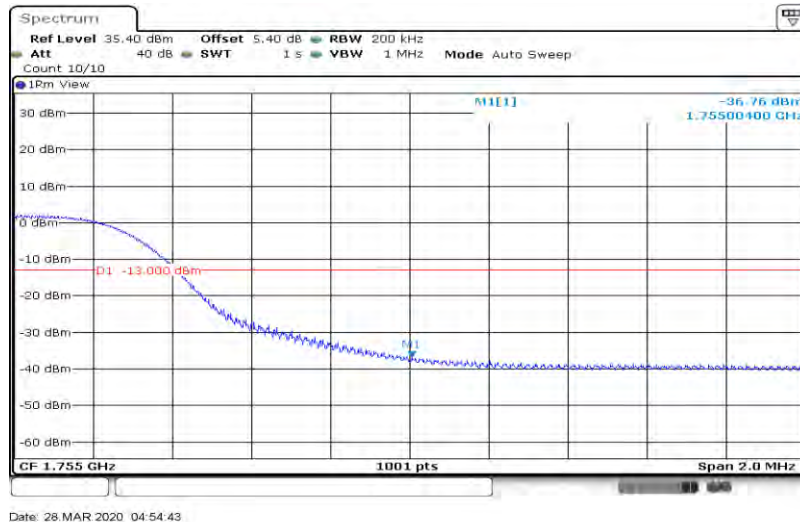
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



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



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





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

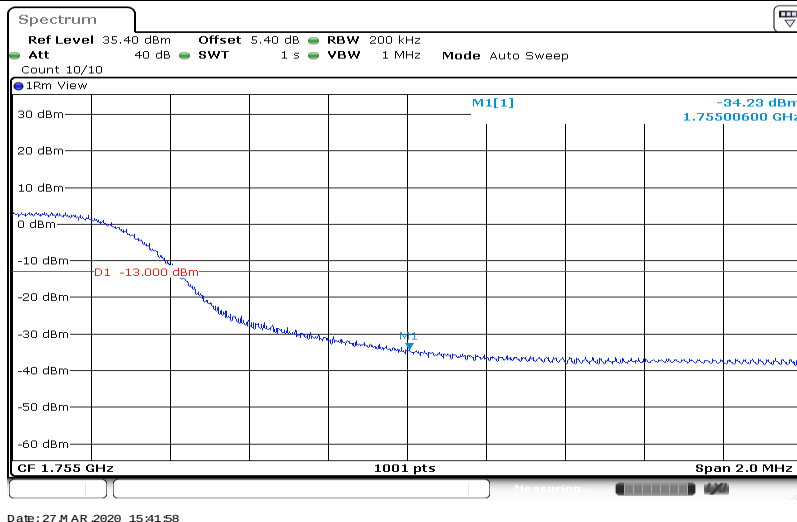


Band4-15MHz-16QAM-20325-1RB#74





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

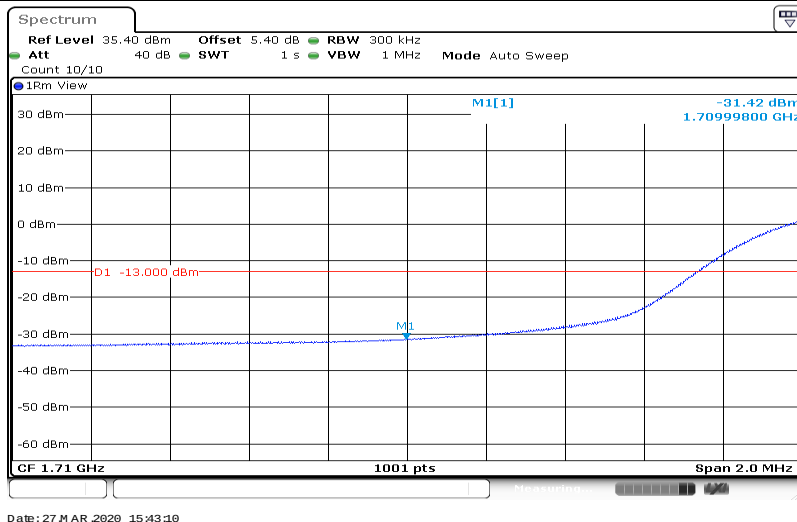


Band4-20MHz-QPSK-20050-1RB#0



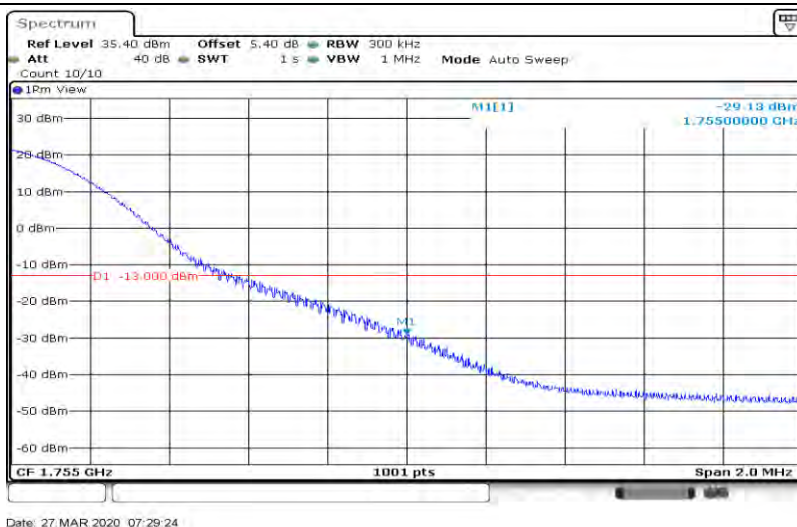


Band4-20MHz-QPSK-20050-100RB#0

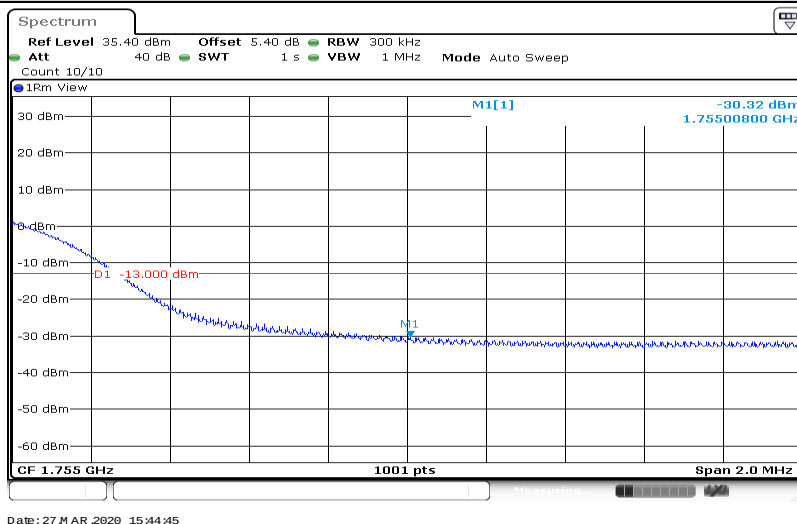


Band4-20MHz-QPSK-20300-1RB#99





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

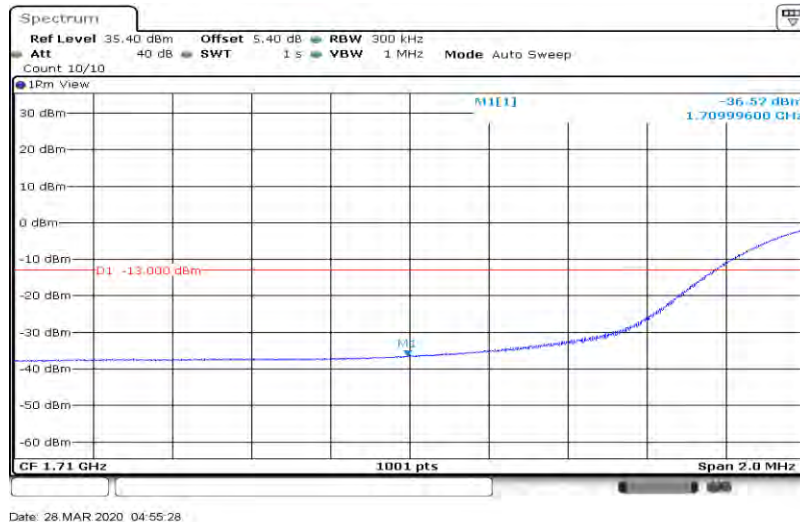


Band4-20MHz-64QAM-20050-1RB#0





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

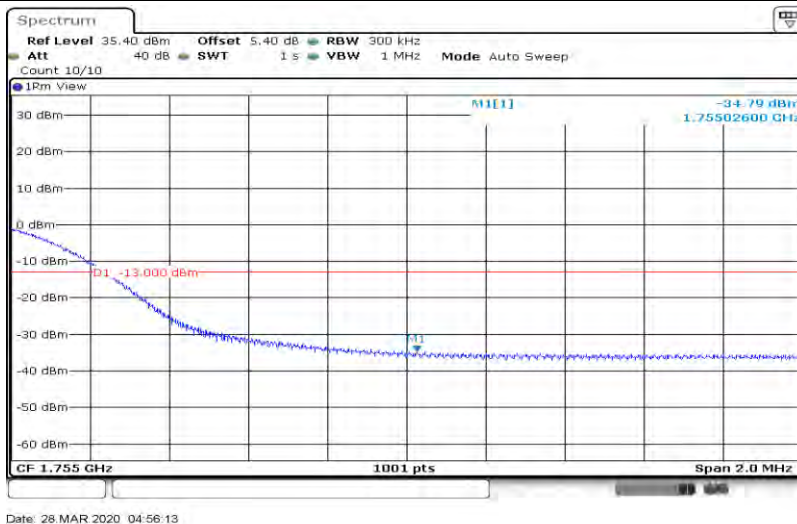


Band4-20MHz-64QAM-20300-1RB#99





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

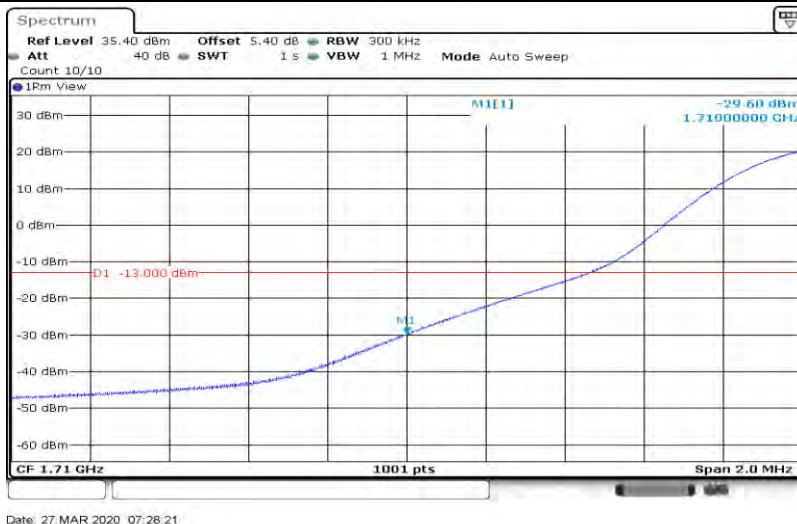


Band4-20MHz-16QAM-20050-1RB#0

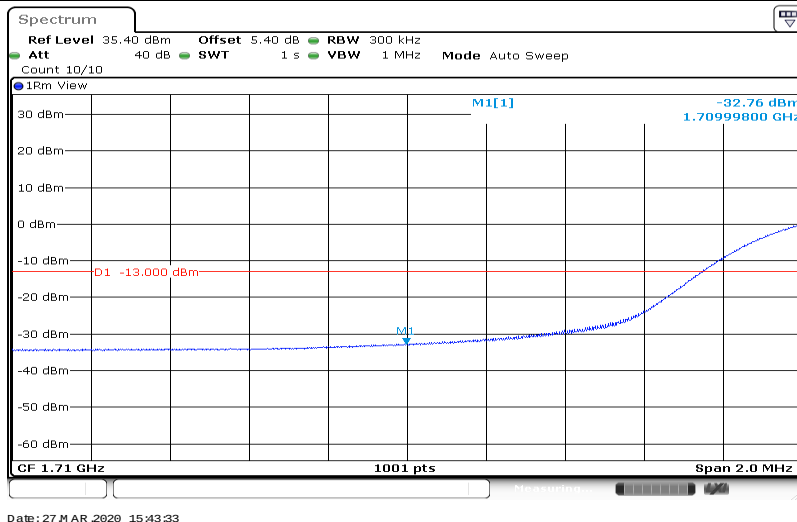


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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-20050-100RB#0



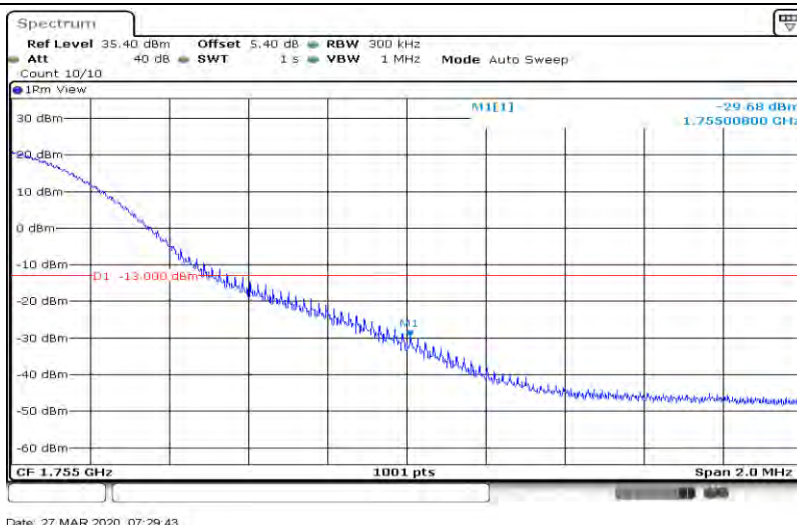
Band4-20MHz-16QAM-20300-1RB#99



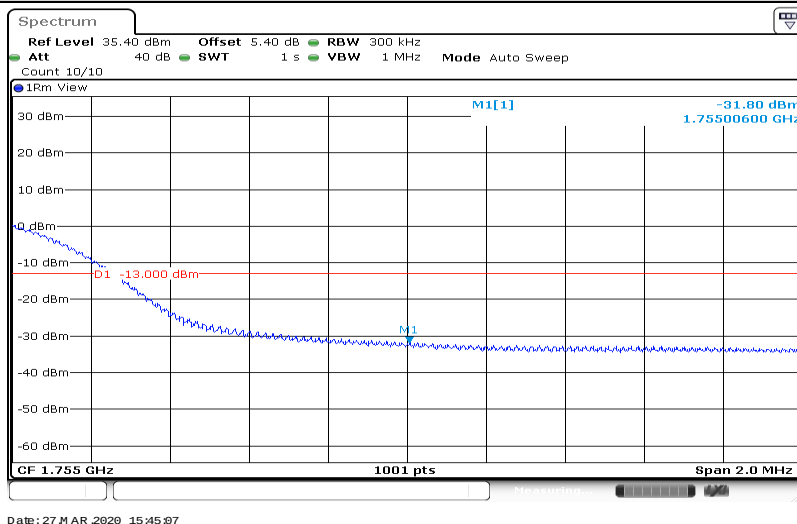
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 83071443, 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-20300-100RB#0



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

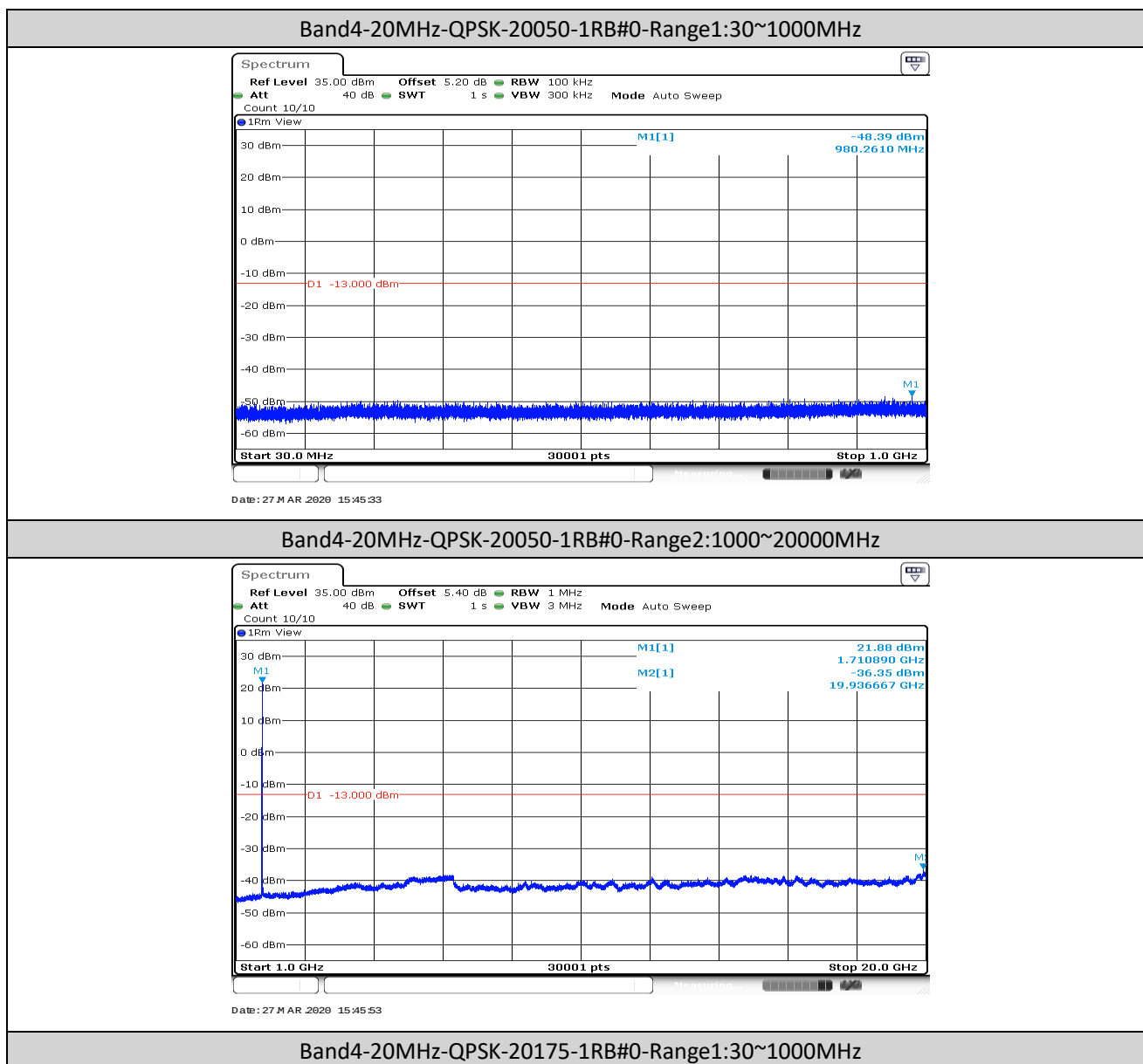


6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Plots

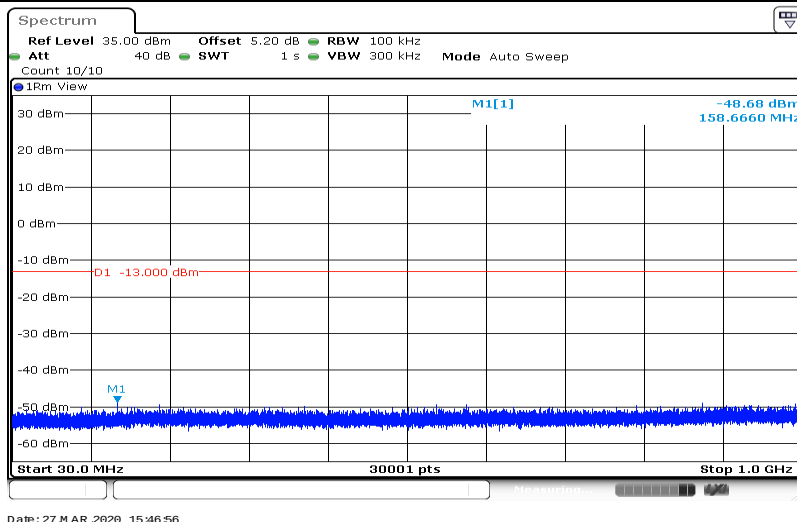


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

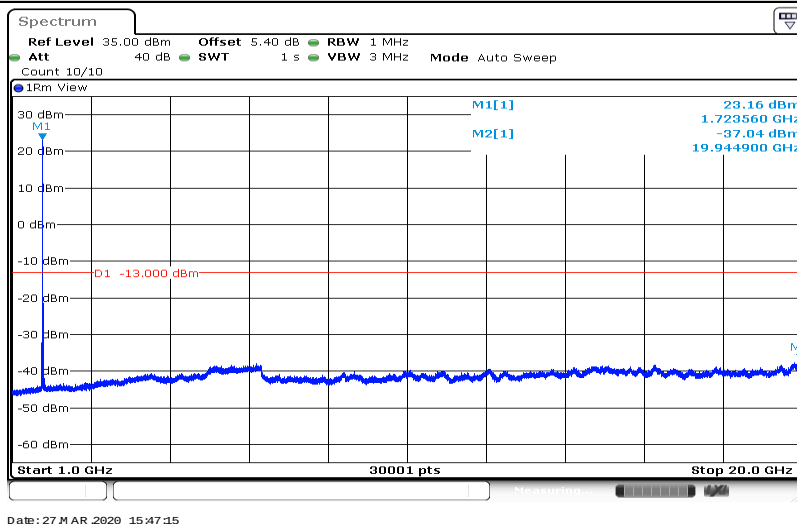
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

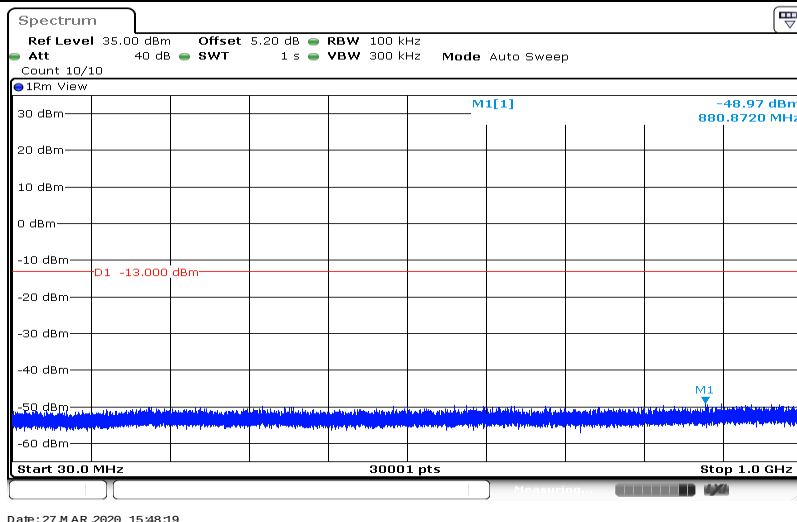


Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

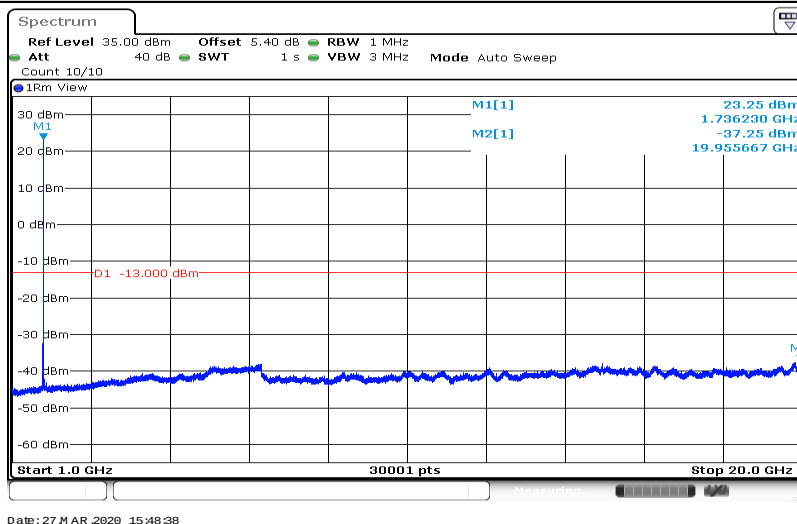


Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz





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

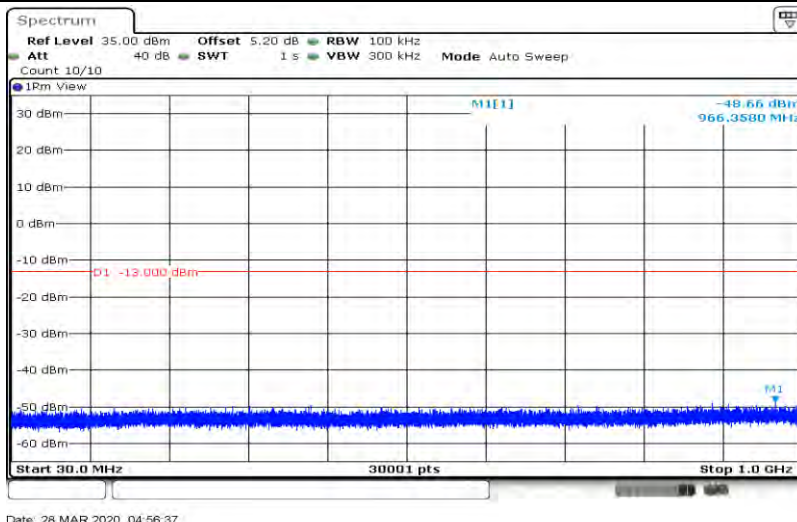


Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz

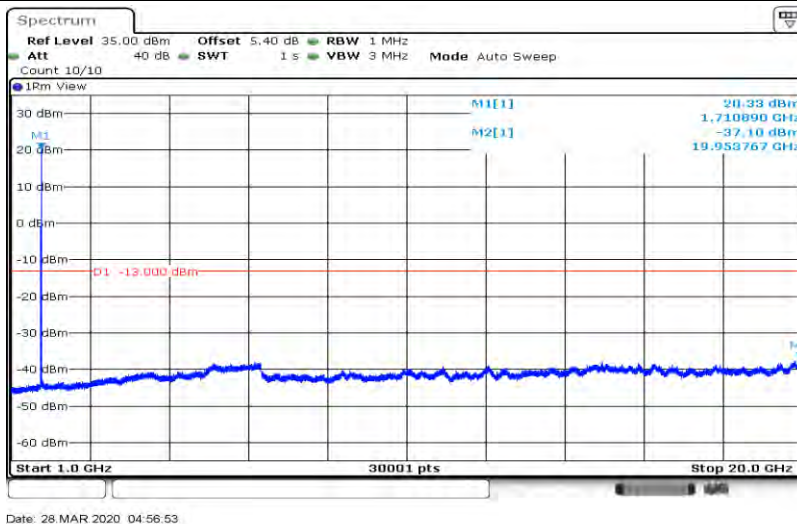


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephones: (86-755) 83071443, 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

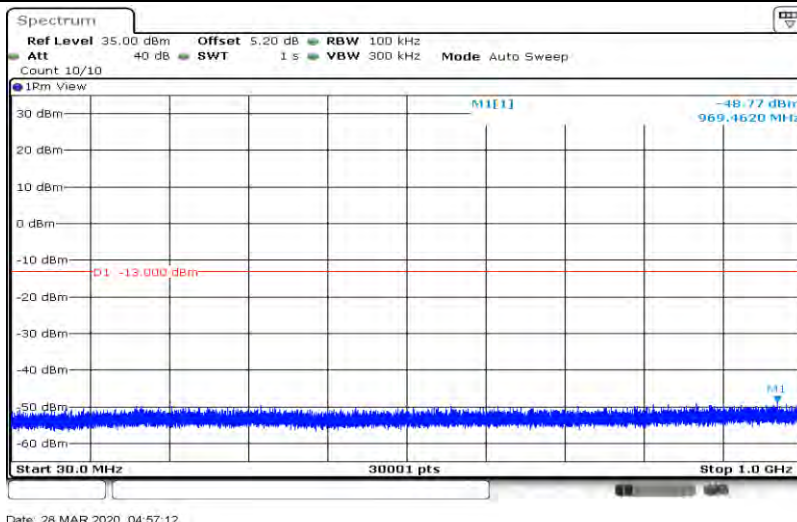


Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz

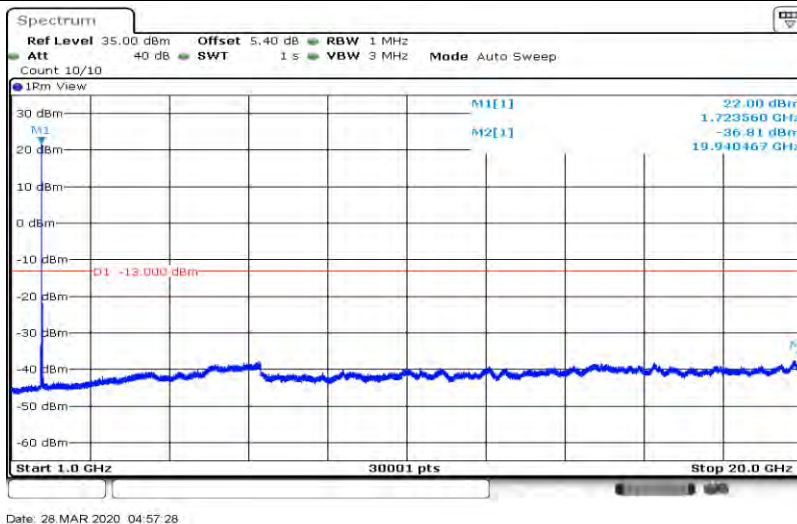


Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz



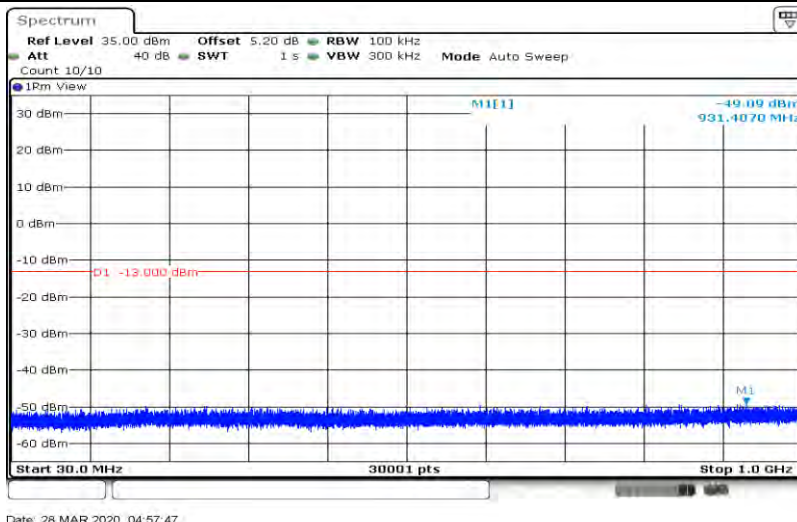


Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz

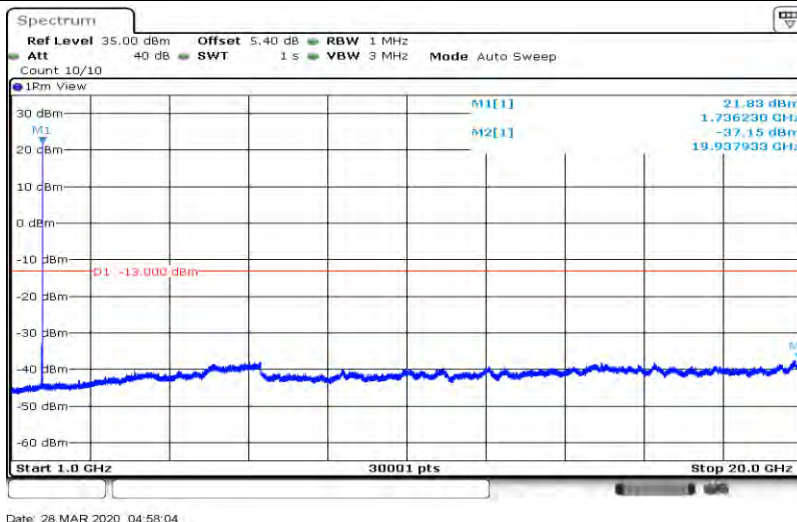


Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz



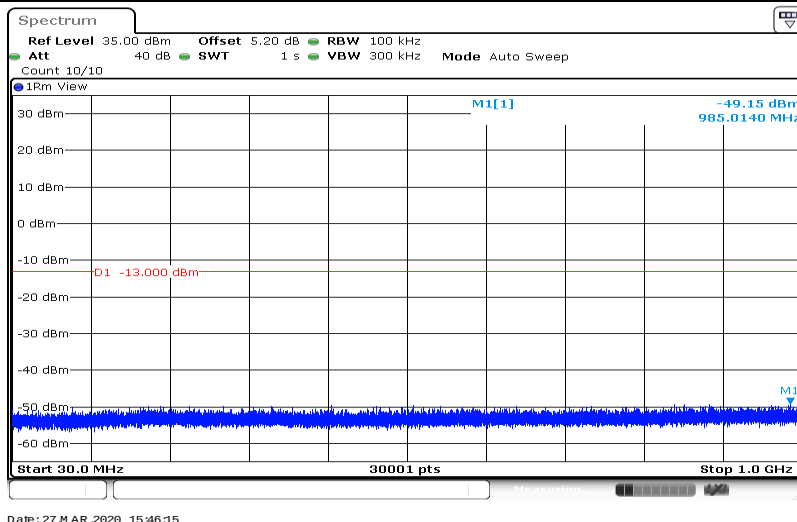


Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz

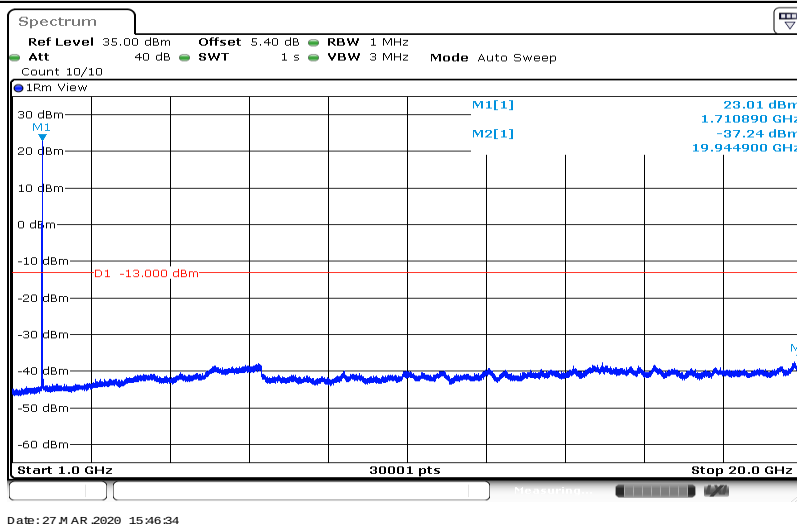


Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



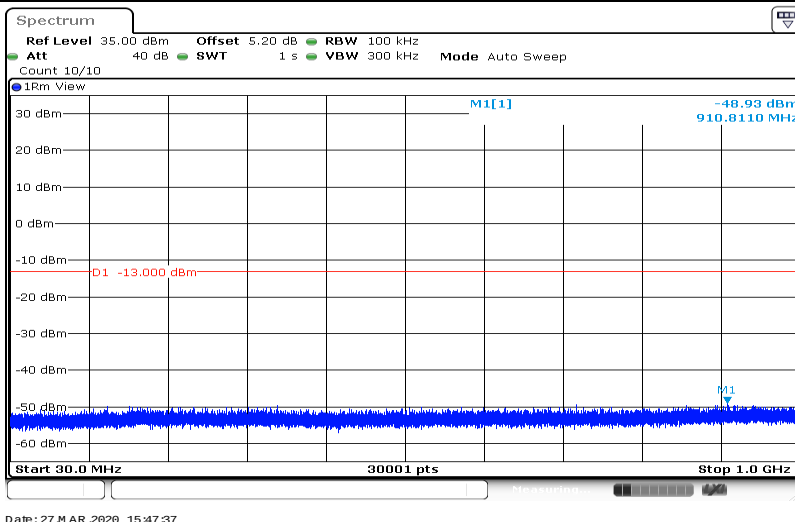


Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz

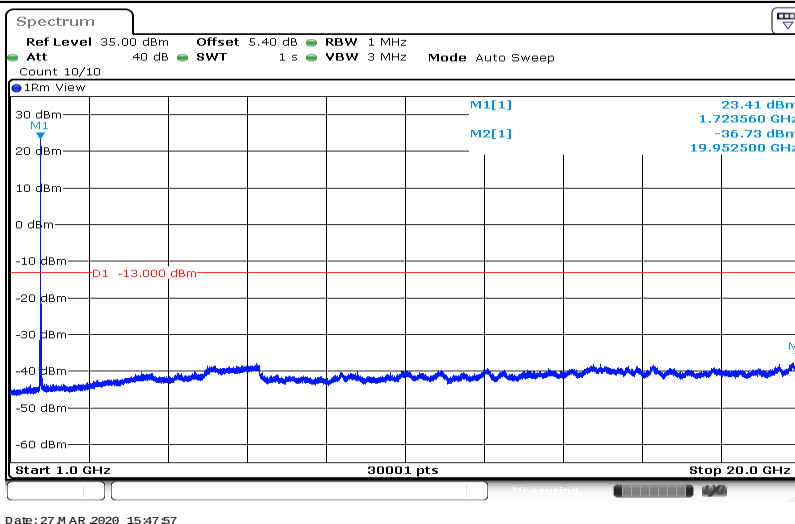


Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



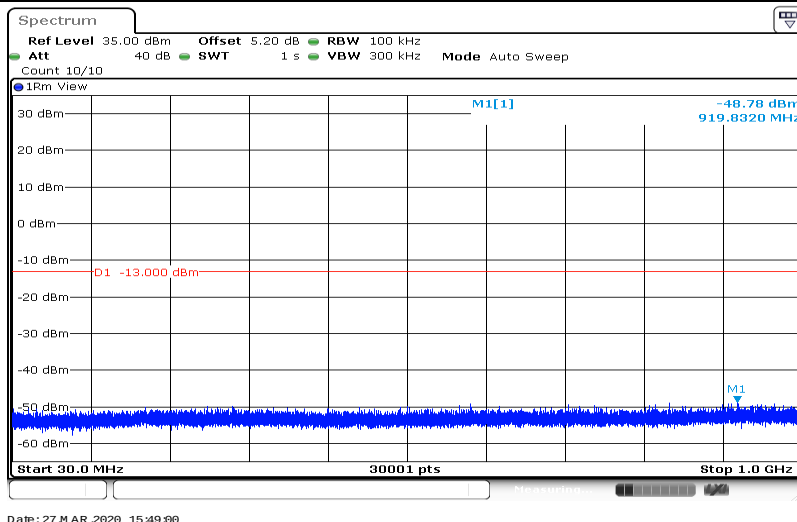


Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz

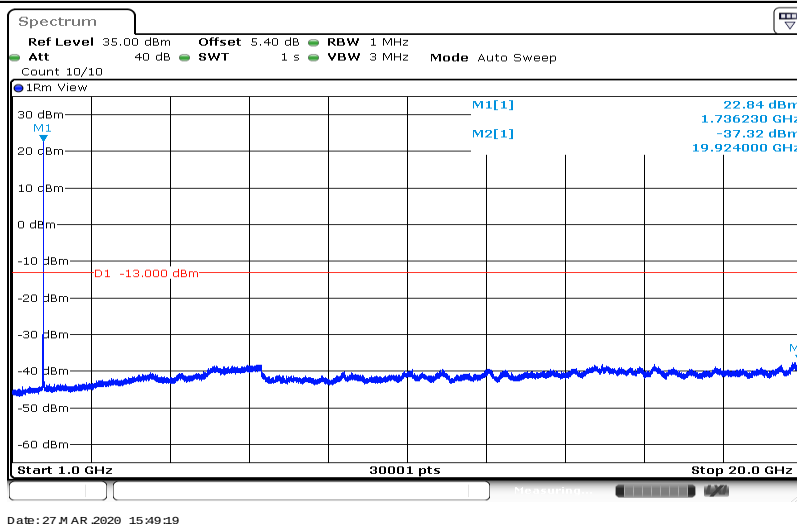


Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz





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





7. Field Strength of Spurious Radiation

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

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.1859	-64.92	-13.00	51.92	Vertical
748.6119	-62.58	-13.00	49.58	Vertical
2575.9152	-32.99	-13.00	19.99	Vertical
7336.6446	-54.82	-13.00	41.82	Vertical
14697.8899	-46.66	-13.00	33.66	Vertical
17997.9999	-38.63	-13.00	25.63	Vertical
44.9872	-64.43	-13.00	51.43	Horizontal
246.5148	-68.52	-13.00	55.52	Horizontal
2695.9392	-35.11	-13.00	22.11	Horizontal
7481.1494	-55.47	-13.00	42.47	Horizontal
16400.9467	-42.93	-13.00	29.93	Horizontal
17998.5000	-43.69	-13.00	30.69	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
114.3457	-65.32	-13.00	52.32	Vertical
619.8380	-64.16	-13.00	51.16	Vertical
2696.3393	-36.61	-13.00	23.61	Vertical
7344.6448	-54.80	-13.00	41.80	Vertical
14700.3900	-46.12	-13.00	33.12	Vertical
17998.5000	-38.66	-13.00	25.66	Vertical
45.5693	-64.42	-13.00	51.42	Horizontal
624.2032	-63.73	-13.00	50.73	Horizontal
2698.7397	-35.43	-13.00	22.43	Horizontal
7351.6451	-55.26	-13.00	42.26	Horizontal
16400.4467	-42.69	-13.00	29.69	Horizontal
17994.9998	-43.70	-13.00	30.70	Horizontal



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区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
113.3757	-64.94	-13.00	51.94	Vertical
694.7742	-63.81	-13.00	50.81	Vertical
2695.1390	-36.21	-13.00	23.21	Vertical
7445.6482	-55.05	-13.00	42.05	Vertical
14449.8817	-46.34	-13.00	33.34	Vertical
17999.5000	-38.61	-13.00	25.61	Vertical
43.0472	-64.21	-13.00	51.21	Horizontal
232.4006	-67.81	-13.00	54.81	Horizontal
2705.1410	-35.10	-13.00	22.10	Horizontal
7445.1482	-55.26	-13.00	42.26	Horizontal
16372.4457	-43.01	-13.00	30.01	Horizontal
17999.5000	-43.70	-13.00	30.70	Horizontal

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

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.7291	-73.00	-13.00	60.00	Vertical
112.2601	-64.82	-13.00	51.82	Vertical
755.2083	-63.08	-13.00	50.08	Vertical
2701.5403	-36.51	-13.00	23.51	Vertical
7353.6451	-54.76	-13.00	41.76	Vertical
17992.9998	-39.23	-13.00	26.23	Vertical
43.6777	-64.63	-13.00	51.63	Horizontal
246.0298	-68.19	-13.00	55.19	Horizontal
593.1617	-64.11	-13.00	51.11	Horizontal
2701.1402	-35.24	-13.00	22.24	Horizontal
7487.1496	-55.48	-13.00	42.48	Horizontal
16400.4467	-42.87	-13.00	29.87	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
115.8978	-65.35	-13.00	52.35	Vertical
354.6752	-68.21	-13.00	55.21	Vertical
724.2152	-62.47	-13.00	49.47	Vertical



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



2701.5403	-36.57	-13.00	23.57	Vertical
7459.6487	-55.26	-13.00	42.26	Vertical
17999.0000	-38.75	-13.00	25.75	Vertical
43.3867	-64.13	-13.00	51.13	Horizontal
238.0754	-68.59	-13.00	55.59	Horizontal
780.9145	-62.04	-13.00	49.04	Horizontal
2701.1402	-35.41	-13.00	22.41	Horizontal
7502.1501	-55.45	-13.00	42.45	Horizontal
16397.4466	-42.82	-13.00	29.82	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
81.1701	-68.78	-13.00	55.78	Vertical
110.9505	-64.57	-13.00	51.57	Vertical
852.5041	-61.78	-13.00	48.78	Vertical
2997.5995	-37.40	-13.00	24.40	Vertical
7358.6453	-54.96	-13.00	41.96	Vertical
17997.4999	-39.22	-13.00	26.22	Vertical
46.3453	-64.13	-13.00	51.13	Horizontal
230.6545	-68.61	-13.00	55.61	Horizontal
736.2438	-62.06	-13.00	49.06	Horizontal
2689.1378	-35.33	-13.00	22.33	Horizontal
7456.1485	-55.39	-13.00	42.39	Horizontal
16384.4461	-43.27	-13.00	30.27	Horizontal

Remark:

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





8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-0.20	-0.000116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	6.70	0.003895	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-4.00	-0.002309	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1.50	0.000866	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-11.20	-0.006418	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-8.30	-0.004756	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-4.10	-0.002350	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	-7.20	-0.004186	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	-5.90	-0.003430	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	-8.60	-0.005000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-6.90	-0.003983	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	5.20	0.003001	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	-11.60	-0.006696	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	2.70	0.001547	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	7.60	0.004355	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-9.60	-0.005581	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-9.90	-0.005756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	0.50	0.000291	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.00	-0.001732	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	3.80	0.002193	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-3.30	-0.001905	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-5.60	-0.003209	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-8.20	-0.004699	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	6.40	0.003668	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
------	-----------	------------	---------	--------------	---------------	------------------	----------------	-----------------	-------------	---------



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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	QPSK	20050	100RB#0	NV	-30	1.10	0.000640	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-1.30	-0.000756	±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	-7.30	-0.004244	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-3.70	-0.002151	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	7.60	0.004419	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-2.20	-0.001279	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	1.40	0.000814	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.40	0.000808	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-5.00	-0.002886	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	2.50	0.001443	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	2.30	0.001328	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-11.20	-0.006465	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.30	-0.001905	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-9.40	-0.005426	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	0.60	0.000344	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-8.70	-0.004986	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	3.20	0.001834	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-11.00	-0.006304	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	5.30	0.003037	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	5.20	0.002980	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-8.00	-0.004585	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-5.30	-0.003037	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	2.80	0.001628	±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	0	7.40	0.004302	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	3.50	0.002035	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	3.30	0.001919	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	2.10	0.001221	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	-1.60	-0.000930	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-7.10	-0.004128	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-10.20	-0.005887	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	-4.90	-0.002828	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	6.30	0.003636	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	6.20	0.003579	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	-6.50	-0.003752	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	3.00	0.001732	±2.5	PASS



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

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



Band4	20MHz	64QAM	20175	100RB#0	NV	40	5.90	0.003405	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-5.30	-0.003059	±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	-20	-5.20	-0.002980	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	2.80	0.001605	±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	20	-7.20	-0.004126	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-8.50	-0.004871	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-6.50	-0.003725	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	1.50	0.000860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	3.00	0.001744	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	6.50	0.003779	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-9.40	-0.005465	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-9.50	-0.005523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	4.70	0.002733	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	5.00	0.002907	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-2.70	-0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-10.20	-0.005930	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-8.20	-0.004733	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-7.00	-0.004040	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	6.10	0.003521	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-5.70	-0.003290	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-10.00	-0.005772	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	6.00	0.003463	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	7.10	0.004069	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-7.60	-0.004355	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.60	-0.000917	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	2.90	0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-4.40	-0.002521	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-9.80	-0.005616	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	0.30	0.000172	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-8.40	-0.004814	±2.5	PASS



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

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

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