



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 telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1.	TEST RESULT FOR ANT2	3
1.2.	TEST RESULT FOR ANT3	11
2.	PEAK-TO-AVERAGE RATIO (CCDF)	20
2.1.	TEST RESULT	20
2.2.	TEST PLOTS	20
3.	MODULATION CHARACTERISTICS	25
3.1.	TEST MODE = LTE /TM1 20MHZ	25
3.1.1.	TEST CHANNEL = MCH	25
3.2.	TEST MODE = LTE /TM2 20MHZ	26
3.2.1.	TEST CHANNEL = MCH	26
3.3.	TEST MODE = LTE /TM3 20MHZ	27
3.3.1.	TEST CHANNEL = MCH	27
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	28
4.1.	TEST RESULT	28
4.2.	TEST PLOTS	30
5.	BAND EDGE COMPLIANCE	57
5.1.	TEST PLOTS	57
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	93
6.1.	TEST PLOTS	93
7.	FIELD STRENGTH OF SPURIOUS RADIATION	102
7.1.	TEST MODE =LTE/TM1 (ANT2)	102
7.1.1.	TEST CHANNEL = LCH	102
7.1.2.	TEST CHANNEL = MCH	102
7.1.3.	TEST CHANNEL = HCH	103
7.2.	TEST MODE =LTE/TM1 (ANT3)	103
7.2.1.	TEST CHANNEL = LCH	103
7.2.2.	TEST CHANNEL = MCH	104
7.2.3.	TEST CHANNEL = HCH	104
8.	FREQUENCY STABILITY	105
8.1.	FREQUENCY VS VOLTAGE	105
8.2.	FREQUENCY VS TEMPERATURE	105



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result for Ant2

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.11	20.71	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.24	20.84	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.13	20.73	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.11	20.71	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#2	23.17	20.77	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.11	20.71	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.17	19.77	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.90	20.50	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.98	20.58	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.99	20.59	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.01	20.61	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#2	23.09	20.69	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.95	20.55	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.08	19.68	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.80	20.40	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.95	20.55	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.80	20.40	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.93	20.53	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#2	22.91	20.51	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.94	20.54	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.92	19.52	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.55	19.15	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.66	19.26	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.65	19.25	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.96	18.56	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#2	21.24	18.84	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.98	18.58	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.16	17.76	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.60	19.20	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.22	18.82	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.97	18.57	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.06	18.66	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#2	21.06	18.66	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.05	18.65	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.87	17.47	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.06	18.66	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.12	18.72	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.91	18.51	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
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	64QAM	20393	3RB#0	21.19	18.79	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#2	20.88	18.48	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.69	18.29	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.10	17.70	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.60	20.20	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.67	20.27	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.72	20.32	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.11	19.71	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#2	22.24	19.84	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.08	19.68	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.36	18.96	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.78	20.38	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.27	19.87	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.22	19.82	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.22	19.82	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#2	22.19	19.79	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.22	19.82	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.02	18.62	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.24	19.84	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.29	19.89	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.11	19.71	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.20	19.80	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#2	21.94	19.54	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.92	19.52	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.10	18.70	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.32	20.92	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#7	23.21	20.81	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.22	20.82	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.30	19.90	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.35	19.95	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.24	19.84	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.29	19.89	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.01	20.61	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#7	22.96	20.56	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.09	20.69	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.14	19.74	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.14	19.74	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.21	19.81	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.16	19.76	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.01	20.61	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#7	23.08	20.68	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.90	20.50	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.08	19.68	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.10	19.70	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.99	19.59	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.10	19.70	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.44	19.04	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

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	64QAM	19965	1RB#7	21.35	18.95	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.59	19.19	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.06	17.66	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.17	17.77	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.02	17.62	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.12	17.72	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.03	18.63	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#7	20.84	18.44	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.62	19.22	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.04	17.64	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.28	17.88	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.13	17.73	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.02	17.62	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.90	18.50	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#7	21.05	18.65	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.21	18.81	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.05	17.65	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.08	17.68	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.13	17.73	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.96	17.56	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.51	20.11	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#7	22.40	20.00	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.68	20.28	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.16	18.76	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.33	18.93	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.16	18.76	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.29	18.89	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.18	19.78	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#7	21.93	19.53	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.74	20.34	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.22	18.82	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.29	18.89	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.17	18.77	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.11	18.71	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.15	19.75	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#7	22.19	19.79	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.23	19.83	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.20	18.80	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.23	18.83	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.15	18.75	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.01	18.61	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.17	20.77	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#13	23.07	20.67	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.15	20.75	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.32	19.92	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.32	19.92	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.28	19.88	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



Band4	5MHz	QPSK	19975	25RB#0	22.25	19.85	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.09	20.69	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#13	23.16	20.76	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.21	20.81	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.09	19.69	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.39	19.99	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.26	19.86	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.16	19.76	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.88	20.48	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#13	23.11	20.71	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.91	20.51	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.05	19.65	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.12	19.72	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.09	19.69	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.03	19.63	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.26	18.86	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#13	21.41	19.01	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.38	18.98	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.20	17.80	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.12	17.72	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.28	17.88	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.08	17.68	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.52	19.12	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#13	21.85	19.45	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.27	18.87	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.15	17.75	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.22	17.82	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	19.91	17.51	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.03	17.63	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.39	18.99	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#13	21.37	18.97	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.08	18.68	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.01	17.61	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.92	17.52	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.02	17.62	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.88	17.48	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.41	20.01	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#13	22.58	20.18	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.63	20.23	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.32	18.92	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.32	18.92	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.29	18.89	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.22	18.82	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.64	20.24	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#13	23.00	20.60	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.33	19.93	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.15	18.75	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 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	5MHz	16QAM	20175	12RB#6	21.25	18.85	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.16	18.76	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.20	18.80	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.41	20.01	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#13	22.56	20.16	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.28	19.88	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.07	18.67	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.11	18.71	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.14	18.74	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.08	18.68	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.53	21.13	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.22	20.82	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.14	20.74	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.16	19.76	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.31	19.91	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.35	19.95	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.32	19.92	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.02	20.62	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.06	20.66	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.23	20.83	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.12	19.72	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.11	19.71	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.26	19.86	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.14	19.74	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.79	20.39	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.09	20.69	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.15	20.75	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.04	19.64	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.11	19.71	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.13	19.73	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.04	19.64	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.59	19.19	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.36	18.96	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.24	18.84	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.03	17.63	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.06	17.66	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.16	17.76	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.12	17.72	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.45	19.05	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.56	19.16	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.07	18.67	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	19.90	17.50	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.83	17.43	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.13	17.73	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.04	17.64	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.16	18.76	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.93	18.53	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	10MHz	64QAM	20350	1RB#49	21.39	18.99	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.00	17.60	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.02	17.62	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.11	17.71	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.78	17.38	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.67	20.27	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.47	20.07	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.45	20.05	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.16	18.76	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.30	18.90	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.24	18.84	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.32	18.92	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.57	20.17	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.62	20.22	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.14	19.74	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.06	18.66	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.04	18.64	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.34	18.94	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.14	18.74	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.35	19.95	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.17	19.77	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.56	20.16	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.06	18.66	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.05	18.65	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.13	18.73	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.99	18.59	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.39	20.99	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.29	20.89	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.35	20.95	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.45	20.05	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.51	20.11	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.42	20.02	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.50	20.10	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.35	20.95	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.21	20.81	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.23	20.83	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.40	20.00	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.37	19.97	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.39	19.99	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.34	19.94	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.41	21.01	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.12	20.72	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.19	20.79	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.27	19.87	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.27	19.87	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.31	19.91	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.28	19.88	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-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	15MHz	64QAM	20025	1RB#0	21.54	19.14	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.36	18.96	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.40	19.00	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.33	17.93	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.40	18.00	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.30	17.90	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.38	17.98	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.56	19.16	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.79	19.39	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.44	19.04	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.36	17.96	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.16	17.76	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.21	17.81	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.33	17.93	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.57	19.17	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.57	19.17	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.72	19.32	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.21	17.81	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#18	20.10	17.70	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.37	17.97	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.13	17.73	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.62	20.22	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.42	20.02	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.51	20.11	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.45	19.05	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.44	19.04	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.34	18.94	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.49	19.09	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.70	20.30	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.90	20.50	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.53	20.13	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.41	19.01	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.36	18.96	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.39	18.99	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.37	18.97	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.76	20.36	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.75	20.35	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.77	20.37	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.37	18.97	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.29	18.89	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.38	18.98	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.29	18.89	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.16	20.76	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.30	20.90	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.23	20.83	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.58	20.18	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.45	20.05	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	20MHz	QPSK	20050	50RB#50	22.47	20.07	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.53	20.13	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.27	20.87	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.02	20.62	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.33	20.93	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.39	19.99	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.56	20.16	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.33	19.93	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.27	19.87	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.44	21.04	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.34	20.94	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.13	20.73	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.28	19.88	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.28	19.88	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.24	19.84	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.35	19.95	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.39	18.99	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.29	18.89	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.93	18.53	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.30	17.90	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.34	17.94	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.31	17.91	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.29	17.89	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.41	19.01	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.36	18.96	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.50	19.10	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.22	17.82	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.27	17.87	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.36	17.96	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.19	17.79	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.22	18.82	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.51	19.11	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.54	19.14	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.23	17.83	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.32	17.92	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.25	17.85	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.26	17.86	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.54	20.14	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.68	20.28	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.22	19.82	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.44	19.04	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.49	19.09	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.38	18.98	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.44	19.04	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.60	20.20	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.51	20.11	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.61	20.21	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	20MHz	16QAM	20175	50RB#0	21.44	19.04	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.42	19.02	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.47	19.07	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.39	18.99	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.33	19.93	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.81	20.41	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.69	20.29	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.41	19.01	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.35	18.95	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.34	18.94	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.26	18.86	30.00	PASS

1.2. Test Result for Ant3

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.46	19.96	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.68	20.18	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.56	20.06	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.54	20.04	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#2	22.58	20.08	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.56	20.06	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.65	19.15	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.38	19.88	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.64	20.14	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.54	20.04	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.55	20.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#2	22.53	20.03	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.44	19.94	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.55	19.05	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.41	19.91	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.34	19.84	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.26	19.76	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.45	19.95	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#2	22.44	19.94	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.35	19.85	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.51	19.01	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.83	18.33	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.55	18.05	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.43	17.93	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.57	18.07	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#2	20.60	18.10	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.63	18.13	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.62	17.12	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.56	18.06	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.60	18.10	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.52	18.02	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

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



Band4	1.4MHz	64QAM	20175	3RB#0	20.49	17.99	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#2	20.50	18.00	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.55	18.05	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.73	17.23	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.74	18.24	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.36	17.86	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.32	17.82	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.31	17.81	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#2	20.28	17.78	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.33	17.83	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.41	16.91	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.89	19.39	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.76	19.26	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.61	19.11	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.60	19.10	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#2	21.62	19.12	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.72	19.22	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.78	18.28	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.67	19.17	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.83	19.33	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.79	19.29	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.61	19.11	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#2	21.67	19.17	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.76	19.26	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.73	18.23	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.81	19.31	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.54	19.04	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.48	18.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.49	18.99	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#2	21.41	18.91	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.42	18.92	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.41	17.91	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.68	20.18	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#7	22.56	20.06	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.54	20.04	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.74	19.24	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.67	19.17	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.70	19.20	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.69	19.19	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.50	20.00	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#7	22.68	20.18	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.61	20.11	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.69	19.19	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.71	19.21	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.68	19.18	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.64	19.14	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.44	19.94	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



Band4	3MHz	QPSK	20385	1RB#7	22.48	19.98	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.36	19.86	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.59	19.09	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.60	19.10	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.56	19.06	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.61	19.11	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.61	18.11	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#7	20.40	17.90	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.64	18.14	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	19.58	17.08	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	19.53	17.03	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	19.48	16.98	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.69	17.19	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.72	18.22	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#7	21.12	18.62	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.37	17.87	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	19.39	16.89	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	19.79	17.29	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	19.73	17.23	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.60	17.10	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.95	18.45	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#7	20.34	17.84	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.44	17.94	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	19.33	16.83	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	19.53	17.03	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	19.42	16.92	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.43	16.93	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.87	19.37	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#7	21.56	19.06	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.70	19.20	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.64	18.14	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.62	18.12	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.76	18.26	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.72	18.22	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.89	19.39	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#7	22.13	19.63	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.52	19.02	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.56	18.06	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.85	18.35	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.73	18.23	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.74	18.24	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.00	19.50	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#7	21.62	19.12	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.69	19.19	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.53	18.03	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.61	18.11	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.43	17.93	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.sgs.com
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	3MHz	16QAM	20385	15RB#0	20.57	18.07	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.32	19.82	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#13	22.69	20.19	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.54	20.04	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.73	19.23	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.72	19.22	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.72	19.22	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.65	19.15	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.54	20.04	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#13	22.57	20.07	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.66	20.16	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.63	19.13	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.74	19.24	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.68	19.18	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.61	19.11	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.48	19.98	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#13	22.63	20.13	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.50	20.00	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.53	19.03	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.59	19.09	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.57	19.07	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.53	19.03	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.65	18.15	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#13	20.45	17.95	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.19	18.69	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	19.43	16.93	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.73	17.23	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.56	17.06	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.59	17.09	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.53	18.03	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#13	20.72	18.22	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.47	17.97	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	19.40	16.90	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	19.63	17.13	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	19.65	17.15	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.57	17.07	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.48	17.98	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#13	20.58	18.08	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.33	17.83	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	19.50	17.00	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.36	16.86	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	19.41	16.91	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.54	17.04	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.74	19.24	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#13	21.71	19.21	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.74	19.24	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.70	18.20	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	5MHz	16QAM	19975	12RB#6	20.75	18.25	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.72	18.22	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.73	18.23	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.68	19.18	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#13	21.79	19.29	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.53	19.03	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.68	18.18	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.67	18.17	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.68	18.18	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.58	18.08	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.56	19.06	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#13	21.73	19.23	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.47	18.97	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.55	18.05	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.52	18.02	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.66	18.16	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.56	18.06	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.29	19.79	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.53	20.03	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.72	20.22	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.70	19.20	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.77	19.27	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.79	19.29	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.78	19.28	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.69	20.19	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.58	20.08	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.62	20.12	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.64	19.14	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.64	19.14	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.97	19.47	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.73	19.23	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.55	20.05	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.50	20.00	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.48	19.98	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.59	19.09	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.55	19.05	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.67	19.17	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.53	19.03	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.08	18.58	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.85	18.35	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.93	18.43	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	19.55	17.05	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.45	16.95	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.47	16.97	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.53	17.03	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.80	18.30	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.81	18.31	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	10MHz	64QAM	20175	1RB#49	21.01	18.51	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	19.56	17.06	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.56	17.06	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.63	17.13	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.66	17.16	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.86	18.36	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.63	18.13	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.66	18.16	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	19.49	16.99	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	19.52	17.02	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	19.63	17.13	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.46	16.96	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.19	19.69	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.92	19.42	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.00	19.50	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.59	18.09	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.69	18.19	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.73	18.23	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.74	18.24	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.82	19.32	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.86	19.36	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.98	19.48	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.69	18.19	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.83	18.33	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.68	18.18	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.68	18.18	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.06	19.56	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.89	19.39	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.84	19.34	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.65	18.15	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.60	18.10	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.70	18.20	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.60	18.10	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.39	19.89	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.12	19.62	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.16	19.66	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.34	18.84	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.29	18.79	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.31	18.81	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.31	18.81	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.27	19.77	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.17	19.67	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.21	19.71	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.26	18.76	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.36	18.86	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.33	18.83	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.35	18.85	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	15MHz	QPSK	20325	1RB#0	22.30	19.80	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.21	19.71	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.28	19.78	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.35	18.85	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.37	18.87	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.32	18.82	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.25	18.75	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.29	17.79	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.16	17.66	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.17	17.67	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	19.21	16.71	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	19.16	16.66	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	19.04	16.54	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.20	16.70	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.37	17.87	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.20	17.70	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.47	17.97	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	19.18	16.68	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	19.28	16.78	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	19.05	16.55	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.27	16.77	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.53	18.03	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.26	17.76	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.02	17.52	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	19.32	16.82	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#18	19.01	16.51	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	19.15	16.65	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.28	16.78	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.55	19.05	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.38	18.88	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.33	18.83	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.34	17.84	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.33	17.83	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.28	17.78	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.28	17.78	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.47	18.97	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.44	18.94	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.53	19.03	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.32	17.82	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.36	17.86	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.25	17.75	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.36	17.86	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.74	19.24	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.43	18.93	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.29	18.79	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.46	17.96	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.28	17.78	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	15MHz	16QAM	20325	36RB#39	20.36	17.86	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.33	17.83	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.01	20.51	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.70	20.20	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.72	20.22	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.93	19.43	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.85	19.35	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.88	19.38	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.18	19.68	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.02	20.52	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.78	20.28	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.77	20.27	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.88	19.38	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.91	19.41	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.90	19.40	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.94	19.44	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.87	20.37	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.65	20.15	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.76	20.26	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.92	19.42	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.80	19.30	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.80	19.30	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.82	19.32	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.45	17.95	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.01	18.51	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.88	18.38	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	19.76	17.26	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.76	17.26	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.95	17.45	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.99	17.49	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.18	18.68	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.99	18.49	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.87	18.37	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	19.80	17.30	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	19.85	17.35	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	19.91	17.41	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.83	17.33	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.14	18.64	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.75	18.25	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.55	18.05	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	19.72	17.22	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	19.60	17.10	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	19.55	17.05	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.60	17.10	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.71	19.21	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.02	19.52	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.85	19.35	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
中国·深圳·科技园中区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	50RB#0	20.91	18.41	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.97	18.47	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.00	18.50	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.01	18.51	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.95	19.45	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.16	19.66	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.90	19.40	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.92	18.42	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.89	18.39	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.91	18.41	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.02	18.52	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.20	19.70	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.91	19.41	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.82	19.32	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.84	18.34	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.87	18.37	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.79	18.29	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.79	18.29	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 [dBi]

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



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

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

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

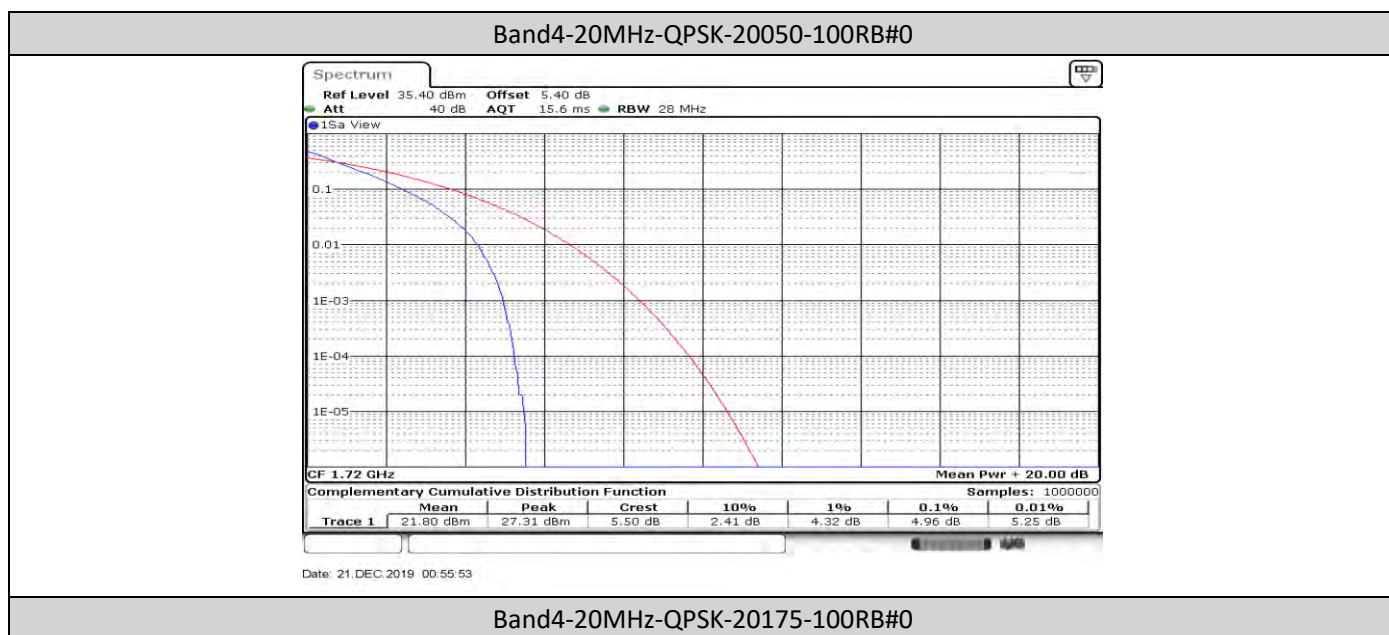


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.96	13.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.01	13.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.78	13.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	5.86	13.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	5.86	13.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.03	13.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.83	13.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.83	13.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.74	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.

Attention: 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



Band4-20MHz-64QAM-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



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 telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



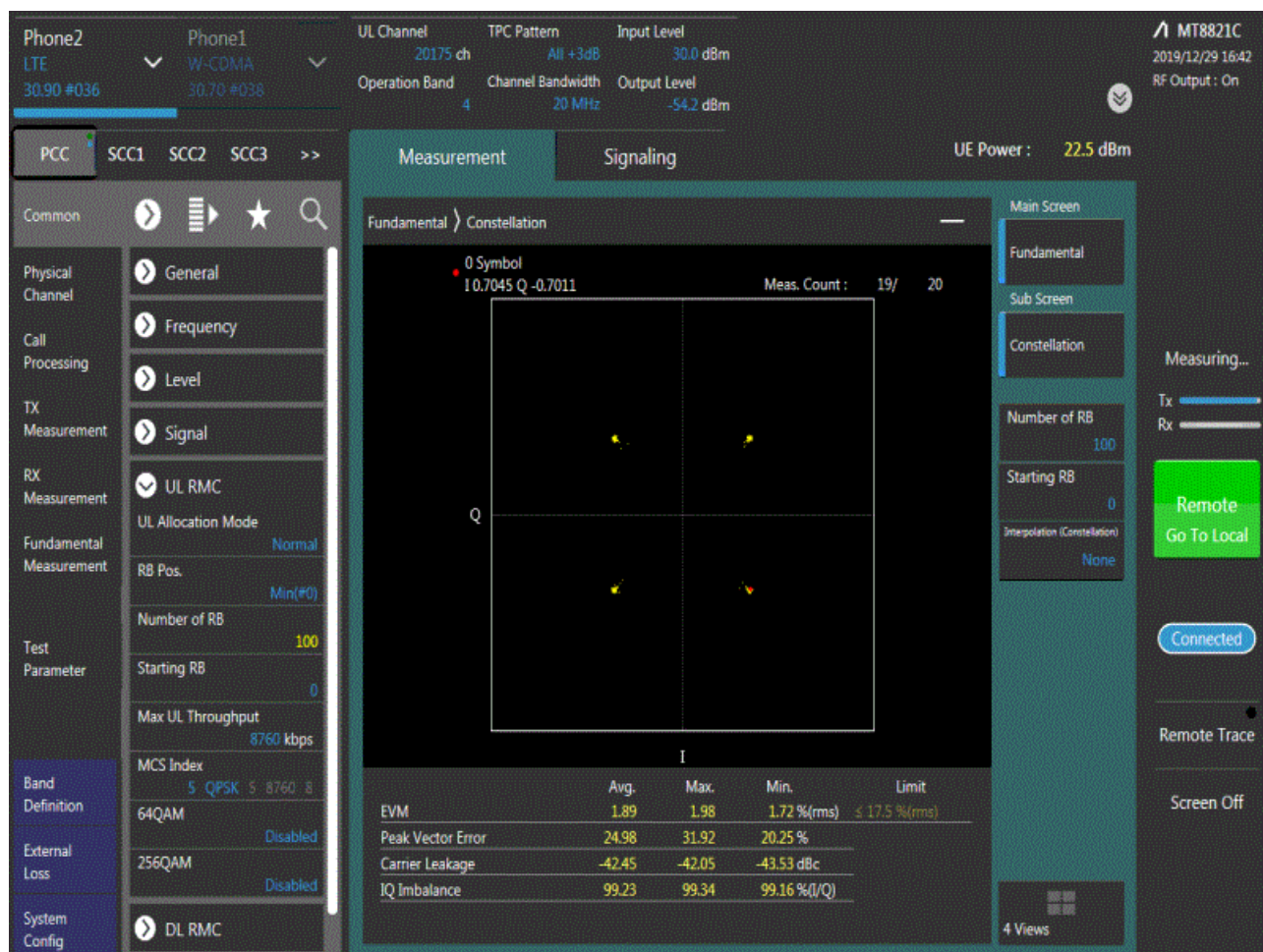
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

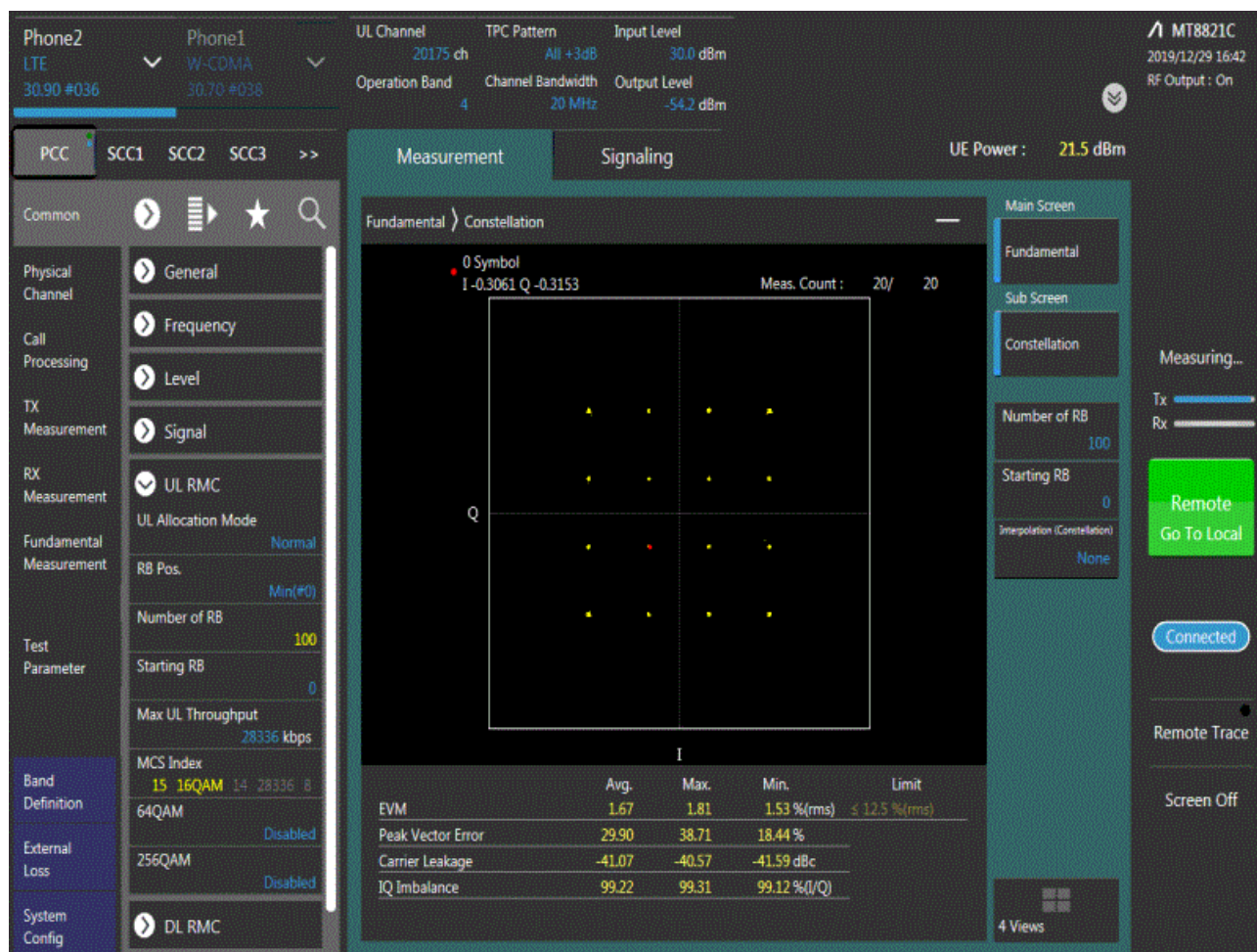
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

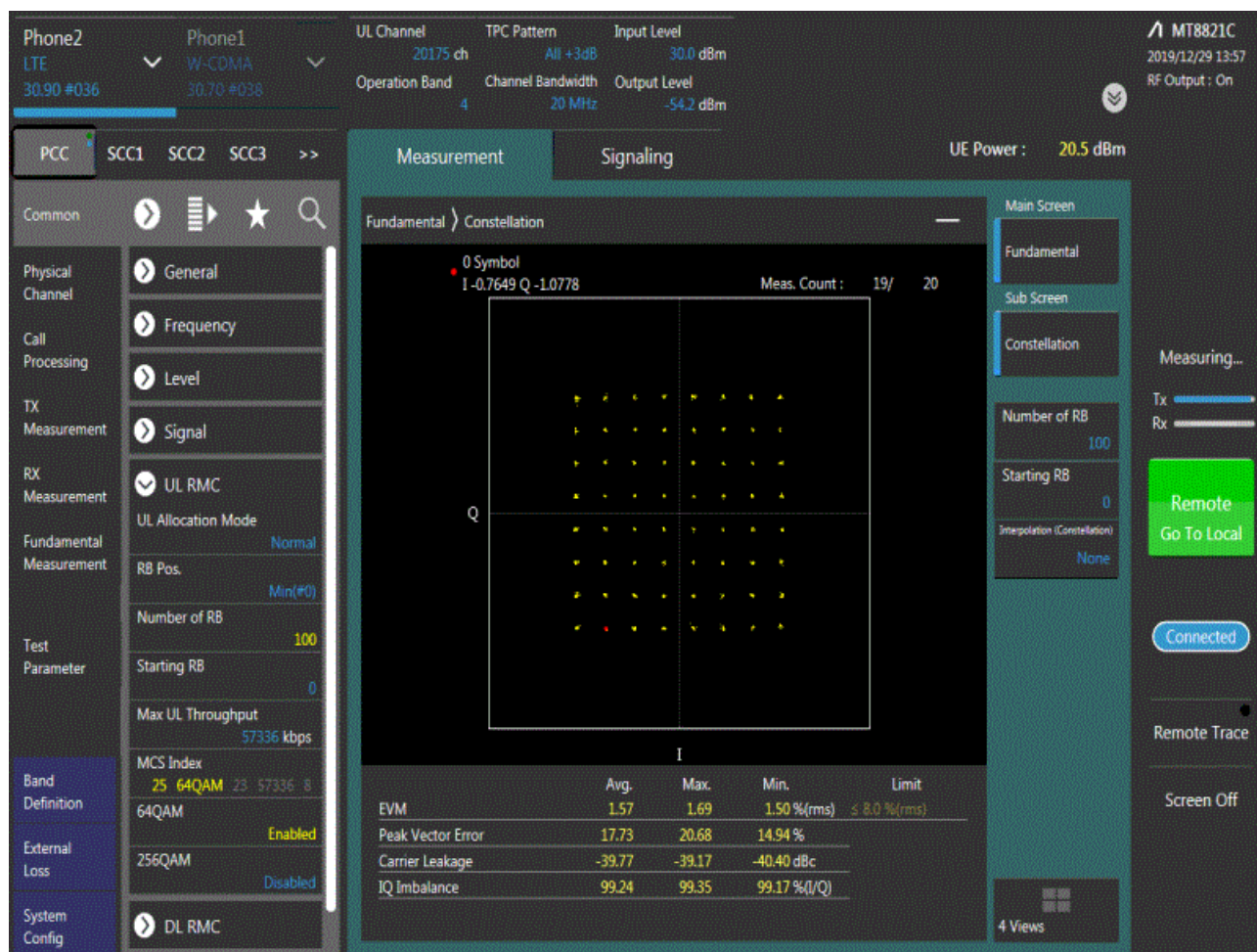
3.2.1. Test Channel = MCH





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	1.088	1.248	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.082	1.233	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.236	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.088	1.248	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.085	1.227	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.088	1.233	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.085	1.236	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.085	1.233	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.085	1.239	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	3.006	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	3.012	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	3.018	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.982	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.982	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.691	2.982	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.679	2.970	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.970	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.920	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.890	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.830	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.930	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.920	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.466	4.940	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.920	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.920	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.930	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.911	9.620	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.700	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.660	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.660	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	10MHz	64QAM	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.911	9.700	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.680	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.680	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.427	14.760	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.730	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.730	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.760	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.730	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.730	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.730	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.440	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.440	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.440	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.320	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.440	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.360	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.822	19.320	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.440	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.822	19.360	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

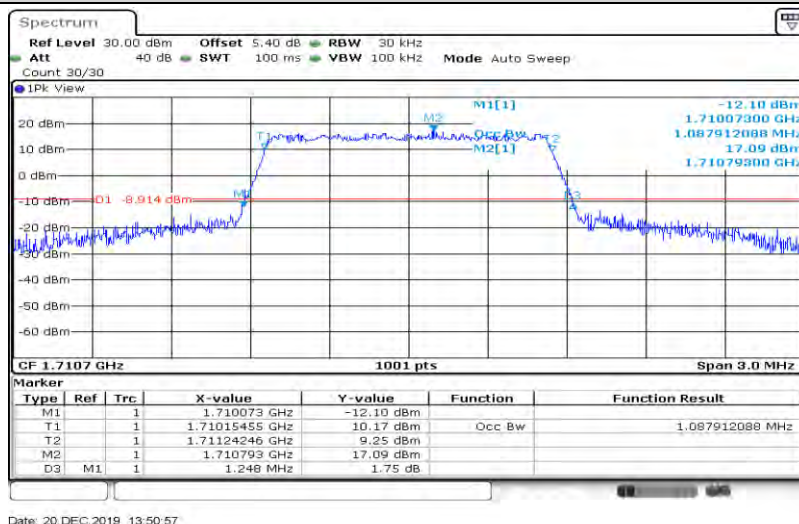
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC Laboratory)

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

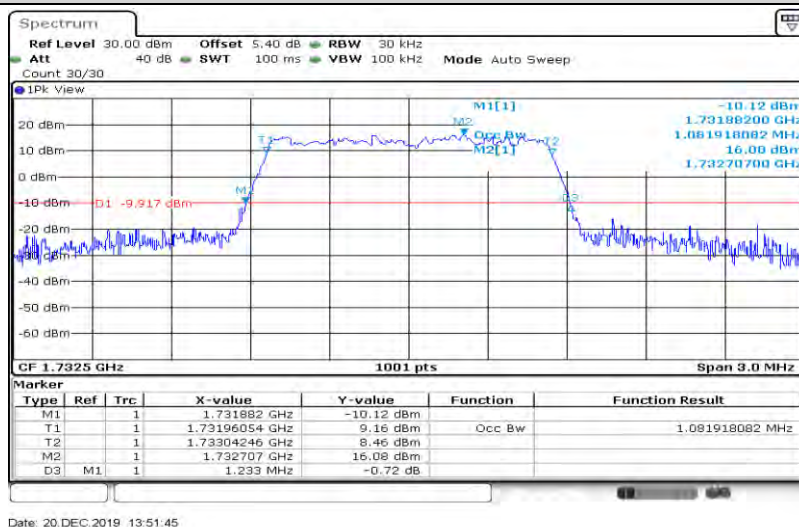


4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.088

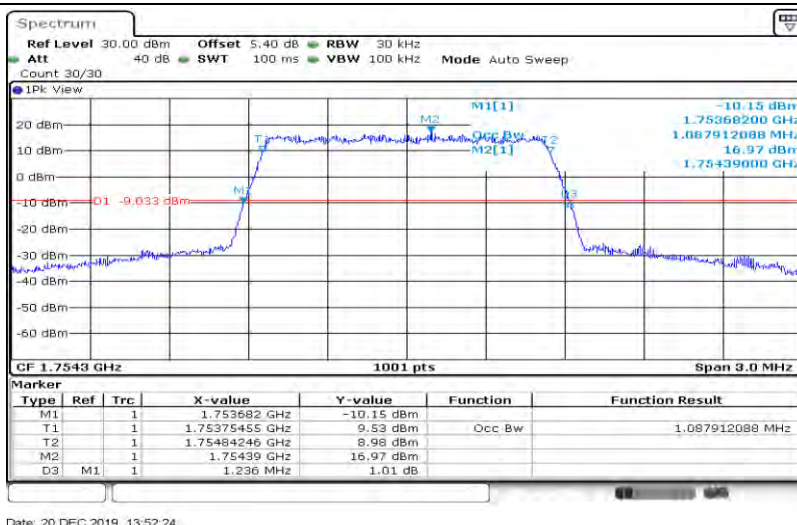


Band4-1.4MHz-QPSK-20175-6RB#0-1.082

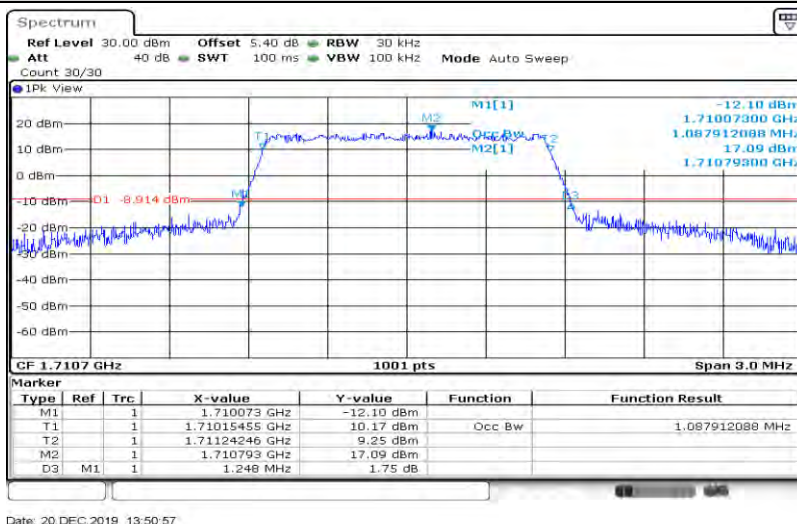


Band4-1.4MHz-QPSK-20393-6RB#0-1.088



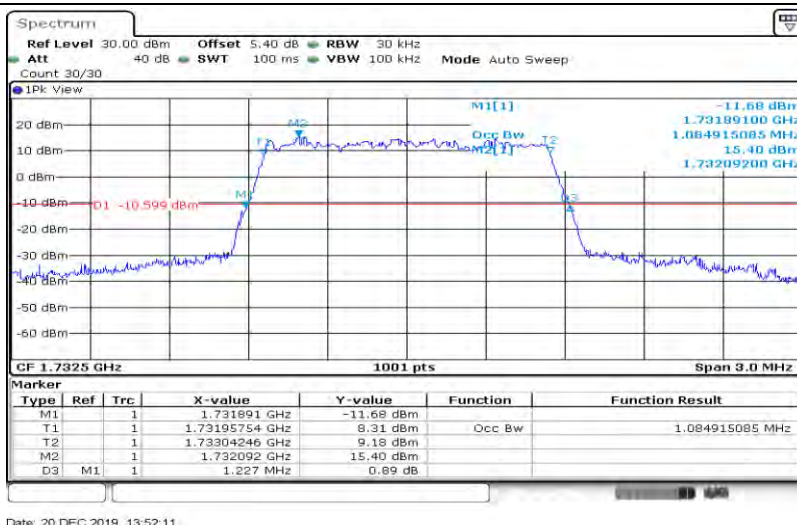


Band4-1.4MHz-64QAM-19957-6RB#0-2.973

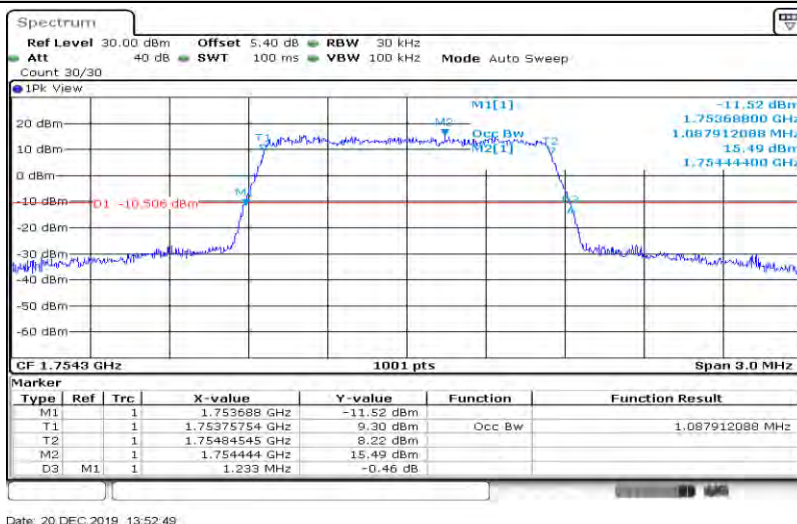


Band4-1.4MHz-64QAM-20175-6RB#0-1.085



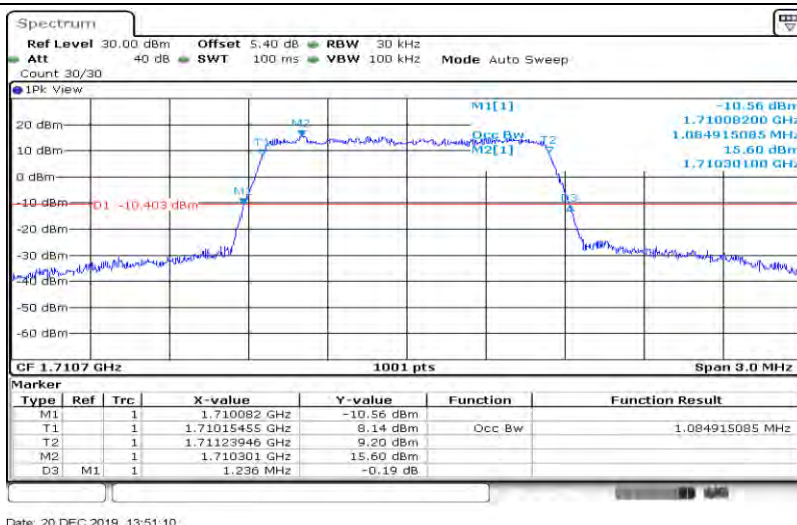


Band4-1.4MHz-64QAM-20393-6RB#0-1.088

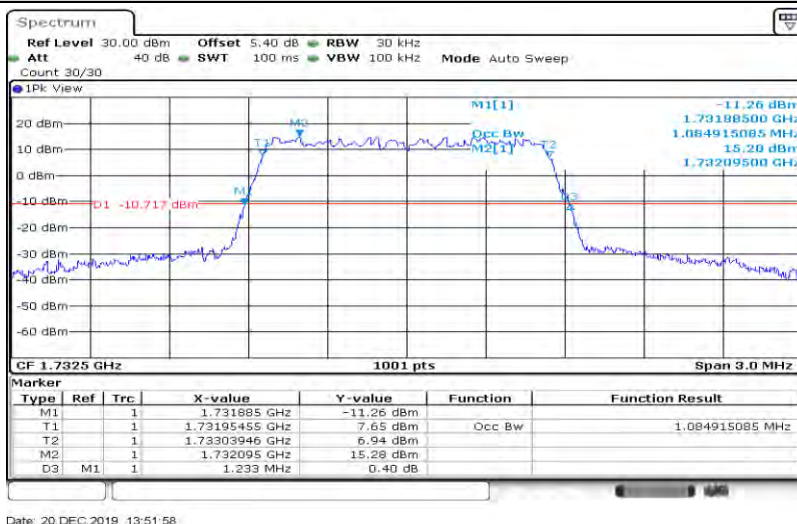


Band4-1.4MHz-16QAM-19957-6RB#0-1.085



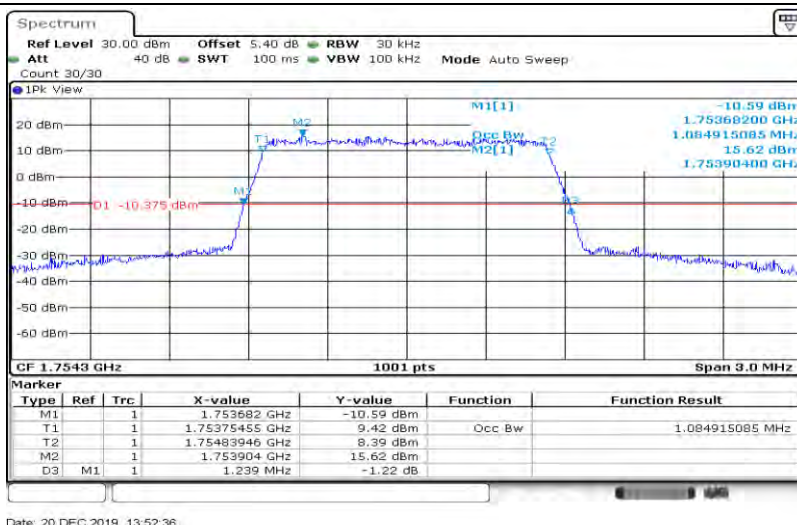


Band4-1.4MHz-16QAM-20175-6RB#0-1.085



Band4-1.4MHz-16QAM-20393-6RB#0-1.085





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

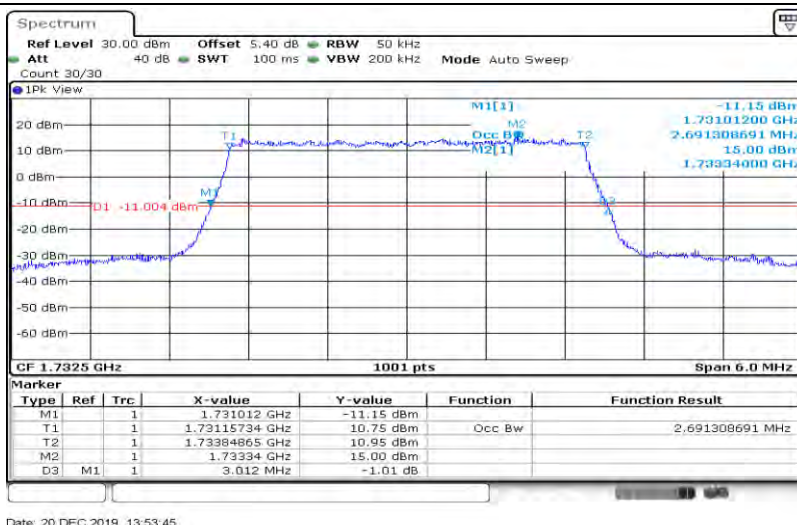


Band4-3MHz-QPSK-20175-15RB#0-2.691

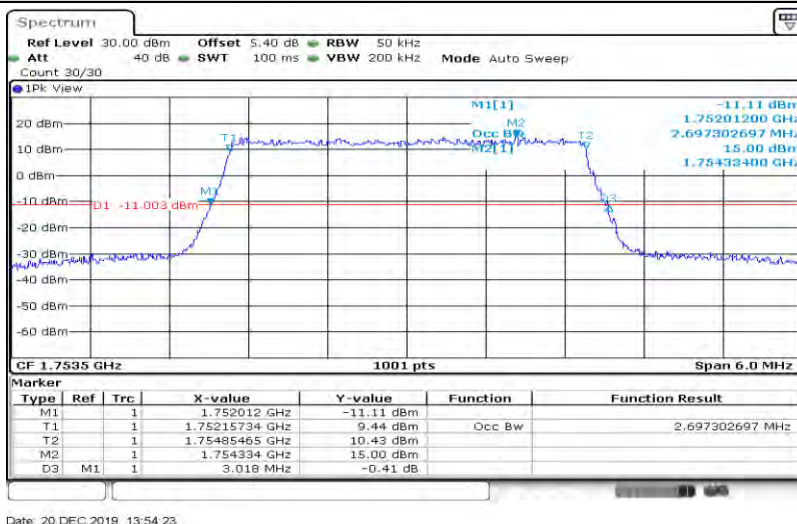


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

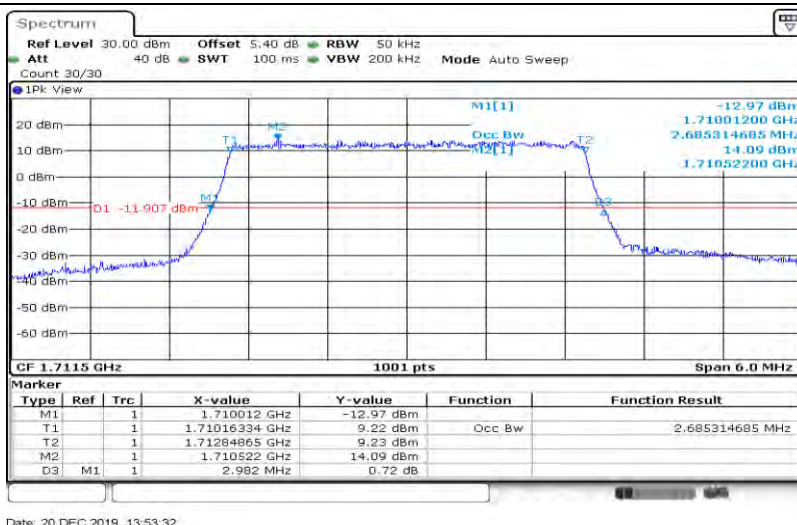


Band4-3MHz-QPSK-20385-15RB#0-2.697

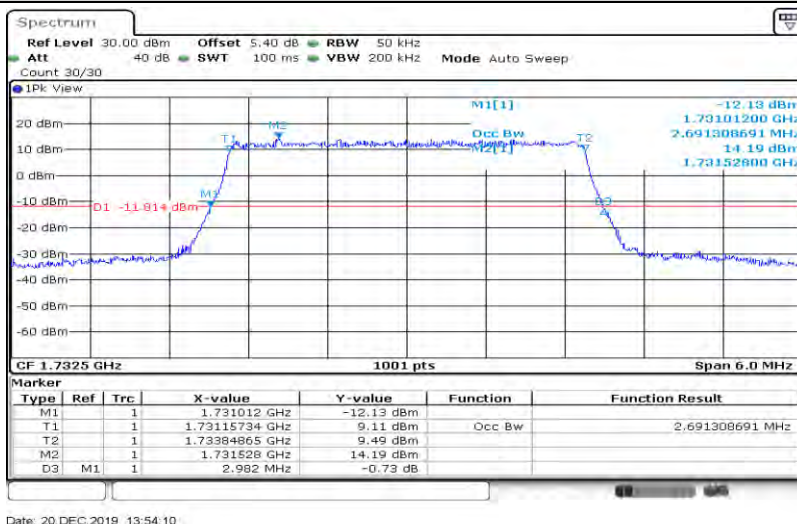


Band4-3MHz-64QAM-19965-15RB#0-2.685



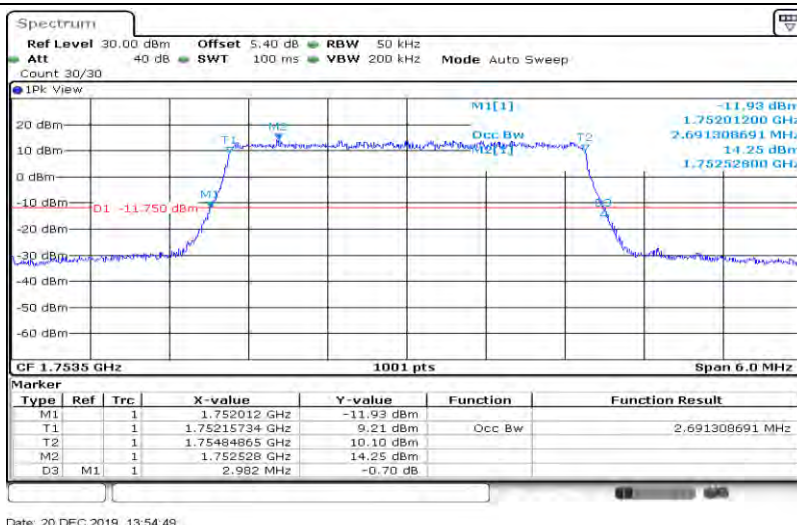


Band4-3MHz-64QAM-20175-15RB#0-2.691

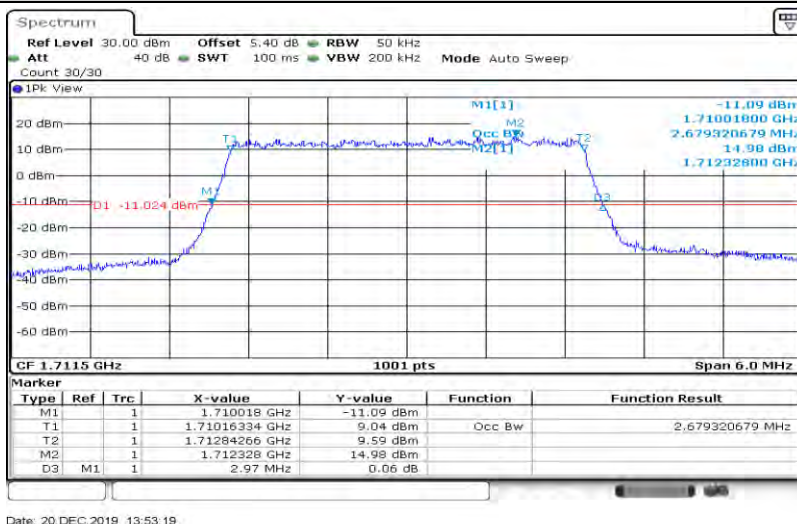


Band4-3MHz-64QAM-20385-15RB#0-2.691





Band4-3MHz-16OAM-19965-15RB#0-2.679



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

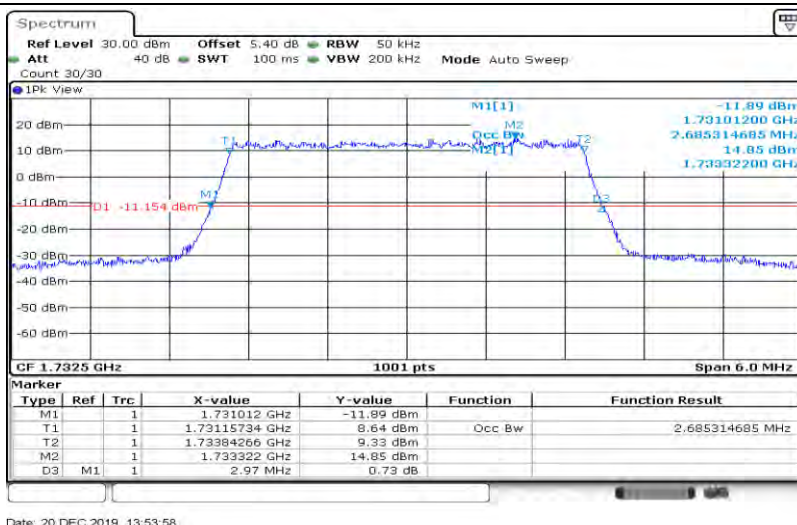


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 deemed to have accepted the terms and conditions of the Company's findings and conclusions. The use of this document is limited to the Client's instructions. If any Company sole responsibility is claimed and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is strictly prohibited and may result in severe civil or criminal penalties. The results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

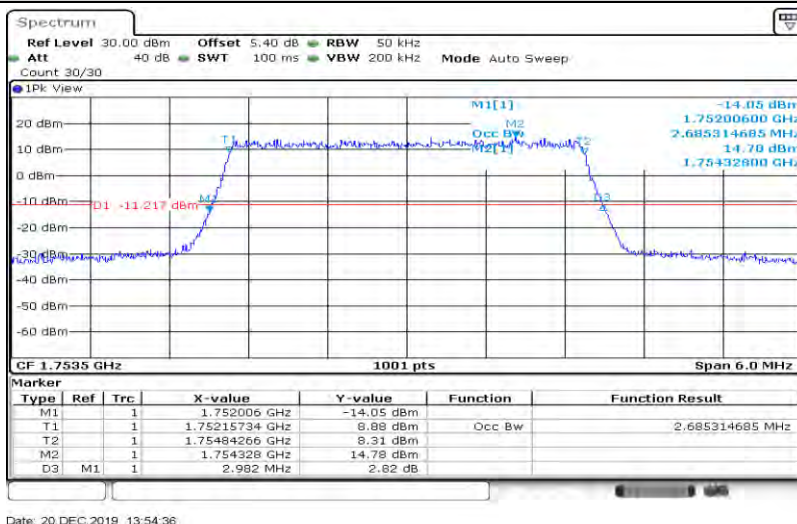
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) Testing Laboratory

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

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

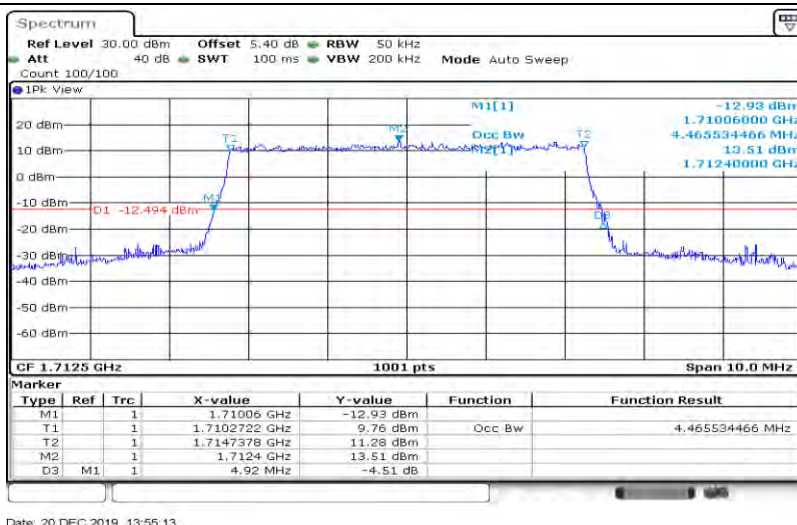


Band4-3MHz-16QAM-20385-15RB#0-2.685

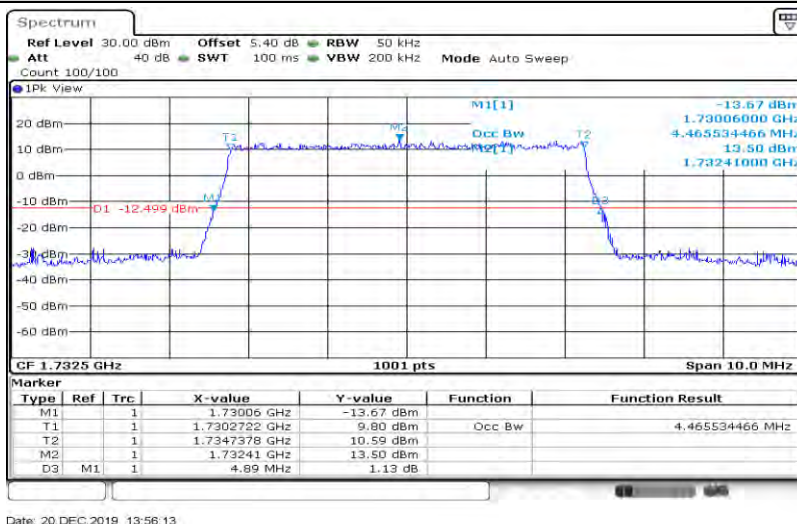


Band4-5MHz-QPSK-19975-25RB#0-4.466



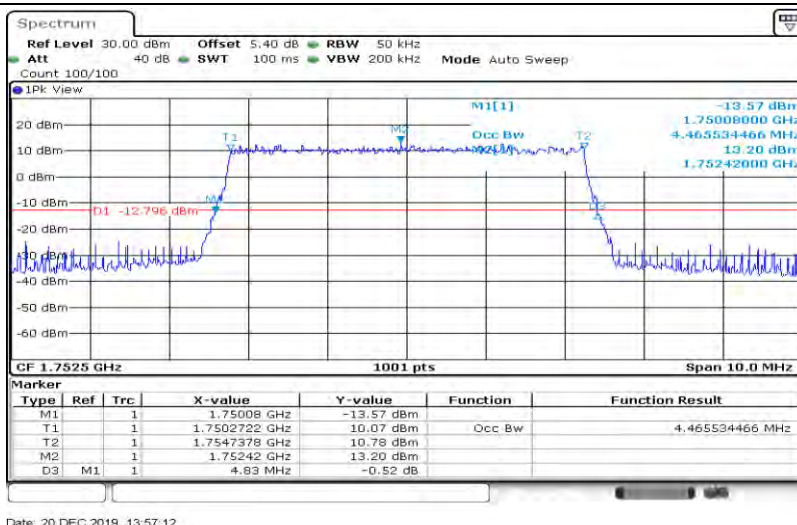


Band4-5MHz-QPSK-20175-25RB#0-4.466



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





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

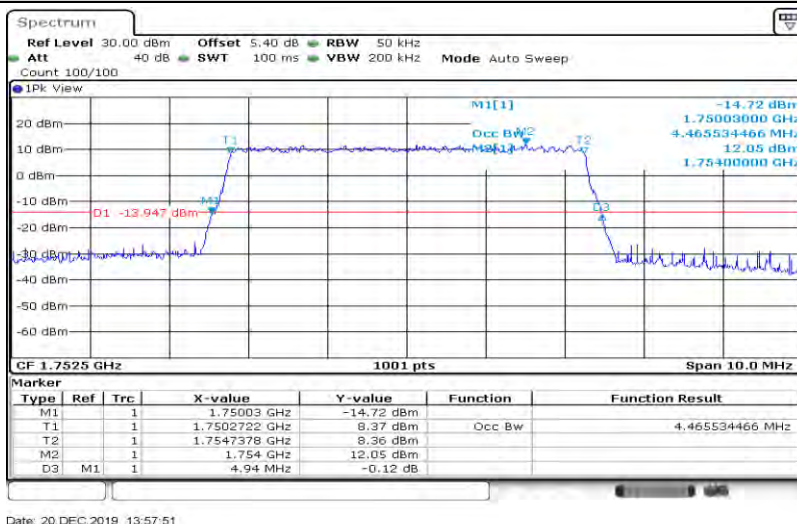


Band4-5MHz-64QAM-20175-25RB#0-4.476





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



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

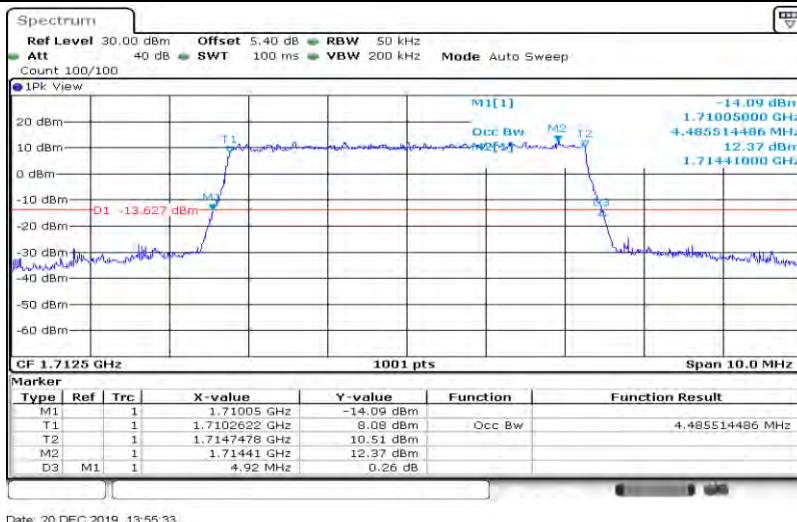


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

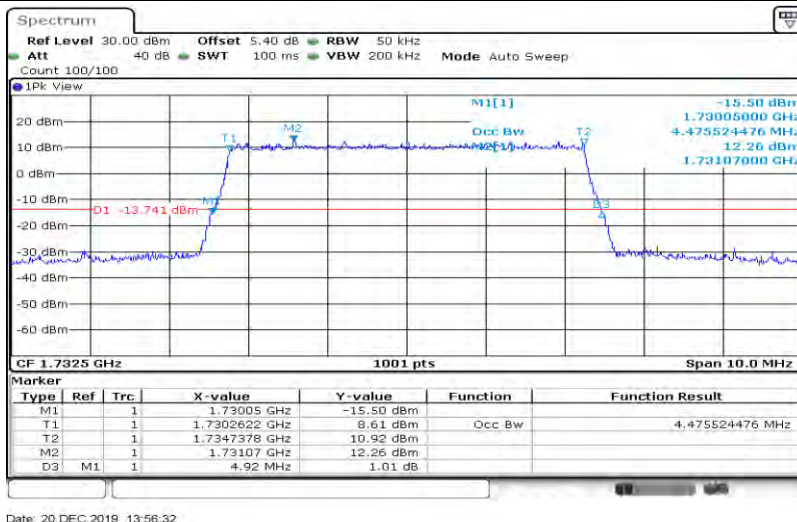
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

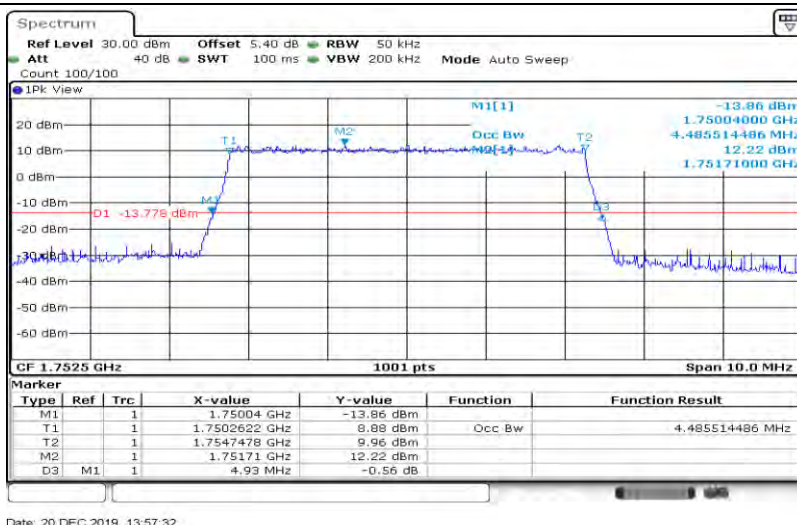


Band4-5MHz-16QAM-20175-25RB#0-4.476

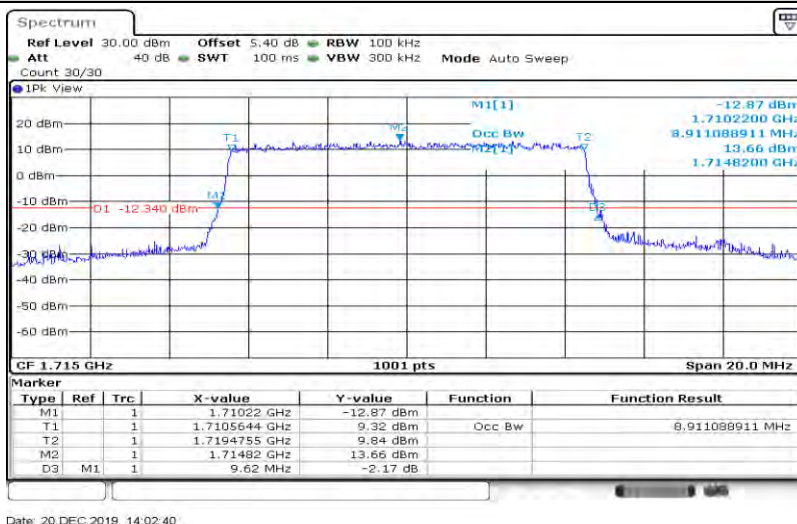


Band4-5MHz-16QAM-20375-25RB#0-4.486



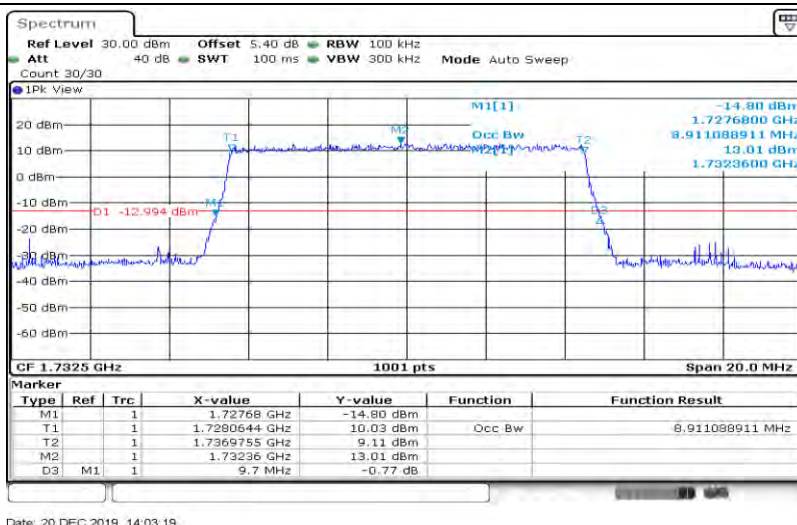


Band4-10MHz-QPSK-20000-50RB#0-8.911

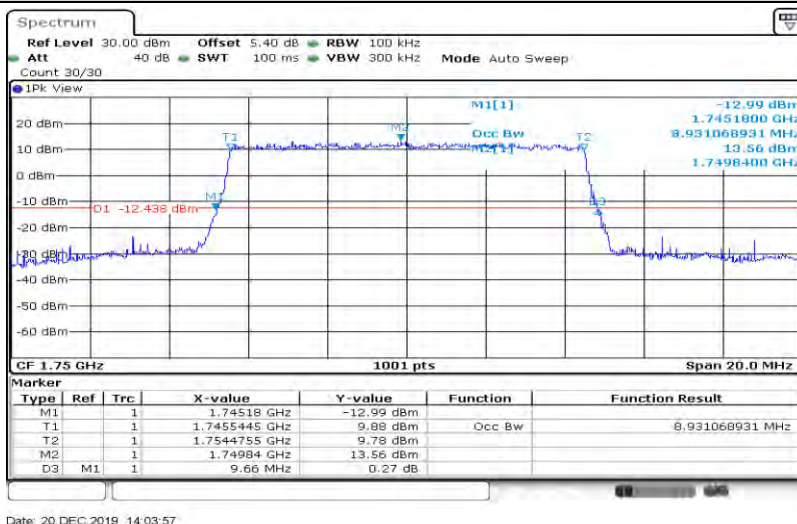


Band4-10MHz-QPSK-20175-50RB#0-8.911





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

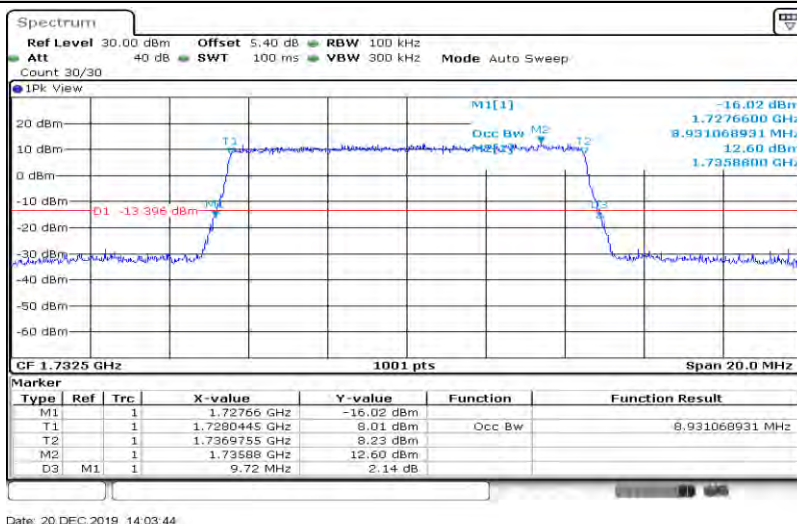


Band4-10MHz-64QAM-20000-50RB#0-8.911





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



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



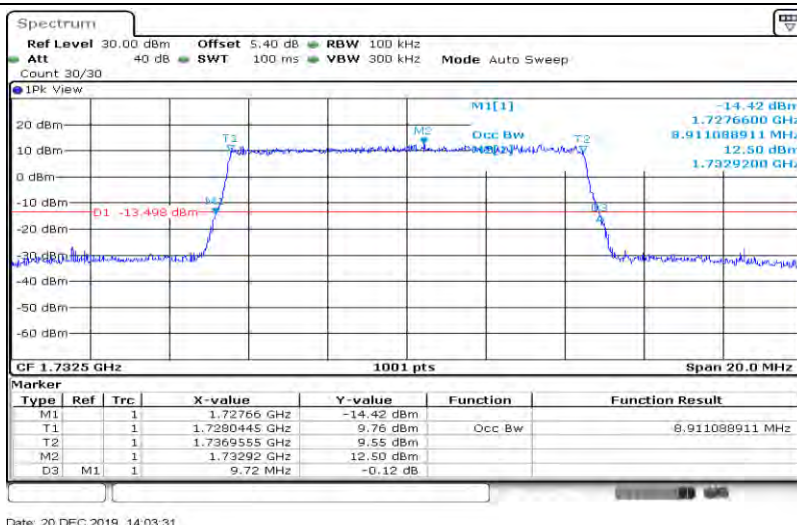


Band4-10MHz-16QAM-20000-50RB#0-8.931

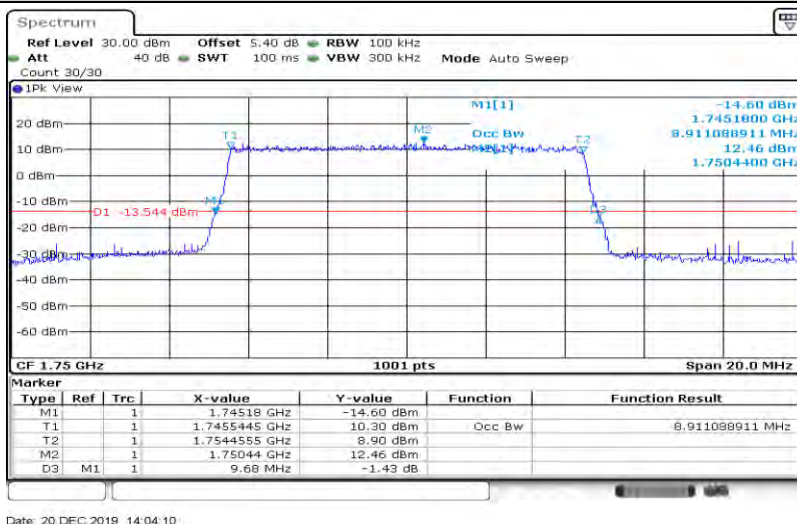


Band4-10MHz-16QAM-20175-50RB#0-8.911



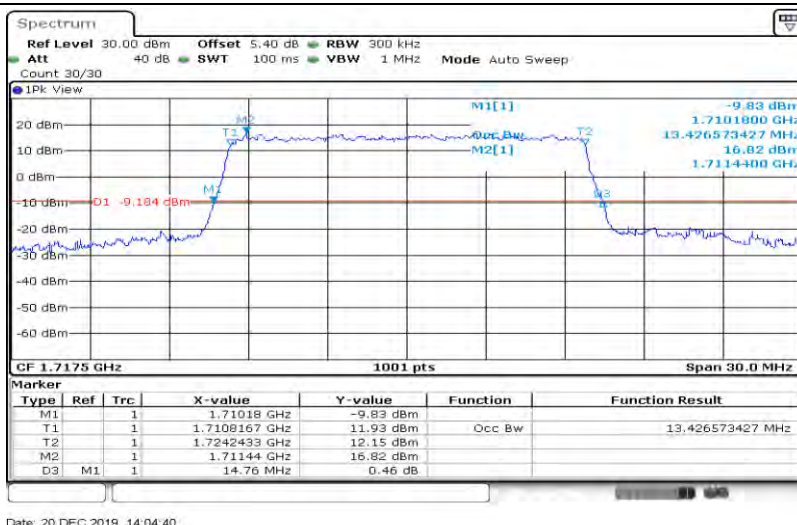


Band4-10MHz-16QAM-20350-50RB#0-8.911

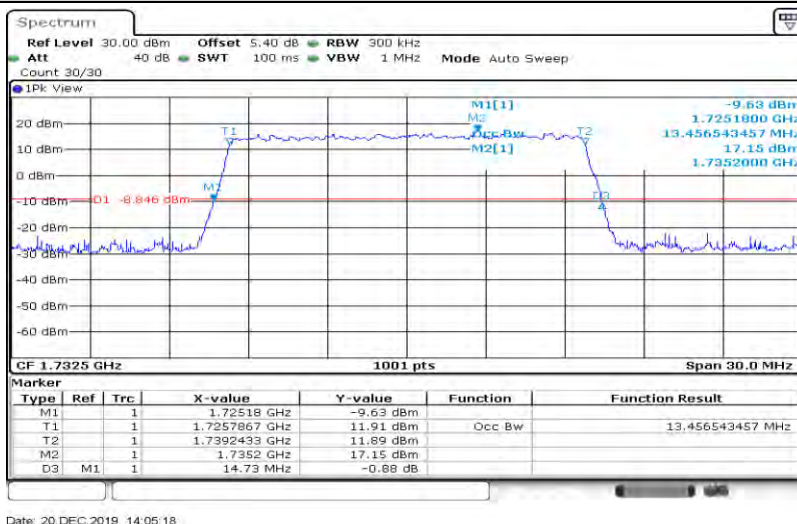


Band4-15MHz-QPSK-20025-75RB#0-13.427



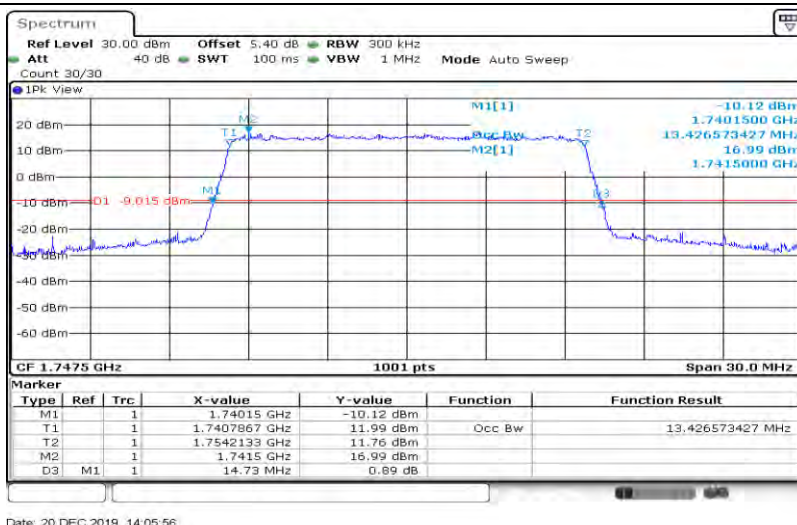


Band4-15MHz-QPSK-20175-75RB#0-13.457

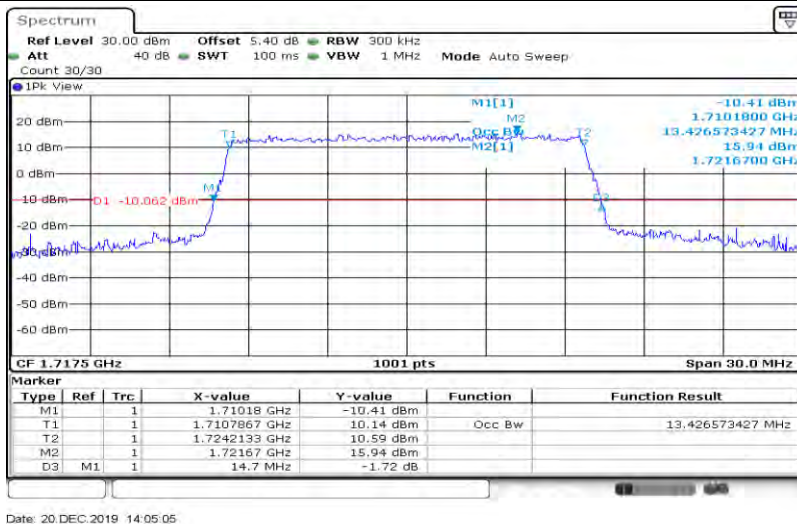


Band4-15MHz-QPSK-20325-75RB#0-13.427





Band4-15MHz-64QAM-20025-75RB#0-13.427

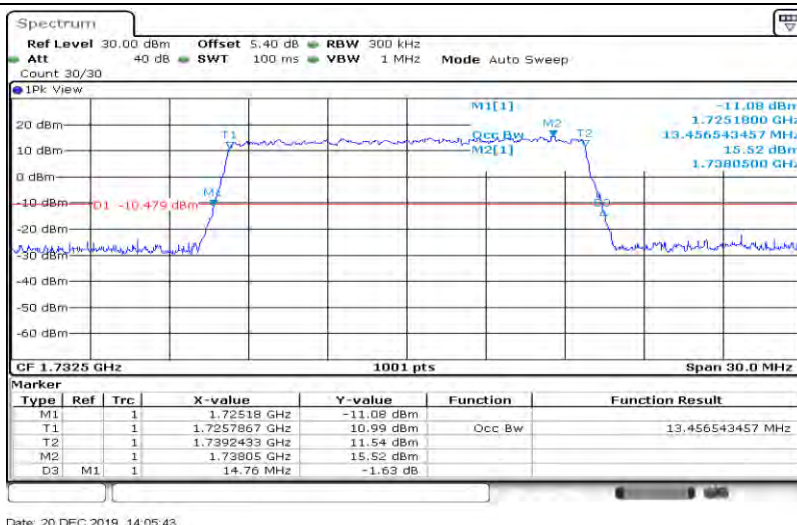


Band4-15MHz-64QAM-20175-75RB#0-13.457

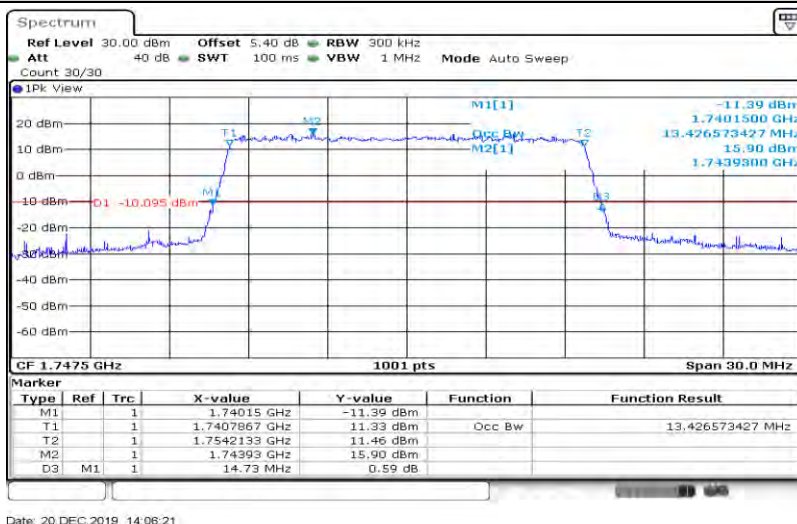


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

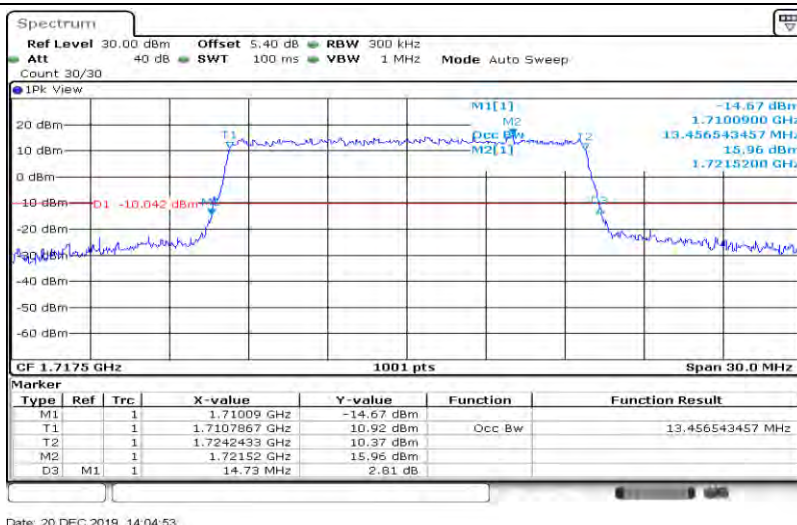


Band4-15MHz-64QAM-20325-75RB#0-13.427

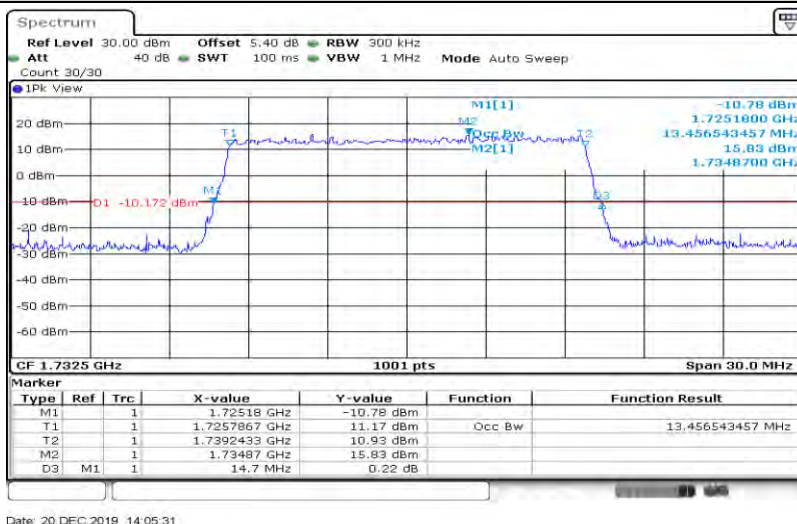


Band4-15MHz-16QAM-20025-75RB#0-13.457



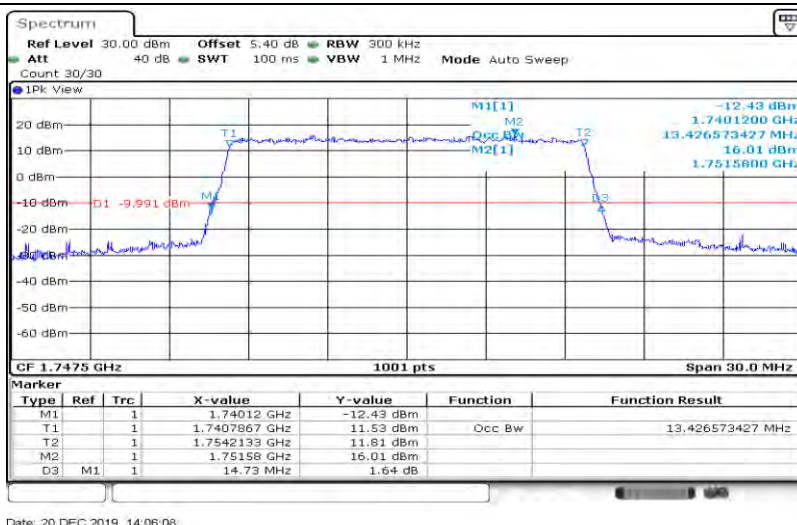


Band4-15MHz-16QAM-20175-75RB#0-13.457

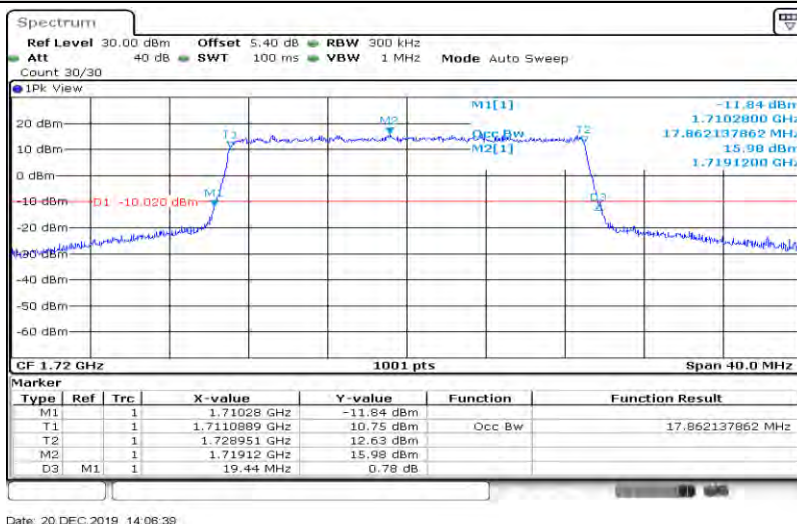


Band4-15MHz-16QAM-20325-75RB#0-13.427



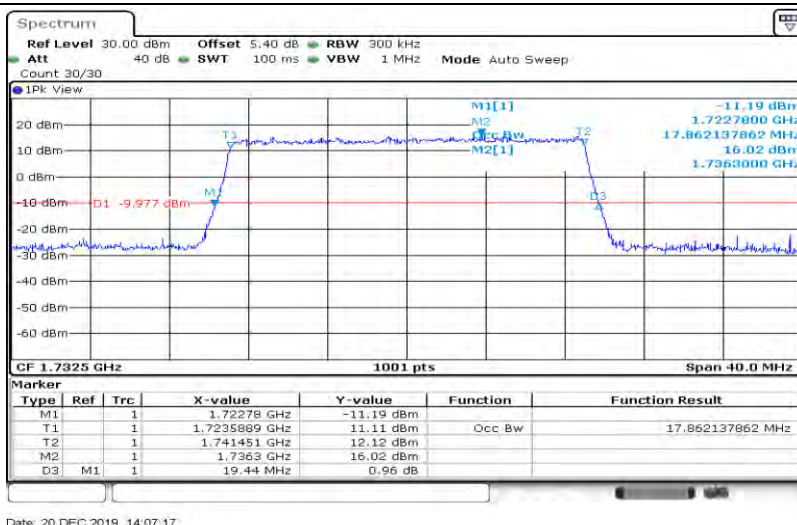


Band4-20MHz-QPSK-20050-100RB#0-17.862

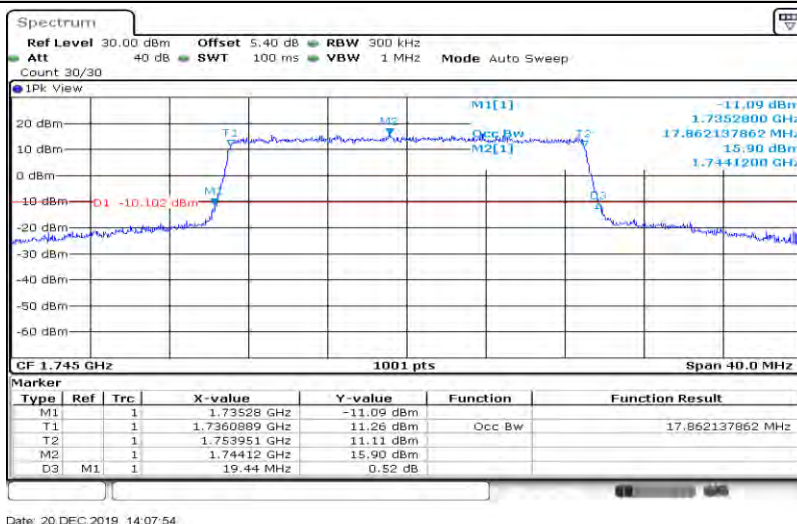


Band4-20MHz-QPSK-20175-100RB#0-17.862



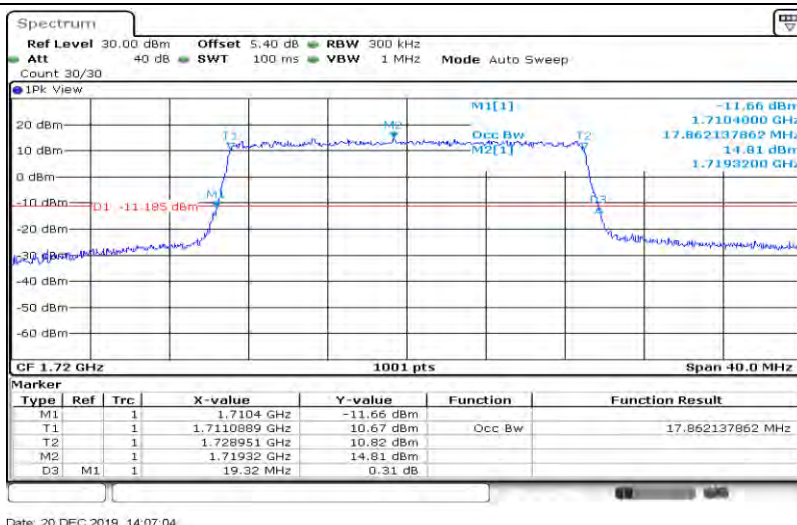


Band4-20MHz-QPSK-20300-100RB#0-17.862

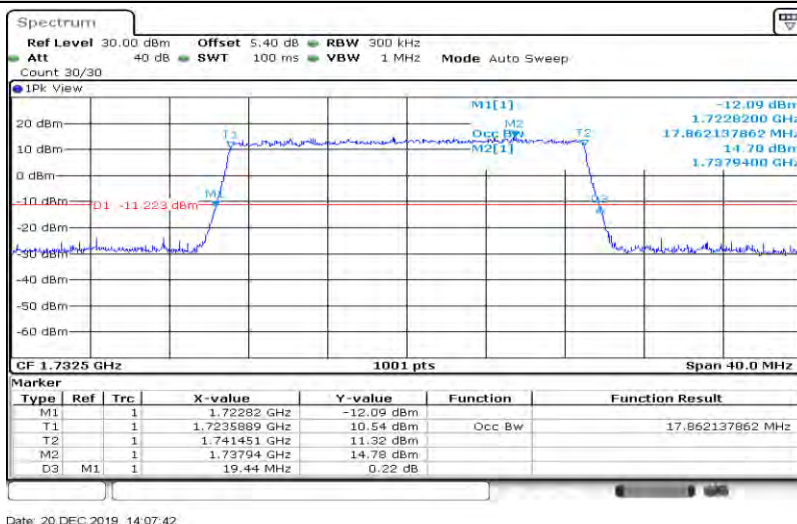


Band4-20MHz-64QAM-20050-100RB#0-17.862





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

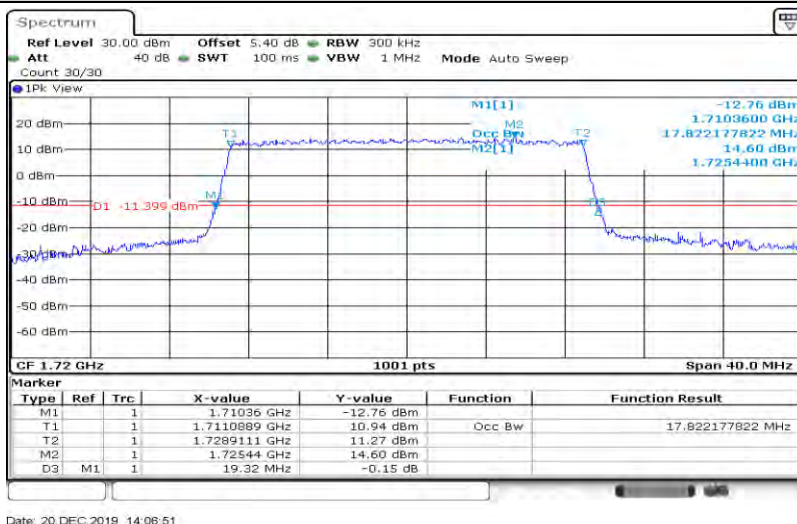


Band4-20MHz-64QAM-20300-100RB#0-17.862



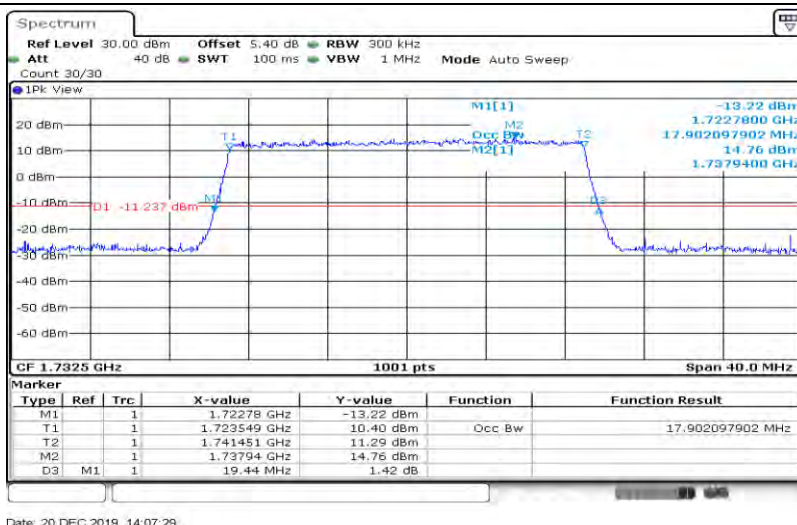


Band4-20MHz-16QAM-20050-100RB#0-17.822

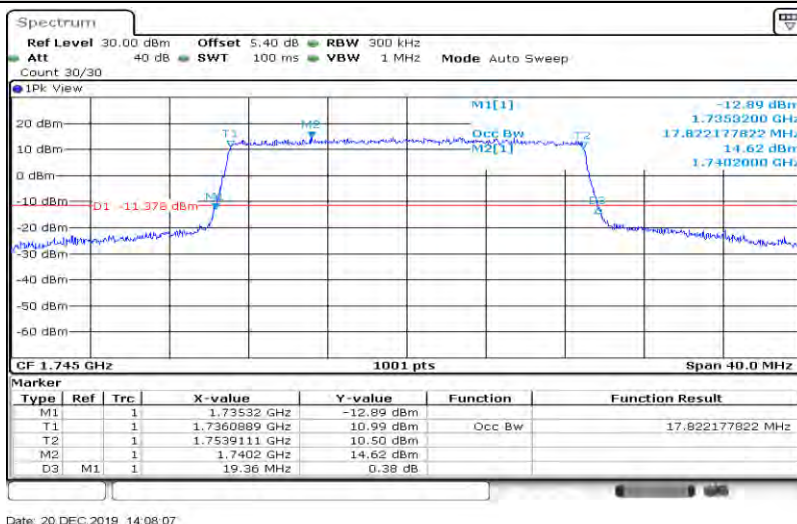


Band4-20MHz-16QAM-20175-100RB#0-17.902





Band4-20MHz-16QAM-20300-100RB#0-17.822



5. Band Edge Compliance

5.1. Test Plots

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

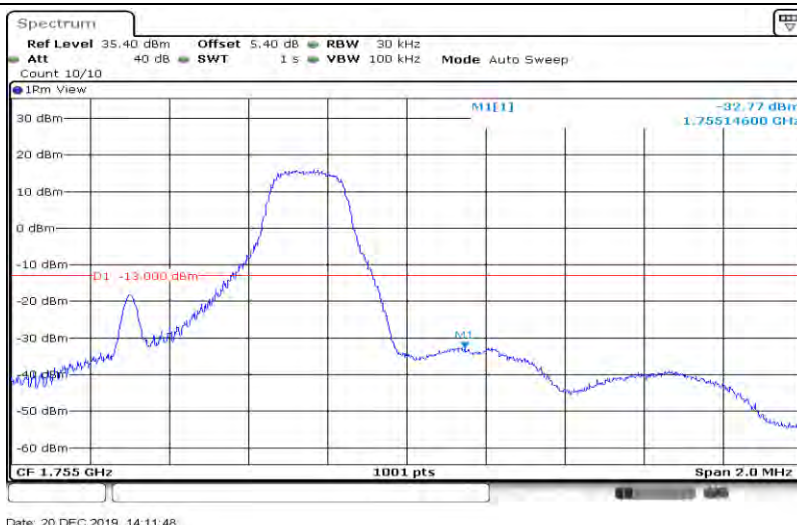


Band4-1.4MHz-QPSK-19957-6RB#0



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



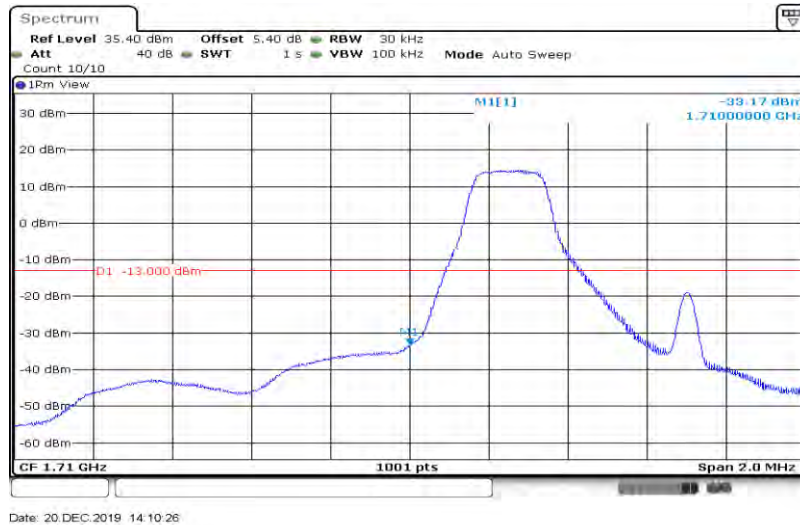


Band4-1.4MHz-QPSK-20393-6RB#0



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





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

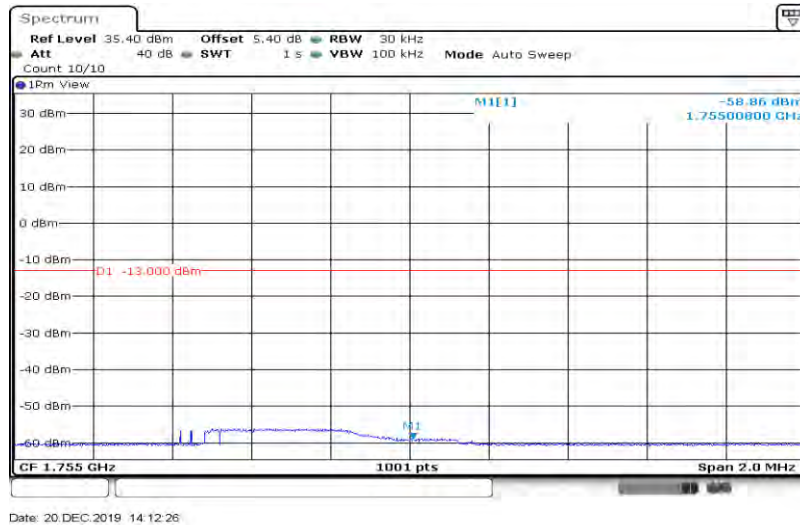


Band4-1.4MHz-64QAM-20393-1RB#5

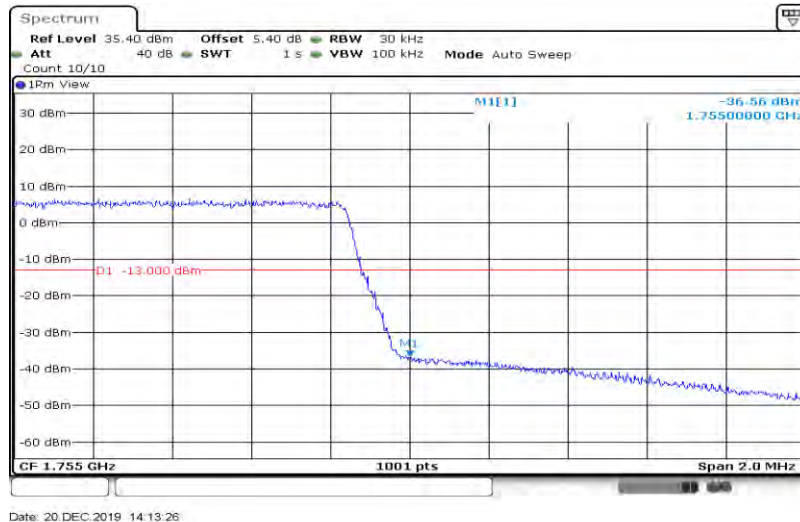


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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



Band4-1.4MHz-16QAM-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) 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

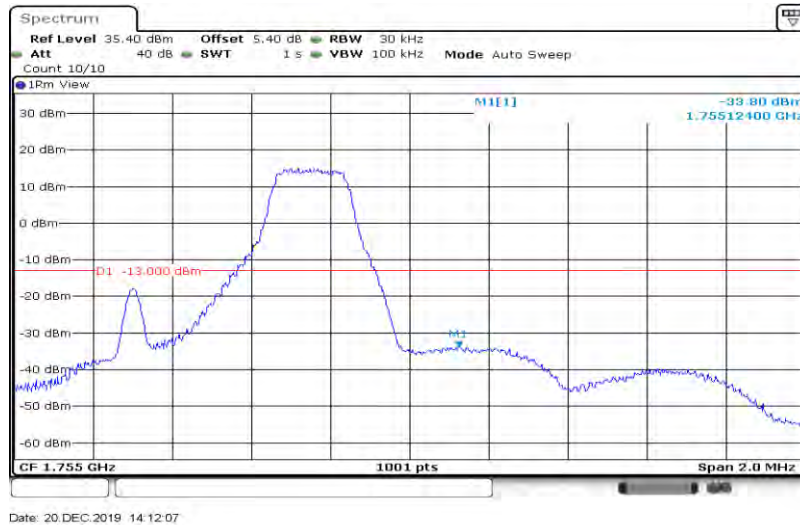


Band4-1.4MHz-16QAM-19957-6RB#0

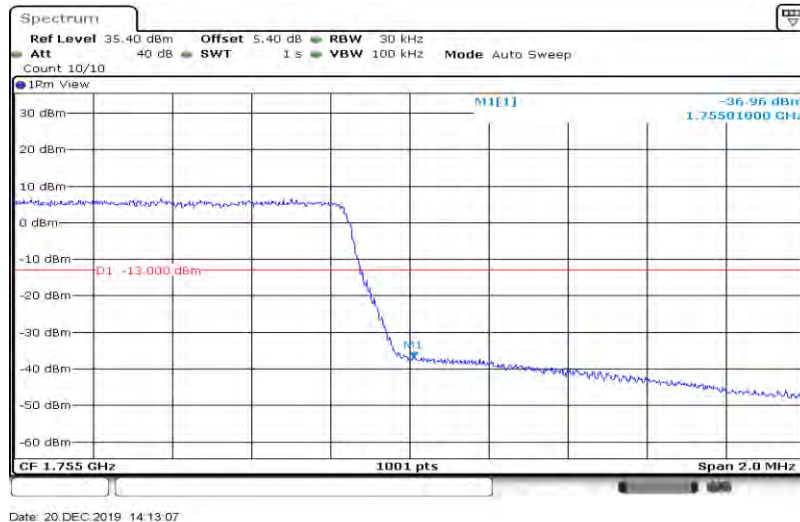


Band4-1.4MHz-16QAM-20393-1RB#5





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

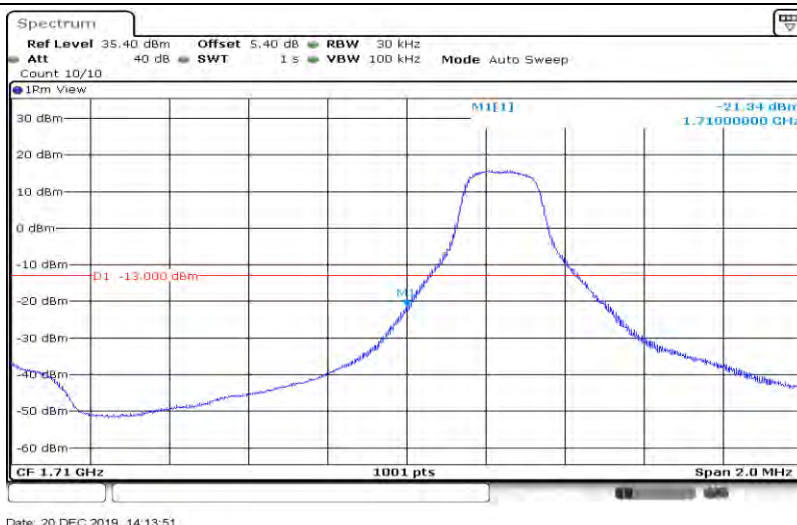


Band4-3MHz-QPSK-19965-1RB#0



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

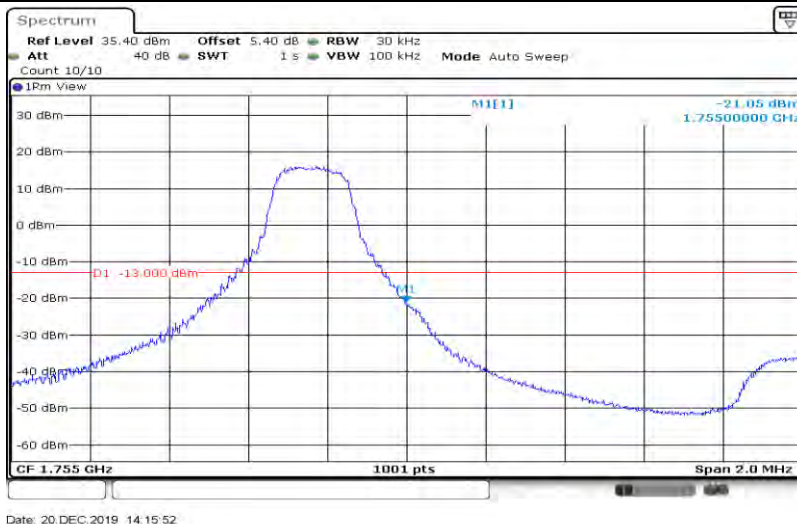


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

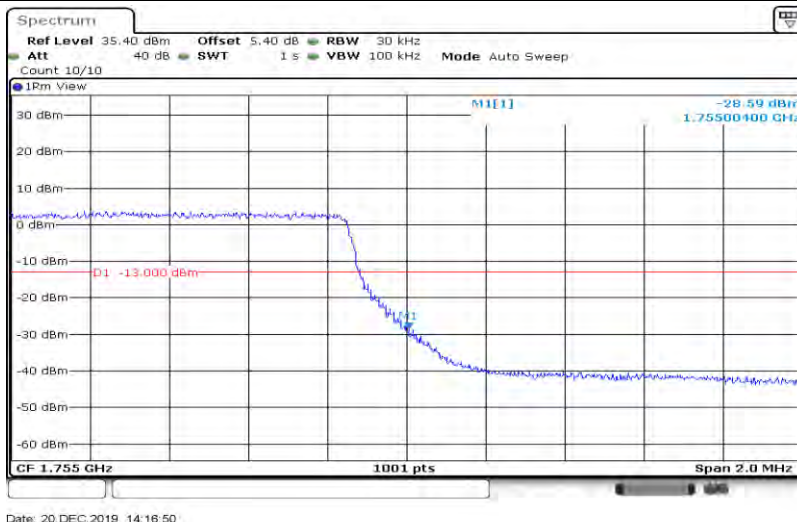
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

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



Date: 20 DEC. 2019 14:15:52

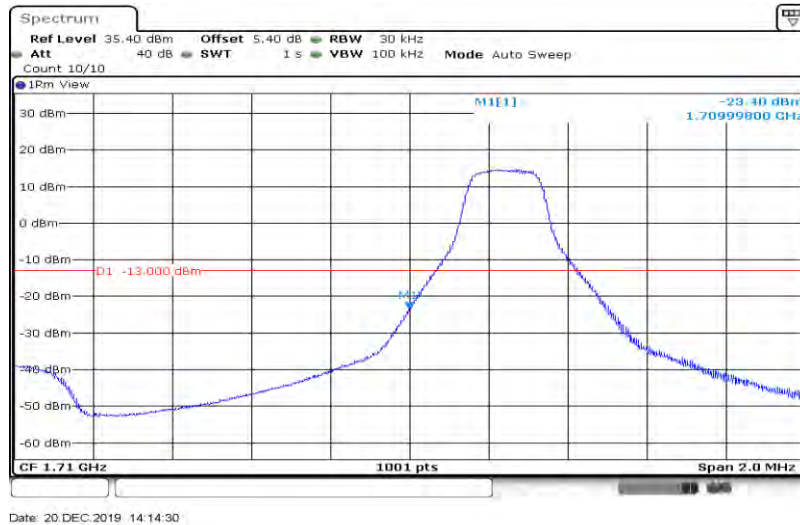
Band4-3MHz-QPSK-20385-15RB#0



Date: 20 DEC. 2019 14:16:50

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





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



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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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-64QAM-20385-15RB#0



Band4-3MHz-16QAM-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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: 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-16QAM-19965-15RB#0

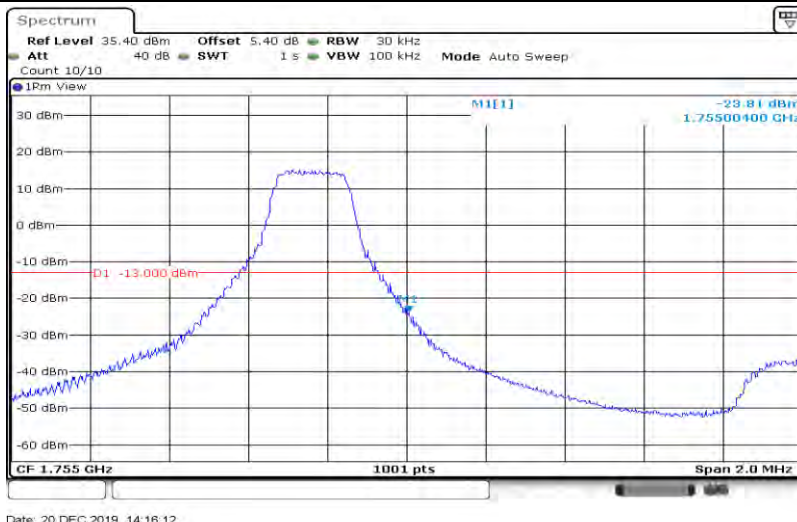


Band4-3MHz-16QAM-20385-1RB#14



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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: 20 DEC. 2019 14:16:12

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



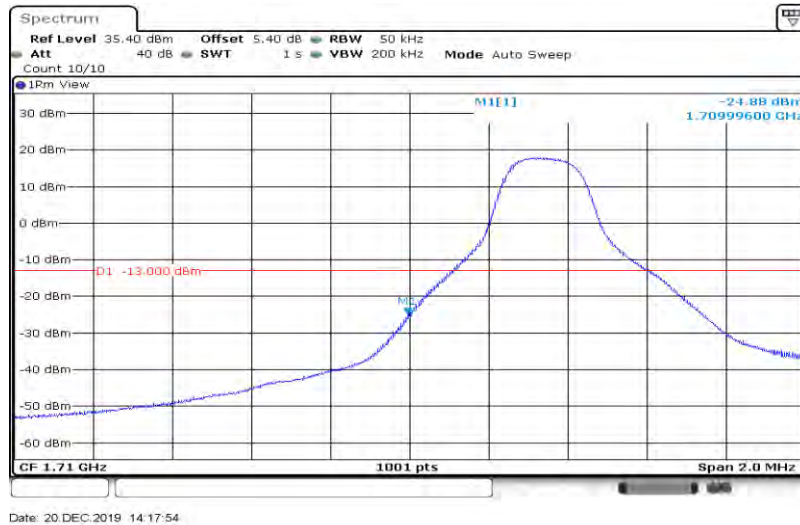
Date: 20 DEC. 2019 14:17:10

Band4-5MHz-QPSK-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



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



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



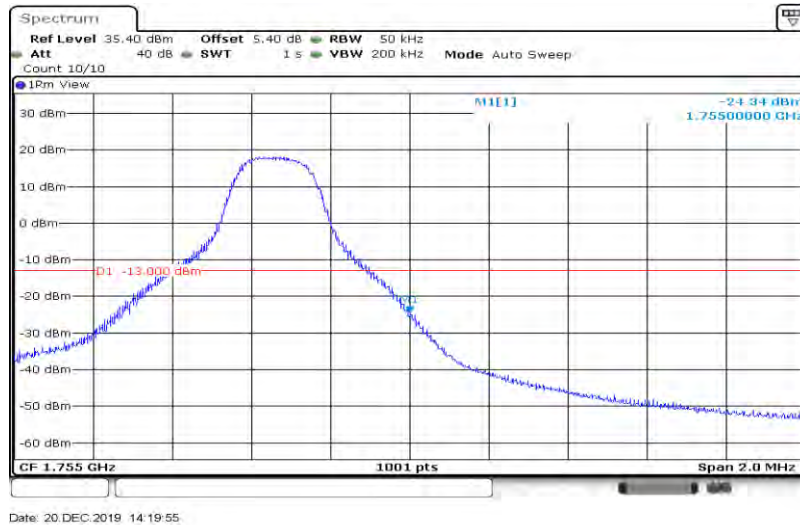
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 8307 1443, or email: CN.Doccheck@sgs.com

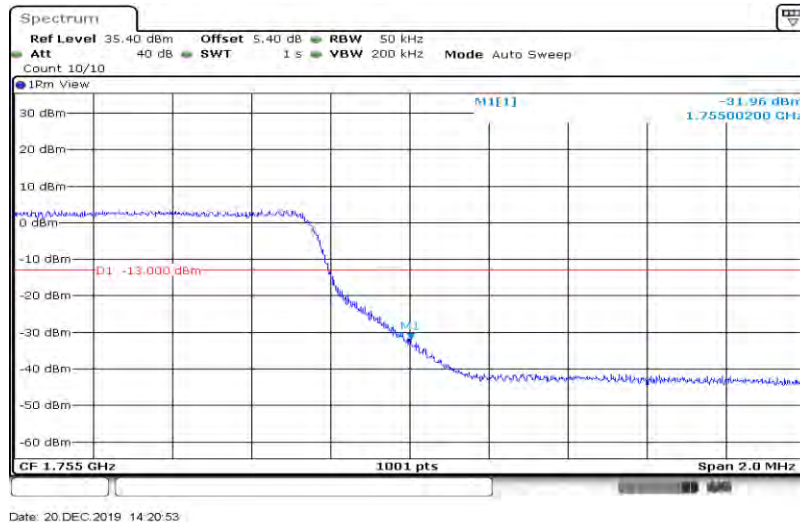
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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



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



Band4-5MHz-64QAM-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.

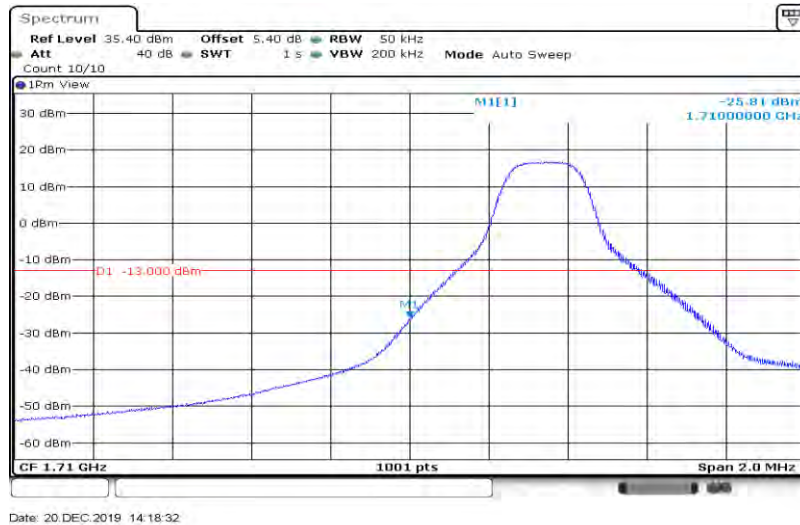
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594

www.sgsgroup.com.cn
sgs.china@sgs.com



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

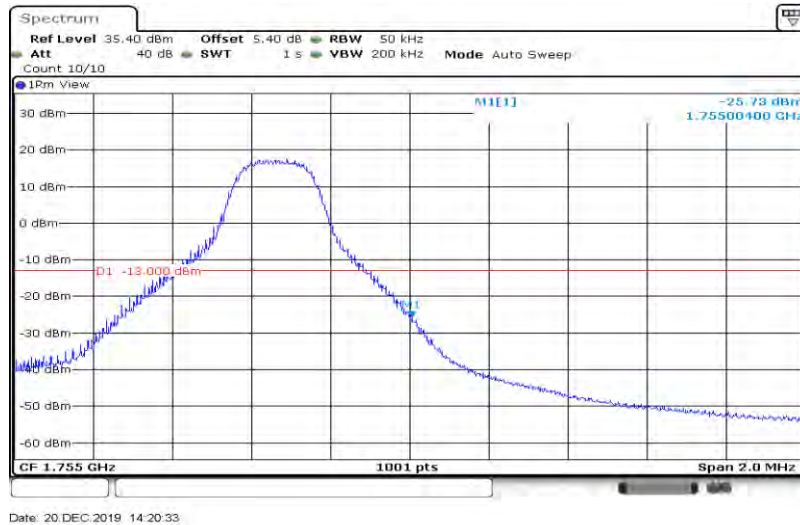


Band4-5MHz-64QAM-20375-1RB#24

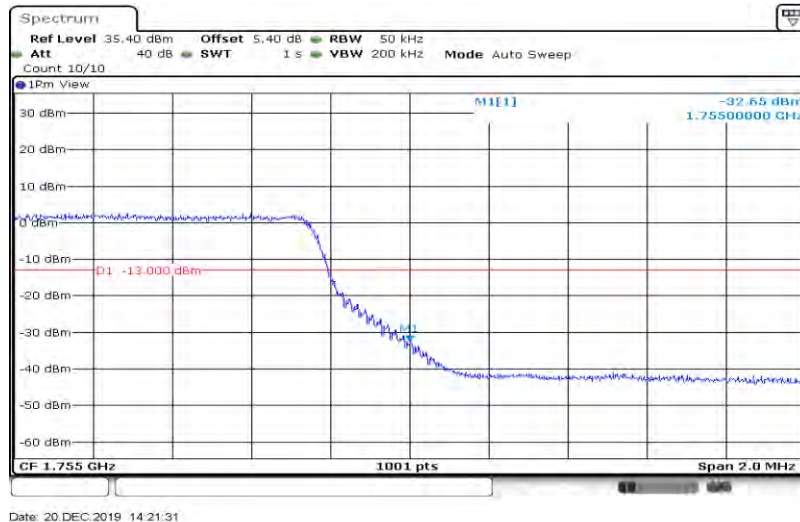


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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

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

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

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594

www.sgsgroup.com.cn
sgs.china@sgs.com



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



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) 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-16QAM-20375-25RB#0



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

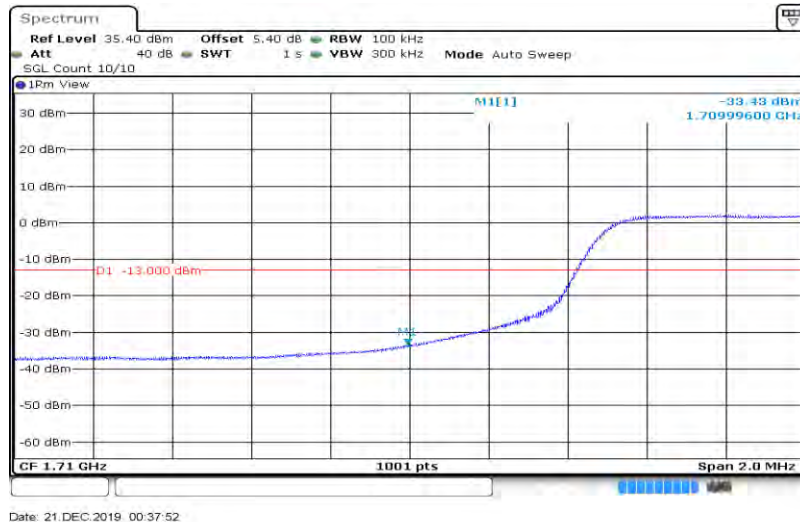


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

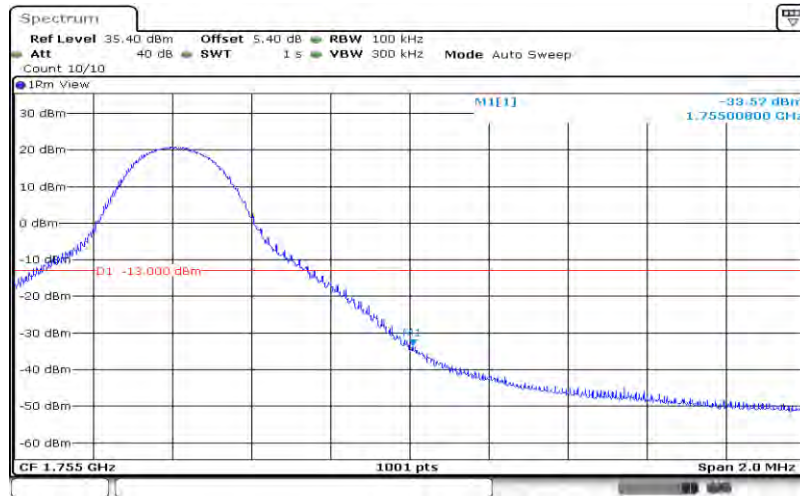
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594

www.sgsgroup.com.cn
sgs.china@sgs.com



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

Attention: 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-20000-50RB#0



Band4-10MHz-64QAM-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 advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: 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-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





Date: 21.DEC.2019 00:41:16

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



Date: 21.DEC.2019 00:42:14

Band4-15MHz-16QAM-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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: 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-16QAM-20325-75RB#0

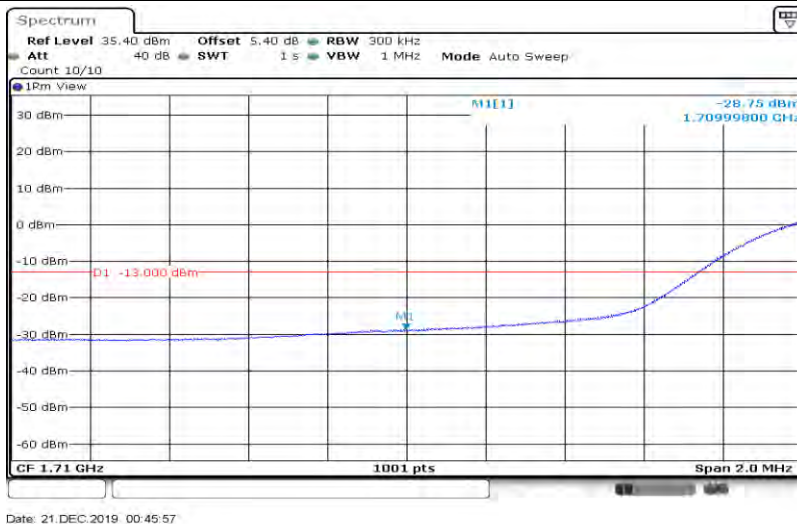


Band4-20MHz-QPSK-20050-1RB#0



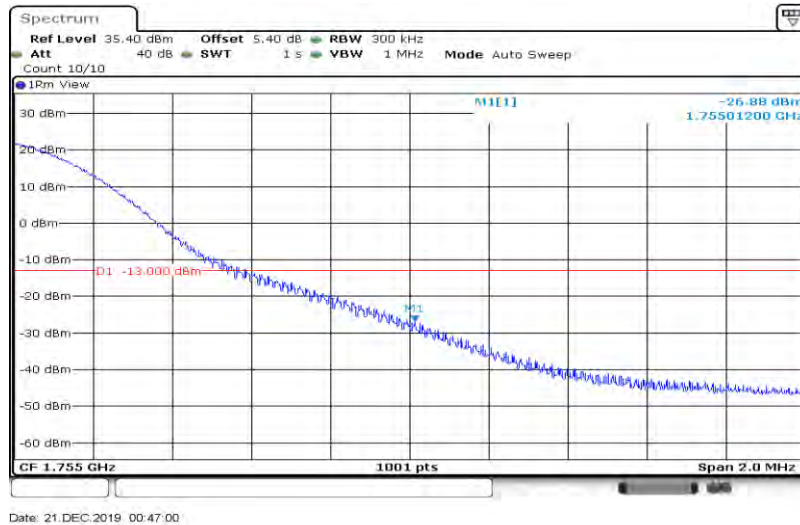


Band4-20MHz-QPSK-20050-100RB#0



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





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



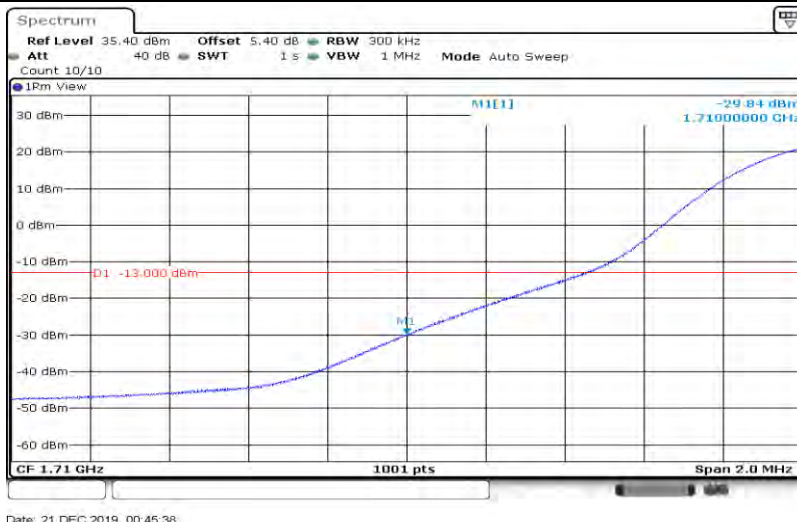
Band4-20MHz-64QAM-20050-1RB#0



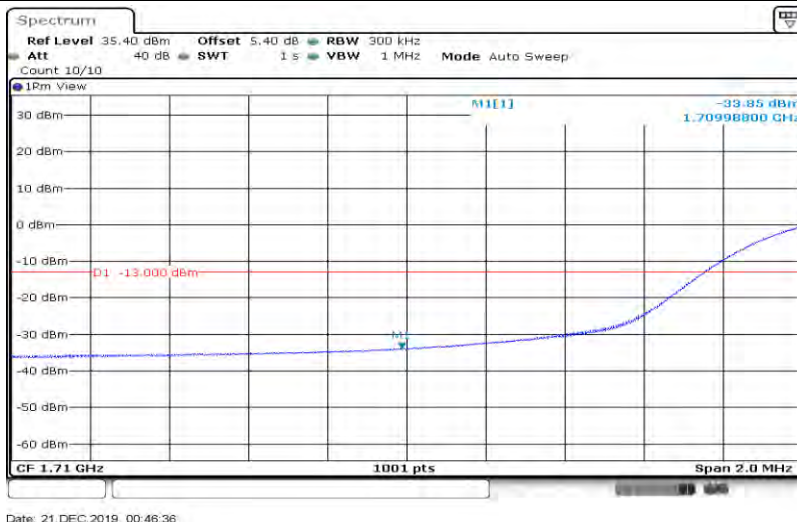
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-20050-100RB#0

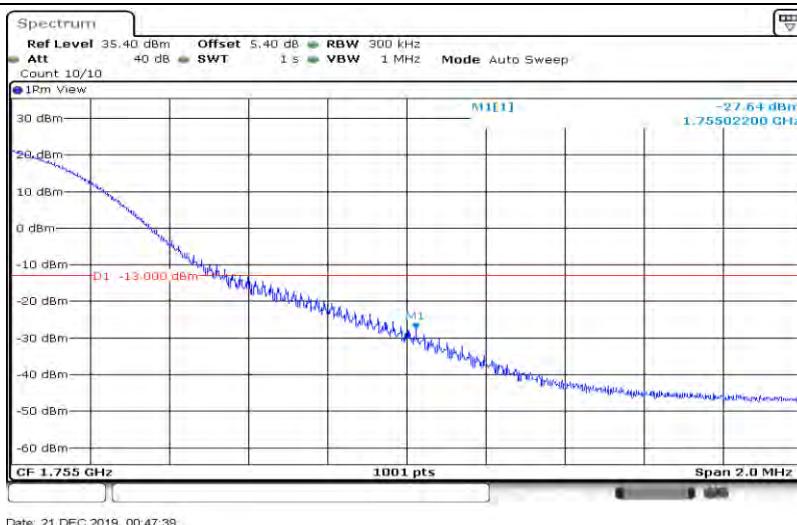


Band4-20MHz-64QAM-20300-1RB#99



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-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-20300-100RB#0

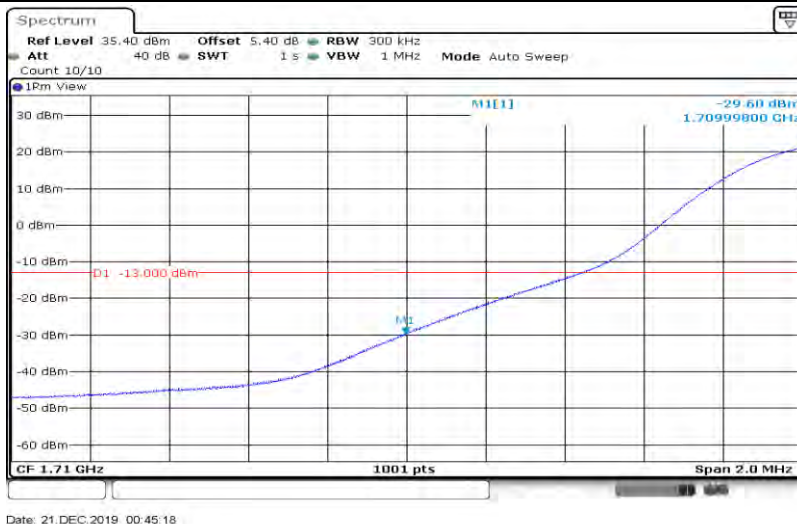


Band4-20MHz-16QAM-20050-1RB#0



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-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-20050-100RB#0



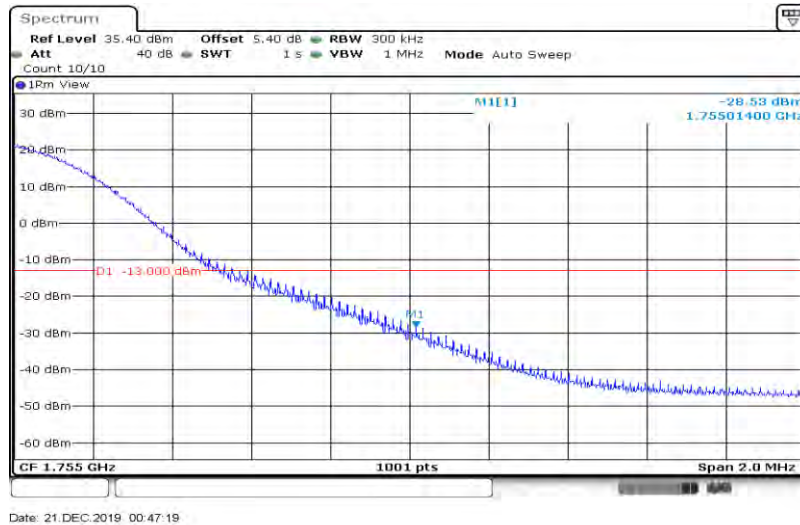
Band4-20MHz-16QAM-20300-1RB#99



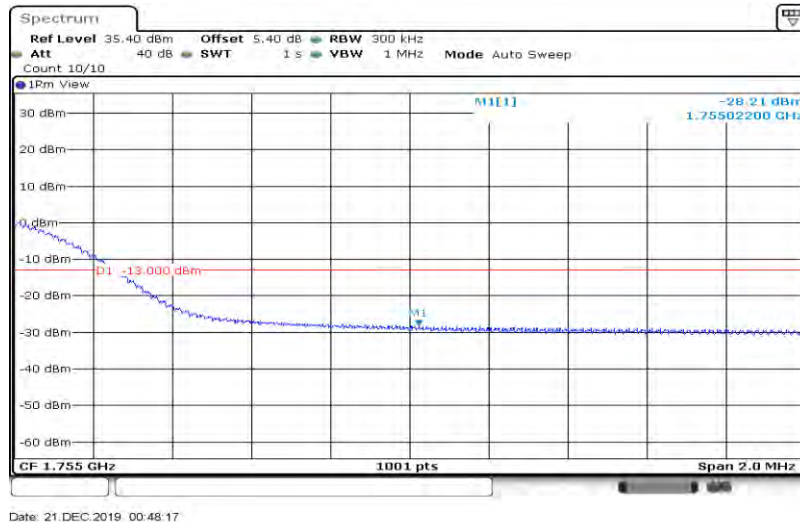
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



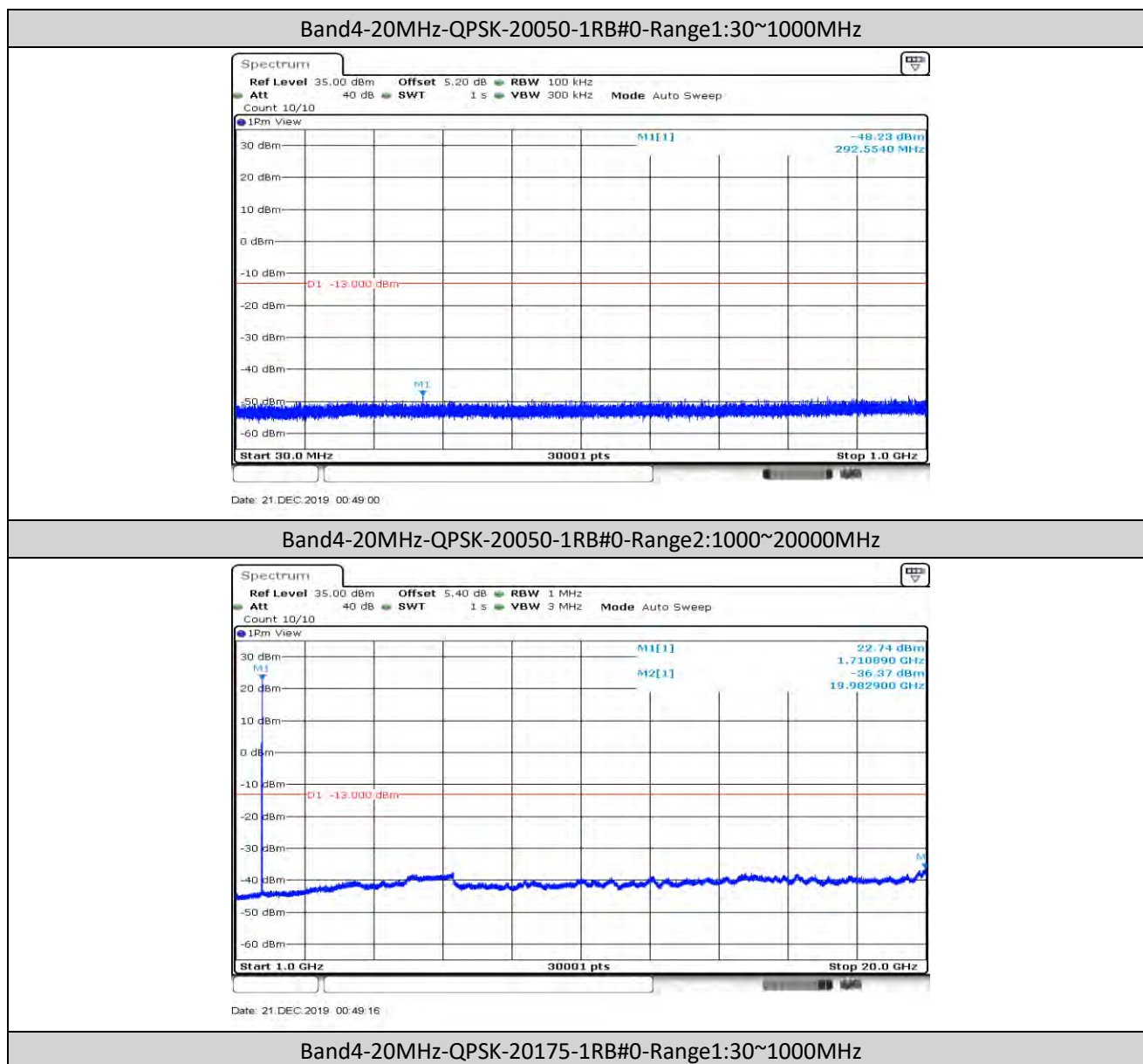


6. Spurious Emission at Antenna Terminal

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.

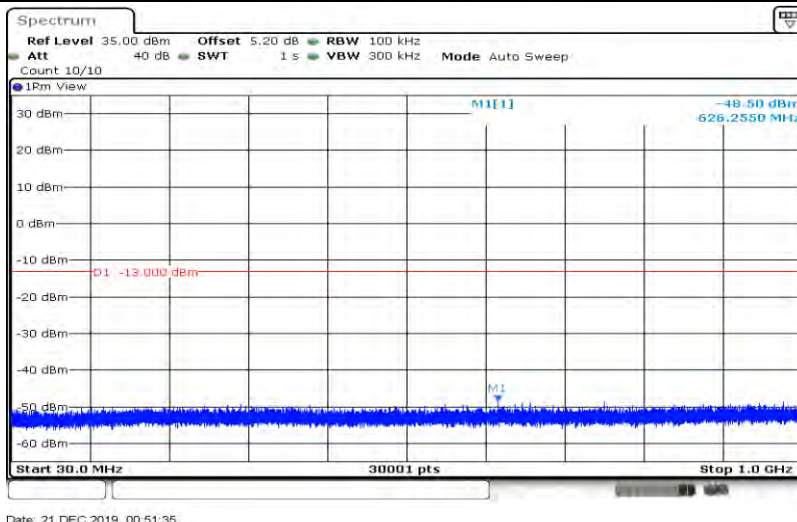
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

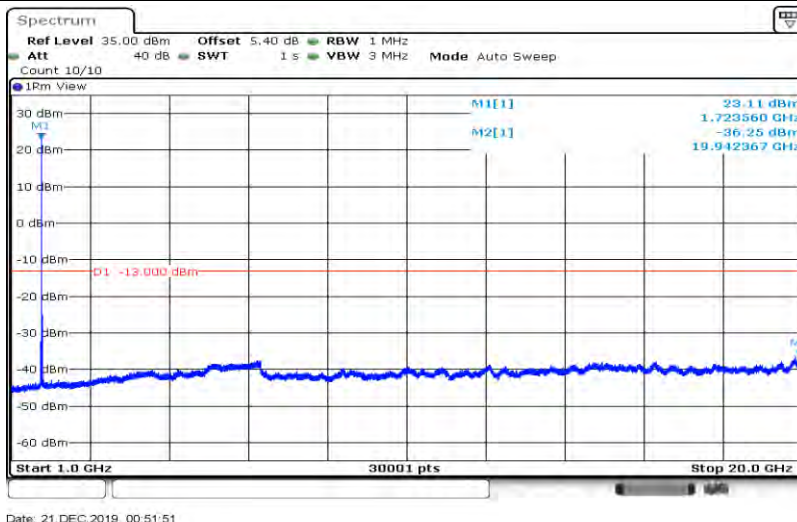


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

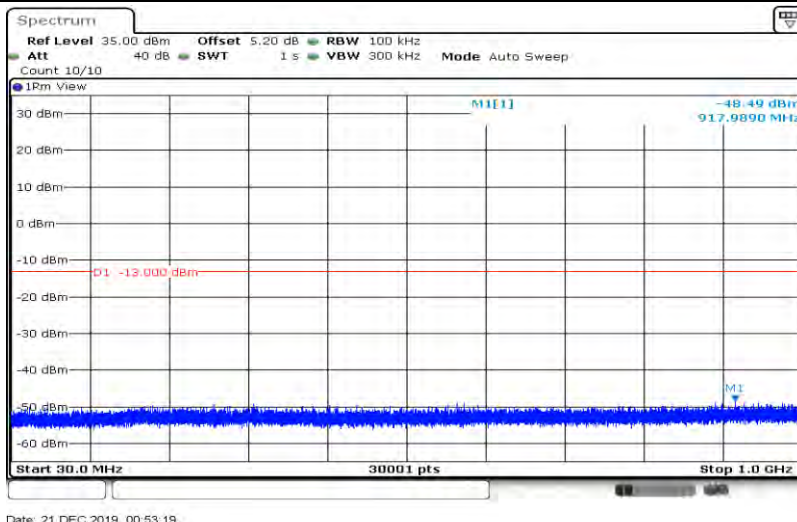


Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

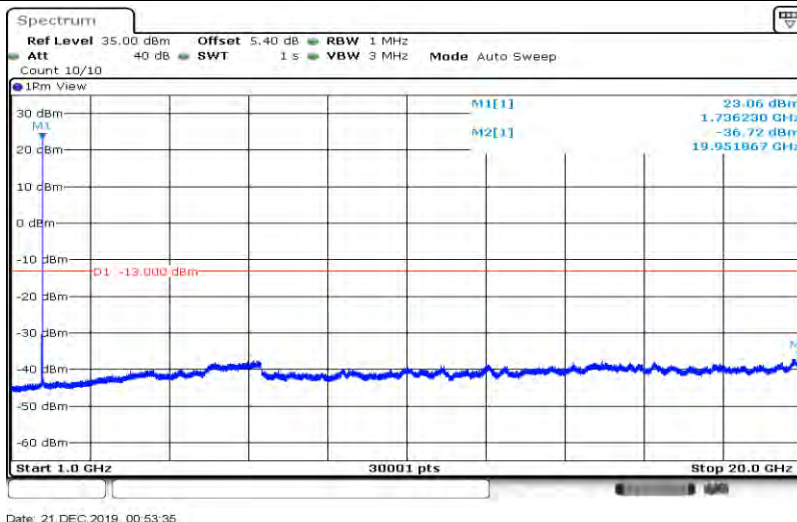


Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



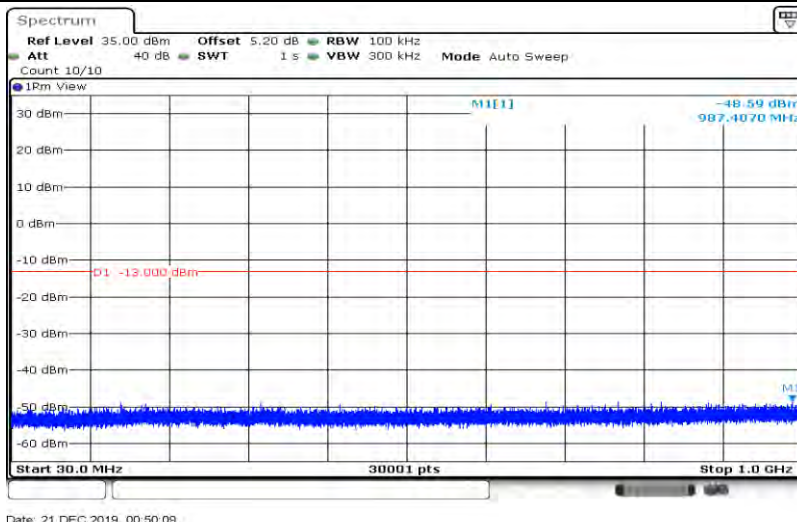


Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz

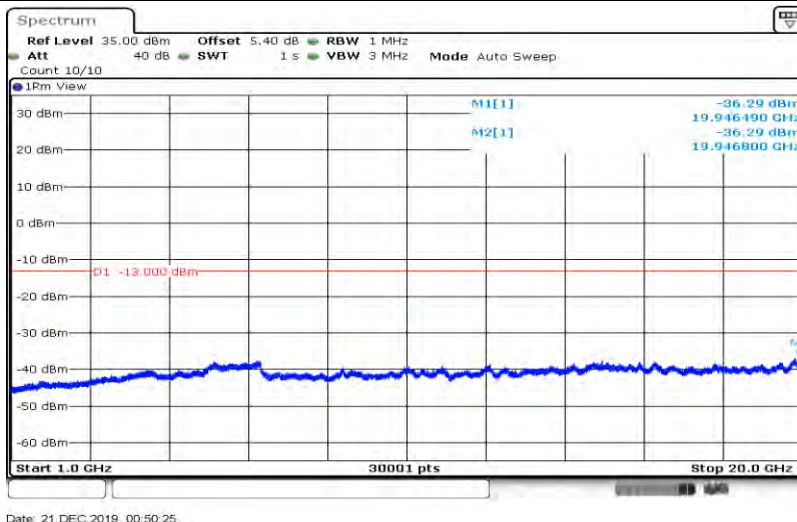


Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz



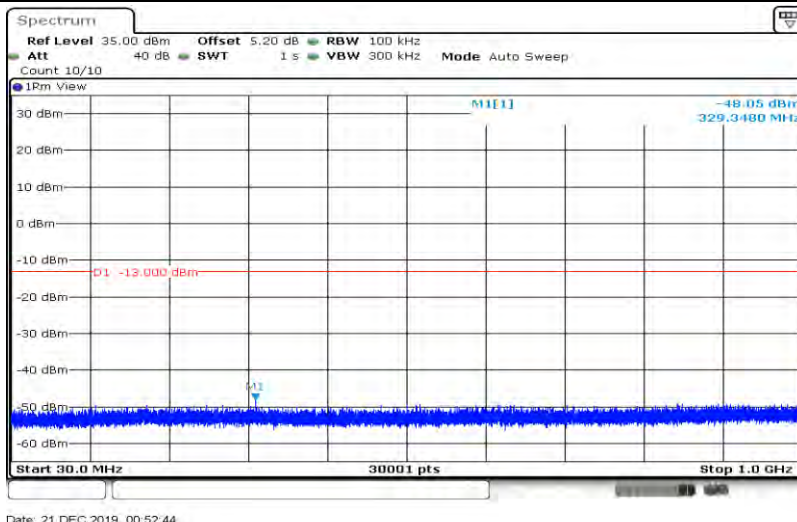


Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz

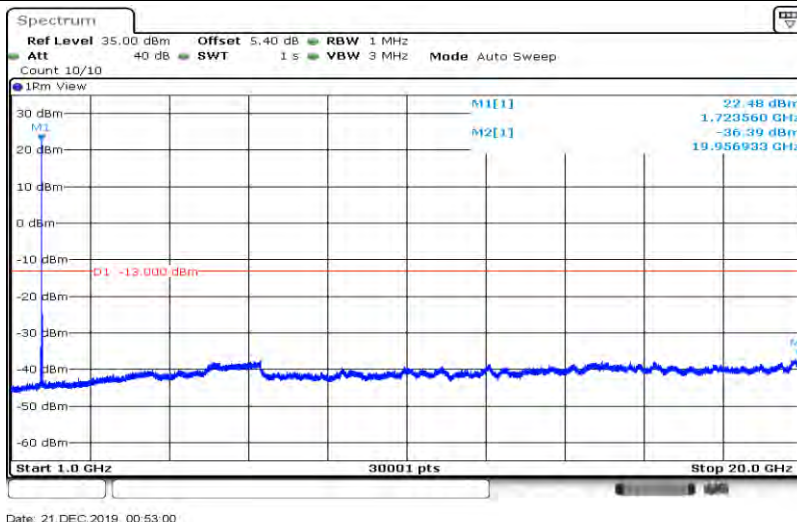


Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz





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

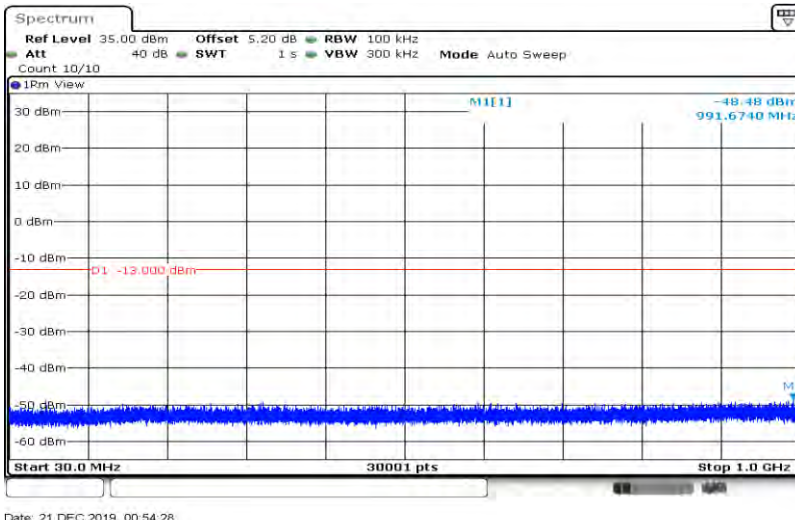


Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz

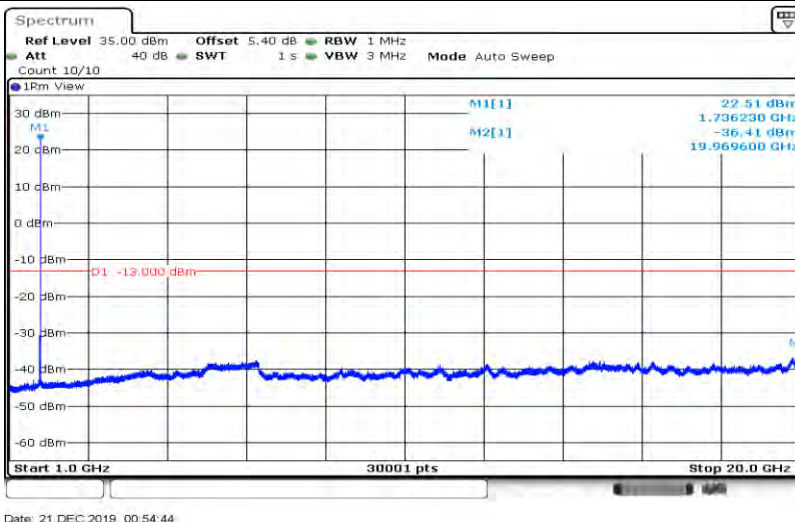


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

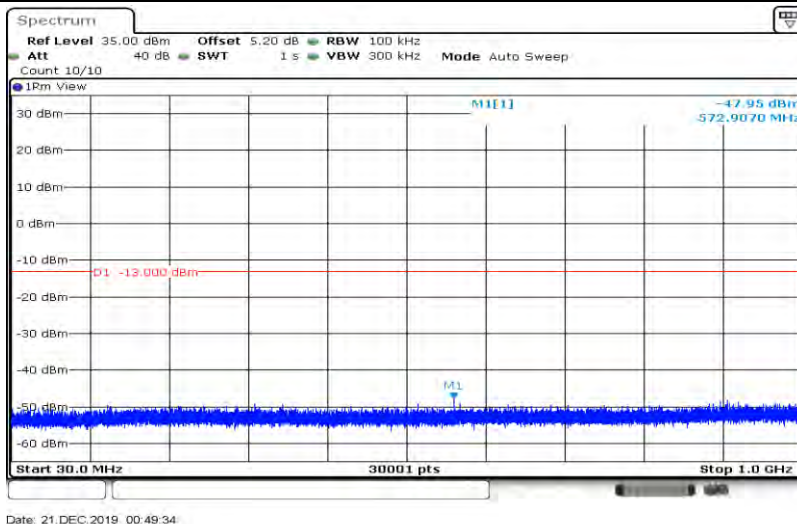


Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz

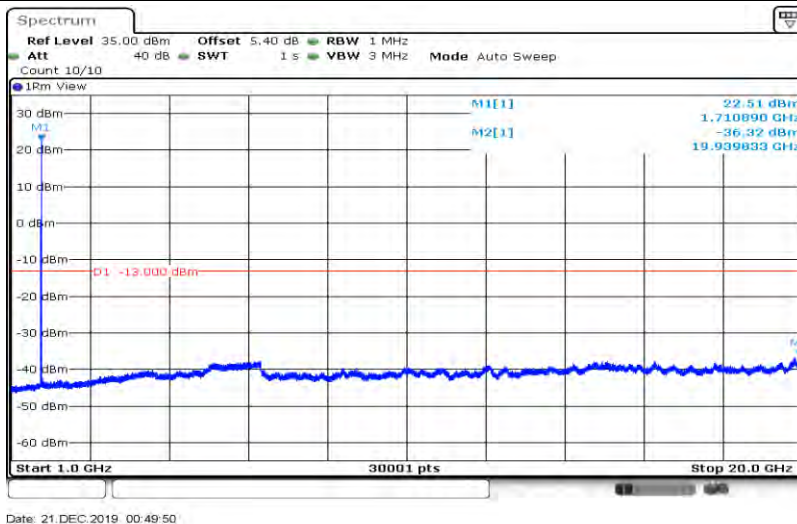


Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



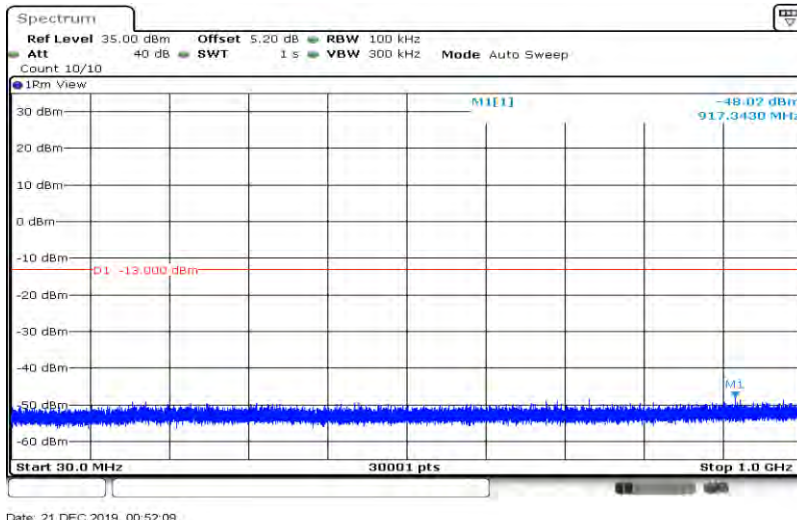


Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz

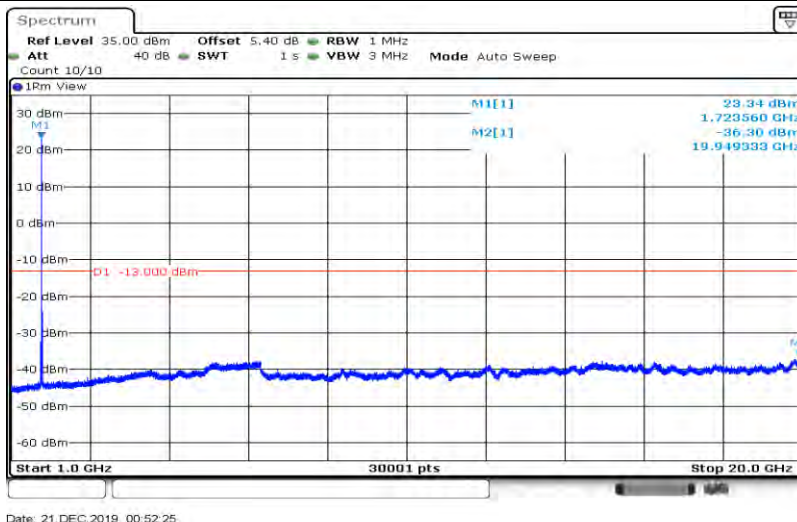


Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz





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

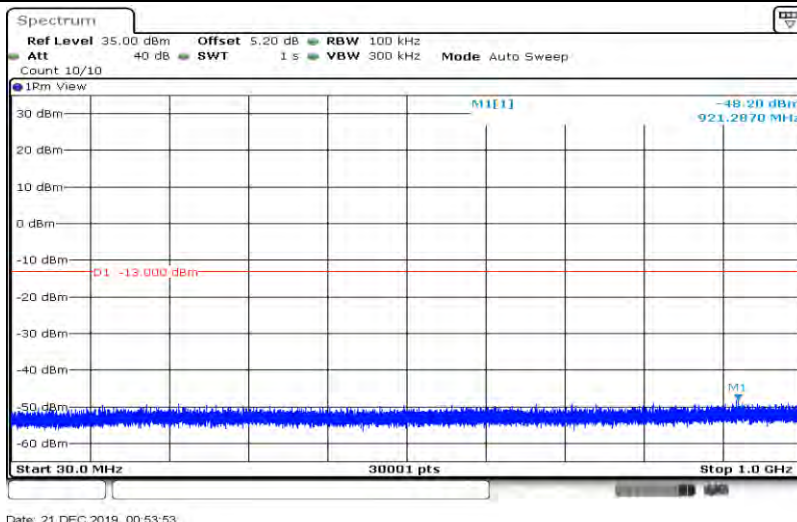


Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz

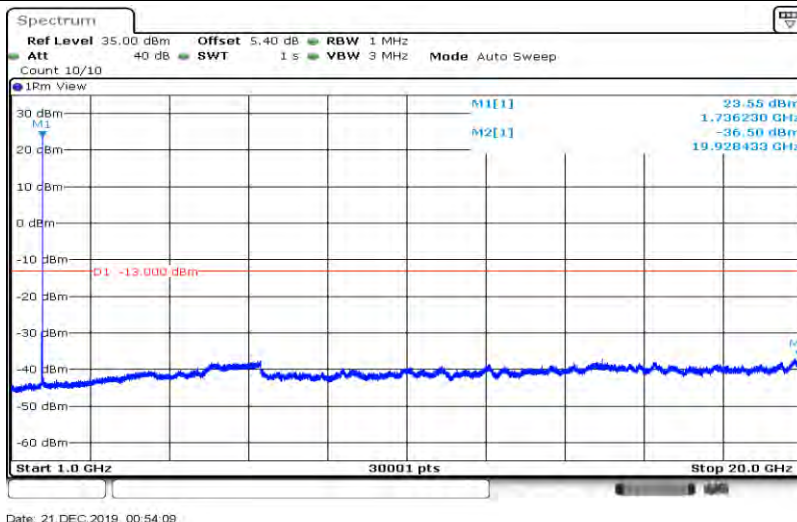


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



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

7.1. Test Mode =LTE/TM1 (Ant2)

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.3985	-64.63	-13.00	51.63	Vertical
811.7136	-61.65	-13.00	48.65	Vertical
2723.5447	-37.03	-13.00	24.03	Vertical
7376.1459	-57.55	-13.00	44.55	Vertical
14463.3821	-50.17	-13.00	37.17	Vertical
17999.0000	-44.60	-13.00	31.60	Vertical
42.0286	-64.49	-13.00	51.49	Horizontal
238.2209	-68.34	-13.00	55.34	Horizontal
745.1683	-62.04	-13.00	49.04	Horizontal
2700.7401	-35.49	-13.00	22.49	Horizontal
7378.1459	-58.67	-13.00	45.67	Horizontal
16397.9466	-50.05	-13.00	37.05	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.6895	-64.70	-13.00	51.70	Vertical
614.1147	-63.99	-13.00	50.99	Vertical
2695.5391	-36.49	-13.00	23.49	Vertical
7380.6460	-57.37	-13.00	44.37	Vertical
14472.8824	-49.54	-13.00	36.54	Vertical
17995.4999	-43.65	-13.00	30.65	Vertical
42.3681	-64.58	-13.00	51.58	Horizontal
235.7958	-68.70	-13.00	55.70	Horizontal
746.0413	-61.40	-13.00	48.40	Horizontal
2703.9408	-35.38	-13.00	22.38	Horizontal
9308.7103	-54.27	-13.00	41.27	Horizontal
16388.9463	-45.94	-13.00	32.94	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



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.0961	-65.44	-13.00	52.44	Vertical
608.0034	-64.01	-13.00	51.01	Vertical
2703.5407	-36.62	-13.00	23.62	Vertical
7436.1479	-57.77	-13.00	44.77	Vertical
14483.3828	-50.83	-13.00	37.83	Vertical
17995.9999	-46.07	-13.00	33.07	Vertical
46.0543	-64.33	-13.00	51.33	Horizontal
246.0298	-68.38	-13.00	55.38	Horizontal
847.7509	-61.61	-13.00	48.61	Horizontal
2697.5395	-35.36	-13.00	22.36	Horizontal
7386.6462	-58.14	-13.00	45.14	Horizontal
16398.9466	-47.39	-13.00	34.39	Horizontal

7.2. Test Mode =LTE/TM1 (Ant3)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.2045	-65.19	-13.00	52.19	Vertical
712.2351	-63.27	-13.00	50.27	Vertical
2697.5395	-36.47	-13.00	23.47	Vertical
8019.1673	-55.97	-13.00	42.97	Vertical
14476.3825	-47.95	-13.00	34.95	Vertical
17994.4998	-40.47	-13.00	27.47	Vertical
43.5322	-64.07	-13.00	51.07	Horizontal
227.1139	-68.46	-13.00	55.46	Horizontal
871.6141	-60.79	-13.00	47.79	Horizontal
2699.9400	-35.35	-13.00	22.35	Horizontal
7461.1487	-57.06	-13.00	44.06	Horizontal
16389.9463	-44.08	-13.00	31.08	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

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

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

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



7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.3086	-64.78	-13.00	51.78	Vertical
612.4171	-63.94	-13.00	50.94	Vertical
2695.1390	-36.46	-13.00	23.46	Vertical
7452.6484	-56.16	-13.00	43.16	Vertical
14497.3832	-47.67	-13.00	34.67	Vertical
17999.5000	-40.60	-13.00	27.60	Vertical
41.8346	-64.06	-13.00	51.06	Horizontal
234.0982	-68.70	-13.00	55.70	Horizontal
789.4510	-62.03	-13.00	49.03	Horizontal
2697.1394	-35.10	-13.00	22.10	Horizontal
8000.6667	-56.49	-13.00	43.49	Horizontal
16391.9464	-44.11	-13.00	31.11	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.4769	-65.32	-13.00	52.32	Vertical
748.1754	-61.93	-13.00	48.93	Vertical
2703.1406	-36.27	-13.00	23.27	Vertical
7354.1451	-56.50	-13.00	43.50	Vertical
14696.8899	-47.89	-13.00	34.89	Vertical
17994.9998	-40.62	-13.00	27.62	Vertical
44.6962	-64.14	-13.00	51.14	Horizontal
252.3351	-68.03	-13.00	55.03	Horizontal
898.5329	-60.55	-13.00	47.55	Horizontal
2699.1398	-35.22	-13.00	22.22	Horizontal
7473.6491	-56.62	-13.00	43.62	Horizontal
17999.0000	-44.93	-13.00	31.93	Horizontal

Remark:

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



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



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	4.60	0.002674	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-8.50	-0.004942	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	5.10	0.002965	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-10.70	-0.006176	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-2.90	-0.001674	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	2.20	0.001270	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-8.00	-0.004585	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-5.50	-0.003152	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	5.80	0.003324	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	-2.90	-0.001674	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	2.20	0.001270	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	-8.00	-0.004585	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-11.20	-0.006465	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-6.90	-0.003983	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	4.00	0.002309	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	1.80	0.001032	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-4.80	-0.002751	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	6.40	0.003721	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.80	0.002791	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-9.00	-0.005233	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-8.10	-0.004675	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	5.10	0.002944	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-2.40	-0.001385	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-1.60	-0.000917	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-5.30	-0.003037	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-0.20	-0.000115	±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
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-10.40	-0.006047	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-7.10	-0.004128	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	5.70	0.003314	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-1.20	-0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-7.50	-0.004360	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	4.30	0.002500	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-6.60	-0.003837	±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	QPSK	20175	100RB#0	NV	-30	-3.20	-0.001847	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-9.10	-0.005253	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	2.90	0.001674	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-5.90	-0.003405	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-11.10	-0.006407	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-4.30	-0.002482	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-8.50	-0.004906	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	1.40	0.000802	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-4.70	-0.002693	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-9.70	-0.005559	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-10.30	-0.005903	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	5.70	0.003266	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	2.50	0.001433	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	-8.50	-0.004906	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	2.50	0.001433	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	1.40	0.000802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	2.70	0.001558	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	0.70	0.000404	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	1.40	0.000802	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-10.70	-0.006176	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	2.70	0.001558	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-10.40	-0.006003	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	0.70	0.000404	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	-8.00	-0.004618	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	-4.50	-0.002597	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	5.50	0.003175	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	1.40	0.000802	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	3.80	0.002178	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-10.80	-0.006189	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-5.80	-0.003324	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	5.40	0.003095	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-4.40	-0.002521	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-7.00	-0.004070	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-6.00	-0.003488	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-8.50	-0.004942	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-8.60	-0.005000	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-9.30	-0.005407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-11.10	-0.006453	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	5.20	0.003023	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	4.10	0.002384	±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.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	20175	100RB#0	NV	-30	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	1.80	0.001039	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	3.40	0.001962	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	4.30	0.002482	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	4.70	0.002713	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	4.40	0.002540	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	3.40	0.001962	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	2.70	0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	5.00	0.002865	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-11.50	-0.006590	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	5.20	0.002980	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-11.50	-0.006590	±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	6.00	0.003438	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-11.10	-0.006361	±2.5	PASS

The End



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

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