



Appendix B

E-UTRA Band 4



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	4
1.1	TEST RESULT	4
2	PEAK-TO-AVERAGE RATIO (CCDF)	26
2.1	TEST RESULT	26
2.2	TEST PLOTS	26
3	MODULATION CHARACTERISTICS	31
3.1	TEST MODE = LTE /TM1 20MHZ	31
3.1.1	TEST CHANNEL = MCH	31
3.2	TEST MODE = LTE /TM2 20MHZ	32
3.2.1	TEST CHANNEL = MCH	32
3.2	TEST MODE = LTE /TM3 20MHZ	33
3.3.1	TEST CHANNEL = MCH	33
4	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	34
4.1	TEST RESULT	34
4.2	TEST PLOTS	36
5	BAND EDGE COMPLIANCE	63
5.1	TEST PLOTS	63
6	SPURIOUS EMISSION AT ANTENNA TERMINAL	100
6.1	TEST PLOTS	100
7	FIELD STRENGTH OF SPURIOUS RADIATION.....	110
7.1	TEST MODE =LTE/TM1 20MHZ(ANT1)	110
7.1.1	TEST CHANNEL = LCH	110
7.1.2	TEST CHANNEL = MCH	110
7.1.3	TEST CHANNEL = HCH	111
7.2	TEST MODE =LTE/TM1 20MHZ(ANT2)	111
7.2.1	TEST CHANNEL = LCH	111
7.2.2	TEST CHANNEL = MCH	112
7.2.3	TEST CHANNEL = HCH	112



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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



8	FREQUENCY STABILITY	113
8.1	FREQUENCY VS VOLTAGE	113
8.2	FREQUENCY VS TEMPERATURE	113



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com



1 Effective (Isotropic) Radiated Power

1.1 Test Result

ANT1:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.05	23.62	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.01	23.58	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.02	23.59	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.07	23.64	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.05	23.62	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.06	23.63	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.06	22.63	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.97	23.54	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.98	23.55	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.96	23.53	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.97	23.54	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.00	23.57	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.94	23.51	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.07	22.64	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.90	23.47	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.92	23.49	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.90	23.47	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.95	23.52	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.96	23.53	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.94	23.51	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.92	22.49	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.23	22.8	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.20	22.77	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.21	22.78	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	23.17	22.74	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	23.14	22.71	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.17	22.74	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.08	21.65	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.17	22.74	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.19	22.76	30.00	PASS



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

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



Band4	1.4MHz	16QAM	20175	1RB#5	23.14	22.71	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	23.15	22.72	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.21	22.78	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.12	22.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.13	21.7	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.23	22.8	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.04	22.61	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.23	22.8	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.99	22.56	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.02	22.59	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.05	22.62	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.00	21.57	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.85	21.42	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.93	21.5	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.91	21.48	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.94	21.51	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	21.89	21.46	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.85	21.42	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.79	20.36	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.02	21.59	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.04	21.61	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.98	21.55	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.94	21.51	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	21.94	21.51	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.92	21.49	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.86	20.43	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.93	21.5	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.87	21.44	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.87	21.44	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.79	21.36	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	21.79	21.36	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.78	21.35	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.71	20.28	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.06	23.63	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.12	23.69	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.08	23.65	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.04	22.61	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.02	22.59	30.00	PASS



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

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



Band4	3MHz	QPSK	19965	8RB#7	22.99	22.56	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	23.04	22.61	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.97	23.54	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.98	23.55	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.96	23.53	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.08	22.65	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.01	22.58	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.03	22.6	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.07	22.64	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.95	23.52	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.95	23.52	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.92	23.49	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.91	22.48	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.90	22.47	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.90	22.47	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.86	22.43	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.26	22.83	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.26	22.83	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.27	22.84	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.09	21.66	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.08	21.65	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.04	21.61	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.01	21.58	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.27	22.84	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.31	22.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.28	22.85	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.09	21.66	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.05	21.62	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.06	21.63	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.02	21.59	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.04	22.61	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.08	22.65	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.13	22.7	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.95	21.52	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.93	21.5	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.94	21.51	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.89	21.46	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.03	21.6	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10楼一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	3MHz	64QAM	19965	1RB#8	22.05	21.62	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.99	21.56	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.84	20.41	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.81	20.38	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.84	20.41	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.78	20.35	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.02	21.59	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.06	21.63	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.00	21.57	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.89	20.46	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.82	20.39	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.81	20.38	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.79	20.36	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.89	21.46	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.87	21.44	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.88	21.45	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.74	20.31	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.70	20.27	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.70	20.27	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.72	20.29	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.09	23.66	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.12	23.69	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.06	23.63	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.08	22.65	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.03	22.6	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.01	22.58	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.04	22.61	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.00	23.57	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.00	23.57	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.00	23.57	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.08	22.65	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.06	22.63	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.05	22.62	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.06	22.63	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.91	23.48	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.97	23.54	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.94	23.51	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.00	22.57	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Quechua@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楼一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	5MHz	QPSK	20375	12RB#6	22.93	22.5	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.90	22.47	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.92	22.49	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.25	22.82	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.25	22.82	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.24	22.81	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	22.06	21.63	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.04	21.61	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.02	21.59	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.03	21.6	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.31	22.88	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.23	22.8	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.26	22.83	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.05	21.62	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.11	21.68	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.07	21.64	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.06	21.63	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.16	22.73	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.25	22.82	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.18	22.75	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.01	21.58	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.89	21.46	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.90	21.47	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.88	21.45	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.02	21.59	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.03	21.6	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.03	21.6	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.83	20.4	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.84	20.41	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.82	20.39	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.89	20.46	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.99	21.56	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.05	21.62	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.05	21.62	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.88	20.45	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.90	20.47	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	20.87	20.44	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.95	20.52	30.00	PASS





Band4	5MHz	64QAM	20375	1RB#0	21.92	21.49	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.88	21.45	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.85	21.42	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.79	20.36	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.75	20.32	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.75	20.32	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.76	20.33	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.06	23.63	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.01	23.58	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.00	23.57	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.08	22.65	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.04	22.61	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.06	22.63	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.06	22.63	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.96	23.53	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.99	23.56	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.98	23.55	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.07	22.64	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.01	22.58	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.06	22.63	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.05	22.62	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.90	23.47	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.99	23.56	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.92	23.49	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.01	22.58	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.95	22.52	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.96	22.53	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.99	22.56	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.17	22.74	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.23	22.8	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.27	22.84	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.08	21.65	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.08	21.65	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.04	21.61	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.05	21.62	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.17	22.74	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.23	22.8	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.17	22.74	30.00	PASS



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

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518067 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10楼一号厂房 邮编: 518067 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	10MHz	16QAM	20175	25RB#0	22.06	21.63	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.01	21.58	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.02	21.59	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.04	21.61	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.20	22.77	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.14	22.71	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.10	22.67	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.99	21.56	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.94	21.51	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.95	21.52	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.96	21.53	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.06	21.63	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.09	21.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.08	21.65	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.94	20.51	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.90	20.47	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.87	20.44	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.87	20.44	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.02	21.59	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.11	21.68	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.07	21.64	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.87	20.44	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.90	20.47	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.87	20.44	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.88	20.45	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.01	21.58	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.93	21.5	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.86	21.43	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.86	20.43	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.80	20.37	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.79	20.36	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.76	20.33	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.00	23.57	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.99	23.56	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.96	23.53	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	24.03	23.6	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	24.07	23.64	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.98	23.55	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Qoscheck@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	20025	75RB#0	23.04	22.61	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.93	23.5	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.00	23.57	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.94	23.51	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.94	23.51	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.96	23.53	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.98	23.55	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.01	22.58	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.93	23.5	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.98	23.55	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.89	23.46	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.93	23.5	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	23.92	23.49	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	23.96	23.53	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.96	22.53	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.17	22.74	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.18	22.75	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.35	22.92	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	23.11	22.68	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	23.25	22.82	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	23.20	22.77	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.07	21.64	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.28	22.85	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.21	22.78	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.22	22.79	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	23.31	22.88	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	23.30	22.87	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	23.22	22.79	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.01	21.58	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.25	22.82	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.25	22.82	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.06	22.63	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	23.26	22.83	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	23.12	22.69	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	23.21	22.78	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.94	21.51	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.05	21.62	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.13	21.7	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Quechuan@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#74	22.04	21.61	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#0	22.16	21.73	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	22.14	21.71	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	22.13	21.7	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.85	20.42	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.11	21.68	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.17	21.74	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.09	21.66	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	22.10	21.67	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	22.12	21.69	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	22.13	21.7	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.89	20.46	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.05	21.62	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.98	21.55	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.84	21.41	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	22.10	21.67	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	22.00	21.57	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	21.93	21.5	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.79	20.36	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.00	23.57	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.04	23.61	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.93	23.5	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.12	22.69	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.10	22.67	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.23	22.8	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.03	22.6	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.91	23.48	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.02	23.59	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.93	23.5	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.95	22.52	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.07	22.64	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.99	22.56	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.05	22.62	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.91	23.48	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.93	23.5	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.87	23.44	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.13	22.7	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.03	22.6	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Docscheck@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	20300	50RB#50	22.96	22.53	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.02	22.59	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.05	22.62	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.25	22.82	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.18	22.75	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.10	21.67	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.07	21.64	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.23	21.8	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.05	21.62	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.21	22.78	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.22	22.79	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.25	22.82	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.91	21.48	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.06	21.63	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.97	21.54	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.03	21.6	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.23	22.8	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.14	22.71	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.97	22.54	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.14	21.71	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.00	21.57	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.92	21.49	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.99	21.56	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.04	21.61	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.07	21.64	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.04	21.61	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.96	20.53	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.97	20.54	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.01	20.58	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.89	20.46	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.94	21.51	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.14	21.71	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	22.07	21.64	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.79	20.36	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.92	20.49	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.83	20.4	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.86	20.43	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.01	21.58	30.00	PASS



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

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



Band4	20MHz	64QAM	20300	1RB#49	21.97	21.54	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.86	21.43	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	21.01	20.58	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.82	20.39	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.76	20.33	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.80	20.37	30.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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



ANT2:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.14	20.84	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.63	20.33	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.00	20.7	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.77	20.47	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.93	20.63	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.85	20.55	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.86	19.56	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.01	20.71	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.62	20.32	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.80	20.5	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.93	20.63	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.90	20.6	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.89	20.59	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.90	19.6	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.96	20.66	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.68	20.38	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.96	20.66	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.66	20.36	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.73	20.43	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.82	20.52	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.76	19.46	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.14	19.84	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.82	19.52	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.31	20.01	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.85	19.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.80	19.5	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.00	19.7	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.89	18.59	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.11	19.81	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.39	20.09	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.33	20.03	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.87	19.57	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.85	19.55	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.79	19.49	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.93	18.63	30.00	PASS



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

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



Band4	1.4MHz	16QAM	20393	1RB#0	22.27	19.97	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.32	20.02	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.01	19.71	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.87	19.57	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.85	19.55	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.81	19.51	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.73	18.43	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.85	18.55	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.88	18.58	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.91	18.61	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.66	18.36	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.66	18.36	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.87	18.57	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.84	17.54	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.90	18.6	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.77	18.47	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.69	18.39	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.89	18.59	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.76	18.46	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.87	18.57	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.90	17.6	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.88	18.58	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.76	18.46	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.70	18.4	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.75	18.45	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.79	18.49	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.87	18.57	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.88	17.58	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.97	20.67	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.78	20.48	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.95	20.65	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.82	19.52	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.87	19.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.80	19.5	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.82	19.52	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.77	20.47	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.89	20.59	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.78	20.48	30.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Public 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楼一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4	3MHz	QPSK	20175	8RB#0	21.81	19.51	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.86	19.56	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.81	19.51	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.84	19.54	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.69	20.39	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.66	20.36	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.84	20.54	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.70	19.4	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.73	19.43	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.71	19.41	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.70	19.4	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.11	19.81	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.81	19.51	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.05	19.75	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.98	18.68	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.90	18.6	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.93	18.63	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.81	18.51	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.46	20.16	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.26	19.96	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.92	19.62	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.93	18.63	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.90	18.6	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.93	18.63	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.80	18.5	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.00	19.7	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.01	19.71	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.89	19.59	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.67	18.37	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.80	18.5	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.85	18.55	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.77	18.47	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.67	18.37	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.76	18.46	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.90	18.6	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	19.91	17.61	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	19.89	17.59	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	19.84	17.54	30.00	PASS



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

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518067 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: 518067 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	3MHz	64QAM	19965	15RB#0	19.68	17.38	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.91	18.61	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.77	18.47	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.79	18.49	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	19.83	17.53	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	19.66	17.36	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	19.76	17.46	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.80	17.5	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.70	18.4	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.83	18.53	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.72	18.42	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	19.81	17.51	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	19.81	17.51	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	19.70	17.4	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.66	17.36	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.83	20.53	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.97	20.67	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.84	20.54	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.83	19.53	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.82	19.52	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.73	19.43	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.79	19.49	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.79	20.49	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.84	20.54	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.87	20.57	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.89	19.59	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.90	19.6	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.80	19.5	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.87	19.57	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.67	20.37	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.69	20.39	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.87	20.57	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.74	19.44	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.73	19.43	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.73	19.43	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.71	19.41	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.68	19.38	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.12	19.82	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Docscheck@sgs.com
 No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518067 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: 518067 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	5MHz	16QAM	19975	1RB#24	21.81	19.51	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.84	18.54	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.76	18.46	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.76	18.46	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.79	18.49	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.69	19.39	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.38	20.08	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.09	19.79	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.83	18.53	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.80	18.5	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.84	18.54	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.93	18.63	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.25	19.95	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.25	19.95	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.22	19.92	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.78	18.48	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.75	18.45	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.67	18.37	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.61	18.31	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.69	18.39	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.87	18.57	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.78	18.48	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	19.68	17.38	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.66	17.36	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.71	17.41	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.82	17.52	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.83	18.53	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.87	18.57	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.83	18.53	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	19.74	17.44	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	19.85	17.55	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	19.65	17.35	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.85	17.55	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.77	18.47	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.72	18.42	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.68	18.38	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	19.83	17.53	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.86	17.56	30.00	PASS



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

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



Band4	5MHz	64QAM	20375	12RB#13	19.80	17.5	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.91	17.61	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.93	20.63	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.89	20.59	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.77	20.47	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.88	19.58	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.86	19.56	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.80	19.5	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.84	19.54	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.96	20.66	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.91	20.61	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.92	20.62	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.82	19.52	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.89	19.59	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.90	19.6	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.91	19.61	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.88	20.58	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.78	20.48	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.69	20.39	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.86	19.56	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.72	19.42	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.75	19.45	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.78	19.48	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.67	19.37	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.68	19.38	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.08	19.78	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.99	18.69	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.91	18.61	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.89	18.59	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.89	18.59	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.85	19.55	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.34	20.04	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.65	19.35	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.90	18.6	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.82	18.52	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.90	18.6	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.80	18.5	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.70	19.4	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Quechek@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	16QAM	20350	1RB#24	22.39	20.09	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.85	19.55	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.80	18.5	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.82	18.52	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.78	18.48	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.90	18.6	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.79	18.49	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.90	18.6	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.75	18.45	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	19.85	17.55	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.71	17.41	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.81	17.51	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.90	17.6	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.75	18.45	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.83	18.53	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.77	18.47	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	19.70	17.4	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.81	17.51	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.76	17.46	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.71	17.41	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.77	18.47	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.88	18.58	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.77	18.47	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	19.77	17.47	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	19.91	17.61	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	19.90	17.6	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.89	17.59	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.18	20.88	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.60	20.3	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.95	20.65	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.88	19.58	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.82	19.52	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.77	19.47	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.82	19.52	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.77	20.47	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.07	20.77	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.78	20.48	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.78	19.48	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Quechua@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楼一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	15MHz	QPSK	20175	38RB#18	21.86	19.56	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.82	19.52	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.90	19.6	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.60	20.3	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.10	20.8	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.71	20.41	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.92	19.62	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.79	19.49	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.69	19.39	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.75	19.45	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.11	19.81	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.69	19.39	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.29	19.99	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.86	18.56	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.81	18.51	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.89	18.59	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.70	18.4	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.51	20.21	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.67	19.37	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.18	19.88	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.80	18.5	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.93	18.63	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.80	18.5	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.79	18.49	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.28	19.98	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.29	19.99	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.82	19.52	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.92	18.62	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.86	18.56	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.77	18.47	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.72	18.42	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.90	18.6	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.71	18.41	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.66	18.36	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#0	19.70	17.4	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	19.74	17.44	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	19.74	17.44	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.66	17.36	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Quechua@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	20175	1RB#0	20.66	18.36	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.79	18.49	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.88	18.58	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	19.74	17.44	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	19.75	17.45	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	19.79	17.49	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.69	17.39	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.67	18.37	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.89	18.59	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.75	18.45	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	19.77	17.47	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	19.78	17.48	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	19.82	17.52	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.90	17.6	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.16	20.86	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.15	20.85	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.98	20.68	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.14	19.84	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.10	19.8	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.16	19.86	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.08	19.78	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.87	20.57	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.98	20.68	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.92	20.62	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.96	19.66	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.10	19.8	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.96	19.66	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.06	19.76	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.06	20.76	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.10	20.8	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.91	20.61	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.22	19.92	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.08	19.78	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.94	19.64	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.93	19.63	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.82	19.52	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.18	19.88	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.40	20.1	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Docscheck@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栋一厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4	20MHz	16QAM	20050	50RB#0	21.08	18.78	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.02	18.72	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.12	18.82	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.99	18.69	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.25	19.95	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.32	20.02	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.92	19.62	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.89	18.59	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.07	18.77	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.02	18.72	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.02	18.72	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.43	20.13	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.16	19.86	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.37	20.07	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.19	18.89	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.12	18.82	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.88	18.58	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.00	18.7	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.84	18.54	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.66	18.36	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.69	18.39	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	19.88	17.58	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.65	17.35	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.66	17.36	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.65	17.35	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.70	18.4	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.84	18.54	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.67	18.37	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	19.81	17.51	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	19.83	17.53	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	19.85	17.55	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.72	17.42	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.77	18.47	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.85	18.55	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.87	18.57	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	19.80	17.5	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	19.82	17.52	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	19.79	17.49	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.Quechua@sgs.com

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



Band4	20MHz	64QAM	20300	100RB#0	19.78	17.48	30.00	PASS
-------	-------	-------	-------	---------	-------	-------	-------	------

Remark:

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

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

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

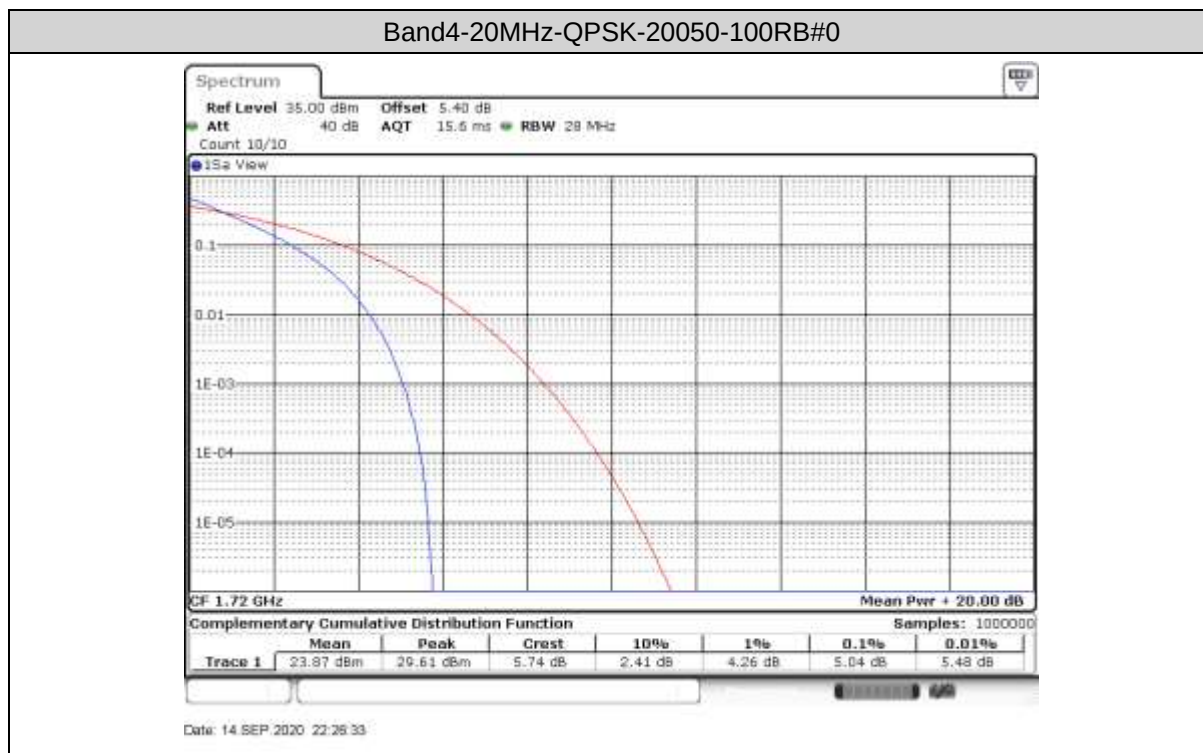
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.04	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.13	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.13	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.86	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.88	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.29	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.17	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.23	13	PASS

2.2 Test Plots

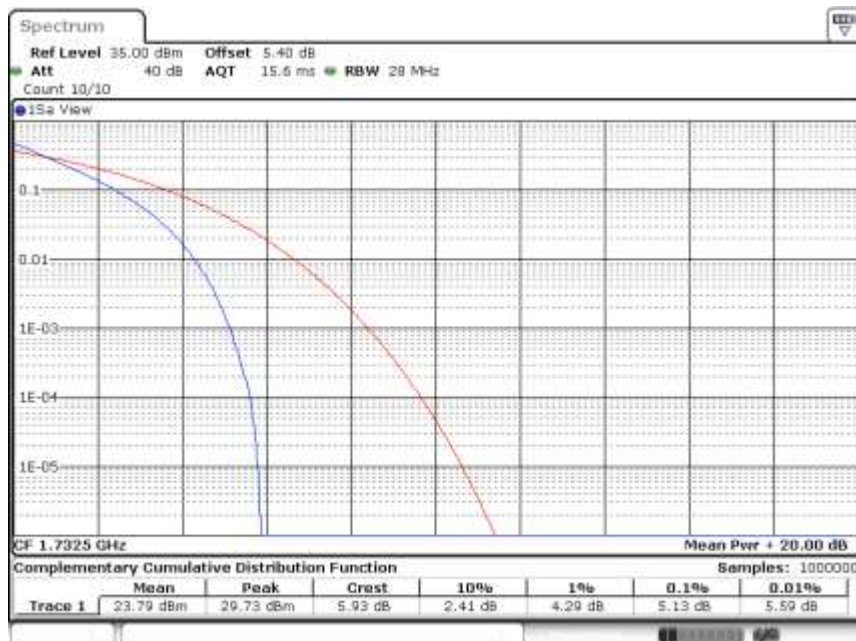


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

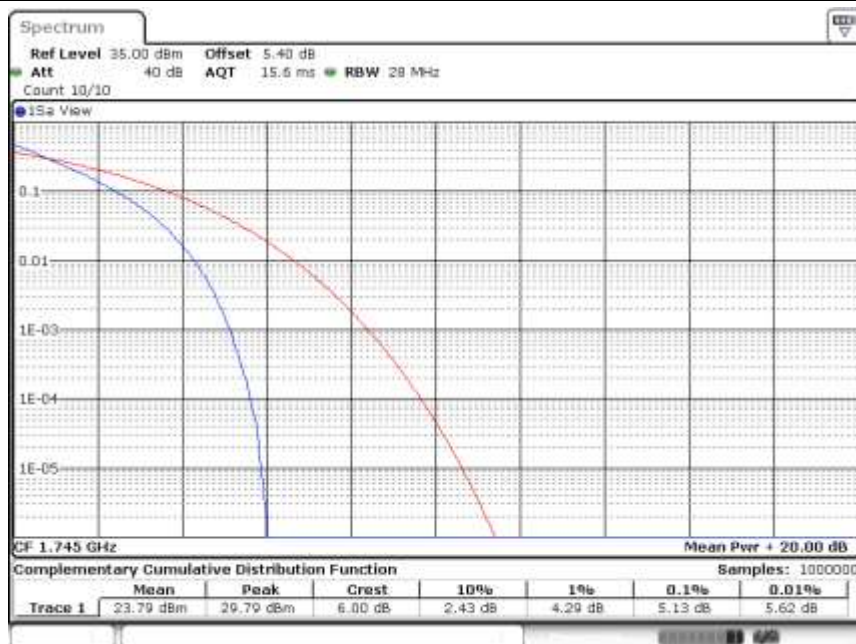
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP 2020 22:27:02

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



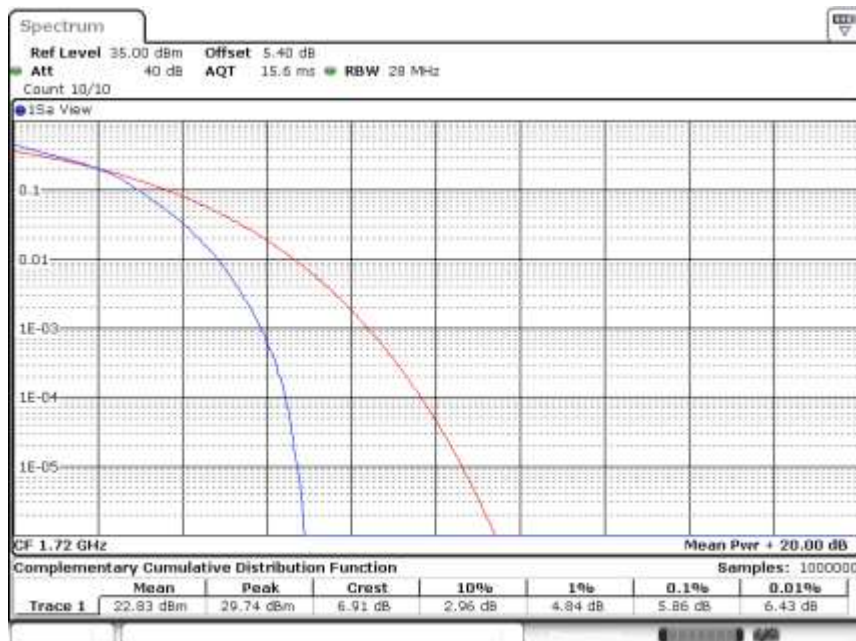
Date: 14 SEP 2020 22:27:31



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

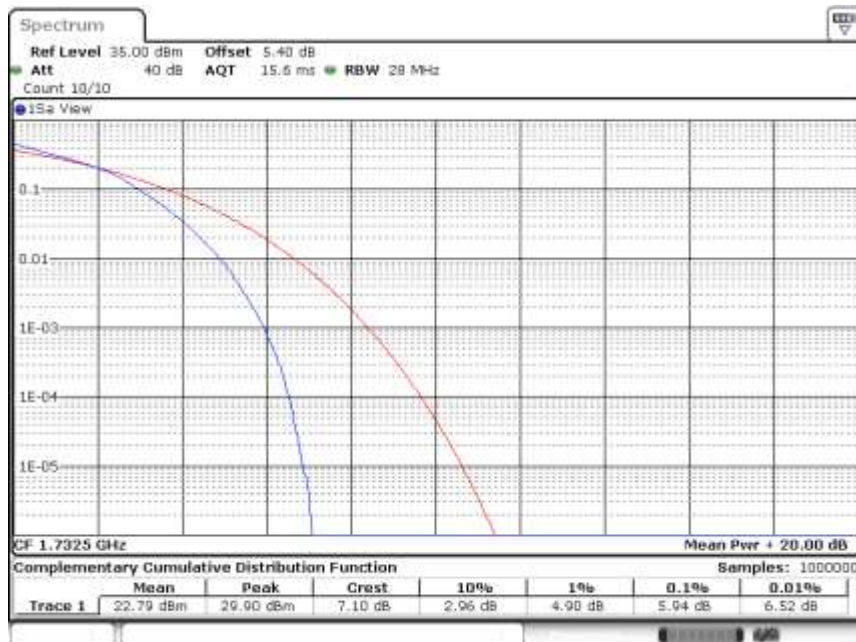
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-20050-100RB#0



Date: 14 SEP 2020 22:28:47

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



Date: 14 SEP 2020 22:27:16



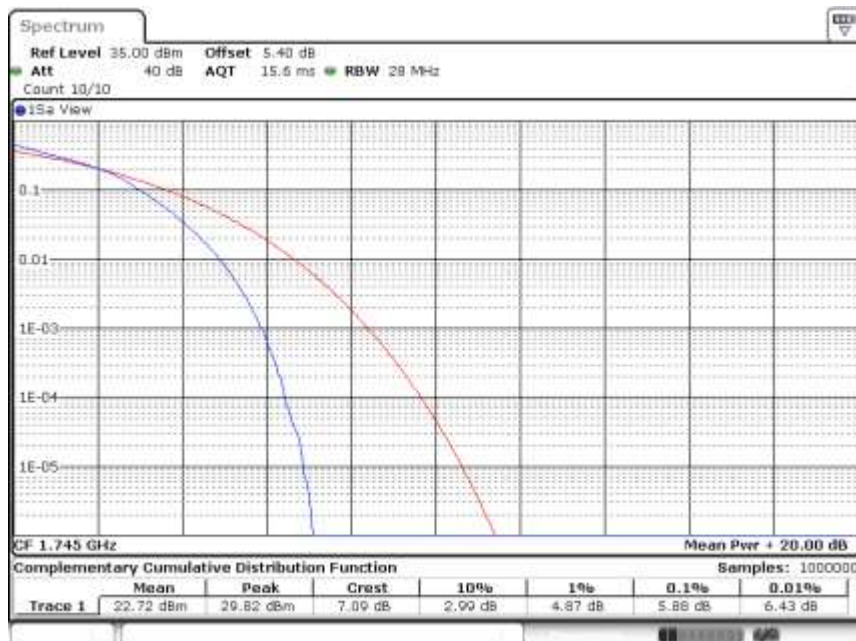
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 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

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



Date: 14 SEP 2020 22:27:45

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



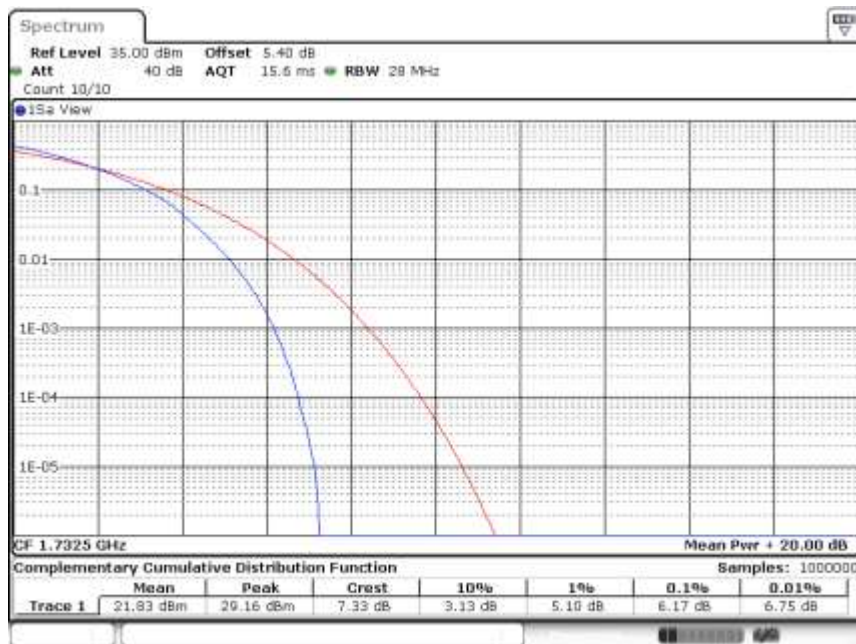
Date: 14 SEP 2020 23:57:05



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

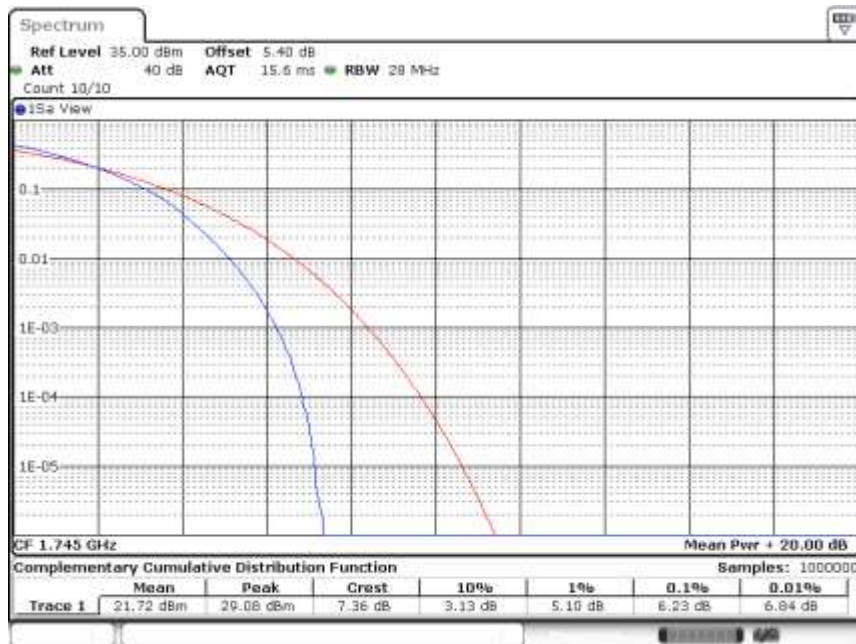
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP 2020 23:57:20

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



Date: 14 SEP 2020 23:57:34



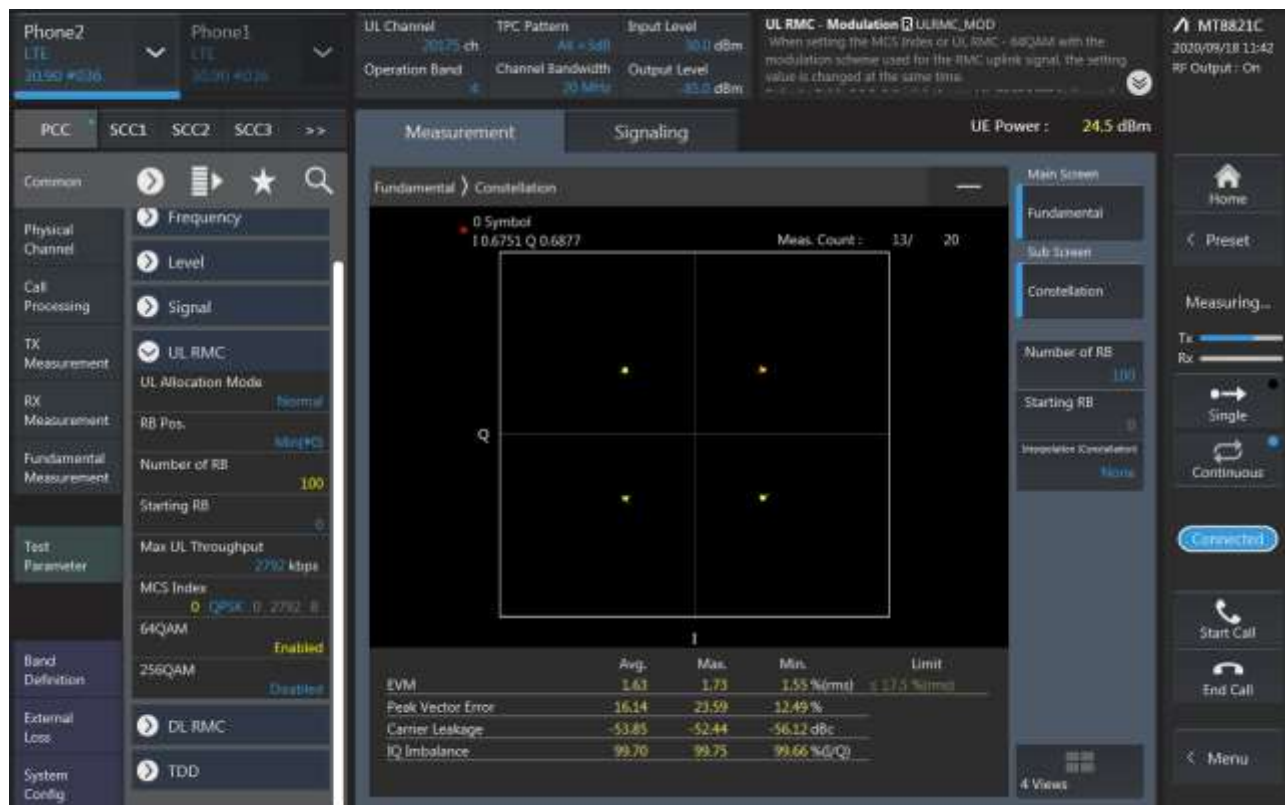
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 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

3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



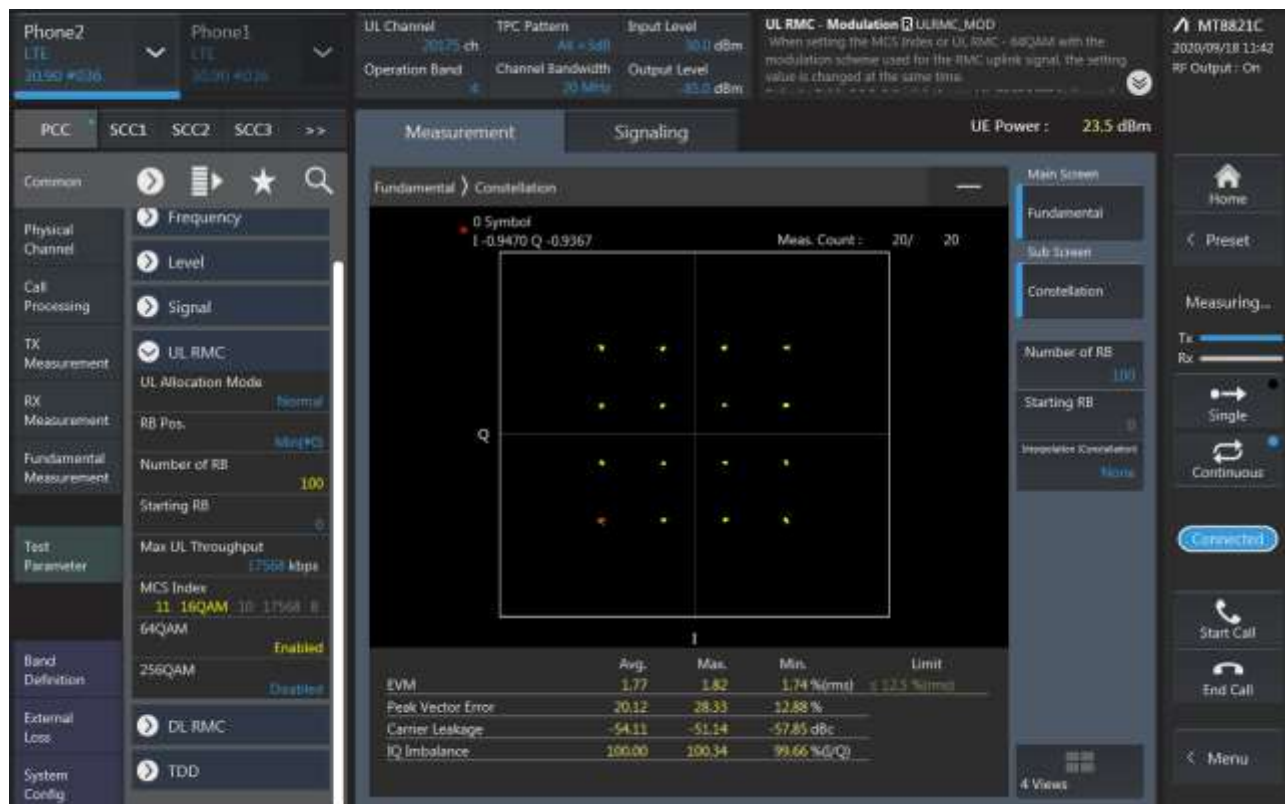
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH



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

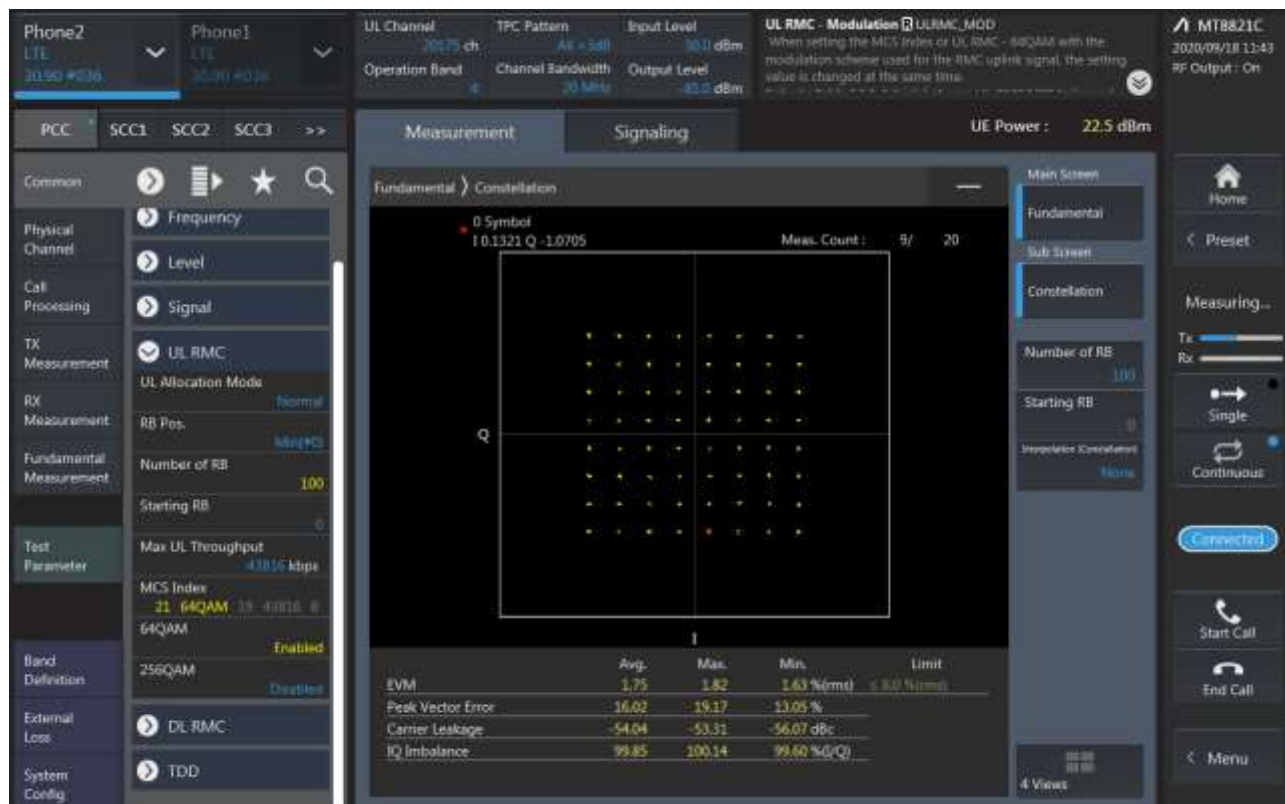
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

3.2 Test Mode = LTE /TM3 20MHz

3.3.1 Test Channel = MCH



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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



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	1.093	1.305	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.093	1.280	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.093	1.290	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.093	1.285	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.083	1.300	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.285	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.093	1.285	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.098	1.300	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.093	1.285	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.696	2.950	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.686	2.950	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	2.950	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.686	2.940	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.676	2.940	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.676	2.930	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.686	2.940	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.696	2.940	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.686	2.940	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.870	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.870	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.870	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.920	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.900	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.920	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.870	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.860	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.870	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.952	9.700	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.952	9.633	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.952	9.667	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.918	9.700	PASS



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

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

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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	16QAM	20175	50RB#0	8.918	9.667	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.918	9.700	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.918	9.633	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.918	9.667	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.918	9.600	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.527	14.750	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.577	17.000	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.478	14.750	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.478	14.750	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.478	14.800	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.478	14.750	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.478	14.900	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.478	14.800	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.478	14.750	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.903	19.467	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.837	19.400	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.903	19.533	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.903	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.903	19.400	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.903	19.467	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.903	19.400	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.837	19.400	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.903	19.400	PASS



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

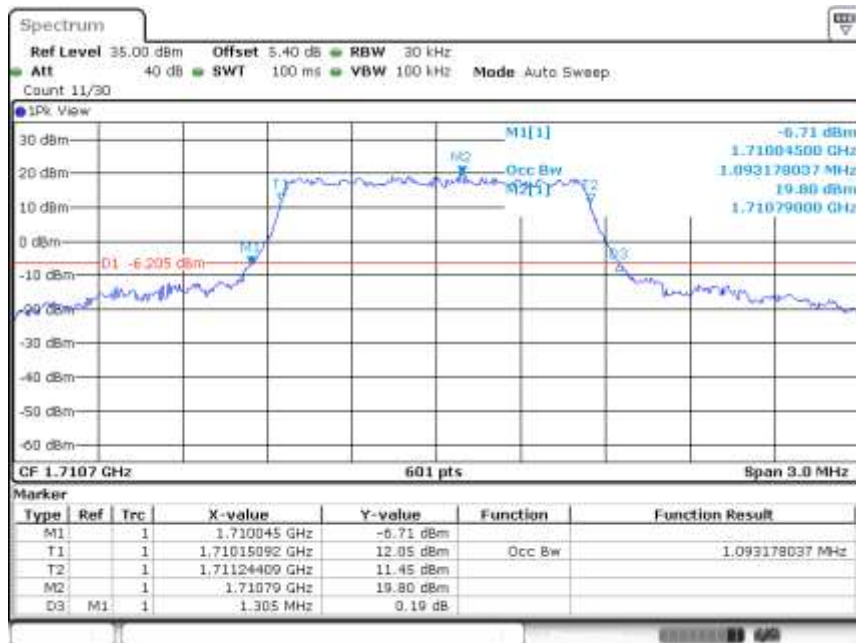
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

4.2 Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.093



Date: 14 SEP 2020 21:52:41

Band4-1.4MHz-QPSK-20175-6RB#0-1.093



Date: 14 SEP 2020 21:53:13

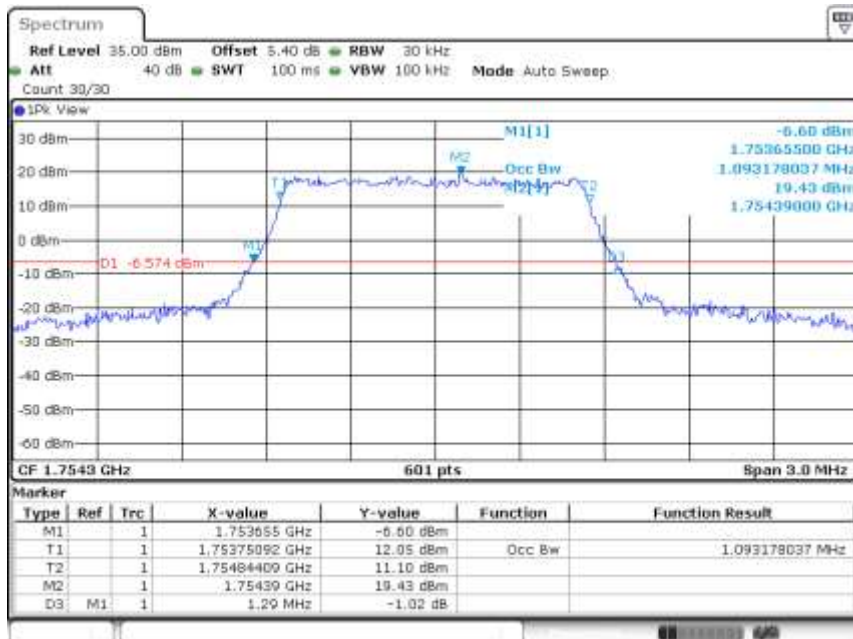


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

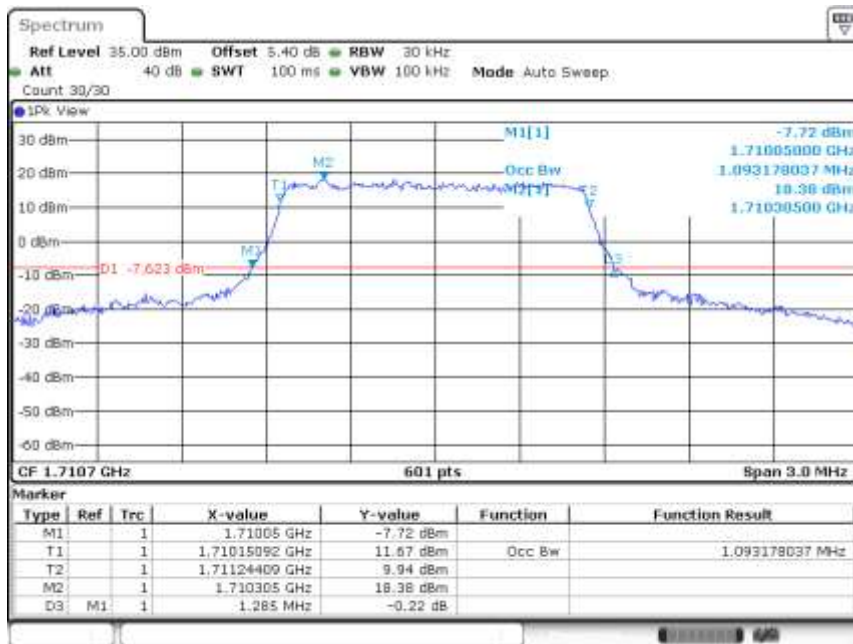
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-1.4MHz-QPSK-20393-6RB#0-1.093



Date: 14 SEP 2020 21:53:44

Band4-1.4MHz-16QAM-19957-6RB#0-1.093



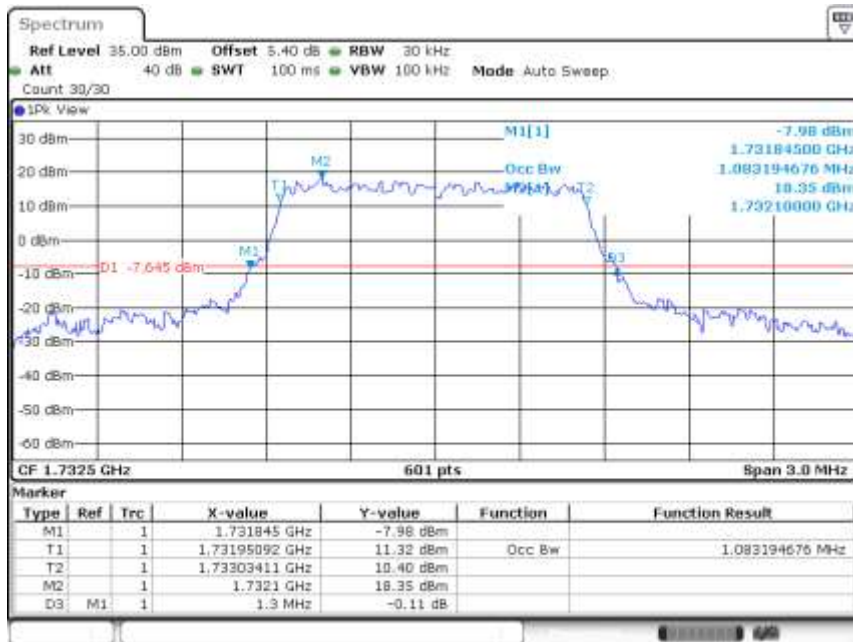
Date: 14 SEP 2020 21:52:57



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

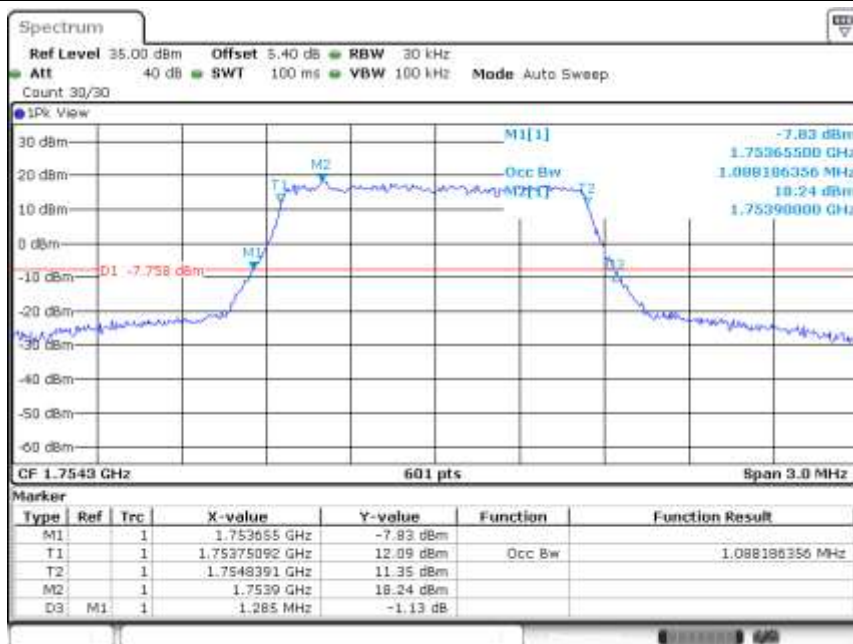
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn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

Band4-1.4MHz-16QAM-20175-6RB#0-1.083



Date: 14 SEP 2020 21:53:28

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



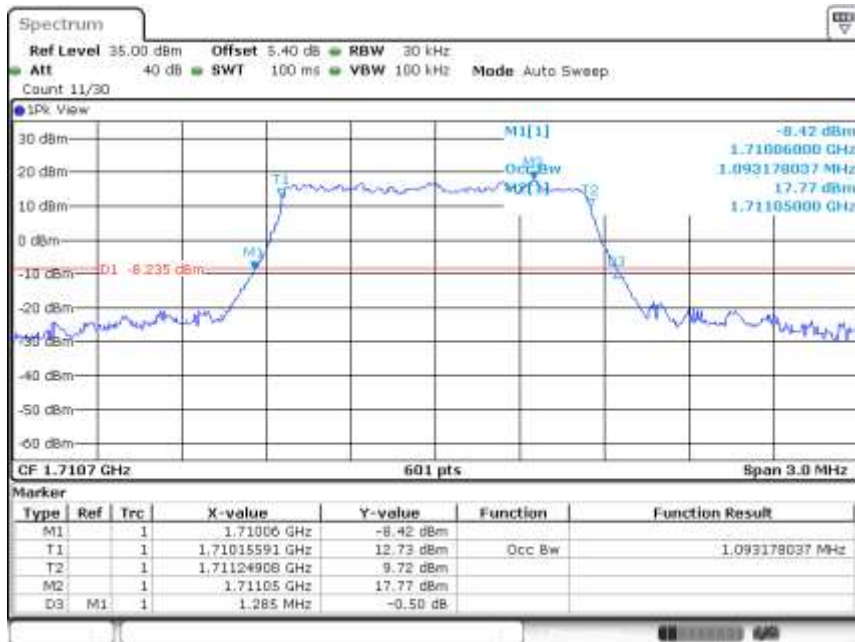
Date: 14 SEP 2020 21:54:00



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

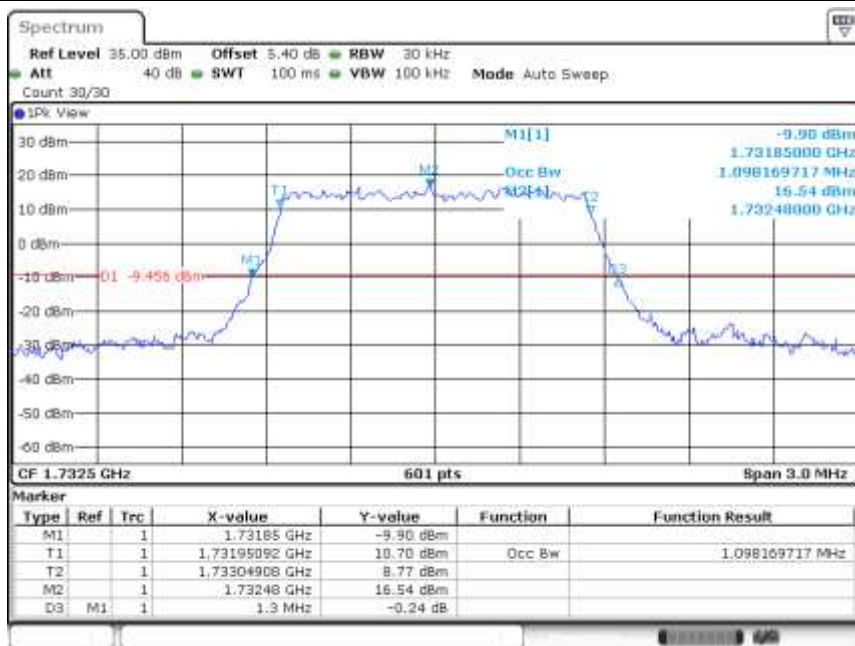
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-19957-6RB#0-1.093



Date: 14 SEP 2020 23:38:58

Band4-1.4MHz-64QAM-20175-6RB#0-1.098



Date: 14 SEP 2020 23:39:14

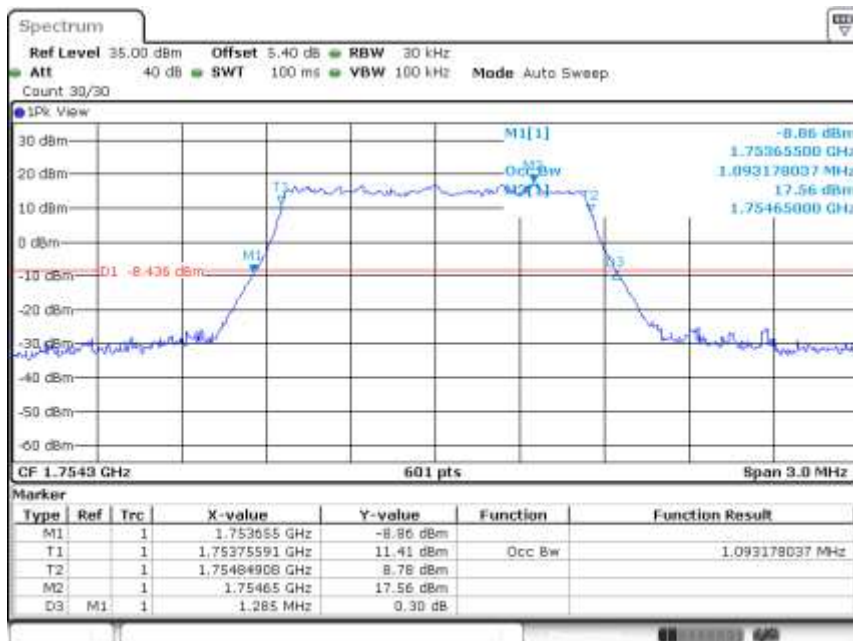


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

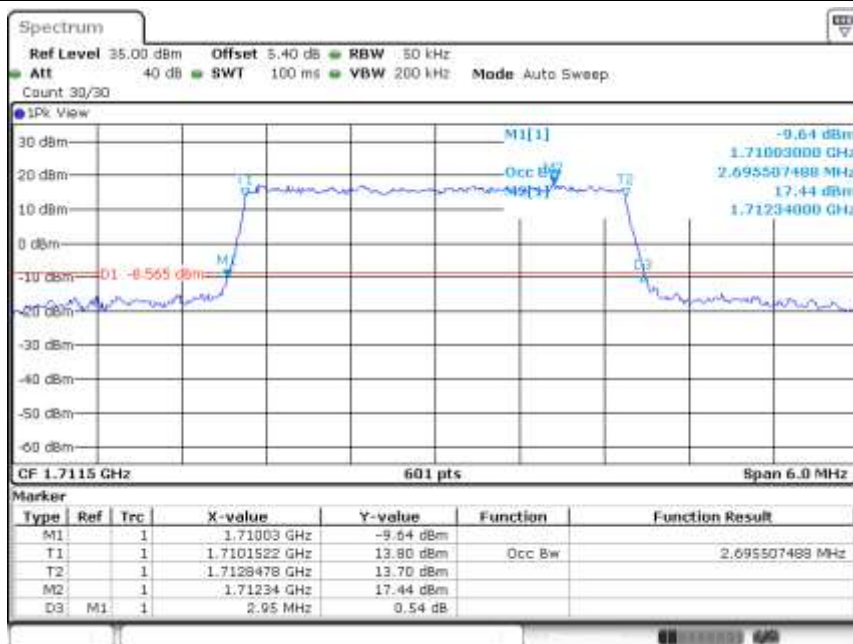
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-1.4MHz-64QAM-20393-6RB#0-1.093



Date: 14 SEP 2020 23:39:30

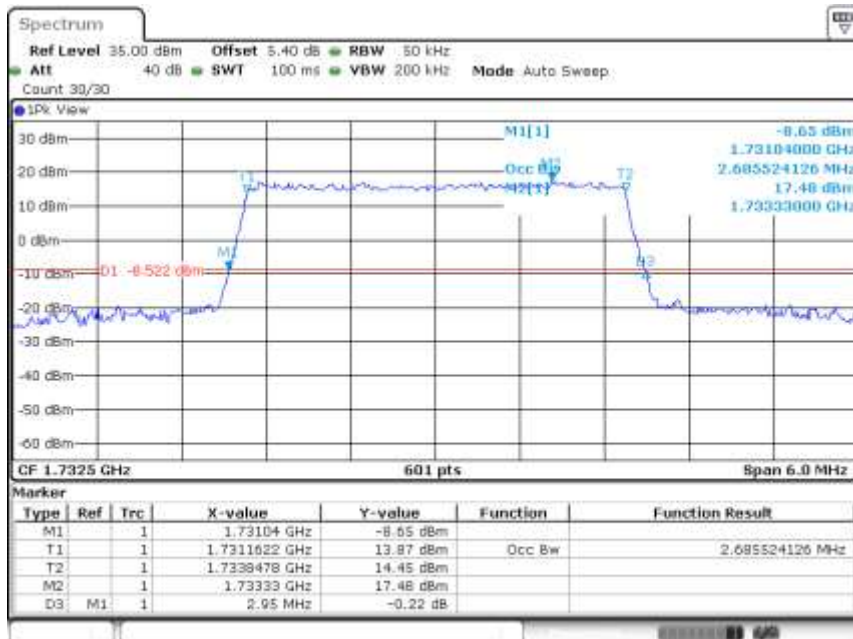
Band4-3MHz-QPSK-19965-15RB#0-2.696



Date: 14 SEP 2020 21:54:21

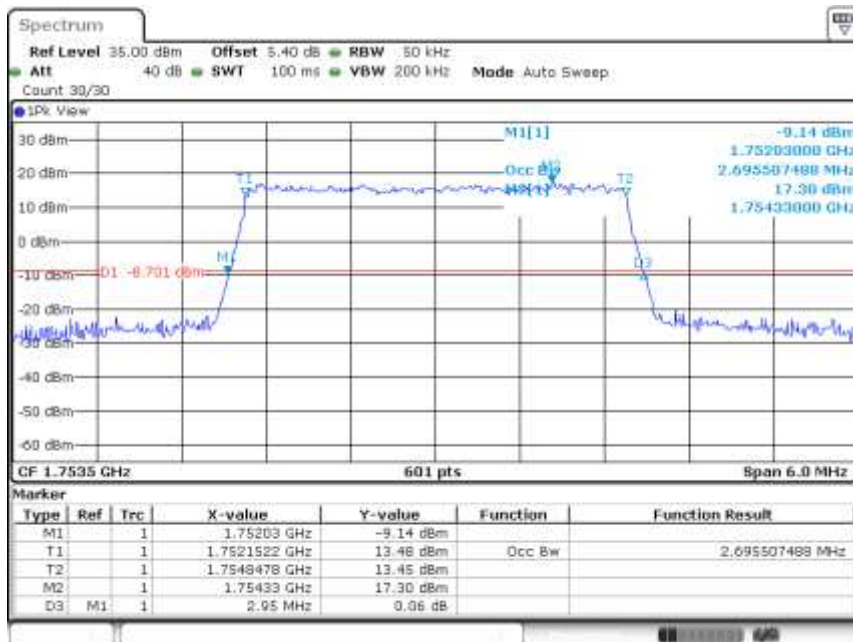


Band4-3MHz-QPSK-20175-15RB#0-2.686



Date: 14 SEP 2020 21:54:53

Band4-3MHz-QPSK-20385-15RB#0-2.696



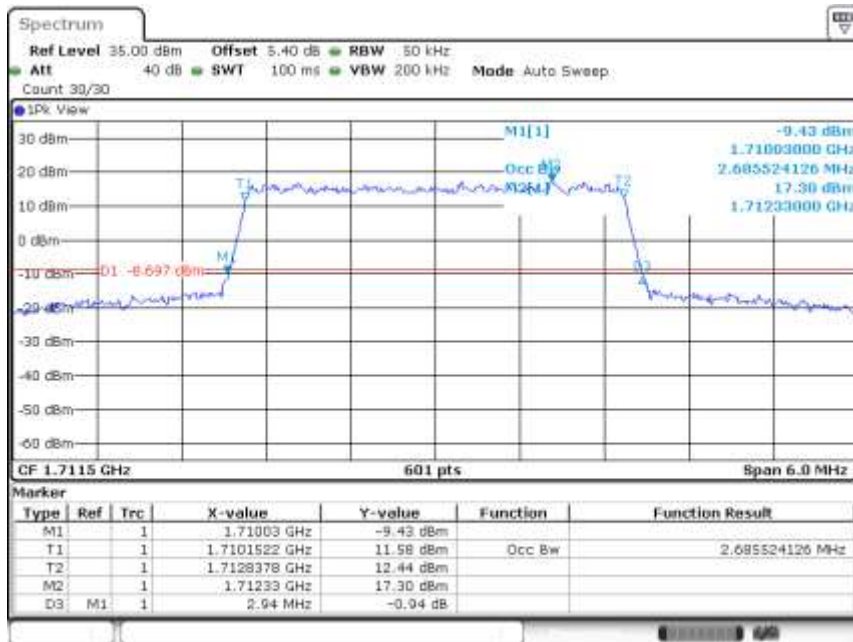
Date: 14 SEP 2020 21:55:25



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

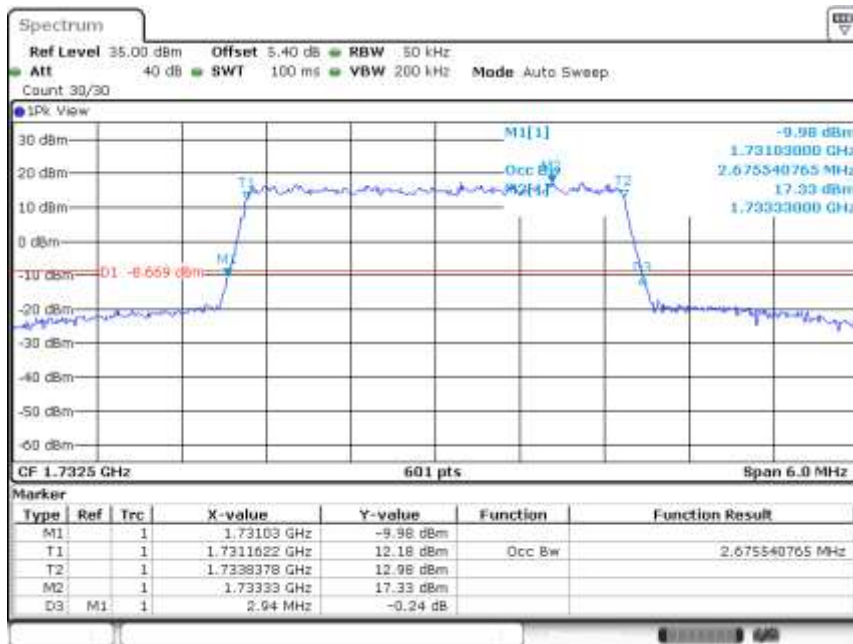
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn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

Band4-3MHz-16QAM-19965-15RB#0-2.686



Date: 14 SEP 2020 21:54:37

Band4-3MHz-16QAM-20175-15RB#0-2.676



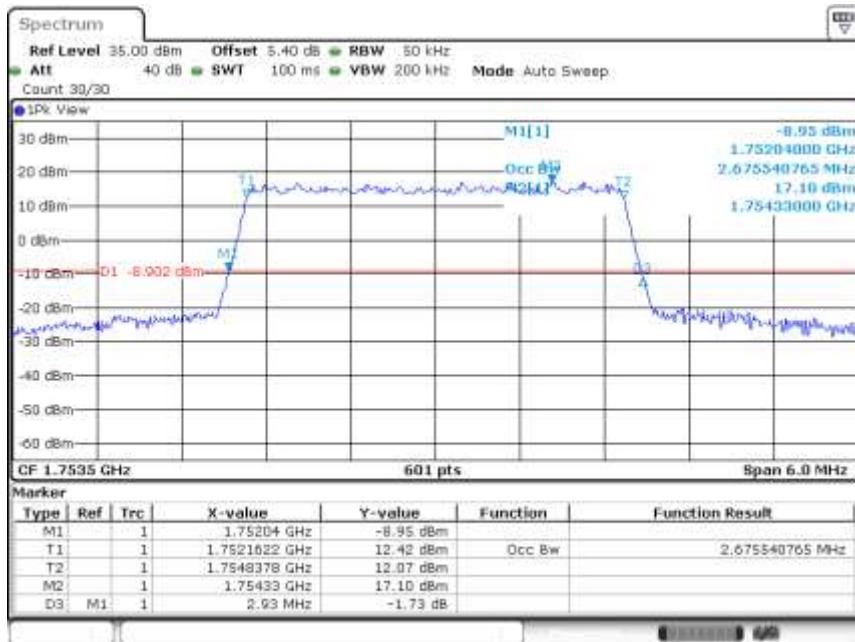
Date: 14 SEP 2020 21:55:09



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

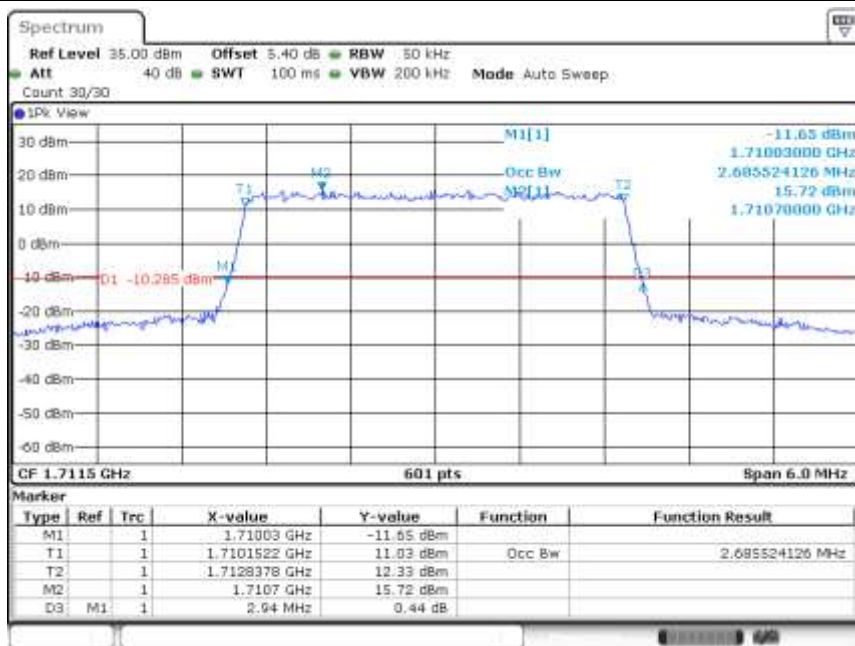
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-16QAM-20385-15RB#0-2.676



Date: 14 SEP 2020 21:55:41

Band4-3MHz-64QAM-19965-15RB#0-2.686



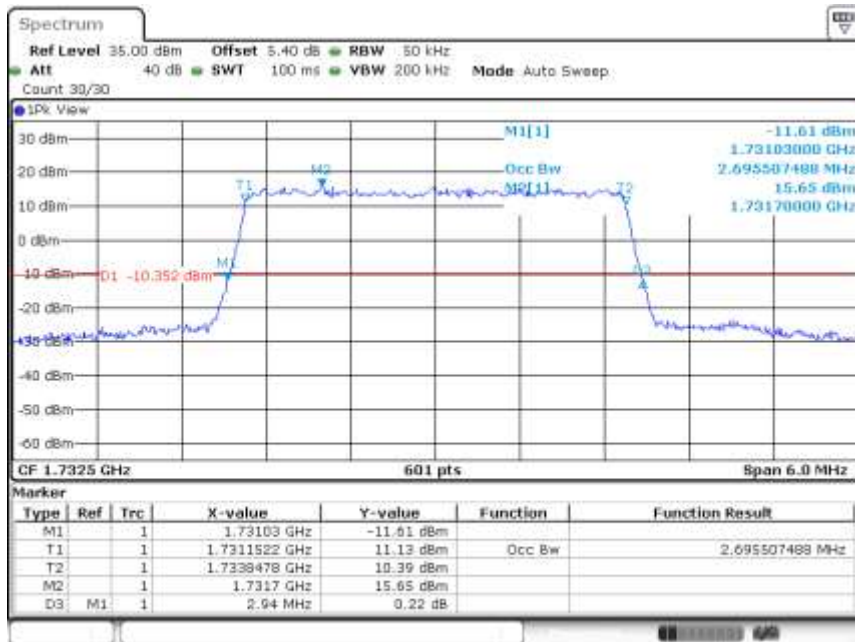
Date: 14 SEP 2020 23:39:51



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

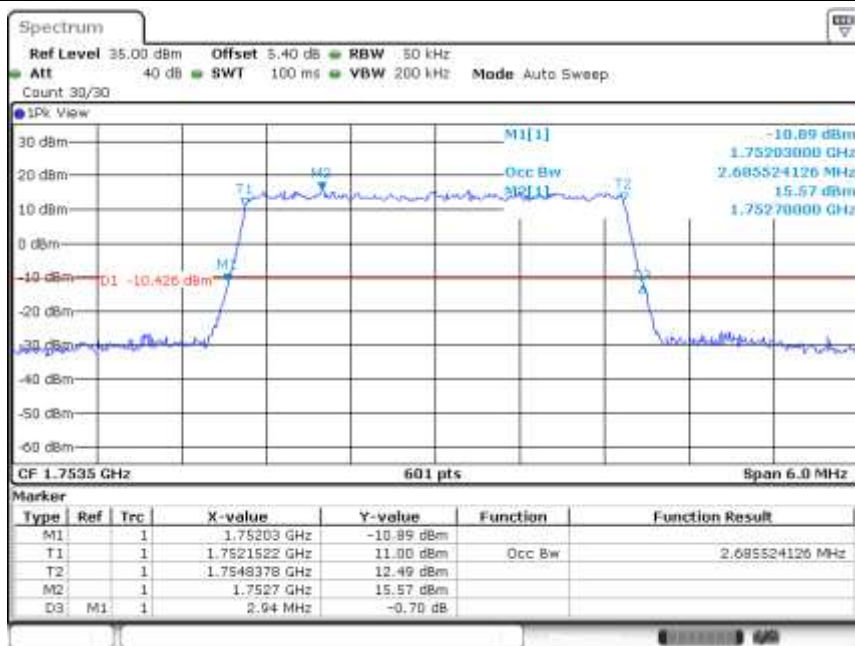
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-20175-15RB#0-2.696



Date: 14 SEP 2020 23:40:07

Band4-3MHz-64QAM-20385-15RB#0-2.686



Date: 14 SEP 2020 23:40:23

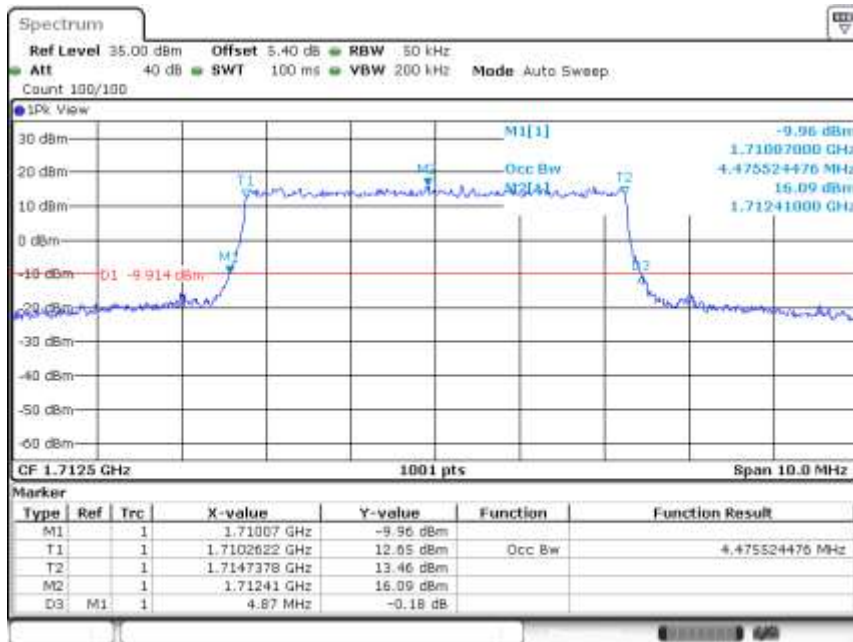


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

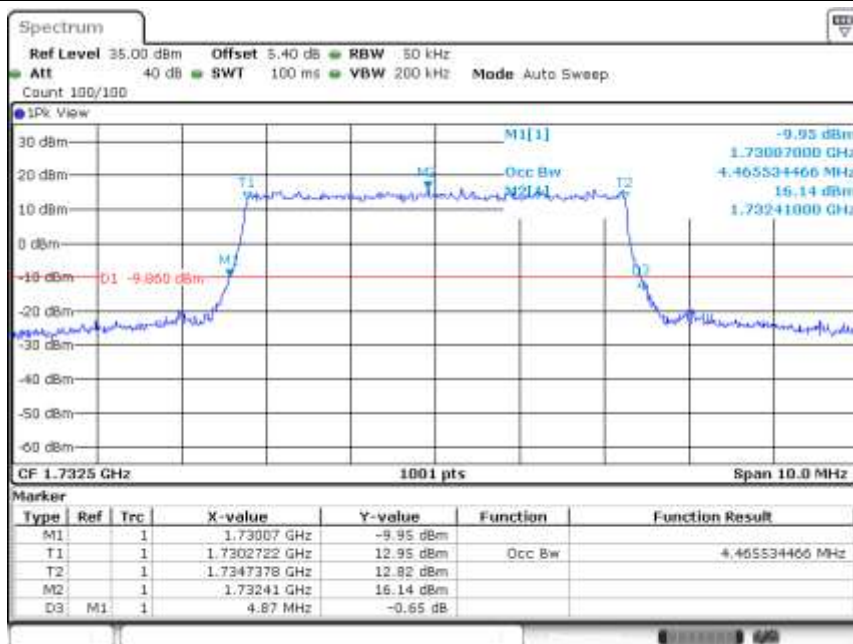
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP 2020 21:56:09

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



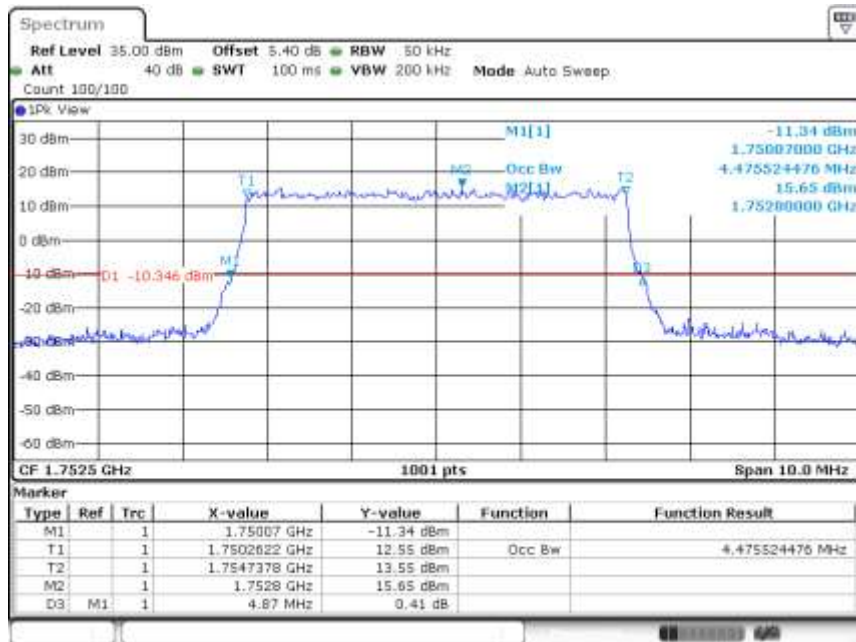
Date: 14 SEP 2020 21:56:55



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

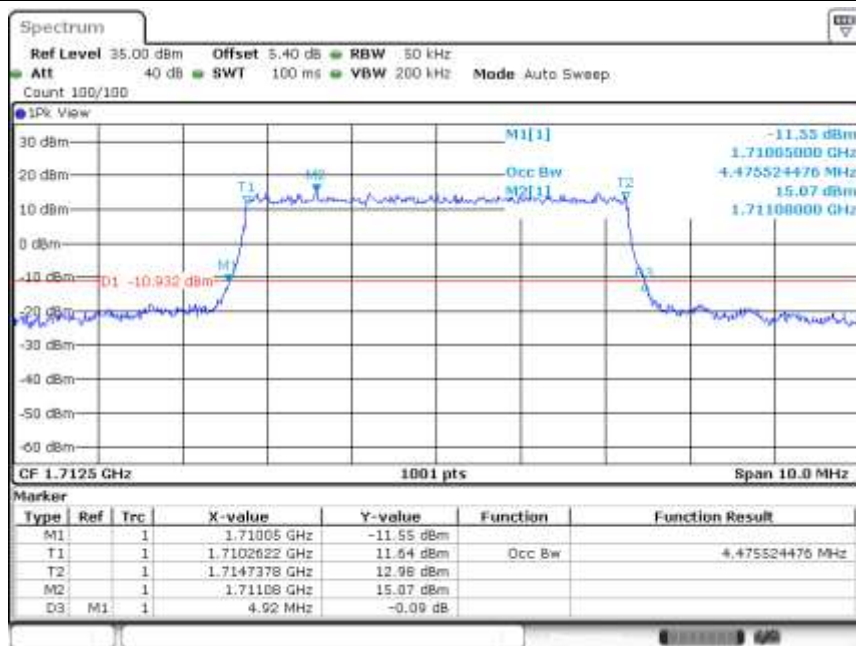
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-QPSK-20375-25RB#0-4.476



Date: 14 SEP 2020 21:57:41

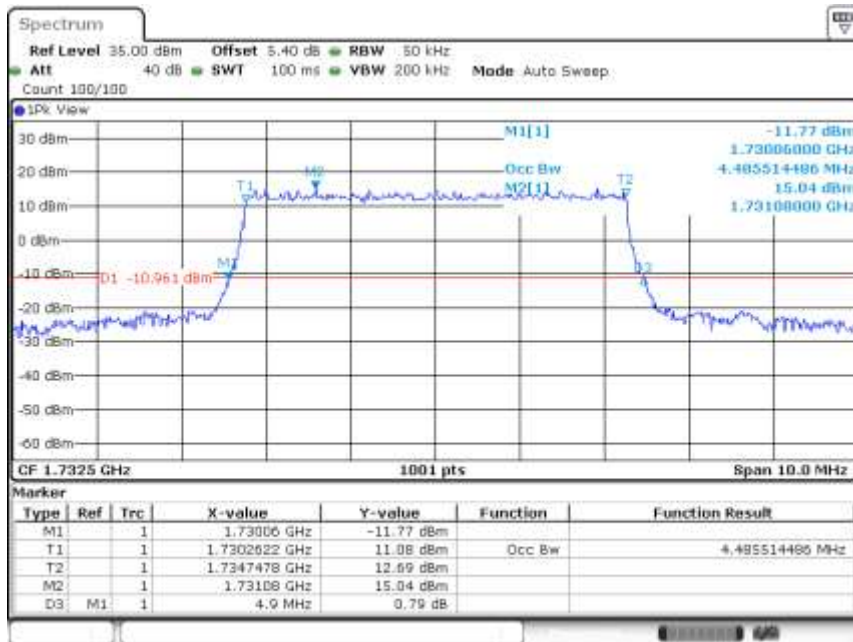
Band4-5MHz-16QAM-19975-25RB#0-4.476



Date: 14 SEP 2020 21:58:32

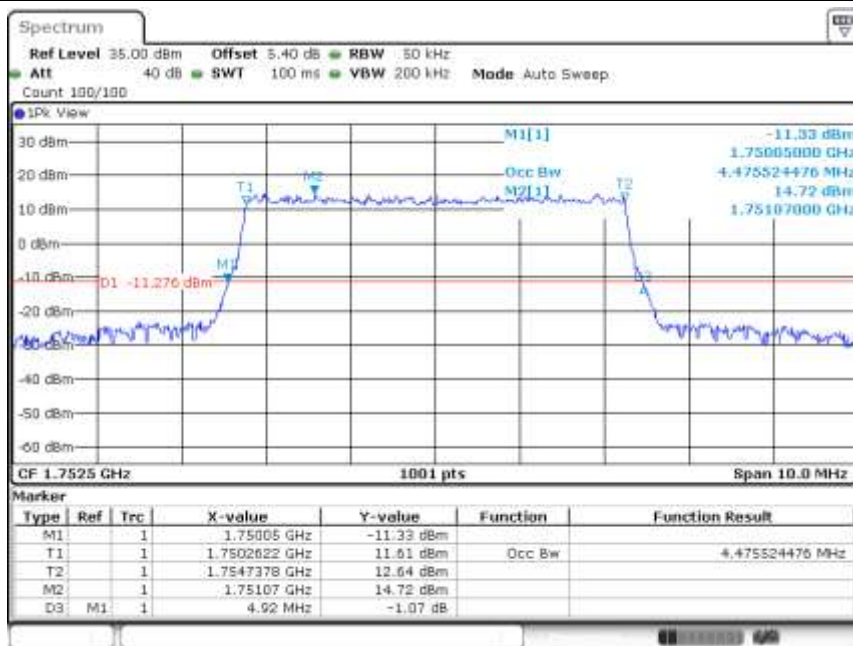


Band4-5MHz-16QAM-20175-25RB#0-4.486



Date: 14 SEP 2020 21:57:18

Band4-5MHz-16QAM-20375-25RB#0-4.476



Date: 14 SEP 2020 21:58:03

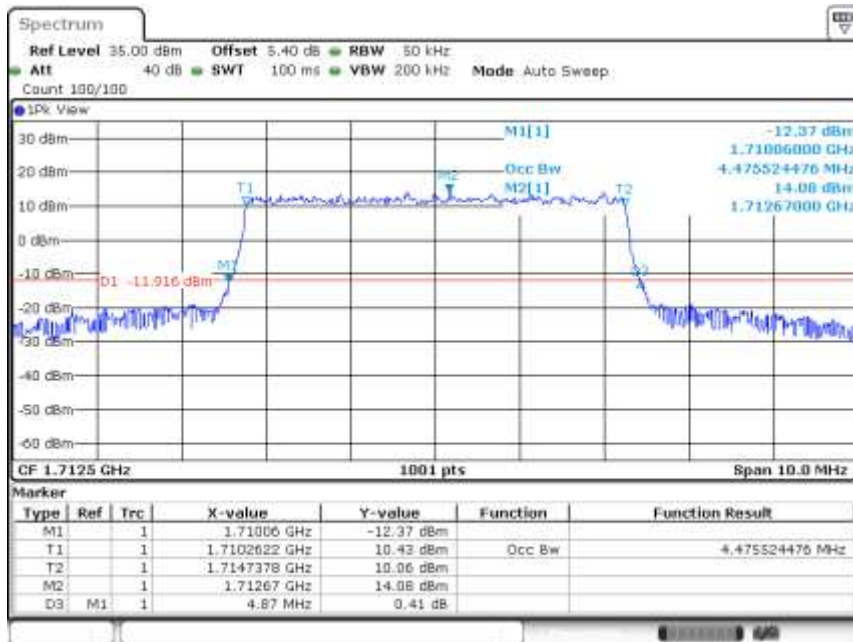


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

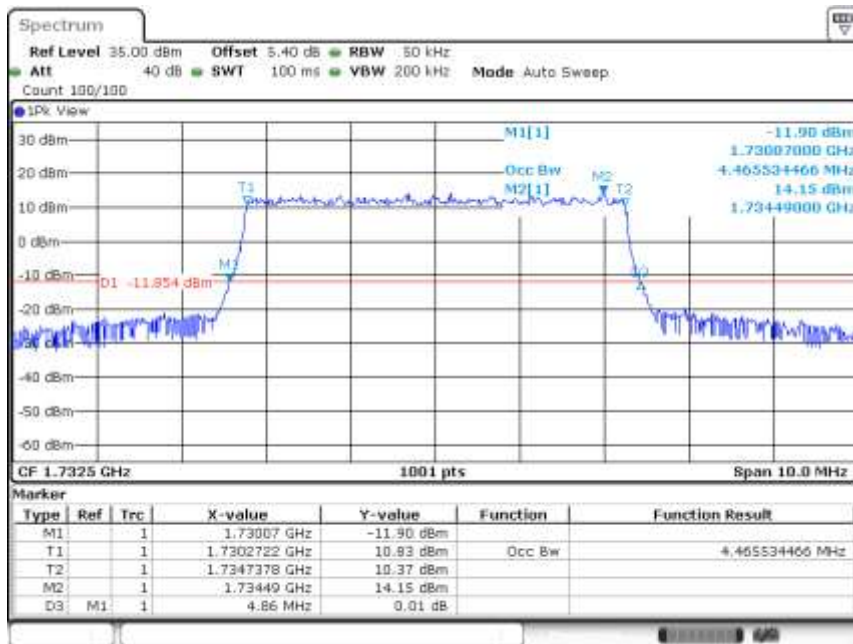
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-5MHz-64QAM-19975-25RB#0-4.476



Date: 14 SEP 2020 23:40:52

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



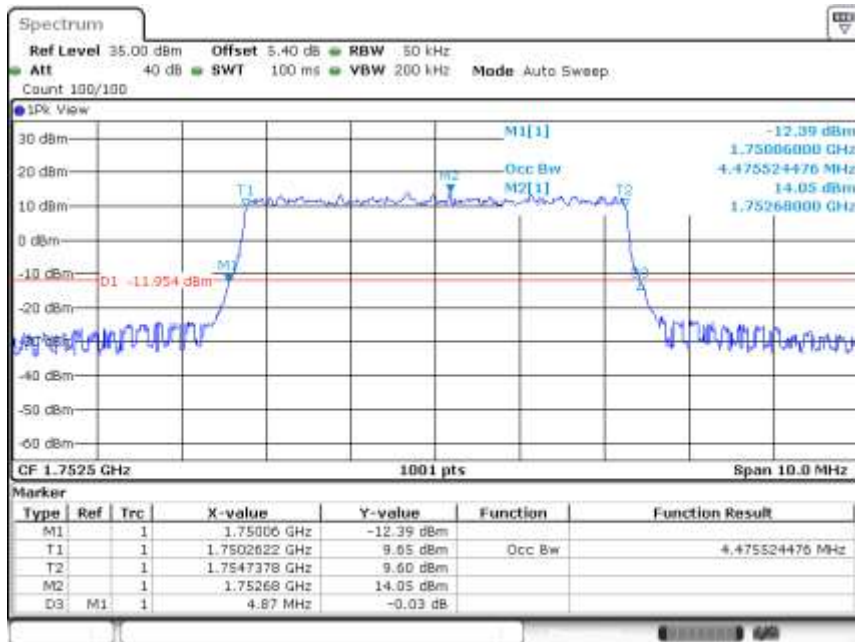
Date: 14 SEP 2020 23:41:15



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

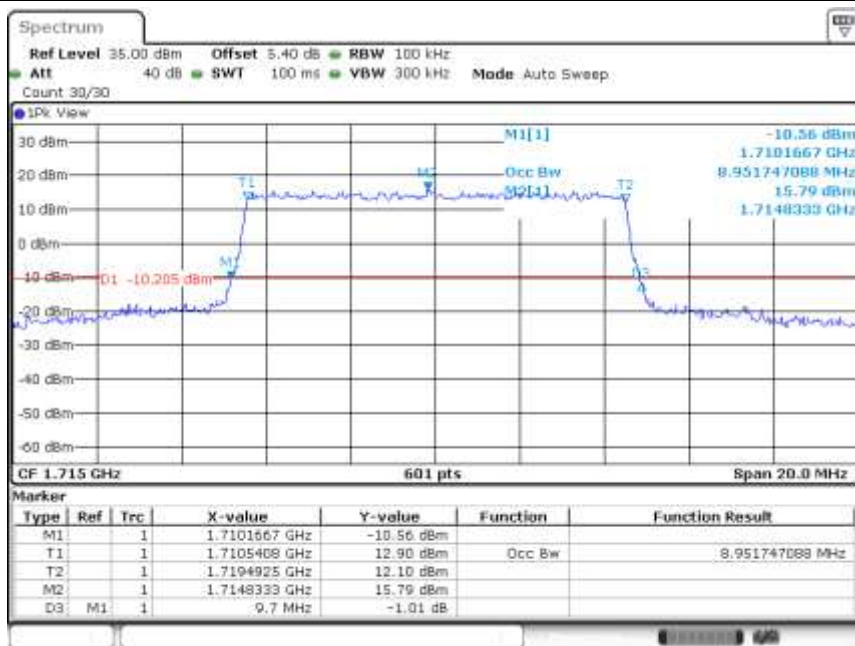
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn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

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



Date: 14 SEP 2020 23:41:38

Band4-10MHz-QPSK-20000-50RB#0-8.952



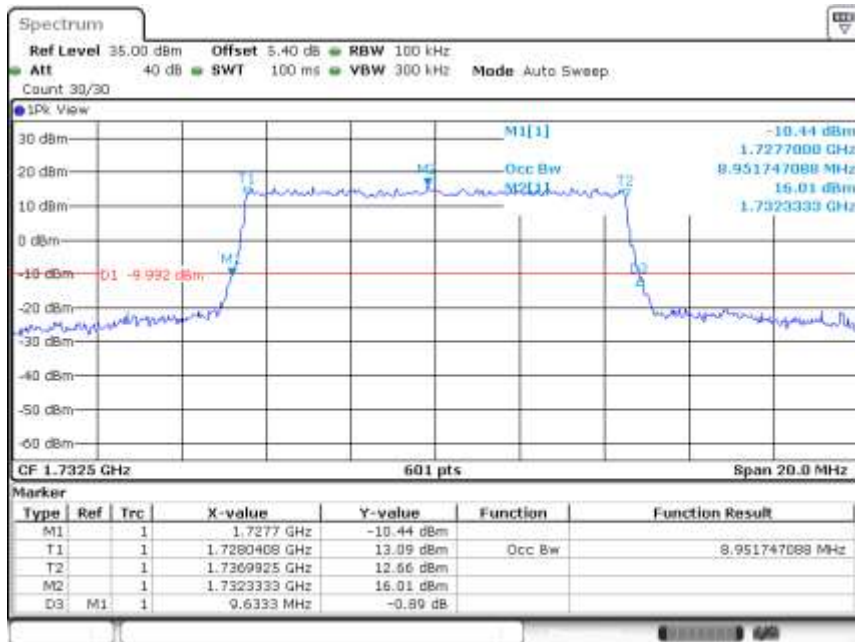
Date: 14 SEP 2020 21:58:25



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

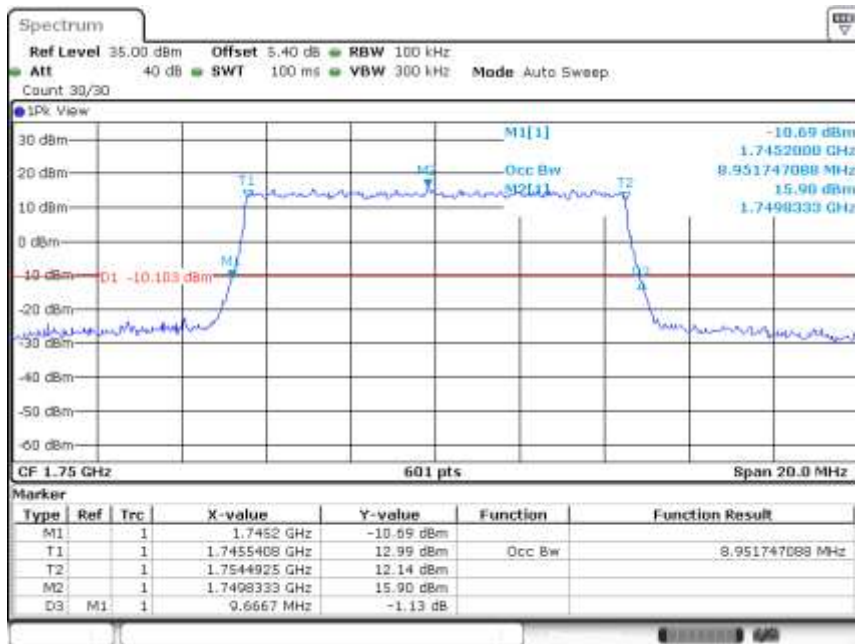
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn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

Band4-10MHz-QPSK-20175-50RB#0-8.952



Date: 14 SEP 2020 21:58:57

Band4-10MHz-QPSK-20350-50RB#0-8.952



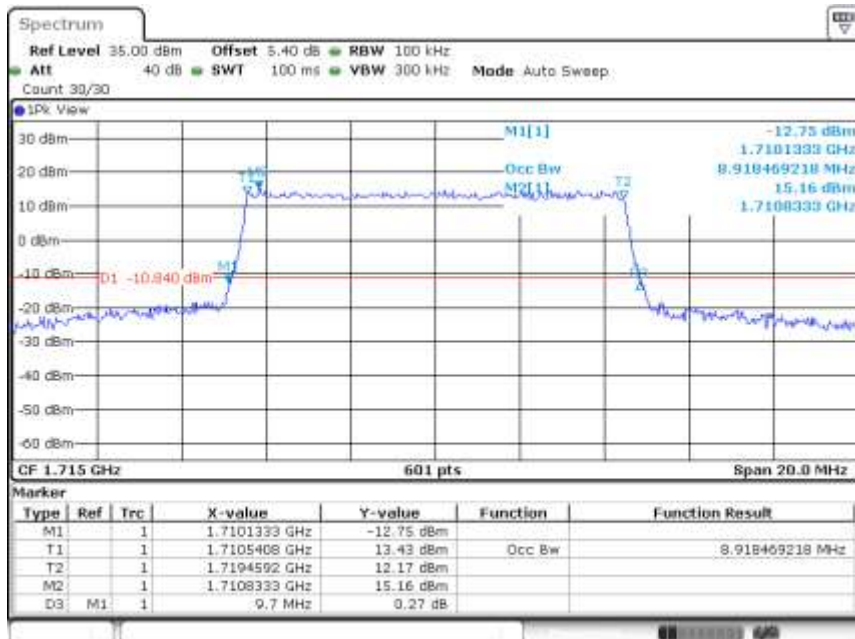
Date: 14 SEP 2020 21:59:28



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

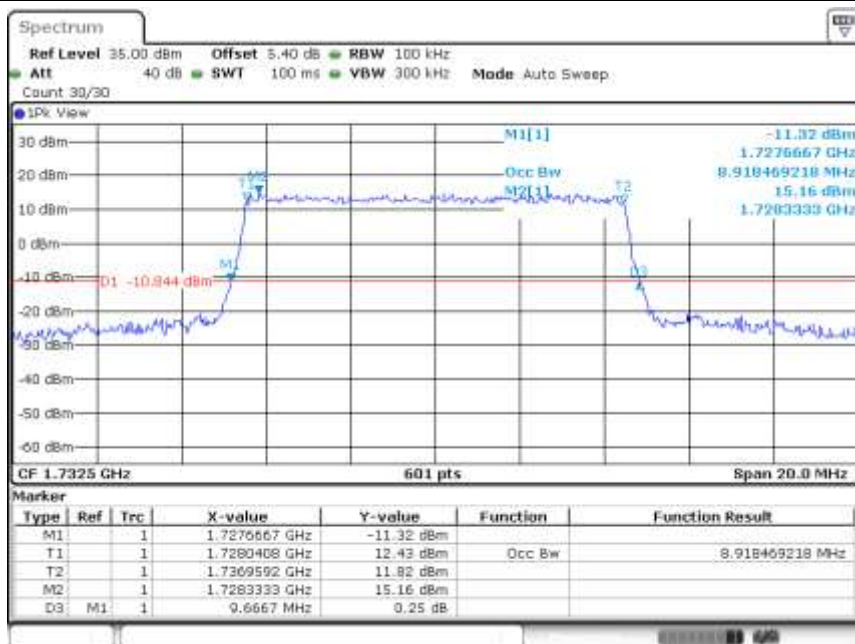
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-16QAM-20000-50RB#0-8.918



Date: 14 SEP 2020 21:58:41

Band4-10MHz-16QAM-20175-50RB#0-8.918



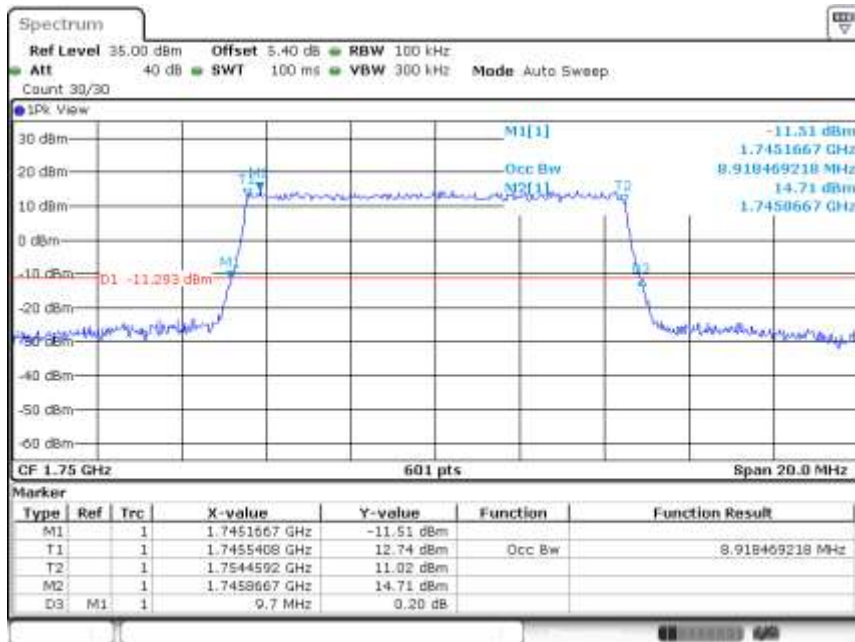
Date: 14 SEP 2020 21:59:12



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

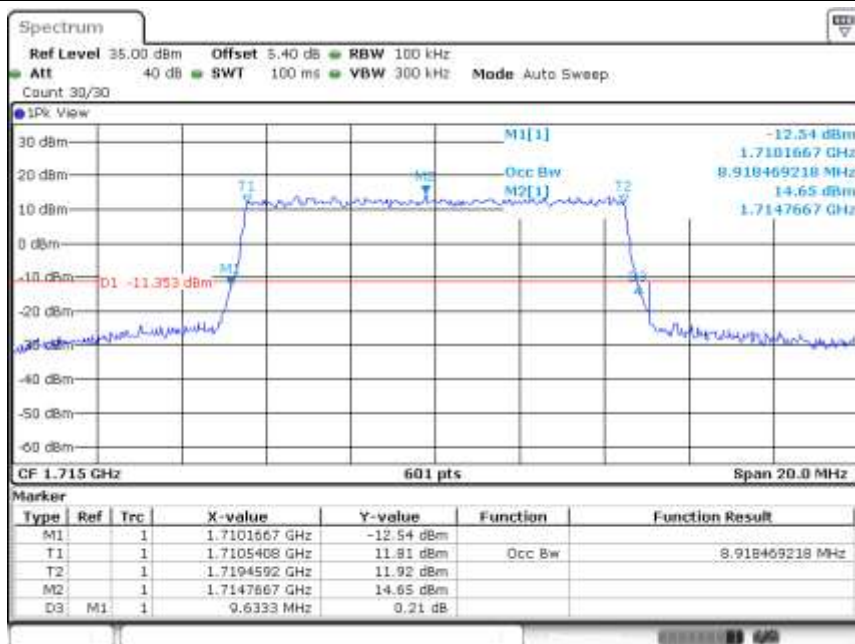
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-16QAM-20350-50RB#0-8.918



Date: 14 SEP 2020 21:59:44

Band4-10MHz-64QAM-20000-50RB#0-8.918



Date: 14 SEP 2020 23:41:59



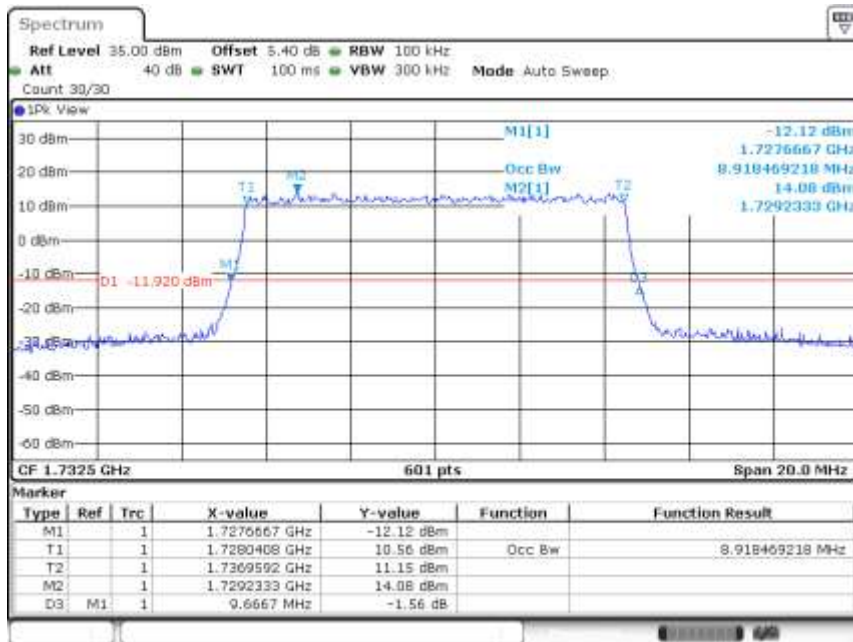
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

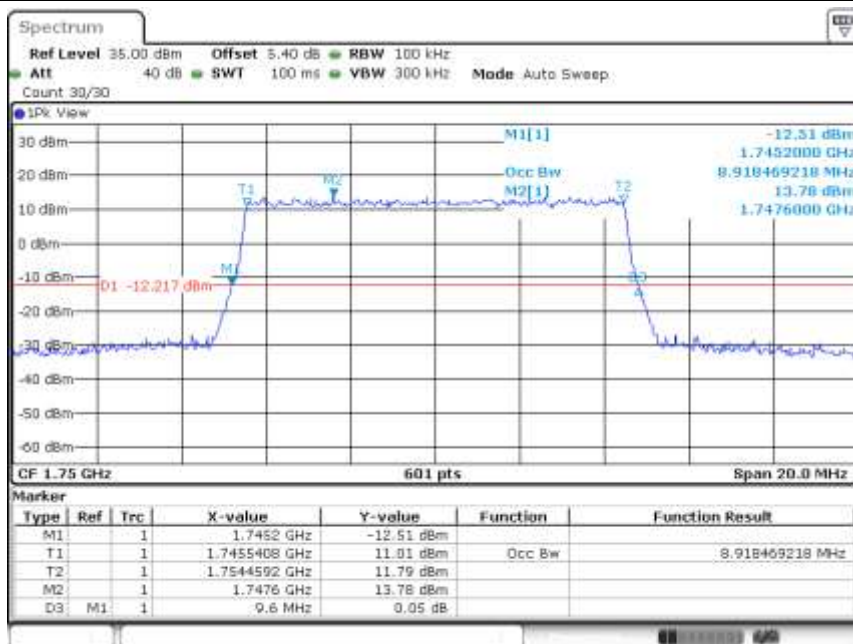
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-10MHz-64QAM-20175-50RB#0-8.918



Date: 14 SEP 2020 23:42:15

Band4-10MHz-64QAM-20350-50RB#0-8.918



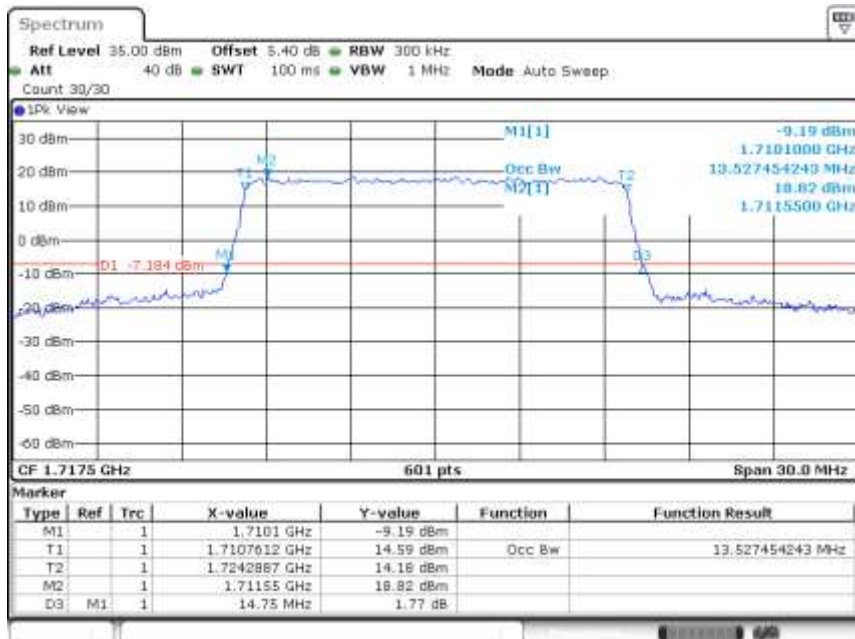
Date: 14 SEP 2020 23:42:31



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 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-20025-75RB#0-13.527



Date: 14 SEP 2020 22:00:05

Band4-15MHz-QPSK-20175-75RB#0-13.577



Date: 14 SEP 2020 22:00:37



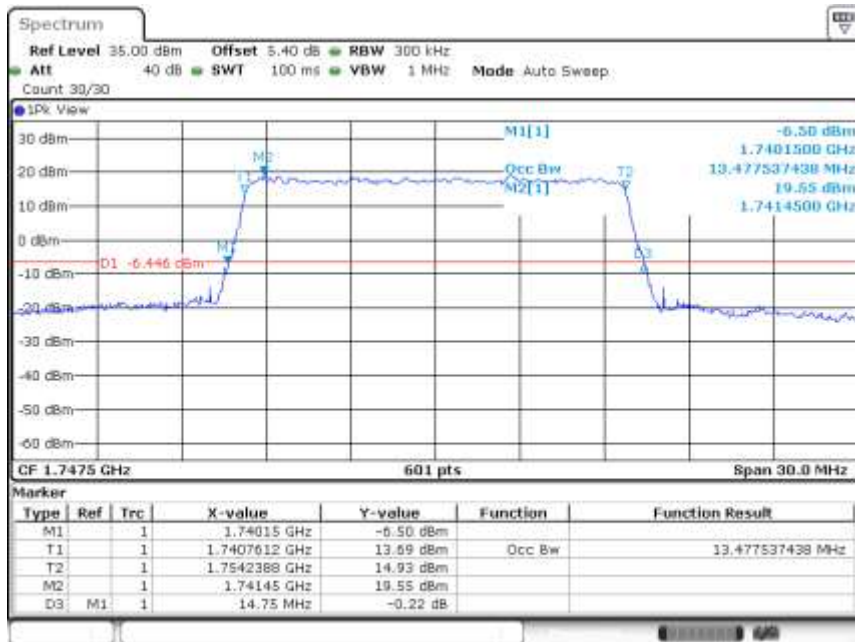
SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch

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

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

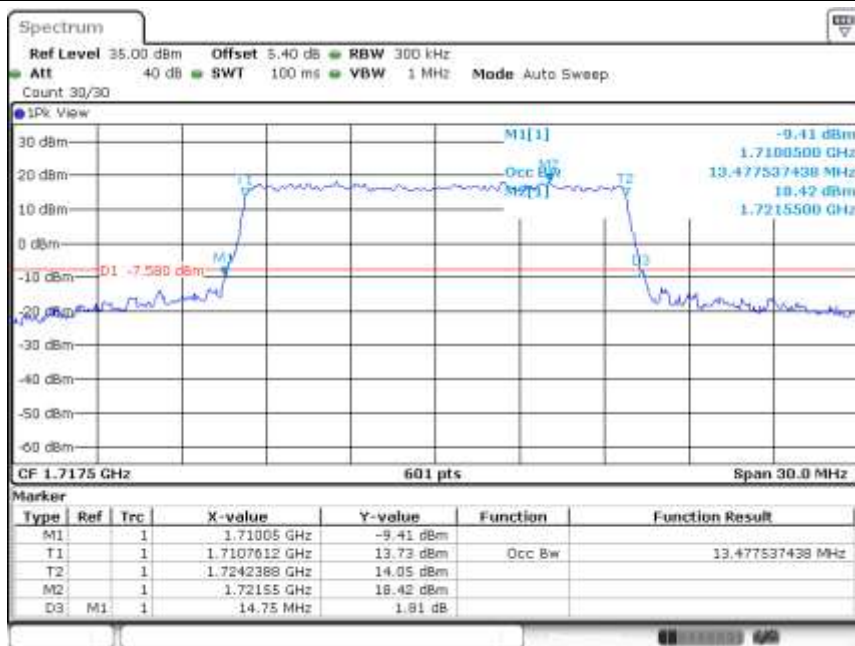
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-15MHz-QPSK-20325-75RB#0-13.478



Date: 14 SEP 2020 22:01:09

Band4-15MHz-16QAM-20025-75RB#0-13.478



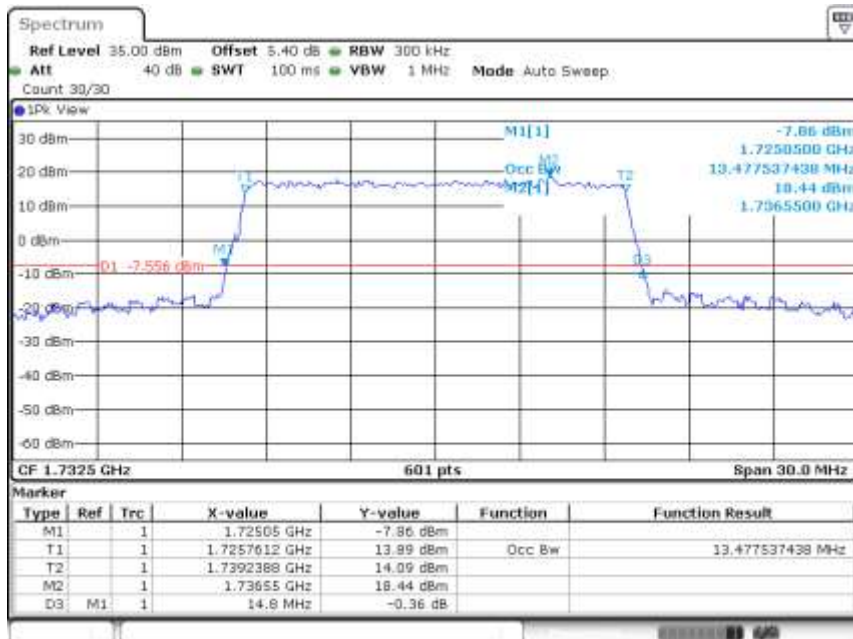
Date: 14 SEP 2020 22:00:21



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

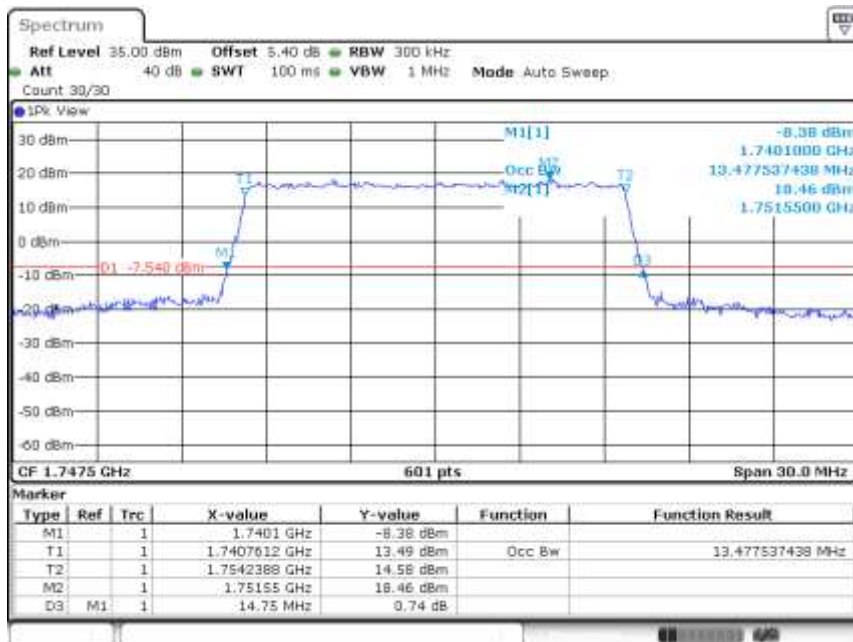
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-20175-75RB#0-13.478



Date: 14 SEP 2020 22:00:53

Band4-15MHz-16QAM-20325-75RB#0-13.478



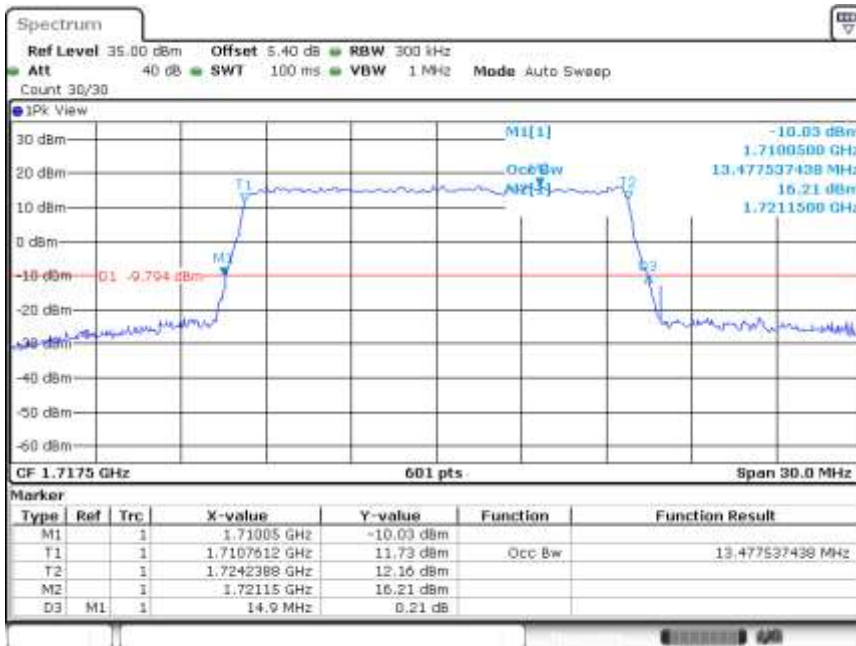
Date: 14 SEP 2020 22:01:25



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

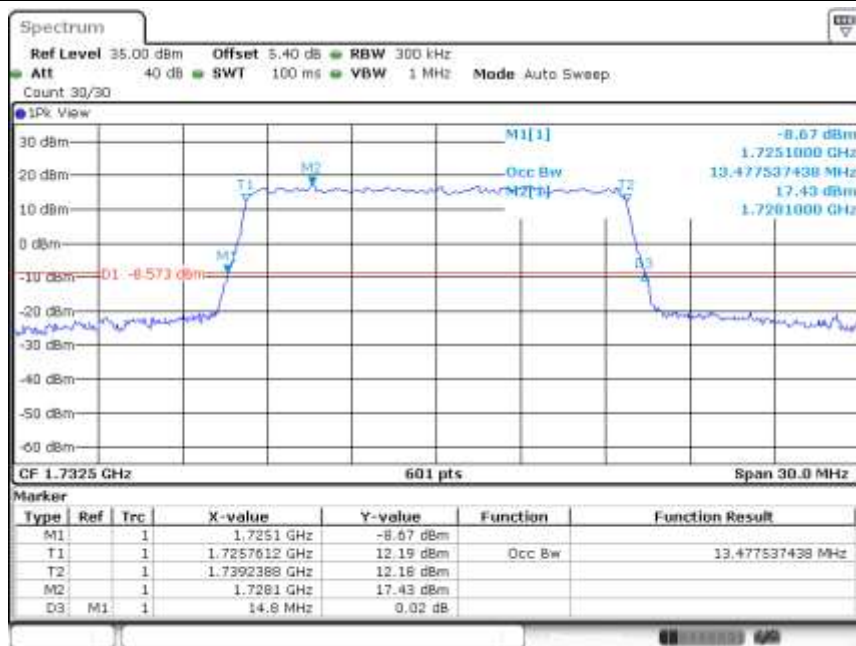
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-20025-75RB#0-13.478



Date: 12 OCT.2020 10:10:01

Band4-15MHz-64QAM-20175-75RB#0-13.478



Date: 14 SEP 2020 23:43:08

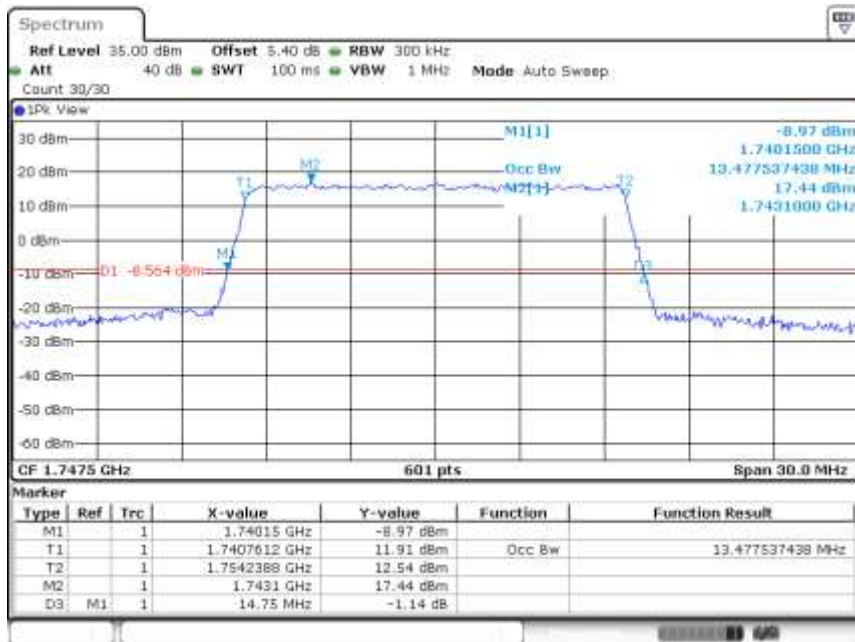


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

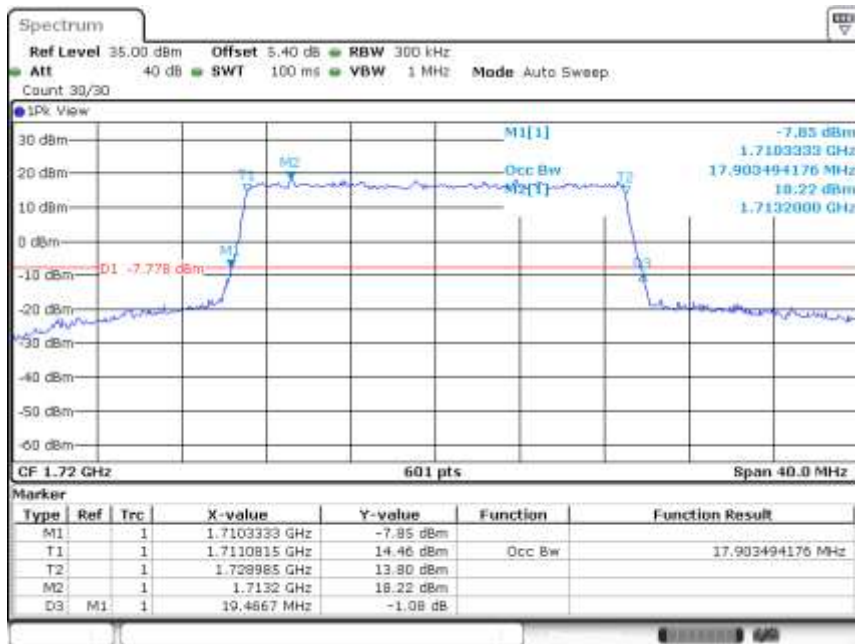
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-20325-75RB#0-13.478



Date: 14 SEP 2020 23:43:25

Band4-20MHz-QPSK-20050-100RB#0-17.903



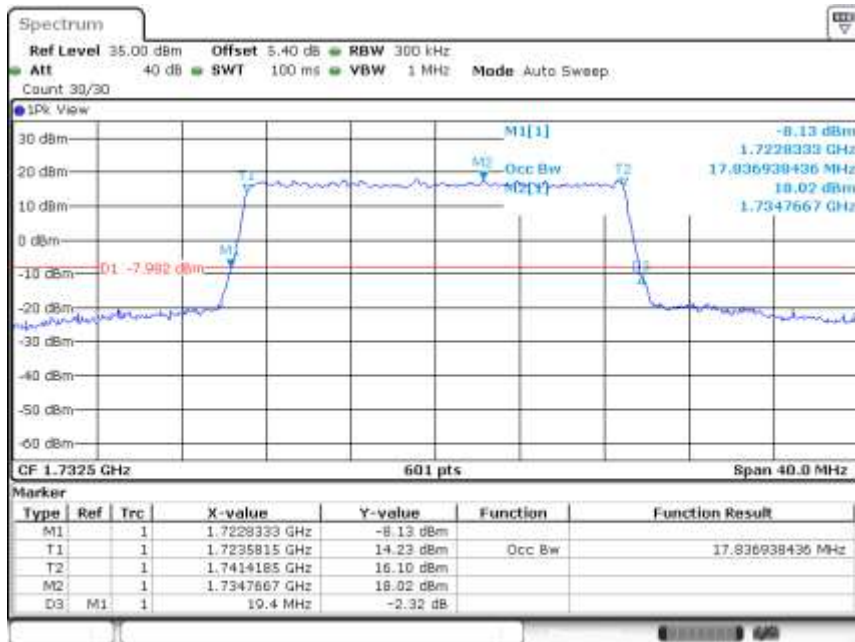
Date: 14 SEP 2020 22:01:46



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

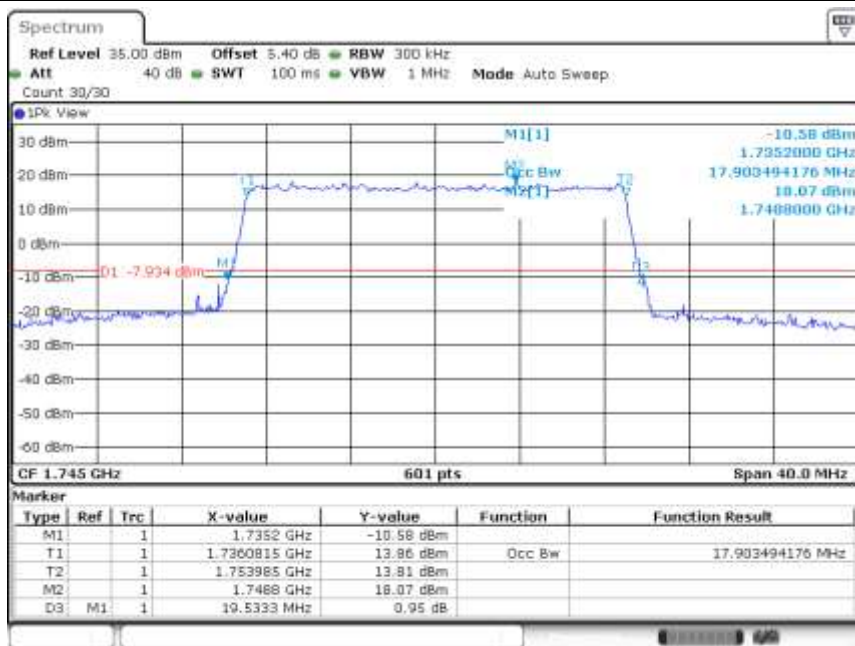
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn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

Band4-20MHz-QPSK-20175-100RB#0-17.837



Date: 14 SEP 2020 22:02:18

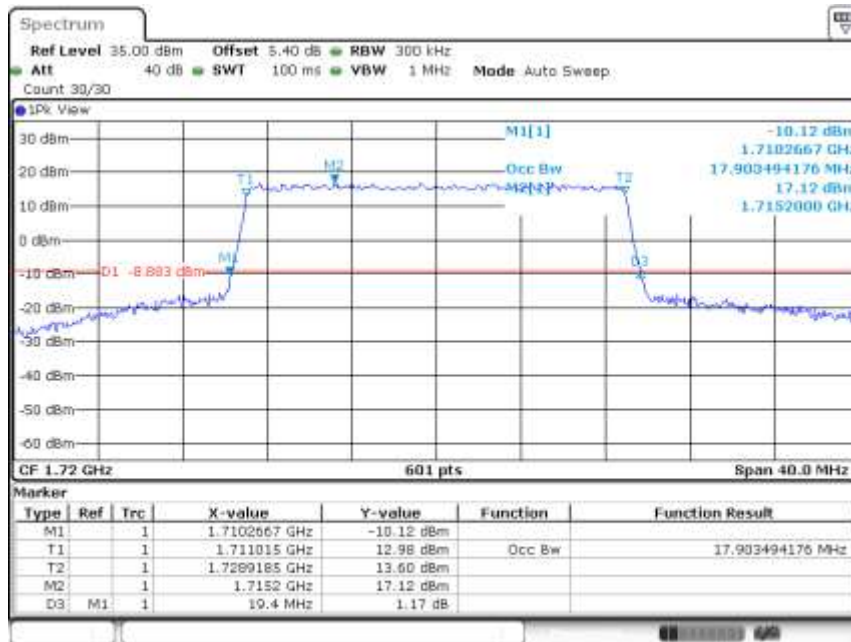
Band4-20MHz-QPSK-20300-100RB#0-17.903



Date: 14 SEP 2020 22:02:50

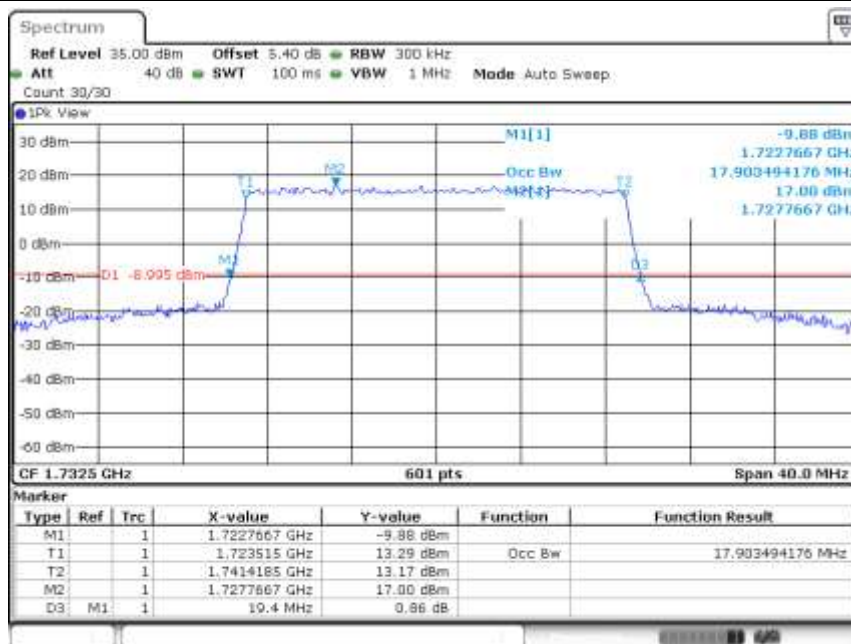


Band4-20MHz-16QAM-20050-100RB#0-17.903



Date: 14 SEP 2020 22:02:02

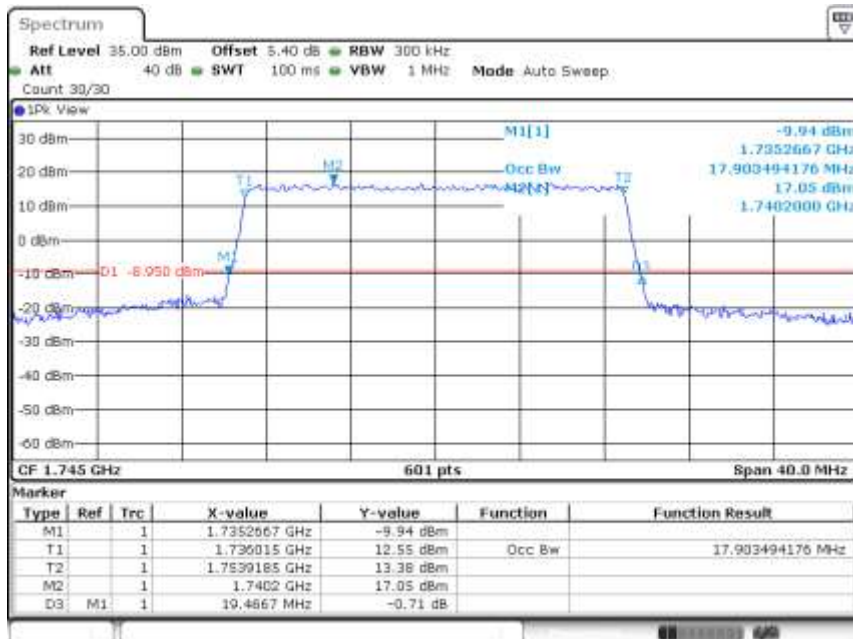
Band4-20MHz-16QAM-20175-100RB#0-17.903



Date: 14 SEP 2020 22:02:34

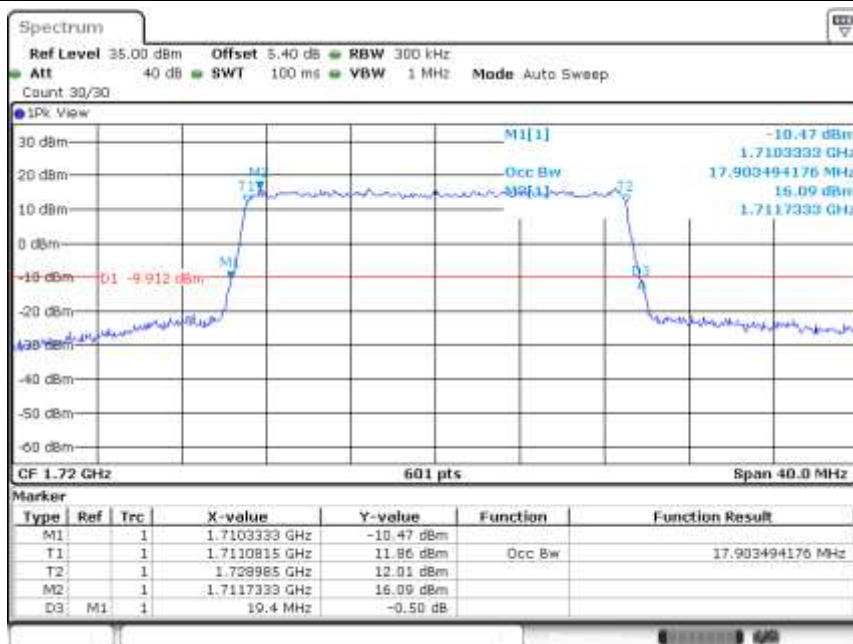


Band4-20MHz-16QAM-20300-100RB#0-17.903



Date: 14 SEP 2020 22:03:06

Band4-20MHz-64QAM-20050-100RB#0-17.903



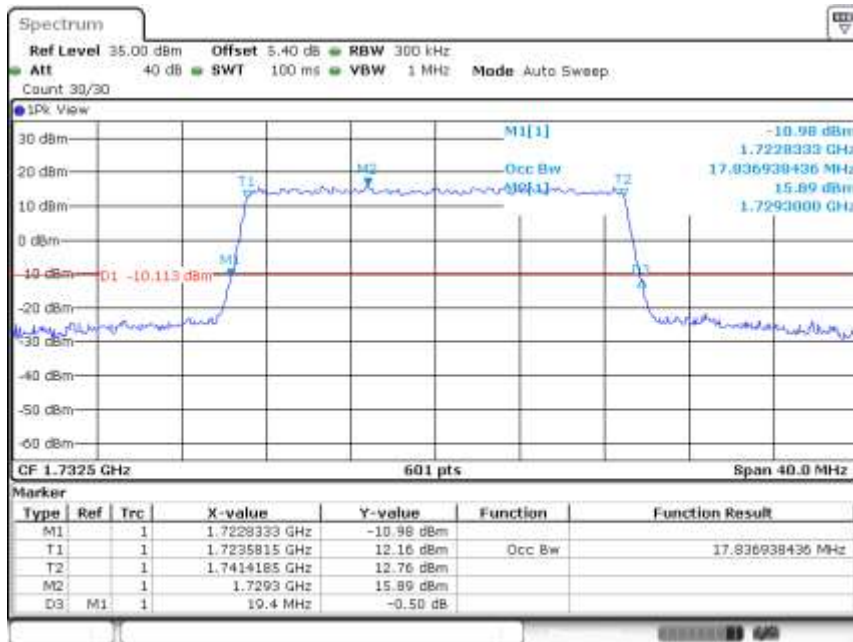
Date: 14 SEP 2020 23:43:46



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

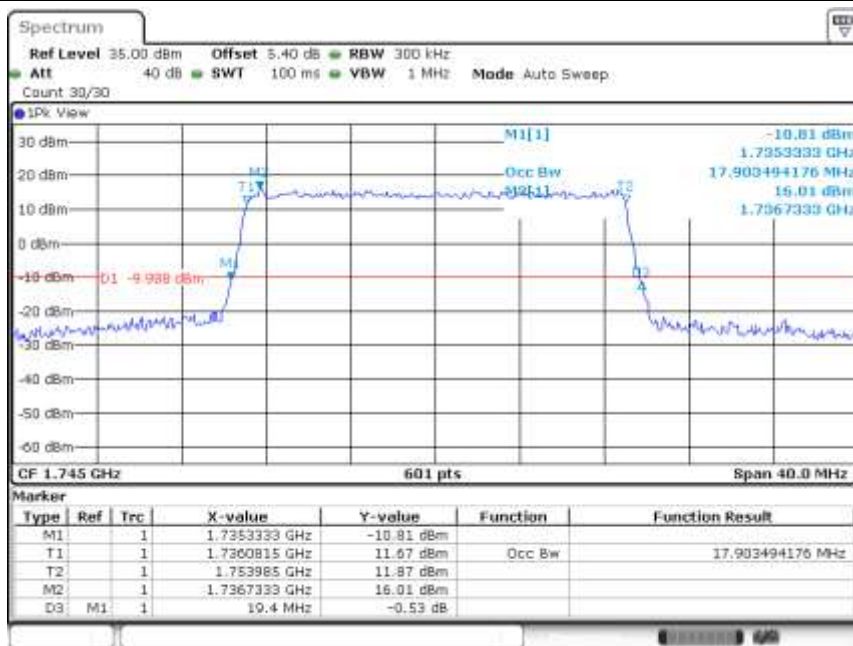
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-20MHz-64QAM-20175-100RB#0-17.837



Date: 14 SEP 2020 23:44:02

Band4-20MHz-64QAM-20300-100RB#0-17.903



Date: 14 SEP 2020 23:44:18



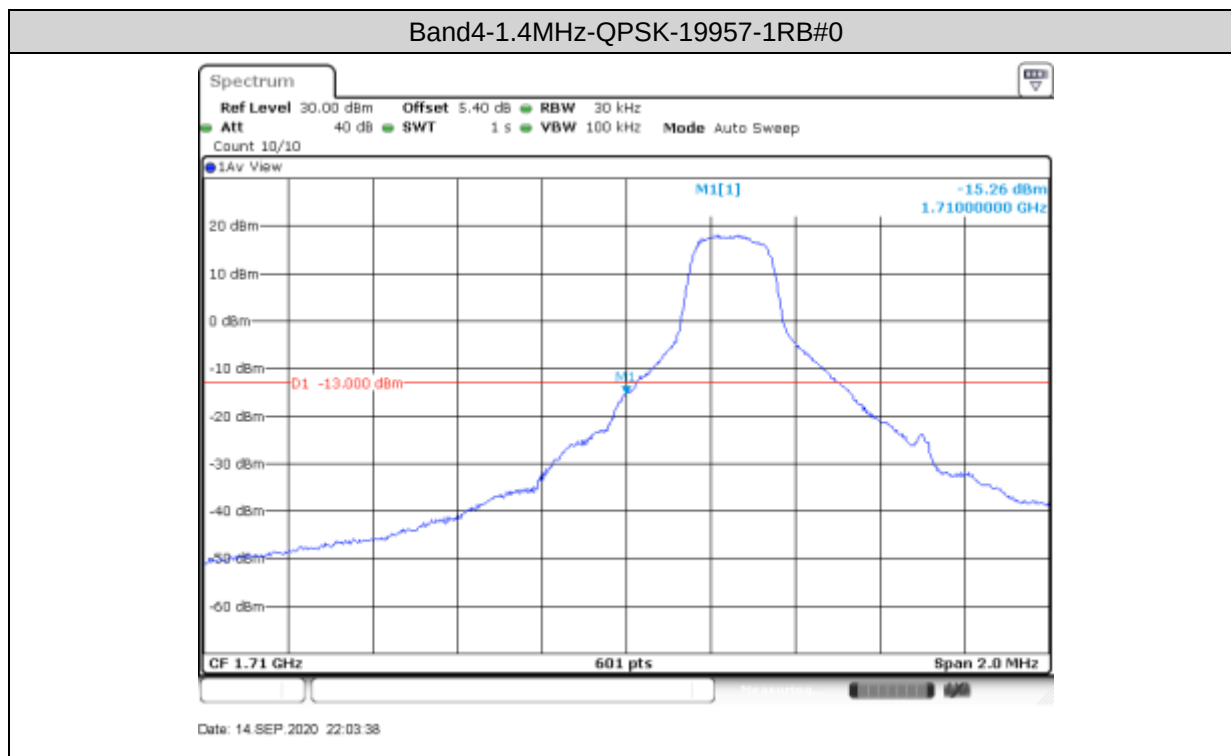
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 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

5 Band Edge Compliance

5.1 Test Plots



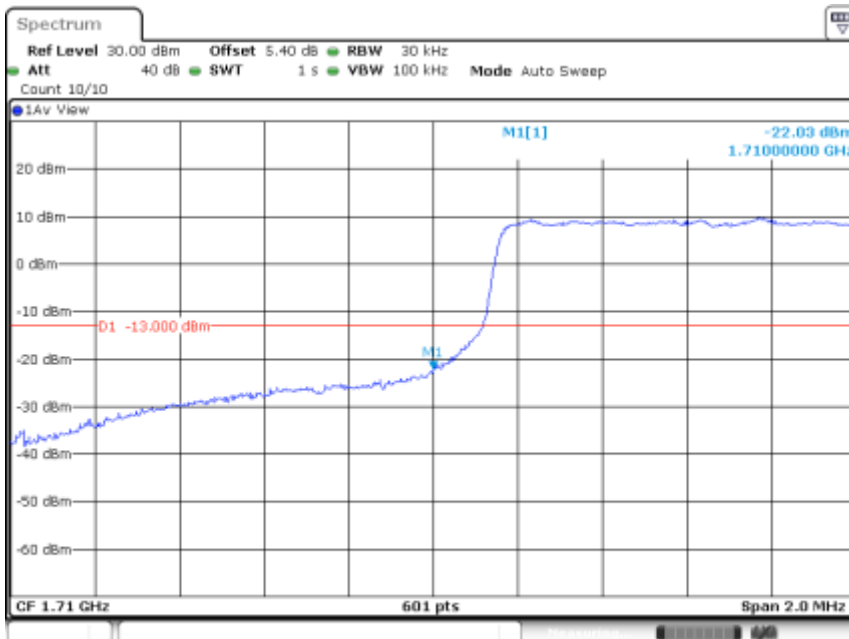
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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



Date: 14 SEP.2020 22:04:25

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



Date: 14 SEP.2020 22:05:20



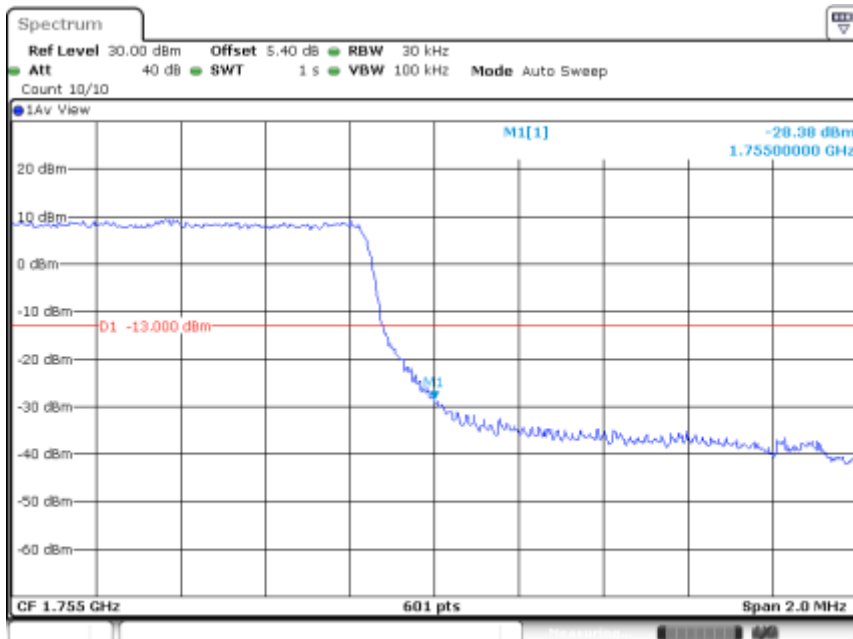
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

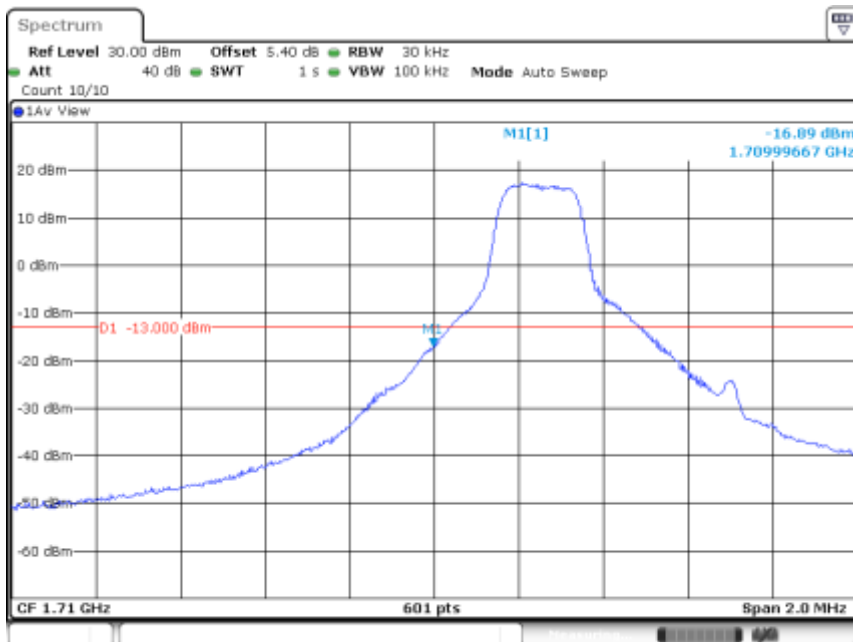
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:06:07

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



Date: 14 SEP.2020 22:04:02

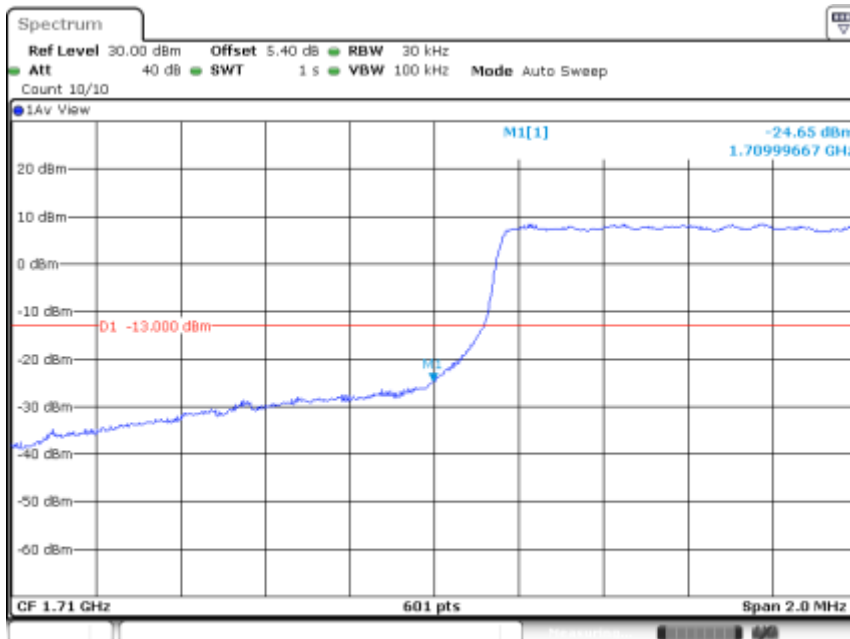


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

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



Date: 14 SEP.2020 22:04:49

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



Date: 14 SEP.2020 22:05:44



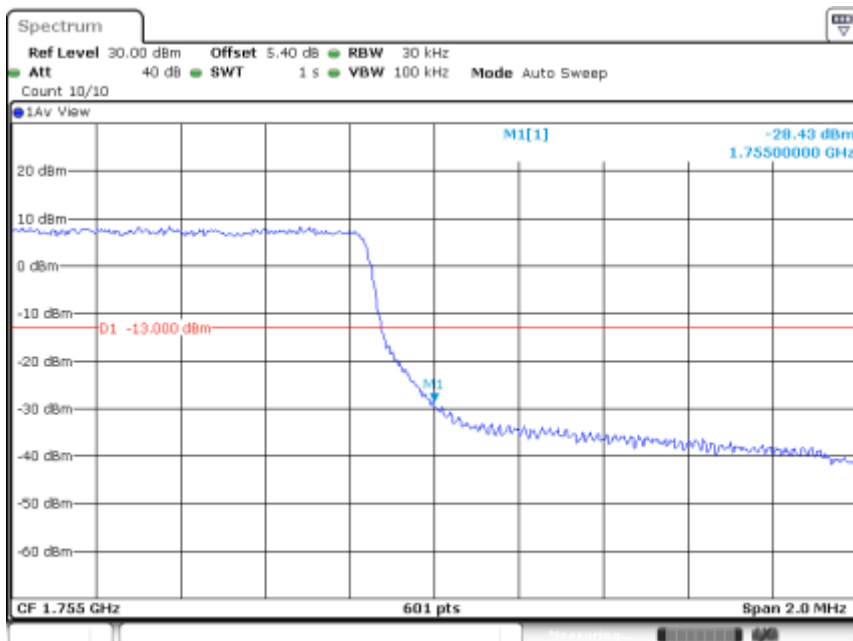
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

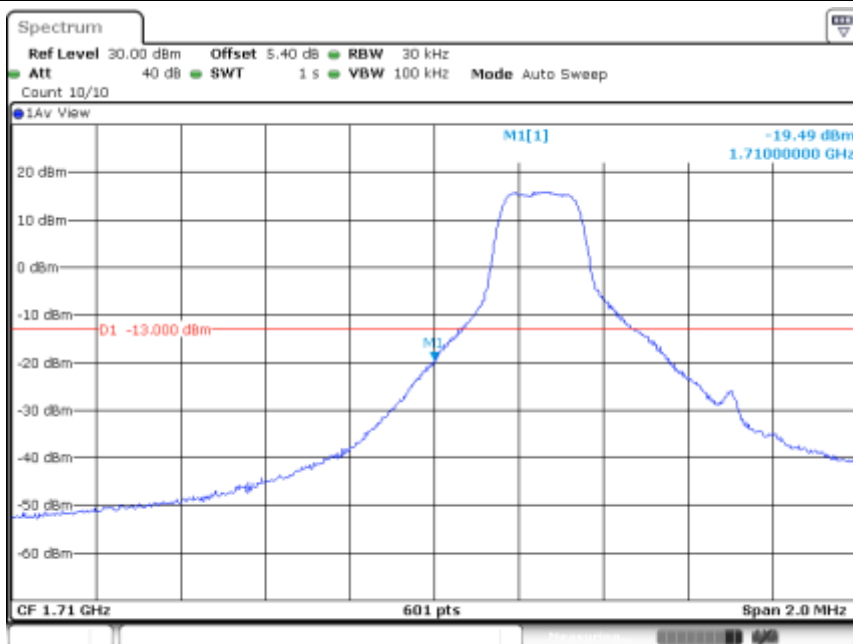
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:06:31

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



Date: 14 SEP.2020 23:44:51



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

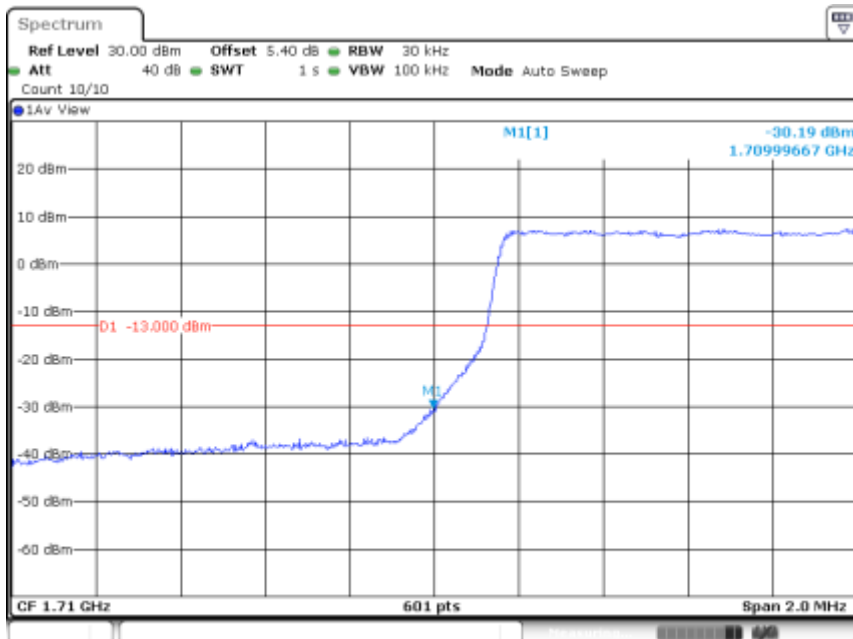
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

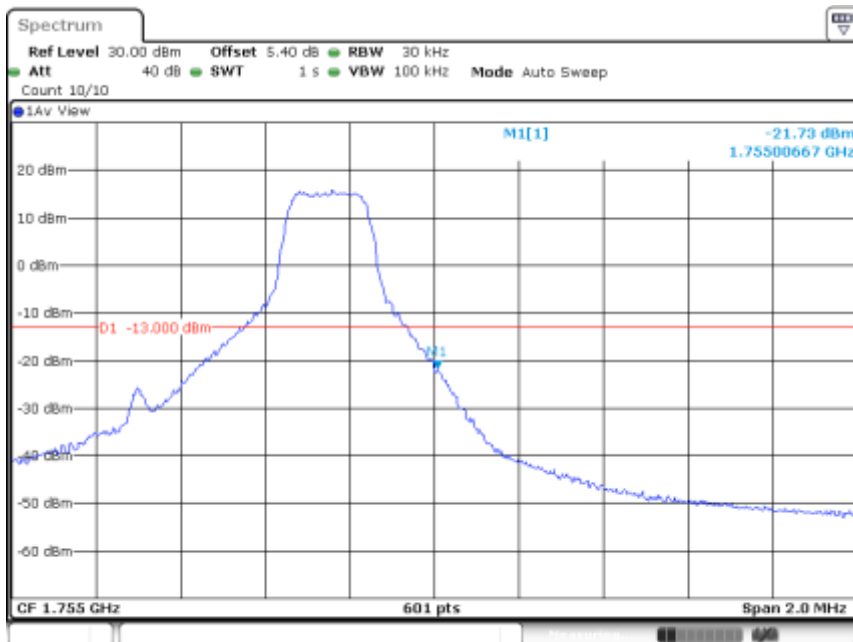
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 23:45:14

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



Date: 14 SEP.2020 23:45:46

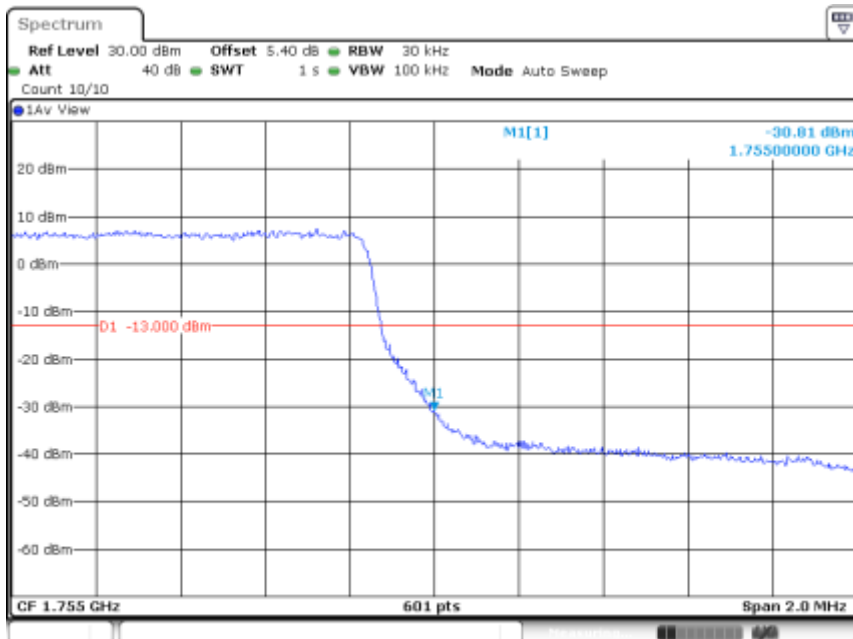


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

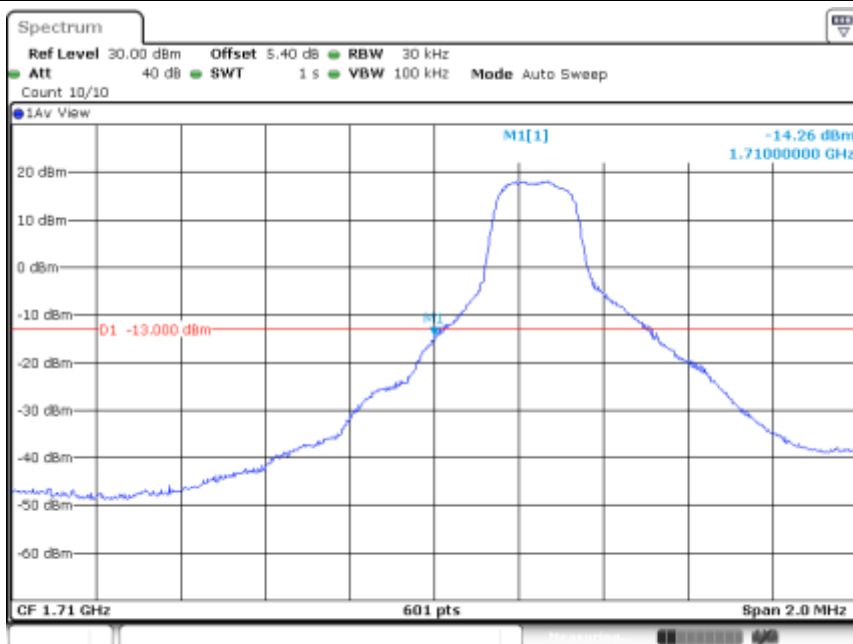
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 23:46:09

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



Date: 15 SEP.2020 09:05:22



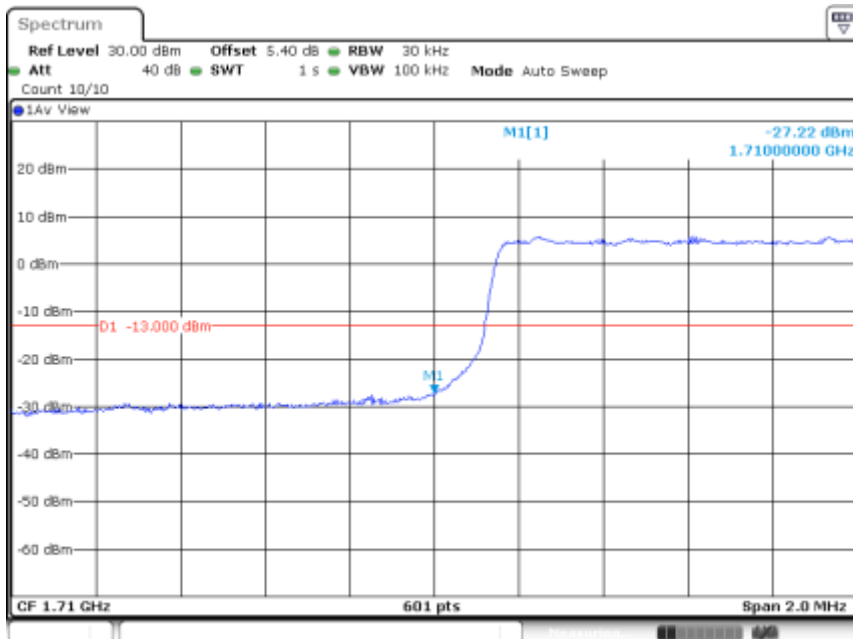
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 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-QPSK-19965-15RB#0



Date: 15 SEP.2020 09:06:09

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

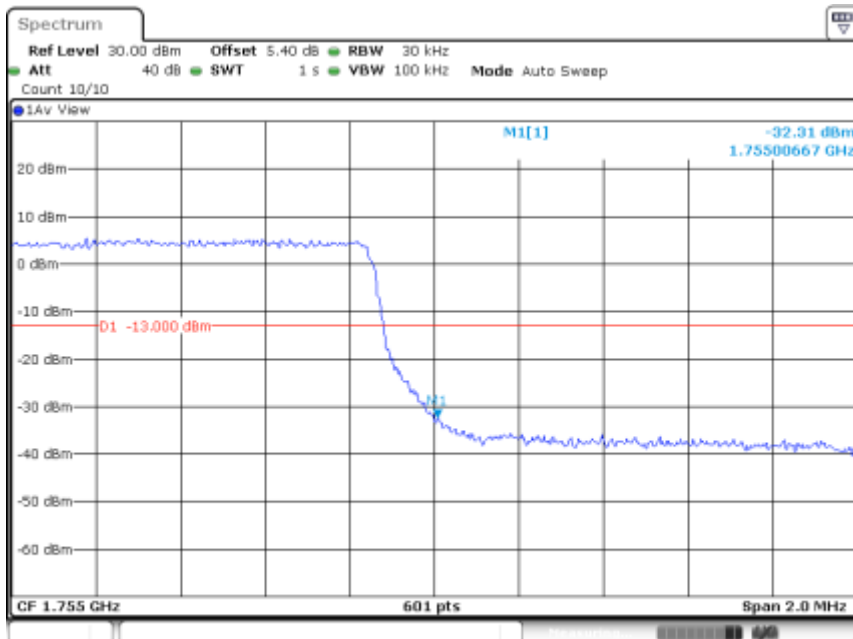


Date: 15 SEP.2020 09:07:04



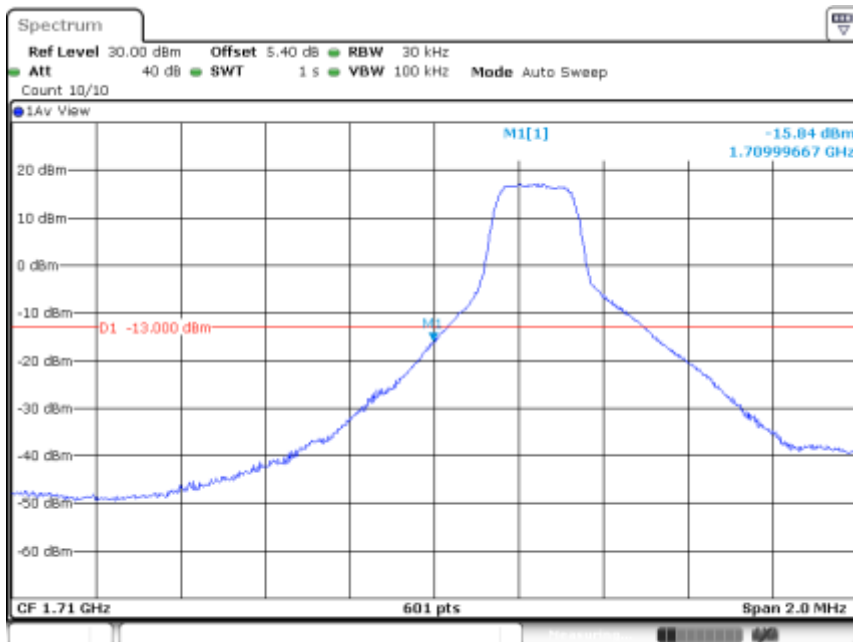
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 1443, or email: CN.Doccheck@sgs.com

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



Date: 15 SEP.2020 09:07:51

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



Date: 15 SEP.2020 09:05:45

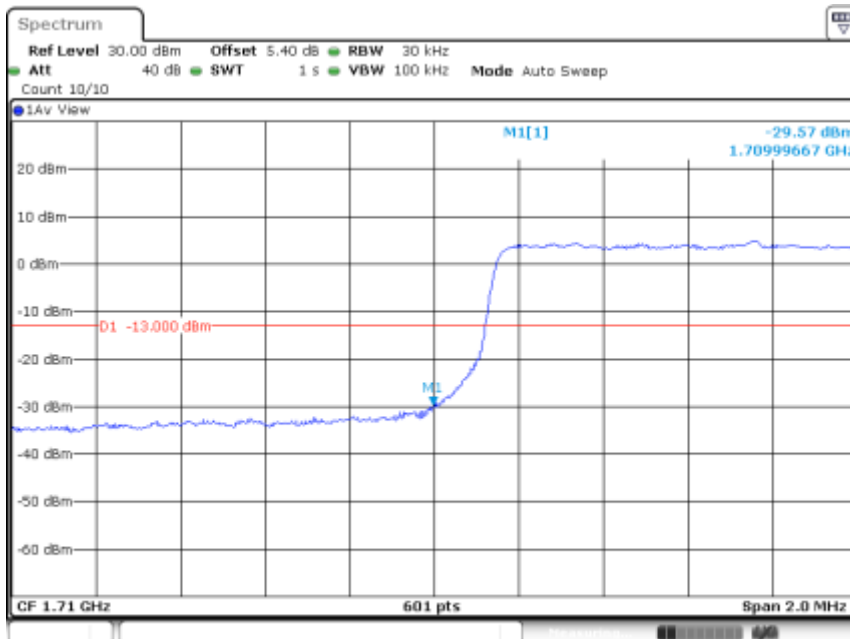


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

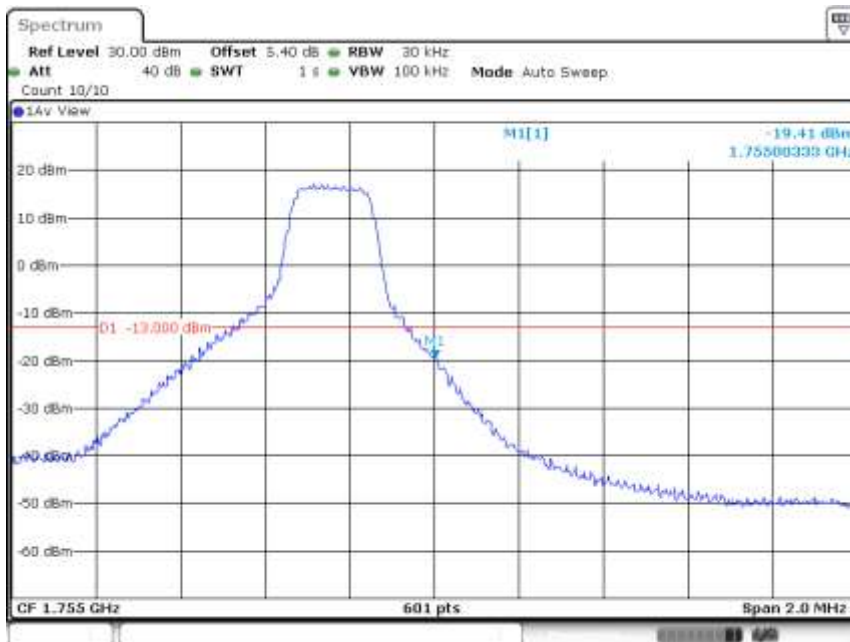
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 15 SEP.2020 09:06:32

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



Date: 15 SEP.2020 09:07:27

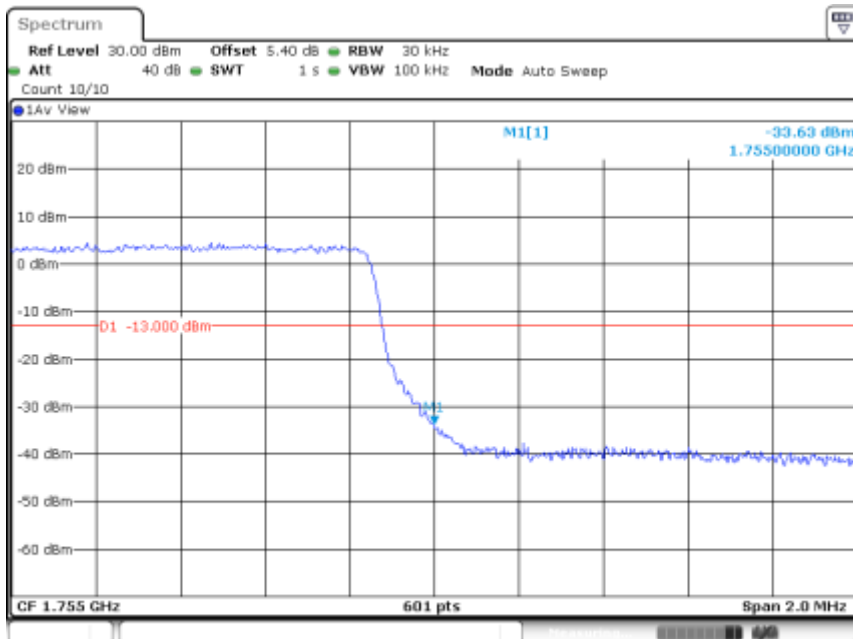


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 1443, or email: CN.Doccheck@sgs.com

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

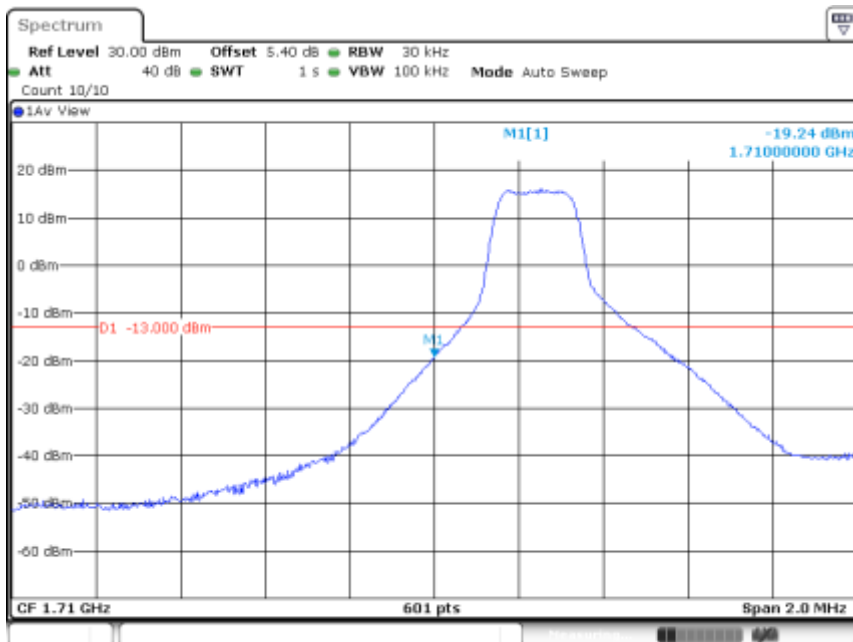
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 15 SEP.2020 09:08:14

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



Date: 15 SEP.2020 09:10:36

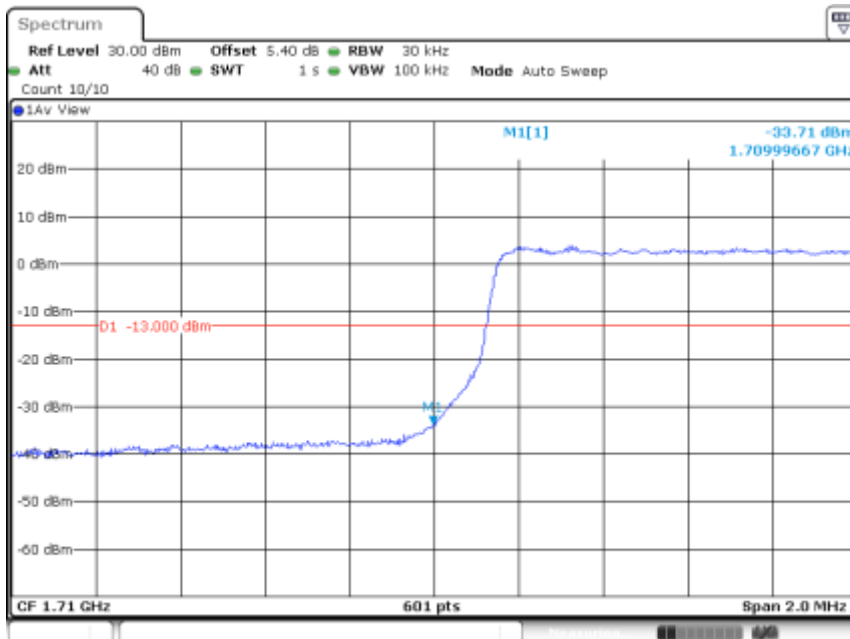


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

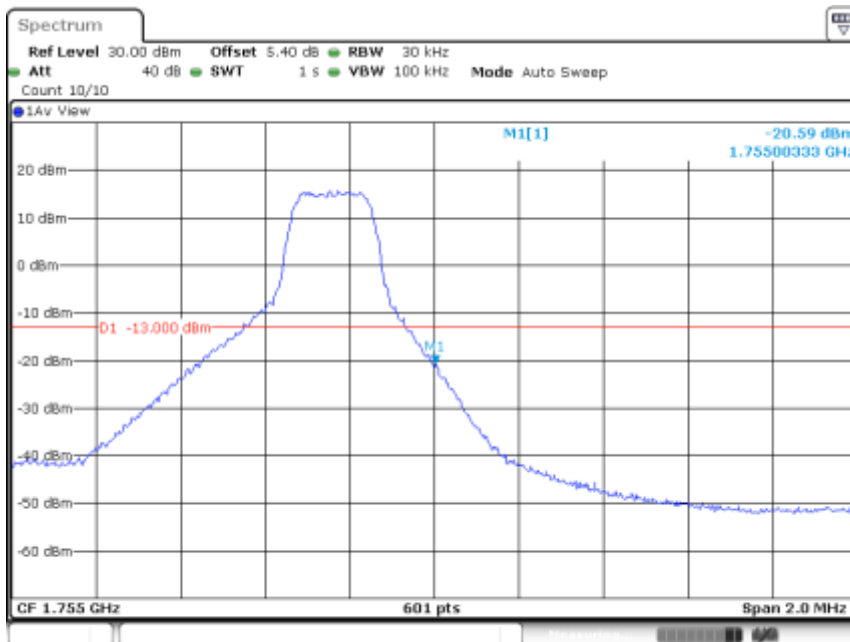
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 15 SEP.2020 09:10:59

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



Date: 15 SEP.2020 09:11:30

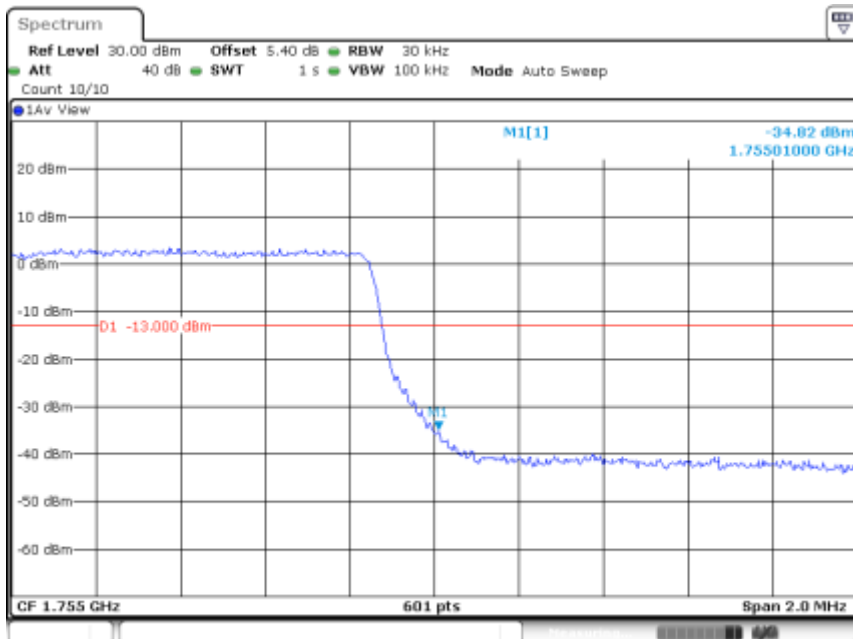


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 1443, or email: CN.Doccheck@sgs.com

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

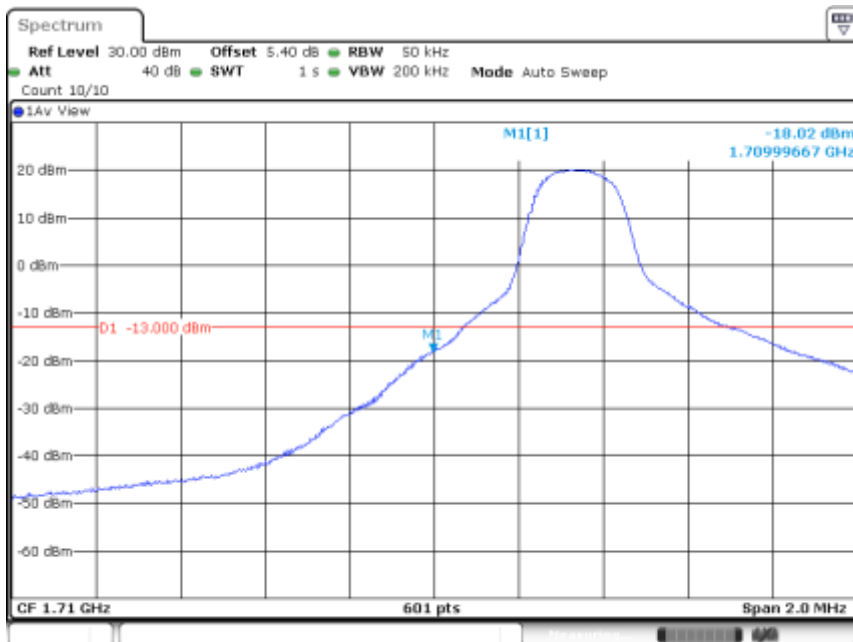
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 15 SEP.2020 09:11:54

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

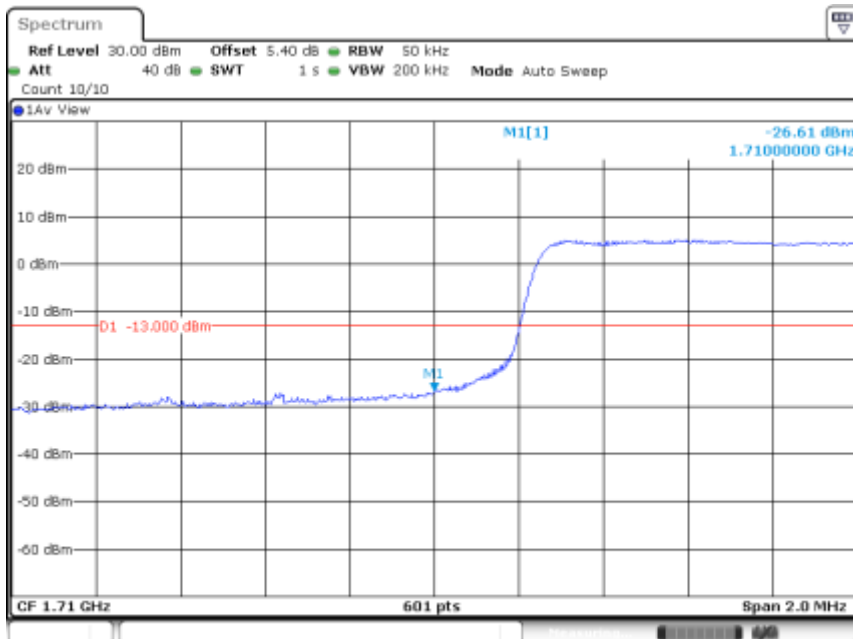


Date: 14 SEP.2020 22:09:10



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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) 8207 1443, or email: CN.Doccheck@sgs.com

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



Date: 14 SEP.2020 22:09:57

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



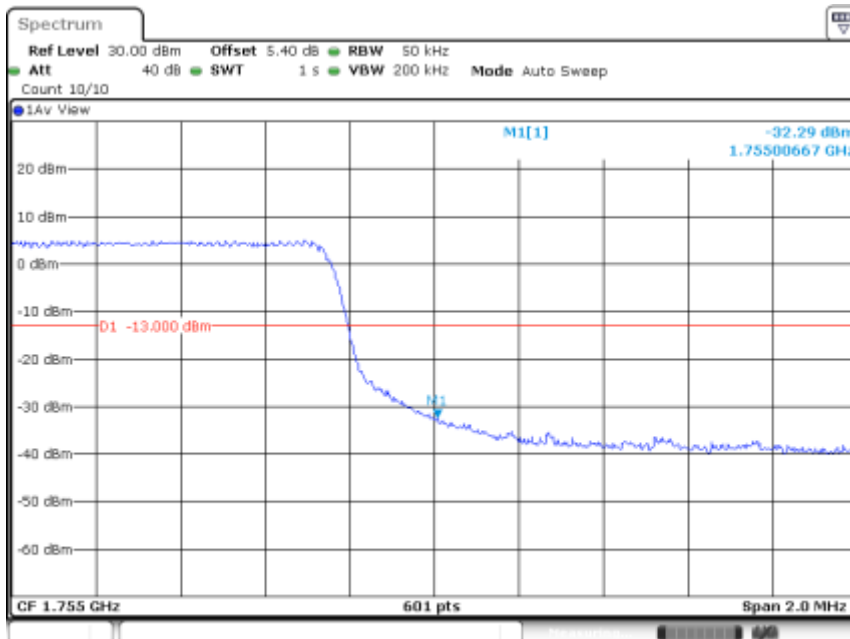
Date: 14 SEP.2020 22:10:51



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

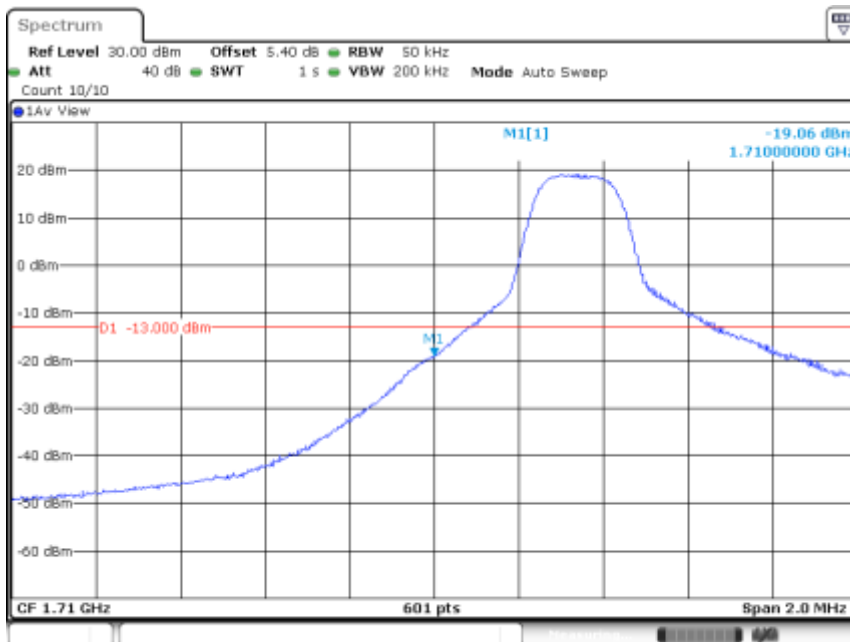
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-QPSK-20375-25RB#0



Date: 14 SEP.2020 22:11:38

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



Date: 14 SEP.2020 22:09:33



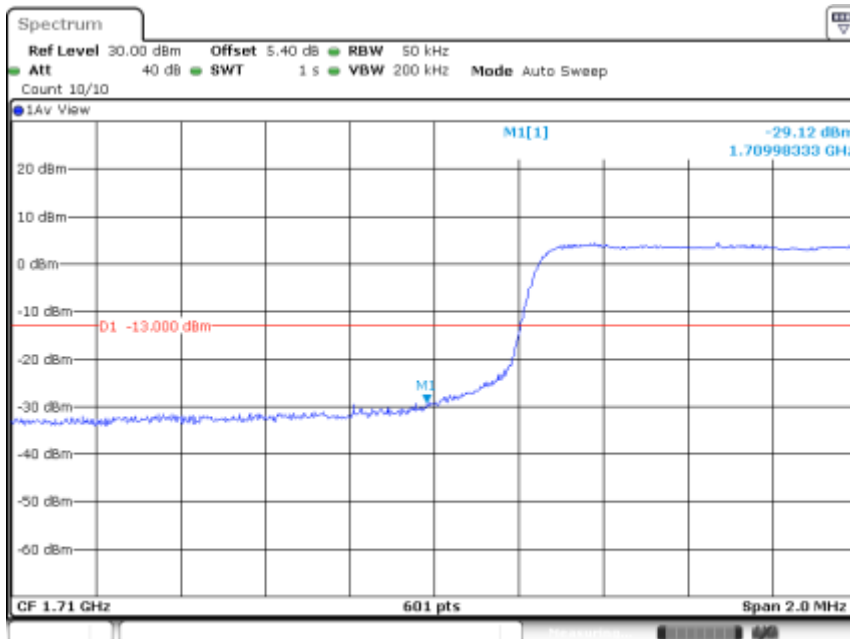
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:10:20

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



Date: 14 SEP.2020 22:11:15

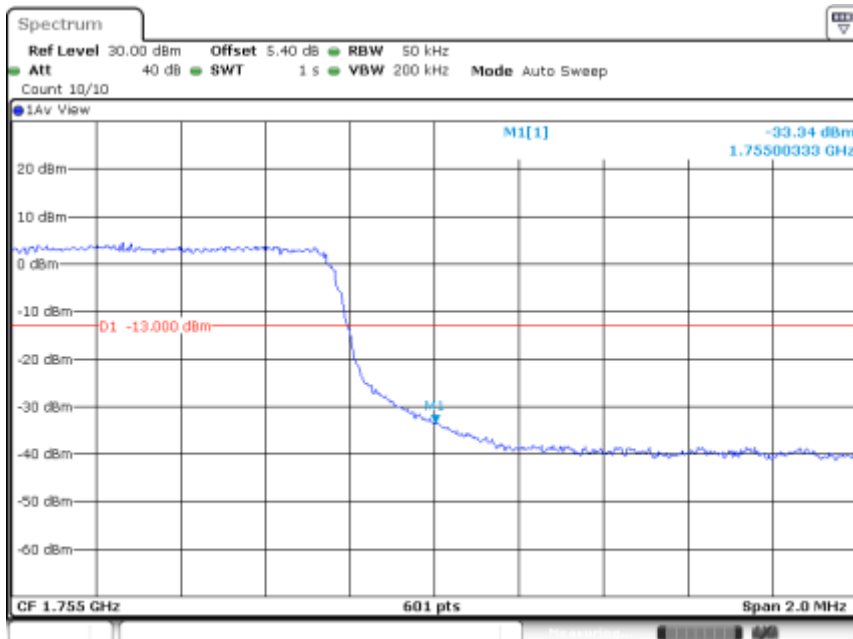


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

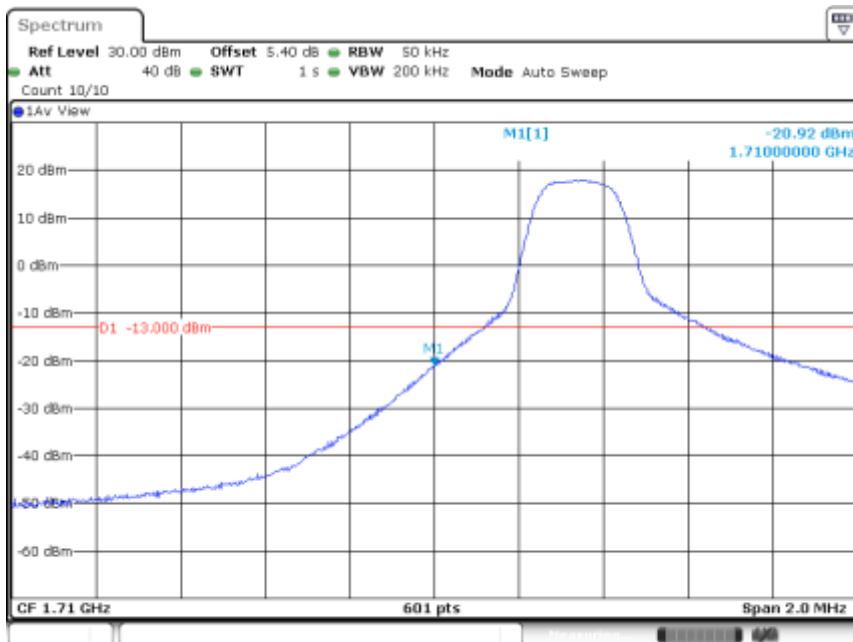
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:12:02

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



Date: 14 SEP.2020 23:47:53



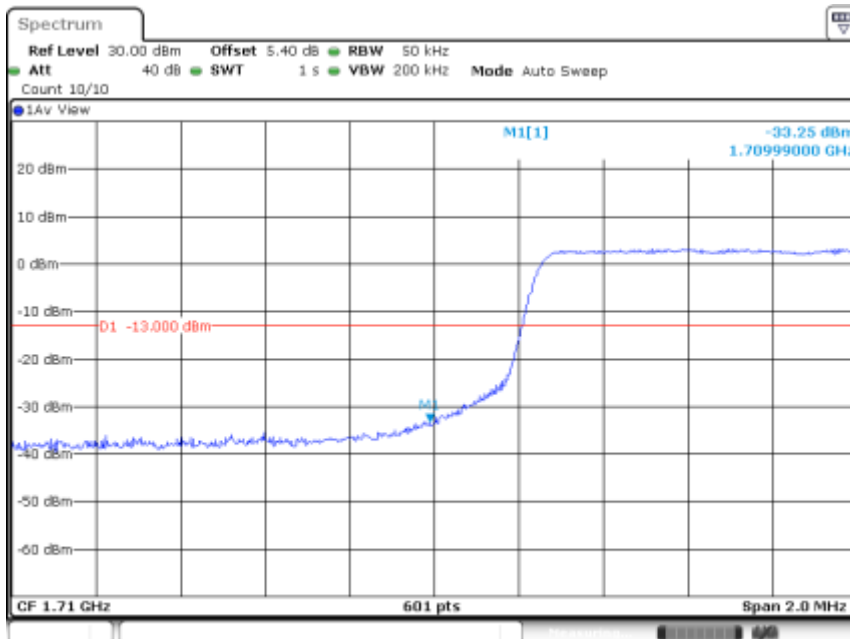
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

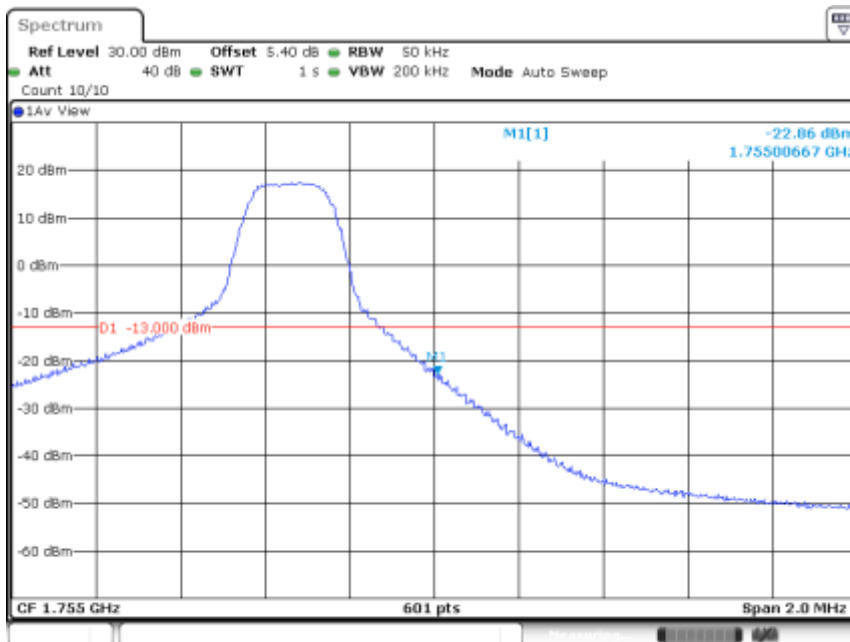
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 23:48:16

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



Date: 14 SEP.2020 23:48:48

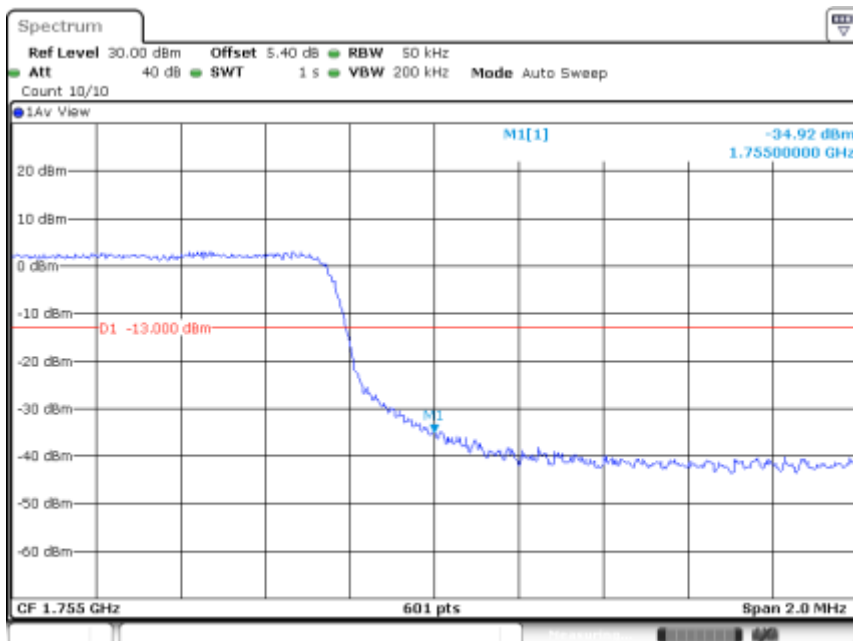


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

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



Date: 14 SEP.2020 23:49:12

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



Date: 14 SEP.2020 22:12:34



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

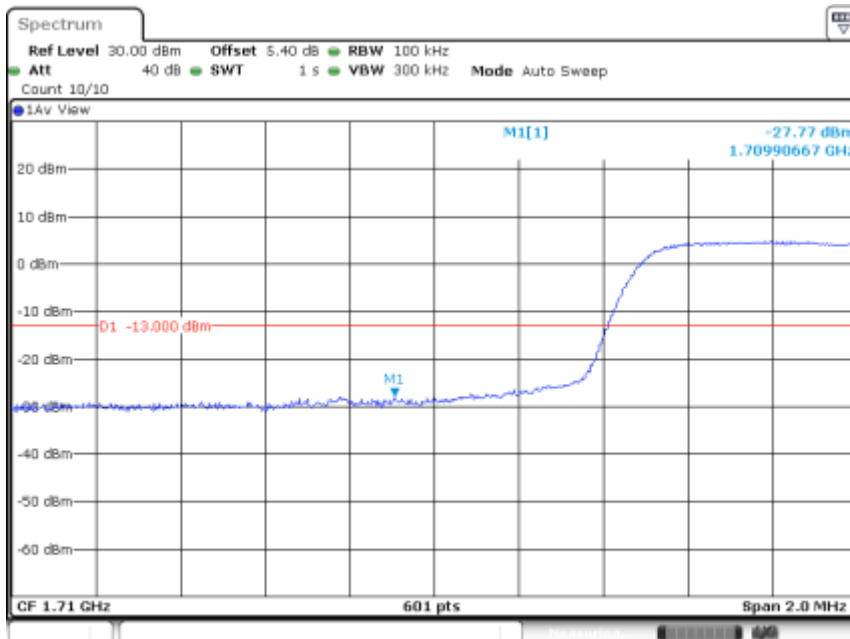
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:13:21

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



Date: 14 SEP.2020 22:14:15

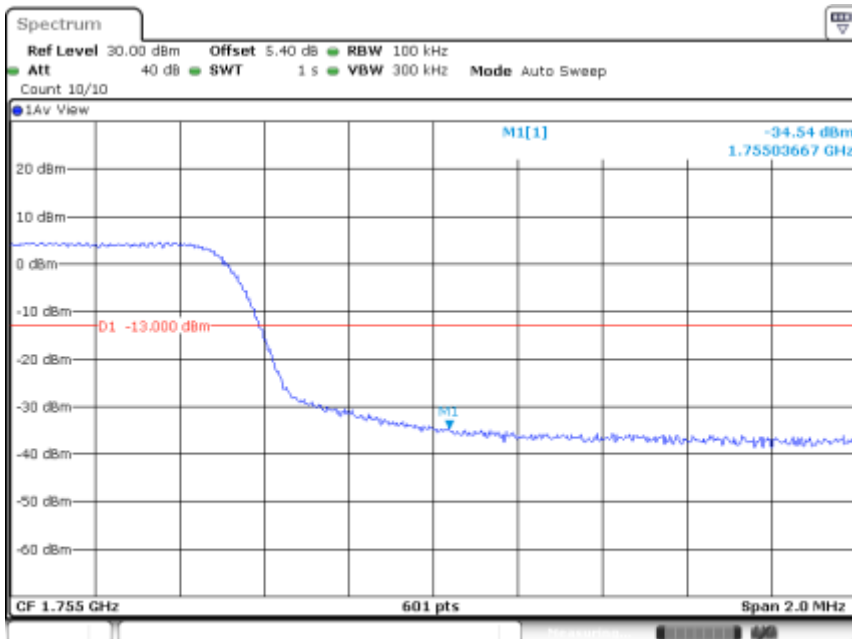


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

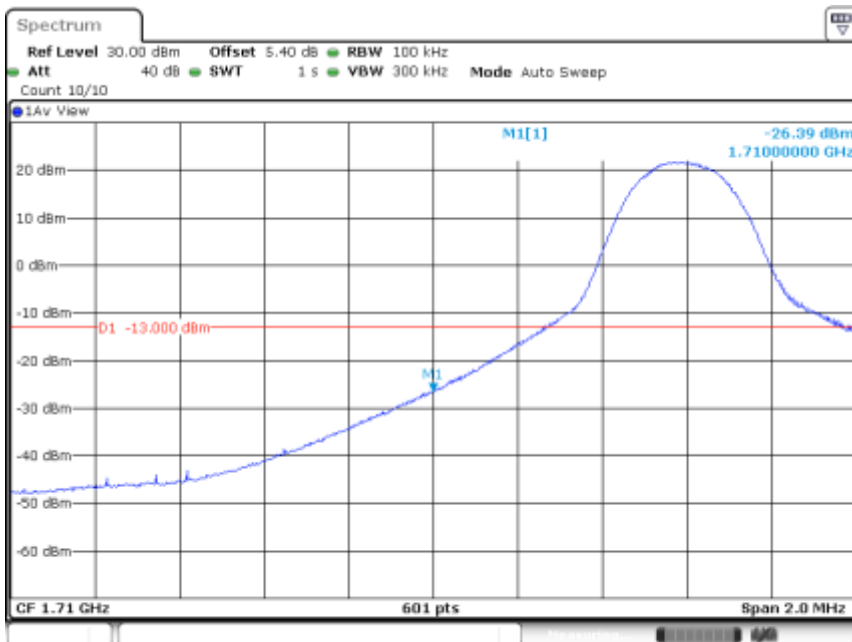
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:15:02

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



Date: 14 SEP.2020 22:12:57

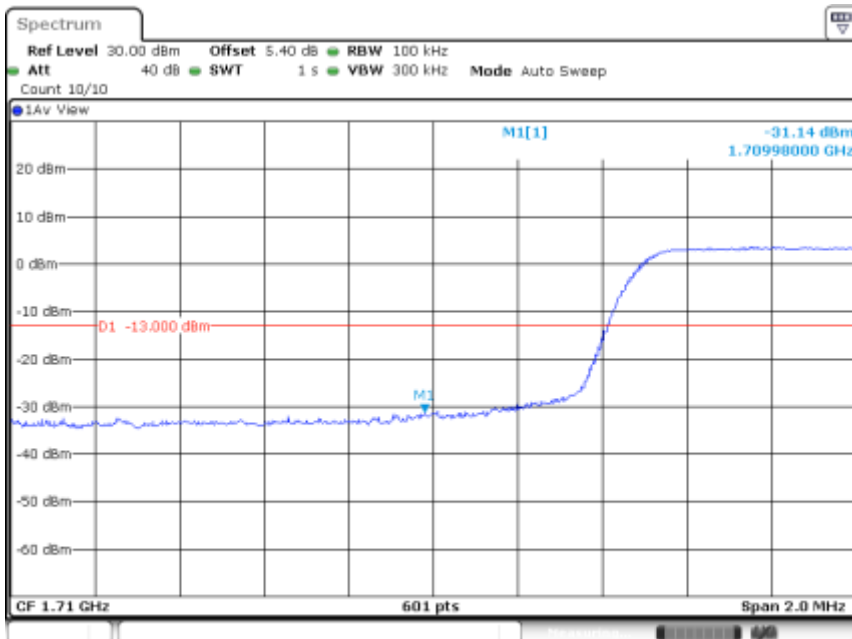


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

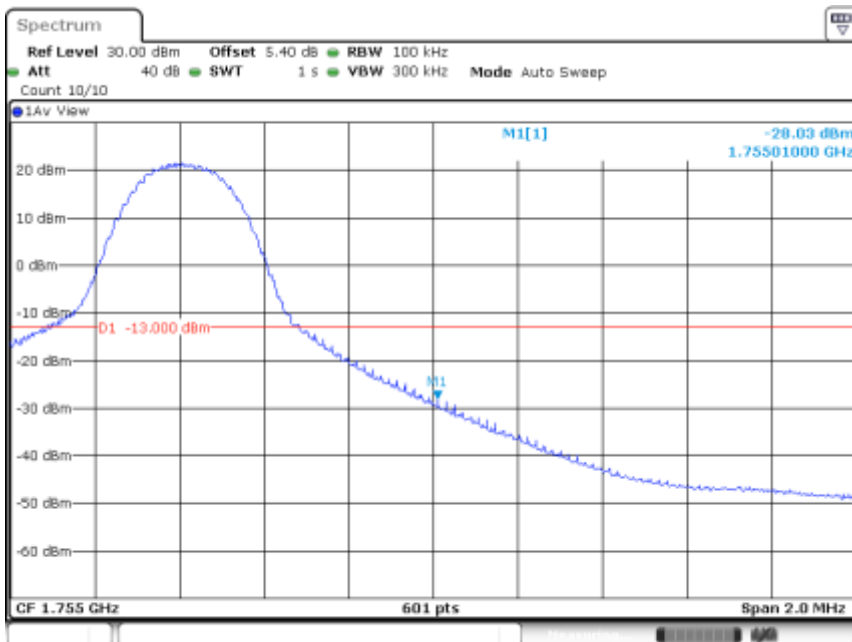
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:13:44

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



Date: 14 SEP.2020 22:14:39

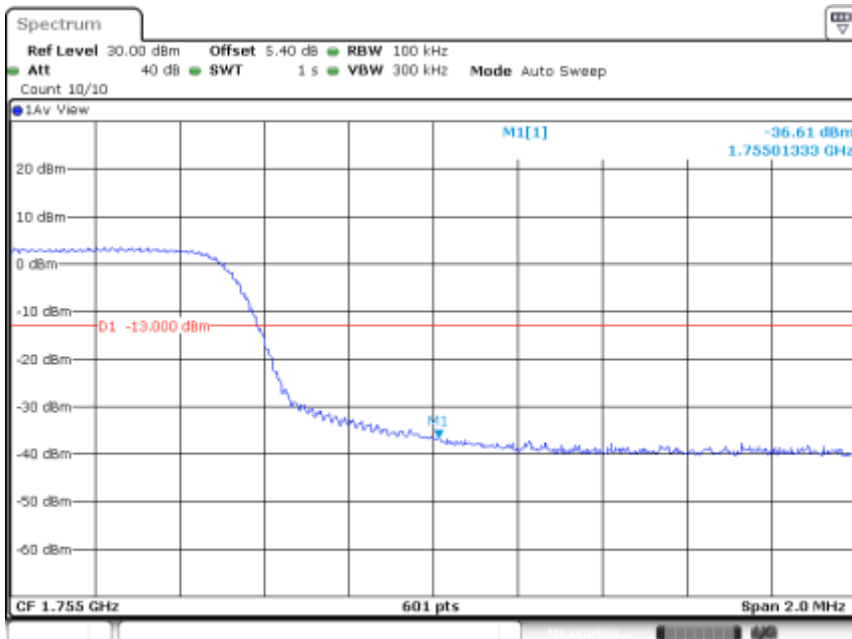


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

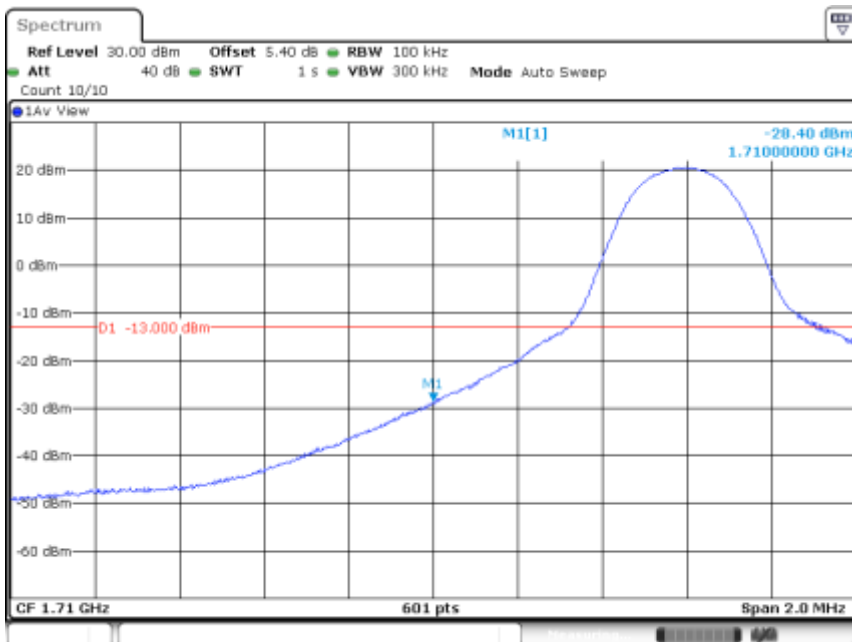
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:15:26

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



Date: 14 SEP.2020 23:49:44

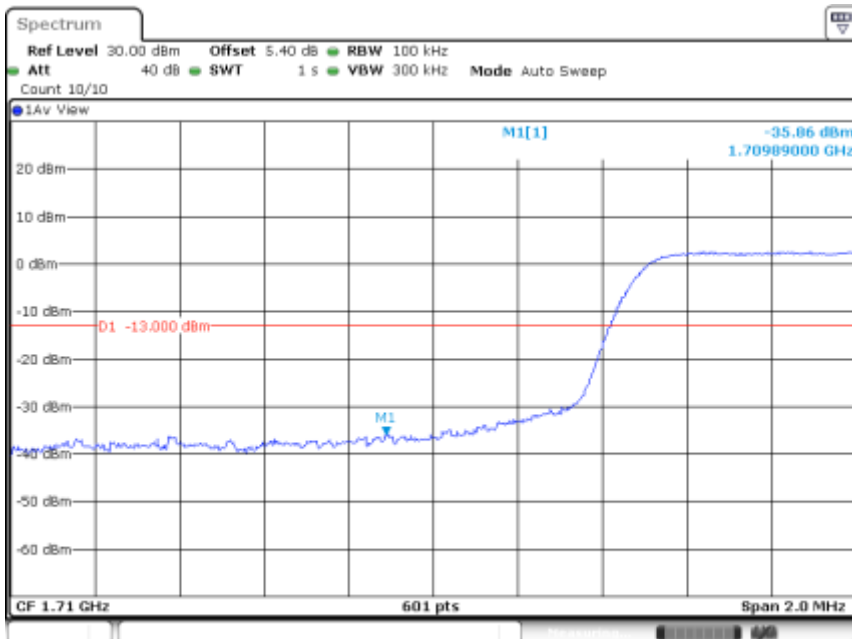


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

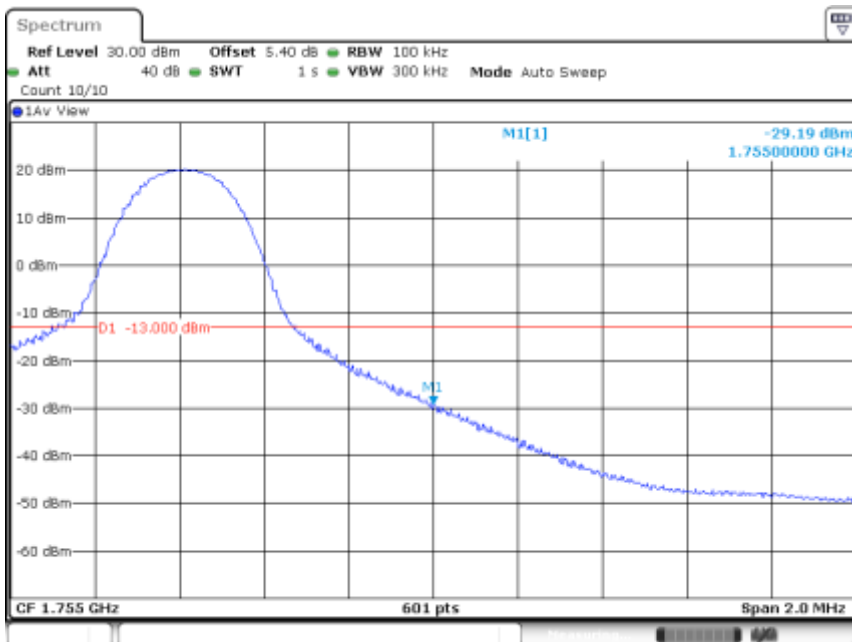
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 23:50:08

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



Date: 14 SEP.2020 23:50:40



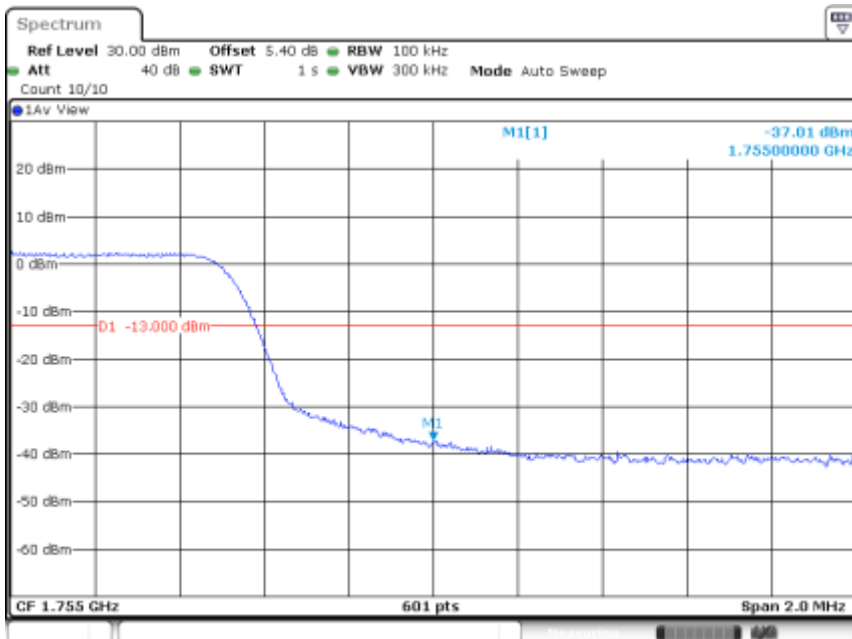
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

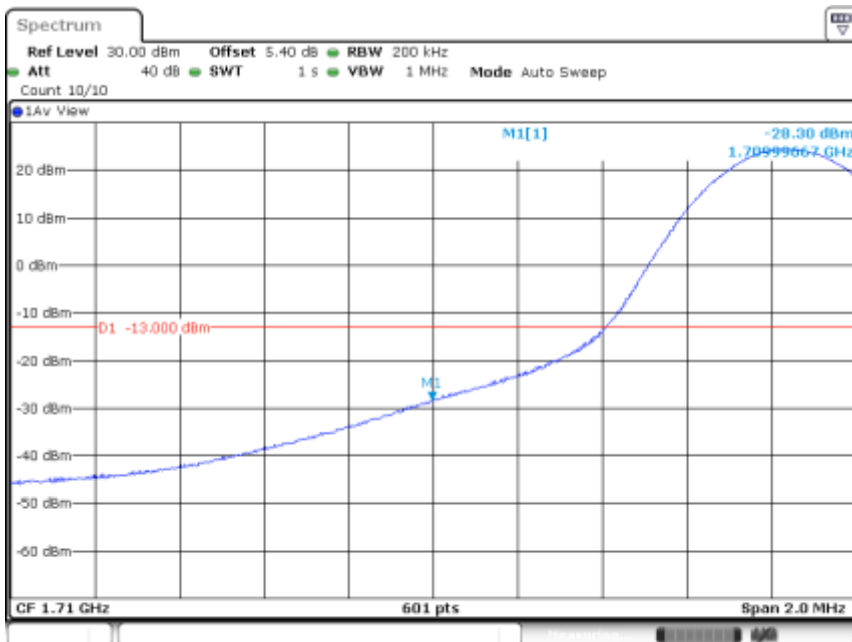
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 23:51:03

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



Date: 14 SEP.2020 22:15:58

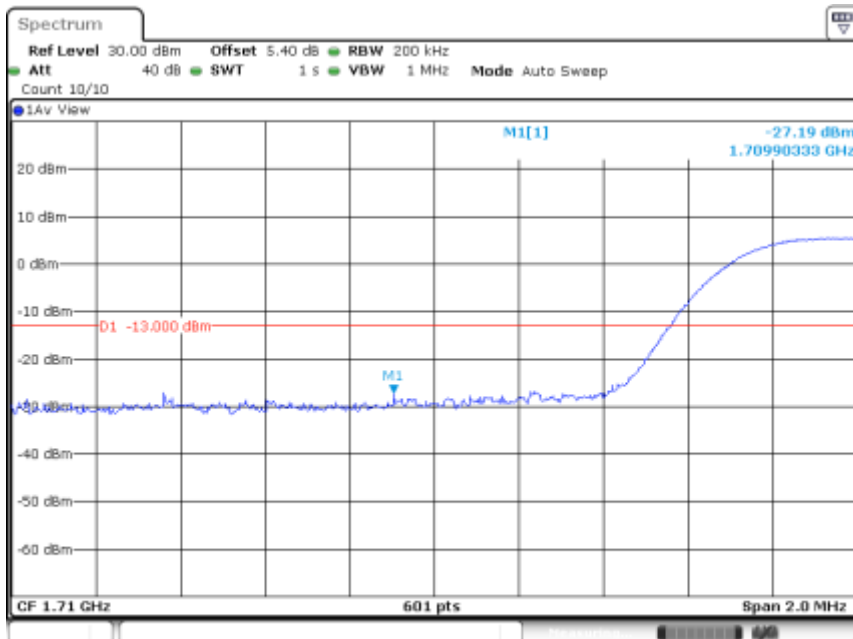


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

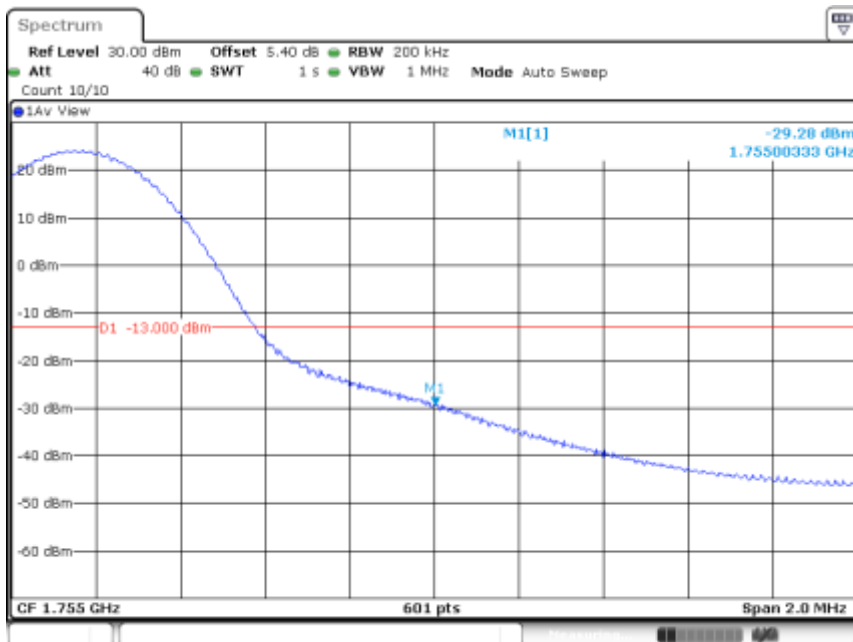
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:16:45

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



Date: 14 SEP.2020 22:17:41

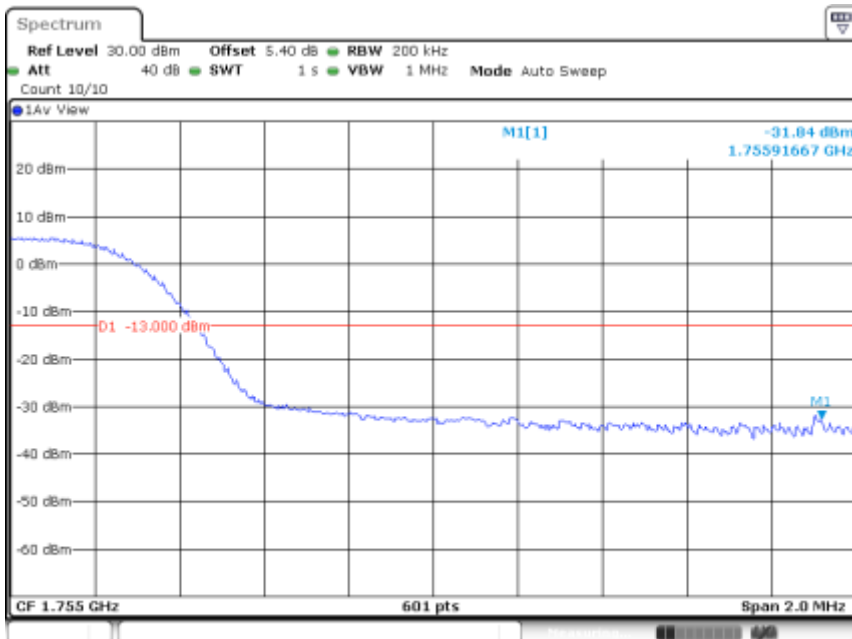


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

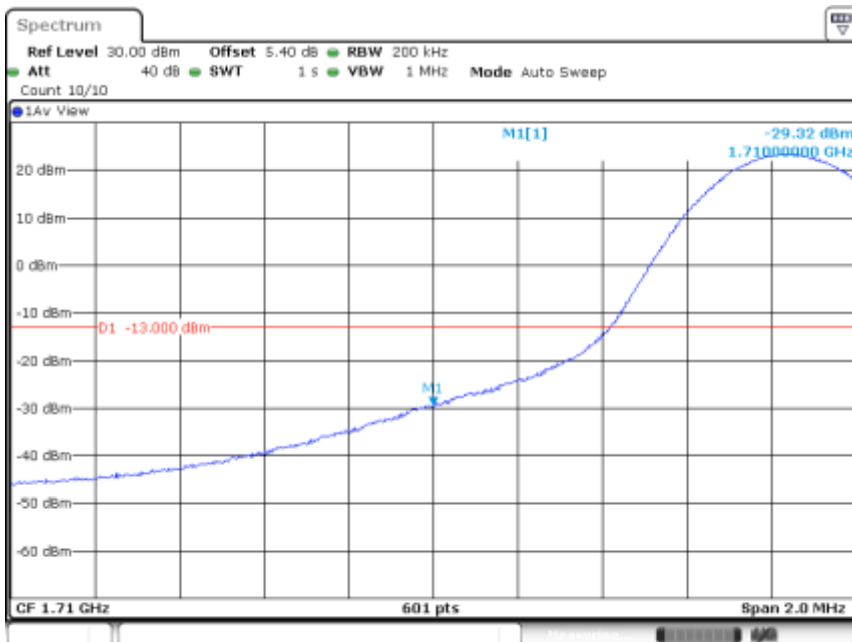
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:18:28

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



Date: 14 SEP.2020 22:16:21



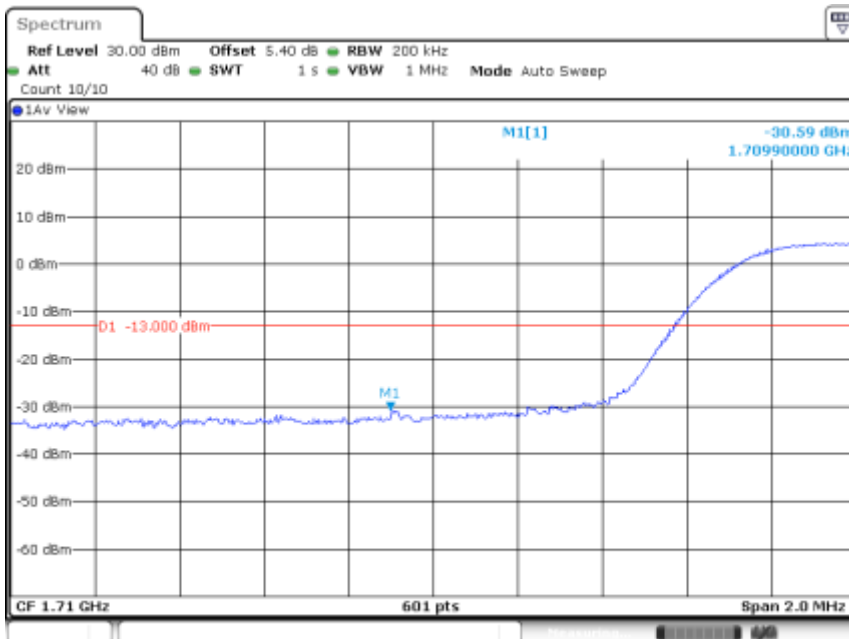
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

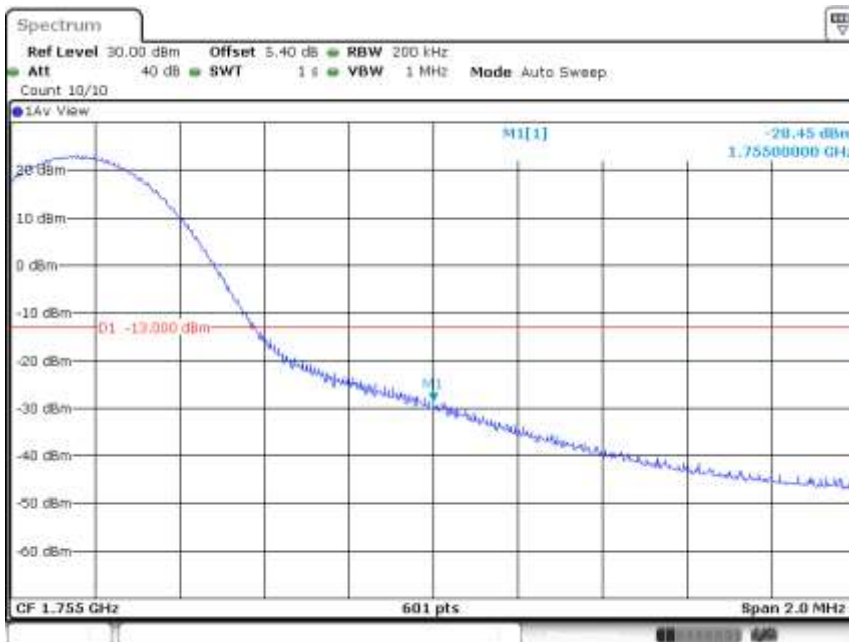
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:17:08

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



Date: 14 SEP.2020 22:18:04



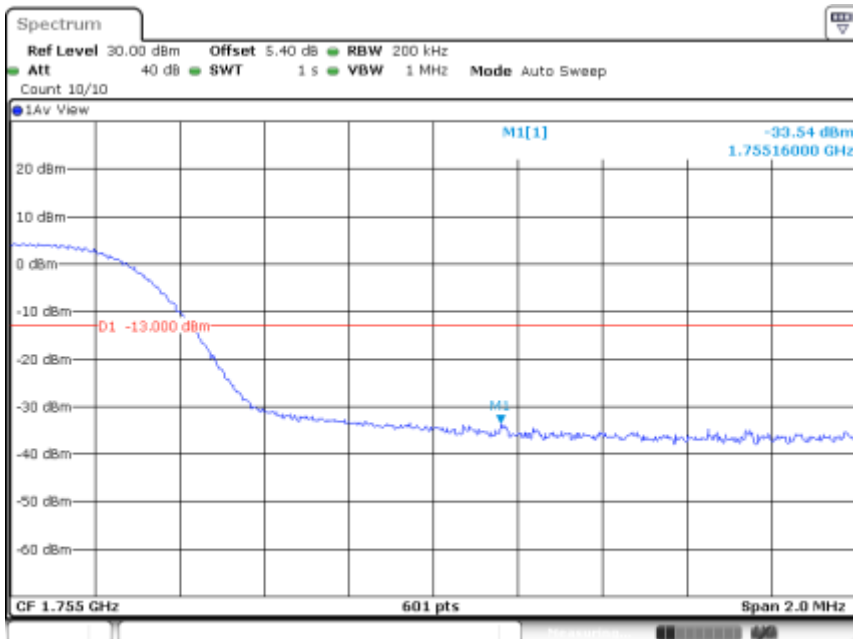
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

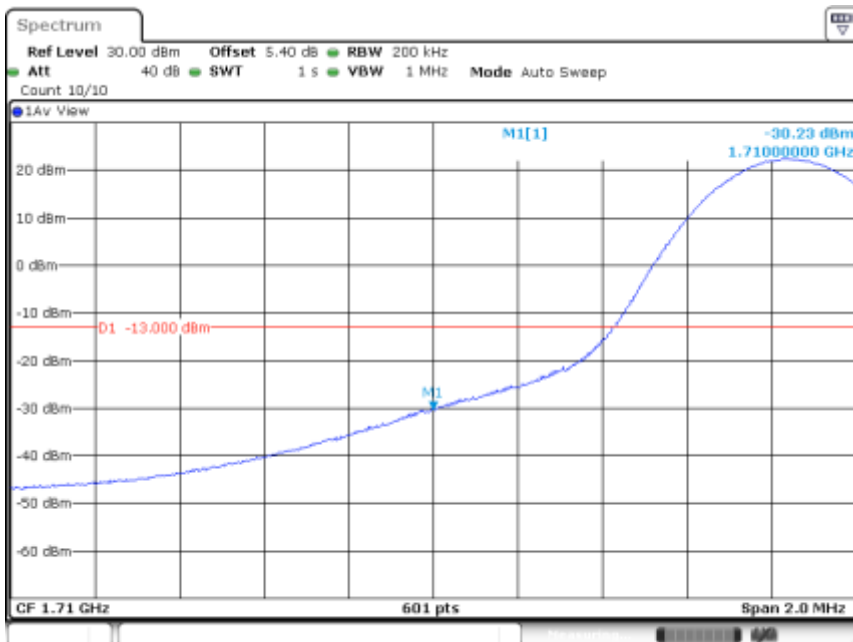
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:18:51

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



Date: 15 SEP.2020 09:12:26



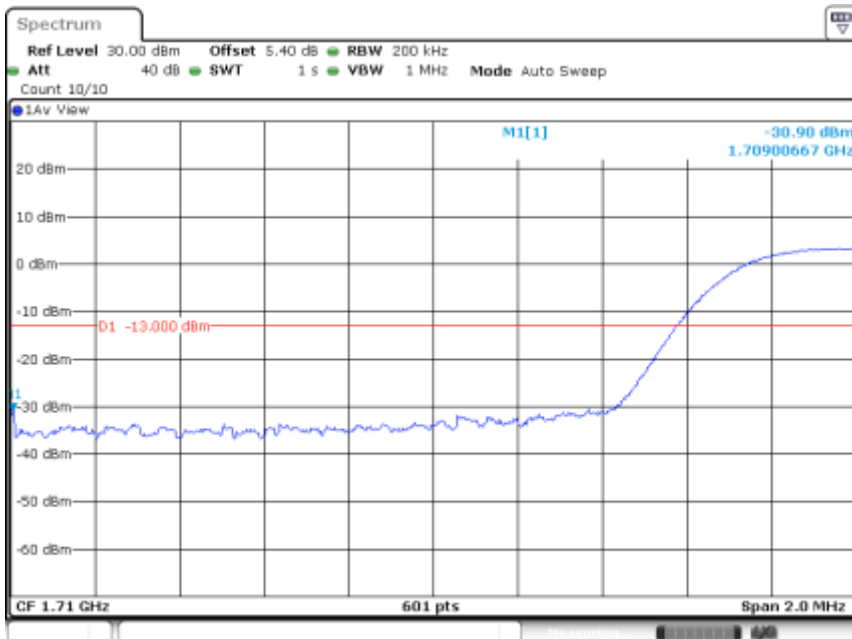
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

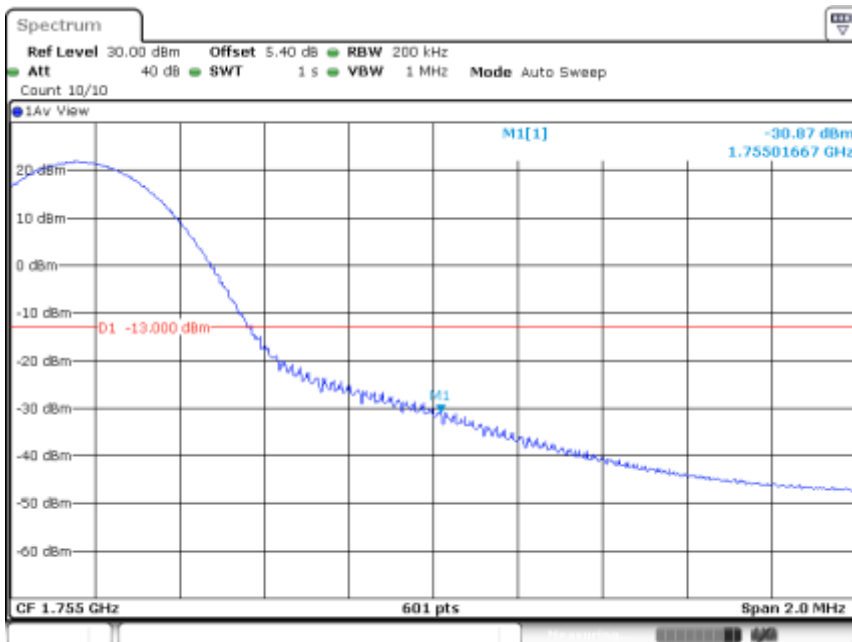
Member of the SGS Group (SGS SA)

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



Date: 15 SEP.2020 09:12:49

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



Date: 14 SEP.2020 23:52:30

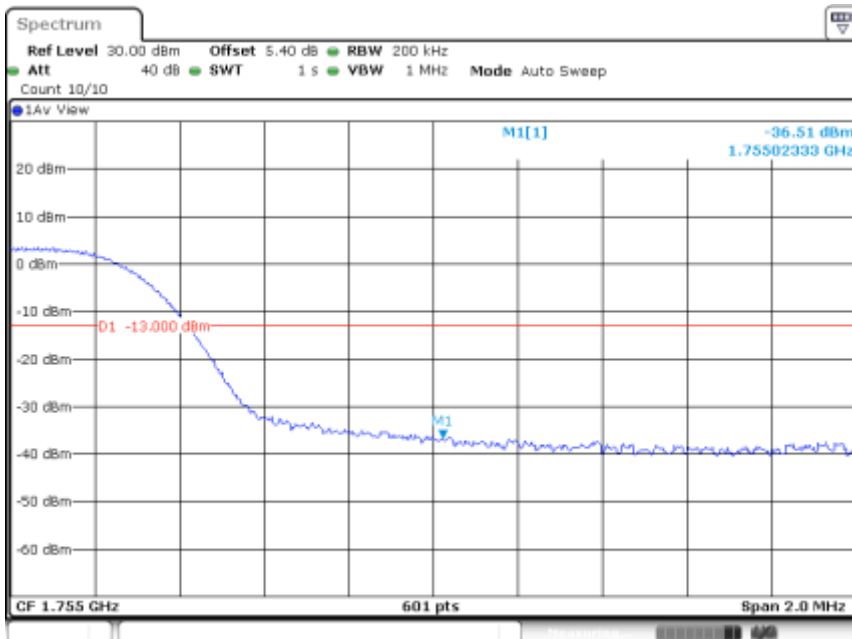


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

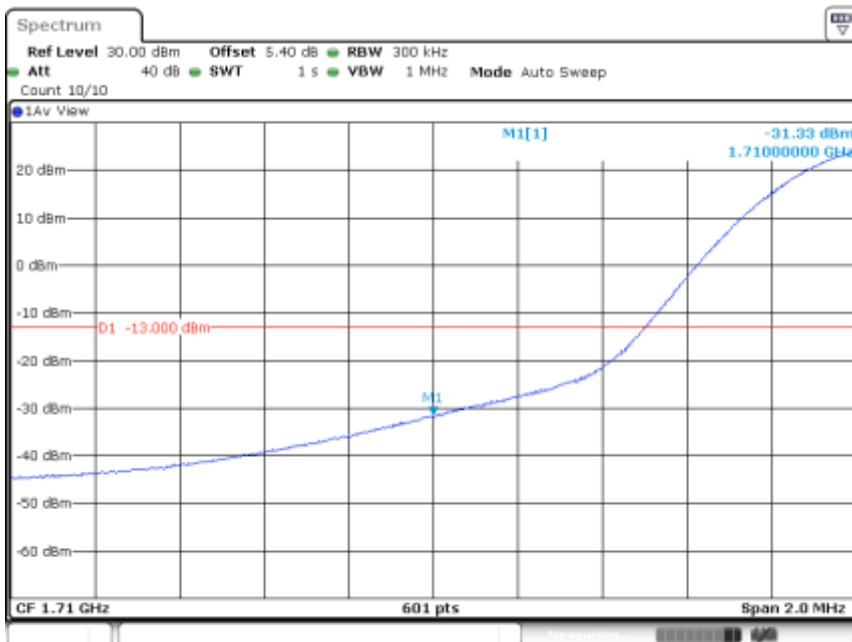
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 23:52:54

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



Date: 14 SEP.2020 22:19:23

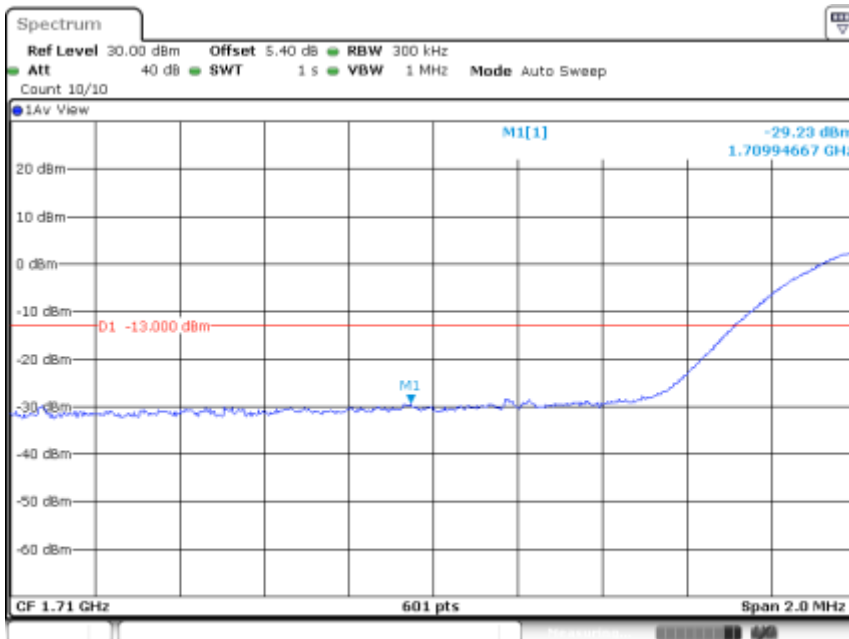


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

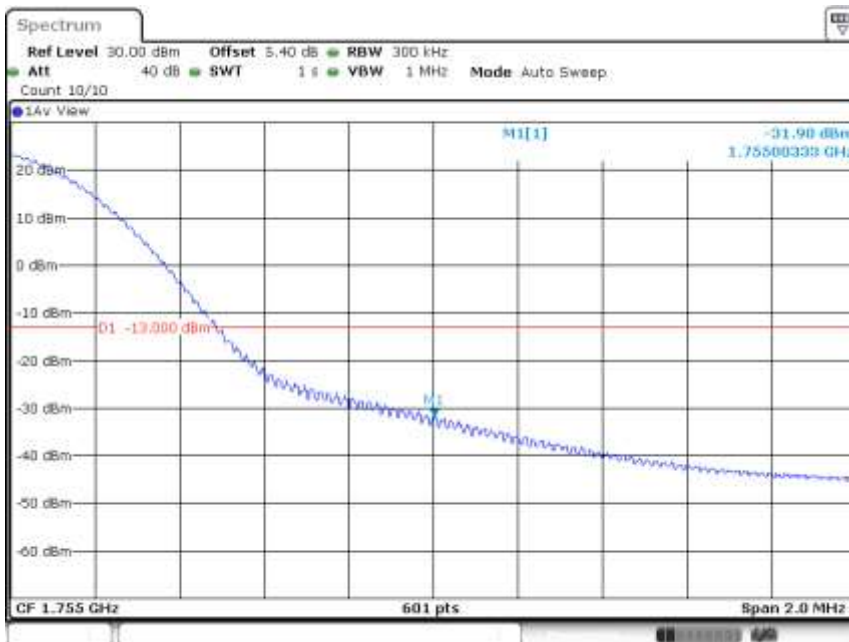
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:20:10

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



Date: 14 SEP.2020 22:21:05



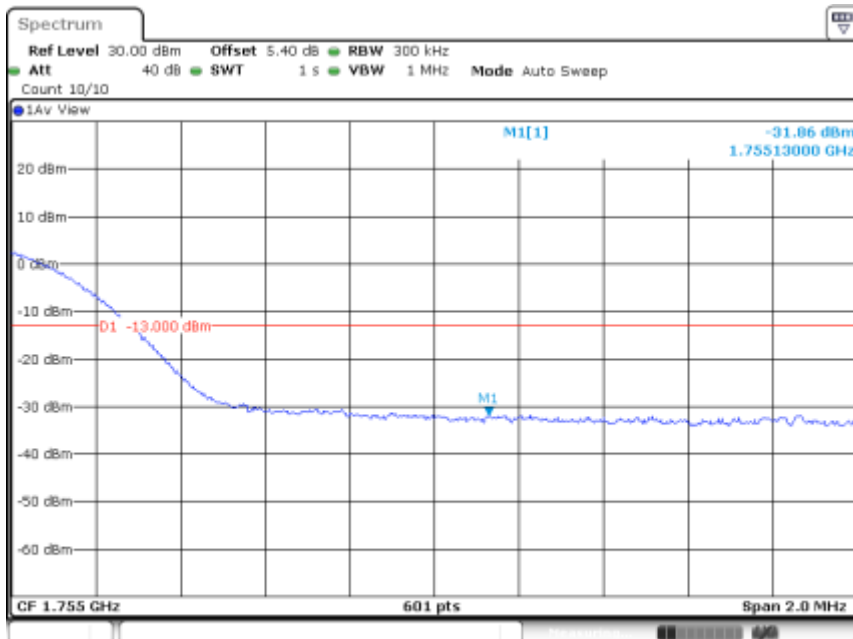
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

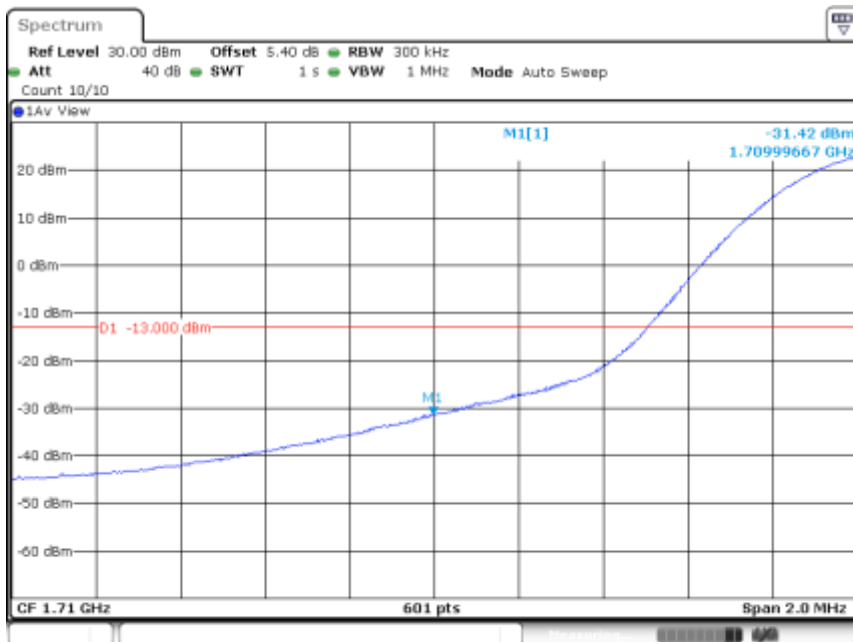
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:21:52

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



Date: 14 SEP.2020 22:19:46



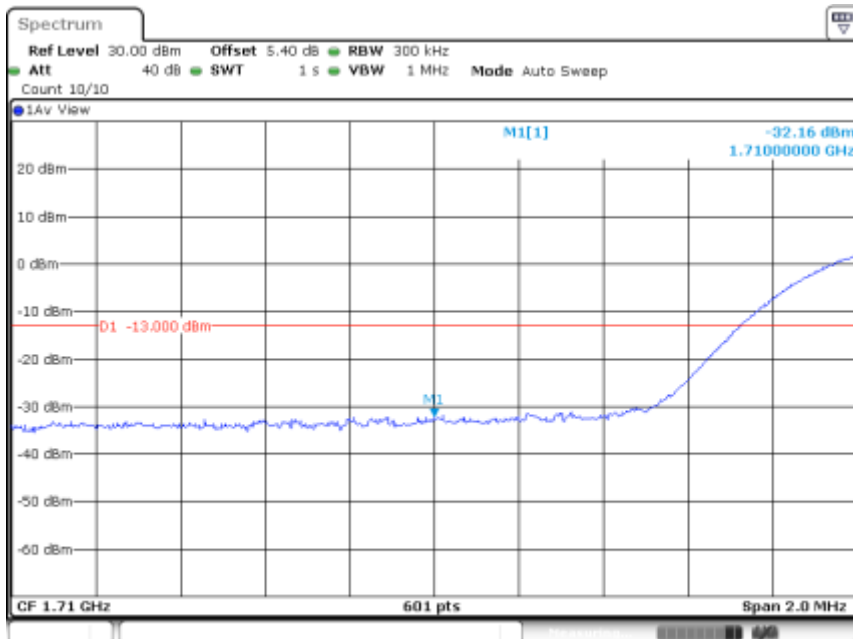
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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

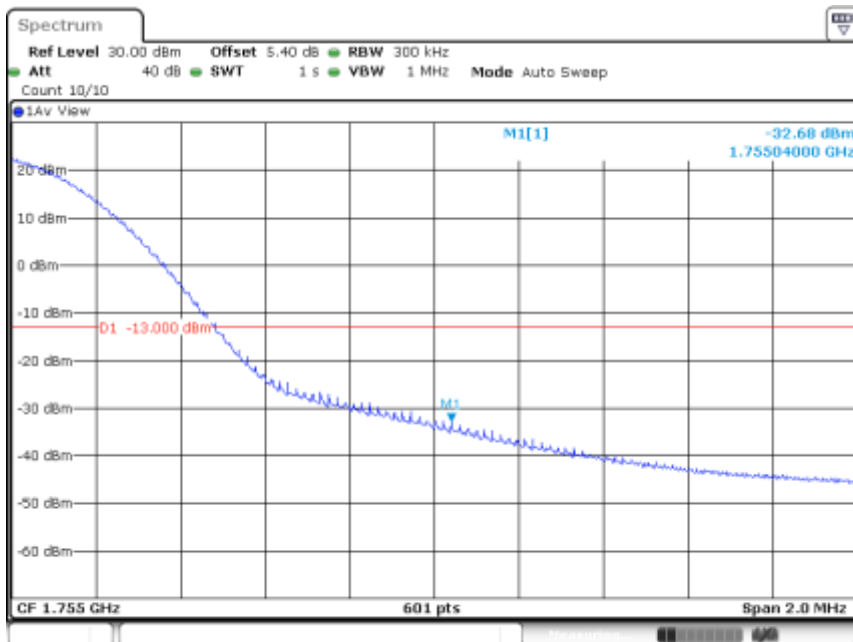
Member of the SGS Group (SGS SA)

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



Date: 14 SEP.2020 22:20:34

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



Date: 14 SEP.2020 22:21:28

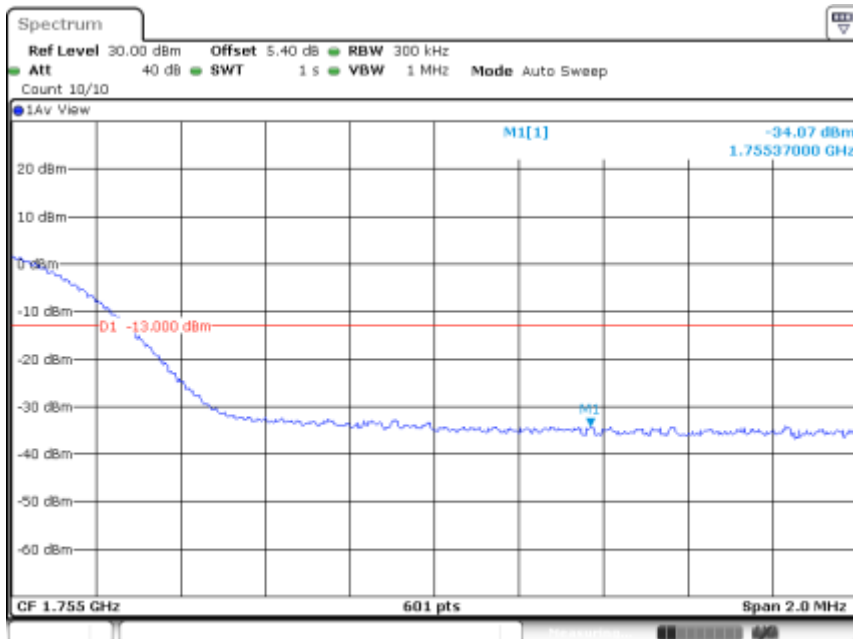


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

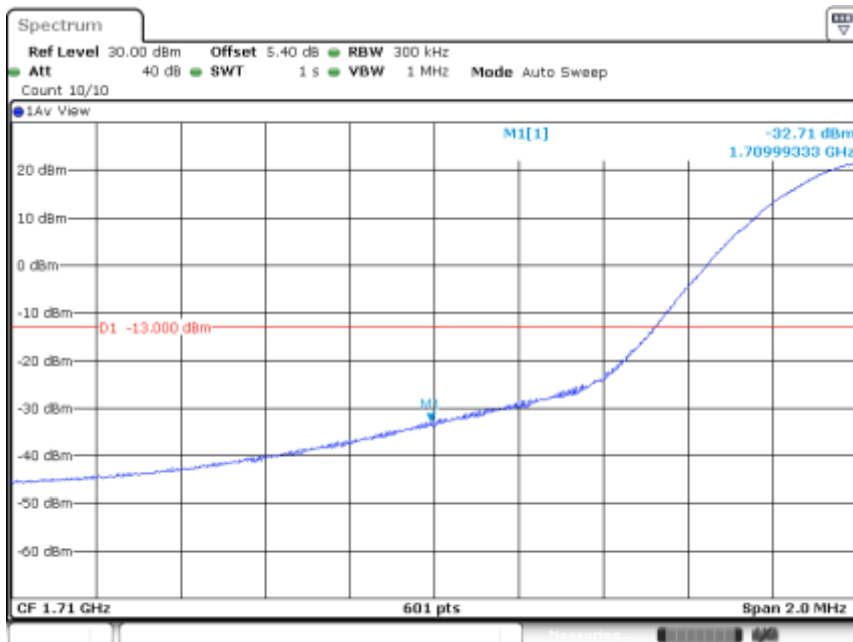
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 22:22:15

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



Date: 14 SEP.2020 23:53:25

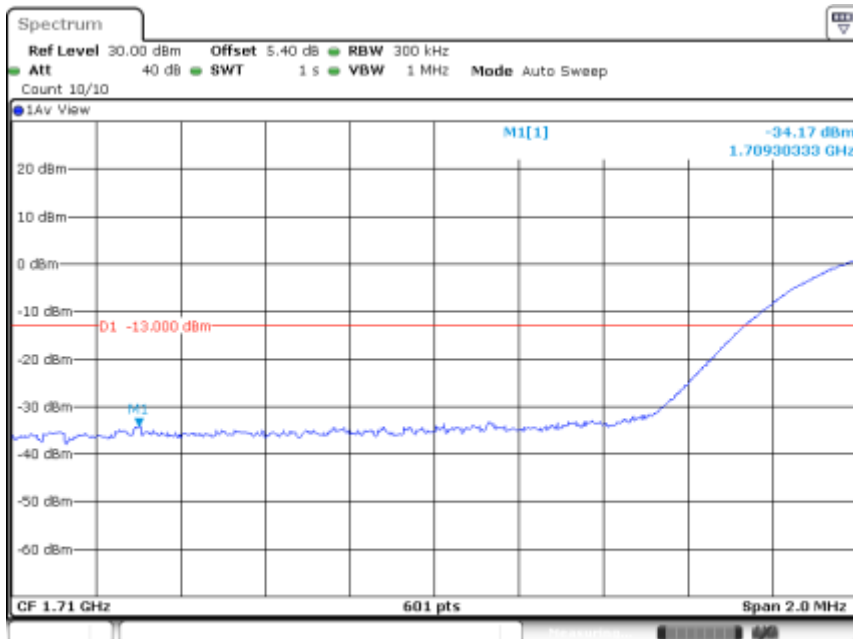


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

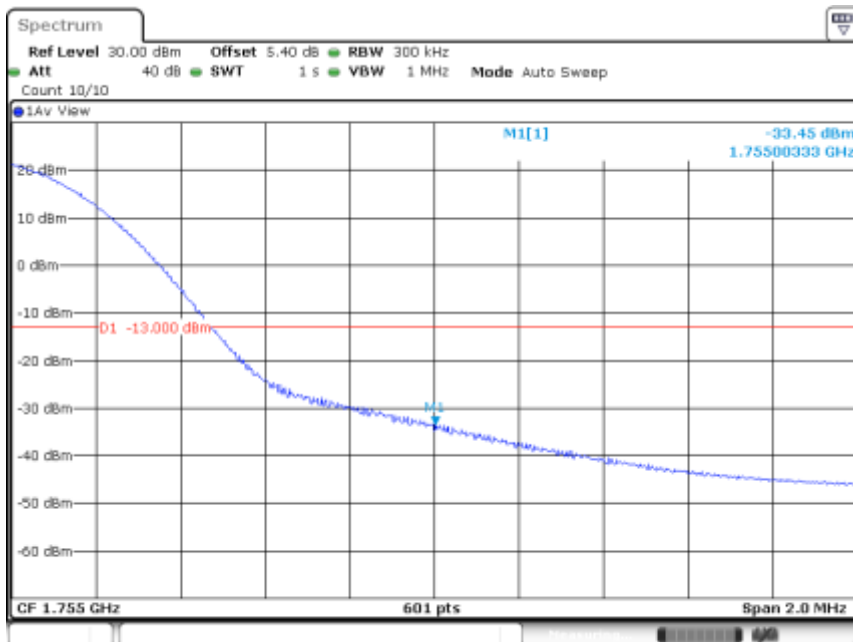
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP.2020 23:53:49

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



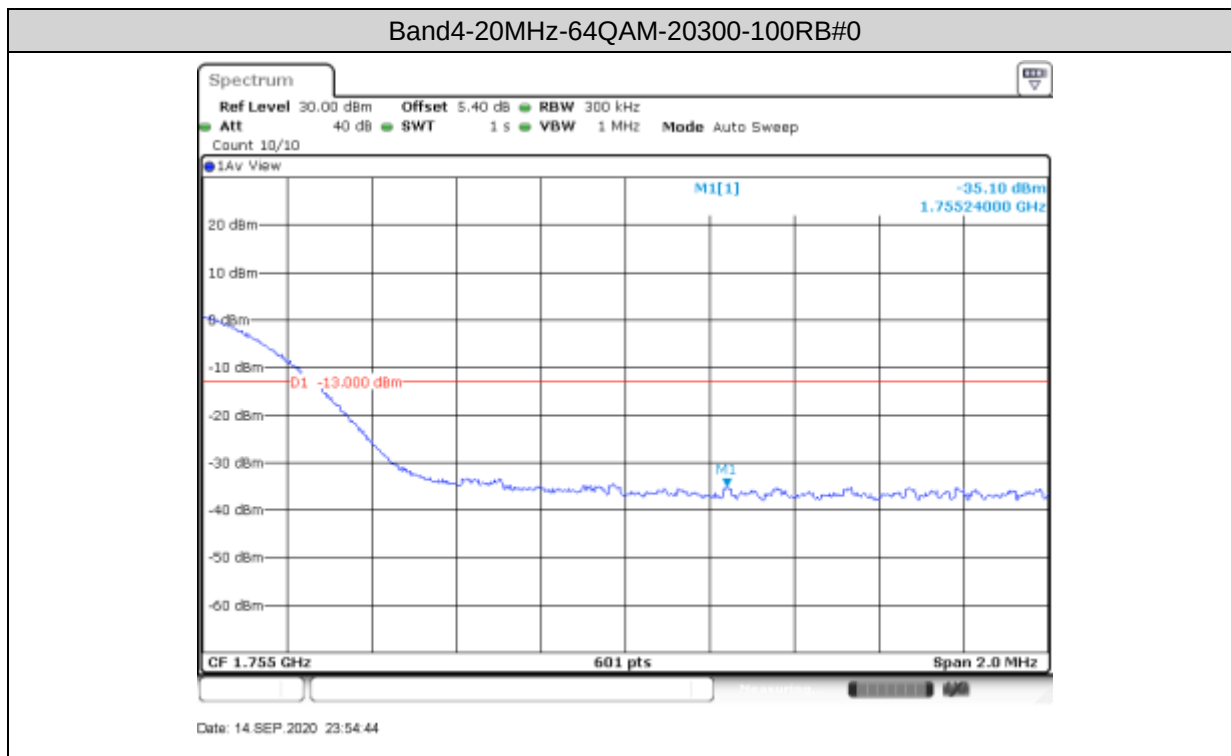
Date: 14 SEP.2020 23:54:20



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

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



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

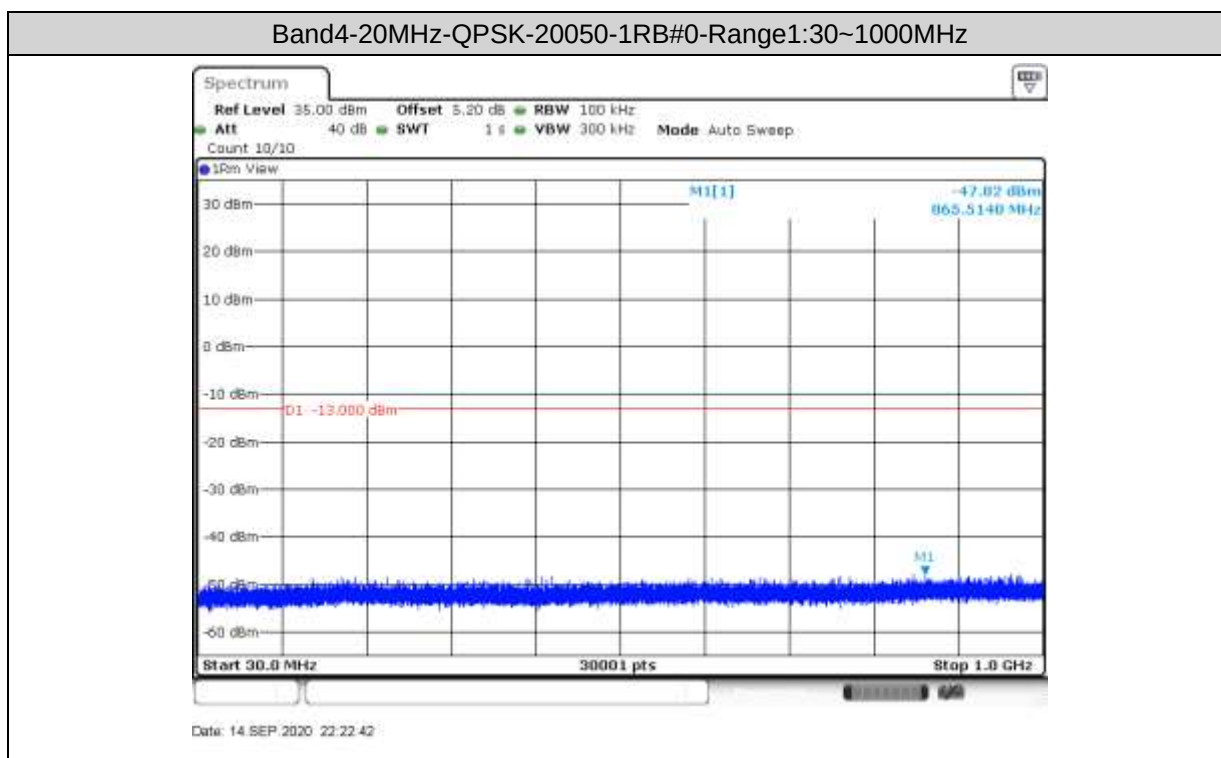
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

6 Spurious Emission at Antenna Terminal

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

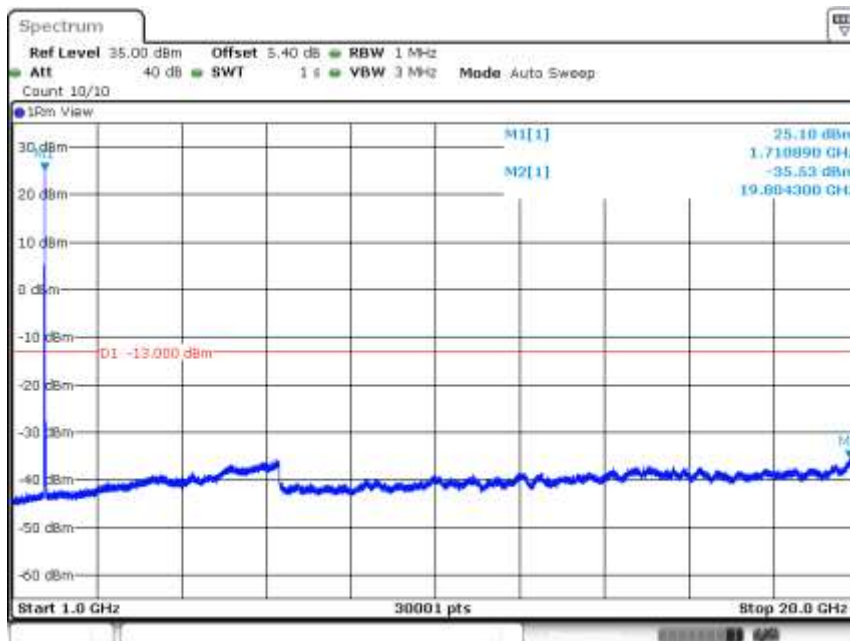


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

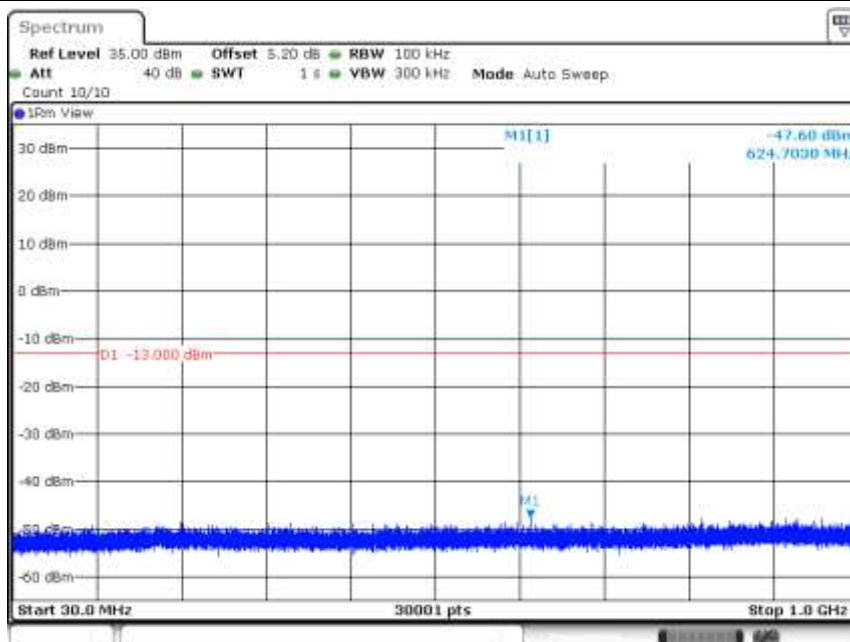
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP. 2020 22:22:59

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



Date: 14 SEP. 2020 22:24:00

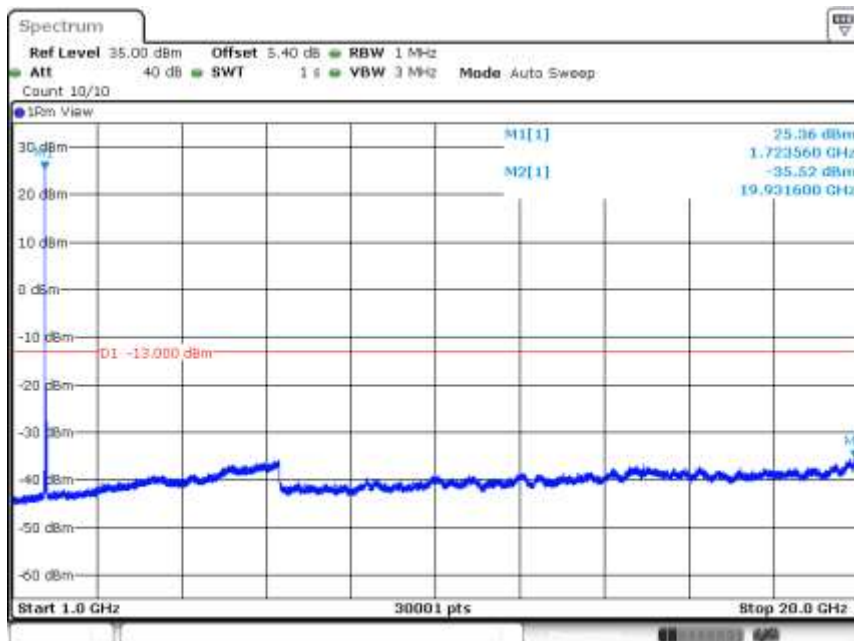


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

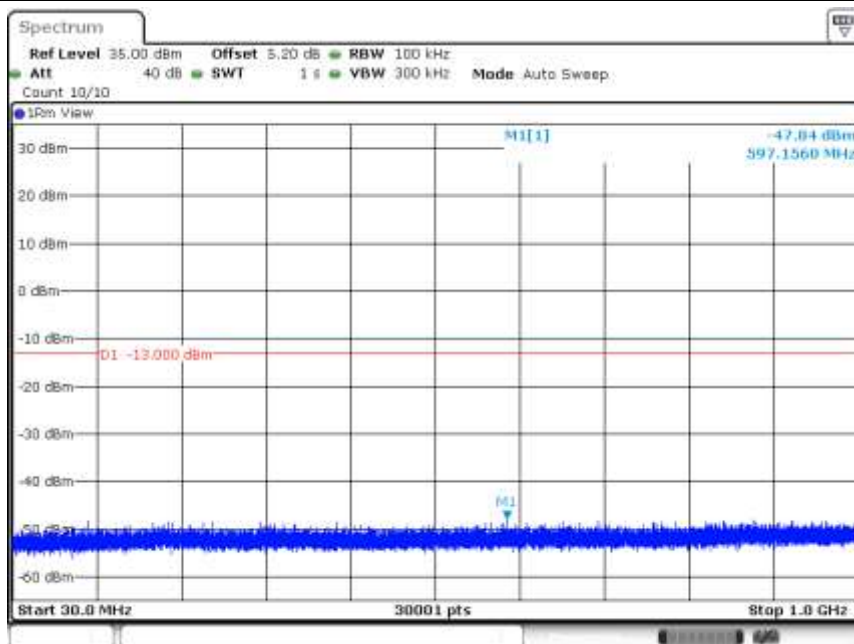
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP 2020 22:24:17

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



Date: 14 SEP 2020 22:25:18

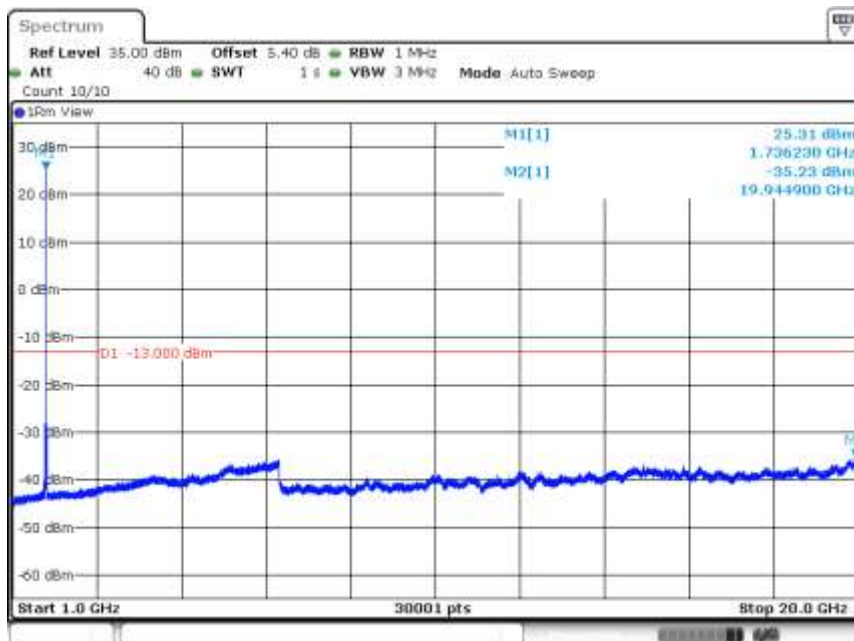


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 their obligations under applicable law. The Company's intervention is not intended to provide legal advice, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) is/are retained for 30 days only.

For analysis of testing / inspection reports, certificate, price, contact us at telephone: (+6-755) 8307 1443,
at email: CN@sgs.com.sg or sgs.com.sg

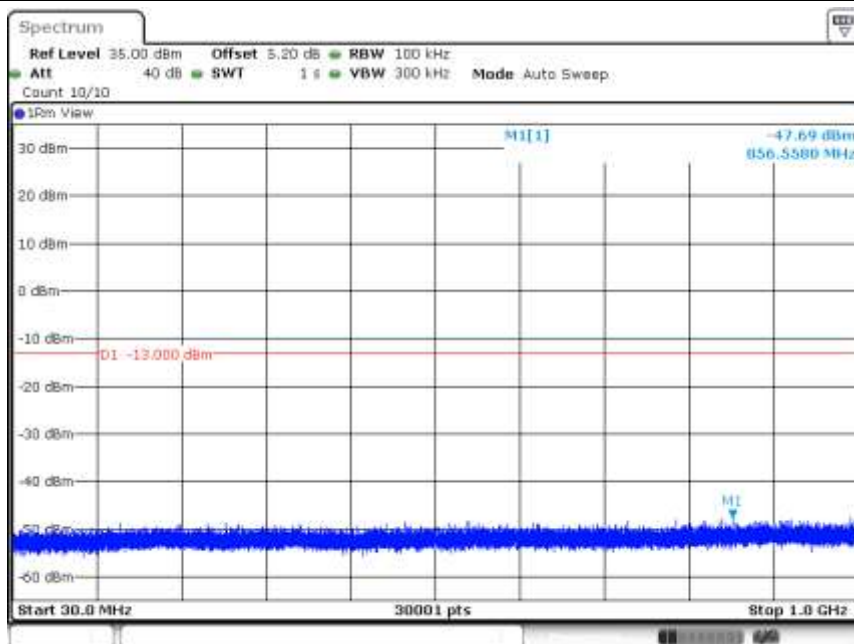
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518067 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518067 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP. 2020 22:25:35

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



Date: 14 SEP. 2020 22:23:21



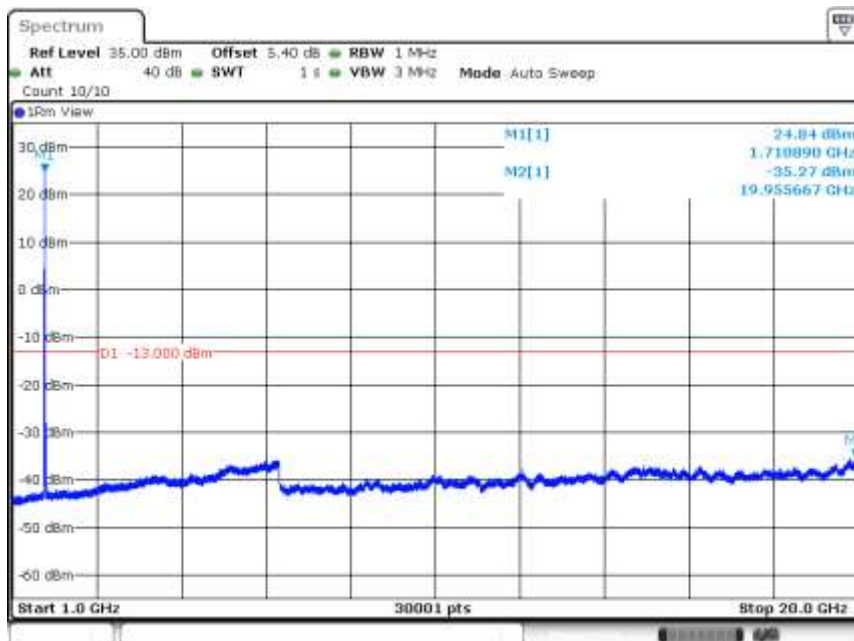
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

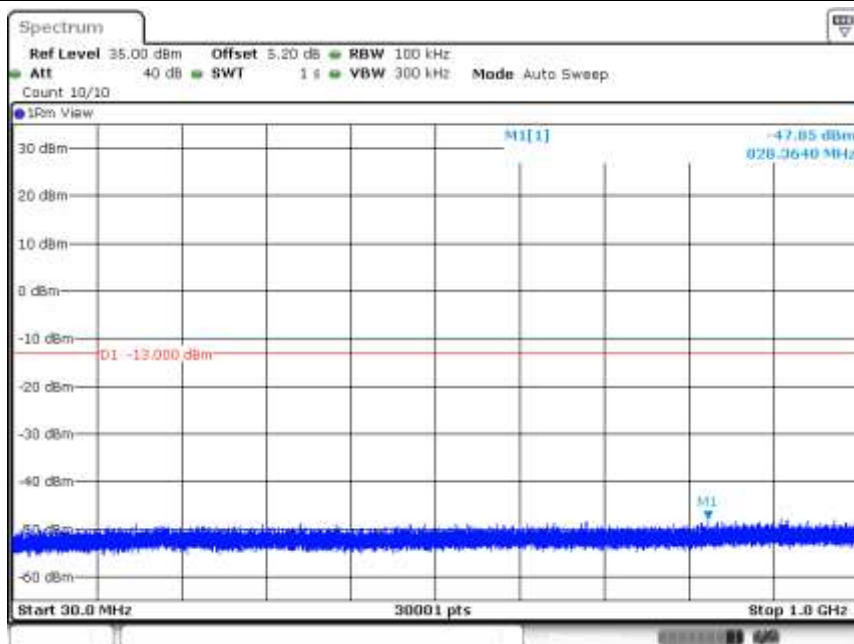
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

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



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



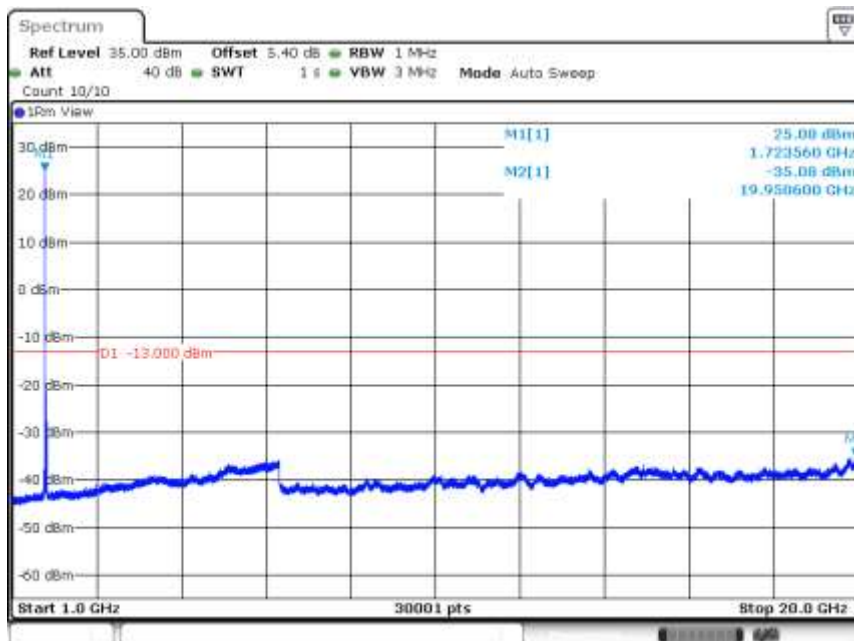
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 8207 1443, or email: CN.Doccheck@sgs.com

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

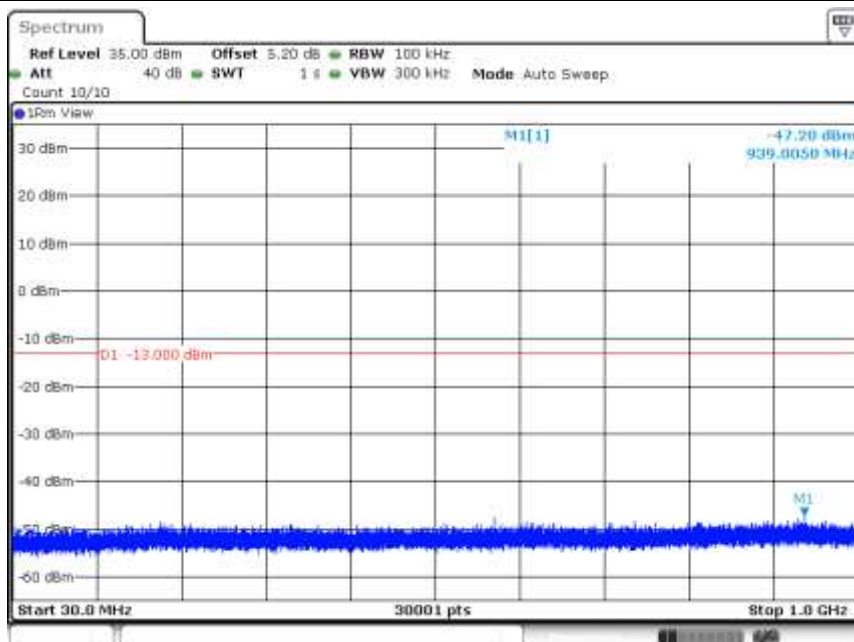
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP. 2020 22:24:56

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



Date: 14 SEP. 2020 22:25:57

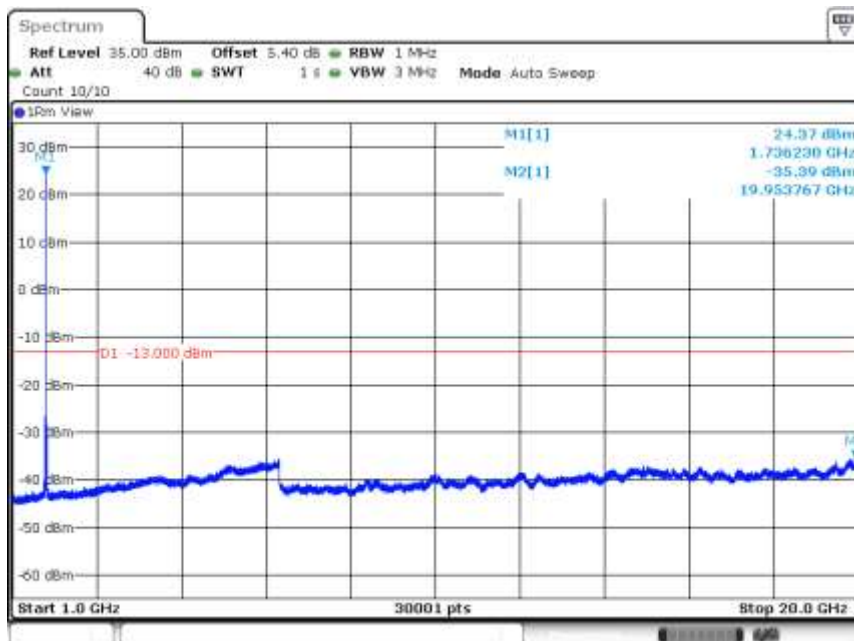


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, China, P.R.C. Laboratory

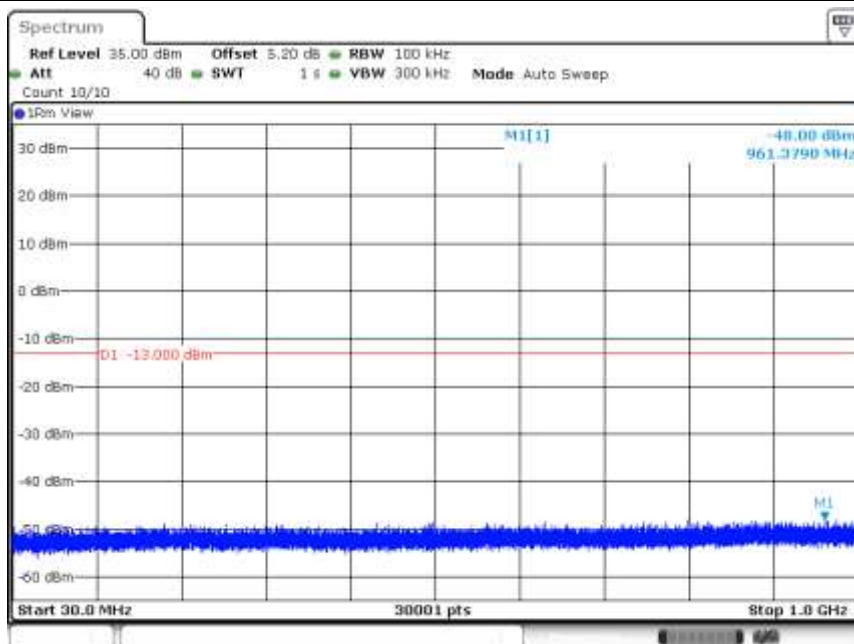
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP. 2020 22:26:14

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



Date: 14 SEP. 2020 23:55:11

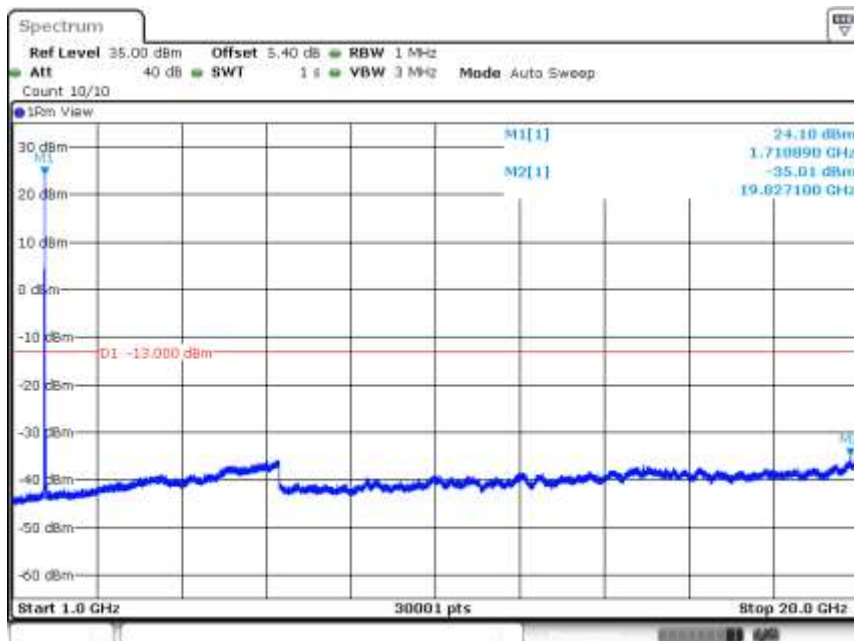


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

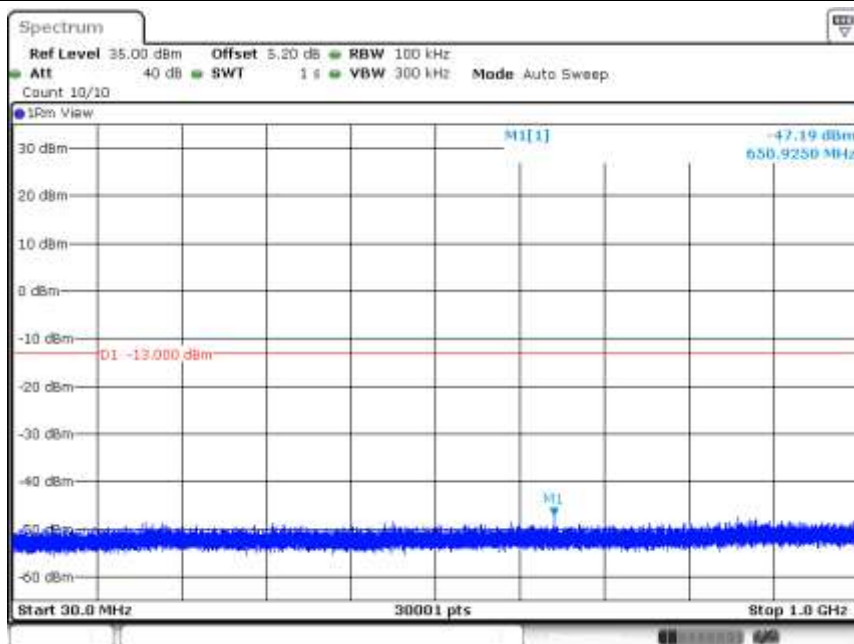
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP 2020 23:55:28

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



Date: 14 SEP 2020 23:55:50

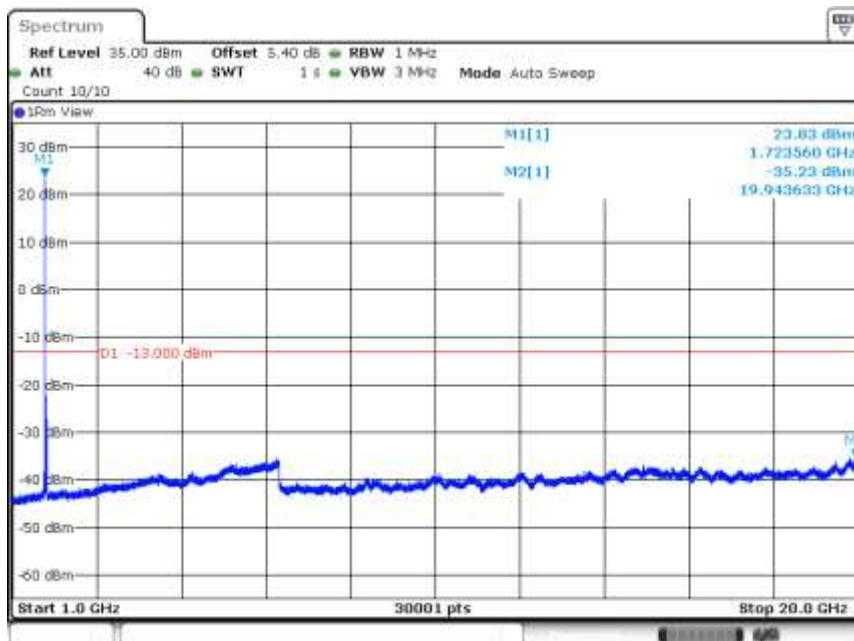


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>, and for electronic format documents subject to Terms and Conditions for Electronic 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 their obligations under applicable law. The Company's intervention is not intended to provide legal advice, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) is/are retained for 30 days only.

For analysis or testing / inspection reports, certificate, price, contact us at telephone: (+6-755) 8307 1443,
at email: CN@sgschem.com

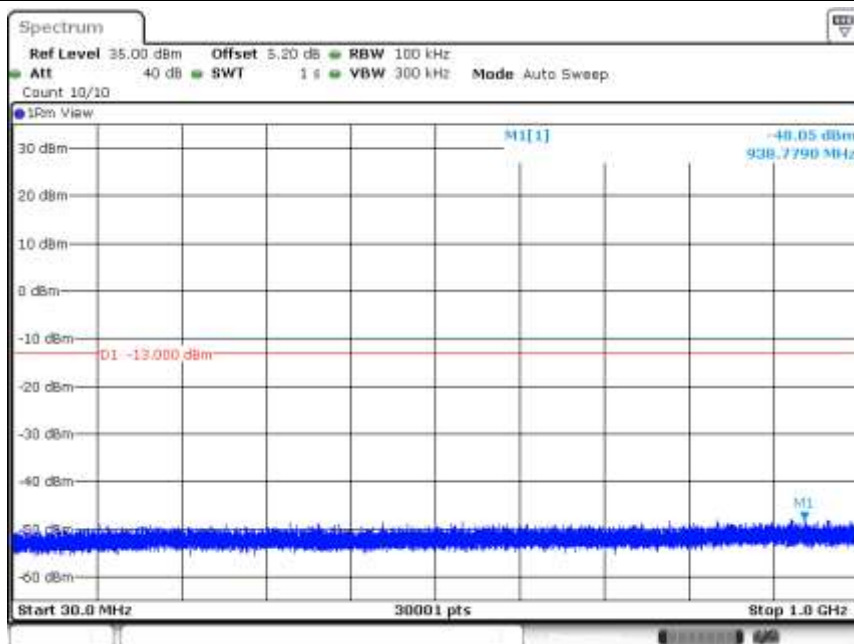
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518067 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518067 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP 2020 23:56:07

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



Date: 14 SEP 2020 23:56:29

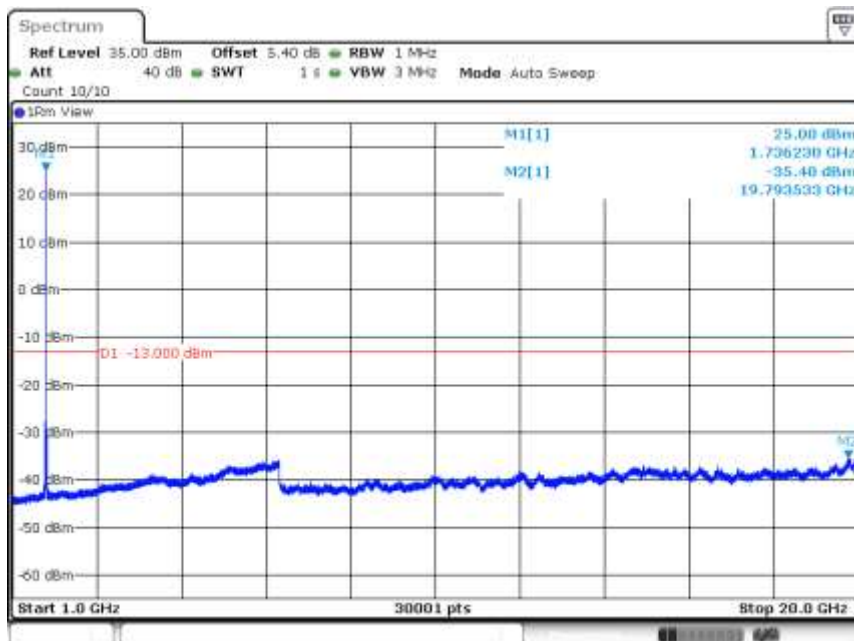


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>, and for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 their obligations under applicable law. The Company's intervention is not intended to provide legal advice, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) is/are retained for 30 days only.

For analysis or testing / inspection reports, certificate, price, contact us at telephone: (+6-755) 8307 1443,
at email: CN@sgs.com.sg or sgs.com.sg

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518067 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518067 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 SEP. 2020 23:58:46



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8207 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区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 20MHz(Ant1)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.4381	-72.89	-13.00	59.89	Vertical
109.6410	-65.24	-13.00	52.24	Vertical
457.1609	-67.33	-13.00	54.33	Vertical
4525.0508	-61.65	-13.00	48.65	Vertical
7968.6656	-55.78	-13.00	42.78	Vertical
17994.4998	-40.11	-13.00	27.11	Vertical
42.6591	-64.57	-13.00	51.57	Horizontal
102.0261	-75.93	-13.00	62.93	Horizontal
241.9071	-67.60	-13.00	54.60	Horizontal
3422.0141	-59.46	-13.00	46.46	Horizontal
7455.1485	-56.44	-13.00	43.44	Horizontal
16387.9463	-43.52	-13.00	30.52	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.1513	-73.12	-13.00	60.12	Vertical
110.2715	-65.65	-13.00	52.65	Vertical
451.0496	-67.58	-13.00	54.58	Vertical
3447.0149	-61.89	-13.00	48.89	Vertical
7381.1460	-56.05	-13.00	43.05	Vertical
17997.9999	-40.35	-13.00	27.35	Vertical
42.9501	-64.07	-13.00	51.07	Horizontal
110.9020	-76.03	-13.00	63.03	Horizontal
244.6232	-68.47	-13.00	55.47	Horizontal
3447.0149	-57.59	-13.00	44.59	Horizontal
7479.6493	-56.14	-13.00	43.14	Horizontal
16396.4465	-43.61	-13.00	30.61	Horizontal



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

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



7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.0201	-70.07	-13.00	57.07	Vertical
109.2530	-65.04	-13.00	52.04	Vertical
616.6368	-64.37	-13.00	51.37	Vertical
3472.0157	-61.45	-13.00	48.45	Vertical
7460.1487	-55.67	-13.00	42.67	Vertical
17998.5000	-40.31	-13.00	27.31	Vertical
42.0771	-64.57	-13.00	51.57	Horizontal
108.0404	-76.22	-13.00	63.22	Horizontal
240.8885	-68.92	-13.00	55.92	Horizontal
3472.0157	-58.15	-13.00	45.15	Horizontal
7483.6495	-55.59	-13.00	42.59	Horizontal
16390.4463	-43.70	-13.00	30.70	Horizontal

7.2 Test Mode = LTE/TM1 20MHz(Ant2)

7.2.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.7946	-75.09	-13.00	62.09	Vertical
111.7266	-64.96	-13.00	51.96	Vertical
438.2934	-67.35	-13.00	54.35	Vertical
3734.0245	-62.07	-13.00	49.07	Vertical
7448.6483	-55.69	-13.00	42.69	Vertical
17999.5000	-39.85	-13.00	26.85	Vertical
44.5992	-64.40	-13.00	51.40	Horizontal
96.5938	-76.27	-13.00	63.27	Horizontal
230.6060	-68.32	-13.00	55.32	Horizontal
3615.0205	-61.00	-13.00	48.00	Horizontal
8029.1676	-56.27	-13.00	43.27	Horizontal
16376.9459	-43.41	-13.00	30.41	Horizontal



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

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

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



7.2.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.2425	-74.94	-13.00	61.94	Vertical
112.8421	-64.92	-13.00	51.92	Vertical
602.7166	-63.65	-13.00	50.65	Vertical
5171.0724	-59.28	-13.00	46.28	Vertical
7351.6451	-55.81	-13.00	42.81	Vertical
17996.4999	-39.99	-13.00	26.99	Vertical
44.7932	-64.39	-13.00	51.39	Horizontal
231.1881	-68.20	-13.00	55.20	Horizontal
503.8687	-65.37	-13.00	52.37	Horizontal
5170.5724	-60.34	-13.00	47.34	Horizontal
9346.7116	-52.75	-13.00	39.75	Horizontal
16393.9465	-43.61	-13.00	30.61	Horizontal

7.2.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.1455	-75.78	-13.00	62.78	Vertical
109.5440	-65.00	-13.00	52.00	Vertical
391.7796	-68.29	-13.00	55.29	Vertical
5208.5736	-61.39	-13.00	48.39	Vertical
7422.1474	-55.78	-13.00	42.78	Vertical
17992.4998	-40.03	-13.00	27.03	Vertical
44.8417	-64.03	-13.00	51.03	Horizontal
238.5119	-68.13	-13.00	55.13	Horizontal
595.9748	-64.05	-13.00	51.05	Horizontal
3642.5214	-60.99	-13.00	47.99	Horizontal
7468.6490	-56.24	-13.00	43.24	Horizontal
16389.4463	-43.24	-13.00	30.24	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.





8 Frequency Stability

8.1 Frequency Vs Voltage

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	6.80	0.003953	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	12.10	0.007035	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	6.80	0.003953	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	8.90	0.005137	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	10.00	0.005772	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	5.30	0.003059	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	8.50	0.004871	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	4.80	0.002751	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	9.40	0.005387	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	13.20	0.007674	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	9.80	0.005698	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	13.60	0.007907	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	8.20	0.004733	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	9.00	0.005195	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	7.00	0.004040	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	10.20	0.005845	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	10.20	0.005845	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	7.30	0.004183	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	8.00	0.004651	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	8.10	0.004709	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	6.40	0.003721	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	7.60	0.004387	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	9.50	0.005483	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	6.30	0.003636	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	12.60	0.007221	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	9.70	0.005559	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	11.70	0.006705	±2.5	PASS

8.2 Frequency Vs Temperature

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



Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	9.30	0.005407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	5.10	0.002965	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	8.20	0.004767	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	4.80	0.002791	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	8.50	0.004942	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	9.10	0.005291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	6.70	0.003895	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	5.80	0.003372	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	9.00	0.005233	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	9.90	0.005714	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	9.00	0.005195	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	5.80	0.003348	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	2.60	0.001501	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	5.40	0.003117	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	5.50	0.003175	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	7.40	0.004271	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	6.10	0.003521	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	6.30	0.003636	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	4.20	0.002407	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	5.80	0.003324	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	3.60	0.002063	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	9.60	0.005501	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	3.80	0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	4.50	0.002579	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	5.90	0.003381	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	7.50	0.004298	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	10.20	0.005845	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	9.60	0.005581	±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	-10	12.90	0.007500	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	10.30	0.005988	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	7.70	0.004477	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	9.70	0.005640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	8.90	0.005174	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	7.70	0.004477	±2.5	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Openshock@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栋一号楼 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band4	20MHz	16QAM	20050	100RB#0	NV	50	10.10	0.005872	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	5.00	0.002886	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	4.50	0.002597	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	5.40	0.003117	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	2.30	0.001328	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	11.50	0.006638	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	8.40	0.004848	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	12.10	0.006984	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	7.70	0.004444	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	12.80	0.007388	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	5.60	0.003209	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	4.30	0.002464	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	5.90	0.003381	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	8.20	0.004699	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	4.60	0.002636	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	5.50	0.003152	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	9.90	0.005673	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	8.30	0.004756	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	7.20	0.004126	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	7.30	0.004244	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	8.60	0.005000	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	8.80	0.005116	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	11.70	0.006802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	9.60	0.005581	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	5.90	0.003430	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	6.20	0.003605	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	6.80	0.003953	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	5.50	0.003198	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	7.90	0.004560	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	5.70	0.003290	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	4.20	0.002424	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	7.70	0.004444	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	11.60	0.006696	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	8.30	0.004791	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	11.00	0.006349	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	7.20	0.004156	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	7.60	0.004387	±2.5	PASS



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

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



Band4	20MHz	64QAM	20300	100RB#0	NV	-30	14.60	0.008367	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	13.10	0.007507	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	10.30	0.005903	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	10.70	0.006132	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	10.30	0.005903	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	12.90	0.007393	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	9.10	0.005215	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	11.70	0.006705	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	8.10	0.004642	±2.5	PASS

The End



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

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

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