



Appendix B

E-UTRA Band 4



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

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



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	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
3.3.	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 Band = LTE_4 _TM1 ANT 2	110
7.1.1.	Test Channel = Low Channel	110
7.2.	Test Band = LTE_4 _TM1 ANT 2	111
7.2.1.	Test Channel = Low Channel	111
7.3.	Test Band = LTE_4 _TM1 ANT 2	112
7.3.1.	Test Channel = Mid Channel	112
7.4.	Test Band = LTE_4 _TM1 ANT 2	113
7.4.1.	Test Channel = Mid Channel	113
7.5.	Test Band = LTE_4 _TM1 ANT 2	114
7.5.1.	Test Channel = High Channel	114



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



7.6.	Test Band = LTE_4 _TM1 ANT 2	115
7.6.1.	Test Channel = High Channel	115
7.7.	Test Band = LTE_4 _TM1 ANT 3	116
7.7.1.	Test Channel = Low Channel	116
7.8.	Test Band = LTE_4 _TM1 ANT 3	117
7.8.1.	Test Channel = Low Channel	117
7.9.	Test Band = LTE_4 _TM1 ANT 3	118
7.9.1.	Test Channel = Mid Channel	118
7.10.	Test Band = LTE_4 _TM1 ANT 3	119
7.10.1.	Test Channel = Mid Channel	119
7.11.	Test Band = LTE_4 _TM1 ANT 3	120
7.11.1.	Test Channel = Mid Channel	120
7.12.	Test Band = LTE_4 _TM1 ANT 3	121
7.12.1.	Test Channel = Mid Channel	121
8.	FREQUENCY STABILITY	122
8.1.	FREQUENCY VS VOLTAGE	122
8.2.	FREQUENCY VS TEMPERATURE	123





1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT2:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.44	22.74	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.61	22.91	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.54	22.84	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.54	22.84	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.63	22.93	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.55	22.85	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.58	21.88	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.59	22.89	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.66	22.96	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.58	22.88	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.56	22.86	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.67	22.97	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.54	22.84	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.68	21.98	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.48	22.78	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.56	22.86	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.53	22.83	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.50	22.80	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.58	22.88	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.53	22.83	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.62	21.92	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	24.19	22.49	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.84	22.14	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	24.01	22.31	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	23.73	22.03	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	23.54	21.84	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.64	21.94	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.62	20.92	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.51	21.81	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.97	22.27	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.55	21.85	30.00	PASS



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

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

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



Band4	1.4MHz	16QAM	20175	3RB#0	23.57	21.87	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.62	21.92	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.66	21.96	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.61	20.91	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.64	21.94	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.91	22.21	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.68	21.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.70	22.00	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.58	21.88	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.57	21.87	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.71	21.01	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.69	20.99	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.66	20.96	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	22.58	20.88	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	22.71	21.01	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	22.56	20.86	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	22.67	20.97	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	21.78	20.08	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.58	20.88	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.70	21.00	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.64	20.94	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	22.66	20.96	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	22.60	20.90	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	22.59	20.89	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.82	20.12	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.57	20.87	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.56	20.86	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.71	21.01	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	22.60	20.90	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	22.61	20.91	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	22.69	20.99	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.90	20.20	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.52	22.82	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.58	22.88	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.63	22.93	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.74	22.04	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.71	22.01	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.70	22.00	30.00	PASS



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

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



Band4	3MHz	QPSK	19965	15RB#0	23.68	21.98	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.55	22.85	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.61	22.91	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.65	22.95	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.72	22.02	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.71	22.01	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.77	22.07	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.65	21.95	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.56	22.86	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.59	22.89	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.61	22.91	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.65	21.95	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.65	21.95	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	23.74	22.04	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.66	21.96	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.74	22.04	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	24.12	22.42	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.56	21.86	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.62	20.92	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.81	21.11	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.69	20.99	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.79	21.09	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	24.13	22.43	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	24.20	22.50	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	24.11	22.41	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.80	21.10	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.77	21.07	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.84	21.14	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.71	21.01	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.83	22.13	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.85	22.15	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.91	22.21	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.70	21.00	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.79	21.09	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.85	21.15	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.58	20.88	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.61	20.91	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.67	20.97	30.00	PASS



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

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



Band4	3MHz	64QAM	19965	1RB#14	22.56	20.86	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	21.72	20.02	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	21.88	20.18	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	21.92	20.22	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	21.85	20.15	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.68	20.98	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.64	20.94	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.70	21.00	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	21.73	20.03	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	21.80	20.10	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	21.77	20.07	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.73	20.03	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	22.73	21.03	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.60	20.90	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.66	20.96	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	21.89	20.19	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	21.82	20.12	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	21.69	19.99	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.83	20.13	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.49	22.79	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.75	23.05	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.63	22.93	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.74	22.04	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.77	22.07	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.77	22.07	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.73	22.03	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.75	23.05	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.63	22.93	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.79	23.09	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.67	21.97	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.74	22.04	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.79	22.09	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.69	21.99	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.48	22.78	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.68	22.98	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.58	22.88	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.62	21.92	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.71	22.01	30.00	PASS



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

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



Band4	5MHz	QPSK	20375	12RB#13	23.70	22.00	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.68	21.98	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.72	22.02	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	24.23	22.53	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.85	22.15	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	22.67	20.97	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.80	21.10	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.75	21.05	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.69	20.99	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.86	22.16	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	24.00	22.30	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.91	22.21	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.71	21.01	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.75	21.05	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.82	21.12	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.78	21.08	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	24.19	22.49	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.70	22.00	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.96	22.26	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.66	20.96	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.81	21.11	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.78	21.08	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.78	21.08	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.61	20.91	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.60	20.90	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.70	21.00	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	21.86	20.16	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	21.83	20.13	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	21.86	20.16	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.85	20.15	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.58	20.88	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.62	20.92	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.69	20.99	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	21.75	20.05	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	21.72	20.02	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	21.93	20.23	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	21.67	19.97	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.65	20.95	30.00	PASS



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

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



Band4	5MHz	64QAM	20375	1RB#12	22.63	20.93	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.62	20.92	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	21.71	20.01	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	21.86	20.16	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	21.87	20.17	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.74	20.04	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.40	22.70	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.69	22.99	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.72	23.02	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.63	21.93	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.79	22.09	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.75	22.05	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.78	22.08	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.65	22.95	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.66	22.96	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.55	22.85	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.73	22.03	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.74	22.04	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.72	22.02	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.71	22.01	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.75	23.05	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.61	22.91	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.63	22.93	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.65	21.95	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.72	22.02	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.76	22.06	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.78	22.08	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.80	22.10	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	24.19	22.49	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	24.27	22.57	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.76	21.06	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.71	21.01	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.78	21.08	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.75	21.05	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.80	22.10	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	24.12	22.42	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	24.25	22.55	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.73	21.03	30.00	PASS



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

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

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



Band4	10MHz	16QAM	20175	25RB#12	22.70	21.00	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.84	21.14	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.72	21.02	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	24.36	22.66	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	24.30	22.60	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.92	22.22	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.69	20.99	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.66	20.96	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.86	21.16	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.67	20.97	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.66	20.96	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.65	20.95	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.70	21.00	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	21.66	19.96	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	21.70	20.00	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	21.78	20.08	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.66	19.96	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.73	21.03	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.56	20.86	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.68	20.98	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	21.91	20.21	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	21.70	20.00	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	21.88	20.18	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.90	20.20	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.73	21.03	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.63	20.93	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.70	21.00	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	21.81	20.11	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	21.71	20.01	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	21.89	20.19	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.90	20.20	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.67	22.97	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.53	22.83	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.63	22.93	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.70	22.00	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	23.73	22.03	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.63	21.93	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.76	22.06	30.00	PASS



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

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



Band4	15MHz	QPSK	20175	1RB#0	24.67	22.97	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.60	22.90	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.59	22.89	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.74	22.04	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.74	22.04	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.73	22.03	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.67	21.97	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.74	23.04	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.61	22.91	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.59	22.89	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.75	22.05	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	23.82	22.12	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	23.66	21.96	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.79	22.09	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	24.10	22.40	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.80	22.10	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.78	22.08	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.72	21.02	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.79	21.09	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.64	20.94	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.85	21.15	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	24.05	22.35	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.79	22.09	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.90	22.20	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.81	21.11	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.68	20.98	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.76	21.06	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.70	21.00	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	24.06	22.36	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.91	22.21	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.71	22.01	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.76	21.06	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.70	21.00	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.70	21.00	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.85	21.15	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.56	20.86	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.61	20.91	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	22.64	20.94	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 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	38RB#0	21.88	20.18	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	21.87	20.17	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	21.73	20.03	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	21.71	20.01	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.64	20.94	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.68	20.98	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.60	20.90	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	21.93	20.23	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	21.70	20.00	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	21.78	20.08	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.93	20.23	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.61	20.91	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.57	20.87	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.60	20.90	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	21.70	20.00	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	21.91	20.21	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	21.67	19.97	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.89	20.19	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.66	22.96	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.55	22.85	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.58	22.88	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.69	21.99	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.78	22.08	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.70	22.00	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.74	22.04	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.62	22.92	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.56	22.86	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.61	22.91	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.81	22.11	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.85	22.15	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.68	21.98	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.68	21.98	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.69	22.99	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.62	22.92	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.57	22.87	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.67	21.97	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.59	21.89	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.65	21.95	30.00	PASS



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

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



Band4	20MHz	QPSK	20300	100RB#0	23.78	22.08	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	24.23	22.53	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.91	22.21	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	24.21	22.51	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.86	21.16	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.79	21.09	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.64	20.94	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.80	21.10	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	24.47	22.77	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.75	22.05	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	24.05	22.35	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.86	21.16	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.68	20.98	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.81	21.11	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.81	21.11	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	24.12	22.42	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.86	22.16	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.81	22.11	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.86	21.16	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.79	21.09	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.68	20.98	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.71	21.01	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.66	20.96	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.67	20.97	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.71	21.01	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	21.74	20.04	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	21.73	20.03	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.74	20.04	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.72	20.02	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.71	21.01	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.61	20.91	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	22.57	20.87	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	21.75	20.05	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	21.83	20.13	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	21.82	20.12	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.74	20.04	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.60	20.90	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.64	20.94	30.00	PASS



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

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



Band4	20MHz	64QAM	20300	1RB#99	22.69	20.99	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	21.84	20.14	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.71	20.01	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	21.83	20.13	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.70	20.00	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



ANT5:

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.38	20.78	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.42	20.82	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.42	20.82	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.34	20.74	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.39	20.79	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.37	20.77	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.50	19.90	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.38	20.78	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.55	20.95	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.43	20.83	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.44	20.84	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.48	20.88	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.42	20.82	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.42	19.82	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.36	20.76	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.42	20.82	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.35	20.75	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.40	20.80	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.44	20.84	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.47	20.87	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.42	19.82	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.69	20.09	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.34	19.74	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.63	20.03	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.43	19.83	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.50	19.90	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.36	19.76	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.53	18.93	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.61	20.01	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.24	19.64	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.60	20.00	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.59	19.99	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.54	19.94	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.60	20.00	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.56	18.96	30.00	PASS



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

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



Band4	1.4MHz	16QAM	20393	1RB#0	21.47	19.87	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.74	20.14	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.43	19.83	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.63	20.03	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.44	19.84	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.51	19.91	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.50	18.90	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.34	18.74	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.36	18.76	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.35	18.75	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.49	18.89	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.42	18.82	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.33	18.73	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.44	17.84	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.47	18.87	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.35	18.75	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.42	18.82	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.44	18.84	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.39	18.79	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.31	18.71	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.43	17.83	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.40	18.80	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.35	18.75	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.43	18.83	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.40	18.80	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.37	18.77	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.39	18.79	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.33	17.73	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.45	20.85	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.50	20.90	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.47	20.87	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.51	19.91	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.60	20.00	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.52	19.92	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.50	19.90	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.50	20.90	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.70	21.10	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.58	20.98	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	3MHz	QPSK	20175	8RB#0	21.47	19.87	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.49	19.89	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.57	19.97	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.53	19.93	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.38	20.78	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.58	20.98	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.47	20.87	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.45	19.85	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.53	19.93	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.55	19.95	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.51	19.91	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.45	19.85	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.27	19.67	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.60	20.00	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.62	19.02	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.60	19.00	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.60	19.00	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.60	19.00	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.56	19.96	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.59	19.99	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.60	20.00	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.54	18.94	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.63	19.03	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.59	18.99	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.51	18.91	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.17	19.57	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.58	19.98	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.23	19.63	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.60	19.00	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.71	19.11	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.57	18.97	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.52	18.92	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.39	18.79	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.35	18.75	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.35	18.75	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	19.39	17.79	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	19.40	17.80	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	19.58	17.98	30.00	PASS



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

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



Band4	3MHz	64QAM	19965	15RB#0	19.53	17.93	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.33	18.73	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.33	18.73	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.50	18.90	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	19.39	17.79	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	19.38	17.78	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	19.60	18.00	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.44	17.84	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.32	18.72	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.42	18.82	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.40	18.80	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	19.32	17.72	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	19.50	17.90	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	19.40	17.80	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.60	18.00	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.41	20.81	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.57	20.97	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.53	20.93	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.60	20.00	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.64	20.04	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.62	20.02	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.57	19.97	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.51	20.91	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.59	20.99	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.46	20.86	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.53	19.93	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.58	19.98	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.66	20.06	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.53	19.93	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.40	20.80	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.48	20.88	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.56	20.96	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.53	19.93	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.65	20.05	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.58	19.98	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.61	20.01	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.46	19.86	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.29	19.69	30.00	PASS



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

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



Band4	5MHz	16QAM	19975	1RB#24	21.60	20.00	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.64	19.04	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.68	19.08	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.63	19.03	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.57	18.97	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.33	19.73	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.69	20.09	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.36	19.76	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.53	18.93	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.59	18.99	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.71	19.11	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.49	18.89	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.32	19.72	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.65	20.05	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.55	19.95	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.54	18.94	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.63	19.03	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.59	18.99	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.64	19.04	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.43	18.83	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.31	18.71	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.37	18.77	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	19.40	17.80	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.47	17.87	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.58	17.98	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.34	17.74	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.35	18.75	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.43	18.83	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.46	18.86	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	19.31	17.71	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	19.40	17.80	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	19.43	17.83	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.49	17.89	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.34	18.74	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.50	18.90	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.49	18.89	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	19.50	17.90	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.59	17.99	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 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	19.42	17.82	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.42	17.82	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.29	20.69	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.39	20.79	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.40	20.80	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.51	19.91	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.54	19.94	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.58	19.98	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.59	19.99	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.42	20.82	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.35	20.75	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.38	20.78	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.47	19.87	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.61	20.01	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.62	20.02	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.62	20.02	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.56	20.96	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.42	20.82	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.40	20.80	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.47	19.87	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.47	19.87	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.57	19.97	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.48	19.88	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.92	19.32	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.50	19.90	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.36	19.76	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.51	18.91	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.71	19.11	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.52	18.92	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.55	18.95	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.44	19.84	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.25	19.65	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.28	19.68	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.55	18.95	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.56	18.96	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.72	19.12	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.58	18.98	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.35	19.75	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 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	21.01	19.41	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.63	20.03	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.66	19.06	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.60	19.00	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.74	19.14	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.53	18.93	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.44	18.84	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.49	18.89	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.41	18.81	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	19.32	17.72	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.52	17.92	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.60	18.00	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.45	17.85	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.37	18.77	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.49	18.89	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.44	18.84	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	19.54	17.94	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.55	17.95	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.36	17.76	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.44	17.84	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.34	18.74	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.40	18.80	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.50	18.90	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	19.32	17.72	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	19.42	17.82	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	19.45	17.85	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.44	17.84	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.33	20.73	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.31	20.71	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.27	20.67	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.63	20.03	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.55	19.95	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.49	19.89	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.61	20.01	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.58	20.98	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.38	20.78	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.41	20.81	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.59	19.99	30.00	PASS



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

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

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	20175	38RB#18	21.54	19.94	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.58	19.98	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.53	19.93	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.59	20.99	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.36	20.76	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.40	20.80	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.49	19.89	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.57	19.97	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.58	19.98	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.55	19.95	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.08	19.48	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.52	19.92	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.95	19.35	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.56	18.96	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.62	19.02	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.56	18.96	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.61	19.01	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.74	20.14	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.10	19.50	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.57	19.97	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.66	19.06	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.50	18.90	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.60	19.00	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.61	19.01	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.65	20.05	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.31	19.71	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.31	19.71	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.67	19.07	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.62	19.02	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.51	18.91	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.55	18.95	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.34	18.74	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.38	18.78	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.45	18.85	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#0	19.34	17.74	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	19.54	17.94	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	19.59	17.99	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.41	17.81	30.00	PASS



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

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



Band4	15MHz	64QAM	20175	1RB#0	20.44	18.84	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.48	18.88	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.41	18.81	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	19.59	17.99	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	19.38	17.78	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	19.59	17.99	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.34	17.74	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.50	18.90	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.48	18.88	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.31	18.71	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	19.32	17.72	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	19.46	17.86	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	19.44	17.84	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.54	17.94	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.47	20.87	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.29	20.69	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.26	20.66	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.59	19.99	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.62	20.02	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.52	19.92	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.64	20.04	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.53	20.93	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.12	20.52	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.31	20.71	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.58	19.98	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.55	19.95	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.57	19.97	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.52	19.92	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.44	20.84	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.22	20.62	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.54	20.94	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.65	20.05	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.63	20.03	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.61	20.01	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.59	19.99	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.85	19.25	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.93	19.33	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.04	19.44	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 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	50RB#0	20.71	19.11	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.61	19.01	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.59	18.99	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.58	18.98	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.33	19.73	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.37	19.77	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.95	19.35	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.72	19.12	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.57	18.97	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.54	18.94	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.50	18.90	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.69	20.09	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.02	19.42	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.16	19.56	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.54	18.94	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.67	19.07	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.53	18.93	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.59	18.99	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.35	18.75	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.49	18.89	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.34	18.74	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	19.53	17.93	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.60	18.00	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.44	17.84	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.35	17.75	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.43	18.83	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.35	18.75	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.41	18.81	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	19.37	17.77	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	19.35	17.75	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	19.50	17.90	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.49	17.89	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.47	18.87	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.45	18.85	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.35	18.75	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	19.42	17.82	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	19.46	17.86	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	19.33	17.73	30.00	PASS



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

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



Band4	20MHz	64QAM	20300	100RB#0	19.56	17.96	30.00	PASS
-------	-------	-------	-------	---------	-------	-------	-------	------

Remark:

1. For Ant1& Ant2 & Ant3 & Ant5, the whole testing has assessed Ant2 & Ant5 by referring to the higher conducted power.
2. The Maximum ERP/EIRP is calculated from Max Output power and Max antenna gain, only the maximum ERP/EIRP is shown in the report
3. For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,
 $ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$
 $EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$



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

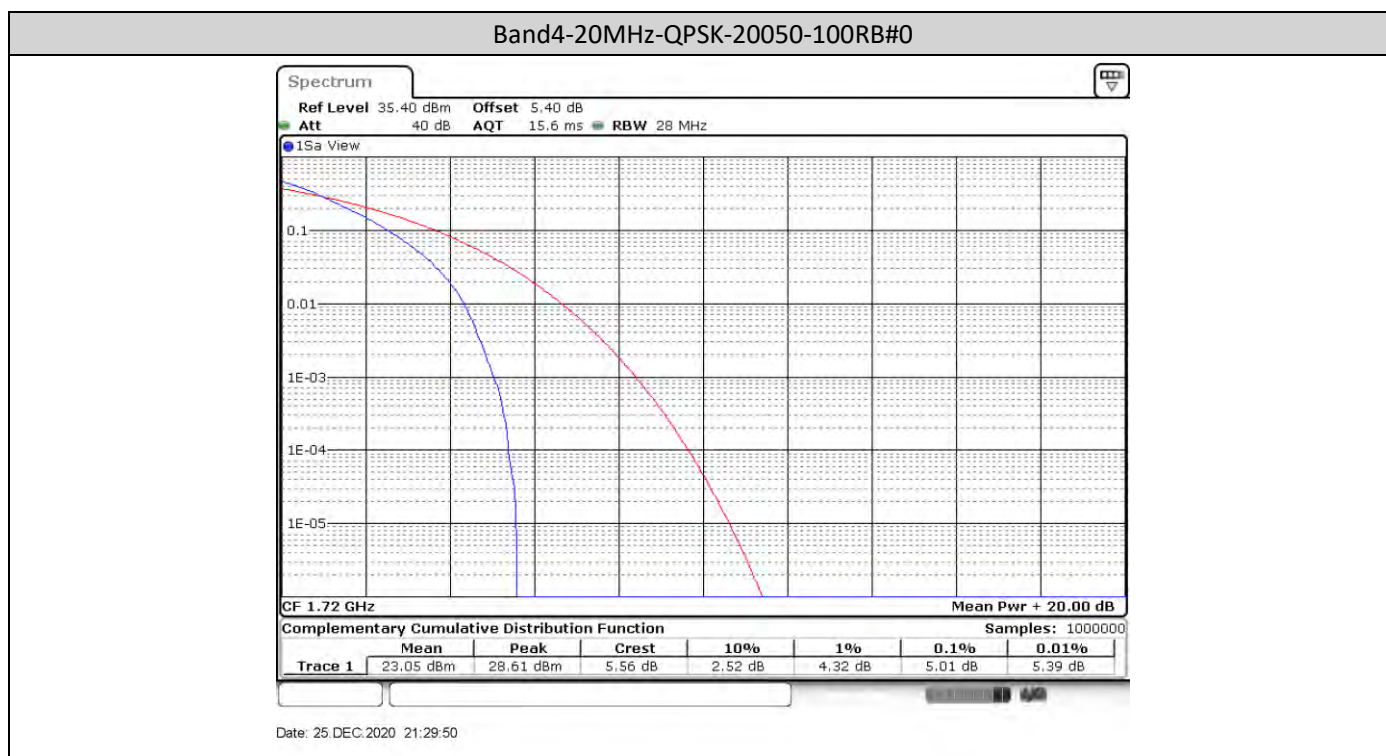


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.13	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.16	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.41	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.52	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.55	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.00	13	PASS

2.2. Test Plots



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

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

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

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

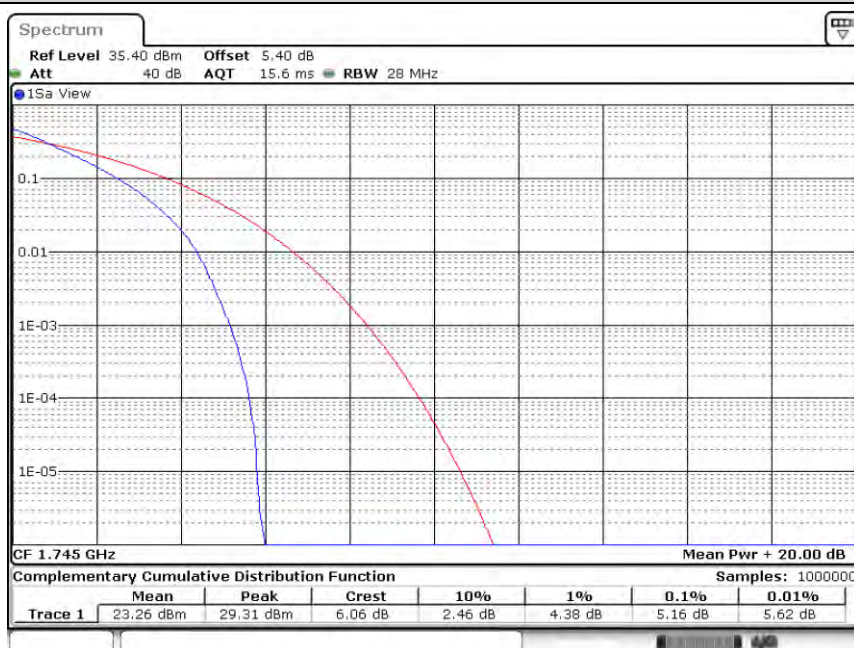


Band4-20MHz-QPSK-20175-100RB#0



Date: 25 DEC. 2020 21:30:12

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



Date: 25 DEC. 2020 21:30:35



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



Date: 28 DEC. 2020 08:43:06

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



Date: 28 DEC. 2020 08:43:18

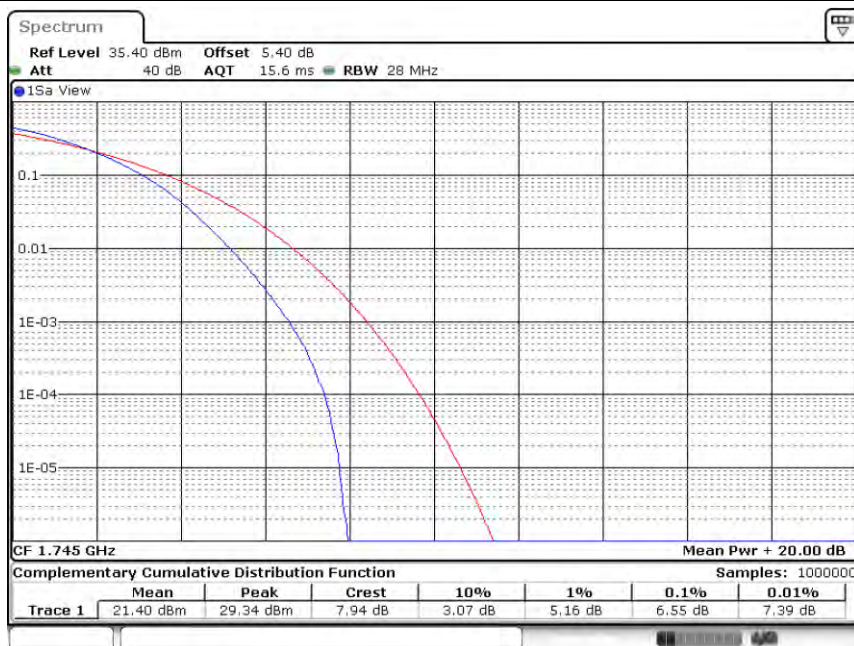


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

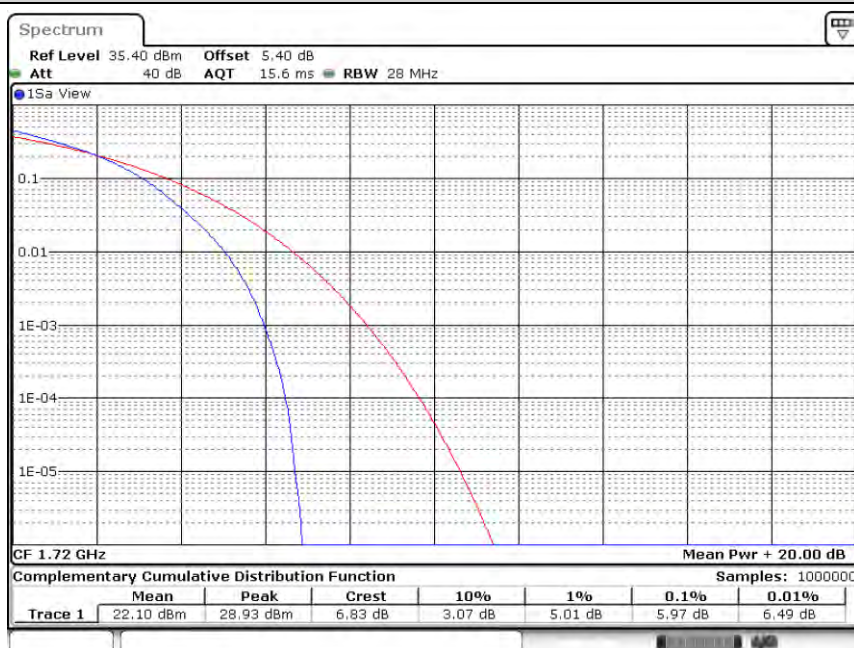


Band4-20MHz-64QAM-20300-100RB#0



Date: 28 DEC. 2020 08:43:30

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



Date: 25 DEC. 2020 21:30:01





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



Date: 25 DEC. 2020 21:30:24

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



Date: 25 DEC. 2020 21:30:46



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.

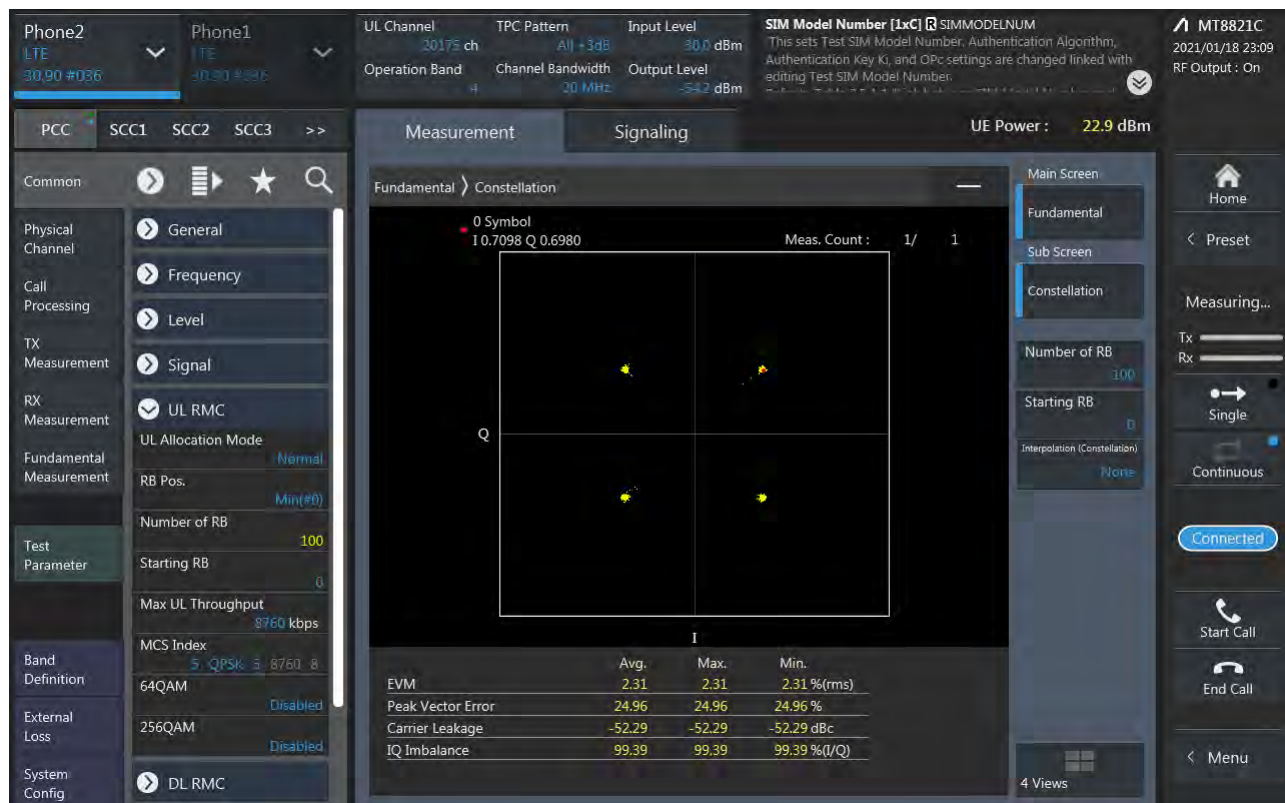
Attention: To check the authenticity of testing/inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

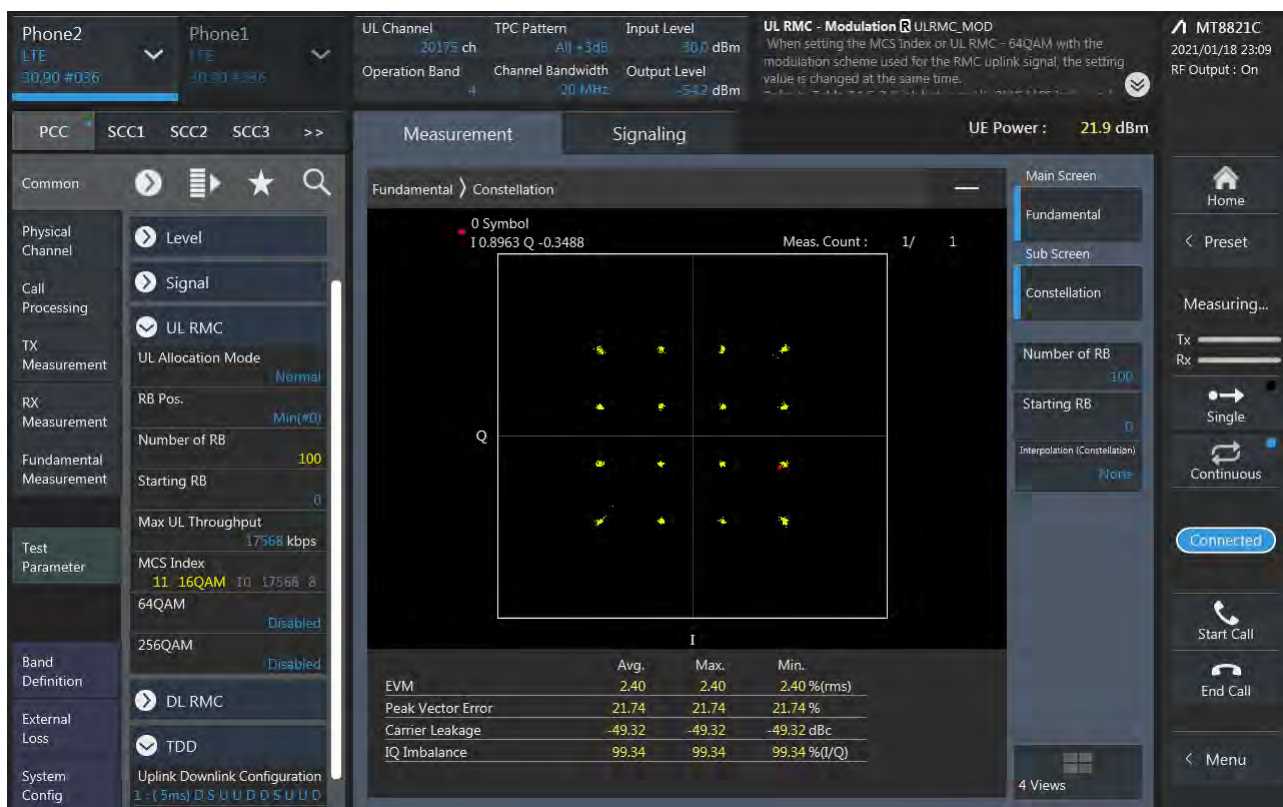
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

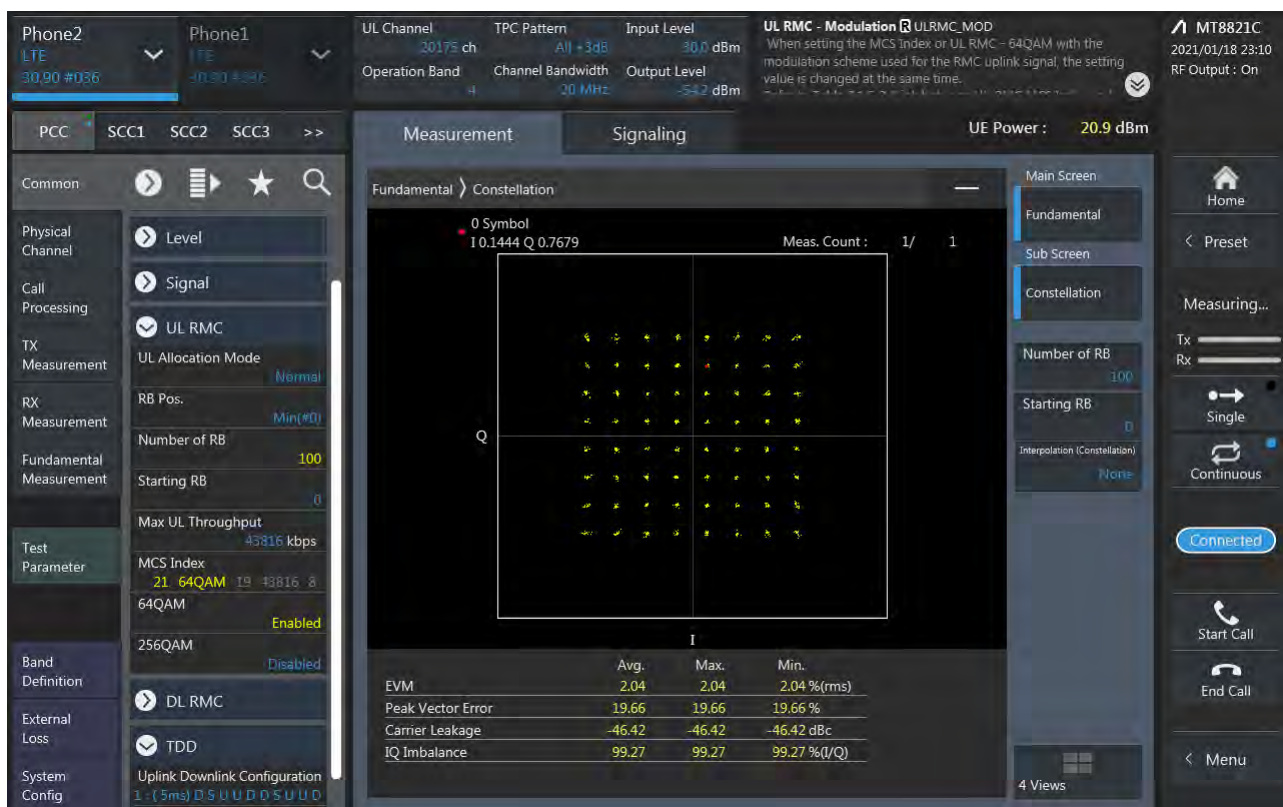
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.088	1.242	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.088	1.227	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.239	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.097	1.242	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.088	1.236	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.245	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.088	1.236	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.079	1.233	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.085	1.236	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.703	3.006	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	3.024	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	2.988	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	3.000	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.994	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.691	2.994	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.982	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.988	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.900	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.890	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.910	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.890	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.900	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.880	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.940	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.910	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.930	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.680	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.660	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.640	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.640	PASS



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

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

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

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



Band4	10MHz	64QAM	20175	50RB#0	8.911	9.600	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.911	9.620	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.951	9.720	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.700	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	14.880	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.427	14.760	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.487	14.820	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.487	14.790	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.850	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	14.760	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.610	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.760	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.560	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.440	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.520	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.822	19.400	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.520	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.520	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.440	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.560	PASS



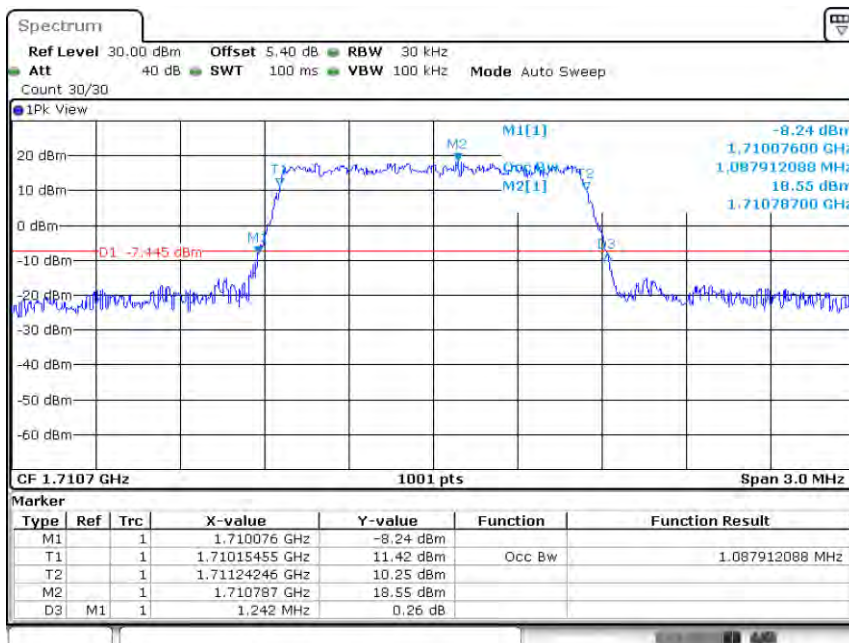
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



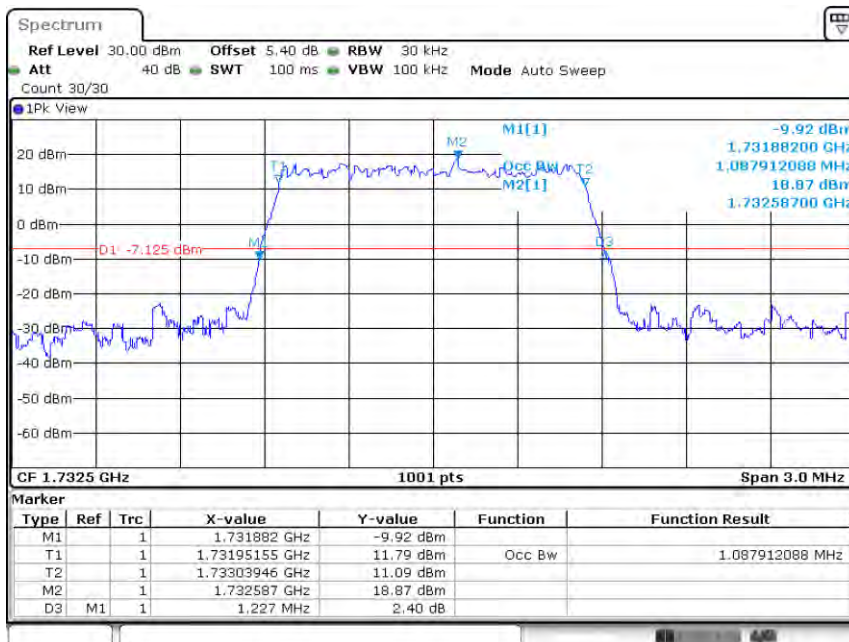
4.2. Test Plots

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



Date: 25 DEC 2020 20:58:17

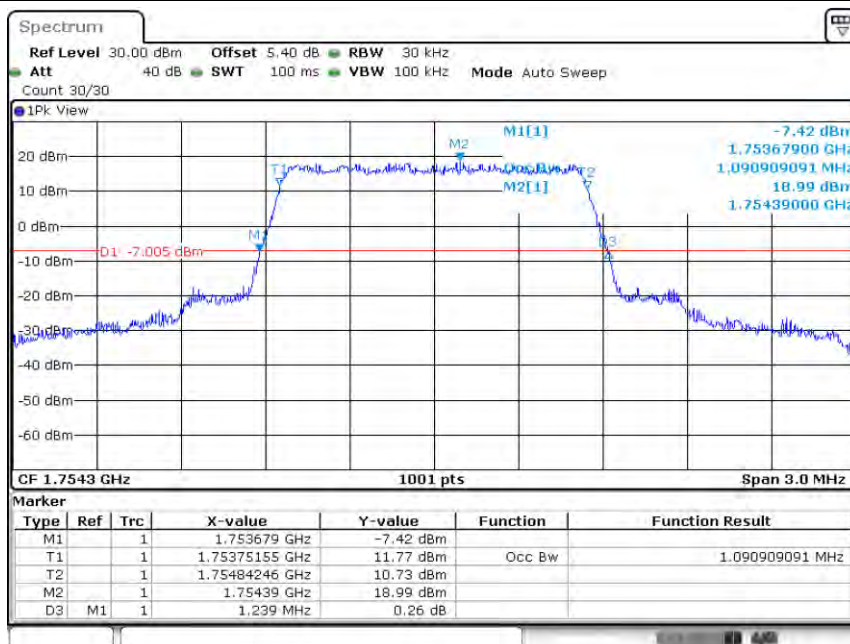
Band4-1.4MHz-QPSK-20175-6RB#0-1.088



Date: 25 DEC 2020 20:58:43

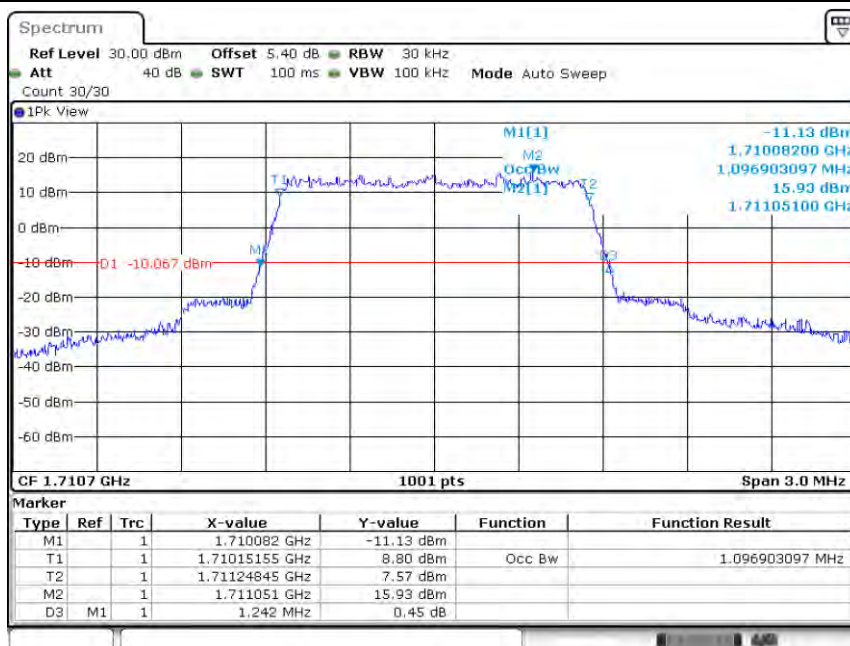


Band4-1.4MHz-QPSK-20393-6RB#0-1.091



Date: 25 DEC. 2020 20:59:08

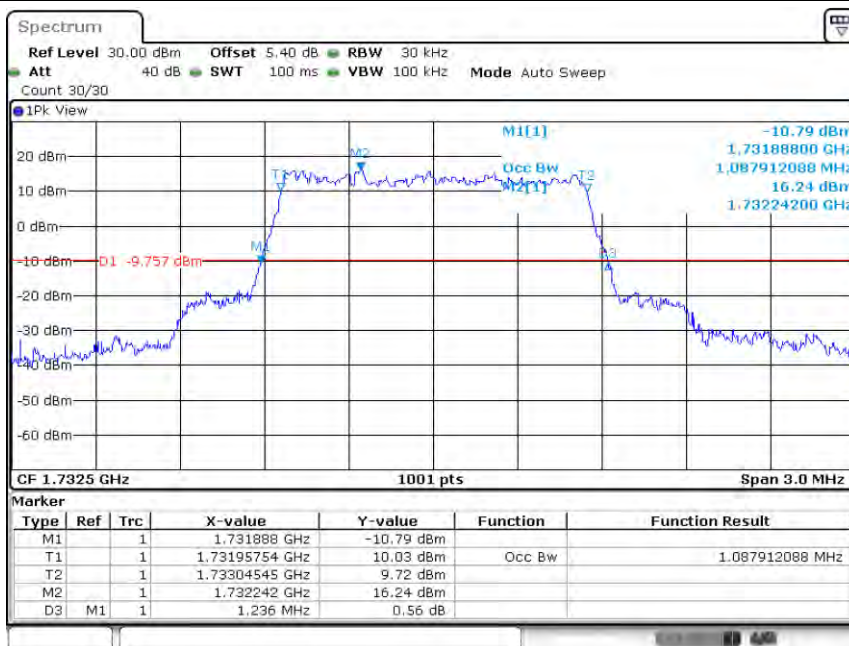
Band4-1.4MHz-64QAM-19957-6RB#0-1.097



Date: 28 DEC. 2020 08:26:39

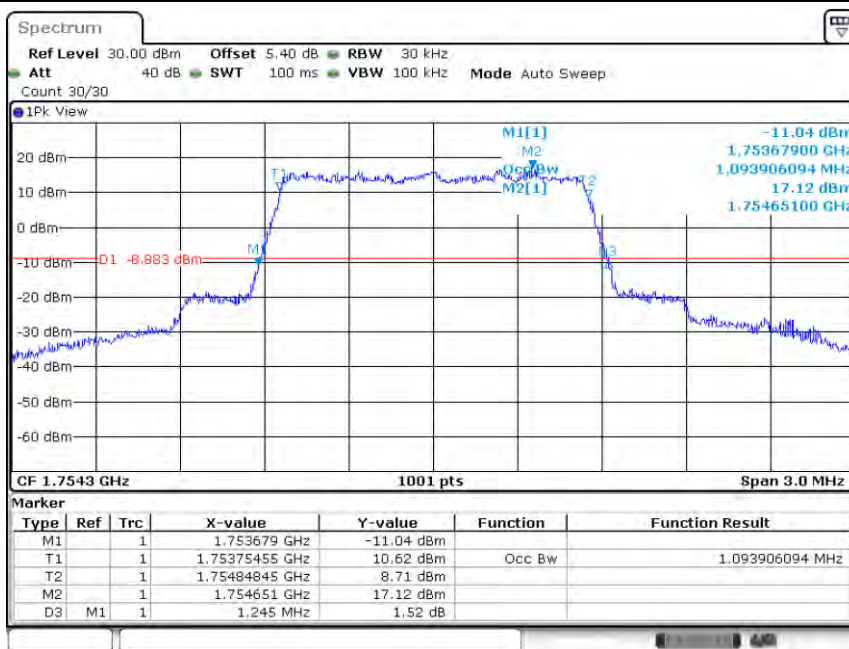


Band4-1.4MHz-64QAM-20175-6RB#0-1.088



Date: 28 DEC. 2020 08:26:52

Band4-1.4MHz-64QAM-20393-6RB#0-1.094



Date: 28 DEC. 2020 08:27:05

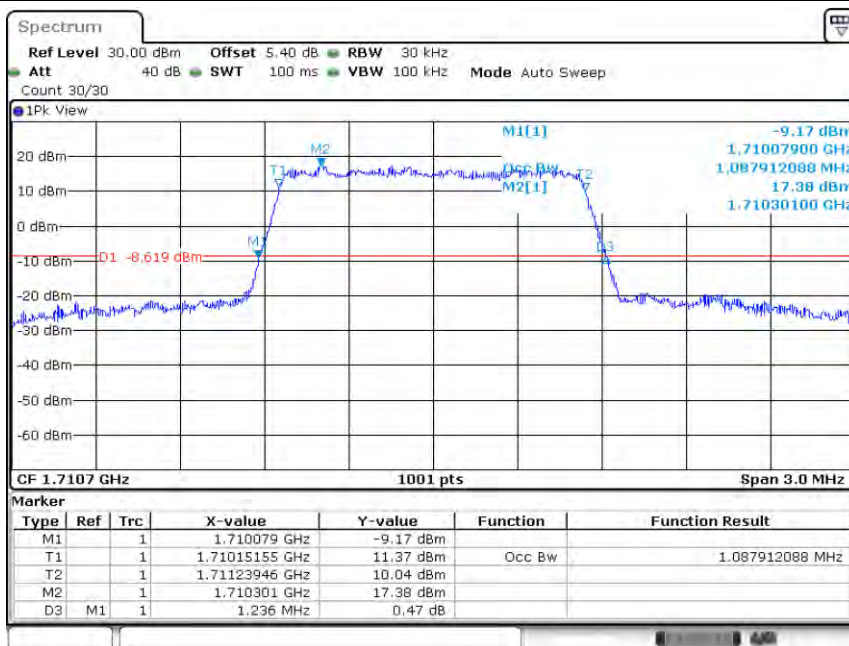


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

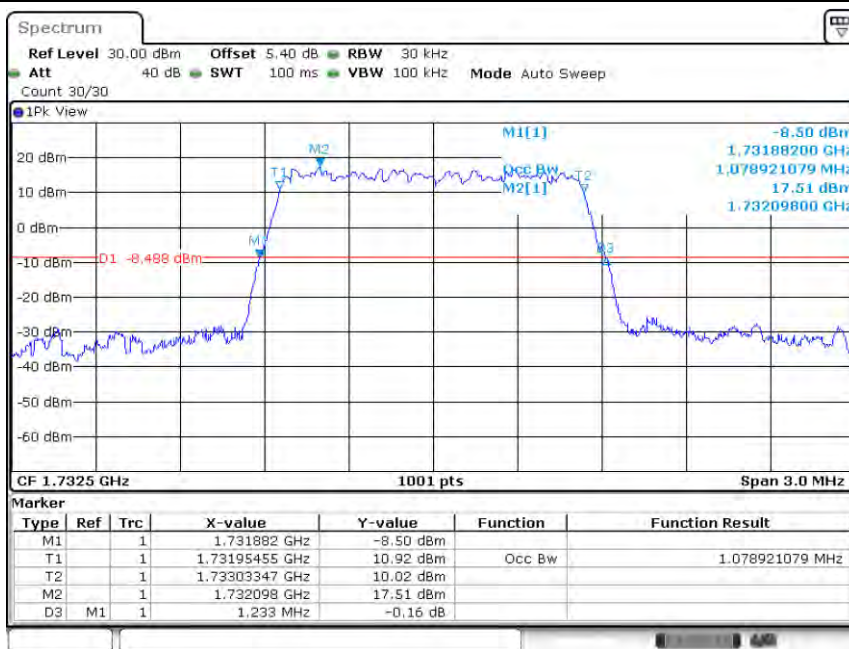


Band4-1.4MHz-16QAM-19957-6RB#0-1.088



Date: 25 DEC. 2020 20:58:30

Band4-1.4MHz-16QAM-20175-6RB#0-1.079



Date: 25 DEC. 2020 20:58:56



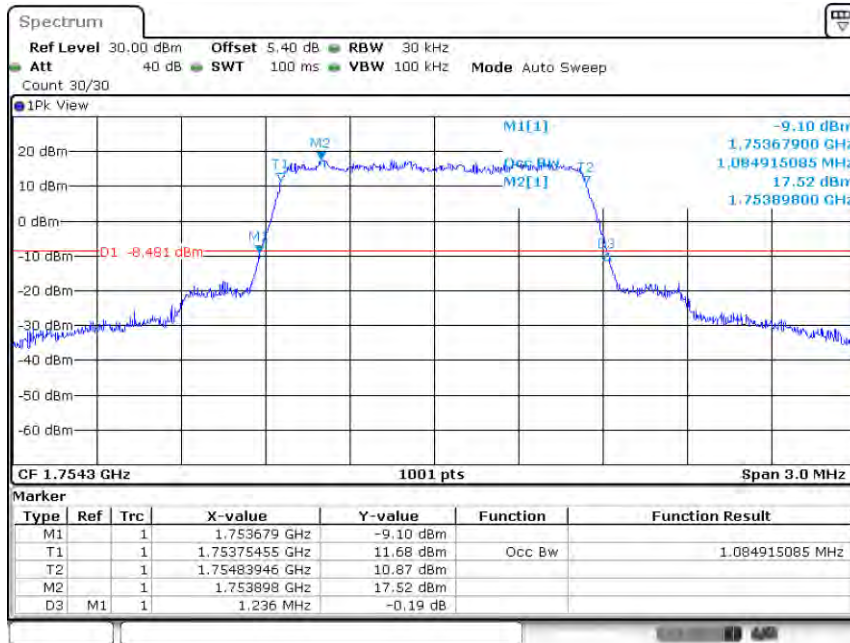
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

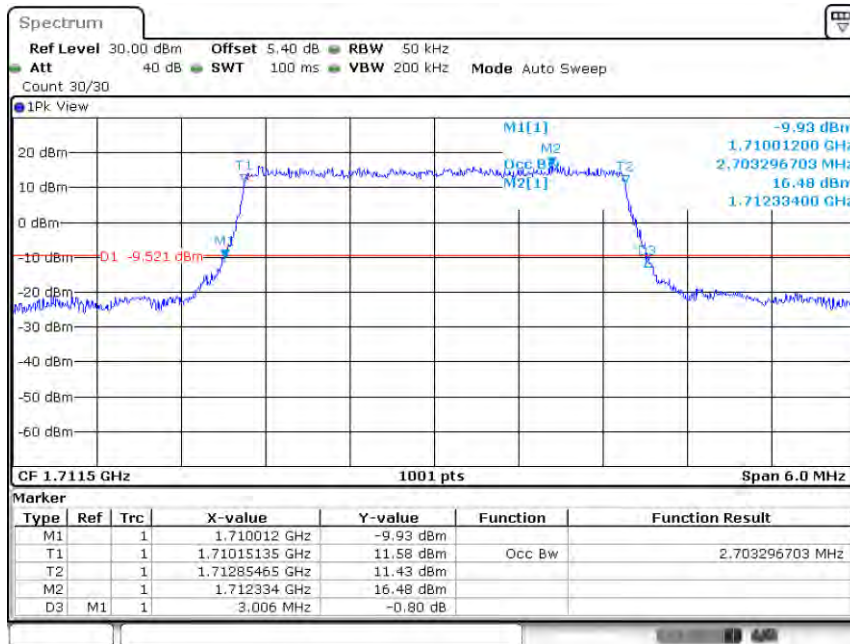


Band4-1.4MHz-16QAM-20393-6RB#0-1.085



Date: 25 DEC. 2020 20:59:26

Band4-3MHz-QPSK-19965-15RB#0-2.703



Date: 25 DEC. 2020 20:59:44



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) 83071443, or email: CN.Doccheck@sgs.com

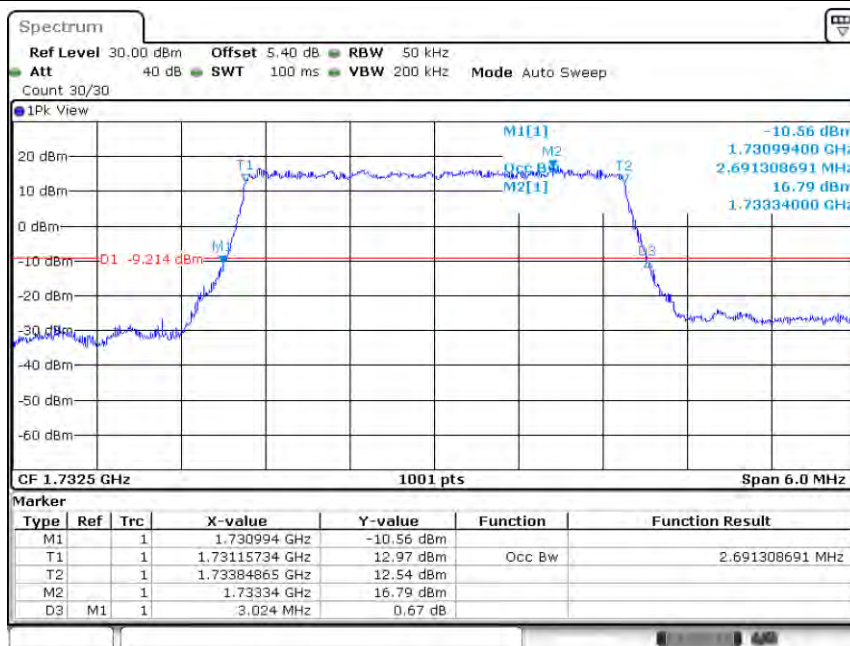
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Member of the SGS Group (SGS SA)

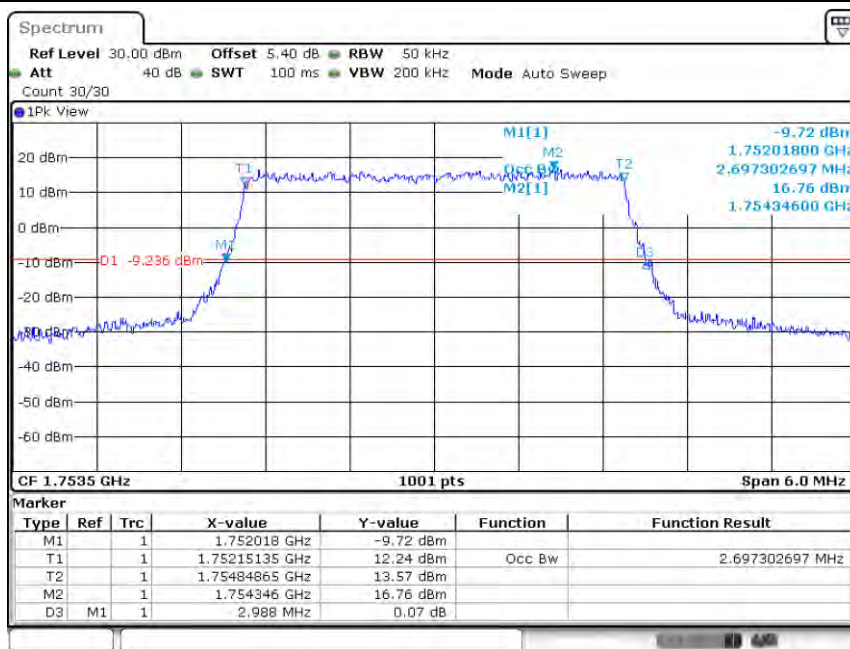


Band4-3MHz-QPSK-20175-15RB#0-2.691



Date: 25 DEC. 2020 21:00:14

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



Date: 25 DEC. 2020 21:00:42

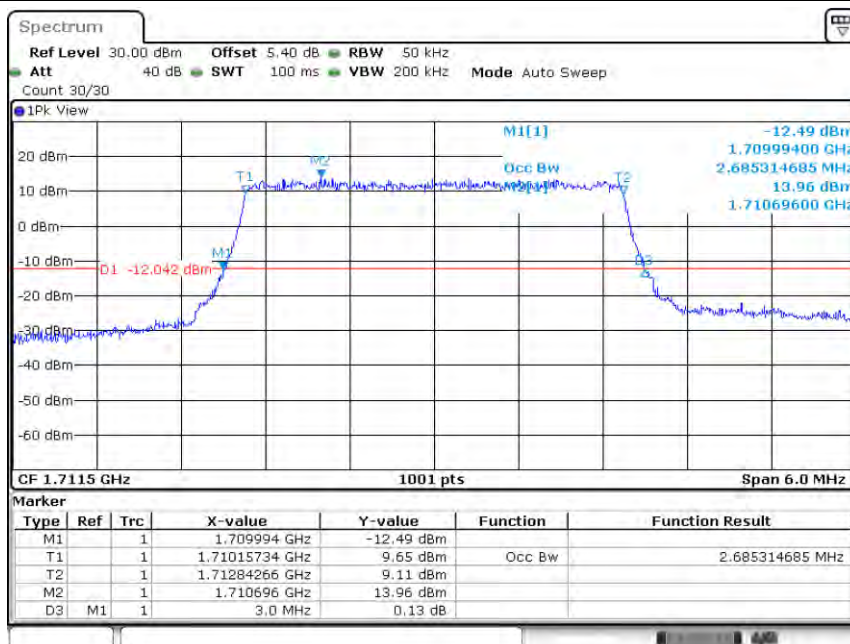


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

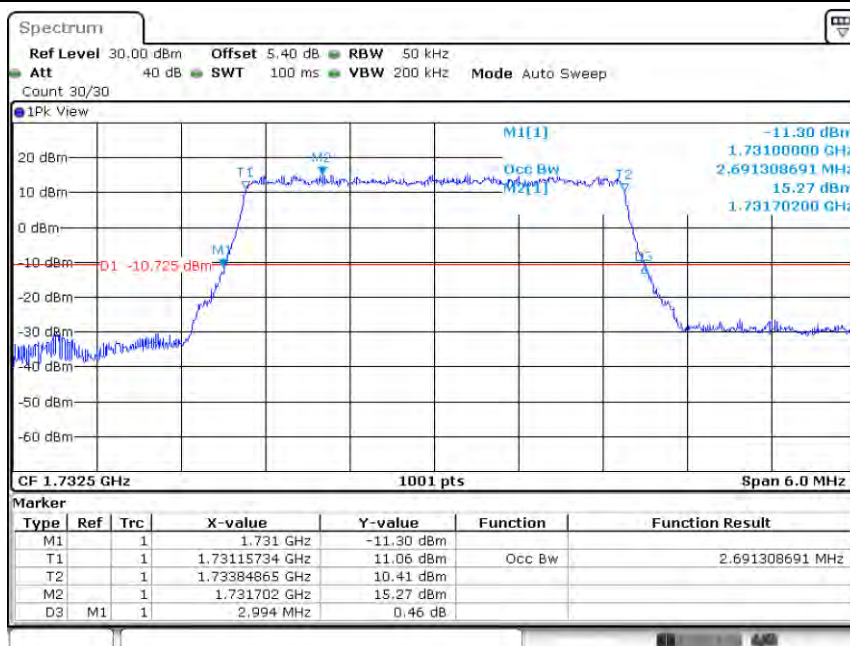


Band4-3MHz-64QAM-19965-15RB#0-2.685



Date: 28 DEC. 2020 08:27:23

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



Date: 28 DEC. 2020 08:27:36

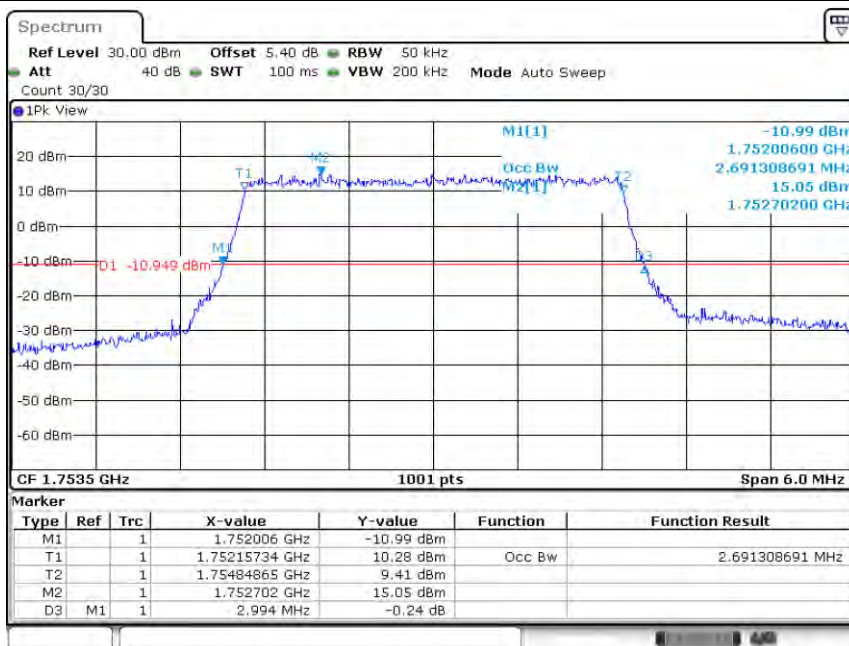


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

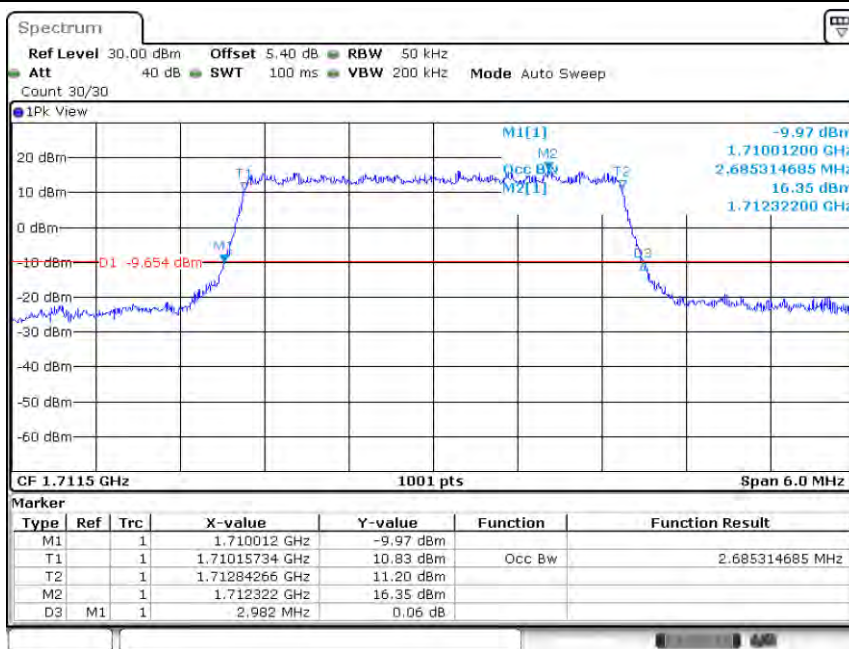


Band4-3MHz-64QAM-20385-15RB#0-2.691



Date: 28 DEC. 2020 08:27:48

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



Date: 25 DEC. 2020 20:59:59

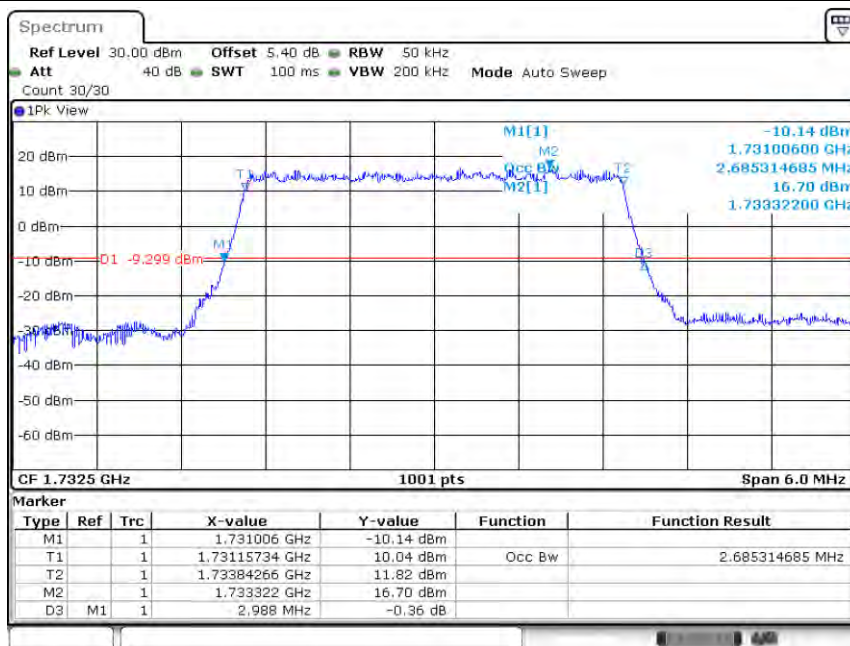


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

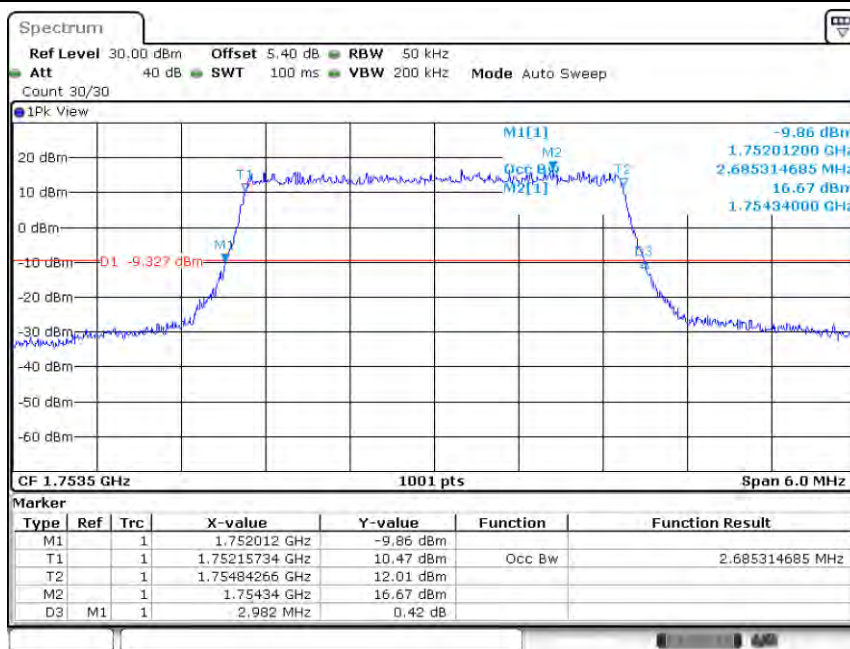


Band4-3MHz-16QAM-20175-15RB#0-2.685



Date: 25 DEC. 2020 21:00:27

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



Date: 25 DEC. 2020 21:00:54

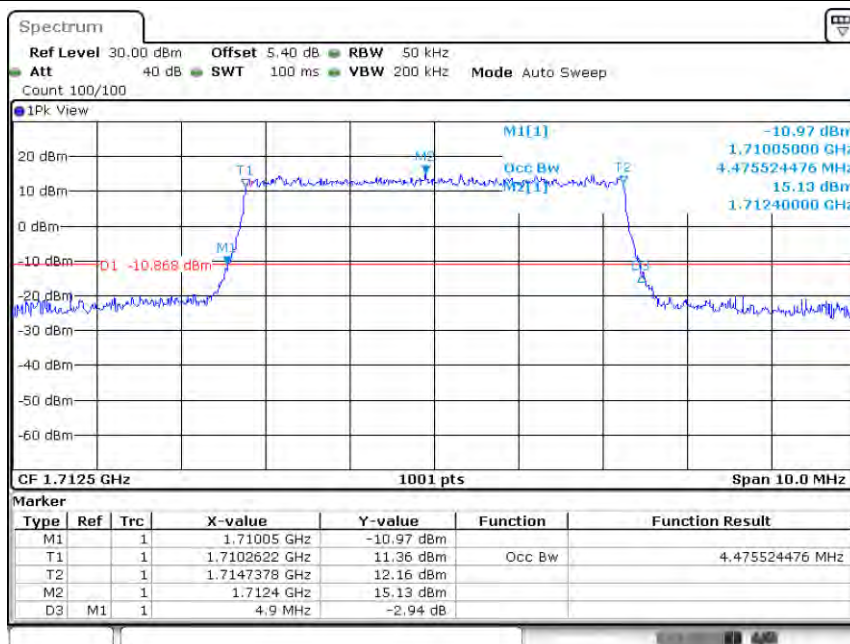


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

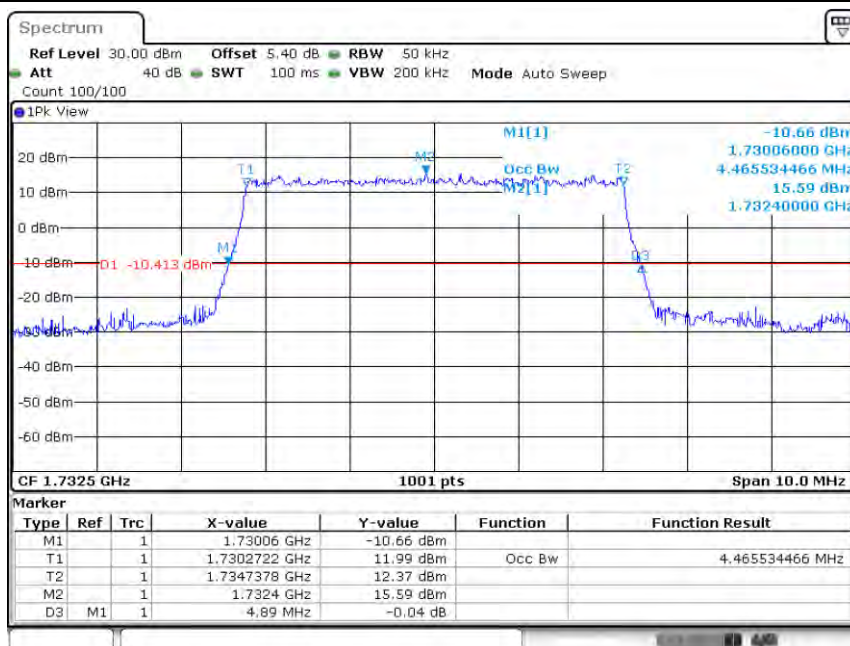


Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 25 DEC. 2020 21:01:19

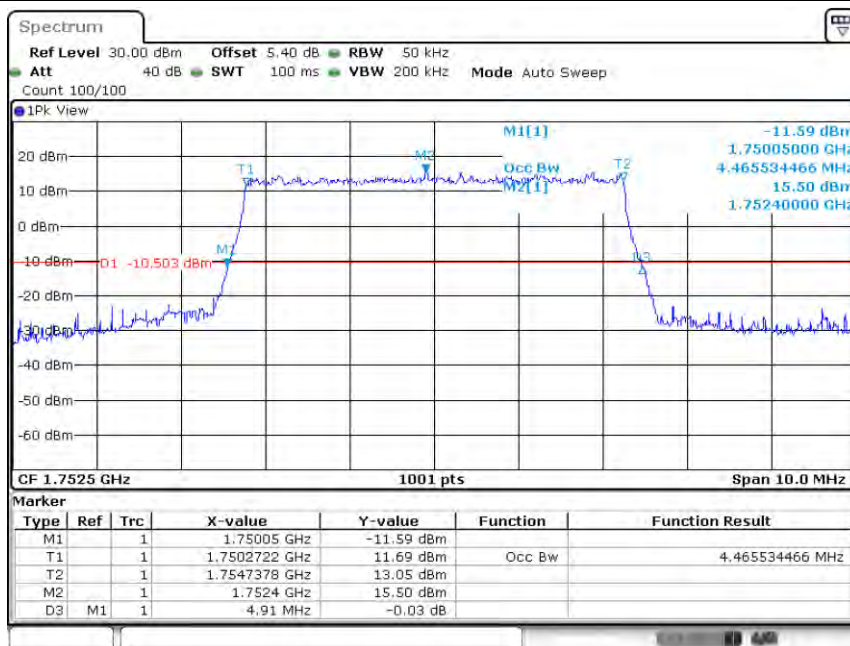
Band4-5MHz-QPSK-20175-25RB#0-4.466



Date: 25 DEC. 2020 21:01:58

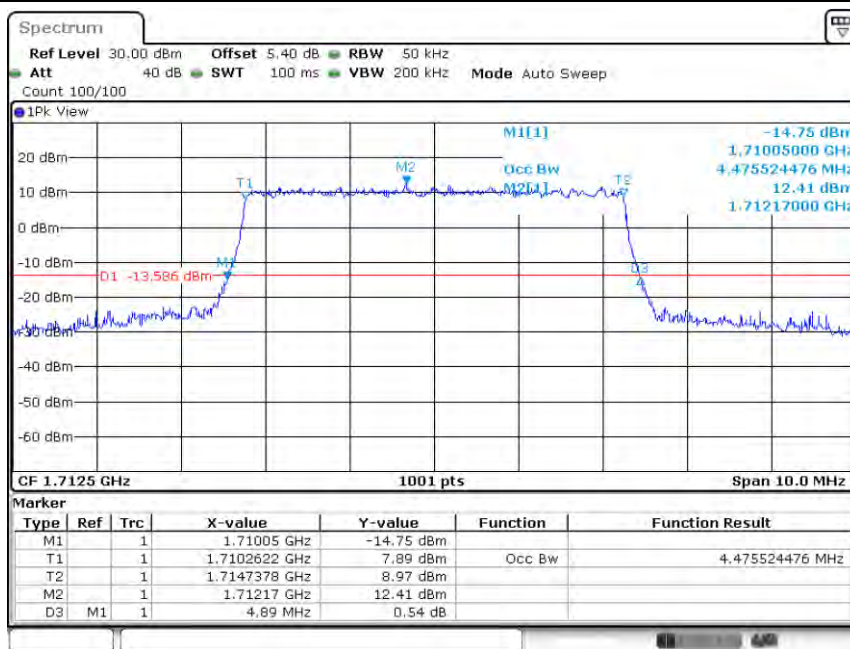


Band4-5MHz-QPSK-20375-25RB#0-4.466



Date: 25 DEC. 2020 21:02:37

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



Date: 28 DEC. 2020 08:28:13

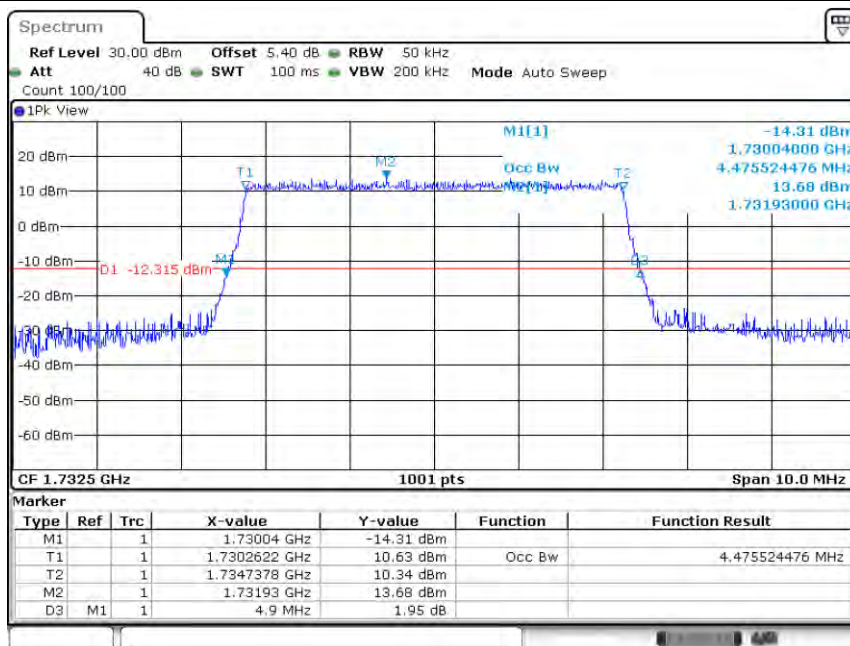


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

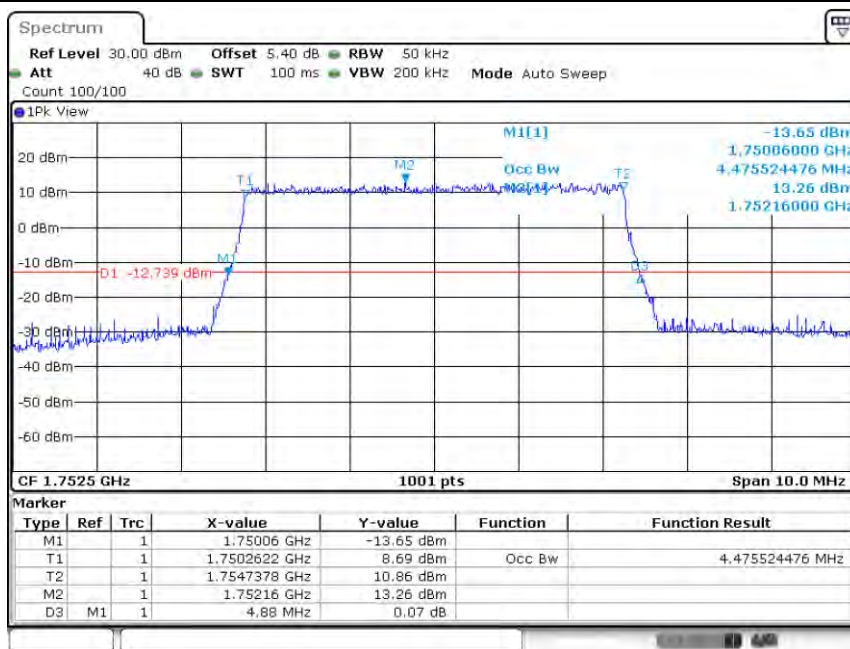


Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 28 DEC. 2020 08:28:33

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



Date: 28 DEC. 2020 08:28:53

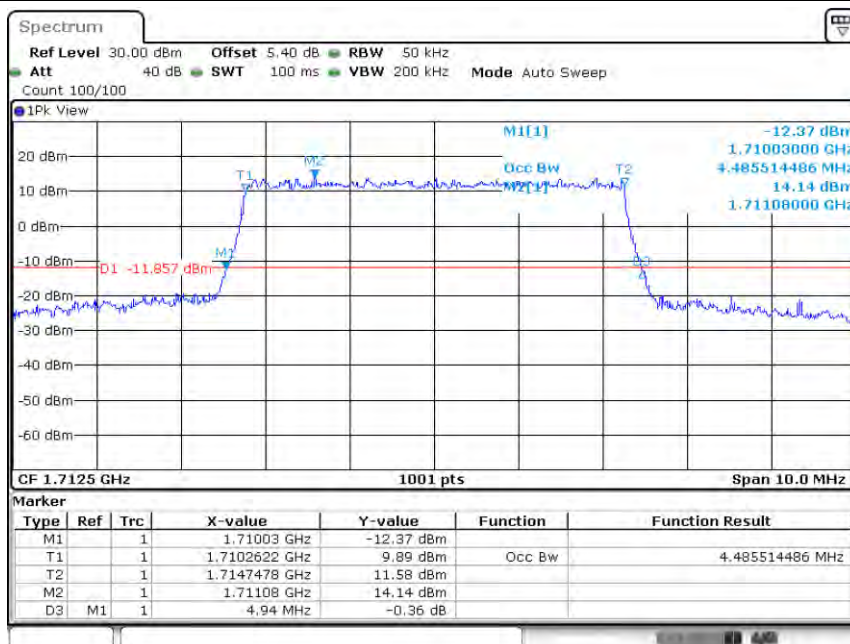


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

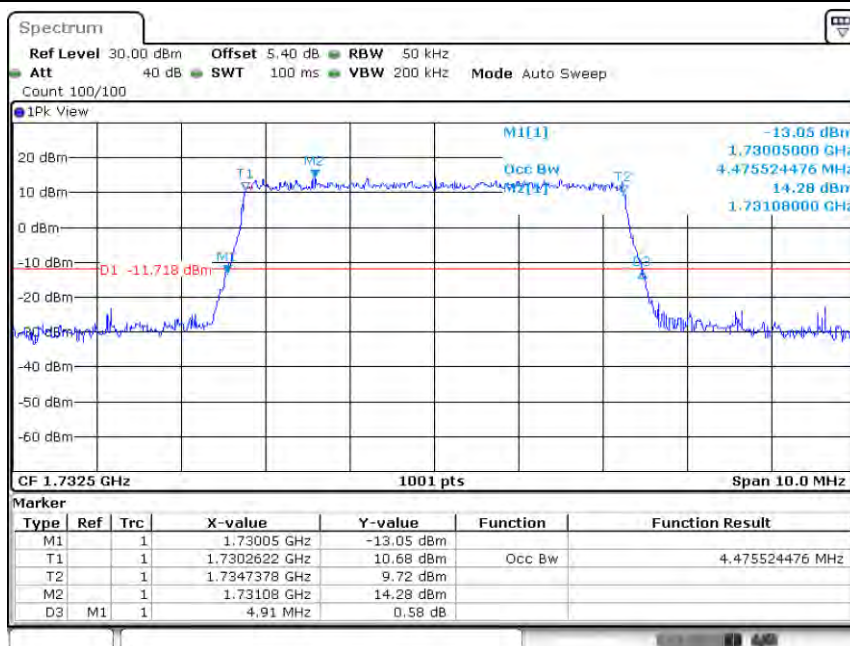


Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 25 DEC. 2020 21:01:38

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



Date: 25 DEC. 2020 21:02:18

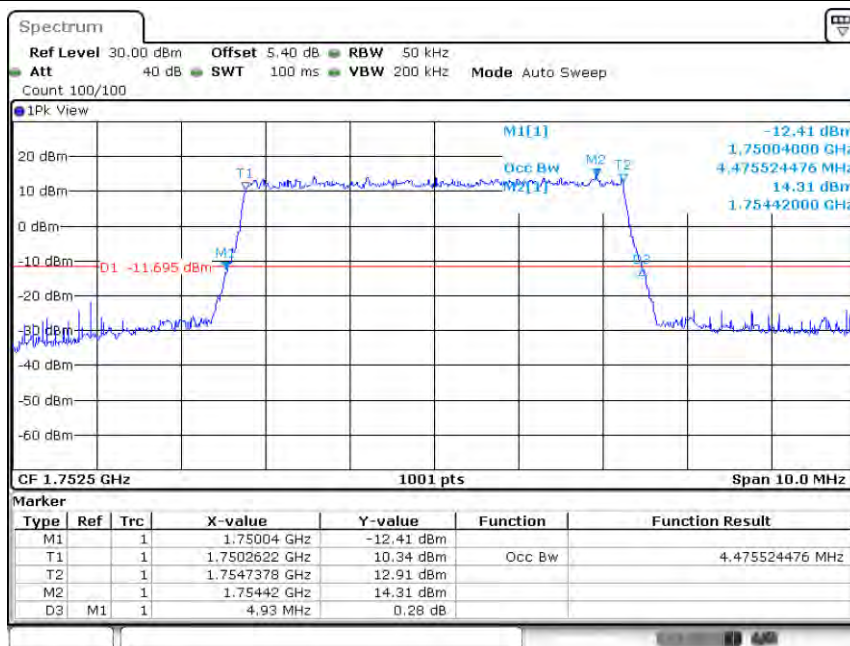


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

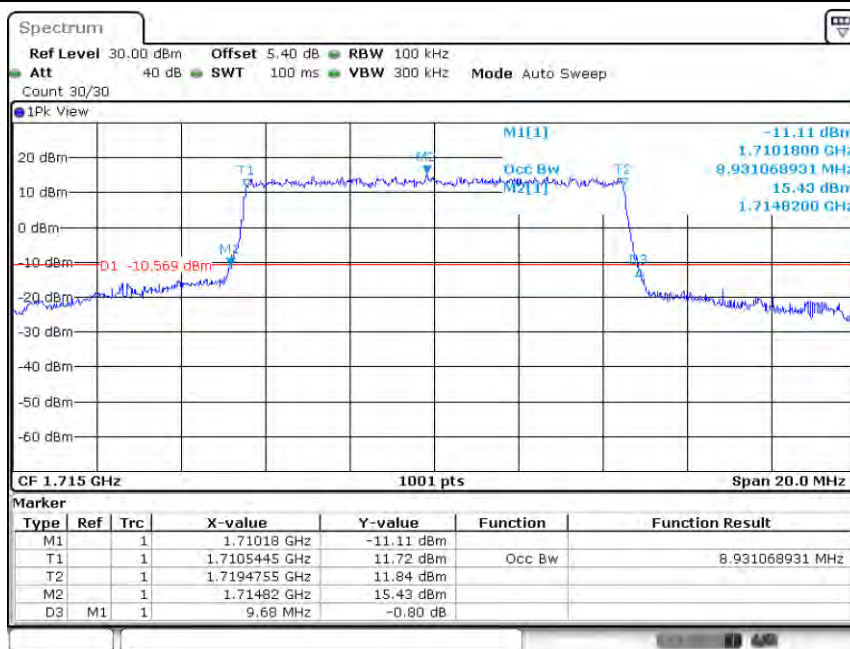


Band4-5MHz-16QAM-20375-25RB#0-4.476



Date: 25 DEC. 2020 21:02:57

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



Date: 25 DEC. 2020 21:03:14

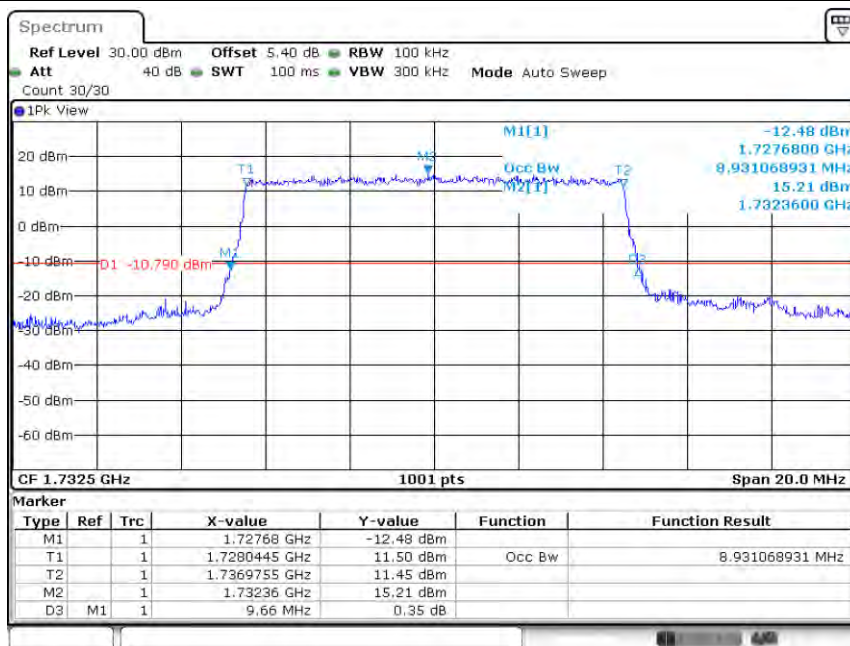


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

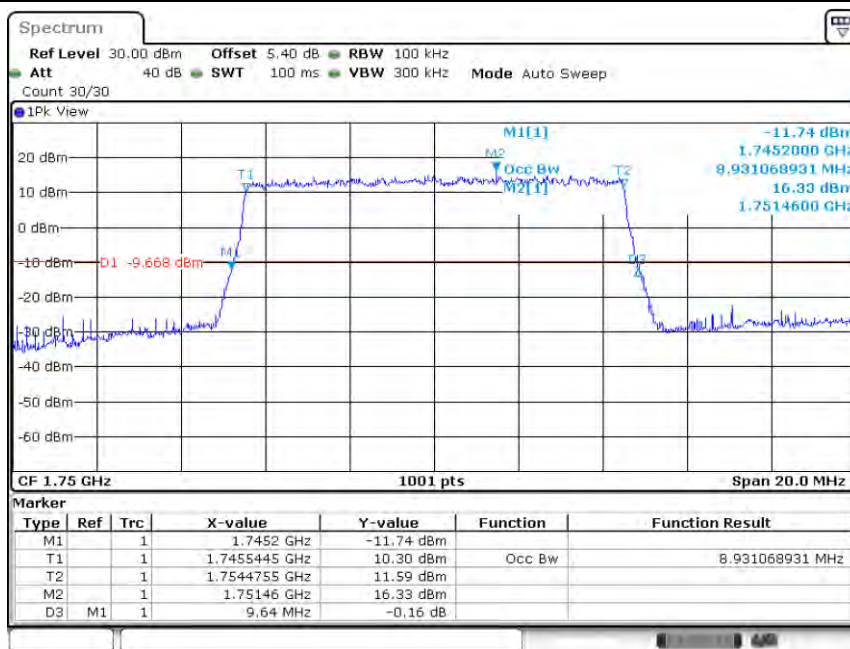


Band4-10MHz-QPSK-20175-50RB#0-8.931



Date: 25 DEC. 2020 21:03:47

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



Date: 25 DEC. 2020 21:04:12

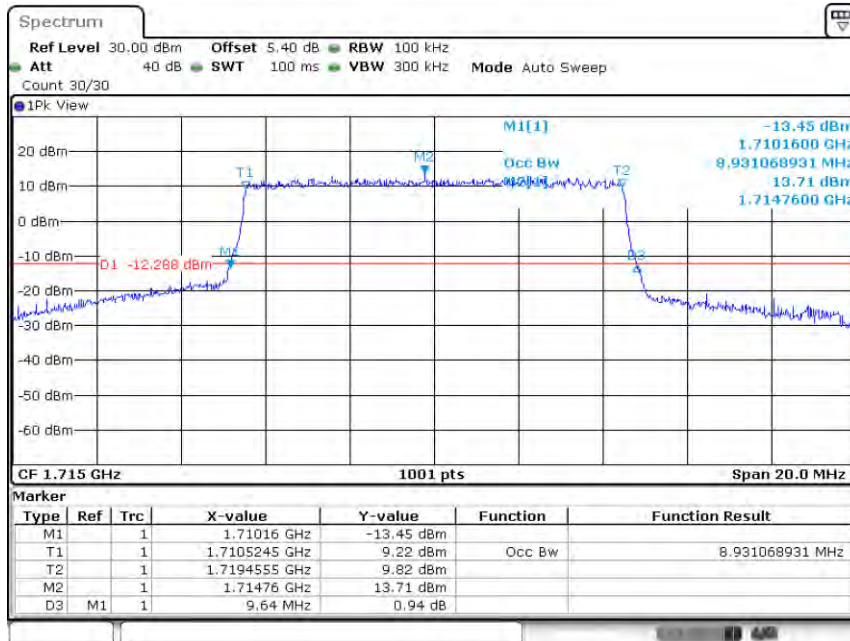


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

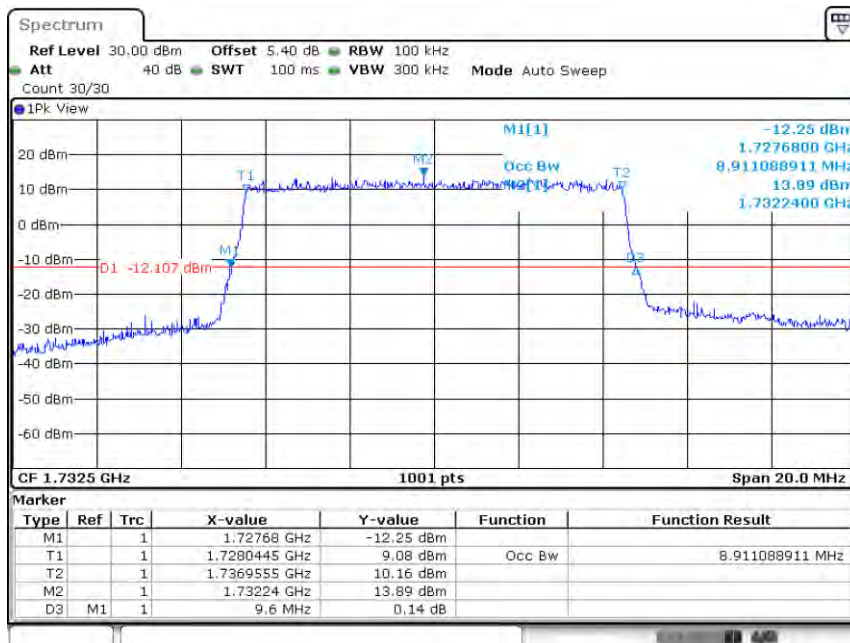


Band4-10MHz-64QAM-20000-50RB#0-8.931



Date: 28 DEC. 2020 08:29:11

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



Date: 28 DEC. 2020 08:29:24



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

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

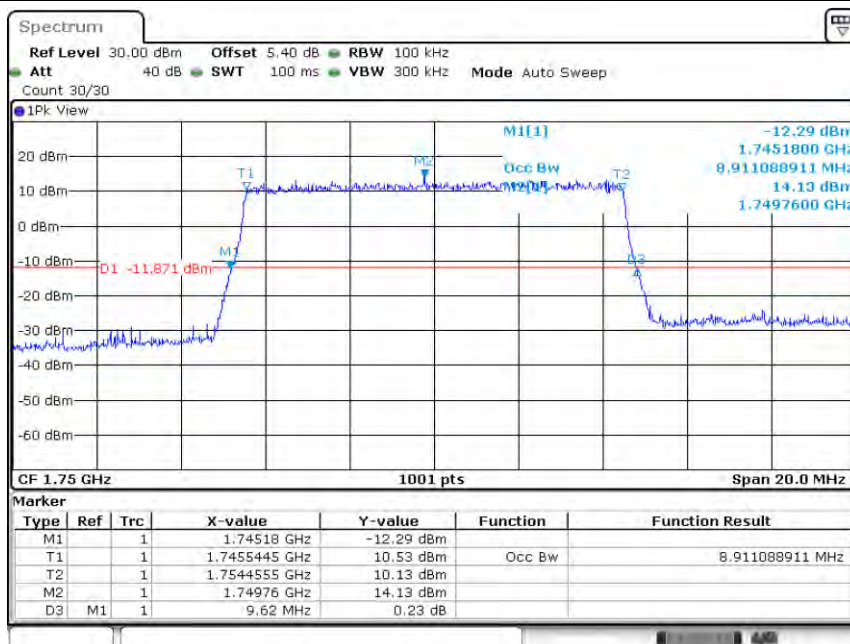
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Member of the SGS Group (SGS SA)

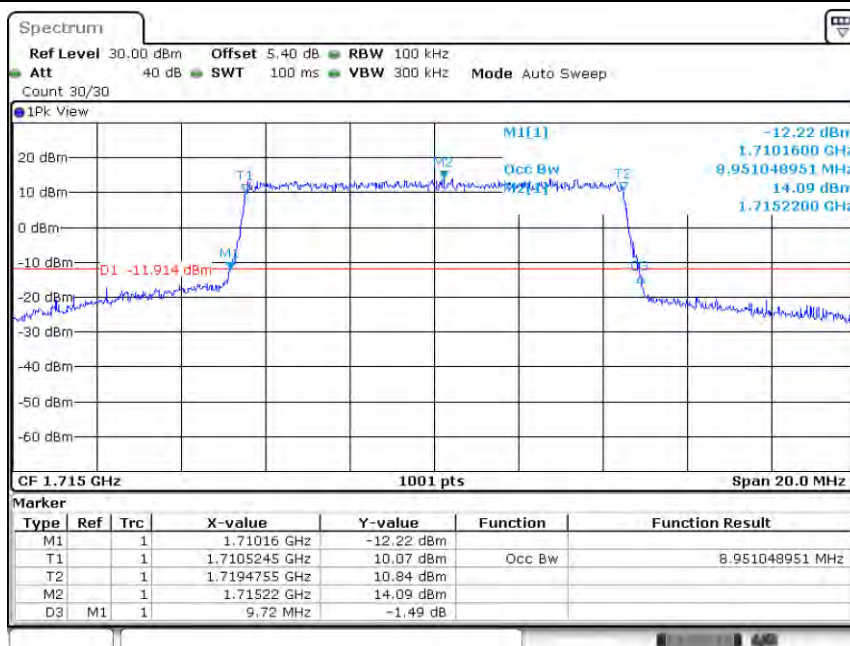


Band4-10MHz-64QAM-20350-50RB#0-8.911



Date: 28 DEC. 2020 08:29:37

Band4-10MHz-16QAM-20000-50RB#0-8.951



Date: 25 DEC. 2020 21:03:30

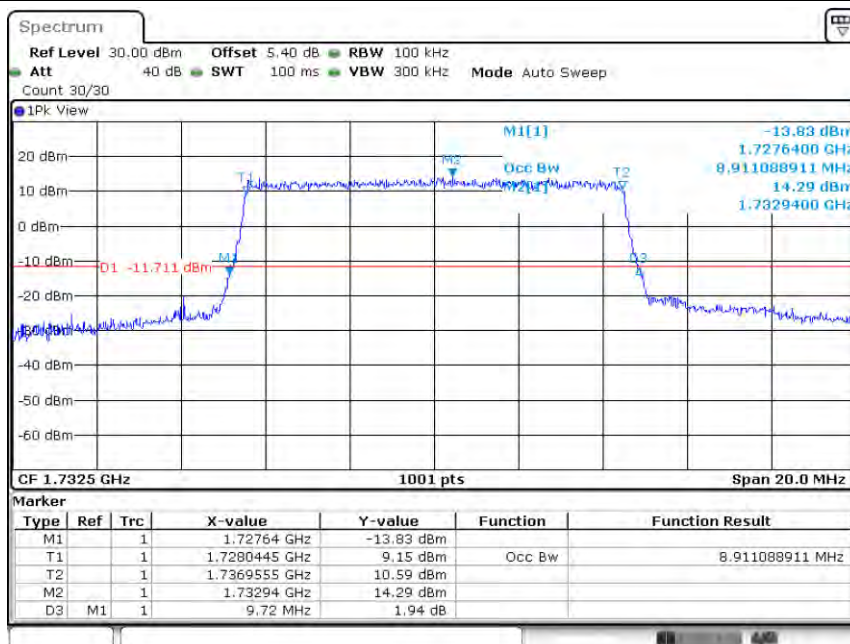


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

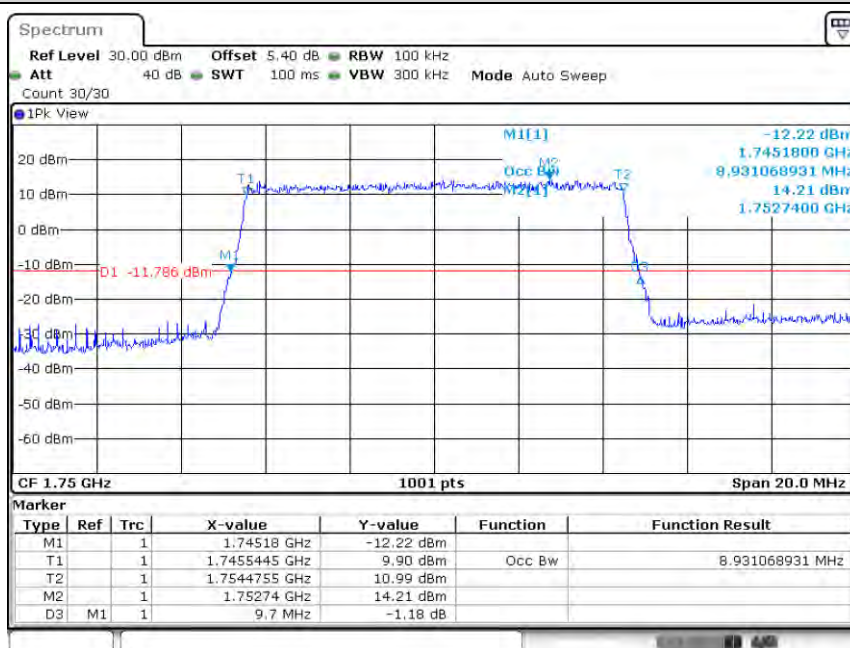


Band4-10MHz-16QAM-20175-50RB#0-8.911



Date: 25 DEC. 2020 21:04:00

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



Date: 25 DEC. 2020 21:04:25

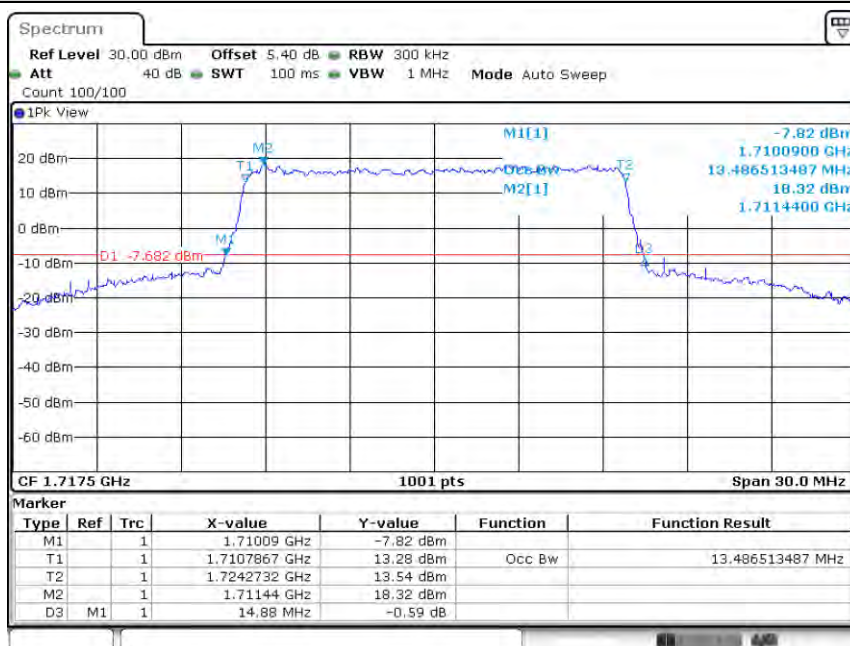


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

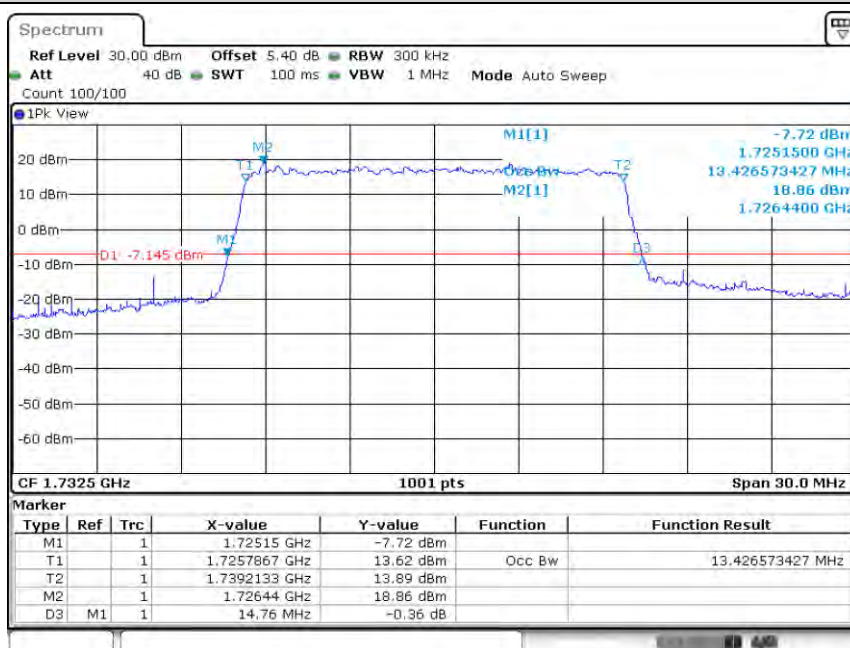


Band4-15MHz-QPSK-20025-75RB#0-13.487



Date: 25 DEC. 2020 21:04:49

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



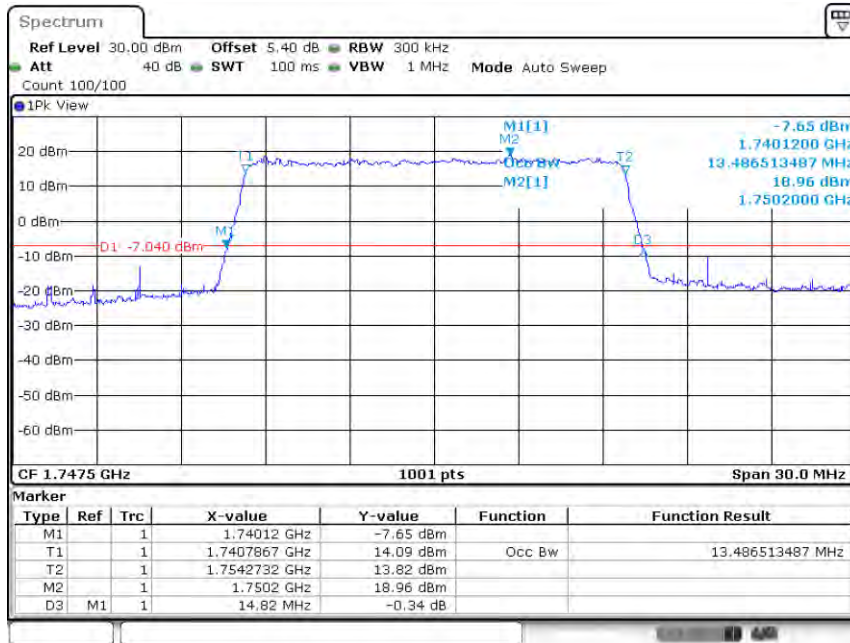
Date: 25 DEC. 2020 21:05:30



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

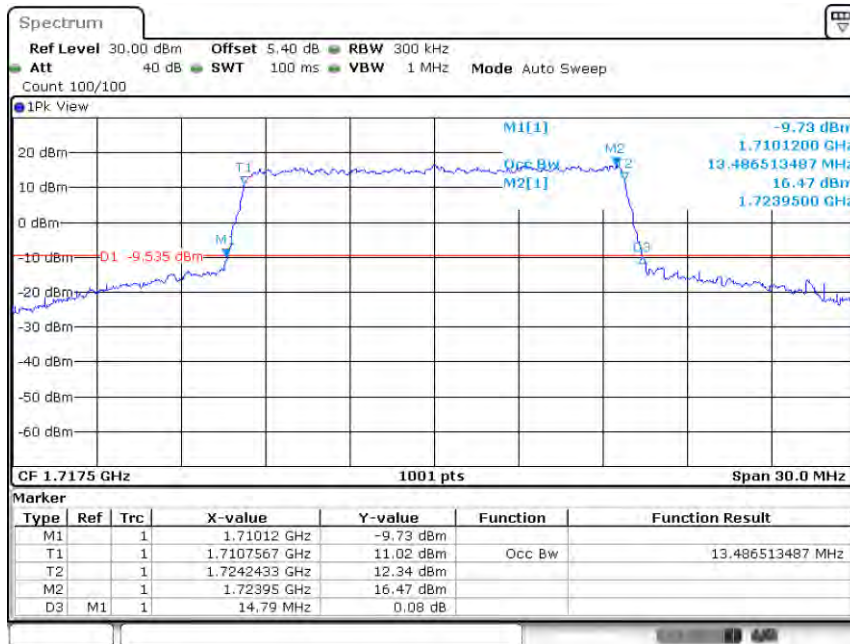
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band4-15MHz-QPSK-20325-75RB#0-13.487



Date: 25 DEC. 2020 21:06:10

Band4-15MHz-64QAM-20025-75RB#0-13.487



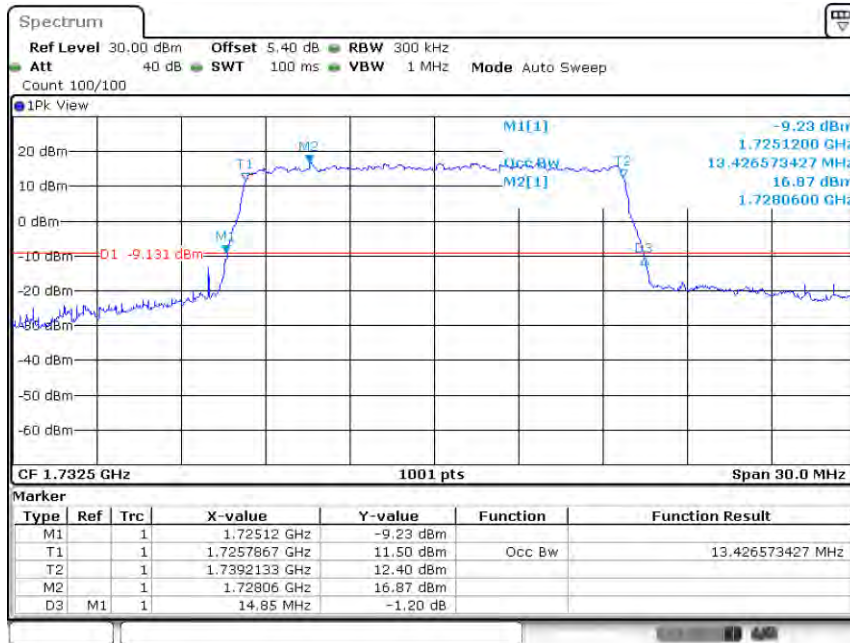
Date: 28 DEC. 2020 08:30:01



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

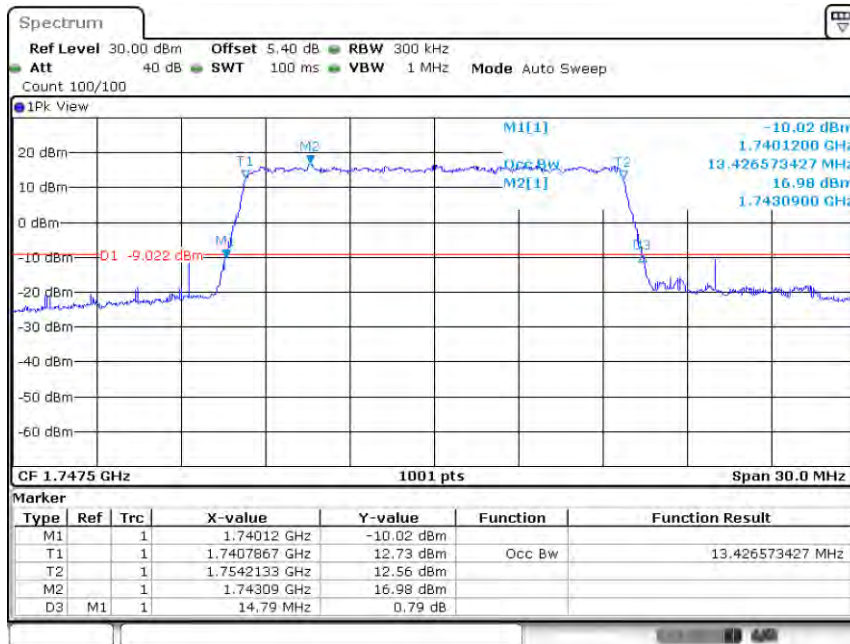
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 28 DEC. 2020 08:30:21

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



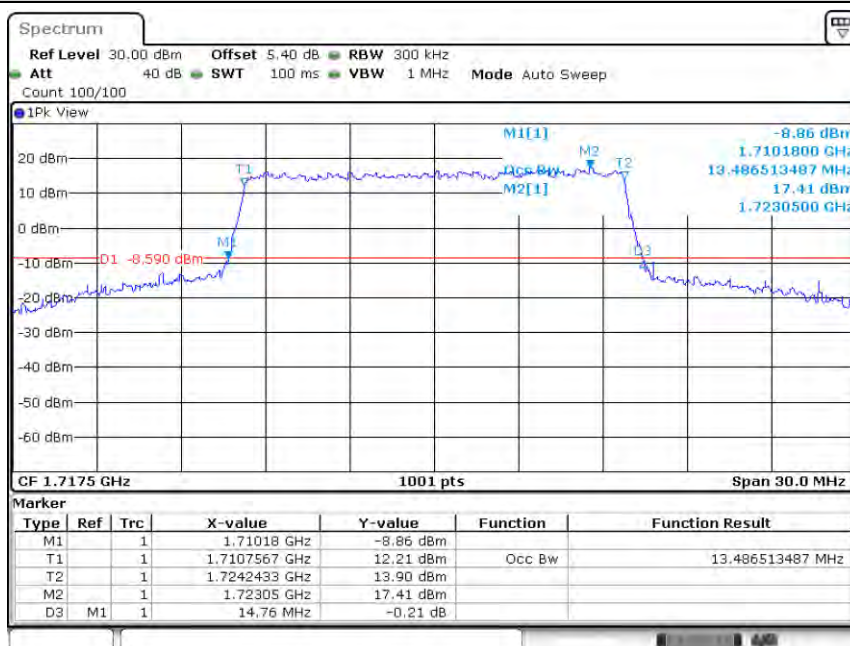
Date: 28 DEC. 2020 08:30:41



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

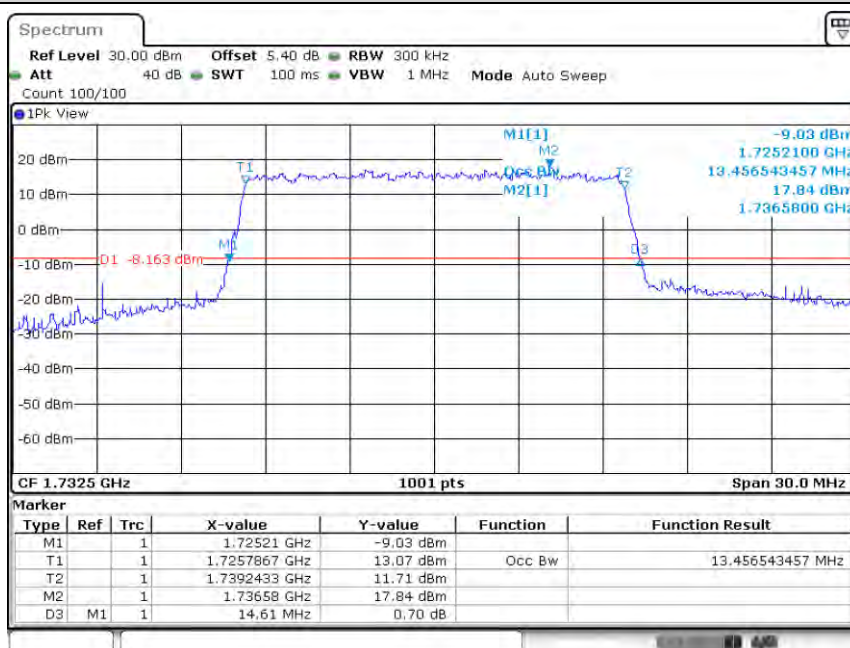
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 25 DEC. 2020 21:05:10

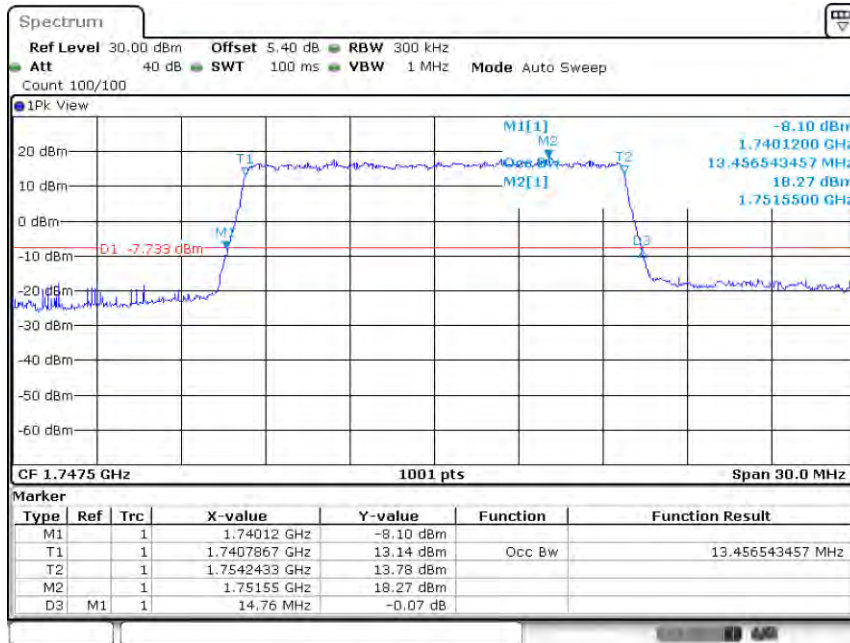
Band4-15MHz-16QAM-20175-75RB#0-13.457



Date: 25 DEC. 2020 21:05:50

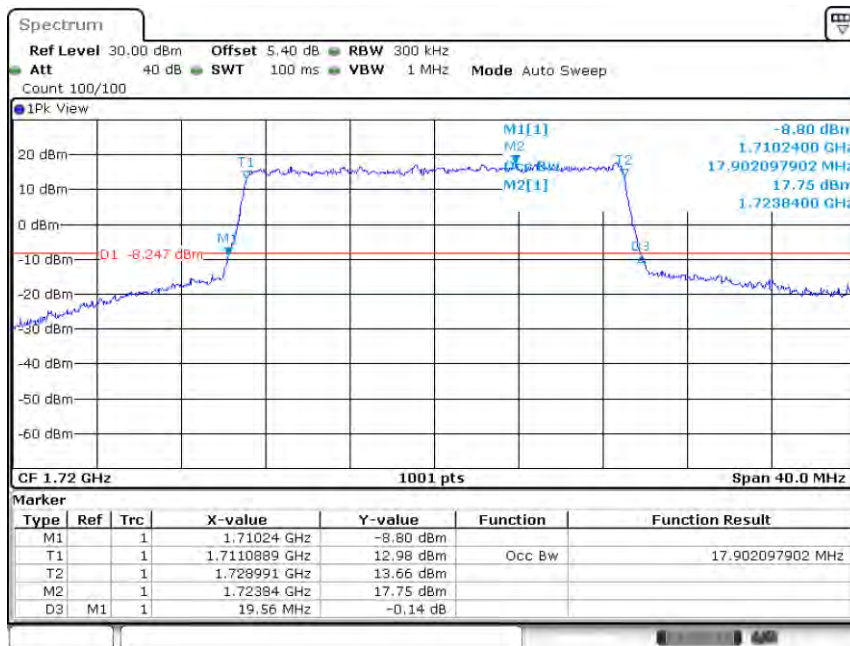


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 25 DEC. 2020 21:06:29

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



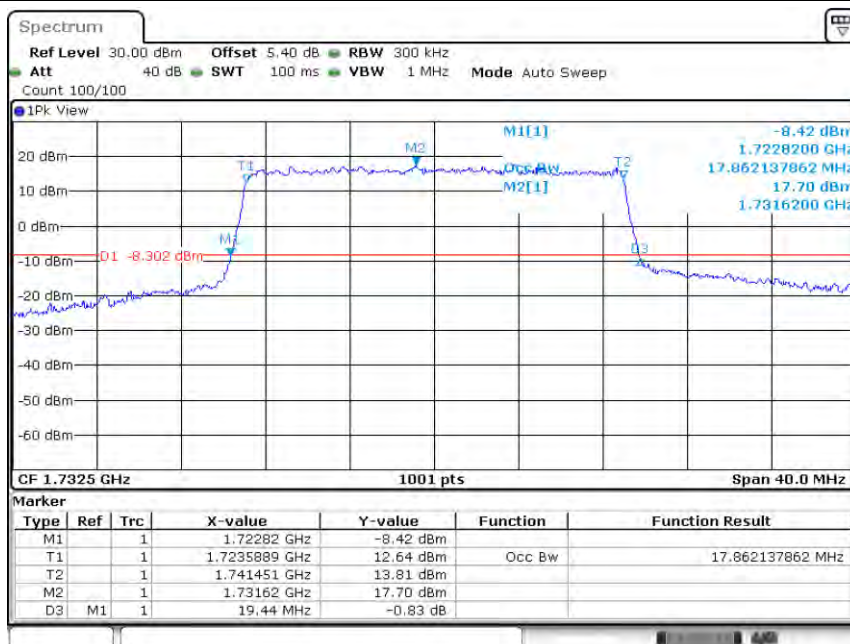
Date: 25 DEC. 2020 21:06:54



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

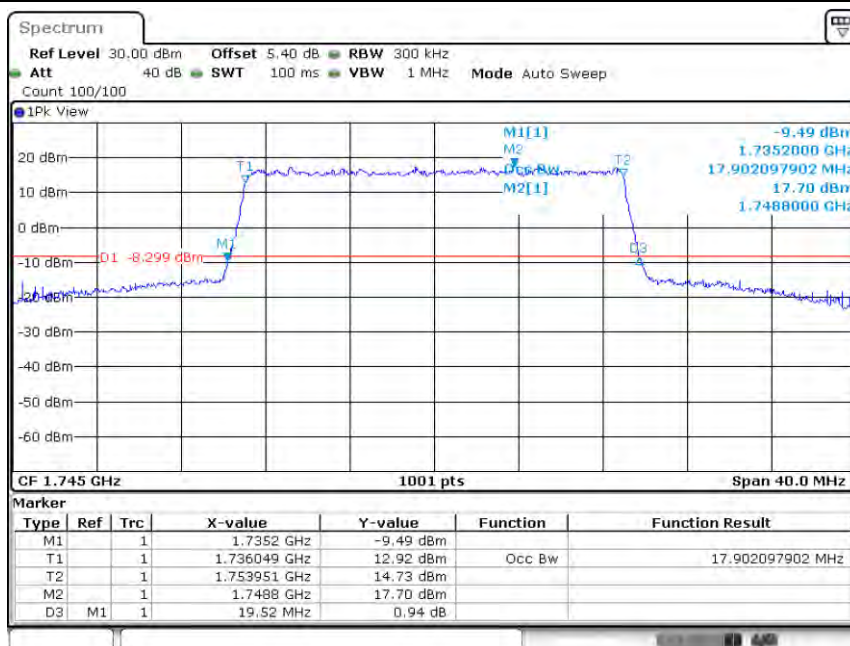
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 25 DEC. 2020 21:07:33

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



Date: 25 DEC. 2020 21:08:13

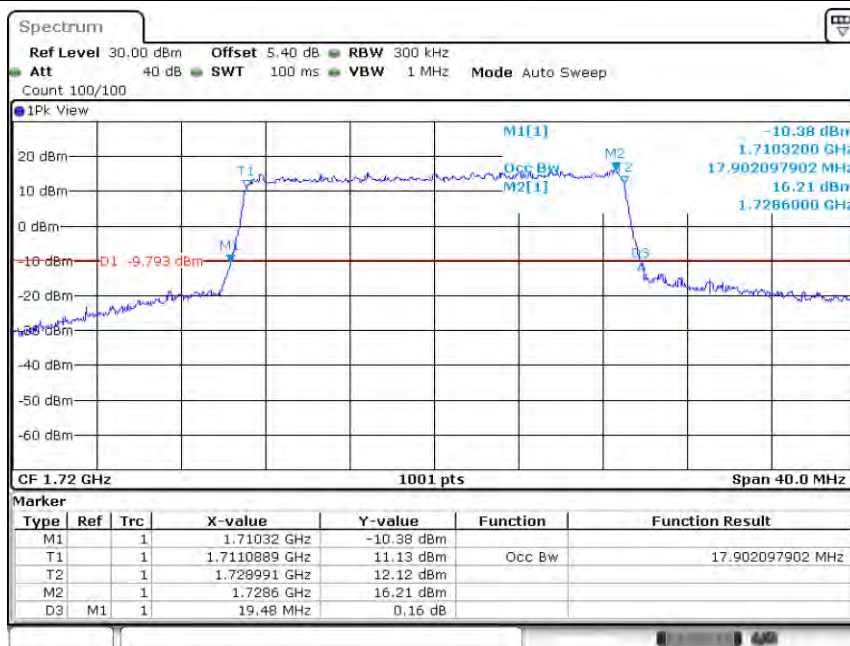


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

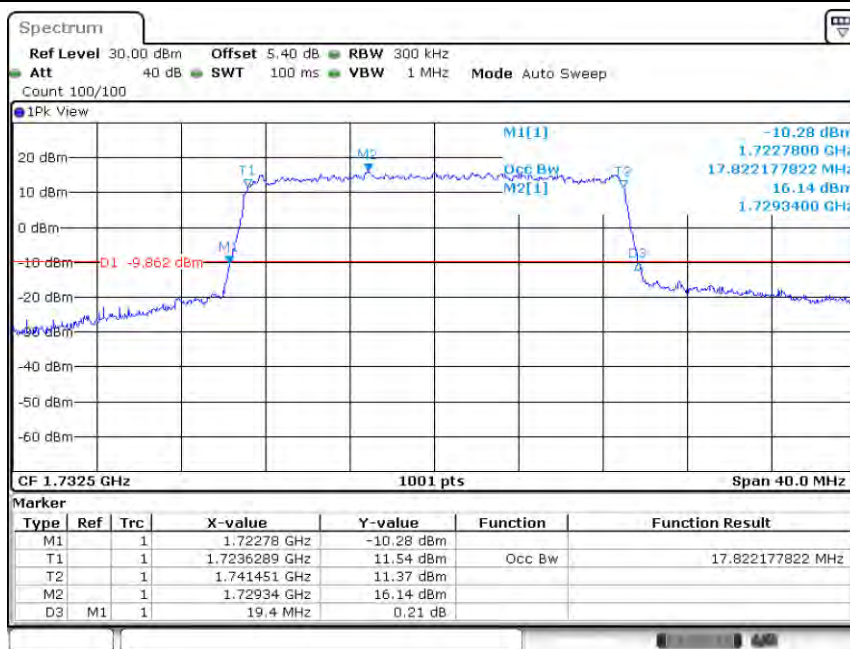


Band4-20MHz-64QAM-20050-100RB#0-17.902



Date: 28 DEC. 2020 08:31:06

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



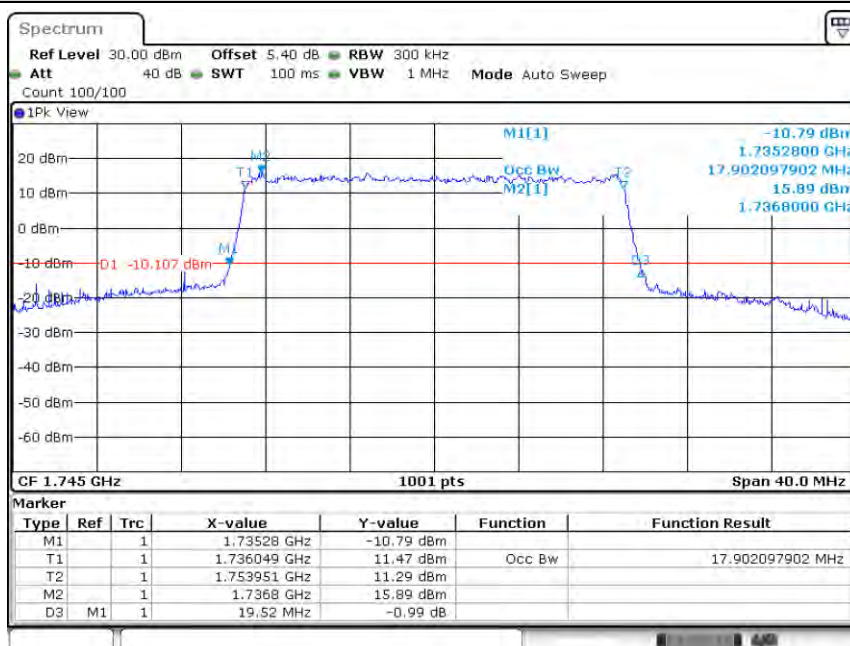
Date: 28 DEC. 2020 08:31:26



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

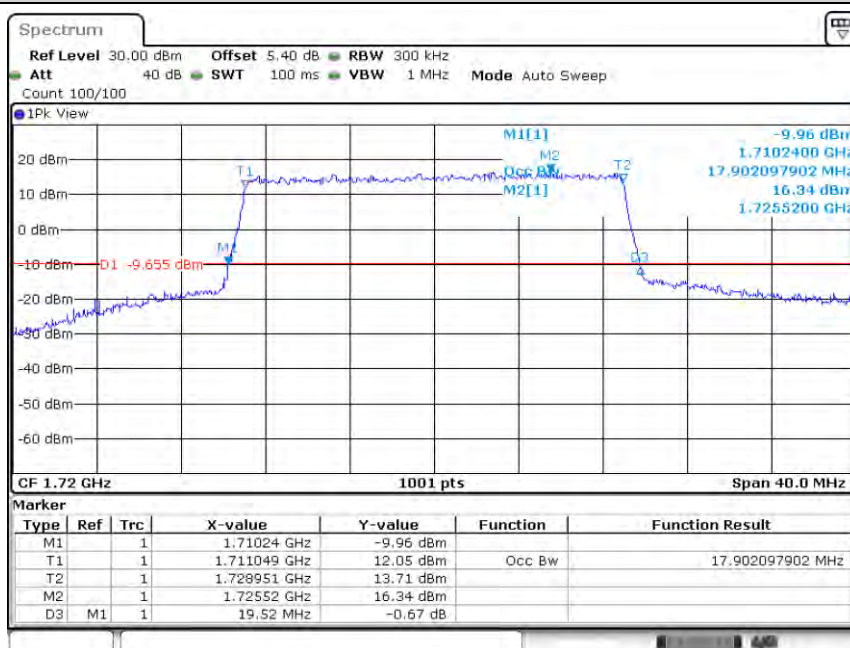
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 28 DEC. 2020 08:31:46

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



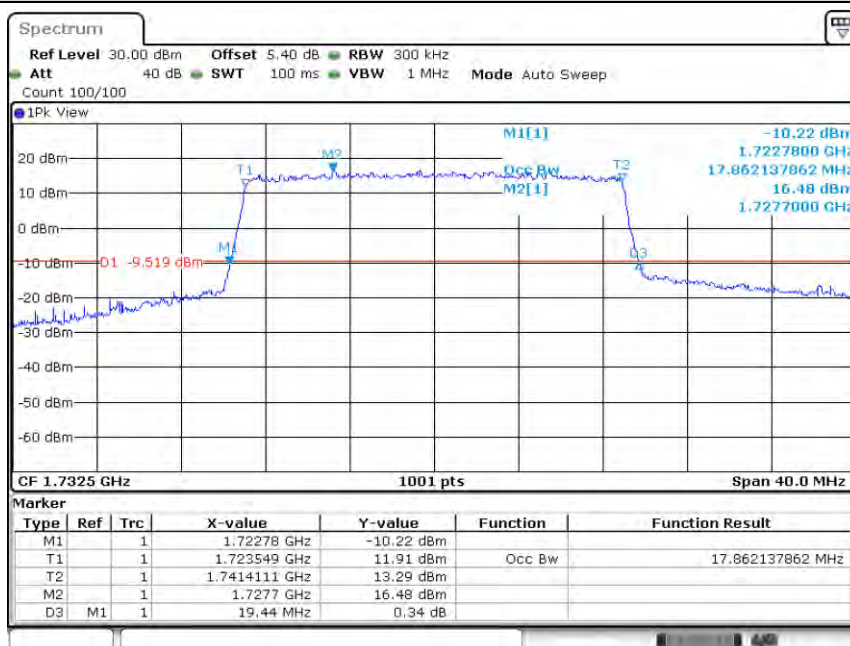
Date: 25 DEC. 2020 21:07:13



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.

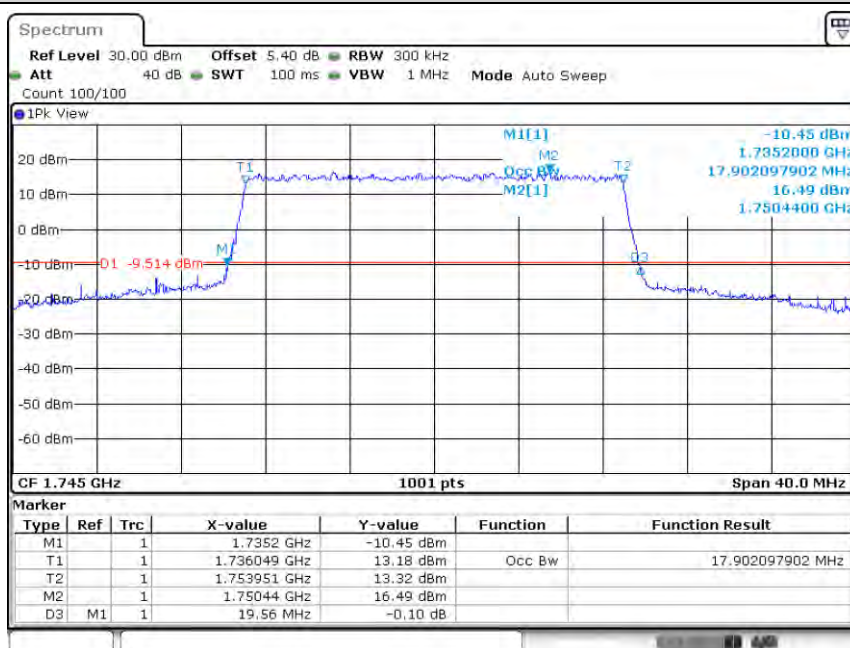
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 25 DEC. 2020 21:07:53

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



Date: 25 DEC. 2020 21:08:32



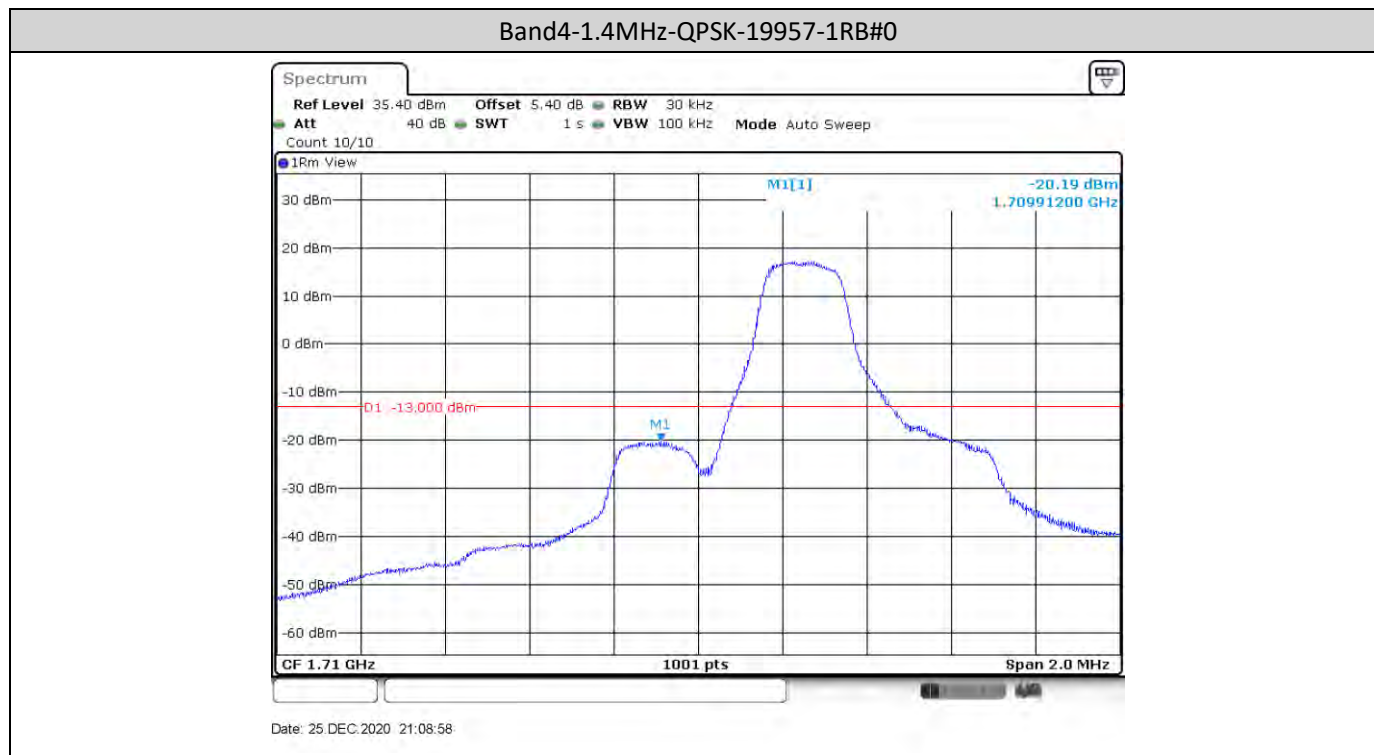
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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

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

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

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



Date: 25 DEC. 2020 21:09:39

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



Date: 25 DEC. 2020 21:10:25



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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 25 DEC. 2020 21:11:05

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



Date: 28 DEC. 2020 08:32:11



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) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

Member of the SGS Group (SGS SA)



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



Date: 28 DEC. 2020 08:32:32

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



Date: 28 DEC. 2020 08:32:57



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

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

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



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



Date: 28 DEC. 2020 08:33:17

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



Date: 25 DEC. 2020 21:09:19



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

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

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

Member of the SGS Group (SGS SA)



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



Date: 25 DEC. 2020 21:10:00

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



Date: 25 DEC. 2020 21:10:45



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

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



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



Date: 25 DEC. 2020 21:11:26

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



Date: 25 DEC. 2020 21:11:51



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



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



Date: 25 DEC. 2020 21:12:32

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



Date: 25 DEC. 2020 21:13:18



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) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

Member of the SGS Group (SGS SA)



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



Date: 25 DEC. 2020 21:13:59

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



Date: 28 DEC. 2020 08:33:43



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

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



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



Date: 28 DEC. 2020 08:34:04

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



Date: 28 DEC. 2020 08:34:29



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

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

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

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



Date: 28 DEC. 2020 08:34:49

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



Date: 25 DEC. 2020 21:12:12



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

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



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



Date: 25 DEC. 2020 21:12:53

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



Date: 25 DEC. 2020 21:13:38



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

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



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



Date: 25 DEC. 2020 21:14:19

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



Date: 25 DEC. 2020 21:14:45



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

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



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



Date: 25 DEC. 2020 21:15:27

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



Date: 25 DEC. 2020 21:16:12



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

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

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

Member of the SGS Group (SGS SA)



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



Date: 25 DEC. 2020 21:16:53

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



Date: 28 DEC. 2020 08:35:15



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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 28 DEC. 2020 08:35:35

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



Date: 28 DEC. 2020 08:36:00



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

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

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

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



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



Date: 28 DEC. 2020 08:36:21

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



Date: 25 DEC. 2020 21:15:06



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

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



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



Date: 25 DEC. 2020 21:15:47

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



Date: 25 DEC. 2020 21:16:33



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

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



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



Date: 25 DEC. 2020 21:17:14

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



Date: 25 DEC. 2020 21:17:39



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

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

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

Member of the SGS Group (SGS SA)

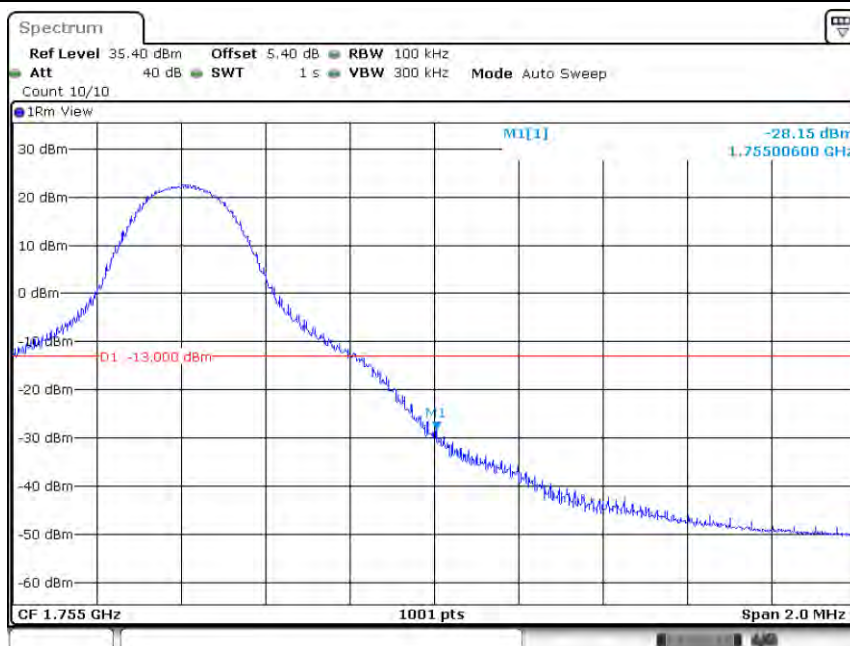


Band4-10MHz-QPSK-20000-50RB#0



Date: 25 DEC. 2020 21:18:20

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



Date: 25 DEC. 2020 21:19:06



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

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



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



Date: 25 DEC. 2020 21:19:47

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



Date: 28 DEC. 2020 08:36:50



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

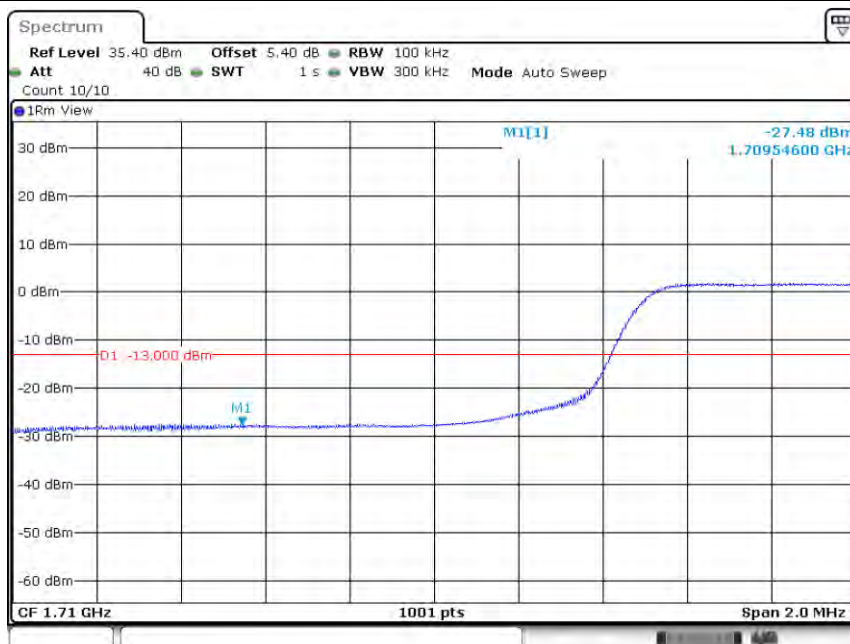
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

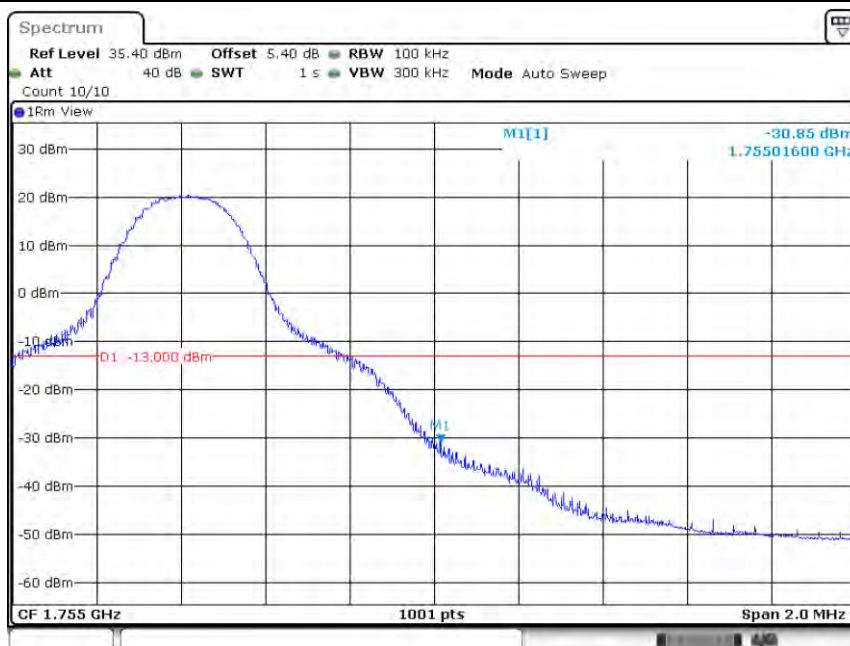


Band4-10MHz-64QAM-20000-50RB#0



Date: 28 DEC. 2020 08:37:11

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



Date: 28 DEC. 2020 08:37:36



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

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

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

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



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



Date: 28 DEC. 2020 08:37:56

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



Date: 25 DEC. 2020 21:18:00



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

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



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



Date: 25 DEC. 2020 21:18:41

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



Date: 25 DEC. 2020 21:19:26



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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 25 DEC. 2020 21:20:08

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



Date: 25 DEC. 2020 21:20:33



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

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



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



Date: 25 DEC. 2020 21:21:15

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



Date: 25 DEC. 2020 21:22:01



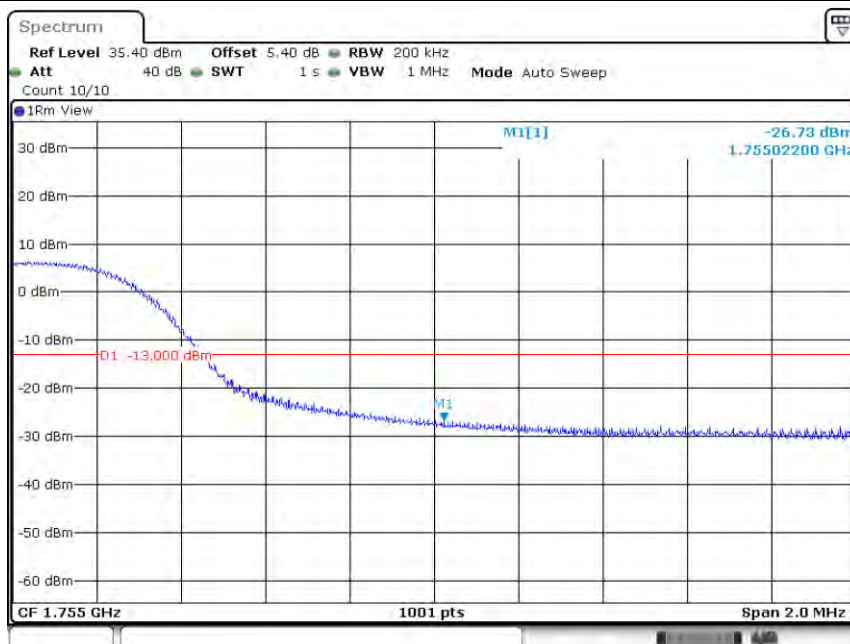
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 25 DEC. 2020 21:22:43

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



Date: 28 DEC. 2020 08:38:22



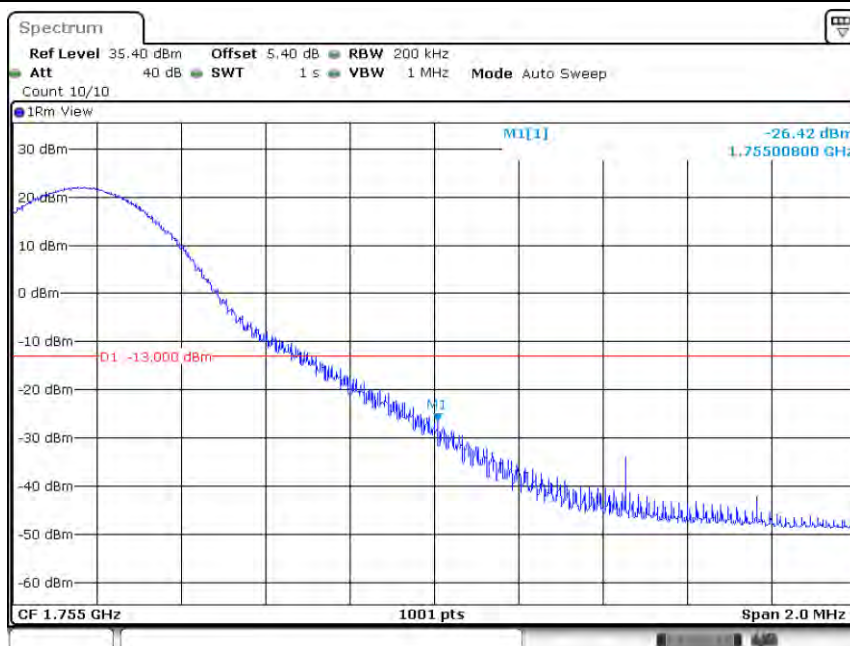


Band4-15MHz-64QAM-20025-75RB#0



Date: 28 DEC. 2020 08:38:43

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



Date: 28 DEC. 2020 08:39:08



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

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

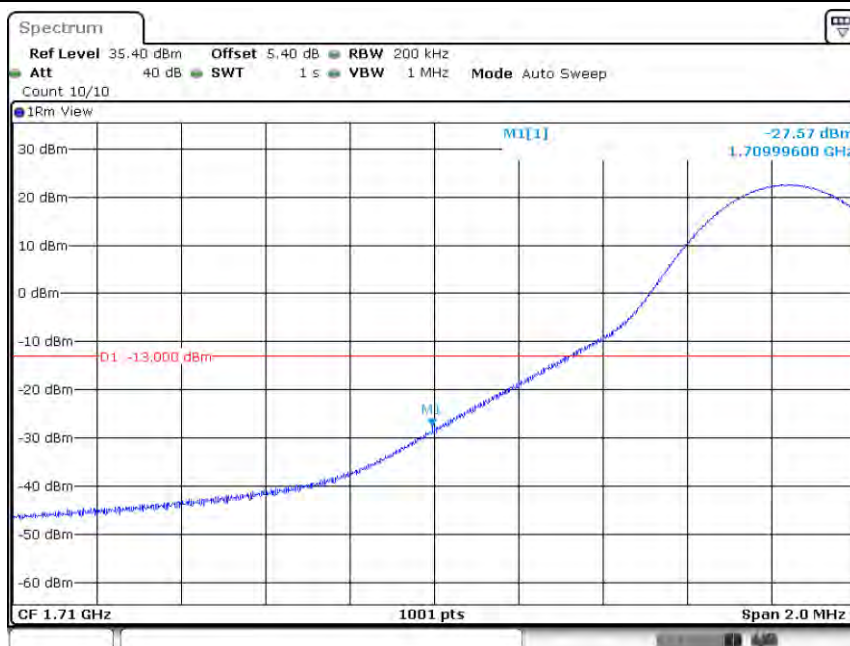


Band4-15MHz-64QAM-20325-75RB#0



Date: 28 DEC. 2020 08:39:28

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



Date: 25 DEC. 2020 21:20:54



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

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

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

Member of the SGS Group (SGS SA)

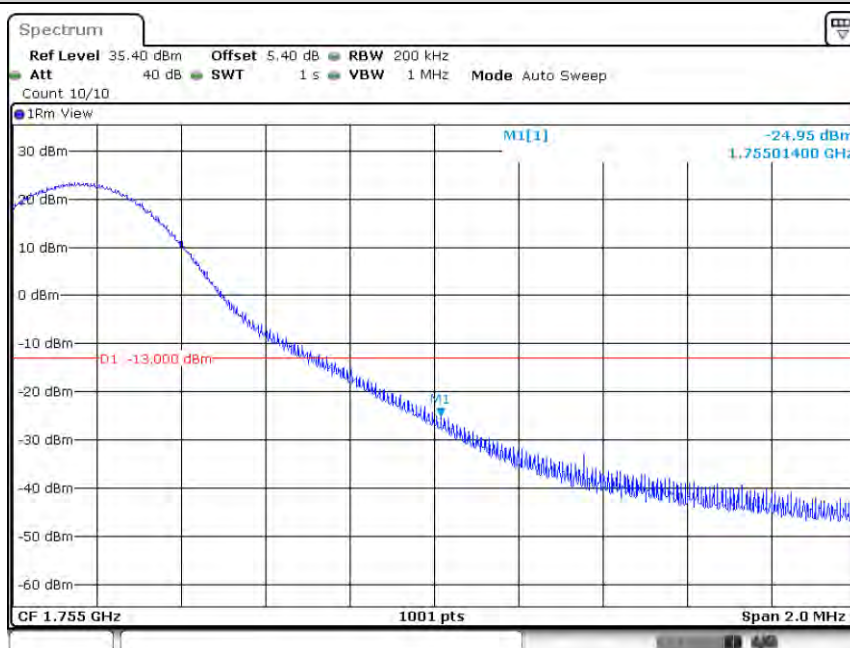


Band4-15MHz-16QAM-20025-75RB#0



Date: 25 DEC. 2020 21:21:35

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

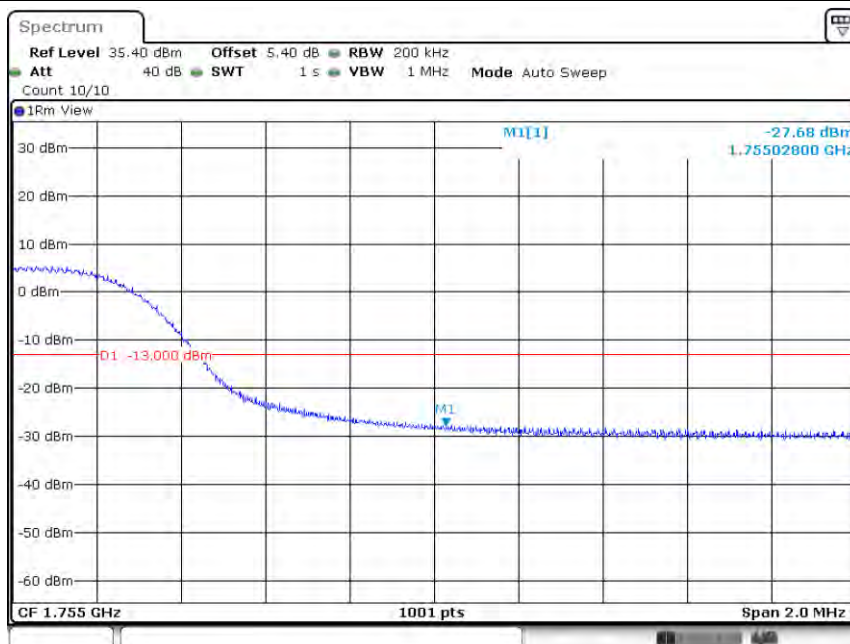


Date: 25 DEC. 2020 21:22:21





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



Date: 25 DEC. 2020 21:23:04

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



Date: 25 DEC. 2020 21:23:29



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 exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

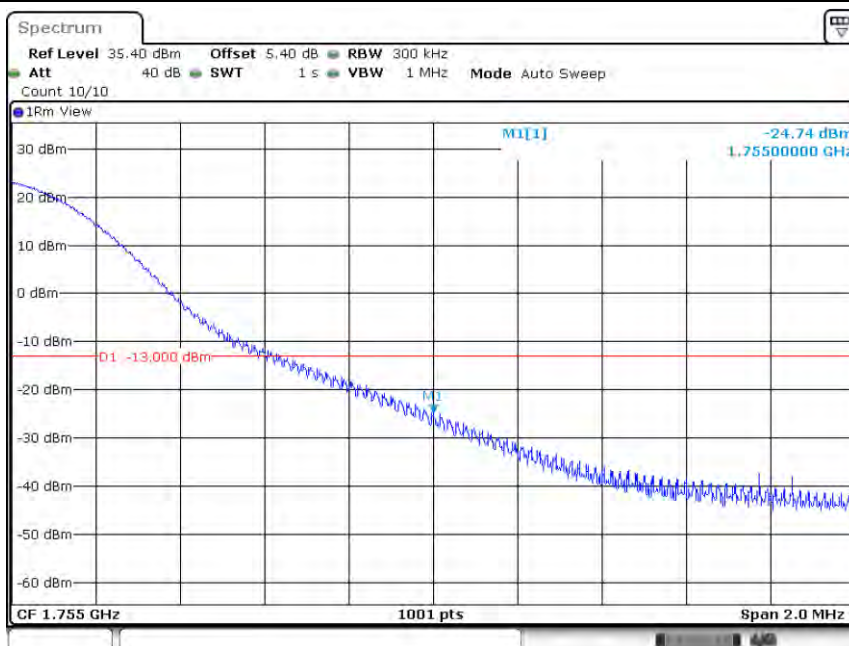


Band4-20MHz-QPSK-20050-100RB#0



Date: 25 DEC. 2020 21:24:10

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



Date: 25 DEC. 2020 21:24:56



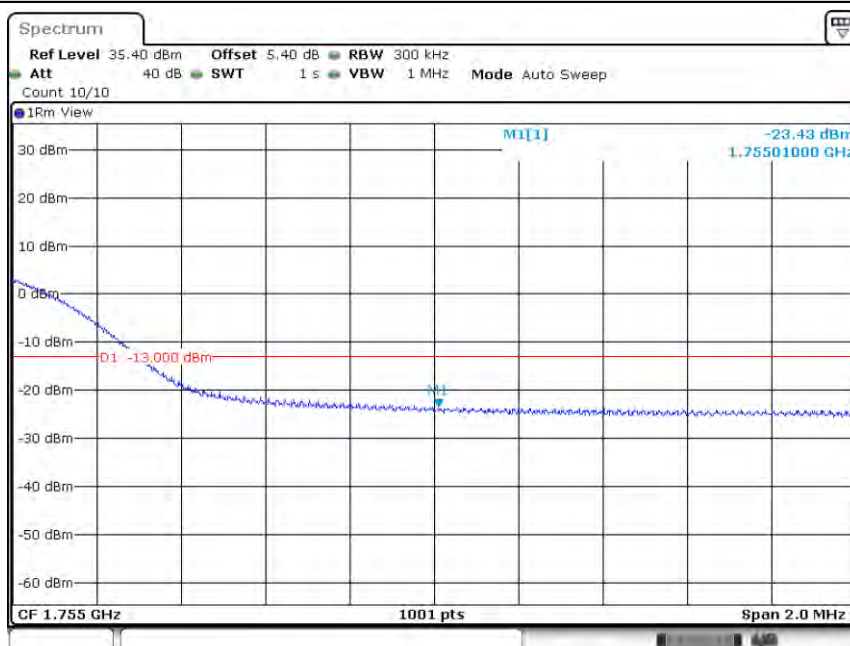
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 25 DEC. 2020 21:25:37

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



Date: 28 DEC. 2020 08:39:54



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

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

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

Member of the SGS Group (SGS SA)

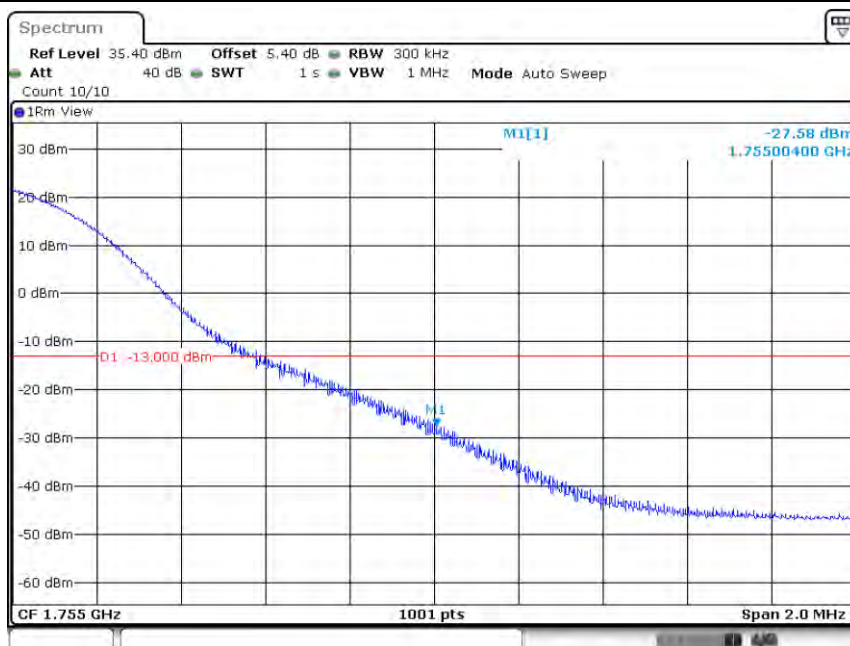


Band4-20MHz-64QAM-20050-100RB#0



Date: 28 DEC. 2020 08:40:14

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



Date: 28 DEC. 2020 08:40:40

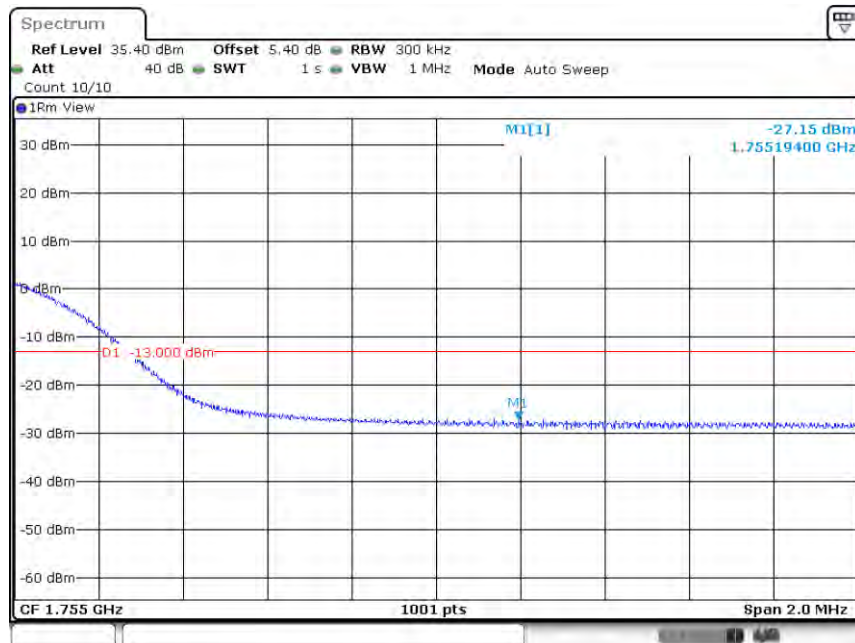


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 28 DEC. 2020 08:41:00

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



Date: 25 DEC. 2020 21:23:50



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

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

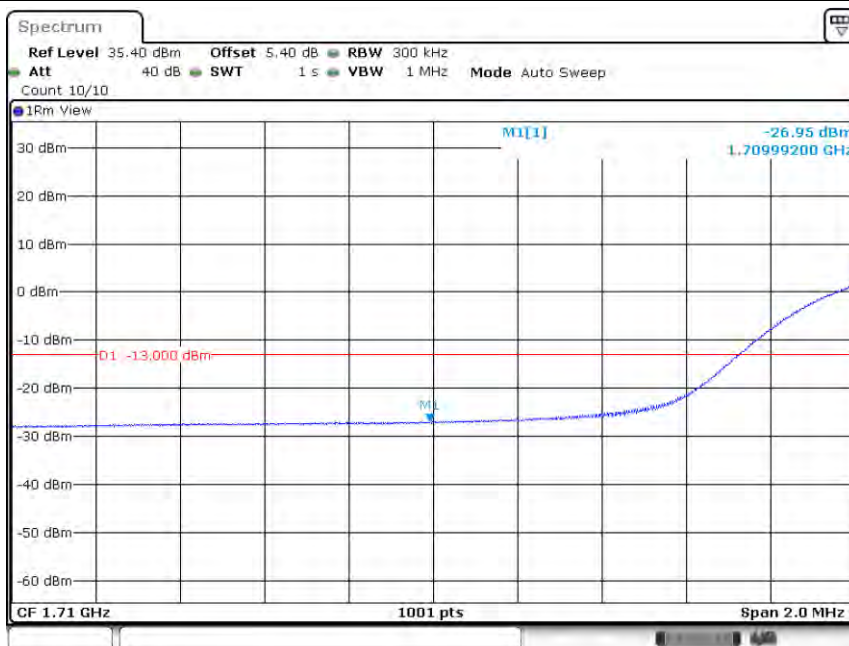
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Member of the SGS Group (SGS SA)

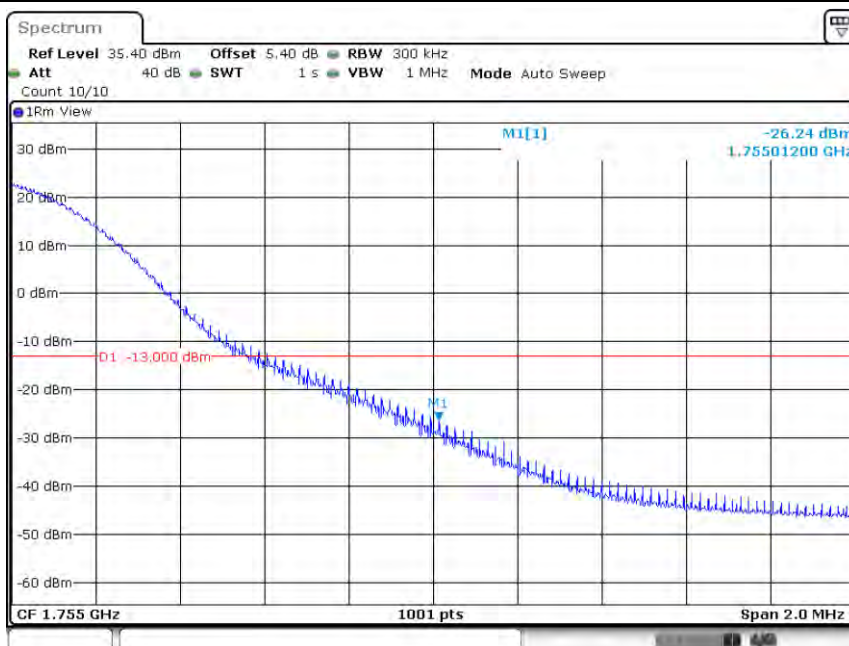


Band4-20MHz-16QAM-20050-100RB#0



Date: 25 DEC. 2020 21:24:31

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



Date: 25 DEC. 2020 21:25:17



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.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



Date: 25 DEC. 2020 21:25:58



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

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

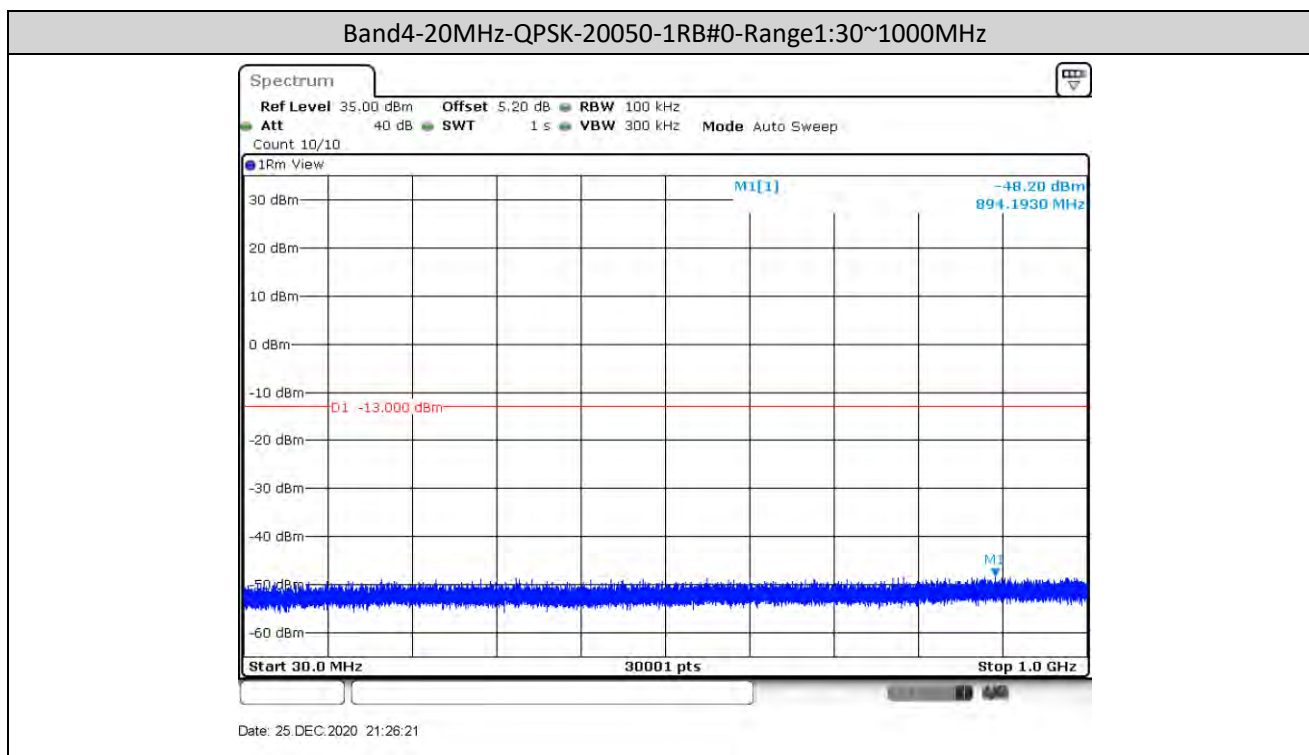
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

6. Spurious Emission at Antenna Terminal

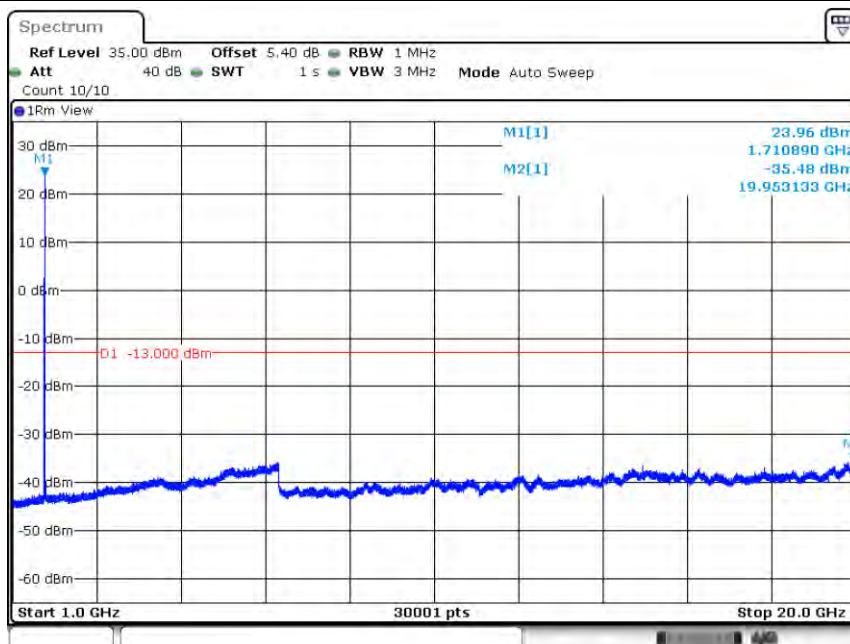
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

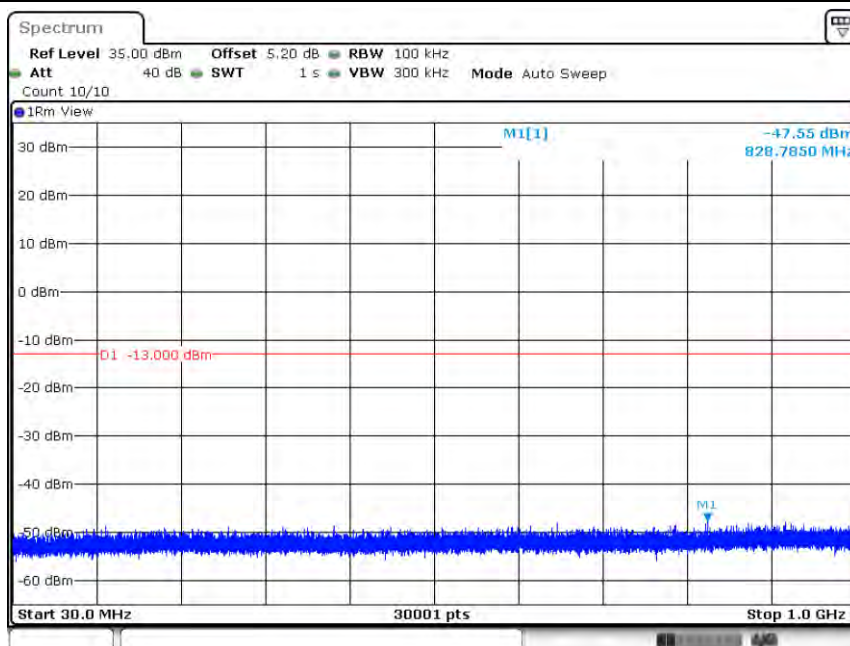


Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 25 DEC. 2020 21:26:38

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



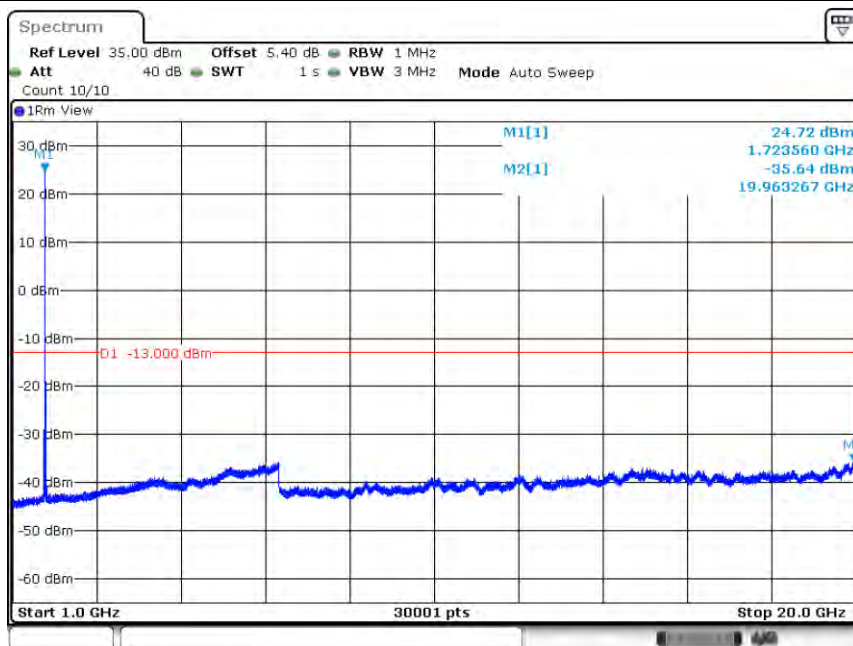
Date: 25 DEC. 2020 21:27:32



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

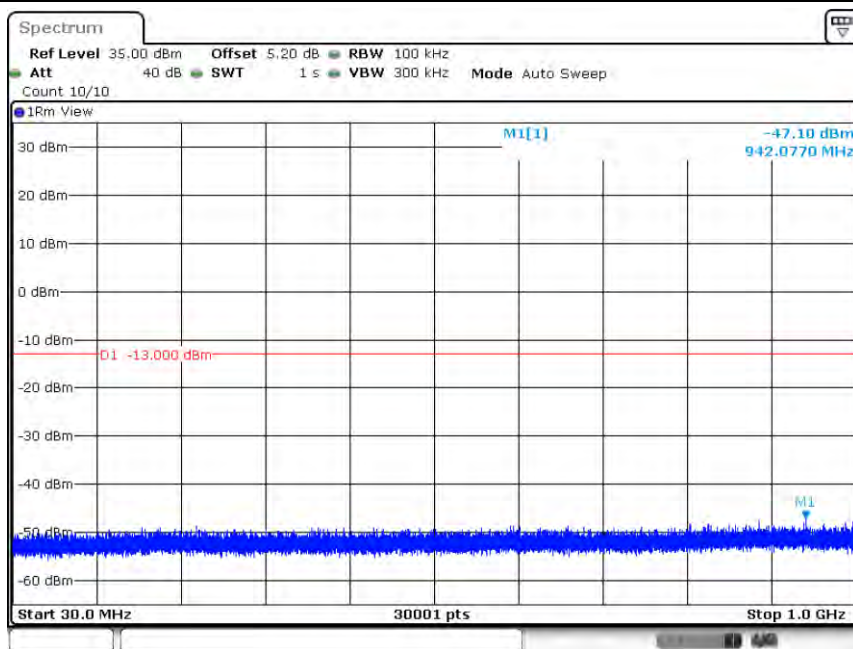
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 25 DEC. 2020 21:27:48

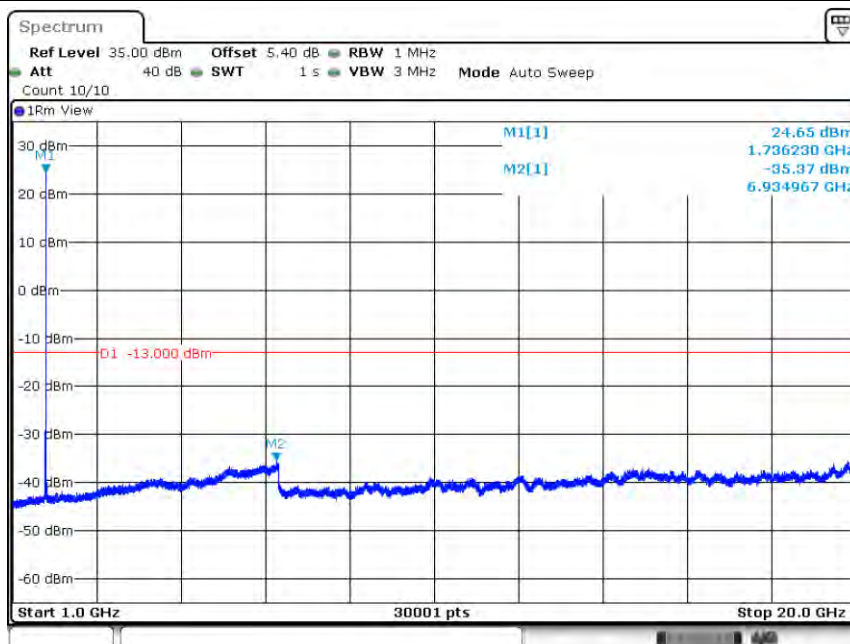
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 25 DEC. 2020 21:28:43

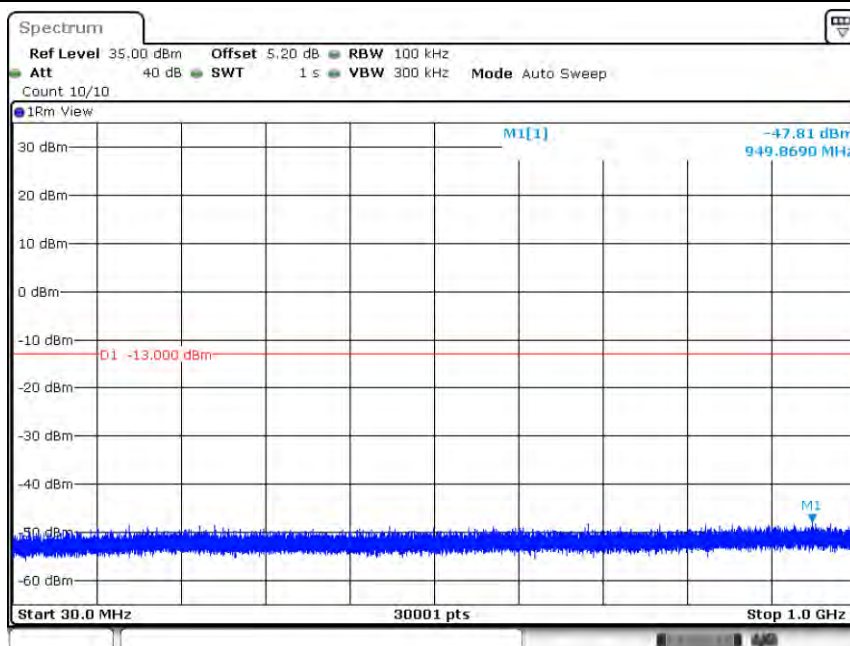


Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 25 DEC. 2020 21:28:59

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



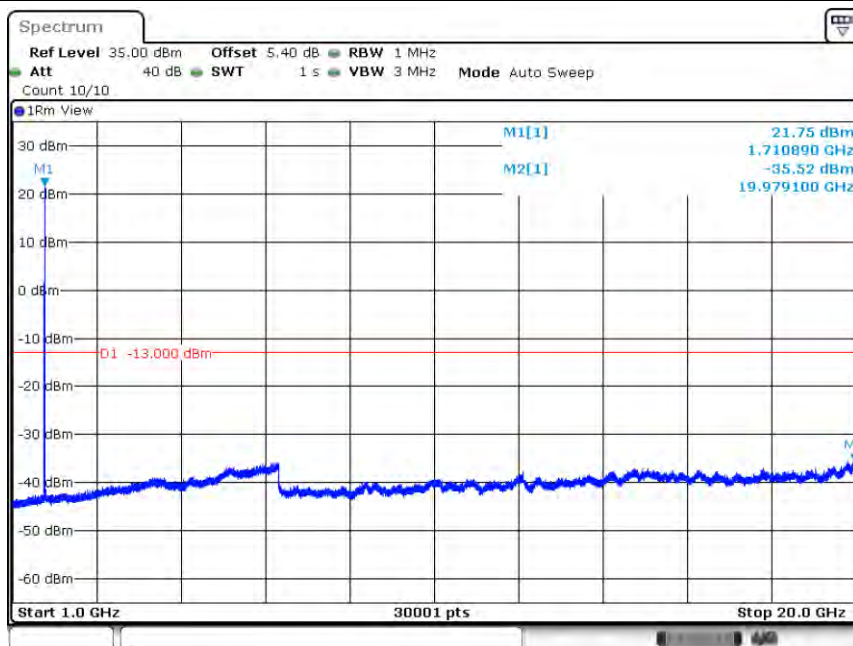
Date: 28 DEC. 2020 08:41:23



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.

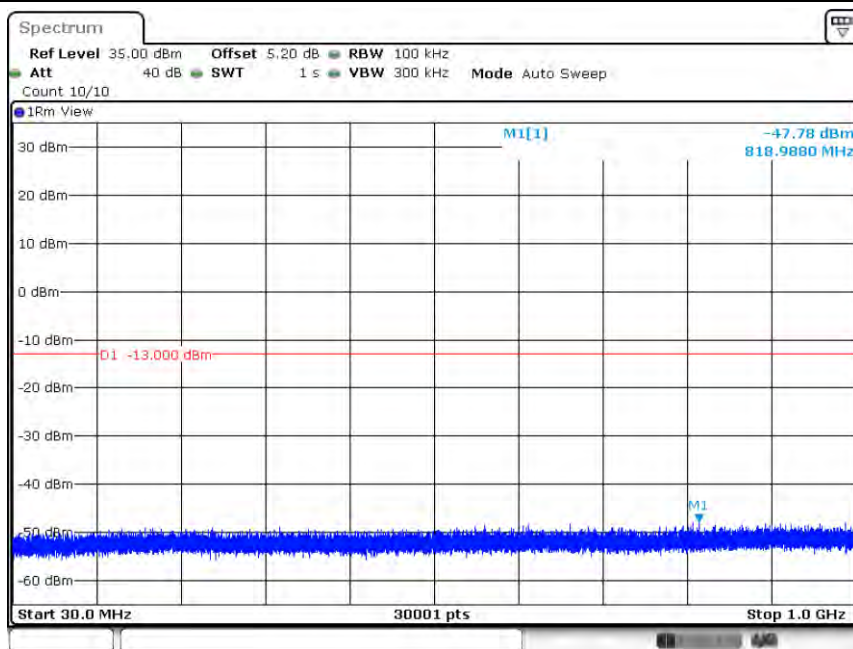
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 28 DEC. 2020 08:41:40

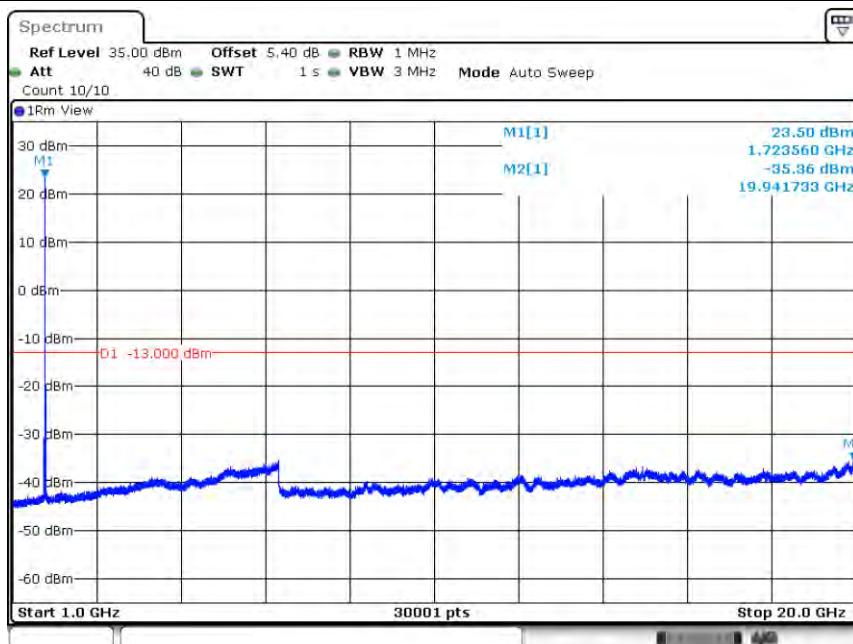
Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz



Date: 28 DEC. 2020 08:41:59

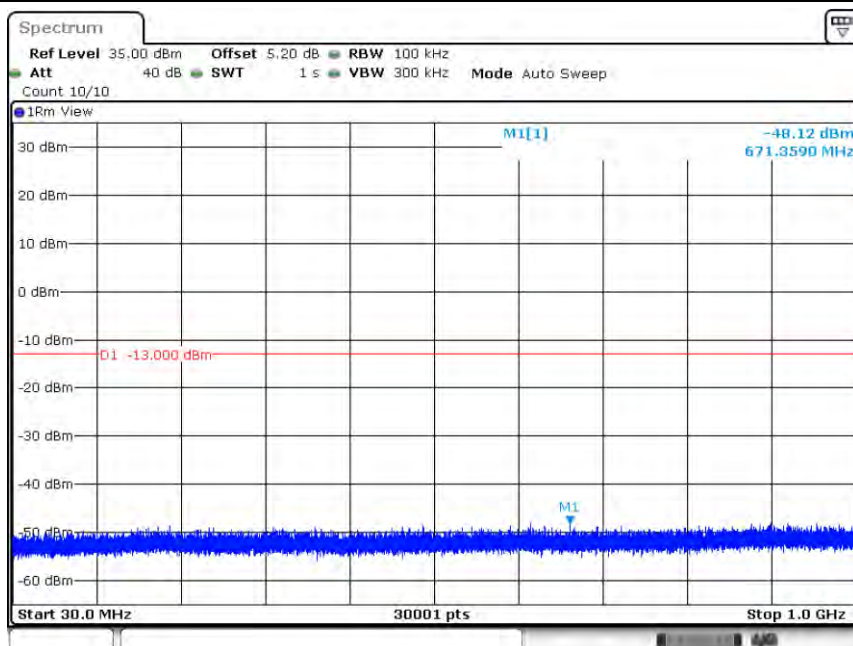


Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 28 DEC. 2020 08:42:15

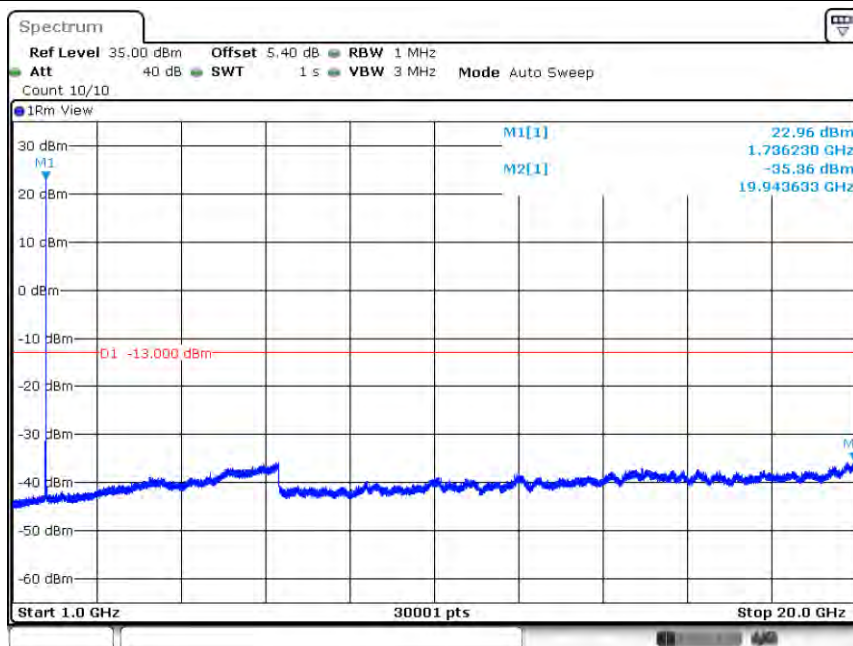
Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz



Date: 28 DEC. 2020 08:42:34

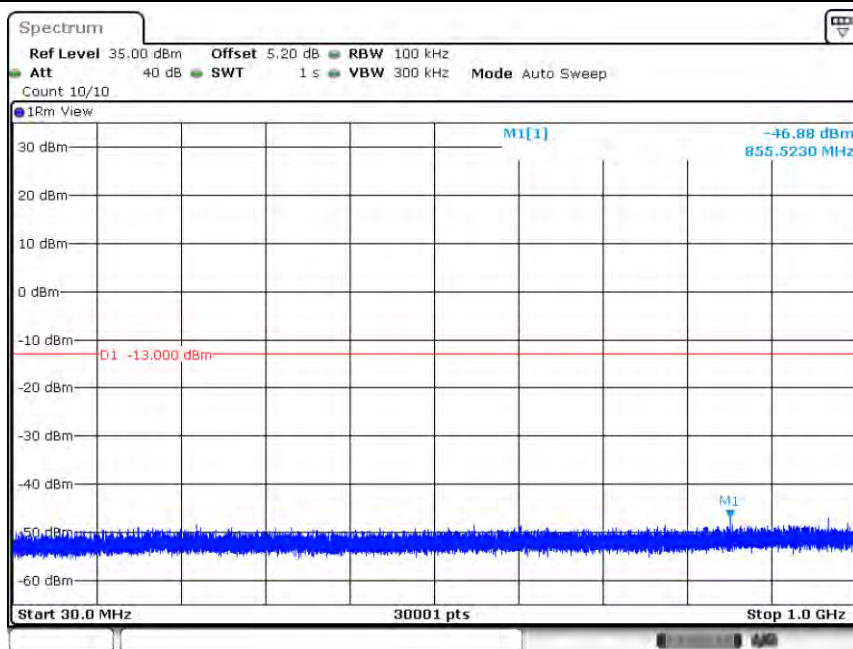


Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 28 DEC. 2020 08:42:51

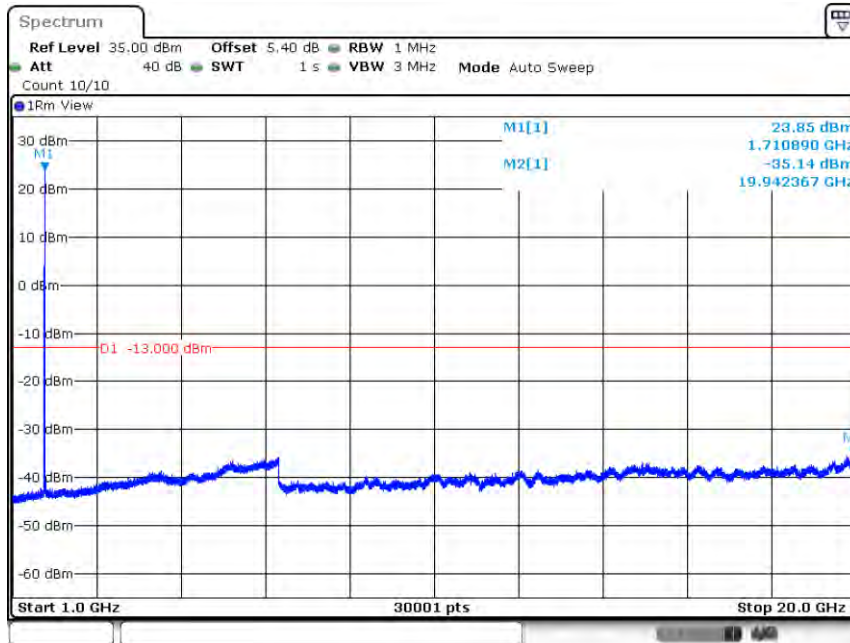
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Date: 25 DEC. 2020 21:26:57

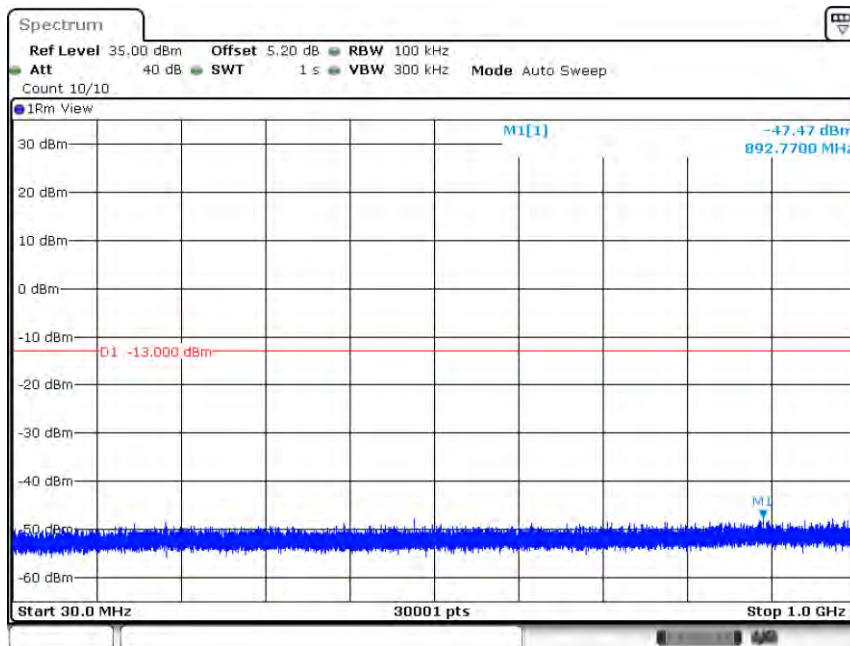


Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 25 DEC. 2020 21:27:13

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



Date: 25 DEC. 2020 21:28:08



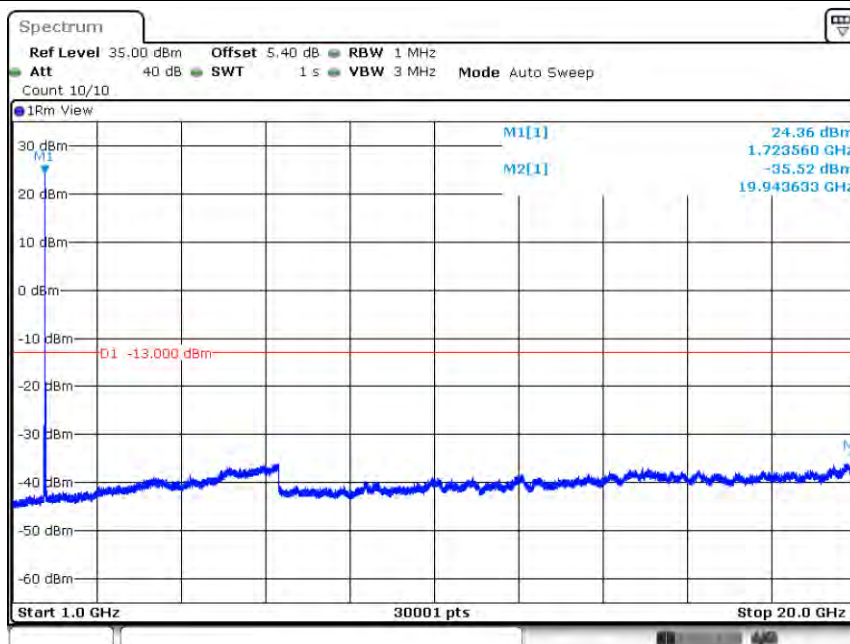
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

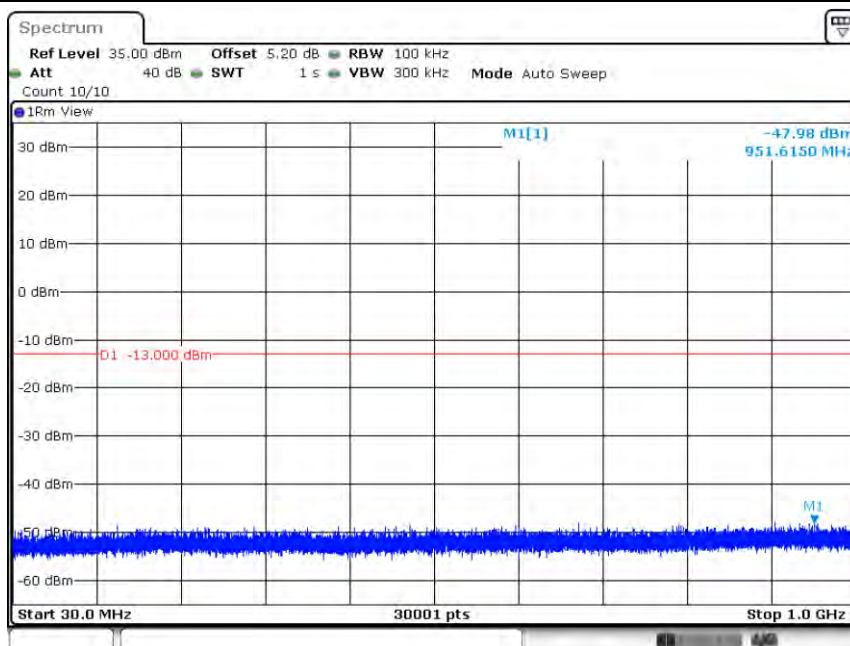
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 25 DEC. 2020 21:28:24

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



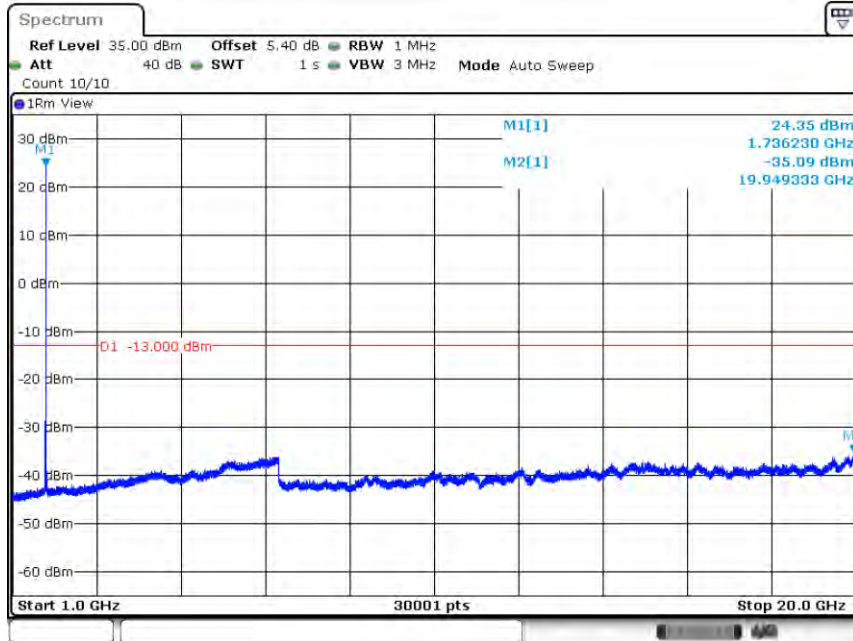
Date: 25 DEC. 2020 21:29:18



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

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



Date: 25 DEC. 2020 21:29:34



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

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



7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_4_TM1 ANT 2

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1627	-69.00	-62.02	-13.00	49.02	Horizontal
2	100.3285	-70.20	-74.70	-13.00	61.70	Horizontal
3	248.9399	-71.49	-68.90	-13.00	55.90	Horizontal
4	3166.0055	-52.02	-60.79	-13.00	47.79	Horizontal
5	7386.6462	-56.31	-56.40	-13.00	43.40	Horizontal
6	17997.499	-57.46	-44.38	-13.00	31.38	Horizontal





7.2. Test Band = LTE_4_TM1 ANT 2

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	31.4066	-68.84	-74.38	-13.00	61.38	Vertical
2	110.1745	-70.99	-64.60	-13.00	51.60	Vertical
3	620.4685	-70.63	-63.06	-13.00	50.06	Vertical
4	3422.0141	-48.00	-59.14	-13.00	46.14	Vertical
5	7365.6455	-56.61	-56.08	-13.00	43.08	Vertical
6	17999.000	-57.99	-40.14	-13.00	27.14	Vertical



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

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

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



7.3. Test Band = LTE_4_TM1 ANT 2

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.4352	-69.66	-62.72	-13.00	49.72	Horizontal
2	99.9890	-71.06	-75.54	-13.00	62.54	Horizontal
3	237.1054	-70.86	-68.06	-13.00	55.06	Horizontal
4	3447.5149	-50.47	-60.11	-13.00	47.11	Horizontal
5	7451.6484	-56.15	-56.18	-13.00	43.18	Horizontal
6	16388.446	-58.58	-44.34	-13.00	31.34	Horizontal



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

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



7.4. Test Band = LTE_4_TM1 ANT 2

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	31.1156	-68.32	-73.57	-13.00	60.57	Vertical
2	107.1189	-70.24	-64.50	-13.00	51.50	Vertical
3	388.6269	-70.41	-67.20	-13.00	54.20	Vertical
4	3447.5149	-47.50	-58.29	-13.00	45.29	Vertical
5	7361.6454	-56.53	-56.00	-13.00	43.00	Vertical
6	17982.999	-57.19	-39.74	-13.00	26.74	Vertical



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

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

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



7.5. Test Band = LTE_4_TM1 ANT 2

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39.6520	-70.17	-63.53	-13.00	50.53	Horizontal
2	99.8920	-71.08	-75.58	-13.00	62.58	Horizontal
3	238.1724	-70.56	-67.76	-13.00	54.76	Horizontal
4	3472.5158	-49.02	-58.33	-13.00	45.33	Horizontal
5	7433.6478	-56.24	-56.28	-13.00	43.28	Horizontal
6	16376.945	-58.40	-44.36	-13.00	31.36	Horizontal



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

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

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



7.6. Test Band = LTE_4_TM1 ANT 2

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	31.1641	-68.19	-73.49	-13.00	60.49	Vertical
2	112.6481	-70.43	-64.25	-13.00	51.25	Vertical
3	585.0133	-70.52	-63.62	-13.00	50.62	Vertical
4	3472.0157	-47.21	-57.66	-13.00	44.66	Vertical
5	7333.1444	-56.56	-56.06	-13.00	43.06	Vertical
6	17997.499	-58.07	-40.25	-13.00	27.25	Vertical



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

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



7.7. Test Band = LTE_4_TM1 ANT 3

7.7.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	37.1784	-69.32	-63.50	-13.00	50.50	Horizontal
2	91.6951	-70.35	-75.65	-13.00	62.65	Horizontal
3	245.8843	-70.97	-68.31	-13.00	55.31	Horizontal
4	3651.5217	-52.68	-61.01	-13.00	48.01	Horizontal
5	7393.1464	-56.97	-57.05	-13.00	44.05	Horizontal
6	16392.446	-59.50	-45.19	-13.00	32.19	Horizontal



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

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



7.8. Test Band = LTE_4_TM1 ANT 3

7.8.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.0970	-71.13	-75.38	-13.00	62.38	Vertical
2	114.0062	-70.97	-64.91	-13.00	51.91	Vertical
3	489.2210	-70.53	-66.18	-13.00	53.18	Vertical
4	3635.0212	-52.43	-61.61	-13.00	48.61	Vertical
5	7370.6457	-57.32	-56.79	-13.00	43.79	Vertical
6	17990.999	-58.69	-41.04	-13.00	28.04	Vertical



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

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

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



7.9. Test Band = LTE_4_TM1 ANT 3

7.9.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.2226	-70.30	-63.42	-13.00	50.42	Horizontal
2	101.3471	-70.34	-74.91	-13.00	61.91	Horizontal
3	231.8671	-70.93	-68.11	-13.00	55.11	Horizontal
4	3542.0181	-51.86	-60.44	-13.00	47.44	Horizontal
5	7479.1493	-57.17	-57.18	-13.00	44.18	Horizontal
6	16393.946	-59.24	-44.90	-13.00	31.90	Horizontal



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

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



7.10. Test Band = LTE_4_TM1 ANT 3

7.10.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.3880	-70.61	-75.14	-13.00	62.14	Vertical
2	108.3314	-70.39	-64.37	-13.00	51.37	Vertical
3	623.1847	-70.11	-62.55	-13.00	49.55	Vertical
4	3709.0236	-52.51	-61.83	-13.00	48.83	Vertical
5	7412.1471	-56.93	-56.43	-13.00	43.43	Vertical
6	17998.500	-59.13	-41.29	-13.00	28.29	Vertical



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

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



7.11. Test Band = LTE_4_TM1 ANT 3

7.11.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.4951	-69.91	-63.07	-13.00	50.07	Horizontal
2	86.0203	-70.40	-75.03	-13.00	62.03	Horizontal
3	234.8257	-71.19	-68.38	-13.00	55.38	Horizontal
4	3614.0205	-52.25	-60.40	-13.00	47.40	Horizontal
5	7444.6482	-57.08	-57.11	-13.00	44.11	Horizontal
6	16389.446	-59.36	-45.10	-13.00	32.10	Horizontal



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

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



7.12. Test Band = LTE_4_TM1 ANT 3

7.12.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.0485	-71.03	-75.23	-13.00	62.23	Vertical
2	113.6182	-70.89	-64.80	-13.00	51.80	Vertical
3	379.9935	-71.19	-67.92	-13.00	54.92	Vertical
4	3635.5212	-52.80	-61.98	-13.00	48.98	Vertical
5	7349.1450	-56.83	-56.32	-13.00	43.32	Vertical
6	17998.500	-58.82	-40.98	-13.00	27.98	Vertical

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.
- 4 The whole testing has assessed Ant1 & Ant2 & Ant3 & Ant5, But only the worst data Ant2&Ant3 has be reported



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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-8.20	-0.004767	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	5.10	0.002965	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-0.90	-0.000523	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-7.60	-0.004387	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-7.80	-0.004502	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	4.80	0.002771	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-8.10	-0.004642	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	-0.40	-0.000233	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	5.90	0.003430	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	-1.80	-0.001047	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-1.10	-0.000635	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-6.50	-0.003752	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	-8.30	-0.004791	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	5.60	0.003209	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-7.20	-0.004126	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	2.00	0.001146	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	3.00	0.001744	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-9.90	-0.005756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.10	0.001802	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	2.90	0.001674	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-1.70	-0.000981	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-8.10	-0.004675	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	3.70	0.002120	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-9.60	-0.005501	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.10	-0.002350	±2.5	PASS



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

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



8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-6.70	-0.003895	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-2.60	-0.001512	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	6.50	0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-6.30	-0.003663	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-5.10	-0.002965	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-2.50	-0.001453	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-7.60	-0.004419	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-0.30	-0.000174	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-7.80	-0.004535	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-6.20	-0.003579	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-7.50	-0.004329	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-8.90	-0.005137	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-5.30	-0.003059	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-5.90	-0.003405	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-6.80	-0.003925	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-4.60	-0.002655	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-5.30	-0.003059	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-8.10	-0.004675	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	3.20	0.001834	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-9.00	-0.005158	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-7.50	-0.004298	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-7.70	-0.004413	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-9.20	-0.005272	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	5.70	0.003266	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-11.20	-0.006418	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	1.80	0.001032	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	6.40	0.003721	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	-4.50	-0.002616	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	-9.50	-0.005523	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	5.60	0.003256	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	-11.00	-0.006395	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	-4.00	-0.002326	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	-8.30	-0.004826	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	1.50	0.000872	±2.5	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 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	100RB#0	NV	50	3.90	0.002267	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	2.10	0.001212	±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	-3.10	-0.001789	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-9.20	-0.005310	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	-5.10	-0.002944	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	4.50	0.002597	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	5.50	0.003175	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	7.00	0.004040	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	4.00	0.002309	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-7.00	-0.004011	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	3.90	0.002235	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-5.10	-0.002923	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-9.40	-0.005387	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-4.50	-0.002579	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-10.80	-0.006189	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	5.50	0.003152	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-5.40	-0.003095	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-0.60	-0.000349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	-3.10	-0.001802	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-2.70	-0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-6.30	-0.003663	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-3.40	-0.001977	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-7.50	-0.004360	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-6.30	-0.003663	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-3.70	-0.002151	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-10.00	-0.005772	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-2.30	-0.001328	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	5.50	0.003175	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	7.40	0.004271	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-10.20	-0.005887	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-2.20	-0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	6.60	0.003810	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	3.00	0.001732	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	5.30	0.003037	±2.5	PASS



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

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



Band4	20MHz	16QAM	20300	100RB#0	NV	-20	3.00	0.001719	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	2.00	0.001146	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	4.50	0.002579	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-7.40	-0.004241	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	1.10	0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-8.90	-0.005100	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.50	-0.003152	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-8.20	-0.004699	±2.5	PASS



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

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