



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)	15
2.1.	TEST RESULT	15
2.2.	TEST PLOTS.....	15
3.	MODULATION CHARACTERISTICS	20
3.1.	TEST MODE = LTE /TM1 20MHZ.....	20
3.1.1.	TEST CHANNEL = MCH.....	20
3.2.	TEST MODE = LTE /TM2 20MHZ.....	21
3.2.1.	TEST CHANNEL = MCH.....	21
3.3.	TEST MODE = LTE /TM3 20MHZ.....	22
3.3.1.	TEST CHANNEL = MCH.....	22
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	23
4.1.	TEST RESULT	23
4.2.	TEST PLOTS.....	25
5.	BAND EDGE COMPLIANCE	52
5.1.	TEST PLOTS.....	52
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	89
6.1.	TEST PLOTS.....	89
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	99
7.1.	TEST BAND = LTE_BAND=4 BW=20MHZ ANTO	99
7.1.1.	Test Channel = Low Channel	99
7.2.	TEST BAND = LTE_BAND=4 BW=20MHZ ANTO	100
7.2.1.	Test Channel = Low Channel	100
7.3.	TEST BAND = LTE_BAND=4 BW=20MHZ ANTO	101
7.3.1.	Test Channel = Mid Channel	101
7.4.	TEST BAND = LTE_BAND=4 BW=20MHZ ANTO	102
7.4.1.	Test Channel = Mid Channel	102
7.5.	TEST BAND = LTE_BAND=4 BW=20MHZ ANTO	103



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



7.5.1.	Test Channel = High Channel	103
7.6.	TEST BAND = LTE_BAND=4 BW=20MHz ANT0	104
7.6.1.	Test Channel = High Channel	104
7.7.	TEST BAND = LTE_BAND=4 BW=20MHz ANT3	105
7.7.1.	Test Channel = Low Channel	105
7.8.	TEST BAND = LTE_BAND=4 BW=20MHz ANT3	106
7.8.1.	Test Channel = Low Channel	106
7.9.	TEST BAND = LTE_BAND=4 BW=20MHz ANT3	107
7.9.1.	Test Channel = Mid Channel	107
7.10.	TEST BAND = LTE_BAND=4 BW=20MHz ANT3	108
7.10.1.	Test Channel = Mid Channel	108
7.11.	TEST BAND = LTE_BAND=4 BW=20MHz ANT3	109
7.11.1.	Test Channel = Mid Channel	109
7.12.	TEST BAND = LTE_BAND=4 BW=20MHz ANT3	110
7.12.1.	Test Channel = Mid Channel	110
8.	FREQUENCY STABILITY	111
8.1.	FREQUENCY VS VOLTAGE	111
8.2.	FREQUENCY VS TEMPERATURE	112





1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT0:

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.33	22.83	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.24	22.74	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.48	22.98	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.22	22.72	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.10	22.60	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.11	22.61	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.19	21.69	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.08	22.58	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.94	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.12	22.62	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.09	22.59	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.19	22.69	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.22	22.72	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.16	21.66	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.03	22.53	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.13	22.63	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.08	22.58	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.08	22.58	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.13	22.63	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.11	22.61	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.05	21.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.45	21.95	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.57	22.07	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.42	21.92	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	23.21	21.71	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	23.08	21.58	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.16	21.66	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.14	20.64	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.19	21.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.13	21.63	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.39	21.89	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	23.18	21.68	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.02	21.52	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.01	21.51	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.16	20.66	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.23	21.73	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.26	21.76	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.95	21.45	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.12	21.62	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.12	21.62	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.13	21.63	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.10	20.60	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.28	20.78	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.20	20.70	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	22.41	20.91	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	22.21	20.71	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	22.04	20.54	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	22.10	20.60	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	21.11	19.61	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.99	20.49	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.87	20.37	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.04	20.54	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	22.07	20.57	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	22.11	20.61	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	22.15	20.65	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.08	19.58	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.00	20.50	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.05	20.55	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.05	20.55	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.99	20.49	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	22.11	20.61	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	22.06	20.56	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.99	19.49	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.18	22.68	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.15	22.65	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.07	22.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.13	21.63	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.07	21.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.09	21.59	30.00	PASS



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

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

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



Band4	3MHz	QPSK	19965	15RB#0	23.06	21.56	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.05	22.55	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.15	22.65	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.17	22.67	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.14	21.64	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.05	21.55	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.13	21.63	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.13	21.63	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.07	22.57	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.11	22.61	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.12	22.62	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.11	21.61	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.11	21.61	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	23.09	21.59	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.13	21.63	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.50	22.00	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.54	22.04	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.23	21.73	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.14	20.64	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.17	20.67	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.09	20.59	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.16	20.66	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.58	22.08	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.22	21.72	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.59	22.09	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.11	20.61	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.29	20.79	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.11	20.61	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.19	20.69	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.19	21.69	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.28	21.78	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.37	21.87	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.15	20.65	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.09	20.59	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.13	20.63	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.13	20.63	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.16	20.66	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.10	20.60	30.00	PASS



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

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

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



Band4	3MHz	64QAM	19965	1RB#14	22.05	20.55	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	21.09	19.59	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.98	19.48	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	21.06	19.56	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	21.04	19.54	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.02	20.52	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.13	20.63	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.09	20.59	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	21.07	19.57	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	21.04	19.54	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	21.06	19.56	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.06	19.56	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	22.01	20.51	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.09	20.59	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.11	20.61	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	21.04	19.54	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	21.09	19.59	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	21.07	19.57	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.10	19.60	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.22	22.72	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.11	22.61	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.07	22.57	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.10	21.60	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.12	21.62	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.16	21.66	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.12	21.62	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.20	22.70	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.13	22.63	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.20	22.70	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.23	21.73	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.19	21.69	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.16	21.66	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.13	21.63	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.14	22.64	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.07	22.57	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.17	22.67	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.16	21.66	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.20	21.70	30.00	PASS



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

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

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

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



Band4	5MHz	QPSK	20375	12RB#13	23.11	21.61	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.19	21.69	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.41	21.91	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.37	21.87	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.93	21.43	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	22.14	20.64	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.13	20.63	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.07	20.57	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.23	20.73	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.41	21.91	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.61	22.11	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.95	21.45	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.12	20.62	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.11	20.61	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.12	20.62	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.08	20.58	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.41	21.91	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.87	21.37	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.11	21.61	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.14	20.64	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.12	20.62	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.07	20.57	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.10	20.60	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.18	20.68	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.08	20.58	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.03	20.53	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	21.09	19.59	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	21.07	19.57	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	21.08	19.58	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.04	19.54	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.11	20.61	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.11	20.61	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.18	20.68	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	21.21	19.71	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	21.12	19.62	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	21.12	19.62	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	21.12	19.62	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.10	20.60	30.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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	21.98	20.48	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.15	20.65	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	21.11	19.61	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	21.13	19.63	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	21.06	19.56	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.13	19.63	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.22	22.72	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.22	22.72	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.30	22.80	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.04	21.54	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.11	21.61	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.31	21.81	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.17	21.67	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.12	22.62	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.18	22.68	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.14	22.64	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.21	21.71	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.16	21.66	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.14	21.64	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.23	21.73	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.19	22.69	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.15	22.65	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.04	22.54	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.10	21.60	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.11	21.61	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.13	21.63	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.16	21.66	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.63	22.13	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.95	21.45	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.14	21.64	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.04	20.54	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.20	20.70	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.30	20.80	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.13	20.63	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.23	21.73	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.45	21.95	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.53	22.03	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.14	20.64	30.00	PASS



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

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

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

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



Band4	10MHz	16QAM	20175	25RB#12	22.13	20.63	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.09	20.59	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.08	20.58	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.69	22.19	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.08	21.58	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.19	21.69	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.13	20.63	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.14	20.64	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.12	20.62	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.20	20.70	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.17	20.67	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.16	20.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.22	20.72	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.97	19.47	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	21.07	19.57	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	21.28	19.78	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.13	19.63	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.04	20.54	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.09	20.59	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.05	20.55	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	21.16	19.66	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	21.09	19.59	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	21.13	19.63	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.17	19.67	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.17	20.67	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.13	20.63	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.99	20.49	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	21.03	19.53	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	21.08	19.58	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	21.07	19.57	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.12	19.62	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.00	22.50	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.40	22.90	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.09	22.59	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.05	21.55	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	23.12	21.62	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.07	21.57	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.08	21.58	30.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.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	20175	1RB#0	24.36	22.86	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.13	22.63	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.23	22.73	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.10	21.60	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.10	21.60	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.11	21.61	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.09	21.59	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.31	22.81	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.43	22.93	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.05	22.55	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.04	21.54	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	23.11	21.61	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	23.11	21.61	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.12	21.62	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.48	21.98	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.62	22.12	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.31	21.81	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.06	20.56	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.12	20.62	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.10	20.60	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.05	20.55	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.44	21.94	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.65	22.15	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.18	21.68	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.13	20.63	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.13	20.63	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.07	20.57	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.08	20.58	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.51	22.01	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.12	21.62	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.93	21.43	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.00	20.50	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.11	20.61	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.08	20.58	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.12	20.62	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.95	20.45	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.37	20.87	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	22.07	20.57	30.00	PASS



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

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

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

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



Band4	15MHz	64QAM	20025	38RB#0	21.00	19.50	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	21.10	19.60	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	21.06	19.56	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	21.05	19.55	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.33	20.83	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.05	20.55	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.15	20.65	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	21.08	19.58	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	21.07	19.57	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	21.03	19.53	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.07	19.57	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.24	20.74	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.42	20.92	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.00	20.50	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	20.97	19.47	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	21.03	19.53	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	21.04	19.54	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.04	19.54	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.17	22.67	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.07	22.57	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.18	22.68	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.07	21.57	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.23	21.73	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.12	21.62	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.04	21.54	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.06	22.56	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.36	22.86	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.05	22.55	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.23	21.73	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.13	21.63	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.15	21.65	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.15	21.65	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.22	22.72	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.08	22.58	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.05	22.55	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.11	21.61	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.22	21.72	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.18	21.68	30.00	PASS



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

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

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

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



Band4	20MHz	QPSK	20300	100RB#0	23.10	21.60	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.24	21.74	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.54	22.04	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.54	22.04	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.06	20.56	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.07	20.57	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.04	20.54	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.14	21.64	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.65	22.15	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.51	22.01	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.19	20.69	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.06	20.56	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.16	20.66	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.41	21.91	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.56	22.06	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.00	21.50	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.09	20.59	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.25	20.75	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.06	20.56	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.13	20.63	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.00	20.50	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.11	20.61	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.99	19.49	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	21.21	19.71	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.05	19.55	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.02	19.52	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.05	20.55	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.33	20.83	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.99	20.49	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	21.18	19.68	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	21.06	19.56	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	21.07	19.57	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.12	19.62	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.16	20.66	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.05	20.55	30.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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	21.98	20.48	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	21.03	19.53	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.18	19.68	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	21.17	19.67	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.09	19.59	30.00	PASS

Remark:

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

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

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

The conducted Power is measured by Base Station Simulator



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

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

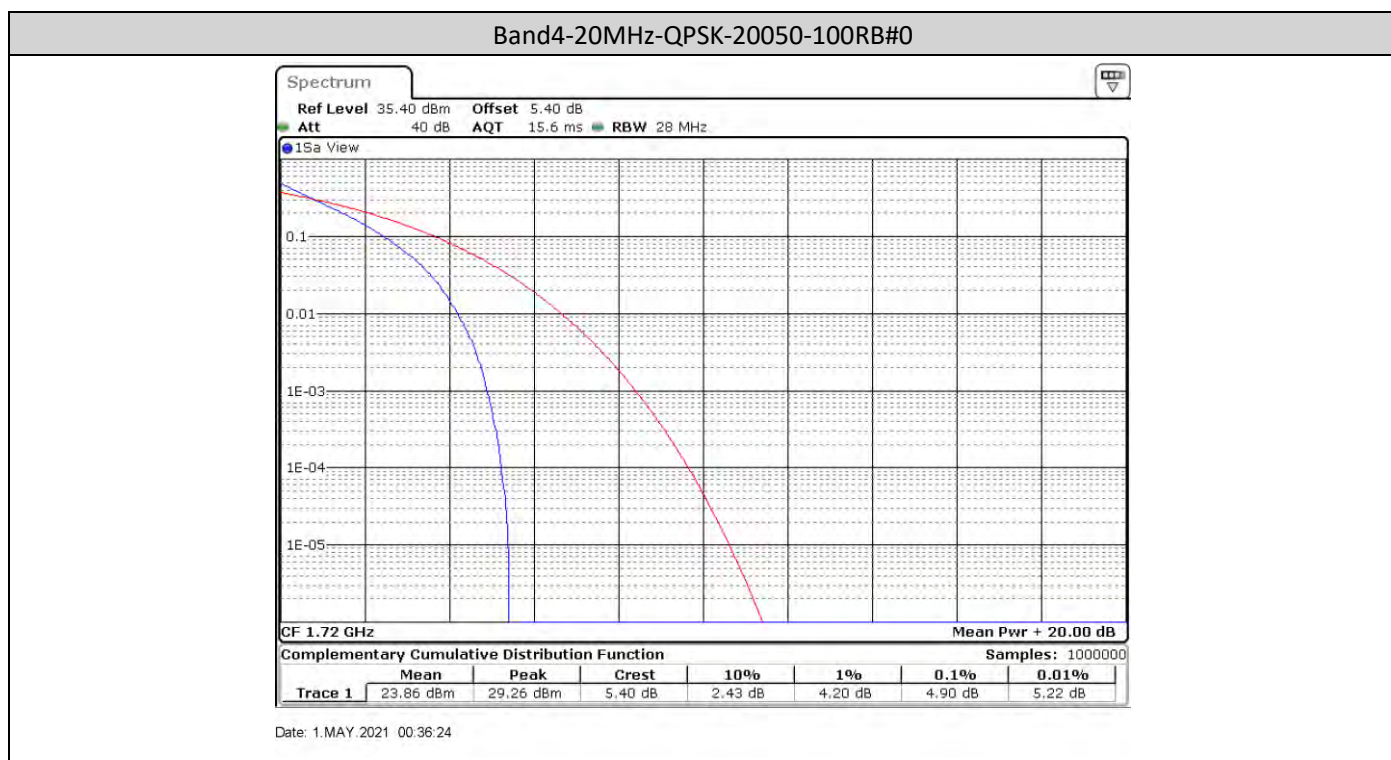


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.90	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.19	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.20	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.38	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.35	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.74	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.06	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.09	13	PASS

2.2. Test Plots



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



Date: 1.MAY 2021 00:36:47

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



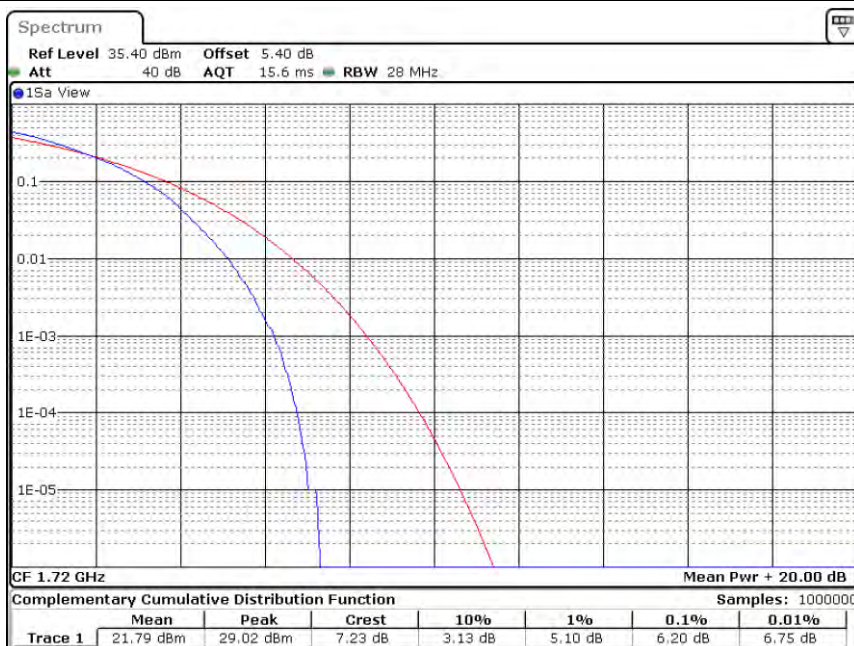
Date: 1.MAY 2021 00:37:09



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

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

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



Date: 1.MAY 2021 09:33:53

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



Date: 1.MAY 2021 09:34:04



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 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: 1.MAY 2021 09:34:15

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



Date: 1.MAY 2021 00:36:35



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

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



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



Date: 1.MAY 2021 00:36:58

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



Date: 1.MAY 2021 00:37:20

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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.

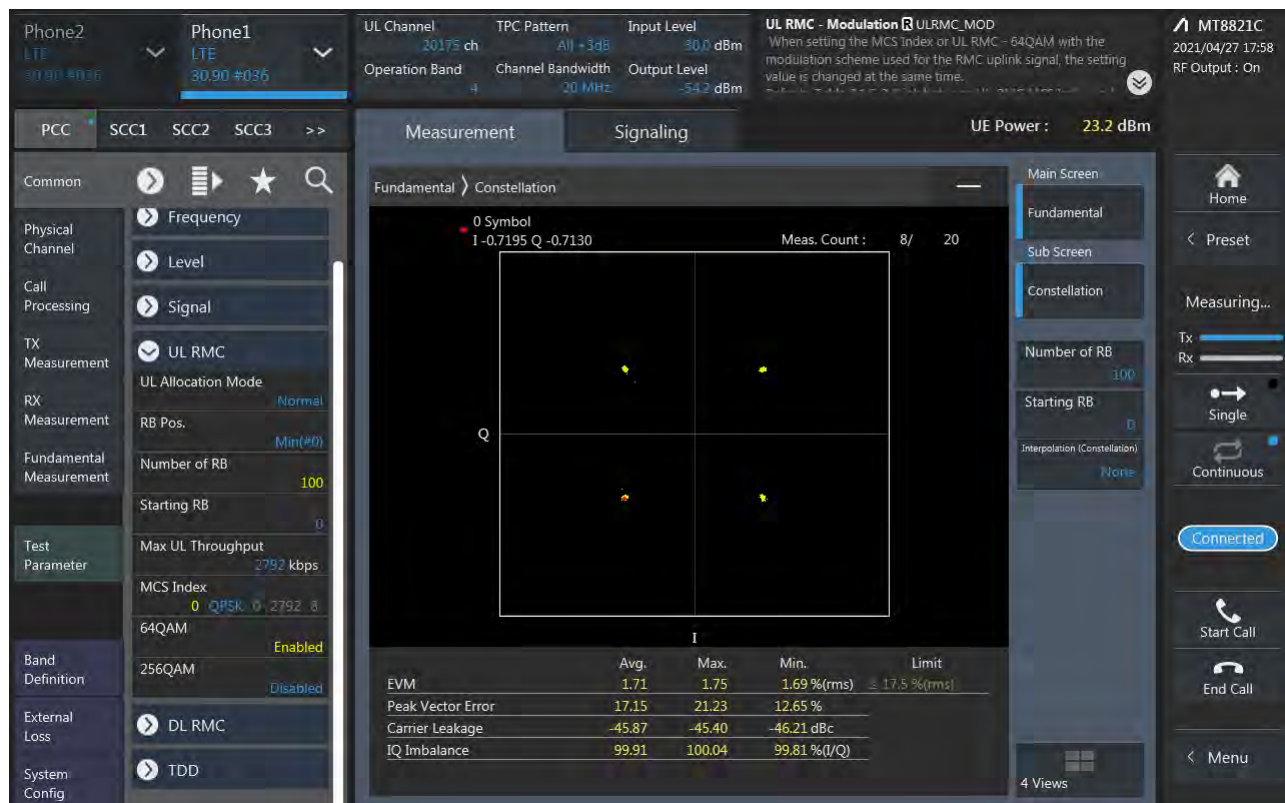
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

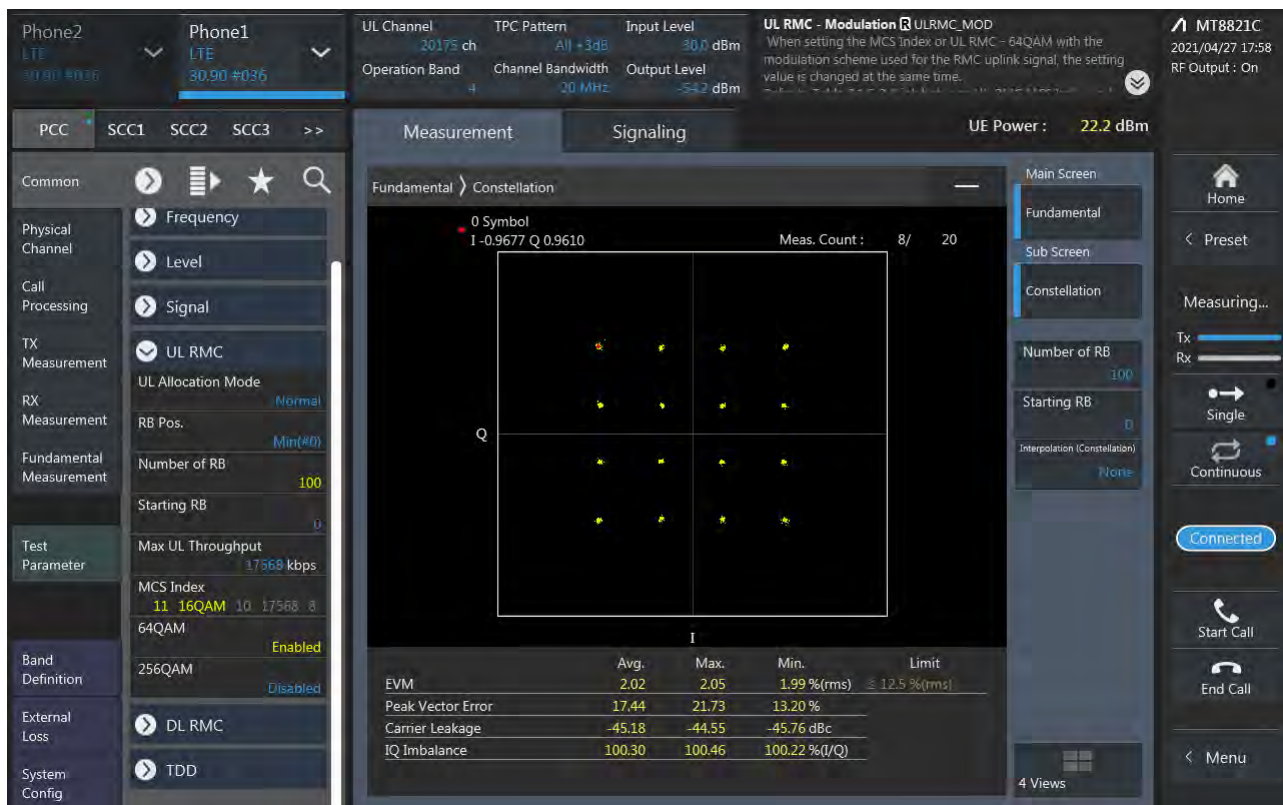
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

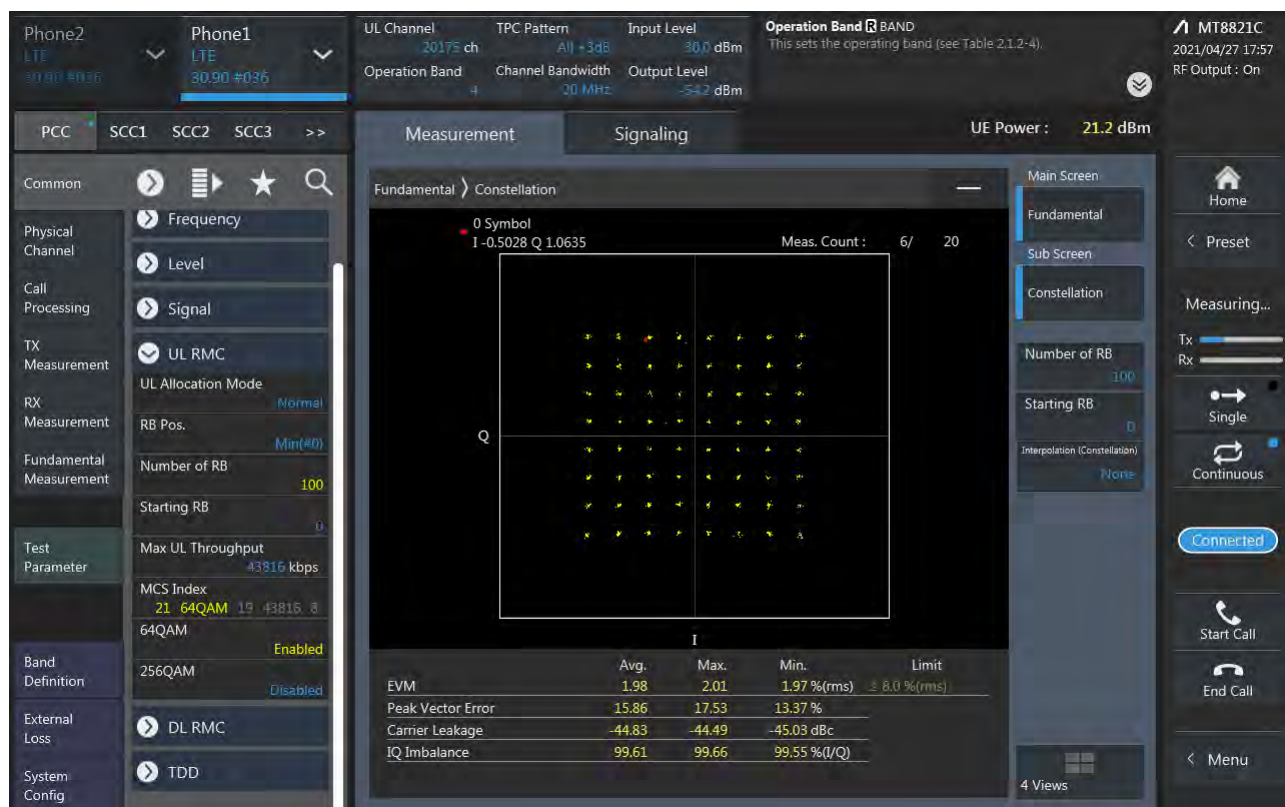
3.2.1. Test Channel = MCH





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	1.091	1.305	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.290	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.094	1.272	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.281	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.094	1.275	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.287	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.946	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.946	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	2.946	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.928	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.934	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.928	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.922	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.679	2.928	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.679	2.934	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.860	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.870	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.840	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.850	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.920	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.910	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.910	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.660	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.620	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.620	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.600	PASS



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

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



Band4	10MHz	64QAM	20175	50RB#0	8.911	9.580	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.580	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.680	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.680	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.680	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.670	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.640	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.700	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.700	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.820	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.730	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.760	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.400	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.360	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.320	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.320	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.360	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.360	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.400	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.400	PASS



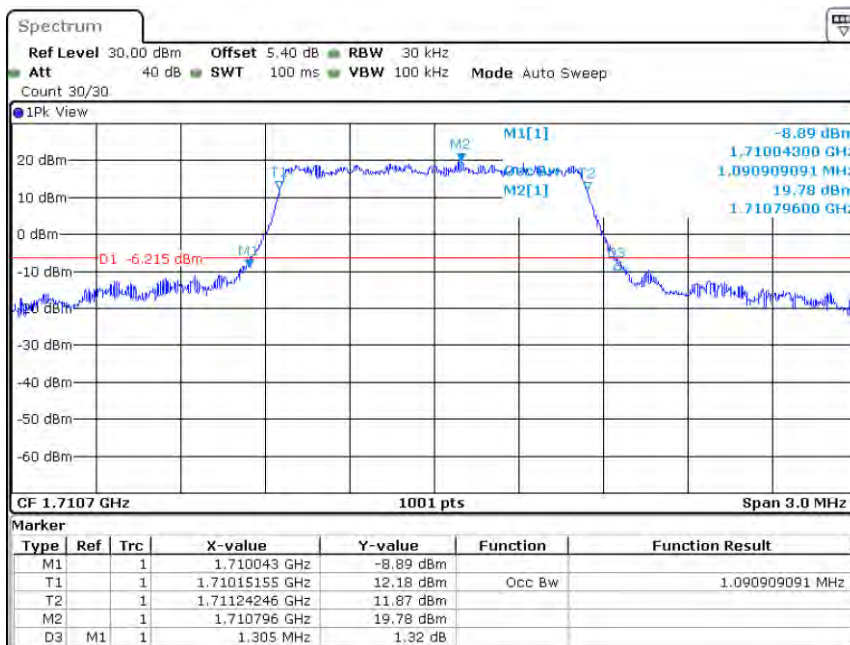
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



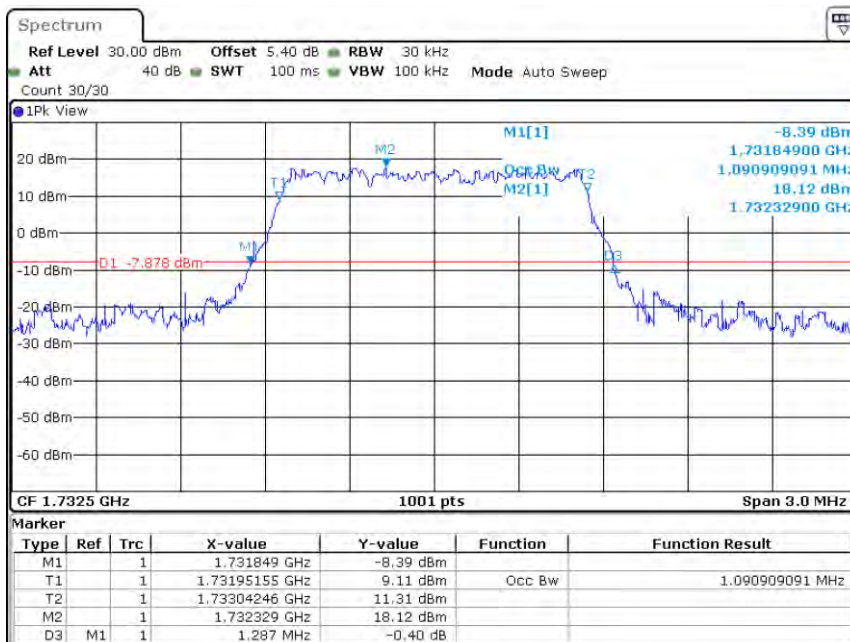
4.2. Test Plots

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



Date: 1.MAY.2021 00:05:16

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



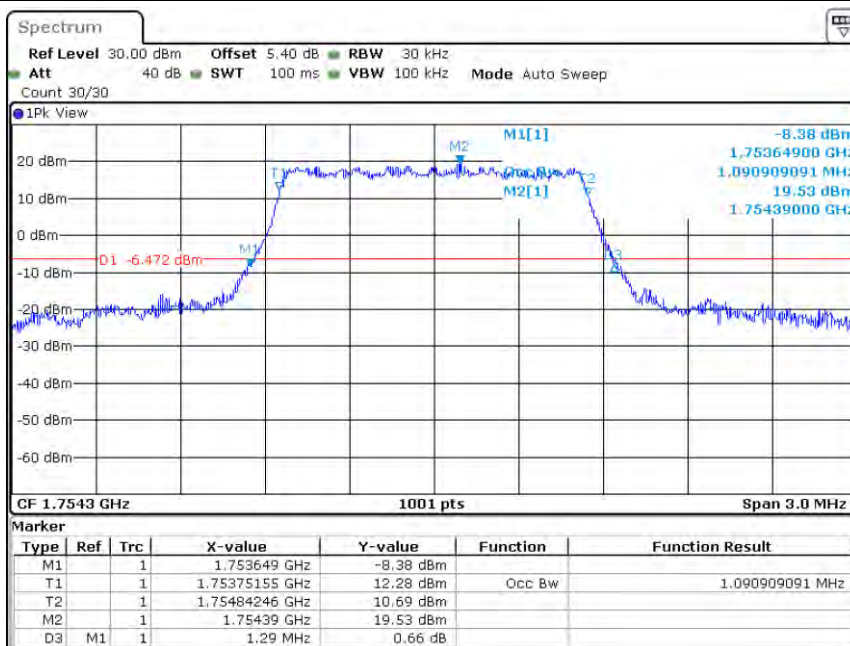
Date: 1.MAY.2021 00:05:41



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-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.

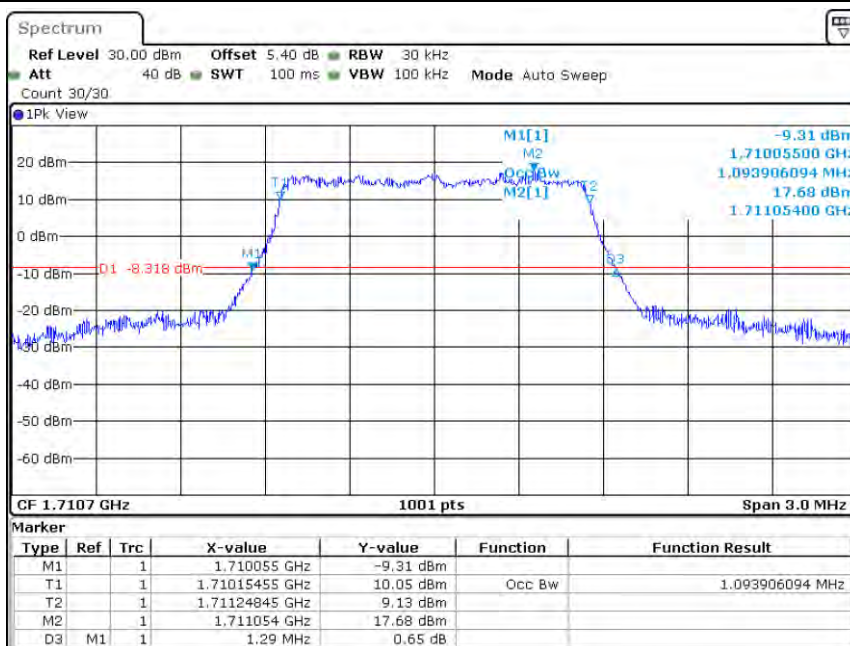
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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-20393-6RB#0-1.091



Date: 1.MAY 2021 00:06:07

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

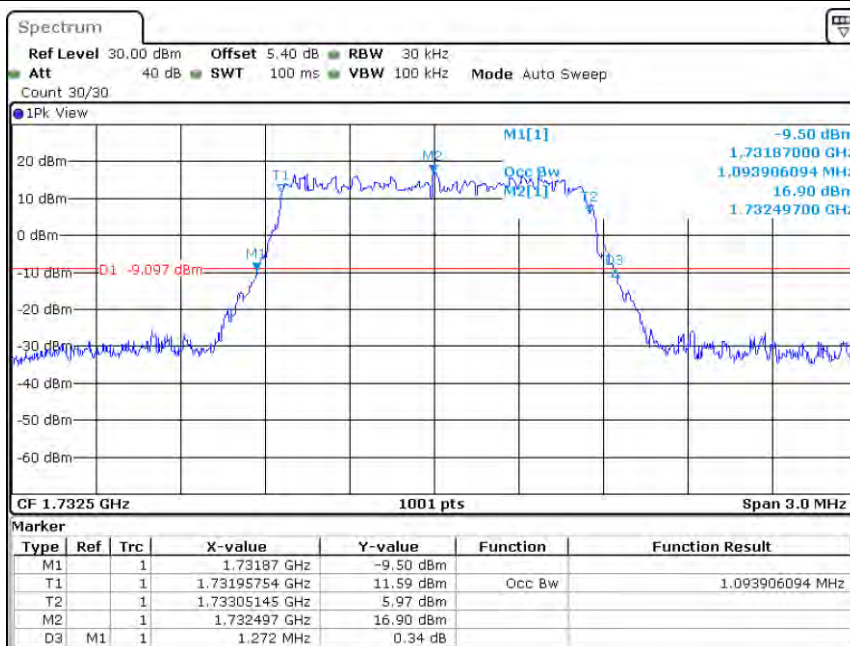


Date: 1.MAY 2021 09:17:21



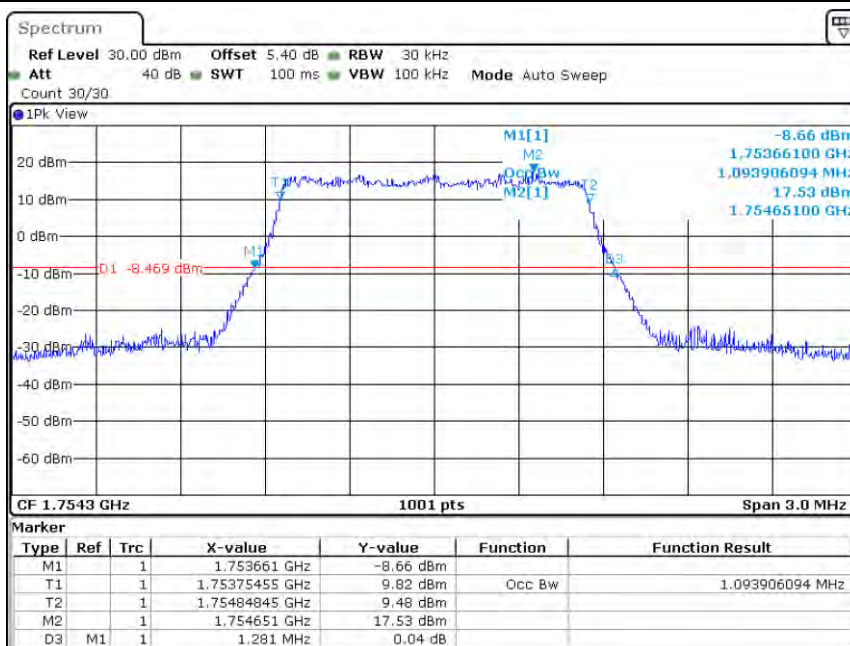


Band4-1.4MHz-64QAM-20175-6RB#0-1.094



Date: 1.MAY 2021 09:17:34

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



Date: 1.MAY 2021 09:17:47

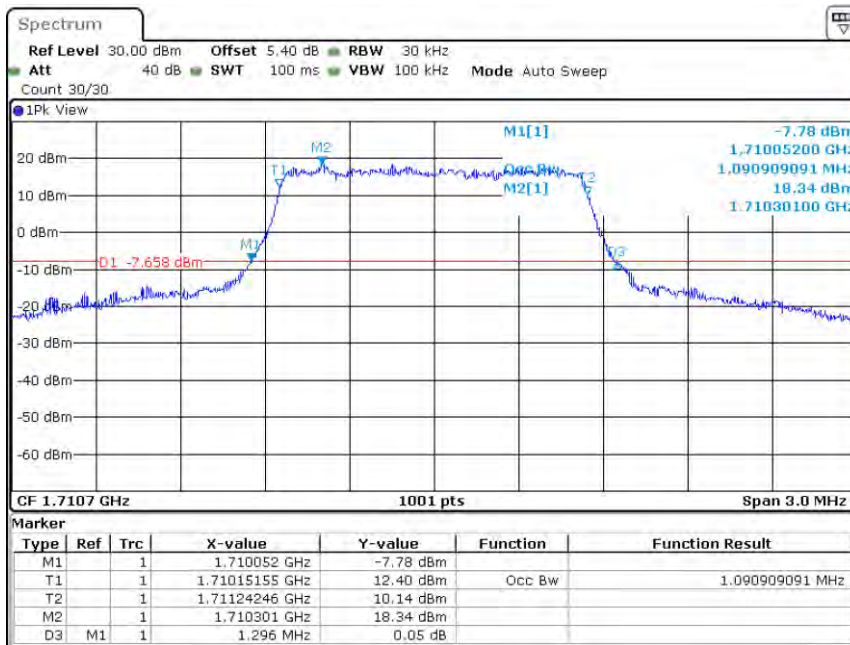


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

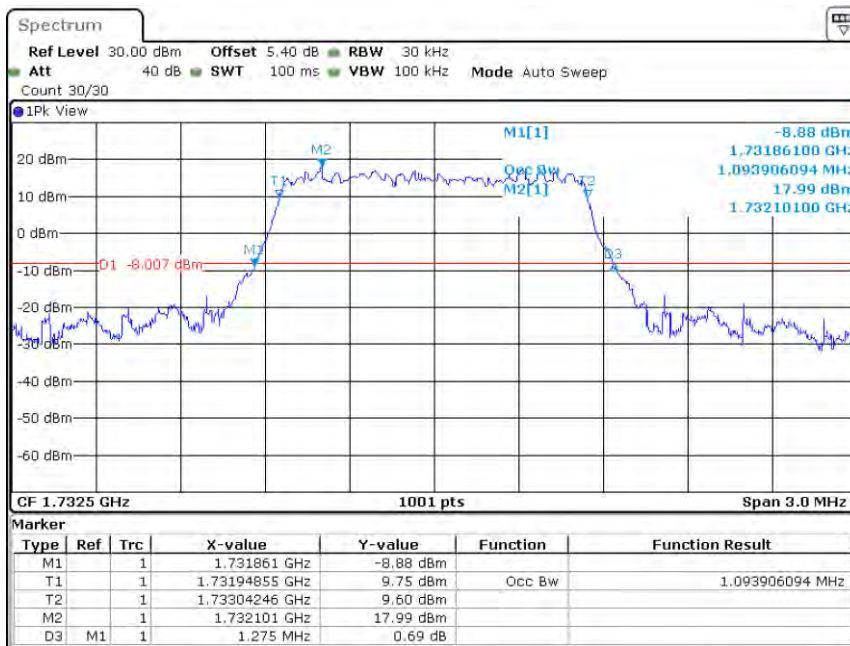


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 1.MAY 2021 00:05:28

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



Date: 1.MAY 2021 00:05:54

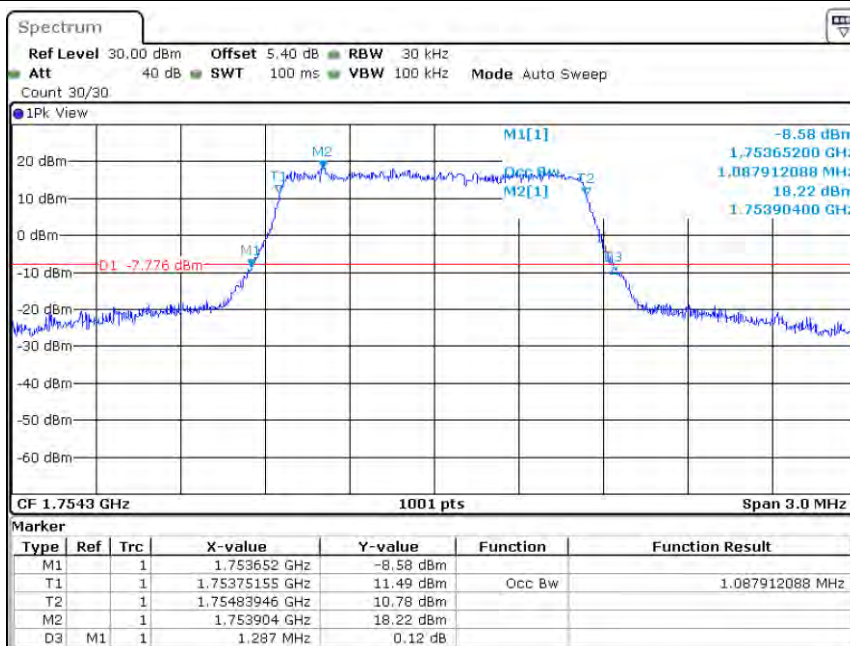


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

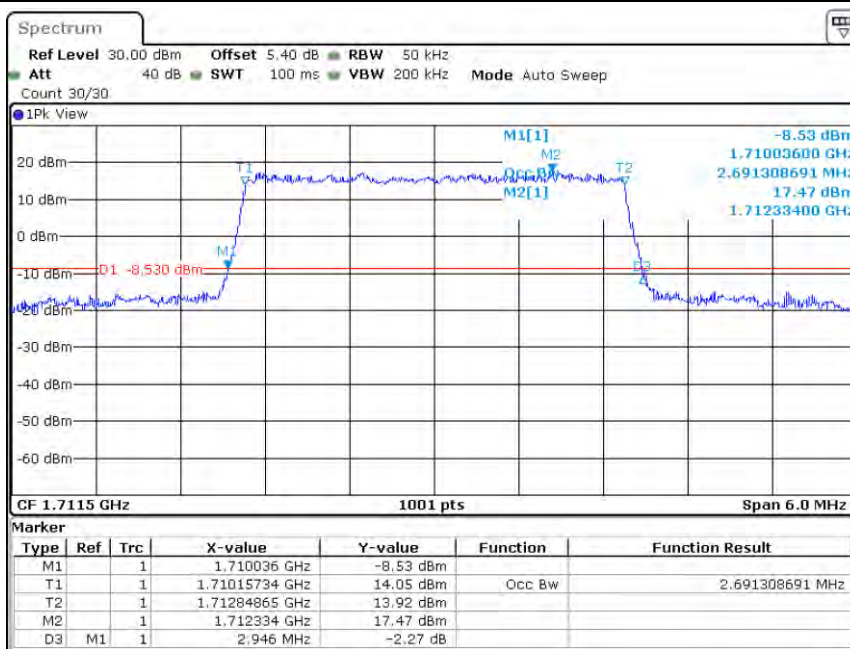


Band4-1.4MHz-16QAM-20393-6RB#0-1.088



Date: 1.MAY 2021 00:06:19

Band4-3MHz-QPSK-19965-15RB#0-2.691



Date: 1.MAY 2021 00:06:37

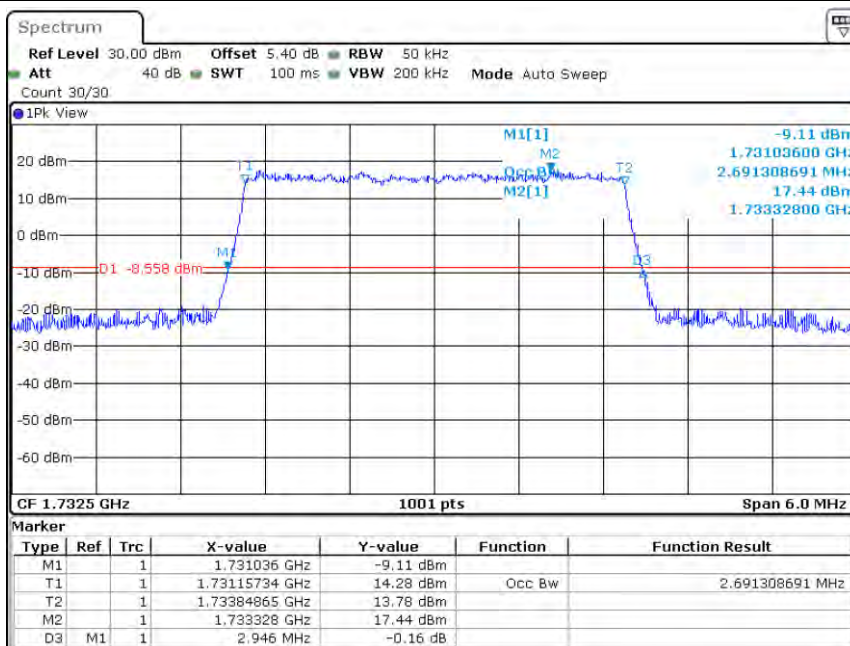


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

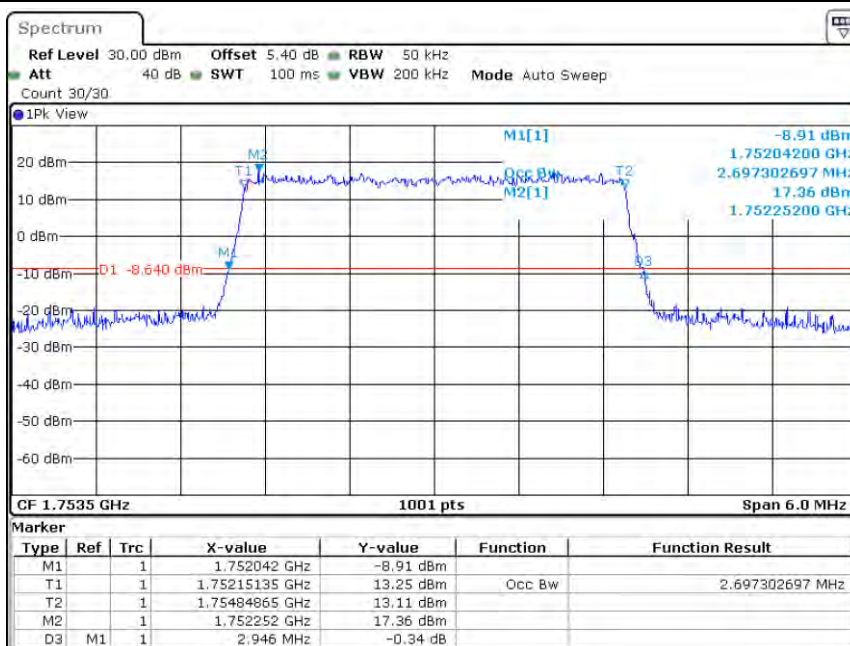


Band4-3MHz-QPSK-20175-15RB#0-2.691



Date: 1.MAY 2021 00:07:03

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



Date: 1.MAY 2021 00:07:28

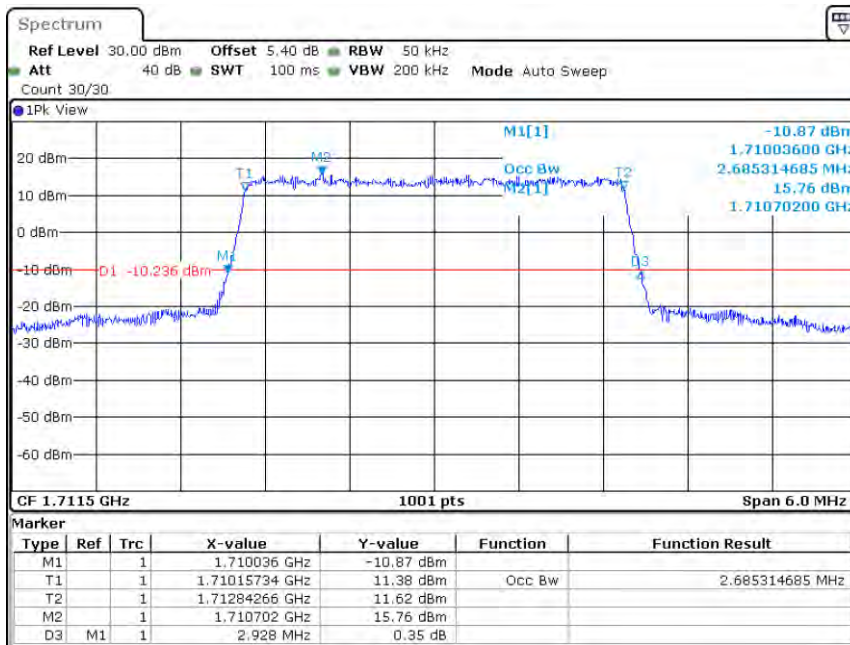


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

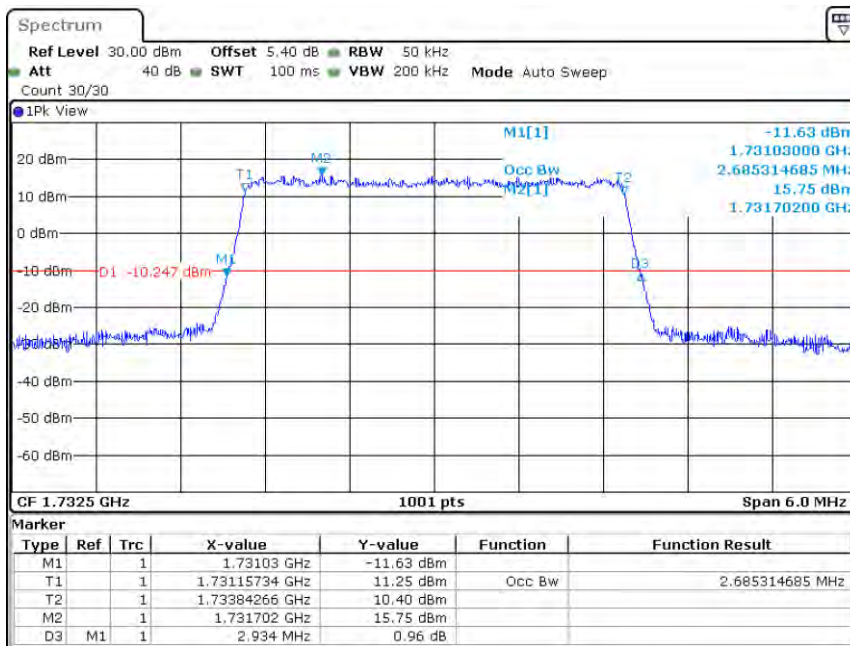


Band4-3MHz-64QAM-19965-15RB#0-2.685



Date: 1.MAY 2021 09:18:05

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



Date: 1.MAY 2021 09:18:18

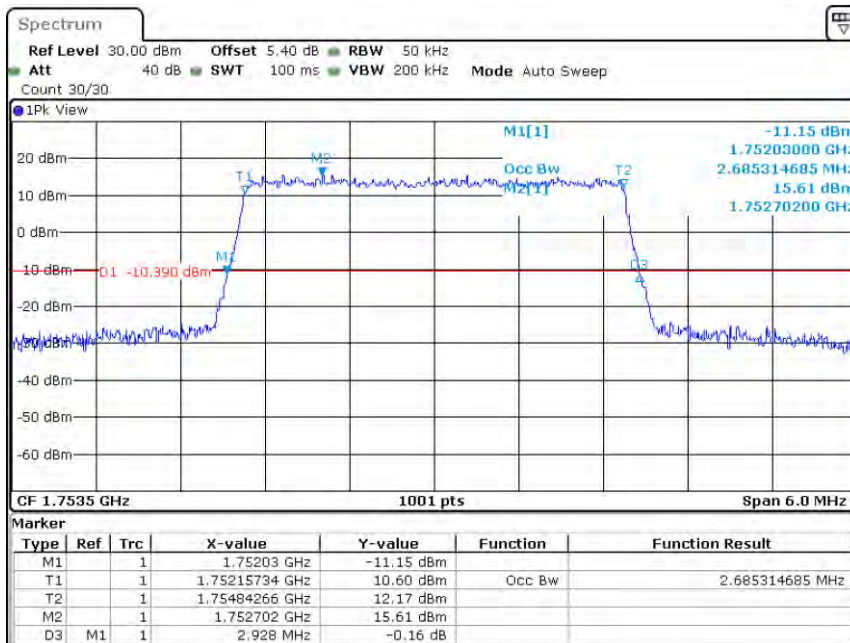


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

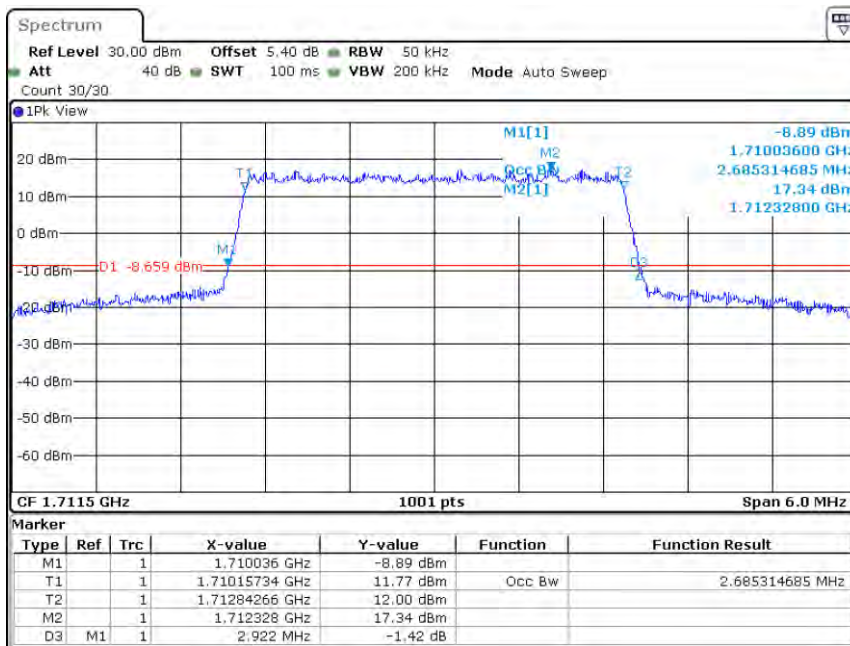


Band4-3MHz-64QAM-20385-15RB#0-2.685



Date: 1.MAY.2021 09:18:31

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



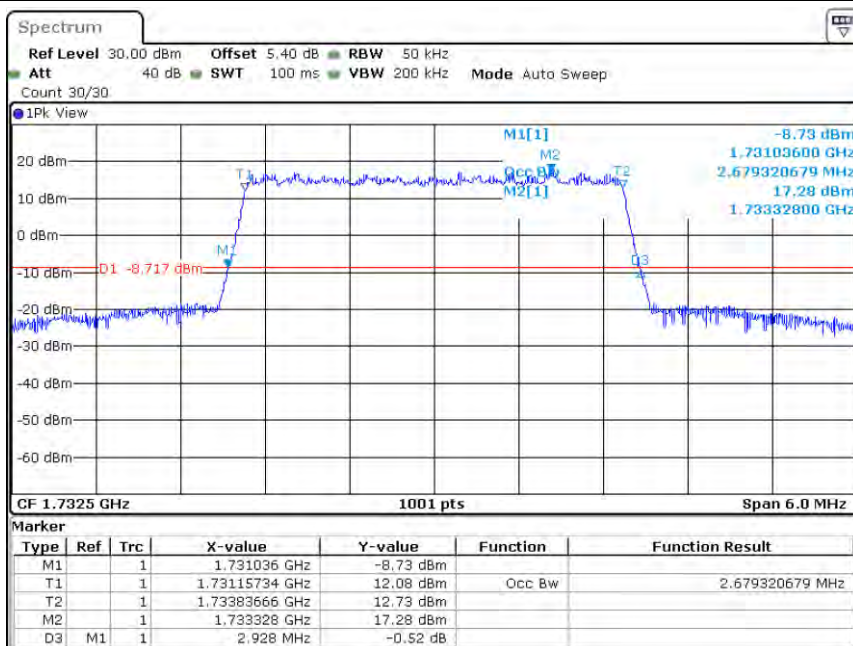
Date: 1.MAY.2021 00:06:50



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

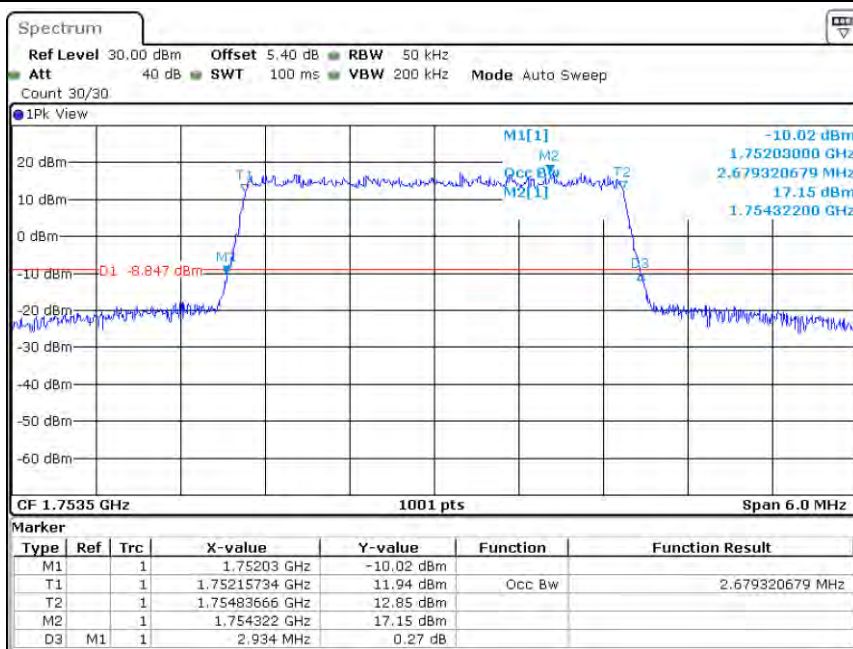
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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#0-2.679



Date: 1.MAY.2021 00:07:15

Band4-3MHz-16QAM-20385-15RB#0-2.679



Date: 1.MAY.2021 00:07:41



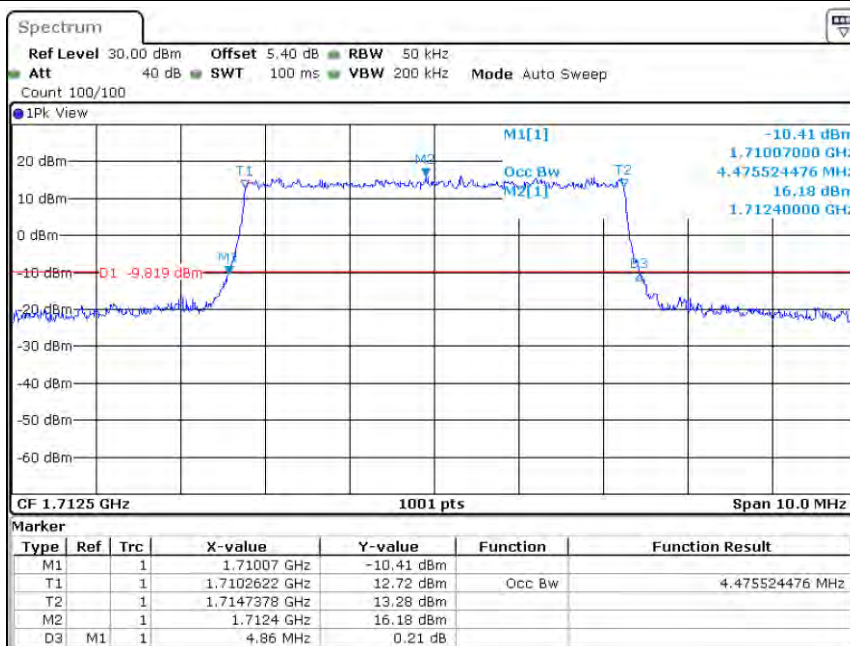
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) CMAA Laboratory

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

Results shown in this test report are only for the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: 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

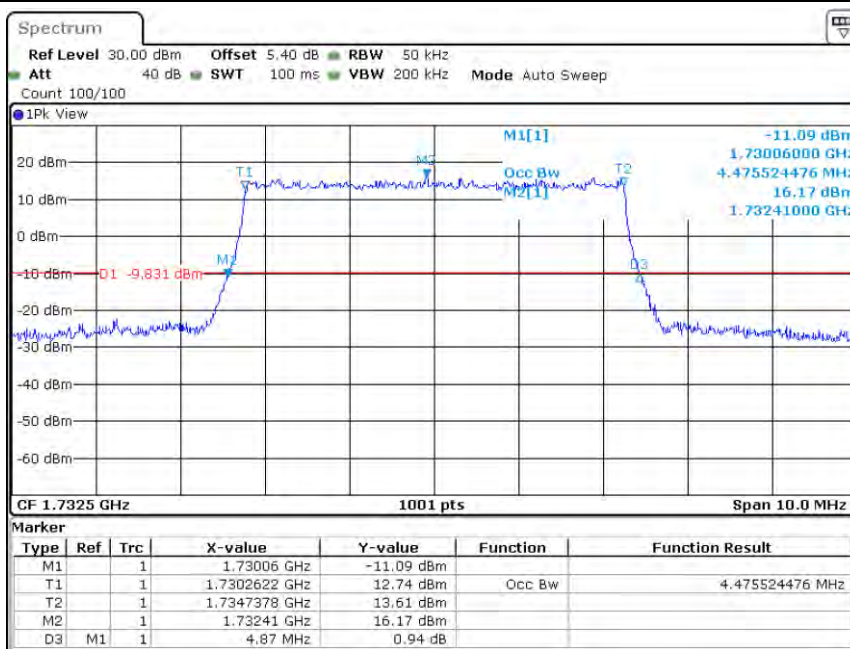


Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 1.MAY 2021 00:08:05

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



Date: 1.MAY 2021 00:08:45

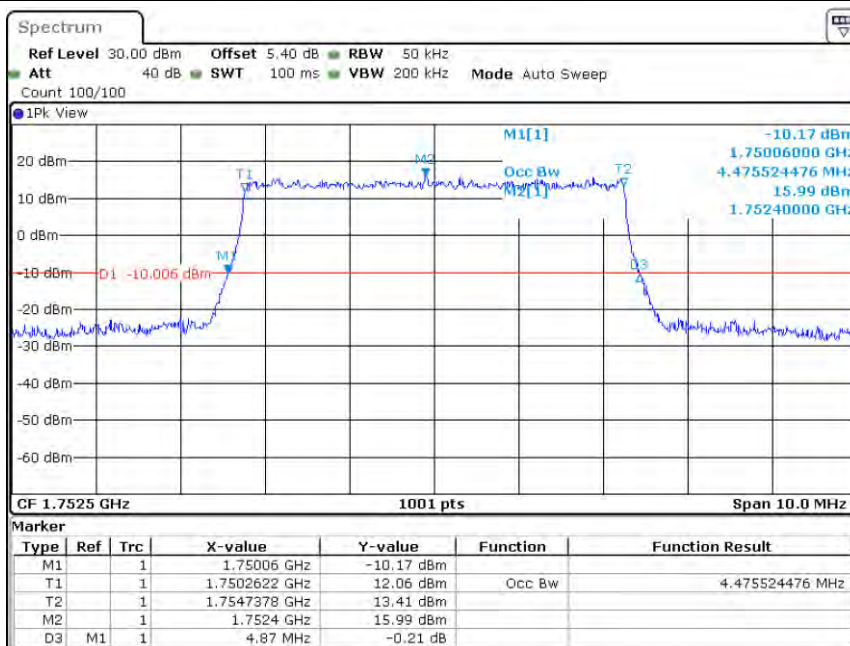


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

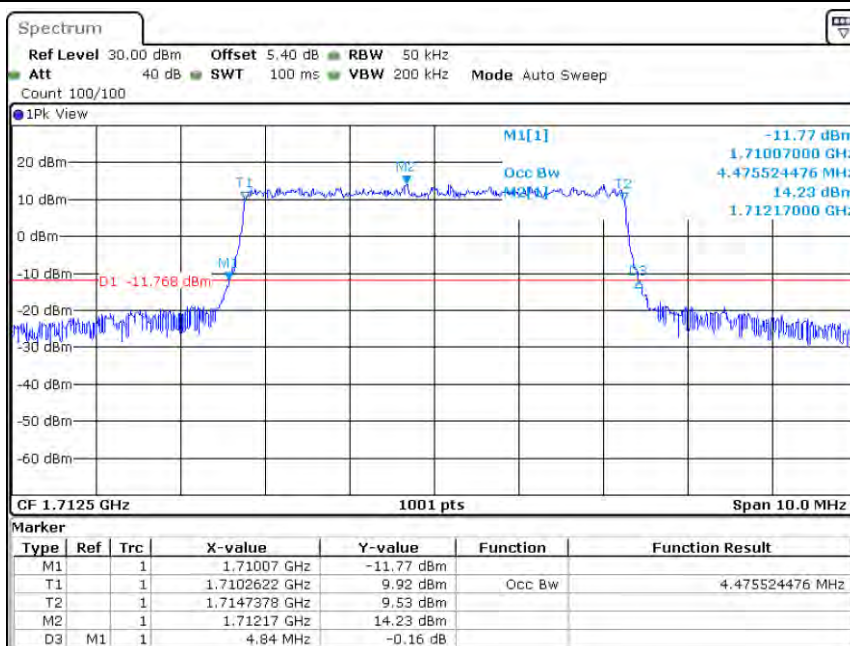


Band4-5MHz-QPSK-20375-25RB#0-4.476



Date: 1.MAY.2021 00:09:24

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



Date: 1.MAY.2021 09:18:55

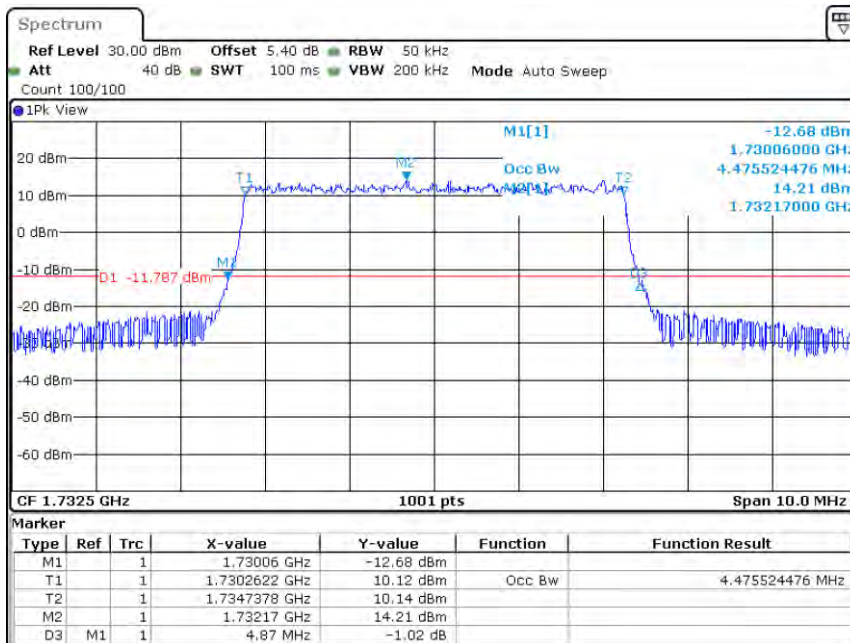


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

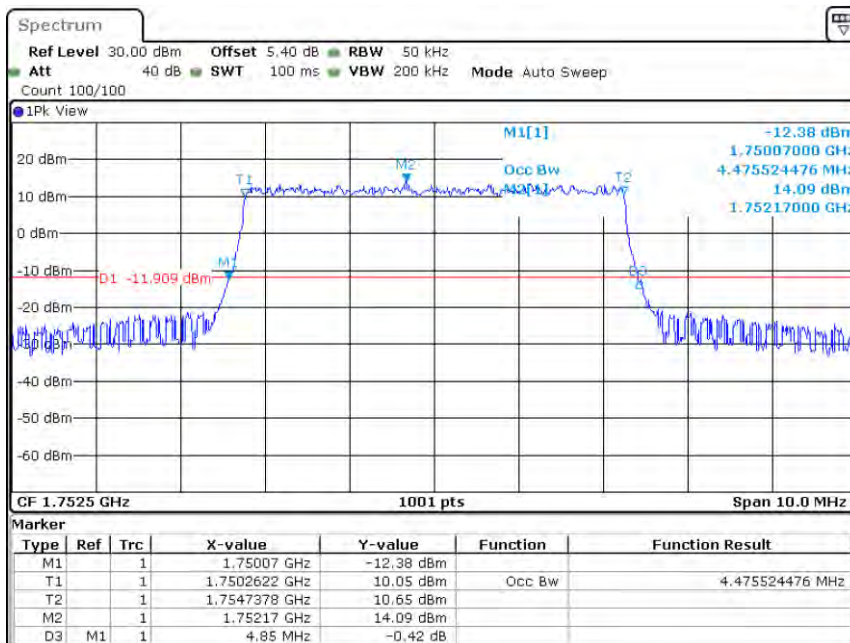


Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 1.MAY.2021 09:19:15

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



Date: 1.MAY.2021 09:19:35

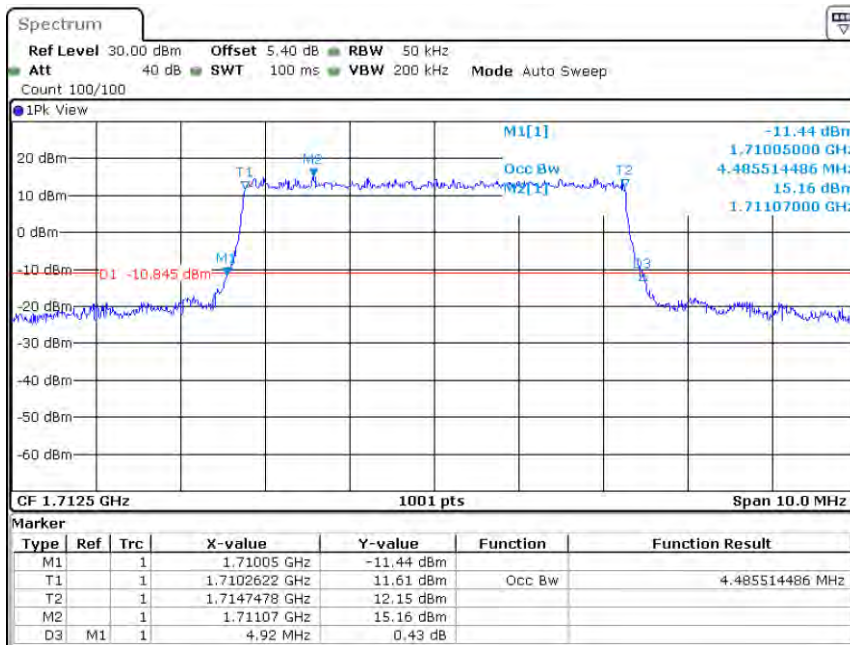


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

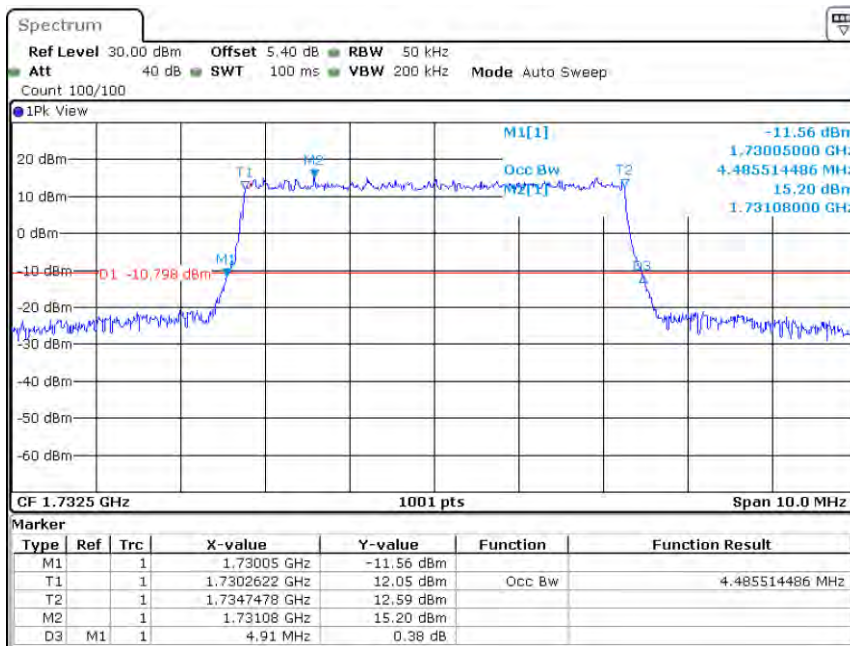


Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 1.MAY 2021 00:08:25

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



Date: 1.MAY 2021 00:09:04

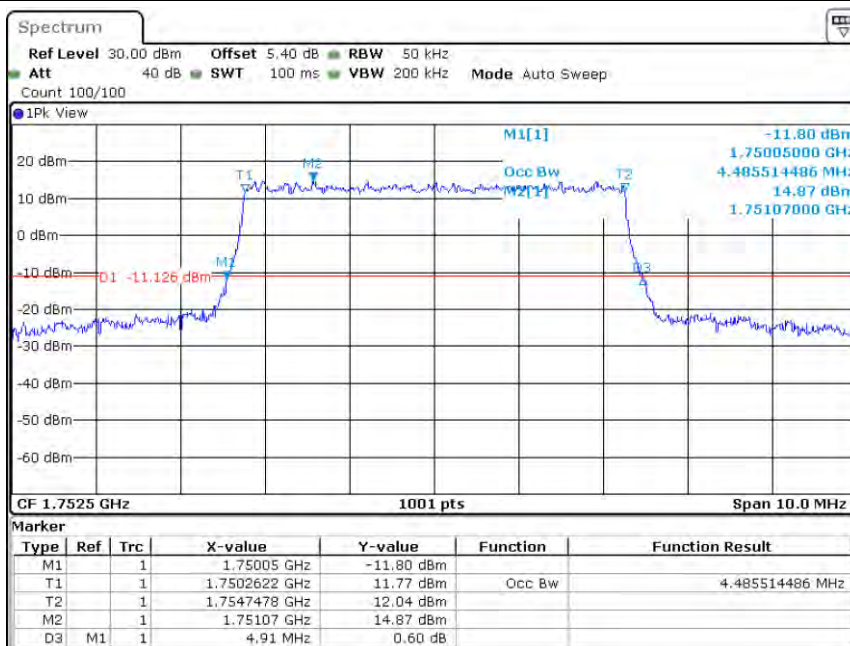


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

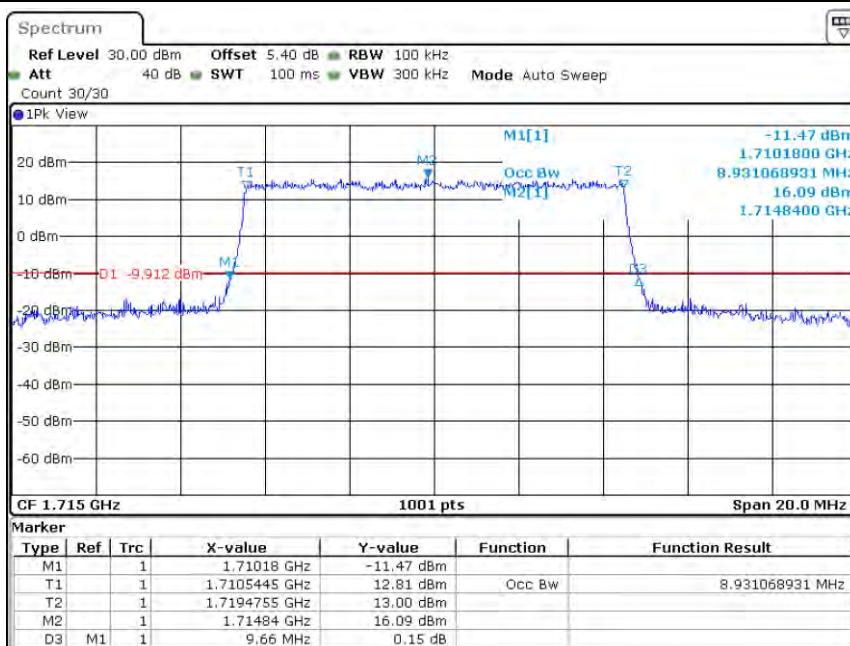


Band4-5MHz-16QAM-20375-25RB#0-4.486



Date: 1.MAY 2021 00:09:44

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



Date: 1.MAY 2021 00:10:01

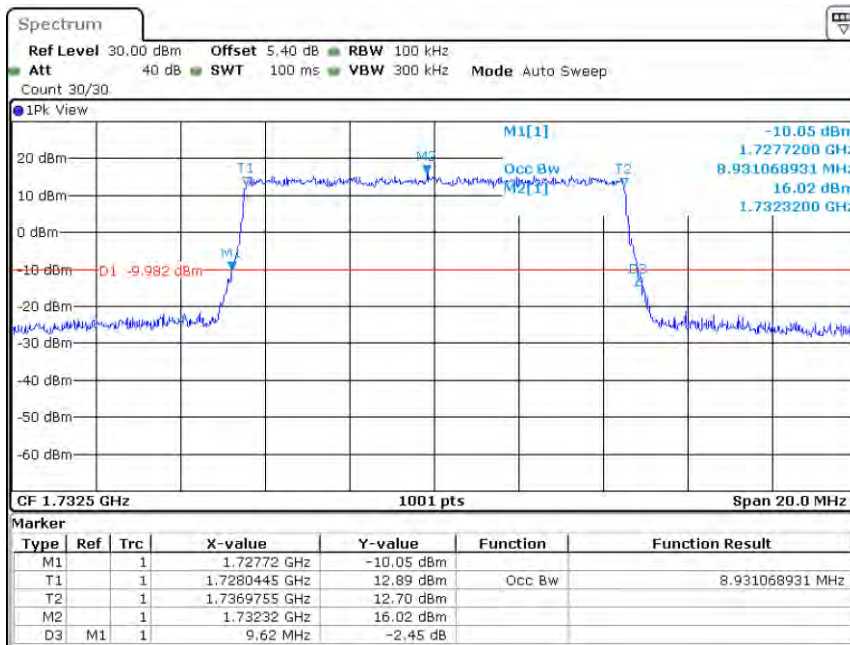


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

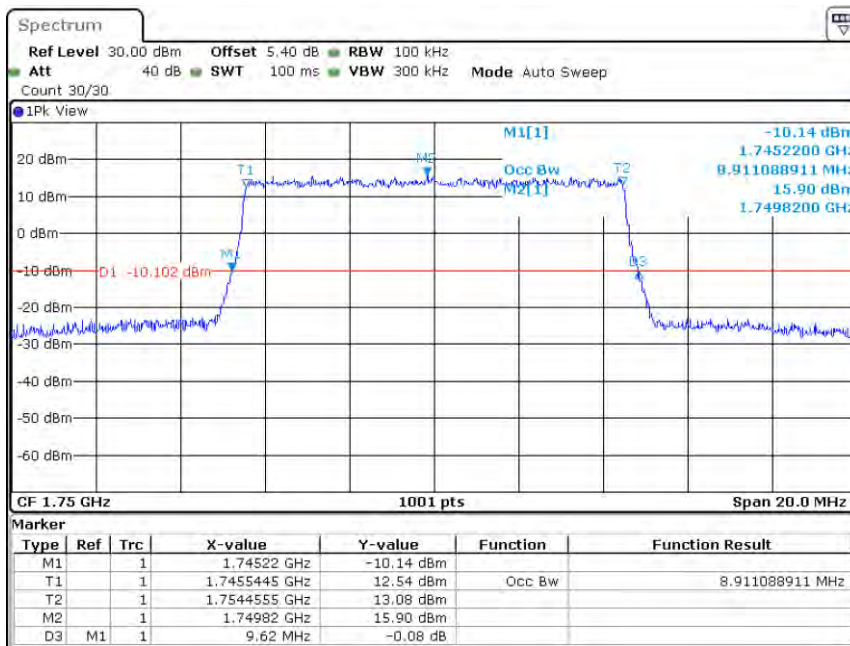


Band4-10MHz-QPSK-20175-50RB#0-8.931



Date: 1.MAY.2021 00:10:27

Band4-10MHz-QPSK-20350-50RB#0-8.911



Date: 1.MAY.2021 00:10:52

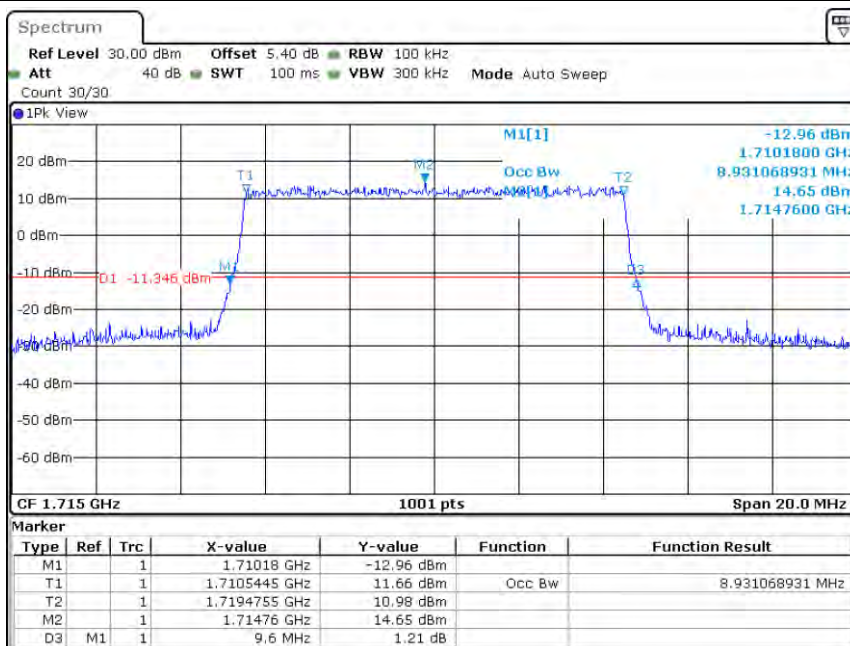


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

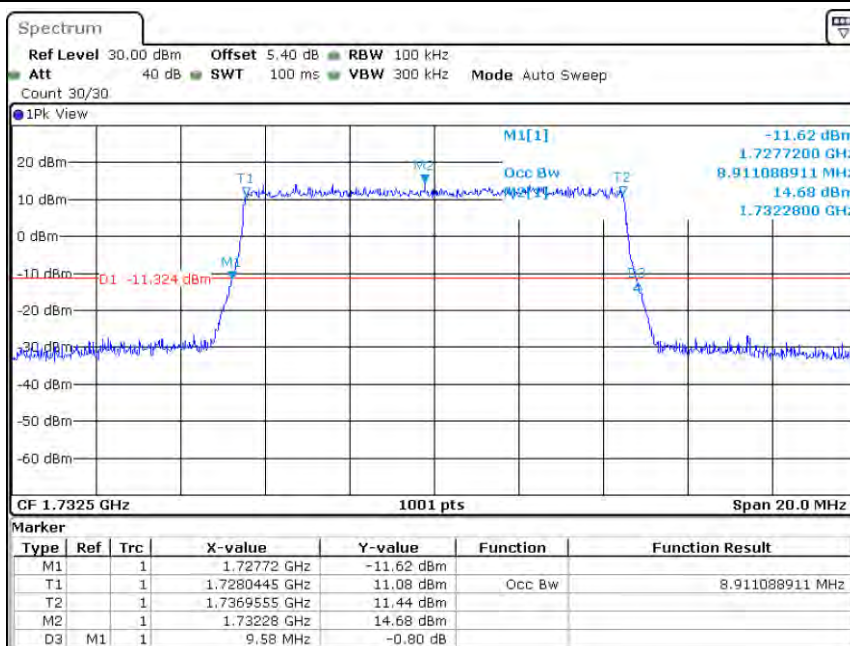


Band4-10MHz-64QAM-20000-50RB#0-8.931



Date: 1.MAY.2021 09:19:53

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



Date: 1.MAY.2021 09:20:06

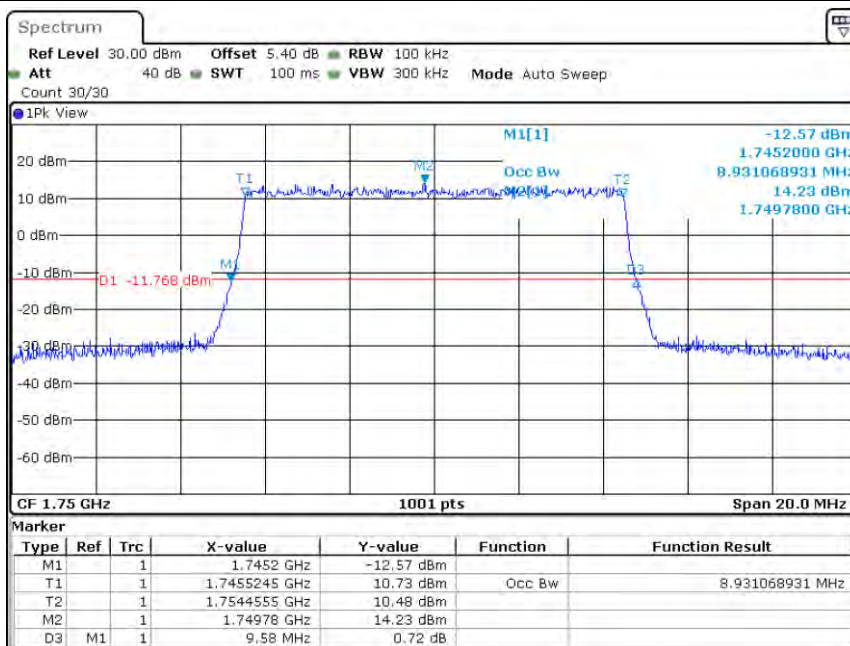


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

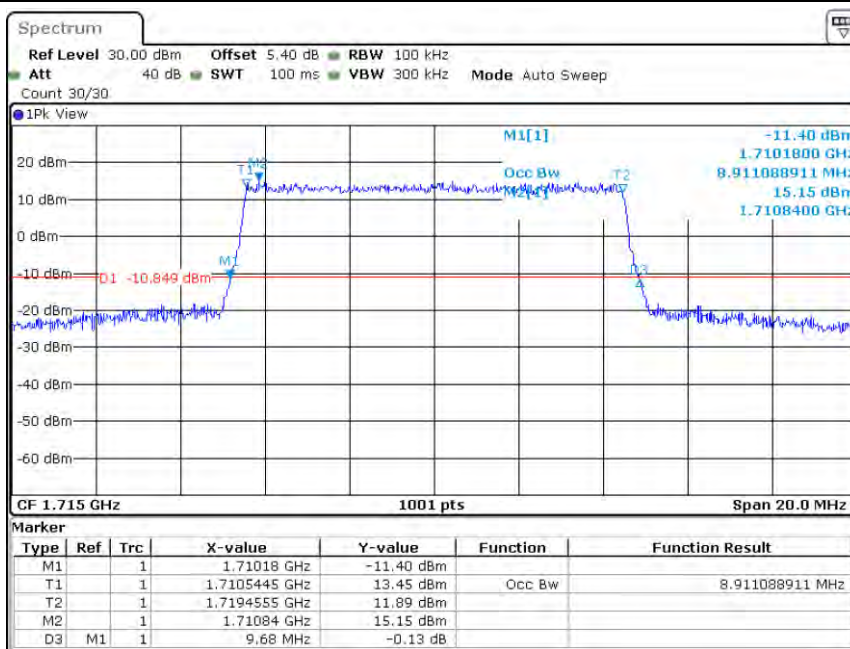


Band4-10MHz-64QAM-20350-50RB#0-8.931



Date: 1.MAY.2021 09:20:18

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



Date: 1.MAY.2021 00:10:14

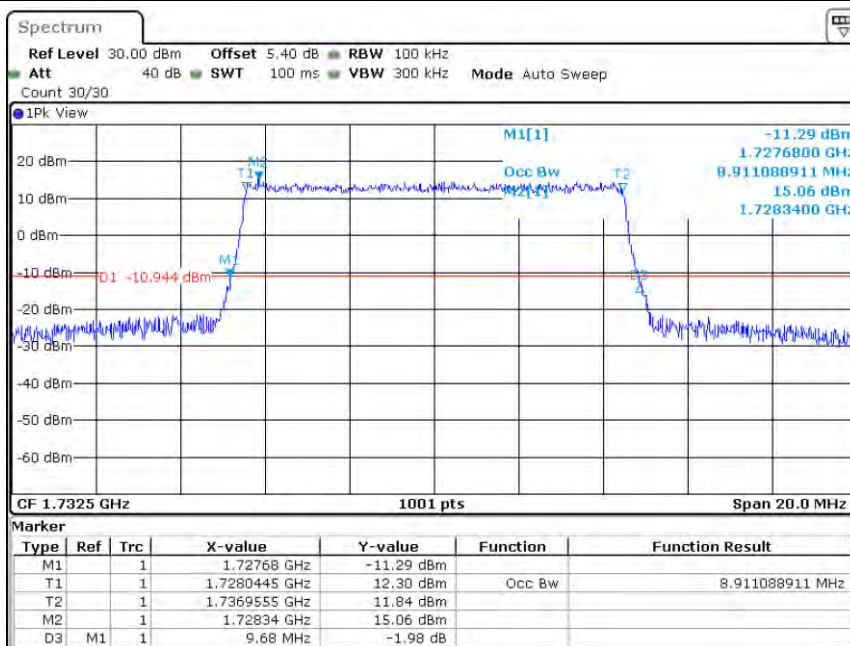


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

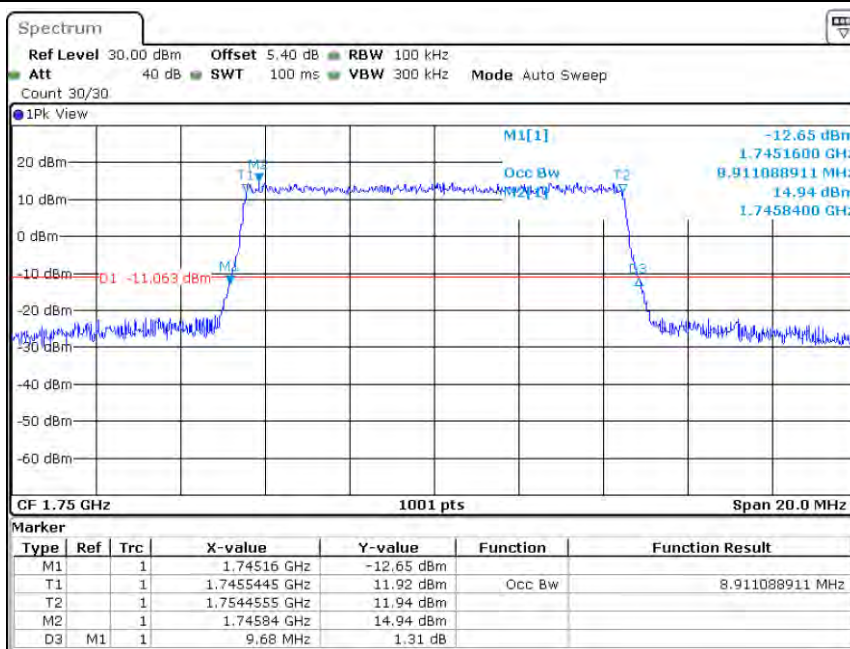


Band4-10MHz-16QAM-20175-50RB#0-8.911



Date: 1.MAY.2021 00:10:39

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



Date: 1.MAY.2021 00:11:05

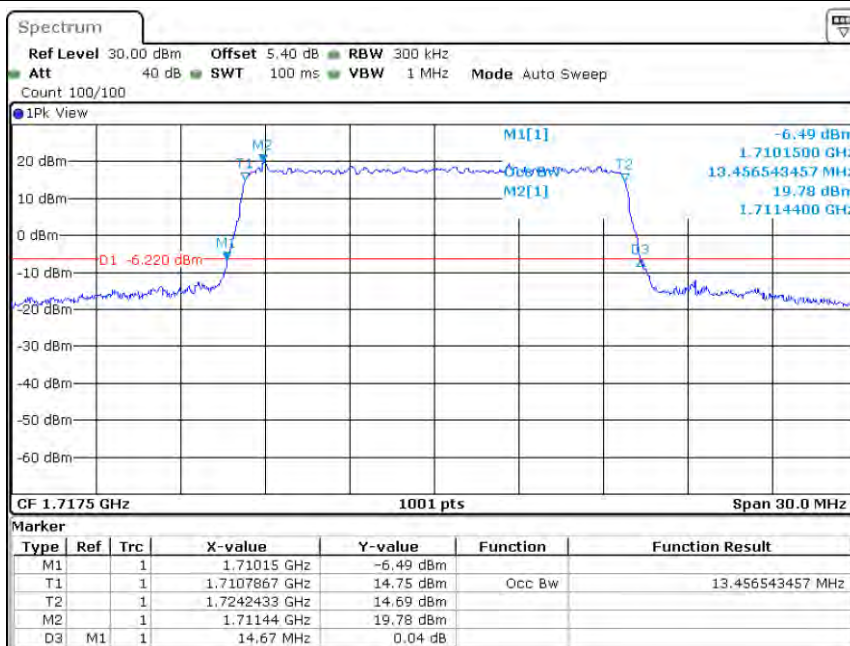


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

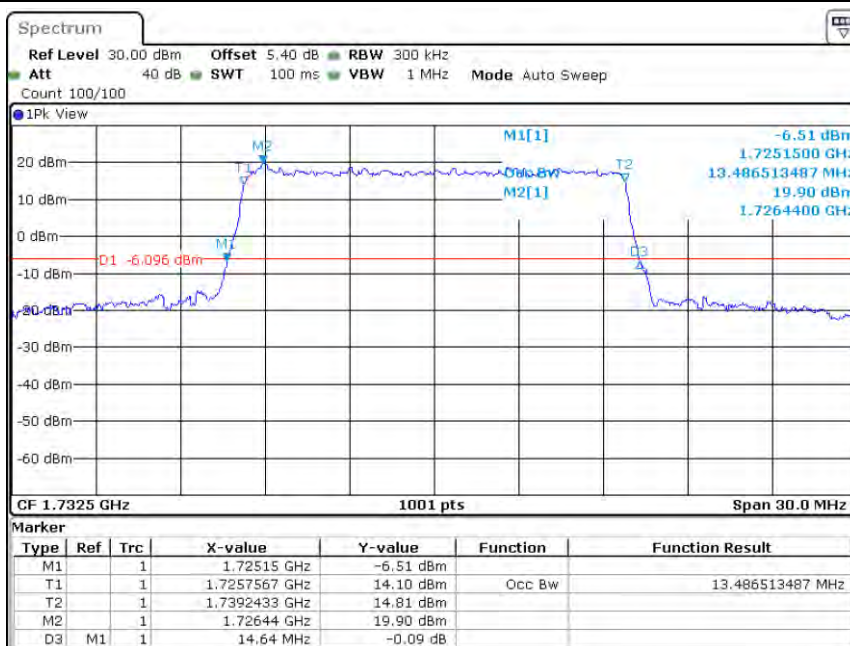


Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 1.MAY 2021 00:11:29

Band4-15MHz-QPSK-20175-75RB#0-13.487



Date: 1.MAY 2021 00:12:09

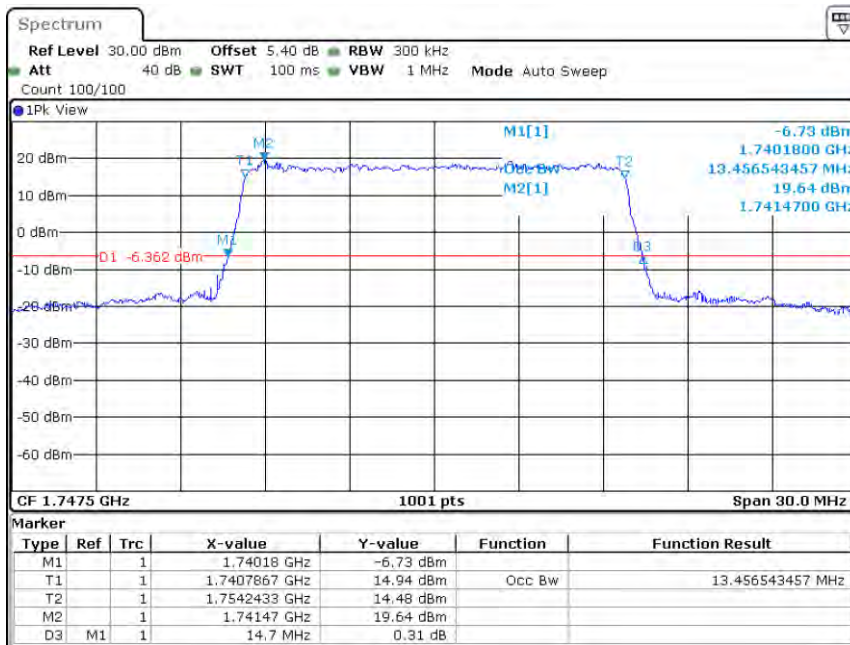


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

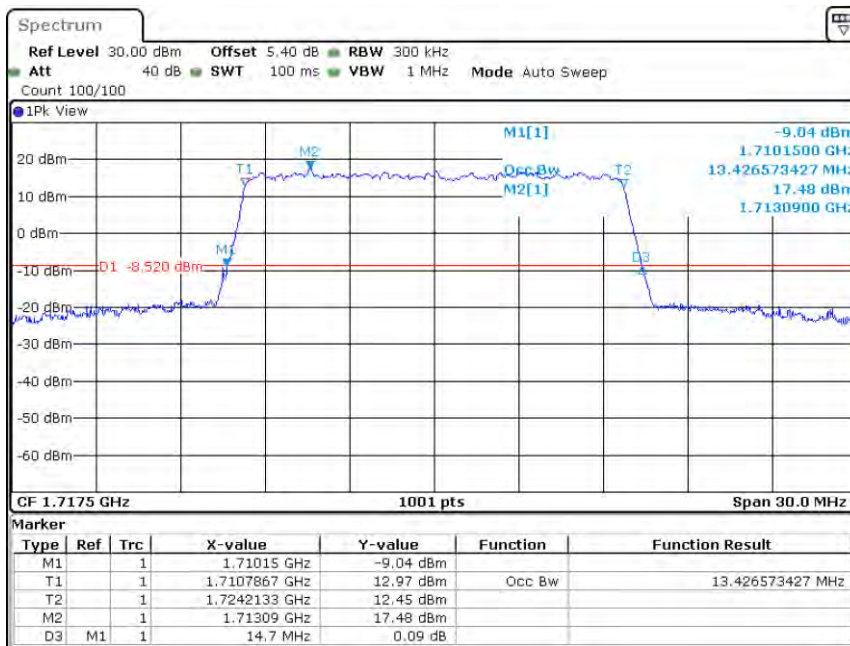


Band4-15MHz-QPSK-20325-75RB#0-13.457



Date: 1.MAY 2021 00:12:48

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



Date: 1.MAY 2021 09:20:48

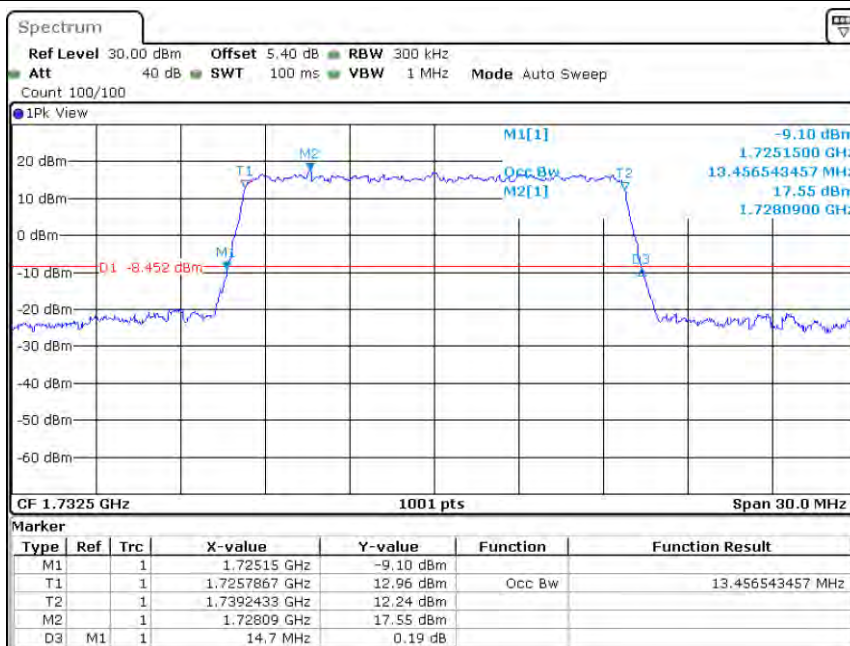


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

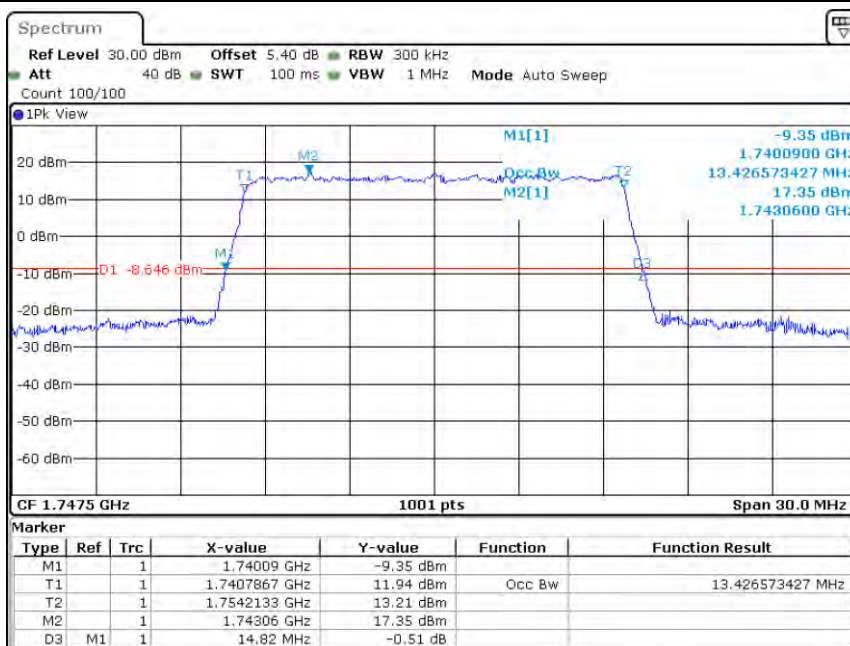


Band4-15MHz-64QAM-20175-75RB#0-13.457



Date: 1.MAY 2021 09:21:13

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



Date: 1.MAY 2021 09:21:33

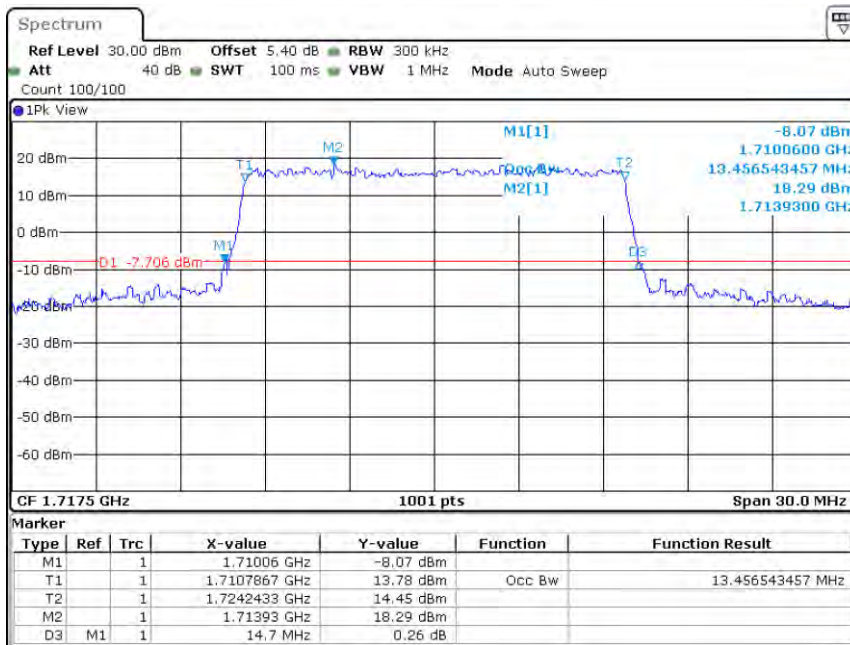


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

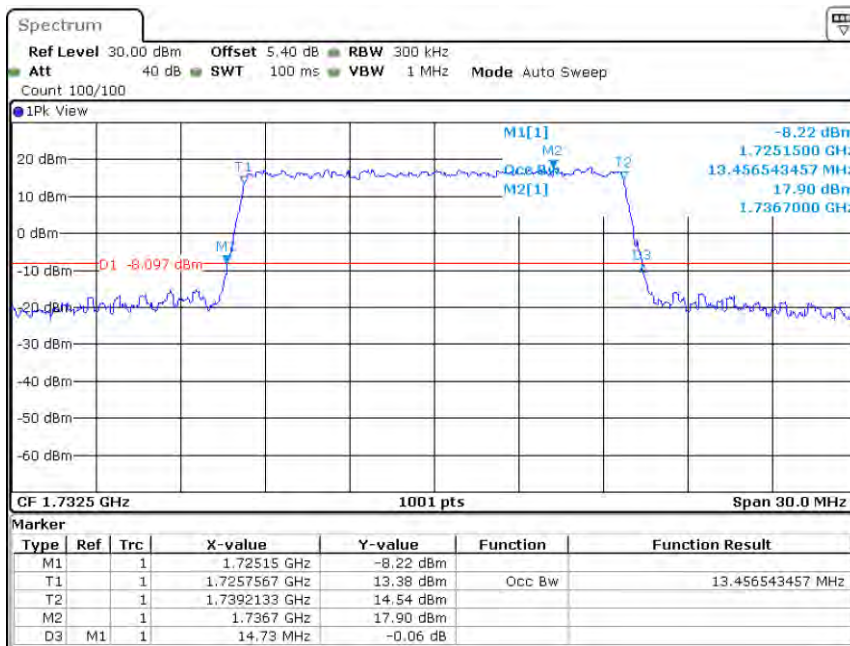


Band4-15MHz-16QAM-20025-75RB#0-13.457



Date: 1.MAY 2021 00:11:49

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



Date: 1.MAY 2021 00:12:29

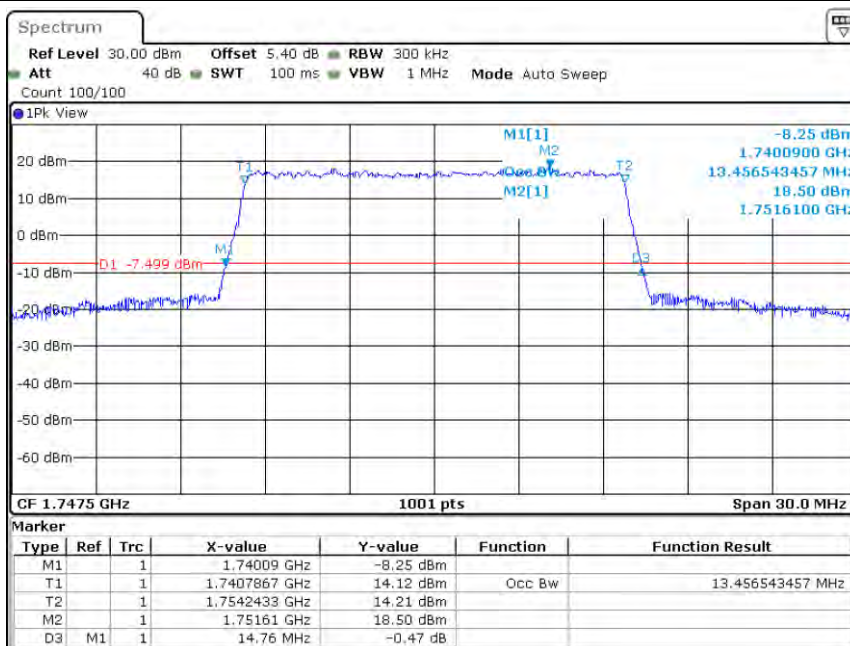


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

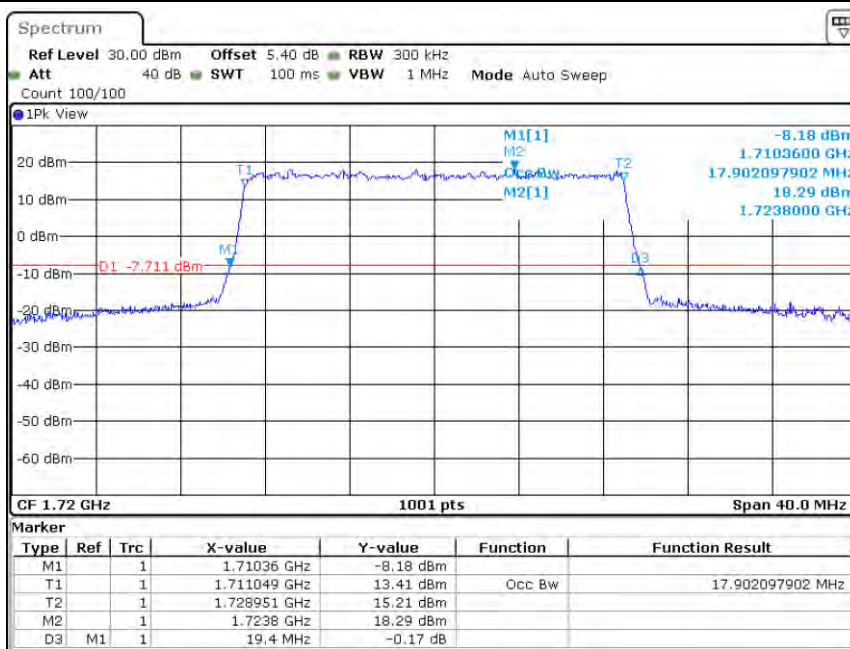


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 1.MAY 2021 00:13:08

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



Date: 1.MAY 2021 00:13:32

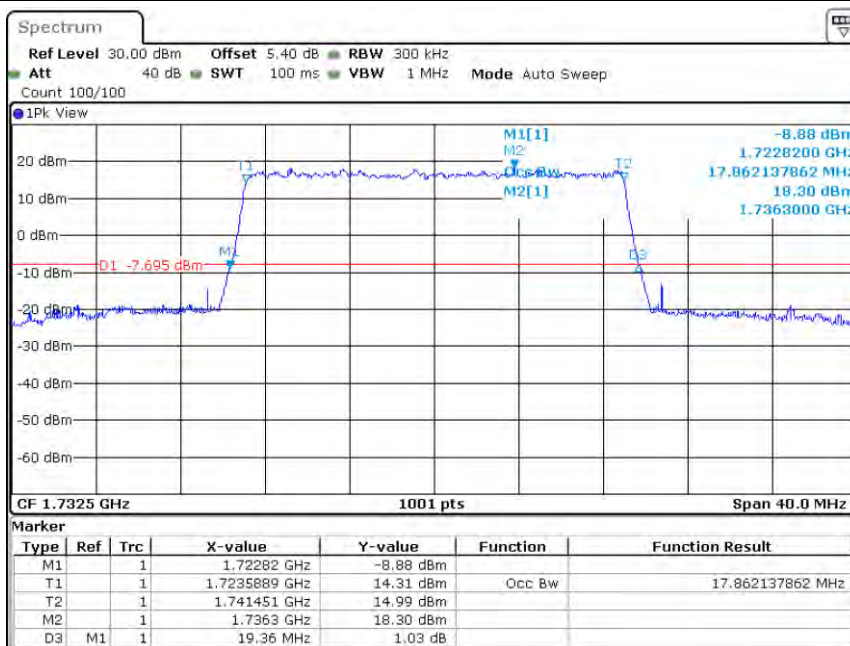


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

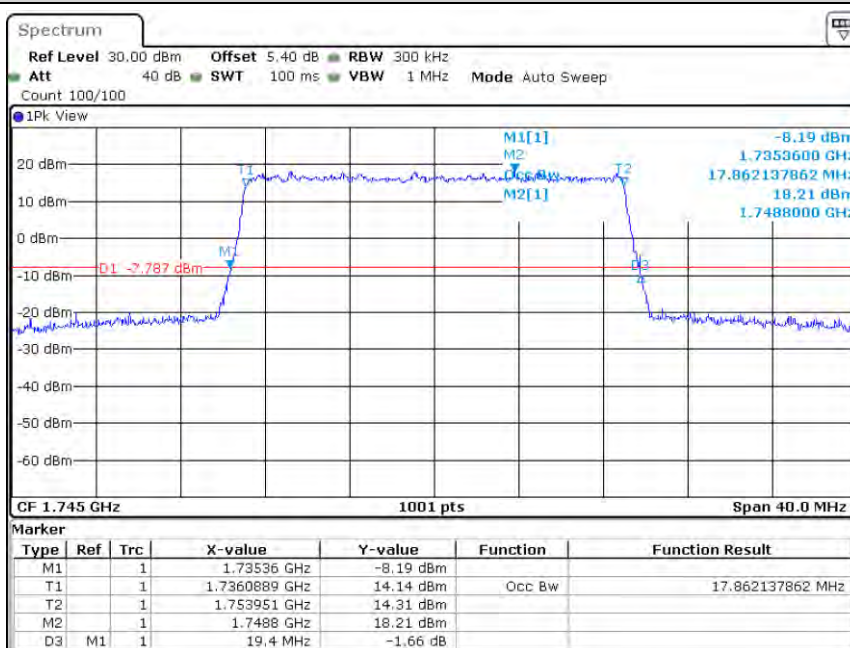


Band4-20MHz-QPSK-20175-100RB#0-17.862



Date: 1.MAY 2021 00:14:12

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



Date: 1.MAY 2021 00:14:52

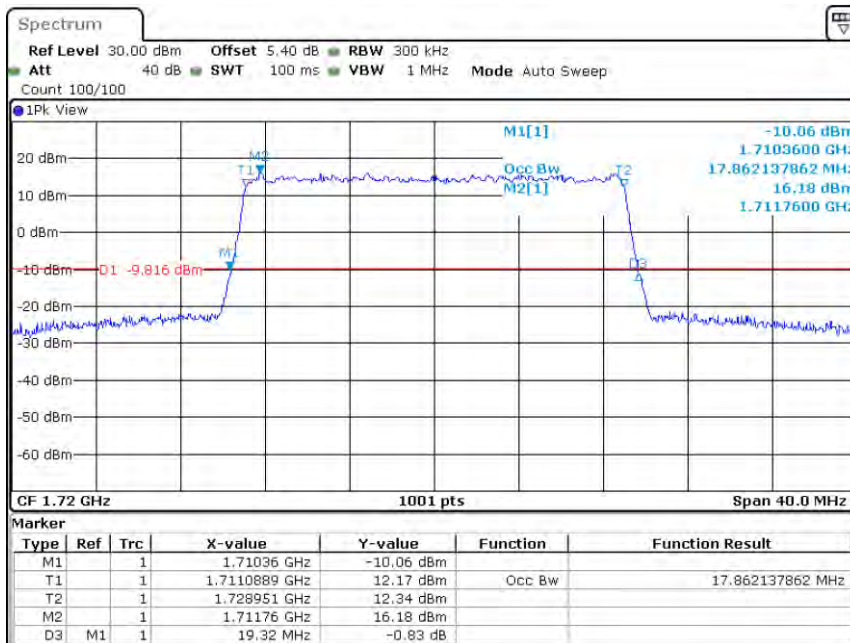


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

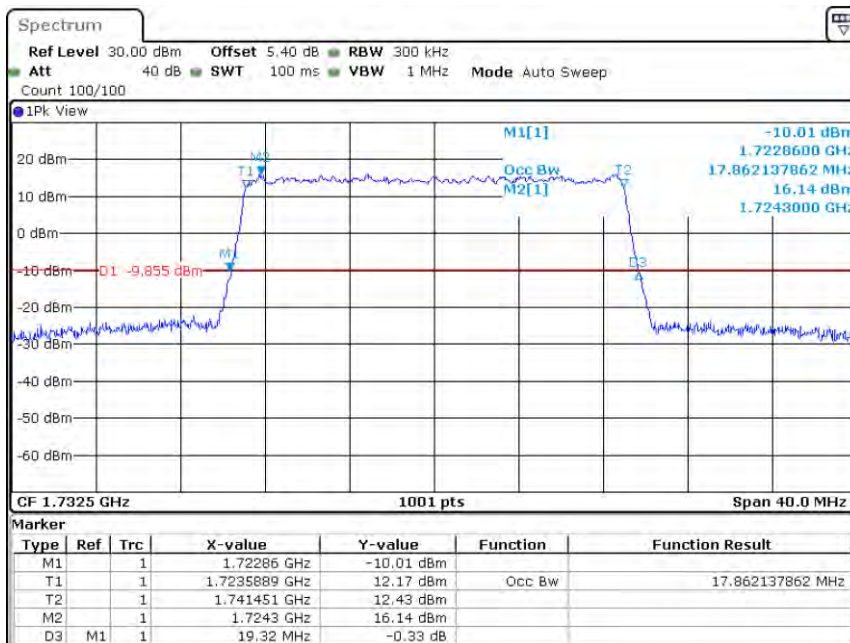


Band4-20MHz-64QAM-20050-100RB#0-17.862



Date: 1.MAY 2021 09:21:58

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



Date: 1.MAY 2021 09:22:18

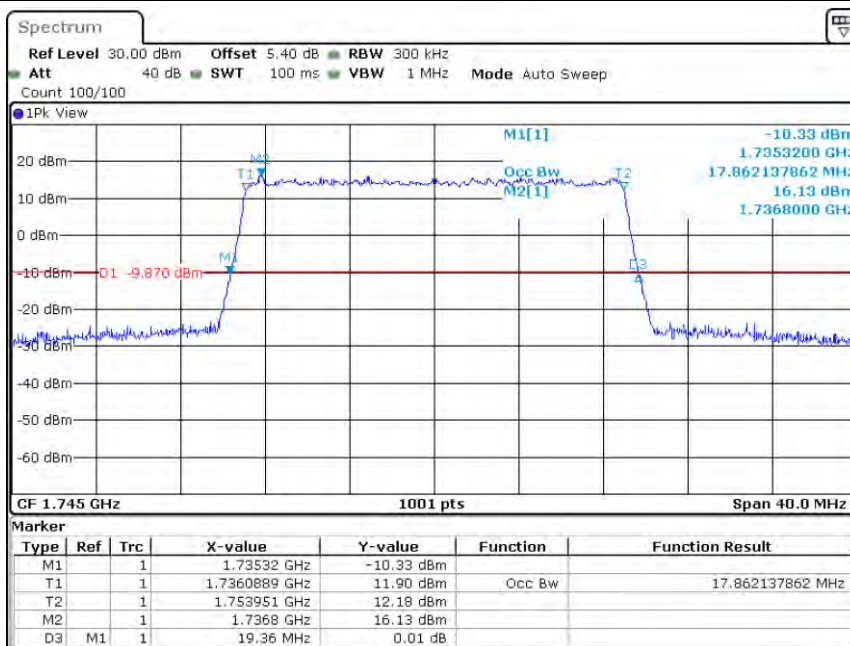


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

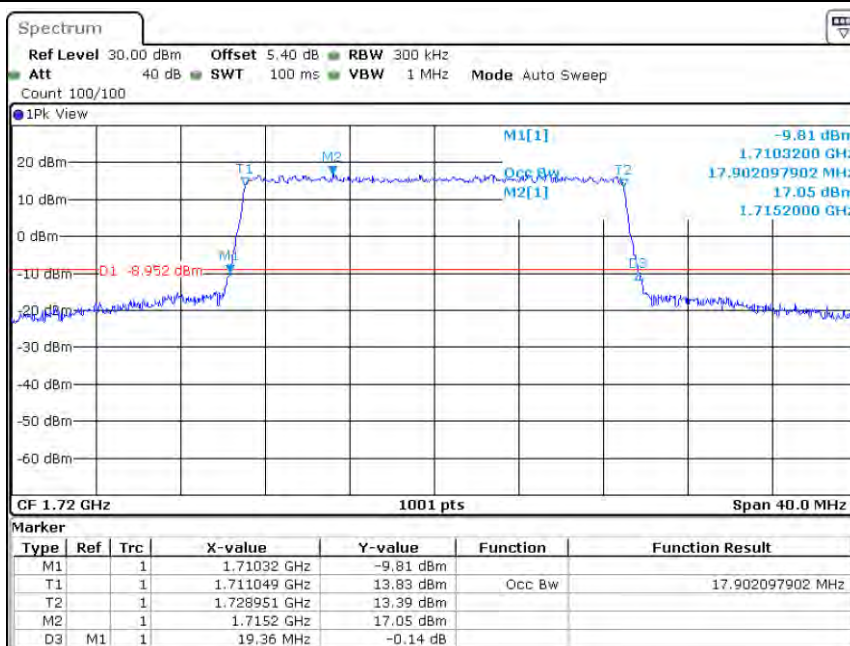


Band4-20MHz-64QAM-20300-100RB#0-17.862



Date: 1.MAY 2021 09:22:38

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



Date: 1.MAY 2021 00:13:52

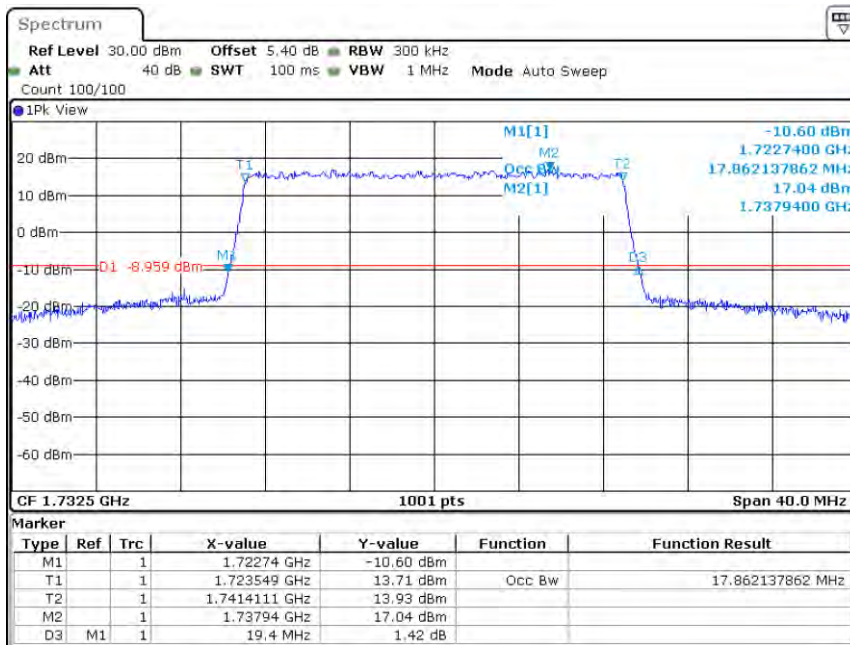


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

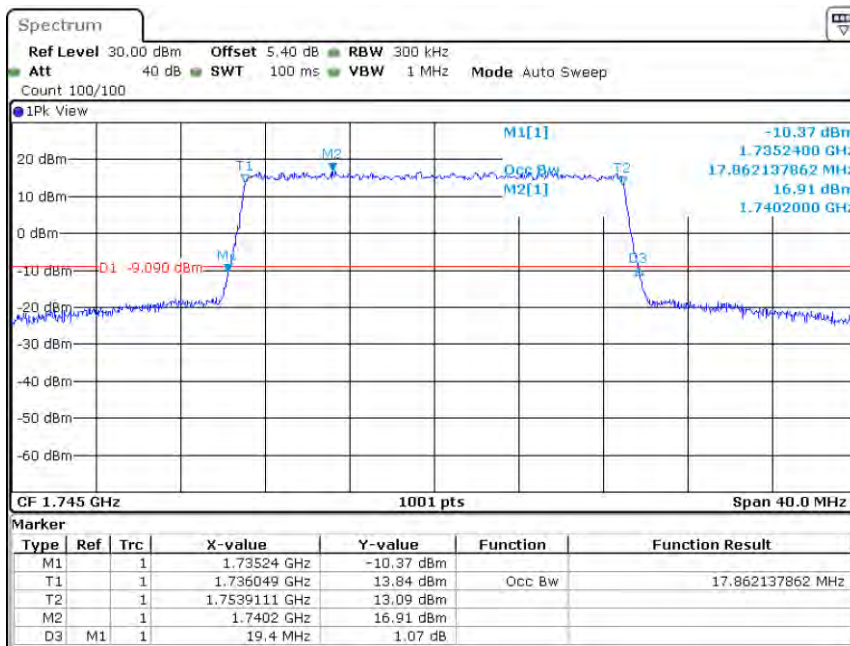


Band4-20MHz-16QAM-20175-100RB#0-17.862



Date: 1.MAY 2021 00:14:32

Band4-20MHz-16QAM-20300-100RB#0-17.862



Date: 1.MAY 2021 00:15:11



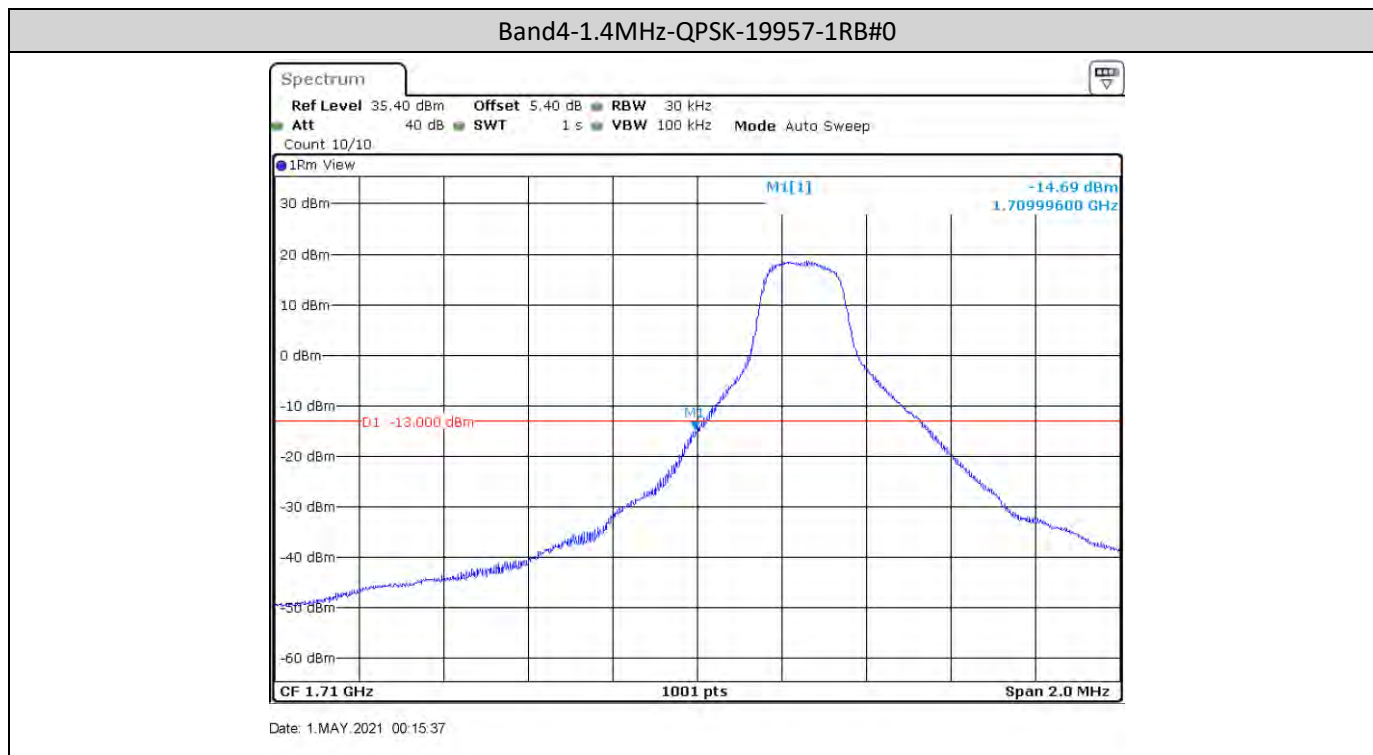
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

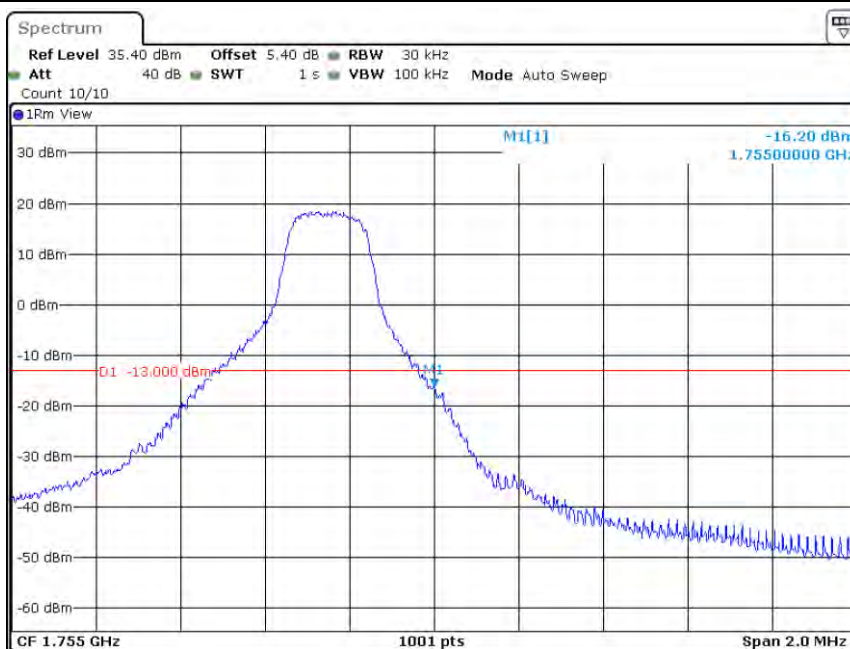


Band4-1.4MHz-QPSK-19957-6RB#0



Date: 1.MAY.2021 00:16:18

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



Date: 1.MAY.2021 00:17:03

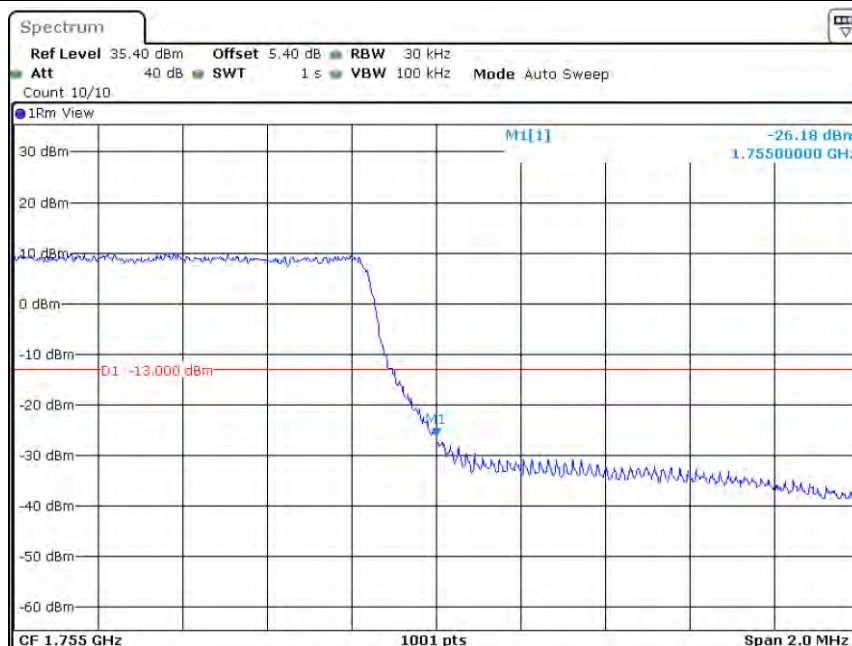


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

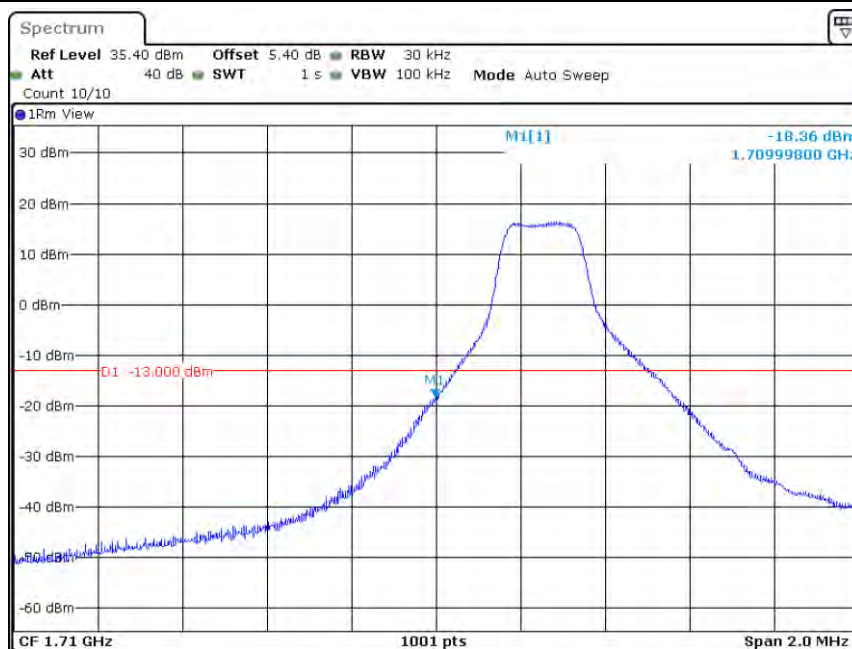


Band4-1.4MHz-QPSK-20393-6RB#0



Date: 1.MAY.2021 00:17:44

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



Date: 1.MAY.2021 09:23:04



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

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

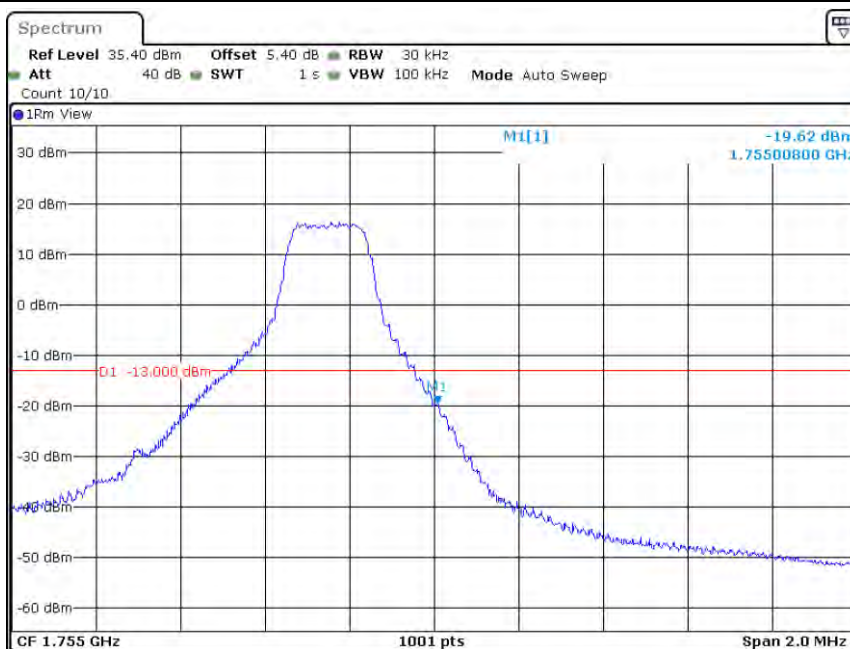


Band4-1.4MHz-64QAM-19957-6RB#0



Date: 1.MAY 2021 09:23:24

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

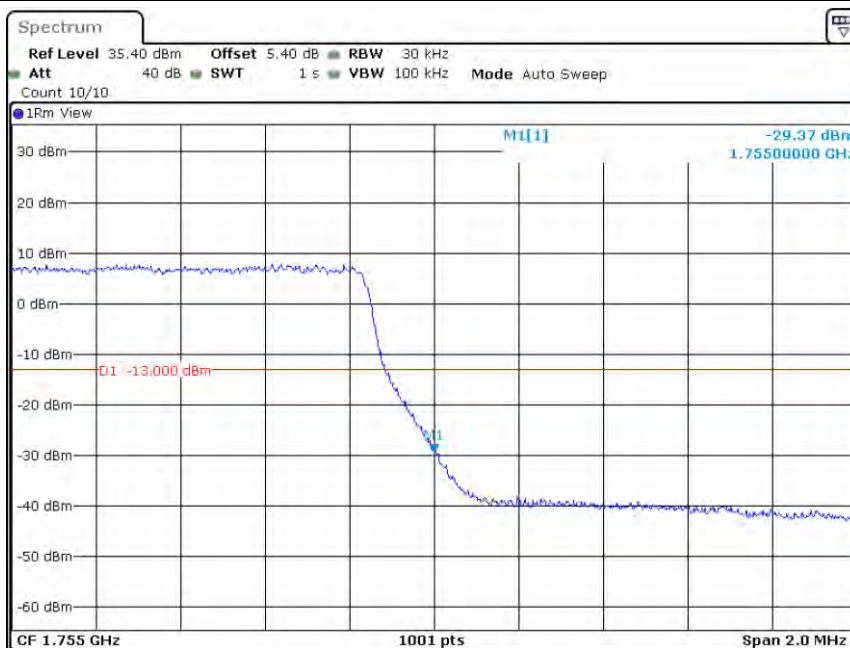


Date: 1.MAY 2021 09:23:49





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



Date: 1.MAY.2021 09:24:10

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



Date: 1.MAY.2021 00:15:57



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

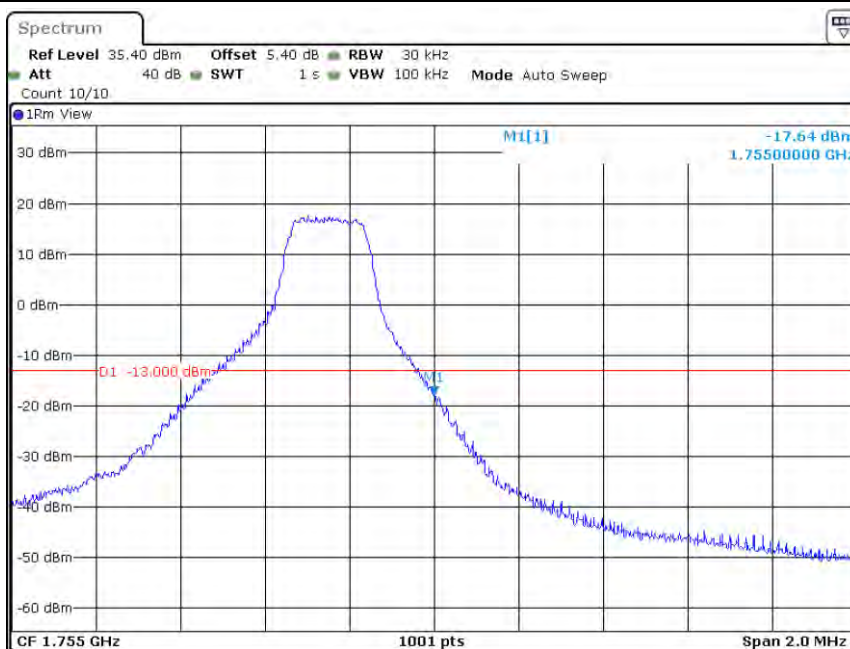


Band4-1.4MHz-16QAM-19957-6RB#0



Date: 1.MAY 2021 00:16:38

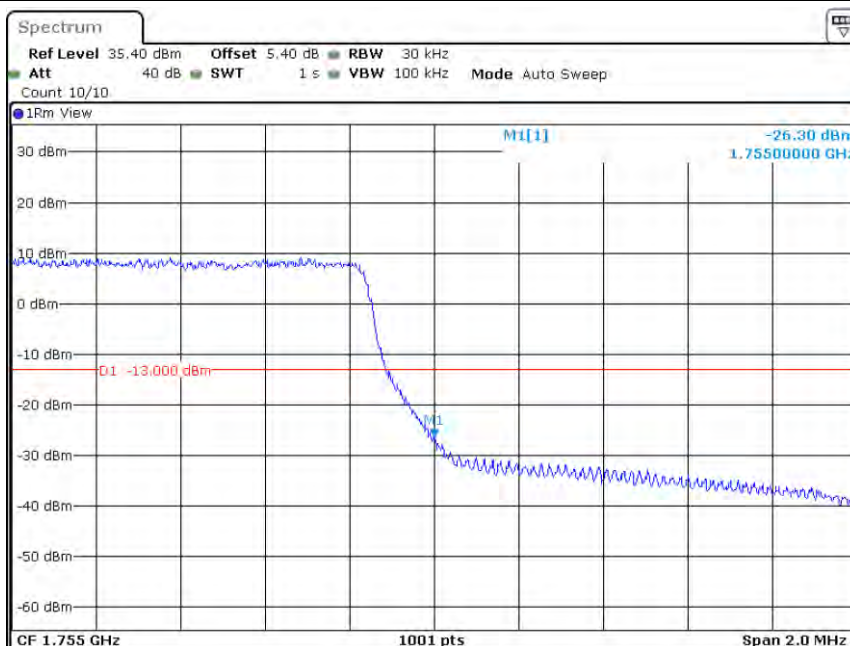
Band4-1.4MHz-16QAM-20393-1RB#5



Date: 1.MAY 2021 00:17:23



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



Date: 1.MAY.2021 00:18:04

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



Date: 1.MAY.2021 00:18:30



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

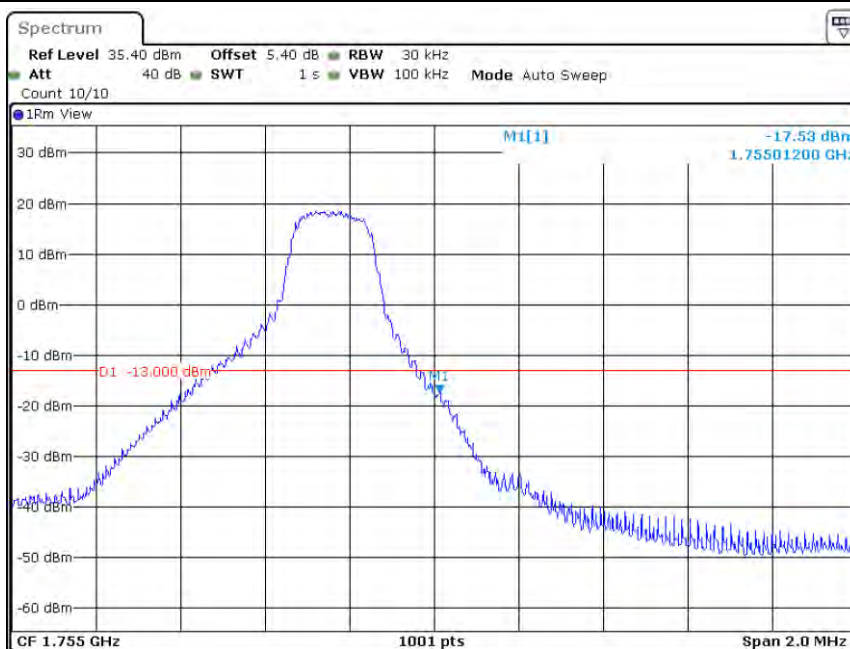


Band4-3MHz-QPSK-19965-15RB#0



Date: 1.MAY.2021 00:19:11

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



Date: 1.MAY.2021 00:19:56

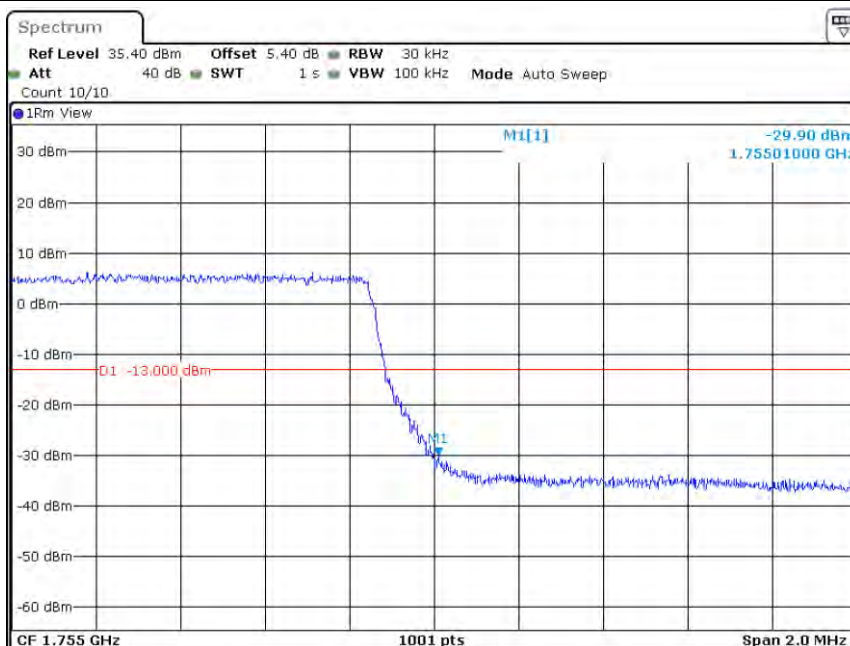


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

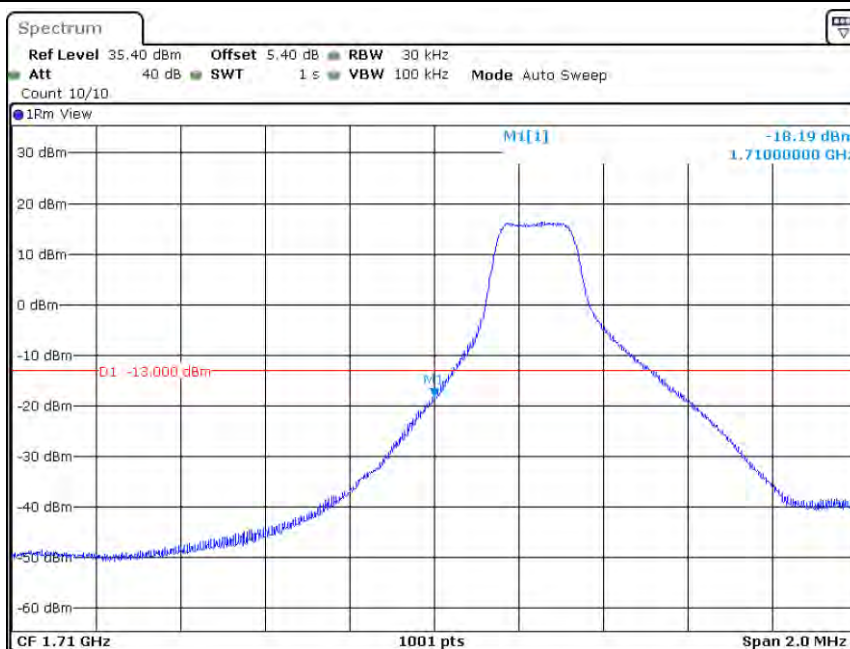


Band4-3MHz-QPSK-20385-15RB#0



Date: 1.MAY.2021 00:20:37

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



Date: 1.MAY.2021 09:24:35



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

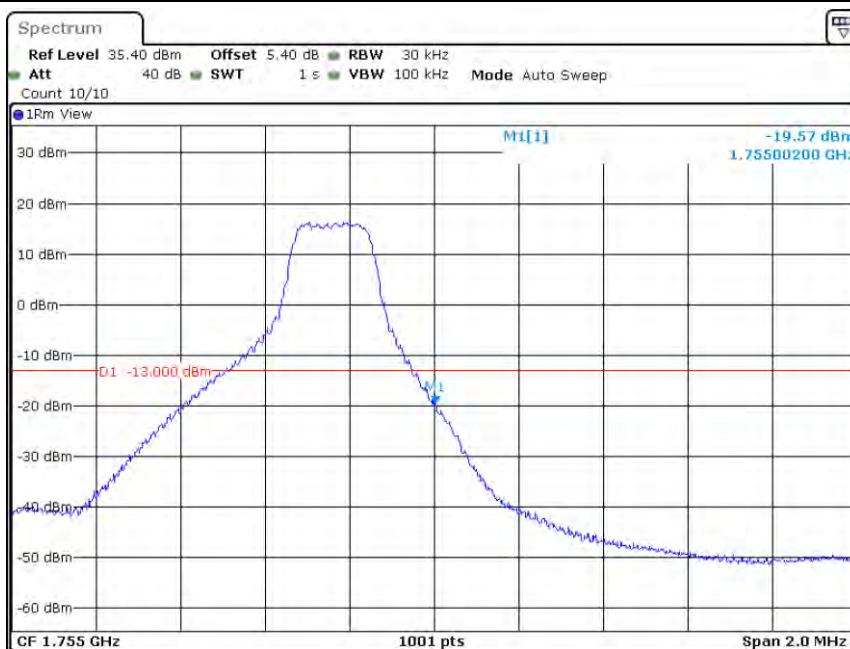


Band4-3MHz-64QAM-19965-15RB#0



Date: 1.MAY.2021 09:24:56

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



Date: 1.MAY.2021 09:25:21

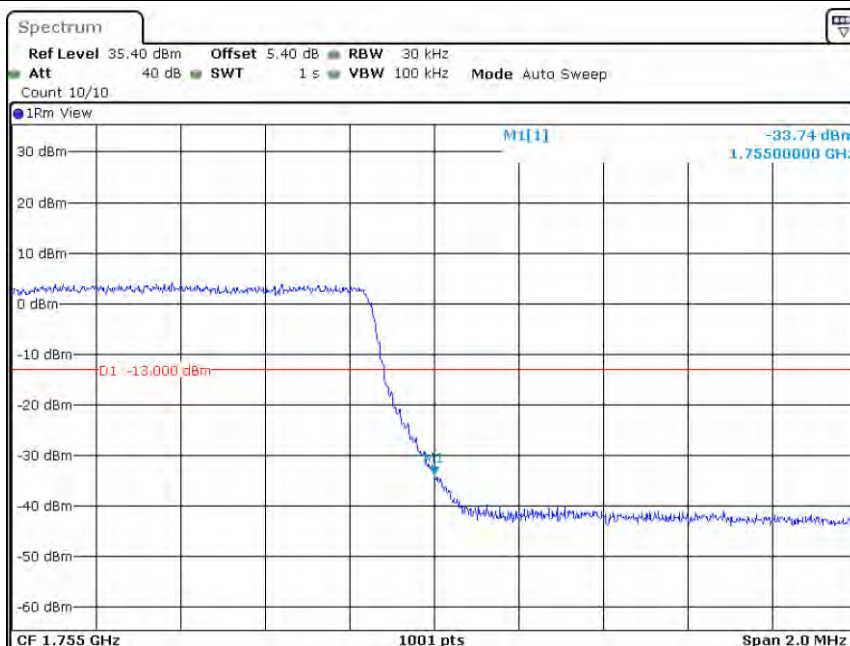


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 1.MAY.2021 09:25:41

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



Date: 1.MAY.2021 00:18:50



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

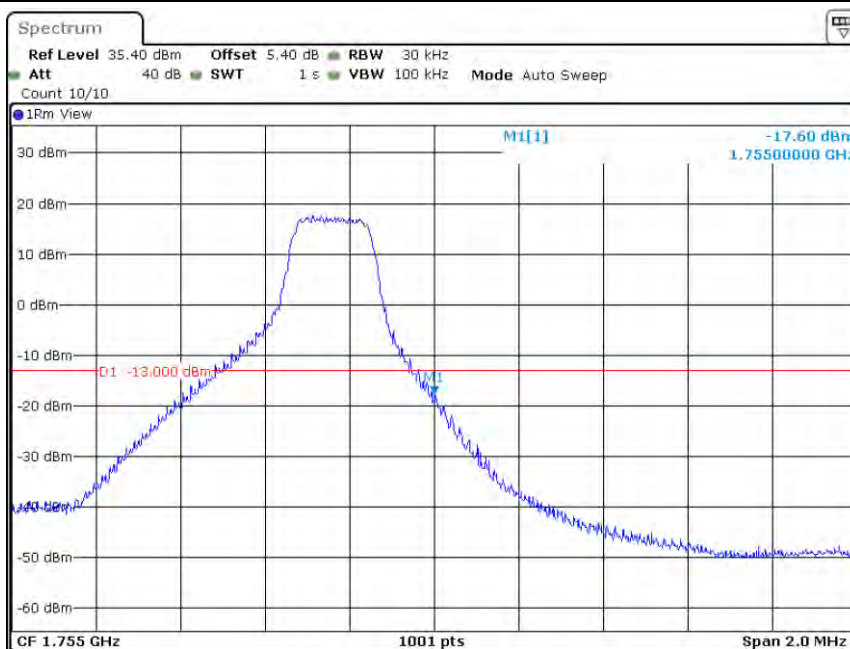
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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: 1.MAY.2021 00:19:31

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



Date: 1.MAY.2021 00:20:16

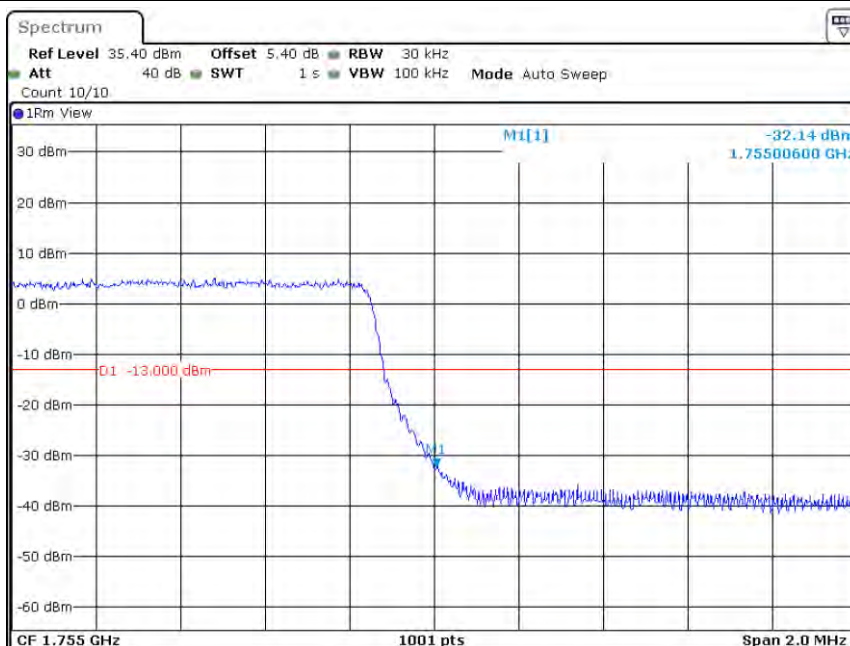


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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: 1.MAY.2021 00:20:57

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



Date: 1.MAY.2021 00:21:22



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

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

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

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

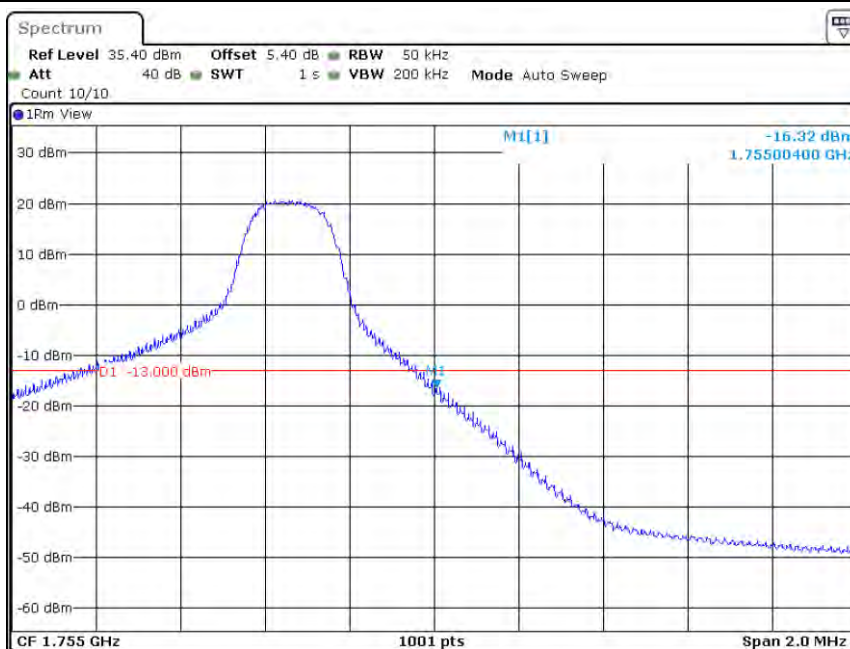


Band4-5MHz-QPSK-19975-25RB#0



Date: 1.MAY 2021 00:22:03

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



Date: 1.MAY 2021 00:22:49

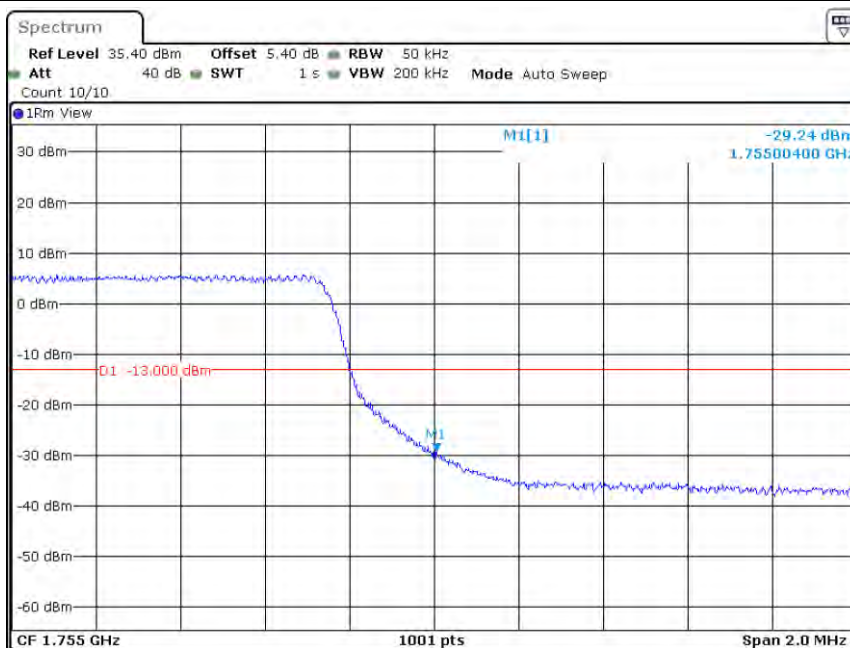


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

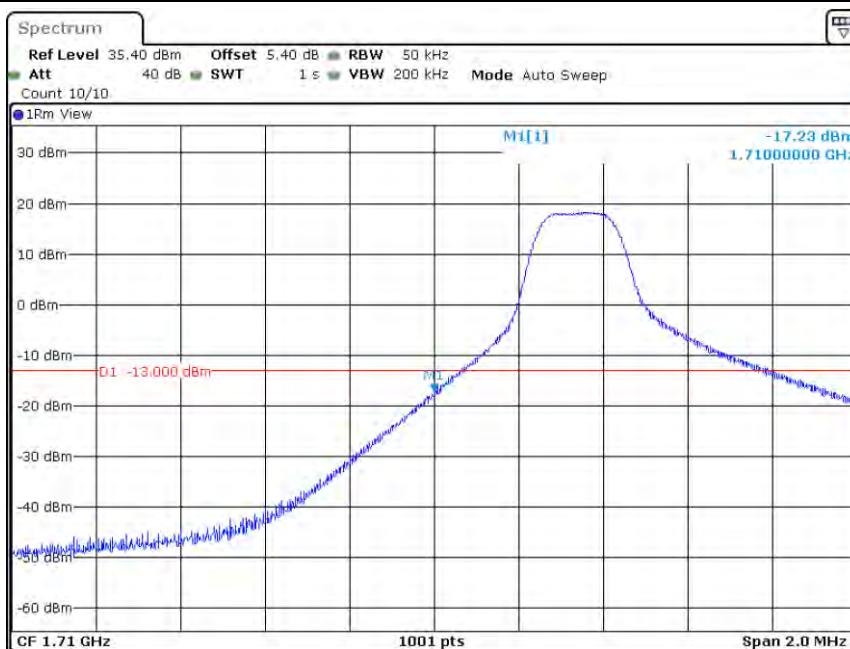


Band4-5MHz-QPSK-20375-25RB#0



Date: 1.MAY.2021 00:23:30

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



Date: 1.MAY.2021 09:26:07



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

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

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

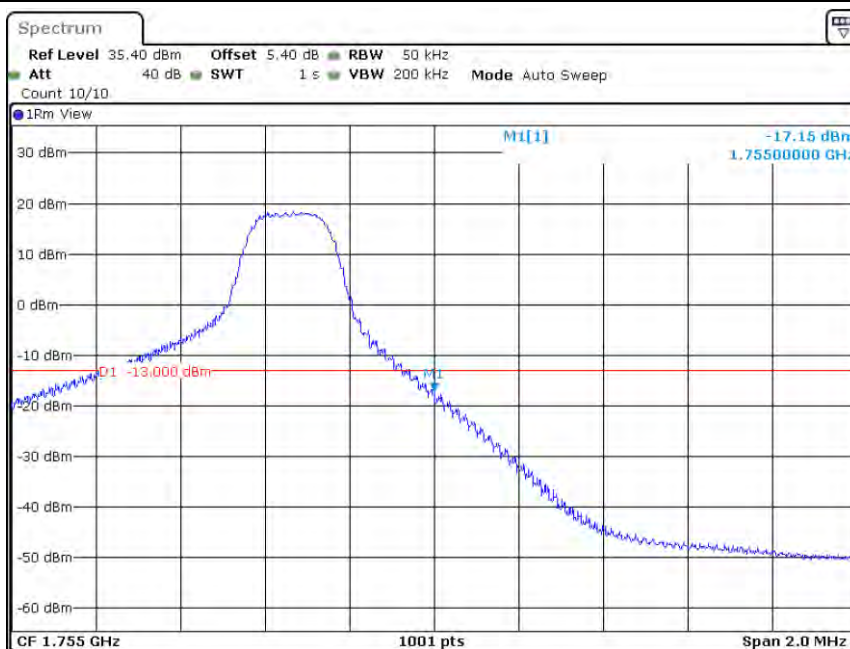
Member of the SGS Group (SGS SA)

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



Date: 1.MAY.2021 09:26:27

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



Date: 1.MAY.2021 09:26:52

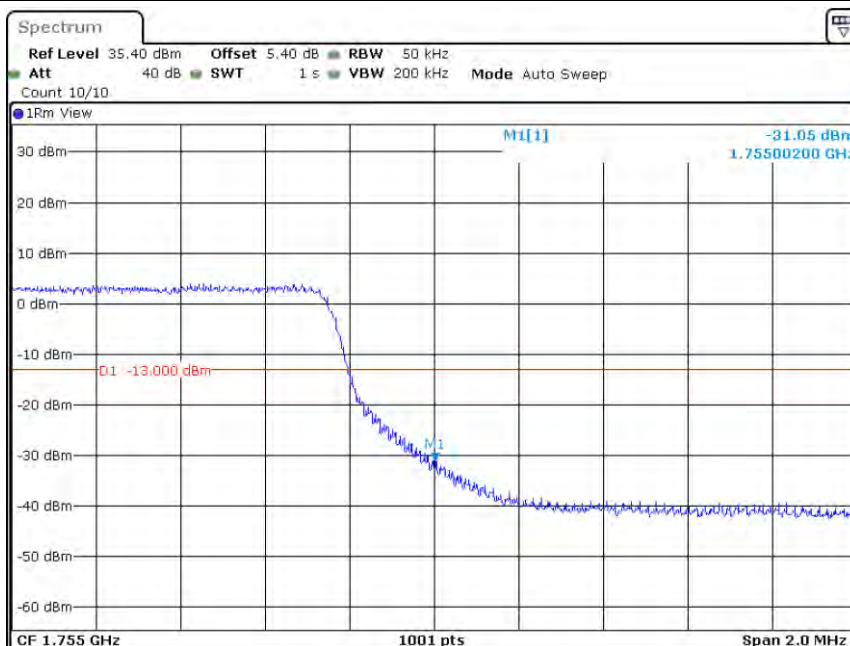


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 1.MAY.2021 09:27:13

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



Date: 1.MAY.2021 00:21:43



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

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

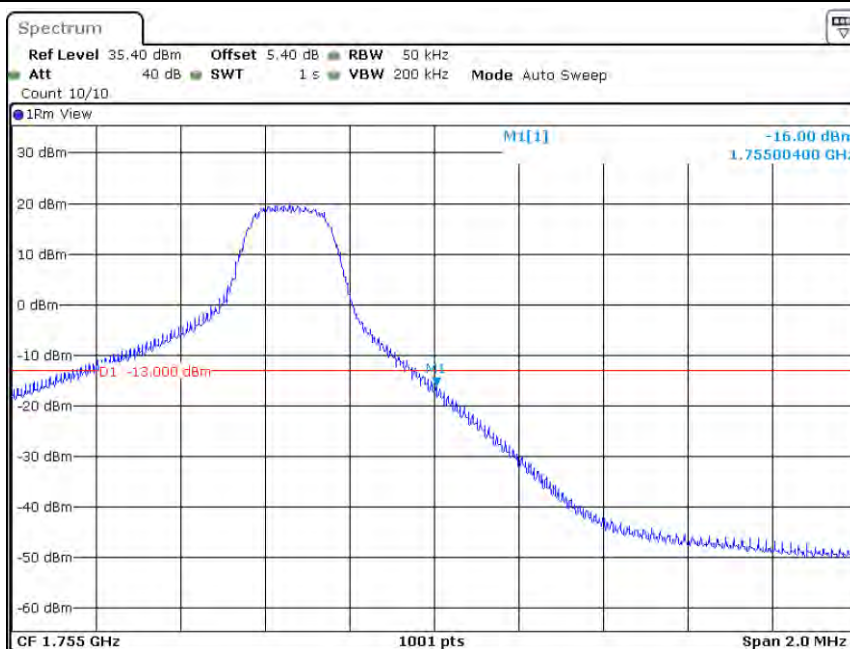
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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: 1.MAY.2021 00:22:24

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



Date: 1.MAY.2021 00:23:09



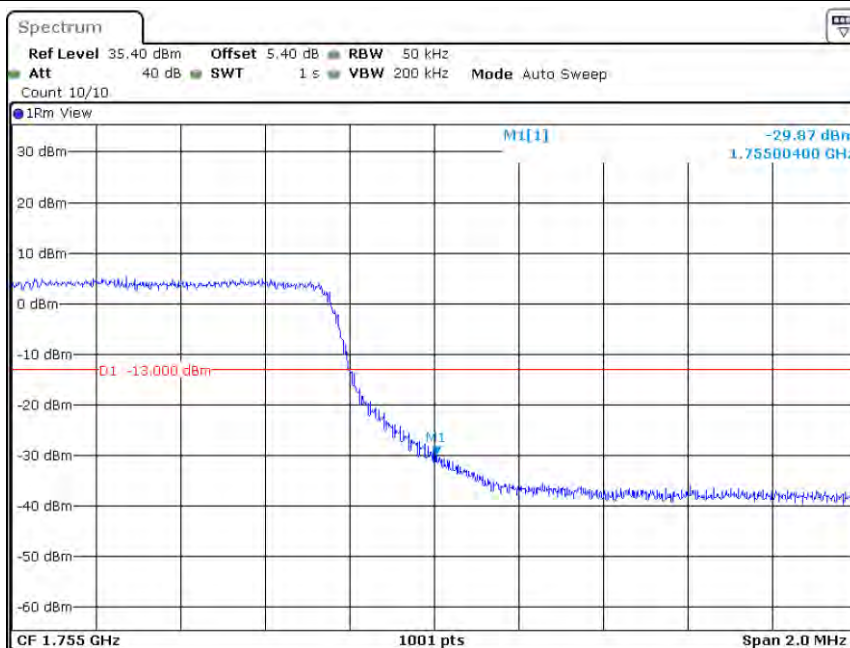
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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: 1.MAY.2021 00:23:50

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



Date: 1.MAY.2021 00:24:15



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

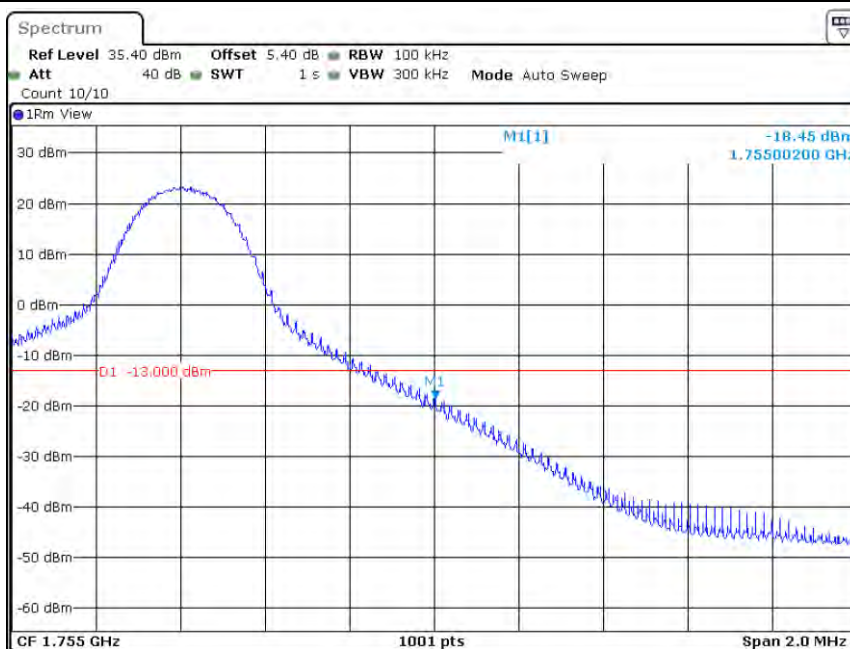


Band4-10MHz-QPSK-20000-50RB#0



Date: 1.MAY.2021 00:24:57

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



Date: 1.MAY.2021 00:25:47

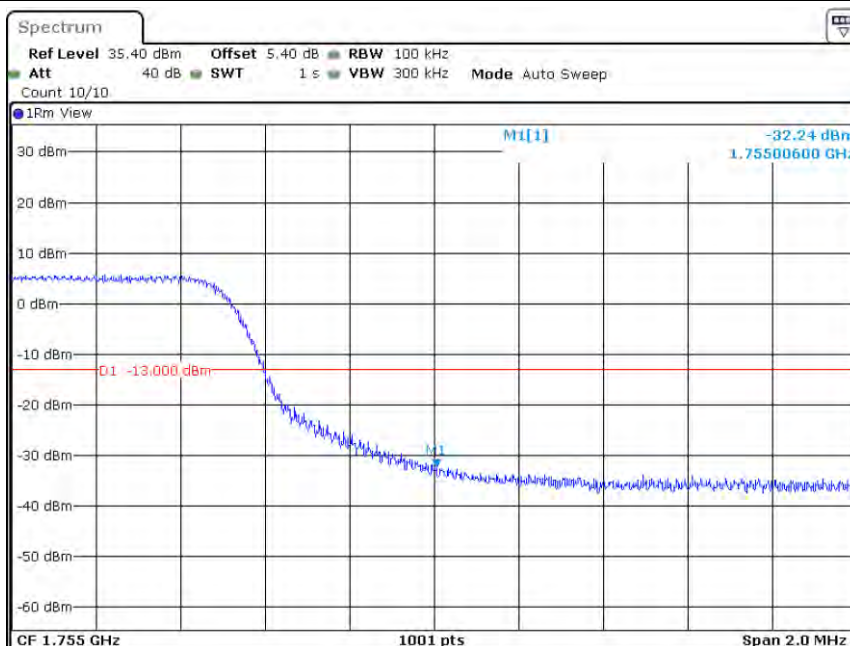


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 1.MAY.2021 00:26:28

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



Date: 1.MAY.2021 09:27:38



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-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

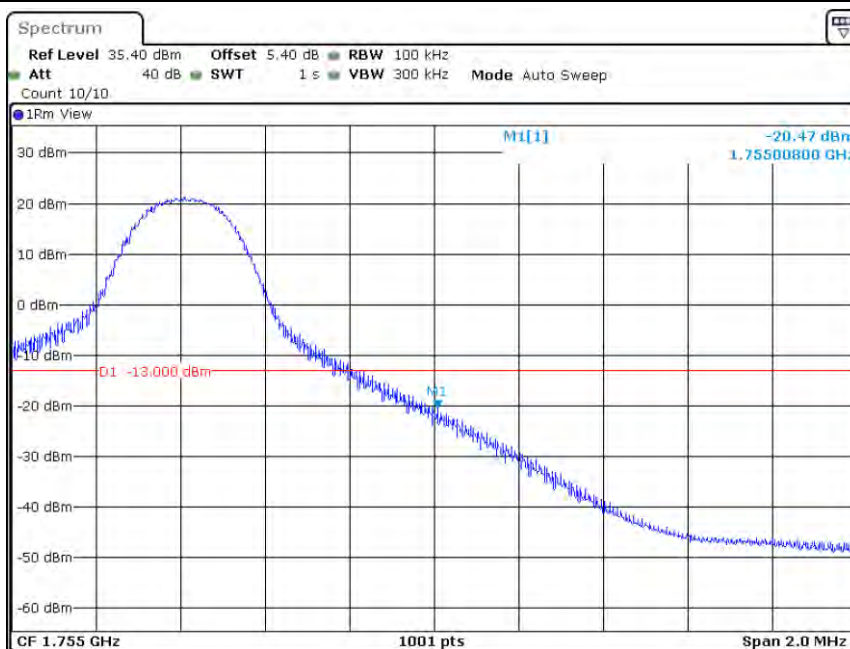


Band4-10MHz-64QAM-20000-50RB#0



Date: 1.MAY 2021 09:27:59

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



Date: 1.MAY 2021 09:28:24



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

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



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



Date: 1.MAY.2021 09:28:44

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



Date: 1.MAY.2021 00:24:36



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

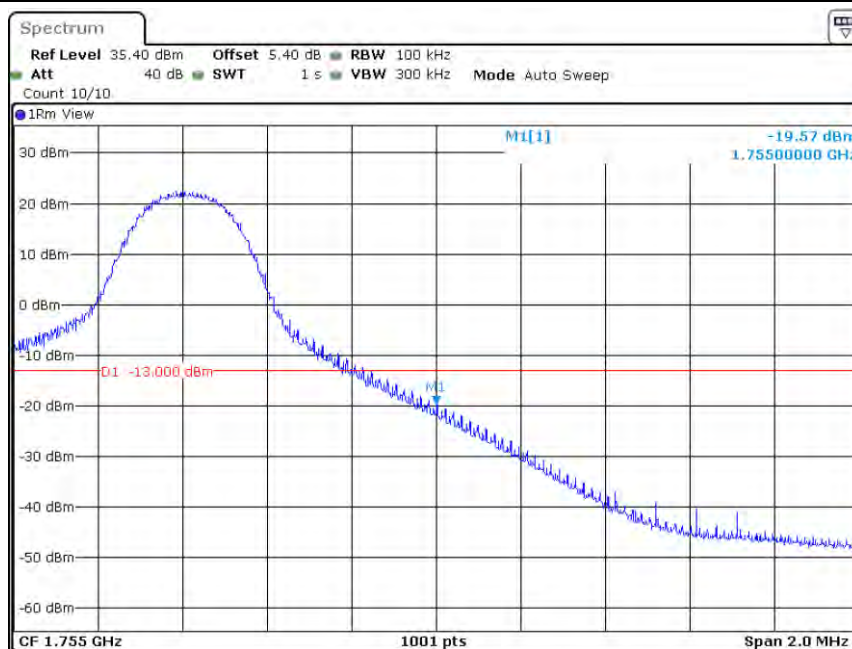


Band4-10MHz-16QAM-20000-50RB#0



Date: 1.MAY.2021 00:25:17

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



Date: 1.MAY.2021 00:26:07



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

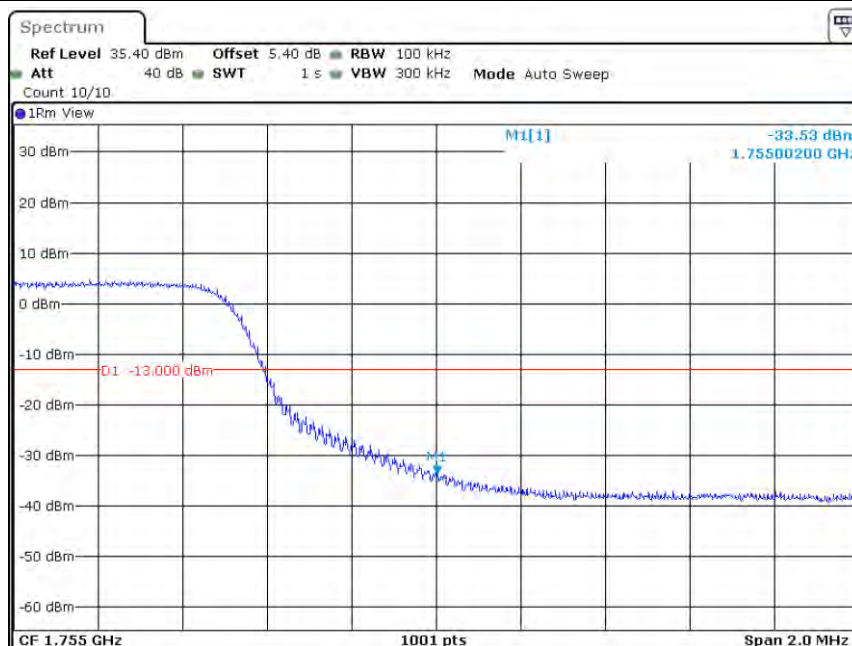
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Member of the SGS Group (SGS SA)



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



Date: 1.MAY.2021 00:26:48

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



Date: 1.MAY.2021 00:27:14



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

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



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



Date: 1.MAY.2021 00:27:55

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



Date: 1.MAY.2021 00:28:40

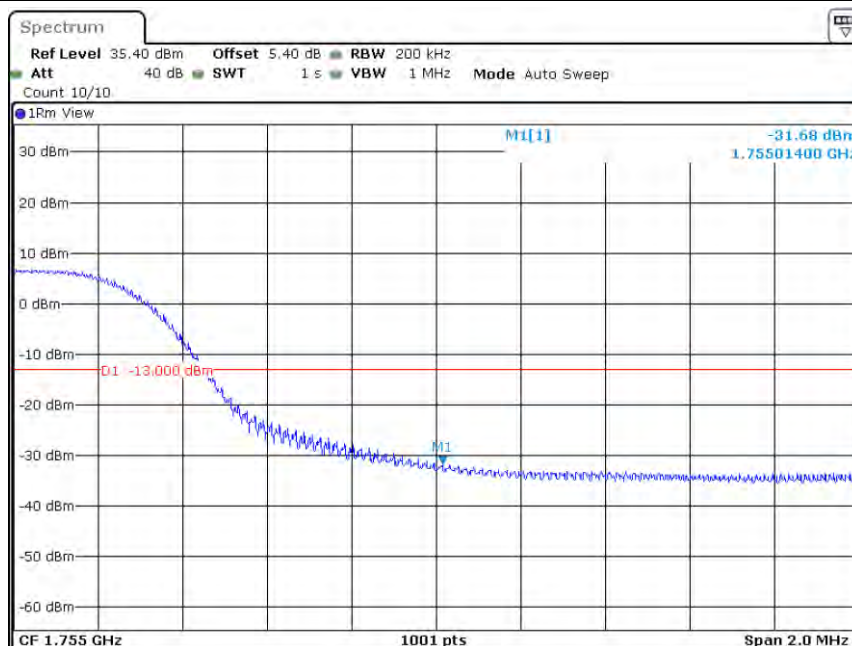


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 1.MAY.2021 00:29:21

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



Date: 1.MAY.2021 09:29:10



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

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

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

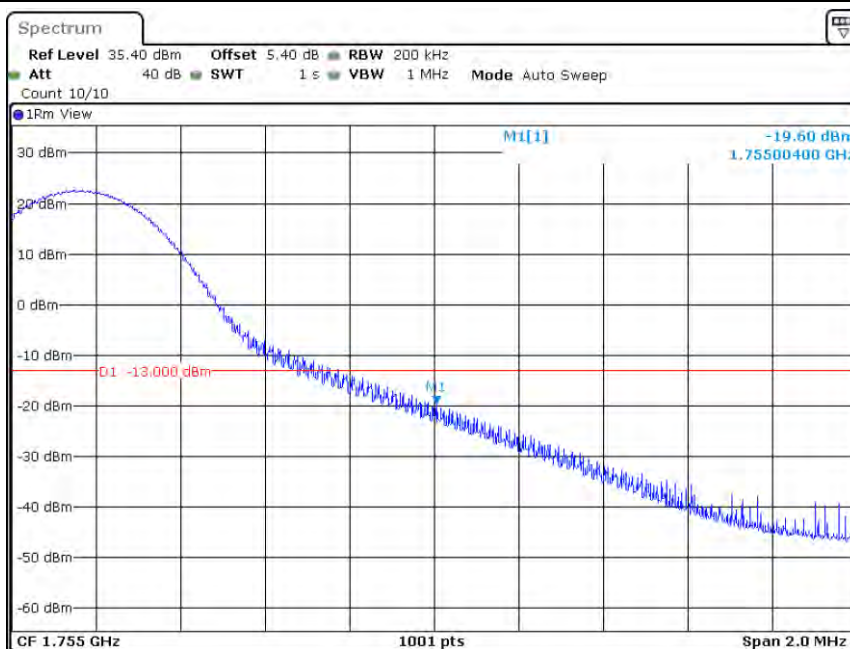


Band4-15MHz-64QAM-20025-75RB#0



Date: 1.MAY.2021 09:29:30

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



Date: 1.MAY.2021 09:29:55

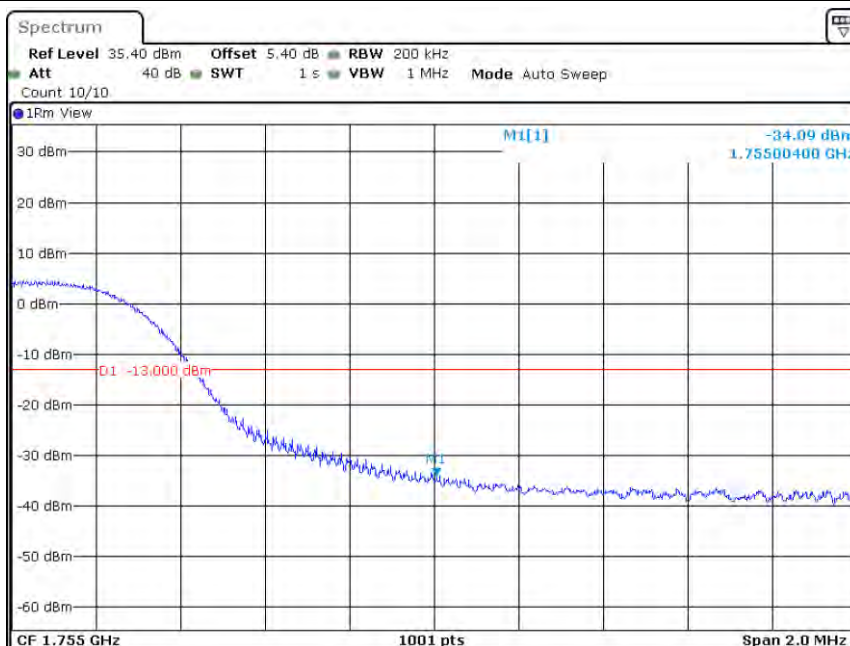


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 1.MAY 2021 09:30:16

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



Date: 1.MAY 2021 00:27:34



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

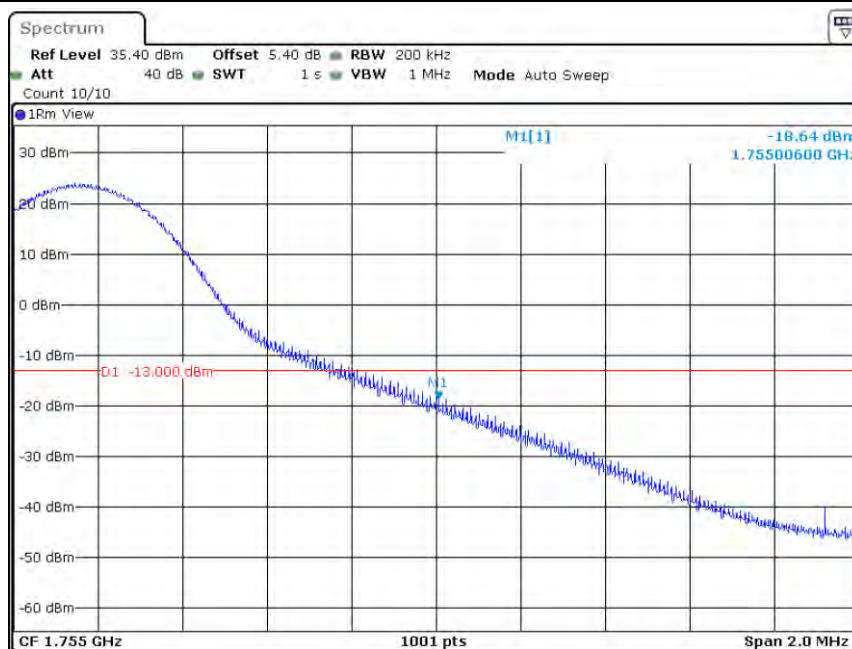


Band4-15MHz-16QAM-20025-75RB#0



Date: 1.MAY 2021 00:28:15

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



Date: 1.MAY 2021 00:29:00

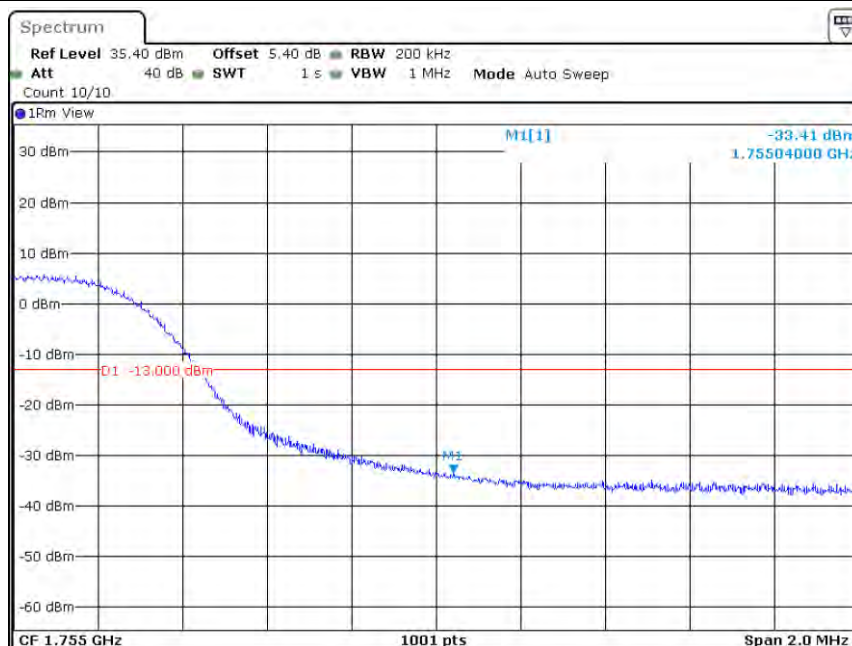


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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



Date: 1.MAY 2021 00:29:41

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



Date: 1.MAY 2021 00:30:07



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

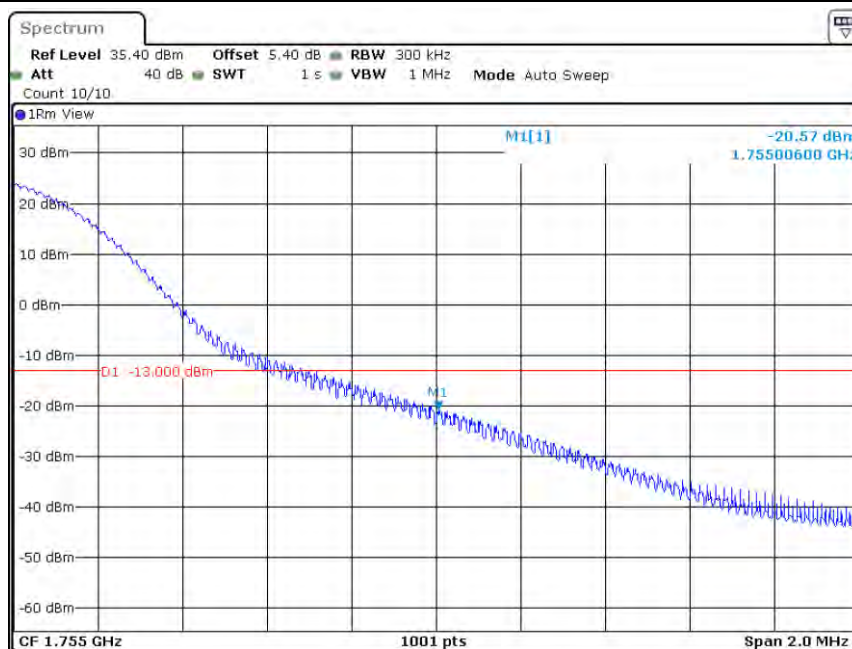


Band4-20MHz-QPSK-20050-100RB#0



Date: 1.MAY.2021 00:30:48

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



Date: 1.MAY.2021 00:31:33



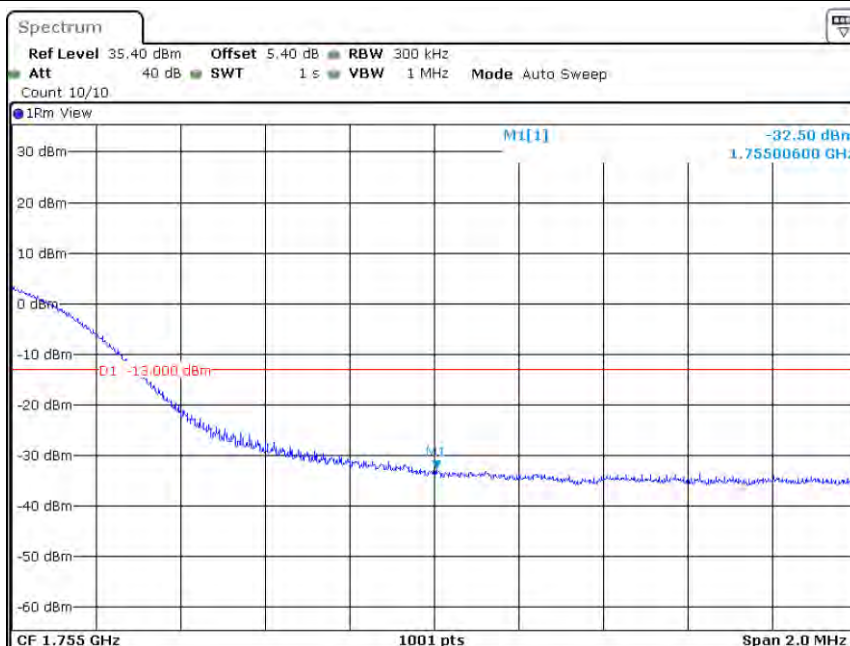
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

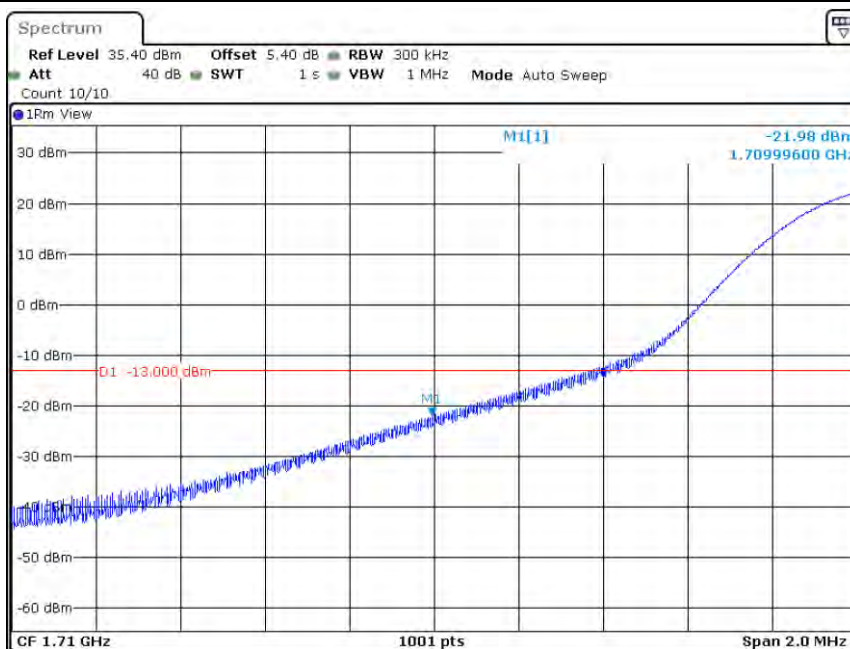


Band4-20MHz-QPSK-20300-100RB#0



Date: 1.MAY 2021 00:32:14

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



Date: 1.MAY 2021 09:30:41



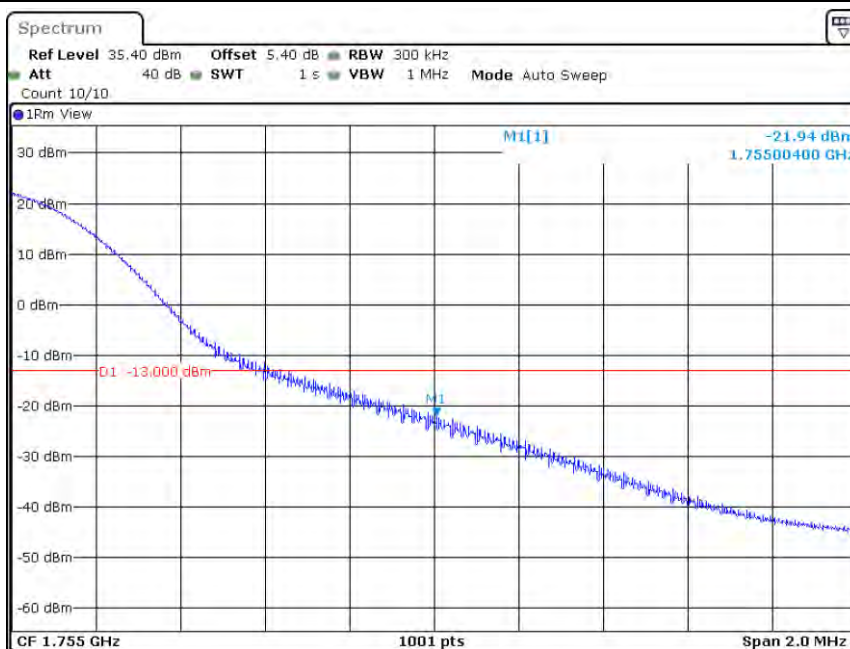


Band4-20MHz-64QAM-20050-100RB#0



Date: 1.MAY.2021 09:31:02

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



Date: 1.MAY.2021 09:31:27

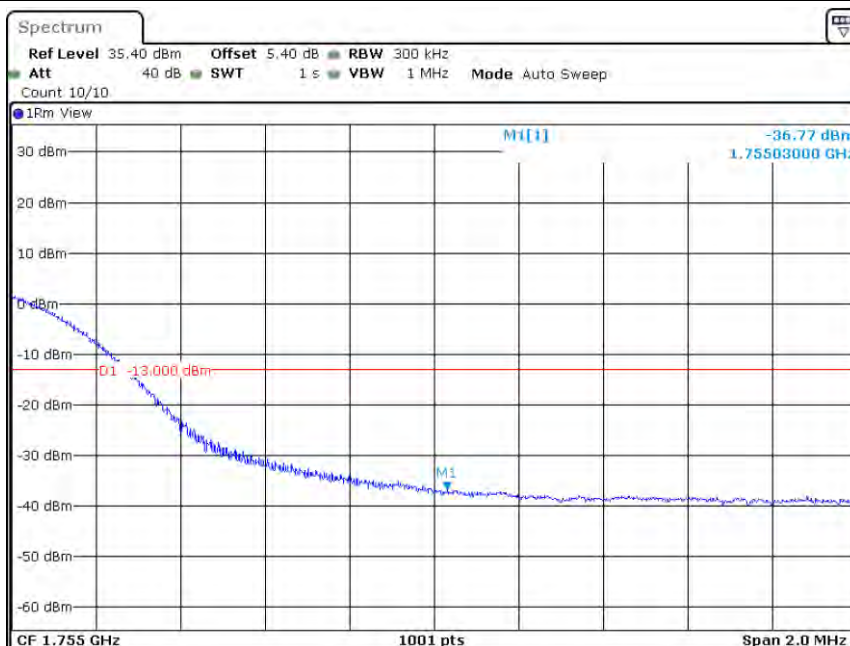


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 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: 1.MAY 2021 09:31:47

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



Date: 1.MAY 2021 00:30:27



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

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

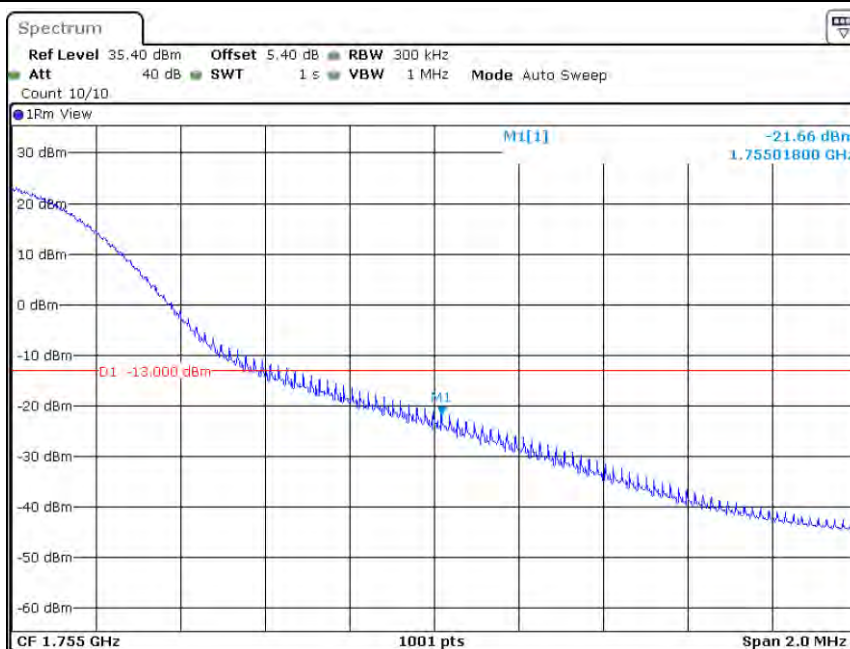


Band4-20MHz-16QAM-20050-100RB#0



Date: 1.MAY 2021 00:31:08

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



Date: 1.MAY 2021 00:31:54

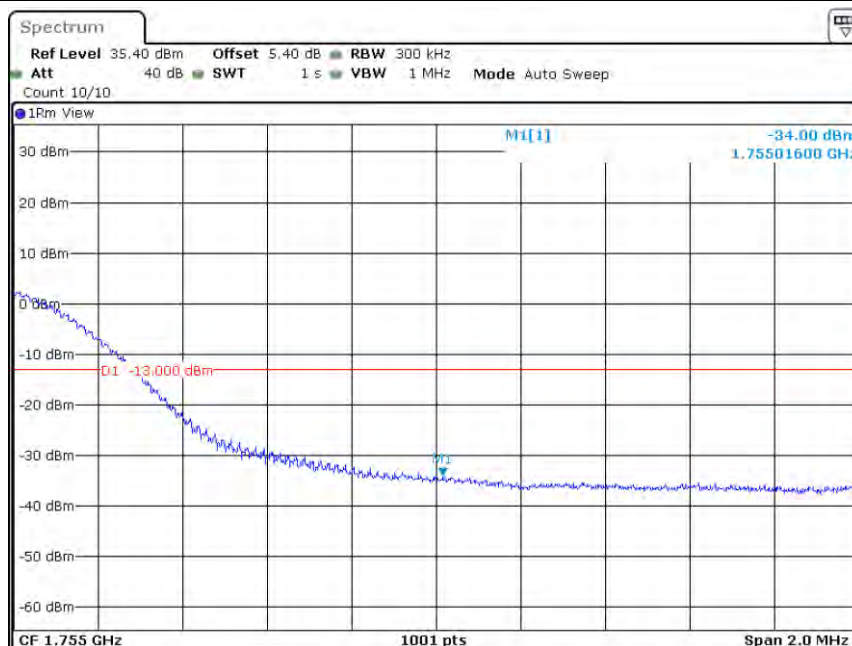


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 1.MAY 2021 00:32:35



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

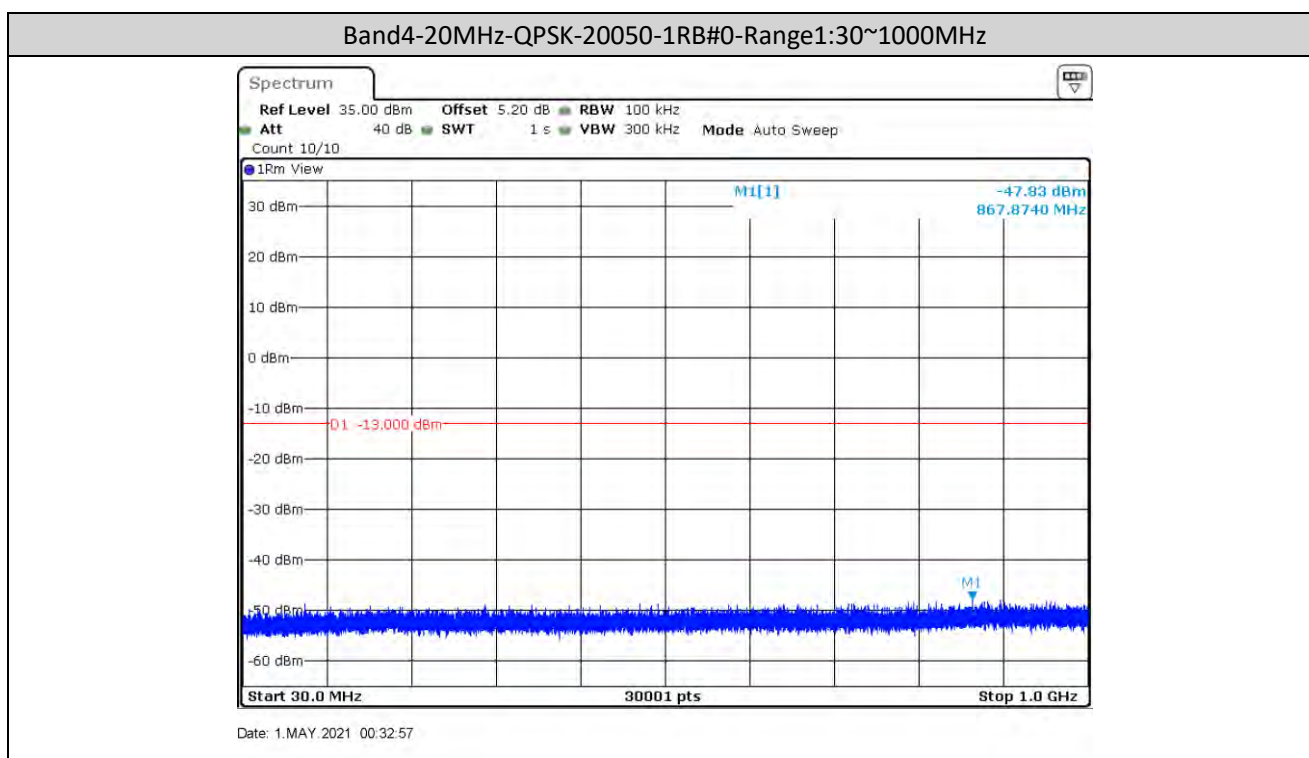
6. Spurious Emission at Antenna Terminal

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 = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: 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.

Remark3: 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 had been displayed.

6.1. Test Plots

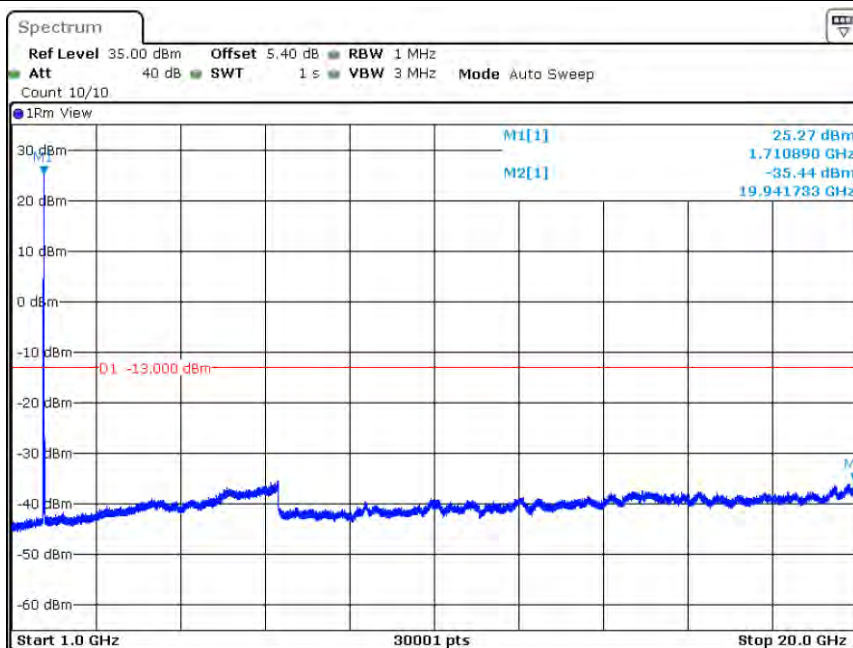


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

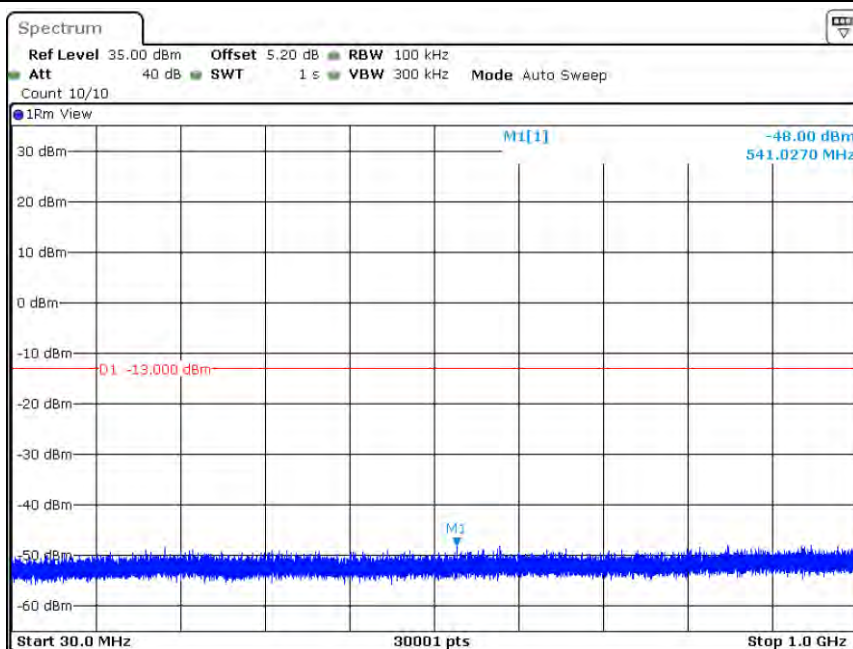
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 1.MAY.2021 00:33:14

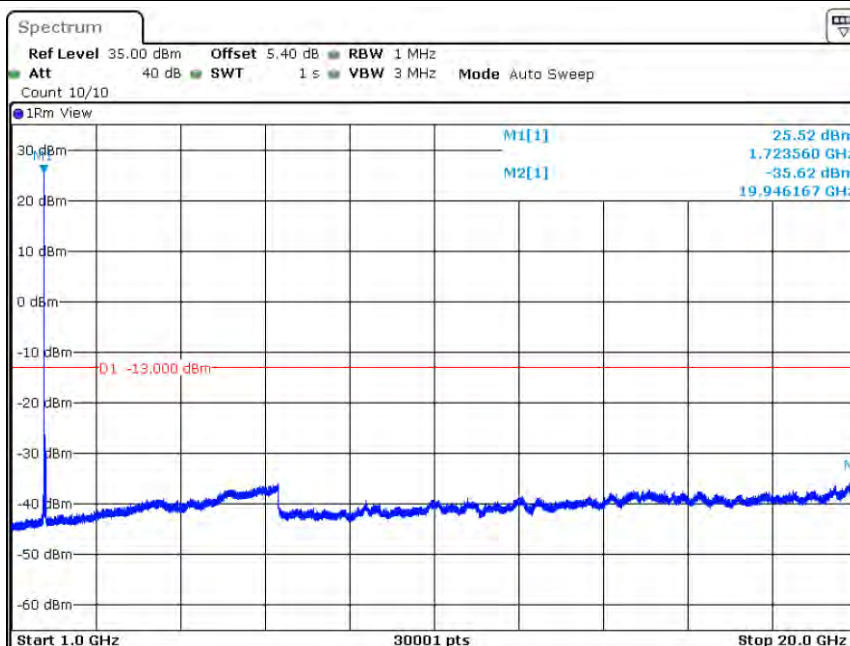
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Date: 1.MAY.2021 00:34:08

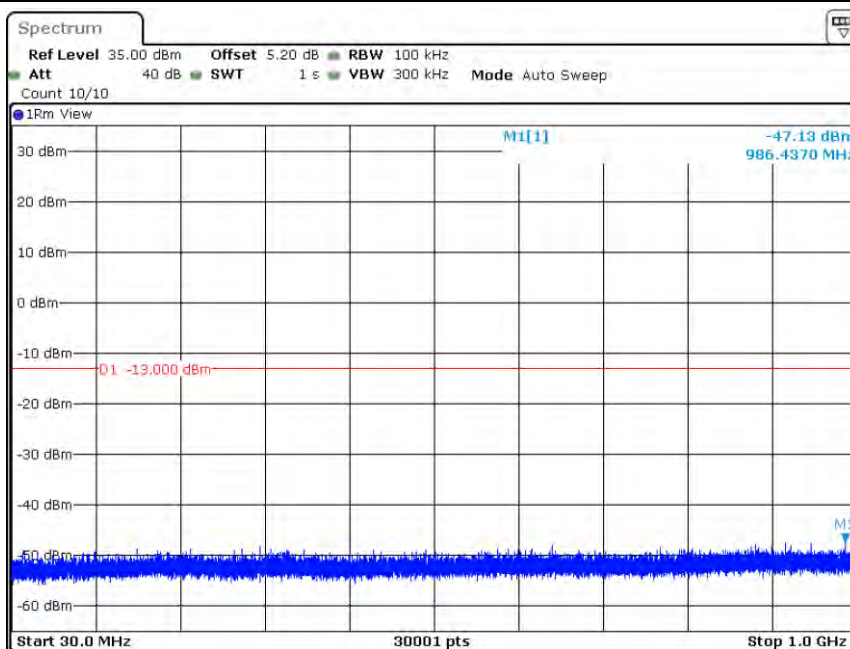


Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 00:34:24

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



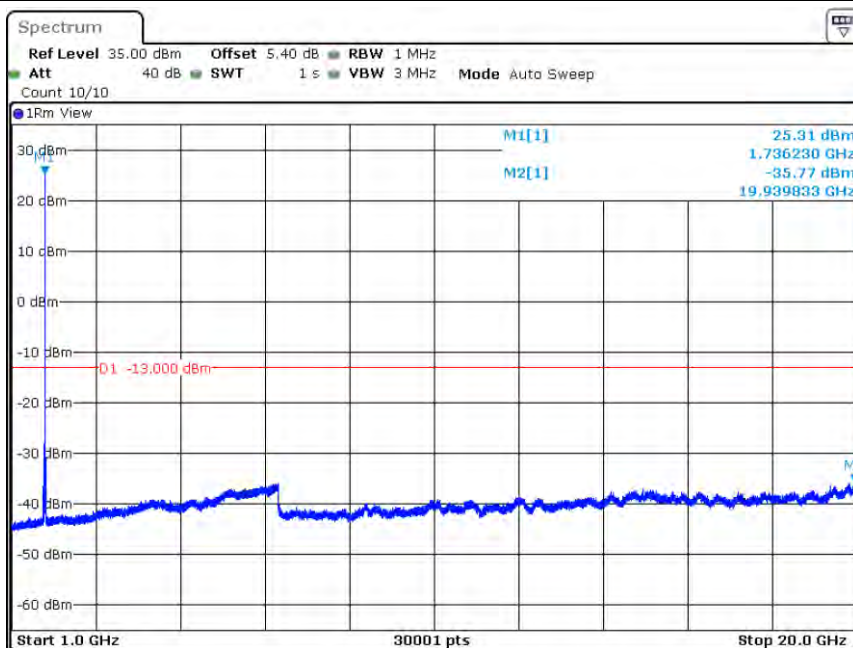
Date: 1.MAY.2021 00:35:18



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.

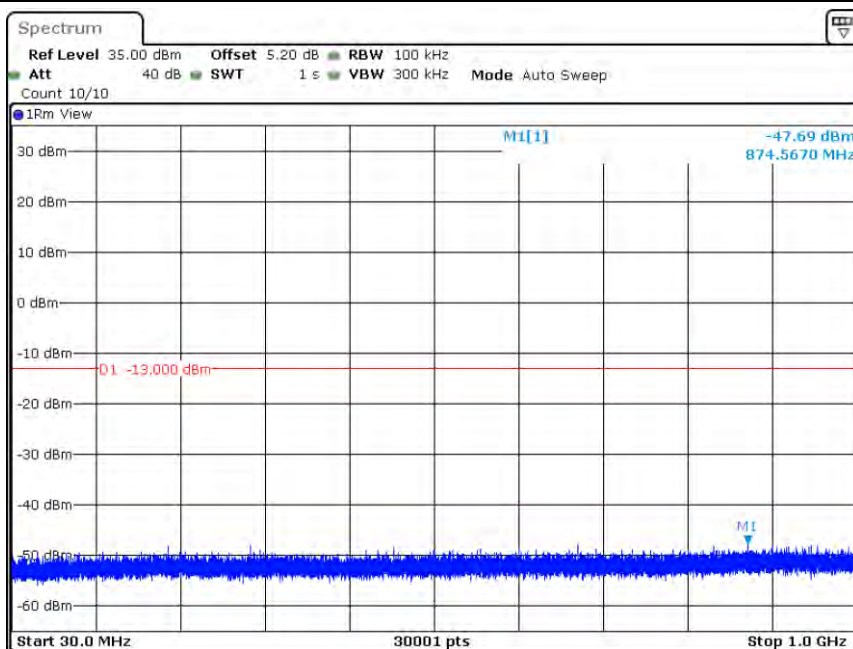
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 00:35:34

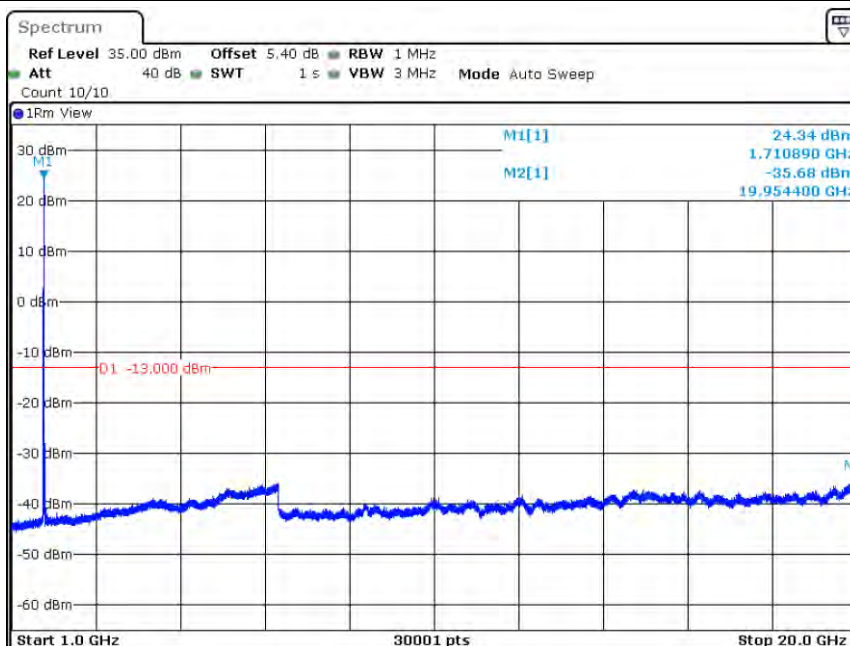
Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz



Date: 1.MAY.2021 09:32:11

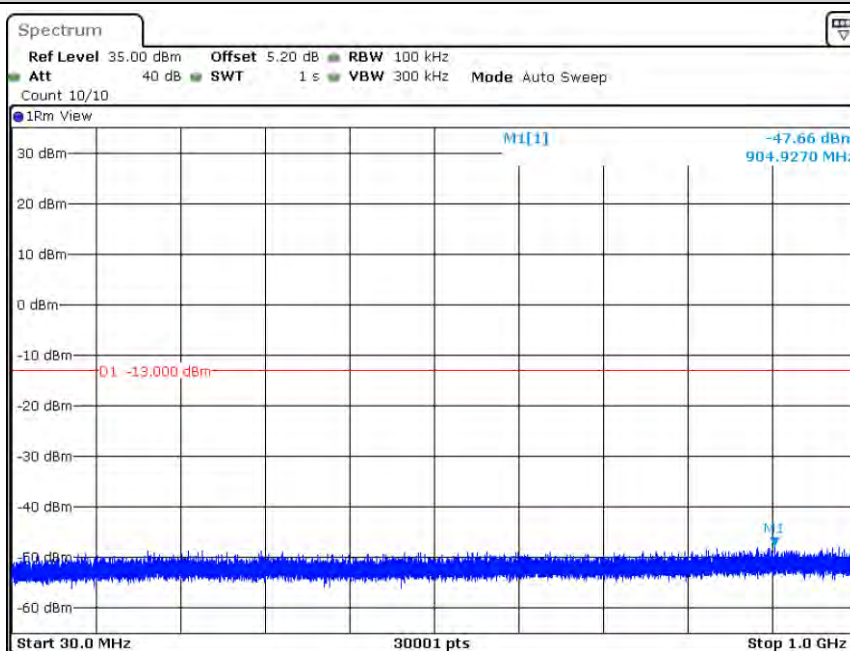


Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 09:32:27

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



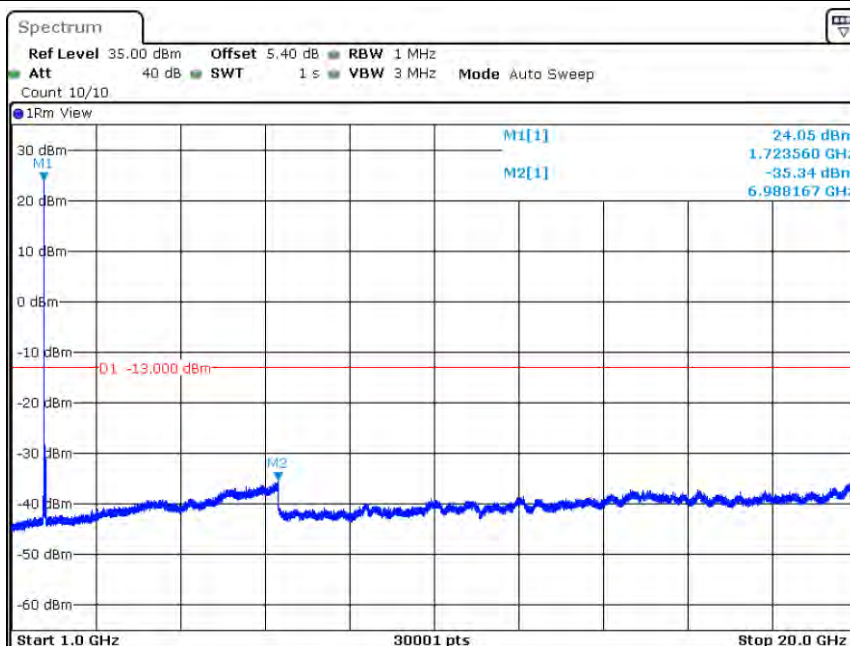
Date: 1.MAY.2021 09:32:46



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

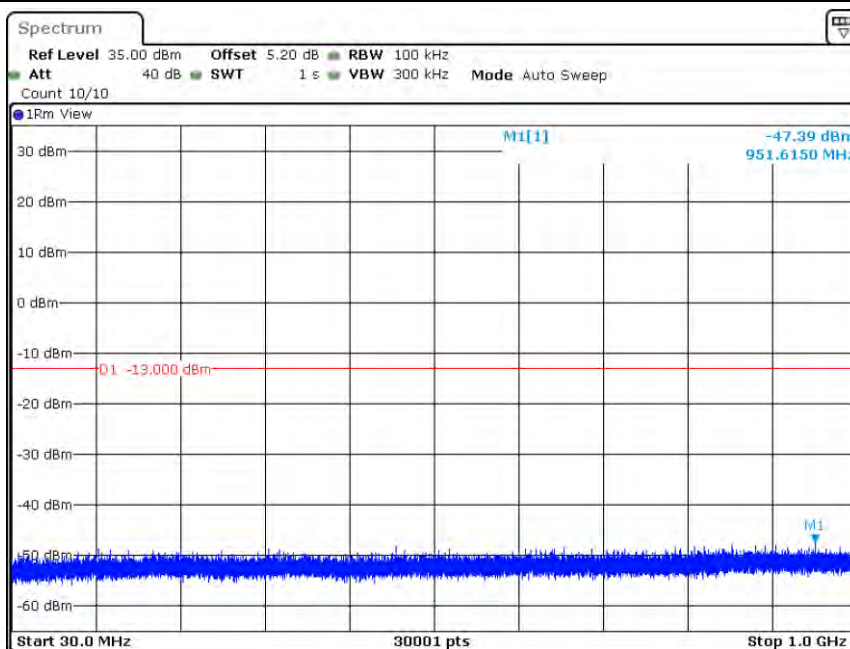
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 1.MAY.2021 09:33:02

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



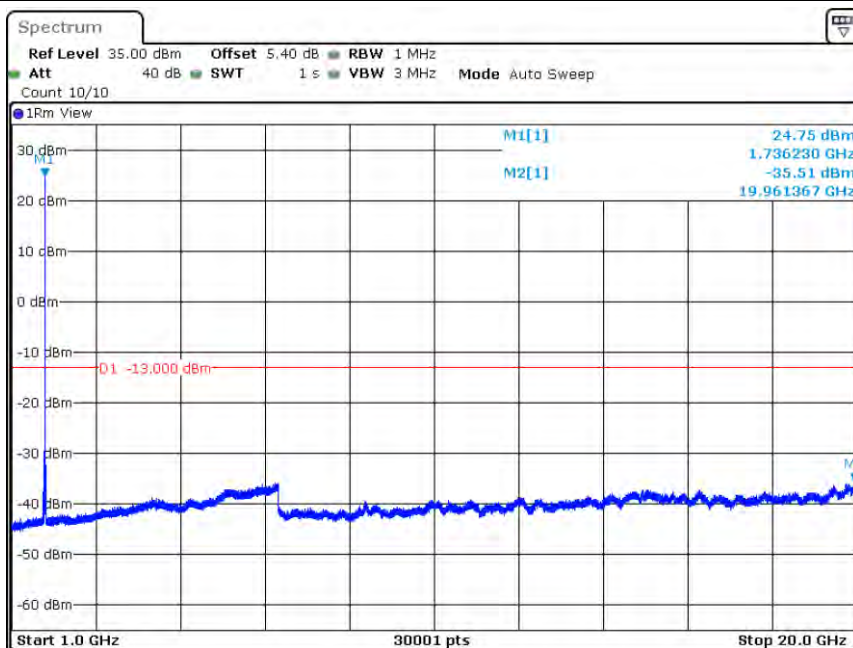
Date: 1.MAY.2021 09:33:21



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

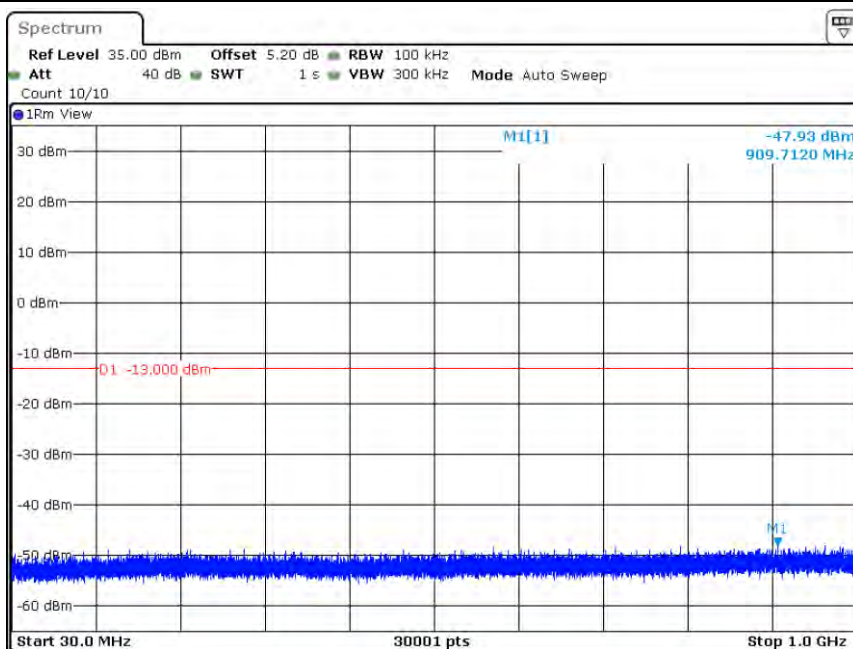
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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#0-Range2:1000~20000MHz



Date: 1.MAY.2021 09:33:37

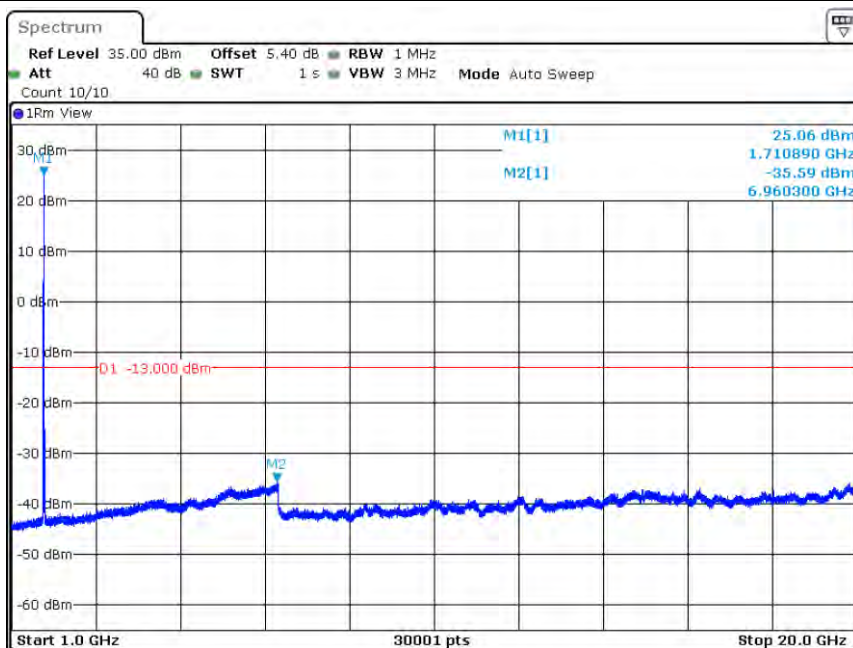
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Date: 1.MAY.2021 00:33:32

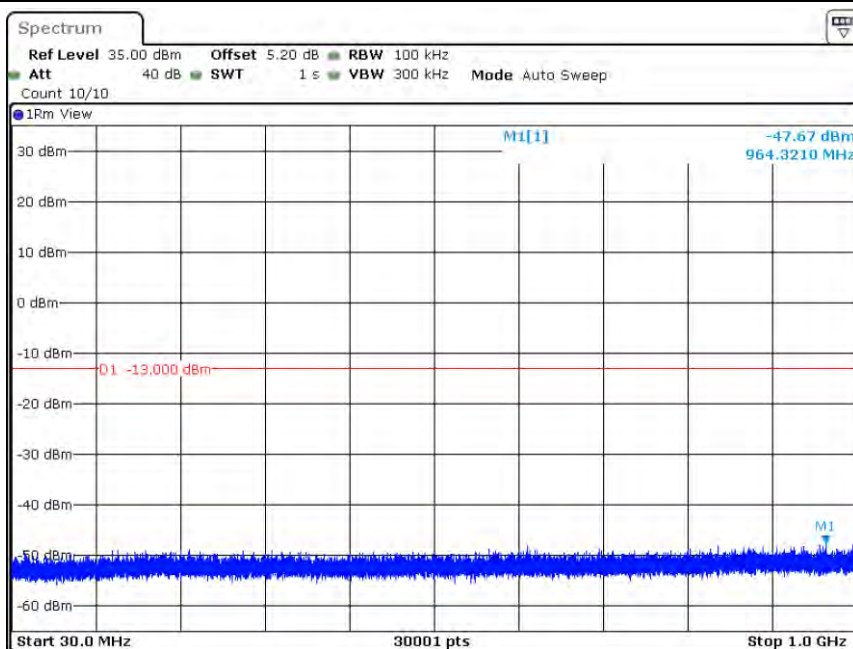


Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 00:33:49

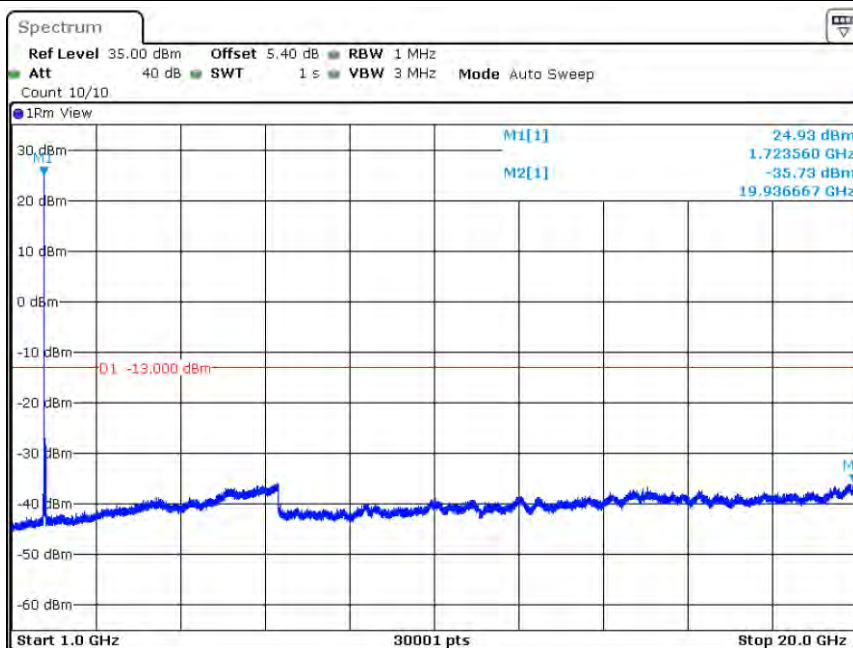
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



Date: 1.MAY.2021 00:34:42

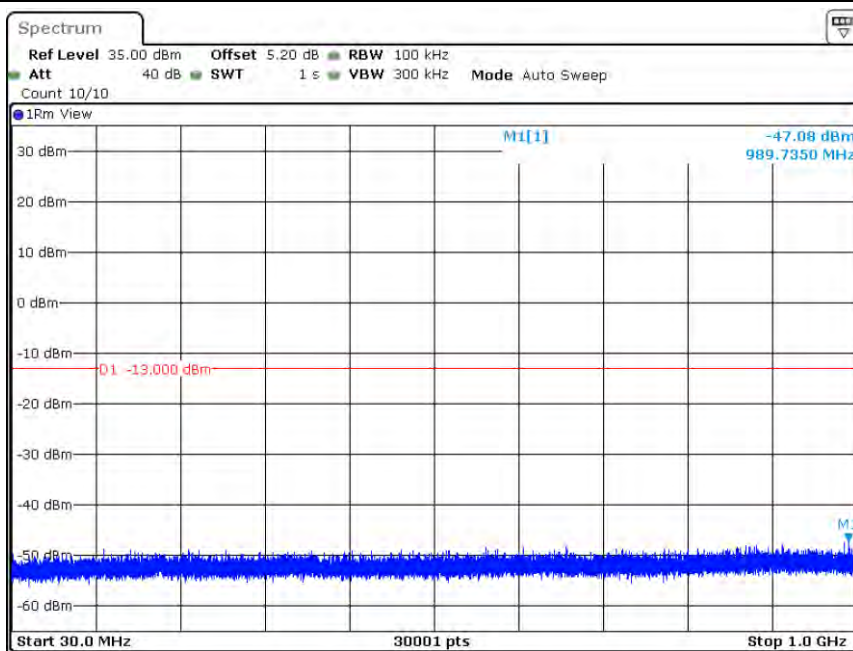


Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 00:34:59

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

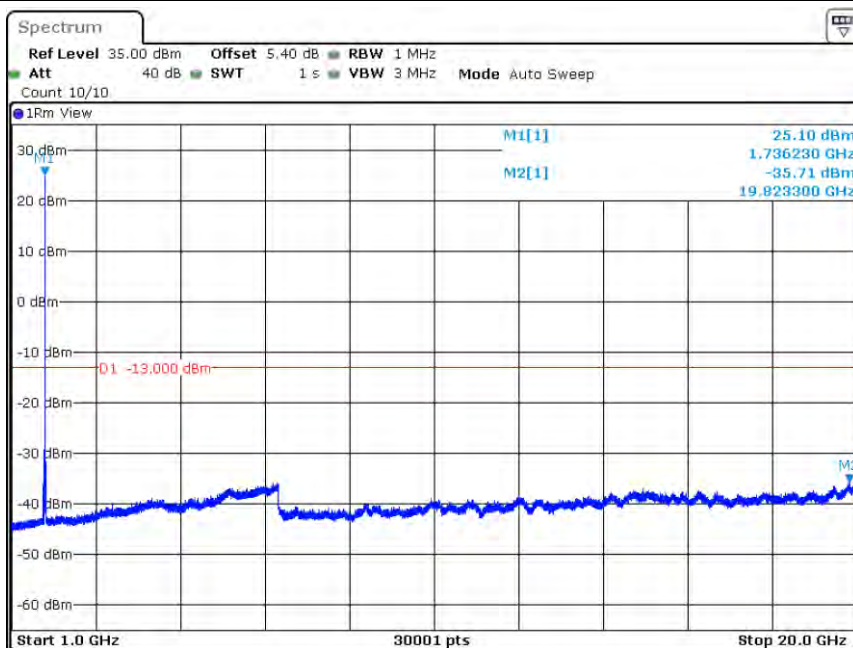


Date: 1.MAY.2021 00:35:52





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



Date: 1.MAY.2021 00:36:09



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. Field Strength of Spurious Radiation

7.1. Test Band = LTE_Band=4 BW=20MHz ANT0

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7262	-71.74	-55.79	-13.00	42.79	Horizontal
2	235.3593	-78.76	-67.17	-13.00	54.17	Horizontal
3	5326.6163	-57.07	-55.86	-13.00	42.86	Horizontal
4	16408.420	-59.43	-43.88	-13.00	30.88	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



7.2. Test Band = LTE Band=4 BW=20MHz ANT0

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.2412	-73.26	-68.07	-13.00	55.07	Vertical
2	107.9434	-79.91	-65.02	-13.00	52.02	Vertical
3	703.4077	-78.47	-61.53	-13.00	48.53	Vertical
4	2832.9917	-66.62	-29.26	-13.00	16.26	Vertical
5	5244.1122	-57.75	-57.79	-13.00	44.79	Vertical
6	17984.999	-58.78	-39.30	-13.00	26.30	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



7.3. Test Band = LTE Band=4 BW=20MHz ANT0

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.2041	-72.79	-57.00	-13.00	44.00	Horizontal
2	247.4364	-79.38	-67.81	-13.00	54.81	Horizontal
3	2647.8824	-66.89	-29.78	-13.00	16.78	Horizontal
4	5305.6153	-57.46	-55.93	-13.00	42.93	Horizontal
5	16412.920	-59.61	-44.24	-13.00	31.24	Horizontal
6	17996.249	-58.49	-43.78	-13.00	30.78	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 Band=4 BW=20MHz ANT0

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7262	-72.83	-67.22	-13.00	54.22	Vertical
2	111.1446	-78.73	-63.51	-13.00	50.51	Vertical
3	604.7052	-78.75	-62.41	-13.00	49.41	Vertical
4	5300.3650	-58.17	-57.10	-13.00	44.10	Vertical
5	14540.077	-62.18	-47.92	-13.00	34.92	Vertical
6	17981.999	-58.43	-38.94	-13.00	25.94	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



7.5. Test Band = LTE Band=4 BW=20MHz ANT0

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6962	-72.37	-56.36	-13.00	43.36	Horizontal
2	226.0468	-79.18	-68.21	-13.00	55.21	Horizontal
3	2531.0766	-66.40	-29.67	-13.00	16.67	Horizontal
4	5268.1134	-57.76	-56.84	-13.00	43.84	Horizontal
5	16399.420	-59.68	-43.80	-13.00	30.80	Horizontal
6	17984.999	-58.64	-43.90	-13.00	30.90	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



7.6. Test Band = LTE Band=4 BW=20MHz ANT0

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6477	-73.84	-67.42	-13.00	54.42	Vertical
2	109.8350	-79.29	-64.01	-13.00	51.01	Vertical
3	2661.9831	-66.80	-30.10	-13.00	17.10	Vertical
4	5304.1152	-58.17	-57.15	-13.00	44.15	Vertical
5	14723.836	-61.65	-48.53	-13.00	35.53	Vertical
6	17806.490	-59.08	-43.13	-13.00	30.13	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_Band=4 BW=20MHz ANT3

7.7.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.8717	-71.71	-55.75	-13.00	42.75	Horizontal
2	237.6389	-78.59	-66.94	-13.00	53.94	Horizontal
3	2708.2854	-66.40	-27.90	-13.00	14.90	Horizontal
4	5292.8646	-57.57	-56.11	-13.00	43.11	Horizontal
5	16400.920	-60.08	-44.22	-13.00	31.22	Horizontal
6	17984.249	-58.21	-43.47	-13.00	30.47	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 Band=4 BW=20MHz ANT3

7.8.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1142	-72.96	-67.01	-13.00	54.01	Vertical
2	111.8236	-78.69	-63.53	-13.00	50.53	Vertical
3	2666.7833	-66.90	-30.16	-13.00	17.16	Vertical
4	5005.6003	-56.86	-58.19	-13.00	45.19	Vertical
5	14684.834	-60.92	-47.28	-13.00	34.28	Vertical
6	17995.499	-58.32	-38.87	-13.00	25.87	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



7.9. Test Band = LTE Band=4 BW=20MHz ANT3

7.9.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2597	-73.02	-57.04	-13.00	44.04	Horizontal
2	653.9837	-78.76	-62.11	-13.00	49.11	Horizontal
3	2695.3848	-66.92	-28.33	-13.00	15.33	Horizontal
4	5312.3656	-57.68	-56.26	-13.00	43.26	Horizontal
5	16400.170	-59.68	-43.79	-13.00	30.79	Horizontal
6	17987.249	-58.26	-43.53	-13.00	30.53	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_Band=4 BW=20MHz ANT3

7.10.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.9687	-73.32	-67.49	-13.00	54.49	Vertical
2	109.7380	-79.68	-64.42	-13.00	51.42	Vertical
3	2726.8863	-66.55	-29.24	-13.00	16.24	Vertical
4	5254.6127	-57.68	-57.49	-13.00	44.49	Vertical
5	14298.564	-62.72	-48.83	-13.00	35.83	Vertical
6	17988.749	-58.43	-38.96	-13.00	25.96	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_Band=4 BW=20MHz ANT3

7.11.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.3753	-73.81	-57.99	-13.00	44.99	Horizontal
2	628.5199	-78.89	-62.37	-13.00	49.37	Horizontal
3	2699.4850	-66.80	-28.09	-13.00	15.09	Horizontal
4	5299.6150	-58.09	-56.49	-13.00	43.49	Horizontal
5	16404.670	-59.83	-44.12	-13.00	31.12	Horizontal
6	17994.749	-58.22	-43.51	-13.00	30.51	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_Band=4 BW=20MHz ANT3

7.12.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.5507	-72.12	-65.78	-13.00	52.78	Vertical
2	110.5625	-79.08	-63.82	-13.00	50.82	Vertical
3	775.6763	-78.44	-60.24	-13.00	47.24	Vertical
4	2698.2849	-66.78	-29.35	-13.00	16.35	Vertical
5	5299.6150	-57.91	-56.84	-13.00	43.84	Vertical
6	17989.499	-58.08	-38.61	-13.00	25.61	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.



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

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

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

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



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	16.30	0.009477	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	18.60	0.010814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	15.70	0.009128	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	14.70	0.008485	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	16.20	0.009351	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	11.80	0.006811	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	16.90	0.009685	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	17.80	0.010201	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	20.60	0.011805	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	8.60	0.005000	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	22.20	0.012907	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	18.50	0.010756	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	22.20	0.012814	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	19.90	0.011486	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	18.30	0.010563	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	17.20	0.009857	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	18.80	0.010774	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	20.70	0.011862	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	14.70	0.008547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	13.00	0.007558	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	17.70	0.010291	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	13.10	0.007561	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	12.50	0.007215	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	15.40	0.008889	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	16.40	0.009398	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	15.60	0.008940	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	14.00	0.008023	±2.5	PASS



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

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



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	11.70	0.006802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	16.30	0.009477	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	13.40	0.007791	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	11.20	0.006512	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	9.30	0.005407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	11.10	0.006453	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	13.10	0.007561	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	15.90	0.009177	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	13.60	0.007850	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	14.90	0.008600	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	18.00	0.010390	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	18.50	0.010678	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	16.00	0.009235	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	17.80	0.010274	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	20.90	0.012063	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	14.70	0.008424	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	12.30	0.007049	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	13.20	0.007564	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	19.10	0.010946	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	16.30	0.009341	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	13.30	0.007622	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	14.30	0.008195	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	13.30	0.007622	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	14.10	0.008080	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	17.20	0.010000	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	15.90	0.009244	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	10.30	0.005988	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	8.70	0.005058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	17.30	0.010058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	12.20	0.007093	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	13.50	0.007849	±2.5	PASS



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

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



Band4	20MHz	64QAM	20050	100RB#0	NV	40	15.70	0.009128	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	22.60	0.013140	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	13.60	0.007850	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	14.20	0.008196	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	17.70	0.010216	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	21.30	0.012294	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	17.90	0.010332	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	13.50	0.007792	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	14.80	0.008543	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	14.20	0.008196	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	15.10	0.008716	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	19.10	0.010946	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	14.10	0.008080	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	15.60	0.008940	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	18.90	0.010831	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	16.00	0.009169	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	16.30	0.009341	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	16.40	0.009398	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	17.40	0.009971	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	16.90	0.009685	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	15.00	0.008721	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	13.20	0.007674	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	16.30	0.009477	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	13.80	0.008023	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	18.10	0.010523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	12.50	0.007267	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	14.70	0.008547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	12.90	0.007500	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	16.70	0.009709	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	14.60	0.008427	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	14.80	0.008543	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	15.00	0.008658	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	14.70	0.008485	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	12.80	0.007388	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	14.20	0.008196	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	13.90	0.008023	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	14.00	0.008081	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	13.40	0.007734	±2.5	PASS



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

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



Band4	20MHz	16QAM	20300	100RB#0	NV	-30	16.20	0.009284	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	17.60	0.010086	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	16.10	0.009226	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	15.10	0.008653	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	15.80	0.009054	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	17.60	0.010086	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	16.00	0.009169	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	12.60	0.007221	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	15.50	0.008883	±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