



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_4 _TM1	99
7.1.1.	Test Channel = Low Channel	99
7.2.	Test Band = LTE_4 _TM1	100
7.2.1.	Test Channel = Low Channel	100
7.3.	Test Band = LTE_4 _TM1	101
7.3.1.	Test Channel = Mid Channel	101
7.4.	Test Band = LTE_4 _TM1	102
7.4.1.	Test Channel = Mid Channel	102
7.5.	Test Band = LTE_4 _TM1	103
7.5.1.	Test Channel = High Channel	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-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



7.6.	Test Band = LTE_4_TM1	104
7.6.1.	Test Channel = High Channel	104

8. FREQUENCY STABILITY105

8.1.	FREQUENCY VS VOLTAGE	105
8.2.	FREQUENCY VS TEMPERATURE	106



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.72	19.92	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.83	20.03	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.81	20.01	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.81	20.01	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.93	20.13	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.80	20.00	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.84	19.04	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.85	20.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.94	20.14	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.87	20.07	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.02	20.22	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.98	20.18	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.91	20.11	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.99	19.19	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.19	20.39	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.27	20.47	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.15	20.35	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.20	20.40	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.33	20.53	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.32	20.52	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.30	19.50	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.74	18.94	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.08	19.28	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.10	19.30	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.93	19.13	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.85	19.05	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.76	18.96	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.92	18.12	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.36	19.56	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.50	19.70	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.99	19.19	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.00	19.20	30.00	PASS



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

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

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



Band4	1.4MHz	16QAM	20175	3RB#1	22.09	19.29	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.02	19.22	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.05	18.25	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.44	19.64	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.56	19.76	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.80	20.00	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.36	19.56	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.43	19.63	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.20	19.40	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.40	18.60	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.69	17.89	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.99	18.19	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.03	18.23	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.83	18.03	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.78	17.98	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.66	17.86	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.86	17.06	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.31	18.51	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.43	18.63	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.91	18.11	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.93	18.13	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	21.04	18.24	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.94	18.14	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.00	17.20	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.34	18.54	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.48	18.68	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.71	18.91	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.27	18.47	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	21.33	18.53	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.10	18.30	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.32	17.52	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.01	20.21	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.94	20.14	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.85	20.05	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.90	19.10	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.00	19.20	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.92	19.12	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.98	19.18	30.00	PASS



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

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



Band4	3MHz	QPSK	20175	1RB#0	23.01	20.21	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.87	20.07	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.98	20.18	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.04	19.24	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.13	19.33	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.10	19.30	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.04	19.24	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.29	20.49	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.32	20.52	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.37	20.57	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.43	19.63	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.39	19.59	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.47	19.67	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.39	19.59	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.02	19.22	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.28	19.48	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.38	19.58	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.16	18.36	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.04	18.24	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.03	18.23	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.95	18.15	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.11	19.31	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.16	19.36	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.53	19.73	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.12	18.32	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.18	18.38	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.07	18.27	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.09	18.29	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.83	20.03	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.46	19.66	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.82	20.02	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.52	18.72	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.49	18.69	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.53	18.73	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.45	18.65	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.95	18.15	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.19	18.39	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.31	18.51	30.00	PASS



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

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



Band4	3MHz	64QAM	19965	8RB#0	20.11	17.31	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	19.97	17.17	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	19.93	17.13	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.85	17.05	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.03	18.23	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.07	18.27	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.45	18.65	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.05	17.25	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.09	17.29	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	19.99	17.19	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.02	17.22	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.75	18.95	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.38	18.58	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.74	18.94	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.42	17.62	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.39	17.59	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.47	17.67	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.38	17.58	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.08	20.28	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.02	20.22	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.06	20.26	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.96	19.16	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.01	19.21	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.05	19.25	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.05	19.25	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.19	20.39	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.02	20.22	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.00	20.20	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.18	19.38	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.16	19.36	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.15	19.35	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.10	19.30	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.29	20.49	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.42	20.62	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.37	20.57	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.42	19.62	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.44	19.64	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.47	19.67	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	5MHz	QPSK	20375	25RB#0	22.47	19.67	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.44	19.64	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.37	19.57	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.09	19.29	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.00	18.20	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.08	18.28	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.08	18.28	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.11	18.31	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.22	19.42	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.30	19.50	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.29	19.49	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.12	18.32	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.18	18.38	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.15	18.35	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.25	18.45	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.88	20.08	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.90	20.10	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.88	20.08	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.43	18.63	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.51	18.71	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.43	18.63	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.43	18.63	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.94	18.14	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.23	18.43	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.28	18.48	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.10	17.30	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.95	17.15	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.96	17.16	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.88	17.08	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.02	18.22	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.09	18.29	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.48	18.68	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.02	17.22	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.10	17.30	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	20.00	17.20	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.01	17.21	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.77	18.97	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.36	18.56	30.00	PASS



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



Band4	5MHz	64QAM	20375	1RB#24	21.72	18.92	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.43	17.63	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.43	17.63	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.45	17.65	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.39	17.59	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.74	19.94	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.01	20.21	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.87	20.07	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.00	19.20	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.93	19.13	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.03	19.23	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.91	19.11	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.02	20.22	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.08	20.28	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.91	20.11	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.07	19.27	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.12	19.32	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.21	19.41	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.11	19.31	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.30	20.50	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.37	20.57	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.36	20.56	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.34	19.54	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.47	19.67	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.43	19.63	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.40	19.60	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.45	19.65	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.73	18.93	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.41	19.61	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.02	18.22	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.96	18.16	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.87	18.07	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.01	18.21	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.18	19.38	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.15	19.35	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.53	19.73	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.13	18.33	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.23	18.43	30.00	PASS



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

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



Band4	10MHz	16QAM	20175	25RB#25	21.24	18.44	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.18	18.38	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.35	19.55	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.30	19.50	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.37	19.57	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.35	18.55	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.39	18.59	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.43	18.63	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.31	18.51	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.95	18.15	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.20	18.40	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.33	18.53	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.07	17.27	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.97	17.17	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.98	17.18	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.90	17.10	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.01	18.21	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.08	18.28	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.48	18.68	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.06	17.26	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.09	17.29	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.99	17.19	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.04	17.24	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.74	18.94	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.36	18.56	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.76	18.96	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.42	17.62	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.42	17.62	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.45	17.65	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.40	17.60	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.94	20.14	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.65	19.85	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.73	19.93	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.86	19.06	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.91	19.11	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.86	19.06	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.81	19.01	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.89	20.09	30.00	PASS



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

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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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#38	22.86	20.06	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.54	20.74	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.96	19.16	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.96	19.16	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.97	19.17	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.97	19.17	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.52	20.72	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.13	20.33	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.10	20.30	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.19	19.39	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.20	19.40	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.17	19.37	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.09	19.29	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.17	19.37	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.18	19.38	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.91	19.11	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.88	18.08	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.92	18.12	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.78	17.98	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.87	18.07	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.09	19.29	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.33	19.53	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.02	19.22	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.98	18.18	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.10	18.30	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.97	18.17	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.01	18.21	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.32	19.52	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.71	19.91	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.46	19.66	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.12	18.32	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.16	18.36	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.20	18.40	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.11	18.31	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.97	18.17	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.19	18.39	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.32	18.52	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#0	20.11	17.31	30.00	PASS



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

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



Band4	15MHz	64QAM	20025	38RB#18	19.98	17.18	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	19.94	17.14	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.85	17.05	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.01	18.21	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.06	18.26	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.46	18.66	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	20.05	17.25	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	20.11	17.31	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	20.02	17.22	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.99	17.19	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.75	18.95	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.40	18.60	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.76	18.96	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	20.47	17.67	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	20.41	17.61	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	20.46	17.66	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.37	17.57	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.06	20.26	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.78	19.98	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.88	20.08	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.88	19.08	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.88	19.08	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.85	19.05	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.91	19.11	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.04	20.24	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.74	19.94	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.16	20.36	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.94	19.14	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.99	19.19	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.05	19.25	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.03	19.23	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.09	20.29	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.98	20.18	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.19	20.39	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.12	19.32	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.13	19.33	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.12	19.32	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.10	19.30	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	20MHz	16QAM	20050	1RB#0	21.99	19.19	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.03	19.23	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.26	19.46	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.92	18.12	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.93	18.13	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.76	17.96	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.92	18.12	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.09	19.29	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.08	19.28	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.16	19.36	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.92	18.12	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.00	18.20	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.95	18.15	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.02	18.22	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.22	19.42	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.28	19.48	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.10	19.30	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.07	18.27	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.02	18.22	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.15	18.35	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.00	18.20	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.93	18.13	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.19	18.39	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.28	18.48	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.08	17.28	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.99	17.19	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.95	17.15	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.86	17.06	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.05	18.25	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.11	18.31	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.44	18.64	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.03	17.23	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.13	17.33	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.01	17.21	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.04	17.24	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.74	18.94	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.39	18.59	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.75	18.95	30.00	PASS



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

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



Band4	20MHz	64QAM	20300	50RB#0	20.43	17.63	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.44	17.64	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.43	17.63	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.37	17.57	30.00	PASS

Remark:

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

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

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



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

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

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

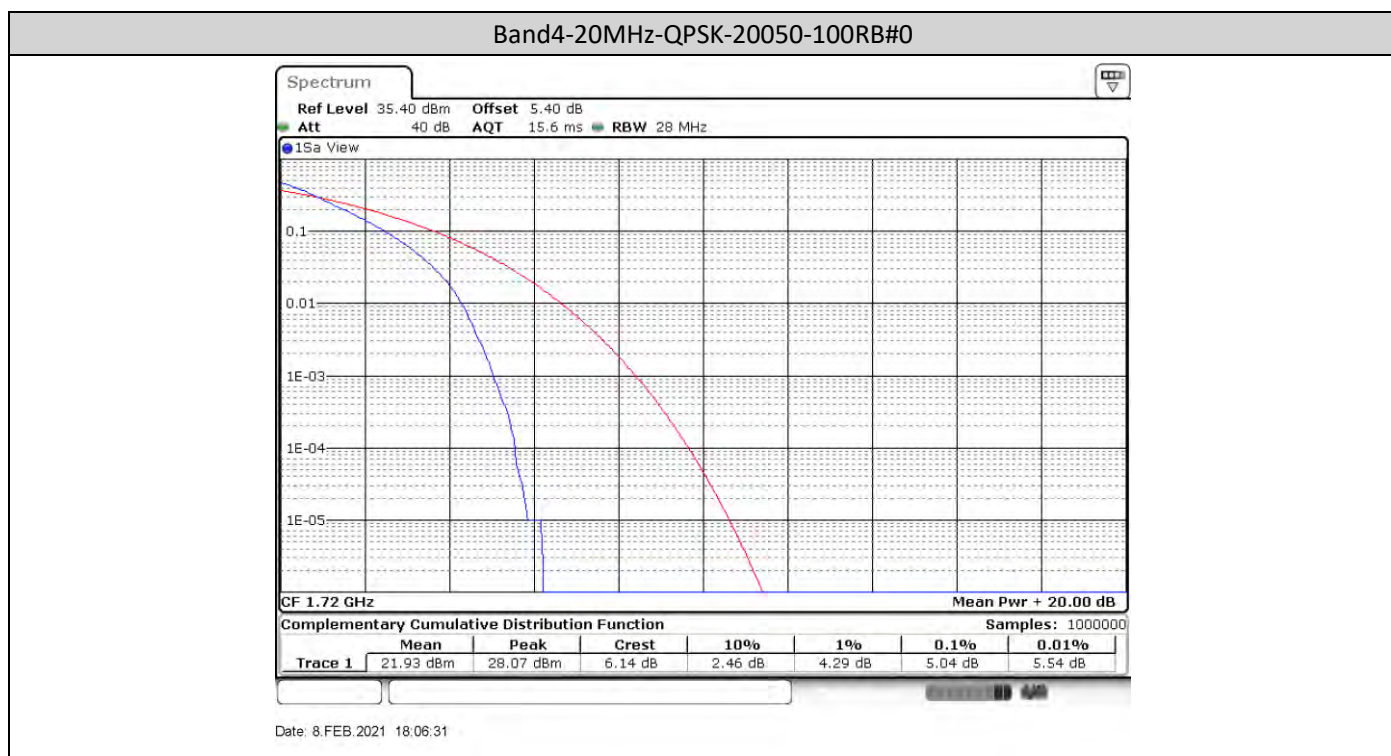


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

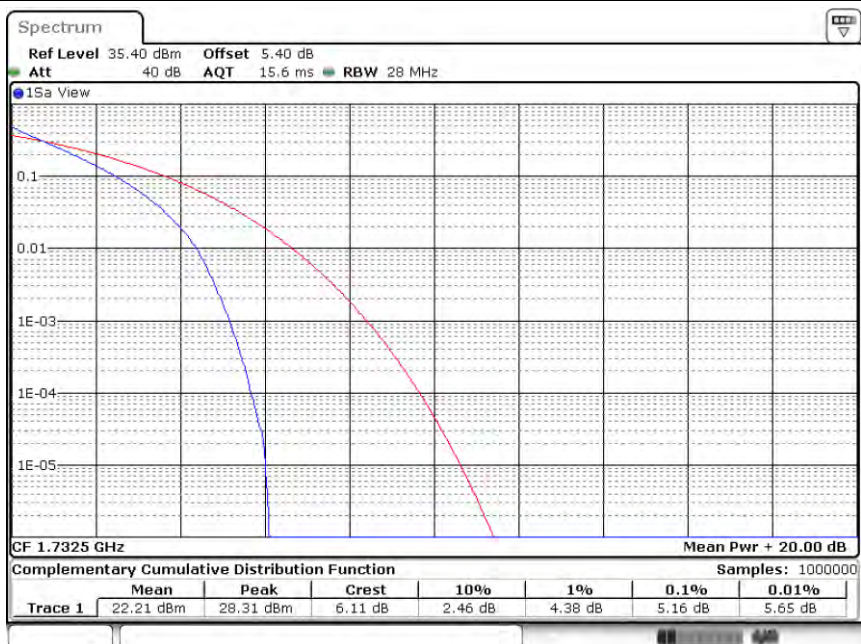
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.04	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.16	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.96	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.41	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.61	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.43	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.83	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.77	13	PASS

2.2. Test Plots



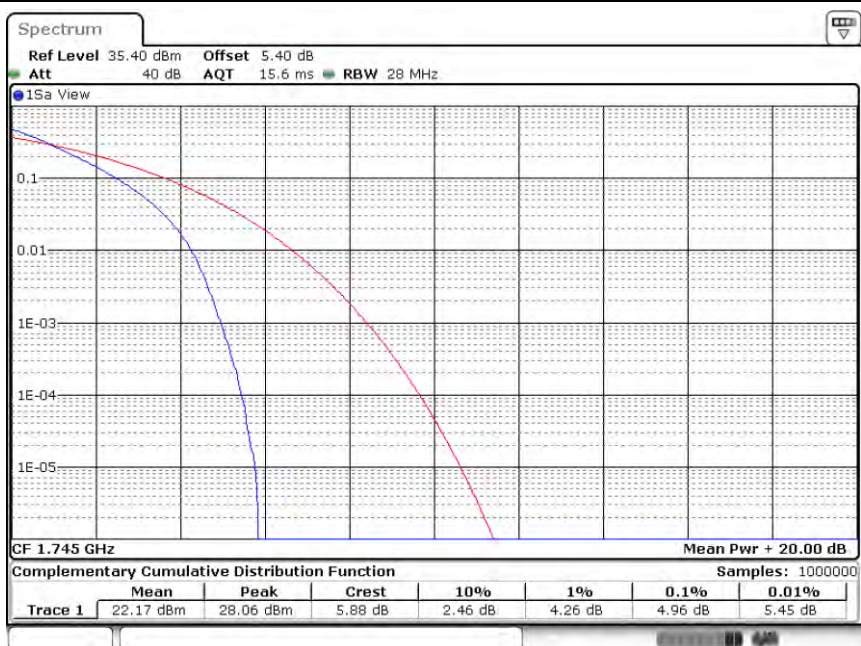


Band4-20MHz-QPSK-20175-100RB#0



Date: 8.FEB.2021 18:06:54

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



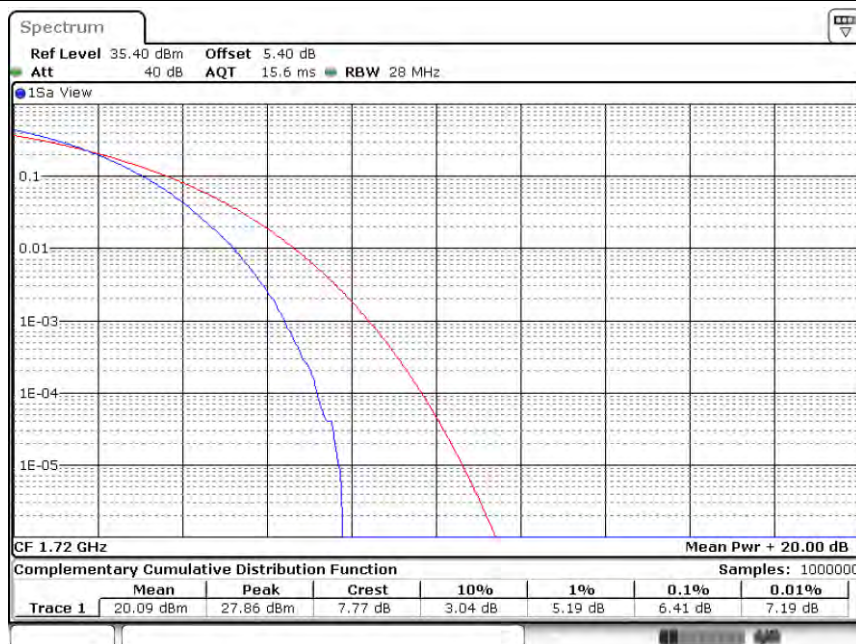
Date: 8.FEB.2021 18:07:16



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-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.

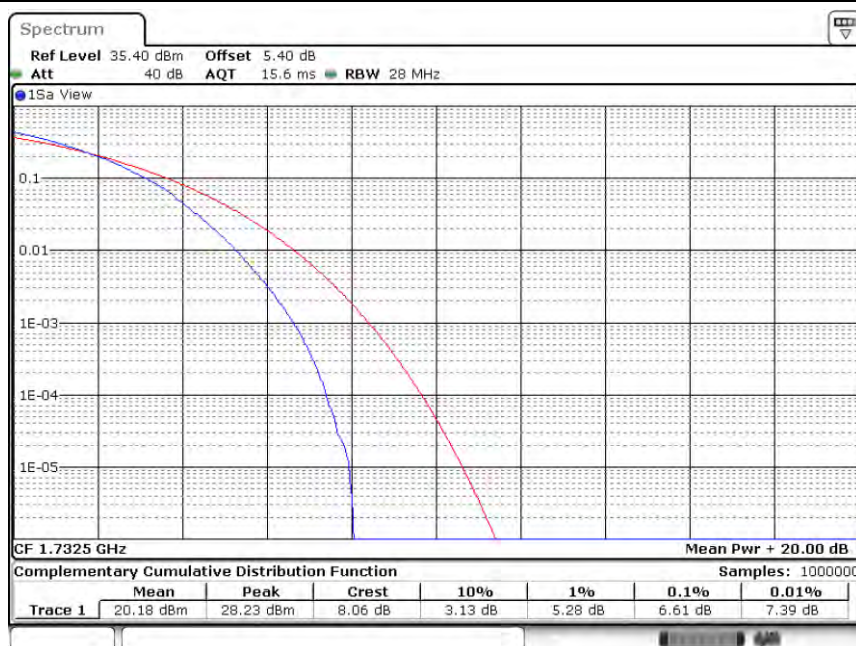
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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: 8.FEB.2021 20:40:42

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



Date: 8.FEB.2021 20:40:54



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.

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

Member of the SGS Group (SGS SA)

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



Date: 8.FEB.2021 20:41:05

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



Date: 8.FEB.2021 18:06:42



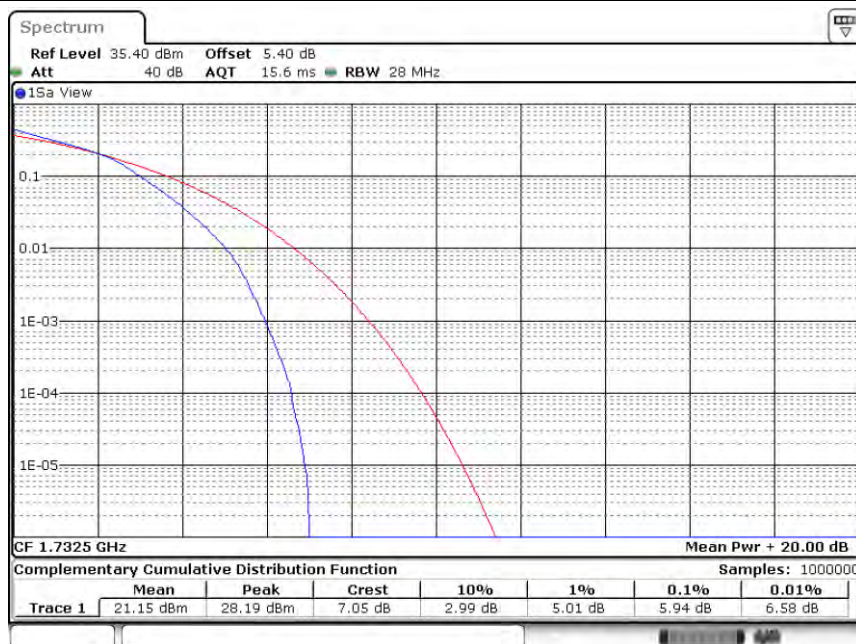
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 8.FEB.2021 18:07:05

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



Date: 8.FEB.2021 18:07:27



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

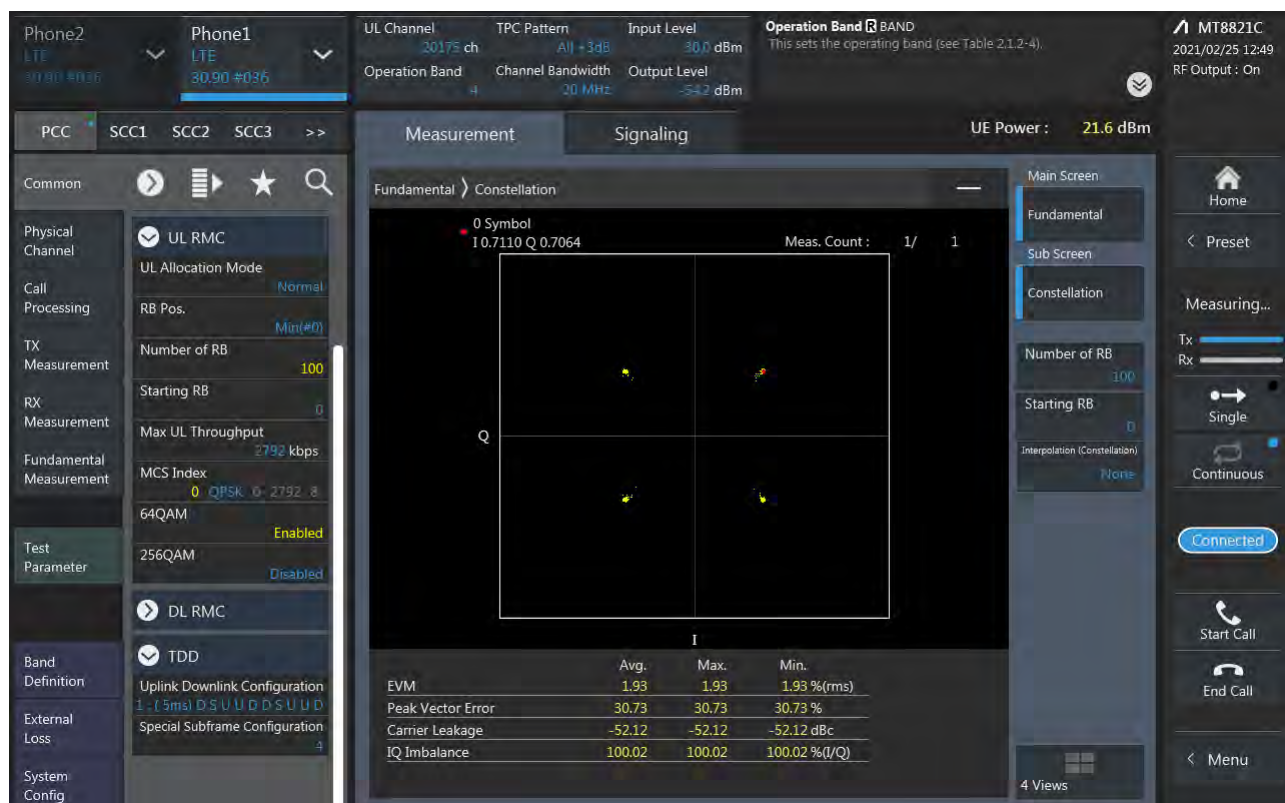
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



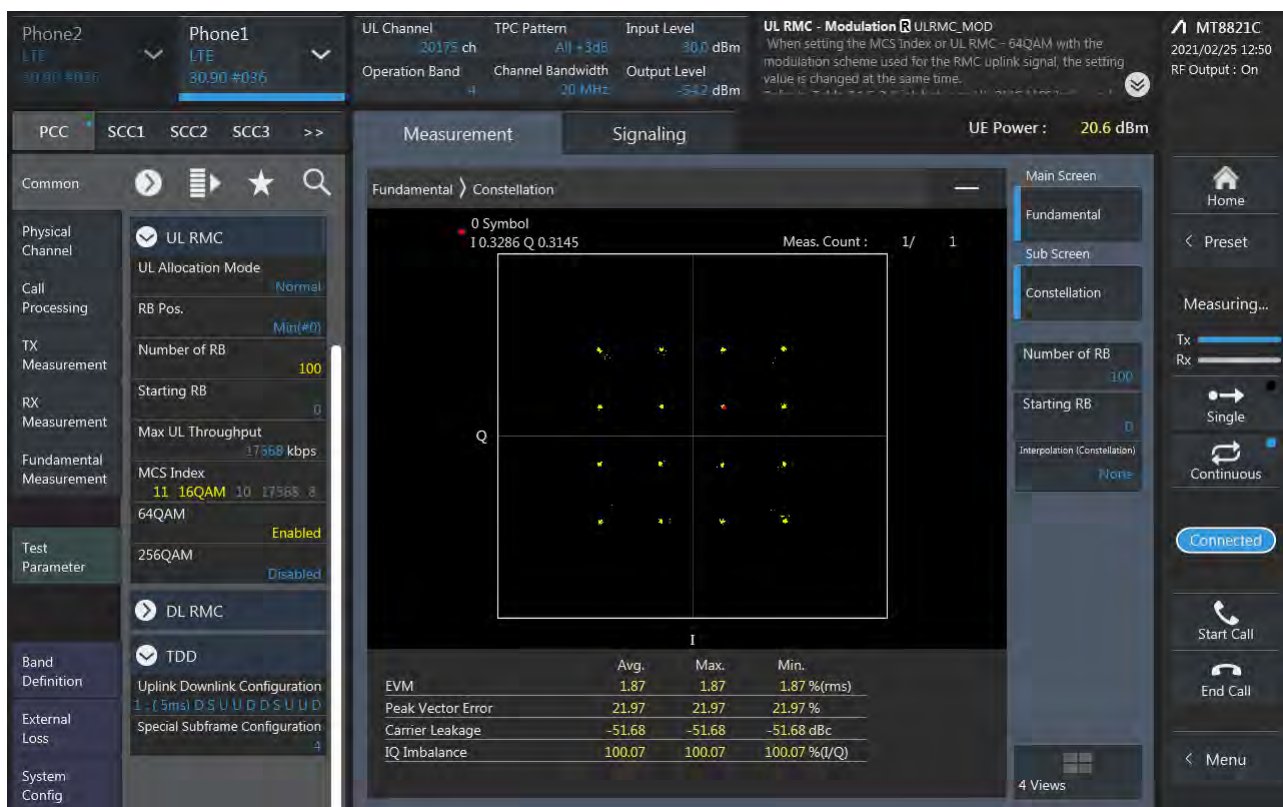
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



3.2. Test Mode = LTE /TM2 20MHz

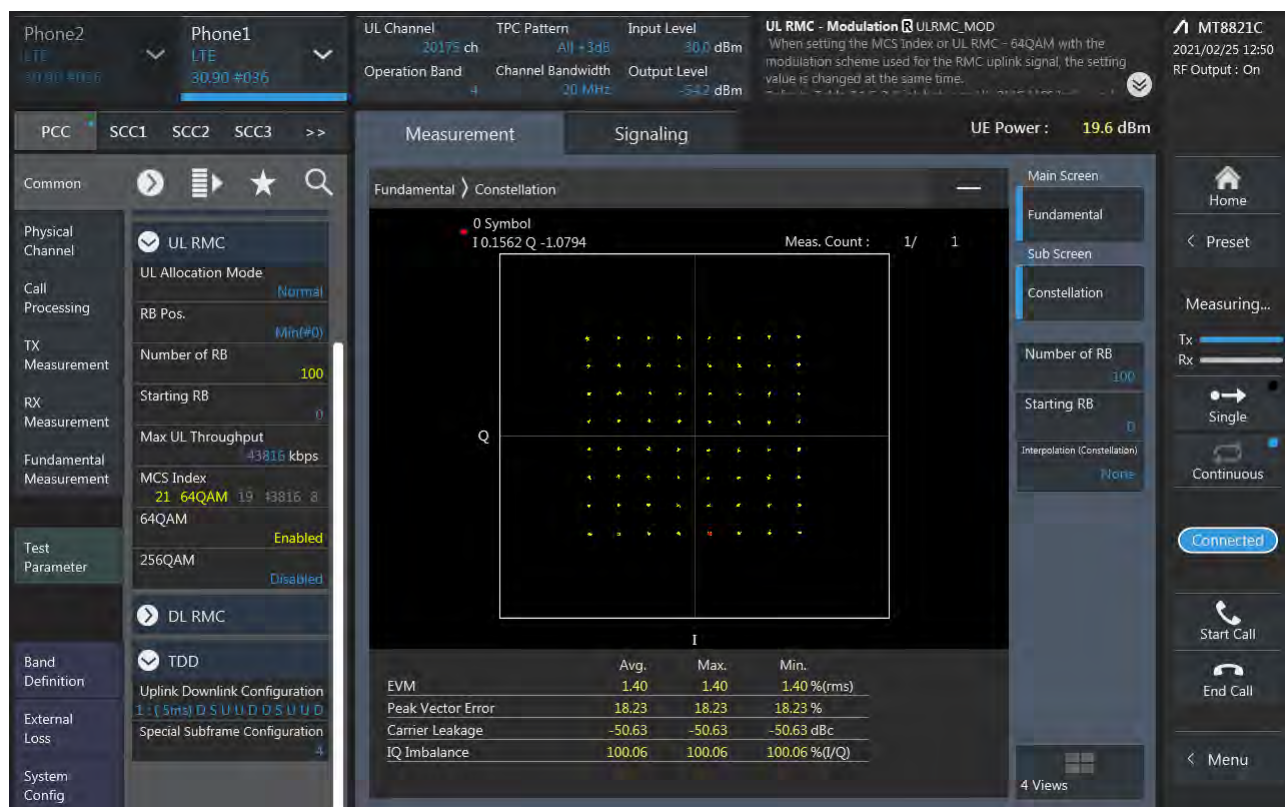
3.2.1. Test Channel = MCH





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	1.097	1.239	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.088	1.239	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.233	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.091	1.227	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.085	1.245	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.239	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.088	1.236	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.082	1.227	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.085	1.236	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	3.018	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.012	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	3.006	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.994	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.994	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	3.000	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.976	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.988	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.880	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.900	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.880	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.890	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.880	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.910	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.910	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.930	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.680	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.951	9.740	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.640	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.640	PASS



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

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



Band4	10MHz	64QAM	20175	50RB#0	8.951	9.720	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.640	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.951	9.740	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.700	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.516	14.760	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.730	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.610	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.516	14.730	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.820	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.427	14.670	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.760	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	17.942	19.520	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.902	19.400	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.942	19.520	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.440	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.942	19.520	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.

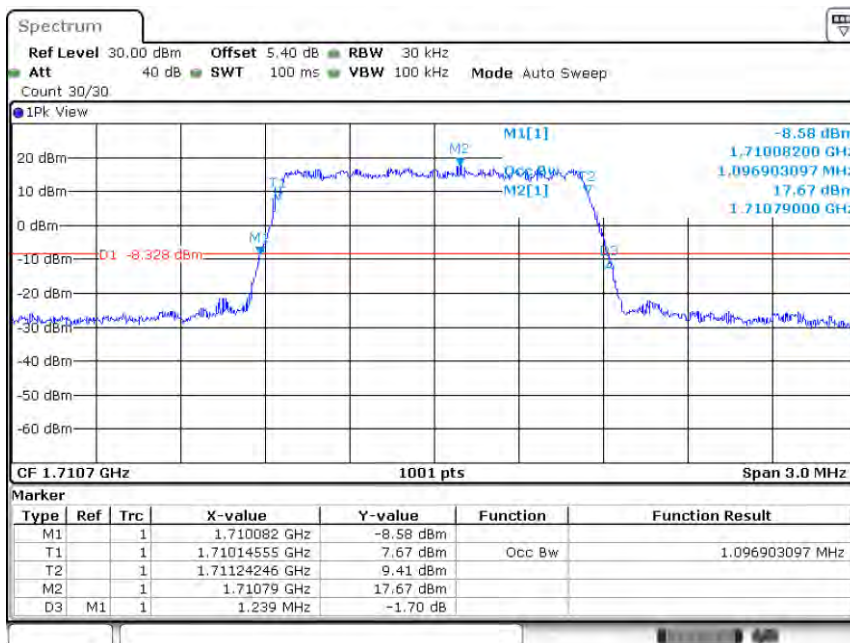
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



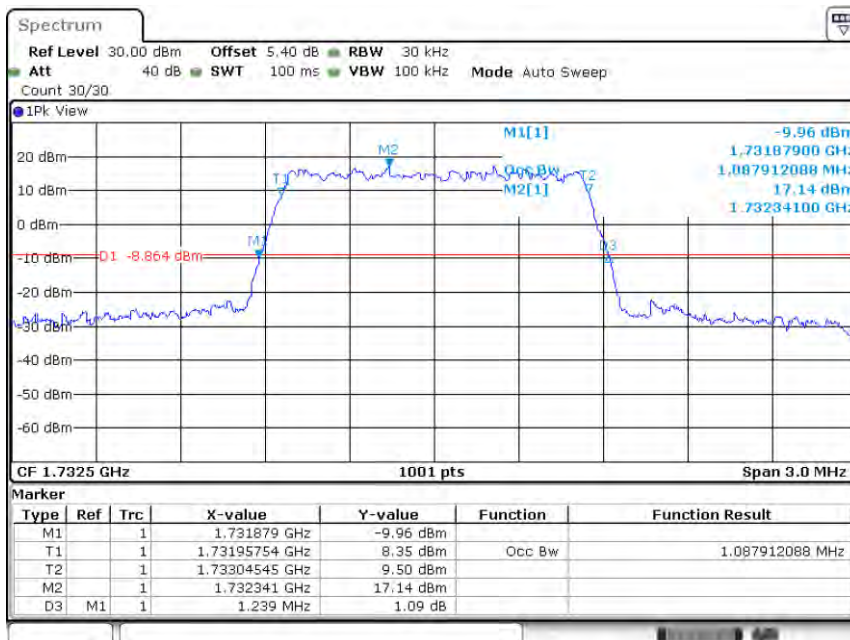
4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.097



Date: 8.FEB.2021 17:35:14

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



Date: 8.FEB.2021 17:35:40



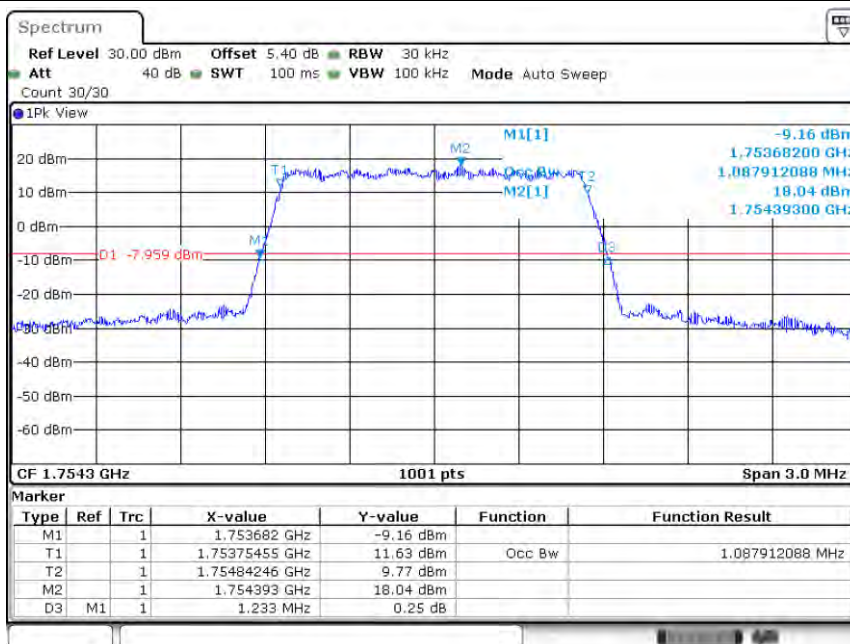
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

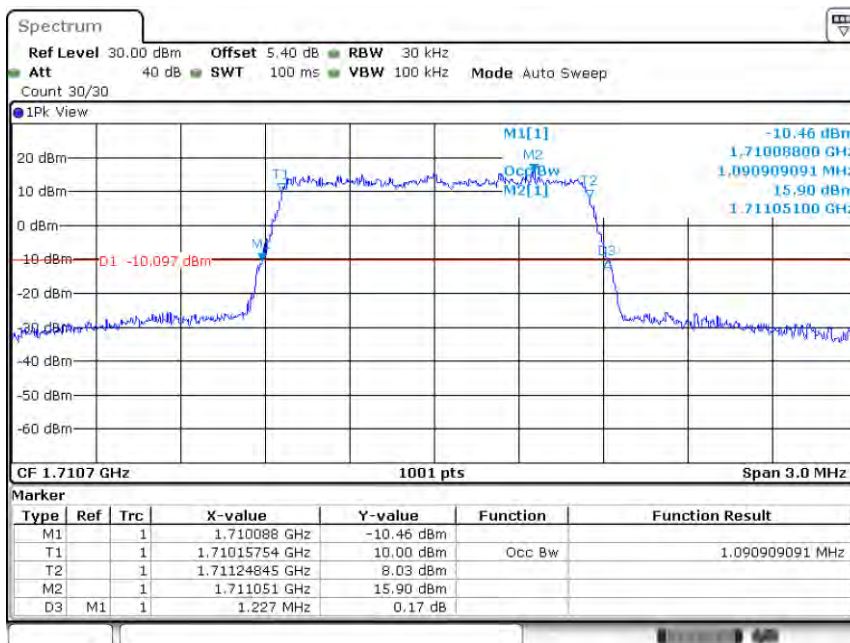


Band4-1.4MHz-QPSK-20393-6RB#0-1.088



Date: 8.FEB.2021 17:36:05

Band4-1.4MHz-64QAM-19957-6RB#0-1.091



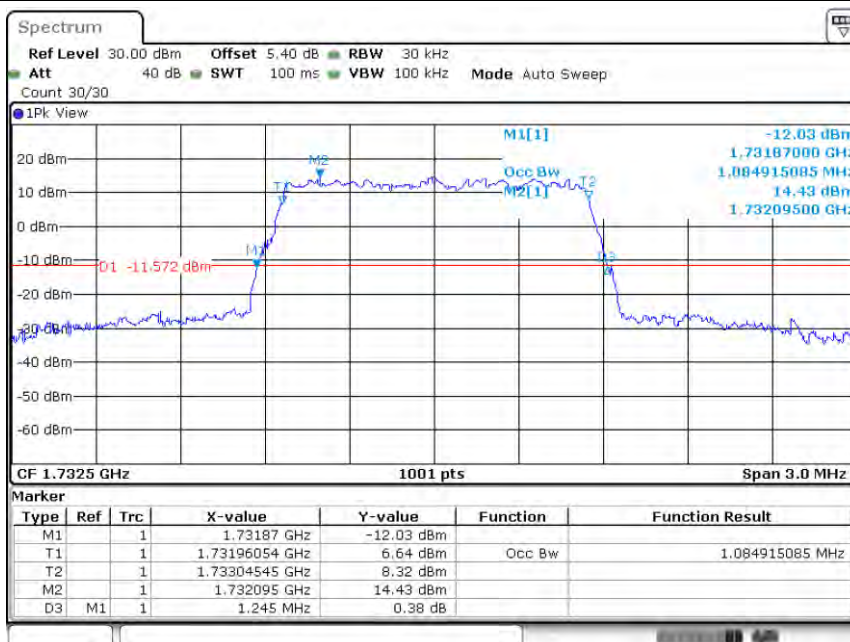
Date: 8.FEB.2021 20:23:53



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

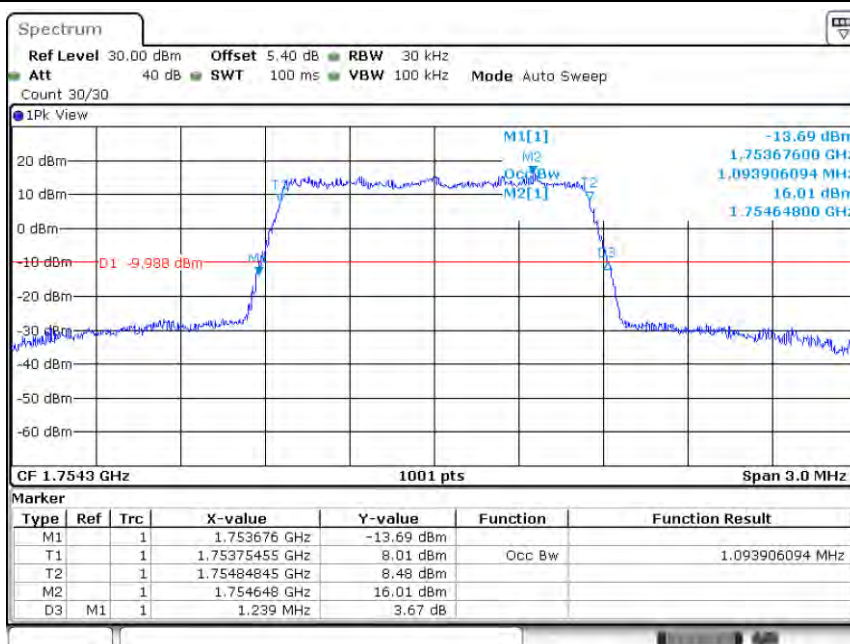
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8.FEB.2021 20:24:06

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



Date: 8.FEB.2021 20:24:19

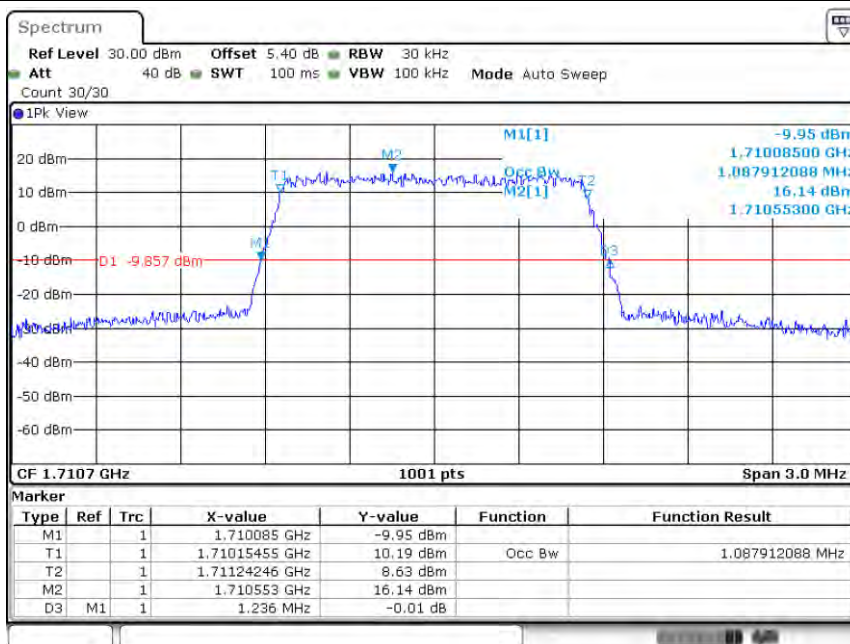


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

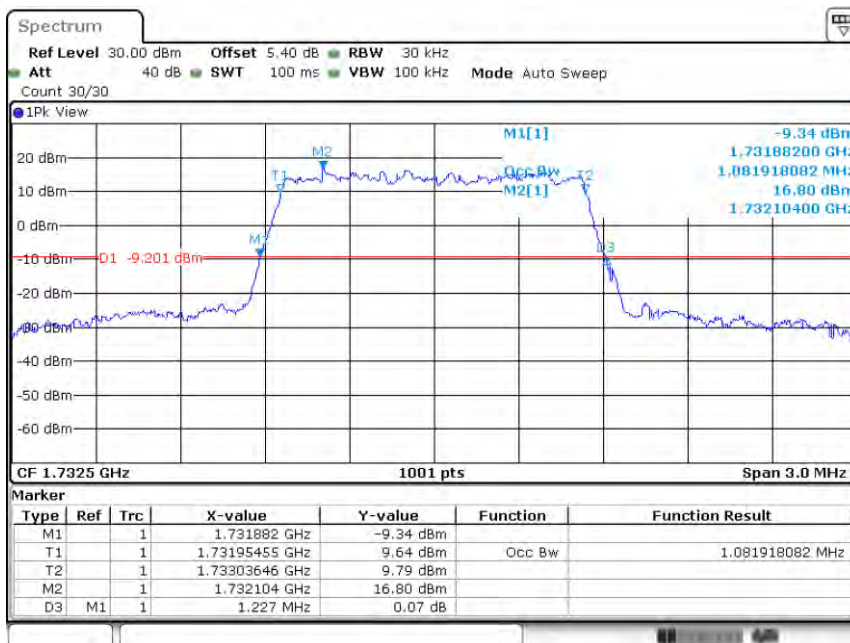


Band4-1.4MHz-16QAM-19957-6RB#0-1.088



Date: 8.FEB.2021 17:35:27

Band4-1.4MHz-16QAM-20175-6RB#0-1.082

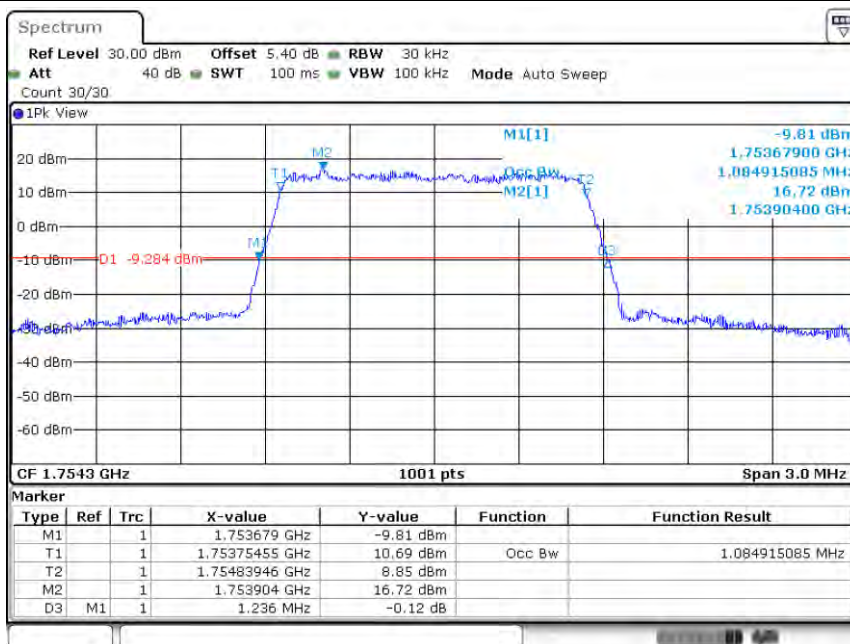


Date: 8.FEB.2021 17:35:52



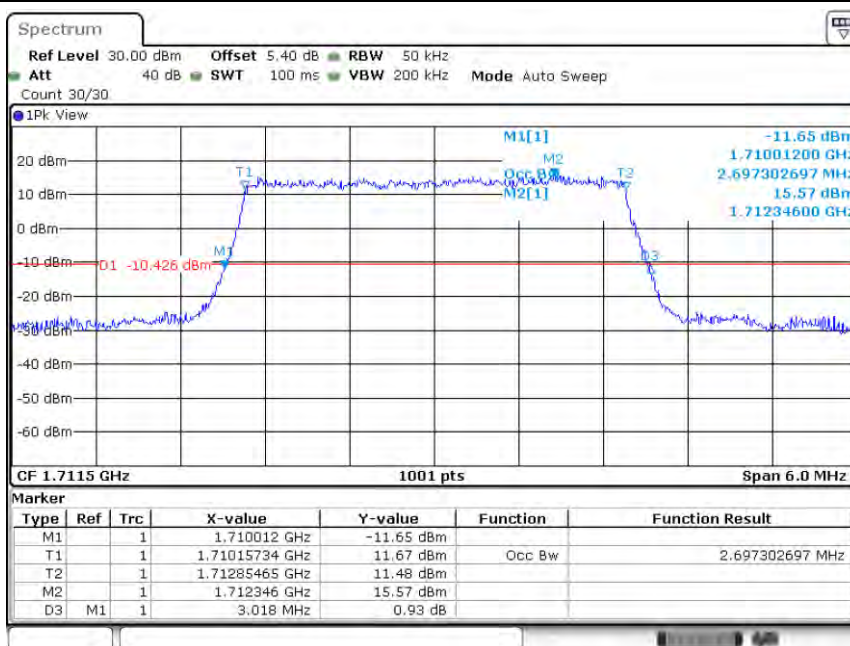


Band4-1.4MHz-16QAM-20393-6RB#0-1.085



Date: 8.FEB.2021 17:36:18

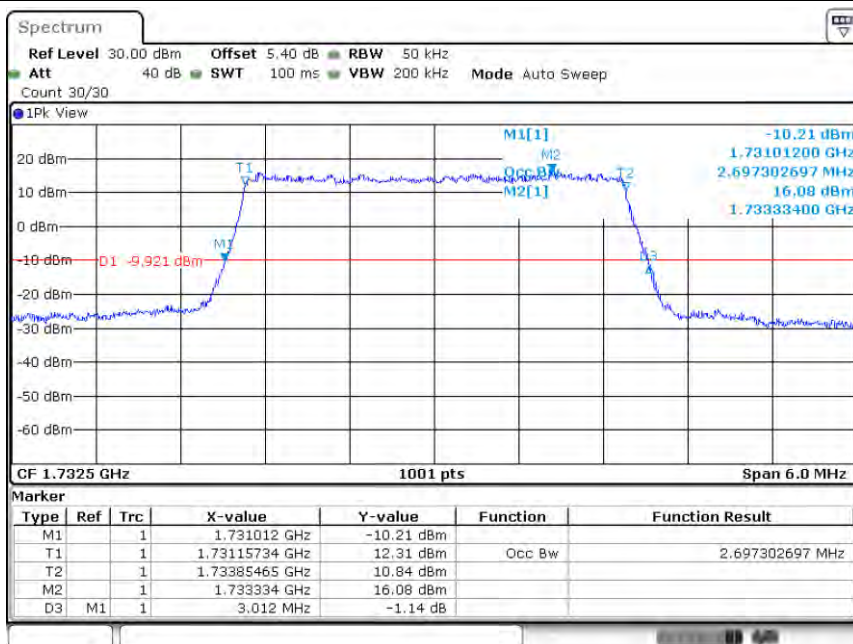
Band4-3MHz-QPSK-19965-15RB#0-2.697



Date: 8.FEB.2021 17:36:37

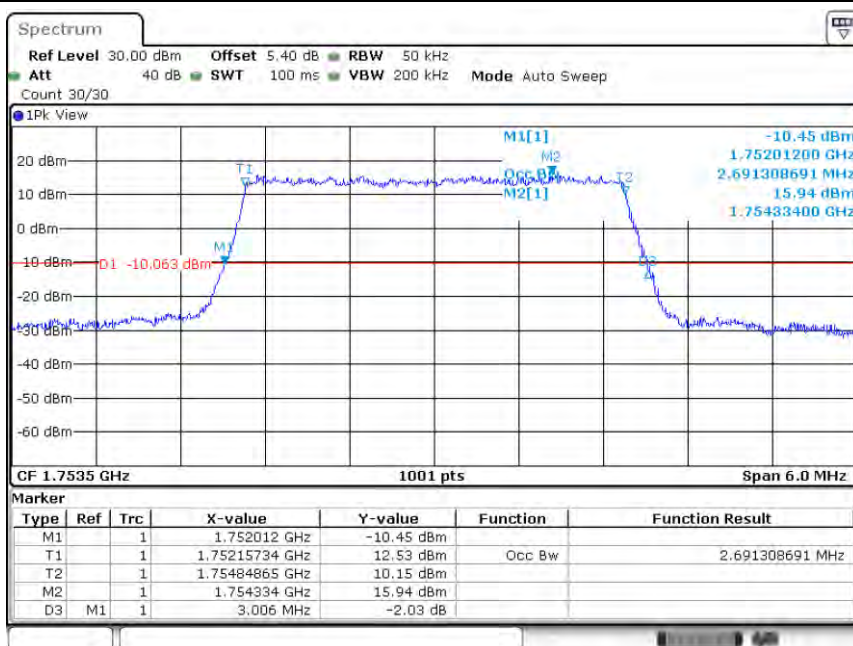


Band4-3MHz-QPSK-20175-15RB#0-2.697



Date: 8.FEB.2021 17:37:02

Band4-3MHz-QPSK-20385-15RB#0-2.691

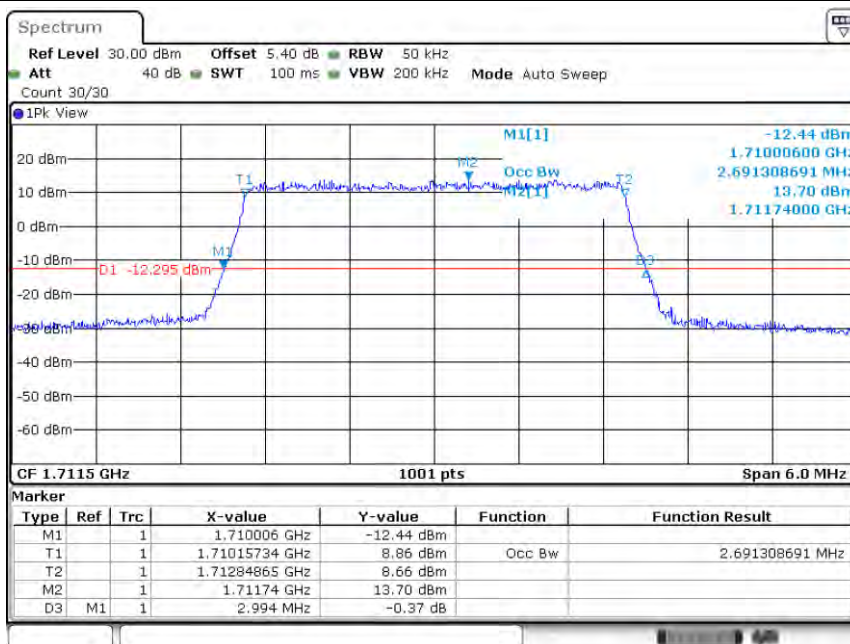


Date: 8.FEB.2021 17:37:28



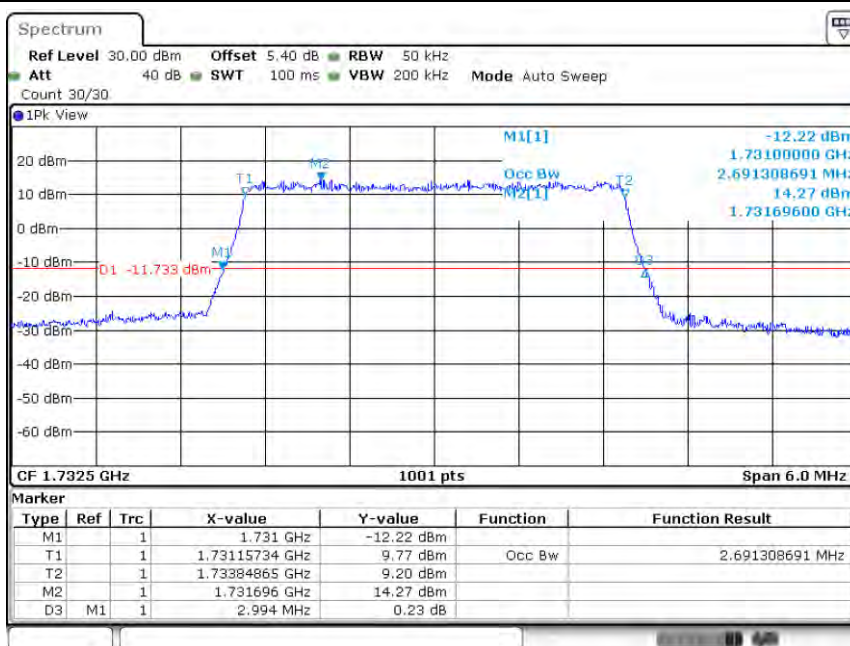


Band4-3MHz-64QAM-19965-15RB#0-2.691



Date: 8.FEB.2021 20:24:39

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



Date: 8.FEB.2021 20:24:52



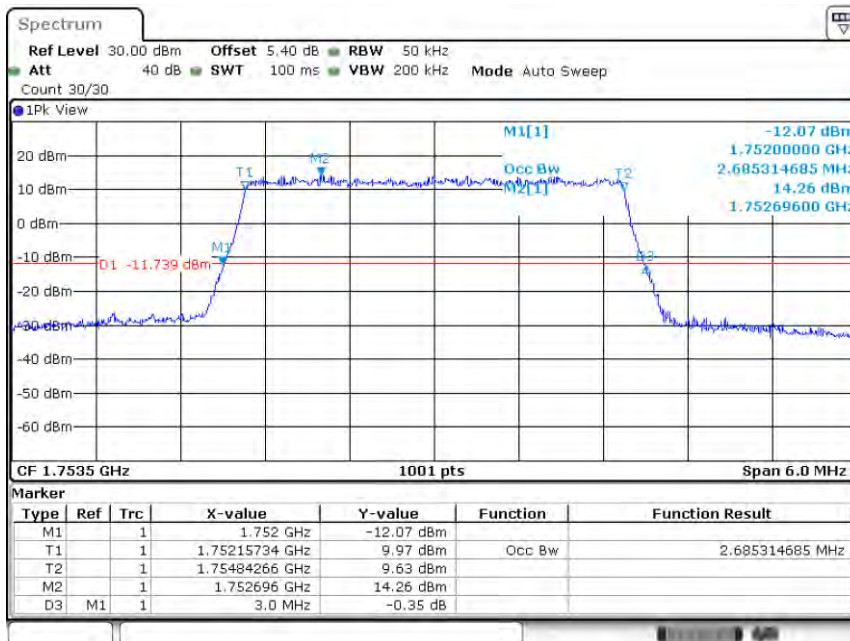
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

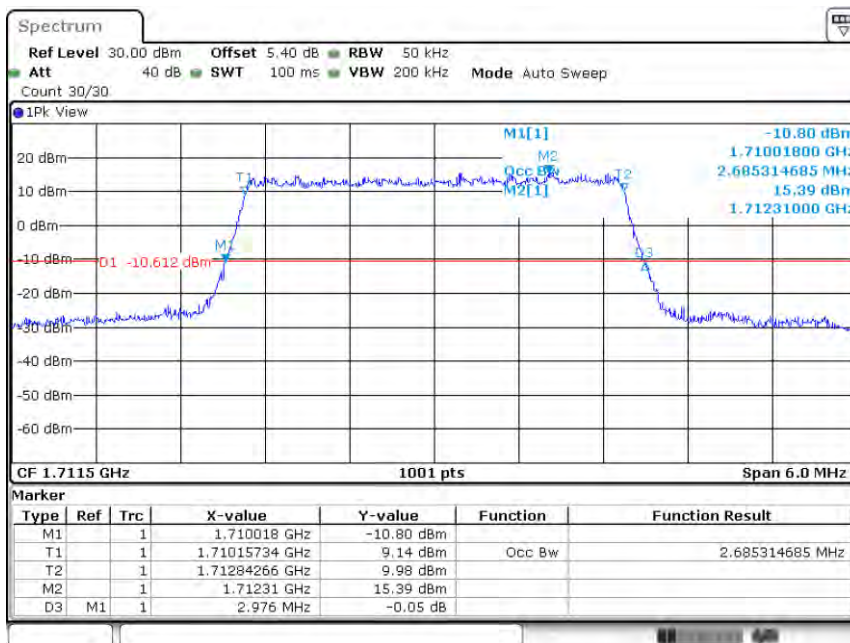


Band4-3MHz-64QAM-20385-15RB#0-2.685



Date: 8.FEB.2021 20:25:05

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



Date: 8.FEB.2021 17:36:49

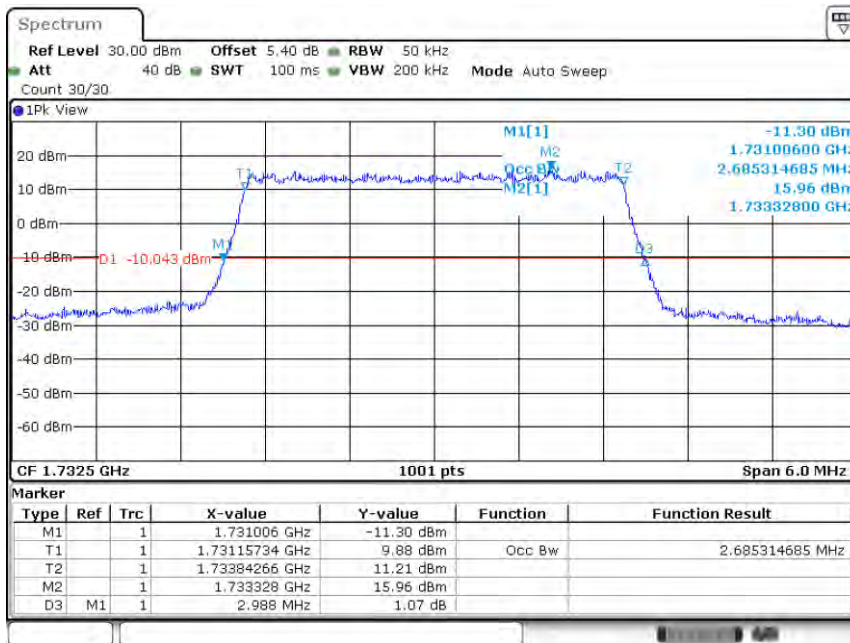


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

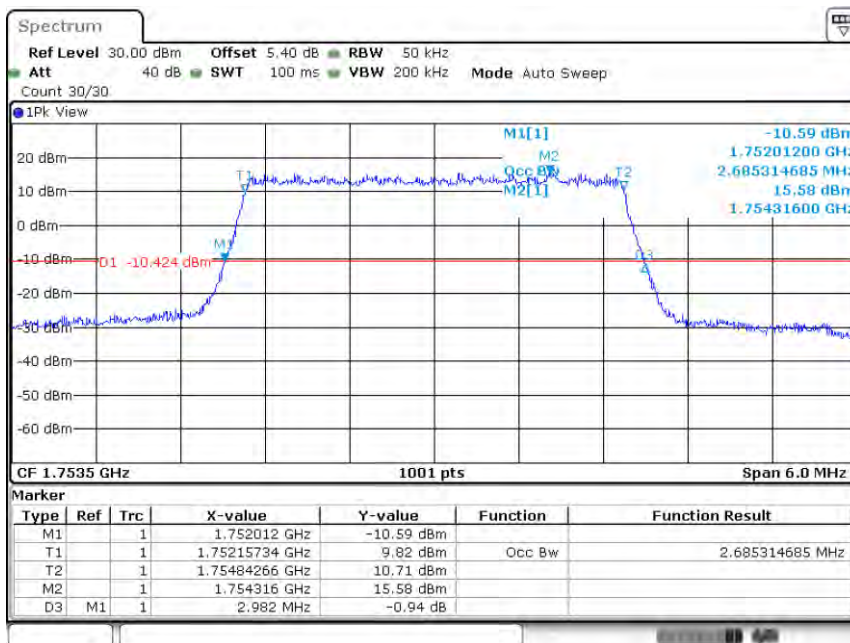


Band4-3MHz-16QAM-20175-15RB#0-2.685



Date: 8.FEB.2021 17:37:15

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



Date: 8.FEB.2021 17:37:40

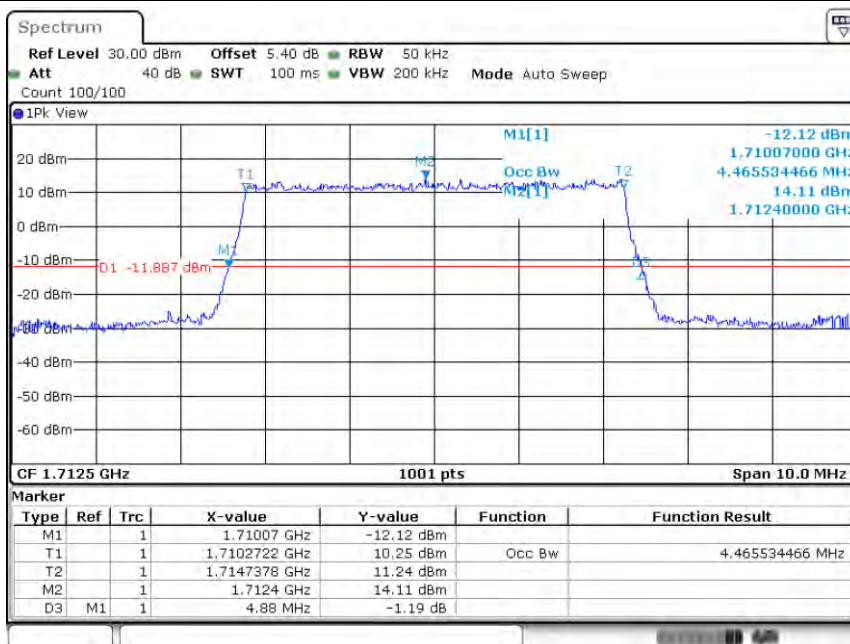


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

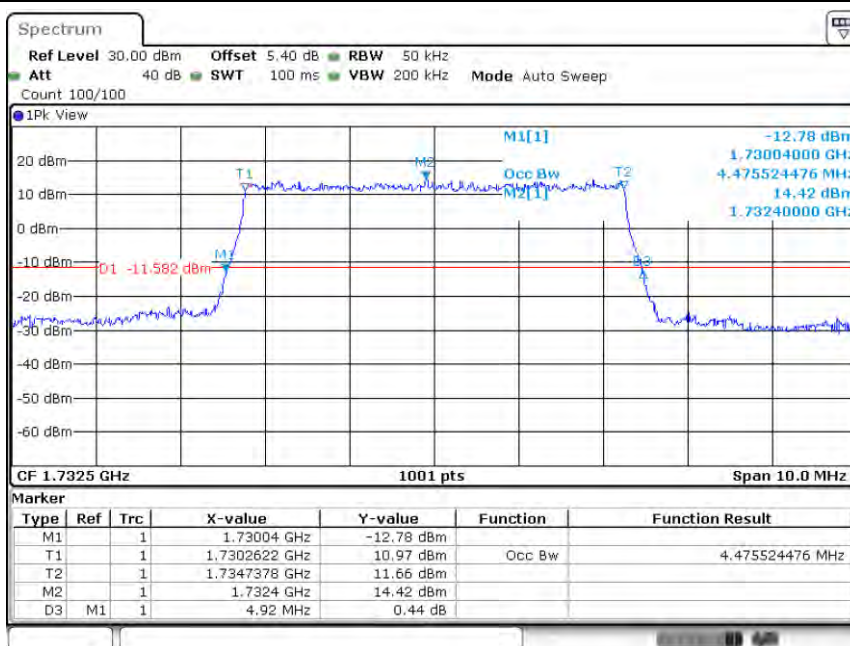


Band4-5MHz-QPSK-19975-25RB#0-4.466



Date: 8.FEB.2021 17:38:06

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



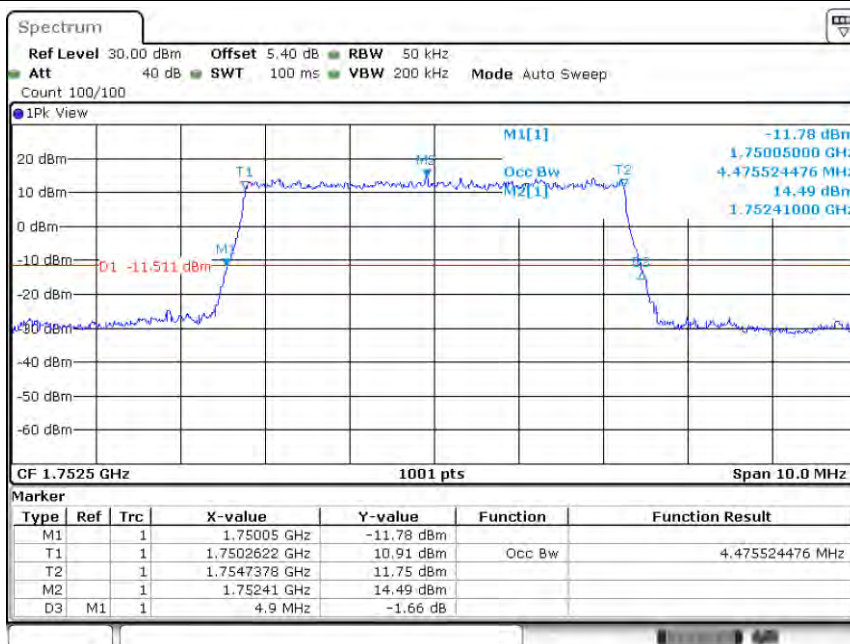
Date: 8.FEB.2021 17:38:45



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

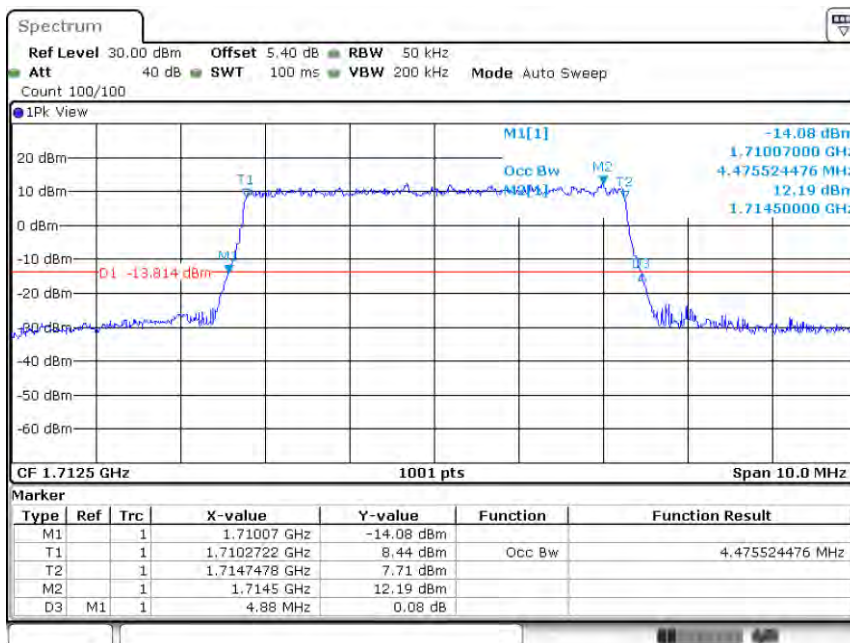
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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-QPSK-20375-25RB#0-4.476



Date: 8.FEB.2021 17:39:25

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



Date: 8.FEB.2021 20:25:31



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

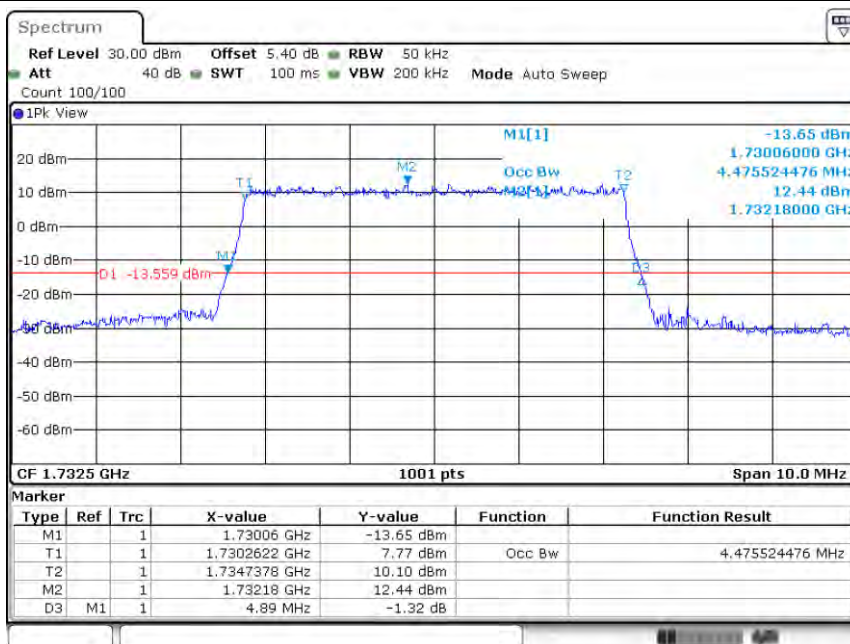
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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)

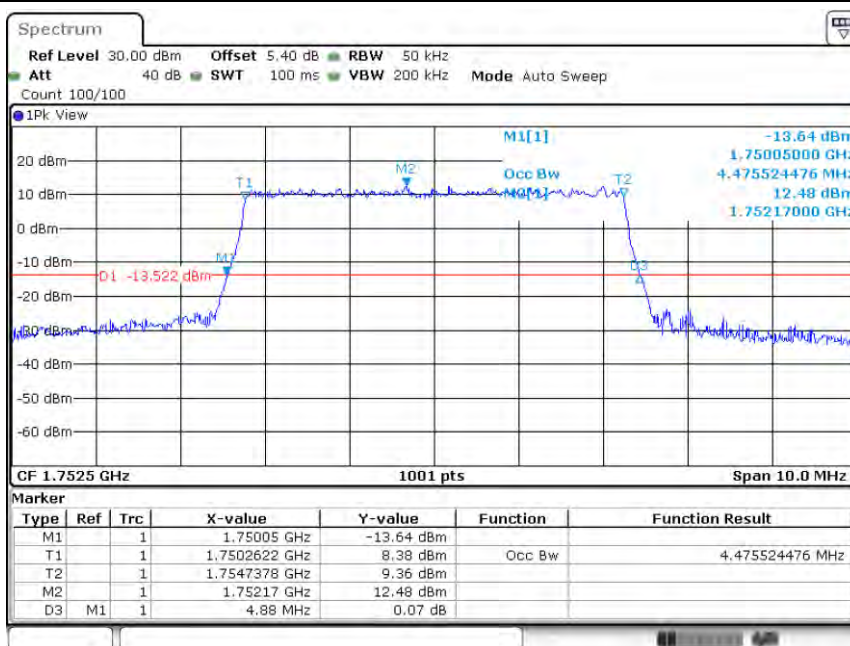


Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 8.FEB.2021 20:25:51

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



Date: 8.FEB.2021 20:26:11

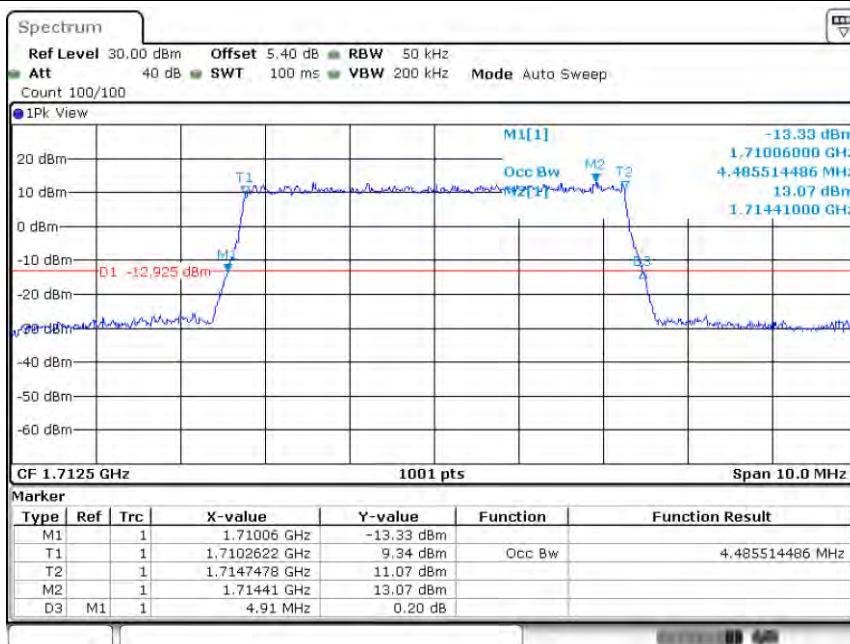


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

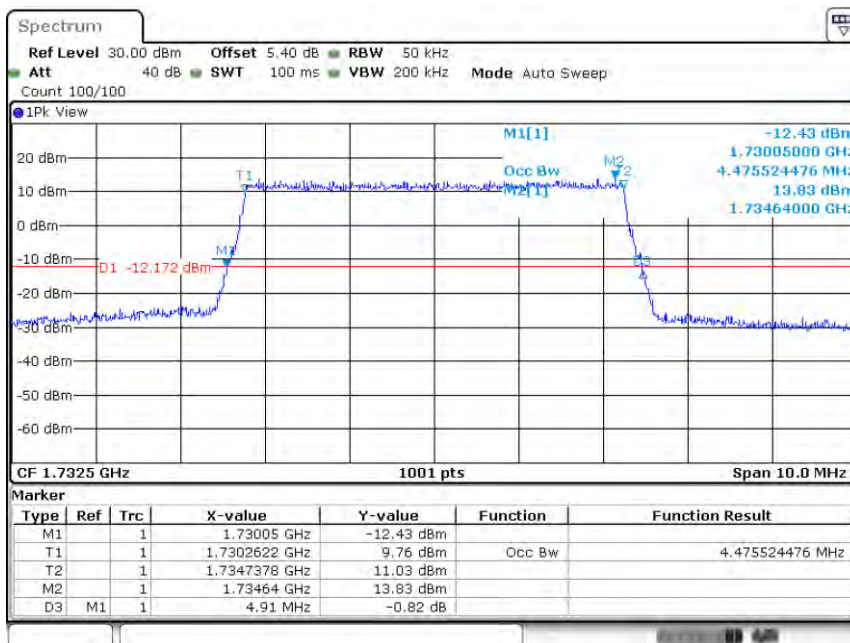


Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 8.FEB.2021 17:38:25

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



Date: 8.FEB.2021 17:39:05



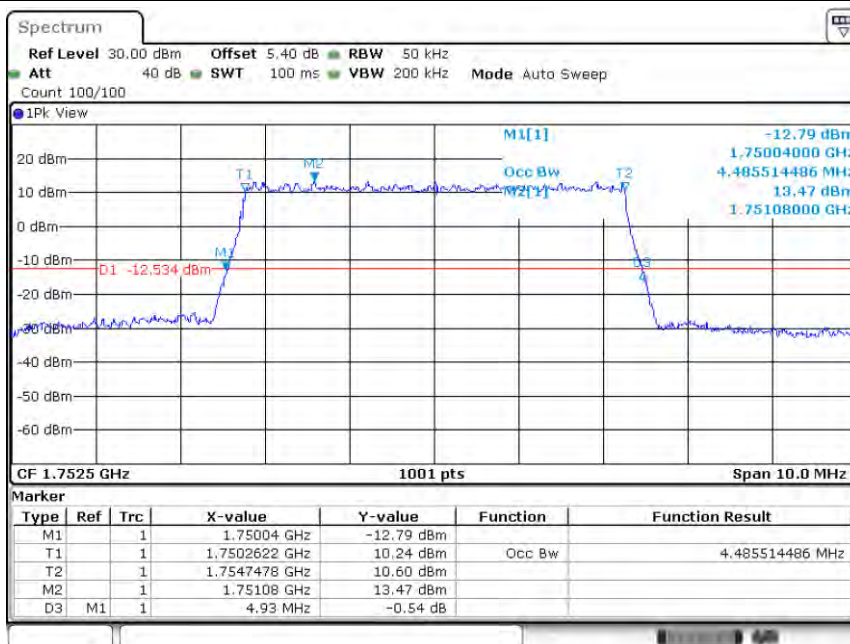
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

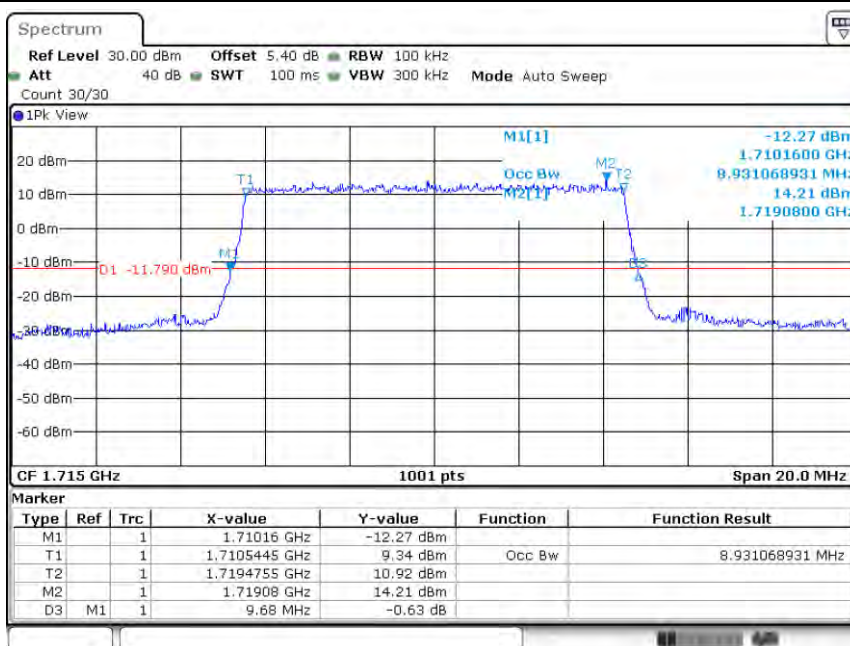


Band4-5MHz-16QAM-20375-25RB#0-4.486



Date: 8.FEB.2021 17:39:45

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



Date: 8.FEB.2021 17:40:03



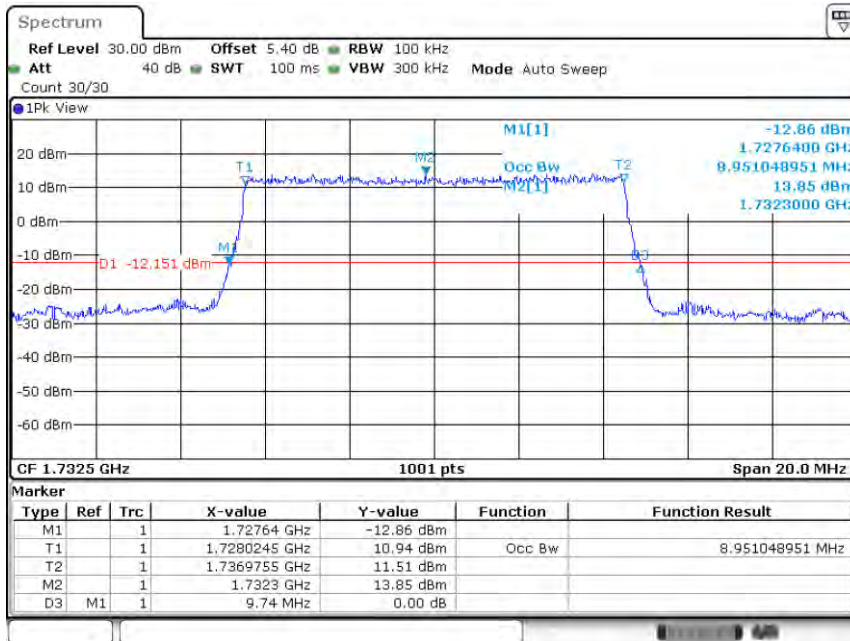
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

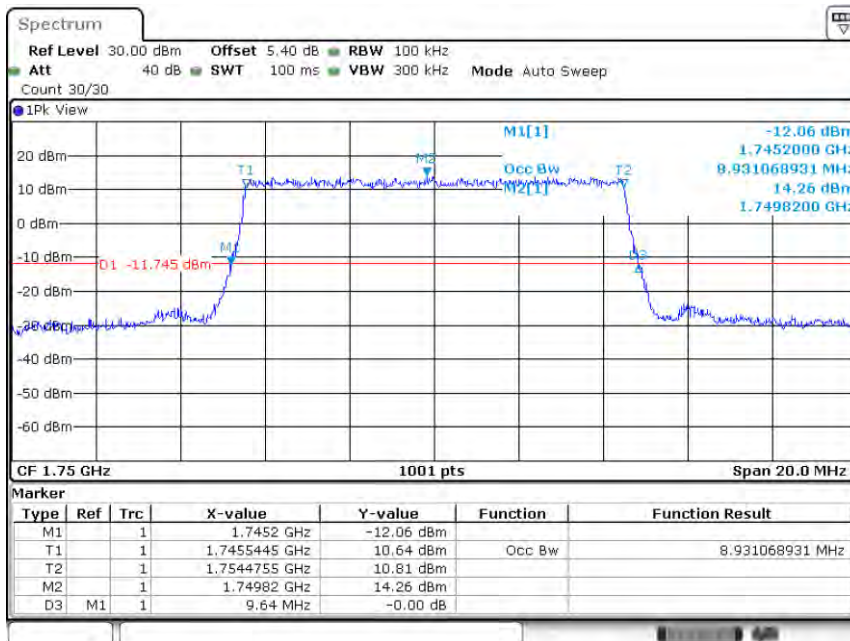
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-10MHz-QPSK-20175-50RB#0-8.951



Date: 8.FEB.2021 17:40:29

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



Date: 8.FEB.2021 17:40:54



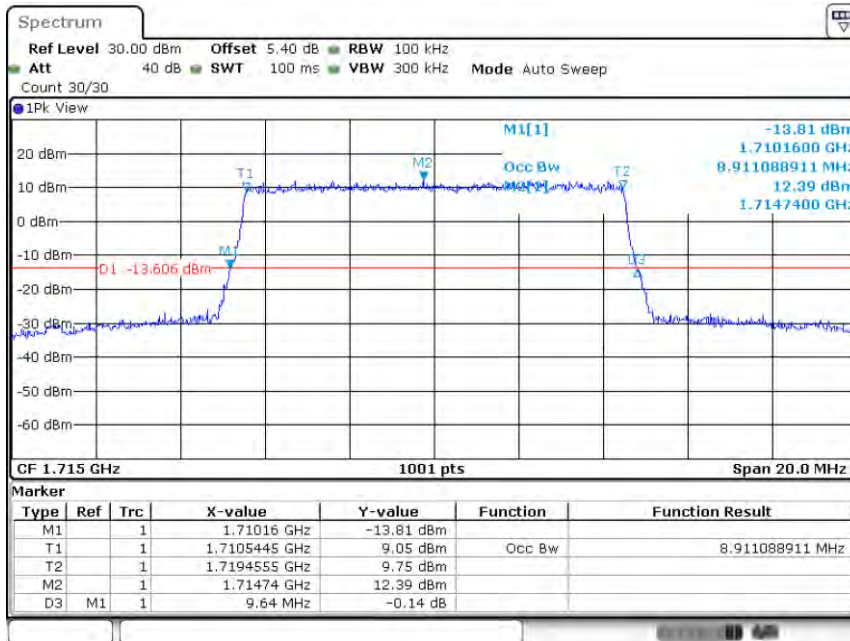
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

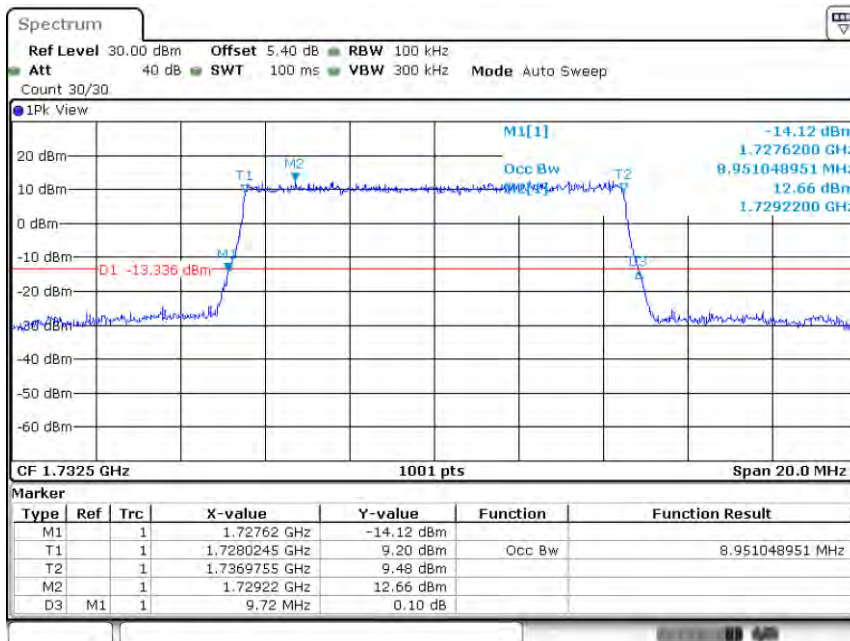


Band4-10MHz-64QAM-20000-50RB#0-8.911



Date: 8.FEB.2021 20:26:30

Band4-10MHz-64QAM-20175-50RB#0-8.951



Date: 8.FEB.2021 20:26:43

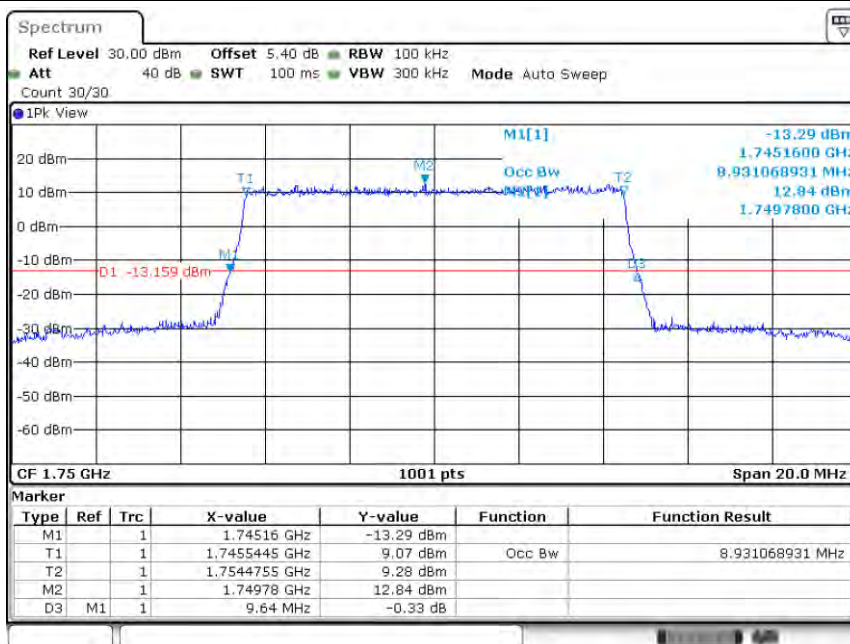


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

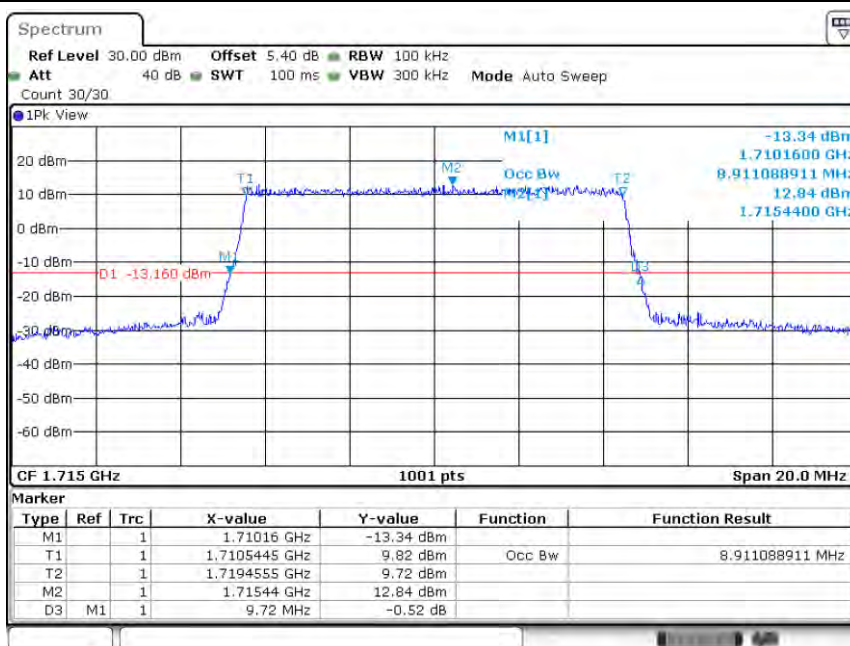


Band4-10MHz-64QAM-20350-50RB#0-8.931



Date: 8.FEB.2021 20:26:56

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



Date: 8.FEB.2021 17:40:16

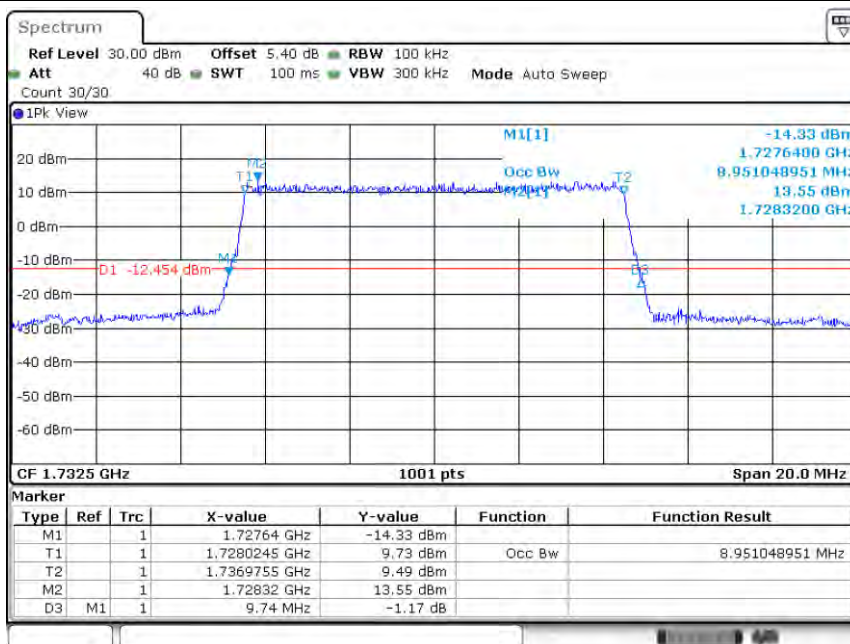


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

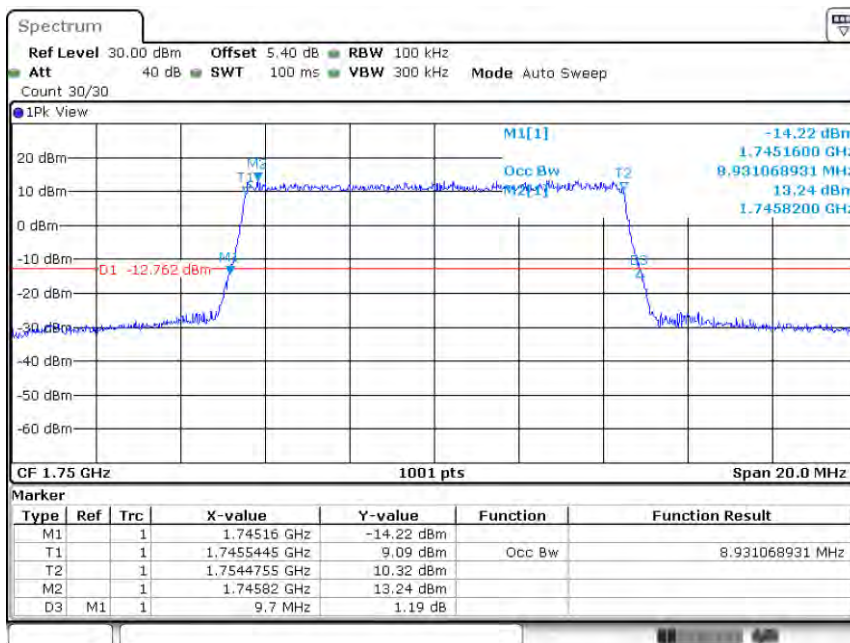


Band4-10MHz-16QAM-20175-50RB#0-8.951



Date: 8.FEB.2021 17:40:41

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



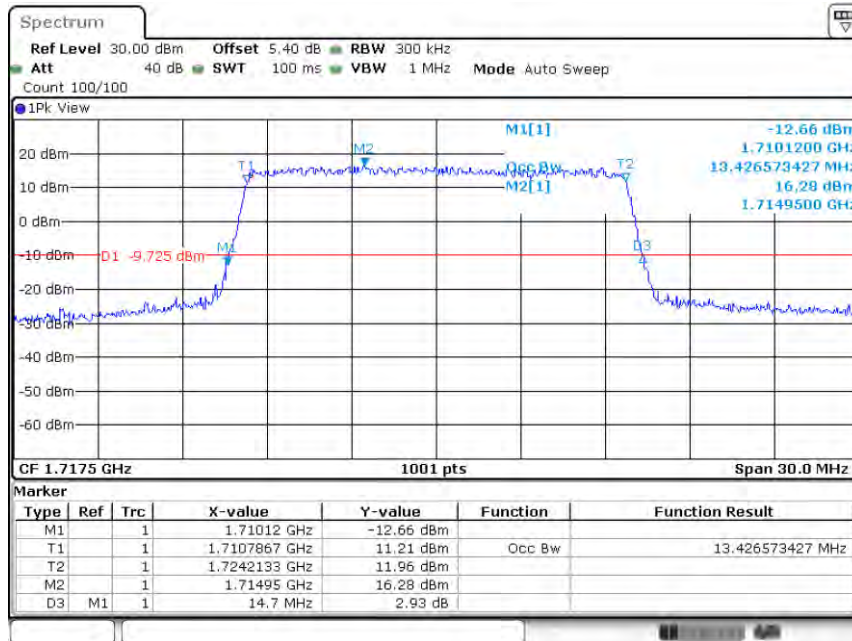
Date: 8.FEB.2021 17:41:07



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.

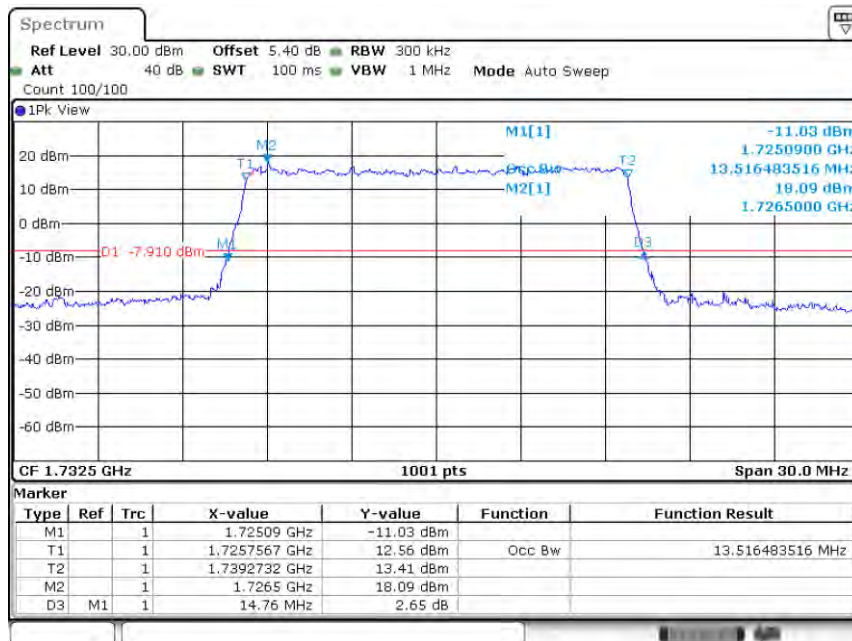
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8.FEB.2021 17:41:32

Band4-15MHz-QPSK-20175-75RB#0-13.516

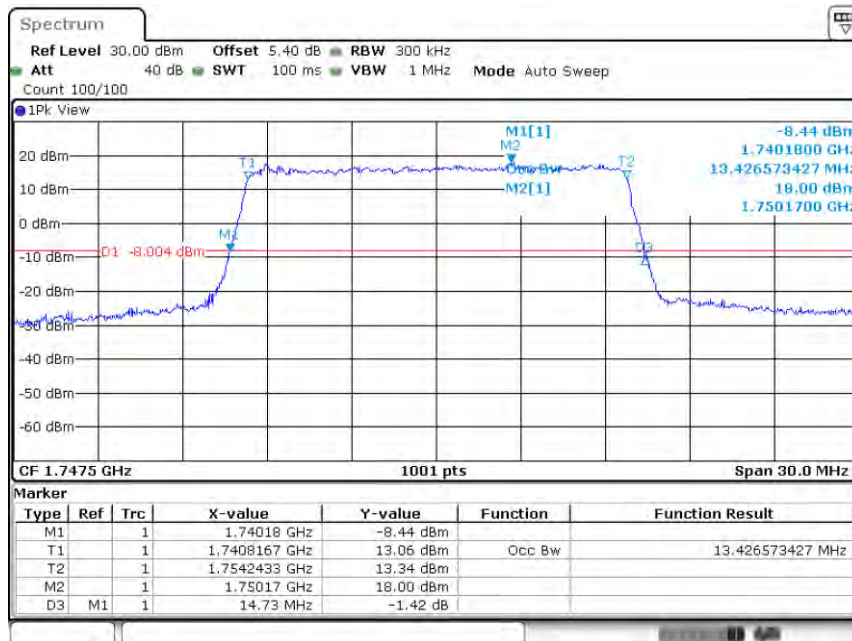


Date: 8.FEB.2021 17:42:12



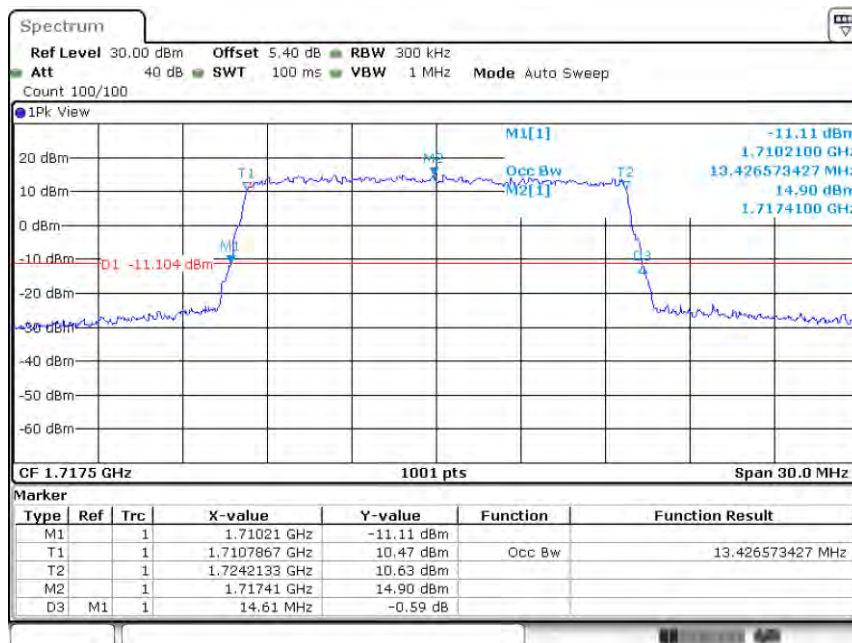


Band4-15MHz-QPSK-20325-75RB#0-13.427



Date: 8.FEB.2021 17:42:51

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

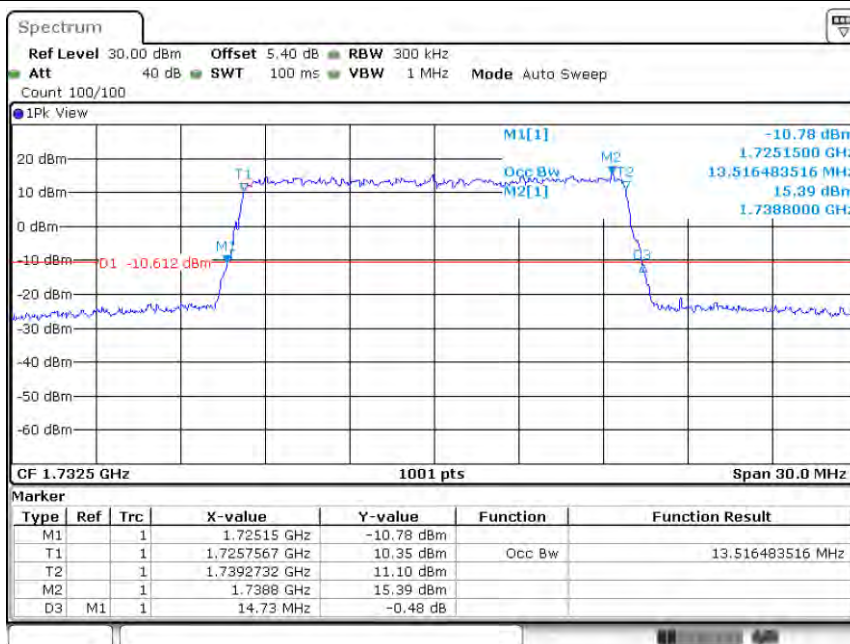


Date: 8.FEB.2021 20:27:22



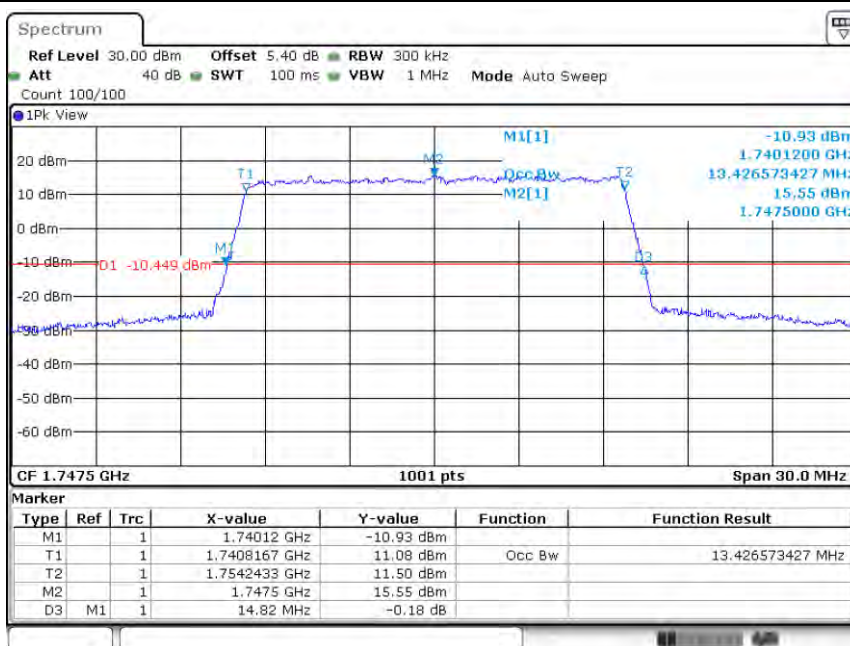


Band4-15MHz-64QAM-20175-75RB#0-13.516



Date: 8.FEB.2021 20:27:42

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



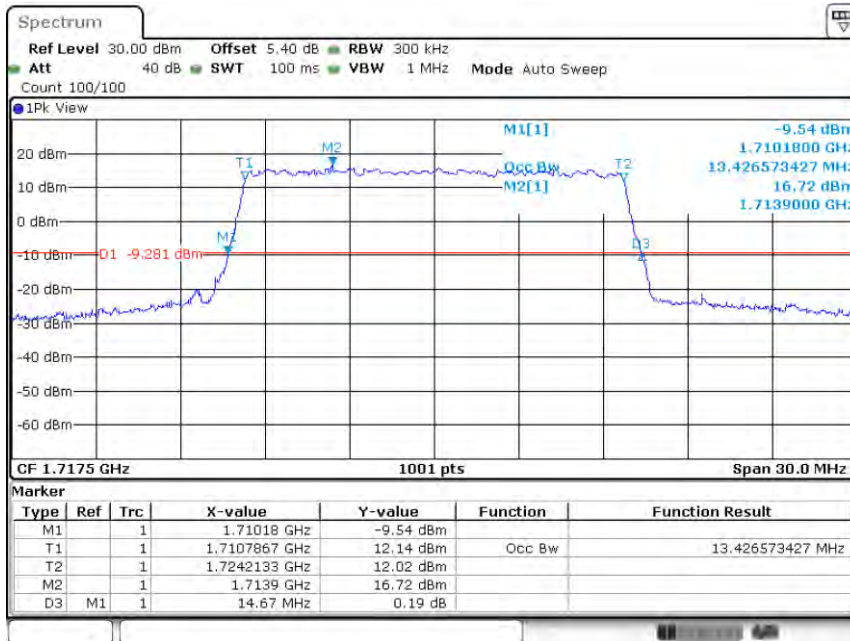
Date: 8.FEB.2021 20:28:02



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

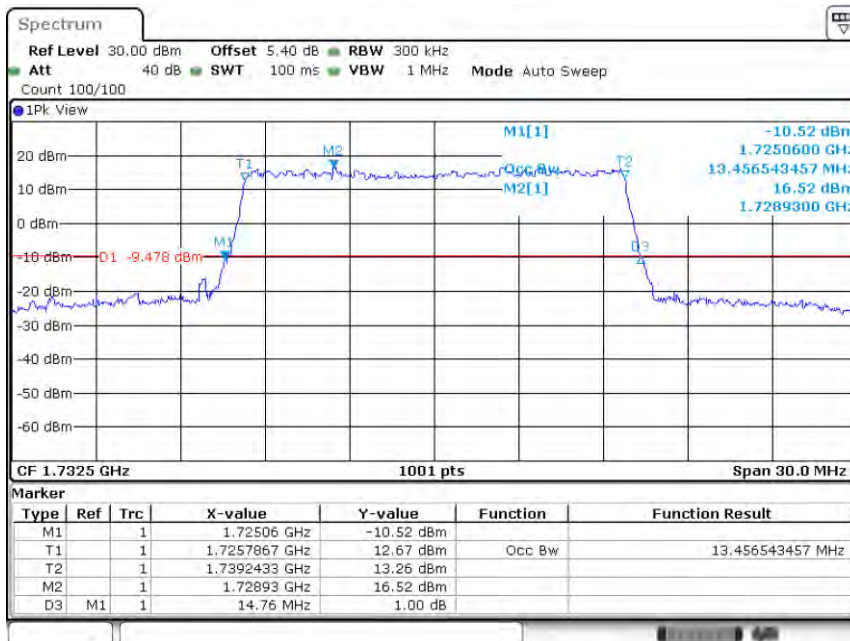
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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#0-13.427



Date: 8.FEB.2021 17:41:52

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



Date: 8.FEB.2021 17:42:31

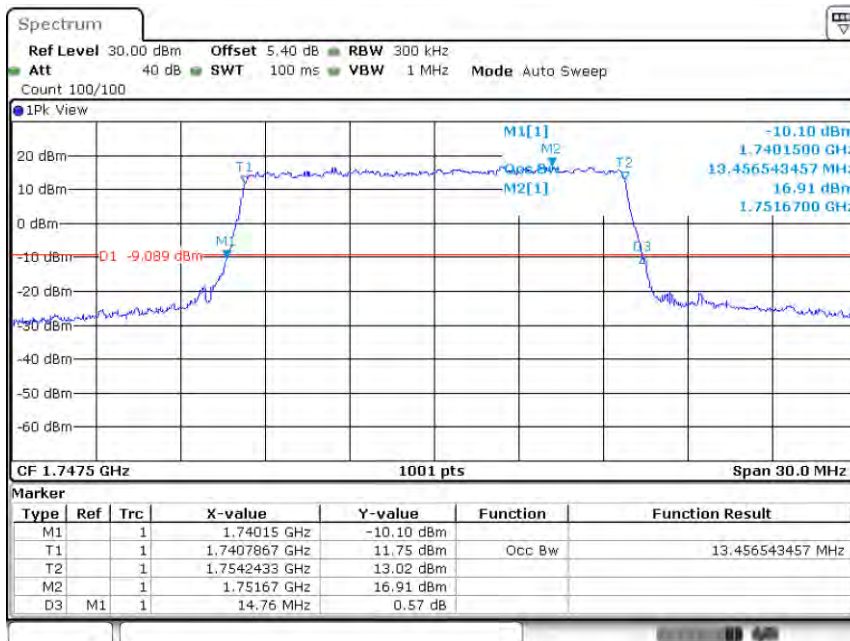


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

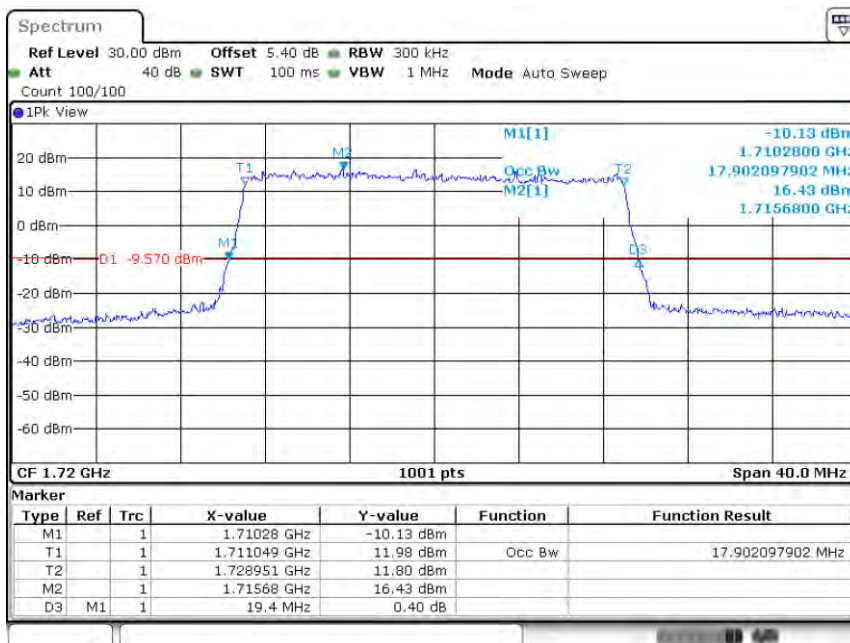


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 8.FEB.2021 17:43:11

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

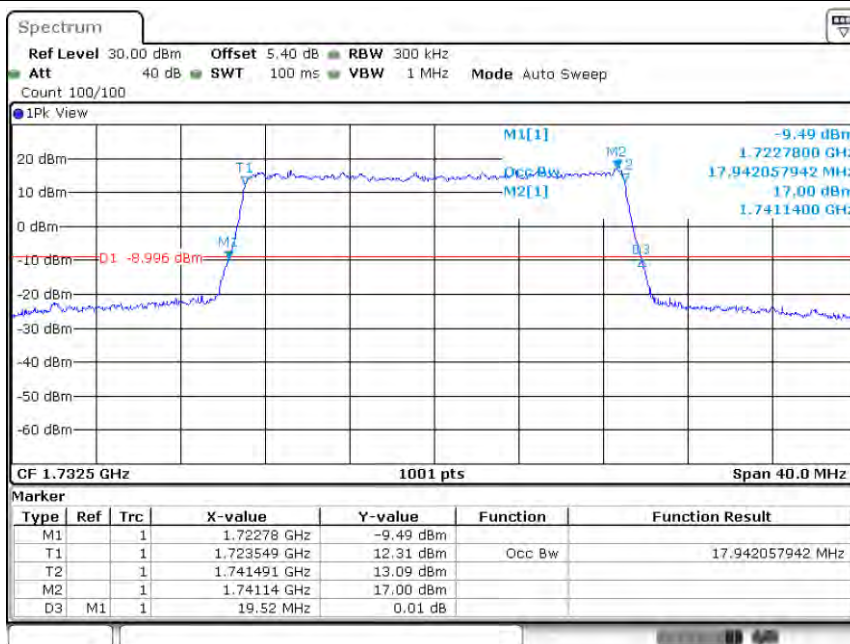


Date: 8.FEB.2021 17:43:36



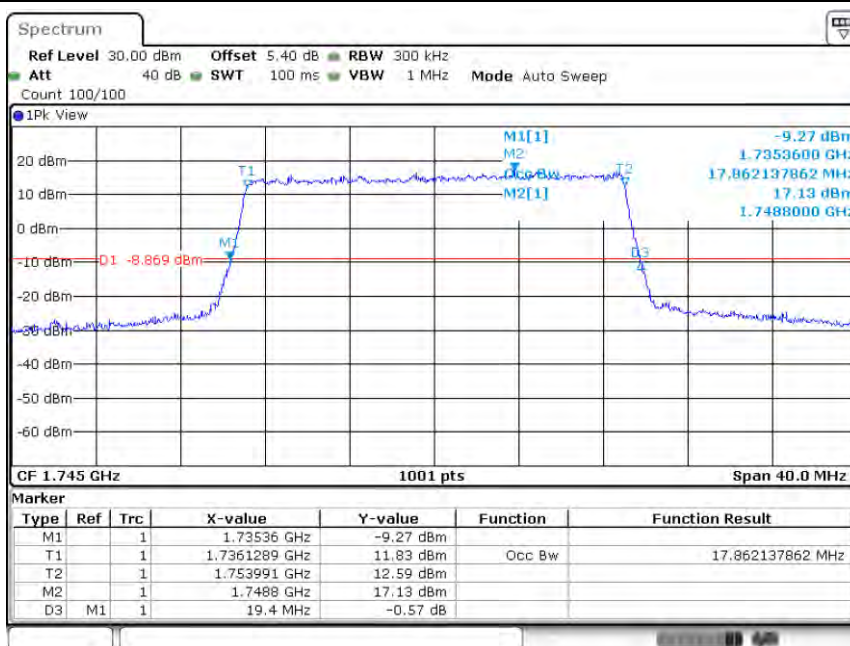


Band4-20MHz-QPSK-20175-100RB#0-17.942



Date: 8.FEB.2021 17:44:16

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



Date: 8.FEB.2021 17:44:55



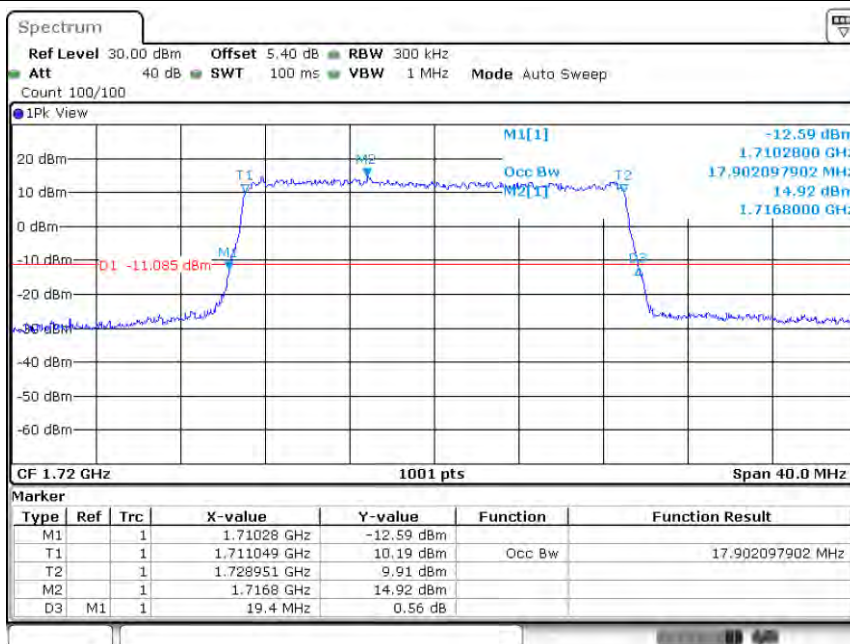
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

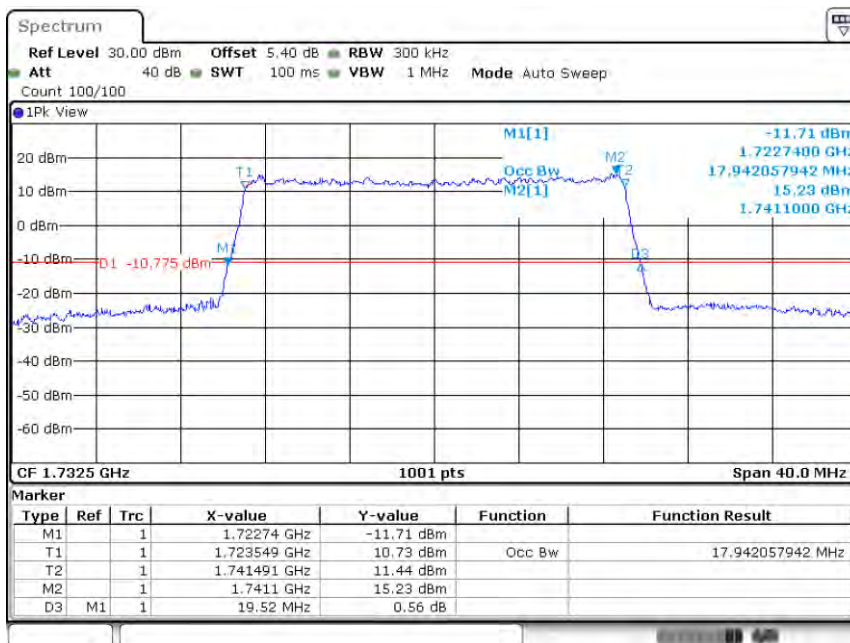


Band4-20MHz-64QAM-20050-100RB#0-17.902



Date: 8.FEB.2021 20:28:29

Band4-20MHz-64QAM-20175-100RB#0-17.942



Date: 8.FEB.2021 20:28:49

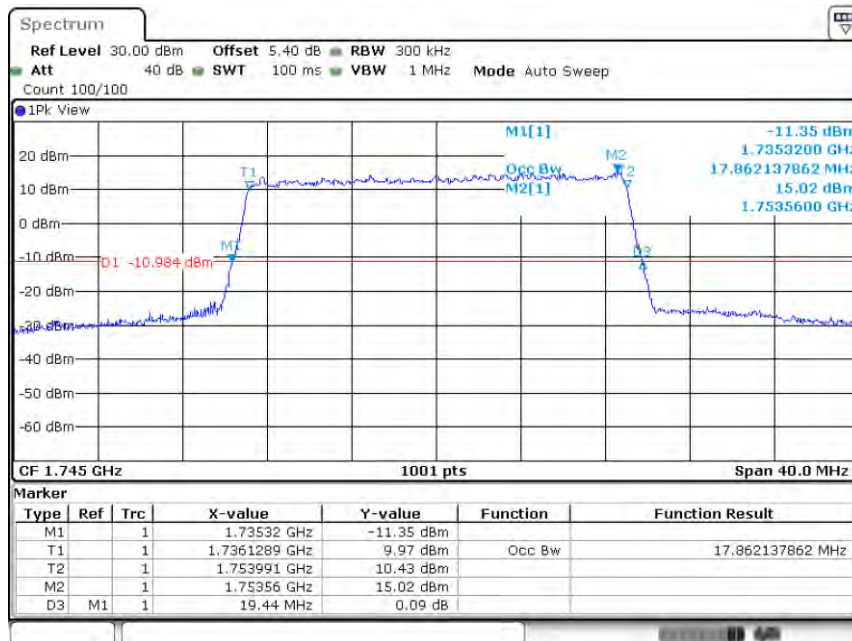


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

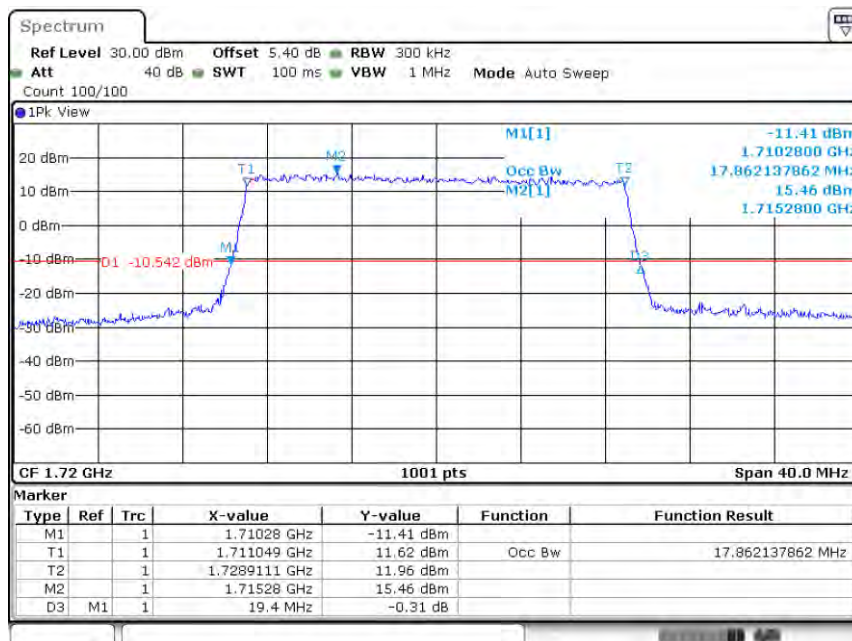


Band4-20MHz-64QAM-20300-100RB#0-17.862



Date: 8.FEB.2021 20:29:09

Band4-20MHz-16QAM-20050-100RB#0-17.862



Date: 8.FEB.2021 17:43:56

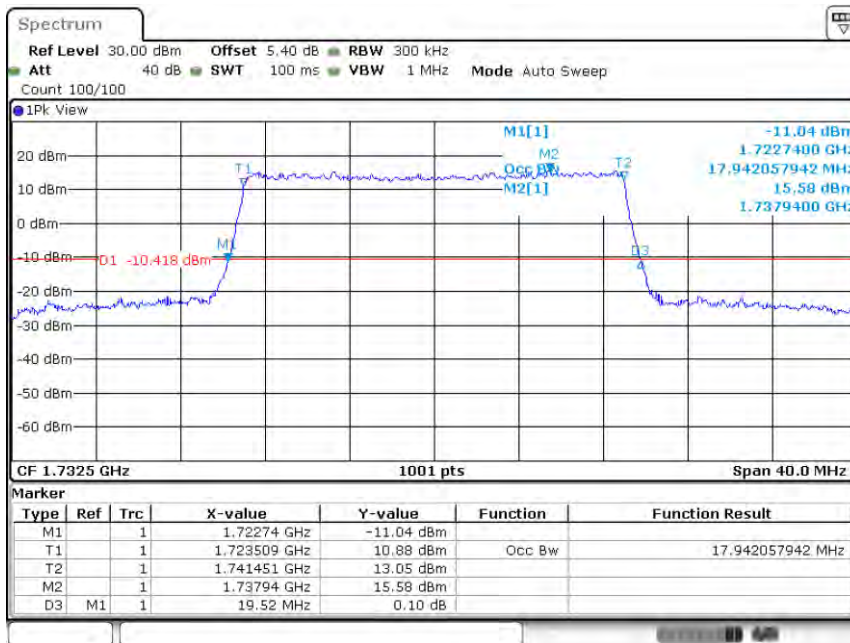


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

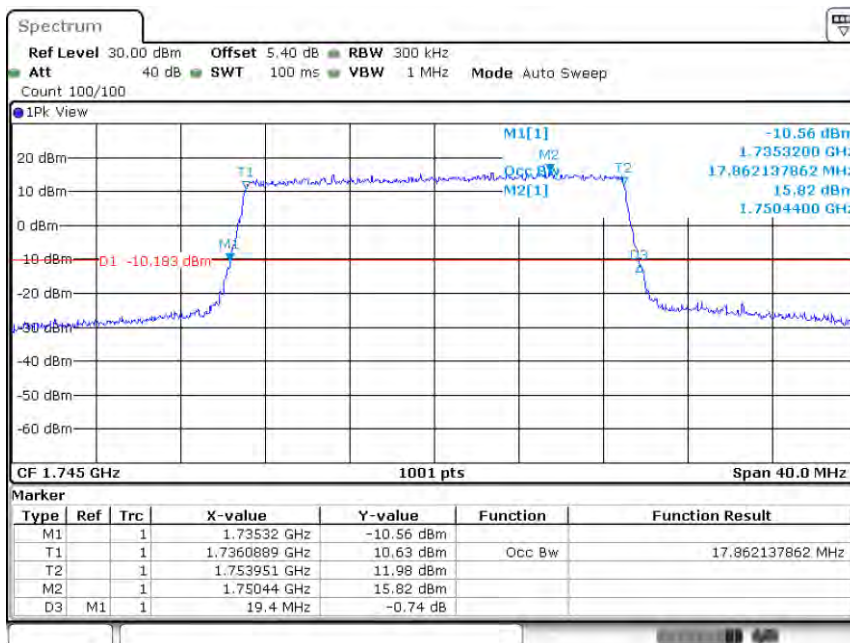


Band4-20MHz-16QAM-20175-100RB#0-17.942



Date: 8.FEB.2021 17:44:36

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



Date: 8.FEB.2021 17:45:15



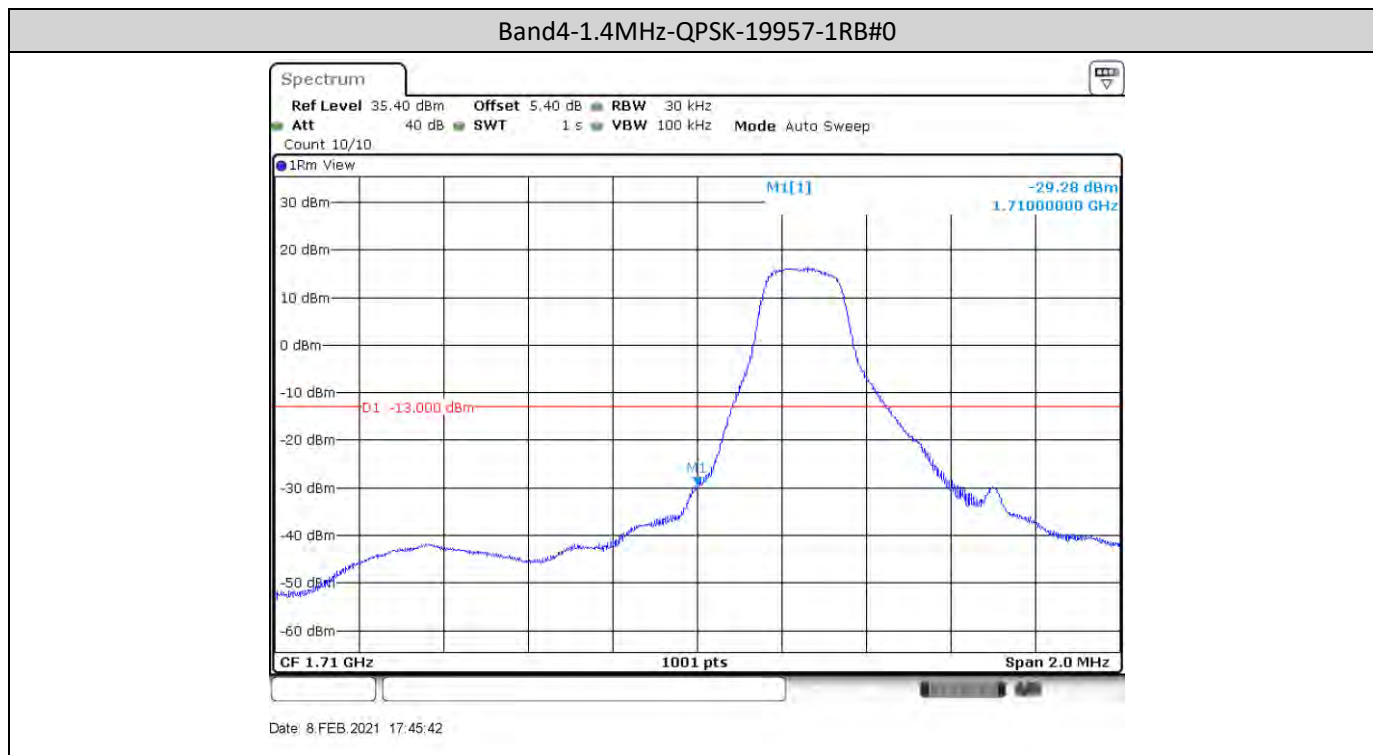
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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.

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

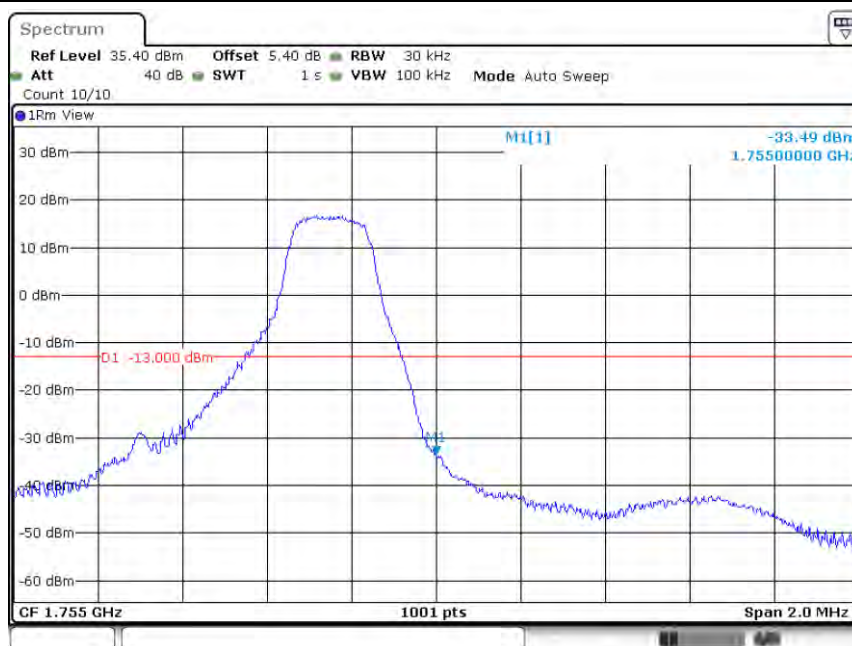


Band4-1.4MHz-QPSK-19957-6RB#0



Date: 8.FEB.2021 17:46:23

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



Date: 8.FEB.2021 17:47:08



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



Date: 8.FEB.2021 17:47:49

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



Date: 8.FEB.2021 20:29:36



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

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

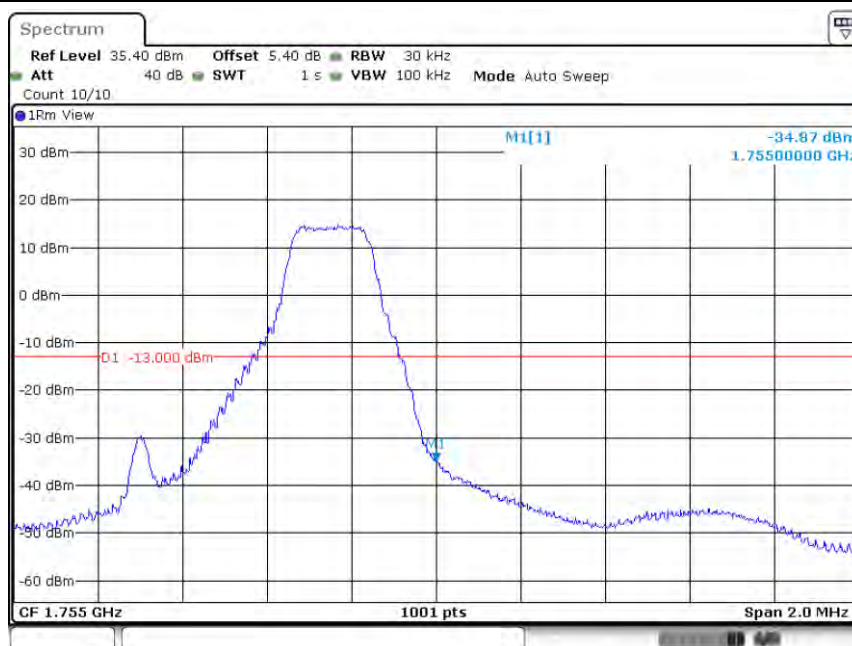


Band4-1.4MHz-64QAM-19957-6RB#0



Date: 8.FEB.2021 20:29:57

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



Date: 8.FEB.2021 20:30:23



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

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



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



Date: 8.FEB.2021 20:30:43

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



Date: 8.FEB.2021 17:46:02



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

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

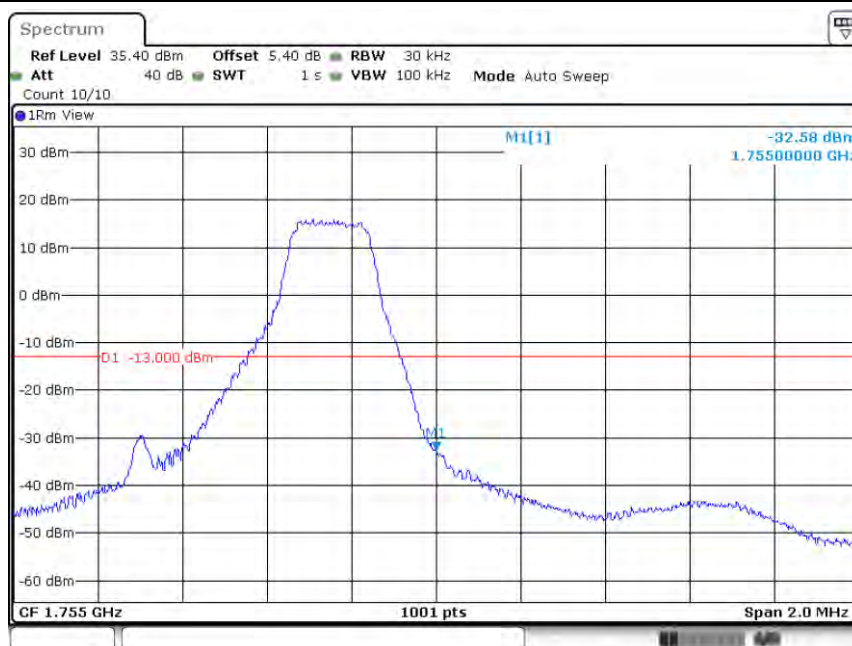


Band4-1.4MHz-16QAM-19957-6RB#0



Date: 8.FEB.2021 17:46:43

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



Date: 8.FEB.2021 17:47:29



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

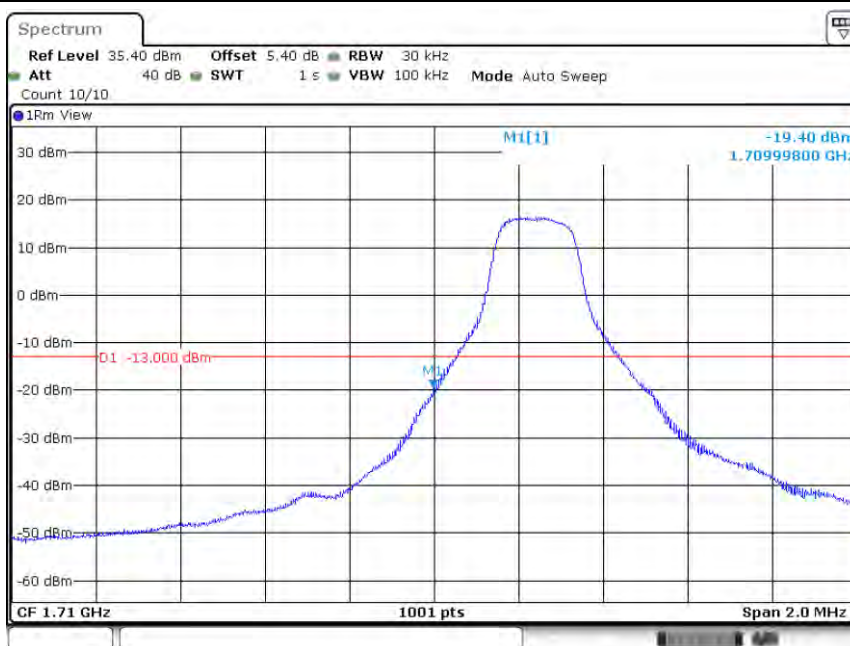


Band4-1.4MHz-16QAM-20393-6RB#0



Date: 8.FEB.2021 17:48:10

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



Date: 8.FEB.2021 17:48:36



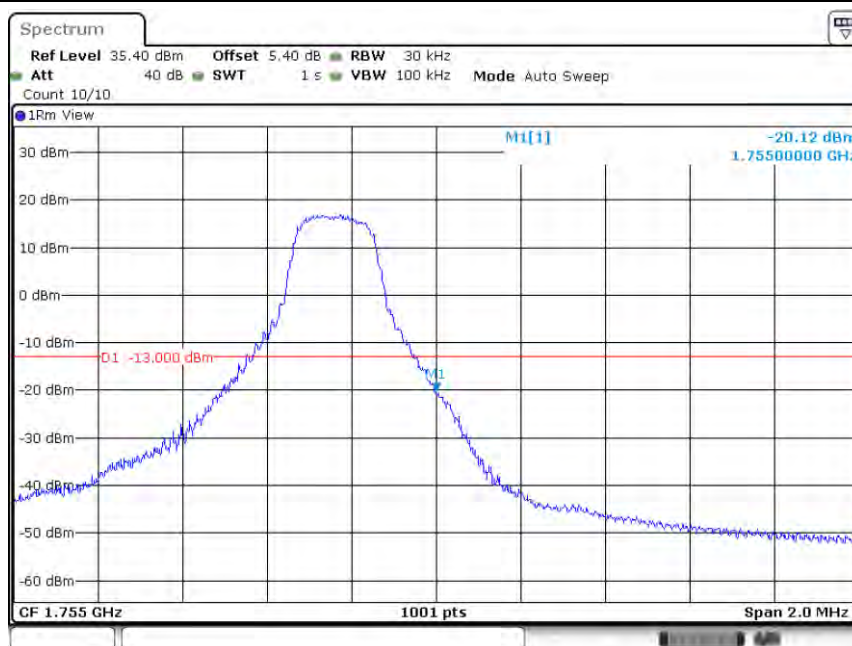


Band4-3MHz-QPSK-19965-15RB#0



Date: 8.FEB.2021 17:49:17

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



Date: 8.FEB.2021 17:50:03

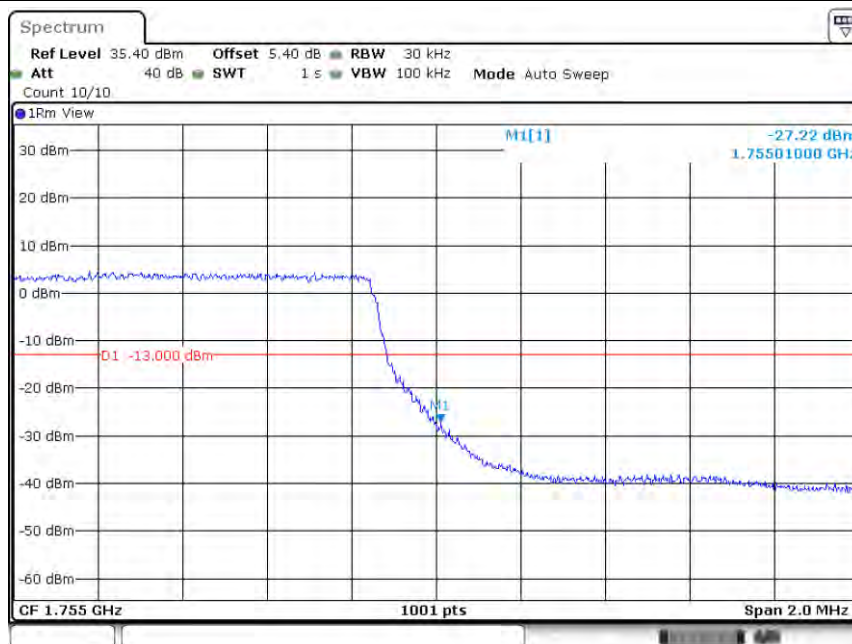


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

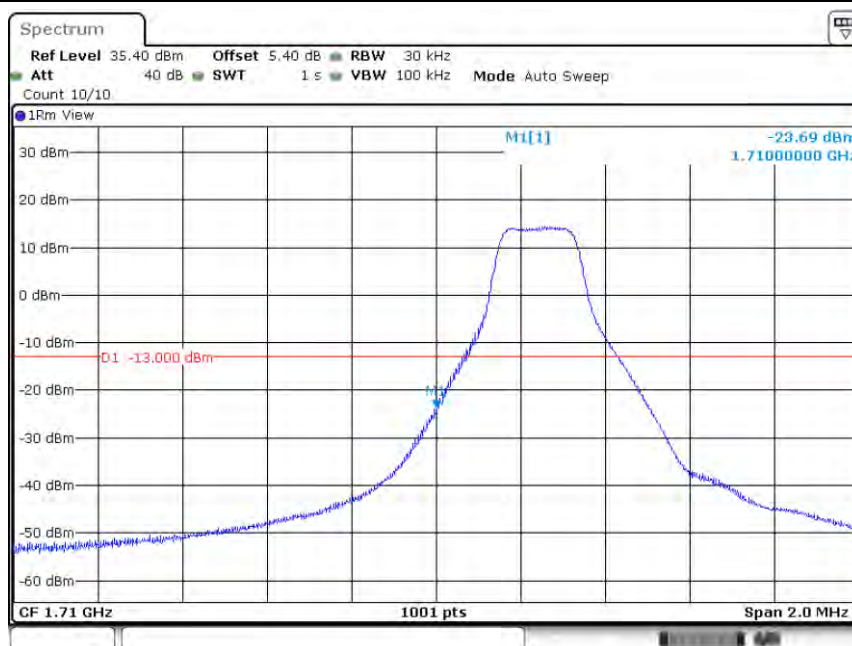


Band4-3MHz-QPSK-20385-15RB#0



Date: 8.FEB.2021 17:50:44

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



Date: 8.FEB.2021 20:31:11



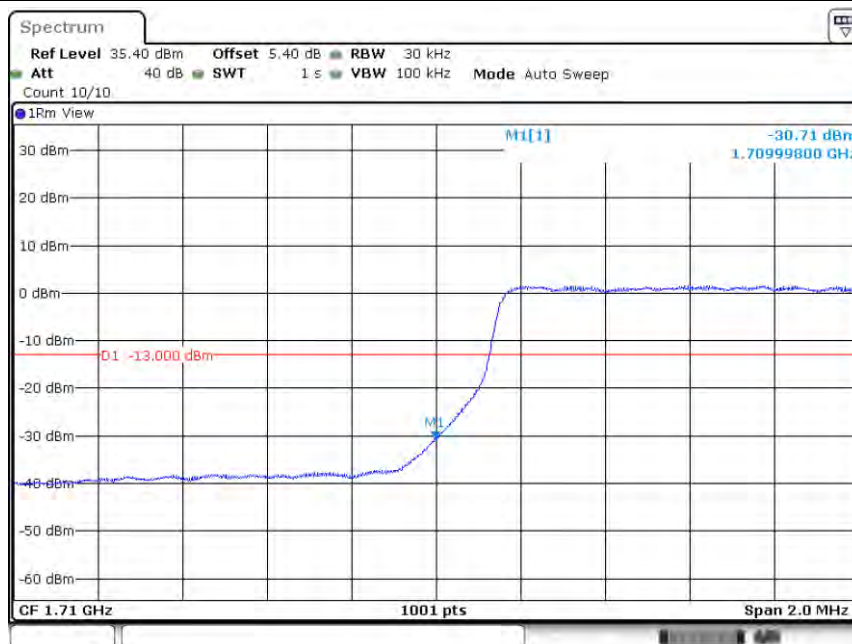
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

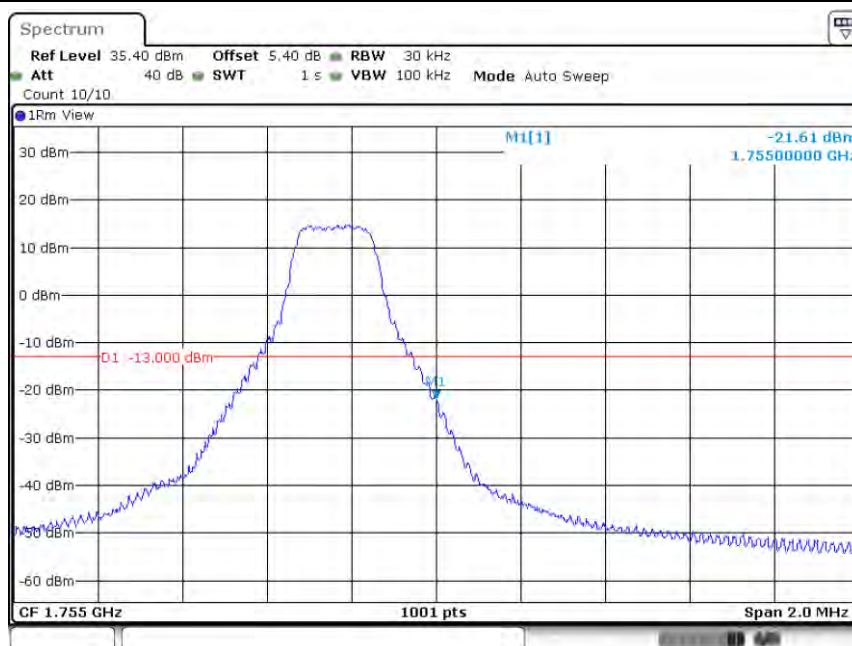


Band4-3MHz-64QAM-19965-15RB#0



Date: 8.FEB.2021 20:31:31

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



Date: 8.FEB.2021 20:31:57



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-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

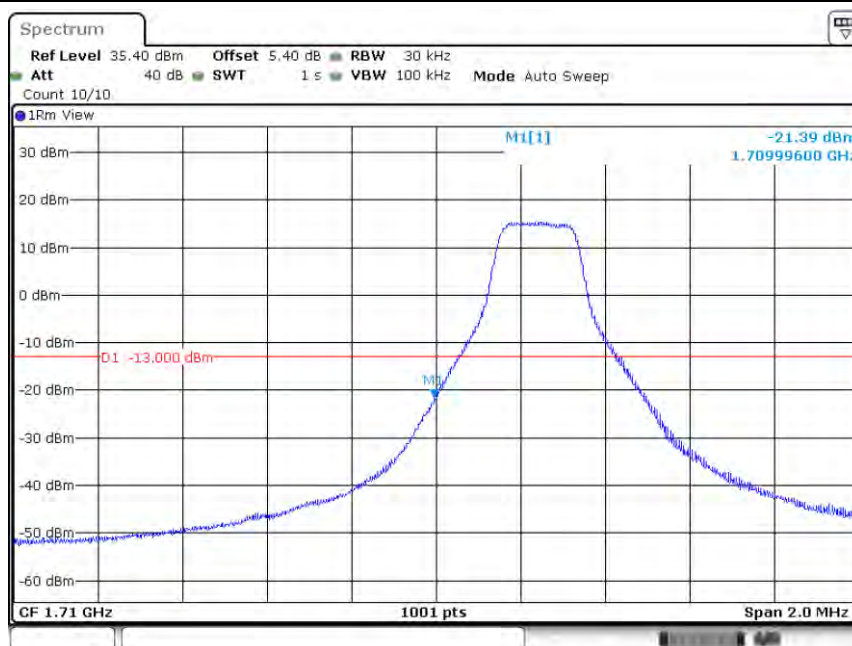


Band4-3MHz-64QAM-20385-15RB#0



Date: 8.FEB.2021 20:32:18

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



Date: 8.FEB.2021 17:48:57



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-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

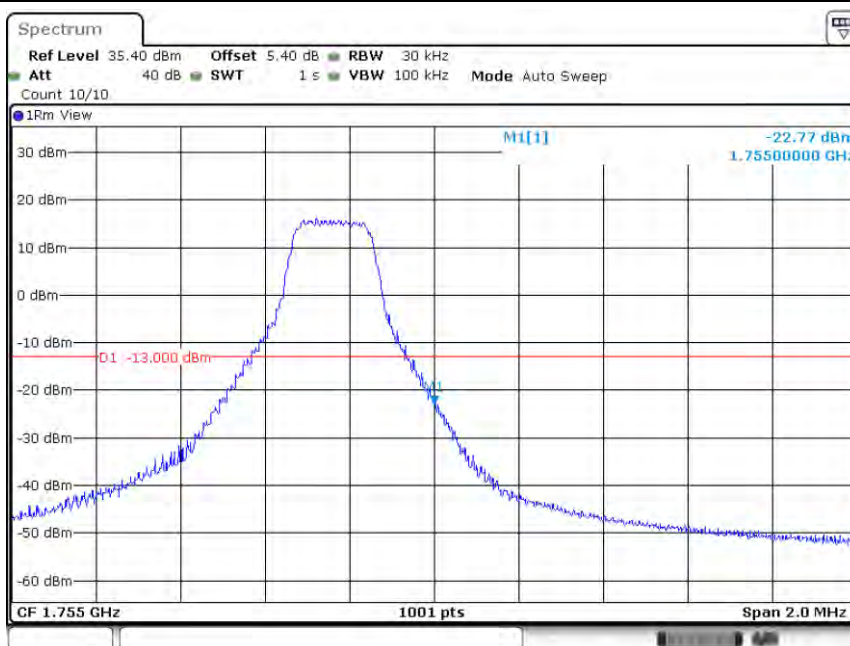


Band4-3MHz-16QAM-19965-15RB#0



Date: 8.FEB.2021 17:49:38

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



Date: 8.FEB.2021 17:50:23

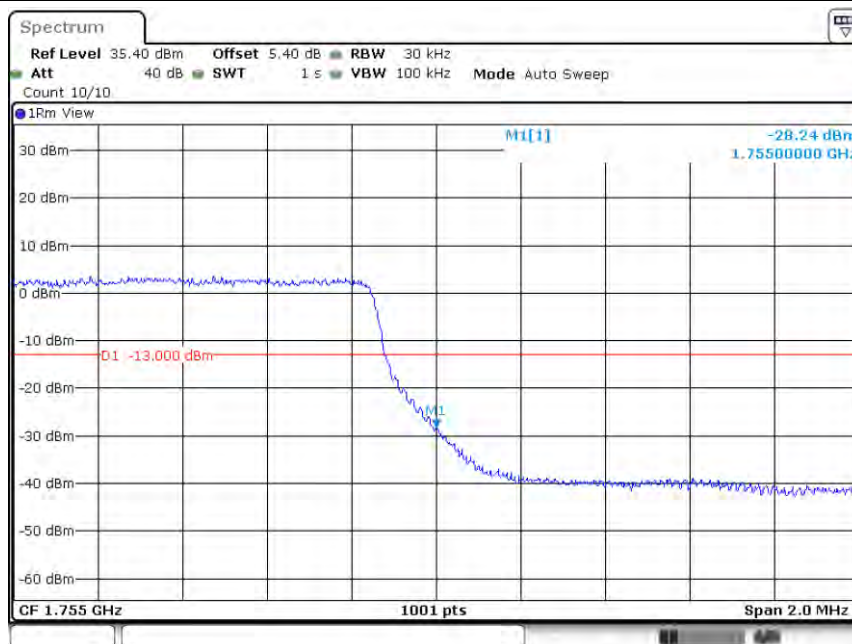


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 8.FEB.2021 17:51:04

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



Date: 8.FEB.2021 17:51:30



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

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

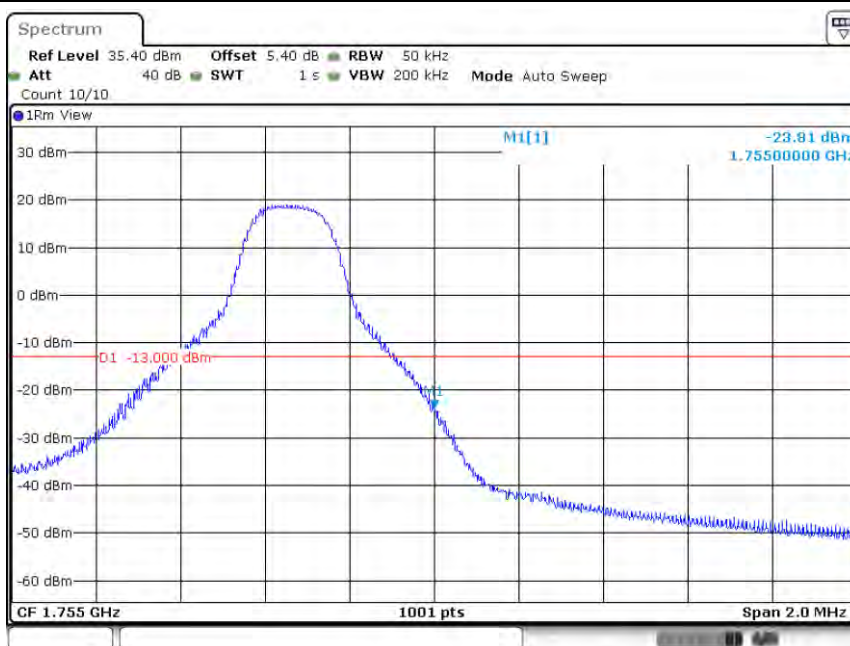


Band4-5MHz-QPSK-19975-25RB#0



Date: 8.FEB.2021 17:52:11

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



Date: 8.FEB.2021 17:52:57



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

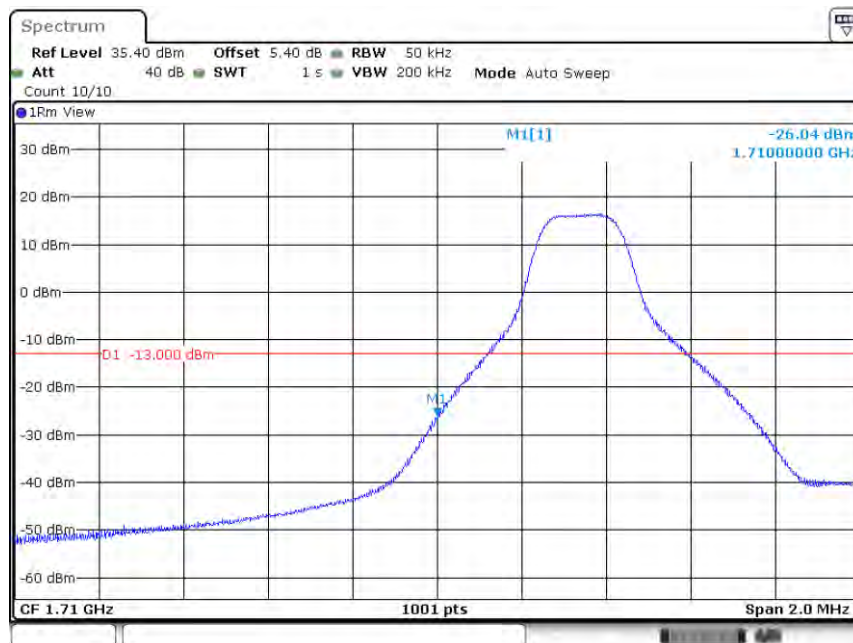


Band4-5MHz-QPSK-20375-25RB#0



Date: 8.FEB.2021 17:53:38

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

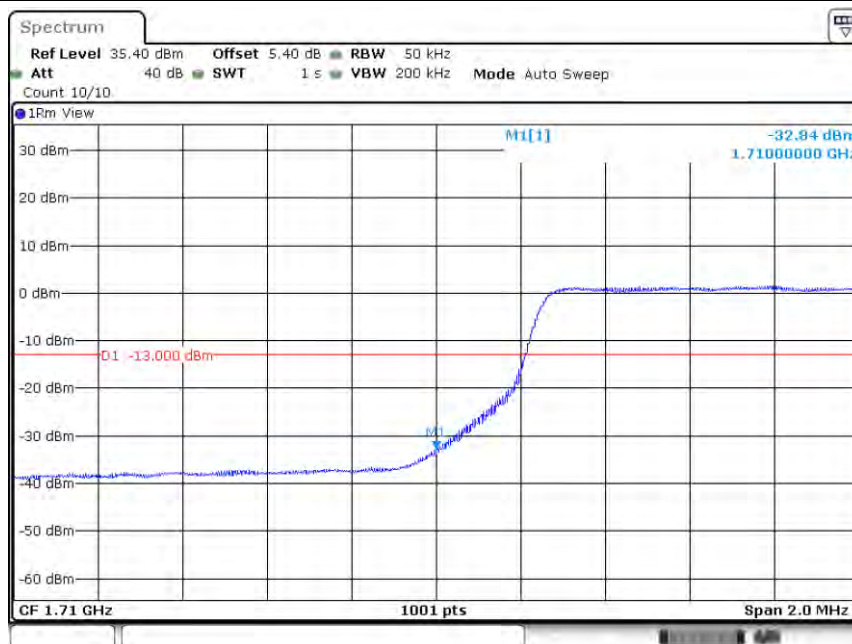


Date: 8.FEB.2021 20:32:45



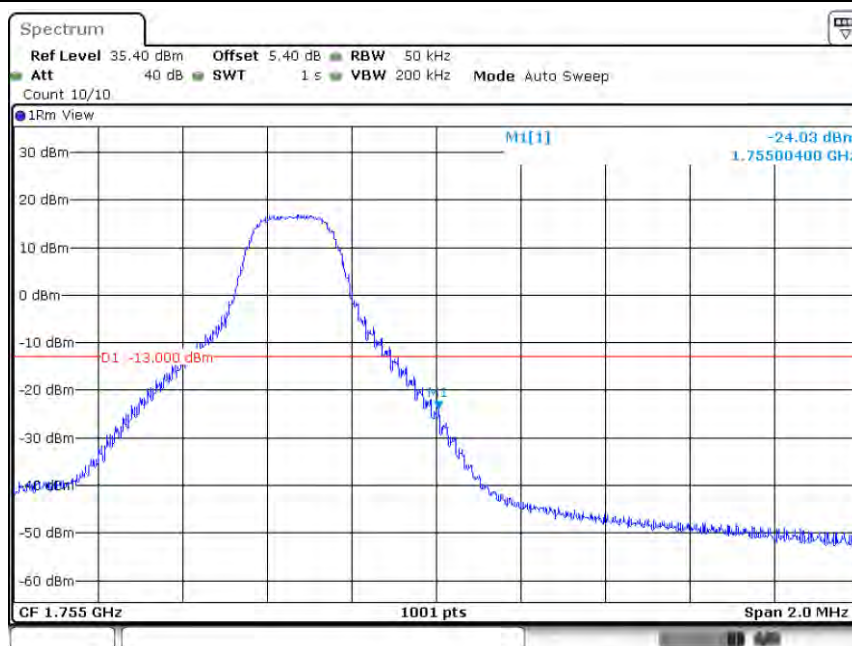


Band4-5MHz-64QAM-19975-25RB#0



Date: 8.FEB.2021 20:33:05

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



Date: 8.FEB.2021 20:33:31

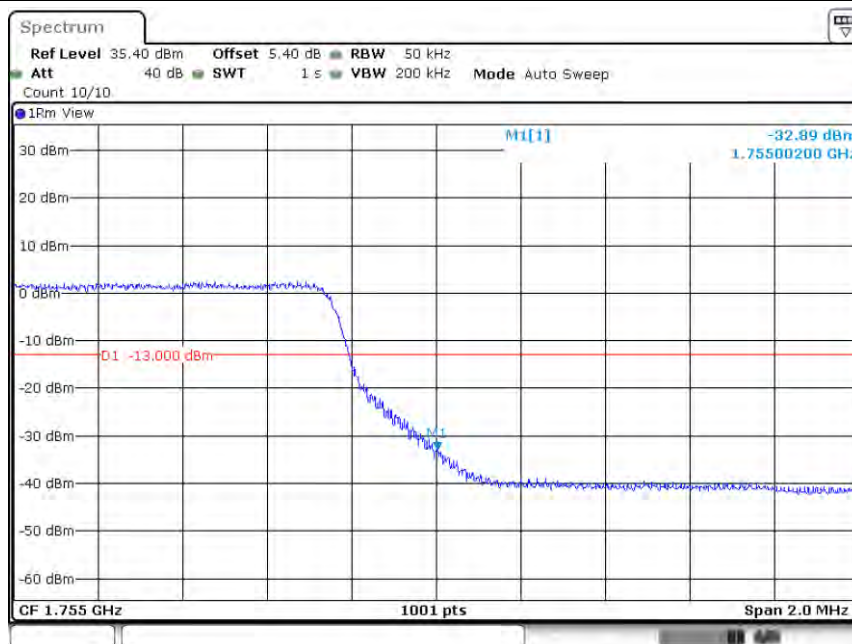


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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: 8.FEB.2021 20:33:52

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



Date: 8.FEB.2021 17:51:51



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

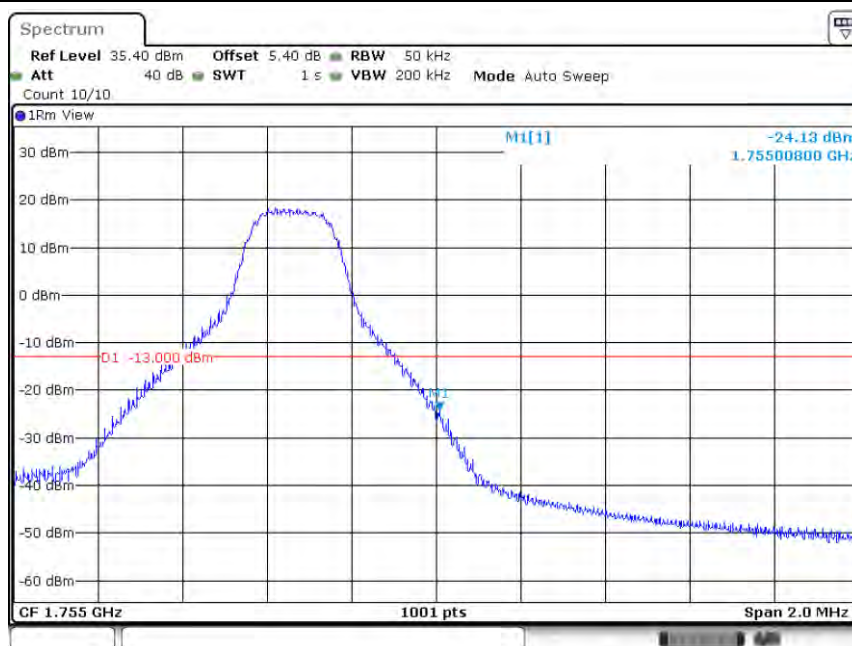


Band4-5MHz-16QAM-19975-25RB#0



Date: 8.FEB.2021 17:52:32

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



Date: 8.FEB.2021 17:53:17

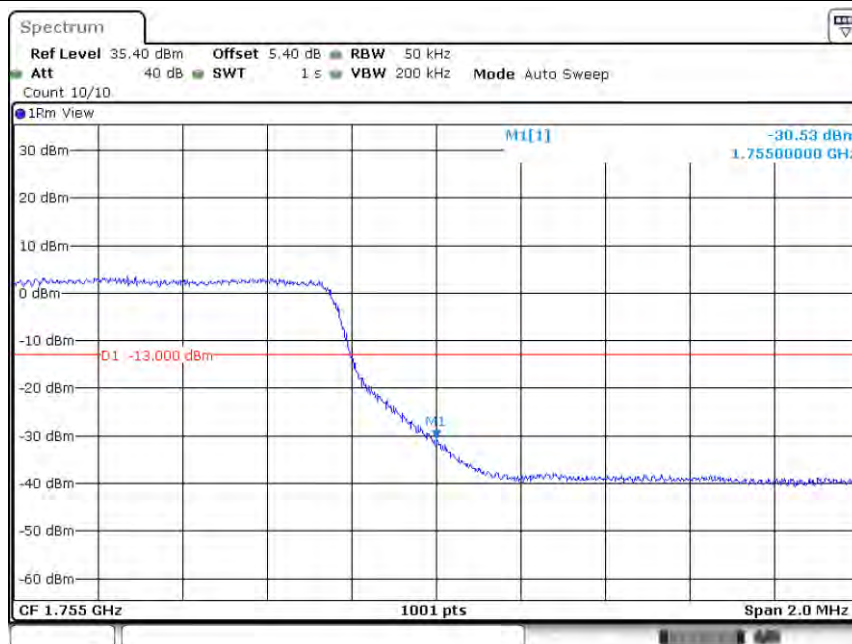


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 8.FEB.2021 17:53:58

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



Date: 8.FEB.2021 17:54:25



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

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

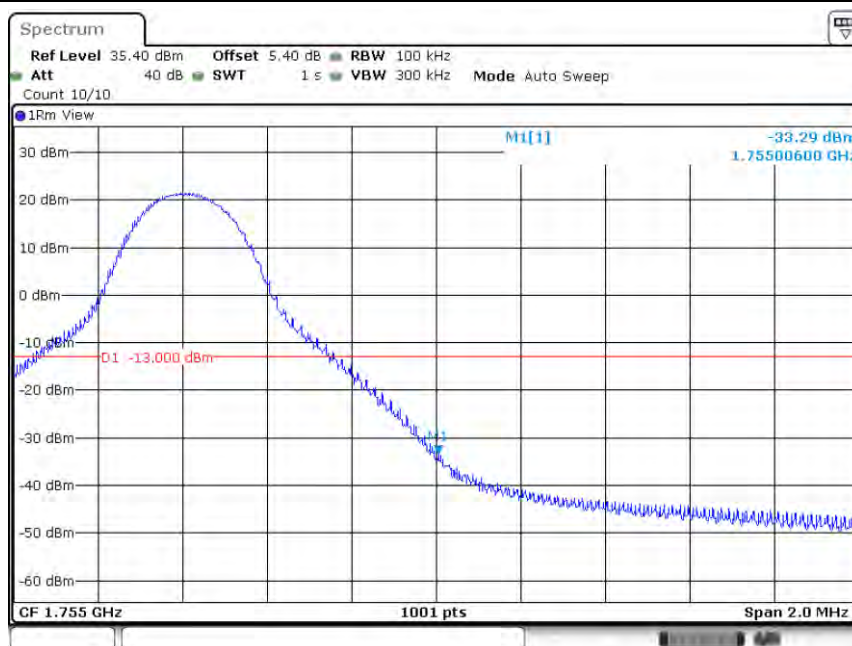


Band4-10MHz-QPSK-20000-50RB#0



Date: 8.FEB.2021 17:55:06

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



Date: 8.FEB.2021 17:55:51



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

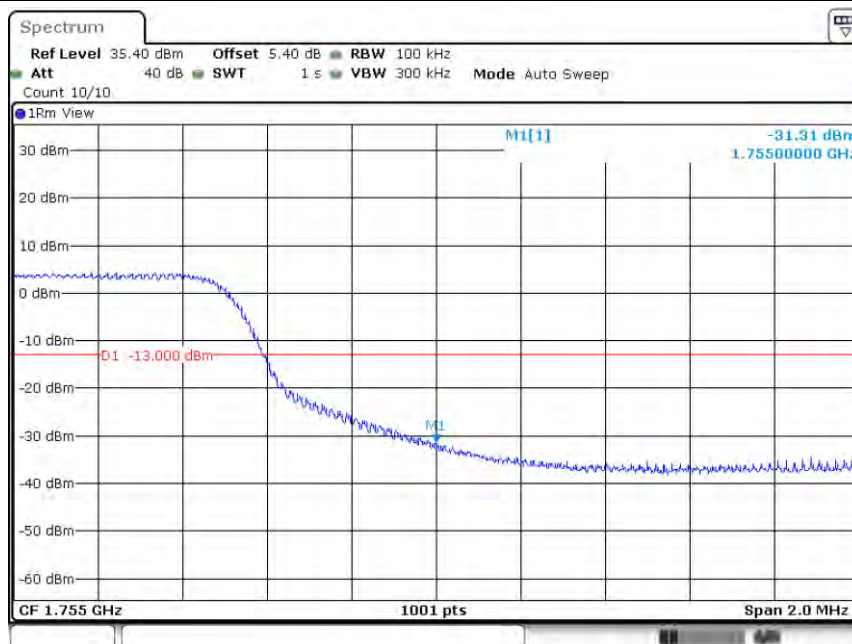
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

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

Member of the SGS Group (SGS SA)



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



Date: 8.FEB.2021 17:56:32

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



Date: 8.FEB.2021 20:34:19

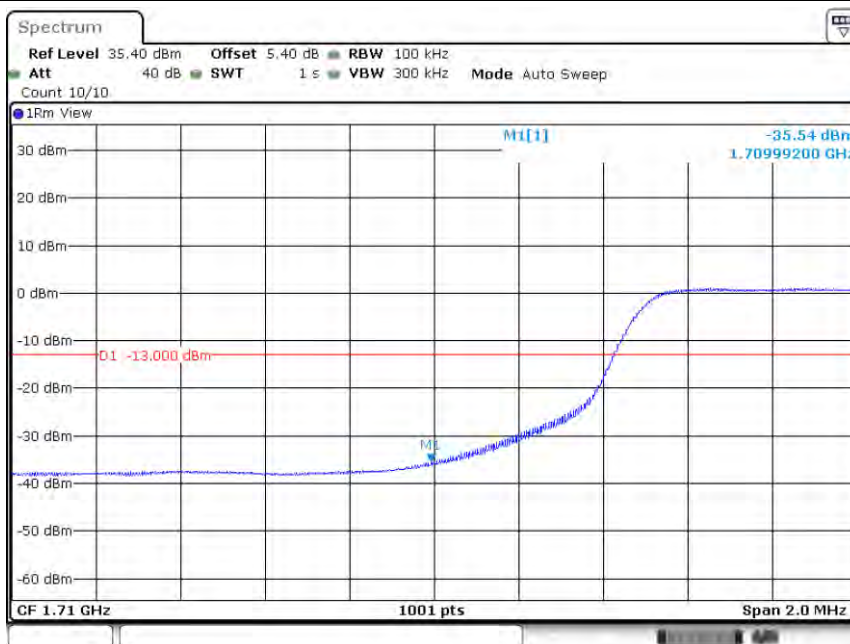


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

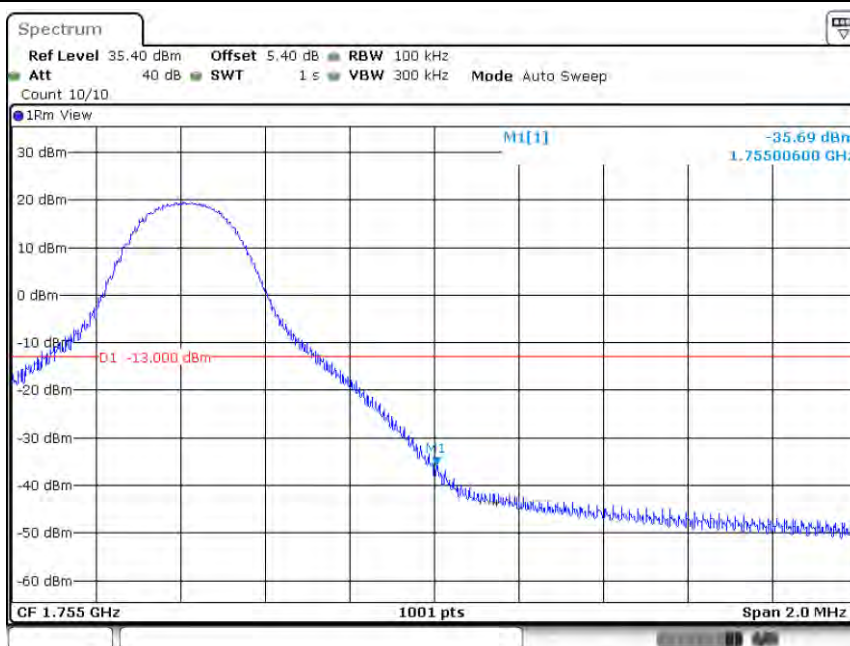


Band4-10MHz-64QAM-20000-50RB#0



Date: 8.FEB.2021 20:34:40

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



Date: 8.FEB.2021 20:35:05

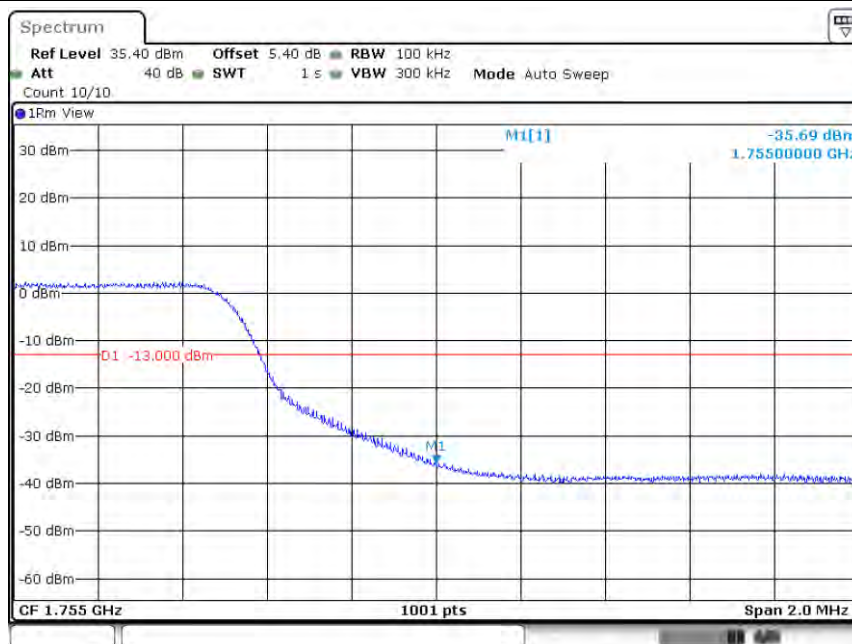


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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



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



Date: 8.FEB.2021 20:35:26

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



Date: 8.FEB.2021 17:54:45

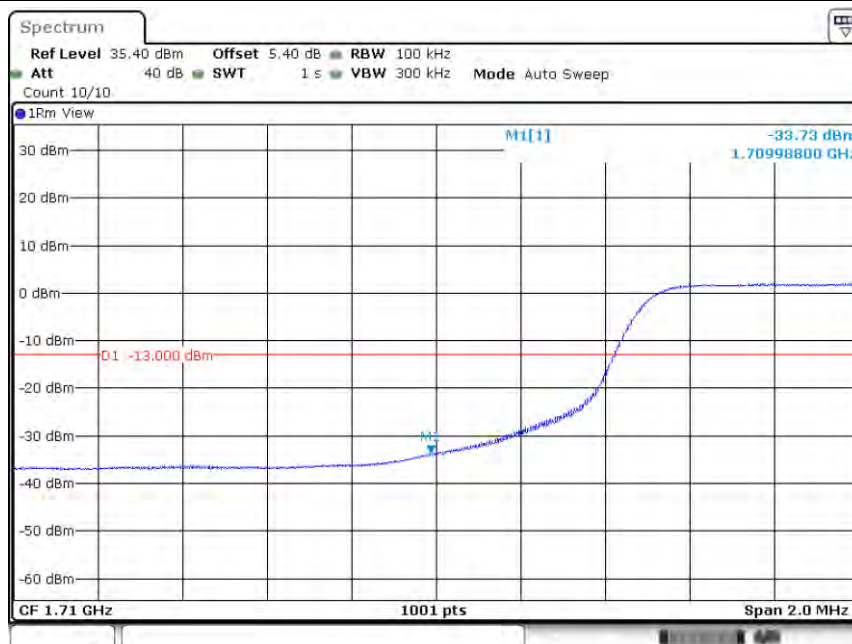


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

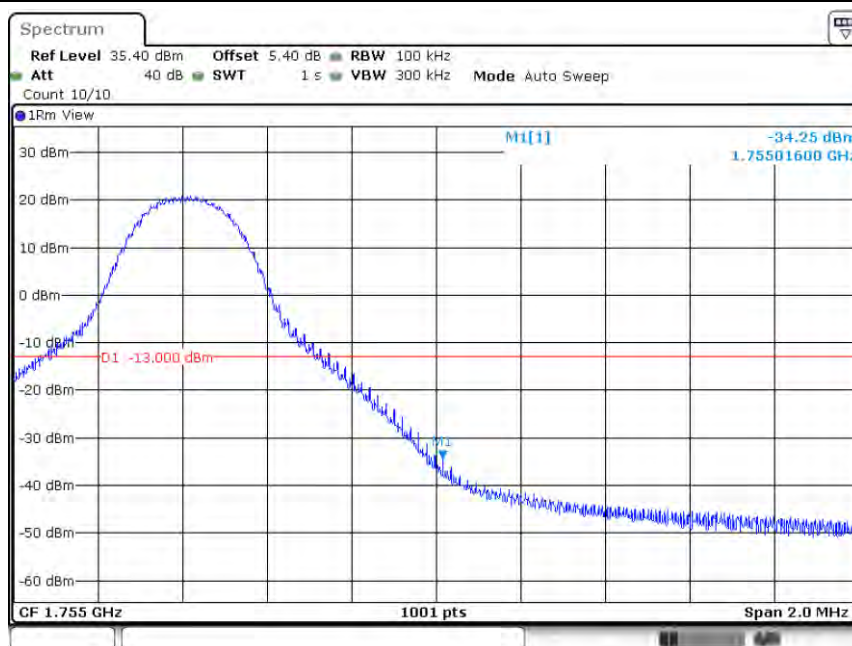


Band4-10MHz-16QAM-20000-50RB#0



Date: 8.FEB.2021 17:55:26

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



Date: 8.FEB.2021 17:56:12



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-20350-50RB#0



Date: 8.FEB.2021 17:56:53

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



Date: 8.FEB.2021 17:57:19



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

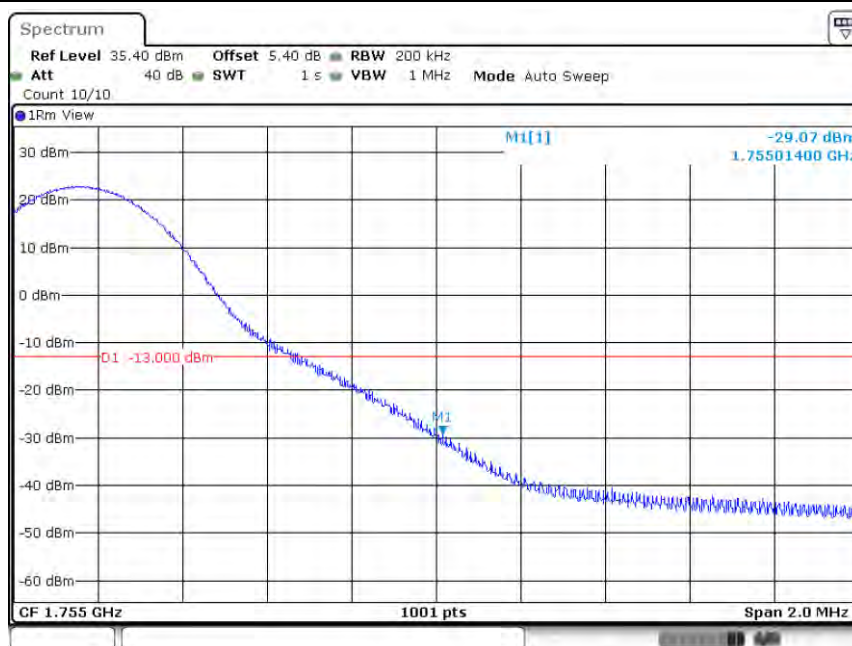


Band4-15MHz-QPSK-20025-75RB#0



Date: 8.FEB.2021 17:58:00

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



Date: 8.FEB.2021 17:58:45



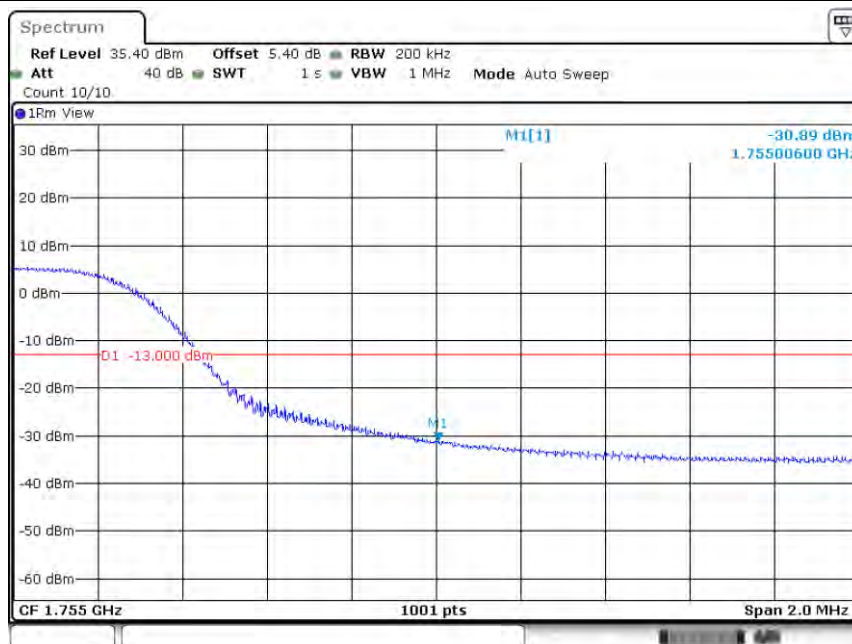
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 8.FEB.2021 17:59:26

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



Date: 8.FEB.2021 20:35:53



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

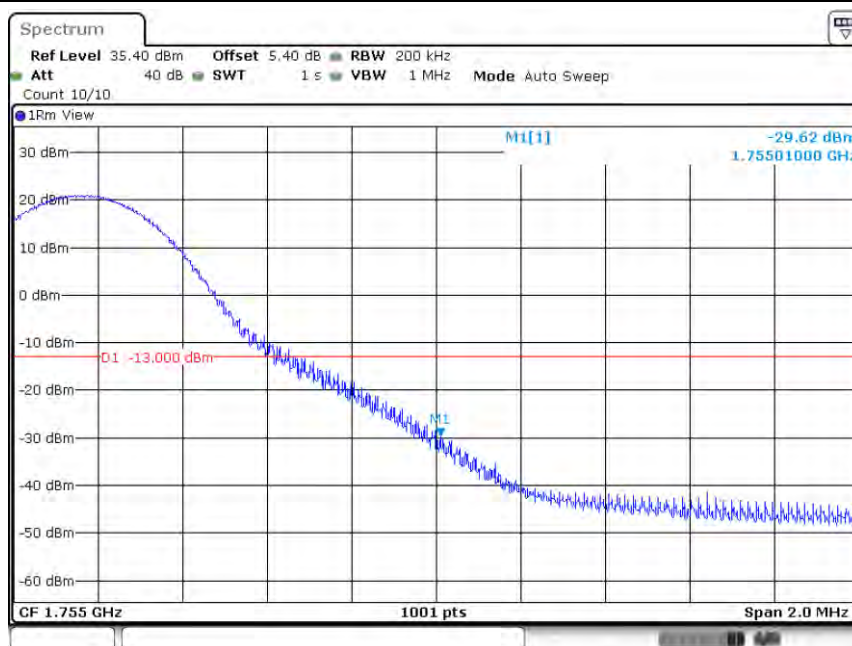


Band4-15MHz-64QAM-20025-75RB#0



Date: 8.FEB.2021 20:36:14

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

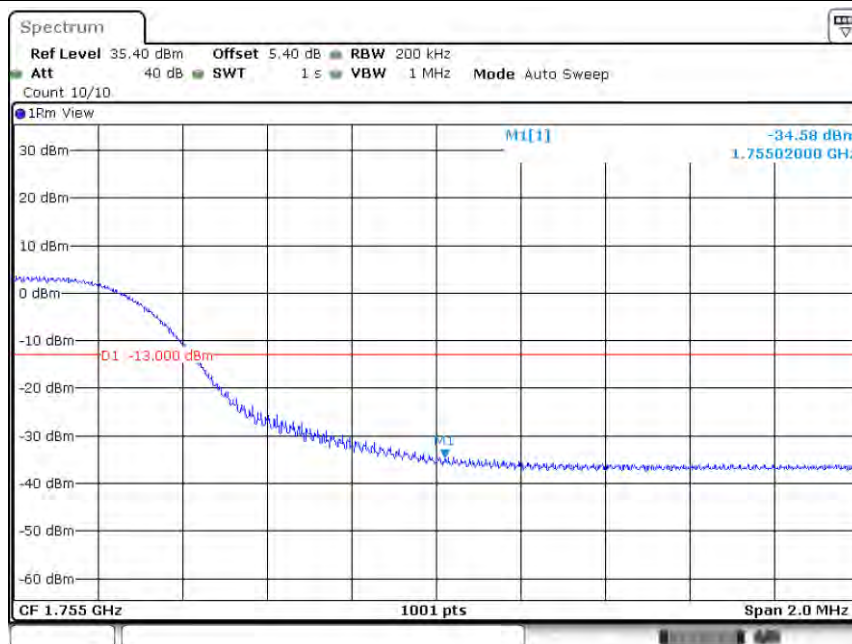


Date: 8.FEB.2021 20:36:40



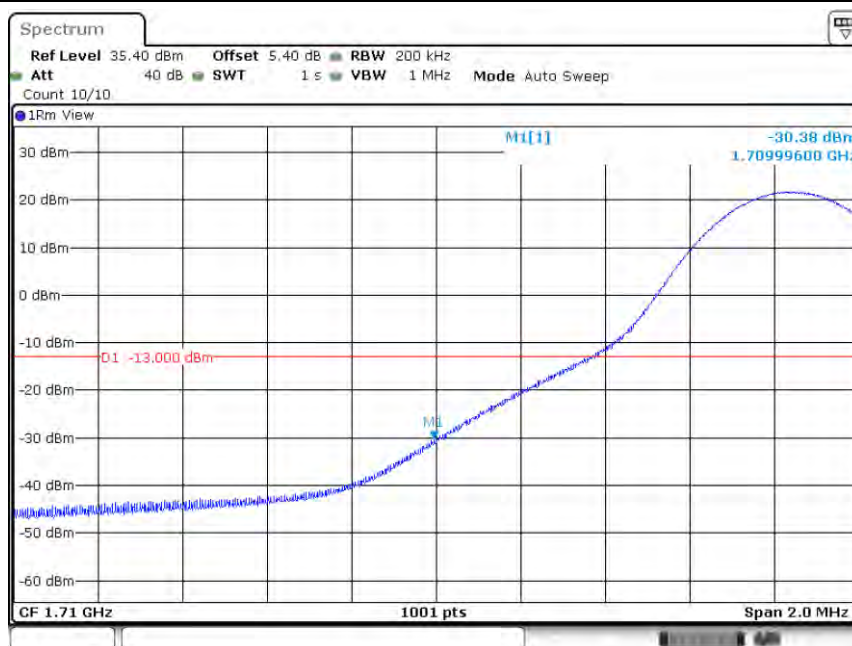


Band4-15MHz-64QAM-20325-75RB#0



Date: 8.FEB.2021 20:37:00

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



Date: 8.FEB.2021 17:57:39



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

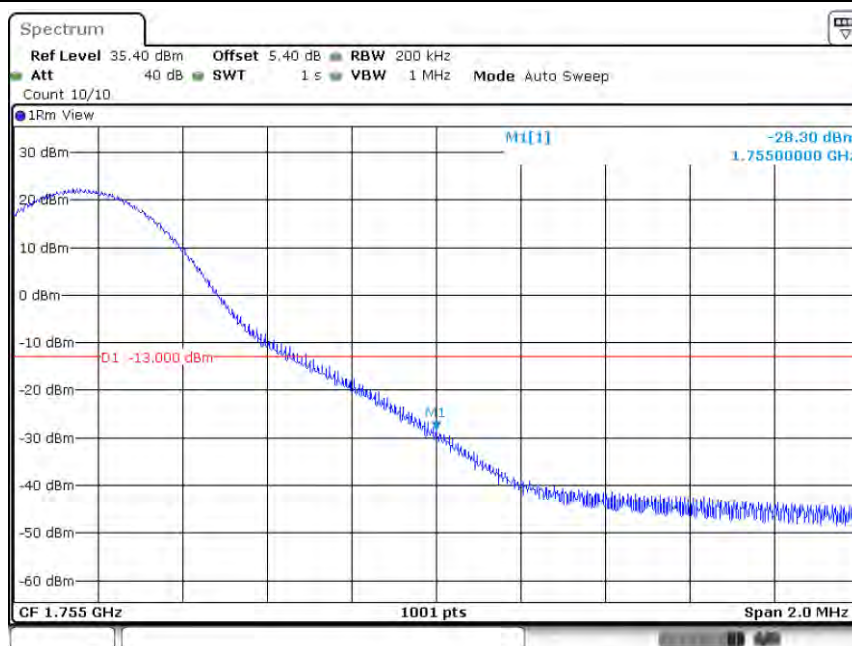


Band4-15MHz-16QAM-20025-75RB#0



Date: 8.FEB.2021 17:58:20

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



Date: 8.FEB.2021 17:59:06

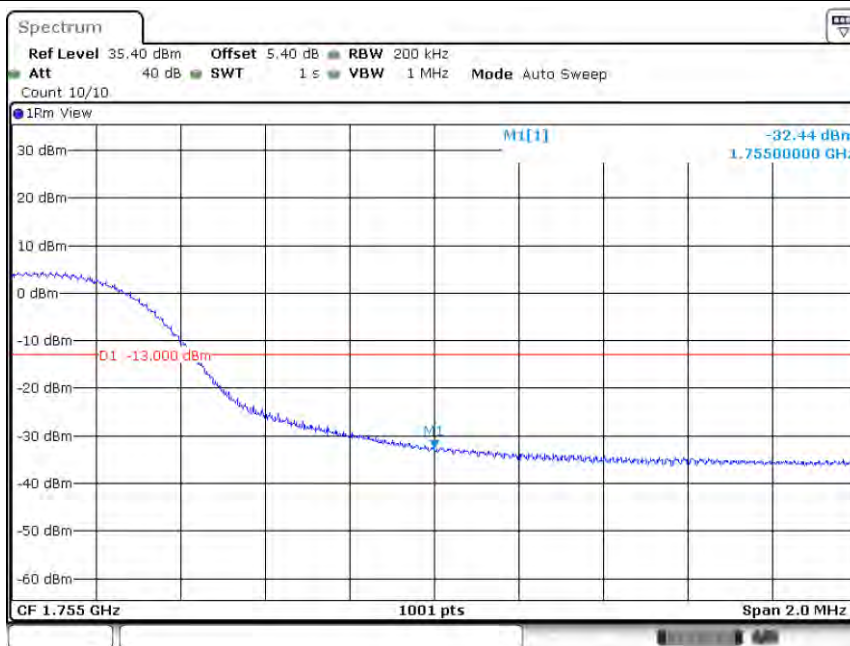


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

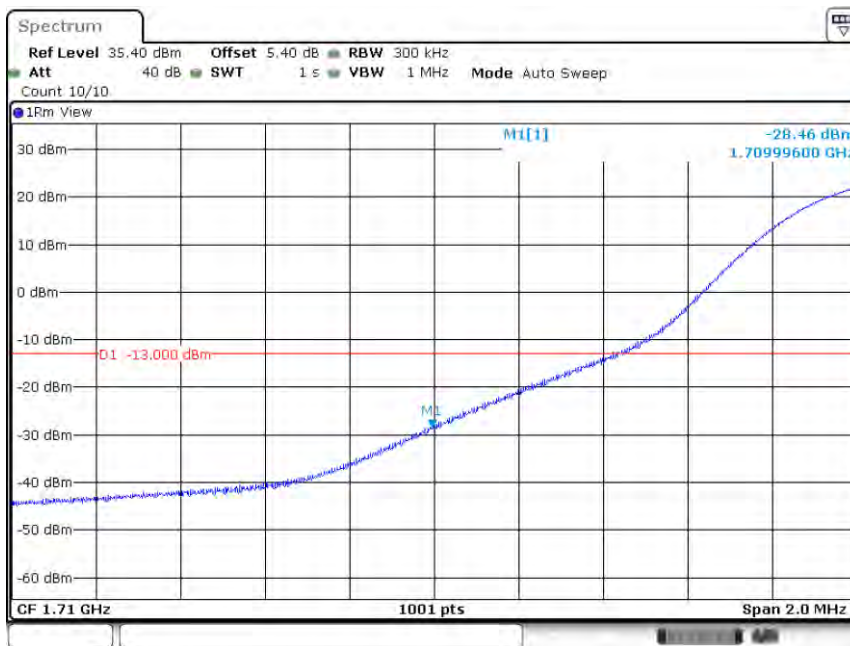


Band4-15MHz-16QAM-20325-75RB#0



Date: 8.FEB.2021 17:59:47

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



Date: 8.FEB.2021 18:00:13



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

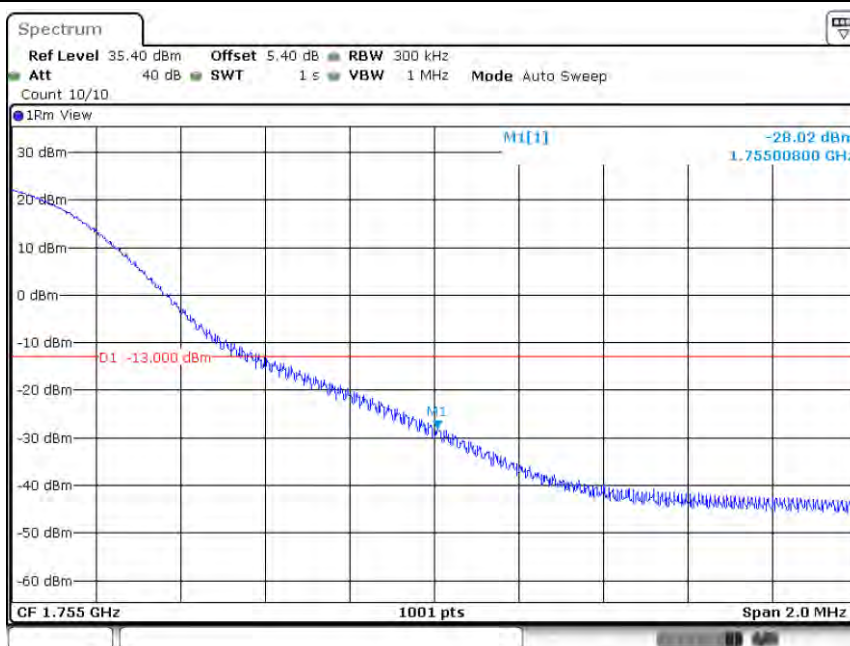


Band4-20MHz-QPSK-20050-100RB#0



Date: 8.FEB.2021 18:00:54

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



Date: 8.FEB.2021 18:01:40



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

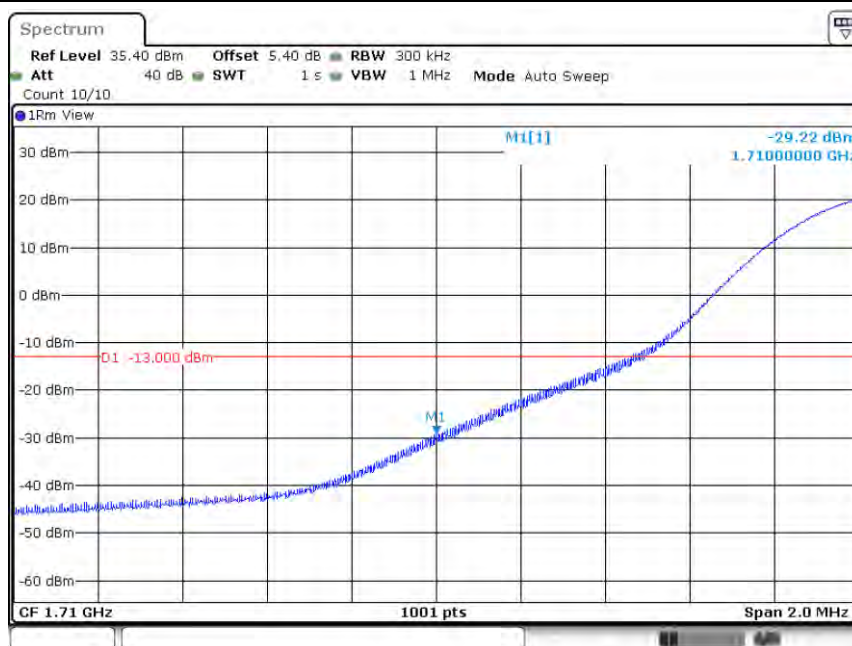


Band4-20MHz-QPSK-20300-100RB#0



Date: 8.FEB.2021 18:02:21

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



Date: 8.FEB.2021 20:37:28



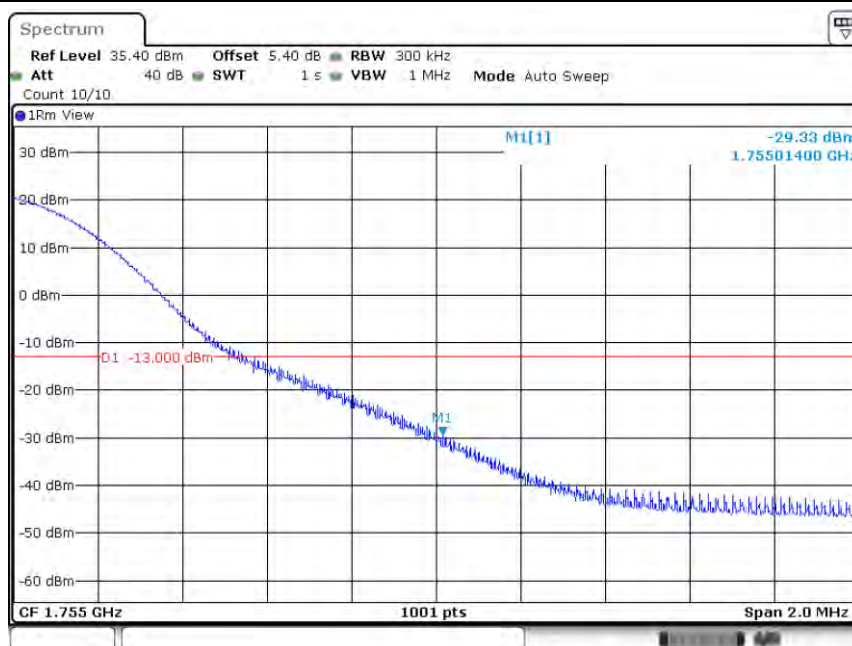


Band4-20MHz-64QAM-20050-100RB#0



Date: 8.FEB.2021 20:37:48

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



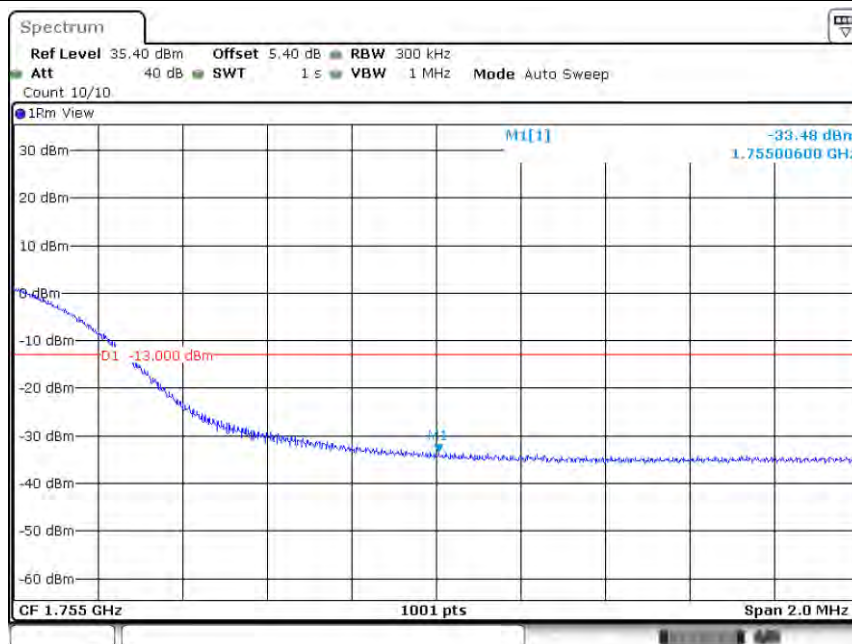
Date: 8.FEB.2021 20:38:14



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.

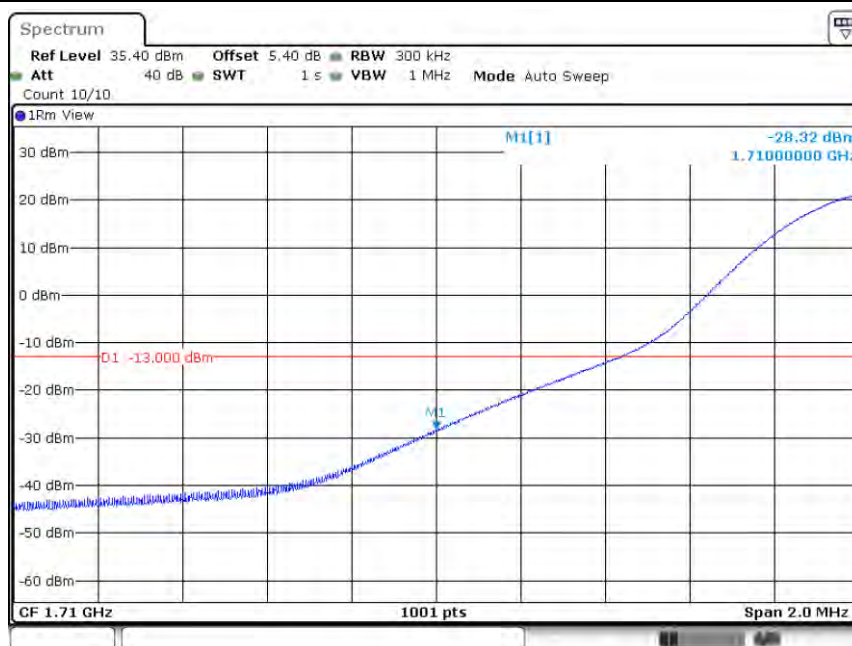
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8 FEB 2021 20:38:34

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



Date: 8 FEB 2021 18:00:34



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 on the back, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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 dispute. It is not to be used for any other purpose without the prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: CN Checkmark@sgs.com for authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1444.

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

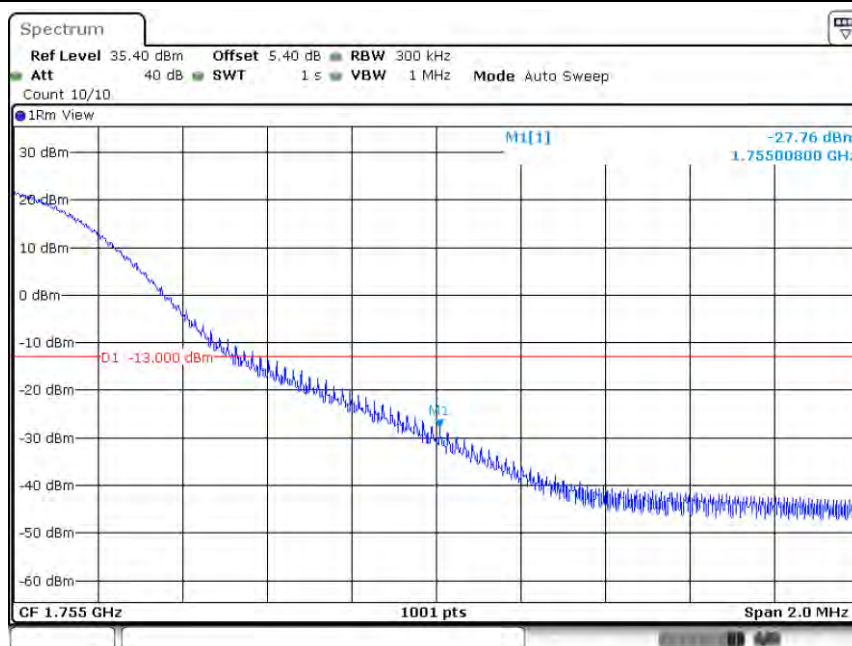


Band4-20MHz-16QAM-20050-100RB#0



Date: 8.FEB.2021 18:01:15

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



Date: 8.FEB.2021 18:02:00

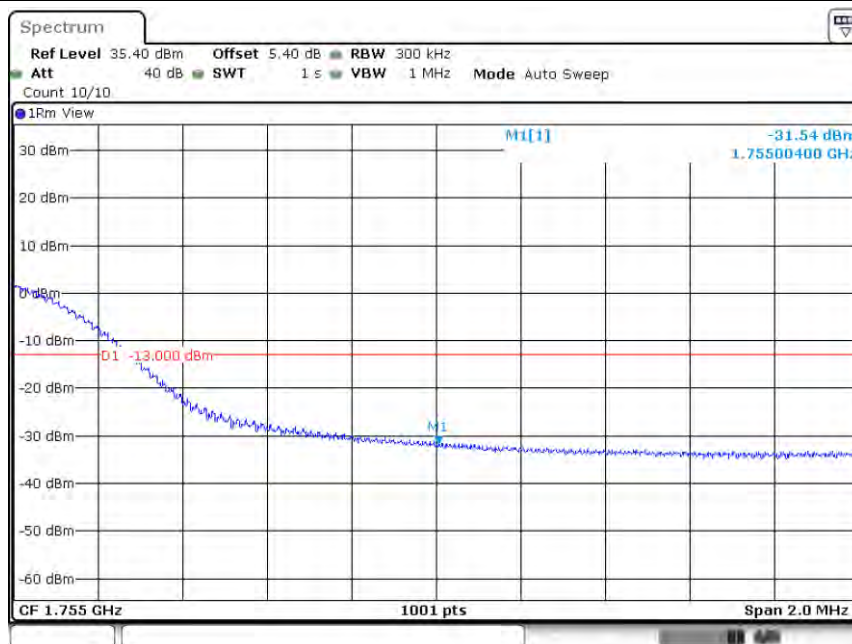


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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



Date: 8.FEB.2021 18:02:41



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

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

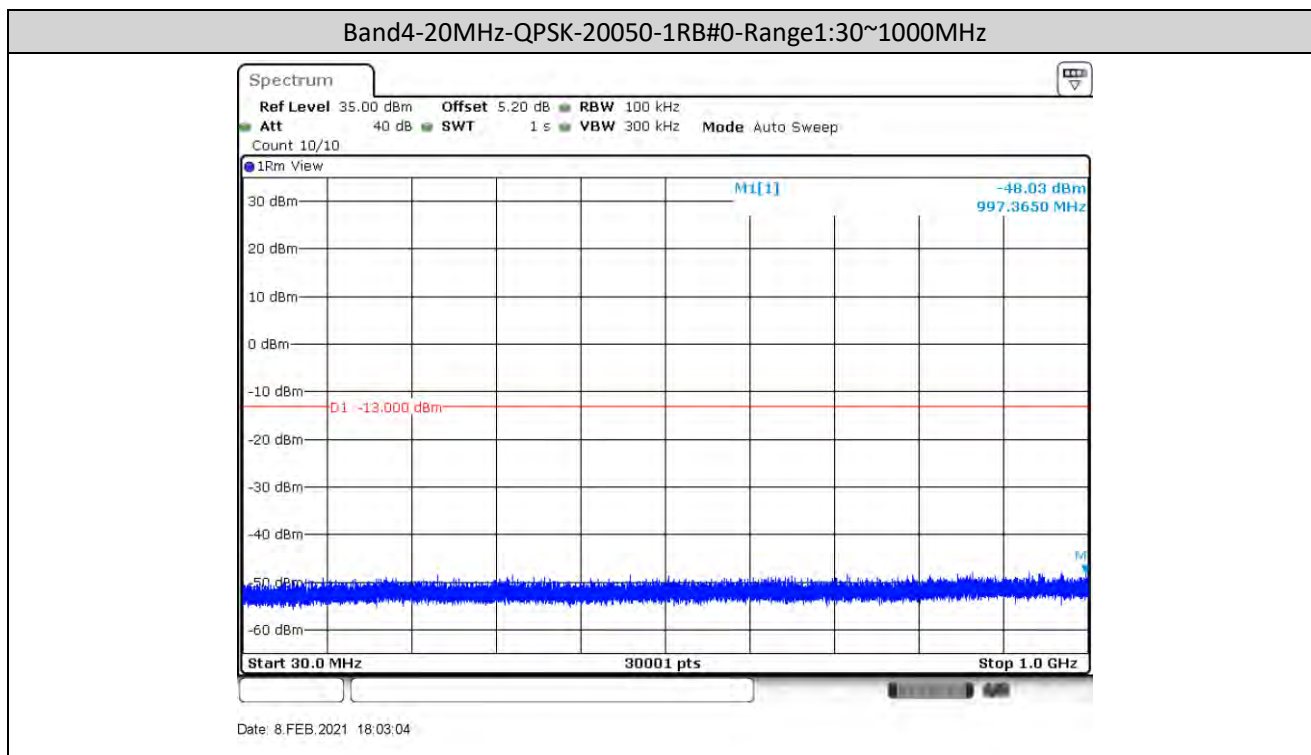
6. Spurious Emission at Antenna Terminal

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.

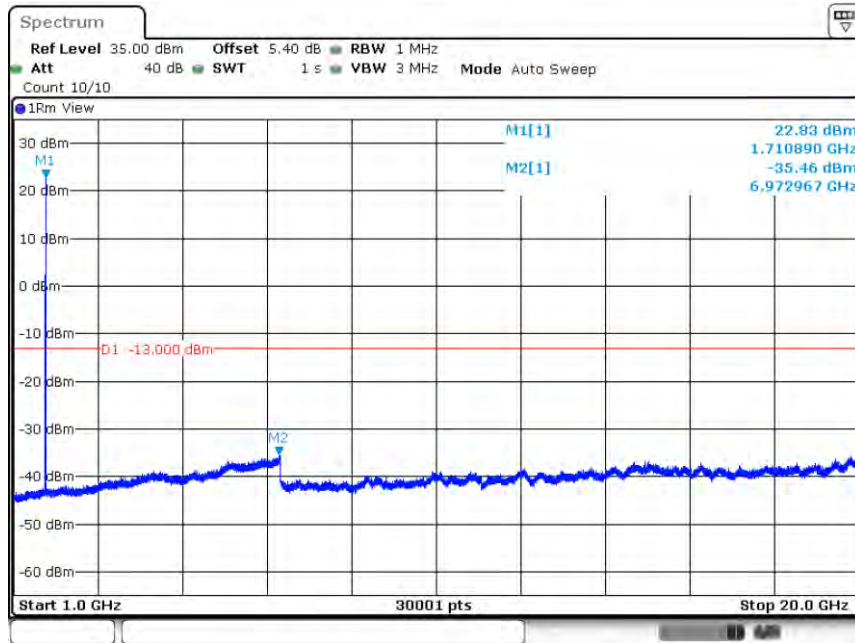
6.1. Test Plots



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

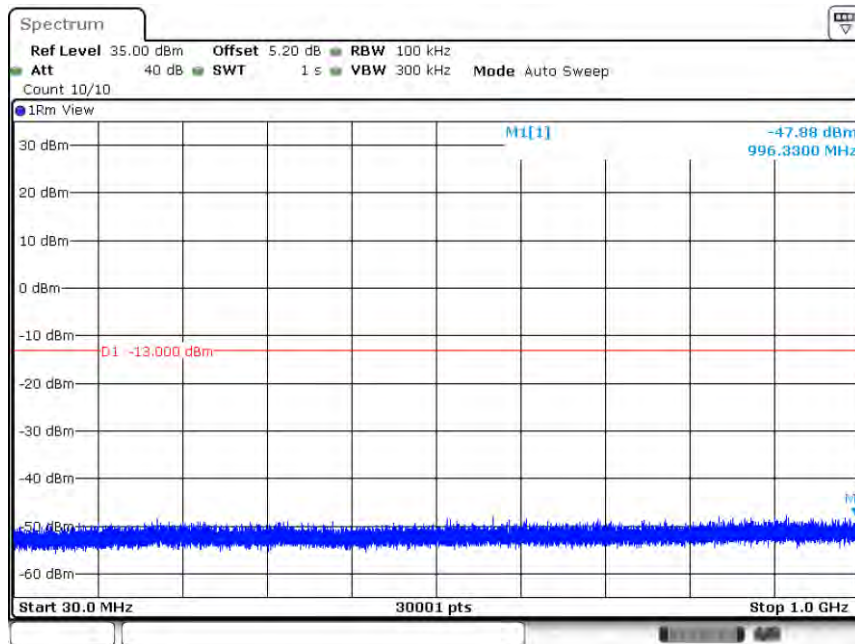
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8.FEB.2021 18:03:21

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



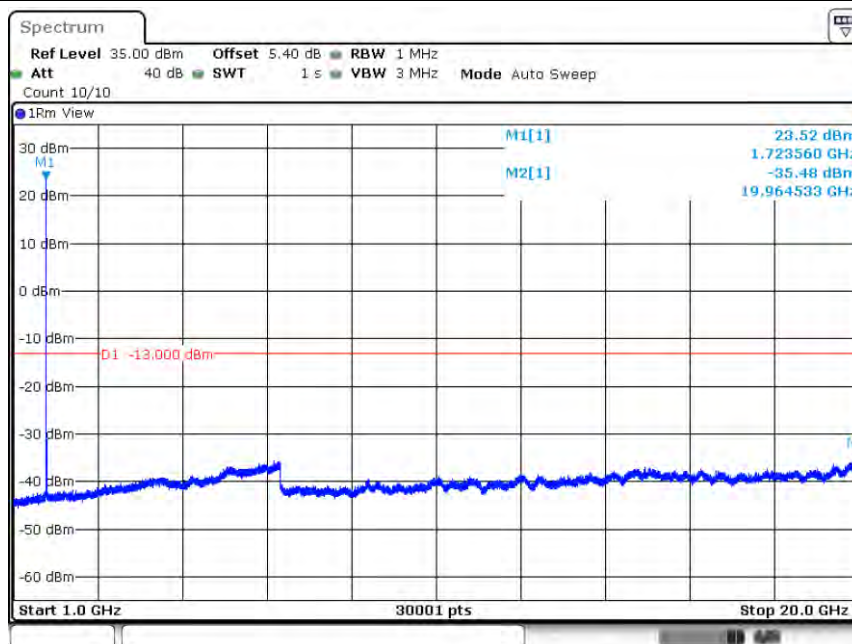
Date: 8.FEB.2021 18:04:14



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.

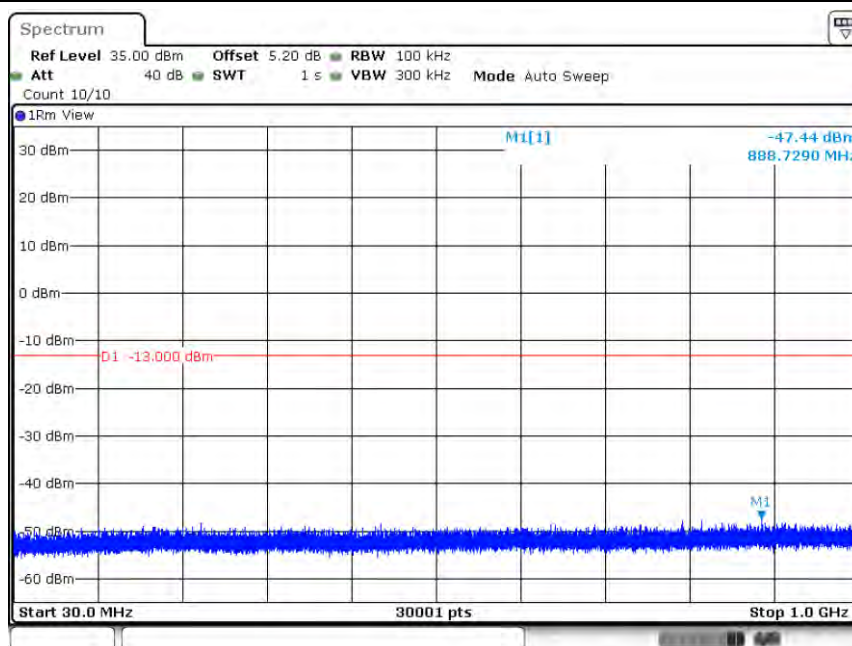
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8.FEB.2021 18:04:31

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



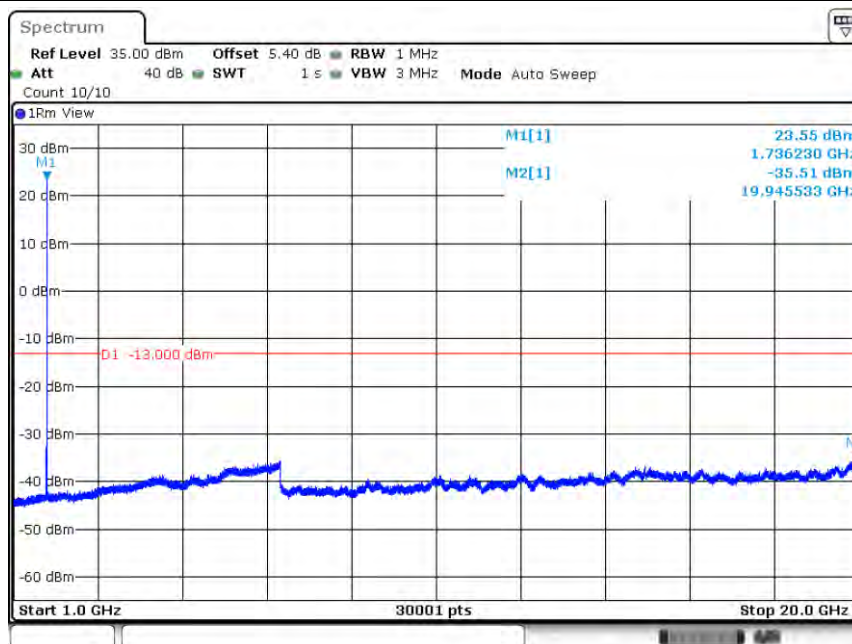
Date: 8.FEB.2021 18:05:24



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.

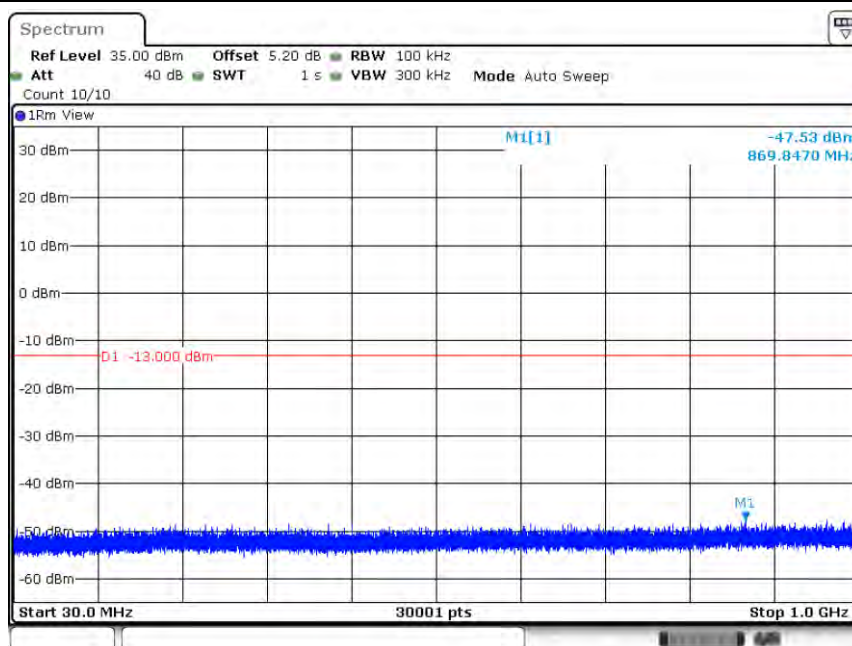
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8.FEB.2021 18:05:41

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



Date: 8.FEB.2021 20:38:58

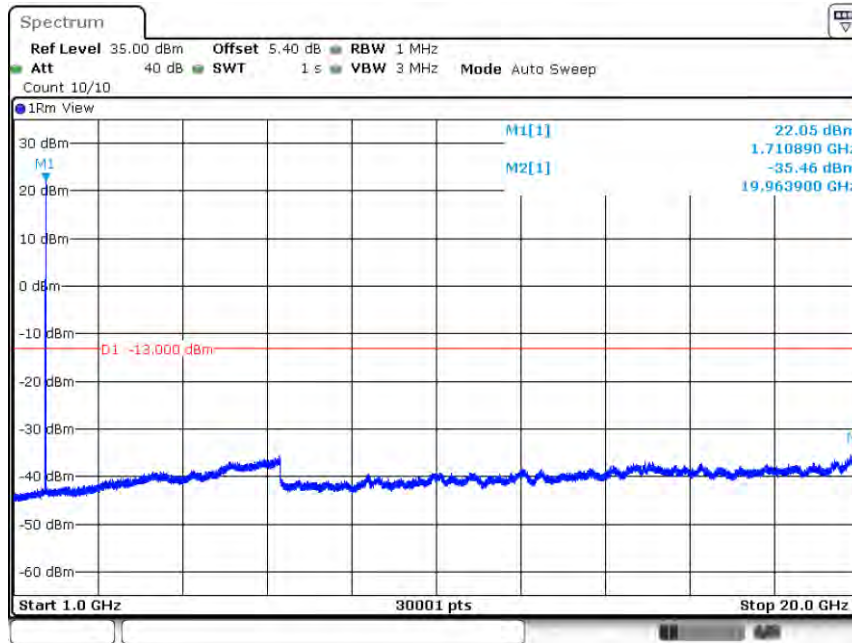


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

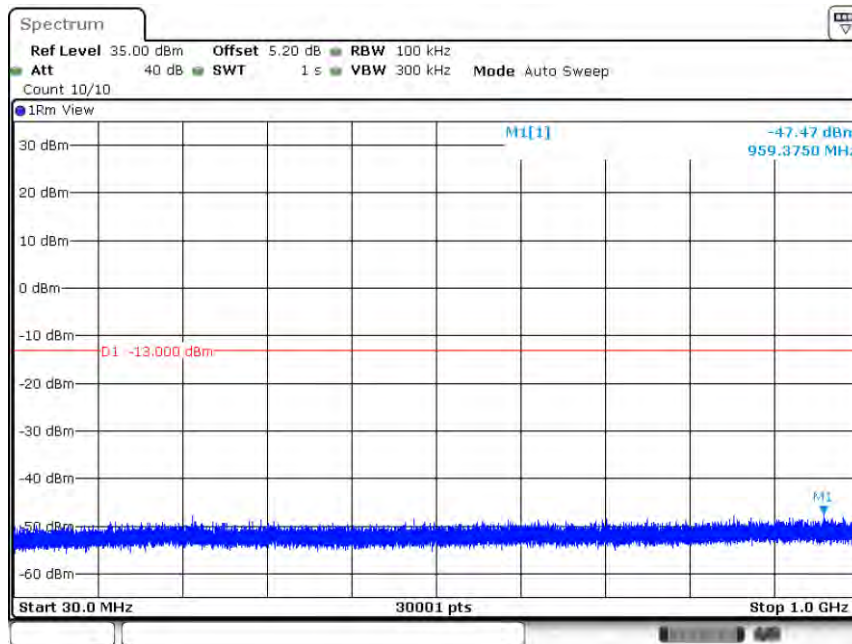
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 8.FEB.2021 20:39:15

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



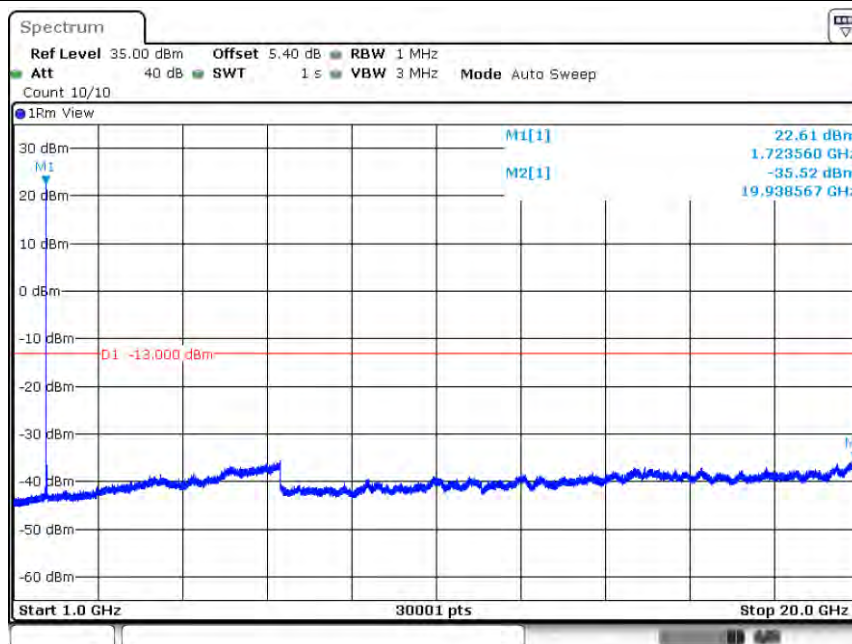
Date: 8.FEB.2021 20:39:33



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.

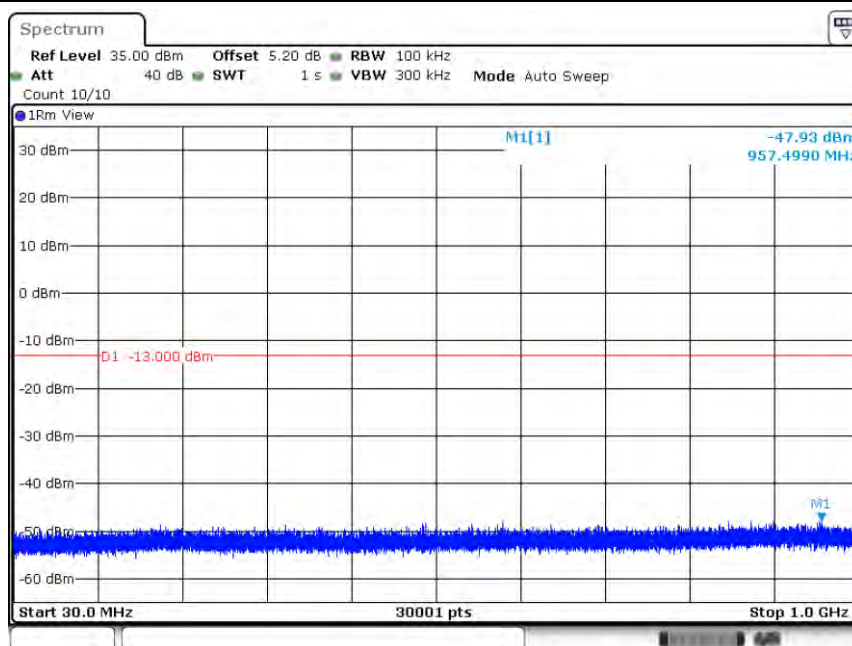
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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: 8.FEB.2021 20:39:50

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



Date: 8.FEB.2021 20:40:09

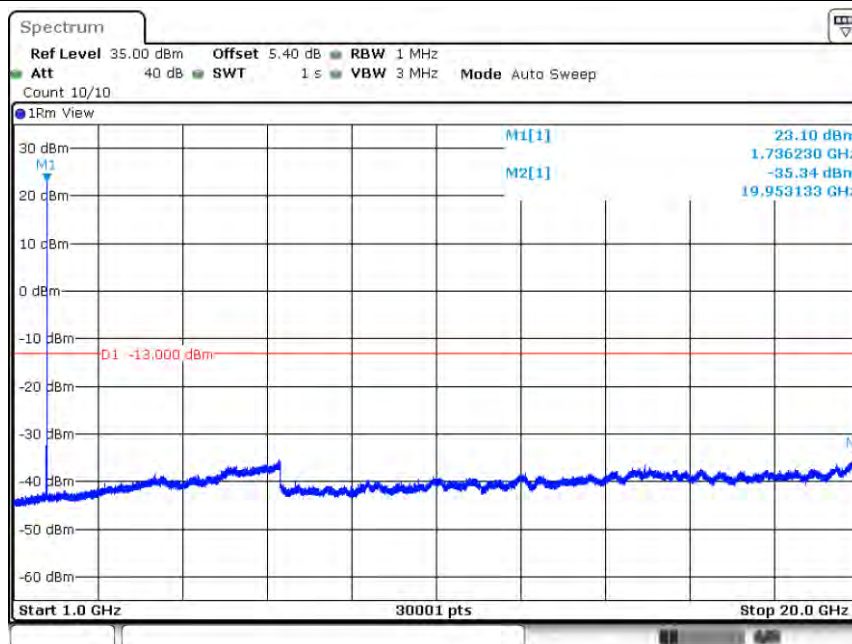


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

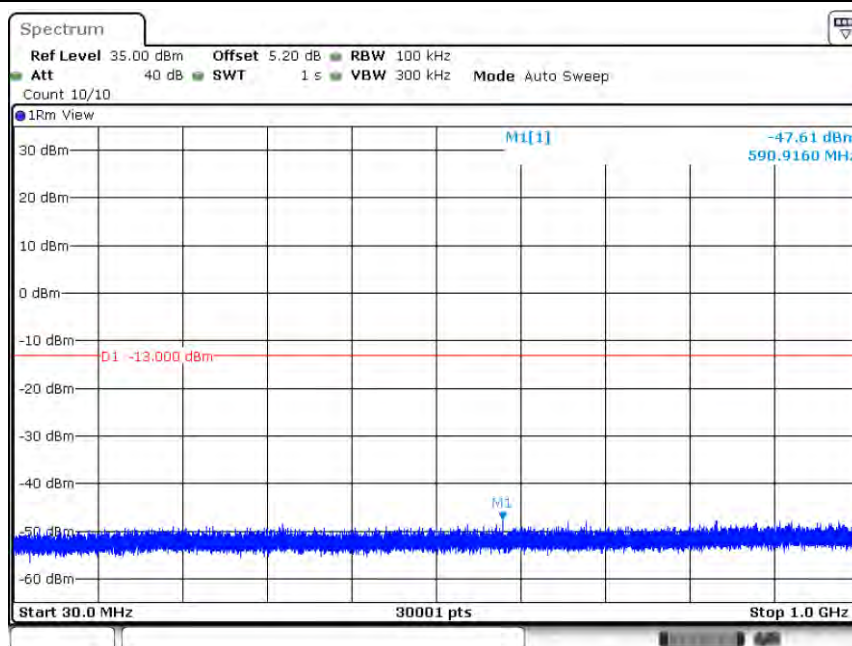


Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 8.FEB.2021 20:40:25

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



Date: 8.FEB.2021 18:03:39

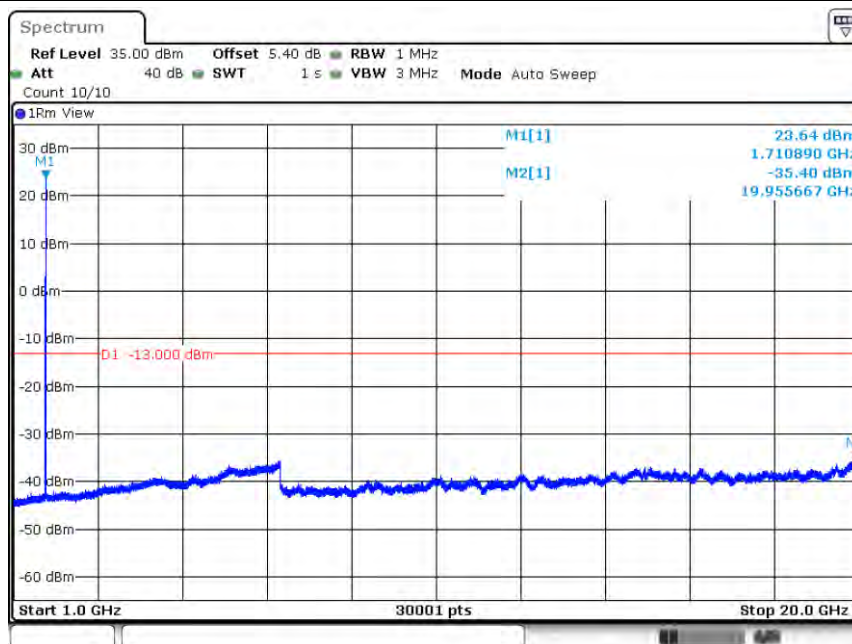


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

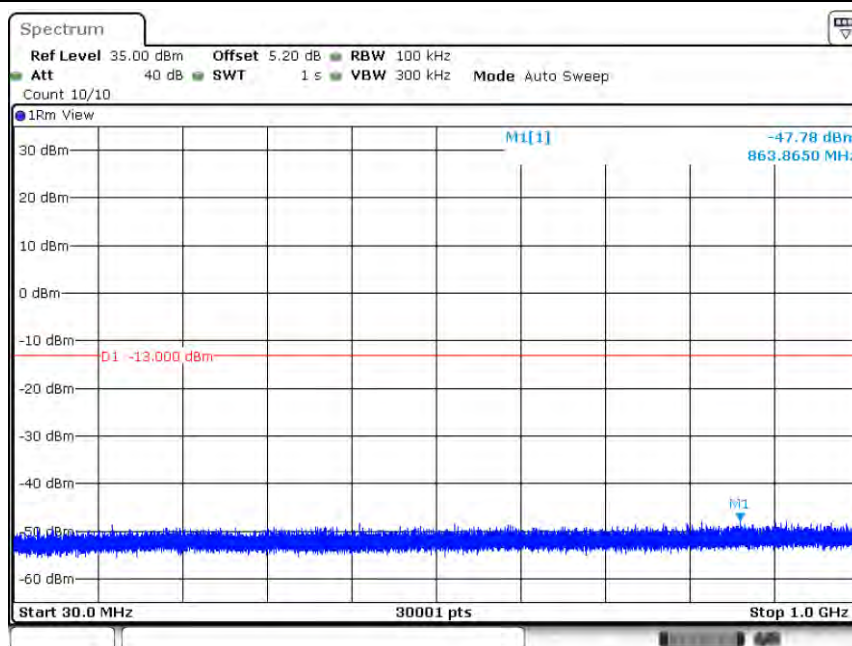
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 8.FEB.2021 18:03:55

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



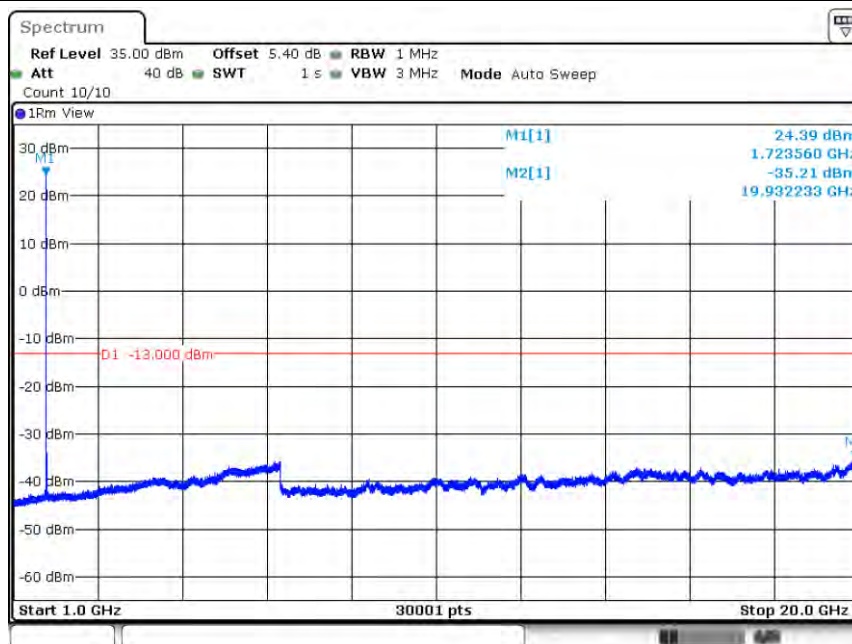
Date: 8.FEB.2021 18:04:49



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.

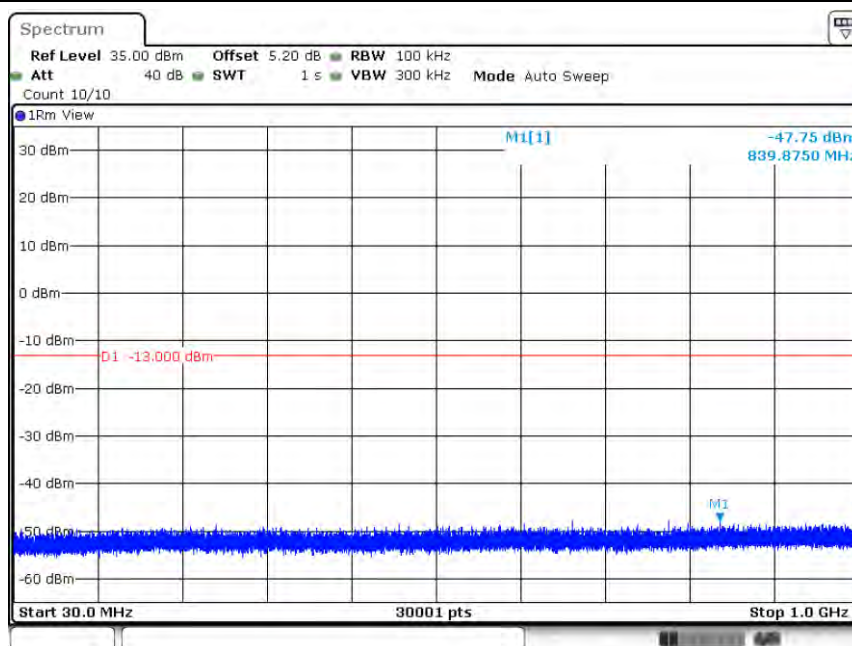
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 8.FEB.2021 18:05:06

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



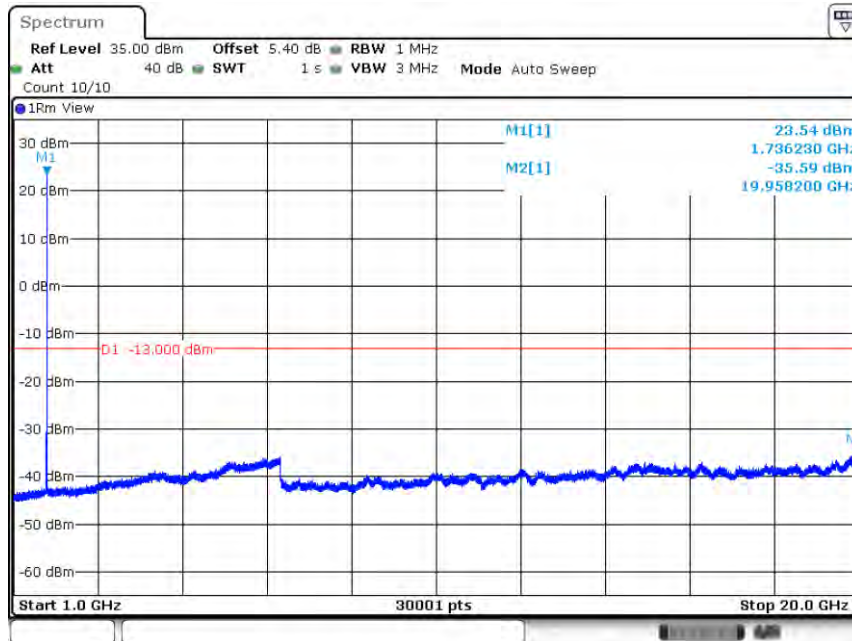
Date: 8.FEB.2021 18:05:59



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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-20300-1RB#0-Range2:1000~20000MHz



Date: 8.FEB.2021 18:06:16



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

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



7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_4_TM1

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.3196	-69.65	-62.77	-13.00	49.77	Horizontal
2	238.9484	-70.81	-68.02	-13.00	55.02	Horizontal
3	3422.0141	-37.37	-47.35	-13.00	34.35	Horizontal
4	5133.0711	-40.72	-47.37	-13.00	34.37	Horizontal
5	6844.1281	-29.01	-31.98	-13.00	18.98	Horizontal
6	8555.6852	-50.64	-49.19	-13.00	36.19	Horizontal



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

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



7.2. Test Band = LTE_4_TM1

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	110.7080	-70.90	-64.55	-13.00	51.55	Vertical
2	3422.0141	-29.87	-41.01	-13.00	28.01	Vertical
3	5133.5711	-35.46	-42.47	-13.00	29.47	Vertical
4	6844.6282	-27.05	-30.05	-13.00	17.05	Vertical
5	8555.6852	-52.24	-50.01	-13.00	37.01	Vertical
6	17994.499	-56.07	-38.33	-13.00	25.33	Vertical



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



7.3. Test Band = LTE_4_TM1

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.3681	-69.90	-63.02	-13.00	50.02	Horizontal
2	229.9755	-69.07	-66.24	-13.00	53.24	Horizontal
3	3447.0149	-38.81	-48.45	-13.00	35.45	Horizontal
4	5170.5724	-45.90	-52.60	-13.00	39.60	Horizontal
5	6894.6298	-30.42	-33.39	-13.00	20.39	Horizontal
6	16401.946	-57.26	-42.86	-13.00	29.86	Horizontal



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

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



7.4. Test Band = LTE_4_TM1

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.8004	-69.79	-71.46	-13.00	58.46	Vertical
2	109.5440	-71.16	-64.86	-13.00	51.86	Vertical
3	3447.0149	-32.08	-42.88	-13.00	29.88	Vertical
4	5170.5724	-39.45	-46.50	-13.00	33.50	Vertical
5	6894.1298	-29.29	-32.02	-13.00	19.02	Vertical
6	17999.000	-56.52	-38.67	-13.00	25.67	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_4_TM1

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.0472	-70.42	-63.50	-13.00	50.50	Horizontal
2	239.2880	-70.69	-67.90	-13.00	54.90	Horizontal
3	3472.0157	-35.84	-45.15	-13.00	32.15	Horizontal
4	5208.0736	-40.05	-46.83	-13.00	33.83	Horizontal
5	6944.1315	-29.41	-31.89	-13.00	18.89	Horizontal
6	8680.6894	-52.37	-49.61	-13.00	36.61	Horizontal



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

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



7.6. Test Band = LTE_4_TM1

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	109.3985	-70.71	-64.44	-13.00	51.44	Vertical
2	3472.0157	-29.47	-39.92	-13.00	26.92	Vertical
3	5208.0736	-32.61	-39.75	-13.00	26.75	Vertical
4	6944.1315	-26.89	-29.43	-13.00	16.43	Vertical
5	10416.747	-53.66	-46.87	-13.00	33.87	Vertical
6	17987.499	-56.81	-39.24	-13.00	26.24	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 above 18GHz and 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 / 深圳分公司 / 实验室

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	0.90	0.000523	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	0.80	0.000465	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-1.60	-0.000930	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.30	0.000173	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-2.70	-0.001558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	1.00	0.000573	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	1.20	0.000688	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	0.50	0.000291	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	-0.90	-0.000523	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	0.70	0.000404	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	-2.40	-0.001385	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	1.80	0.001032	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	1.10	0.000630	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-3.70	-0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-4.30	-0.002500	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	0.60	0.000349	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-3.40	-0.001962	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-3.20	-0.001847	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	0.50	0.000287	±2.5	PASS





8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-2.00	-0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	-0.70	-0.000407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-0.30	-0.000174	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	0.40	0.000233	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-0.70	-0.000407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-1.80	-0.001039	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.50	0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-2.50	-0.001443	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.70	0.000981	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	0.30	0.000172	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	0.50	0.000287	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	1.20	0.000688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	0.80	0.000458	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	-2.60	-0.001512	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	-0.20	-0.000116	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	2.20	0.001279	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	2.40	0.001395	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	-1.80	-0.001047	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	0.60	0.000349	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	-2.90	-0.001686	±2.5	PASS





Band4	20MHz	64QAM	20050	100RB#0	NV	40	-0.30	-0.000174	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	-0.40	-0.000233	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	0.10	0.000058	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	-3.50	-0.002020	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	-3.20	-0.001847	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	-4.40	-0.002540	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	0.10	0.000058	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-1.60	-0.000924	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-1.60	-0.000917	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	1.10	0.000630	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	1.90	0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	0.40	0.000229	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	1.60	0.000917	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	0.90	0.000516	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-1.10	-0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	-0.30	-0.000174	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-0.80	-0.000465	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-1.20	-0.000698	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	1.00	0.000581	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-2.40	-0.001395	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-1.90	-0.001105	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	1.60	0.000930	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-2.20	-0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-2.80	-0.001616	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-1.90	-0.001097	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-2.00	-0.001154	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-2.60	-0.001501	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.10	0.000058	±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	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	1.10	0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	1.10	0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	0.70	0.000401	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-3.90	-0.002235	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-1.00	-0.000573	±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