



Appendix B

E-UTRA Band 4



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

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



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1.	TEST RESULT	3
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 RESULT	52
5.2.	TEST PLOTS	54
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	91
6.1.	TEST PLOTS	91
7.	FIELD STRENGTH OF SPURIOUS RADIATION	101
7.1.	TEST MODE =LTE/TM1 20MHZ	101
7.1.1.	TEST CHANNEL = LCH	101
7.1.2.	TEST CHANNEL = MCH	101
7.1.3.	TEST CHANNEL = HCH	102
8.	FREQUENCY STABILITY	103
8.1.	FREQUENCY VS VOLTAGE	103
8.2.	FREQUENCY VS TEMPERATURE	104



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

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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.69	20.39	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.57	20.27	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.53	20.23	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.66	20.36	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.66	20.36	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.59	20.29	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.59	19.29	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.77	20.47	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.72	20.42	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.56	20.26	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.63	20.33	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.76	20.46	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.62	20.32	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.66	19.36	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.59	20.29	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.52	20.22	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.45	20.15	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.49	20.19	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.56	20.26	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.52	20.22	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.51	19.21	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.70	18.40	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.81	18.51	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.80	18.50	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.49	18.19	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.56	18.26	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.46	18.16	30	PASS



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

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



Band4	1.4MHz	64QAM	19957	6RB#0	19.56	17.26	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.82	18.52	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.89	18.59	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.83	18.53	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.57	18.27	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.57	18.27	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.53	18.23	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.62	17.32	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.70	18.40	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.77	18.47	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.65	18.35	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.47	18.17	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.44	18.14	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.34	18.04	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.46	17.16	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.88	19.58	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.95	19.65	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.93	19.63	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.62	19.32	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.67	19.37	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.57	19.27	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.71	18.41	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.97	19.67	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.01	19.71	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.97	19.67	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.67	19.37	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.69	19.39	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.64	19.34	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.74	18.44	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.82	19.52	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.88	19.58	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.80	19.50	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.57	19.27	30	PASS



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

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



Band4	1.4MHz	16QAM	20393	3RB#1	21.54	19.24	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.48	19.18	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.57	18.27	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.81	20.51	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.65	20.35	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.57	20.27	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.71	19.41	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.71	19.41	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.65	19.35	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.63	19.33	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	20.65	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.74	20.44	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.69	20.39	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.73	19.43	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.74	19.44	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.70	19.40	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.68	19.38	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.68	20.38	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.62	20.32	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.51	20.21	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.58	19.28	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.58	19.28	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.56	19.26	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.55	19.25	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.78	18.48	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.80	18.50	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.82	18.52	30	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.48	18.18	30	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.57	18.27	30	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.42	18.12	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.56	17.26	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.82	18.52	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.91	18.61	30	PASS



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

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



Band4	3MHz	64QAM	20175	1RB#14	20.84	18.54	30	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.54	18.24	30	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.56	18.26	30	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.50	18.20	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.61	17.31	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.71	18.41	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.74	18.44	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.68	18.38	30	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.45	18.15	30	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.41	18.11	30	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.33	18.03	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.43	17.13	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.07	19.77	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.95	19.65	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.91	19.61	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.74	18.44	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.72	18.42	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.67	18.37	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.72	18.42	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.04	19.74	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.98	19.68	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.99	19.69	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.80	18.50	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.81	18.51	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.74	18.44	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.72	18.42	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.98	19.68	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.90	19.60	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.80	19.50	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.65	18.35	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.66	18.36	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.59	18.29	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.59	18.29	30	PASS



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

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



Band4	5MHz	QPSK	19975	1RB#0	22.88	20.58	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.70	20.40	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.58	20.28	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.74	19.44	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.65	19.35	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.60	19.30	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.69	19.39	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.98	20.68	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.73	20.43	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.63	20.33	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.79	19.49	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.74	19.44	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.67	19.37	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.74	19.44	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.77	20.47	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.55	20.25	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.55	20.25	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.63	19.33	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.58	19.28	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.56	19.26	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.60	19.30	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.69	18.39	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.82	18.52	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.82	18.52	30	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.44	18.14	30	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.54	18.24	30	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.41	18.11	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.58	17.28	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.81	18.51	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.85	18.55	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.84	18.54	30	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.50	18.20	30	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.51	18.21	30	PASS



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

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



Band4	5MHz	64QAM	20175	12RB#13	20.51	18.21	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.57	17.27	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.67	18.37	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.78	18.48	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.69	18.39	30	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.44	18.14	30	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.42	18.12	30	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.35	18.05	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.45	17.15	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.09	19.79	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.94	19.64	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.89	19.59	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.74	18.44	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.68	18.38	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.66	18.36	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.71	18.41	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.19	19.89	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.02	19.72	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.97	19.67	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.79	18.49	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.80	18.50	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.71	18.41	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.77	18.47	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.00	19.70	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.93	19.63	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.81	19.51	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.70	18.40	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.61	18.31	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.61	18.31	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.61	18.31	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.99	20.69	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.65	20.35	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.90	20.60	30	PASS



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

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



Band4	10MHz	QPSK	20000	25RB#0	21.69	19.39	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.64	19.34	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.75	19.45	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.66	19.36	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.01	20.71	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.68	20.38	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.93	20.63	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.71	19.41	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.74	19.44	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.74	19.44	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.74	19.44	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.02	20.72	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.55	20.25	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.80	20.50	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.67	19.37	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.61	19.31	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.63	19.33	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.65	19.35	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.69	18.39	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.79	18.49	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.76	18.46	30	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.47	18.17	30	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.53	18.23	30	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.41	18.11	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.54	17.24	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.77	18.47	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.83	18.53	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.80	18.50	30	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.51	18.21	30	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.56	18.26	30	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.50	18.20	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.64	17.34	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.70	18.40	30	PASS



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

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



Band4	10MHz	64QAM	20350	1RB#24	20.76	18.46	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.63	18.33	30	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.47	18.17	30	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.37	18.07	30	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.37	18.07	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.39	17.09	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.10	19.80	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.80	19.50	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.07	19.77	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.71	18.41	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.66	18.36	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.73	18.43	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.71	18.41	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.14	19.84	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.91	19.61	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.12	19.82	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.69	18.39	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.72	18.42	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.73	18.43	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.77	18.47	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.10	19.80	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.82	19.52	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.09	19.79	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.66	18.36	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.62	18.32	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.64	18.34	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.65	18.35	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.05	20.75	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.70	20.40	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.97	20.67	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.71	19.41	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.73	19.43	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.71	19.41	30	PASS



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

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



Band4	15MHz	QPSK	20025	75RB#0	21.75	19.45	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.93	20.63	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.77	20.47	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.02	20.72	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.80	19.50	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.83	19.53	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.85	19.55	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.84	19.54	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.94	20.64	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.67	20.37	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.96	20.66	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.74	19.44	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.65	19.35	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.69	19.39	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.70	19.40	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.77	18.47	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.85	18.55	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.83	18.53	30	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.45	18.15	30	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.53	18.23	30	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.41	18.11	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.51	17.21	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.87	18.57	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.91	18.61	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.79	18.49	30	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.51	18.21	30	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.52	18.22	30	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.44	18.14	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.57	17.27	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.68	18.38	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.78	18.48	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.63	18.33	30	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.37	18.07	30	PASS



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

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



Band4	15MHz	64QAM	20325	36RB#18	20.43	18.13	30	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.29	17.99	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.38	17.08	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.25	19.95	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.95	19.65	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.26	19.96	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.73	18.43	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.74	18.44	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.71	18.41	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.76	18.46	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.26	19.96	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.10	19.80	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.39	20.09	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.81	18.51	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.85	18.55	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.83	18.53	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.87	18.57	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.25	19.95	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.98	19.68	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.27	19.97	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.74	18.44	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.72	18.42	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.71	18.41	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.70	18.40	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.79	20.49	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.65	20.35	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.89	20.59	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.76	19.46	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.71	19.41	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.86	19.56	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.87	19.57	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.78	20.48	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.80	20.50	30	PASS



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

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



Band4	20MHz	QPSK	20175	1RB#99	22.99	20.69	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.87	19.57	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.86	19.56	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.88	19.58	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.92	19.62	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.81	20.51	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.61	20.31	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.78	20.48	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.72	19.42	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.75	19.45	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.76	19.46	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.82	19.52	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.68	18.38	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.80	18.50	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.83	18.53	30	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.48	18.18	30	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.48	18.18	30	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.37	18.07	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.51	17.21	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.79	18.49	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.87	18.57	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.86	18.56	30	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.52	18.22	30	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.51	18.21	30	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.44	18.14	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.59	17.29	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.71	18.41	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.73	18.43	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.62	18.32	30	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.44	18.14	30	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.39	18.09	30	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.28	17.98	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.40	17.10	30	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	20050	1RB#0	22.06	19.76	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.91	19.61	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.15	19.85	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.76	18.46	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.72	18.42	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.89	18.59	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.88	18.58	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.17	19.87	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.08	19.78	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.35	20.05	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.89	18.59	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.86	18.56	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.88	18.58	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.93	18.63	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.11	19.81	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.00	19.70	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.14	19.84	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.73	18.43	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.74	18.44	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.76	18.46	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.79	18.49	30	PASS

Remark:

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

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

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



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

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

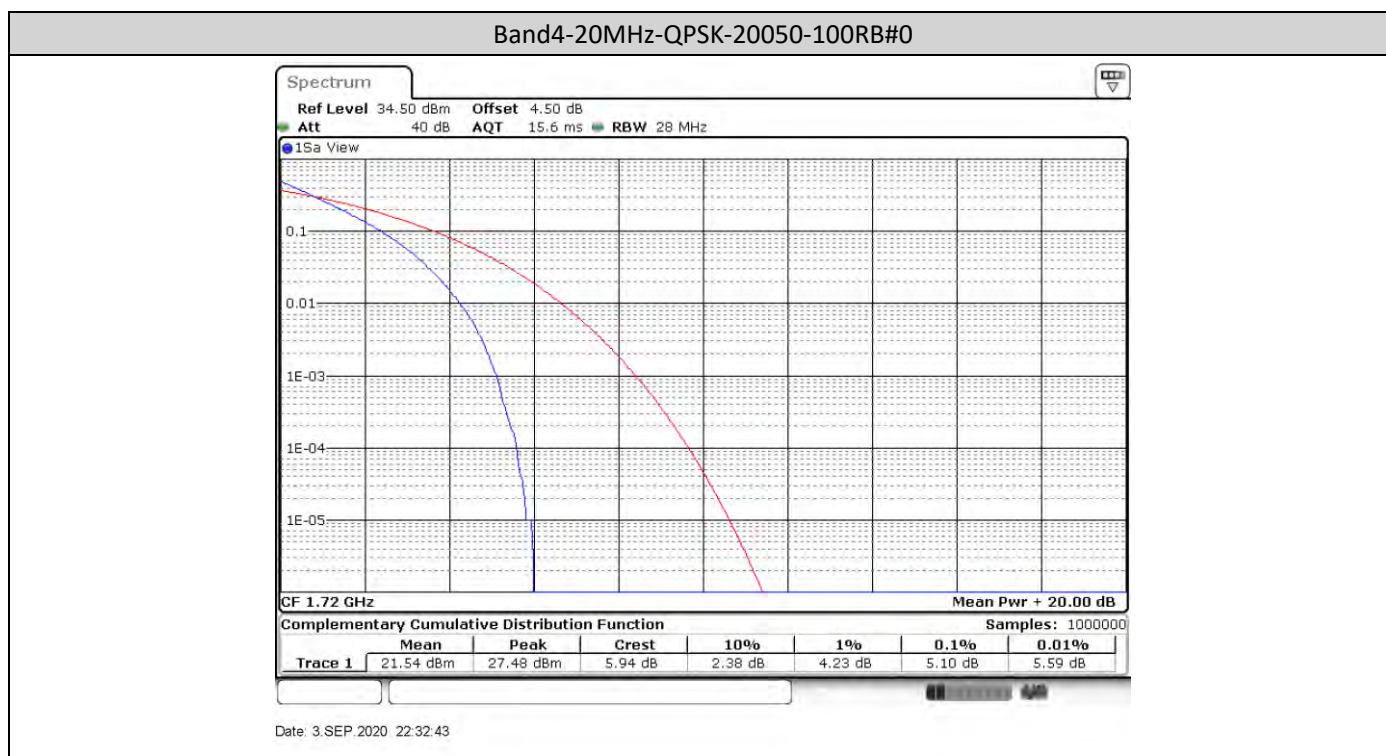


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.07	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.25	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.06	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.12	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.20	13	PASS

2.2. Test Plots



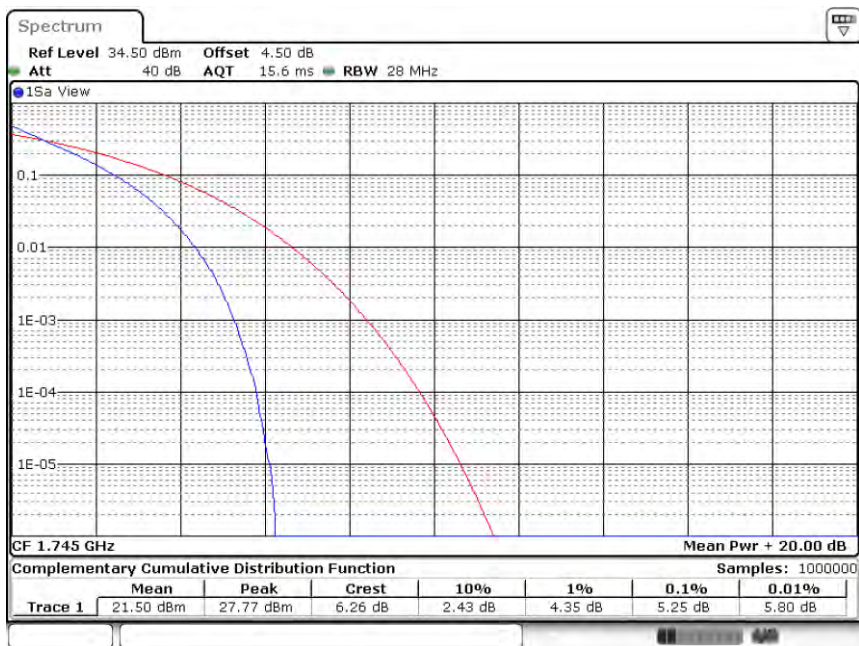


Band4-20MHz-QPSK-20175-100RB#0



Date: 3.SEP.2020 22:33:13

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



Date: 3.SEP.2020 22:33:36

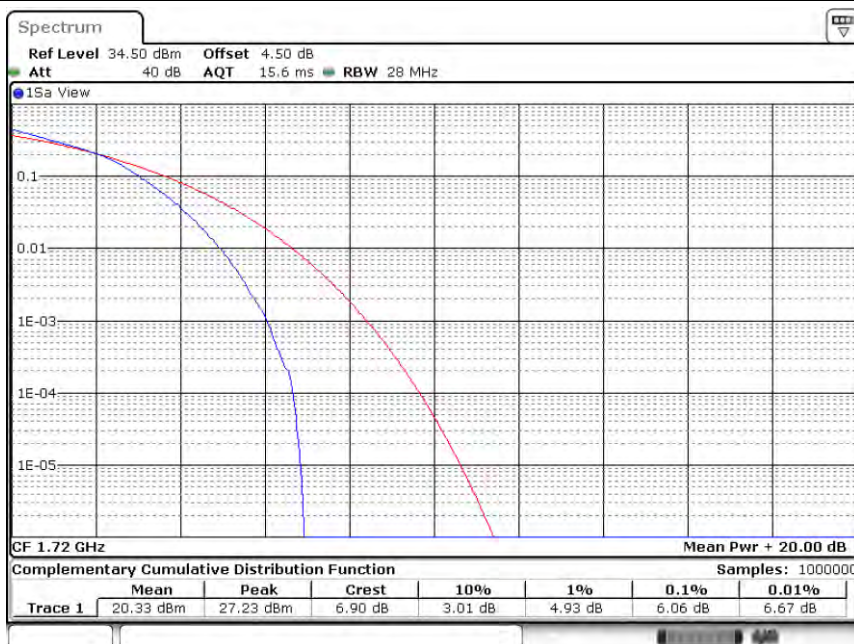


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

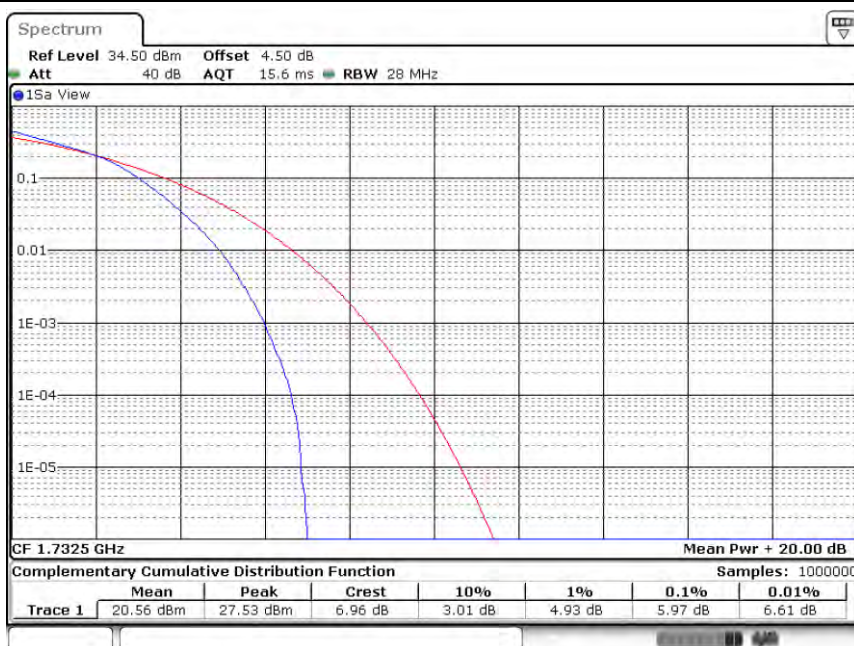


Band4-20MHz-64QAM-20050-100RB#0



Date: 4.SEP.2020 00:08:50

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



Date: 4.SEP.2020 00:09:01



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

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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@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: 4.SEP 2020 00:09:13

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



Date: 3.SEP 2020 22:33:02



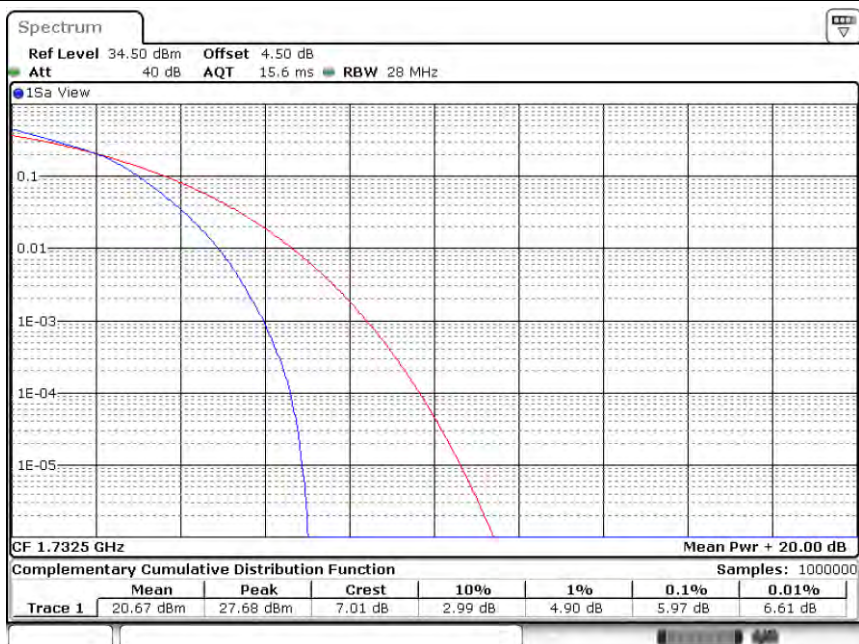
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

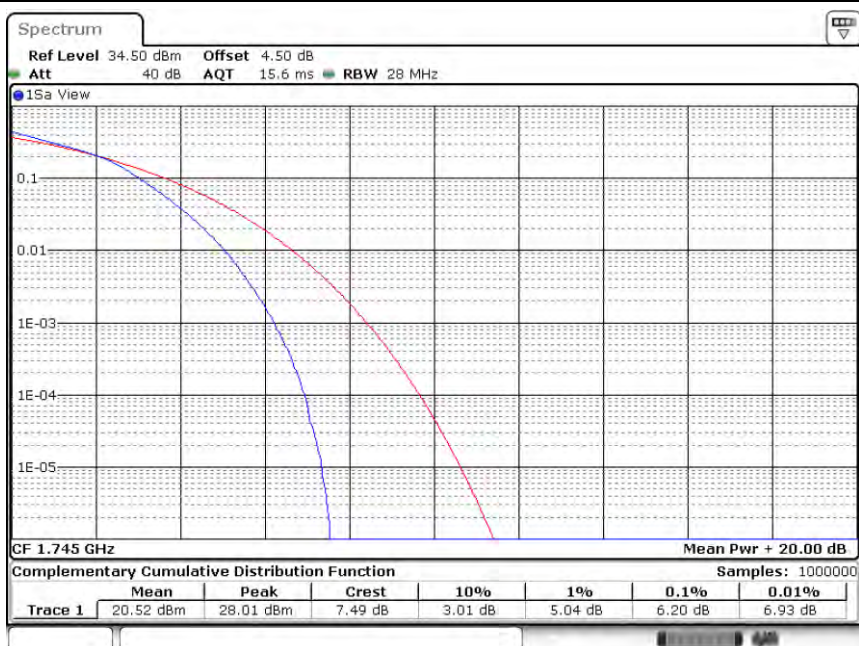


Band4-20MHz-16QAM-20175-100RB#0



Date: 3.SEP 2020 22:33:24

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



Date: 3.SEP 2020 22:33:47



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

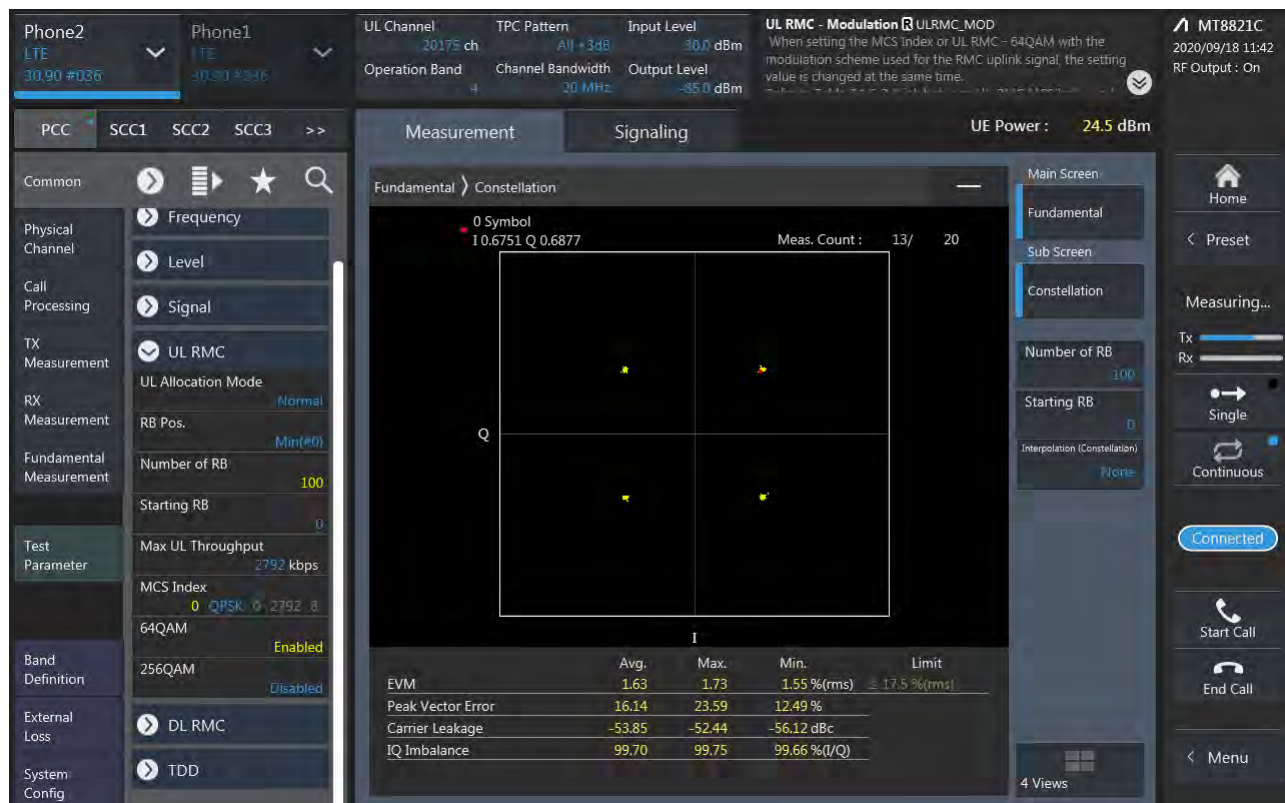
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

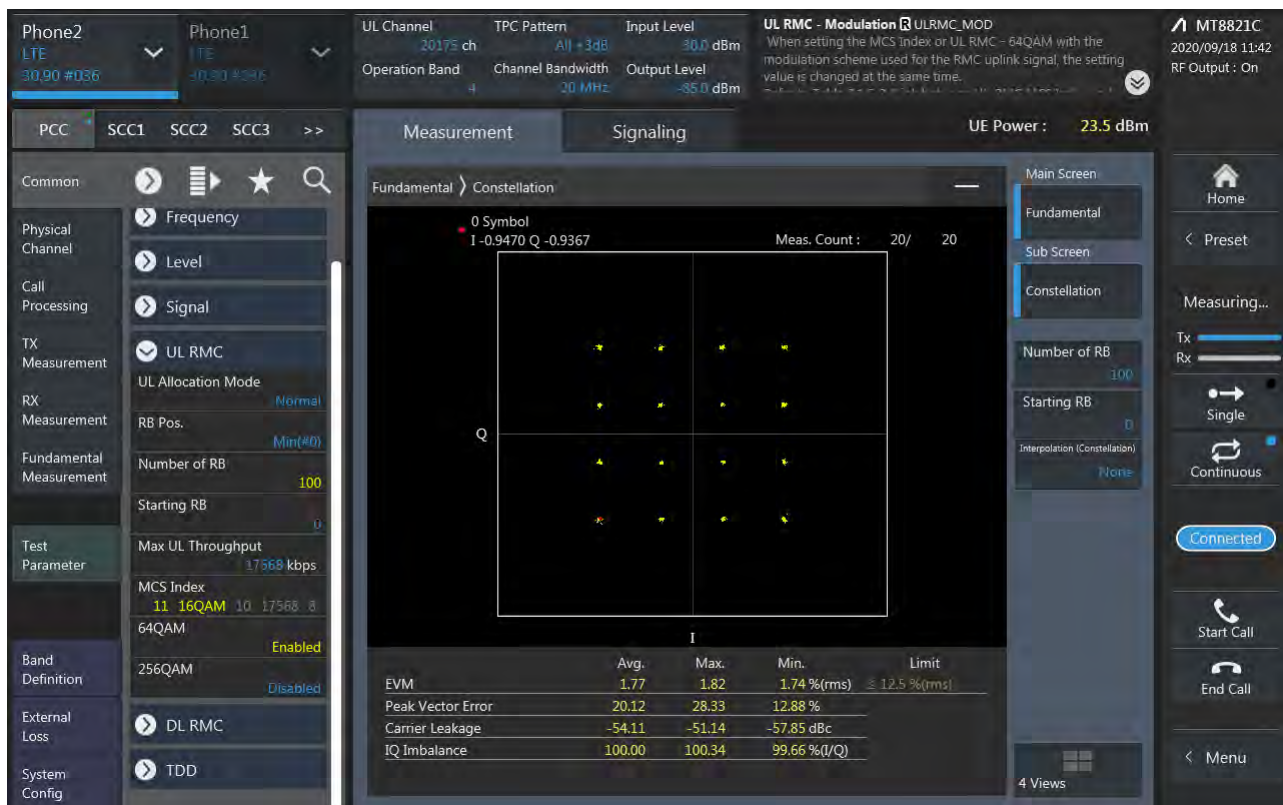
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

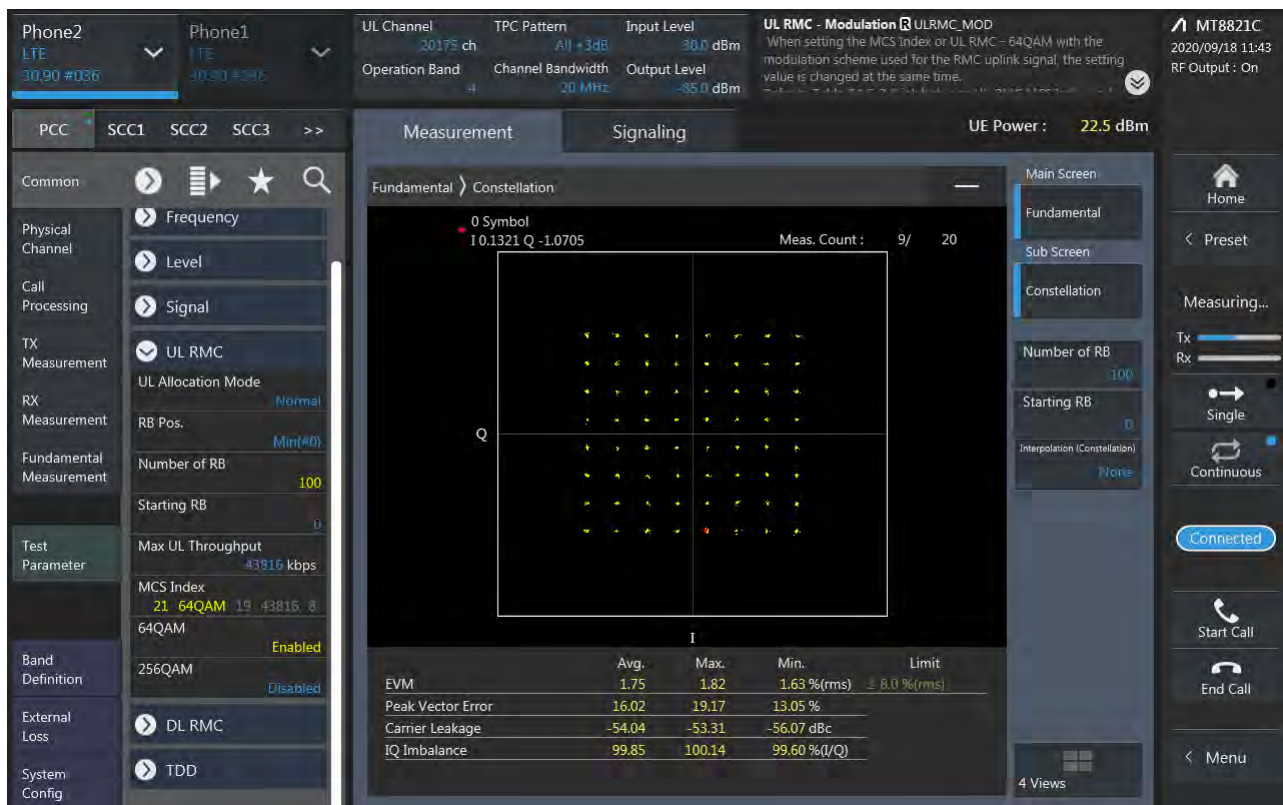
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.284	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.091	1.299	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.269	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.284	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.988	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	2.988	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	2.976	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.964	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.964	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.691	2.970	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.691	2.976	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.970	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.940	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.930	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.960	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.940	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.970	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.960	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.950	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.740	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.720	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.740	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.800	PASS



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

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

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

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



Band4	10MHz	64QAM	20175	50RB#0	8.911	9.760	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.800	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.800	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.760	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.740	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.730	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.760	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.730	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.790	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.457	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.760	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.400	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.480	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.440	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.480	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.440	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.440	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	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.

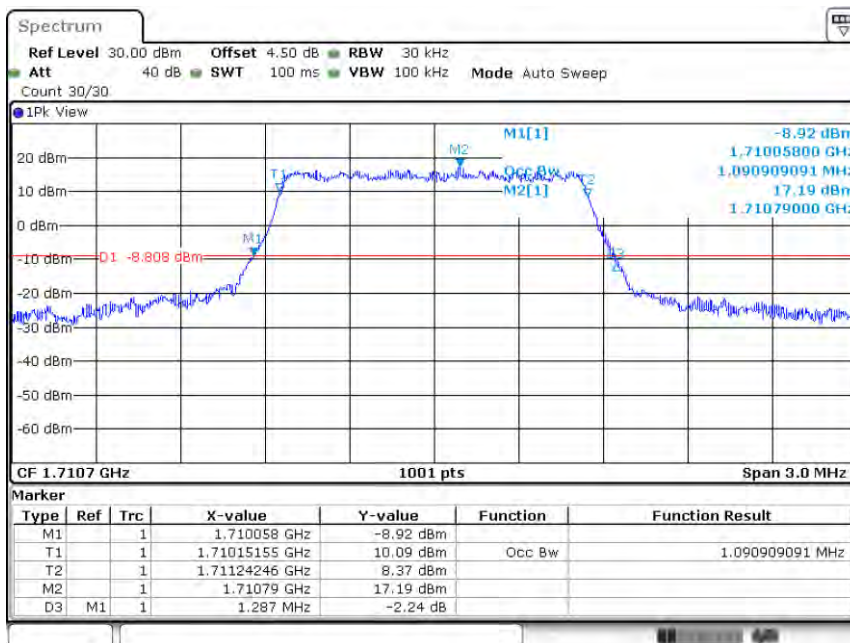
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



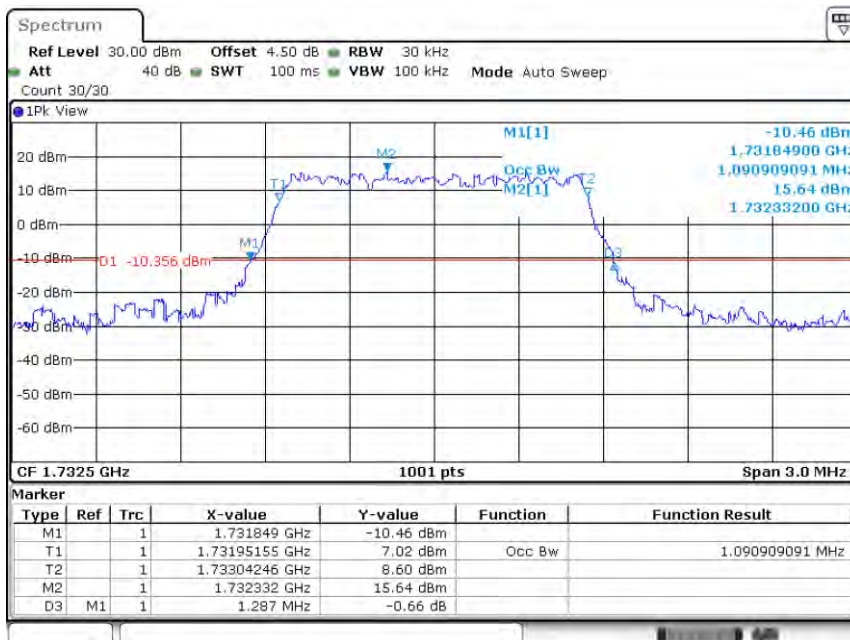
4.2. Test Plots

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



Date: 3.SEP.2020 22:02:44

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



Date: 3.SEP.2020 22:03:10

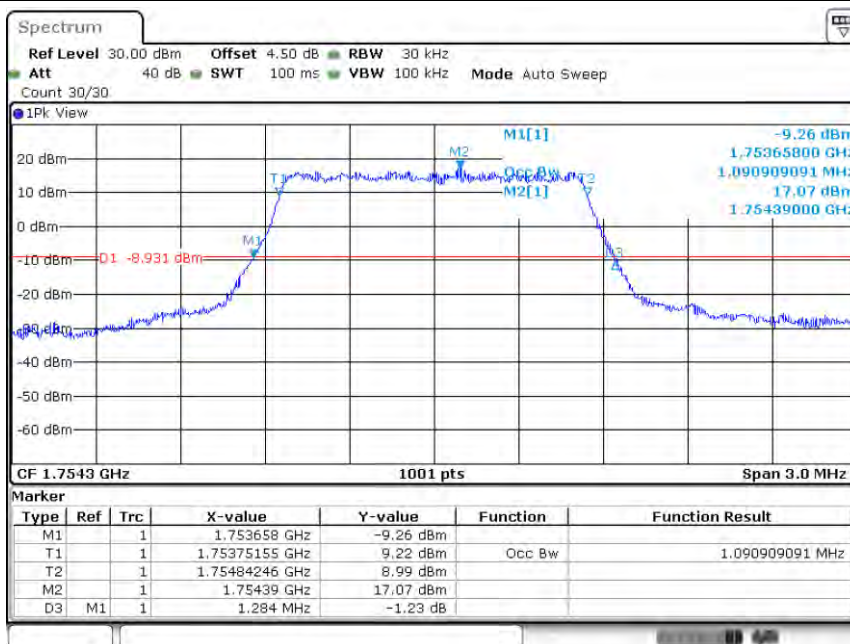


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

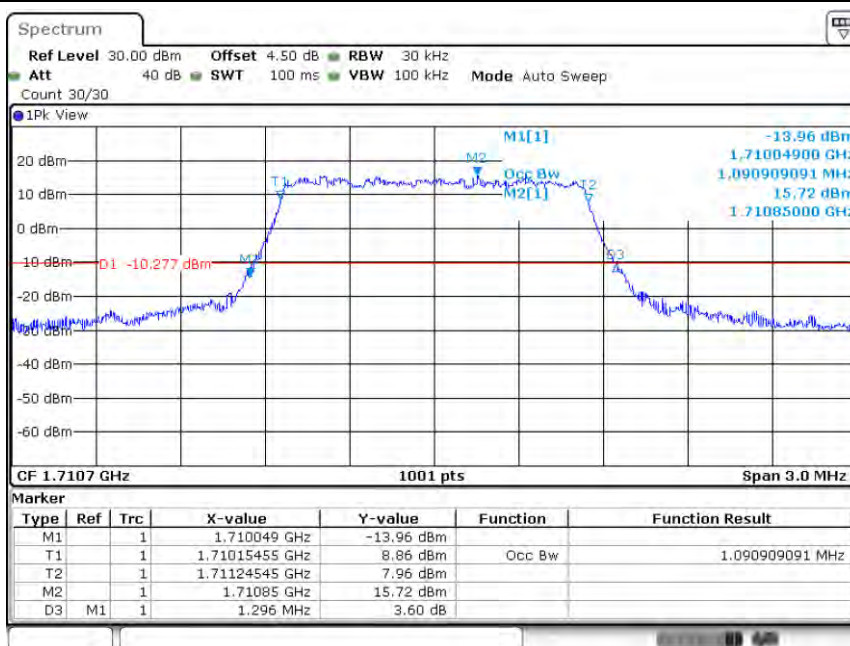


Band4-1.4MHz-QPSK-20393-6RB#0-1.091



Date: 3.SEP.2020 22:03:35

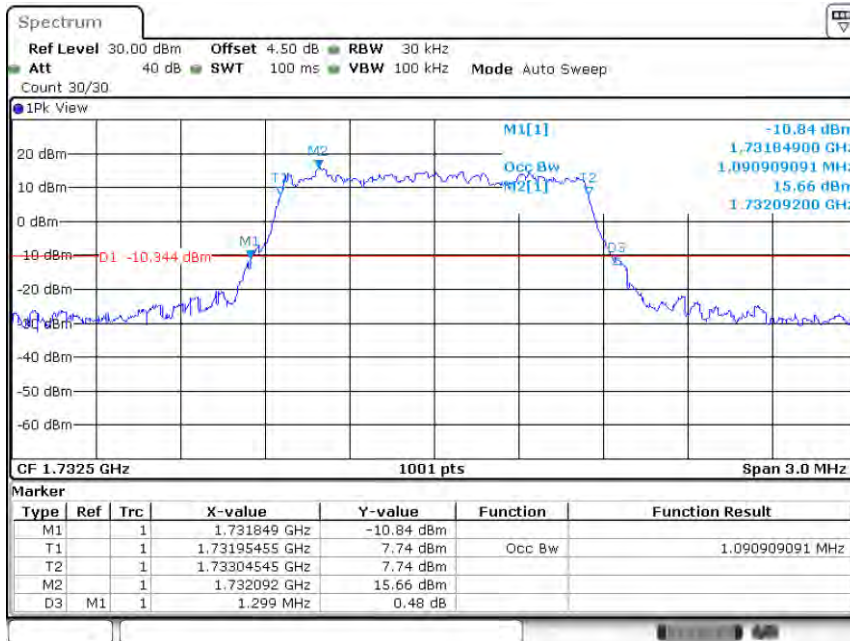
Band4-1.4MHz-64QAM-19957-6RB#0-1.091



Date: 3.SEP.2020 23:53:03

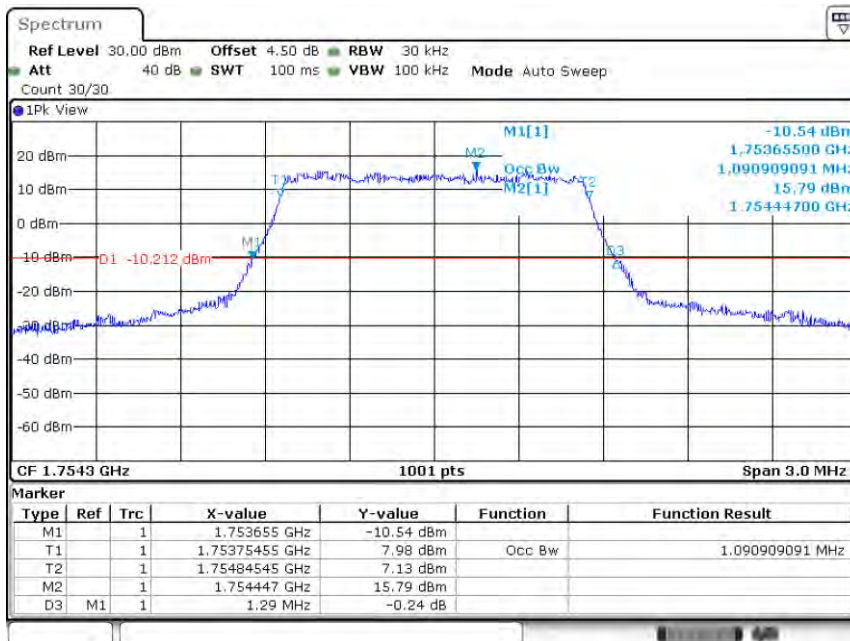


Band4-1.4MHz-64QAM-20175-6RB#0-1.091



Date: 3.SEP.2020 23:53:16

Band4-1.4MHz-64QAM-20393-6RB#0-1.091



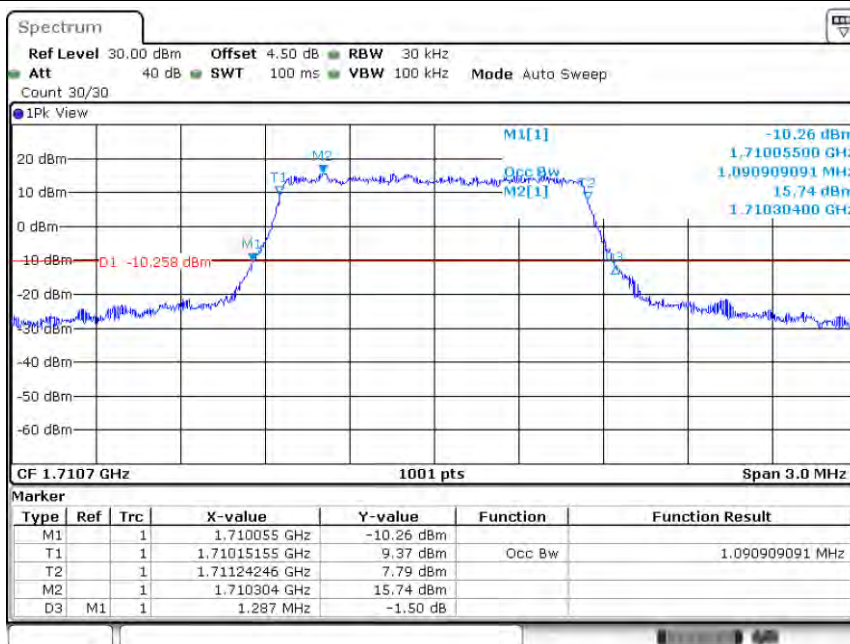
Date: 3.SEP.2020 23:53:29



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.

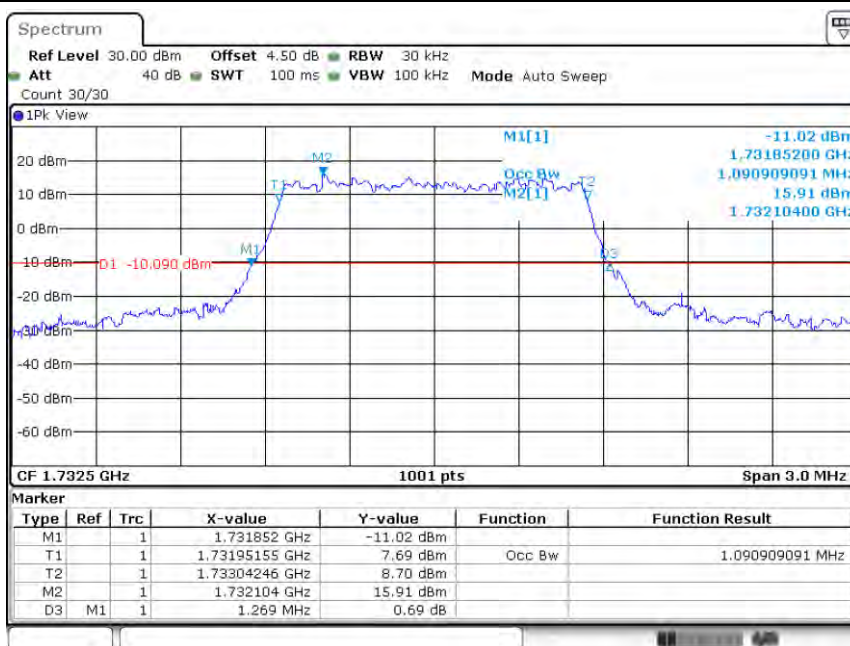
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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-19957-6RB#0-1.091



Date: 3.SEP.2020 22:02:57

Band4-1.4MHz-16QAM-20175-6RB#0-1.091

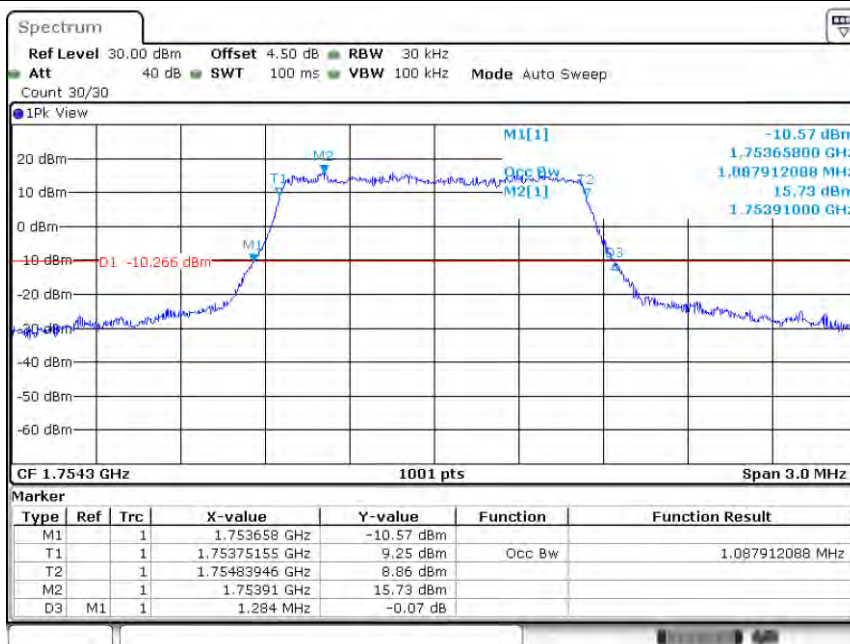


Date: 3.SEP.2020 22:03:22



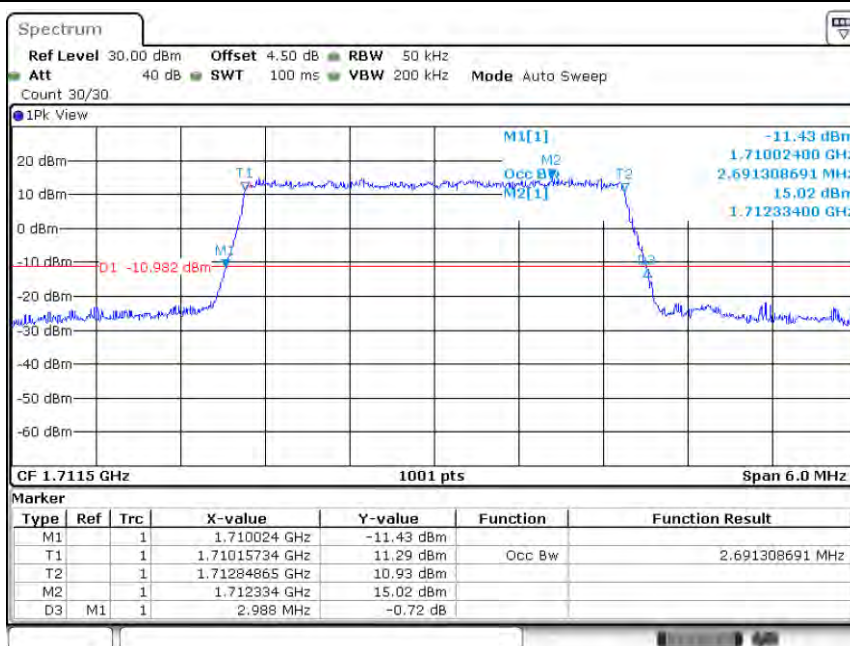


Band4-1.4MHz-16QAM-20393-6RB#0-1.088



Date: 3.SEP.2020 22:03:48

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



Date: 3.SEP.2020 22:04:06

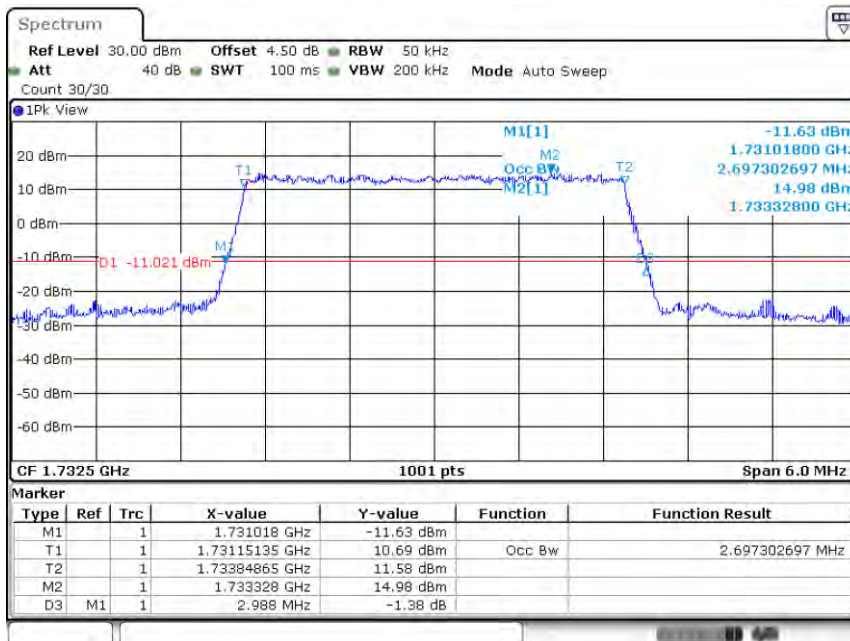


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

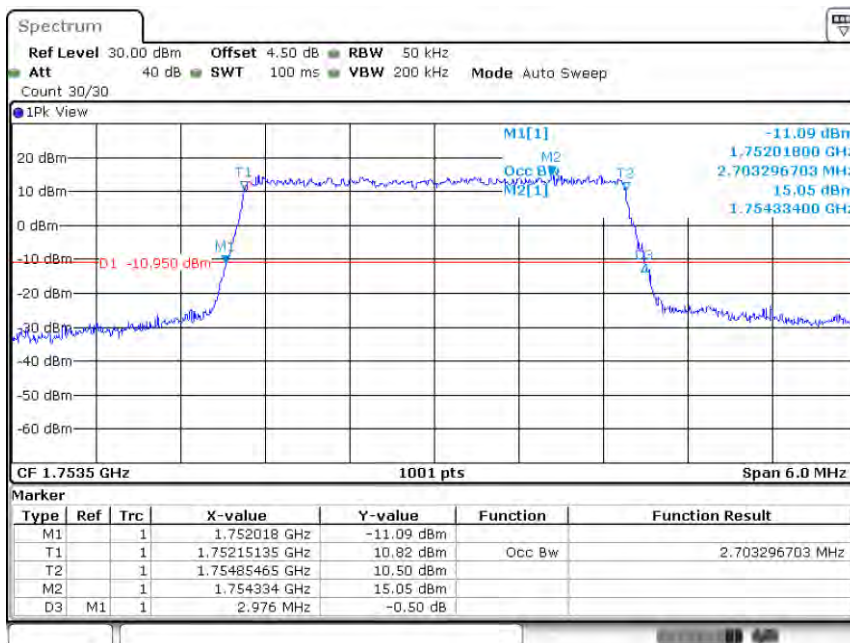


Band4-3MHz-QPSK-20175-15RB#0-2.697



Date: 3.SEP.2020 22:04:32

Band4-3MHz-QPSK-20385-15RB#0-2.703

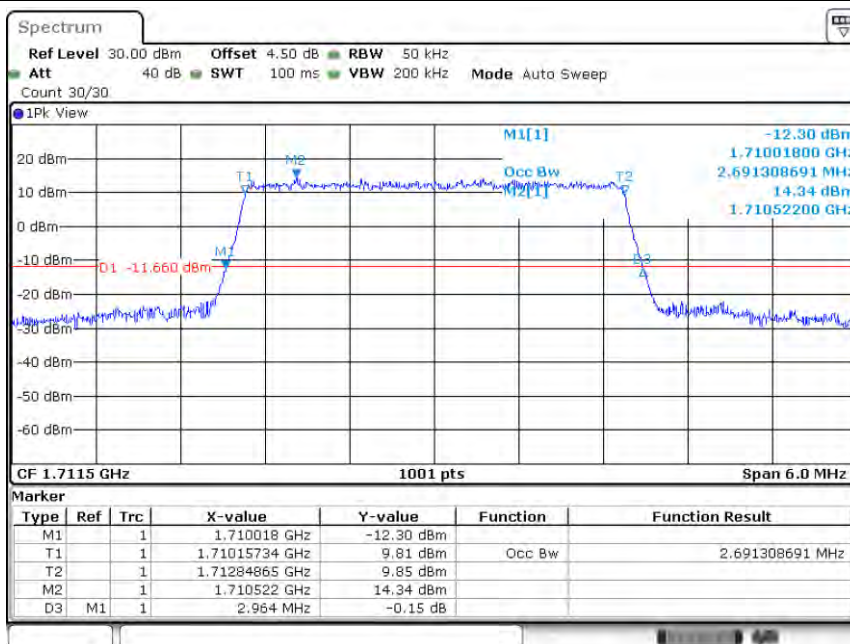


Date: 3.SEP.2020 22:04:58



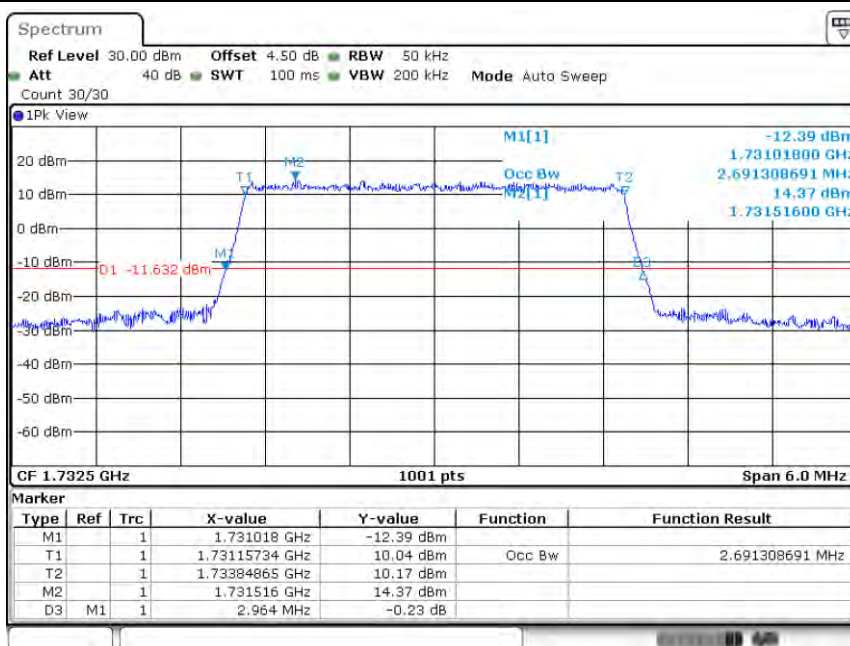


Band4-3MHz-64QAM-19965-15RB#0-2.691



Date: 3.SEP.2020 23:53:47

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



Date: 3.SEP.2020 23:54:00

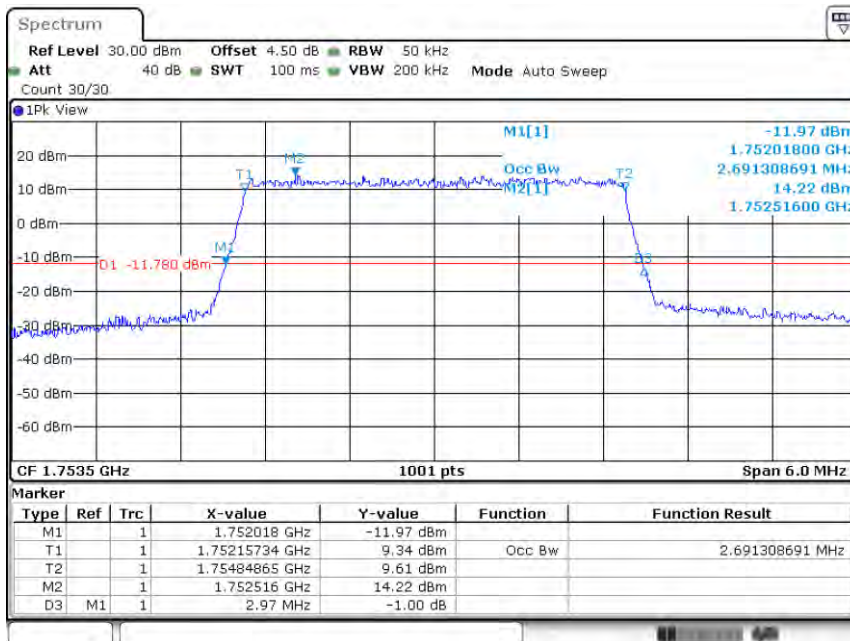


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

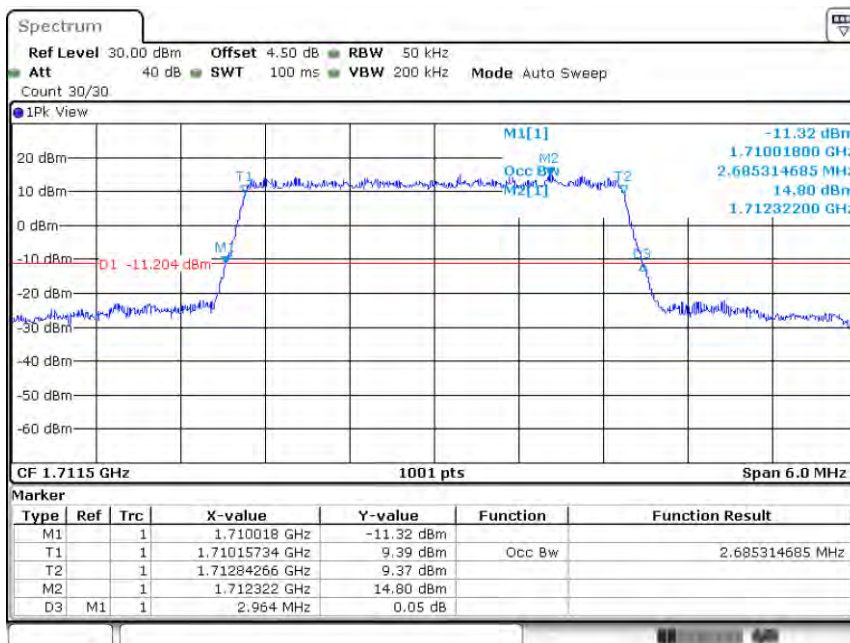


Band4-3MHz-64QAM-20385-15RB#0-2.691



Date: 3.SEP.2020 23:54:13

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



Date: 3.SEP.2020 22:04:18

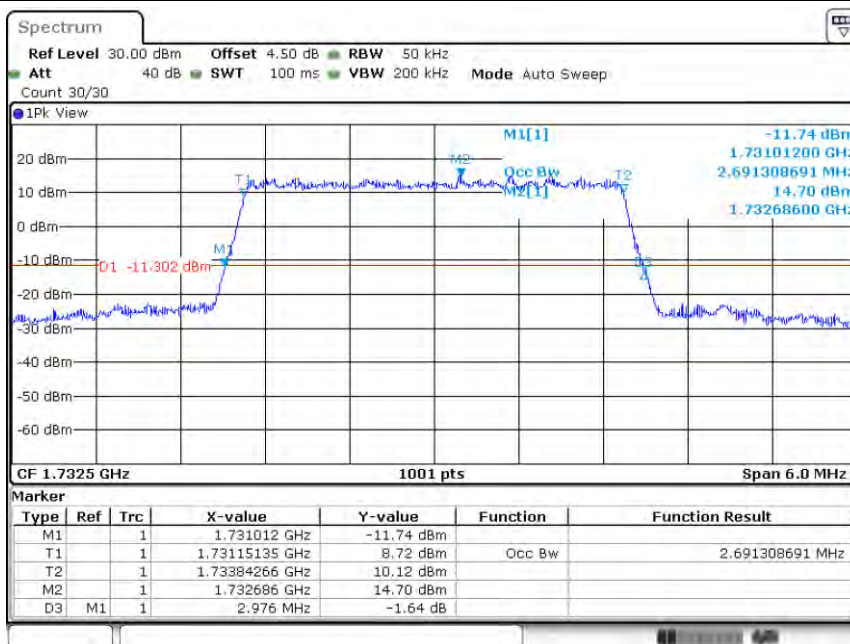


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

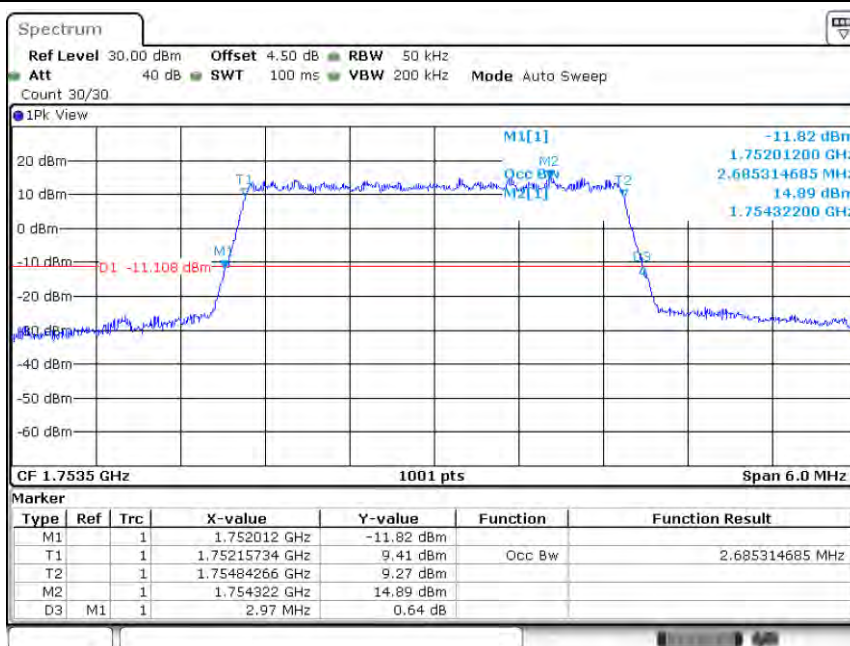


Band4-3MHz-16QAM-20175-15RB#0-2.691



Date: 3.SEP.2020 22:04:45

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



Date: 3.SEP.2020 22:05:10

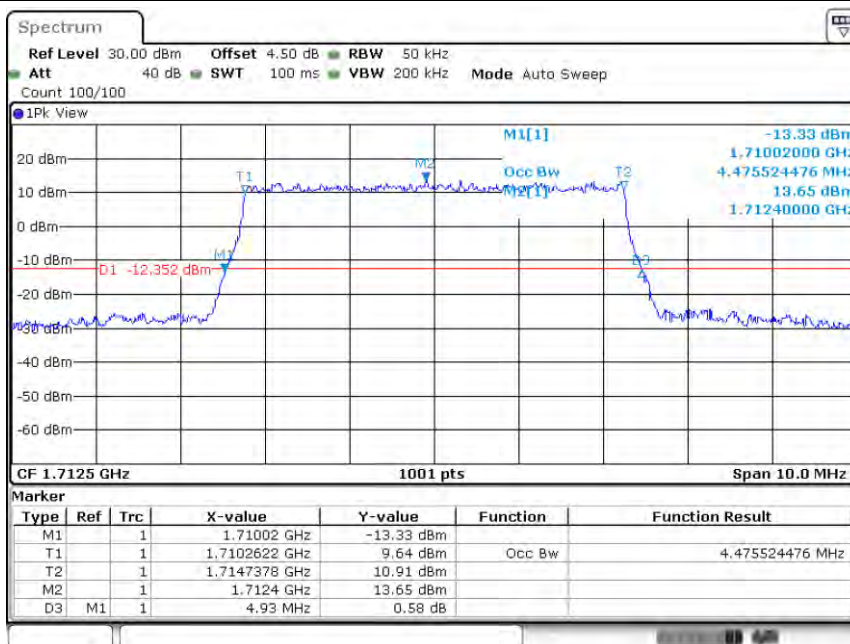


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

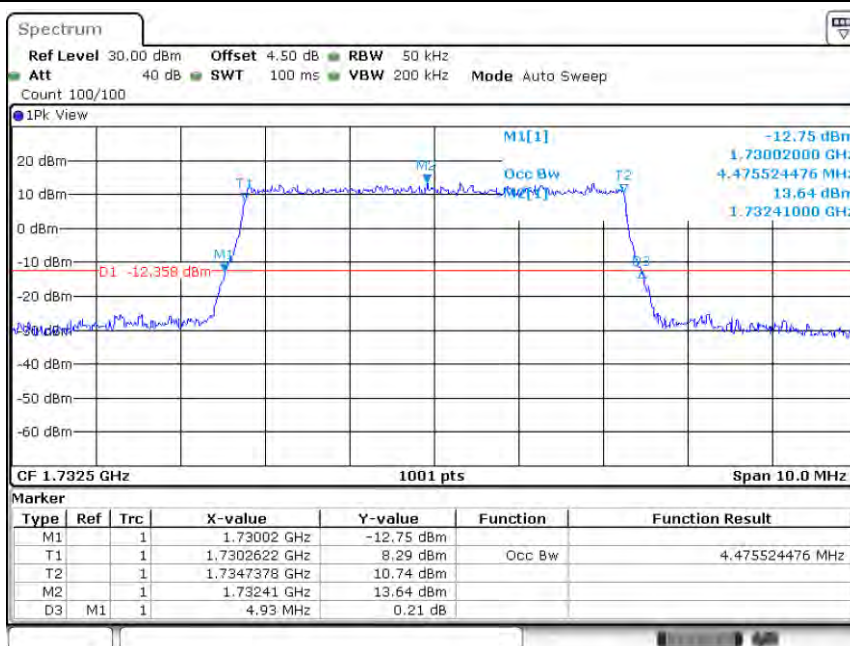


Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 3.SEP.2020 22:05:35

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



Date: 3.SEP.2020 22:06:15

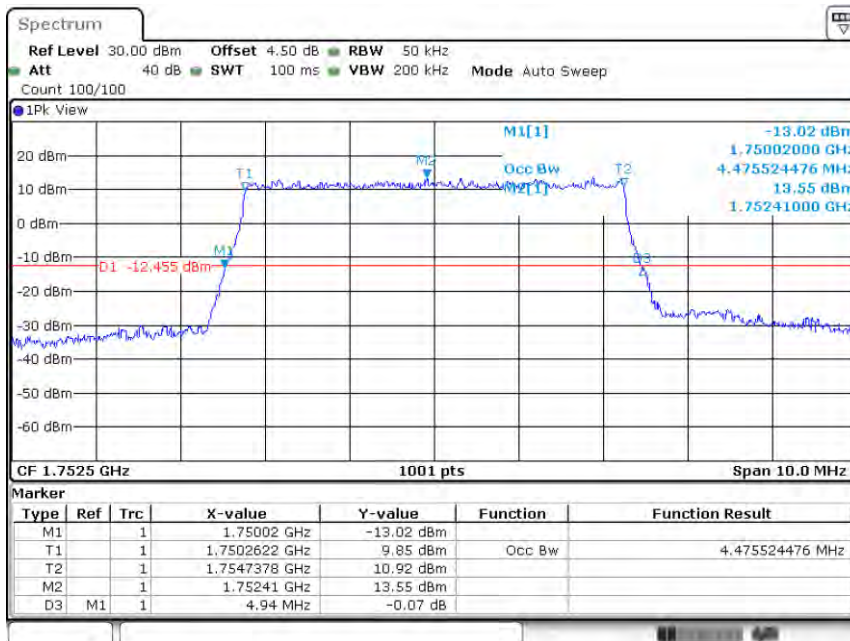


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

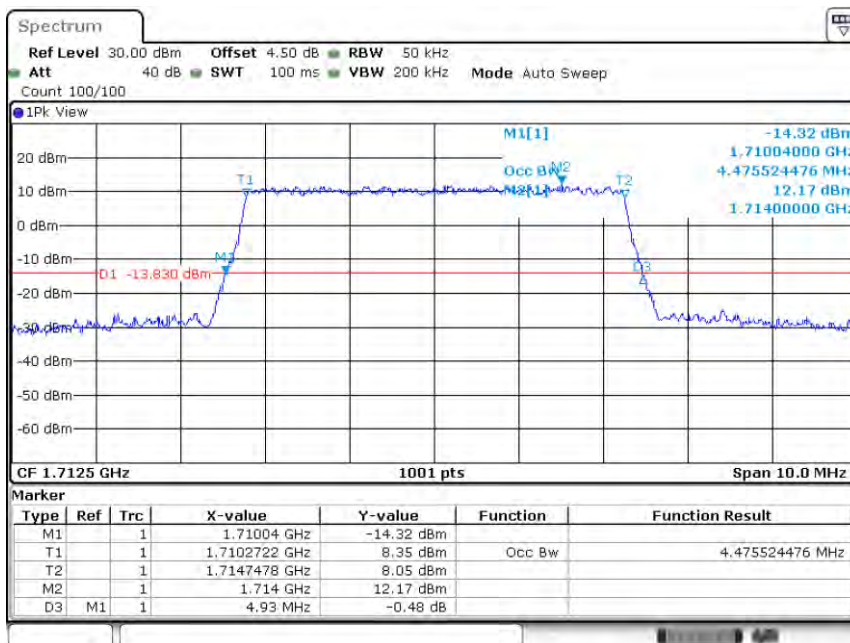


Band4-5MHz-QPSK-20375-25RB#0-4.476



Date: 3.SEP.2020 22:06:55

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



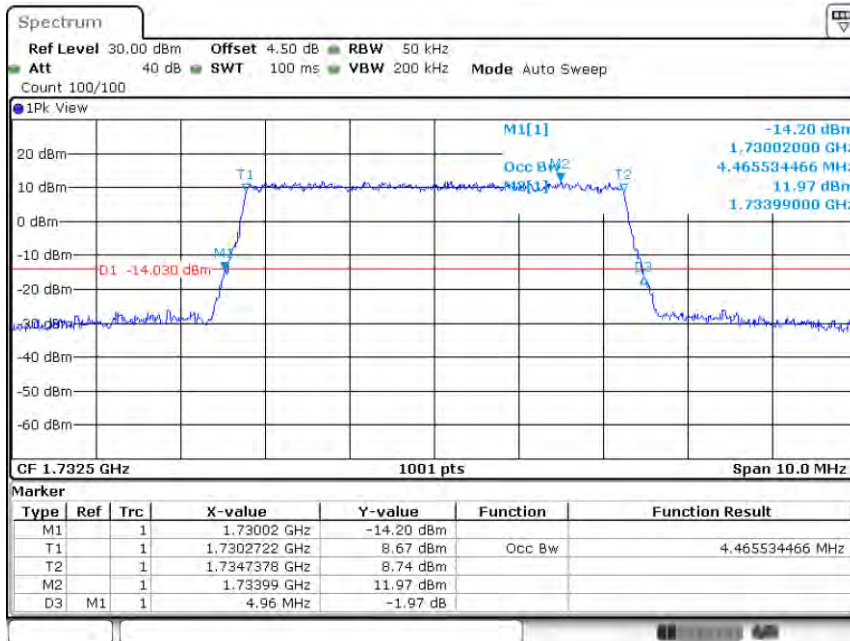
Date: 3.SEP.2020 23:54:38



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

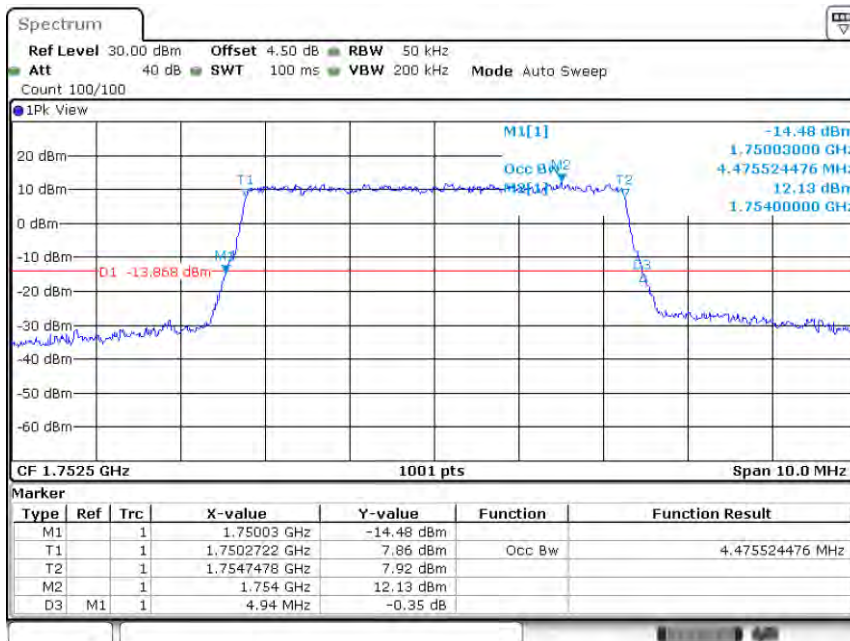
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 3.SEP.2020 23:54:58

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



Date: 3.SEP.2020 23:55:18

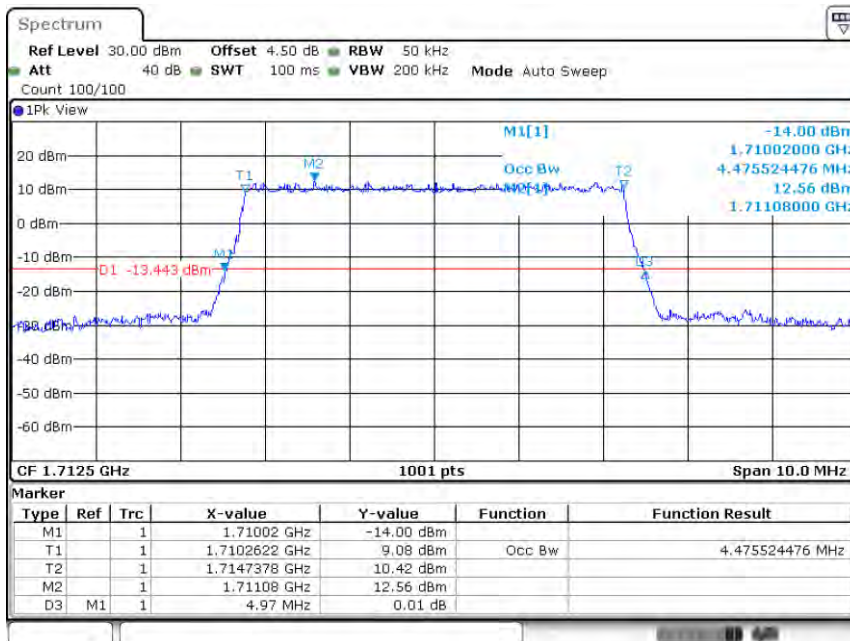


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

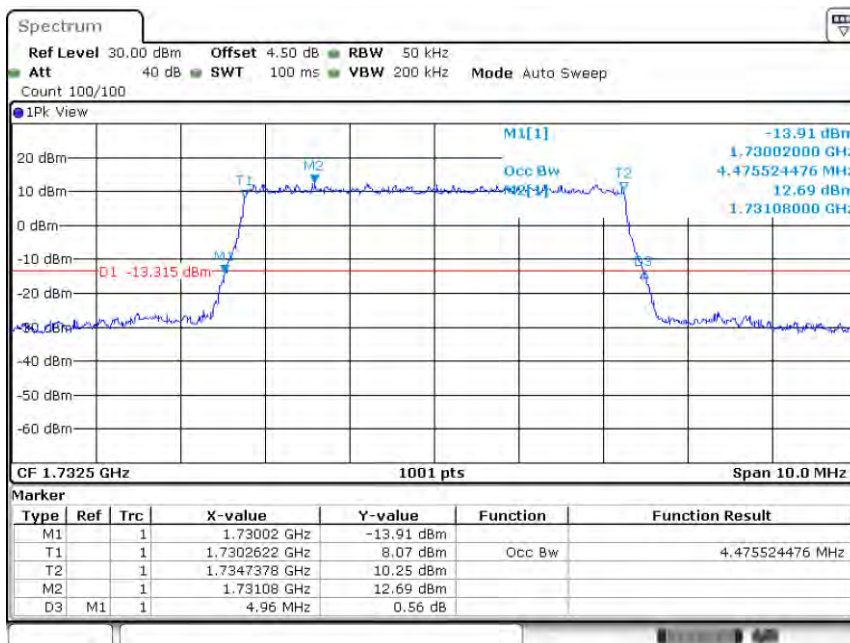


Band4-5MHz-16QAM-19975-25RB#0-4.476



Date: 3.SEP.2020 22:05:55

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



Date: 3.SEP.2020 22:06:34

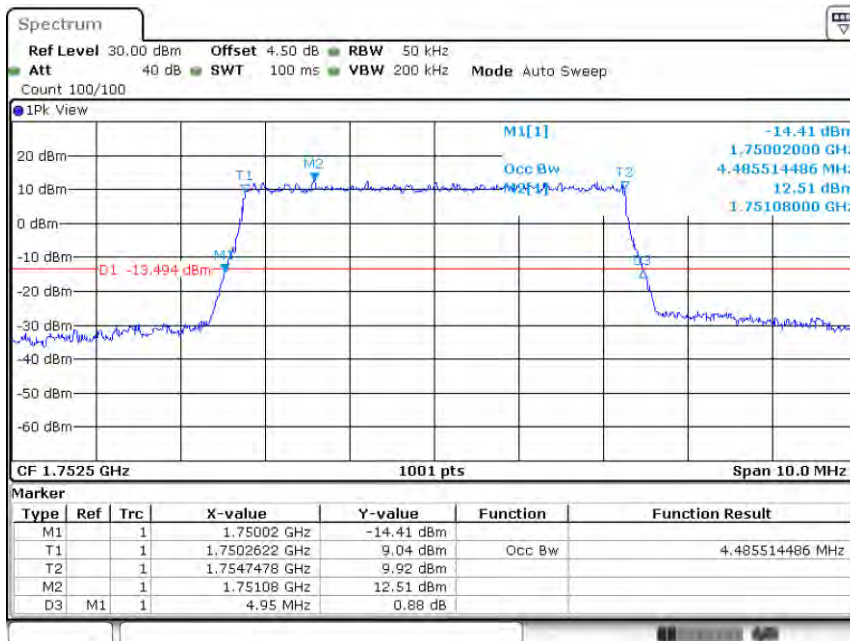


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

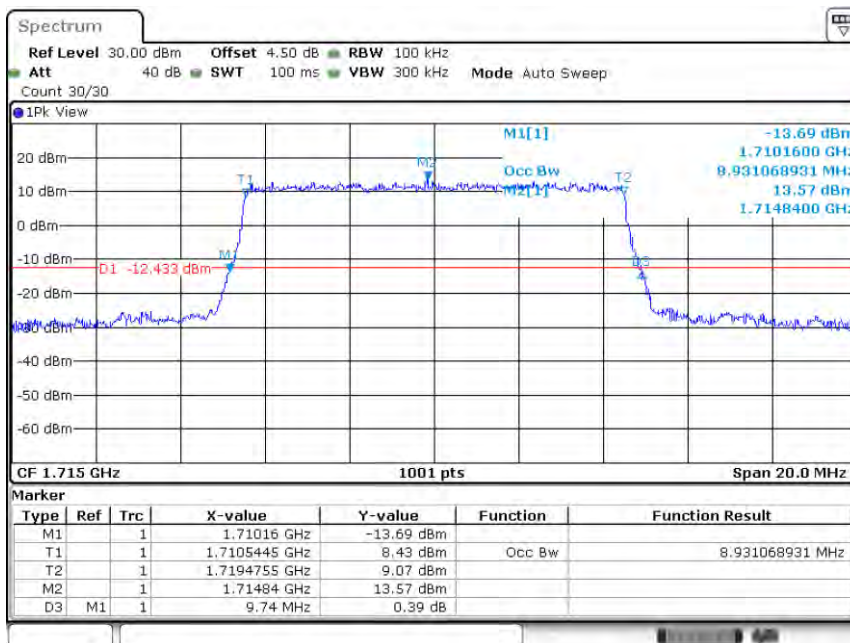


Band4-5MHz-16QAM-20375-25RB#0-4.486



Date: 3.SEP.2020 22:07:14

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



Date: 3.SEP.2020 22:07:32

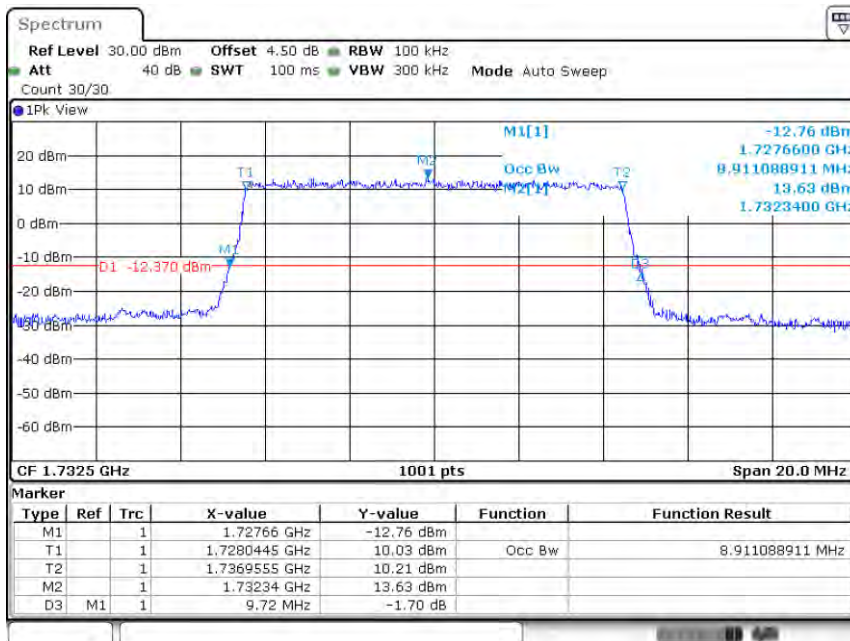


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

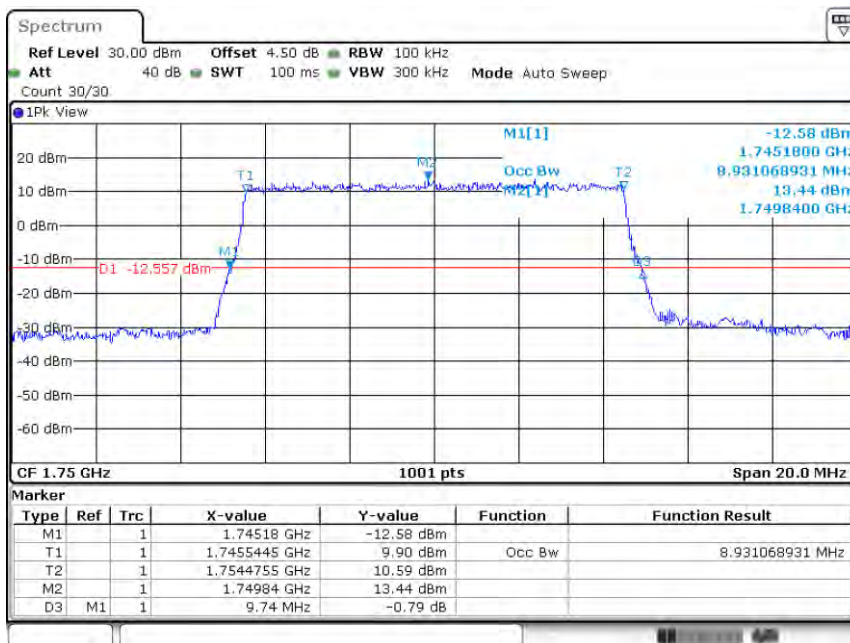


Band4-10MHz-QPSK-20175-50RB#0-8.911



Date: 3.SEP.2020 22:07:59

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



Date: 3.SEP.2020 22:08:25

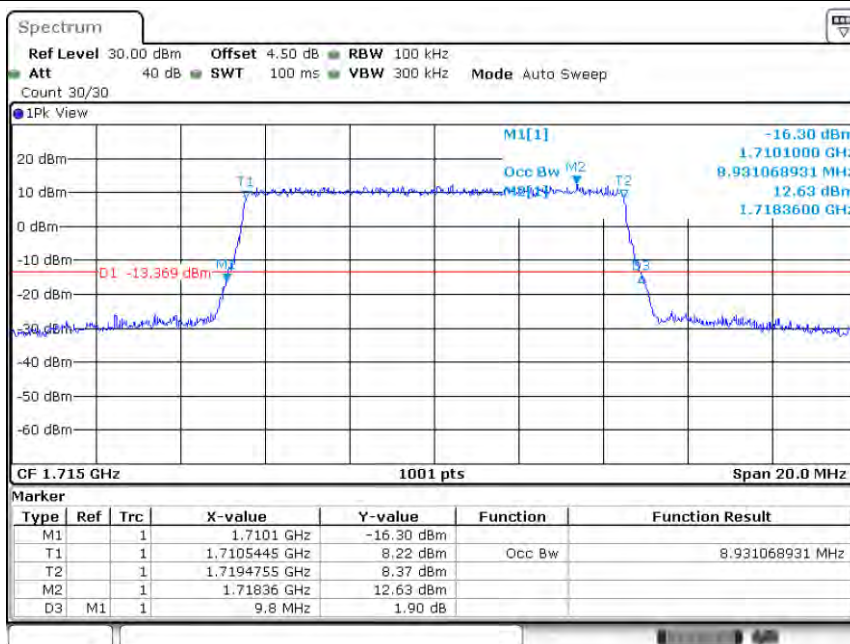


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

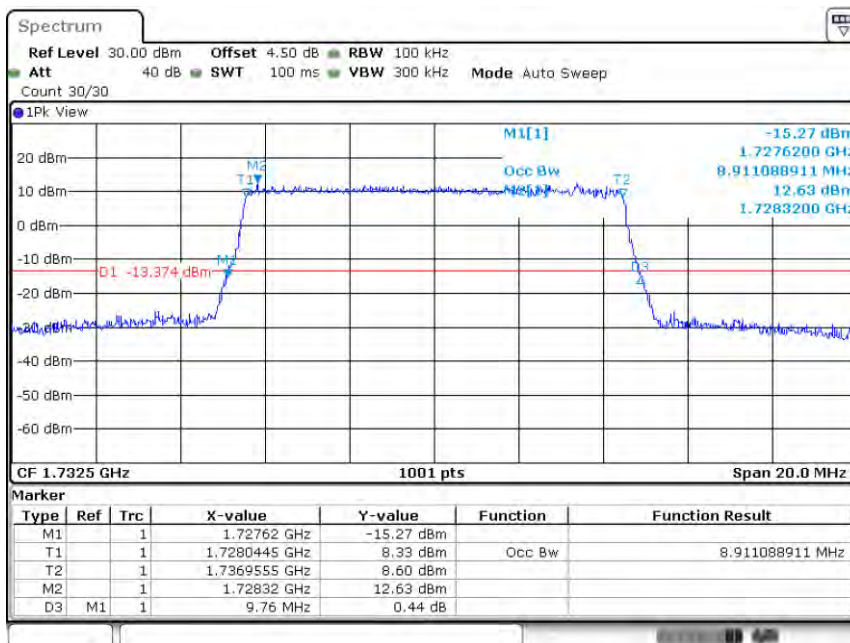


Band4-10MHz-64QAM-20000-50RB#0-8.931



Date: 3.SEP.2020 23:55:36

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



Date: 3.SEP.2020 23:55:49

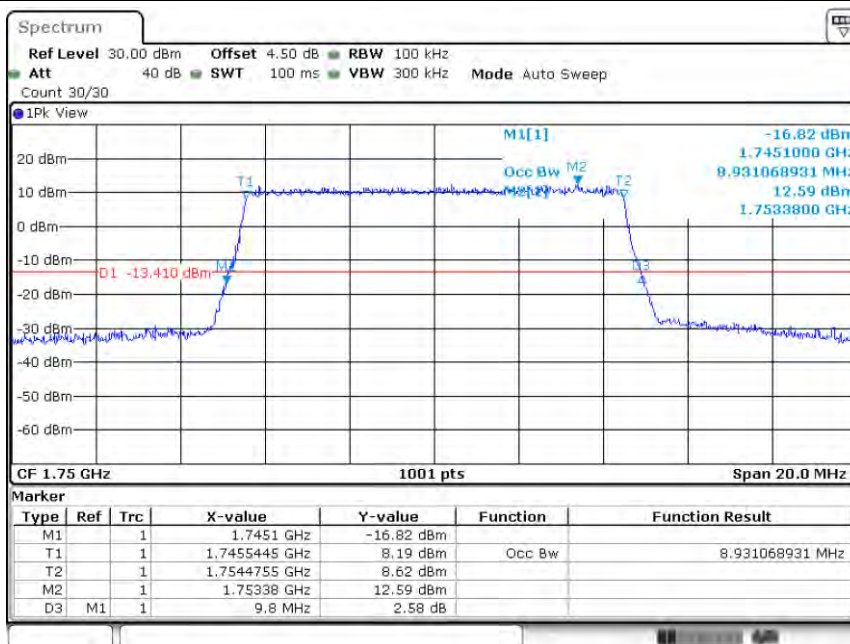


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

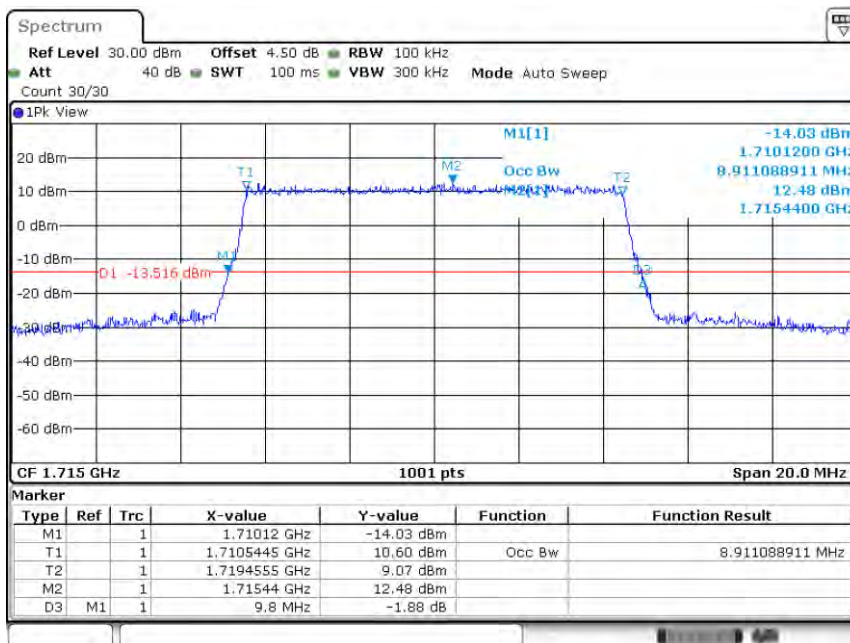


Band4-10MHz-64QAM-20350-50RB#0-8.931



Date: 3.SEP.2020 23:56:02

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



Date: 3.SEP.2020 22:07:46

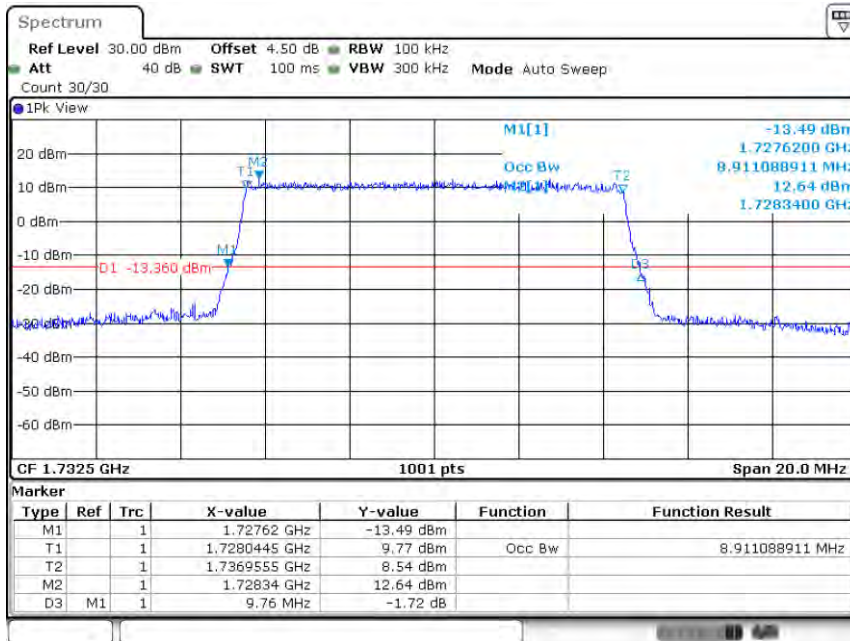


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

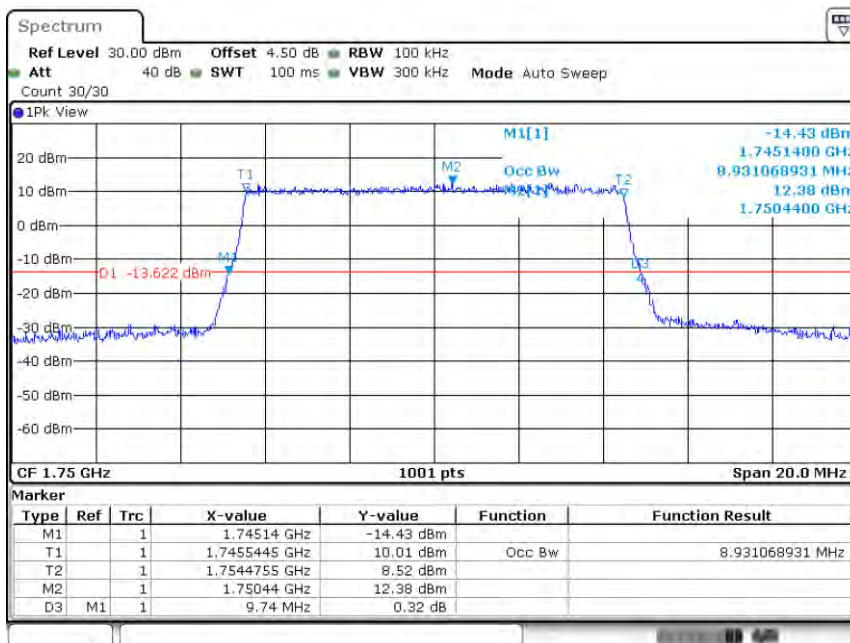


Band4-10MHz-16QAM-20175-50RB#0-8.911



Date: 3.SEP.2020 22:08:11

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



Date: 3.SEP.2020 22:08:38

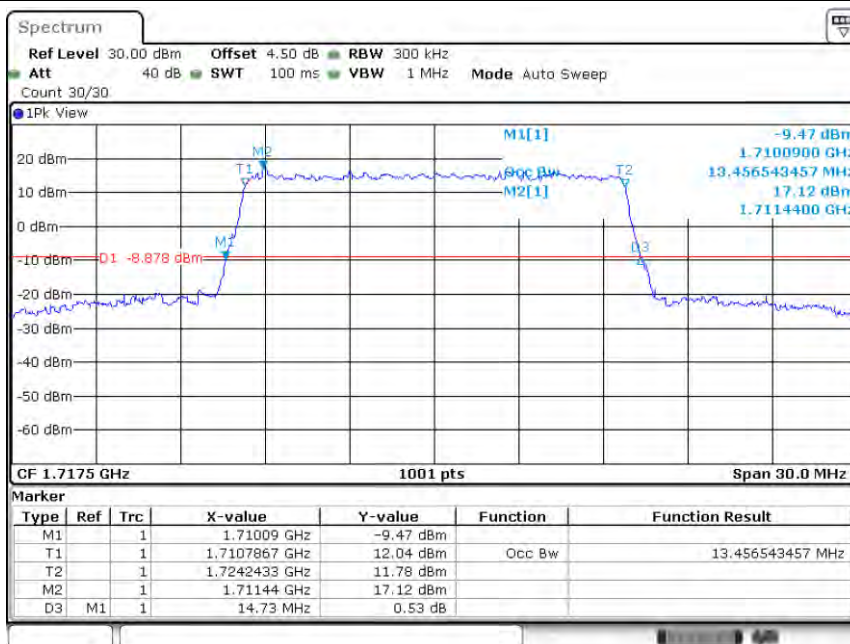


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

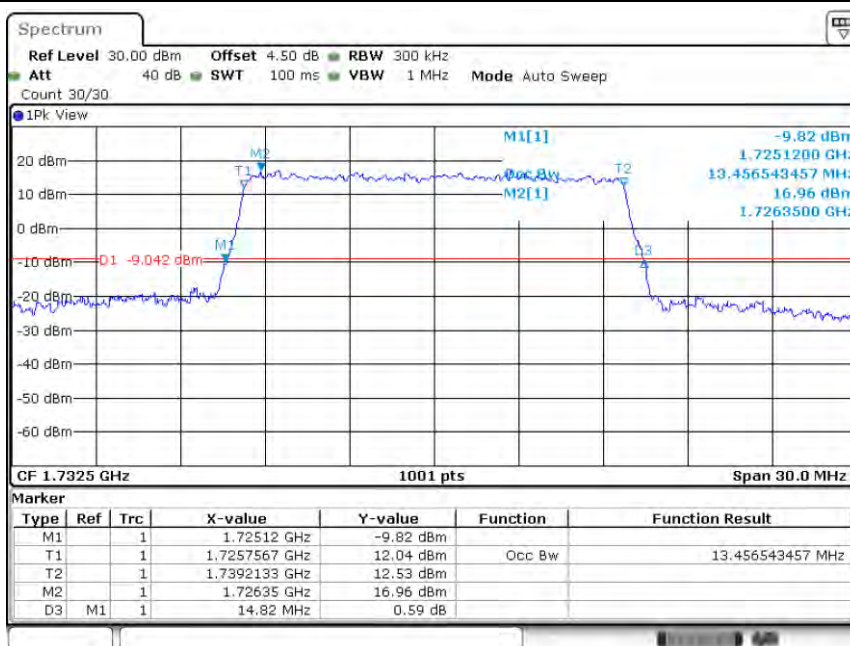


Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 3.SEP.2020 22:08:55

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



Date: 3.SEP.2020 22:09:22

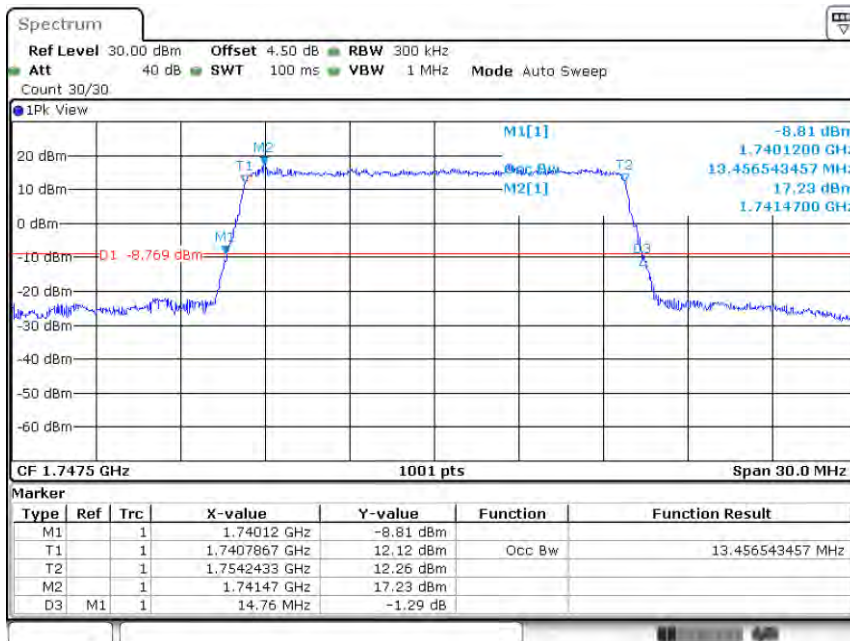


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

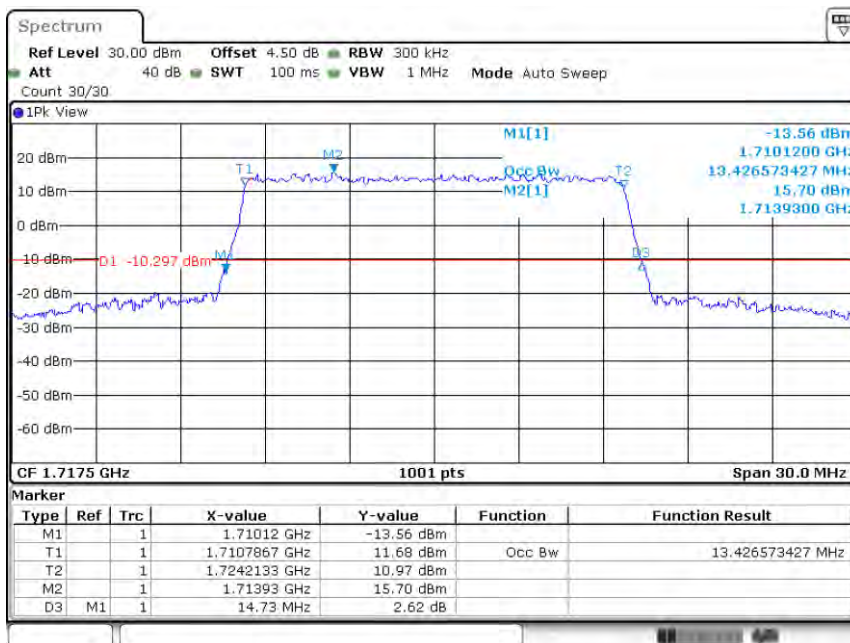


Band4-15MHz-QPSK-20325-75RB#0-13.457



Date: 3.SEP.2020 22:09:48

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



Date: 3.SEP.2020 23:56:20

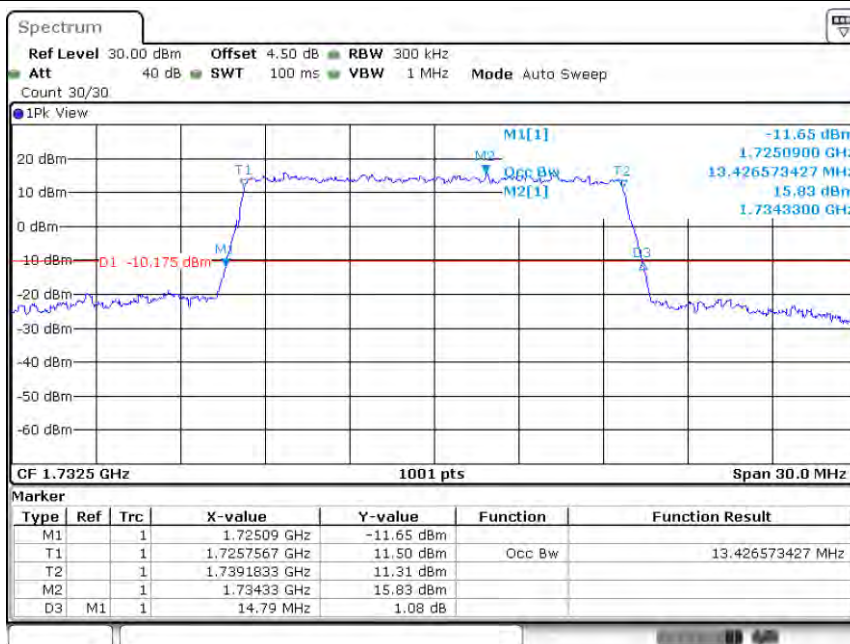


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

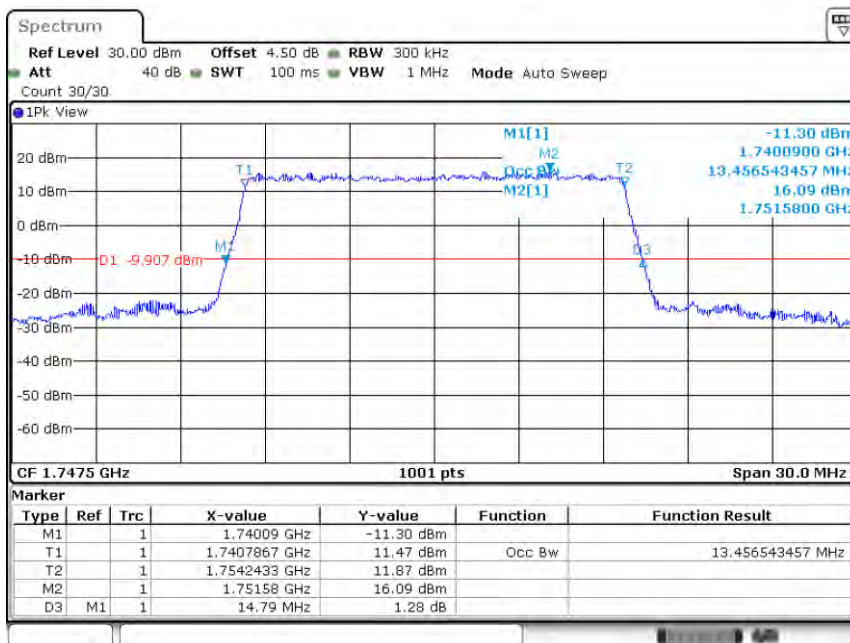


Band4-15MHz-64QAM-20175-75RB#0-13.427



Date: 3.SEP.2020 23:56:33

Band4-15MHz-64QAM-20325-75RB#0-13.457



Date: 3.SEP.2020 23:56:46

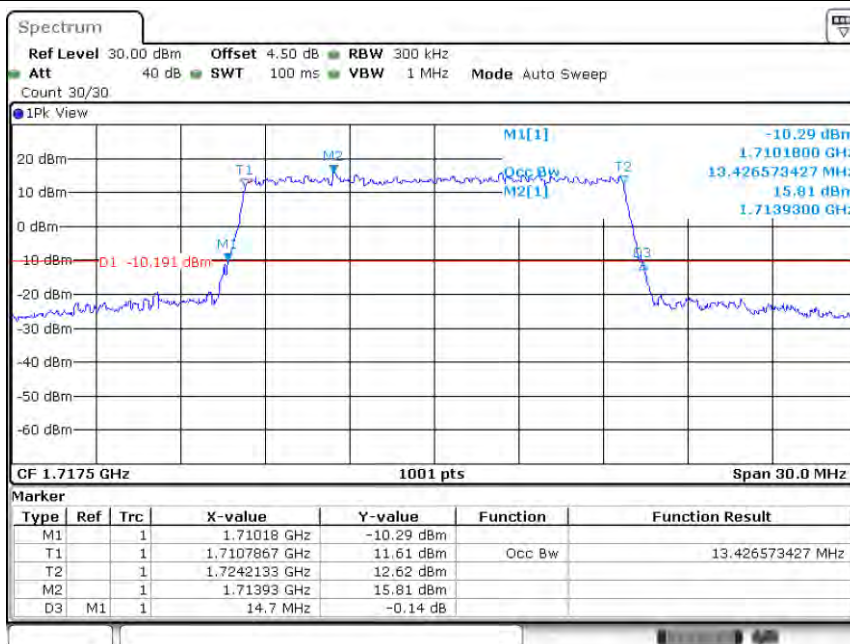


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

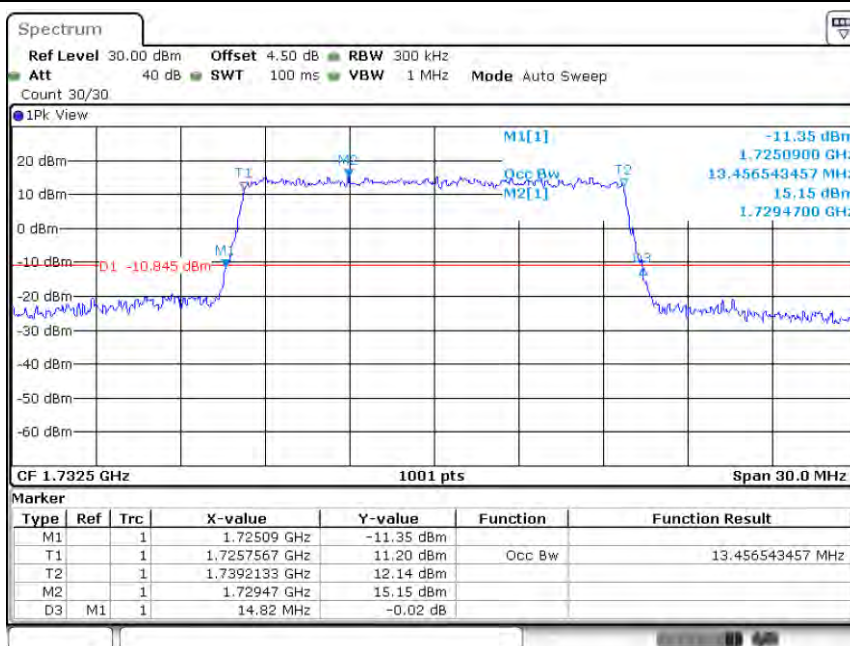


Band4-15MHz-16QAM-20025-75RB#0-13.427



Date: 3.SEP.2020 22:09:09

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



Date: 3.SEP.2020 22:09:34

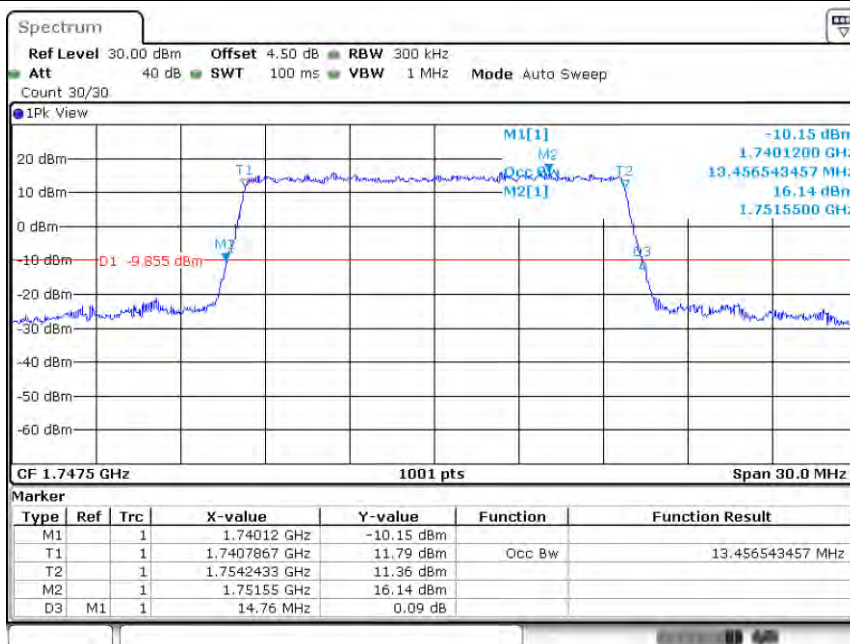


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

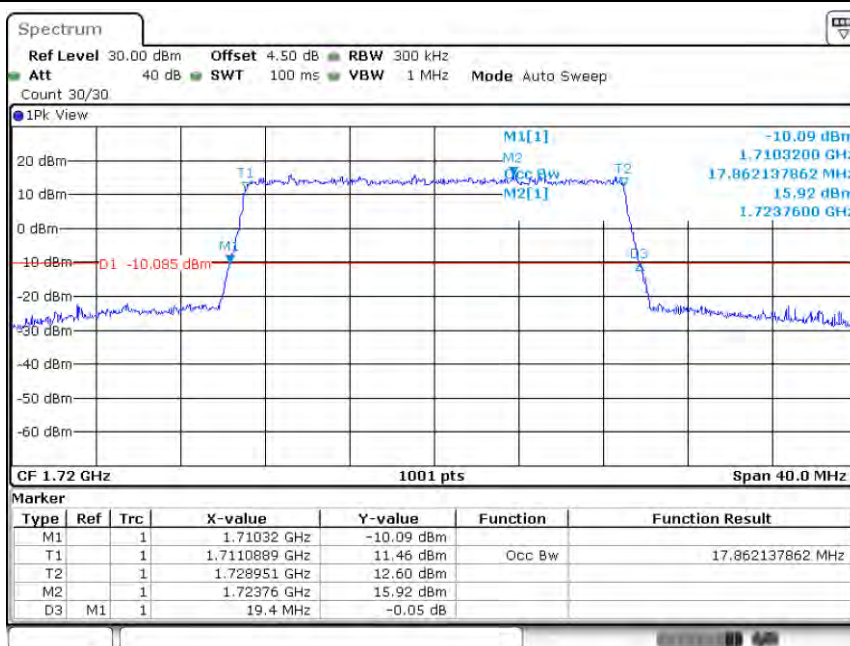


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 3.SEP.2020 22:10:01

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



Date: 3.SEP.2020 22:10:18



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

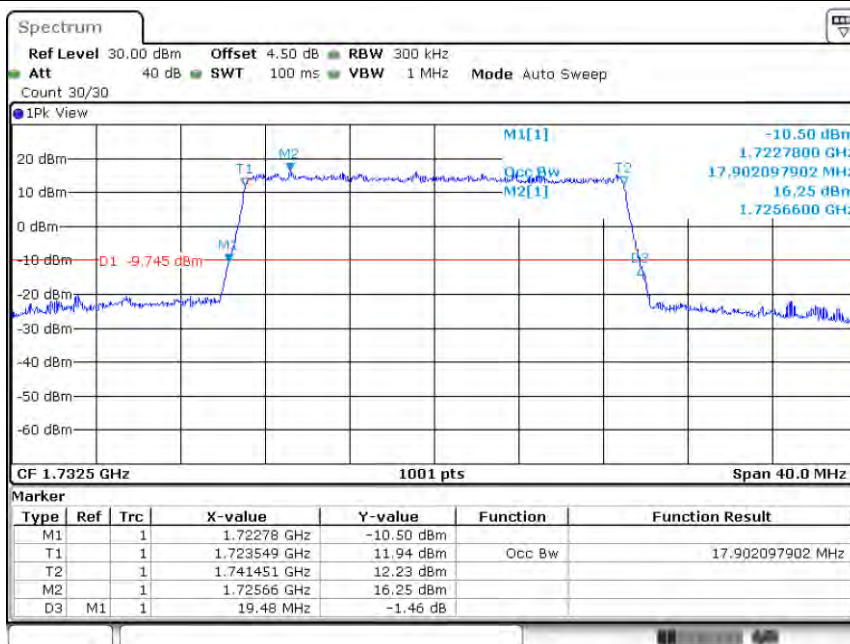
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Member of the SGS Group (SGS SA)

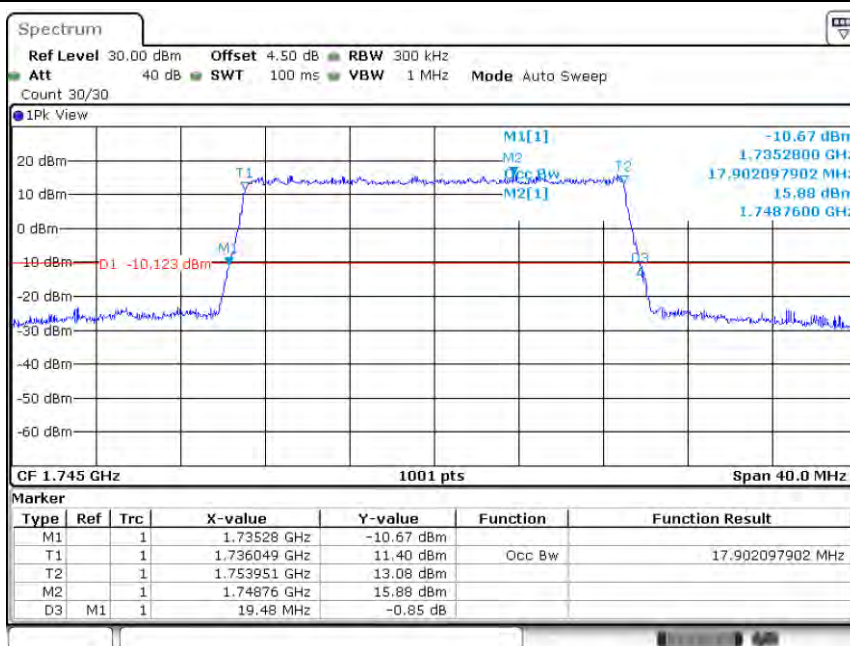


Band4-20MHz-QPSK-20175-100RB#0-17.902



Date: 3.SEP.2020 22:10:44

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

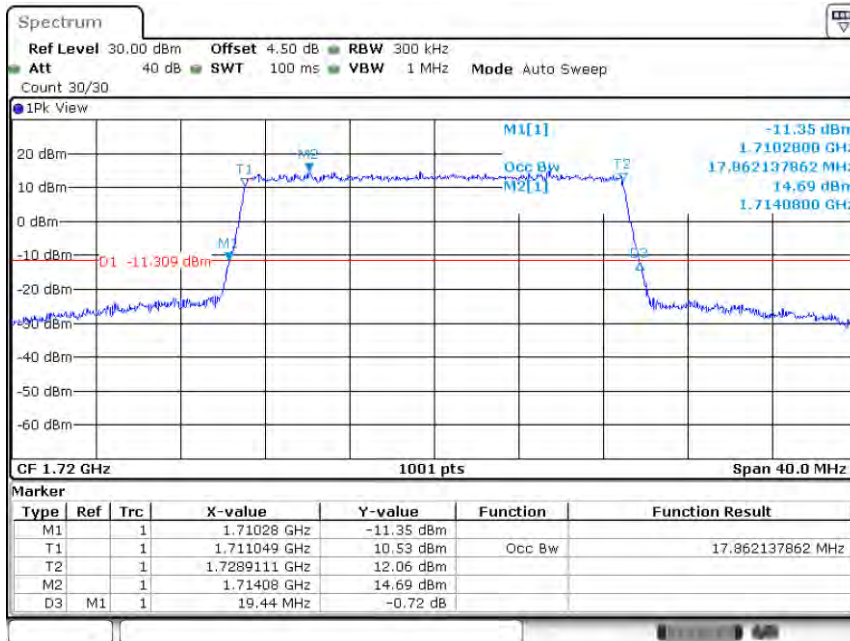


Date: 3.SEP.2020 22:11:10



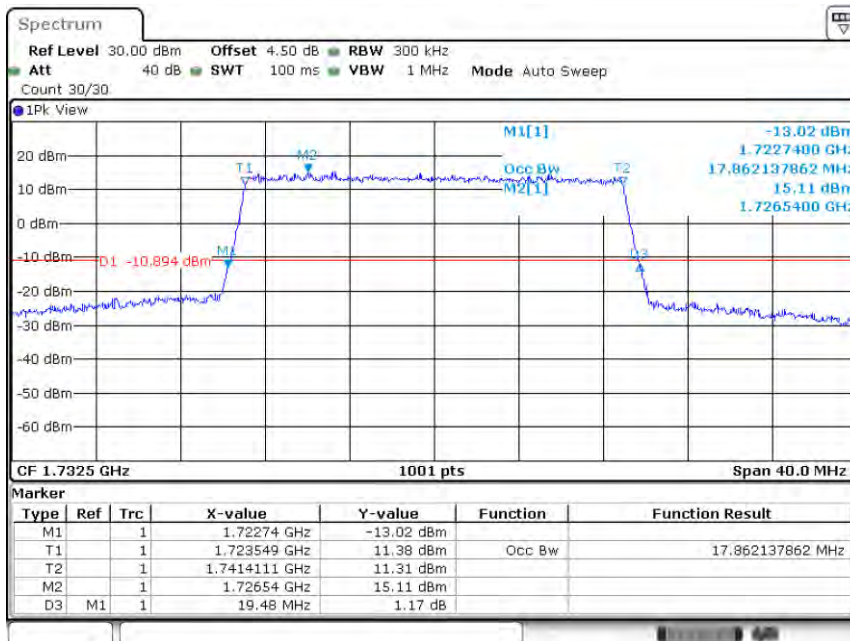


Band4-20MHz-64QAM-20050-100RB#0-17.862



Date: 3.SEP.2020 23:57:04

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



Date: 3.SEP.2020 23:57:18

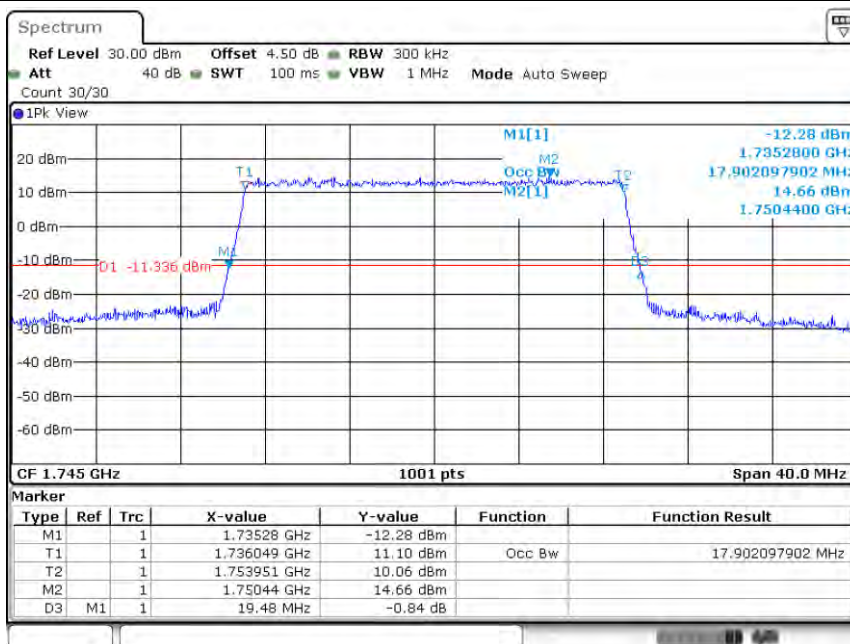


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

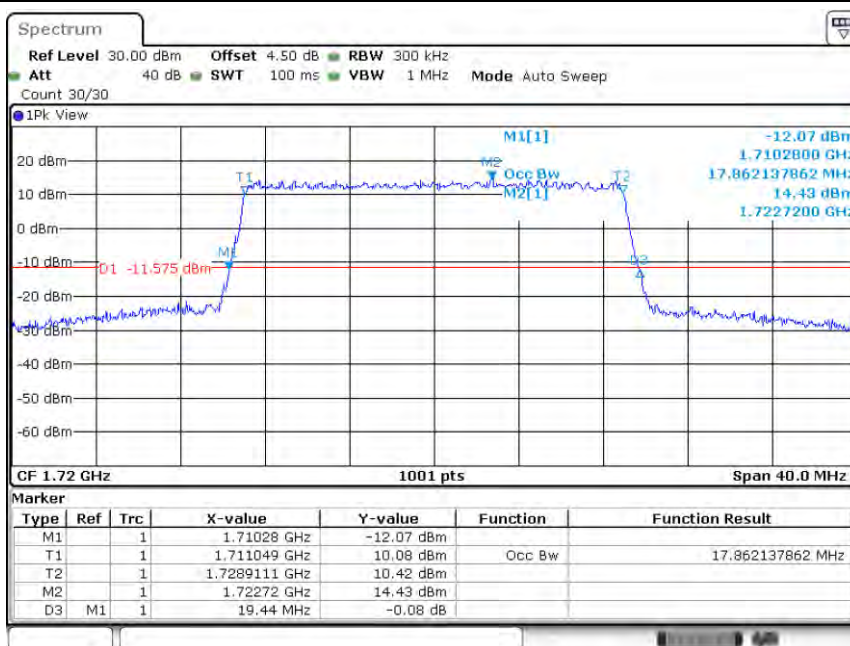


Band4-20MHz-64QAM-20300-100RB#0-17.902



Date: 3.SEP.2020 23:57:31

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



Date: 3.SEP.2020 22:10:31

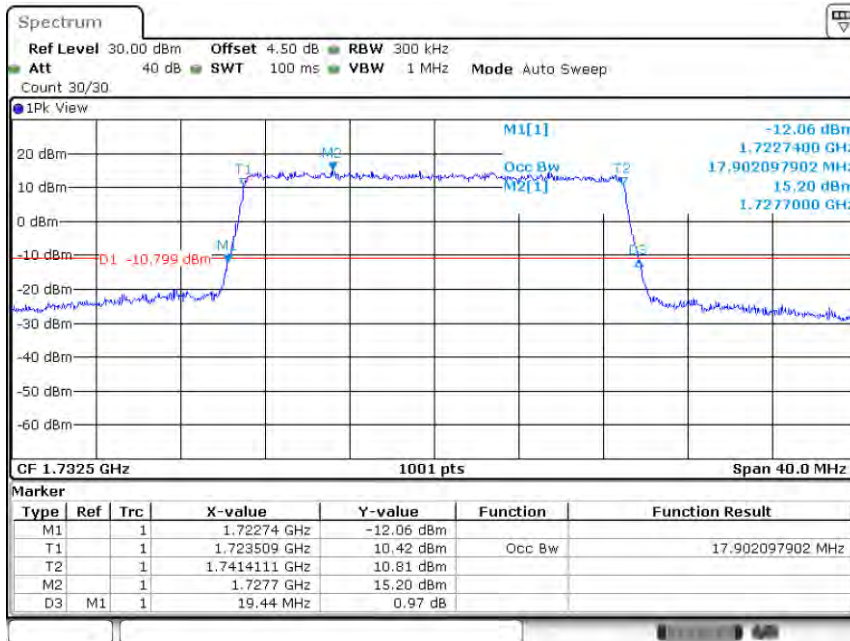


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

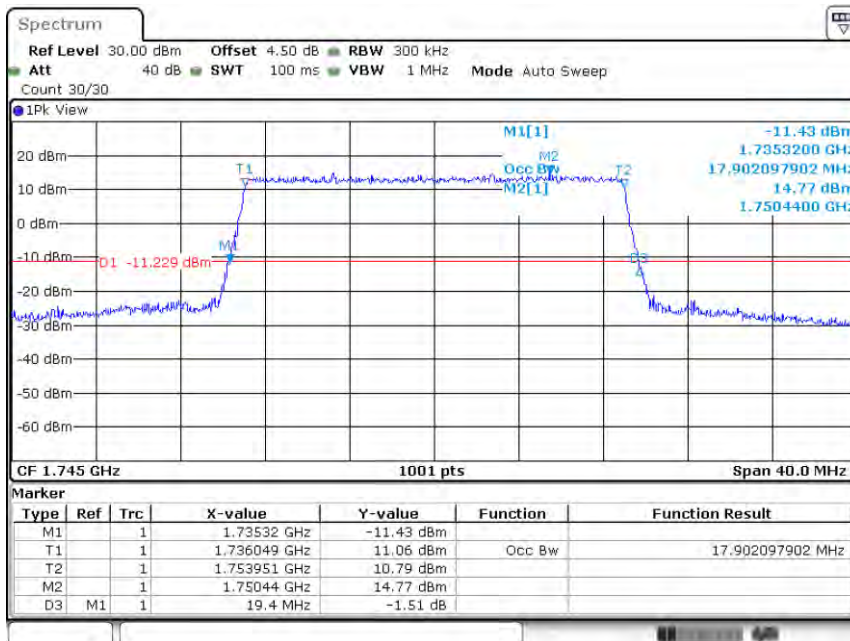


Band4-20MHz-16QAM-20175-100RB#0-17.902



Date: 3.SEP.2020 22:10:57

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



Date: 3.SEP.2020 22:11:23



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



5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.44	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-28.10	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-24.54	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.03	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-24.30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-29.86	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	-25.13	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	-28.33	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-23.26	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.73	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-24.78	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-27.83	PASS
Band4	3MHz	QPSK	19965	1RB#0	-21.70	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.10	PASS
Band4	3MHz	QPSK	20385	1RB#14	-23.57	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.46	PASS
Band4	3MHz	64QAM	19965	1RB#0	-22.37	PASS
Band4	3MHz	64QAM	19965	15RB#0	-30.99	PASS
Band4	3MHz	64QAM	20385	1RB#14	-23.92	PASS
Band4	3MHz	64QAM	20385	15RB#0	-31.06	PASS
Band4	3MHz	16QAM	19965	1RB#0	-22.35	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.97	PASS
Band4	3MHz	16QAM	20385	1RB#14	-24.84	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.30	PASS
Band4	5MHz	QPSK	19975	1RB#0	-22.75	PASS
Band4	5MHz	QPSK	19975	25RB#0	-30.73	PASS
Band4	5MHz	QPSK	20375	1RB#24	-23.13	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.03	PASS
Band4	5MHz	64QAM	19975	1RB#0	-23.37	PASS
Band4	5MHz	64QAM	19975	25RB#0	-31.64	PASS
Band4	5MHz	64QAM	20375	1RB#24	-23.44	PASS
Band4	5MHz	64QAM	20375	25RB#0	-30.71	PASS



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

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

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



Band4	5MHz	16QAM	19975	1RB#0	-23.56	PASS
Band4	5MHz	16QAM	19975	25RB#0	-30.86	PASS
Band4	5MHz	16QAM	20375	1RB#24	-23.18	PASS
Band4	5MHz	16QAM	20375	25RB#0	-29.88	PASS
Band4	10MHz	QPSK	20000	1RB#0	-31.78	PASS
Band4	10MHz	QPSK	20000	50RB#0	-34.78	PASS
Band4	10MHz	QPSK	20350	1RB#49	-31.80	PASS
Band4	10MHz	QPSK	20350	50RB#0	-32.91	PASS
Band4	10MHz	64QAM	20000	1RB#0	-32.75	PASS
Band4	10MHz	64QAM	20000	50RB#0	-35.29	PASS
Band4	10MHz	64QAM	20350	1RB#49	-32.65	PASS
Band4	10MHz	64QAM	20350	50RB#0	-33.11	PASS
Band4	10MHz	16QAM	20000	1RB#0	-32.83	PASS
Band4	10MHz	16QAM	20000	50RB#0	-35.42	PASS
Band4	10MHz	16QAM	20350	1RB#49	-32.80	PASS
Band4	10MHz	16QAM	20350	50RB#0	-33.32	PASS
Band4	15MHz	QPSK	20025	1RB#0	-27.20	PASS
Band4	15MHz	QPSK	20025	75RB#0	-34.24	PASS
Band4	15MHz	QPSK	20325	1RB#74	-26.52	PASS
Band4	15MHz	QPSK	20325	75RB#0	-33.64	PASS
Band4	15MHz	64QAM	20025	1RB#0	-27.96	PASS
Band4	15MHz	64QAM	20025	75RB#0	-35.75	PASS
Band4	15MHz	64QAM	20325	1RB#74	-25.66	PASS
Band4	15MHz	64QAM	20325	75RB#0	-33.86	PASS
Band4	15MHz	16QAM	20025	1RB#0	-27.97	PASS
Band4	15MHz	16QAM	20025	75RB#0	-35.67	PASS
Band4	15MHz	16QAM	20325	1RB#74	-25.85	PASS
Band4	15MHz	16QAM	20325	75RB#0	-33.93	PASS
Band4	20MHz	QPSK	20050	1RB#0	-28.61	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.96	PASS
Band4	20MHz	QPSK	20300	1RB#99	-28.25	PASS
Band4	20MHz	QPSK	20300	100RB#0	-34.20	PASS
Band4	20MHz	64QAM	20050	1RB#0	-29.23	PASS
Band4	20MHz	64QAM	20050	100RB#0	-35.94	PASS
Band4	20MHz	64QAM	20300	1RB#99	-28.26	PASS
Band4	20MHz	64QAM	20300	100RB#0	-34.98	PASS
Band4	20MHz	16QAM	20050	1RB#0	-28.88	PASS
Band4	20MHz	16QAM	20050	100RB#0	-35.91	PASS



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

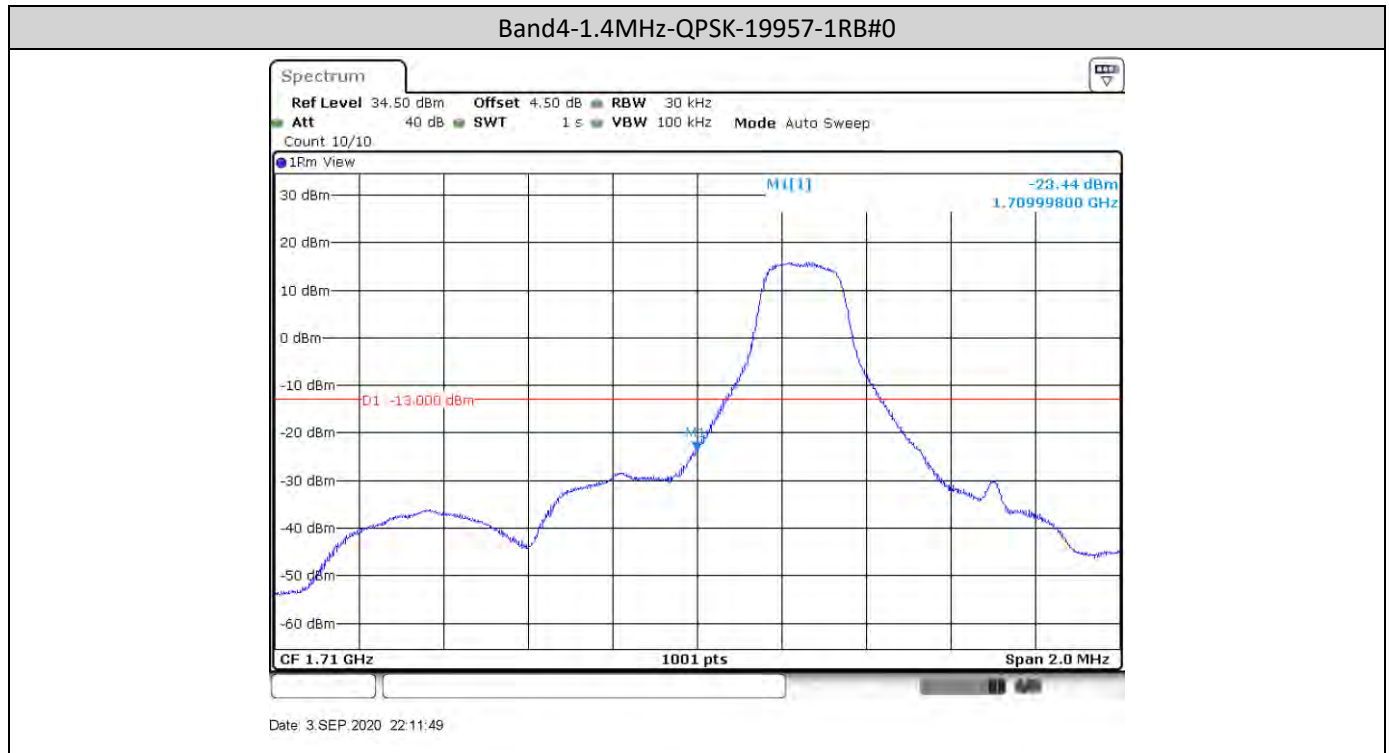
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Band4	20MHz	16QAM	20300	1RB#99	-28.43	PASS
Band4	20MHz	16QAM	20300	100RB#0	-34.98	PASS

5.2. Test Plots



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

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

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



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



Date: 3.SEP.2020 22:12:34

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



Date: 3.SEP.2020 22:13:19



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-QPSK-20393-6RB#0



Date: 3.SEP.2020 22:14:01

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



Date: 3.SEP.2020 23:57:56





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



Date: 3.SEP.2020 23:58:17

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



Date: 3.SEP.2020 23:58:42



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

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

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



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



Date: 3.SEP.2020 23:59:02

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



Date: 3.SEP.2020 22:12:13





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



Date: 3.SEP.2020 22:12:54

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



Date: 3.SEP.2020 22:13:40



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



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



Date: 3.SEP.2020 22:14:21

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



Date: 3.SEP.2020 22:14:47



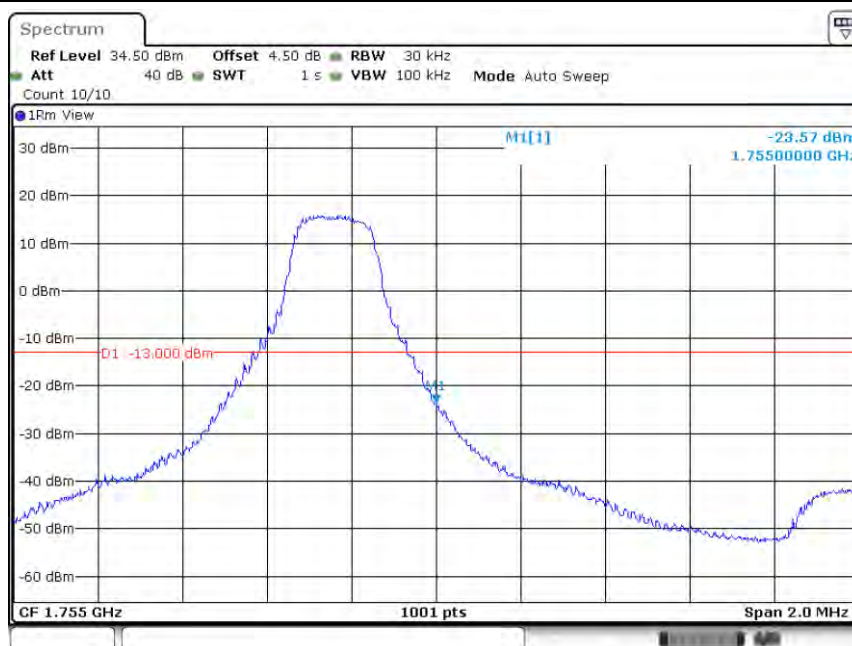


Band4-3MHz-QPSK-19965-15RB#0



Date: 3.SEP.2020 22:15:29

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



Date: 3.SEP.2020 22:16:14



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

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

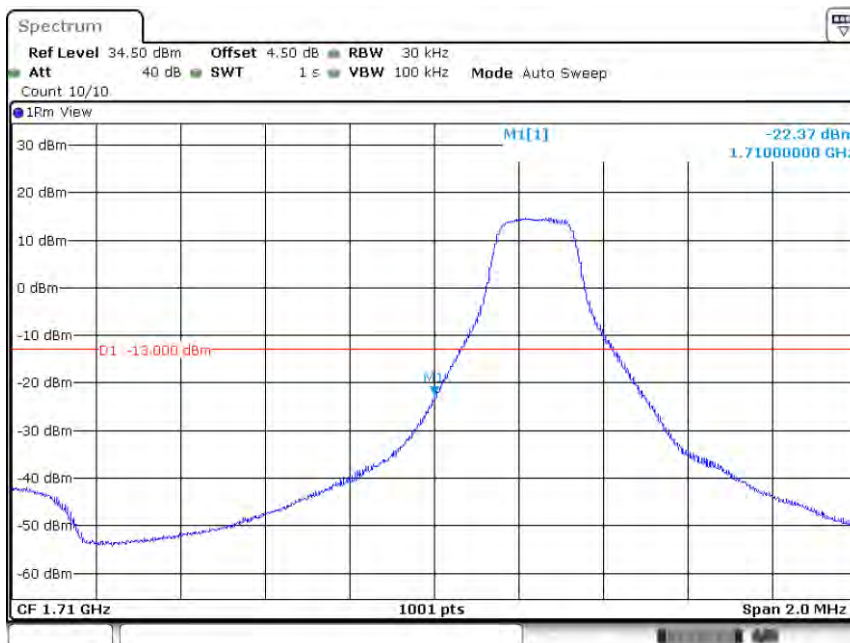


Band4-3MHz-QPSK-20385-15RB#0



Date: 3.SEP.2020 22:16:55

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



Date: 3.SEP.2020 23:59:28



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

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

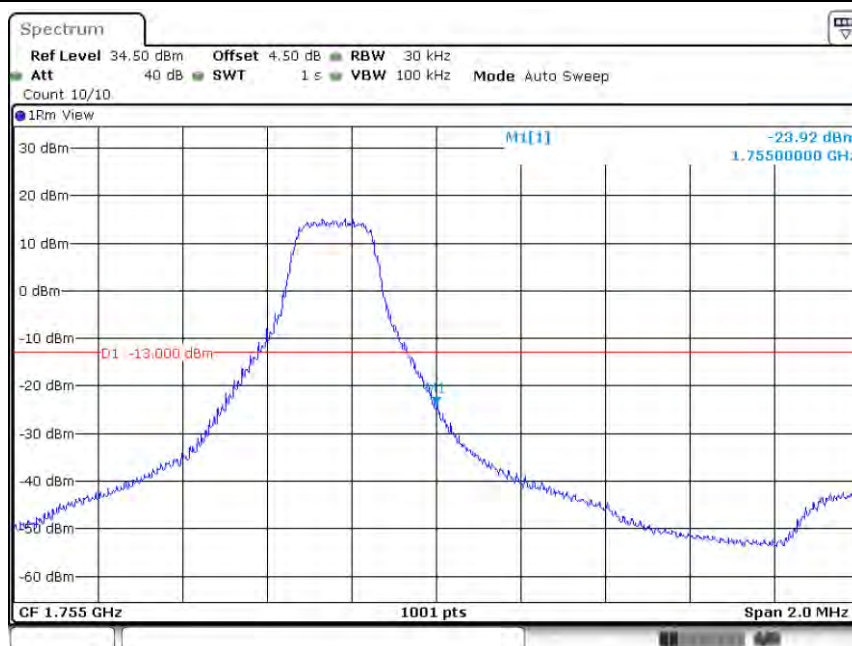


Band4-3MHz-64QAM-19965-15RB#0



Date: 3.SEP.2020 23:59:49

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



Date: 4.SEP.2020 00:00:14



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

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

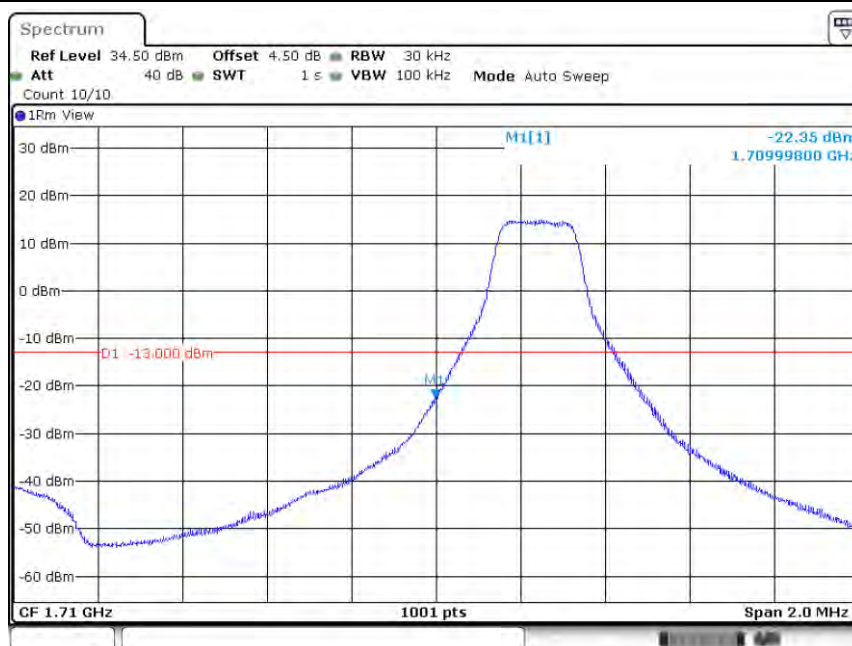


Band4-3MHz-64QAM-20385-15RB#0



Date: 4.SEP.2020 00:00:35

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



Date: 3.SEP.2020 22:15:08



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

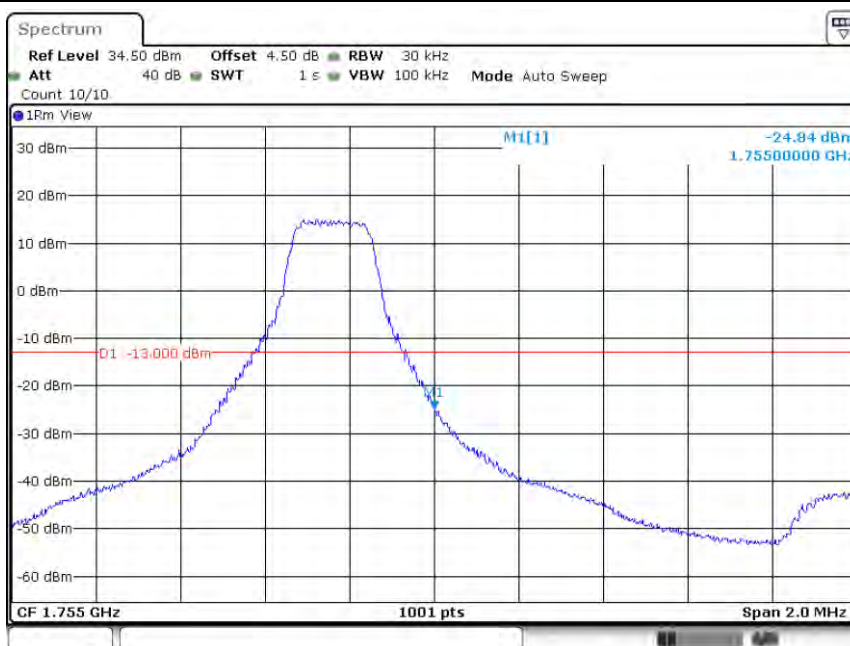


Band4-3MHz-16QAM-19965-15RB#0



Date: 3.SEP.2020 22:15:49

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



Date: 3.SEP.2020 22:16:35



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

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

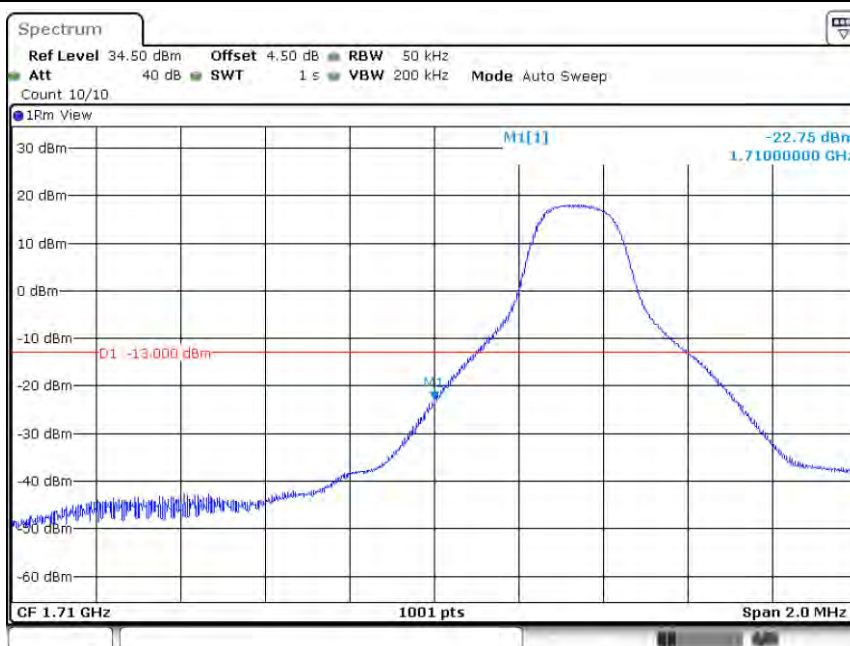


Band4-3MHz-16QAM-20385-15RB#0



Date: 3.SEP.2020 22:17:16

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

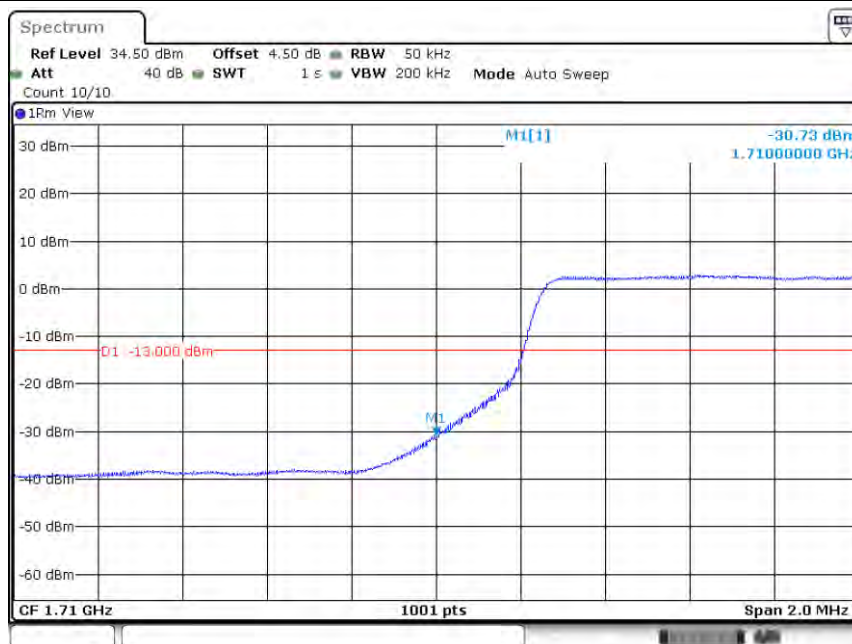


Date: 3.SEP.2020 22:17:41



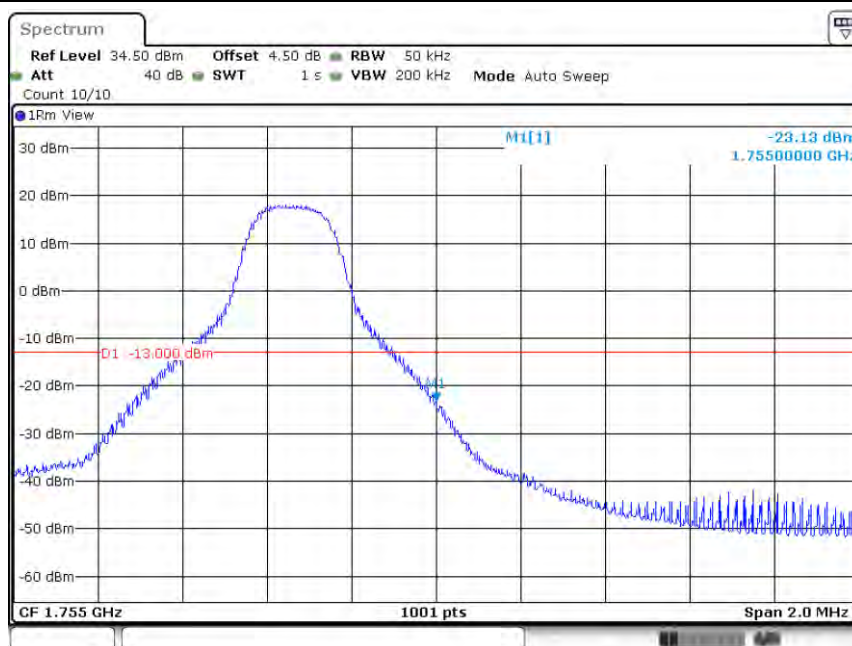


Band4-5MHz-QPSK-19975-25RB#0



Date: 3.SEP.2020 22:18:23

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



Date: 3.SEP.2020 22:19:09

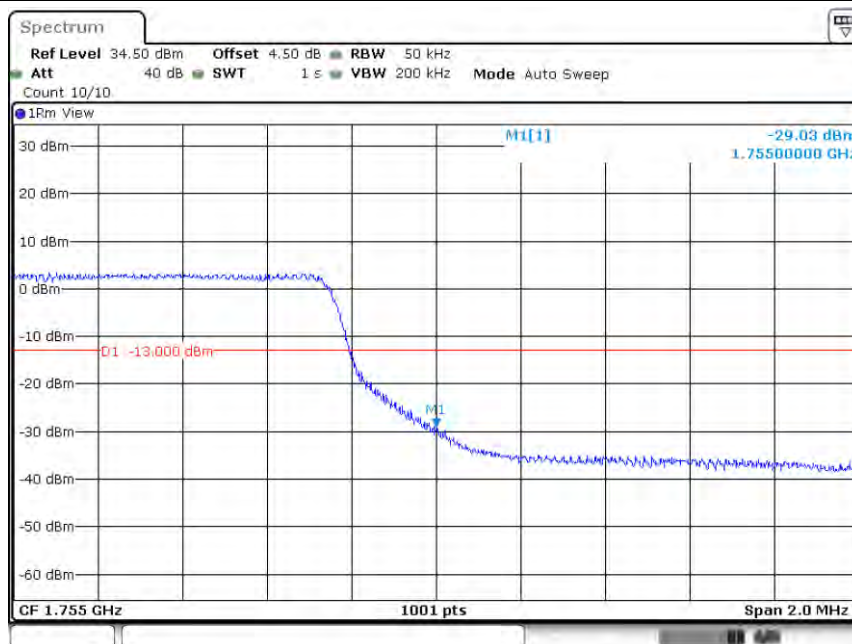


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

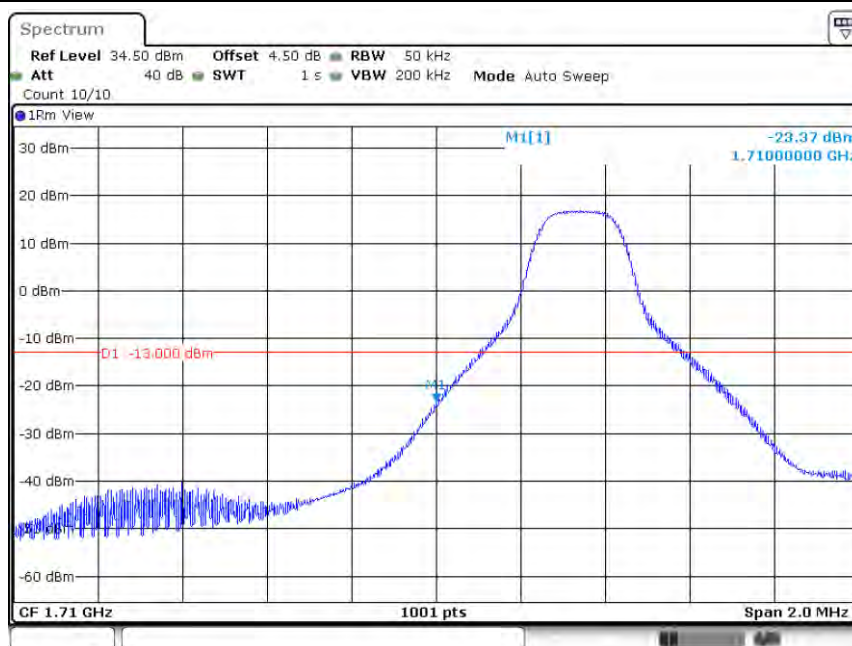


Band4-5MHz-QPSK-20375-25RB#0



Date: 3.SEP.2020 22:19:50

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



Date: 4.SEP.2020 00:01:00



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

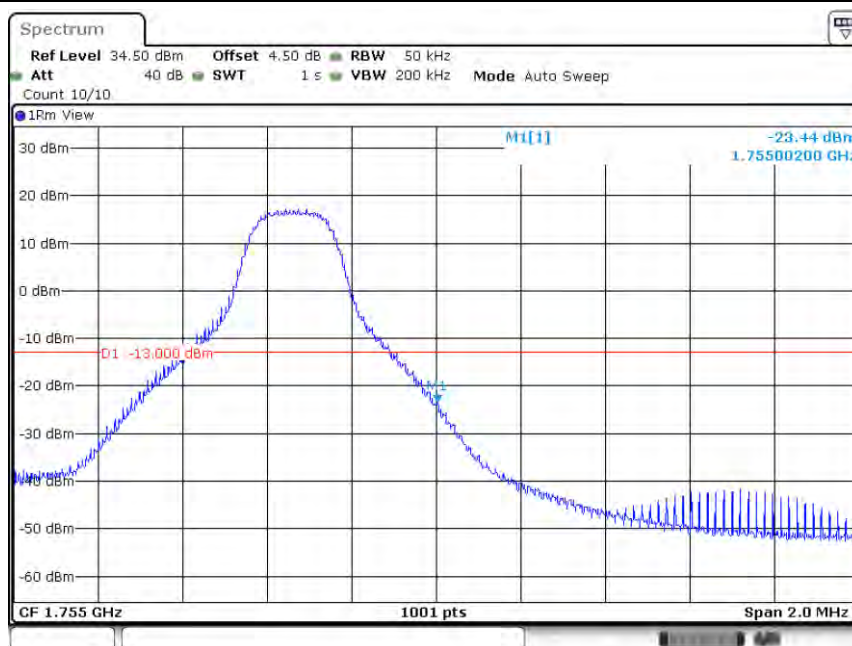


Band4-5MHz-64QAM-19975-25RB#0



Date: 4.SEP.2020 00:01:21

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



Date: 4.SEP.2020 00:01:46



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

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

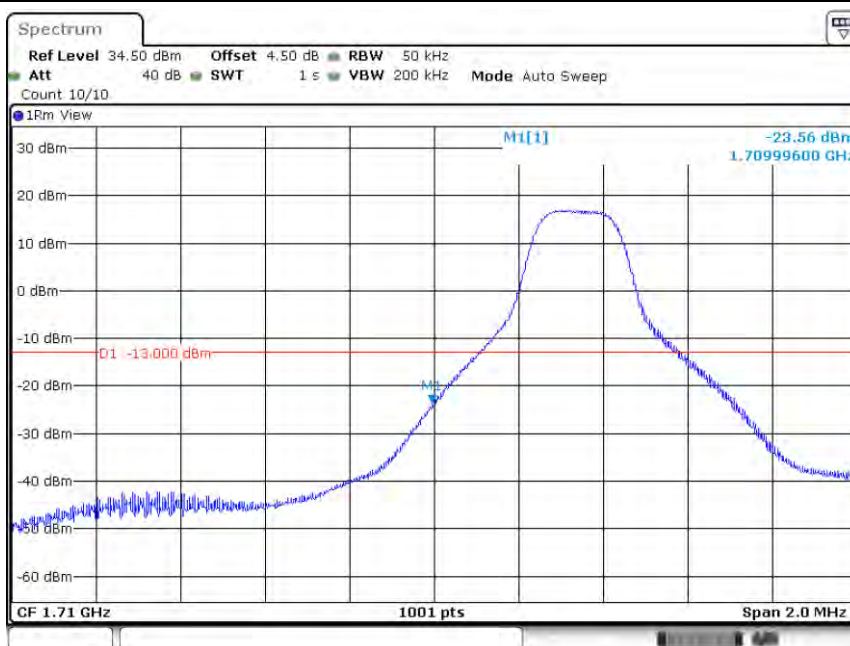


Band4-5MHz-64QAM-20375-25RB#0



Date: 4.SEP.2020 00:02:07

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



Date: 3.SEP.2020 22:18:02



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

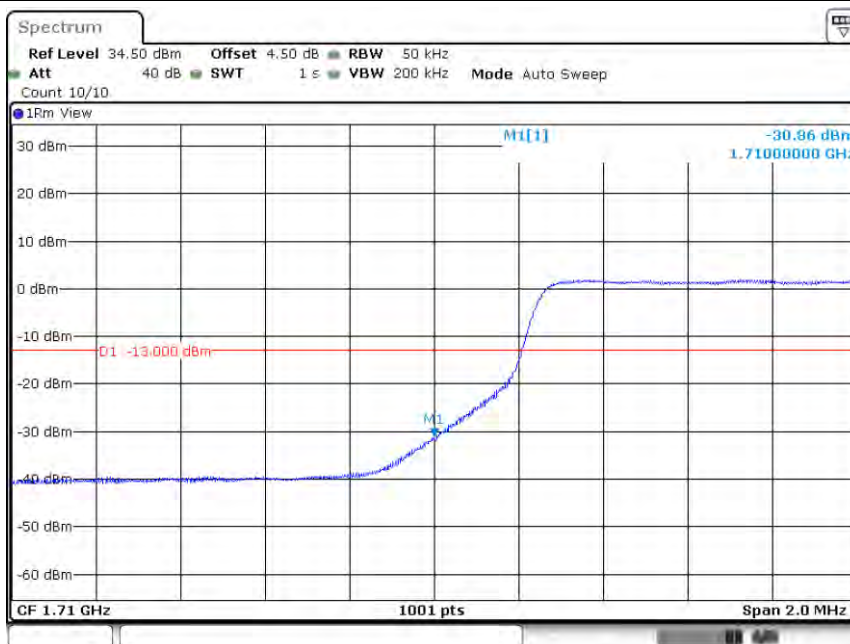
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

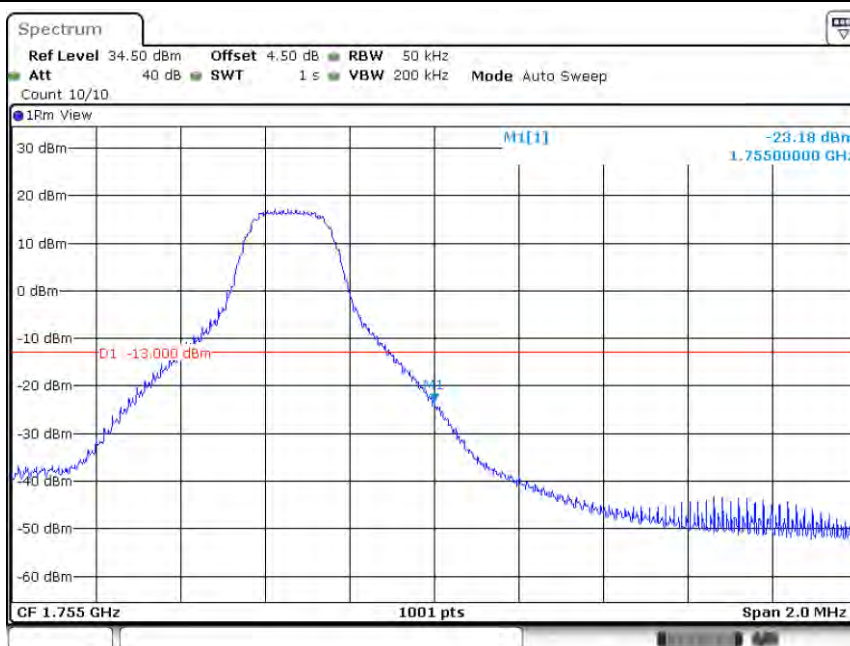


Band4-5MHz-16QAM-19975-25RB#0



Date: 3.SEP.2020 22:18:44

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



Date: 3.SEP.2020 22:19:29

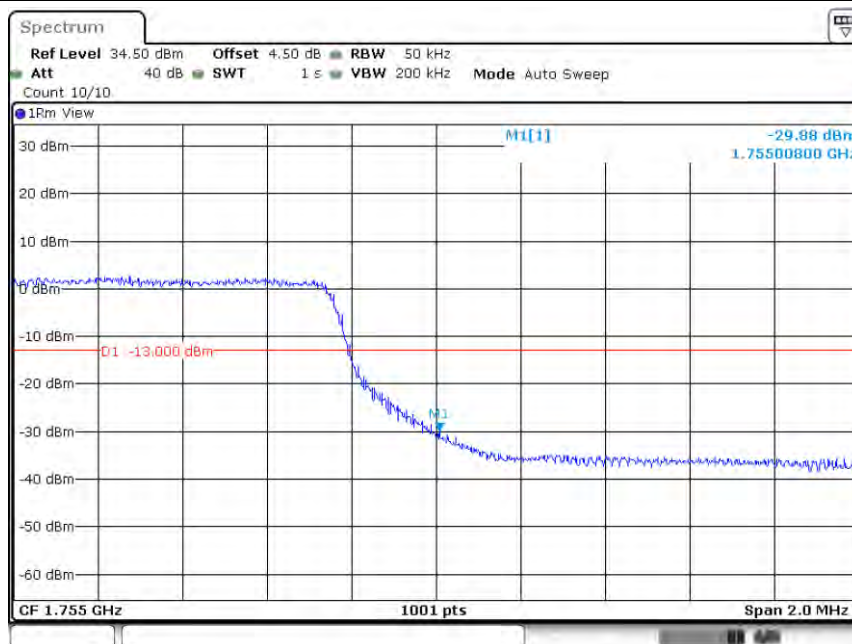


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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



Date: 3.SEP.2020 22:20:10

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



Date: 3.SEP.2020 22:20:36



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

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

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

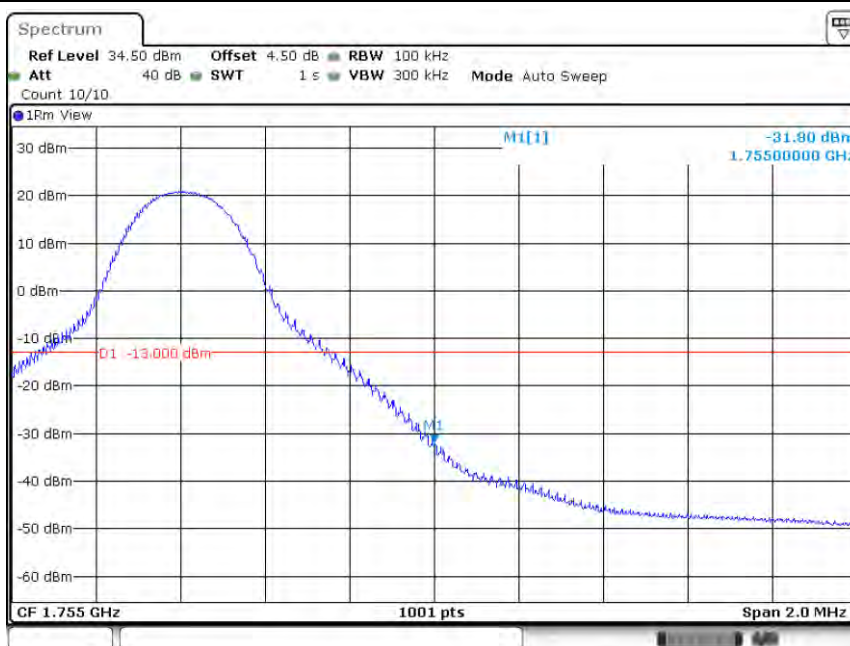


Band4-10MHz-QPSK-20000-50RB#0



Date: 3.SEP.2020 22:21:18

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



Date: 3.SEP.2020 22:22:03



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



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



Date: 3.SEP.2020 22:22:45

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



Date: 4.SEP.2020 00:02:33



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

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

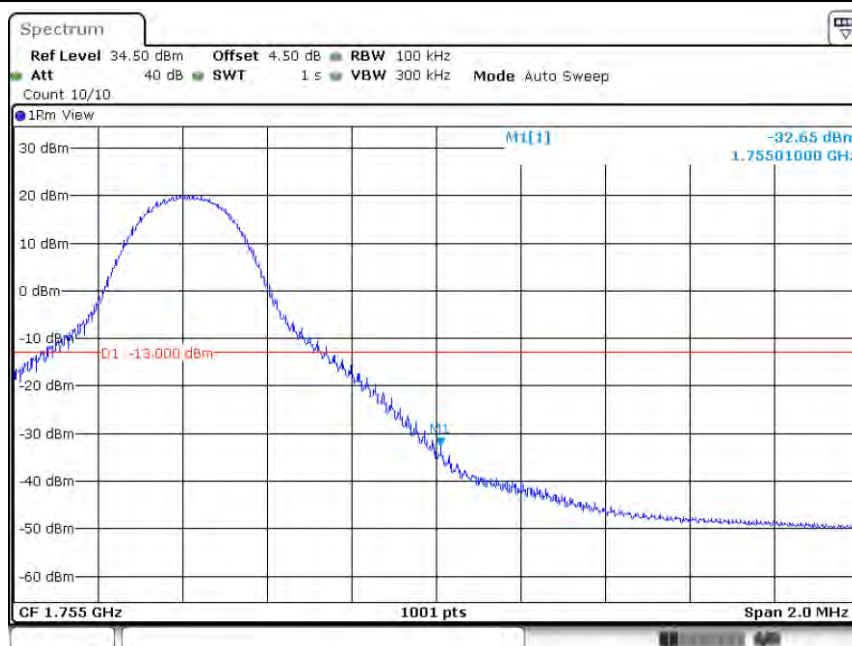


Band4-10MHz-64QAM-20000-50RB#0



Date: 4.SEP.2020 00:02:53

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



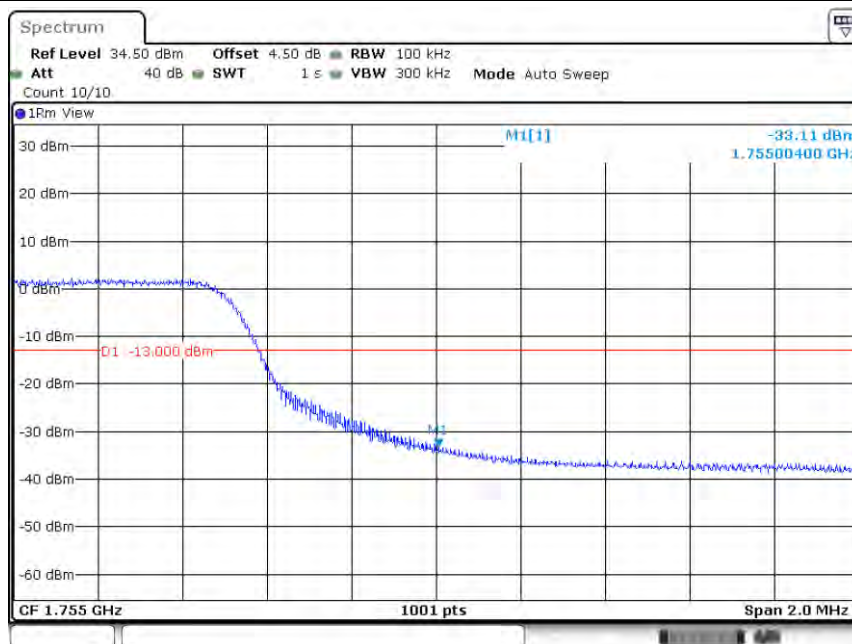
Date: 4.SEP.2020 00:03:18



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



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



Date: 4.SEP.2020 00:03:39

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



Date: 3.SEP.2020 22:20:57



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

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

Member of the SGS Group (SGS SA)

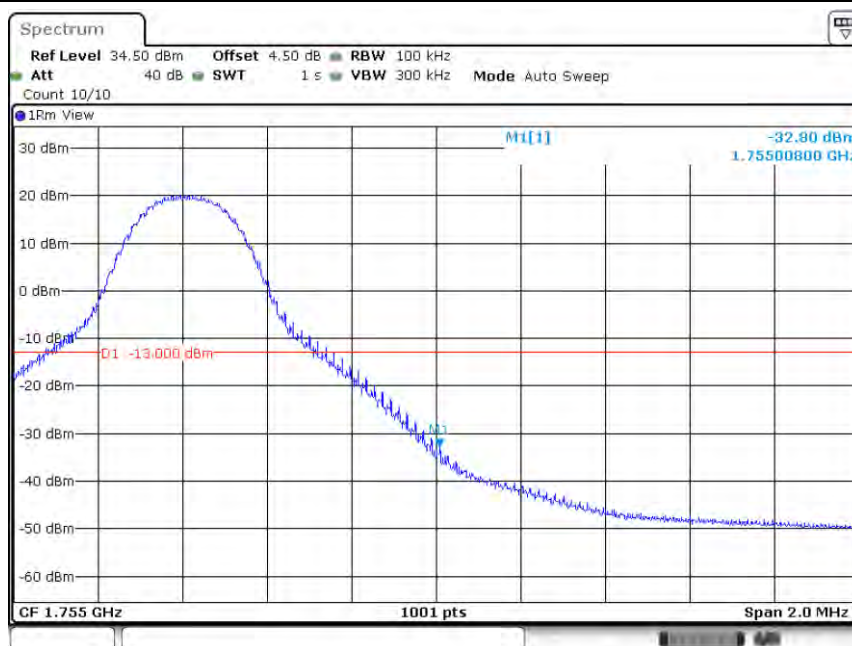


Band4-10MHz-16QAM-20000-50RB#0



Date: 3.SEP.2020 22:21:38

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



Date: 3.SEP.2020 22:22:24



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

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

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



Date: 3 SEP 2020 22:23:05

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



Date: 3 SEP 2020 22:23:31



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

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

中国·深圳·科技园中区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: 3.SEP.2020 22:24:12

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



Date: 3.SEP.2020 22:24:58

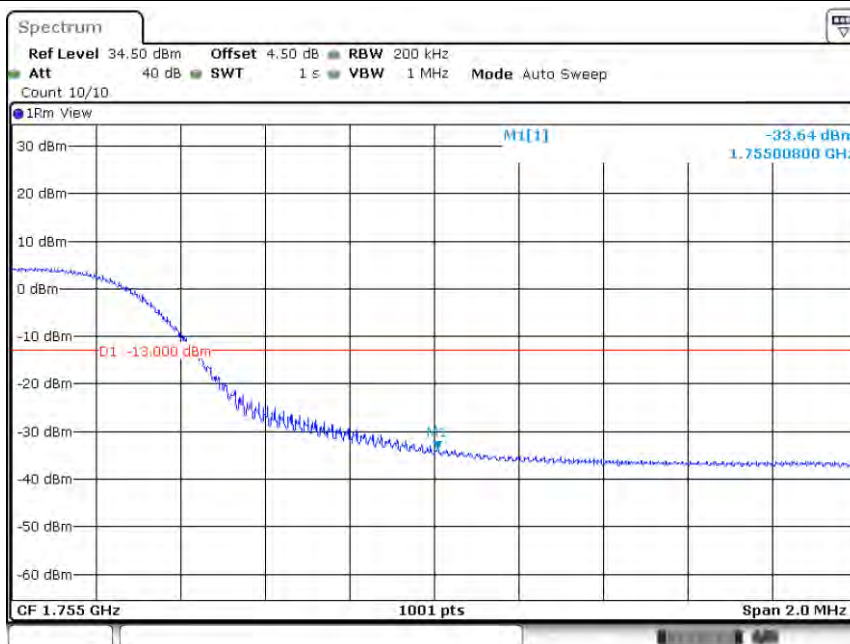


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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



Date: 3.SEP.2020 22:25:39

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



Date: 4.SEP.2020 00:04:04



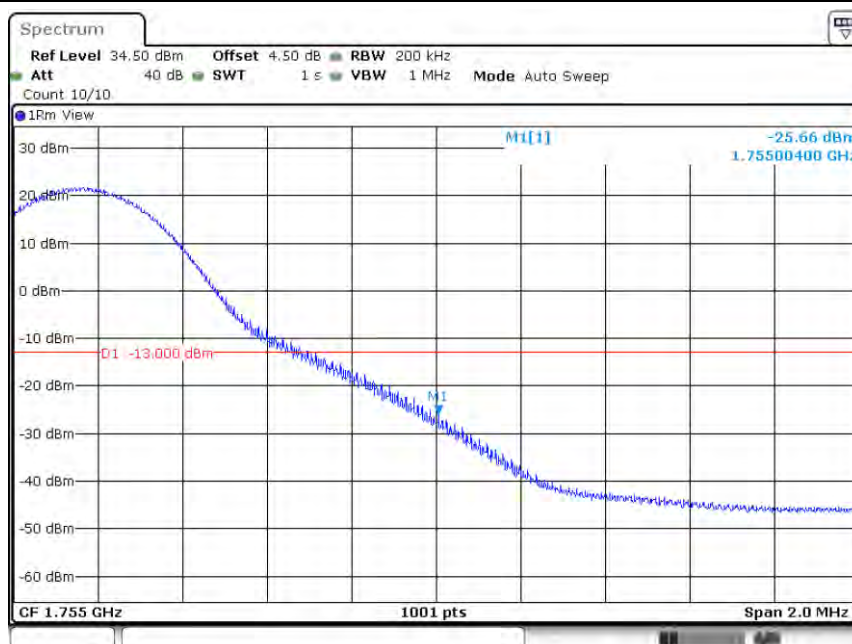


Band4-15MHz-64QAM-20025-75RB#0



Date: 4.SEP.2020 00:04:25

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



Date: 4.SEP.2020 00:04:51

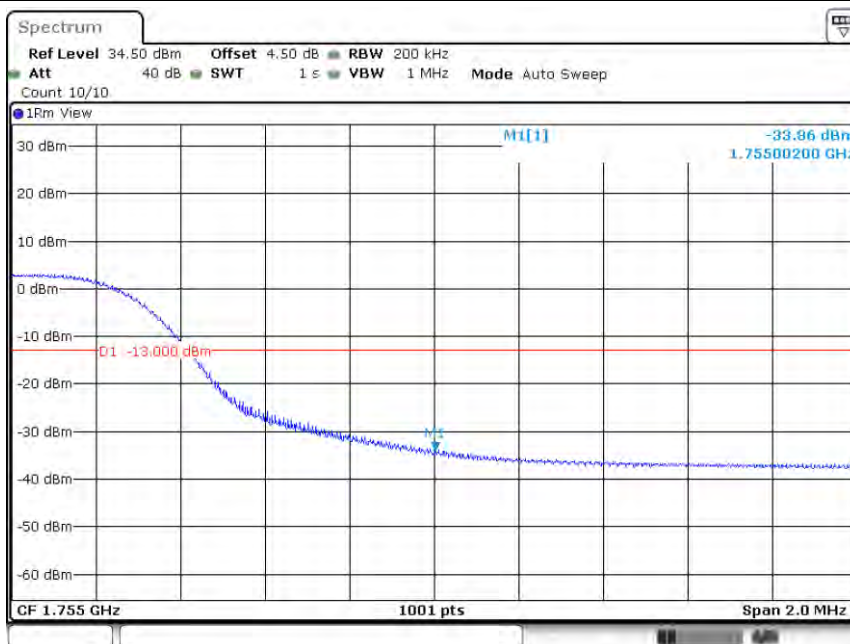


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

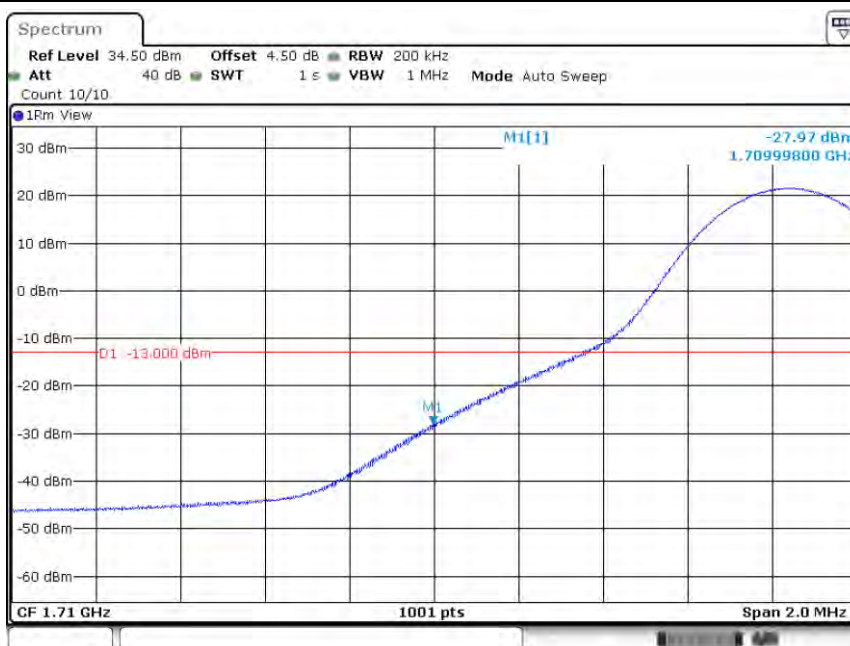


Band4-15MHz-64QAM-20325-75RB#0



Date: 4.SEP.2020 00:05:11

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



Date: 3.SEP.2020 22:23:51



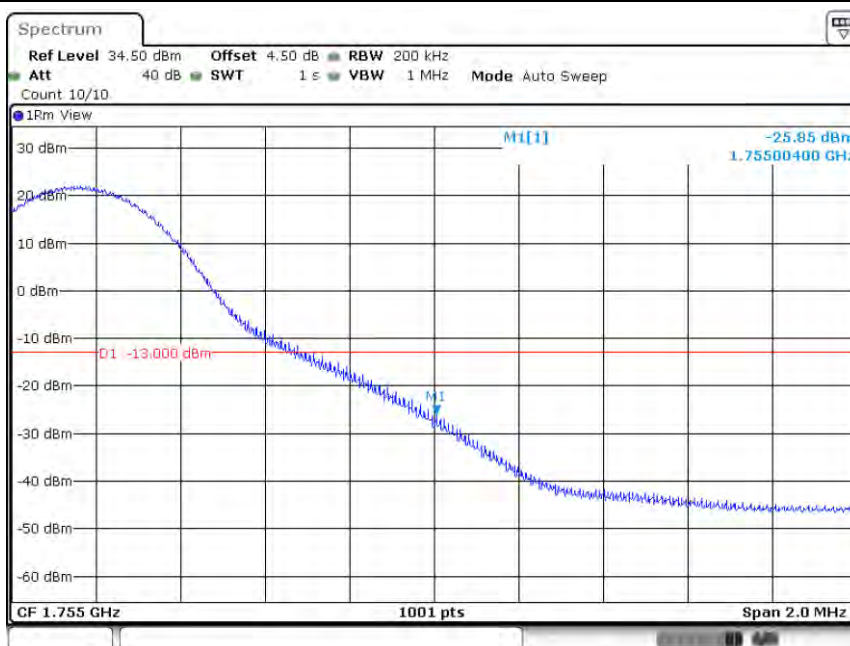


Band4-15MHz-16QAM-20025-75RB#0



Date: 3.SEP.2020 22:24:32

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



Date: 3.SEP.2020 22:25:18



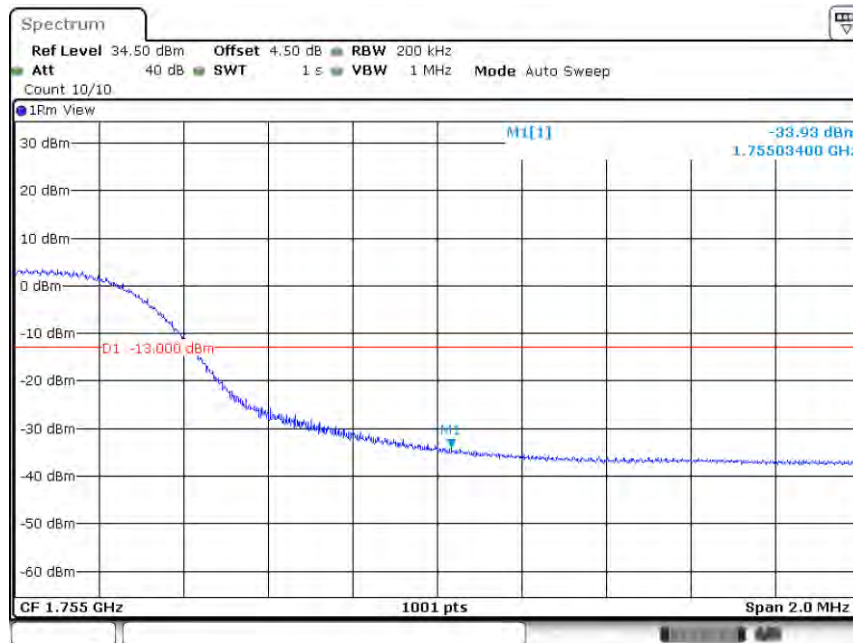
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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

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



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



Date: 3.SEP.2020 22:25:59

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



Date: 3.SEP.2020 22:26:25



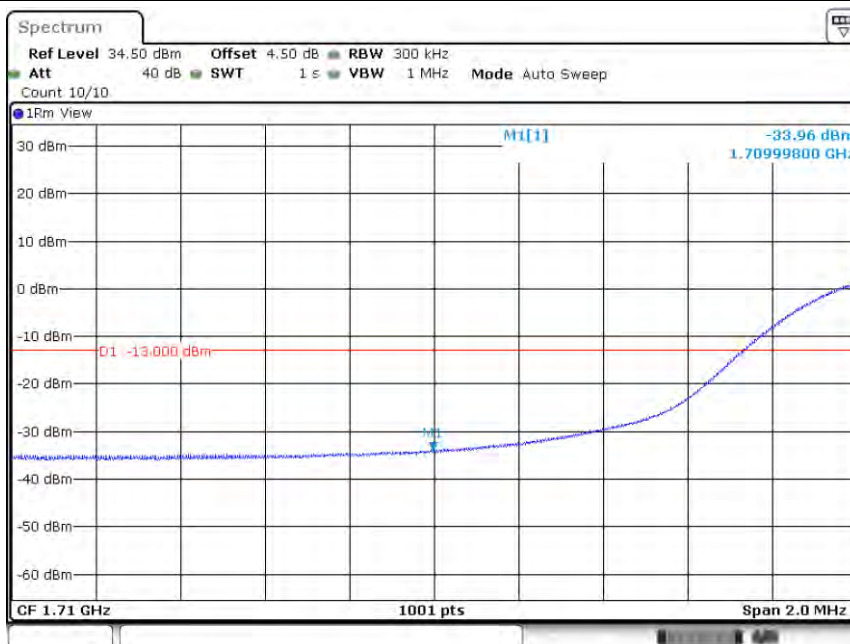
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

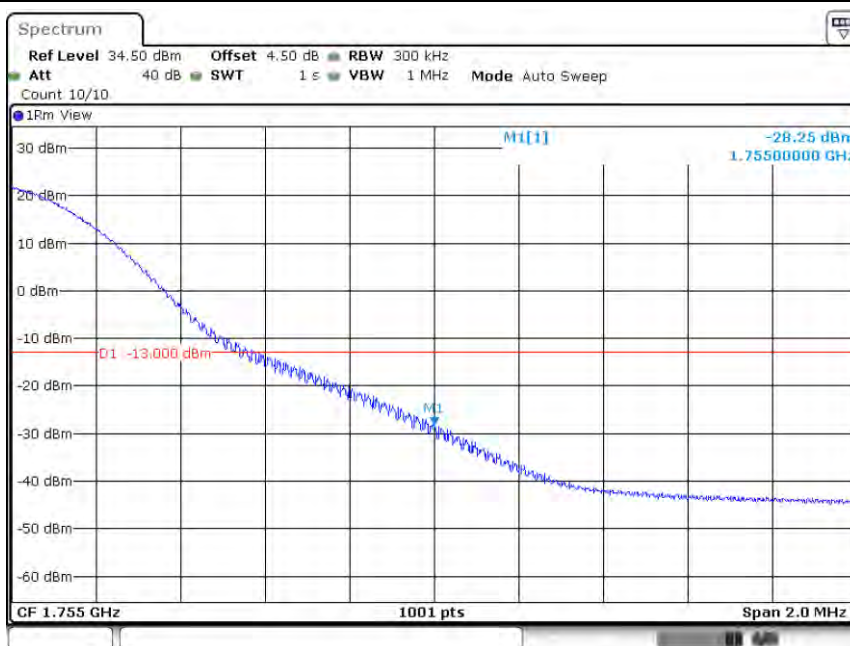


Band4-20MHz-QPSK-20050-100RB#0



Date: 3.SEP.2020 22:27:06

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



Date: 3.SEP.2020 22:27:52

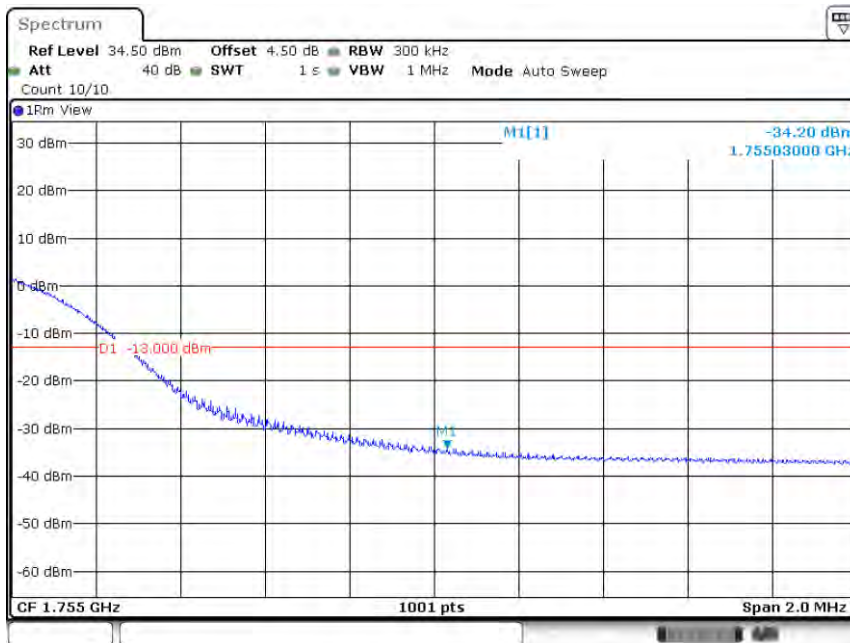


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



Date: 3.SEP.2020 22:28:33

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



Date: 4.SEP.2020 00:05:37



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

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

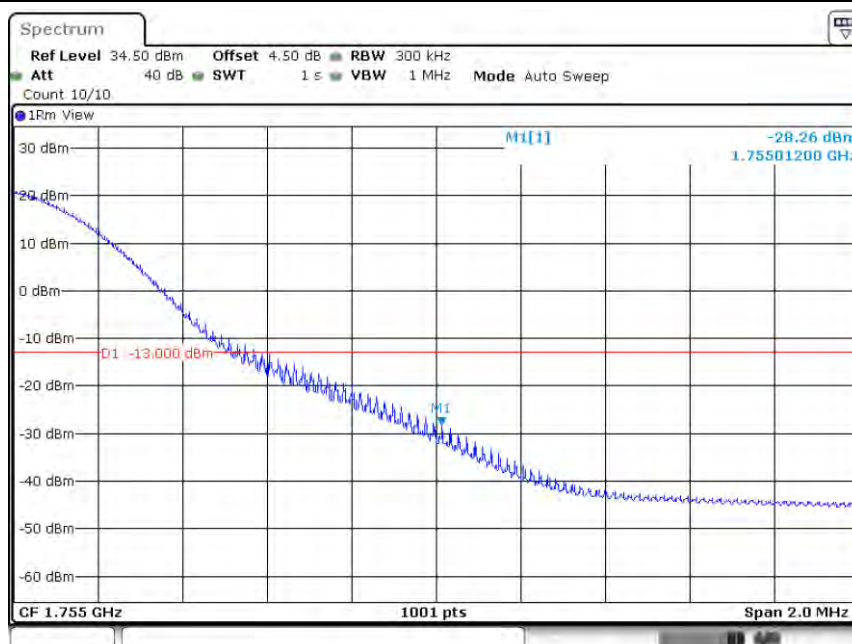


Band4-20MHz-64QAM-20050-100RB#0



Date: 4.SEP.2020 00:05:57

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



Date: 4.SEP.2020 00:06:23

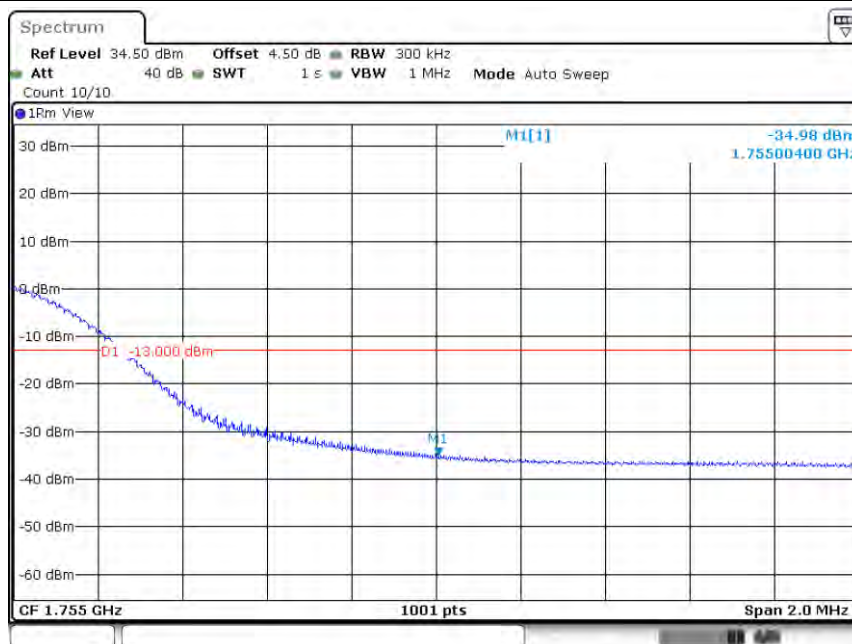


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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

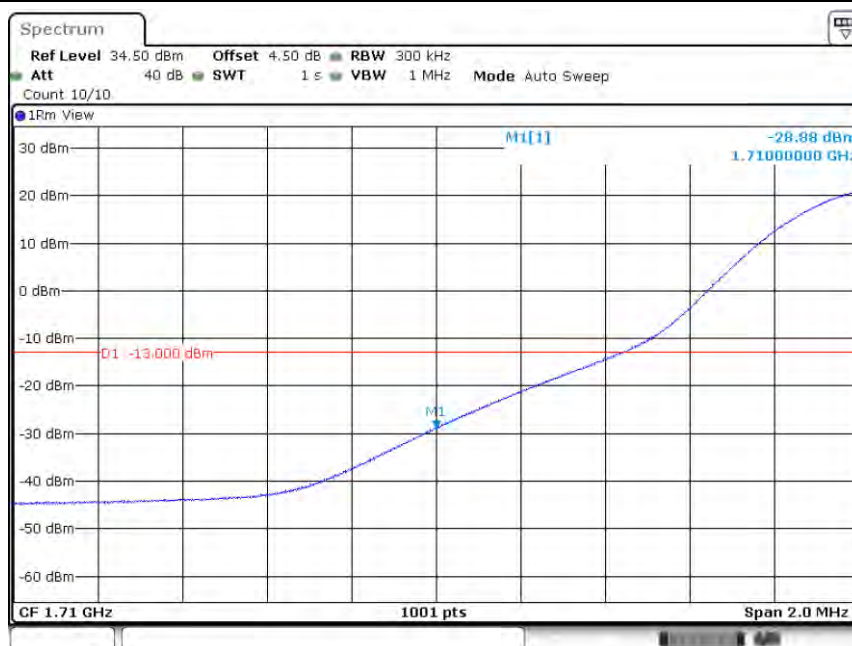
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 4 SEP 2020 00:06:43

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



Date: 3 SEP 2020 22:26:46



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

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

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

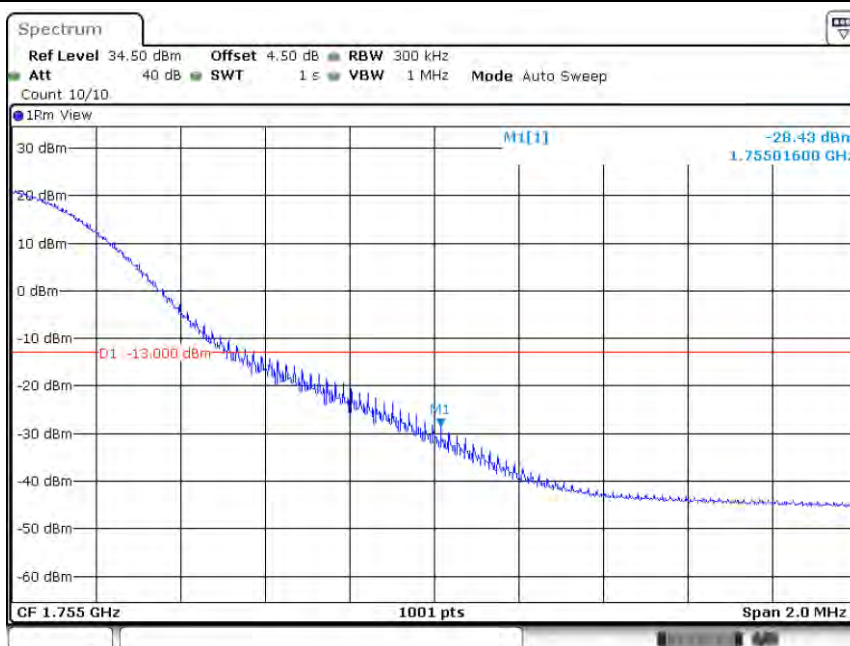


Band4-20MHz-16QAM-20050-100RB#0



Date: 3.SEP.2020 22:27:27

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



Date: 3.SEP.2020 22:28:12



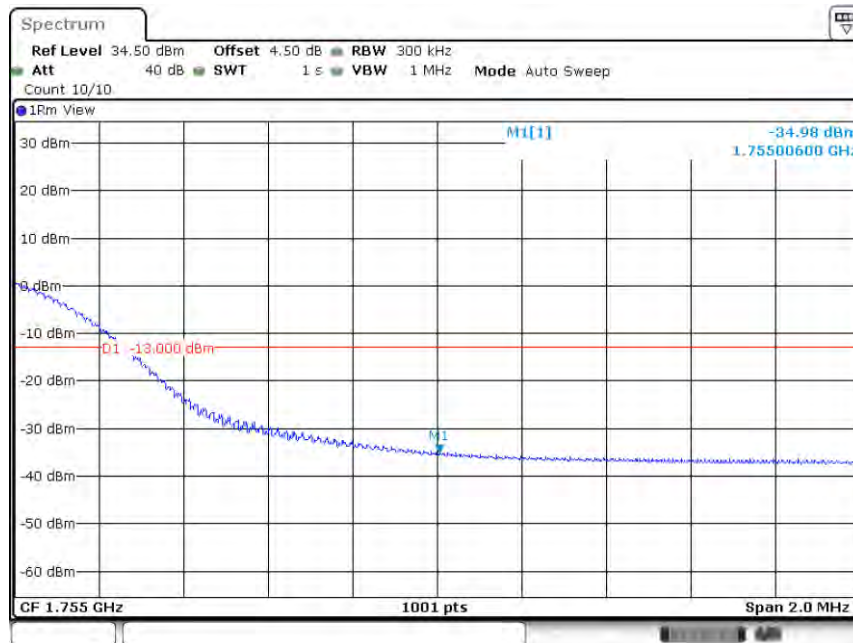
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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

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



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



Date: 3.SEP.2020 22:28:53



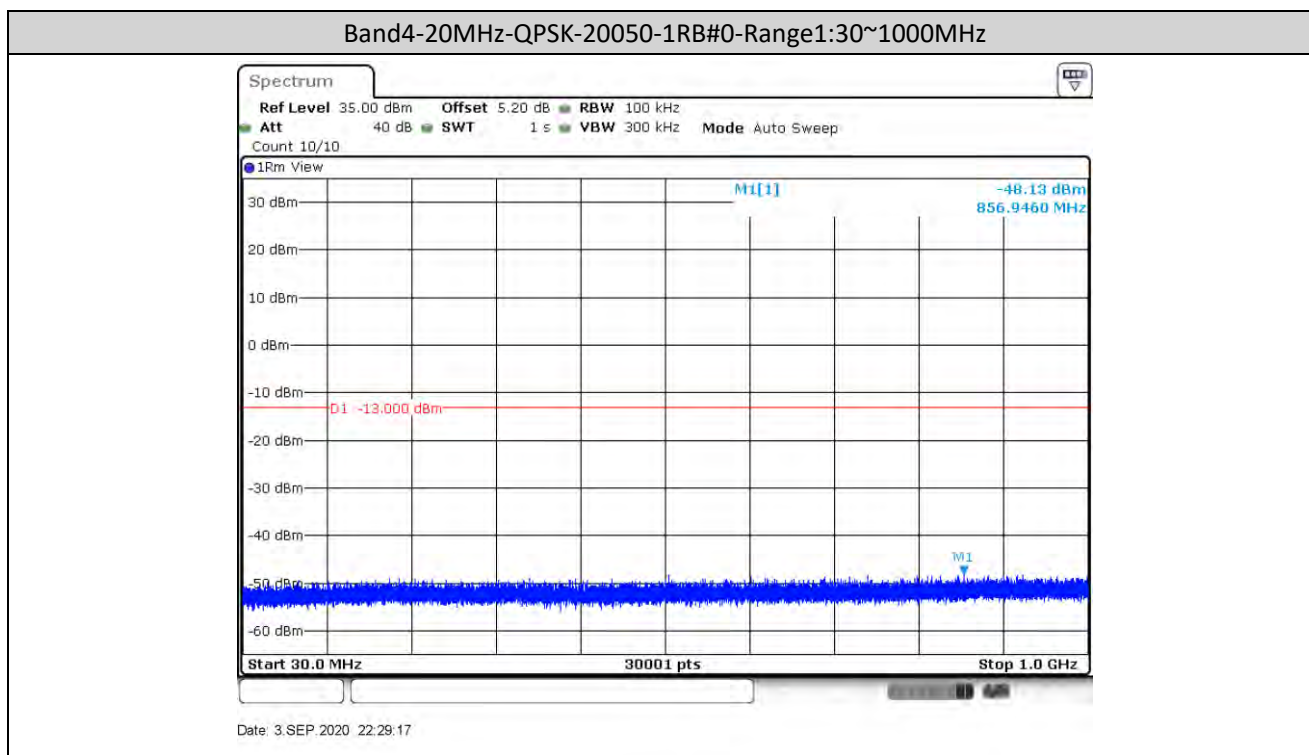


6. Spurious Emission at Antenna Terminal

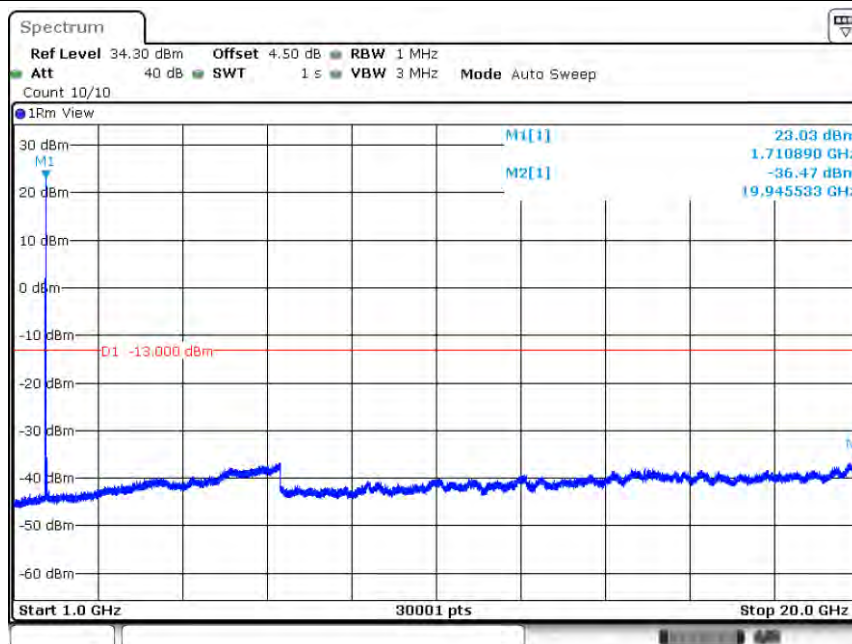
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

6.1. Test Plots

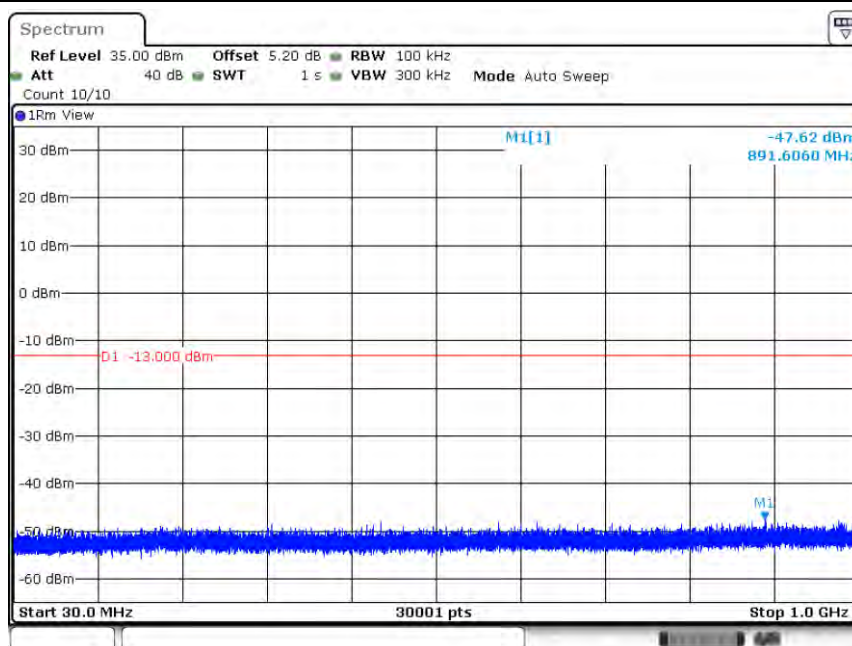


Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 3.SEP.2020 22:29:33

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



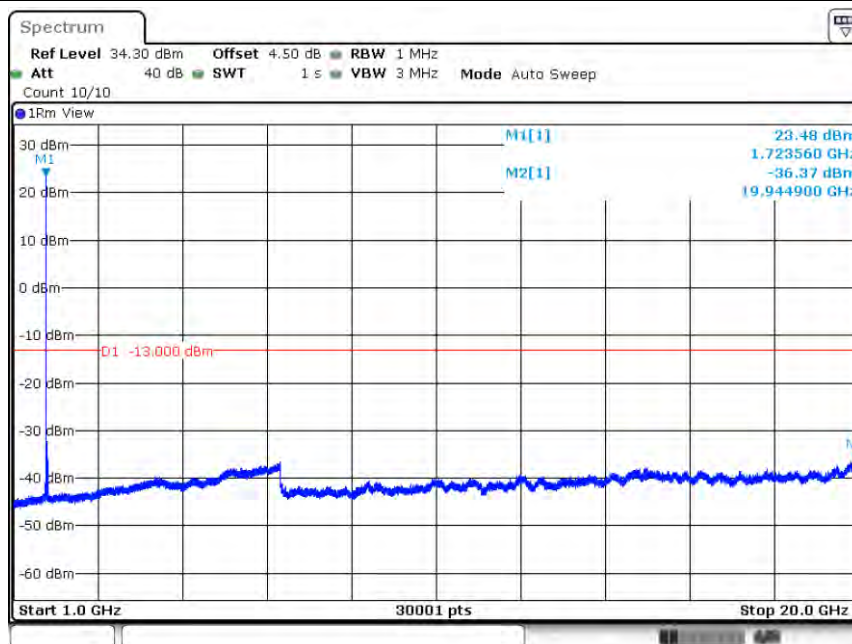
Date: 3.SEP.2020 22:30:27



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

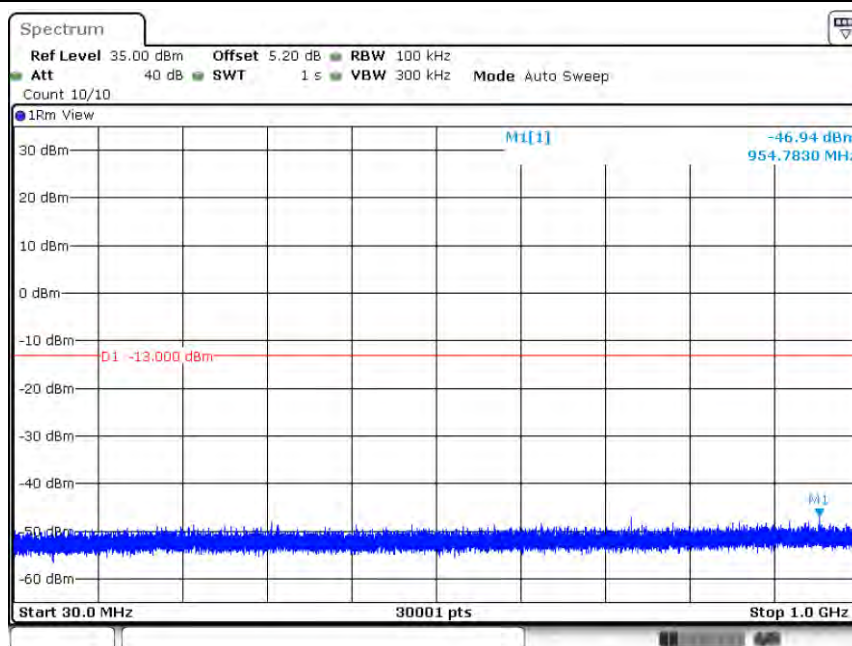
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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: 3.SEP.2020 22:30:43

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



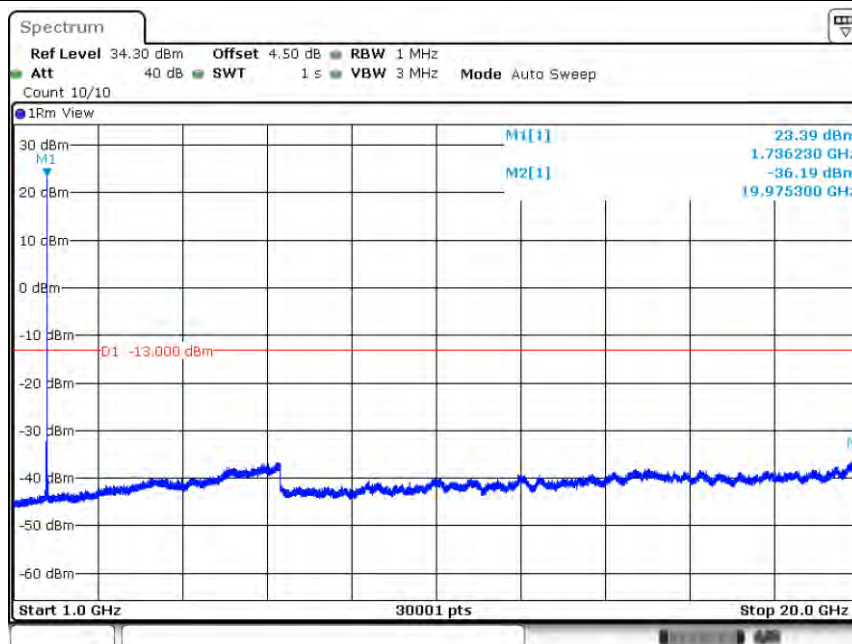
Date: 3.SEP.2020 22:31:37



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

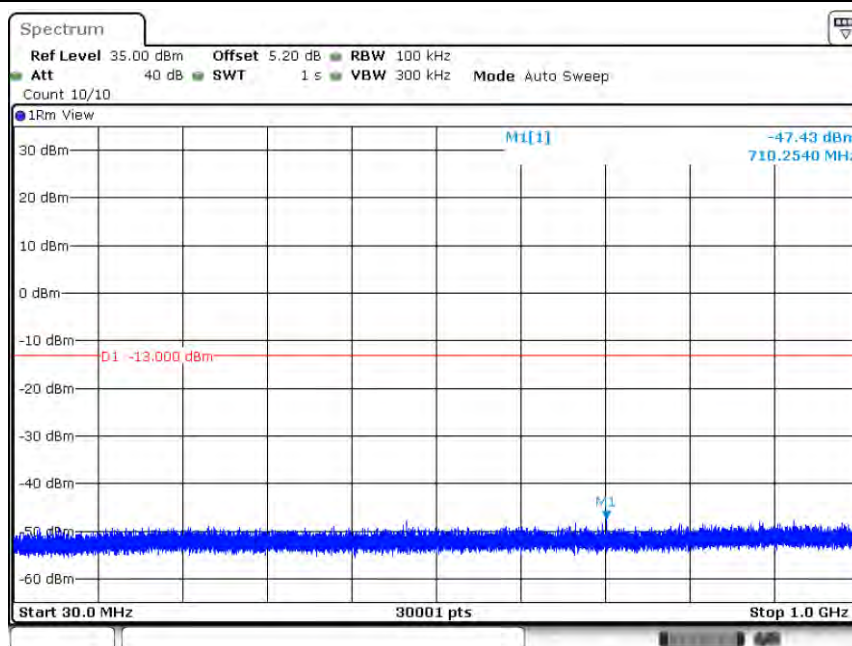
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 3.SEP.2020 22:31:53

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



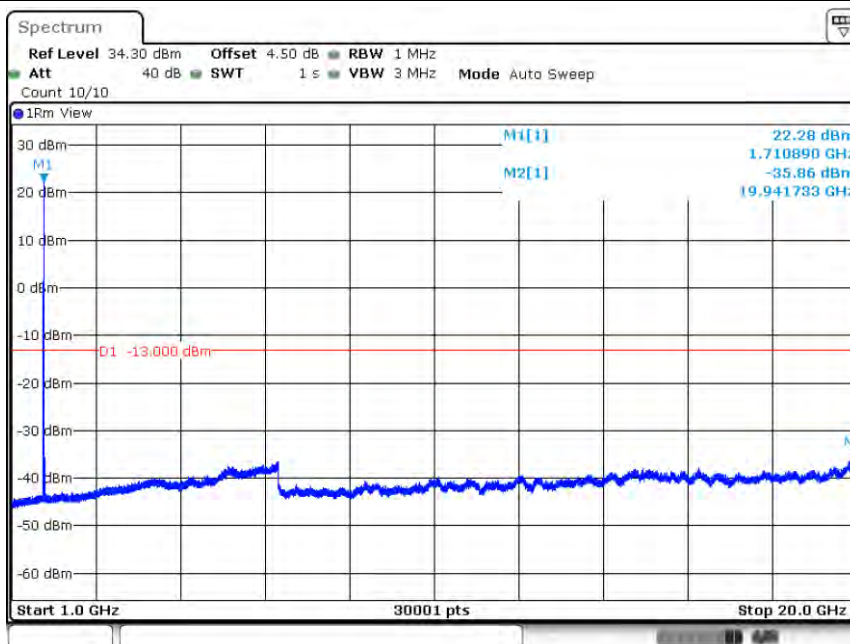
Date: 4.SEP.2020 00:07:07



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

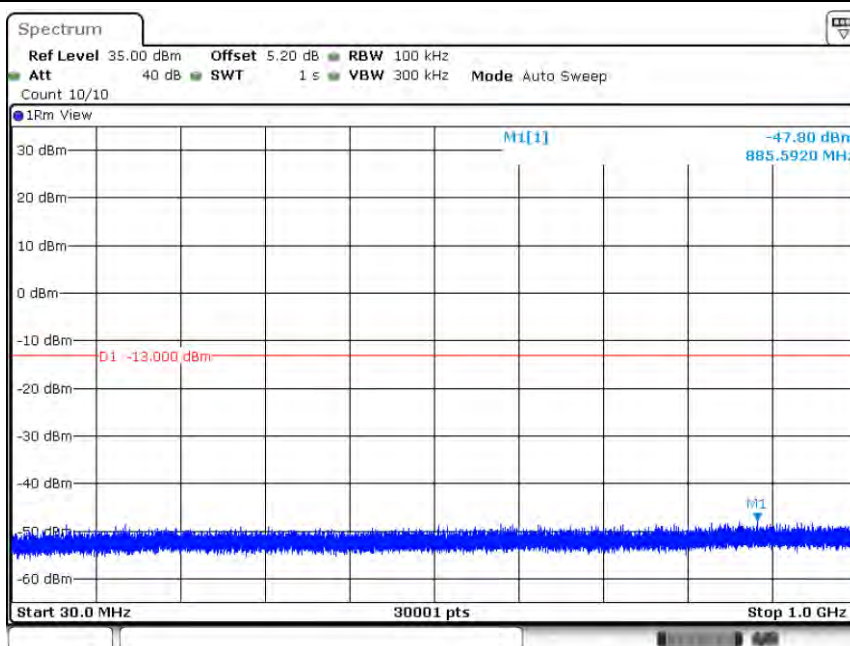
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 4.SEP.2020 00:07:23

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



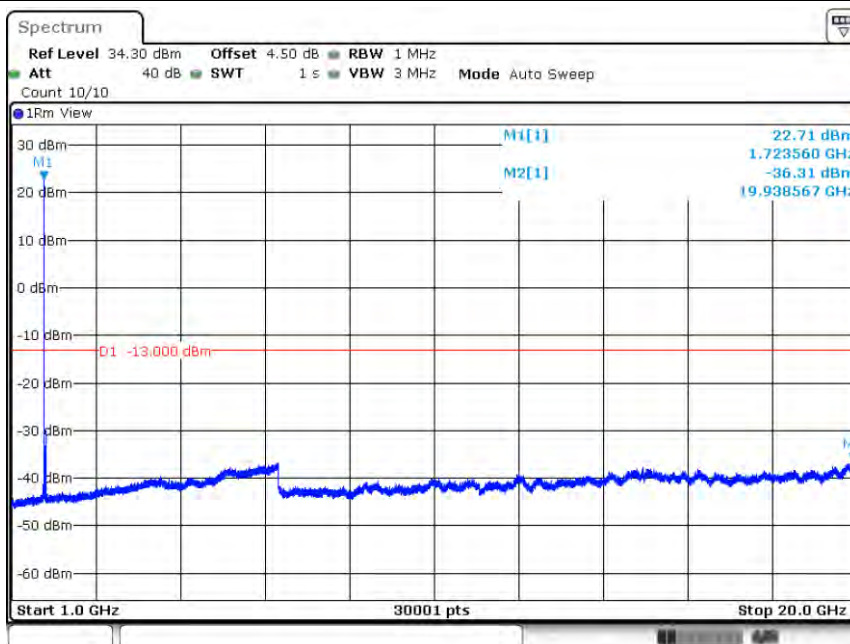
Date: 4.SEP.2020 00:07:42



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.

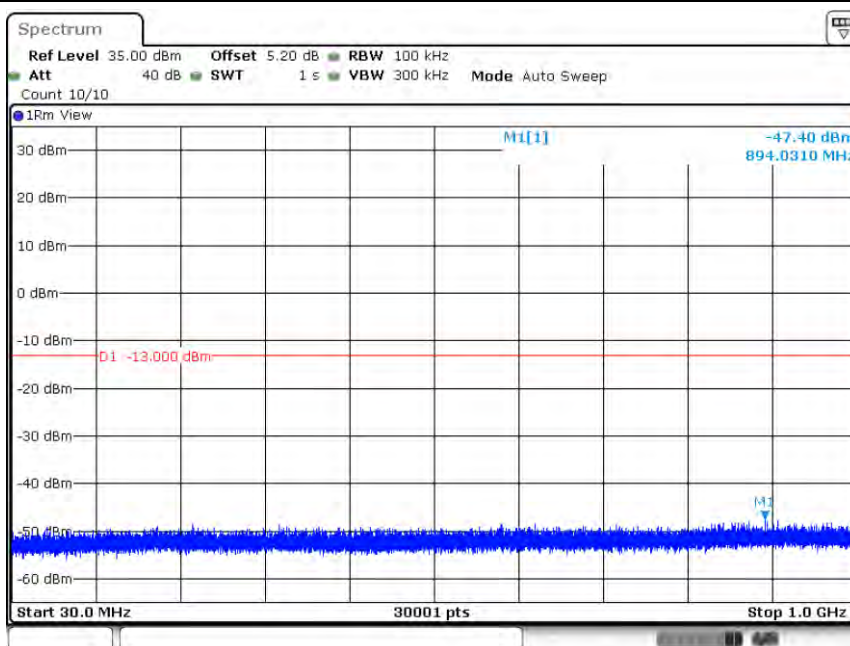
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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: 4.SEP.2020 00:07:58

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



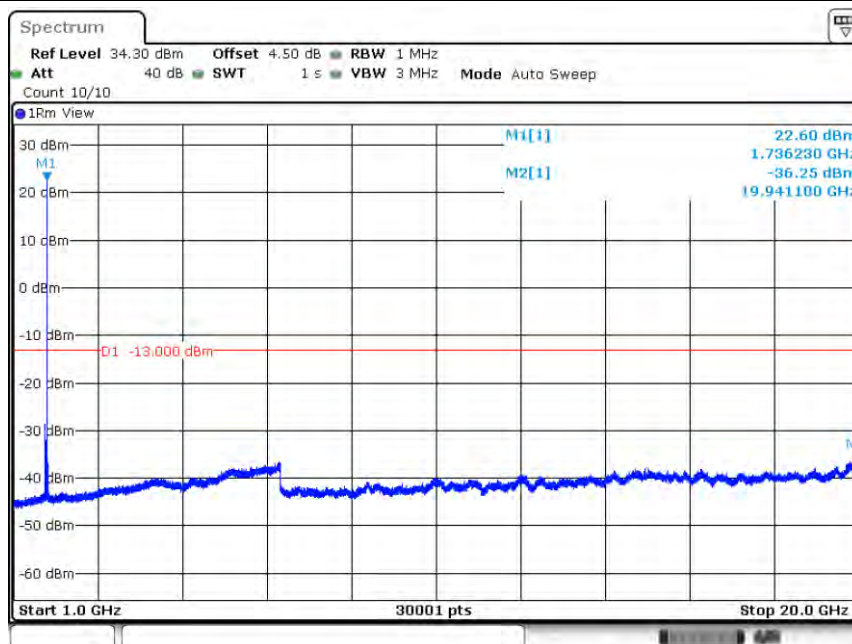
Date: 4.SEP.2020 00:08:17



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.

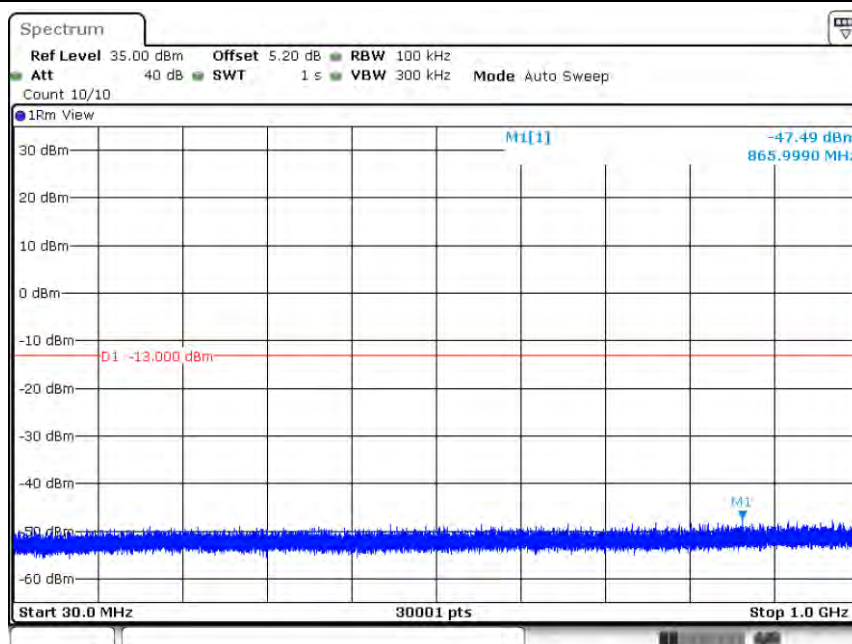
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 4.SEP.2020 00:08:34

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



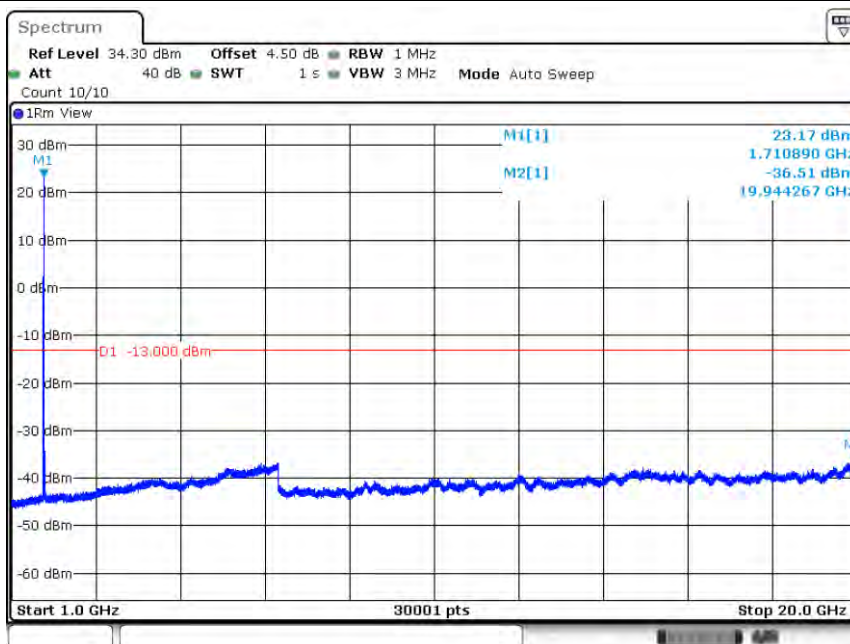
Date: 3.SEP.2020 22:29:51



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.

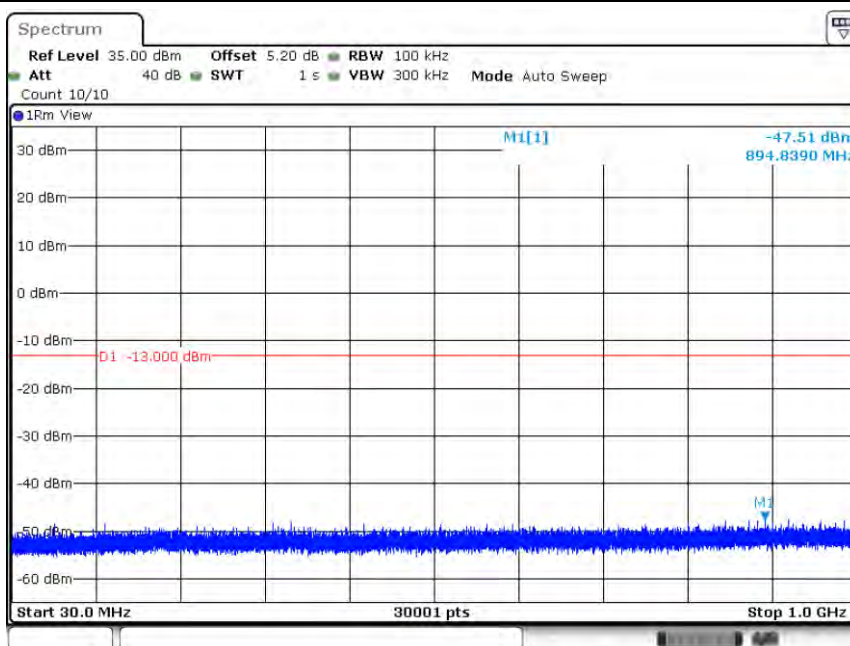
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 3.SEP.2020 22:30:08

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



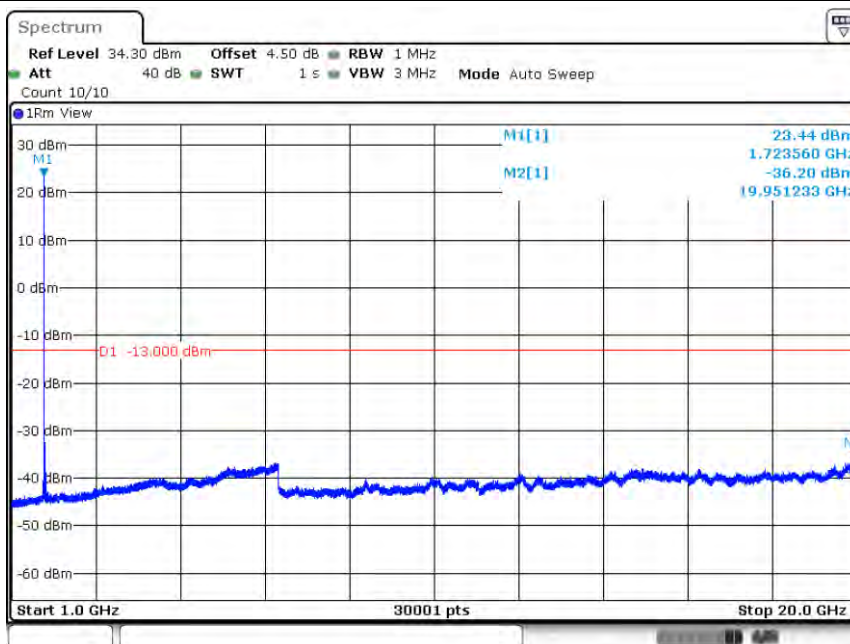
Date: 3.SEP.2020 22:31:02



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.

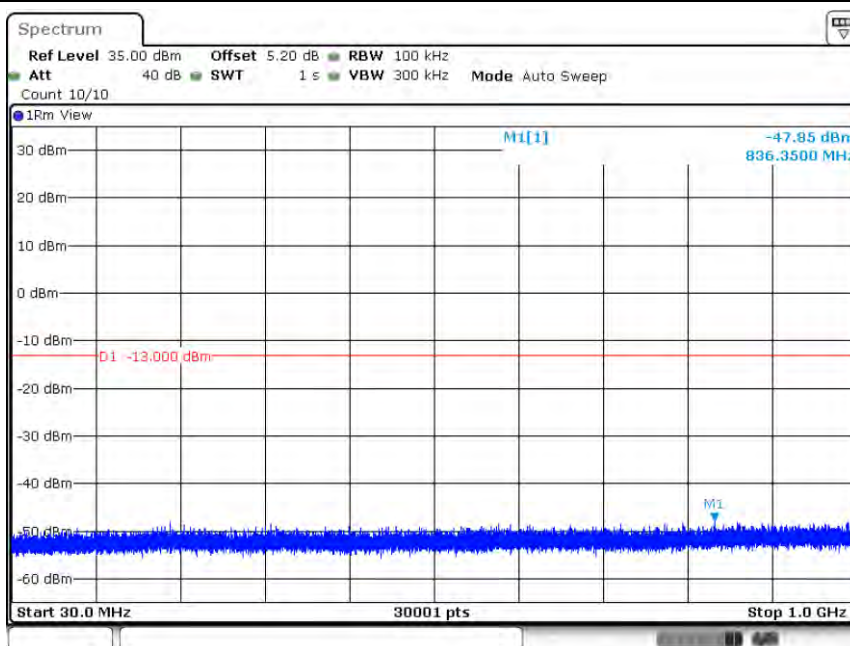
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 3.SEP.2020 22:31:18

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



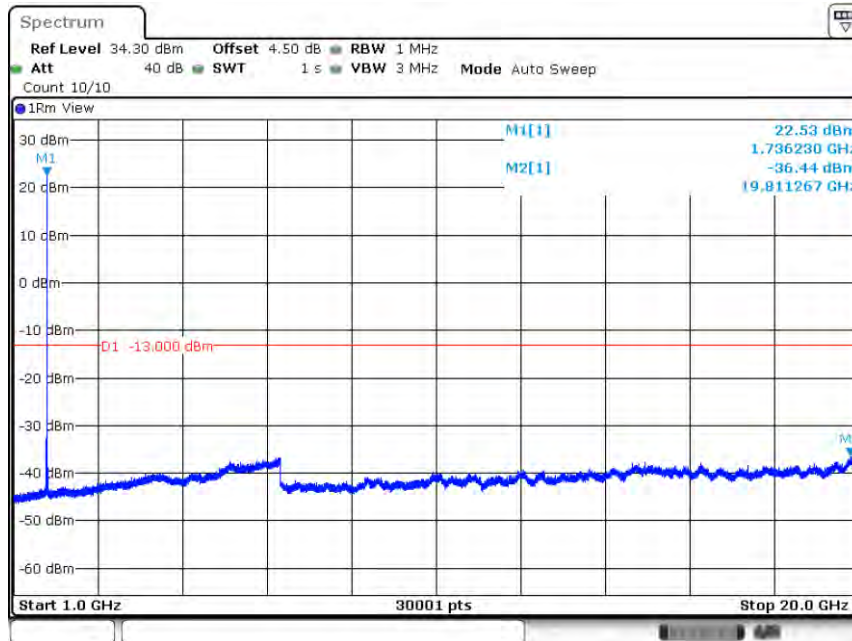
Date: 3.SEP.2020 22:32:12



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@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: 3.SEP.2020 22:32:28



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

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



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.3581	-75.24	-13.00	62.24	Vertical
118.0804	-64.16	-13.00	51.16	Vertical
381.7881	-68.22	-13.00	55.22	Vertical
5024.0675	-61.53	-13.00	48.53	Vertical
10465.2488	-51.29	-13.00	38.29	Vertical
17996.9999	-39.87	-13.00	26.87	Vertical
45.4723	-64.35	-13.00	51.35	Horizontal
228.4234	-68.71	-13.00	55.71	Horizontal
609.3130	-62.94	-13.00	49.94	Horizontal
3540.5180	-60.84	-13.00	47.84	Horizontal
7349.1450	-56.24	-13.00	43.24	Horizontal
16392.9464	-43.16	-13.00	30.16	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.0000	-74.39	-13.00	61.39	Vertical
108.9619	-65.00	-13.00	52.00	Vertical
364.9577	-68.16	-13.00	55.16	Vertical
5099.0700	-62.10	-13.00	49.10	Vertical
9859.7287	-52.19	-13.00	39.19	Vertical
17999.0000	-39.70	-13.00	26.70	Vertical
39.8945	-64.26	-13.00	51.26	Horizontal
100.9590	-75.19	-13.00	62.19	Horizontal
223.8157	-68.28	-13.00	55.28	Horizontal
3447.5149	-61.18	-13.00	48.18	Horizontal
7467.1489	-56.37	-13.00	43.37	Horizontal
16404.4468	-43.42	-13.00	30.42	Horizontal





7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.4908	-72.12	-13.00	59.12	Vertical
113.9577	-65.23	-13.00	52.23	Vertical
380.6240	-68.27	-13.00	55.27	Vertical
3734.5245	-61.90	-13.00	48.90	Vertical
8022.1674	-55.60	-13.00	42.60	Vertical
17997.4999	-39.91	-13.00	26.91	Vertical
40.6220	-64.22	-13.00	51.22	Horizontal
96.8848	-73.26	-13.00	60.26	Horizontal
233.0797	-67.29	-13.00	54.29	Horizontal
5068.5690	-61.58	-13.00	48.58	Horizontal
9977.7326	-52.14	-13.00	39.14	Horizontal
16375.9459	-43.41	-13.00	30.41	Horizontal

Remark:

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





8. Frequency Stability

8.1. Frequency Vs Voltage

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	1.50	0.000872	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	3.50	0.002035	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.00	0.000581	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1.60	0.000924	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	3.10	0.001802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	3.60	0.002093	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	3.70	0.002151	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	1.10	0.000635	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	2.30	0.001328	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	1.40	0.000808	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	2.00	0.001163	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.50	0.002035	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	2.60	0.001501	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	2.40	0.001385	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-0.40	-0.000229	±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	2.50	0.001453	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	2.60	0.001512	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	1.70	0.000988	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	1.00	0.000581	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	3.10	0.001802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	3.10	0.001802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	3.10	0.001802	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	3.10	0.001789	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	2.70	0.001558	±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	0	0.90	0.000519	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	2.40	0.001385	±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	30	0.80	0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	0.50	0.000289	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-1.30	-0.000745	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-2.10	-0.001203	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	0.10	0.000057	±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	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	3.40	0.001977	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	3.00	0.001744	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	3.20	0.001860	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	0.20	0.000116	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	2.20	0.001279	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	0.80	0.000465	±2.5	PASS



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

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



Band4	20MHz	64QAM	20050	100RB#0	NV	40	2.00	0.001163	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	1.20	0.000698	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	0.40	0.000231	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	0.60	0.000346	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	2.30	0.001328	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	2.10	0.001212	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	0.50	0.000289	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	3.10	0.001789	±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	40	2.60	0.001501	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-1.60	-0.000917	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-5.30	-0.003037	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	3.40	0.001977	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	3.80	0.002209	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	3.60	0.002093	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	1.50	0.000872	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	0.90	0.000523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.70	0.000407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.90	0.001686	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	1.10	0.000635	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-1.50	-0.000866	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	0.90	0.000519	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	2.90	0.001674	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-1.30	-0.000750	±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	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-0.50	-0.000287	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-4.70	-0.002693	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-1.20	-0.000688	±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

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