



Appendix B

E-UTRA Band 12



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

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

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 4

1.1 TEST RESULT 4

2 PEAK-TO-AVERAGE RATIO (CCDF).....18

2.1 TEST RESULT18

2.2 TEST PLOTS18

3 MODULATION CHARACTERISTICS23

3.1 TEST MODE = LTE /TM1 10MHZ.....23

3.1.1 TEST CHANNEL = MCH23

3.2 TEST MODE = LTE /TM2 10MHZ.....24

3.2.1 TEST CHANNEL = MCH24

3.3 TEST MODE = LTE /TM3 10MHZ.....25

3.3.1 TEST CHANNEL = MCH25

4 26DB BANDWIDTH AND OCCUPIED BANDWIDTH26

4.1 TEST RESULT26

4.2 TEST PLOTS27

5 BAND EDGE COMPLIANCE46

5.1 TEST PLOTS46

6 SPURIOUS EMISSION AT ANTENNA TERMINAL71

6.1 TEST PLOTS71

7 FIELD STRENGTH OF SPURIOUS RADIATION81

7.1 TEST MODE =LTE/TM1 10MHZ (ANT1)81

7.1.1 TEST CHANNEL = LCH81

7.1.2 TEST CHANNEL = MCH81

7.1.3 TEST CHANNEL = HCH82

7.2 TEST MODE =LTE/TM1 10MHZ (ANT2)82

7.2.1 TEST CHANNEL = LCH82

7.2.2 TEST CHANNEL = MCH83

7.2.3 TEST CHANNEL = HCH83



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

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



8 FREQUENCY STABILITY84

8.1 FREQUENCY VS VOLTAGE84

8.2 FREQUENCY VS TEMPERATURE85



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

1 Effective (Isotropic) Radiated Power

1.1 Test Result

ANT1:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.89	16.51	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.91	16.53	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.89	16.51	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.88	16.5	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.87	16.49	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.92	16.54	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.88	15.5	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.89	16.51	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.90	16.52	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.87	16.49	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.84	16.46	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.84	16.46	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.86	16.48	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.86	15.48	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.81	16.43	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.85	16.47	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.86	16.48	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.84	16.46	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.84	16.46	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.87	16.49	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.82	15.44	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.07	15.69	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.03	15.65	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.01	15.63	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.99	15.61	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.98	15.6	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.97	15.59	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.94	14.56	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.09	15.71	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.17	15.79	34.77	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



Band12	1.4MHz	16QAM	23095	1RB#5	23.11	15.73	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.89	15.51	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.91	15.53	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.98	15.6	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.89	14.51	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.01	15.63	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.07	15.69	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.00	15.62	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.00	15.62	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.93	15.55	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.01	15.63	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.86	14.48	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.95	14.57	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.01	14.63	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.97	14.59	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.90	14.52	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.94	14.56	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.92	14.54	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.75	13.37	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.93	14.55	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.96	14.58	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.99	14.61	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.94	14.56	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.88	14.5	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.89	14.51	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.77	13.39	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.92	14.54	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.90	14.52	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.91	14.53	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.87	14.49	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.85	14.47	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.89	14.51	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.76	13.38	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.90	16.52	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.92	16.54	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.87	16.49	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.86	15.48	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.88	15.5	34.77	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



Band12	3MHz	QPSK	23025	8RB#7	22.83	15.45	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.87	15.49	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.81	16.43	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.89	16.51	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.87	16.49	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.84	15.46	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.88	15.5	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.83	15.45	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.82	15.44	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.83	16.45	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.81	16.43	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.84	16.46	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.83	15.45	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.80	15.42	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.81	15.43	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.80	15.42	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.11	15.73	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.15	15.77	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.11	15.73	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.93	14.55	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.92	14.54	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.92	14.54	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.87	14.49	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.98	15.6	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.02	15.64	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.99	15.61	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.85	14.47	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.92	14.54	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.87	14.49	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.83	14.45	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.96	15.58	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.09	15.71	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.13	15.75	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.84	14.46	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.81	14.43	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.80	14.42	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.79	14.41	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.98	14.6	34.77	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.



Band12	3MHz	64QAM	23025	1RB#8	22.02	14.64	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.92	14.54	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.85	13.47	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.85	13.47	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.83	13.45	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.86	13.48	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.94	14.56	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.94	14.56	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.90	14.52	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.77	13.39	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.84	13.46	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.79	13.41	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.81	13.43	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.88	14.5	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.84	14.46	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.88	14.5	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.78	13.4	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.79	13.41	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.76	13.38	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.76	13.38	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.95	16.57	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.94	16.56	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.90	16.52	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.96	15.58	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.92	15.54	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.93	15.55	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.90	15.52	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.90	16.52	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.90	16.52	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.90	16.52	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.89	15.51	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.89	15.51	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.88	15.5	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.89	15.51	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.90	16.52	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.86	16.48	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.89	16.51	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.88	15.5	34.77	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



Band12	5MHz	QPSK	23155	12RB#6	22.88	15.5	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.79	15.41	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.85	15.47	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.10	15.72	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.08	15.7	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.10	15.72	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.95	14.57	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.88	14.5	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.90	14.52	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.89	14.51	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.09	15.71	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.12	15.74	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.07	15.69	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.87	14.49	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.85	14.47	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.85	14.47	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.86	14.48	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.09	15.71	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.11	15.73	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.11	15.73	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.90	14.52	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.87	14.49	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.81	14.43	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.84	14.46	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.98	14.6	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.96	14.58	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.95	14.57	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.87	13.49	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.84	13.46	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.81	13.43	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.89	13.51	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.90	14.52	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.97	14.59	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.99	14.61	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.81	13.43	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.80	13.42	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.84	13.46	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.83	13.45	34.77	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



Band12	5MHz	64QAM	23155	1RB#0	21.93	14.55	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.87	14.49	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.91	14.53	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.82	13.44	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.79	13.41	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.75	13.37	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.79	13.41	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.99	16.61	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.93	16.55	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.93	16.55	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.92	15.54	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.88	15.5	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.85	15.47	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.98	15.6	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.91	16.53	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.99	16.61	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.91	16.53	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.87	15.49	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.93	15.55	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.91	15.53	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.93	15.55	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.89	16.51	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.96	16.58	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.86	16.48	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.87	15.49	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.91	15.53	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.83	15.45	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.94	15.56	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.21	15.83	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.18	15.8	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.13	15.75	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.91	14.53	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.88	14.5	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.87	14.49	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.92	14.54	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.04	15.66	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.18	15.8	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.02	15.64	34.77	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



Band12	10MHz	16QAM	23095	25RB#0	21.85	14.47	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.92	14.54	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.88	14.5	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.88	14.5	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.04	15.66	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.07	15.69	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.04	15.66	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.90	14.52	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.92	14.54	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.81	14.43	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.87	14.49	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.05	14.67	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.92	14.54	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.90	14.52	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.86	13.48	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.81	13.43	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.84	13.46	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.90	13.52	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.90	14.52	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.00	14.62	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.92	14.54	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.82	13.44	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.88	13.5	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.86	13.48	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.89	13.51	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.90	14.52	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.98	14.6	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.88	14.5	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.83	13.45	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.83	13.45	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.82	13.44	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.86	13.48	34.77	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

ANT2:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.35	16.1	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.41	16.16	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.46	16.21	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.36	16.11	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.39	16.14	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.48	16.23	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.33	15.08	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.37	16.12	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.31	16.06	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.39	16.14	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.35	16.1	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.35	16.1	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.36	16.11	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.41	15.16	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.21	15.96	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.25	16	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.46	16.21	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.24	15.99	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.35	16.1	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.38	16.13	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.32	15.07	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.45	15.2	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.52	15.27	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.81	15.56	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.39	15.14	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.42	15.17	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.39	15.14	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.56	14.31	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.63	15.38	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.41	15.16	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.60	15.35	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.43	15.18	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.43	15.18	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.38	15.13	34.77	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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



Band12	1.4MHz	16QAM	23095	6RB#0	21.41	14.16	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.51	15.26	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.20	14.95	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.79	15.54	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.39	15.14	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.29	15.04	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.35	15.1	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.46	14.21	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.48	14.23	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.36	14.11	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.52	14.27	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.54	14.29	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.46	14.21	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.38	14.13	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.45	13.2	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.37	14.12	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.55	14.3	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.32	14.07	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.31	14.06	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.56	14.31	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.41	14.16	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.46	13.21	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.42	14.17	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.52	14.27	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.47	14.22	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.41	14.16	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.47	14.22	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.52	14.27	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.53	13.28	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.23	15.98	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.26	16.01	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.43	16.18	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.31	15.06	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.33	15.08	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.34	15.09	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.31	15.06	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.36	16.11	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.38	16.13	34.77	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



Band12	3MHz	QPSK	23095	1RB#14	23.32	16.07	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.29	15.04	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.30	15.05	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.24	14.99	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.26	15.01	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.24	15.99	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.27	16.02	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.27	16.02	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.29	15.04	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.27	15.02	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.23	14.98	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.32	15.07	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.72	15.47	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.72	15.47	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.77	15.52	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.36	14.11	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.32	14.07	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.31	14.06	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.49	14.24	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.82	15.57	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.90	15.65	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.58	15.33	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.39	14.14	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.43	14.18	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.42	14.17	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.23	13.98	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.49	15.24	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.20	14.95	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.91	15.66	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.39	14.14	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.45	14.2	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.40	14.15	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.26	14.01	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.52	14.27	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.34	14.09	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.55	14.3	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.52	13.27	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.44	13.19	34.77	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



Band12	3MHz	64QAM	23025	8RB#7	20.48	13.23	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.47	13.22	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.48	14.23	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.39	14.14	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.44	14.19	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.38	13.13	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.43	13.18	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.42	13.17	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.40	13.15	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.39	14.14	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.37	14.12	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.47	14.22	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.31	13.06	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.35	13.1	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.50	13.25	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.49	13.24	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.28	16.03	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.28	16.03	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.46	16.21	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.38	15.13	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.30	15.05	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.37	15.12	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.29	15.04	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.34	16.09	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.39	16.14	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.32	16.07	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.44	15.19	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.33	15.08	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.32	15.07	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.35	15.1	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.26	16.01	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.26	16.01	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.40	16.15	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.32	15.07	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.32	15.07	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.23	14.98	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.41	15.16	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.48	15.23	34.77	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



Band12	5MHz	16QAM	23035	1RB#12	22.30	15.05	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.94	15.69	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.36	14.11	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.21	13.96	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.28	14.03	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.30	14.05	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.24	14.99	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.54	15.29	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.60	15.35	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.41	14.16	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.29	14.04	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.35	14.1	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.24	13.99	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.61	15.36	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.21	14.96	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.79	15.54	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.31	14.06	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.22	13.97	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.21	13.96	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.23	13.98	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.42	14.17	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.48	14.23	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.42	14.17	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.44	13.19	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.39	13.14	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.38	13.13	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.52	13.27	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.53	14.28	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.48	14.23	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.48	14.23	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.38	13.13	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.46	13.21	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.47	13.22	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.52	13.27	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.56	14.31	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.47	14.22	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.49	14.24	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.50	13.25	34.77	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



Band12	5MHz	64QAM	23155	12RB#6	20.51	13.26	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.49	13.24	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.40	13.15	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.26	16.01	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.33	16.08	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.27	16.02	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.33	15.08	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.33	15.08	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.39	15.14	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.34	15.09	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.33	16.08	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.36	16.11	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.52	16.27	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.40	15.15	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.37	15.12	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.45	15.2	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.41	15.16	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.33	16.08	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.45	16.2	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.51	16.26	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.35	15.1	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.38	15.13	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.37	15.12	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.39	15.14	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.52	15.27	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.83	15.58	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.36	15.11	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.34	14.09	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.35	14.1	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.34	14.09	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.37	14.12	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.52	15.27	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.33	15.08	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.66	15.41	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.40	14.15	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.27	14.02	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.43	14.18	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.28	14.03	34.77	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

Band12	10MHz	16QAM	23130	1RB#0	22.80	15.55	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.93	15.68	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.95	15.7	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.27	14.02	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.44	14.19	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.45	14.2	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.33	14.08	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.40	14.15	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.54	14.29	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.51	14.26	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.56	13.31	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.40	13.15	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.35	13.1	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.47	13.22	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.40	14.15	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.56	14.31	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.45	14.2	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.53	13.28	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.53	13.28	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.45	13.2	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.39	13.14	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.53	14.28	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.41	14.16	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.37	14.12	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.56	13.31	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.40	13.15	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.52	13.27	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.52	13.27	34.77	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



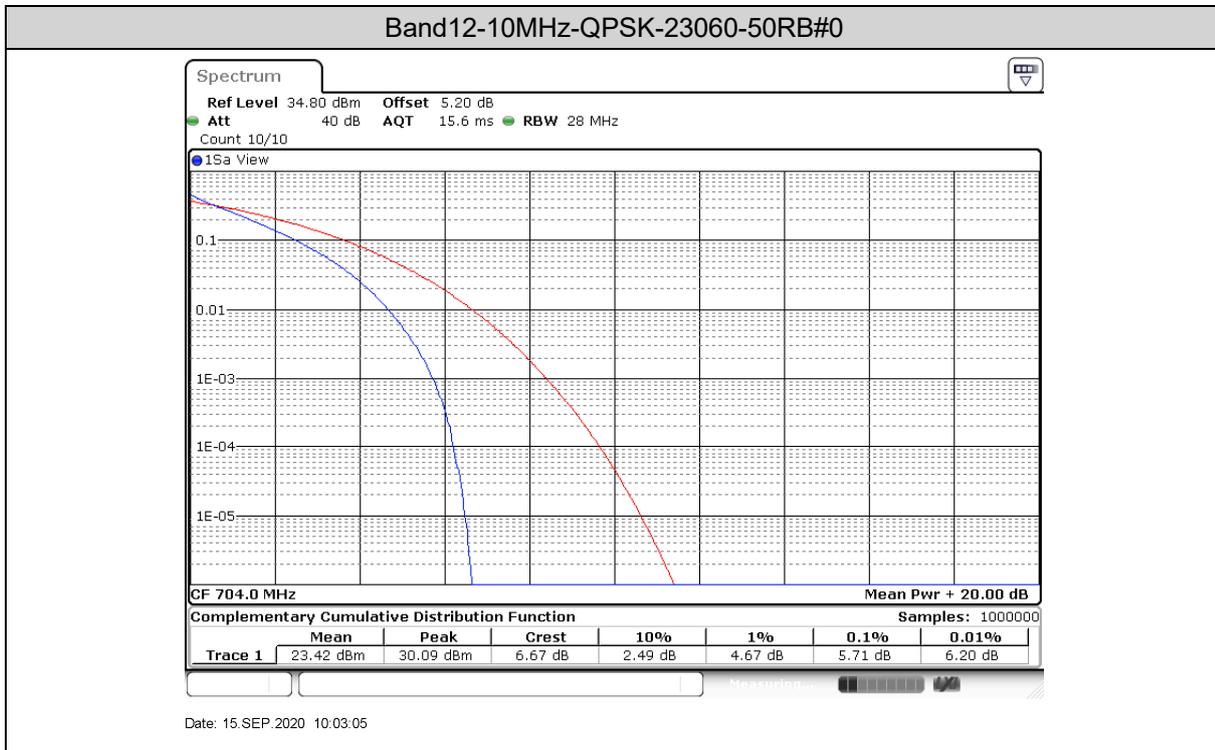
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

2 Peak-to-Average Ratio (CCDF)

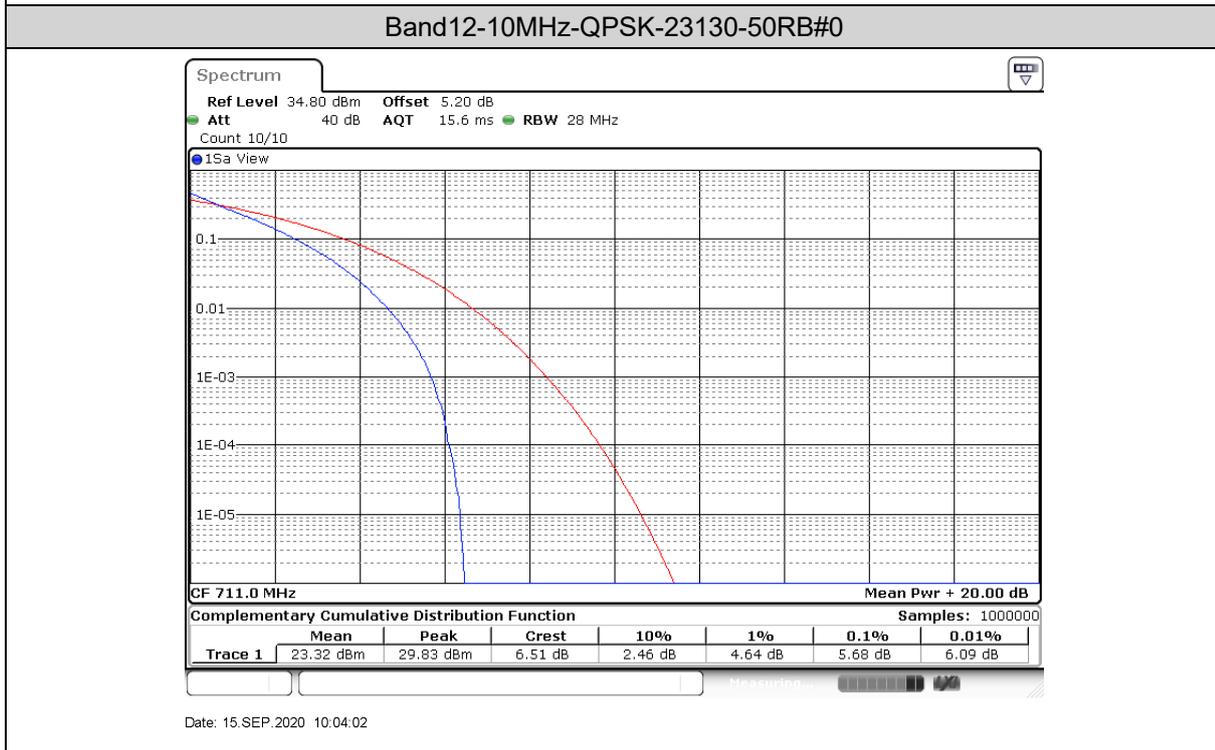
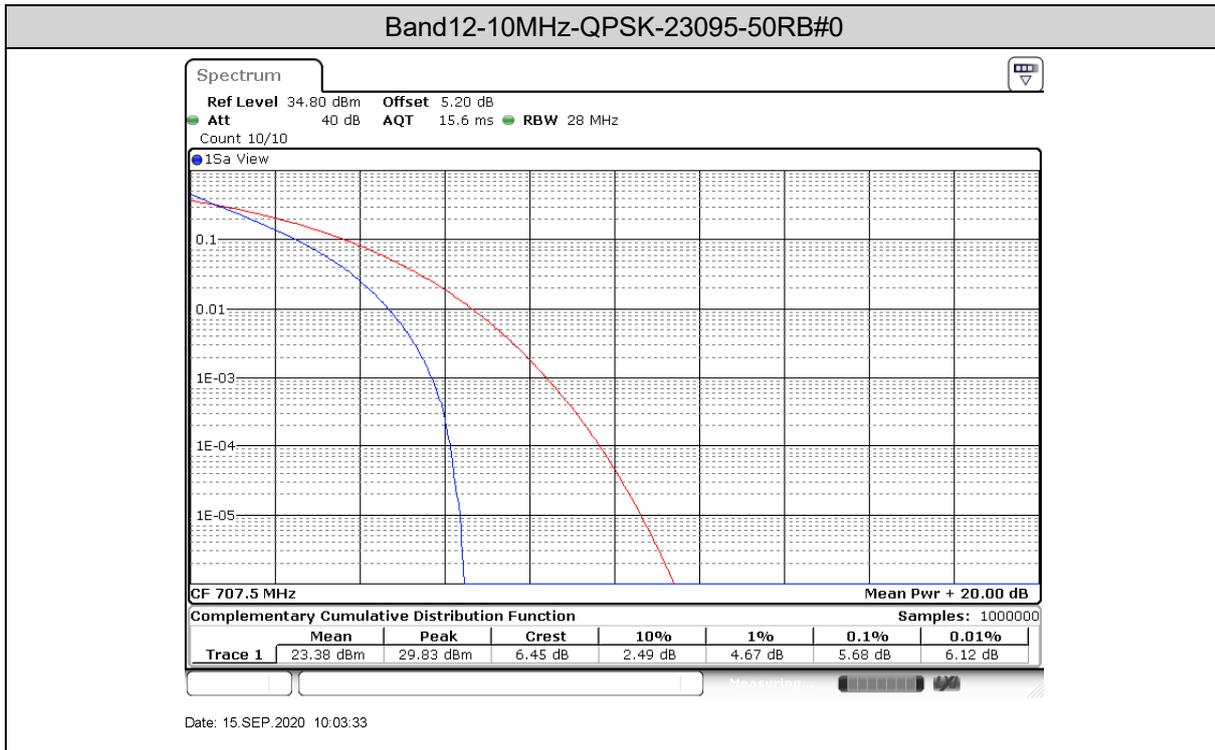
2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.71	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.68	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.41	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.46	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.46	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.70	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.67	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.81	13	PASS

2.2 Test Plots



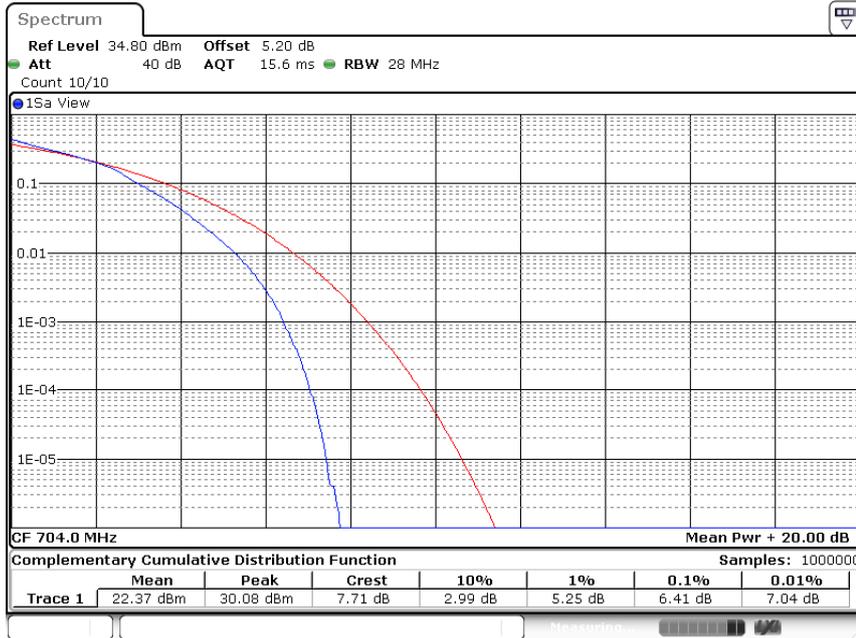
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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

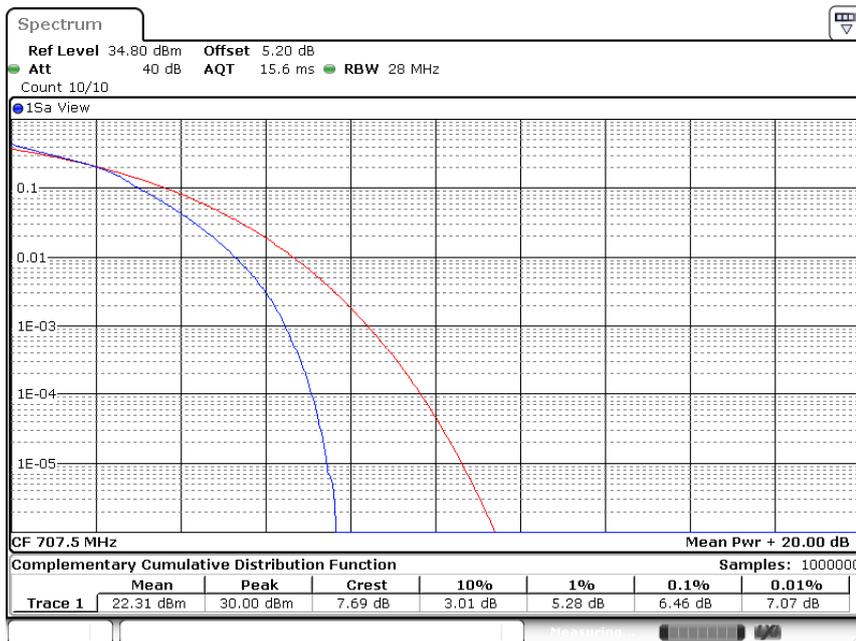
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-10MHz-16QAM-23060-50RB#0



Date: 15.SEP.2020 10:03:19

Band12-10MHz-16QAM-23095-50RB#0

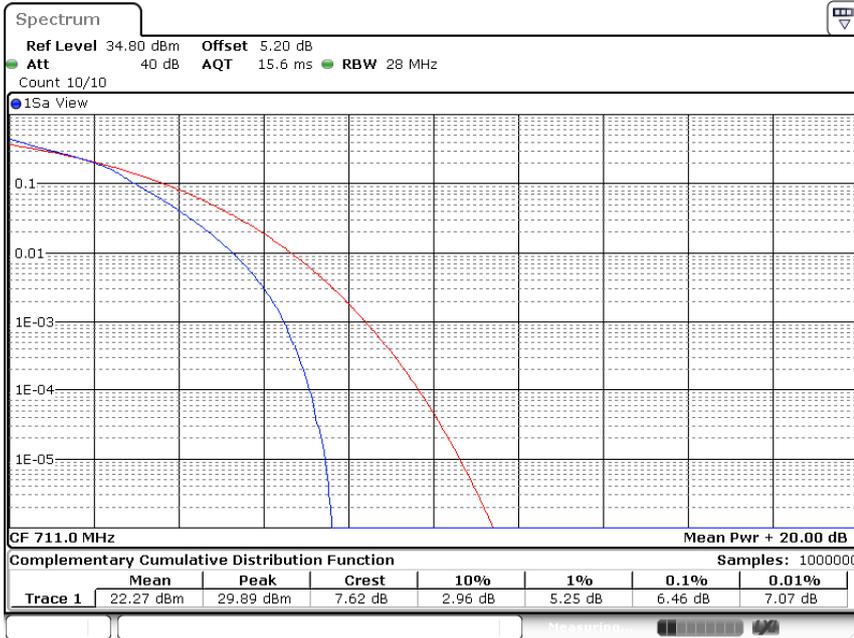


Date: 15.SEP.2020 10:03:48



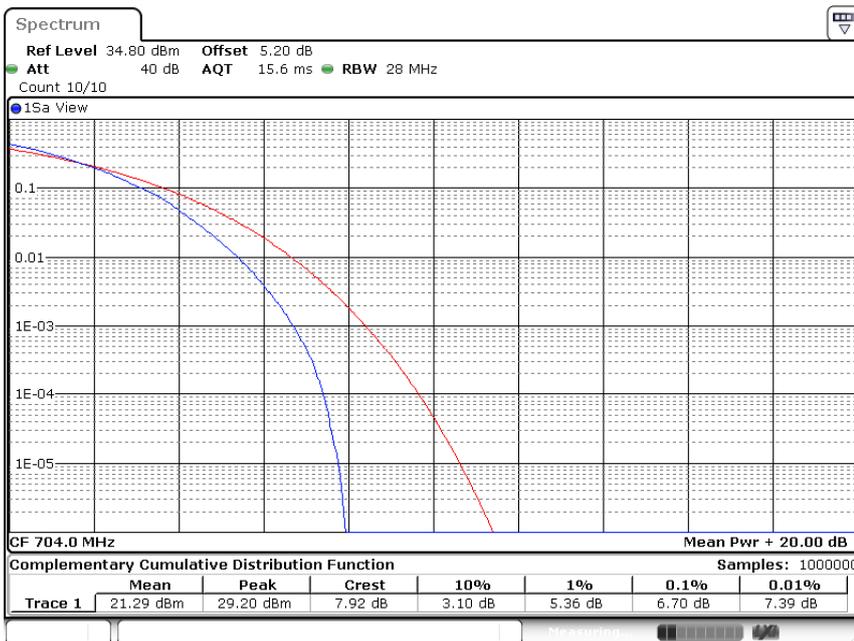
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23130-50RB#0



Date: 15.SEP.2020 10:04:16

Band12-10MHz-64QAM-23060-50RB#0

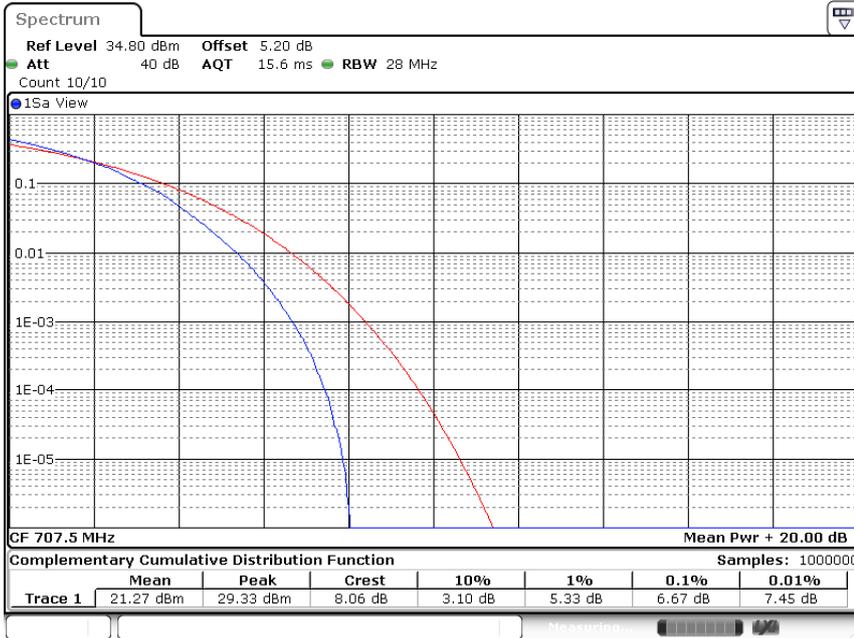


Date: 15.SEP.2020 11:27:55



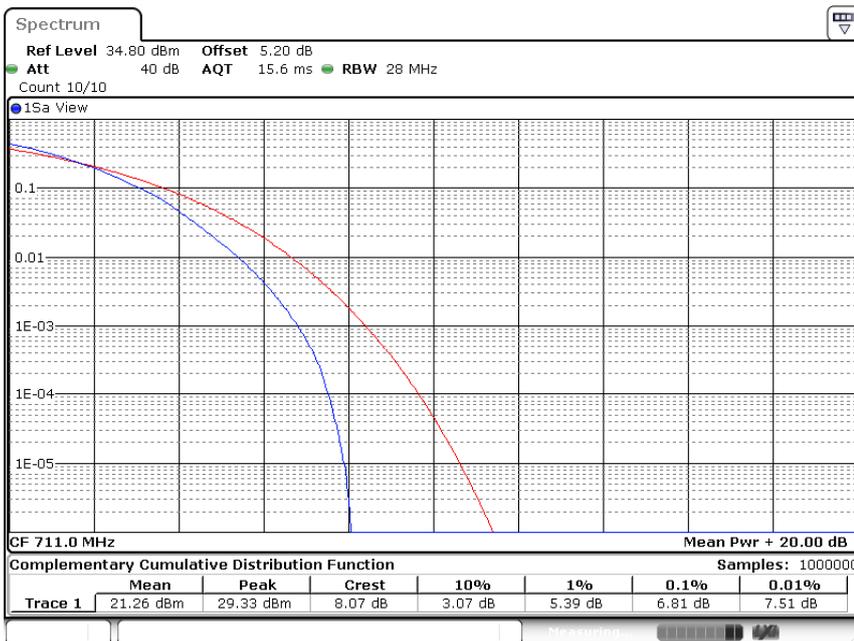
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-64QAM-23095-50RB#0



Date: 15.SEP.2020 11:28:10

Band12-10MHz-64QAM-23130-50RB#0



Date: 15.SEP.2020 11:28:24

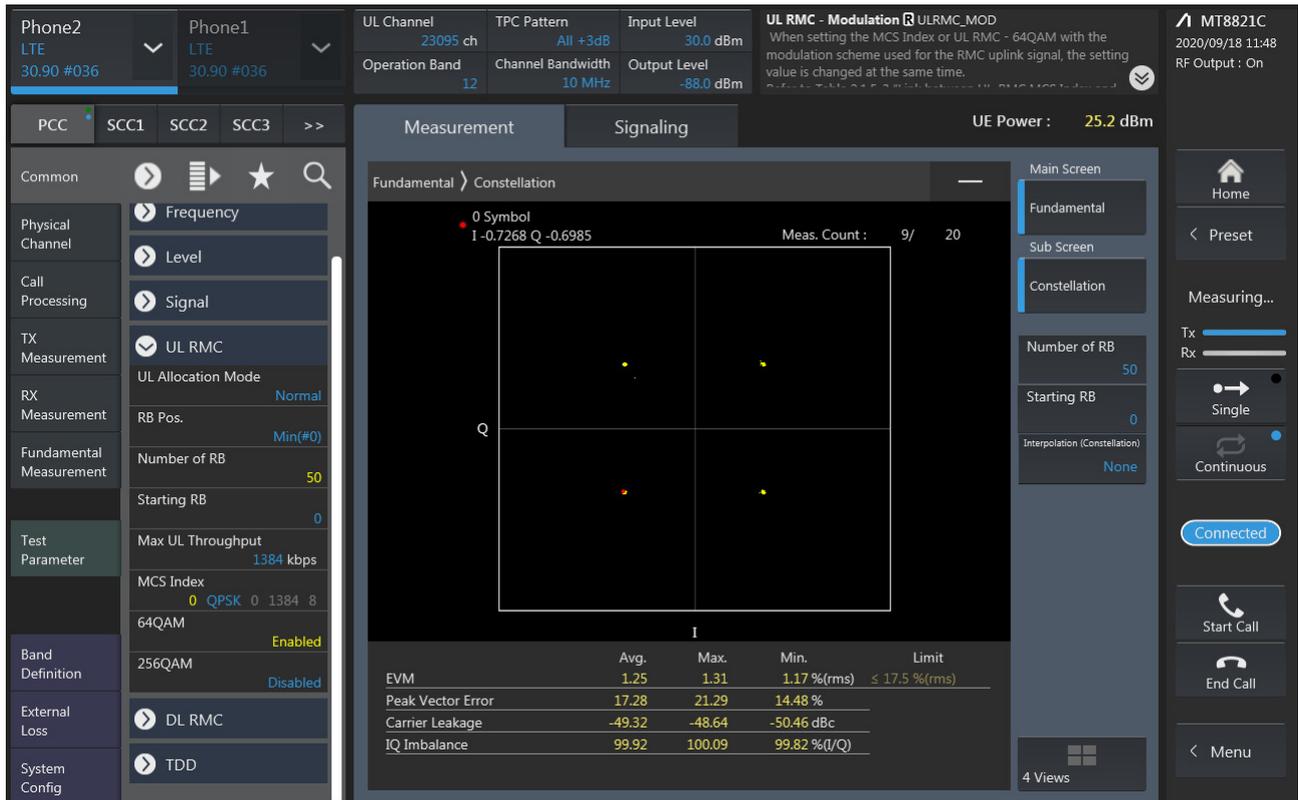


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 10MHz

3.1.1 Test Channel = MCH

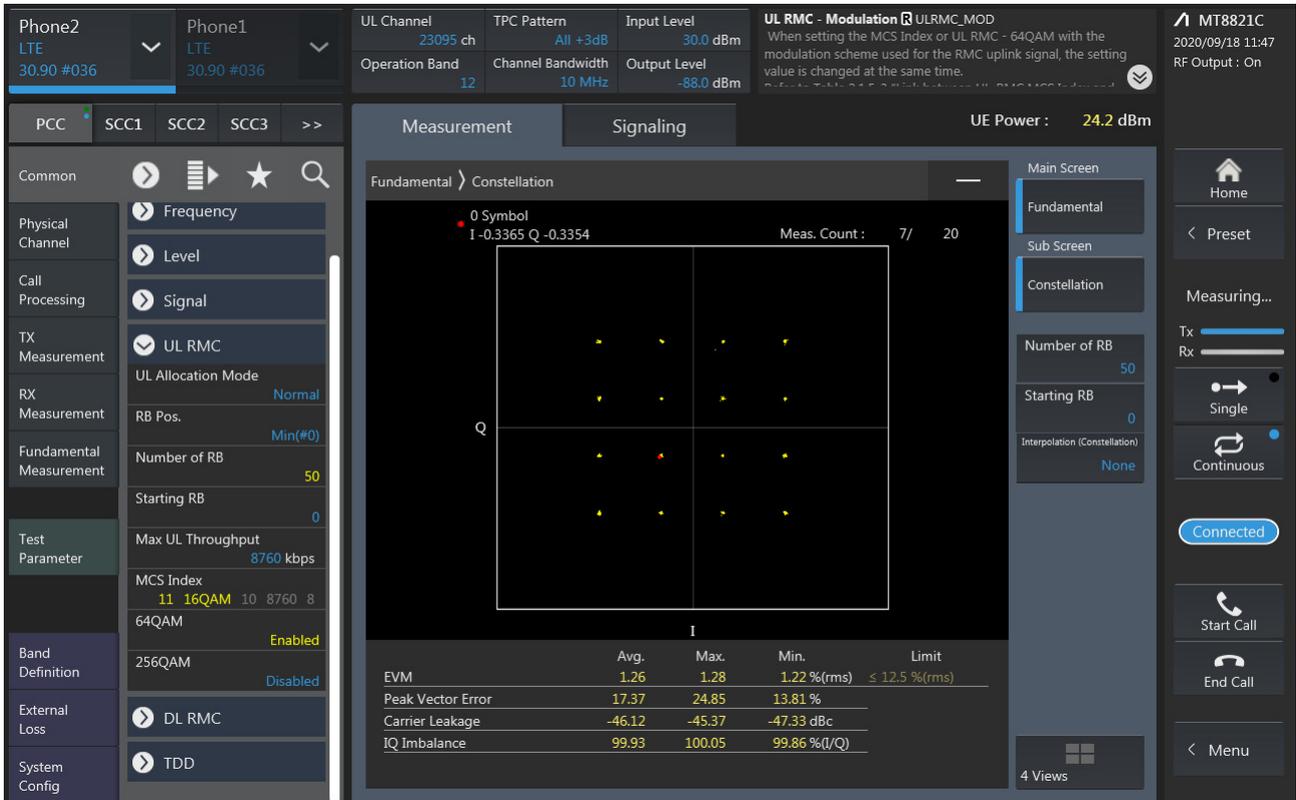


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

3.2 Test Mode = LTE /TM2 10MHz

3.2.1 Test Channel = MCH



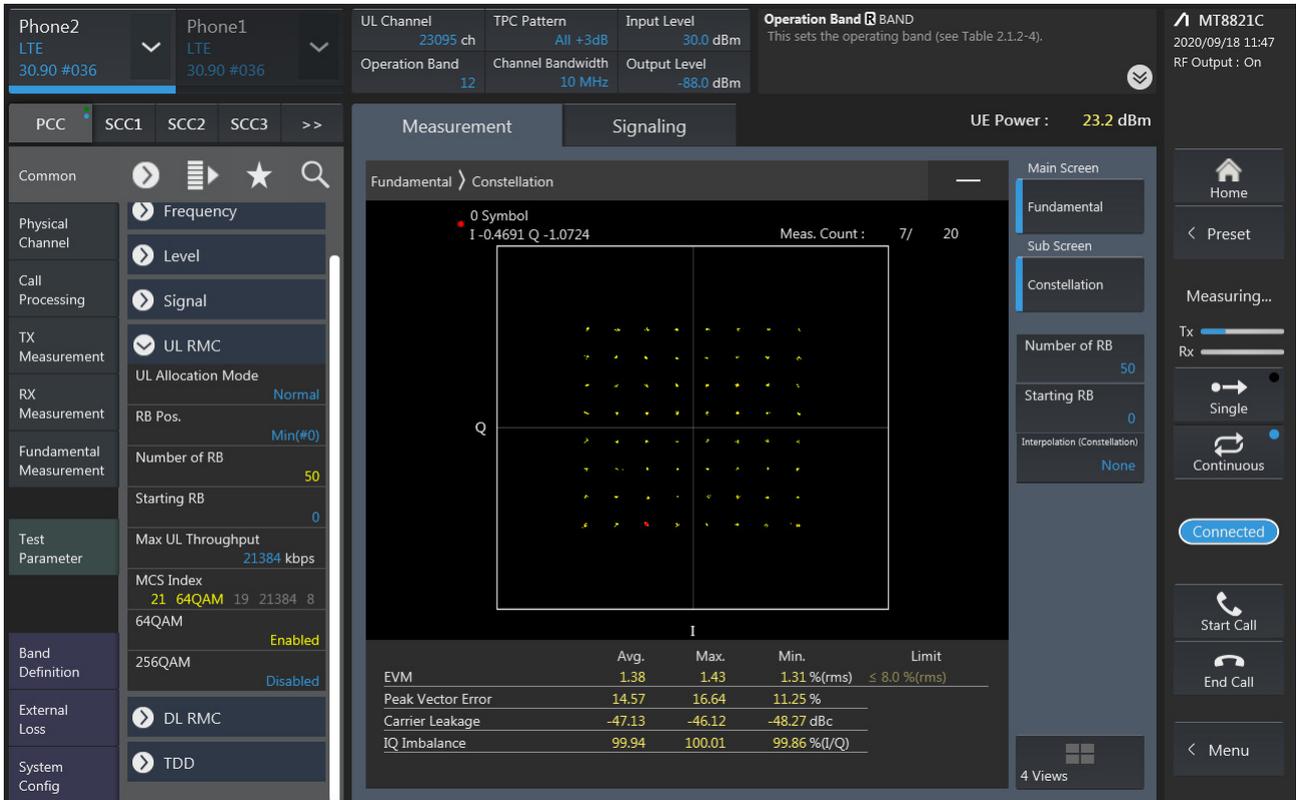
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



3.3 Test Mode = LTE /TM3 10MHz

3.3.1 Test Channel = MCH



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

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

4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

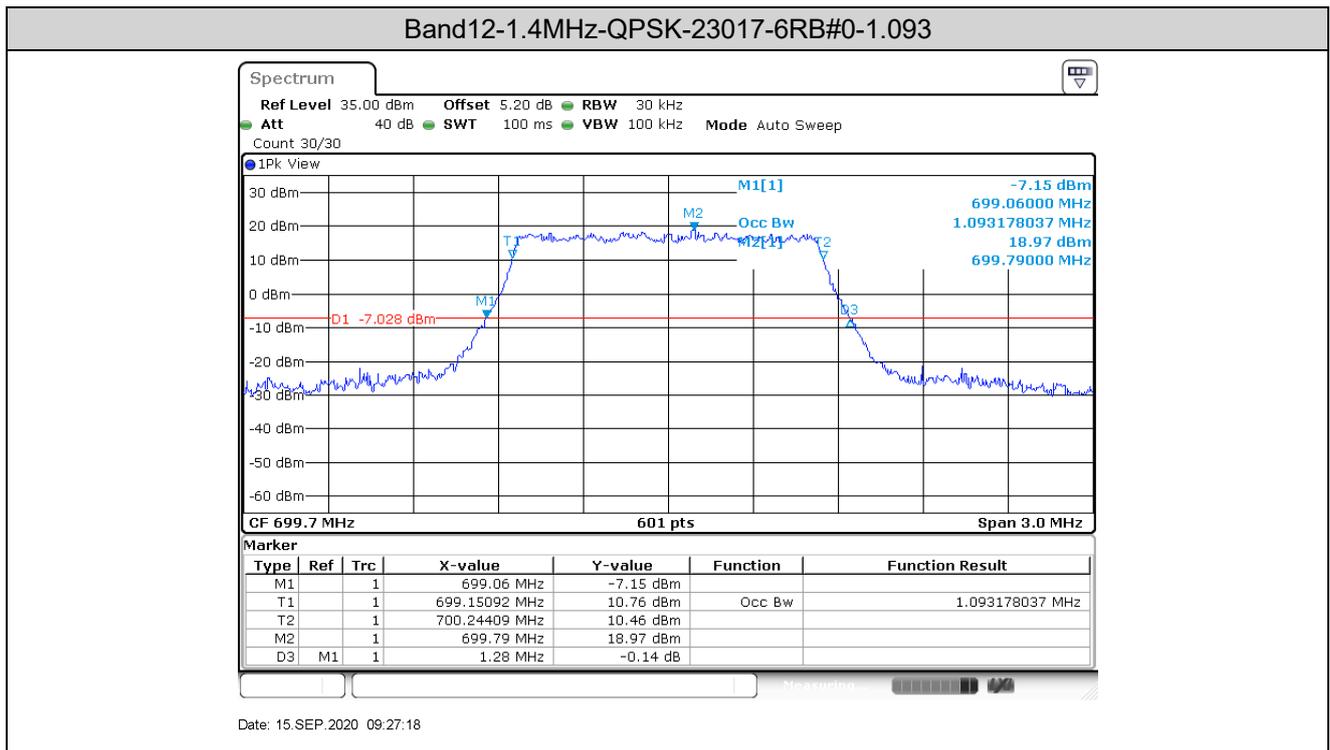
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.093	1.280	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.290	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.088	1.285	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.290	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.093	1.305	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.300	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.093	1.285	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.093	1.300	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.093	1.290	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.696	2.970	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.686	2.960	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.696	2.960	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.676	2.940	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.686	2.940	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.686	2.940	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.696	2.940	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.686	2.940	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.686	2.930	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	4.860	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.466	4.880	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.466	4.880	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.476	4.890	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.476	4.900	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.476	4.870	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.860	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	4.860	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	4.860	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.918	9.667	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.918	9.700	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.918	9.700	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.952	9.700	PASS



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

Band12	10MHz	16QAM	23095	50RB#0	8.918	9.667	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.918	9.633	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.952	9.600	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.918	9.700	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.952	9.633	PASS

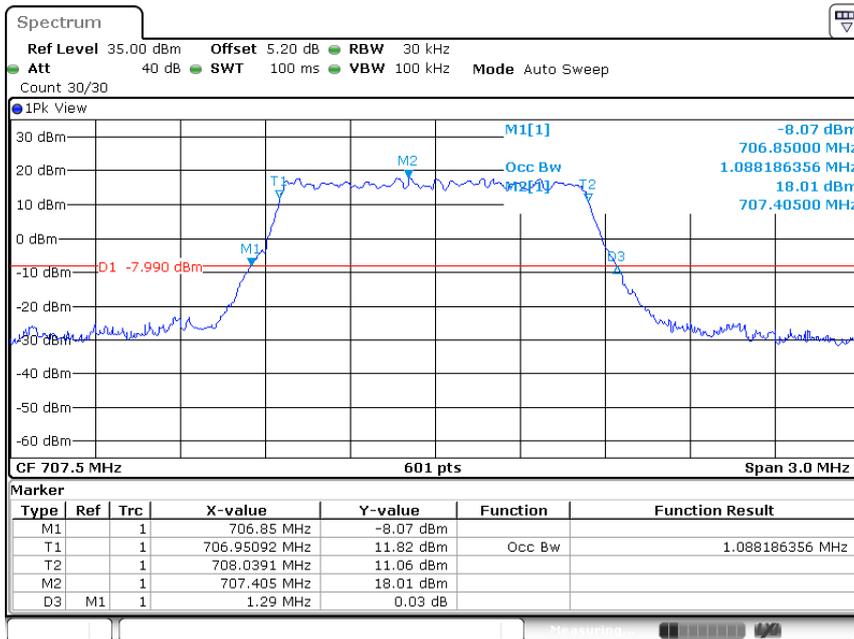
4.2 Test Plots



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

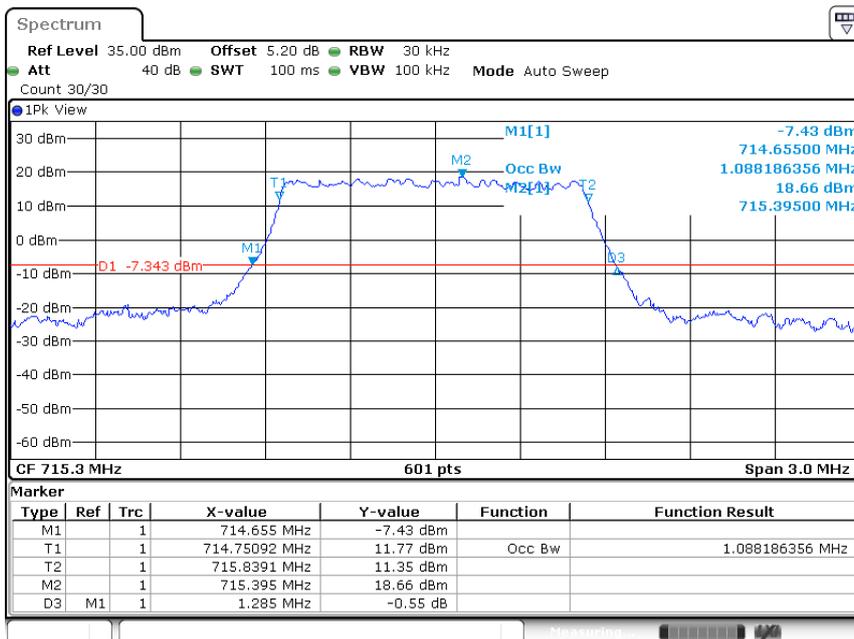
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Date: 15.SEP.2020 09:27:49

Band12-1.4MHz-QPSK-23173-6RB#0-1.088



Date: 15.SEP.2020 09:28:24

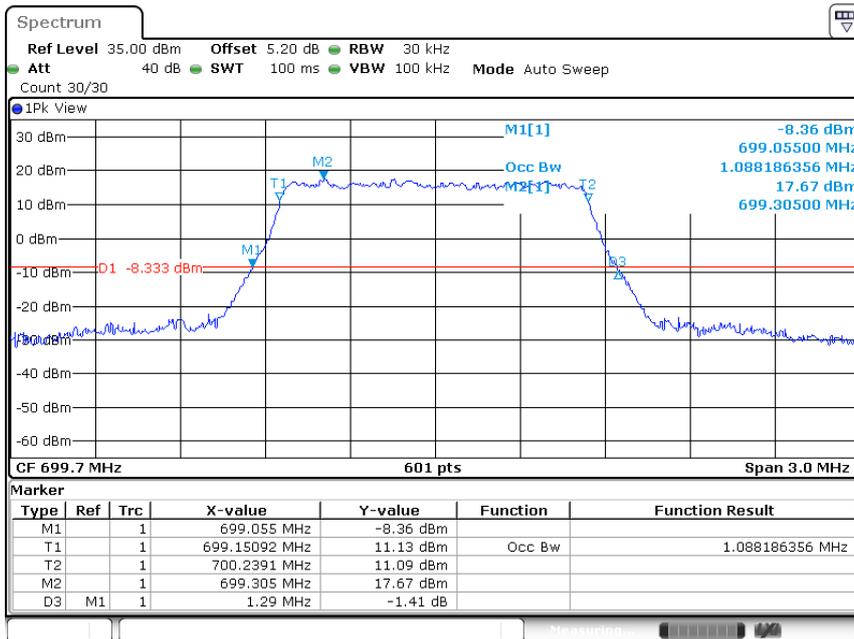


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

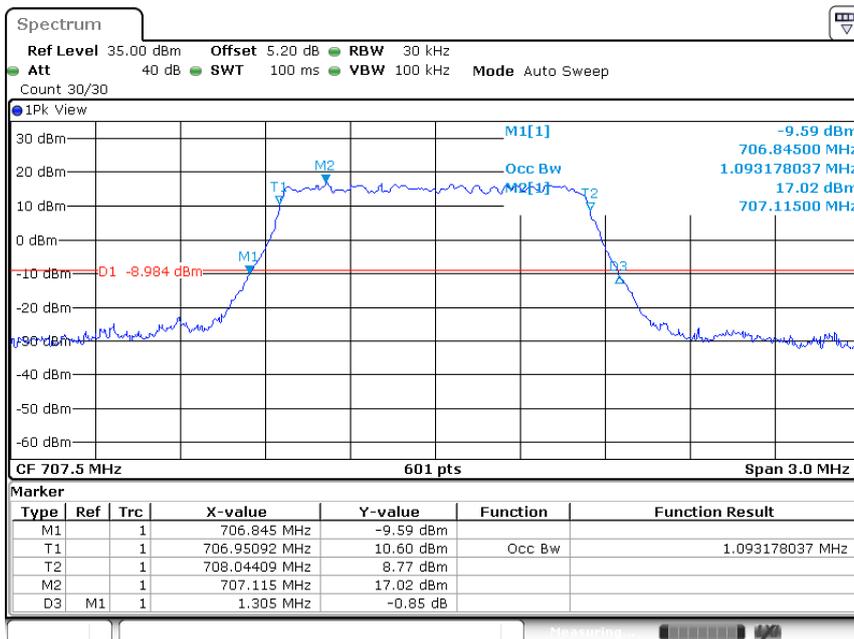
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band12-1.4MHz-16QAM-23017-6RB#0-1.088



Date: 15.SEP.2020 09:27:33

Band12-1.4MHz-16QAM-23095-6RB#0-1.093



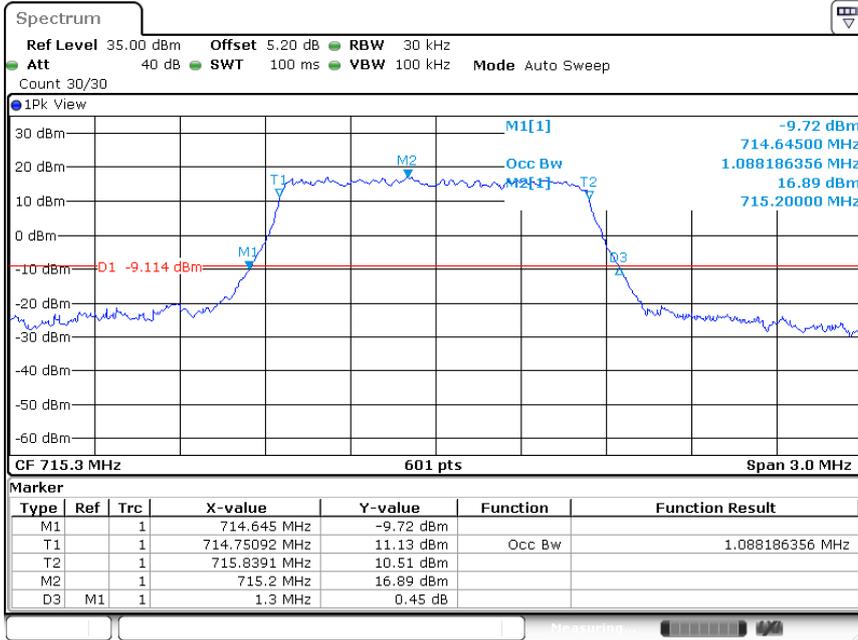
Date: 15.SEP.2020 09:28:07



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-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.

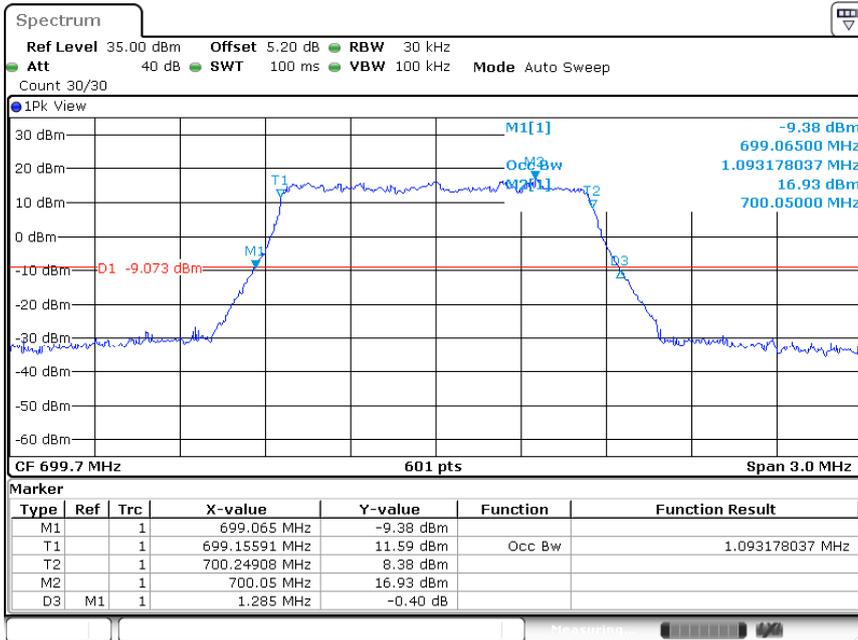
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band12-1.4MHz-16QAM-23173-6RB#0-1.088



Date: 15.SEP.2020 09:28:40

Band12-1.4MHz-64QAM-23017-6RB#0-1.093



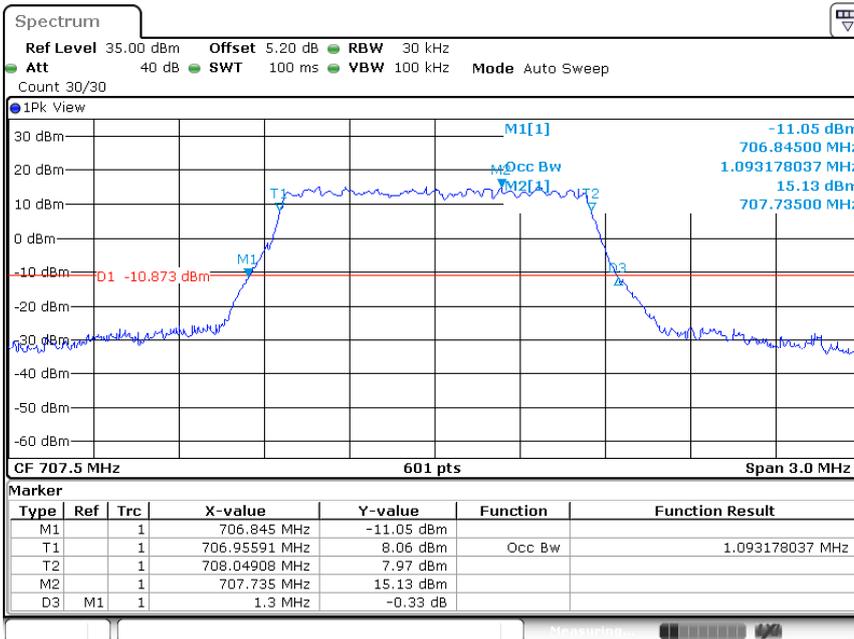
Date: 15.SEP.2020 10:40:31



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.

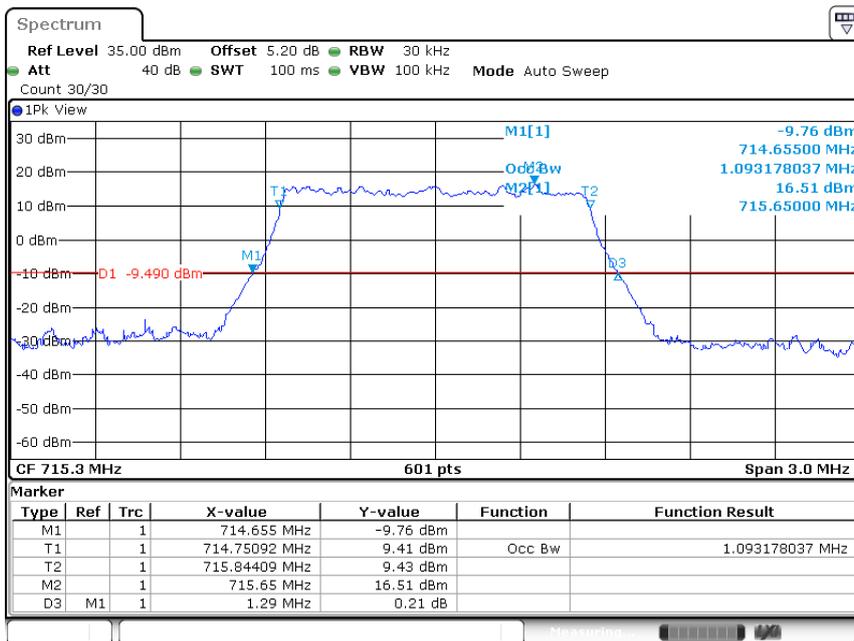
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-1.4MHz-64QAM-23095-6RB#0-1.093



Date: 15.SEP.2020 10:40:47

Band12-1.4MHz-64QAM-23173-6RB#0-1.093

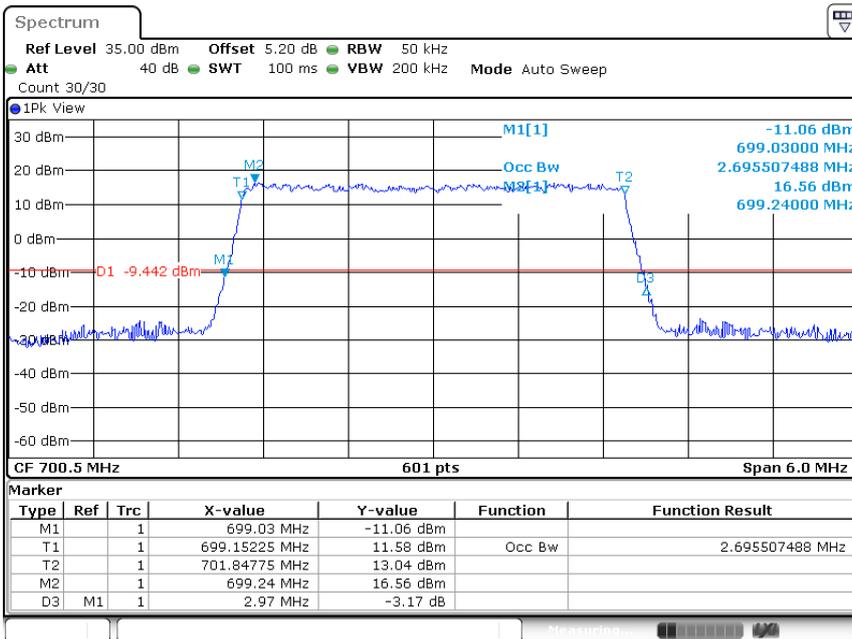


Date: 15.SEP.2020 10:41:02



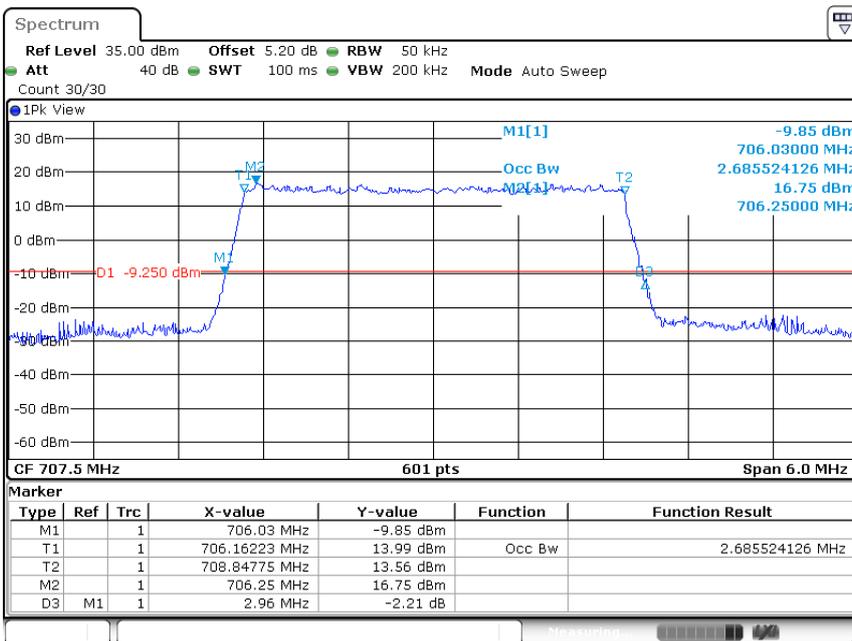
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-QPSK-23025-15RB#0-2.696



Date: 15.SEP.2020 09:29:01

Band12-3MHz-QPSK-23095-15RB#0-2.686

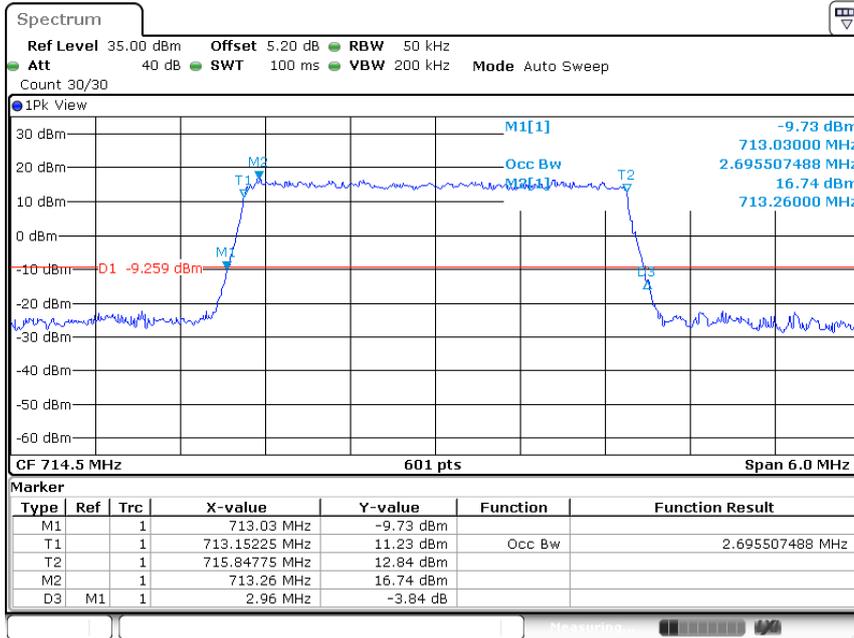


Date: 15.SEP.2020 09:29:33



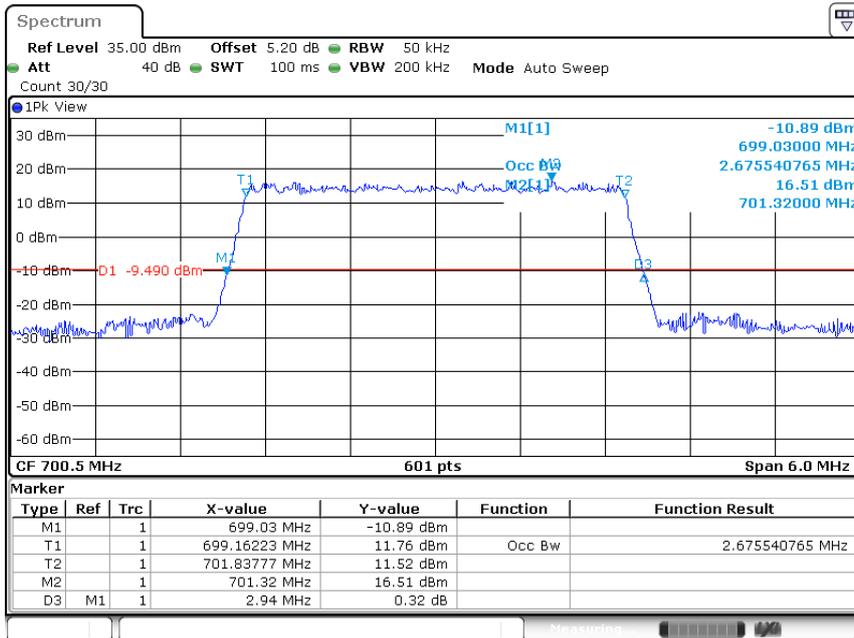
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-QPSK-23165-15RB#0-2.696



Date: 15.SEP.2020 09:30:05

Band12-3MHz-16QAM-23025-15RB#0-2.676

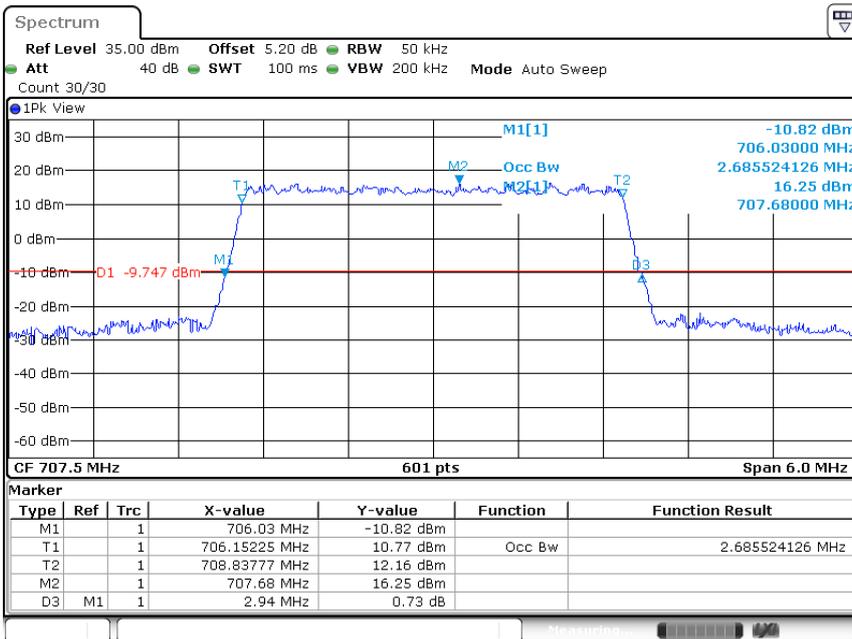


Date: 15.SEP.2020 09:29:17



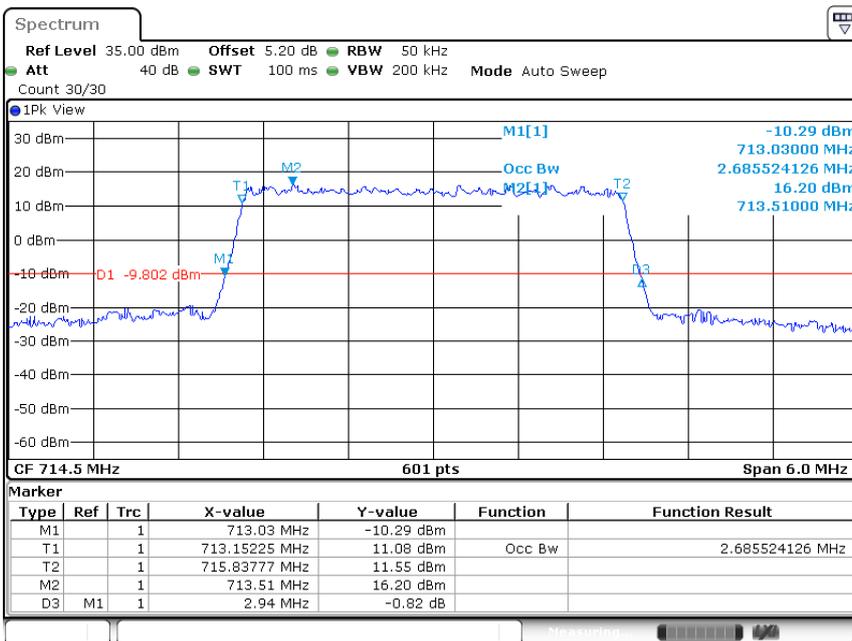
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-16QAM-23095-15RB#0-2.686



Date: 15.SEP.2020 09:29:49

Band12-3MHz-16QAM-23165-15RB#0-2.686

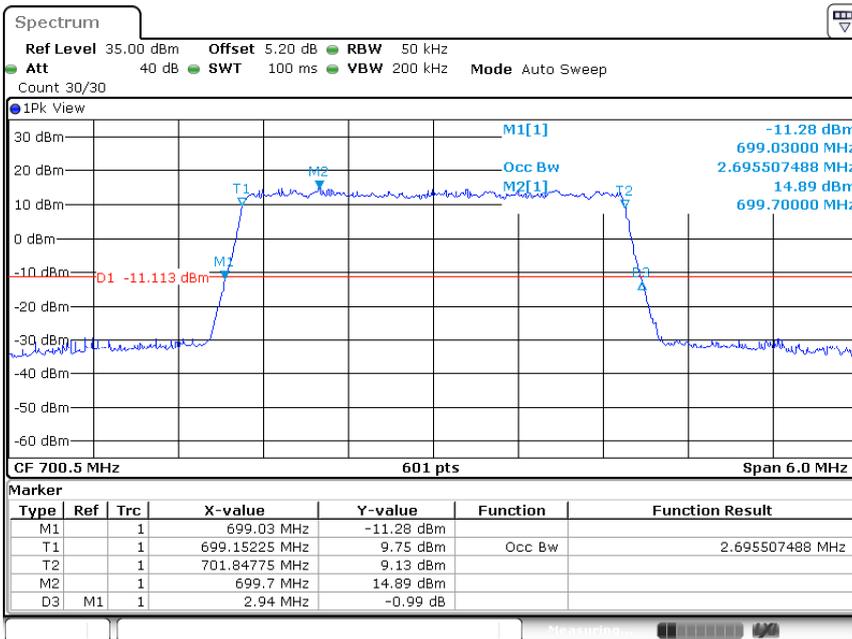


Date: 15.SEP.2020 09:30:21



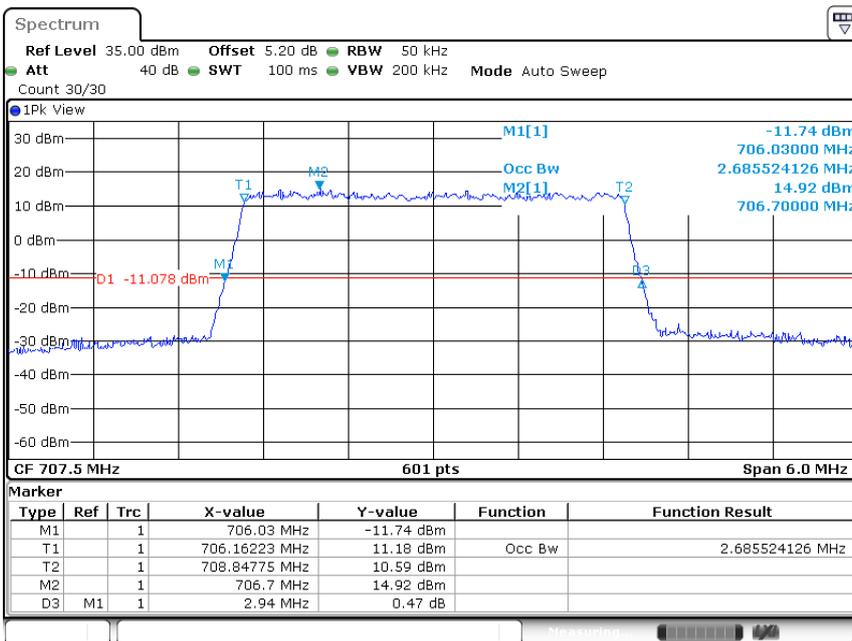
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-64QAM-23025-15RB#0-2.696



Date: 15.SEP.2020 10:41:24

Band12-3MHz-64QAM-23095-15RB#0-2.686

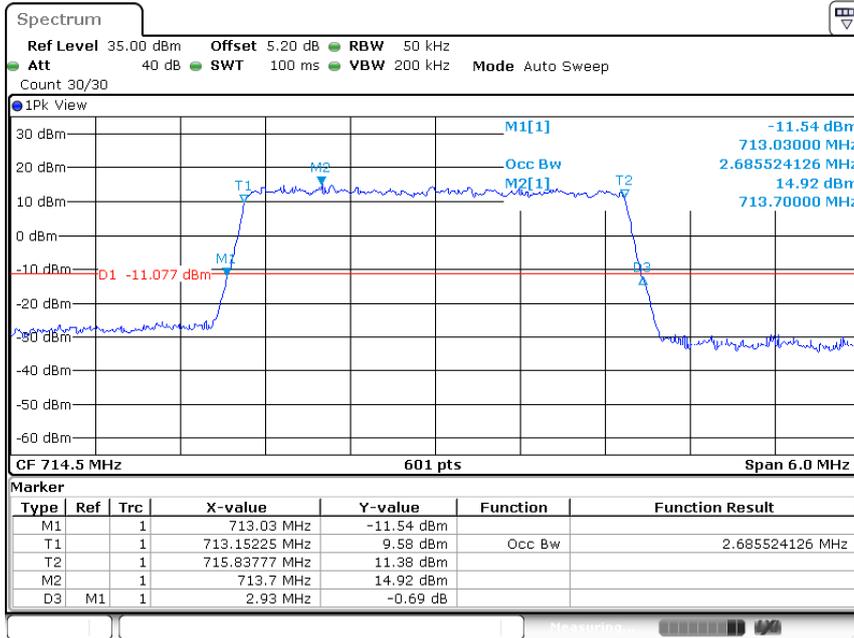


Date: 15.SEP.2020 10:41:40



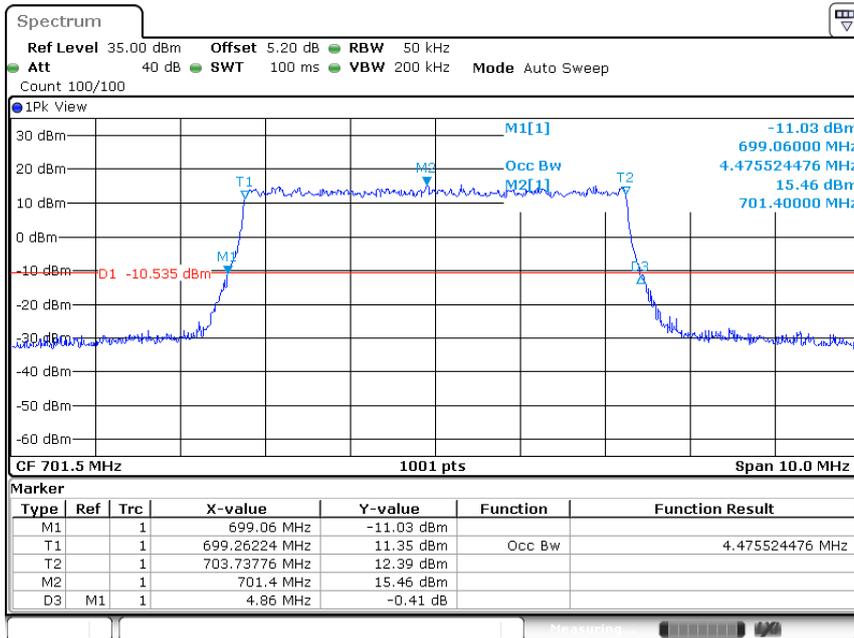
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-64QAM-23165-15RB#0-2.686



Date: 15.SEP.2020 10:41:56

Band12-5MHz-QPSK-23035-25RB#0-4.476

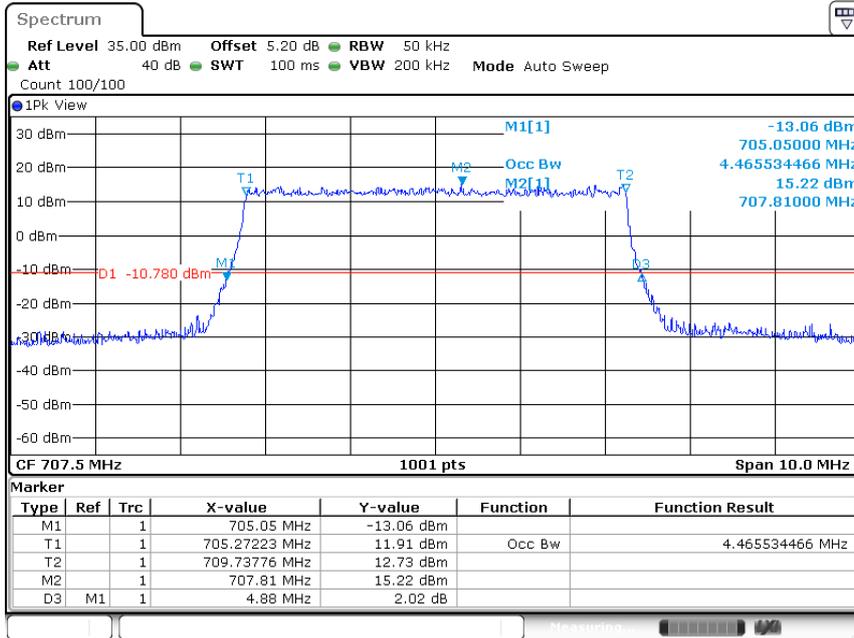


Date: 15.SEP.2020 09:30:48



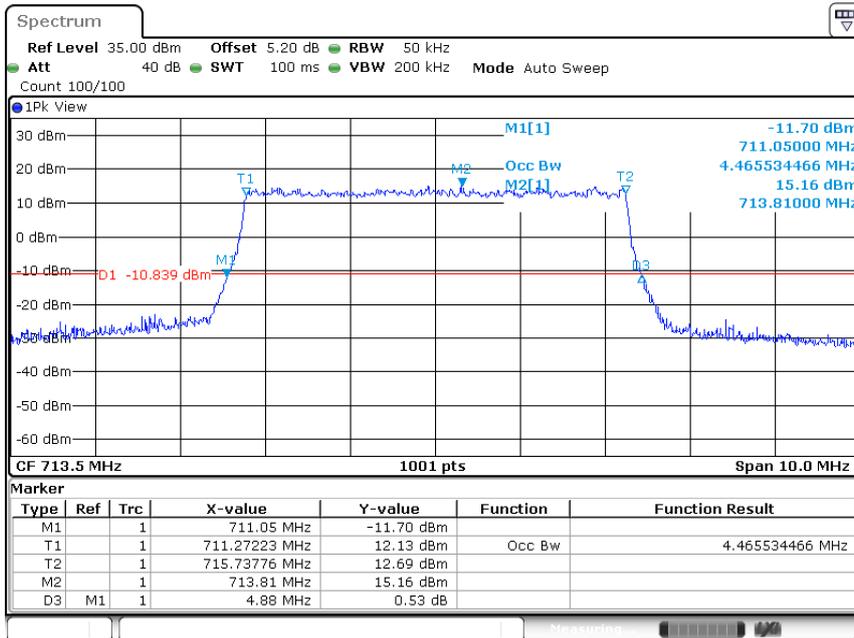
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-5MHz-QPSK-23095-25RB#0-4.466



Date: 15.SEP.2020 09:31:34

Band12-5MHz-QPSK-23155-25RB#0-4.466



Date: 15.SEP.2020 09:32:20

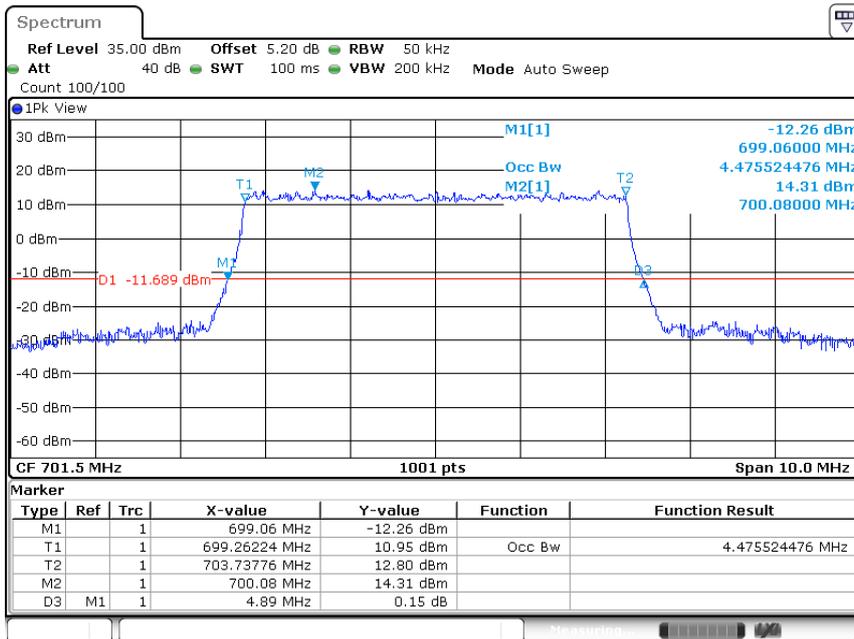


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

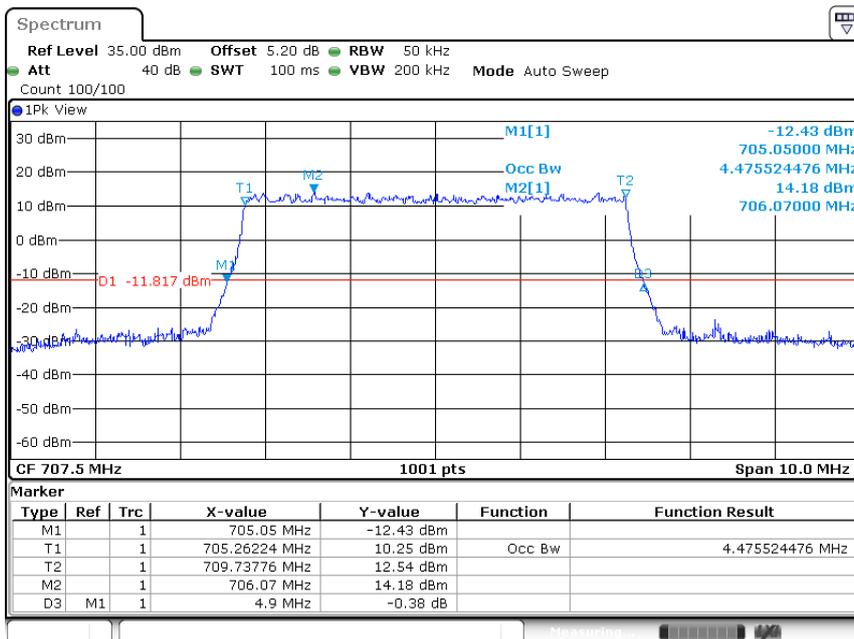
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band12-5MHz-16QAM-23035-25RB#0-4.476



Date: 15.SEP.2020 09:31:11

Band12-5MHz-16QAM-23095-25RB#0-4.476

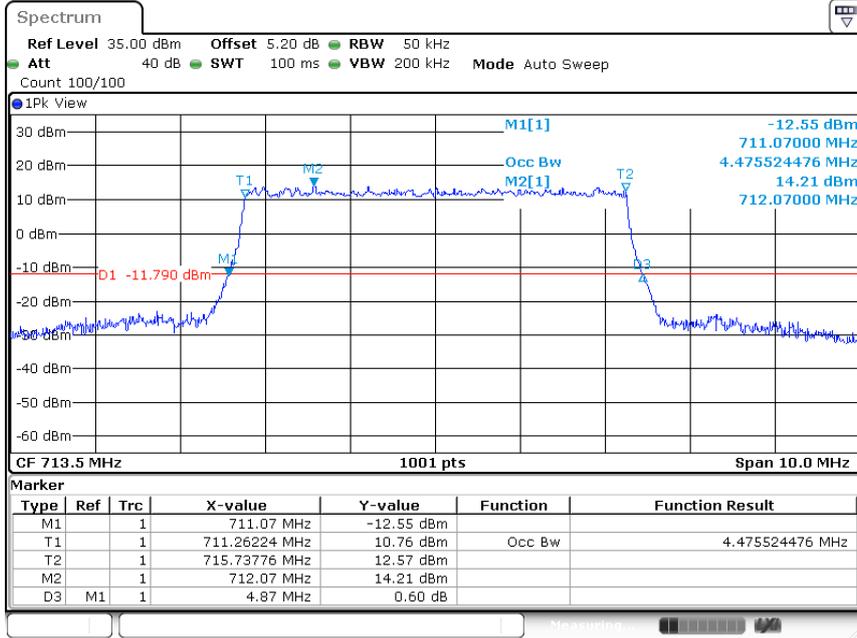


Date: 15.SEP.2020 09:31:57



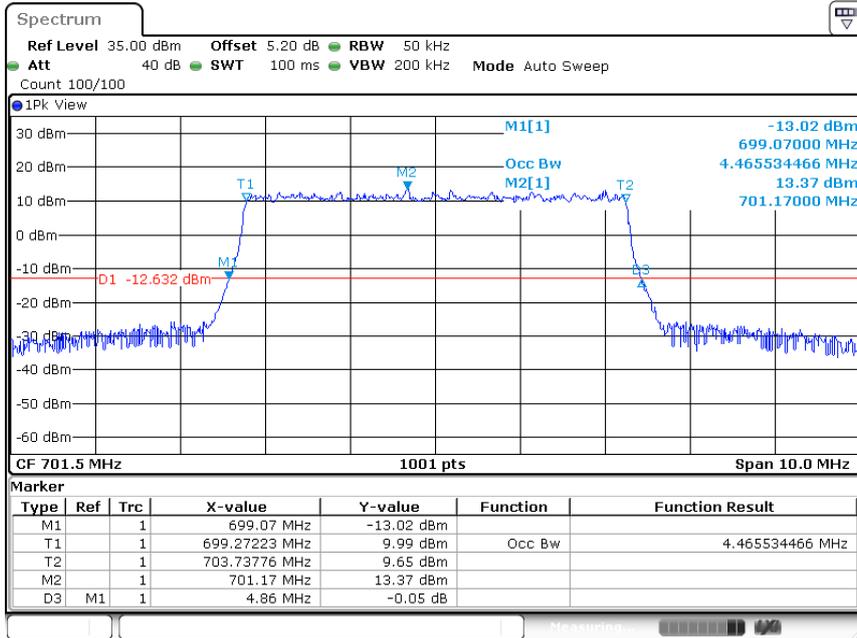
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-5MHz-16QAM-23155-25RB#0-4.476



Date: 15.SEP.2020 09:32:43

Band12-5MHz-64QAM-23035-25RB#0-4.466



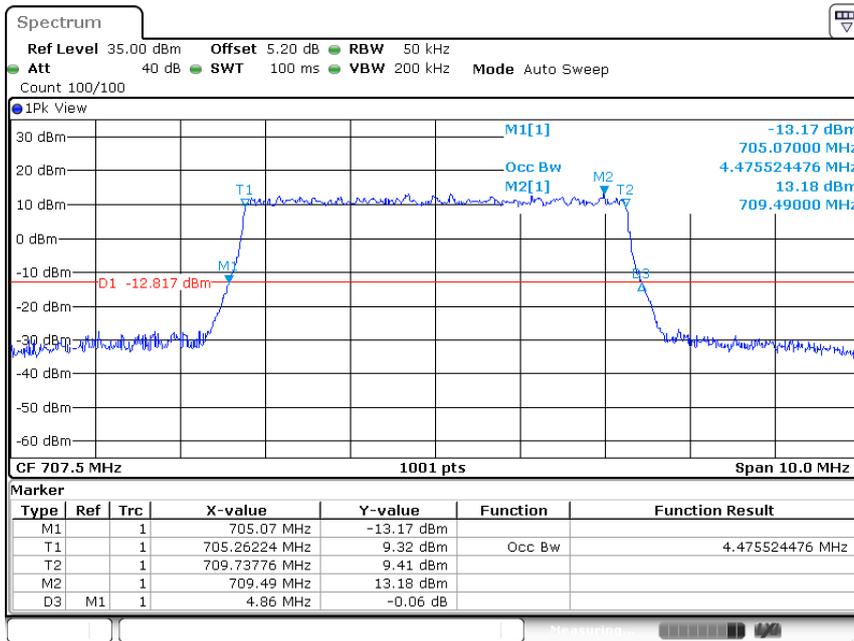
Date: 15.SEP.2020 11:13:46



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

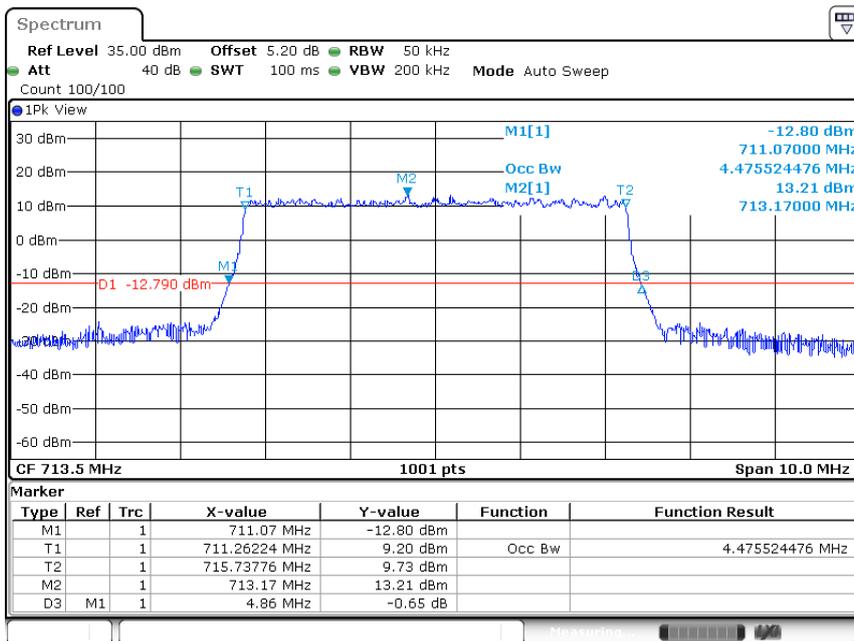
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-5MHz-64QAM-23095-25RB#0-4.476



Date: 15.SEP.2020 11:14:09

Band12-5MHz-64QAM-23155-25RB#0-4.476

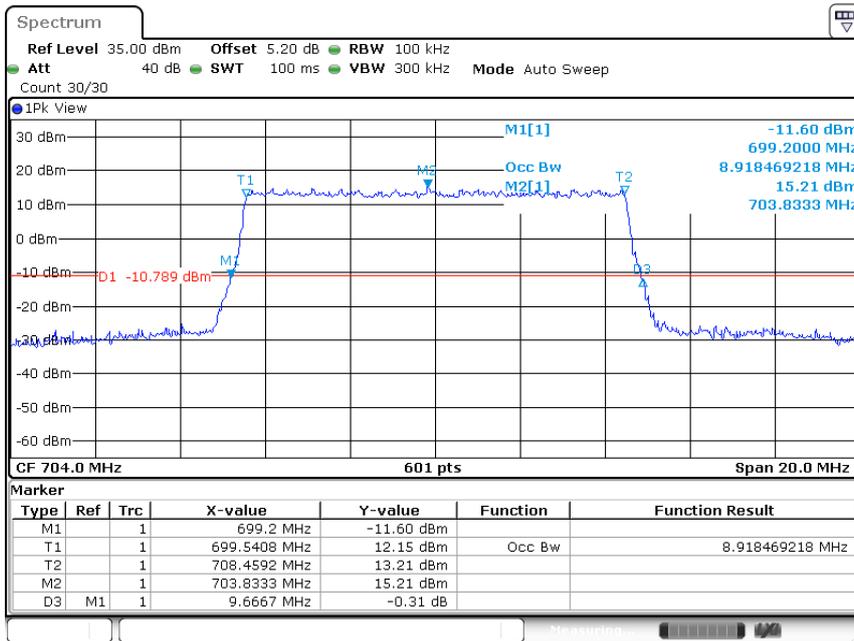


Date: 15.SEP.2020 11:14:32



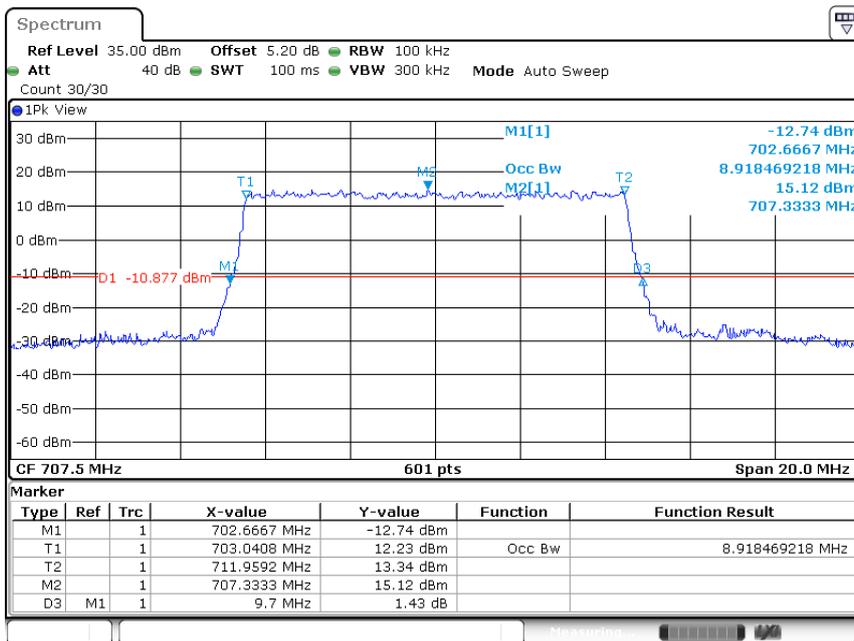
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-QPSK-23060-50RB#0-8.918



Date: 15.SEP.2020 09:33:04

Band12-10MHz-QPSK-23095-50RB#0-8.918



Date: 15.SEP.2020 09:33:35

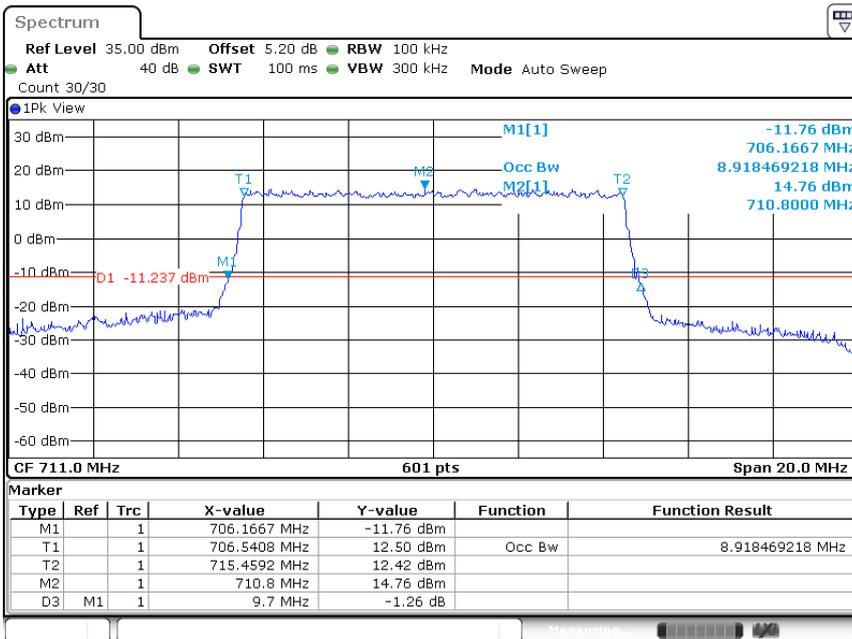


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

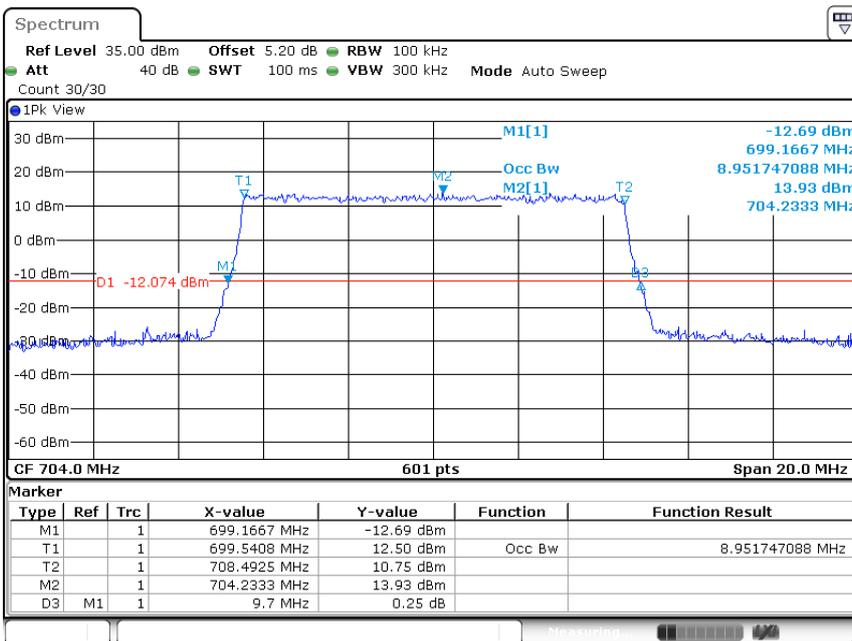
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band12-10MHz-QPSK-23130-50RB#0-8.918



Date: 15.SEP.2020 09:34:07

Band12-10MHz-16QAM-23060-50RB#0-8.952

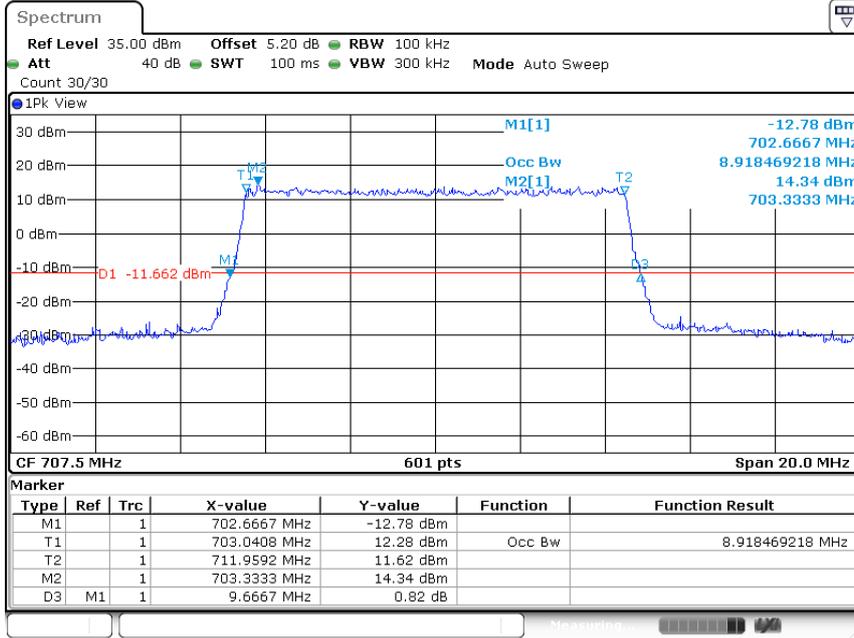


Date: 15.SEP.2020 09:33:19



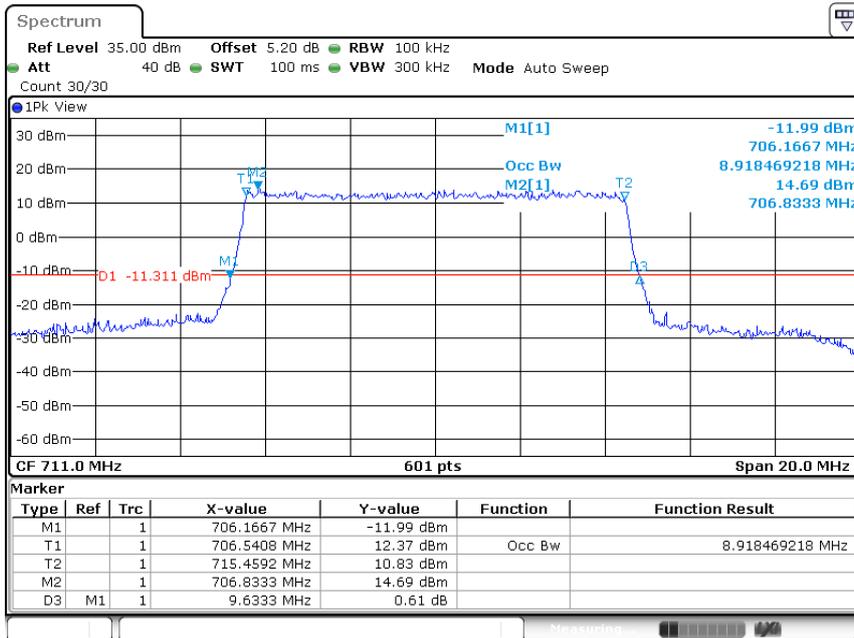
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23095-50RB#0-8.918



Date: 15.SEP.2020 09:33:51

Band12-10MHz-16QAM-23130-50RB#0-8.918

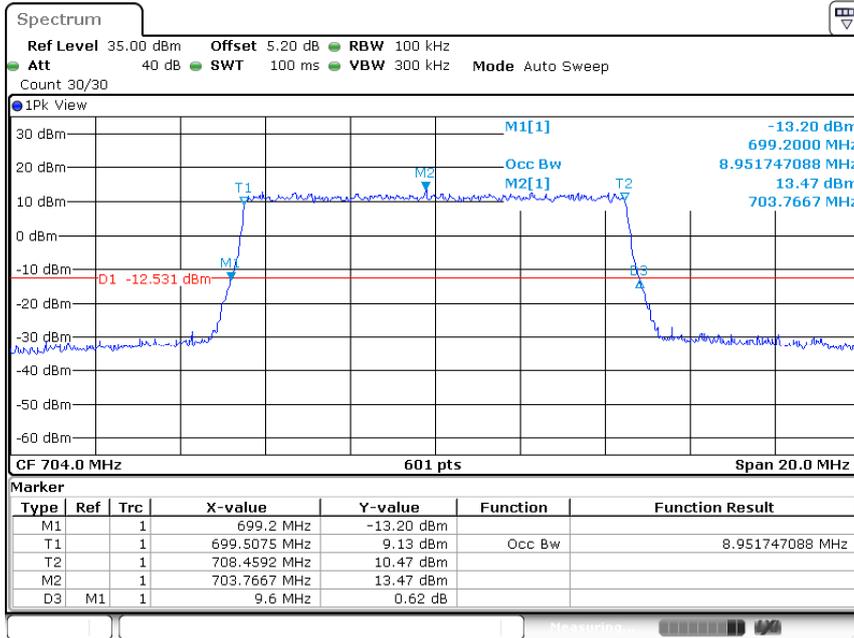


Date: 15.SEP.2020 09:34:23



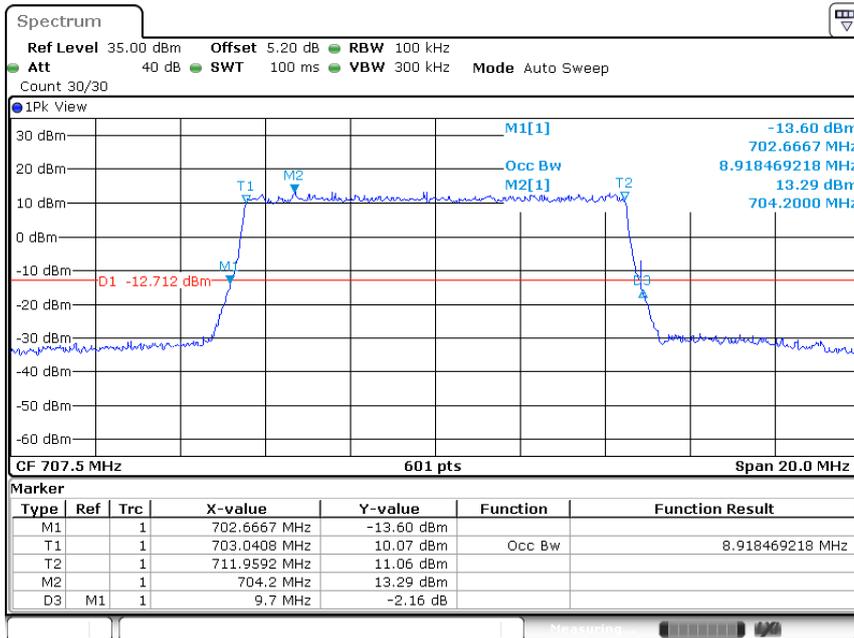
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-64QAM-23060-50RB#0-8.952



Date: 15.SEP.2020 11:14:53

Band12-10MHz-64QAM-23095-50RB#0-8.918

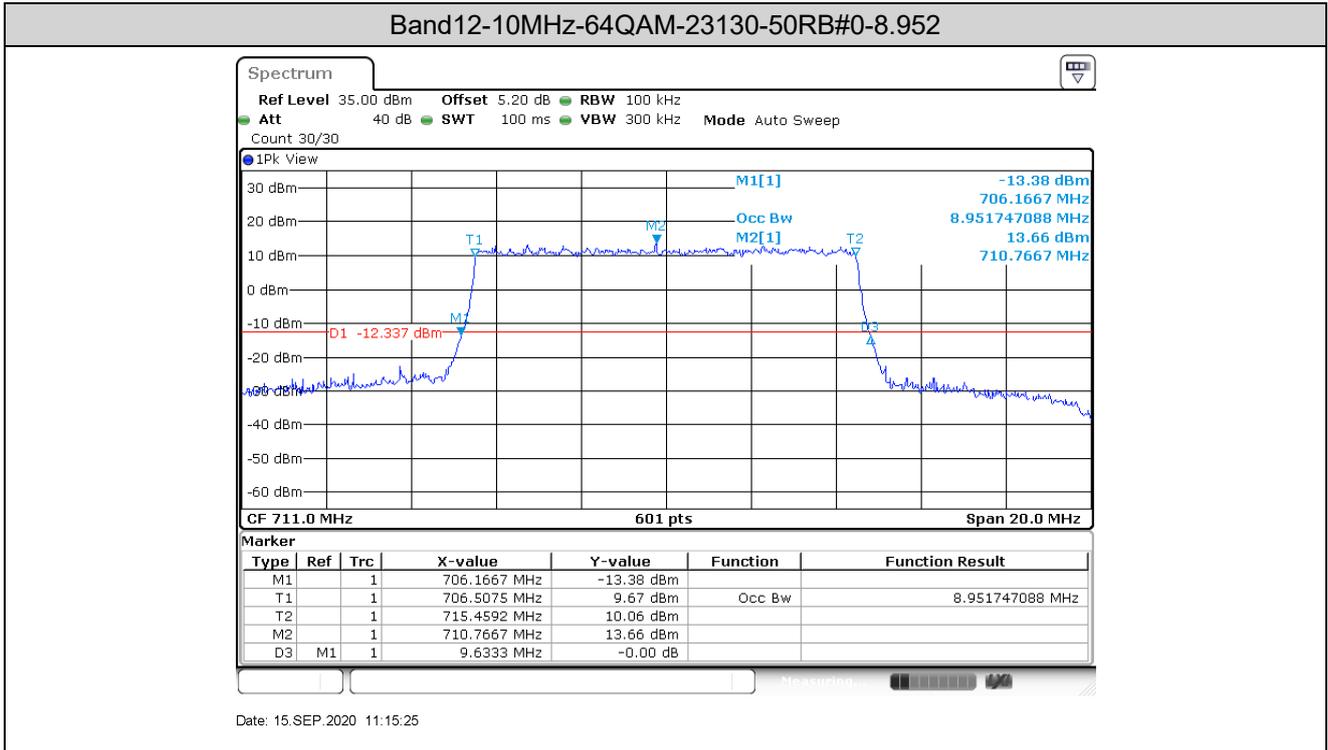


Date: 15.SEP.2020 11:15:09



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

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

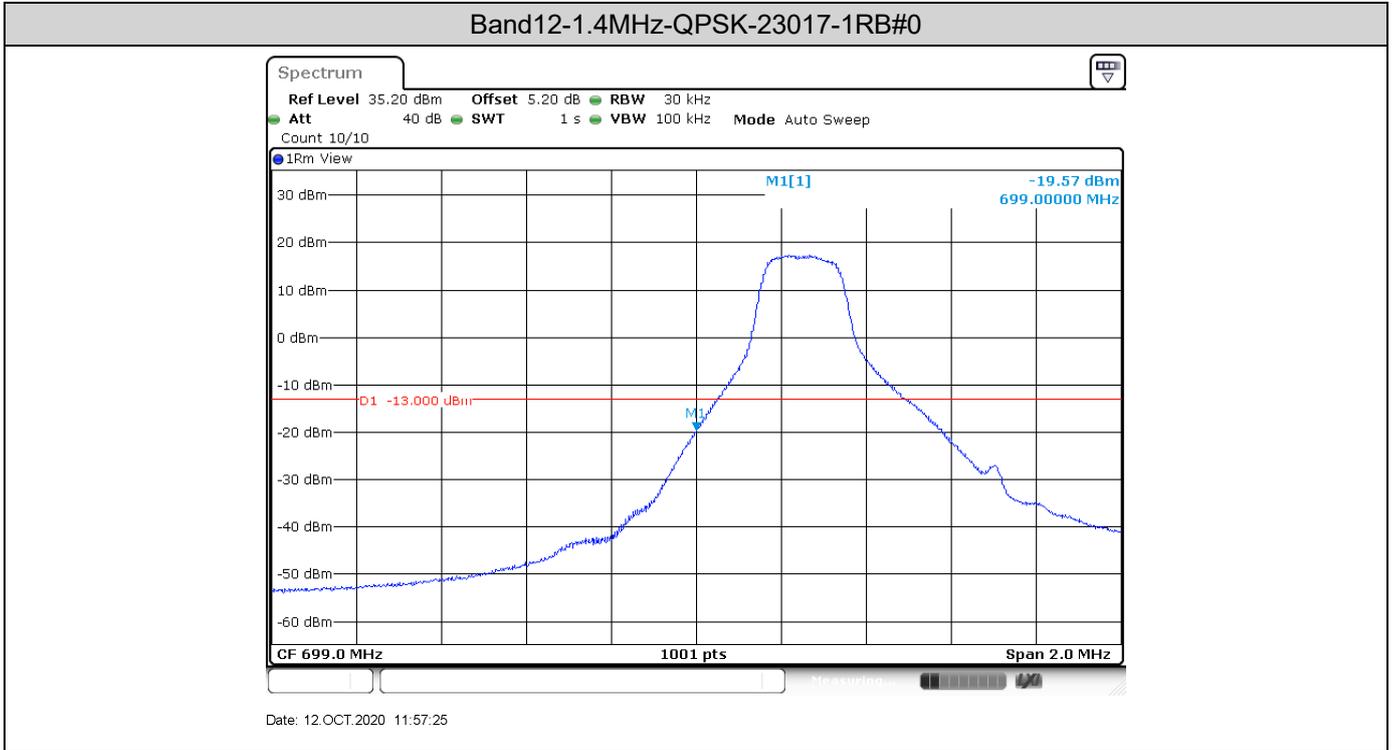


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

5 Band Edge Compliance

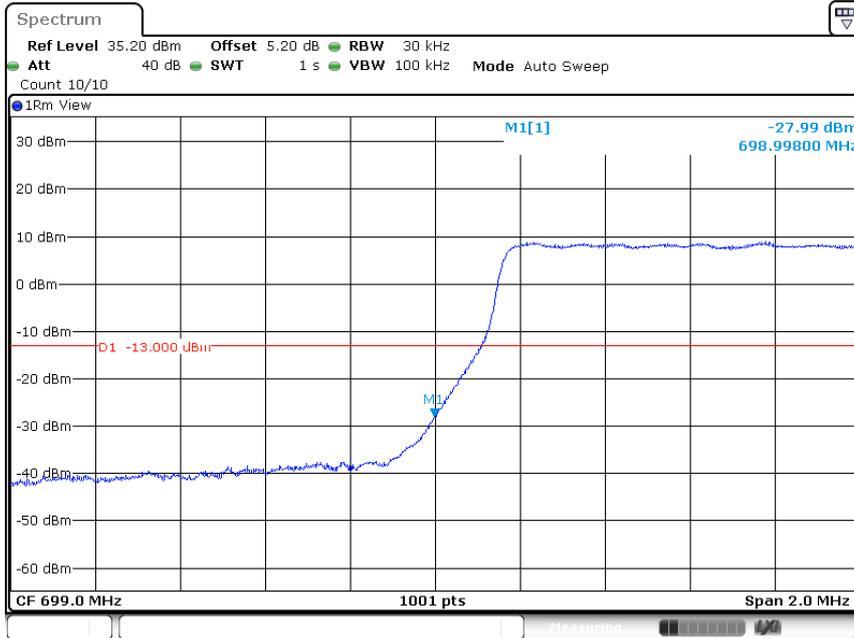
5.1 Test Plots



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

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

Band12-1.4MHz-QPSK-23017-6RB#0



Date: 12.OCT.2020 11:58:05

Band12-1.4MHz-QPSK-23173-1RB#5



Date: 12.OCT.2020 11:58:50



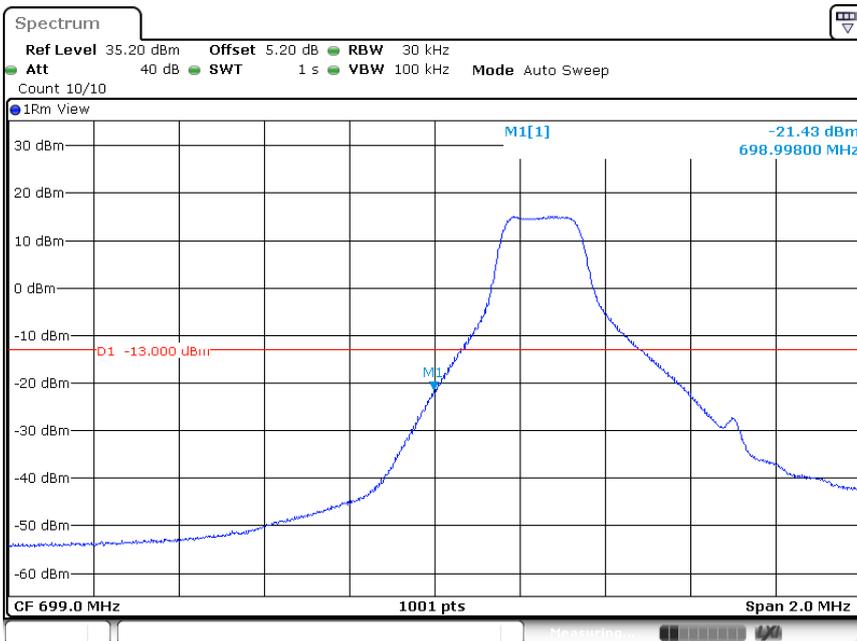
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-1.4MHz-QPSK-23173-6RB#0



Date: 12.OCT.2020 11:59:31

Band12-1.4MHz-64QAM-23017-1RB#0



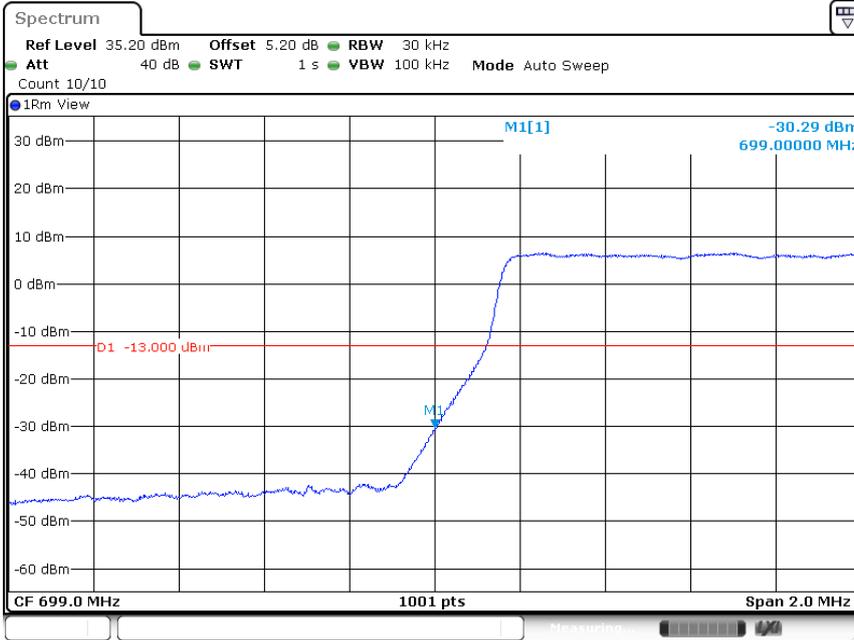
Date: 12.OCT.2020 12:21:28



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

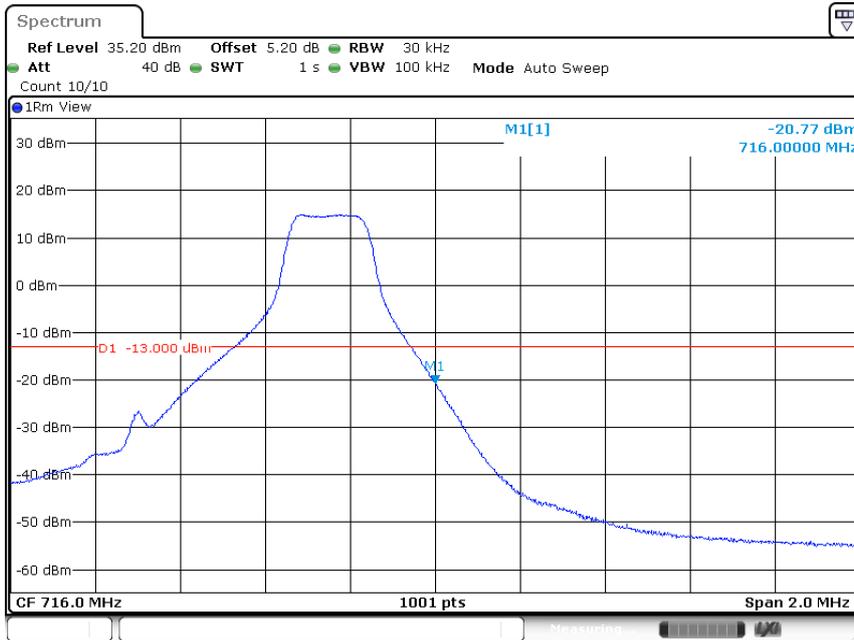
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-1.4MHz-64QAM-23017-6RB#0



Date: 12.OCT.2020 12:21:49

Band12-1.4MHz-64QAM-23173-1RB#5



Date: 12.OCT.2020 12:22:14



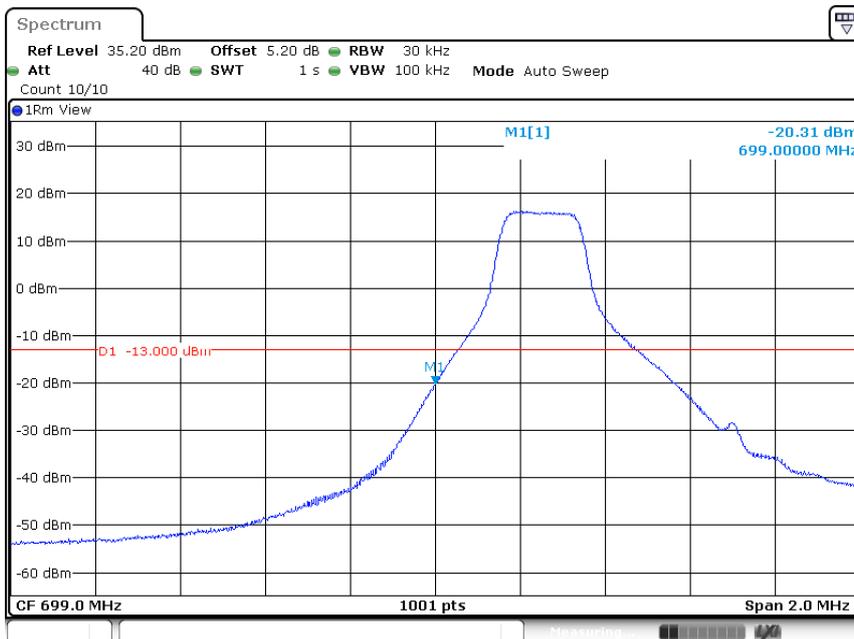
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-1.4MHz-64QAM-23173-6RB#0



Date: 12.OCT.2020 12:22:34

Band12-1.4MHz-16QAM-23017-1RB#0

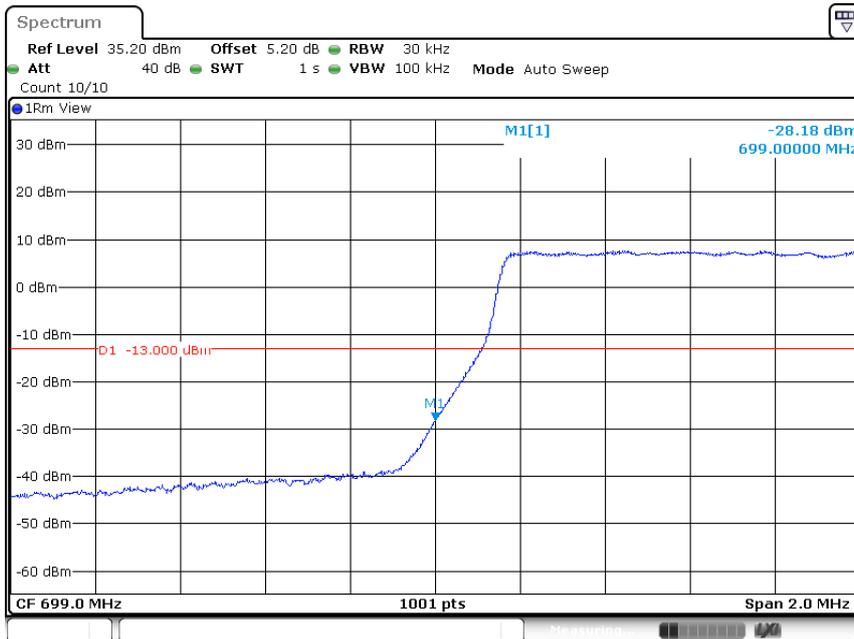


Date: 12.OCT.2020 11:57:45



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

Band12-1.4MHz-16QAM-23017-6RB#0



Date: 12.OCT.2020 11:58:26

Band12-1.4MHz-16QAM-23173-1RB#5



Date: 12.OCT.2020 11:59:11



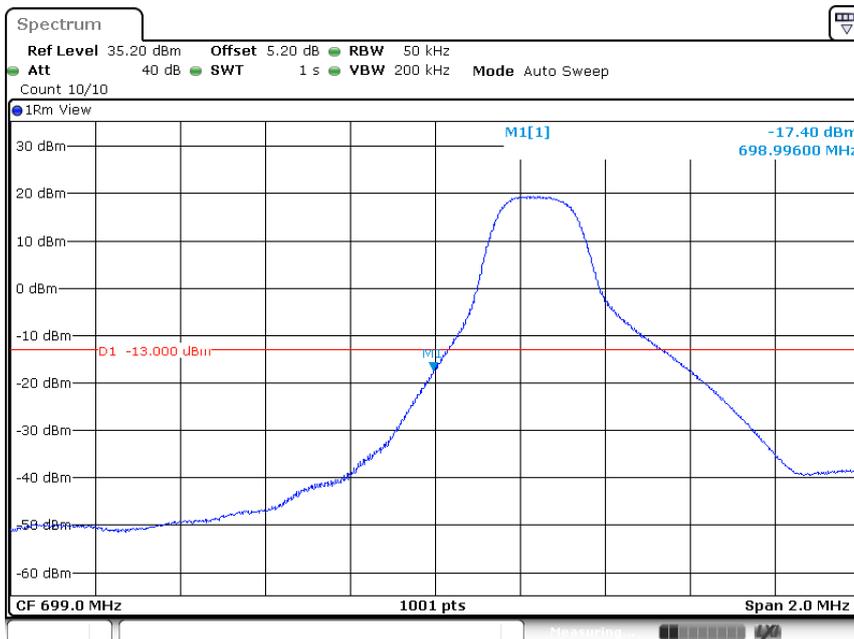
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-1.4MHz-16QAM-23173-6RB#0



Date: 12.OCT.2020 11:59:52

Band12-3MHz-QPSK-23025-1RB#0



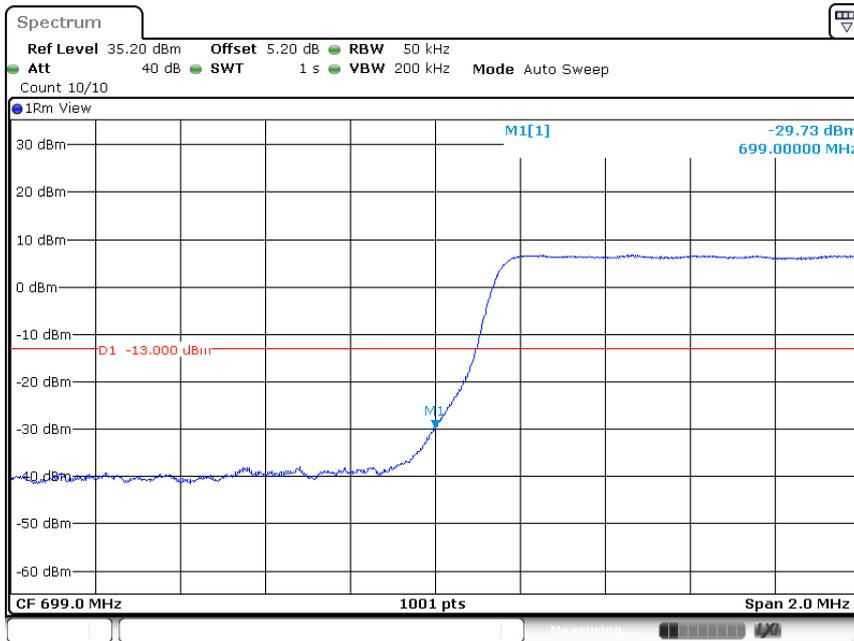
Date: 12.OCT.2020 12:00:17



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-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.

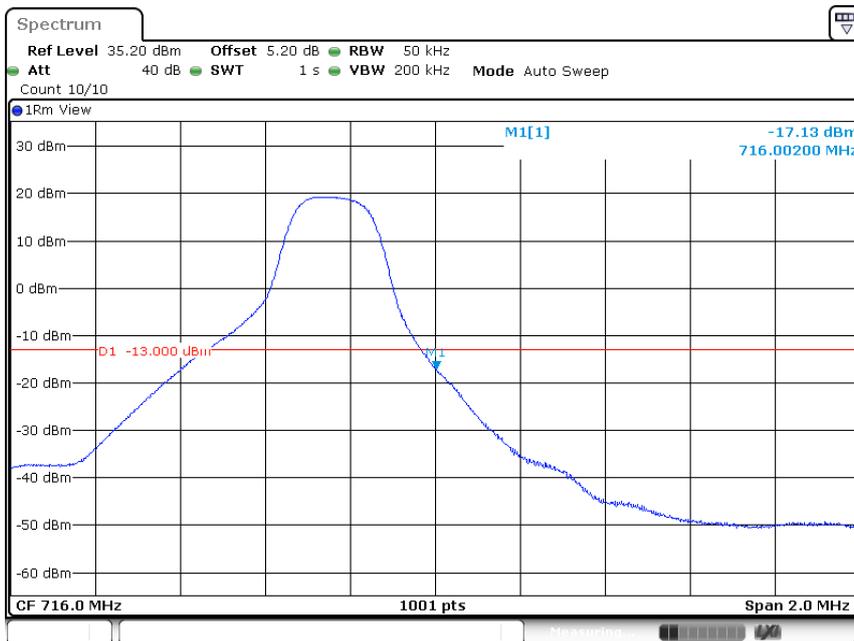
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-3MHz-QPSK-23025-15RB#0



Date: 12.OCT.2020 12:00:58

Band12-3MHz-QPSK-23165-1RB#14



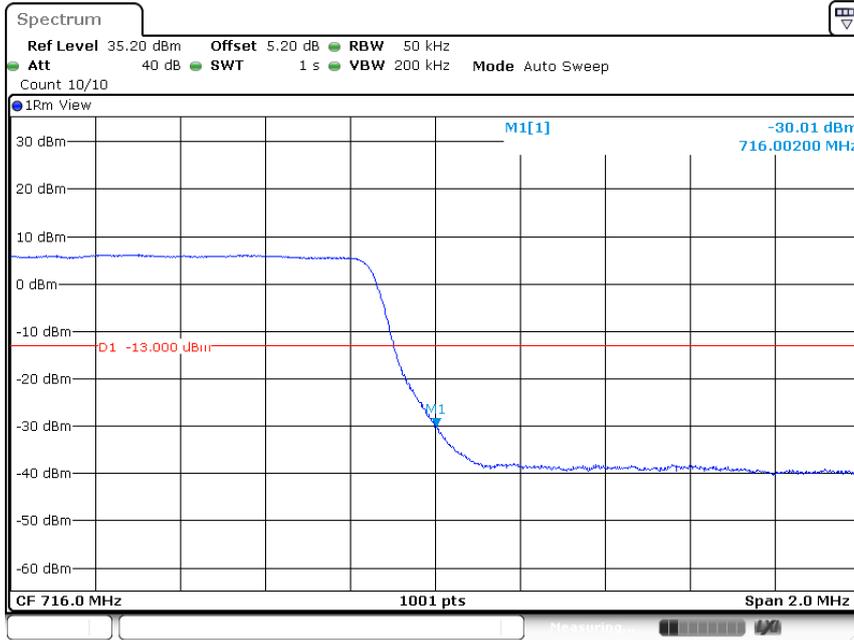
Date: 12.OCT.2020 12:01:45



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

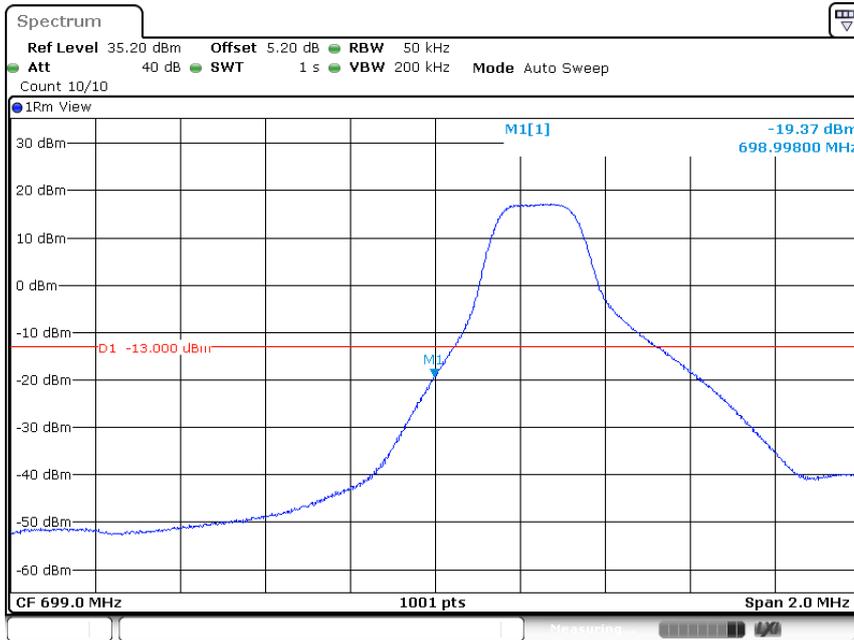
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-3MHz-QPSK-23165-15RB#0



Date: 12.OCT.2020 12:02:26

Band12-3MHz-64QAM-23025-1RB#0

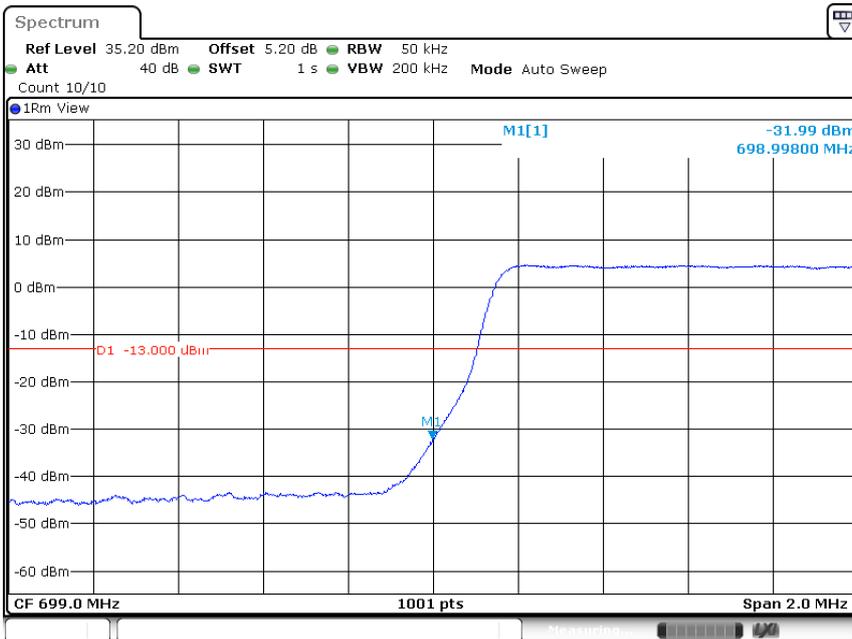


Date: 12.OCT.2020 12:23:00



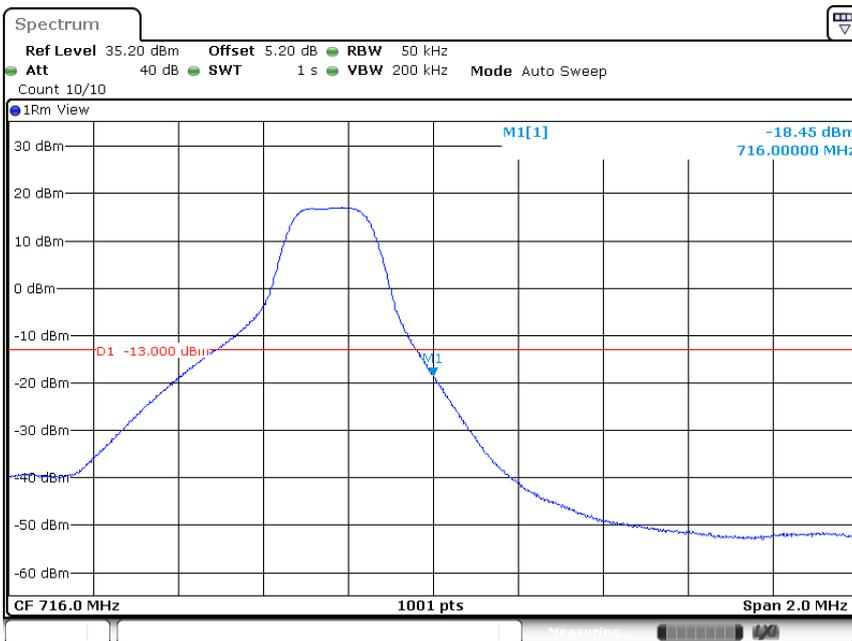
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-64QAM-23025-15RB#0



Date: 12.OCT.2020 12:23:21

Band12-3MHz-64QAM-23165-1RB#14



Date: 12.OCT.2020 12:23:46



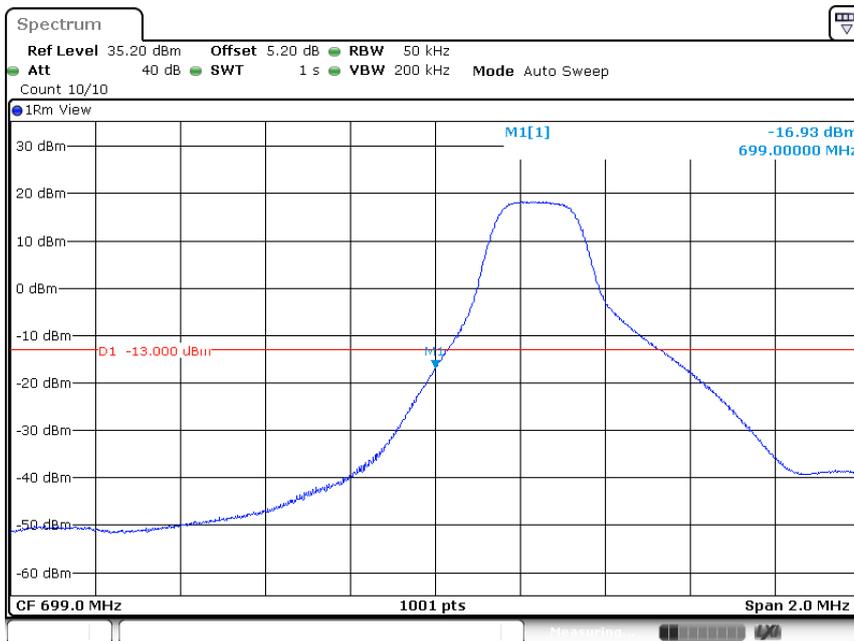
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-64QAM-23165-15RB#0



Date: 12.OCT.2020 12:24:07

Band12-3MHz-16QAM-23025-1RB#0

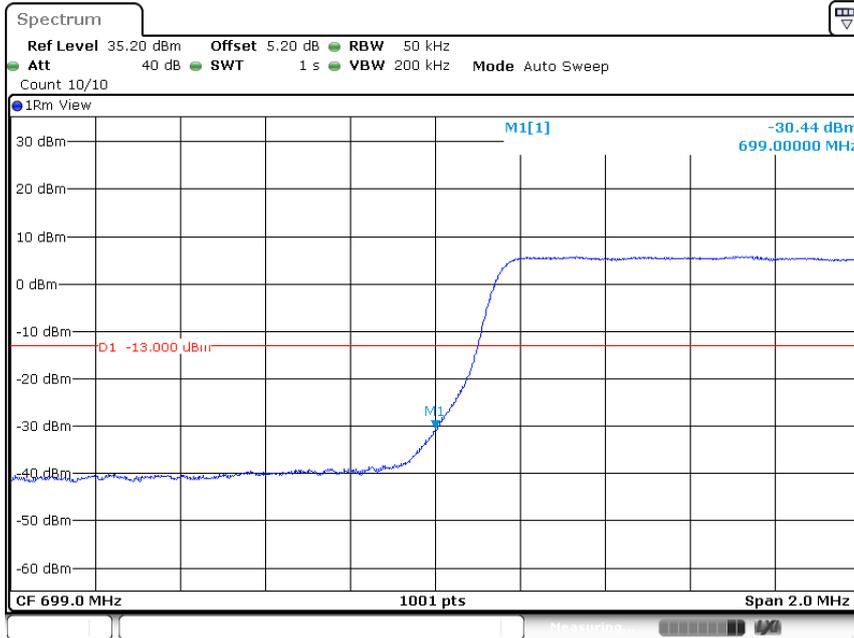


Date: 12.OCT.2020 12:00:38



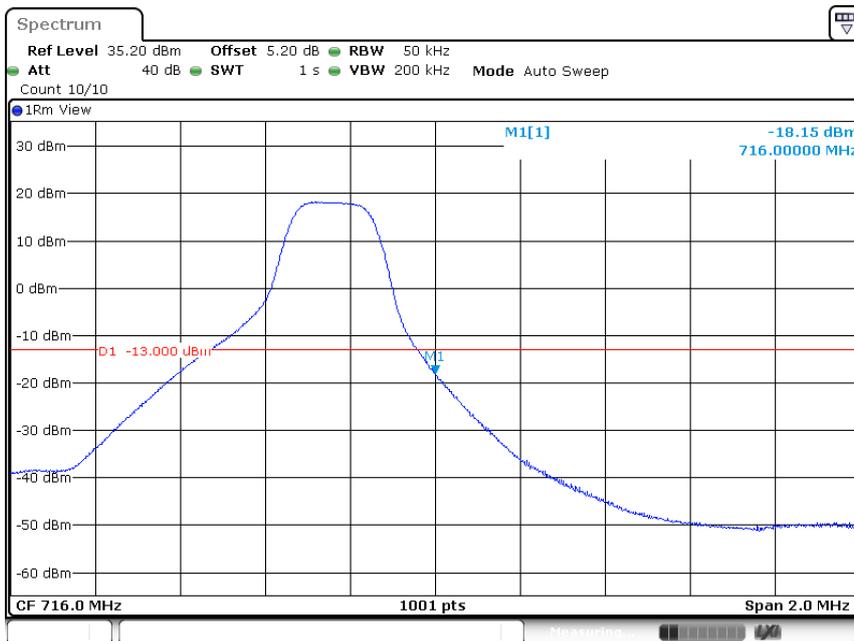
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-16QAM-23025-15RB#0



Date: 12.OCT.2020 12:01:20

Band12-3MHz-16QAM-23165-1RB#14



Date: 12.OCT.2020 12:02:06

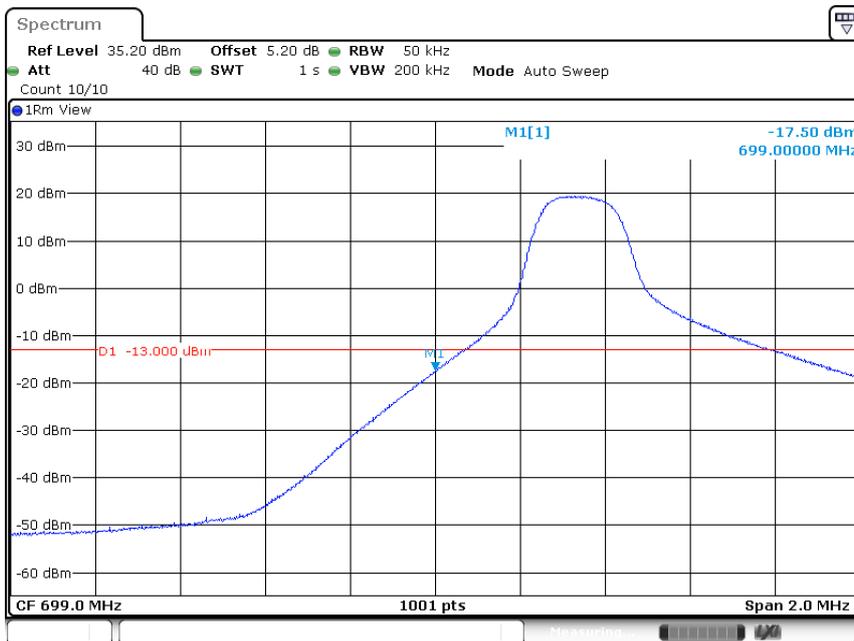


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-16QAM-23165-15RB#0



Band12-5MHz-QPSK-23035-1RB#0

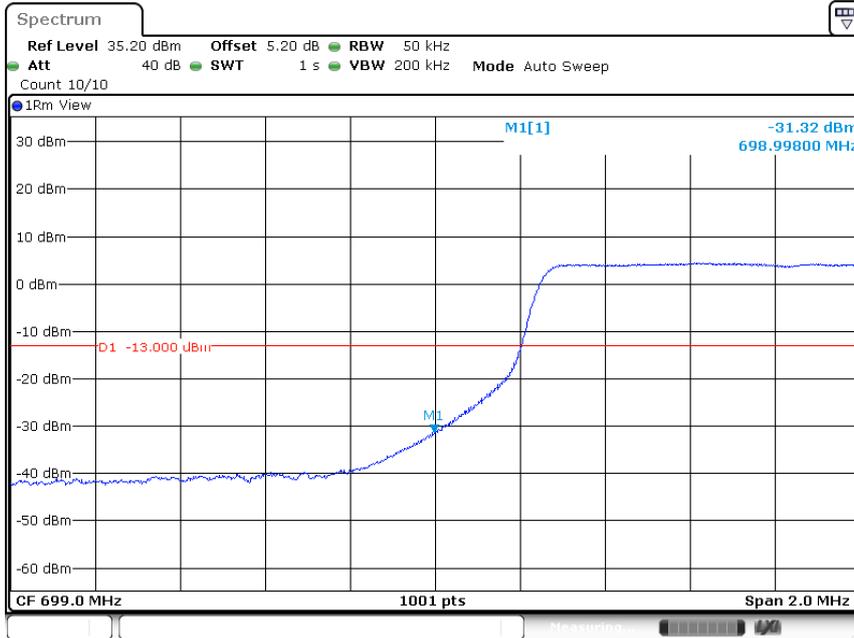


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

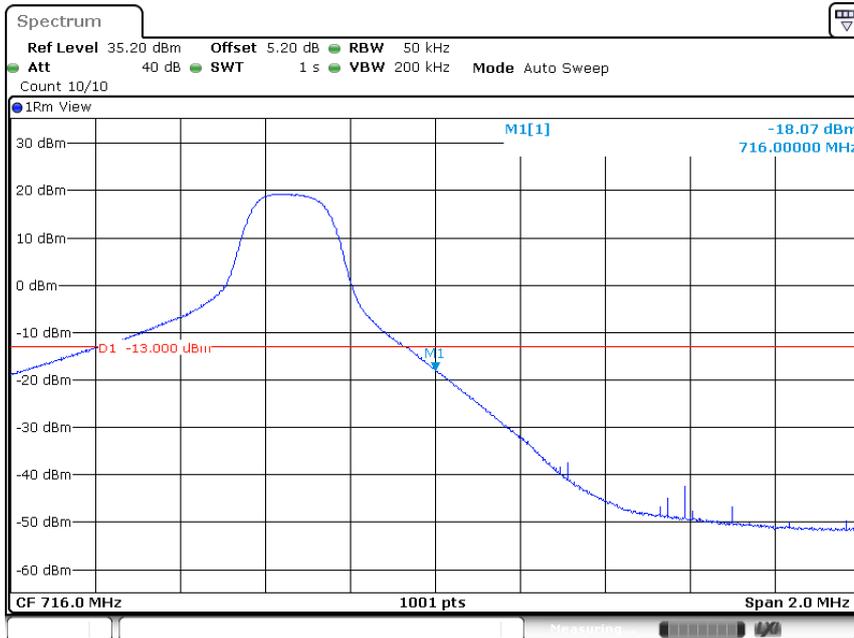
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band12-5MHz-QPSK-23035-25RB#0



Date: 12.OCT.2020 12:03:53

Band12-5MHz-QPSK-23155-1RB#24



Date: 12.OCT.2020 12:04:38



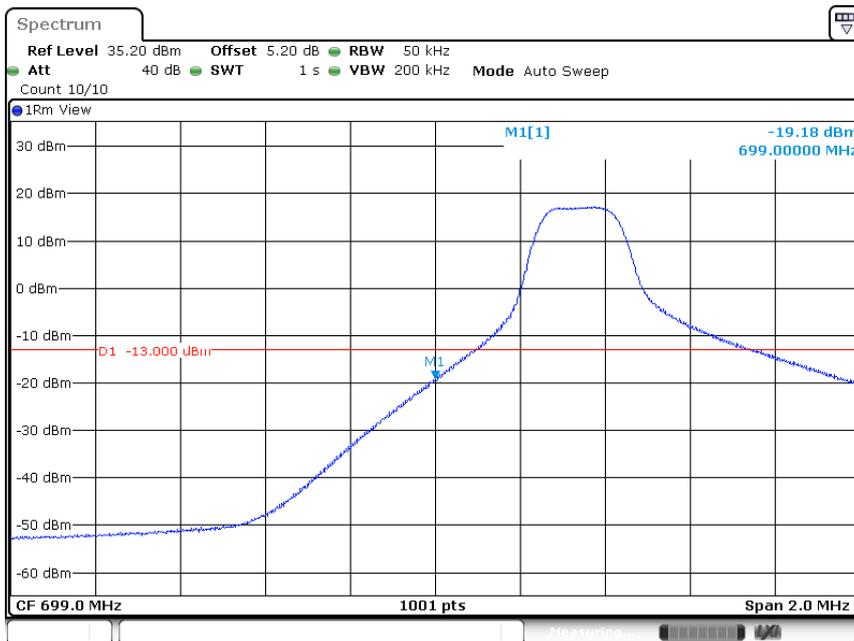
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-5MHz-QPSK-23155-25RB#0



Date: 12.OCT.2020 12:05:20

Band12-5MHz-64QAM-23035-1RB#0

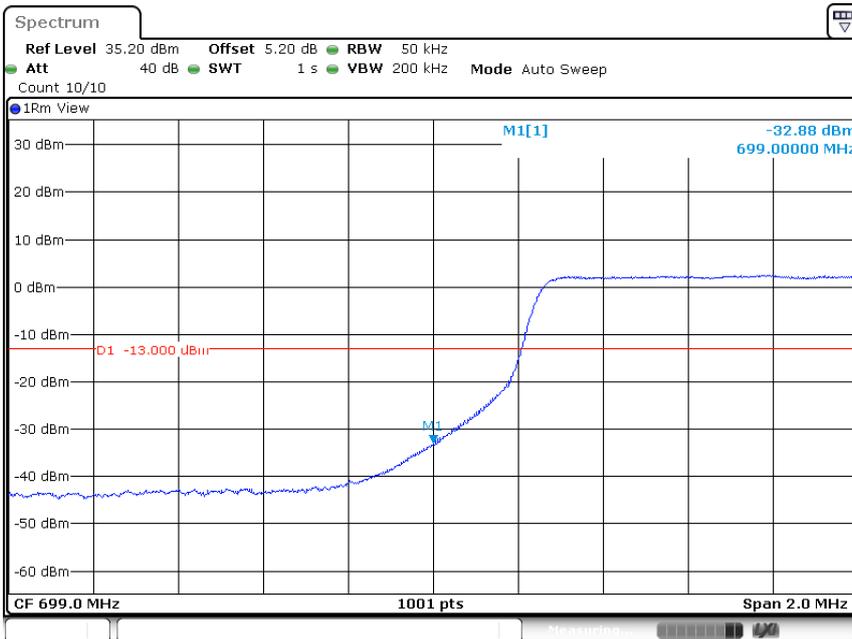


Date: 12.OCT.2020 12:24:32



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

Band12-5MHz-64QAM-23035-25RB#0



Date: 12.OCT.2020 12:24:53

Band12-5MHz-64QAM-23155-1RB#24



Date: 12.OCT.2020 12:25:18



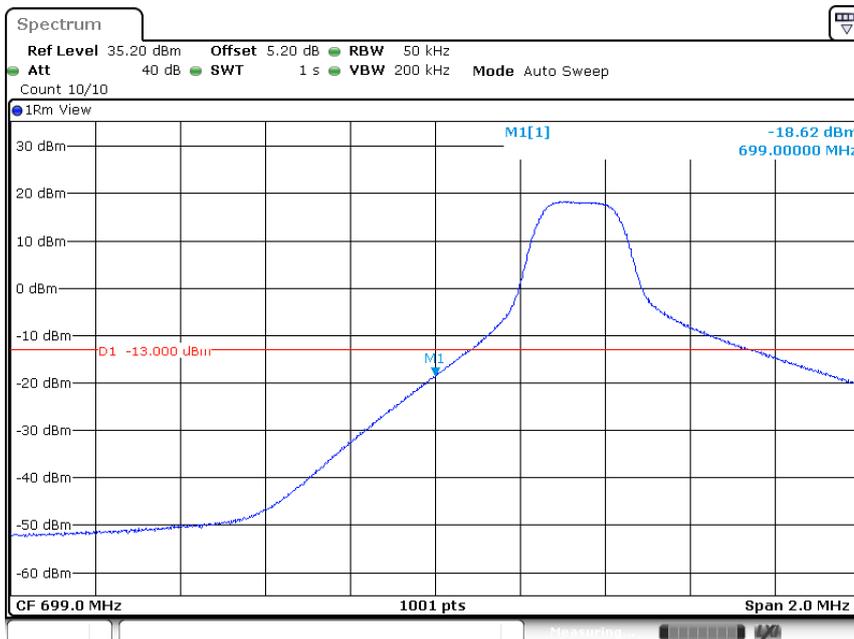
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-5MHz-64QAM-23155-25RB#0



Date: 12.OCT.2020 12:25:38

Band12-5MHz-16QAM-23035-1RB#0



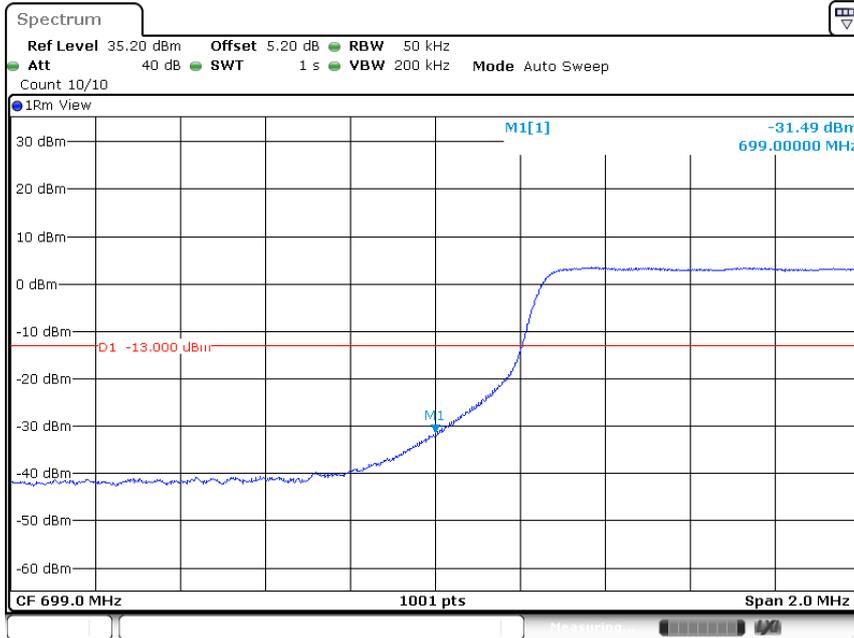
Date: 12.OCT.2020 12:03:32



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

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

Band12-5MHz-16QAM-23035-25RB#0



Date: 12.OCT.2020 12:04:13

Band12-5MHz-16QAM-23155-1RB#24

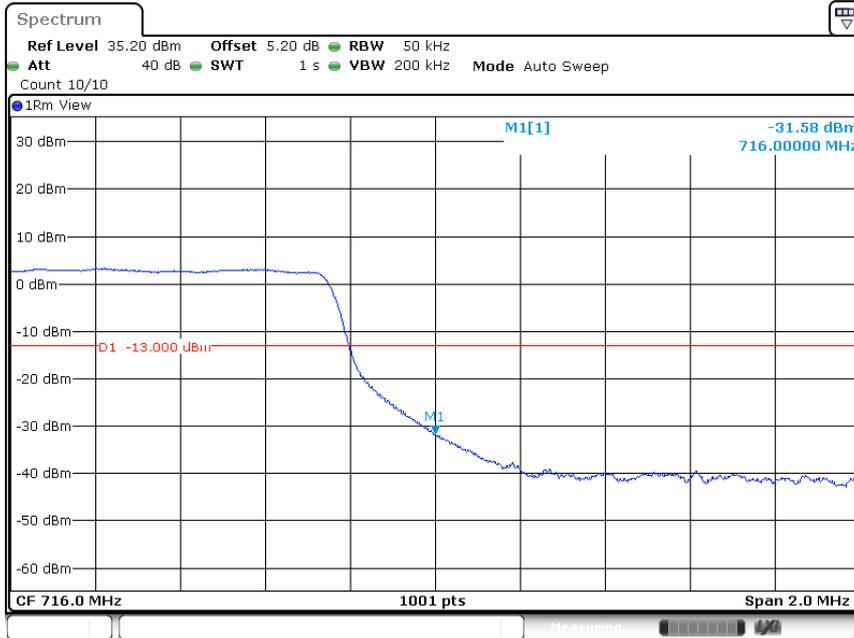


Date: 12.OCT.2020 12:04:59



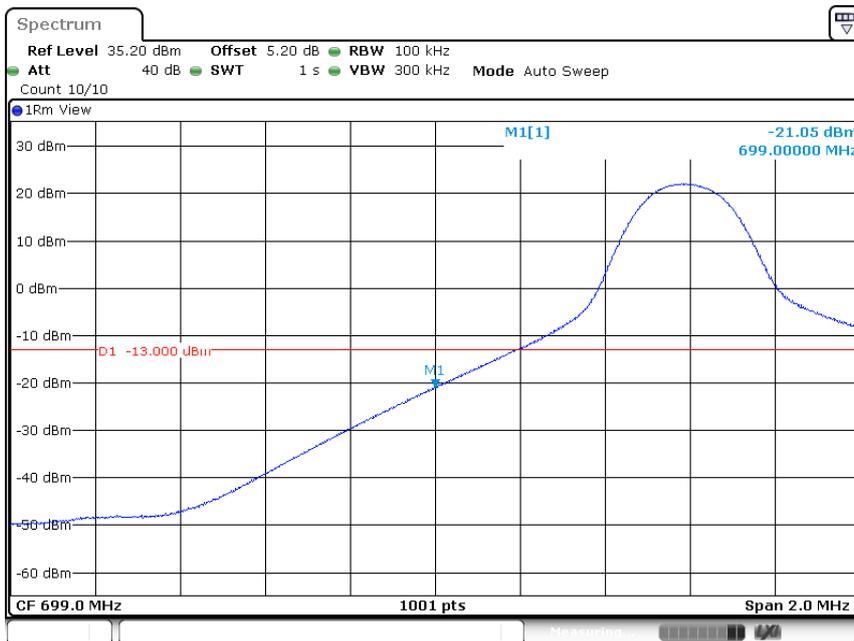
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-5MHz-16QAM-23155-25RB#0



Date: 12.OCT.2020 12:05:40

Band12-10MHz-QPSK-23060-1RB#0

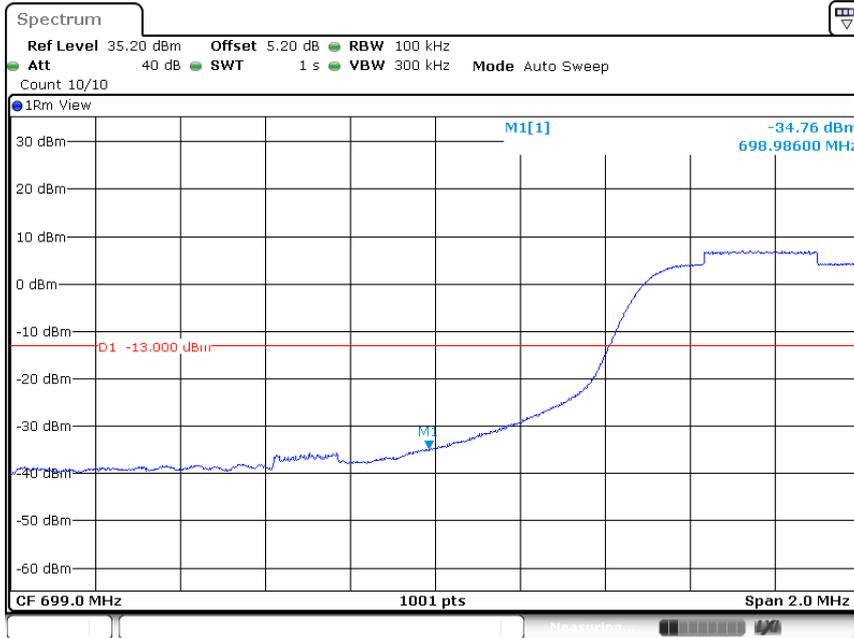


Date: 12.OCT.2020 12:06:06



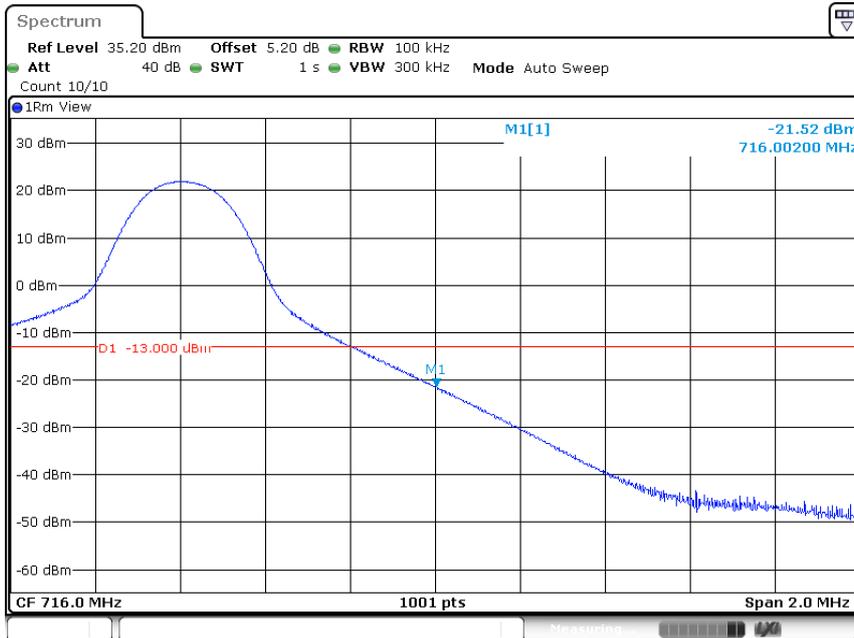
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-QPSK-23060-50RB#0



Date: 12.OCT.2020 12:06:47

Band12-10MHz-QPSK-23130-1RB#49



Date: 12.OCT.2020 12:07:32



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

Band12-10MHz-QPSK-23130-50RB#0



Date: 12.OCT.2020 12:08:13

Band12-10MHz-64QAM-23060-1RB#0



Date: 12.OCT.2020 12:26:04



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

Band12-10MHz-64QAM-23060-50RB#0



Date: 12.OCT.2020 12:26:25

Band12-10MHz-64QAM-23130-1RB#49



Date: 12.OCT.2020 12:26:50



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

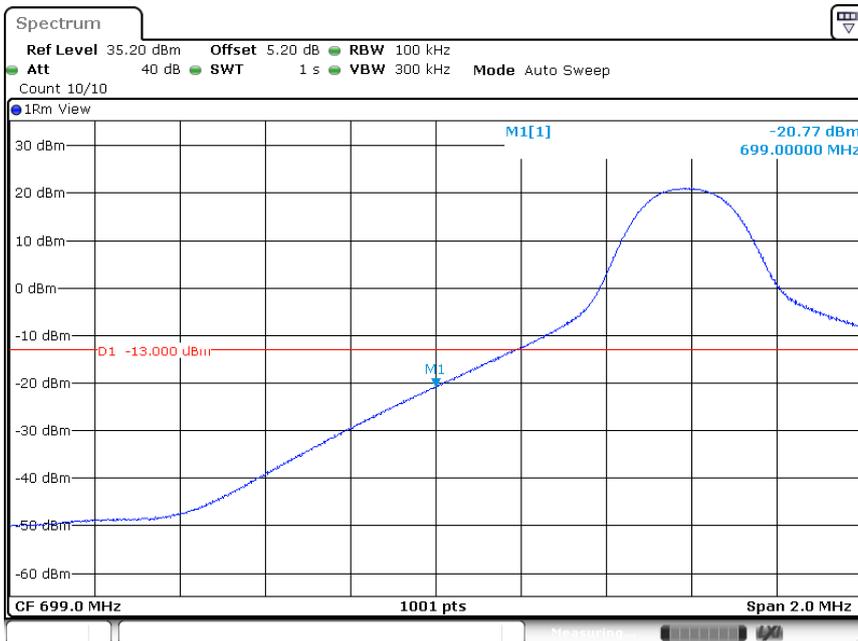
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-10MHz-64QAM-23130-50RB#0



Date: 12.OCT.2020 12:27:11

Band12-10MHz-16QAM-23060-1RB#0



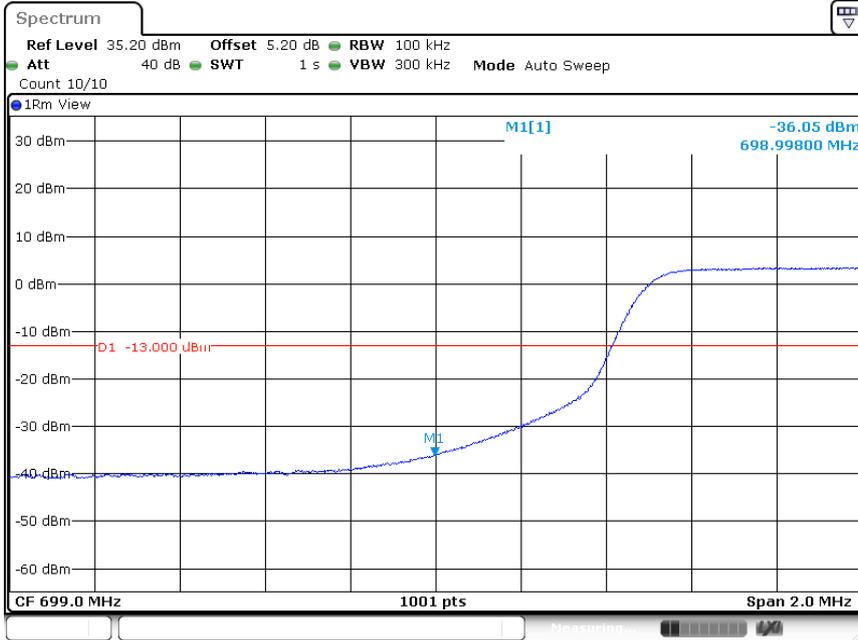
Date: 12.OCT.2020 12:06:26



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

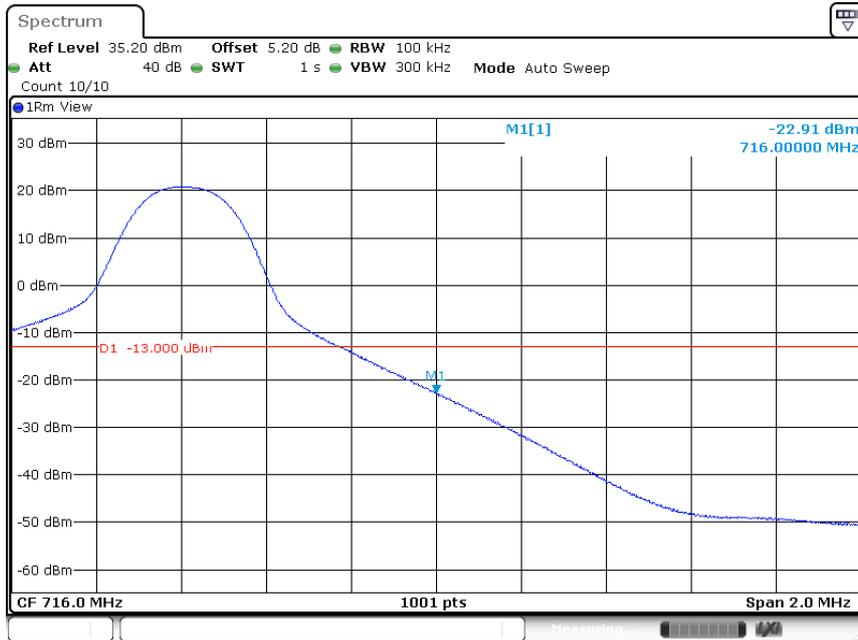
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band12-10MHz-16QAM-23060-50RB#0



Date: 12.OCT.2020 12:07:07

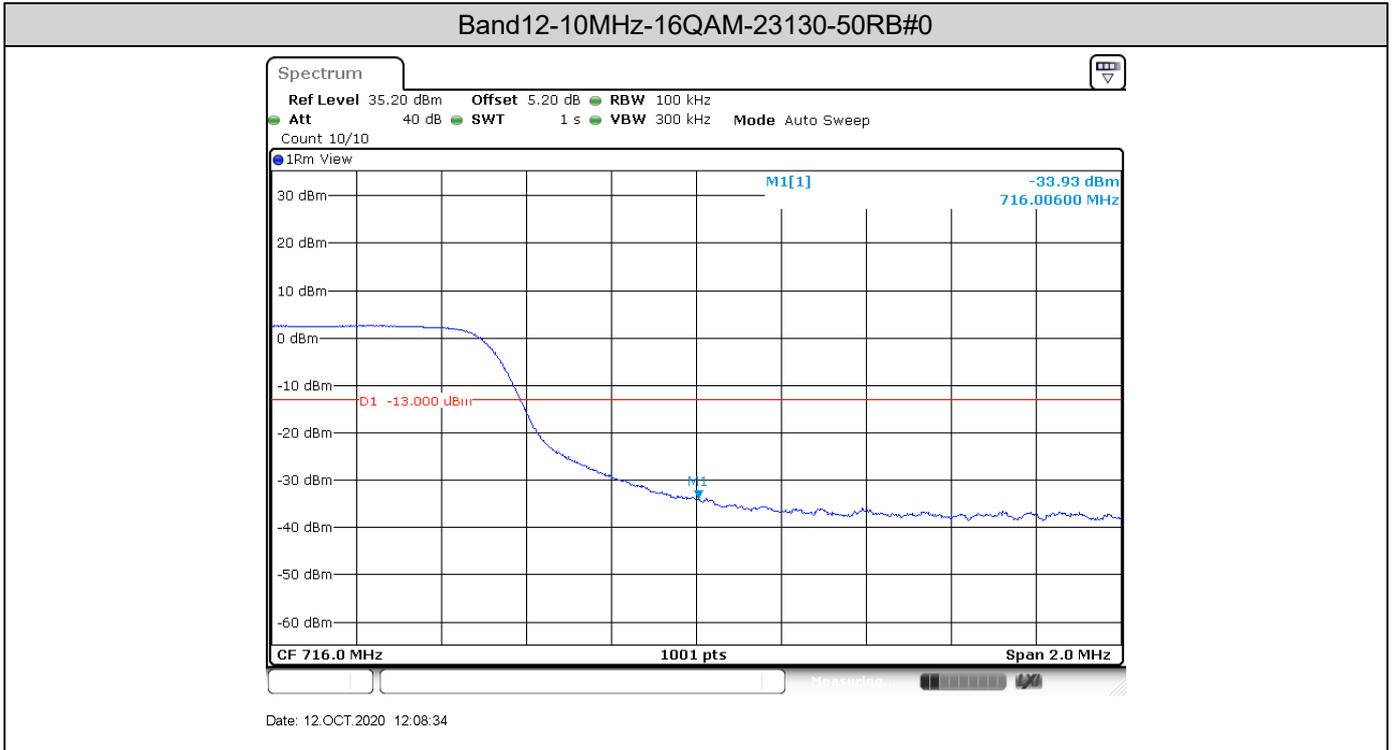
Band12-10MHz-16QAM-23130-1RB#49



Date: 12.OCT.2020 12:07:53



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



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

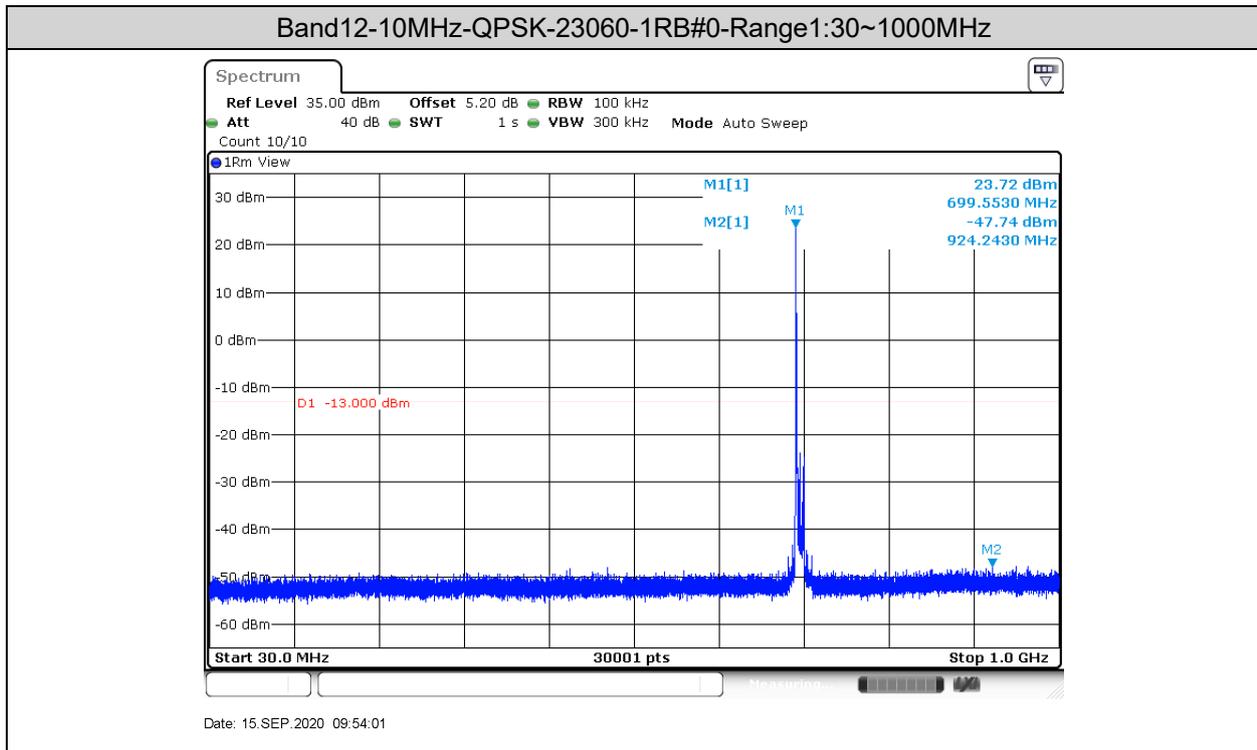
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

6 Spurious Emission at Antenna Terminal

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

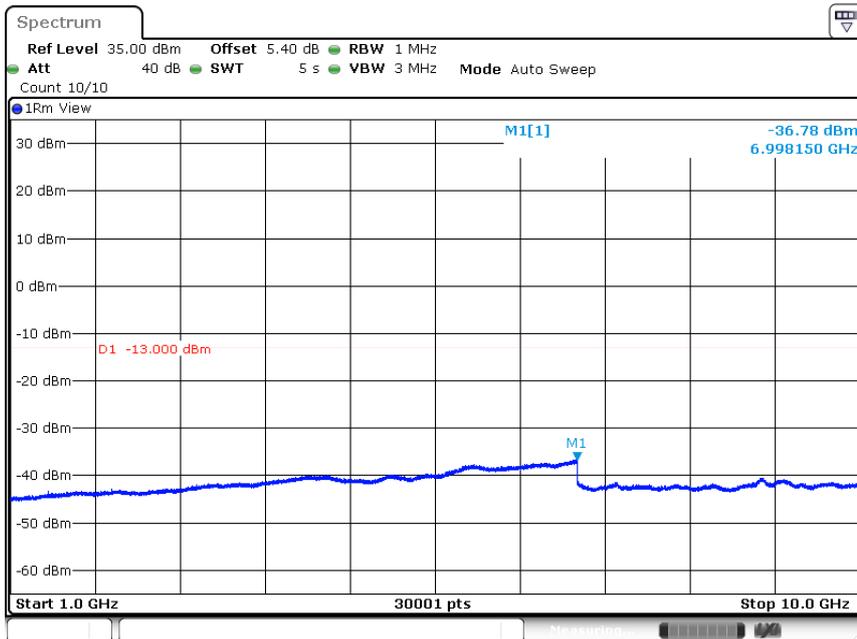
Remark2: only the worst case data displayed in this report.

6.1 Test Plots



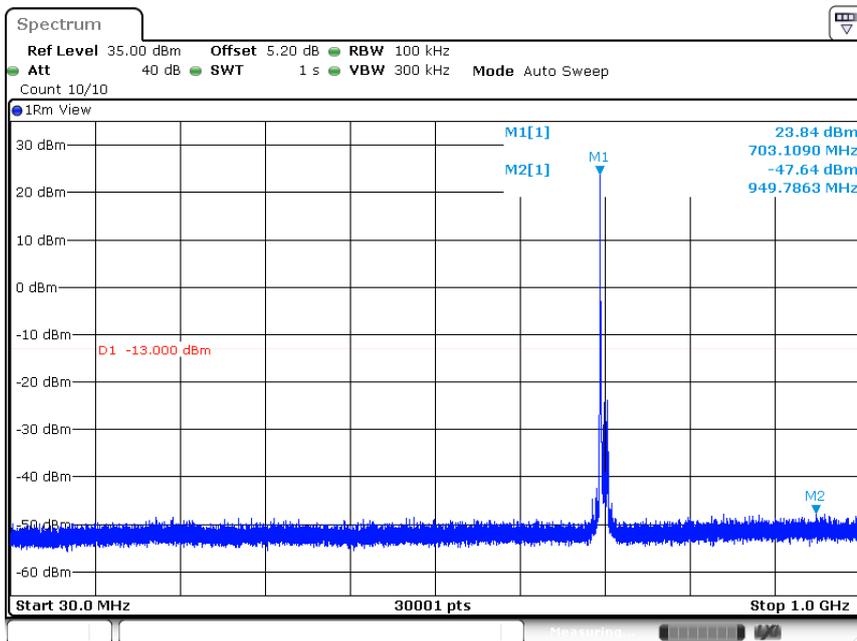
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 09:55:10

Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

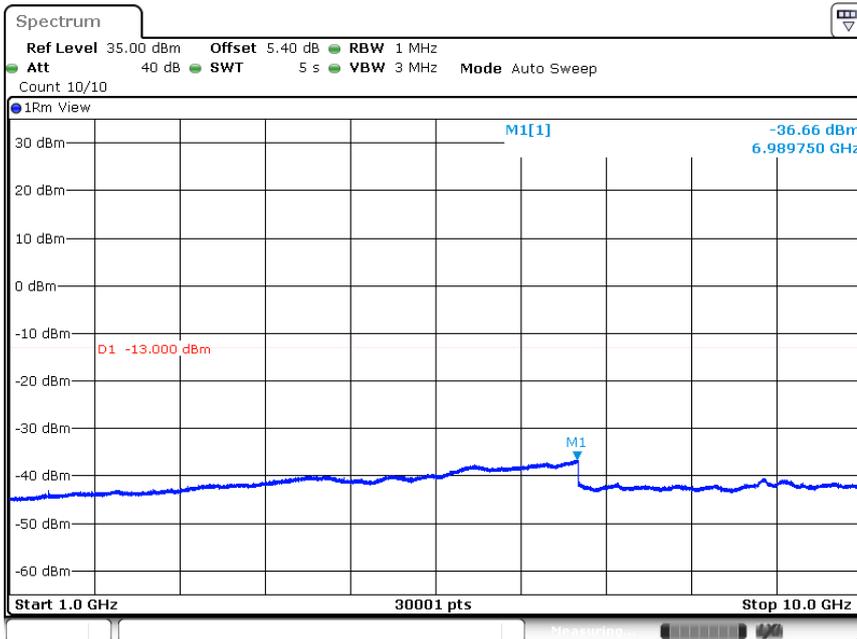


Date: 15.SEP.2020 09:57:04



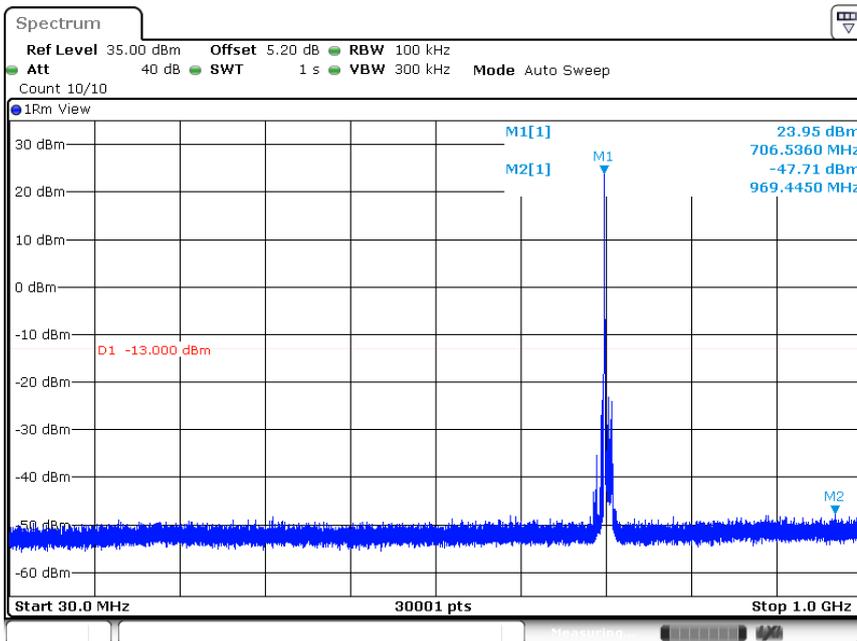
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 09:58:12

Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz

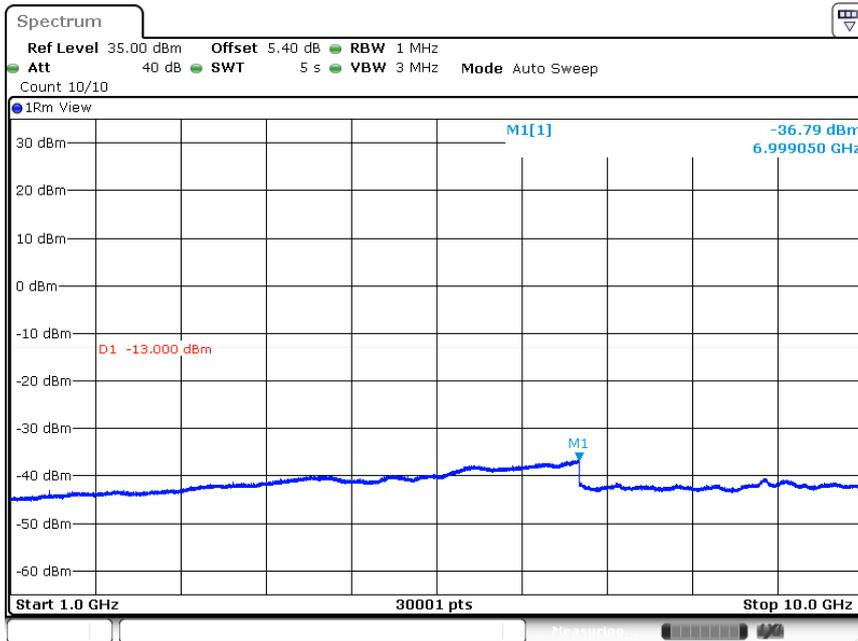


Date: 15.SEP.2020 10:00:07



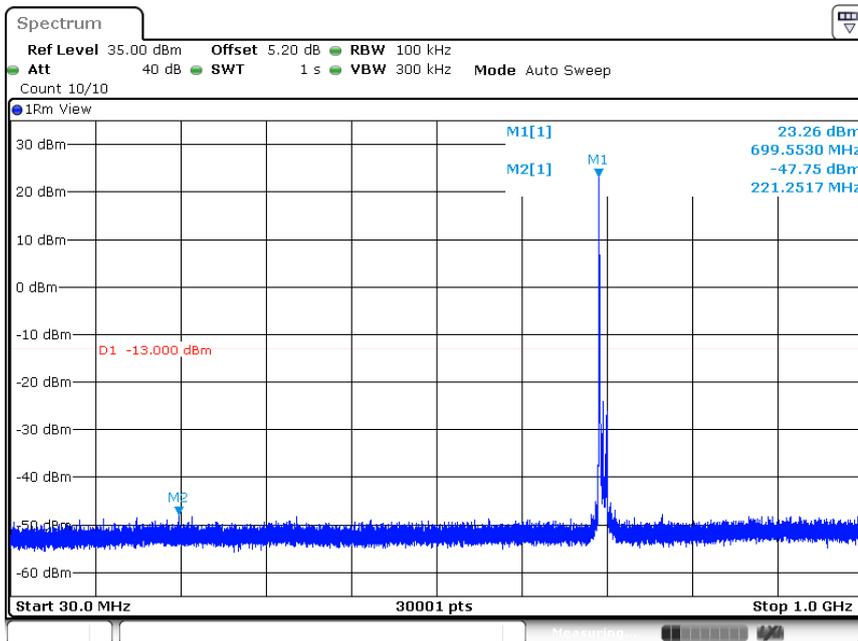
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:01:15

Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz

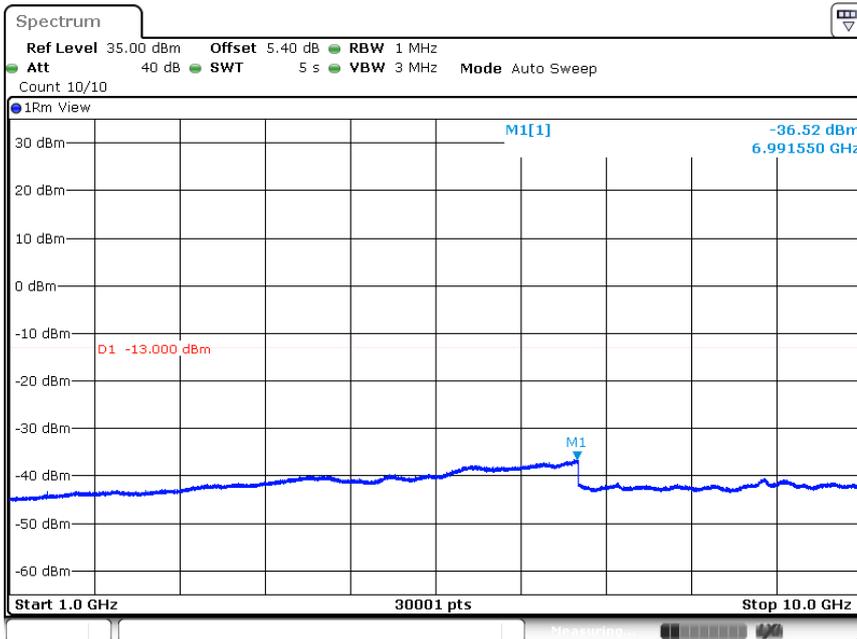


Date: 15.SEP.2020 09:55:32



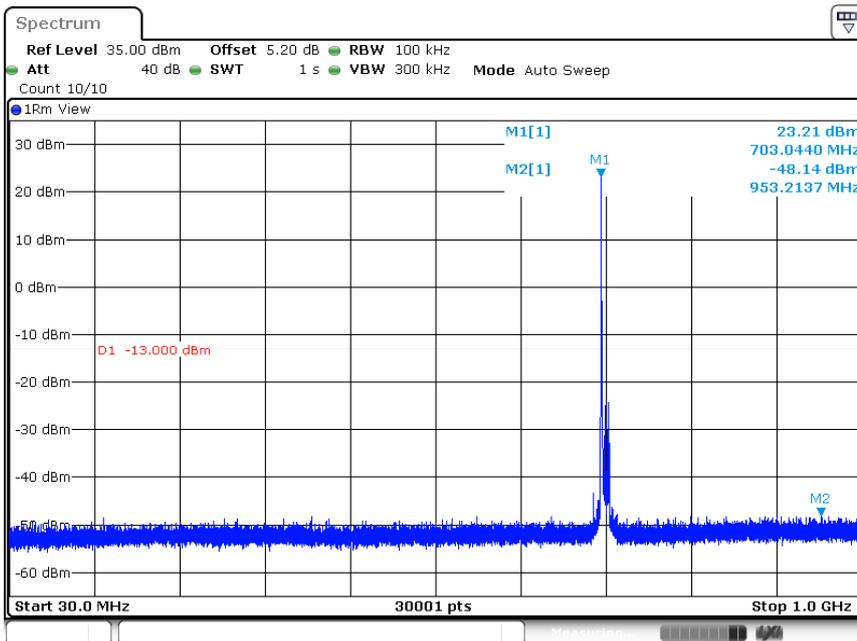
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 09:56:41

Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

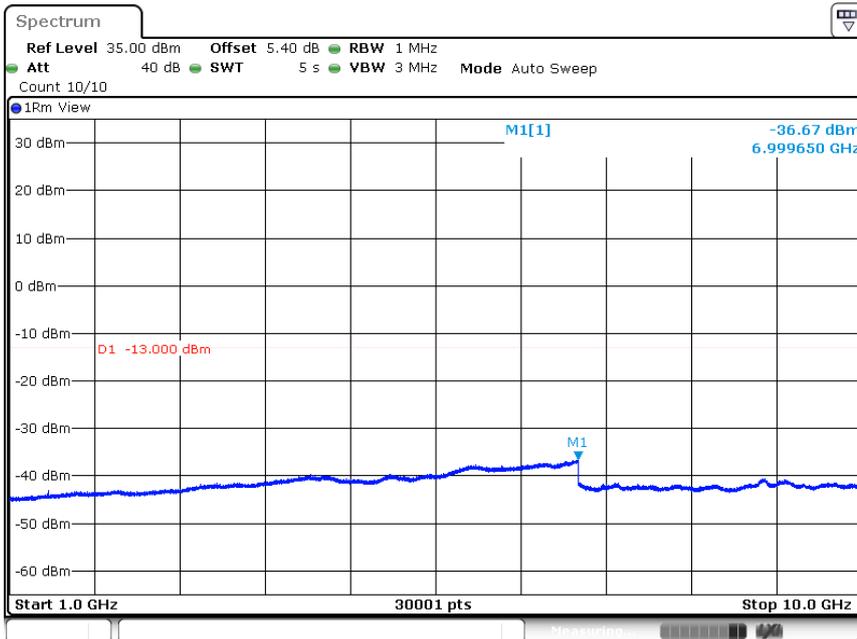


Date: 15.SEP.2020 09:58:35



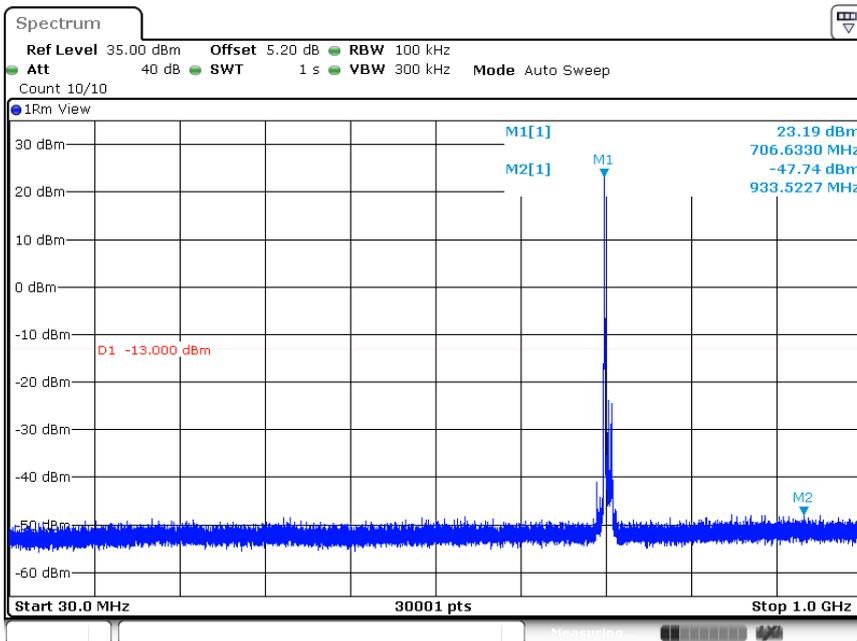
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 09:59:44

Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz

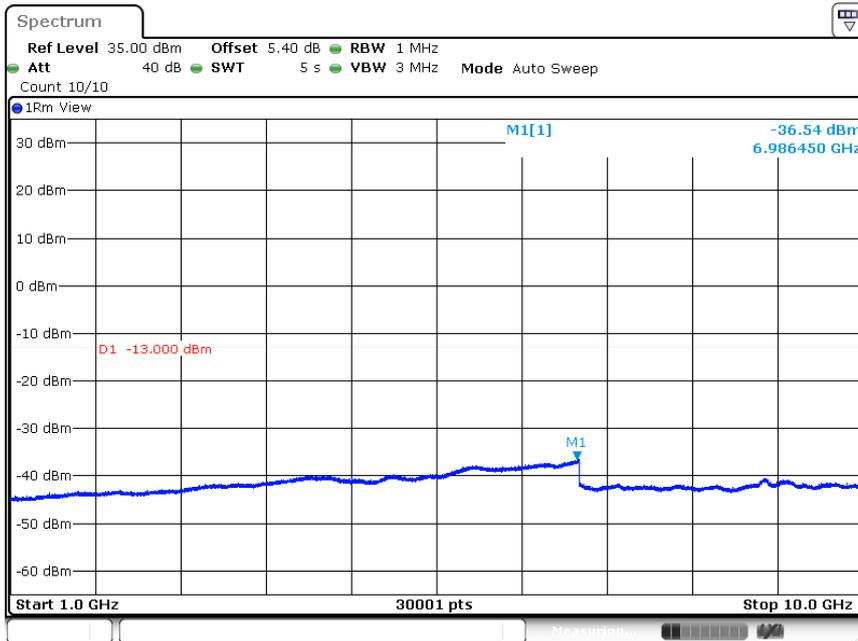


Date: 15.SEP.2020 10:01:37



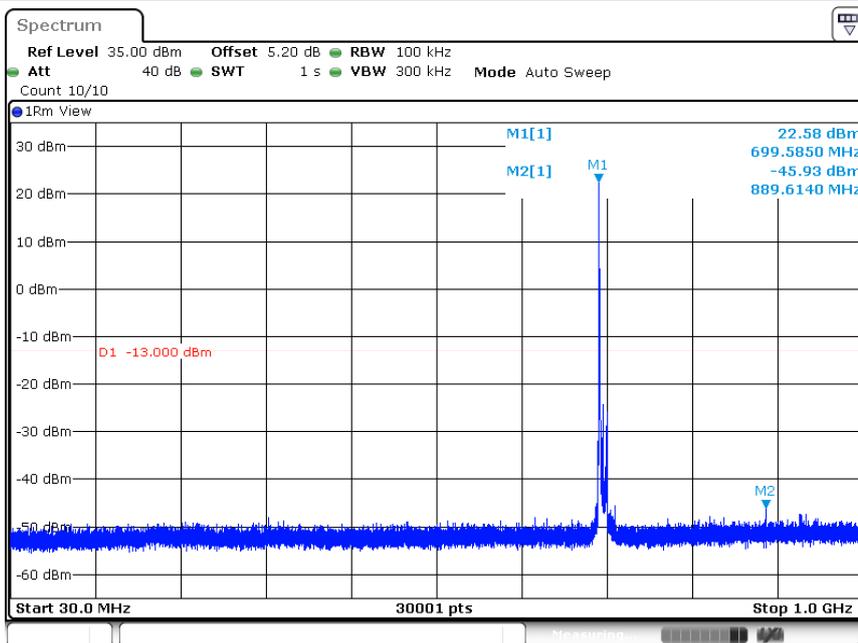
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:02:46

Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz

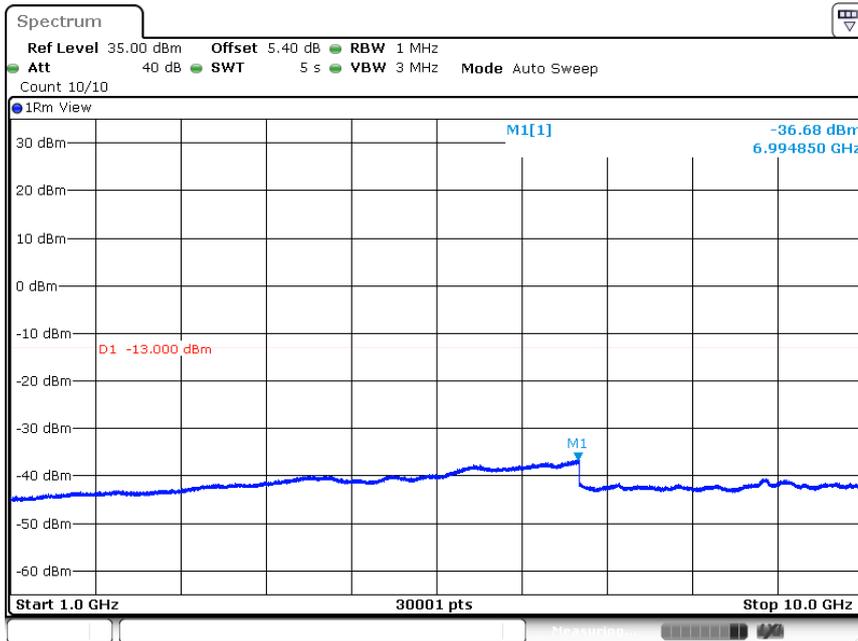


Date: 15.SEP.2020 11:23:26



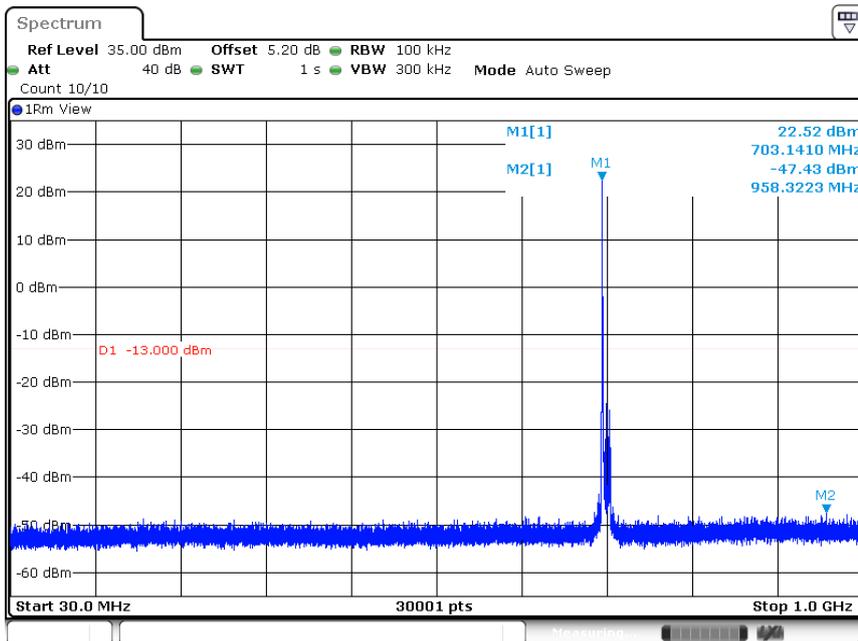
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 11:24:34

Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz

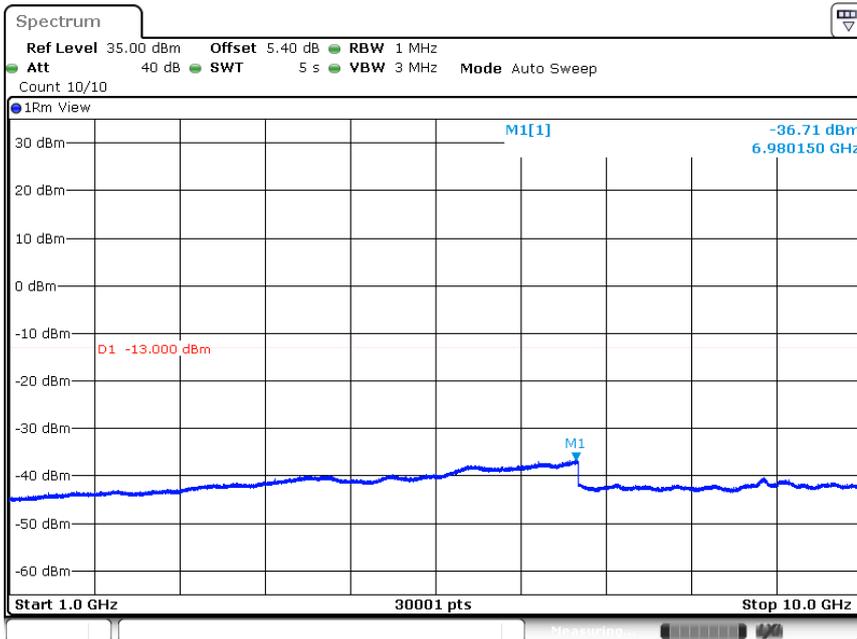


Date: 15.SEP.2020 11:24:57



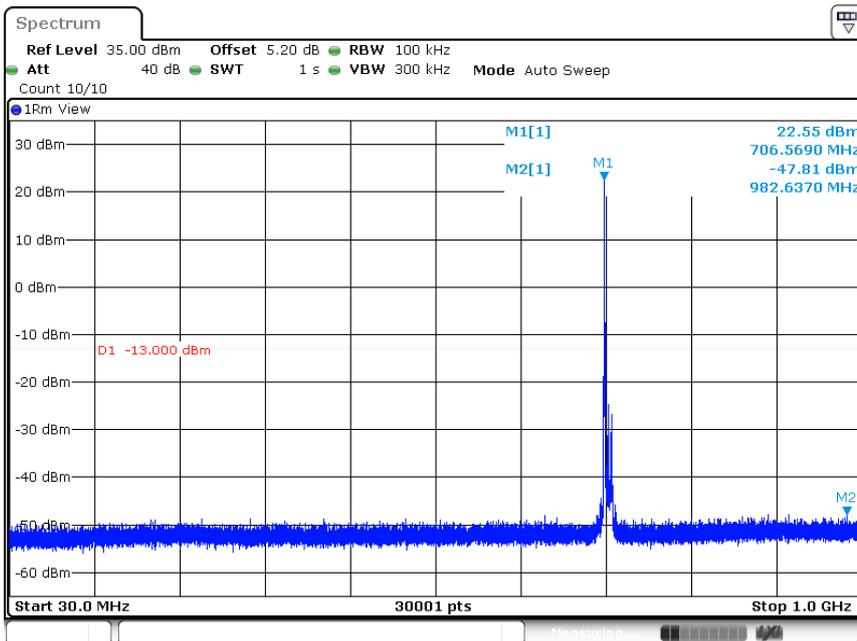
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 11:26:05

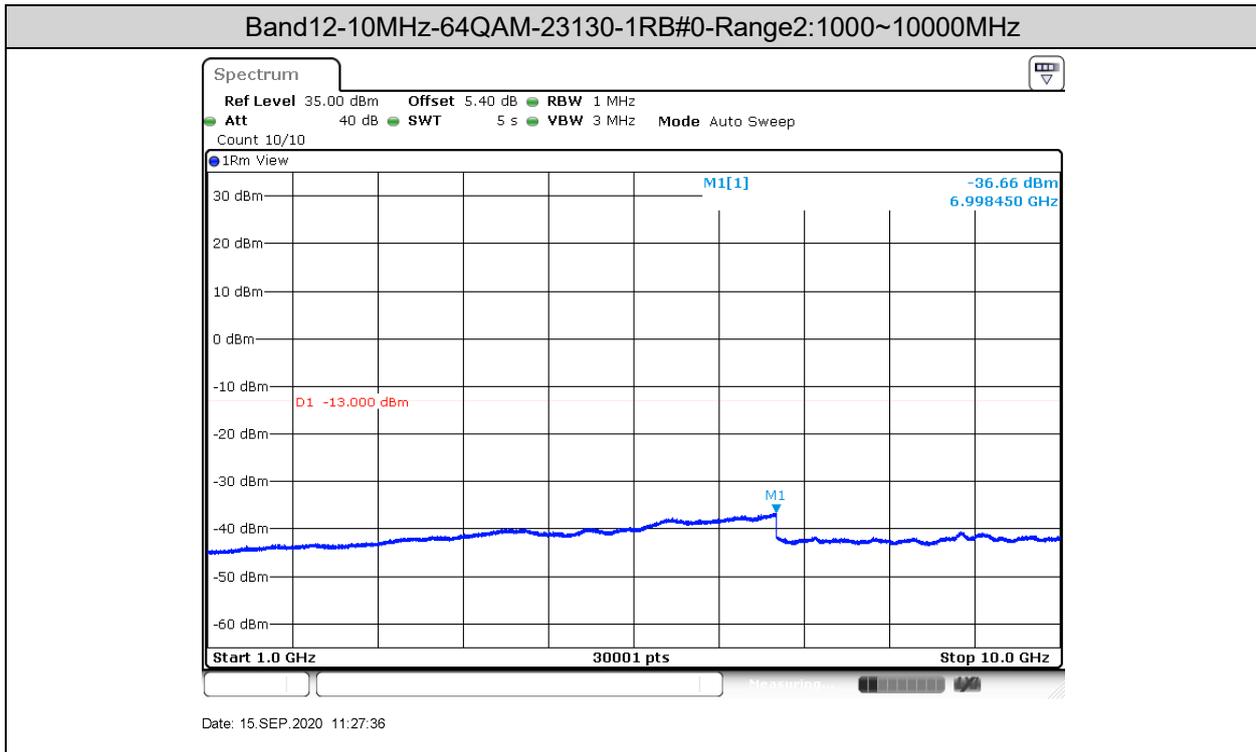
Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



Date: 15.SEP.2020 11:26:28



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



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

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

7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 10MHz (Ant1)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.2184	-72.10	-13.00	59.10	Vertical
107.4099	-64.55	-13.00	51.55	Vertical
310.0045	-68.47	-13.00	55.47	Vertical
1398.8798	-57.73	-13.00	44.73	Vertical
2700.3401	-56.56	-13.00	43.56	Vertical
7407.3763	-55.66	-13.00	42.66	Vertical
40.8645	-63.25	-13.00	50.25	Horizontal
81.1701	-75.48	-13.00	62.48	Horizontal
233.7587	-67.67	-13.00	54.67	Horizontal
1398.8798	-53.70	-13.00	40.70	Horizontal
2699.9400	-55.31	-13.00	42.31	Horizontal
7456.9383	-55.77	-13.00	42.77	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.3639	-71.76	-13.00	58.76	Vertical
109.4955	-65.06	-13.00	52.06	Vertical
309.2285	-68.72	-13.00	55.72	Vertical
1406.0812	-58.37	-13.00	45.37	Vertical
2463.0926	-56.64	-13.00	43.64	Vertical
7457.7783	-55.18	-13.00	42.18	Vertical
43.3382	-64.54	-13.00	51.54	Horizontal
101.2986	-75.23	-13.00	62.23	Horizontal
241.0826	-68.29	-13.00	55.29	Horizontal
1406.0812	-51.90	-13.00	38.90	Horizontal
2508.7017	-54.66	-13.00	41.66	Horizontal
7459.1784	-55.90	-13.00	42.90	Horizontal



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

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

7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.5820	-74.35	-13.00	61.35	Vertical
109.7865	-64.87	-13.00	51.87	Vertical
299.4310	-68.79	-13.00	55.79	Vertical
1412.8826	-58.62	-13.00	45.62	Vertical
2704.7409	-56.59	-13.00	43.59	Vertical
7348.2939	-55.66	-13.00	42.66	Vertical
43.0472	-64.17	-13.00	51.17	Horizontal
82.0916	-75.12	-13.00	62.12	Horizontal
241.1796	-68.52	-13.00	55.52	Horizontal
1413.2827	-53.44	-13.00	40.44	Horizontal
2471.8944	-55.22	-13.00	42.22	Horizontal
7472.8989	-56.01	-13.00	43.01	Horizontal

7.2 Test Mode =LTE/TM1 10MHz (Ant2)

7.2.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.0485	-76.25	-13.00	63.25	Vertical
113.7637	-64.91	-13.00	51.91	Vertical
289.8275	-70.00	-13.00	57.00	Vertical
1406.0812	-56.74	-13.00	43.74	Vertical
2700.3401	-56.58	-13.00	43.58	Vertical
7454.9782	-55.48	-13.00	42.48	Vertical
42.6591	-63.35	-13.00	50.35	Horizontal
100.1345	-75.98	-13.00	62.98	Horizontal
228.5689	-67.63	-13.00	54.63	Horizontal
1406.0812	-52.89	-13.00	39.89	Horizontal
2698.7397	-55.25	-13.00	42.25	Horizontal
7458.6183	-56.06	-13.00	43.06	Horizontal



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

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

7.2.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0671	-75.47	-13.00	62.47	Vertical
111.2901	-64.85	-13.00	51.85	Vertical
317.8619	-68.14	-13.00	55.14	Vertical
1399.2799	-57.88	-13.00	44.88	Vertical
2705.9412	-56.47	-13.00	43.47	Vertical
7487.4595	-55.51	-13.00	42.51	Vertical
44.5992	-62.96	-13.00	49.96	Horizontal
105.0333	-75.24	-13.00	62.24	Horizontal
238.5604	-67.73	-13.00	54.73	Horizontal
1398.8798	-54.25	-13.00	41.25	Horizontal
2478.2957	-55.16	-13.00	42.16	Horizontal
7461.9785	-56.02	-13.00	43.02	Horizontal

7.2.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.1455	-75.96	-13.00	62.96	Vertical
112.9391	-64.74	-13.00	51.74	Vertical
333.0432	-68.73	-13.00	55.73	Vertical
1412.8826	-57.80	-13.00	44.80	Vertical
2698.7397	-56.64	-13.00	43.64	Vertical
7377.4151	-55.67	-13.00	42.67	Vertical
44.9872	-64.12	-13.00	51.12	Horizontal
100.6195	-75.34	-13.00	62.34	Horizontal
236.9598	-67.55	-13.00	54.55	Horizontal
1413.2827	-54.83	-13.00	41.83	Horizontal
2476.6953	-55.33	-13.00	42.33	Horizontal
7439.2976	-55.97	-13.00	42.97	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.



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

8 Frequency Stability

8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-3.80	-0.005398	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	0.60	0.000852	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	1.90	0.002699	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-6.20	-0.008763	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-2.50	-0.003534	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-0.30	-0.000422	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	0.30	0.000422	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	3.00	0.004219	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	0.20	0.000284	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	1.90	0.002699	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	4.20	0.005966	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	0.90	0.001272	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-2.00	-0.002827	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	3.90	0.005485	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	1.60	0.002250	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-2.30	-0.003267	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	0.90	0.001272	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-1.60	-0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	3.50	0.004923	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-0.40	-0.000563	±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.



8.2 Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	1.00	0.001420	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	1.10	0.001563	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	1.70	0.002415	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	2.30	0.003267	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	0.20	0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	1.30	0.001847	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-2.70	-0.003816	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.70	-0.002403	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-1.70	-0.002403	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	0.10	0.000141	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	0.40	0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	0.90	0.001272	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	2.50	0.003516	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	0.80	0.001125	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	1.20	0.001688	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	1.80	0.002532	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-0.80	-0.001125	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	1.20	0.001688	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	0.60	0.000844	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	0.80	0.001125	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	3.40	0.004830	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	1.10	0.001563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-1.10	-0.001563	±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 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



Band12	10MHz	16QAM	23060	50RB#0	NV	30	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	3.30	0.004688	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	0.40	0.000568	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-3.70	-0.005230	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-3.00	-0.004240	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	3.20	0.004523	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	0.80	0.001131	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	0.60	0.000848	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-1.20	-0.001696	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	1.50	0.002110	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	2.20	0.003094	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	1.50	0.002110	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-1.90	-0.002672	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	2.00	0.002813	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	2.20	0.003094	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	1.80	0.002532	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-1.20	-0.001688	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	-2.90	-0.004119	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	2.80	0.003977	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	1.30	0.001847	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-3.40	-0.004830	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	0.40	0.000568	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	0.80	0.001136	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-1.30	-0.001847	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	-1.40	-0.001989	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	3.20	0.004545	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	0.40	0.000565	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	1.70	0.002403	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	0.70	0.000989	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	1.50	0.002120	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-2.10	-0.002968	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-2.10	-0.002968	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-1.80	-0.002544	±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



Band12	10MHz	64QAM	23095	50RB#0	NV	40	1.10	0.001555	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	1.70	0.002391	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	1.50	0.002110	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	0.30	0.000422	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	3.20	0.004501	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	1.10	0.001547	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	1.40	0.001969	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	1.60	0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	2.30	0.003235	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	1.20	0.001688	±2.5	PASS

The End



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