



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

Attention: 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)	11
2.1.	TEST RESULT	11
2.2.	TEST PLOTS.....	11
3.	MODULATION CHARACTERISTICS	16
3.1.	TEST MODE = LTE /TM1 10MHZ.....	16
3.1.1.	TEST CHANNEL = MCH.....	16
3.2.	TEST MODE = LTE /TM2 10MHZ.....	17
3.2.1.	TEST CHANNEL = MCH.....	17
3.3.	TEST MODE = LTE /TM3 10MHZ.....	18
3.3.1.	TEST CHANNEL = MCH.....	18
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	19
4.1.	TEST RESULT	19
4.2.	TEST PLOTS.....	21
5.	BAND EDGE COMPLIANCE	39
5.1.	TEST PLOTS.....	39
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	64
6.1.	TEST PLOTS.....	64
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	74
7.1.	Test Band = LTE_12_TM1	74
7.1.1.	Test Channel = Low Channel	74
7.2.	Test Band = LTE_12_TM1	75
7.2.1.	Test Channel = Low Channel	75
7.3.	Test Band = LTE_12_TM1	76
7.3.1.	Test Channel = Mid Channel	76
7.4.	Test Band = LTE_12_TM1	77
7.4.1.	Test Channel = Mid Channel	77
7.5.	Test Band = LTE_12_TM1	78
7.5.1.	Test Channel = High Channel	78



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

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

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

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



7.6.	Test Band = LTE_12_TM1	79
7.6.1.	Test Channel = High Channel	79
8.	FREQUENCY STABILITY	80
8.1.	FREQUENCY VS VOLTAGE	80
8.2.	FREQUENCY VS TEMPERATURE	81



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.39	16.69	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.39	16.69	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.31	16.61	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.41	16.71	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.34	16.64	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.25	16.55	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.44	15.74	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.17	16.47	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.30	16.60	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.26	16.56	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.27	16.57	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.25	16.55	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.28	16.58	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.30	15.60	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.06	16.36	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.19	16.49	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.19	16.49	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.22	16.52	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.20	16.50	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.22	16.52	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.17	15.47	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.64	15.94	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.83	16.13	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.26	15.56	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.36	15.66	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.46	15.76	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.30	15.60	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.53	14.83	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.83	16.13	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.68	15.98	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.57	15.87	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.25	15.55	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-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	23095	3RB#1	22.28	15.58	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.18	15.48	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.35	14.65	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.60	15.90	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.35	15.65	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.20	15.50	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.22	15.52	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.25	15.55	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.18	15.48	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.22	14.52	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.57	14.87	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.77	15.07	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.18	14.48	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.31	14.61	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.37	14.67	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.21	14.51	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.47	13.77	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.77	15.07	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.59	14.89	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.48	14.78	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.16	14.46	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.23	14.53	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.08	14.38	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.28	13.58	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.52	14.82	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.29	14.59	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.14	14.44	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.16	14.46	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.17	14.47	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.10	14.40	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.15	13.45	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.44	16.74	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.37	16.67	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.35	16.65	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.48	15.78	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.61	15.91	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.45	15.75	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.52	15.82	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 (SGS-CSTC) Laboratory

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



Band12	3MHz	QPSK	23095	1RB#0	23.20	16.50	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.30	16.60	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.43	16.73	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.42	15.72	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.30	15.60	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.40	15.70	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.39	15.69	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.32	16.62	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.20	16.50	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.14	16.44	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.31	15.61	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.34	15.64	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.26	15.56	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.36	15.66	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.36	15.66	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.84	16.14	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.59	15.89	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.61	14.91	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.58	14.88	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.44	14.74	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.51	14.81	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.40	15.70	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.57	15.87	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.63	15.93	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.39	14.69	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.42	14.72	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.36	14.66	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.46	14.76	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.53	15.83	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.39	15.69	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.60	15.90	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.39	14.69	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.42	14.72	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.40	14.70	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.30	14.60	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.31	14.61	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.75	15.05	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.49	14.79	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

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

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



Band12	3MHz	64QAM	23025	8RB#0	20.53	13.83	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.50	13.80	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.38	13.68	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.45	13.75	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.32	14.62	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.52	14.82	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.53	14.83	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.33	13.63	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.35	13.65	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.29	13.59	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.37	13.67	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.48	14.78	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.31	14.61	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.54	14.84	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.34	13.64	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.34	13.64	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.32	13.62	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.24	13.54	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.44	16.74	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.46	16.76	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.36	16.66	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.59	15.89	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.51	15.81	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.47	15.77	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.58	15.88	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.24	16.54	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.44	16.74	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.43	16.73	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.43	15.73	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.44	15.74	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.42	15.72	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.40	15.70	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.40	16.70	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.30	16.60	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.26	16.56	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.32	15.62	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.46	15.76	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.34	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.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	25RB#0	22.35	15.65	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.56	15.86	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.59	15.89	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.62	15.92	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.60	14.90	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.52	14.82	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.42	14.72	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.45	14.75	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.75	16.05	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.00	16.30	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.75	16.05	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.39	14.69	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.45	14.75	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.56	14.86	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.32	14.62	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.24	15.54	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.92	16.22	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.78	16.08	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.44	14.74	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.46	14.76	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.39	14.69	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.35	14.65	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.31	14.61	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.77	15.07	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.51	14.81	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.56	13.86	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.48	13.78	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.34	13.64	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.44	13.74	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.33	14.63	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.50	14.80	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.56	14.86	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.29	13.59	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.37	13.67	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.31	13.61	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.39	13.69	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.47	14.77	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.31	14.61	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#24	21.51	14.81	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.29	13.59	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.34	13.64	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.30	13.60	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.20	13.50	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.34	16.64	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.33	16.63	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.66	16.96	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.41	15.71	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.50	15.80	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.53	15.83	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.37	15.67	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.35	16.65	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.29	16.59	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.23	16.53	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.35	15.65	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.46	15.76	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.43	15.73	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.42	15.72	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.30	16.60	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.11	16.41	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.27	16.57	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.40	15.70	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.38	15.68	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.47	15.77	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.49	15.79	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.99	16.29	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.59	15.89	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.71	16.01	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.38	14.68	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.53	14.83	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.45	14.75	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.39	14.69	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.97	16.27	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.90	16.20	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.51	15.81	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.48	14.78	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.32	14.62	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, CSTC Laboratory

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



Band12	10MHz	16QAM	23095	25RB#25	21.32	14.62	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.29	14.59	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.71	16.01	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.54	15.84	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.41	15.71	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.48	14.78	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.41	14.71	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.54	14.84	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.39	14.69	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.26	14.56	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.74	15.04	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.53	14.83	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.52	13.82	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.51	13.81	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.36	13.66	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.43	13.73	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.34	14.64	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.47	14.77	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.56	14.86	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.33	13.63	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.36	13.66	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.30	13.60	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.38	13.68	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.47	14.77	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.32	14.62	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.51	14.81	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.30	13.60	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.35	13.65	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.31	13.61	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.20	13.50	34.77	PASS

Remark:

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

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

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



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

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

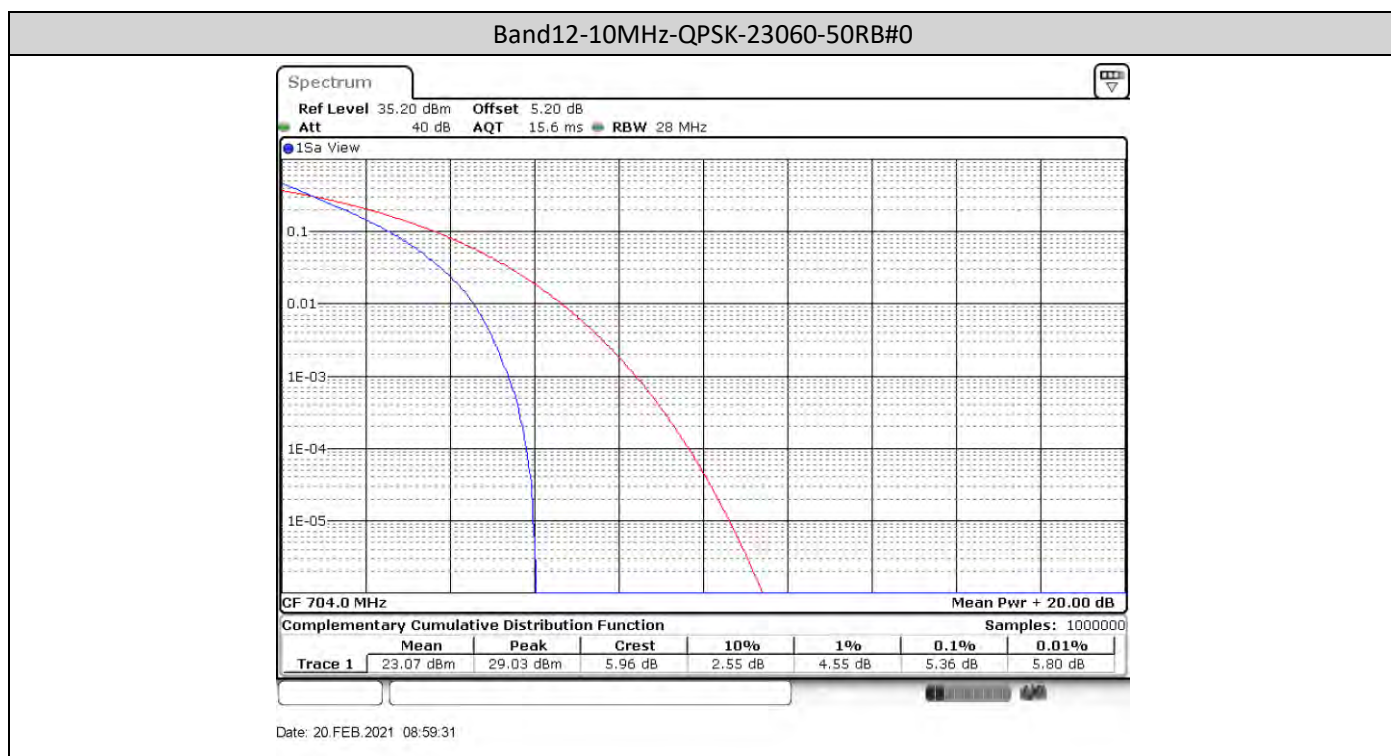


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.36	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.42	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.33	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.87	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.90	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.84	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.17	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.20	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.17	13	PASS

2.2. Test Plots





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



Date: 20.FEB.2021 08:59:53

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



Date: 20.FEB.2021 09:00:15

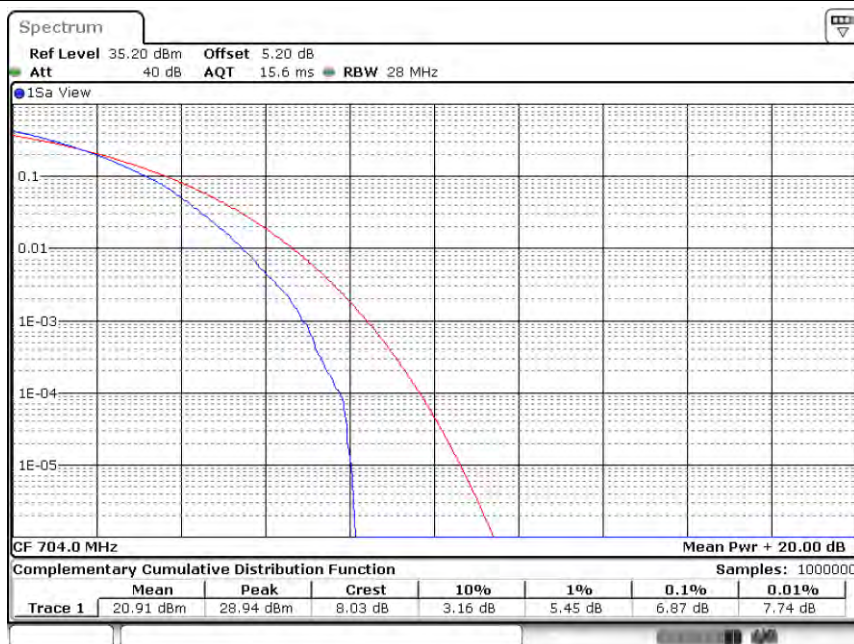


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

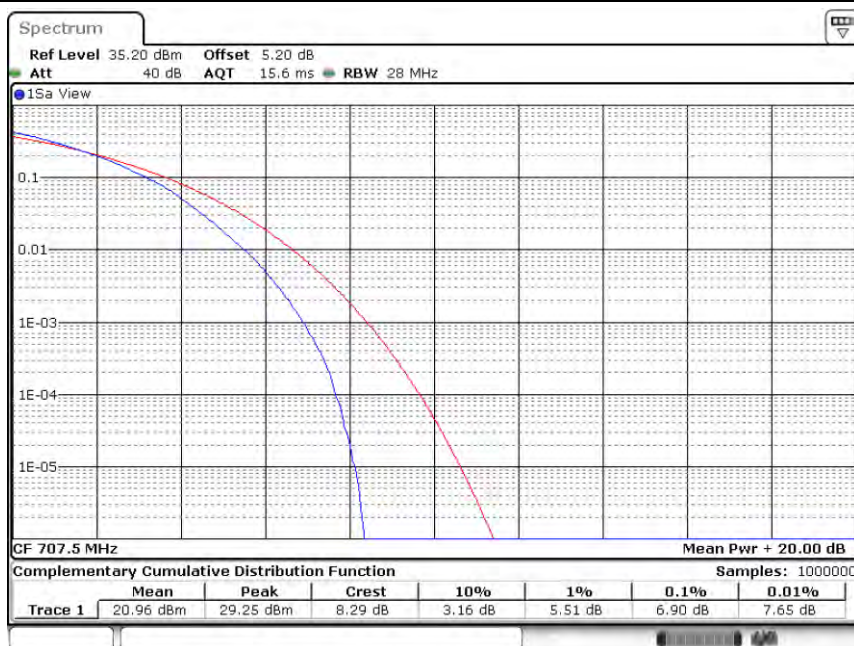


Band12-10MHz-64QAM-23060-50RB#0



Date: 20.FEB.2021 09:37:52

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



Date: 20.FEB.2021 09:38:03



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

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

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

Member of the SGS Group (SGS SA)

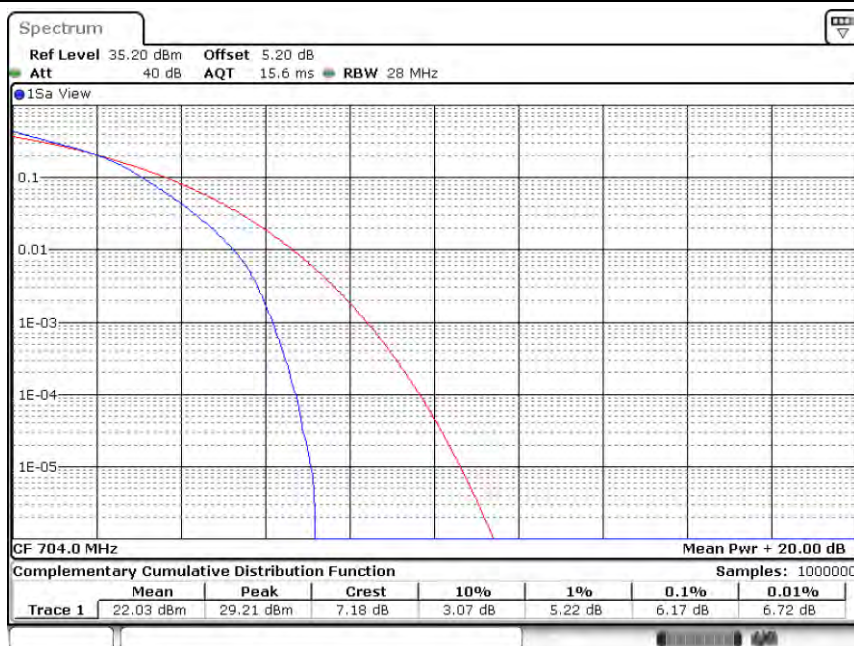


Band12-10MHz-64QAM-23130-50RB#0



Date: 20.FEB.2021 09:38:14

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



Date: 20.FEB.2021 08:59:42



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

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



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



Date: 20.FEB.2021 09:00:04

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



Date: 20.FEB.2021 09:00:26



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.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

邮编: 518057

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594

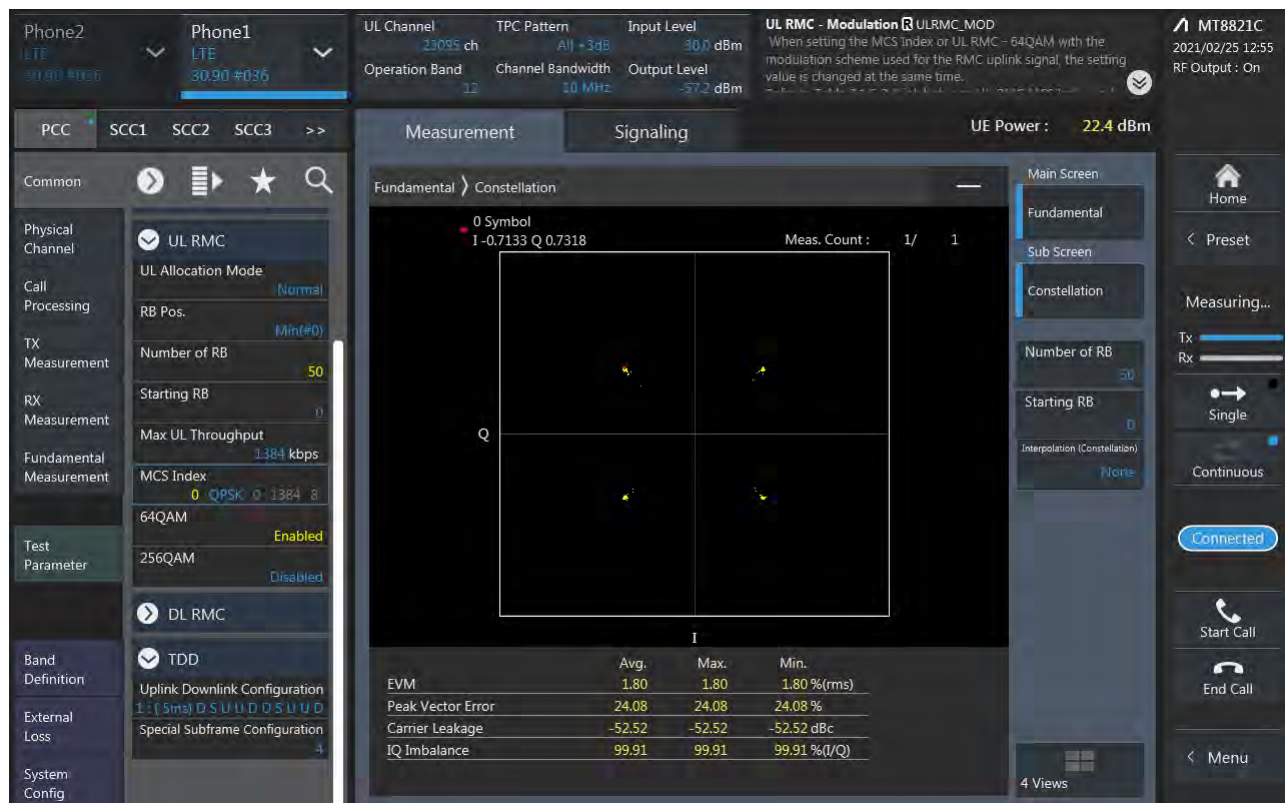
www.sgsgroup.com.cn
sgs.china@sgs.com



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

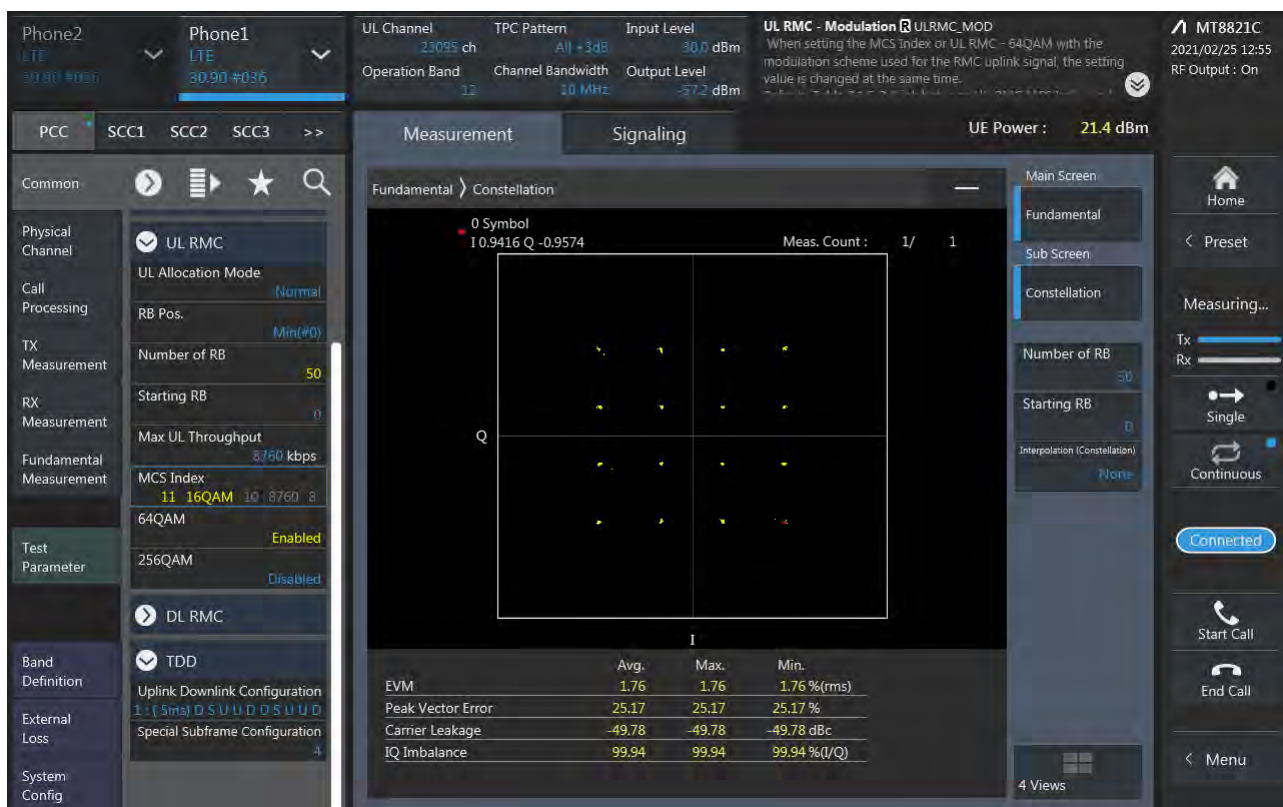
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

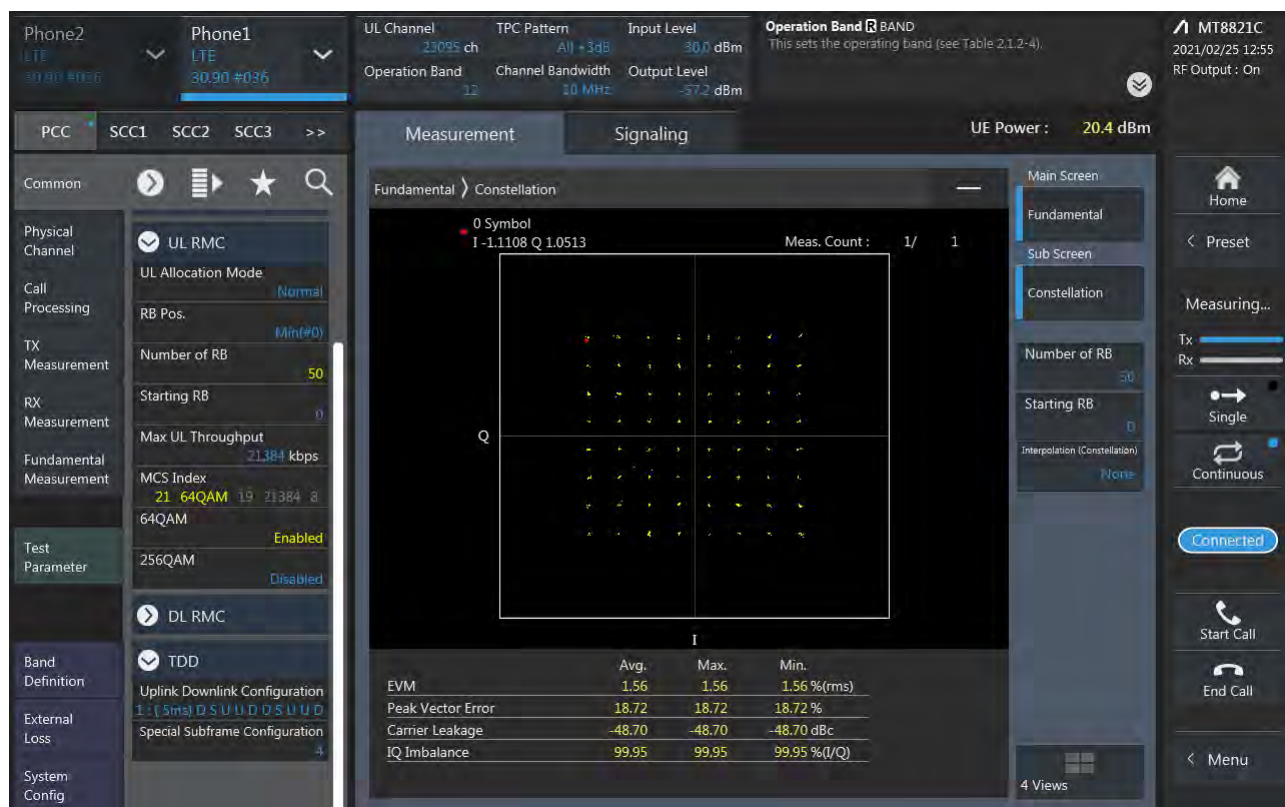
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.088	1.233	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.242	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.245	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.091	1.239	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.094	1.233	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.091	1.239	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.239	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.085	1.239	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.239	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.697	3.018	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.703	2.994	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.691	3.012	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.691	2.994	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.691	2.982	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.691	2.994	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.685	2.982	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.685	2.982	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.685	2.982	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	4.890	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.910	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.900	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.890	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	4.900	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	4.890	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.486	4.910	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.496	4.910	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.496	4.910	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.660	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.931	9.660	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.931	9.660	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.600	PASS



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

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



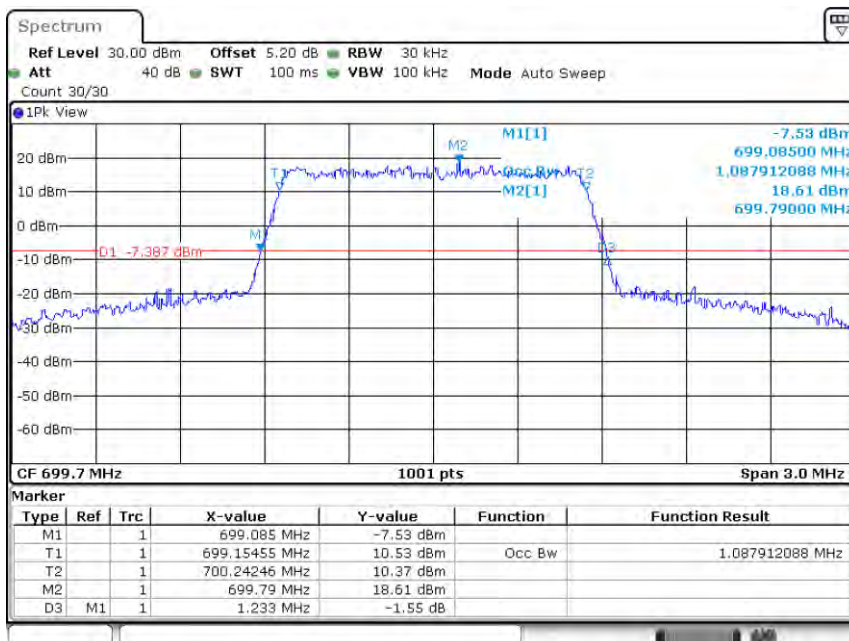
Band12	10MHz	64QAM	23095	50RB#0	8.911	9.660	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.911	9.640	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.911	9.680	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.931	9.680	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.931	9.660	PASS





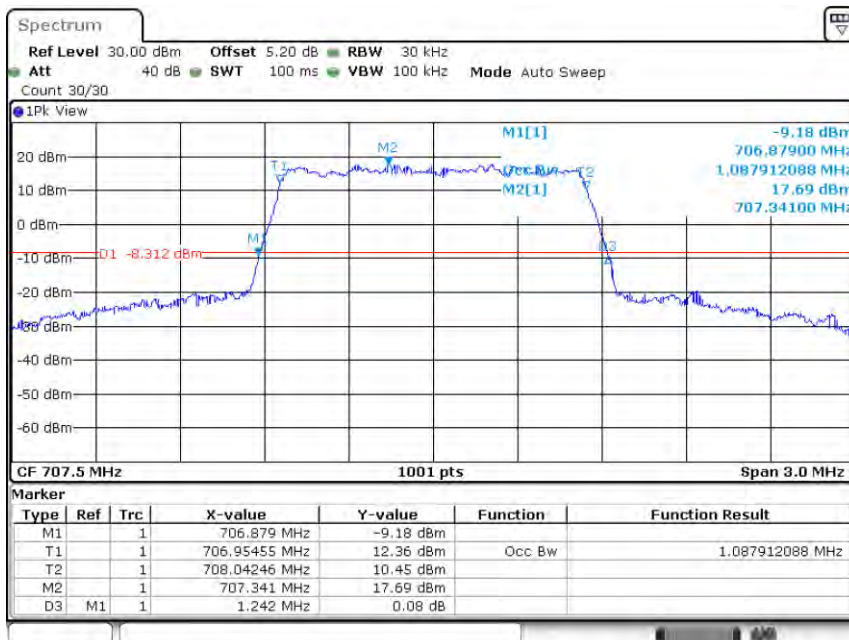
4.2. Test Plots

Band12-1.4MHz-QPSK-23017-6RB#0-1.088



Date: 20.FEB.2021 08:33:03

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



Date: 20.FEB.2021 08:33:29

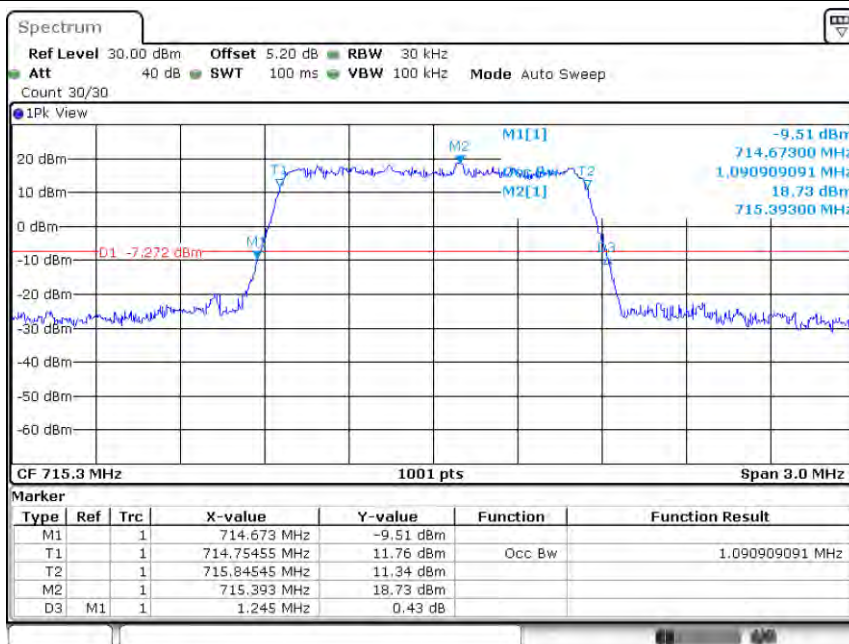


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

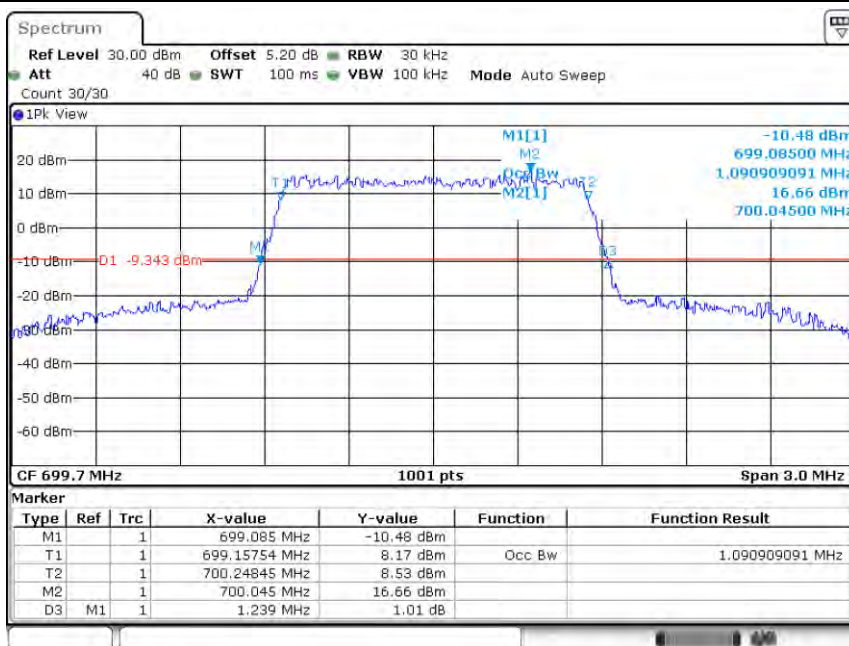


Band12-1.4MHz-QPSK-23173-6RB#0-1.091



Date: 20.FEB.2021 08:33:54

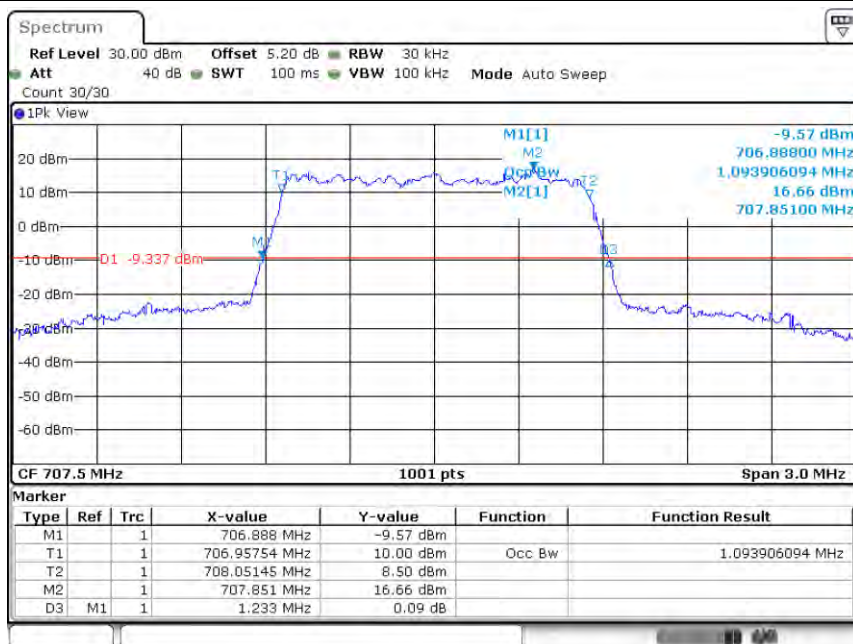
Band12-1.4MHz-64QAM-23017-6RB#0-1.091



Date: 20.FEB.2021 09:23:56

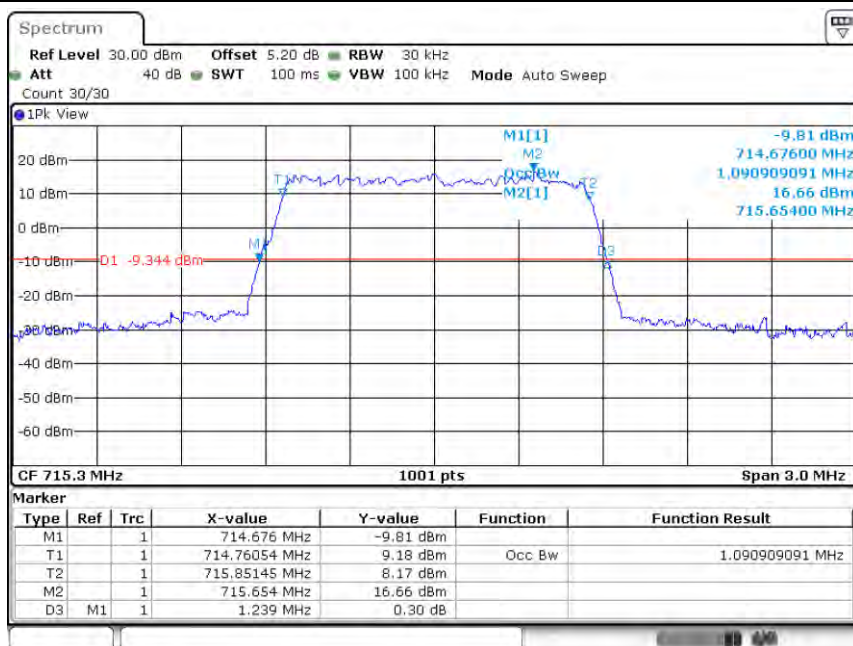


Band12-1.4MHz-64QAM-23095-6RB#0-1.094



Date: 20.FEB.2021 09:24:11

Band12-1.4MHz-64QAM-23173-6RB#0-1.091

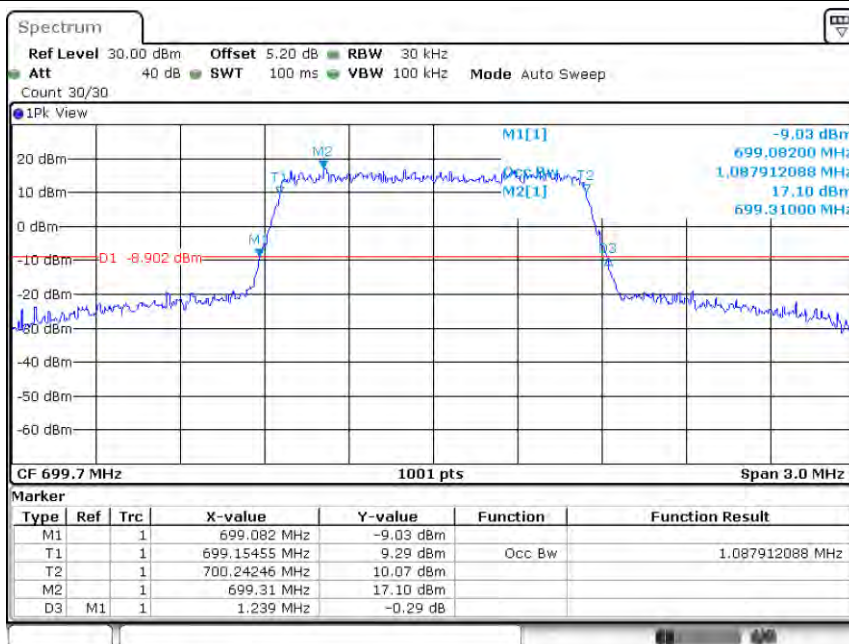


Date: 20.FEB.2021 09:24:26



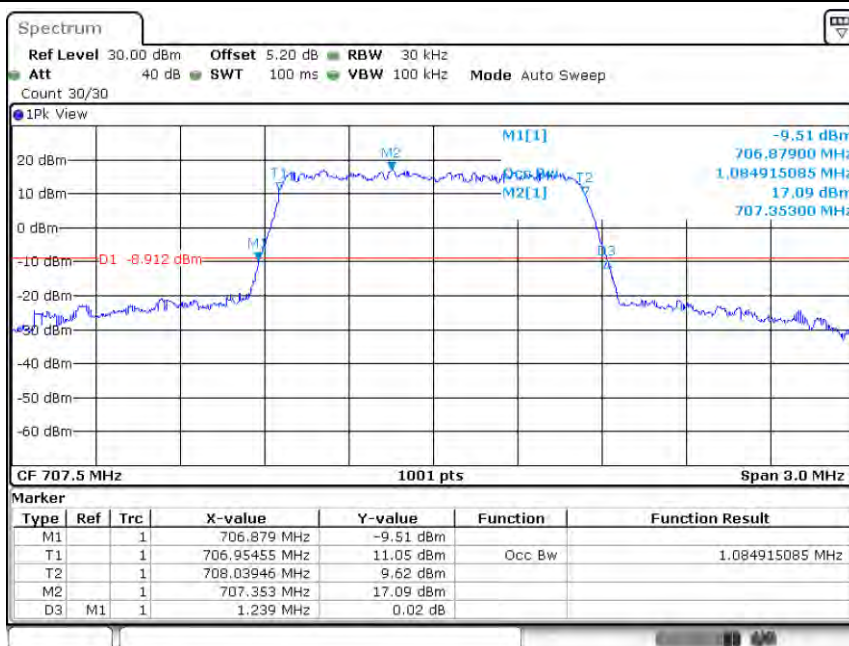


Band12-1.4MHz-16QAM-23017-6RB#0-1.088



Date: 20.FEB.2021 08:33:16

Band12-1.4MHz-16QAM-23095-6RB#0-1.085

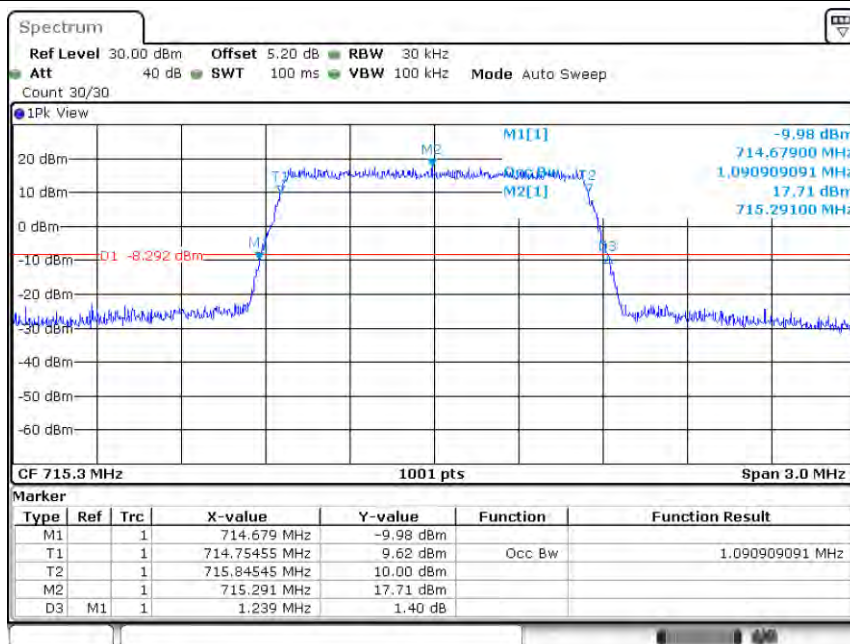


Date: 20.FEB.2021 08:33:41



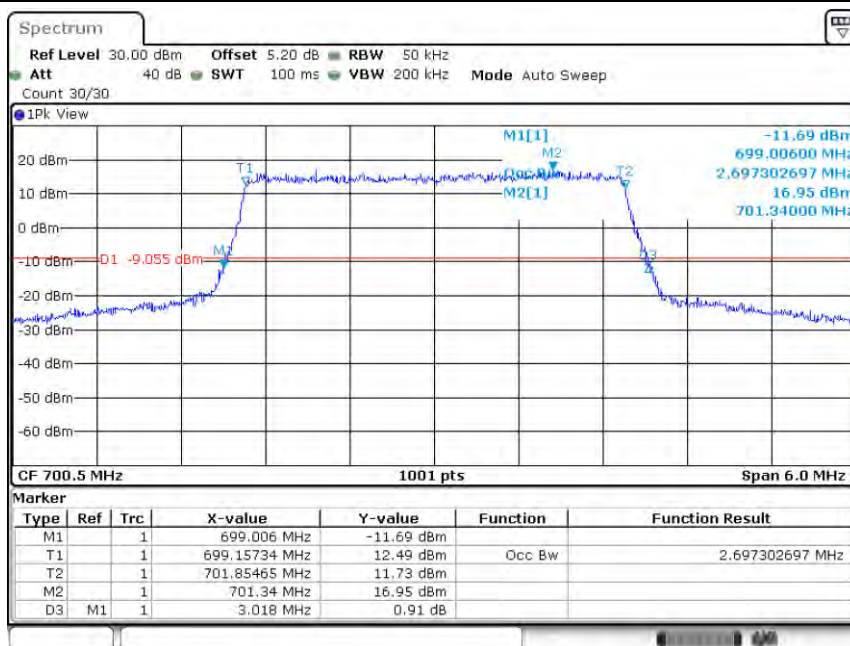


Band12-1.4MHz-16QAM-23173-6RB#0-1.091



Date: 20.FEB.2021 08:34:07

Band12-3MHz-QPSK-23025-15RB#0-2.697



Date: 20.FEB.2021 08:34:25

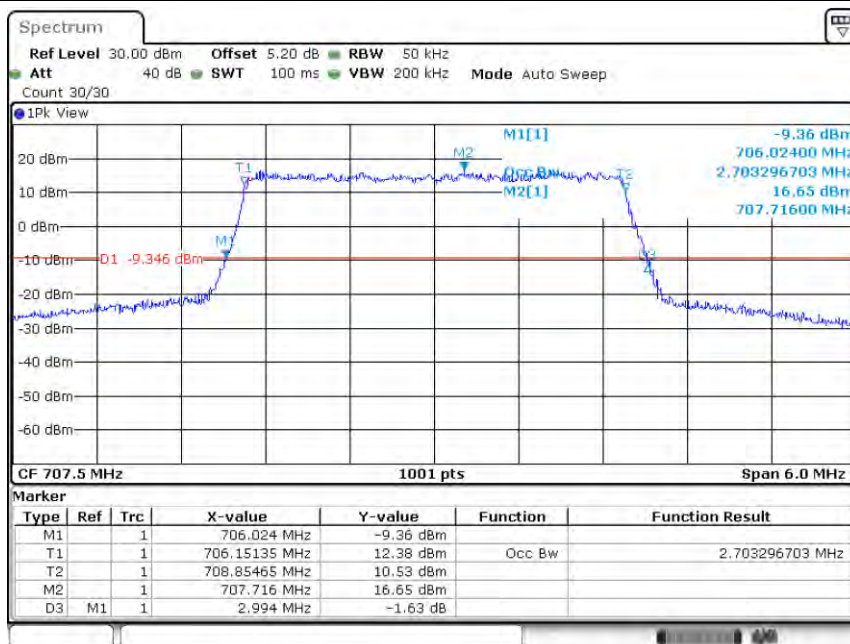


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

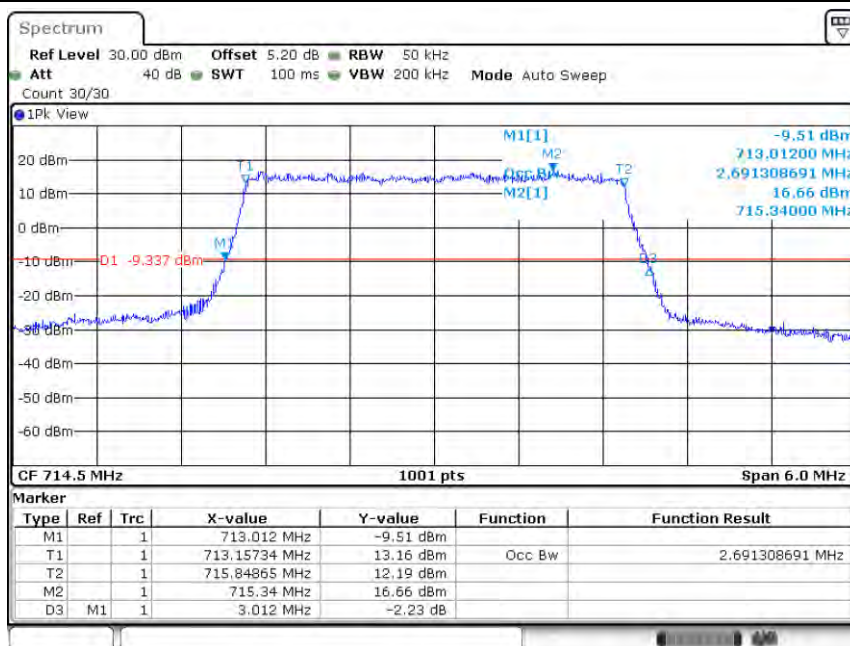


Band12-3MHz-QPSK-23095-15RB#0-2.703



Date: 20.FEB.2021 08:34:50

Band12-3MHz-QPSK-23165-15RB#0-2.691



Date: 20.FEB.2021 08:35:16



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

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

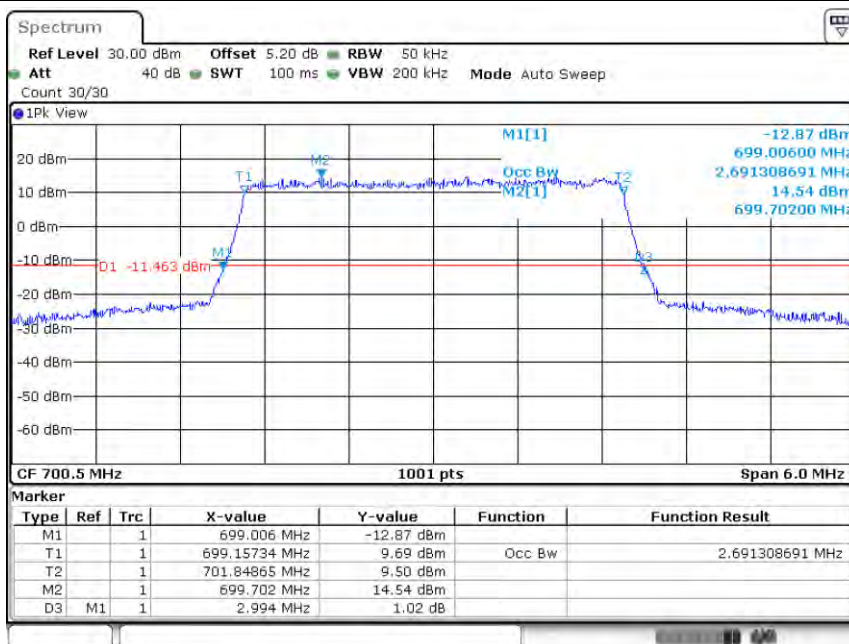
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594
www.sgsgroup.com.cn
sgs.china@sgs.com

Member of the SGS Group (SGS SA)

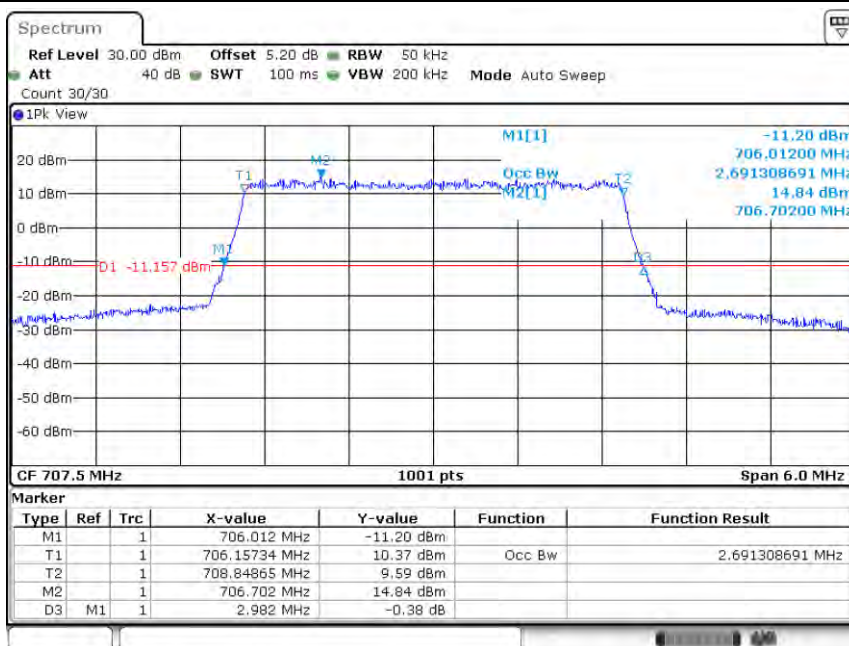


Band12-3MHz-64QAM-23025-15RB#0-2.691



Date: 20.FEB.2021 09:24:44

Band12-3MHz-64QAM-23095-15RB#0-2.691



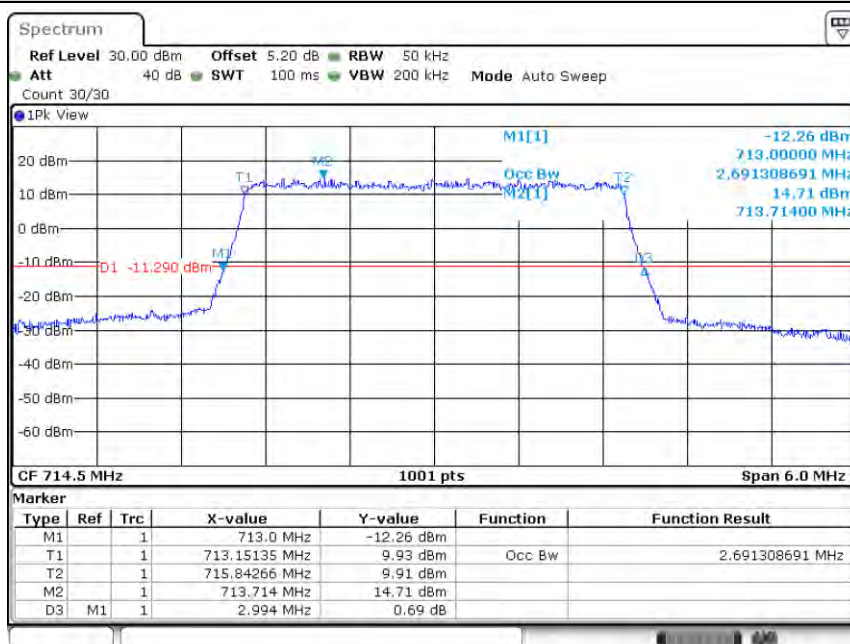
Date: 20.FEB.2021 09:24:57



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

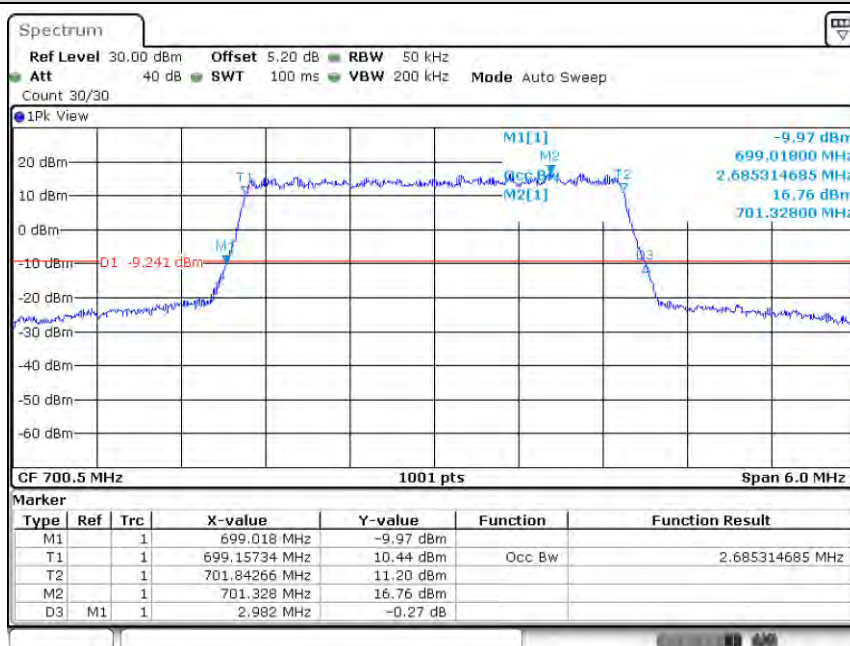
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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-23165-15RB#0-2.691



Date: 20.FEB.2021 09:25:10

Band12-3MHz-16QAM-23025-15RB#0-2.685

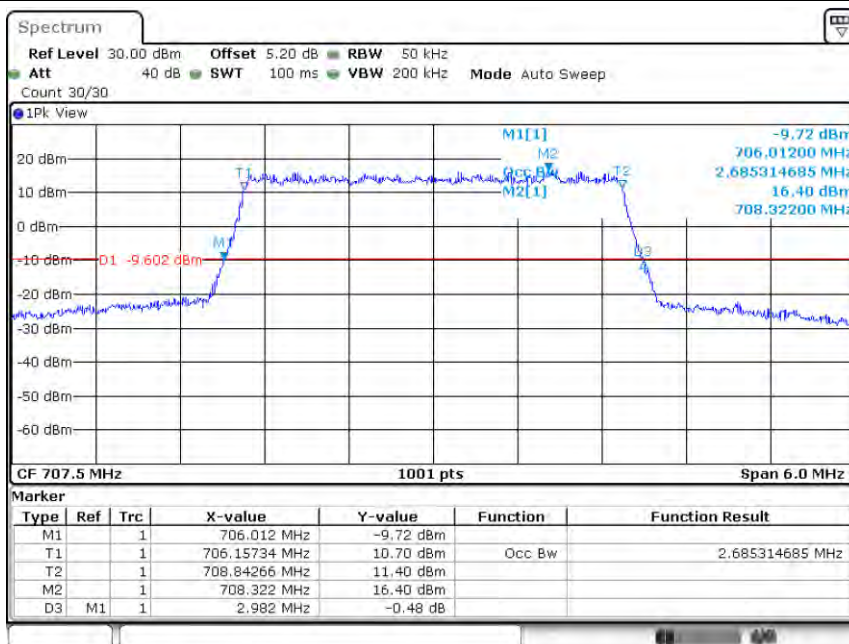


Date: 20.FEB.2021 08:34:37



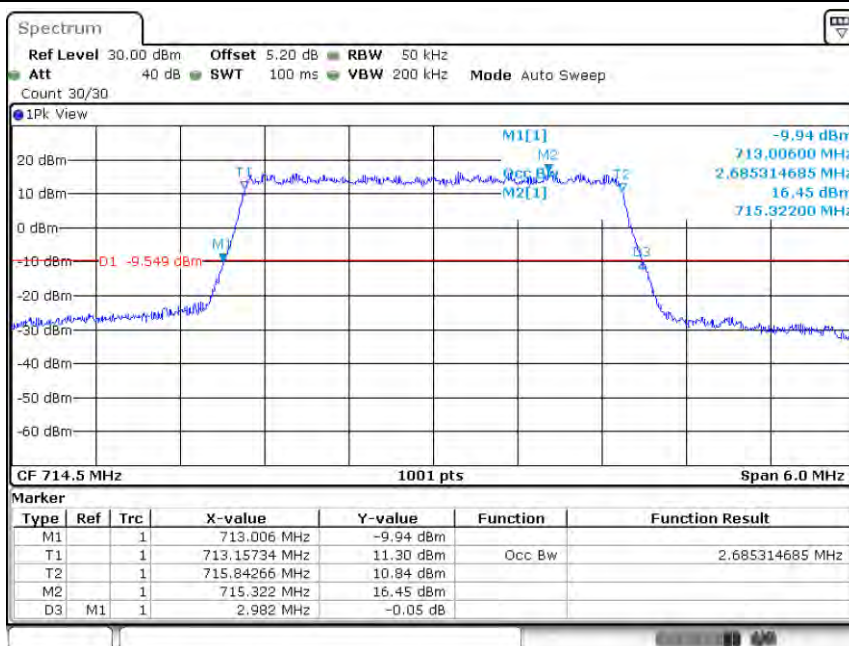


Band12-3MHz-16QAM-23095-15RB#0-2.685



Date: 20.FEB.2021 08:35:03

Band12-3MHz-16QAM-23165-15RB#0-2.685



Date: 20.FEB.2021 08:35:28

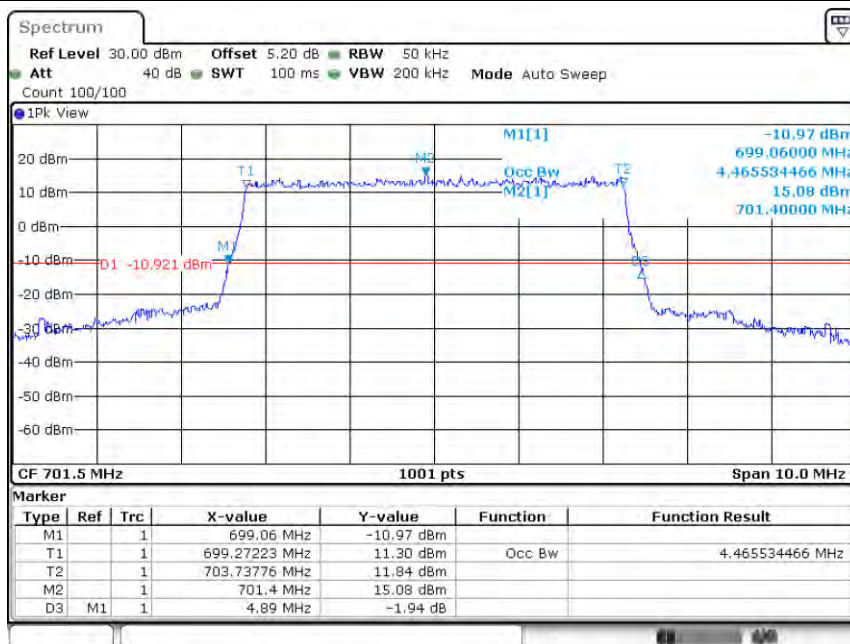


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

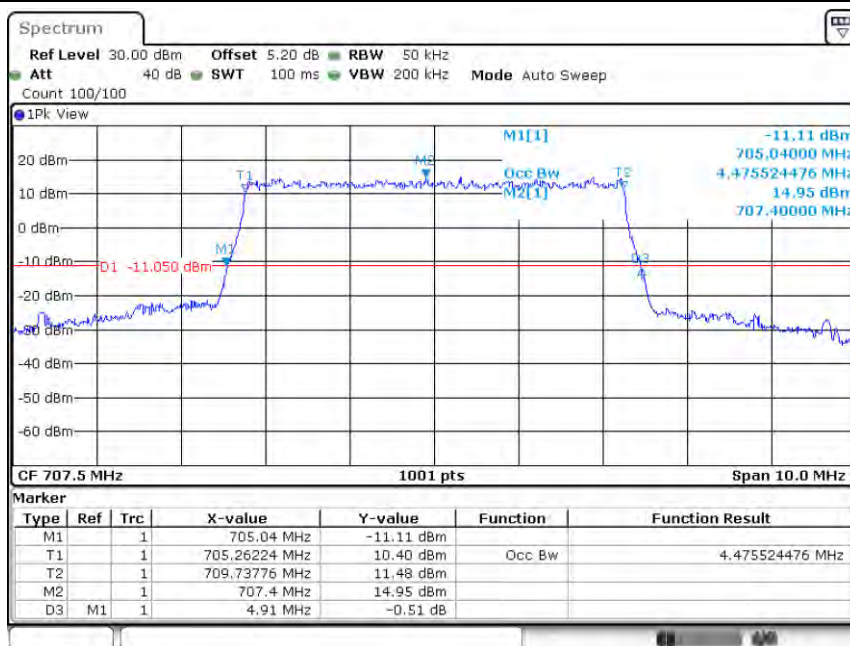


Band12-5MHz-QPSK-23035-25RB#0-4.466



Date: 20.FEB.2021 08:35:53

Band12-5MHz-QPSK-23095-25RB#0-4.476



Date: 20.FEB.2021 08:36:32

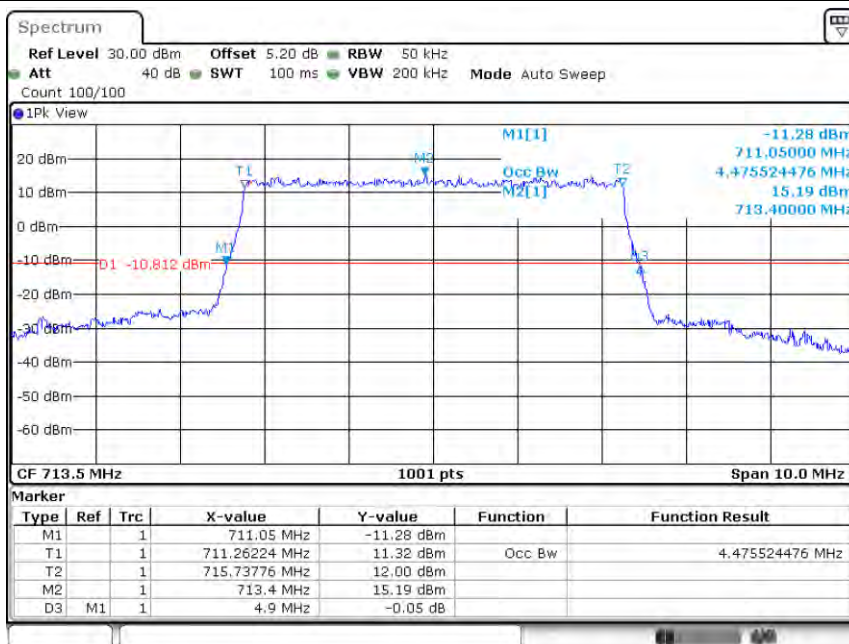


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

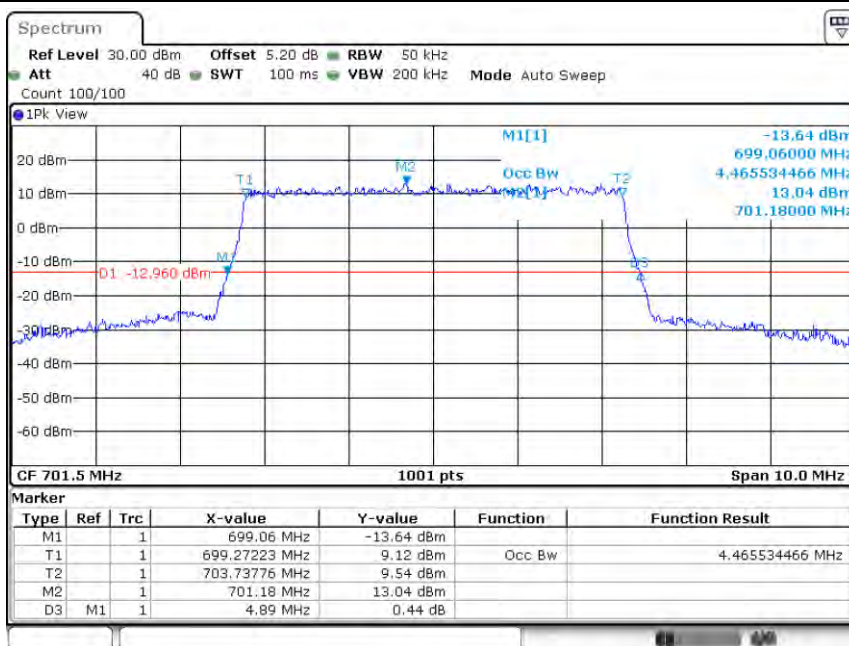


Band12-5MHz-QPSK-23155-25RB#0-4.476



Date: 20.FEB.2021 08:37:12

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



Date: 20.FEB.2021 09:25:34

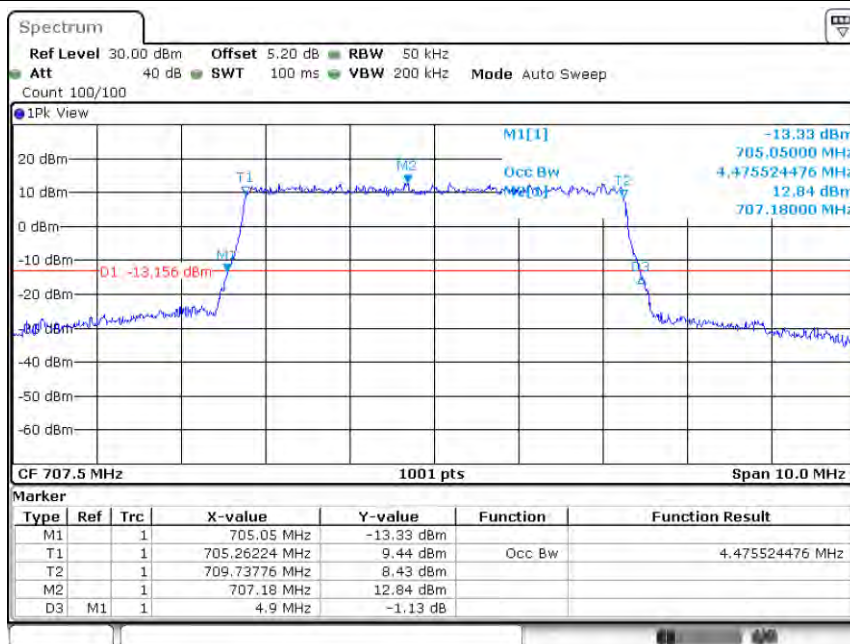


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

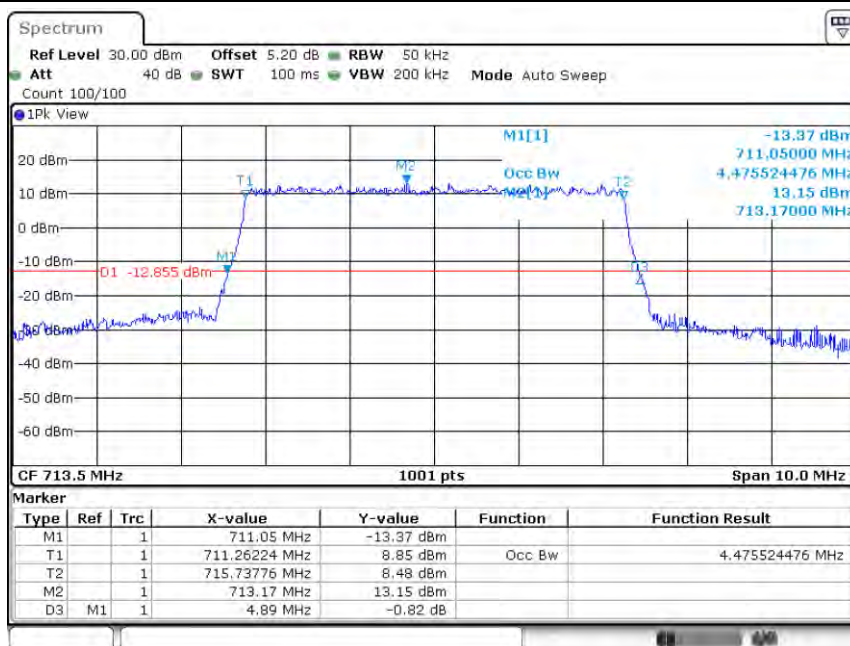


Band12-5MHz-64QAM-23095-25RB#0-4.476



Date: 20.FEB.2021 09:25:54

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



Date: 20.FEB.2021 09:26:14

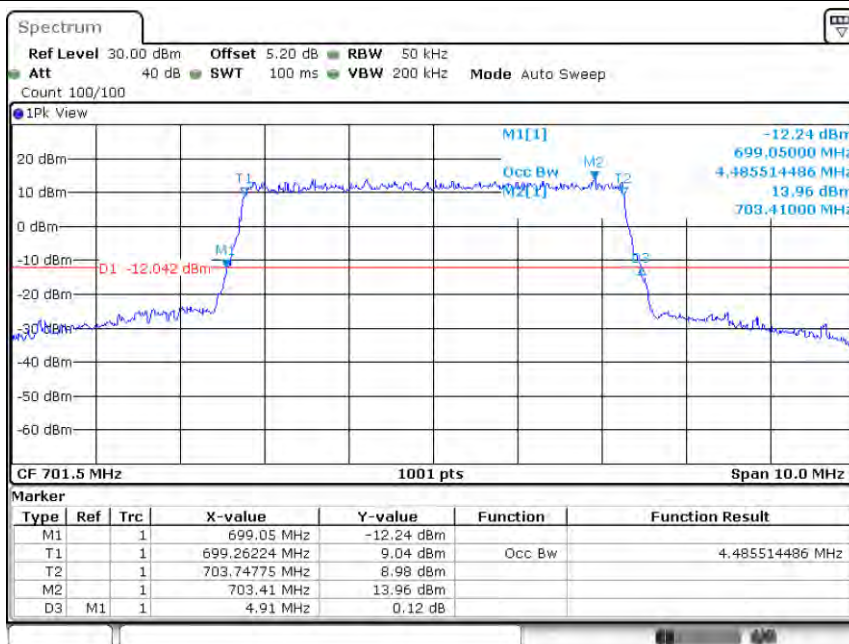


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

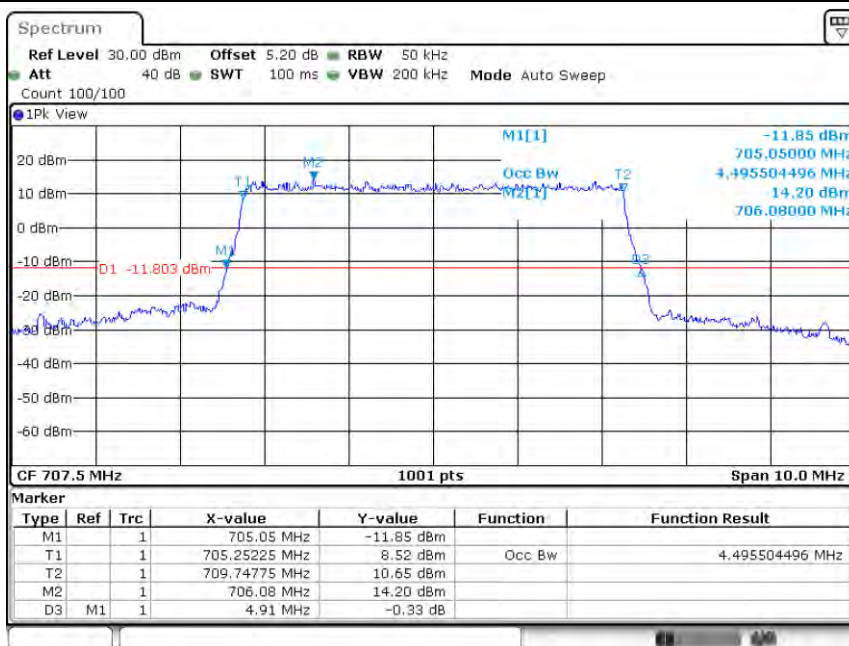


Band12-5MHz-16QAM-23035-25RB#0-4.486



Date: 20.FEB.2021 08:36:12

Band12-5MHz-16QAM-23095-25RB#0-4.496



Date: 20.FEB.2021 08:36:52

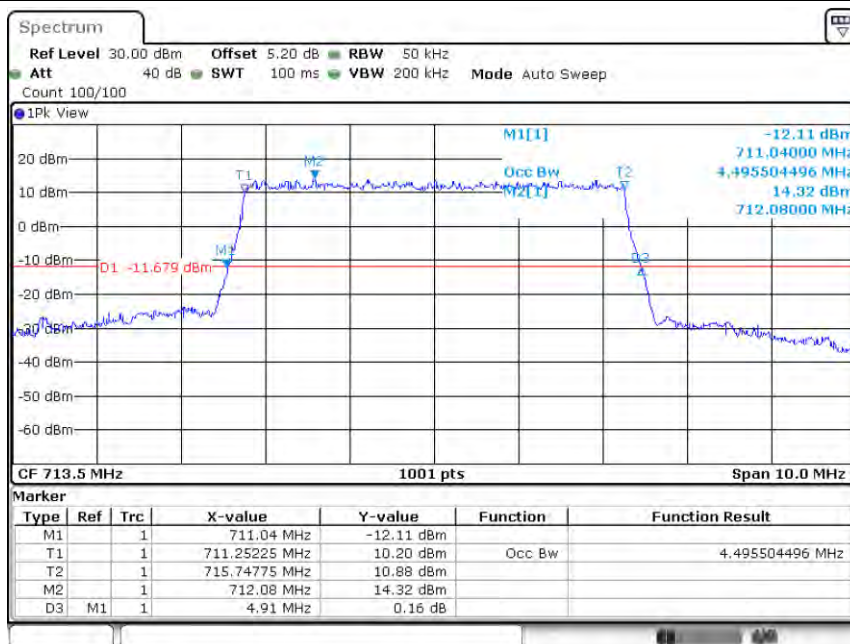


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

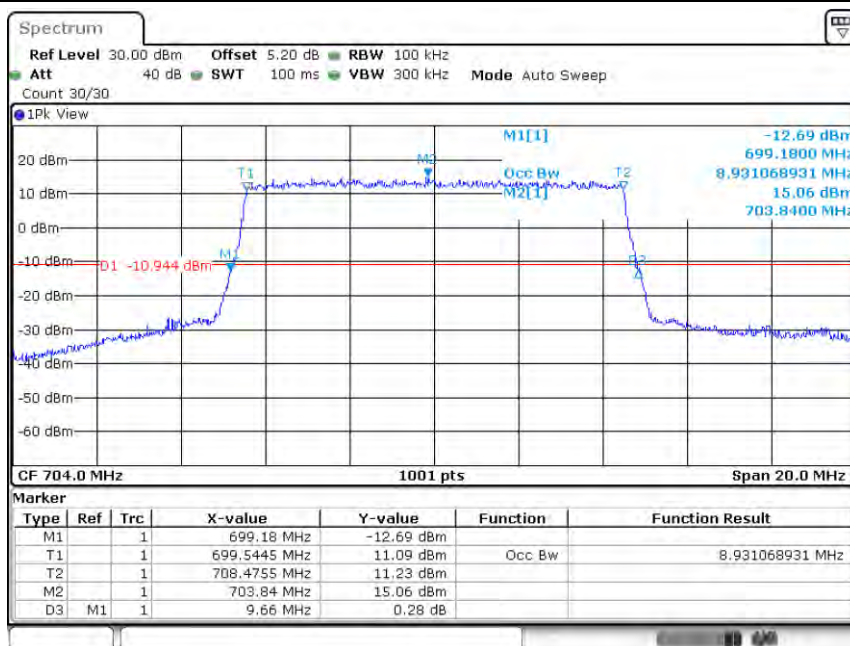


Band12-5MHz-16QAM-23155-25RB#0-4.496



Date: 20.FEB.2021 08:37:31

Band12-10MHz-QPSK-23060-50RB#0-8.931



Date: 20.FEB.2021 08:37:49

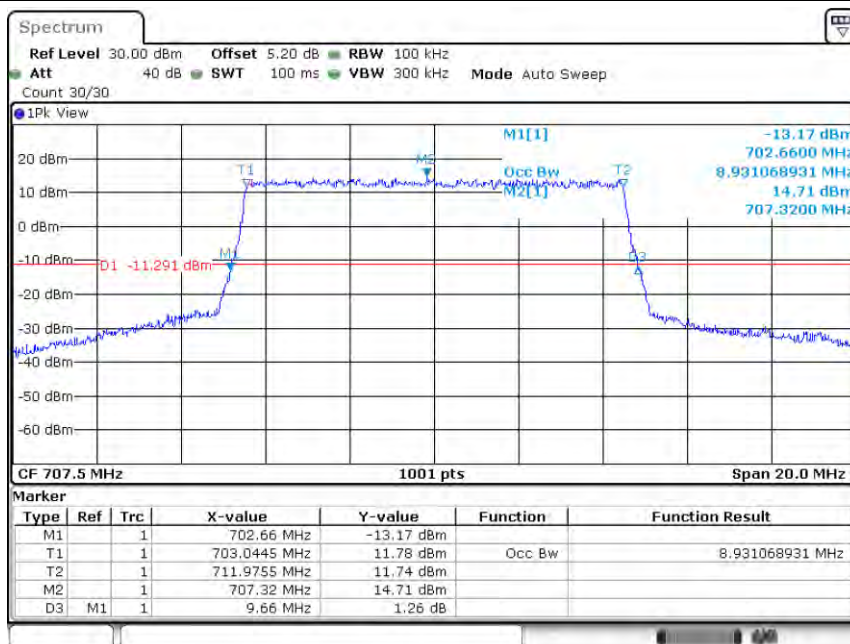


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

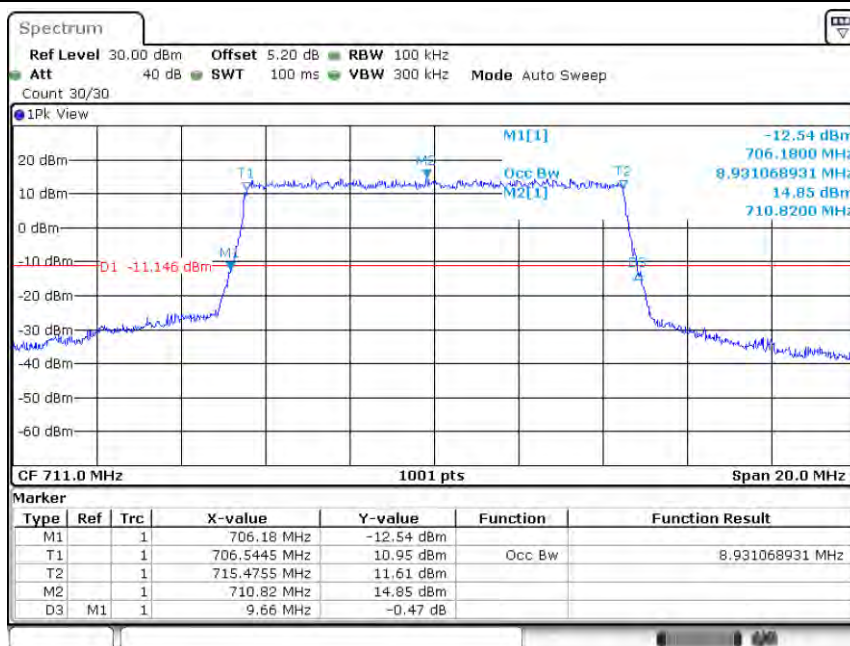


Band12-10MHz-QPSK-23095-50RB#0-8.931



Date: 20.FEB.2021 08:38:14

Band12-10MHz-QPSK-23130-50RB#0-8.931

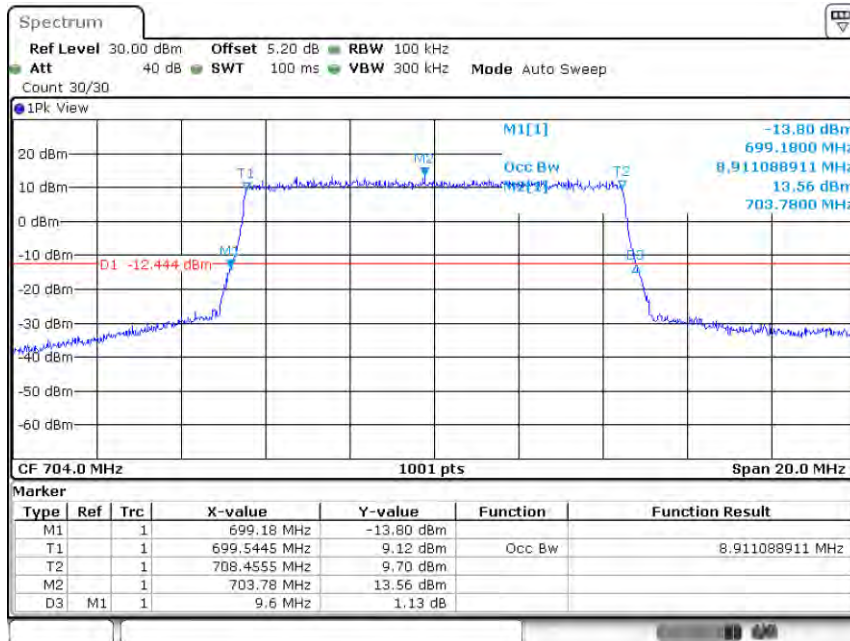


Date: 20.FEB.2021 08:38:40



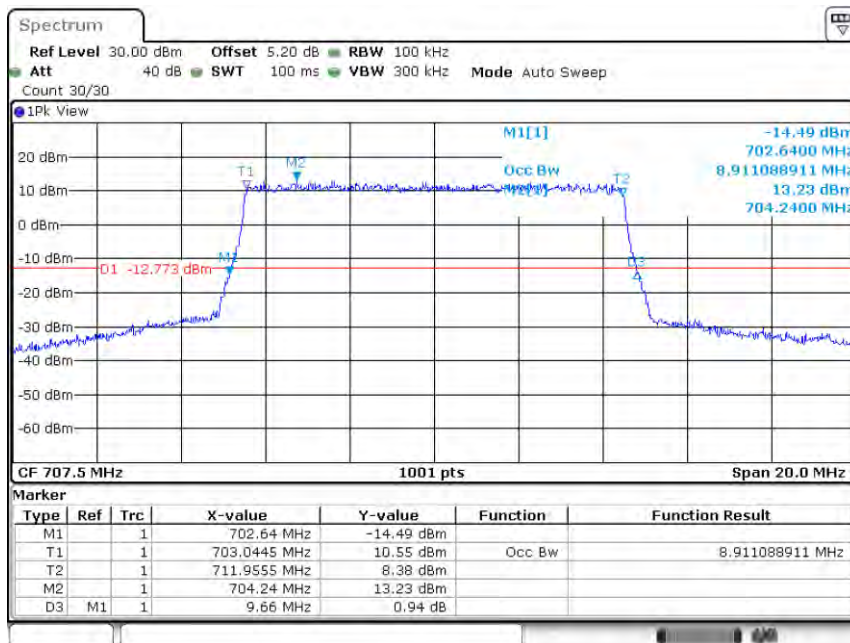


Band12-10MHz-64QAM-23060-50RB#0-8.911



Date: 20.FEB.2021 09:26:34

Band12-10MHz-64QAM-23095-50RB#0-8.911



Date: 20.FEB.2021 09:26:47

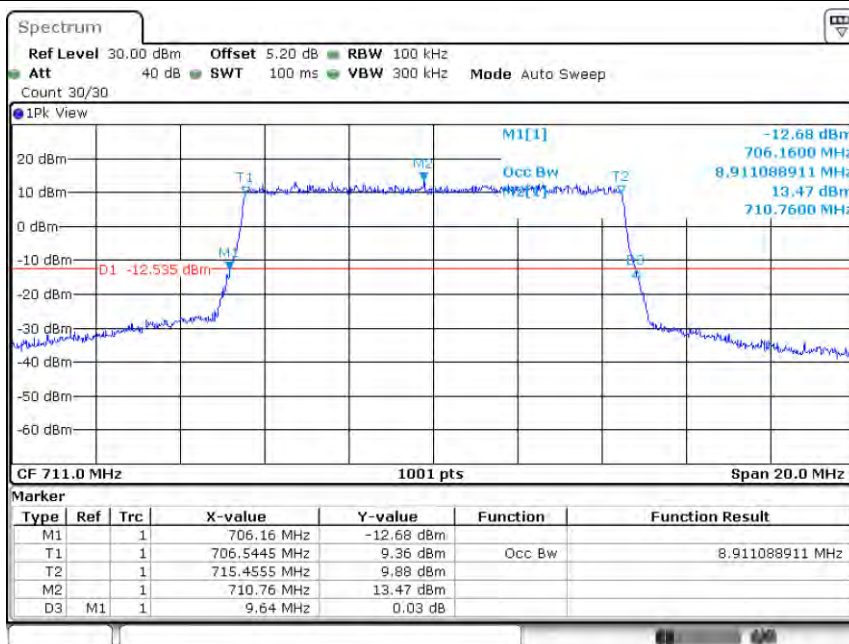


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

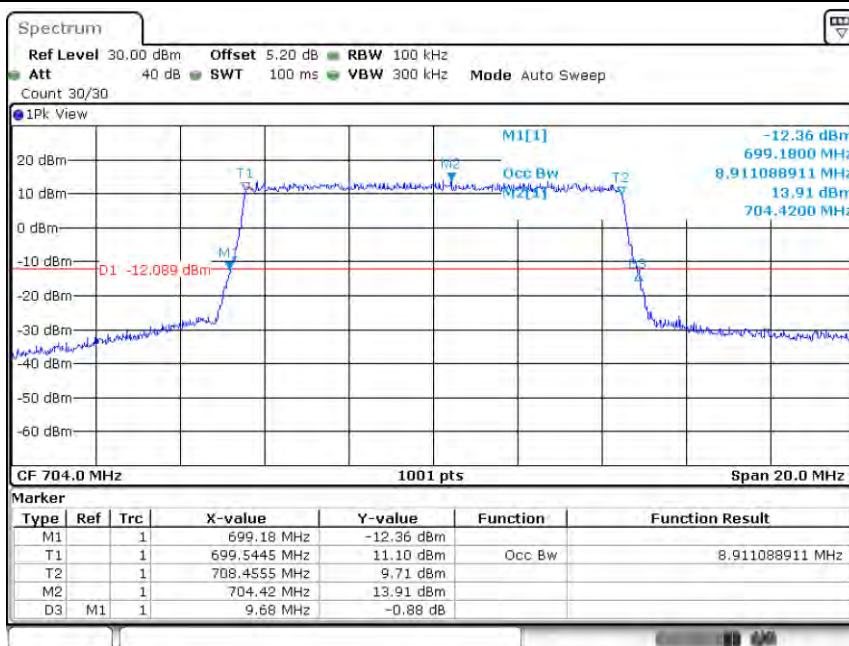


Band12-10MHz-64QAM-23130-50RB#0-8.911



Date: 20.FEB.2021 09:27:00

Band12-10MHz-16QAM-23060-50RB#0-8.911



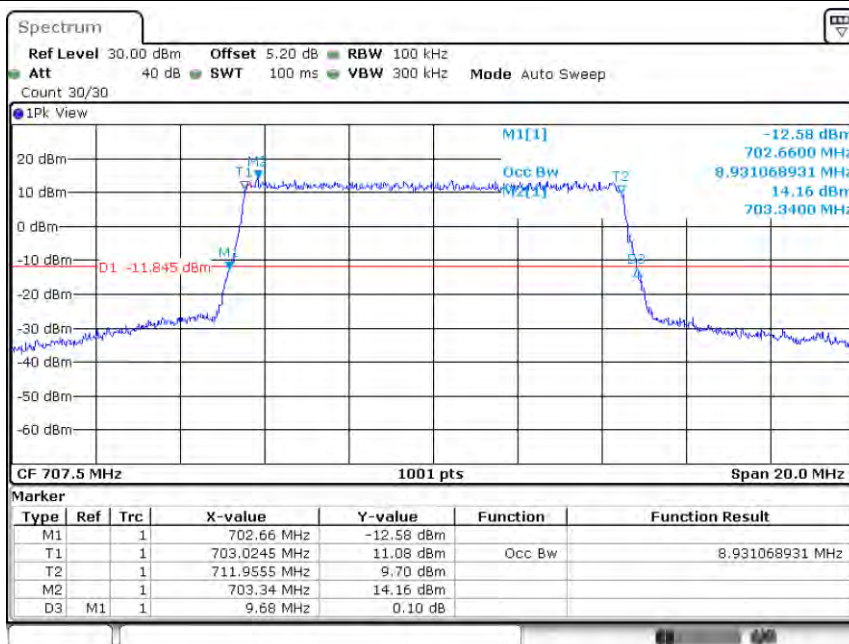
Date: 20.FEB.2021 08:38:02



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

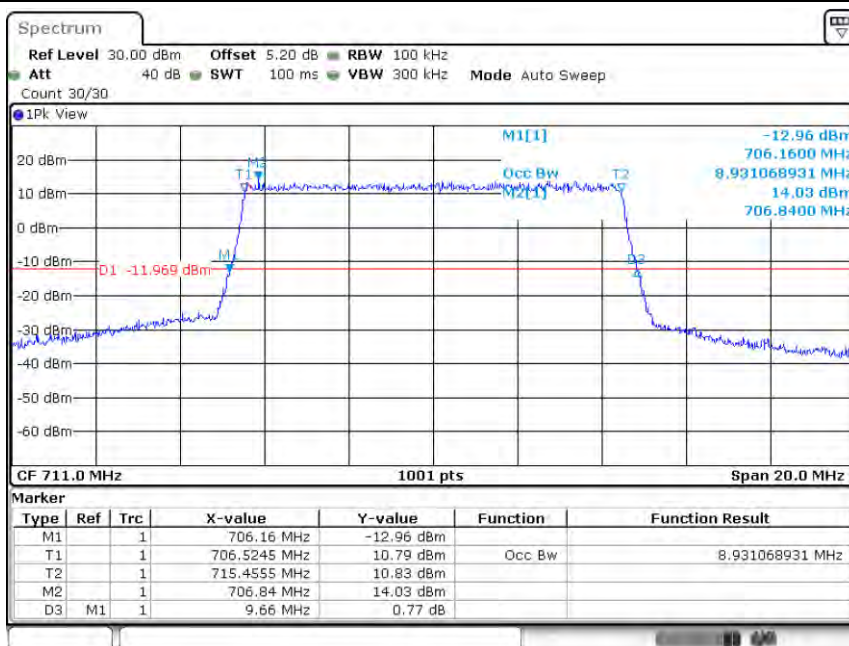
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band12-10MHz-16QAM-23095-50RB#0-8.931



Date: 20.FEB.2021 08:38:27

Band12-10MHz-16QAM-23130-50RB#0-8.931



Date: 20.FEB.2021 08:38:53



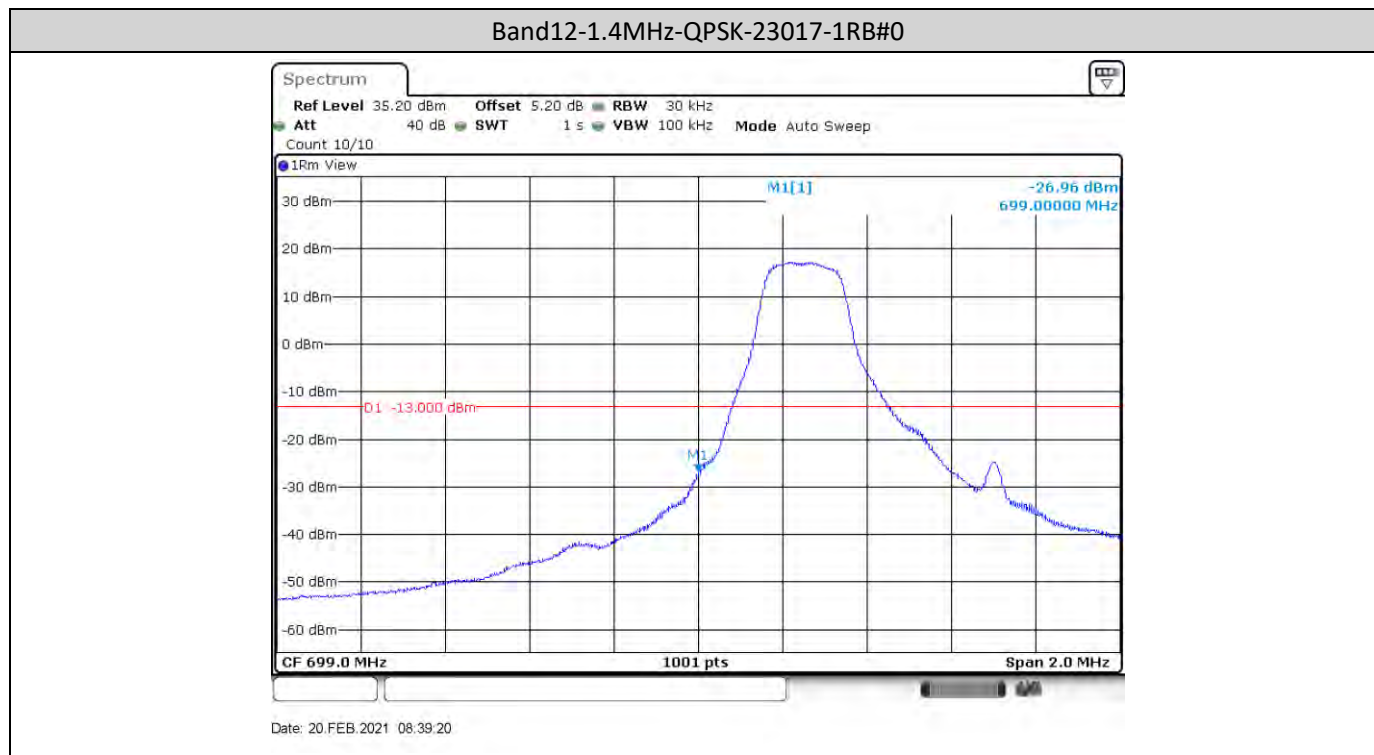
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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.



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



Date: 20.FEB.2021 08:40:01

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



Date: 20.FEB.2021 08:40:46



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

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



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



Date: 20.FEB.2021 08:41:28

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



Date: 20.FEB.2021 09:27:26



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
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区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-64QAM-23017-6RB#0



Date: 20.FEB.2021 09:27:46

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



Date: 20.FEB.2021 09:28:11



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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-64QAM-23173-6RB#0



Date: 20.FEB.2021 09:28:32

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



Date: 20.FEB.2021 08:39:40



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

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



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



Date: 20.FEB.2021 08:40:21

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



Date: 20.FEB.2021 08:41:07



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

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



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



Date: 20.FEB.2021 08:41:49

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



Date: 20.FEB.2021 08:42:14



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

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



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



Date: 20.FEB.2021 08:42:56

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



Date: 20.FEB.2021 08:43:41



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

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



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



Date: 20.FEB.2021 08:44:23

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



Date: 20.FEB.2021 09:28:58





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



Date: 20.FEB.2021 09:29:18

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



Date: 20.FEB.2021 09:29:43



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

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

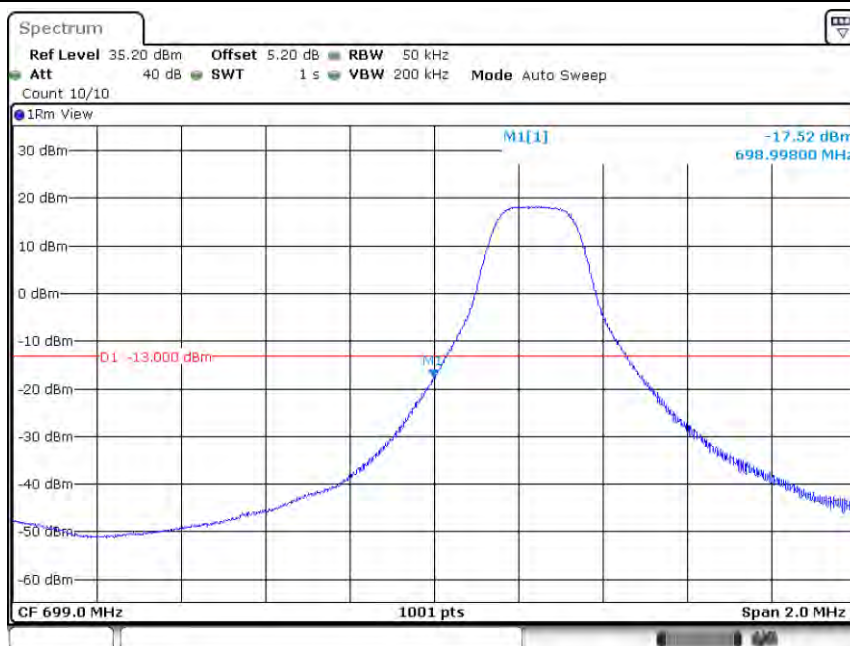


Band12-3MHz-64QAM-23165-15RB#0



Date: 20.FEB.2021 09:30:03

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



Date: 20.FEB.2021 08:42:35



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

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



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



Date: 20.FEB.2021 08:43:16

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



Date: 20.FEB.2021 08:44:02



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

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

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



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



Date: 20.FEB.2021 08:44:43

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



Date: 20.FEB.2021 08:45:09





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



Date: 20.FEB.2021 08:45:50

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



Date: 20.FEB.2021 08:46:35



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

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

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



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



Date: 20.FEB.2021 08:47:16

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



Date: 20.FEB.2021 09:30:29





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



Date: 20.FEB.2021 09:30:50

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



Date: 20.FEB.2021 09:31:15



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

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

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



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



Date: 20.FEB.2021 09:31:35

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



Date: 20.FEB.2021 08:45:30





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



Date: 20.FEB.2021 08:46:11

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



Date: 20.FEB.2021 08:46:56



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

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

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

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



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



Date: 20.FEB.2021 08:47:37

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



Date: 20.FEB.2021 08:48:02





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



Date: 20.FEB.2021 08:48:43

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



Date: 20.FEB.2021 08:49:28



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

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

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



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



Date: 20.FEB.2021 08:50:09

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



Date: 20.FEB.2021 09:32:01



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

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

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



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



Date: 20.FEB.2021 09:32:21

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



Date: 20.FEB.2021 09:32:47



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

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

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



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



Date: 20.FEB.2021 09:33:08

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



Date: 20.FEB.2021 08:48:23





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



Date: 20.FEB.2021 08:49:04

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



Date: 20.FEB.2021 08:49:49



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

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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区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-23130-50RB#0



Date: 20.FEB.2021 08:50:30



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

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

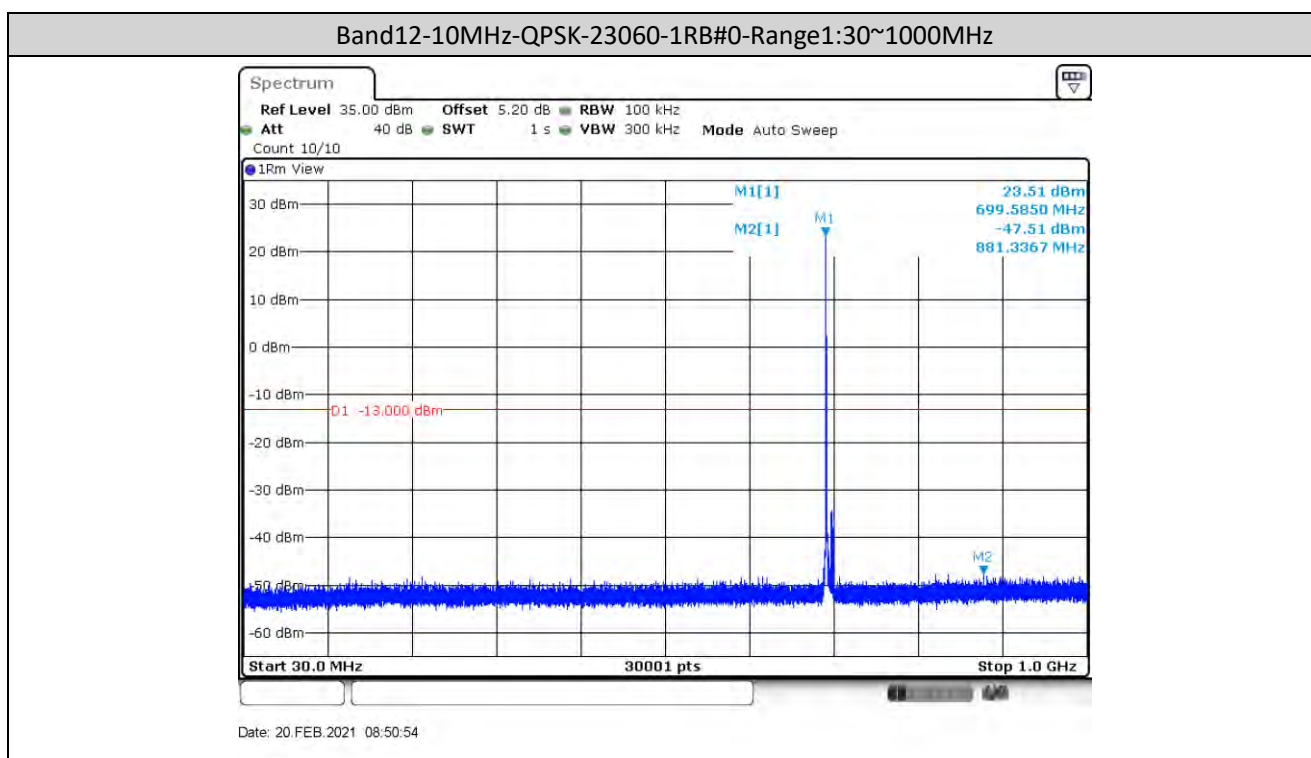
6. Spurious Emission at Antenna Terminal

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

Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots



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

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

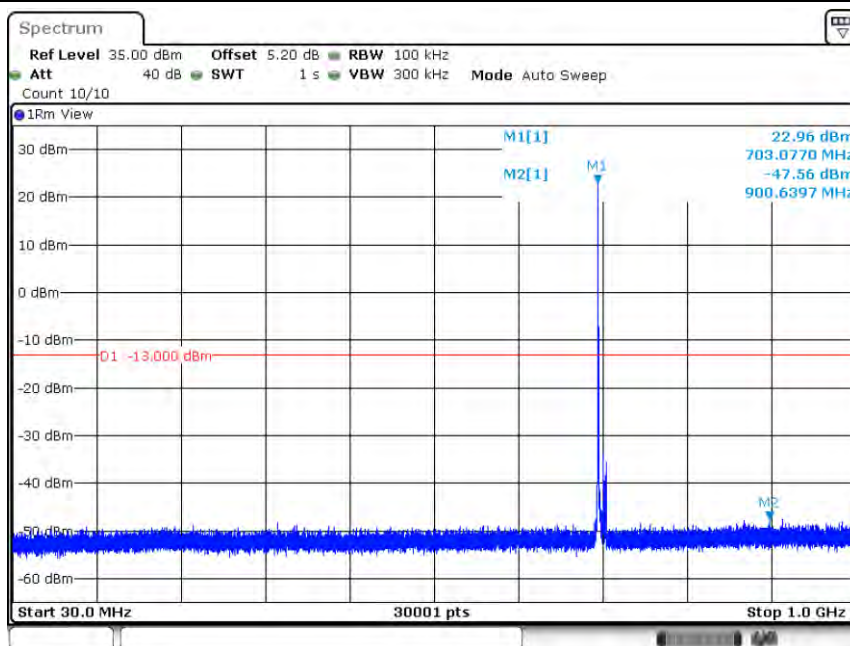
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 20.FEB.2021 08:52:01

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



Date: 20.FEB.2021 08:53:48



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

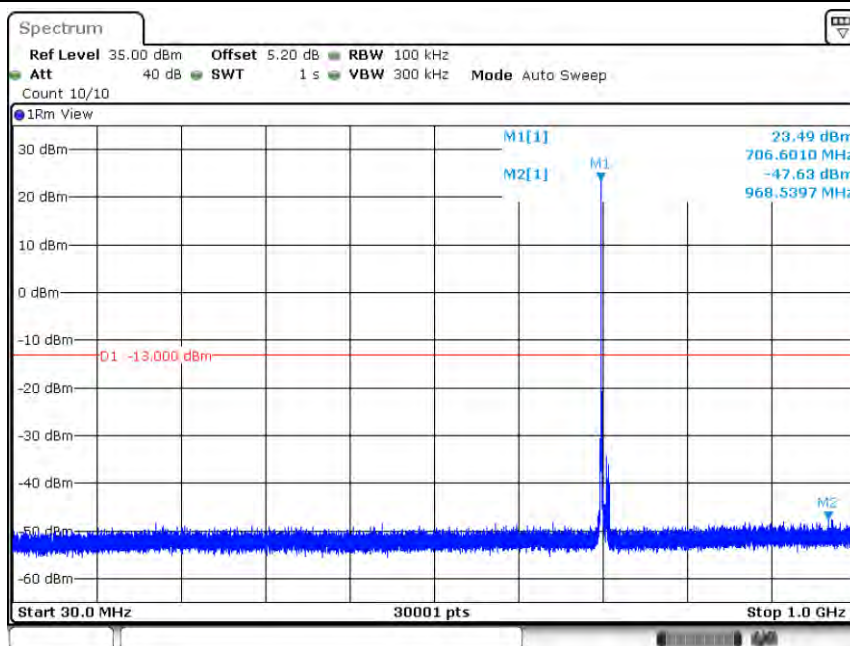
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 20.FEB.2021 08:54:55

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



Date: 20.FEB.2021 08:56:42



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

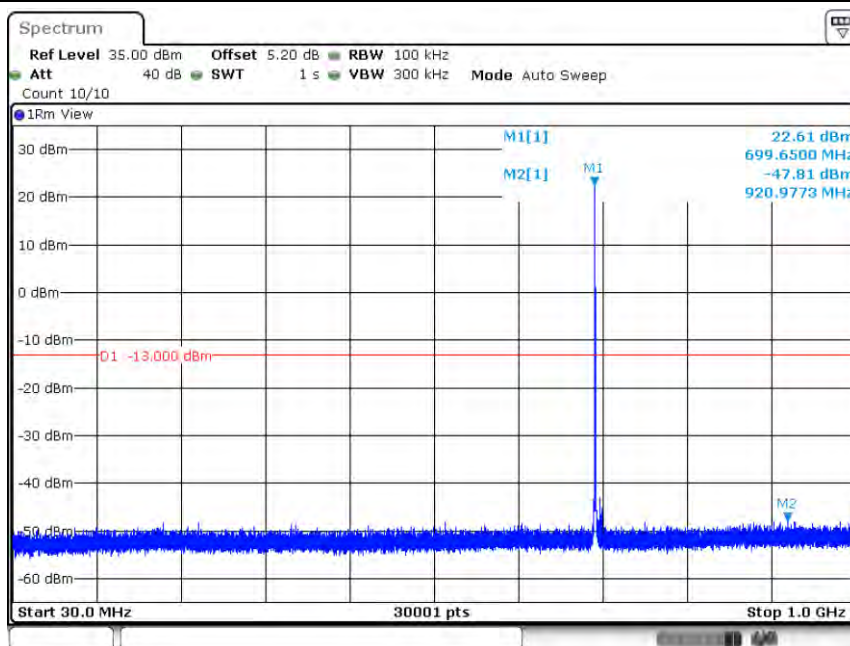
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 20.FEB.2021 08:57:49

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



Date: 20.FEB.2021 09:33:32



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

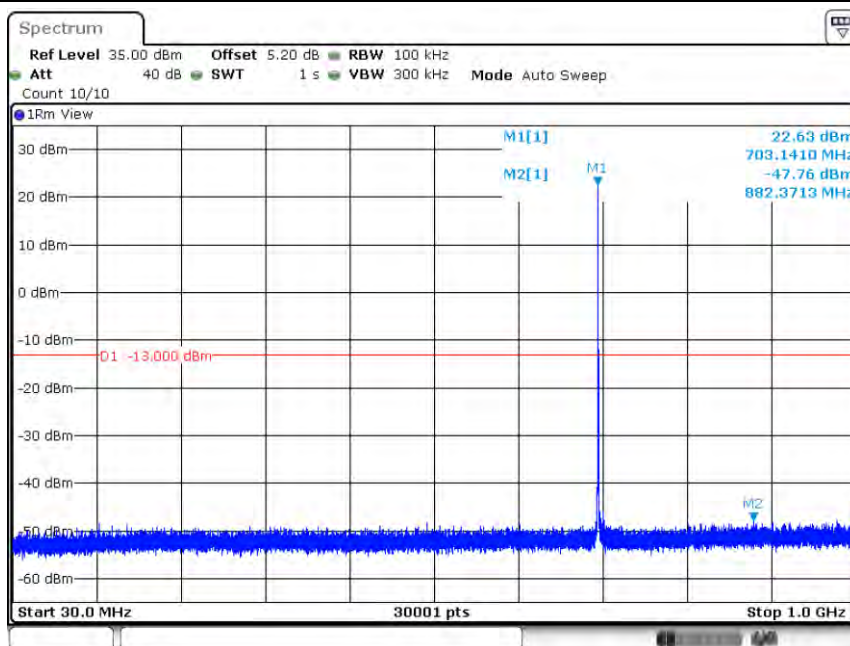
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 20.FEB.2021 09:34:39

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



Date: 20.FEB.2021 09:34:59



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

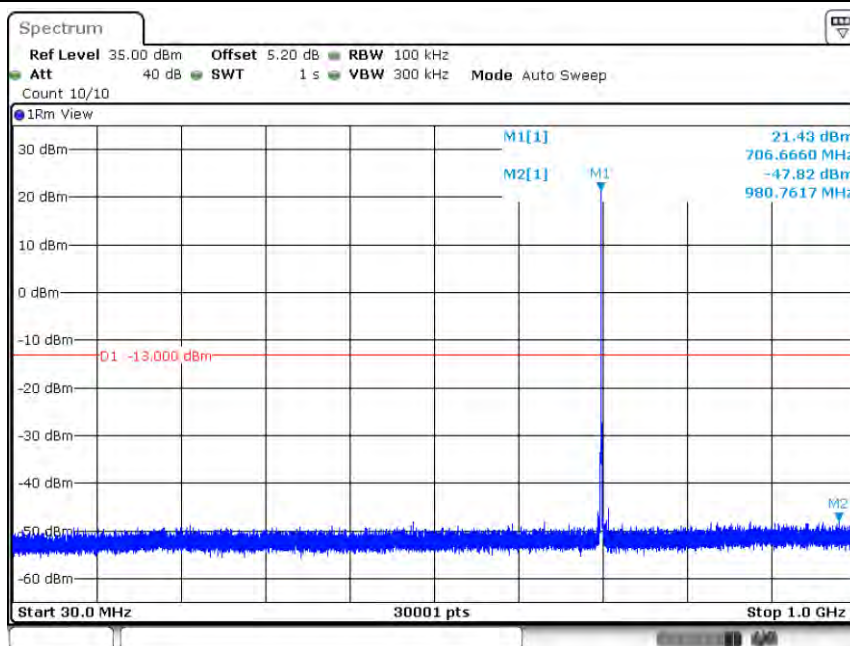
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 20.FEB.2021 09:36:06

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



Date: 20.FEB.2021 09:36:26



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.

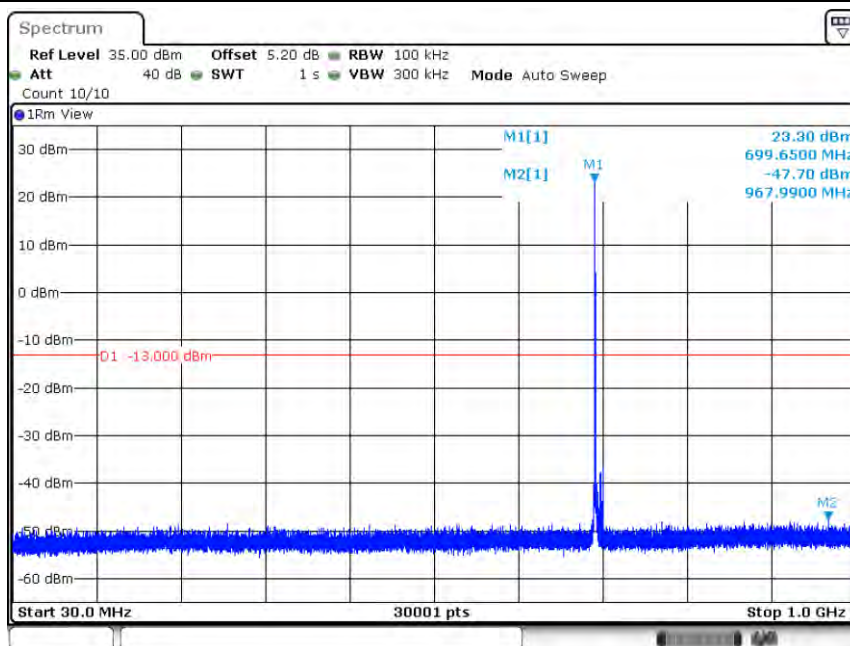
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~10000MHz



Date: 20.FEB.2021 09:37:33

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



Date: 20.FEB.2021 08:52:20



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

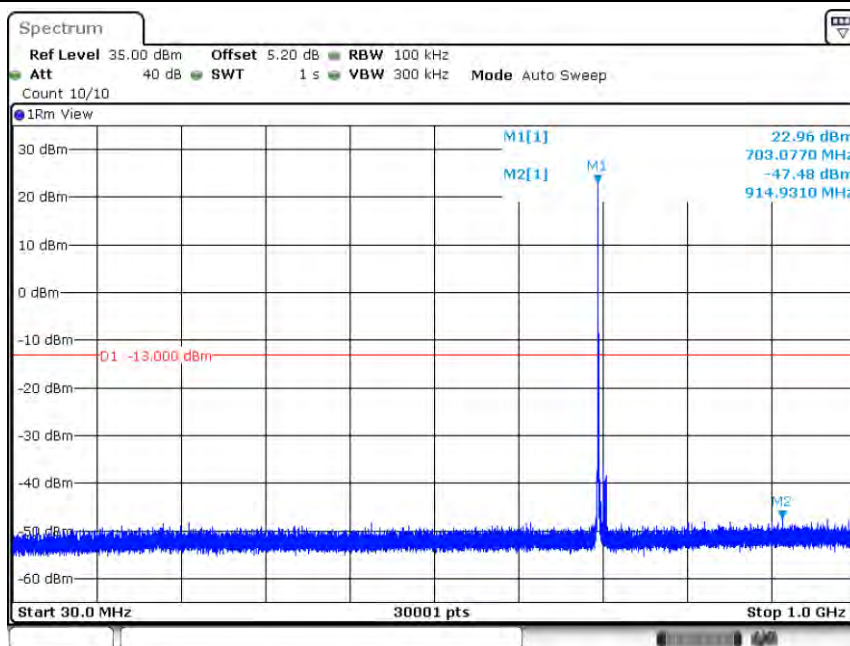
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 20.FEB.2021 08:53:28

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



Date: 20.FEB.2021 08:55:14



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

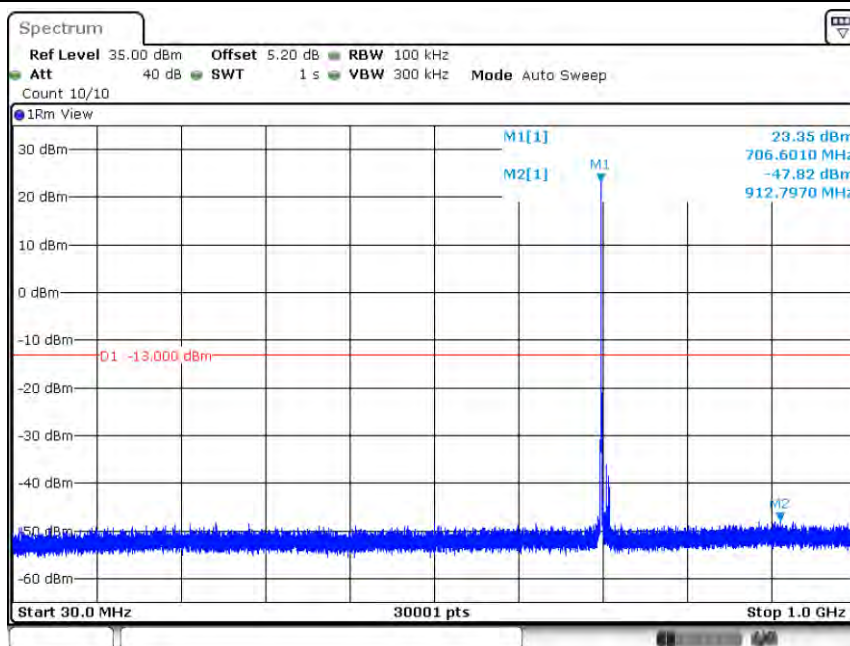
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 20.FEB.2021 08:56:22

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



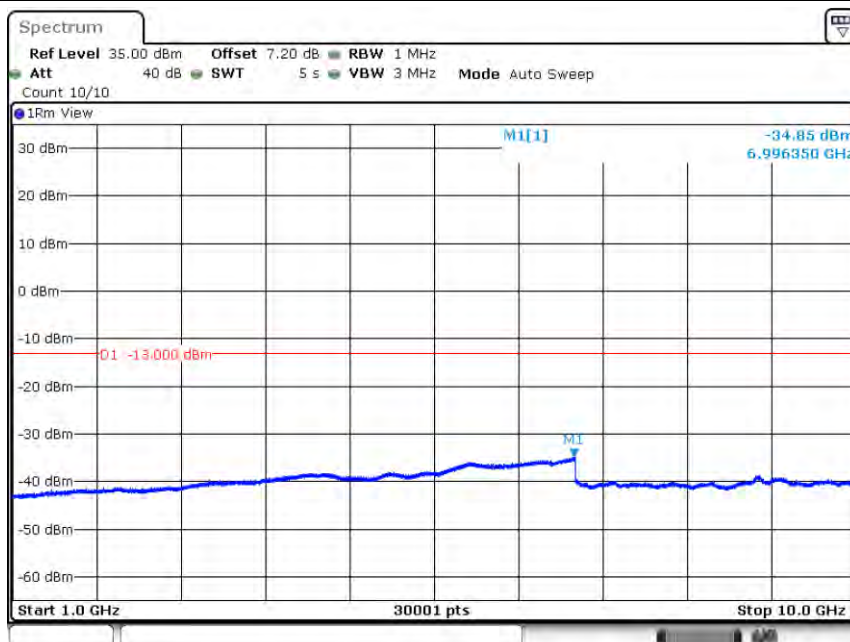
Date: 20.FEB.2021 08:58:08



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

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

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



Date: 20.FEB.2021 08:59:16



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

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



7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_12_TM1

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.6663	-67.28	-60.64	-13.00	47.64	Horizontal
2	97.6609	-57.96	-62.88	-13.00	49.88	Horizontal
3	231.6731	-69.30	-66.48	-13.00	53.48	Horizontal
4	1398.8798	-57.71	-55.58	-13.00	42.58	Horizontal
5	2099.0198	-63.71	-55.96	-13.00	42.96	Horizontal
6	7446.2979	-55.43	-55.46	-13.00	42.46	Horizontal



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

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



7.2. Test Band = LTE_12_TM1
7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.5436	-66.16	-71.43	-13.00	58.43	Vertical
2	113.7637	-66.18	-60.10	-13.00	47.10	Vertical
3	1398.8798	-55.92	-53.29	-13.00	40.29	Vertical
4	2099.0198	-64.17	-56.45	-13.00	43.45	Vertical
5	7355.0142	-55.94	-55.42	-13.00	42.42	Vertical
6	9300.5320	-57.79	-51.69	-13.00	38.69	Vertical



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

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



7.3. Test Band = LTE_12_TM1
7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.8603	-68.80	-62.27	-13.00	49.27	Horizontal
2	97.6609	-61.21	-66.13	-13.00	53.13	Horizontal
3	165.6128	-65.54	-70.88	-13.00	57.88	Horizontal
4	1406.0812	-58.67	-56.45	-13.00	43.45	Horizontal
5	2109.4219	-64.95	-57.11	-13.00	44.11	Horizontal
6	7479.0592	-55.56	-55.57	-13.00	42.57	Horizontal



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

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



7.4. Test Band = LTE_12_TM1
7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	55.4638	-65.49	-66.98	-13.00	53.98	Vertical
2	97.4184	-65.80	-62.60	-13.00	49.60	Vertical
3	1406.0812	-55.53	-52.84	-13.00	39.84	Vertical
4	2109.4219	-64.94	-57.09	-13.00	44.09	Vertical
5	7347.7339	-55.69	-55.18	-13.00	42.18	Vertical
6	9333.5733	-57.50	-51.72	-13.00	38.72	Vertical



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

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



7.5. Test Band = LTE_12_TM1

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.0058	-67.84	-61.40	-13.00	48.40	Horizontal
2	96.3028	-62.28	-67.46	-13.00	54.46	Horizontal
3	238.3664	-70.62	-67.82	-13.00	54.82	Horizontal
4	1413.2827	-58.51	-56.19	-13.00	43.19	Horizontal
5	2119.8240	-66.23	-58.29	-13.00	45.29	Horizontal
6	7485.4994	-55.73	-55.74	-13.00	42.74	Horizontal



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

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



7.6. Test Band = LTE_12_TM1

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.8974	-67.79	-69.44	-13.00	56.44	Vertical
2	112.8421	-68.60	-62.44	-13.00	49.44	Vertical
3	1412.8826	-59.45	-56.69	-13.00	43.69	Vertical
4	2119.8240	-66.09	-58.11	-13.00	45.11	Vertical
5	2645.5291	-67.21	-56.55	-13.00	43.55	Vertical
6	7467.2987	-55.30	-55.06	-13.00	42.06	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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

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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	0.60	0.000852	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	1.30	0.001847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	1.00	0.001413	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	1.30	0.001837	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	1.10	0.001547	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	1.50	0.002131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	1.70	0.002403	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	0.20	0.000283	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	1.40	0.001969	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-1.00	-0.001406	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	1.70	0.002391	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-0.80	-0.001136	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-0.60	-0.000852	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	1.00	0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	0.60	0.000848	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	0.40	0.000563	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	0.20	0.000281	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-0.40	-0.000563	±2.5	PASS





8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-0.30	-0.000426	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	0.20	0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	0.70	0.000994	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	0.30	0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	0.20	0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	0.40	0.000563	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	2.10	0.002954	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-0.80	-0.001125	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	0.50	0.000703	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	0.70	0.000985	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	0.60	0.000844	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	1.20	0.001688	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	1.10	0.001547	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	0.60	0.000852	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	-1.40	-0.001989	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	0.10	0.000142	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	0.50	0.000710	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-0.50	-0.000710	±2.5	PASS



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

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



Band12	10MHz	64QAM	23060	50RB#0	NV	40	0.90	0.001278	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	1.00	0.001420	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	1.10	0.001555	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	0.10	0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	0.20	0.000283	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	1.00	0.001413	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	0.20	0.000283	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-0.30	-0.000422	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	0.40	0.000563	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	0.20	0.000281	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	0.80	0.001125	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	0.10	0.000141	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	0.40	0.000563	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	1.10	0.001547	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	0.50	0.000703	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	1.30	0.001847	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-1.00	-0.001420	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-2.20	-0.003125	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	0.60	0.000848	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	0.20	0.000283	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	1.00	0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	0.30	0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	1.00	0.001413	±2.5	PASS



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

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



Band12	10MHz	16QAM	23130	50RB#0	NV	-30	0.40	0.000563	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	0.80	0.001125	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-0.50	-0.000703	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	0.10	0.000141	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	0.40	0.000563	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	0.50	0.000703	±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