



Appendix B

E-UTRA Band 2



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

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



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1.	TEST RESULT	3
2.	PEAK-TO-AVERAGE RATIO (CCDF)	15
2.1.	TEST RESULT	15
2.2.	TEST PLOTS.....	15
3.	MODULATION CHARACTERISTICS	20
3.1.	TEST MODE = LTE /TM1 20MHZ.....	20
3.1.1.	TEST CHANNEL = MCH.....	20
3.2.	TEST MODE = LTE /TM2 20MHZ.....	21
3.2.1.	TEST CHANNEL = MCH.....	21
3.3.	TEST MODE = LTE /TM3 20MHZ.....	22
3.3.1.	TEST CHANNEL = MCH.....	22
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	23
4.1.	TEST RESULT	23
4.2.	TEST PLOTS.....	25
5.	BAND EDGE COMPLIANCE	52
5.1.	TEST PLOTS.....	52
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	88
6.1.	TEST PLOTS.....	88
7.	FIELD STRENGTH OF SPURIOUS RADIATION	100
7.1.	TEST MODE =LTE/TM1	100
7.1.1.	TEST CHANNEL = LCH	100
7.1.2.	TEST CHANNEL = MCH.....	100
7.1.3.	TEST CHANNEL = HCH.....	101
8.	FREQUENCY STABILITY.....	102
8.1.	FREQUENCY VS VOLTAGE	102
8.2.	FREQUENCY VS TEMPERATURE	102



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

Attention: 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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.95	21.74	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.92	21.71	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.96	21.75	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.95	21.74	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.07	21.86	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.87	21.66	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.96	20.75	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.88	21.67	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.17	21.96	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.00	21.79	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.10	21.89	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.12	21.91	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.08	21.87	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.03	20.82	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.99	21.78	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.12	21.91	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.96	21.75	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.11	21.90	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.07	21.86	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.99	21.78	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.18	20.97	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.04	19.83	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.57	20.36	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.44	20.23	33.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#3	21.03	19.82	33.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#0	21.14	19.93	33.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#1	21.02	19.81	33.00	PASS



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

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

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



Band2	1.4MHz	64QAM	18607	6RB#0	20.30	19.09	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	21.35	20.14	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.39	20.18	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.18	19.97	33.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#0	21.18	19.97	33.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#3	21.16	19.95	33.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#1	21.25	20.04	33.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.25	19.04	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.17	19.96	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.59	20.38	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	21.26	20.05	33.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#3	21.09	19.88	33.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#1	21.06	19.85	33.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#0	21.19	19.98	33.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.41	19.20	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.07	20.86	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.52	21.31	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.32	21.11	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.02	20.81	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.03	20.82	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.88	20.67	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.26	20.05	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.28	21.07	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.27	21.06	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.04	20.83	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.01	20.80	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.00	20.79	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.10	20.89	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.09	19.88	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.14	20.93	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.53	21.32	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.16	20.95	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.03	20.82	33.00	PASS



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

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



Band2	1.4MHz	16QAM	19193	3RB#3	21.93	20.72	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.12	20.91	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.33	20.12	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.92	21.71	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.18	21.97	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.94	21.73	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.89	20.68	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.11	20.90	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.98	20.77	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.14	20.93	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.99	21.78	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.22	22.01	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.03	21.82	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.04	20.83	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.13	20.92	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.09	20.88	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.01	20.80	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.05	21.84	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.96	21.75	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.02	21.81	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.98	20.77	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.14	20.93	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.12	20.91	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.13	20.92	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	20.93	19.72	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.09	19.88	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.35	20.14	33.00	PASS
Band2	3MHz	64QAM	18615	8RB#7	20.21	19.00	33.00	PASS
Band2	3MHz	64QAM	18615	8RB#4	20.36	19.15	33.00	PASS
Band2	3MHz	64QAM	18615	8RB#0	20.10	18.89	33.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.25	19.04	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	20.88	19.67	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.91	20.70	33.00	PASS



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

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



Band2	3MHz	64QAM	18900	1RB#14	21.57	20.36	33.00	PASS
Band2	3MHz	64QAM	18900	8RB#7	20.27	19.06	33.00	PASS
Band2	3MHz	64QAM	18900	8RB#4	20.19	18.98	33.00	PASS
Band2	3MHz	64QAM	18900	8RB#0	20.26	19.05	33.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.36	19.15	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	20.90	19.69	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.24	20.03	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.27	20.06	33.00	PASS
Band2	3MHz	64QAM	19185	8RB#7	20.29	19.08	33.00	PASS
Band2	3MHz	64QAM	19185	8RB#4	20.28	19.07	33.00	PASS
Band2	3MHz	64QAM	19185	8RB#0	20.25	19.04	33.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.21	19.00	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.61	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.97	20.76	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.19	20.98	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.14	19.93	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.20	19.99	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.08	19.87	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.11	19.90	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.66	21.45	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.84	21.63	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.45	21.24	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.16	19.95	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.01	19.80	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.08	19.87	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.23	20.02	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.16	20.95	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.16	20.95	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.22	21.01	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.24	20.03	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.14	19.93	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.16	19.95	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.17	19.96	33.00	PASS



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

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



Band2	5MHz	QPSK	18625	1RB#12	22.95	21.74	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.98	21.77	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.92	21.71	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.03	20.82	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.16	20.95	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.99	20.78	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.03	20.82	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.12	21.91	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.11	21.90	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.99	21.78	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.11	20.90	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.17	20.96	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.08	20.87	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.15	20.94	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.96	21.75	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.02	21.81	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.93	21.72	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.13	20.92	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.16	20.95	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.10	20.89	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.08	20.87	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.40	20.19	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.74	20.53	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.28	20.07	33.00	PASS
Band2	5MHz	64QAM	18625	12RB#6	20.10	18.89	33.00	PASS
Band2	5MHz	64QAM	18625	12RB#0	20.14	18.93	33.00	PASS
Band2	5MHz	64QAM	18625	12RB#13	20.12	18.91	33.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.34	19.13	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.32	20.11	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.15	19.94	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.26	20.05	33.00	PASS
Band2	5MHz	64QAM	18900	12RB#0	20.28	19.07	33.00	PASS
Band2	5MHz	64QAM	18900	12RB#6	20.20	18.99	33.00	PASS



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

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

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



Band2	5MHz	64QAM	18900	12RB#13	20.21	19.00	33.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.22	19.01	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.20	19.99	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.68	20.47	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.13	19.92	33.00	PASS
Band2	5MHz	64QAM	19175	12RB#13	20.12	18.91	33.00	PASS
Band2	5MHz	64QAM	19175	12RB#6	20.11	18.90	33.00	PASS
Band2	5MHz	64QAM	19175	12RB#0	20.22	19.01	33.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.29	19.08	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.27	21.06	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.61	21.40	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.08	20.87	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.03	19.82	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.96	19.75	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.00	19.79	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.17	19.96	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.28	21.07	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.10	20.89	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.17	20.96	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.17	19.96	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.14	19.93	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.06	19.85	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.12	19.91	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.05	20.84	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.59	21.38	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.04	20.83	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.07	19.86	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.06	19.85	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.10	19.89	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.27	20.06	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.12	21.91	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.09	21.88	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.00	21.79	33.00	PASS



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

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

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



Band2	10MHz	QPSK	18650	25RB#12	21.93	20.72	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.98	20.77	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.21	21.00	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.15	20.94	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.13	21.92	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.08	21.87	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.99	21.78	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.16	20.95	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.08	20.87	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.97	20.76	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.02	20.81	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.90	21.69	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.05	21.84	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.14	21.93	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.07	20.86	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.09	20.88	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.00	20.79	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.13	20.92	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.50	20.29	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.08	19.87	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.31	20.10	33.00	PASS
Band2	10MHz	64QAM	18650	25RB#0	20.16	18.95	33.00	PASS
Band2	10MHz	64QAM	18650	25RB#25	20.14	18.93	33.00	PASS
Band2	10MHz	64QAM	18650	25RB#12	20.23	19.02	33.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.22	19.01	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.43	20.22	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.82	20.61	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.27	20.06	33.00	PASS
Band2	10MHz	64QAM	18900	25RB#0	20.32	19.11	33.00	PASS
Band2	10MHz	64QAM	18900	25RB#25	20.19	18.98	33.00	PASS
Band2	10MHz	64QAM	18900	25RB#12	20.08	18.87	33.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.18	18.97	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.25	20.04	33.00	PASS



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

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

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



Band2	10MHz	64QAM	19150	1RB#49	21.69	20.48	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#24	21.05	19.84	33.00	PASS
Band2	10MHz	64QAM	19150	25RB#25	20.19	18.98	33.00	PASS
Band2	10MHz	64QAM	19150	25RB#12	20.15	18.94	33.00	PASS
Band2	10MHz	64QAM	19150	25RB#0	20.00	18.79	33.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.04	18.83	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.43	21.22	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.02	20.81	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.13	20.92	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.04	19.83	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.08	19.87	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.19	19.98	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.12	19.91	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.26	21.05	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.76	21.55	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.13	20.92	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.18	19.97	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.12	19.91	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.07	19.86	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.23	20.02	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.21	21.00	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.64	21.43	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.94	20.73	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.03	19.82	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.07	19.86	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.88	19.67	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.02	19.81	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.96	21.75	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.94	21.73	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.91	21.70	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.00	20.79	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.08	20.87	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.11	20.90	33.00	PASS



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

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



Band2	15MHz	QPSK	18675	75RB#0	22.03	20.82	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.93	21.72	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.96	21.75	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.93	21.72	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.19	20.98	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.08	20.87	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.14	20.93	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.12	20.91	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.93	21.72	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.96	21.75	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.97	21.76	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.10	20.89	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.10	20.89	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.03	20.82	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.11	20.90	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.18	19.97	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.30	20.09	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.25	20.04	33.00	PASS
Band2	15MHz	64QAM	18675	36RB#18	20.12	18.91	33.00	PASS
Band2	15MHz	64QAM	18675	36RB#0	20.13	18.92	33.00	PASS
Band2	15MHz	64QAM	18675	36RB#39	20.04	18.83	33.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.17	18.96	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.18	19.97	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.16	19.95	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.28	20.07	33.00	PASS
Band2	15MHz	64QAM	18900	36RB#18	20.28	19.07	33.00	PASS
Band2	15MHz	64QAM	18900	36RB#39	20.26	19.05	33.00	PASS
Band2	15MHz	64QAM	18900	36RB#0	19.99	18.78	33.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.17	18.96	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.29	20.08	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.22	20.01	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.13	19.92	33.00	PASS
Band2	15MHz	64QAM	19125	36RB#39	20.15	18.94	33.00	PASS



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

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



Band2	15MHz	64QAM	19125	36RB#18	20.18	18.97	33.00	PASS
Band2	15MHz	64QAM	19125	36RB#0	19.97	18.76	33.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.02	18.81	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.04	20.83	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.29	21.08	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.12	20.91	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.05	19.84	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.02	19.81	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.00	19.79	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.02	19.81	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.09	20.88	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.14	20.93	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.21	21.00	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.21	20.00	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.13	19.92	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.97	19.76	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.14	19.93	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.20	20.99	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.18	20.97	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.98	20.77	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.95	19.74	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.98	19.77	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.00	19.79	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.03	19.82	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.96	21.75	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.04	21.83	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.00	21.79	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.97	20.76	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.08	20.87	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.12	20.91	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.97	20.76	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.95	21.74	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.99	21.78	33.00	PASS



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

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



Band2	20MHz	QPSK	18900	1RB#99	22.92	21.71	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.11	20.90	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.11	20.90	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.15	20.94	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.06	20.85	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.98	21.77	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.17	21.96	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.94	21.73	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.11	20.90	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.21	21.00	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.08	20.87	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.01	20.80	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.35	20.14	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.18	19.97	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.27	20.06	33.00	PASS
Band2	20MHz	64QAM	18700	50RB#50	19.97	18.76	33.00	PASS
Band2	20MHz	64QAM	18700	50RB#25	20.23	19.02	33.00	PASS
Band2	20MHz	64QAM	18700	50RB#0	20.18	18.97	33.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.14	18.93	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	20.96	19.75	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.98	20.77	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.34	20.13	33.00	PASS
Band2	20MHz	64QAM	18900	50RB#50	20.14	18.93	33.00	PASS
Band2	20MHz	64QAM	18900	50RB#25	20.27	19.06	33.00	PASS
Band2	20MHz	64QAM	18900	50RB#0	20.09	18.88	33.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.21	19.00	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.54	20.33	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.55	20.34	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.07	19.86	33.00	PASS
Band2	20MHz	64QAM	19100	50RB#25	20.12	18.91	33.00	PASS
Band2	20MHz	64QAM	19100	50RB#50	20.27	19.06	33.00	PASS
Band2	20MHz	64QAM	19100	50RB#0	20.20	18.99	33.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.13	18.92	33.00	PASS



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

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



Band2	20MHz	16QAM	18700	1RB#49	22.31	21.10	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.98	20.77	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.14	20.93	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.00	19.79	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.10	19.89	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.20	19.99	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.06	19.85	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.93	20.72	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.96	21.75	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.20	20.99	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.10	19.89	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.19	19.98	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.91	19.70	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.13	19.92	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.45	21.24	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.49	21.28	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.01	20.80	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.00	19.79	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.16	19.95	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.04	19.83	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.01	19.80	33.00	PASS

Remark:

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

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

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



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

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

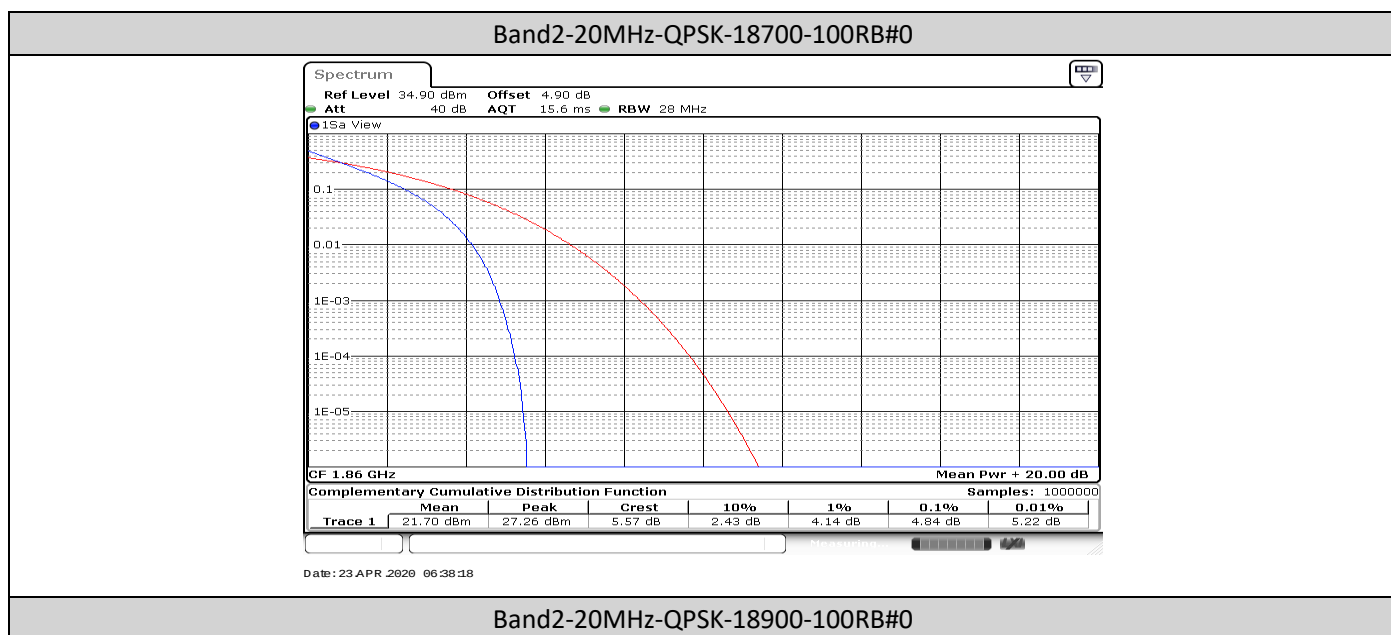


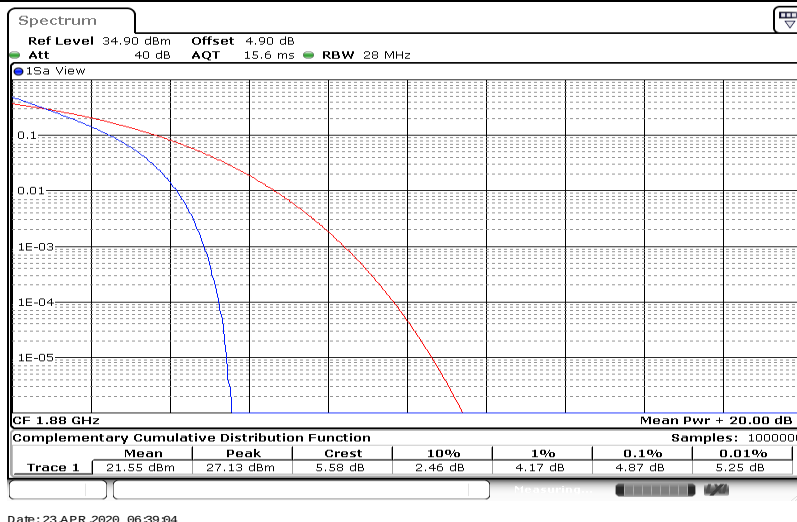
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.84	13.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.87	13.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.78	13.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	5.71	13.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	5.68	13.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	5.65	13.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.71	13.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.68	13.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.65	13.00	PASS

2.2. Test Plots





Band2-20MHz-QPSK-19100-100RB#0

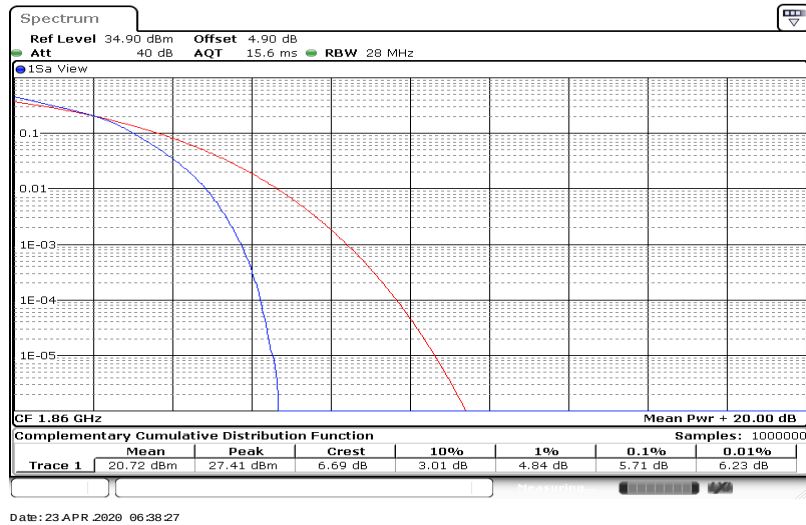


Band2-20MHz-64QAM-18700-100RB#0

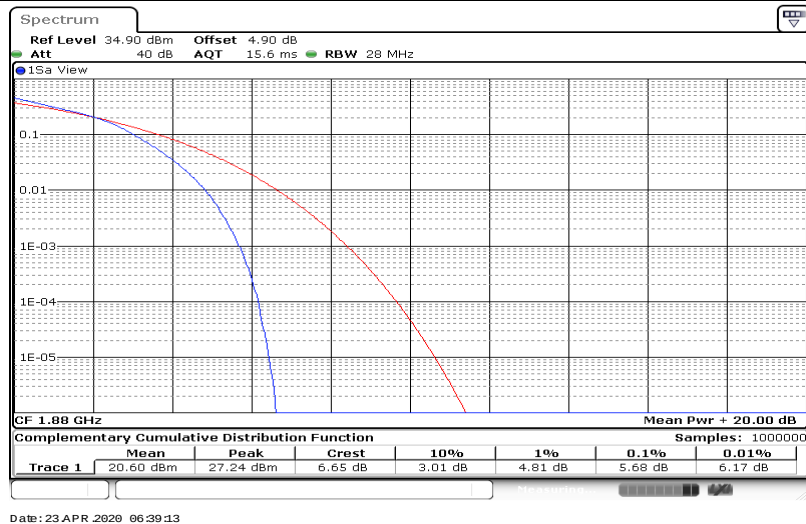


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

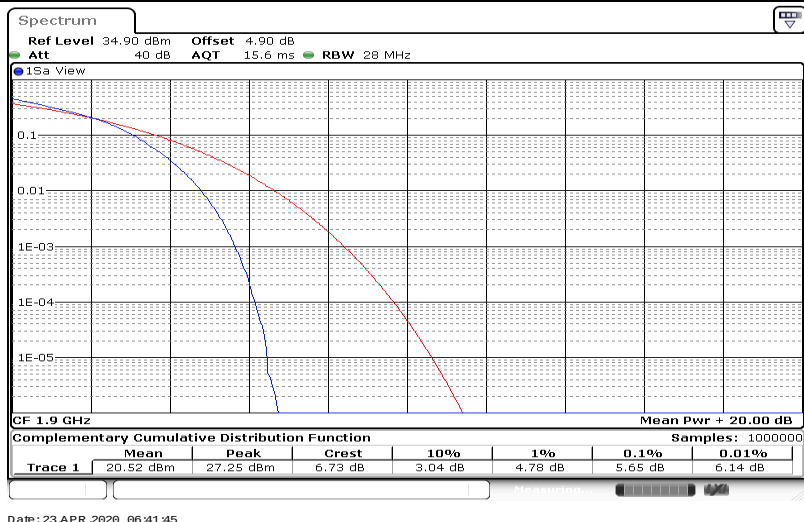


Band2-20MHz-64QAM-18900-100RB#0



Band2-20MHz-64QAM-19100-100RB#0





Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-18900-100RB#0



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

Attention: 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



Band2-20MHz-16QAM-19100-100RB#0



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

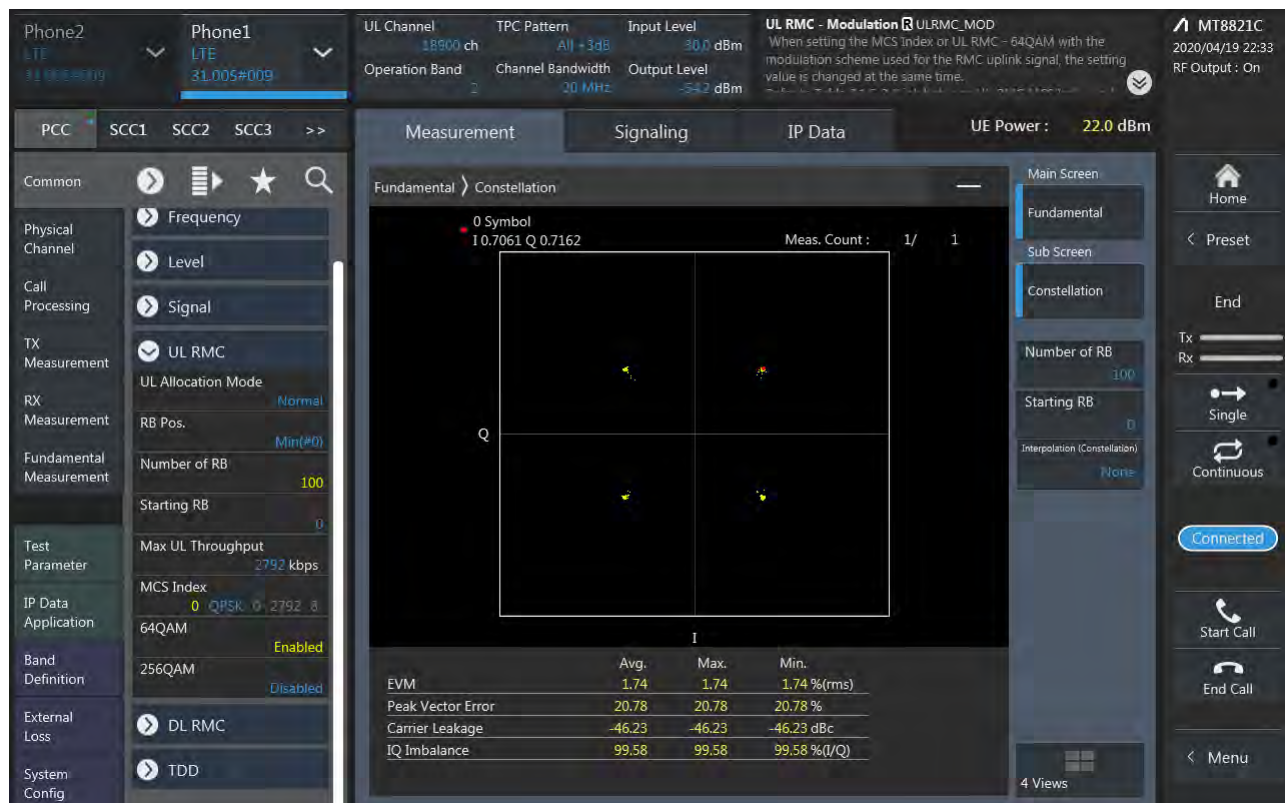
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

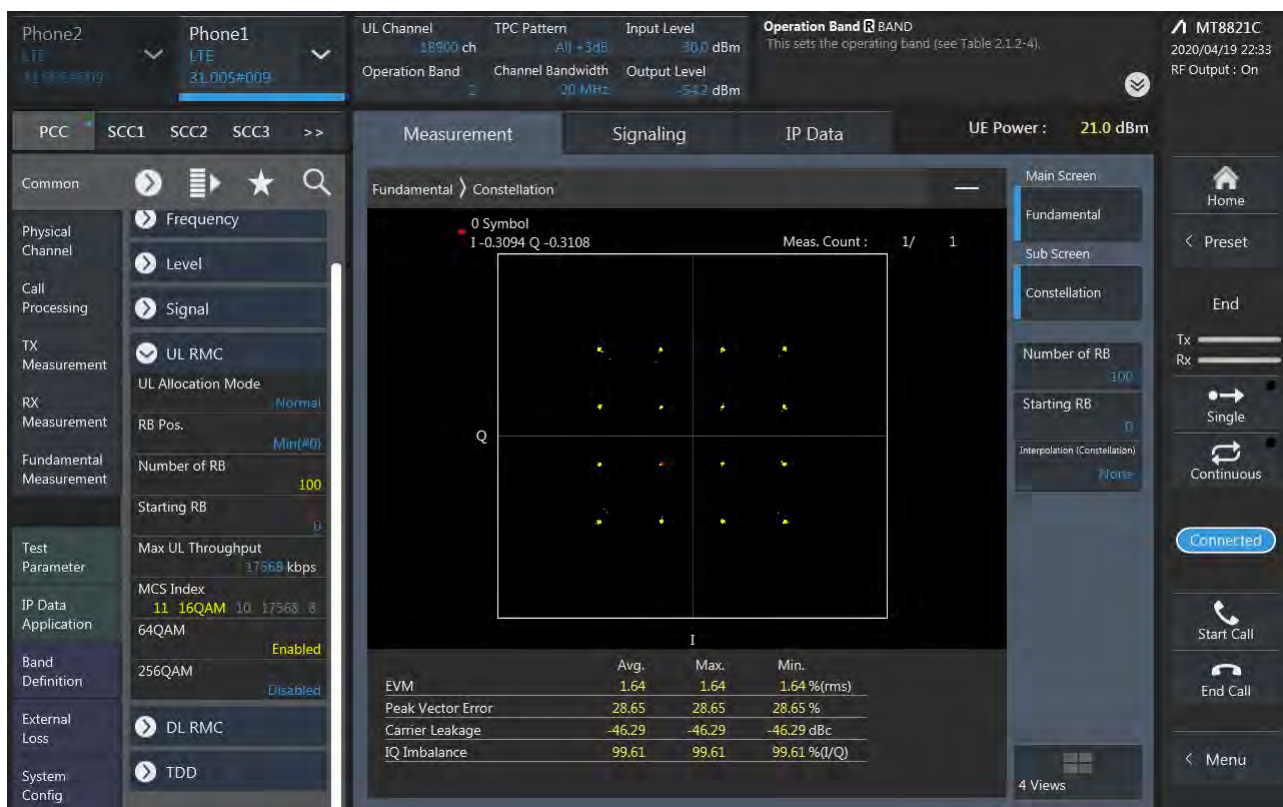
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

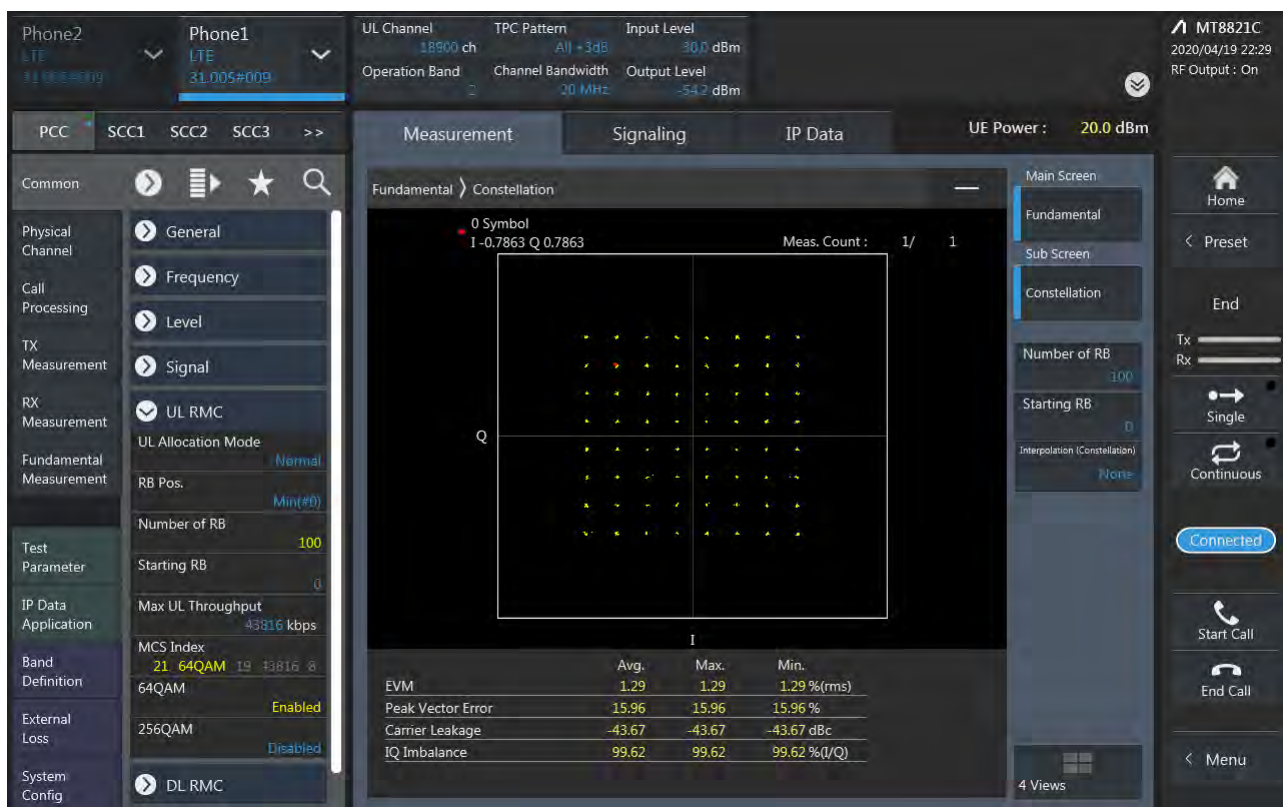
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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

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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.091	1.293	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.284	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.094	1.296	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.091	1.275	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.091	1.284	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.094	1.287	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.302	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.311	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.290	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.679	2.904	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.952	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.904	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.679	2.856	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.679	2.868	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.685	2.868	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.868	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.679	2.880	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.679	2.880	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.780	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.750	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.750	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.476	4.740	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.486	4.720	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.466	4.730	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.740	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.476	4.760	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.750	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.971	9.480	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.620	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.971	9.400	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.931	9.540	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



Band2	10MHz	64QAM	18900	50RB#0	8.951	9.480	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.951	9.420	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.971	9.400	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	9.440	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.951	9.460	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.606	14.520	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.576	14.520	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.546	14.670	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.576	14.400	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.576	14.670	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.576	14.520	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.576	14.520	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.546	15.090	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.576	14.640	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.862	19.280	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.022	19.000	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.062	19.080	PASS
Band2	20MHz	64QAM	18700	100RB#0	18.062	18.920	PASS
Band2	20MHz	64QAM	18900	100RB#0	18.102	19.040	PASS
Band2	20MHz	64QAM	19100	100RB#0	18.022	19.040	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.022	19.040	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.062	19.080	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.022	19.040	PASS



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

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

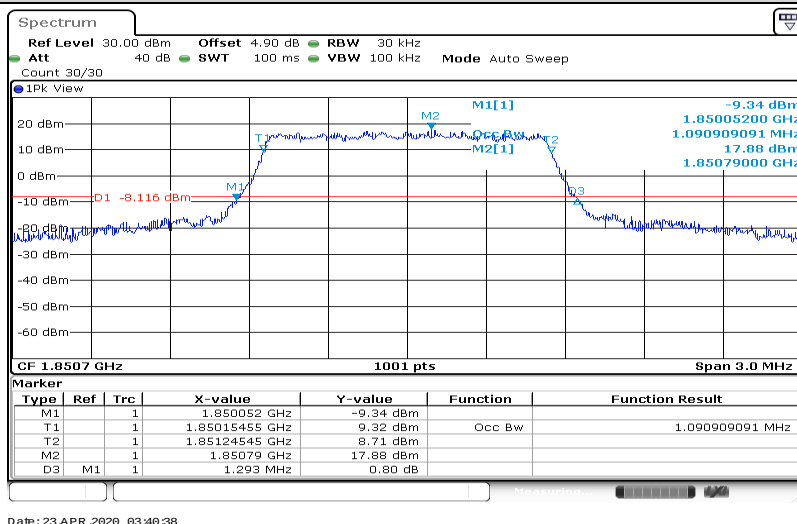
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC Laboratory)

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

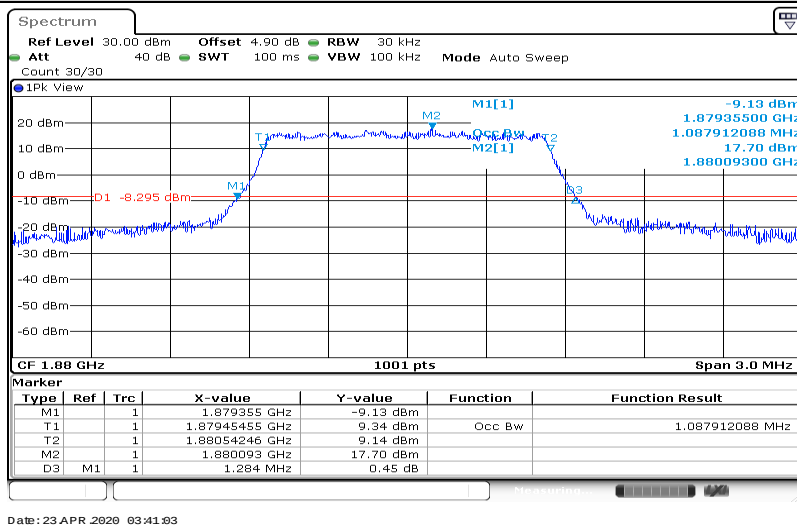


4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.091

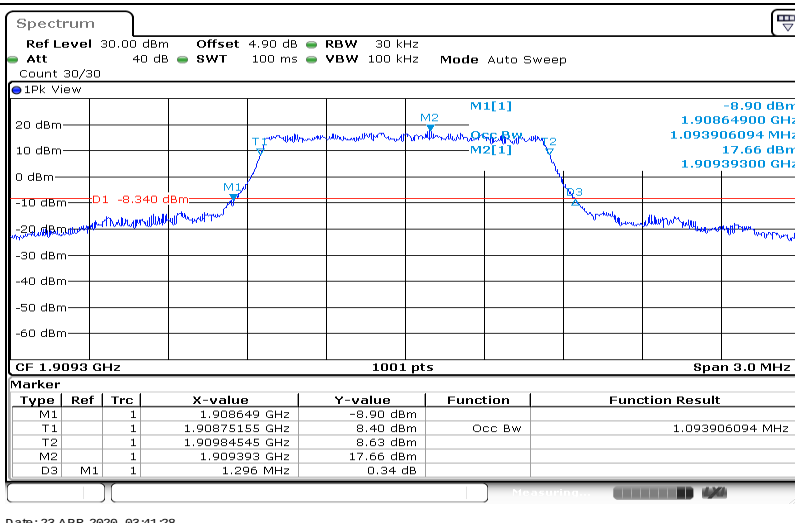


Band2-1.4MHz-QPSK-18900-6RB#0-1.088

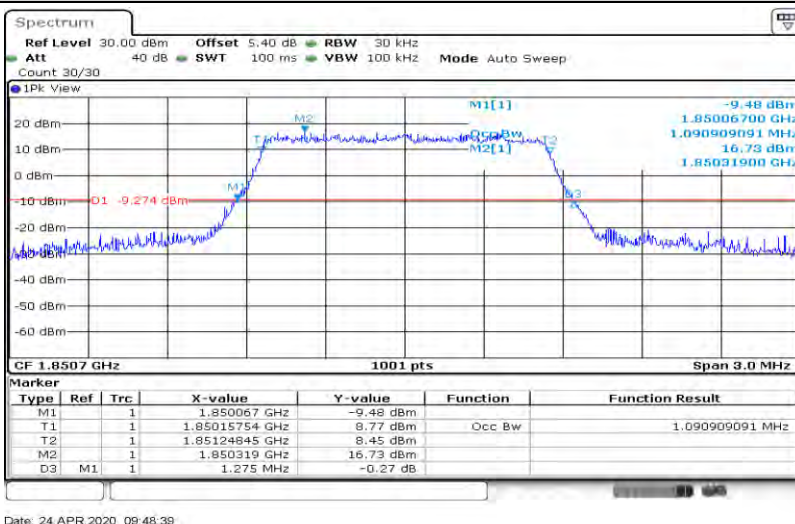


Band2-1.4MHz-QPSK-19193-6RB#0-1.094



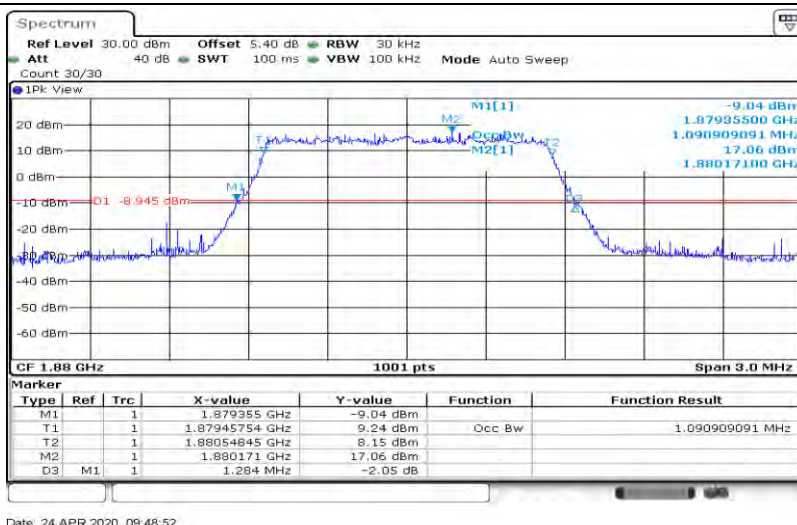


Band2-1.4MHz-64QAM-18607-6RB#0-1.091

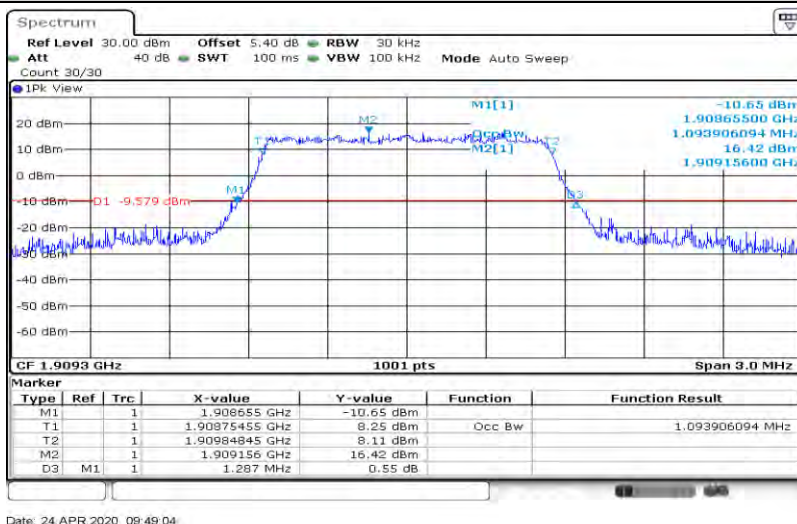


Band2-1.4MHz-64QAM-18900-6RB#0-1.091





Band2-1.4MHz-64QAM-19193-6RB#0-1.094

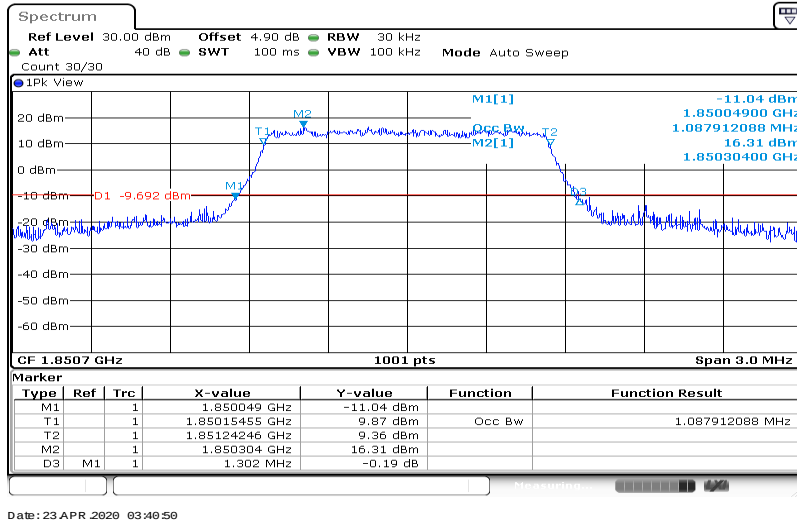


Band2-1.4MHz-16QAM-18607-6RB#0-1.088

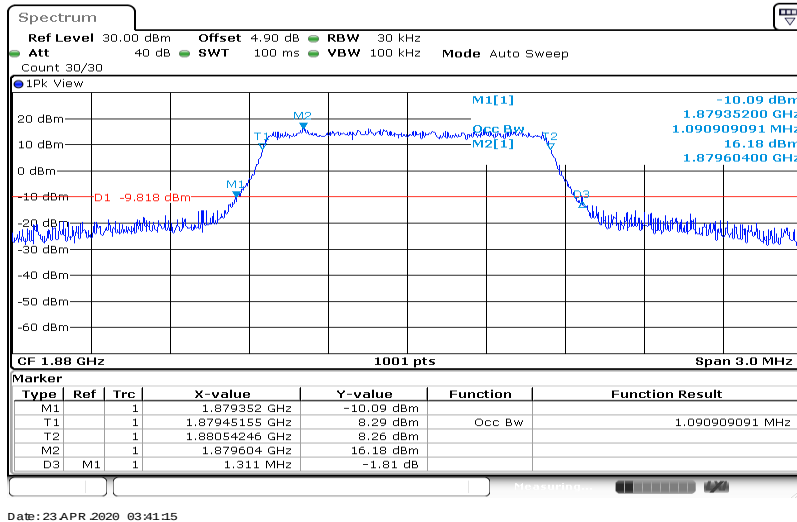


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-1.4MHz-16QAM-18900-6RB#0-1.091

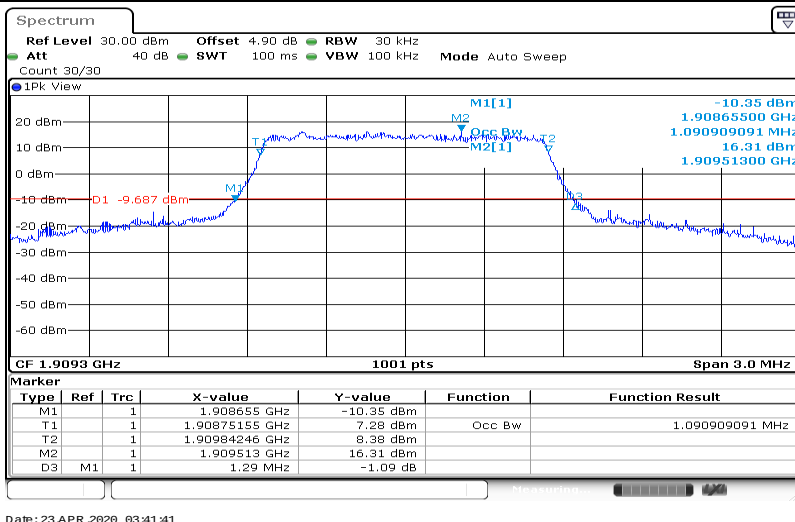


Band2-1.4MHz-16QAM-19193-6RB#0-1.091

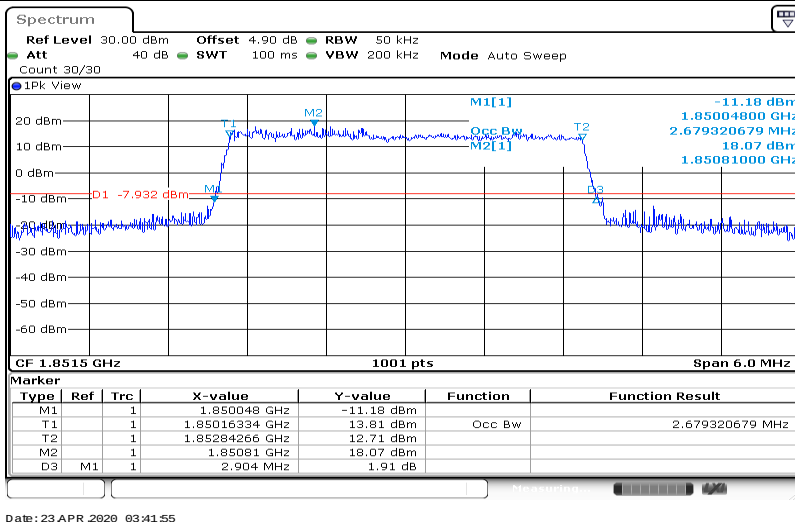


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-3MHz-QPSK-18615-15RB#0-2.679

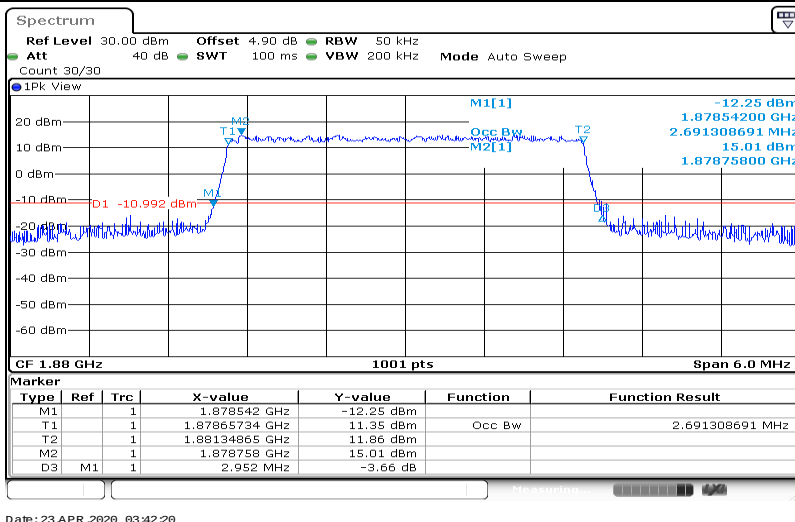


Band2-3MHz-QPSK-18900-15RB#0-2.691

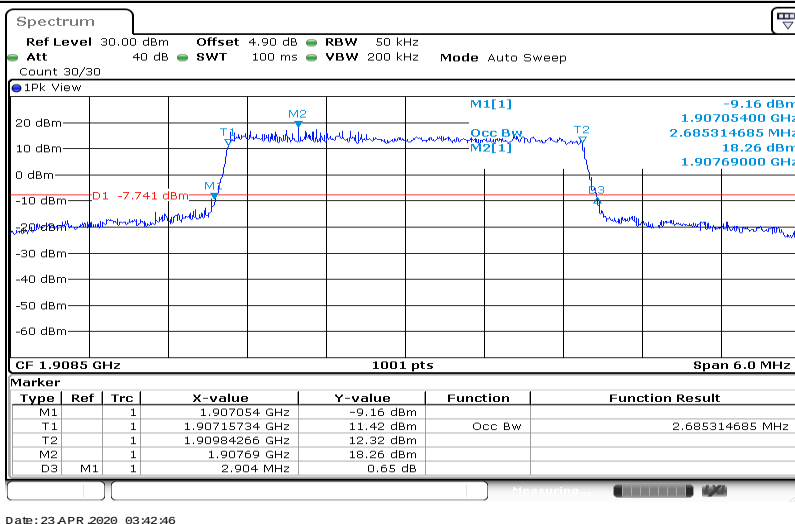


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

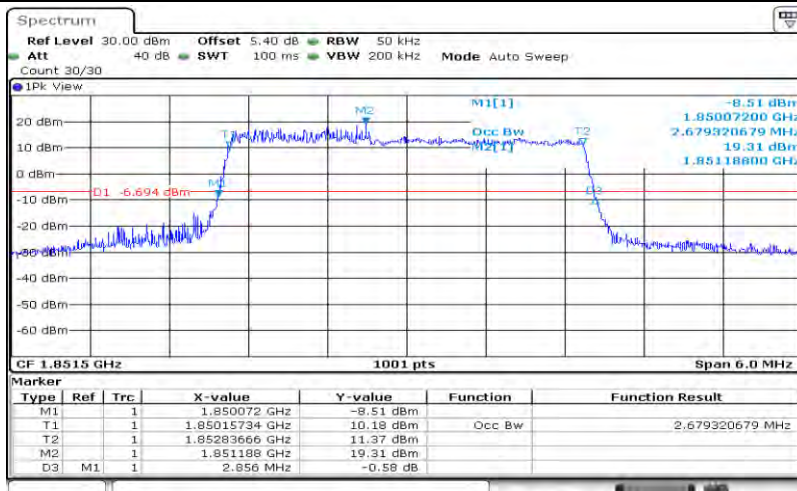


Band2-3MHz-QPSK-19185-15RB#0-2.685



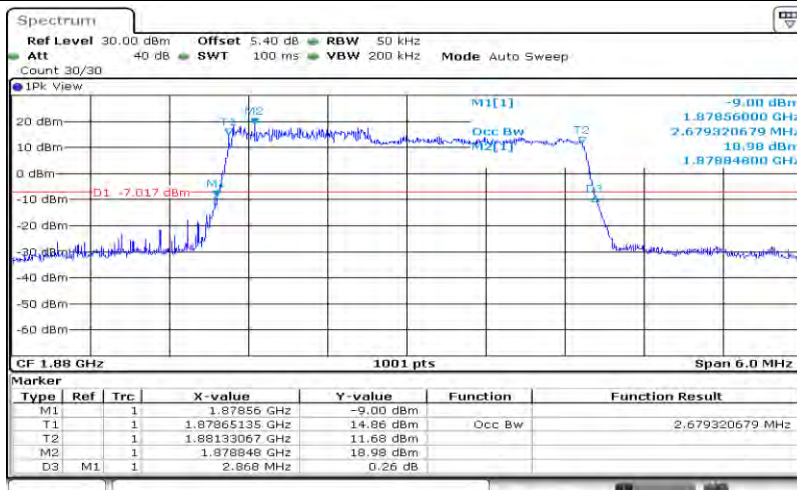
Band2-3MHz-64QAM-18615-15RB#0-2.679





Date: 24 APR 2020 09:49:25

Band2-3MHz-64QAM-18900-15RB#0-2.679



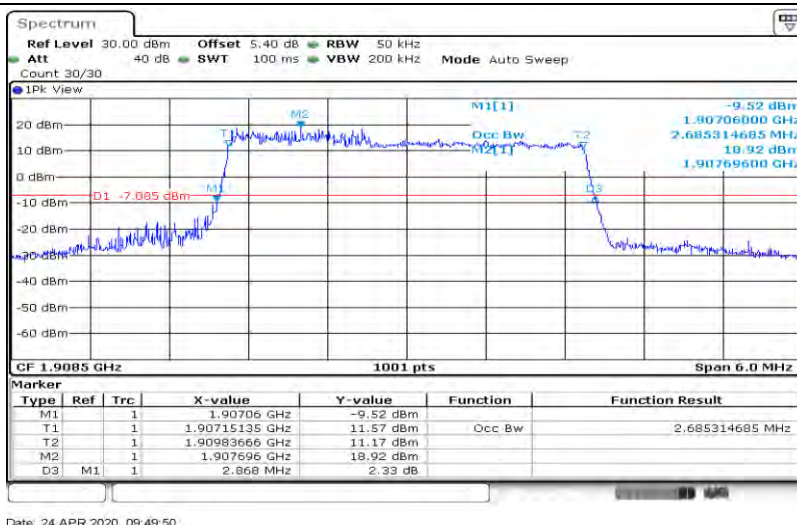
Date: 24 APR 2020 09:49:38

Band2-3MHz-64QAM-19185-15RB#0-2.685

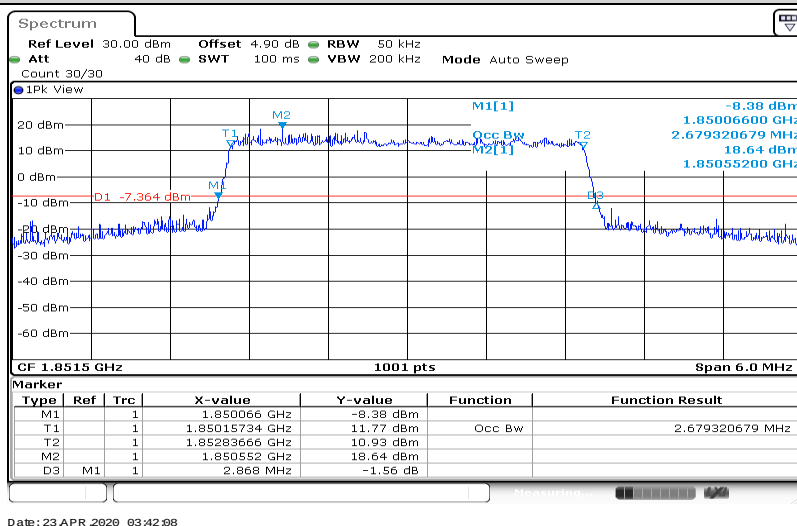


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-3MHz-16QAM-18615-15RB#0-2.679

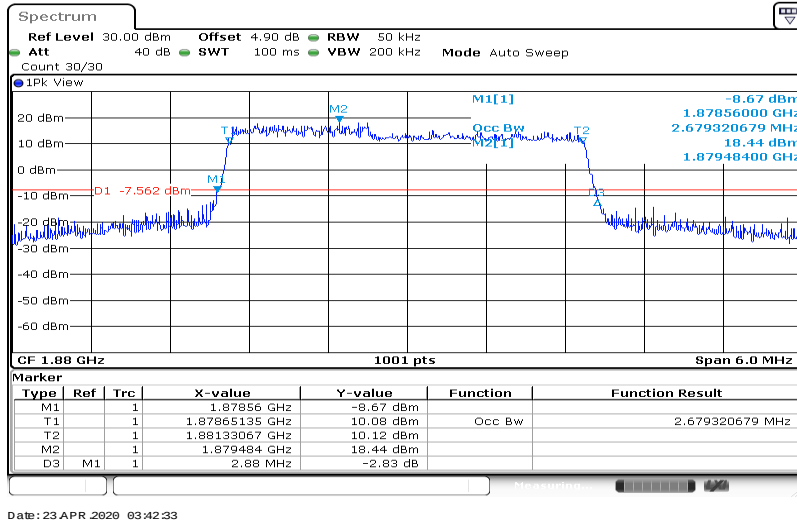


Band2-3MHz-16QAM-18900-15RB#0-2.679

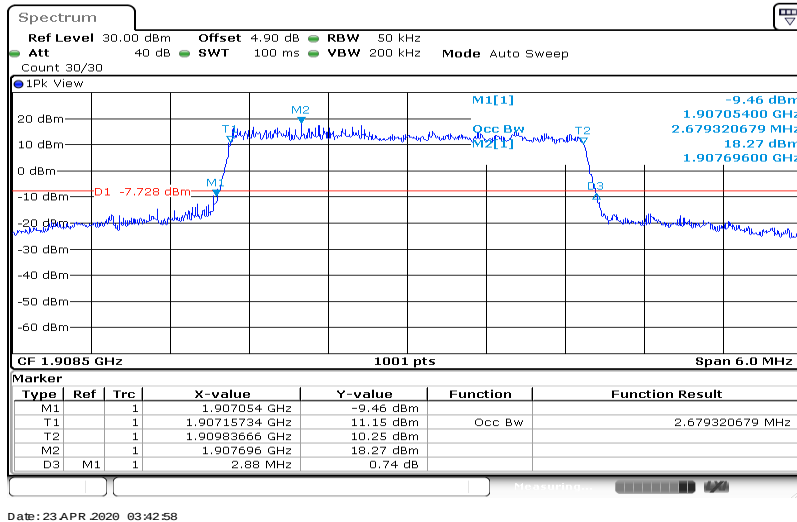


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-3MHz-16QAM-19185-15RB#0-2.679

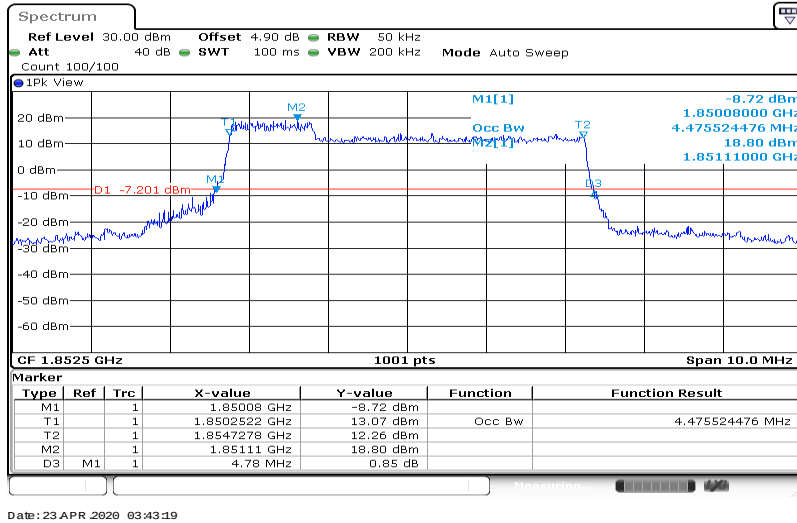


Band2-5MHz-QPSK-18625-25RB#0-4.476

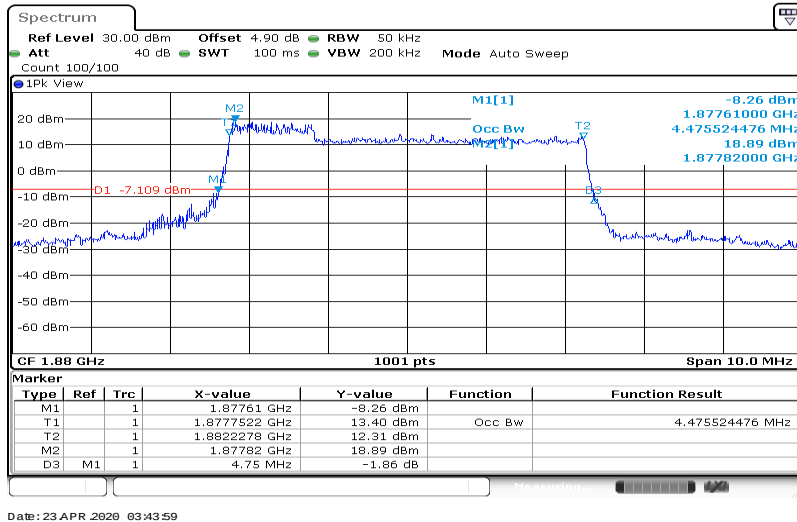


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band2-5MHz-QPSK-18900-25RB#0-4.476

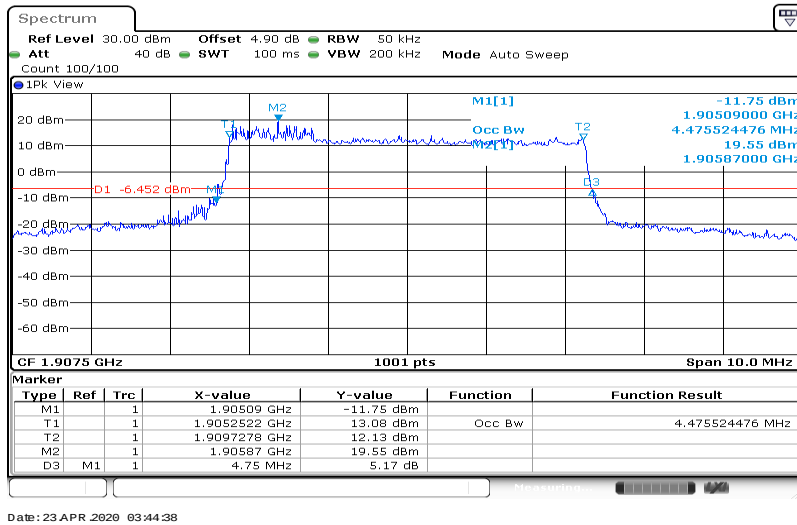


Band2-5MHz-QPSK-19175-25RB#0-4.476

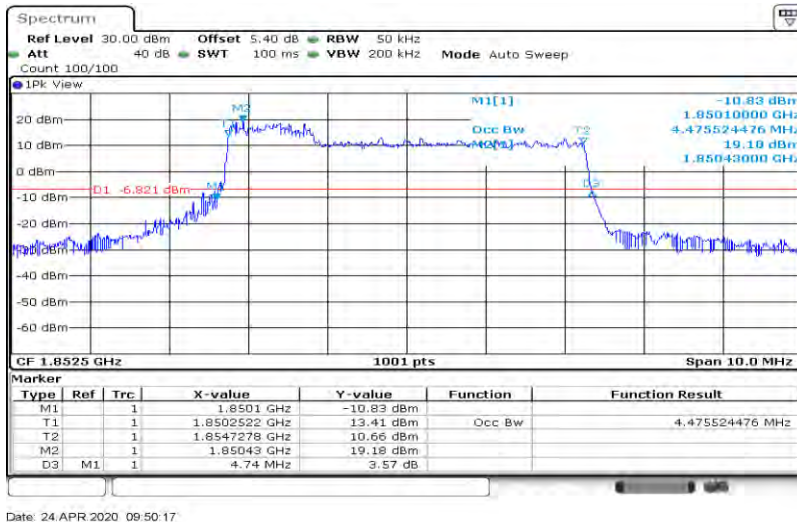


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

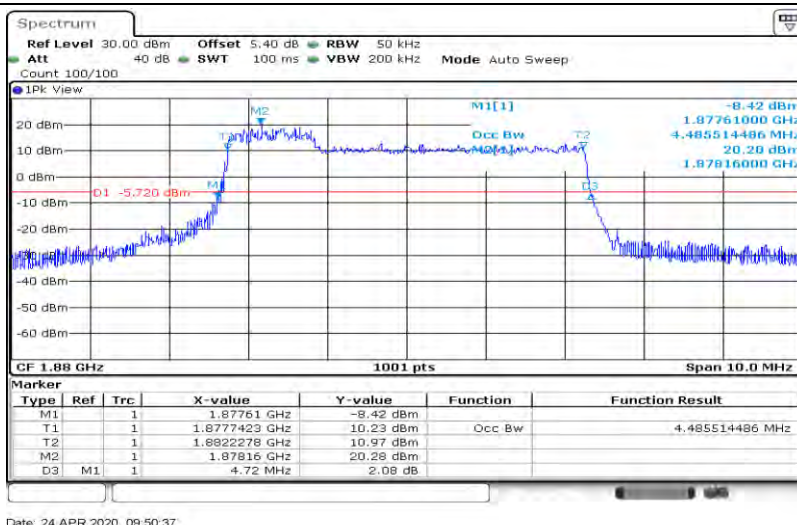


Band2-5MHz-64QAM-18625-25RB#0-4.476

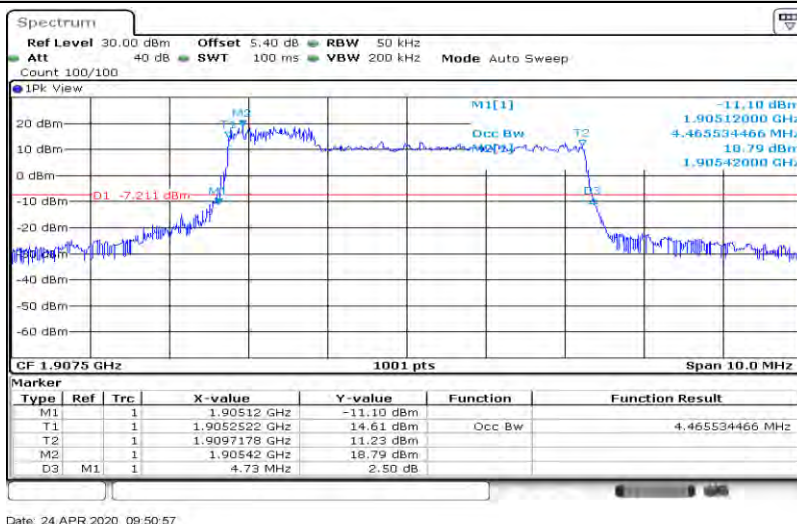


Band2-5MHz-64QAM-18900-25RB#0-4.486



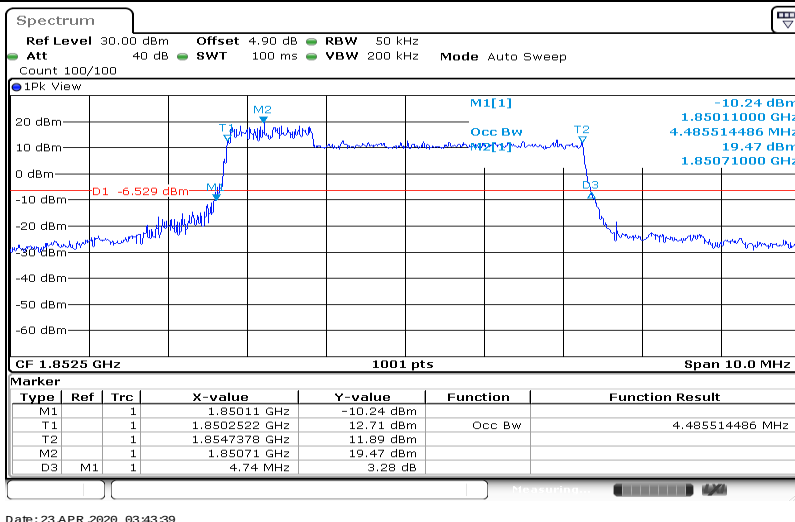


Band2-5MHz-64QAM-19175-25RB#0-4.466

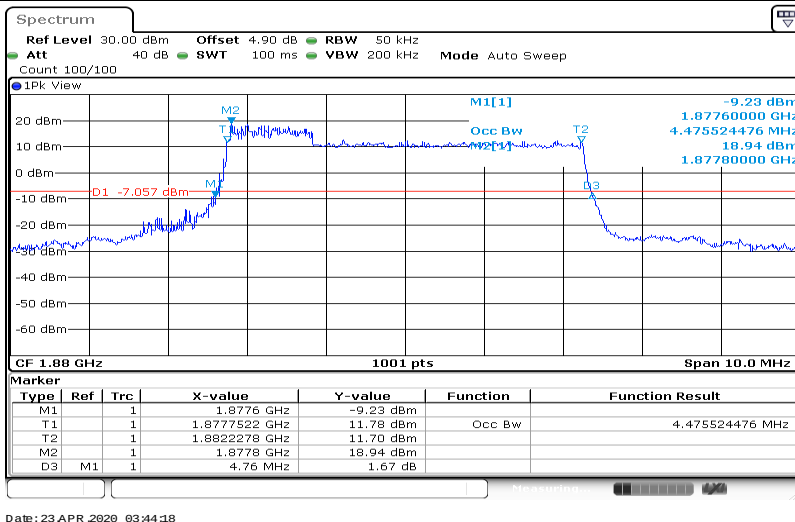


Band2-5MHz-16QAM-18625-25RB#0-4.486



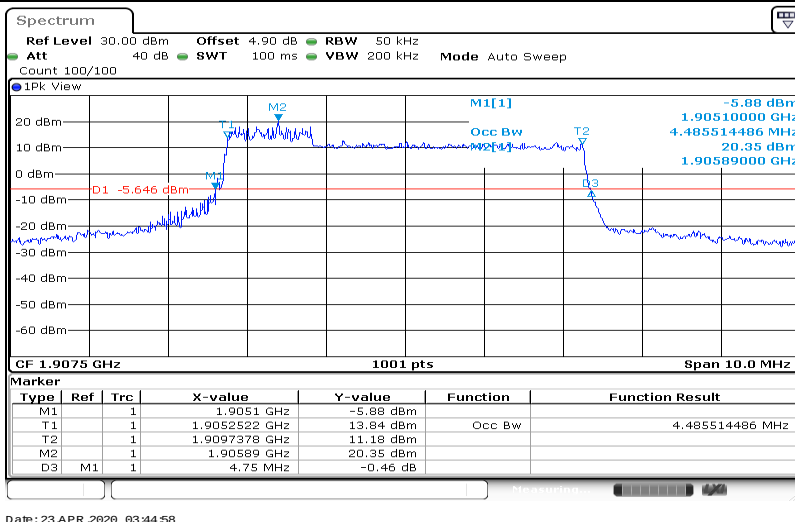


Band2-5MHz-16QAM-18900-25RB#0-4.476

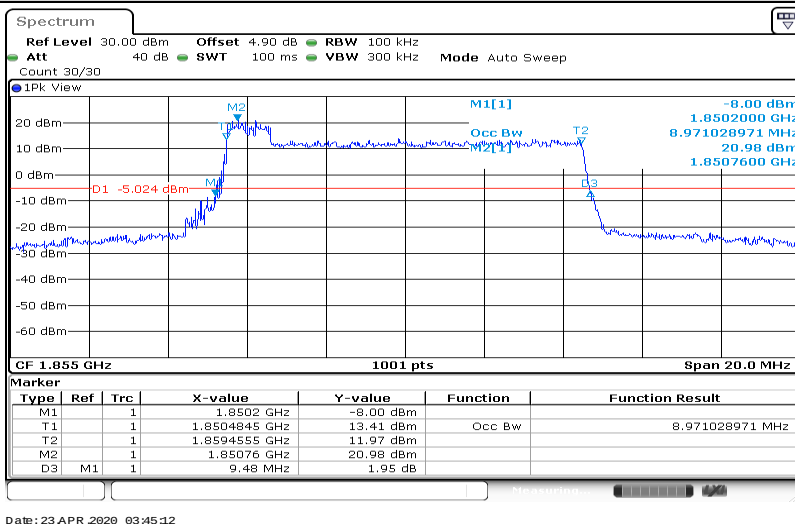


Band2-5MHz-16QAM-19175-25RB#0-4.486



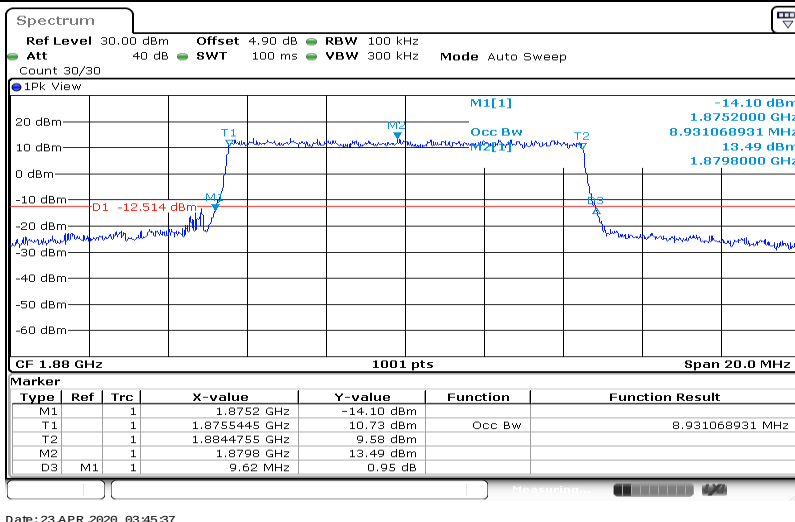


Band2-10MHz-QPSK-18650-50RB#0-8.971

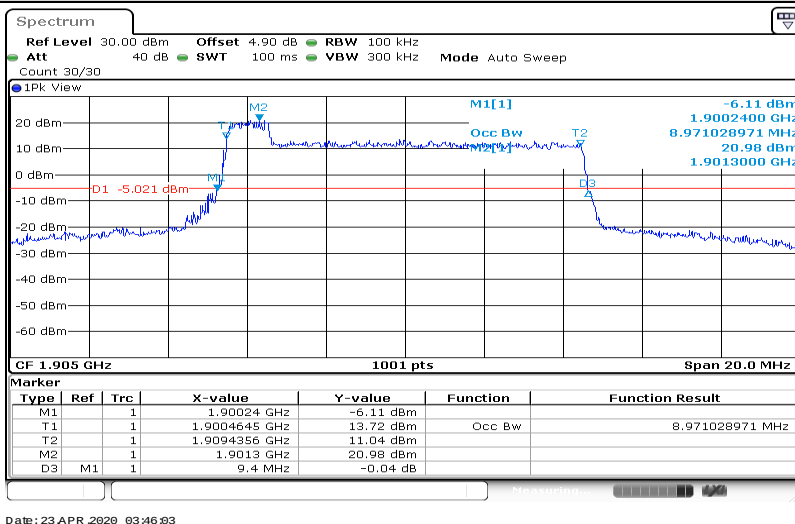


Band2-10MHz-QPSK-18900-50RB#0-8.931



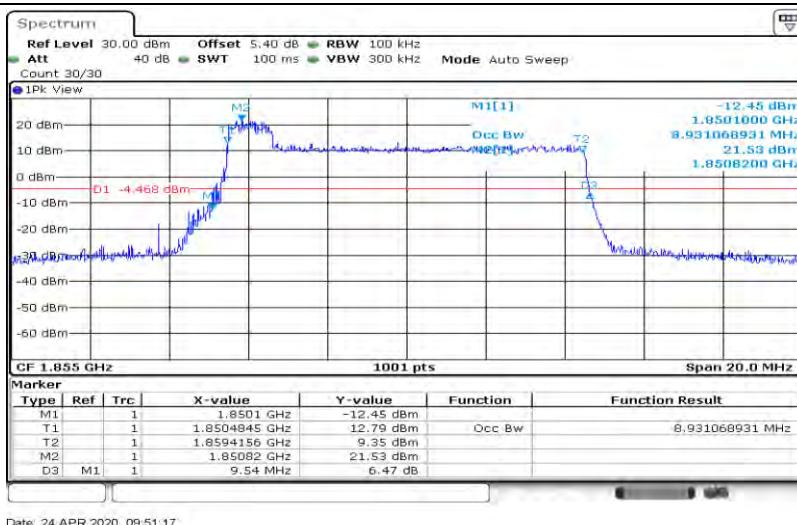


Band2-10MHz-QPSK-19150-50RB#0-8.971

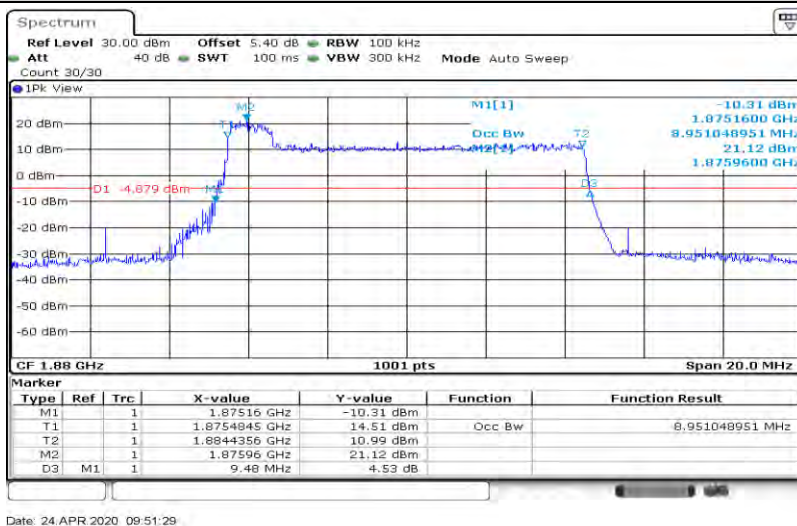


Band2-10MHz-64QAM-18650-50RB#0-8.931



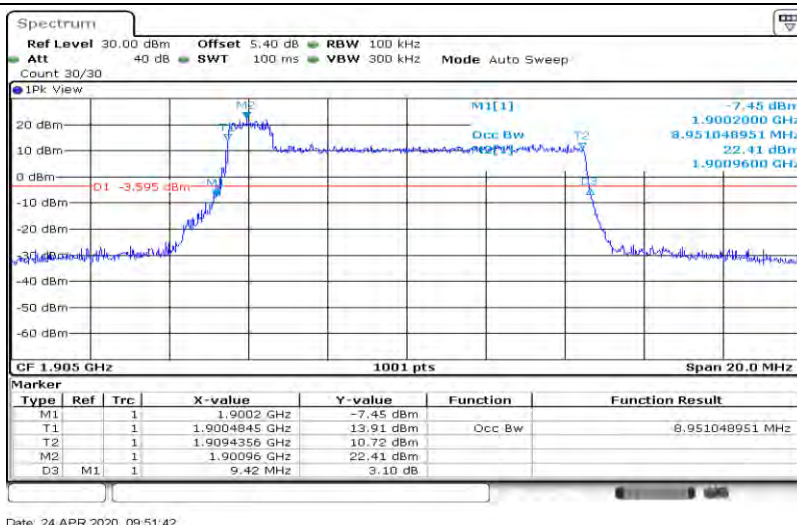


Band2-10MHz-64QAM-18900-50RB#0-8.951

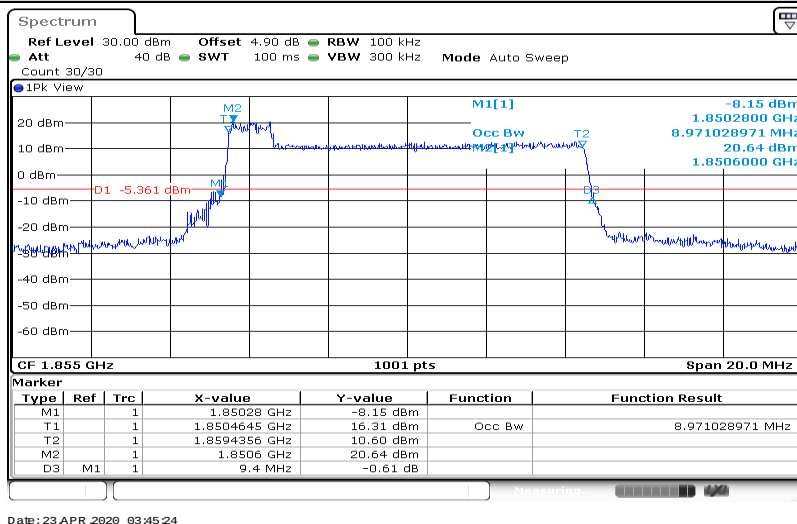


Band2-10MHz-64QAM-19150-50RB#0-8.951



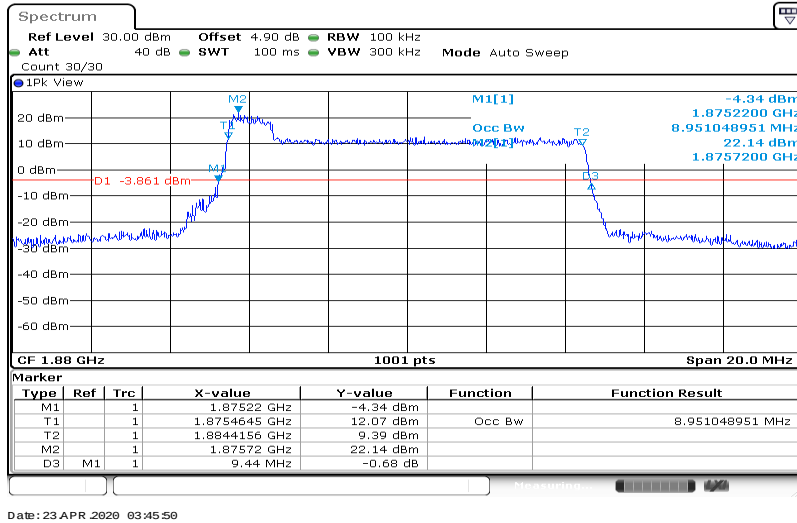


Band2-10MHz-16QAM-18650-50RB#0-8.971

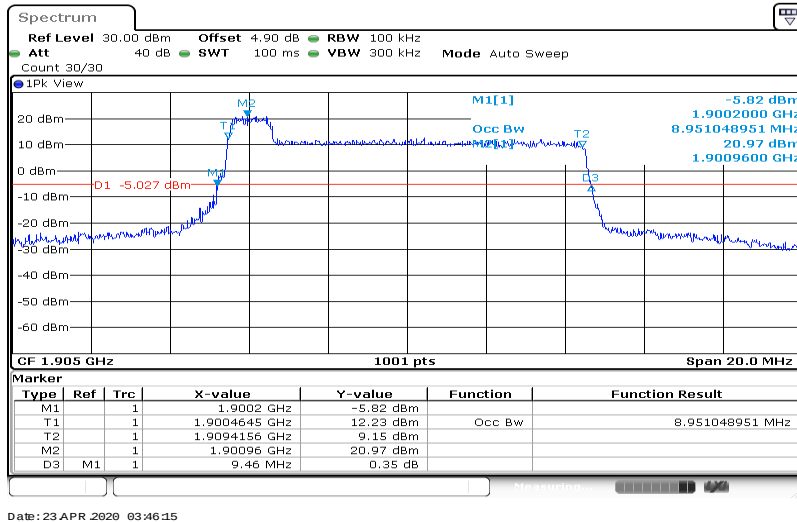


Band2-10MHz-16QAM-18900-50RB#0-8.951





Band2-10MHz-16QAM-19150-50RB#0-8.951

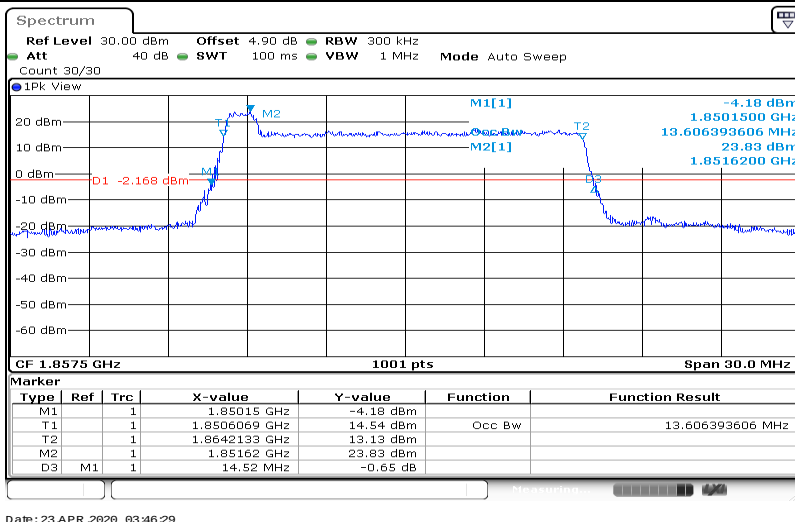


Band2-15MHz-QPSK-18675-75RB#0-13.606

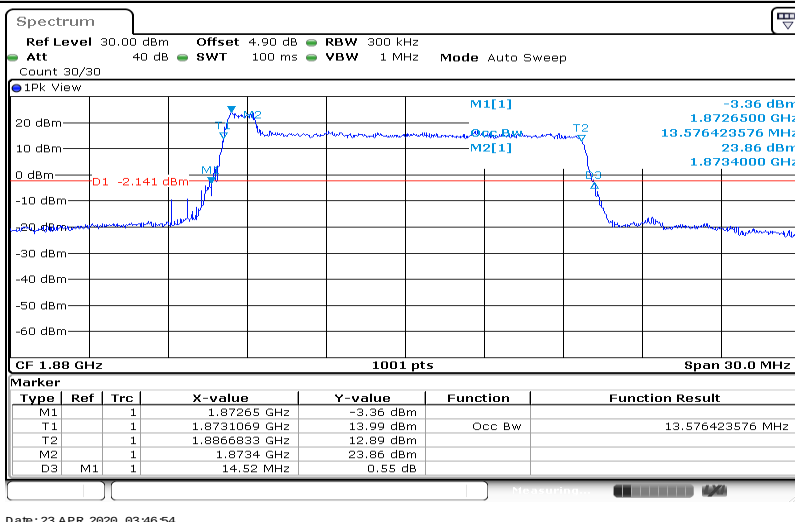


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

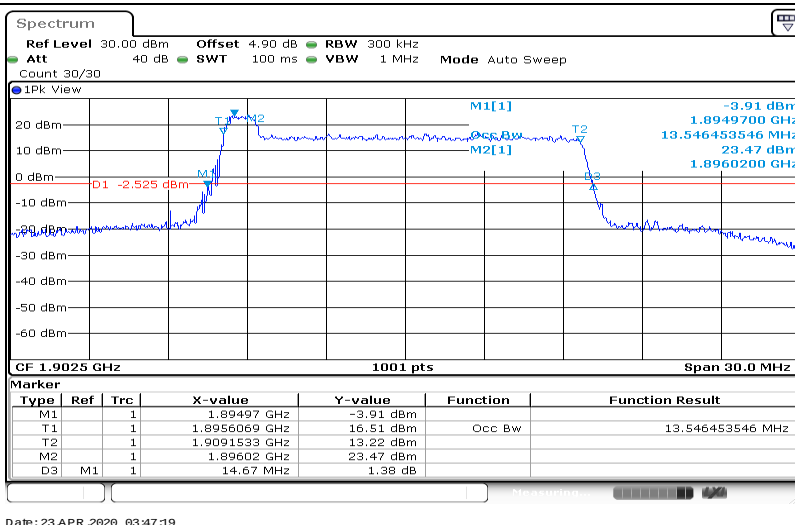


Band2-15MHz-QPSK-18900-75RB#0-13.576

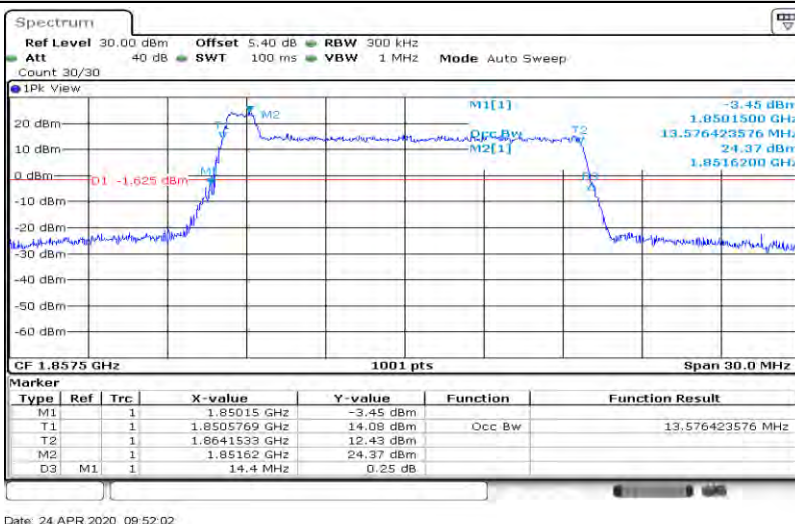


Band2-15MHz-QPSK-19125-75RB#0-13.546



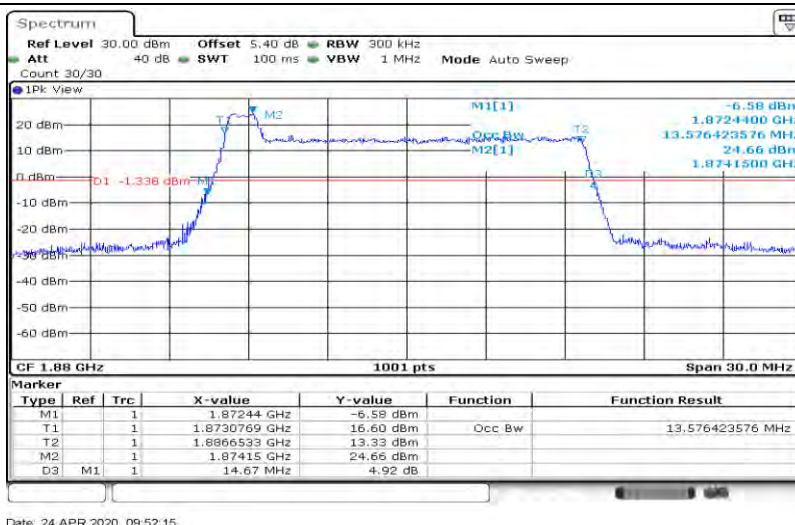


Band2-15MHz-64QAM-18675-75RB#0-13.576



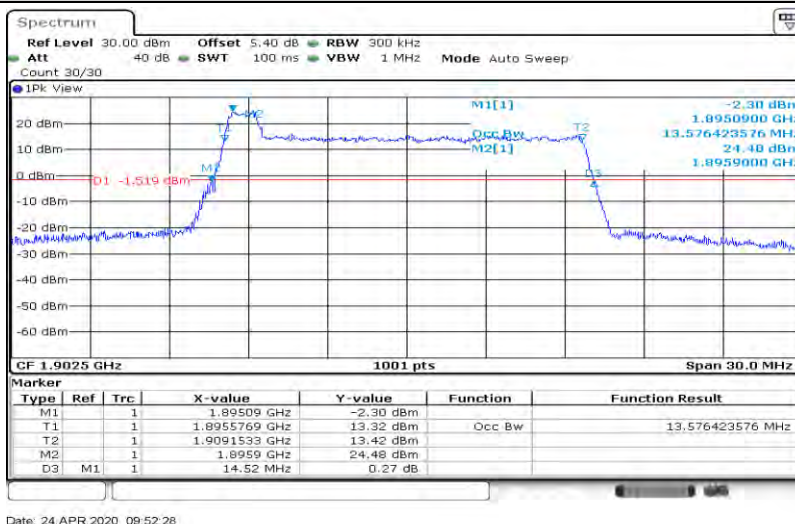
Band2-15MHz-64QAM-18900-75RB#0-13.576





Date: 24 APR 2020 09:52:15

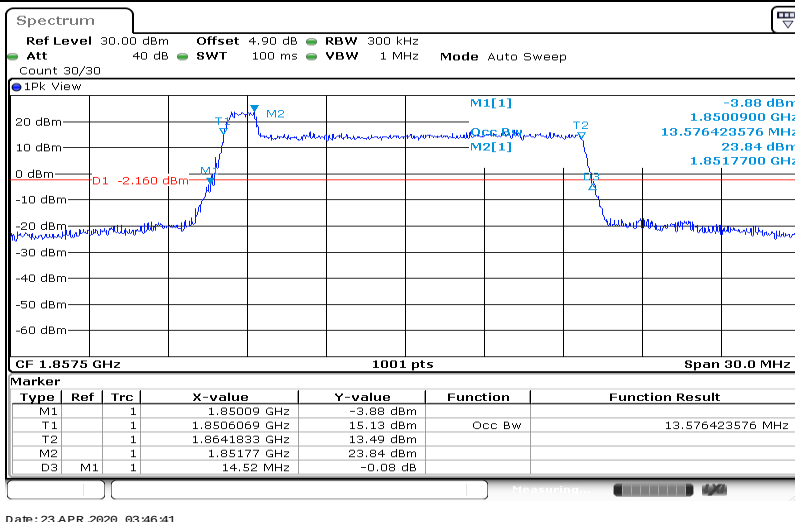
Band2-15MHz-64QAM-19125-75RB#0-13.576



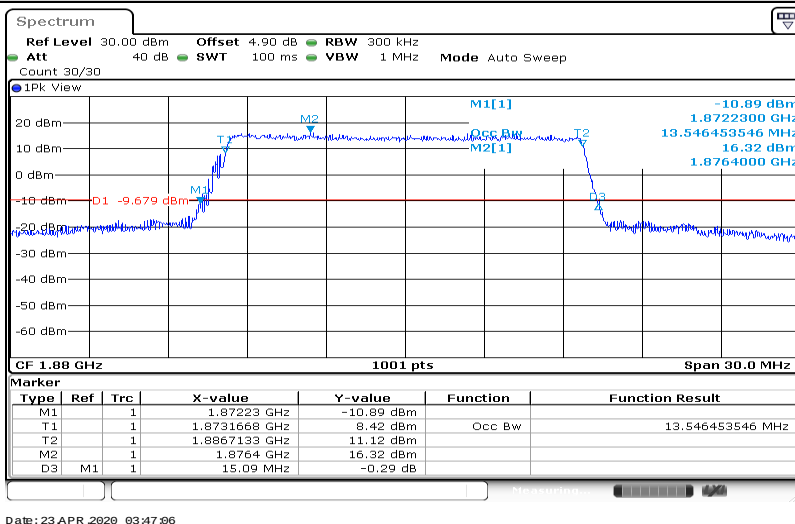
Date: 24 APR 2020 09:52:28

Band2-15MHz-16QAM-18675-75RB#0-13.576



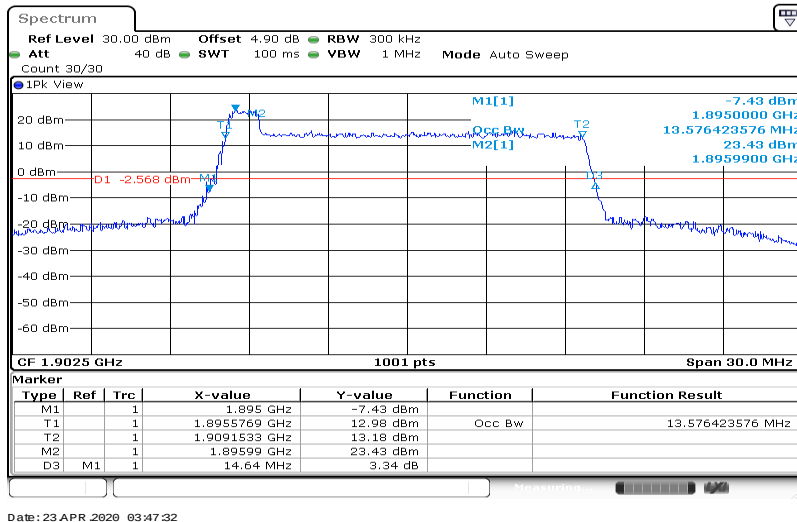


Band2-15MHz-16QAM-18900-75RB#0-13.546

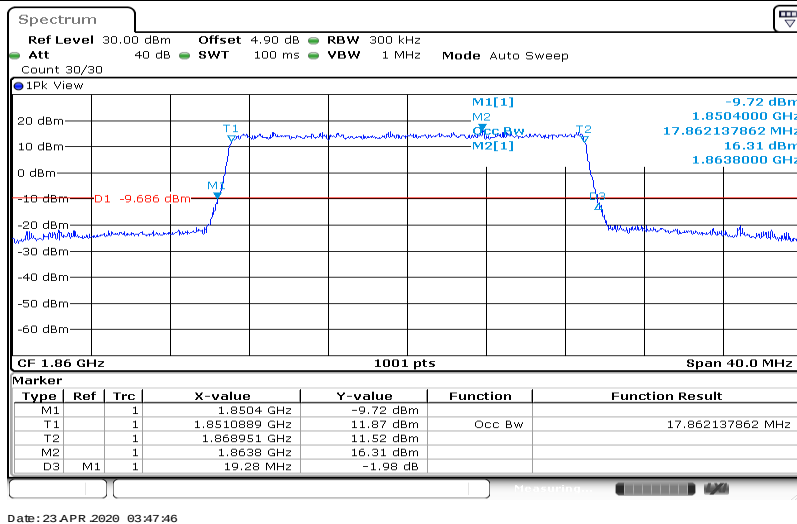


Band2-15MHz-16QAM-19125-75RB#0-13.576





Band2-20MHz-QPSK-18700-100RB#0-17.862

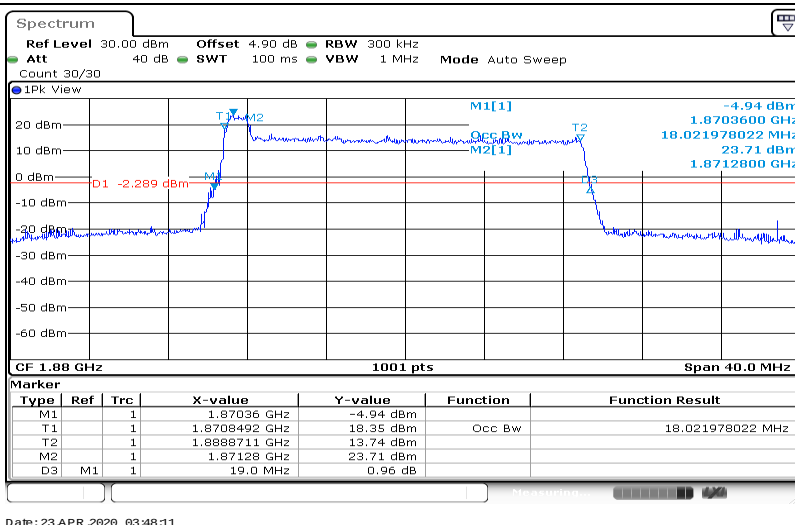


Band2-20MHz-QPSK-18900-100RB#0-18.022

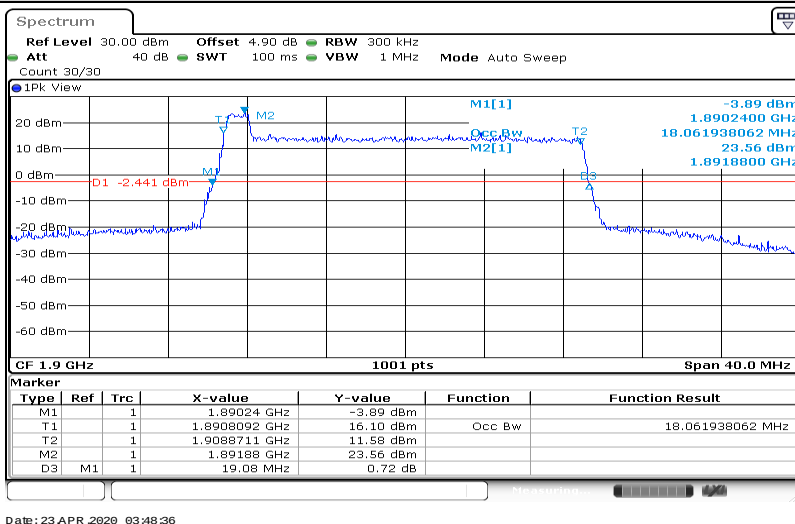


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

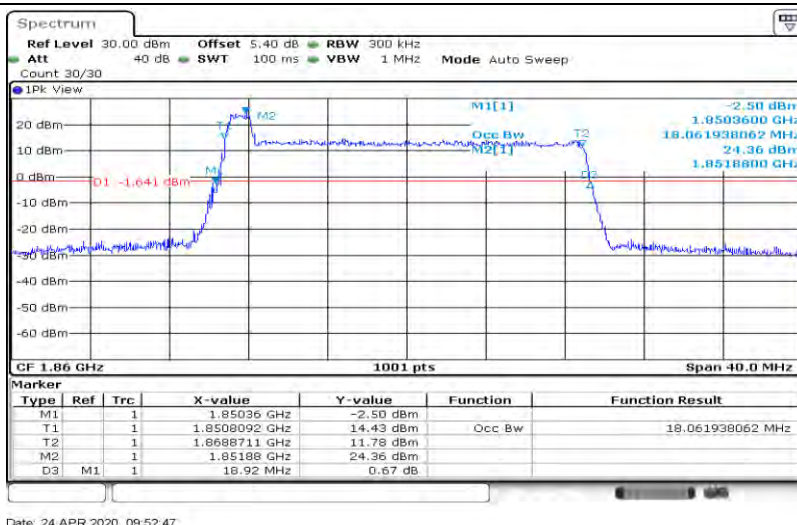


Band2-20MHz-QPSK-19100-100RB#0-18.062

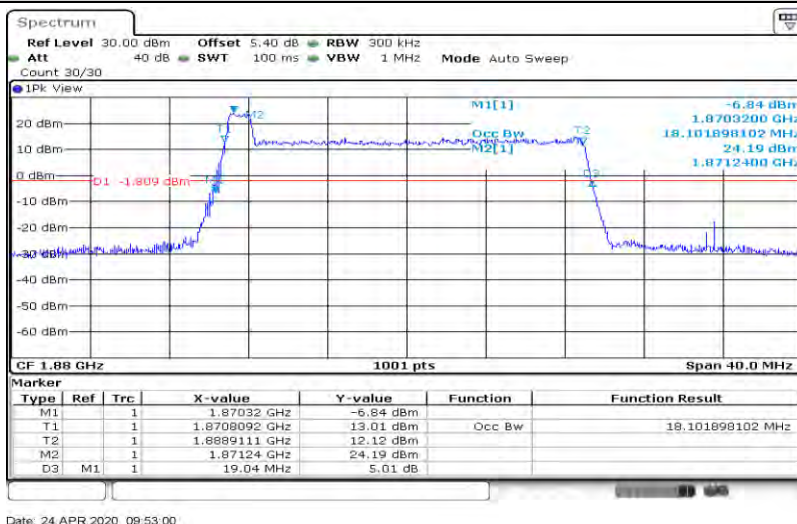


Band2-20MHz-64QAM-18700-100RB#0-18.062



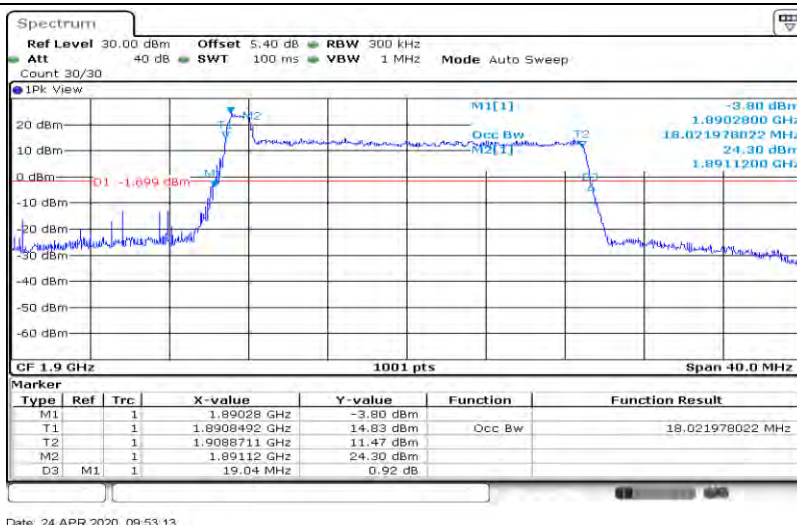


Band2-20MHz-64QAM-18900-100RB#0-18.102

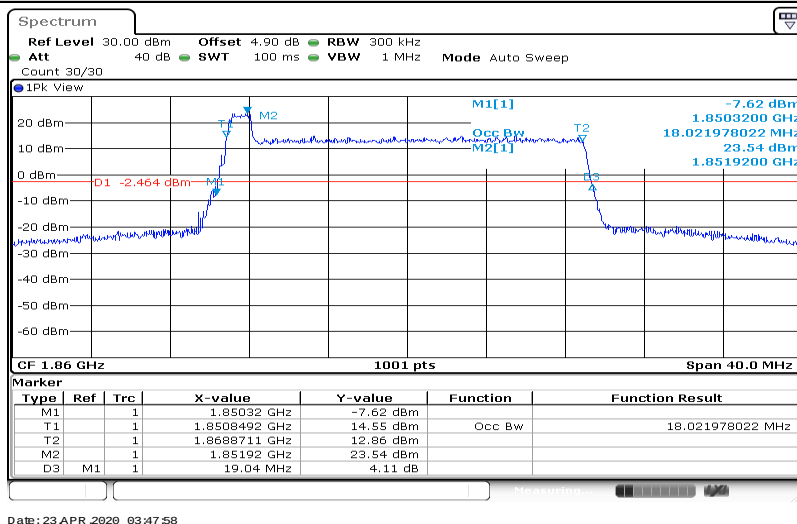


Band2-20MHz-64QAM-19100-100RB#0-18.022



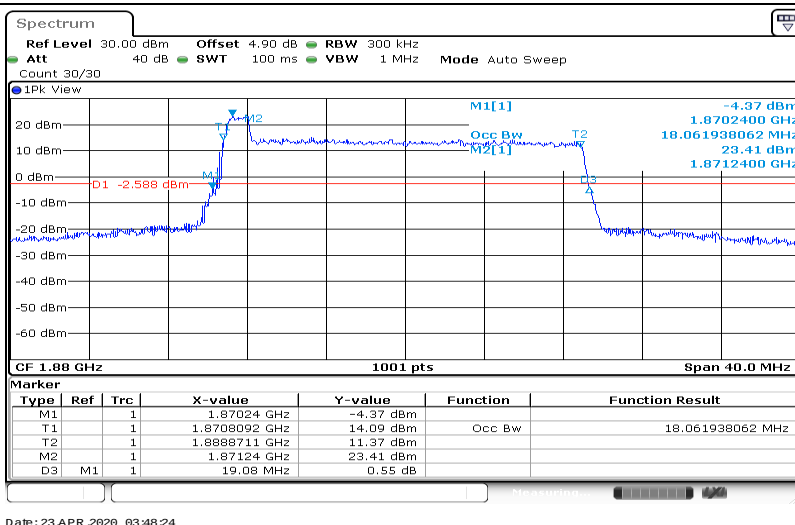


Band2-20MHz-16QAM-18700-100RB#0-18.022

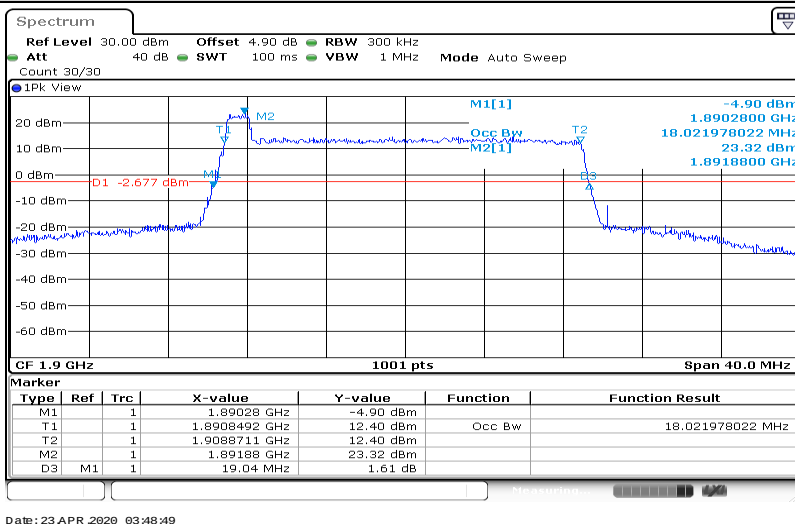


Band2-20MHz-16QAM-18900-100RB#0-18.062





Band2-20MHz-16QAM-19100-100RB#0-18.022



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



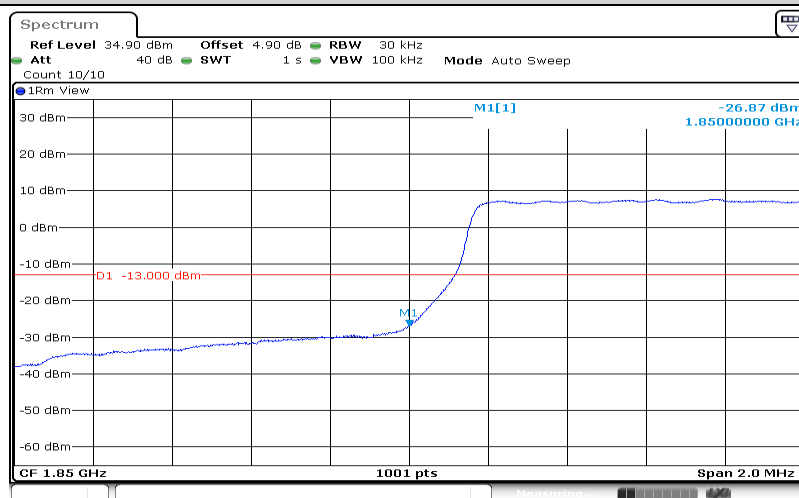
5. Band Edge Compliance

5.1. Test Plots

Band2-1.4MHz-QPSK-18607-1RB#0



Band2-1.4MHz-QPSK-18607-6RB#0

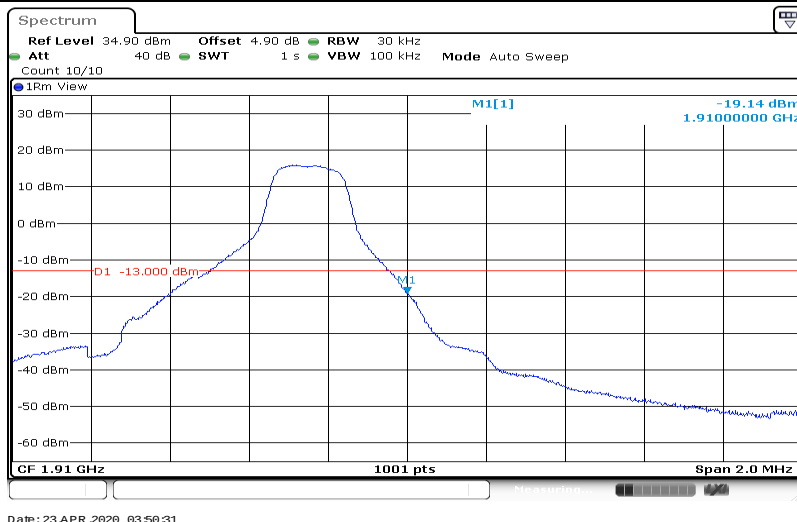


Band2-1.4MHz-QPSK-19193-1RB#5



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

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



Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-64QAM-18607-1RB#0



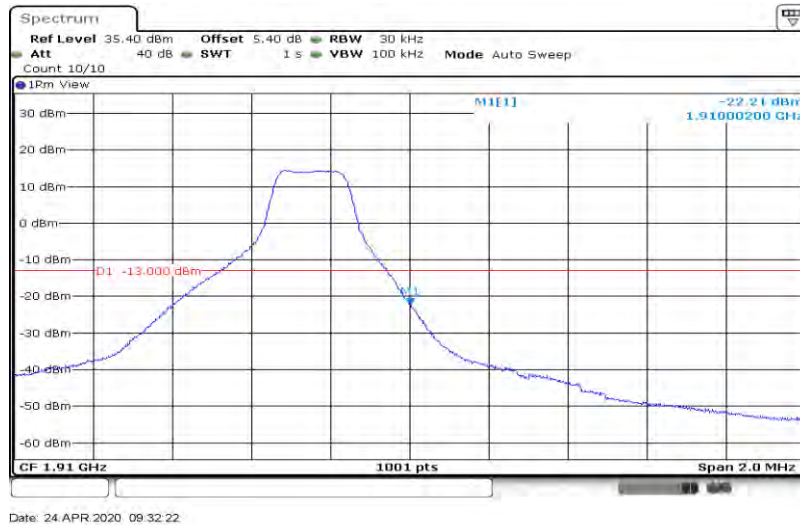


Band2-1.4MHz-64QAM-18607-6RB#0



Band2-1.4MHz-64QAM-19193-1RB#5



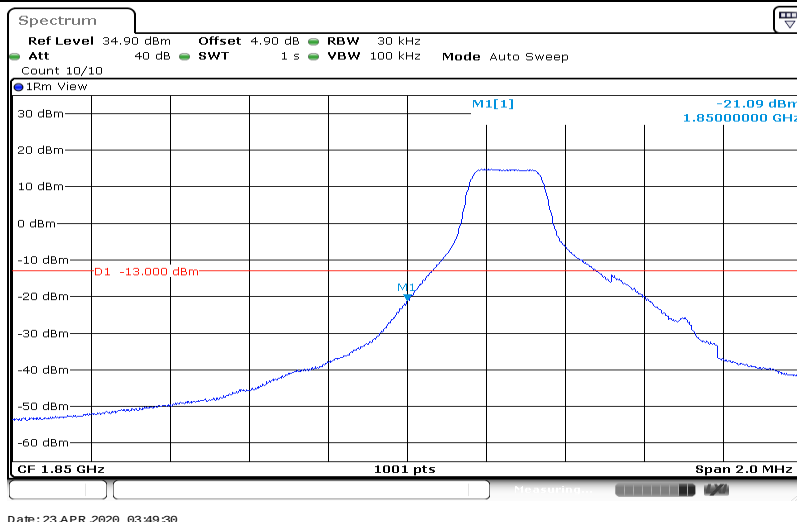


Band2-1.4MHz-64QAM-19193-6RB#0

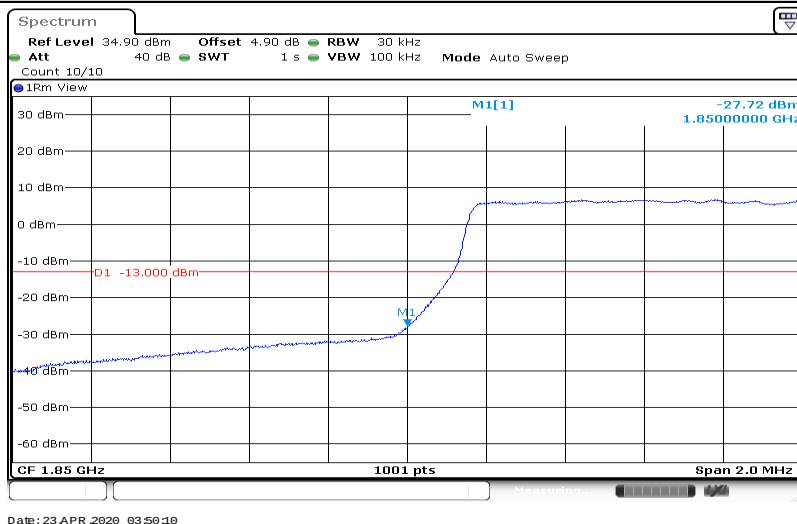


Band2-1.4MHz-16QAM-18607-1RB#0



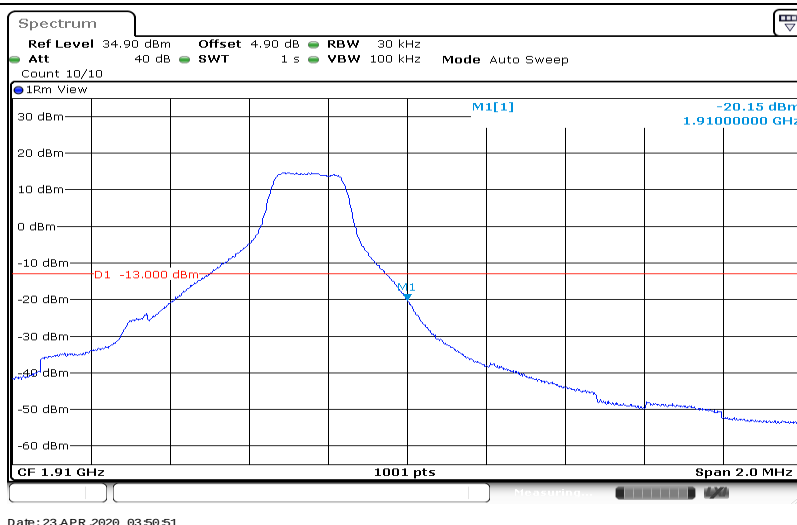


Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#5



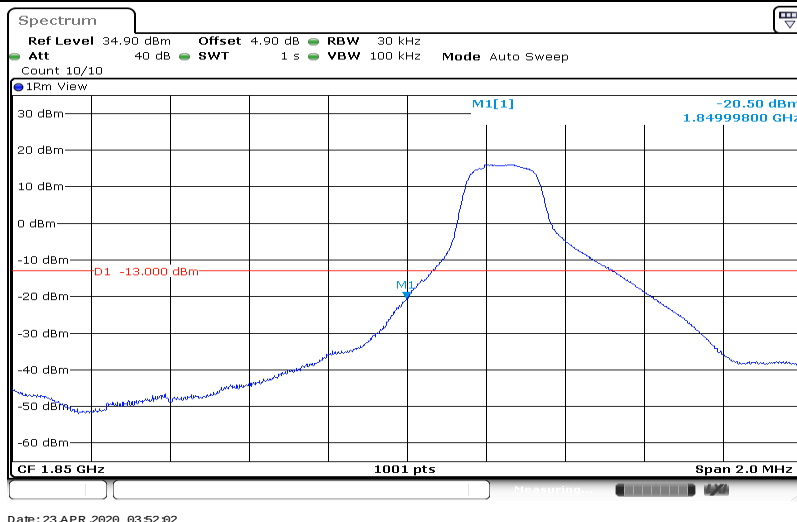


Band2-1.4MHz-16QAM-19193-6RB#0

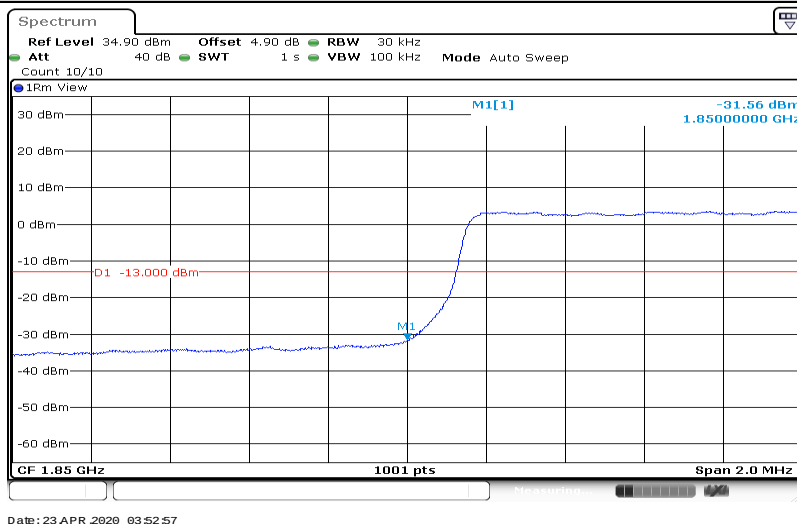


Band2-3MHz-QPSK-18615-1RB#0





Band2-3MHz-QPSK-18615-15RB#0

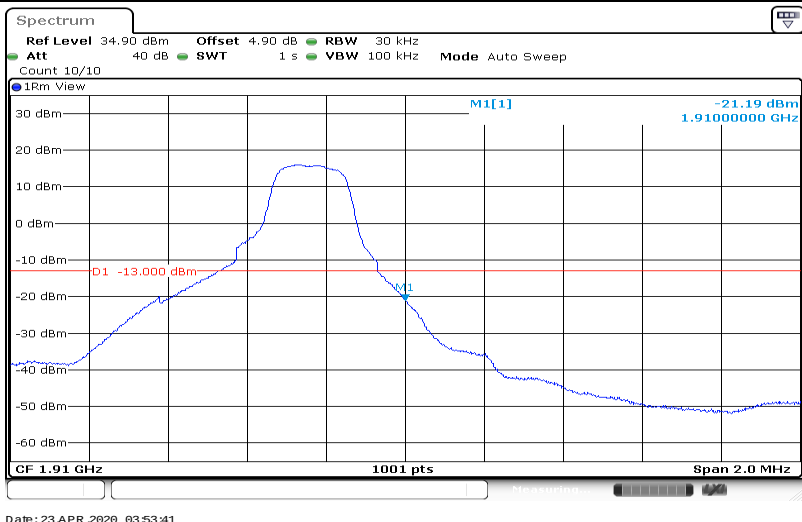


Band2-3MHz-QPSK-19185-1RB#14



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



Band2-3MHz-QPSK-19185-15RB#0



Band2-3MHz-64QAM-18615-1RB#0





Band2-3MHz-64QAM-18615-15RB#0



Band2-3MHz-64QAM-19185-1RB#14



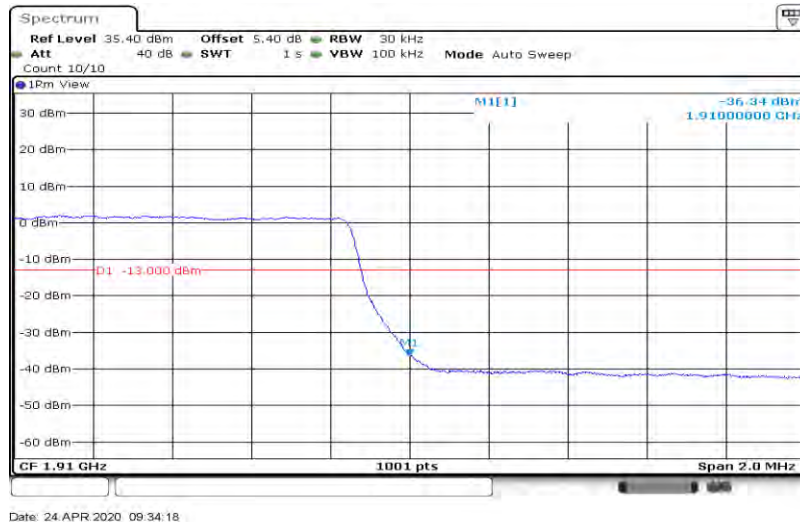
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band2-3MHz-64QAM-19185-15RB#0

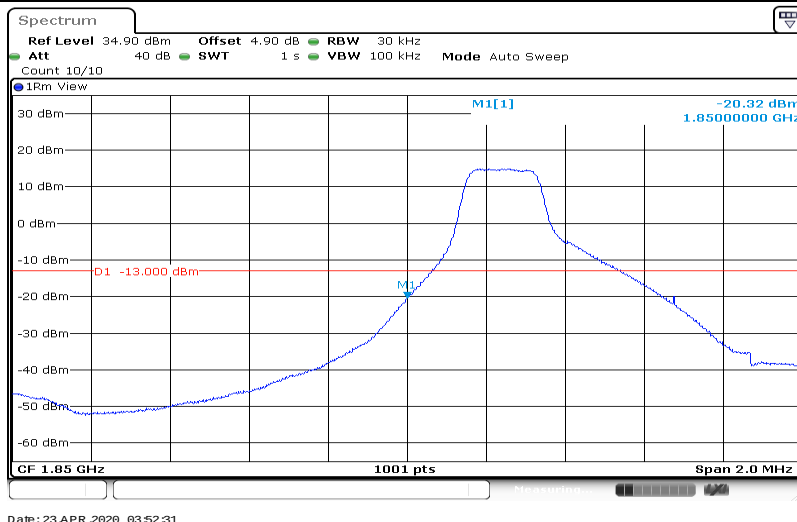


Band2-3MHz-16QAM-18615-1RB#0

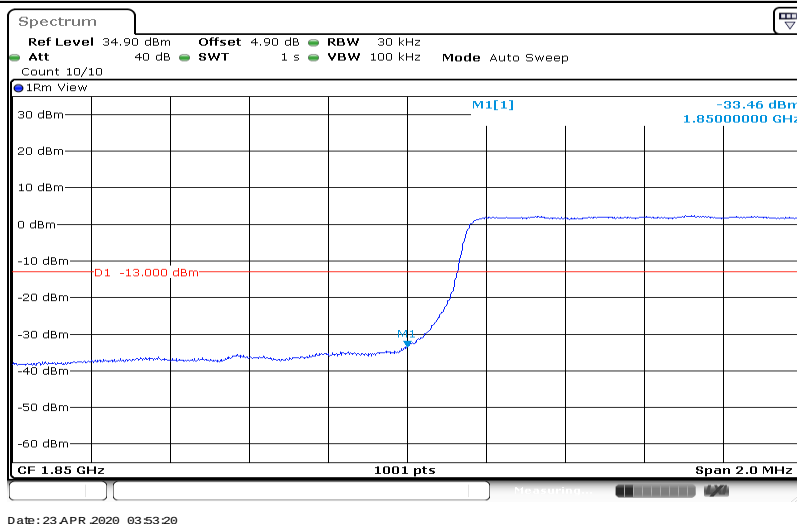


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-19185-1RB#14





Band2-3MHz-16QAM-19185-15RB#0



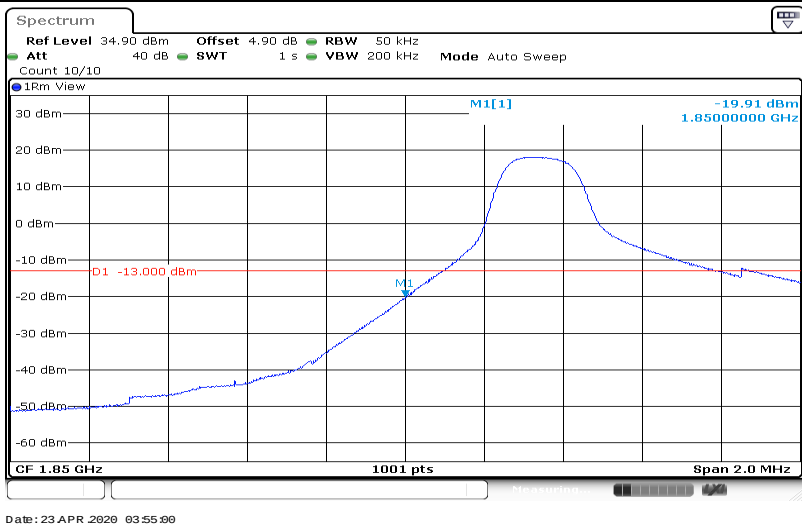
Band2-5MHz-QPSK-18625-1RB#0



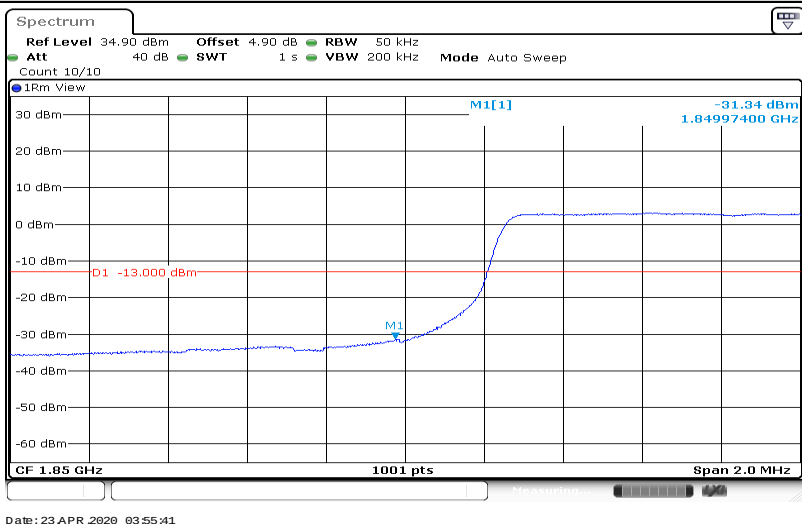
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band2-5MHz-QPSK-18625-25RB#0

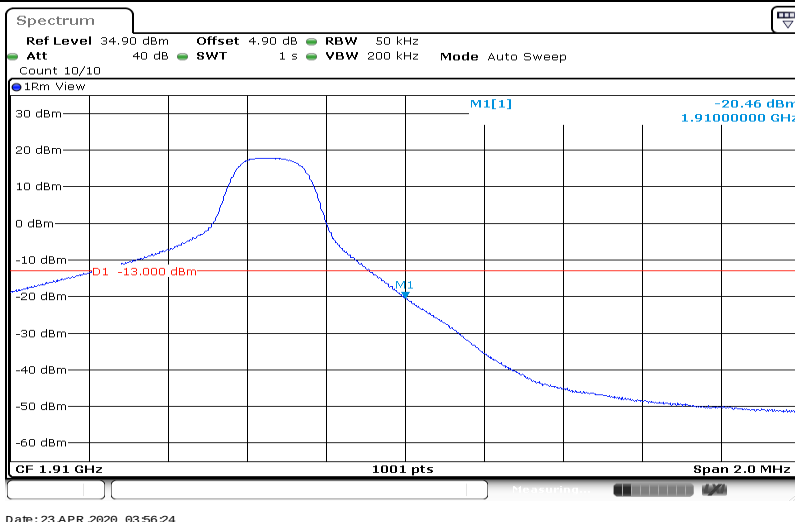


Band2-5MHz-QPSK-19175-1RB#24



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

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



Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-64QAM-18625-1RB#0



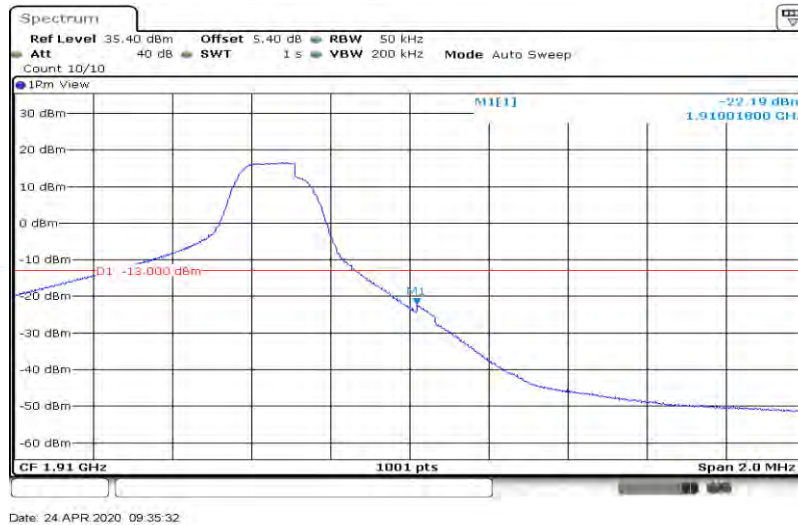


Band2-5MHz-64QAM-18625-25RB#0



Band2-5MHz-64QAM-19175-1RB#24





Band2-5MHz-64QAM-19175-25RB#0



Band2-5MHz-16QAM-18625-1RB#0



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

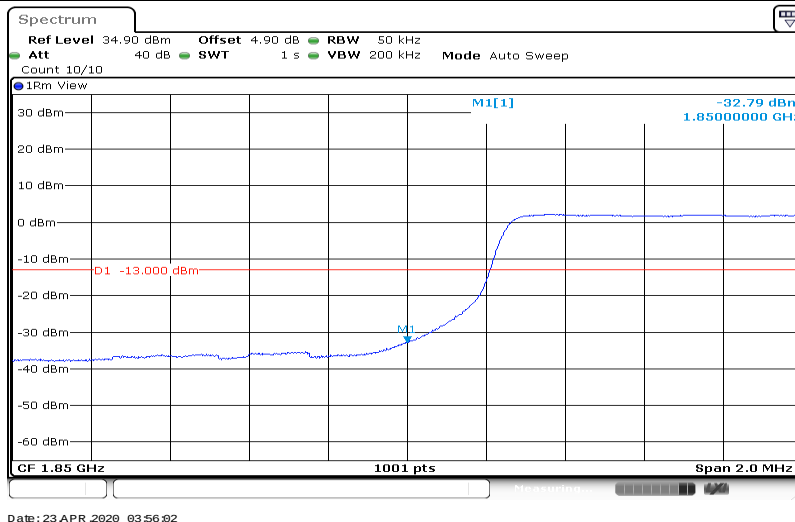
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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



Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-19175-1RB#24

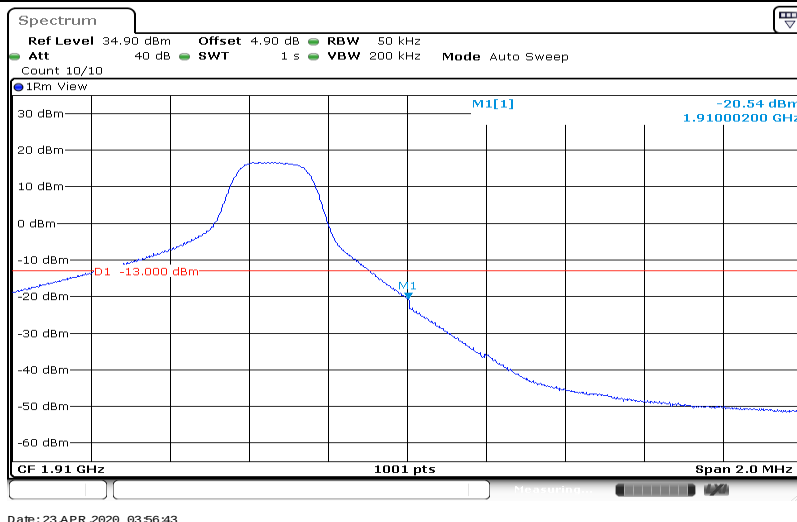


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

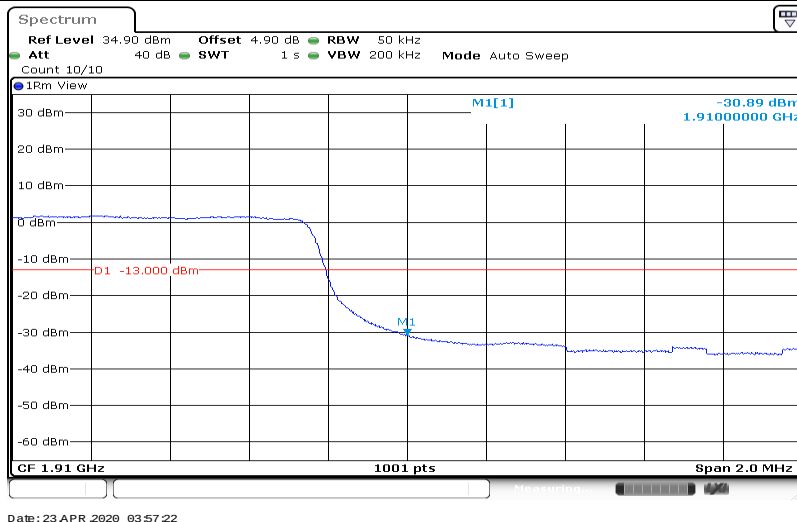
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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



Band2-5MHz-16QAM-19175-25RB#0

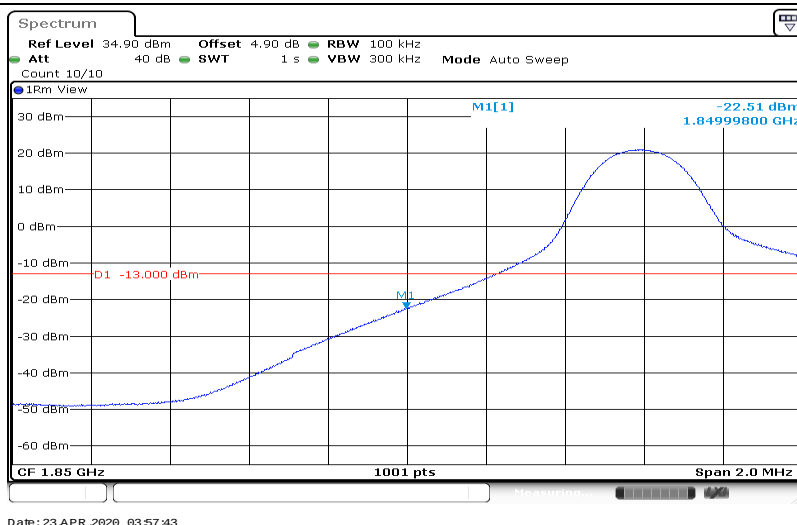


Band2-10MHz-QPSK-18650-1RB#0

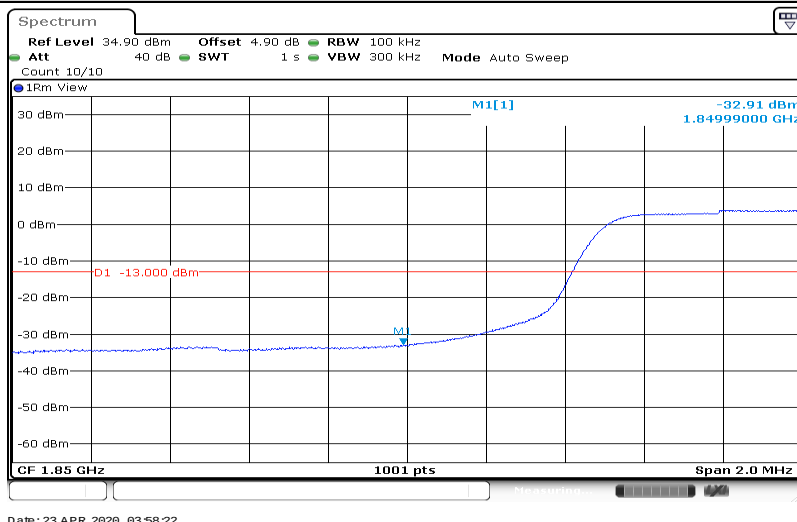


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-10MHz-QPSK-18650-50RB#0

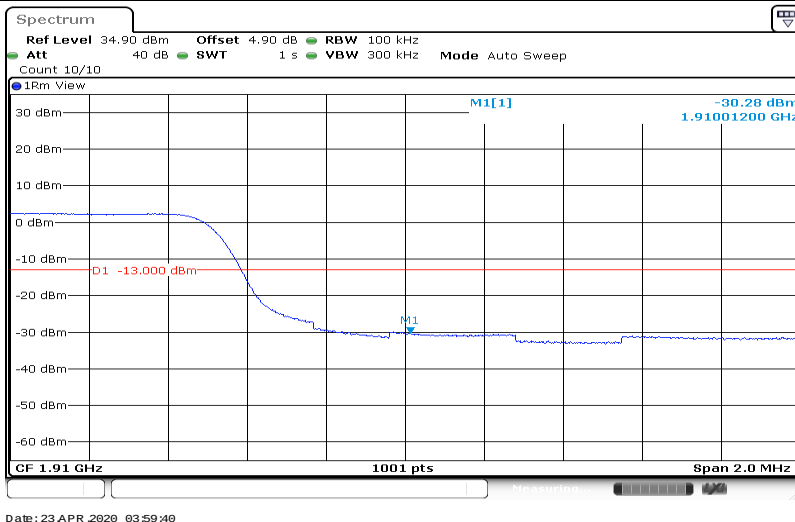


Band2-10MHz-QPSK-19150-1RB#49





Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-64QAM-18650-1RB#0





Band2-10MHz-64QAM-18650-50RB#0



Band2-10MHz-64QAM-19150-1RB#49





Band2-10MHz-64QAM-19150-50RB#0



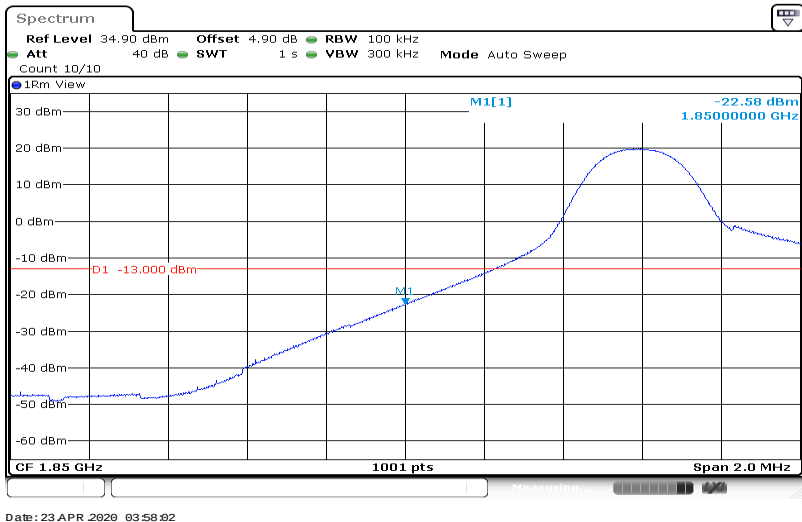
Band2-10MHz-16QAM-18650-1RB#0



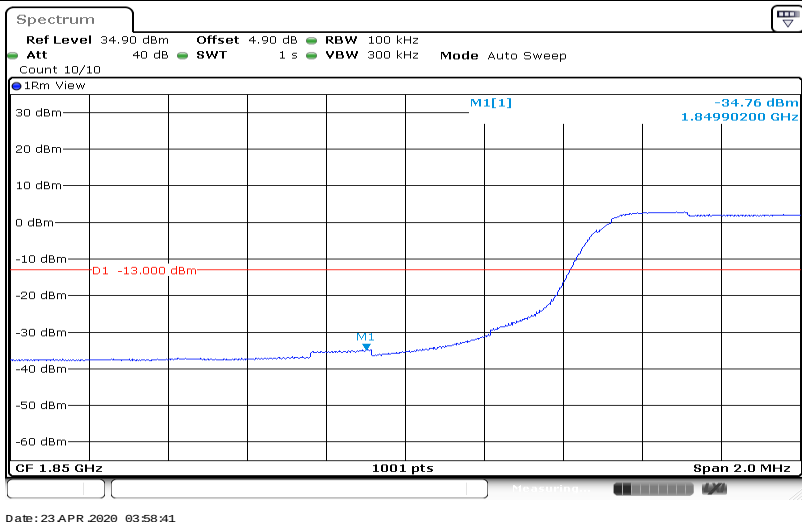
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-19150-1RB#49



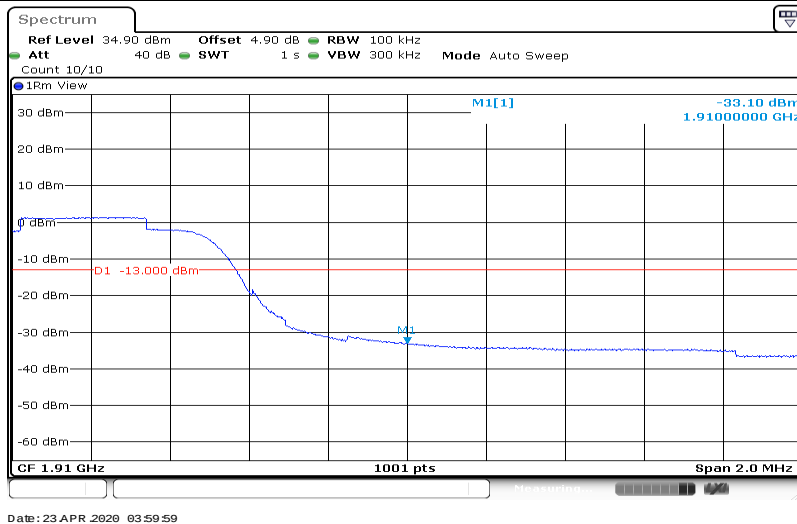
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band2-10MHz-16QAM-19150-50RB#0

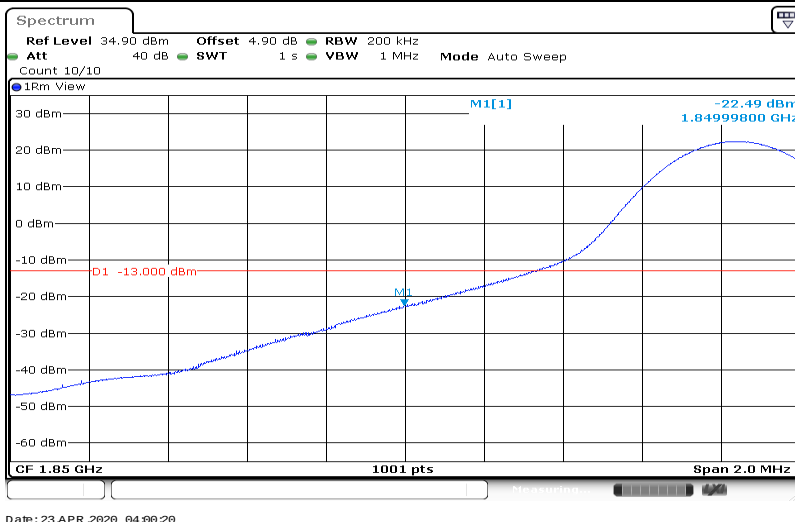


Band2-15MHz-QPSK-18675-1RB#0

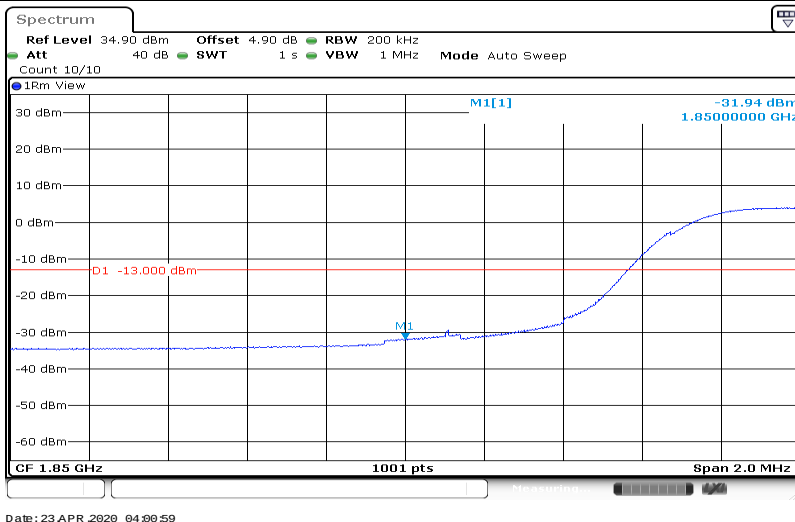


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

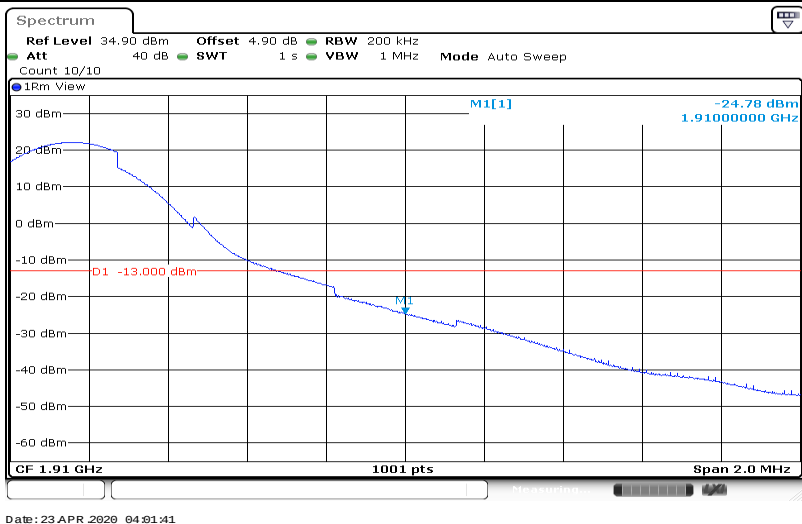


Band2-15MHz-QPSK-18675-75RB#0

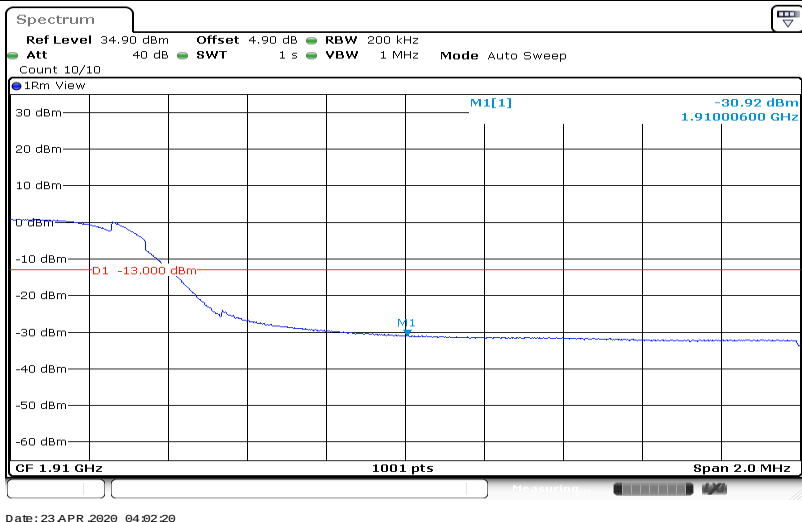


Band2-15MHz-QPSK-19125-1RB#74





Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-64QAM-18675-1RB#0



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

Attention: 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



Date: 24 APR 2020 09:37:54

Band2-15MHz-64QAM-18675-75RB#0



Date: 24 APR 2020 09:38:14

Band2-15MHz-64QAM-19125-1RB#74



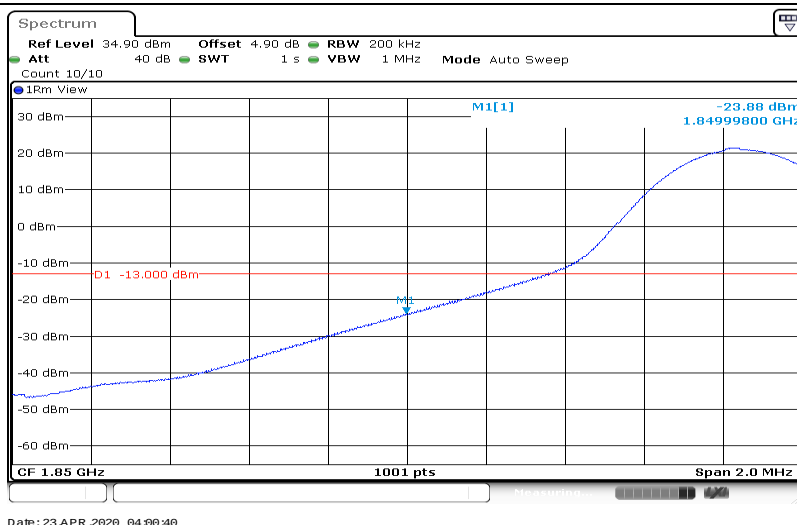


Band2-15MHz-64QAM-19125-75RB#0



Band2-15MHz-16QAM-18675-1RB#0





Band2-15MHz-16QAM-18675-75RB#0



Band2-15MHz-16QAM-19125-1RB#74





Band2-15MHz-16QAM-19125-75RB#0

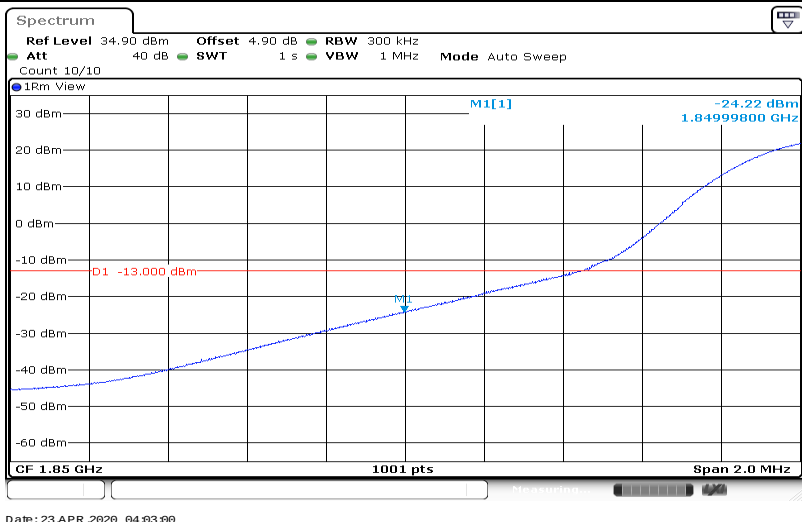


Band2-20MHz-QPSK-18700-1RB#0

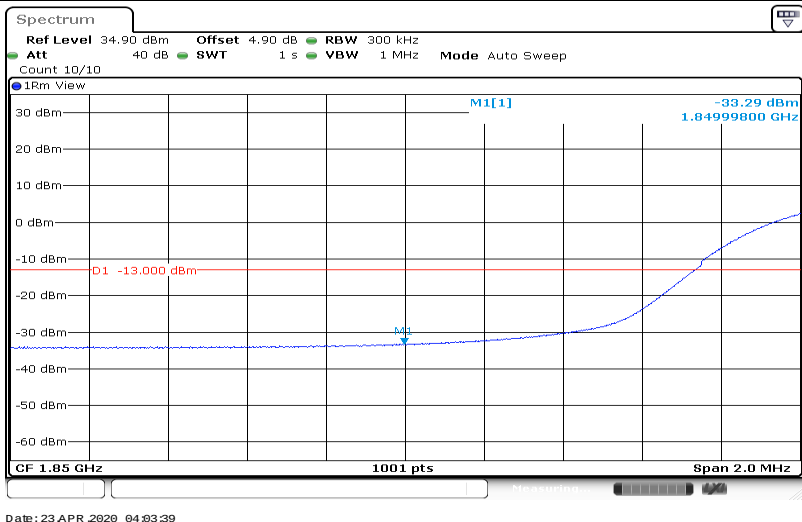


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-20MHz-QPSK-18700-100RB#0

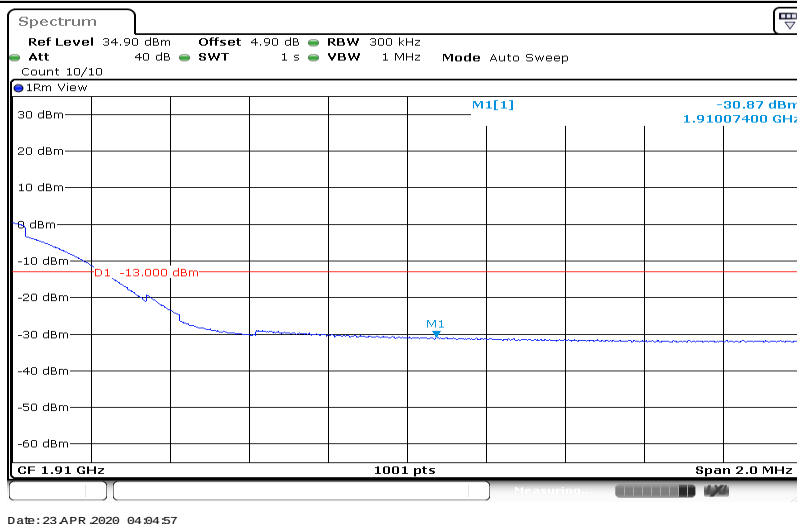


Band2-20MHz-QPSK-19100-1RB#99





Band2-20MHz-QPSK-19100-100RB#0

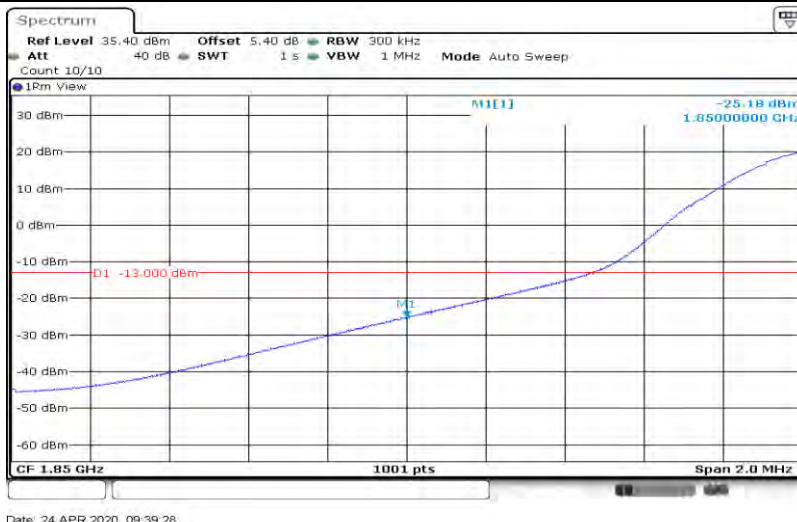


Band2-20MHz-64QAM-18700-1RB#0



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

Attention: 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



Band2-20MHz-64QAM-18700-100RB#0



Band2-20MHz-64QAM-19100-1RB#99

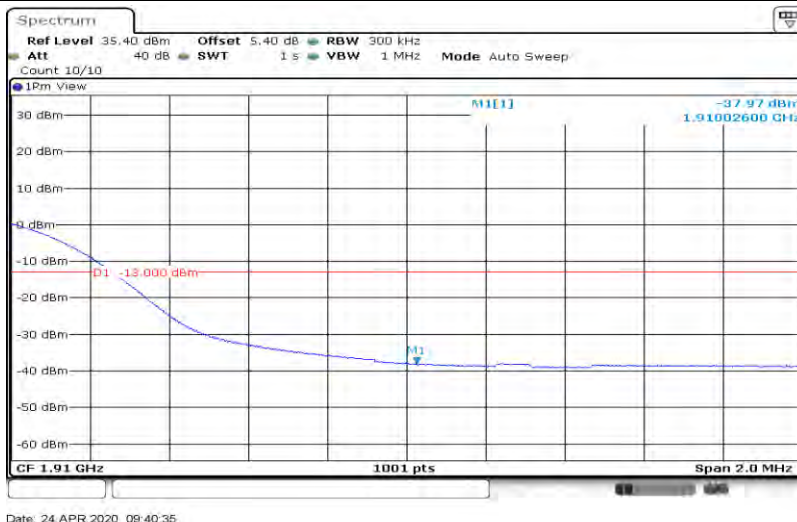


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

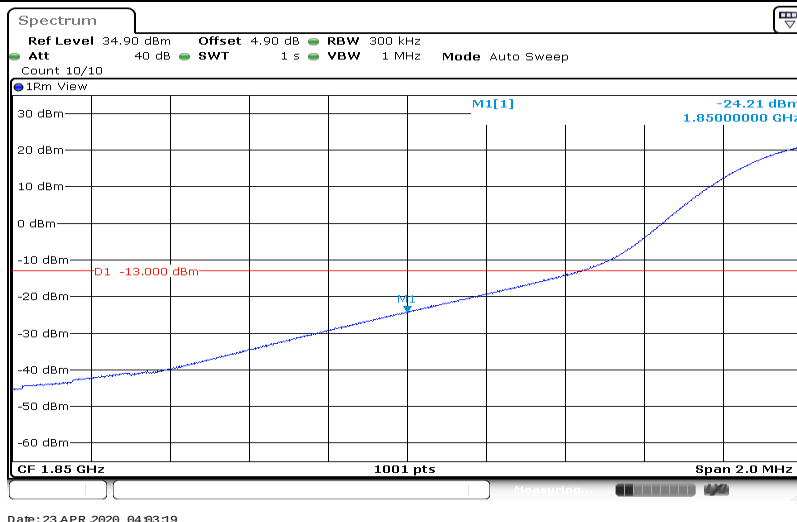


Band2-20MHz-64QAM-19100-100RB#0



Band2-20MHz-16QAM-18700-1RB#0



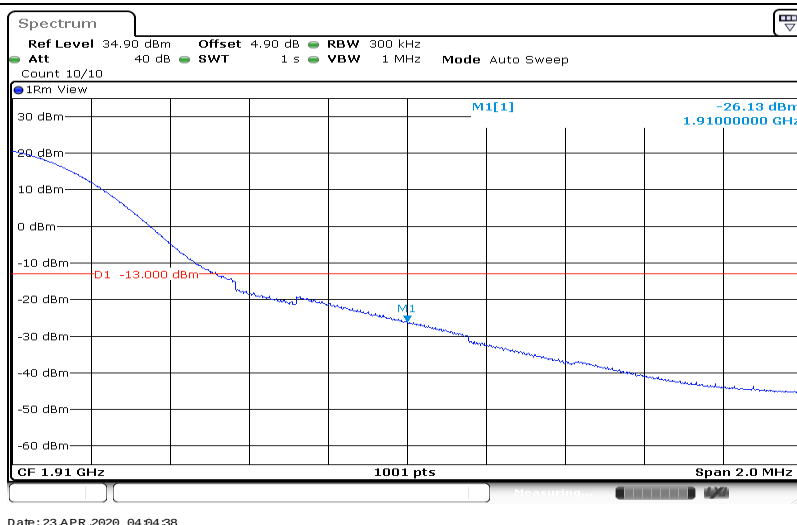


Band2-20MHz-16QAM-18700-100RB#0

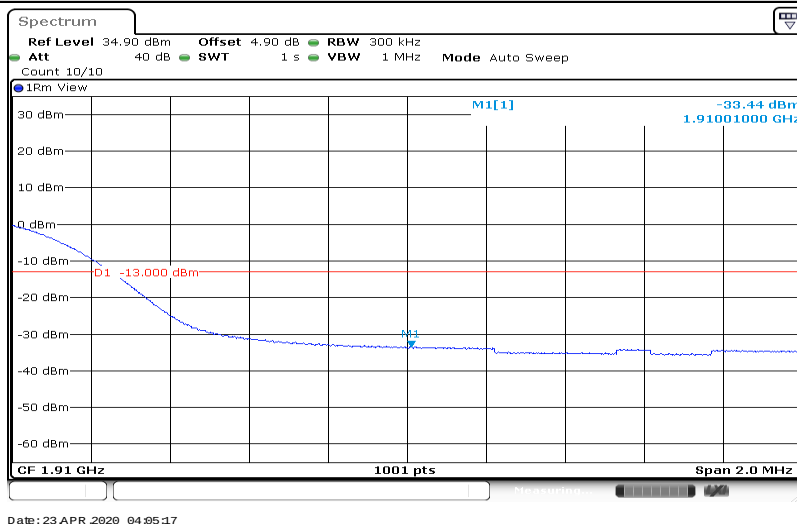


Band2-20MHz-16QAM-19100-1RB#99





Band2-20MHz-16QAM-19100-100RB#0



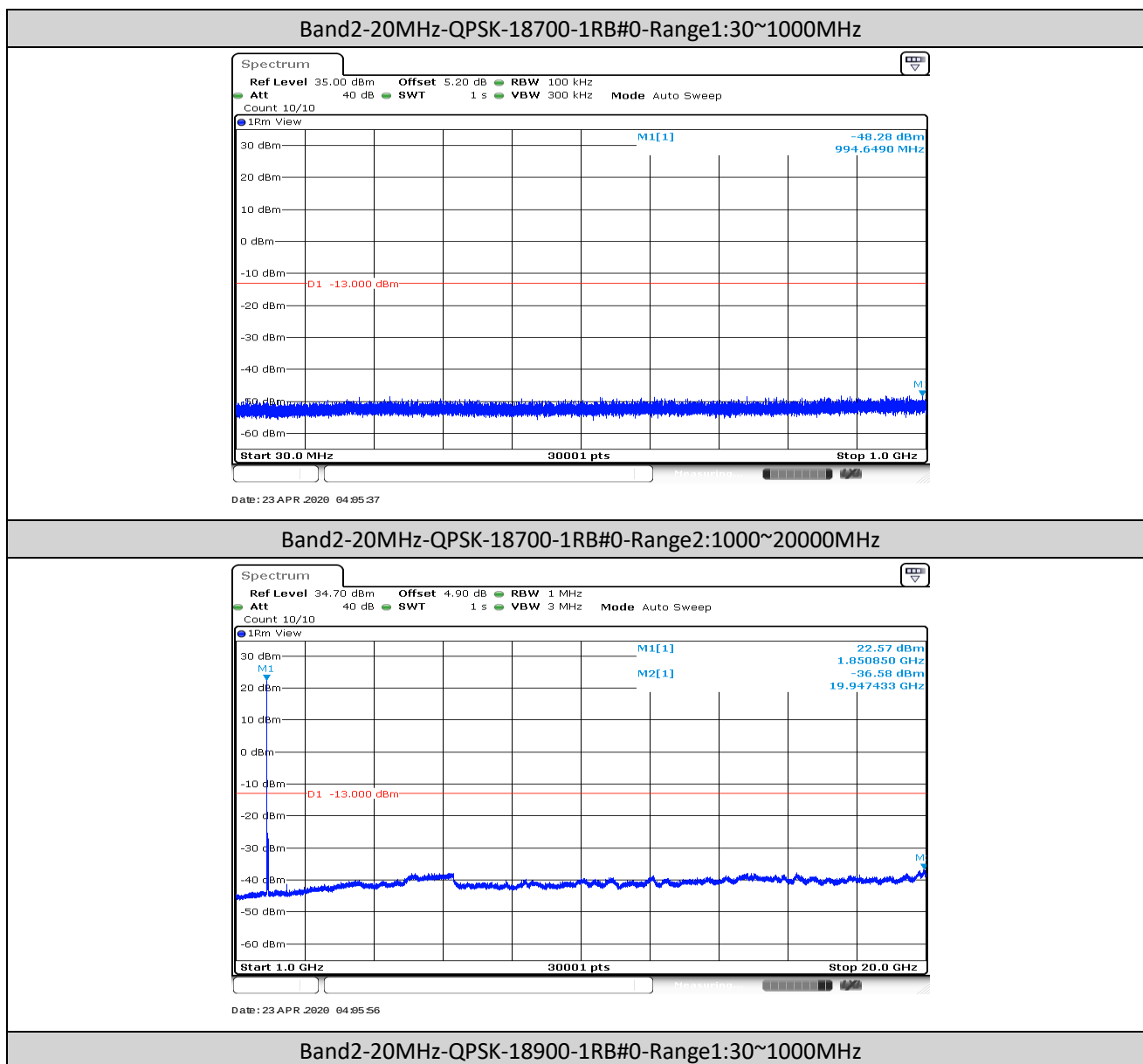


6. Spurious Emission at Antenna Terminal

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

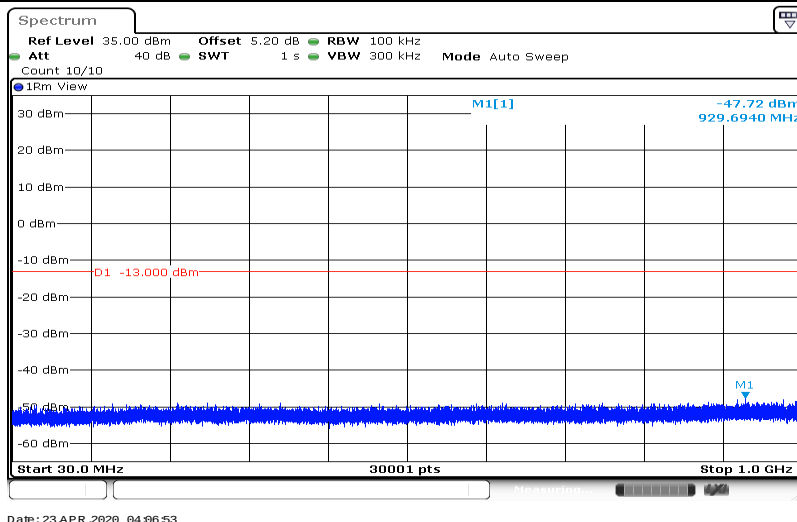
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

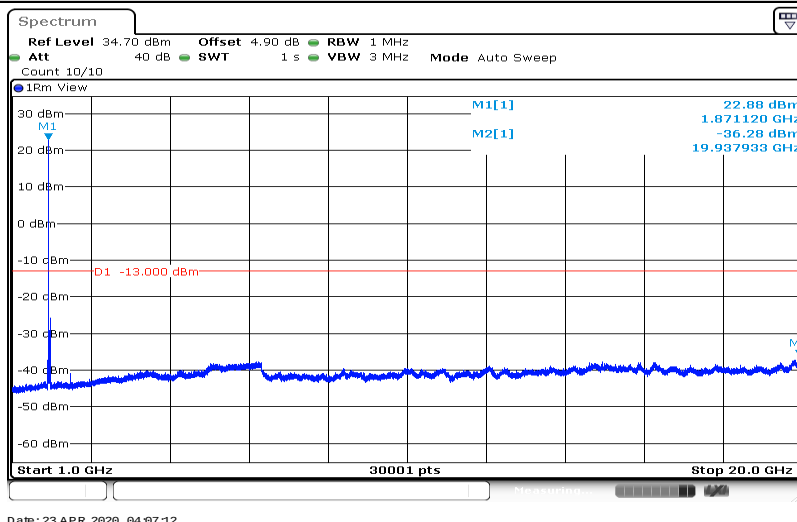


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

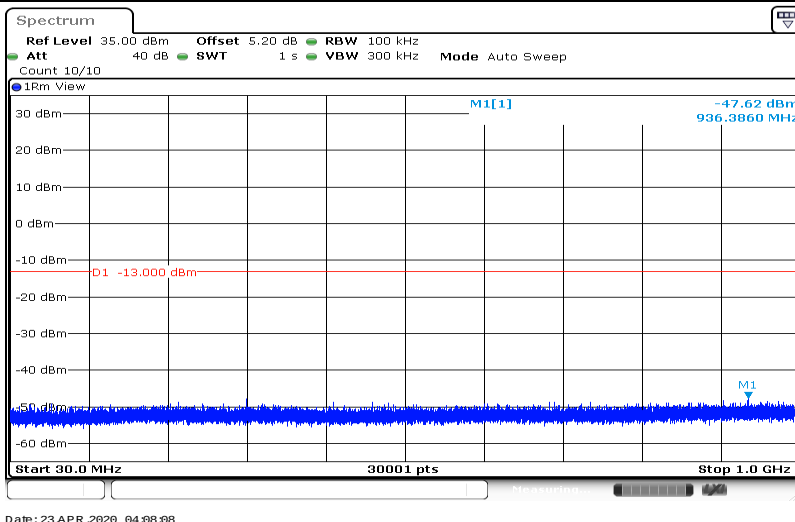


Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

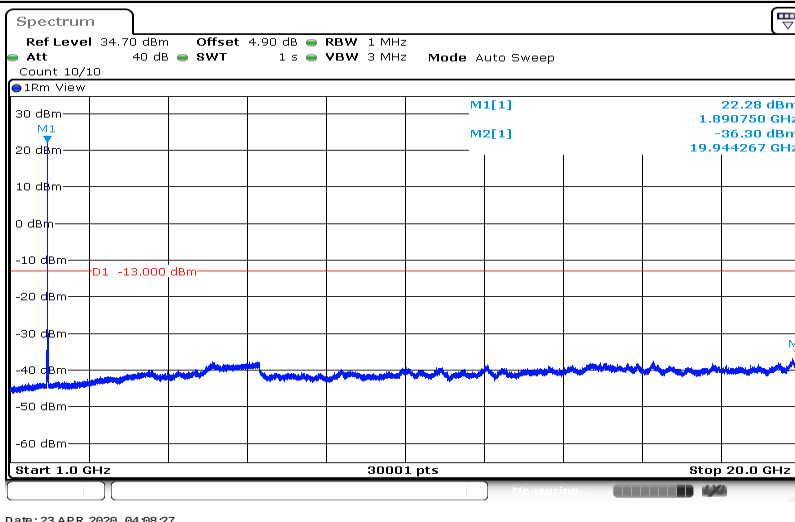


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Laboratory

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



Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz

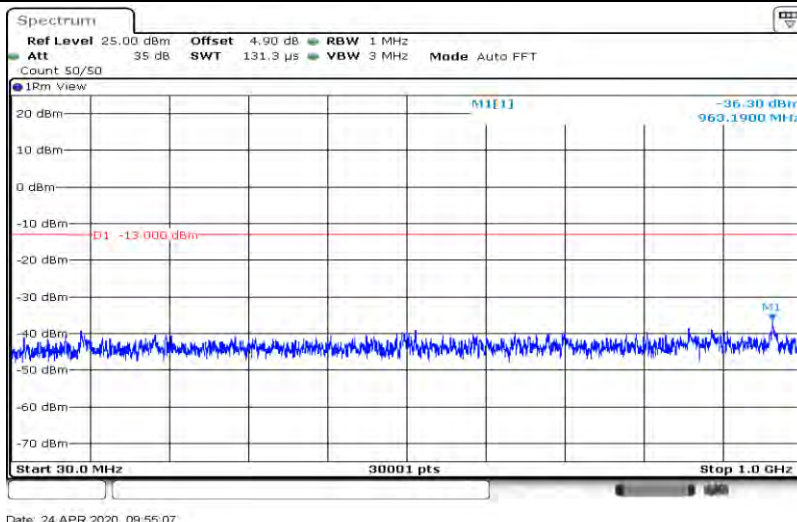


Band2-20MHz-64QAM-18700-1RB#0-Range1:30~1000MHz

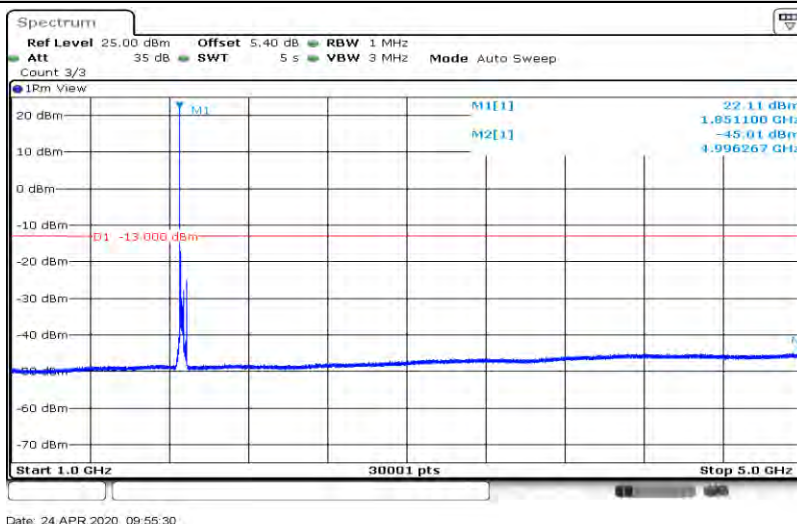


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Laboratory

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



Band2-20MHz-64QAM-18700-1RB#0-Range2:1000~5000MHz

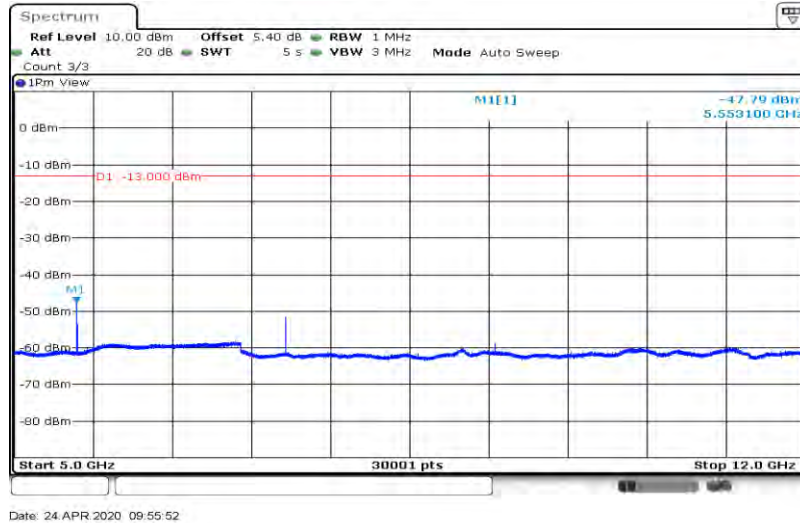


Band2-20MHz-64QAM-18700-1RB#0-Range3:5000~12000MHz

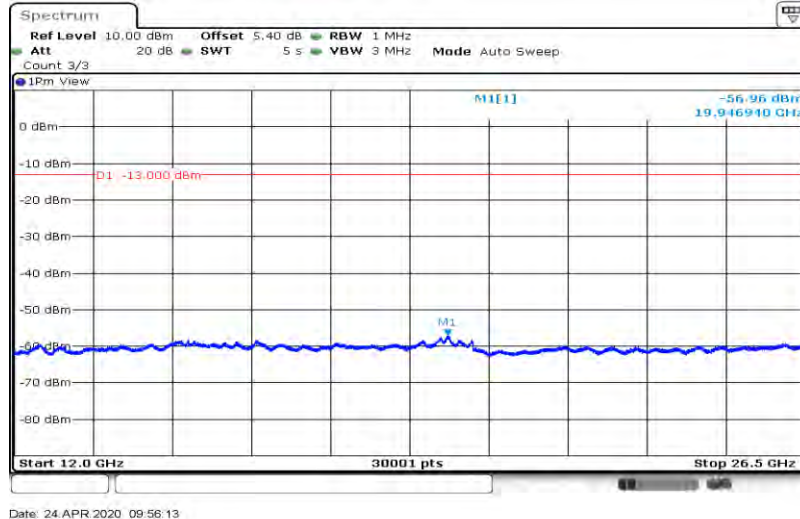


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



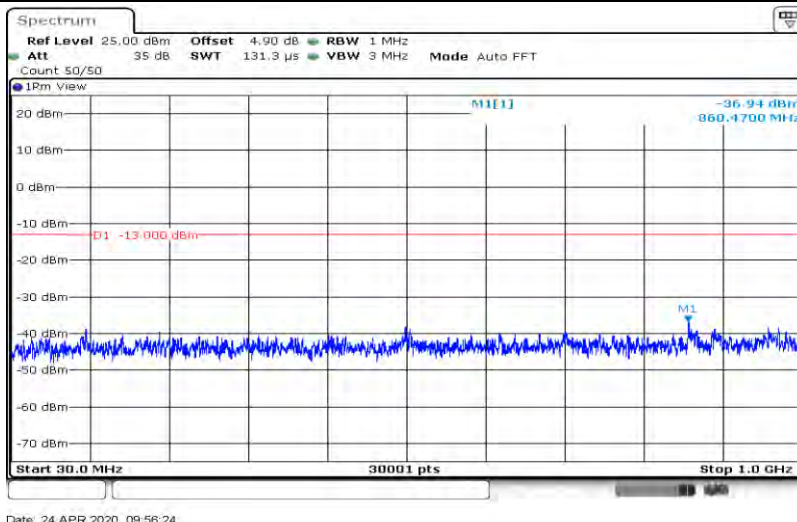
Band2-20MHz-64QAM-18700-1RB#0-Range4:12000~26500MHz



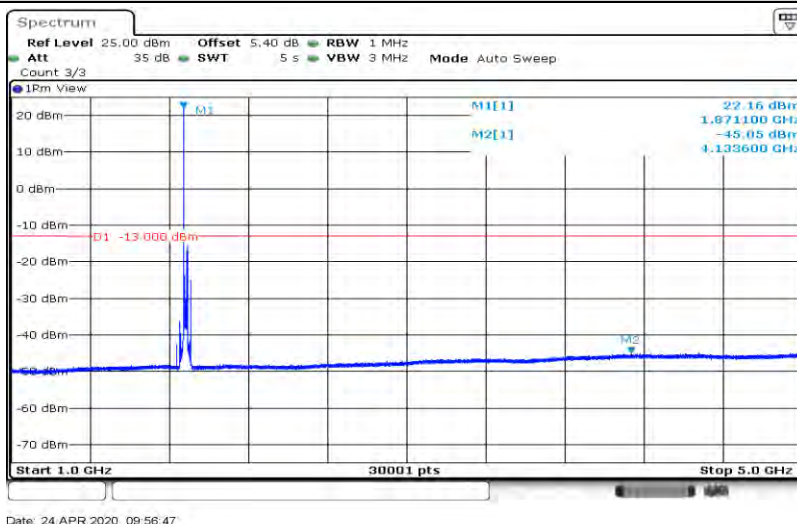
Band2-20MHz-64QAM-18900-1RB#0-Range1:30~1000MHz



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

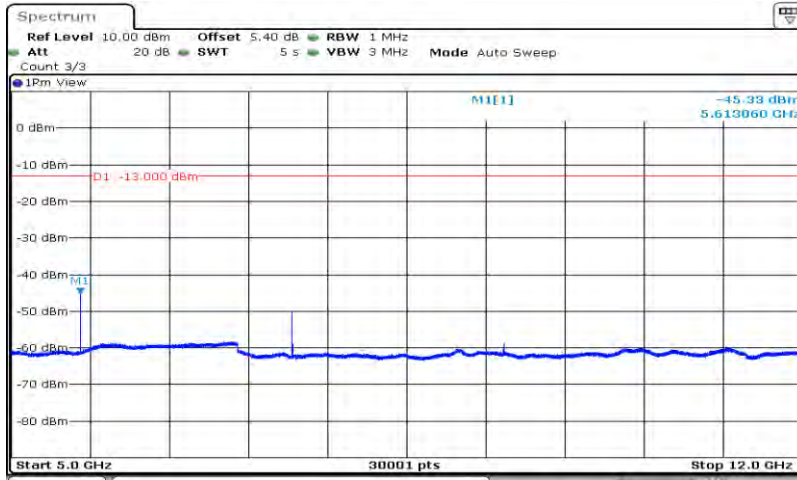


Band2-20MHz-64QAM-18900-1RB#0-Range2:1000~5000MHz

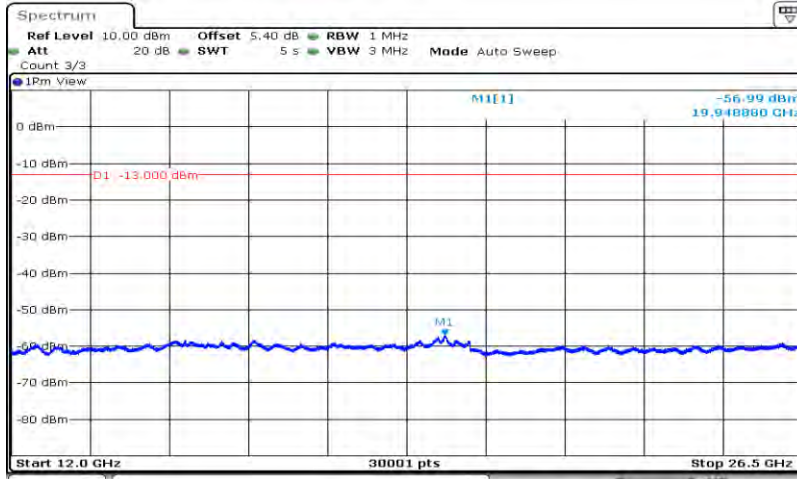


Band2-20MHz-64QAM-18900-1RB#0-Range3:5000~12000MHz





Band2-20MHz-64QAM-18900-1RB#0-Range4:12000~26500MHz

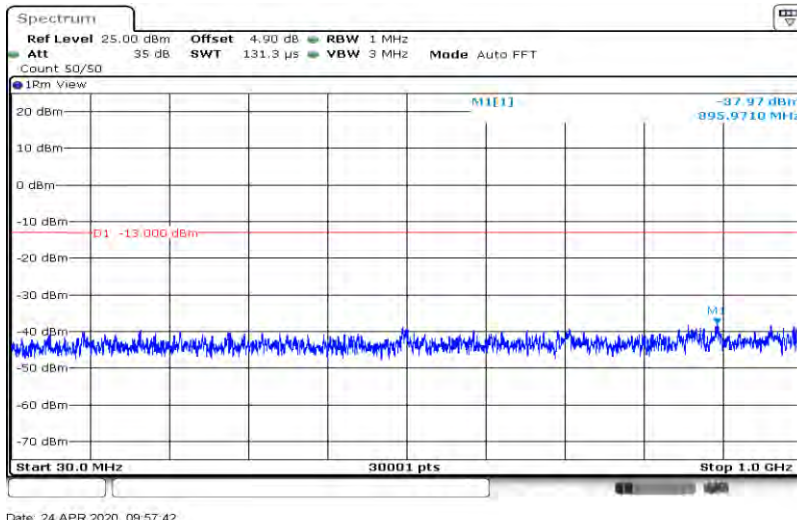


Band2-20MHz-64QAM-19100-1RB#0-Range1:30~1000MHz

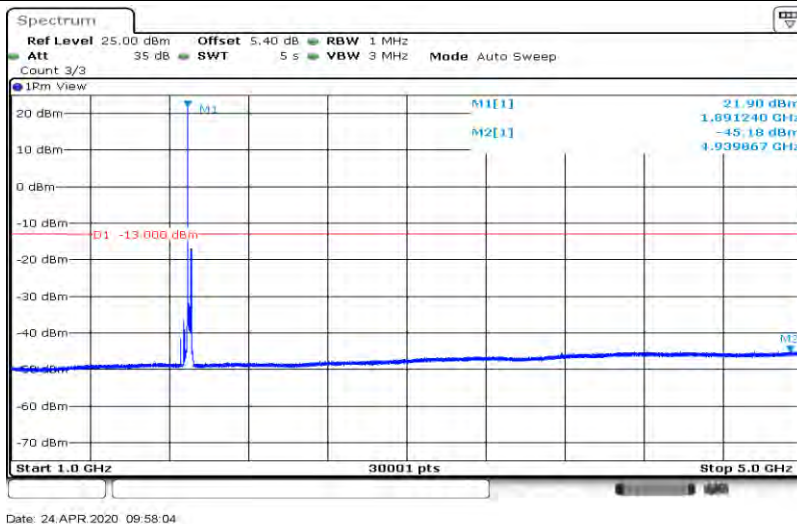


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

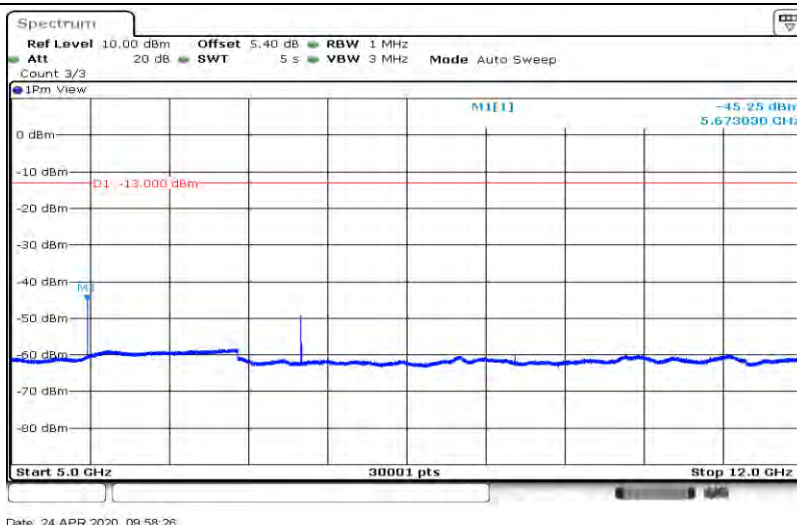
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



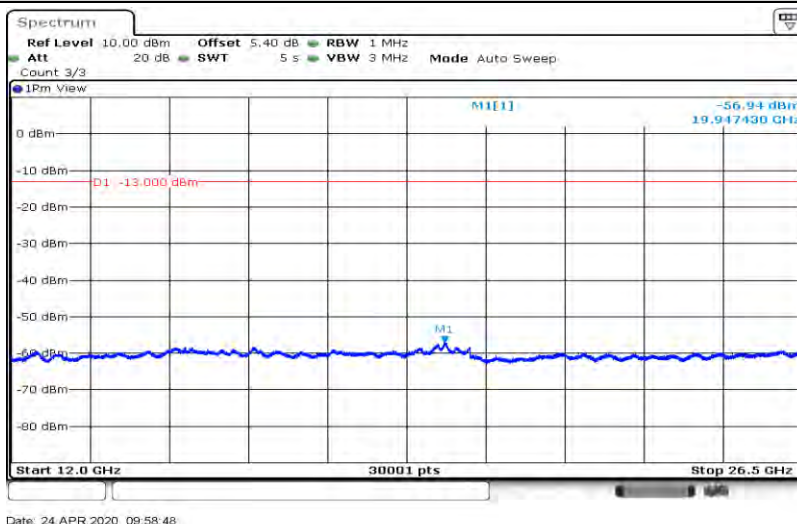
Band2-20MHz-64QAM-19100-1RB#0-Range2:1000~5000MHz



Band2-20MHz-64QAM-19100-1RB#0-Range3:5000~12000MHz

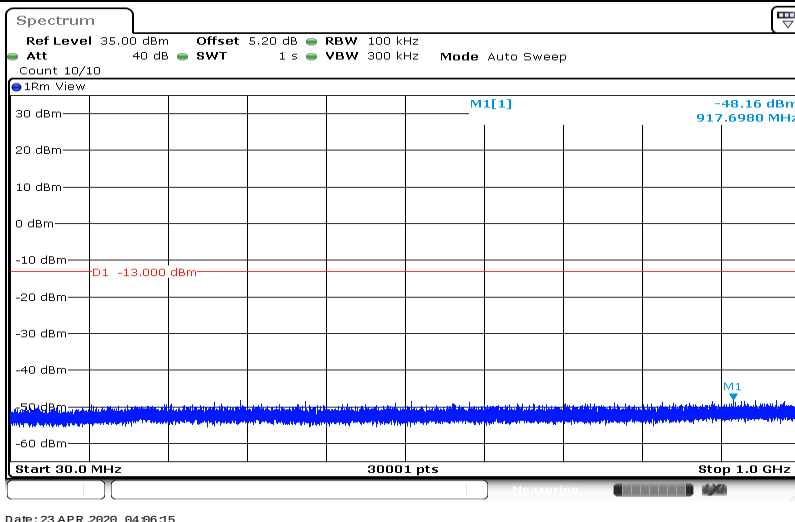


Band2-20MHz-64QAM-19100-1RB#0-Range4:12000~26500MHz

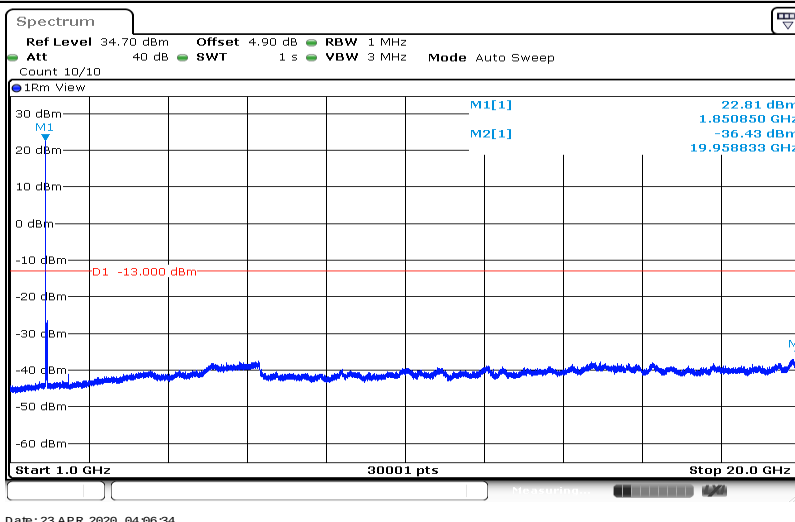


Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz





Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz

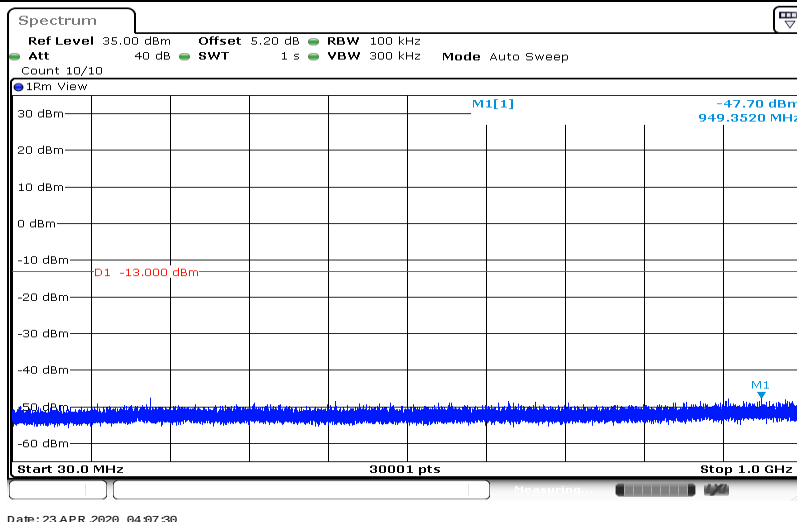


Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

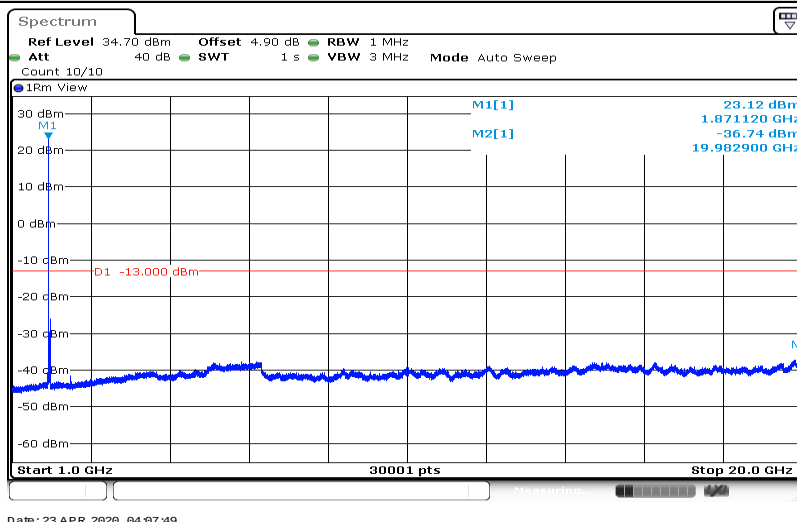


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Laboratory

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



Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz

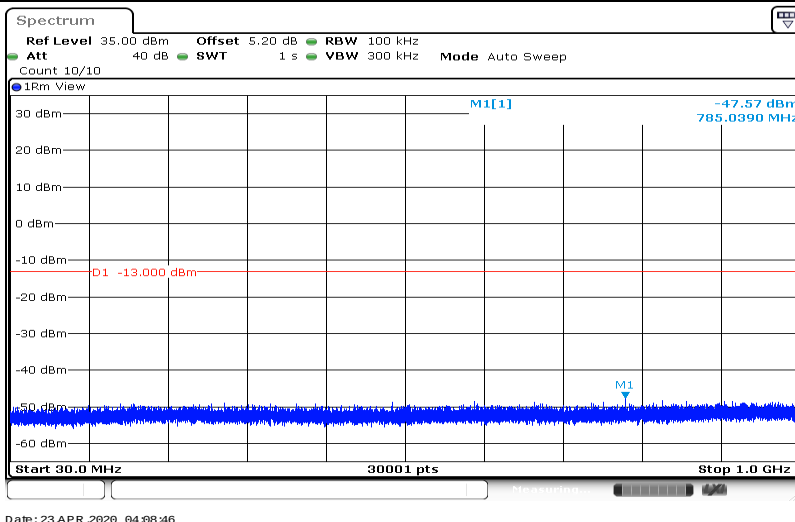


Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz

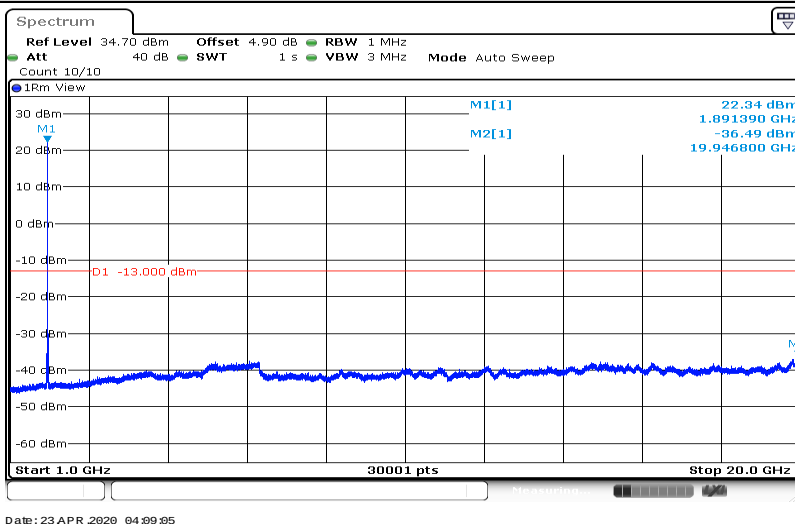


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

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



Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz





7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.0872	-72.36	-13.00	59.36	Vertical
110.6110	-64.99	-13.00	51.99	Vertical
461.2351	-67.39	-13.00	54.39	Vertical
2701.1402	-37.48	-13.00	24.48	Vertical
8021.1674	-55.27	-13.00	42.27	Vertical
17995.4999	-39.96	-13.00	26.96	Vertical
42.2226	-64.52	-13.00	51.52	Horizontal
245.0113	-68.18	-13.00	55.18	Horizontal
689.3905	-63.86	-13.00	50.86	Horizontal
2698.7397	-36.12	-13.00	23.12	Horizontal
7468.1489	-55.62	-13.00	42.62	Horizontal
16400.4467	-43.55	-13.00	30.55	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.5237	-72.35	-13.00	59.35	Vertical
115.2673	-63.96	-13.00	50.96	Vertical
496.6903	-67.15	-13.00	54.15	Vertical
2693.5387	-37.32	-13.00	24.32	Vertical
7898.1633	-55.64	-13.00	42.64	Vertical
17999.5000	-40.33	-13.00	27.33	Vertical
43.8232	-64.24	-13.00	51.24	Horizontal
229.8785	-68.21	-13.00	55.21	Horizontal
597.6239	-64.38	-13.00	51.38	Horizontal
2701.5403	-36.18	-13.00	23.18	Horizontal
7457.6486	-56.33	-13.00	43.33	Horizontal
16399.9467	-43.59	-13.00	30.59	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
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



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.7890	-72.41	-13.00	59.41	Vertical
112.2601	-64.13	-13.00	51.13	Vertical
451.6801	-66.44	-13.00	53.44	Vertical
2695.9392	-37.22	-13.00	24.22	Vertical
8001.6667	-55.48	-13.00	42.48	Vertical
17999.0000	-39.92	-13.00	26.92	Vertical
43.9202	-63.66	-13.00	50.66	Horizontal
242.2466	-68.15	-13.00	55.15	Horizontal
367.0919	-67.60	-13.00	54.60	Horizontal
2700.7401	-36.09	-13.00	23.09	Horizontal
7471.1490	-56.06	-13.00	43.06	Horizontal
16391.9464	-43.50	-13.00	30.50	Horizontal

Remark:

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



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

Attention: 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



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
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	4.80	0.002581	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-11.30	-0.006075	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-9.00	-0.004839	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-7.40	-0.003936	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-8.70	-0.004628	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	5.30	0.002789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-2.80	-0.001474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-8.30	-0.004368	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VL	NT	7.00	0.003763	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VN	NT	2.80	0.001505	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VH	NT	4.30	0.002312	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VL	NT	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VN	NT	-8.20	-0.004362	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VH	NT	-13.60	-0.007234	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VL	NT	0.30	0.000158	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VN	NT	-1.20	-0.000632	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VH	NT	-0.80	-0.000421	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-1.50	-0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-3.10	-0.001667	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-2.40	-0.001290	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-1.90	-0.001011	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	0.40	0.000213	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-1.80	-0.000957	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	3.00	0.001579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-0.90	-0.000474	±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
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-1.00	-0.000538	±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-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



Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-2.80	-0.001505	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-9.40	-0.005054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	5.90	0.003172	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-8.70	-0.004677	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-12.80	-0.006882	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	4.50	0.002419	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-11.80	-0.006277	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-8.90	-0.004734	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.10	-0.000053	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-13.50	-0.007181	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-6.30	-0.003351	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	0.60	0.000319	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-10.50	-0.005585	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-9.80	-0.005213	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-10.20	-0.005368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-13.00	-0.006842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-16.60	-0.008737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-4.60	-0.002421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	3.90	0.002053	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	6.20	0.003263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-12.30	-0.006474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-4.10	-0.002158	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-30	-15.50	-0.008333	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-20	-1.50	-0.000806	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	0	-3.90	-0.002097	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	10	-12.30	-0.006613	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	20	-7.60	-0.004086	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	30	-7.60	-0.004086	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	40	-10.10	-0.005430	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	50	-14.20	-0.007634	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-30	3.10	0.001649	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-20	-4.50	-0.002394	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	0	-14.50	-0.007713	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	10	-11.40	-0.006064	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	20	-4.80	-0.002553	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	30	-8.00	-0.004255	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	40	-0.60	-0.000319	±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



Band2	20MHz	64QAM	18900	100RB#0	NV	50	-10.30	-0.005479	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-30	4.00	0.002105	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-20	-6.20	-0.003263	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	0	2.40	0.001263	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	10	-8.60	-0.004526	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	20	9.10	0.004789	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	30	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	40	1.60	0.000842	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	50	-8.30	-0.004368	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-2.40	-0.001290	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-4.20	-0.002258	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-6.00	-0.003226	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-12.60	-0.006774	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-9.50	-0.005108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-2.40	-0.001290	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-1.00	-0.000538	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-1.20	-0.000638	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-1.90	-0.001011	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-11.80	-0.006277	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-12.30	-0.006543	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-8.00	-0.004255	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-8.90	-0.004734	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-8.70	-0.004628	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-5.90	-0.003138	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-9.20	-0.004842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-5.70	-0.003000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	3.40	0.001789	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-9.70	-0.005105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-4.10	-0.002158	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	9.50	0.005000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-7.10	-0.003737	±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