



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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER.....	4
1.1. TEST RESULT.....	4
2. PEAK-TO-AVERAGE RATIO (CCDF).....	16
2.1. TEST RESULT.....	16
2.2. TEST PLOTS.....	17
3. MODULATION CHARACTERISTICS.....	22
3.1. TEST MODE = LTE /TM1 20MHZ.....	22
3.1.1. TEST CHANNEL = MCH.....	22
3.2. TEST MODE = LTE /TM2 20MHZ.....	23
3.2.1. TEST CHANNEL = MCH.....	23
3.3. TEST MODE = LTE /TM3 20MHZ.....	24
3.3.1. TEST CHANNEL = MCH.....	24
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	25
4.1. TEST RESULT.....	25
4.2. TEST PLOTS.....	27
5. BAND EDGE COMPLIANCE.....	55
5.1. TEST PLOTS.....	55
6. SPURIOUS EMISSION AT ANTENNA TERMINAL.....	92
6.1. TEST PLOTS.....	92
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	102
7.1. Test Band = LTE_Band=2 BW=20MHz _TM1.....	102
7.1.1. Test Channel = 18700.....	102
7.2. Test Band = LTE_Band=2 BW=20MHz _TM1.....	103
7.2.1. Test Channel = 18700.....	103
7.3. Test Band = LTE_Band=2 BW=20MHz _TM1.....	104
7.3.1. Test Channel = 18900.....	104
7.4. Test Band = LTE_Band=2 BW=20MHz _TM1.....	105
7.4.1. Test Channel = 18900.....	105
7.5. Test Band = LTE_Band=2 BW=20MHz _TM1.....	106
7.5.1. Test Channel = 19100.....	106



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7.6. Test Band = LTE_Band=2 BW=20MHz _TM1.....	107
7.6.1. Test Channel = 19100.....	107

8. FREQUENCY STABILITY.....108

8.1. FREQUENCY VS VOLTAGE.....	108
8.2. FREQUENCY VS TEMPERATURE.....	109



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

Attention: 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 (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.ssgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#2	23.67	21.17	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.54	21.04	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	23.52	21.02	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.64	21.14	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.63	21.13	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.69	21.19	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.72	20.22	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.57	21.07	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.57	21.07	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.69	21.19	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.73	21.23	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.67	21.17	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.67	21.17	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.77	20.27	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.77	21.27	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.62	21.12	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.64	21.14	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.74	21.24	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.80	21.30	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.76	21.26	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.86	20.36	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.71	19.21	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.68	19.18	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.86	19.36	33.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#1	21.88	19.38	33.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#0	21.77	19.27	33.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#3	21.77	19.27	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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	1.4MHz	64QAM	18607	6RB#0	20.68	18.18	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	21.87	19.37	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.75	19.25	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.73	19.23	33.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#0	21.79	19.29	33.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#1	21.85	19.35	33.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#3	21.83	19.33	33.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.70	18.20	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.86	19.36	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	21.93	19.43	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.78	19.28	33.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#3	21.87	19.37	33.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#1	21.93	19.43	33.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#0	21.87	19.37	33.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.79	18.29	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.78	20.28	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.05	20.55	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.88	20.38	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.77	20.27	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.86	20.36	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.83	20.33	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.77	19.27	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.82	20.32	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.96	20.46	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.87	20.37	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.85	20.35	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.88	20.38	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.80	20.30	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.81	19.31	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.93	20.43	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.96	20.46	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.16	20.66	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.96	20.46	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 (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com



Band2	1.4MHz	16QAM	19193	3RB#0	22.90	20.40	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.91	20.41	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.89	19.39	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.54	21.04	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.59	21.09	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.60	21.10	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.67	20.17	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.72	20.22	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.71	20.21	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.67	20.17	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.59	21.09	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.60	21.10	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.62	21.12	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.70	20.20	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.72	20.22	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.74	20.24	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.69	20.19	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.69	21.19	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.68	21.18	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.64	21.14	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.83	20.33	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.79	20.29	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.77	20.27	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.80	20.30	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.83	19.33	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.80	19.30	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.77	19.27	33.00	PASS
Band2	3MHz	64QAM	18615	8RB#0	20.63	18.13	33.00	PASS
Band2	3MHz	64QAM	18615	8RB#4	20.69	18.19	33.00	PASS
Band2	3MHz	64QAM	18615	8RB#7	20.67	18.17	33.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.62	18.12	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.74	19.24	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.75	19.25	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 (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	3MHz	64QAM	18900	1RB#0	21.75	19.25	33.00	PASS
Band2	3MHz	64QAM	18900	8RB#0	20.69	18.19	33.00	PASS
Band2	3MHz	64QAM	18900	8RB#7	20.66	18.16	33.00	PASS
Band2	3MHz	64QAM	18900	8RB#4	20.68	18.18	33.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.64	18.14	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.92	19.42	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.77	19.27	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.88	19.38	33.00	PASS
Band2	3MHz	64QAM	19185	8RB#7	20.74	18.24	33.00	PASS
Band2	3MHz	64QAM	19185	8RB#0	20.75	18.25	33.00	PASS
Band2	3MHz	64QAM	19185	8RB#4	20.83	18.33	33.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.74	18.24	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.98	20.48	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.89	20.39	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.82	20.32	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.73	19.23	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.77	19.27	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.77	19.27	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.63	19.13	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.84	20.34	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.87	20.37	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.94	20.44	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.76	19.26	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.76	19.26	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.76	19.26	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.66	19.16	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.91	20.41	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.90	20.40	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.02	20.52	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.82	19.32	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.84	19.34	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.84	19.34	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.77	19.27	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 (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	5MHz	QPSK	18625	1RB#24	23.55	21.05	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.48	20.98	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.72	21.22	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.69	20.19	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.76	20.26	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.72	20.22	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.73	20.23	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.49	20.99	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.52	21.02	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.80	21.30	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.70	20.20	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.78	20.28	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.73	20.23	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.71	20.21	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.57	21.07	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.51	21.01	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.80	21.30	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.76	20.26	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.84	20.34	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.79	20.29	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.78	20.28	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.75	19.25	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.63	19.13	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	22.00	19.50	33.00	PASS
Band2	5MHz	64QAM	18625	12RB#13	20.65	18.15	33.00	PASS
Band2	5MHz	64QAM	18625	12RB#0	20.65	18.15	33.00	PASS
Band2	5MHz	64QAM	18625	12RB#6	20.74	18.24	33.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.69	18.19	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.61	19.11	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.97	19.47	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.73	19.23	33.00	PASS
Band2	5MHz	64QAM	18900	12RB#13	20.61	18.11	33.00	PASS
Band2	5MHz	64QAM	18900	12RB#6	20.72	18.22	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 (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	5MHz	64QAM	18900	12RB#0	20.64	18.14	33.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.66	18.16	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.97	19.47	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.78	19.28	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.72	19.22	33.00	PASS
Band2	5MHz	64QAM	19175	12RB#0	20.74	18.24	33.00	PASS
Band2	5MHz	64QAM	19175	12RB#6	20.79	18.29	33.00	PASS
Band2	5MHz	64QAM	19175	12RB#13	20.70	18.20	33.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.75	18.25	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.08	20.58	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.80	20.30	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.92	20.42	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.74	19.24	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.72	19.22	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.80	19.30	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.73	19.23	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.06	20.56	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.75	20.25	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.84	20.34	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.72	19.22	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.70	19.20	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.75	19.25	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.71	19.21	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.17	20.67	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.84	20.34	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.79	20.29	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.77	19.27	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.80	19.30	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.83	19.33	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.77	19.27	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.61	21.11	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.77	21.27	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.62	21.12	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 (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	10MHz	QPSK	18650	25RB#0	22.79	20.29	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.80	20.30	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.81	20.31	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.82	20.32	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.64	21.14	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.70	21.20	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.59	21.09	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.76	20.26	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.81	20.31	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.72	20.22	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.78	20.28	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.64	21.14	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.67	21.17	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.72	21.22	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.79	20.29	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.77	20.27	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.85	20.35	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.80	20.30	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.84	19.34	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.92	19.42	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.83	19.33	33.00	PASS
Band2	10MHz	64QAM	18650	25RB#25	20.77	18.27	33.00	PASS
Band2	10MHz	64QAM	18650	25RB#12	20.78	18.28	33.00	PASS
Band2	10MHz	64QAM	18650	25RB#0	20.76	18.26	33.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.78	18.28	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.77	19.27	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.84	19.34	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.89	19.39	33.00	PASS
Band2	10MHz	64QAM	18900	25RB#0	20.75	18.25	33.00	PASS
Band2	10MHz	64QAM	18900	25RB#12	20.72	18.22	33.00	PASS
Band2	10MHz	64QAM	18900	25RB#25	20.69	18.19	33.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.72	18.22	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.87	19.37	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 (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com



Band2	10MHz	64QAM	19150	1RB#24	21.90	19.40	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.85	19.35	33.00	PASS
Band2	10MHz	64QAM	19150	25RB#0	20.82	18.32	33.00	PASS
Band2	10MHz	64QAM	19150	25RB#12	20.76	18.26	33.00	PASS
Band2	10MHz	64QAM	19150	25RB#25	20.73	18.23	33.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.75	18.25	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.96	20.46	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.00	20.50	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.02	20.52	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.81	19.31	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.76	19.26	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.80	19.30	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.82	19.32	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.92	20.42	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.10	20.60	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.92	20.42	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.73	19.23	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.74	19.24	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.80	19.30	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.75	19.25	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.90	20.40	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.91	20.41	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.06	20.56	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.82	19.32	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.77	19.27	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.75	19.25	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.80	19.30	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.70	21.20	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.54	21.04	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.57	21.07	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.81	20.31	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.78	20.28	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.82	20.32	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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	15MHz	QPSK	18675	75RB#0	22.78	20.28	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.65	21.15	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.58	21.08	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.57	21.07	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.73	20.23	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.77	20.27	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.77	20.27	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.75	20.25	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.62	21.12	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.68	21.18	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.63	21.13	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.83	20.33	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.79	20.29	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.82	20.32	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.78	20.28	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.77	19.27	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.90	19.40	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.75	19.25	33.00	PASS
Band2	15MHz	64QAM	18675	36RB#0	20.73	18.23	33.00	PASS
Band2	15MHz	64QAM	18675	36RB#18	20.75	18.25	33.00	PASS
Band2	15MHz	64QAM	18675	36RB#39	20.75	18.25	33.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.77	18.27	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.71	19.21	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.80	19.30	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.84	19.34	33.00	PASS
Band2	15MHz	64QAM	18900	36RB#0	20.69	18.19	33.00	PASS
Band2	15MHz	64QAM	18900	36RB#18	20.72	18.22	33.00	PASS
Band2	15MHz	64QAM	18900	36RB#39	20.64	18.14	33.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.69	18.19	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.85	19.35	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.84	19.34	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.78	19.28	33.00	PASS
Band2	15MHz	64QAM	19125	36RB#18	20.77	18.27	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 (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	15MHz	64QAM	19125	36RB#39	20.73	18.23	33.00	PASS
Band2	15MHz	64QAM	19125	36RB#0	20.76	18.26	33.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.73	18.23	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.86	20.36	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.04	20.54	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.91	20.41	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.82	19.32	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.82	19.32	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.76	19.26	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.82	19.32	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.81	20.31	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.90	20.40	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.95	20.45	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.73	19.23	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.66	19.16	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.74	19.24	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.73	19.23	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.87	20.37	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.02	20.52	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.92	20.42	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.82	19.32	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.75	19.25	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.80	19.30	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.75	19.25	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.47	20.97	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.47	20.97	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.79	21.29	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.81	20.31	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.86	20.36	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.78	20.28	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.82	20.32	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.74	21.24	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.49	20.99	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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	20MHz	QPSK	18900	1RB#0	23.54	21.04	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.77	20.27	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.77	20.27	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.67	20.17	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.71	20.21	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.54	21.04	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.79	21.29	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.57	21.07	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.68	20.18	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.81	20.31	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.83	20.33	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.74	20.24	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.64	19.14	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.67	19.17	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.95	19.45	33.00	PASS
Band2	20MHz	64QAM	18700	50RB#50	20.83	18.33	33.00	PASS
Band2	20MHz	64QAM	18700	50RB#25	20.79	18.29	33.00	PASS
Band2	20MHz	64QAM	18700	50RB#0	20.72	18.22	33.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.75	18.25	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.75	19.25	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.94	19.44	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.67	19.17	33.00	PASS
Band2	20MHz	64QAM	18900	50RB#25	20.72	18.22	33.00	PASS
Band2	20MHz	64QAM	18900	50RB#50	20.66	18.16	33.00	PASS
Band2	20MHz	64QAM	18900	50RB#0	20.71	18.21	33.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.63	18.13	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.70	19.20	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	22.00	19.50	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.76	19.26	33.00	PASS
Band2	20MHz	64QAM	19100	50RB#0	20.75	18.25	33.00	PASS
Band2	20MHz	64QAM	19100	50RB#25	20.78	18.28	33.00	PASS
Band2	20MHz	64QAM	19100	50RB#50	20.64	18.14	33.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.68	18.18	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 (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2	20MHz	16QAM	18700	1RB#99	22.73	20.23	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.12	20.62	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.74	20.24	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.76	19.26	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.84	19.34	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.86	19.36	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.83	19.33	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.87	20.37	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.00	20.50	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.77	20.27	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.74	19.24	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.74	19.24	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.65	19.15	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.69	19.19	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.86	20.36	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.08	20.58	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.84	20.34	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.78	19.28	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.83	19.33	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.66	19.16	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.76	19.26	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 [dBd]

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



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F, Unit D2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 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	5.51	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.10	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.33	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.67	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.20	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.49	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.32	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.91	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.17	13	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

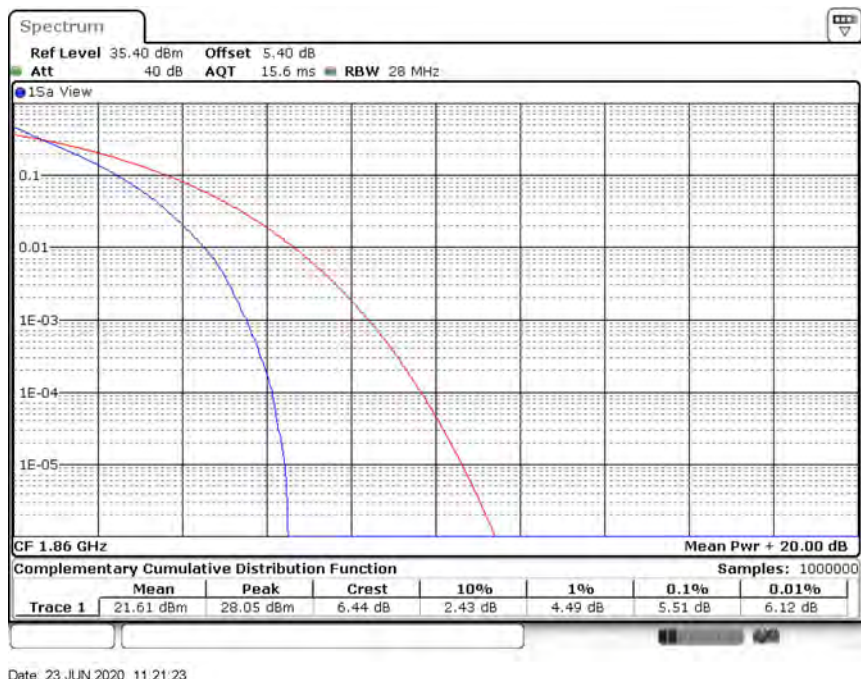
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



2.2. Test Plots

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

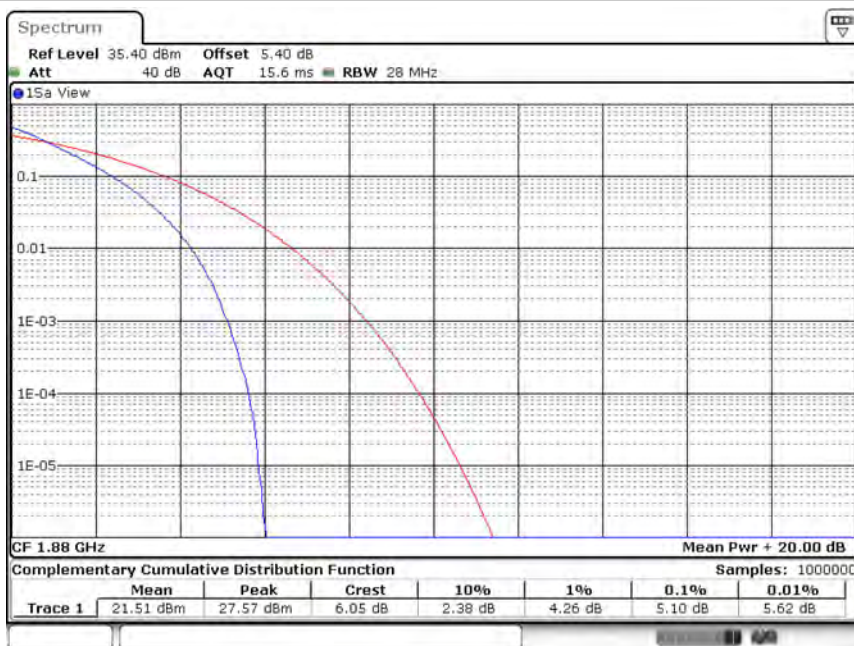


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

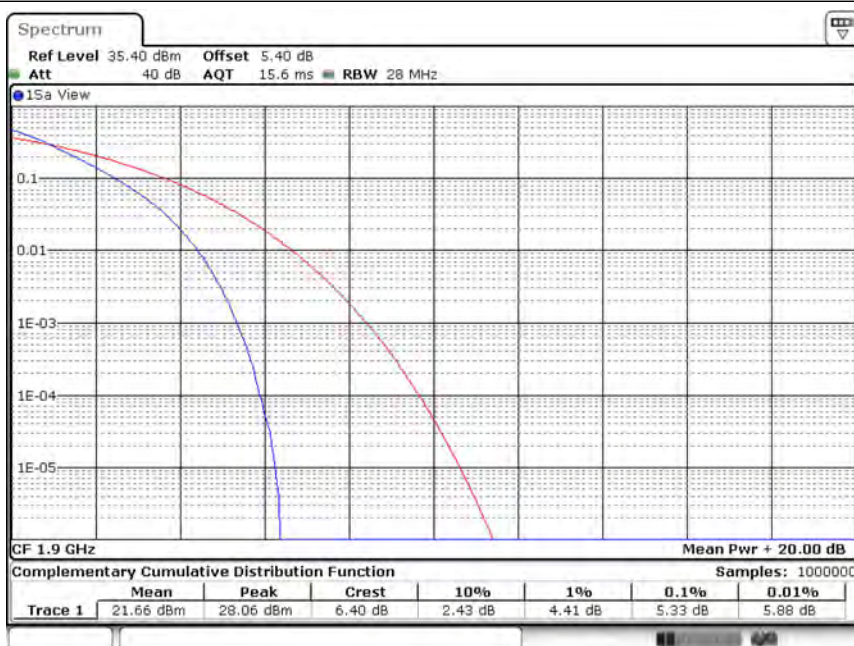
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgsgroup.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 23 JUN 2020 11:21:46

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



Date: 23 JUN 2020 11:22:08



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

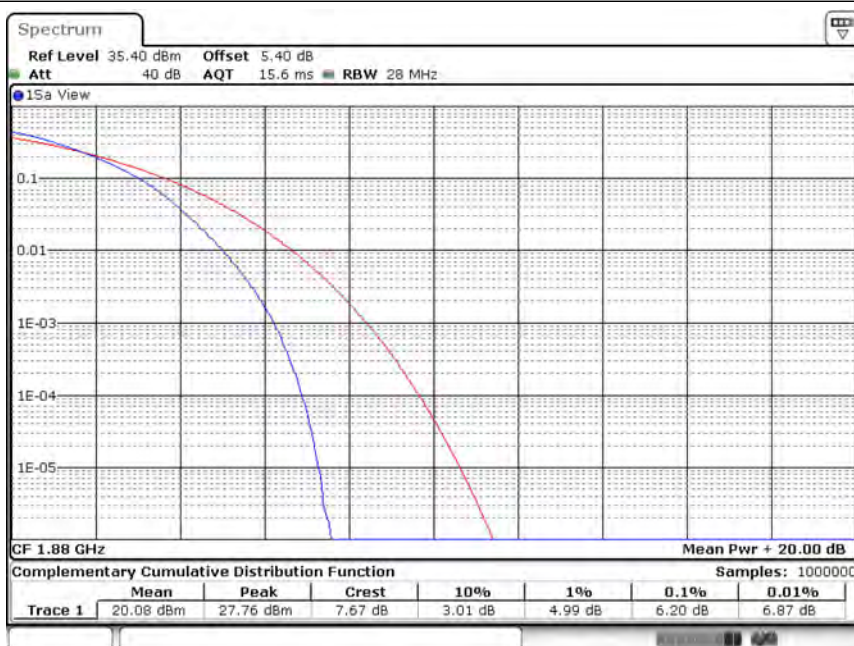
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 24 JUN 2020 01:57:37

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



Date: 24 JUN 2020 01:57:48



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

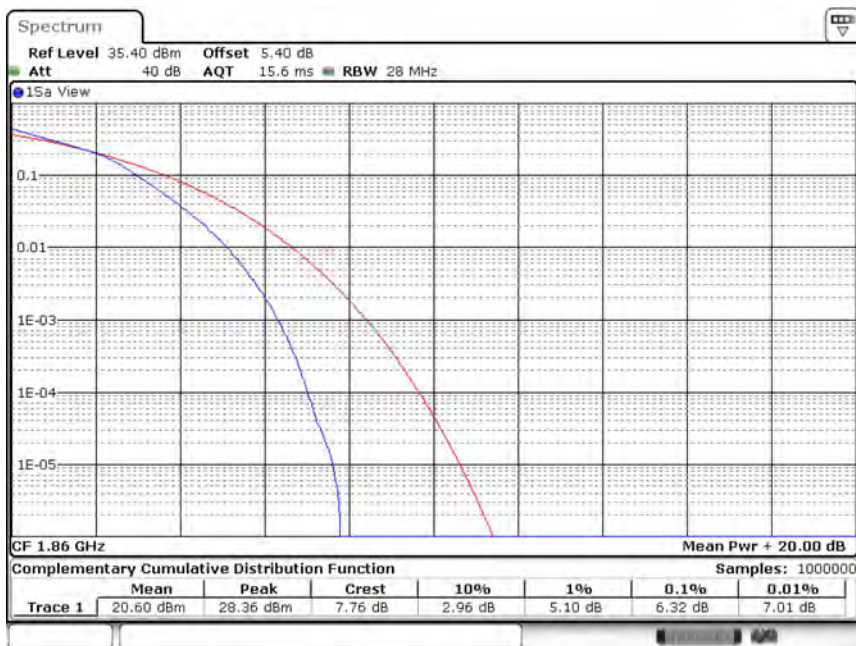
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 24 JUN 2020 01:58:00

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



Date: 23 JUN 2020 11:21:34



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

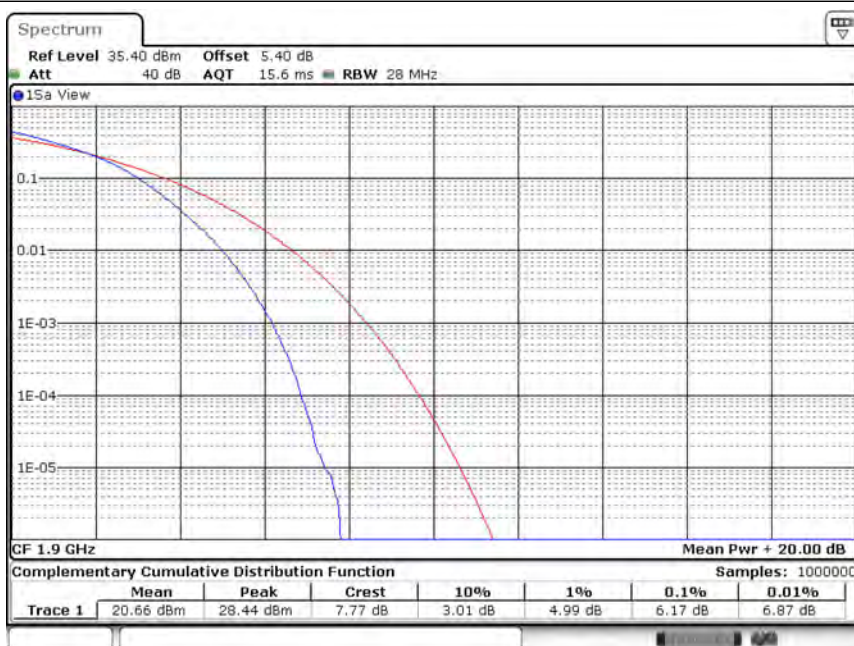
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 23 JUN 2020 11:21:57

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



Date: 23 JUN 2020 11:22:20



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

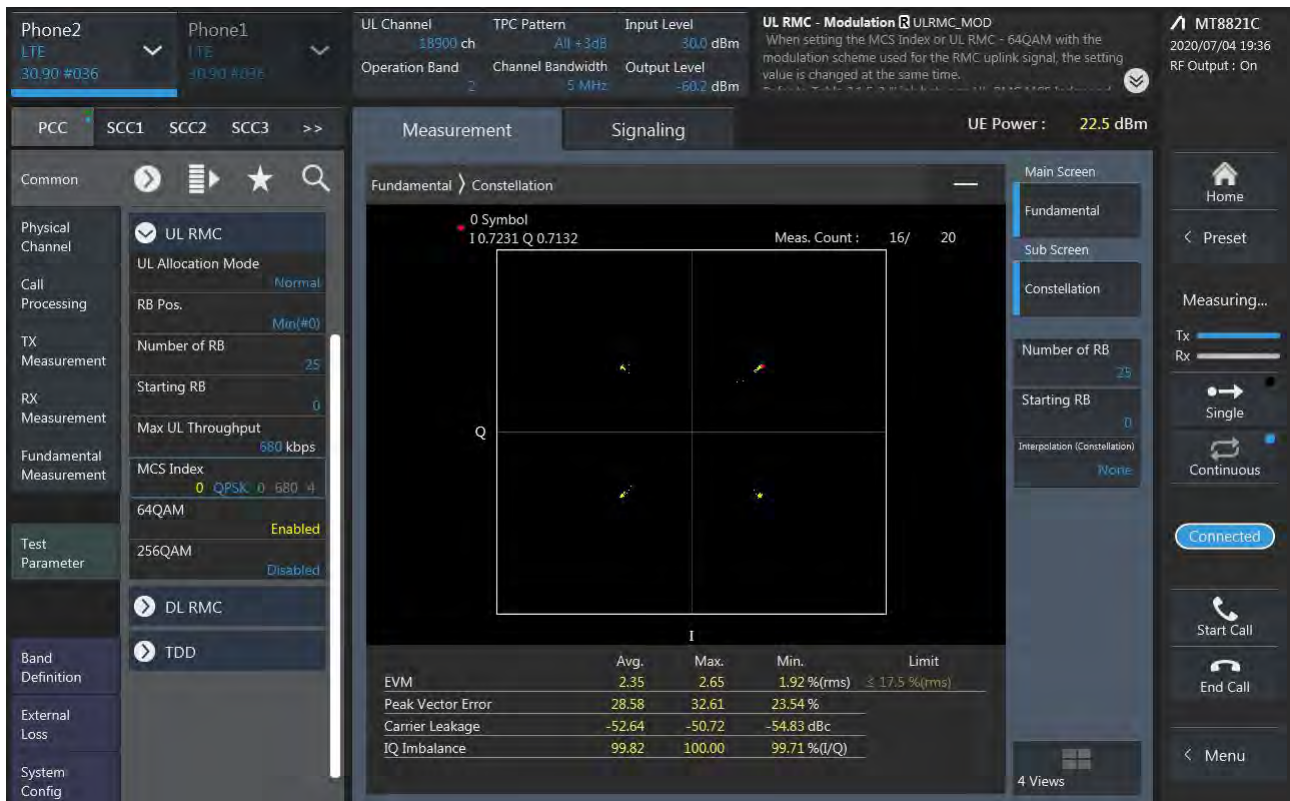
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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

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

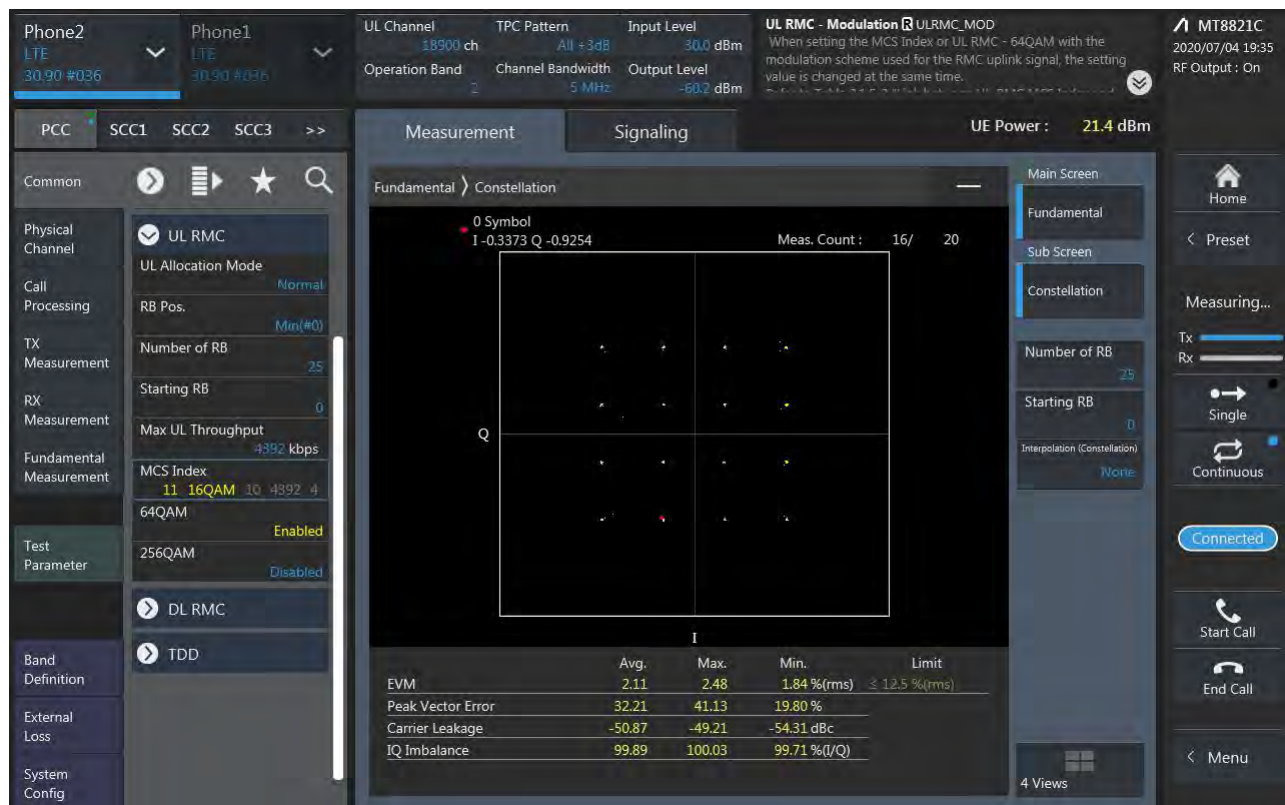
V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn

中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



3.2. Test Mode = LTE /TM2 20MHz

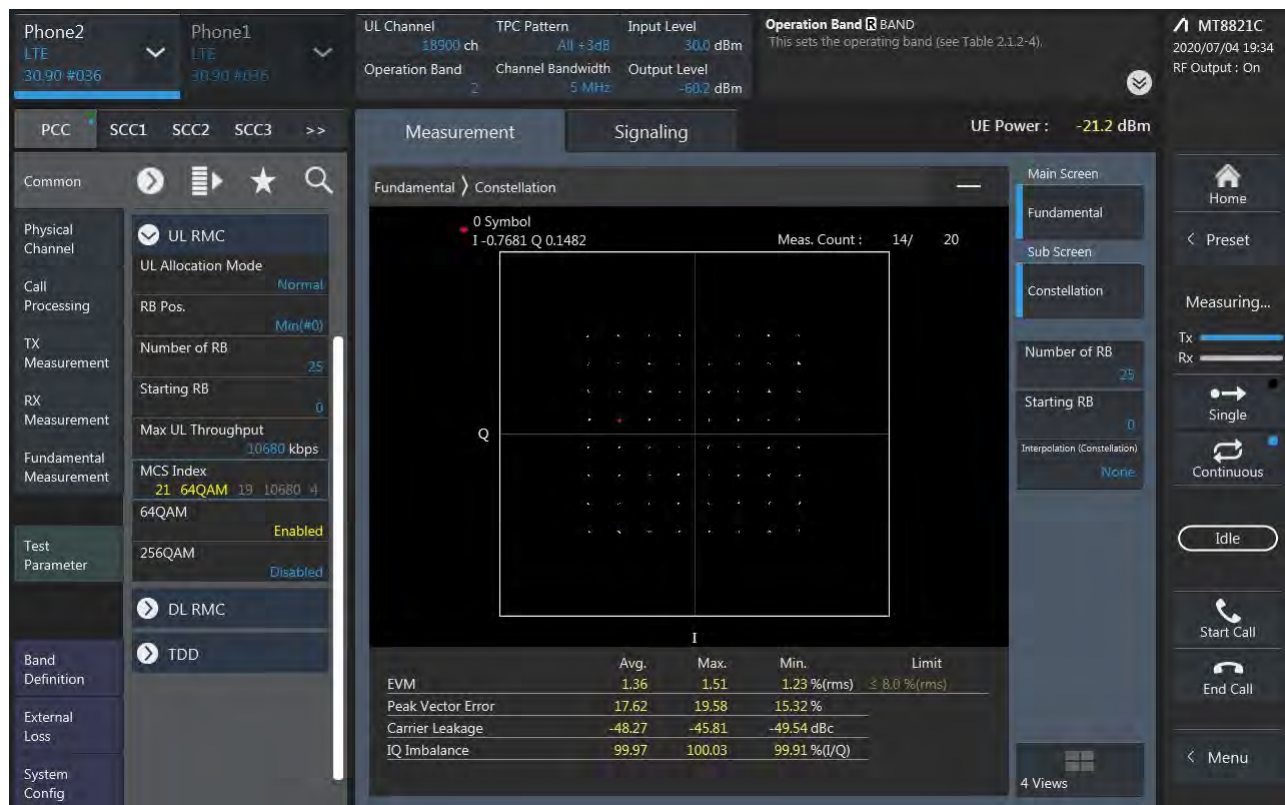
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.287	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.299	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.284	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.094	1.284	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.094	1.290	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.094	1.284	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.287	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.281	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.281	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.916	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.934	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.922	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.685	2.898	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.685	2.910	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.685	2.910	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.673	2.904	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.904	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.898	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.840	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.850	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.870	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.466	4.830	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.476	4.830	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.850	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.840	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.850	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.560	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.580	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.600	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.931	9.580	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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com



Band2	10MHz	64QAM	18900	50RB#0	8.931	9.580	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.931	9.540	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.620	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.640	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.660	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.700	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.670	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.427	14.670	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.427	14.730	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.427	14.700	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.427	14.760	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.670	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.457	14.700	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.427	14.730	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	19.320	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.862	19.200	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.862	19.280	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.902	19.280	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.862	19.280	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.822	19.240	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.902	19.360	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.280	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.360	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

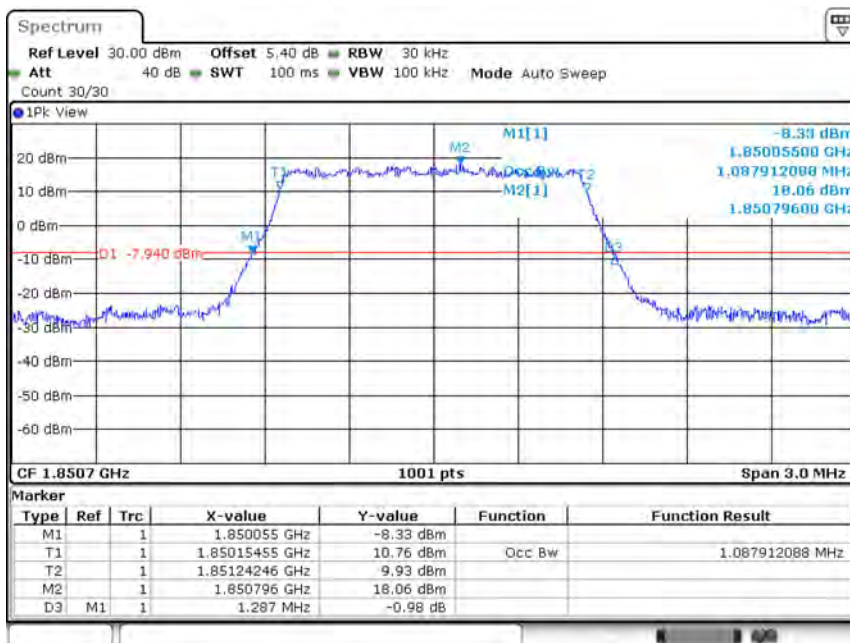
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.088



Date 23 JUN 2020 10:42:51



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

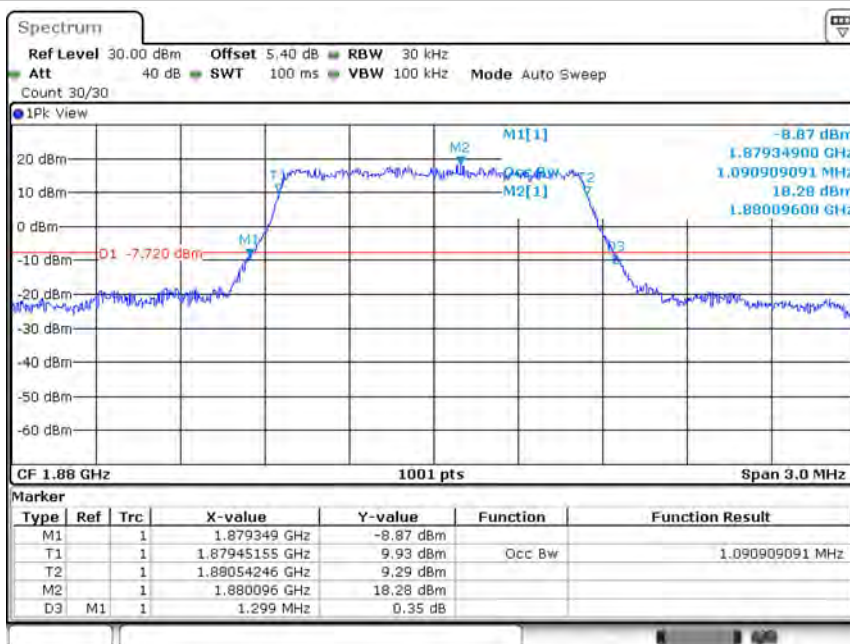
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



Band2-1.4MHz-QPSK-18900-6RB#0-1.091

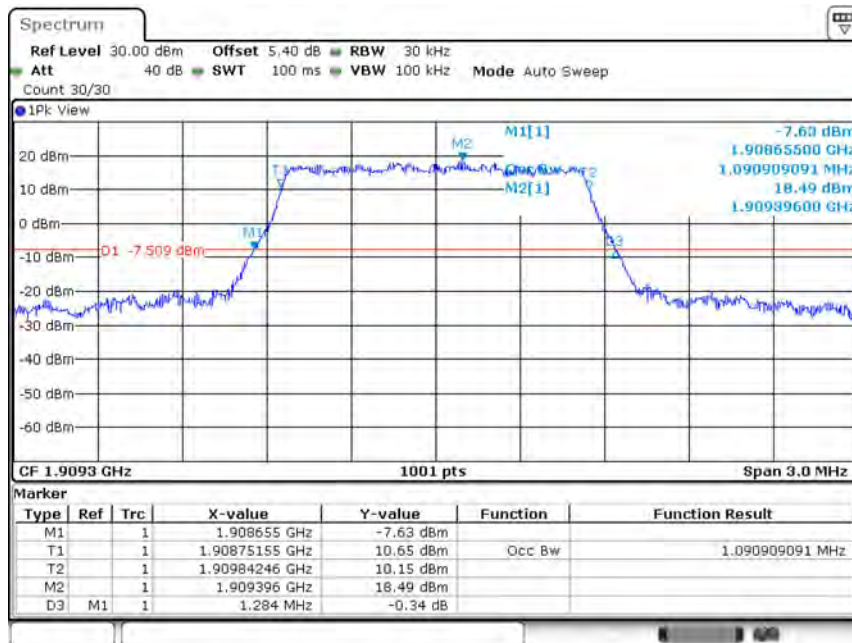


Date: 23 JUN 2020 10:43:17



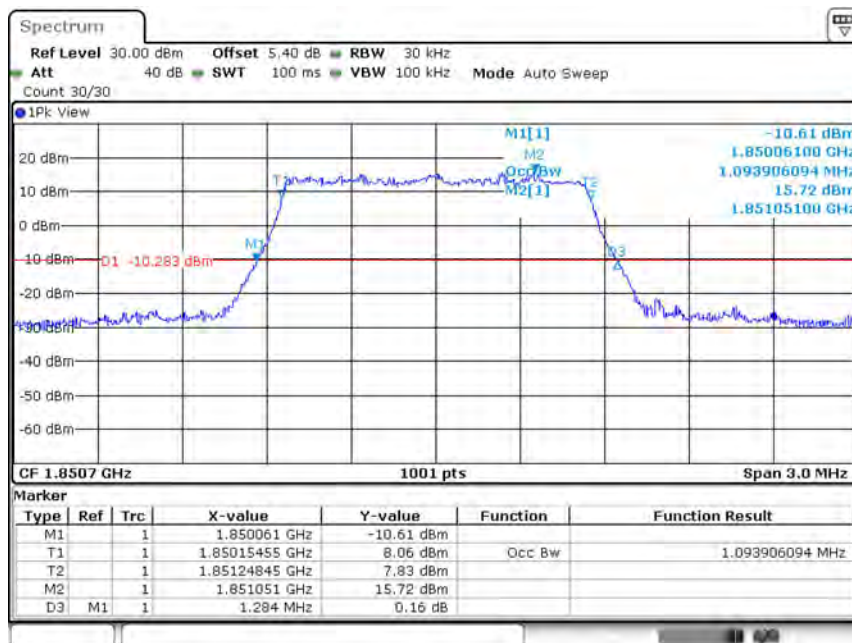
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgsgroup.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

Band2-1.4MHz-QPSK-19193-6RB#0-1.091



Date: 23 JUN 2020 10:43:42

Band2-1.4MHz-64QAM-18607-6RB#0-1.094



Date: 23 JUN 2020 14:22:42



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

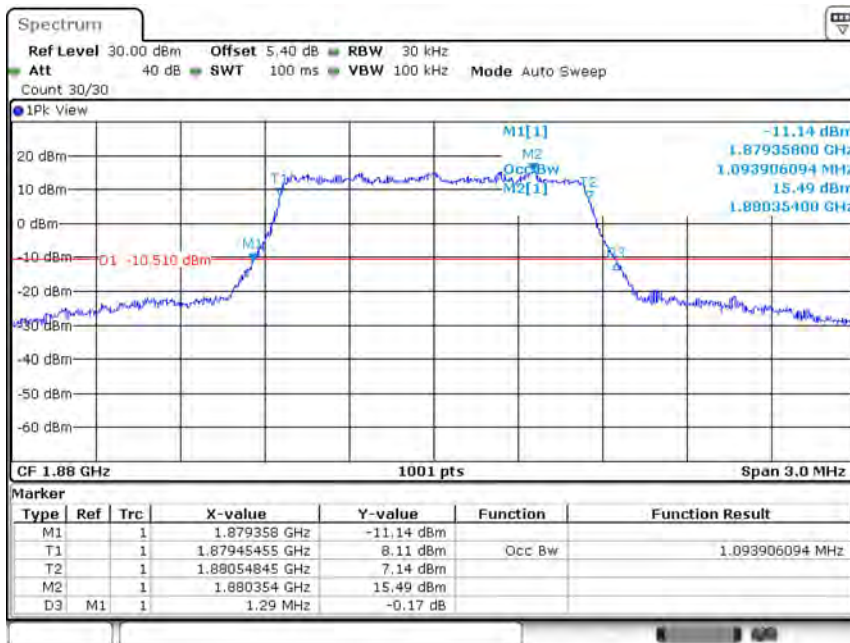
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F Unit 2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

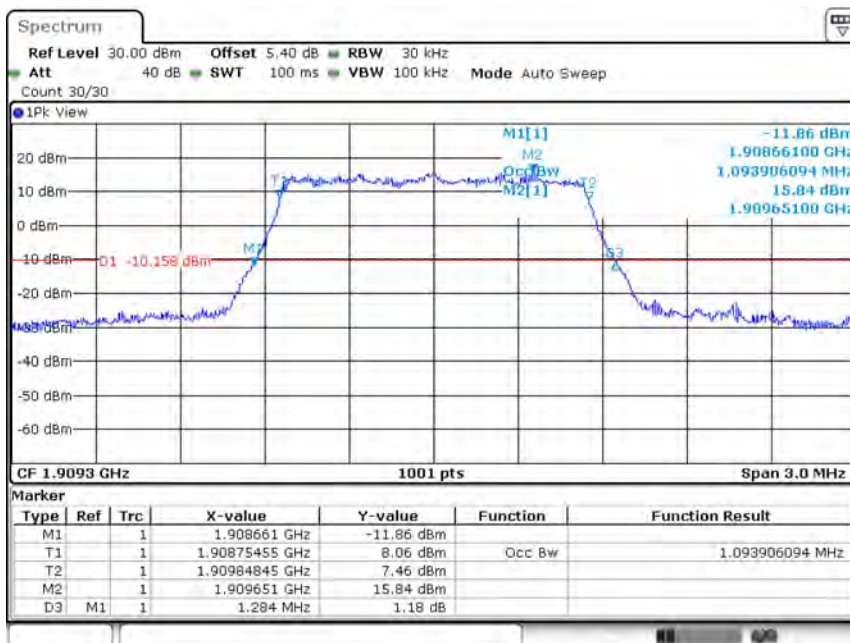
Member of the SGS Group (SGS SA)

Band2-1.4MHz-64QAM-18900-6RB#0-1.094



Date: 23 JUN 2020 14:22:55

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



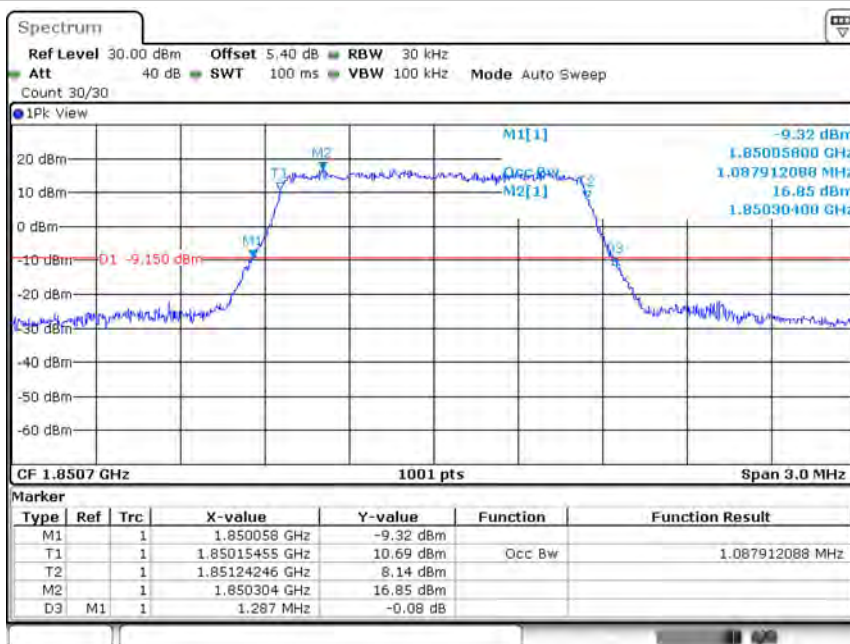
Date: 23 JUN 2020 14:23:08



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

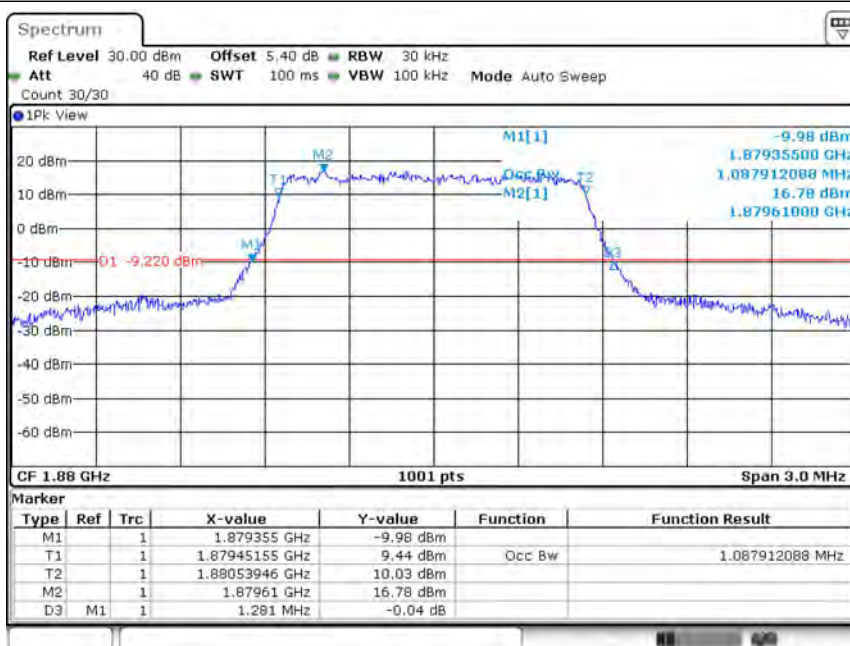
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F Unit 2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgs.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 23 JUN 2020 10:43:04

Band2-1.4MHz-16QAM-18900-6RB#0-1.088



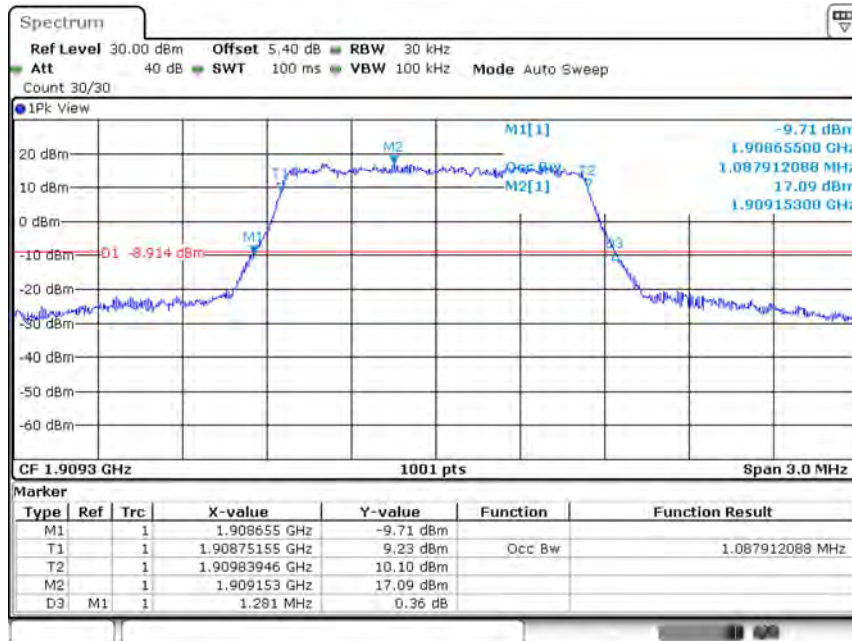
Date: 23 JUN 2020 10:43:30



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

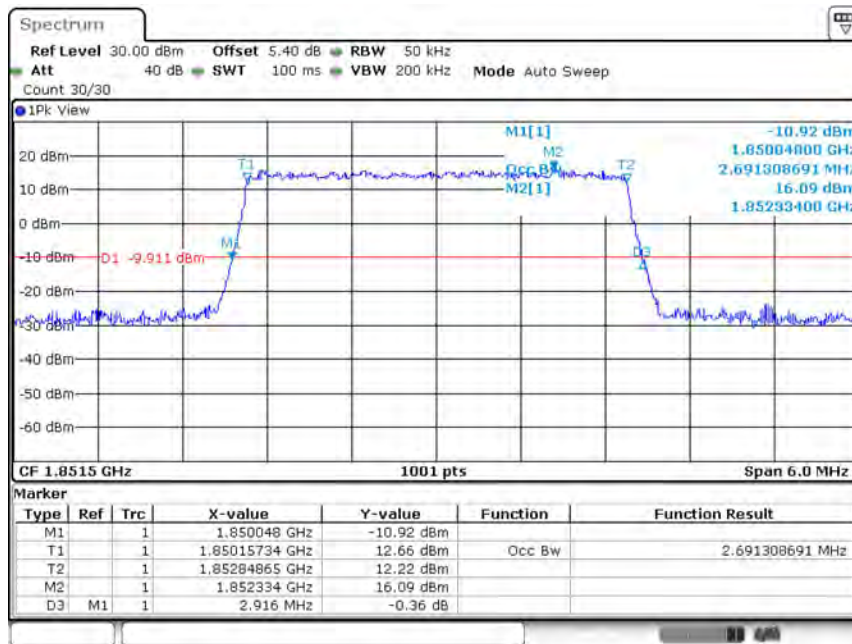
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgs.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

Band2-1.4MHz-16QAM-19193-6RB#0-1.088



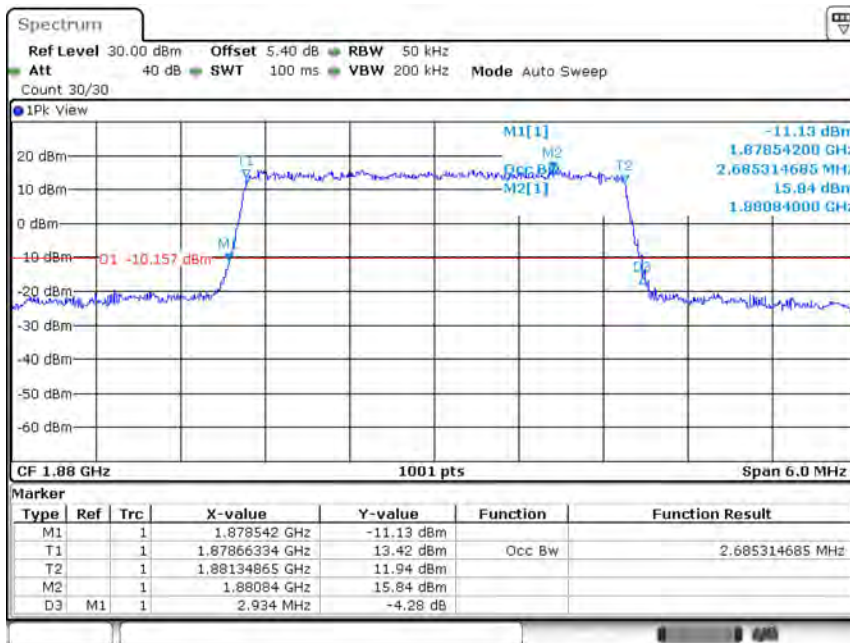
Date: 23 JUN 2020 10:43:55

Band2-3MHz-QPSK-18615-15RB#0-2.691



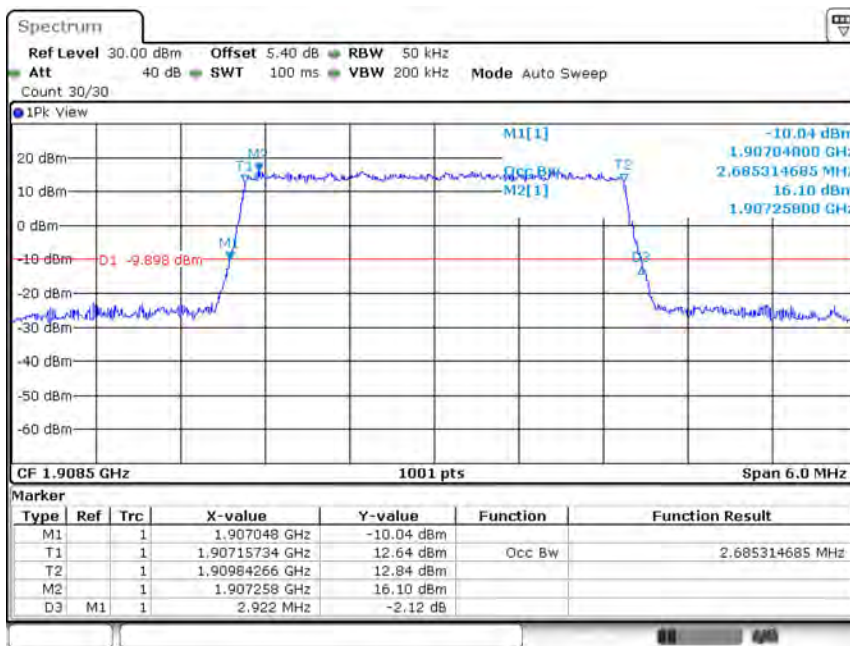
Date: 23 JUN 2020 10:44:13

Band2-3MHz-QPSK-18900-15RB#0-2.685



Date: 23 JUN 2020 10:44:38

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



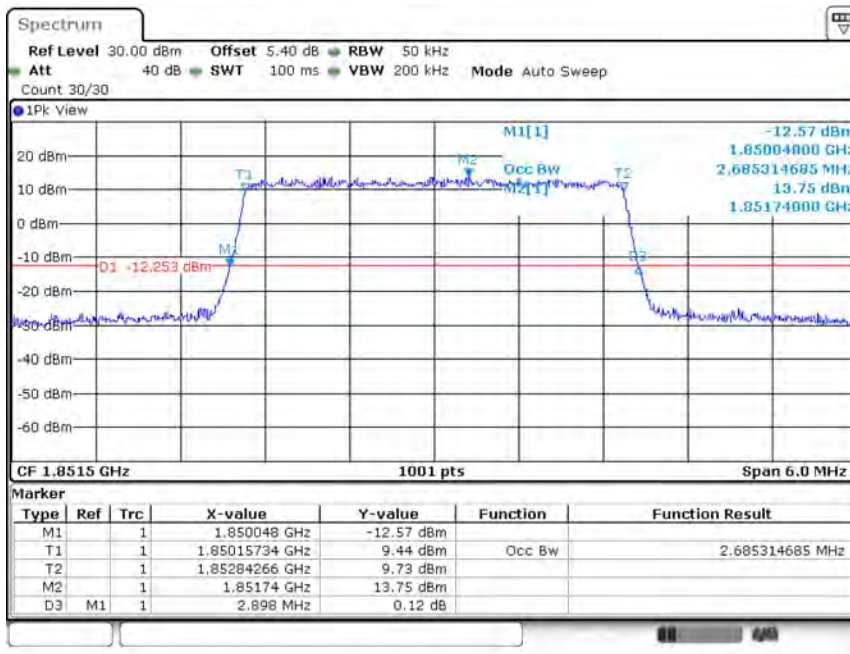
Date: 23 JUN 2020 10:45:04



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

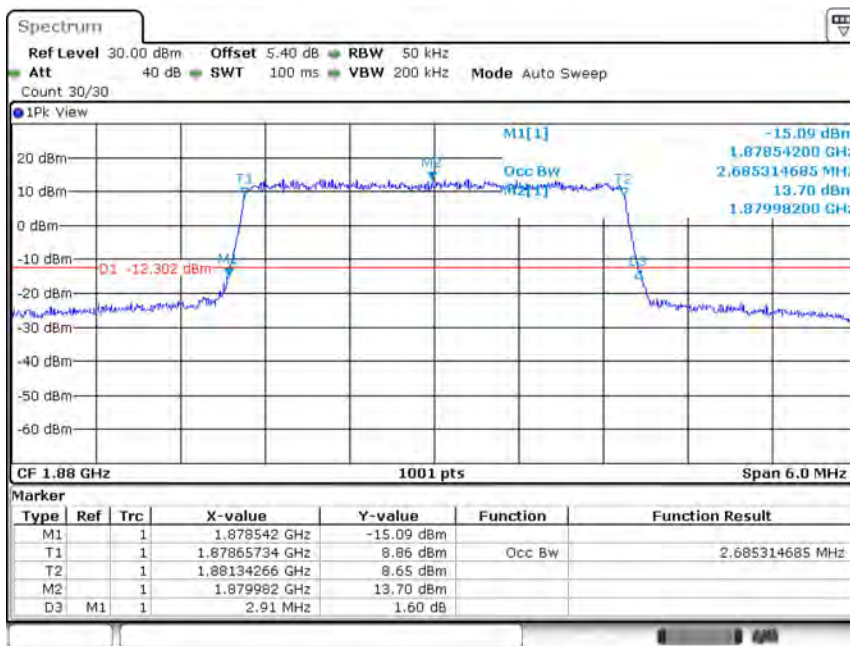
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
V/F Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
t (86-29) 6282 7885 www.sgs.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com

Band2-3MHz-64QAM-18615-15RB#0-2.685



Date: 23 JUN 2020 14:23:26

Band2-3MHz-64QAM-18900-15RB#0-2.685



Date: 23 JUN 2020 14:23:39

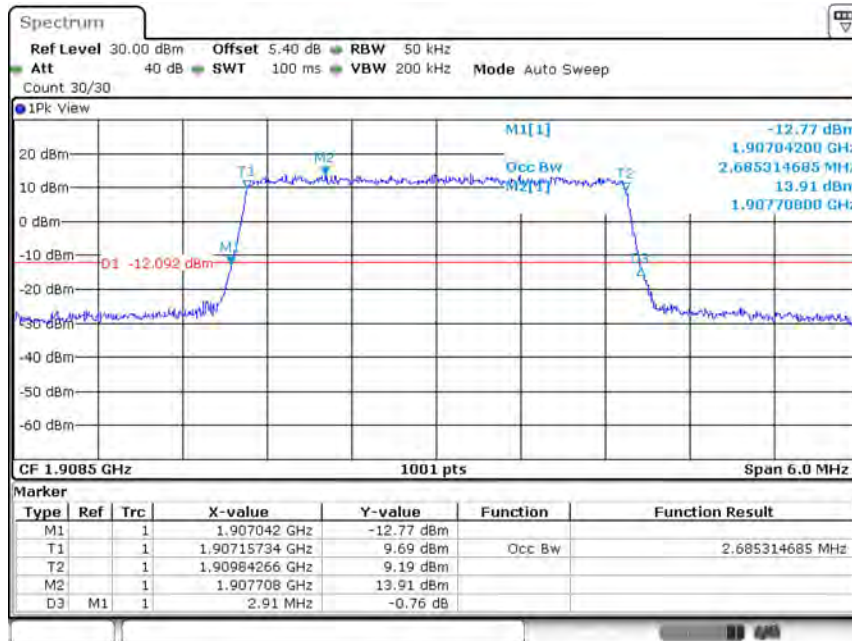


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

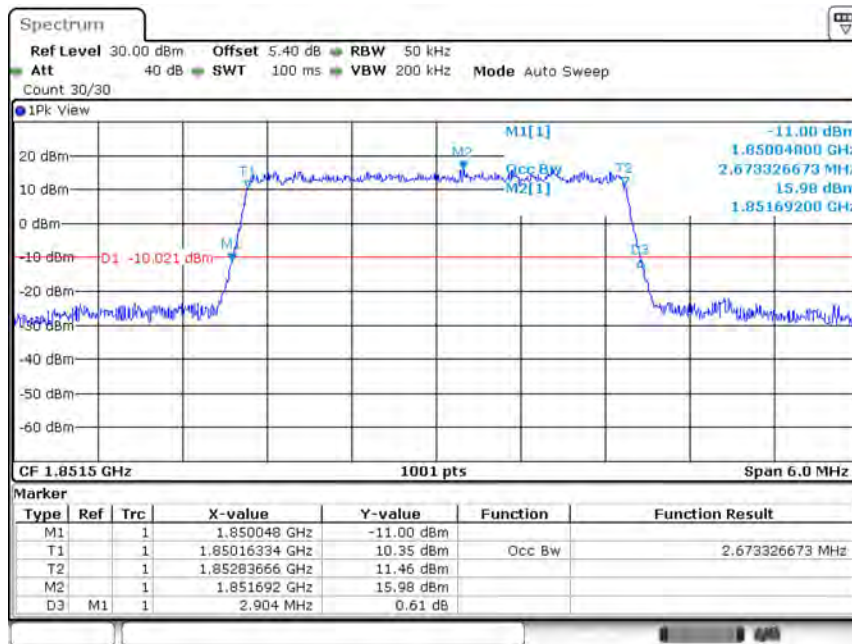
V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgsgroup.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 23 JUN 2020 14:23:52

Band2-3MHz-16QAM-18615-15RB#0-2.673



Date: 23 JUN 2020 10:44:25



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

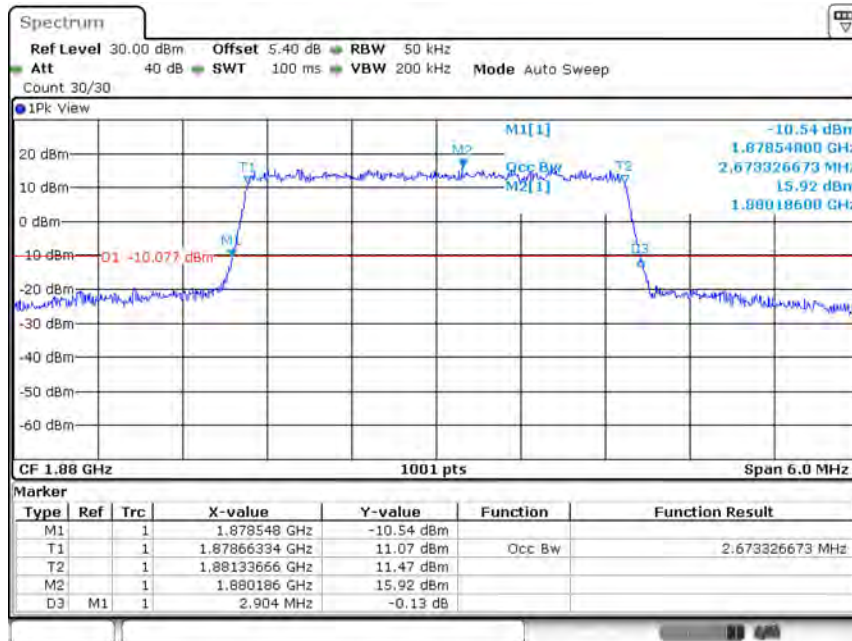
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F Unit 2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

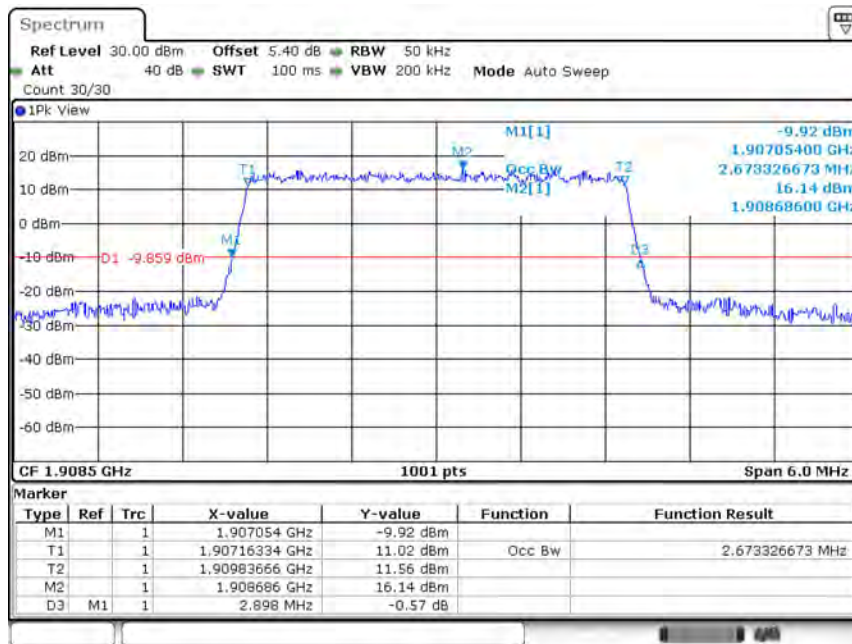
Member of the SGS Group (SGS SA)

Band2-3MHz-16QAM-18900-15RB#0-2.673



Date: 23 JUN 2020 10:44:51

Band2-3MHz-16QAM-19185-15RB#0-2.673



Date: 23 JUN 2020 10:45:17



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

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

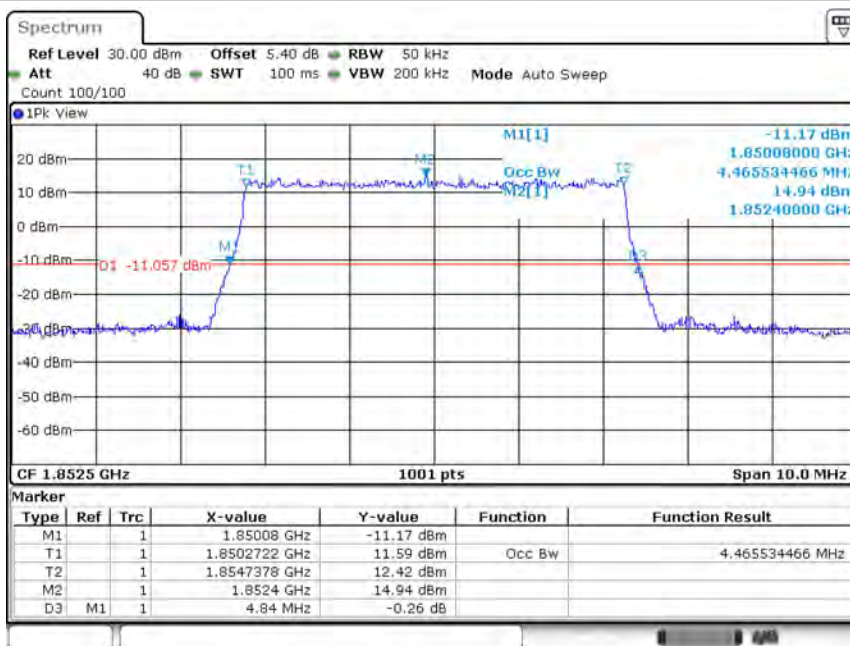
V/F Unit 02, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

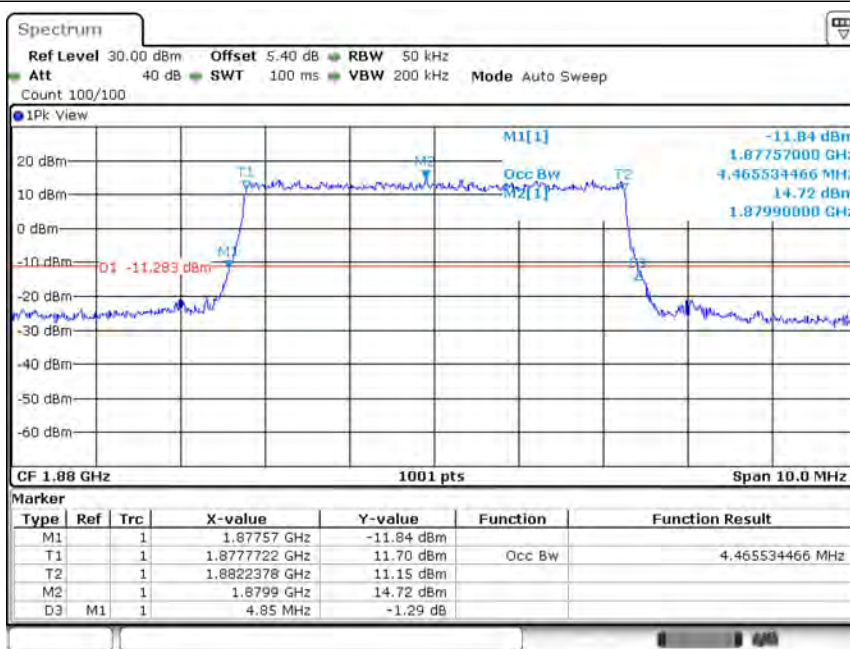


Band2-5MHz-QPSK-18625-25RB#0-4.466



Date: 23 JUN 2020 10:45:41

Band2-5MHz-QPSK-18900-25RB#0-4.466



Date: 23 JUN 2020 10:46:21



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

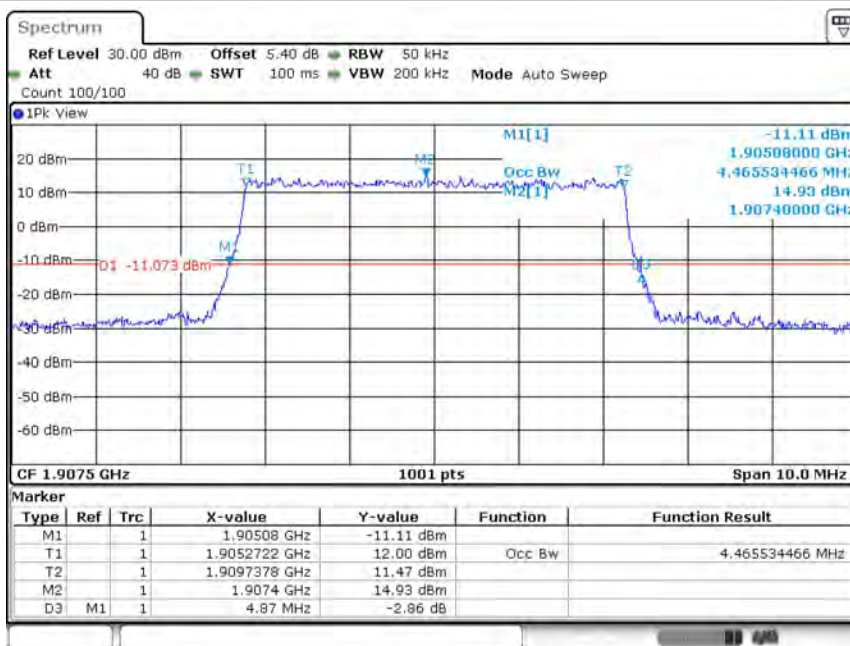
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

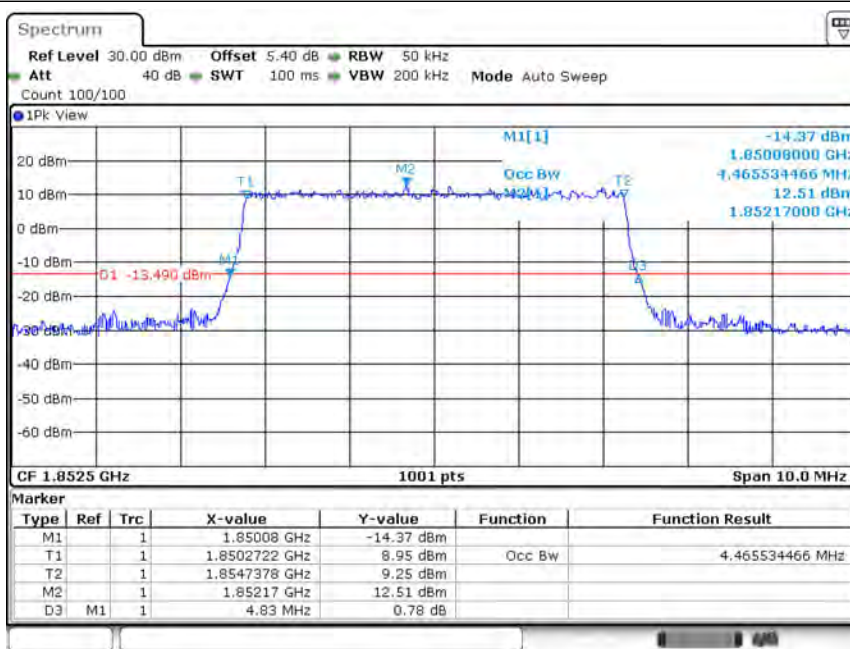


Band2-5MHz-QPSK-19175-25RB#0-4.466



Date: 23 JUN 2020 10:47:00

Band2-5MHz-64QAM-18625-25RB#0-4.466

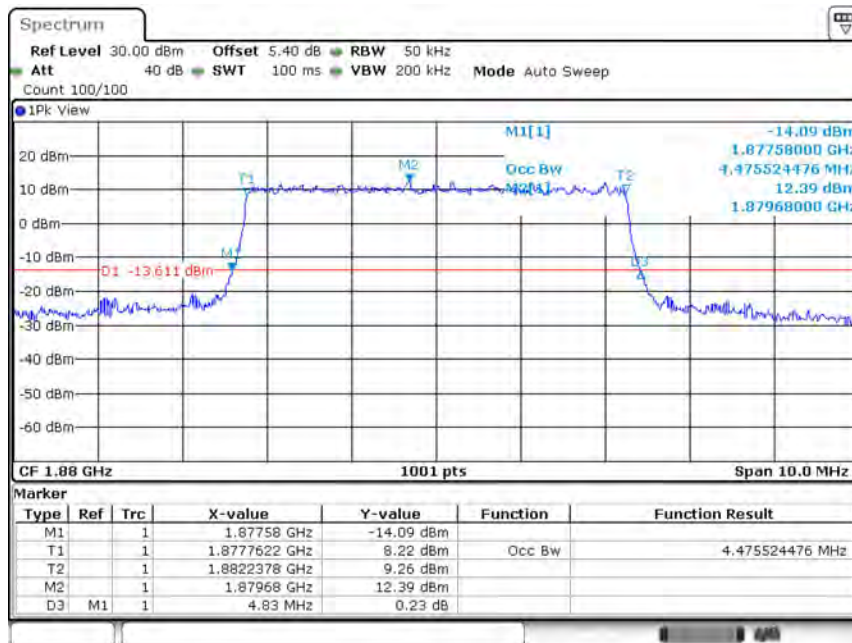


Date: 23 JUN 2020 14:24:16



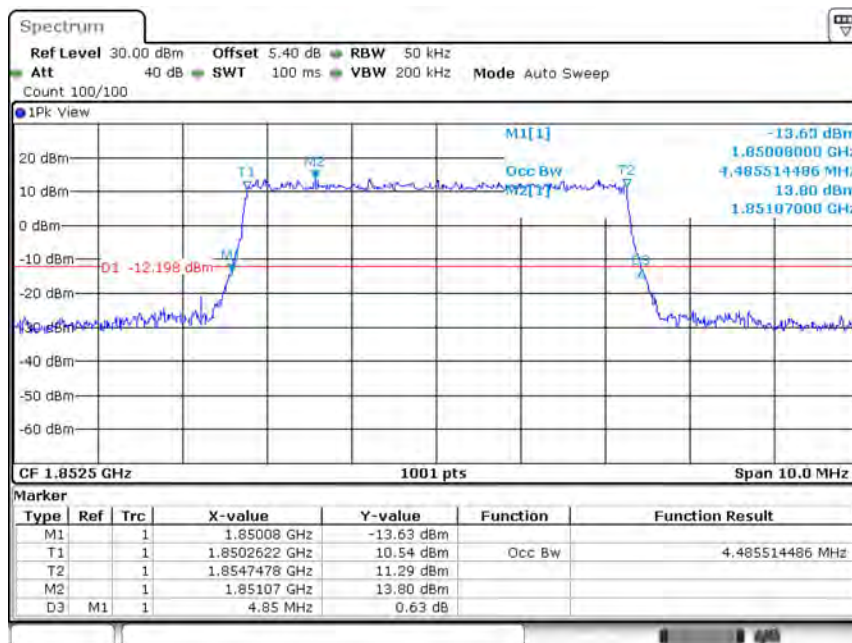
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com

Band2-5MHz-64QAM-18900-25RB#0-4.476



Date: 23 JUN 2020 14:24:36

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



Date: 23 JUN 2020 10:46:01



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

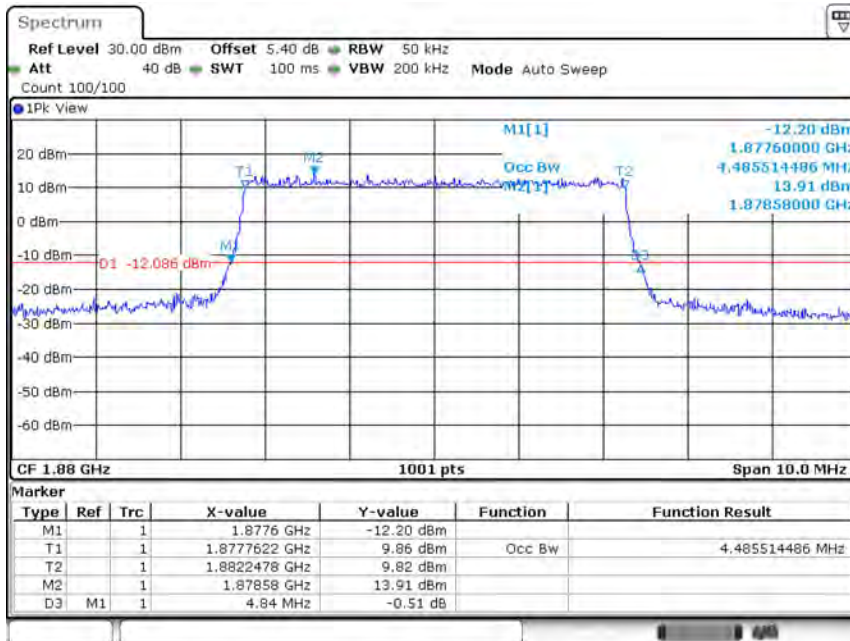
V/F Unit 2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

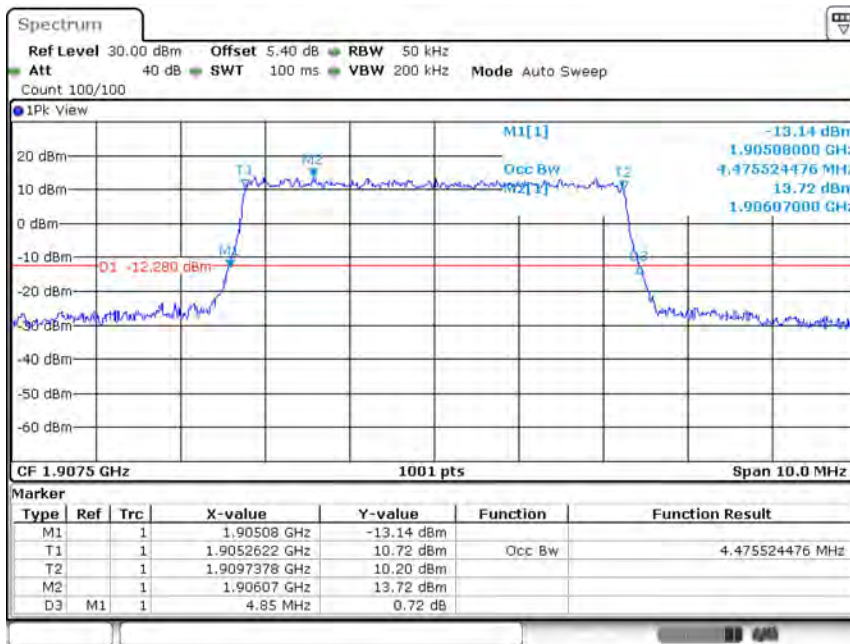


Band2-5MHz-16QAM-18900-25RB#0-4.486



Date: 23 JUN 2020 10:46:40

Band2-5MHz-16QAM-19175-25RB#0-4.476



Date: 23 JUN 2020 10:47:20



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

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

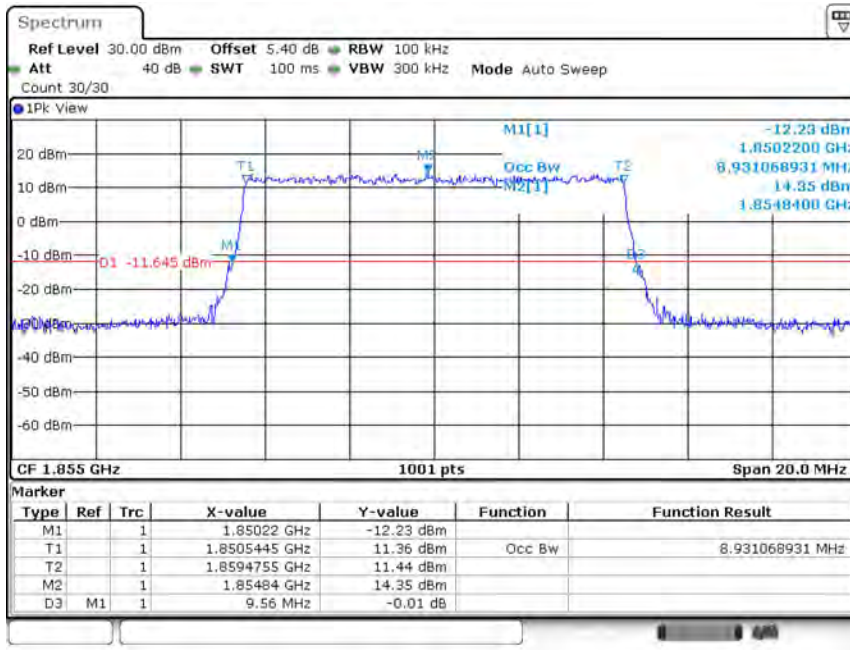
V/F Unit 02, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

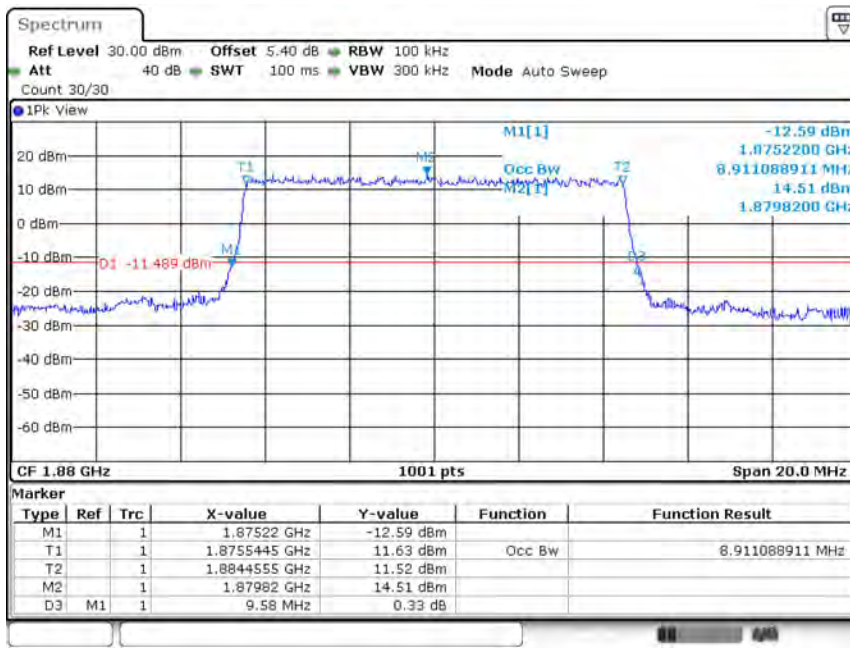


Band2-10MHz-QPSK-18650-50RB#0-8.931



Date: 23 JUN 2020 10:47:38

Band2-10MHz-QPSK-18900-50RB#0-8.911



Date: 23 JUN 2020 10:48:03



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

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

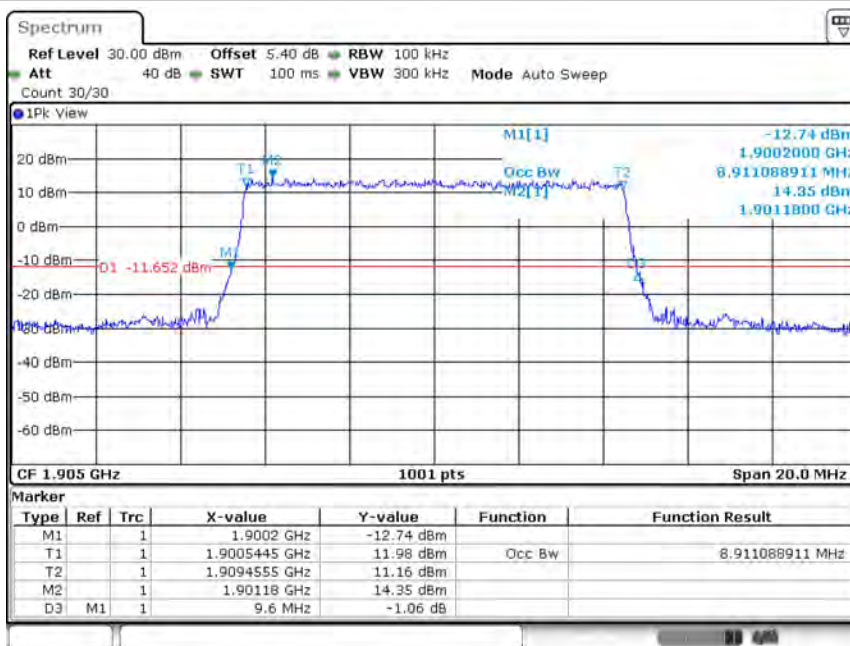
V/F Unit 02, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

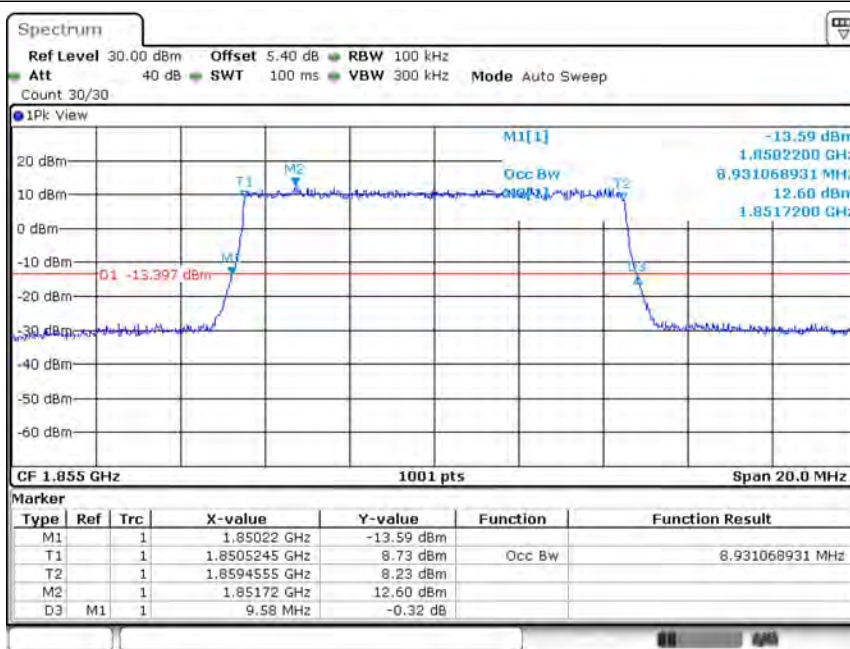


Band2-10MHz-QPSK-19150-50RB#0-8.911



Date: 23 JUN 2020 10:48:29

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



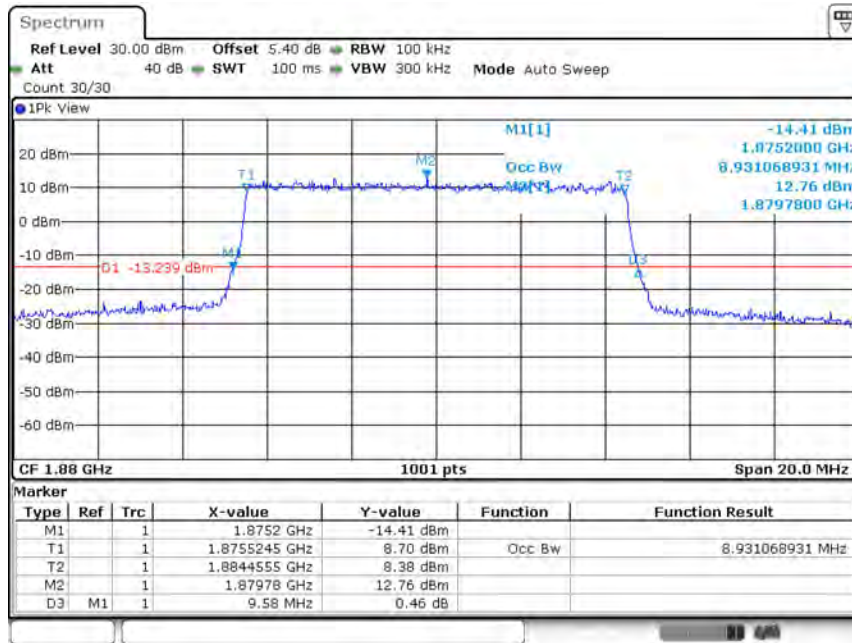
Date: 24 JUN 2020 01:39:41



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

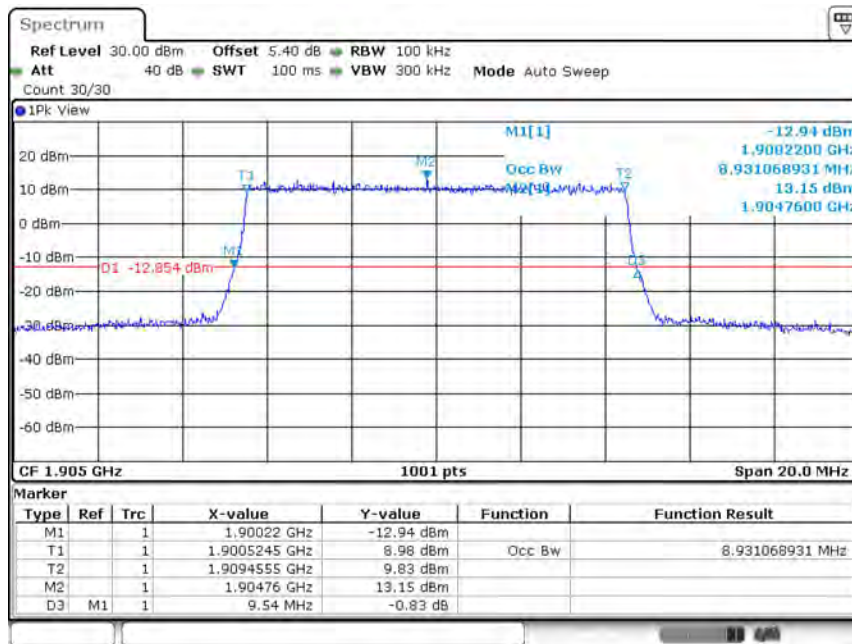
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgsgroup.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

Band2-10MHz-64QAM-18900-50RB#0-8.931



Date: 24 JUN 2020 01:39:54

Band2-10MHz-64QAM-19150-50RB#0-8.931



Date: 24 JUN 2020 01:40:07



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

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

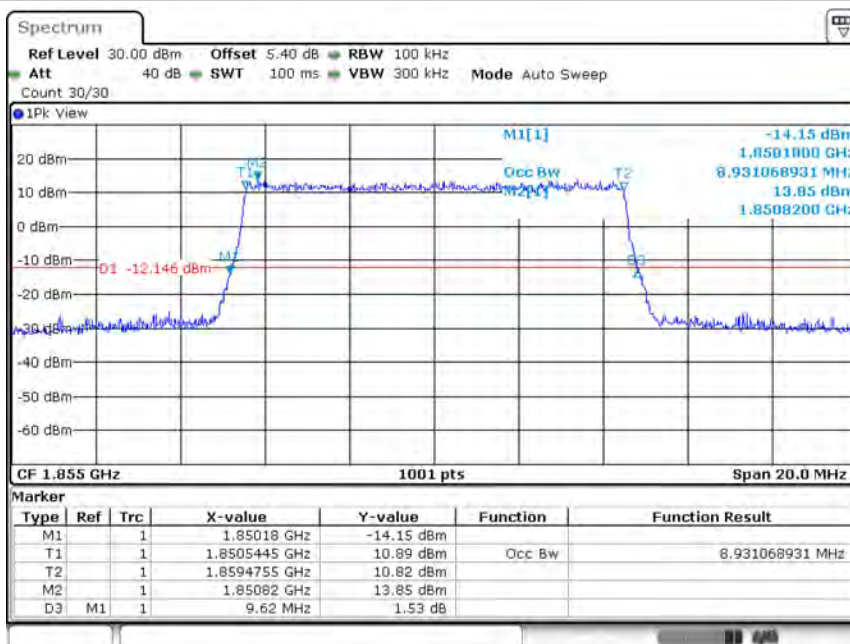
V/F Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

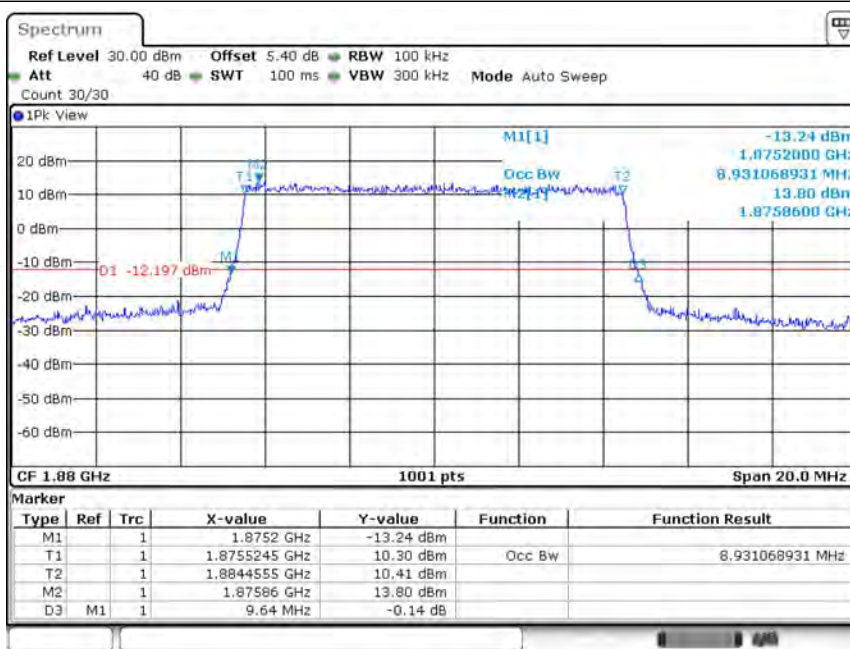


Band2-10MHz-16QAM-18650-50RB#0-8.931



Date: 23 JUN 2020 10:47:50

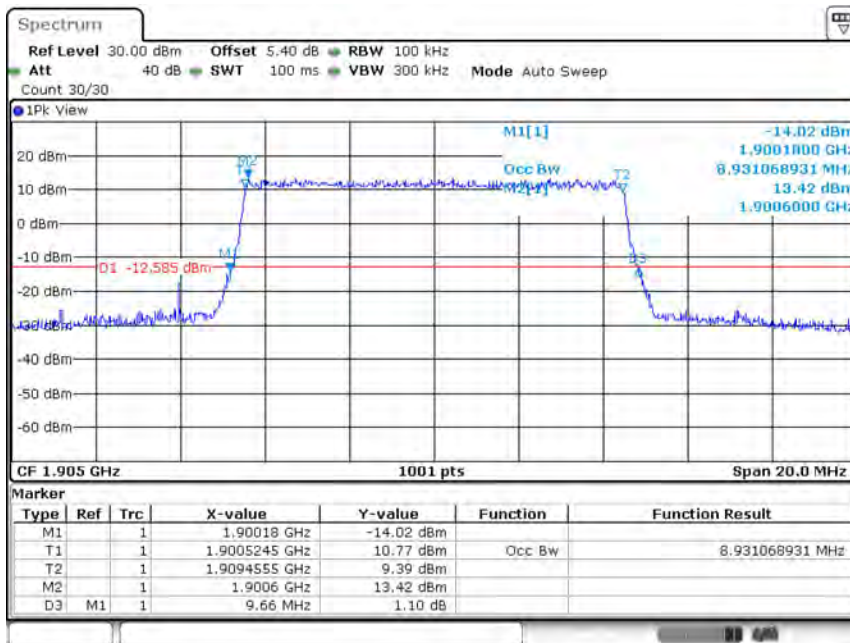
Band2-10MHz-16QAM-18900-50RB#0-8.931



Date: 23 JUN 2020 10:48:16

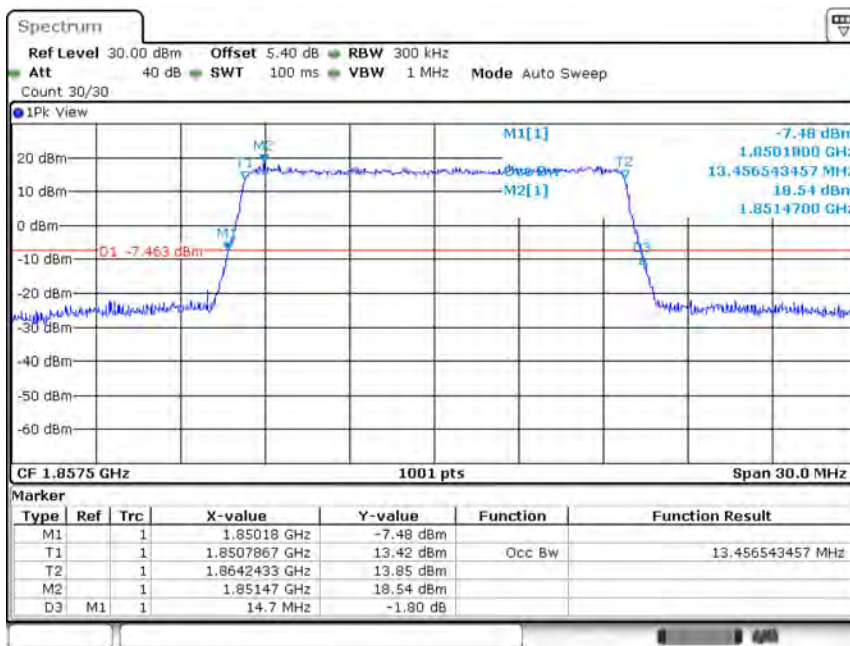


Band2-10MHz-16QAM-19150-50RB#0-8.931



Date: 23 JUN 2020 10:48:42

Band2-15MHz-QPSK-18675-75RB#0-13.457



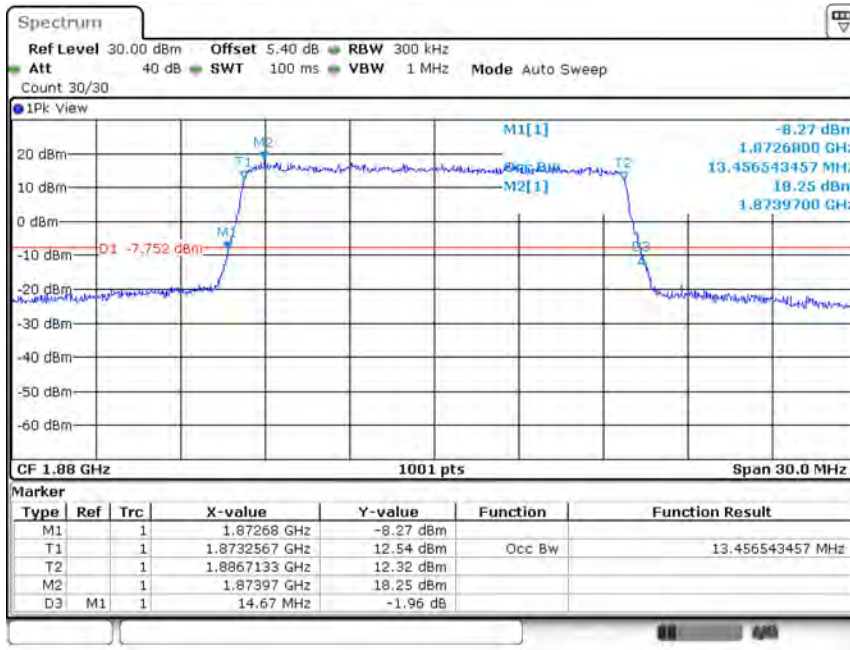
Date: 23 JUN 2020 10:48:59



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

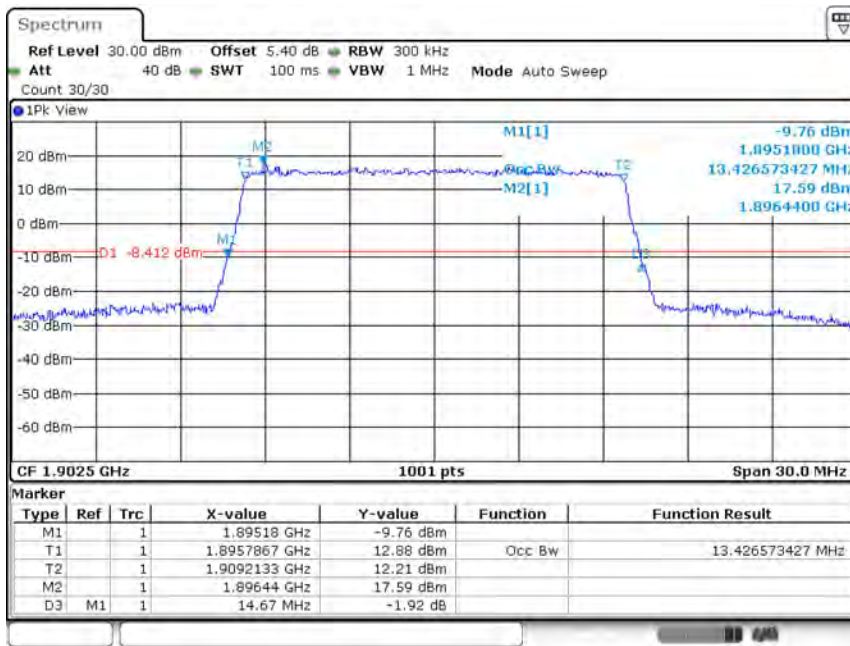
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xian, Shaanxi, China 710086
 中国·西安·洋东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgs.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

Band2-15MHz-QPSK-18900-75RB#0-13.457



Date: 23 JUN 2020 10:49:25

Band2-15MHz-QPSK-19125-75RB#0-13.427



Date: 23 JUN 2020 10:49:50



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

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

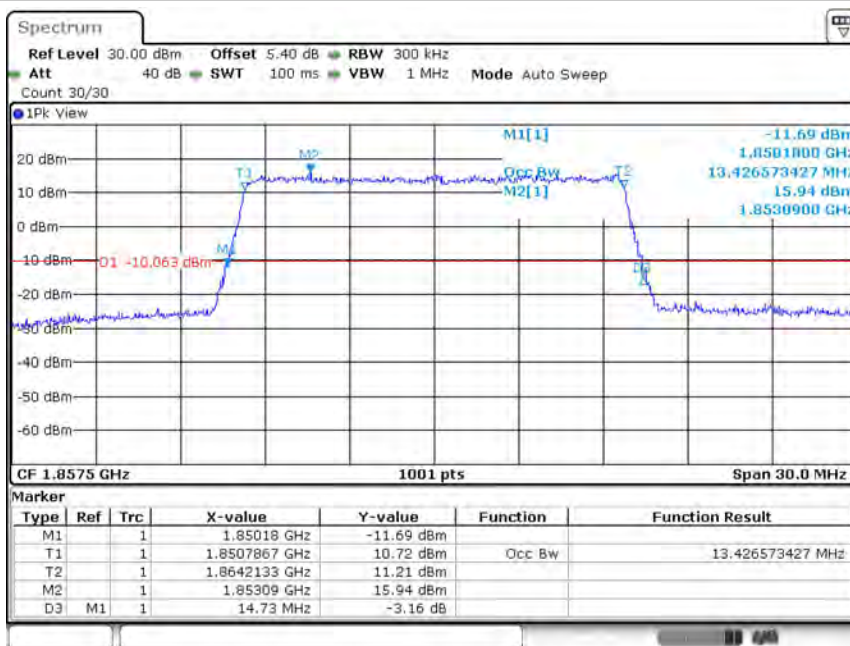
V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xian, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

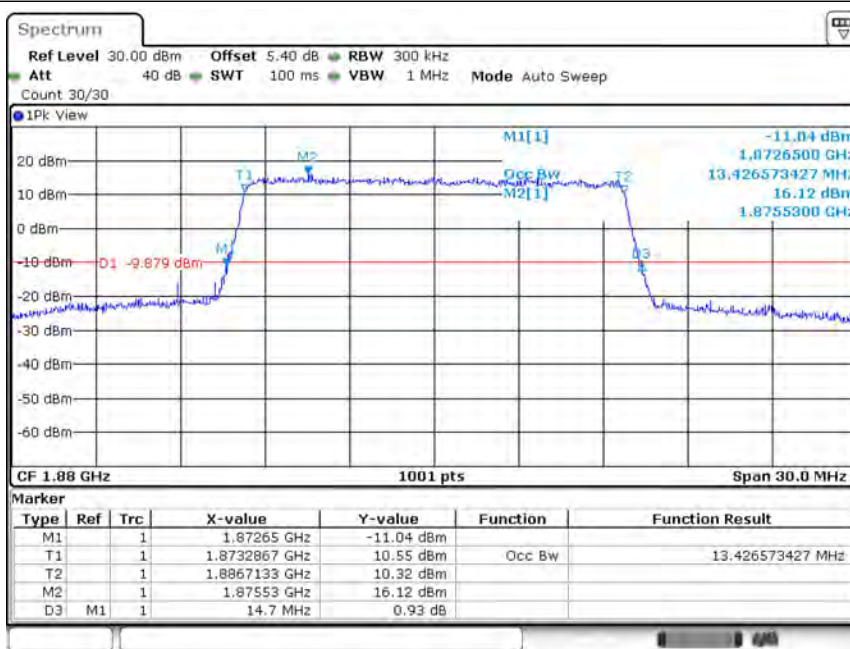


Band2-15MHz-64QAM-18675-75RB#0-13.427



Date: 24 JUN 2020 01:40:24

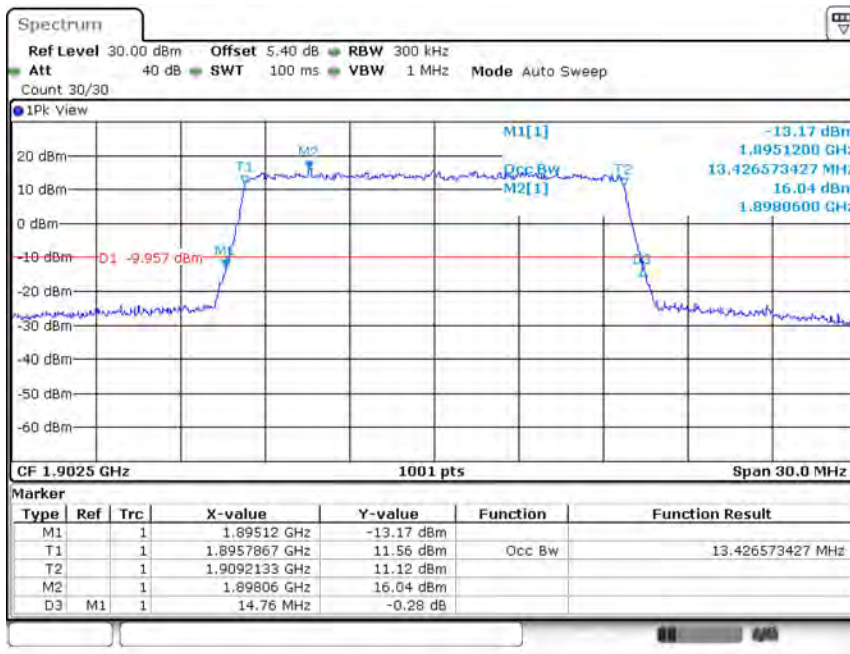
Band2-15MHz-64QAM-18900-75RB#0-13.427



Date: 24 JUN 2020 01:40:37

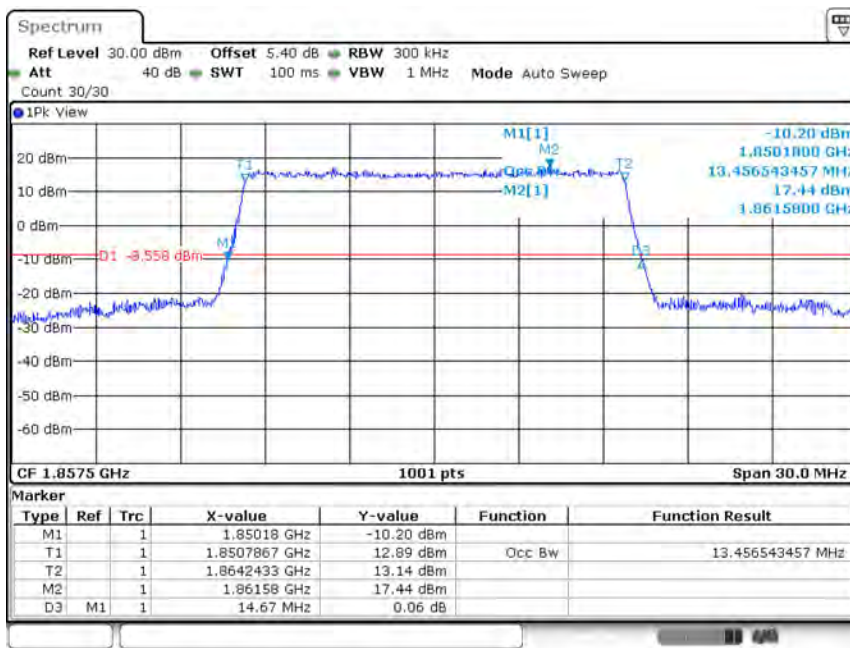


Band2-15MHz-64QAM-19125-75RB#0-13.427



Date: 24 JUN 2020 01:40:50

Band2-15MHz-16QAM-18675-75RB#0-13.457



Date: 23 JUN 2020 10:49:12



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless 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-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.

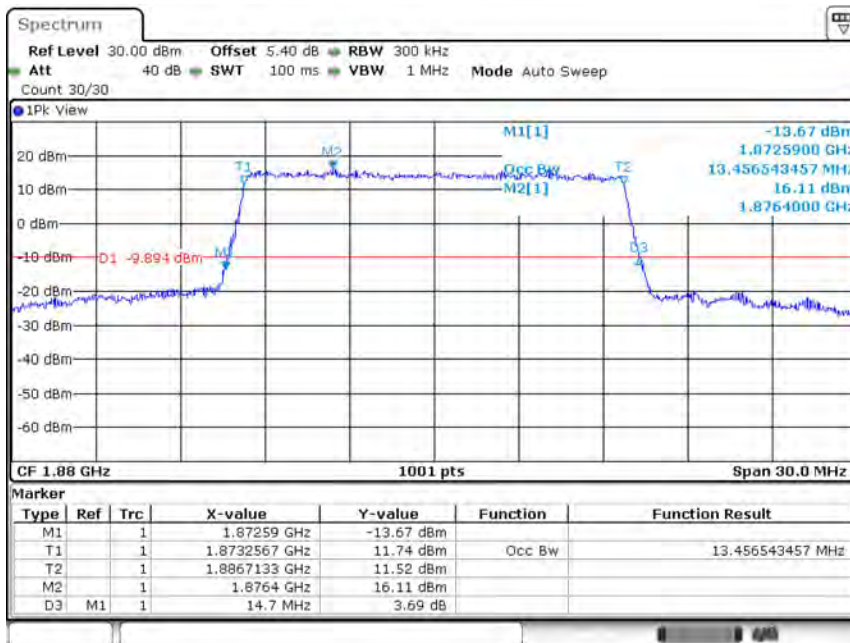
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F Unit 2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

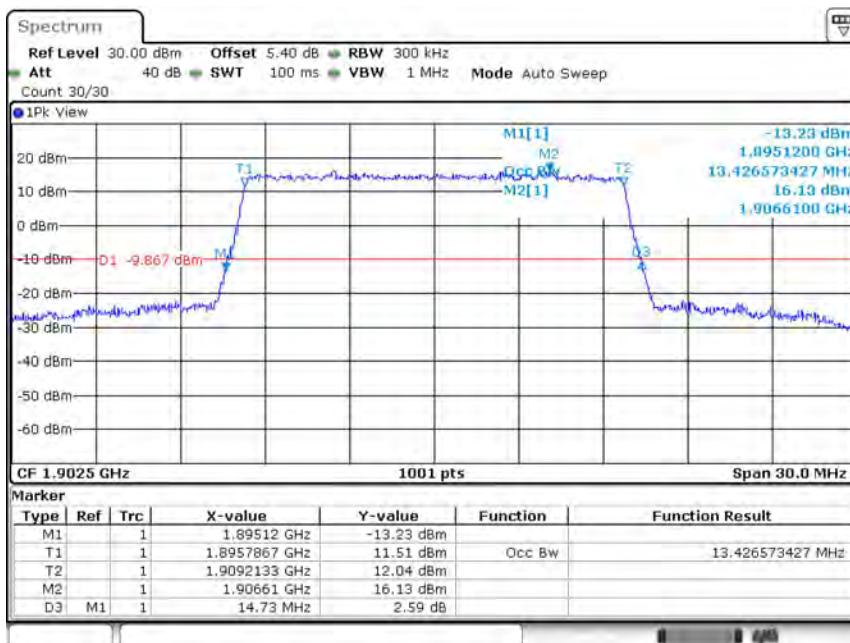
Member of the SGS Group (SGS SA)

Band2-15MHz-16QAM-18900-75RB#0-13.457



Date: 23 JUN 2020 10:49:37

Band2-15MHz-16QAM-19125-75RB#0-13.427



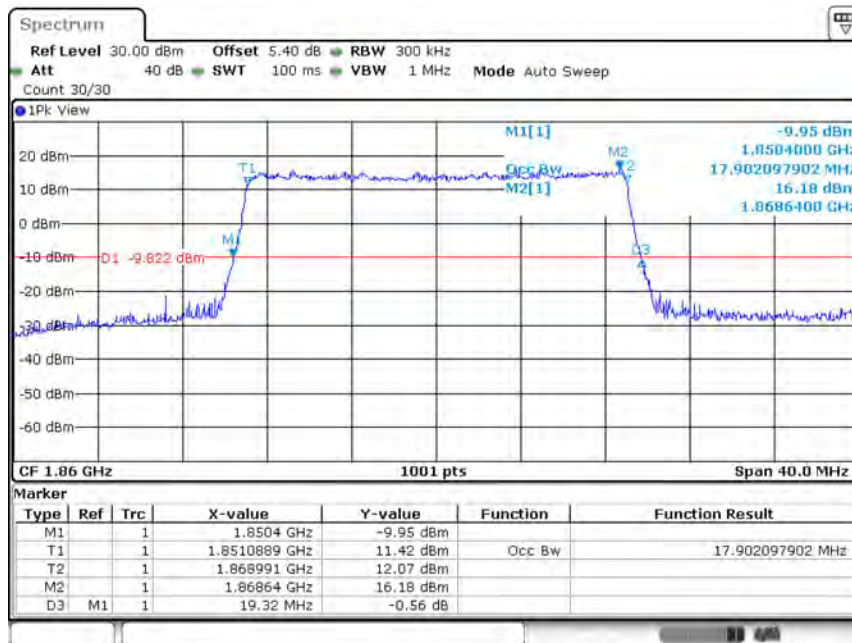
Date: 23 JUN 2020 10:50:03



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

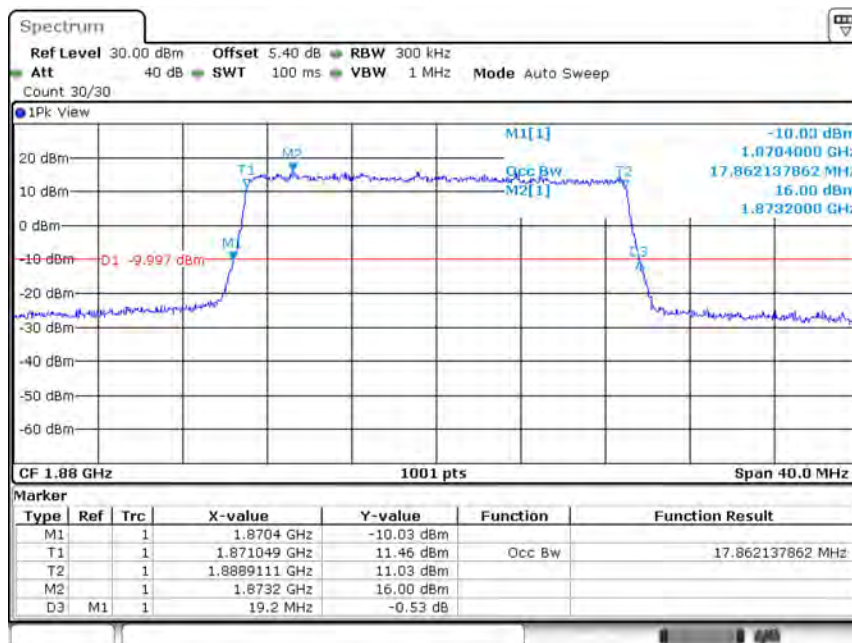
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 V/F Unit 2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
 t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

Band2-20MHz-QPSK-18700-100RB#0-17.902



Date: 23 JUN 2020 10:50:20

Band2-20MHz-QPSK-18900-100RB#0-17.862



Date: 23 JUN 2020 10:50:46



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

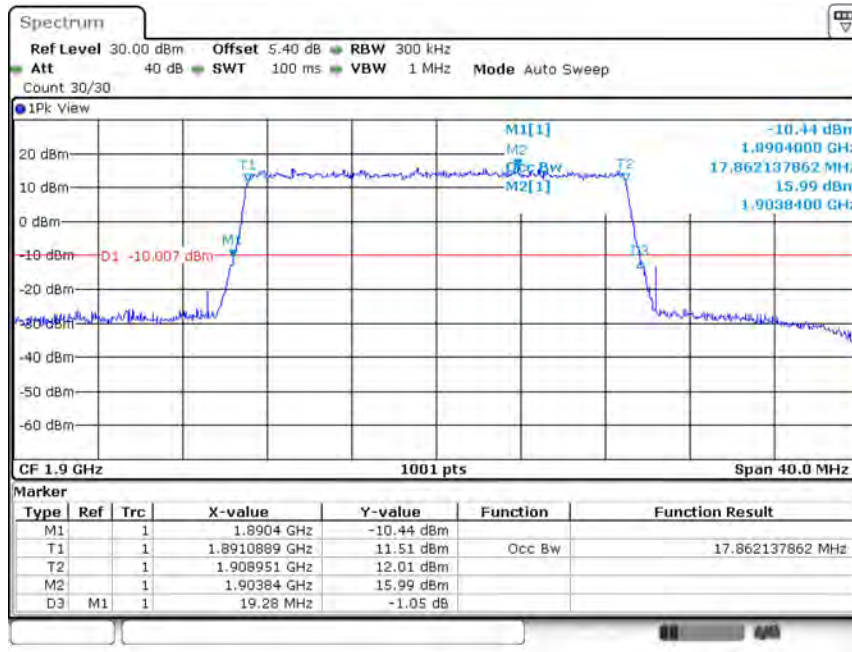
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

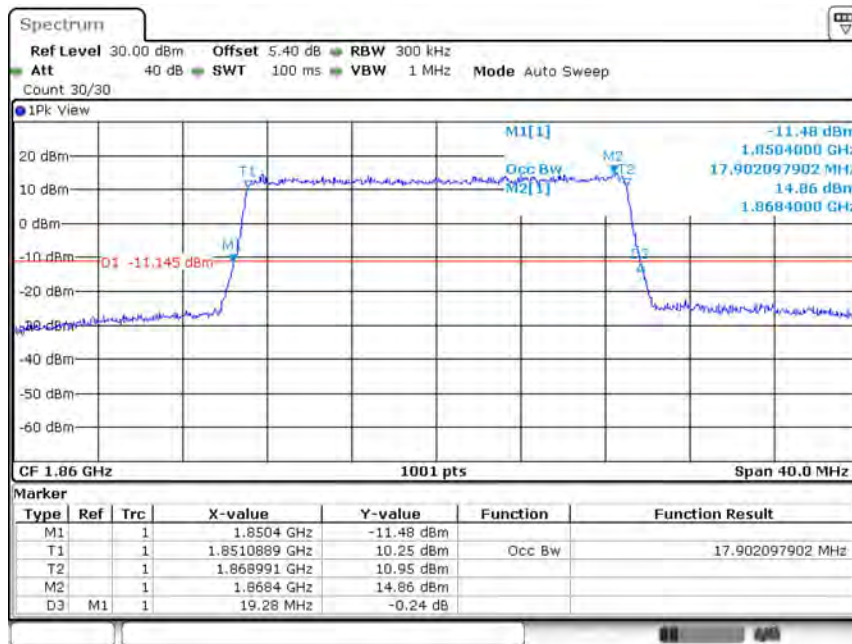
Member of the SGS Group (SGS SA)

Band2-20MHz-QPSK-19100-100RB#0-17.862



Date: 23 JUN 2020 10:51:12

Band2-20MHz-64QAM-18700-100RB#0-17.902



Date: 24 JUN 2020 01:41:08



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
 Wireless 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-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.

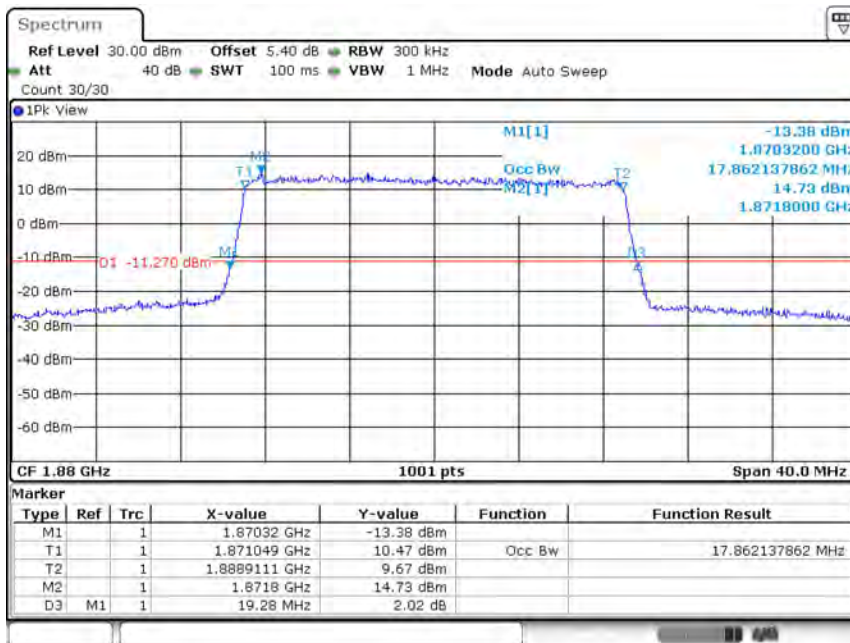
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F Unit 02, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xian, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
 f (86-29) 6282 7885 sgs.china@sgs.com

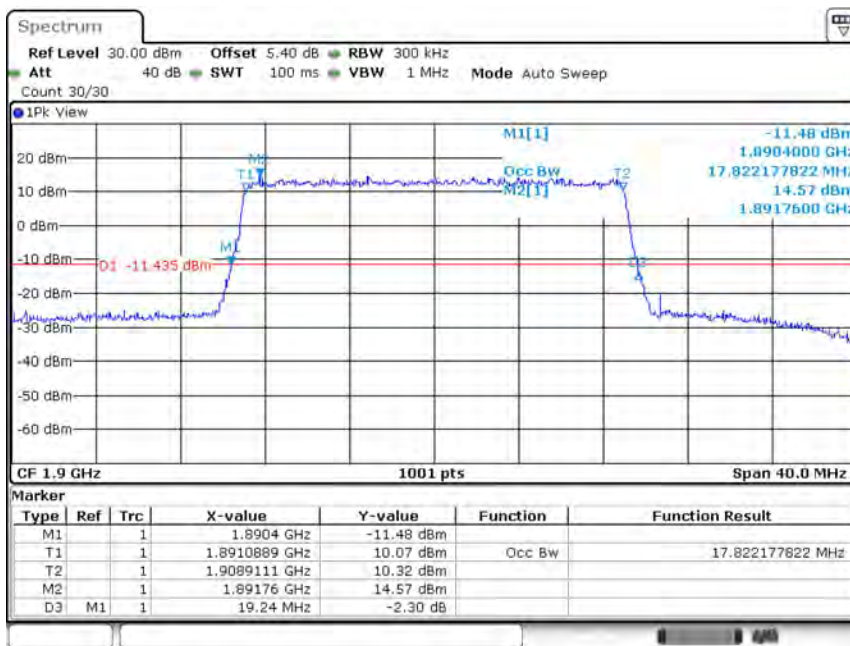
Member of the SGS Group (SGS SA)

Band2-20MHz-64QAM-18900-100RB#0-17.862



Date: 24 JUN 2020 01:41:21

Band2-20MHz-64QAM-19100-100RB#0-17.822



Date: 24 JUN 2020 01:41:33



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

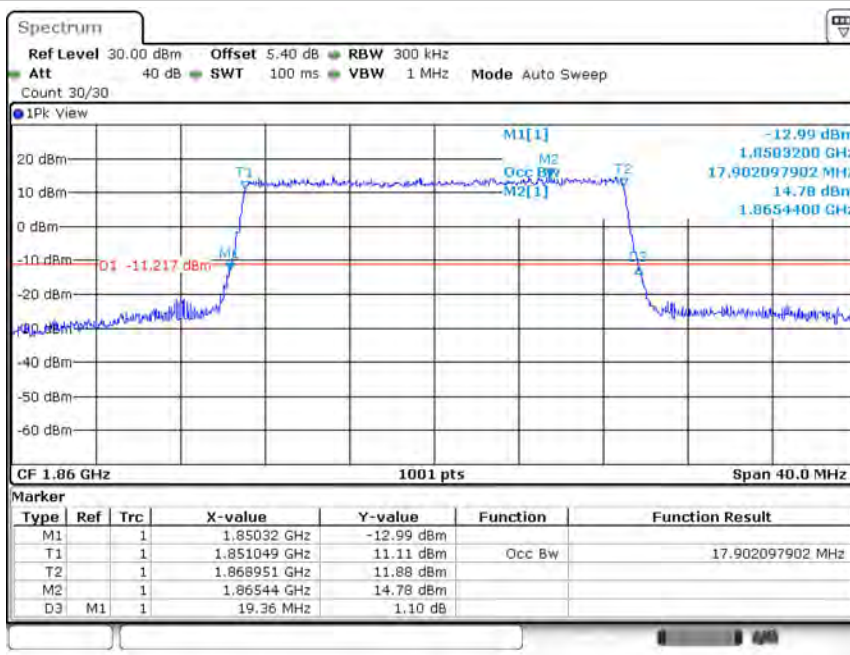
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

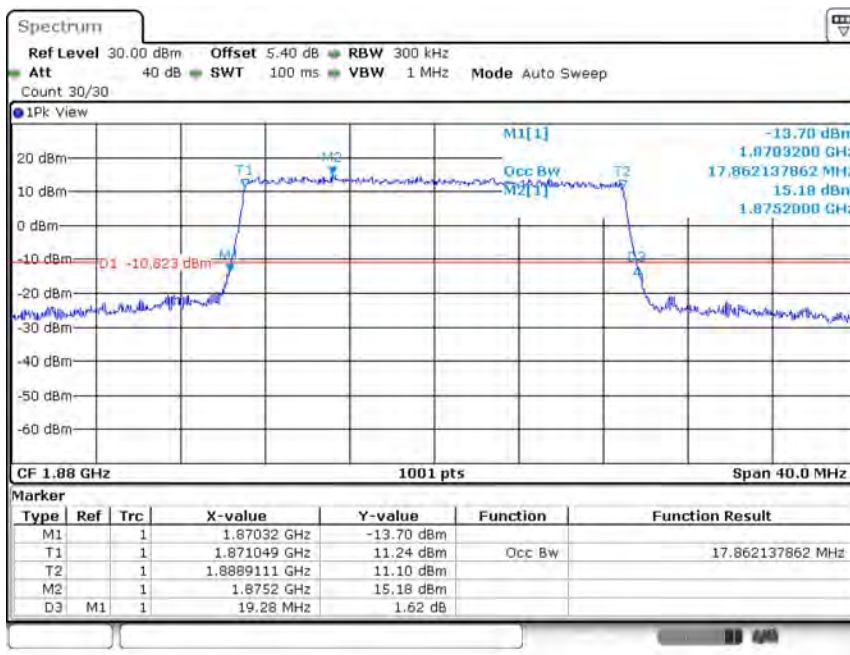
Member of the SGS Group (SGS SA)



Band2-20MHz-16QAM-18700-100RB#0-17.902

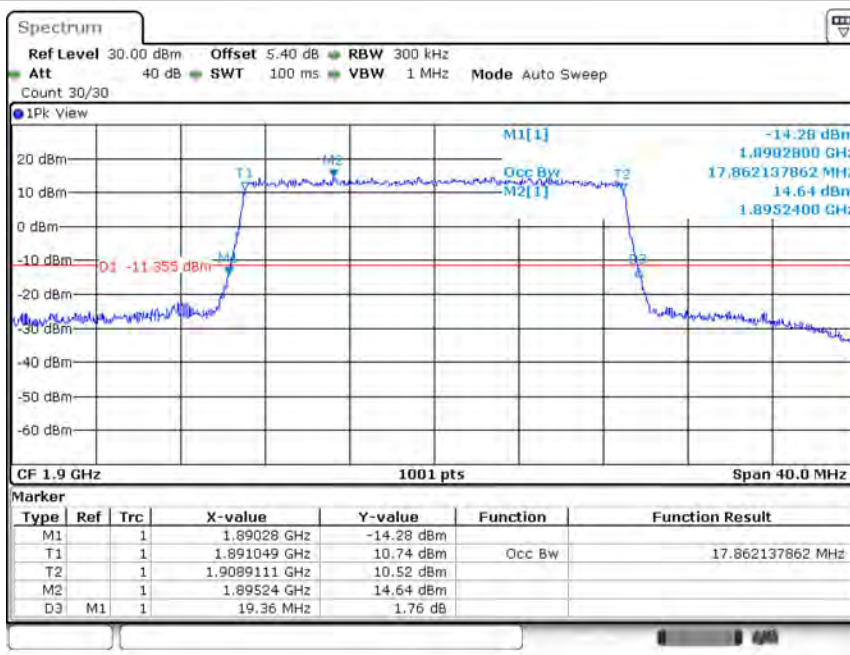


Band2-20MHz-16QAM-18900-100RB#0-17.862





Band2-20MHz-16QAM-19100-100RB#0-17.862



Date: 23 JUN 2020 10:51:24

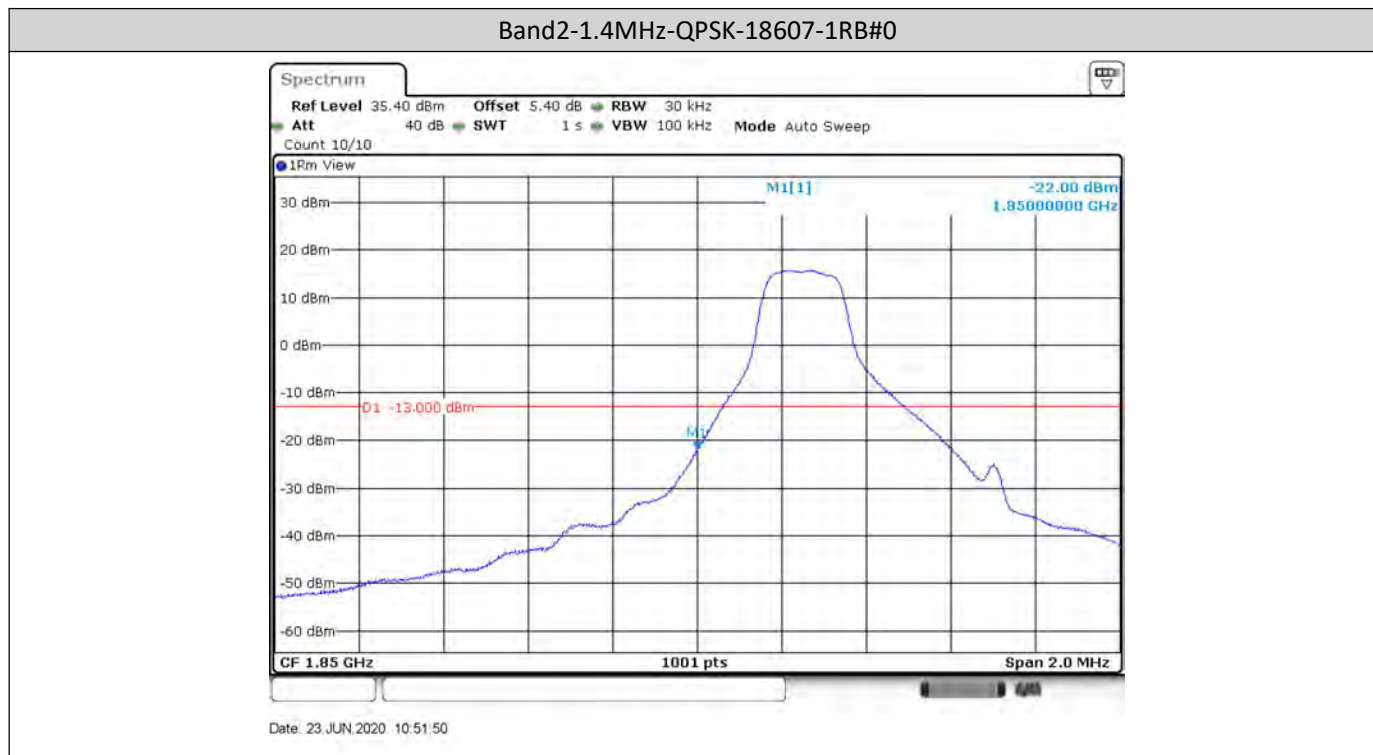


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgsgroup.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

5. Band Edge Compliance

5.1. Test Plots



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 10:54:42

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



Date: 23 JUN 2020 10:53:16



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 10:55:24

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



Date: 24 JUN 2020 01:41:59



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 24 JUN 2020 01:43:32

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



Date: 24 JUN 2020 01:42:46



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless 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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 24 JUN 2020 01:43:53

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



Date: 23 JUN 2020 10:52:10



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless 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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

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



Date: 23 JUN 2020 10:55:03

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



Date: 23 JUN 2020 10:53:37



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 10:55:45

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



Date: 23 JUN 2020 10:56:10



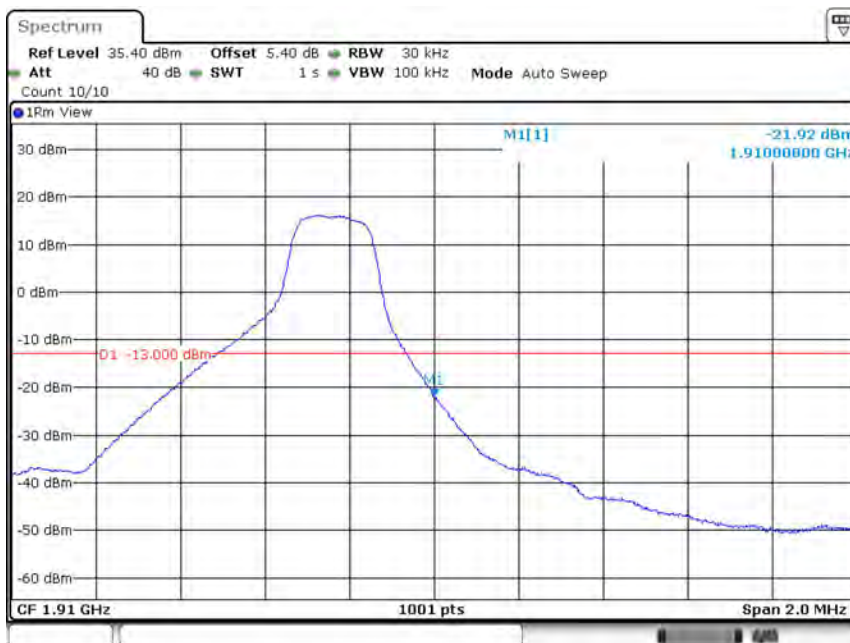
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 23 JUN 2020 10:59:04

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



Date: 23 JUN 2020 10:57:37



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 10:59:46

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



Date: 24 JUN 2020 01:44:18



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 24 JUN 2020 01:45:50

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



Date: 24 JUN 2020 01:45:04



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 24 JUN 2020 01:46:10

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



Date: 23 JUN 2020 10:56:31



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
11/F, Unit D2, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

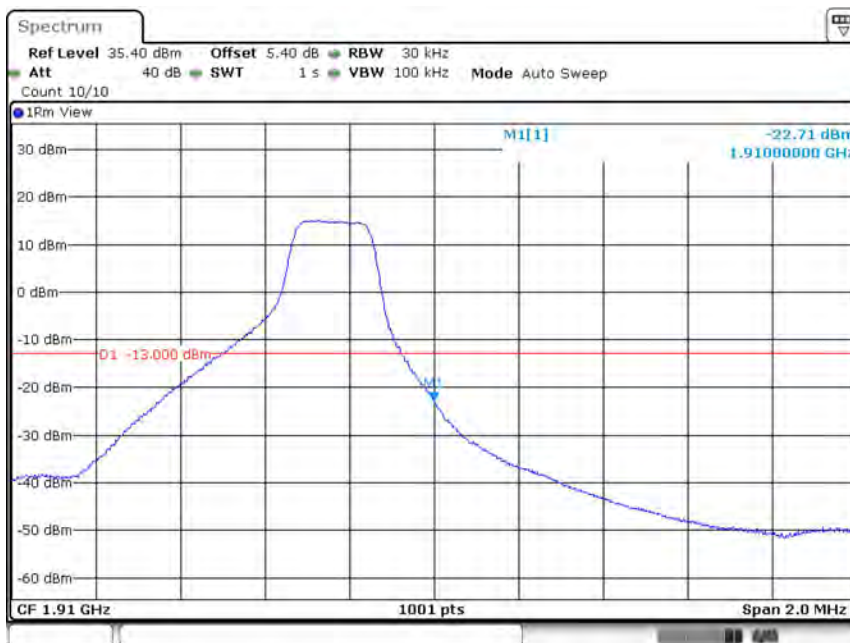
Member of the SGS Group (SGS SA)

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



Date: 23 JUN 2020 10:59:25

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



Date: 23 JUN 2020 10:57:58



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless 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
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 23 JUN 2020 11:00:07

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



Date: 23 JUN 2020 11:00:32



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

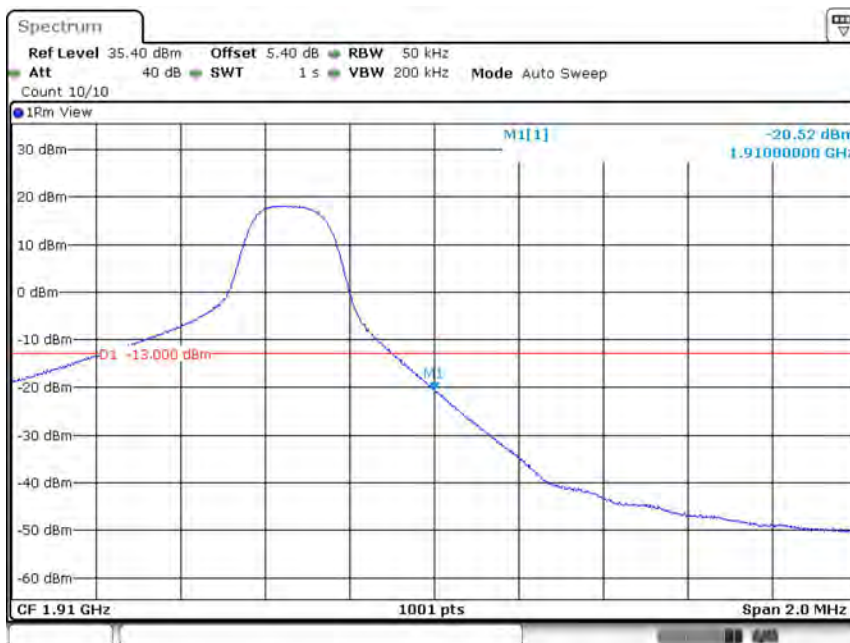
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xian, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 23 JUN 2020 11:03:26

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



Date: 23 JUN 2020 11:01:59



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless 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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

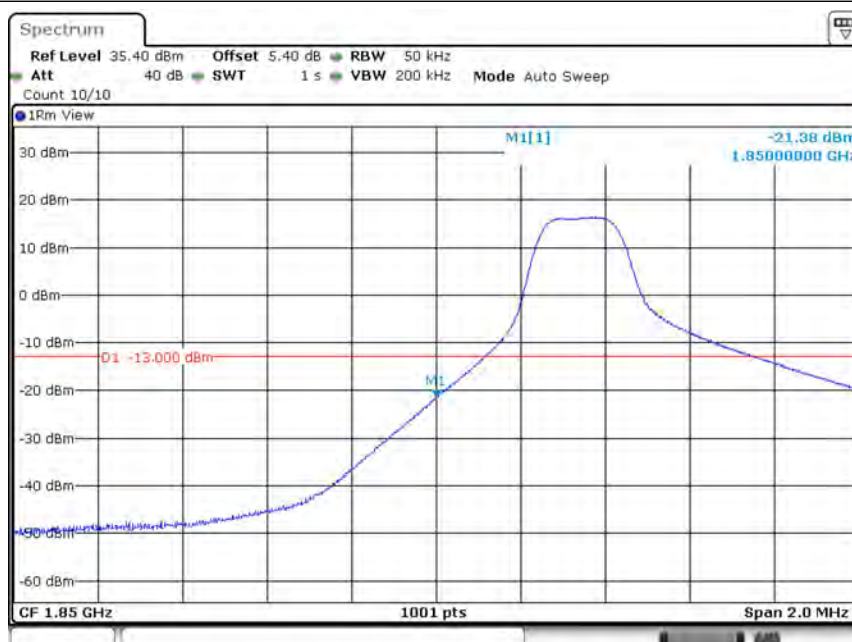


Band2-5MHz-QPSK-19175-25RB#0



Date: 23 JUN 2020 11:04:08

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



Date: 24 JUN 2020 01:46:36



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 24 JUN 2020 01:48:11

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



Date: 24 JUN 2020 01:47:25



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 24 JUN 2020 01:48:32

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



Date: 23 JUN 2020 11:00:52



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 11:03:47

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



Date: 23 JUN 2020 11:02:19



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless 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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 23 JUN 2020 11:04:29

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



Date: 23 JUN 2020 11:04:54



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 23 JUN 2020 11:07:48

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



Date: 23 JUN 2020 11:06:22



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
11/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 11:08:30

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



Date: 24 JUN 2020 01:48:57



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



Date: 24 JUN 2020 01:50:33

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



Date: 24 JUN 2020 01:49:43



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 24 JUN 2020 01:50:54

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



Date: 23 JUN 2020 11:05:15



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 11:08:09

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



Date: 23 JUN 2020 11:06:42



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

Attention: 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 (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

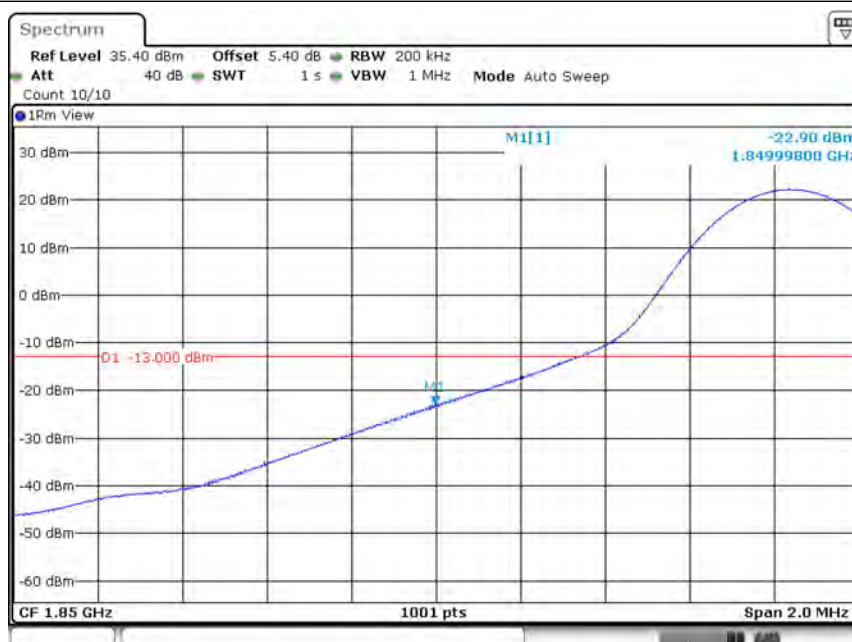
t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 11:12:11

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



Date: 23 JUN 2020 11:10:43



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 11:12:52

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



Date: 24 JUN 2020 01:51:20



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

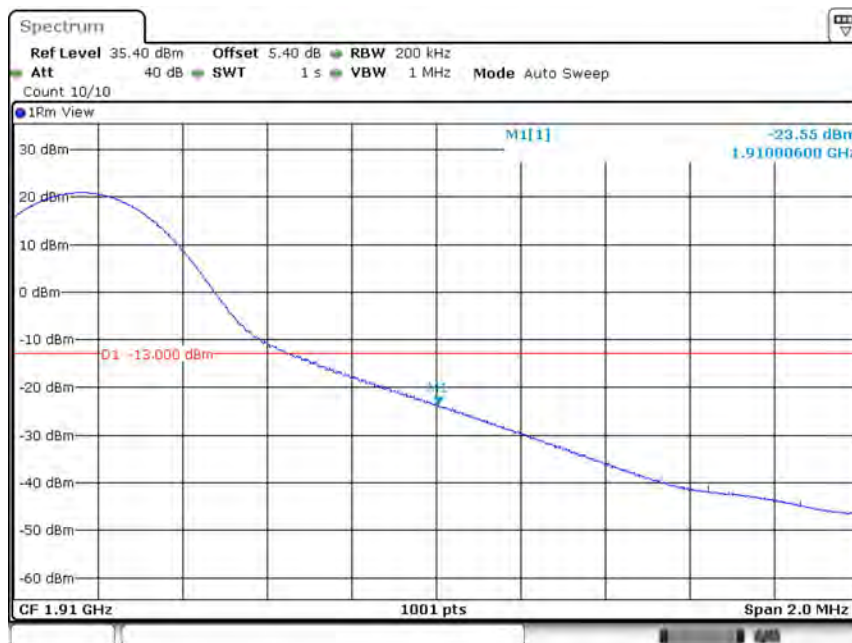


Band2-15MHz-64QAM-18675-75RB#0



Date: 24 JUN 2020 01:52:51

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



Date: 24 JUN 2020 01:52:05



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

Attention: 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 (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

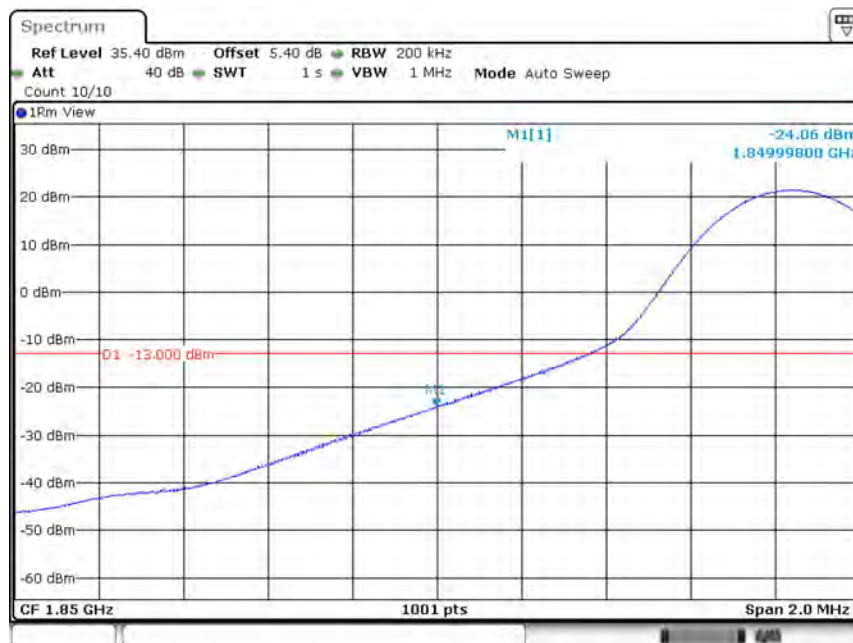


Band2-15MHz-64QAM-19125-75RB#0



Date: 24 JUN 2020 01:53:12

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



Date: 23 JUN 2020 11:09:36



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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



Date: 23 JUN 2020 11:12:31

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



Date: 23 JUN 2020 11:11:04



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fenglong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086
t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com

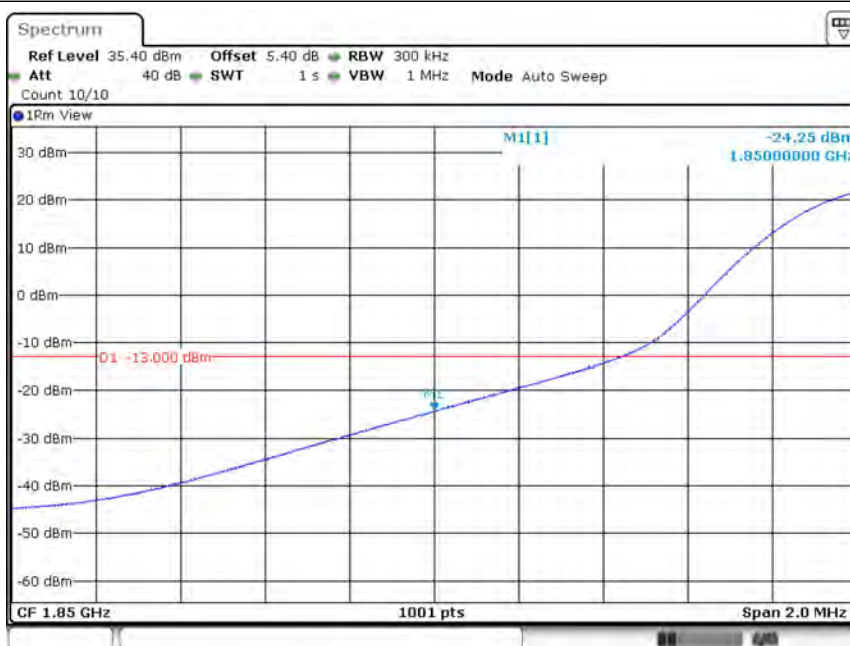


Band2-15MHz-16QAM-19125-75RB#0



Date: 23 JUN 2020 11:13:13

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



Date: 23 JUN 2020 11:13:38



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 710086 t (86-29) 6282 7885 www.sgs.com.cn
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

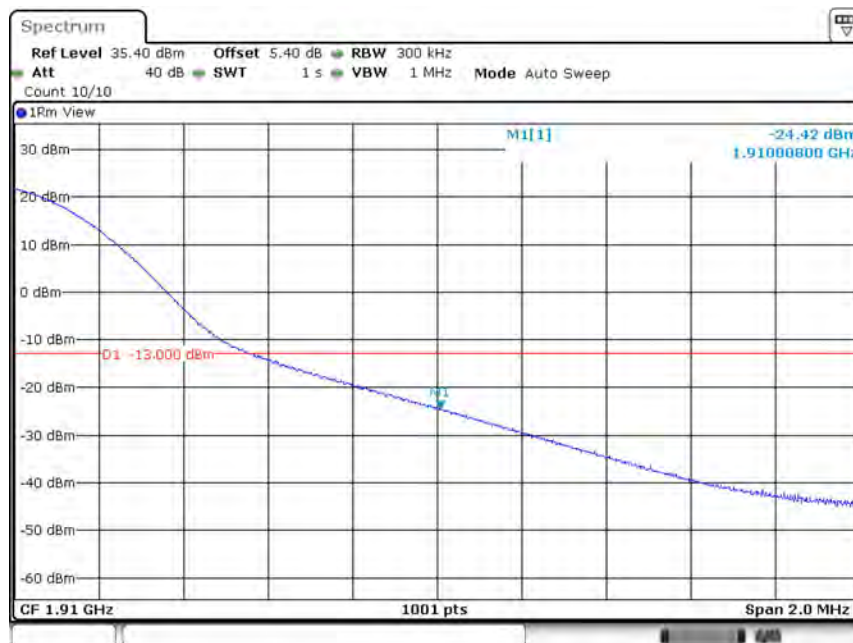


Band2-20MHz-QPSK-18700-100RB#0



Date: 23 JUN 2020 11:16:31

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



Date: 23 JUN 2020 11:15:04



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

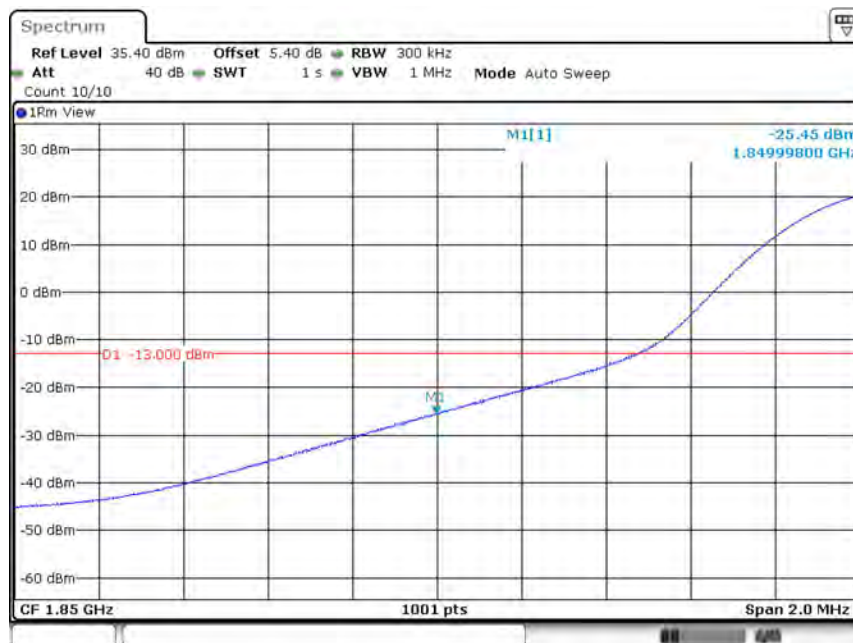


Band2-20MHz-QPSK-19100-100RB#0



Date: 23 JUN 2020 11:17:12

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



Date: 24 JUN 2020 01:53:38



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 24 JUN 2020 01:55:09

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



Date: 24 JUN 2020 01:54:24



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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

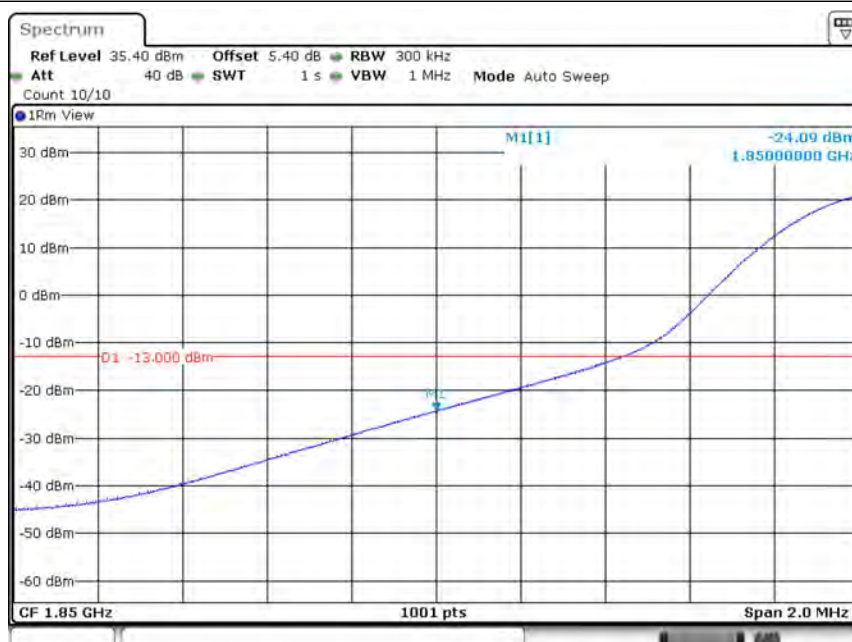


Band2-20MHz-64QAM-19100-100RB#0



Date: 24 JUN 2020 01:55:30

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



Date: 23 JUN 2020 11:13:58



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xian, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

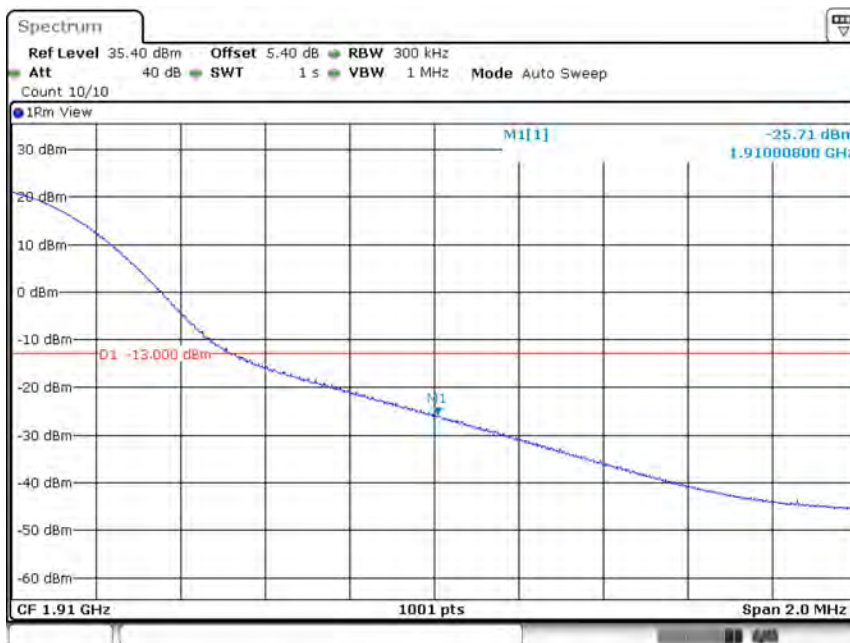


Band2-20MHz-16QAM-18700-100RB#0



Date: 23 JUN 2020 11:16:51

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



Date: 23 JUN 2020 11:15:25



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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



Date: 23 JUN 2020 11:17:33



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

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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

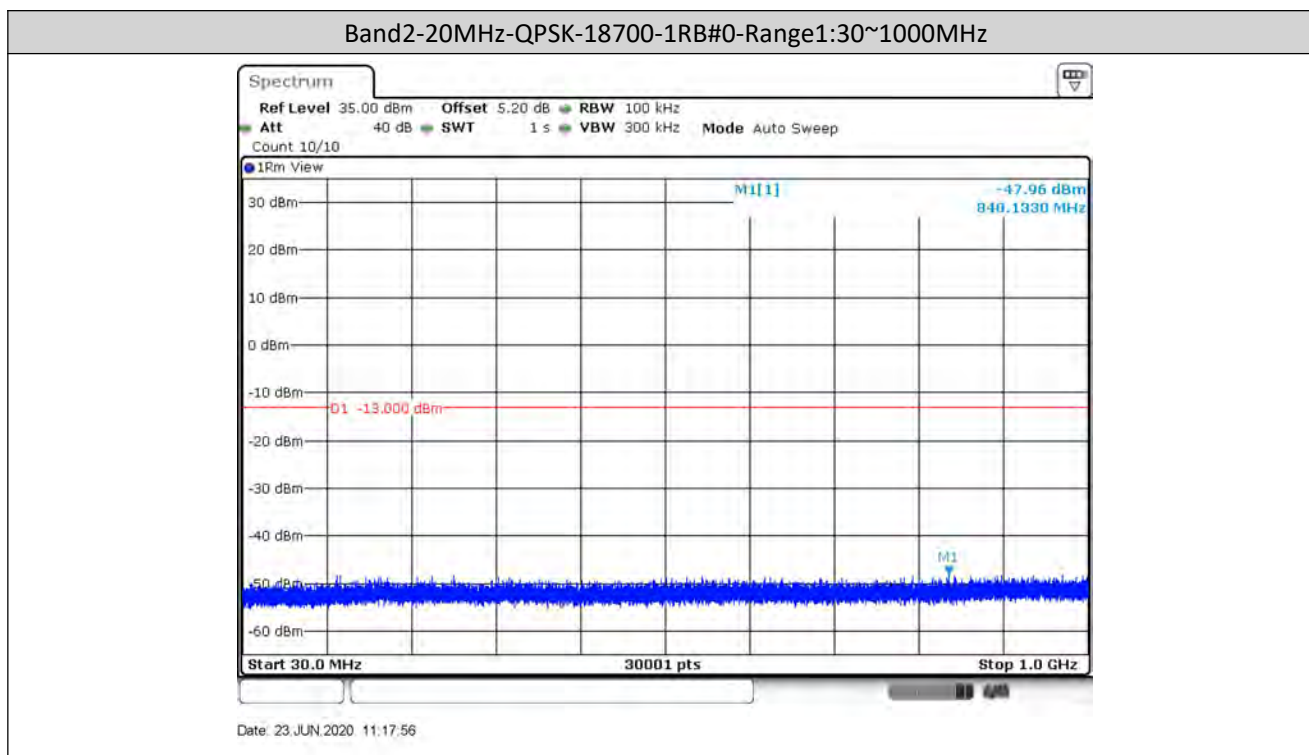


6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k \cdot (\text{Span} / RBW)$ " 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.

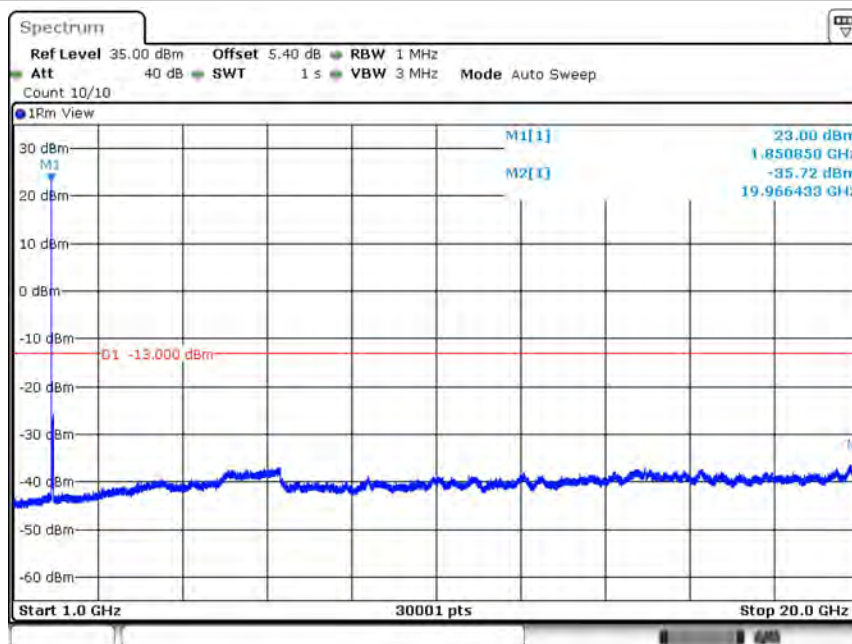
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

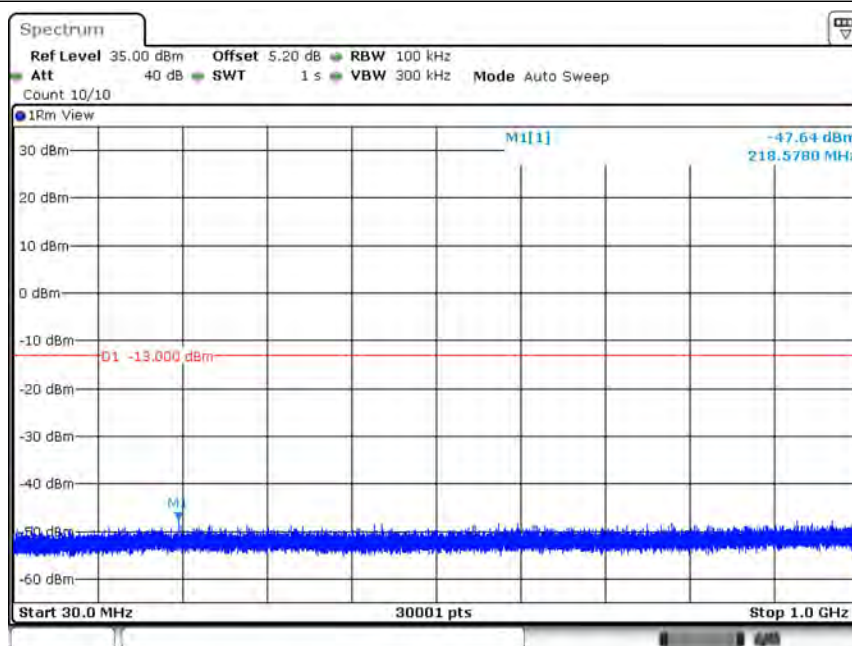


Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



Date: 23 JUN 2020 11:18:12

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



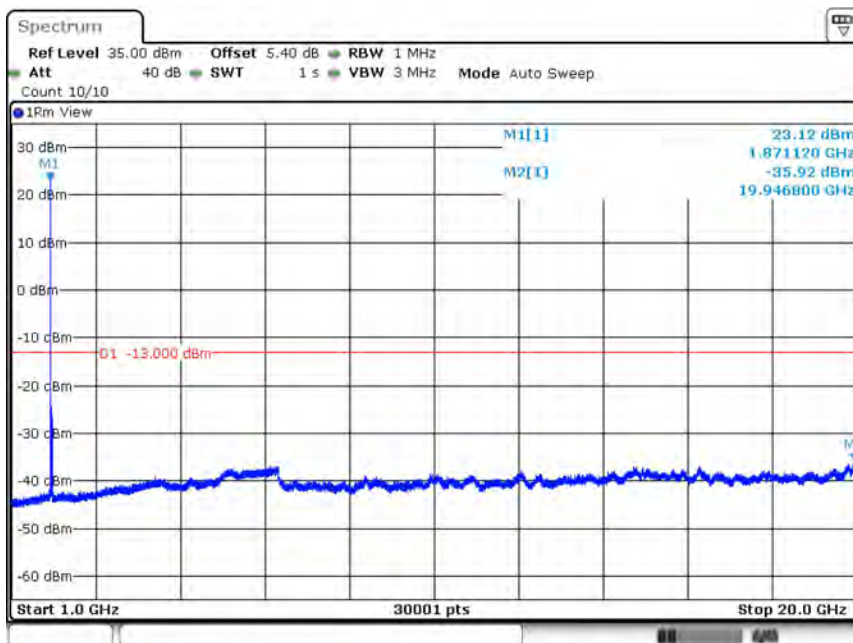
Date: 23 JUN 2020 11:19:06

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



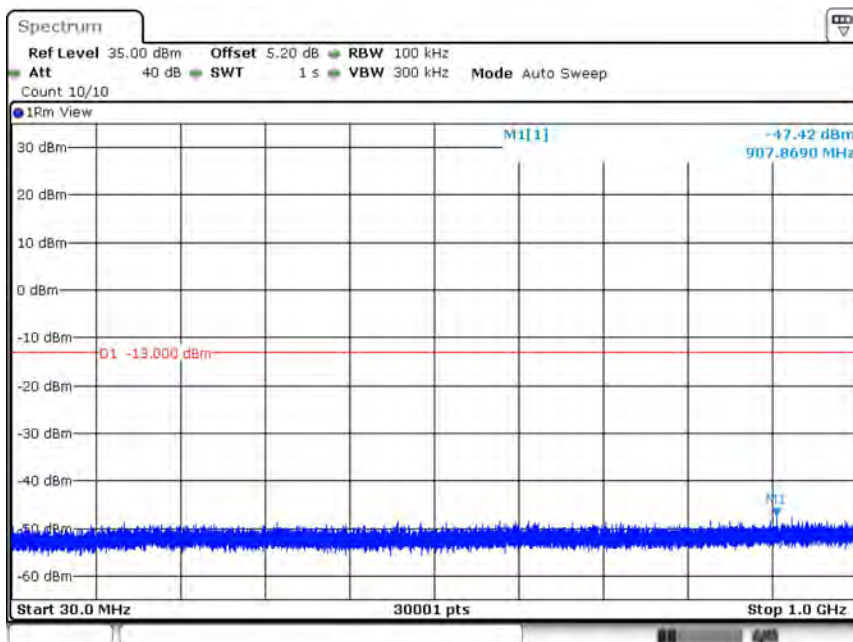
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xian, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



Date: 23 JUN 2020 11:19:22

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



Date: 23 JUN 2020 11:20:16

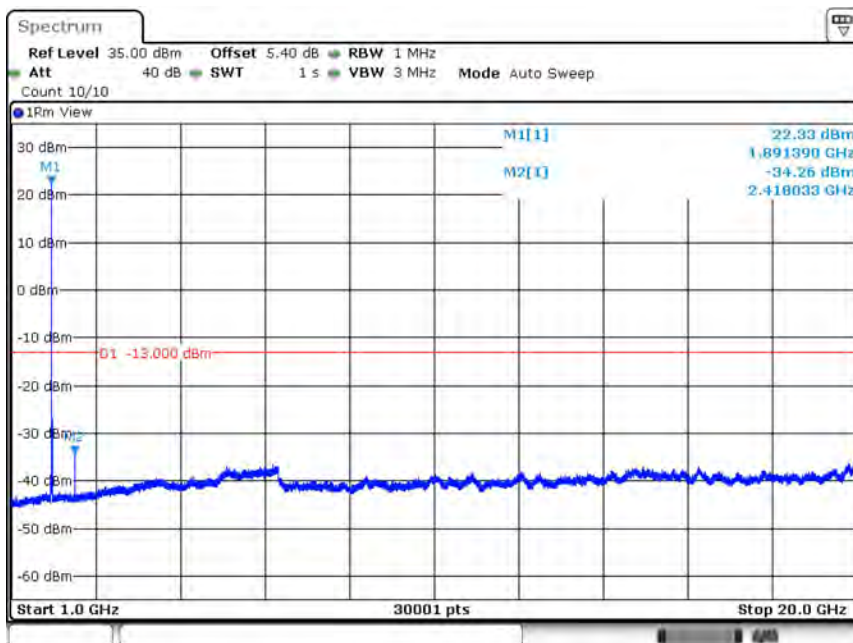
Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



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

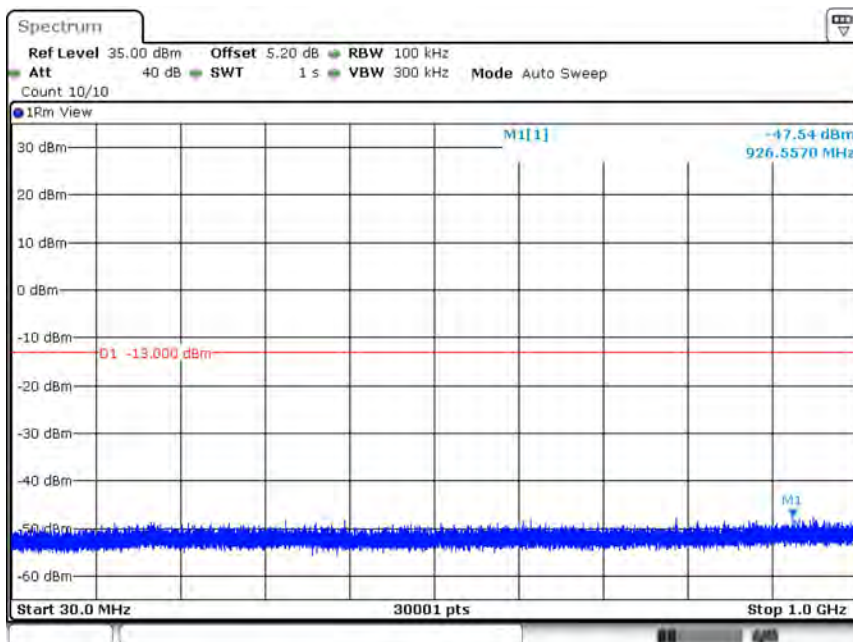
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



Date: 23 JUN 2020 11:20:33

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



Date: 24 JUN 2020 01:55:54

Band2-20MHz-64QAM-18700-1RB#0-Range2:1000~20000MHz

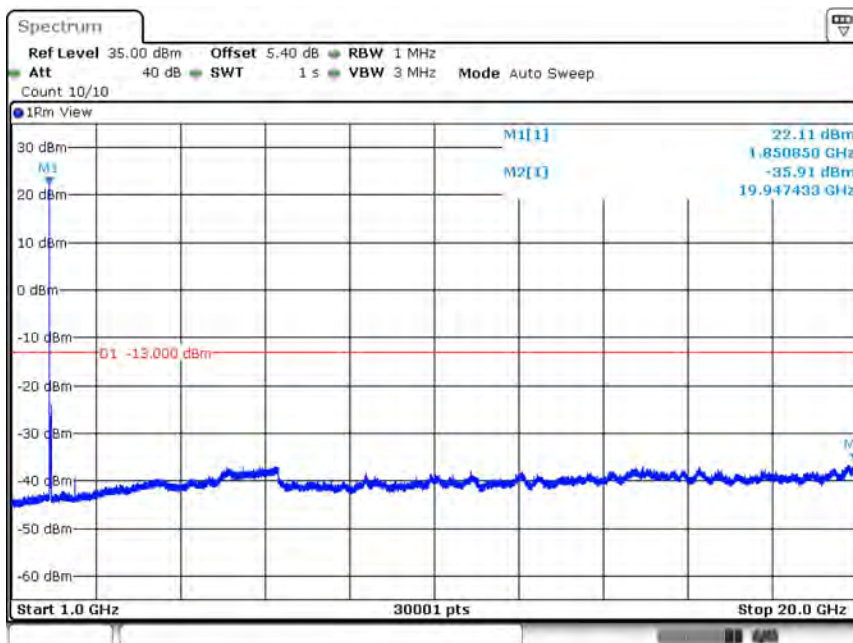


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

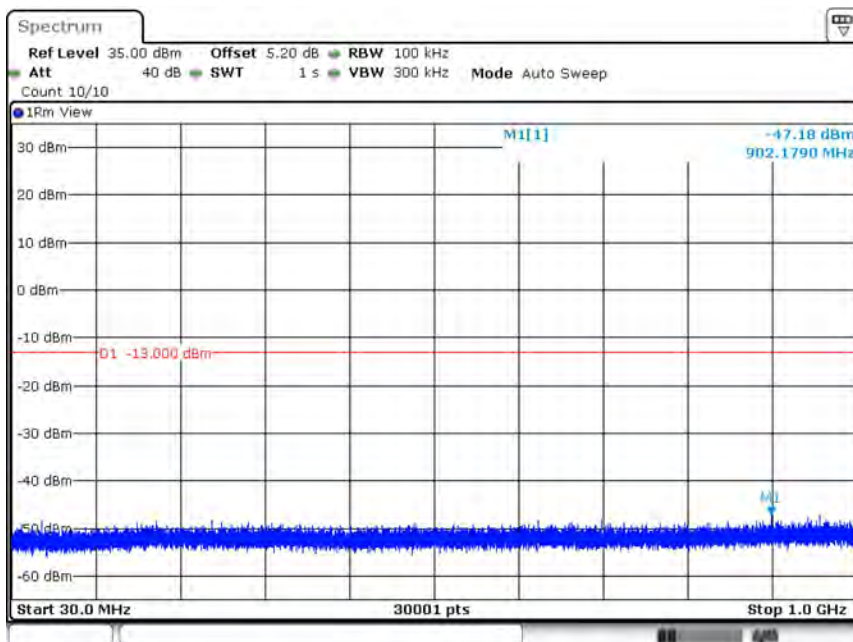
t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Date: 24 JUN 2020 01:56:10

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



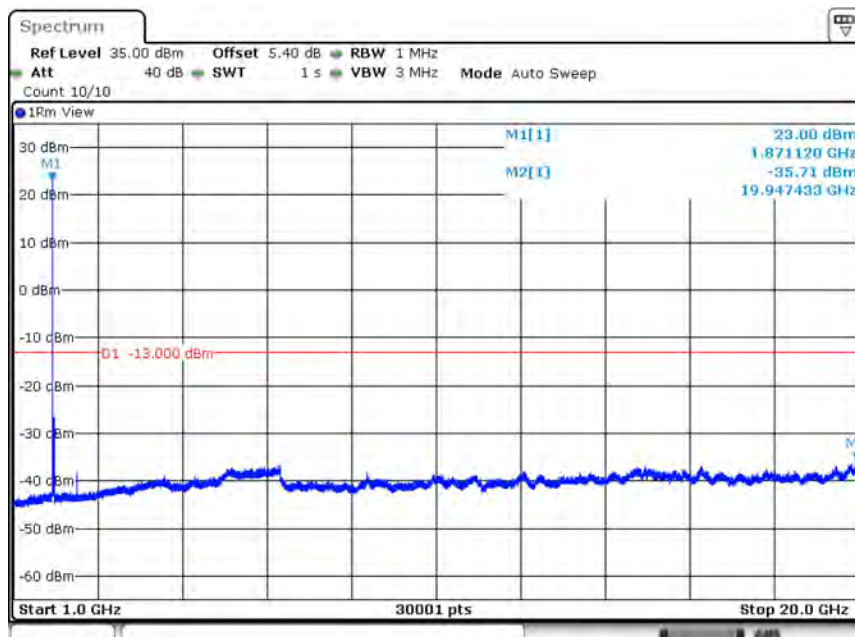
Date: 24 JUN 2020 01:56:29

Band2-20MHz-64QAM-18900-1RB#0-Range2:1000~20000MHz



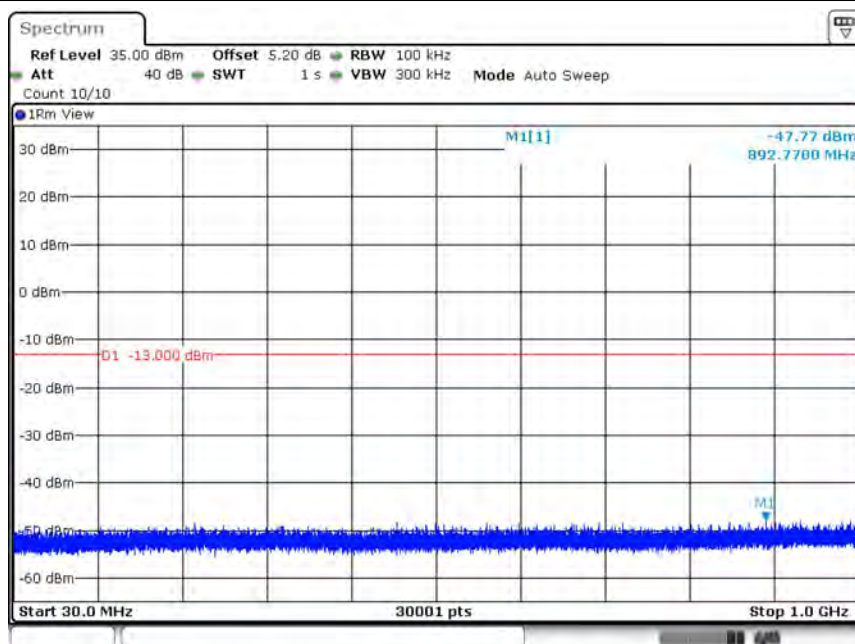
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



Date: 24 JUN 2020 01:56:46

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



Date: 24 JUN 2020 01:57:05

Band2-20MHz-64QAM-19100-1RB#0-Range2:1000~20000MHz

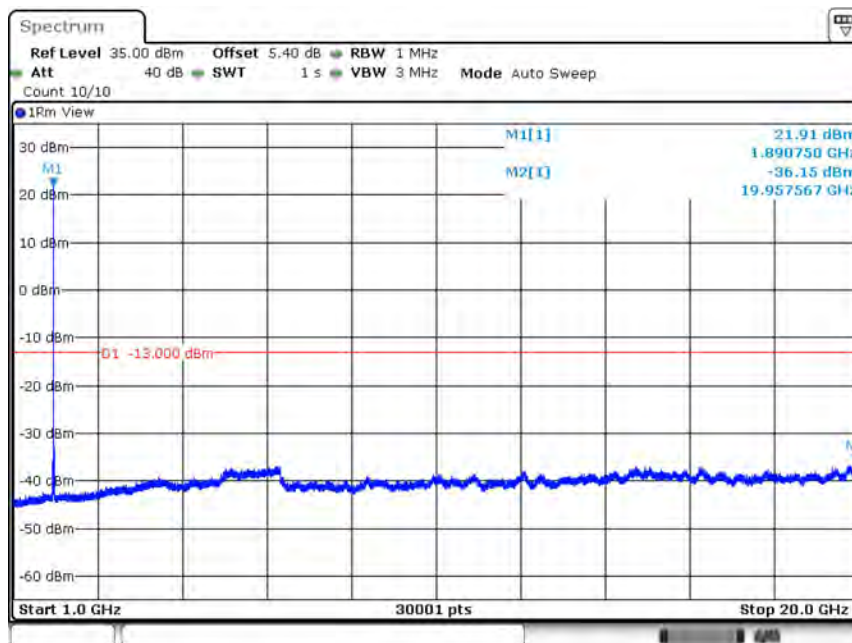


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

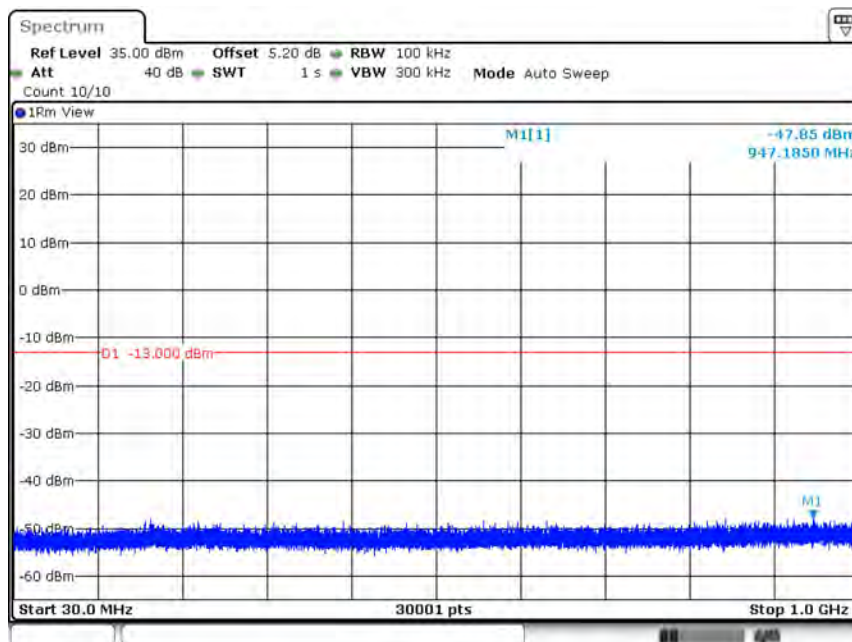
SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn

中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



Date: 24 JUN 2020 01:57:21

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



Date: 23 JUN 2020 11:18:31

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

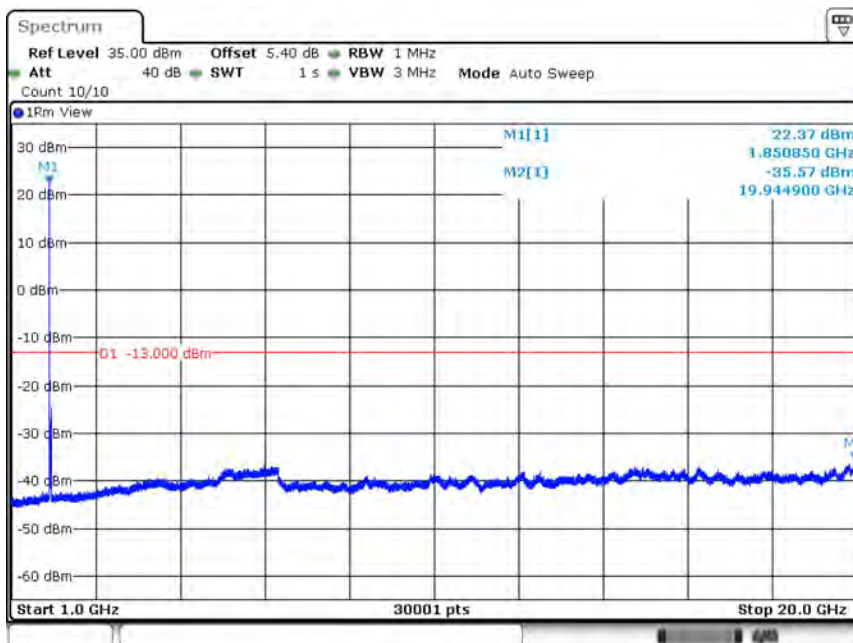


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 (Xi'an) Co., Ltd. 11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

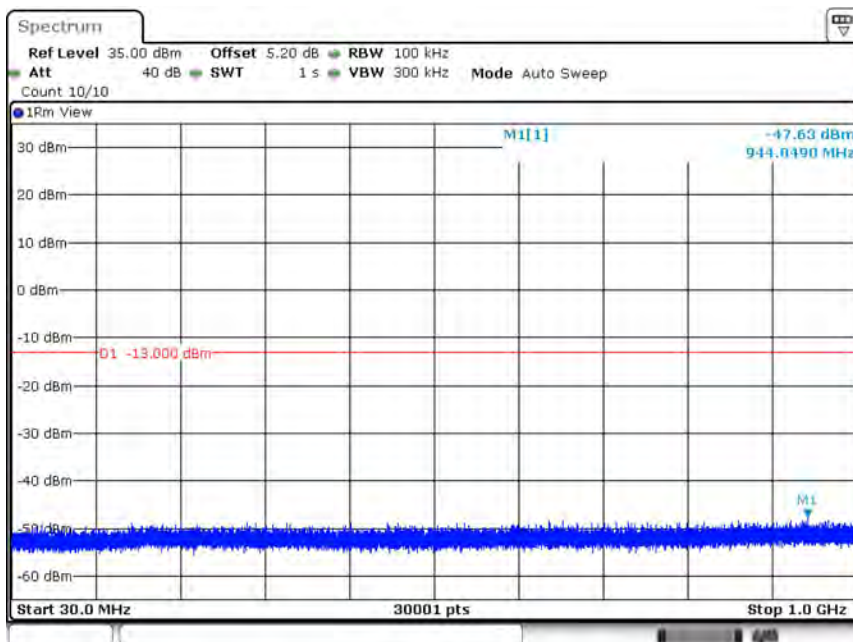
t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Date: 23 JUN 2020 11:18:47

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



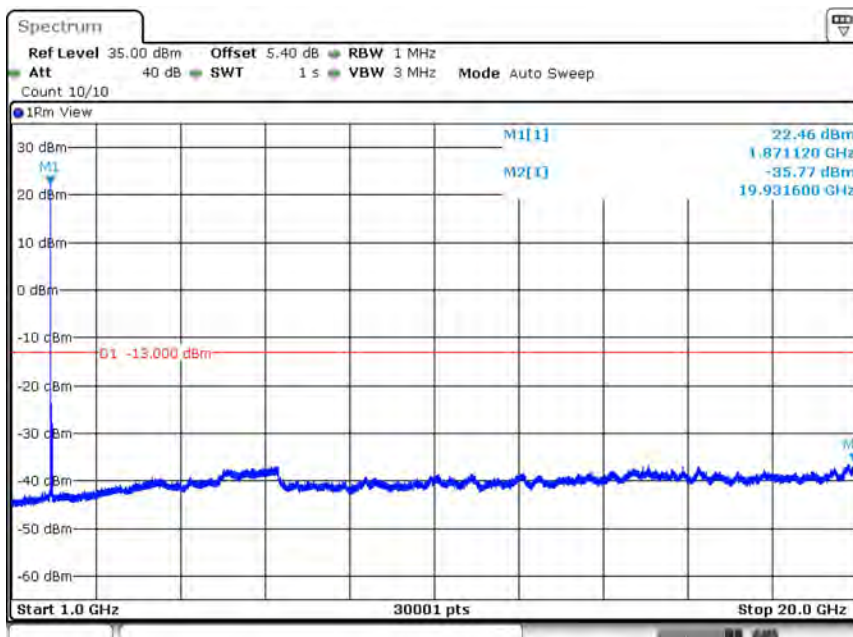
Date: 23 JUN 2020 11:19:41

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



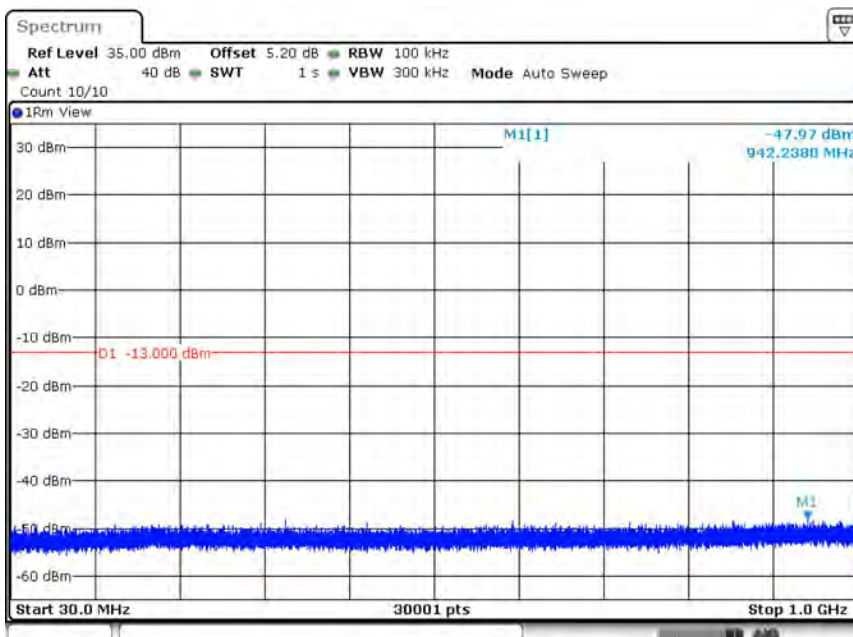
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086 t (86-29) 6282 7885 www.sgs.com.cn
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com



Date: 23 JUN 2020 11:19:57

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



Date: 23 JUN 2020 11:20:51

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

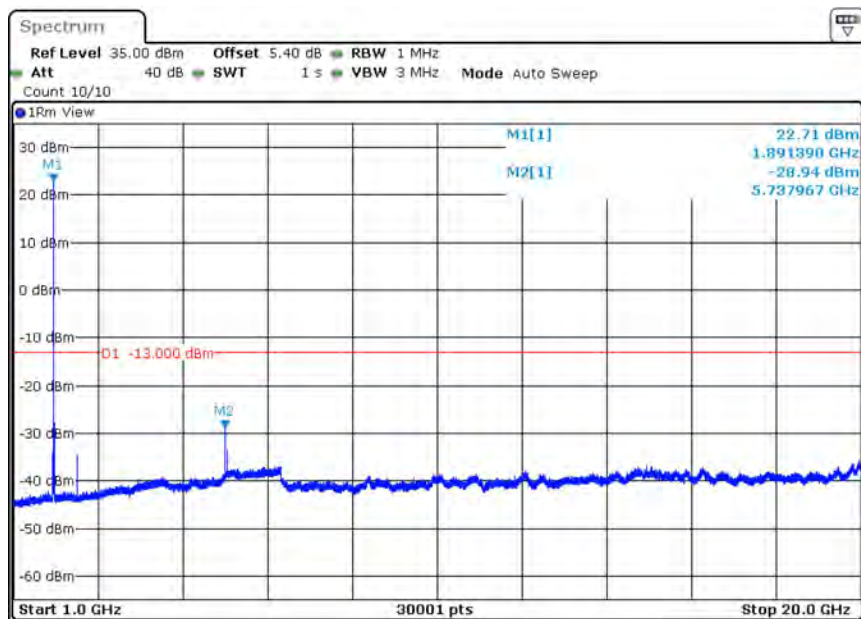


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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 (Xi'an) Co., Ltd. 1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Date: 23 JUN 2020 11:21:08



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_Band=2 BW=20MHz_TM1

7.1.1. Test Channel = 18700

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.2897	-71.52	-64.59	-13.00	51.59	174	39	Horizontal
2	616.3943	-71.71	-63.99	-13.00	50.99	185	102	Horizontal
3	2696.3393	-69.28	-36.45	-13.00	23.45	196	58	Horizontal
4	3702.0234	-51.77	-60.33	-13.00	47.33	231	39	Horizontal
5	5553.5851	-45.33	-51.47	-13.00	38.47	262	135	Horizontal
6	16395.4465	-58.36	-43.99	-13.00	30.99	291	353	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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7.2. Test Band = LTE_Band=2 BW=20MHz_TM1

7.2.1. Test Channel = 18700

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	115.1218	-70.97	-65.01	-13.00	52.01	258	291	Vertical
2	2703.1406	-69.42	-37.79	-13.00	24.79	274	266	Vertical
3	3702.0234	-50.36	-59.72	-13.00	46.72	159	36	Vertical
4	5553.0851	-49.28	-55.84	-13.00	42.84	185	67	Vertical
5	14476.8826	-59.87	-47.55	-13.00	34.55	174	131	Vertical
6	17999.5000	-57.98	-40.11	-13.00	27.11	165	67	Vertical



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7.3. Test Band = LTE_Band=2 BW=20MHz_TM1

7.3.1. Test Channel = 18900

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.8645	-71.38	-64.58	-13.00	51.58	174	131	Horizontal
2	650.3460	-71.84	-63.97	-13.00	50.97	185	354	Horizontal
3	2695.5391	-69.23	-36.43	-13.00	23.43	196	123	Horizontal
4	3742.0247	-46.01	-54.46	-13.00	41.46	231	195	Horizontal
5	5613.0871	-48.07	-54.14	-13.00	41.14	258	163	Horizontal
6	16403.9468	-57.87	-43.52	-13.00	30.52	265	354	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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7.4. Test Band = LTE_Band=2 BW=20MHz_TM1

7.4.1. Test Channel = 18900

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.6410	-71.09	-64.76	-13.00	51.76	258	259	Vertical
2	2695.9392	-69.31	-37.72	-13.00	24.72	245	59	Vertical
3	3742.0247	-47.44	-56.59	-13.00	43.59	152	163	Vertical
4	5613.5871	-49.15	-55.57	-13.00	42.57	132	67	Vertical
5	14453.8818	-59.73	-47.59	-13.00	34.59	261	195	Vertical
6	17995.9999	-57.65	-39.87	-13.00	26.87	194	67	Vertical



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

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7.5. Test Band = LTE_Band=2 BW=20MHz_TM1

7.5.1. Test Channel = 19100

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.0843	-71.81	-64.84	-13.00	51.84	147	323	Horizontal
2	765.3938	-72.62	-62.69	-13.00	49.69	185	355	Horizontal
3	2699.9400	-69.13	-36.20	-13.00	23.20	196	69	Horizontal
4	3782.5261	-45.21	-53.54	-13.00	40.54	321	194	Horizontal
5	5673.0891	-48.50	-54.49	-13.00	41.49	262	194	Horizontal
6	16391.4464	-58.20	-43.90	-13.00	30.90	291	291	Horizontal



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

V/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



7.6. Test Band = LTE_Band=2 BW=20MHz _TM1

7.6.1. Test Channel = 19100

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	107.5554	-70.91	-65.07	-13.00	52.07	185	360	Vertical
2	2576.3153	-64.36	-34.92	-13.00	21.92	174	316	Vertical
3	3782.0261	-47.29	-56.23	-13.00	43.23	196	237	Vertical
4	5673.5891	-49.63	-56.25	-13.00	43.25	321	204	Vertical
5	14496.8832	-59.88	-47.40	-13.00	34.40	262	204	Vertical
6	17994.4998	-57.80	-40.06	-13.00	27.06	297	4	Vertical

Remark:

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



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

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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth h	Modulation	Channel l	RB Configur e	Voltage [Vdc]	Tempe rature (°C)	Deviation n (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-3.90	-0.002097	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-12.60	-0.006774	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-3.40	-0.001828	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-8.50	-0.004521	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-8.40	-0.004468	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-13.30	-0.007074	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	2.70	0.001421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-8.90	-0.004684	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VL	NT	-3.30	-0.001774	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VN	NT	1.90	0.001022	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VH	NT	-12.40	-0.006667	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VL	NT	-14.10	-0.007500	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VN	NT	3.10	0.001649	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VH	NT	-15.80	-0.008404	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VL	NT	-10.60	-0.005579	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VN	NT	-4.60	-0.002421	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VH	NT	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-1.70	-0.000914	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-6.30	-0.003387	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.10	0.000591	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-7.10	-0.003777	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-16.70	-0.008883	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-8.20	-0.004316	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-4.20	-0.002211	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-0.50	-0.000263	±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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



8.2. Frequency Vs Temperature

Band	Bandwidth h	Modulation	Channel l	RB Configur e	Voltage [Vdc]	Tempe rature (°C)	Deviation n (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-1.50	-0.000806	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	5.30	0.002849	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-3.70	-0.001989	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-10.30	-0.005538	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	4.60	0.002473	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-0.30	-0.000161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-2.80	-0.001505	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-14.90	-0.007926	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-20.20	-0.010745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.90	-0.000479	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-13.60	-0.007234	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-11.80	-0.006277	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-13.80	-0.007340	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-12.20	-0.006489	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-5.20	-0.002737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-5.20	-0.002737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-11.80	-0.006211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-9.40	-0.004947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-6.40	-0.003368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-11.60	-0.006105	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-30	-4.60	-0.002473	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-20	-6.20	-0.003333	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	0	-4.40	-0.002366	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	10	-10.60	-0.005699	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	20	-1.00	-0.000538	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	30	-5.80	-0.003118	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	40	-1.10	-0.000591	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	50	-9.00	-0.004839	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-30	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-20	-11.40	-0.006064	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	0	-15.80	-0.008404	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	10	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	20	-3.30	-0.001755	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	30	-0.10	-0.000053	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	40	-2.30	-0.001223	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	50	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-30	-7.20	-0.003789	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-20	-10.30	-0.005421	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	0	2.60	0.001368	±2.5	PASS



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

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

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengsong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
f (86-29) 6282 7885 sgs.china@sgs.com



Band2	20MHz	64QAM	19100	100RB#0	NV	10	1.90	0.001000	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	20	-2.80	-0.001474	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	30	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	40	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	50	-8.90	-0.004684	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-4.70	-0.002527	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-3.00	-0.001613	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.80	0.000968	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	5.80	0.003118	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-3.00	-0.001613	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-0.90	-0.000484	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	3.50	0.001882	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	9.40	0.005000	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-0.10	-0.000053	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-5.60	-0.002979	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	1.20	0.000638	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-15.70	-0.008351	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-0.80	-0.000426	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-6.50	-0.003457	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-11.60	-0.006105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-19.10	-0.010053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-16.50	-0.008684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-0.60	-0.000316	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-16.50	-0.008684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-10.70	-0.005632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-6.70	-0.003526	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-5.90	-0.003105	±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

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com