



# 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](mailto:CN.Doccheck@sgs.com)



**CONTENT**

**1 EFFECTIVE (ISOTROPIC) RADIATED POWER..... 4**

1.1. TEST RESULT FOR DOWN ANT..... 4

1.2. TEST RESULT FOR UP ANT..... 15

**2. PEAK-TO-AVERAGE RATIO (CCDF)..... 28**

2.1. TEST RESULT..... 28

2.2. TEST PLOTS..... 28

**3. MODULATION CHARACTERISTICS..... 33**

3.1. TEST MODE = LTE /TM1 20MHZ..... 33

3.1.1. TEST CHANNEL = MCH..... 33

3.2. TEST MODE = LTE /TM2 20MHZ..... 34

3.2.1. TEST CHANNEL = MCH..... 34

3.3. TEST MODE = LTE /TM3 20MHZ..... 35

3.3.1. TEST CHANNEL = MCH..... 35

**4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH..... 36**

4.1. TEST RESULT..... 36

4.2. TEST PLOTS..... 38

**5. BAND EDGE COMPLIANCE..... 65**

5.1. TEST PLOTS..... 65

**6. SPURIOUS EMISSION AT ANTENNA TERMINAL..... 101**

6.1. TEST PLOTS..... 101

**7. FIELD STRENGTH OF SPURIOUS RADIATION..... 110**

7.1. TEST MODE =LTE/TM1 (DOWN ANT)..... 110

7.1.1. TEST CHANNEL = LCH..... 110

7.1.2. TEST CHANNEL = MCH..... 110

7.1.3. TEST CHANNEL = HCH..... 111

7.2. TEST MODE =LTE/TM1 (UP ANT)..... 111

7.2.1. TEST CHANNEL = LCH..... 111

7.2.2. TEST CHANNEL = MCH..... 111

7.2.3. TEST CHANNEL = HCH..... 112



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

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



**8. FREQUENCY STABILITY.....113**

8.1. FREQUENCY VS VOLTAGE..... 113

8.2. FREQUENCY VS TEMPERATURE..... 114



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

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



# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result for Down Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#2	23.07	23.67	30.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.09	23.69	30.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	23.00	23.60	30.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.99	23.59	30.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.11	23.71	30.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.06	23.66	30.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.11	22.71	30.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.89	23.49	30.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.99	23.59	30.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.92	23.52	30.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.00	23.60	30.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.93	23.53	30.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.94	23.54	30.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.00	22.60	30.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.77	23.37	30.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.84	23.44	30.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.82	23.42	30.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.82	23.42	30.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.91	23.51	30.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.89	23.49	30.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.85	22.45	30.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.28	21.88	30.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.37	21.97	30.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.17	21.77	30.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#0	21.42	22.02	30.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#1	21.44	22.04	30.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#3	21.46	22.06	30.00	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](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band2	1.4MHz	64QAM	18607	6RB#0	20.41	21.01	30.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.06	21.66	30.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	21.49	22.09	30.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.39	21.99	30.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#1	21.61	22.21	30.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#3	21.45	22.05	30.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#0	21.49	22.09	30.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	21.41	22.01	30.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	20.93	21.53	30.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.26	21.86	30.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	21.15	21.75	30.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#0	21.06	21.66	30.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#1	21.25	21.85	30.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#3	21.30	21.90	30.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	21.28	21.88	30.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.52	23.12	30.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.39	22.99	30.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.84	23.44	30.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.04	22.64	30.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.25	22.85	30.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.22	22.82	30.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.28	21.88	30.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.36	22.96	30.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.16	22.76	30.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.59	23.19	30.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.90	22.50	30.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.96	22.56	30.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.03	22.63	30.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.06	21.66	30.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.91	22.51	30.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.68	23.28	30.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.24	22.84	30.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.84	22.44	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	1.4MHz	16QAM	19193	3RB#1	22.04	22.64	30.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.96	22.56	30.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.93	21.53	30.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.13	23.73	30.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.14	23.74	30.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.09	23.69	30.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.22	22.82	30.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.21	22.81	30.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.20	22.80	30.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.17	22.77	30.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.79	23.39	30.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.96	23.56	30.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.91	23.51	30.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.02	22.62	30.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.09	22.69	30.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.10	22.70	30.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.96	22.56	30.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.92	23.52	30.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.89	23.49	30.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.88	23.48	30.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.94	22.54	30.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.99	22.59	30.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.87	22.47	30.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.96	22.56	30.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.25	21.85	30.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.77	22.37	30.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	20.88	21.48	30.00	PASS
Band2	3MHz	64QAM	18615	8RB#0	20.16	20.76	30.00	PASS
Band2	3MHz	64QAM	18615	8RB#4	20.03	20.63	30.00	PASS
Band2	3MHz	64QAM	18615	8RB#7	20.18	20.78	30.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.14	20.74	30.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.13	21.73	30.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.02	21.62	30.00	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](mailto:CN.Doccheck@sgs.com)

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

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



Band2	3MHz	64QAM	18900	1RB#8	20.84	21.44	30.00	PASS
Band2	3MHz	64QAM	18900	8RB#0	20.99	21.59	30.00	PASS
Band2	3MHz	64QAM	18900	8RB#7	20.06	20.66	30.00	PASS
Band2	3MHz	64QAM	18900	8RB#4	20.10	20.70	30.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.03	20.63	30.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	20.92	21.52	30.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.29	21.89	30.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.05	21.65	30.00	PASS
Band2	3MHz	64QAM	19185	8RB#7	21.15	21.75	30.00	PASS
Band2	3MHz	64QAM	19185	8RB#0	20.06	20.66	30.00	PASS
Band2	3MHz	64QAM	19185	8RB#4	20.00	20.60	30.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.04	20.64	30.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.41	23.01	30.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.25	22.85	30.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.43	23.03	30.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.14	21.74	30.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.25	21.85	30.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.20	21.80	30.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.21	21.81	30.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.14	22.74	30.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.23	22.83	30.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.41	23.01	30.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.04	21.64	30.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.26	21.86	30.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.17	21.77	30.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.13	21.73	30.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.17	22.77	30.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.79	22.39	30.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.18	22.78	30.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.94	21.54	30.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.02	21.62	30.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.06	21.66	30.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.92	21.52	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	5MHz	QPSK	18625	1RB#12	23.01	23.61	30.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.13	23.73	30.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.08	23.68	30.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.16	22.76	30.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.20	22.80	30.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.20	22.80	30.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.10	22.70	30.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.98	23.58	30.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.11	23.71	30.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.16	23.76	30.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.06	22.66	30.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.10	22.70	30.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.12	22.72	30.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.04	22.64	30.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.71	23.31	30.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.89	23.49	30.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.90	23.50	30.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.89	22.49	30.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.95	22.55	30.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.04	22.64	30.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.95	22.55	30.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.16	21.76	30.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	20.93	21.53	30.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.00	21.60	30.00	PASS
Band2	5MHz	64QAM	18625	12RB#0	20.20	20.80	30.00	PASS
Band2	5MHz	64QAM	18625	12RB#13	20.30	20.90	30.00	PASS
Band2	5MHz	64QAM	18625	12RB#6	20.24	20.84	30.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.26	20.86	30.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.07	21.67	30.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.50	22.10	30.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.71	22.31	30.00	PASS
Band2	5MHz	64QAM	18900	12RB#0	21.38	21.98	30.00	PASS
Band2	5MHz	64QAM	18900	12RB#6	20.23	20.83	30.00	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](mailto:CN.Doccheck@sgs.com)

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





Band2	5MHz	64QAM	18900	12RB#13	20.39	20.99	30.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.25	20.85	30.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	20.83	21.43	30.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.03	21.63	30.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.19	21.79	30.00	PASS
Band2	5MHz	64QAM	19175	12RB#13	21.06	21.66	30.00	PASS
Band2	5MHz	64QAM	19175	12RB#6	20.17	20.77	30.00	PASS
Band2	5MHz	64QAM	19175	12RB#0	20.28	20.88	30.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.26	20.86	30.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.02	22.62	30.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.30	22.90	30.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.81	23.41	30.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.14	21.74	30.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.22	21.82	30.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.20	21.80	30.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.22	21.82	30.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.39	22.99	30.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.32	22.92	30.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.41	23.01	30.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.98	21.58	30.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.09	21.69	30.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.15	21.75	30.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.07	21.67	30.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.91	22.51	30.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.45	23.05	30.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.24	22.84	30.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.82	21.42	30.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.99	21.59	30.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.07	21.67	30.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.83	21.43	30.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.08	23.68	30.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.22	23.82	30.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.06	23.66	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	10MHz	QPSK	18650	25RB#0	22.10	22.70	30.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.21	22.81	30.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.09	22.69	30.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.16	22.76	30.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.87	23.47	30.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.94	23.54	30.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.91	23.51	30.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.06	22.66	30.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.18	22.78	30.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.18	22.78	30.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.03	22.63	30.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.84	23.44	30.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.65	23.25	30.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.75	23.35	30.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.85	22.45	30.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.05	22.65	30.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.95	22.55	30.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.06	22.66	30.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.13	21.73	30.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.09	21.69	30.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.07	21.67	30.00	PASS
Band2	10MHz	64QAM	18650	25RB#12	20.28	20.88	30.00	PASS
Band2	10MHz	64QAM	18650	25RB#0	20.28	20.88	30.00	PASS
Band2	10MHz	64QAM	18650	25RB#25	20.31	20.91	30.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.36	20.96	30.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.11	21.71	30.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.34	21.94	30.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.19	21.79	30.00	PASS
Band2	10MHz	64QAM	18900	25RB#0	21.24	21.84	30.00	PASS
Band2	10MHz	64QAM	18900	25RB#12	20.31	20.91	30.00	PASS
Band2	10MHz	64QAM	18900	25RB#25	20.35	20.95	30.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.27	20.87	30.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.05	21.65	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	10MHz	64QAM	19150	1RB#24	21.28	21.88	30.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.25	21.85	30.00	PASS
Band2	10MHz	64QAM	19150	25RB#25	21.07	21.67	30.00	PASS
Band2	10MHz	64QAM	19150	25RB#0	20.22	20.82	30.00	PASS
Band2	10MHz	64QAM	19150	25RB#12	20.29	20.89	30.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.23	20.83	30.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.28	22.88	30.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.04	22.64	30.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.36	22.96	30.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.15	21.75	30.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.27	21.87	30.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.27	21.87	30.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.30	21.90	30.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.07	22.67	30.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.44	23.04	30.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.18	22.78	30.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.11	21.71	30.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.17	21.77	30.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.05	21.65	30.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.11	21.71	30.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.81	22.41	30.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.23	22.83	30.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.29	22.89	30.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.94	21.54	30.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.00	21.60	30.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.12	21.72	30.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.05	21.65	30.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.13	23.73	30.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.20	23.80	30.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.21	23.81	30.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.42	23.02	30.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.41	23.01	30.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.40	23.00	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	15MHz	QPSK	18675	75RB#0	22.44	23.04	30.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.16	23.76	30.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.16	23.76	30.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.17	23.77	30.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.28	22.88	30.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.21	22.81	30.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.34	22.94	30.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.31	22.91	30.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.13	23.73	30.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.03	23.63	30.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.02	23.62	30.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.16	22.76	30.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.23	22.83	30.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.27	22.87	30.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.23	22.83	30.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.40	22.00	30.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.32	21.92	30.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.20	21.80	30.00	PASS
Band2	15MHz	64QAM	18675	36RB#0	20.32	20.92	30.00	PASS
Band2	15MHz	64QAM	18675	36RB#18	20.37	20.97	30.00	PASS
Band2	15MHz	64QAM	18675	36RB#39	20.32	20.92	30.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.33	20.93	30.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.35	21.95	30.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.43	22.03	30.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.10	21.70	30.00	PASS
Band2	15MHz	64QAM	18900	36RB#0	21.05	21.65	30.00	PASS
Band2	15MHz	64QAM	18900	36RB#18	20.36	20.96	30.00	PASS
Band2	15MHz	64QAM	18900	36RB#39	20.32	20.92	30.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.36	20.96	30.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.23	21.83	30.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.58	22.18	30.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.37	21.97	30.00	PASS
Band2	15MHz	64QAM	19125	36RB#0	21.29	21.89	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	15MHz	64QAM	19125	36RB#18	20.42	21.02	30.00	PASS
Band2	15MHz	64QAM	19125	36RB#39	20.37	20.97	30.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.40	21.00	30.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.55	23.15	30.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.38	22.98	30.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.80	23.40	30.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.44	22.04	30.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.40	22.00	30.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.43	22.03	30.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.46	22.06	30.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.30	22.90	30.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.91	23.51	30.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.47	23.07	30.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.30	21.90	30.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.36	21.96	30.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.32	21.92	30.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.35	21.95	30.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.51	23.11	30.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.78	23.38	30.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.40	23.00	30.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.09	21.69	30.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.22	21.82	30.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.27	21.87	30.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.23	21.83	30.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.22	23.82	30.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.06	23.66	30.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.19	23.79	30.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.37	22.97	30.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.42	23.02	30.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.43	23.03	30.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.49	23.09	30.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.12	23.72	30.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.22	23.82	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	20MHz	QPSK	18900	1RB#0	23.17	23.77	30.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.29	22.89	30.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.37	22.97	30.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.41	23.01	30.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.22	22.82	30.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.14	23.74	30.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.94	23.54	30.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.06	23.66	30.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.26	22.86	30.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.09	22.69	30.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.21	22.81	30.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.13	22.73	30.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.38	21.98	30.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.32	21.92	30.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.29	21.89	30.00	PASS
Band2	20MHz	64QAM	18700	50RB#0	20.30	20.90	30.00	PASS
Band2	20MHz	64QAM	18700	50RB#25	20.28	20.88	30.00	PASS
Band2	20MHz	64QAM	18700	50RB#50	20.32	20.92	30.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.33	20.93	30.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.24	21.84	30.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.41	22.01	30.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.18	21.78	30.00	PASS
Band2	20MHz	64QAM	18900	50RB#25	21.13	21.73	30.00	PASS
Band2	20MHz	64QAM	18900	50RB#50	20.34	20.94	30.00	PASS
Band2	20MHz	64QAM	18900	50RB#0	20.29	20.89	30.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.34	20.94	30.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.22	21.82	30.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.56	22.16	30.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.34	21.94	30.00	PASS
Band2	20MHz	64QAM	19100	50RB#50	21.16	21.76	30.00	PASS
Band2	20MHz	64QAM	19100	50RB#0	20.40	21.00	30.00	PASS
Band2	20MHz	64QAM	19100	50RB#25	20.25	20.85	30.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.28	20.88	30.00	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](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band2	20MHz	16QAM	18700	1RB#99	22.80	23.40	30.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.37	22.97	30.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.94	23.54	30.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.44	22.04	30.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.44	22.04	30.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.51	22.11	30.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.41	22.01	30.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.58	23.18	30.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.53	23.13	30.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.81	23.41	30.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.25	21.85	30.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.30	21.90	30.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.37	21.97	30.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.24	21.84	30.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.50	23.10	30.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.36	22.96	30.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.32	22.92	30.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.15	21.75	30.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.21	21.81	30.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.25	21.85	30.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.22	21.82	30.00	PASS

## 1.2. Test Result for Up Ant

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#2	22.39	22.99	30.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.44	23.04	30.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	22.35	22.95	30.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.40	23.00	30.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.38	22.98	30.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.39	22.99	30.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.41	22.01	30.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.28	22.88	30.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.30	22.90	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	1.4MHz	QPSK	18900	1RB#0	22.29	22.89	30.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.36	22.96	30.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.34	22.94	30.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.38	22.98	30.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.44	22.04	30.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.28	22.88	30.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.24	22.84	30.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.30	22.90	30.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.28	22.88	30.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.29	22.89	30.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.30	22.90	30.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.38	21.98	30.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	20.25	20.85	30.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.07	21.67	30.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	20.38	20.98	30.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#0	20.25	20.85	30.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#1	20.41	21.01	30.00	PASS
Band2	1.4MHz	64QAM	18607	3RB#3	20.52	21.12	30.00	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	19.37	19.97	30.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	20.30	20.90	30.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	20.39	20.99	30.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	20.66	21.26	30.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#1	20.54	21.14	30.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#3	20.31	20.91	30.00	PASS
Band2	1.4MHz	64QAM	18900	3RB#0	20.47	21.07	30.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.24	20.84	30.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	20.48	21.08	30.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	20.34	20.94	30.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	20.12	20.72	30.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#0	20.20	20.80	30.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#1	20.26	20.86	30.00	PASS
Band2	1.4MHz	64QAM	19193	3RB#3	20.31	20.91	30.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.30	20.90	30.00	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](mailto:CN.Doccheck@sgs.com)

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





Band2	1.4MHz	16QAM	18607	1RB#5	21.36	21.96	30.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.20	22.80	30.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.51	22.11	30.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.38	21.98	30.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.55	22.15	30.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.64	22.24	30.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.50	21.10	30.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.49	22.09	30.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.81	22.41	30.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.70	22.30	30.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.45	22.05	30.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.65	22.25	30.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.34	21.94	30.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.30	20.90	30.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.09	21.69	30.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.24	21.84	30.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.34	21.94	30.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.36	21.96	30.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.51	22.11	30.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.42	22.02	30.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.48	21.08	30.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.51	23.11	30.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.42	23.02	30.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.36	22.96	30.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.55	22.15	30.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.53	22.13	30.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.49	22.09	30.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.57	22.17	30.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.29	22.89	30.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.51	23.11	30.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.49	23.09	30.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.33	21.93	30.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.53	22.13	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	3MHz	QPSK	18900	8RB#0	21.40	22.00	30.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.39	21.99	30.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.37	22.97	30.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.39	22.99	30.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.43	23.03	30.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.40	22.00	30.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.47	22.07	30.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.47	22.07	30.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.43	22.03	30.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	20.40	21.00	30.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	20.36	20.96	30.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	20.40	21.00	30.00	PASS
Band2	3MHz	64QAM	18615	8RB#0	19.49	20.09	30.00	PASS
Band2	3MHz	64QAM	18615	8RB#4	19.51	20.11	30.00	PASS
Band2	3MHz	64QAM	18615	8RB#7	19.39	19.99	30.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	19.49	20.09	30.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	20.40	21.00	30.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	20.29	20.89	30.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	20.69	21.29	30.00	PASS
Band2	3MHz	64QAM	18900	8RB#0	20.34	20.94	30.00	PASS
Band2	3MHz	64QAM	18900	8RB#7	19.24	19.84	30.00	PASS
Band2	3MHz	64QAM	18900	8RB#4	19.31	19.91	30.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	19.41	20.01	30.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	20.48	21.08	30.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	20.68	21.28	30.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	20.43	21.03	30.00	PASS
Band2	3MHz	64QAM	19185	8RB#7	20.30	20.90	30.00	PASS
Band2	3MHz	64QAM	19185	8RB#0	19.27	19.87	30.00	PASS
Band2	3MHz	64QAM	19185	8RB#4	19.32	19.92	30.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	19.37	19.97	30.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.53	22.13	30.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.47	22.07	30.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.50	22.10	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	3MHz	16QAM	18615	8RB#7	20.69	21.29	30.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.67	21.27	30.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.52	21.12	30.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.59	21.19	30.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.46	22.06	30.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.83	22.43	30.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.51	22.11	30.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.40	21.00	30.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.47	21.07	30.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.59	21.19	30.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.40	21.00	30.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.79	22.39	30.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.62	22.22	30.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.50	22.10	30.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.43	21.03	30.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.46	21.06	30.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.54	21.14	30.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.48	21.08	30.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.47	23.07	30.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.54	23.14	30.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.41	23.01	30.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.51	22.11	30.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.60	22.20	30.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.56	22.16	30.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.49	22.09	30.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.26	22.86	30.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.48	23.08	30.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.41	23.01	30.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.38	21.98	30.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.46	22.06	30.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.45	22.05	30.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.38	21.98	30.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.24	22.84	30.00	PASS



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

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

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



Band2	5MHz	QPSK	19175	1RB#0	22.43	23.03	30.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.45	23.05	30.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.32	21.92	30.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.41	22.01	30.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.43	22.03	30.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.43	22.03	30.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.32	21.92	30.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.41	22.01	30.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	20.90	21.50	30.00	PASS
Band2	5MHz	64QAM	18625	12RB#0	19.75	20.35	30.00	PASS
Band2	5MHz	64QAM	18625	12RB#13	19.69	20.29	30.00	PASS
Band2	5MHz	64QAM	18625	12RB#6	19.64	20.24	30.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	19.66	20.26	30.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	20.50	21.10	30.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	20.76	21.36	30.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	20.66	21.26	30.00	PASS
Band2	5MHz	64QAM	18900	12RB#0	21.11	21.71	30.00	PASS
Band2	5MHz	64QAM	18900	12RB#6	19.56	20.16	30.00	PASS
Band2	5MHz	64QAM	18900	12RB#13	19.69	20.29	30.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	19.79	20.39	30.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	20.29	20.89	30.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	20.88	21.48	30.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.03	21.63	30.00	PASS
Band2	5MHz	64QAM	19175	12RB#13	21.21	21.81	30.00	PASS
Band2	5MHz	64QAM	19175	12RB#6	19.52	20.12	30.00	PASS
Band2	5MHz	64QAM	19175	12RB#0	19.50	20.10	30.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	19.66	20.26	30.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.92	22.52	30.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.05	22.65	30.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.98	22.58	30.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.54	21.14	30.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.60	21.20	30.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.56	21.16	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	5MHz	16QAM	18625	25RB#0	20.57	21.17	30.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.66	22.26	30.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.72	22.32	30.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.78	22.38	30.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.39	20.99	30.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.55	21.15	30.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.55	21.15	30.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.50	21.10	30.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.32	21.92	30.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.83	22.43	30.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.46	22.06	30.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.42	21.02	30.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.57	21.17	30.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.41	21.01	30.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.29	20.89	30.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.51	23.11	30.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.35	22.95	30.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.35	22.95	30.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.54	22.14	30.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.61	22.21	30.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.55	22.15	30.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.56	22.16	30.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.26	22.86	30.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.48	23.08	30.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.21	22.81	30.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.41	22.01	30.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.53	22.13	30.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.50	22.10	30.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.47	22.07	30.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.24	22.84	30.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.26	22.86	30.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.41	23.01	30.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.38	21.98	30.00	PASS



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

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

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



Band2	10MHz	QPSK	19150	25RB#12	21.44	22.04	30.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.50	22.10	30.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.44	22.04	30.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	20.93	21.53	30.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	20.91	21.51	30.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.31	21.91	30.00	PASS
Band2	10MHz	64QAM	18650	25RB#12	19.76	20.36	30.00	PASS
Band2	10MHz	64QAM	18650	25RB#0	19.68	20.28	30.00	PASS
Band2	10MHz	64QAM	18650	25RB#25	19.68	20.28	30.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	19.71	20.31	30.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	20.44	21.04	30.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	20.81	21.41	30.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	20.78	21.38	30.00	PASS
Band2	10MHz	64QAM	18900	25RB#0	21.05	21.65	30.00	PASS
Band2	10MHz	64QAM	18900	25RB#12	19.53	20.13	30.00	PASS
Band2	10MHz	64QAM	18900	25RB#25	19.57	20.17	30.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	19.69	20.29	30.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	20.54	21.14	30.00	PASS
Band2	10MHz	64QAM	19150	1RB#24	20.83	21.43	30.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.23	21.83	30.00	PASS
Band2	10MHz	64QAM	19150	25RB#25	21.23	21.83	30.00	PASS
Band2	10MHz	64QAM	19150	25RB#0	19.51	20.11	30.00	PASS
Band2	10MHz	64QAM	19150	25RB#12	19.42	20.02	30.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	19.63	20.23	30.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.92	22.52	30.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.64	22.24	30.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.96	22.56	30.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.61	21.21	30.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.49	21.09	30.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.51	21.11	30.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.53	21.13	30.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.15	22.75	30.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.09	22.69	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	10MHz	16QAM	18900	1RB#49	21.62	22.22	30.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.29	20.89	30.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.52	21.12	30.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.44	21.04	30.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.44	21.04	30.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.61	22.21	30.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.56	22.16	30.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.88	22.48	30.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.38	20.98	30.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.46	21.06	30.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.42	21.02	30.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.54	21.14	30.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.54	23.14	30.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.56	23.16	30.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.58	23.18	30.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	21.73	22.33	30.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	21.74	22.34	30.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.72	22.32	30.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.72	22.32	30.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.59	23.19	30.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.53	23.13	30.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.67	23.27	30.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.58	22.18	30.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	21.64	22.24	30.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.75	22.35	30.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.59	22.19	30.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.63	23.23	30.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.52	23.12	30.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.52	23.12	30.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.49	22.09	30.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.64	22.24	30.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.71	22.31	30.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.64	22.24	30.00	PASS



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

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

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



Band2	15MHz	64QAM	18675	1RB#74	20.40	21.00	30.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	20.69	21.29	30.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	20.69	21.29	30.00	PASS
Band2	15MHz	64QAM	18675	36RB#0	19.73	20.33	30.00	PASS
Band2	15MHz	64QAM	18675	36RB#18	19.74	20.34	30.00	PASS
Band2	15MHz	64QAM	18675	36RB#39	19.72	20.32	30.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	19.68	20.28	30.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	20.65	21.25	30.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	20.38	20.98	30.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	20.84	21.44	30.00	PASS
Band2	15MHz	64QAM	18900	36RB#0	20.64	21.24	30.00	PASS
Band2	15MHz	64QAM	18900	36RB#18	19.46	20.06	30.00	PASS
Band2	15MHz	64QAM	18900	36RB#39	19.53	20.13	30.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	19.69	20.29	30.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	20.75	21.35	30.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	20.79	21.39	30.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	20.71	21.31	30.00	PASS
Band2	15MHz	64QAM	19125	36RB#0	20.35	20.95	30.00	PASS
Band2	15MHz	64QAM	19125	36RB#18	19.48	20.08	30.00	PASS
Band2	15MHz	64QAM	19125	36RB#39	19.61	20.21	30.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	19.68	20.28	30.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.12	22.72	30.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.15	22.75	30.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.72	22.32	30.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.74	21.34	30.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	20.76	21.36	30.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	20.76	21.36	30.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.73	21.33	30.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.66	22.26	30.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.64	22.24	30.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.13	22.73	30.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.65	21.25	30.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.66	21.26	30.00	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](mailto:CN.Doccheck@sgs.com)

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





Band2	15MHz	16QAM	18900	36RB#39	20.81	21.41	30.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.65	21.25	30.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.07	22.67	30.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.61	22.21	30.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.64	22.24	30.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.41	21.01	30.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.58	21.18	30.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.70	21.30	30.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.75	21.35	30.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.70	23.30	30.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.51	23.11	30.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.49	23.09	30.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.72	22.32	30.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.76	22.36	30.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.75	22.35	30.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.71	22.31	30.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.73	23.33	30.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.55	23.15	30.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.54	23.14	30.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.58	22.18	30.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.73	22.33	30.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.70	22.30	30.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.63	22.23	30.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.44	23.04	30.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.52	23.12	30.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.74	23.34	30.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.51	22.11	30.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.60	22.20	30.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.78	22.38	30.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.53	22.13	30.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	20.06	20.66	30.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	20.16	20.76	30.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	20.63	21.23	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	20MHz	64QAM	18700	50RB#0	19.68	20.28	30.00	PASS
Band2	20MHz	64QAM	18700	50RB#25	19.77	20.37	30.00	PASS
Band2	20MHz	64QAM	18700	50RB#50	19.69	20.29	30.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	19.71	20.31	30.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	20.56	21.16	30.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	20.89	21.49	30.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	20.95	21.55	30.00	PASS
Band2	20MHz	64QAM	18900	50RB#25	20.98	21.58	30.00	PASS
Band2	20MHz	64QAM	18900	50RB#50	19.54	20.14	30.00	PASS
Band2	20MHz	64QAM	18900	50RB#0	19.67	20.27	30.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	19.74	20.34	30.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	20.65	21.25	30.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.04	21.64	30.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	20.76	21.36	30.00	PASS
Band2	20MHz	64QAM	19100	50RB#50	20.79	21.39	30.00	PASS
Band2	20MHz	64QAM	19100	50RB#0	19.61	20.21	30.00	PASS
Band2	20MHz	64QAM	19100	50RB#25	19.55	20.15	30.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	19.69	20.29	30.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.11	22.71	30.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.39	22.99	30.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.94	22.54	30.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.77	21.37	30.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.78	21.38	30.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.82	21.42	30.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.72	21.32	30.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.03	22.63	30.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.03	22.63	30.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.11	22.71	30.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.75	21.35	30.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.61	21.21	30.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.68	21.28	30.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.56	21.16	30.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.67	22.27	30.00	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](mailto:CN.Doccheck@sgs.com)

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



Band2	20MHz	16QAM	19100	1RB#49	21.28	21.88	30.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.70	22.30	30.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.62	21.22	30.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.53	21.13	30.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.71	21.31	30.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.65	21.25	30.00	PASS

Remark:

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

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

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



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

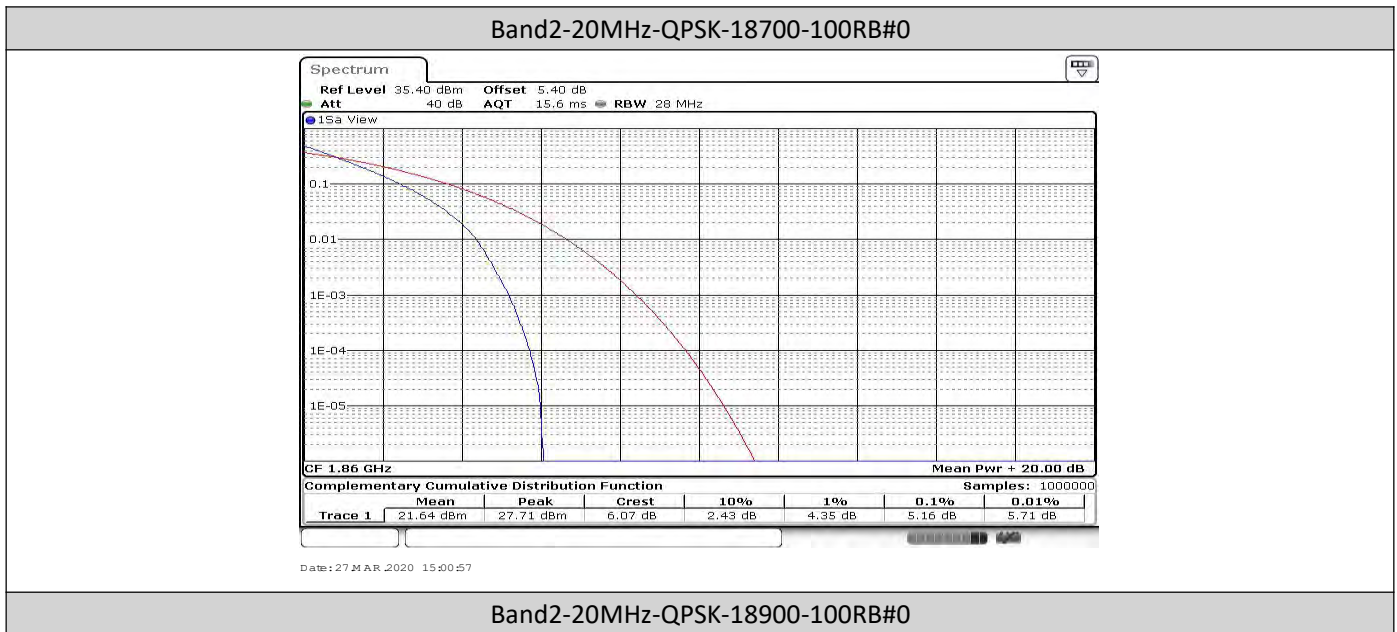


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.16	13.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.10	13.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.16	13.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.58	13.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.41	13.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.52	13.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.00	13.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.88	13.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.00	13.00	PASS

### 2.2. Test Plots



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

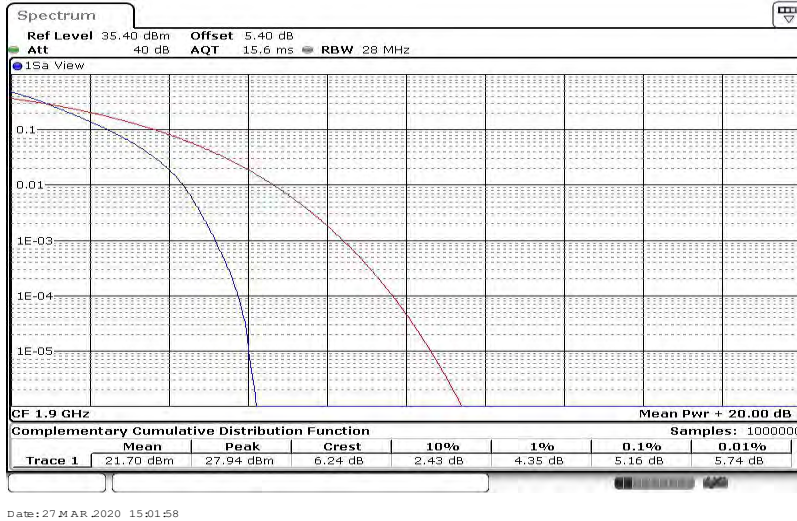
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

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



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



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



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

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

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



Date: 28 MAR 2020 04:18:28

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

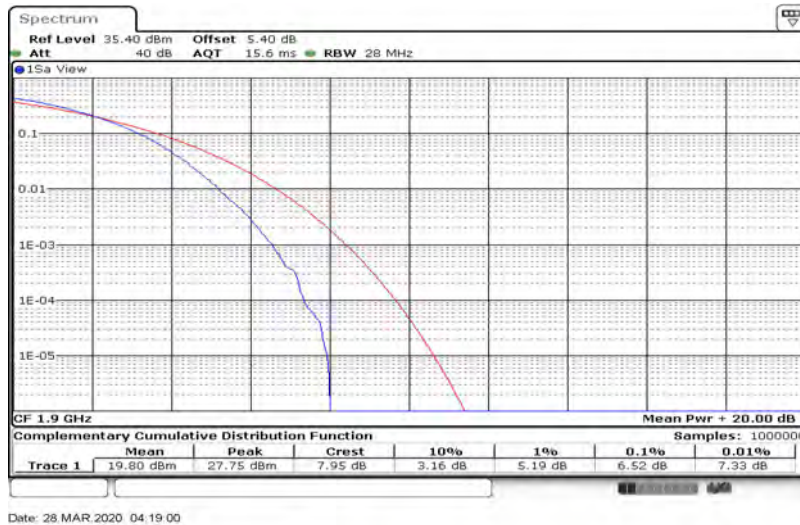


Date: 28 MAR 2020 04:18:44

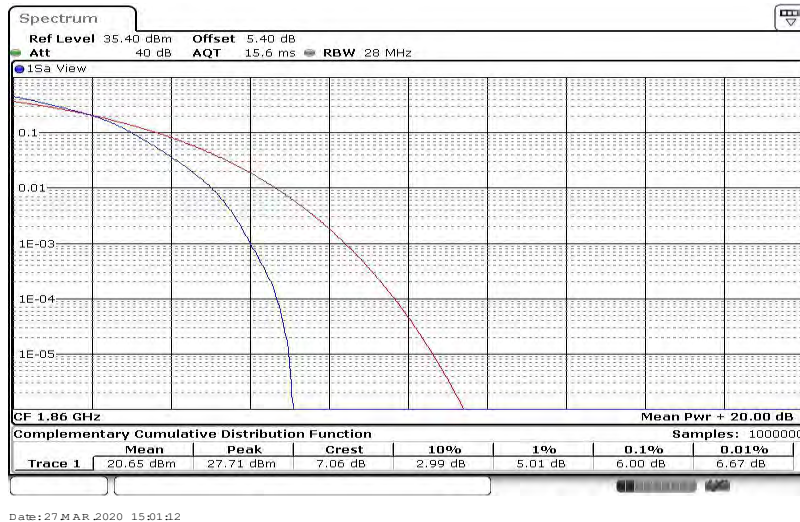
**Band2-20MHz-64QAM-19100-100RB#0**



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



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



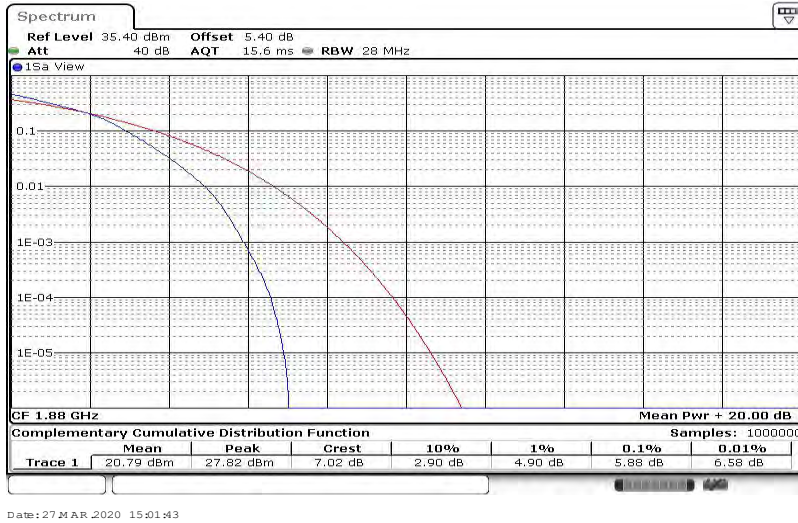
**Band2-20MHz-16QAM-18900-100RB#0**



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

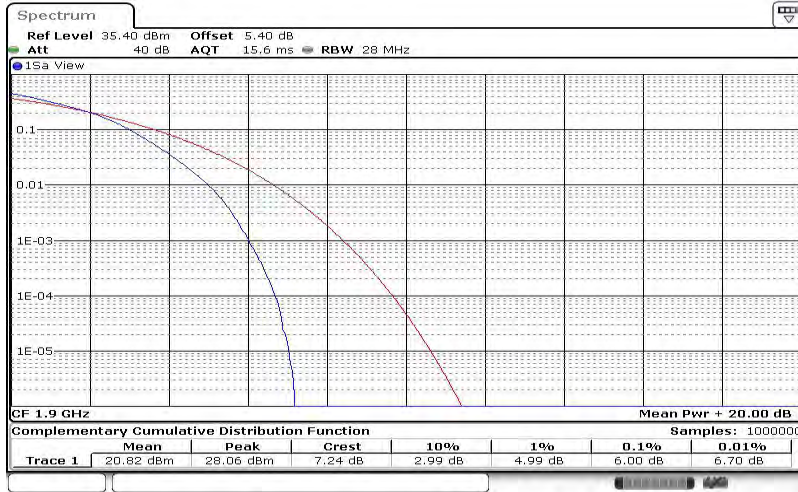
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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



Date: 27 MAR 2020 15:01:43

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



Date: 27 MAR 2020 15:02:14



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

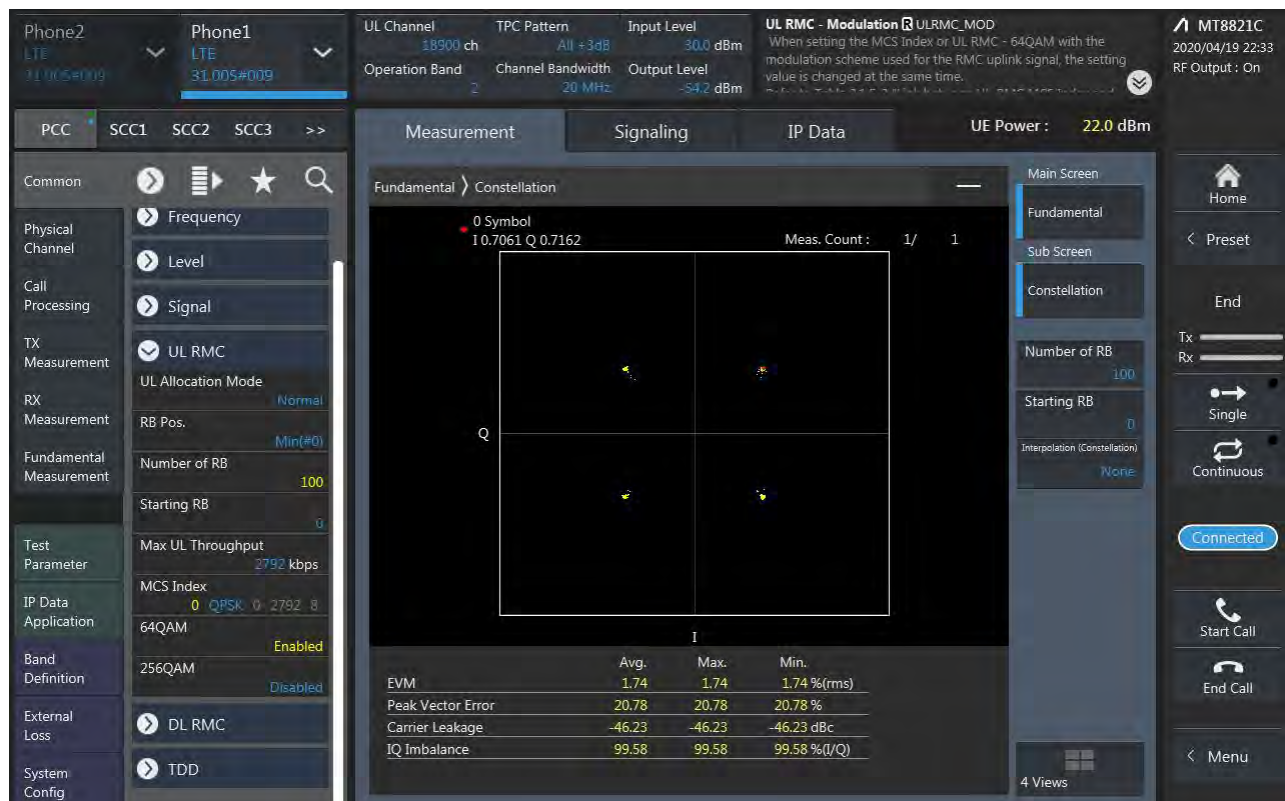




### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH

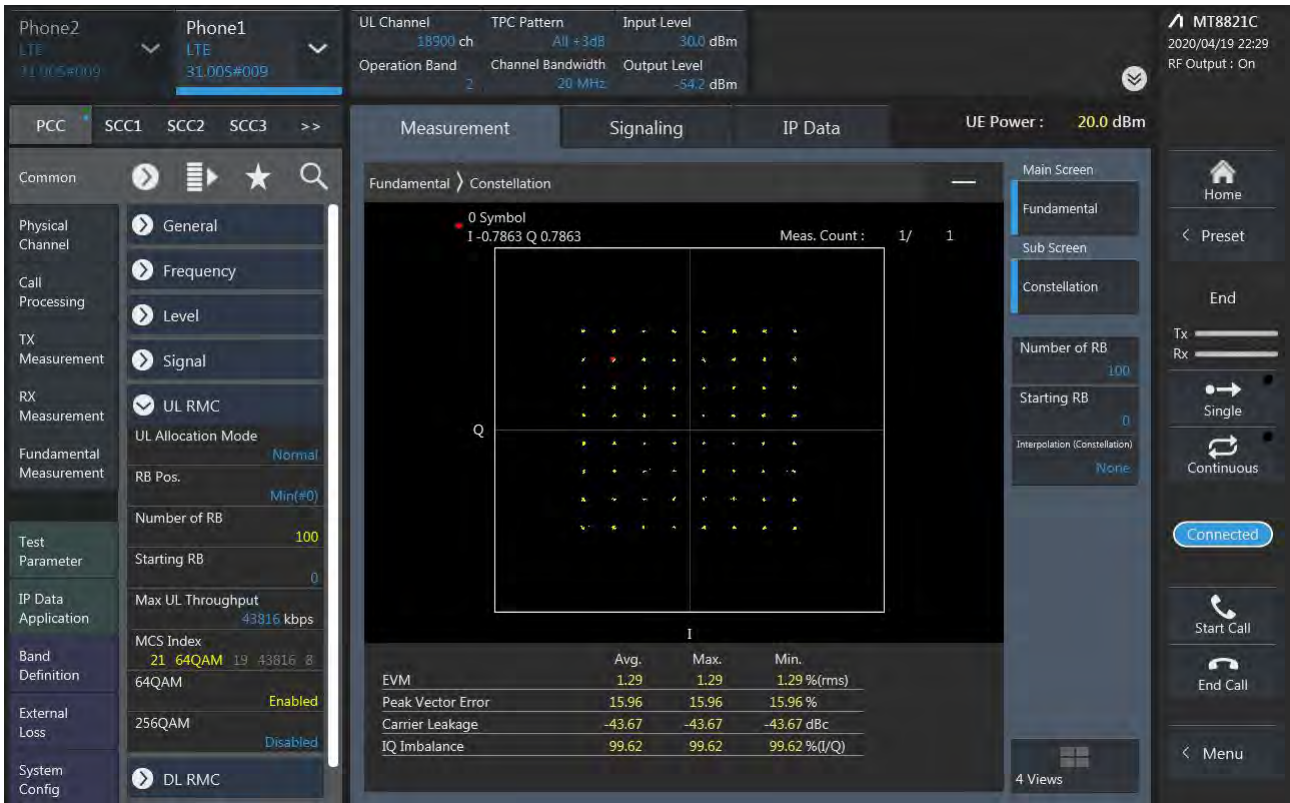






### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. Test Channel = MCH



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

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

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

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



## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.091	1.236	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.230	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.236	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.094	1.233	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.091	1.239	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.094	1.239	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.085	1.233	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.085	1.236	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.085	1.233	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.697	3.006	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	3.012	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.691	3.012	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.691	2.994	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.691	2.994	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.685	2.988	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.982	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.976	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.982	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.890	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.900	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.900	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.466	4.890	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.466	4.880	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.476	4.880	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.476	4.930	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.930	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.496	4.940	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.620	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.620	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.660	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.911	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](mailto:CN.Doccheck@sgs.com)



Band2	10MHz	64QAM	18900	50RB#0	8.911	9.600	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.931	9.640	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.700	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.911	9.720	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.680	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.760	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.730	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.427	14.730	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.427	14.790	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.427	14.880	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.427	14.790	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.760	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.760	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.427	14.700	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.862	19.400	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.862	19.440	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.862	19.400	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.862	19.520	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.862	19.400	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.822	19.440	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	19.440	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.440	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.360	PASS

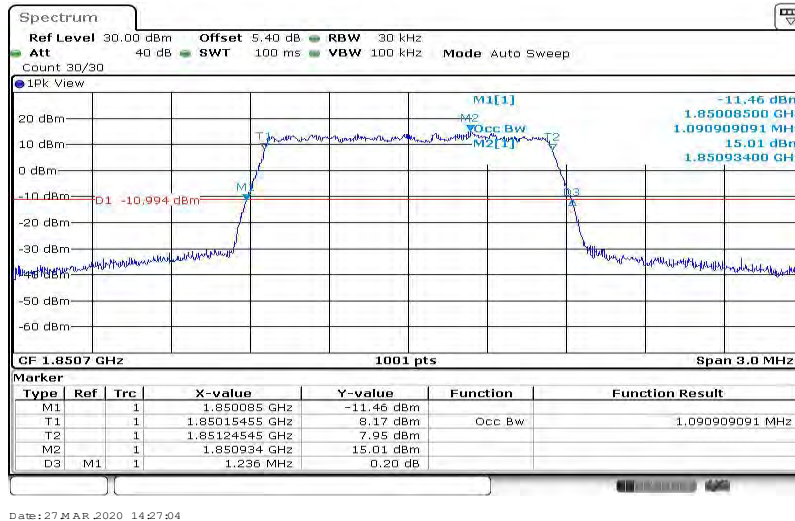


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

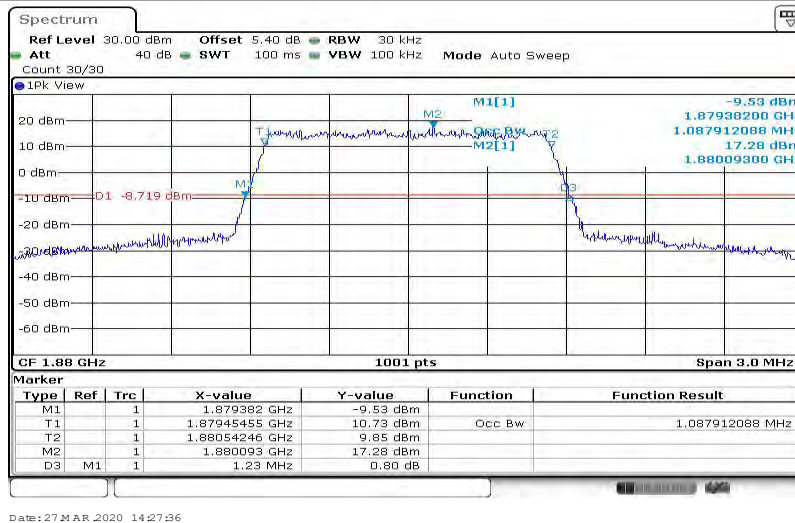
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053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

### 4.2. Test Plots

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



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



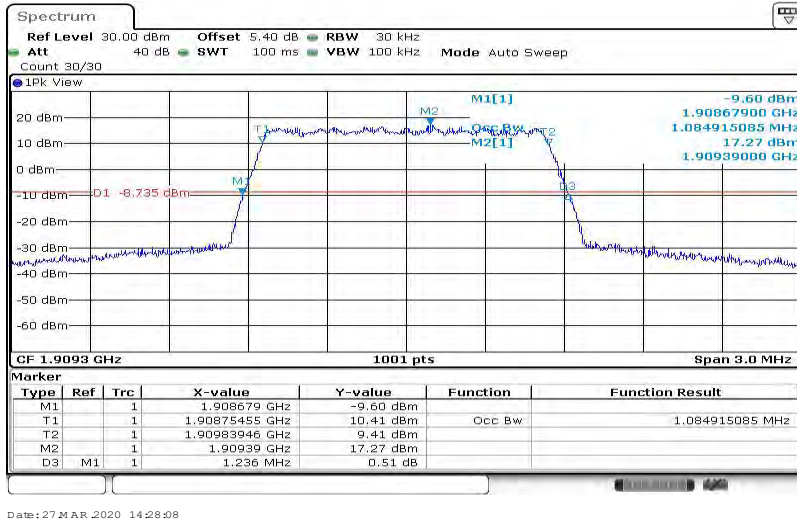
**Band2-1.4MHz-QPSK-19193-6RB#0-1.085**



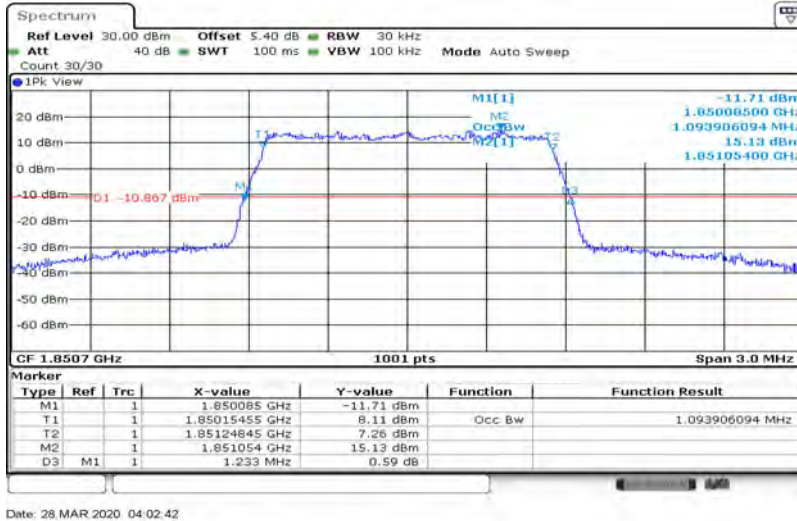
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



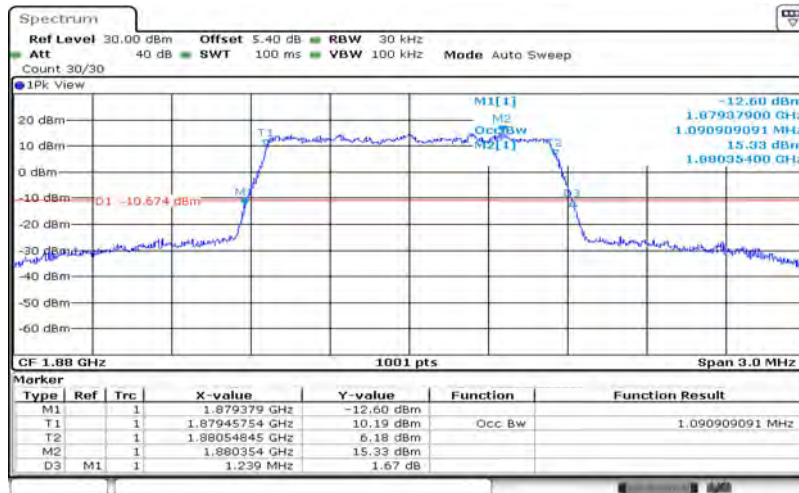
Band-2-1.4MHz-64QAM-18607-6RB#0-1.094



Band-2-1.4MHz-64QAM-18900-6RB#0-1.091

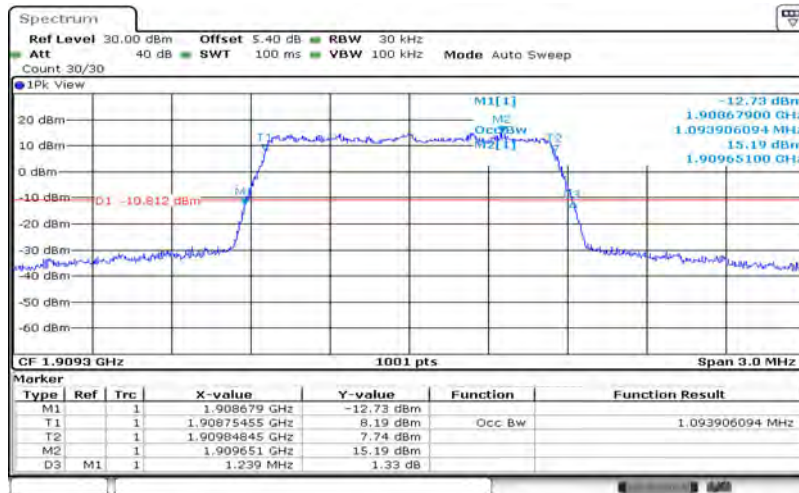


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28.MAR.2020 04:02:55

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



Date: 28.MAR.2020 04:03:08

Band2-1.4MHz-16QAM-18607-6RB#0-1.085

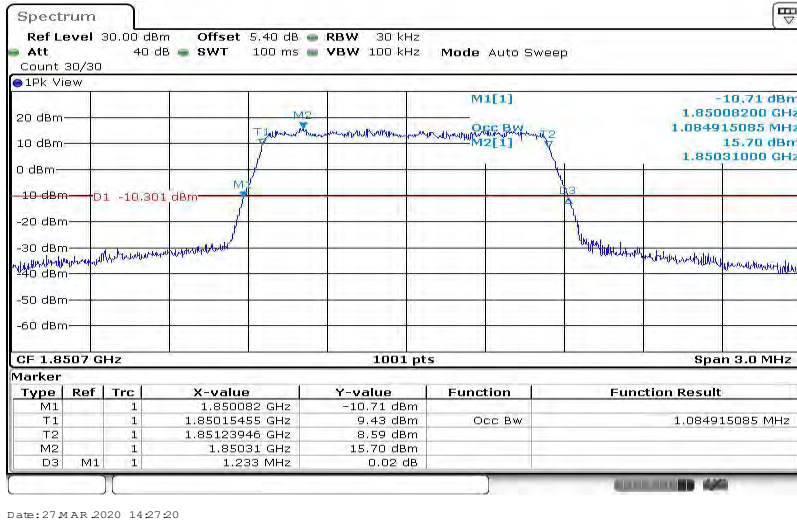


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

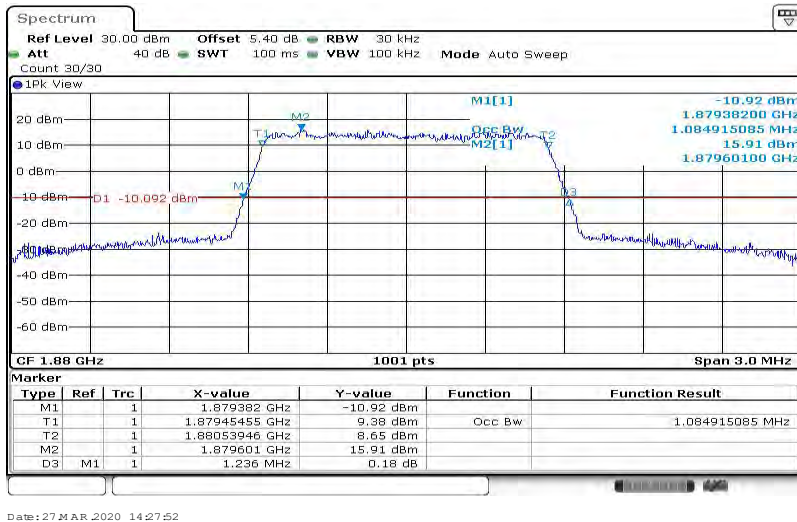
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

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





**Band-2-1.4MHz-16QAM-18900-6RB#0-1.085**



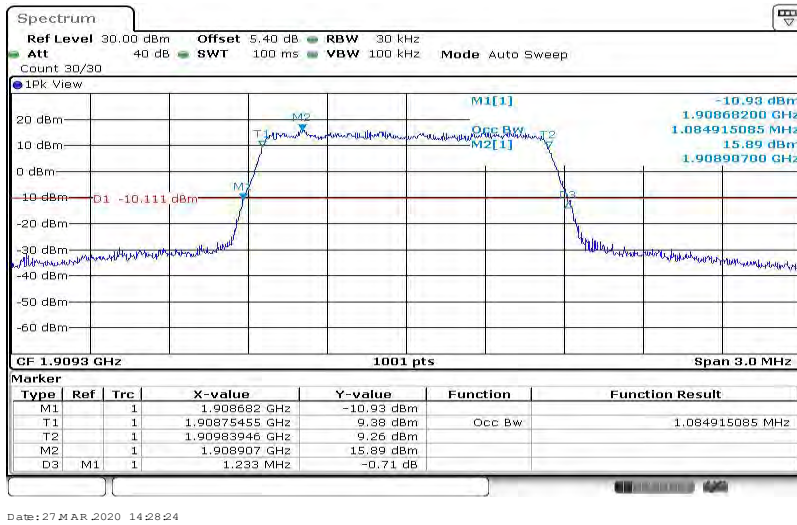
**Band-2-1.4MHz-16QAM-19193-6RB#0-1.085**



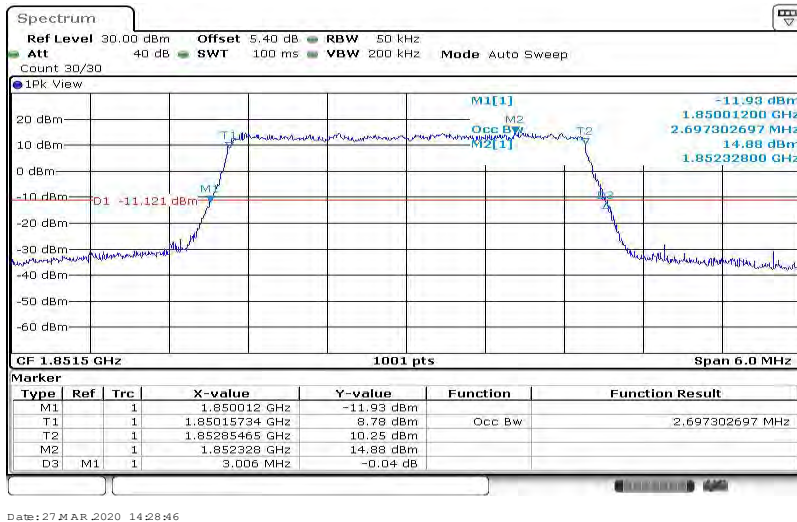
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



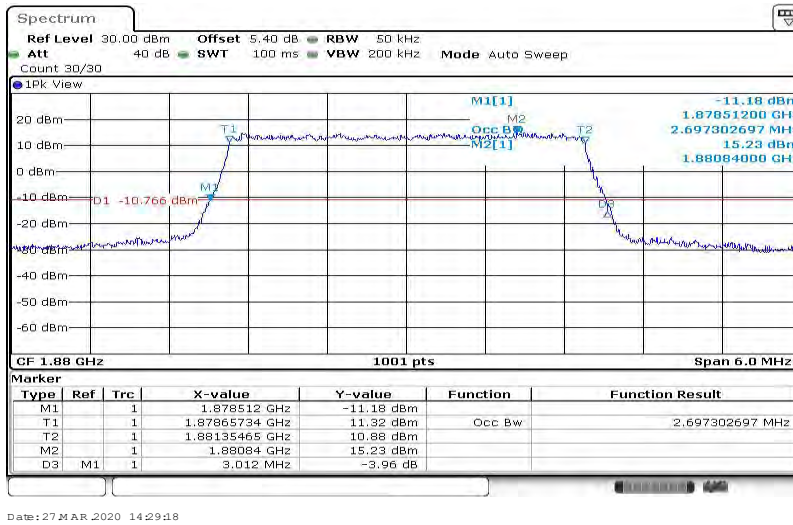
**Band2-3MHz-QPSK-18615-15RB#0-2.697**



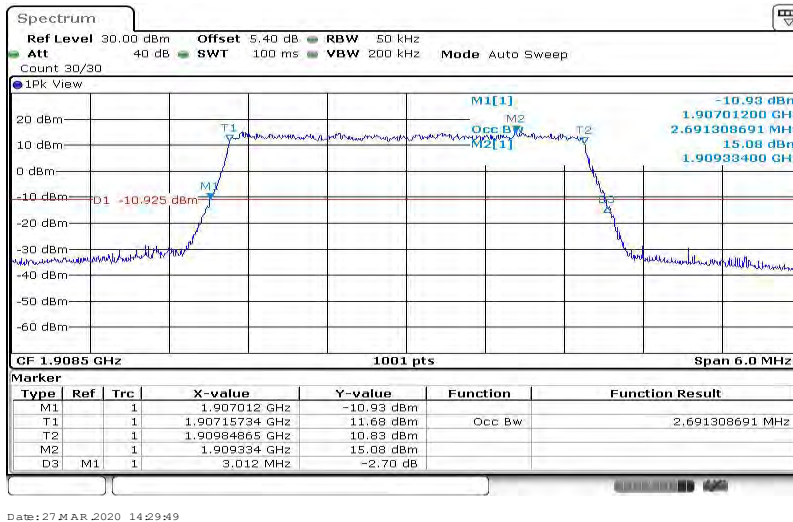
**Band2-3MHz-QPSK-18900-15RB#0-2.697**



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



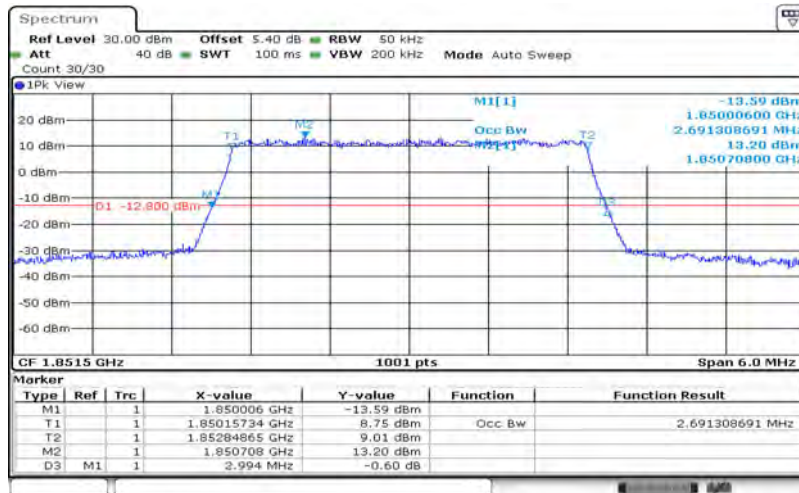
**Band2-3MHz-QPSK-19185-15RB#0-2.691**



**Band2-3MHz-64QAM-18615-15RB#0-2.691**

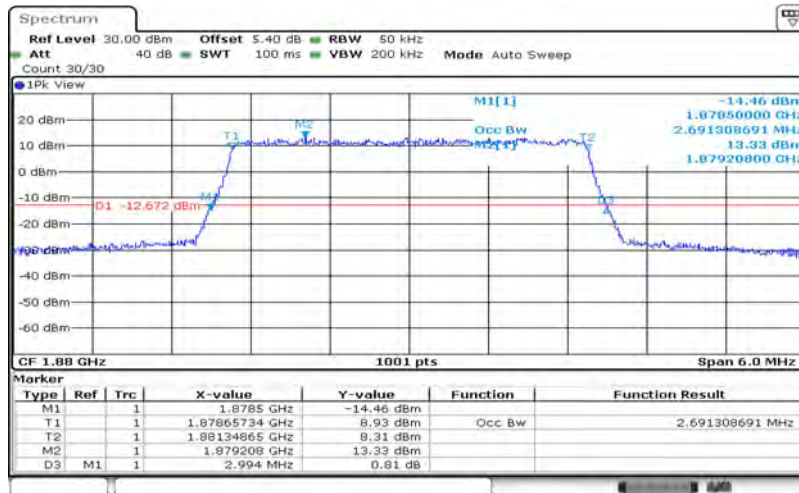


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28.MAR.2020 04:03:28

**Band2-3MHz-64QAM-18900-15RB#0-2.691**

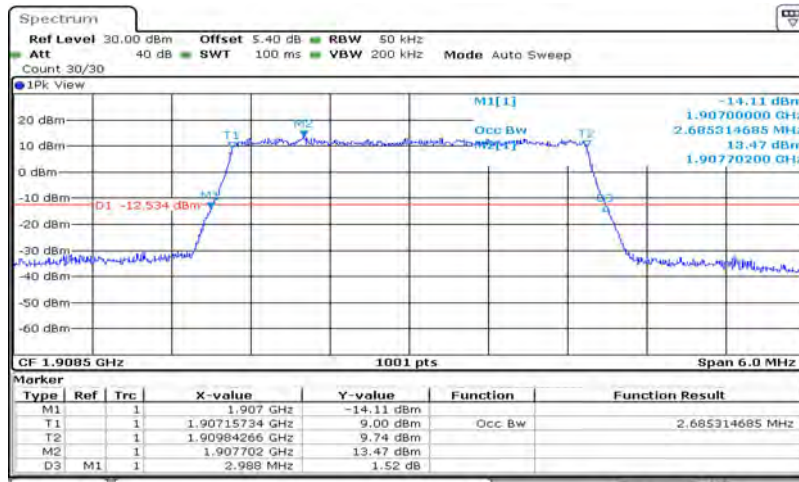


Date: 28.MAR.2020 04:03:41

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

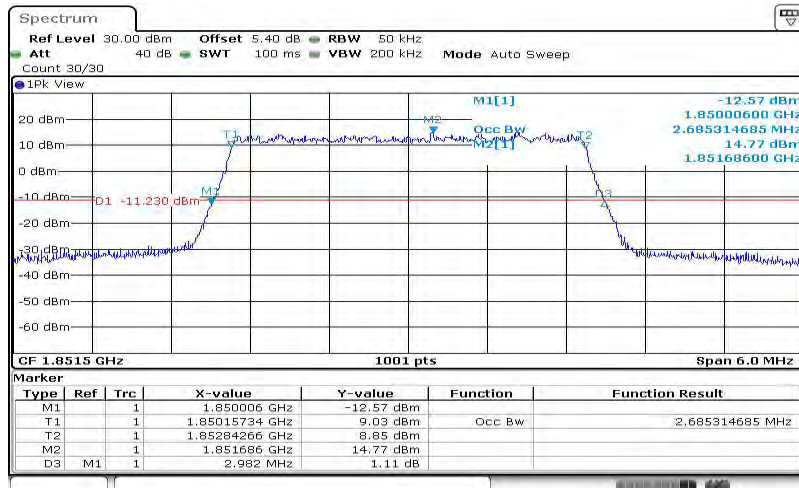


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 MAR 2020 04:03:54

**Band2-3MHz-16QAM-18615-15RB#0-2.685**



Date: 27 MAR 2020 14:29:02

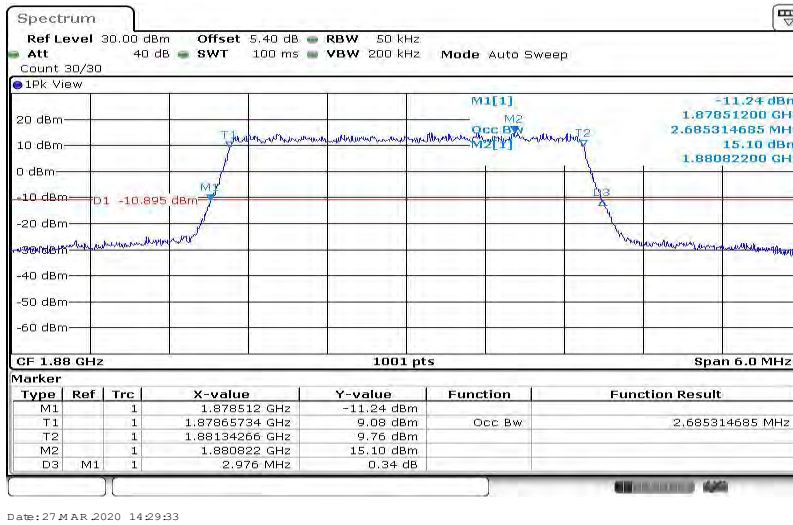
**Band2-3MHz-16QAM-18900-15RB#0-2.685**



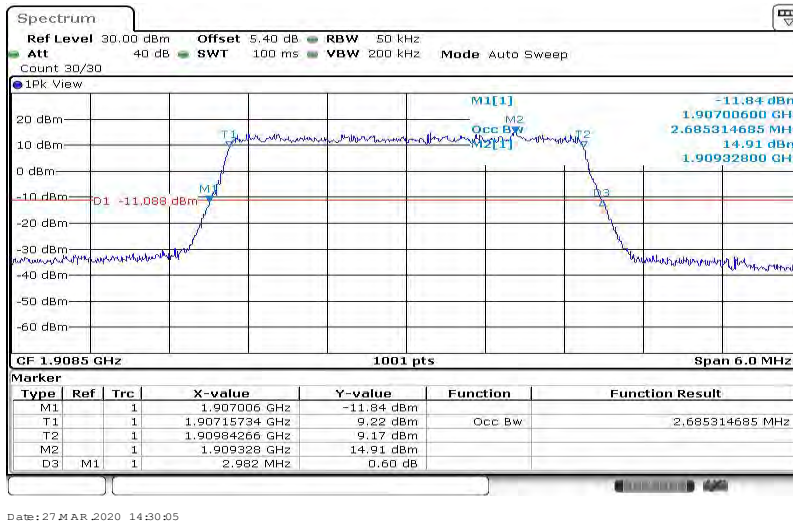
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



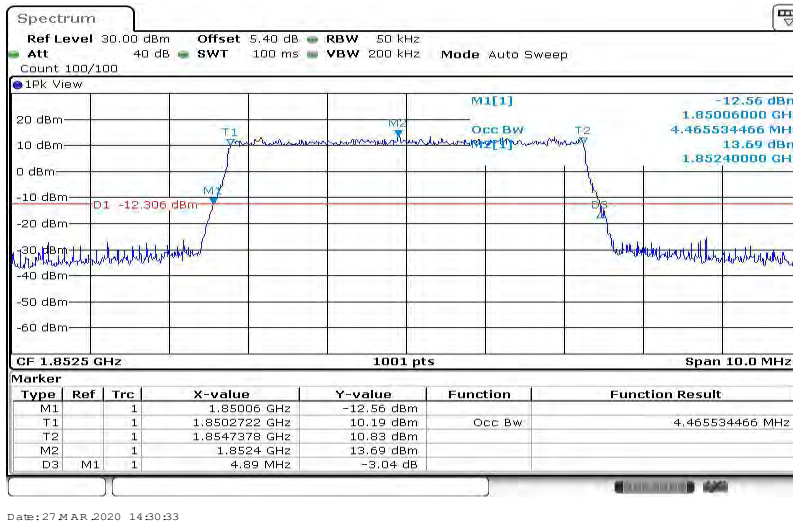
Band2-3MHz-16QAM-19185-15RB#0-2.685



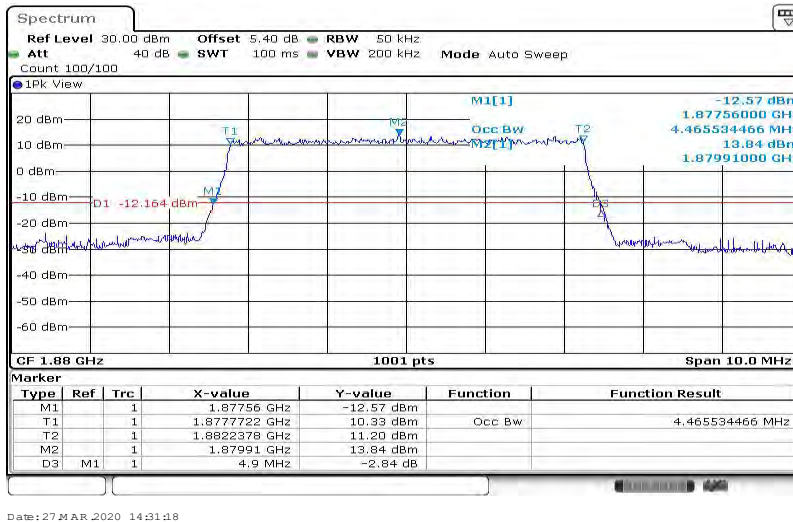
Band2-5MHz-QPSK-18625-25RB#0-4.466



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



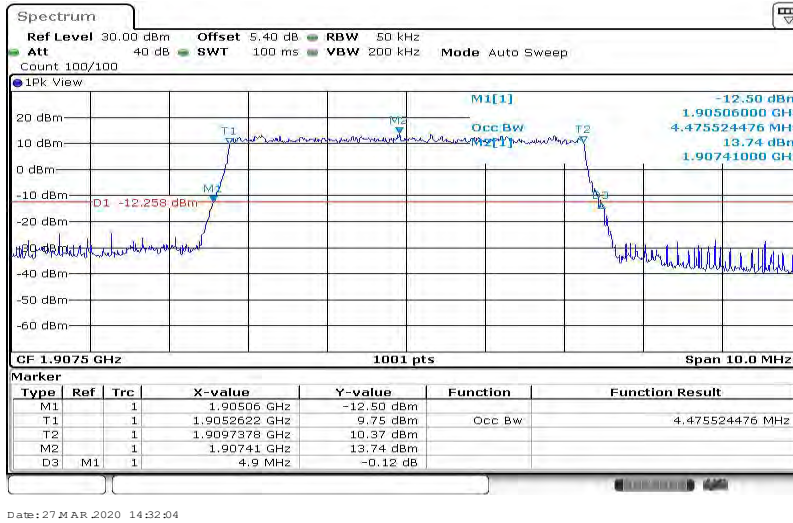
**Band2-5MHz-QPSK-18900-25RB#0-4.466**



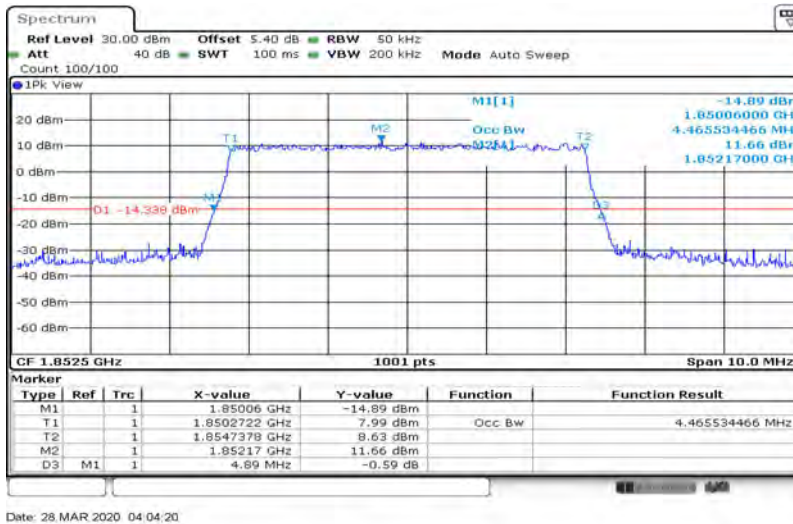
**Band2-5MHz-QPSK-19175-25RB#0-4.476**



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



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

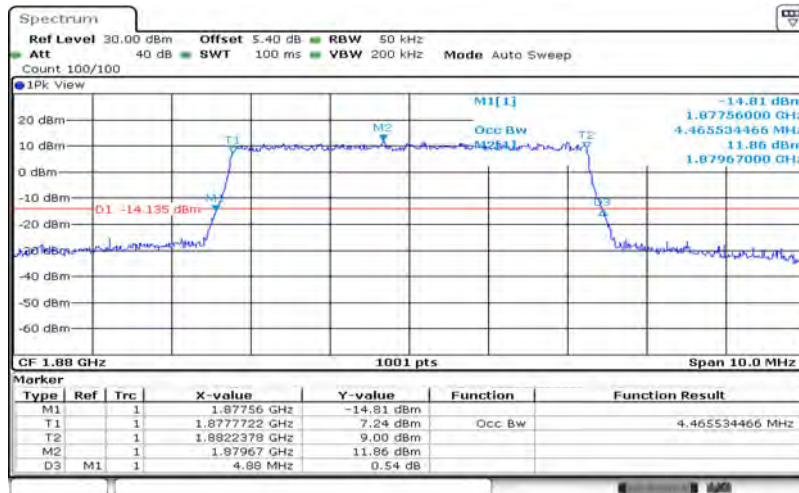


**Band2-5MHz-64QAM-18900-25RB#0-4.466**



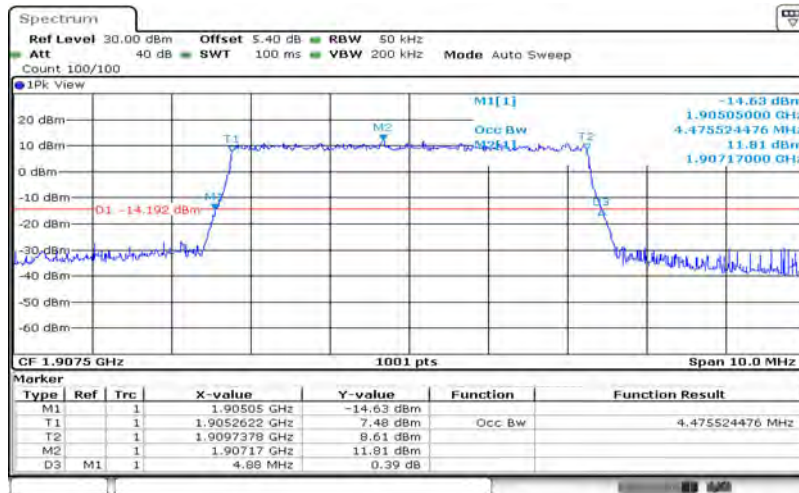
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





Date: 28.MAR.2020 04:04:40

Band2-5MHz-64QAM-19175-25RB#0-4.476

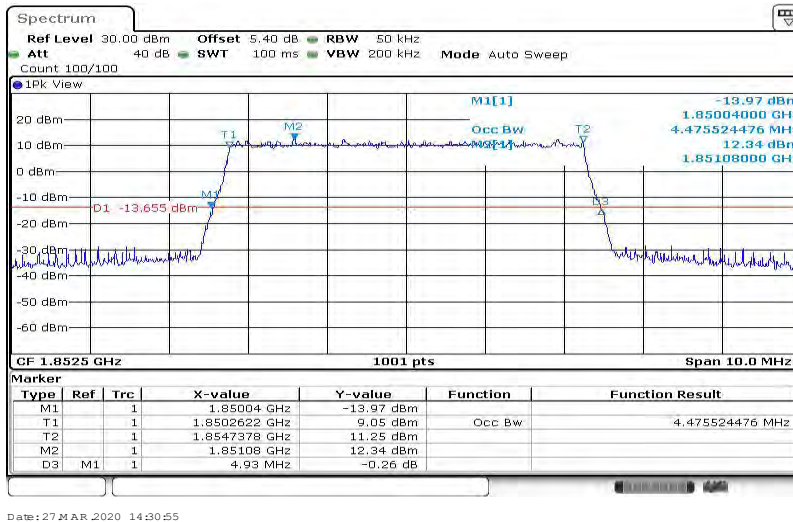


Date: 28.MAR.2020 04:05:00

Band2-5MHz-16QAM-18625-25RB#0-4.476

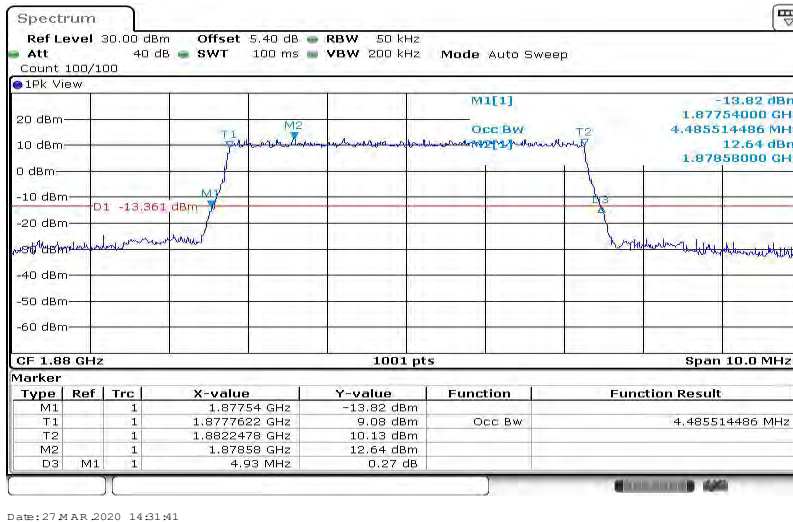


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 14:30:55

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



Date: 27 MAR 2020 14:31:41

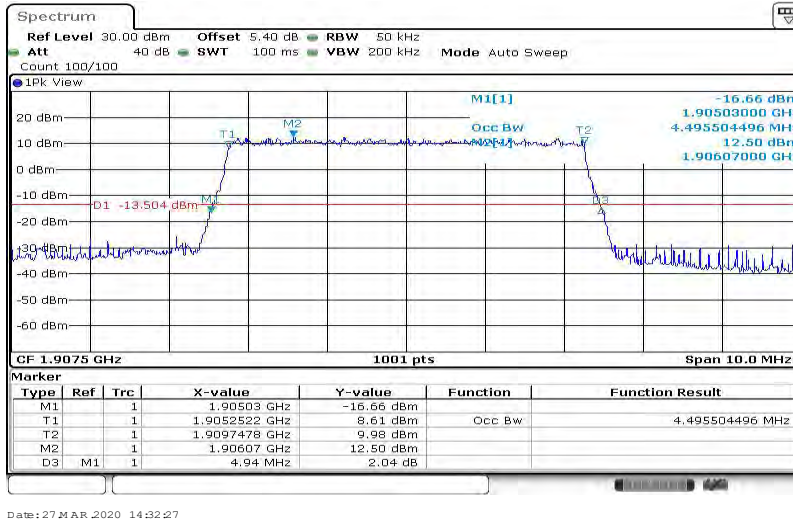
**Band2-5MHz-16QAM-19175-25RB#0-4.496**



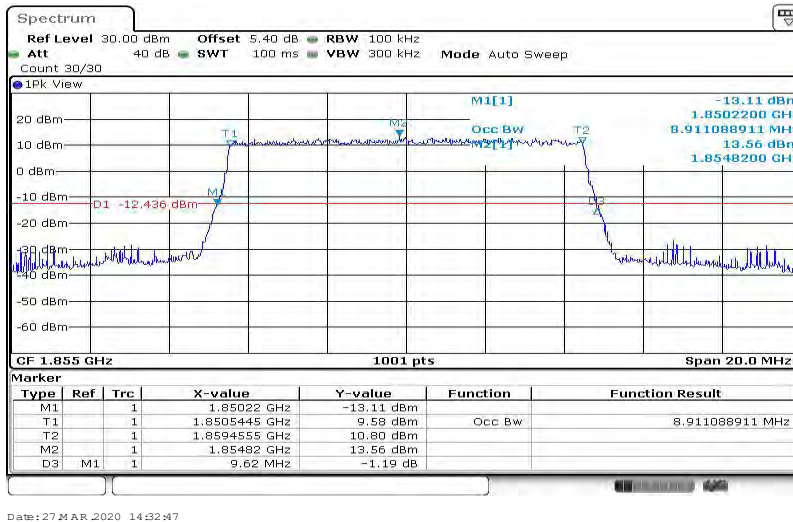
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



**Band2-10MHz-QPSK-18650-50RB#0-8.911**



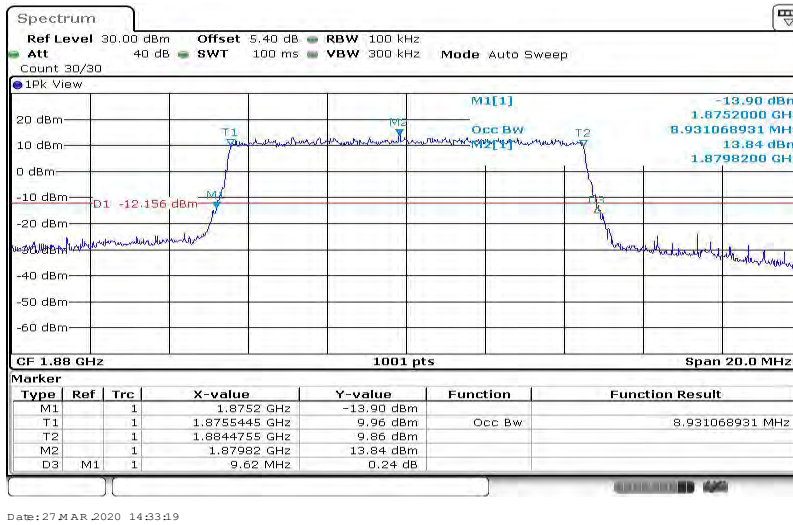
**Band2-10MHz-QPSK-18900-50RB#0-8.931**



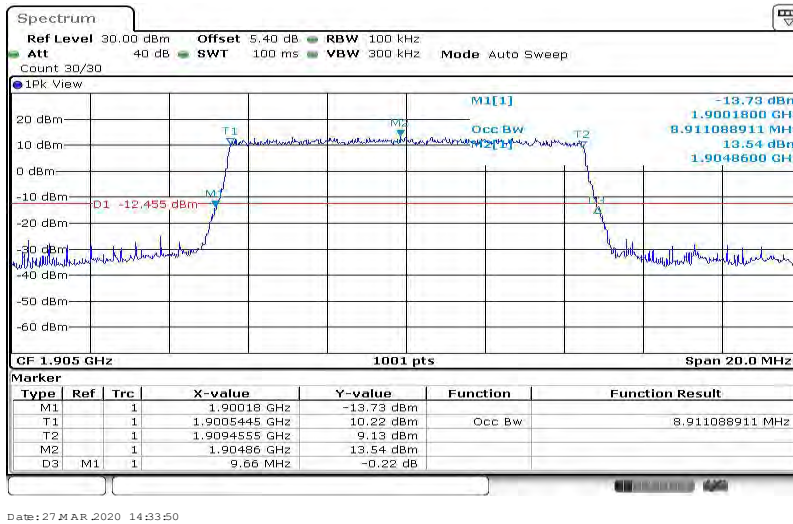
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



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

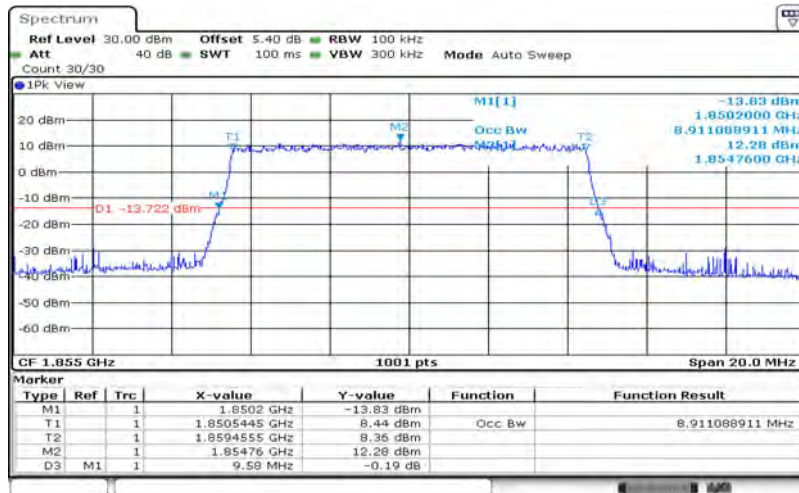


**Band2-10MHz-64QAM-18650-50RB#0-8.911**

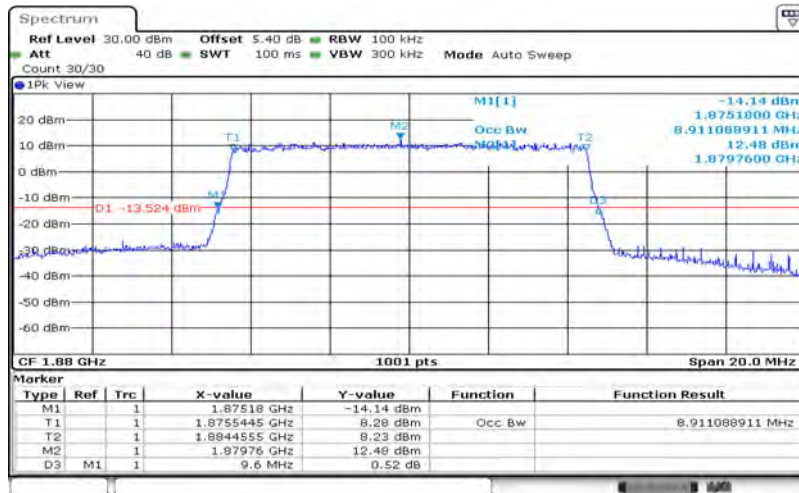


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band2-10MHz-64QAM-18900-50RB#0-8.911



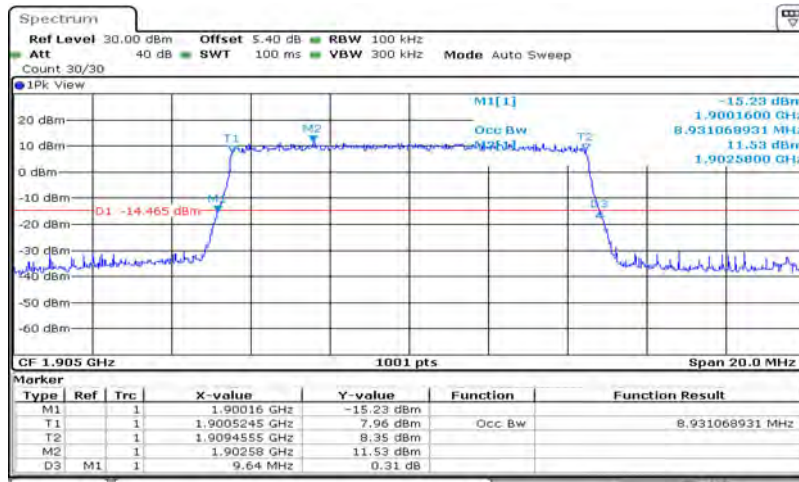
Band2-10MHz-64QAM-19150-50RB#0-8.931



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

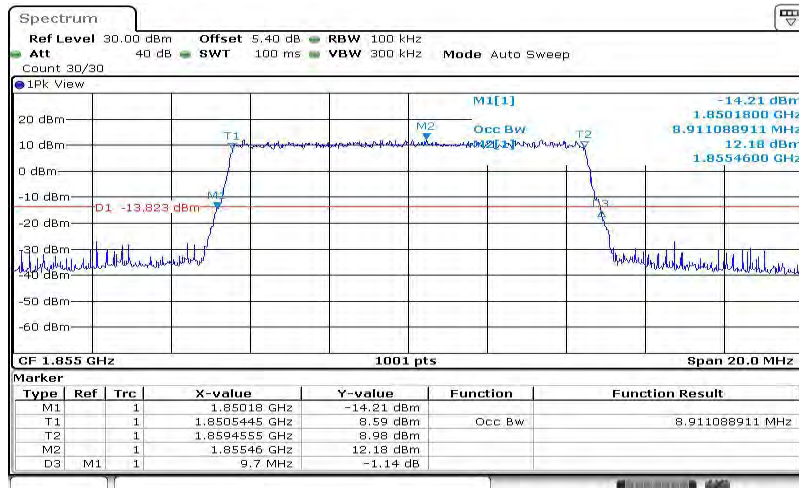
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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



Date: 28 MAR 2020 04:05:46

**Band2-10MHz-16QAM-18650-50RB#0-8.911**

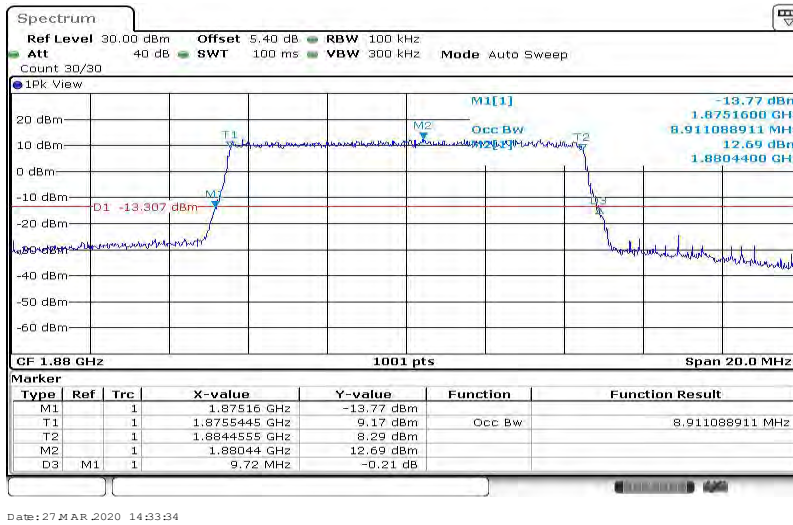


Date: 27 MAR 2020 14:33:03

**Band2-10MHz-16QAM-18900-50RB#0-8.911**

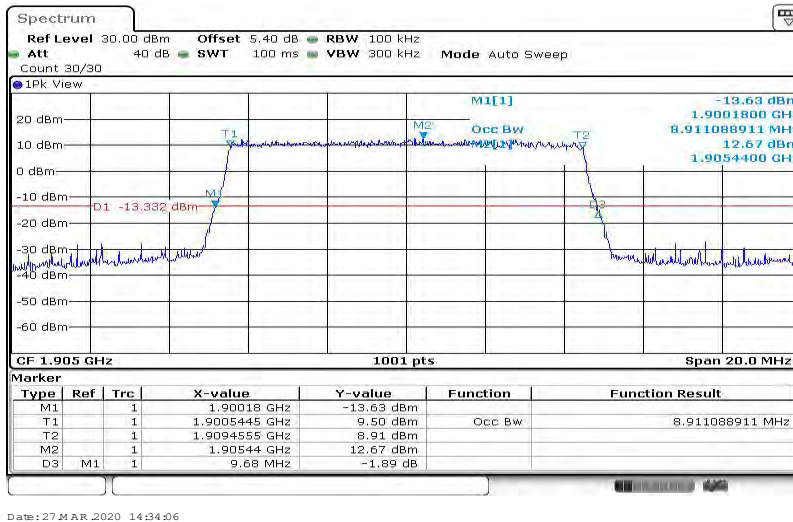


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 14:33:34

**Band2-10MHz-16QAM-19150-50RB#0-8.911**

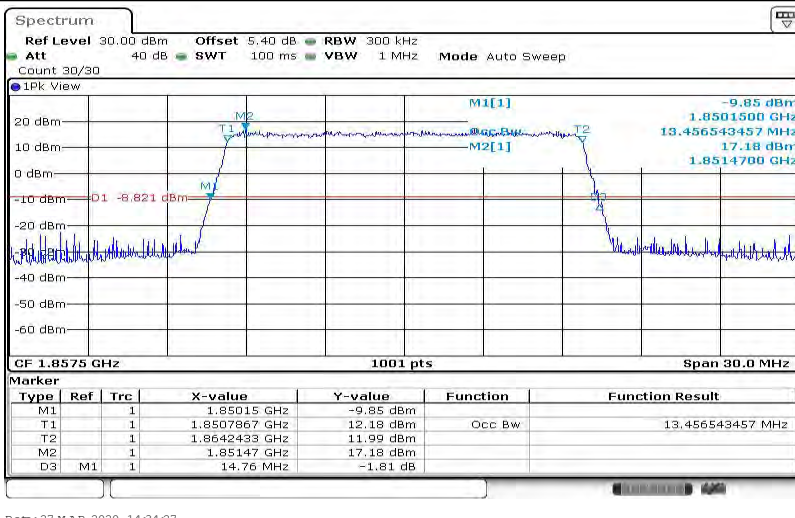


Date: 27 MAR 2020 14:34:06

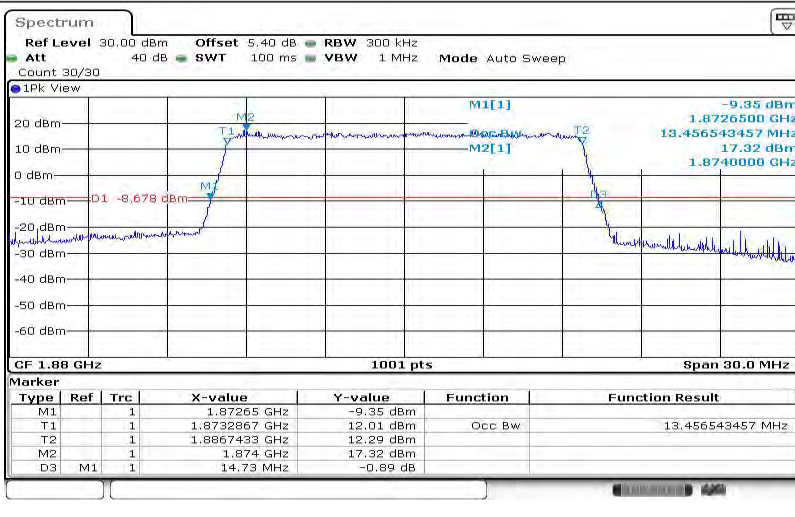
**Band2-15MHz-QPSK-18675-75RB#0-13.457**



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



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



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

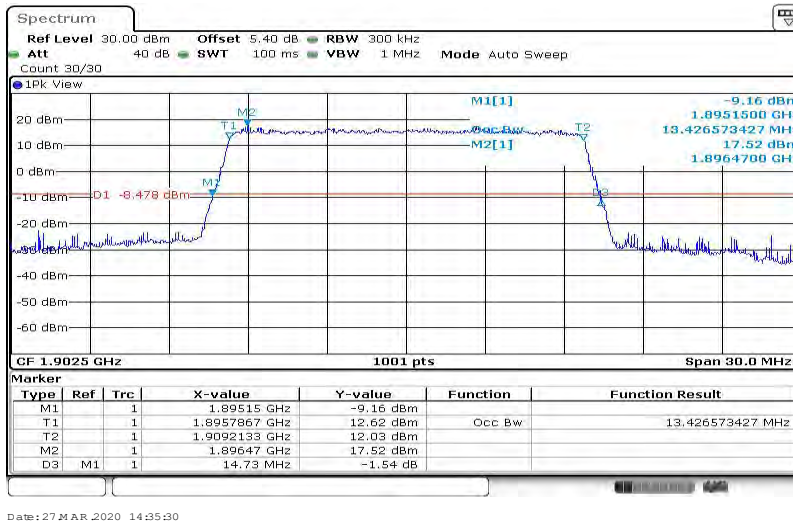


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

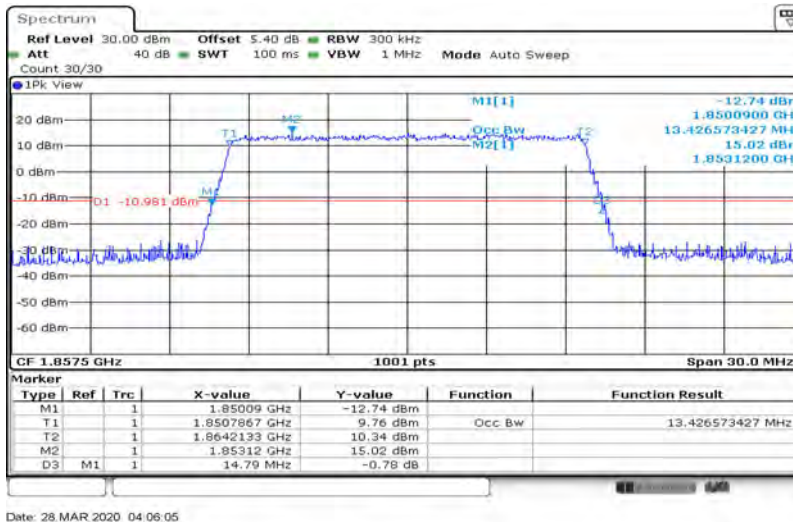
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

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



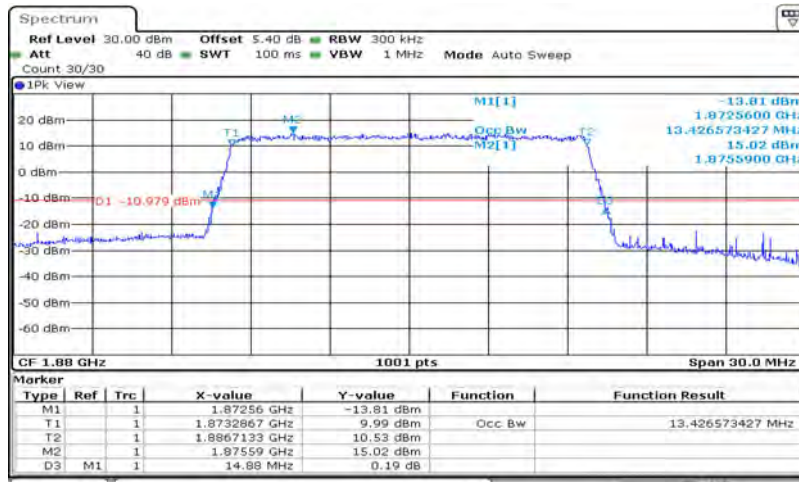


**Band2-15MHz-64QAM-18675-75RB#0-13.427**



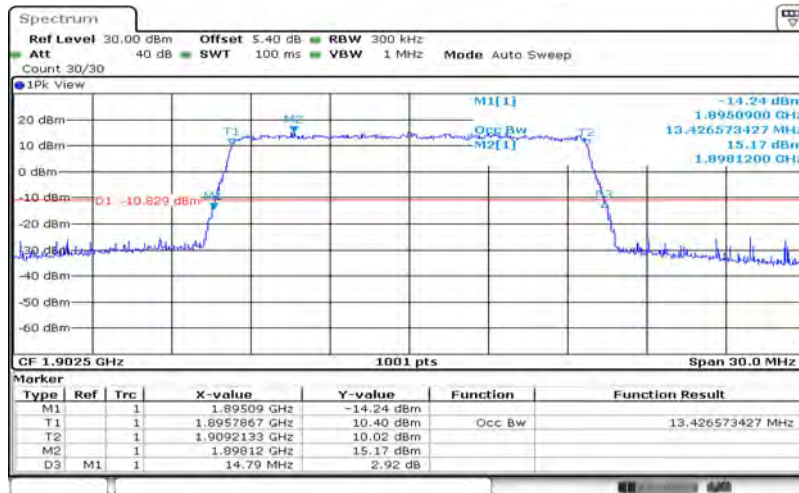
**Band2-15MHz-64QAM-18900-75RB#0-13.427**





Date: 28.MAR.2020 04:06:18

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

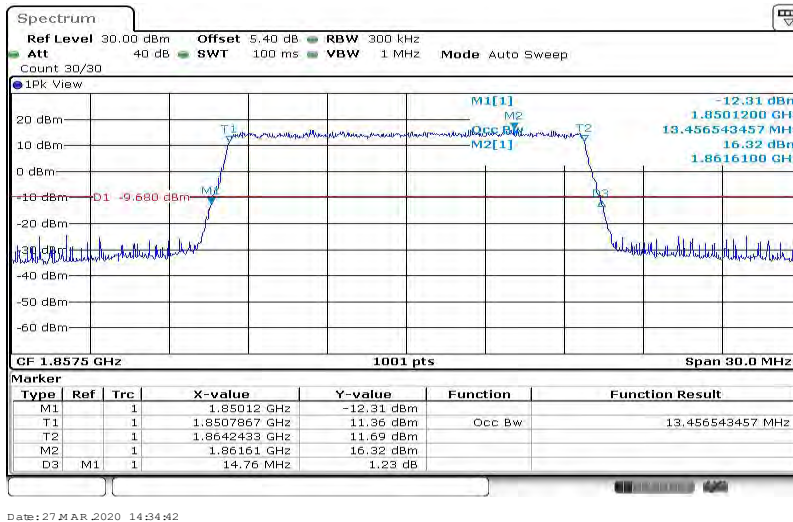


Date: 28.MAR.2020 04:06:31

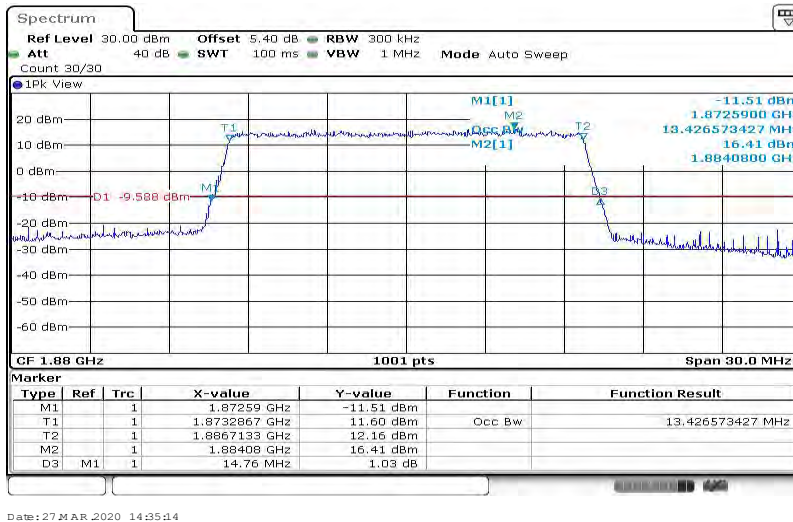
**Band2-15MHz-16QAM-18675-75RB#0-13.457**



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



**Band2-15MHz-16QAM-18900-75RB#0-13.427**



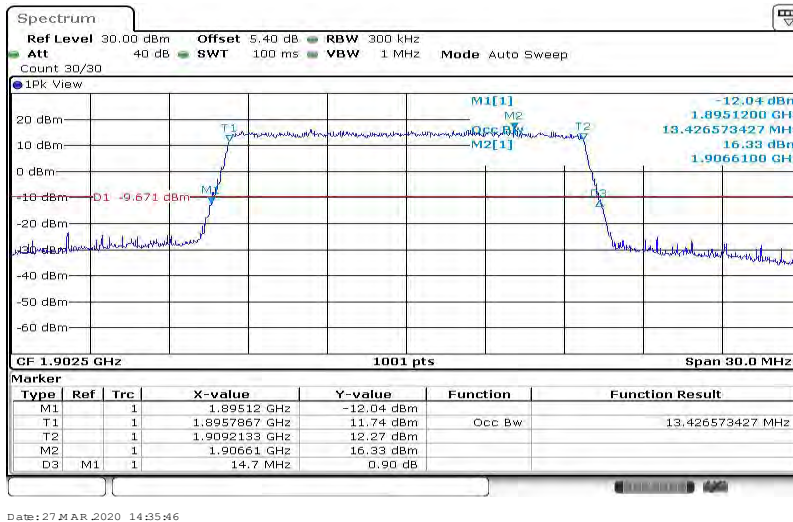
**Band2-15MHz-16QAM-19125-75RB#0-13.427**



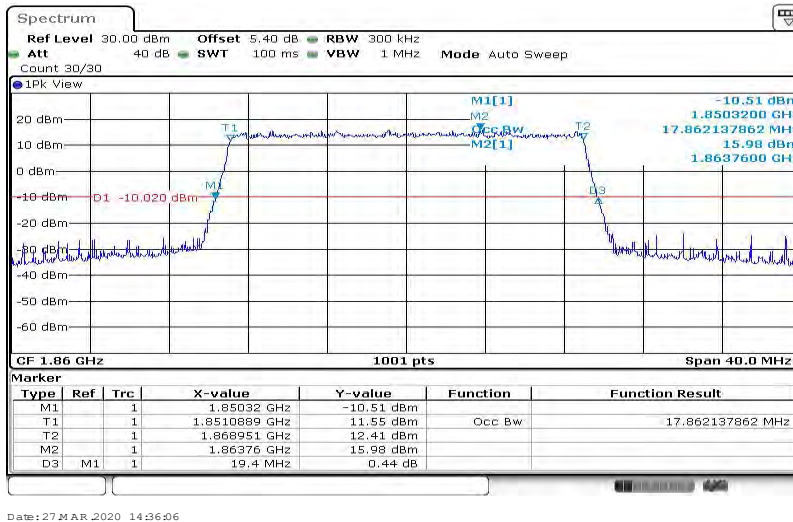
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



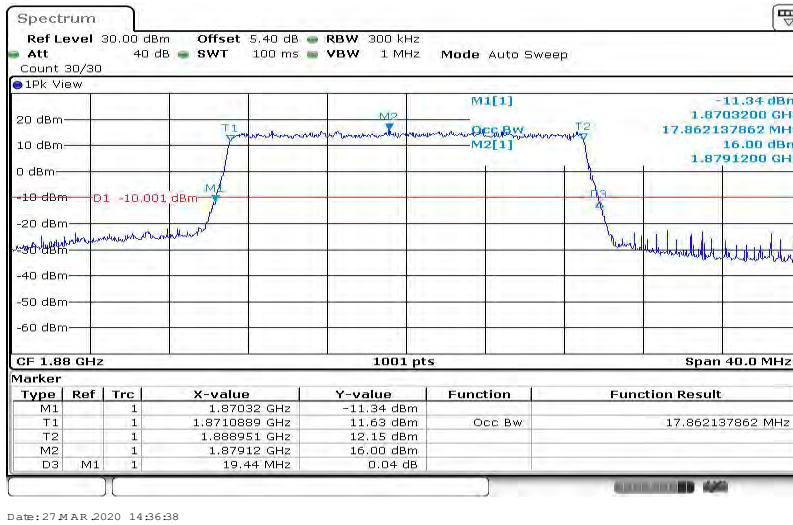
**Band2-20MHz-QPSK-18700-100RB#0-17.862**



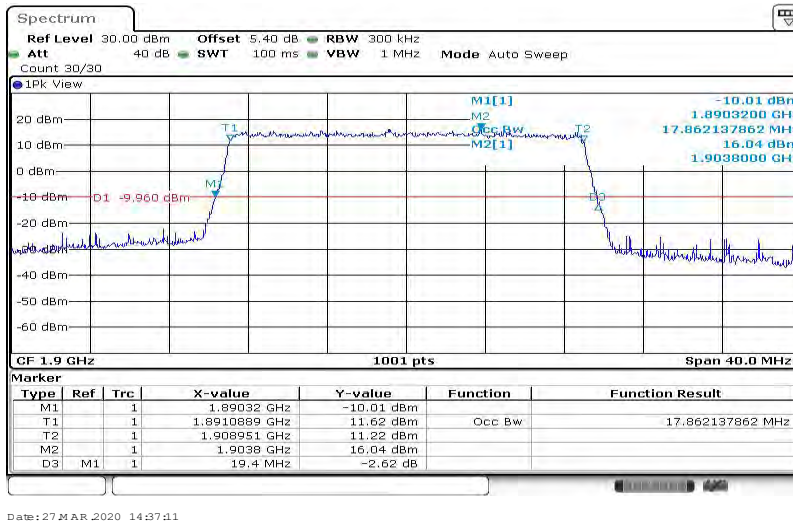
**Band2-20MHz-QPSK-18900-100RB#0-17.862**



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



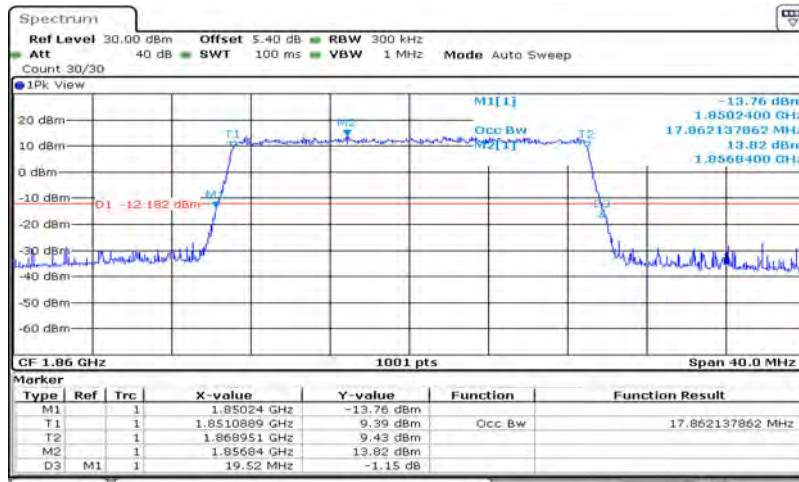
**Band2-20MHz-QPSK-19100-100RB#0-17.862**



**Band2-20MHz-64QAM-18700-100RB#0-17.862**

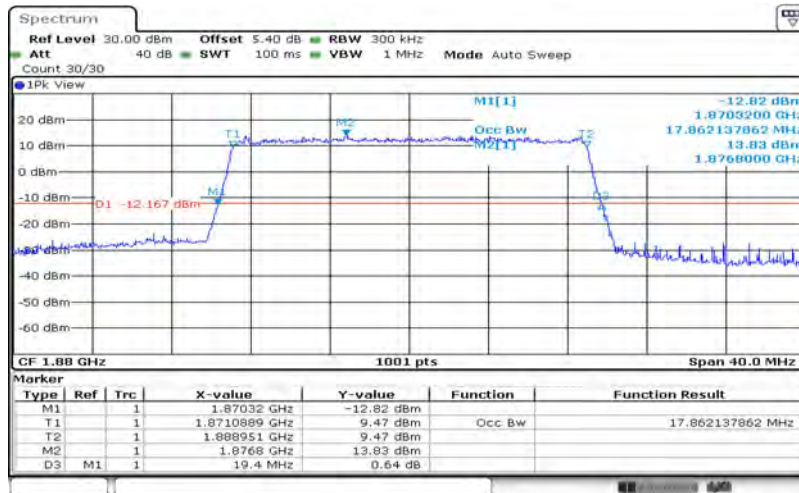


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28.MAR.2020 04:06:51

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

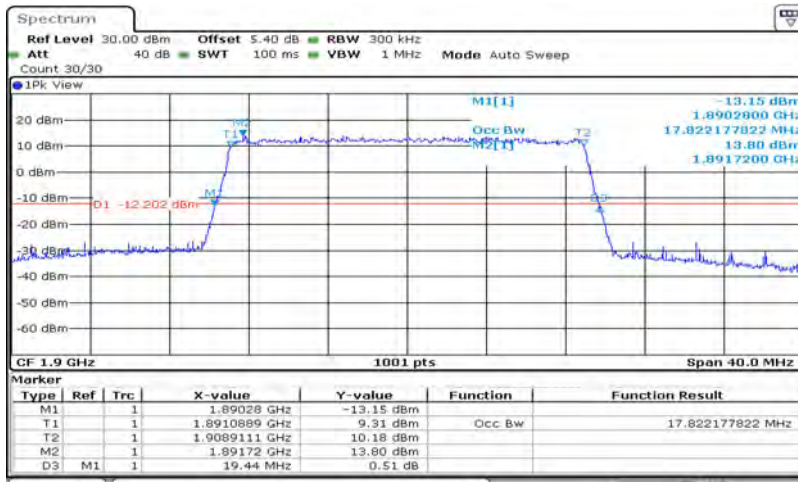


Date: 28.MAR.2020 04:07:04

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

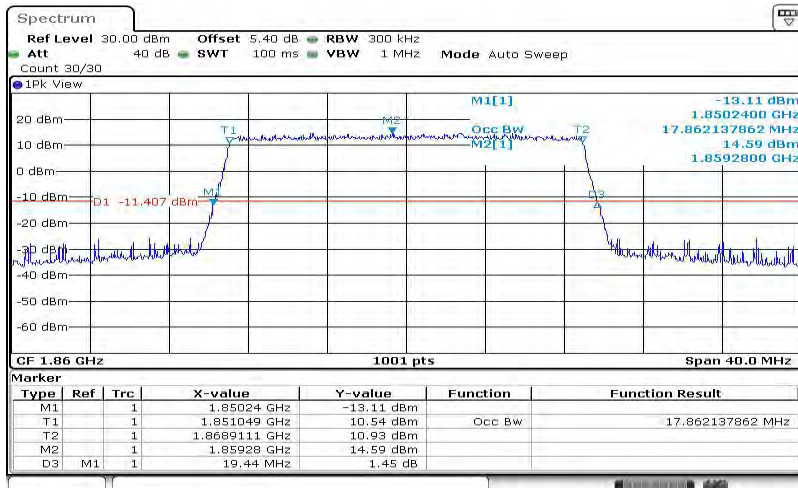


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28.MAR.2020 04:07:17

**Band2-20MHz-16QAM-18700-100RB#0-17.862**



Date: 27.MAR.2020 14:36:22

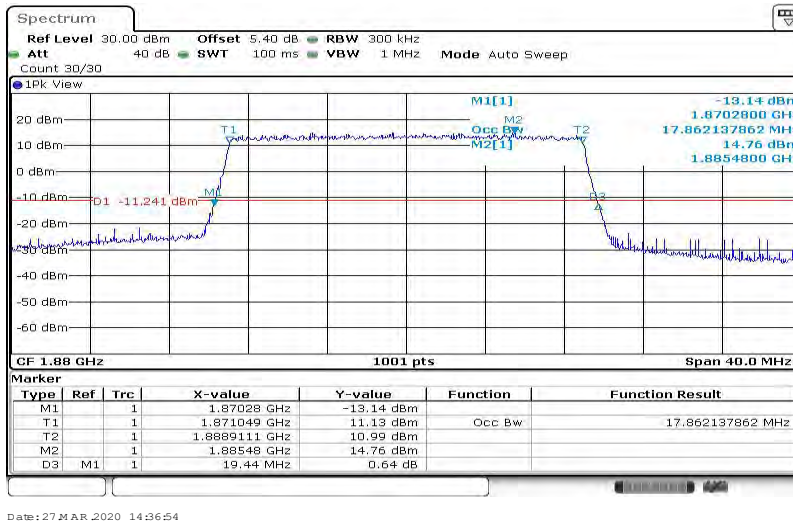
**Band2-20MHz-16QAM-18900-100RB#0-17.862**



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

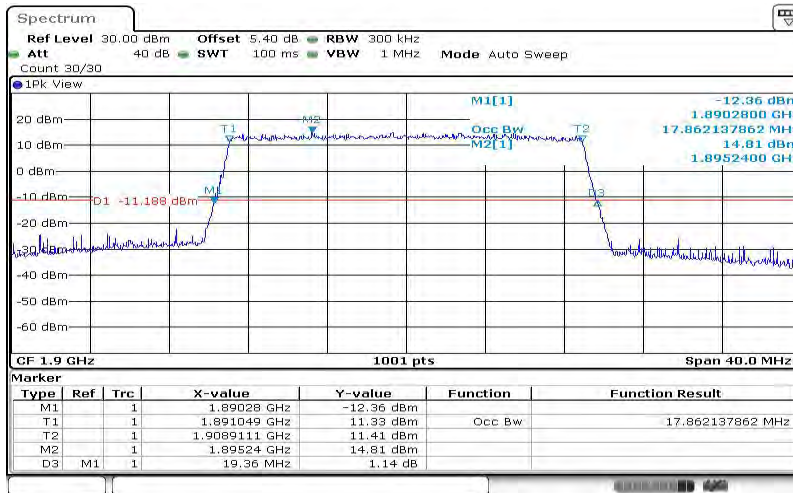
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

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



Date: 27 MAR 2020 14:36:54

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



Date: 27 MAR 2020 14:37:27



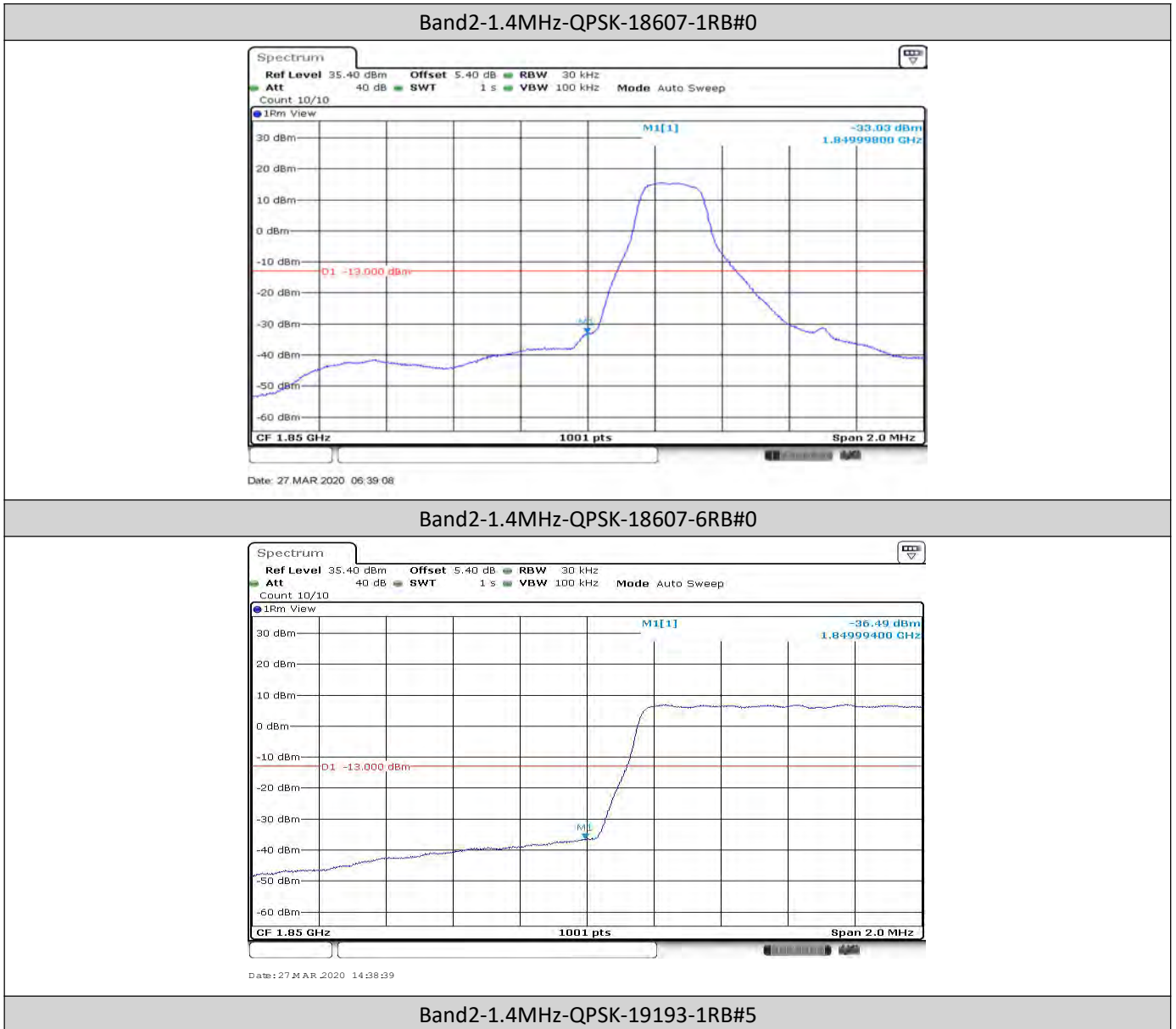
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





## 5. Band Edge Compliance

### 5.1. Test Plots





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



**Band2-1.4MHz-64QAM-18607-1RB#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.



Date: 28 MAR 2020 04 07:43

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

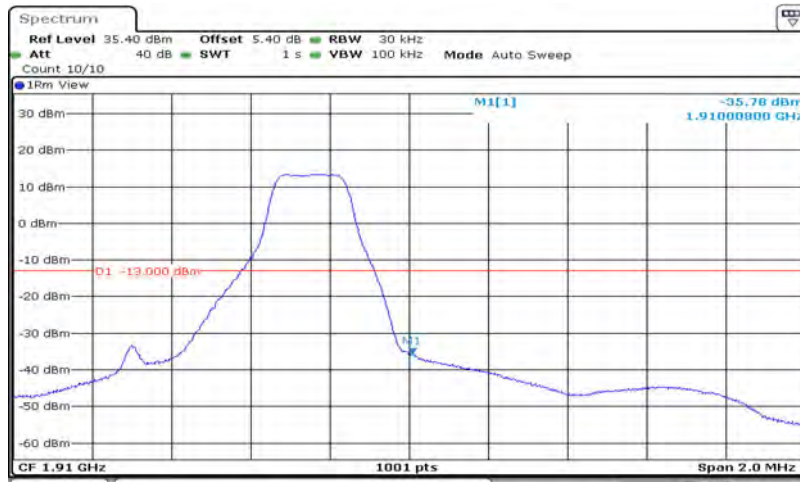


Date: 28 MAR 2020 04 08:03

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



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



Date: 28 MAR 2020 04:08:28

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

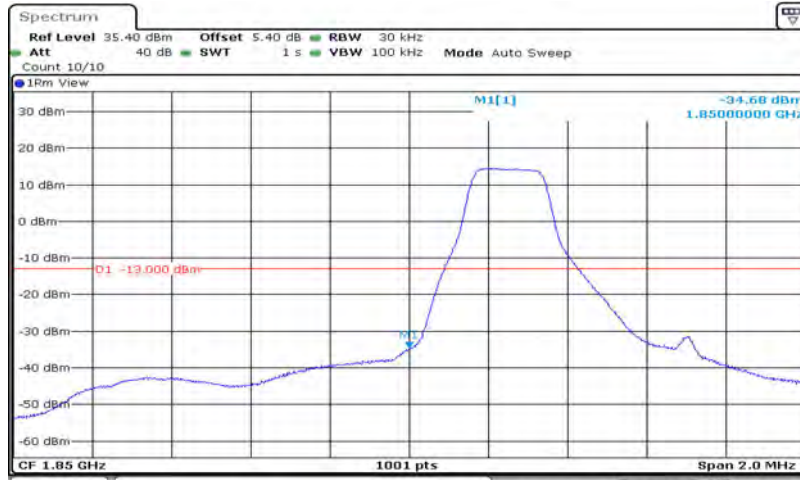


Date: 28 MAR 2020 04:08:47

**Band2-1.4MHz-16QAM-18607-1RB#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](mailto:CN.Doccheck@sgs.com)



Date: 27 MAR 2020 06:39:28

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

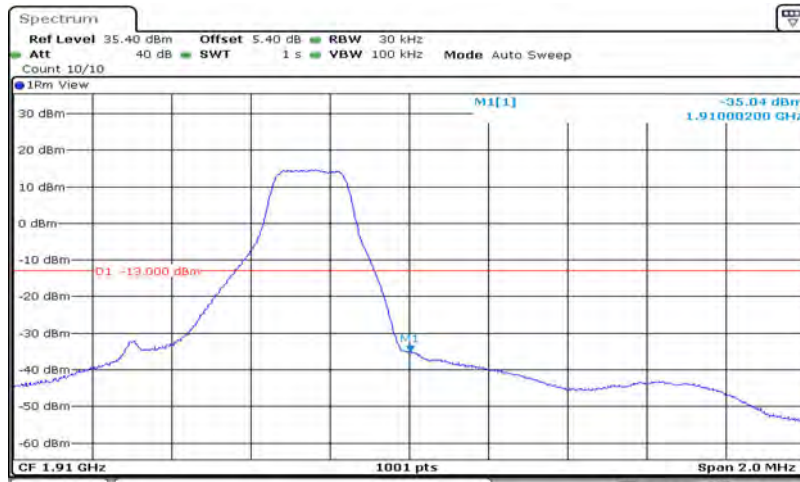


Date: 27 MAR 2020 14:39:02

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



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



Date: 27 MAR 2020 06:40:56

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

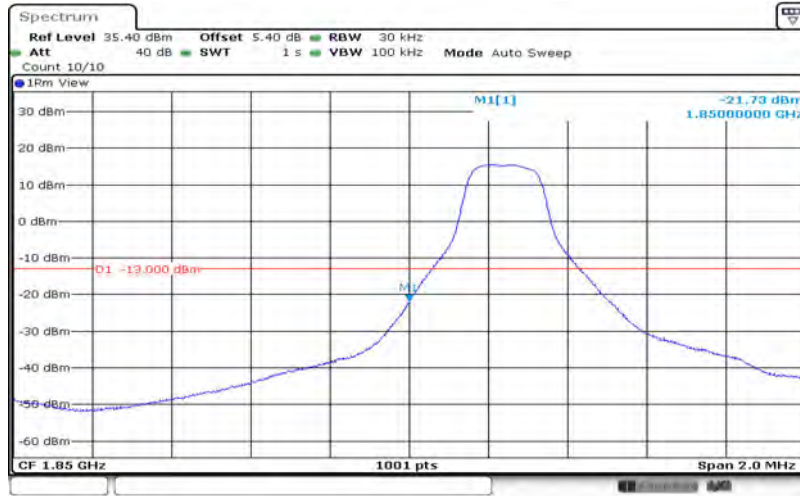


Date: 27 MAR 2020 14:40:37

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

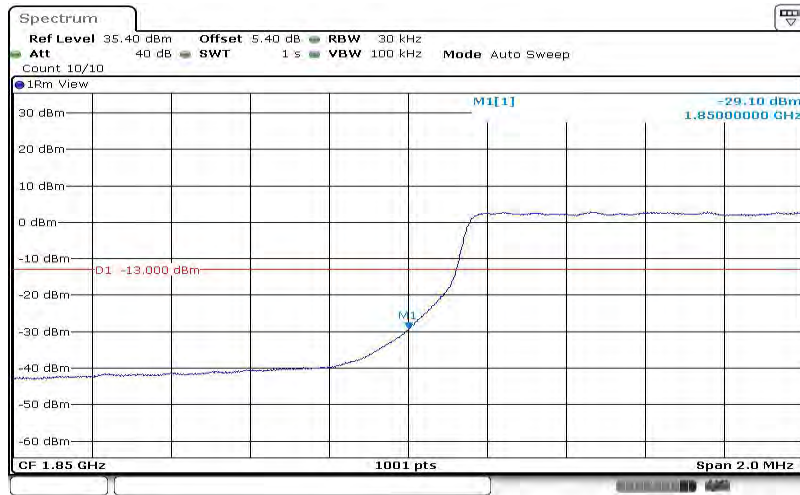


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 06:42:00

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



Date: 27 MAR 2020 14:41:50

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



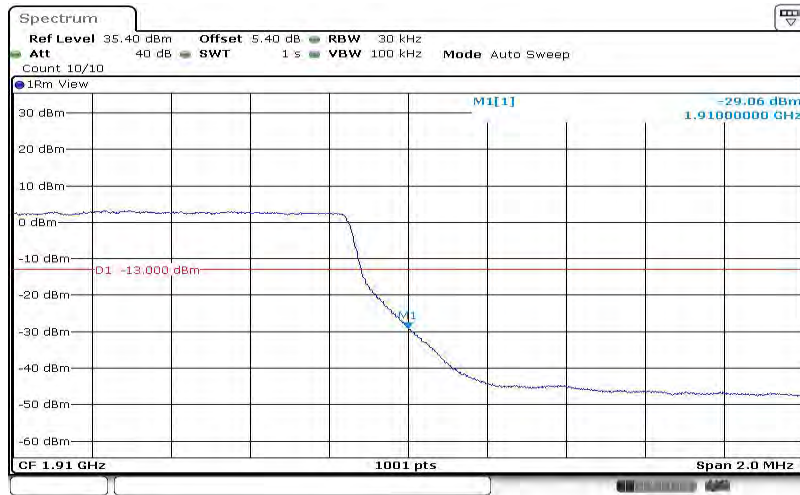
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



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

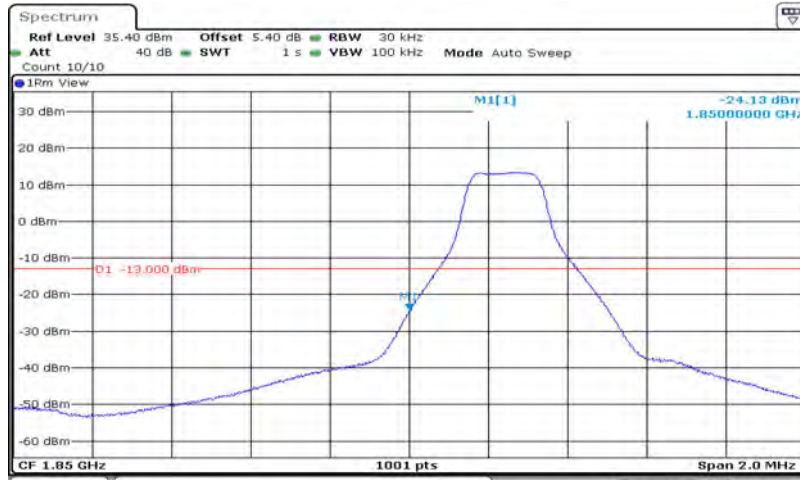


**Band2-3MHz-64QAM-18615-1RB#0**

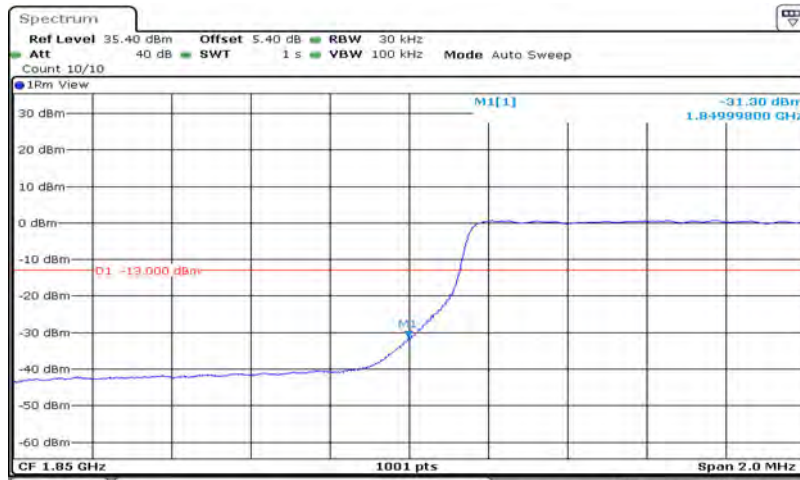


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





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



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

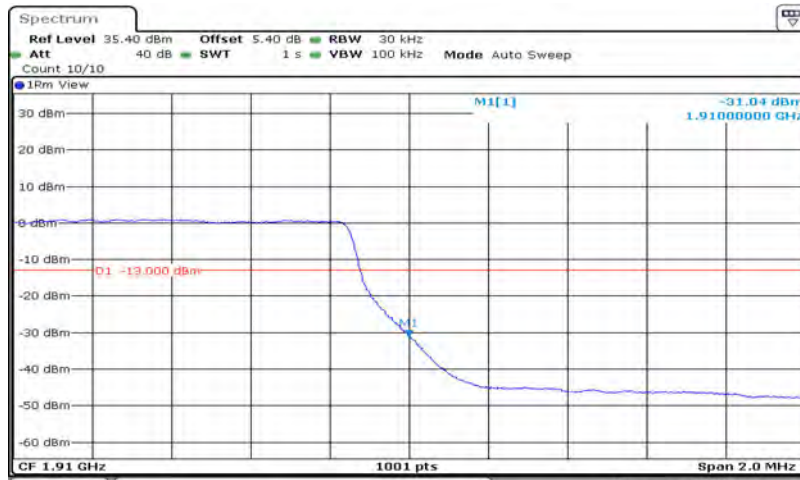


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 MAR 2020 04:09:58

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

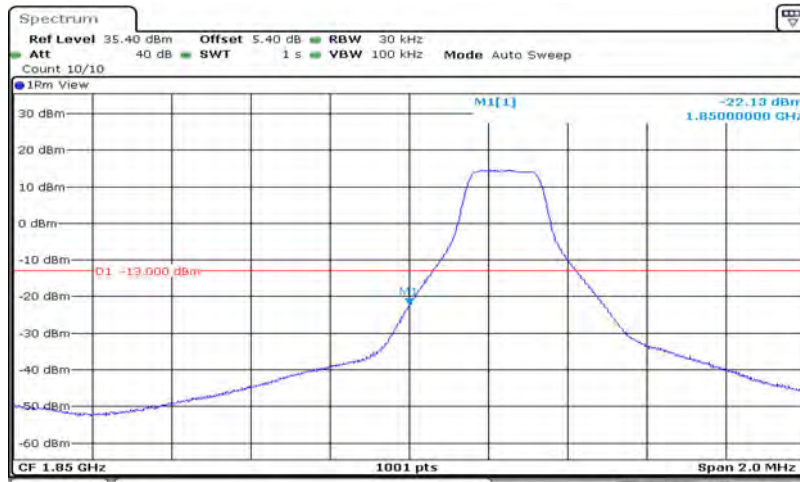


Date: 28 MAR 2020 04:10:18

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



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



Date: 27 MAR 2020 06:42:20

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



Date: 27 MAR 2020 14:42:13

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



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



Date: 27 MAR 2020 06:43:43

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

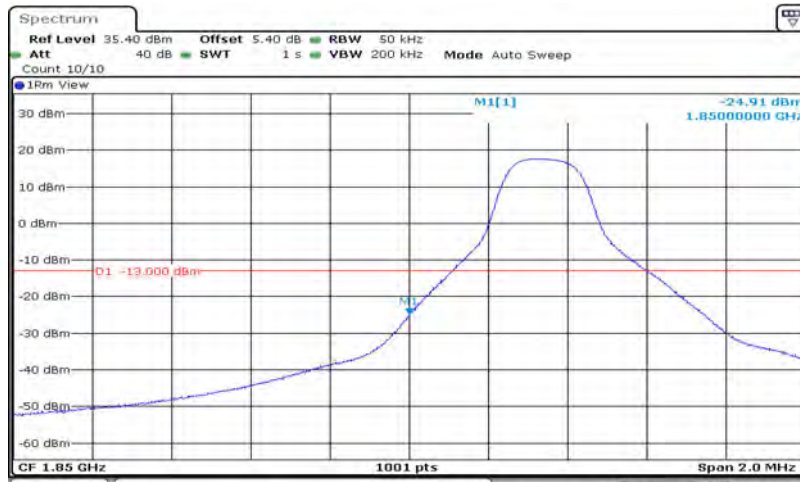


Date: 27 MAR 2020 14:43:47

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



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



Date: 27 MAR 2020 06:44:47

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



Date: 27 MAR 2020 14:45:00

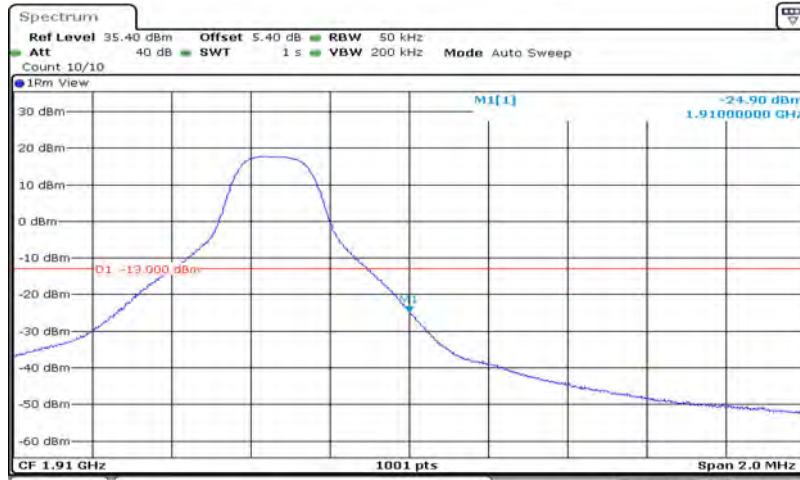
**Band2-5MHz-QPSK-19175-1RB#24**



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

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

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



Date: 27 MAR 2020 06:46:09

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



Date: 27 MAR 2020 14:46:35

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



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



Date: 28 MAR 2020 04:10:44

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

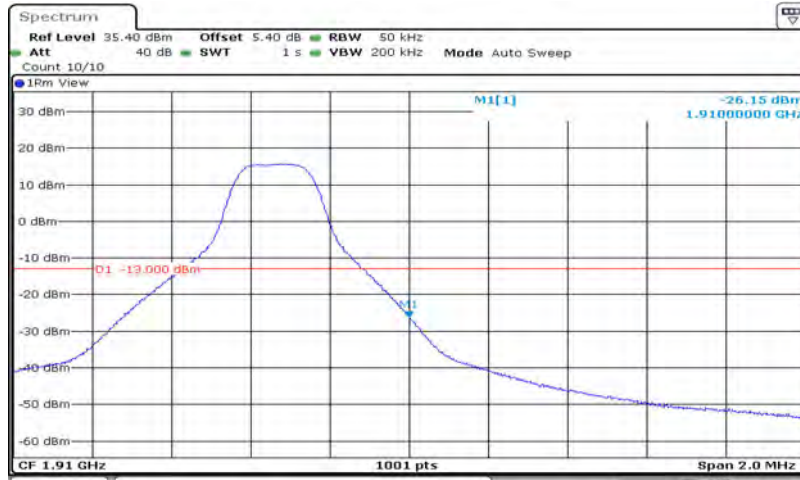


Date: 28 MAR 2020 04:11:03

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

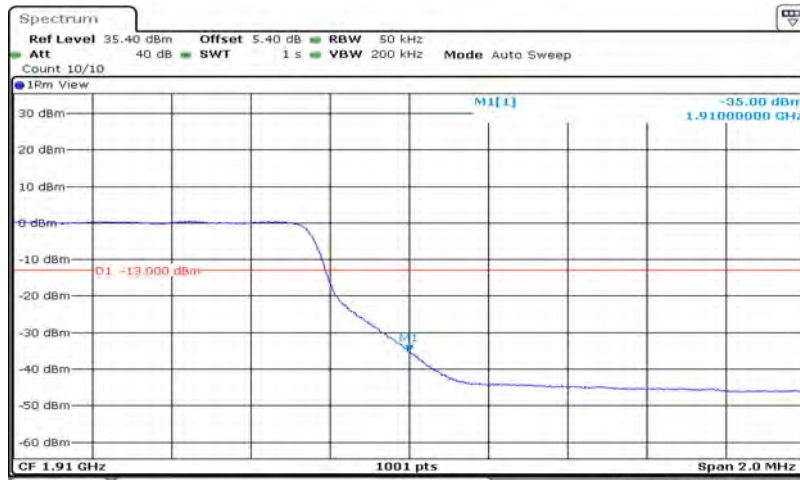


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 MAR 2020 04:11:29

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



Date: 28 MAR 2020 04:11:48

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



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





Date: 27 MAR 2020 06:45:06

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

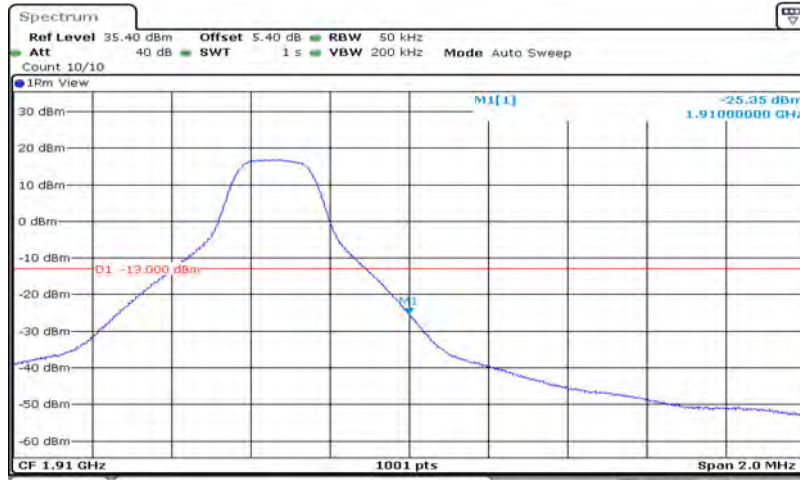


Date: 27 MAR 2020 14:45:22

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



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



Date: 27 MAR 2020 06:46:29

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



Date: 27 MAR 2020 14:46:58

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

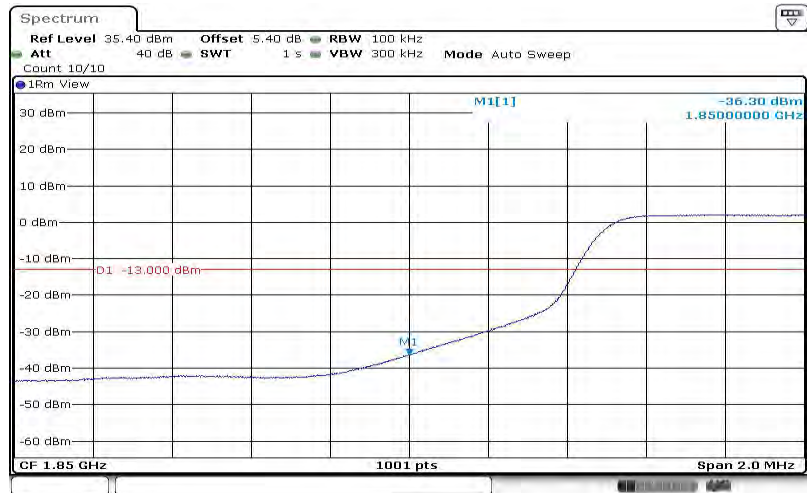


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 06:47:32

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



Date: 27 MAR 2020 14:48:10

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



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



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



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



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



Date: 28 MAR 2020 04:12:14

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



Date: 28 MAR 2020 04:12:34

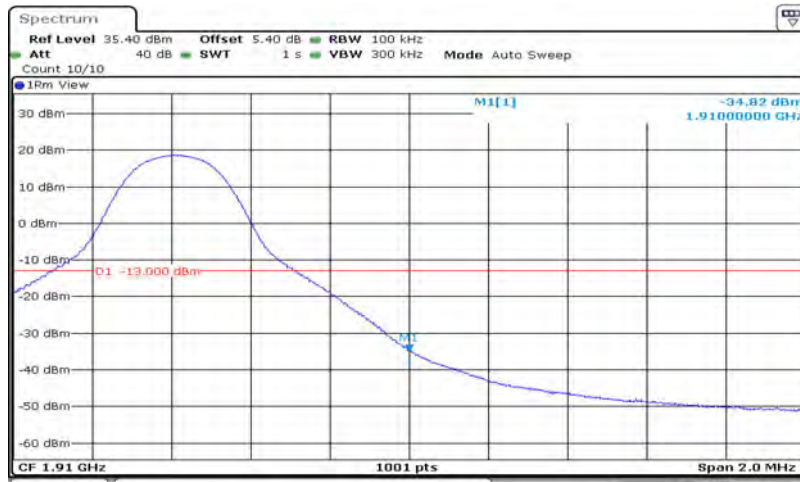
**Band2-10MHz-64QAM-19150-1RB#49**



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

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

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



Date: 28 MAR 2020 04:12:59

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



Date: 28 MAR 2020 04:13:18

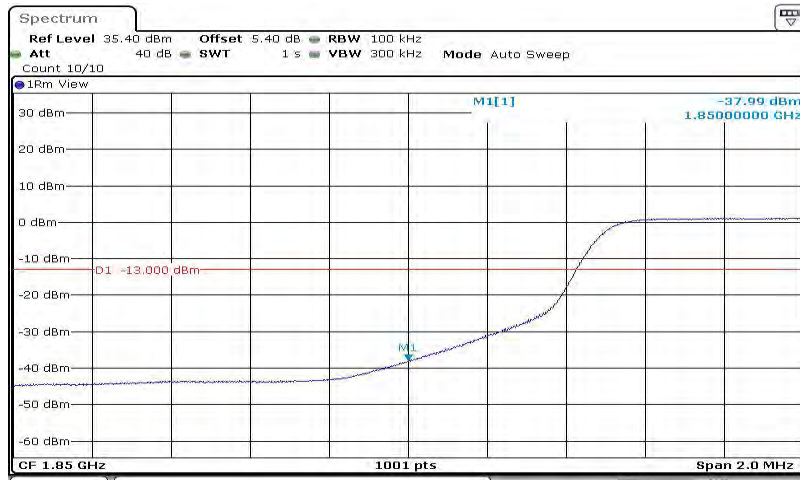
**Band2-10MHz-16QAM-18650-1RB#0**



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



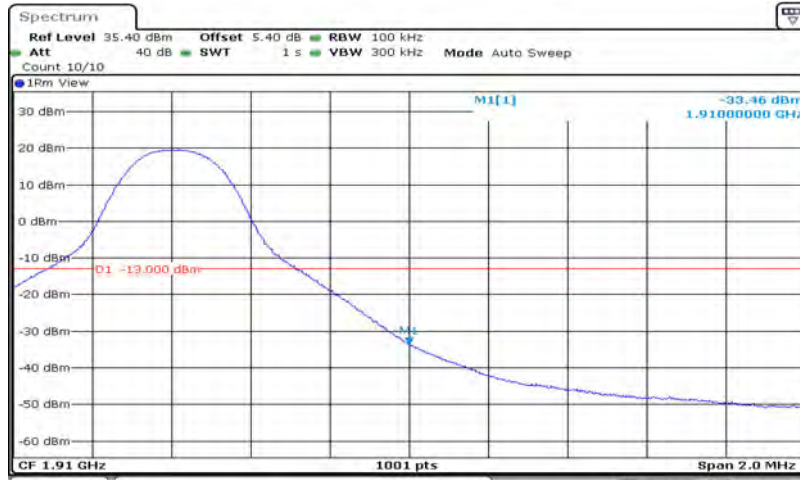
**Band2-10MHz-16QAM-18650-50RB#0**



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



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



Date: 27 MAR 2020 06:49:14

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



Date: 27 MAR 2020 14:50:08

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

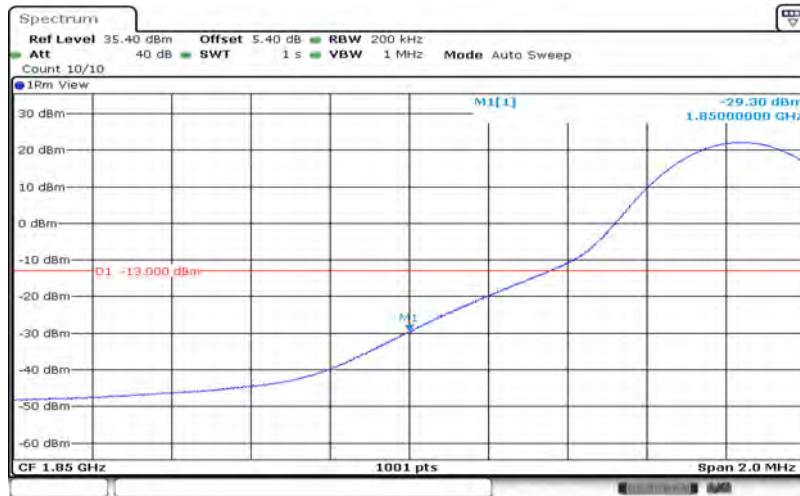


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

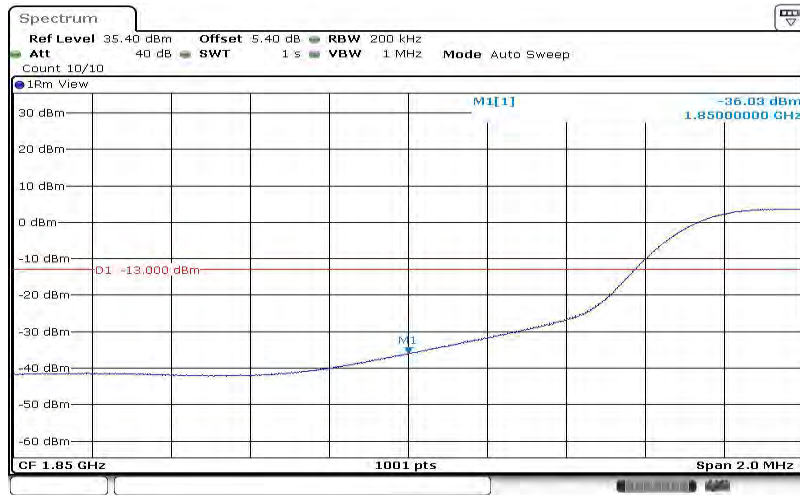
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





Date: 27 MAR 2020 06:50:17

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



Date: 27 MAR 2020 14:51:21

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



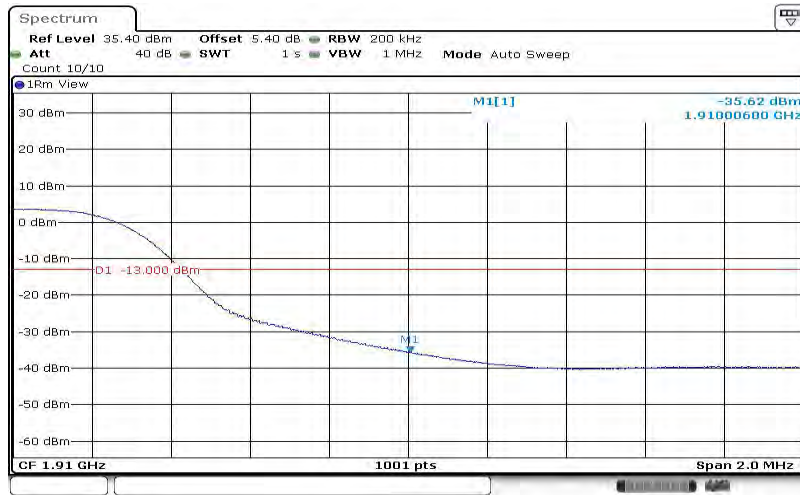
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



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



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



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



Date: 28 MAR 2020 04 13:45

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



Date: 28 MAR 2020 04 14:04

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



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

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

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



Date: 28 MAR 2020 04:14:29

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



Date: 28 MAR 2020 04:14:48

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

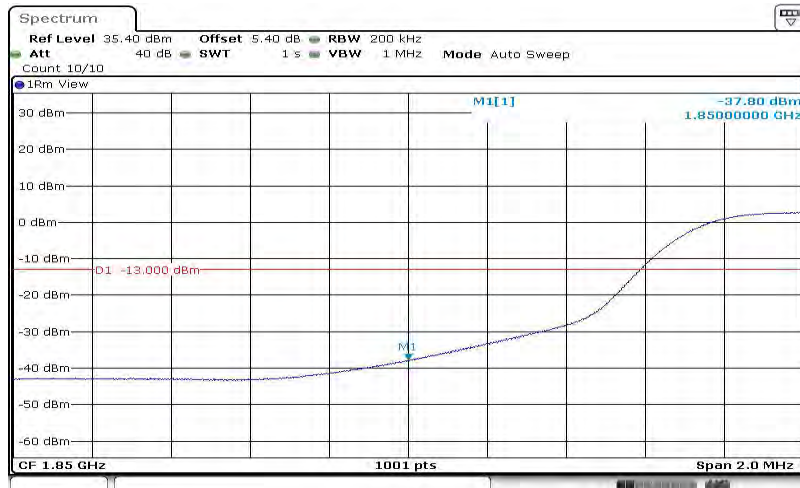


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 06:50:37

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



Date: 27 MAR 2020 14:51:44

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



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

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

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



Date: 27 MAR 2020 06:51:59

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



Date: 27 MAR 2020 14:53:18

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

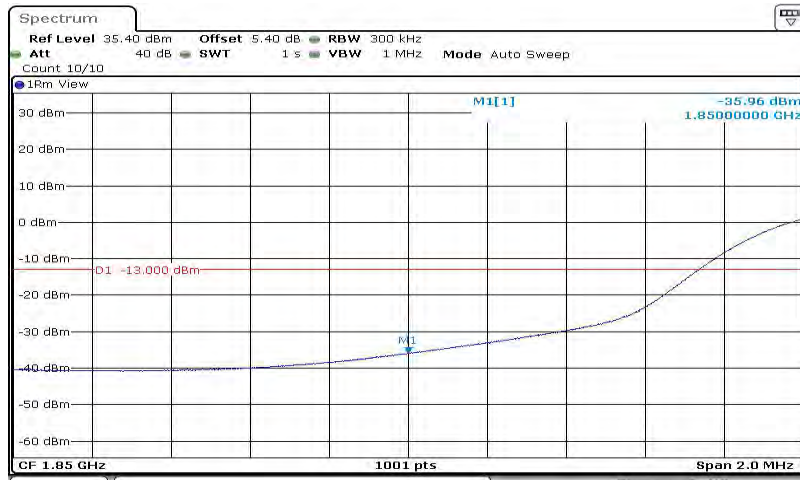


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 06:53:02

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



Date: 27 MAR 2020 14:54:31

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



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



Date: 27 MAR 2020 06:54:24

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



Date: 27 MAR 2020 14:56:05

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



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

SGS-CSTC Standards Technical Services Co., Ltd.  
 Shenzhen Branch / 深圳分公司 / 检验检测专用章  
 Inspection & Testing Services

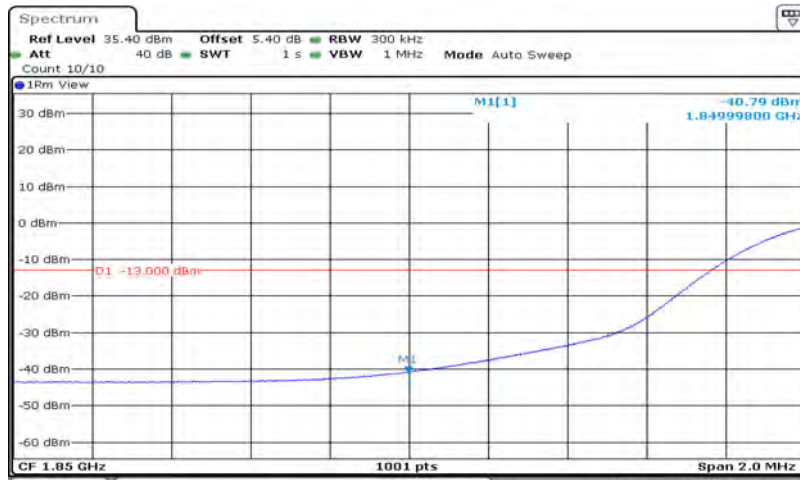
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





Date: 28 MAR 2020 04 15 15

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



Date: 28 MAR 2020 04 15 35

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



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



Date: 28 MAR 2020 04:16:00

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



Date: 28 MAR 2020 04:16:20

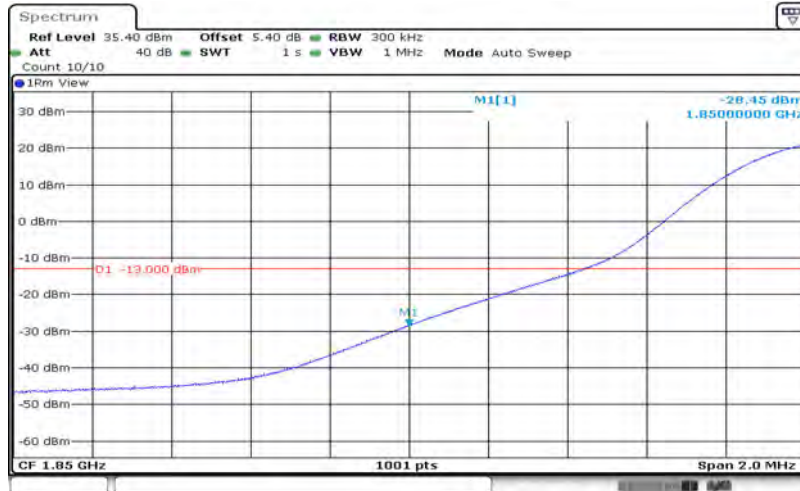
**Band2-20MHz-16QAM-18700-1RB#0**



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

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

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



Date: 27 MAR 2020 06:53:22

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



Date: 27 MAR 2020 14:54:53

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



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

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

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



Date: 27 MAR 2020 06:54:44

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



Date: 27 MAR 2020 14:56:28



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

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

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

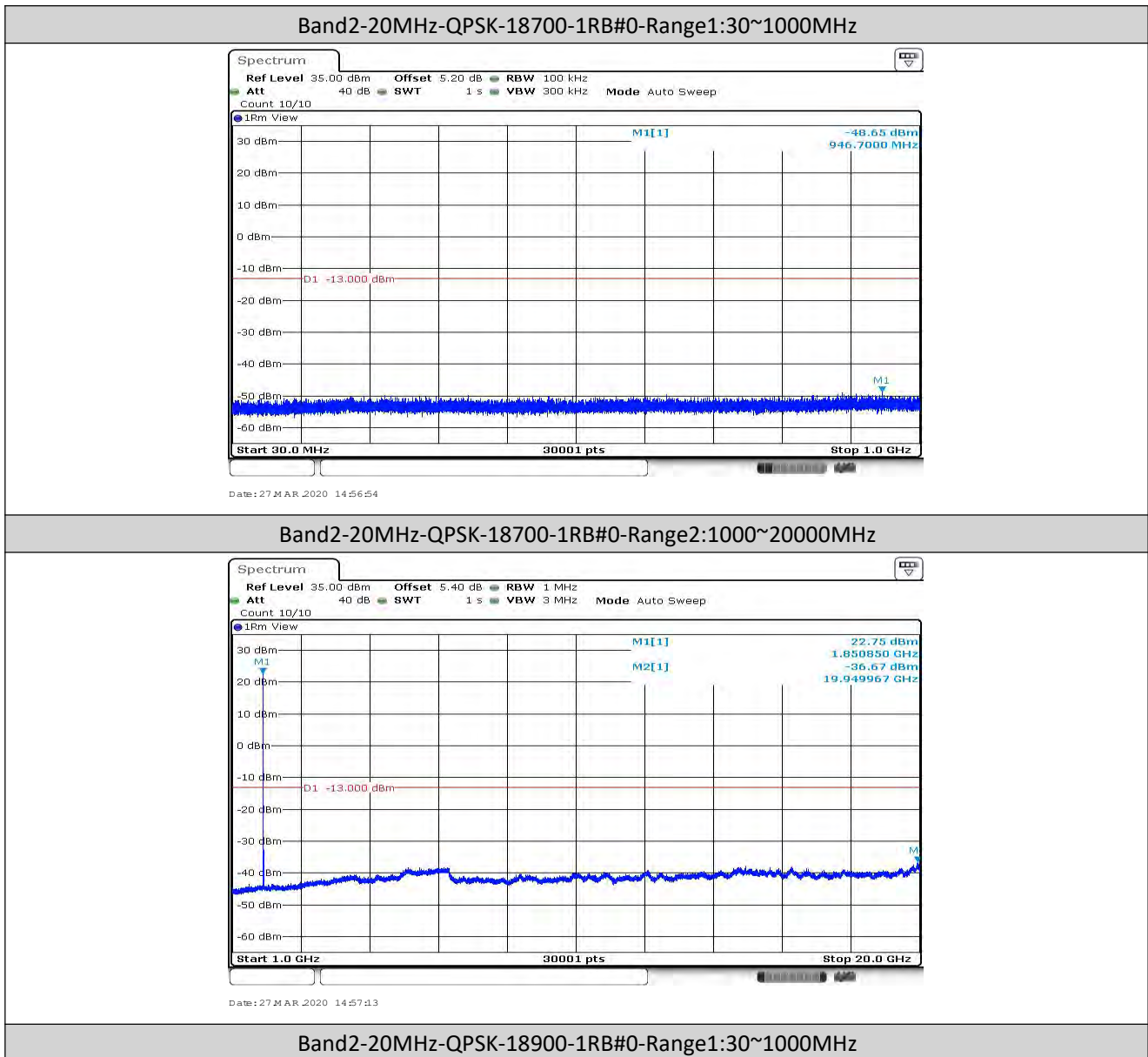


## 6. Spurious Emission at Antenna Terminal

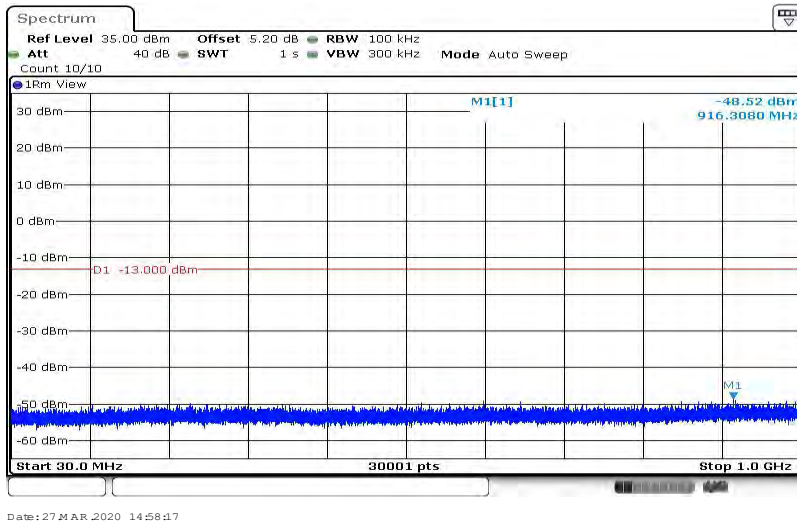
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points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

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

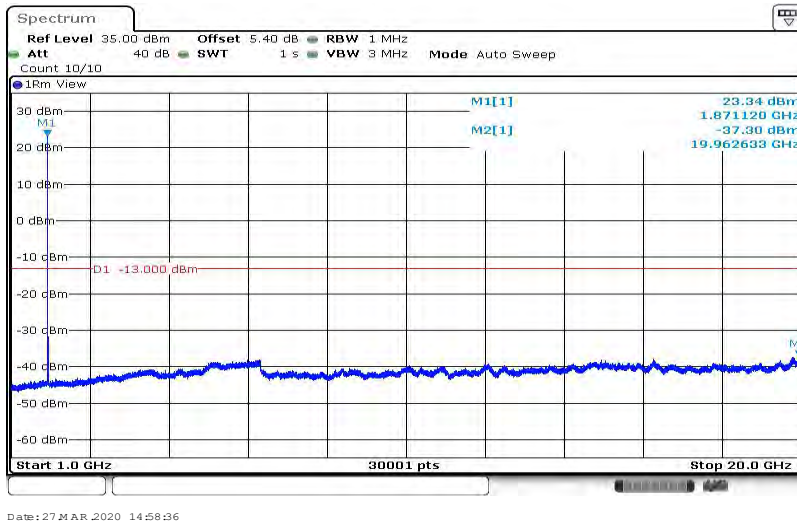
### 6.1. Test Plots



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



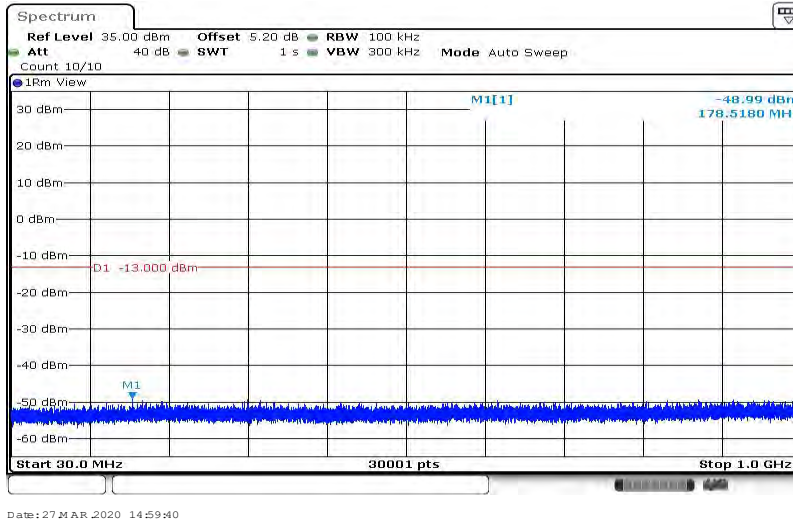
**Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz**



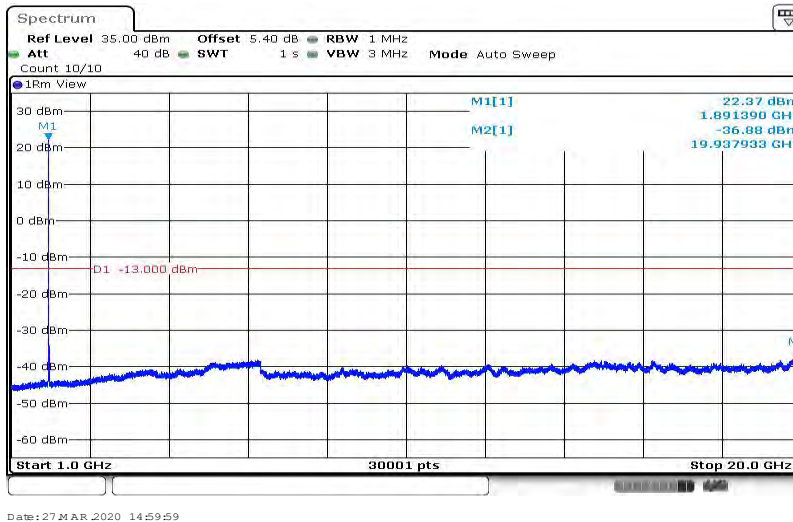
**Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz**



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



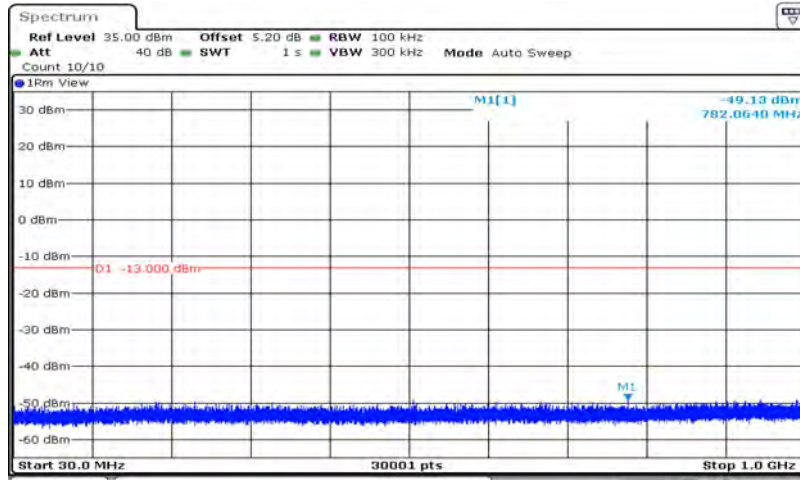
**Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz**



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

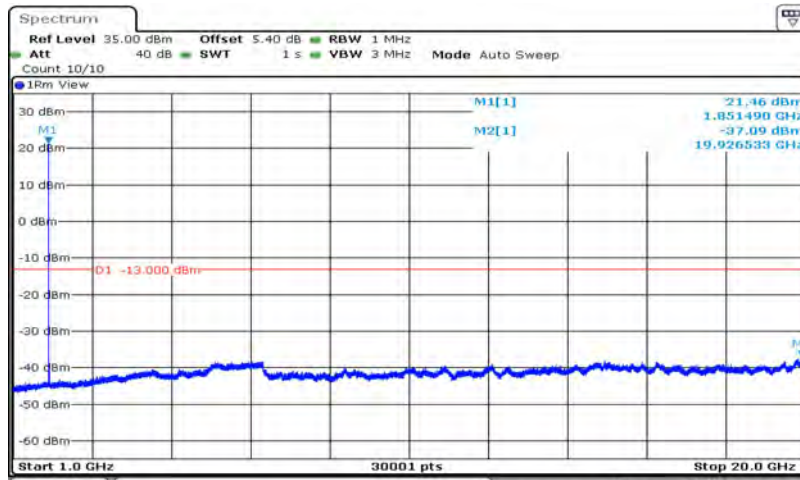


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 MAR 2020 04:16:44

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



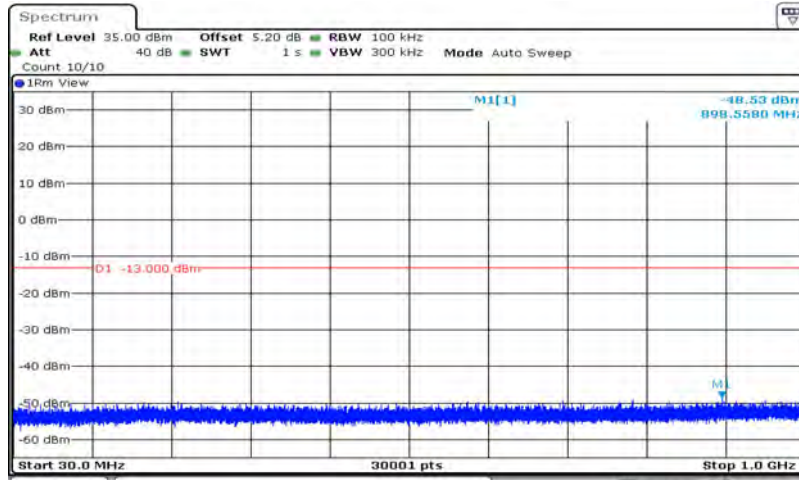
Date: 28 MAR 2020 04:17:00

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

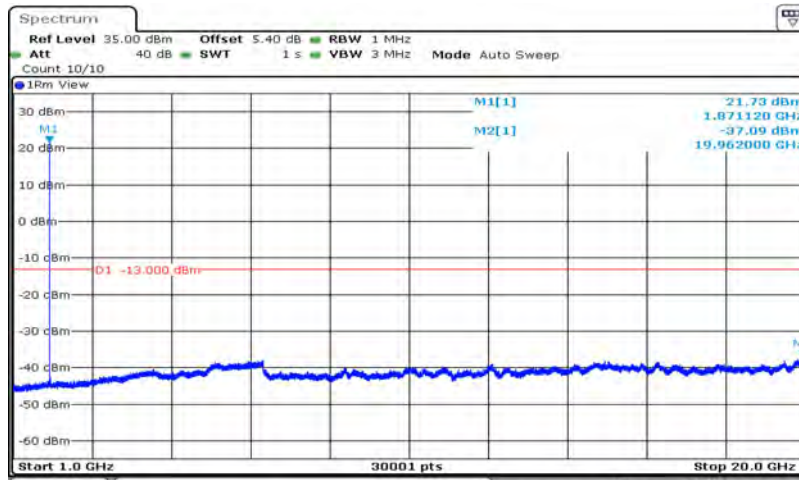


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





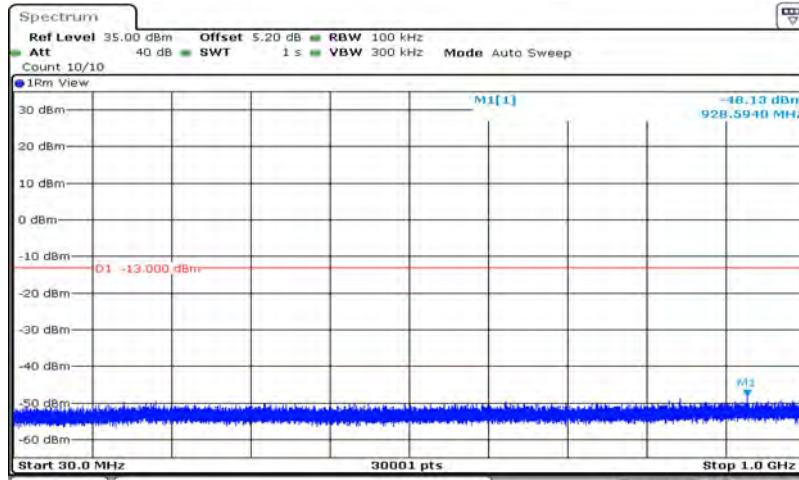
**Band2-20MHz-64QAM-18900-1RB#0-Range2:1000~20000MHz**



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

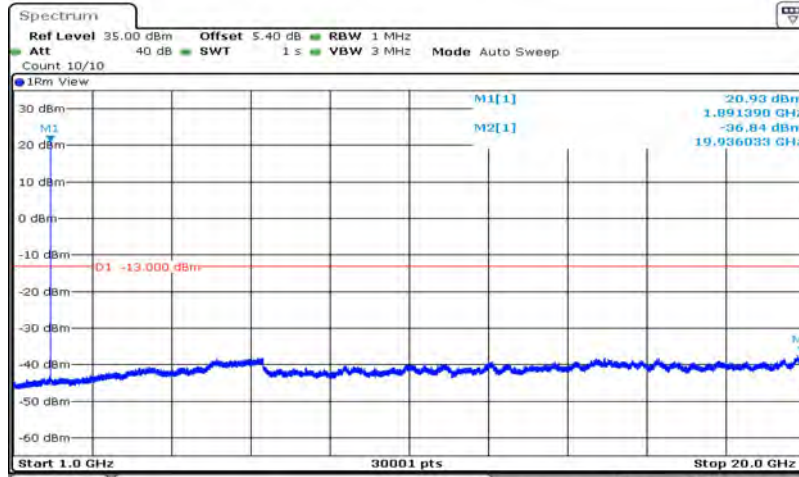


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 28 MAR 2020 04 17 54

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

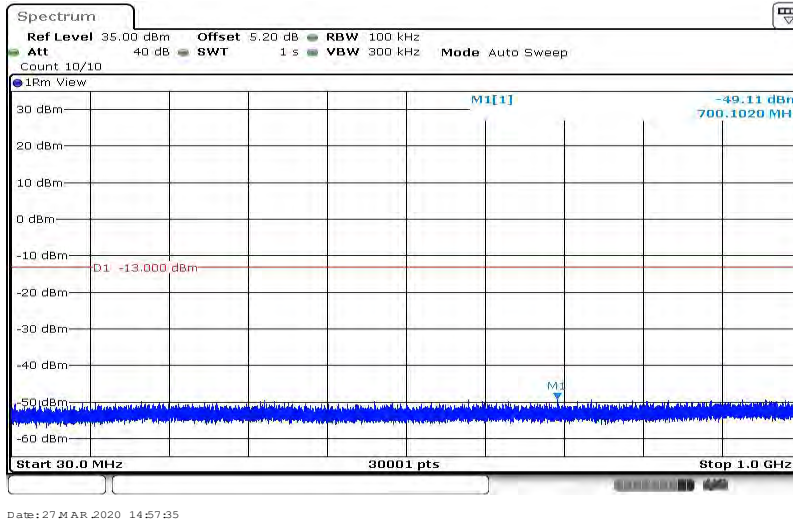


Date: 28 MAR 2020 04 18 11

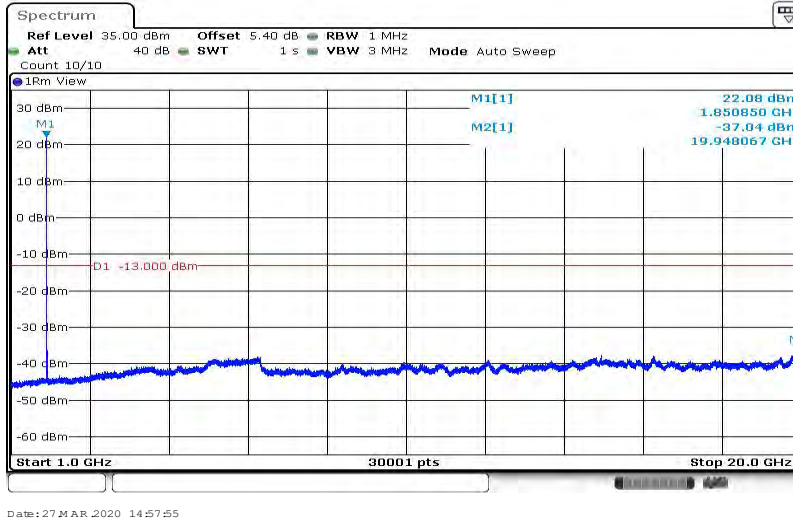
**Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz**



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



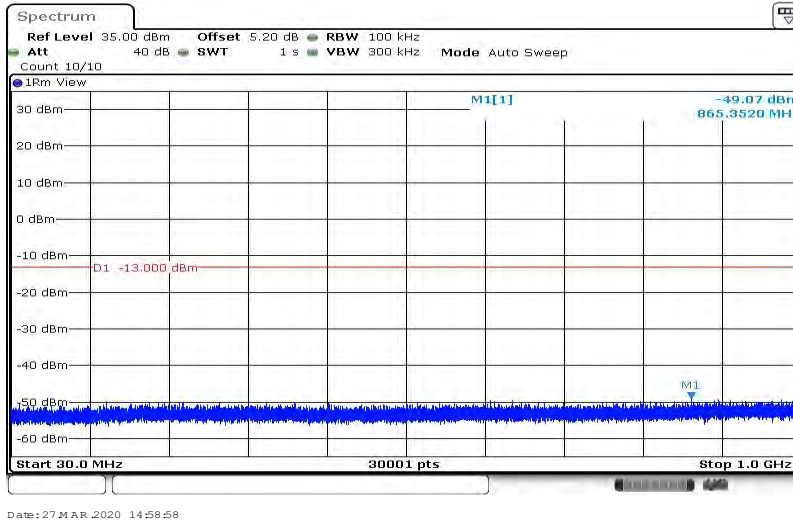
**Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz**



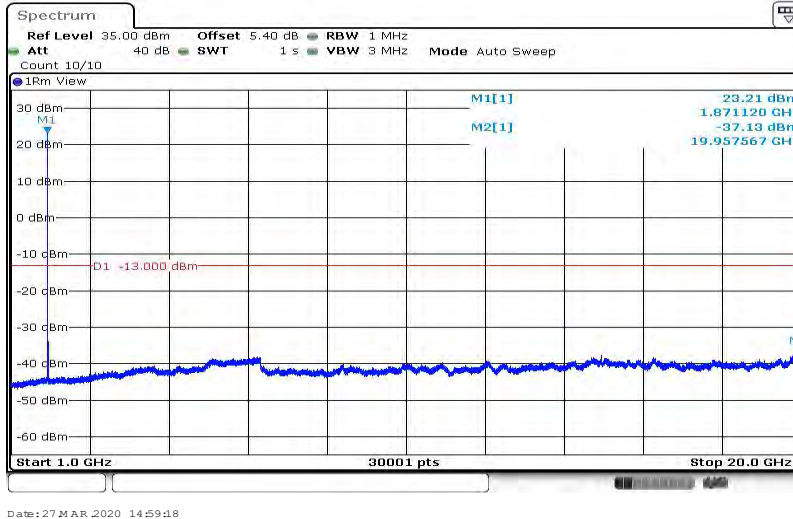
**Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz**



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



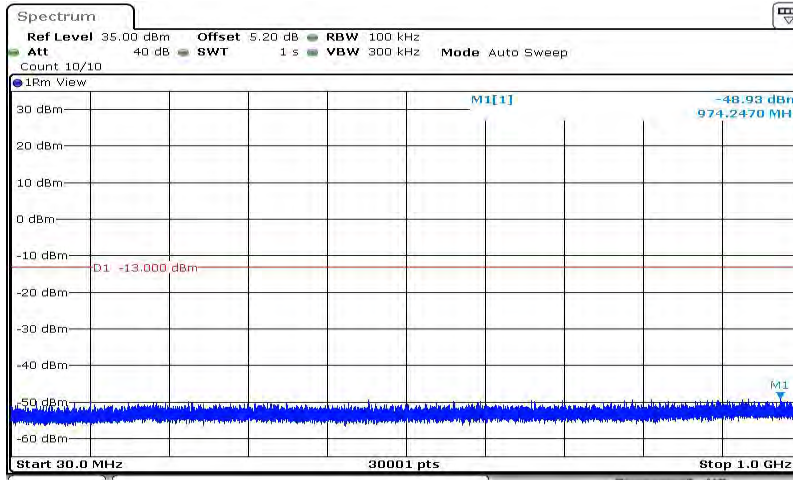
**Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz**



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

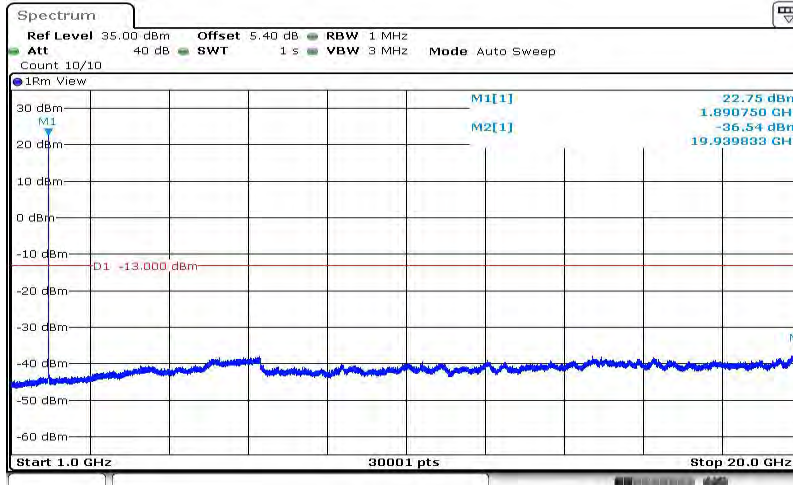


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 27 MAR 2020 15:00:21

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



Date: 27 MAR 2020 15:00:41



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](mailto:CN.Doccheck@sgs.com)



## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 (Down Ant)

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
115.1703	-65.21	-13.00	52.21	Vertical
597.6239	-64.59	-13.00	51.59	Vertical
2698.7397	-37.48	-13.00	24.48	Vertical
7461.1487	-54.84	-13.00	41.84	Vertical
14470.3823	-46.84	-13.00	33.84	Vertical
17997.4999	-38.69	-13.00	25.69	Vertical
44.3082	-64.02	-13.00	51.02	Horizontal
227.3079	-64.41	-13.00	51.41	Horizontal
2702.3405	-36.25	-13.00	23.25	Horizontal
7323.1441	-55.38	-13.00	42.38	Horizontal
16398.4466	-42.73	-13.00	29.73	Horizontal
17997.9999	-43.33	-13.00	30.33	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.0961	-64.56	-13.00	51.56	Vertical
713.7387	-63.35	-13.00	50.35	Vertical
2590.7181	-33.76	-13.00	20.76	Vertical
7226.6409	-56.38	-13.00	43.38	Vertical
14693.8898	-46.63	-13.00	33.63	Vertical
17995.4999	-38.97	-13.00	25.97	Vertical
41.2526	-64.12	-13.00	51.12	Horizontal
231.3821	-65.96	-13.00	52.96	Horizontal
2593.9188	-32.97	-13.00	19.97	Horizontal
7476.6492	-55.28	-13.00	42.28	Horizontal
16382.9461	-42.88	-13.00	29.88	Horizontal
17998.5000	-43.77	-13.00	30.77	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.



### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.9991	-64.21	-13.00	51.21	Vertical
606.6938	-64.17	-13.00	51.17	Vertical
2702.7405	-37.61	-13.00	24.61	Vertical
7986.1662	-54.60	-13.00	41.60	Vertical
14480.8827	-46.37	-13.00	33.37	Vertical
17992.9998	-38.93	-13.00	25.93	Vertical
43.8717	-63.50	-13.00	50.50	Horizontal
577.7379	-64.67	-13.00	51.67	Horizontal
2583.1166	-35.79	-13.00	22.79	Horizontal
7342.1447	-55.88	-13.00	42.88	Horizontal
16392.4464	-42.84	-13.00	29.84	Horizontal
17997.9999	-43.53	-13.00	30.53	Horizontal

## 7.2. Test Mode =LTE/TM1 (Up Ant)

### 7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
69.3355	-68.10	-13.00	55.10	Vertical
110.1745	-65.34	-13.00	52.34	Vertical
463.1267	-66.34	-13.00	53.34	Vertical
2704.3409	-37.45	-13.00	24.45	Vertical
7370.6457	-54.49	-13.00	41.49	Vertical
17991.9997	-39.42	-13.00	26.42	Vertical
44.9387	-64.33	-13.00	51.33	Horizontal
239.9185	-67.17	-13.00	54.17	Horizontal
675.9553	-63.26	-13.00	50.26	Horizontal
2694.3389	-36.03	-13.00	23.03	Horizontal
7347.1449	-55.64	-13.00	42.64	Horizontal
16394.4465	-42.69	-13.00	29.69	Horizontal

### 7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
80.0545	-67.55	-13.00	54.55	Vertical
117.7409	-65.23	-13.00	52.23	Vertical
752.0071	-62.13	-13.00	49.13	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](mailto:CN.Doccheck@sgs.com)



2701.5403	-37.48	-13.00	24.48	Vertical
7344.6448	-55.06	-13.00	42.06	Vertical
17999.5000	-39.22	-13.00	26.22	Vertical
43.5322	-64.82	-13.00	51.82	Horizontal
249.8615	-68.27	-13.00	55.27	Horizontal
712.2351	-63.80	-13.00	50.80	Horizontal
2695.1390	-36.28	-13.00	23.28	Horizontal
7356.6452	-55.31	-13.00	42.31	Horizontal
16397.9466	-43.20	-13.00	30.20	Horizontal

### 7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
115.9463	-65.18	-13.00	52.18	Vertical
221.5361	-72.47	-13.00	59.47	Vertical
762.9201	-62.95	-13.00	49.95	Vertical
2689.1378	-37.38	-13.00	24.38	Vertical
11337.2779	-50.58	-13.00	37.58	Vertical
17996.9999	-39.14	-13.00	26.14	Vertical
41.2041	-64.32	-13.00	51.32	Horizontal
245.6418	-68.34	-13.00	55.34	Horizontal
846.1988	-61.38	-13.00	48.38	Horizontal
2702.7405	-36.23	-13.00	23.23	Horizontal
7363.6455	-55.18	-13.00	42.18	Horizontal
16391.4464	-43.10	-13.00	30.10	Horizontal

**Remark:**

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



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

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





## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	6.40	0.003441	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-8.80	-0.004731	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	1.50	0.000806	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	2.70	0.001436	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-0.20	-0.000105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-4.00	-0.002105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-1.00	-0.000526	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VL	NT	-7.60	-0.004086	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VN	NT	1.50	0.000806	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	VH	NT	1.10	0.000591	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	VL	NT	5.90	0.003138	±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	-7.10	-0.003777	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VL	NT	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VN	NT	-0.30	-0.000158	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	VH	NT	-8.00	-0.004211	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-1.90	-0.001022	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	2.50	0.001344	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.70	0.000914	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-1.20	-0.000638	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	5.70	0.003032	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-5.20	-0.002766	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	1.90	0.001000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-7.00	-0.003684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-6.10	-0.003211	±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](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



## 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	3.80	0.002043	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	1.90	0.001022	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	0.70	0.000376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-7.10	-0.003817	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-9.70	-0.005215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	5.80	0.003118	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	1.70	0.000914	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-6.30	-0.003351	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-4.40	-0.002340	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	3.40	0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	1.90	0.001011	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-9.10	-0.004840	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-1.70	-0.000895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-4.80	-0.002526	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-6.00	-0.003158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.90	-0.005211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-8.40	-0.004421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	1.30	0.000684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-0.90	-0.000474	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-30	3.00	0.001613	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-20	-3.20	-0.001720	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	0	-2.60	-0.001398	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	10	-2.80	-0.001505	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	20	-5.50	-0.002957	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	30	2.60	0.001398	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	40	-7.40	-0.003978	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	50	6.40	0.003441	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-30	-6.60	-0.003511	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-20	-5.70	-0.003032	±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](mailto:CN.Doccheck@sgs.com)

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



Band2	20MHz	64QAM	18900	100RB#0	NV	0	-1.40	-0.000745	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	10	-11.00	-0.005851	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	20	4.20	0.002234	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	30	4.40	0.002340	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	40	-7.60	-0.004043	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	50	-4.40	-0.002340	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-30	-7.80	-0.004105	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-20	-7.50	-0.003947	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	0	-5.90	-0.003105	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	10	0.10	0.000053	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	20	-3.80	-0.002000	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	30	-10.00	-0.005263	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	40	-11.10	-0.005842	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	50	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	1.60	0.000860	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-3.40	-0.001828	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-7.20	-0.003871	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.10	0.000591	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	1.90	0.001022	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	3.10	0.001667	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	0.20	0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	2.80	0.001505	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-1.80	-0.000957	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-1.60	-0.000851	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	0.40	0.000213	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	3.90	0.002074	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	2.60	0.001368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-5.00	-0.002632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-9.30	-0.004895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-2.00	-0.001053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-3.40	-0.001789	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-4.90	-0.002579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-8.30	-0.004368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-6.50	-0.003421	±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](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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