



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



**CONTENT**

1 EFFECTIVE (ISOTROPIC) RADIATED POWER.....3

1.1. TEST RESULT.....3

2. PEAK-TO-AVERAGE RATIO (CCDF).....11

2.1. TEST RESULT.....11

2.2. TEST PLOTS.....11

3. MODULATION CHARACTERISTICS.....15

3.1. TEST MODE = LTE /TM1 20MHZ.....15

3.1.1. TEST CHANNEL = MCH.....15

3.2. TEST MODE = LTE /TM2 20MHZ.....16

3.2.1. TEST CHANNEL = MCH.....16

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....17

4.1. TEST RESULT.....17

4.2. TEST PLOTS.....18

5. BAND EDGE COMPLIANCE.....36

5.1. TEST PLOTS.....36

6. SPURIOUS EMISSION AT ANTENNA TERMINAL.....60

6.1. TEST PLOTS.....60

7. FIELD STRENGTH OF SPURIOUS RADIATION.....66

7.1. TEST MODE =LTE/TM1 20MHZ.....66

7.1.1. TEST CHANNEL = LCH.....66

7.1.2. TEST CHANNEL = MCH.....66

7.1.3. TEST CHANNEL = HCH.....67

8. FREQUENCY STABILITY.....68

8.1. FREQUENCY VS VOLTAGE.....68



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



# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#2	23.67	23.67	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.76	23.76	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	23.69	23.69	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.83	23.83	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	<b>23.89</b>	23.89	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.83	23.83	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.89	22.89	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.69	23.69	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.77	23.77	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.73	23.73	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.87	23.87	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.76	23.76	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.81	23.81	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.88	22.88	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.68	23.68	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.76	23.76	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.7	23.7	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.86	23.86	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.85	23.85	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.75	23.75	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.89	22.89	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.2	23.2	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.21	23.21	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.19	23.19	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.9	22.9	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.9	22.9	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.8	22.8	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](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	1.4MHz	16QAM	18607	6RB#0	21.88	21.88	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.24	23.24	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.1	23.1	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.24	23.24	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.79	22.79	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.71	22.71	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.72	22.72	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.83	21.83	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.83	22.83	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.97	22.97	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.45	22.45	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.65	22.65	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.78	22.78	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.69	22.69	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.96	21.96	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.79	23.79	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	<b>23.87</b>	23.87	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.72	23.72	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.78	22.78	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.77	22.77	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.89	22.89	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.71	22.71	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.59	23.59	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.68	23.68	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.7	23.7	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.84	22.84	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.73	22.73	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.71	22.71	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.77	22.77	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.56	23.56	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.84	23.84	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.76	23.76	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.78	22.78	33.00	PASS



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

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





Band2	3MHz	QPSK	19185	8RB#4	22.69	22.69	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.71	22.71	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.83	22.83	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.97	22.97	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.85	22.85	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.93	22.93	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.85	21.85	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.98	21.98	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.86	21.86	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.83	21.83	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	23	23	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.09	23.09	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.16	23.16	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.77	21.77	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.75	21.75	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.8	21.8	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.79	21.79	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.53	22.53	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	23	23	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.96	22.96	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.76	21.76	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.81	21.81	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.76	21.76	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.68	21.68	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.61	23.61	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	<b>23.81</b>	23.81	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.68	23.68	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.86	22.86	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.88	22.88	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.89	22.89	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.92	22.92	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.65	23.65	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.8	23.8	33.00	PASS



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

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



Band2	5MHz	QPSK	18900	1RB#12	23.75	23.75	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.72	22.72	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.92	22.92	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.71	22.71	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.83	22.83	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.66	23.66	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.8	23.8	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.51	23.51	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.71	22.71	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.84	22.84	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.71	22.71	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.77	22.77	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.14	23.14	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.38	23.38	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.08	23.08	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.86	21.86	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.82	21.82	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.87	21.87	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.93	21.93	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.58	22.58	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.73	22.73	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.82	22.82	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.74	21.74	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.84	21.84	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.81	21.81	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.82	21.82	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.98	22.98	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.99	22.99	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.76	22.76	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.77	21.77	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.71	21.71	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.69	21.69	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.68	21.68	33.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](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	10MHz	QPSK	18650	1RB#0	23.84	23.84	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.85	23.85	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.74	23.74	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.95	22.95	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.85	22.85	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.86	22.86	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.95	22.95	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.8	23.8	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.76	23.76	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.77	23.77	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.83	22.83	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.89	22.89	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.95	22.95	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.98	22.98	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.71	23.71	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	<b>23.95</b>	23.95	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.69	23.69	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.92	22.92	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.8	22.8	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.7	22.7	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.85	22.85	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	23	23	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.1	23.1	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.04	23.04	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.88	21.88	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.8	21.8	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.82	21.82	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.9	21.9	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	23.27	23.27	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.29	23.29	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	23.04	23.04	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.89	21.89	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.98	21.98	33.00	PASS



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

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

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

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





Band2	10MHz	16QAM	18900	25RB#25	21.94	21.94	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.83	21.83	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.68	22.68	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.93	22.93	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.81	22.81	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.94	21.94	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.72	21.72	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.68	21.68	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.86	21.86	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.77	23.77	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	<b>23.84</b>	23.84	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.62	23.62	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.9	22.9	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.96	22.96	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.88	22.88	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.94	22.94	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.74	23.74	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.79	23.79	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.63	23.63	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.91	22.91	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.9	22.9	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.8	22.8	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.95	22.95	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.71	23.71	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.71	23.71	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.74	23.74	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.85	22.85	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.99	22.99	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.8	22.8	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.9	22.9	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.18	23.18	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.75	22.75	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.51	22.51	33.00	PASS



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

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

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

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





Band2	15MHz	16QAM	18675	36RB#0	21.85	21.85	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.89	21.89	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.82	21.82	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.85	21.85	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.12	23.12	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	23.31	23.31	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.95	22.95	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.87	21.87	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.86	21.86	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.91	21.91	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.85	21.85	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.84	22.84	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.58	22.58	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.74	22.74	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.81	21.81	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.8	21.8	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.73	21.73	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.83	21.83	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.69	23.69	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.94	23.94	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.5	23.5	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.87	22.87	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	23	23	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.88	22.88	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.98	22.98	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.61	23.61	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.85	23.85	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.49	23.49	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.99	22.99	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	<b>23.08</b>	23.08	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.9	22.9	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.91	22.91	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.57	23.57	33.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](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	QPSK	19100	1RB#0	<b>23.97</b>	23.97	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.36	23.36	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.77	22.77	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.95	22.95	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.77	22.77	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.74	22.74	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.63	22.63	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.04	23.04	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.53	22.53	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.91	21.91	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.98	21.98	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.94	21.94	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.87	21.87	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.67	22.67	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.06	23.06	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.85	22.85	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.90	21.9	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.88	21.88	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.85	21.85	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.76	21.76	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.03	23.03	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.04	23.04	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.85	22.85	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.96	21.96	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.89	21.89	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.68	21.68	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.82	21.82	33.00	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-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.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

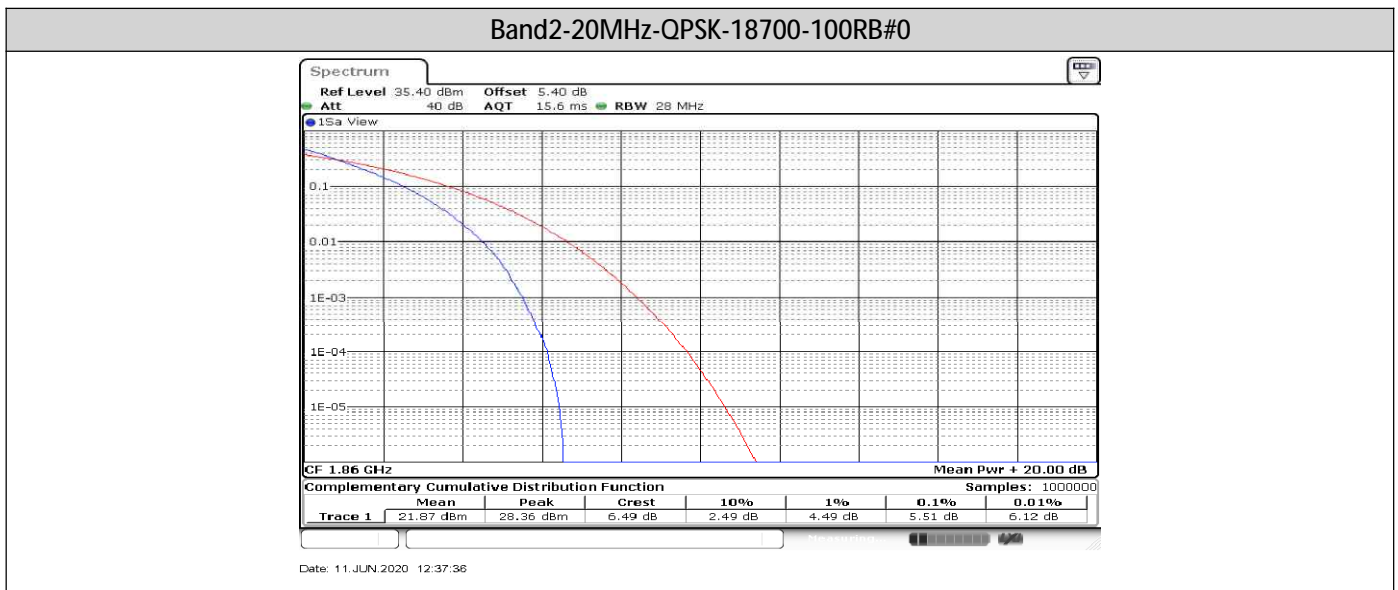


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.51	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.59	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.30	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.29	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.35	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.09	13	PASS

### 2.2. Test Plots



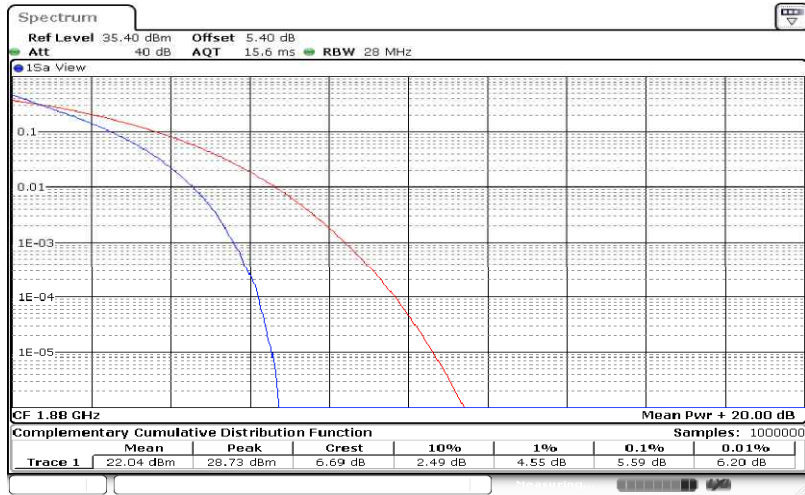
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





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



Date: 11 JUN 2020 12:37:59

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



Date: 11 JUN 2020 12:38:21

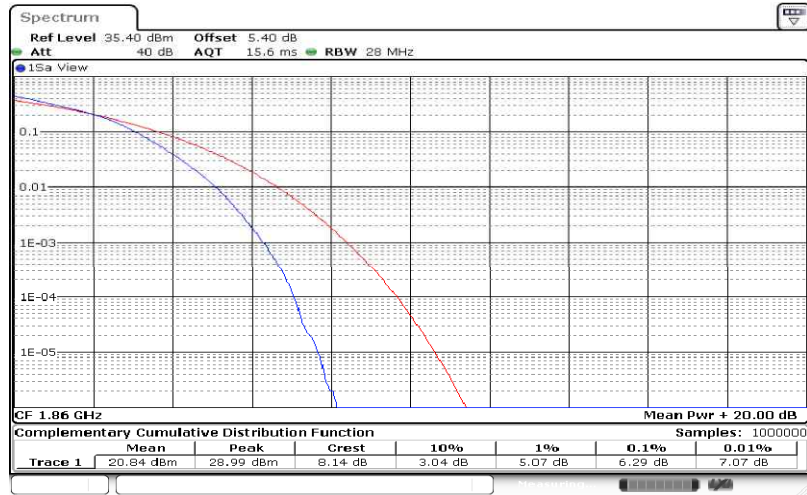


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



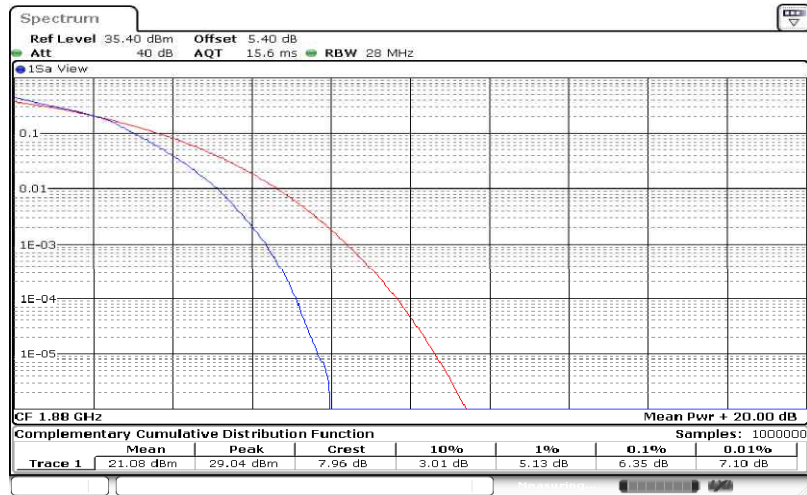


Band2-20MHz-16QAM-18700-100RB#0



Date: 11 JUN 2020 12:37:47

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



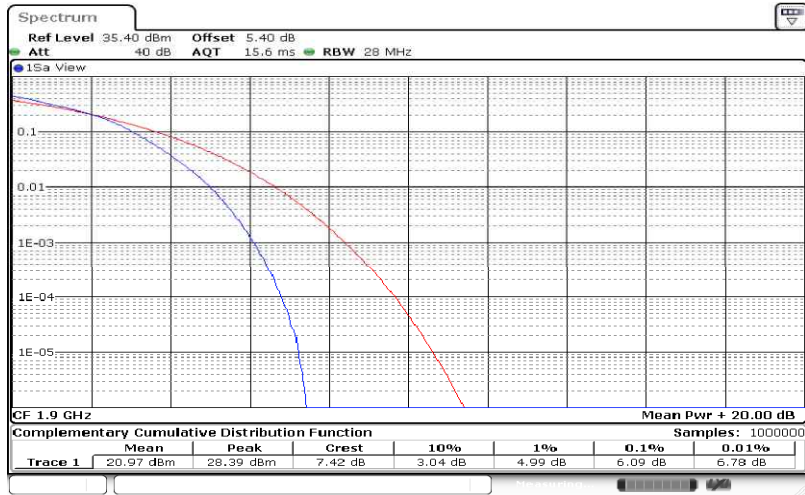
Date: 11 JUN 2020 12:38:10



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



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



Date: 11 JUN 2020 12:38:33



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

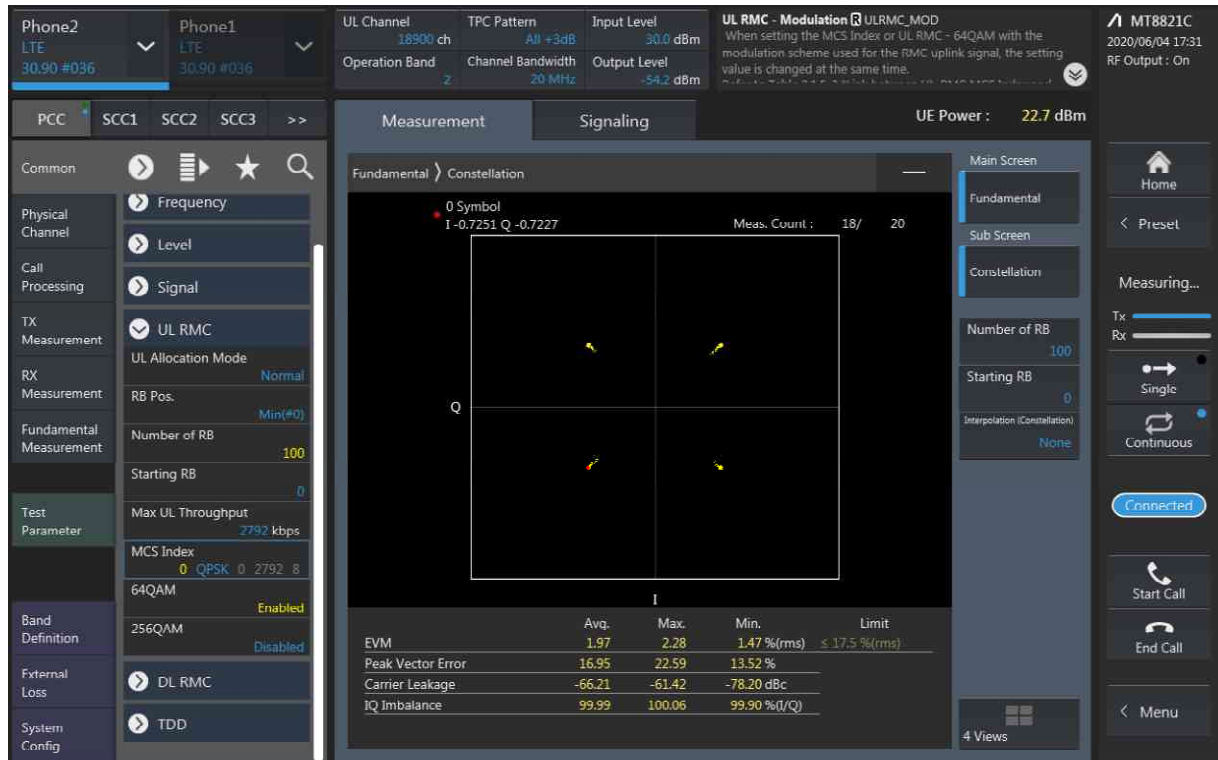
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH



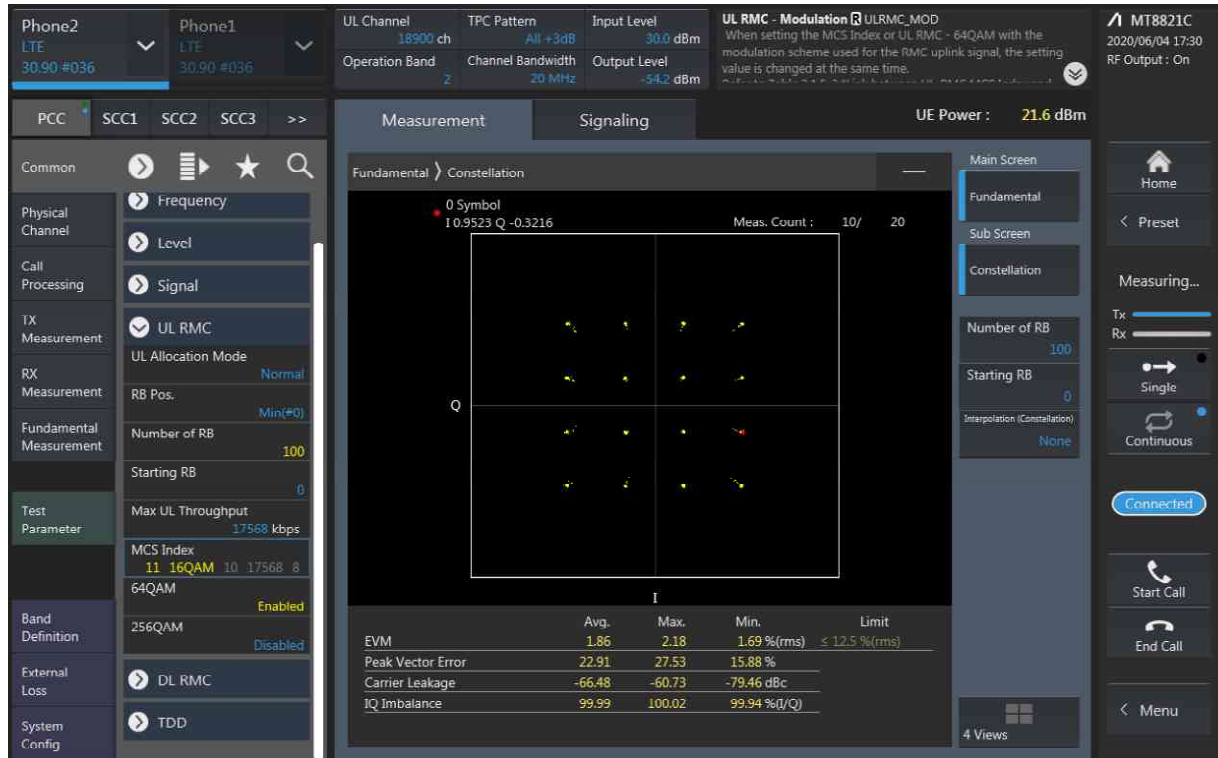
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



### 3.2. Test Mode = LTE /TM2 20MHz

#### 3.2.1. Test Channel = MCH



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





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.281	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.281	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.284	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.916	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.922	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.922	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.898	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.904	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.860	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.840	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.840	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.870	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.740	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.850	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.620	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.620	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.620	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.971	9.480	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.911	9.620	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.600	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.487	15.780	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	14.670	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.487	15.540	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.487	15.060	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.487	14.760	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	15.720	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	20.680	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.

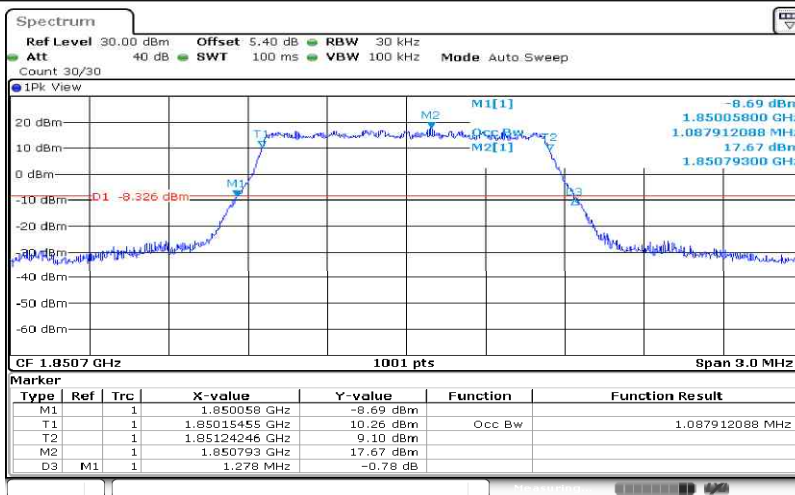
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



Band2	20MHz	QPSK	18900	100RB#0	18.062	19.200	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.280	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.902	20.040	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.942	19.360	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.902	19.280	PASS

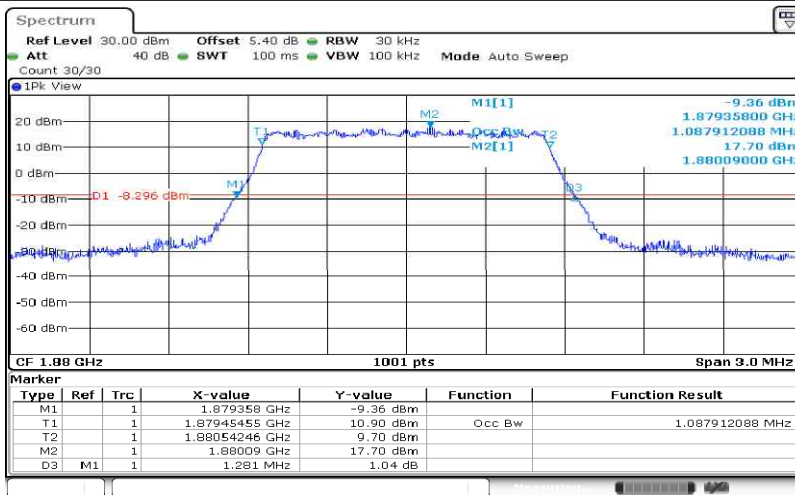
## 4.2. Test Plots

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



Date: 11 JUN 2020 11:58:57

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



Date: 11 JUN 2020 11:59:23



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

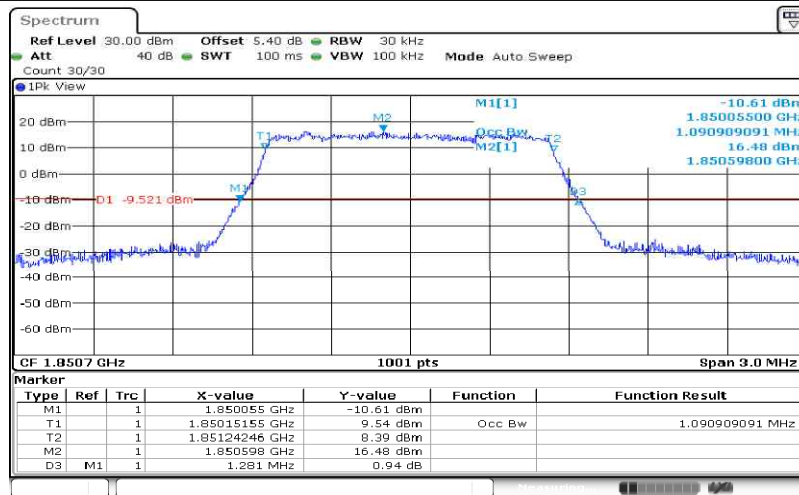


Band2-1.4MHz-QPSK-19193-6RB#0-1.091



Date: 11 JUN 2020 11:59:49

Band2-1.4MHz-16QAM-18607-6RB#0-1.091



Date: 11 JUN 2020 11:59:10

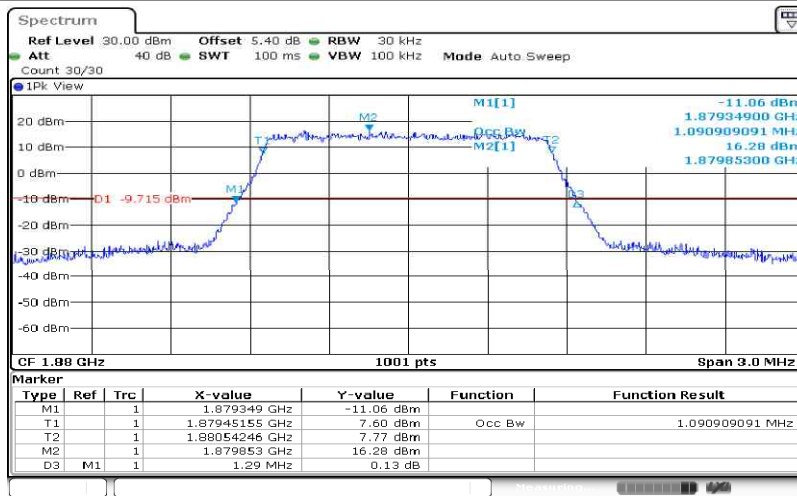


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](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-16QAM-18900-6RB#0-1.091



Date: 11 JUN 2020 11:59:36

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



Date: 11 JUN 2020 12:00:02



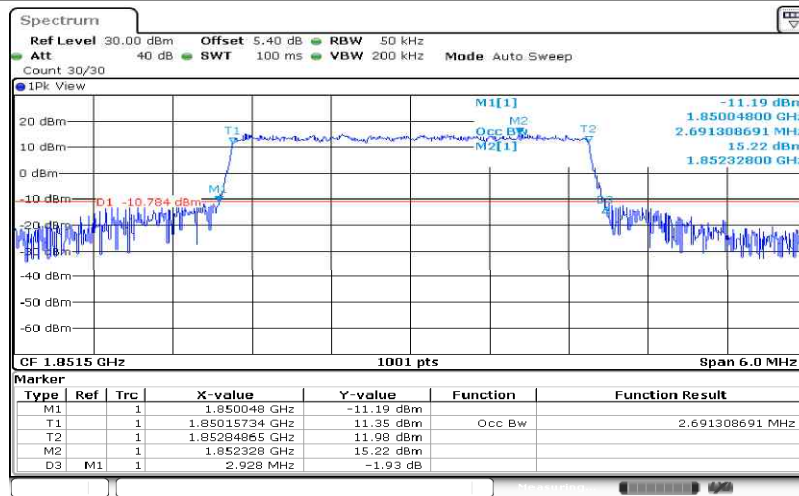
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



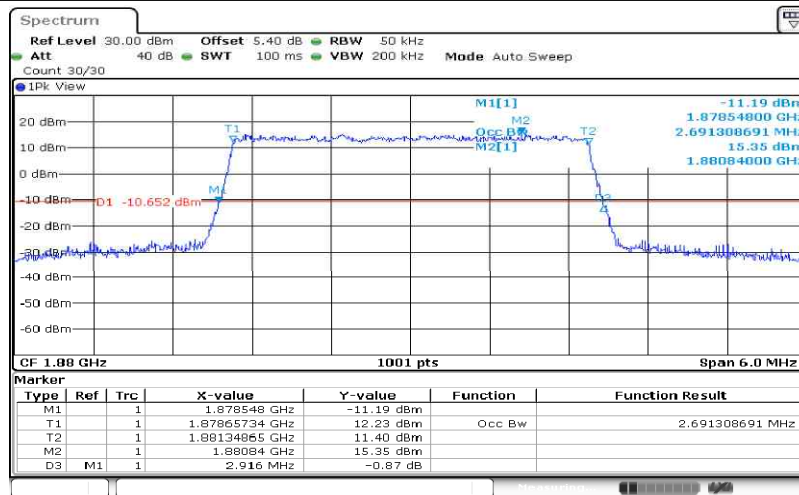


**Band2-3MHz-QPSK-18615-15RB#0-2.691**



Date: 11 JUN 2020 12:00:20

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



Date: 11 JUN 2020 12:00:46

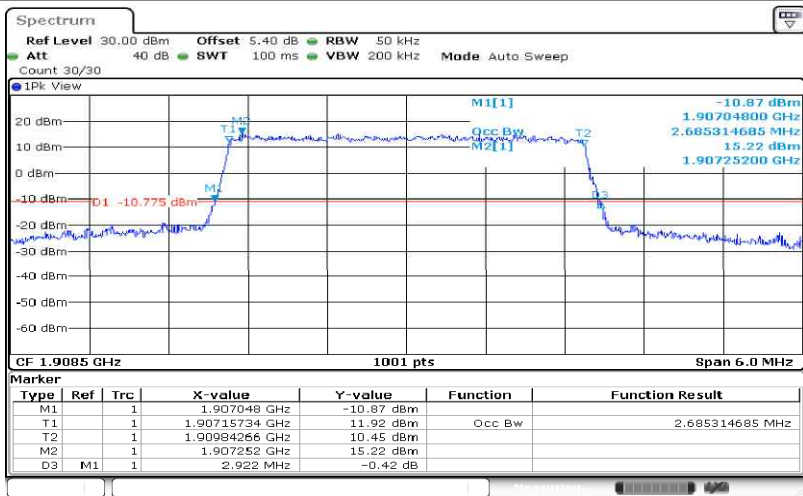


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

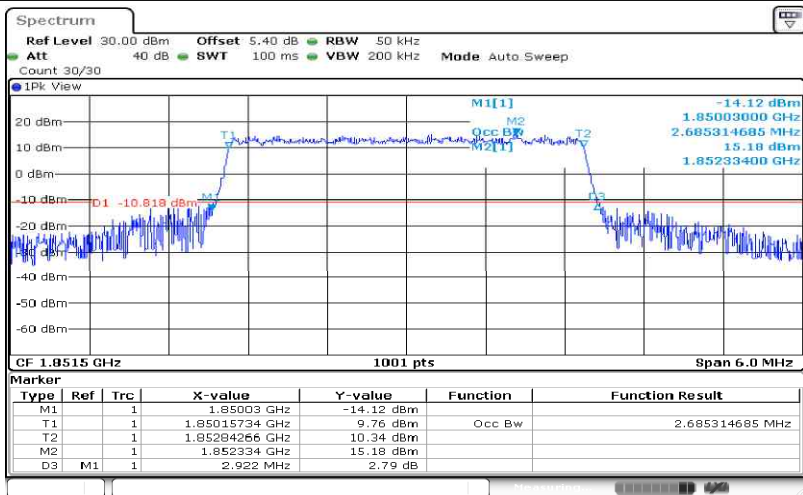


Band2-3MHz-QPSK-19185-15RB#0-2.685



Date: 11 JUN 2020 12:01:12

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



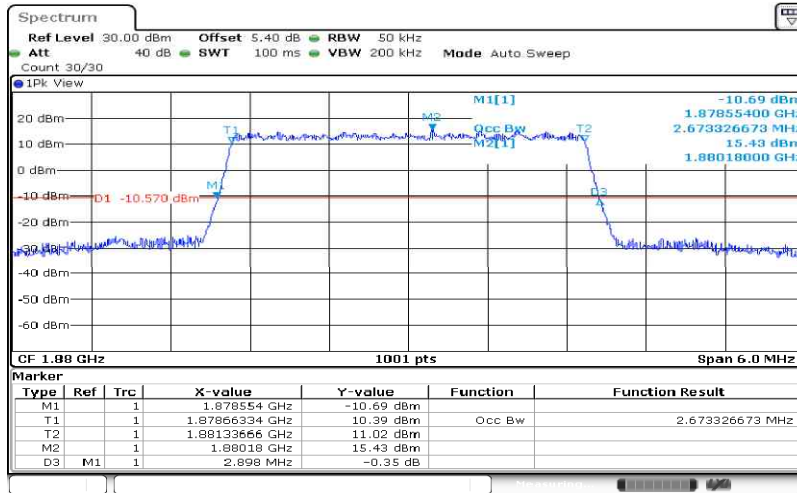
Date: 11 JUN 2020 12:00:33



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

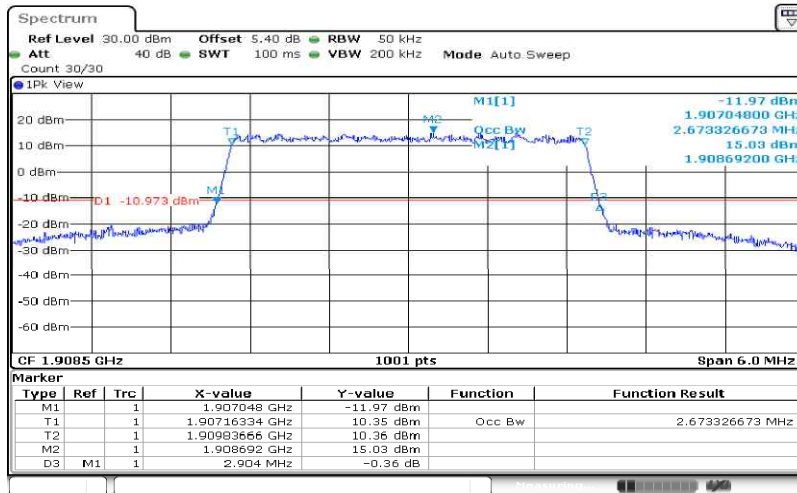


Band2-3MHz-16QAM-18900-15RB#0-2.673



Date: 11 JUN 2020 12:00:59

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



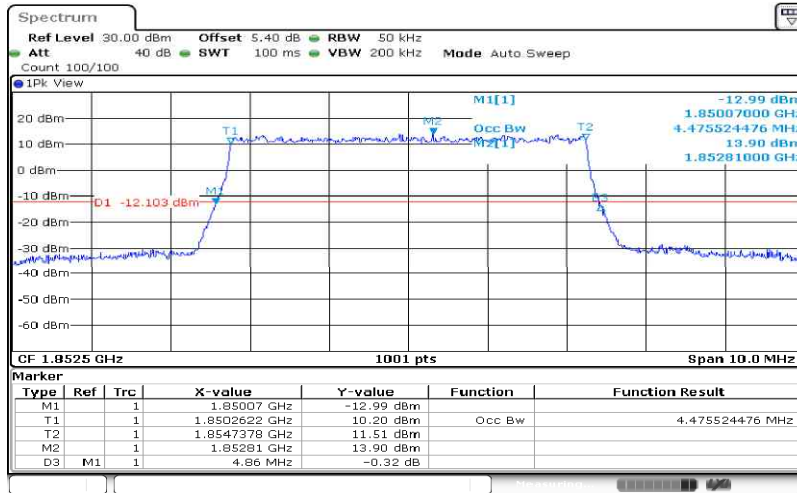
Date: 11 JUN 2020 12:01:24



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.

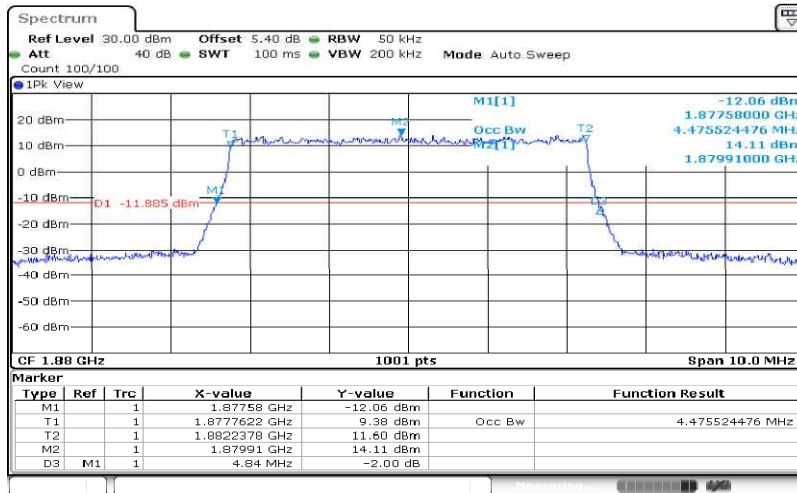


Band2-5MHz-QPSK-18625-25RB#0-4.476



Date: 11 JUN 2020 12:01:49

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



Date: 11 JUN 2020 12:02:29

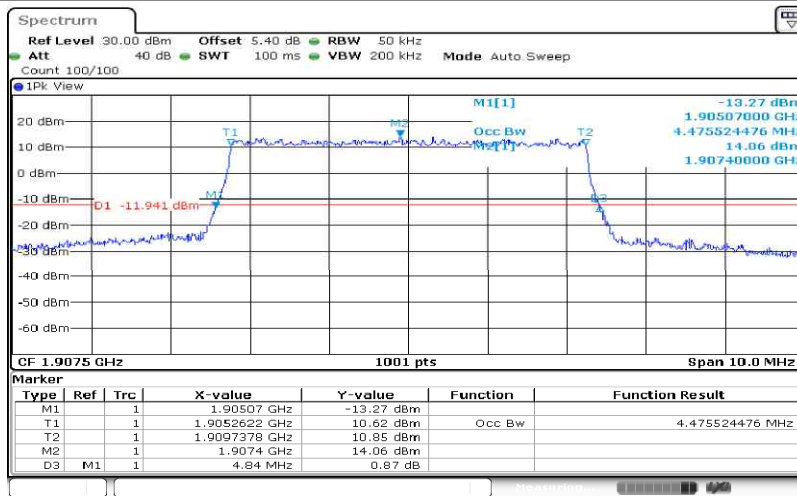


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



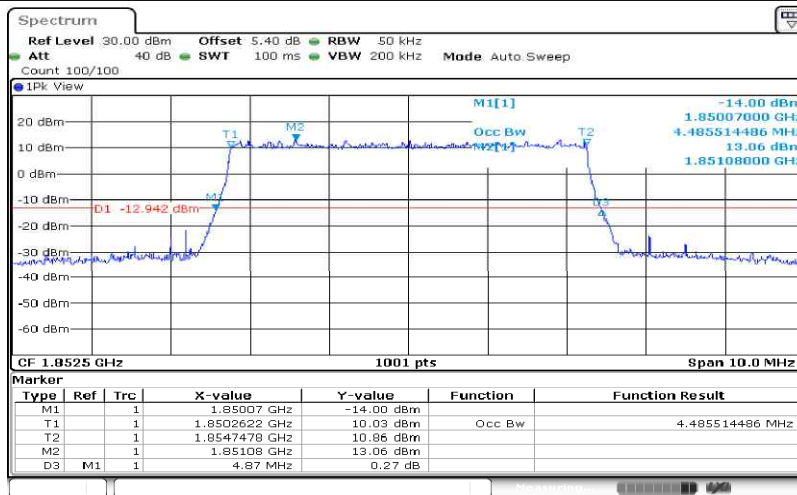


Band2-5MHz-QPSK-19175-25RB#0-4.476



Date: 11 JUN 2020 12:03:08

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



Date: 11 JUN 2020 12:02:09

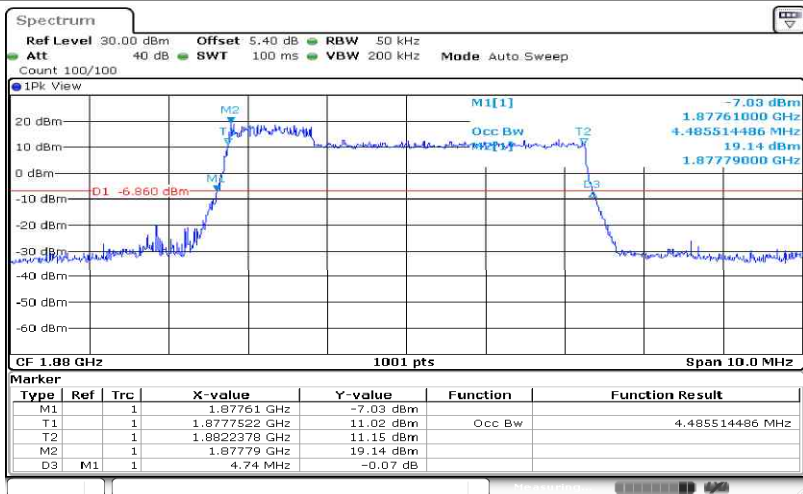


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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

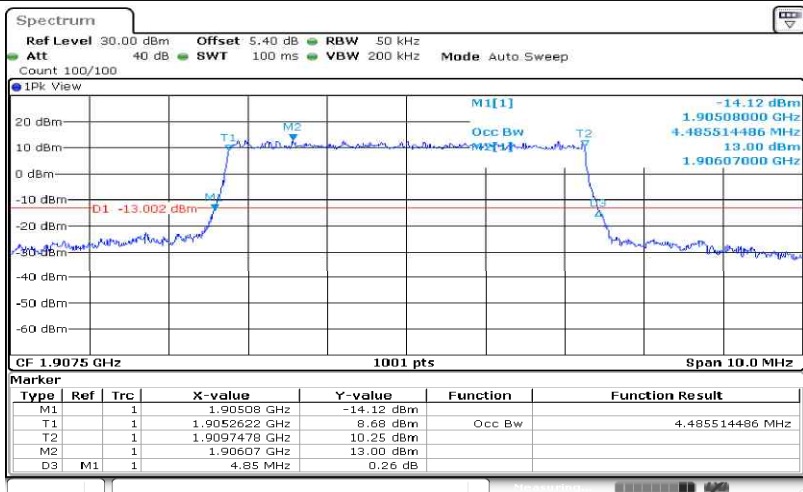


Band2-5MHz-16QAM-18900-25RB#0-4.486



Date: 11 JUN 2020 12:02:48

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



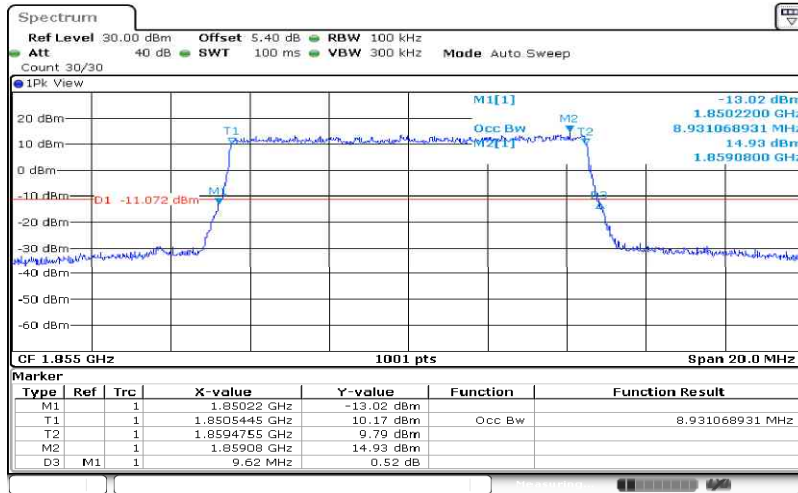
Date: 11 JUN 2020 12:03:28



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.

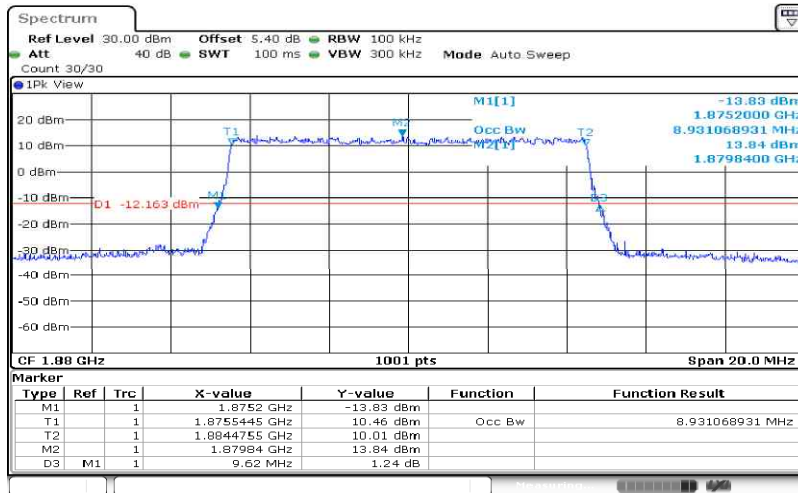


Band2-10MHz-QPSK-18650-50RB#0-8.931



Date: 11 JUN 2020 12:03:46

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



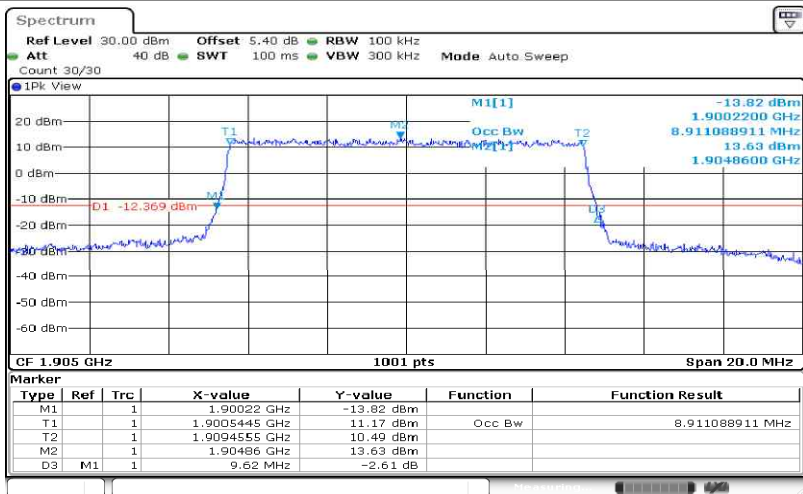
Date: 11 JUN 2020 12:04:11



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

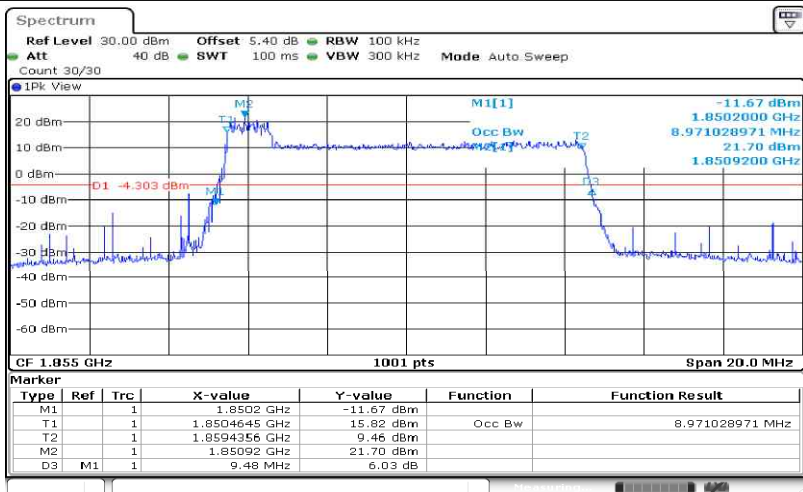


Band2-10MHz-QPSK-19150-50RB#0-8.911



Date: 11 JUN 2020 12:04:37

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



Date: 11 JUN 2020 12:03:58

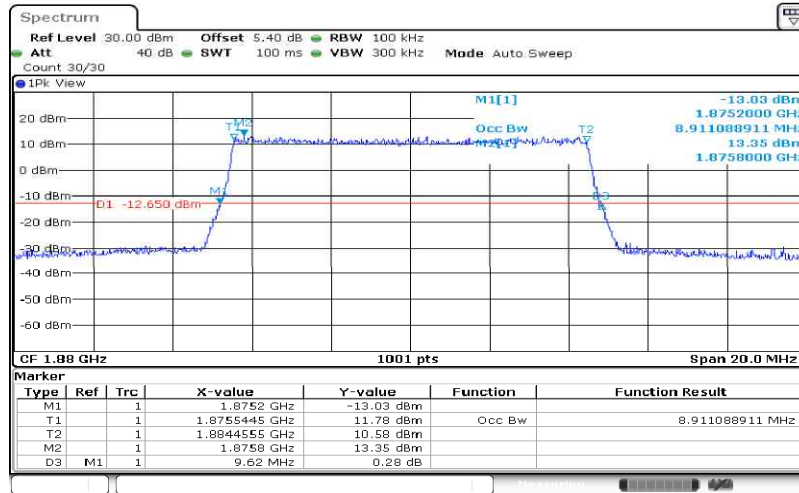


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

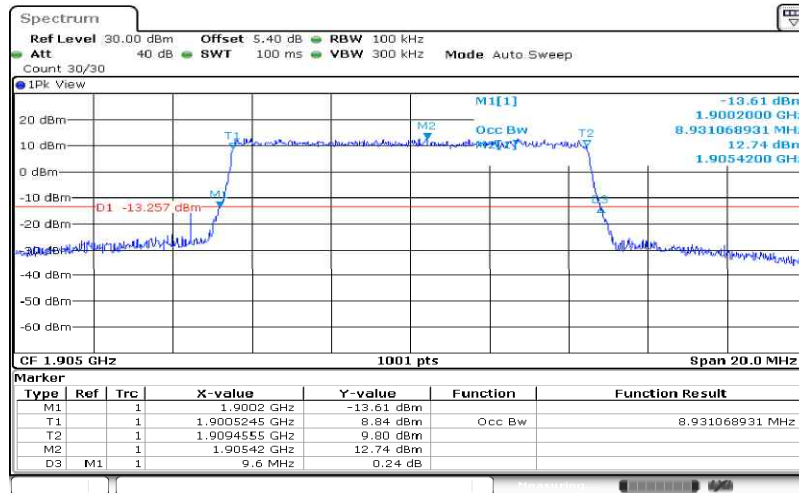




Band2-10MHz-16QAM-18900-50RB#0-8.911



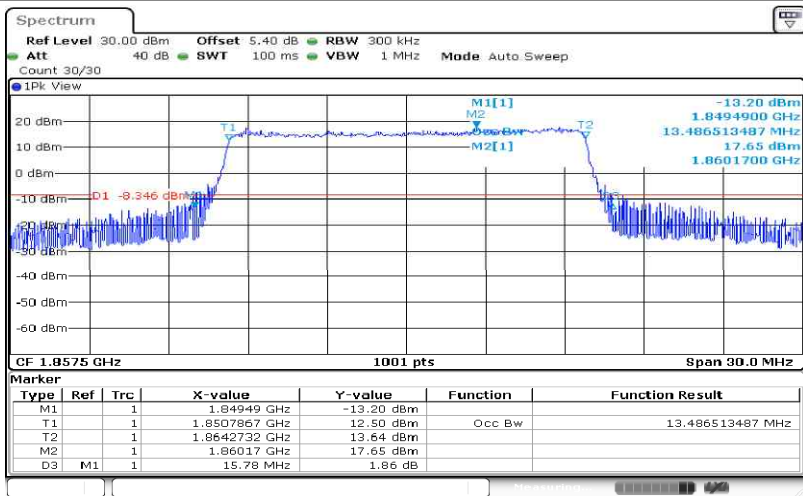
Band2-10MHz-16QAM-19150-50RB#0-8.931



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

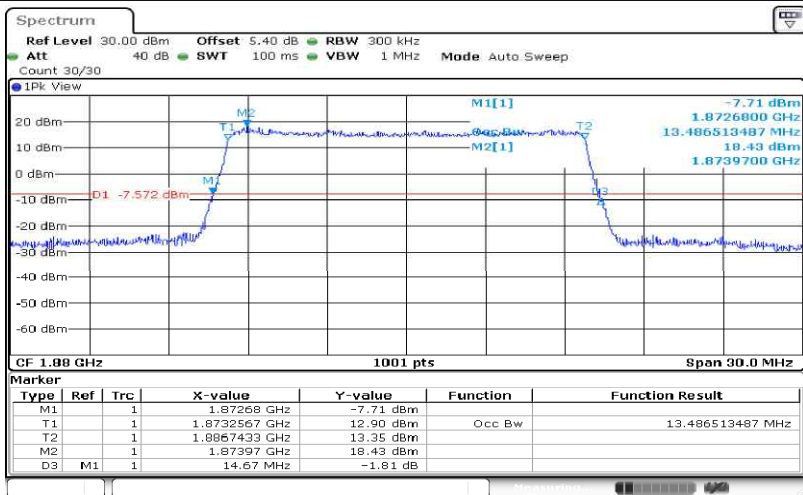


**Band2-15MHz-QPSK-18675-75RB#0-13.487**



Date: 11 JUN 2020 12:05:07

**Band2-15MHz-QPSK-18900-75RB#0-13.487**



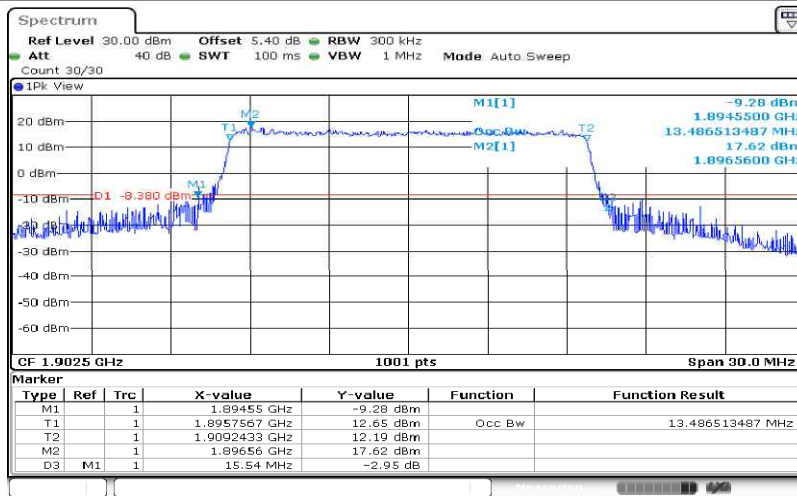
Date: 11 JUN 2020 12:05:33



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

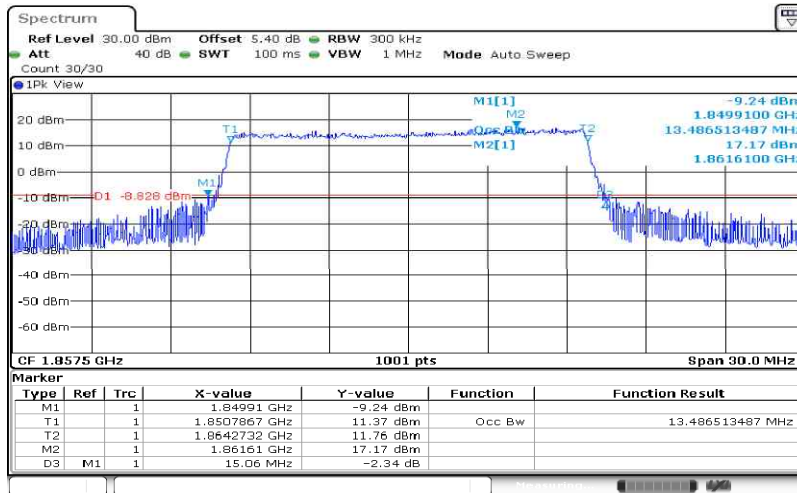


Band2-15MHz-QPSK-19125-75RB#0-13.487



Date: 11 JUN 2020 12:05:58

Band2-15MHz-16QAM-18675-75RB#0-13.487



Date: 11 JUN 2020 12:05:20



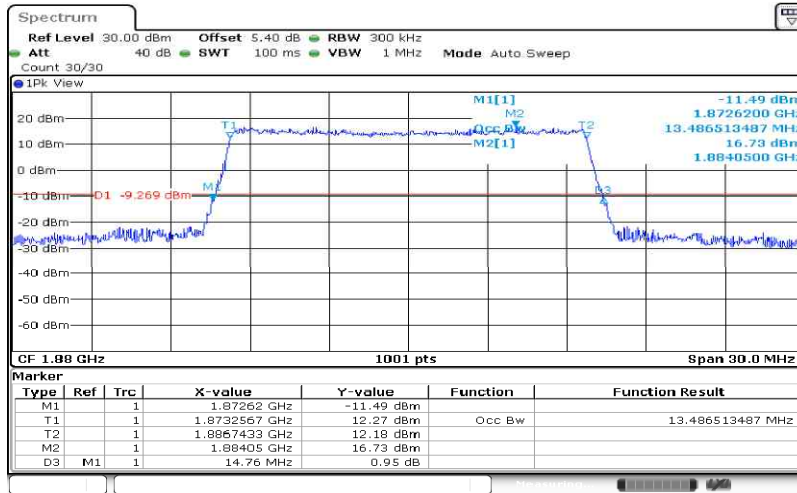
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

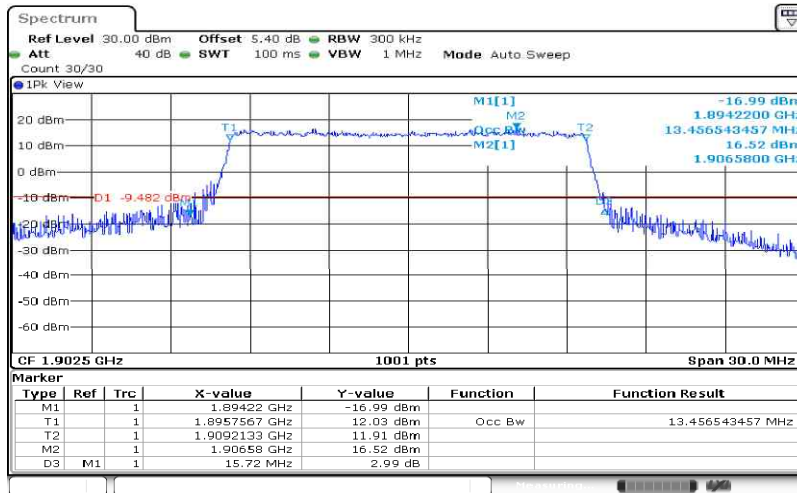


**Band2-15MHz-16QAM-18900-75RB#0-13.487**



Date: 11.JUN.2020 12:05:45

**Band2-15MHz-16QAM-19125-75RB#0-13.457**



Date: 11.JUN.2020 12:06:11

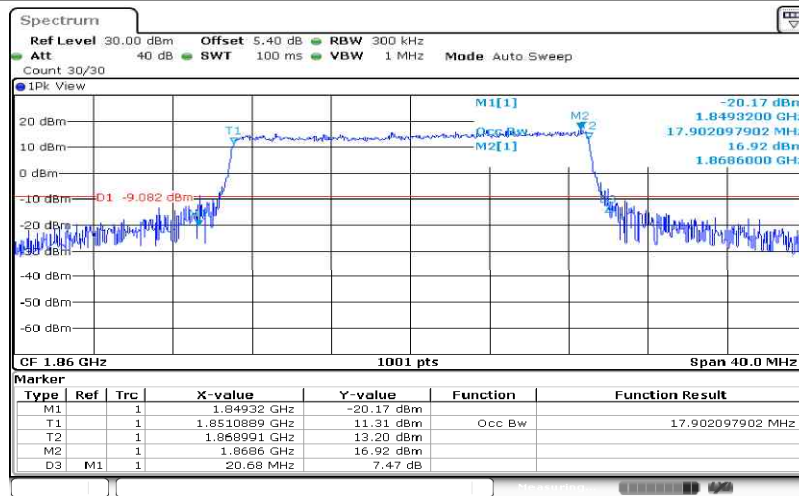


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



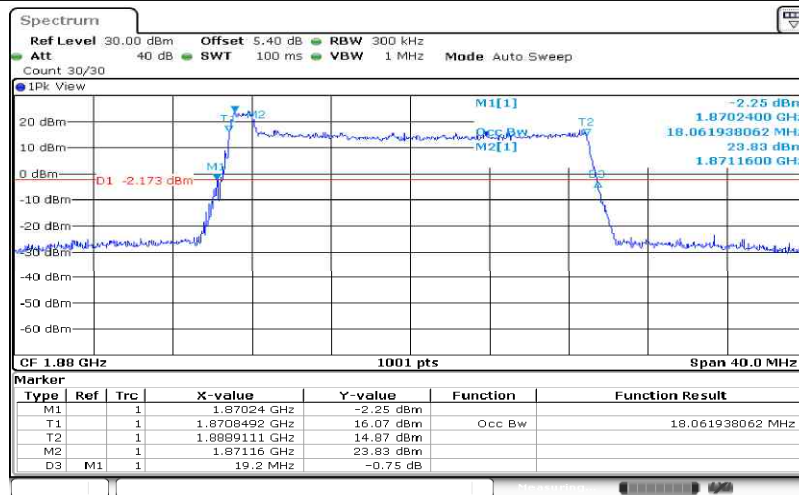


**Band2-20MHz-QPSK-18700-100RB#0-17.902**



Date: 11 JUN 2020 12:06:29

**Band2-20MHz-QPSK-18900-100RB#0-18.062**



Date: 11 JUN 2020 12:06:54

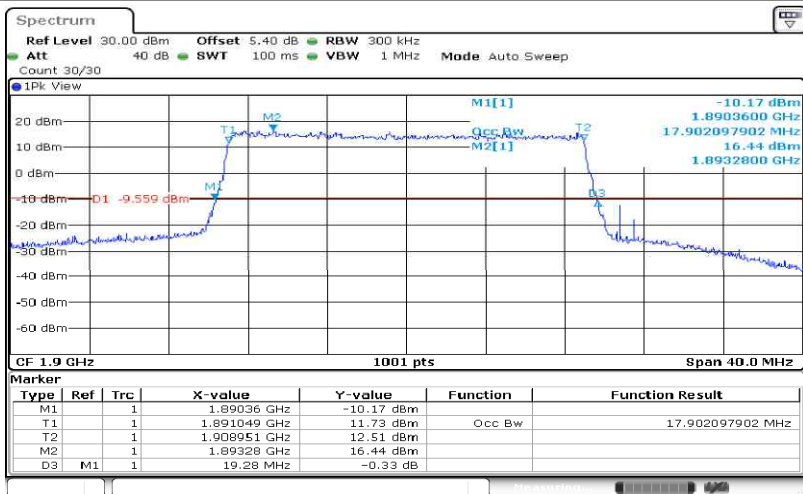


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

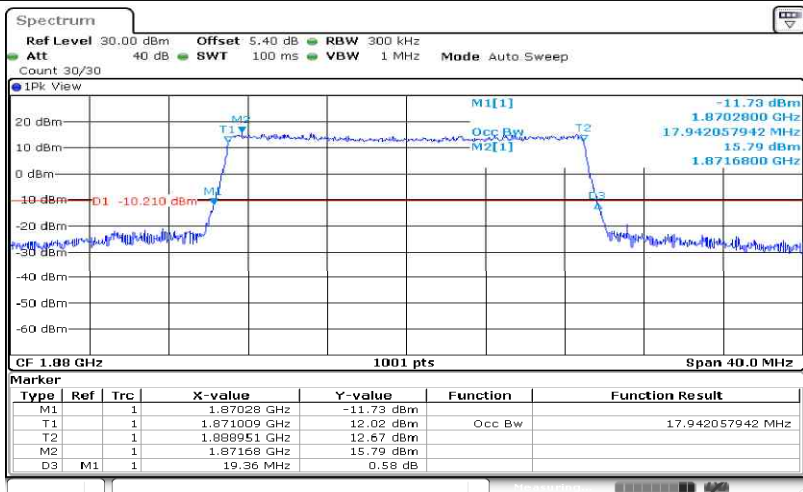


Band2-20MHz-QPSK-19100-100RB#0-17.902



Date: 11.JUN.2020 12:07:20

Band2-20MHz-16QAM-18900-100RB#0-17.942



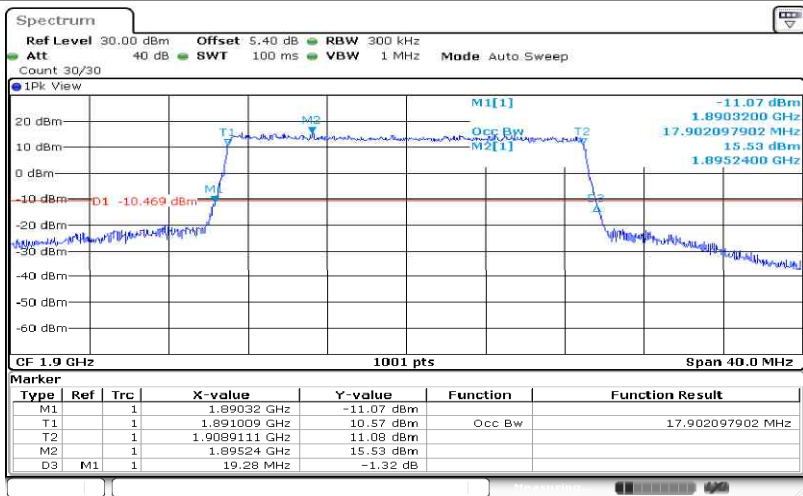
Date: 11.JUN.2020 12:07:07



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



Band2-20MHz-16QAM-19100-100RB#0-17.902



Date: 11 JUN 2020 12:07:33



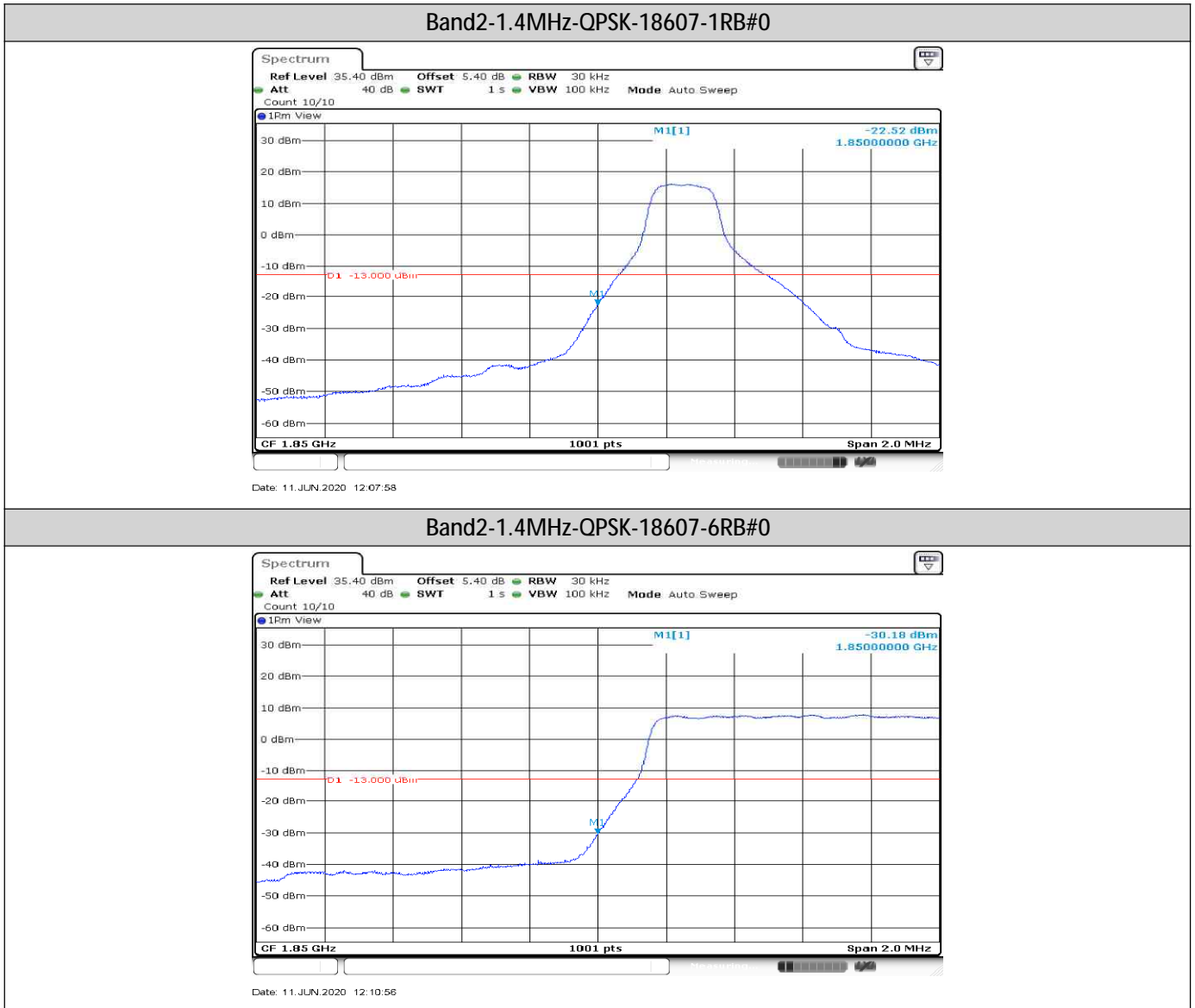
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

## 5. Band Edge Compliance

### 5.1. Test Plots



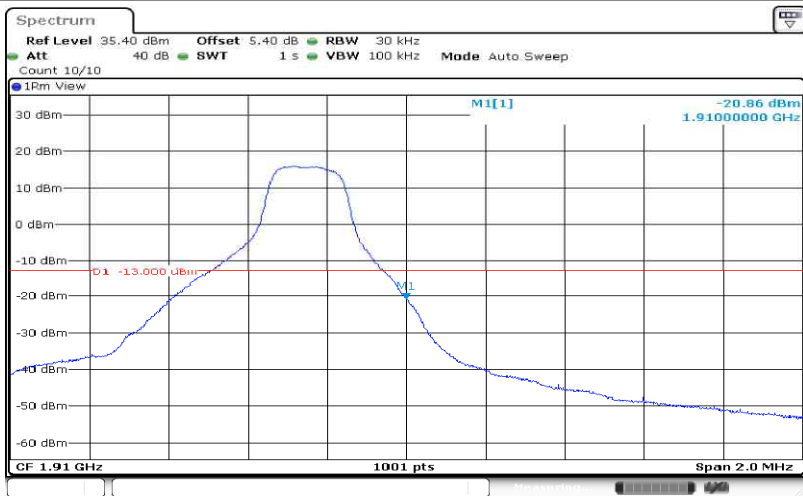
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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)





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



Date: 11 JUN 2020 12:09:29

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



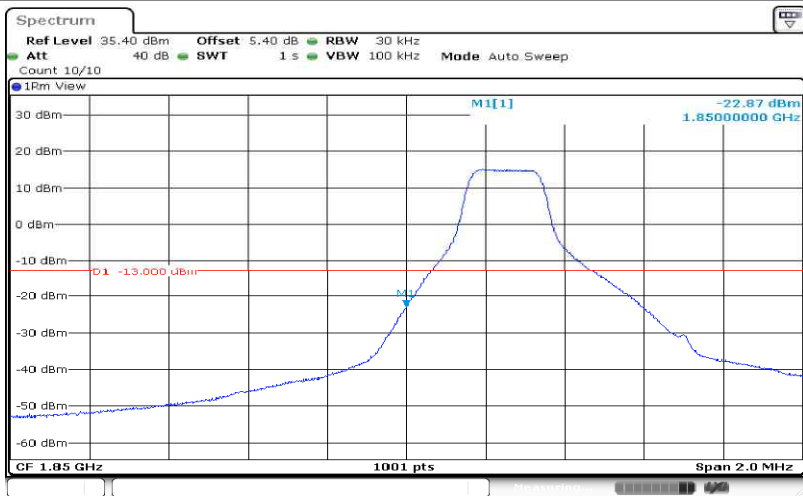
Date: 11 JUN 2020 12:11:37



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



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



Date: 11 JUN 2020 12:08:19

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



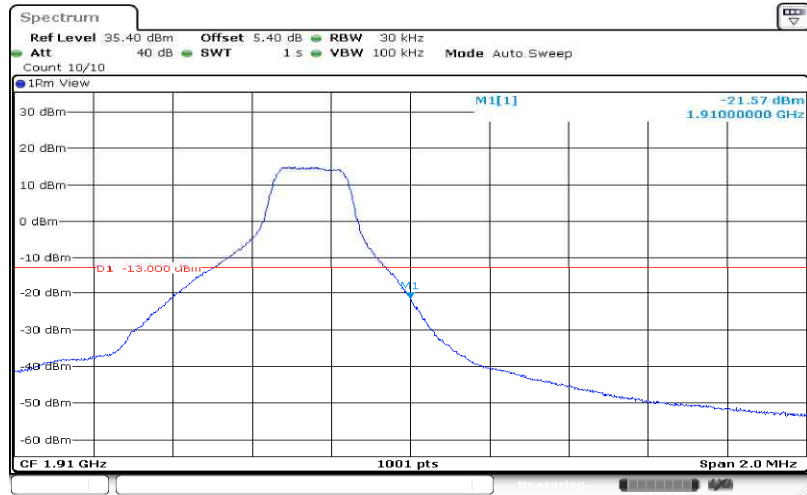
Date: 11 JUN 2020 12:11:17



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



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



Date: 11 JUN 2020 12:09:50

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



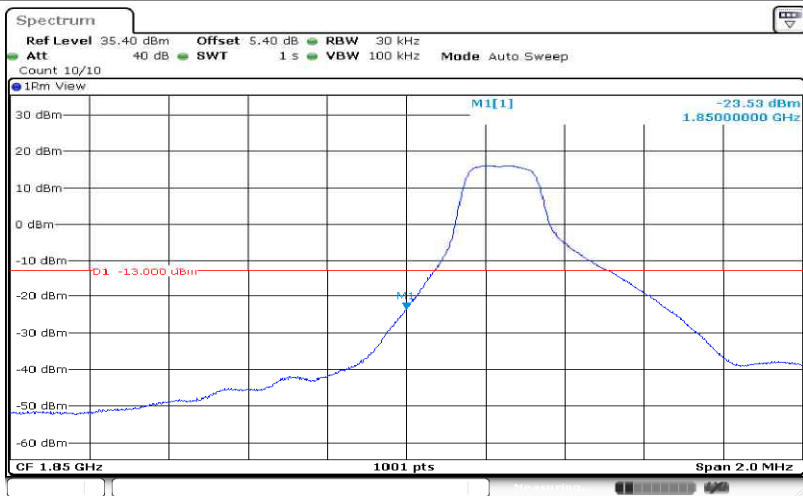
Date: 11 JUN 2020 12:11:58



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



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



Date: 11 JUN 2020 12:12:24

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



Date: 11 JUN 2020 12:15:18



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





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



Date: 11 JUN 2020 12:13:50

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



Date: 11 JUN 2020 12:15:59



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

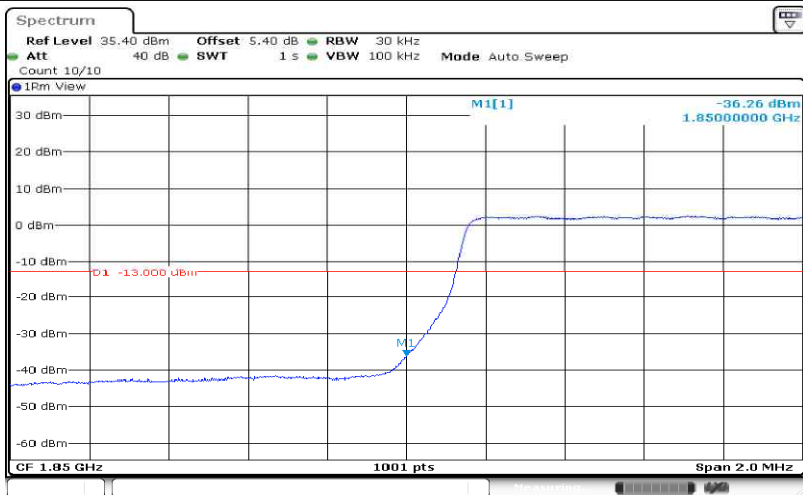


Band2-3MHz-16QAM-18615-1RB#0



Date: 11 JUN 2020 12:12:44

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



Date: 11 JUN 2020 12:15:39



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

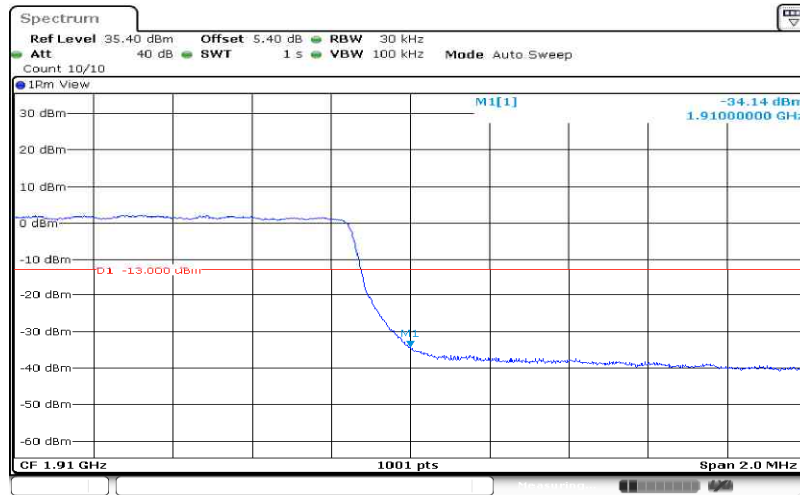


Band2-3MHz-16QAM-19185-1RB#14



Date: 11 JUN 2020 12:14:11

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



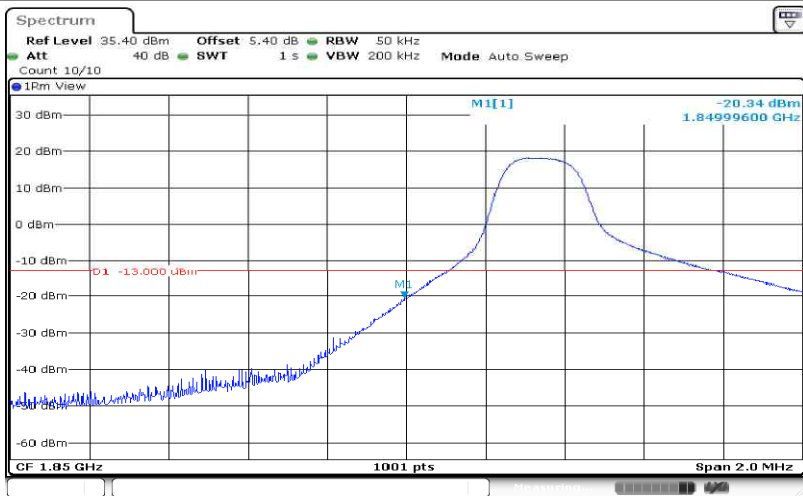
Date: 11 JUN 2020 12:16:20



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

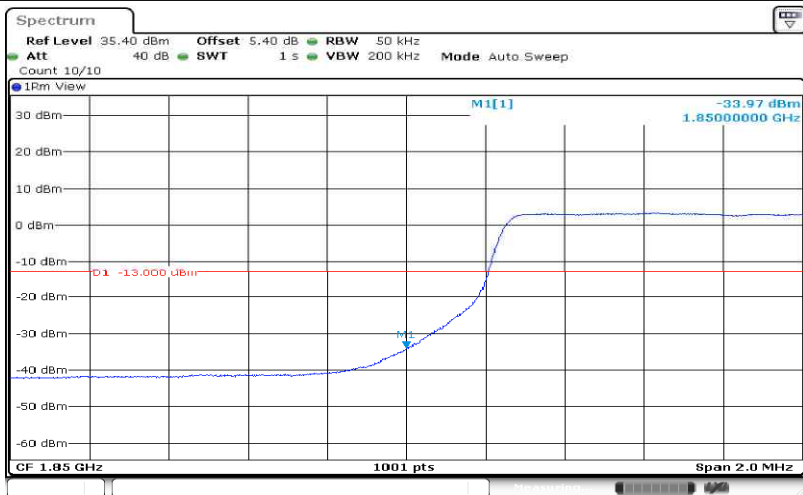


Band2-5MHz-QPSK-18625-1RB#0



Date: 11 JUN 2020 12:16:45

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



Date: 11 JUN 2020 12:19:40



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





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



Date: 11 JUN 2020 12:18:12

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



Date: 11 JUN 2020 12:20:21



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



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



Date: 11 JUN 2020 12:17:06

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



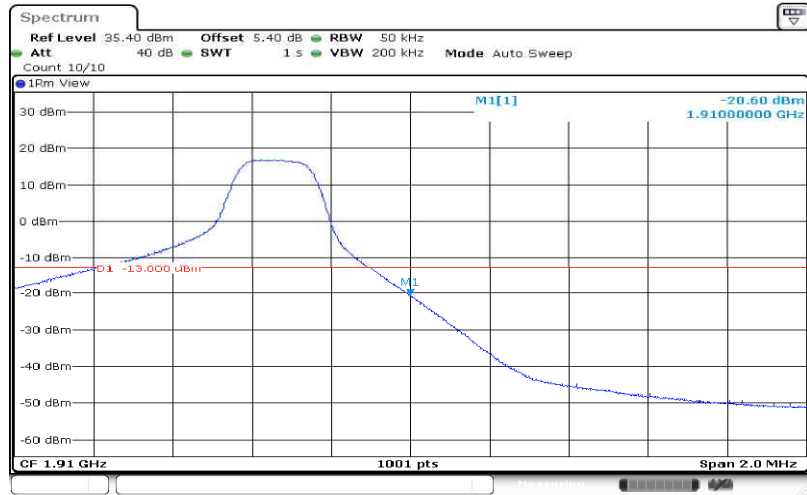
Date: 11 JUN 2020 12:20:01



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



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



Date: 11 JUN 2020 12:18:33

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



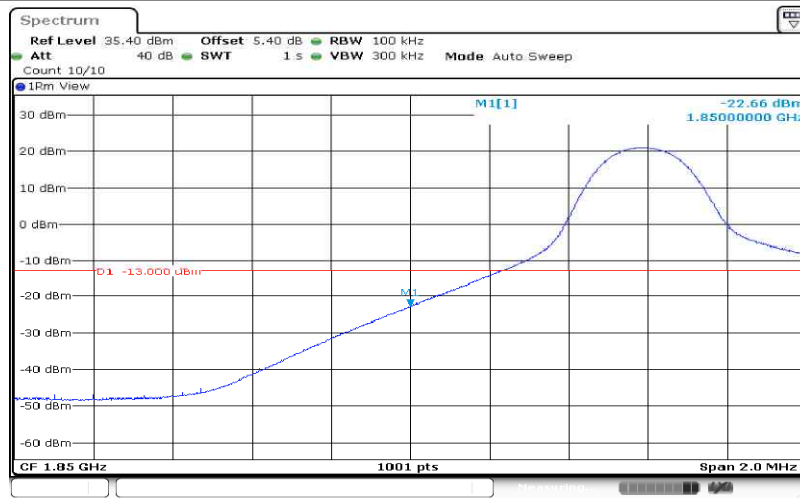
Date: 11 JUN 2020 12:20:42



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

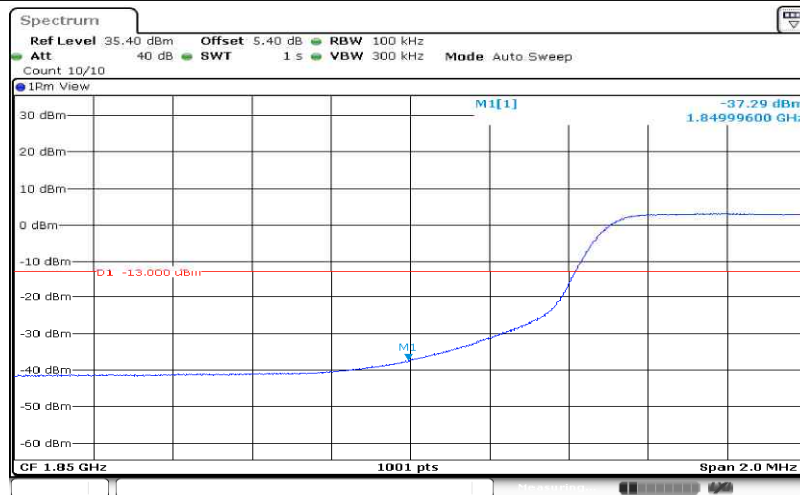


Band2-10MHz-QPSK-18650-1RB#0



Date: 11 JUN 2020 12:21:08

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



Date: 11 JUN 2020 12:24:01



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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-19150-1RB#49



Date: 11 JUN 2020 12:22:36

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



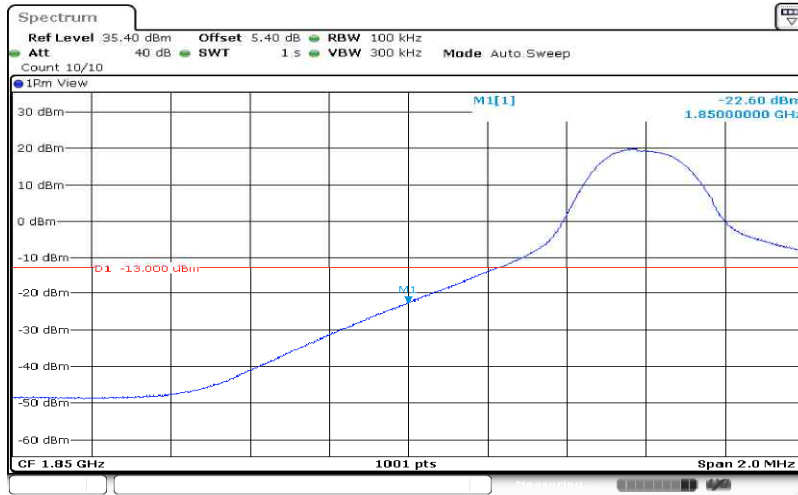
Date: 11 JUN 2020 12:24:43



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



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



Date: 11 JUN 2020 12:21:28

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



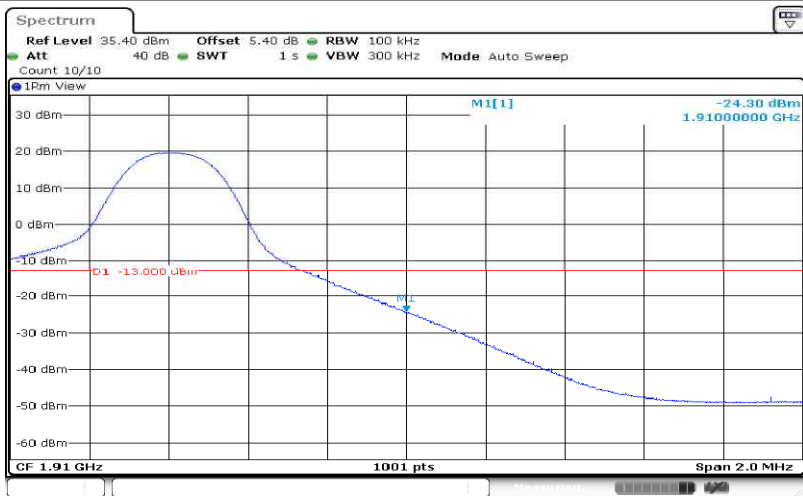
Date: 11 JUN 2020 12:24:22



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



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



Date: 11 JUN 2020 12:22:56

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



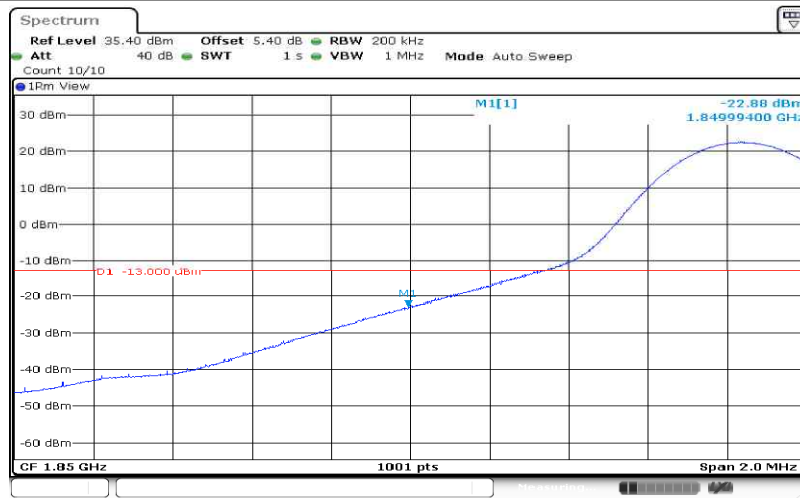
Date: 11 JUN 2020 12:25:03



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

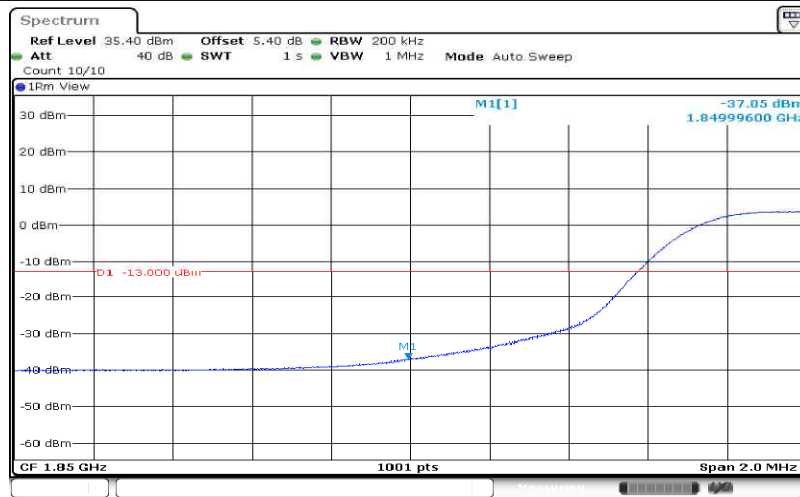


Band2-15MHz-QPSK-18675-1RB#0



Date: 11 JUN 2020 12:25:29

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



Date: 11 JUN 2020 12:28:22



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





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



Date: 11 JUN 2020 12:28:56

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



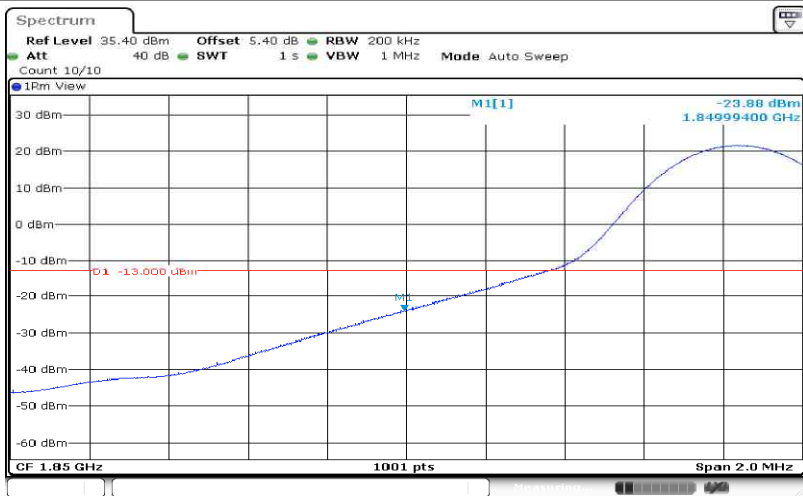
Date: 11 JUN 2020 12:29:04



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

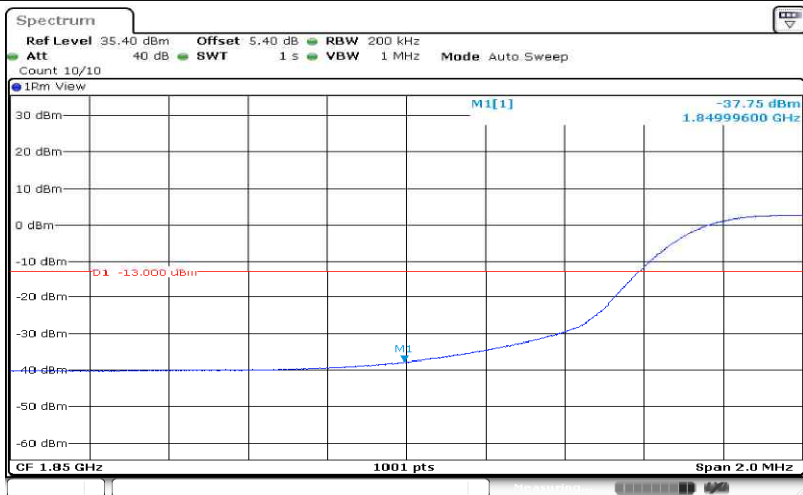


Band2-15MHz-16QAM-18675-1RB#0



Date: 11 JUN 2020 12:25:49

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



Date: 11 JUN 2020 12:28:43



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



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



Date: 11 JUN 2020 12:27:16

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



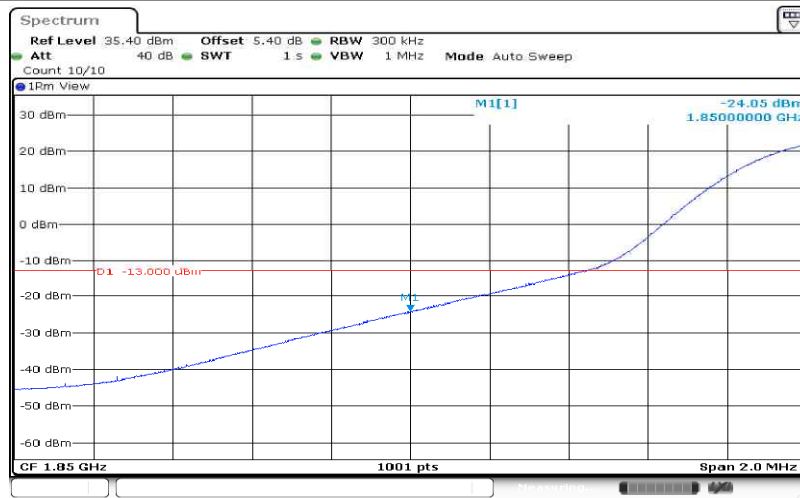
Date: 11 JUN 2020 12:29:24



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

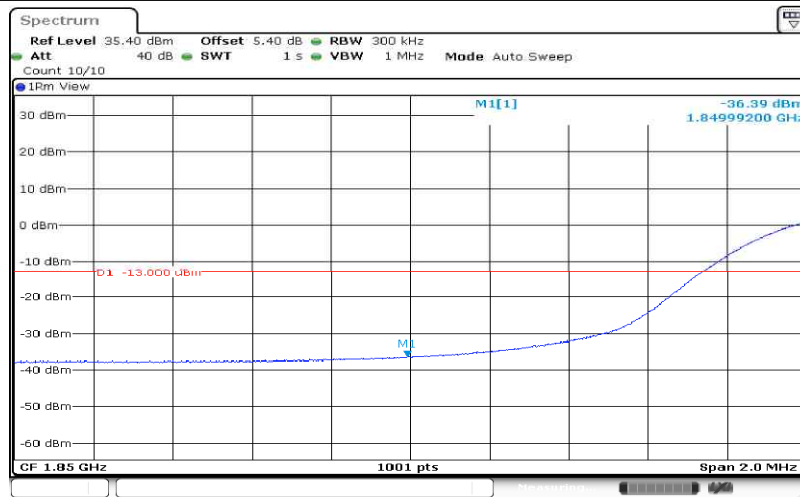


**Band2-20MHz-QPSK-18700-1RB#0**



Date: 11 JUN 2020 12:29:50

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



Date: 11 JUN 2020 12:32:43

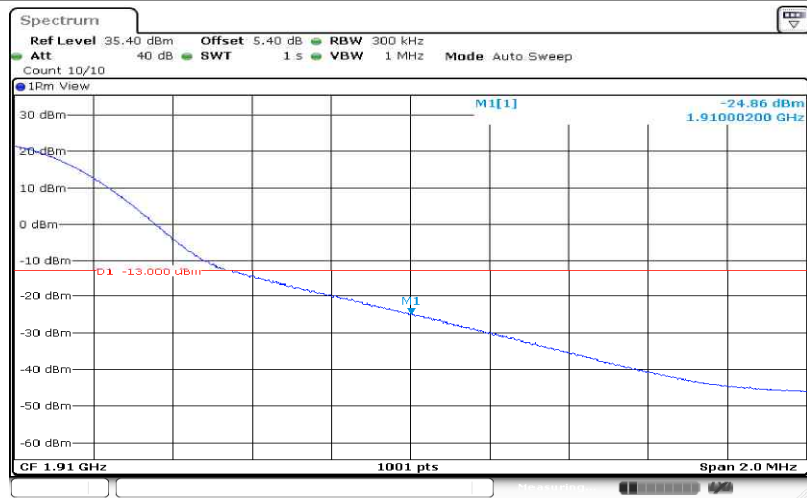


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





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



Date: 11 JUN 2020 12:31:16

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



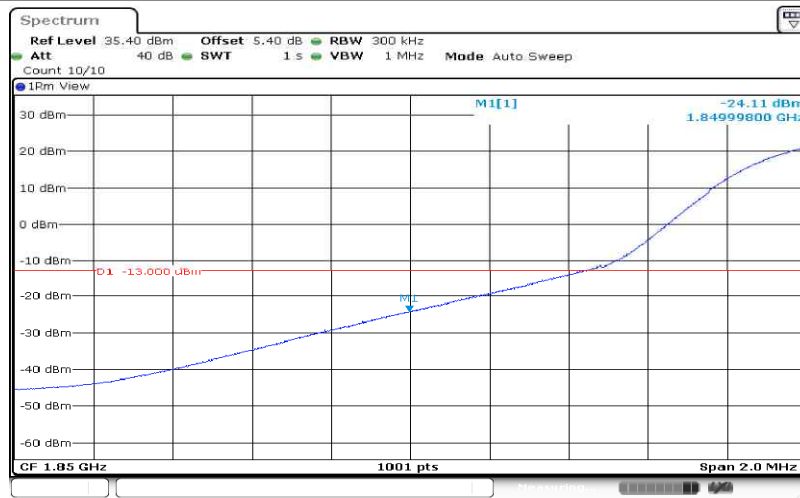
Date: 11 JUN 2020 12:33:24



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

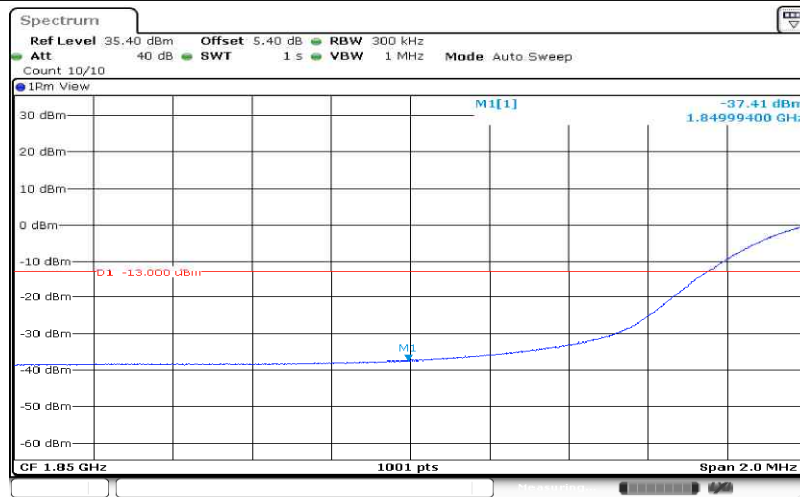


**Band2-20MHz-16QAM-18700-1RB#0**



Date: 11 JUN 2020 12:30:10

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



Date: 11 JUN 2020 12:33:03



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

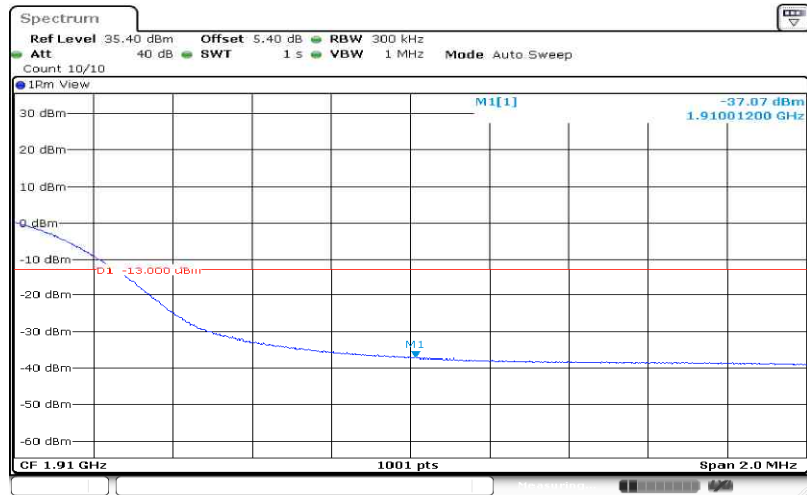


**Band2-20MHz-16QAM-19100-1RB#99**



Date: 11 JUN 2020 12:31:37

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



Date: 11 JUN 2020 12:33:45



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

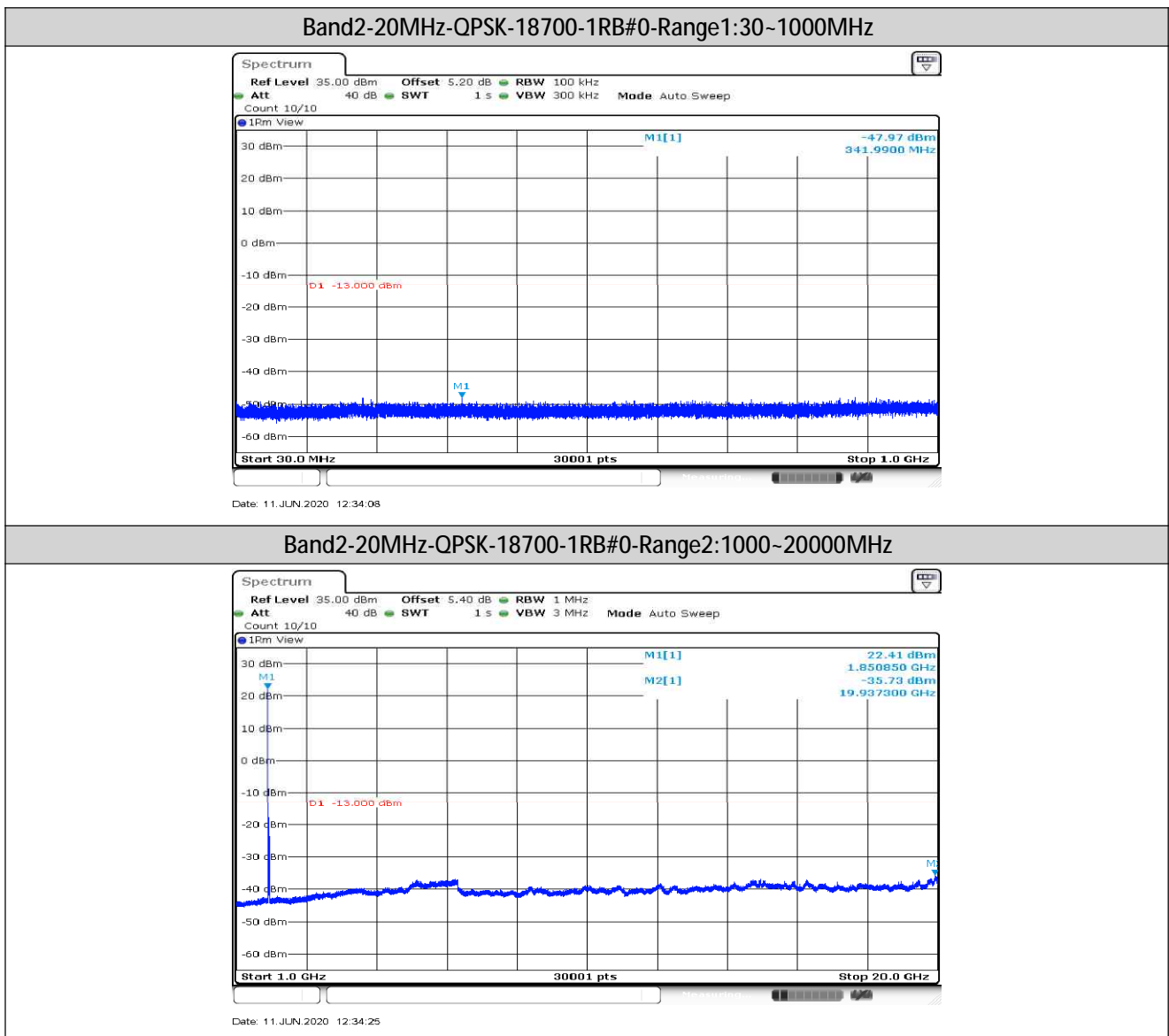


## 6. Spurious Emission at Antenna Terminal

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

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

### 6.1. Test Plots



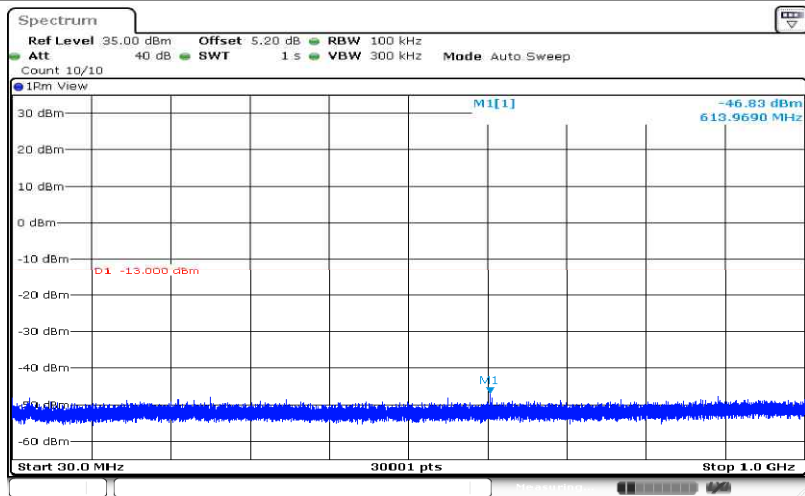
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: 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



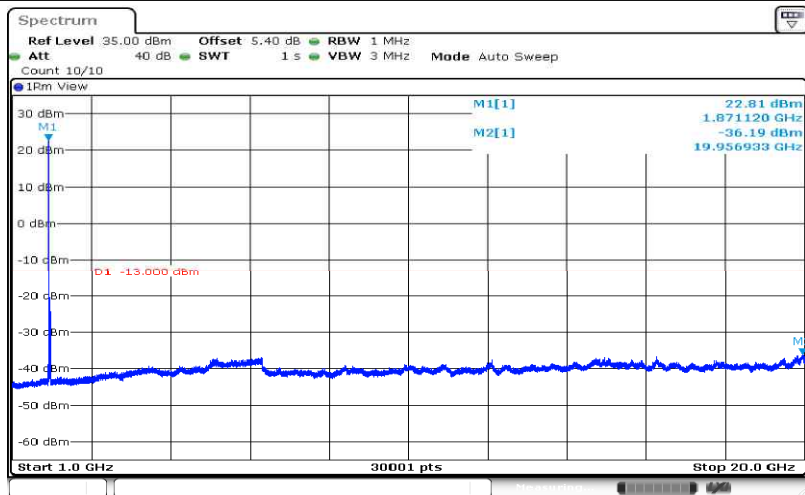


Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



Date: 11 JUN 2020 12:35:19

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



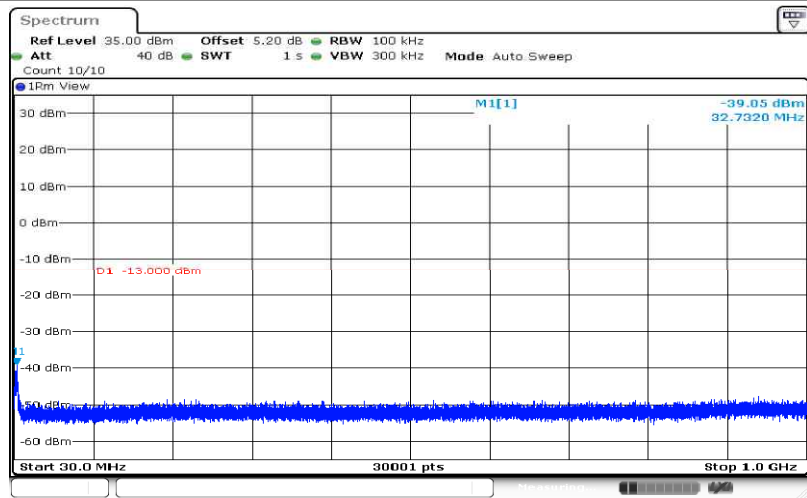
Date: 11 JUN 2020 12:35:35



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

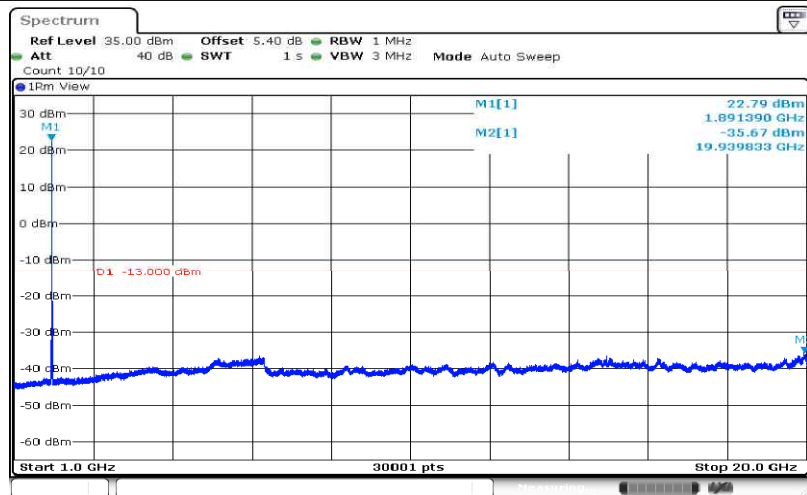


**Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz**



Date: 11 JUN 2020 12:36:29

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



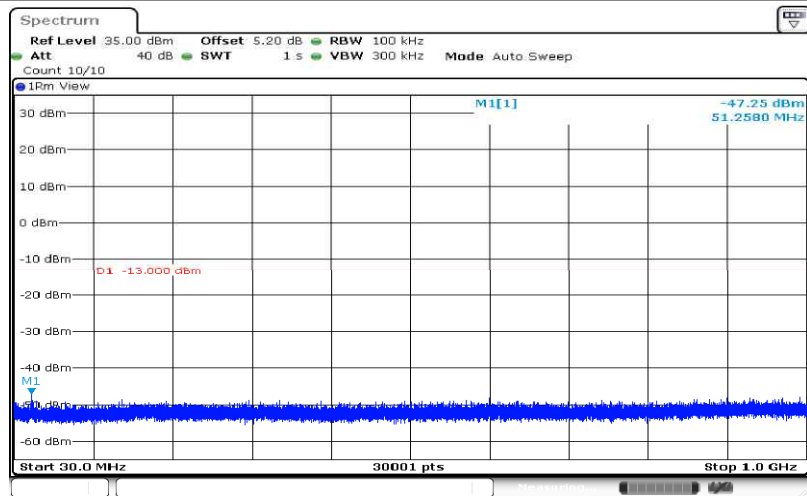
Date: 11 JUN 2020 12:36:45



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

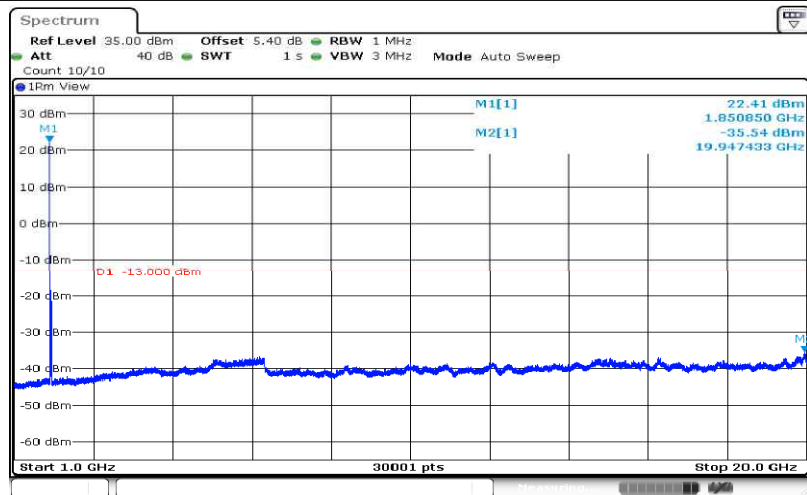


**Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz**



Date: 11.JUN.2020 12:34:44

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



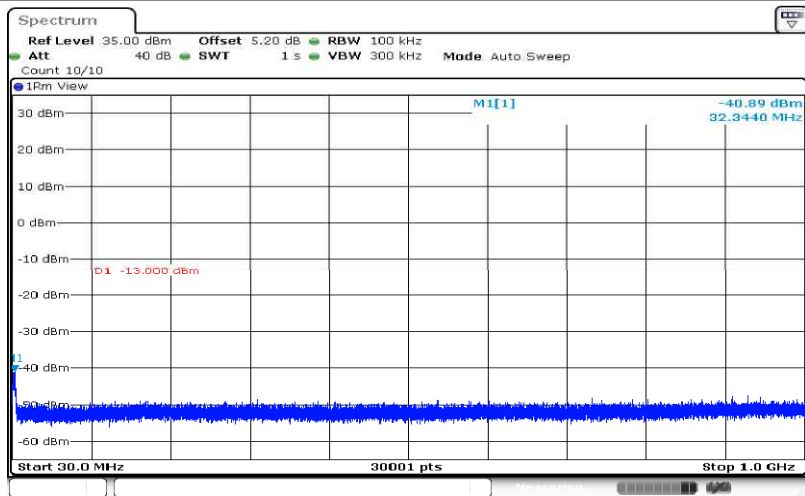
Date: 11.JUN.2020 12:35:00



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

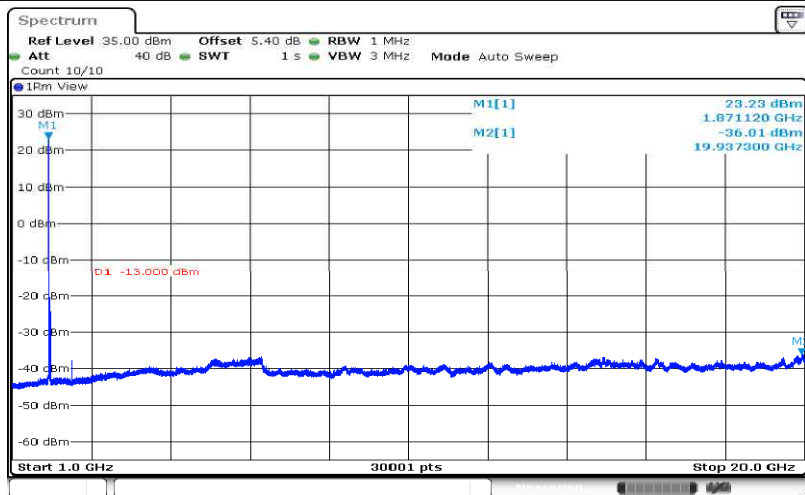


**Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz**



Date: 11.JUN.2020 12:35:54

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



Date: 11.JUN.2020 12:36:10

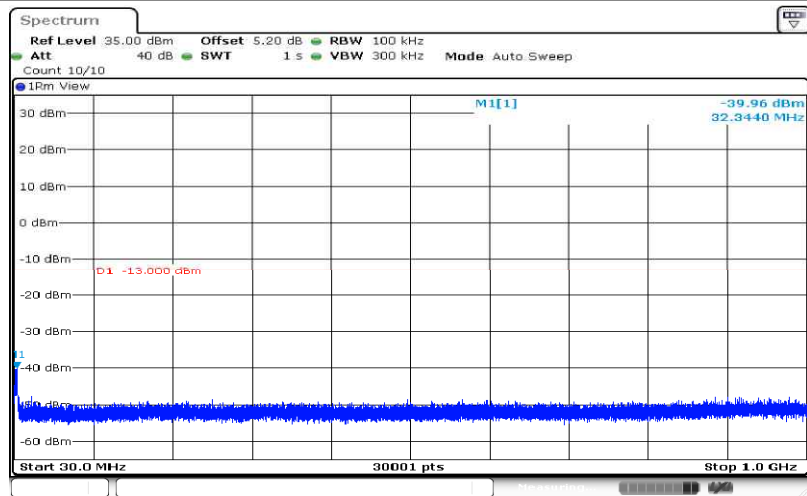


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



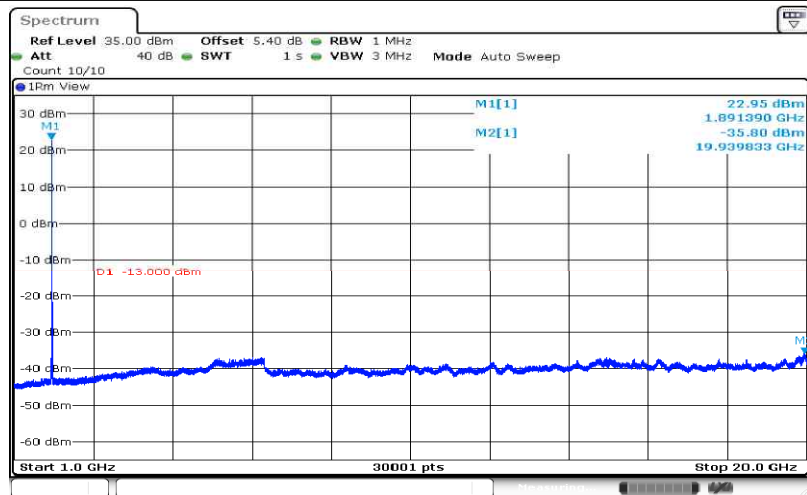


**Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz**



Date: 11 JUN 2020 12:37:04

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



Date: 11 JUN 2020 12:37:20



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



## 7. Field Strength of Spurious Radiation

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

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.4609	-73.64	-13.00	60.64	Vertical
105.8093	-65.04	-13.00	52.04	Vertical
376.7923	-68.22	-13.00	55.22	Vertical
2696.7393	-37.38	-13.00	24.38	Vertical
7440.1480	-52.66	-13.00	39.66	Vertical
17994.4998	-38.45	-13.00	25.45	Vertical
40.1855	-64.24	-13.00	51.24	Horizontal
234.8742	-68.50	-13.00	55.50	Horizontal
577.5924	-64.98	-13.00	51.98	Horizontal
2699.9400	-36.25	-13.00	23.25	Horizontal
7352.1451	-55.90	-13.00	42.90	Horizontal
16391.4464	-42.46	-13.00	29.46	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.0315	-72.40	-13.00	59.40	Vertical
110.7565	-64.52	-13.00	51.52	Vertical
374.0277	-68.53	-13.00	55.53	Vertical
2706.7413	-37.55	-13.00	24.55	Vertical
7519.6507	-53.84	-13.00	40.84	Vertical
17999.0000	-38.52	-13.00	25.52	Vertical
41.7861	-64.58	-13.00	51.58	Horizontal
246.2238	-68.16	-13.00	55.16	Horizontal
619.9350	-64.13	-13.00	51.13	Horizontal
2696.7393	-36.29	-13.00	23.29	Horizontal
7354.1451	-56.21	-13.00	43.21	Horizontal
16386.4462	-42.40	-13.00	29.40	Horizontal



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

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



### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.9644	-72.78	-13.00	59.78	Vertical
115.2188	-65.28	-13.00	52.28	Vertical
413.6542	-67.42	-13.00	54.42	Vertical
2701.1402	-37.43	-13.00	24.43	Vertical
7326.6442	-55.39	-13.00	42.39	Vertical
17999.5000	-38.51	-13.00	25.51	Vertical
44.8417	-64.54	-13.00	51.54	Horizontal
234.9227	-68.48	-13.00	55.48	Horizontal
580.7450	-64.91	-13.00	51.91	Horizontal
2703.5407	-36.41	-13.00	23.41	Horizontal
3782.0261	-56.37	-13.00	43.37	Horizontal
16392.4464	-42.60	-13.00	29.60	Horizontal

**Remark:**

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



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



## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-0.10	-0.000054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	1.70	0.000914	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-1.30	-0.000699	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-11.60	-0.006170	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-7.90	-0.004202	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-10.50	-0.005585	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-6.80	-0.003579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-5.60	-0.002947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-1.70	-0.000895	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	1.20	0.000645	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.40	0.000753	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-11.00	-0.005851	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-8.90	-0.004734	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-9.50	-0.005053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-6.20	-0.003263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-2.30	-0.001211	±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)





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	-10.00	-0.005376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-3.50	-0.001882	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-3.20	-0.001720	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-2.00	-0.001075	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-1.80	-0.000968	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-2.00	-0.001075	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-11.50	-0.006117	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-11.50	-0.006117	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-4.80	-0.002553	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-8.70	-0.004628	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-11.00	-0.005851	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-4.40	-0.002340	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-5.20	-0.002766	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-7.40	-0.003936	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-5.40	-0.002842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-9.40	-0.004947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-9.70	-0.005105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-9.20	-0.004842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.40	-0.004947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-6.70	-0.003526	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	0.90	0.000484	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	0.40	0.000215	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-2.20	-0.001183	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-3.40	-0.001828	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-1.20	-0.000645	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-3.90	-0.002097	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	0.40	0.000215	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-7.70	-0.004096	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-6.10	-0.003245	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-10.90	-0.005798	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-9.30	-0.004947	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-8.30	-0.004415	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-13.40	-0.007128	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-7.50	-0.003989	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-10.70	-0.005691	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-1.10	-0.000579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-6.50	-0.003421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-5.90	-0.003105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-4.80	-0.002526	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-6.20	-0.003263	±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)



Band2	20MHz	16QAM	19100	100RB#0	NV	30	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.90	-0.002053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-6.30	-0.003316	±2.5	PASS



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

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