



# Appendix B

## E-UTRA Band 4



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

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



**CONTENT**

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

1.1. TEST RESULT ..... 4

**2. PEAK-TO-AVERAGE RATIO (CCDF) .....18**

2.1. TEST RESULT ..... 18

2.2. TEST PLOTS..... 18

**3. MODULATION CHARACTERISTICS .....22**

3.1. TEST MODE = LTE /TM1 20MHZ..... 22

3.1.1. TEST CHANNEL = MCH..... 22

3.2. TEST MODE = LTE /TM2 20MHZ..... 23

3.2.1. TEST CHANNEL = MCH..... 23

**4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....24**

4.1. TEST RESULT ..... 24

4.2. TEST PLOTS..... 25

**5. BAND EDGE COMPLIANCE .....44**

5.1. TEST PLOTS..... 44

**6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....69**

6.1. TEST PLOTS..... 69

**7. FIELD STRENGTH OF SPURIOUS RADIATION .....76**

7.1. Test Band = LTE\_4 \_TM1 DOWN ANT ..... 76

7.1.1. Test Channel = Low Channel ..... 76

7.2. Test Band = LTE\_4 \_TM1 DOWN ANT ..... 77

7.2.1. Test Channel = Low Channel ..... 77

7.3. Test Band = LTE\_4 \_TM1 DOWN ANT ..... 78

7.3.1. Test Channel = Mid Channel ..... 78

7.4. Test Band = LTE\_4 \_TM1 DOWN ANT ..... 79

7.4.1. Test Channel = Mid Channel ..... 79

7.5. Test Band = LTE\_4 \_TM1 DOWN ANT ..... 80

7.5.1. Test Channel = High Channel ..... 80

7.6. Test Band = LTE\_4 \_TM1 DOWN ANT ..... 81

7.6.1. Test Channel = High Channel ..... 81

7.7. Test Band = LTE\_4 \_TM1 UP ANT ..... 82



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



7.7.1.	Test Channel = Low Channel .....	82
7.8.	Test Band = LTE_4 _TM1 UP ANT .....	83
7.8.1.	Test Channel = Low Channel .....	83
7.9.	Test Band = LTE_4 _TM1 UP ANT .....	84
7.9.1.	Test Channel = Mid Channel .....	84
7.10.	Test Band = LTE_4 _TM1 UP ANT .....	85
7.10.1.	Test Channel = Mid Channel .....	85
7.11.	Test Band = LTE_4 _TM1 UP ANT .....	86
7.11.1.	Test Channel = High Channel .....	86
7.12.	Test Band = LTE_4 _TM1 UP ANT .....	87
7.12.1.	Test Channel = High Channel .....	87
<b>8.</b>	<b>FREQUENCY STABILITY .....</b>	<b>88</b>
8.1.	FREQUENCY VS VOLTAGE .....	88
8.2.	FREQUENCY VS TEMPERATURE .....	88



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

Attention: 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

### Down Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.88	21.88	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.43	21.43	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.25	21.25	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.32	21.32	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.36	21.36	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.27	21.27	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.09	20.09	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.95	21.95	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.35	22.35	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.87	21.87	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.94	21.94	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.06	22.06	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.99	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.56	20.56	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.37	22.37	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.44	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.21	22.21	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.12	22.12	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.44	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.55	22.55	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.16	21.16	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.54	20.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.69	20.69	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.16	20.16	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.32	20.32	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.24	20.24	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.18	20.18	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.44	19.44	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.91	20.91	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.67	21.67	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.39	21.39	30.00	PASS



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

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



Band4	1.4MHz	16QAM	20175	3RB#0	21.79	20.79	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.72	20.72	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.69	20.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.63	19.63	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.54	21.54	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.44	21.44	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.21	21.21	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.16	21.16	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.30	21.30	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.96	20.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.37	20.37	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.83	21.83	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.64	21.64	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.48	21.48	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.46	20.46	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.45	20.45	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.42	20.42	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.37	20.37	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	21.95	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.00	22.00	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.12	22.12	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.96	20.96	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.07	21.07	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.94	20.94	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.85	20.85	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.08	22.08	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.60	22.60	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.25	22.25	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.28	21.28	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.19	21.19	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.24	21.24	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.19	21.19	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.39	20.39	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.79	20.79	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.44	20.44	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.75	19.75	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.83	19.83	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.89	19.89	30.00	PASS



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

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

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



Band4	3MHz	16QAM	19965	15RB#0	20.88	19.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.88	20.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.21	21.21	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.94	20.94	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.89	19.89	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.92	19.92	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.90	19.90	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.94	19.94	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.30	21.30	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.47	21.47	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.53	21.53	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.17	20.17	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.26	20.26	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.21	20.21	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.50	20.50	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.18	22.18	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.95	21.95	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.82	21.82	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.87	20.87	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.82	20.82	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.84	20.84	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.85	20.85	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.05	22.05	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.65	22.65	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.39	22.39	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.39	21.39	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.35	21.35	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.46	21.46	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.39	21.39	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.78	22.78	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.79	22.79	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.63	22.63	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.77	21.77	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.70	21.70	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.65	21.65	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.68	21.68	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.22	21.22	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.06	21.06	30.00	PASS



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

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

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



Band4	5MHz	16QAM	19975	1RB#24	22.08	21.08	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.92	19.92	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.80	19.80	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.02	20.02	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.95	19.95	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.47	21.47	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.60	21.60	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.49	21.49	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.49	20.49	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.37	20.37	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.39	20.39	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.38	20.38	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.86	21.86	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.89	21.89	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.18	22.18	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.66	20.66	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.62	20.62	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.77	20.77	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.71	20.71	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.96	21.96	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.68	21.68	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.54	21.54	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.35	20.35	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.43	20.43	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.99	20.99	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.41	20.41	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.83	21.83	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.38	22.38	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.11	22.11	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.87	20.87	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.96	20.96	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.91	20.91	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.95	20.95	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.56	22.56	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.52	22.52	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.35	22.35	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.25	21.25	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.31	21.31	30.00	PASS



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

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



Band4	10MHz	QPSK	20350	25RB#25	22.10	21.10	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.24	21.24	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.77	20.77	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.52	20.52	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.59	20.59	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.47	19.47	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.41	19.41	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.52	19.52	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.39	19.39	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.02	21.02	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.06	21.06	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.00	21.00	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.04	20.04	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.98	19.98	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.89	19.89	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.82	19.82	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.41	21.41	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.35	21.35	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.69	21.69	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.21	20.21	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.23	20.23	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.27	20.27	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.15	20.15	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.49	21.49	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.55	21.55	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.80	21.80	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.26	20.26	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.19	20.19	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.50	20.50	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.27	20.27	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.56	21.56	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.96	21.96	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.25	22.25	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.71	20.71	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.79	20.79	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.03	21.03	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.69	20.69	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.75	21.75	30.00	PASS



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

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

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





Band4	15MHz	QPSK	20325	1RB#38	23.22	22.22	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.39	22.39	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.93	20.93	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.96	20.96	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.24	21.24	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.98	20.98	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.10	20.10	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.37	20.37	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.03	20.03	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.33	19.33	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.27	19.27	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.41	19.41	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.36	19.36	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.44	20.44	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.84	20.84	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.01	21.01	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.52	19.52	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.69	19.69	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.92	19.92	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.61	19.61	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.63	20.63	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.17	21.17	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.83	20.83	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.83	19.83	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.10	20.10	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.19	20.19	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.01	20.01	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.95	21.95	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.64	21.64	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.70	21.70	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.49	20.49	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.54	20.54	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.41	20.41	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.64	20.64	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.03	22.03	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.84	21.84	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.89	21.89	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.98	20.98	30.00	PASS



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

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

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



Band4	20MHz	QPSK	20175	50RB#25	21.96	20.96	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.85	20.85	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.82	20.82	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.96	21.96	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.02	22.02	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.01	22.01	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.83	20.83	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.93	20.93	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.85	20.85	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.13	21.13	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.06	21.06	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.38	20.38	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.42	20.42	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.42	19.42	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.32	19.32	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.34	19.34	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.53	19.53	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.93	20.93	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.49	20.49	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.67	20.67	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.74	19.74	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.84	19.84	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.76	19.76	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.82	19.82	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.17	21.17	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.17	21.17	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.86	20.86	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.06	20.06	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.05	20.05	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.07	20.07	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.13	20.13	30.00	PASS



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

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

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



**Up Antenna:**

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	19.61	13.31	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	19.21	12.91	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	19.20	12.90	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	19.53	13.23	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	19.34	13.04	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	19.27	12.97	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.20	12.90	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	20.10	13.80	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.00	13.70	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	19.75	13.45	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	19.81	13.51	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	19.73	13.43	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	19.78	13.48	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	19.79	13.49	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	20.33	14.03	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	20.27	13.97	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	20.15	13.85	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.28	13.98	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.40	14.10	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	20.17	13.87	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.15	13.85	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	19.85	13.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	19.87	13.57	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	19.47	13.17	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	19.25	12.95	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	19.27	12.97	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	19.25	12.95	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.42	13.12	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.95	13.65	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.04	13.74	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.75	14.45	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	19.80	13.50	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	19.97	13.67	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	19.78	13.48	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.93	13.63	30.00	PASS



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

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

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



Band4	1.4MHz	16QAM	20393	1RB#0	20.23	13.93	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.75	14.45	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.86	14.56	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.26	13.96	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.31	14.01	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.28	13.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.33	14.03	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	19.62	13.32	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	19.44	13.14	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	19.18	12.88	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	19.30	13.00	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	19.28	12.98	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	19.30	13.00	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	19.36	13.06	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	19.80	13.50	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	19.86	13.56	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	19.77	13.47	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	19.79	13.49	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	19.92	13.62	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	19.92	13.62	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	19.78	13.48	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.18	13.88	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	20.38	14.08	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.16	13.86	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.27	13.97	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.29	13.99	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.26	13.96	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.23	13.93	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	19.60	13.30	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	19.52	13.22	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.10	13.80	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	19.39	13.09	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.24	12.94	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	19.29	12.99	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	19.31	13.01	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	20.08	13.78	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.18	13.88	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.04	13.74	30.00	PASS



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

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

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



Band4	3MHz	16QAM	20175	8RB#0	20.07	13.77	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.87	13.57	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.87	13.57	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.93	13.63	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.82	14.52	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.49	14.19	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.46	14.16	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.38	14.08	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.28	13.98	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.18	13.88	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.40	14.10	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	19.78	13.48	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	19.42	13.12	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	19.25	12.95	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	19.34	13.04	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	19.25	12.95	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	19.23	12.93	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	19.38	13.08	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	19.89	13.59	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	19.86	13.56	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	19.84	13.54	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	19.97	13.67	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	19.99	13.69	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	19.88	13.58	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	19.96	13.66	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.14	13.84	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.39	14.09	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.22	13.92	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.21	13.91	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.38	14.08	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.31	14.01	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.33	14.03	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	19.49	13.19	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	19.68	13.38	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	19.73	13.43	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.36	13.06	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.29	12.99	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.24	12.94	30.00	PASS



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

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

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



Band4	5MHz	16QAM	19975	25RB#0	19.39	13.09	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.67	14.37	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	19.90	13.60	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	19.96	13.66	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.83	13.53	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.90	13.60	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.92	13.62	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.75	13.45	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.46	14.16	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.52	14.22	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.72	14.42	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.22	13.92	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.33	14.03	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.26	13.96	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.33	14.03	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	19.41	13.11	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	19.57	13.27	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	19.48	13.18	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	19.40	13.10	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	19.31	13.01	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	19.57	13.27	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	19.89	13.59	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	20.05	13.75	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	19.81	13.51	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	19.93	13.63	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	19.87	13.57	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	20.37	14.07	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	20.54	14.24	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	20.55	14.25	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.34	14.04	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.40	14.10	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.29	13.99	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.31	14.01	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.07	13.77	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	19.39	13.09	30.00	PASS



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

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

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



Band4	10MHz	16QAM	2000	1RB#49	20.19	13.89	30.00	PASS
Band4	10MHz	16QAM	2000	25RB#0	19.36	13.06	30.00	PASS
Band4	10MHz	16QAM	2000	25RB#12	19.25	12.95	30.00	PASS
Band4	10MHz	16QAM	2000	25RB#25	19.34	13.04	30.00	PASS
Band4	10MHz	16QAM	2000	50RB#0	19.47	13.17	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.62	14.32	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.41	14.11	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.41	14.11	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.07	13.77	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.68	13.38	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.92	13.62	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.05	13.75	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.60	14.30	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.93	14.63	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.66	14.36	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.26	13.96	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.47	14.17	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.45	14.15	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.45	14.15	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	19.20	12.90	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	19.27	12.97	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	19.28	12.98	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	19.21	12.91	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	19.29	12.99	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	19.33	13.03	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	19.21	12.91	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	19.26	12.96	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	19.98	13.68	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	20.03	13.73	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	19.66	13.36	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	19.79	13.49	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	19.79	13.49	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	19.70	13.40	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	19.95	13.65	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	20.08	13.78	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.08	13.78	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	19.83	13.53	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.09	13.79	30.00	PASS



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

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

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



Band4	15MHz	QPSK	20325	38RB#37	20.13	13.83	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	19.95	13.65	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	19.17	12.87	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	19.36	13.06	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	19.44	13.14	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	19.22	12.92	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	19.21	12.91	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	19.32	13.02	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	19.28	12.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.06	13.76	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	19.84	13.54	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.19	13.89	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	19.74	13.44	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	19.87	13.57	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	19.81	13.51	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	19.74	13.44	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.04	13.74	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.76	14.46	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	19.92	13.62	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	19.82	13.52	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.11	13.81	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.10	13.80	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	19.98	13.68	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	19.95	13.65	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	19.24	12.94	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	19.23	12.93	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	19.52	13.22	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	19.34	13.04	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	19.22	12.92	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	19.44	13.14	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	20.03	13.73	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	19.77	13.47	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	19.69	13.39	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	20.15	13.85	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	19.81	13.51	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	19.85	13.55	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	19.83	13.53	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	19.89	13.59	30.00	PASS



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

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

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





Band4	20MHz	QPSK	20300	1RB#49	20.02	13.72	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	19.94	13.64	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.11	13.81	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.11	13.81	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.09	13.79	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.16	13.86	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	19.71	13.41	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	19.79	13.49	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	19.60	13.30	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.44	13.14	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	19.33	13.03	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	19.24	12.94	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.35	13.05	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.05	13.75	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	19.98	13.68	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.10	13.80	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.09	13.79	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	19.82	13.52	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	19.75	13.45	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.80	13.50	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.22	13.92	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.34	14.04	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.32	14.02	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.26	13.96	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.18	13.88	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.14	13.84	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.14	13.84	30.00	PASS

Remark:

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

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

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



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

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

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

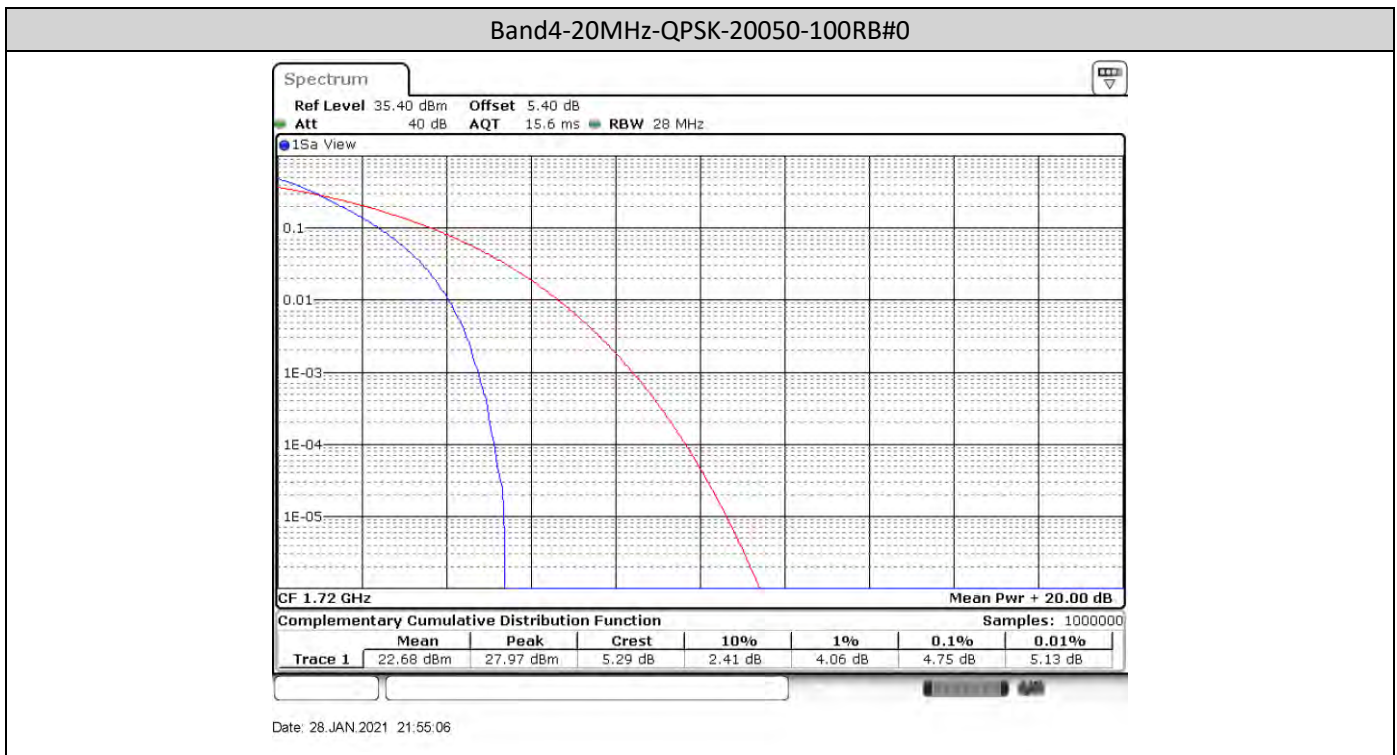


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.75	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.61	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.49	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.42	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.36	13	PASS

### 2.2. Test Plots

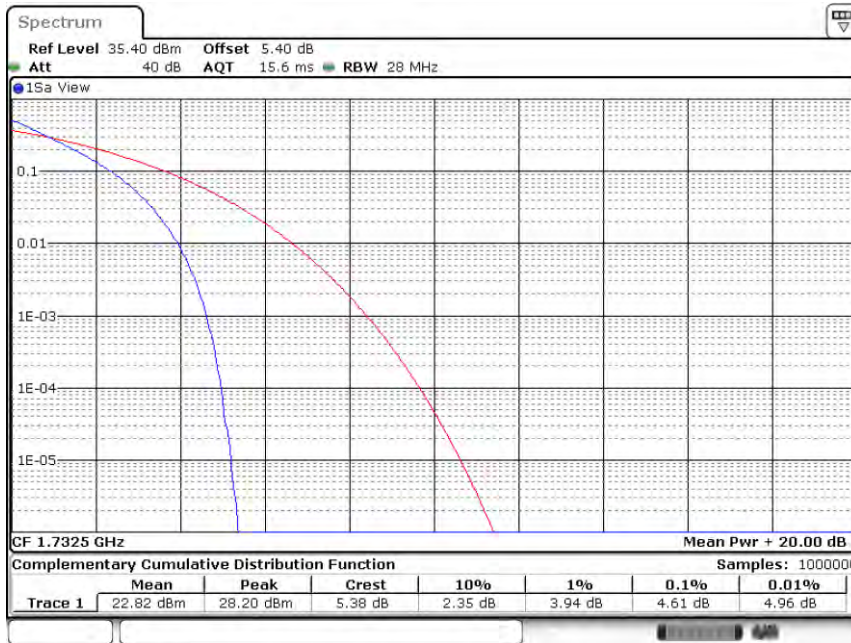


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

**Band4-20MHz-QPSK-20175-100RB#0**



Date: 28. JAN 2021 21:55:29

**Band4-20MHz-QPSK-20300-100RB#0**



Date: 28. JAN 2021 21:55:51



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

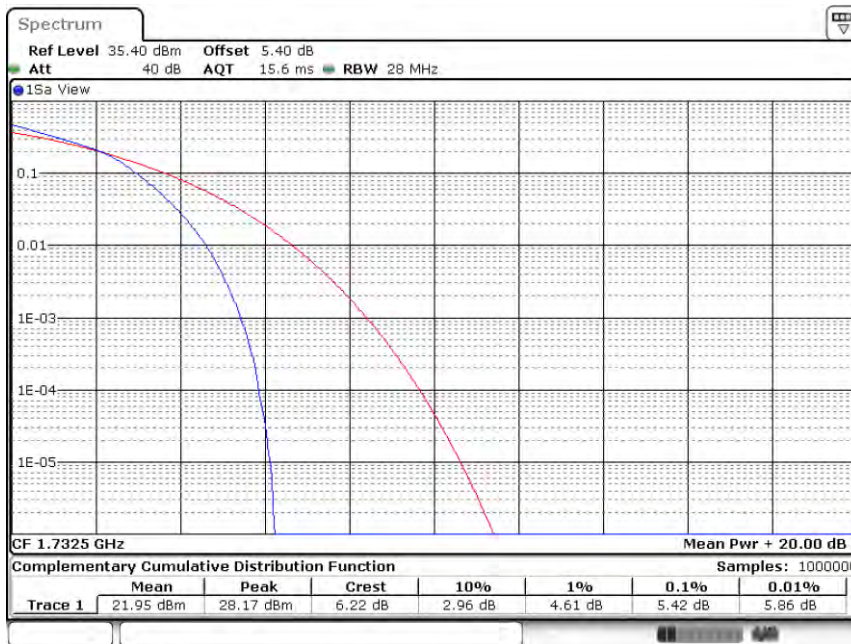
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-20MHz-16QAM-20050-100RB#0**



Date: 28. JAN 2021 21:55:17

**Band4-20MHz-16QAM-20175-100RB#0**

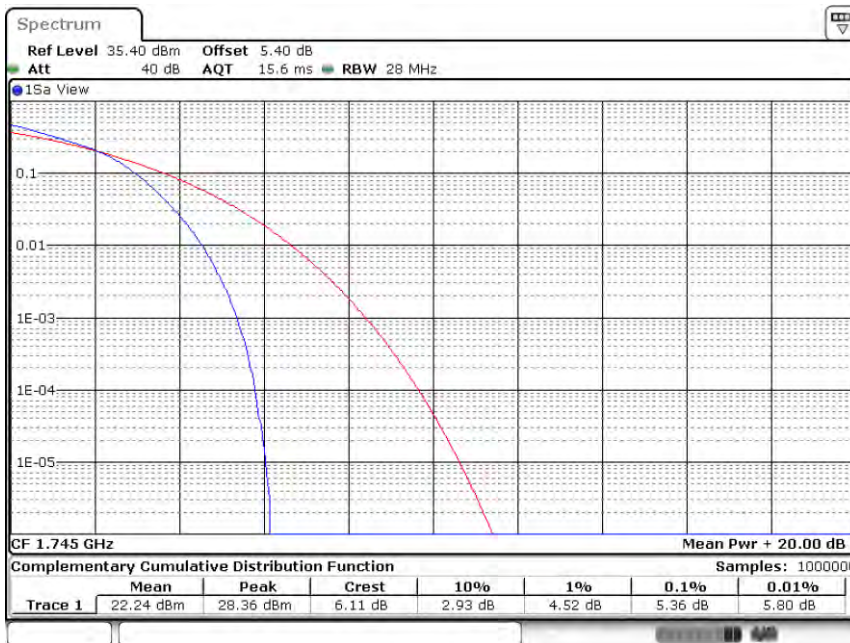


Date: 28. JAN 2021 21:55:40



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.

**Band4-20MHz-16QAM-20300-100RB#0**



Date: 28.JAN.2021 21:56:03

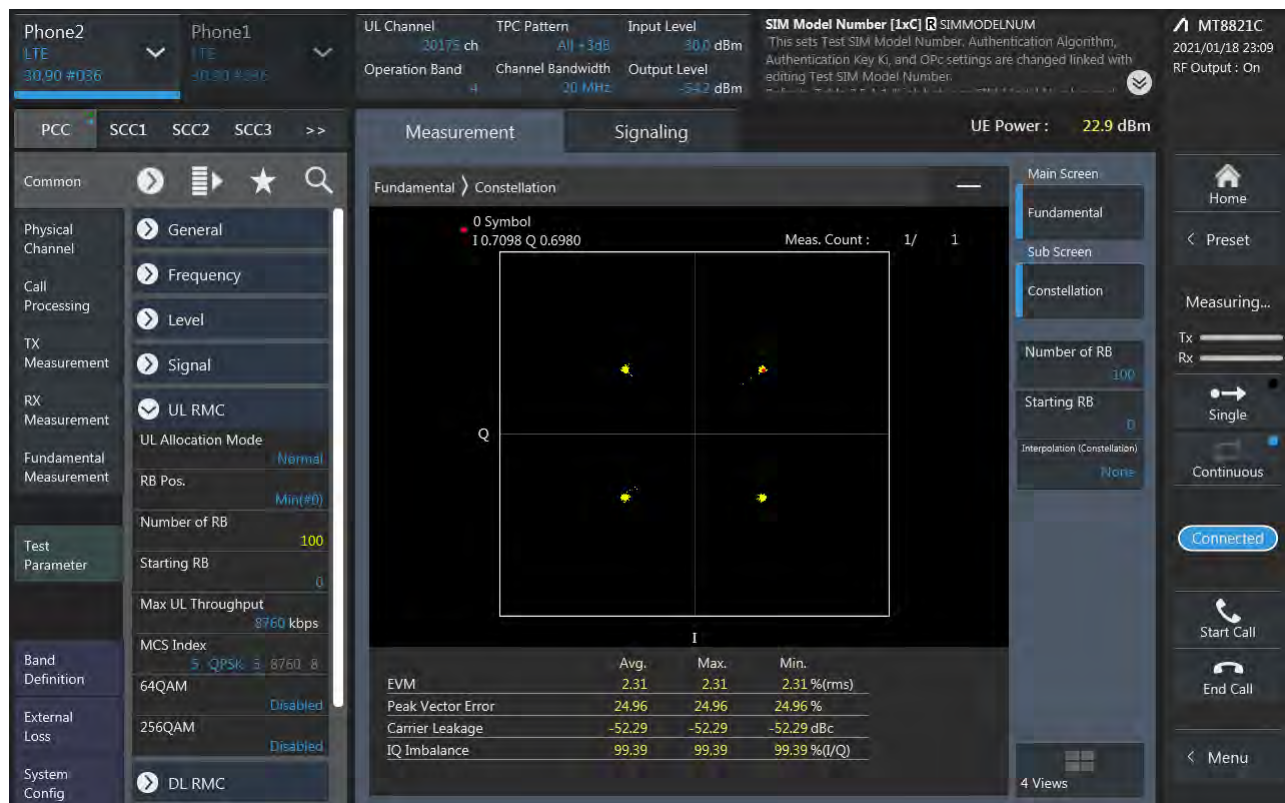


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

### 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.

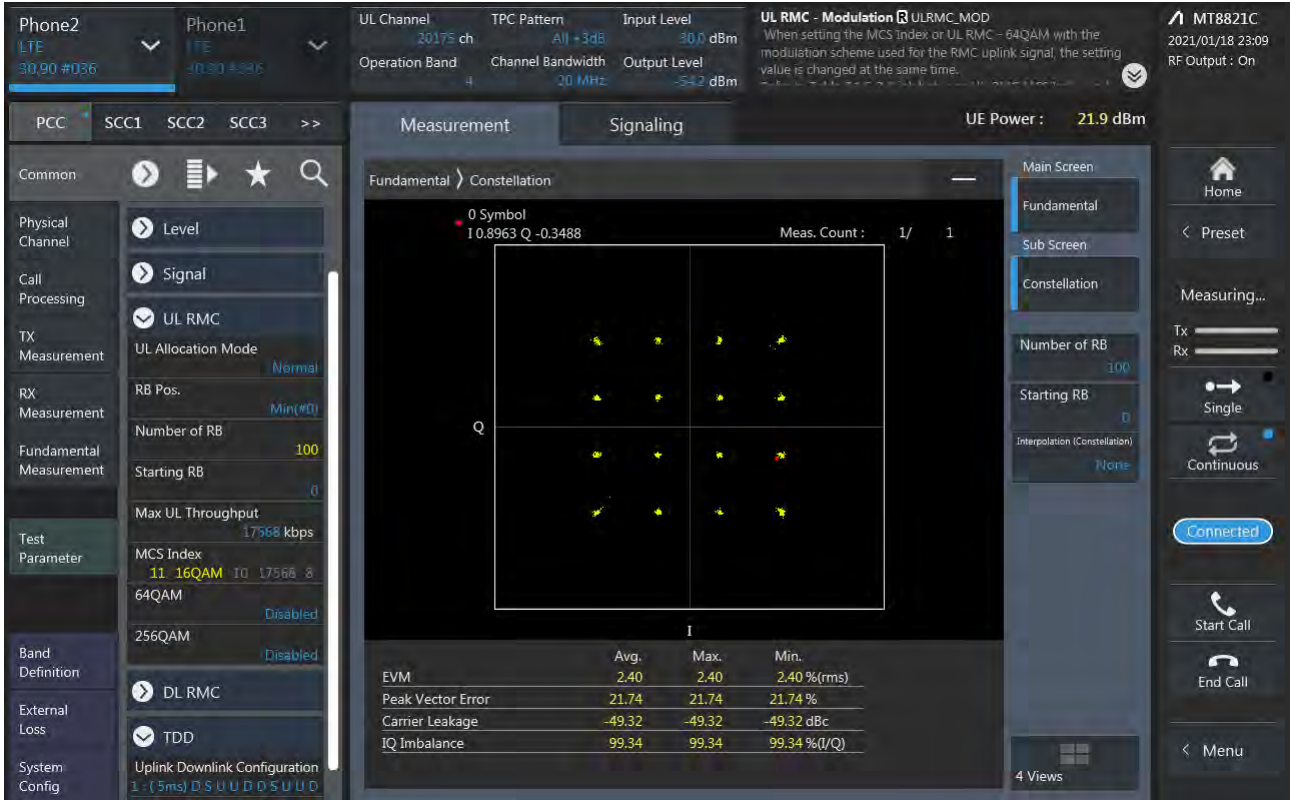
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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



### 3.2. 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](mailto: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
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.302	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.278	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.293	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.703	3.006	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.703	2.988	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	3.006	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.691	2.970	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.910	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	4.970	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.990	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	4.970	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.720	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.740	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.820	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.780	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.760	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.790	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.850	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.400	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.

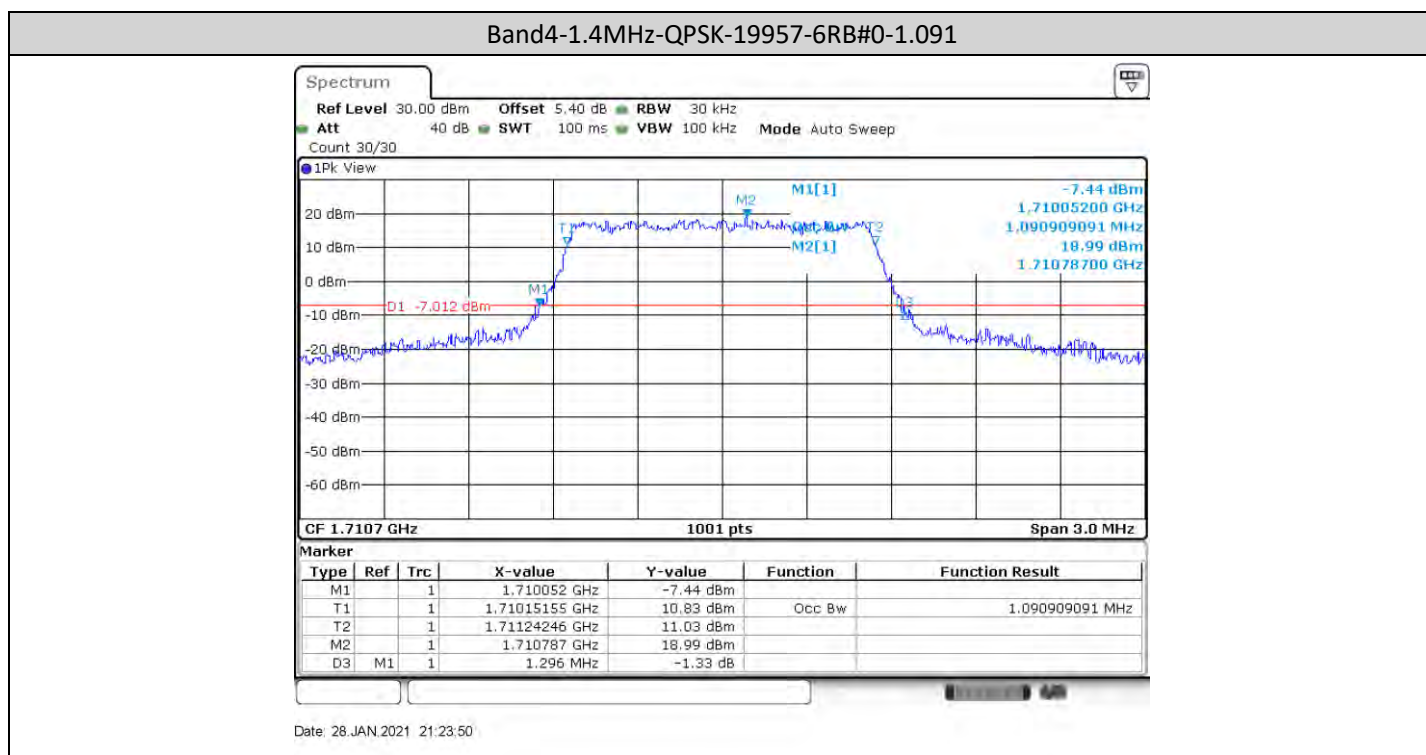
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)





Band4	20MHz	QPSK	20175	100RB#0	17.942	19.640	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.440	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.520	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.480	PASS

## 4.2. Test Plots

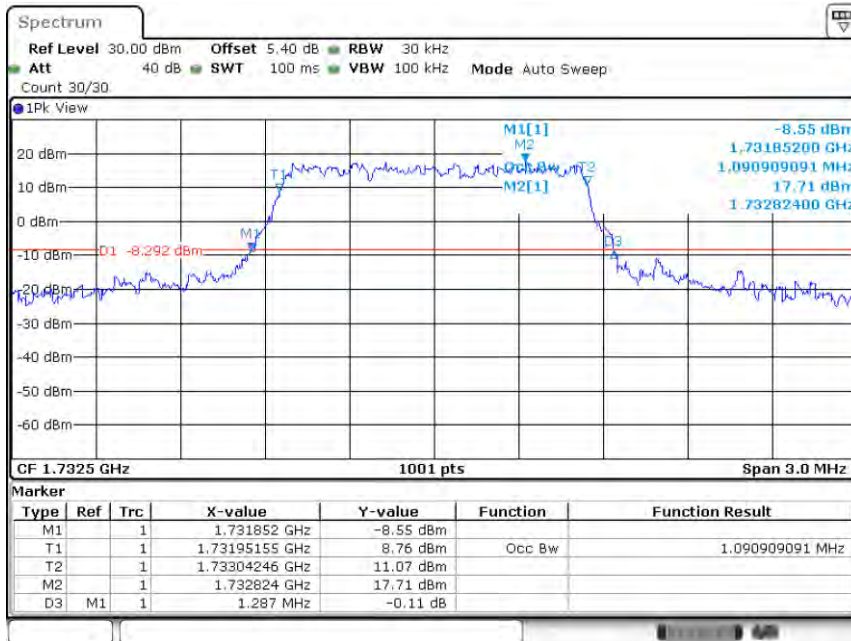


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

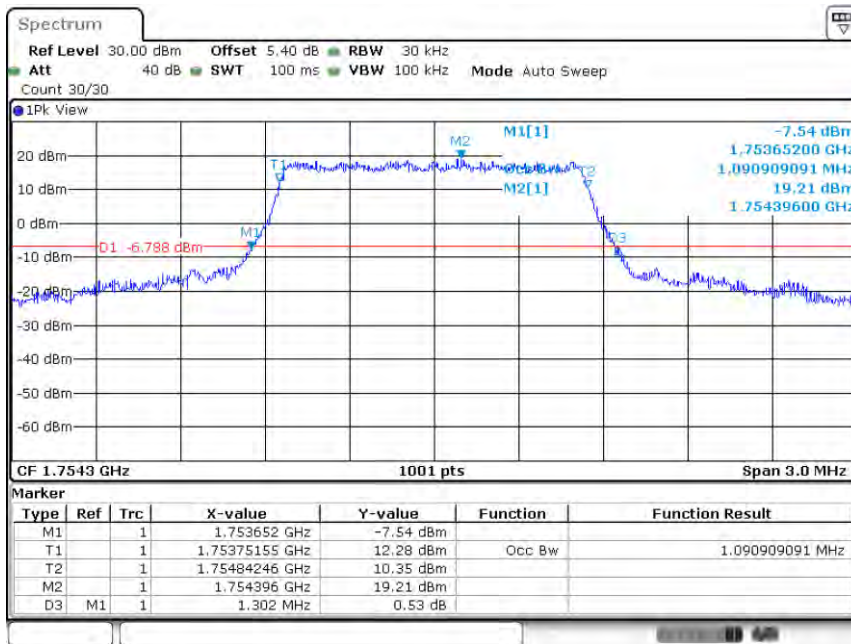
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**Band4-1.4MHz-QPSK-20175-6RB#0-1.091**



Date: 28.JAN.2021 21:24:16

**Band4-1.4MHz-QPSK-20393-6RB#0-1.091**

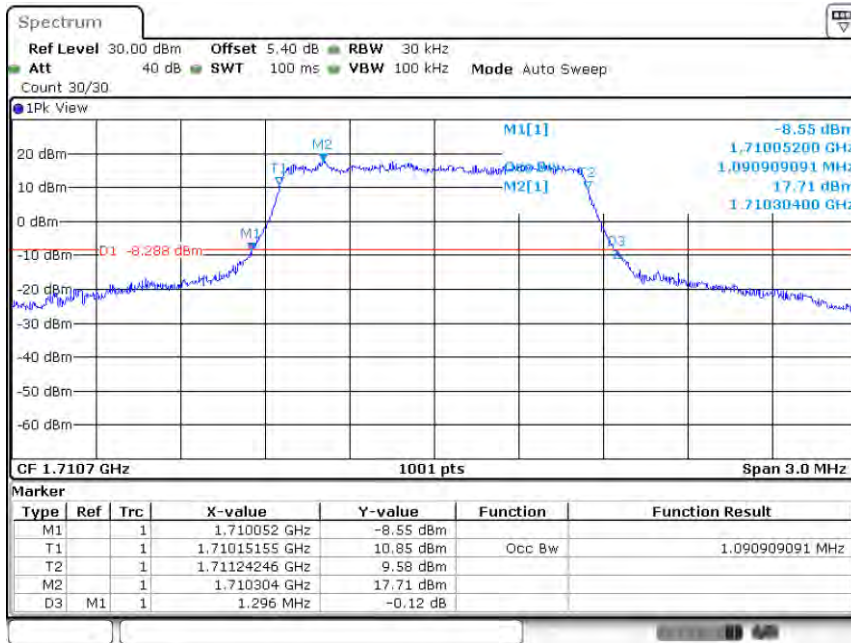


Date: 28.JAN.2021 21:24:42



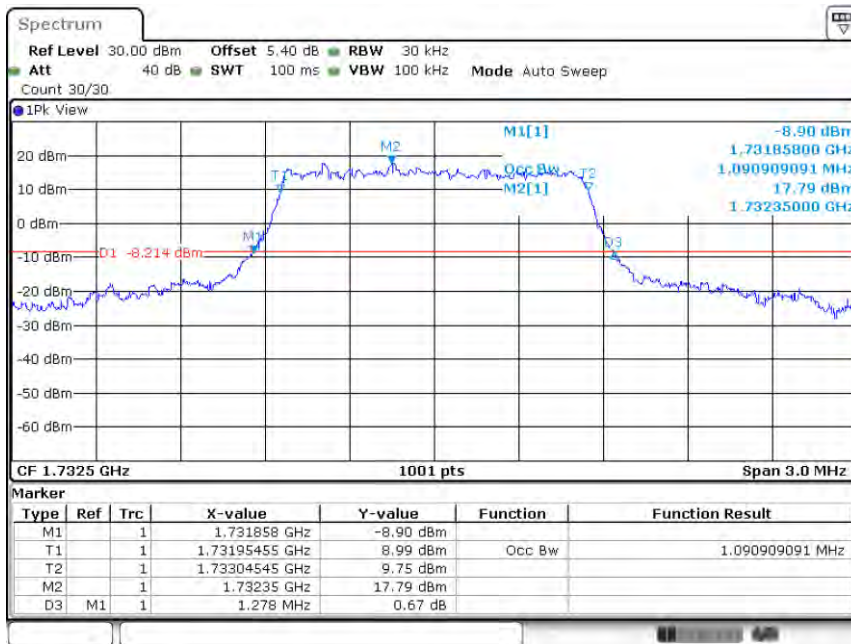
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-1.4MHz-16QAM-19957-6RB#0-1.091**



Date: 28 JAN 2021 21:24:03

**Band4-1.4MHz-16QAM-20175-6RB#0-1.091**

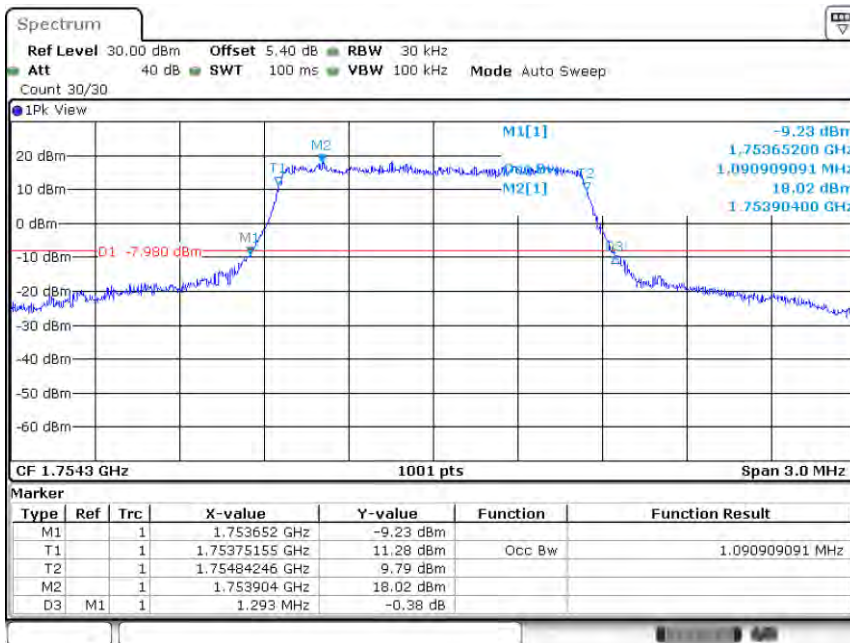


Date: 28 JAN 2021 21:24:29



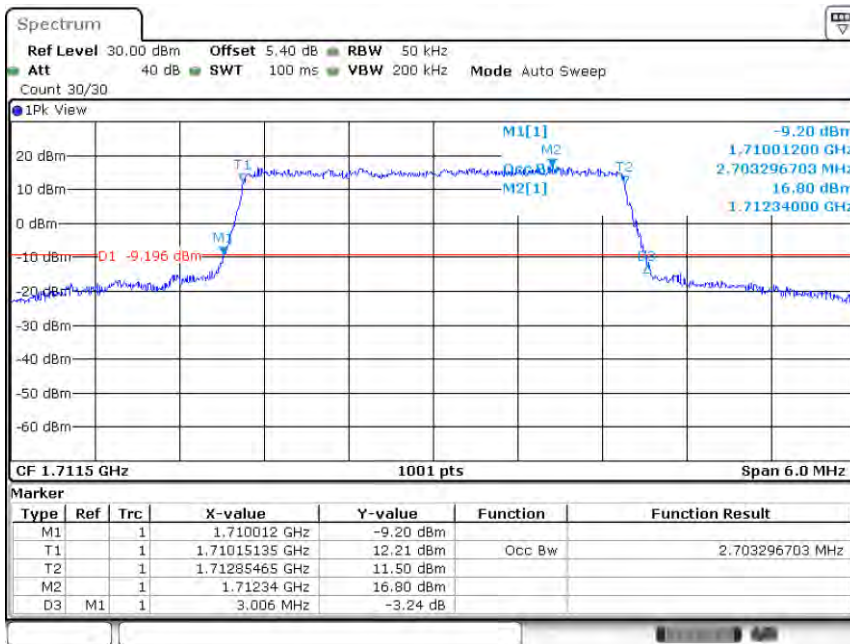
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-1.4MHz-16QAM-20393-6RB#0-1.091**



Date: 28.JAN.2021 21:24:55

**Band4-3MHz-QPSK-19965-15RB#0-2.703**

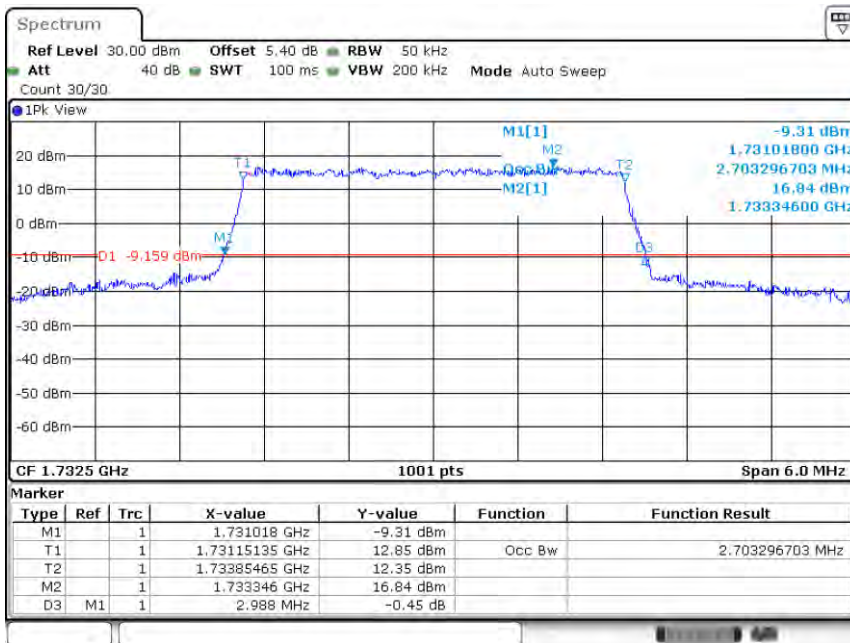


Date: 28.JAN.2021 21:25:12



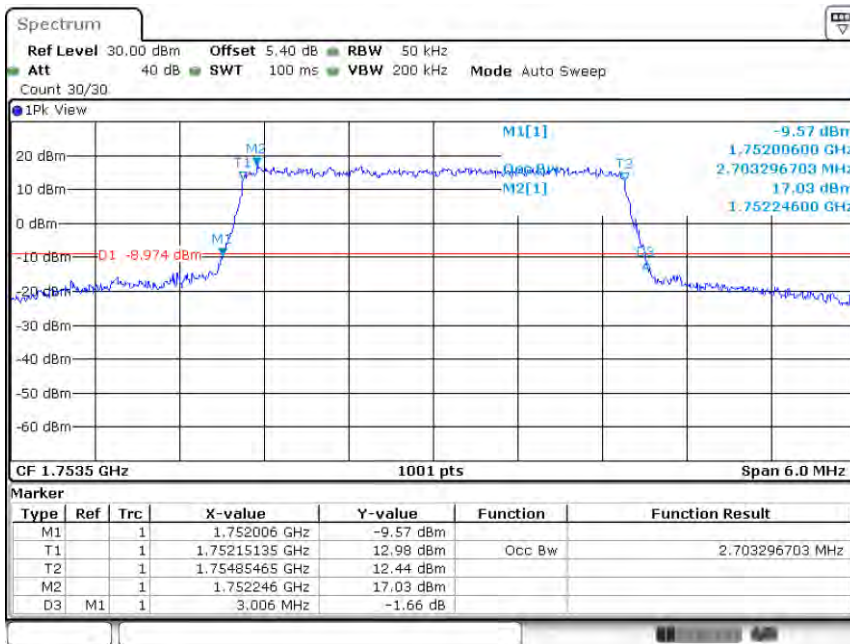
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-3MHz-QPSK-20175-15RB#0-2.703**



Date: 28.JAN.2021 21:25:38

**Band4-3MHz-QPSK-20385-15RB#0-2.703**



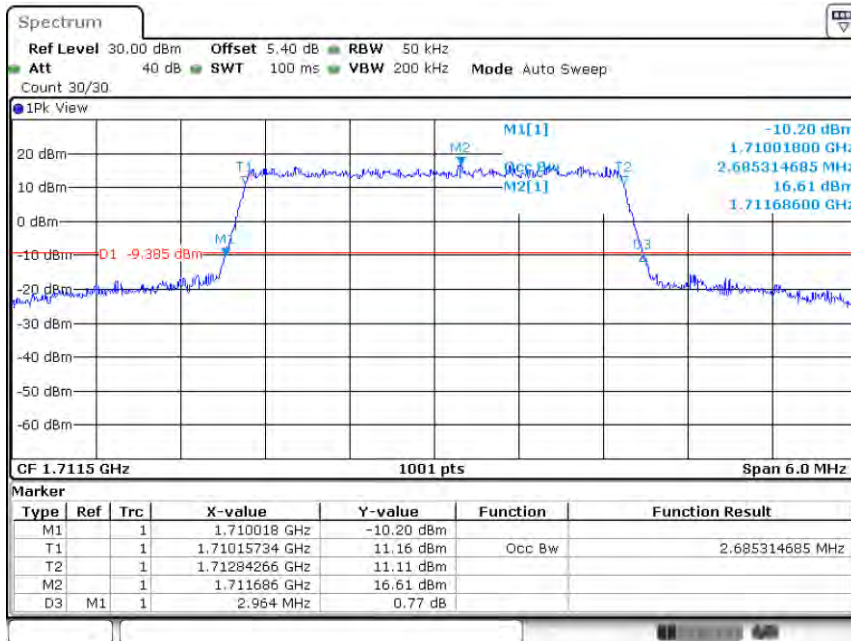
Date: 28.JAN.2021 21:26:04



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.

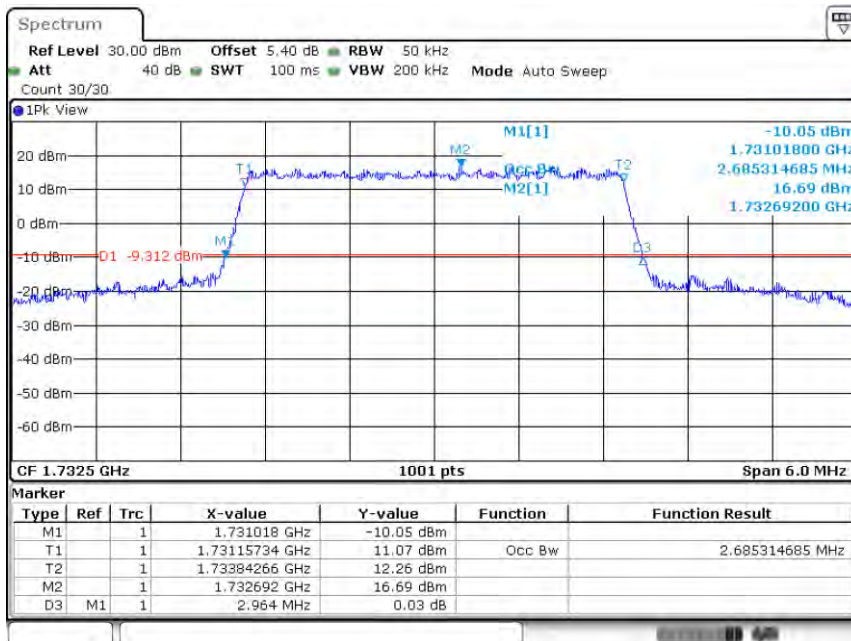


Band4-3MHz-16QAM-19965-15RB#0-2.685



Date: 28.JAN.2021 21:25:25

Band4-3MHz-16QAM-20175-15RB#0-2.685

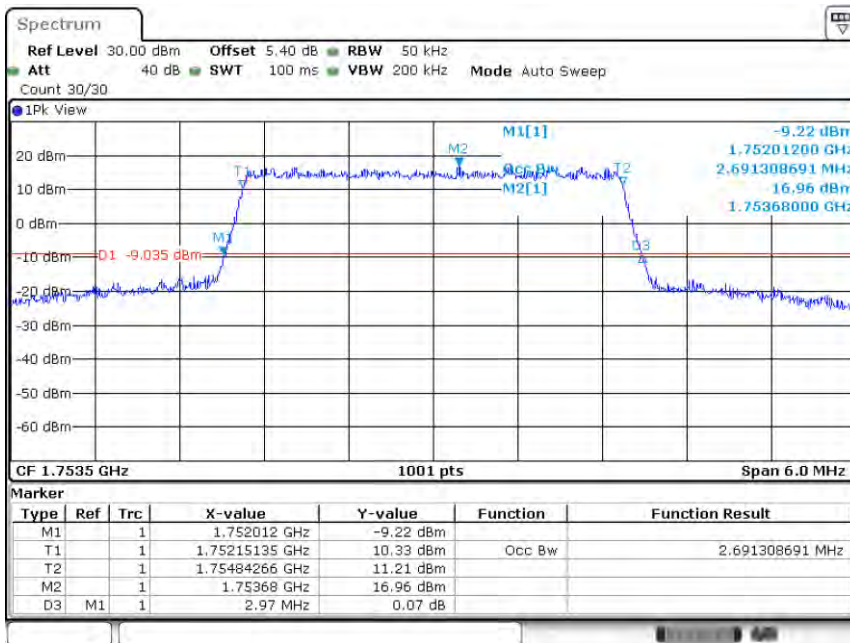


Date: 28.JAN.2021 21:25:51



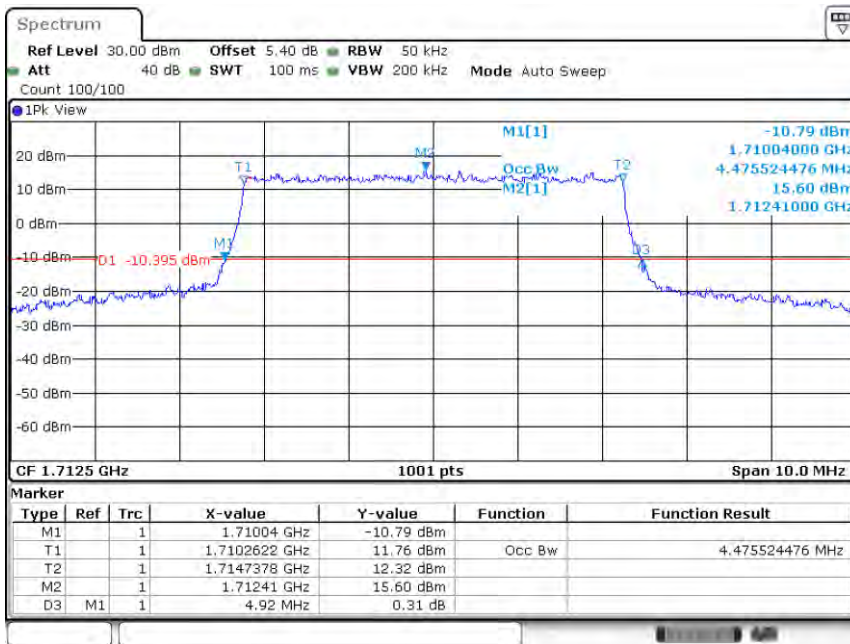
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-3MHz-16QAM-20385-15RB#0-2.691**



Date: 28.JAN.2021 21:26:16

**Band4-5MHz-QPSK-19975-25RB#0-4.476**

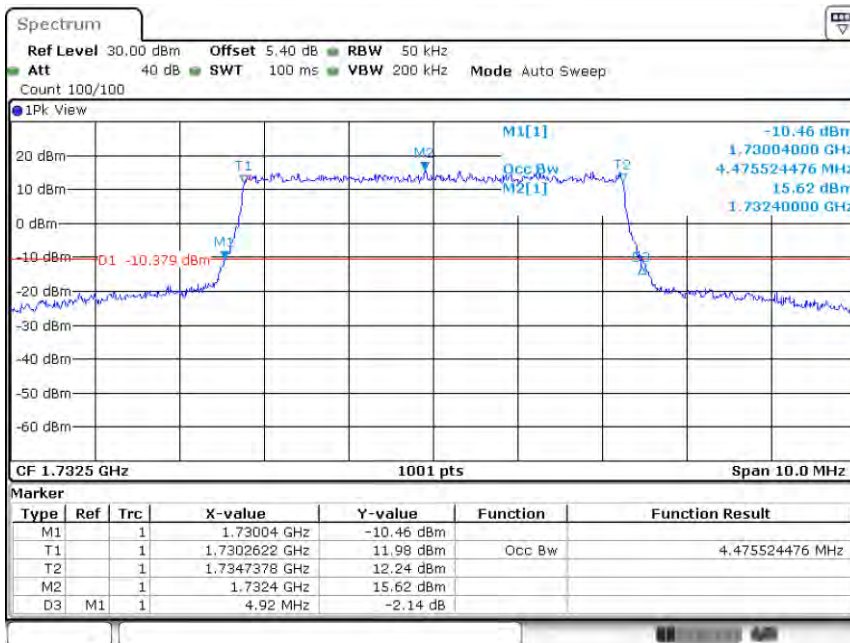


Date: 28.JAN.2021 21:26:41



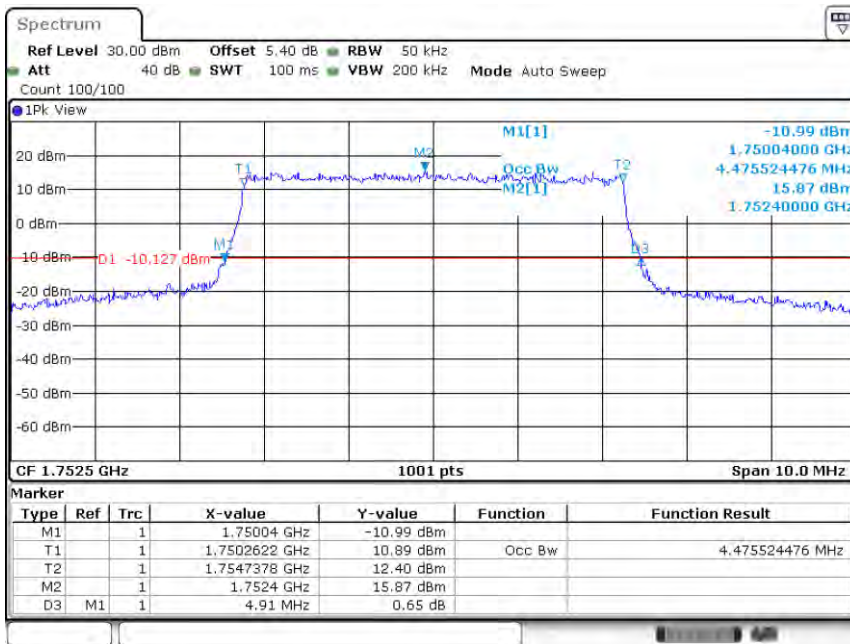
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-5MHz-QPSK-20175-25RB#0-4.476**



Date: 28.JAN.2021 21:27:21

**Band4-5MHz-QPSK-20375-25RB#0-4.476**



Date: 28.JAN.2021 21:28:00

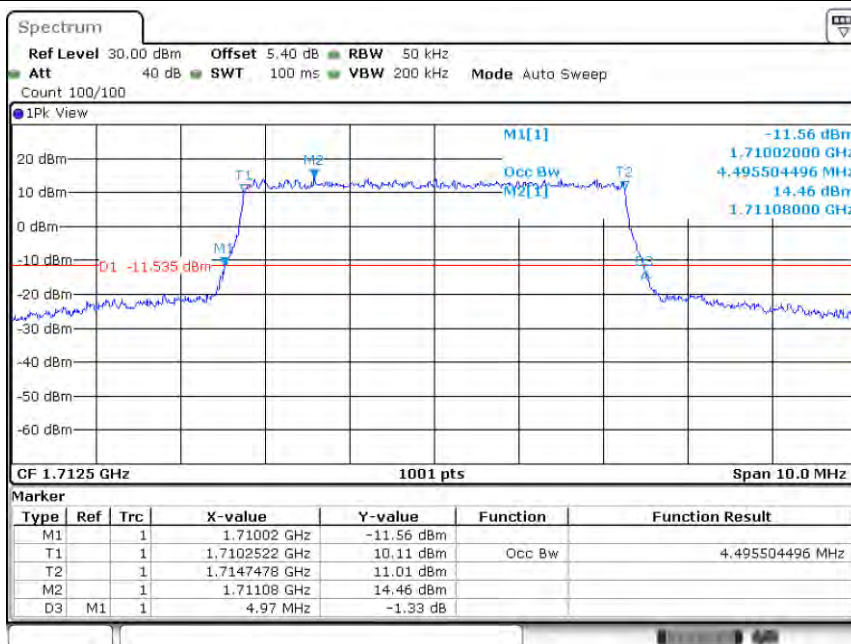


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



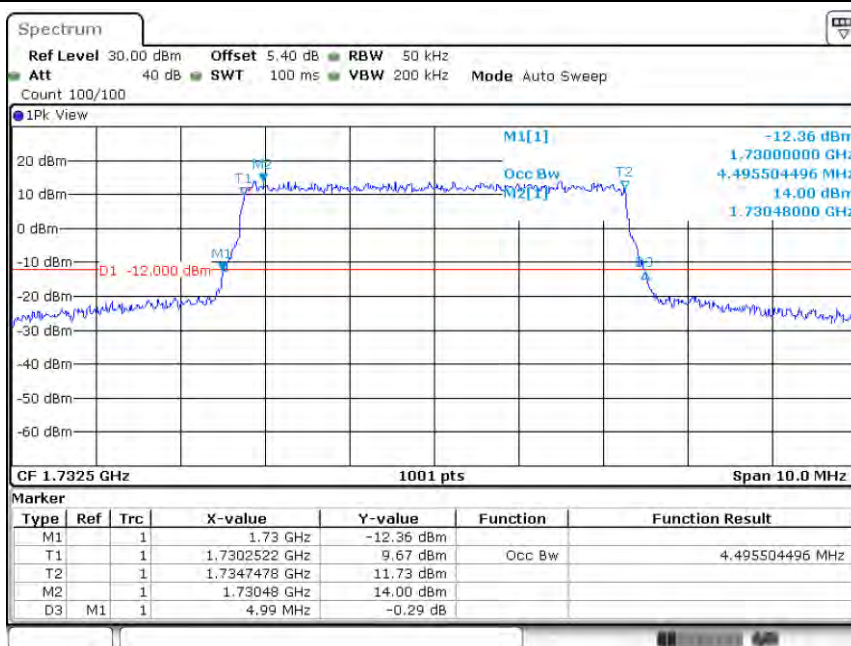


Band4-5MHz-16QAM-19975-25RB#0-4.496



Date: 28.JAN.2021 21:27:01

Band4-5MHz-16QAM-20175-25RB#0-4.496



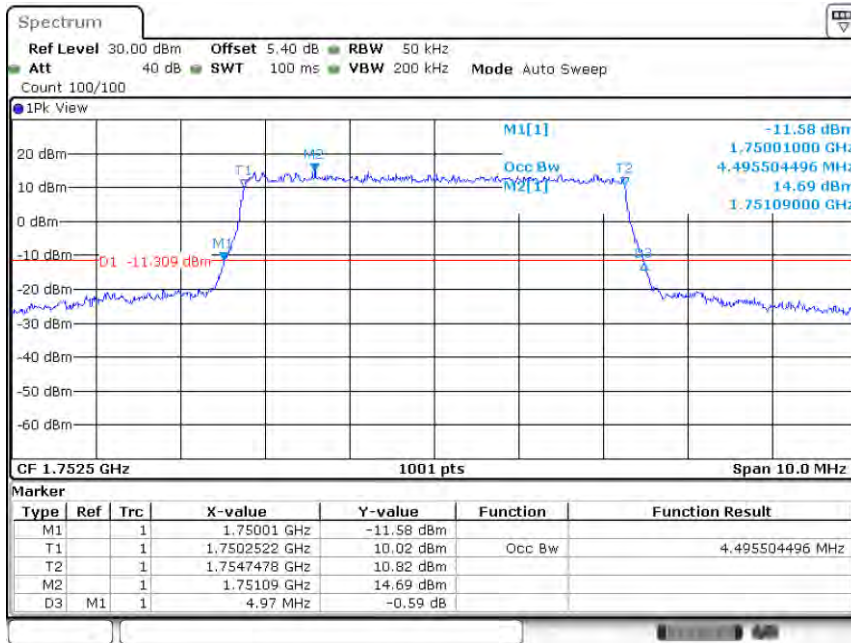
Date: 28.JAN.2021 21:27:40



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.

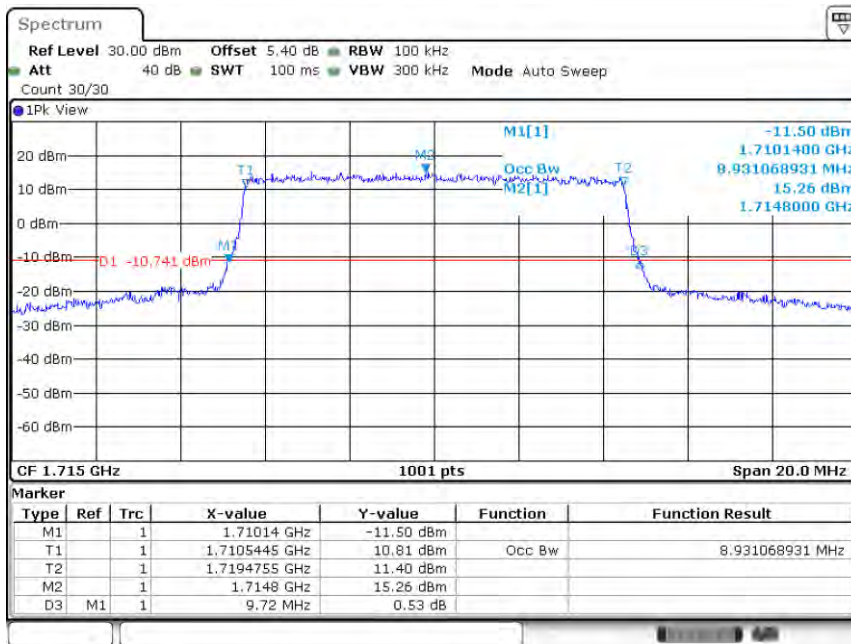


Band4-5MHz-16QAM-20375-25RB#0-4.496



Date: 28 JAN 2021 21:28:20

Band4-10MHz-QPSK-20000-50RB#0-8.931



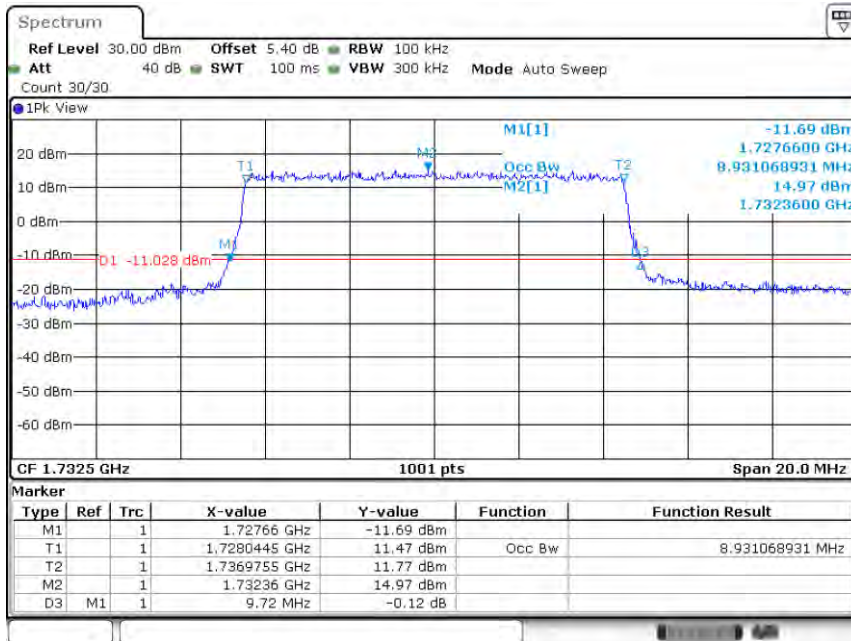
Date: 28 JAN 2021 21:28:38



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

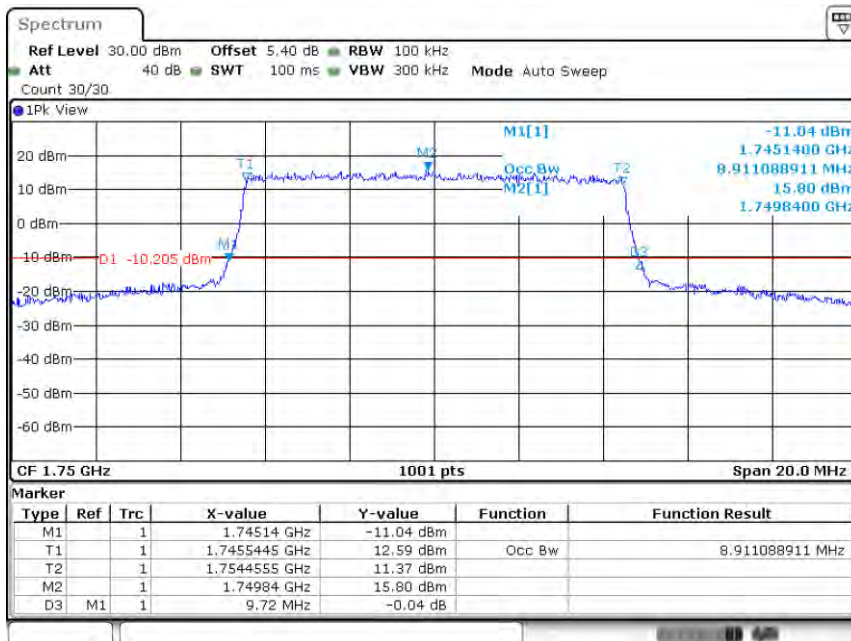


Band4-10MHz-QPSK-20175-50RB#0-8.931



Date: 28.JAN.2021 21:29:04

Band4-10MHz-QPSK-20350-50RB#0-8.911

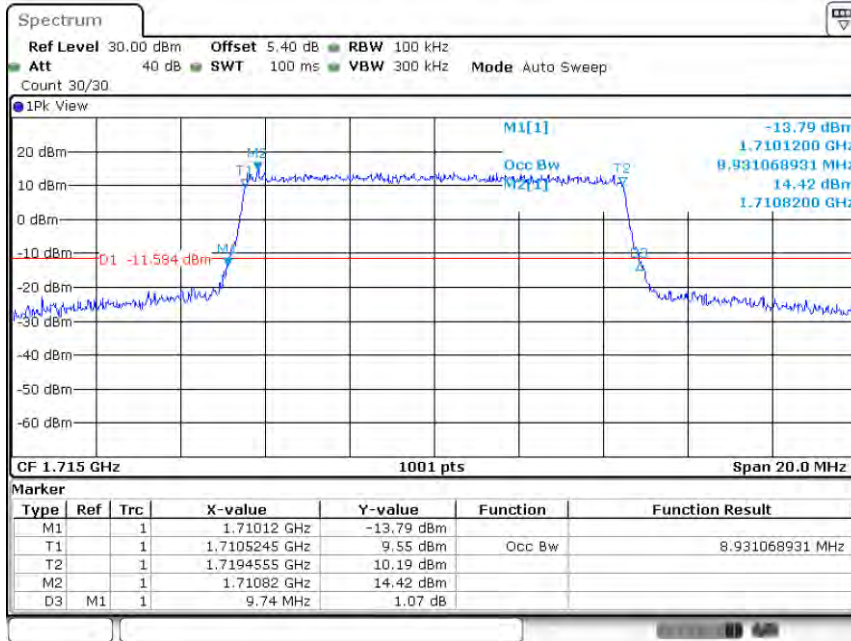


Date: 28.JAN.2021 21:29:31



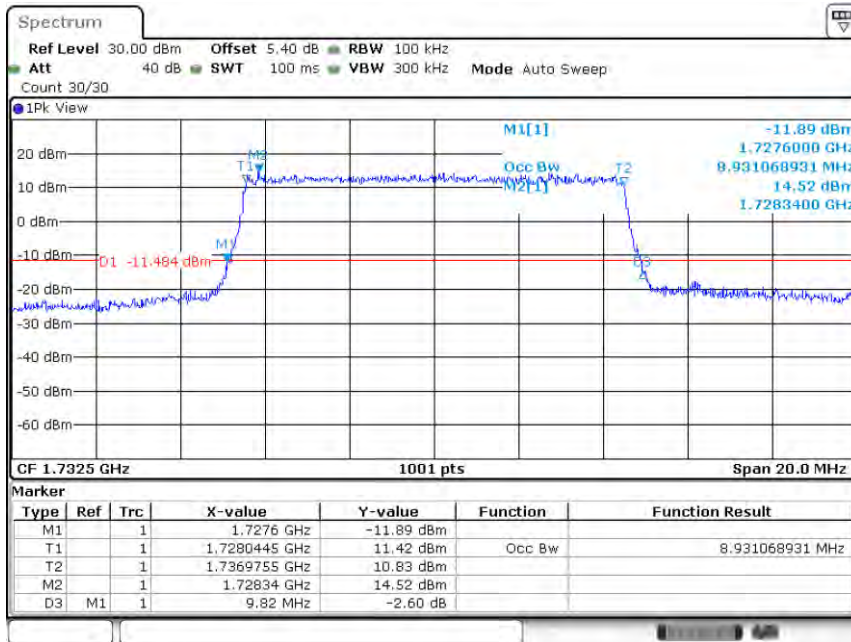
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-10MHz-16QAM-2000-50RB#0-8.931**



Date: 28.JAN.2021 21:28:51

**Band4-10MHz-16QAM-20175-50RB#0-8.931**

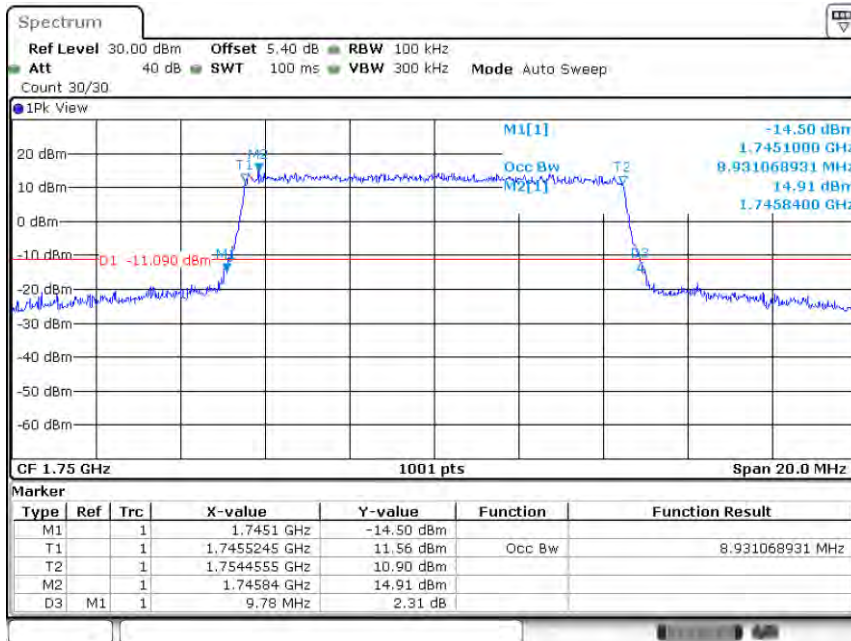


Date: 28.JAN.2021 21:29:16



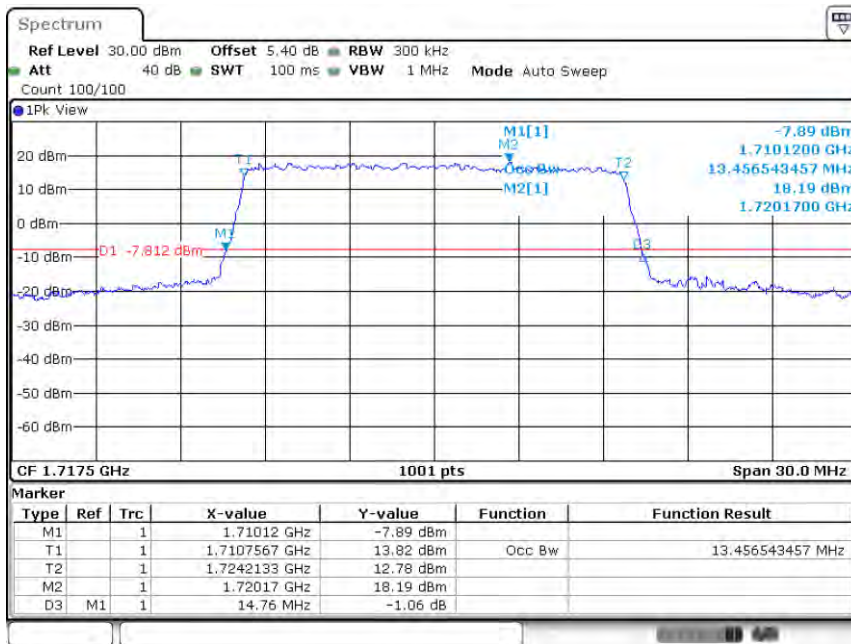
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-10MHz-16QAM-20350-50RB#0-8.931**



Date: 28.JAN.2021 21:29:43

**Band4-15MHz-QPSK-20025-75RB#0-13.457**



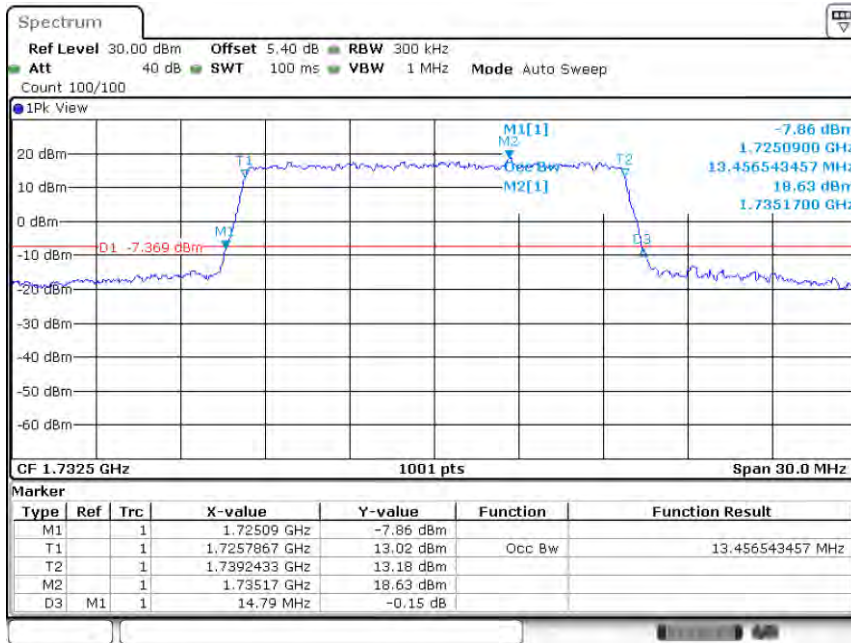
Date: 28.JAN.2021 21:30:08



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

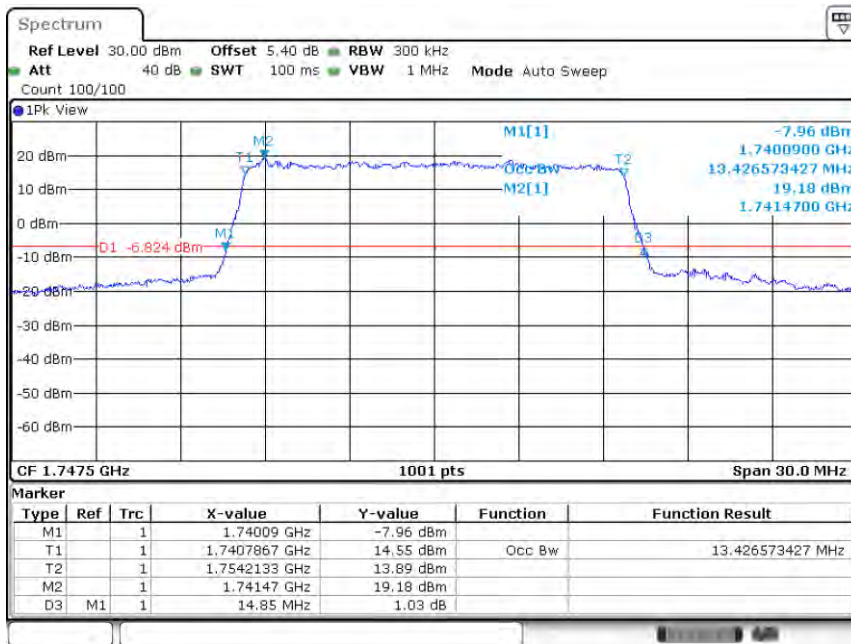


Band4-15MHz-QPSK-20175-75RB#0-13.457



Date: 28.JAN.2021 21:30:48

Band4-15MHz-QPSK-20325-75RB#0-13.427



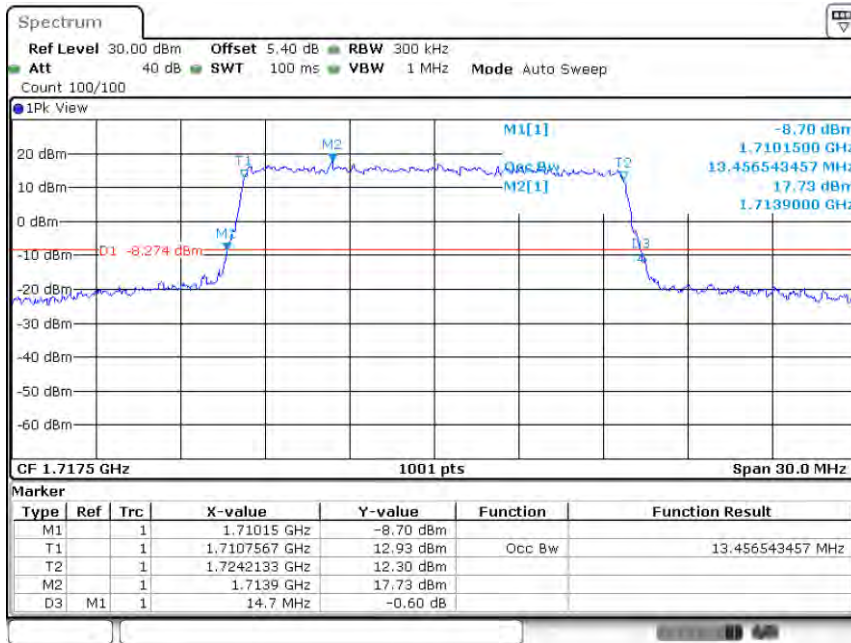
Date: 28.JAN.2021 21:31:29



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.

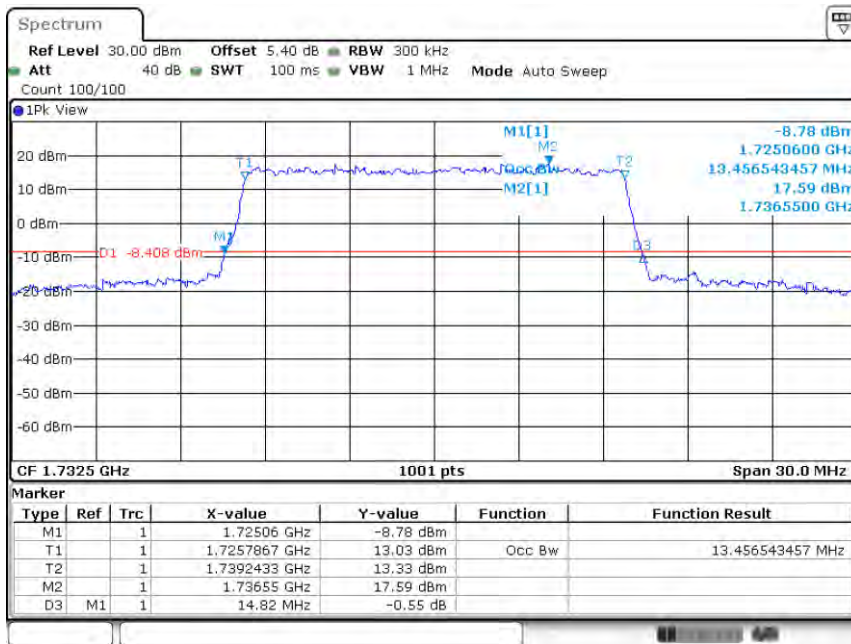


Band4-15MHz-16QAM-20025-75RB#0-13.457



Date: 28.JAN.2021 21:30:28

Band4-15MHz-16QAM-20175-75RB#0-13.457



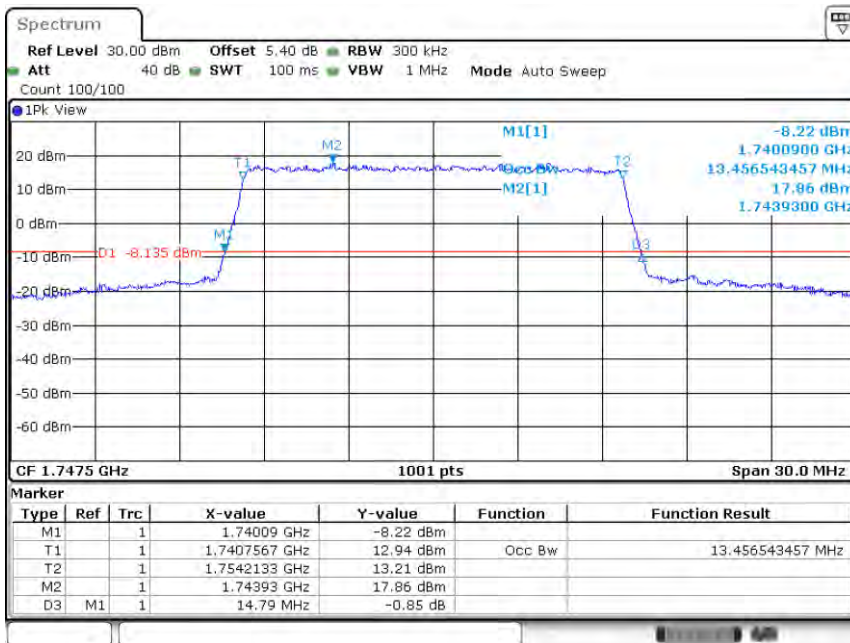
Date: 28.JAN.2021 21:31:09



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.

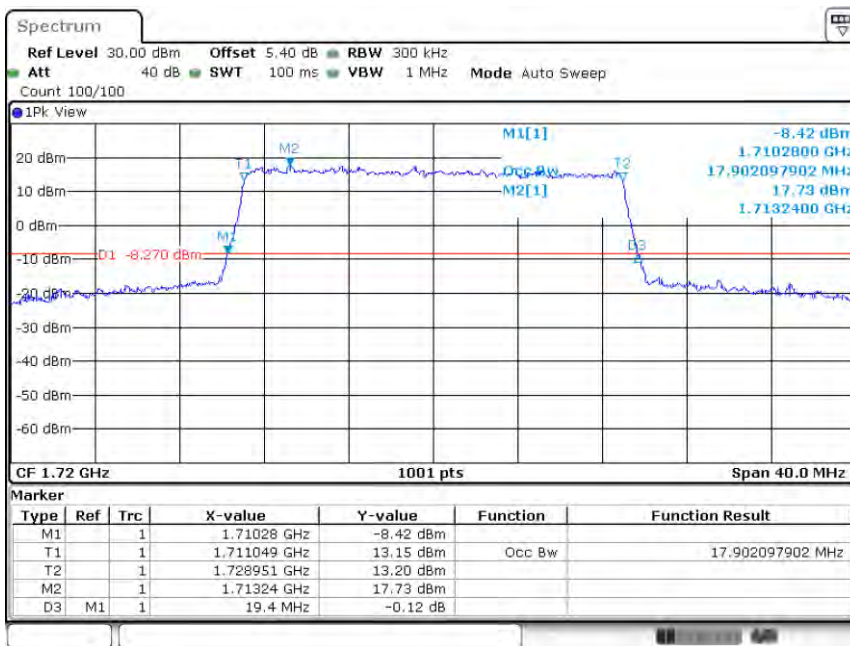


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 28.JAN.2021 21:31:48

Band4-20MHz-QPSK-20050-100RB#0-17.902



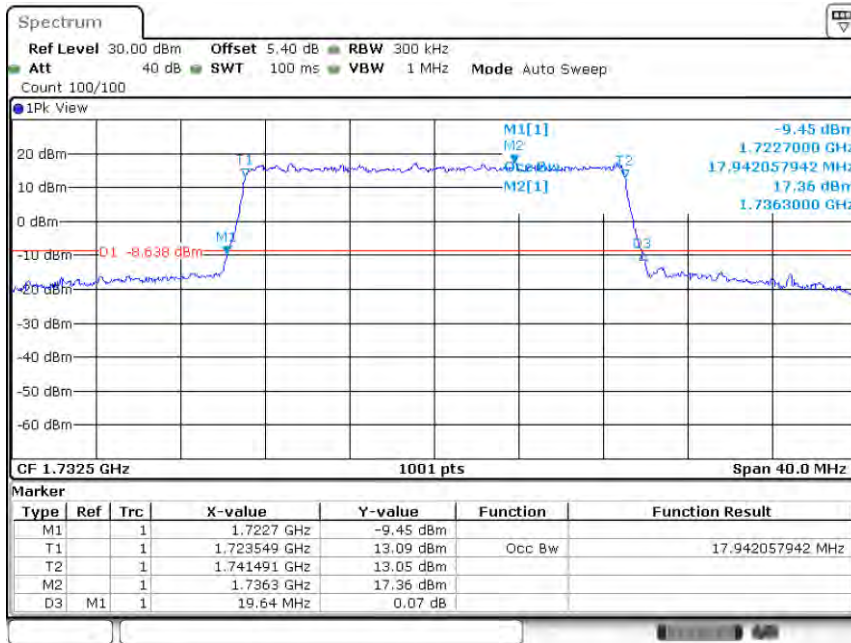
Date: 28.JAN.2021 21:32:13



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

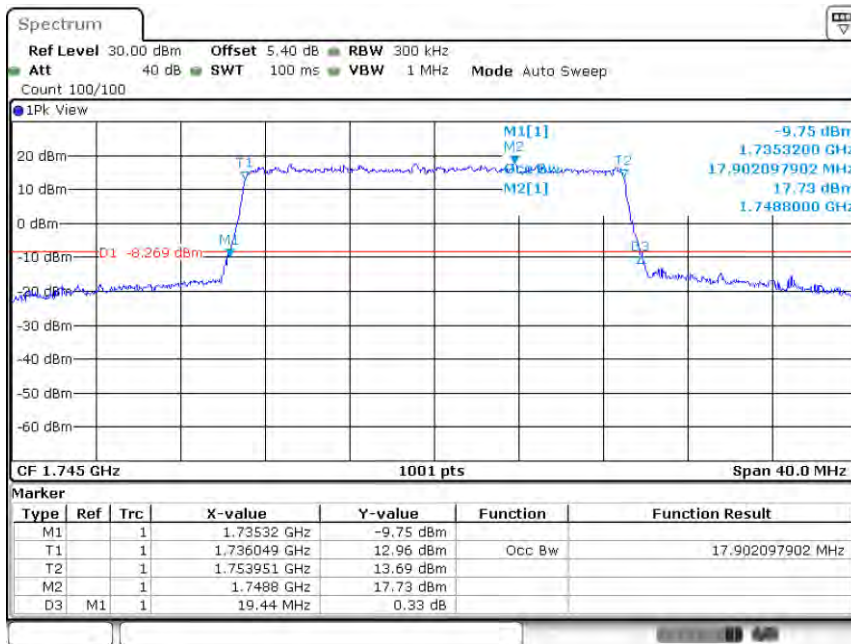


**Band4-20MHz-QPSK-20175-100RB#0-17.942**



Date: 28.JAN.2021 21:32:53

**Band4-20MHz-QPSK-20300-100RB#0-17.902**

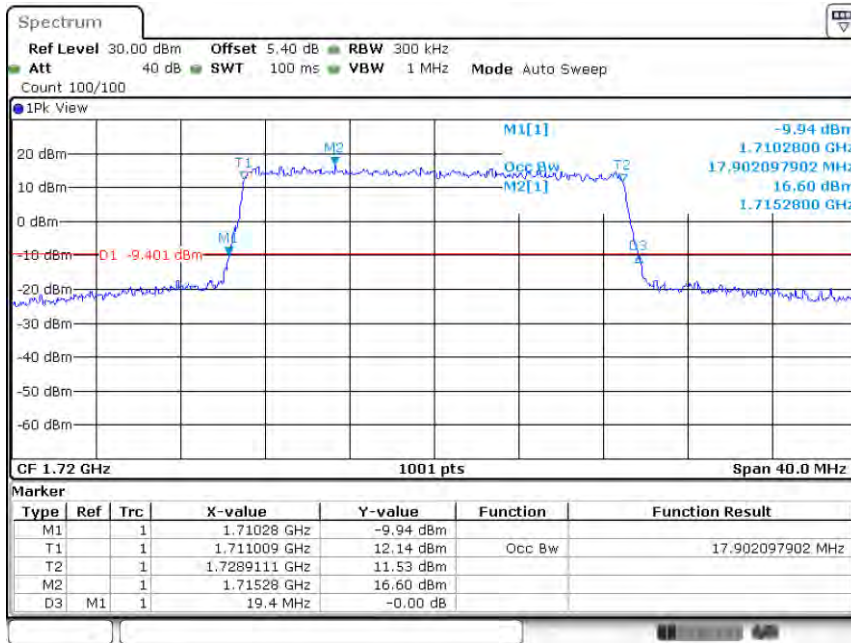


Date: 28.JAN.2021 21:33:32



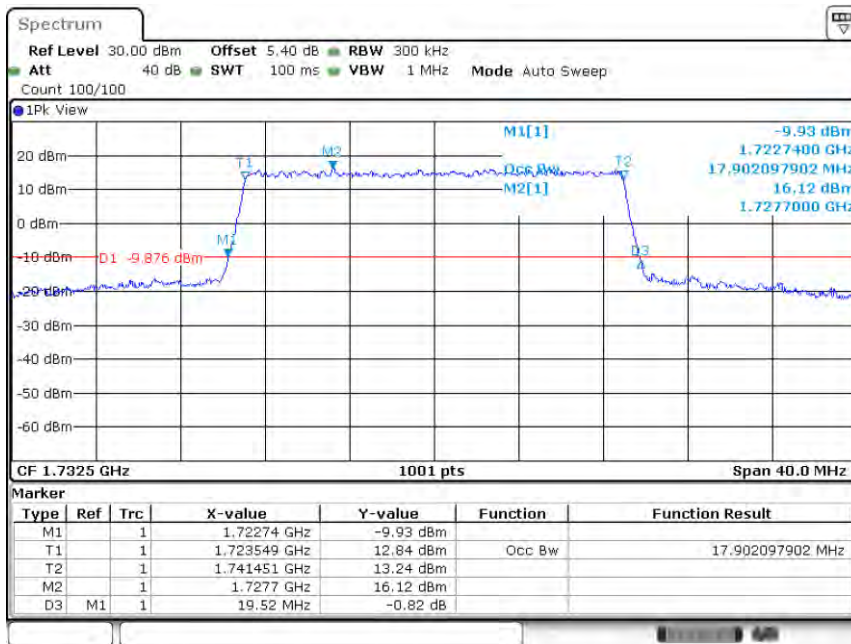
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-20MHz-16QAM-20050-100RB#0-17.902**



Date: 28.JAN.2021 21:32:33

**Band4-20MHz-16QAM-20175-100RB#0-17.902**

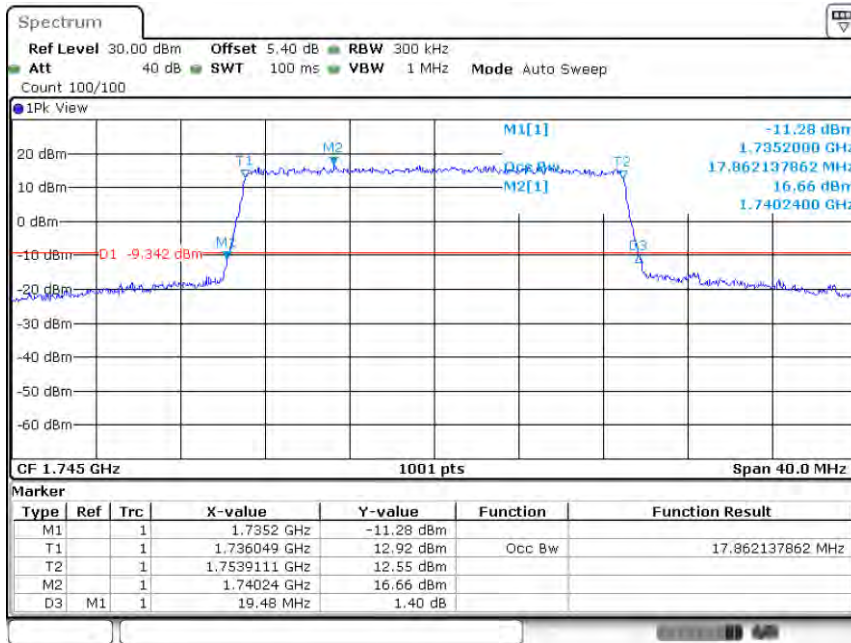


Date: 28.JAN.2021 21:33:12



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

**Band4-20MHz-16QAM-20300-100RB#0-17.862**



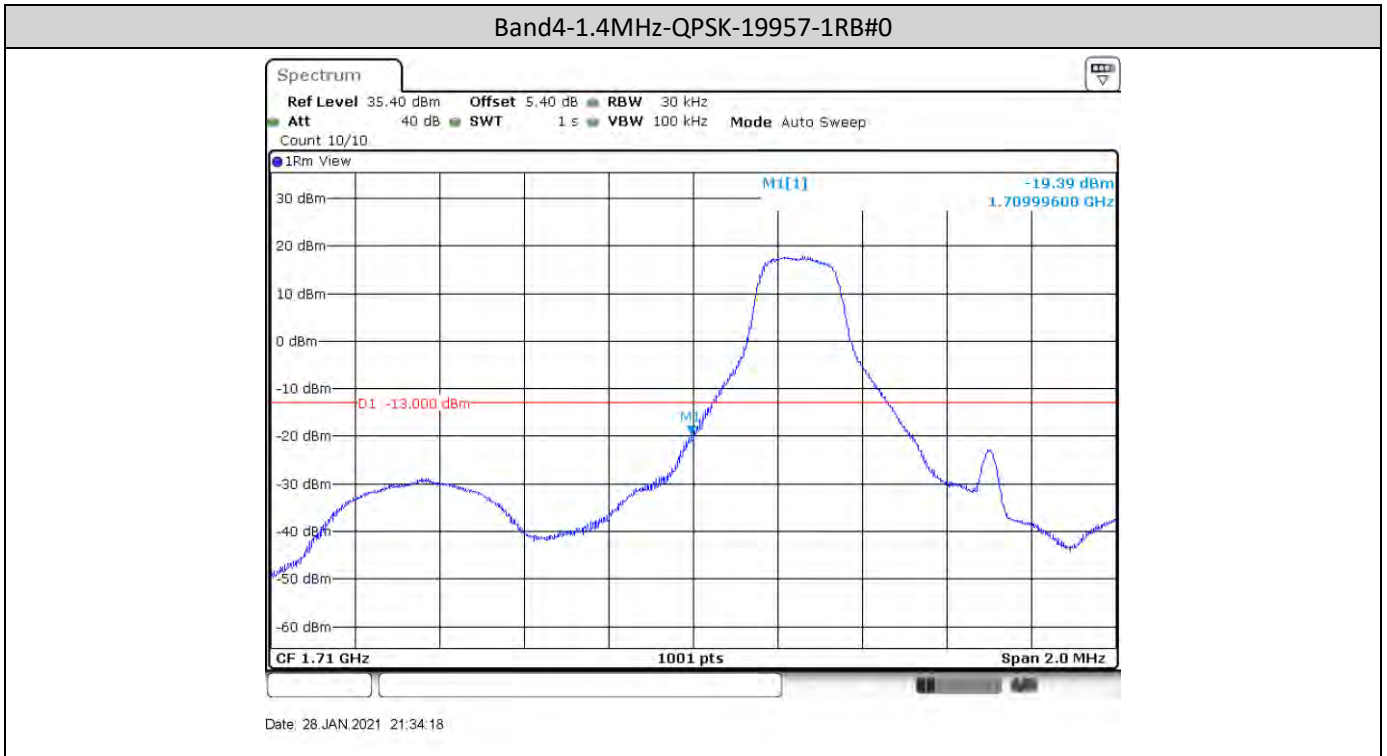
Date 28.JAN.2021 21:33:52



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

## 5. Band Edge Compliance

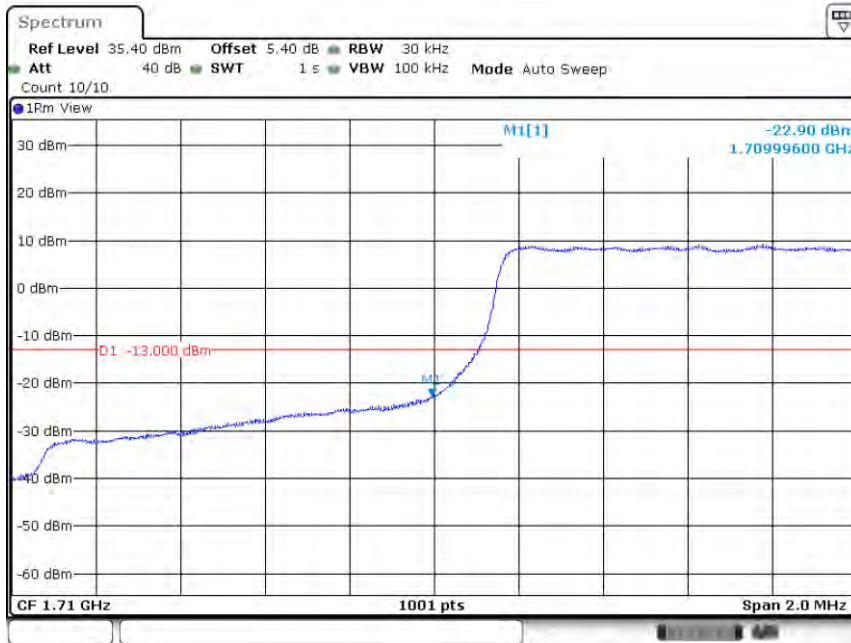
### 5.1. Test Plots



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

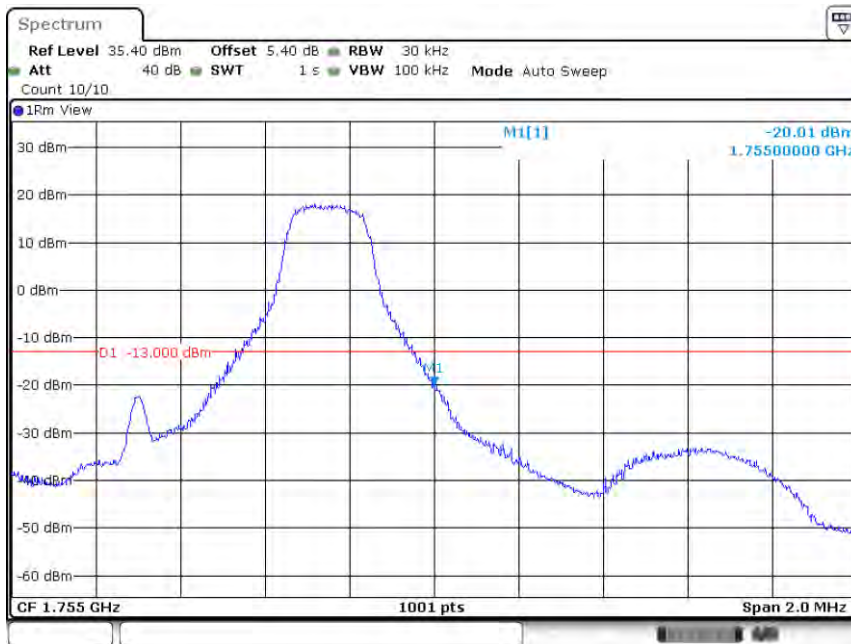
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-1.4MHz-QPSK-19957-6RB#0**



Date: 28 JAN 2021 21:34:59

**Band4-1.4MHz-QPSK-20393-1RB#5**

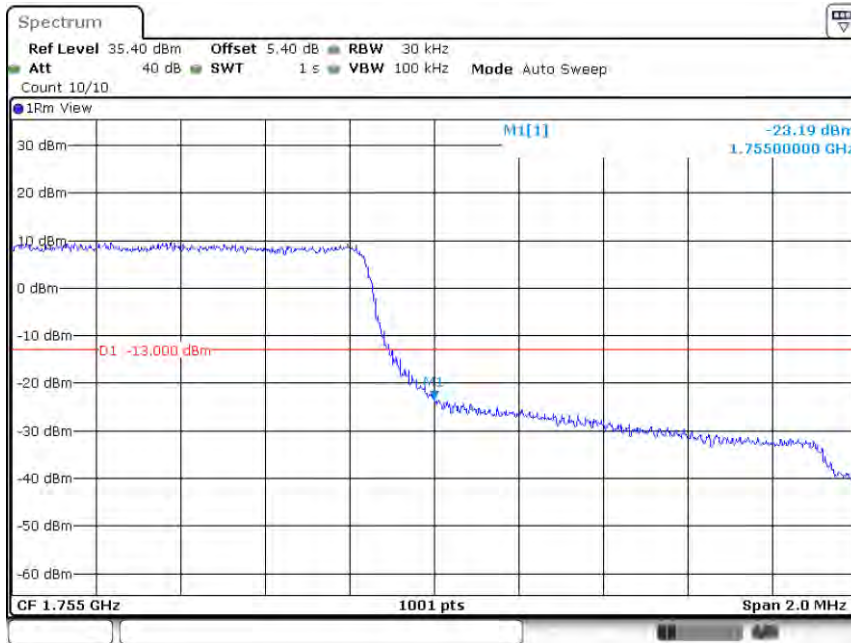


Date: 28 JAN 2021 21:35:44



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

**Band4-1.4MHz-QPSK-20393-6RB#0**



Date: 28 JAN 2021 21:36:26

**Band4-1.4MHz-16QAM-19957-1RB#0**



Date: 28 JAN 2021 21:34:38



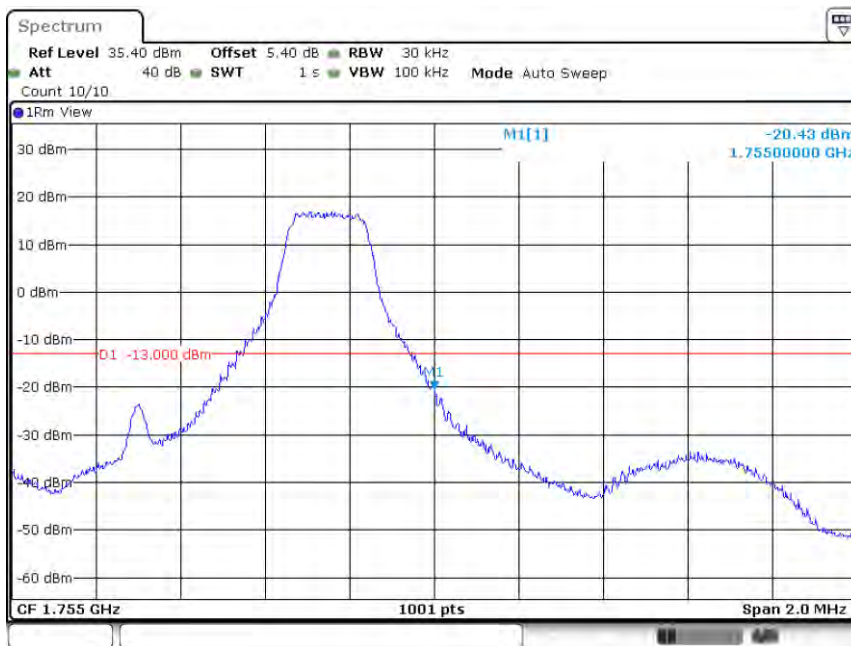
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-1.4MHz-16QAM-19957-6RB#0**



Date: 28 JAN 2021 21:35:19

**Band4-1.4MHz-16QAM-20393-1RB#5**



Date: 28 JAN 2021 21:36:05



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

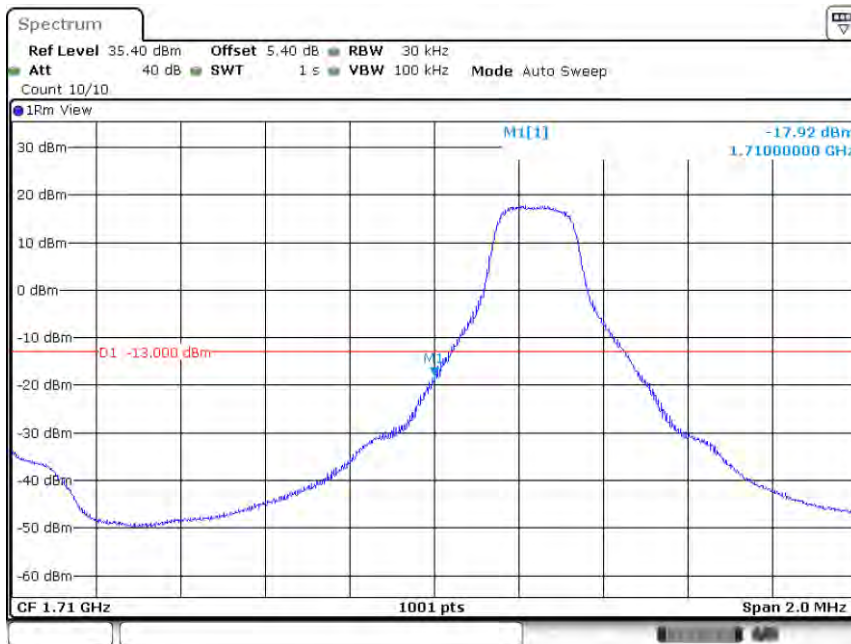
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-1.4MHz-16QAM-20393-6RB#0**



Date: 28 JAN 2021 21:36:46

**Band4-3MHz-QPSK-19965-1RB#0**



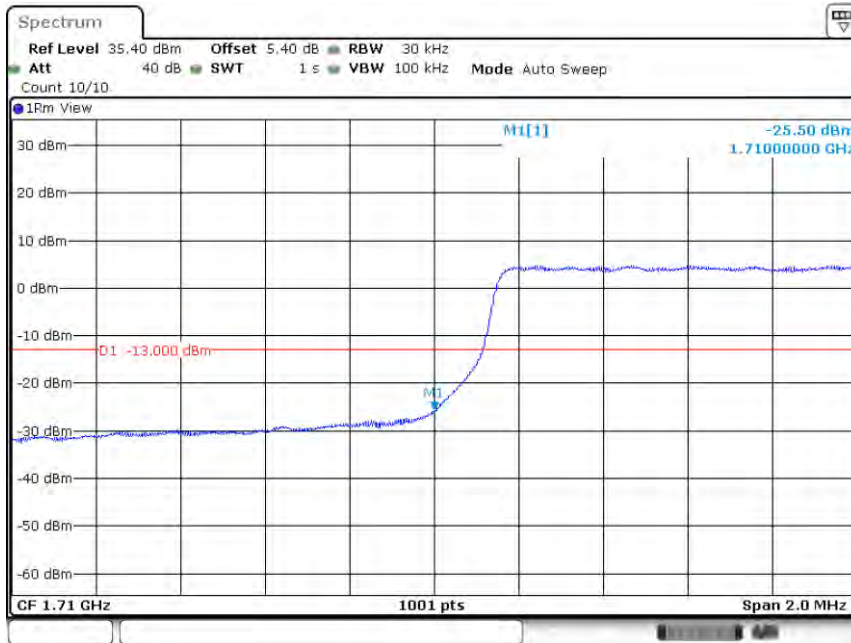
Date: 28 JAN 2021 21:37:12



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

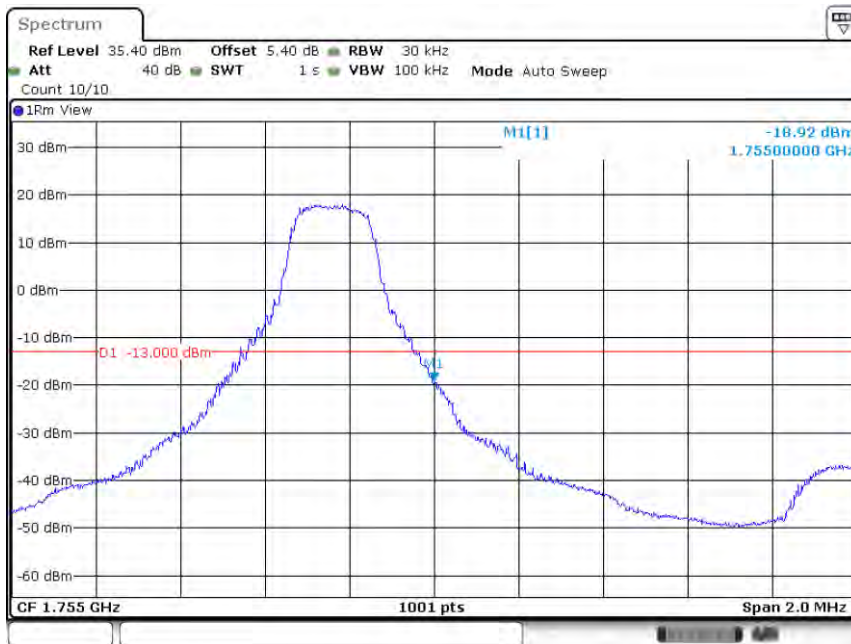


**Band4-3MHz-QPSK-19965-15RB#0**



Date: 28 JAN 2021 21:37:53

**Band4-3MHz-QPSK-20385-1RB#14**

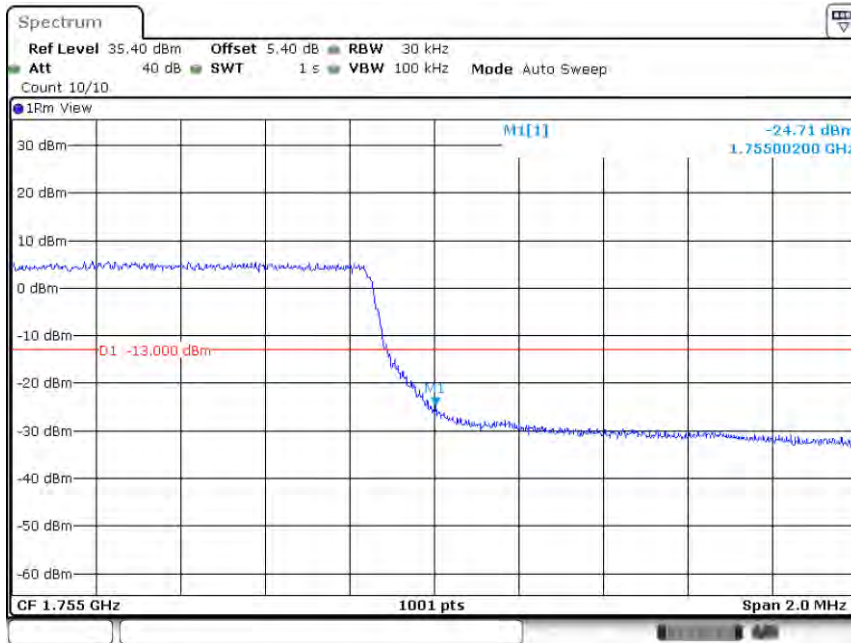


Date: 28 JAN 2021 21:38:38



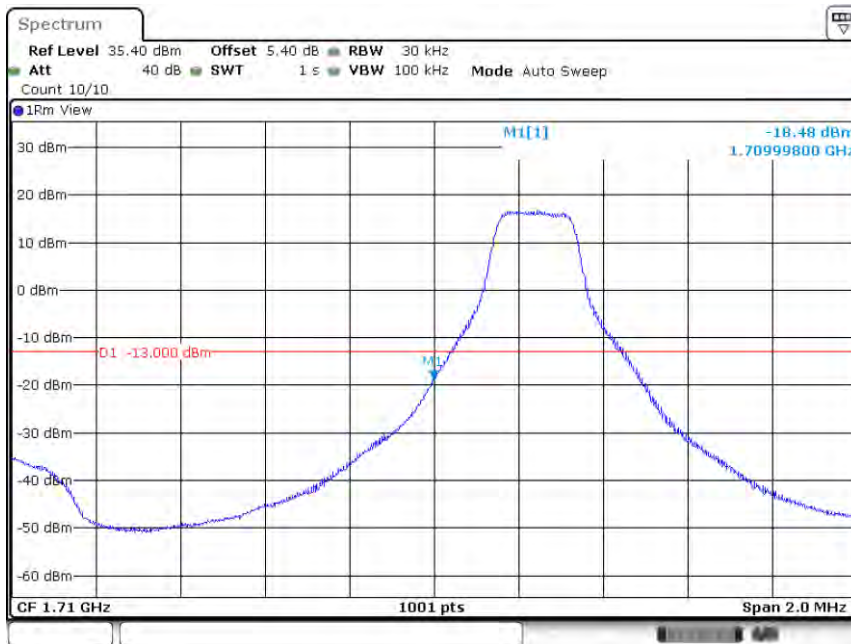
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-3MHz-QPSK-20385-15RB#0**



Date: 28 JAN 2021 21:39:19

**Band4-3MHz-16QAM-19965-1RB#0**



Date: 28 JAN 2021 21:37:32



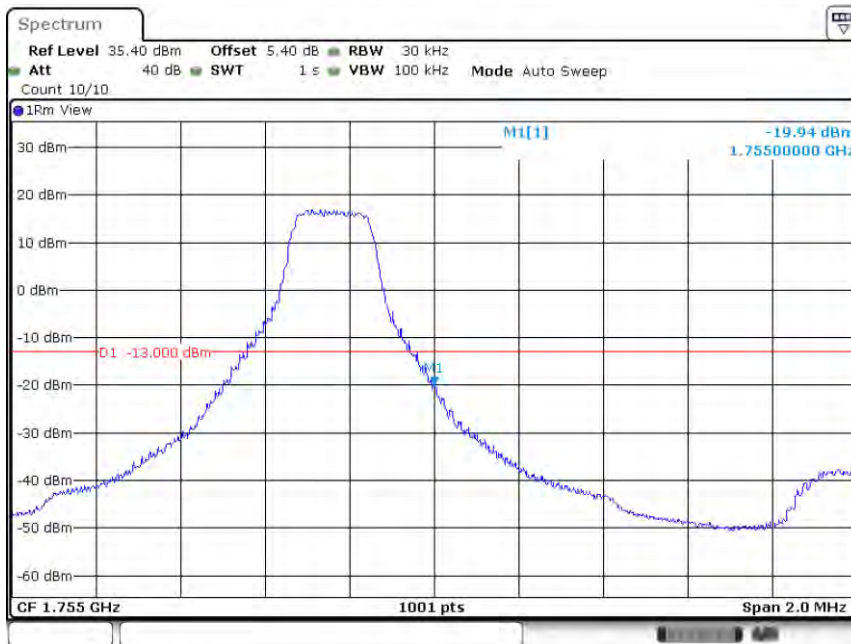
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-3MHz-16QAM-19965-15RB#0**



Date: 28 JAN 2021 21:38:13

**Band4-3MHz-16QAM-20385-1RB#14**



Date: 28 JAN 2021 21:38:59



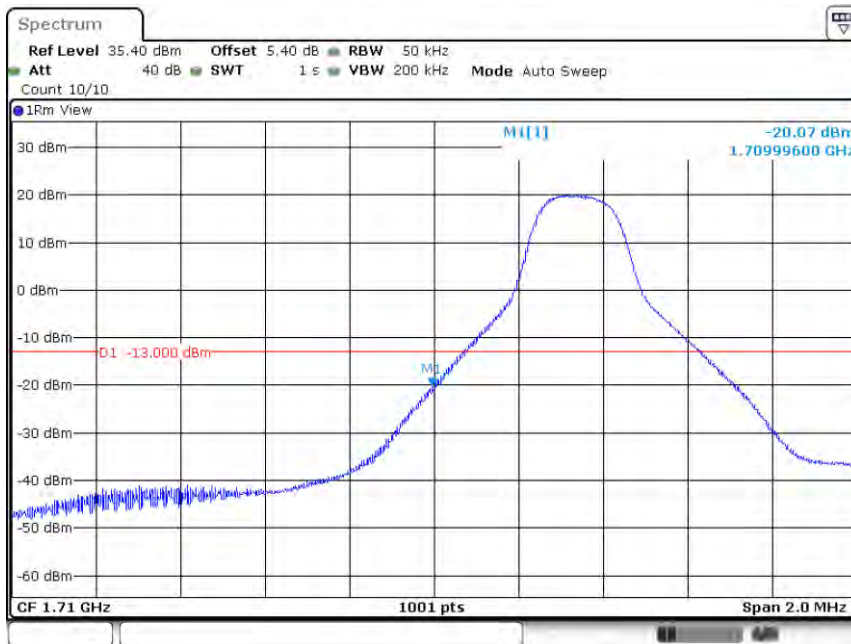
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-3MHz-16QAM-20385-15RB#0**



Date: 28 JAN 2021 21:39:40

**Band4-5MHz-QPSK-19975-1RB#0**



Date: 28 JAN 2021 21:40:06



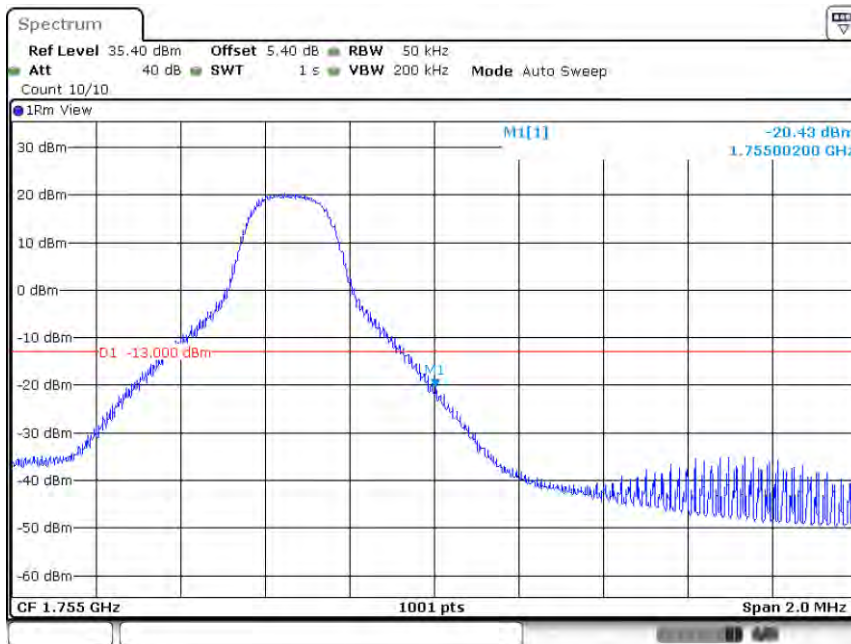
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-5MHz-QPSK-19975-25RB#0**



Date: 28 JAN 2021 21:40:47

**Band4-5MHz-QPSK-20375-1RB#24**



Date: 28 JAN 2021 21:41:32



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

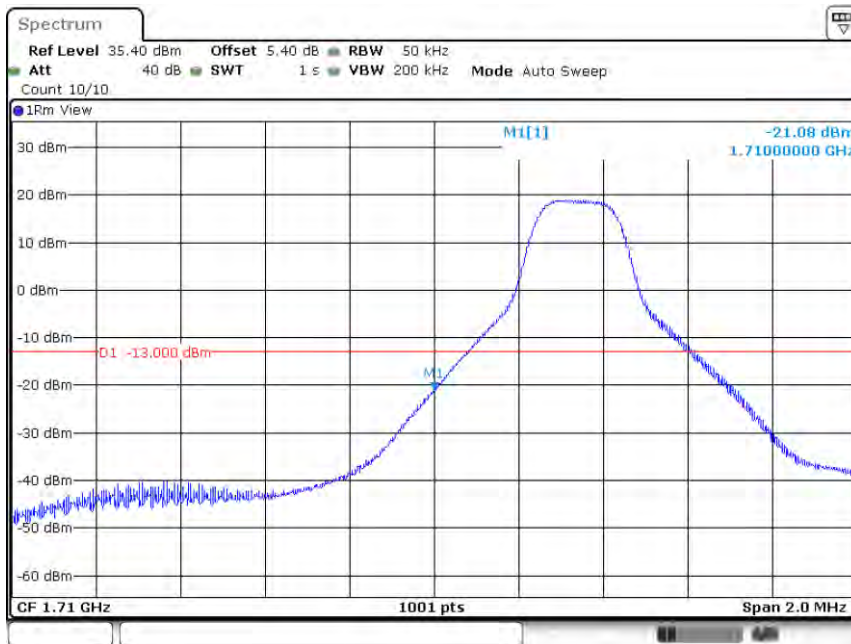
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-5MHz-QPSK-20375-25RB#0**



Date: 28 JAN 2021 21:42:13

**Band4-5MHz-16QAM-19975-1RB#0**



Date: 28 JAN 2021 21:40:26



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

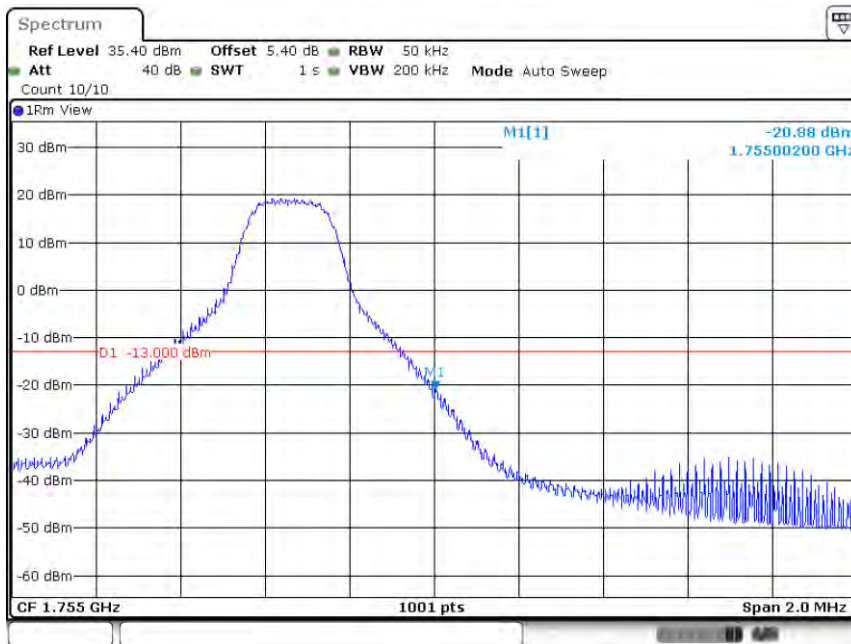


**Band4-5MHz-16QAM-19975-25RB#0**



Date: 28 JAN 2021 21:41:07

**Band4-5MHz-16QAM-20375-1RB#24**



Date: 28 JAN 2021 21:41:53



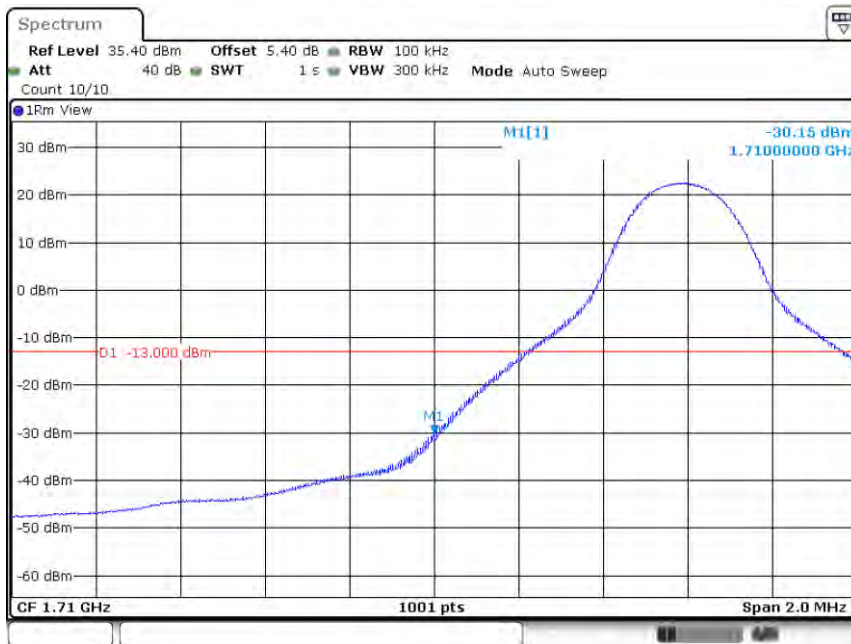
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-5MHz-16QAM-20375-25RB#0**



Date: 28 JAN 2021 21:42:34

**Band4-10MHz-QPSK-20000-1RB#0**



Date: 28 JAN 2021 21:42:59



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.

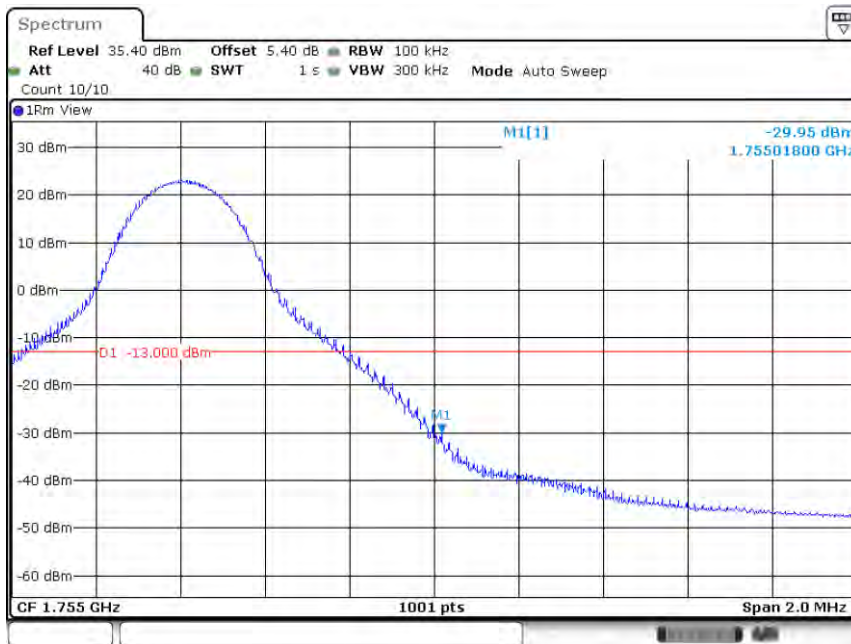


**Band4-10MHz-QPSK-20000-50RB#0**



Date: 28 JAN 2021 21:43:40

**Band4-10MHz-QPSK-20350-1RB#49**

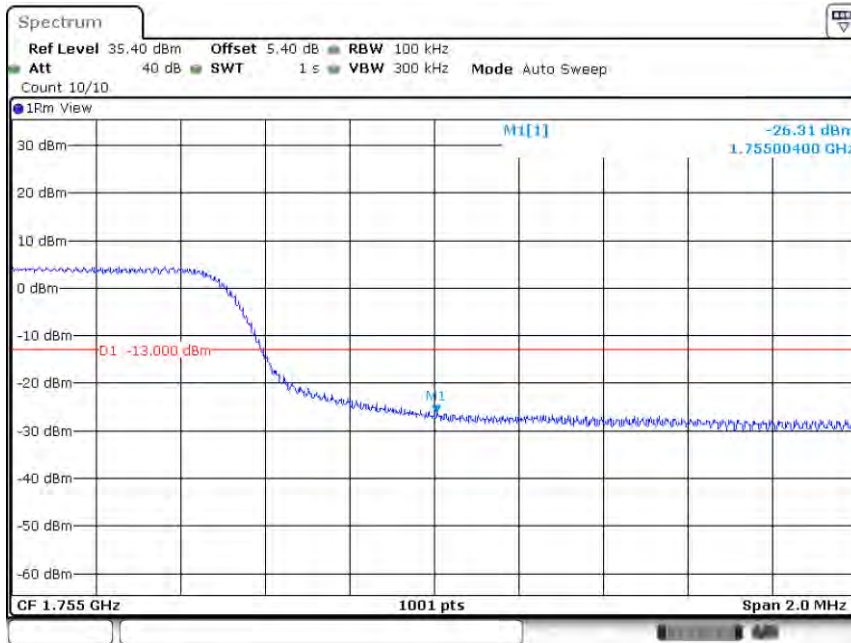


Date: 28 JAN 2021 21:44:26



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

**Band4-10MHz-QPSK-20350-50RB#0**



Date: 28 JAN 2021 21:45:07

**Band4-10MHz-16QAM-20000-1RB#0**

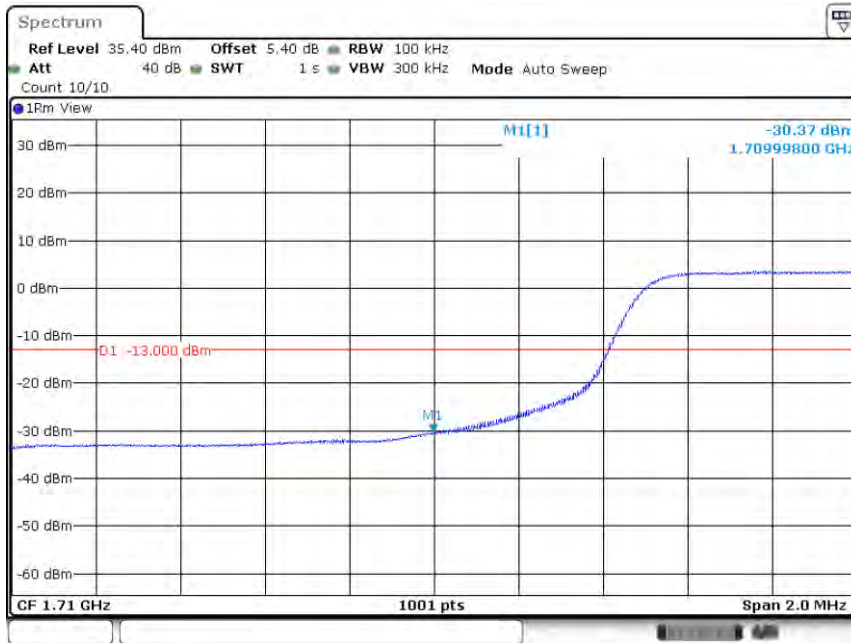


Date: 28 JAN 2021 21:43:20



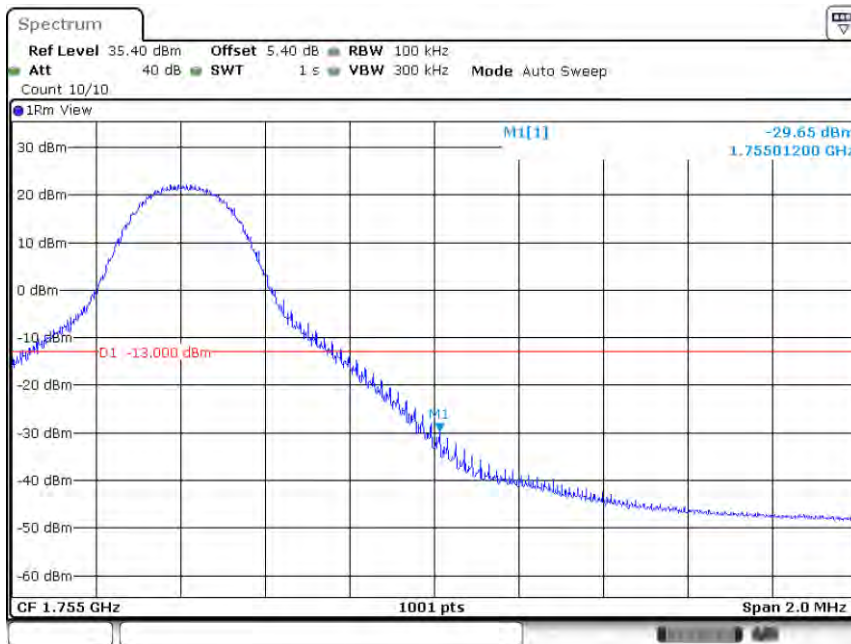
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-10MHz-16QAM-20000-50RB#0**



Date: 28 JAN 2021 21:44:01

**Band4-10MHz-16QAM-20350-1RB#49**



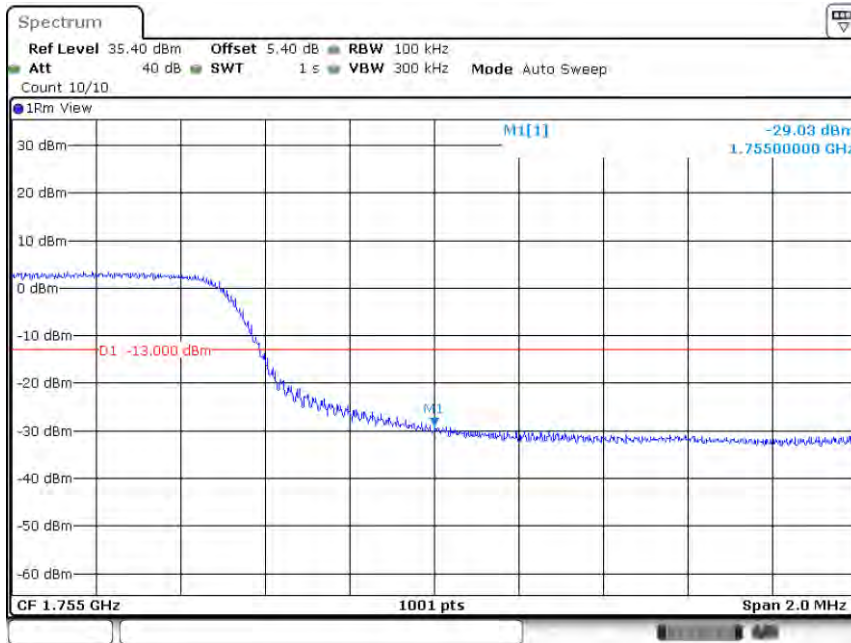
Date: 28 JAN 2021 21:44:47



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

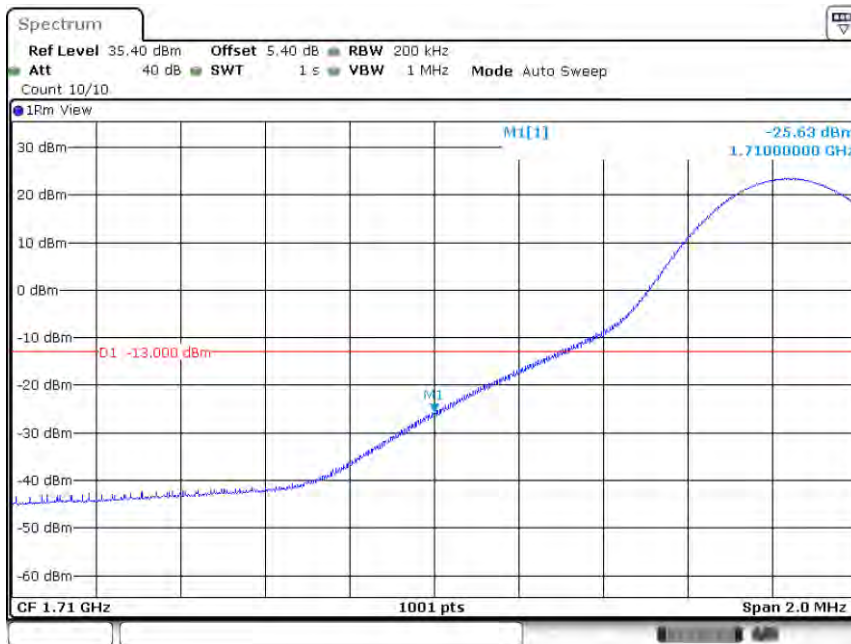
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-10MHz-16QAM-20350-50RB#0**



Date: 28 JAN 2021 21:45:28

**Band4-15MHz-QPSK-20025-1RB#0**



Date: 28 JAN 2021 21:45:53



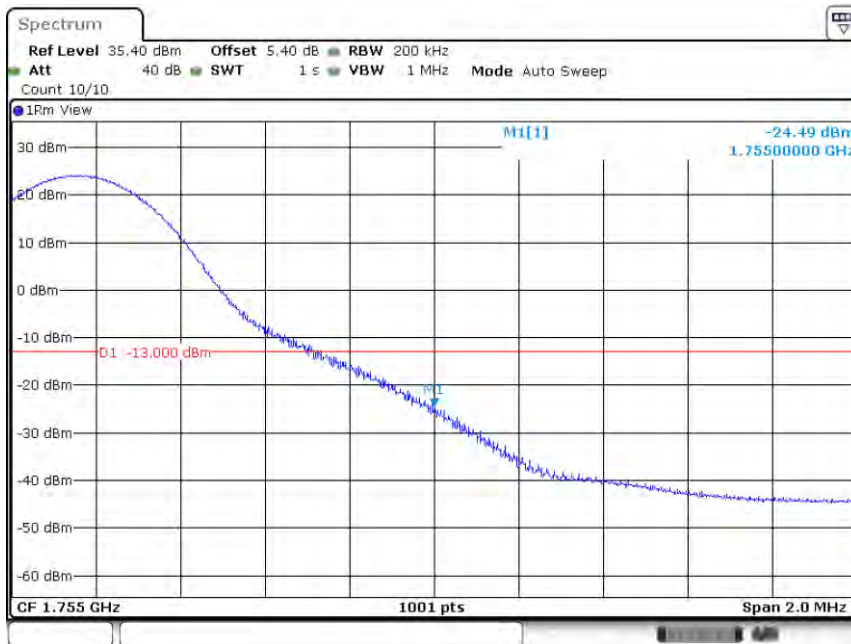
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-15MHz-QPSK-20025-75RB#0**



Date: 28 JAN 2021 21:46:34

**Band4-15MHz-QPSK-20325-1RB#74**

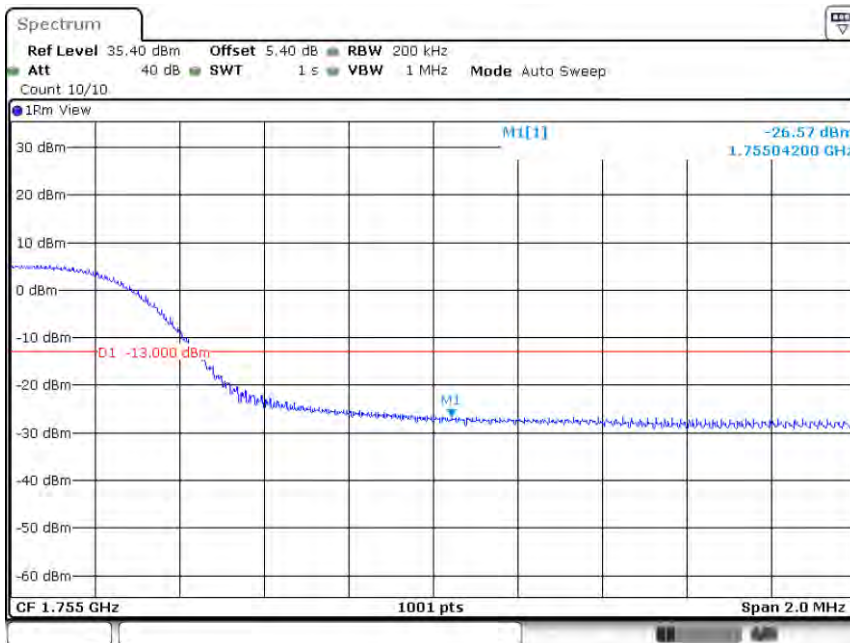


Date: 28 JAN 2021 21:47:20



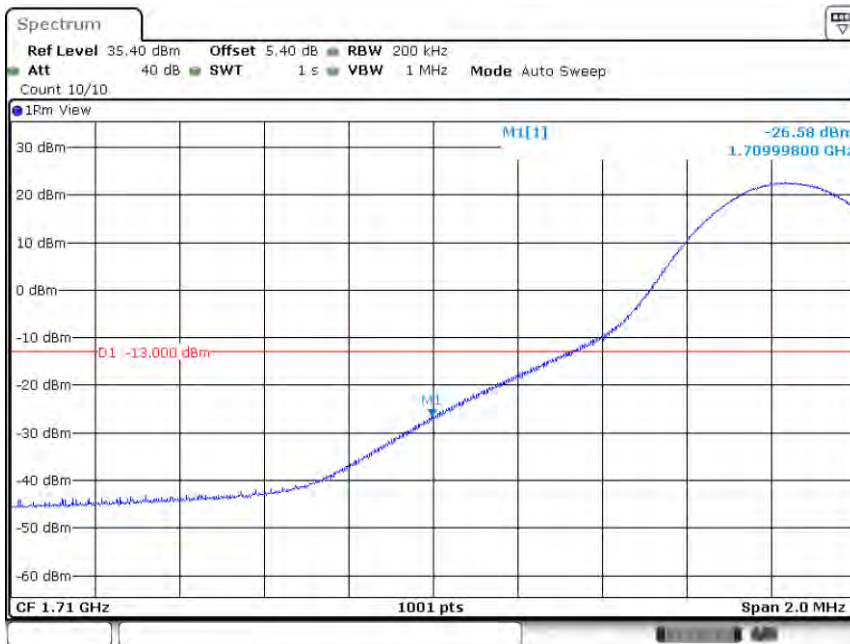
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-15MHz-QPSK-20325-75RB#0**



Date: 28 JAN 2021 21:48:01

**Band4-15MHz-16QAM-20025-1RB#0**



Date: 28 JAN 2021 21:46:14



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

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

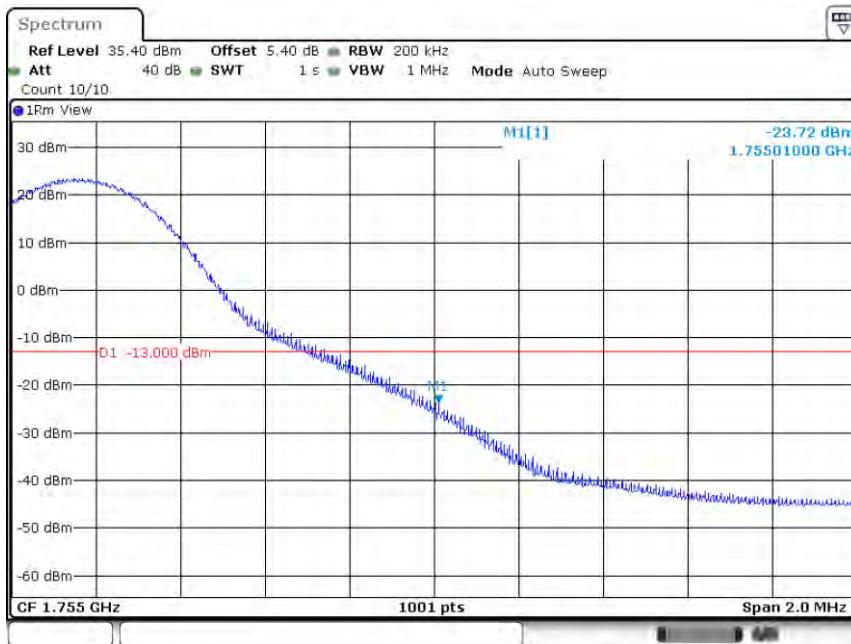
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**Band4-15MHz-16QAM-20025-75RB#0**



Date: 28 JAN 2021 21:46:55

**Band4-15MHz-16QAM-20325-1RB#74**

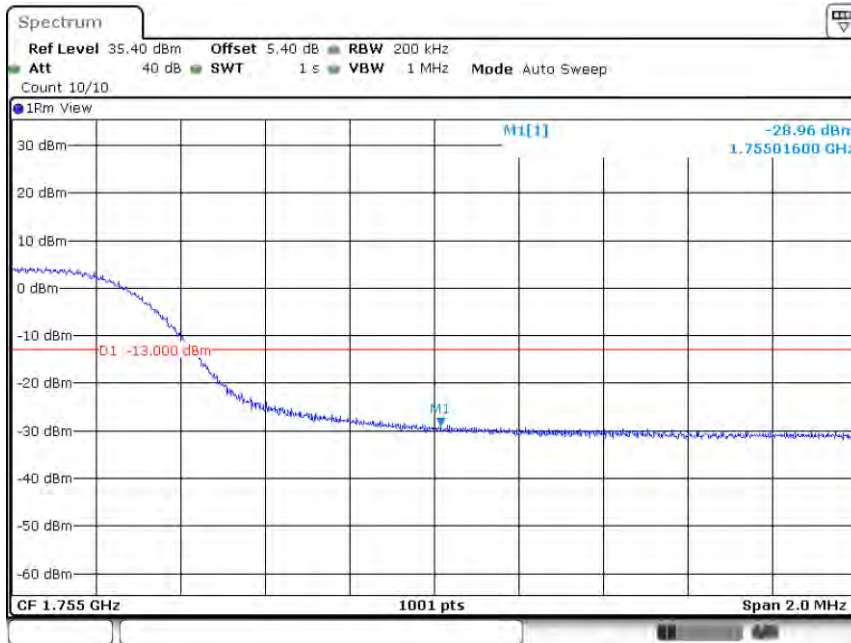


Date: 28 JAN 2021 21:47:40



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.

**Band4-15MHz-16QAM-20325-75RB#0**



Date: 28 JAN 2021 21:48:21

**Band4-20MHz-QPSK-20050-1RB#0**



Date: 28 JAN 2021 21:48:47



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

Attention: 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)



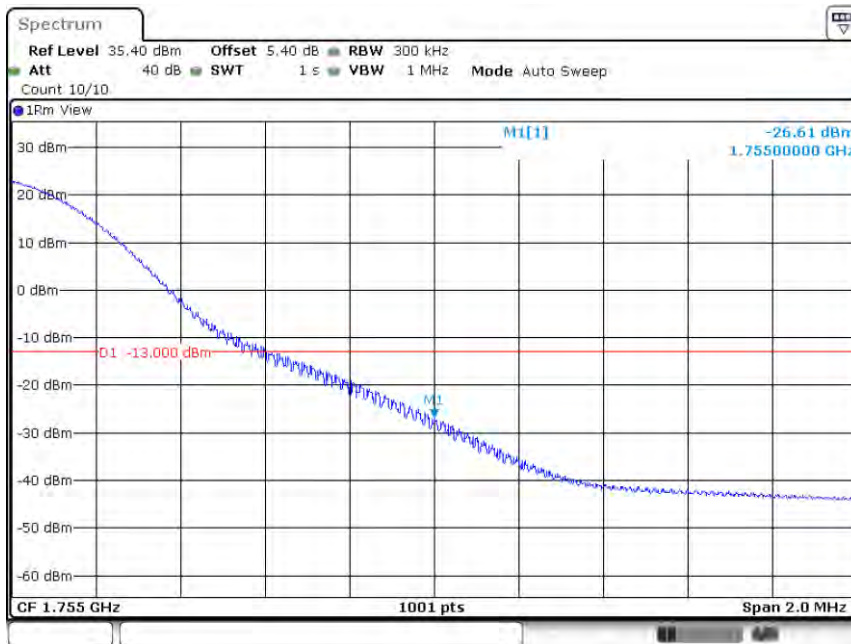


**Band4-20MHz-QPSK-20050-100RB#0**



Date: 28 JAN 2021 21:49:28

**Band4-20MHz-QPSK-20300-1RB#99**

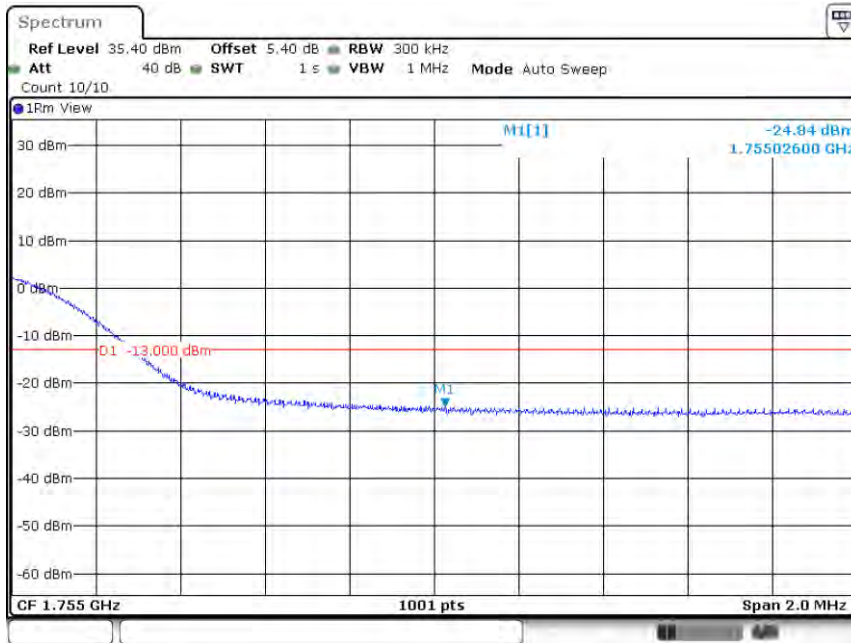


Date: 28 JAN 2021 21:50:13



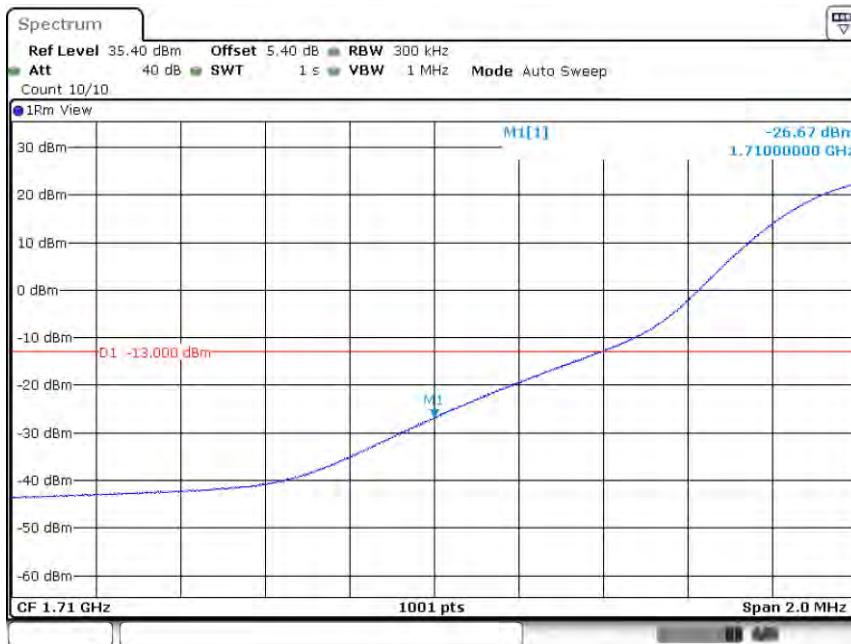
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-20MHz-QPSK-20300-100RB#0**



Date: 28 JAN 2021 21:50:54

**Band4-20MHz-16QAM-20050-1RB#0**



Date: 28 JAN 2021 21:49:07



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

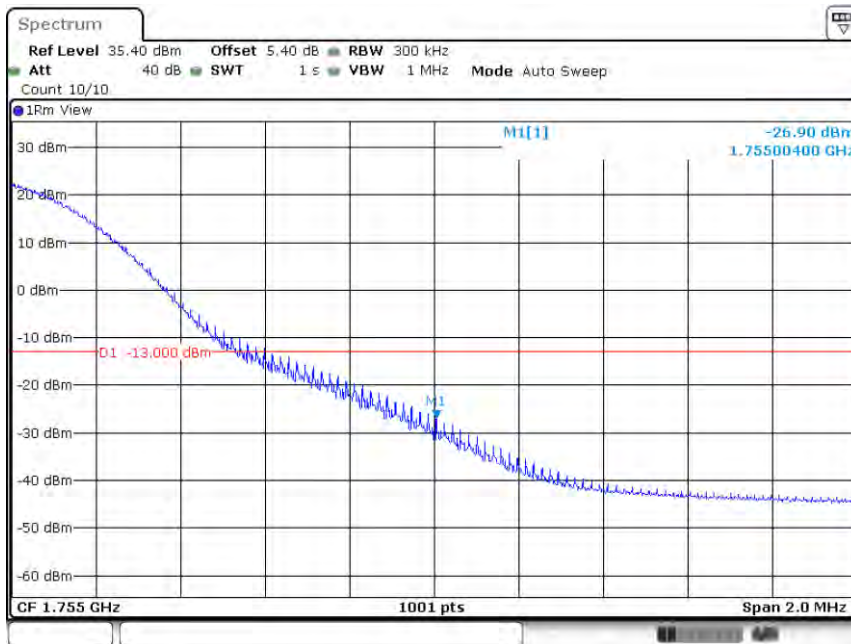
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-20MHz-16QAM-20050-100RB#0**



Date: 28 JAN 2021 21:49:48

**Band4-20MHz-16QAM-20300-1RB#99**

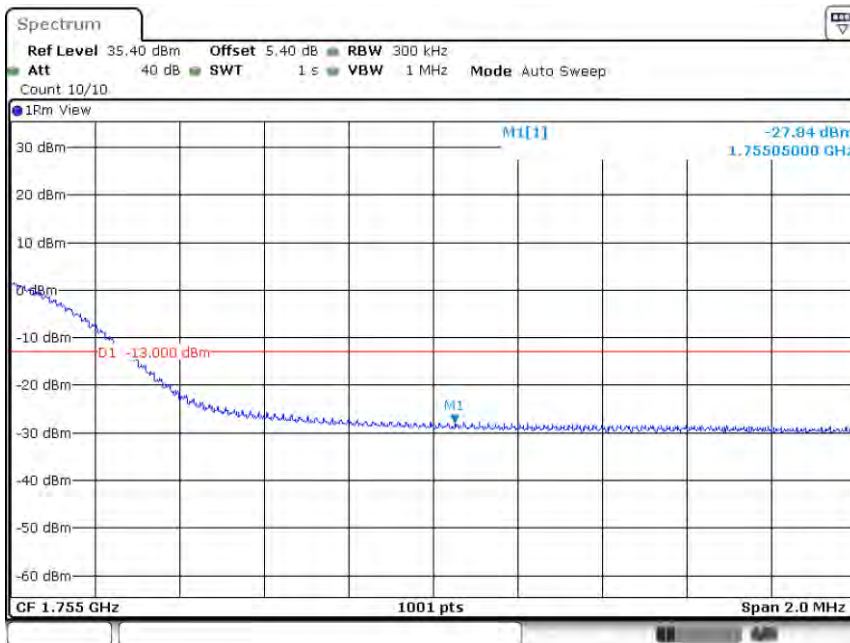


Date: 28 JAN 2021 21:50:34



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

**Band4-20MHz-16QAM-20300-100RB#0**



Date 28 JAN 2021 21:51:15



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

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

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

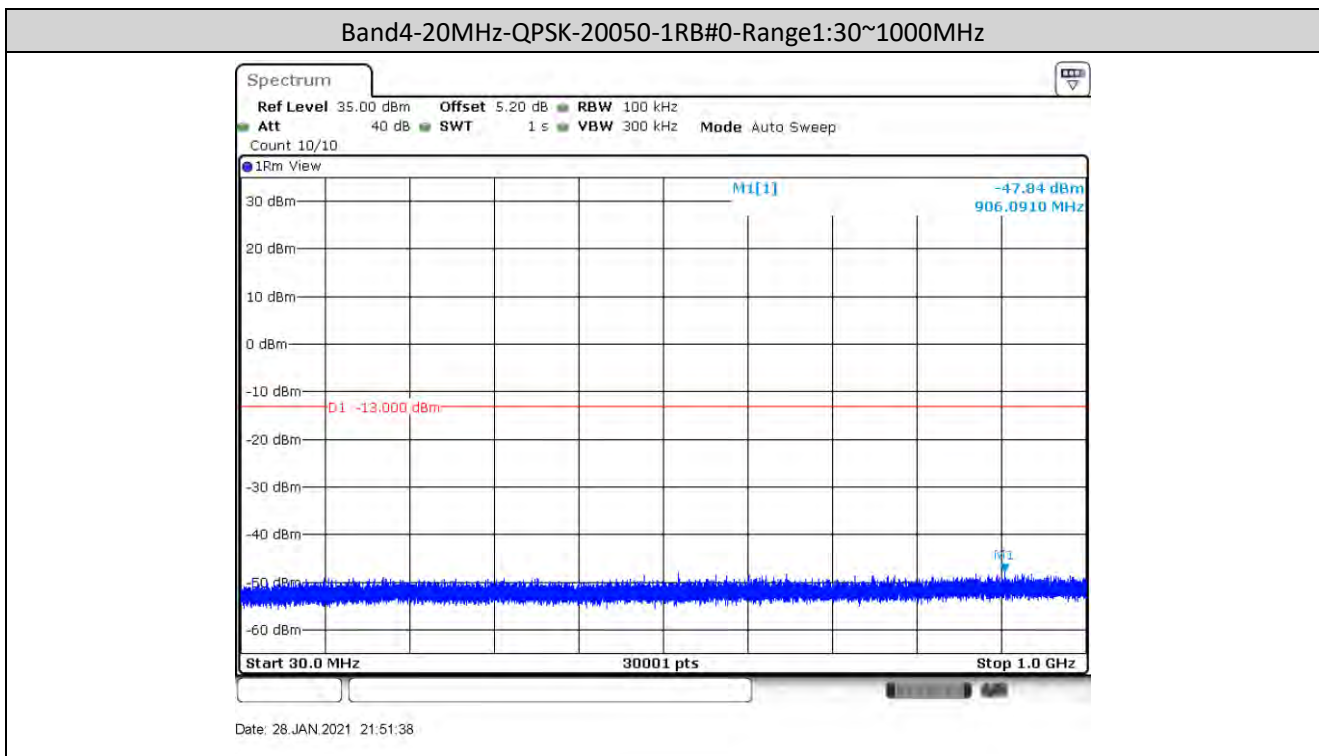
## 6. Spurious Emission at Antenna Terminal

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

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

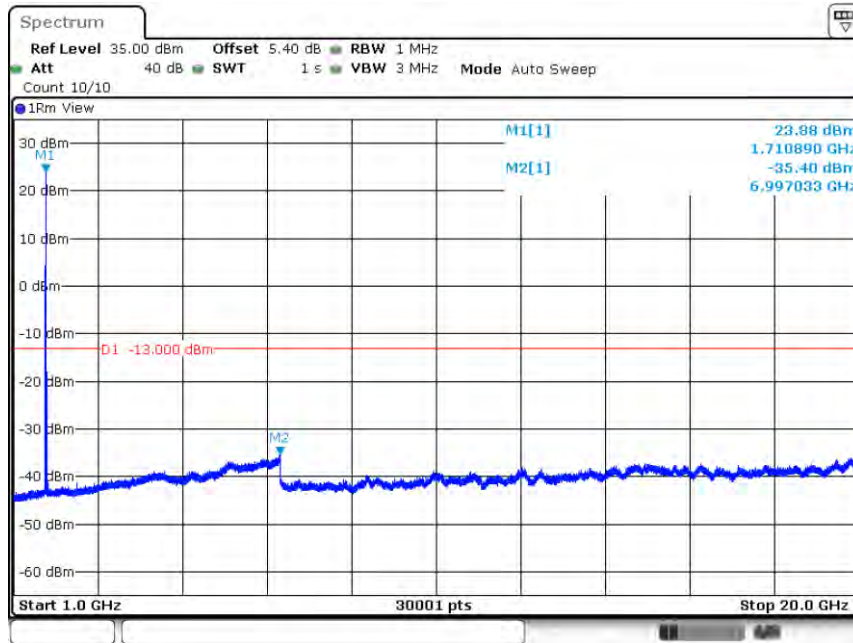
Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

### 6.1. Test Plots



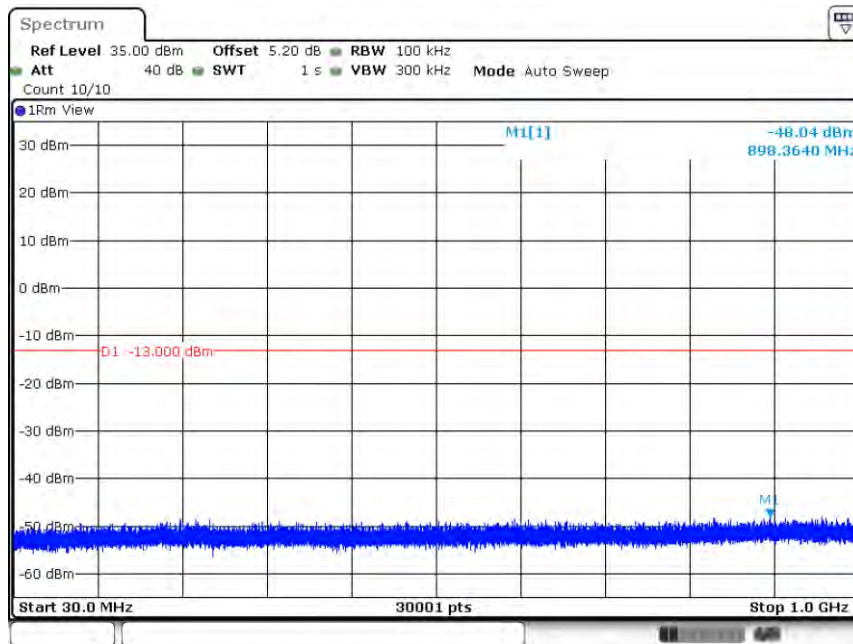
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz**



Date: 28 JAN 2021 21:51:55

**Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**

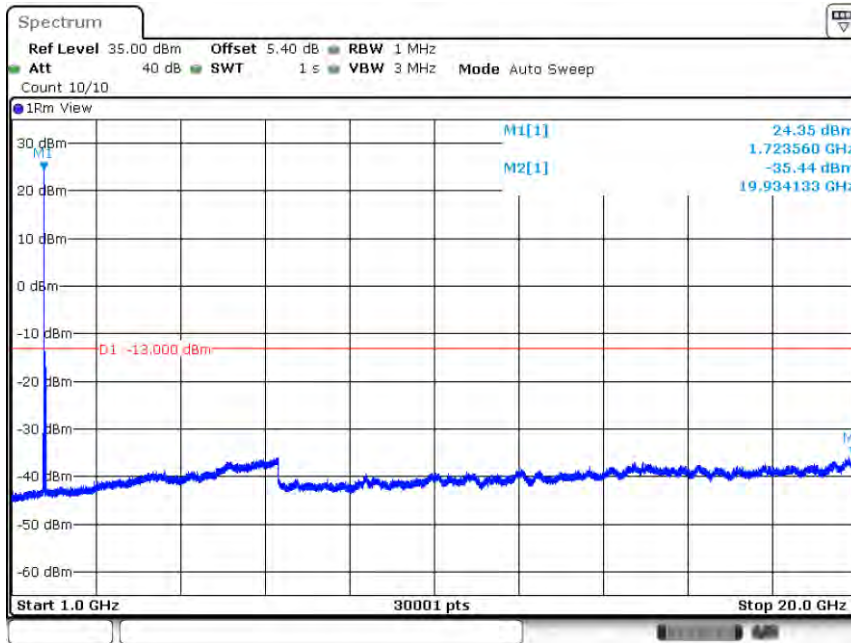


Date: 28 JAN 2021 21:52:49



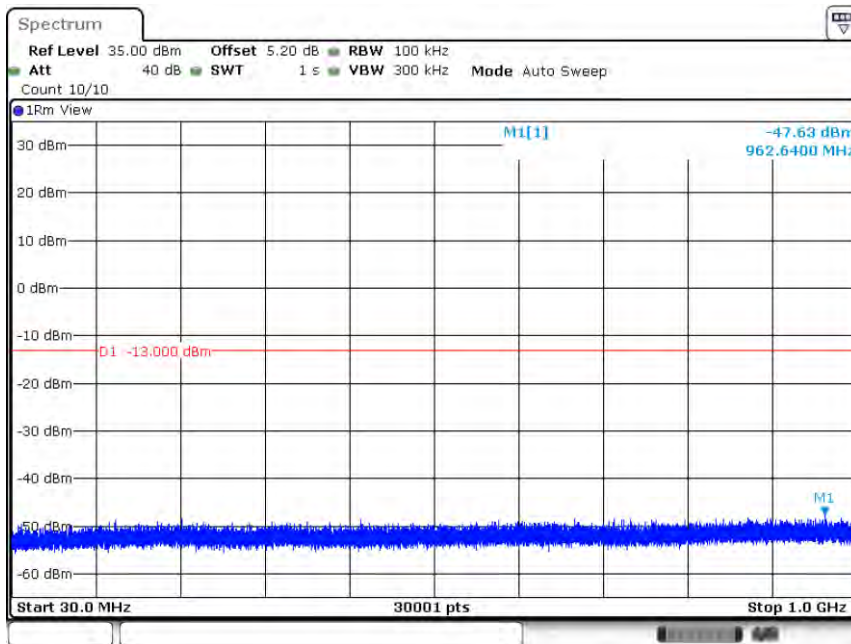
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



Date: 28. JAN 2021 21:53:05

**Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz**



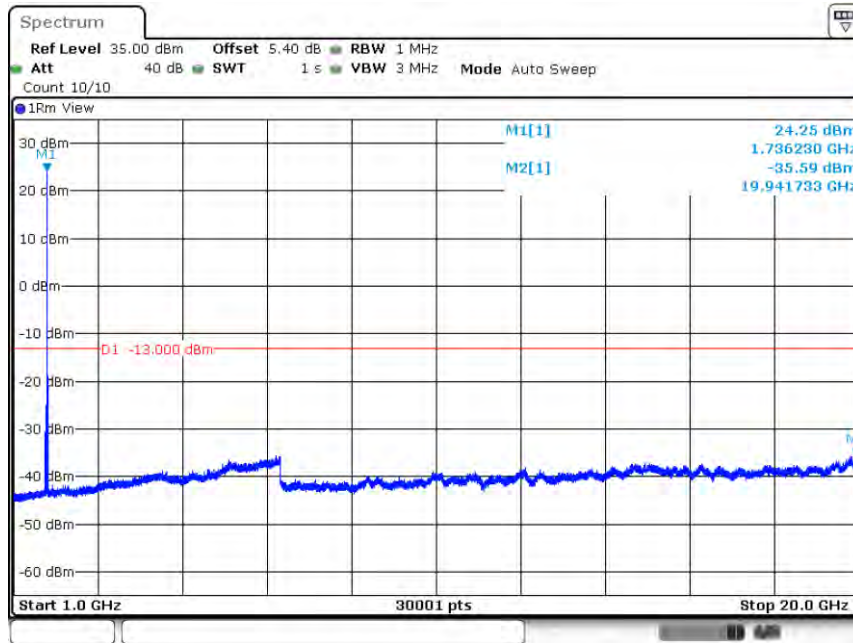
Date: 28. JAN 2021 21:53:59



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.

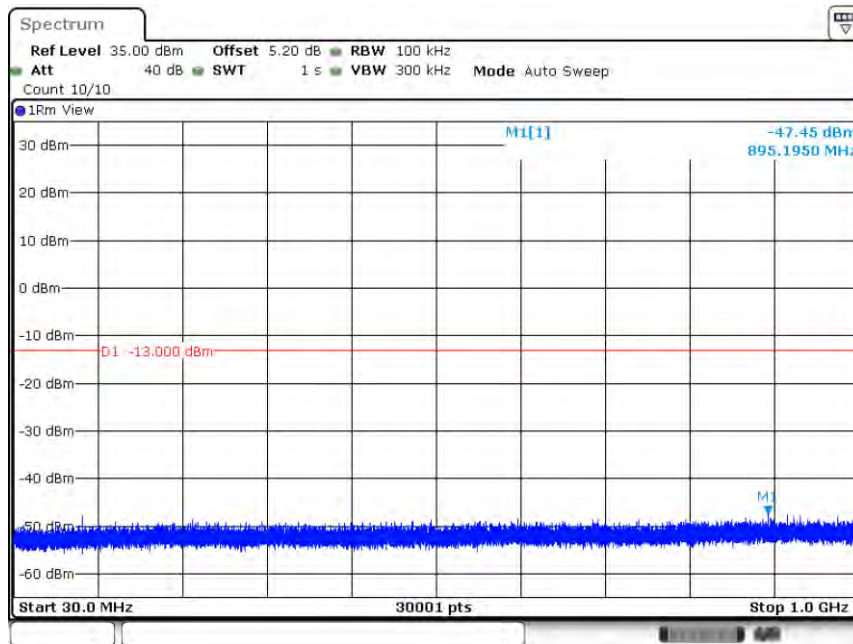
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz**



Date: 28.JAN.2021 21:54:15

**Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz**



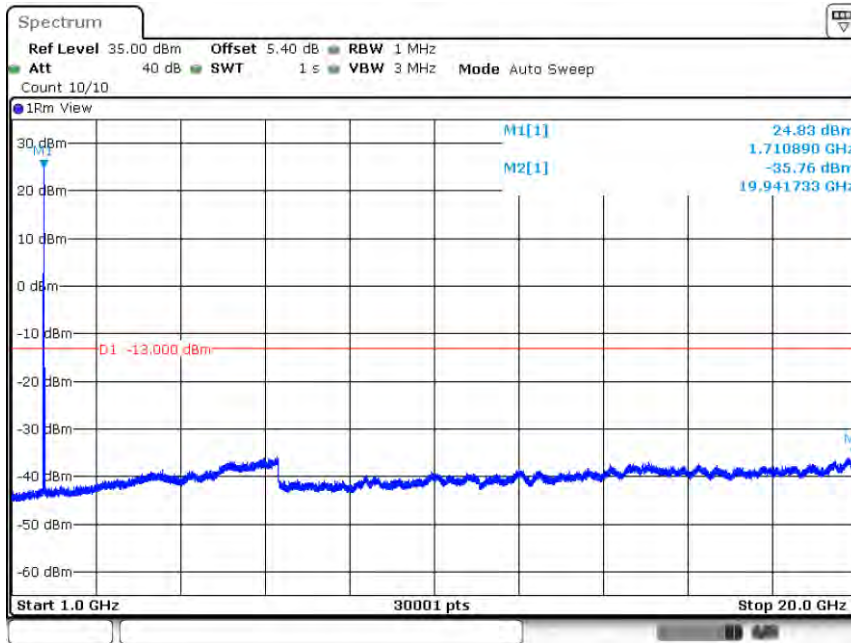
Date: 28.JAN.2021 21:52:13



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

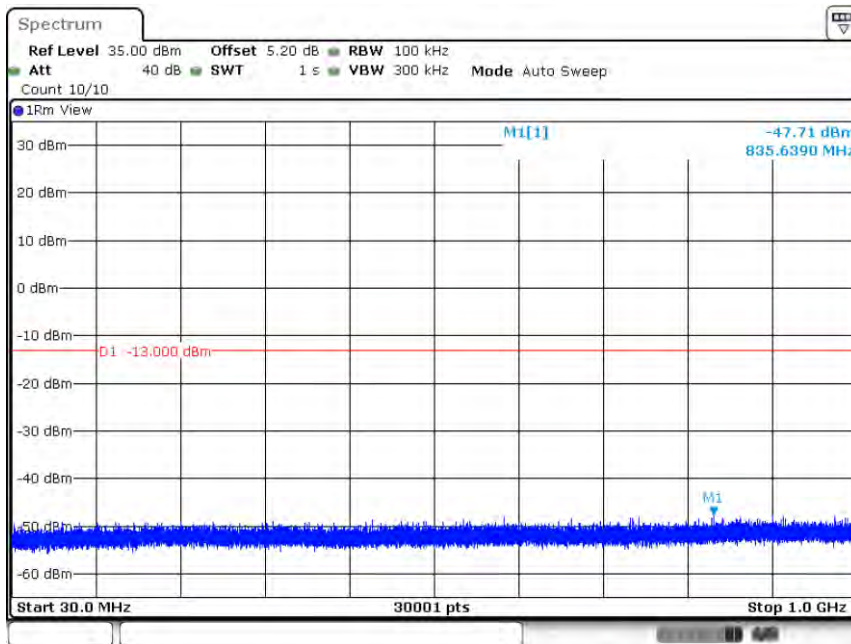


**Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz**



Date: 28. JAN 2021 21:52:30

**Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**

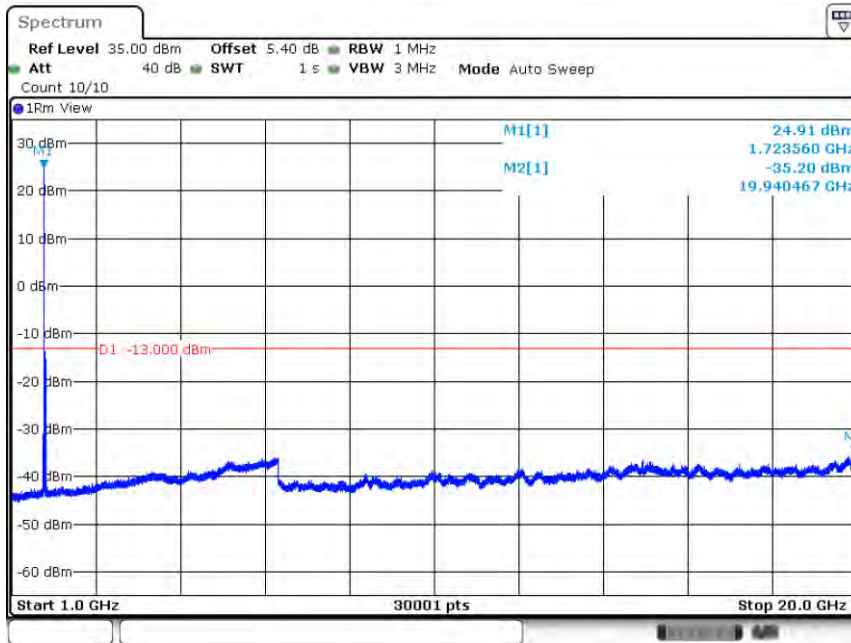


Date: 28. JAN 2021 21:53:24



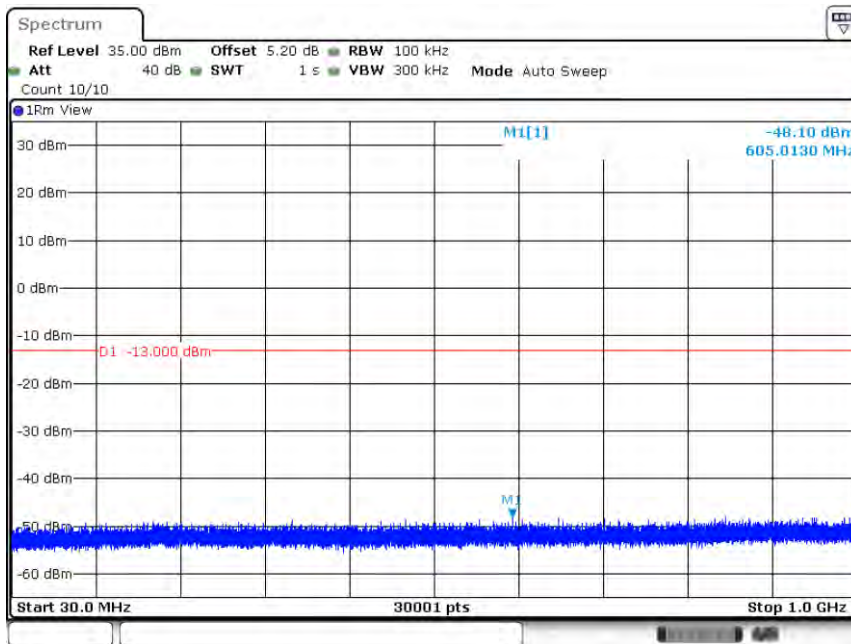
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



Date: 28. JAN 2021 21:53:40

**Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz**

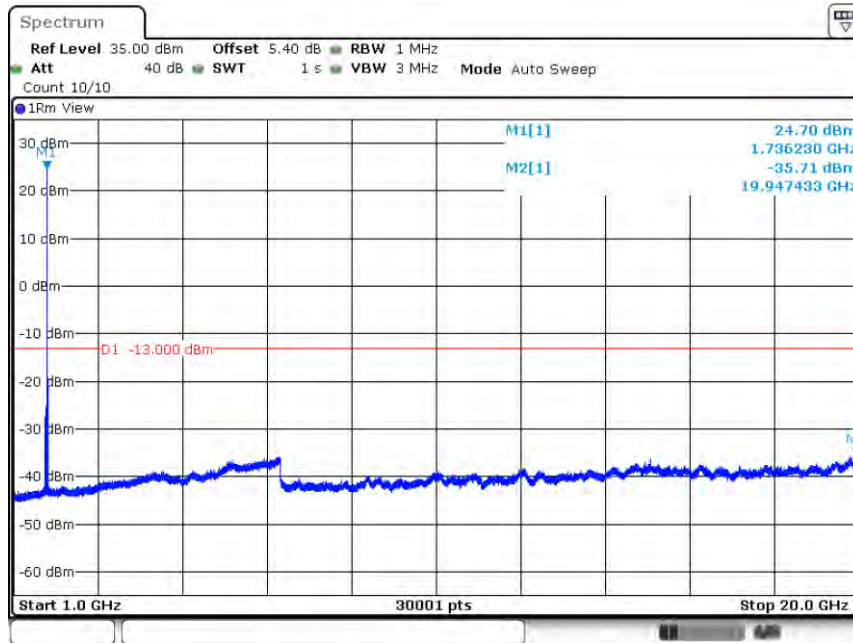


Date: 28. JAN 2021 21:54:34



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

**Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz**



Date: 28.JAN.2021 21:54:50



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

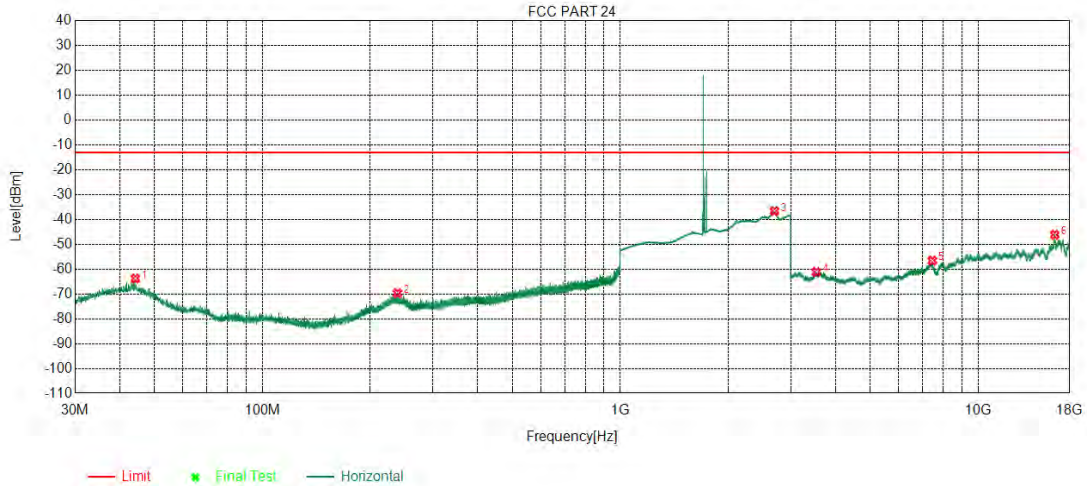
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE\_4\_TM1 DOWN ANT

#### 7.1.1. Test Channel = Low Channel

#### Test Graph



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2112	-70.76	-63.78	-13.00	50.78	Horizontal
2	238.6089	-72.49	-69.69	-13.00	56.69	Horizontal
3	2698.3397	-69.46	-36.58	-13.00	23.58	Horizontal
4	3533.0178	-52.48	-61.14	-13.00	48.14	Horizontal
5	7446.6482	-56.54	-56.57	-13.00	43.57	Horizontal
6	16373.445	-60.11	-46.14	-13.00	33.14	Horizontal

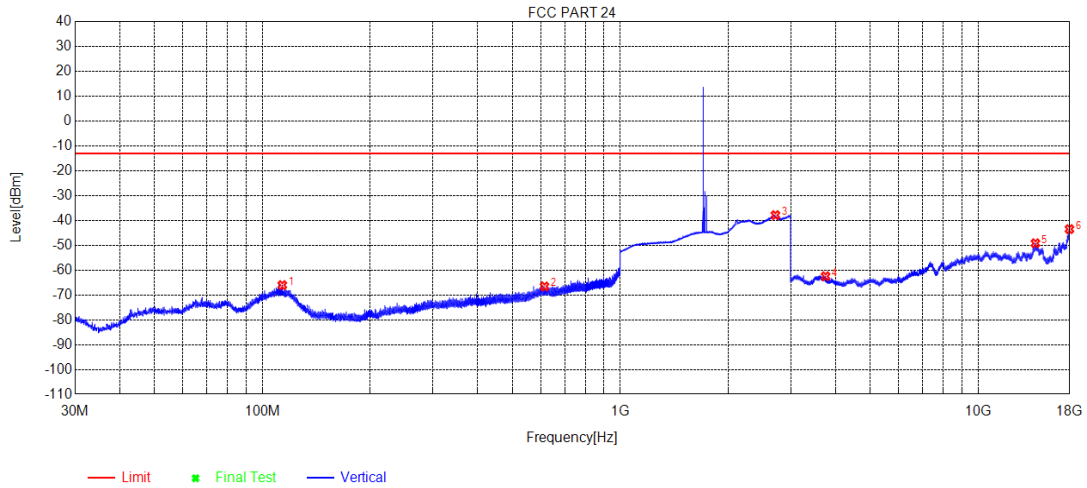


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.2. Test Band = LTE\_4\_TM1 DOWN ANT**

**7.2.1. Test Channel = Low Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	113.7637	-72.12	-66.04	-13.00	53.04	Vertical
2	614.5997	-74.15	-66.56	-13.00	53.56	Vertical
3	2714.7429	-69.29	-37.83	-13.00	24.83	Vertical
4	3748.5250	-53.33	-62.45	-13.00	49.45	Vertical
5	14460.382	-61.35	-49.16	-13.00	36.16	Vertical
6	17996.499	-61.26	-43.47	-13.00	30.47	Vertical



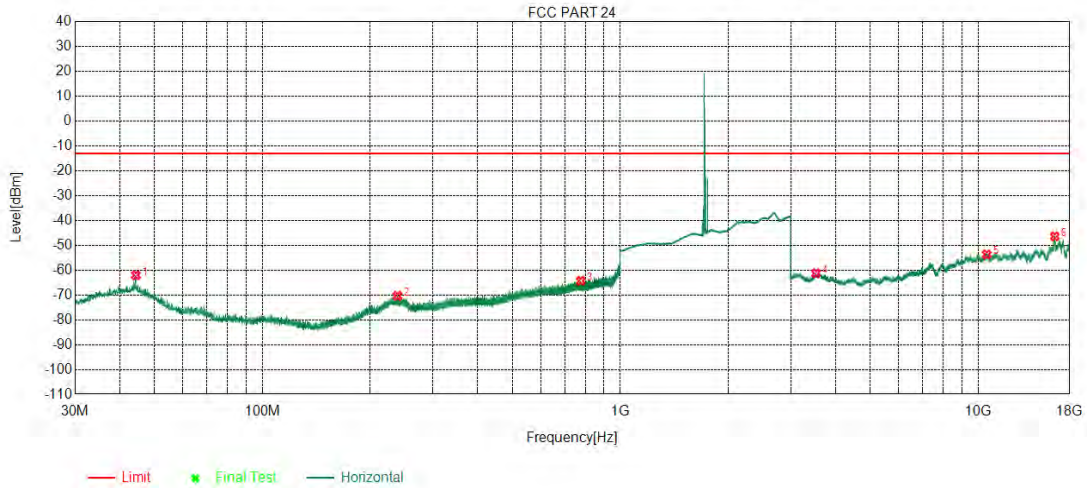
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

**7.3. Test Band = LTE\_4\_TM1 DOWN ANT**

**7.3.1. Test Channel = Mid Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3567	-69.01	-62.02	-13.00	49.02	Horizontal
2	238.7059	-73.18	-70.38	-13.00	57.38	Horizontal
3	776.3068	-74.25	-64.34	-13.00	51.34	Horizontal
4	3527.0176	-52.54	-61.25	-13.00	48.25	Horizontal
5	10572.752	-59.79	-53.67	-13.00	40.67	Horizontal
6	16383.946	-60.52	-46.36	-13.00	33.36	Horizontal

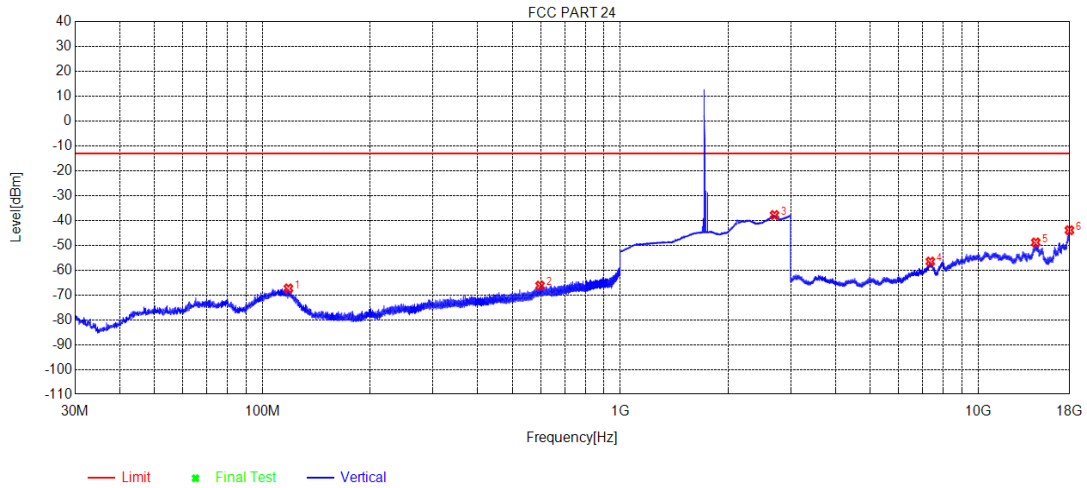


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.4. Test Band = LTE\_4\_TM1 DOWN ANT**

**7.4.1. Test Channel = Mid Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	118.3229	-73.04	-67.36	-13.00	54.36	Vertical
2	597.2844	-73.73	-66.22	-13.00	53.22	Vertical
3	2699.5399	-69.44	-37.78	-13.00	24.78	Vertical
4	7354.6452	-57.05	-56.53	-13.00	43.53	Vertical
5	14490.383	-61.25	-48.82	-13.00	35.82	Vertical
6	17994.499	-61.65	-43.91	-13.00	30.91	Vertical



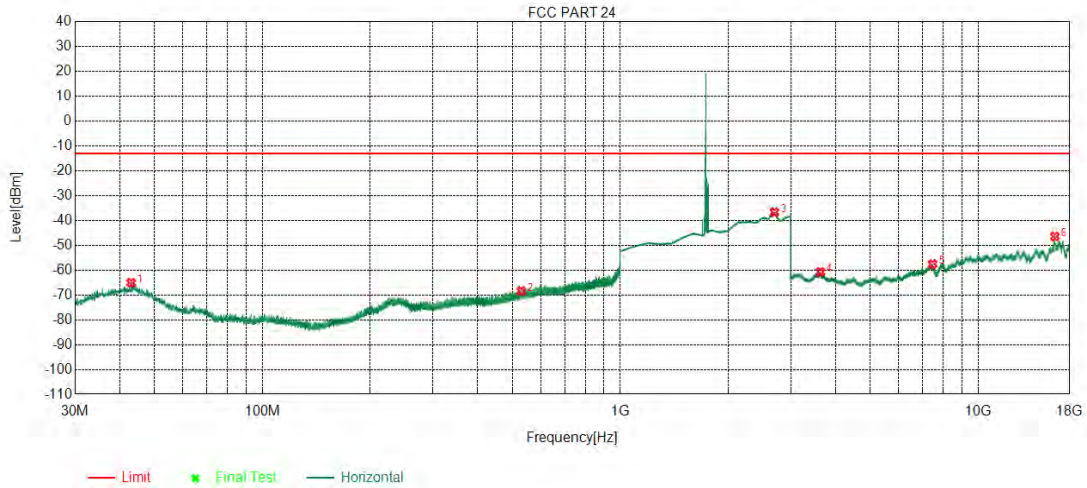
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

**7.5. Test Band = LTE\_4\_TM1 DOWN ANT**

**7.5.1. Test Channel = High Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.0472	-72.00	-65.08	-13.00	52.08	Horizontal
2	529.2355	-74.34	-68.42	-13.00	55.42	Horizontal
3	2697.9396	-69.53	-36.66	-13.00	23.66	Horizontal
4	3625.5209	-52.47	-60.68	-13.00	47.68	Horizontal
5	7461.6487	-57.54	-57.56	-13.00	44.56	Horizontal
6	16391.446	-60.72	-46.42	-13.00	33.42	Horizontal



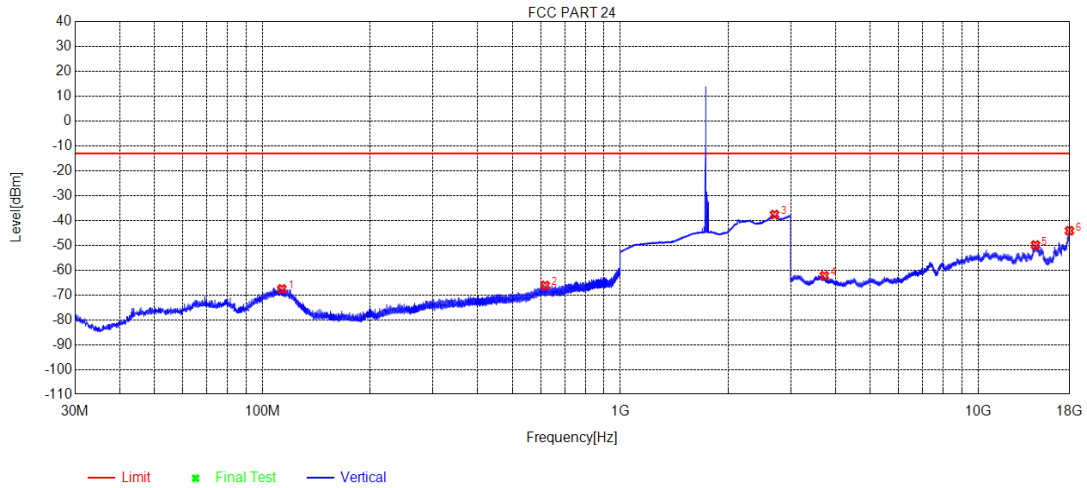
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



**7.6. Test Band = LTE\_4\_TM1 DOWN ANT**

**7.6.1. Test Channel = High Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	113.4727	-73.69	-67.59	-13.00	54.59	Vertical
2	617.5584	-73.78	-66.20	-13.00	53.20	Vertical
3	2699.1398	-69.27	-37.62	-13.00	24.62	Vertical
4	3719.0240	-53.02	-62.29	-13.00	49.29	Vertical
5	14460.882	-62.09	-49.90	-13.00	36.90	Vertical
6	17997.499	-61.95	-44.13	-13.00	31.13	Vertical



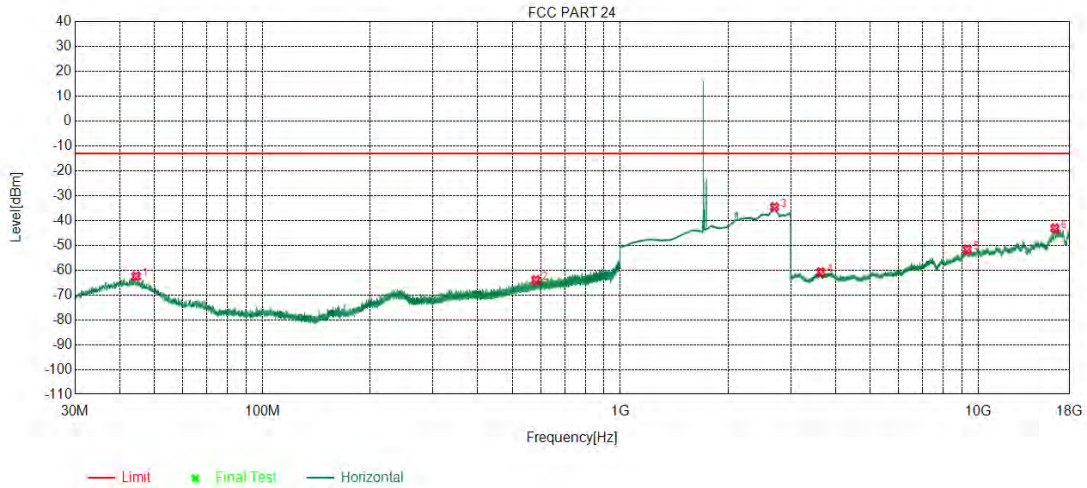
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.7. Test Band = LTE\_4\_TM1 UP ANT**

**7.7.1. Test Channel = Low Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.4052	-69.46	-62.47	-13.00	49.47	Horizontal
2	581.2786	-71.15	-63.98	-13.00	50.98	Horizontal
3	2698.7397	-67.48	-34.59	-13.00	21.59	Horizontal
4	3634.0211	-52.51	-60.76	-13.00	47.76	Horizontal
5	9317.2106	-57.47	-51.69	-13.00	38.69	Horizontal
6	16397.446	-57.55	-43.15	-13.00	30.15	Horizontal

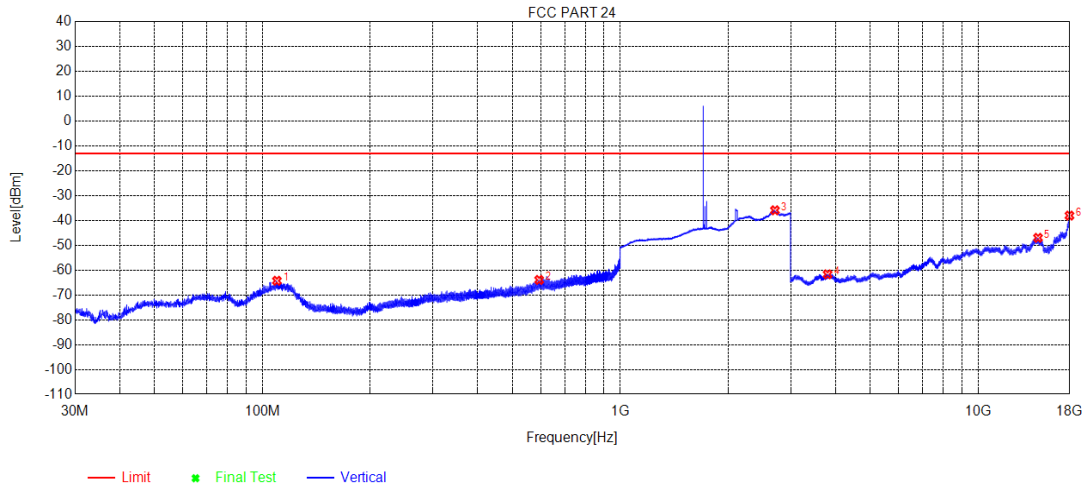


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.8. Test Band = LTE\_4\_TM1 UP ANT**

**7.8.1. Test Channel = Low Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	109.8835	-70.65	-64.27	-13.00	51.27	Vertical
2	593.8407	-71.28	-63.94	-13.00	50.94	Vertical
3	2706.7413	-67.45	-35.88	-13.00	22.88	Vertical
4	3797.5266	-52.83	-61.69	-13.00	48.69	Vertical
5	14702.390	-59.11	-46.97	-13.00	33.97	Vertical
6	17997.499	-55.83	-38.01	-13.00	25.01	Vertical

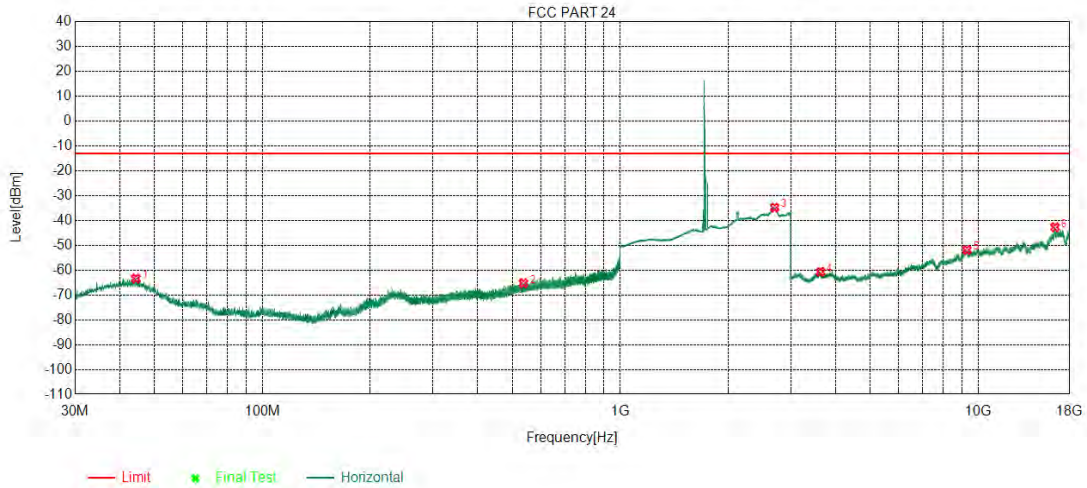


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.9. Test Band = LTE\_4\_TM1 UP ANT**

**7.9.1. Test Channel = Mid Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3567	-70.34	-63.35	-13.00	50.35	Horizontal
2	536.6078	-71.32	-65.23	-13.00	52.23	Horizontal
3	2701.1402	-67.64	-34.75	-13.00	21.75	Horizontal
4	3630.0210	-52.42	-60.65	-13.00	47.65	Horizontal
5	9304.7102	-57.75	-51.85	-13.00	38.85	Horizontal
6	16402.946	-57.05	-42.68	-13.00	29.68	Horizontal

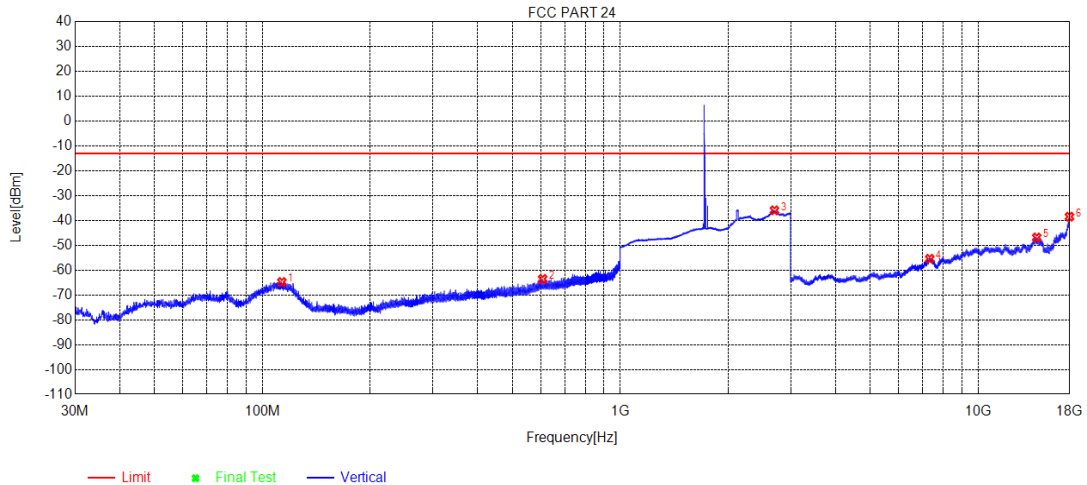


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.10. Test Band = LTE\_4\_TM1\_UP\_ANT**

**7.10.1. Test Channel = Mid Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	113.4242	-70.88	-64.77	-13.00	51.77	Vertical
2	607.4214	-71.16	-63.55	-13.00	50.55	Vertical
3	2698.3397	-67.53	-35.89	-13.00	22.89	Vertical
4	7324.6442	-55.91	-55.42	-13.00	42.42	Vertical
5	14583.886	-58.58	-46.84	-13.00	33.84	Vertical
6	17996.999	-56.25	-38.45	-13.00	25.45	Vertical

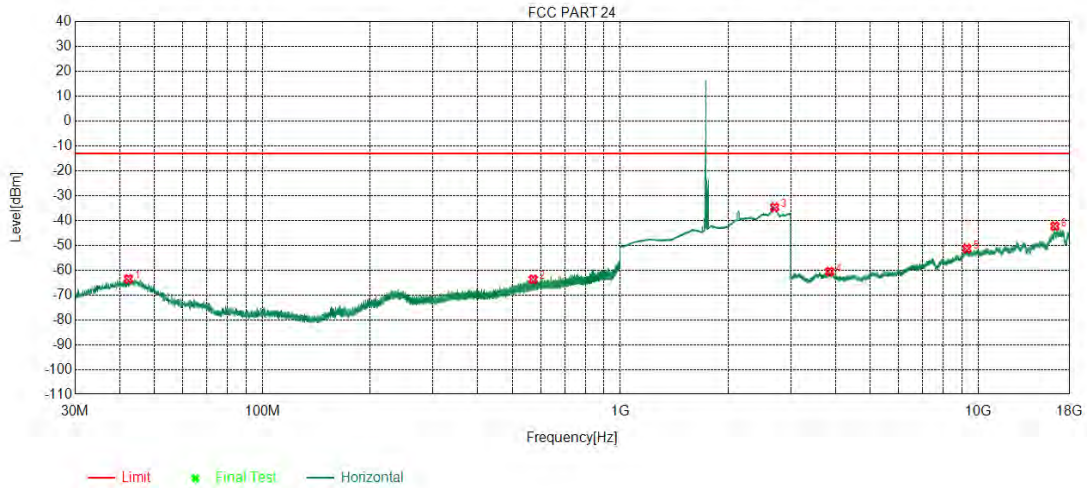


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.11. Test Band = LTE\_4\_TM1 UP ANT**

**7.11.1. Test Channel = High Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.2711	-70.41	-63.53	-13.00	50.53	Horizontal
2	571.4326	-70.63	-63.70	-13.00	50.70	Horizontal
3	2701.9404	-67.52	-34.65	-13.00	21.65	Horizontal
4	3848.0283	-52.40	-60.56	-13.00	47.56	Horizontal
5	9300.2100	-57.20	-51.26	-13.00	38.26	Horizontal
6	16394.946	-56.66	-42.30	-13.00	29.30	Horizontal

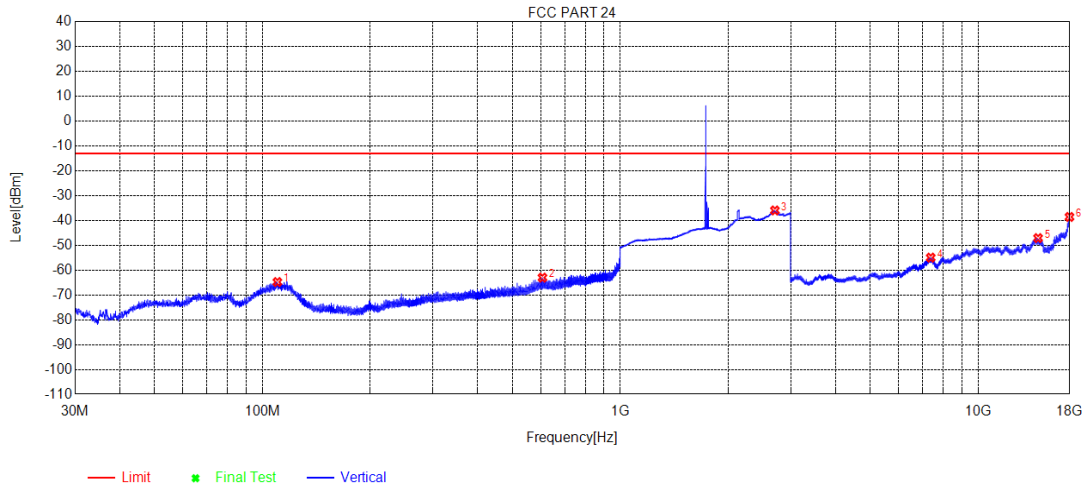


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**7.12. Test Band = LTE\_4\_TM1 UP ANT**

**7.12.1. Test Channel = High Channel**

**Test Graph**



Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	110.2230	-71.17	-64.78	-13.00	51.78	Vertical
2	606.6453	-70.63	-63.01	-13.00	50.01	Vertical
3	2705.9412	-67.53	-35.94	-13.00	22.94	Vertical
4	7371.6457	-55.48	-54.95	-13.00	41.95	Vertical
5	14707.390	-59.19	-47.08	-13.00	34.08	Vertical
6	17999.000	-56.41	-38.56	-13.00	25.56	Vertical

**Remark:**

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



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



## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	2.80	0.001628	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	2.00	0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	3.10	0.001802	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	2.60	0.001501	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.20	-0.001261	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	1.30	0.000756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.20	0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	4.90	0.002849	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	2.80	0.001616	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-1.70	-0.000974	±2.5	PASS

### 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	0.20	0.000116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	1.90	0.001105	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	2.40	0.001395	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1.90	0.001105	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	2.70	0.001570	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	5.00	0.002907	±2.5	PASS



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

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





Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	2.00	0.001154	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	2.40	0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	1.00	0.000577	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	0.50	0.000287	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	1.30	0.000756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.20	0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	3.10	0.001802	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	3.40	0.001977	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	3.00	0.001744	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.50	0.000291	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.10	0.001221	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	2.20	0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.60	0.002078	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	3.30	0.001905	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	2.30	0.001328	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.40	0.000231	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-3.10	-0.001777	±2.5	PASS



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

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



Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-0.30	-0.000172	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-0.70	-0.000401	±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)