

# 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)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch, China • Shenzhen ECO 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](http://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](mailto:sgs.china@sgs.com)

**CONTENT**

<b>1. EFFECTIVE (ISOTROPIC) RADIATED POWER.....</b>	<b>4</b>
1.1. TEST RESULT.....	4
<b>2. PEAK-TO-AVERAGE RATIO (CCDF).....</b>	<b>15</b>
2.1. TEST RESULT.....	15
2.2. TEST PLOTS .....	15
<b>3. MODULATION CHARACTERISTICS .....</b>	<b>20</b>
3.1. TEST MODE = LTE /TM1 20MHz .....	20
3.1.1. TEST CHANNEL = MCH .....	20
3.2. TEST MODE = LTE /TM2 20MHz .....	21
3.2.1. TEST CHANNEL = MCH .....	21
3.3. TEST MODE = LTE /TM3 20MHz .....	22
3.3.1. TEST CHANNEL = MCH .....	22
<b>4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....</b>	<b>23</b>
4.1. TEST RESULT.....	23
4.2. TEST PLOTS .....	25
<b>5. BAND EDGE COMPLIANCE.....</b>	<b>52</b>
5.1. TEST PLOTS .....	52
<b>6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....</b>	<b>89</b>
6.1. TEST PLOTS .....	89
<b>7. FIELD STRENGTH OF SPURIOUS RADIATION.....</b>	<b>99</b>
7.1. Test Band LTE_Band4 _TM1.....	99
7.1.1. Test Channel Low Channel.....	99
7.2. Test Band LTE_Band4 _TM1.....	99
7.2.1. Test Channel Low Channel.....	99
7.3. Test Band LTE_Band4 _TM1.....	100
7.3.1. Test Channel Mid Channel.....	100
7.4. Test Band LTE_Band4 _TM1.....	100
7.4.1. Test Channel Mid Channel.....	100
7.5. Test Band LTE_Band4 _TM1.....	101
7.5.1. Test Channel High Channel.....	101



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

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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://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](mailto:sgs.china@sgs.com)

7.6. Test Band LTE_Band4 _TM1.....	101
7.6.1. Test Channel High Channel.....	101
<b>8. FREQUENCY STABILITY.....</b>	<b>102</b>
8.1. FREQUENCY VS VOLTAGE.....	102
8.2. FREQUENCY VS TEMPERATURE .....	103



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

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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch, China CE 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](http://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](mailto:sgs.china@sgs.com)

# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.63	24.08	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.77	24.22	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.64	24.09	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.68	24.13	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.77	24.22	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.73	24.18	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.58	23.03	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.69	24.14	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.82	24.27	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.60	24.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.73	24.18	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.78	24.23	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.72	24.17	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.74	23.19	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.26	23.71	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.49	23.94	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.24	23.69	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.41	23.86	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.43	23.88	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.35	23.8	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.53	22.98	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.00	23.45	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.00	23.45	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.98	23.43	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.89	23.34	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.90	23.35	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.88	23.33	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.57	22.02	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.11	23.56	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.11	23.56	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.02	23.47	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.94	23.39	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	1.4MHz	16QAM	20175	3RB#1	22.93	23.38	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.88	23.33	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.58	22.03	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.73	23.18	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.73	23.18	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.85	23.3	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.90	23.35	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.93	23.38	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.88	23.33	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.58	22.03	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.22	22.67	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.09	22.54	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	22.13	22.58	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	22.06	22.51	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	22.06	22.51	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.96	22.41	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	21.33	21.78	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.26	22.71	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.18	22.63	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.16	22.61	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	22.13	22.58	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	22.09	22.54	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	22.04	22.49	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.30	21.75	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.29	22.74	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.13	22.58	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.23	22.68	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	22.16	22.61	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	22.17	22.62	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.99	22.44	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.29	21.74	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.01	23.46	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.53	23.98	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.84	24.29	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.78	23.23	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.86	23.31	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.76	23.21	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.75	23.2	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	3MHz	QPSK	20175	1RB#0	23.36	23.81	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.68	24.13	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.83	24.28	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.90	23.35	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.66	23.11	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.81	23.26	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.80	23.25	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.45	23.9	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.64	24.09	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.41	23.86	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.65	23.1	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.90	23.35	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.69	23.14	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.91	23.36	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.28	23.73	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.25	23.7	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.23	23.68	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.04	22.49	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.99	22.44	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.04	22.49	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.81	22.26	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.11	23.56	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.19	23.64	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.02	23.47	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.22	22.67	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.07	22.52	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.03	22.48	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.85	22.3	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.99	23.44	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.13	23.58	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.21	23.66	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.12	22.57	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.26	22.71	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.99	22.44	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.93	22.38	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.41	22.86	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.41	22.86	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	22.24	22.69	30.00	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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	3MHz	64QAM	19965	8RB#0	21.35	21.8	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	21.40	21.85	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	21.37	21.82	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	21.30	21.75	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.43	22.88	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.20	22.65	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.30	22.75	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	21.40	21.85	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	21.62	22.07	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	21.40	21.85	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.41	21.86	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	22.55	23	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.32	22.77	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.31	22.76	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	21.41	21.86	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	21.64	22.09	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	21.38	21.83	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.47	21.92	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.97	23.42	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.61	24.06	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.87	24.32	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.77	23.22	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.82	23.27	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.75	23.2	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.83	23.28	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.28	23.73	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.73	24.18	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.80	24.25	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.71	23.16	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.78	23.23	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.75	23.2	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.68	23.13	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.64	24.09	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.48	23.93	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.51	23.96	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.81	23.26	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.93	23.38	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.77	23.22	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	5MHz	QPSK	20375	25RB#0	22.87	23.32	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.23	23.68	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.20	23.65	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.09	23.54	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.98	22.43	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.01	22.46	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.05	22.5	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.79	22.24	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.08	23.53	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.17	23.62	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.00	23.45	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.02	22.47	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.05	22.5	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.02	22.47	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.80	22.25	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.07	23.52	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.14	23.59	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.01	23.46	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.99	22.44	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.20	22.65	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.09	22.54	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.06	22.51	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.46	22.91	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.26	22.71	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.31	22.76	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	21.37	21.82	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	21.41	21.86	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	21.37	21.82	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.42	21.87	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.42	22.87	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.26	22.71	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.44	22.89	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	21.46	21.91	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	21.50	21.95	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	21.33	21.78	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	21.40	21.85	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.55	23	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	22.42	22.87	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	5MHz	64QAM	20375	1RB#24	22.15	22.6	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	21.32	21.77	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	21.64	22.09	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	21.35	21.8	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.45	21.9	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.03	23.48	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.61	24.06	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.90	24.35	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.83	23.28	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.80	23.25	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.78	23.23	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.80	23.25	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.36	23.81	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.75	24.2	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.87	24.32	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.81	23.26	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.74	23.19	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.76	23.21	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.77	23.22	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.55	24	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.54	23.99	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.49	23.94	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.75	23.2	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.95	23.4	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.73	23.18	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.86	23.31	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.21	23.66	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.23	23.68	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.14	23.59	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.00	22.45	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.04	22.49	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.07	22.52	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.83	22.28	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.16	23.61	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.20	23.65	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.06	23.51	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.12	22.57	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.15	22.6	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 | t (86-755) 26012053 f (86-755) 26710594 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	10MHz	16QAM	20175	25RB#25	22.06	22.51	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.89	22.34	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.02	23.47	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.21	23.66	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.11	23.56	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.09	22.54	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.19	22.64	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.99	22.44	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.98	22.43	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.43	22.88	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.29	22.74	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.21	22.66	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	21.48	21.93	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	21.44	21.89	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	21.33	21.78	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.34	21.79	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.38	22.83	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.33	22.78	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.40	22.85	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	21.41	21.86	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	21.49	21.94	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	21.28	21.73	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.32	21.77	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.56	23.01	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.33	22.78	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.28	22.73	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	21.49	21.94	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	21.56	22.01	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	21.38	21.83	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.48	21.93	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.96	23.41	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.55	24	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.00	24.45	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.86	23.31	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.72	23.17	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.80	23.25	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.81	23.26	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.28	23.73	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 | t (86-755) 26012053 f (86-755) 26710594 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	15MHz	QPSK	20175	1RB#38	23.83	24.28	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.82	24.27	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.77	23.22	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.79	23.24	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.82	23.27	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.84	23.29	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.55	24	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.60	24.05	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.51	23.96	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.76	23.21	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.87	23.32	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.71	23.16	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.80	23.25	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.26	23.71	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.17	23.62	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.09	23.54	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.95	22.4	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.00	22.45	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.04	22.49	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.86	22.31	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.26	23.71	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.20	23.65	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.09	23.54	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.12	22.57	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.11	22.56	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.14	22.59	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.99	22.44	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.08	23.53	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.25	23.7	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.09	23.54	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.00	22.45	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.28	22.73	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.08	22.53	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.06	22.51	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.51	22.96	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.33	22.78	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	22.36	22.81	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#0	21.38	21.83	30.00	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	15MHz	64QAM	20025	38RB#18	21.57	22.02	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	21.43	21.88	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	21.34	21.79	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.51	22.96	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.32	22.77	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.40	22.85	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	21.39	21.84	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	21.55	22	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	21.40	21.85	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.34	21.79	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.53	22.98	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.41	22.86	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.31	22.76	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	21.41	21.86	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	21.58	22.03	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	21.38	21.83	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.34	21.79	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.00	23.45	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.68	24.13	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.84	24.29	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.78	23.23	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.83	23.28	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.71	23.16	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.83	23.28	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.33	23.78	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.72	24.17	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.85	24.3	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.75	23.2	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.67	23.12	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.67	23.12	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.86	23.31	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.48	23.93	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.45	23.9	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.56	24.01	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.70	23.15	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.85	23.3	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.81	23.26	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.77	23.22	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-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](http://www.sgsgroup.com.cn)  
邮编: 518057 | t (86-755) 26012053 f (86-755) 26710594 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	20MHz	16QAM	20050	1RB#0	23.17	23.62	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.19	23.64	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.18	23.63	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.98	22.43	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.14	22.59	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.01	22.46	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.77	22.22	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.21	23.66	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.16	23.61	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.12	23.57	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.20	22.65	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.17	22.62	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.99	22.44	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.99	22.44	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.95	23.4	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.13	23.58	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.19	23.64	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.19	22.64	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.12	22.57	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.02	22.47	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.89	22.34	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.42	22.87	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.31	22.76	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.30	22.75	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	21.40	21.85	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	21.47	21.92	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.42	21.87	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.32	21.77	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.46	22.91	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.27	22.72	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	22.34	22.79	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	21.48	21.93	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	21.57	22.02	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	21.37	21.82	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.42	21.87	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.48	22.93	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.32	22.77	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	22.24	22.69	30.00	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Band4	20MHz	64QAM	20300	50RB#0	21.41	21.86	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.60	22.05	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	21.38	21.83	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.41	21.86	30.00	PASS

Remark:

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

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

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

The conducted Power is measured by Base Station Simulator



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

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

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

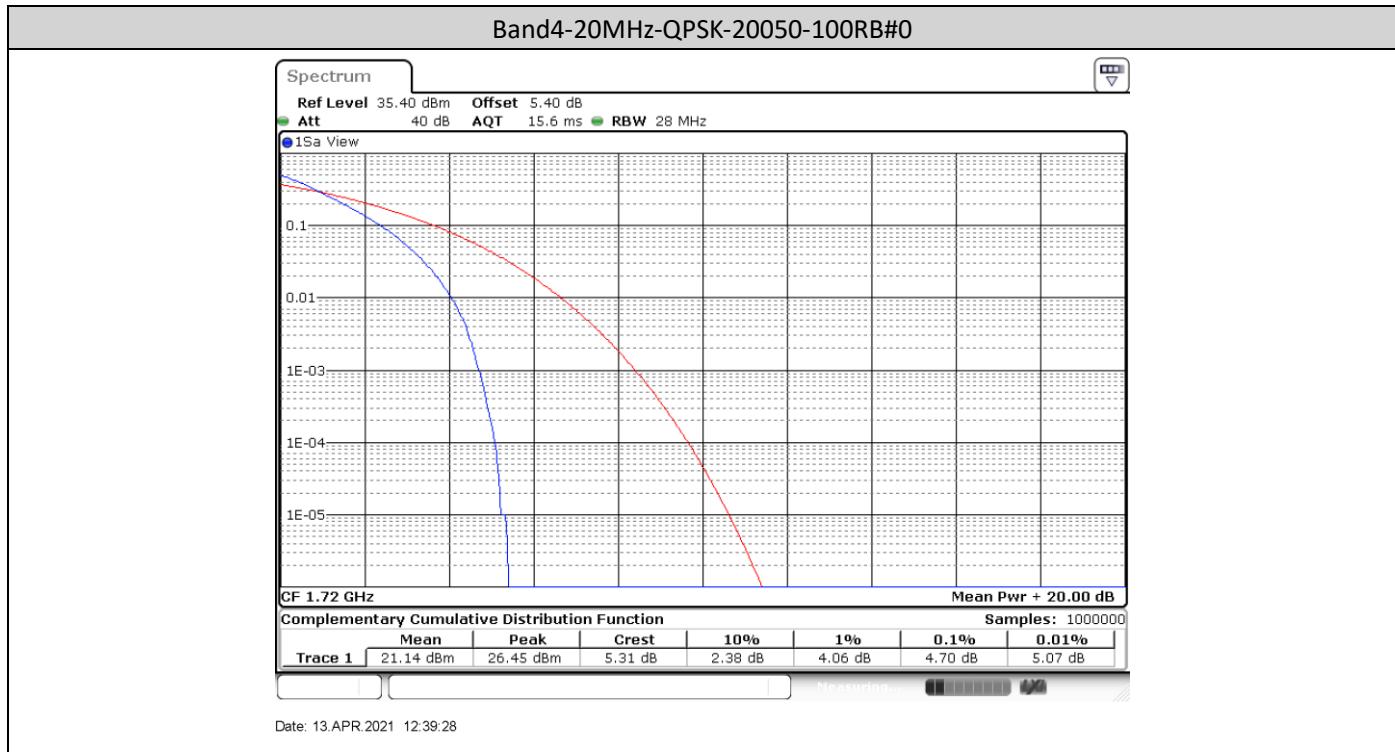
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## 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	4.70	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.78	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.90	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.00	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.14	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.59	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.54	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.74	13	PASS

### 2.2. Test Plots



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

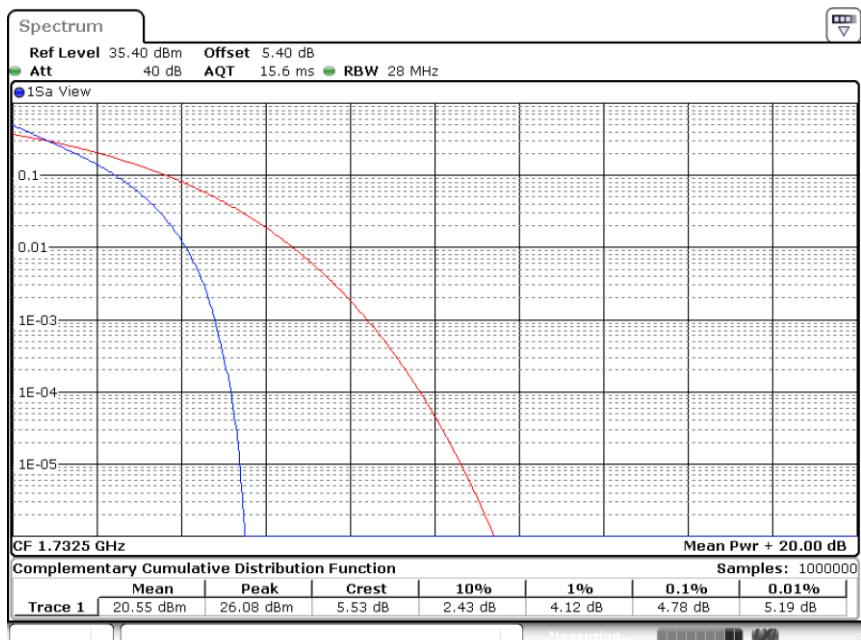
Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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

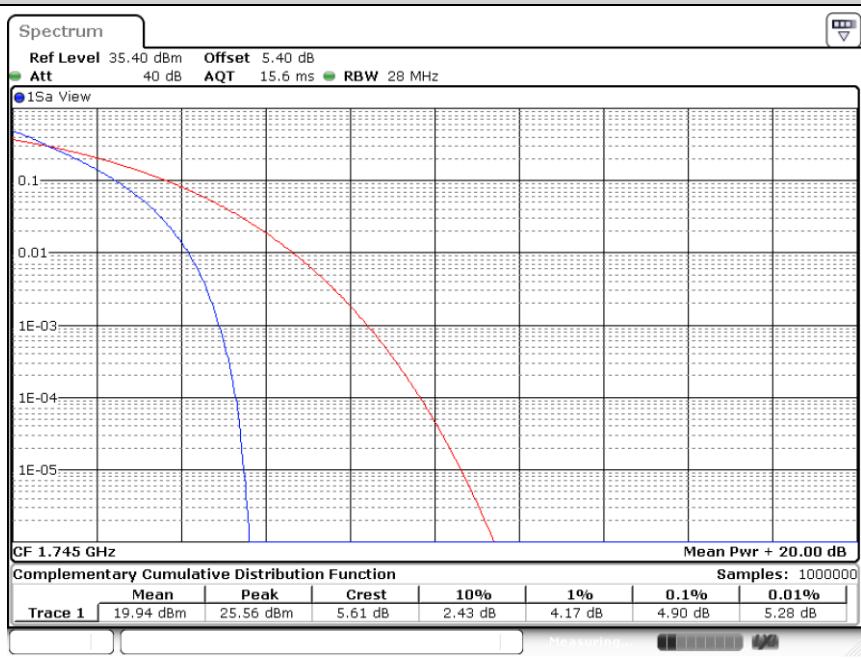
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 | (86-755) 26012053 f (86-755) 26710594 | [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·深圳·科技园中区M-10栋一号厂房 | 邮编: 518057 | (86-755) 26012053 f (86-755) 26710594 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

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



Date: 13.APR.2021 12:39:51

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



Date: 13.APR.2021 12:40:13

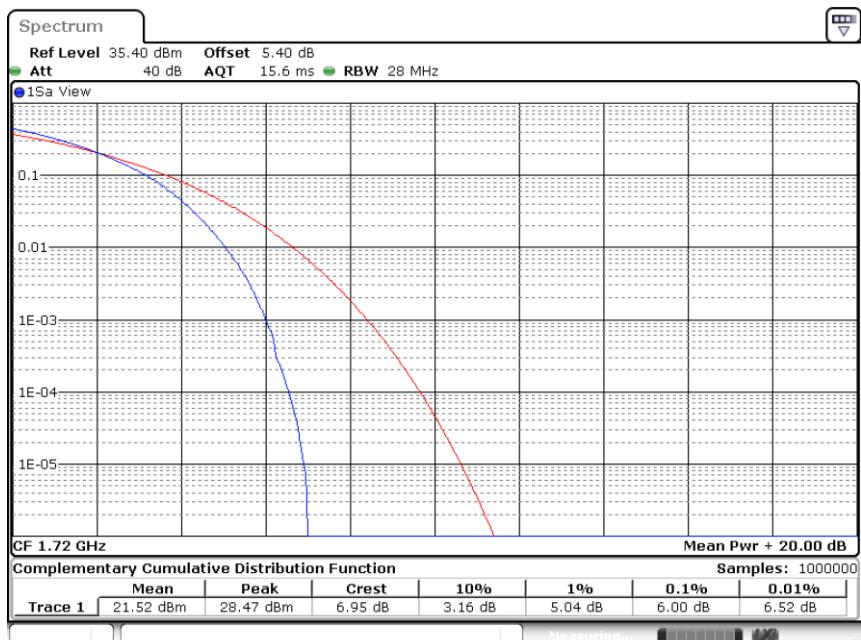
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



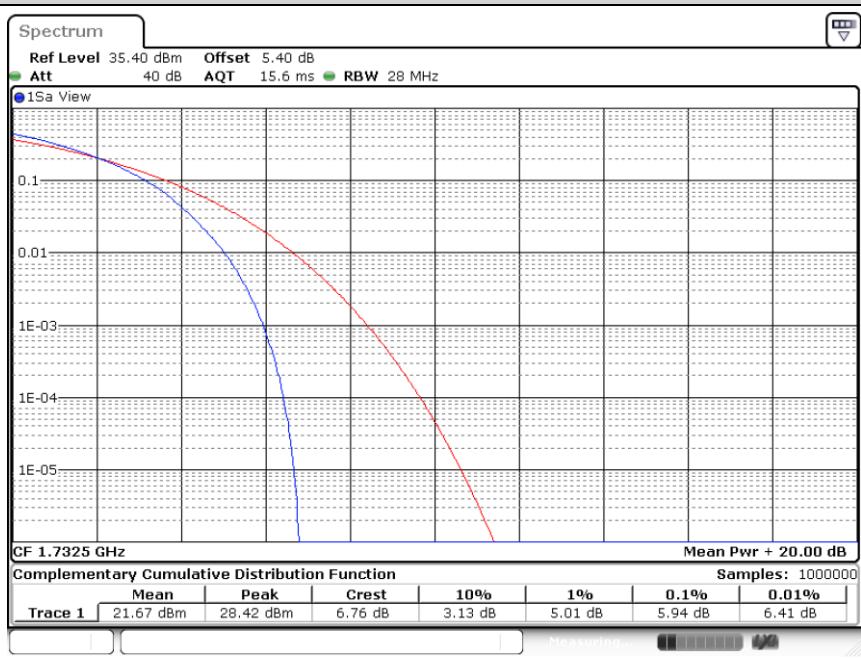
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)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

## Band4-20MHz-64QAM-20050-100RB#0



Date: 13.APR.2021 23:35:24

## Band4-20MHz-64QAM-20175-100RB#0



Date: 13.APR.2021 23:35:45

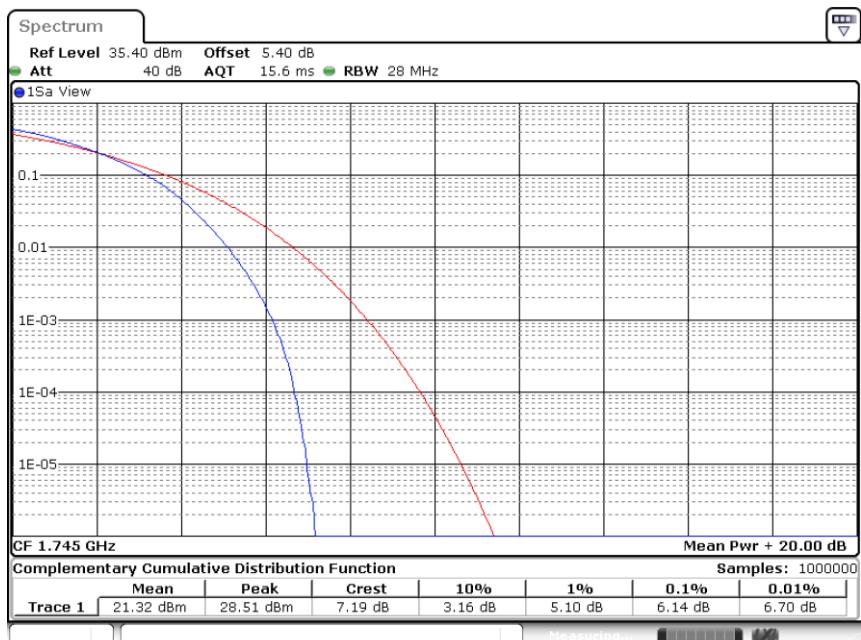
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



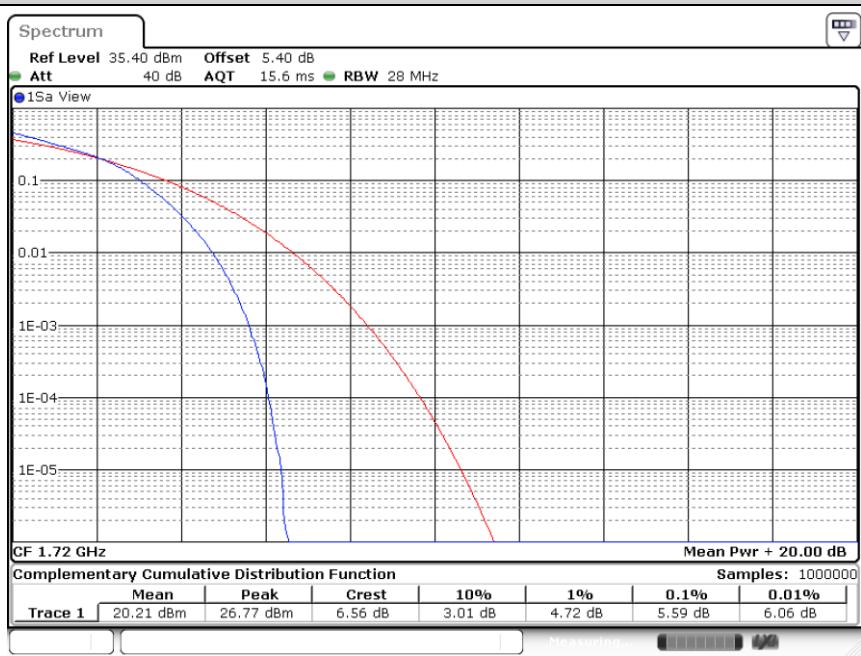
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)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

## Band4-20MHz-64QAM-20300-100RB#0



Date: 13.APR.2021 23:35:56

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



Date: 13.APR.2021 12:39:39

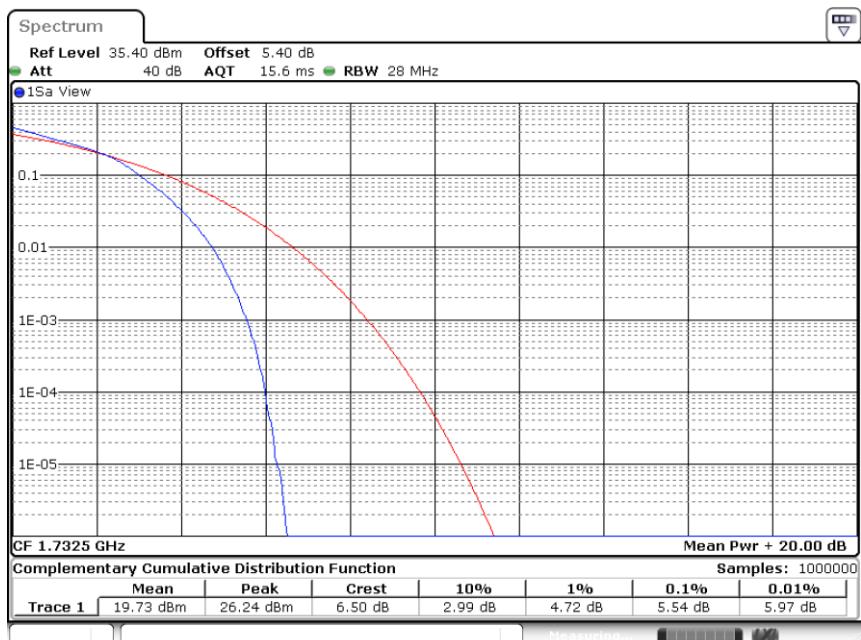
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

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



Date: 13.APR.2021 12:40:02

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



Date: 13.APR.2021 12:40:24

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.

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

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

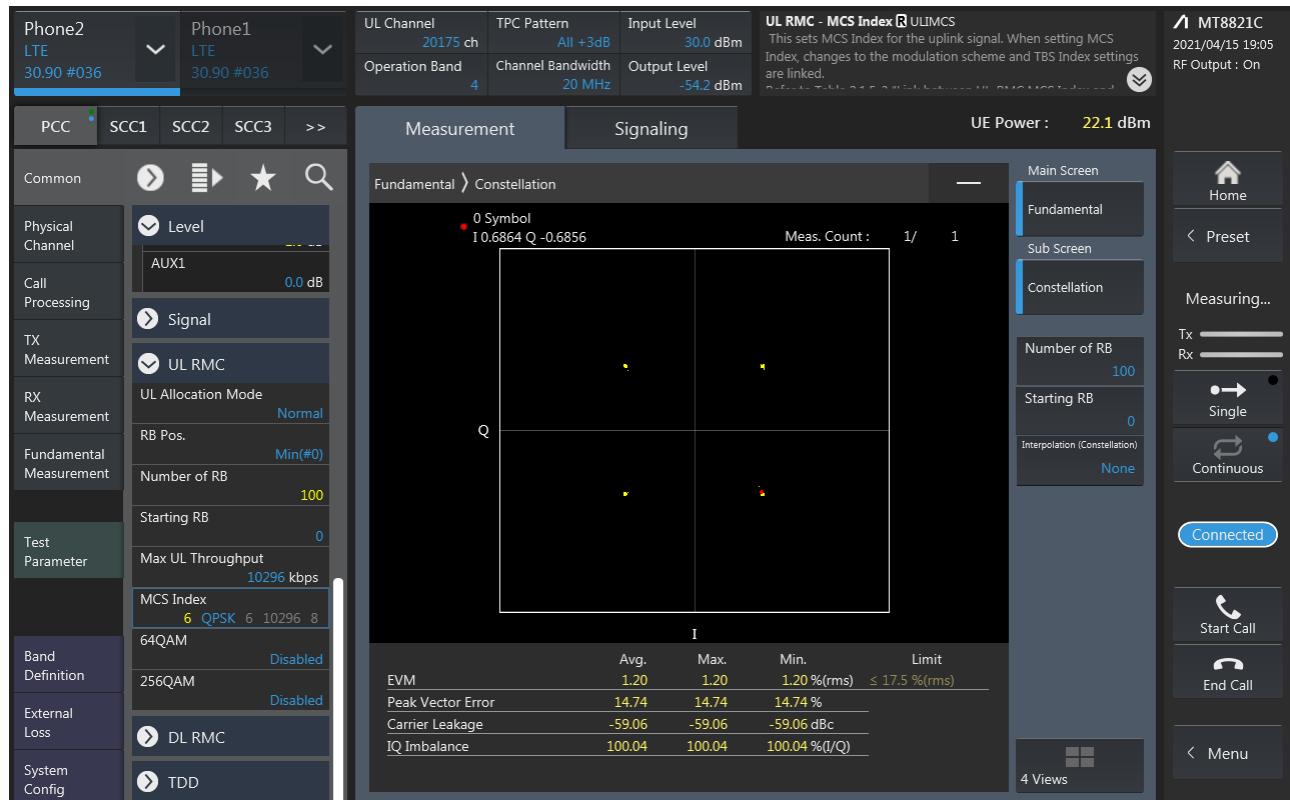


No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH



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

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



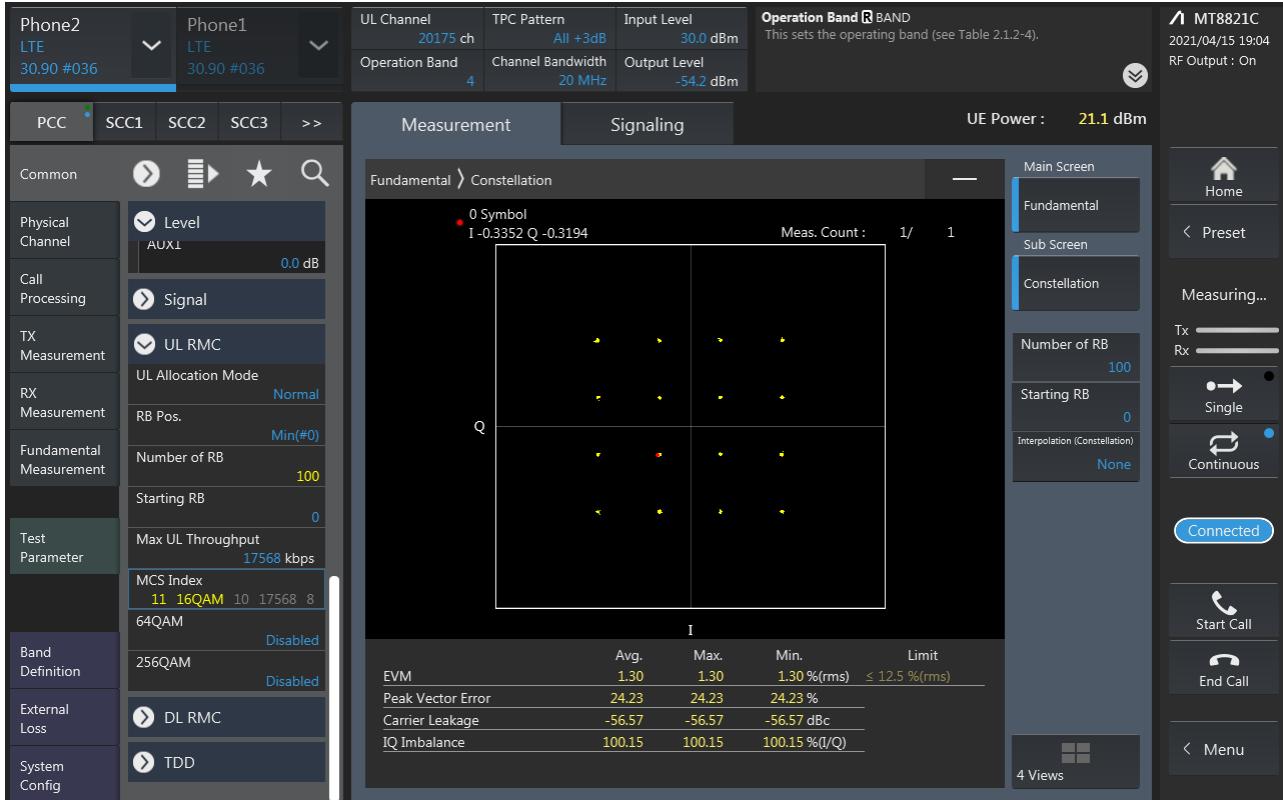
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
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-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 herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: 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)

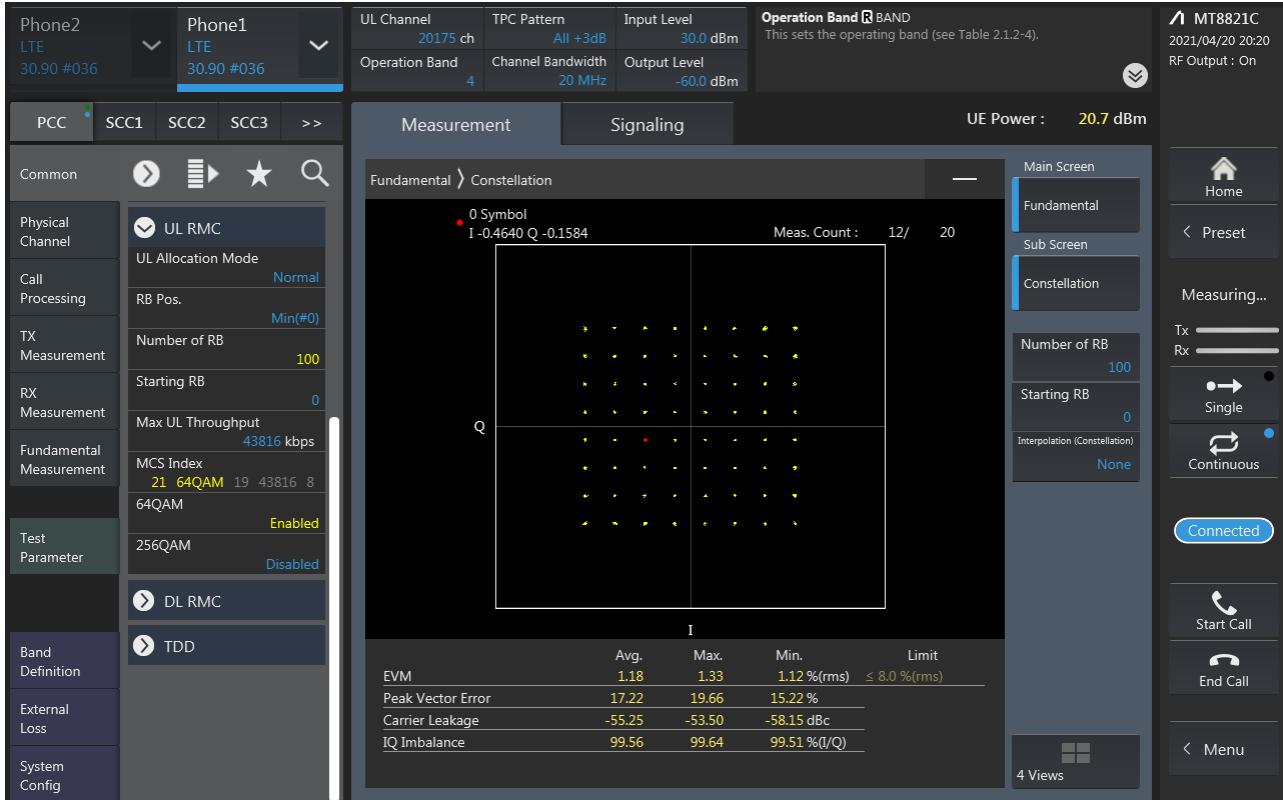


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

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](http://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](mailto:sgs.china@sgs.com)

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

#### 3.3.1. Test Channel = MCH



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

Attention: 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](http://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](mailto:sgs.china@sgs.com)

## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.094	1.245	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.227	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.094	1.251	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.245	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.097	1.245	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.248	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.251	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.097	1.254	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.257	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.703	3.054	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.703	3.066	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	3.054	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.703	3.036	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.703	3.042	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.703	3.048	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.697	3.048	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.697	3.036	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.697	3.036	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.910	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.930	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.910	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.880	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.910	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.466	4.870	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.920	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.930	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.940	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.760	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.800	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.760	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.780	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](http://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](mailto:sgs.china@sgs.com)



Band4	10MHz	64QAM	20175	50RB#0	8.951	9.760	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.951	9.820	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.780	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.951	9.820	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.820	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	15.000	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.310	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.970	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.487	15.000	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.970	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.457	15.030	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	15.060	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.516	15.000	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.487	15.030	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.760	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.942	19.880	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.942	19.800	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.902	19.640	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.902	19.680	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.942	19.720	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.942	19.720	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.942	19.800	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.982	19.840	PASS

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

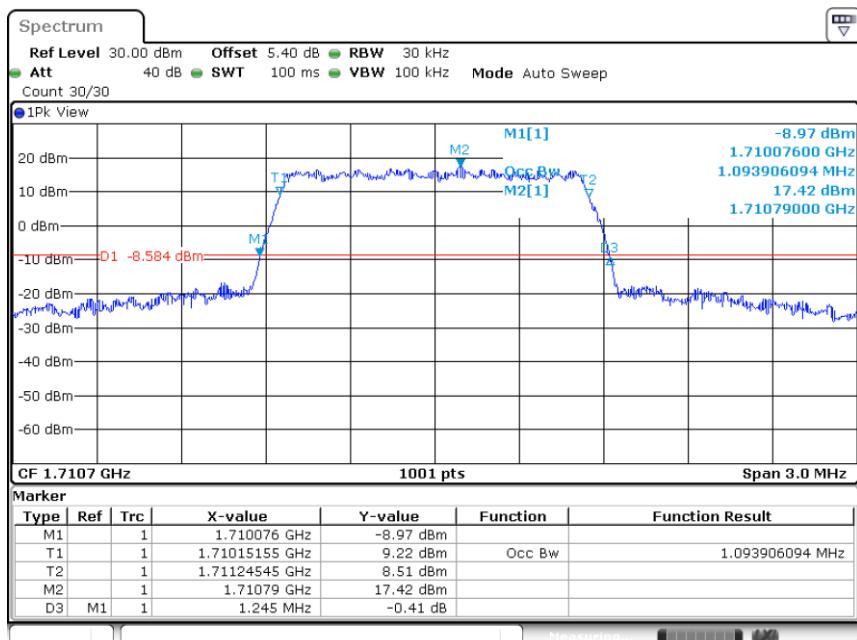
**Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)**



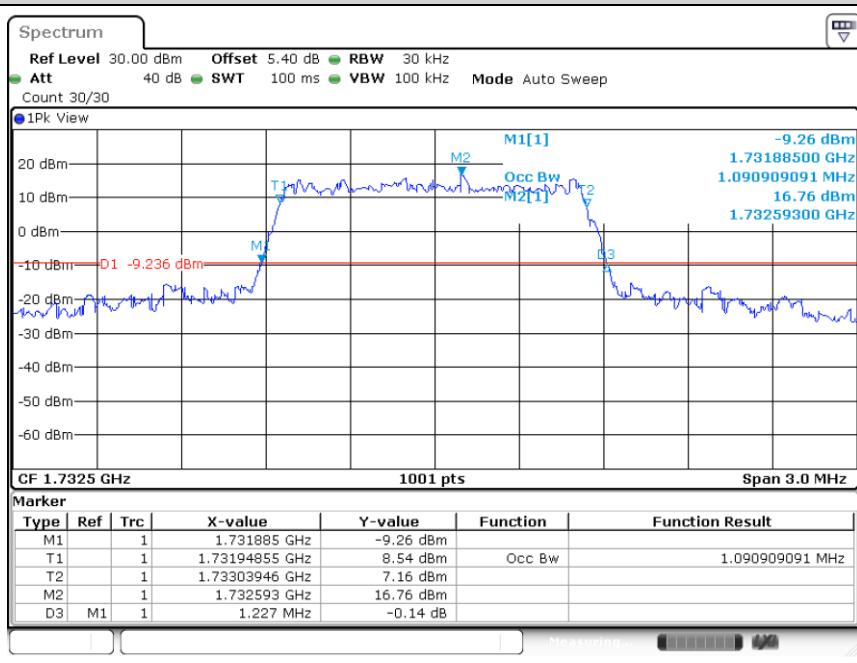
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## 4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.094



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



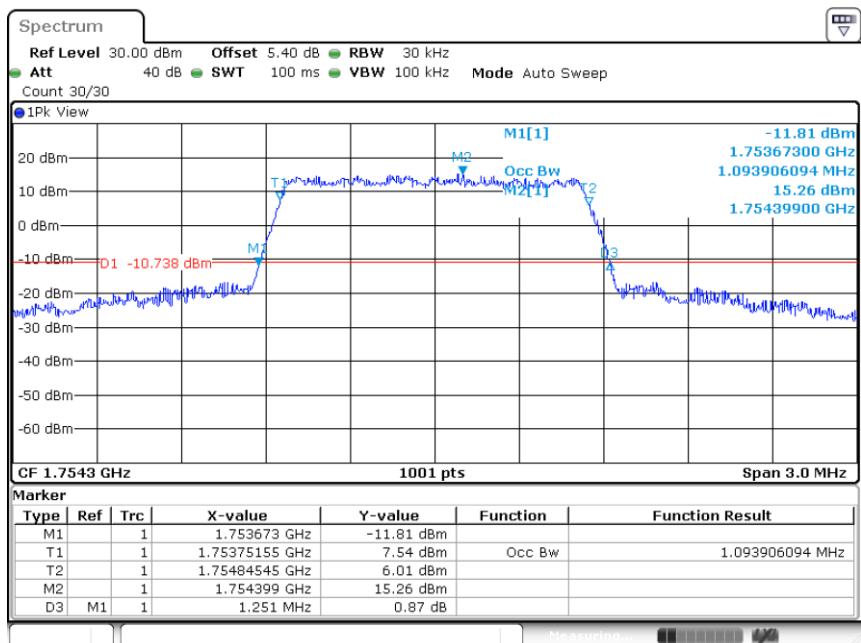
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



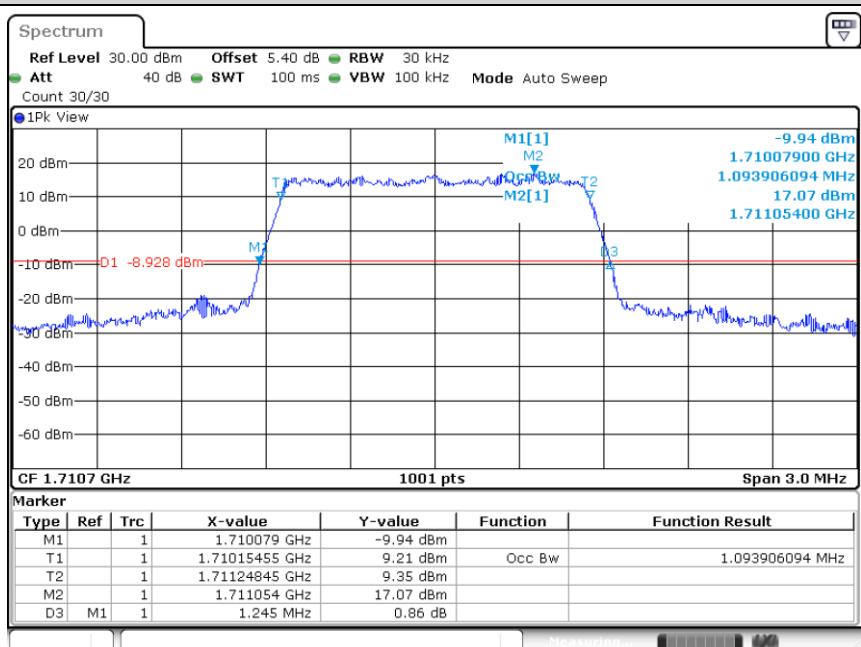
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房  
邮编: 518057  
t (86-755) 26012053 f (86-755) 26710594  
www.sgsgroup.com.cn  
sgs.china@sgs.com

## Band4-1.4MHz-QPSK-20393-6RB#0-1.094



Date: 13.APR.2021 12:03:24

## Band4-1.4MHz-64QAM-19957-6RB#0-1.094



Date: 13.APR.2021 23:20:00

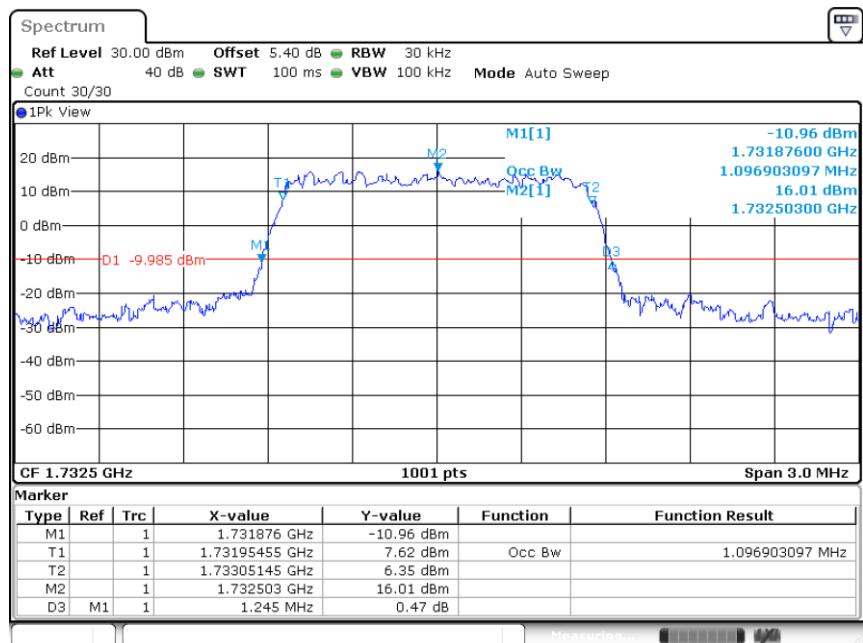
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



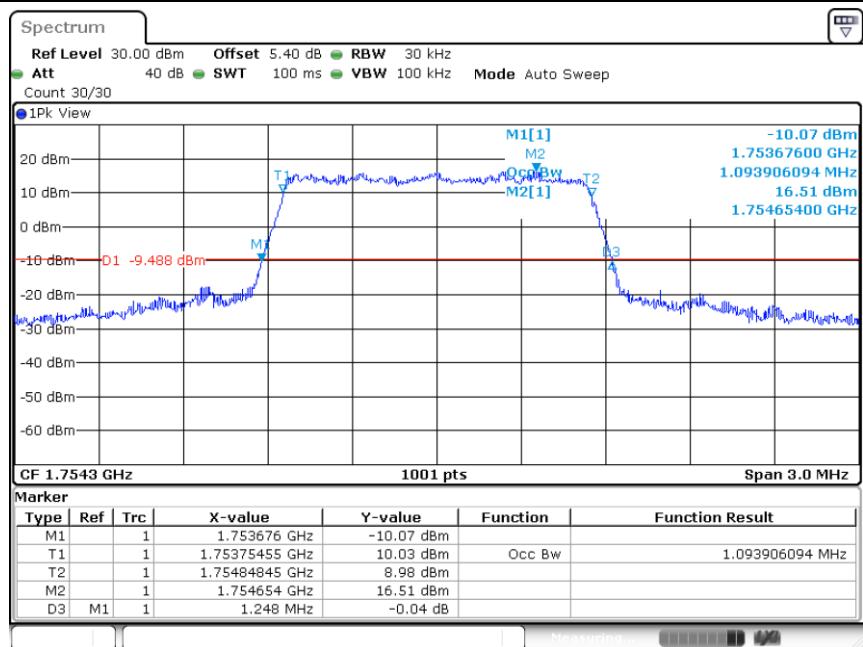
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053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

## Band4-1.4MHz-64QAM-20175-6RB#0-1.097



Date: 13.APR.2021 23:20:13

## Band4-1.4MHz-64QAM-20393-6RB#0-1.094



Date: 13.APR.2021 23:20:26

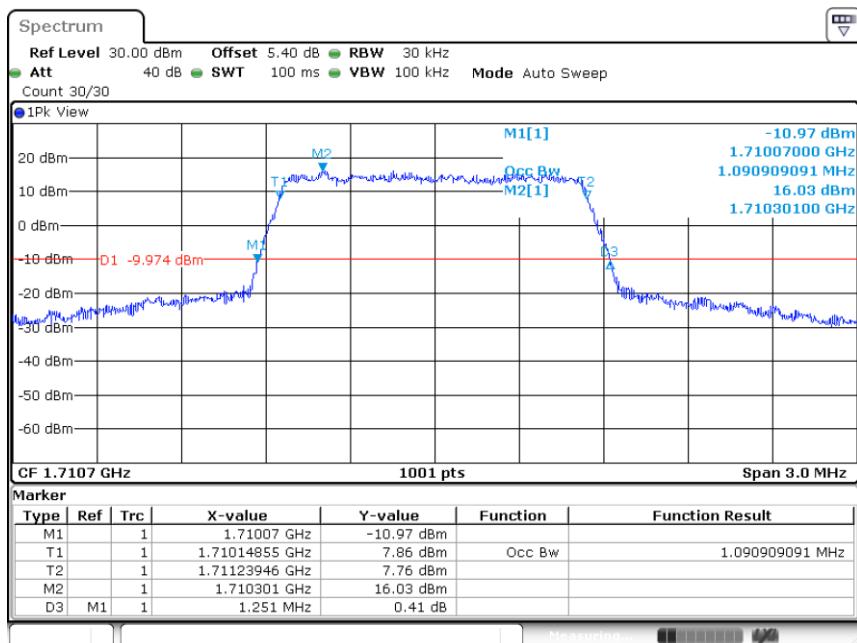
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



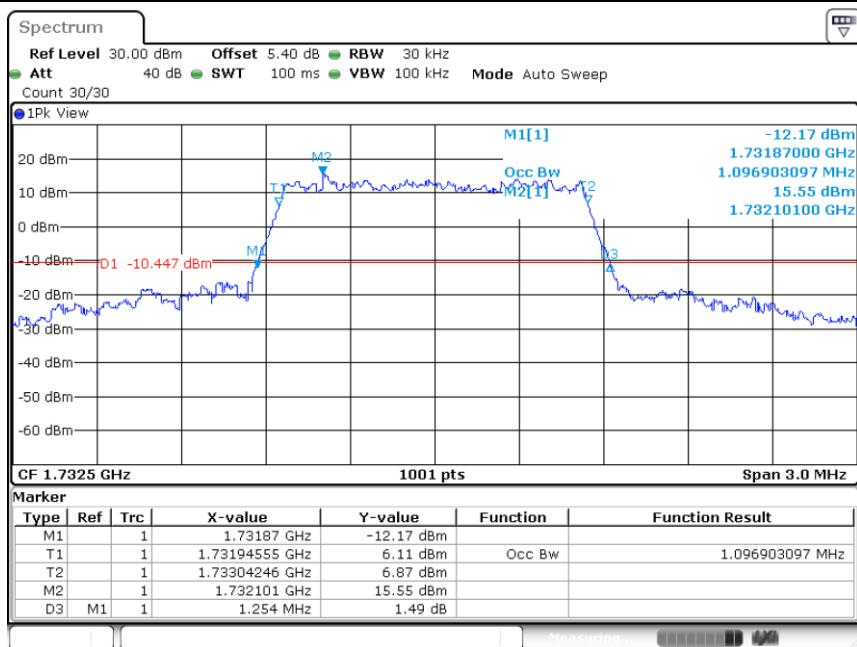
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一楼厂房  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
sgs.china@sgs.com

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



Date: 13.APR.2021 12:02:46

## Band4-1.4MHz-16QAM-20175-6RB#0-1.097



Date: 13.APR.2021 12:03:11

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

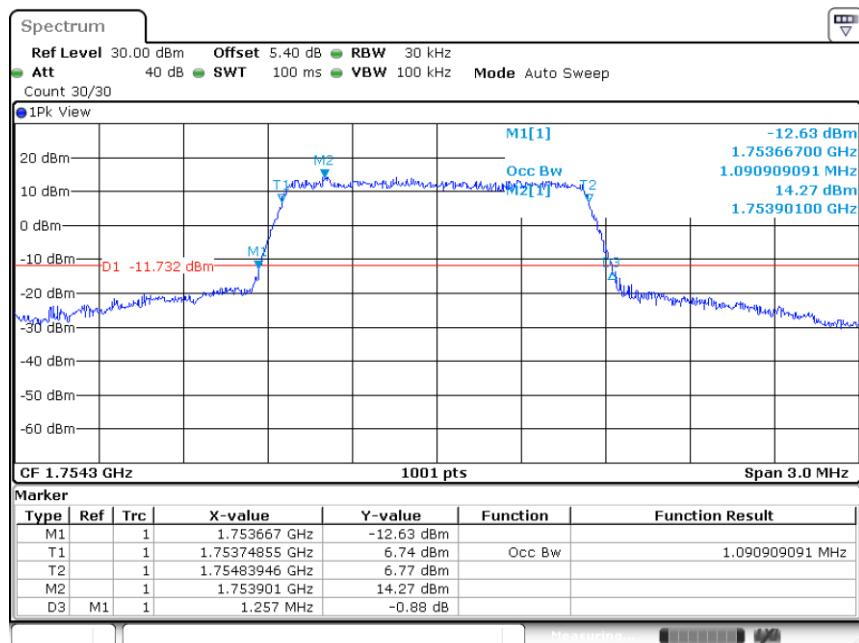
Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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

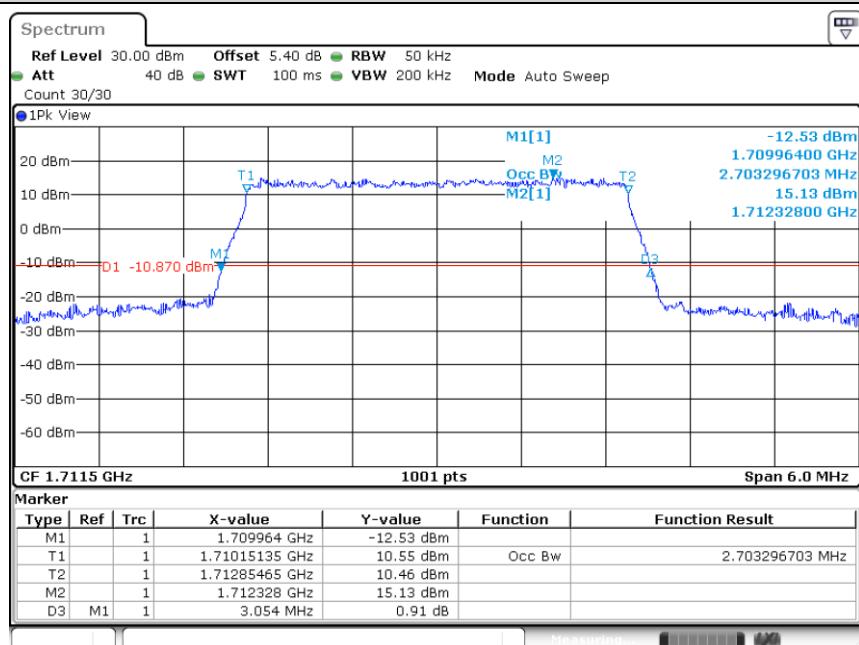
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 13.APR.2021 12:03:37

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



Date: 13.APR.2021 12:03:54

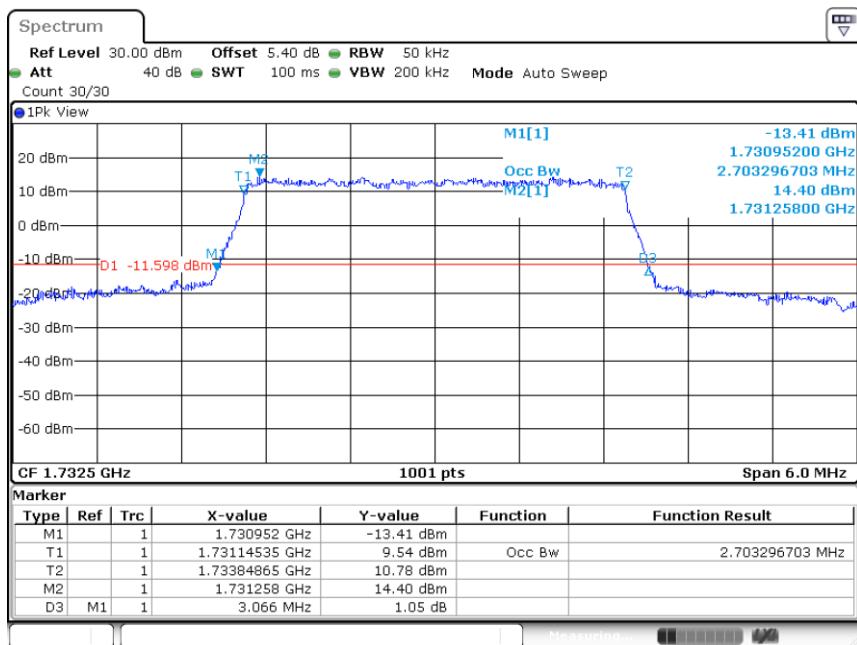
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



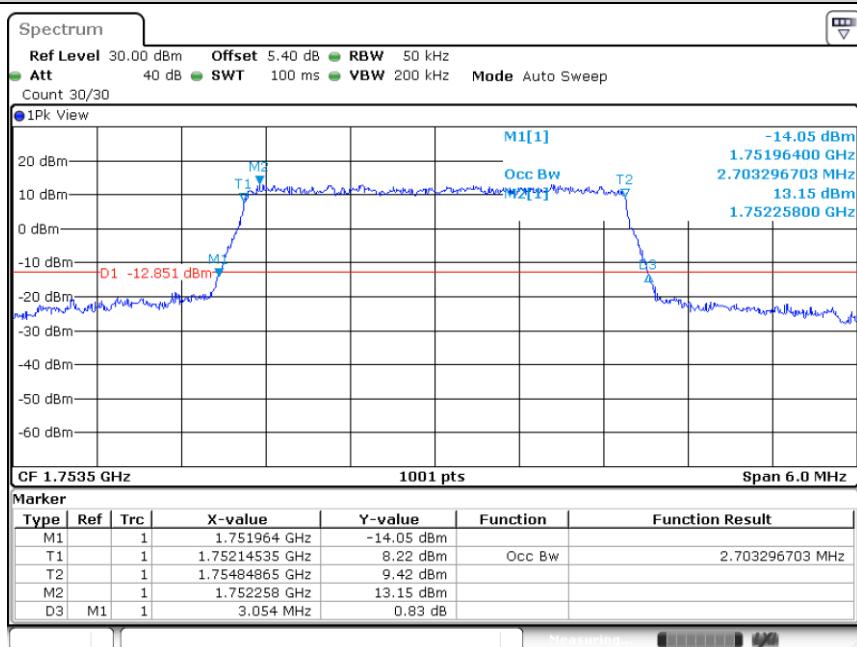
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594  
www.sgsgroup.com.cn  
sgs.china@sgs.com

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



Date: 13.APR.2021 12:04:20

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



Date: 13.APR.2021 12:04:46

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

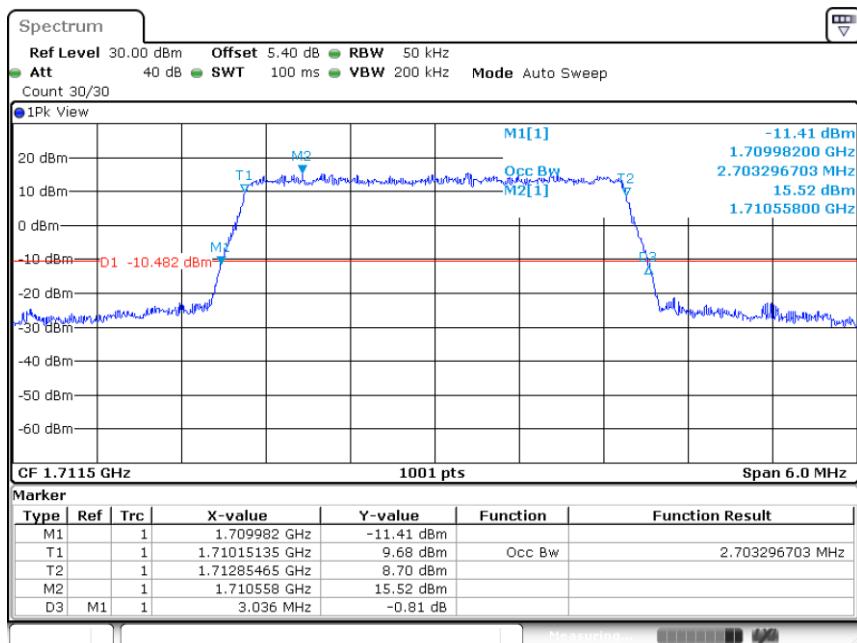
Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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

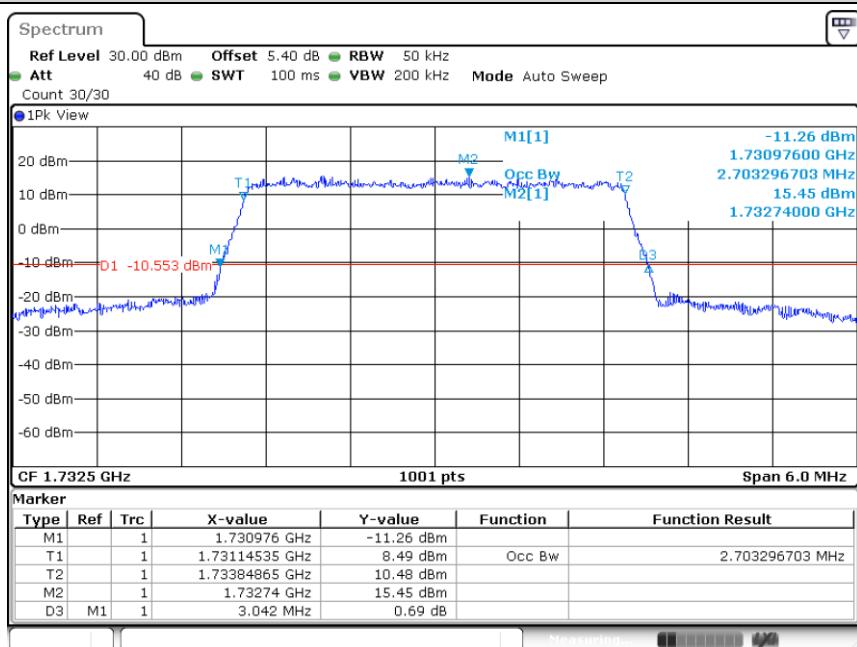
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## Band4-3MHz-64QAM-19965-15RB#0-2.703



Date: 13.APR.2021 23:20:44

## Band4-3MHz-64QAM-20175-15RB#0-2.703



Date: 13.APR.2021 23:20:57

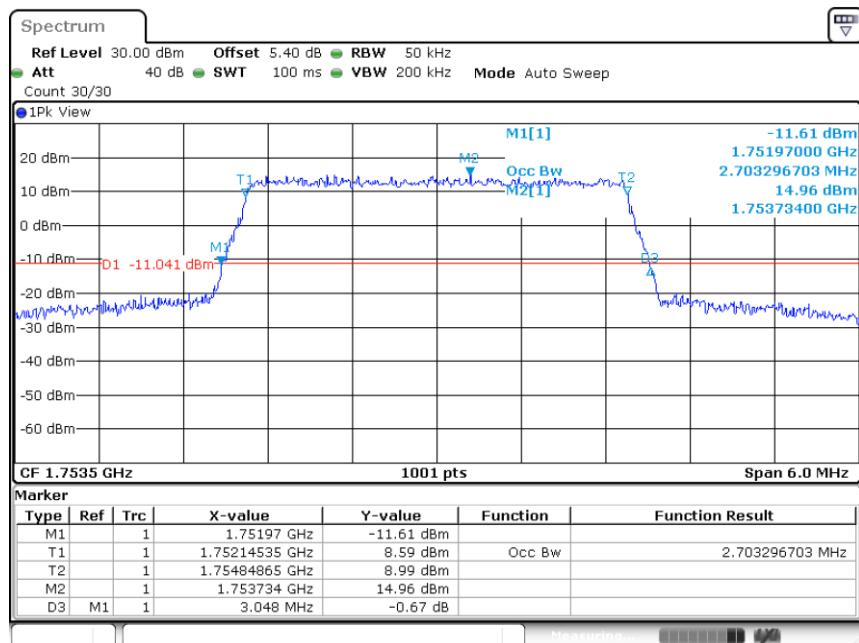
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



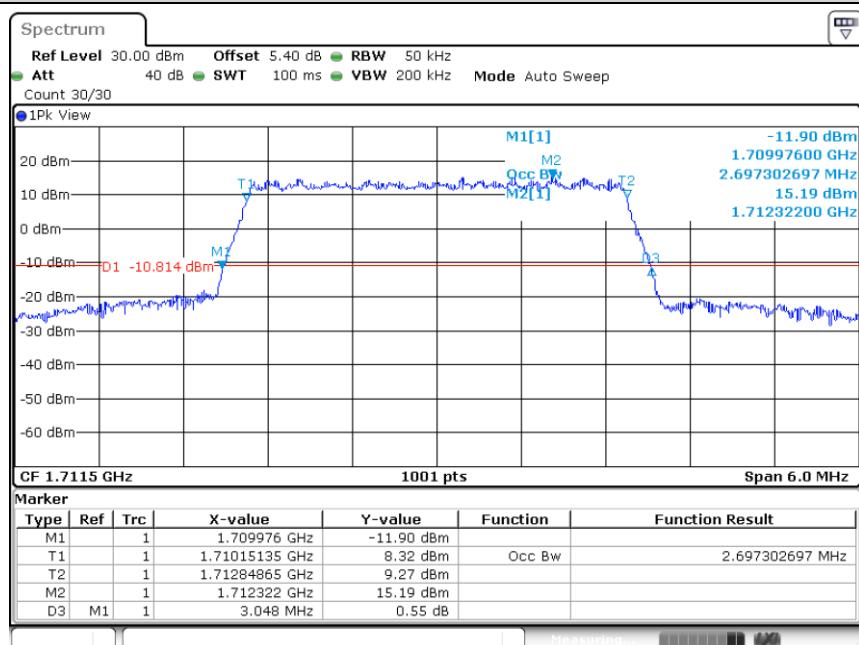
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053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

## Band4-3MHz-64QAM-20385-15RB#0-2.703



Date: 13.APR.2021 23:21:10

## Band4-3MHz-16QAM-19965-15RB#0-2.697



Date: 13.APR.2021 12:04:07

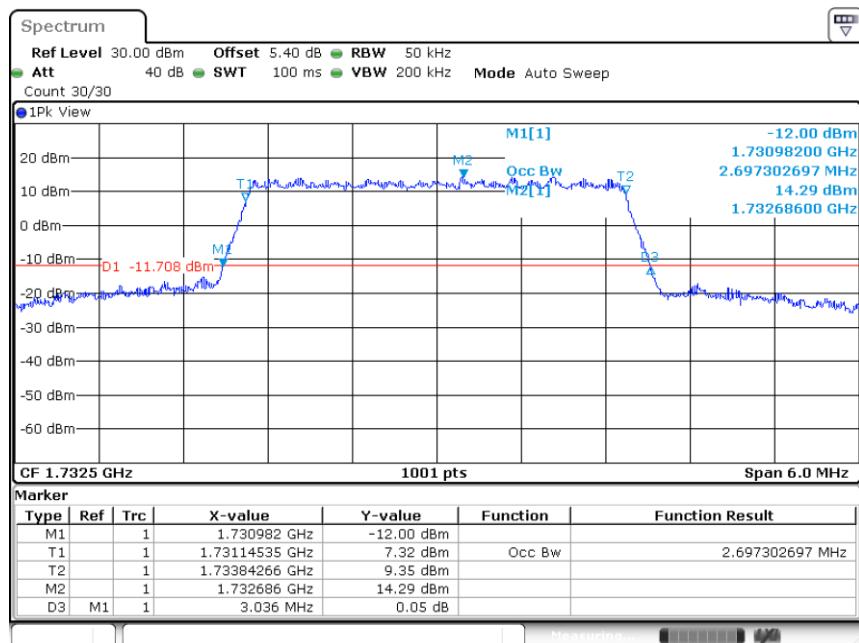
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



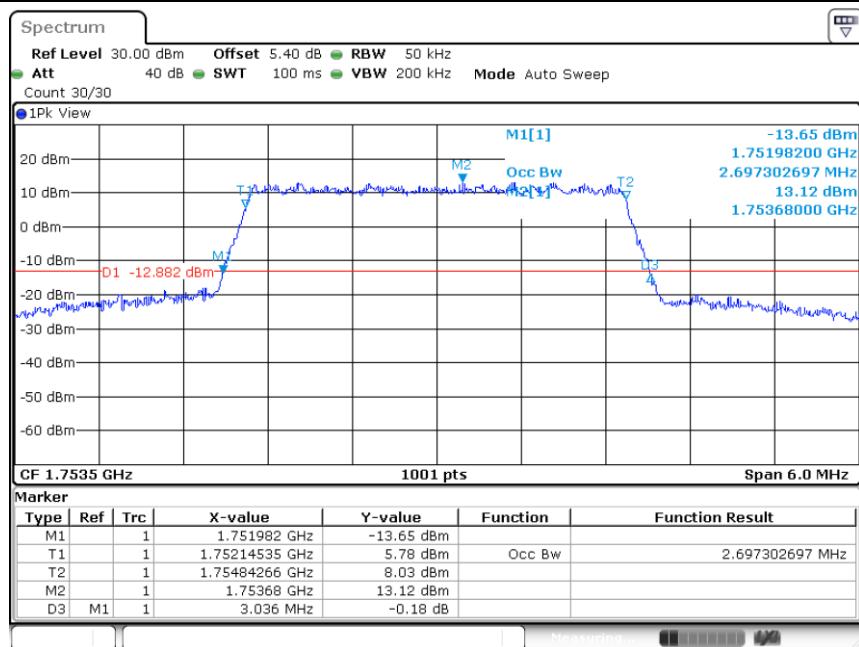
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房  
邮编: 518057  
t (86-755) 26012053 f (86-755) 26710594  
www.sgsgroup.com.cn  
sgs.china@sgs.com

## Band4-3MHz-16QAM-20175-15RB#0-2.697



Date: 13.APR.2021 12:04:33

## Band4-3MHz-16QAM-20385-15RB#0-2.697



Date: 13.APR.2021 12:04:58

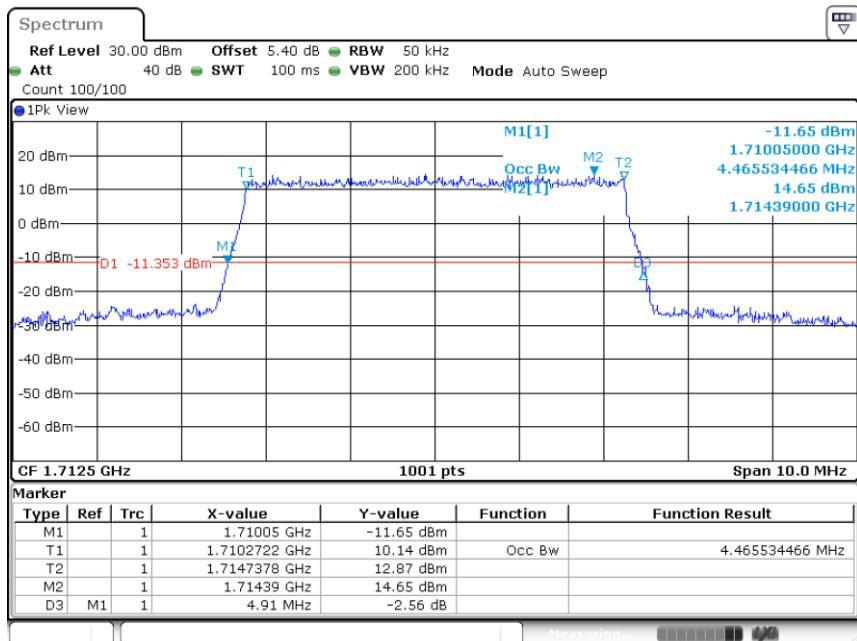
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



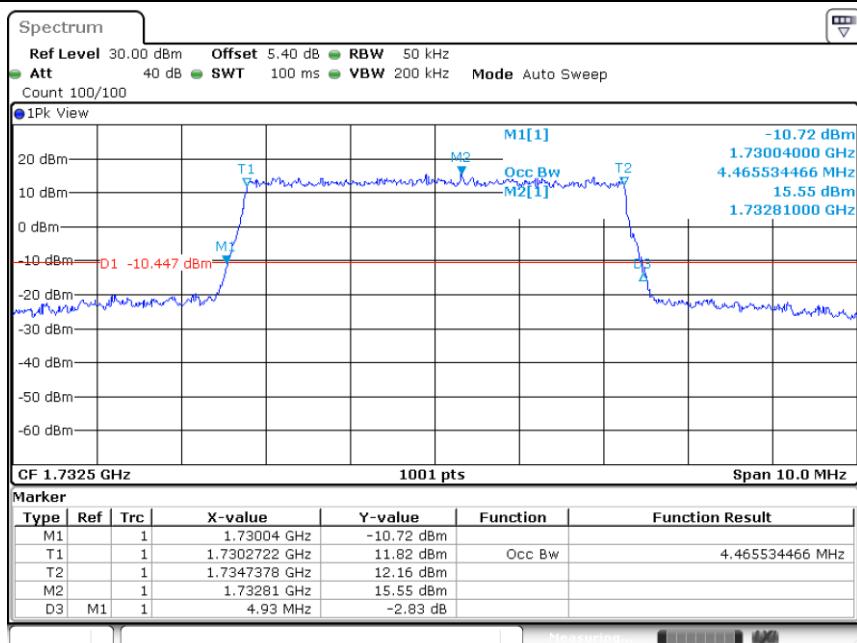
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Co., Ltd.  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房  
邮编: 518057  
t (86-755) 26012053 f (86-755) 26710594  
www.sgsgroup.com.cn  
sgs.china@sgs.com

## Band4-5MHz-QPSK-19975-25RB#0-4.466



Date: 13.APR.2021 12:05:23

## Band4-5MHz-QPSK-20175-25RB#0-4.466



Date: 13.APR.2021 12:06:02

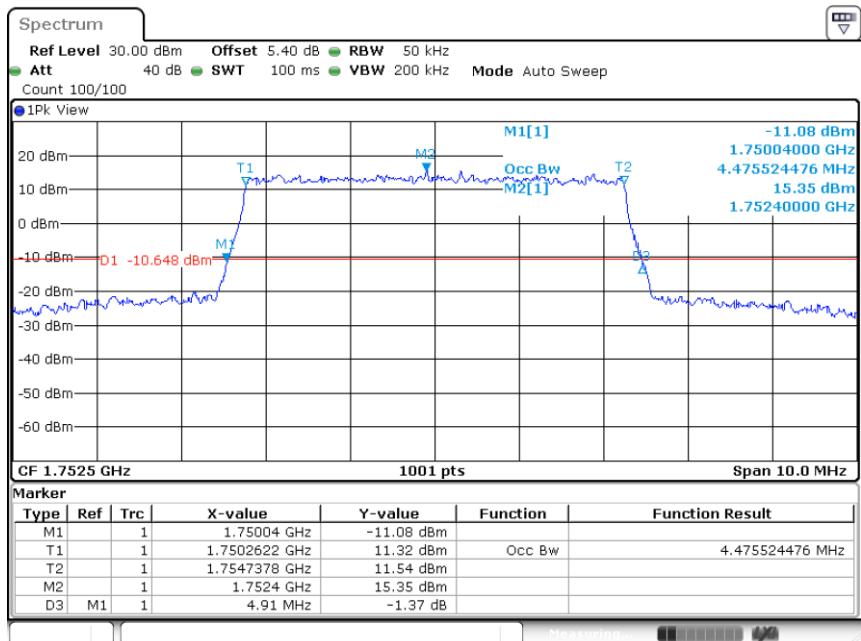
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



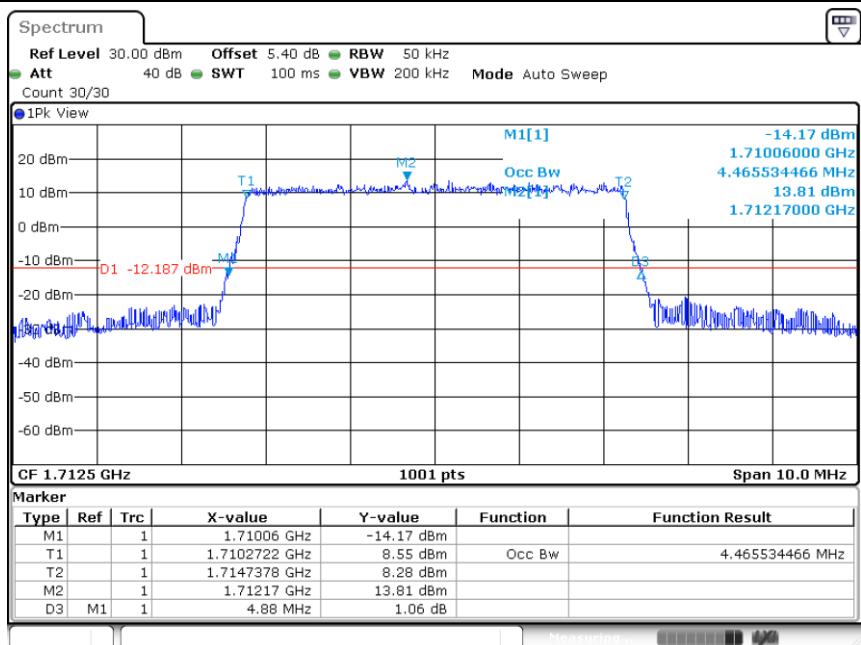
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594  
www.sgsgroup.com.cn  
sgs.china@sgs.com

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



Date: 13.APR.2021 12:06:42

## Band4-5MHz-64QAM-19975-25RB#0-4.466



Date: 13.APR.2021 23:21:28

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

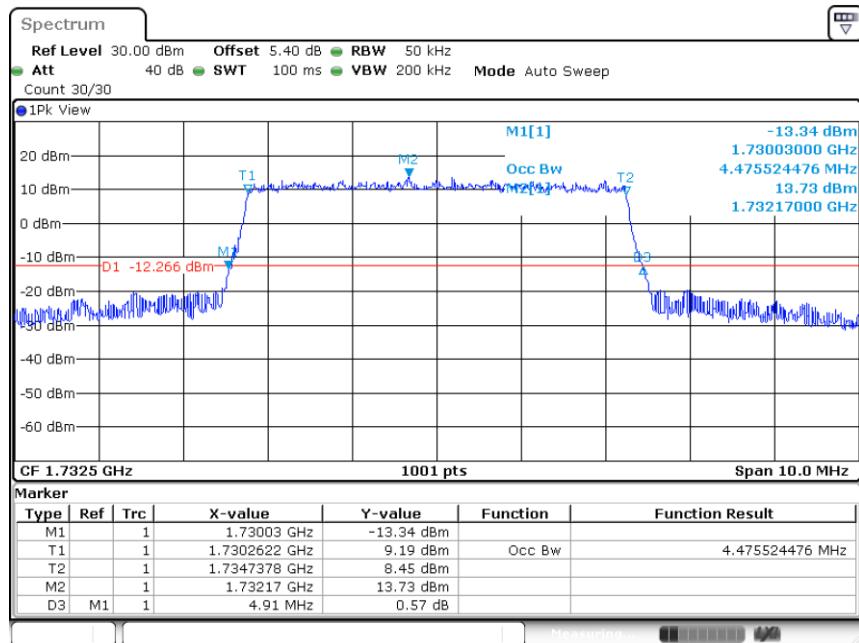
Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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

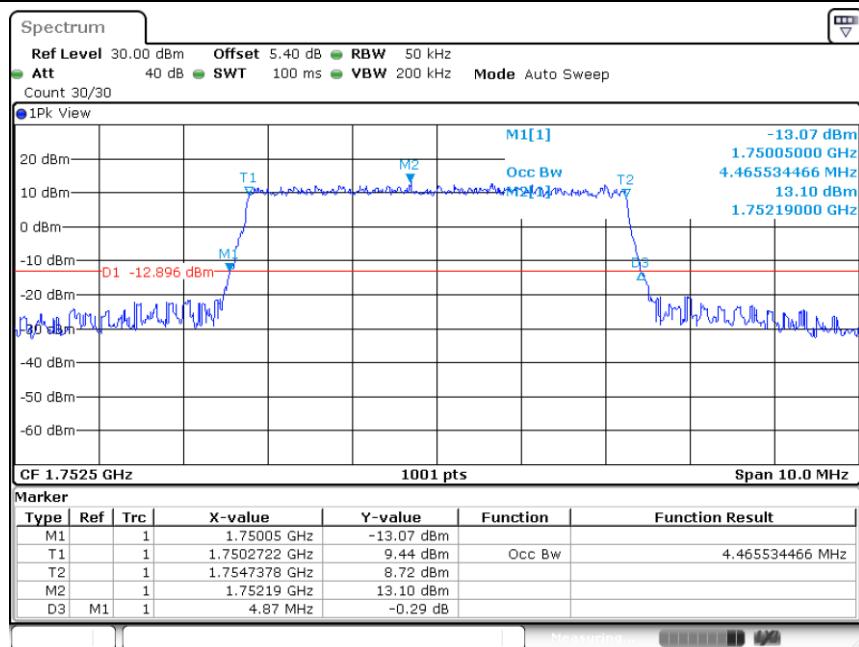
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 13.APR.2021 23:21:41

## Band4-5MHz-64QAM-20375-25RB#0-4.466



Date: 13.APR.2021 23:21:54

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

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



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

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