

Appendix B

E-UTRA Band 5



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

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

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER4

 1.1. TEST RESULT 4

2. PEAK-TO-AVERAGE RATIO (CCDF).....20

 2.1. TEST RESULT 20

 2.2. TEST PLOTS..... 20

3. MODULATION CHARACTERISTICS.....25

 3.1. TEST MODE = LTE /TM1 10MHZ 25

 3.1.1. TEST CHANNEL = MCH 25

 3.2. TEST MODE = LTE /TM2 10MHZ 26

 3.2.1. TEST CHANNEL = MCH 26

 3.3. TEST MODE = LTE /TM3 10MHZ 27

 3.3.1. TEST CHANNEL = MCH 27

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH28

 4.1. TEST RESULT 28

 4.2. TEST PLOTS..... 29

5. BAND EDGE COMPLIANCE48

 5.1. TEST PLOTS..... 48

6. SPURIOUS EMISSION AT ANTENNA TERMINAL73

 6.1. TEST PLOTS..... 73

7. FIELD STRENGTH OF SPURIOUS RADIATION83

 7.1. TEST MODE =LTE/TM1 10MHZ(UP ANTENNA) 83

 7.1.1. TEST CHANNEL = LCH 83

 7.1.2. TEST CHANNEL = MCH 83

 7.1.3. TEST CHANNEL = HCH 84

 7.2. TEST MODE =LTE/TM1 10MHZ(DOWN ANTENNA) 85

 7.2.1. TEST CHANNEL = LCH 85

 7.2.2. TEST CHANNEL = MCH 85

 7.2.3. TEST CHANNEL = HCH 86

8. FREQUENCY STABILITY87



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

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



8.1. FREQUENCY VS VOLTAGE.....87

8.2. FREQUENCY VS TEMPERATURE.....87



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

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

1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.38	17.63	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.52	17.77	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.39	17.64	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.43	17.68	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.50	17.75	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.47	17.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.52	16.77	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.42	17.67	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.57	17.82	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.46	17.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.46	17.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.60	17.85	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.50	17.75	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.61	16.86	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.49	17.74	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.53	17.78	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.44	17.69	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.48	17.73	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.52	17.77	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.47	17.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.62	16.87	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.94	16.19	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.62	15.87	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.88	16.13	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.67	15.92	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.95	16.2	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.48	15.73	38.45	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



Band5	1.4MHz	64QAM	20407	6RB#0	20.60	14.85	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.81	16.06	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.92	16.17	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.78	16.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.64	15.89	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.76	16.01	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.83	16.08	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.87	15.12	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.67	15.92	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.45	15.7	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.51	15.76	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.53	15.78	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.49	15.74	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.71	15.96	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.65	14.9	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.03	17.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.15	17.4	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.62	16.87	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.63	16.88	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.84	17.09	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.50	16.75	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.66	15.91	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.70	16.95	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.12	17.37	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.01	17.26	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.54	16.79	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.56	16.81	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.69	16.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.61	15.86	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.10	17.35	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.82	17.07	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.73	16.98	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.64	16.89	38.45	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
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band5	1.4MHz	16QAM	20643	3RB#1	22.60	16.85	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.55	16.8	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.73	15.98	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.49	17.74	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.53	17.78	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.57	17.82	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.59	16.84	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.61	16.86	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.63	16.88	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.59	16.84	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.65	17.9	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.53	17.78	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.49	17.74	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.66	16.91	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.74	16.99	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.68	16.93	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.69	16.94	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.58	17.83	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.57	17.82	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.44	17.69	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.65	16.9	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.69	16.94	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.65	16.9	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.62	16.87	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.77	16.02	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.63	15.88	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.51	15.76	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.89	15.14	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.63	14.88	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.48	14.73	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.86	15.11	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.77	16.02	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.92	16.17	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	3MHz	64QAM	20525	1RB#8	21.95	16.2	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.56	14.81	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.93	15.18	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.47	14.72	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.55	14.8	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.46	15.71	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.78	16.03	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.88	16.13	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.54	14.79	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.83	15.08	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.68	14.93	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.53	14.78	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.79	17.04	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.74	16.99	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.73	16.98	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.59	15.84	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.63	15.88	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.66	15.91	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.69	15.94	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.72	16.97	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.86	17.11	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.77	17.02	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.70	15.95	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.78	16.03	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.71	15.96	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.67	15.92	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.09	17.34	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.82	17.07	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.76	17.01	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.74	15.99	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.77	16.02	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.71	15.96	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.56	15.81	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	5MHz	QPSK	20425	1RB#24	23.58	17.83	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.48	17.73	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.46	17.71	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.58	16.83	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.62	16.87	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.60	16.85	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.65	16.9	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.52	17.77	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.56	17.81	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.46	17.71	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.68	16.93	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.73	16.98	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.69	16.94	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.74	16.99	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.59	17.84	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.53	17.78	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.64	17.89	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.66	16.91	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.65	16.9	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.67	16.92	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.69	16.94	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.49	15.74	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.80	16.05	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.58	15.83	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.82	15.07	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.51	14.76	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.69	14.94	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.58	14.83	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.90	16.15	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.82	16.07	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.53	15.78	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.66	14.91	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.81	15.06	38.45	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
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band5	5MHz	64QAM	20525	12RB#6	20.90	15.15	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.90	15.15	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.90	16.15	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.73	15.98	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.91	16.16	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.80	15.05	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.58	14.83	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.91	15.16	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.72	14.97	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.80	17.05	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.53	16.78	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.75	17	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.69	15.94	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.64	15.89	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.61	15.86	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.69	15.94	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.82	17.07	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.88	17.13	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.95	17.2	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.69	15.94	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.73	15.98	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.78	16.03	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.72	15.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.18	17.43	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.00	17.25	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.93	17.18	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.73	15.98	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.70	15.95	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.78	16.03	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.73	15.98	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.91	18.16	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.92	18.17	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.85	18.1	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	10MHz	QPSK	20450	25RB#12	22.82	17.07	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.89	17.14	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.90	17.15	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.90	17.15	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.66	17.91	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.88	18.13	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.74	17.99	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.89	17.14	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.85	17.1	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.91	17.16	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.88	17.13	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.91	18.16	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.93	18.18	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.81	18.06	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.81	17.06	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.97	17.22	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.98	17.23	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.93	17.18	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.57	15.82	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.70	15.95	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.81	16.06	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.73	14.98	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.53	14.78	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.90	15.15	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.84	15.09	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.95	16.2	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.70	15.95	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.52	15.77	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.60	14.85	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.50	14.75	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.72	14.97	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.87	15.12	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.93	16.18	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	10MHz	64QAM	20600	1RB#0	21.52	15.77	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.87	16.12	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.53	14.78	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.49	14.74	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.47	14.72	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.62	14.87	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.90	17.15	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.81	17.06	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.95	17.2	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.77	16.02	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.94	16.19	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.94	16.19	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.93	16.18	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.01	17.26	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.94	17.19	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.01	17.26	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.89	16.14	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.98	16.23	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.81	16.06	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.88	16.13	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.13	17.38	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.92	17.17	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.09	17.34	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.97	16.22	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.02	16.27	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.02	16.27	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.96	16.21	38.45	PASS

ANT4:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.30	12.28	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.28	12.26	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.33	12.31	38.45	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	1.4MHz	QPSK	20407	3RB#1	23.24	12.22	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.42	12.4	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.36	12.34	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.38	11.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.39	12.37	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.44	12.42	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.33	12.31	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.36	12.34	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.53	12.51	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.41	12.39	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.53	11.51	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.37	12.35	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.45	12.43	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.41	12.39	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.46	12.44	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.52	12.5	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.44	12.42	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.53	11.51	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.78	11.76	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.94	11.92	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.85	11.83	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	22.35	11.33	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	22.47	11.45	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	22.33	11.31	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.49	10.47	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.97	11.95	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	23.14	12.12	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.97	11.95	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	22.41	11.39	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	22.63	11.61	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	22.56	11.54	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.50	10.48	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	23.05	12.03	38.45	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



Band5	1.4MHz	64QAM	20643	1RB#2	23.14	12.12	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	23.02	12	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	22.48	11.46	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	22.44	11.42	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	22.39	11.37	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.58	10.56	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.30	10.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.33	10.31	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.49	10.47	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.69	10.67	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.54	10.52	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.56	10.54	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.30	9.28	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.61	10.59	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.55	10.53	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.54	10.52	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.73	10.71	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.73	10.71	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.75	10.73	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.48	9.46	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.47	10.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.71	10.69	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.48	10.46	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.71	10.69	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.28	10.26	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.59	10.57	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.52	9.5	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.43	12.41	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.47	12.45	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.39	12.37	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.48	11.46	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.50	11.48	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.44	11.42	38.45	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.



Band5	3MHz	QPSK	20415	15RB#0	22.47	11.45	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.47	12.45	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.46	12.44	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.40	12.38	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.53	11.51	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.62	11.6	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.56	11.54	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.59	11.57	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.46	12.44	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.46	12.44	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.44	12.42	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.54	11.52	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.64	11.62	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.57	11.55	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.51	11.49	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.32	10.3	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.28	10.26	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.59	10.57	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.35	9.33	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.70	9.68	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.40	9.38	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.54	9.52	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.28	10.26	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.57	10.55	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.39	10.37	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.62	9.6	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.33	9.31	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.67	9.65	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.71	9.69	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.58	10.56	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.65	10.63	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.60	10.58	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.42	9.4	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	3MHz	64QAM	20635	8RB#0	20.53	9.51	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.69	9.67	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.57	9.55	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.97	11.95	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.92	11.9	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.63	11.61	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.50	10.48	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.55	10.53	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.48	10.46	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.52	10.5	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.99	11.97	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.49	11.47	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.67	11.65	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.57	10.55	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.55	10.53	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.55	10.53	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.68	10.66	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.05	12.03	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.16	12.14	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.16	12.14	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.68	10.66	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.62	10.6	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.68	10.66	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.63	10.61	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.41	12.39	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.46	12.44	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.45	12.43	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.53	11.51	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.53	11.51	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.49	11.47	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.49	11.47	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.49	12.47	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.55	12.53	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室
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



Band5	5MHz	QPSK	20525	1RB#24	23.55	12.53	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.59	11.57	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.66	11.64	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.54	11.52	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.57	11.55	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.56	12.54	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.45	12.43	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.55	12.53	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.61	11.59	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.64	11.62	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.68	11.66	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.60	11.58	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.63	10.61	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.43	10.41	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.32	10.3	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.28	9.26	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.45	9.43	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.29	9.27	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.73	9.71	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.34	10.32	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.65	10.63	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.45	10.43	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.26	9.24	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.60	9.58	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.51	9.49	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.60	9.58	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.66	10.64	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.73	10.71	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.65	10.63	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.55	9.53	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.39	9.37	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.63	9.61	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.40	9.38	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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



Band5	5MHz	16QAM	20425	1RB#12	22.96	11.94	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.01	11.99	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.66	11.64	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.49	10.47	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.55	10.53	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.48	10.46	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.50	10.48	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.52	11.5	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.20	12.18	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.09	12.07	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.62	10.6	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.68	10.66	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.64	10.62	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.69	10.67	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.16	12.14	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.79	11.77	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.17	12.15	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.64	10.62	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.65	10.63	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.59	10.57	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.63	10.61	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.68	12.66	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.39	12.37	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.29	12.27	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.57	11.55	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.66	11.64	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.57	11.55	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.69	11.67	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.45	12.43	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.60	12.58	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.63	12.61	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.56	11.54	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.60	11.58	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室
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.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band5	10MHz	QPSK	20525	25RB#25	22.65	11.63	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.51	11.49	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.74	12.72	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.85	12.83	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.72	12.7	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.51	11.49	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.86	11.84	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.63	11.61	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.71	11.69	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.36	10.34	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.39	10.37	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.42	10.4	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.39	9.37	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.29	9.27	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.47	9.45	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.37	9.35	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.25	10.23	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.29	10.27	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.26	10.24	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.32	9.3	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.57	9.55	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.63	9.61	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.33	9.31	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.59	10.57	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.39	10.37	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.65	10.63	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.72	9.7	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.60	9.58	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.38	9.36	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.33	9.31	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.50	11.48	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.59	11.57	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.49	11.47	38.45	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.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测检测专用章
Inspection & Testing Services

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

Band5	10MHz	16QAM	20450	25RB#0	21.63	10.61	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.73	10.71	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.68	10.66	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.65	10.63	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.05	12.03	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.96	11.94	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.14	12.12	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.72	10.7	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.73	10.71	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.57	10.55	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.48	10.46	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.73	11.71	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.88	11.86	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.04	12.02	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.64	10.62	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.68	10.66	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.73	10.71	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.59	10.57	38.45	PASS

Remark:

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

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

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



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

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

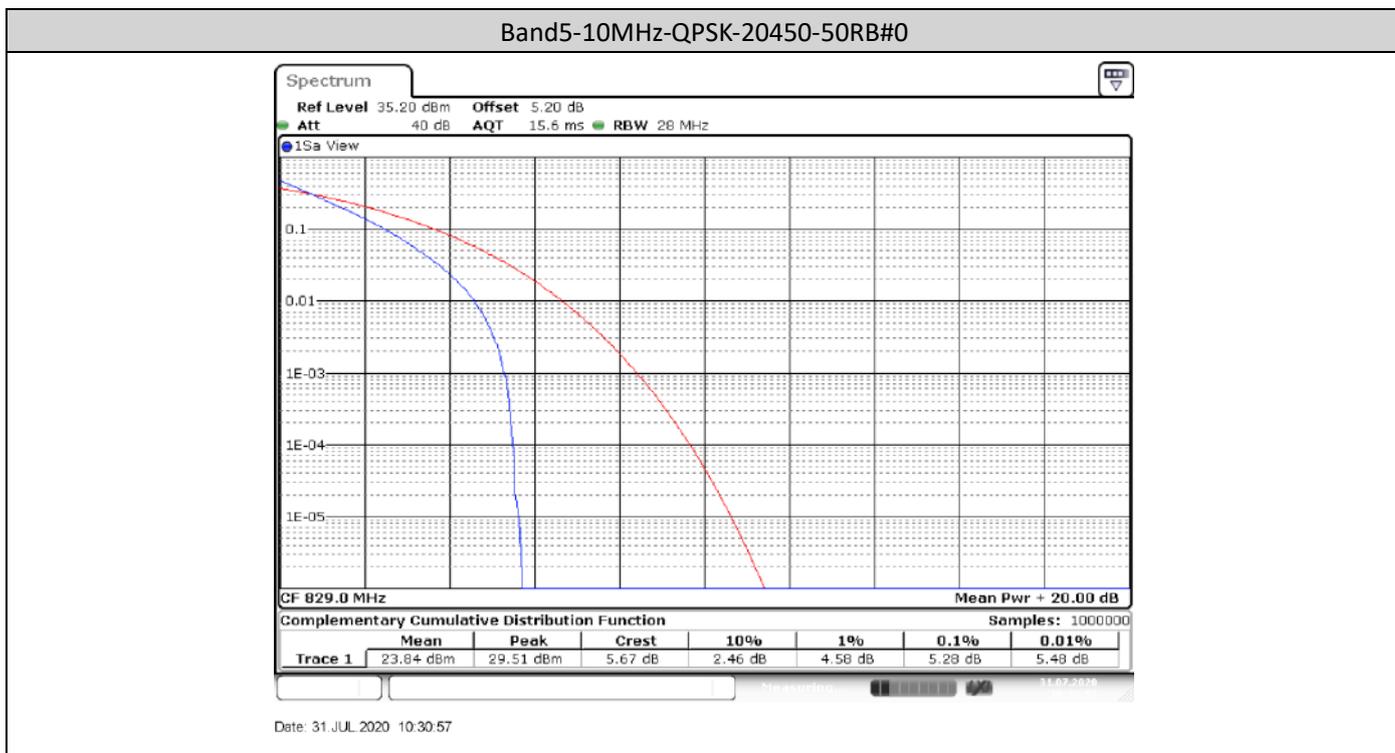


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

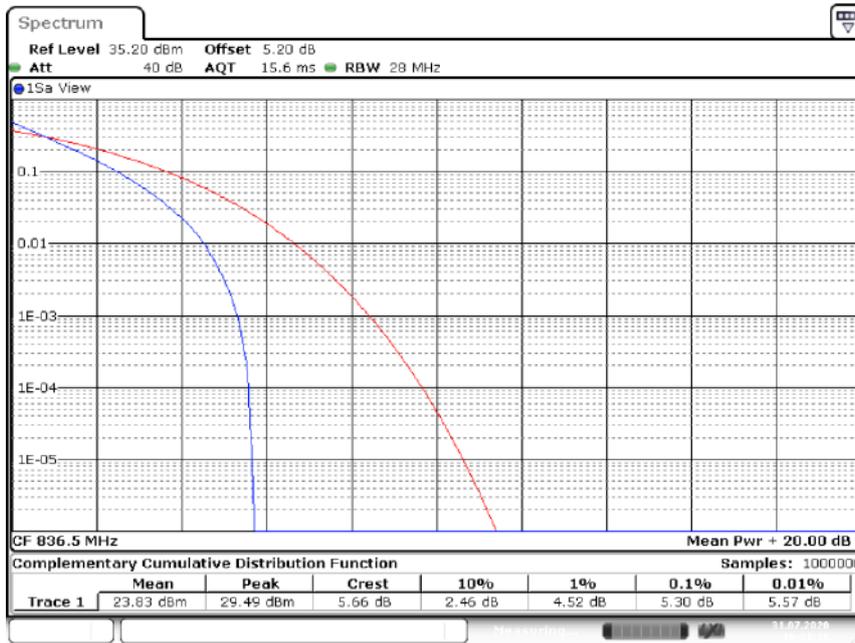
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.30	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.16	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.72	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.41	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.67	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.20	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.14	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.97	13	PASS

2.2. Test Plots



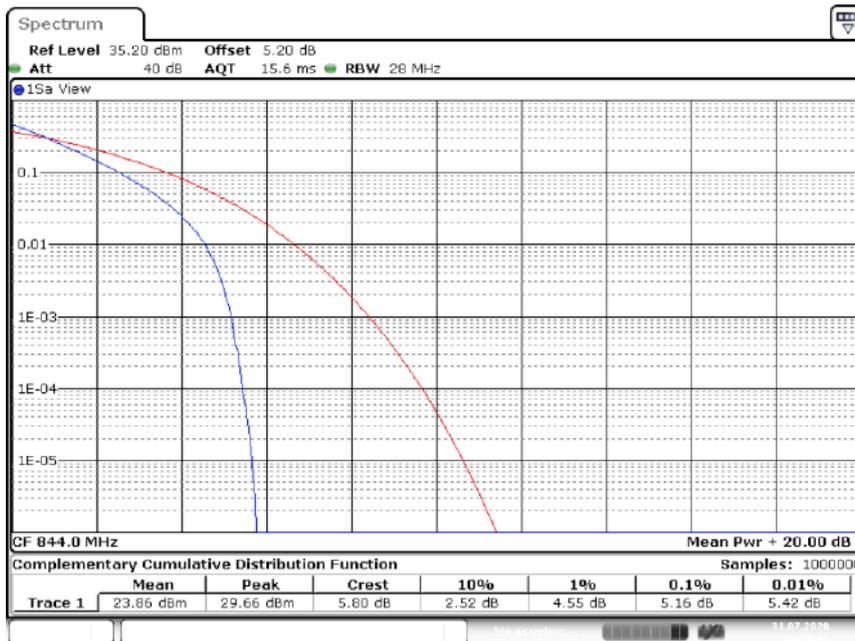
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-QPSK-20525-50RB#0



Date: 31 JUL 2020 10:31:19

Band5-10MHz-QPSK-20600-50RB#0



Date: 31 JUL 2020 10:31:41



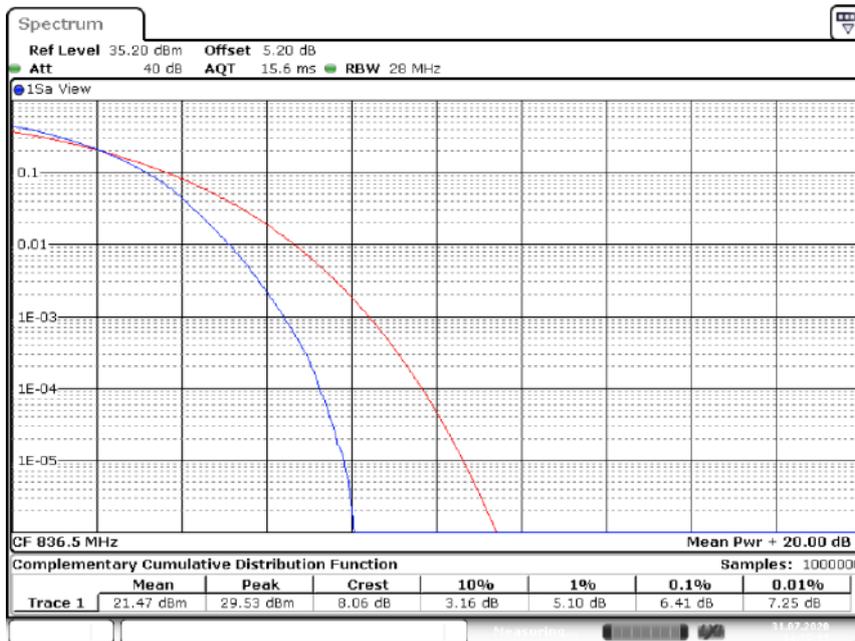
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-64QAM-20450-50RB#0



Date: 31 JUL 2020 14:39:23

Band5-10MHz-64QAM-20525-50RB#0

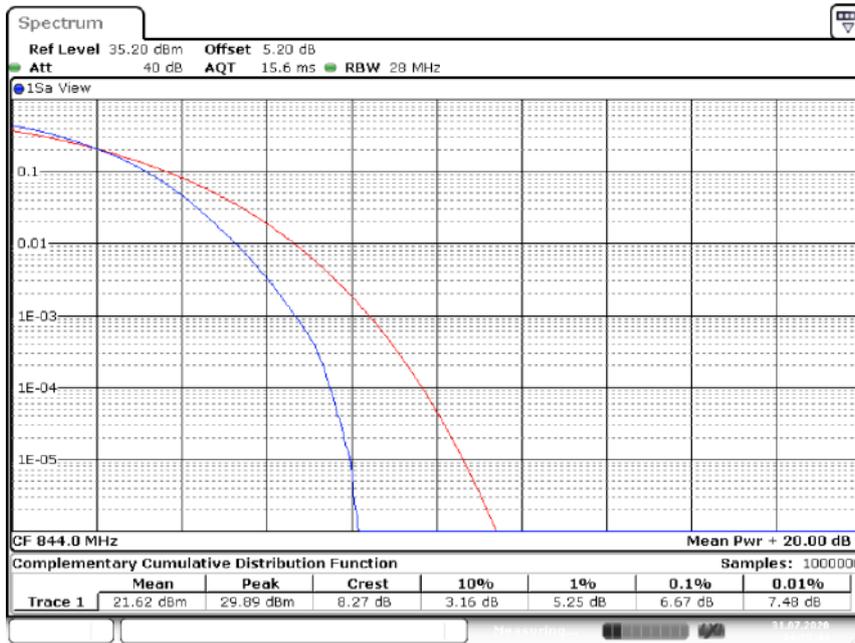


Date: 31 JUL 2020 14:39:34



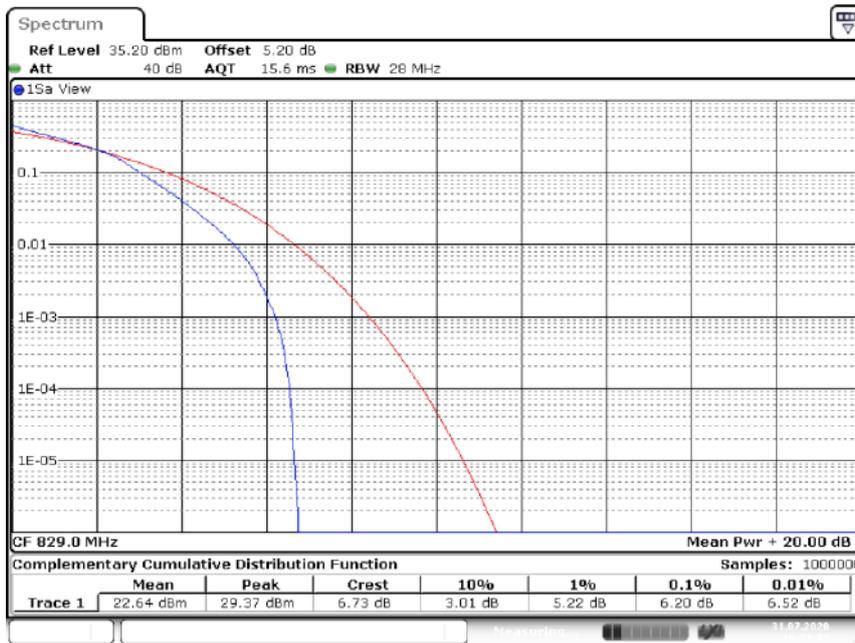
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-64QAM-20600-50RB#0



Date: 31 JUL 2020 14:39:45

Band5-10MHz-16QAM-20450-50RB#0

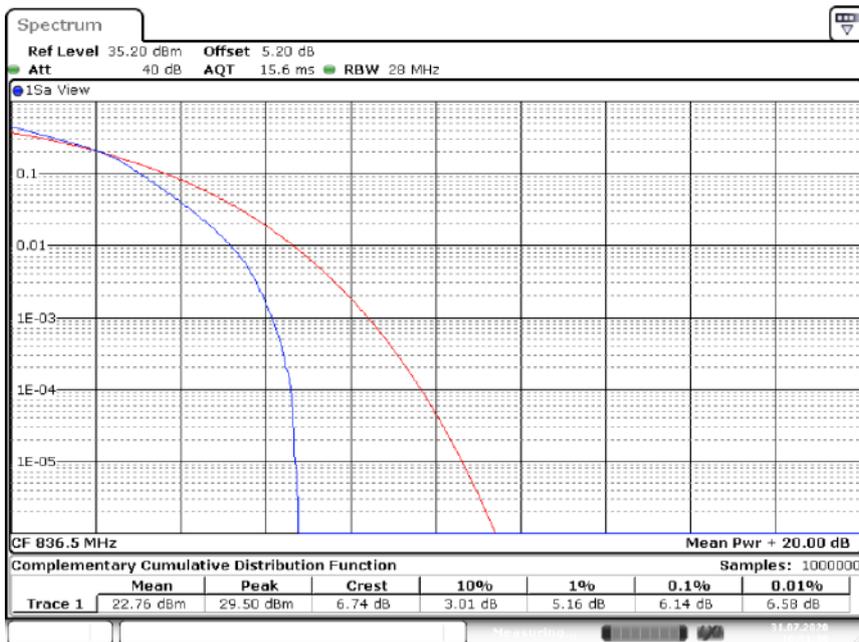


Date: 31 JUL 2020 10:31:08



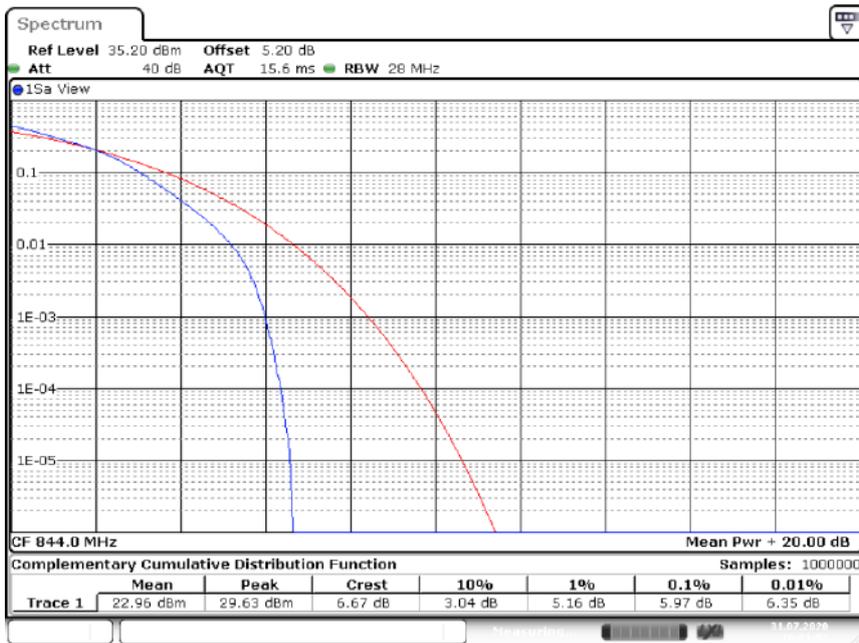
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-16QAM-20525-50RB#0



Date: 31 JUL 2020 10:31:30

Band5-10MHz-16QAM-20600-50RB#0



Date: 31 JUL 2020 10:31:52

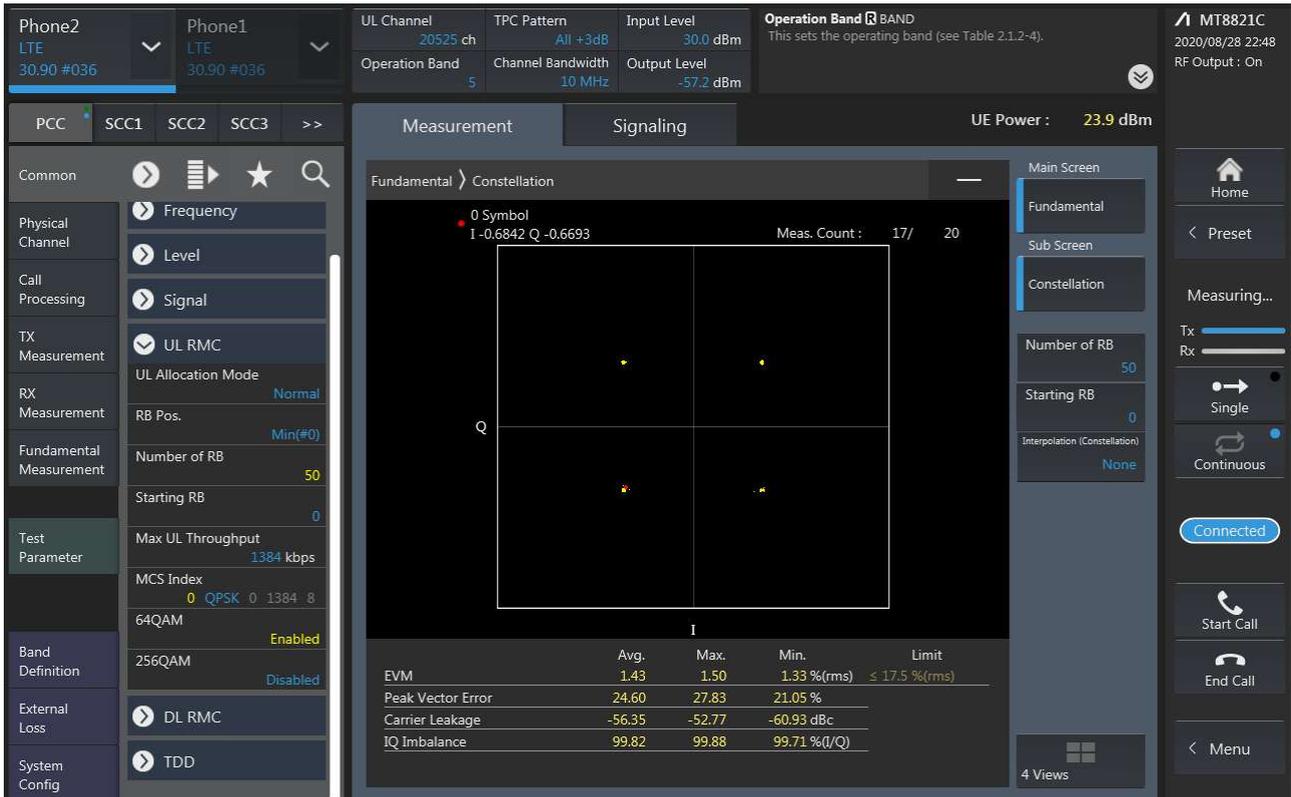


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

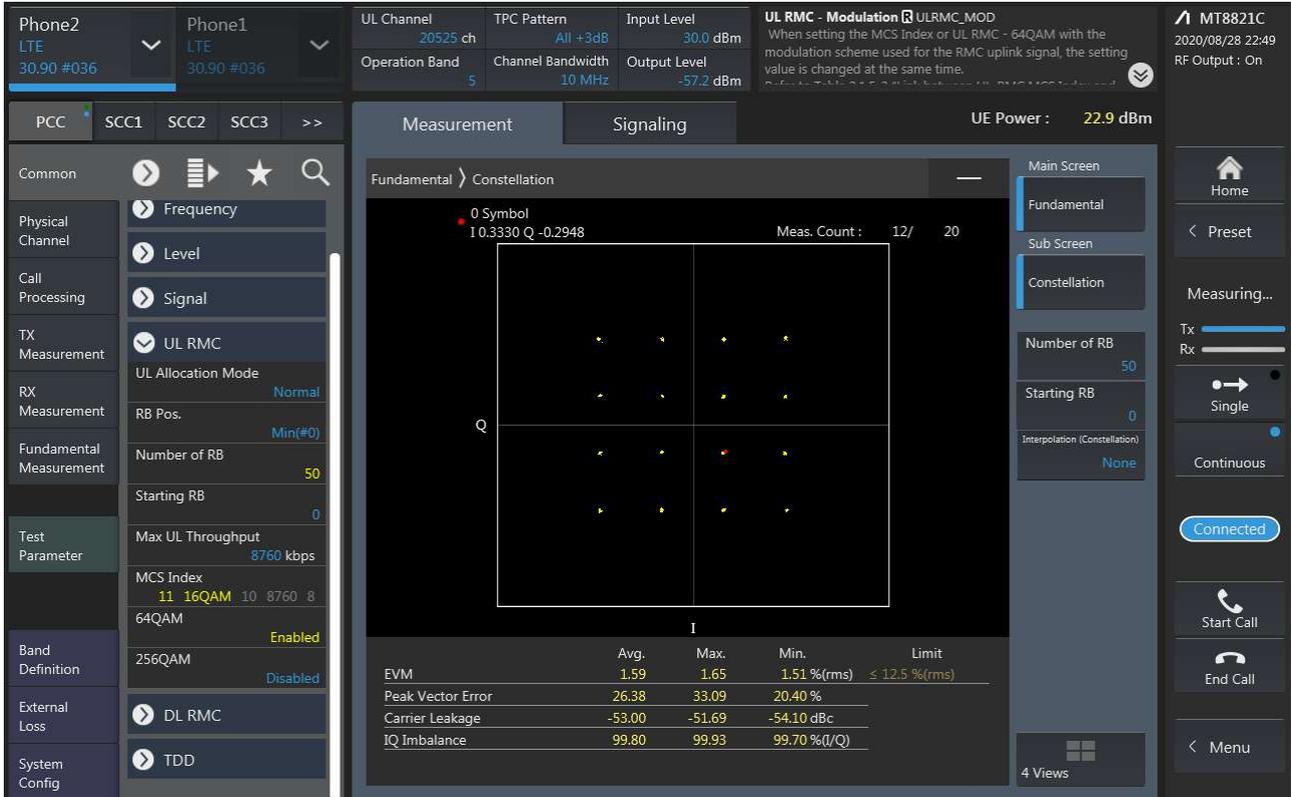
3.1.1. Test Channel = MCH



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.

3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH

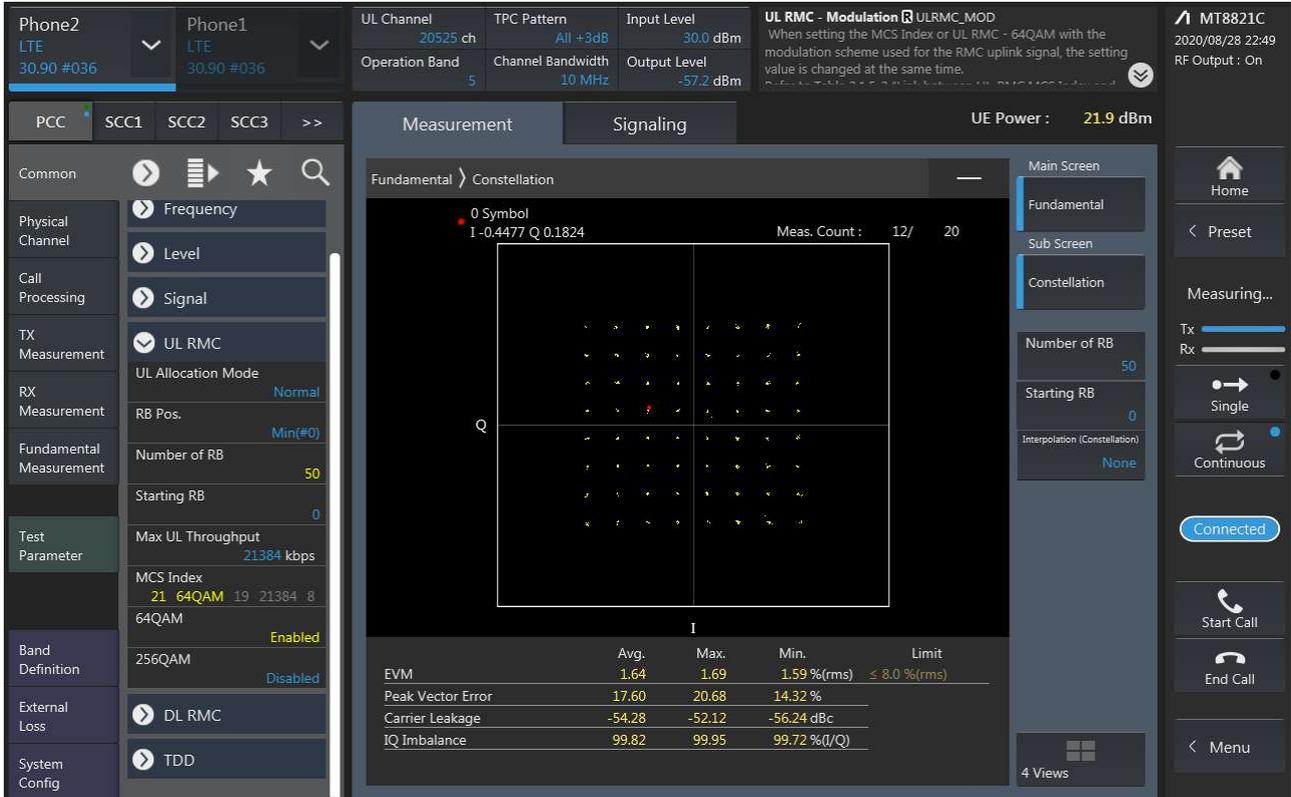


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



3.3. Test Mode = LTE /TM3 10MHz

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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.088	1.236	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.088	1.236	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.088	1.239	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.242	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.239	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.239	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.085	1.236	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.233	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.088	1.239	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	3.012	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	3.024	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	3.162	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.994	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.697	2.994	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.685	2.862	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.982	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.685	2.976	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.976	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.910	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.900	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.466	4.890	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.900	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.900	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.900	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.930	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.496	4.910	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.950	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.700	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.911	9.680	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.951	9.680	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.951	9.640	PASS

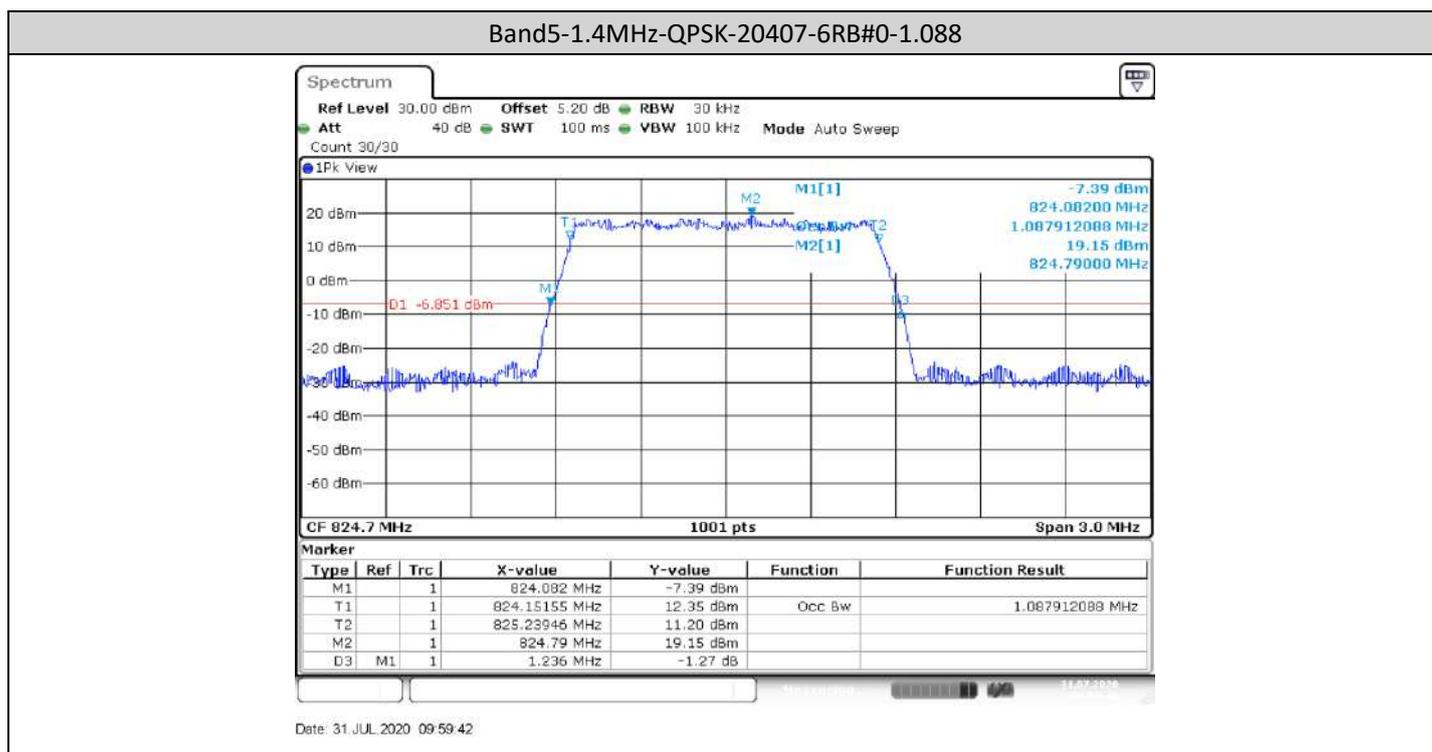


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band5	10MHz	64QAM	20525	50RB#0	8.911	9.640	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.680	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.951	9.740	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.720	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.951	9.660	PASS

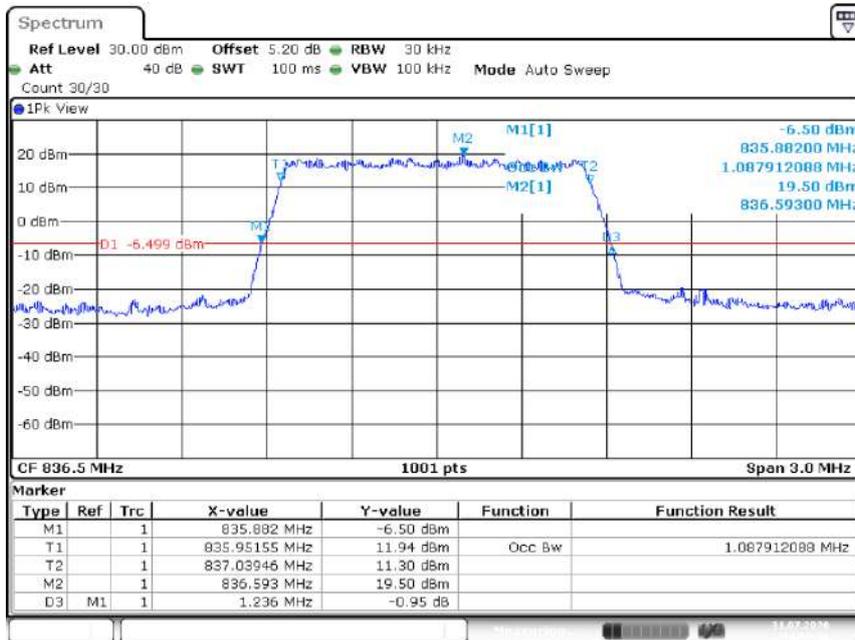
4.2. Test Plots



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

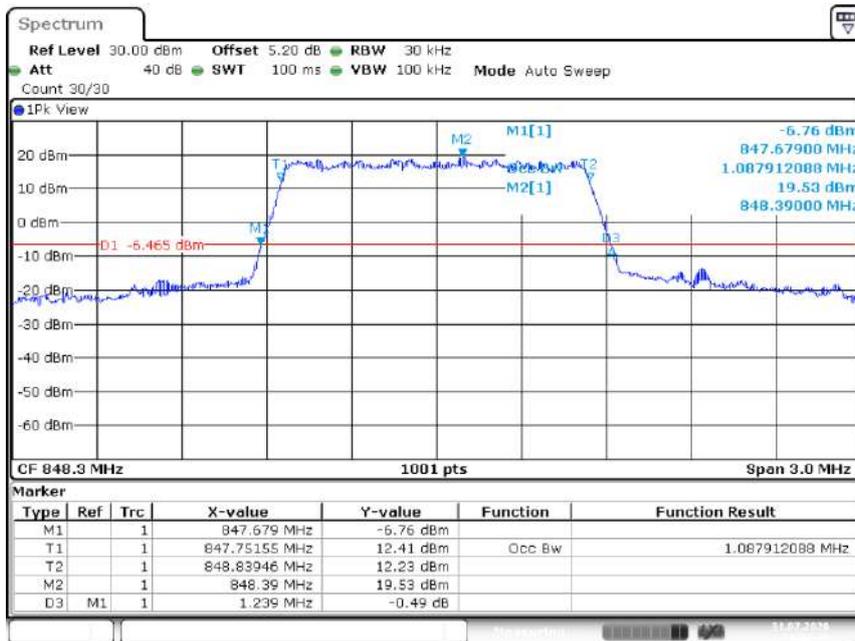
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band5-1.4MHz-QPSK-20525-6RB#0-1.088



Date: 31 JUL 2020 10:00:08

Band5-1.4MHz-QPSK-20643-6RB#0-1.088

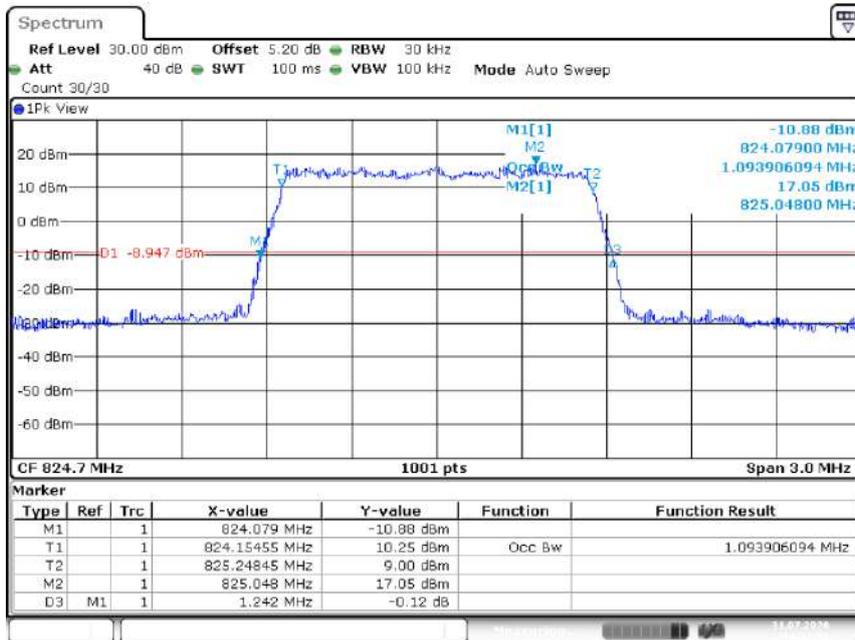


Date: 31 JUL 2020 10:00:33



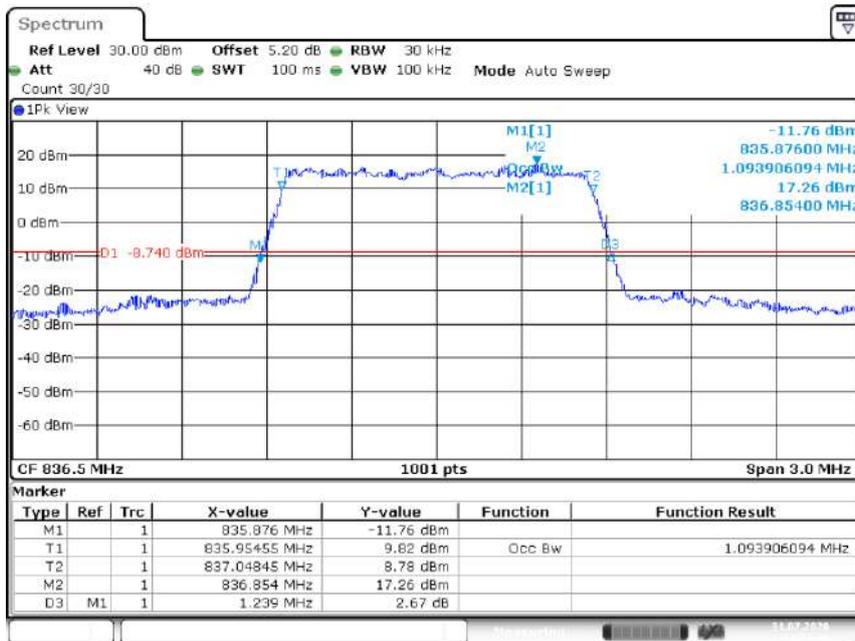
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-1.4MHz-64QAM-20407-6RB#0-1.094



Date: 31 JUL 2020 14:22:53

Band5-1.4MHz-64QAM-20525-6RB#0-1.094

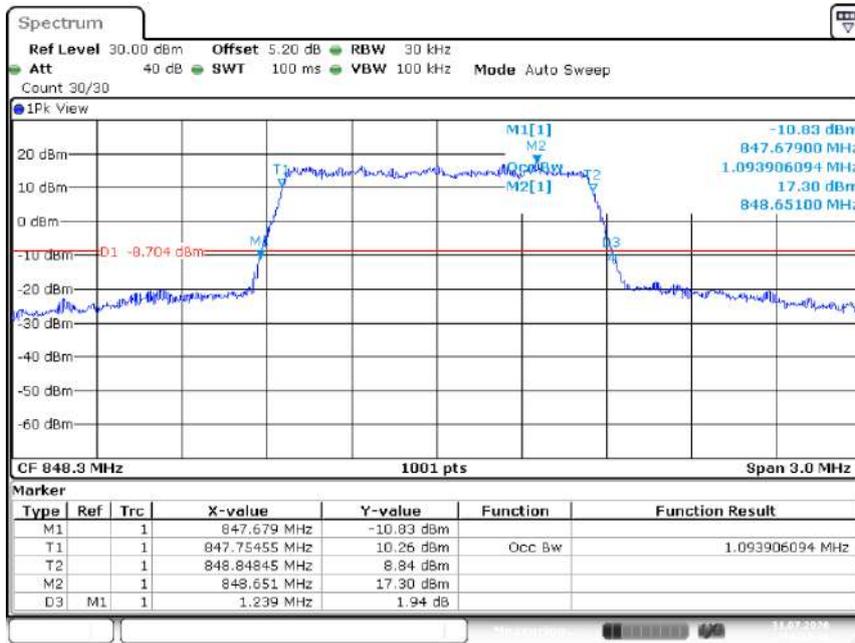


Date: 31 JUL 2020 14:23:06



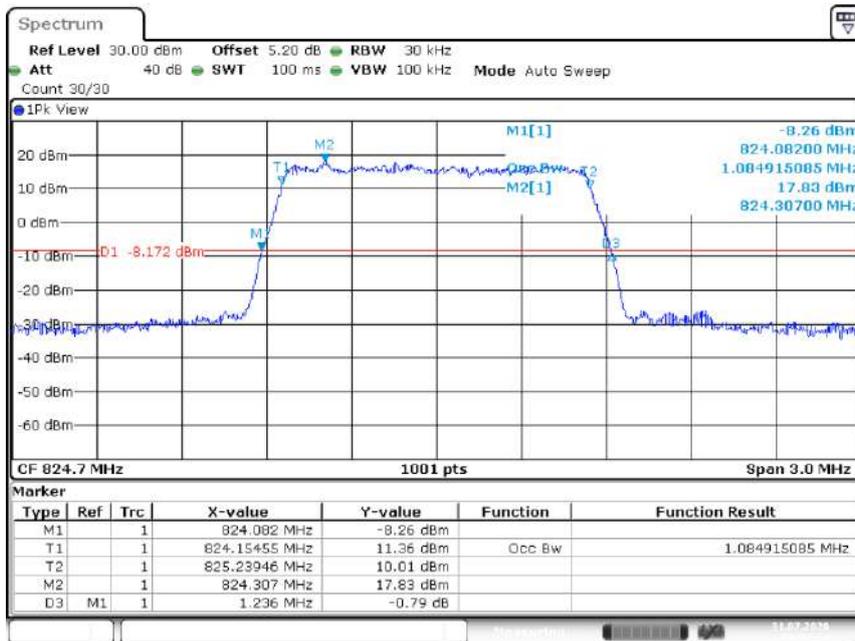
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-1.4MHz-64QAM-20643-6RB#0-1.094



Date: 31 JUL 2020 14:23:18

Band5-1.4MHz-16QAM-20407-6RB#0-1.085

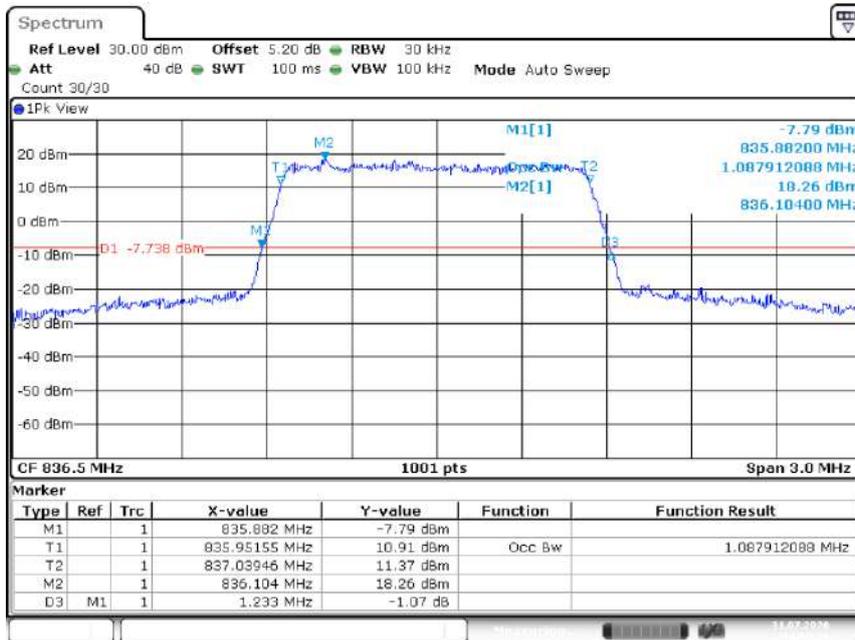


Date: 31 JUL 2020 09:59:55



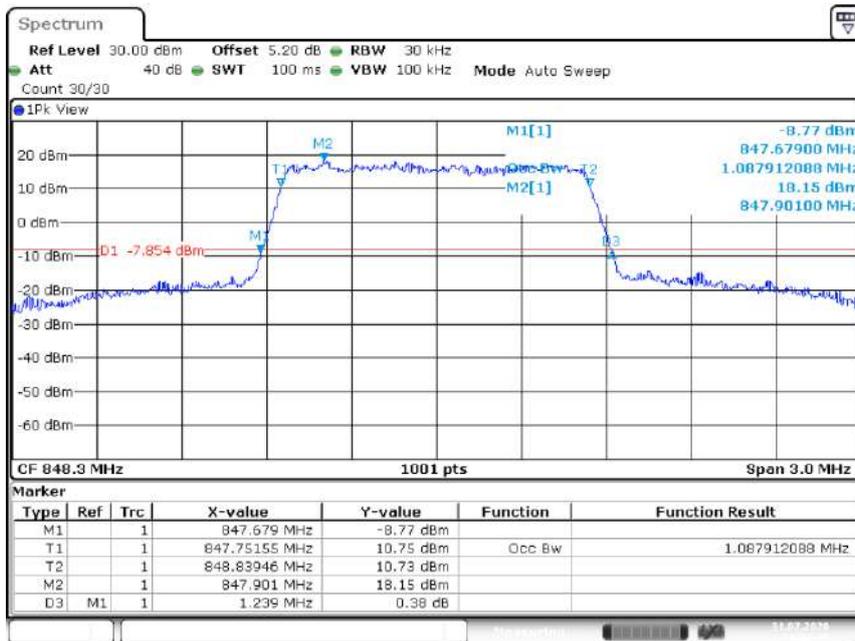
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-1.4MHz-16QAM-20525-6RB#0-1.088



Date: 31 JUL 2020 10:00:20

Band5-1.4MHz-16QAM-20643-6RB#0-1.088

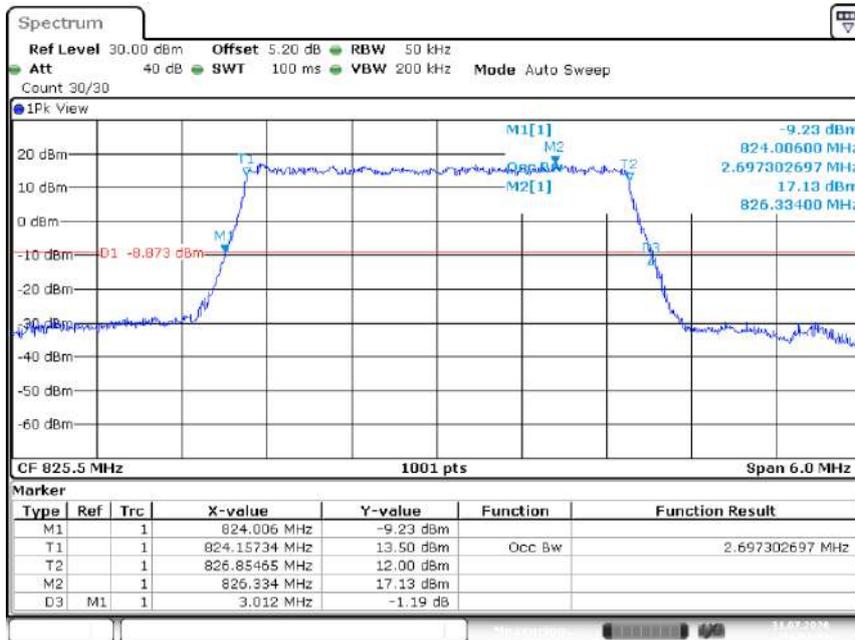


Date: 31 JUL 2020 10:00:46



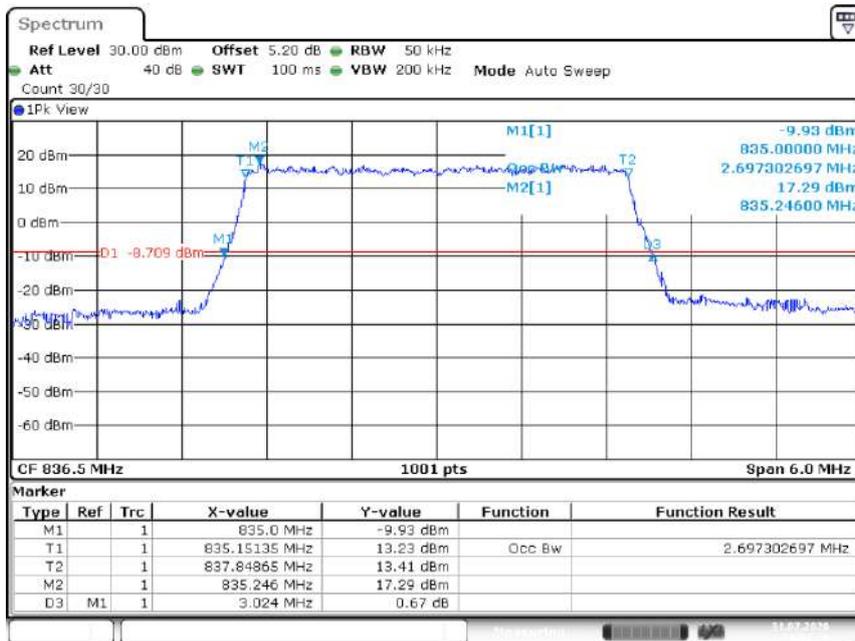
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-3MHz-QPSK-20415-15RB#0-2.697



Date: 31 JUL 2020 10:01:03

Band5-3MHz-QPSK-20525-15RB#0-2.697

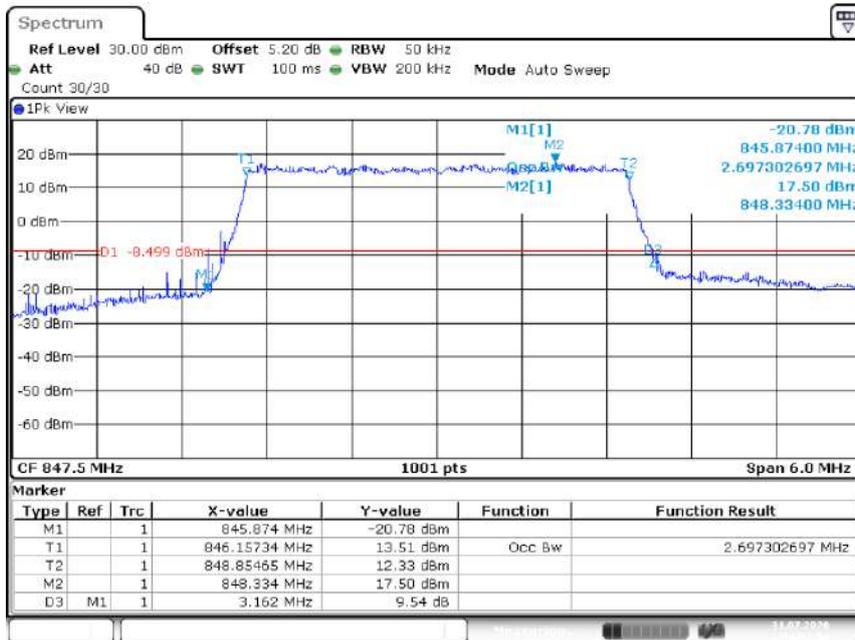


Date: 31 JUL 2020 10:01:29



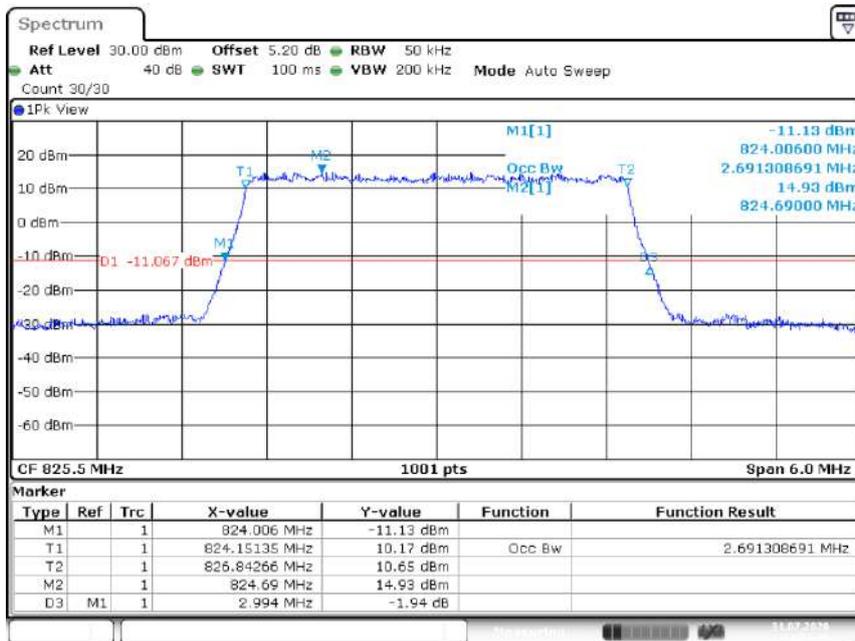
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-3MHz-QPSK-20635-15RB#0-2.697



Date: 31 JUL 2020 10:01:55

Band5-3MHz-64QAM-20415-15RB#0-2.691



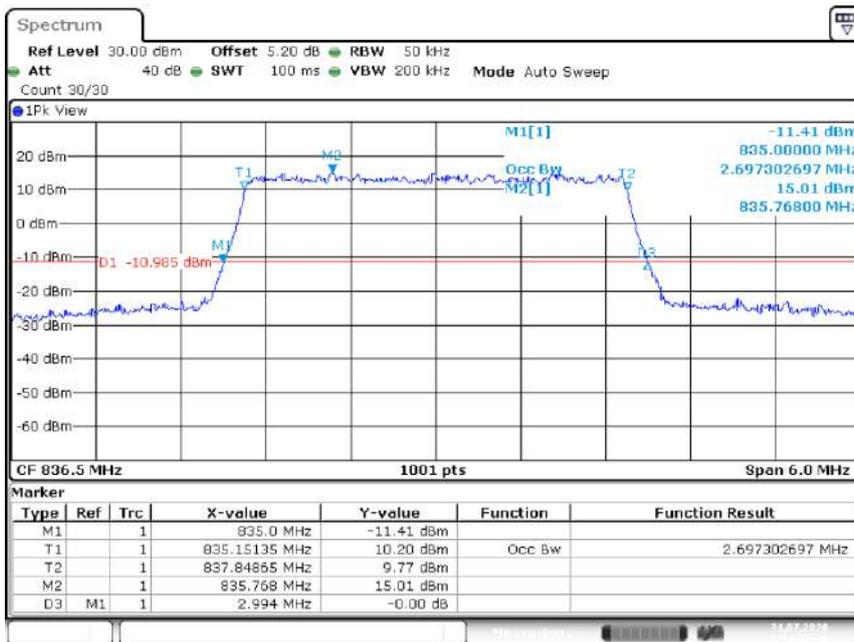
Date: 31 JUL 2020 14:23:36



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

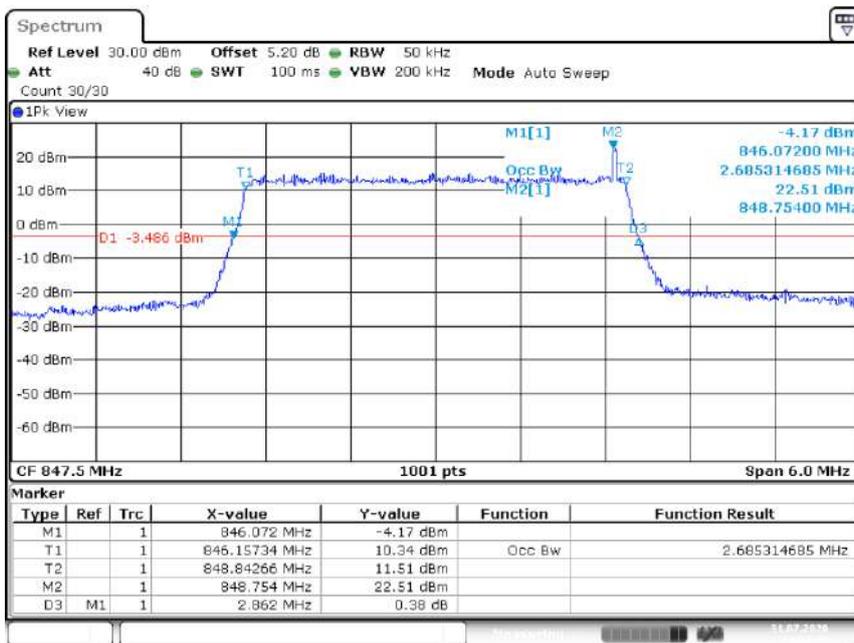


Band5-3MHz-64QAM-20525-15RB#0-2.697



Date: 31 JUL 2020 14:23:49

Band5-3MHz-64QAM-20635-15RB#0-2.685

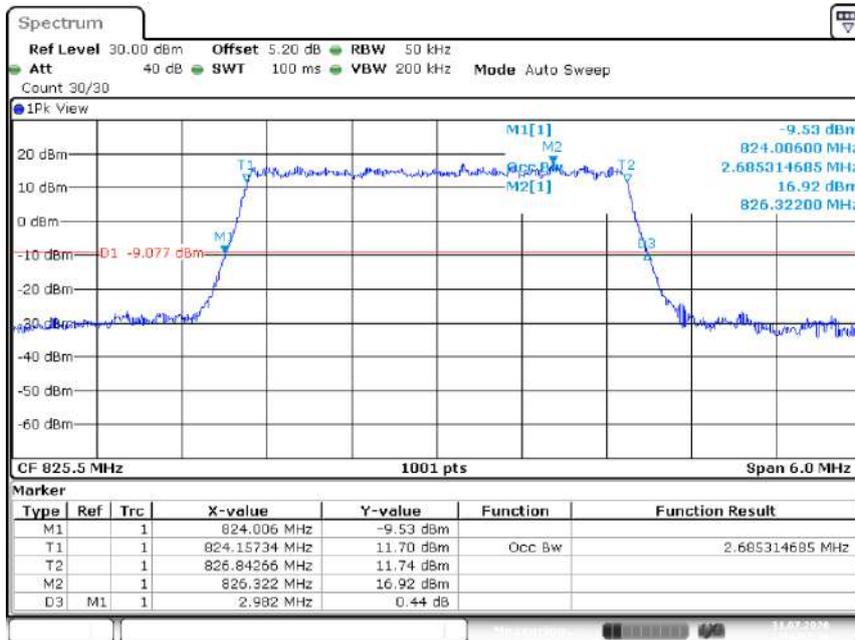


Date: 31 JUL 2020 14:24:02



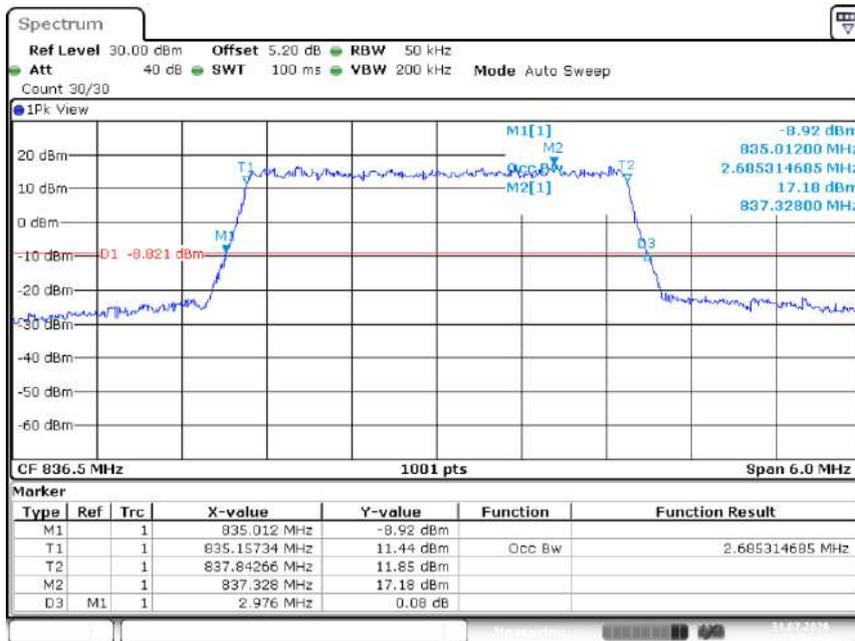
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-3MHz-16QAM-20415-15RB#0-2.685



Date: 31 JUL 2020 10:01:16

Band5-3MHz-16QAM-20525-15RB#0-2.685

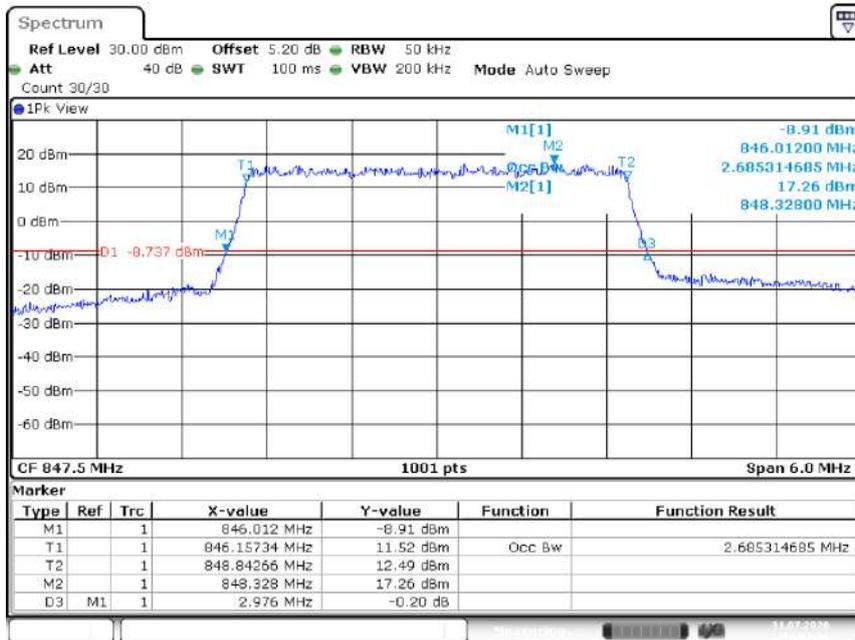


Date: 31 JUL 2020 10:01:42



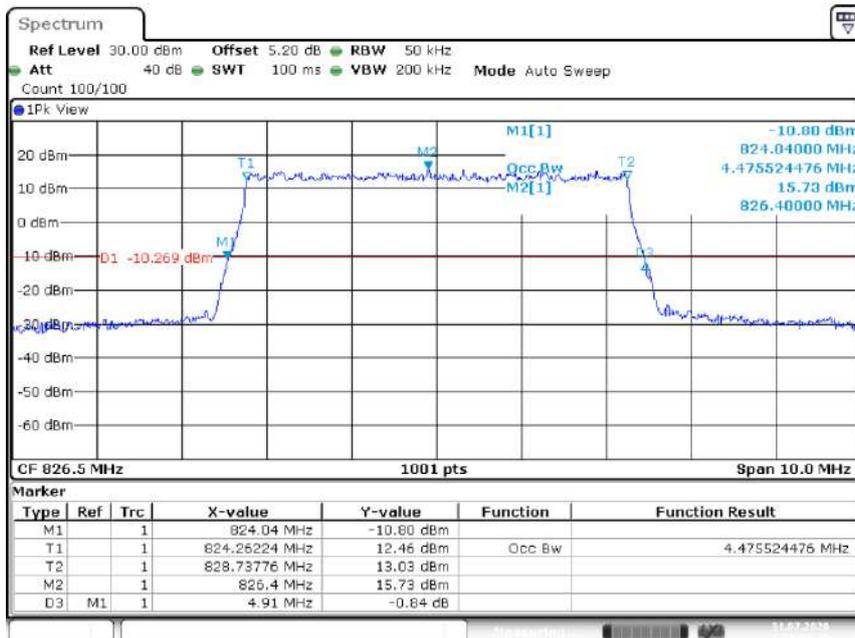
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-3MHz-16QAM-20635-15RB#0-2.685



Date: 31 JUL 2020 10:02:07

Band5-5MHz-QPSK-20425-25RB#0-4.476

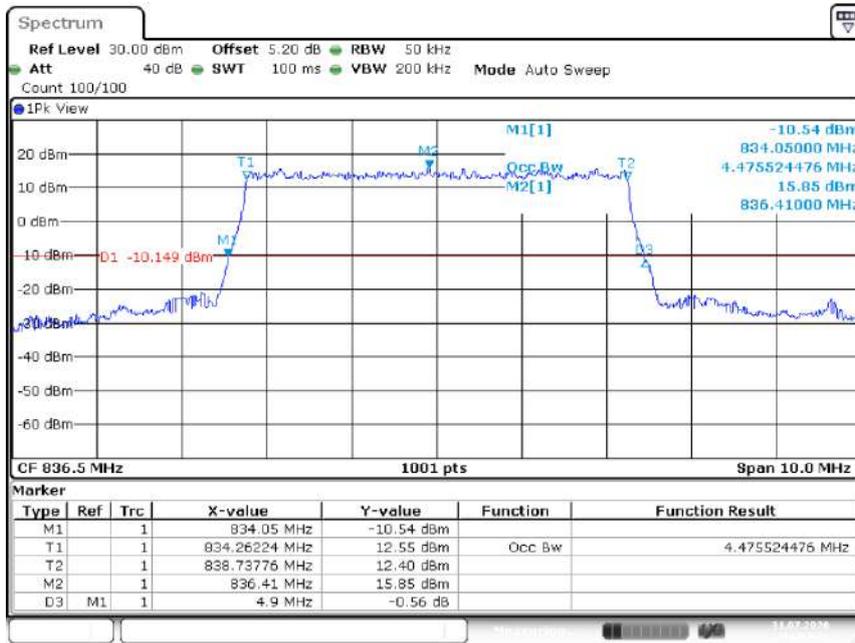


Date: 31 JUL 2020 10:02:32



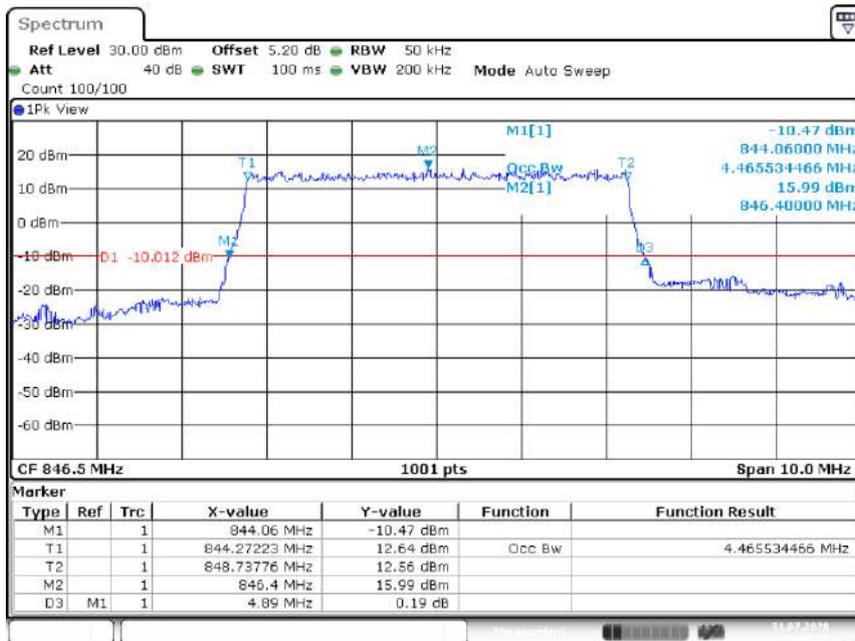
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-QPSK-20525-25RB#0-4.476



Date: 31 JUL 2020 10:03:11

Band5-5MHz-QPSK-20625-25RB#0-4.466

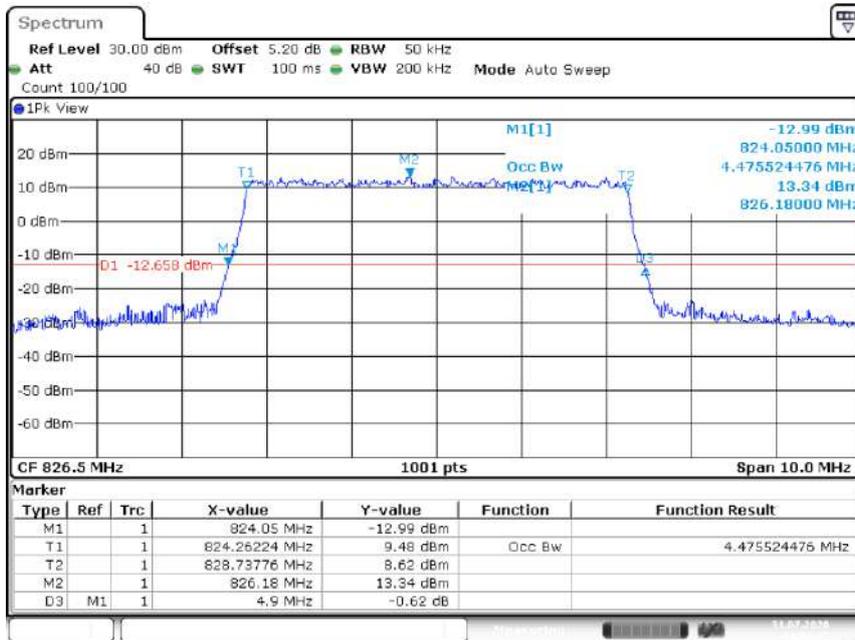


Date: 31 JUL 2020 10:03:51



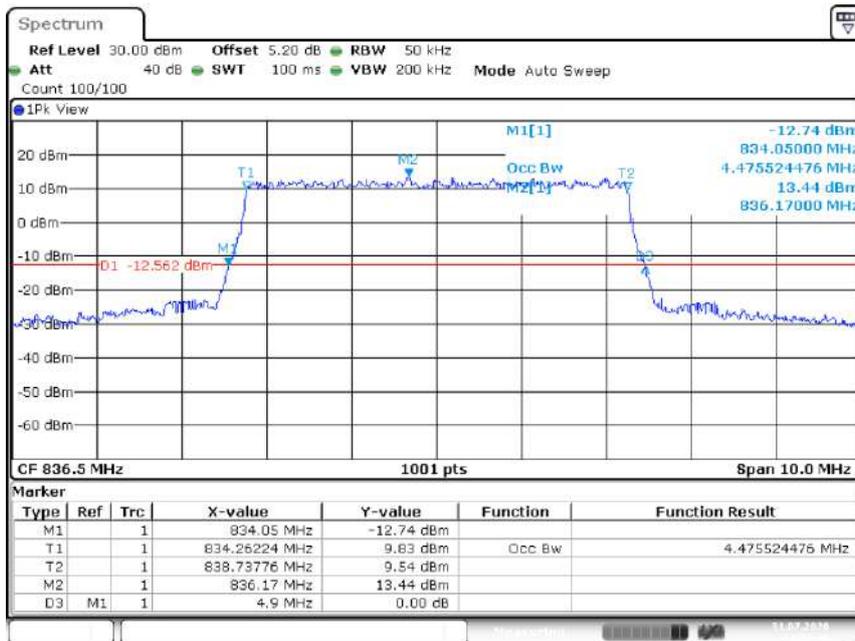
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-64QAM-20425-25RB#0-4.476



Date: 31 JUL 2020 14:24:27

Band5-5MHz-64QAM-20525-25RB#0-4.476

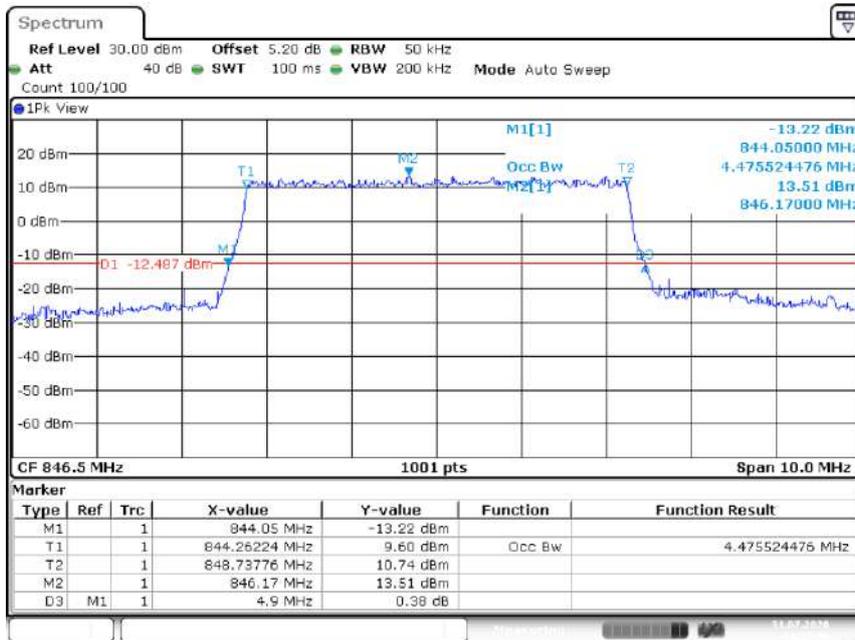


Date: 31 JUL 2020 14:24:47



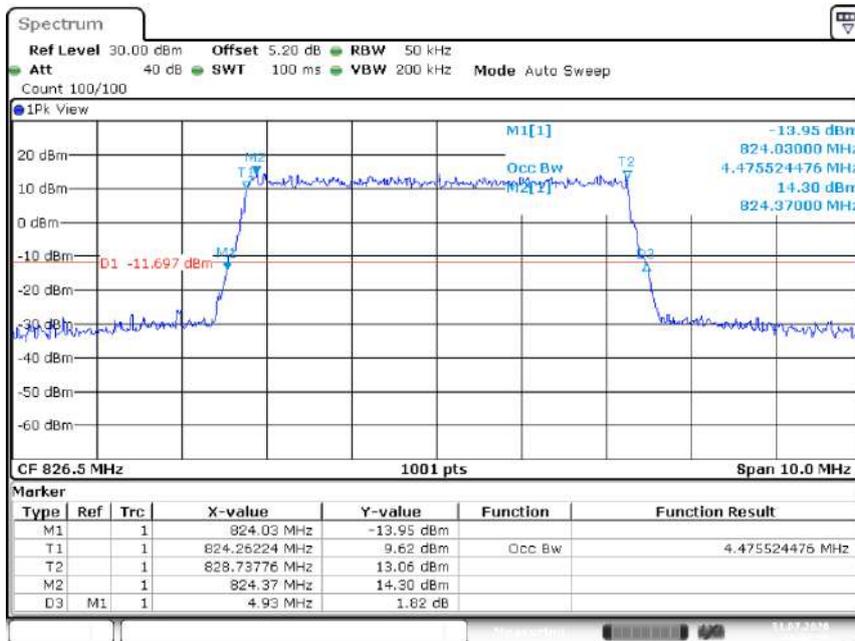
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-64QAM-20625-25RB#0-4.476



Date: 31 JUL 2020 14:25:07

Band5-5MHz-16QAM-20425-25RB#0-4.476

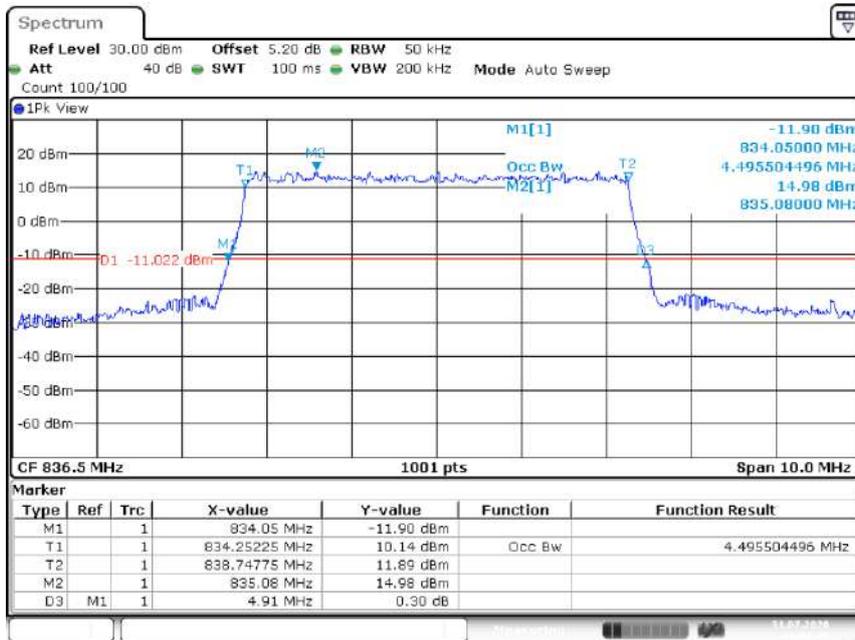


Date: 31 JUL 2020 10:02:51



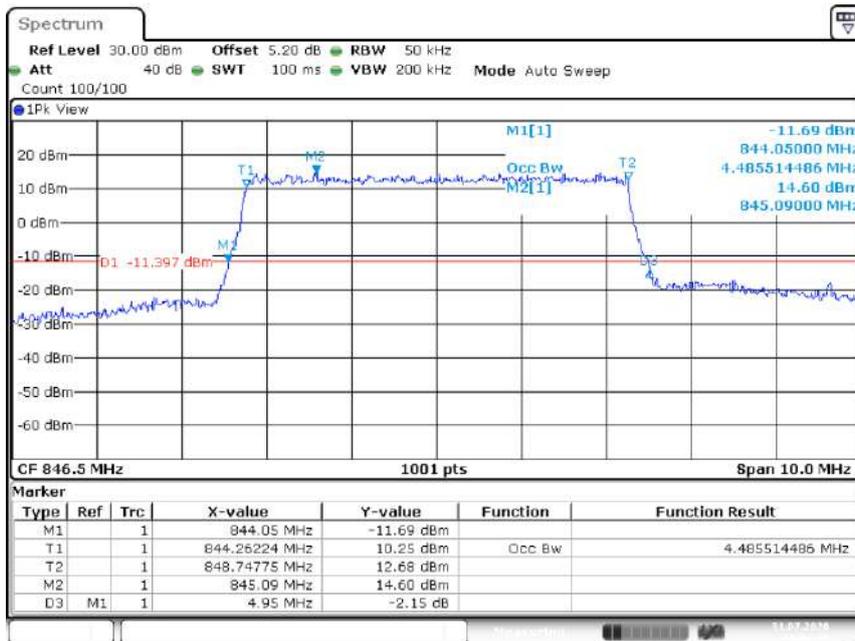
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-16QAM-20525-25RB#0-4.496



Date: 31 JUL 2020 10:03:31

Band5-5MHz-16QAM-20625-25RB#0-4.486

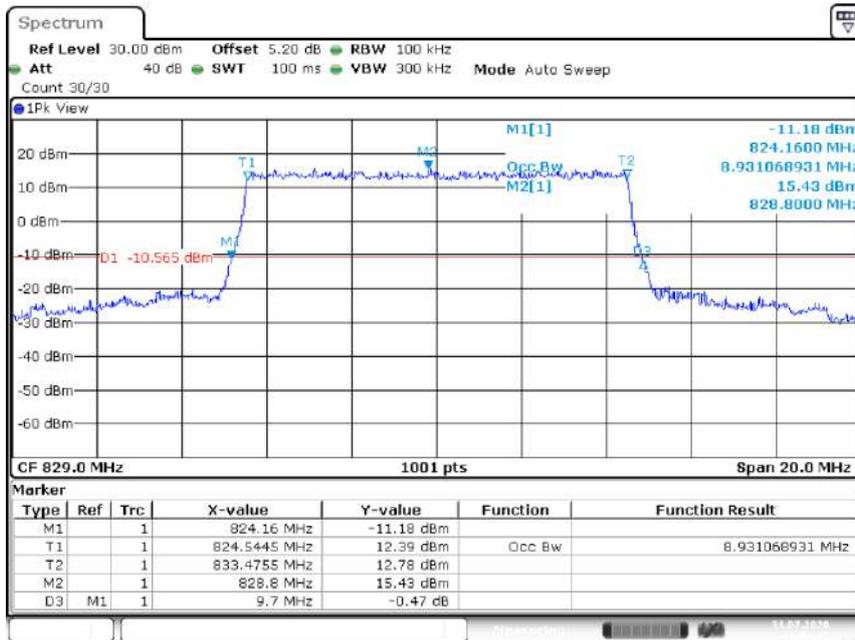


Date: 31 JUL 2020 10:04:10



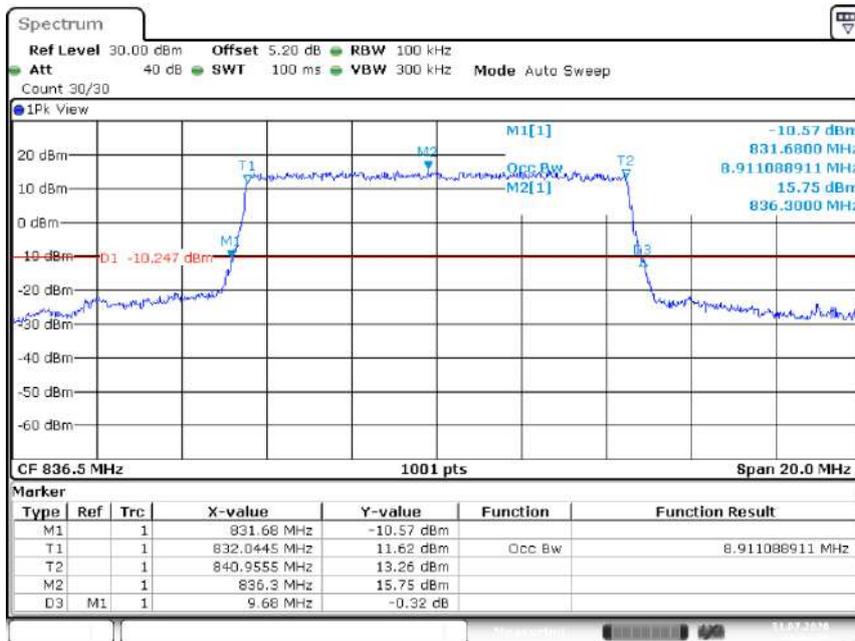
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-QPSK-20450-50RB#0-8.931



Date: 31 JUL 2020 10:04:28

Band5-10MHz-QPSK-20525-50RB#0-8.911

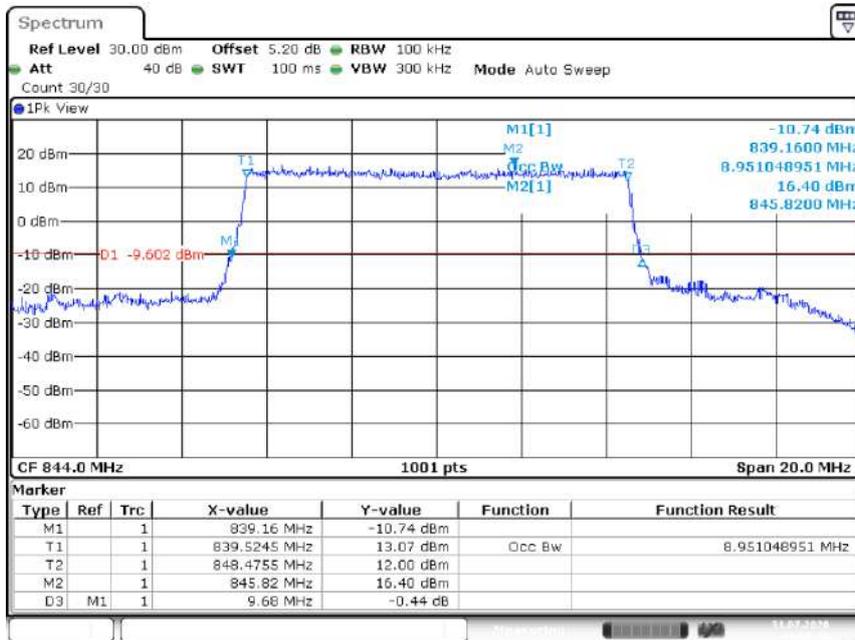


Date: 31 JUL 2020 10:04:53



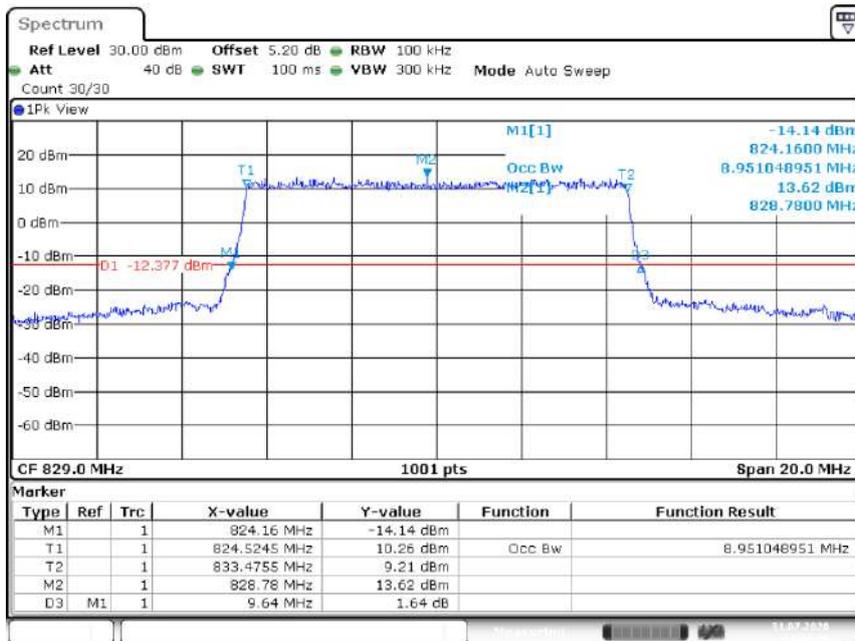
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-QPSK-20600-50RB#0-8.951



Date: 31 JUL 2020 10:05:19

Band5-10MHz-64QAM-20450-50RB#0-8.951



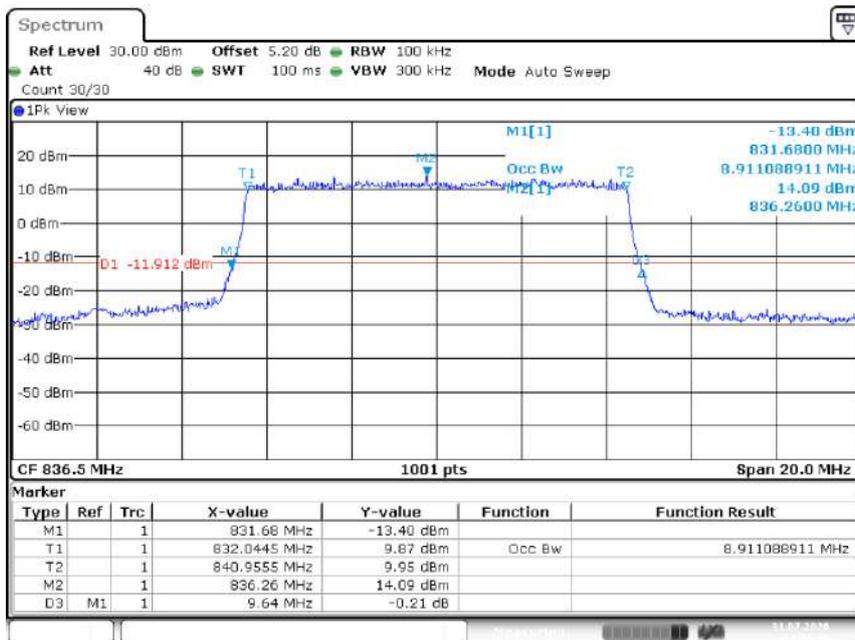
Date: 31 JUL 2020 14:26:06



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

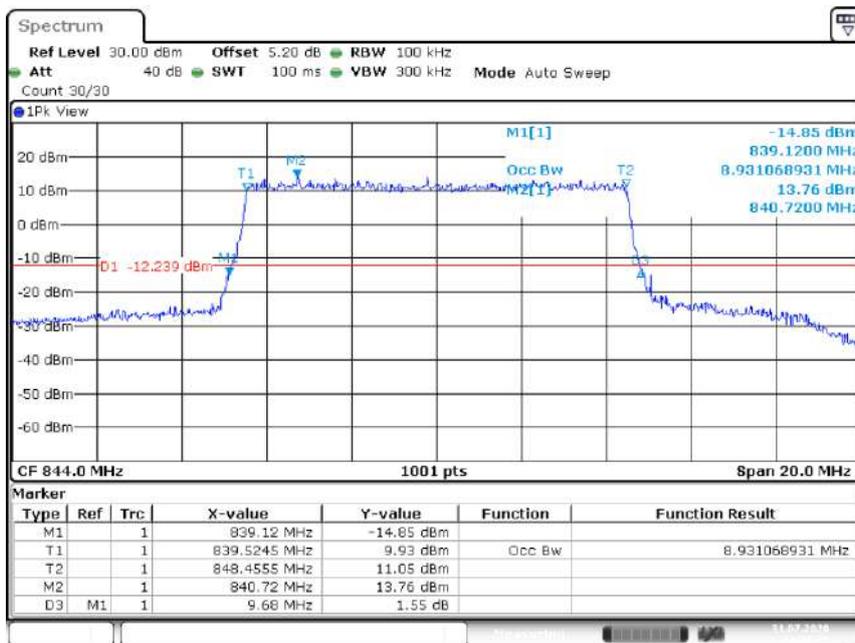


Band5-10MHz-64QAM-20525-50RB#0-8.911



Date: 31 JUL 2020 14:26:19

Band5-10MHz-64QAM-20600-50RB#0-8.931

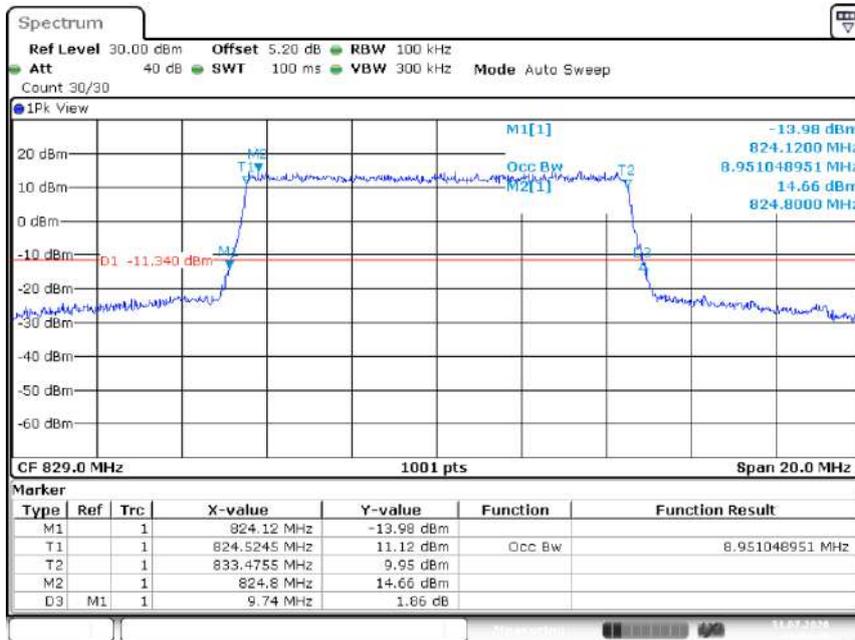


Date: 31 JUL 2020 14:26:32



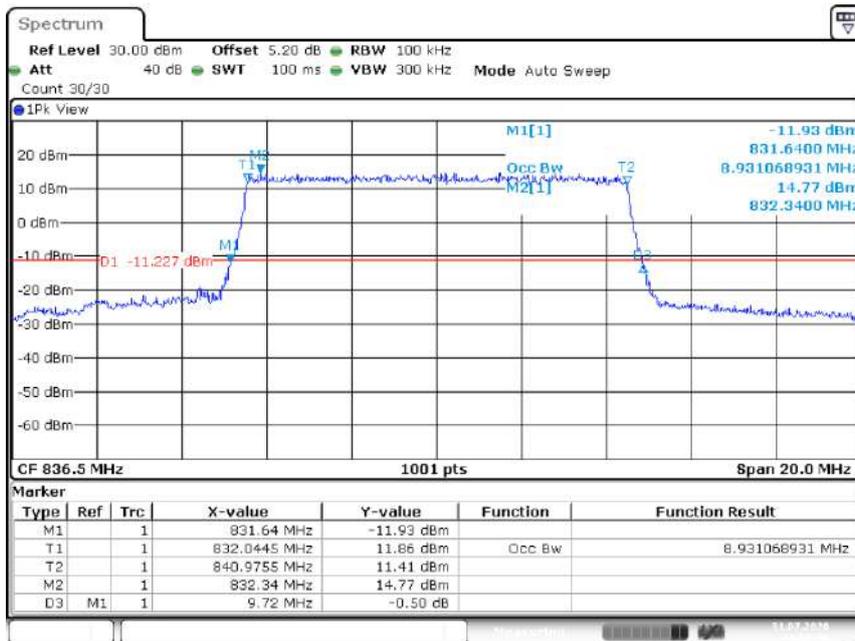
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-16QAM-20450-50RB#0-8.951



Date: 31 JUL 2020 10:04:40

Band5-10MHz-16QAM-20525-50RB#0-8.931

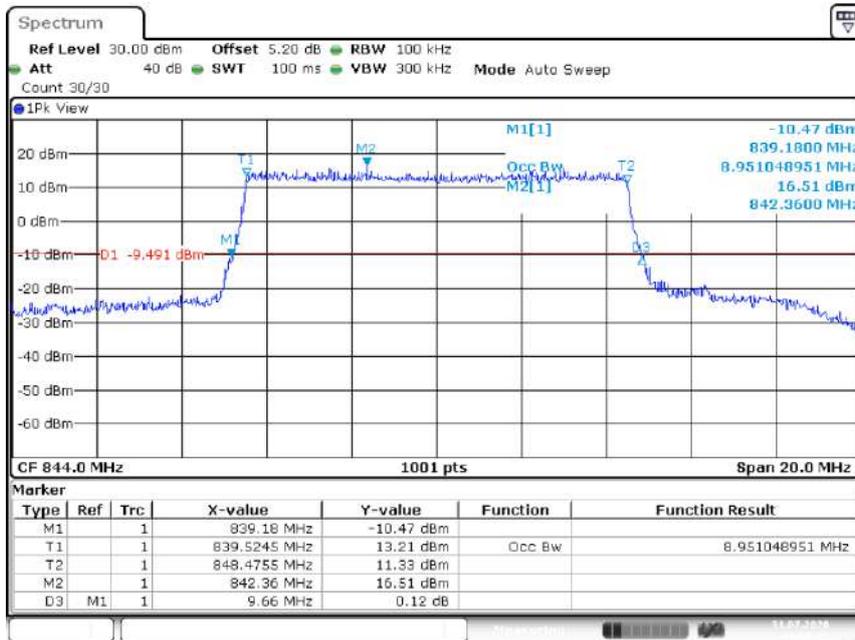


Date: 31 JUL 2020 10:05:06



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

Band5-10MHz-16QAM-20600-50RB#0-8.951



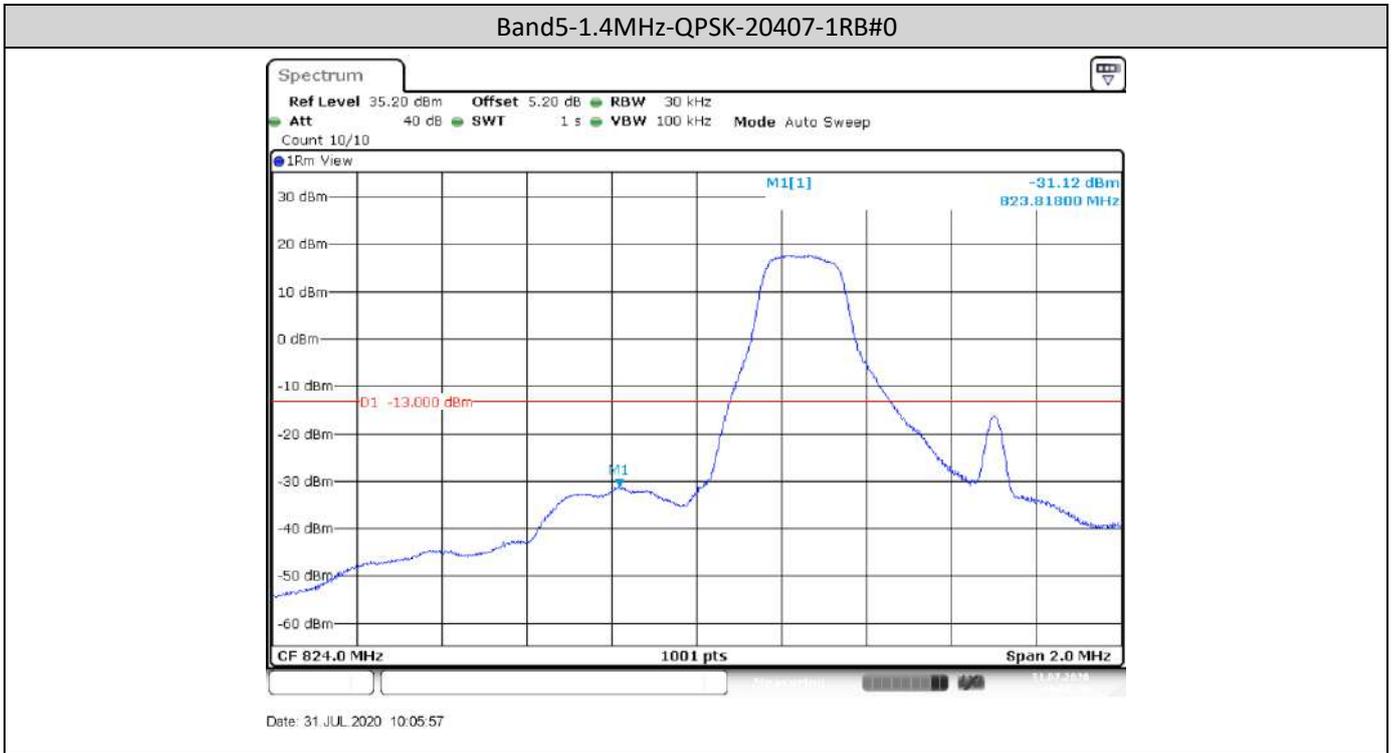
Date: 31 JUL 2020 10:05:31



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

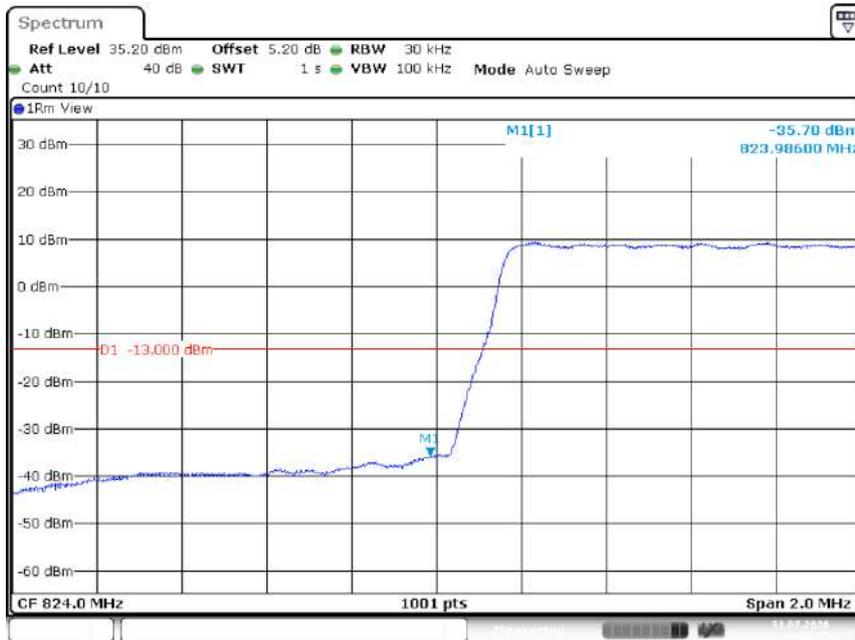
5. Band Edge Compliance

5.1. Test Plots



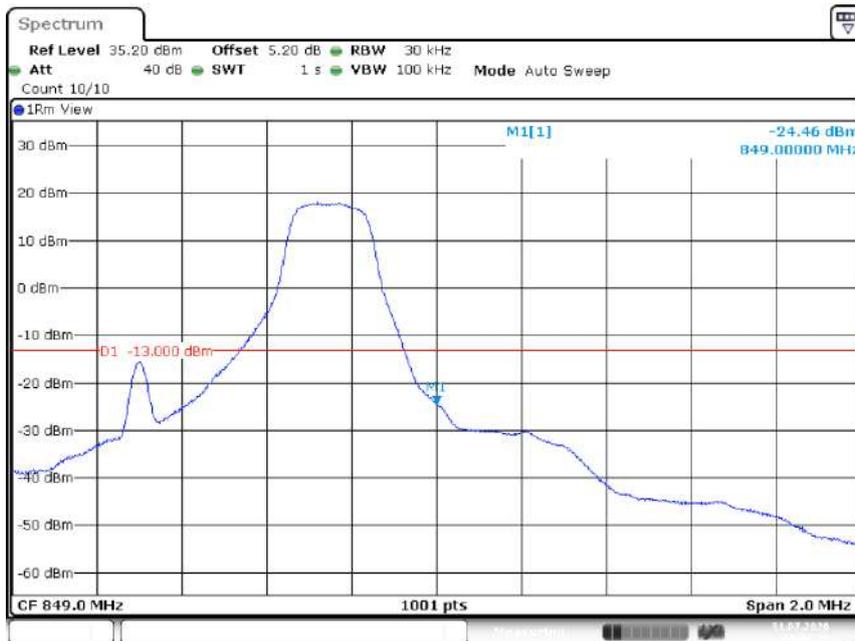
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-1.4MHz-QPSK-20407-6RB#0



Date: 31 JUL 2020 10:06:38

Band5-1.4MHz-QPSK-20643-1RB#5

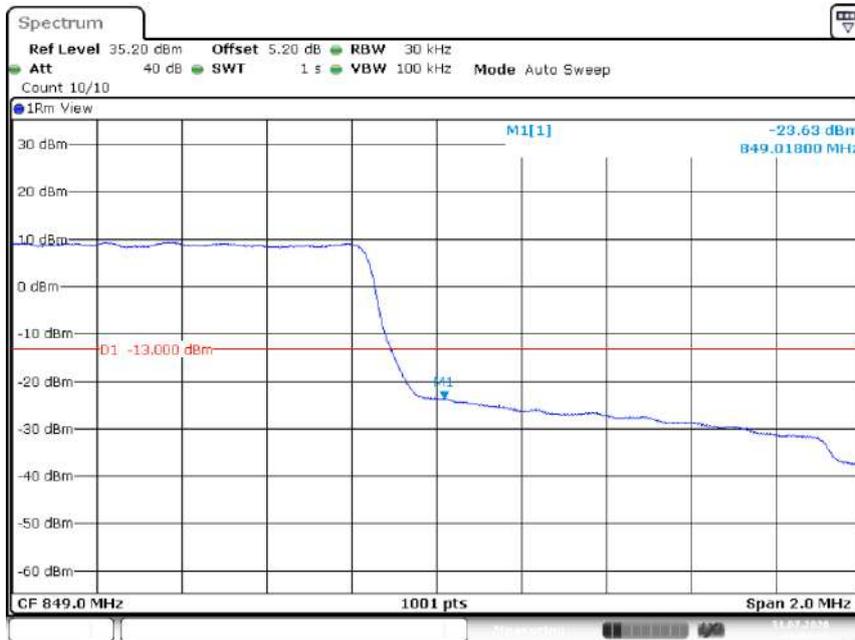


Date: 31 JUL 2020 10:07:23



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

Band5-1.4MHz-QPSK-20643-6RB#0



Date: 31 JUL 2020 10:08:04

Band5-1.4MHz-64QAM-20407-1RB#0

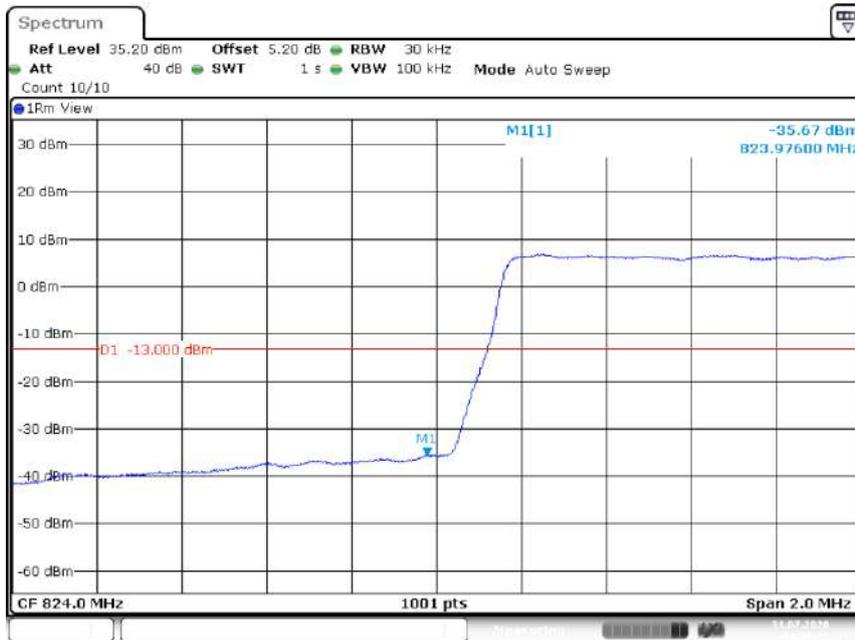


Date: 31 JUL 2020 14:27:11



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

Band5-1.4MHz-64QAM-20407-6RB#0



Date: 31 JUL 2020 14:27:31

Band5-1.4MHz-64QAM-20643-1RB#5

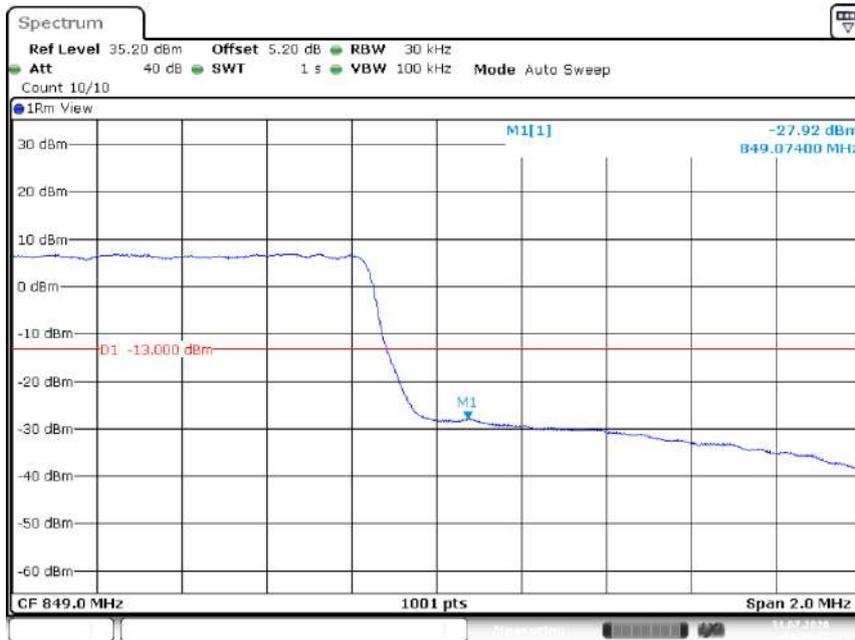


Date: 31 JUL 2020 14:27:56



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

Band5-1.4MHz-64QAM-20643-6RB#0



Date: 31 JUL 2020 14:28:17

Band5-1.4MHz-16QAM-20407-1RB#0

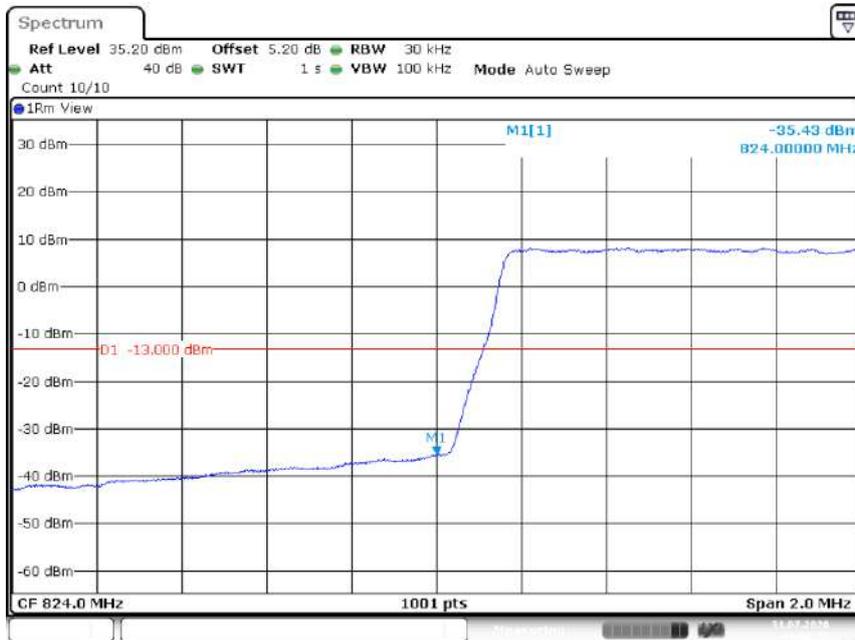


Date: 31 JUL 2020 10:06:17



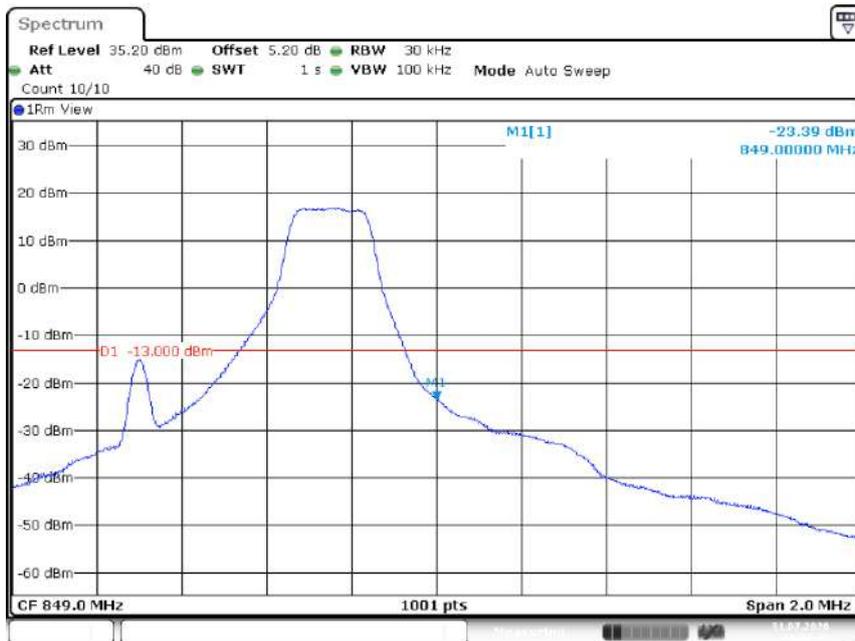
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-1.4MHz-16QAM-20407-6RB#0



Date: 31 JUL 2020 10:06:58

Band5-1.4MHz-16QAM-20643-1RB#5

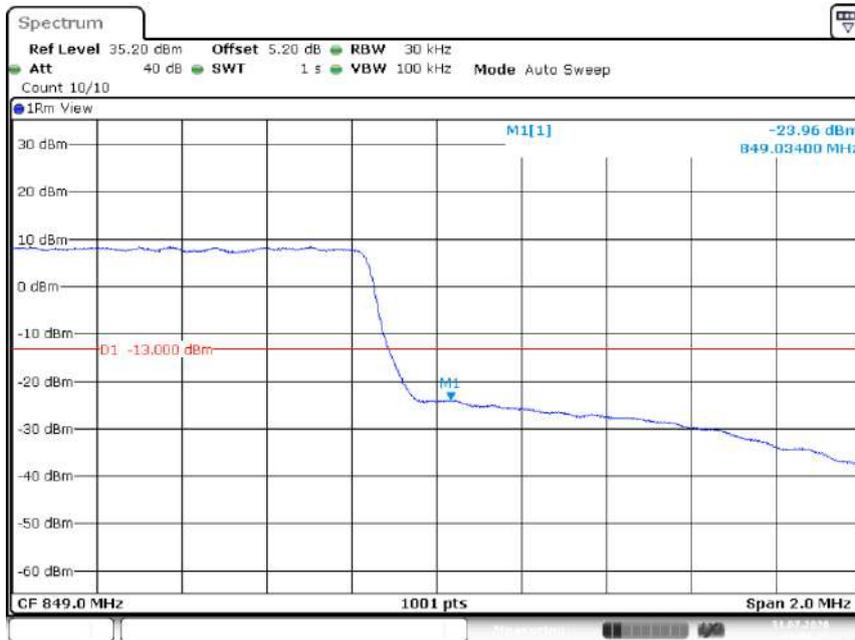


Date: 31 JUL 2020 10:07:43



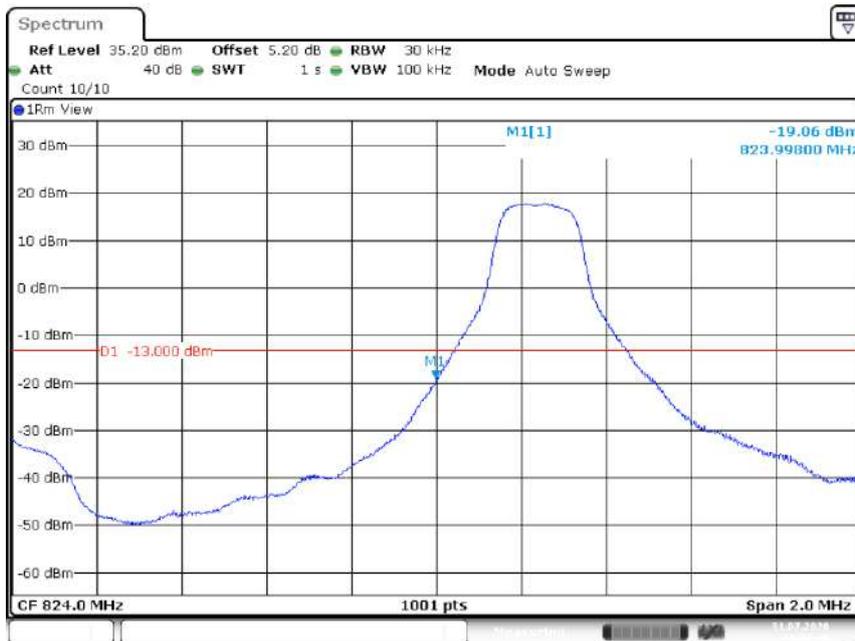
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-1.4MHz-16QAM-20643-6RB#0



Date: 31 JUL 2020 10:08:24

Band5-3MHz-QPSK-20415-1RB#0

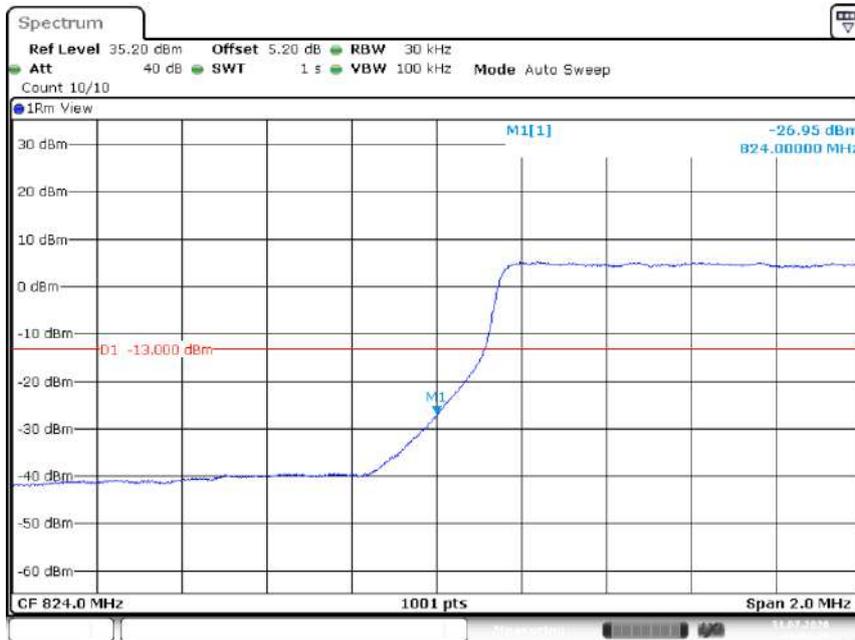


Date: 31 JUL 2020 10:08:49



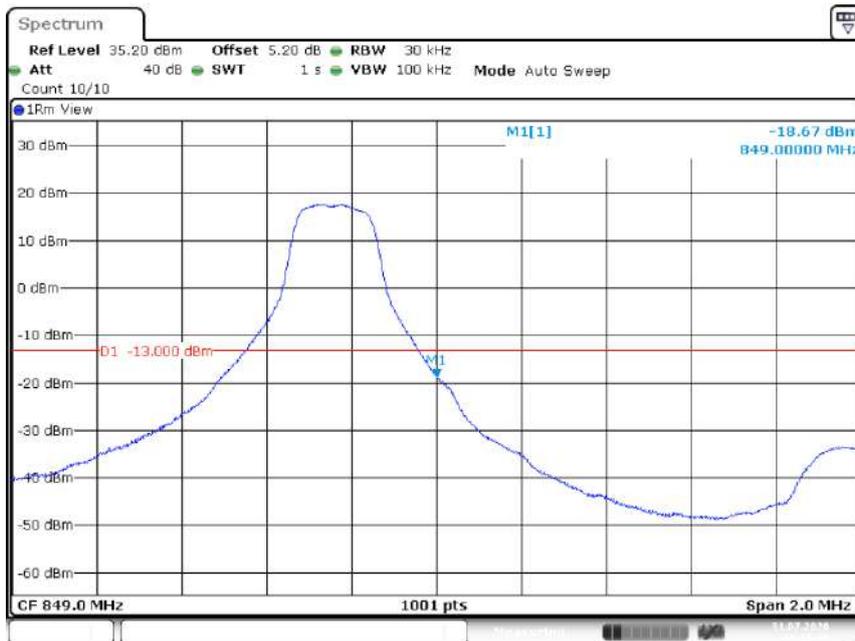
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-3MHz-QPSK-20415-15RB#0



Date: 31 JUL 2020 10:09:30

Band5-3MHz-QPSK-20635-1RB#14

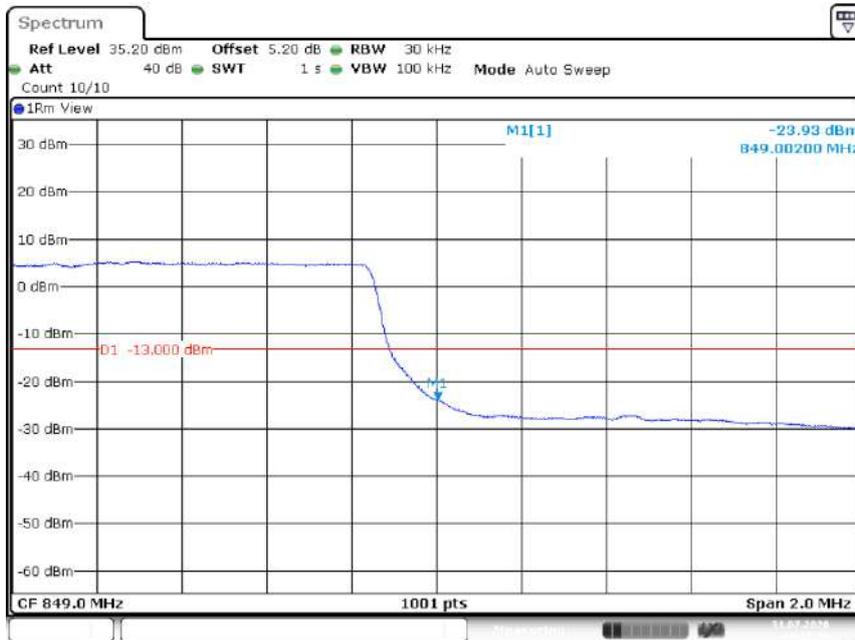


Date: 31 JUL 2020 10:15:10



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

Band5-3MHz-QPSK-20635-15RB#0



Date: 31 JUL 2020 10:15:51

Band5-3MHz-64QAM-20415-1RB#0

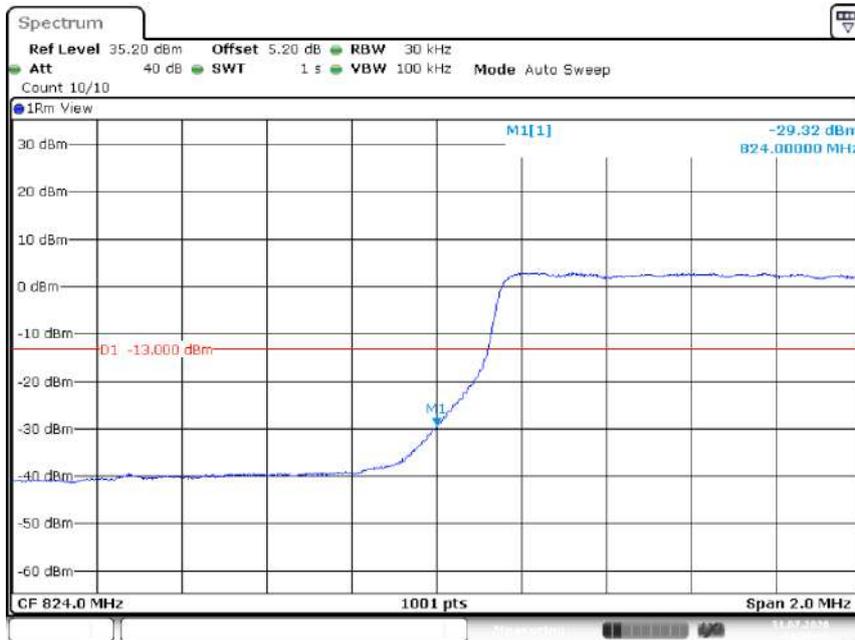


Date: 31 JUL 2020 14:28:43



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

Band5-3MHz-64QAM-20415-15RB#0



Date: 31 JUL 2020 14:29:03

Band5-3MHz-64QAM-20635-1RB#14



Date: 31 JUL 2020 14:29:28



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: G.N.Doecheck@sgs.com

Band5-3MHz-64QAM-20635-15RB#0



Date: 31 JUL 2020 14:29:49

Band5-3MHz-16QAM-20415-1RB#0

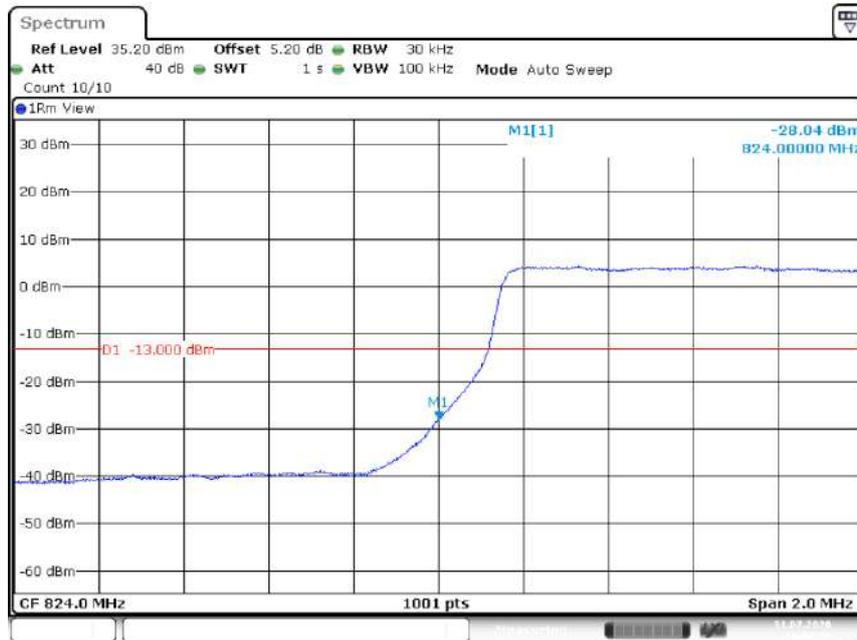


Date: 31 JUL 2020 10:09:10



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

Band5-3MHz-16QAM-20415-15RB#0



Date: 31 JUL 2020 10:09:51

Band5-3MHz-16QAM-20635-1RB#14

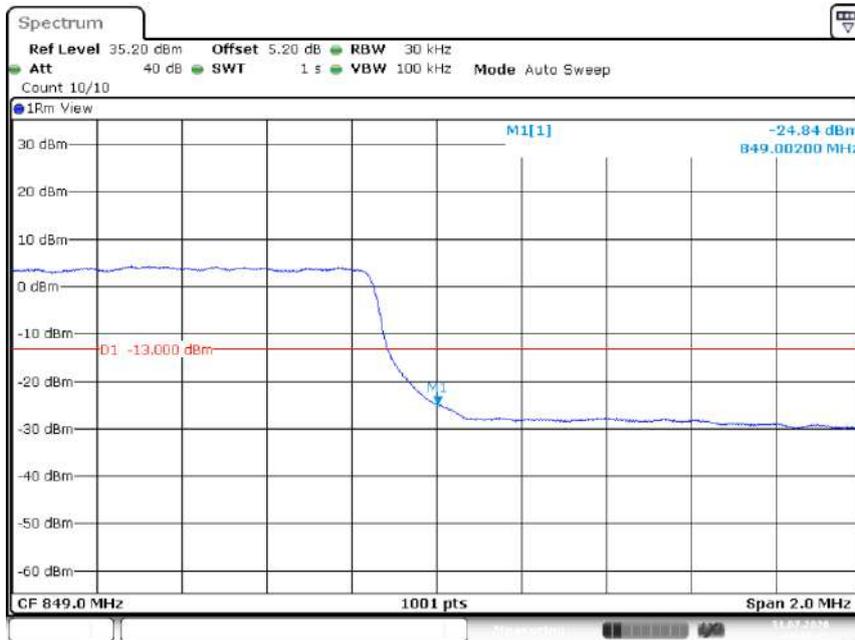


Date: 31 JUL 2020 10:15:31



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

Band5-3MHz-16QAM-20635-15RB#0



Date: 31 JUL 2020 10:16:12

Band5-5MHz-QPSK-20425-1RB#0



Date: 31 JUL 2020 10:16:37



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

Band5-5MHz-QPSK-20425-25RB#0



Date: 31 JUL 2020 10:17:18

Band5-5MHz-QPSK-20625-1RB#24

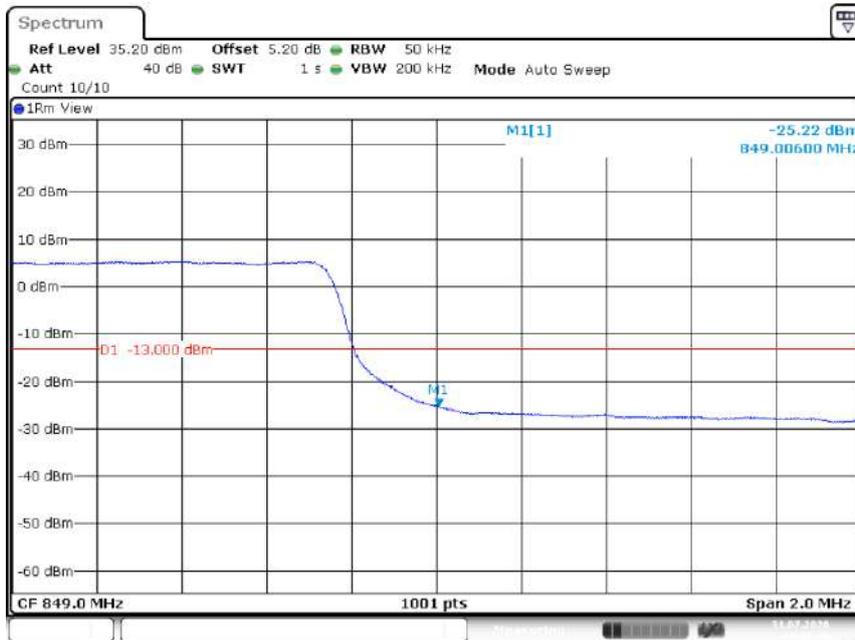


Date: 31 JUL 2020 10:18:03



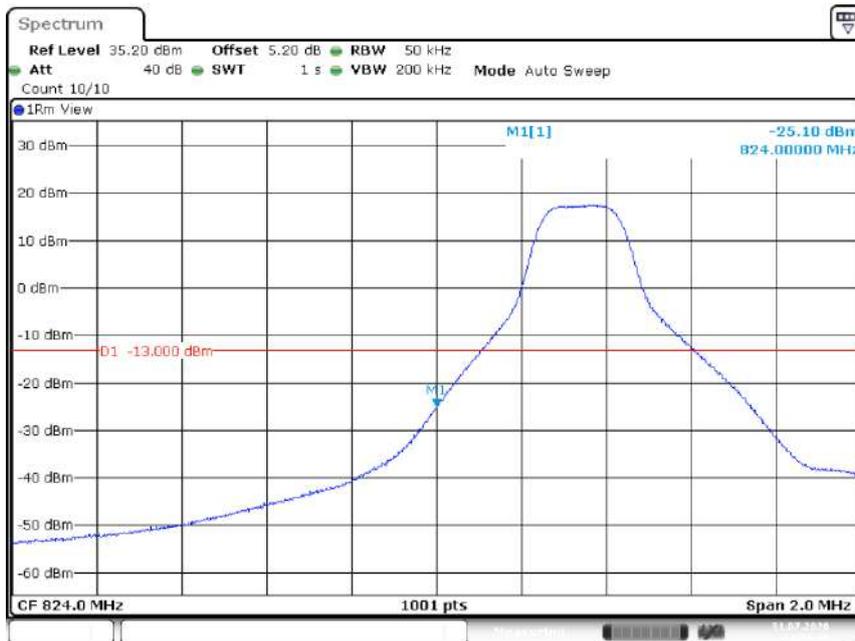
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-QPSK-20625-25RB#0



Date: 31 JUL 2020 10:18:44

Band5-5MHz-64QAM-20425-1RB#0

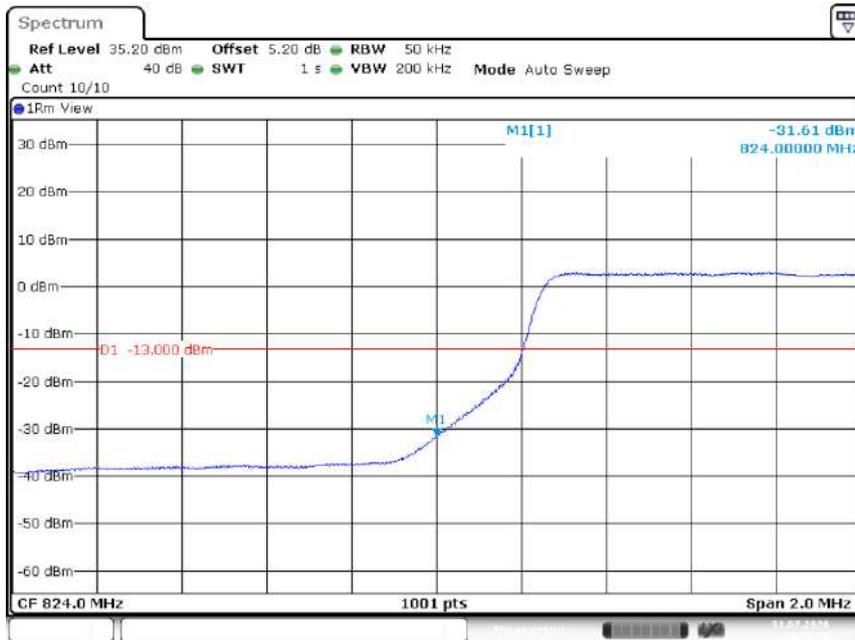


Date: 31 JUL 2020 14:30:14



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

Band5-5MHz-64QAM-20425-25RB#0



Date: 31 JUL 2020 14:30:35

Band5-5MHz-64QAM-20625-1RB#24

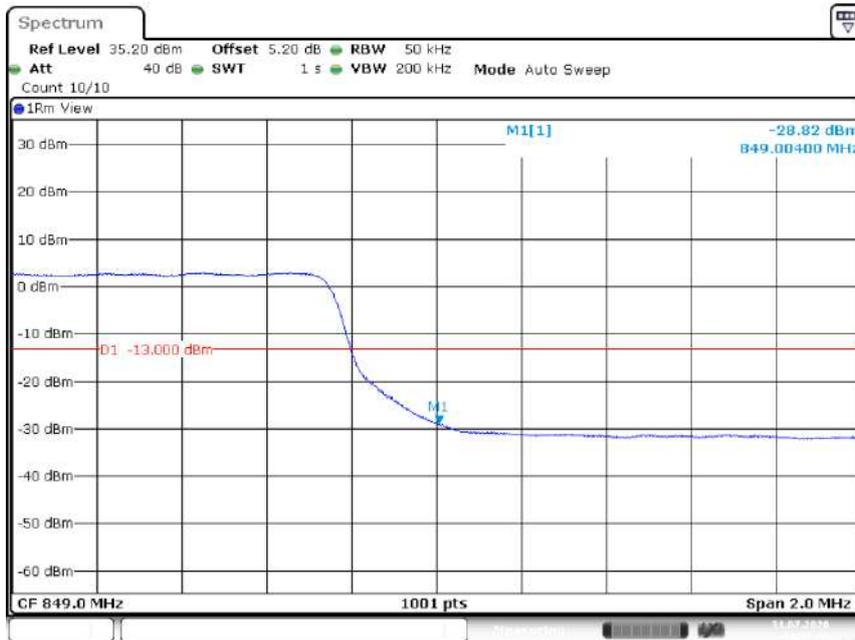


Date: 31 JUL 2020 14:31:00



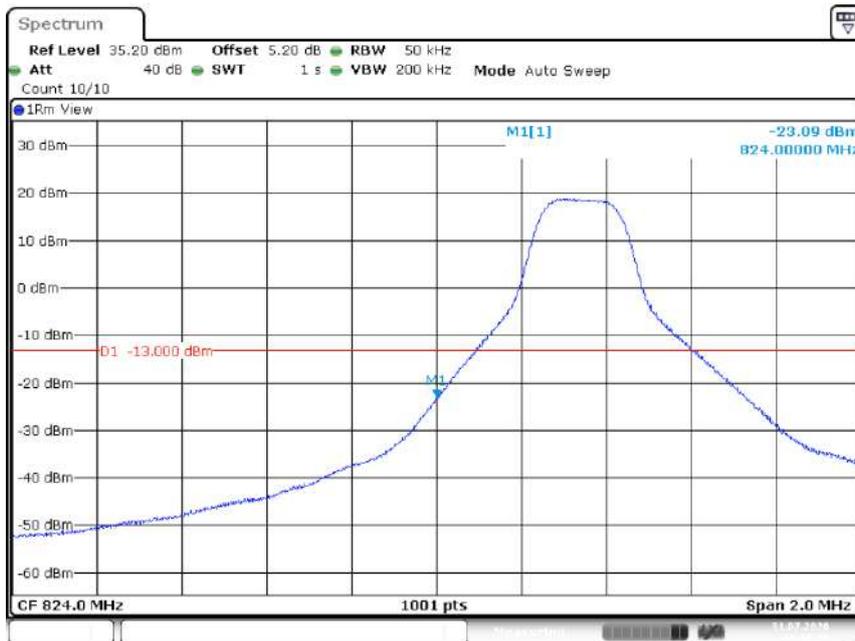
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-64QAM-20625-25RB#0



Date: 31 JUL 2020 14:31:20

Band5-5MHz-16QAM-20425-1RB#0

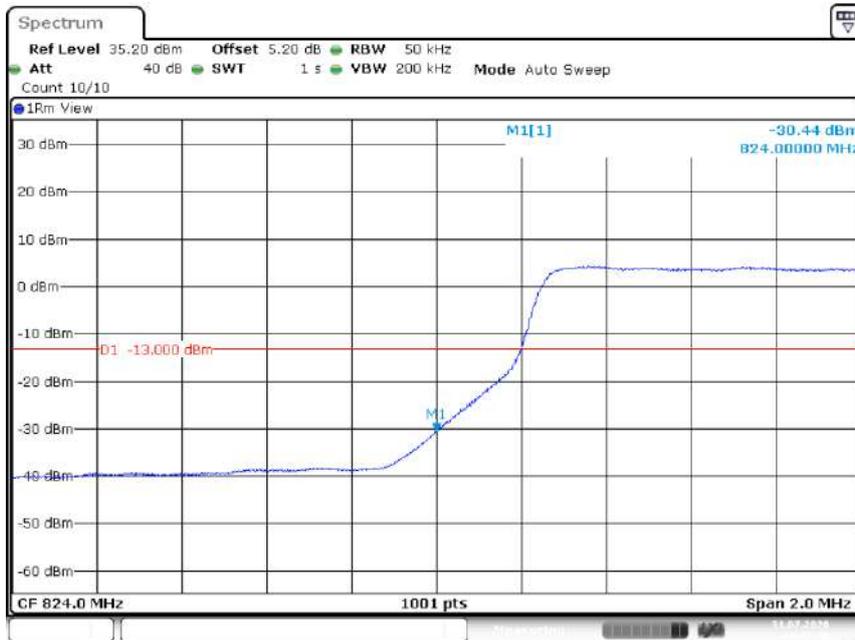


Date: 31 JUL 2020 10:16:58



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

Band5-5MHz-16QAM-20425-25RB#0



Date: 31 JUL 2020 10:17:38

Band5-5MHz-16QAM-20625-1RB#24



Date: 31 JUL 2020 10:18:24



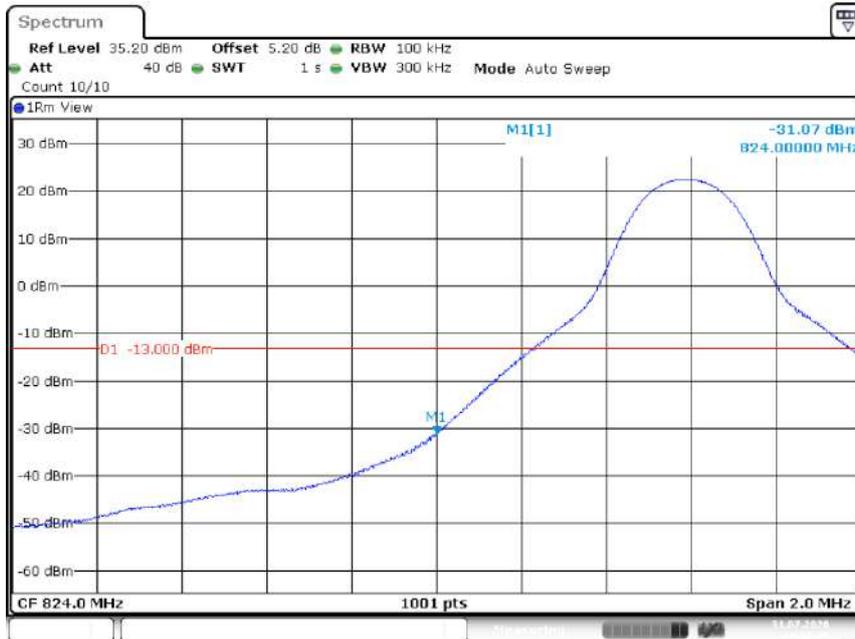
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-5MHz-16QAM-20625-25RB#0



Date: 31 JUL 2020 10:19:05

Band5-10MHz-QPSK-20450-1RB#0



Date: 31 JUL 2020 10:19:30



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

Band5-10MHz-QPSK-20450-50RB#0



Date: 31 JUL 2020 10:20:11

Band5-10MHz-QPSK-20600-1RB#49

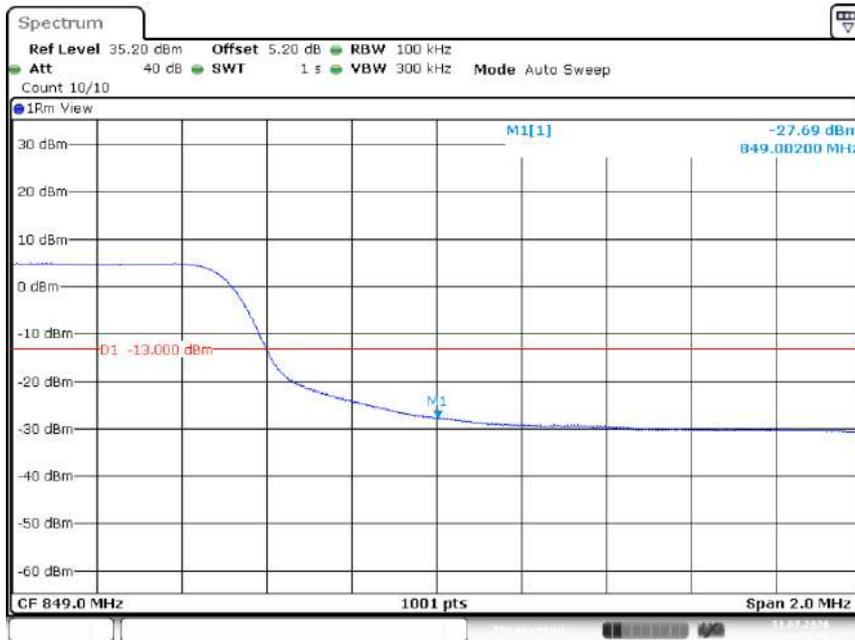


Date: 31 JUL 2020 10:20:56



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

Band5-10MHz-QPSK-20600-50RB#0



Date: 31 JUL 2020 10:21:37

Band5-10MHz-64QAM-20450-1RB#0



Date: 31 JUL 2020 14:31:46



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

Band5-10MHz-64QAM-20450-50RB#0



Date: 31 JUL 2020 14:32:06

Band5-10MHz-64QAM-20600-1RB#49



Date: 31 JUL 2020 14:34:21



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

Band5-10MHz-64QAM-20600-50RB#0



Date: 31 JUL 2020 14:34:42

Band5-10MHz-16QAM-20450-1RB#0



Date: 31 JUL 2020 10:19:50



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

Band5-10MHz-16QAM-20450-50RB#0



Date: 31 JUL 2020 10:20:31

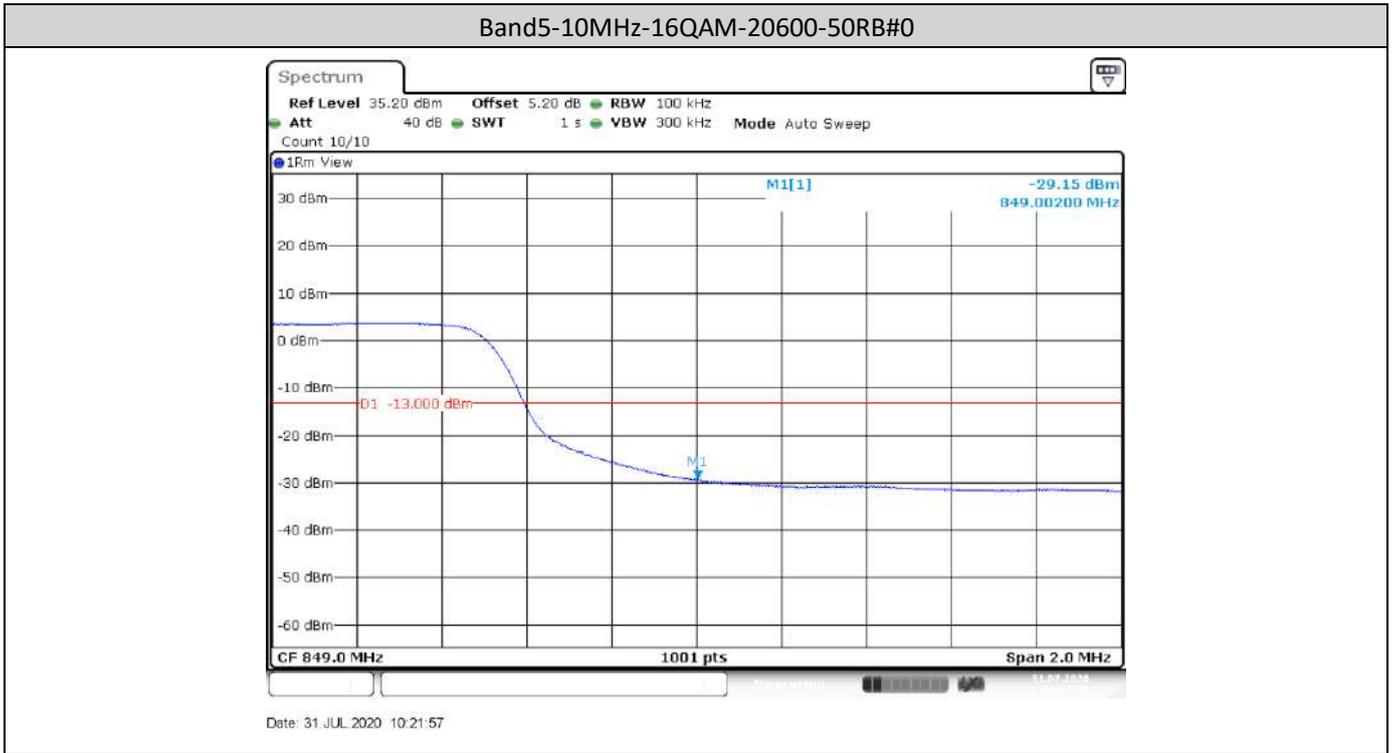
Band5-10MHz-16QAM-20600-1RB#49



Date: 31 JUL 2020 10:21:16



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



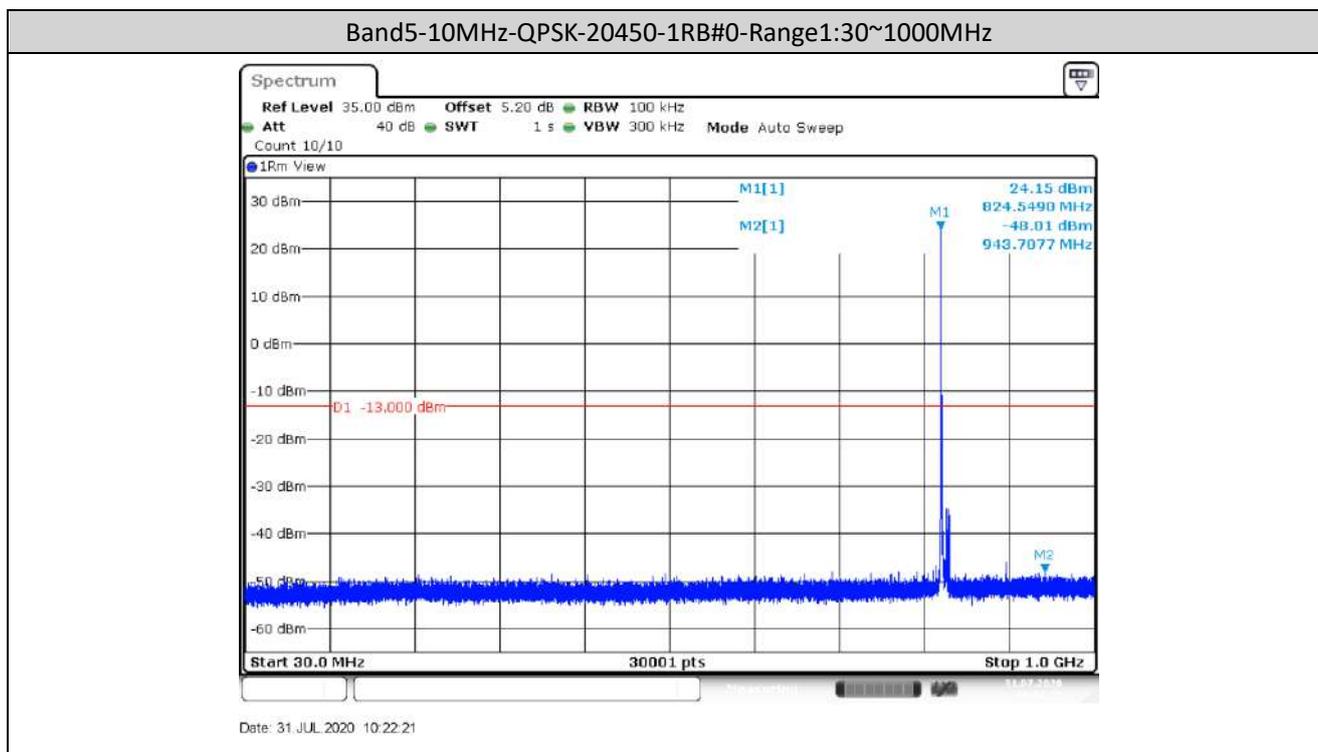
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

6. Spurious Emission at Antenna Terminal

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

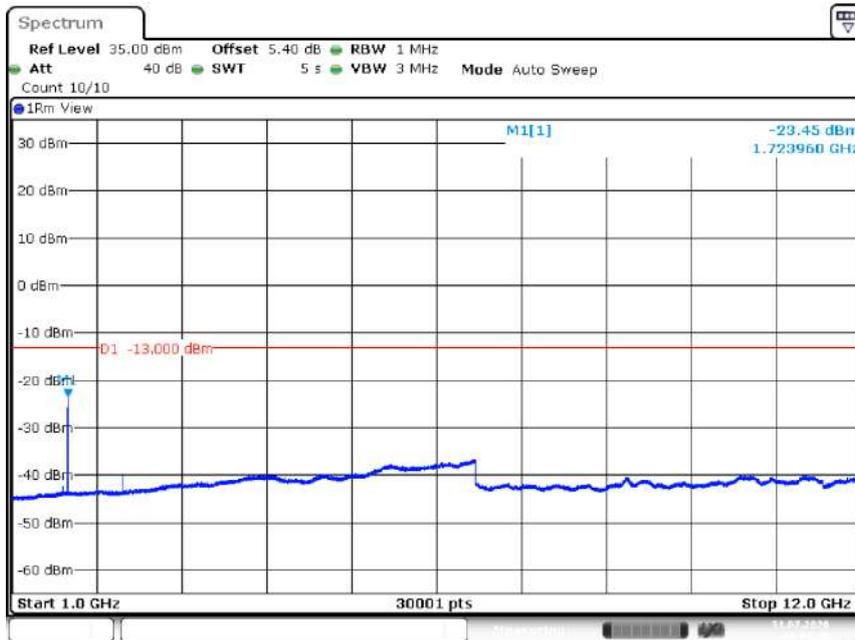
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



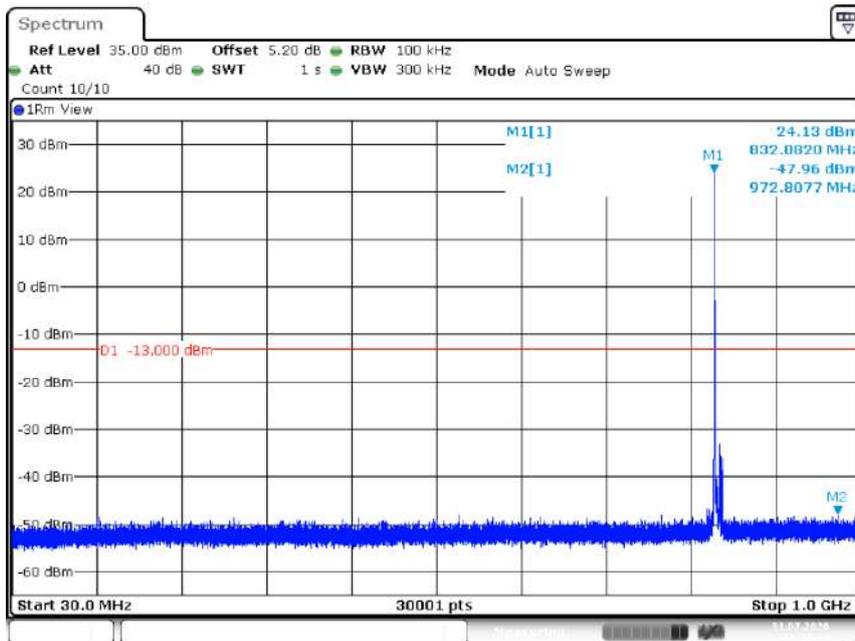
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 10:23:29

Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

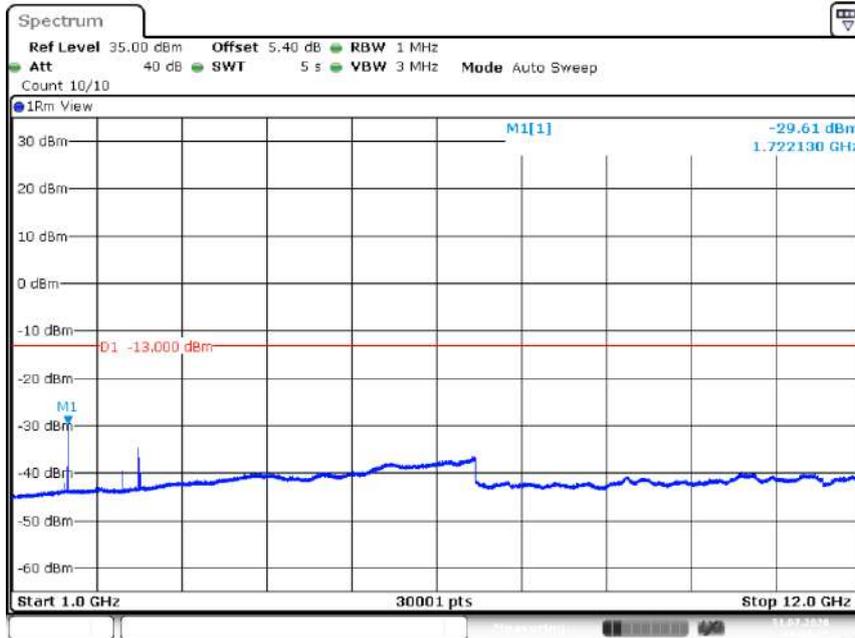


Date: 31 JUL 2020 10:25:15



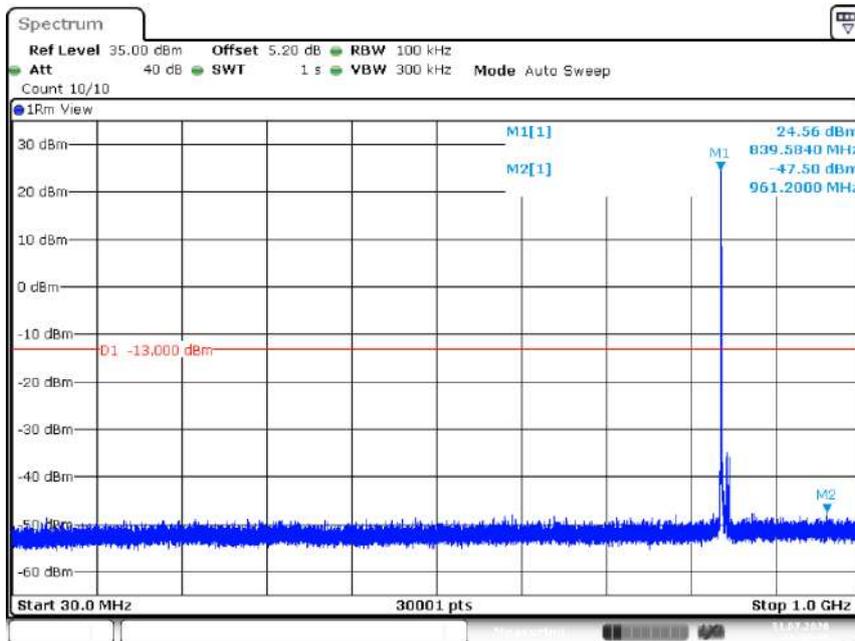
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 10:26:22

Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz

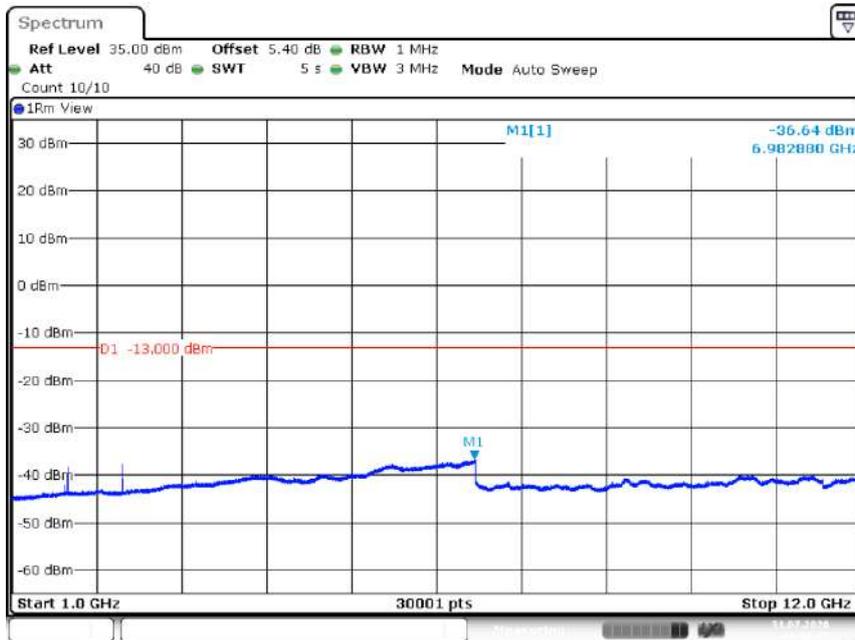


Date: 31 JUL 2020 10:28:08



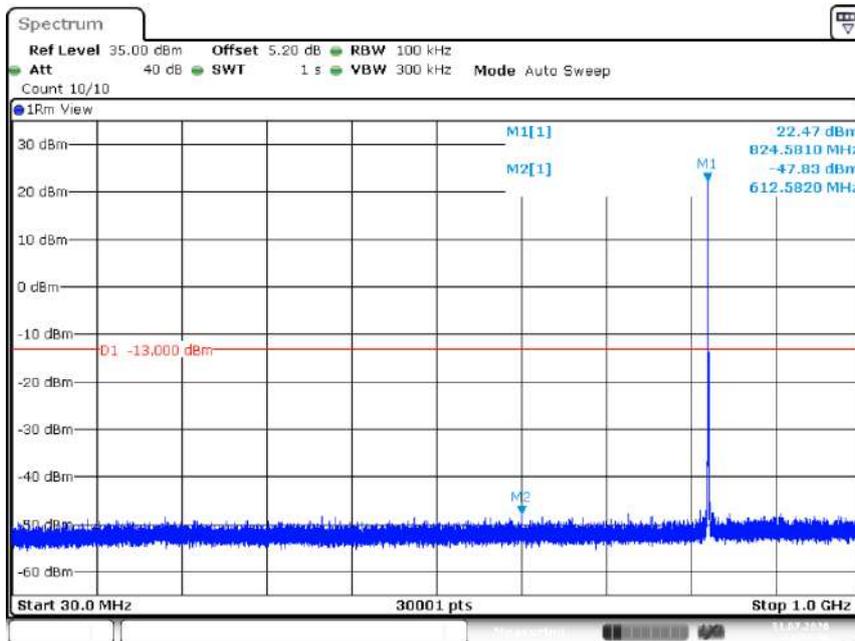
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 10:29:15

Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz

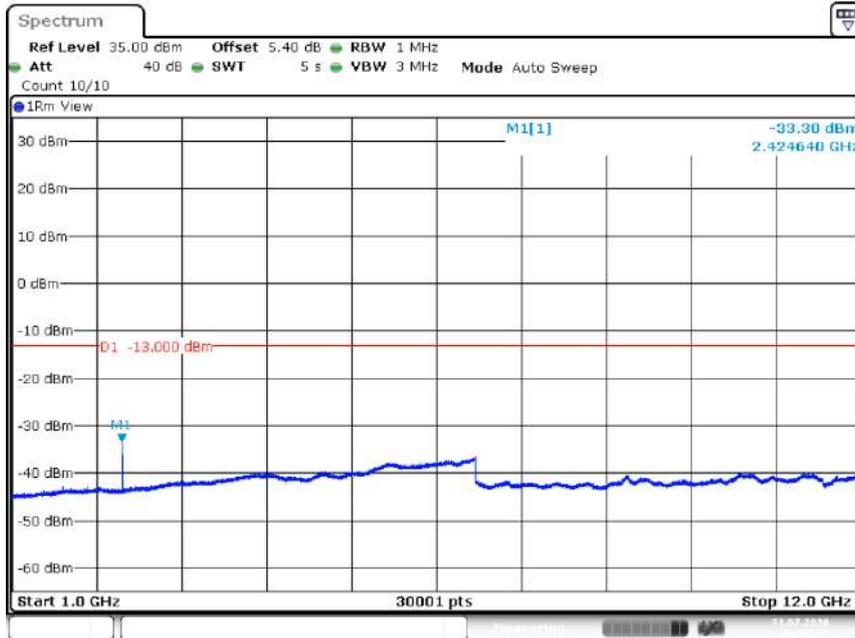


Date: 31 JUL 2020 14:35:06



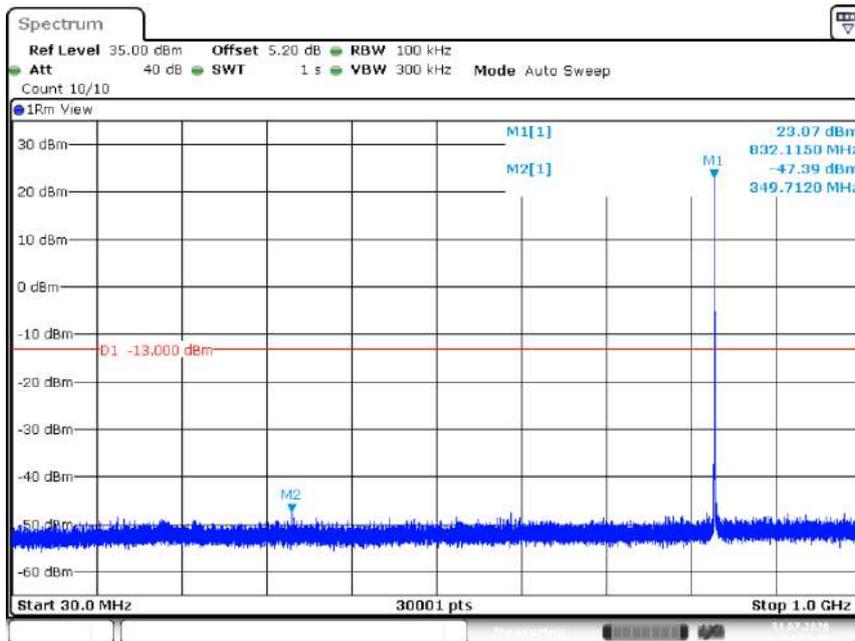
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 14:36:13

Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz

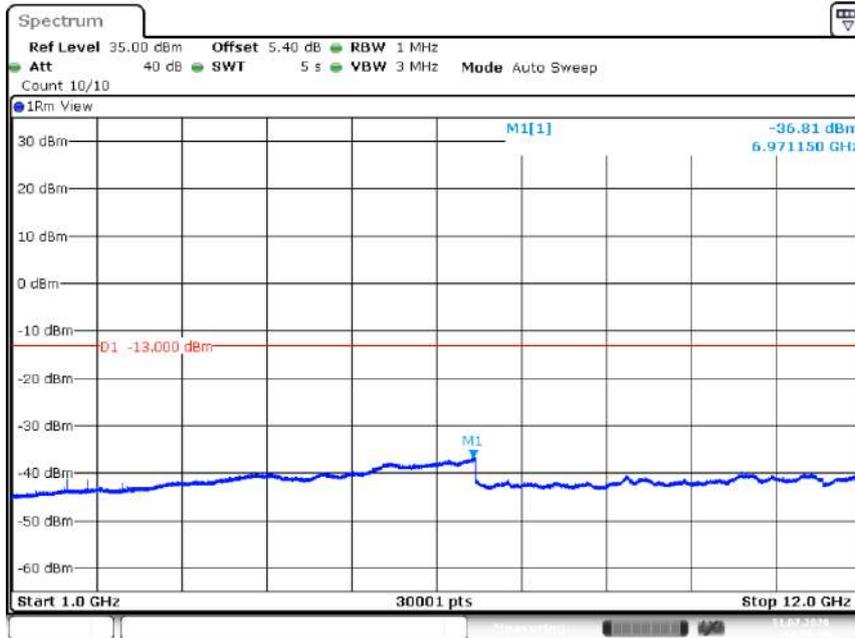


Date: 31 JUL 2020 14:36:33



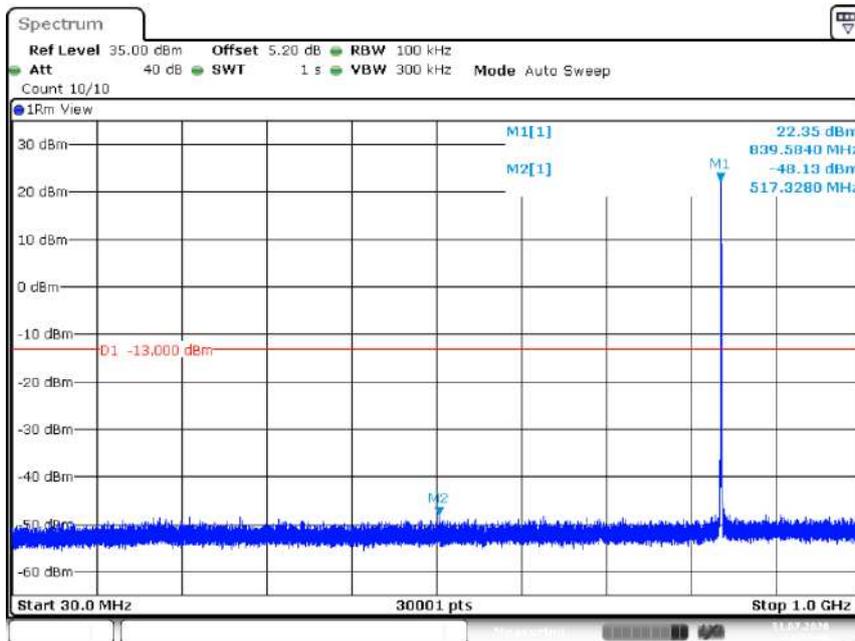
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 14:37:40

Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz

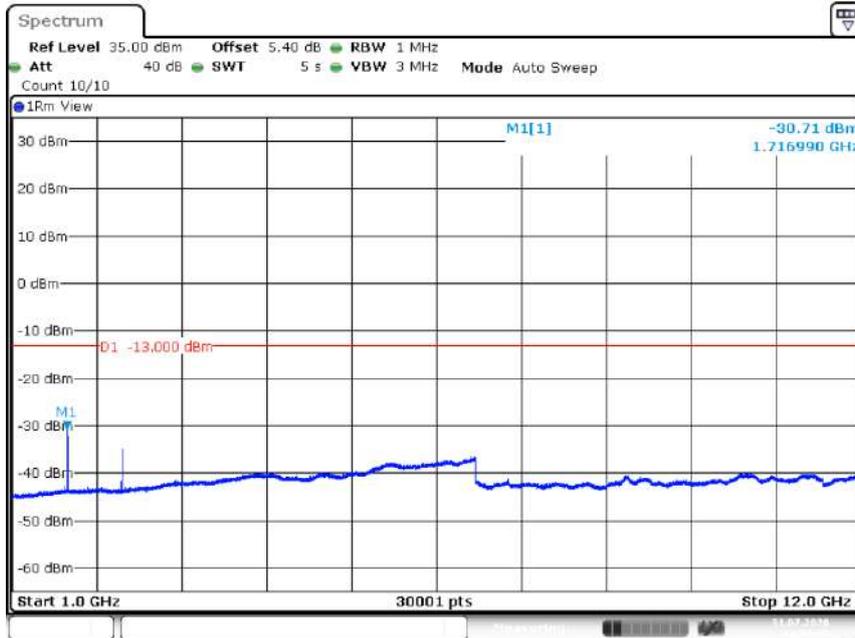


Date: 31 JUL 2020 14:38:00



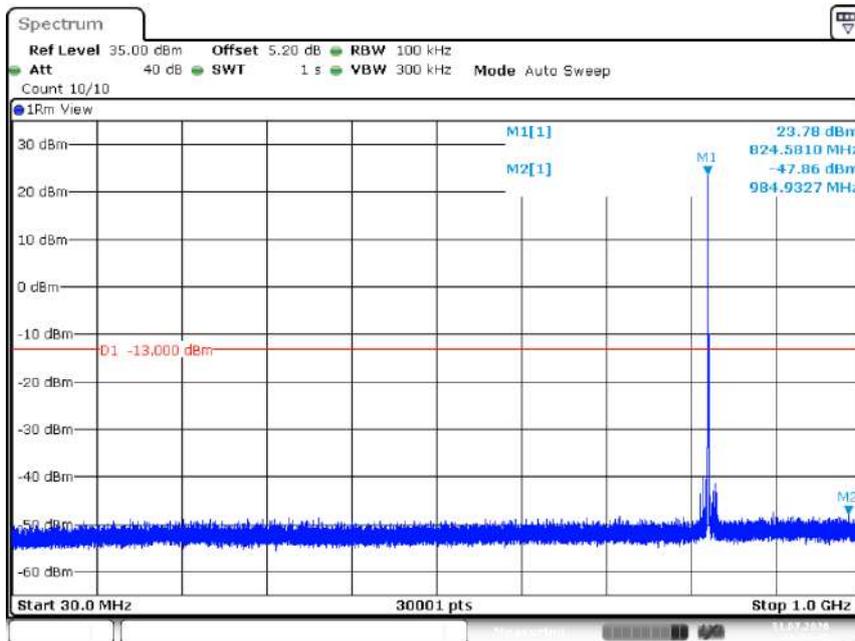
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 14:39:07

Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz

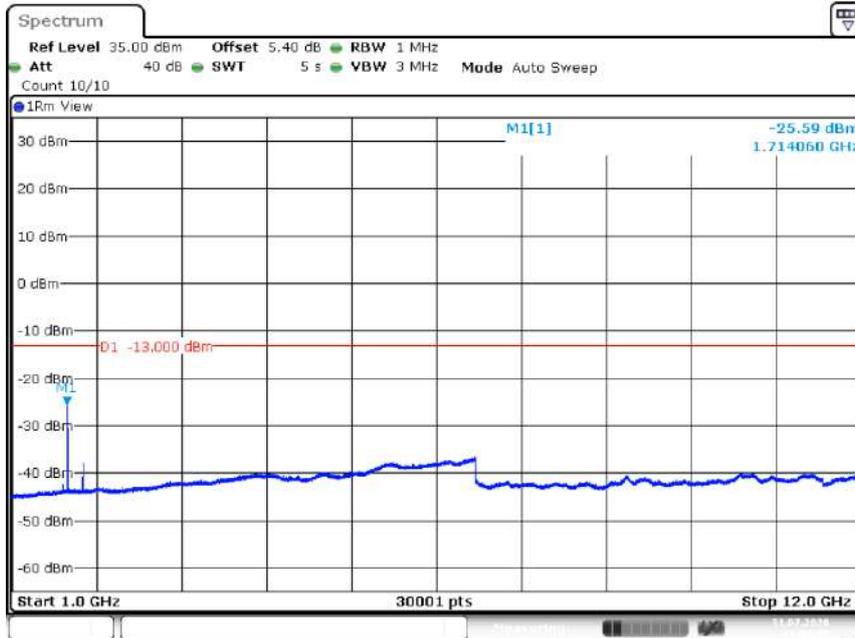


Date: 31 JUL 2020 10:23:48



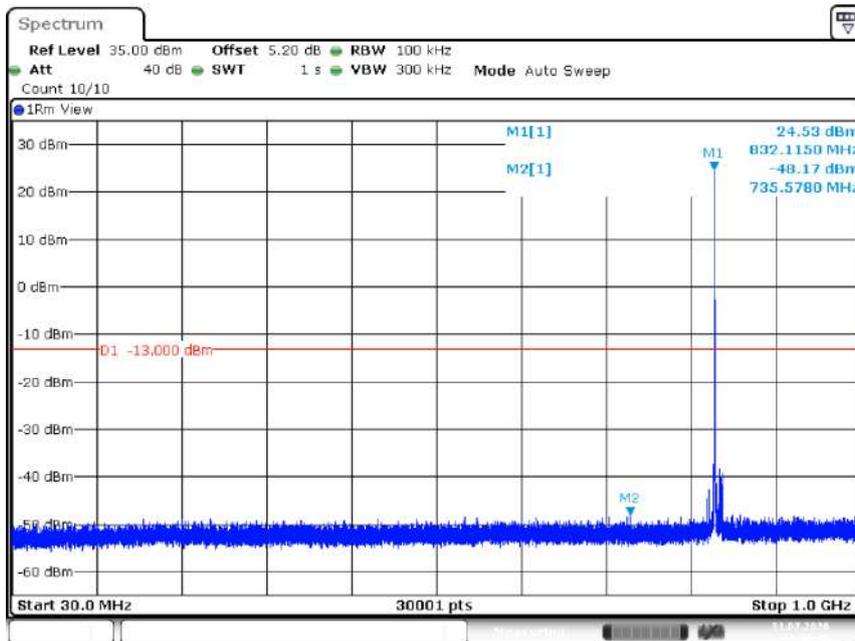
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 10:24:55

Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

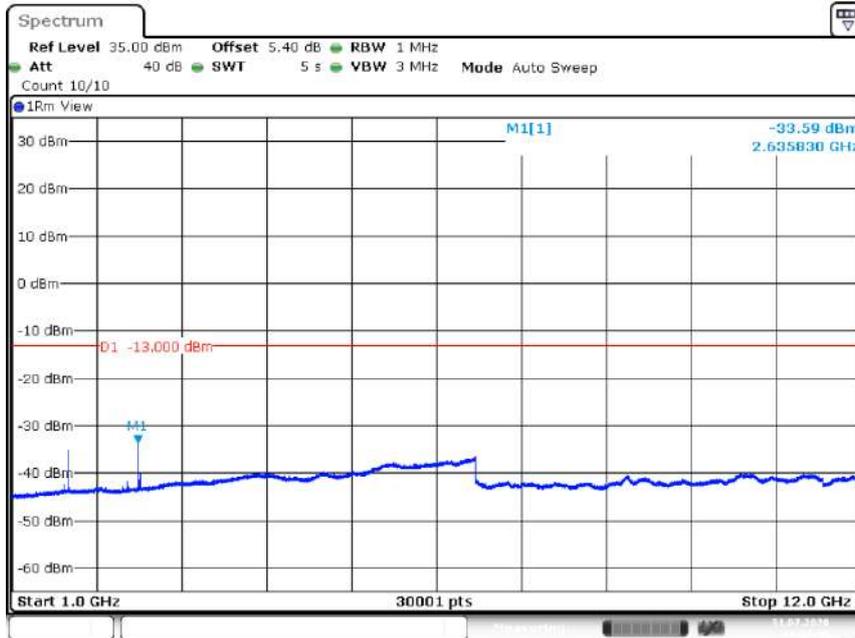


Date: 31 JUL 2020 10:26:41



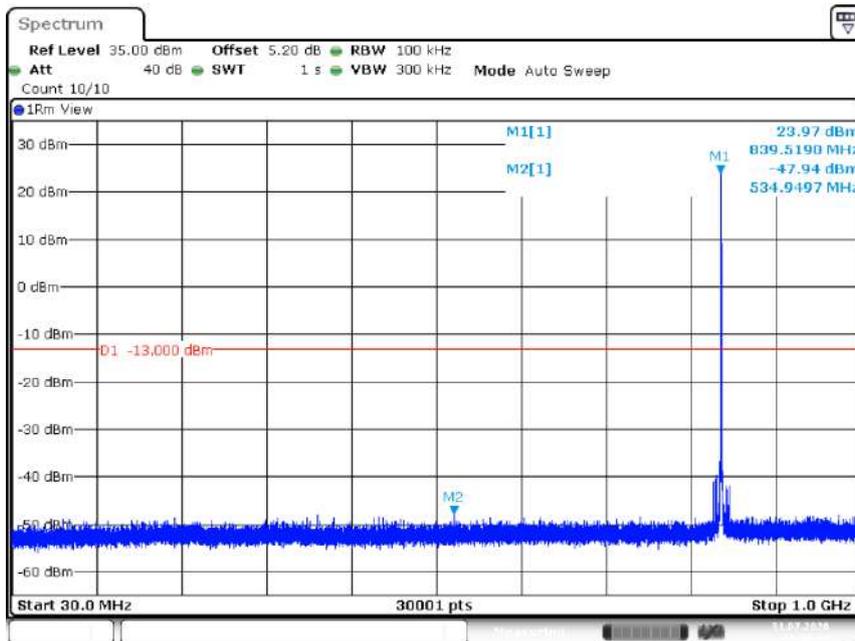
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 10:27:48

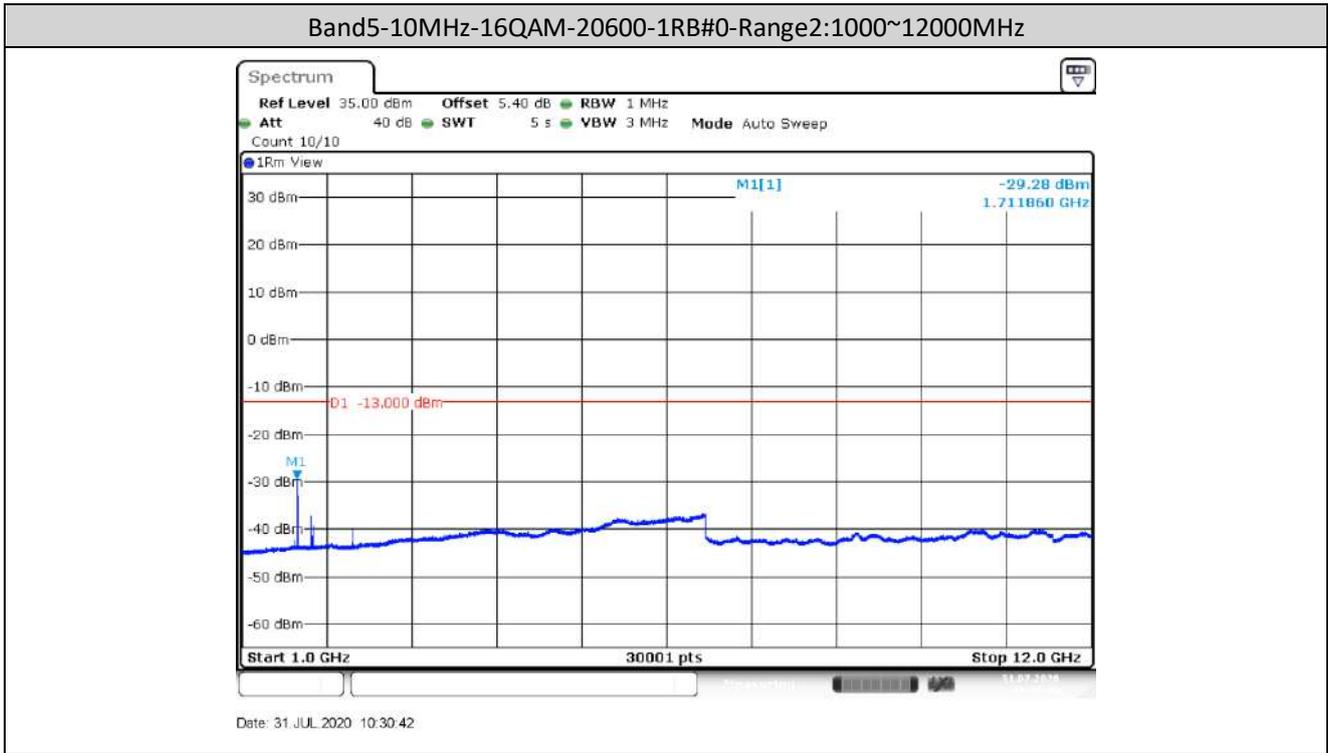
Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 10:29:35



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



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

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

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz(Up Antenna)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.2611	-71.14	-13.00	58.14	Vertical
112.6966	-62.32	-13.00	49.32	Vertical
363.2117	-65.33	-13.00	52.33	Vertical
1649.3299	-43.92	-13.00	30.92	Vertical
2472.6945	-51.20	-13.00	38.20	Vertical
9873.9958	-52.01	-13.00	39.01	Vertical
45.1328	-62.02	-13.00	49.02	Horizontal
108.6709	-73.78	-13.00	60.78	Horizontal
226.7743	-65.70	-13.00	52.70	Horizontal
1648.9298	-41.49	-13.00	28.49	Horizontal
2473.0946	-50.78	-13.00	37.78	Horizontal
7479.4493	-55.69	-13.00	42.69	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0186	-70.89	-13.00	57.89	Vertical
110.9020	-62.79	-13.00	49.79	Vertical
380.6240	-65.00	-13.00	52.00	Vertical
1664.1328	-42.26	-13.00	29.26	Vertical
2695.5391	-57.26	-13.00	44.26	Vertical
9872.5958	-52.00	-13.00	39.00	Vertical
44.0172	-62.62	-13.00	49.62	Horizontal
99.0190	-73.20	-13.00	60.20	Horizontal
244.7202	-64.14	-13.00	51.14	Horizontal
1664.1328	-38.98	-13.00	25.98	Horizontal
2698.7397	-56.33	-13.00	43.33	Horizontal
7463.8155	-55.92	-13.00	42.92	Horizontal



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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.3581	-71.19	-13.00	58.19	Vertical
112.3086	-62.50	-13.00	49.50	Vertical
310.3925	-66.03	-13.00	53.03	Vertical
1678.9358	-41.63	-13.00	28.63	Vertical
2693.5387	-57.32	-13.00	44.32	Vertical
9900.3633	-52.05	-13.00	39.05	Vertical
43.1927	-62.31	-13.00	49.31	Horizontal
91.4526	-73.18	-13.00	60.18	Horizontal
243.4592	-64.94	-13.00	51.94	Horizontal
1678.9358	-39.33	-13.00	26.33	Horizontal
2698.7397	-56.04	-13.00	43.04	Horizontal
7476.4159	-55.86	-13.00	42.86	Horizontal



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

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

7.2. Test Mode =LTE/TM1 10MHz(Down Antenna)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
54.2512	-70.87	-13.00	57.87	Vertical
113.0362	-61.41	-13.00	48.41	Vertical
380.4300	-66.14	-13.00	53.14	Vertical
1649.3299	-63.54	-13.00	50.54	Vertical
2409.4819	-57.91	-13.00	44.91	Vertical
7453.5485	-55.63	-13.00	42.63	Vertical
43.8232	-62.34	-13.00	49.34	Horizontal
101.3956	-73.38	-13.00	60.38	Horizontal
227.7444	-65.49	-13.00	52.49	Horizontal
1648.9298	-60.73	-13.00	47.73	Horizontal
2687.9376	-56.34	-13.00	43.34	Horizontal
7423.9141	-56.00	-13.00	43.00	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0186	-70.85	-13.00	57.85	Vertical
113.1817	-62.49	-13.00	49.49	Vertical
339.1060	-66.71	-13.00	53.71	Vertical
1664.1328	-64.23	-13.00	51.23	Vertical
2446.6893	-56.96	-13.00	43.96	Vertical
7469.1823	-55.39	-13.00	42.39	Vertical
43.1927	-62.38	-13.00	49.38	Horizontal
102.6081	-73.42	-13.00	60.42	Horizontal
231.0426	-64.80	-13.00	51.80	Horizontal
1664.1328	-63.01	-13.00	50.01	Horizontal
2469.0938	-56.30	-13.00	43.30	Horizontal
7483.1828	-55.89	-13.00	42.89	Horizontal



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

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.1641	-71.52	-13.00	58.52	Vertical
114.6852	-62.68	-13.00	49.68	Vertical
438.5359	-64.61	-13.00	51.61	Vertical
1700.1400	-62.57	-13.00	49.57	Vertical
2695.9392	-57.05	-13.00	44.05	Vertical
7478.9826	-55.54	-13.00	42.54	Vertical
38.8759	-62.17	-13.00	49.17	Horizontal
109.0105	-73.38	-13.00	60.38	Horizontal
238.0754	-64.19	-13.00	51.19	Horizontal
1678.9358	-62.50	-13.00	49.50	Horizontal
2466.6933	-56.05	-13.00	43.05	Horizontal
7461.4820	-56.19	-13.00	43.19	Horizontal

Remark:

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



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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.40	0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.10	0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-2.10	-0.002488	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-1.90	-0.002251	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	0.40	0.000474	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	-1.40	-0.001689	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	0.80	0.000956	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	0.80	0.000956	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	0.50	0.000592	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	0.90	0.001086	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	1.80	0.002171	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	0.10	0.000121	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-2.00	-0.002391	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	0.90	0.001066	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	6.80	0.008057	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-14.00	-0.016588	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
------	-----------	------------	---------	--------------	---------------	------------------	----------------	-----------------	-------------	---------



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

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

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



Band5	10MHz	QPSK	20450	50RB#0	NV	-30	0.60	0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	1.20	0.001448	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	2.10	0.002533	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	0.90	0.001086	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	1.50	0.001809	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	1.40	0.001689	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	2.60	0.003136	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	1.30	0.001540	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	0.60	0.000711	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-13.20	-0.015640	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-4.40	-0.005213	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	-0.80	-0.000965	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	0.50	0.000603	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-0.80	-0.000965	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	0.20	0.000241	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	0.90	0.001086	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	0.10	0.000121	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	0.20	0.000241	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	1.00	0.001195	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	1.00	0.001195	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-0.30	-0.000359	±2.5	PASS



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

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



Band5	10MHz	64QAM	20525	50RB#0	NV	40	1.50	0.001793	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	0.10	0.000118	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	0.10	0.000118	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	0.70	0.000829	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	0.90	0.001066	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	0.30	0.000355	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-0.30	-0.000355	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-1.40	-0.001689	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	0.60	0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	0.30	0.000362	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	1.20	0.001448	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	0.80	0.000965	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-2.90	-0.003467	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	22.90	0.027133	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	3.60	0.004265	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	9.90	0.011730	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-0.10	-0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	45.00	0.053318	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	4.20	0.004976	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-0.80	-0.000948	±2.5	PASS



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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 检测实验室

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