



Appendix B

E-UTRA Band 7



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

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



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 3

 1.1. TEST RESULT 3

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

 2.1. TEST RESULT 11

 2.2. TEST PLOTS..... 11

3. MODULATION CHARACTERISTICS..... 16

 3.1. TEST MODE = LTE /TM1 20MHZ..... 16

 3.1.1. TEST CHANNEL = MCH 16

 3.2. TEST MODE = LTE /TM2 20MHZ..... 17

 3.2.1. TEST CHANNEL = MCH 17

 3.3. TEST MODE = LTE /TM3 20MHZ..... 18

 3.3.1. TEST CHANNEL = MCH 18

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH 19

 4.1. TEST RESULT 19

 4.2. TEST PLOTS..... 20

5. BAND EDGE COMPLIANCE 39

 5.1. TEST RESULT 39

 5.2. TEST PLOTS..... 40

6. SPURIOUS EMISSION AT ANTENNA TERMINAL 65

 6.1. TEST PLOTS..... 65

7. FIELD STRENGTH OF SPURIOUS RADIATION 75

 7.1. TEST MODE =LTE/TM1 20MHZ..... 75

 7.1.1. TEST CHANNEL = LCH 75

 7.1.2. TEST CHANNEL = MCH 75

 7.1.3. TEST CHANNEL = HCH 76

8. FREQUENCY STABILITY 77

 8.1. FREQUENCY VS VOLTAGE..... 77

 8.2. FREQUENCY VS TEMPERATURE 78



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.56	22.16	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.36	21.96	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.94	21.54	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.73	21.33	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.35	21.95	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.65	21.25	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.77	21.37	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.23	21.83	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.73	22.33	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.35	21.95	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.58	21.18	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.47	21.07	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.36	20.96	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.43	21.03	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.04	21.64	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.28	21.88	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.88	21.48	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.07	20.67	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.08	20.68	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.14	20.74	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.19	20.79	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	22.21	20.81	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.58	20.18	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	22.02	20.62	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	21.91	20.51	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.98	19.58	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.86	19.46	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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



Band7	5MHz	64QAM	20775	25RB#0	20.87	19.47	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.74	20.34	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.58	20.18	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.36	19.96	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.49	19.09	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.52	19.12	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.55	19.15	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.46	19.06	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.38	19.98	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.16	19.76	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.12	19.72	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.19	18.79	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.17	18.77	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.15	18.75	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.09	18.69	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.81	21.41	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.21	20.81	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.72	21.32	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.76	20.36	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.88	20.48	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.82	20.42	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.84	20.44	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.74	21.34	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.78	21.38	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.61	21.21	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.52	20.12	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.48	20.08	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.47	20.07	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.40	20.00	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.40	21.00	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.14	20.74	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.24	20.84	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.25	19.85	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band7	5MHz	16QAM	21425	12RB#6	21.11	19.71	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.04	19.64	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.11	19.71	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.32	20.92	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.07	21.67	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.25	21.85	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.77	21.37	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.16	21.76	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.75	21.35	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.91	21.51	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	24.04	22.64	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.81	21.41	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.85	22.45	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.27	20.87	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.57	21.17	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.50	21.10	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.57	21.17	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.65	21.25	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.40	22.00	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.46	22.06	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.17	20.77	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.26	20.86	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.14	20.74	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.02	20.62	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.67	20.27	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.97	19.57	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.80	20.40	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	21.65	20.25	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.83	19.43	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.74	19.34	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.88	19.48	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.06	19.66	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.77	20.37	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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



Band7	10MHz	64QAM	21100	1RB#24	21.96	20.56	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.55	19.15	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.48	19.08	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.47	19.07	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.55	19.15	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.68	20.28	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.69	19.29	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.83	20.43	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.03	18.63	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.22	18.82	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.14	18.74	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.21	18.81	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.48	21.08	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.37	20.97	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.69	20.29	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.83	20.43	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.88	20.48	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.79	20.39	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.81	20.41	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.99	21.59	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.56	21.16	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.76	21.36	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.59	20.19	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.38	19.98	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.37	19.97	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.43	20.03	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.64	21.24	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.38	20.98	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.29	20.89	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.18	19.78	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.09	19.69	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.06	19.66	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.11	19.71	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band7	15MHz	QPSK	20825	1RB#74	22.70	21.30	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.89	21.49	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.39	21.99	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.62	21.22	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.76	21.36	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	23.11	21.71	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.79	21.39	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.51	22.11	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.35	21.95	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.11	21.71	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.61	21.21	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.56	21.16	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.33	20.93	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.48	21.08	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.25	21.85	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.09	21.69	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.87	21.47	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.22	20.82	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.04	20.64	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.06	20.66	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.14	20.74	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.18	19.78	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.39	19.99	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.96	20.56	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	21.58	20.18	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.82	19.42	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.63	19.23	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.83	19.43	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.49	20.09	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.15	19.75	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.85	20.45	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.41	19.01	33	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.57	19.17	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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 中国·深圳·科技园中区M-10栋一号楼
 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栋一号楼 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band7	15MHz	64QAM	21100	36RB#18	20.44	19.04	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.39	18.99	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.38	19.98	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.13	19.73	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.96	19.56	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.16	18.76	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.26	18.86	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.08	18.68	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.16	18.76	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.26	20.86	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.67	21.27	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.04	20.64	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.74	20.34	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.69	20.29	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.80	20.40	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.77	20.37	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.60	21.20	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.40	21.00	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.72	21.32	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.55	20.15	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.42	20.02	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.30	19.90	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.46	20.06	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.41	21.01	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.28	20.88	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.09	20.69	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.26	19.86	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.15	19.75	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.18	19.78	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.01	19.61	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.33	21.93	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.72	21.32	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.91	21.51	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band7	20MHz	QPSK	20850	50RB#25	22.74	21.34	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.96	21.56	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.70	21.30	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.78	21.38	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.88	21.48	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.50	22.10	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.72	22.32	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.42	21.02	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.40	21.00	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.27	20.87	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.38	20.98	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.15	21.75	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.30	21.90	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.89	21.49	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.15	20.75	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.19	20.79	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.03	20.63	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.15	20.75	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.92	20.52	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.36	19.96	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.52	20.12	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.71	19.31	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	21.50	20.10	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.83	19.43	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.67	19.27	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.63	20.23	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.48	20.08	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.14	19.74	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.60	19.20	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.42	19.02	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.31	18.91	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.37	18.97	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.89	19.49	33	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-DocumentL.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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



Band7	20MHz	64QAM	21350	1RB#0	21.38	19.98	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.17	19.77	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.37	18.97	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.08	18.68	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.09	18.69	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.21	18.81	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.72	21.32	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.97	20.57	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.28	20.88	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.83	20.43	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.75	20.35	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.67	20.27	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.67	20.27	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.77	21.37	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.39	20.99	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.45	21.05	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.45	20.05	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.39	19.99	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.21	19.81	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.45	20.05	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.56	21.16	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.05	20.65	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.26	20.86	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.94	19.54	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.98	19.58	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.22	19.82	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.13	19.73	33	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

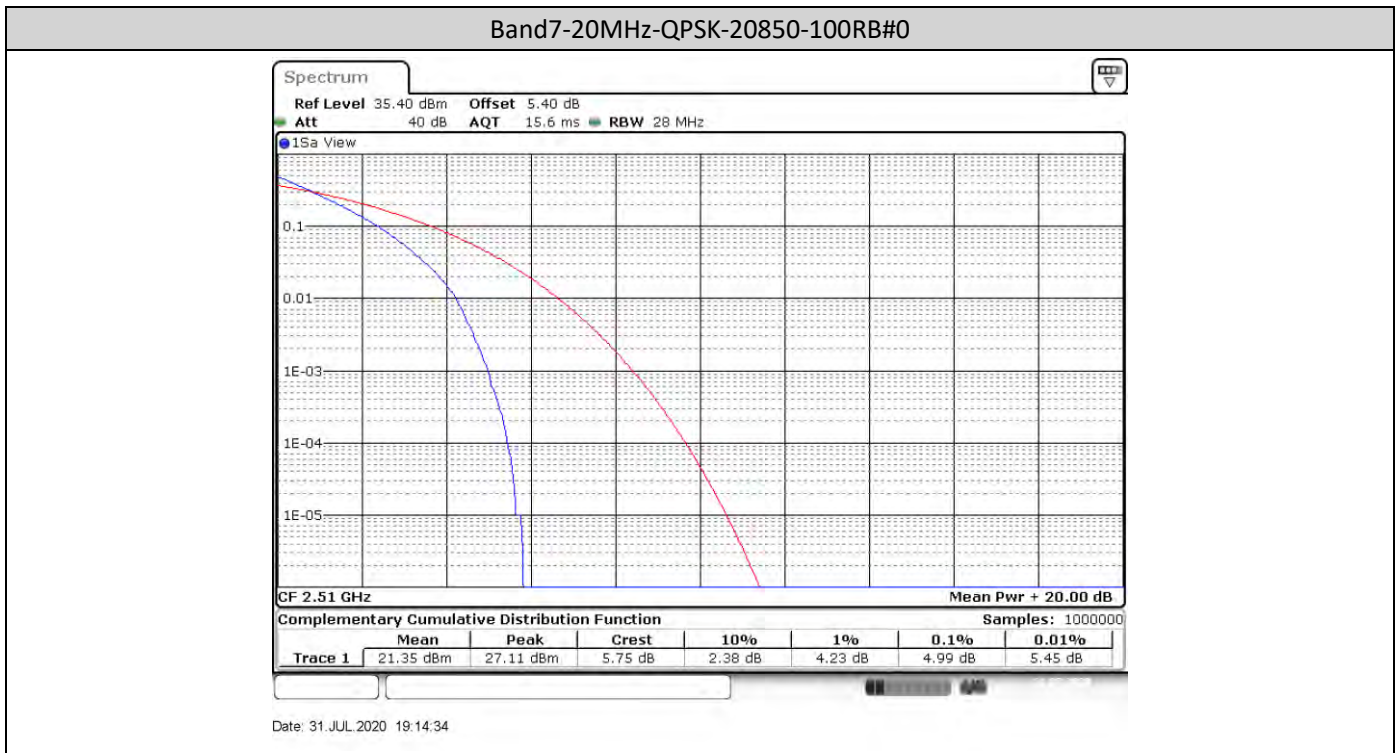


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.99	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.93	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	5.91	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	5.97	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	5.86	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.88	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.97	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.83	13	PASS

2.2. Test Plots



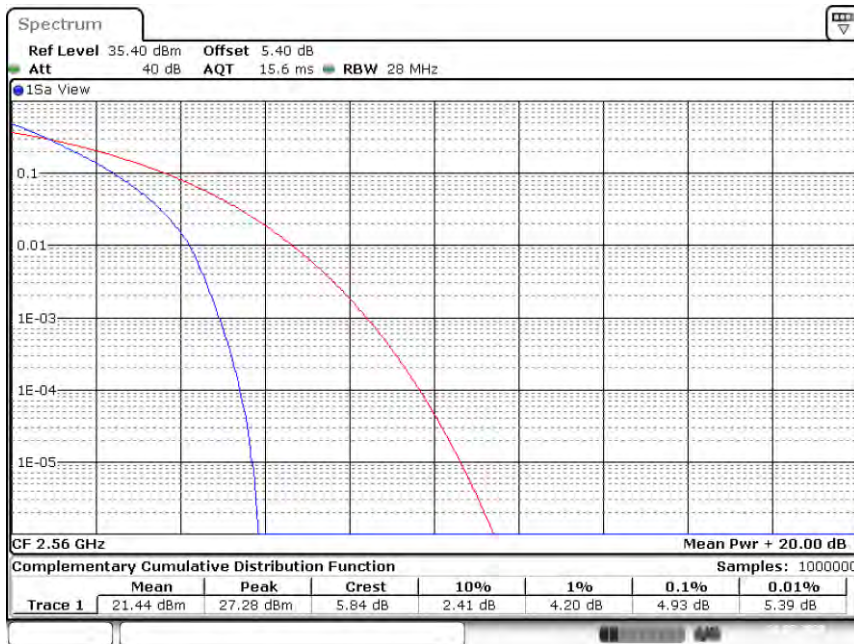
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-QPSK-21100-100RB#0



Date: 31 JUL 2020 19:14:57

Band7-20MHz-QPSK-21350-100RB#0

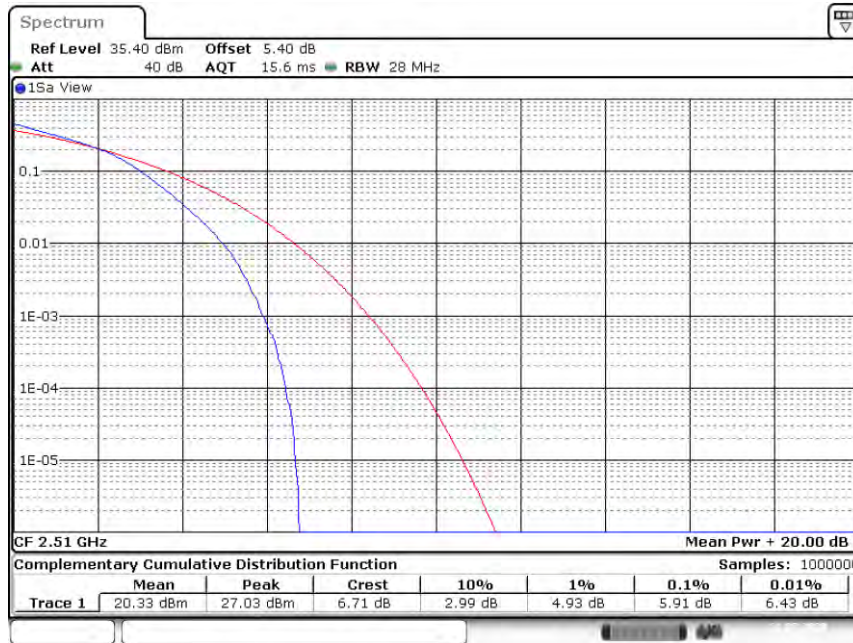


Date: 31 JUL 2020 19:15:20



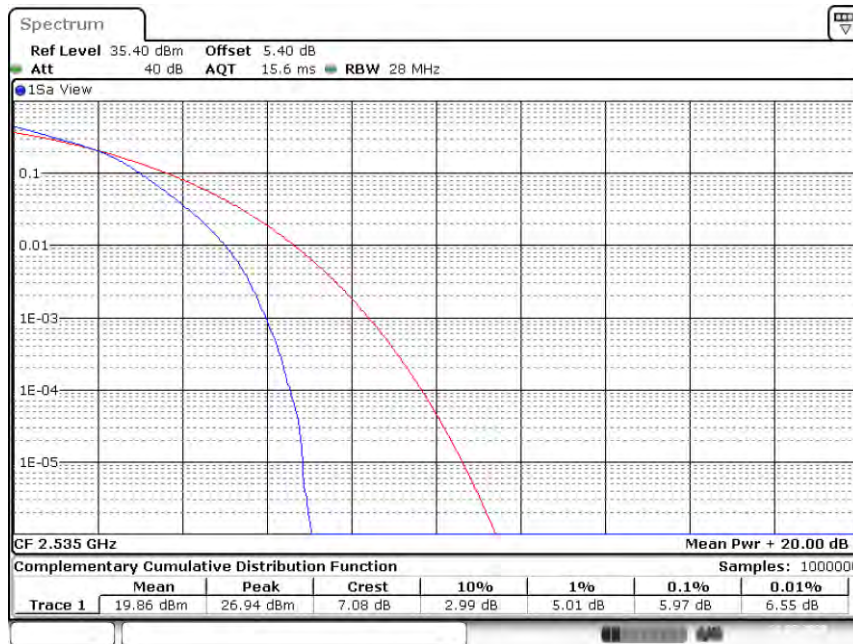
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-20850-100RB#0



Date: 31 JUL 2020 19:27:37

Band7-20MHz-64QAM-21100-100RB#0



Date: 31 JUL 2020 19:27:48



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-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

Band7-20MHz-64QAM-21350-100RB#0



Date: 31 JUL 2020 19:28:00

Band7-20MHz-16QAM-20850-100RB#0

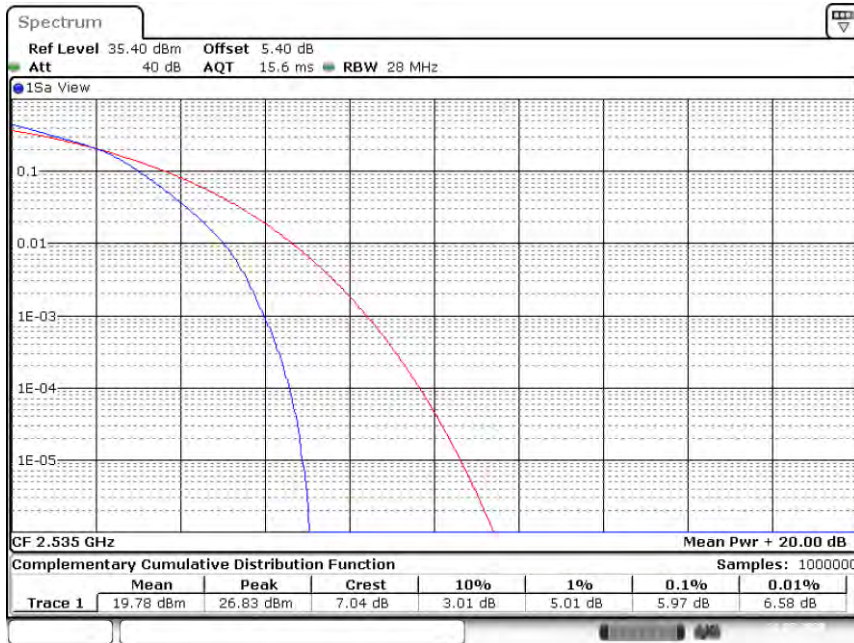


Date: 31 JUL 2020 19:14:46



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.

Band7-20MHz-16QAM-21100-100RB#0



Date: 31 JUL 2020 19:15:08

Band7-20MHz-16QAM-21350-100RB#0



Date: 31 JUL 2020 19:15:31

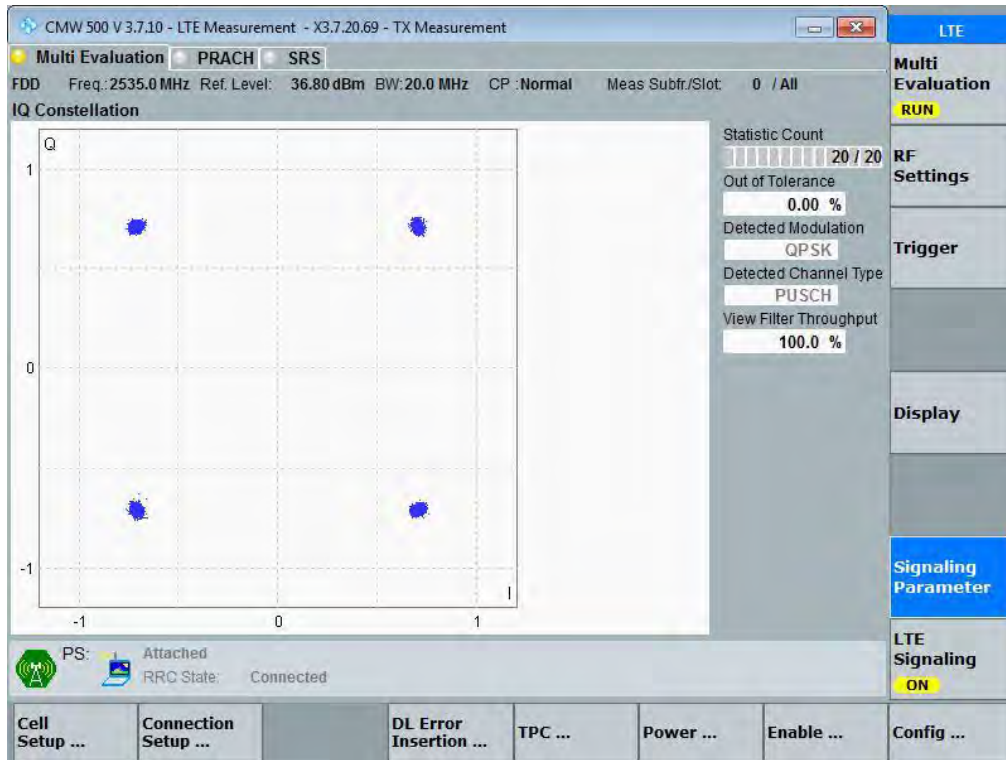


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

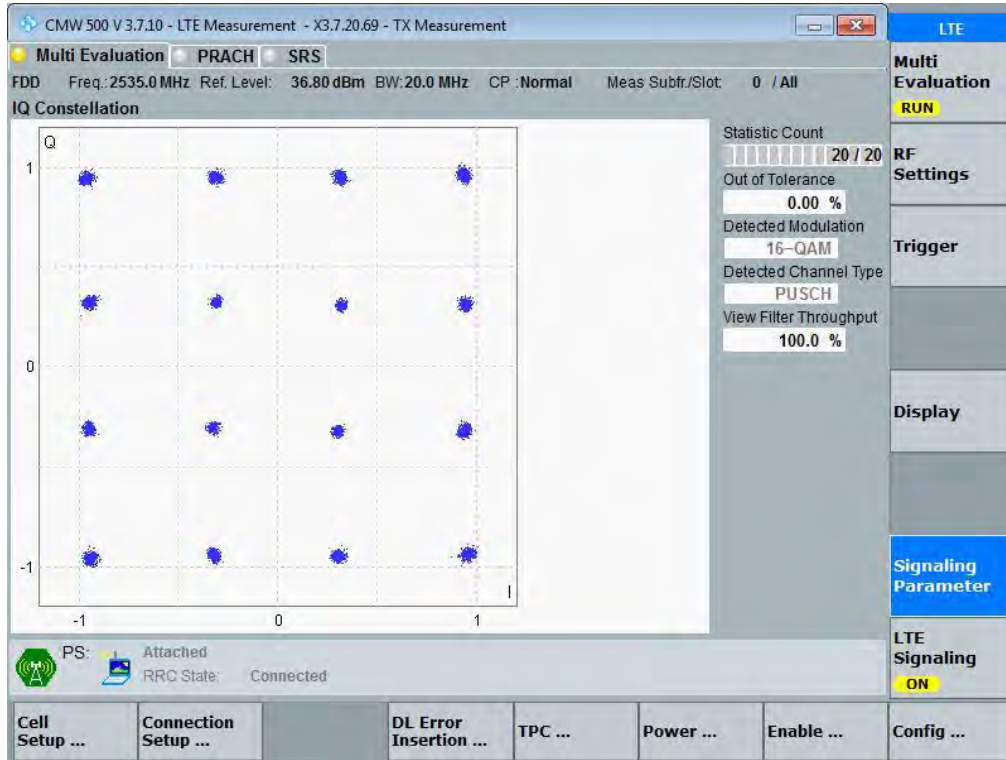


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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 20MHz

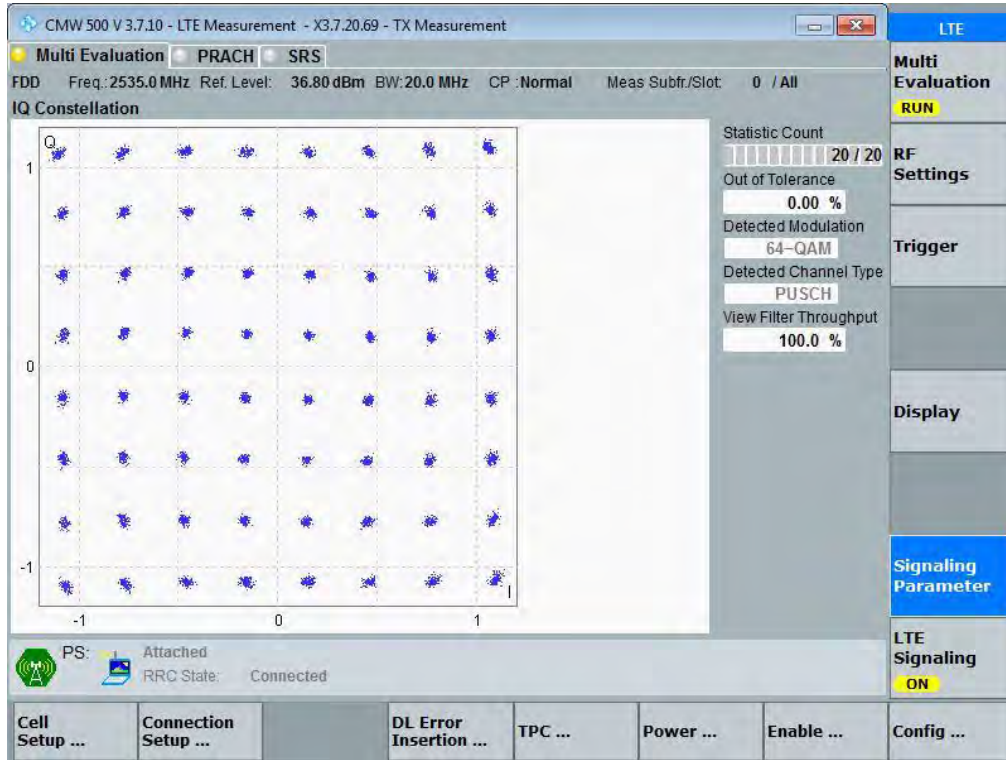
3.2.1. Test Channel = MCH



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

3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.940	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.950	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.960	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.960	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.496	4.940	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.940	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.920	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.911	9.740	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.700	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.800	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.911	9.780	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.720	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.880	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.850	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.760	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.487	14.820	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.760	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.520	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.440	PASS



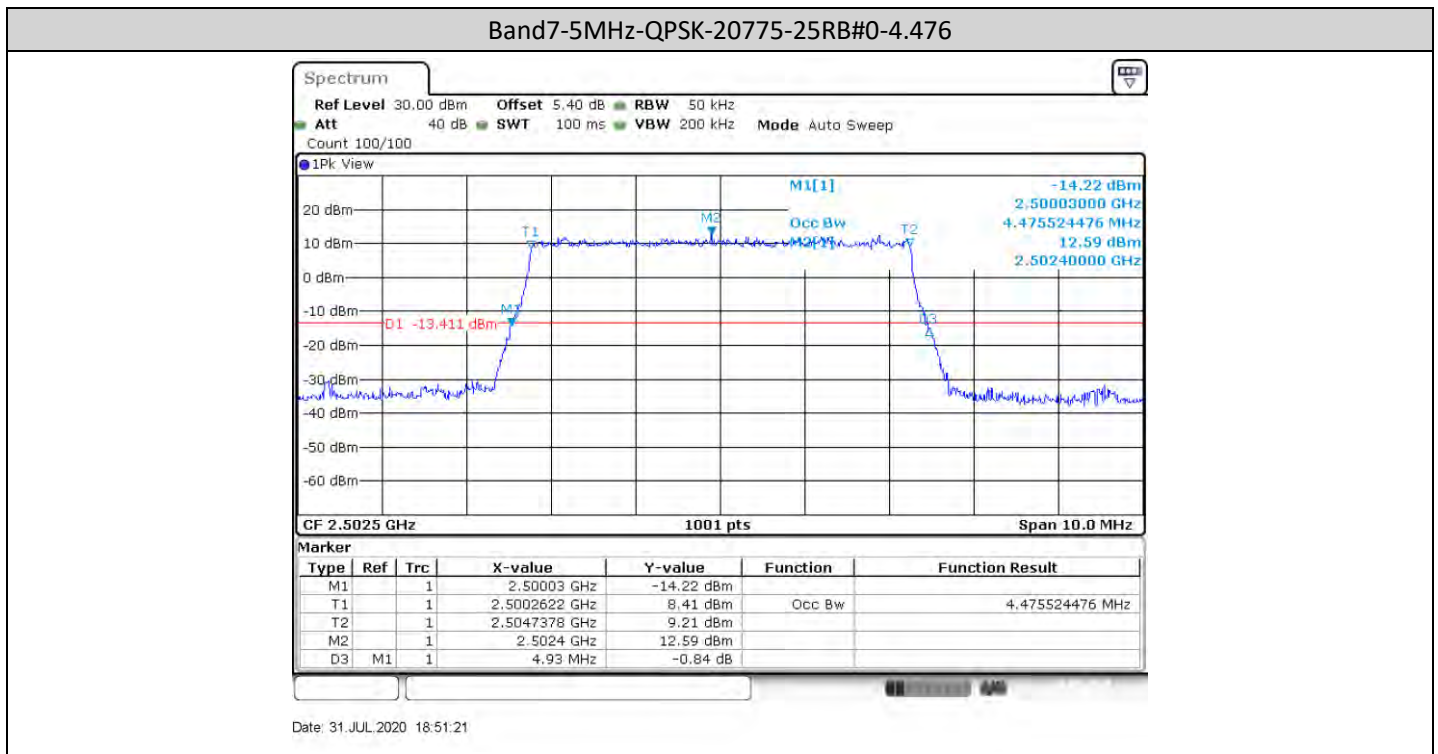
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band7	20MHz	64QAM	21100	100RB#0	17.862	19.480	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.320	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.897	19.440	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.875	19.480	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.360	PASS

4.2. Test Plots



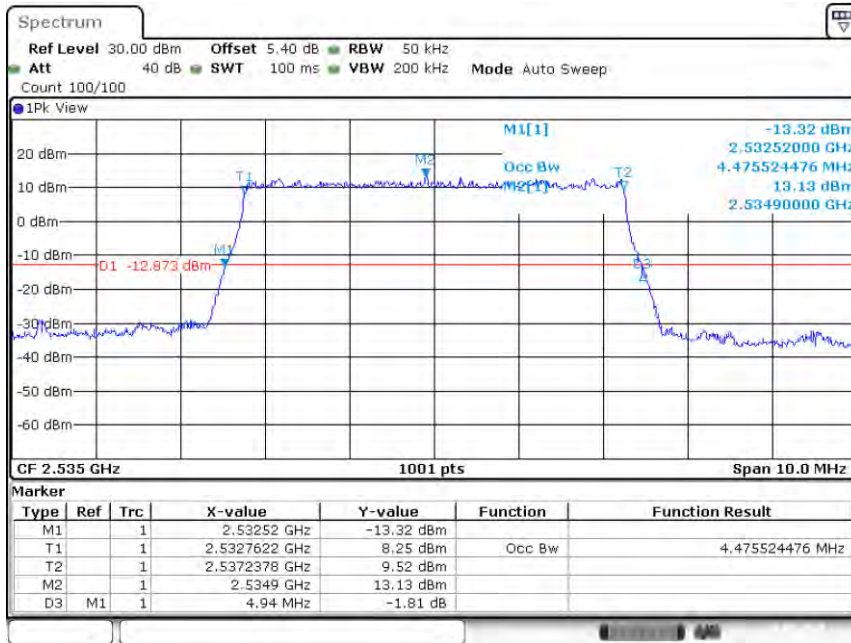
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

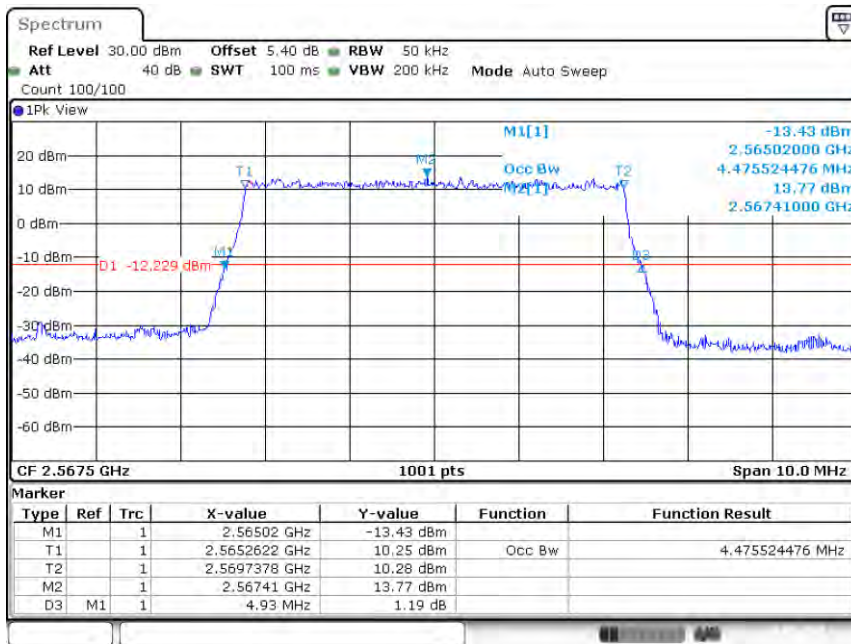


Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 31 JUL 2020 18:52:02

Band7-5MHz-QPSK-21425-25RB#0-4.476



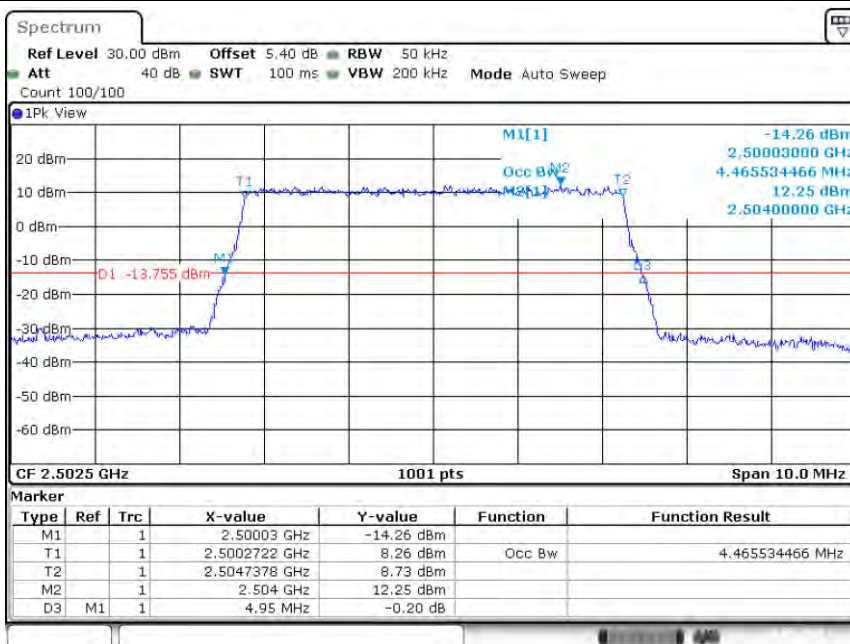
Date: 31 JUL 2020 18:52:42



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.

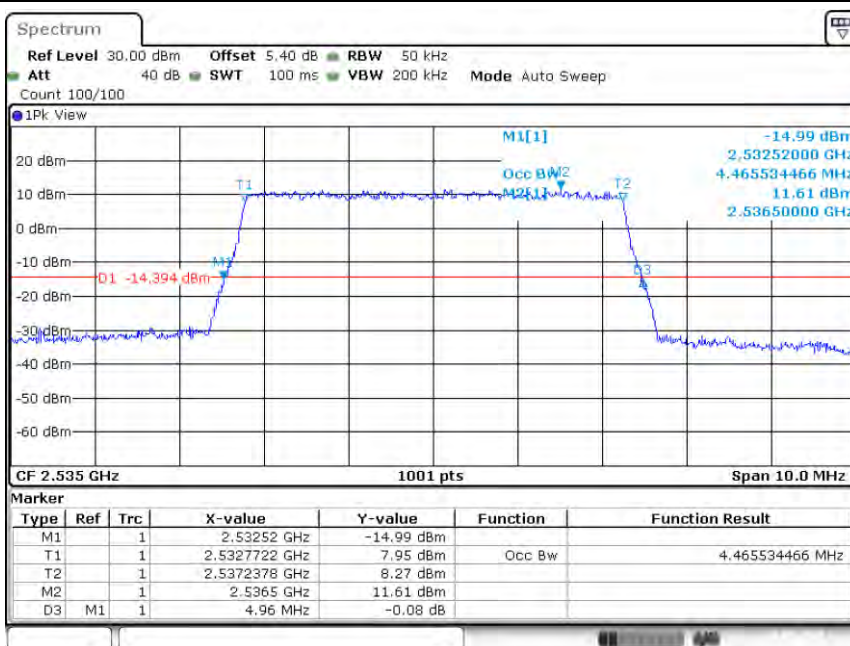


Band7-5MHz-64QAM-20775-25RB#0-4.466



Date: 31 JUL 2020 19:15:55

Band7-5MHz-64QAM-21100-25RB#0-4.466

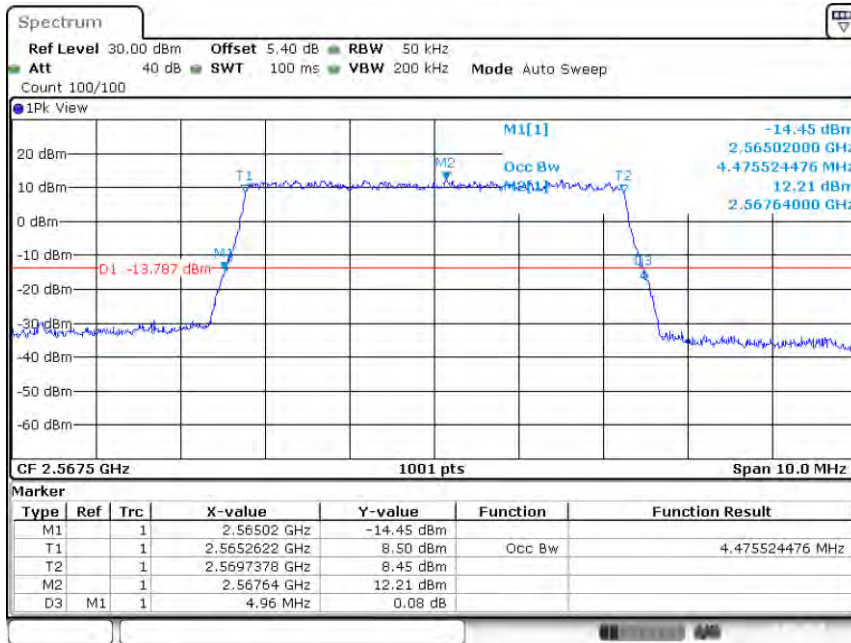


Date: 31 JUL 2020 19:16:15



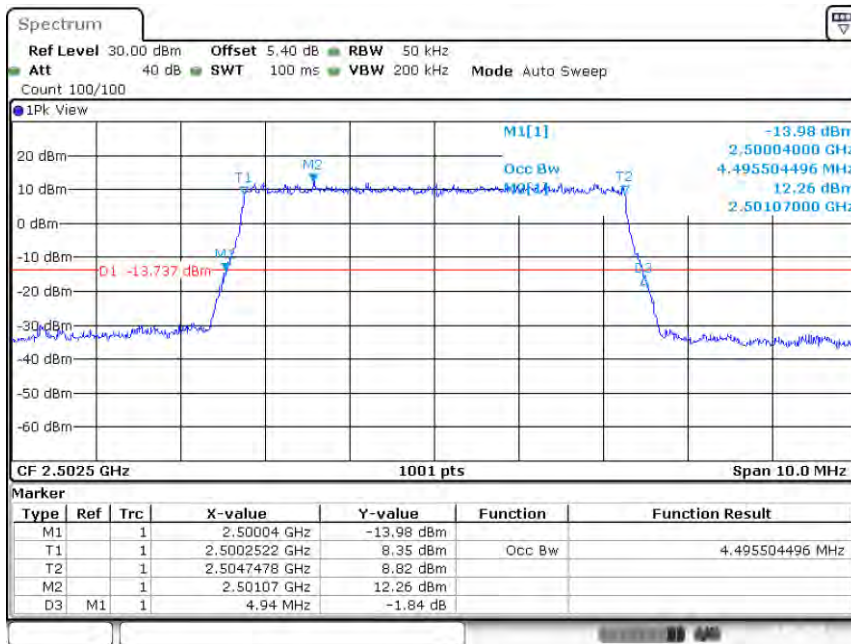
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 31 JUL 2020 19:16:35

Band7-5MHz-16QAM-20775-25RB#0-4.496

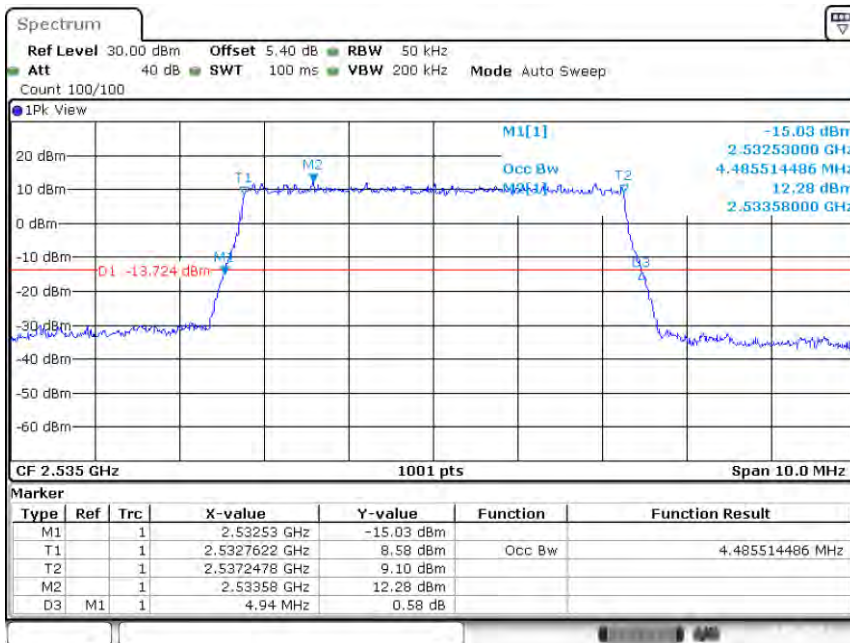


Date: 31 JUL 2020 18:51:42

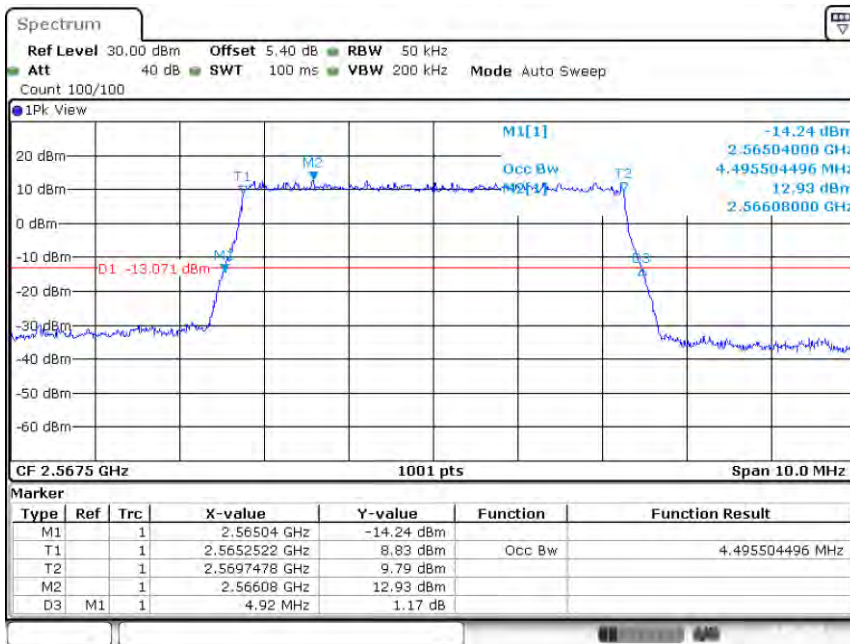


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-5MHz-16QAM-21100-25RB#0-4.486



Band7-5MHz-16QAM-21425-25RB#0-4.496

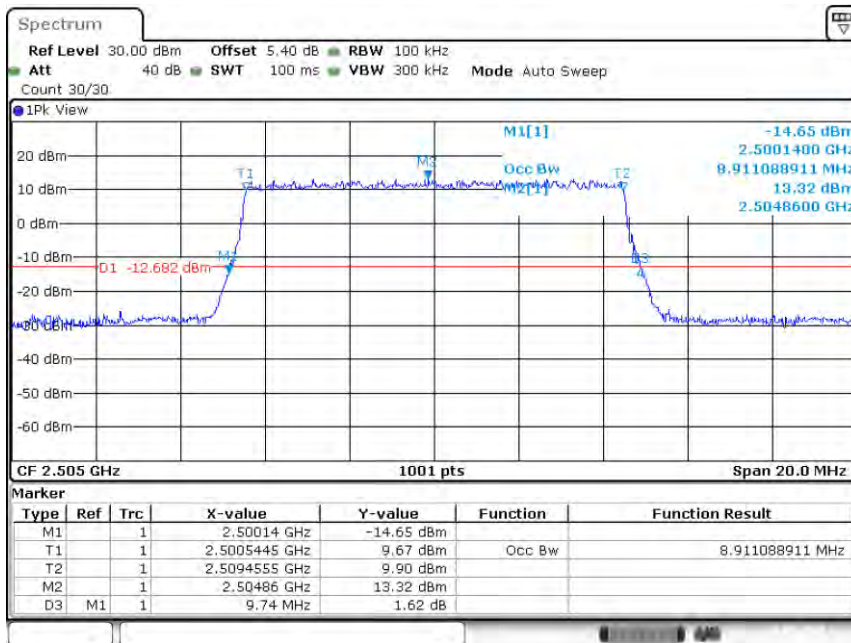


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

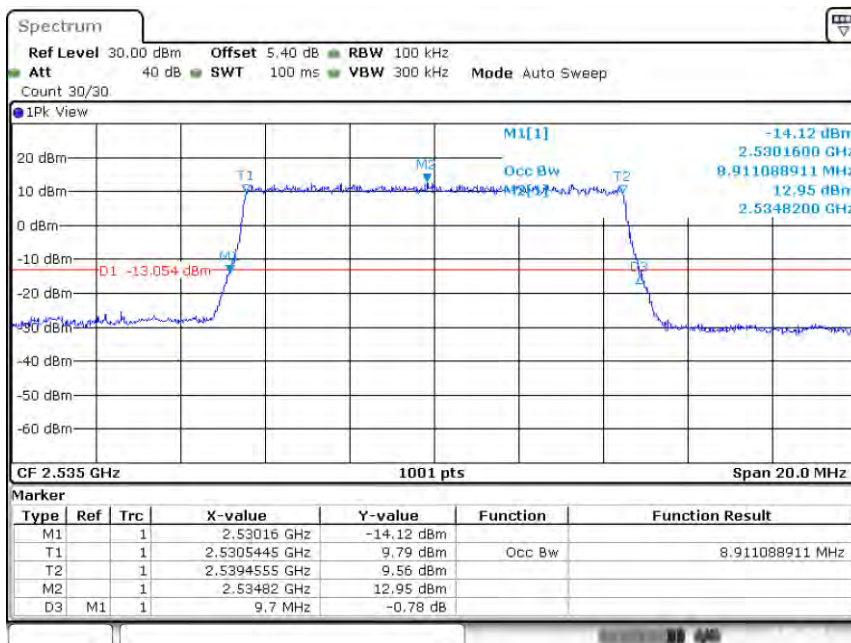
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, Inspection & Testing Services Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053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

Band7-10MHz-QPSK-20800-50RB#0-8.911



Date: 31 JUL 2020 18:53:19

Band7-10MHz-QPSK-21100-50RB#0-8.911



Date: 31 JUL 2020 18:53:44

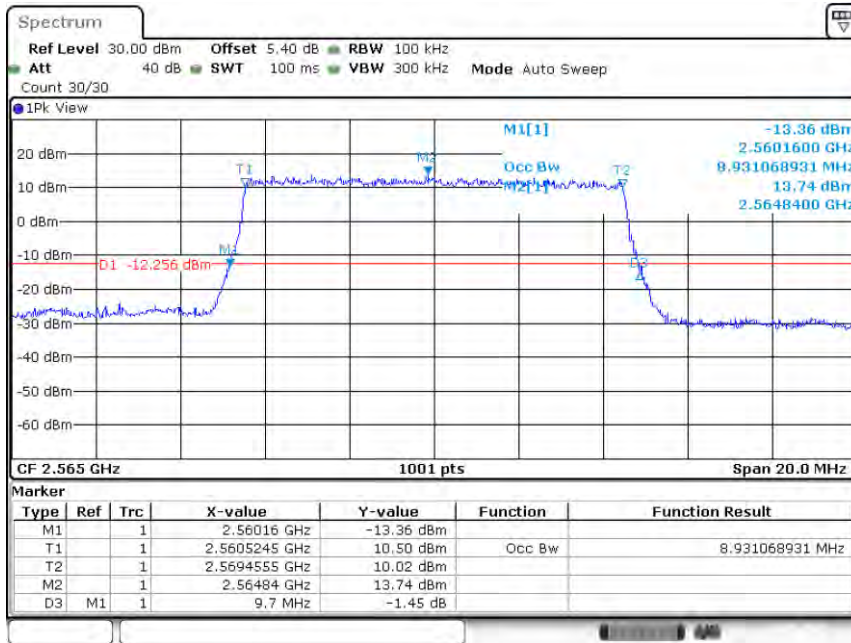


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

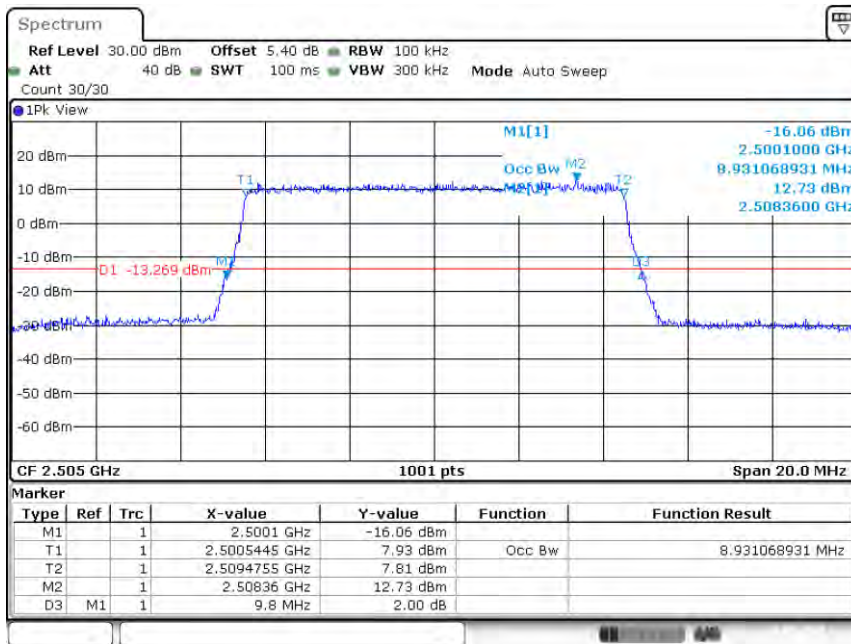
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, Inspection & Testing Services Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053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

Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 31 JUL 2020 18:54:10

Band7-10MHz-64QAM-20800-50RB#0-8.931

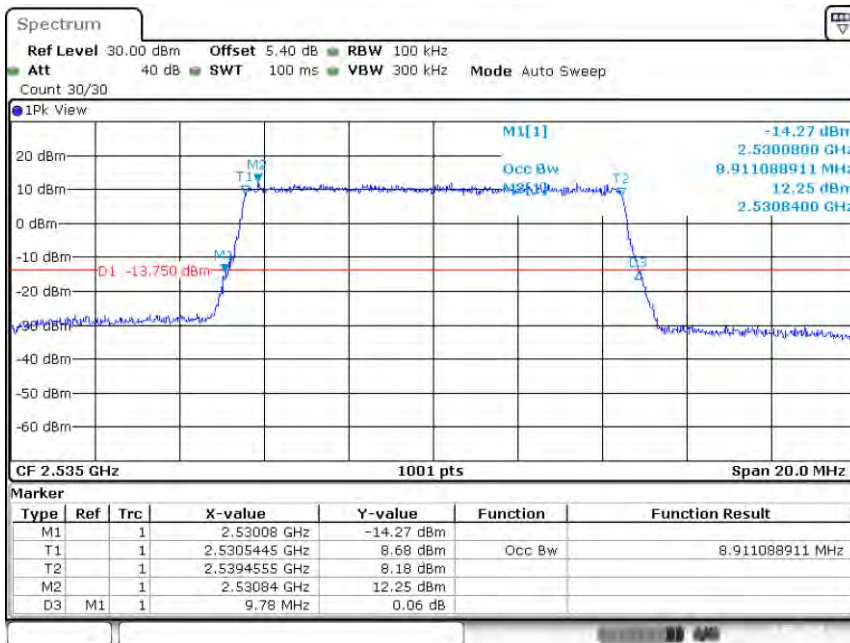


Date: 31 JUL 2020 19:16:53



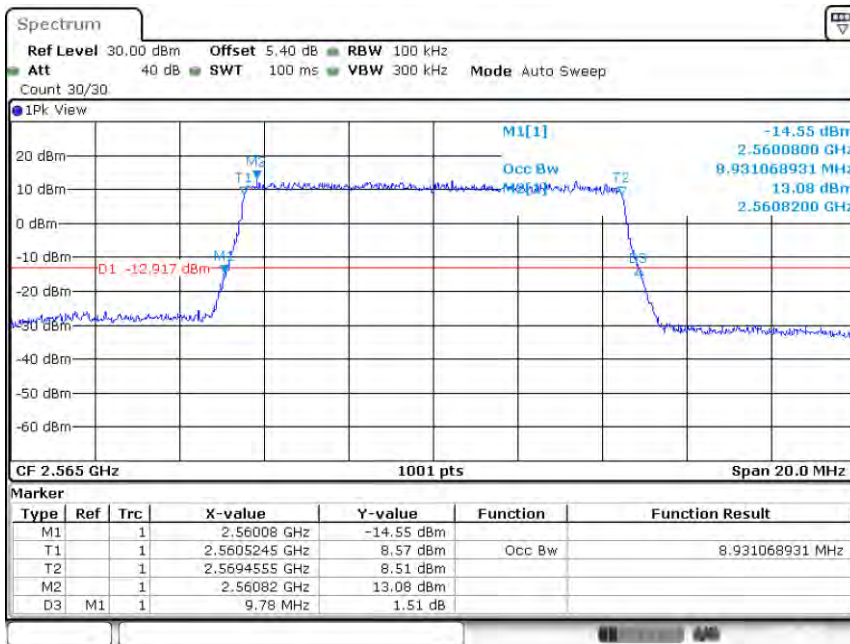
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-64QAM-21100-50RB#0-8.911



Date: 31 JUL 2020 19:17:06

Band7-10MHz-64QAM-21400-50RB#0-8.931



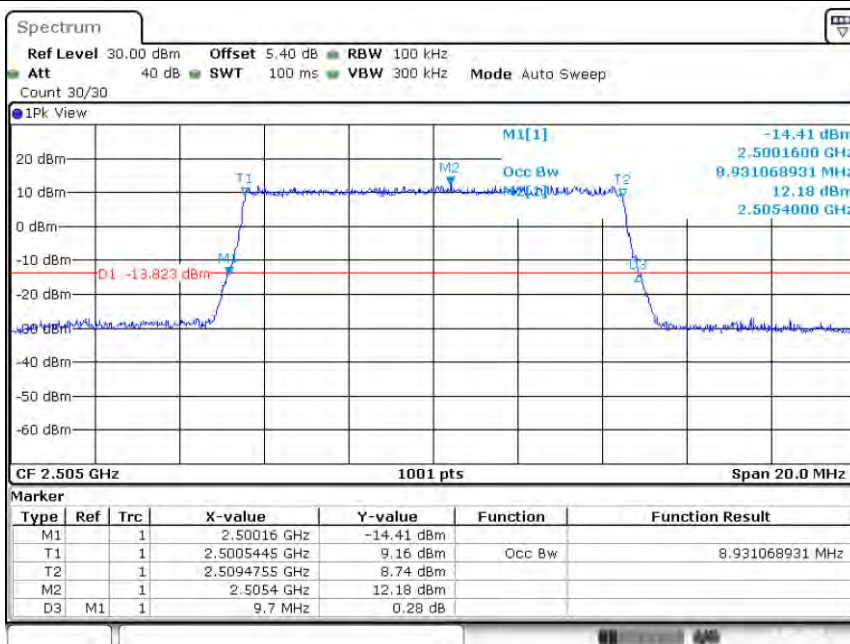
Date: 31 JUL 2020 19:17:19



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

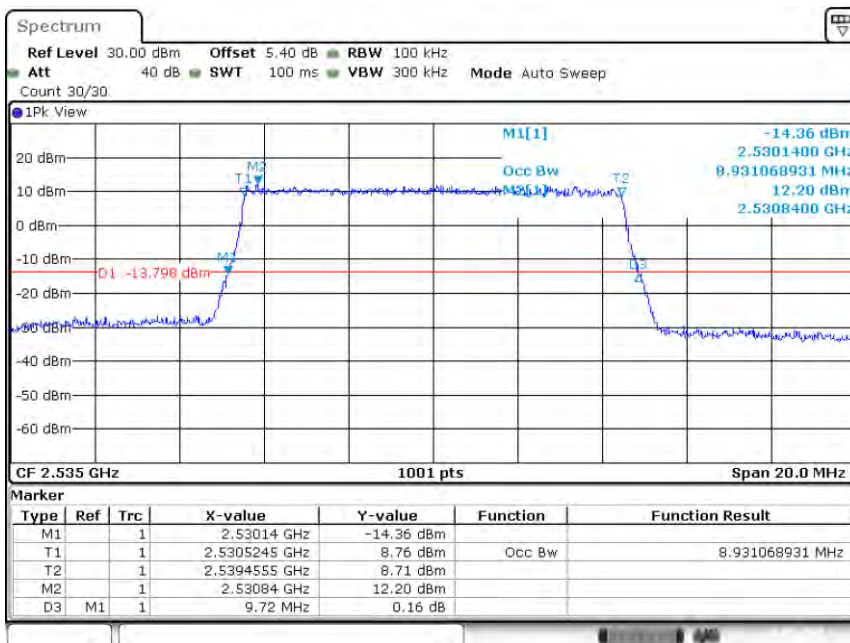


Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 31 JUL 2020 18:53:31

Band7-10MHz-16QAM-21100-50RB#0-8.931

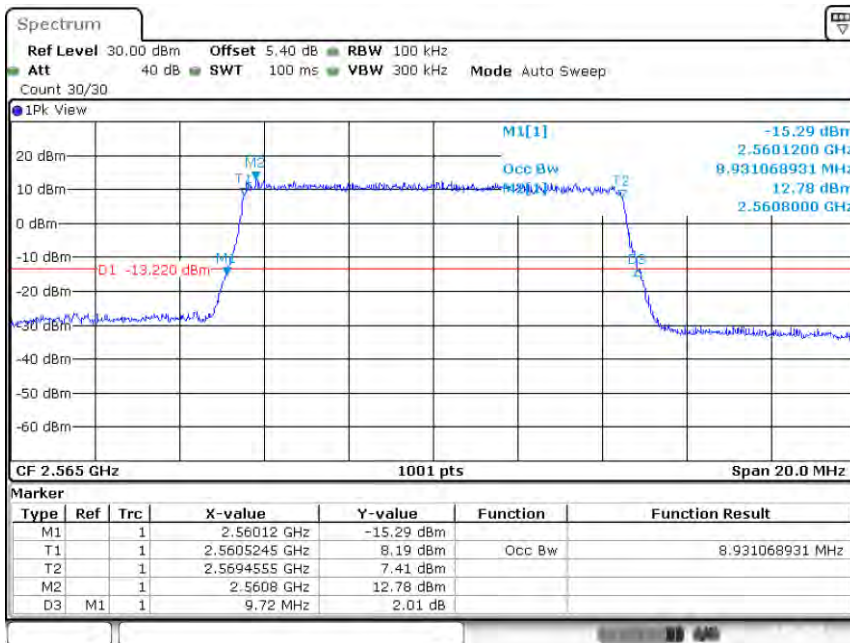


Date: 31 JUL 2020 18:53:57



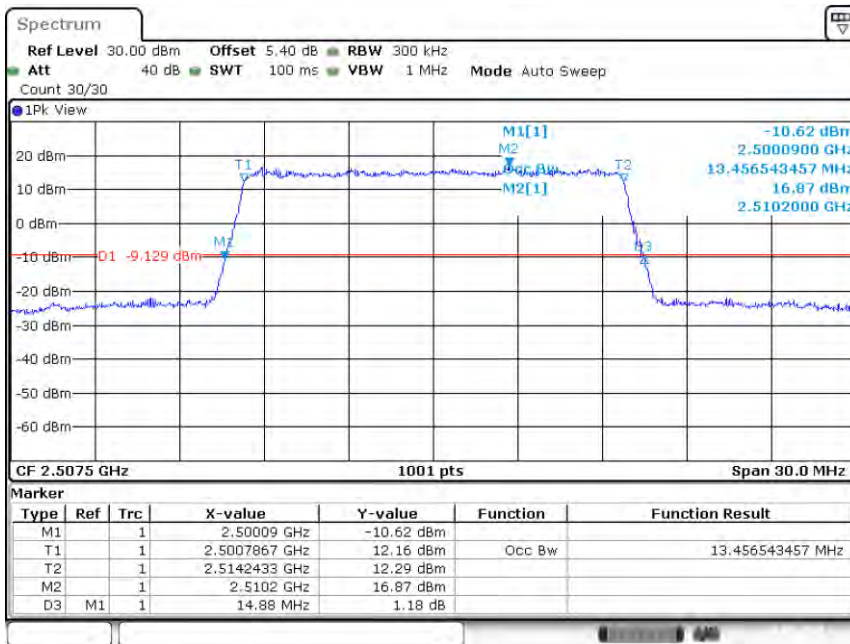
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 31 JUL 2020 18:54:23

Band7-15MHz-QPSK-20825-75RB#0-13.457

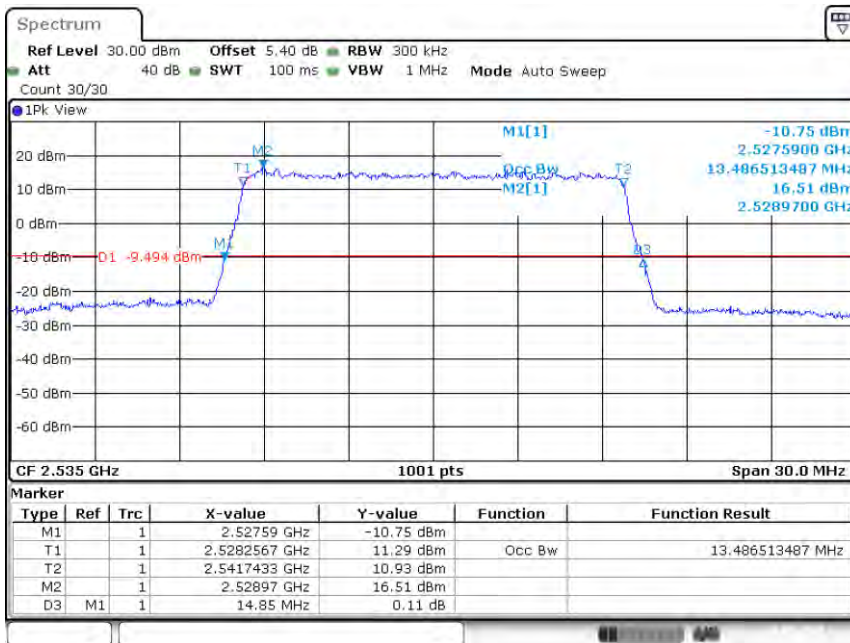


Date: 31 JUL 2020 18:54:40



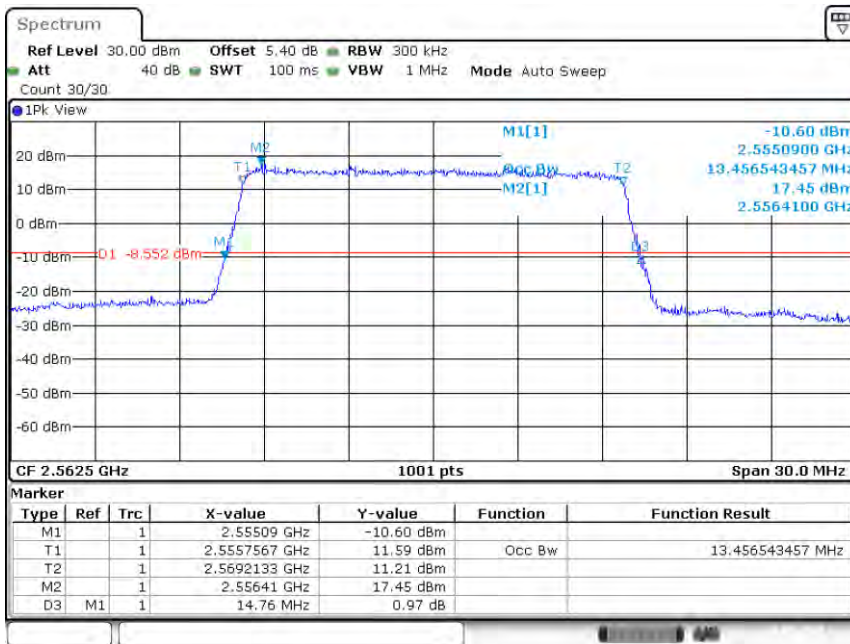
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-QPSK-21100-75RB#0-13.487



Date: 31 JUL 2020 18:55:06

Band7-15MHz-QPSK-21375-75RB#0-13.457



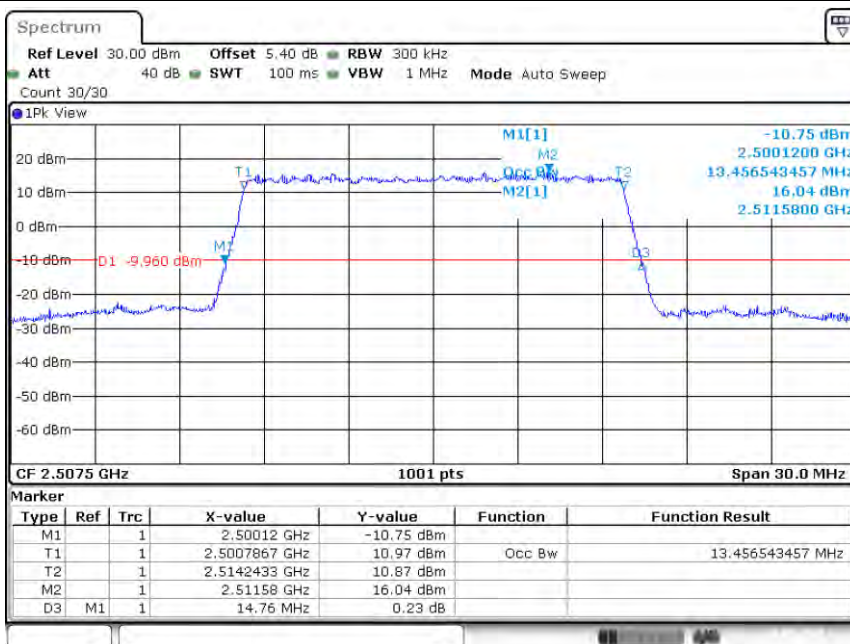
Date: 31 JUL 2020 18:55:31



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

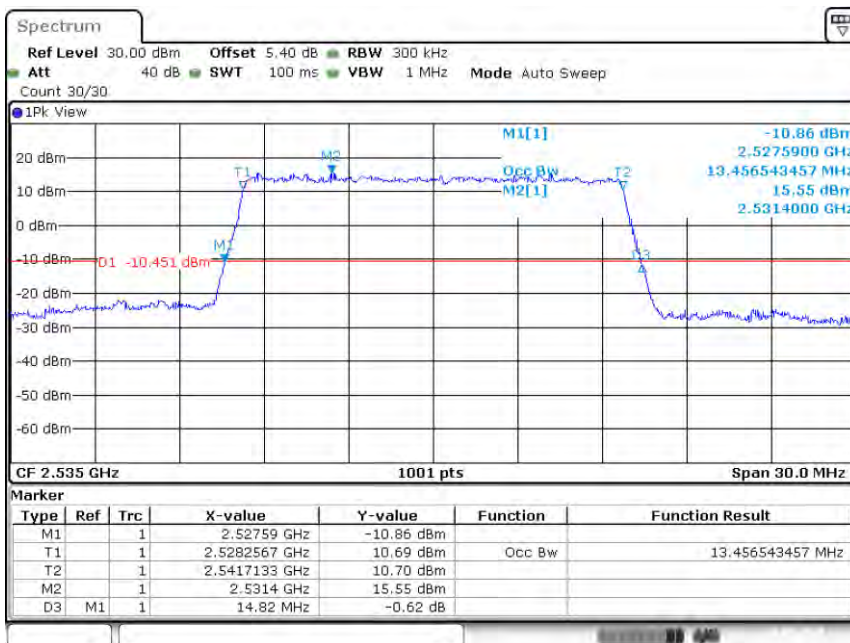


Band7-15MHz-64QAM-20825-75RB#0-13.457



Date: 31 JUL 2020 19:17:37

Band7-15MHz-64QAM-21100-75RB#0-13.457

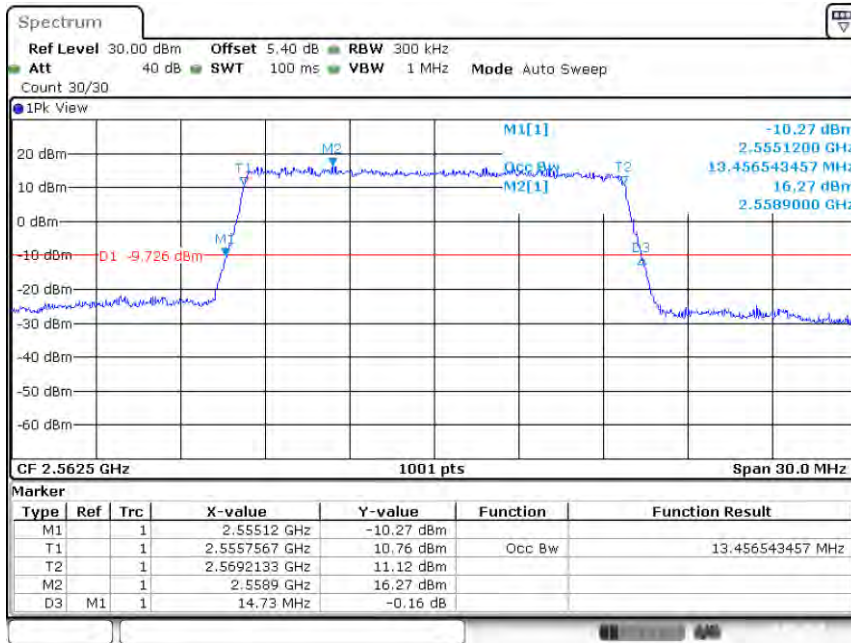


Date: 31 JUL 2020 19:17:50



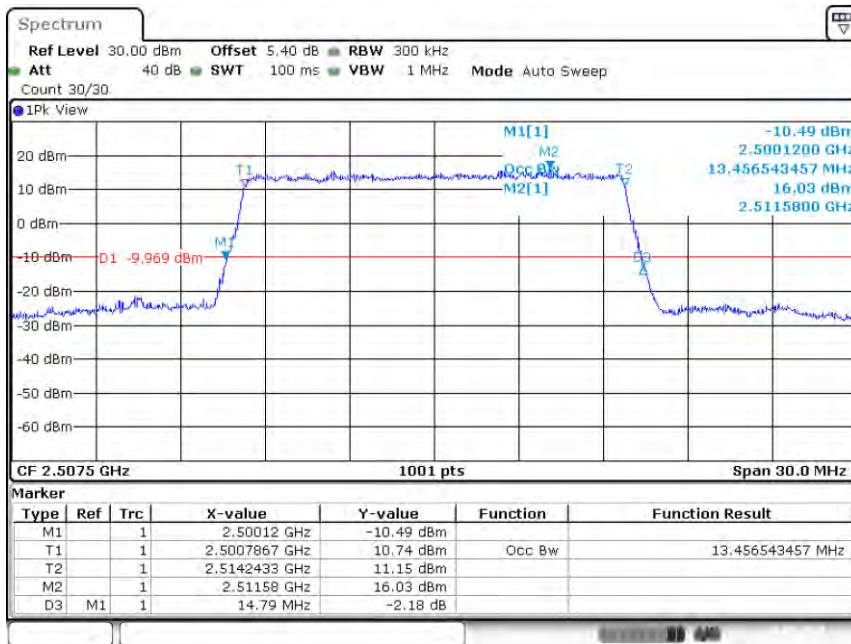
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-64QAM-21375-75RB#0-13.457



Date: 31 JUL 2020 19:18:03

Band7-15MHz-16QAM-20825-75RB#0-13.457



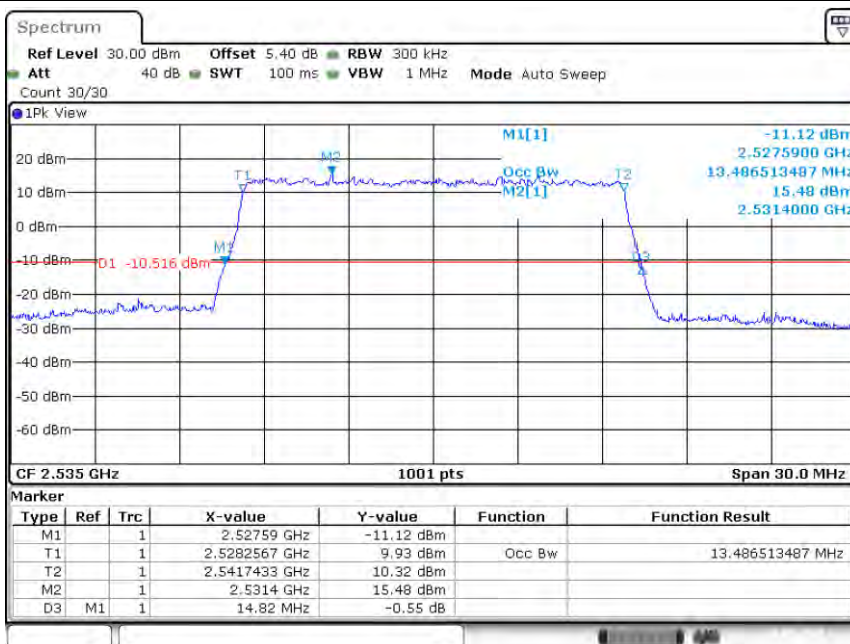
Date: 31 JUL 2020 18:54:53



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.

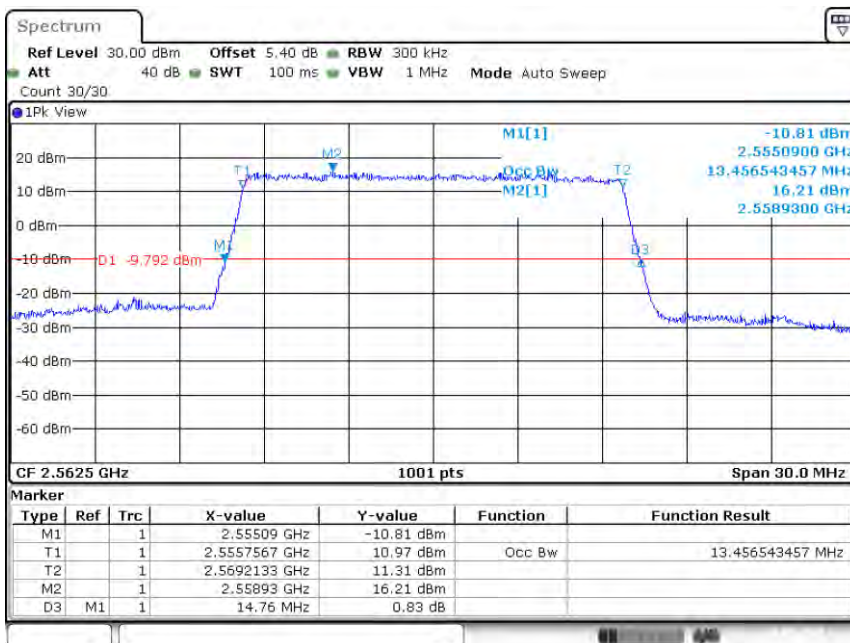


Band7-15MHz-16QAM-21100-75RB#0-13.487



Date: 31 JUL 2020 18:55:18

Band7-15MHz-16QAM-21375-75RB#0-13.457

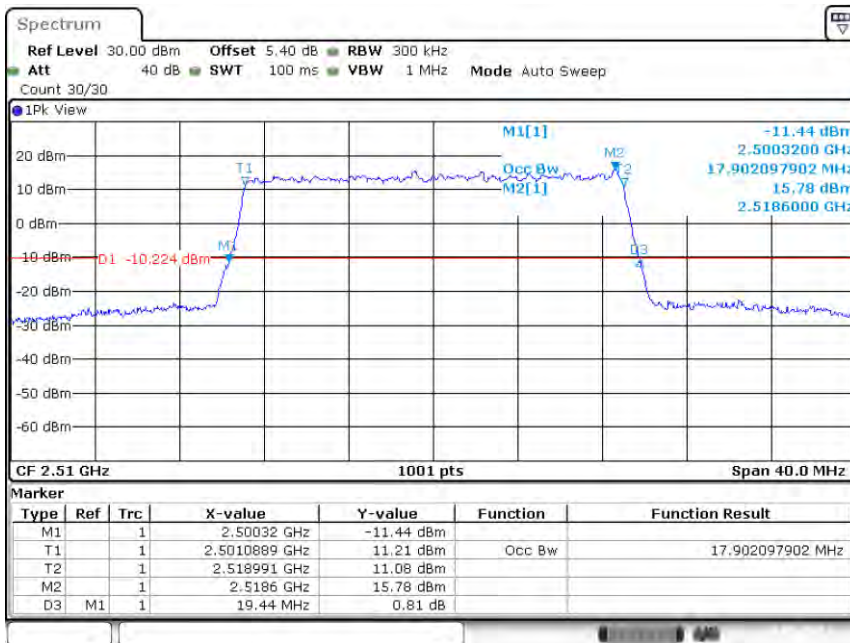


Date: 31 JUL 2020 18:55:44



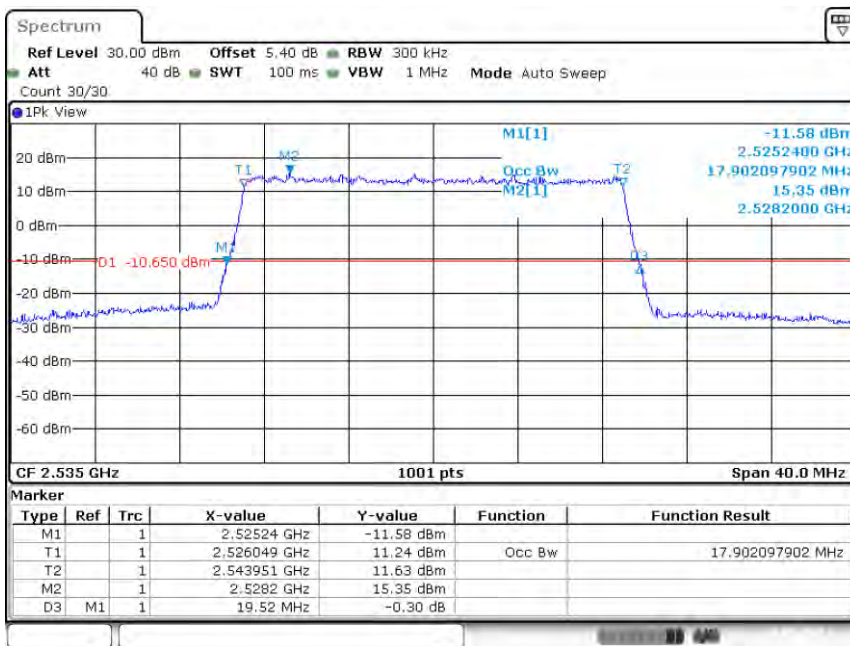
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-QPSK-20850-100RB#0-17.902



Date: 31 JUL 2020 18:56:02

Band7-20MHz-16QAM-21100-100RB#0-17.902

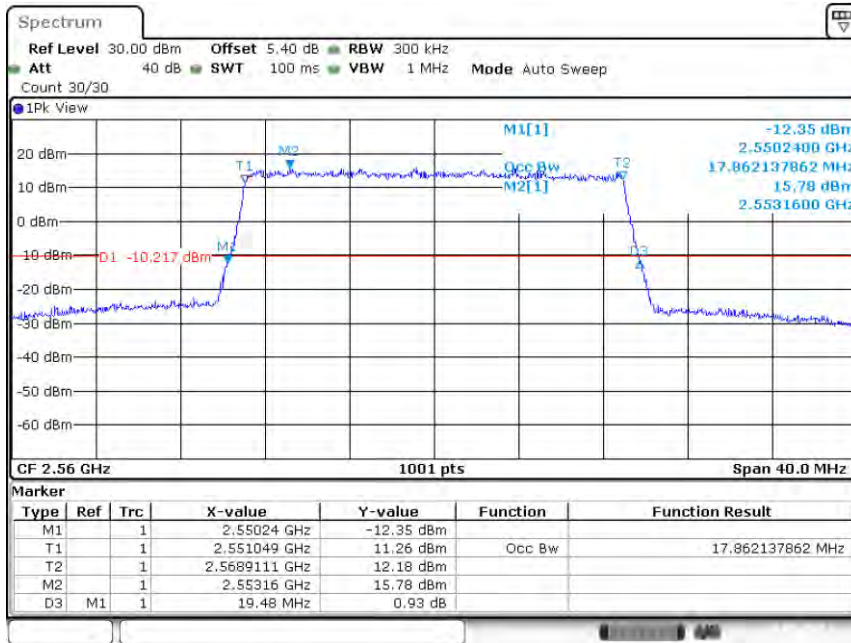


Date: 31 JUL 2020 18:56:27



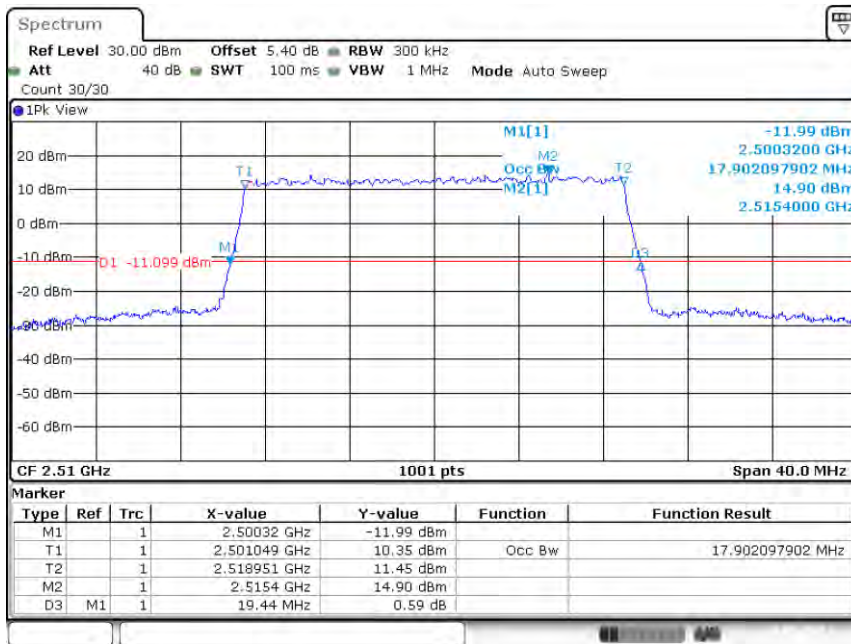
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-QPSK-21350-100RB#0-17.862



Date: 31 JUL 2020 18:56:53

Band7-20MHz-64QAM-20850-100RB#0-17.902



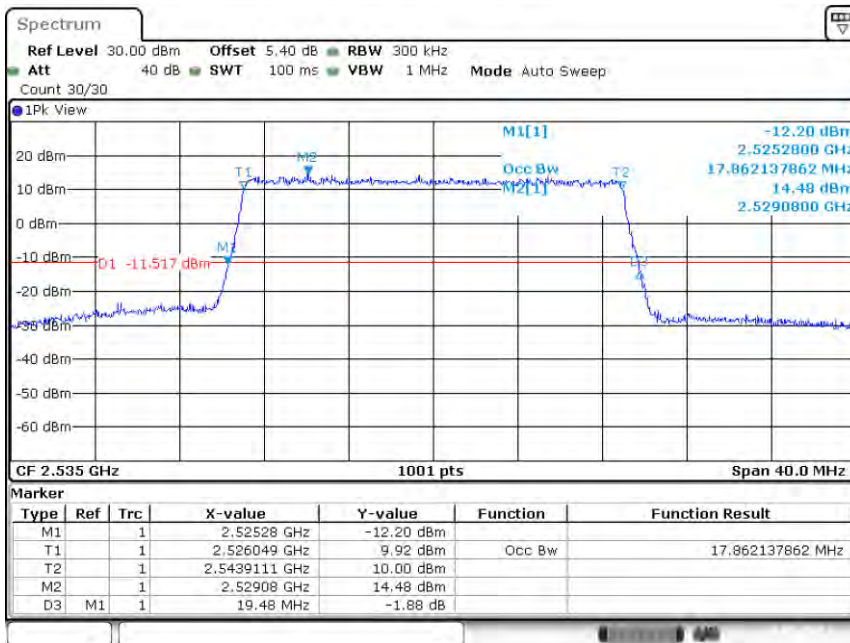
Date: 31 JUL 2020 19:18:21



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.

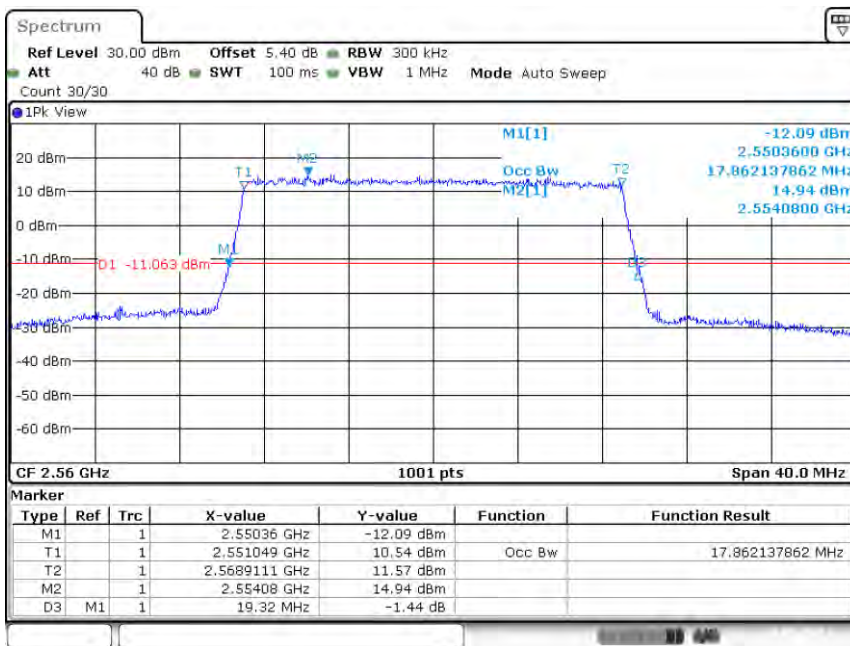


Band7-20MHz-64QAM-21100-100RB#0-17.862



Date: 31 JUL 2020 19:18:34

Band7-20MHz-64QAM-21350-100RB#0-17.862



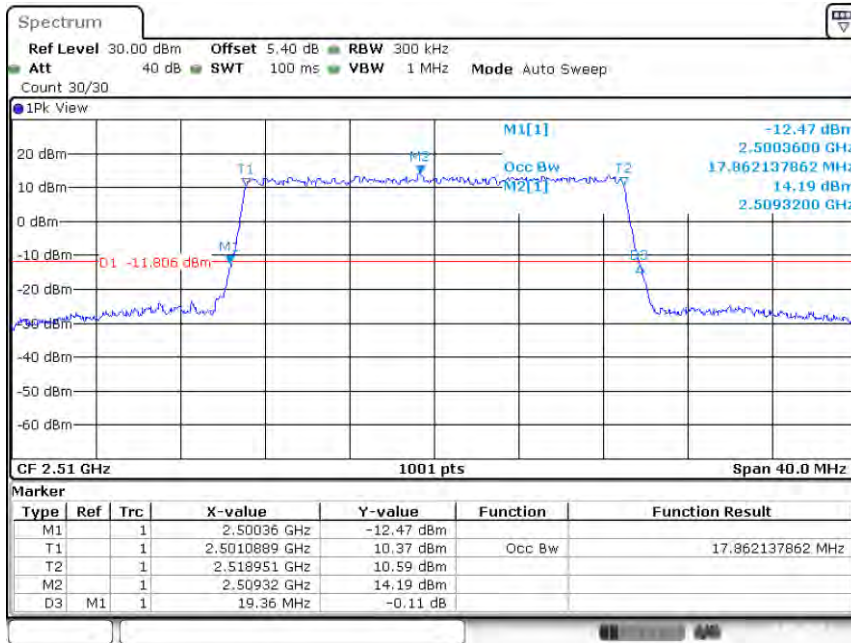
Date: 31 JUL 2020 19:18:46



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.

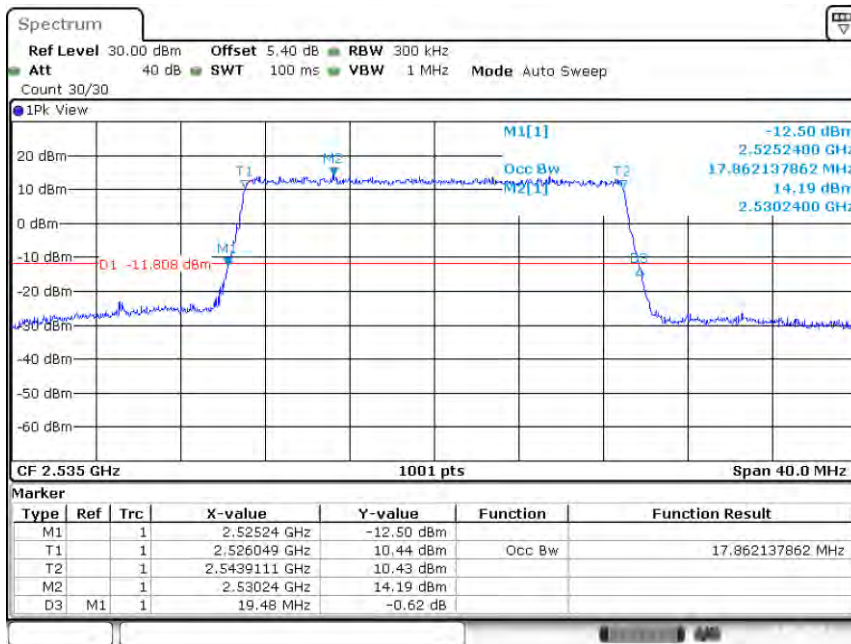


Band7-20MHz-16QAM-20850-100RB#0-17.862



Date: 31 JUL 2020 18:56:14

Band7-20MHz-16QAM-21100-100RB#0-17.862



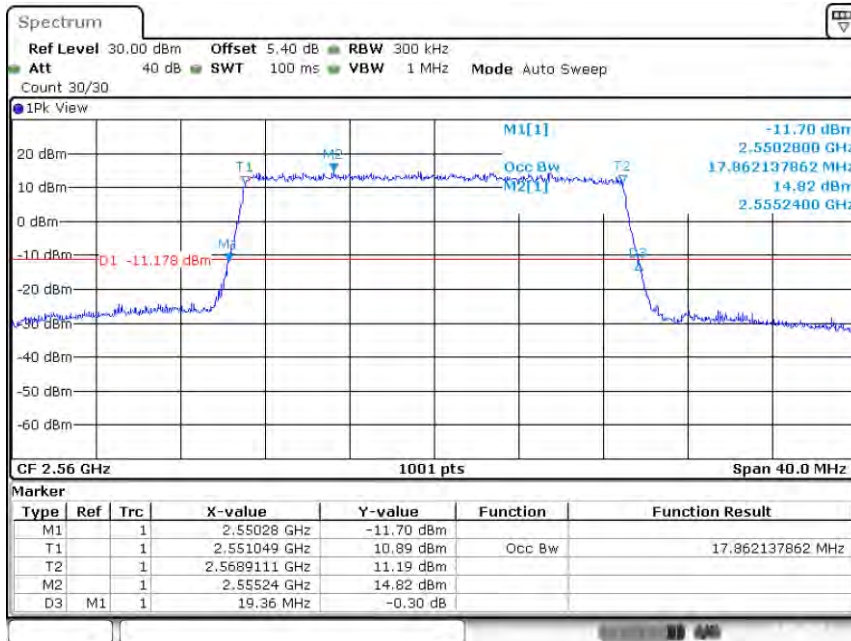
Date: 31 JUL 2020 18:56:40



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



Band7-20MHz-16QAM-21350-100RB#0-17.862



Date 31 JUL 2020 18:57:06



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-Document1.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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 Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-46.97,-50.09,-18.57	PASS
Band7	5MHz	QPSK	20775	25RB#0	-51.39,-46.33,-27.15	PASS
Band7	5MHz	QPSK	21425	1RB#24	-48.82,-51.28,-18.47	PASS
Band7	5MHz	QPSK	21425	25RB#0	-48.08,-48.40,-28.10	PASS
Band7	5MHz	64QAM	20775	1RB#0	-48.00,-50.95,-18.86	PASS
Band7	5MHz	64QAM	20775	25RB#0	-52.02,-47.04,-28.60	PASS
Band7	5MHz	64QAM	21425	1RB#24	-50.15,-51.99,-19.54	PASS
Band7	5MHz	64QAM	21425	25RB#0	-49.20,-48.09,-29.06	PASS
Band7	5MHz	16QAM	20775	1RB#0	-47.74,-50.59,-18.98	PASS
Band7	5MHz	16QAM	20775	25RB#0	-51.94,-46.69,-28.05	PASS
Band7	5MHz	16QAM	21425	1RB#24	-49.67,-51.67,-19.19	PASS
Band7	5MHz	16QAM	21425	25RB#0	-49.31,-48.27,-28.49	PASS
Band7	10MHz	QPSK	20800	1RB#0	-44.87,-39.30,-25.35	PASS
Band7	10MHz	QPSK	20800	50RB#0	-47.57,-35.13,-29.18	PASS
Band7	10MHz	QPSK	21400	1RB#49	-45.09,-47.36,-25.28	PASS
Band7	10MHz	QPSK	21400	50RB#0	-47.51,-38.11,-29.46	PASS
Band7	10MHz	64QAM	20800	1RB#0	-46.02,-40.45,-25.84	PASS
Band7	10MHz	64QAM	20800	50RB#0	-47.81,-36.49,-30.76	PASS
Band7	10MHz	64QAM	21400	1RB#49	-46.09,-48.21,-26.24	PASS
Band7	10MHz	64QAM	21400	50RB#0	-47.86,-39.99,-31.39	PASS
Band7	10MHz	16QAM	20800	1RB#0	-45.52,-40.14,-24.90	PASS
Band7	10MHz	16QAM	20800	50RB#0	-47.65,-36.19,-30.73	PASS
Band7	10MHz	16QAM	21400	1RB#49	-45.77,-47.74,-26.99	PASS
Band7	10MHz	16QAM	21400	50RB#0	-47.87,-40.10,-31.56	PASS
Band7	15MHz	QPSK	20825	1RB#0	-44.03,-34.48,-23.86	PASS
Band7	15MHz	QPSK	20825	75RB#0	-39.05,-33.72,-30.66	PASS
Band7	15MHz	QPSK	21375	1RB#74	-47.85,-44.78,-23.70	PASS
Band7	15MHz	QPSK	21375	75RB#0	-46.94,-35.75,-30.92	PASS
Band7	15MHz	64QAM	20825	1RB#0	-45.14,-35.21,-24.29	PASS
Band7	15MHz	64QAM	20825	75RB#0	-41.63,-34.75,-32.09	PASS
Band7	15MHz	64QAM	21375	1RB#74	-48.12,-45.17,-22.81	PASS
Band7	15MHz	64QAM	21375	75RB#0	-47.07,-38.41,-33.36	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.

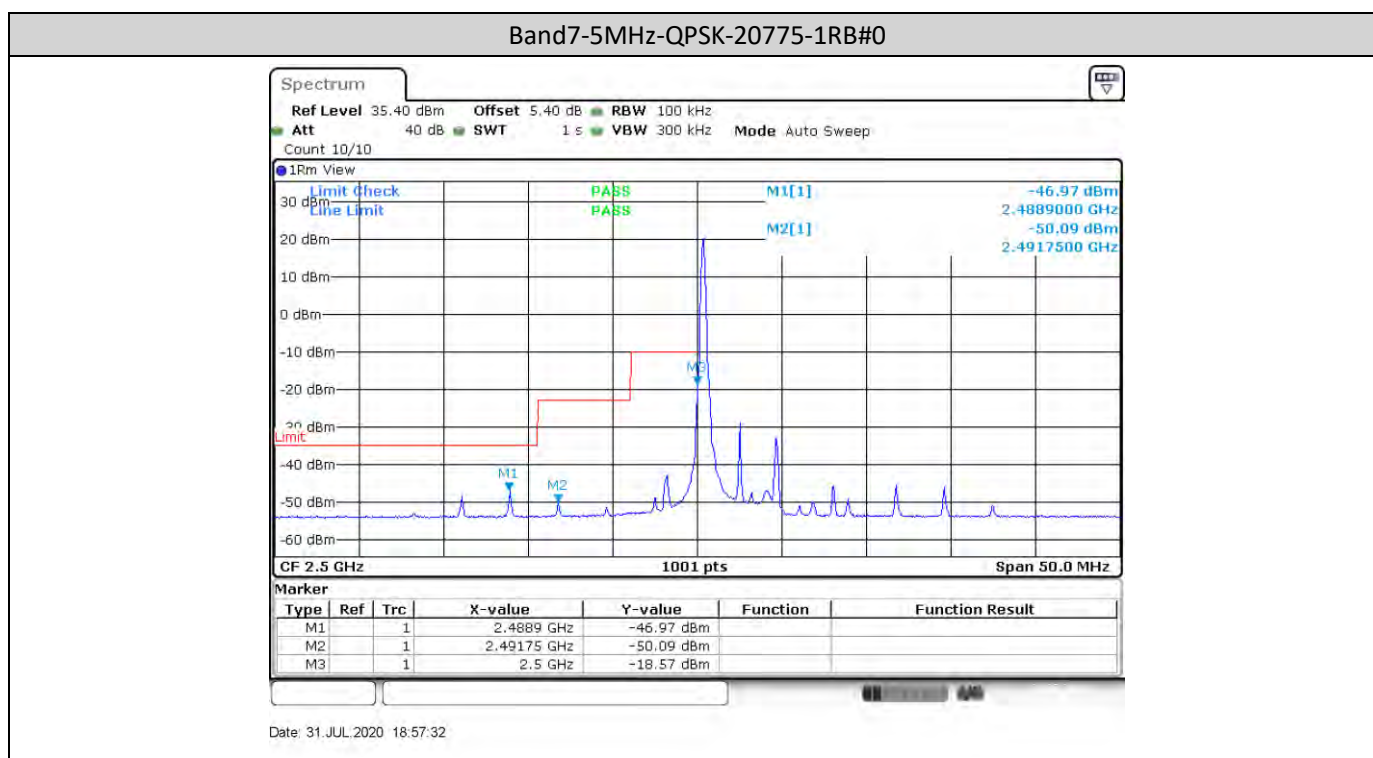
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



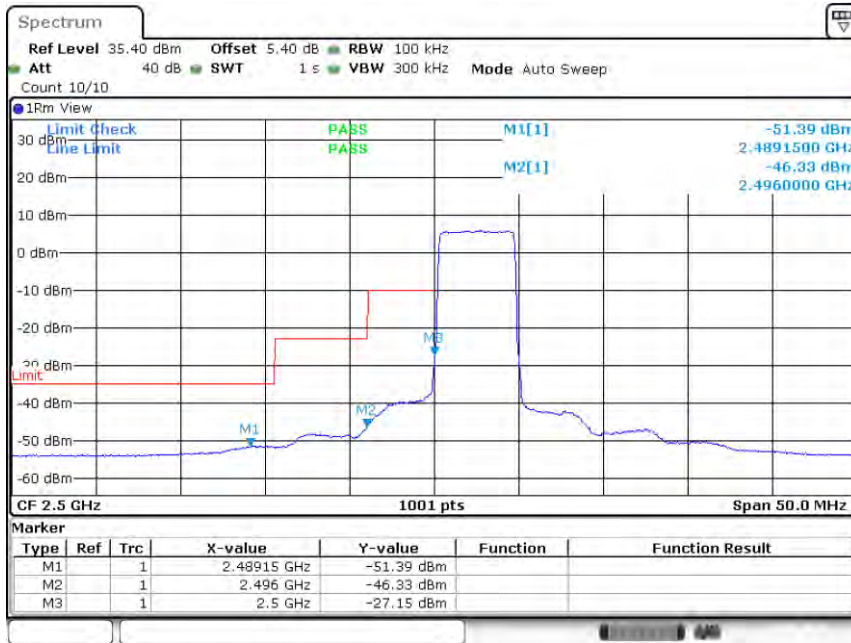
Band7	15MHz	16QAM	20825	1RB#0	-44.62,-35.15,-24.80	PASS
Band7	15MHz	16QAM	20825	75RB#0	-41.69,-35.05,-32.53	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.06,-45.15,-23.60	PASS
Band7	15MHz	16QAM	21375	75RB#0	-47.15,-38.30,-33.09	PASS
Band7	20MHz	QPSK	20850	1RB#0	-43.26,-34.84,-21.65	PASS
Band7	20MHz	QPSK	20850	100RB#0	-35.98,-32.30,-29.38	PASS
Band7	20MHz	QPSK	21350	1RB#99	-46.77,-41.15,-22.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	-45.84,-34.86,-30.19	PASS
Band7	20MHz	64QAM	20850	1RB#0	-43.86,-35.82,-22.08	PASS
Band7	20MHz	64QAM	20850	100RB#0	-38.18,-33.75,-31.36	PASS
Band7	20MHz	64QAM	21350	1RB#99	-46.79,-42.34,-22.27	PASS
Band7	20MHz	64QAM	21350	100RB#0	-45.63,-37.45,-33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	-43.68,-35.50,-21.86	PASS
Band7	20MHz	16QAM	20850	100RB#0	-38.32,-33.87,-31.37	PASS
Band7	20MHz	16QAM	21350	1RB#99	-46.76,-41.90,-22.95	PASS
Band7	20MHz	16QAM	21350	100RB#0	-45.64,-37.39,-32.89	PASS

5.2. Test Plots



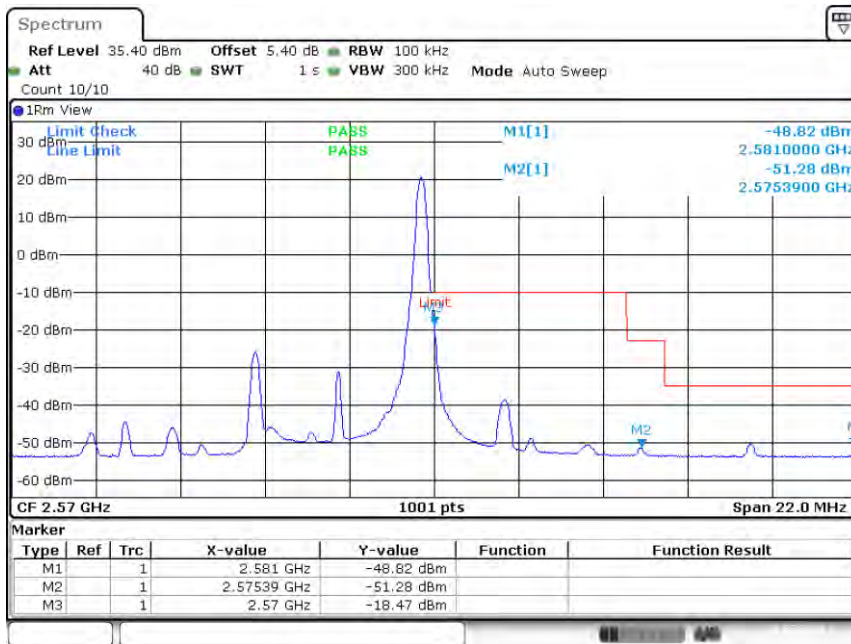
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-5MHz-QPSK-20775-25RB#0



Date: 31 JUL 2020 18:59:06

Band7-5MHz-QPSK-21425-1RB#24

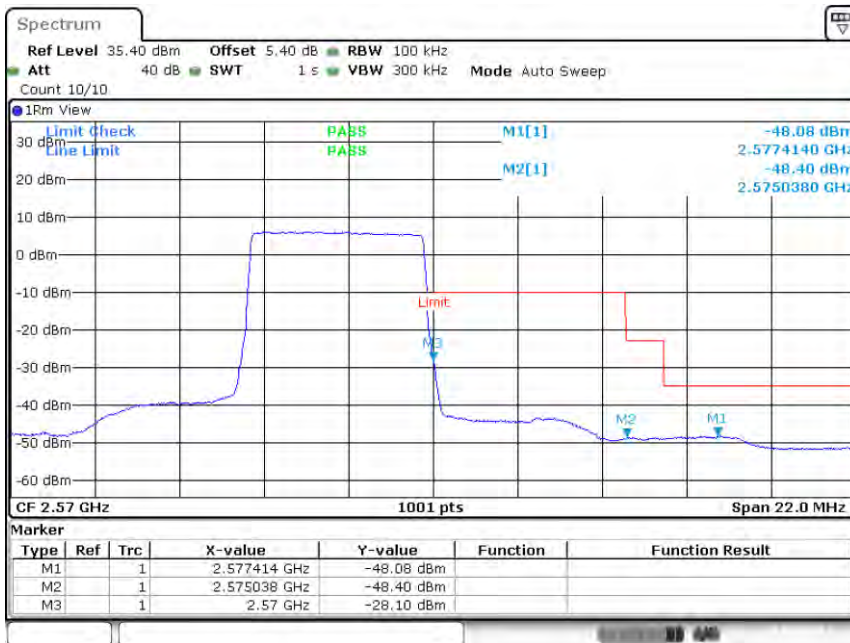


Date: 31 JUL 2020 18:58:19



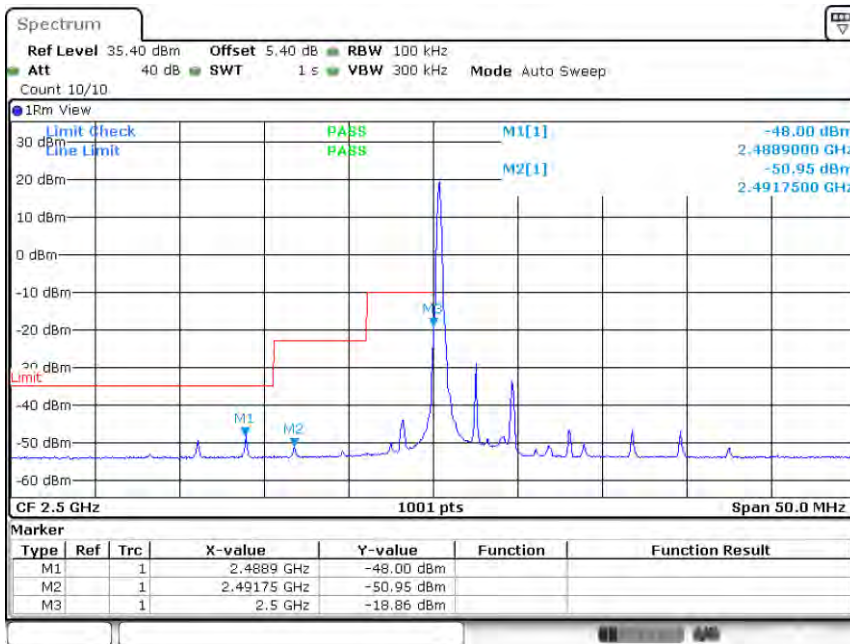
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-5MHz-QPSK-21425-25RB#0



Date: 31 JUL 2020 18:59:49

Band7-5MHz-64QAM-20775-1RB#0



Date: 31 JUL 2020 19:19:13



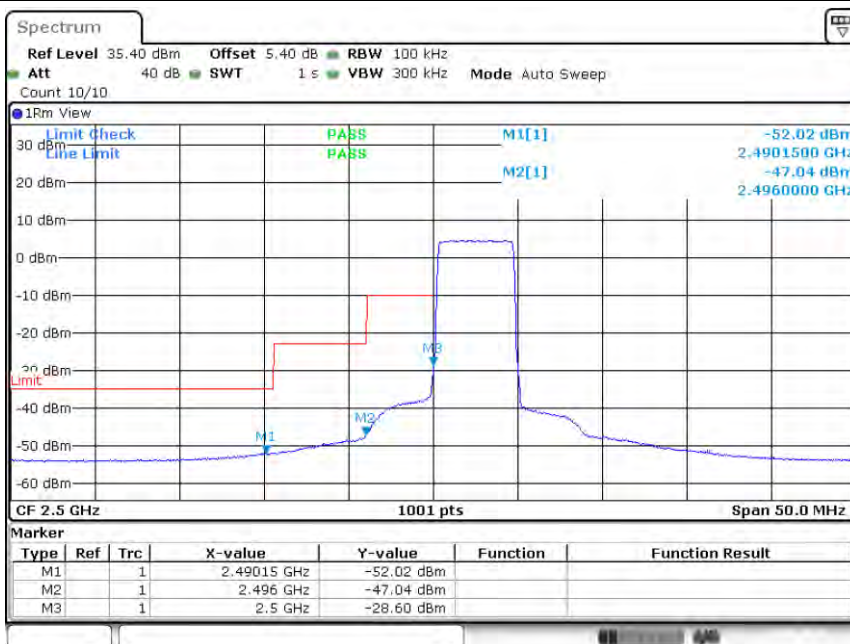
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

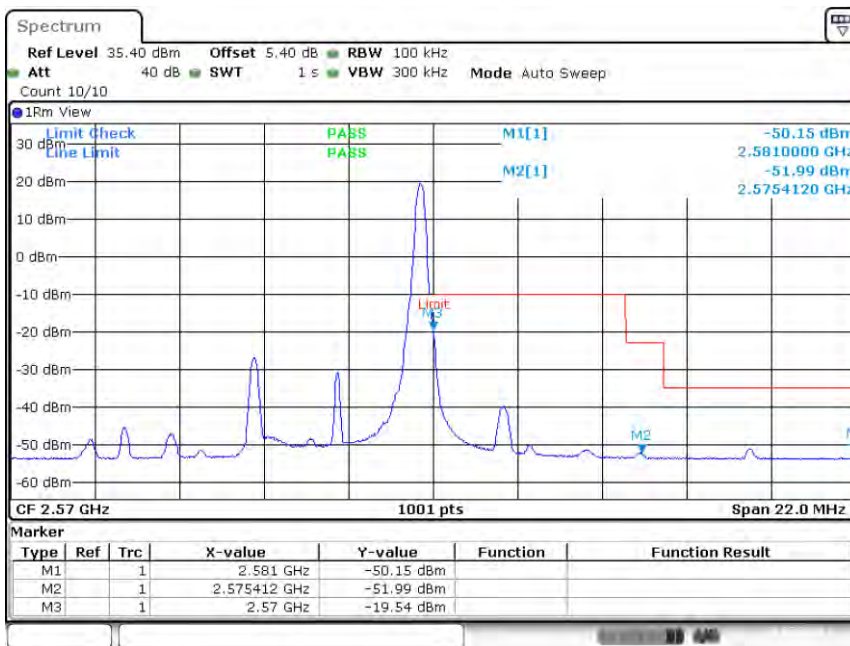


Band7-5MHz-64QAM-20775-25RB#0



Date: 31 JUL 2020 19:20:04

Band7-5MHz-64QAM-21425-1RB#24

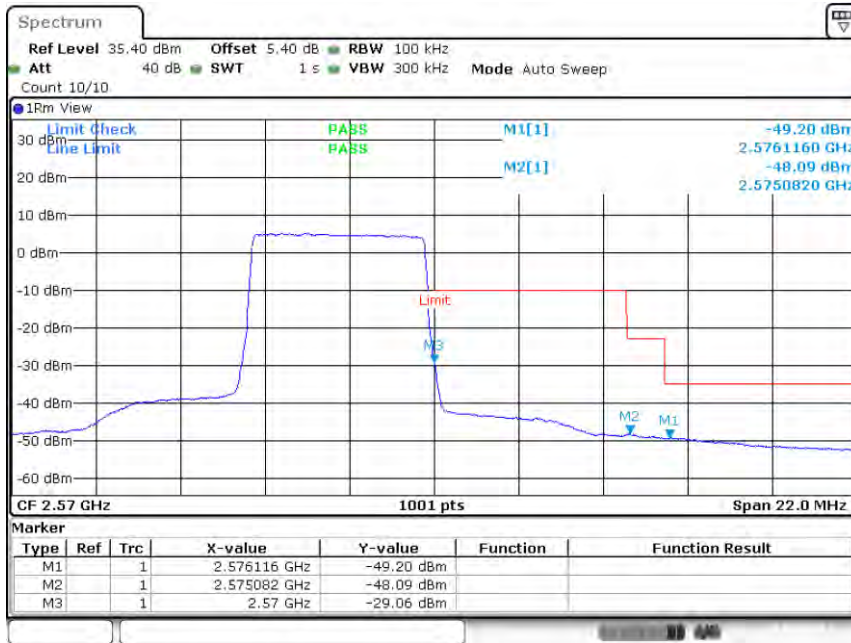


Date: 31 JUL 2020 19:19:39



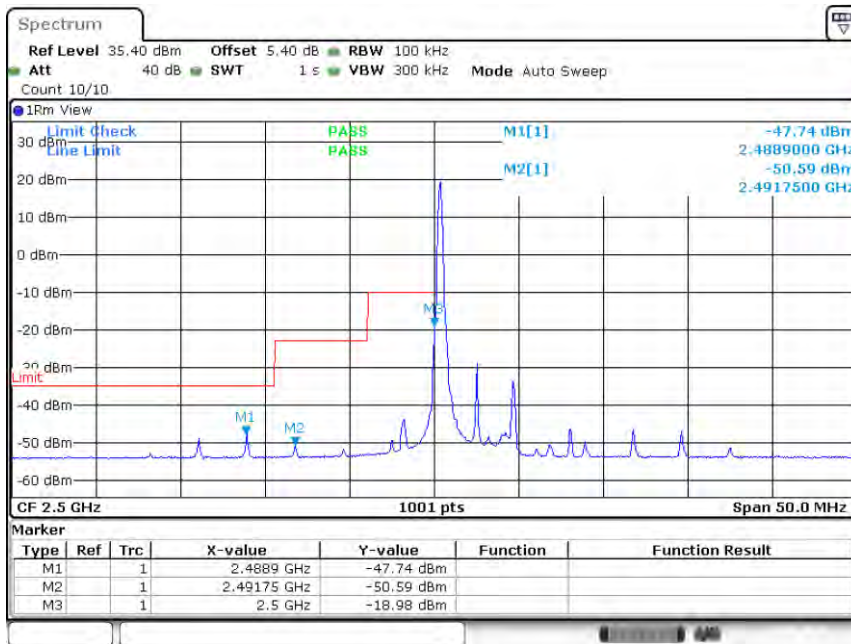
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-5MHz-64QAM-21425-25RB#0



Date: 31 JUL 2020 19:20:26

Band7-5MHz-16QAM-20775-1RB#0



Date: 31 JUL 2020 18:57:53

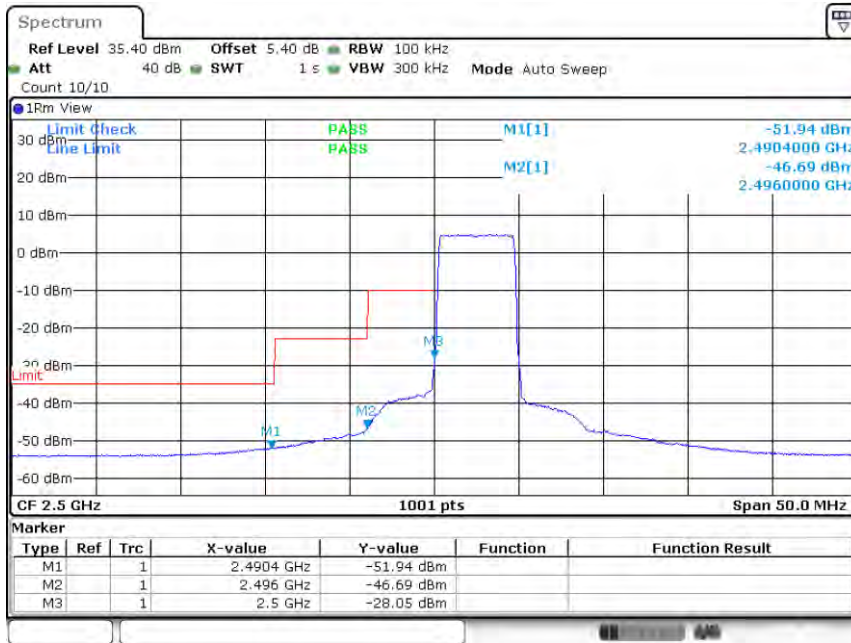


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

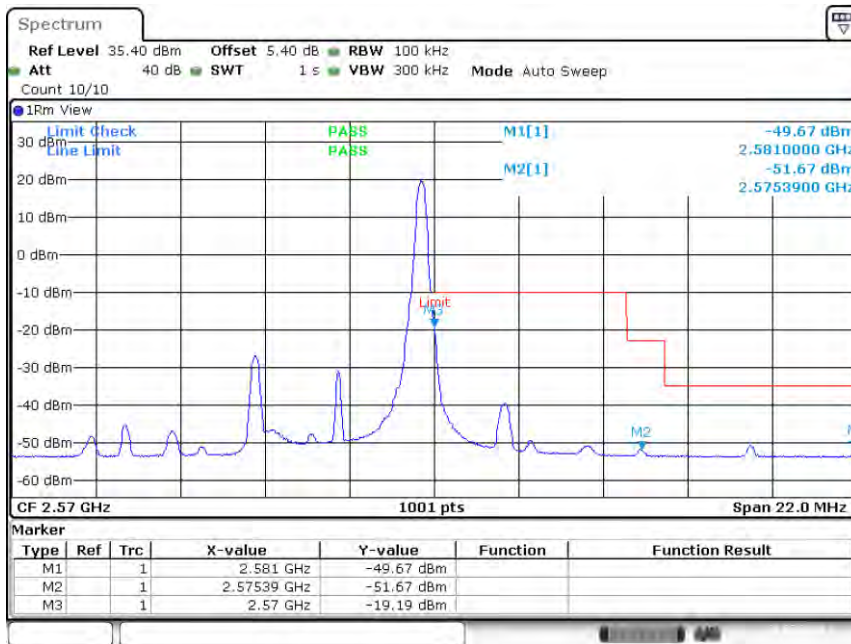
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-5MHz-16QAM-20775-25RB#0



Date: 31 JUL 2020 18:59:27

Band7-5MHz-16QAM-21425-1RB#24



Date: 31 JUL 2020 18:58:40

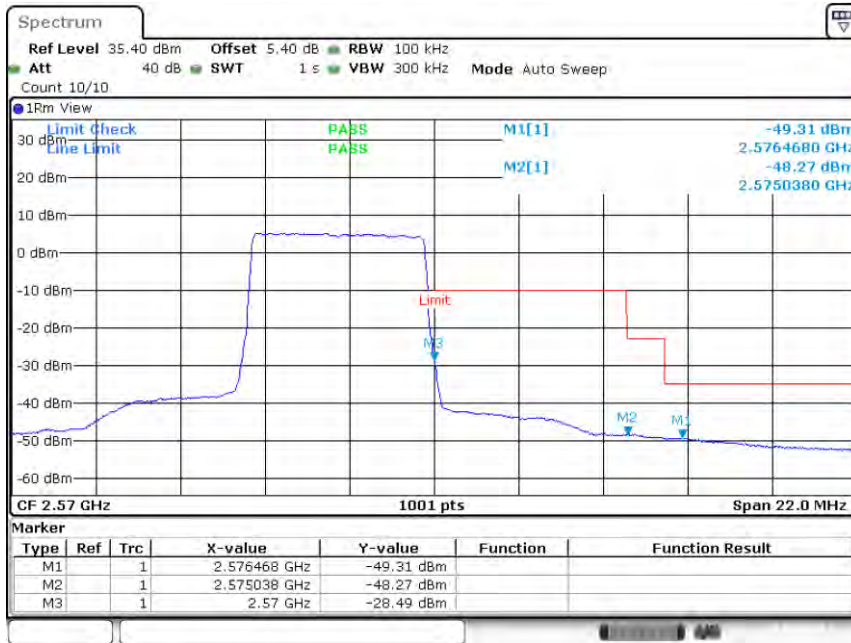


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

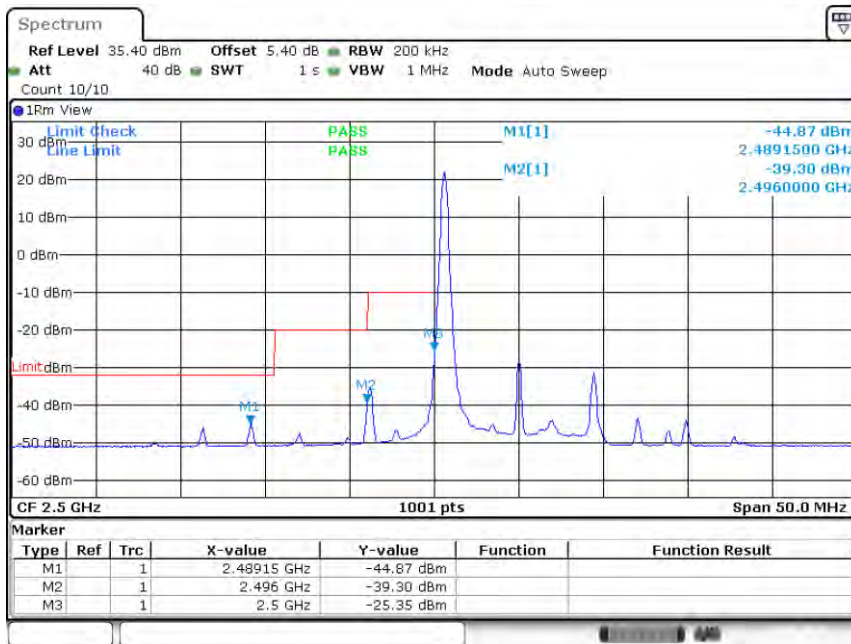
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-5MHz-16QAM-21425-25RB#0



Date: 31 JUL 2020 19:00:10

Band7-10MHz-QPSK-20800-1RB#0

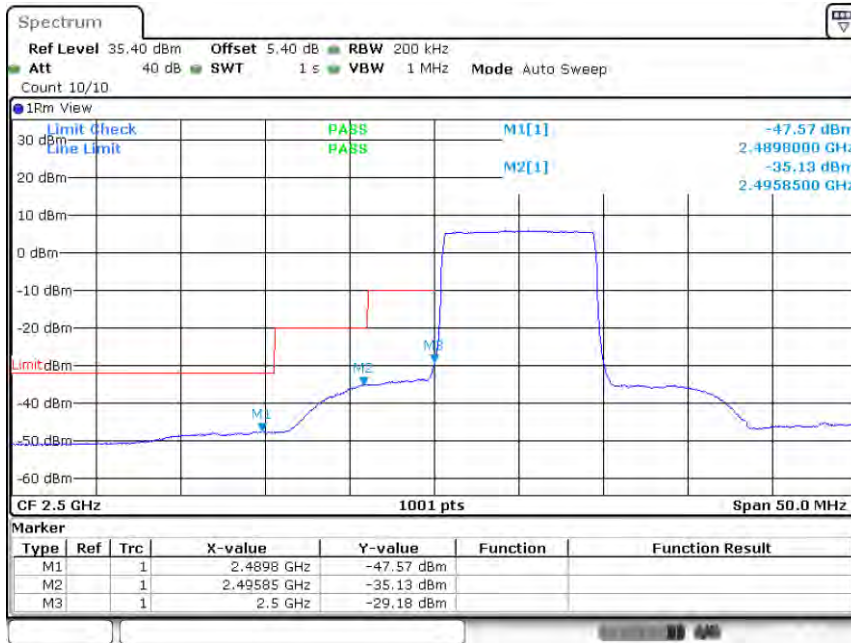


Date: 31 JUL 2020 19:00:36



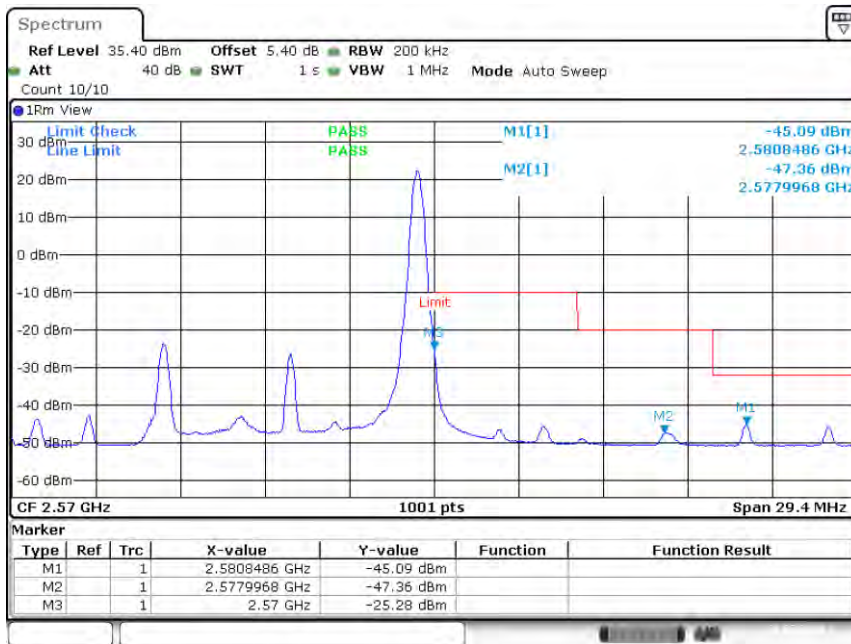
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-QPSK-20800-50RB#0



Date: 31 JUL 2020 19:02:11

Band7-10MHz-QPSK-21400-1RB#49

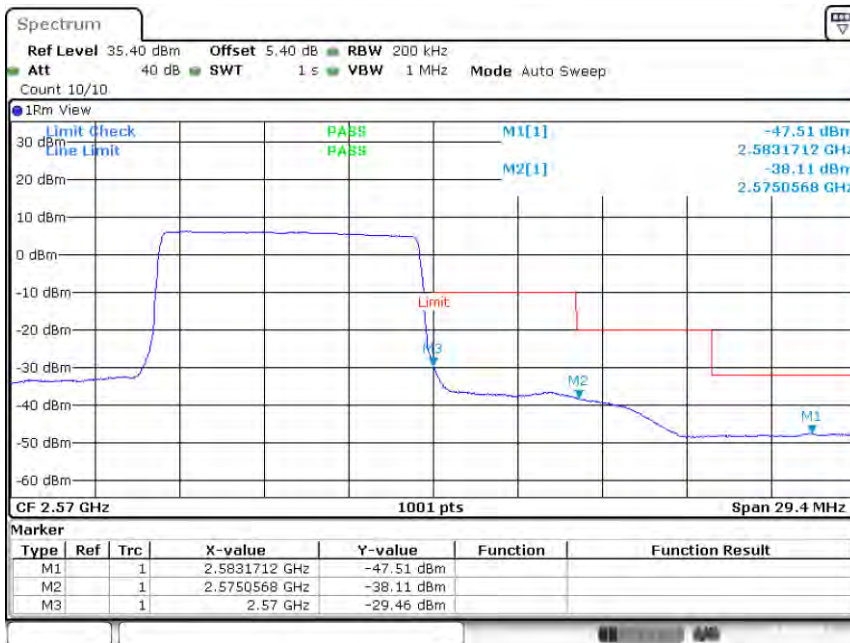


Date: 31 JUL 2020 19:01:23



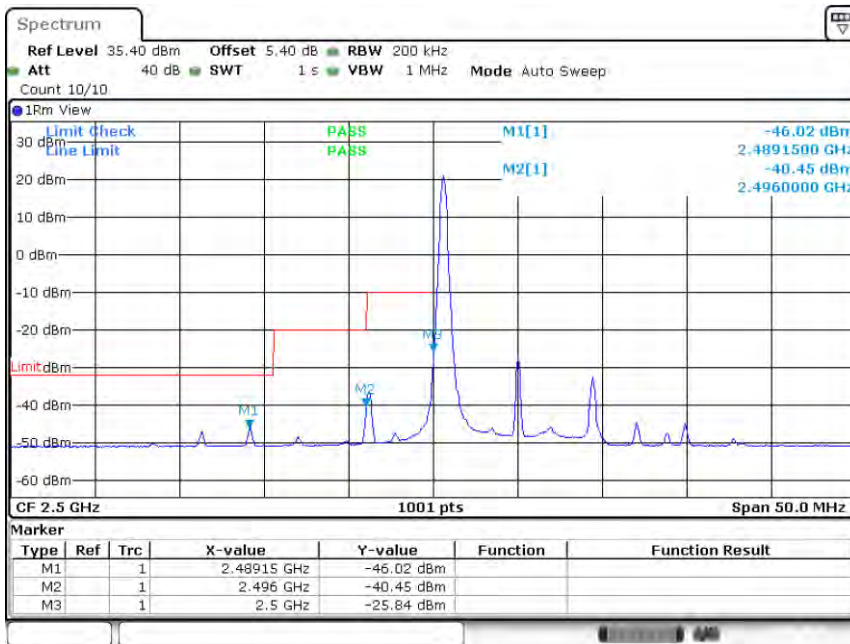
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-QPSK-21400-50RB#0



Date: 31 JUL 2020 19:02:57

Band7-10MHz-64QAM-20800-1RB#0

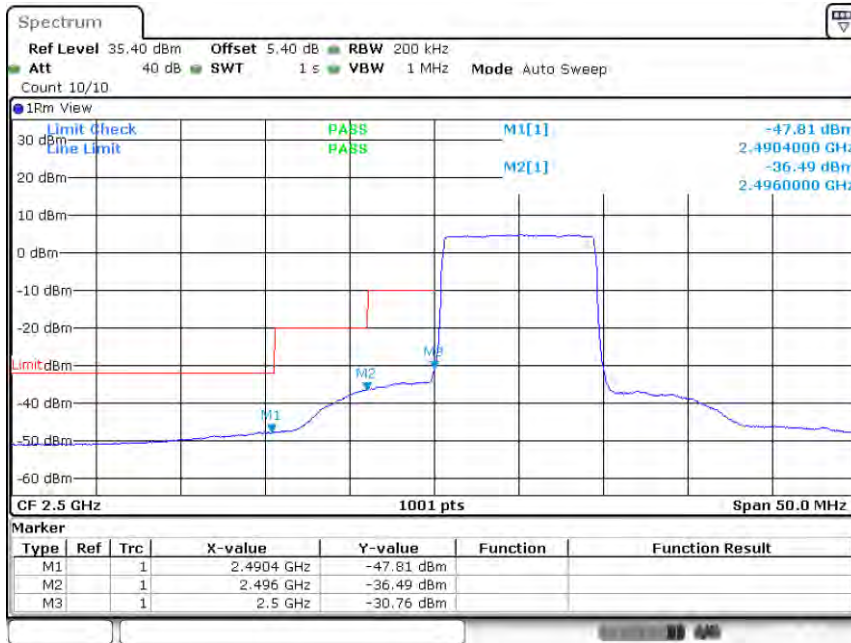


Date: 31 JUL 2020 19:20:52



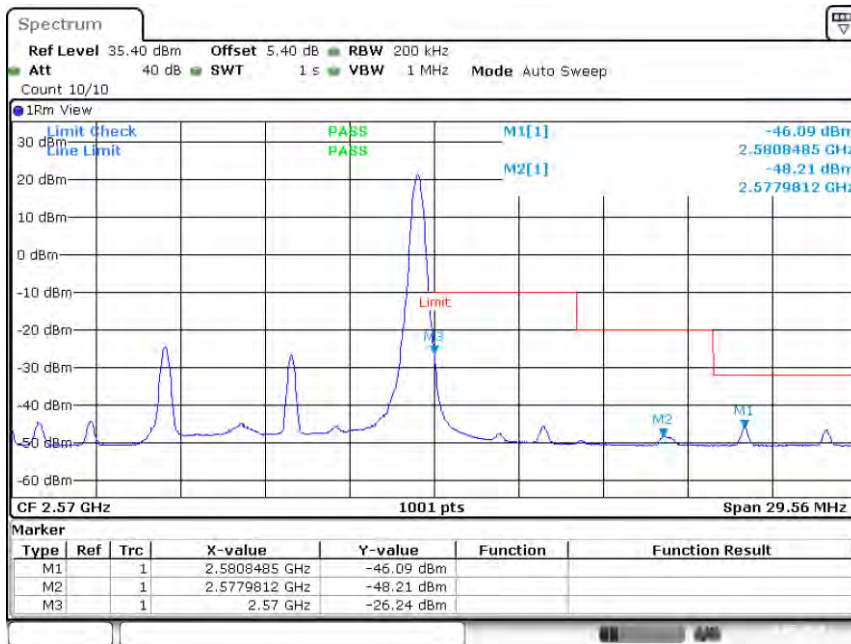
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-64QAM-20800-50RB#0



Date: 31 JUL 2020 19:21:50

Band7-10MHz-64QAM-21400-1RB#49



Date: 31 JUL 2020 19:21:25

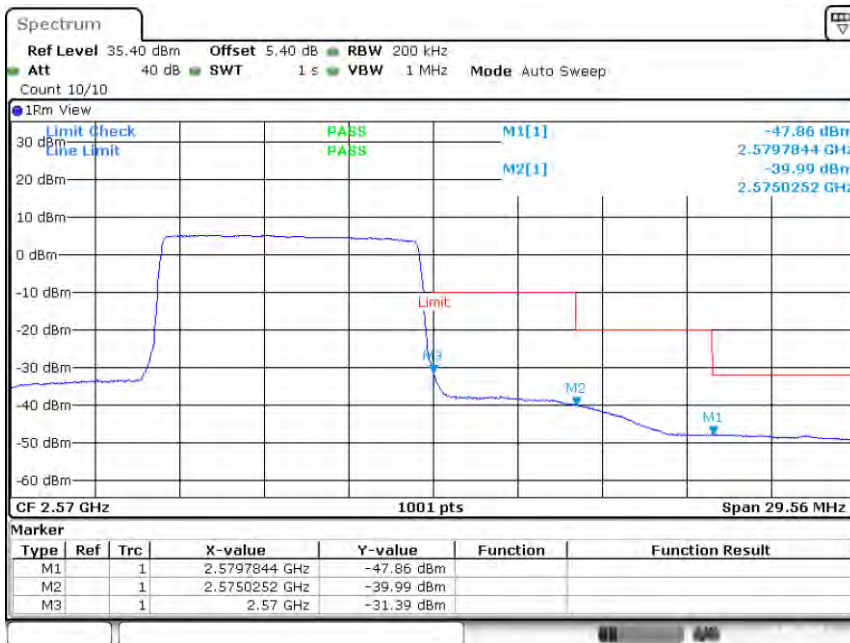


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

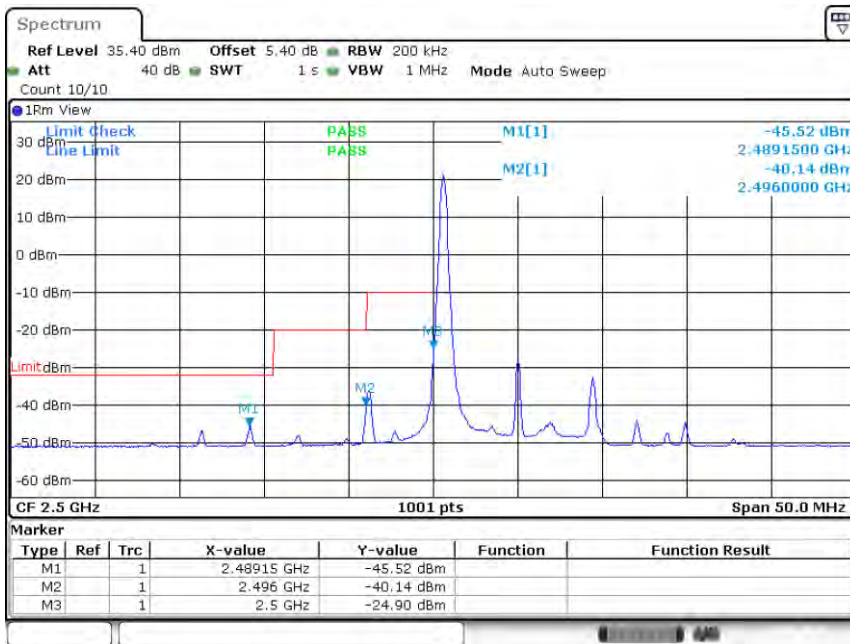
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-10MHz-64QAM-21400-50RB#0



Date: 31 JUL 2020 19:22:12

Band7-10MHz-16QAM-20800-1RB#0



Date: 31 JUL 2020 19:00:57

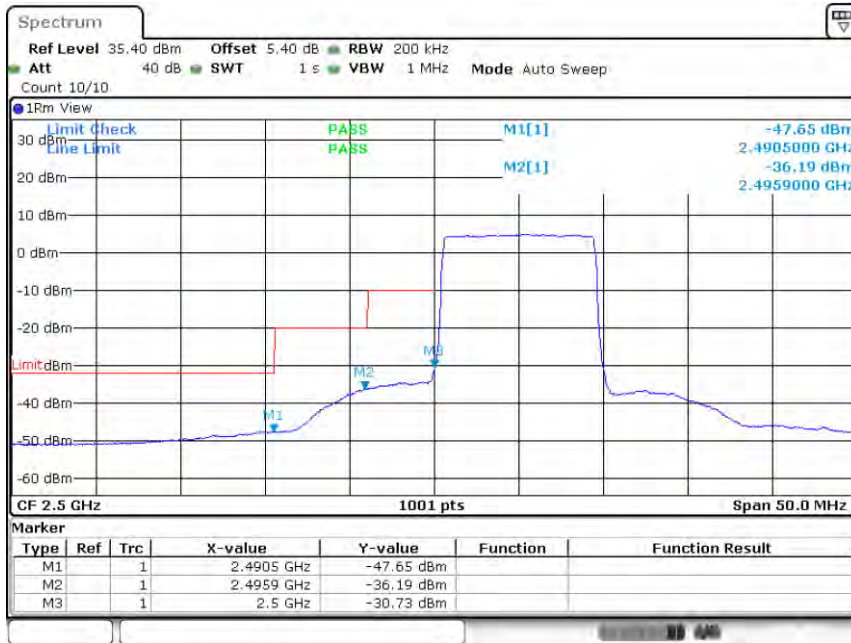


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

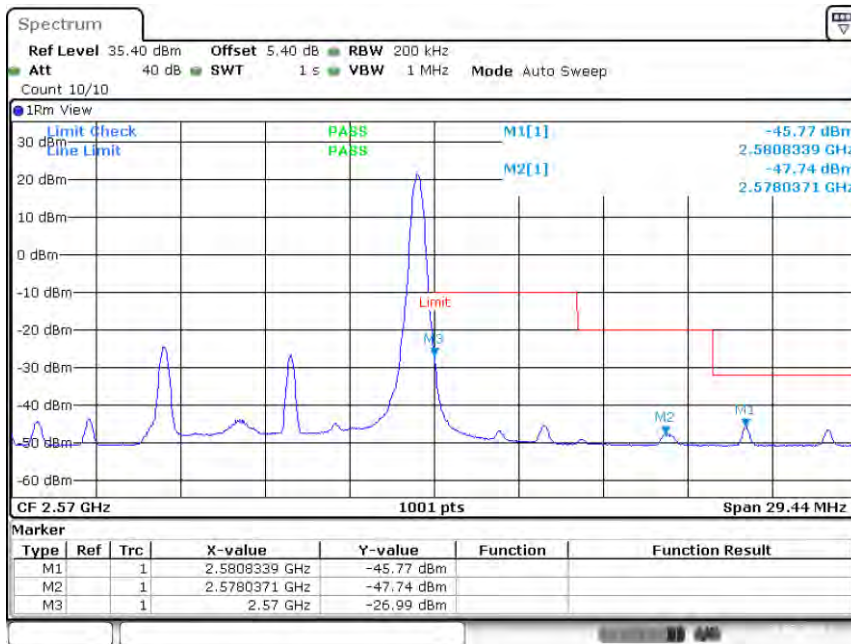
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-10MHz-16QAM-20800-50RB#0



Date: 31 JUL 2020 19:02:34

Band7-10MHz-16QAM-21400-1RB#49

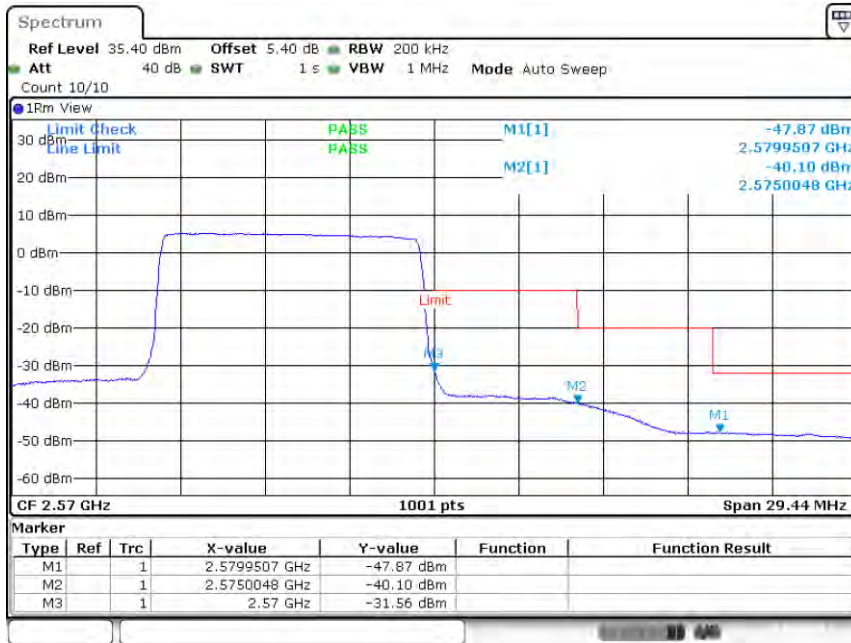


Date: 31 JUL 2020 19:01:44



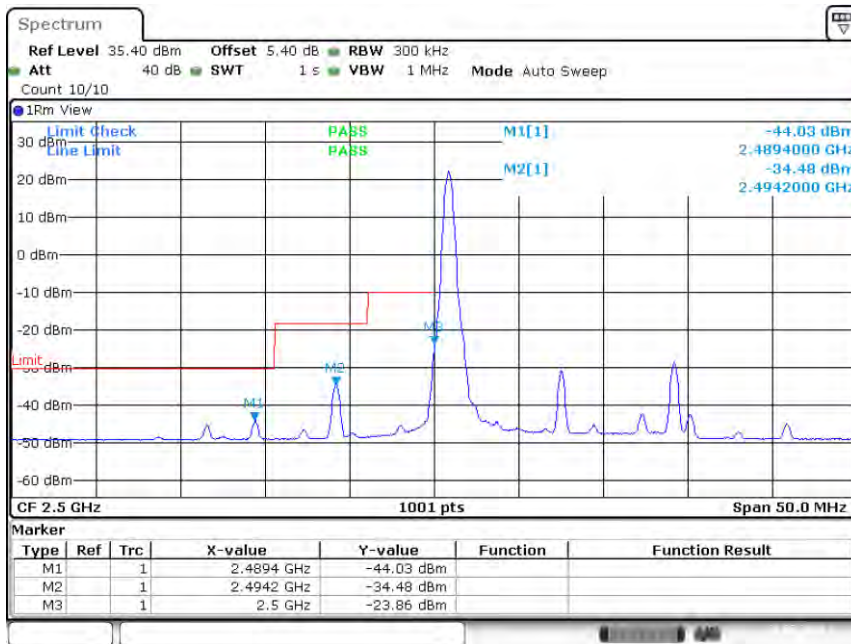
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-16QAM-21400-50RB#0



Date: 31 JUL 2020 19:03:18

Band7-15MHz-QPSK-20825-1RB#0



Date: 31 JUL 2020 19:03:45

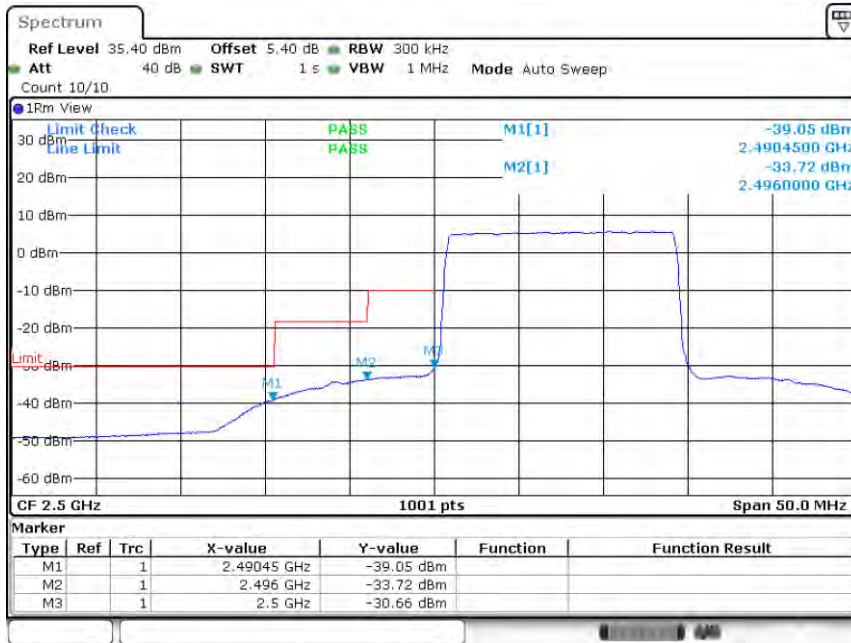


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

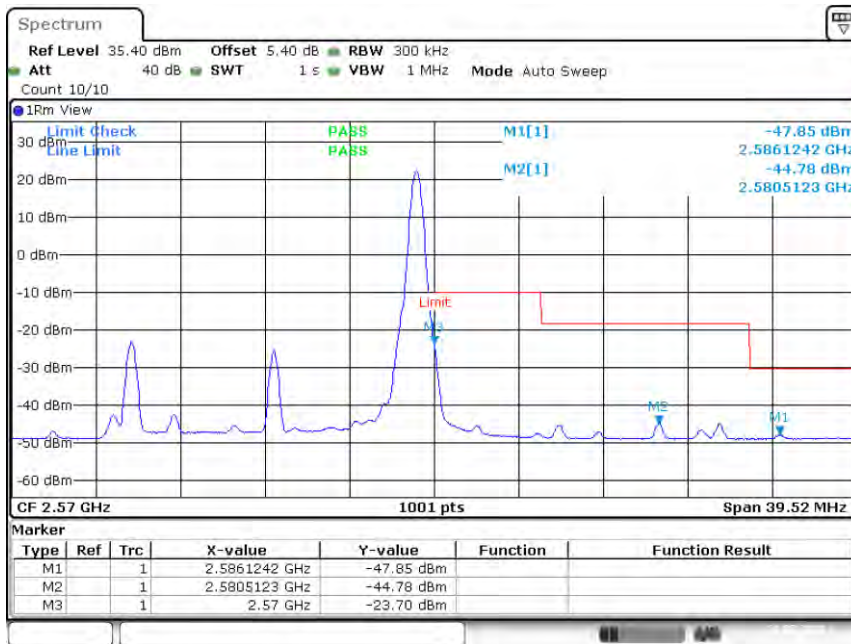
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-15MHz-QPSK-20825-75RB#0



Date: 31 JUL 2020 19:06:25

Band7-15MHz-QPSK-21375-1RB#74



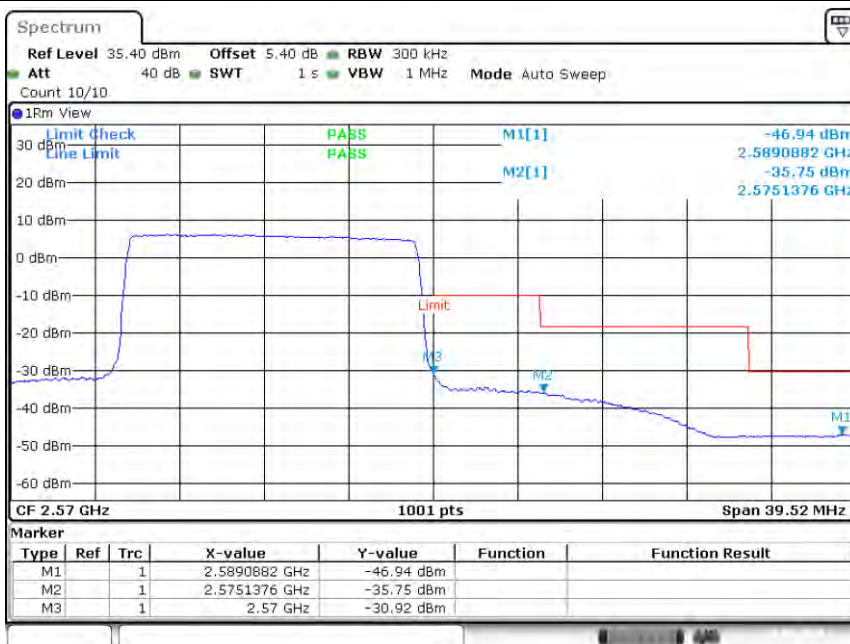
Date: 31 JUL 2020 19:05:38



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

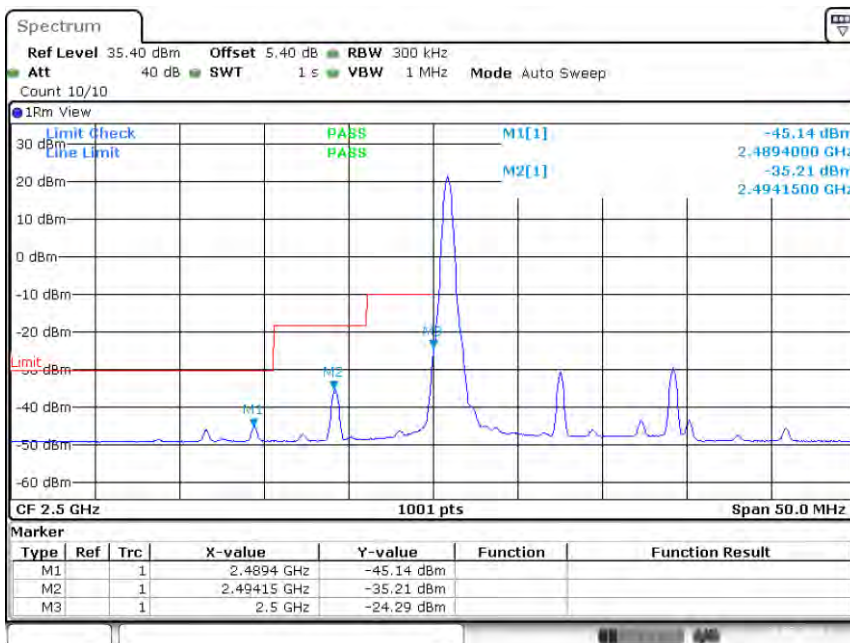


Band7-15MHz-QPSK-21375-75RB#0



Date: 31 JUL 2020 19:07:07

Band7-15MHz-64QAM-20825-1RB#0



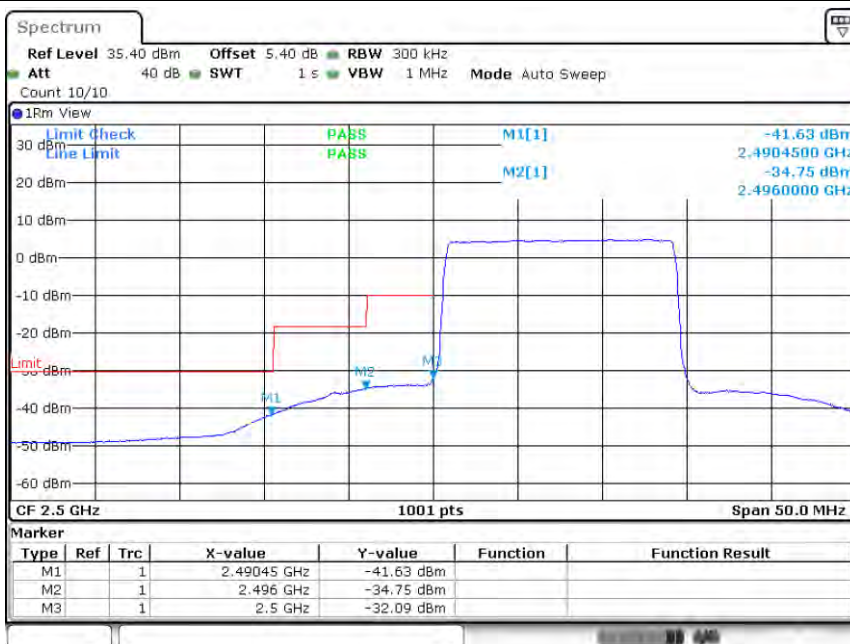
Date: 31 JUL 2020 19:22:38



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

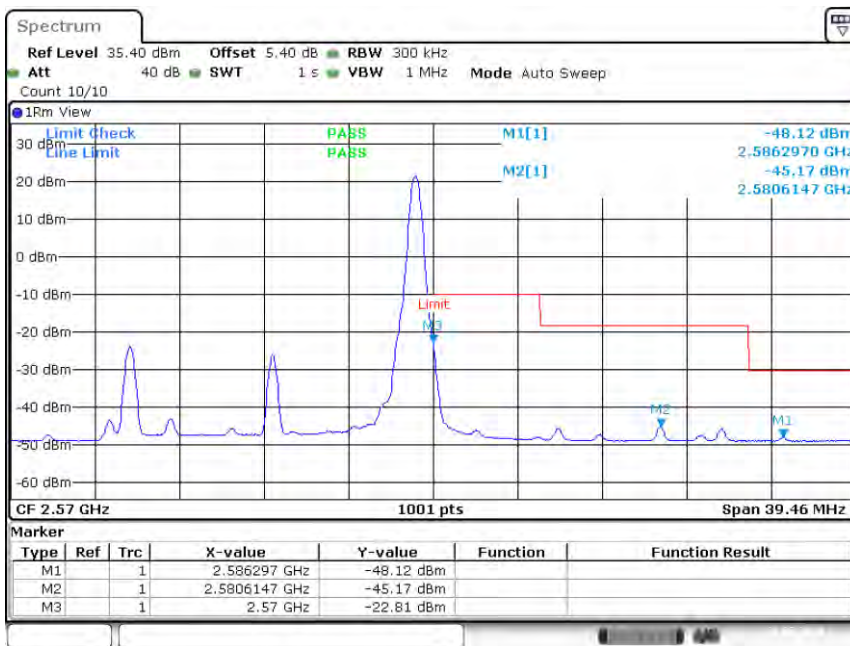


Band7-15MHz-64QAM-20825-75RB#0



Date: 31 JUL 2020 19:23:30

Band7-15MHz-64QAM-21375-1RB#74

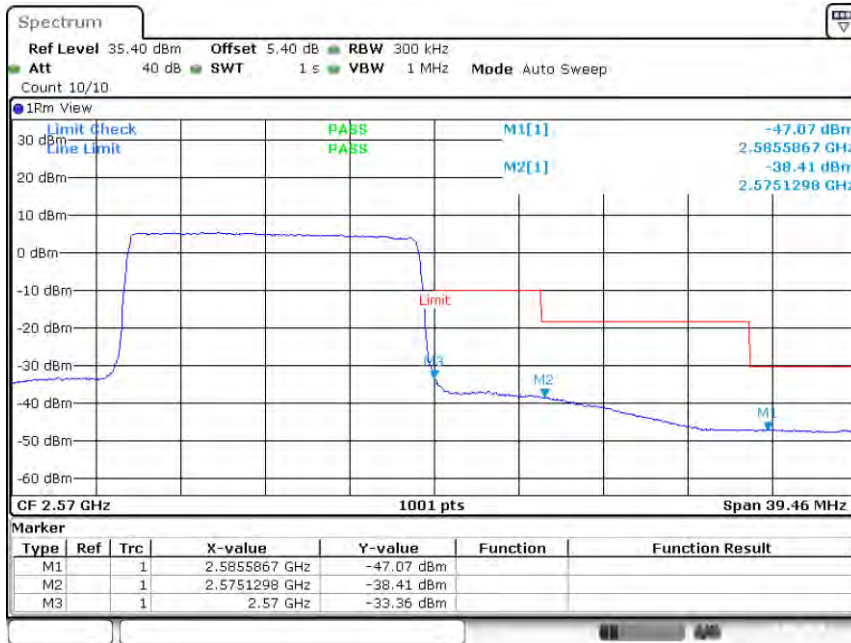


Date: 31 JUL 2020 19:23:04



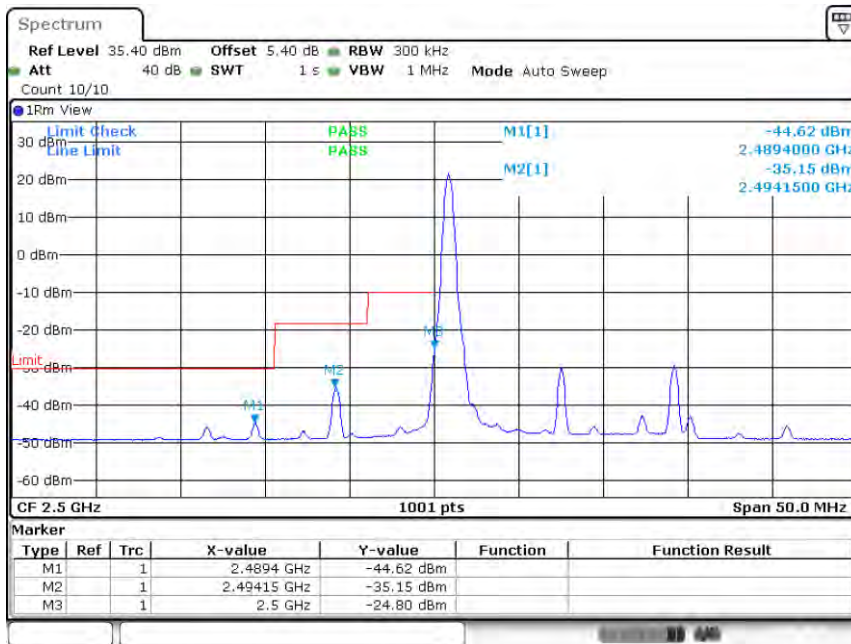
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-64QAM-21375-75RB#0



Date: 31 JUL 2020 19:23:51

Band7-15MHz-16QAM-20825-1RB#0

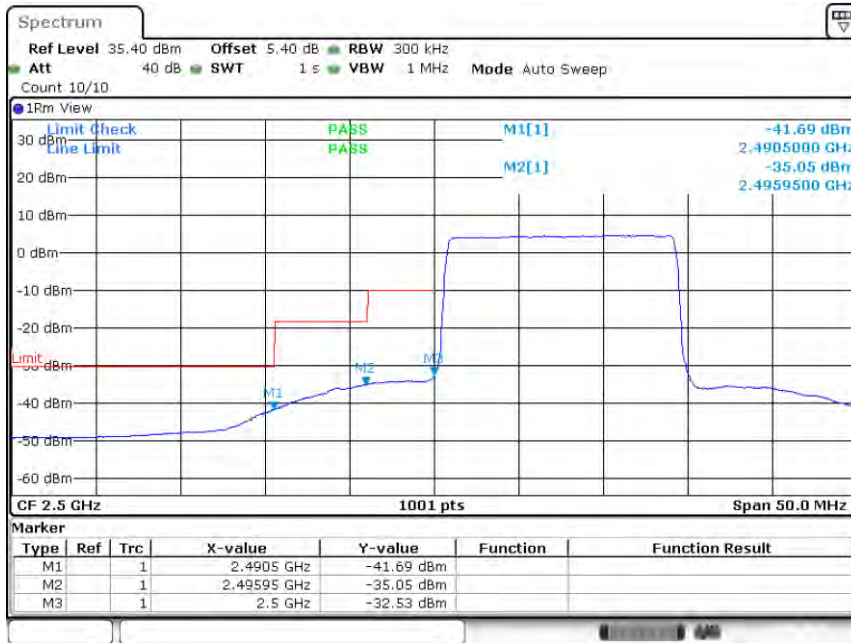


Date: 31 JUL 2020 19:04:08



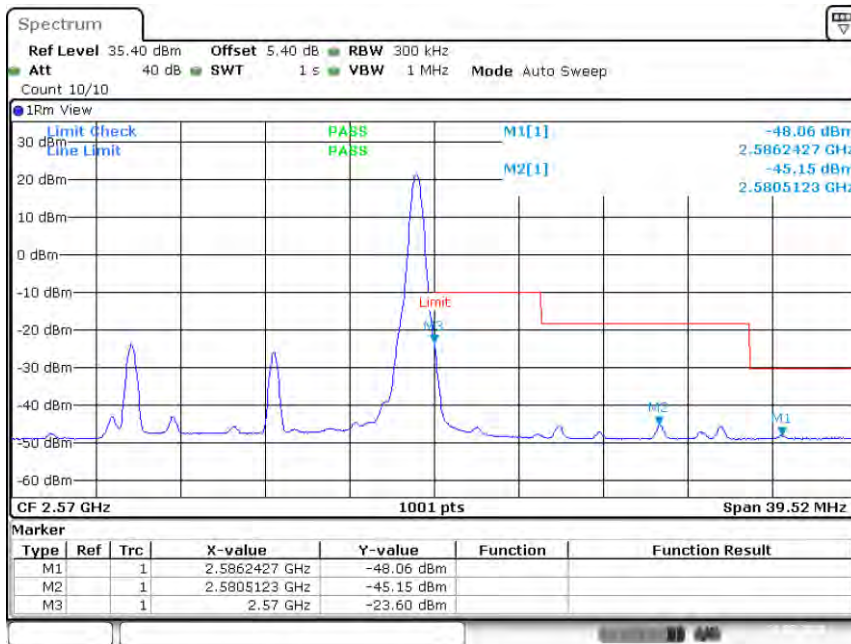
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-16QAM-20825-75RB#0



Date: 31 JUL 2020 19:06:46

Band7-15MHz-16QAM-21375-1RB#74

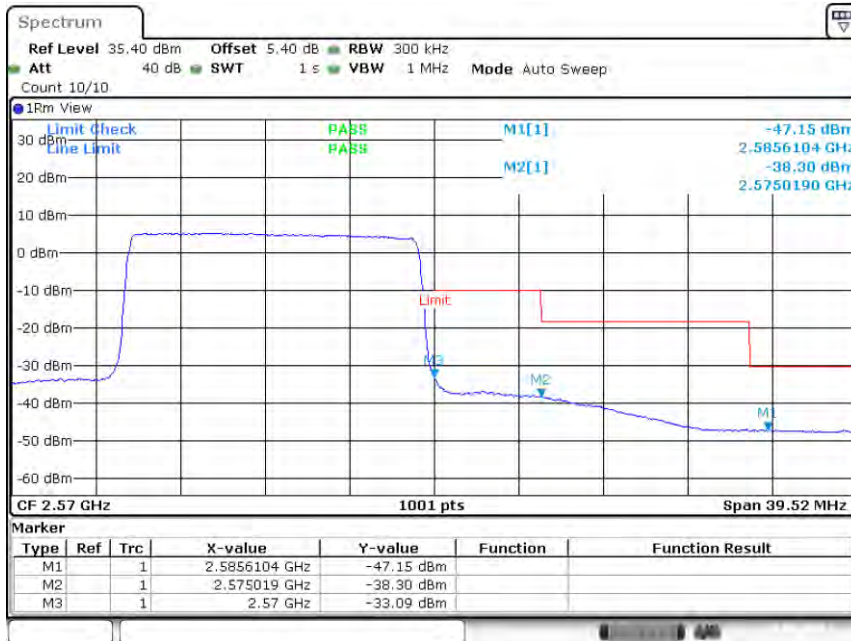


Date: 31 JUL 2020 19:05:59



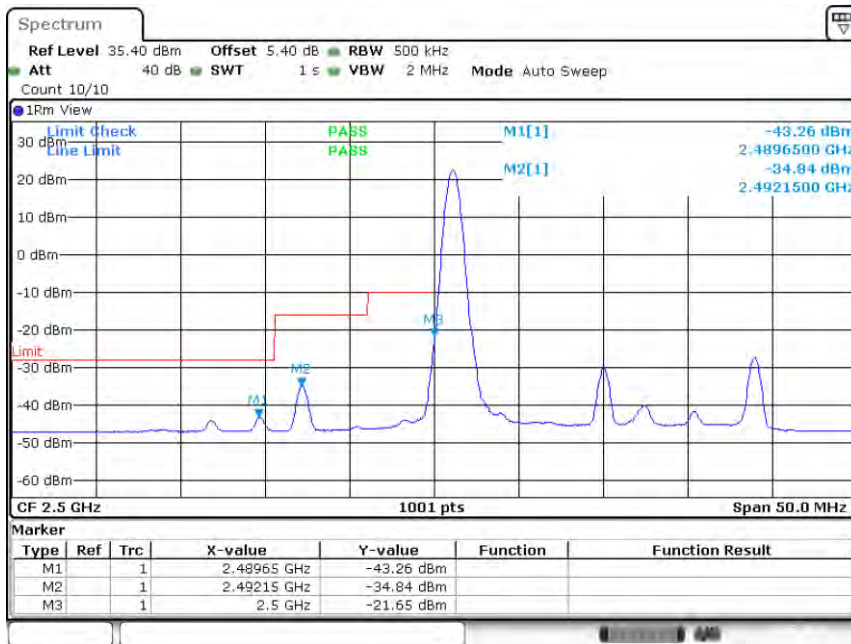
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-16QAM-21375-75RB#0



Date: 31 JUL 2020 19:07:29

Band7-20MHz-QPSK-20850-1RB#0

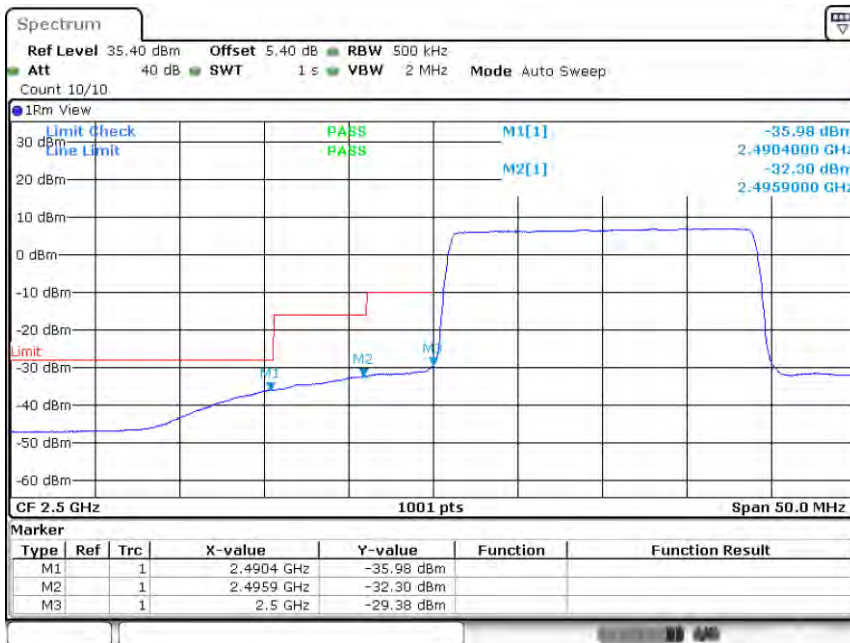


Date: 31 JUL 2020 19:07:55



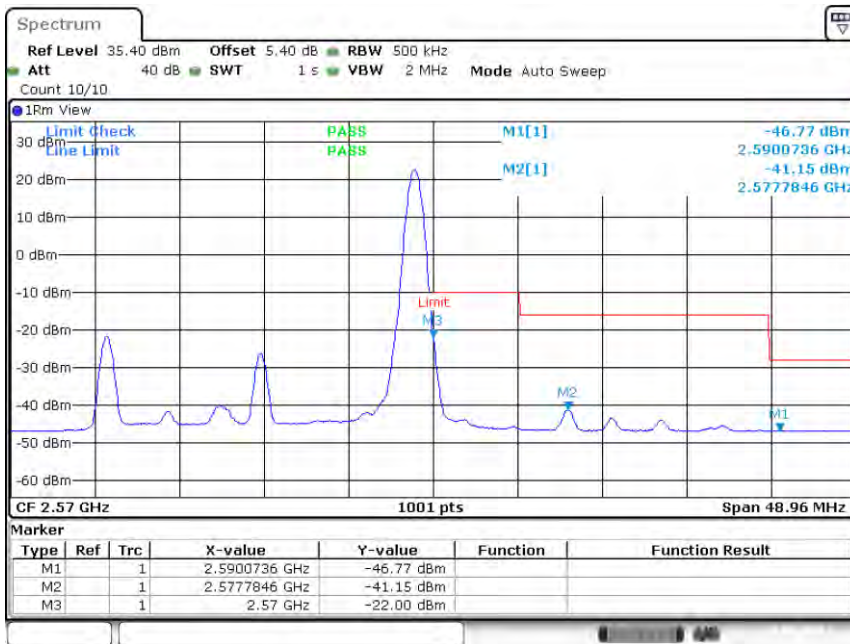
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-QPSK-20850-100RB#0



Date: 31 JUL 2020 19:09:33

Band7-20MHz-QPSK-21350-1RB#99



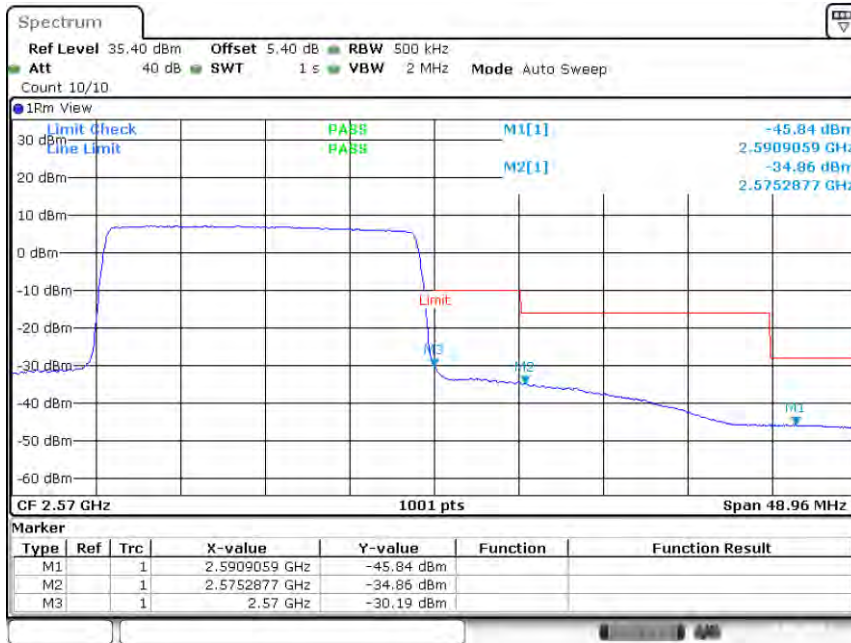
Date: 31 JUL 2020 19:08:45



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

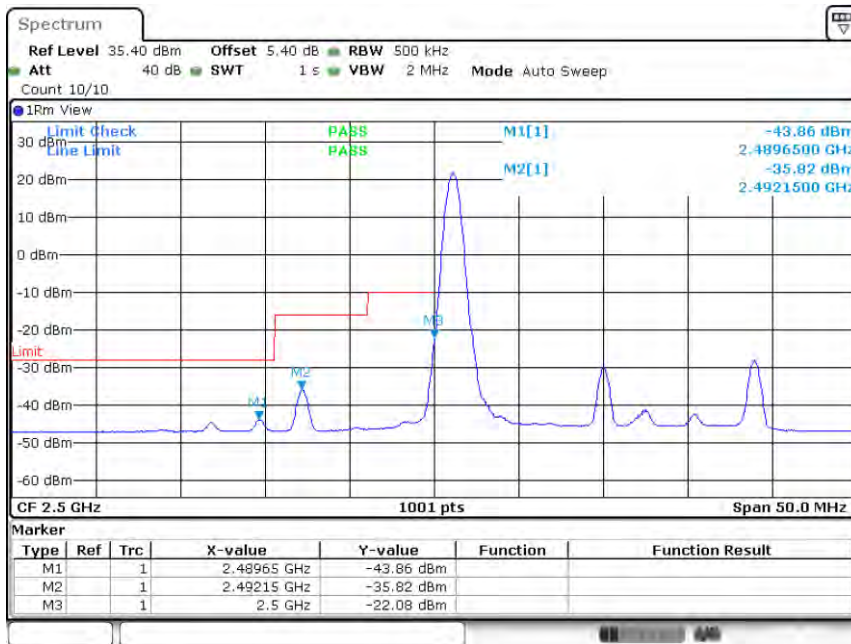


Band7-20MHz-QPSK-21350-100RB#0



Date: 31 JUL 2020 19:10:18

Band7-20MHz-64QAM-20850-1RB#0

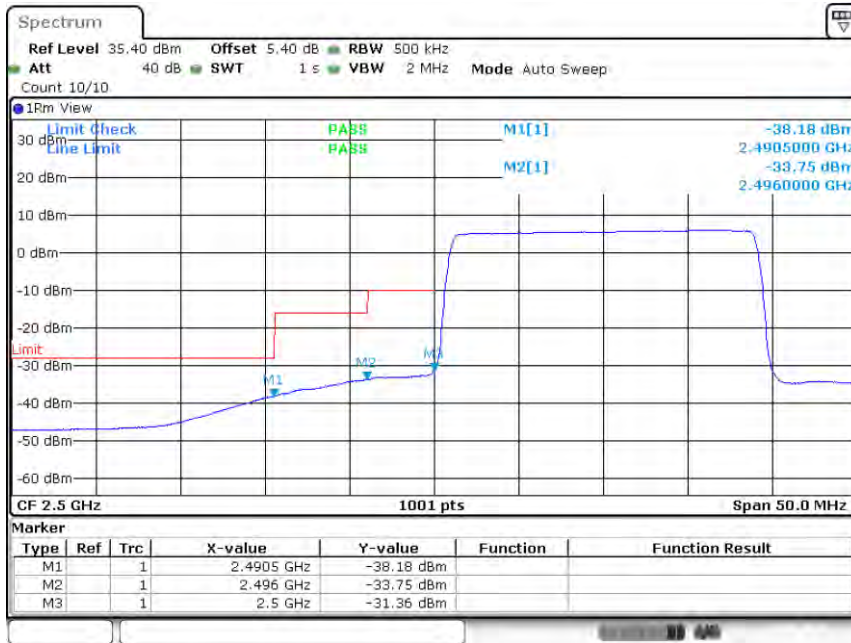


Date: 31 JUL 2020 19:24:18



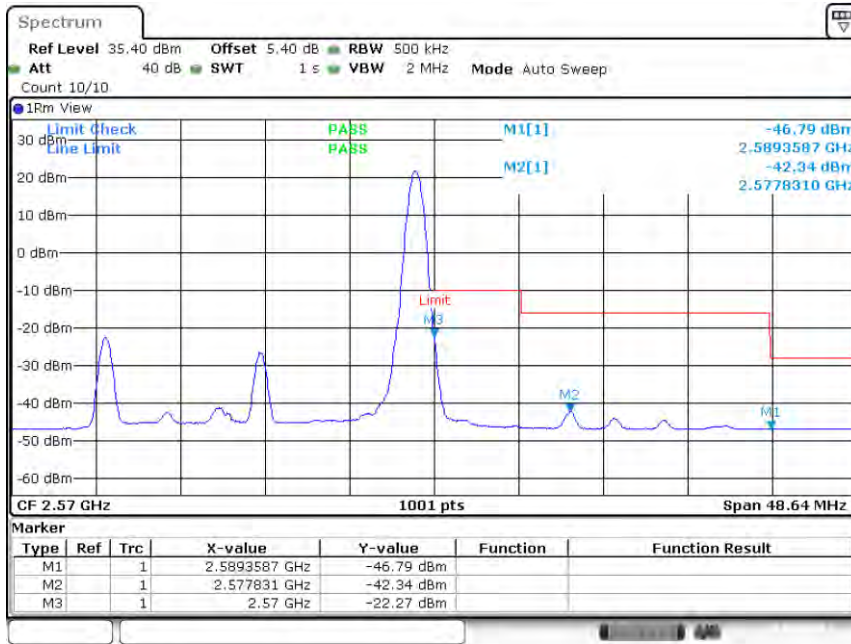
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-20850-100RB#0



Date: 31 JUL 2020 19:25:09

Band7-20MHz-64QAM-21350-1RB#99

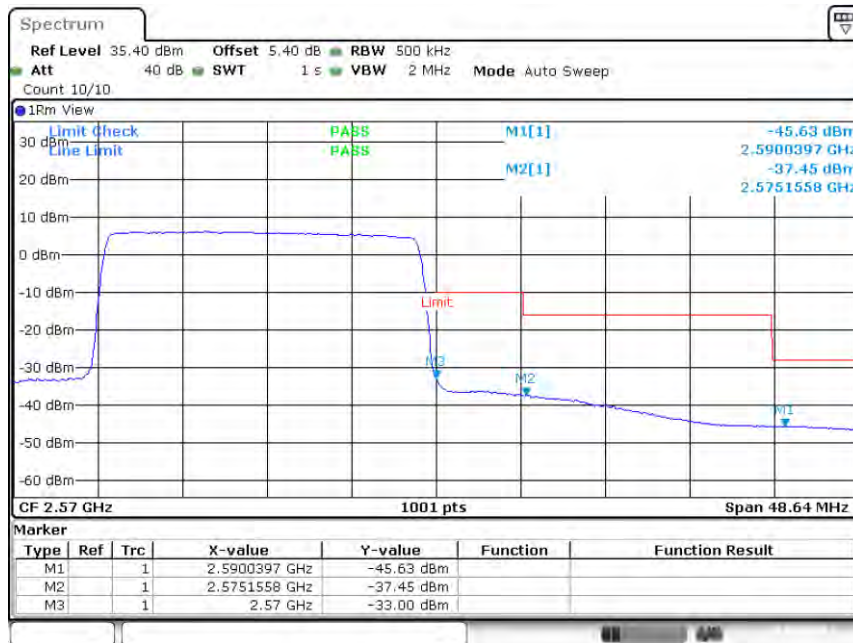


Date: 31 JUL 2020 19:24:44



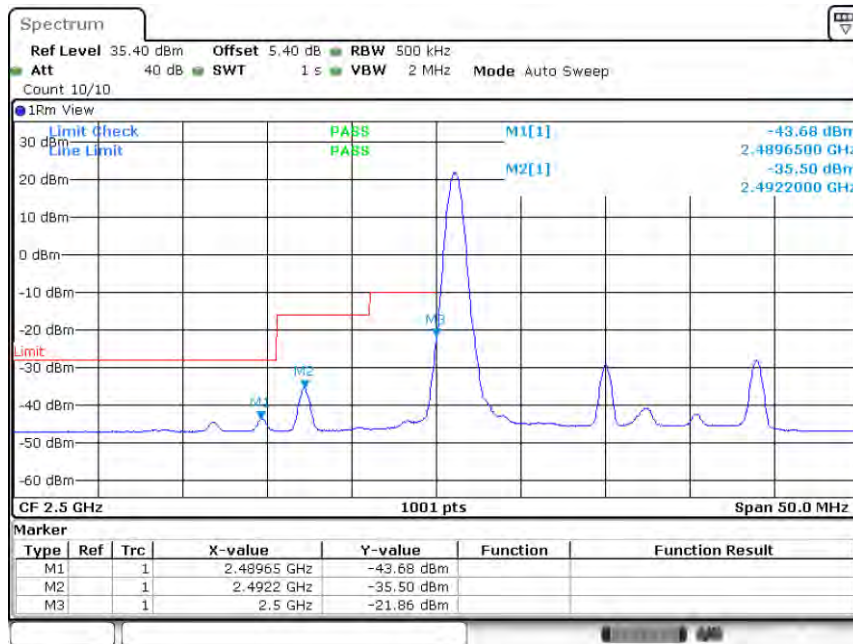
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-21350-100RB#0



Date: 31 JUL 2020 19:25:31

Band7-20MHz-16QAM-20850-1RB#0

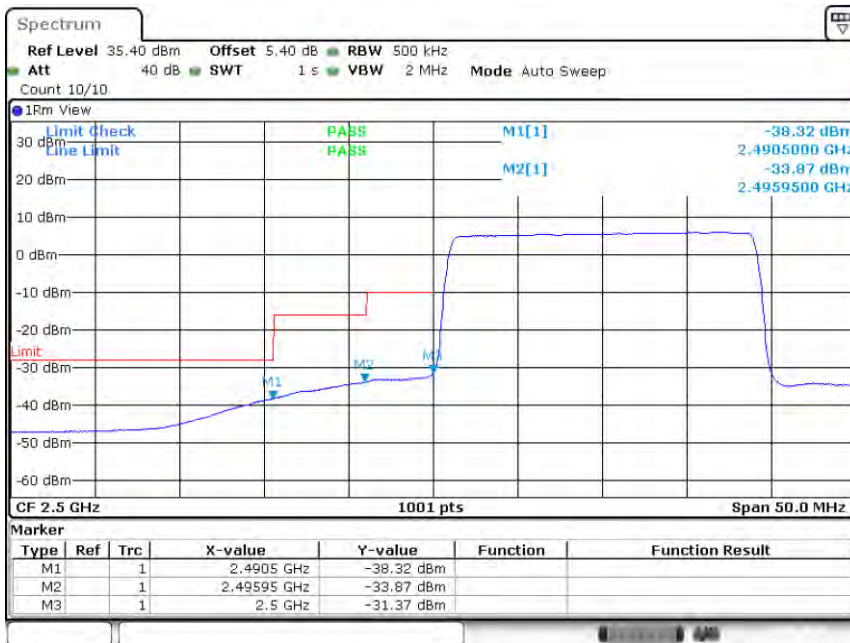


Date: 31 JUL 2020 19:08:18



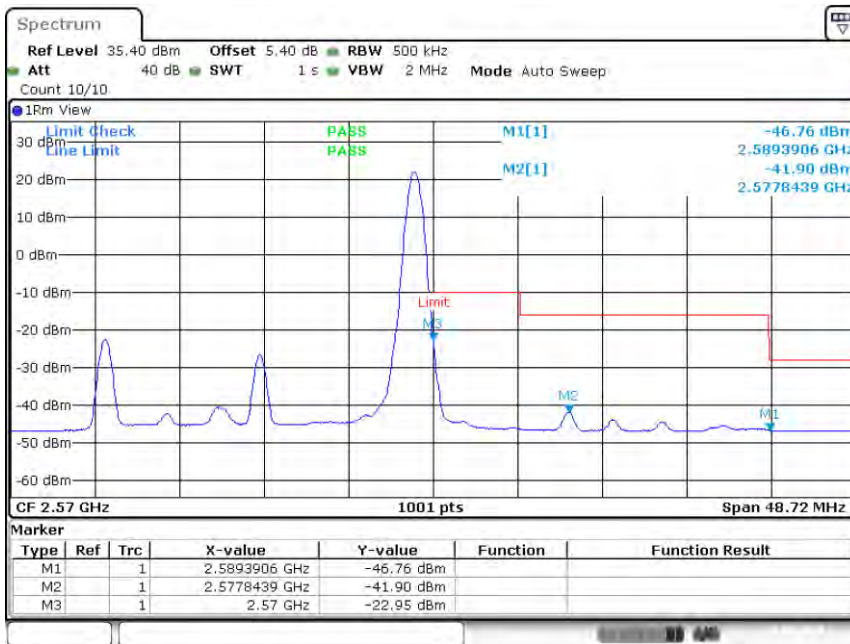
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-16QAM-20850-100RB#0



Date: 31 JUL 2020 19:09:55

Band7-20MHz-16QAM-21350-1RB#99



Date: 31 JUL 2020 19:09:06

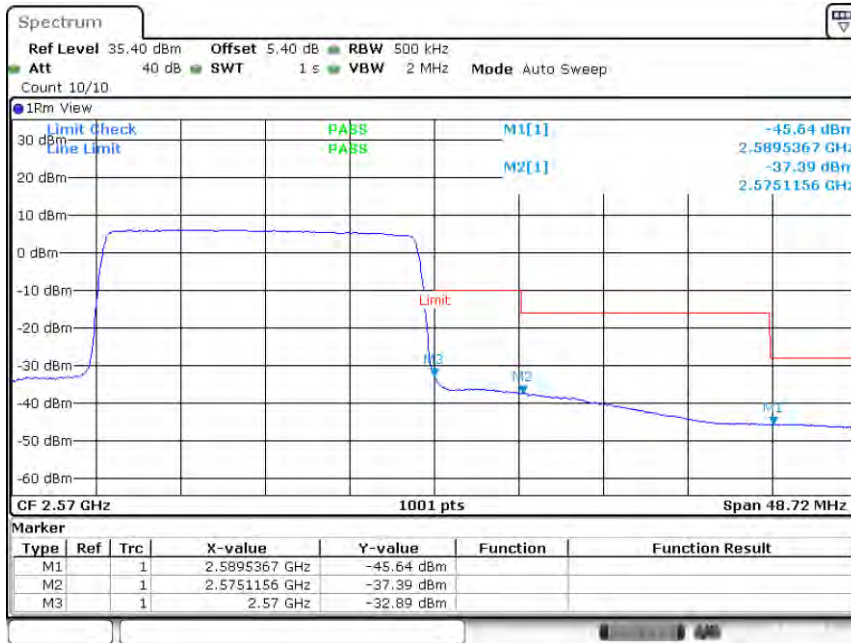


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

Band7-20MHz-16QAM-21350-100RB#0



Date: 31 JUL 2020 19:10:39



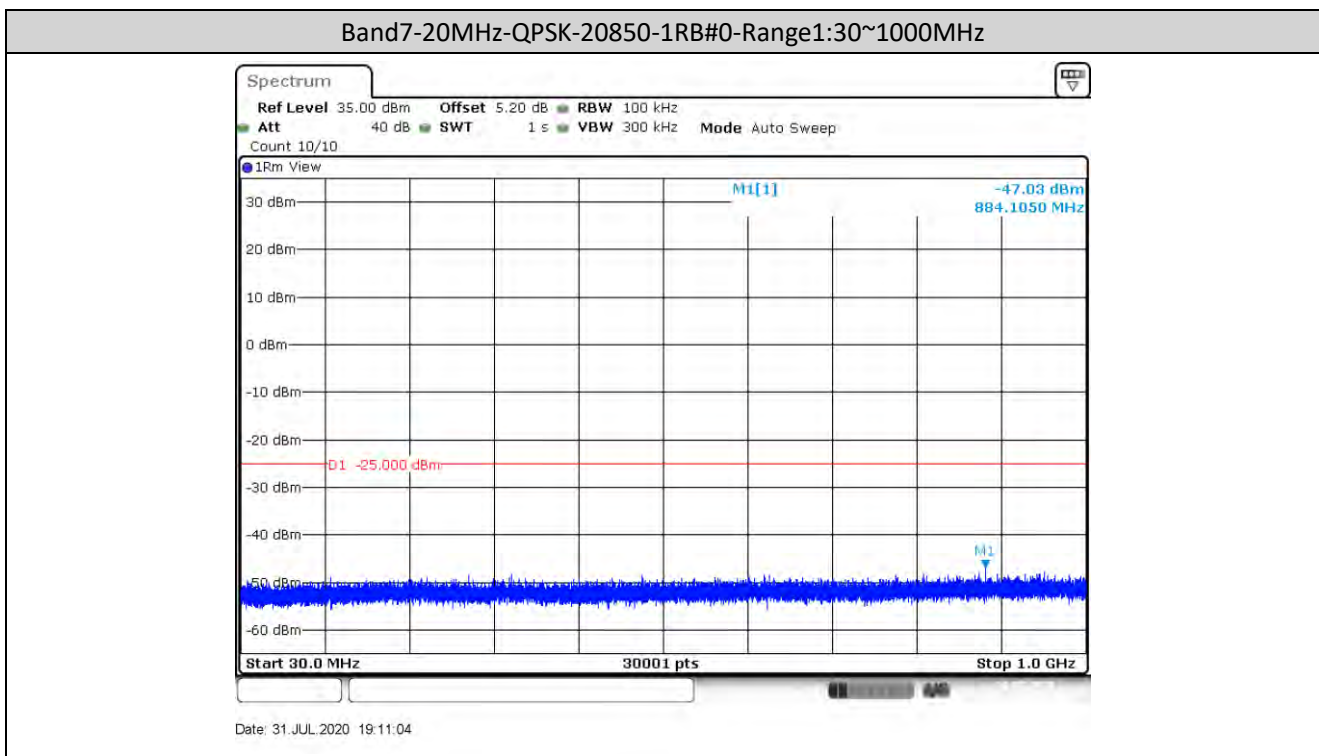
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

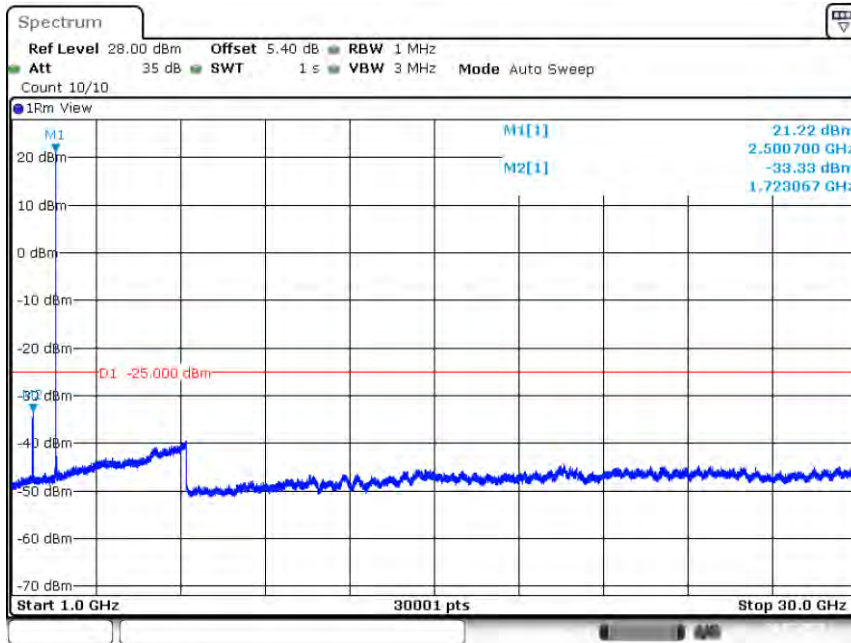
6.1. Test Plots



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

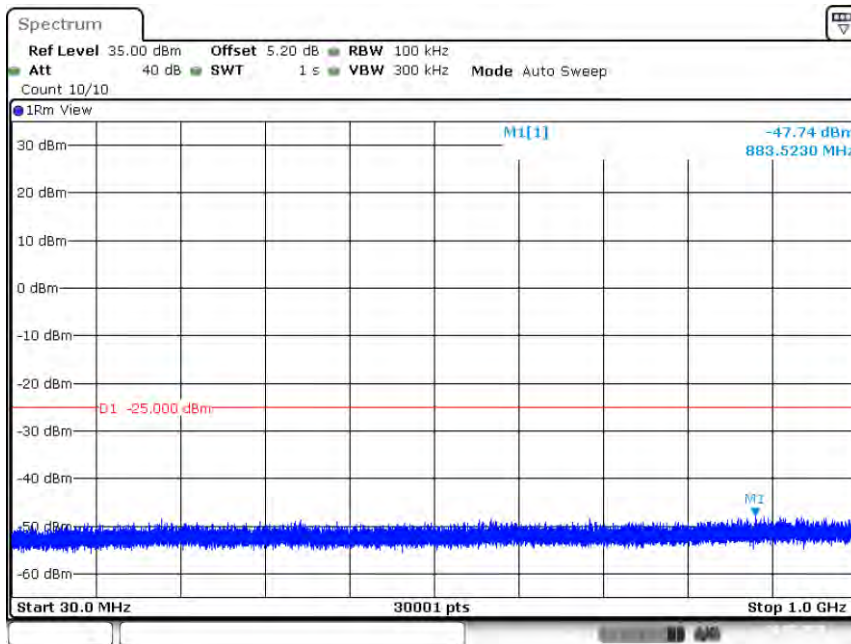
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:11:21

Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz

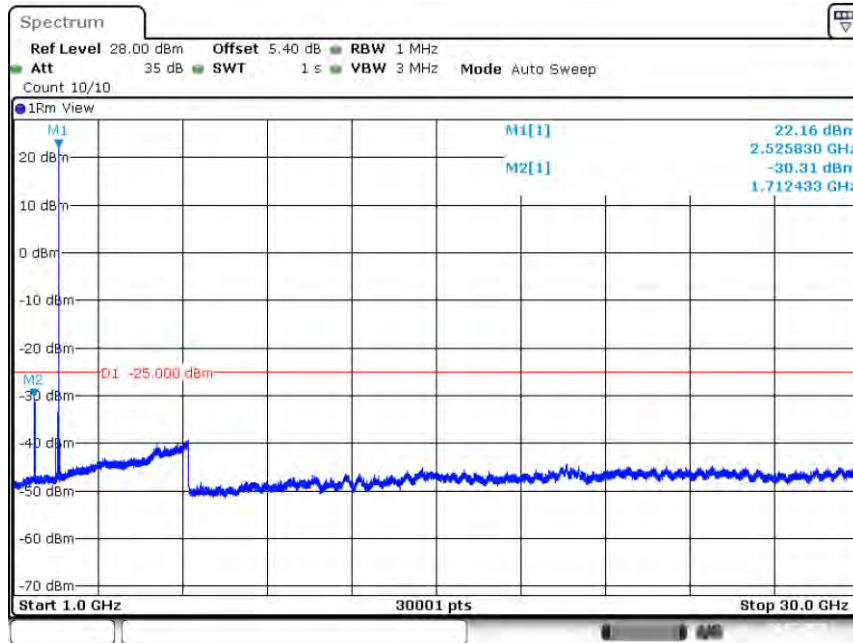


Date: 31 JUL 2020 19:12:16



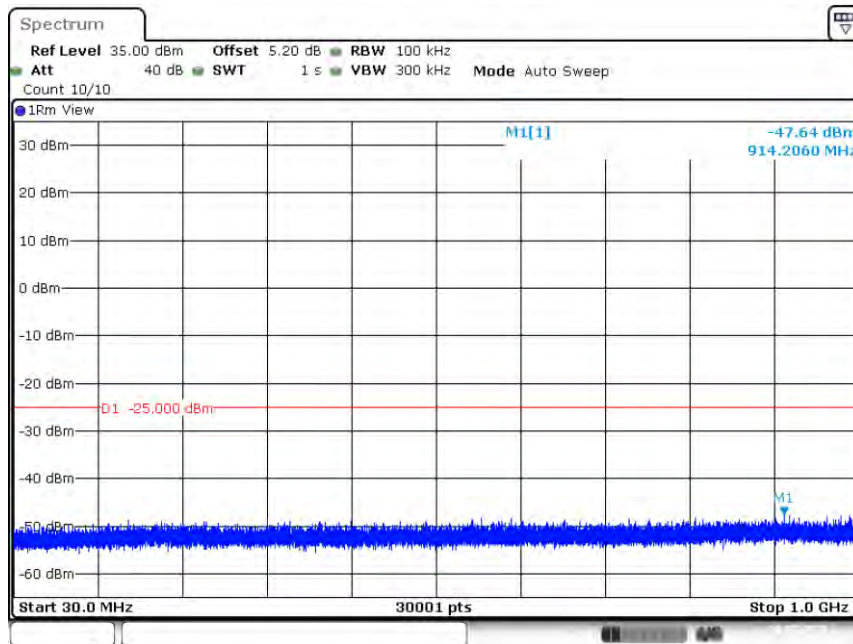
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:12:32

Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



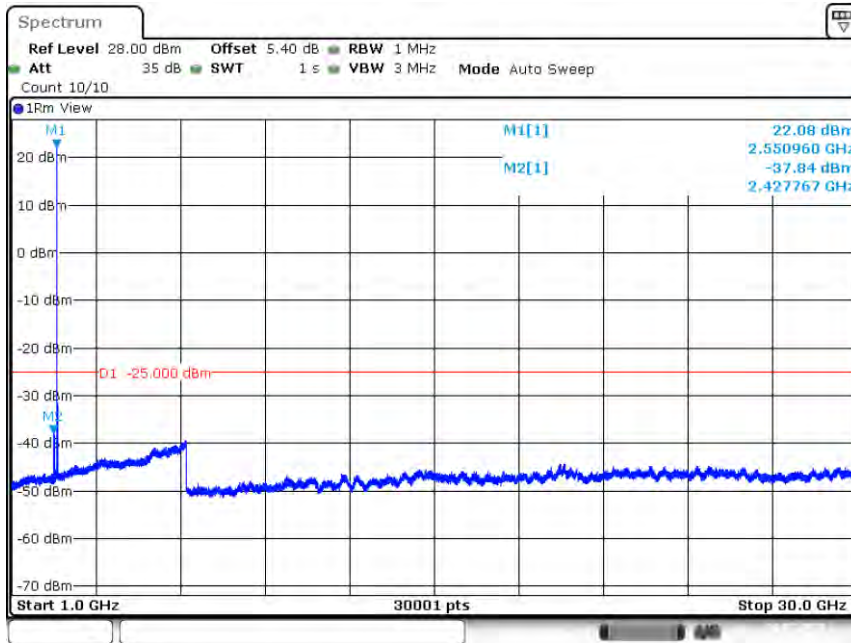
Date: 31 JUL 2020 19:13:28



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

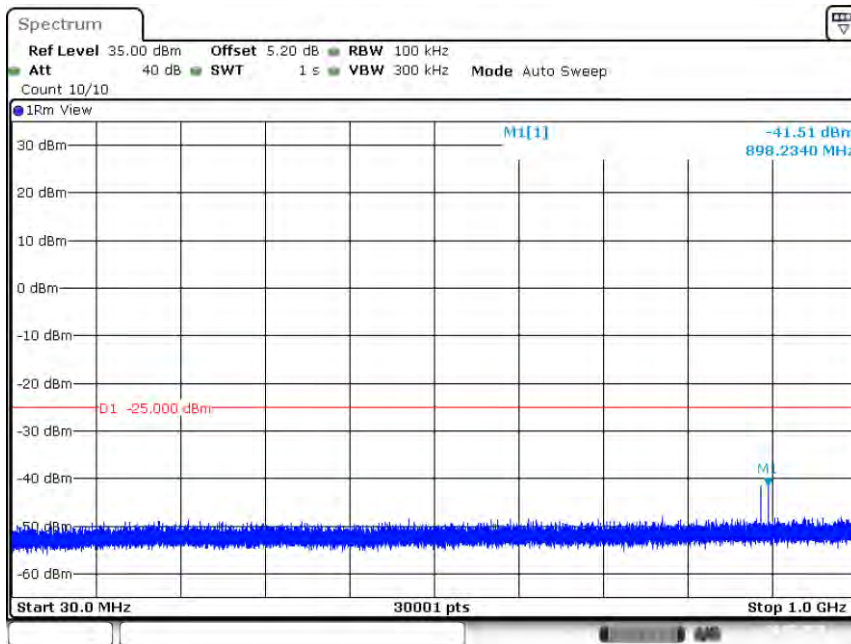
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:13:44

Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



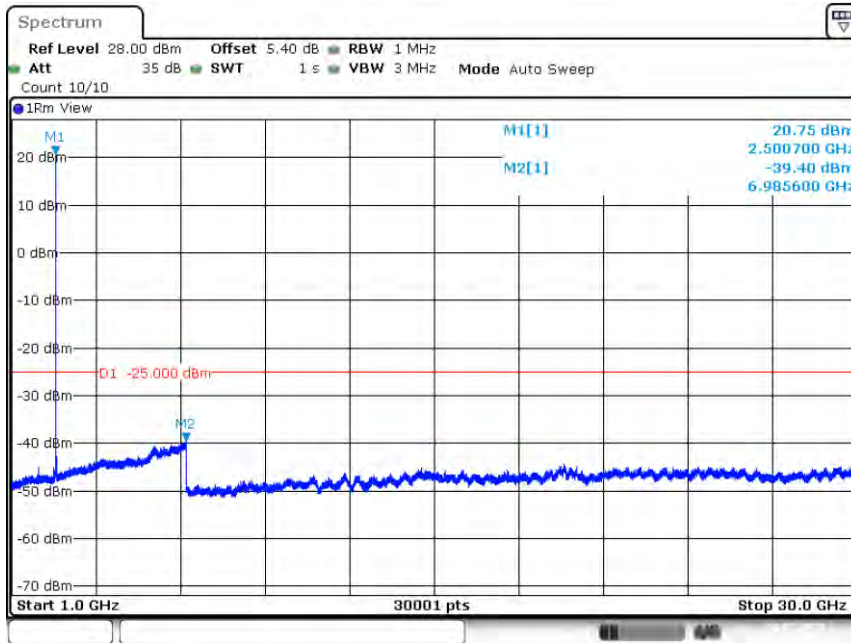
Date: 31 JUL 2020 19:25:54



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

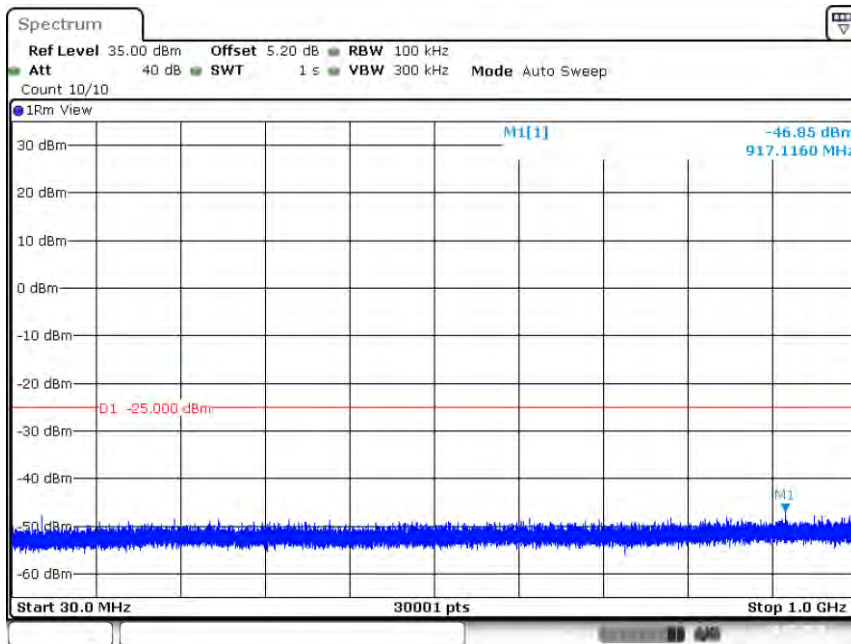
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:26:11

Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz

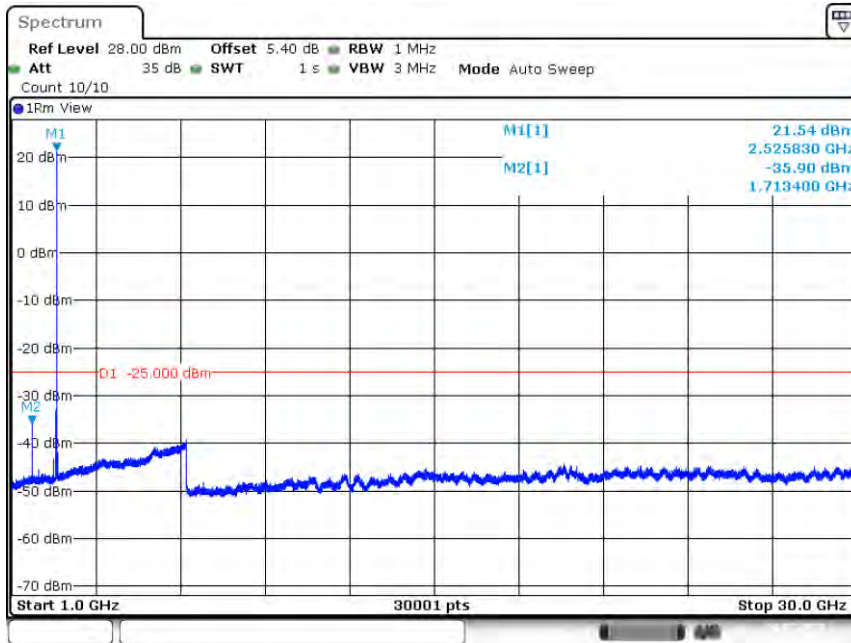


Date: 31 JUL 2020 19:26:30



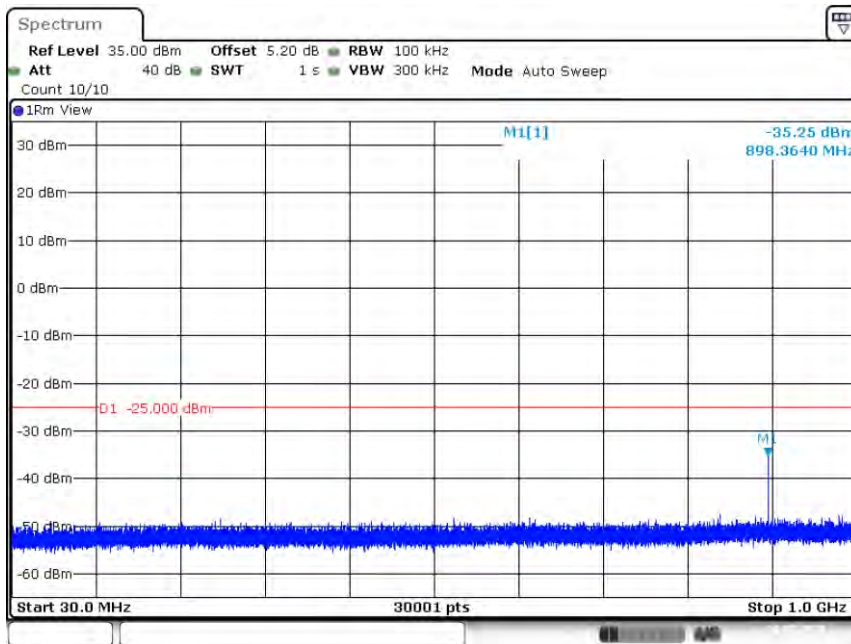
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:26:46

Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



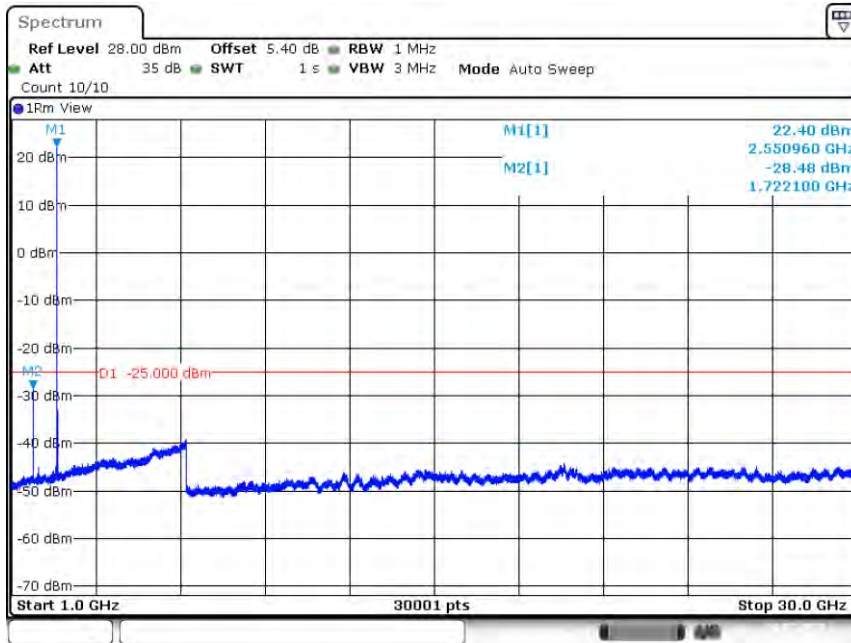
Date: 31 JUL 2020 19:27:05



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

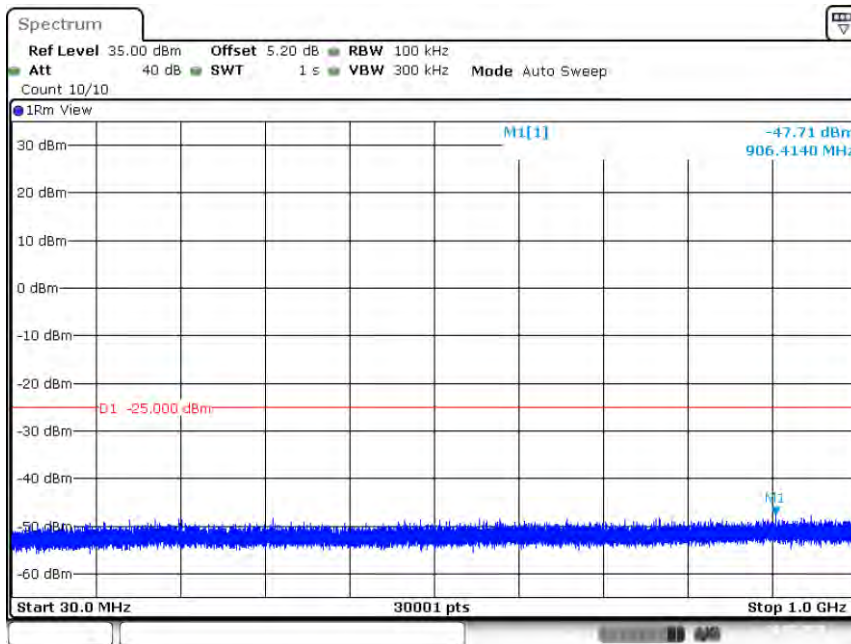
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:27:21

Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz

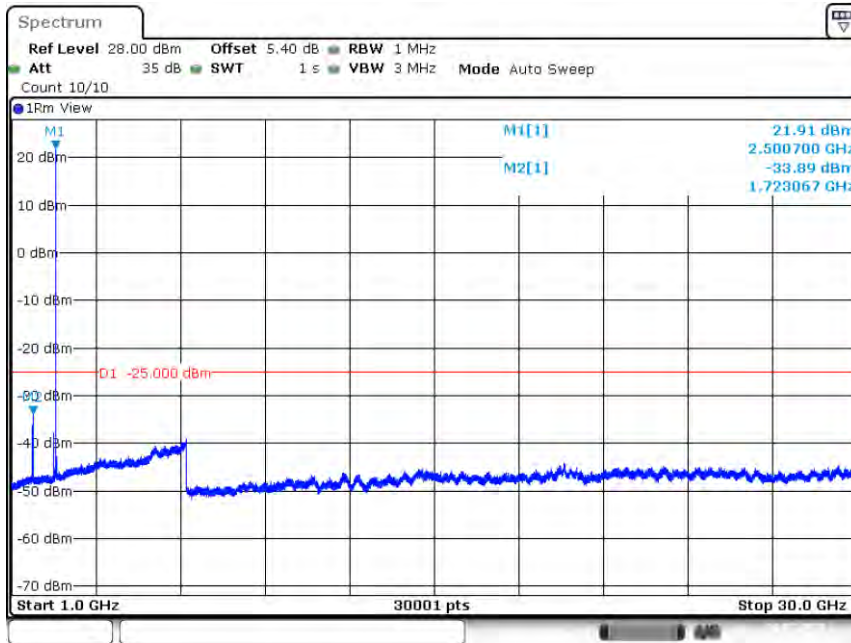


Date: 31 JUL 2020 19:11:40



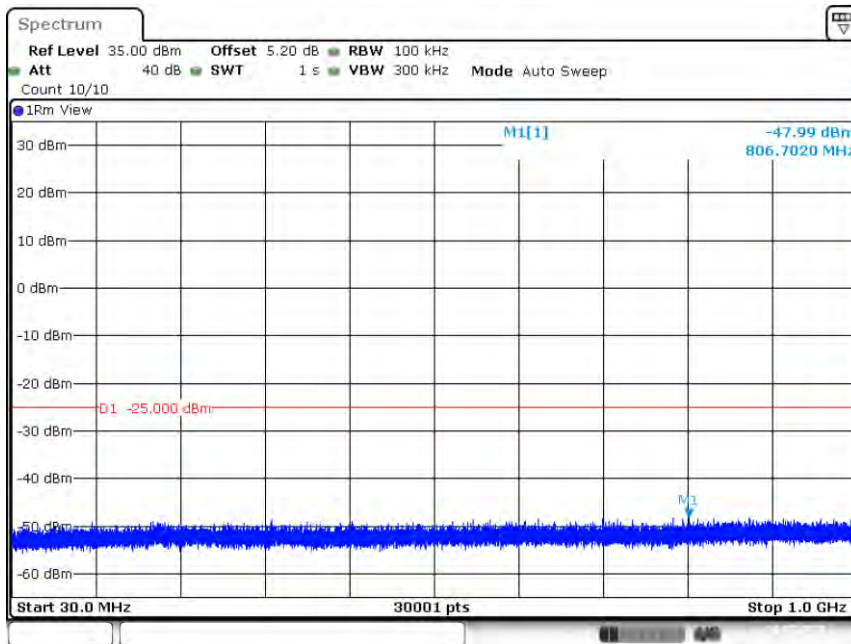
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:11:56

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz

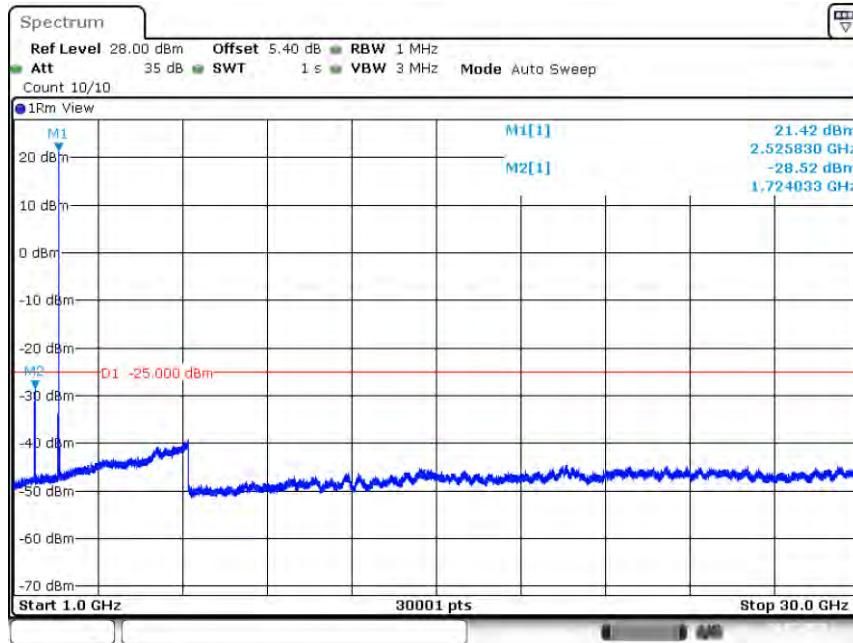


Date: 31 JUL 2020 19:12:51



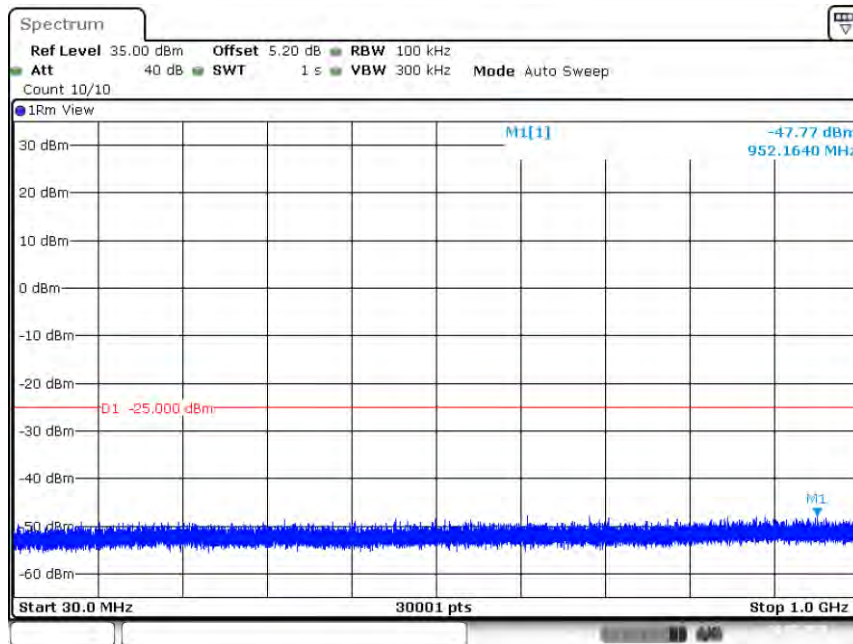
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:13:07

Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz

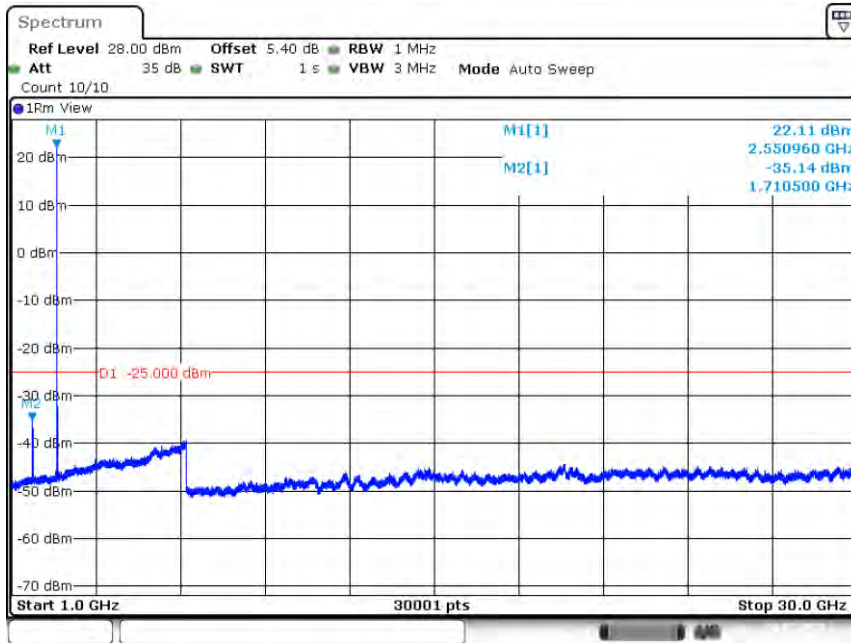


Date: 31 JUL 2020 19:14:03



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

Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 19:14:19



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

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.8674	-72.93	-25.00	47.93	Vertical
110.7080	-64.97	-25.00	39.97	Vertical
387.2204	-68.68	-25.00	43.68	Vertical
5002.2801	-57.78	-25.00	32.78	Vertical
7503.7802	-57.53	-25.00	32.53	Vertical
17998.8000	-42.13	-25.00	17.13	Vertical
45.1328	-65.43	-25.00	40.43	Horizontal
229.8785	-68.45	-25.00	43.45	Horizontal
573.5182	-64.92	-25.00	39.92	Horizontal
5002.2801	-59.15	-25.00	34.15	Horizontal
8021.6009	-57.96	-25.00	32.96	Horizontal
16403.9362	-45.77	-25.00	20.77	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.3824	-73.11	-25.00	48.11	Vertical
107.2644	-65.38	-25.00	40.38	Vertical
389.0150	-68.58	-25.00	43.58	Vertical
5052.0821	-57.09	-25.00	32.09	Vertical
7352.5741	-57.80	-25.00	32.80	Vertical
17990.3996	-42.21	-25.00	17.21	Vertical
45.7148	-64.34	-25.00	39.34	Horizontal
226.4833	-69.13	-25.00	44.13	Horizontal
621.7296	-64.31	-25.00	39.31	Horizontal
5052.0821	-58.40	-25.00	33.40	Horizontal
9324.8530	-54.49	-25.00	29.49	Horizontal
16403.3361	-45.37	-25.00	20.37	Horizontal



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

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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7704	-72.35	-25.00	47.35	Vertical
106.9733	-66.11	-25.00	41.11	Vertical
381.6911	-68.37	-25.00	43.37	Vertical
5102.4841	-62.28	-25.00	37.28	Vertical
7653.1861	-57.10	-25.00	32.10	Vertical
17995.7998	-41.90	-25.00	16.90	Vertical
42.5136	-64.62	-25.00	39.62	Horizontal
104.5967	-76.32	-25.00	51.32	Horizontal
249.9100	-69.26	-25.00	44.26	Horizontal
5101.8841	-63.29	-25.00	38.29	Horizontal
7477.3791	-58.14	-25.00	33.14	Horizontal
16393.1357	-45.62	-25.00	20.62	Horizontal

Remark:

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



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

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



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
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	3.40	0.001355	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.50	0.000598	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	4.20	0.001673	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	2.50	0.000977	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	1.30	0.000508	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	4.40	0.001719	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	1.60	0.000637	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	1.20	0.000478	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-1.10	-0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	3.70	0.001445	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	3.20	0.001275	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	1.10	0.000438	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	2.90	0.001155	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	1.70	0.000664	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	2.50	0.000977	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	2.80	0.001094	±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) 83071443, 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



8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	1.40	0.000558	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	2.40	0.000956	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	2.70	0.001076	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	4.80	0.001912	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	3.00	0.001195	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	1.40	0.000558	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	3.70	0.001474	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	3.90	0.001554	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-0.60	-0.000237	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-3.30	-0.001302	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	0.30	0.000118	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	3.30	0.001289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	2.20	0.000859	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	2.90	0.001133	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	2.10	0.000820	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	3.00	0.001172	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	0.70	0.000273	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	2.50	0.000977	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	4.40	0.001753	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	4.50	0.001793	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	2.40	0.000956	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	0.80	0.000319	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	1.90	0.000757	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	4.90	0.001952	±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) 83071443, 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



Band7	20MHz	64QAM	20850	100RB#0	NV	40	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	0.70	0.000279	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-1.90	-0.000750	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-1.90	-0.000750	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	2.60	0.001016	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-1.70	-0.000664	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	2.50	0.000977	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	0.90	0.000352	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	1.50	0.000586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-0.70	-0.000273	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	2.20	0.000859	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	2.40	0.000938	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-1.70	-0.000664	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	1.40	0.000558	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	0.30	0.000120	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	1.10	0.000438	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	0.60	0.000239	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	4.00	0.001594	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	3.70	0.001474	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	3.10	0.001235	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	1.60	0.000637	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	1.70	0.000677	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	0.50	0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-3.30	-0.001302	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-2.00	-0.000789	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-4.40	-0.001736	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-0.30	-0.000118	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-1.20	-0.000473	±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.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



Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	4.90	0.001914	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	2.30	0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	1.00	0.000391	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	2.50	0.000977	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	1.40	0.000547	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	1.30	0.000508	±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.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