



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

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 CHARACTERISTICS16

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 BANDWIDTH19

4.1. TEST RESULT 19

4.2. TEST PLOTS..... 20

5. BAND EDGE COMPLIANCE39

5.1. TEST RESULT 39

5.2. TEST PLOTS..... 40

6. SPURIOUS EMISSION AT ANTENNA TERMINAL65

6.1. TEST PLOTS..... 66

7. FIELD STRENGTH OF SPURIOUS RADIATION75

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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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#12	23.5	18.85	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.74	19.09	33	PASS
Band7	5MHz	QPSK	20775	1RB#0	23.54	18.89	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.67	18.02	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.79	18.14	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.66	18.01	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.69	18.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.66	19.01	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.69	19.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.63	18.98	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.76	18.11	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.83	18.18	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.65	18	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.77	18.12	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.63	18.98	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.74	19.09	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.51	18.86	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.79	18.14	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.87	18.22	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.8	18.15	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.76	18.11	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.62	16.97	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.51	16.86	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.48	16.83	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.67	16.02	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.77	16.12	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.52	15.87	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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	5MHz	64QAM	20775	25RB#0	20.46	15.81	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.65	17	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.32	16.67	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.45	16.8	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.58	15.93	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.77	16.12	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.37	15.72	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.5	15.85	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.68	17.03	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.49	16.84	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.48	16.83	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.59	15.94	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.78	16.13	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.53	15.88	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.57	15.92	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.84	18.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.73	18.08	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.58	17.93	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.05	17.4	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.77	17.12	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.71	17.06	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.65	17	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.74	18.09	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.2	18.55	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.77	18.12	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.1	17.45	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.88	17.23	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.76	17.11	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.74	17.09	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.8	18.15	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.08	18.43	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.96	18.31	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.02	17.37	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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	5MHz	16QAM	21425	12RB#13	21.85	17.2	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.72	17.07	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.68	17.03	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.72	19.07	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.77	19.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.58	18.93	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.84	18.19	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.73	18.08	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.8	18.15	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.81	18.16	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.68	19.03	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.95	19.3	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.74	19.09	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.82	18.17	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.79	18.14	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.75	18.1	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.86	18.21	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.79	19.14	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.94	19.29	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.77	19.12	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.79	18.14	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.91	18.26	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.94	18.29	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.87	18.22	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.62	16.97	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.5	16.85	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.46	16.81	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.63	15.98	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.76	16.11	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.54	15.89	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.49	15.84	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.67	17.02	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.58	16.93	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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	1RB#24	21.42	16.77	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.61	15.96	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.76	16.11	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.37	15.72	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.52	15.87	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.65	17	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.46	16.81	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.48	16.83	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.58	15.93	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.79	16.14	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.51	15.86	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.54	15.89	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.76	18.11	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.78	18.13	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.84	18.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.06	17.41	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.76	17.11	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.9	17.25	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.84	17.19	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.8	18.15	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.97	18.32	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.84	18.19	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.06	17.41	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.85	17.2	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.79	17.14	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.81	17.16	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.56	17.91	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.92	18.27	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.11	18.46	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.08	17.43	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.84	17.19	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.79	17.14	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.94	17.29	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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	15MHz	QPSK	20825	1RB#74	23.6	18.95	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.63	18.98	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.72	19.07	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.82	18.17	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.83	18.18	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.65	19	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.79	18.14	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.83	18.18	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.77	18.12	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.65	19	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.87	19.22	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.7	18.05	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.83	18.18	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.86	18.21	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.77	18.12	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.76	17.11	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.61	16.96	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.58	16.93	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.78	16.13	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.89	16.24	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.65	16	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.61	15.96	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.78	17.13	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.43	16.78	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.55	16.9	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.72	16.07	33	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.88	16.23	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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	15MHz	64QAM	21100	36RB#0	20.48	15.83	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.62	15.97	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.8	17.15	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.61	16.96	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.61	16.96	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.73	16.08	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.91	16.26	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.65	16	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.68	16.03	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.97	18.32	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	23	18.35	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.64	17.99	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	22.07	17.42	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.8	17.15	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.89	17.24	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.79	17.14	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.64	17.99	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.84	18.19	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.05	18.4	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	22.06	17.41	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.77	17.12	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.89	17.24	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.8	17.15	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.87	18.22	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.02	18.37	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.87	18.22	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	22.03	17.38	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.82	17.17	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.85	17.2	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.79	17.14	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.53	18.88	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.71	19.06	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.62	18.97	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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	50RB#0	22.69	18.04	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.78	18.13	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.88	18.23	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.33	18.68	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.69	19.04	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.64	18.99	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.69	18.04	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.68	18.03	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.54	18.89	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.82	19.17	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.59	18.94	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.66	18.01	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.84	18.19	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.8	18.15	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.8	18.15	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.9	17.25	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.71	17.06	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.68	17.03	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.92	16.27	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.99	16.34	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.79	16.14	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.73	16.08	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.93	17.28	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.55	16.9	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.69	17.04	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.82	16.17	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	21	16.35	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.61	15.96	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.75	16.1	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.95	17.3	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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated 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#99	21.72	17.07	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.74	17.09	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.85	16.2	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	21.03	16.38	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.77	16.12	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.81	16.16	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.45	17.8	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.92	18.27	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.1	18.45	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.03	17.38	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.84	17.19	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.81	17.16	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.82	17.17	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.31	17.66	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.02	18.37	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.54	17.89	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.06	17.41	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.7	17.05	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.81	17.16	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.73	17.08	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.92	18.27	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.94	18.29	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.99	18.34	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.05	17.4	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.84	17.19	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.87	17.22	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.76	17.11	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

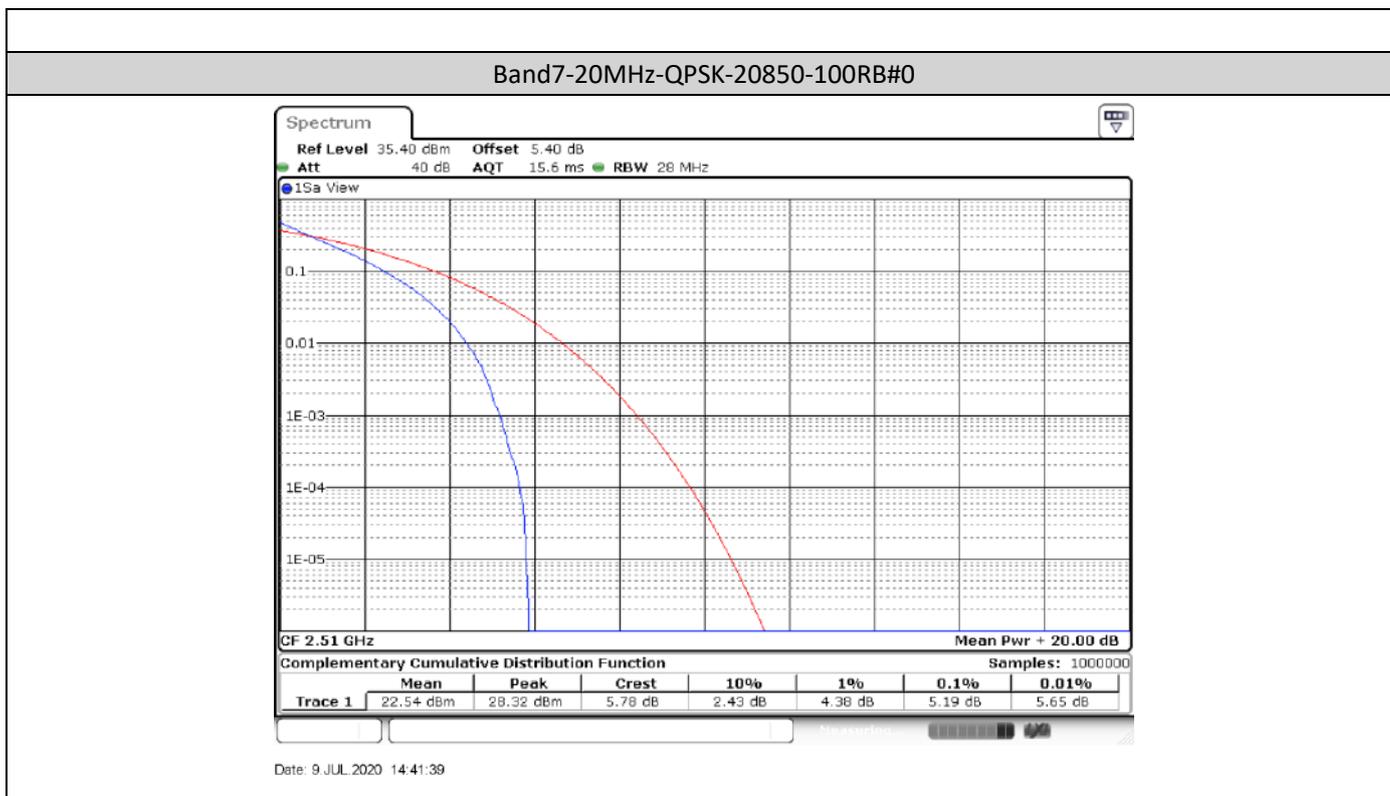


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.04	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.35	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.94	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.80	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.83	13	PASS

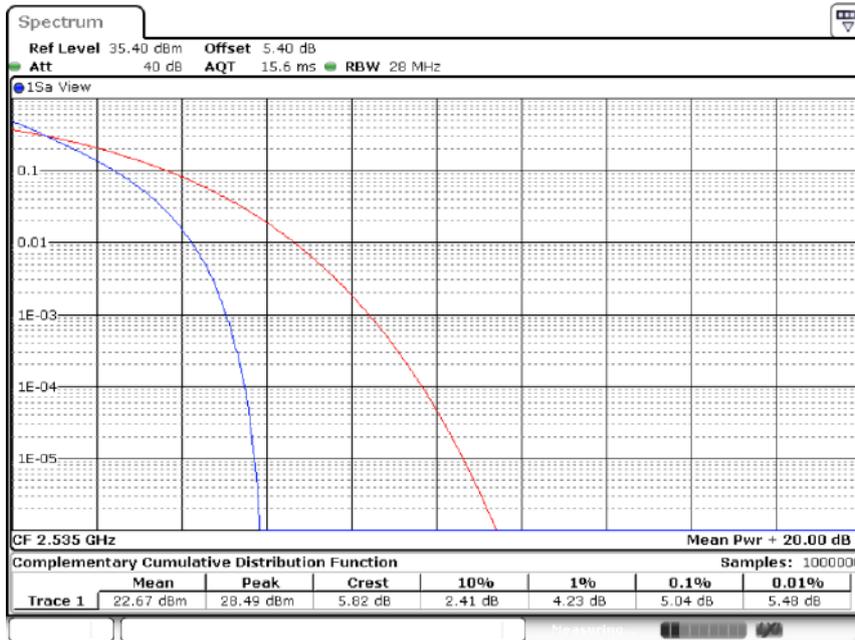
2.2. Test Plots



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.

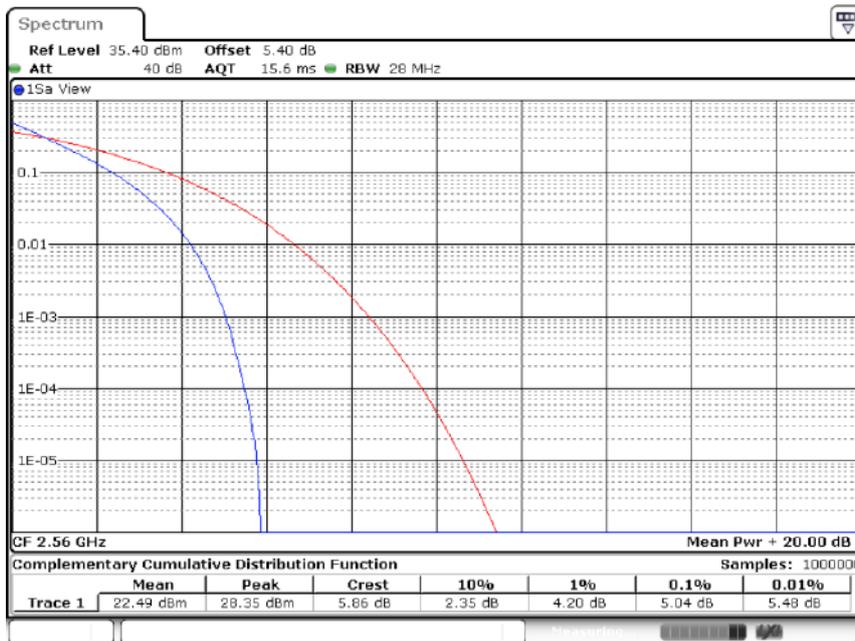
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 9 JUL 2020 14:42:01

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

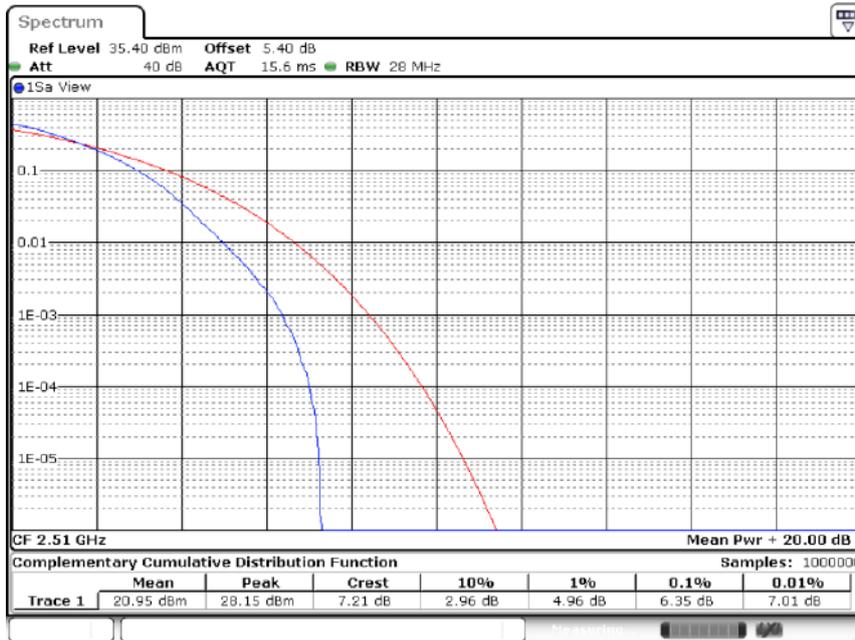


Date: 9 JUL 2020 14:42:24



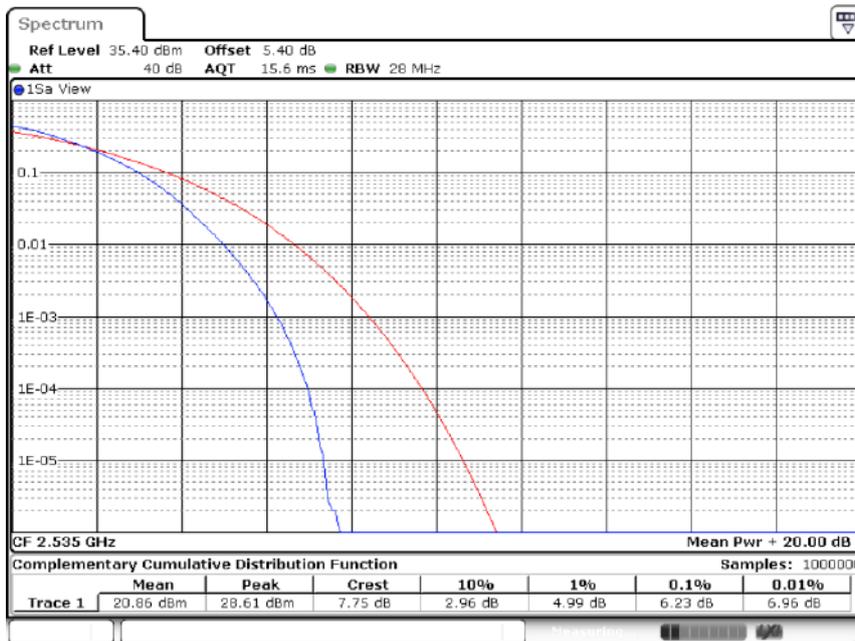
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 08:27:03

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

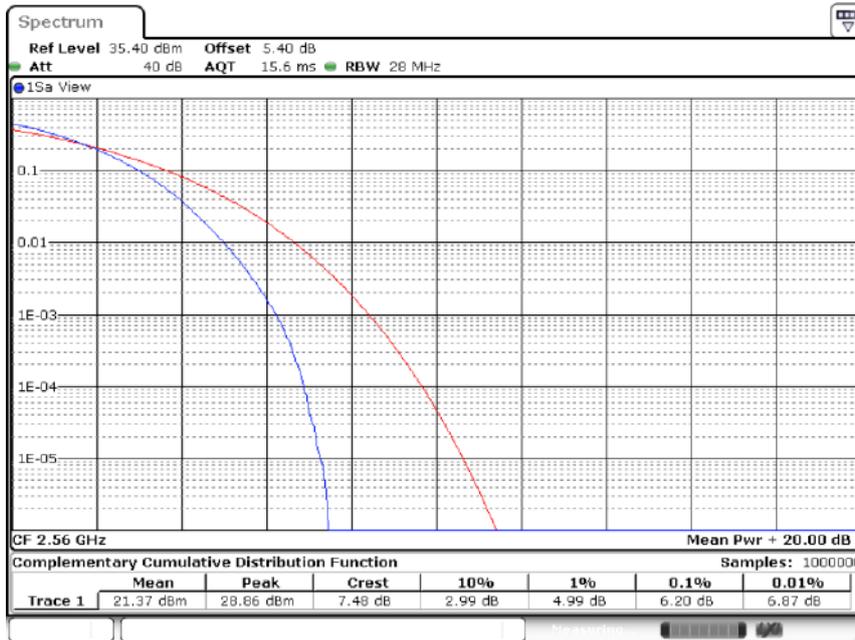


Date: 14 JUL 2020 08:27:14



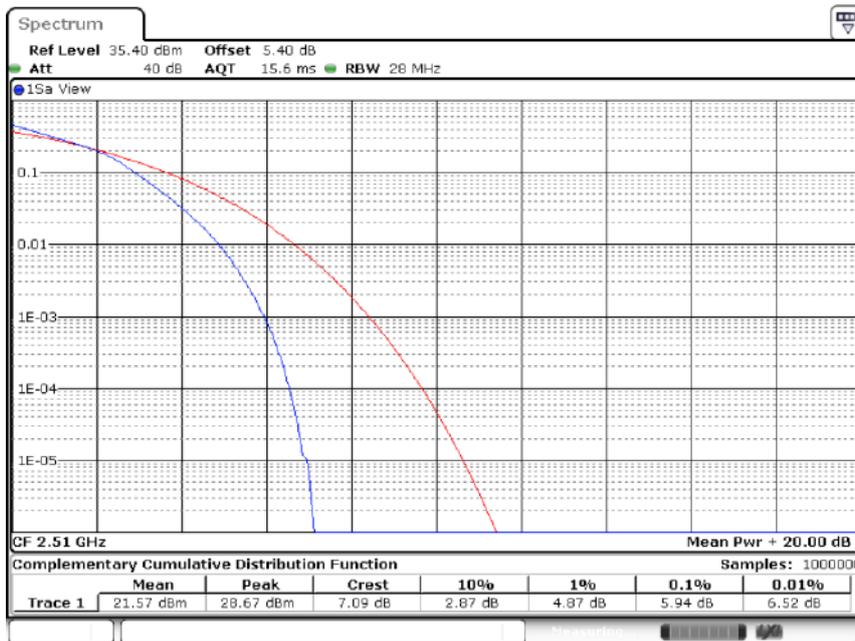
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 08:27:26

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

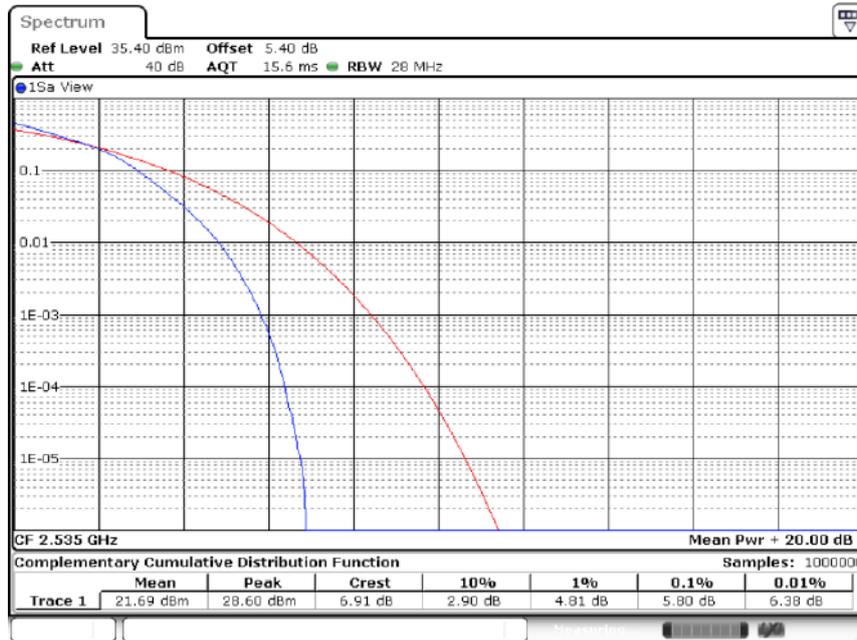


Date: 9 JUL 2020 14:41:50



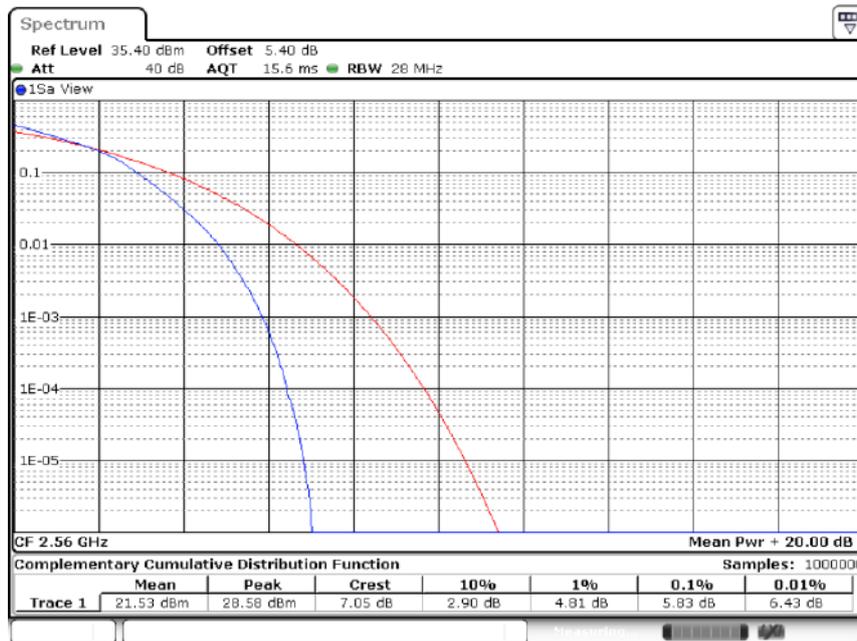
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:42:12

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



Date: 9 JUL 2020 14:42:35

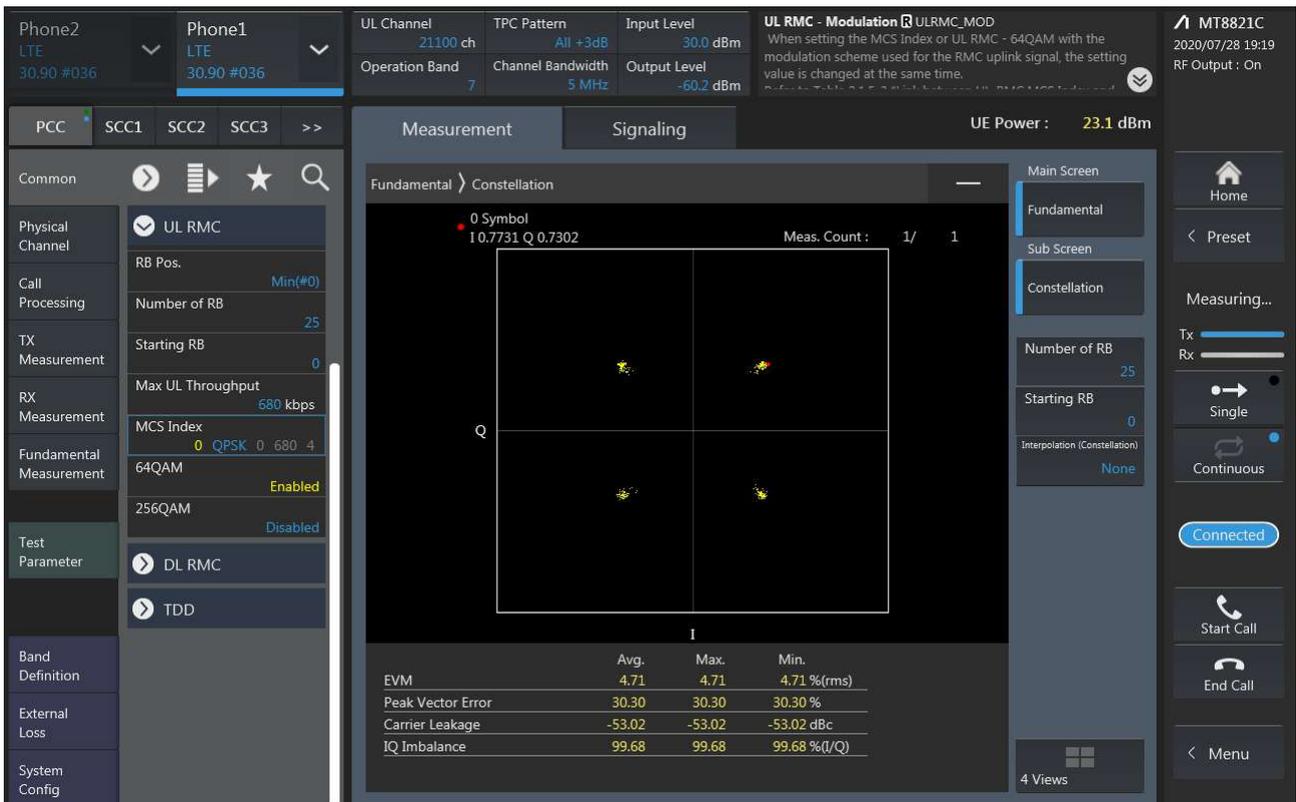


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



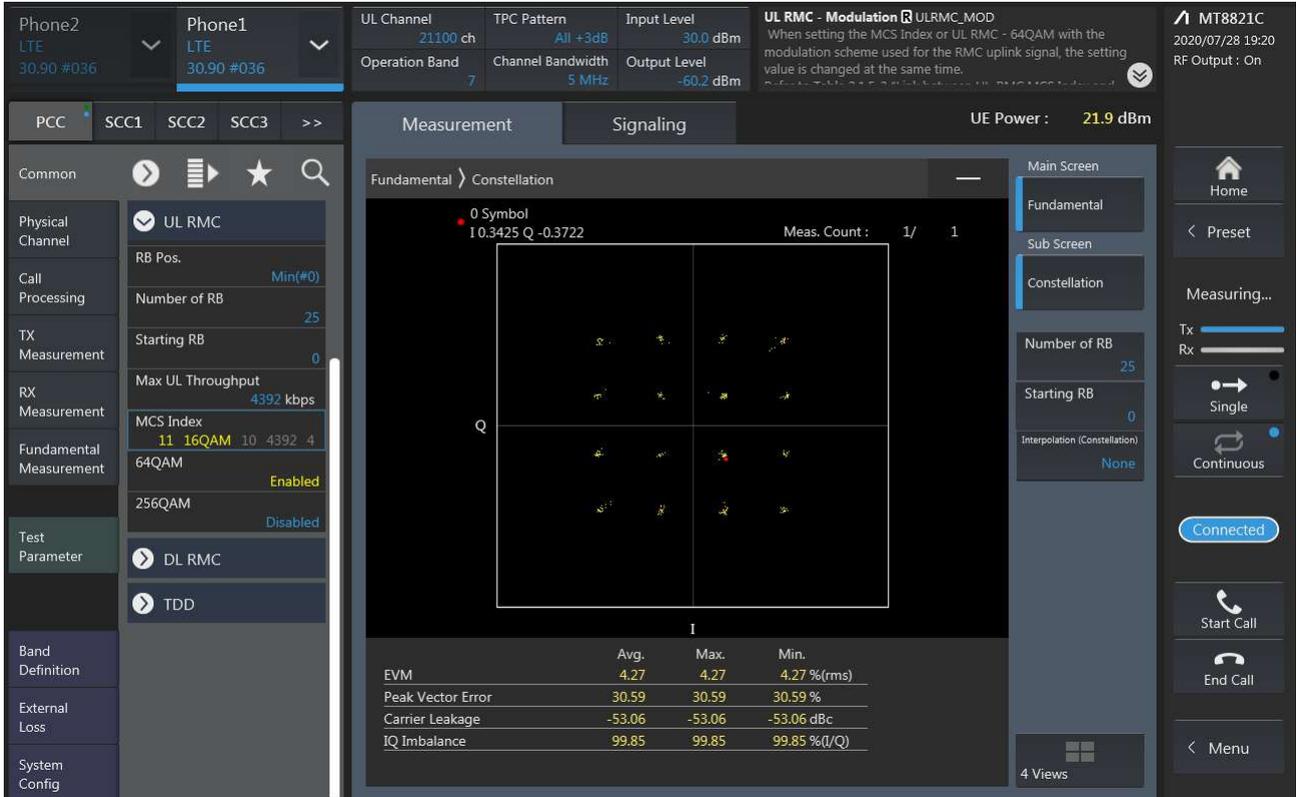
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

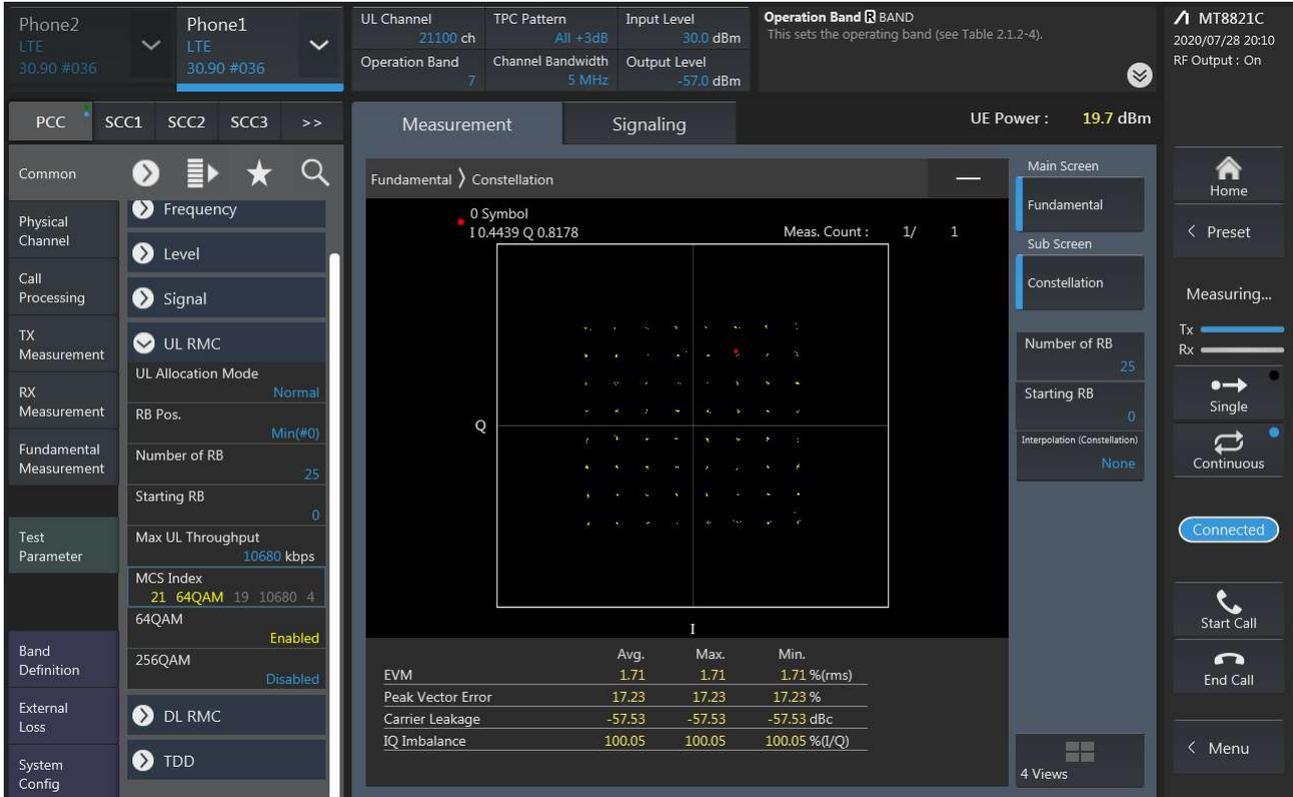


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.900	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.840	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.840	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.820	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.810	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.466	4.810	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.830	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.860	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.870	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.600	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.600	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.640	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.600	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.580	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.560	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.680	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.620	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.640	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.700	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	15.760	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.730	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.397	14.790	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.670	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.790	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.240	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.320	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.320	PASS



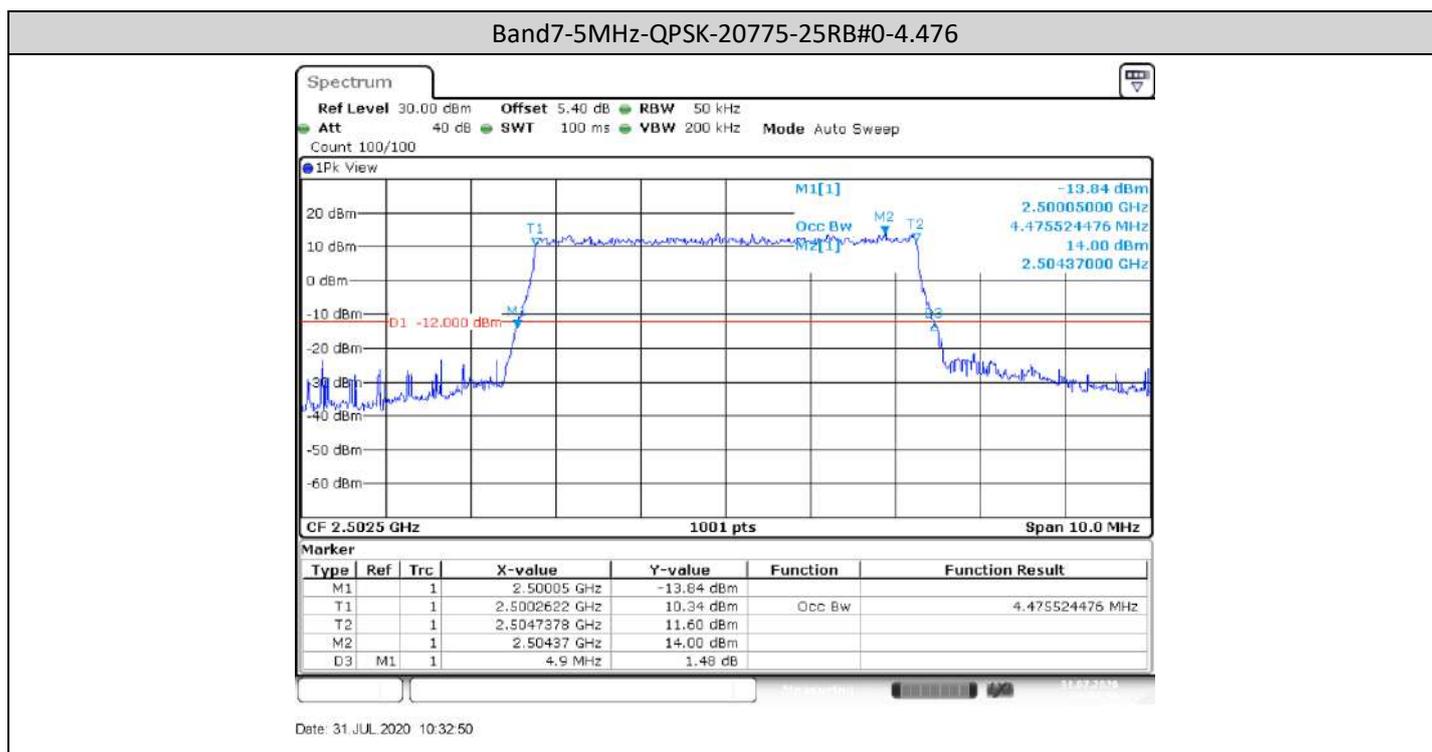
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band7	20MHz	64QAM	21100	100RB#0	17.862	19.200	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.320	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.280	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.280	PASS

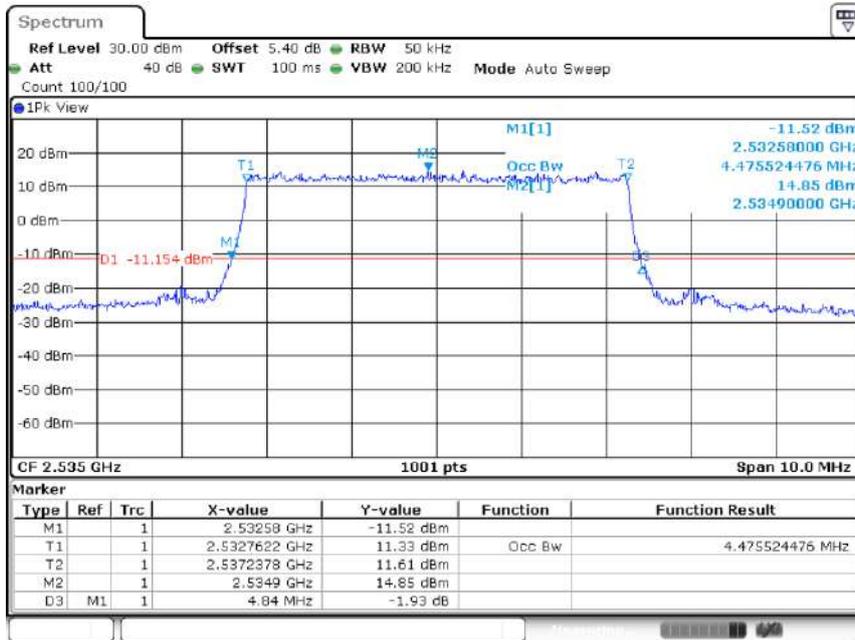
4.2. Test Plots



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.

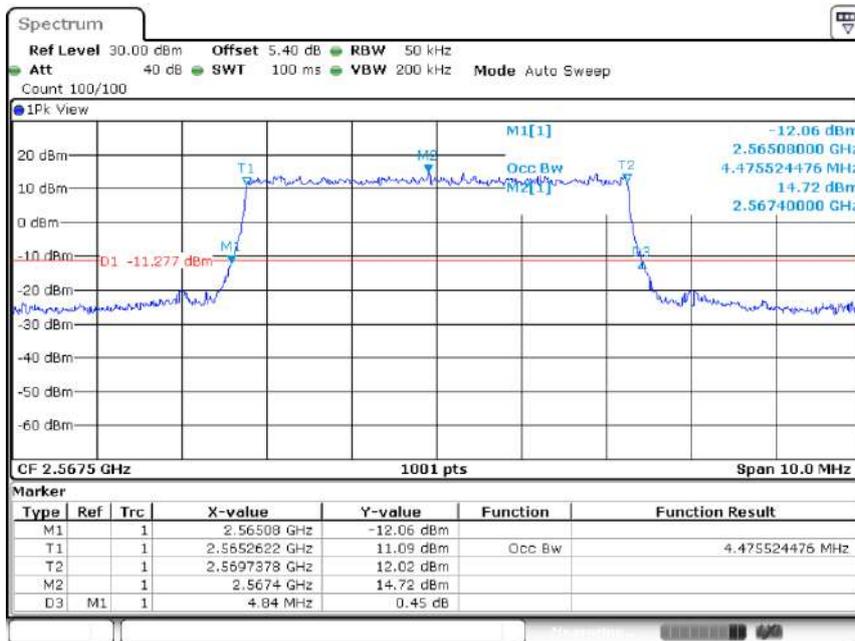
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 9 JUL 2020 14:20:31

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

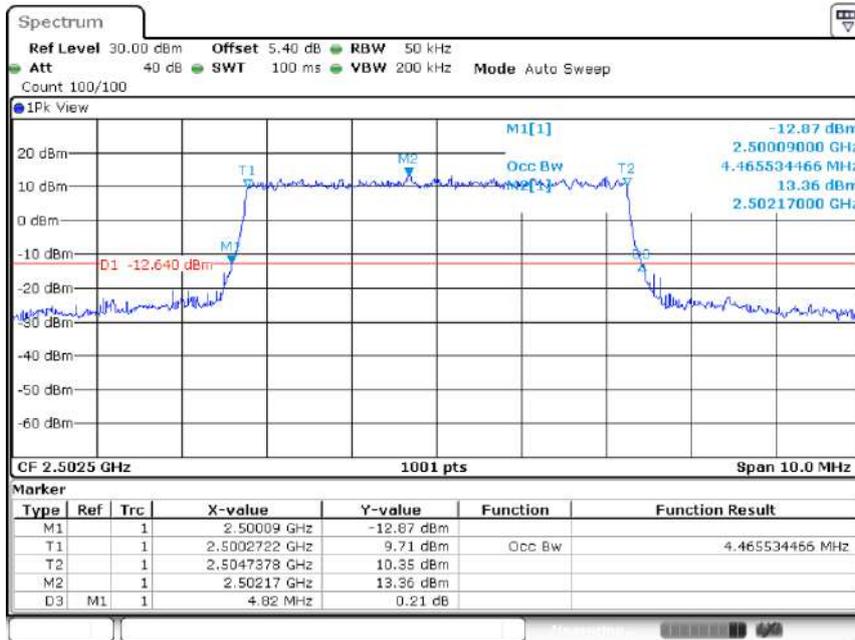


Date: 9 JUL 2020 14:21:10



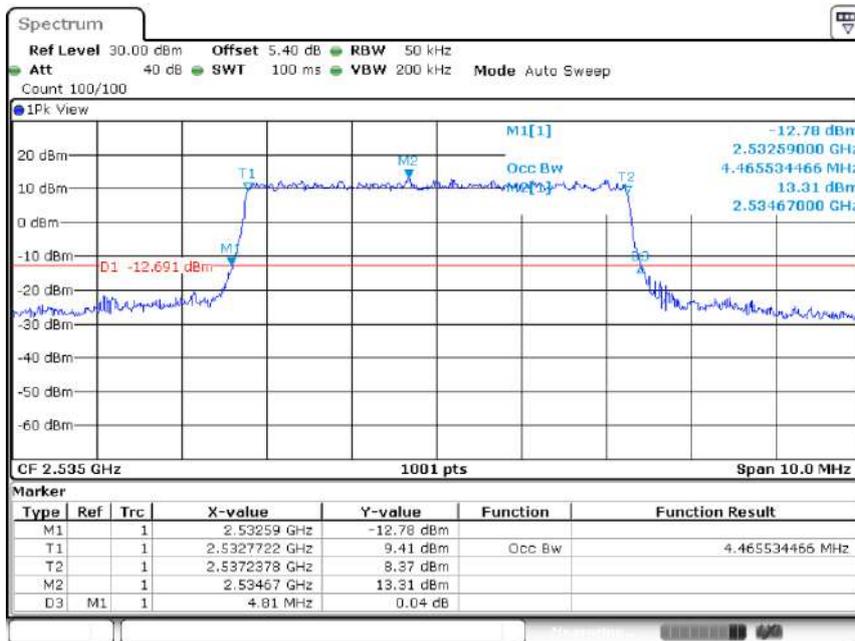
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 07:54:07

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



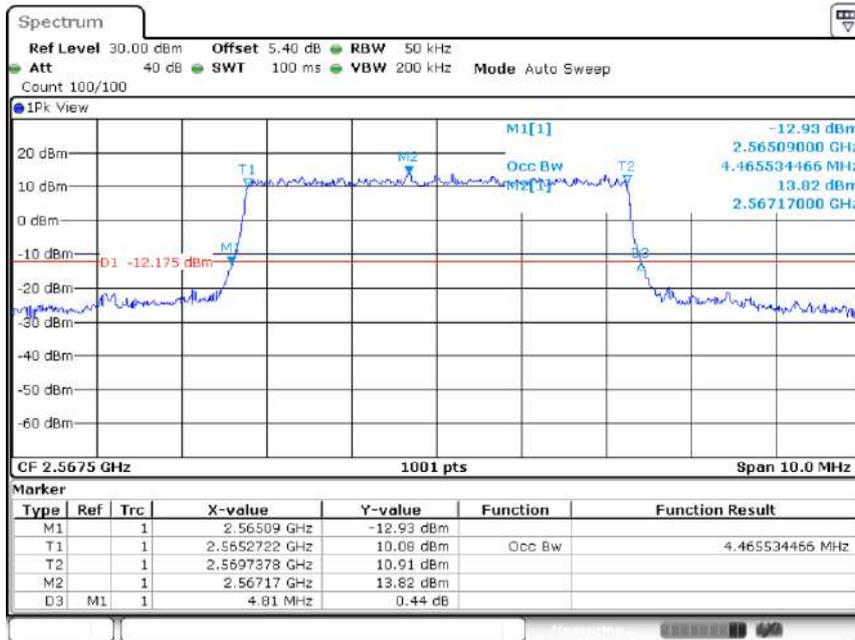
Date: 14 JUL 2020 07:54:26



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

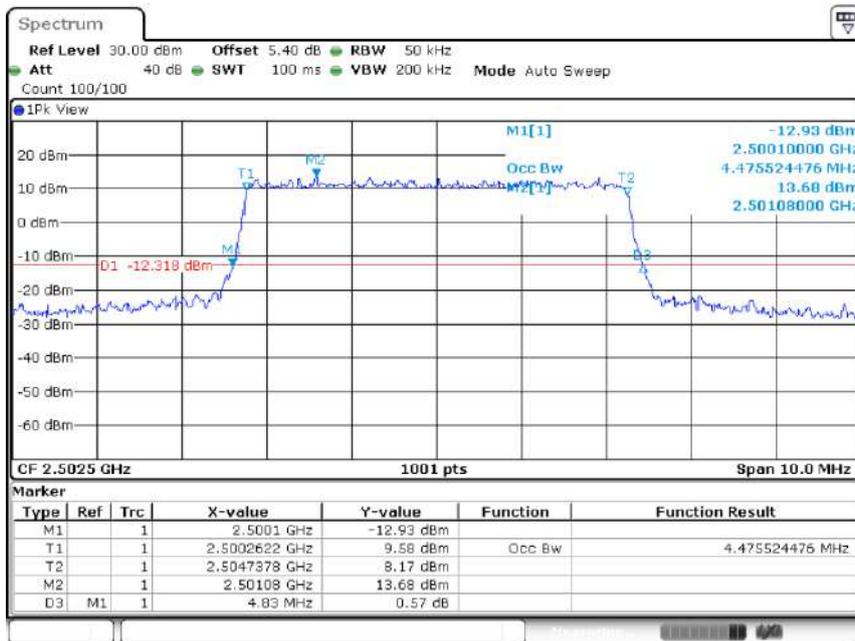
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755)26012053 f (86-755)26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

Band7-5MHz-64QAM-21425-25RB#0-4.466



Date: 14 JUL 2020 07:54:46

Band7-5MHz-16QAM-20775-25RB#0-4.476

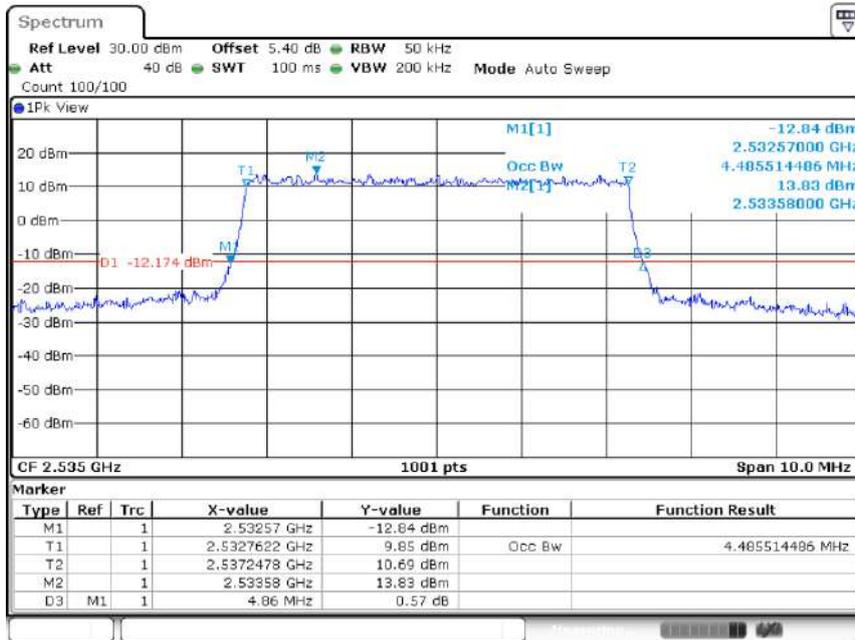


Date: 9 JUL 2020 14:20:11



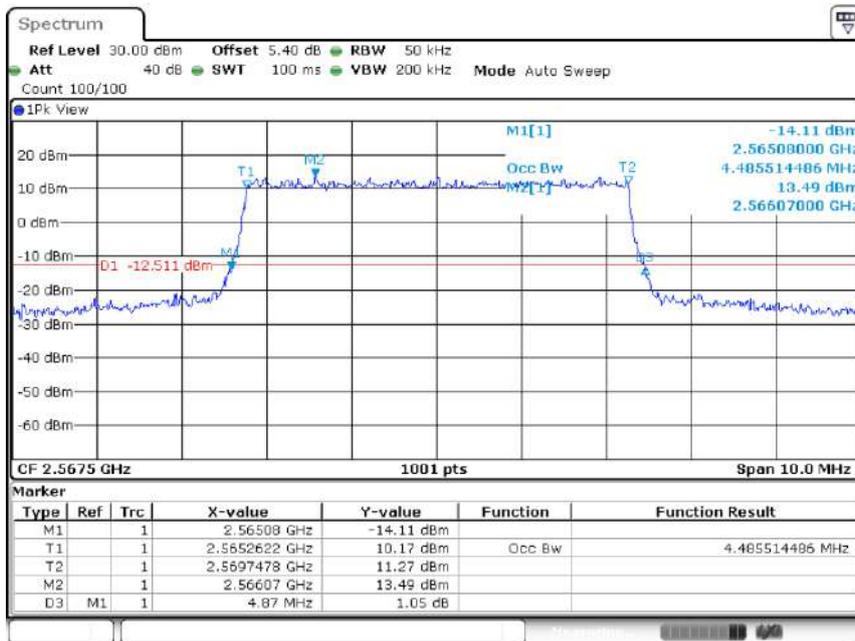
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:20:50

Band7-5MHz-16QAM-21425-25RB#0-4.486

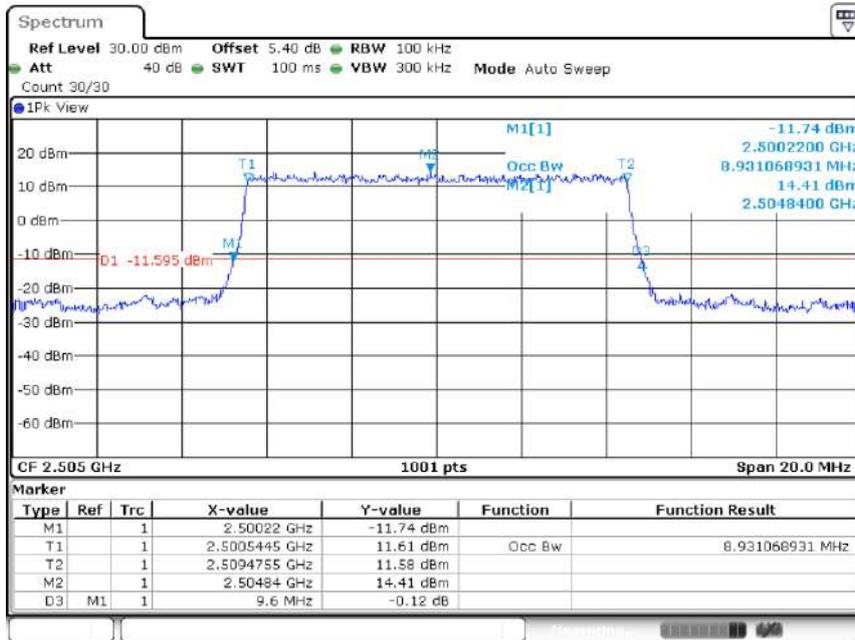


Date: 9 JUL 2020 14:21:30



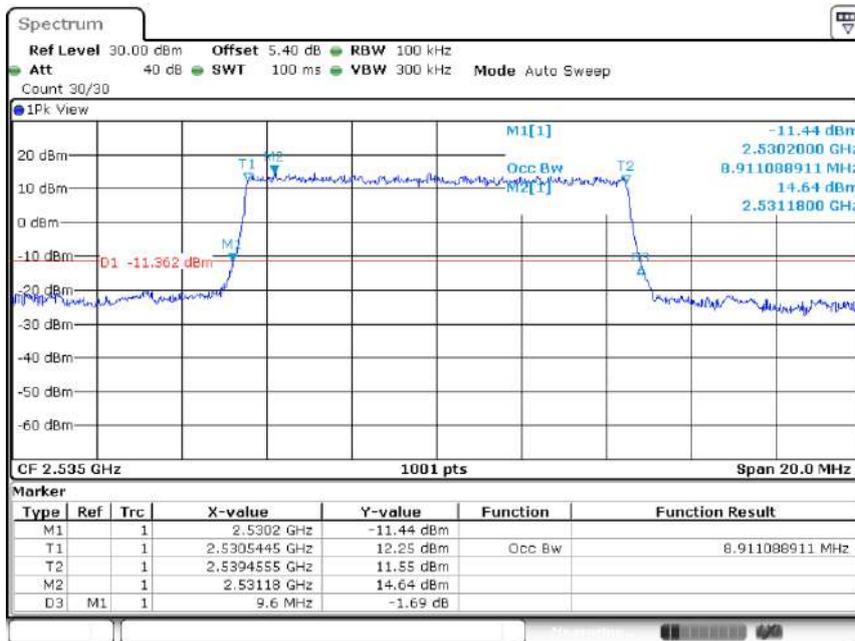
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 9 JUL 2020 14:21:47

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

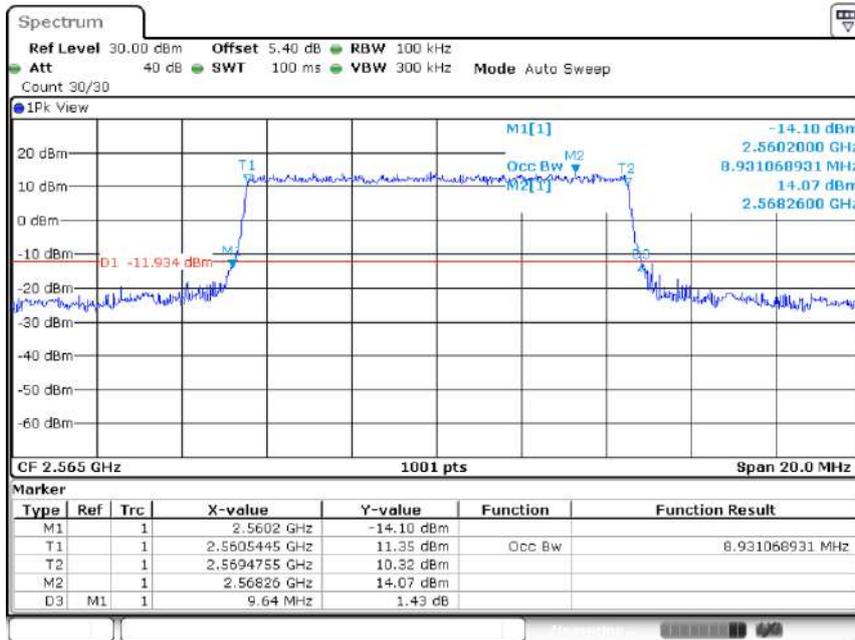


Date: 9 JUL 2020 14:22:13



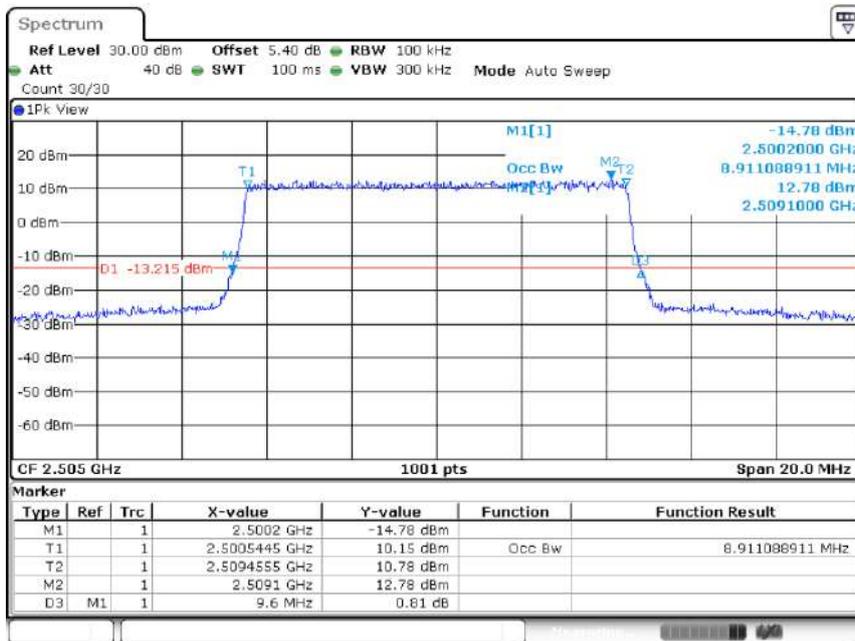
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:22:38

Band7-10MHz-64QAM-20800-50RB#0-8.911

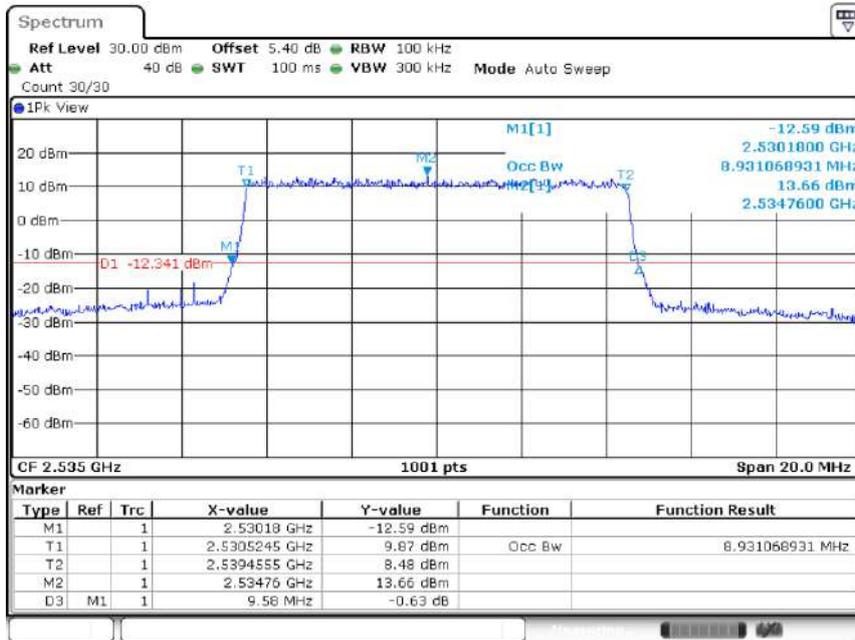


Date: 14 JUL 2020 07:55:04



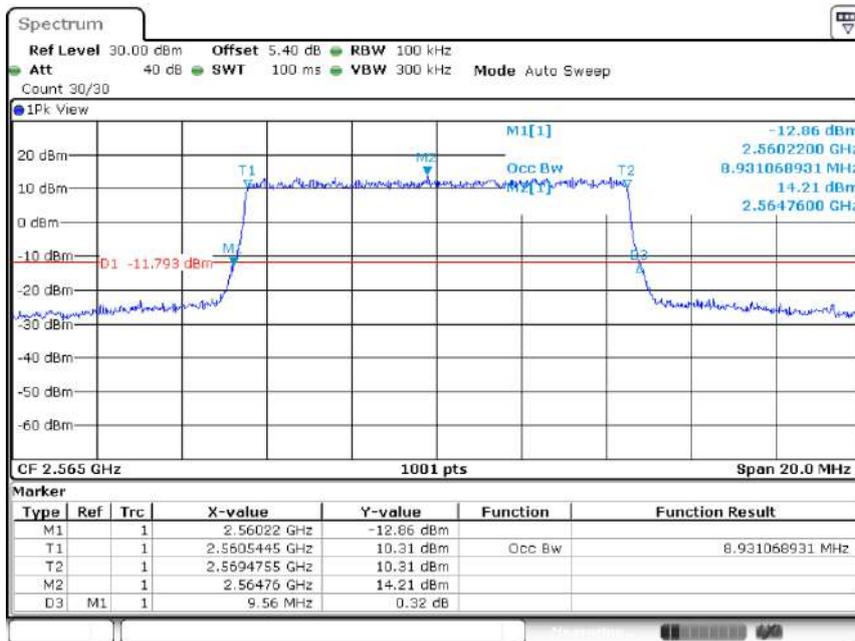
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-10MHz-64QAM-21100-50RB#0-8.931



Date: 14.JUL.2020 07:55:17

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



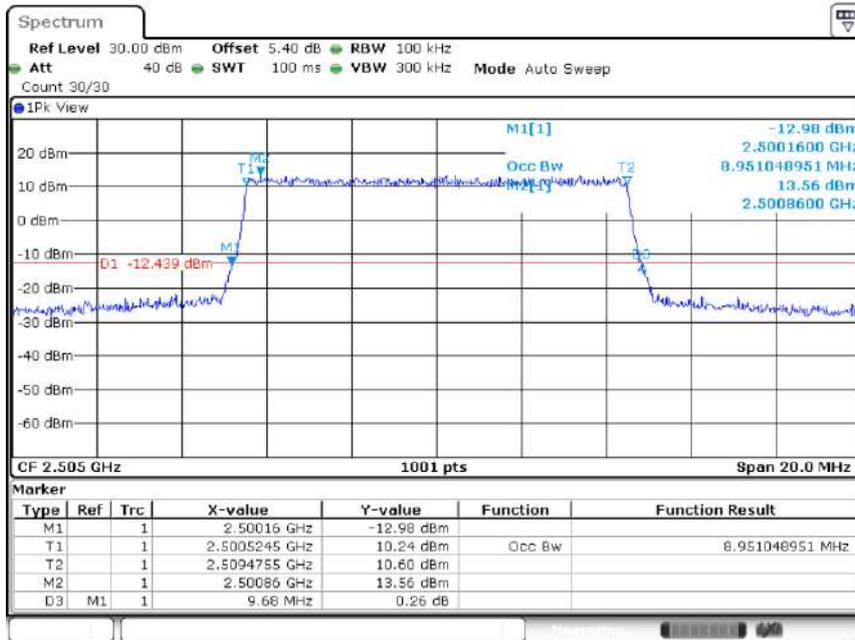
Date: 14.JUL.2020 07:55:29



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

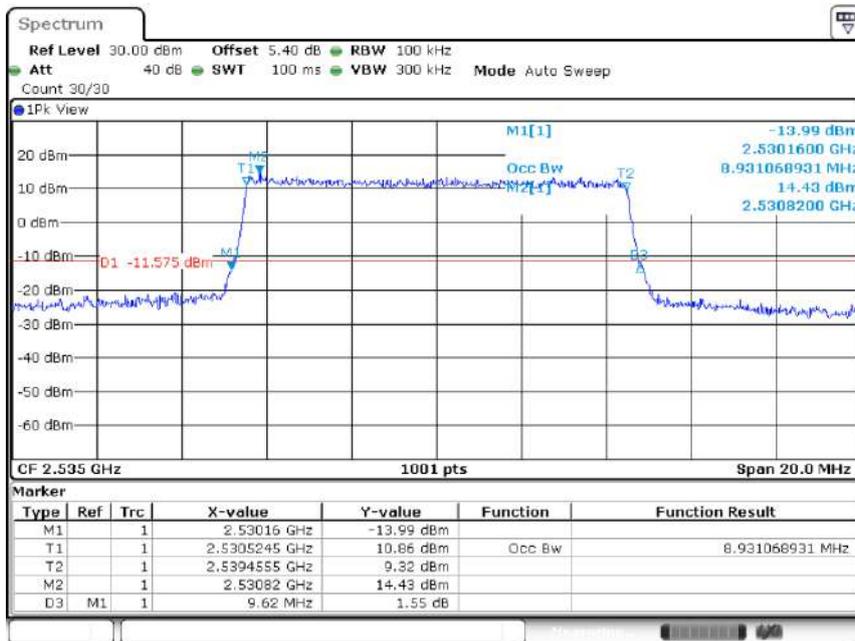
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755)26012053 f (86-755)26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

Band7-10MHz-16QAM-20800-50RB#0-8.951



Date: 9 JUL 2020 14:22:00

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

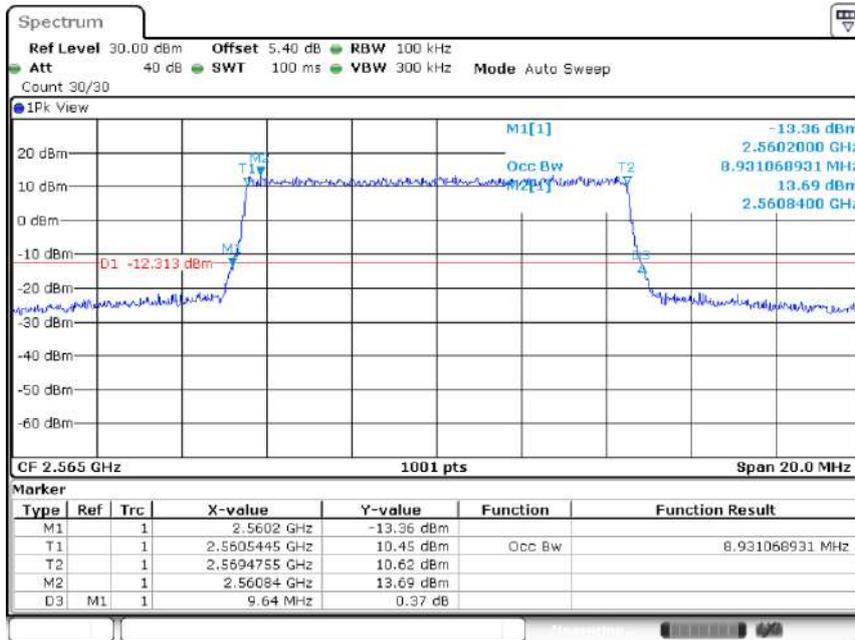


Date: 9 JUL 2020 14:22:25



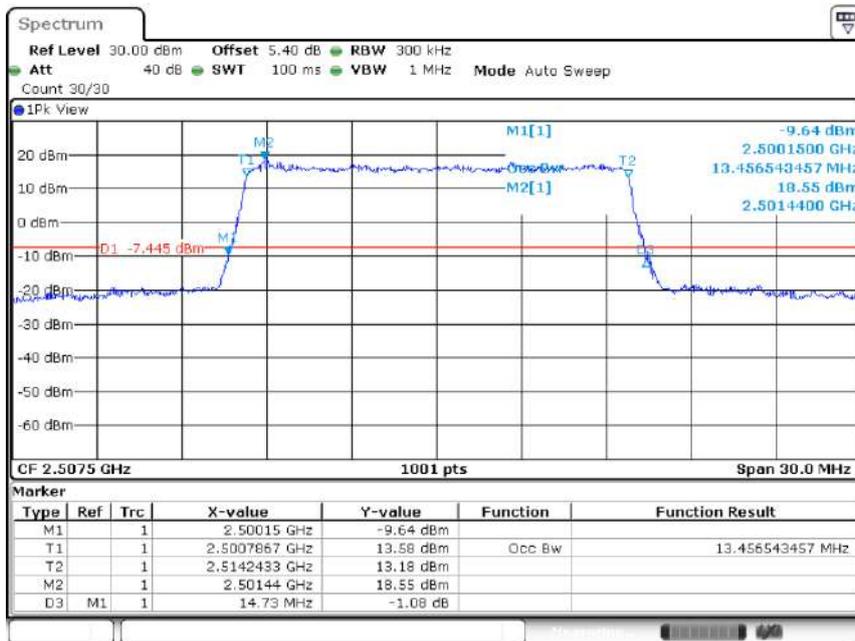
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:22:51

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

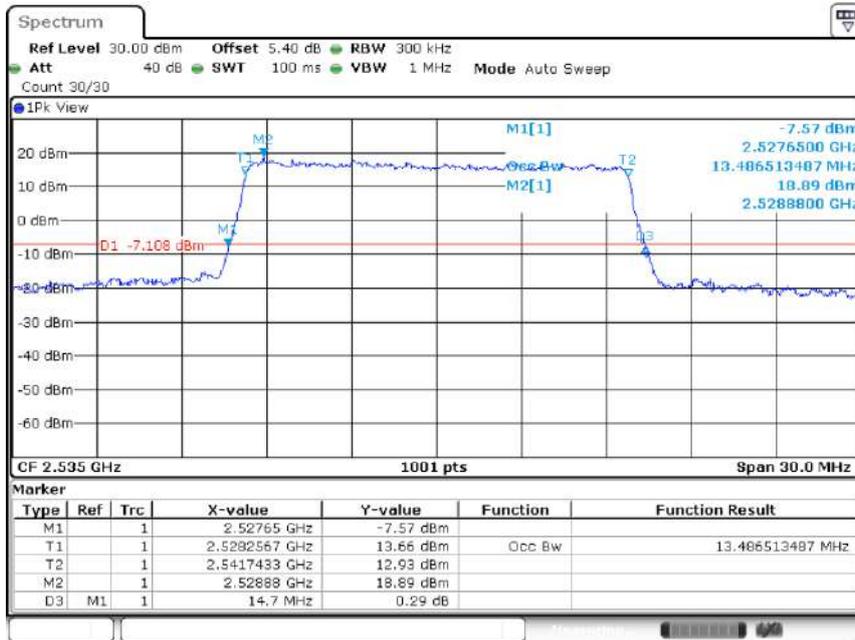


Date: 9 JUL 2020 14:23:08



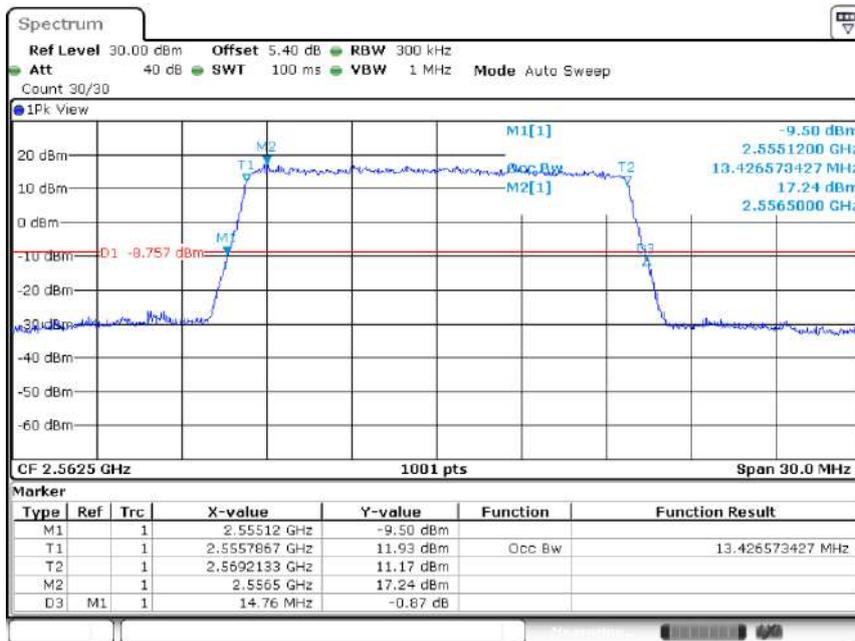
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:23:34

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

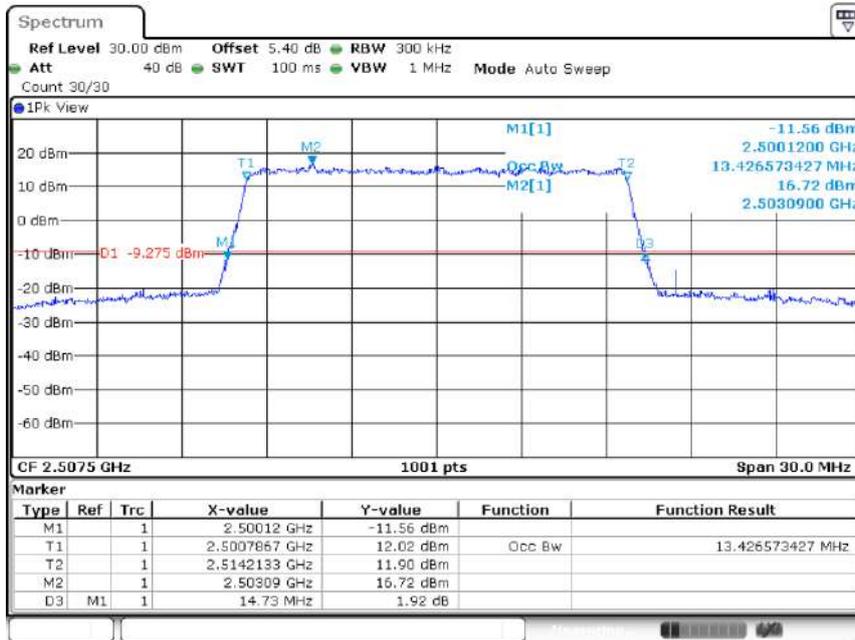


Date: 27 JUN 2020 14:05:56



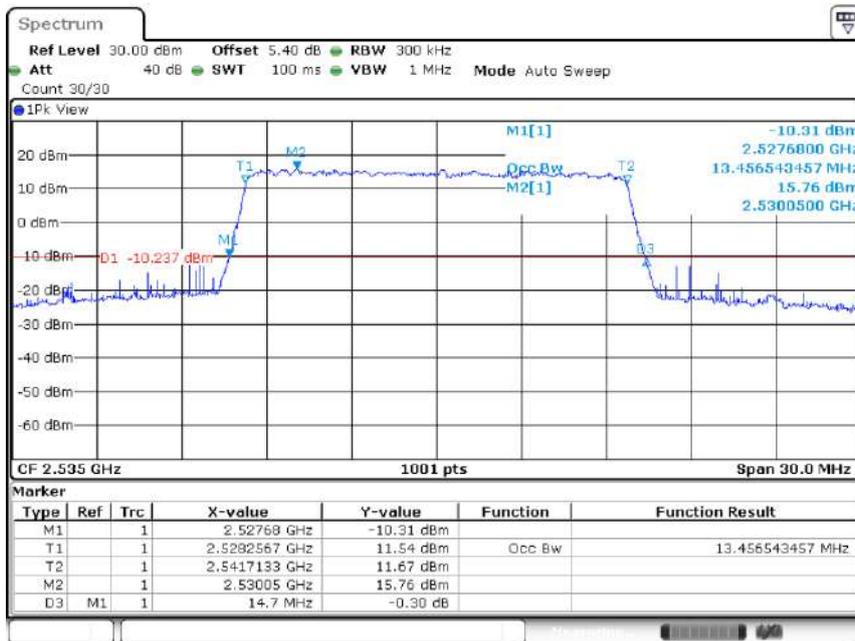
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 14.JUL.2020 07:55:47

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

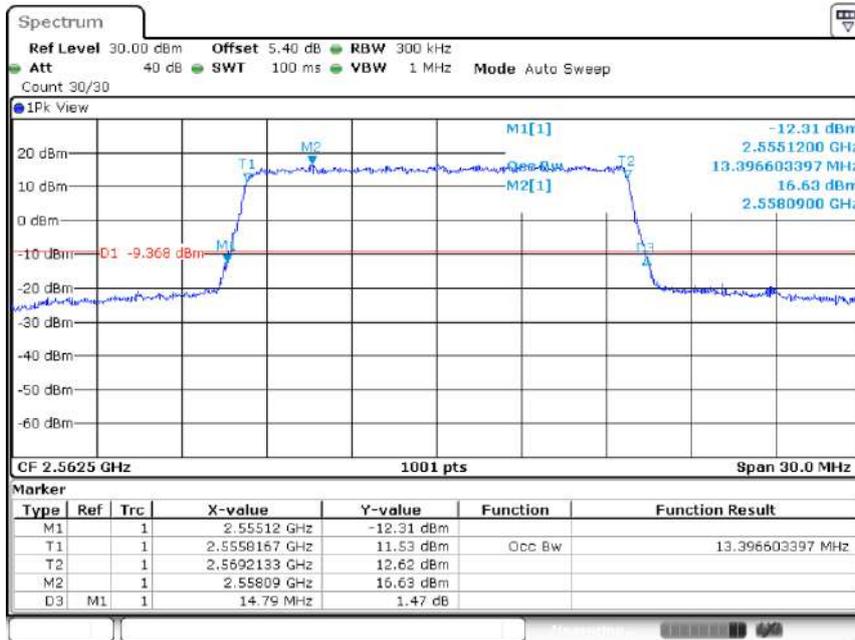


Date: 14.JUL.2020 07:56:00



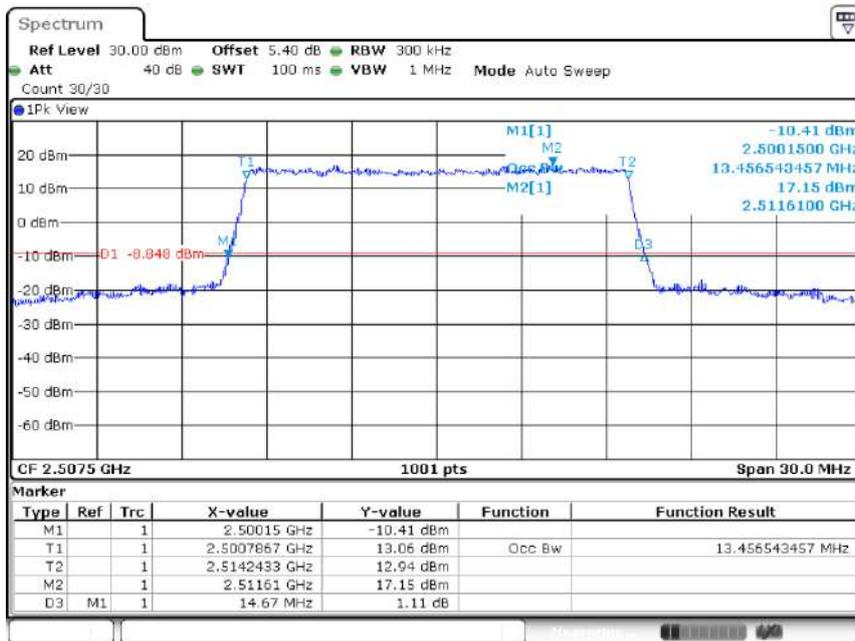
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-64QAM-21375-75RB#0-13.397



Date: 14 JUL 2020 07:56:13

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

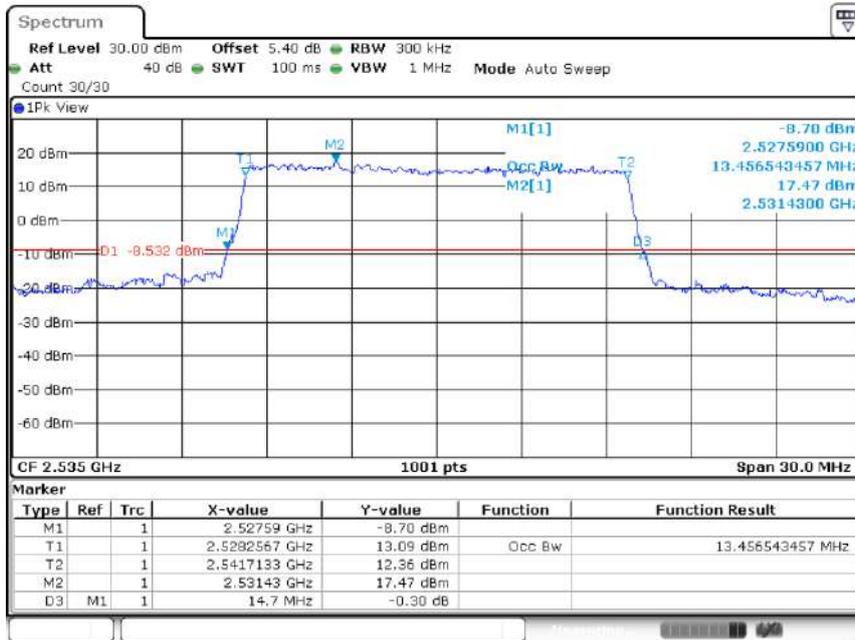


Date: 9 JUL 2020 14:23:21



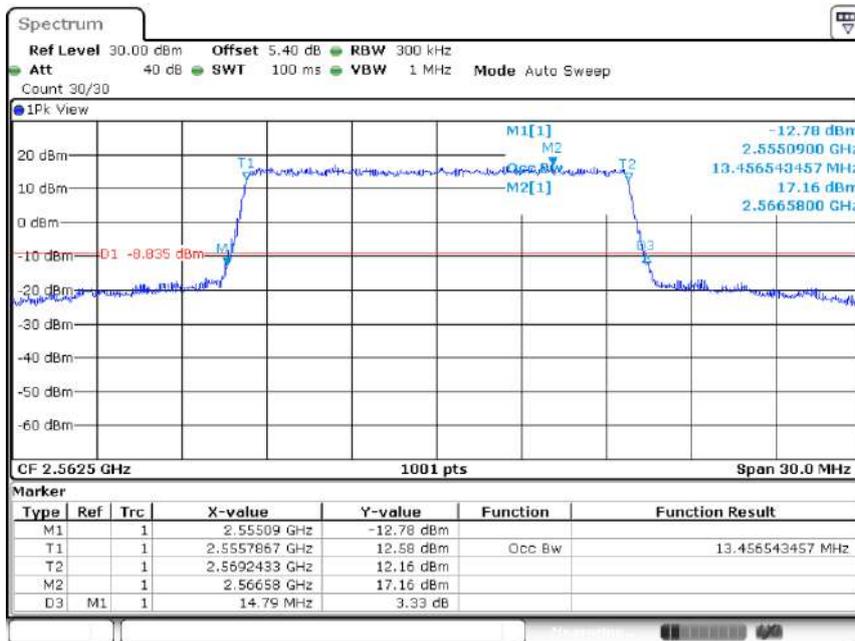
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 9 JUL 2020 14:23:46

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



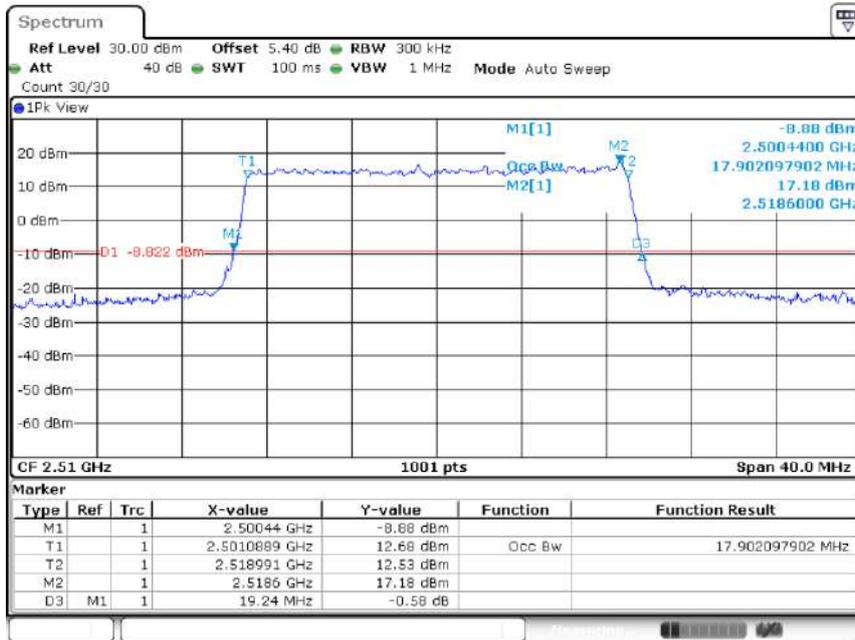
Date: 9 JUL 2020 14:24:12



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

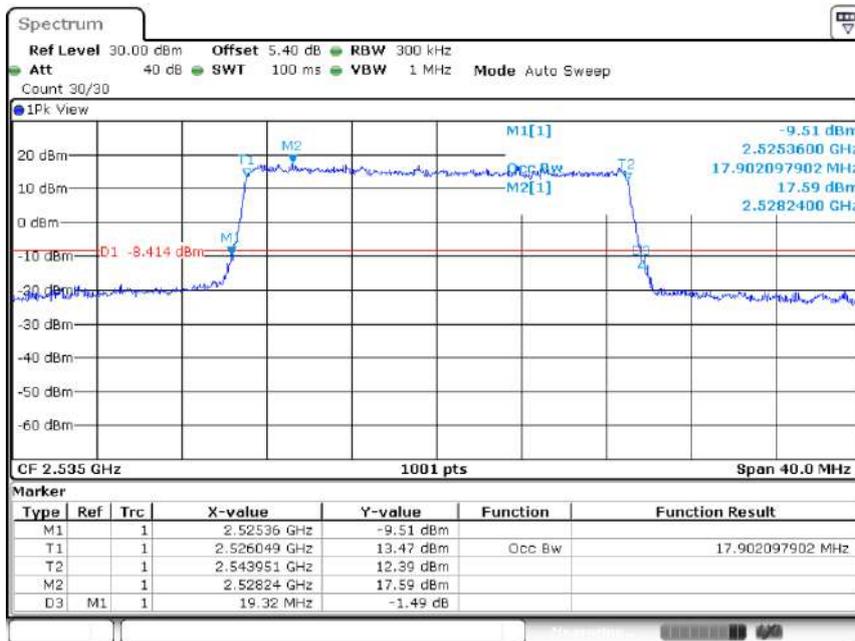
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 9 JUL 2020 14:24:29

Band7-20MHz-QPSK-21100-100RB#0-17.902

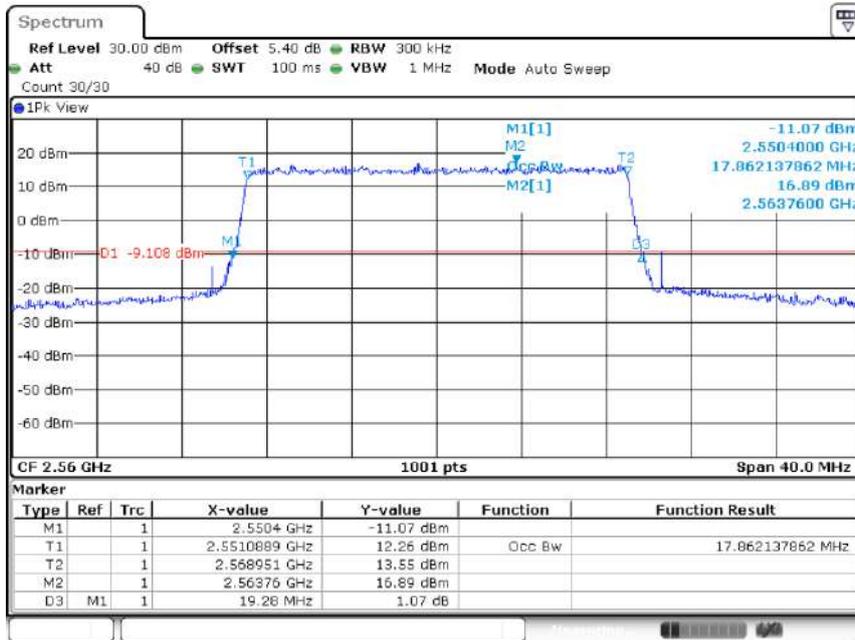


Date: 9 JUL 2020 14:24:54



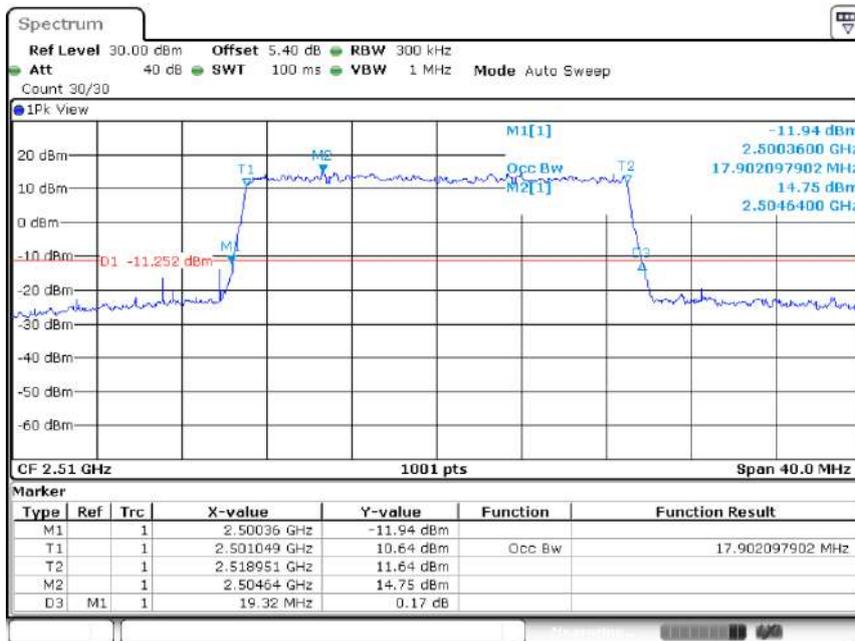
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-QPSK-21350-100RB#0-17.862



Date: 9 JUL 2020 14:25:20

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

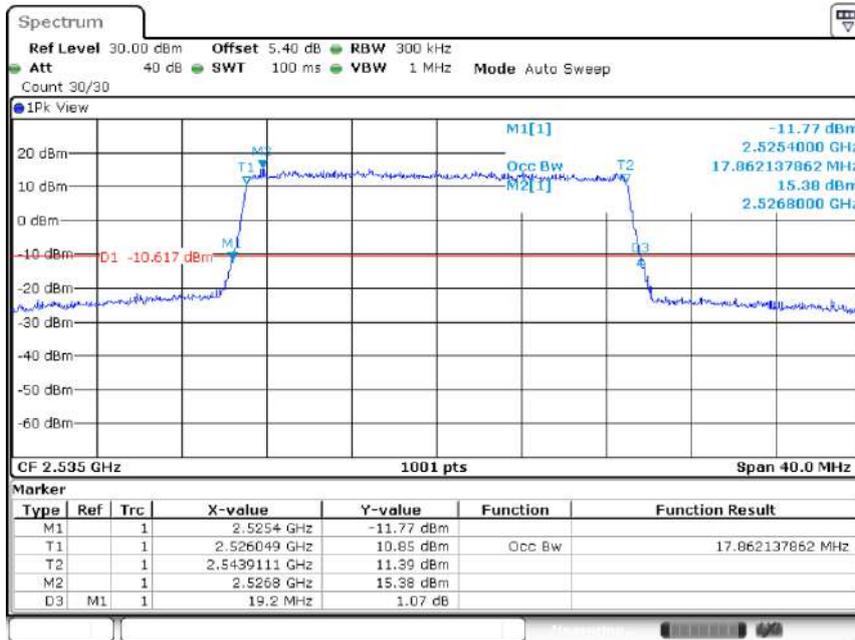


Date: 14 JUL 2020 07:56:30



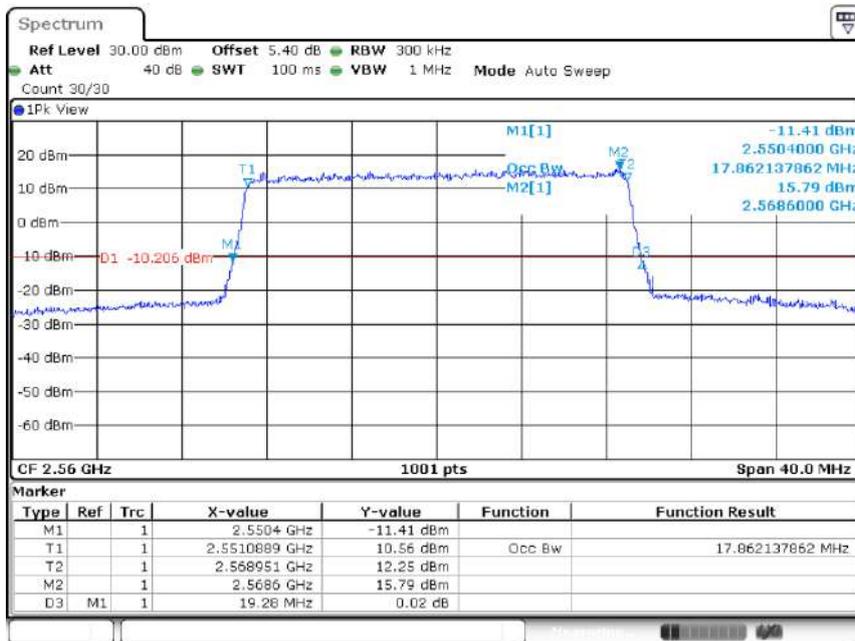
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 07:56:43

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

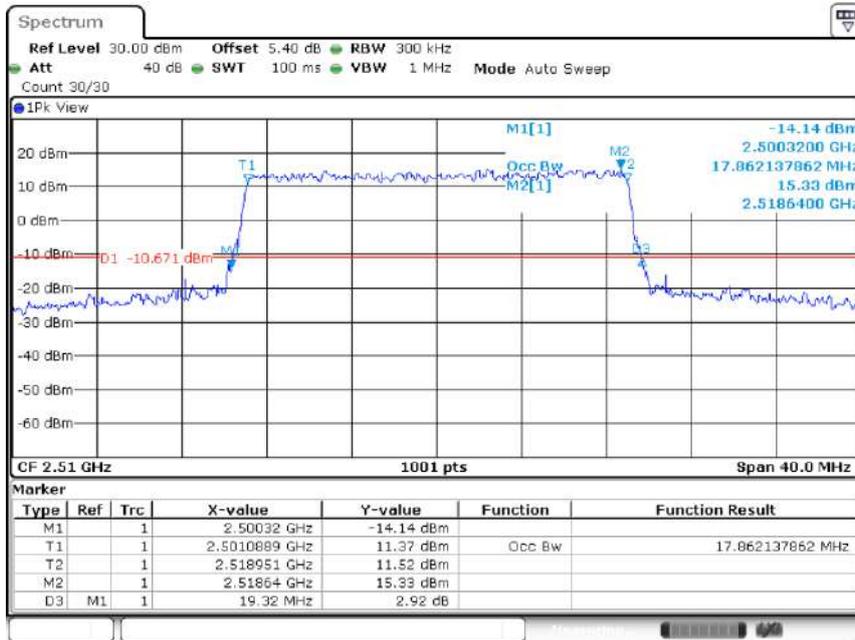


Date: 14 JUL 2020 07:56:56



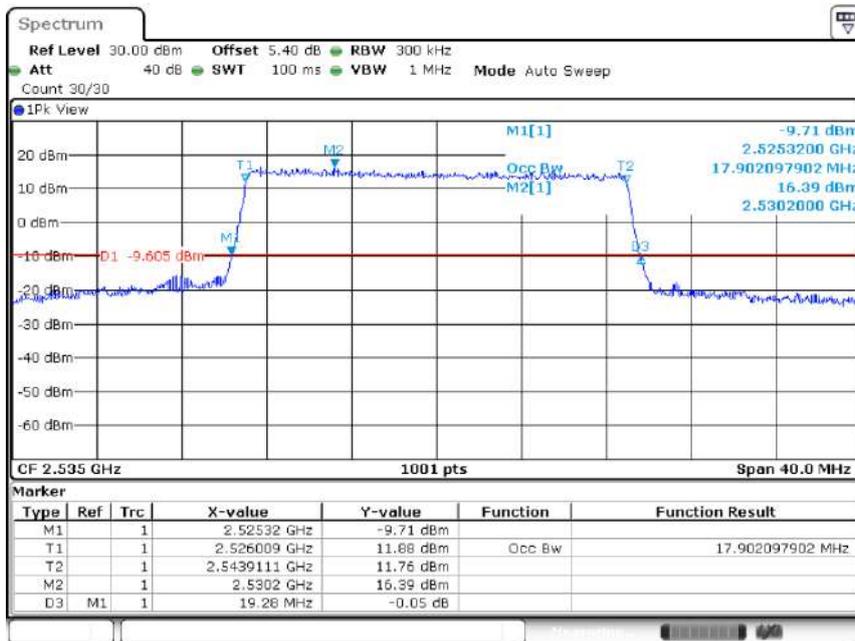
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:24:42

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

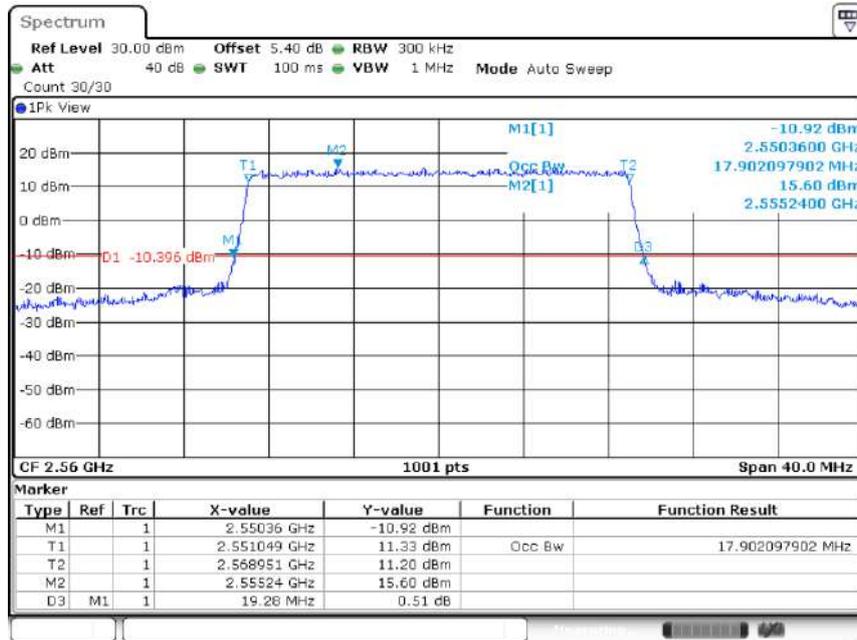


Date: 9 JUL 2020 14:25:07



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

Band7-20MHz-16QAM-21350-100RB#0-17.902



Date: 9 JUL 2020 14:25:32



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

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



5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-54.12,-45.72,-15.19	PASS
Band7	5MHz	QPSK	20775	25RB#0	-48.93,-38.65,-26.92	PASS
Band7	5MHz	QPSK	21425	1RB#24	-52.40,-52.28,-15.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	-41.69,-41.60,-26.80	PASS
Band7	5MHz	64QAM	20775	1RB#0	-53.96,-49.33,-16.37	PASS
Band7	5MHz	64QAM	20775	25RB#0	-50.93,-39.21,-28.36	PASS
Band7	5MHz	64QAM	21425	1RB#24	-53.12,-52.28,-15.81	PASS
Band7	5MHz	64QAM	21425	25RB#0	-43.32,-41.16,-27.15	PASS
Band7	5MHz	16QAM	20775	1RB#0	-54.09,-47.16,-16.34	PASS
Band7	5MHz	16QAM	20775	25RB#0	-49.64,-39.30,-26.88	PASS
Band7	5MHz	16QAM	21425	1RB#24	-52.75,-52.22,-15.74	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.70,-41.00,-26.86	PASS
Band7	10MHz	QPSK	20800	1RB#0	-47.71,-45.75,-17.67	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.20,-32.10,-28.66	PASS
Band7	10MHz	QPSK	21400	1RB#49	-50.68,-45.48,-17.71	PASS
Band7	10MHz	QPSK	21400	50RB#0	-41.52,-32.42,-27.77	PASS
Band7	10MHz	64QAM	20800	1RB#0	-50.46,-46.57,-19.09	PASS
Band7	10MHz	64QAM	20800	50RB#0	-41.86,-33.52,-29.53	PASS
Band7	10MHz	64QAM	21400	1RB#49	-49.77,-45.64,-18.55	PASS
Band7	10MHz	64QAM	21400	50RB#0	-40.88,-33.94,-28.35	PASS
Band7	10MHz	16QAM	20800	1RB#0	-48.52,-46.05,-17.74	PASS
Band7	10MHz	16QAM	20800	50RB#0	-41.18,-32.86,-29.14	PASS
Band7	10MHz	16QAM	21400	1RB#49	-50.67,-45.99,-19.47	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.49,-33.63,-28.51	PASS
Band7	15MHz	QPSK	20825	1RB#0	-47.11,-43.29,-19.33	PASS
Band7	15MHz	QPSK	20825	75RB#0	-34.92,-32.29,-29.73	PASS
Band7	15MHz	QPSK	21375	1RB#74	-49.12,-42.48,-19.43	PASS
Band7	15MHz	QPSK	21375	75RB#0	-41.61,-31.37,-28.56	PASS
Band7	15MHz	64QAM	20825	1RB#0	-47.66,-44.16,-20.27	PASS
Band7	15MHz	64QAM	20825	75RB#0	-38.37,-33.43,-31.12	PASS
Band7	15MHz	64QAM	21375	1RB#74	-49.02,-42.26,-19.84	PASS
Band7	15MHz	64QAM	21375	75RB#0	-41.10,-32.49,-29.61	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.

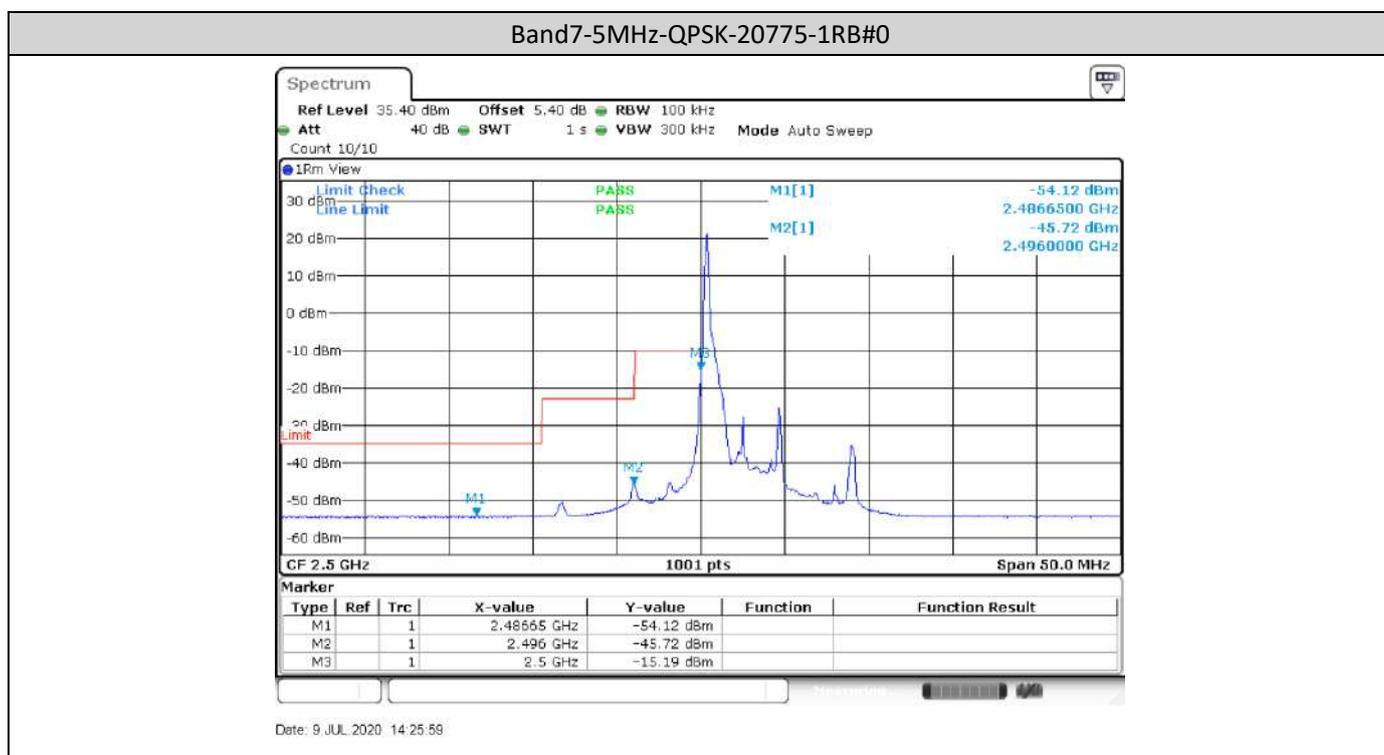
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com



Band7	15MHz	16QAM	20825	1RB#0	-47.25,-43.99,-20.43	PASS
Band7	15MHz	16QAM	20825	75RB#0	-36.69,-32.59,-30.08	PASS
Band7	15MHz	16QAM	21375	1RB#74	-49.07,-43.25,-19.25	PASS
Band7	15MHz	16QAM	21375	75RB#0	-41.71,-31.90,-28.99	PASS
Band7	20MHz	QPSK	20850	1RB#0	-43.09,-39.78,-18.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.27,-30.93,-28.86	PASS
Band7	20MHz	QPSK	21350	1RB#99	-47.02,-42.05,-18.62	PASS
Band7	20MHz	QPSK	21350	100RB#0	-42.00,-30.45,-27.80	PASS
Band7	20MHz	64QAM	20850	1RB#0	-46.12,-43.67,-19.98	PASS
Band7	20MHz	64QAM	20850	100RB#0	-34.46,-31.54,-29.64	PASS
Band7	20MHz	64QAM	21350	1RB#99	-46.94,-42.61,-19.25	PASS
Band7	20MHz	64QAM	21350	100RB#0	-40.30,-30.83,-28.72	PASS
Band7	20MHz	16QAM	20850	1RB#0	-45.44,-43.22,-18.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.04,-31.25,-29.25	PASS
Band7	20MHz	16QAM	21350	1RB#99	-47.02,-42.57,-20.81	PASS
Band7	20MHz	16QAM	21350	100RB#0	-40.89,-30.68,-28.38	PASS

5.2. Test Plots

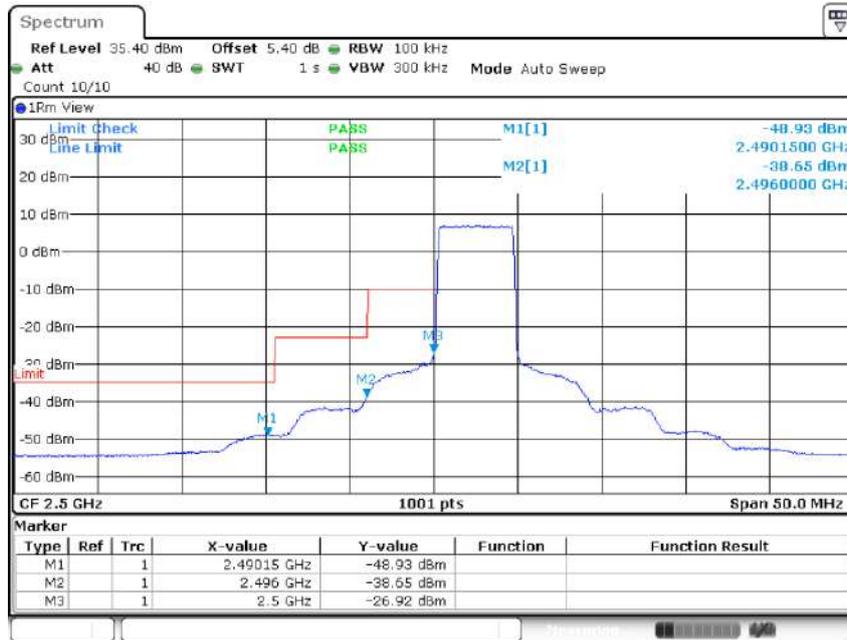


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

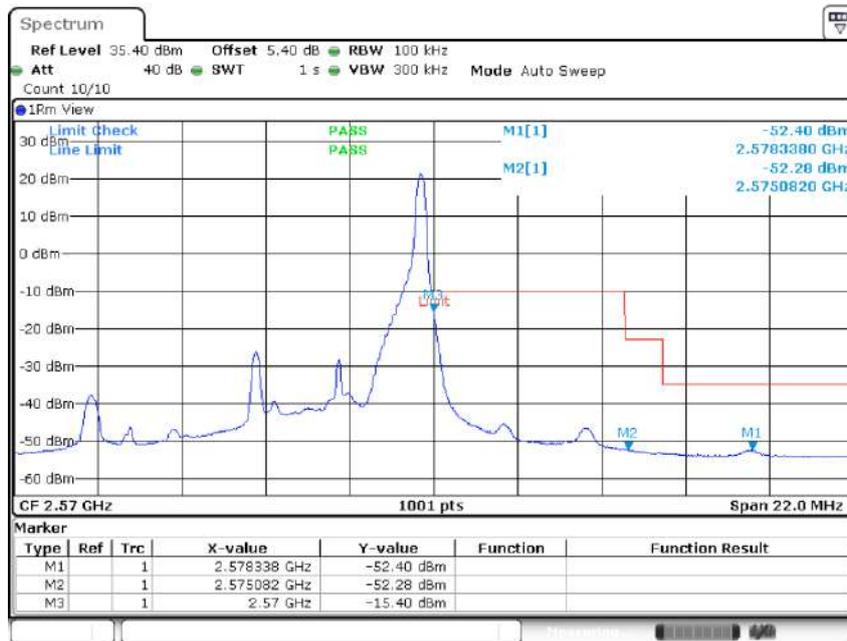
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755)26012053 f (86-755)26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

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



Date: 9 JUL 2020 14:27:32

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

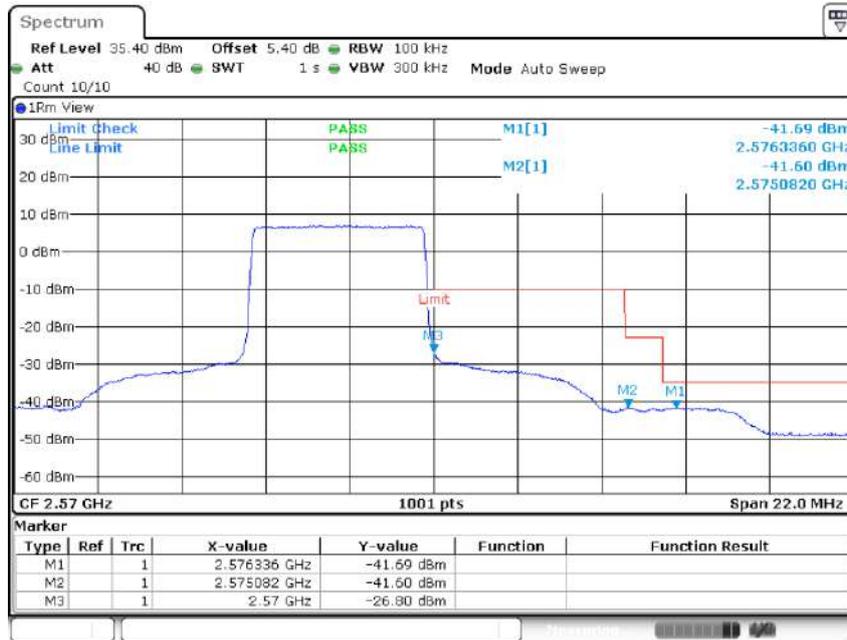


Date: 9 JUL 2020 14:26:45



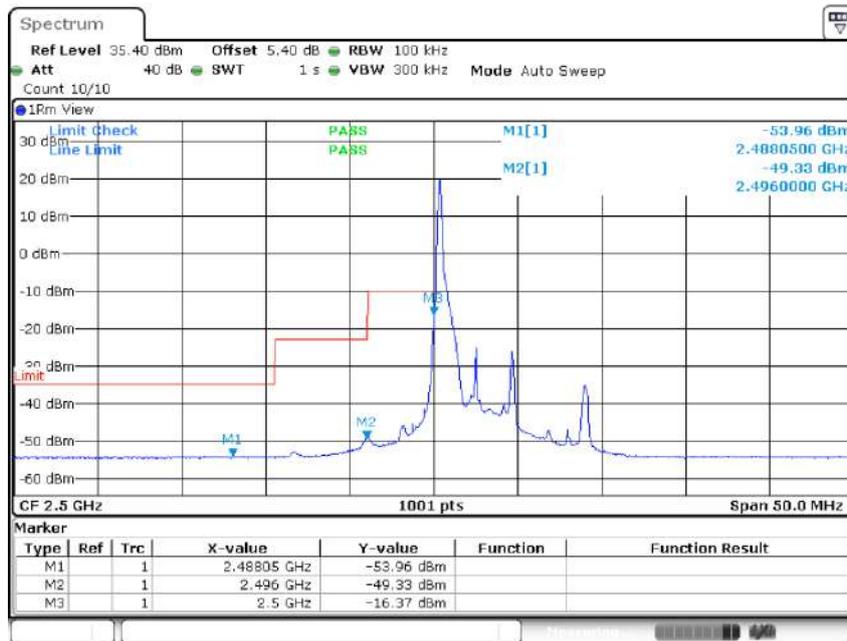
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:28:14

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

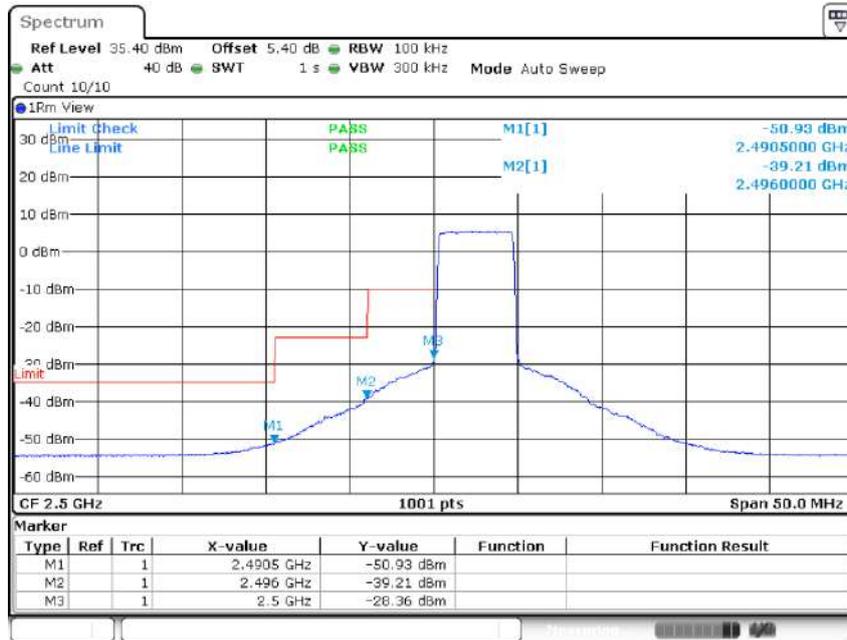


Date: 14 JUL 2020 07:57:23



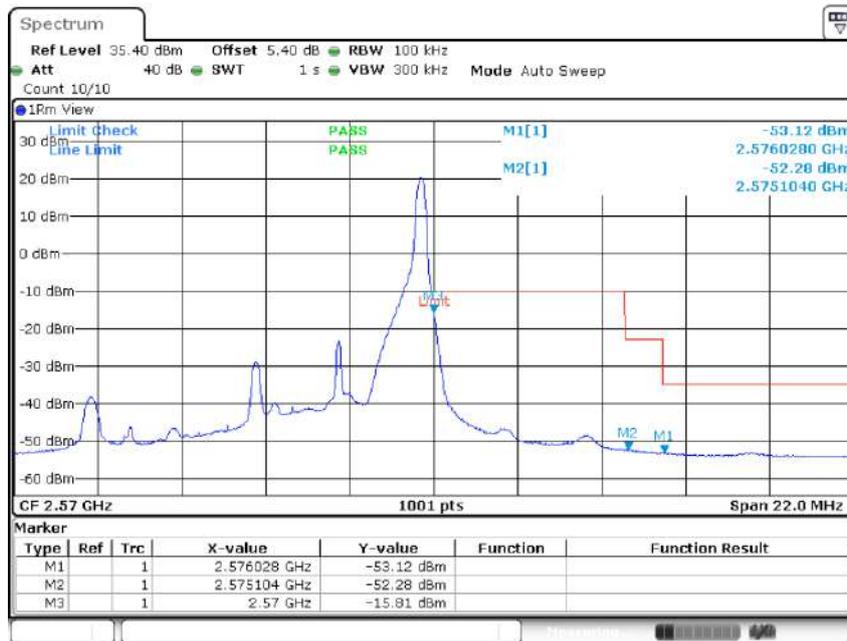
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 07:58:14

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



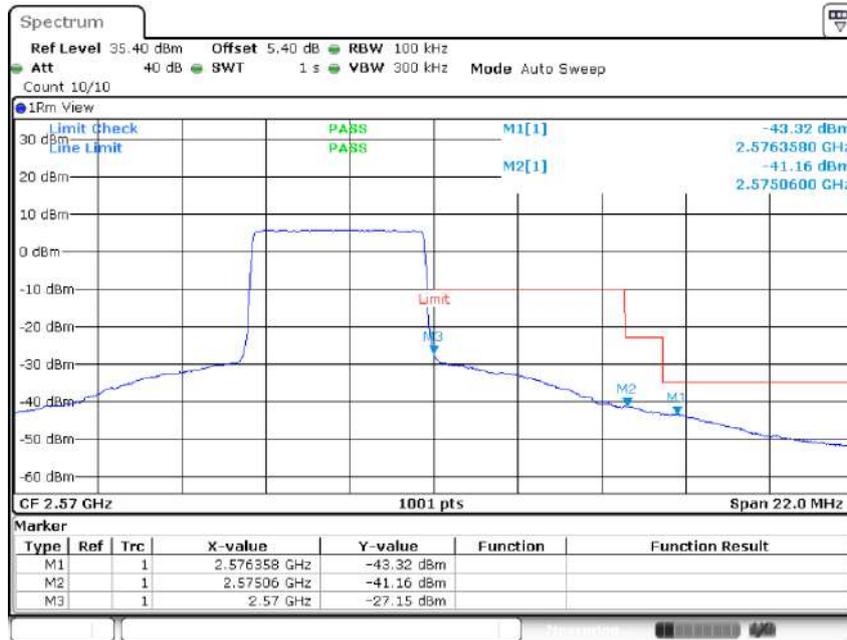
Date: 14 JUL 2020 07:57:48



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

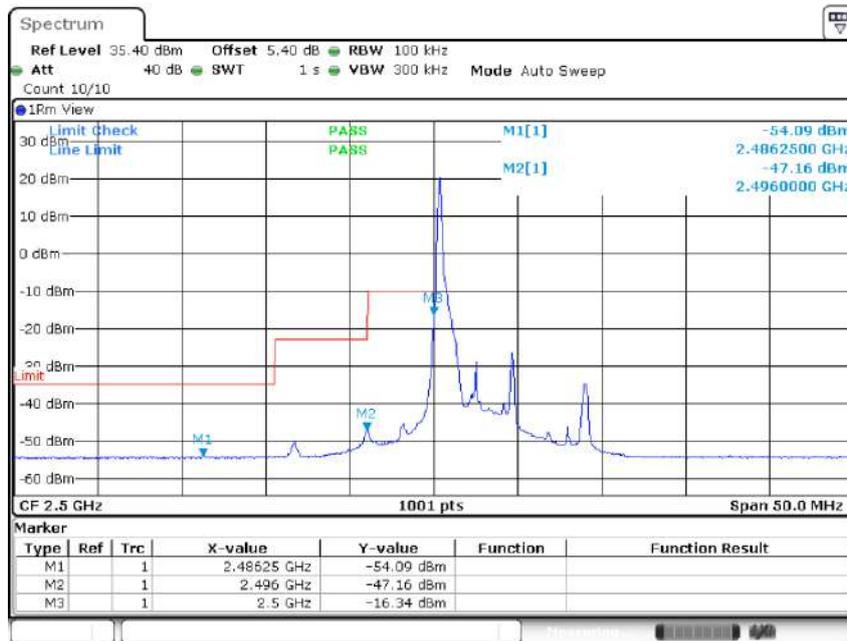
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 JUL 2020 07:58:35

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

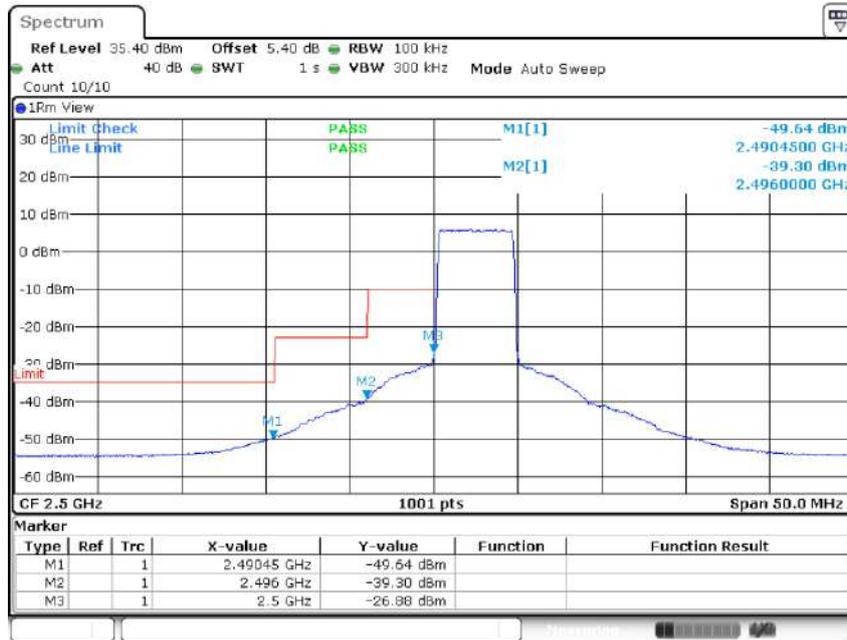


Date: 9 JUL 2020 14:26:20



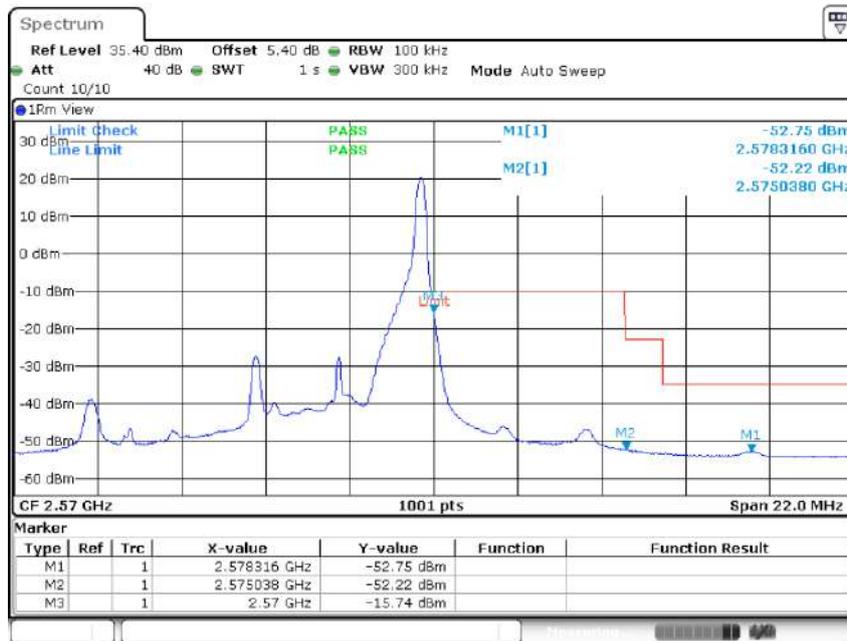
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:27:53

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



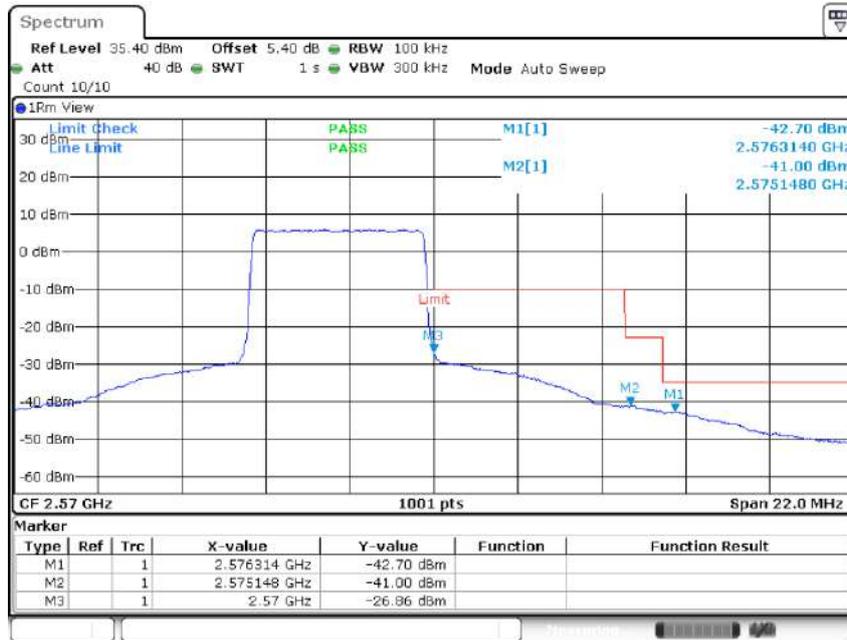
Date: 9 JUL 2020 14:27:06



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

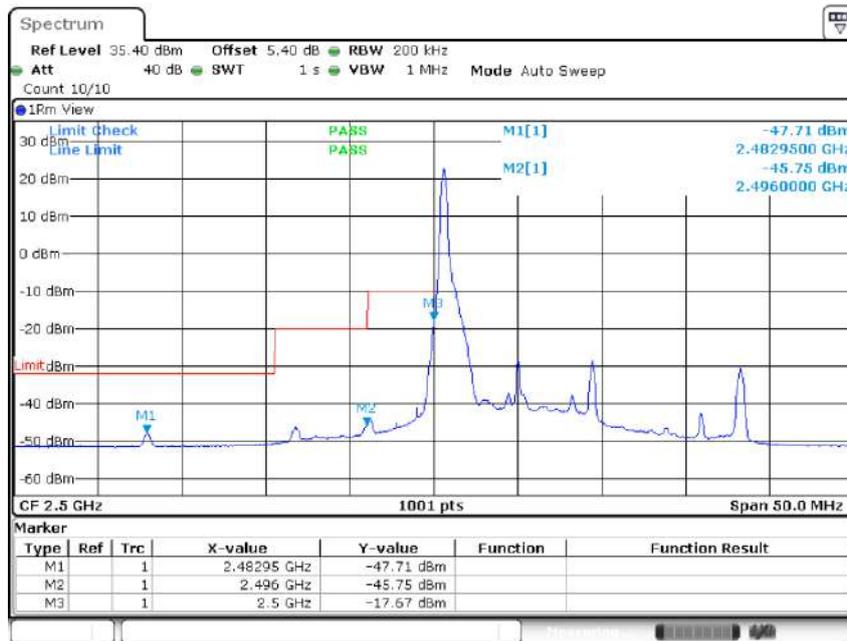
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 9 JUL 2020 14:28:36

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

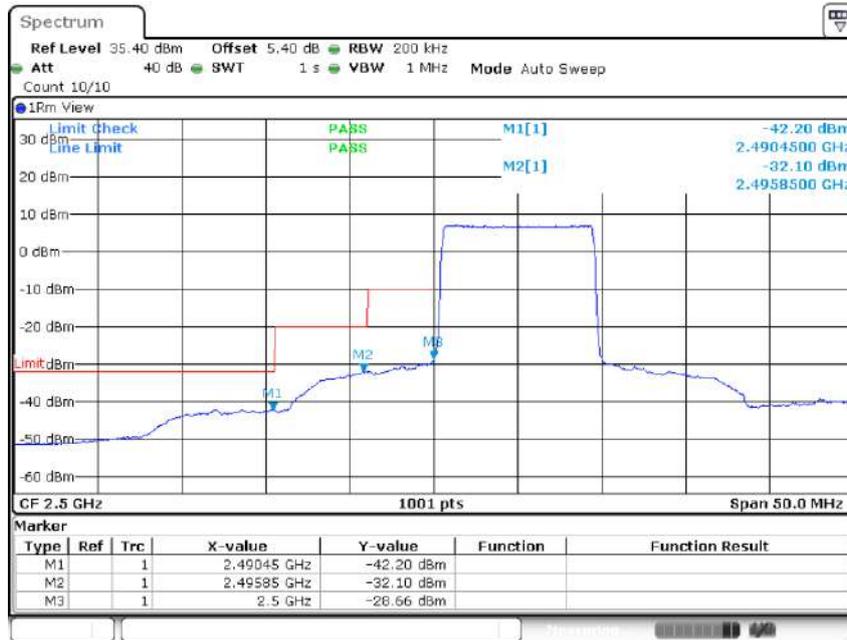


Date: 9 JUL 2020 14:29:02



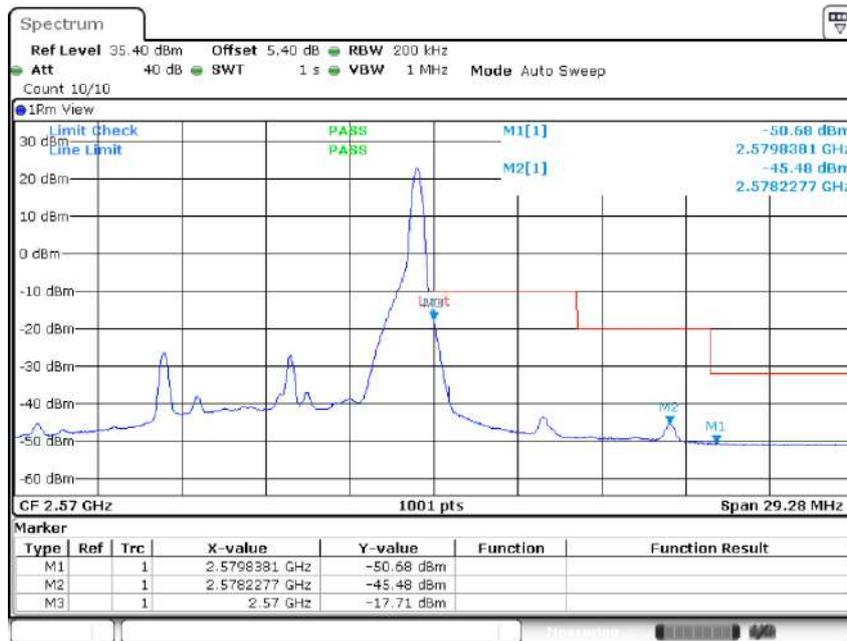
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:30:35

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

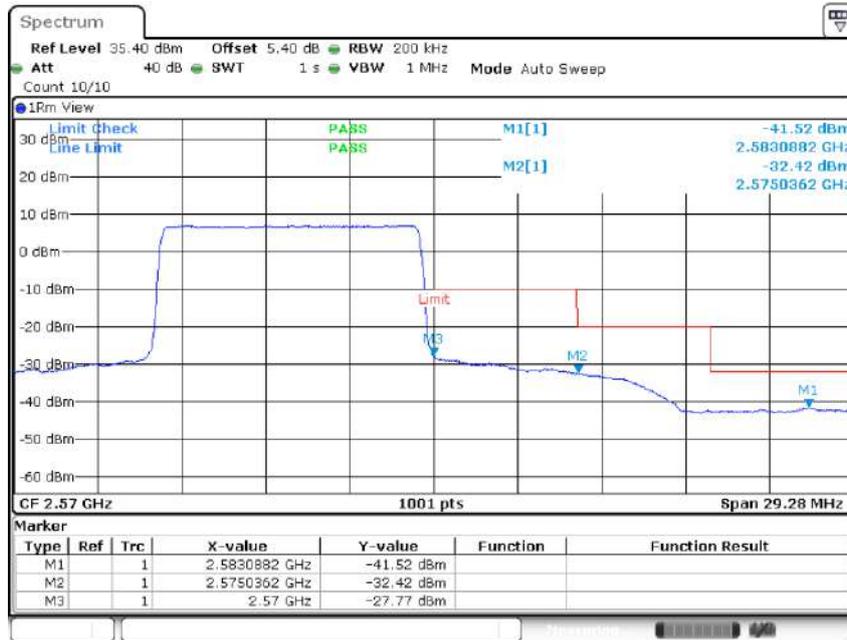


Date: 9 JUL 2020 14:29:48



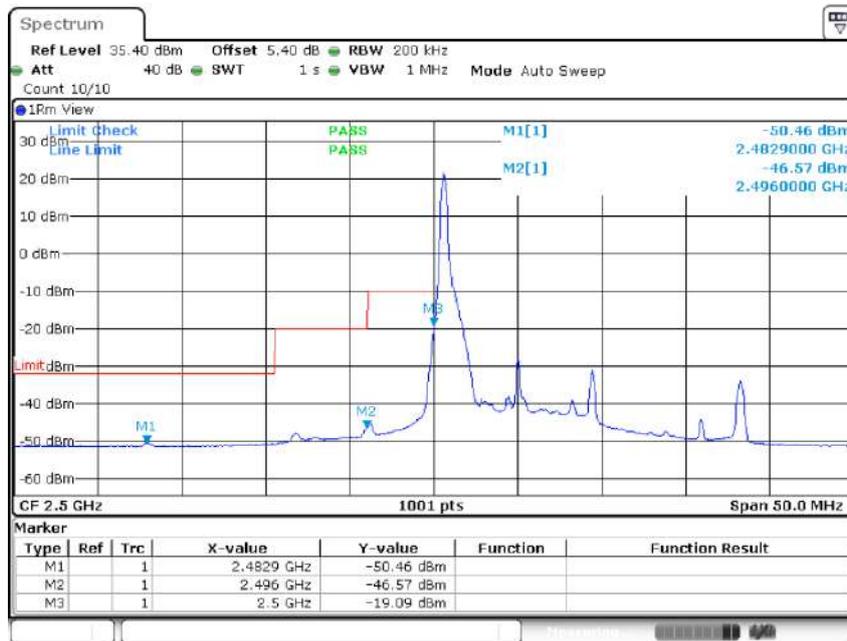
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:31:18

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

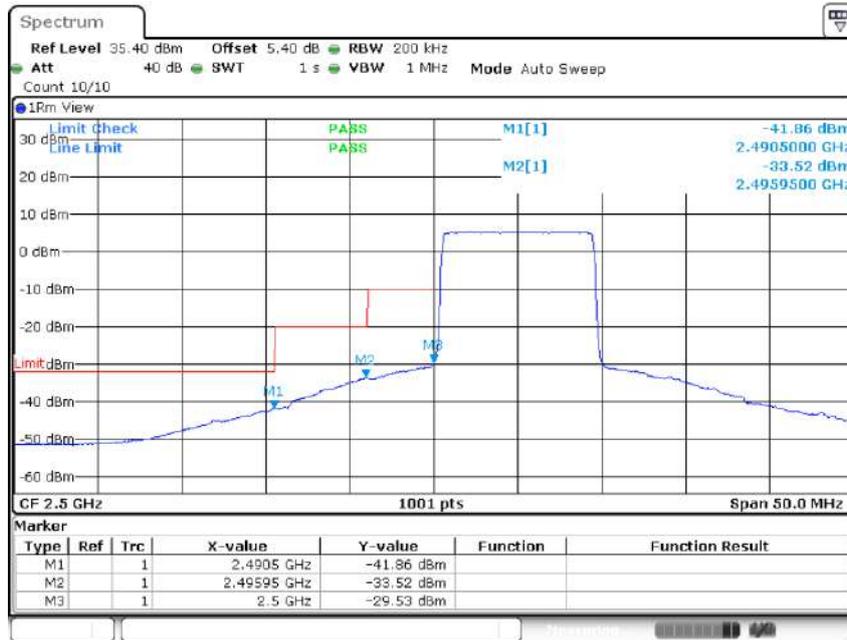


Date: 14 JUL 2020 08:01:18



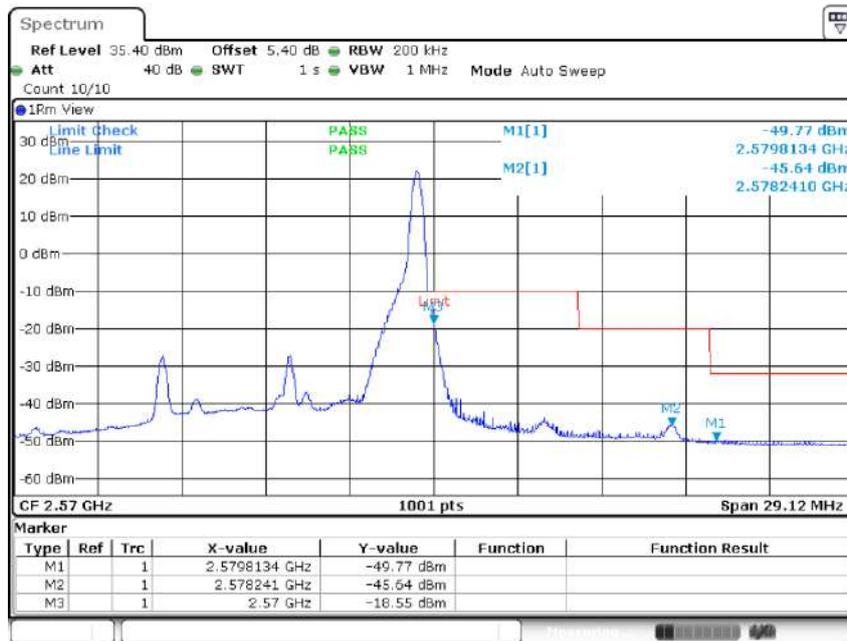
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 08:02:10

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



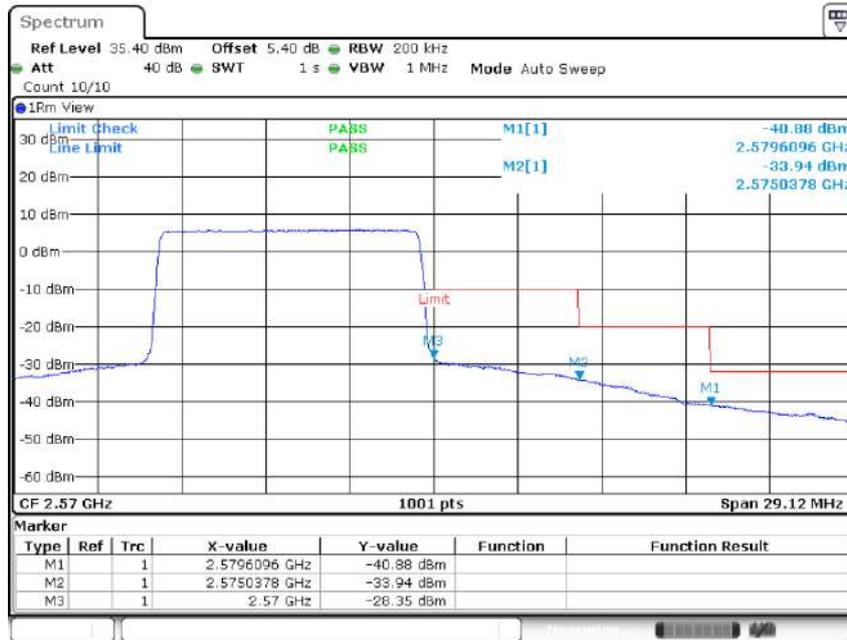
Date: 14 JUL 2020 08:01:44



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

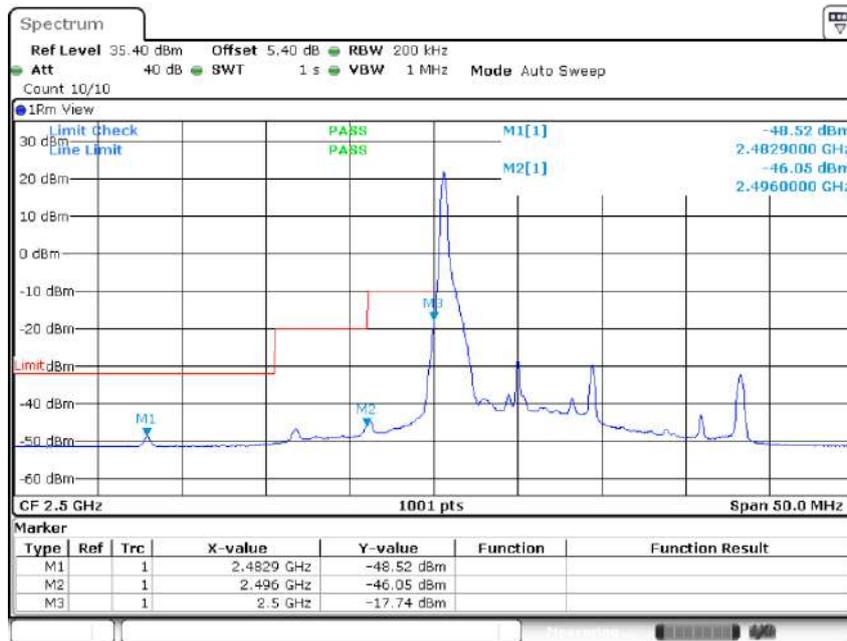
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 14 JUL 2020 08:02:31

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



Date: 9 JUL 2020 14:29:23

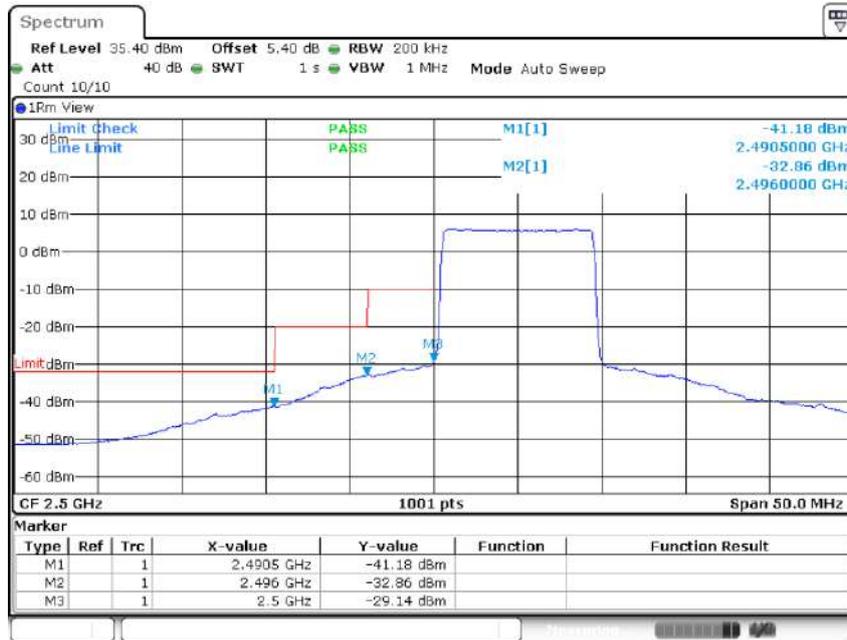


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

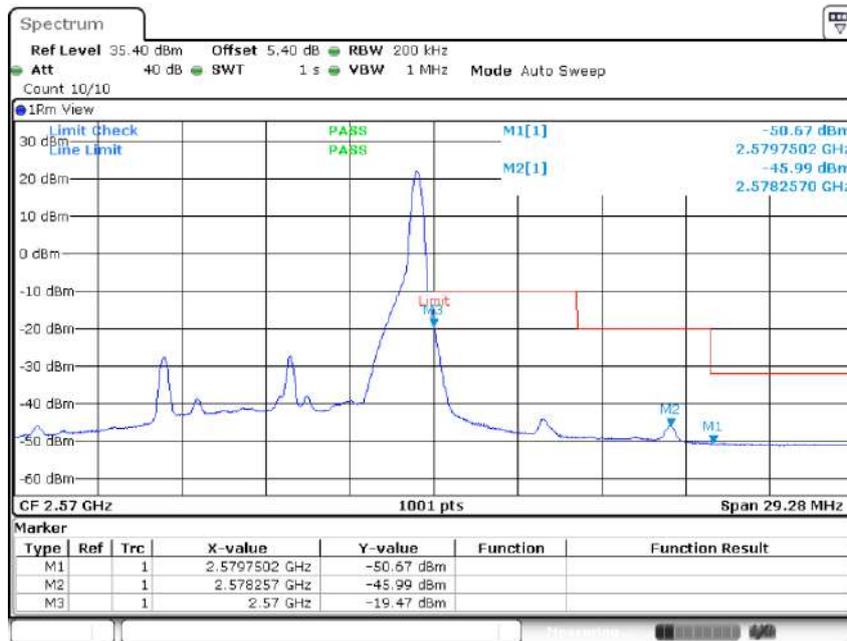
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 9 JUL 2020 14:30:56

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

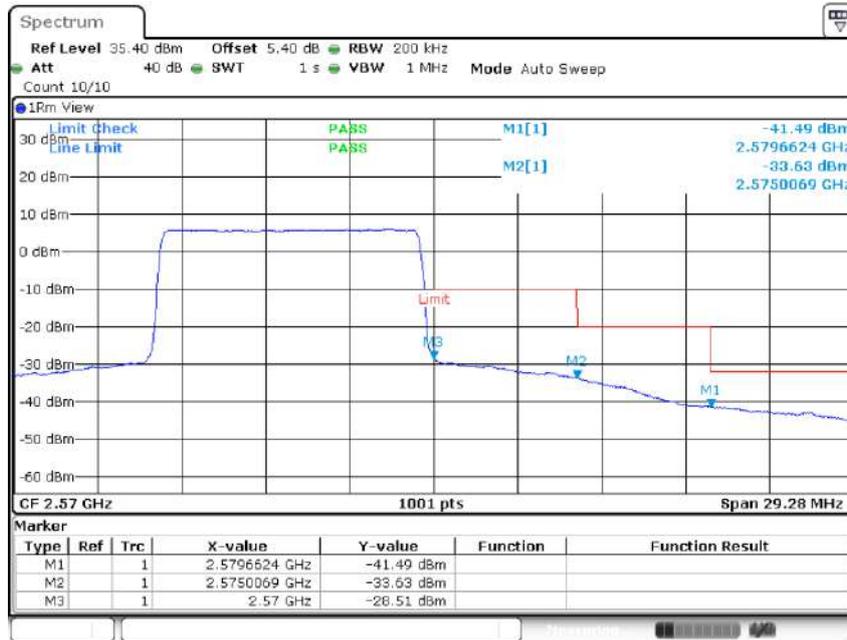


Date: 9 JUL 2020 14:30:10



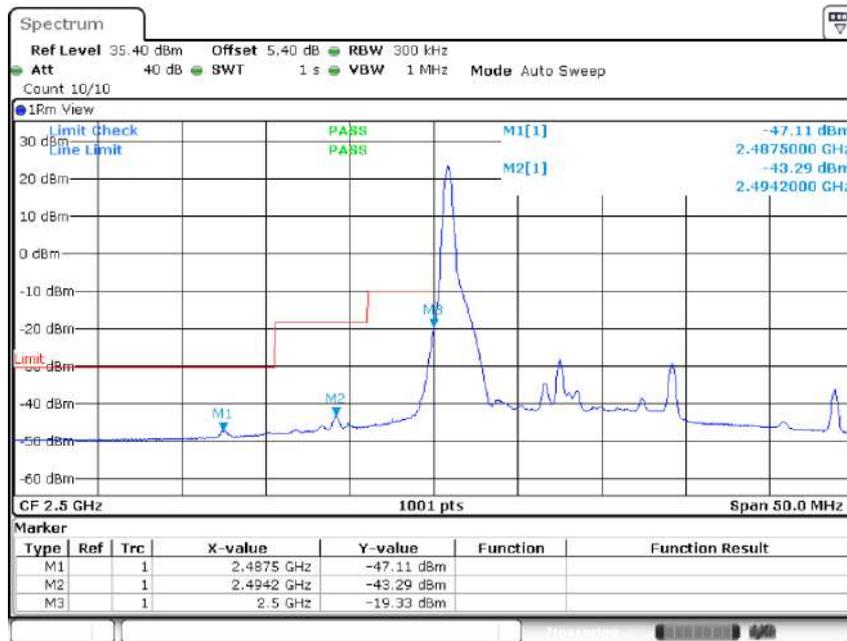
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:31:39

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

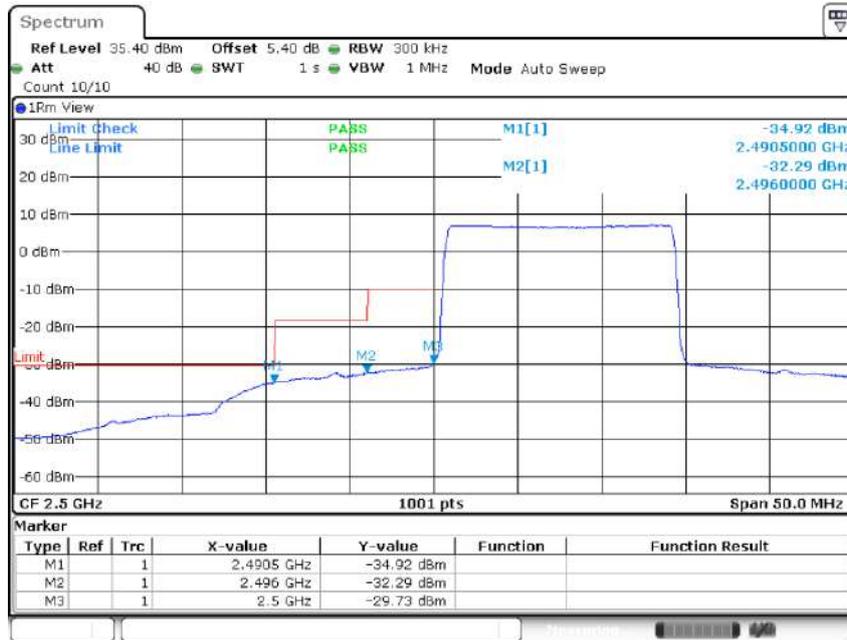


Date: 9 JUL 2020 14:32:05



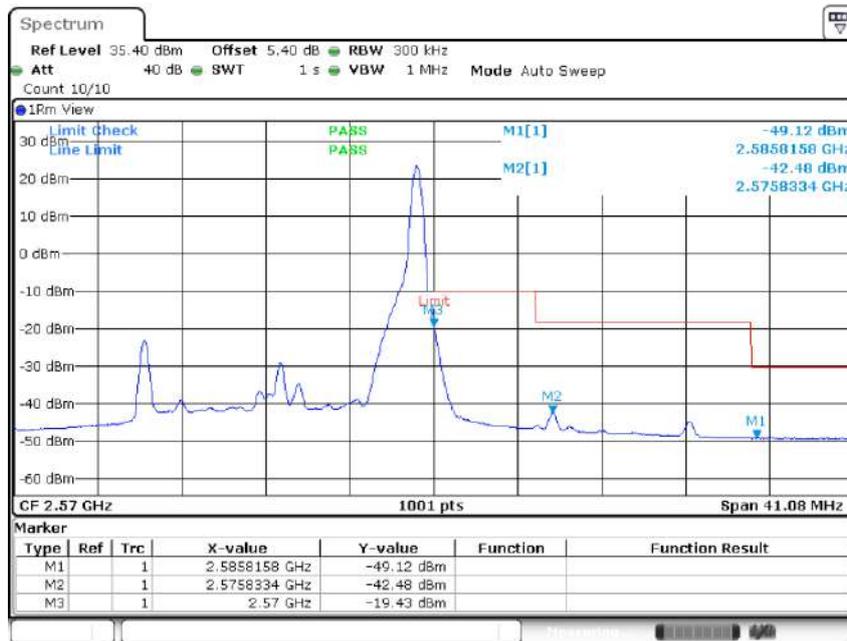
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:33:38

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

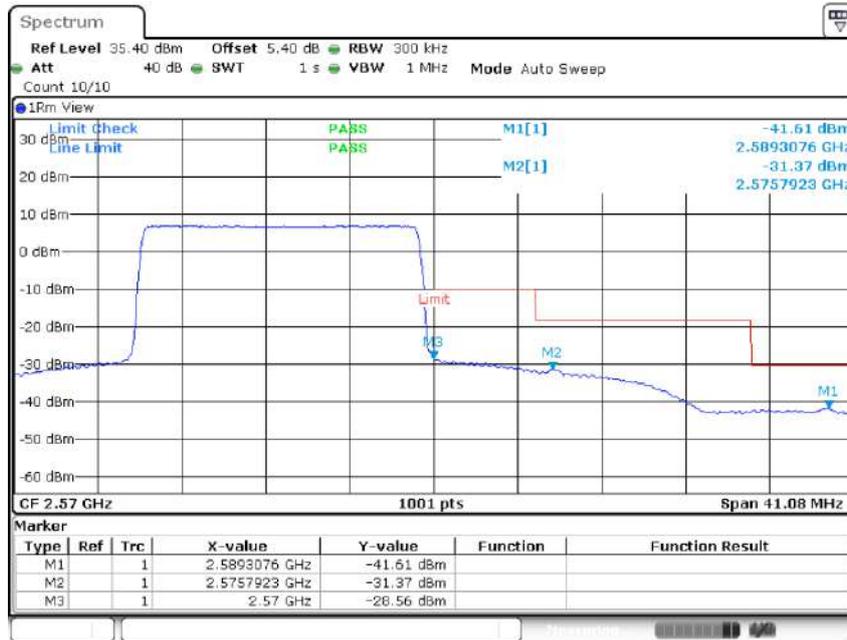


Date: 9 JUL 2020 14:32:51



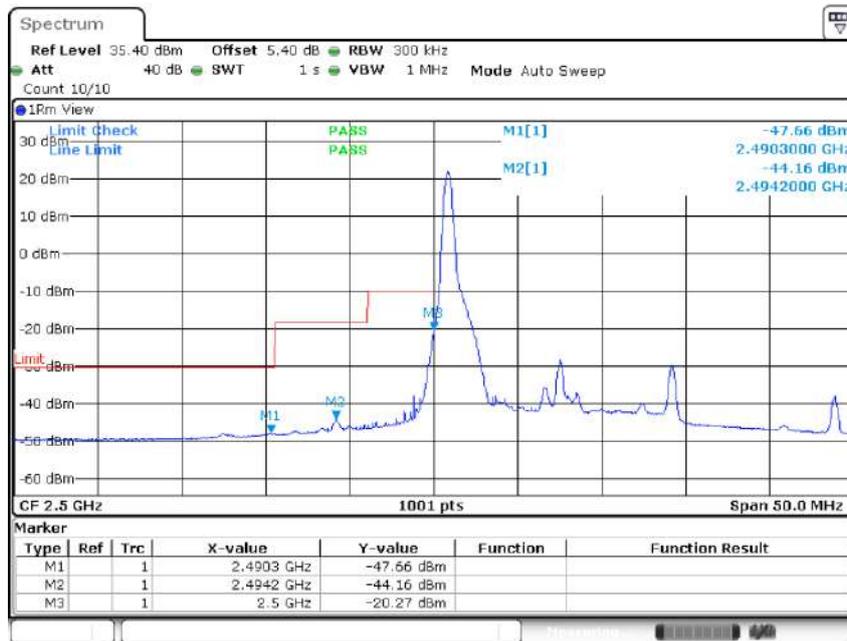
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:34:21

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

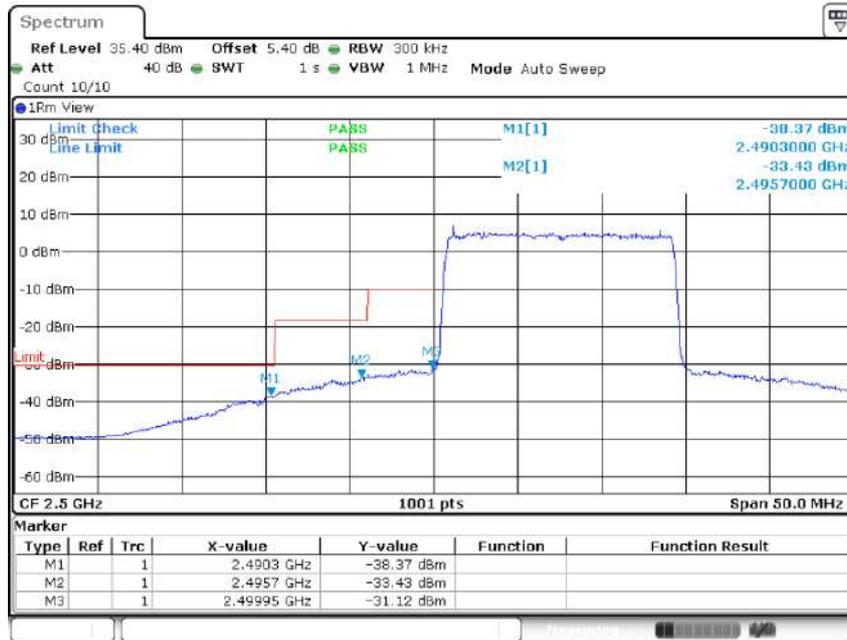


Date: 14 JUL 2020 08:02:57



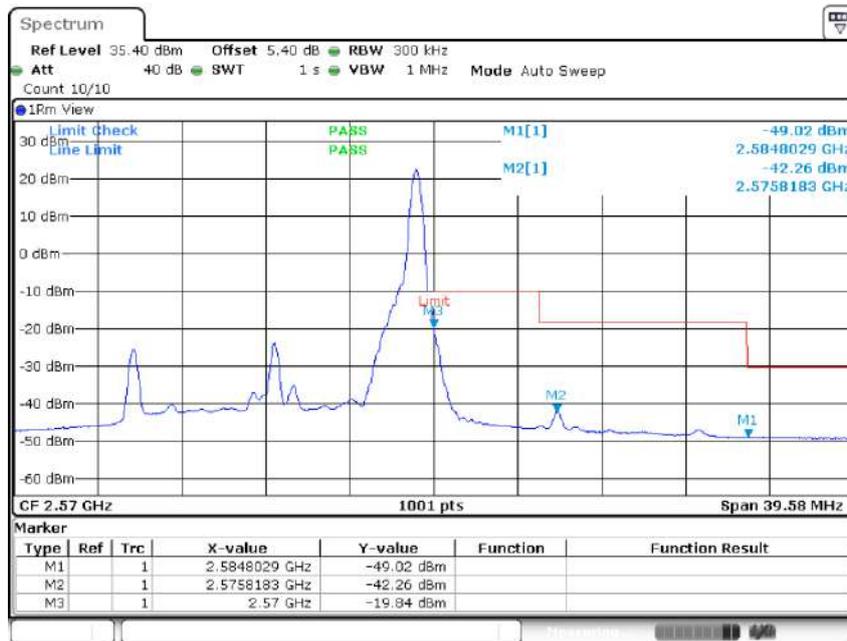
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 08:20:44

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

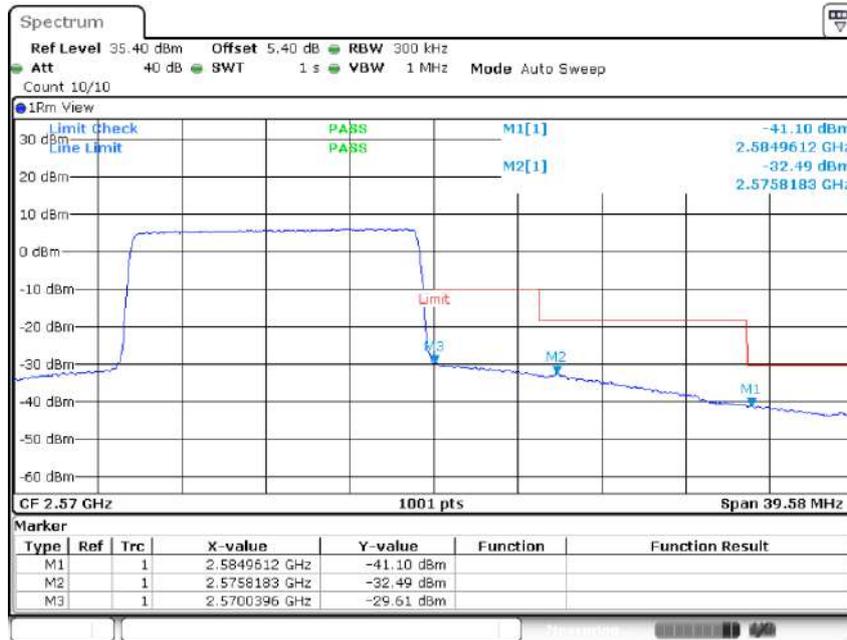


Date: 14 JUL 2020 08:03:23



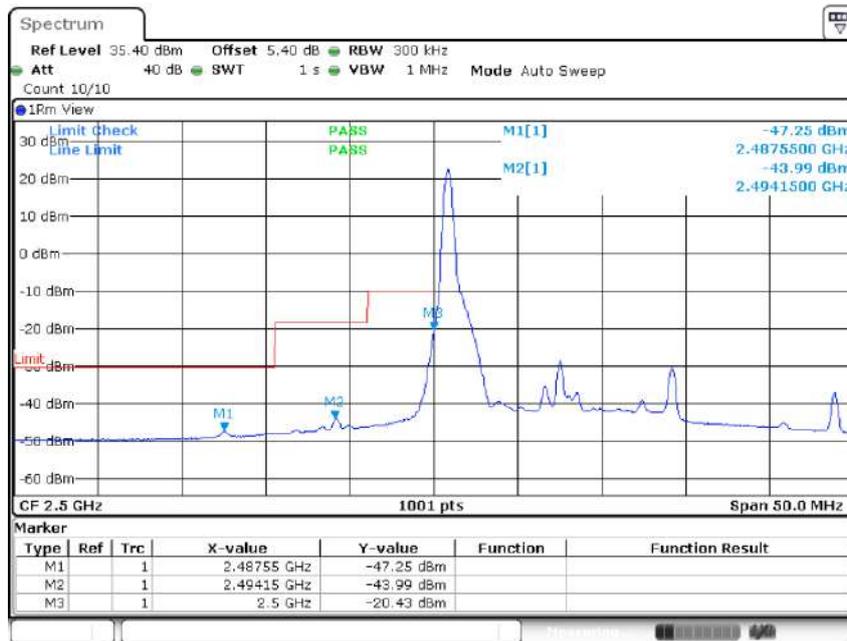
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 08:21:05

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

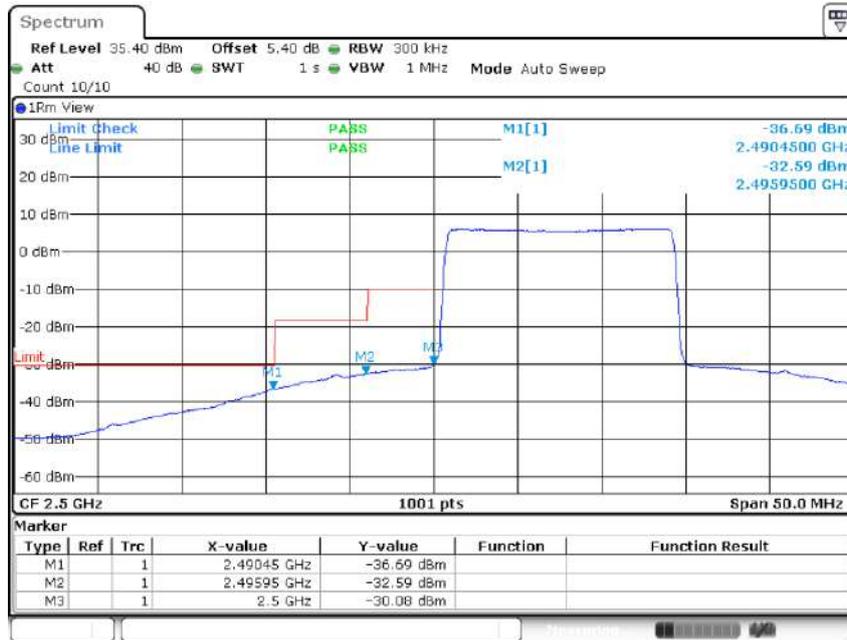


Date: 9 JUL 2020 14:32:26



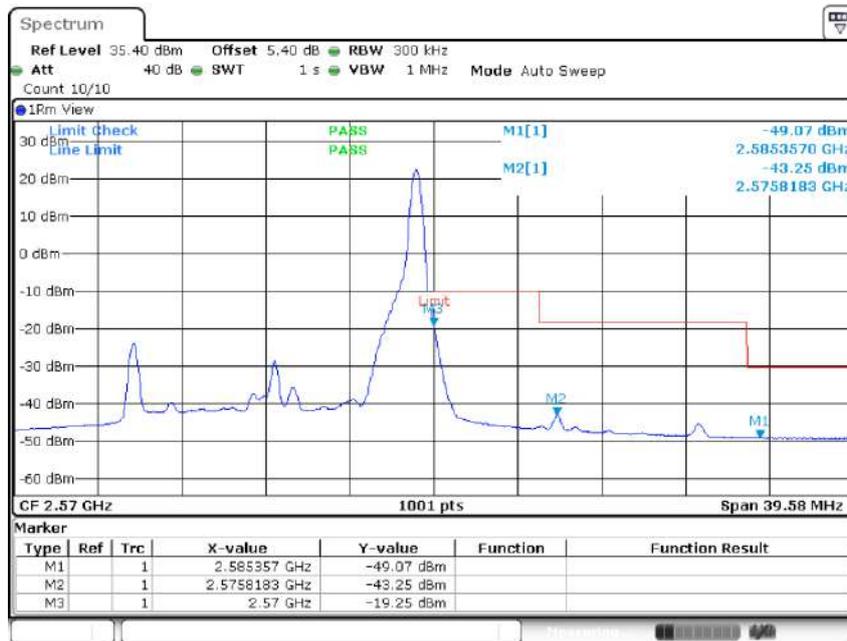
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:33:59

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

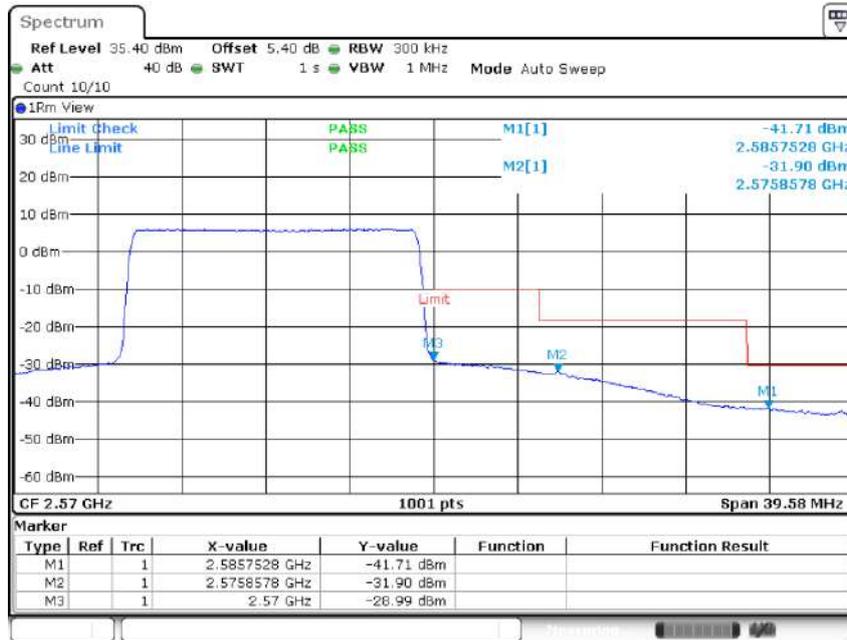


Date: 9 JUL 2020 14:33:13



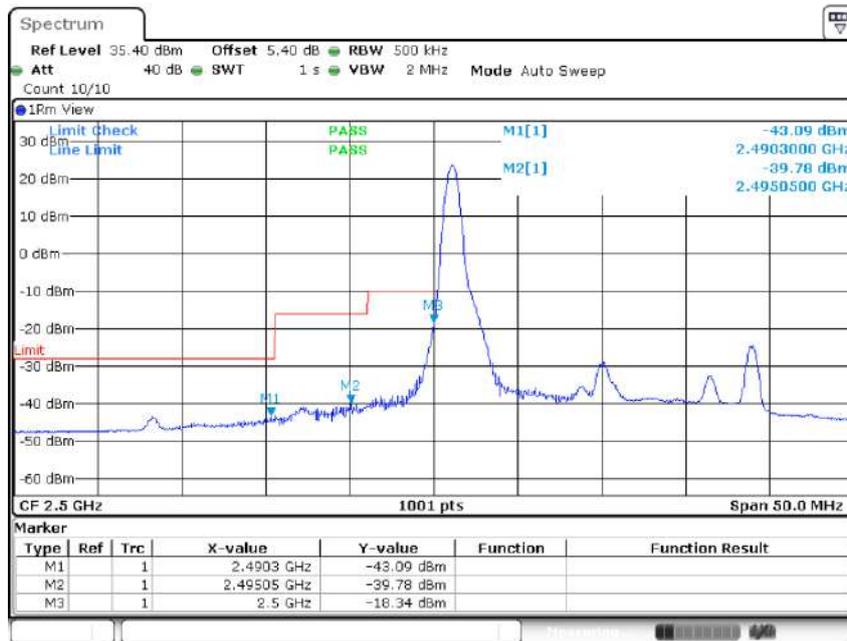
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:34:42

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

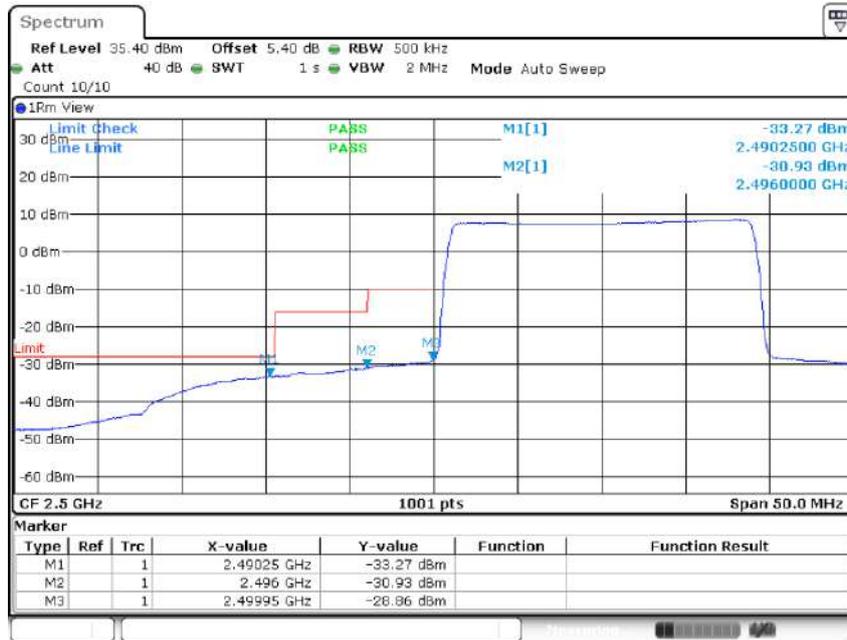


Date: 9 JUL 2020 14:35:13



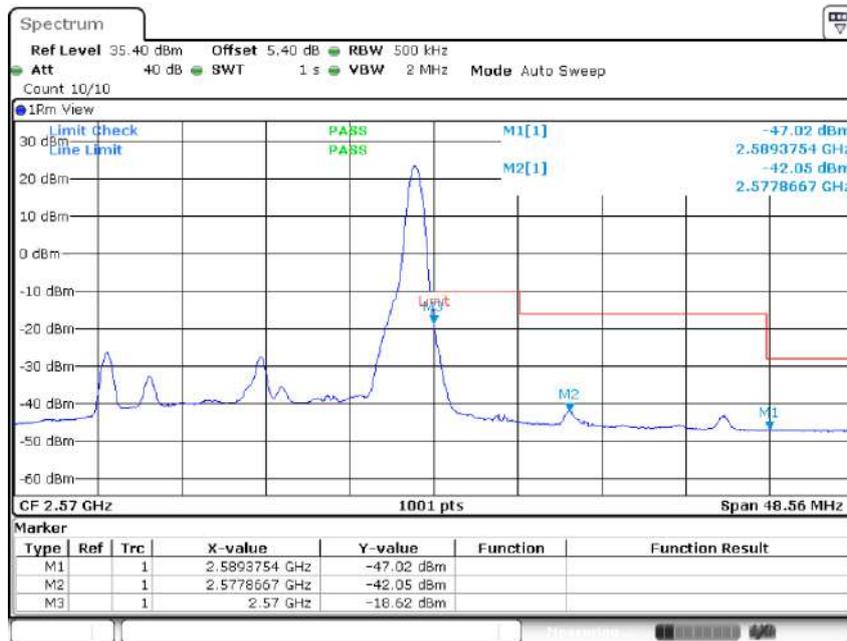
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:36:46

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

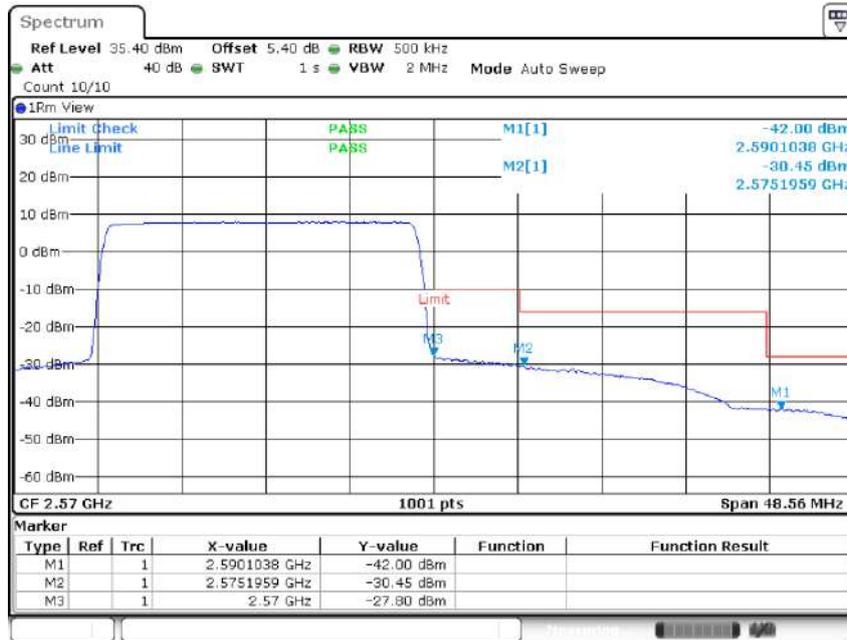


Date: 9 JUL 2020 14:35:59



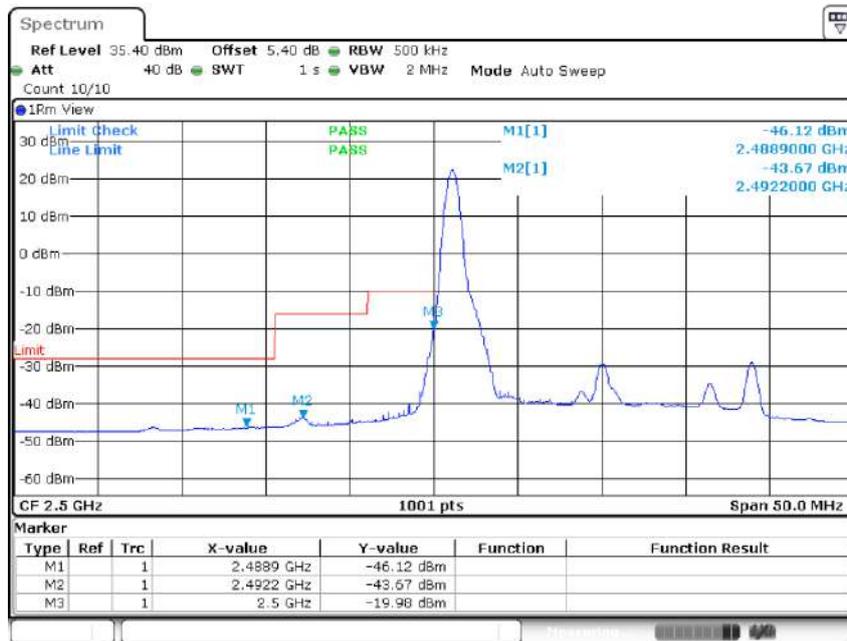
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 9 JUL 2020 14:37:29

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

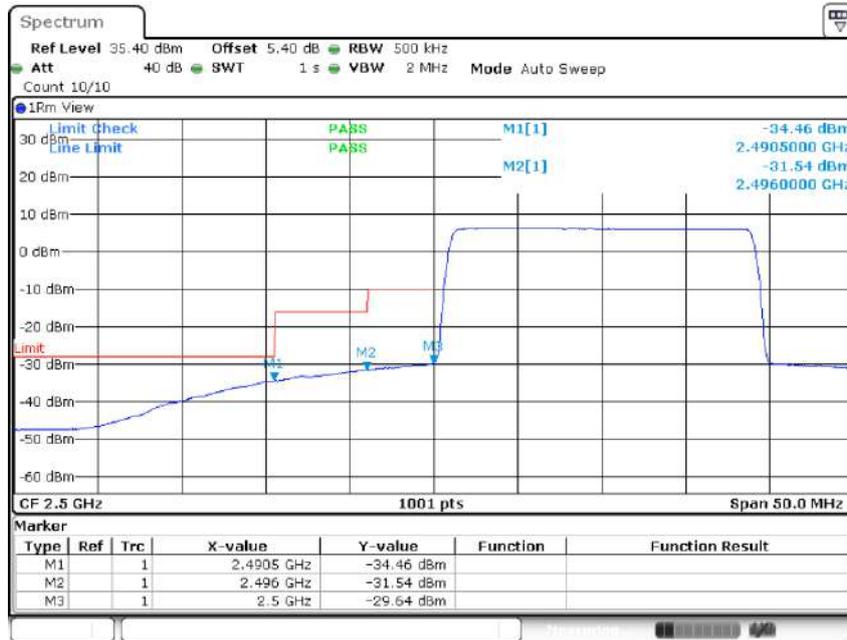


Date: 14 JUL 2020 08:21:31



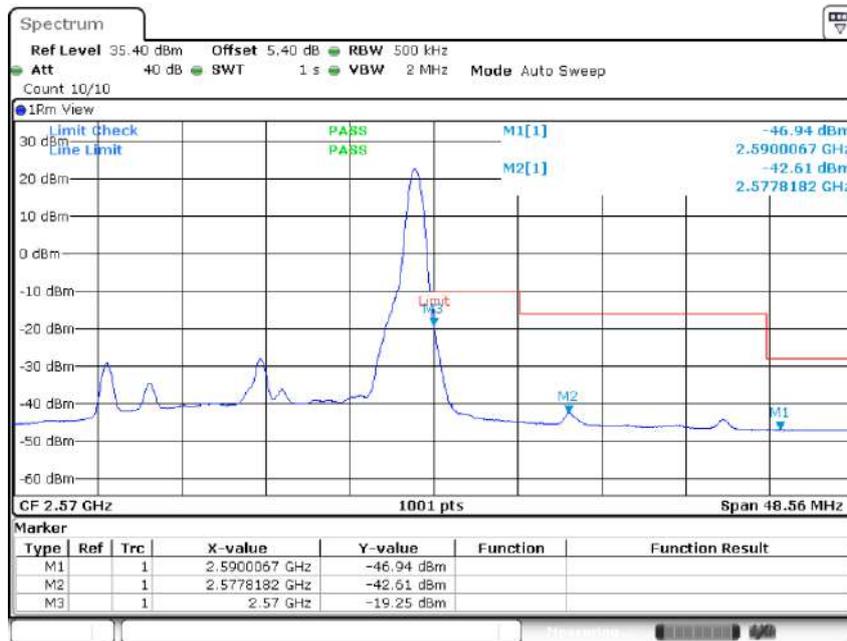
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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. 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-20850-100RB#0



Date: 14 JUL 2020 08:22:23

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

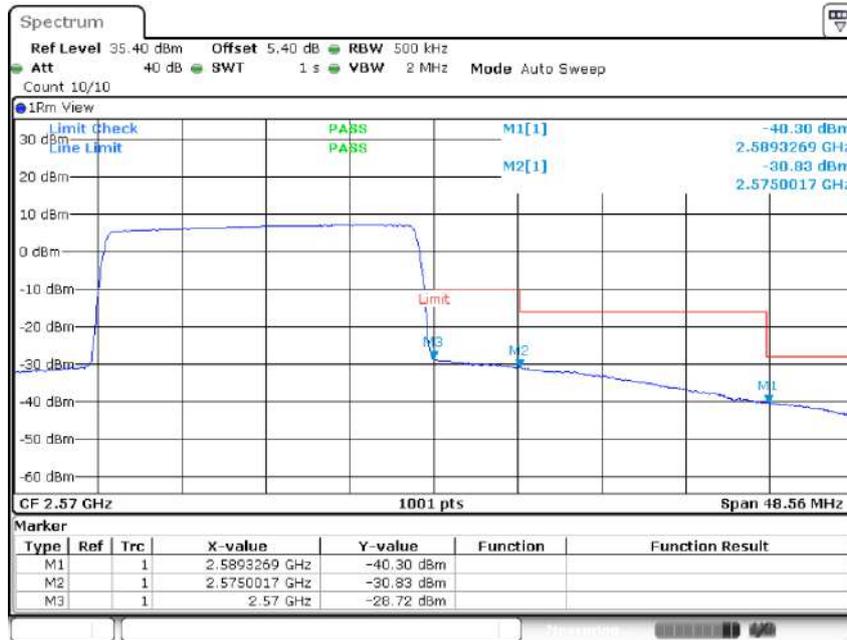


Date: 14 JUL 2020 08:21:57



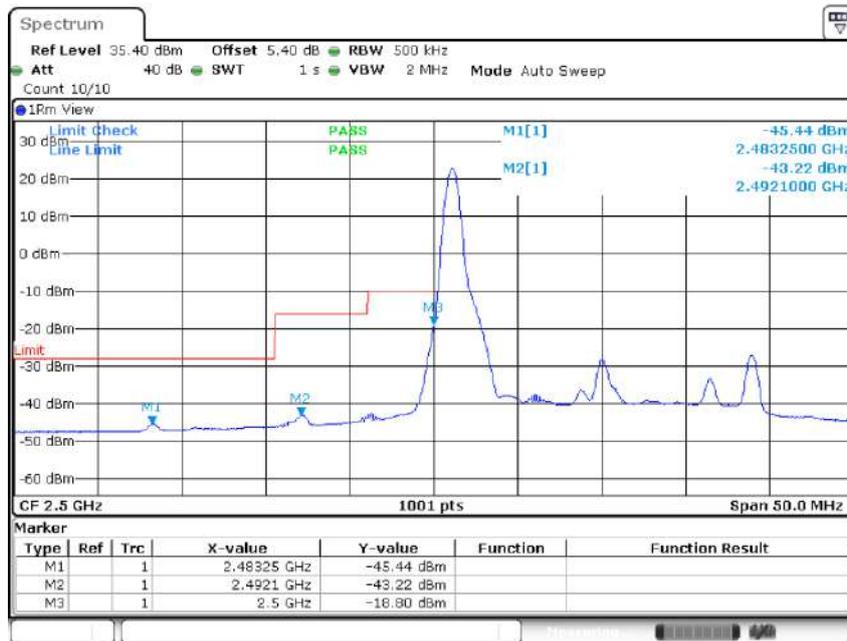
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 14 JUL 2020 08:22:44

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



Date: 9 JUL 2020 14:35:34

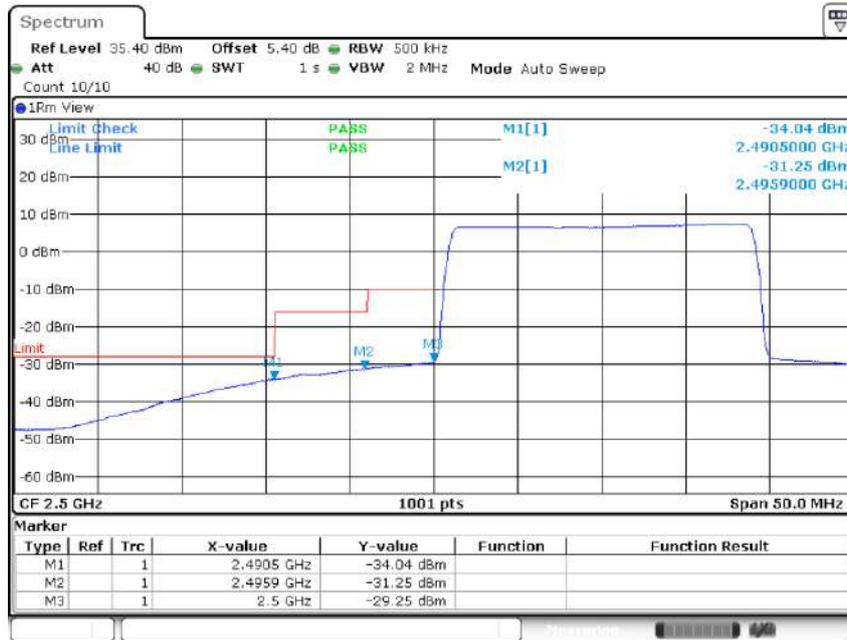


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

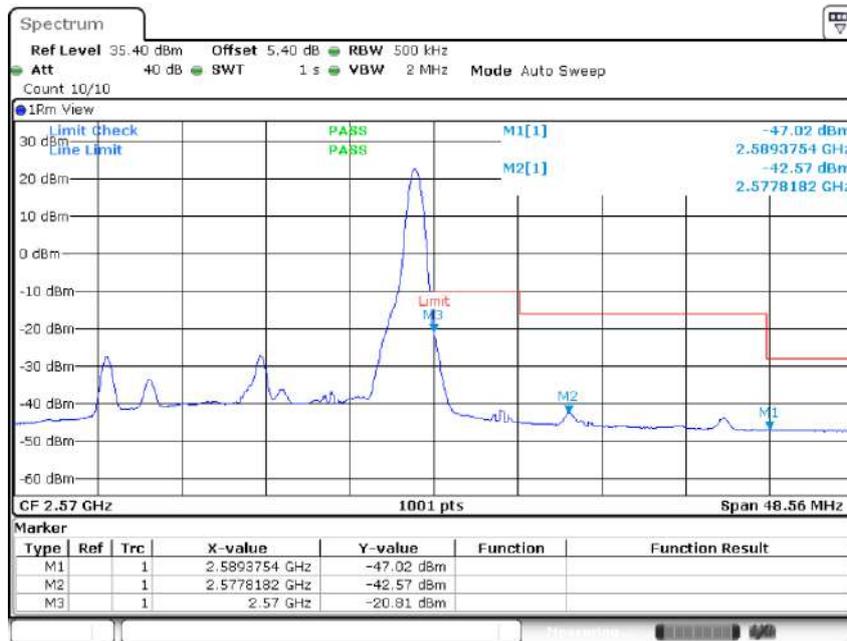
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 9 JUL 2020 14:37:07

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



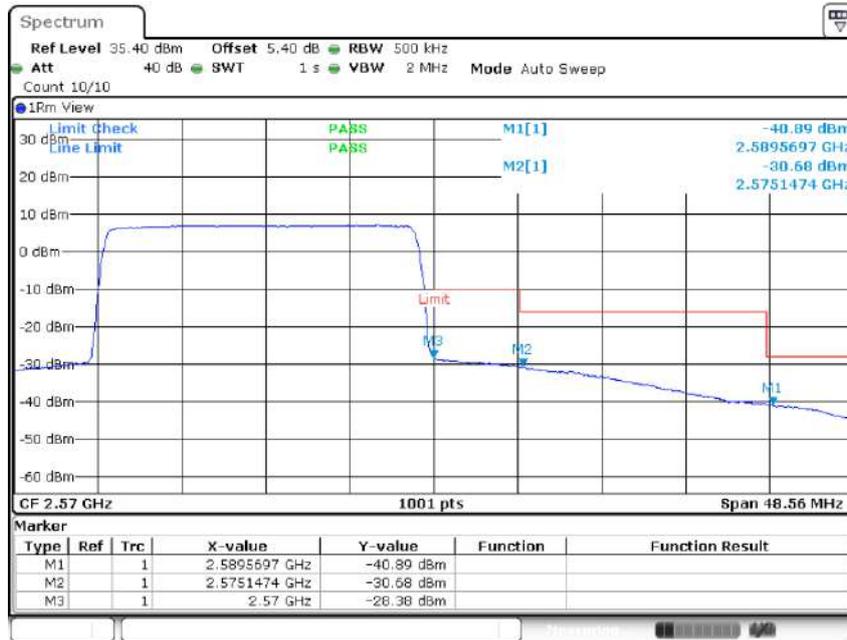
Date: 9 JUL 2020 14:36:20



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



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



Date: 9 JUL 2020 14:37:50



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.

6. Spurious Emission at Antenna Terminal

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

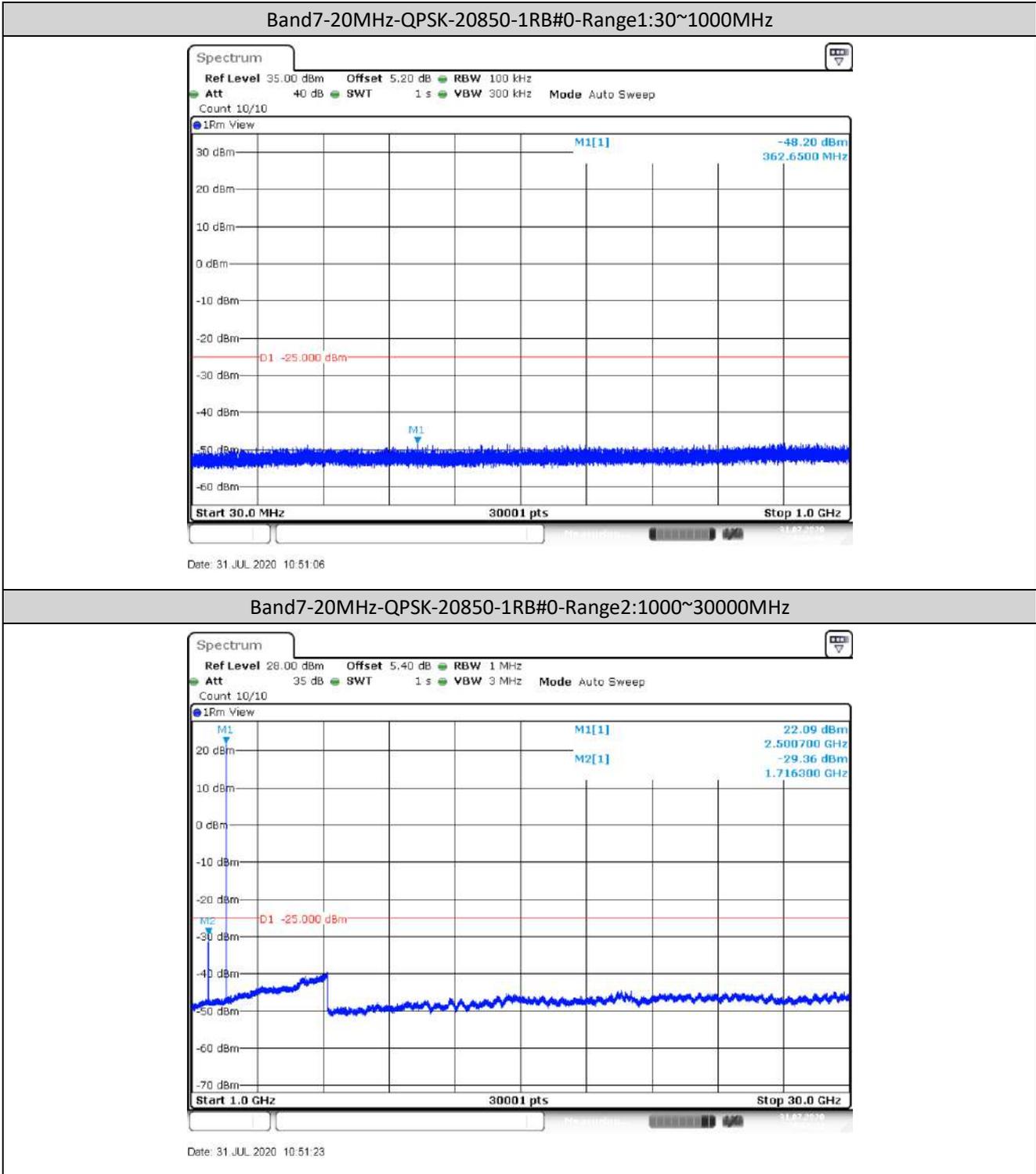
Remark2: only the worst case data displayed in this report.



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

6.1. Test Plots

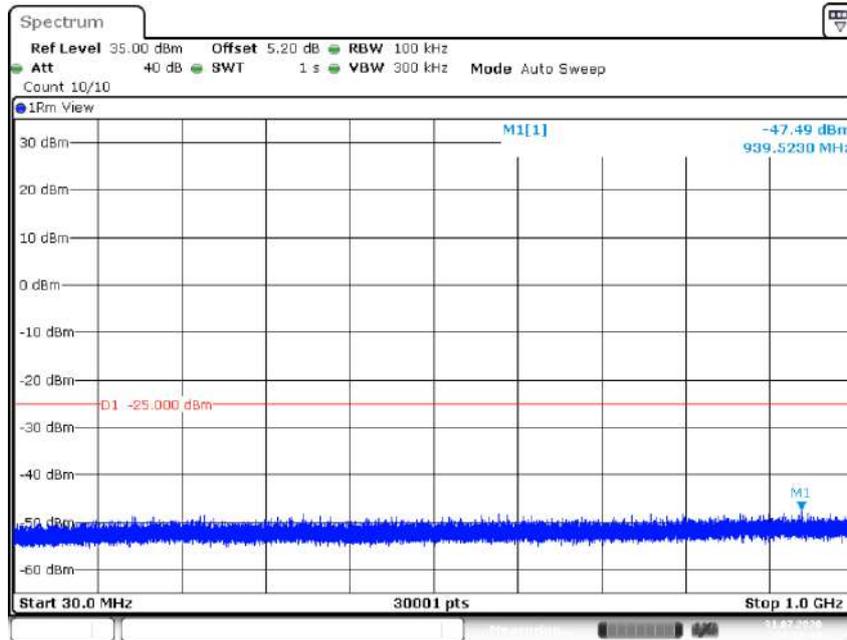


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

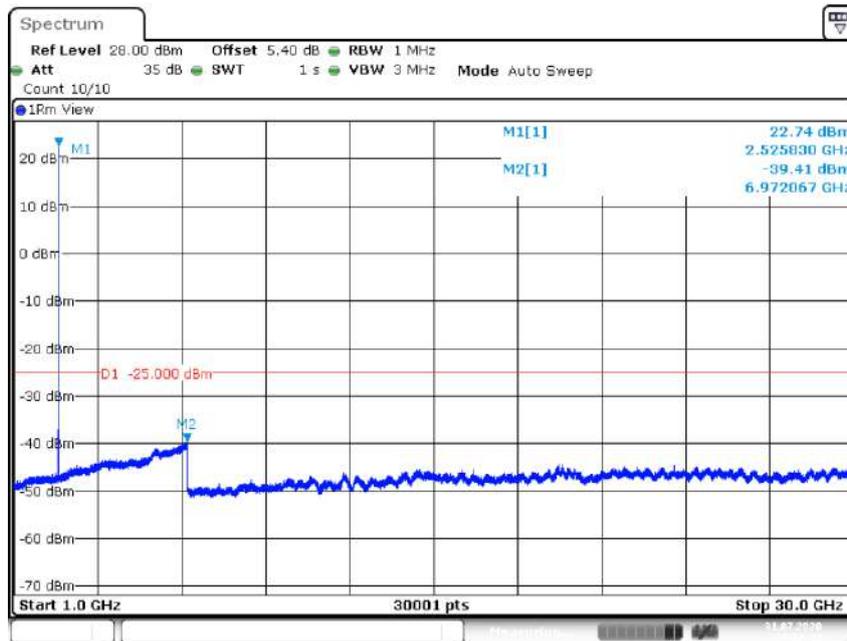
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755)26012053 f (86-755)26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)26012053 f (86-755)26710594 sgs.china@sgs.com

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



Date: 31 JUL 2020 10:52:16

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



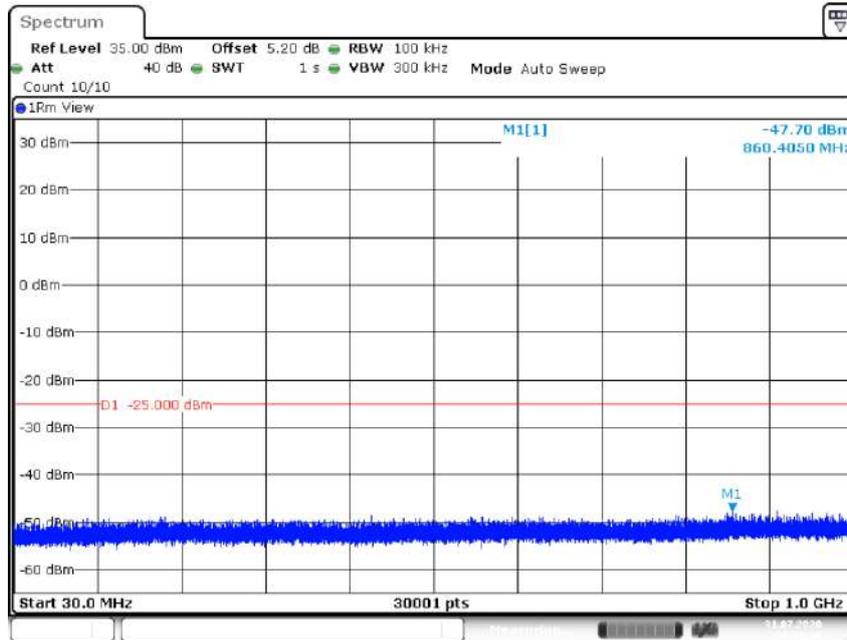
Date: 31 JUL 2020 10:52:33



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

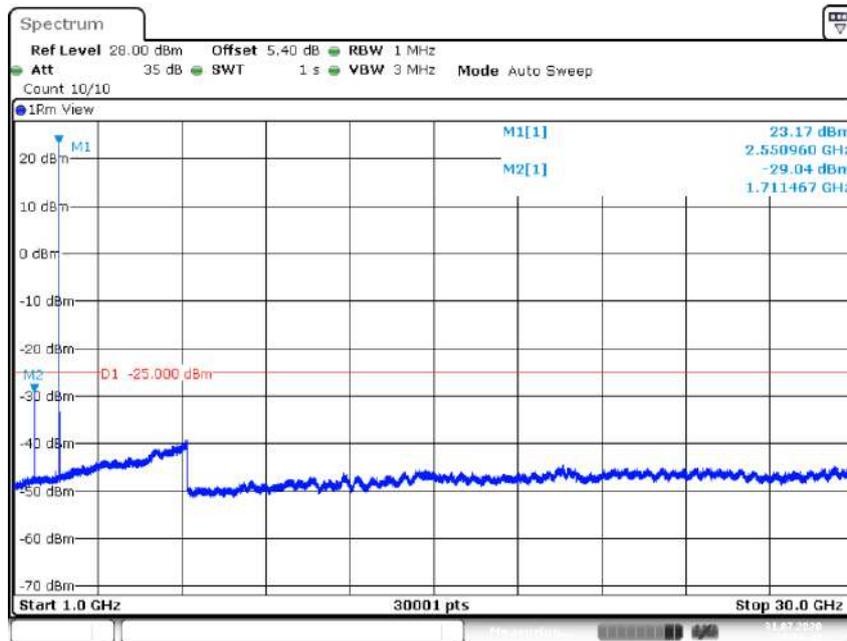
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31 JUL 2020 10:53:26

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

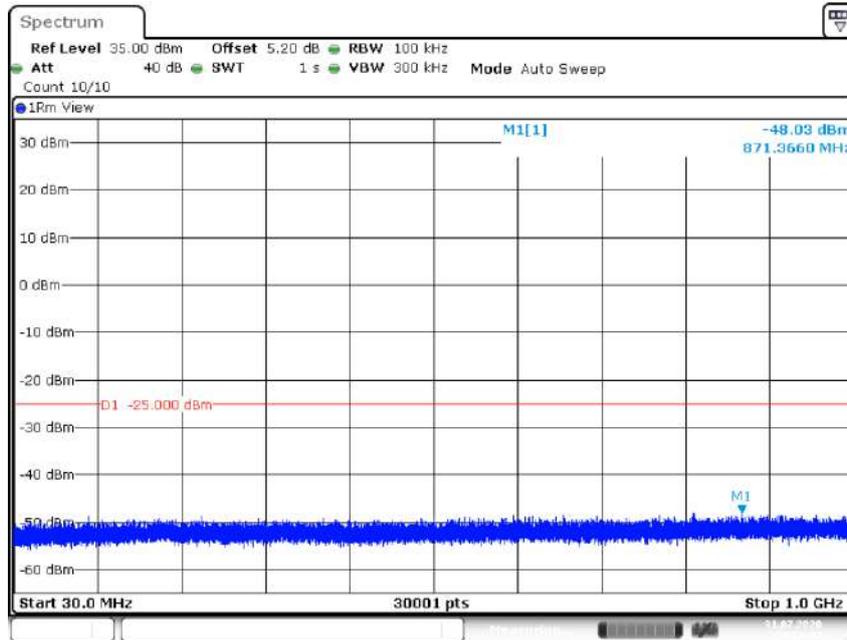


Date: 31 JUL 2020 10:53:43



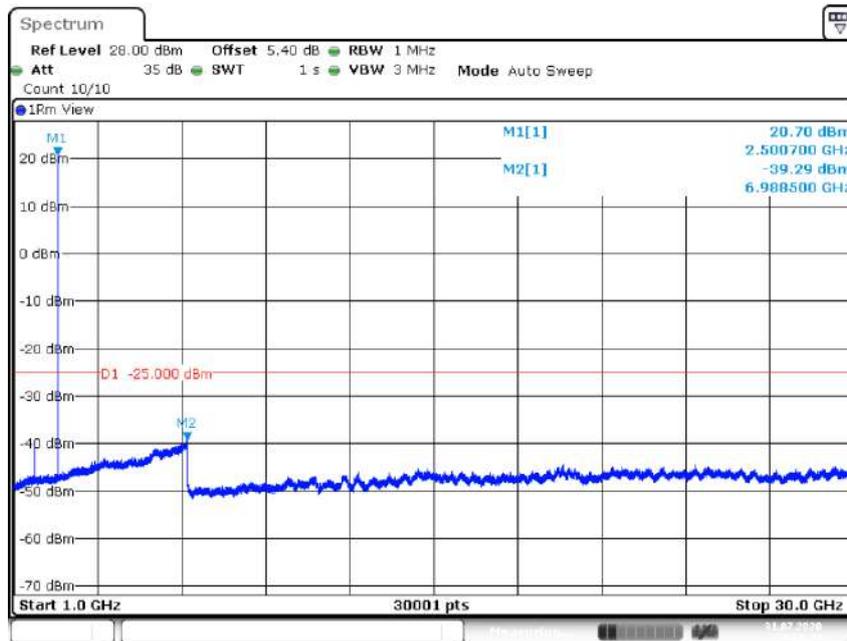
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31 JUL 2020 14:50:07

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

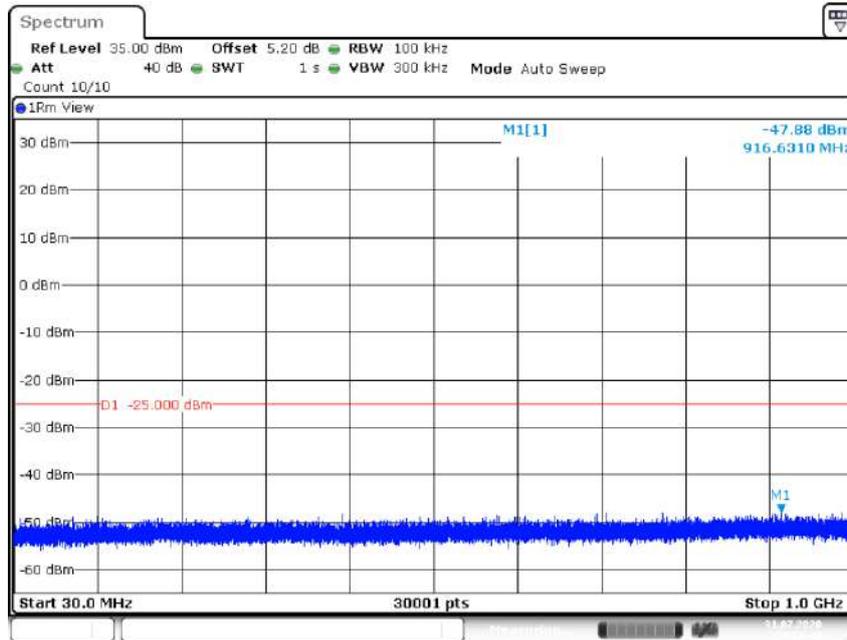


Date: 31 JUL 2020 14:50:24



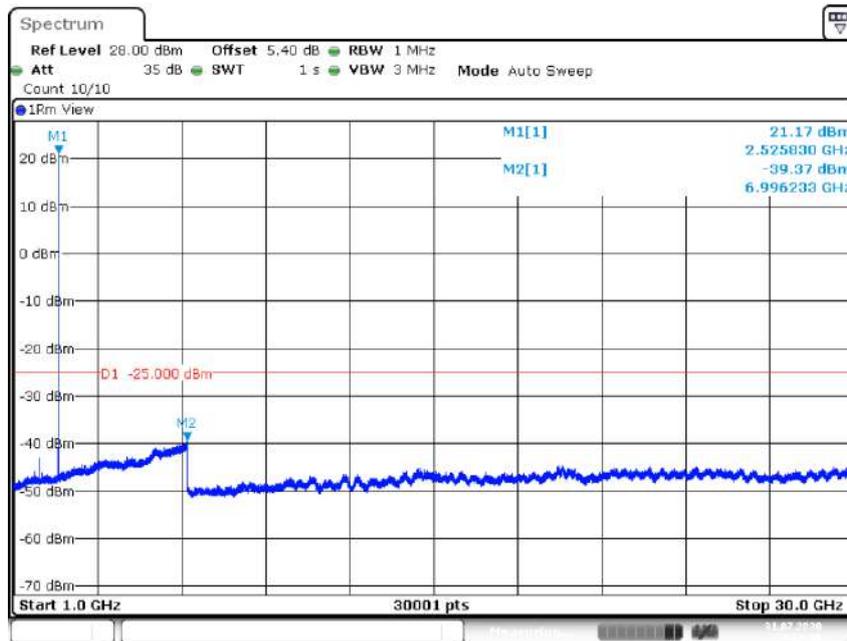
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31 JUL 2020 14:50:42

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



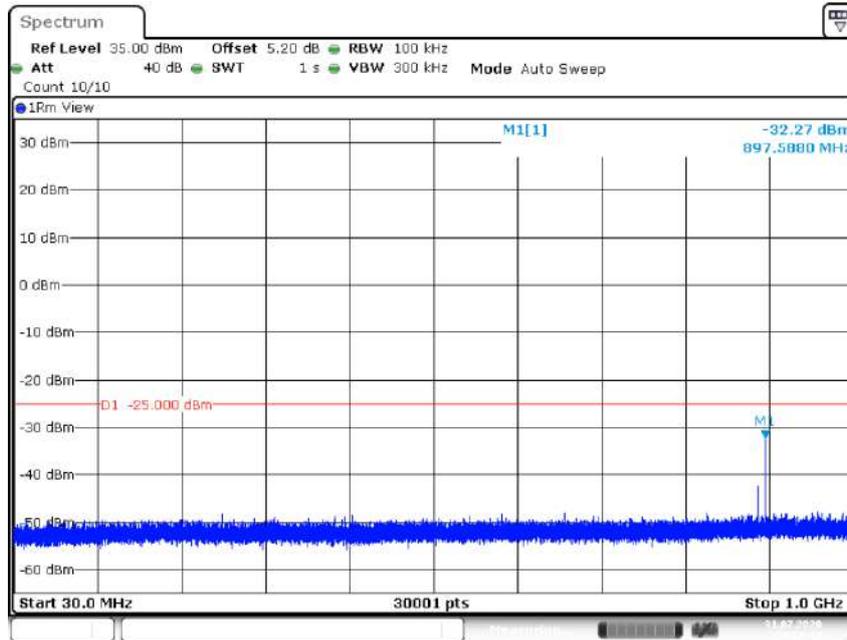
Date: 31 JUL 2020 14:50:59



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

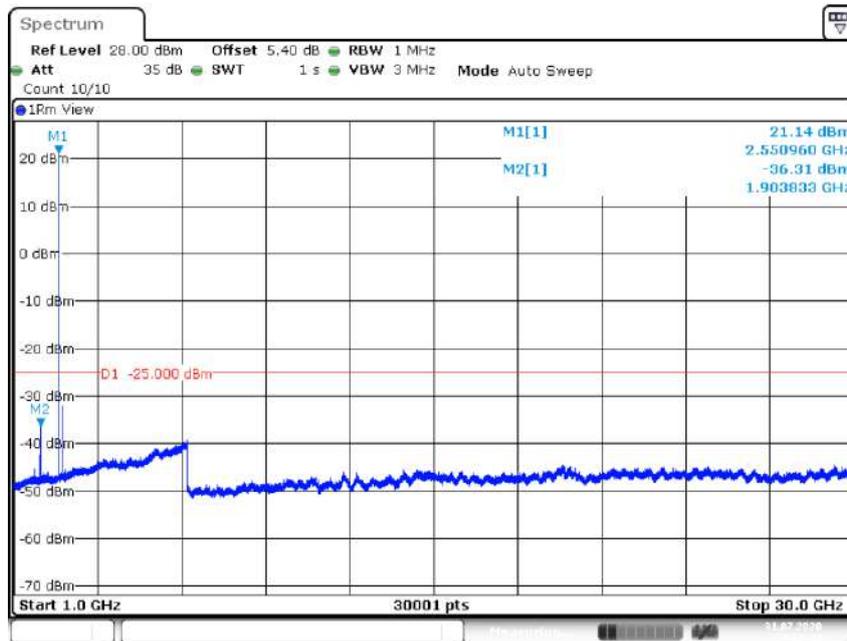
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31 JUL 2020 14:51:18

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

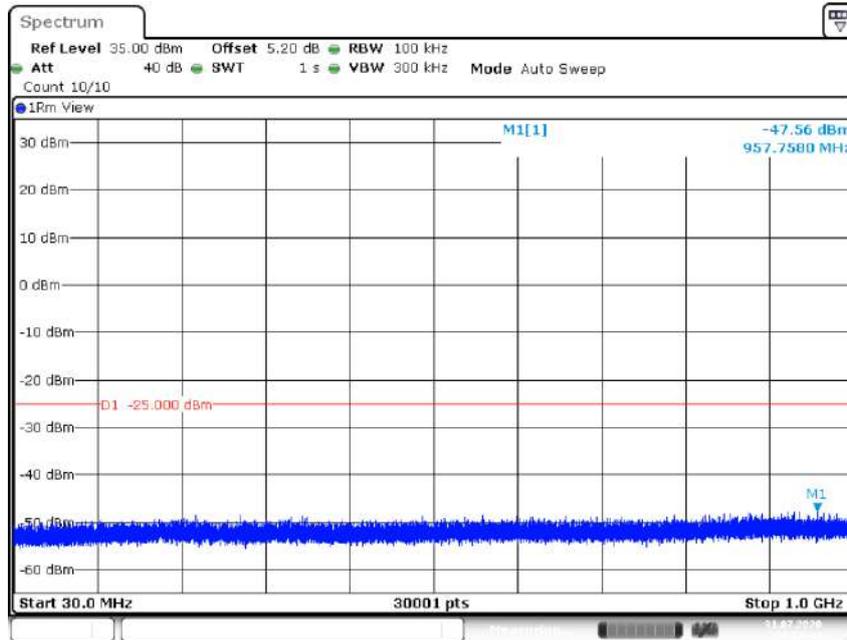


Date: 31 JUL 2020 14:51:34



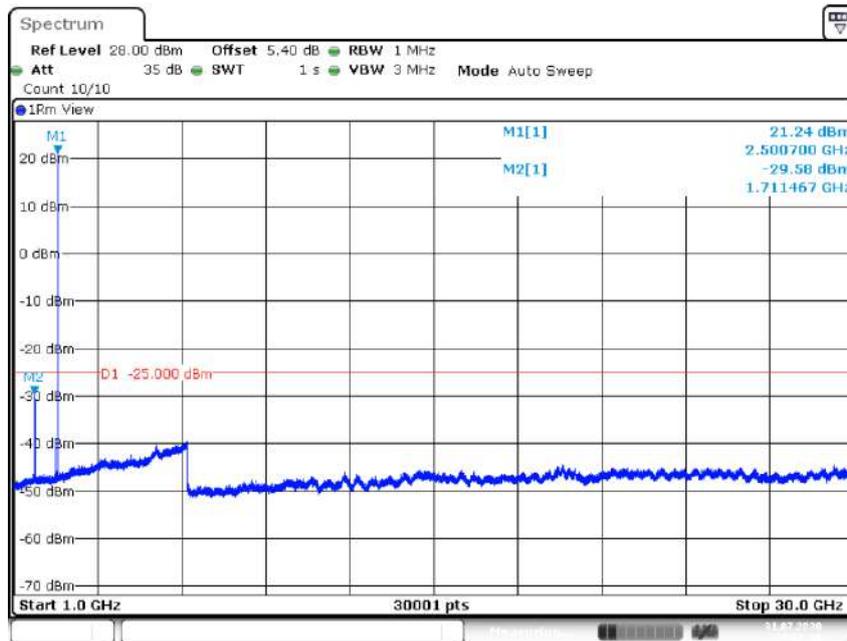
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 31 JUL 2020 10:51:41

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



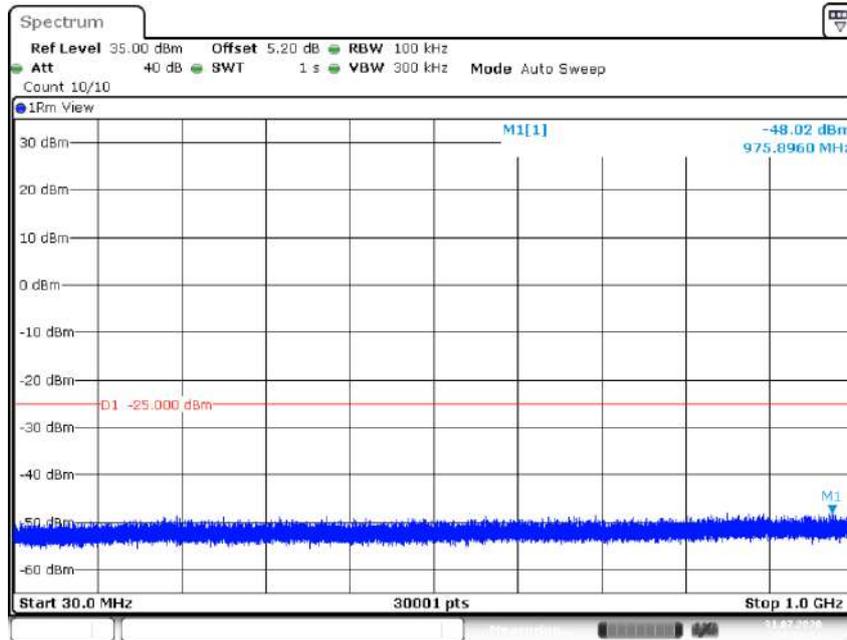
Date: 31 JUL 2020 10:51:58



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

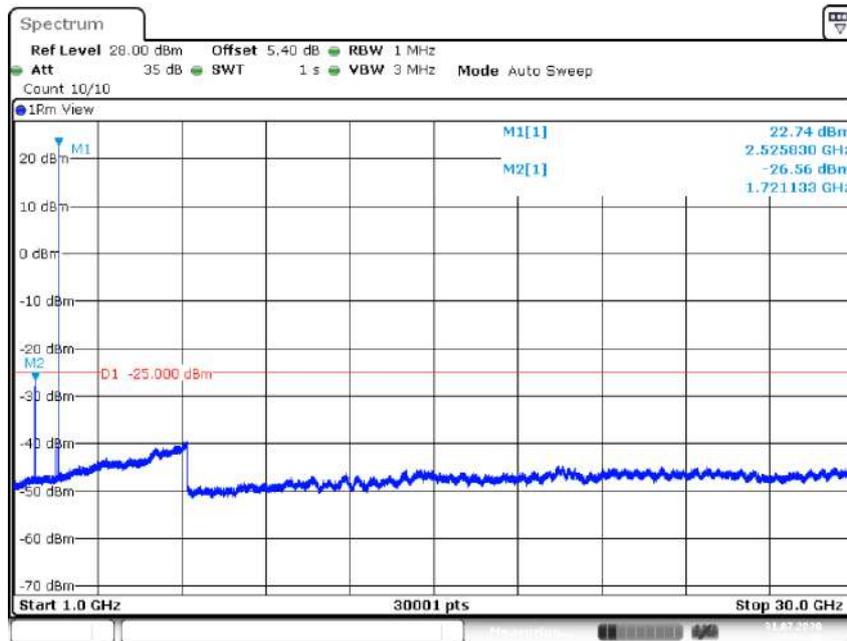
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31 JUL 2020 10:52:51

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



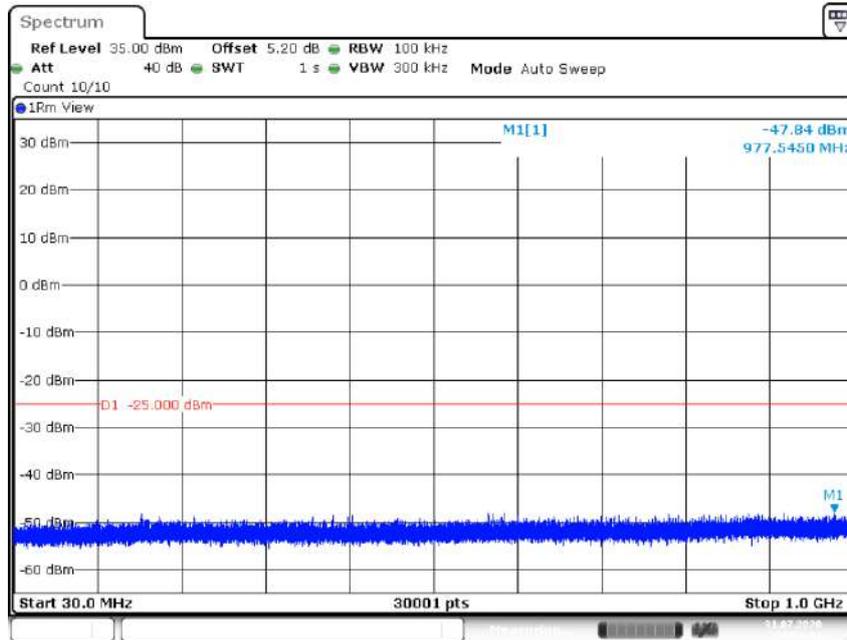
Date: 31 JUL 2020 10:53:07



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

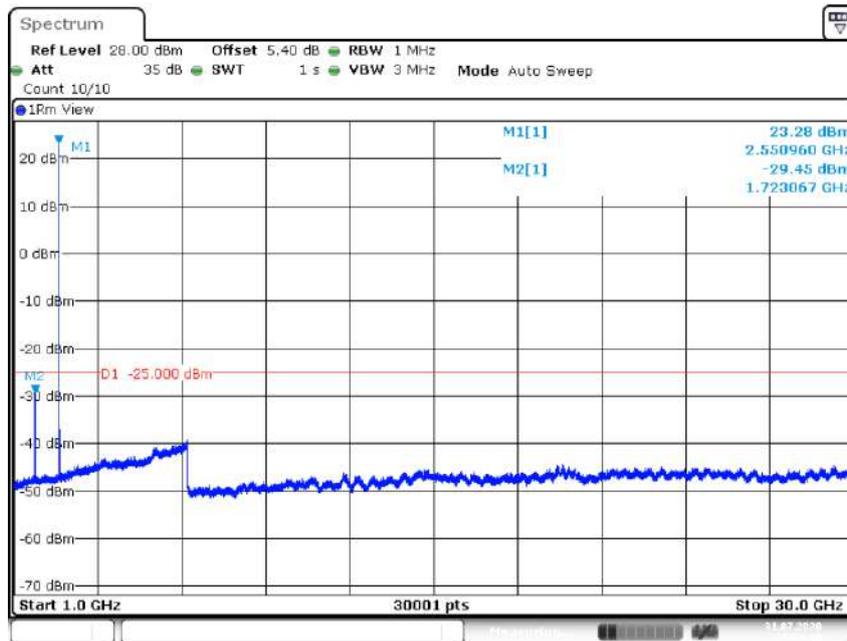
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 31 JUL 2020 10:54:01

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



Date: 31 JUL 2020 10:54:18



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-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

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)	Height [cm]	Angle [°]	Polarization
49.9830	-73.34	-25.00	48.34	241	304	Vertical
110.5140	-65.72	-25.00	40.72	256	156	Vertical
484.4677	-67.38	-25.00	42.38	284	262	Vertical
1786.9574	-45.09	-25.00	20.09	257	343	Vertical
7336.3735	-57.38	-25.00	32.38	263	71	Vertical
17998.8000	-41.57	-25.00	16.57	224	198	Vertical
42.4166	-63.90	-25.00	38.90	187	137	Horizontal
252.4806	-69.34	-25.00	44.34	165	116	Horizontal
591.9491	-65.10	-25.00	40.10	194	330	Horizontal
1950.9902	-44.46	-25.00	19.46	168	298	Horizontal
7464.7786	-58.23	-25.00	33.23	175	223	Horizontal
16381.1352	-45.83	-25.00	20.83	177	181	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
52.9416	-73.17	-25.00	48.17	224	216	Vertical
111.3871	-64.77	-25.00	39.77	259	344	Vertical
461.5746	-67.91	-25.00	42.91	271	131	Vertical
1779.7560	-45.22	-25.00	20.22	263	120	Vertical
8011.4005	-57.51	-25.00	32.51	284	26	Vertical
17993.3997	-41.93	-25.00	16.93	257	238	Vertical
43.1927	-64.74	-25.00	39.74	147	347	Horizontal
233.3222	-68.53	-25.00	43.53	165	156	Horizontal
716.4063	-63.47	-25.00	38.47	184	49	Horizontal
1763.3527	-45.72	-25.00	20.72	174	0	Horizontal
7366.3747	-58.14	-25.00	33.14	162	262	Horizontal
16398.5359	-46.03	-25.00	21.03	189	220	Horizontal



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

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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
47.5094	-73.66	-25.00	48.66	241	224	Vertical
115.2673	-66.15	-25.00	41.15	258	95	Vertical
384.6982	-67.96	-25.00	42.96	263	224	Vertical
1642.1284	-45.53	-25.00	20.53	274	50	Vertical
7362.7745	-57.79	-25.00	32.79	259	181	Vertical
17995.7998	-42.14	-25.00	17.14	226	266	Vertical
47.1699	-65.09	-25.00	40.09	184	323	Horizontal
240.8885	-69.20	-25.00	44.20	165	344	Horizontal
666.6428	-64.43	-25.00	39.43	174	302	Horizontal
1794.5589	-44.44	-25.00	19.44	159	32	Horizontal
7938.7976	-58.25	-25.00	33.25	148	302	Horizontal
16388.3355	-45.71	-25.00	20.71	162	68	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	4.70	0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-3.10	-0.001235	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-7.80	-0.003077	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-4.40	-0.001719	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-19.00	-0.007422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-10.10	-0.003945	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	3.20	0.001262	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-9.50	-0.003711	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-7.40	-0.002948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	5.50	0.002191	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-0.90	-0.000359	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	3.00	0.001183	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-7.10	-0.002801	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-3.70	-0.001445	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-8.00	-0.003125	±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

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



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	3.20	0.001275	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-3.50	-0.001394	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-5.46	-0.002175	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	1.70	0.000677	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-6.50	-0.002590	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-4.70	-0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-4.00	-0.001594	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-0.60	-0.000239	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	4.00	0.001594	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-12.00	-0.004734	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	2.50	0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	5.37	0.002118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	7.70	0.003037	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	0.80	0.000316	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	0.20	0.000079	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-4.80	-0.001875	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-5.98	-0.002336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-9.10	-0.003555	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-12.30	-0.004805	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-6.20	-0.002422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-11.50	-0.004492	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-10.50	-0.004102	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-6.80	-0.002709	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	-5.99	-0.002343	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-4.20	-0.001673	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-6.20	-0.002470	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-2.20	-0.000876	±2.5	PASS



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

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

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



Band7	20MHz	64QAM	20850	100RB#0	NV	40	0.60	0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.60	0.001036	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-0.60	-0.000237	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	2.60	0.001026	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	3.06	0.001207	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	0.70	0.000276	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	1.80	0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	1.70	0.000671	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-12.20	-0.004766	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-5.00	-0.001953	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	-12.08	-0.004719	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-12.70	-0.004961	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-14.30	-0.005586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-2.00	-0.000781	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	4.80	0.001912	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	6.70	0.002669	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	-7.40	-0.002948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-13.10	-0.005219	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-2.30	-0.000916	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	0.50	0.000199	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-3.40	-0.001355	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-8.80	-0.003506	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	1.70	0.000671	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-12.30	-0.004852	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-5.84	-0.002304	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-7.90	-0.003116	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-13.30	-0.005247	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-6.00	-0.002367	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-7.50	-0.002959	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-8.90	-0.003511	±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-a-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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	21350	100RB#0	NV	-30	-10.60	-0.004141	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-7.30	-0.002852	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	-6.78	-0.002648	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-4.50	-0.001758	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-6.90	-0.002695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-2.80	-0.001094	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-5.70	-0.002227	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-5.40	-0.002109	±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