



Appendix B

E-UTRA Band 7





CONTENT

1. EFFECTIVE (ISOTROPIC) RADIATED POWER.....	4
1.1. TEST RESULT	4
2. PEAK-TO-AVERAGE RATIO(CCDF).....	18
2.1. TEST RESULT	18
2.2. TEST PLOTS.....	18
3. MODULATION CHARACTERISTICS	23
3.1. TEST BAND = LTE BAND 7	23
3.2. TEST MODE = LTE /TM1 20MHZ.....	23
3.2.1. TEST CHANNEL = MCH.....	23
3.3. TEST MODE = LTE /TM2 20MHZ.....	24
3.3.1. TEST CHANNEL = MCH.....	24
3.4. TEST MODE = LTE /TM3 20MHZ.....	25
3.4.1. TEST CHANNEL = MCH.....	25
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	26
4.1. TEST RESULT	26
4.2. TEST PLOTS.....	27
5. BAND EDGE COMPLIANCE	45
5.1. TEST PLOTS.....	45
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	69
6.1. TEST PLOTS.....	69
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	77
7.1. MAIN ANTENNA	77
7.1.1. TEST BAND = LTE BAND 7	77
7.1.1.1. TEST MODE =LTE/TM1 20MHZ.....	77
7.1.1.1.1. TEST CHANNEL = LCH	77
7.1.1.1.1.1. HORIZONTAL	78
7.1.1.1.1.2. VERTICAL	79
7.1.1.1.2. TEST CHANNEL = MCH.....	80



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

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

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

7.1.1.1.2.1.	HORIZONTAL	80
7.1.1.1.2.2.	VERTICAL	81
7.1.1.1.3.	TEST CHANNEL = HCH	82
7.1.1.1.3.1.	HORIZONTAL	82
7.1.1.1.3.2.	VERTICAL	83
7.2.	SECONDARY ANTENNA	84
7.2.1.	TEST BAND = LTE BAND 7	84
7.2.1.1.	TEST MODE =LTE/TM1 20MHZ.....	84
7.2.1.1.1.	TEST CHANNEL = LCH	84
7.2.1.1.1.1.	HORIZONTAL	84
7.2.1.1.1.2.	VERTICAL	85
7.2.1.1.2.	TEST CHANNEL = MCH.....	86
7.2.1.1.2.1.	HORIZONTAL	86
7.2.1.1.2.2.	VERTICAL	87
7.2.1.1.3.	TEST CHANNEL = HCH	88
7.2.1.1.3.1.	HORIZONTAL	88
7.2.1.1.3.2.	VERTICAL	89
8.	FREQUENCY STABILITY	90
8.1.	FREQUENCY VS VOLTAGE	90
8.2.	FREQUENCY VS TEMPERATURE	90





1. Effective (Isotropic) Radiated Power

1.1. Test Result

Main Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.49	22.39	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.79	22.69	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.57	22.47	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.76	21.66	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.79	21.69	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.87	21.77	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.77	21.67	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.69	22.59	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.87	22.77	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.89	22.79	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.94	21.84	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.03	21.93	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.11	22.01	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.01	21.91	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.82	22.72	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.98	22.88	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.85	22.75	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.23	22.13	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.25	22.15	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.26	22.16	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.17	22.07	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.47	20.37	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.80	20.70	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.55	20.45	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.76	19.66	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.74	19.64	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.70	19.60	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.74	19.64	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.65	20.55	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.79	20.69	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.83	20.73	33.00	PASS



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

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

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

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

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band7	5MHz	64QAM	21100	12RB#0	19.92	19.82	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.93	19.83	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.94	19.84	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.93	19.83	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.77	20.67	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.91	20.81	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.83	20.73	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.16	20.06	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.14	20.04	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.19	20.09	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.10	20.00	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.61	21.51	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.91	21.81	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.67	21.57	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.76	20.66	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.76	20.66	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.71	20.61	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.74	20.64	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.82	21.72	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.96	21.86	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.96	21.86	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.96	20.86	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.97	20.87	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.07	20.97	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.90	20.8	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.94	21.84	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.04	21.94	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.95	21.85	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.14	21.04	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.18	21.08	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.17	21.07	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.06	20.96	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.53	22.43	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.84	22.74	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.62	22.52	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.77	21.67	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.84	21.74	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.97	21.87	33.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 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	QPSK	20800	50RB#0	21.80	21.70	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.75	22.65	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.08	22.98	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.82	22.72	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.97	21.87	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.03	21.93	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.00	21.9	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.04	21.94	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.84	22.74	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.11	23.01	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.87	22.77	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.29	22.19	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.16	22.06	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.31	22.21	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.26	22.16	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.56	20.46	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.77	20.67	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.71	20.61	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.76	19.66	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.76	19.66	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.85	19.75	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.71	19.61	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.64	20.54	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.97	20.87	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.82	20.72	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.91	19.81	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.96	19.86	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.09	19.99	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.95	19.85	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.92	20.82	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.98	20.88	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.82	20.72	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.22	20.12	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.05	19.95	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.16	20.06	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.12	20.02	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.66	21.56	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.70	21.6	33.00	PASS



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

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



Band7	10MHz	16QAM	20800	1RB#49	21.69	21.59	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.72	20.62	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.74	20.64	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.83	20.73	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.70	20.60	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.82	21.72	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.91	21.81	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.90	21.80	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.91	20.81	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.94	20.84	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.09	20.99	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.95	20.85	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.08	21.98	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.06	21.96	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.96	21.86	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.18	21.08	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.05	20.95	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.12	21.02	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.08	20.98	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.54	22.44	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.69	22.59	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.70	22.60	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.78	21.68	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	21.87	21.77	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.90	21.8	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.87	21.77	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.75	22.65	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.87	22.77	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.92	22.82	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.97	21.87	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.04	21.94	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.10	22.00	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.07	21.97	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.81	22.71	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.03	22.93	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.93	22.83	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.29	22.19	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.26	22.16	33.00	PASS



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

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

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

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



Band7	15MHz	QPSK	21375	36RB#39	22.33	22.23	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.36	22.26	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.52	20.42	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.68	20.58	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.79	20.69	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.80	19.70	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	19.78	19.68	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.00	19.90	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.75	19.65	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.67	20.57	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.76	20.66	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.87	20.77	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.99	19.89	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	19.99	19.89	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.17	20.07	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.98	19.88	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.93	20.83	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.00	20.90	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.86	20.76	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.22	20.12	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.11	20.01	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.19	20.09	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.27	20.17	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.62	21.52	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.70	21.6	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.72	21.62	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.74	20.64	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.79	20.69	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	20.99	20.89	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.76	20.66	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.77	21.67	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.89	21.79	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.95	21.85	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.98	20.88	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	20.99	20.89	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.17	21.07	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.98	20.88	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.00	21.90	33.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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	21375	1RB#38	22.08	21.98	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.92	21.82	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.19	21.09	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.08	20.98	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.18	21.08	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.24	21.14	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.46	22.36	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.89	22.79	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.93	22.83	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.92	21.82	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.93	21.83	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.98	21.88	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.94	20.84	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.64	22.54	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.09	22.99	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.13	23.03	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.02	21.92	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.08	21.98	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.19	22.09	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.13	21.03	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.79	22.69	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.23	23.13	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.09	22.99	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.38	22.28	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.31	22.21	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.47	22.37	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.33	21.23	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.40	20.30	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.8	20.7	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.03	20.93	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.83	19.73	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.83	19.73	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.08	19.98	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.86	19.76	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.62	20.52	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.01	20.91	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.11	21.01	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.92	19.82	33.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, CSTC 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	20MHz	64QAM	21100	50RB#25	19.96	19.86	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.03	19.93	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.09	19.99	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.75	20.65	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.03	20.93	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.3	21.2	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.28	20.18	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.16	20.06	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.31	20.21	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.11	20.01	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.51	21.41	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.86	21.76	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.12	22.02	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.83	20.73	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.81	20.71	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.06	20.96	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.87	20.77	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.65	21.55	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.06	21.96	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.17	22.07	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.92	20.82	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.96	20.86	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.00	20.90	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.08	20.98	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.78	21.68	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.98	21.88	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.31	22.21	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.28	21.18	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.13	21.03	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.30	21.20	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.08	20.98	33.00	PASS



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

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

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

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



Secondary Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.24	19.94	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.28	19.98	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.27	19.97	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.08	19.78	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.15	19.85	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.32	20.02	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.13	19.83	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.24	19.94	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.44	20.14	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.32	20.02	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.32	20.02	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.32	20.02	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.37	20.07	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.30	20.00	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.38	20.08	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.58	20.28	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.53	20.23	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.30	20.00	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.21	19.91	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.21	19.91	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.18	19.88	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.21	19.91	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.00	19.70	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.12	19.82	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.21	18.91	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.20	18.90	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.00	18.70	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.05	18.75	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.29	19.99	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.00	19.70	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.09	19.79	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.06	18.76	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.14	18.84	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.97	18.67	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.95	18.65	33.00	PASS



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 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	1RB#0	21.00	19.70	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.19	19.89	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.71	19.41	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.24	18.94	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.30	19.00	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.41	19.11	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.15	18.85	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.02	19.72	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.06	19.76	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.09	19.79	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.87	19.57	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.00	19.70	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.90	19.60	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.05	19.75	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.03	19.73	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.19	19.89	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.39	20.09	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.05	19.75	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.15	19.85	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.89	19.59	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.09	19.79	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.27	19.97	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.35	20.05	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.75	19.45	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.33	20.03	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.38	20.08	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.36	20.06	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.18	19.88	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.35	20.05	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.44	20.14	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.30	20.00	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.08	19.78	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.15	19.85	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.20	19.90	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.14	19.84	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.38	20.08	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.64	20.34	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.38	20.08	33.00	PASS



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

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

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

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



Band7	10MHz	QPSK	21100	25RB#0	21.32	20.02	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.24	19.94	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.35	20.05	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.28	19.98	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.51	20.21	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.70	20.40	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.56	20.26	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.28	19.98	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.20	19.90	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.15	19.85	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.22	19.92	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.70	19.40	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.34	20.04	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.13	19.83	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.02	18.72	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.96	18.66	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.81	18.51	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.93	18.63	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.71	19.41	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.83	19.53	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.93	19.63	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.02	18.72	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.98	18.68	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.04	18.74	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.93	18.63	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.28	19.98	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.32	20.02	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.09	19.79	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.24	18.94	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.19	18.89	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.07	18.77	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.32	19.02	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.27	19.97	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.69	20.39	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.99	19.69	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.09	19.79	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.99	19.69	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.96	19.66	33.00	PASS



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

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



Band7	10MHz	16QAM	20800	50RB#0	20.93	19.63	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.01	19.71	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.65	20.35	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.26	19.96	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.98	19.68	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.94	19.64	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.04	19.74	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.97	19.67	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.82	19.52	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.33	20.03	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.48	20.18	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.43	20.13	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.25	19.95	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.26	19.96	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.36	20.06	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.27	19.97	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.52	20.22	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.34	20.04	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.07	19.77	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	21.21	19.91	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.32	20.02	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.22	19.92	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.34	20.04	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.38	20.08	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.40	20.10	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.14	19.84	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.10	19.80	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.34	20.04	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.34	20.04	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.51	20.21	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.54	20.24	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.61	20.31	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.36	20.06	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.24	19.94	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.12	19.82	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.21	19.91	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.94	19.64	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.92	19.62	33.00	PASS



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

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



Band7	15MHz	64QAM	20825	1RB#74	20.84	19.54	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.01	18.71	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.06	18.76	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.95	18.65	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.02	18.72	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.10	19.80	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.84	19.54	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.96	19.66	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.04	18.74	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.07	18.77	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.08	18.78	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.01	18.71	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.93	19.63	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.39	20.09	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.18	19.88	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.31	19.01	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.20	18.90	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.41	19.11	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.28	18.98	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.09	19.79	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.14	19.84	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.22	19.92	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.14	19.84	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.92	19.62	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.15	19.85	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.00	19.70	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.08	19.78	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.78	19.48	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.81	19.51	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.12	19.82	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.06	19.76	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.19	19.89	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.09	19.79	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.54	20.24	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.29	19.99	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.04	19.74	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.39	20.09	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.28	19.98	33.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) 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	21375	36RB#39	21.38	20.08	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.30	20.00	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.40	20.10	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.71	20.41	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.50	20.20	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.28	19.98	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.26	19.96	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.45	20.15	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.15	19.85	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.24	19.94	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.69	20.39	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.57	20.27	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.16	19.86	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.10	19.80	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.50	20.20	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.17	19.87	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.48	20.18	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.45	20.15	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.68	20.38	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.42	20.12	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.17	19.87	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.13	19.83	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.40	20.10	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.01	19.71	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.37	20.07	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.10	19.8	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.00	18.70	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.00	18.70	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.98	18.68	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.18	18.88	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.73	19.43	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.06	19.76	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.02	19.72	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.03	18.73	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.04	18.74	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.06	18.76	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.01	18.71	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.77	19.47	33.00	PASS



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

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

Band7	20MHz	64QAM	21350	1RB#49	21.18	19.88	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.28	19.98	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.21	18.91	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.34	19.04	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.30	19.00	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.25	18.95	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.15	19.85	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.40	20.10	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.32	20.02	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.06	19.76	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.03	19.73	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.08	19.78	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.24	19.94	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	20.96	19.66	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.47	20.17	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.33	20.03	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.07	19.77	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.08	19.78	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.99	19.69	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.27	19.97	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.20	19.90	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.09	19.79	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.90	19.60	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.34	20.04	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.26	19.96	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.40	20.10	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.37	20.07	33.00	PASS

Remark:

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

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

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



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

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

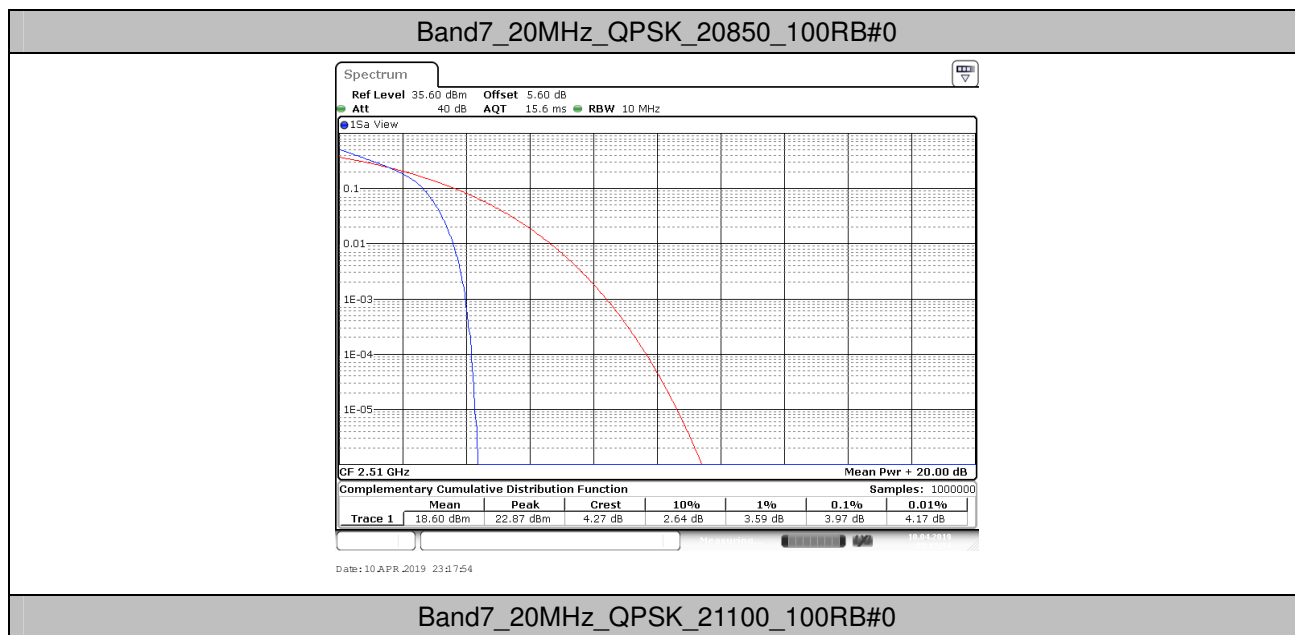
t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

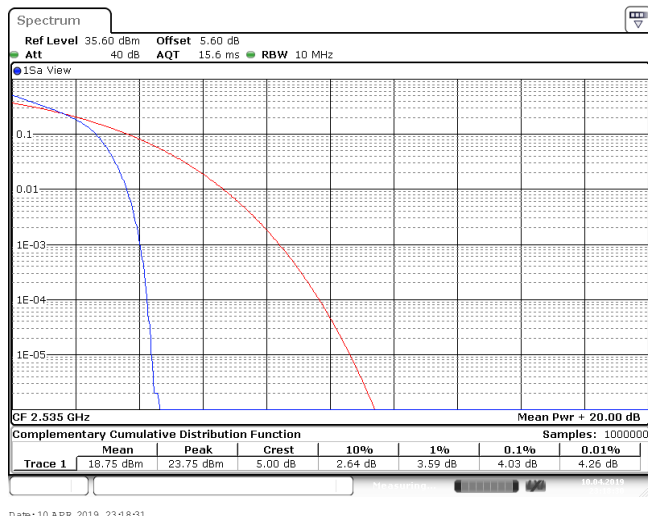
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

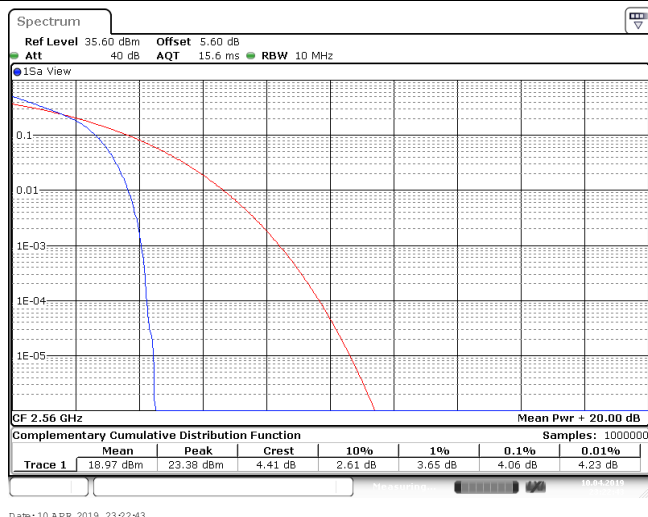
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	3.97	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.03	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.06	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	4.00	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	4.09	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.65	13	PASS

2.2. Test Plots



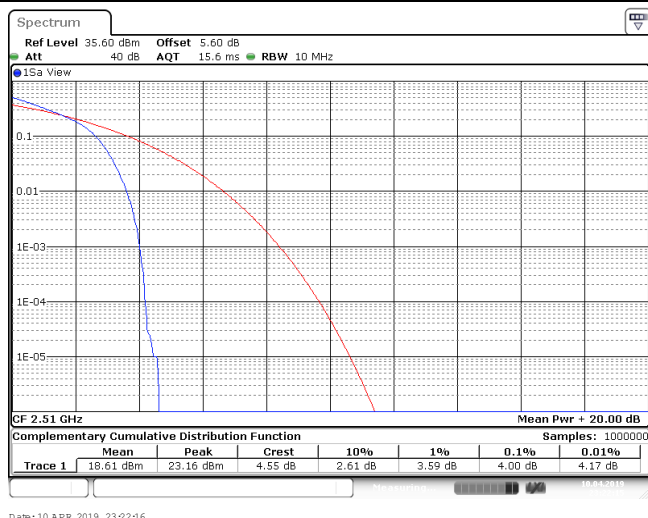


Band7_20MHz_QPSK_21350_100RB#0



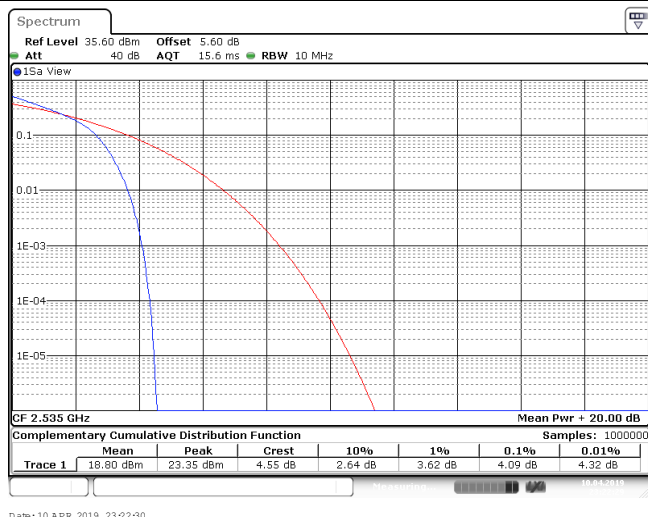
Band7_20MHz_64QAM_20850_100RB#0





Date: 10 APR 2019 23:22:16

Band7_20MHz_64QAM_21100_100RB#0



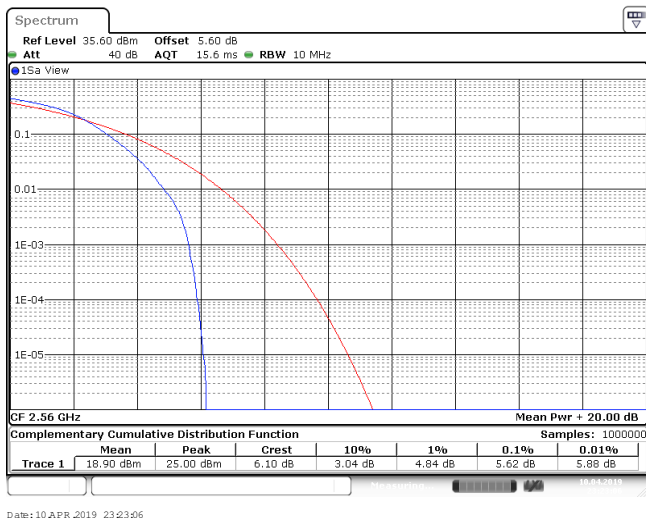
Date: 10 APR 2019 23:22:30

Band7_20MHz_64QAM_21350_100RB#0

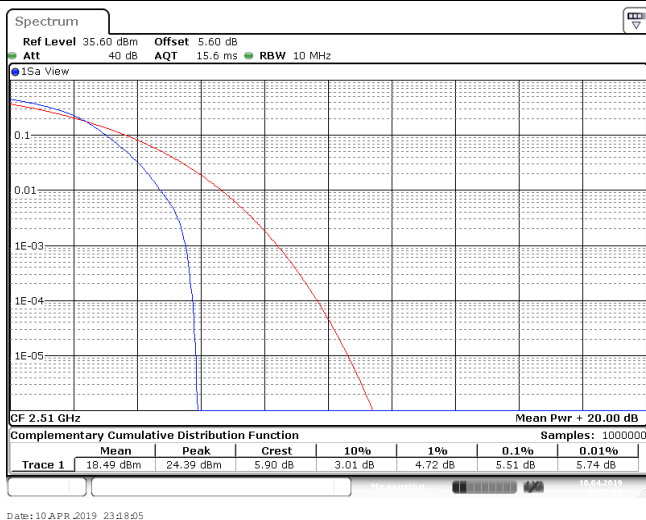


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

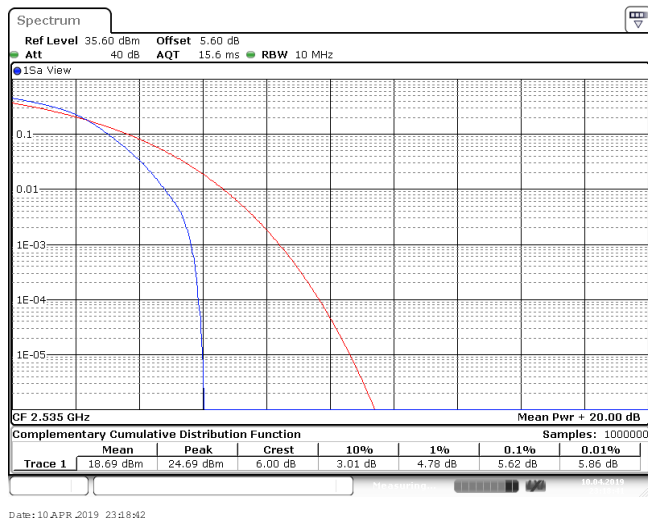


Band7_20MHz_16QAM_20850_100RB#0



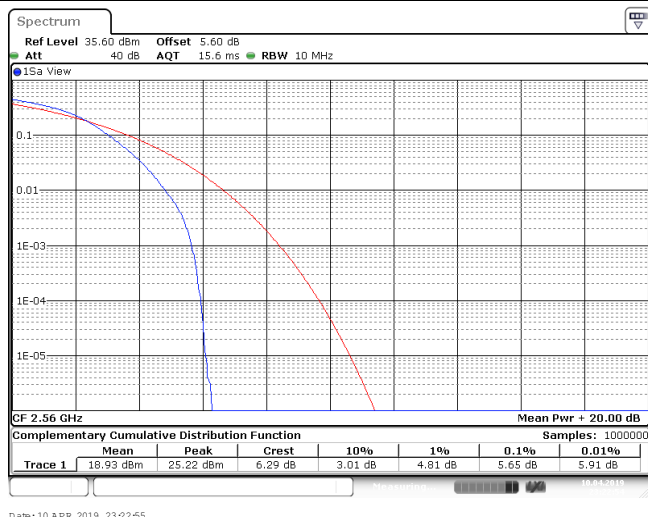
Band7_20MHz_16QAM_21100_100RB#0





Date: 10 APR 2019 23:48:42

Band7_20MHz_16QAM_21350_100RB#0



Date: 10 APR 2019 23:22:55



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

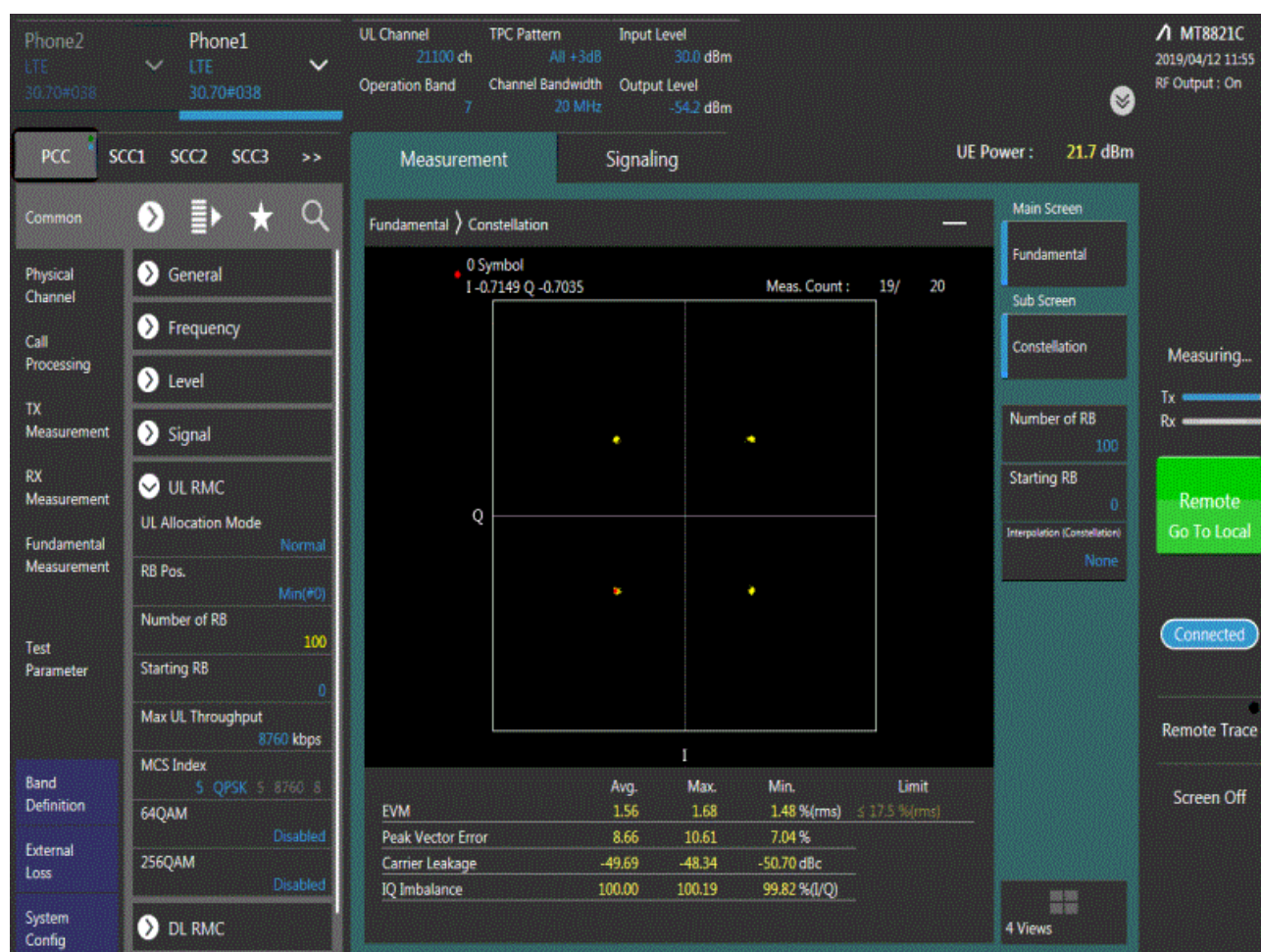
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

3. Modulation Characteristics

3.1. Test BAND = LTE Band 7

3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH



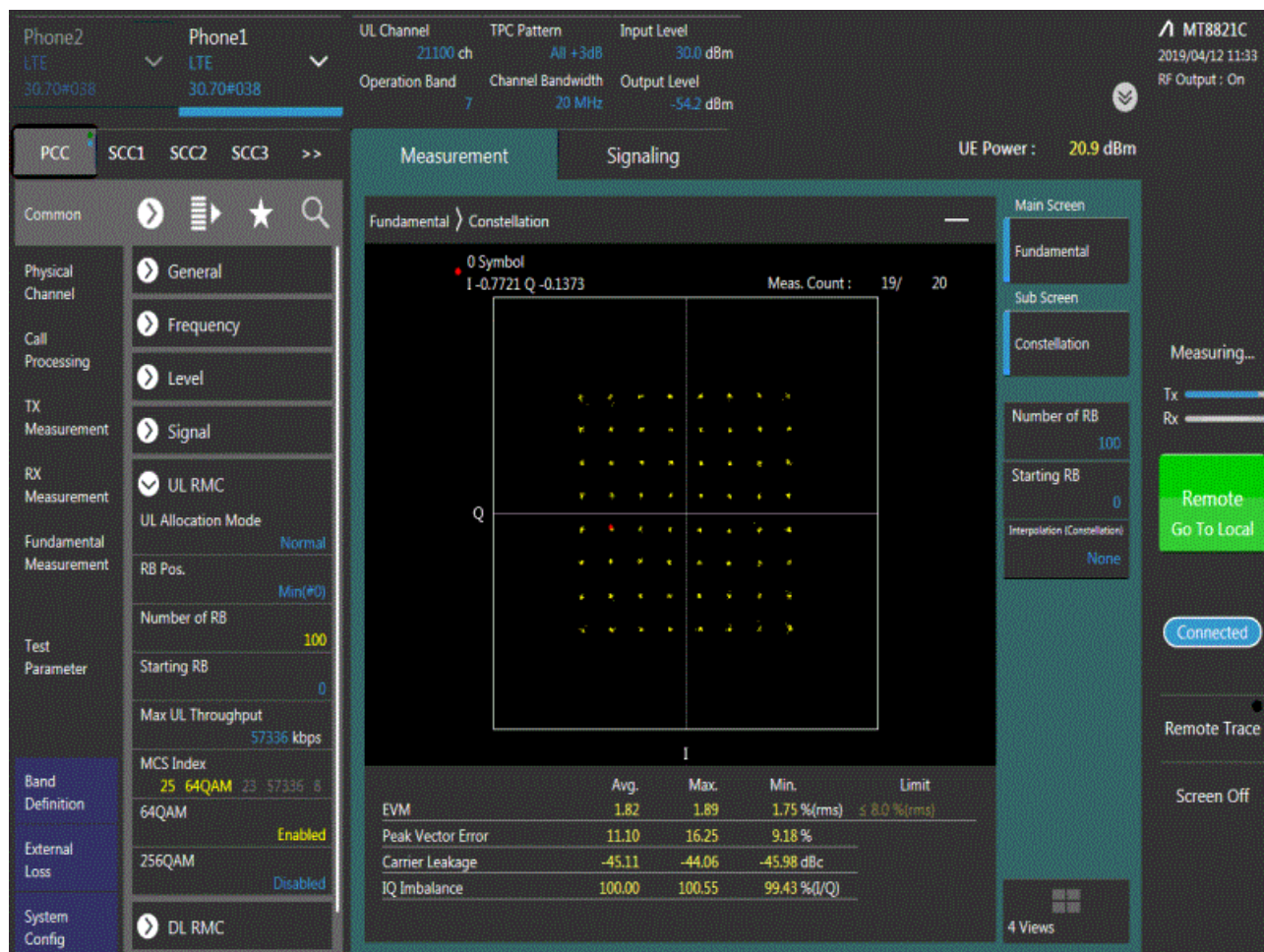
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have accepted the terms and conditions of the document and to have agreed to indemnify and hold the Company harmless from all claims, damages, losses and expenses, including reasonable legal costs, which may be incurred by the Company in connection with the document. The Company's sole responsibility is to its Client and this document does not concern parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is strictly prohibited and may result in severe civil and criminal penalties. Any other results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

3.3. Test Mode = LTE /TM2 20MHz

3.3.1. Test Channel = MCH

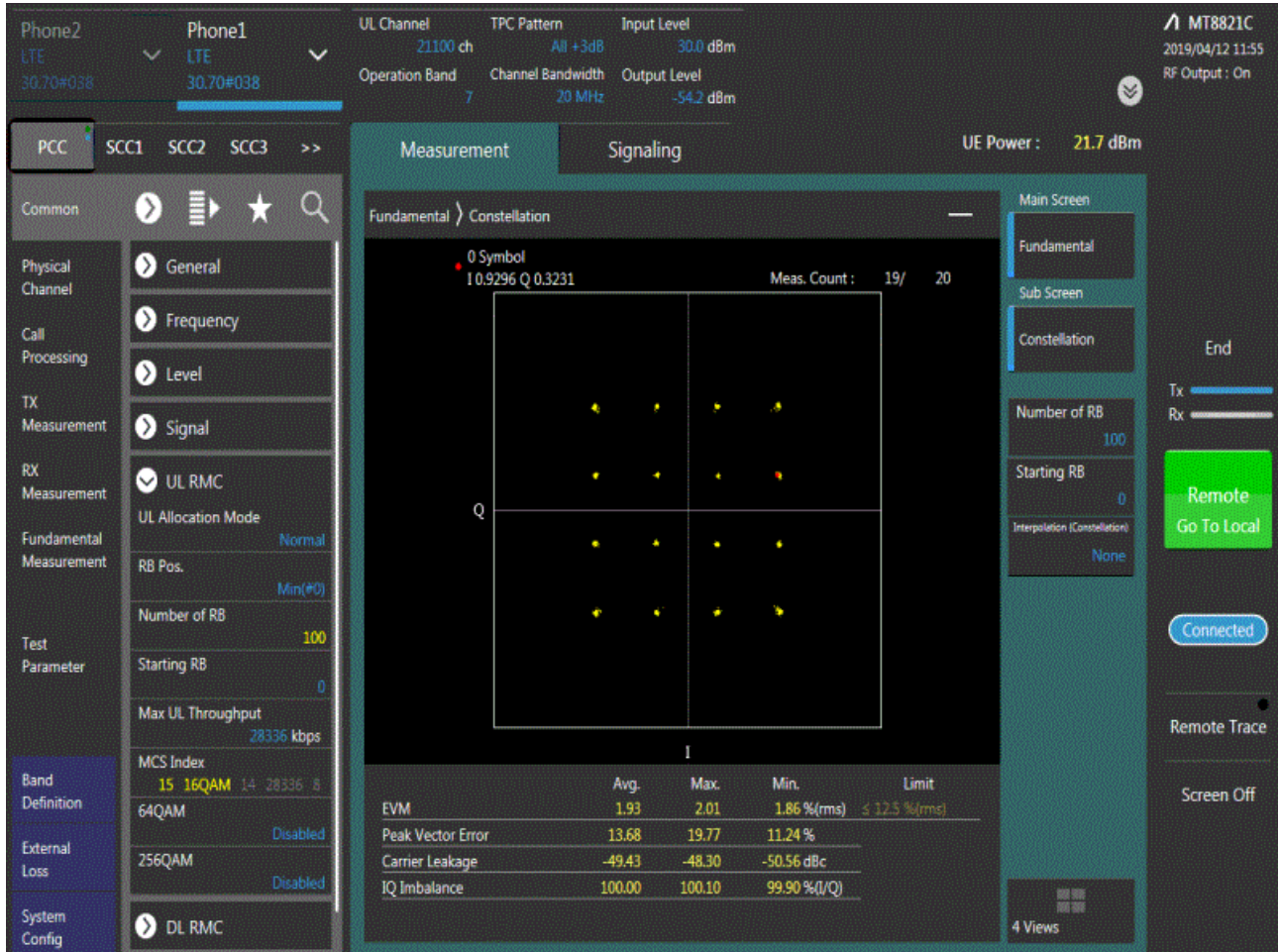


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

3.4. Test Mode = LTE /TM3 20MHz

3.4.1. Test Channel = MCH





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	4.486	4.920	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.486	4.920	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.486	4.910	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.486	4.920	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.930	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.496	4.910	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.910	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.920	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.951	9.840	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.800	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.760	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.951	9.780	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.800	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.951	9.780	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.800	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.840	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.951	9.800	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.546	15.150	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.546	15.150	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.516	15.090	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.516	15.060	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.516	15.090	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.516	15.030	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.516	15.030	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.516	15.060	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.516	15.090	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.800	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.942	19.800	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.942	19.680	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.942	19.760	PASS

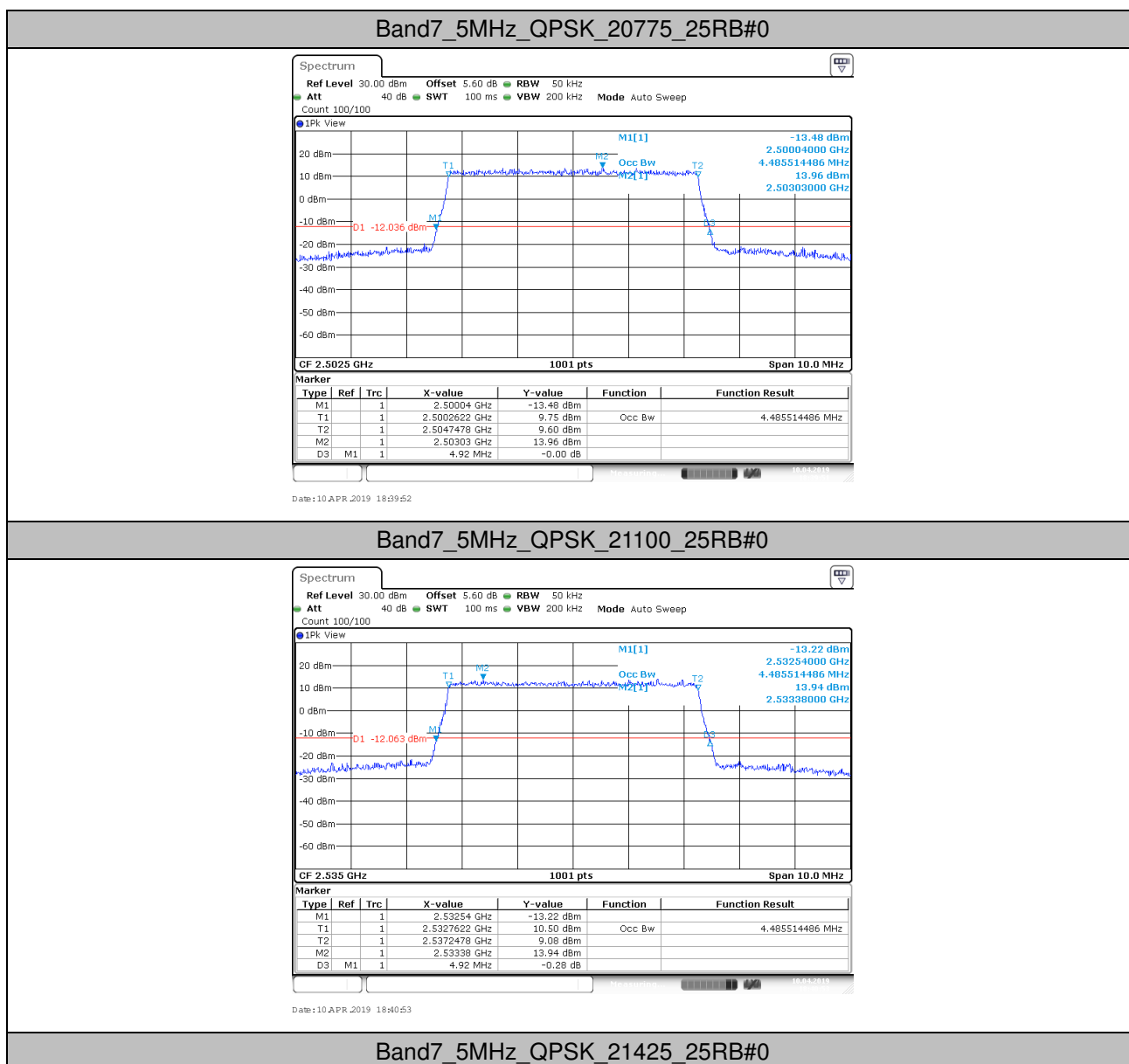


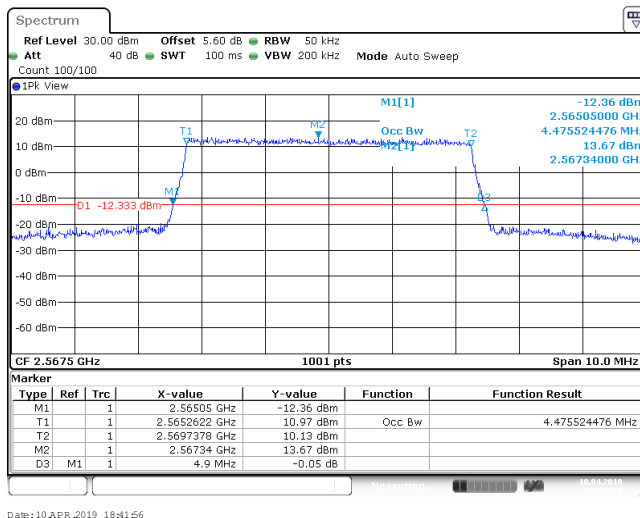
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

Band7	20MHz	64QAM	21100	100RB#0	18.022	19.840	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.942	19.720	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.982	19.760	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.982	19.800	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.942	19.880	PASS

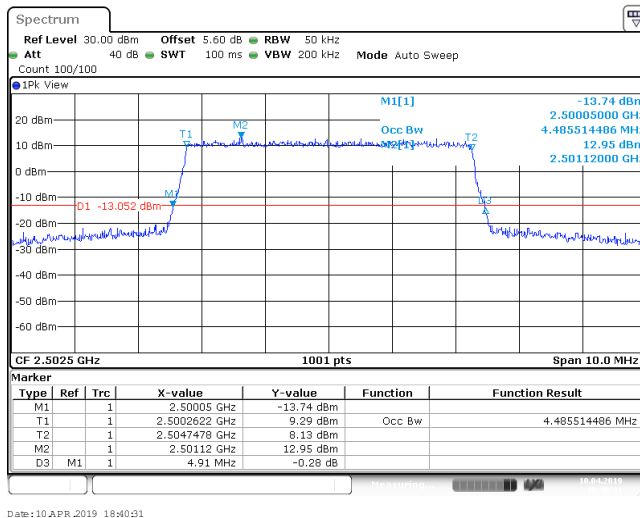
4.2. Test Plots





Date: 10 APR 2019 18:41:56

Band7_5MHz_64QAM_20775_25RB#0



Date: 10 APR 2019 18:40:51

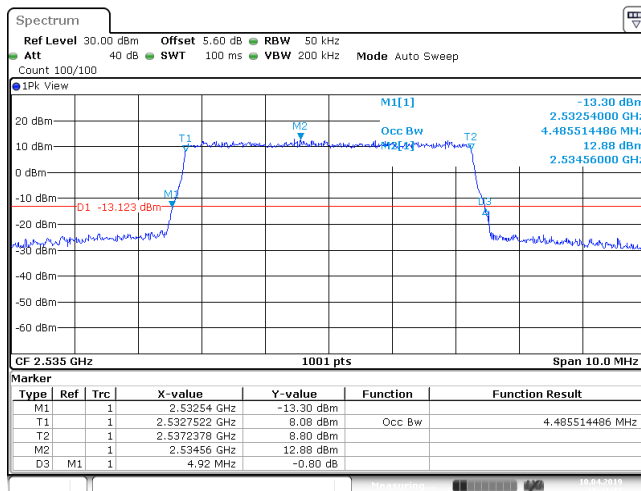
Band7_5MHz_64QAM_21100_25RB#0



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMA, CNAS, ILAC) Laboratory

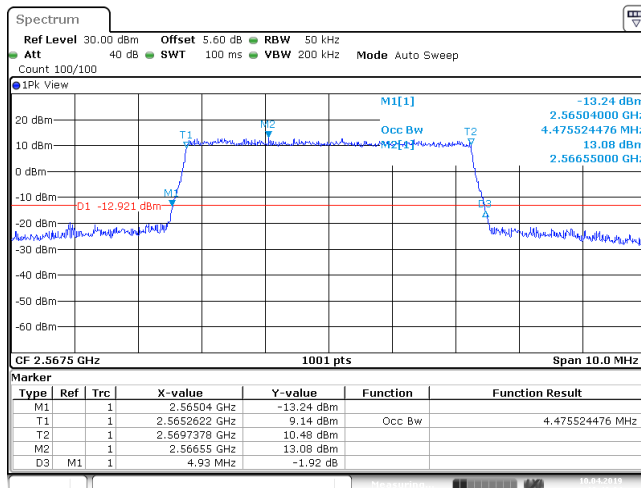
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:41:33

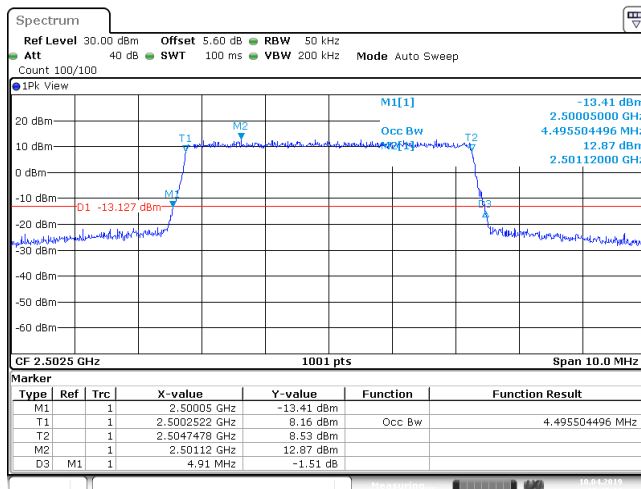
Band7_5MHz_64QAM_21425_25RB#0



Date: 10 APR 2019 18:42:55

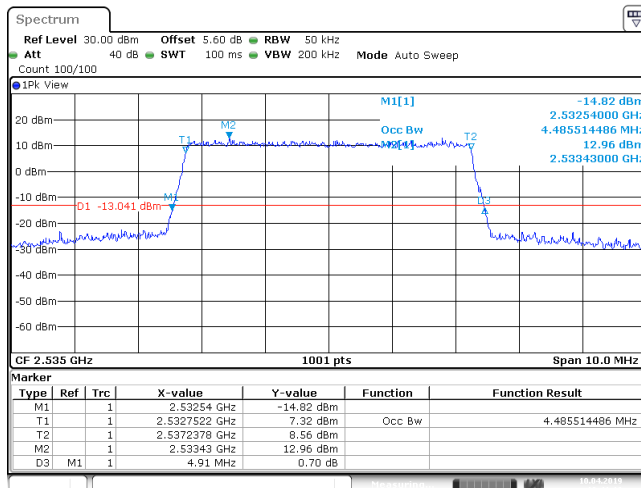
Band7_5MHz_16QAM_20775_25RB#0





Date: 10 APR 2019 18:40:11

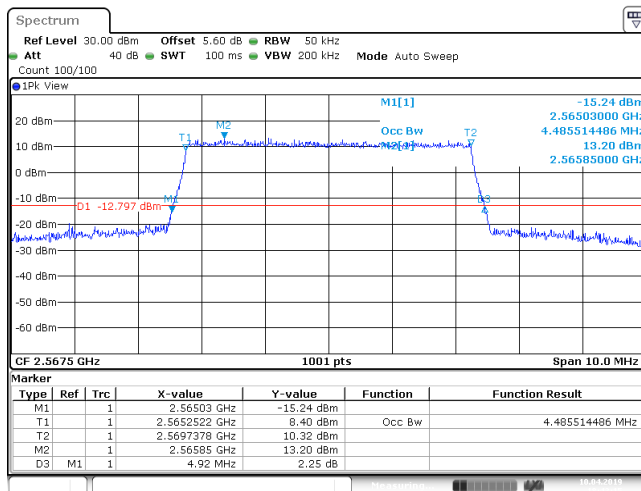
Band7_5MHz_16QAM_21100_25RB#0



Date: 10 APR 2019 18:41:13

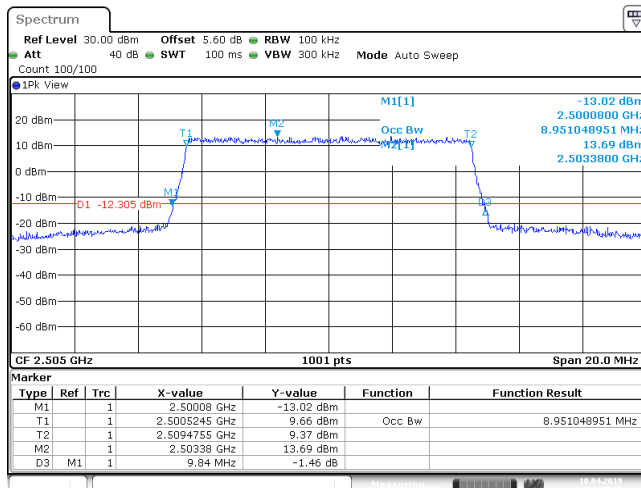
Band7_5MHz_16QAM_21425_25RB#0





Date: 10 APR 2019 18:42:15

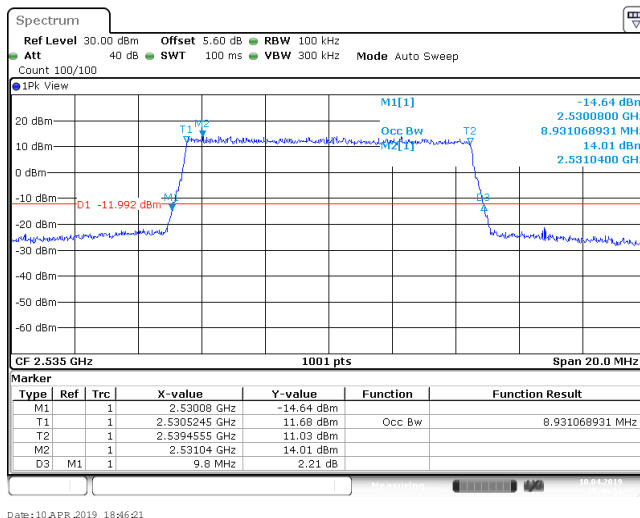
Band7_10MHz_QPSK_20800_50RB#0



Date: 10 APR 2019 18:45:20

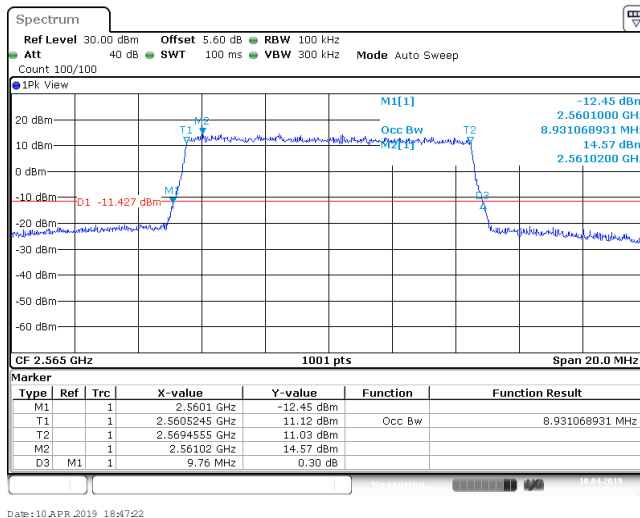
Band7_10MHz_QPSK_21100_50RB#0





Date: 10 APR 2019 18:46:21

Band7_10MHz_QPSK_21400_50RB#0



Date: 10 APR 2019 18:47:22

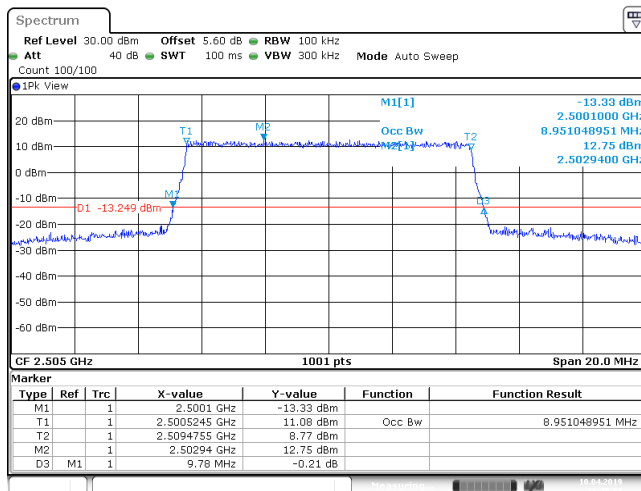
Band7_10MHz_64QAM_20800_50RB#0



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

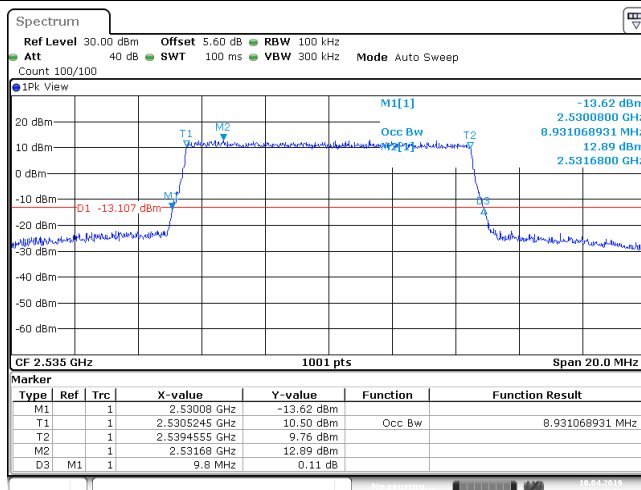
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:45:59

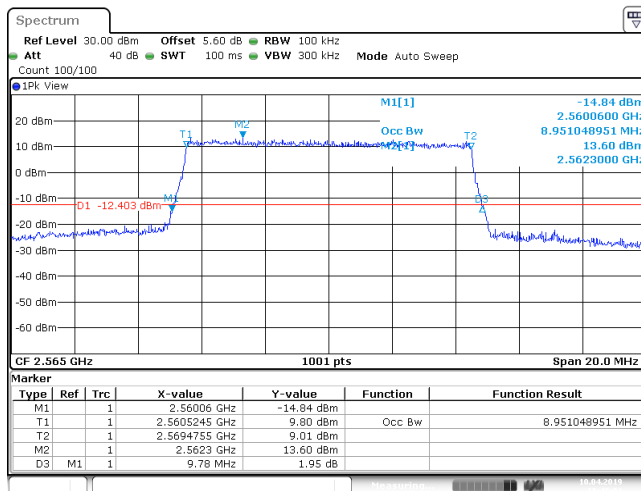
Band7_10MHz_64QAM_21100_50RB#0



Date: 10 APR 2019 18:47:01

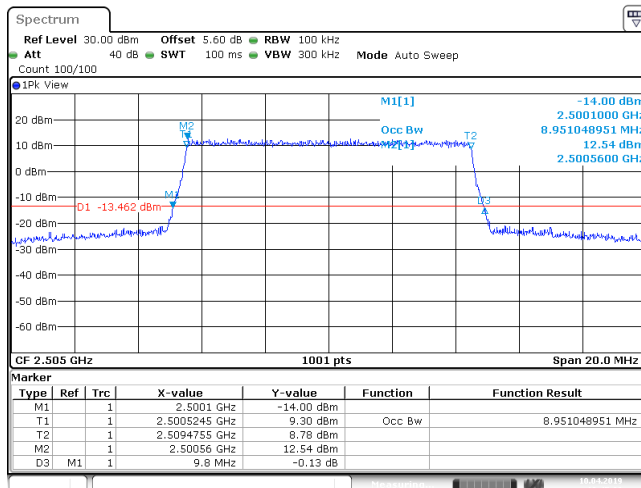
Band7_10MHz_64QAM_21400_50RB#0





Date: 10 APR 2019 18:48:02

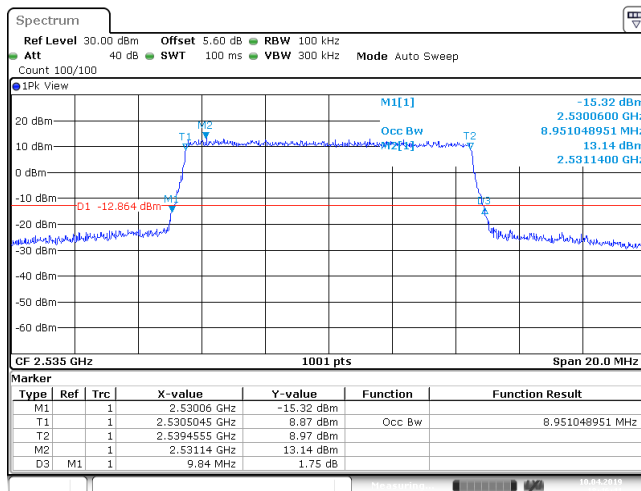
Band7_10MHz_16QAM_20800_50RB#0



Date: 10 APR 2019 18:45:39

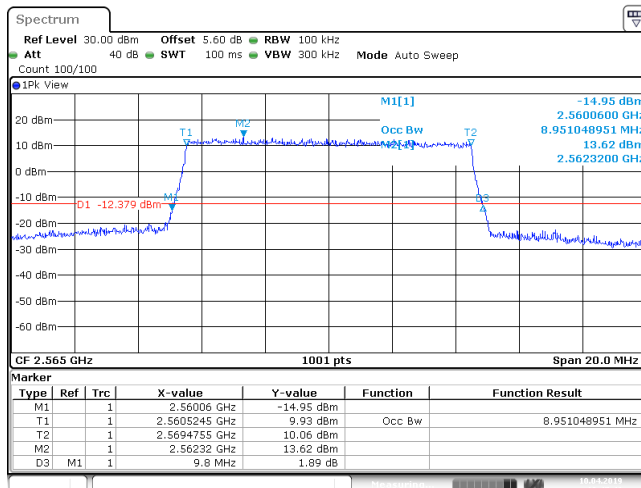
Band7_10MHz_16QAM_21100_50RB#0





Date: 10 APR 2019 18:46:11

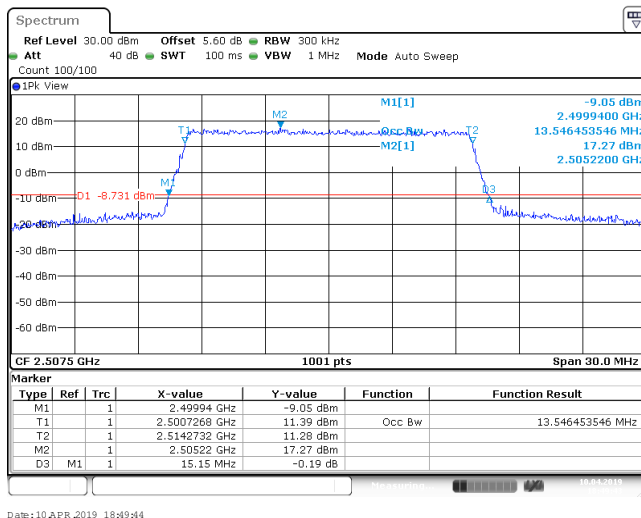
Band7_10MHz_16QAM_21400_50RB#0



Date: 10 APR 2019 18:47:42

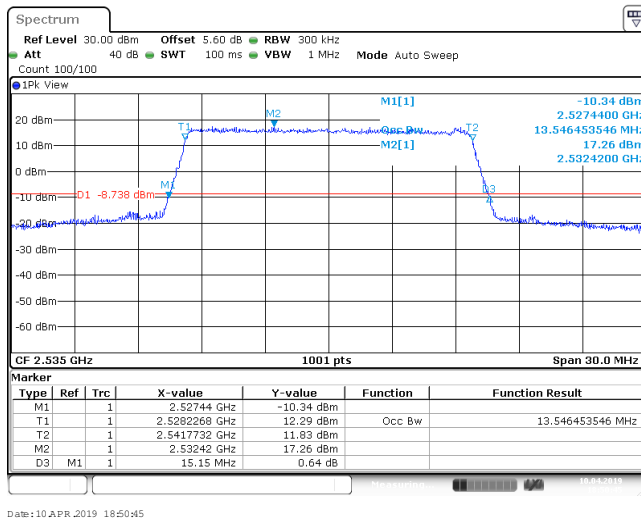
Band7_15MHz_QPSK_20825_75RB#0





Date: 10 APR 2019 18:49:44

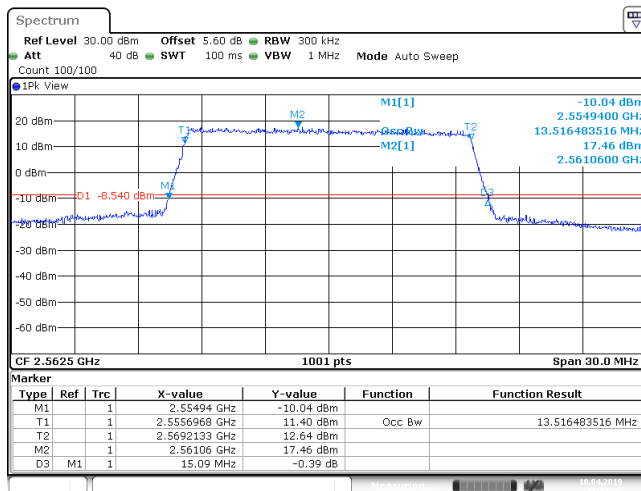
Band7_15MHz_QPSK_21100_75RB#0



Date: 10 APR 2019 18:50:45

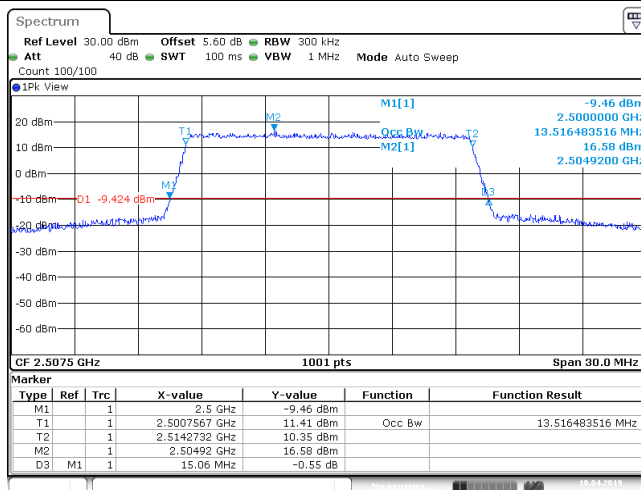
Band7_15MHz_QPSK_21375_75RB#0





Date: 10 APR 2019 18:51:46

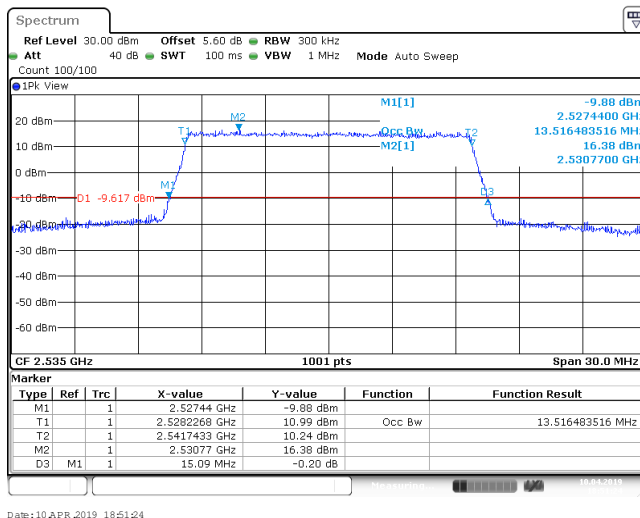
Band7_15MHz_64QAM_20825_75RB#0



Date: 10 APR 2019 18:50:23

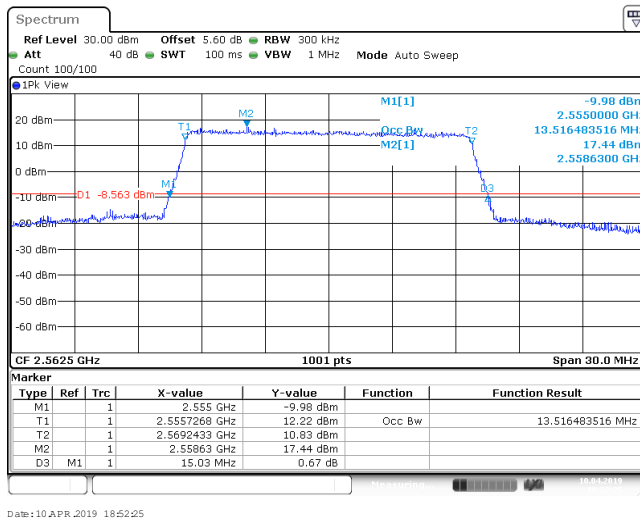
Band7_15MHz_64QAM_21100_75RB#0





Date: 10 APR 2019 18:51:24

Band7_15MHz_64QAM_21375_75RB#0



Date: 10 APR 2019 18:52:25

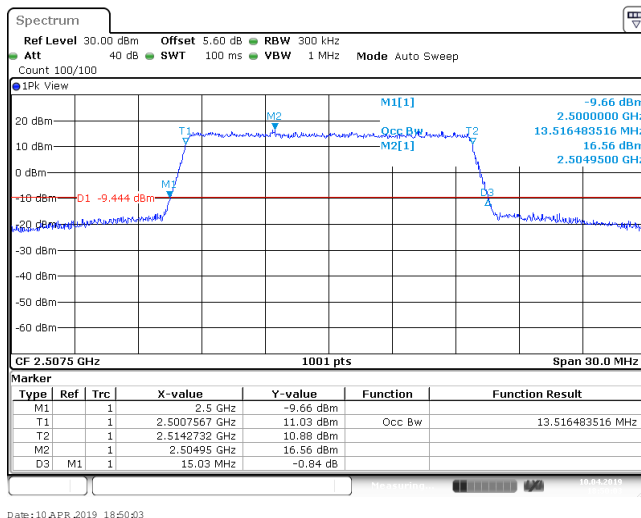
Band7_15MHz_16QAM_20825_75RB#0



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

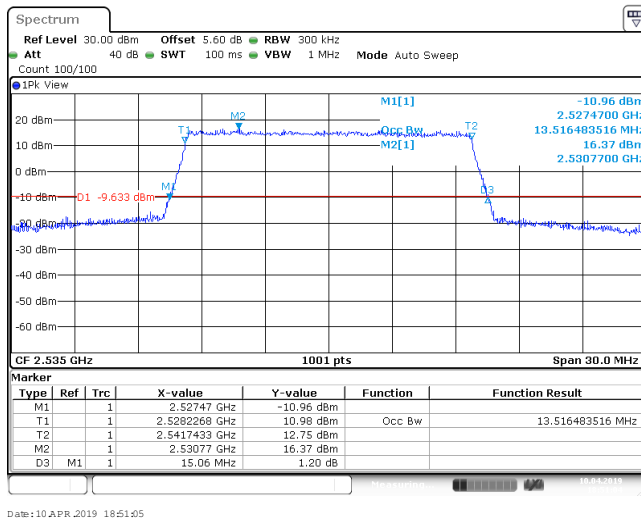
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:50:03

Band7_15MHz_16QAM_21100_75RB#0



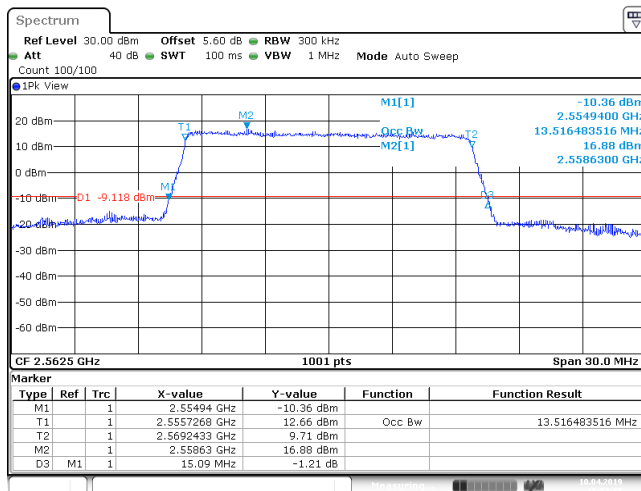
Date: 10 APR 2019 18:51:05

Band7_15MHz_16QAM_21375_75RB#0

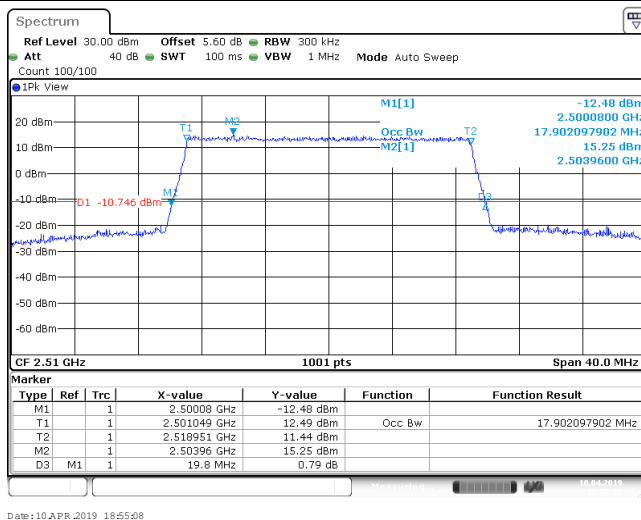


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

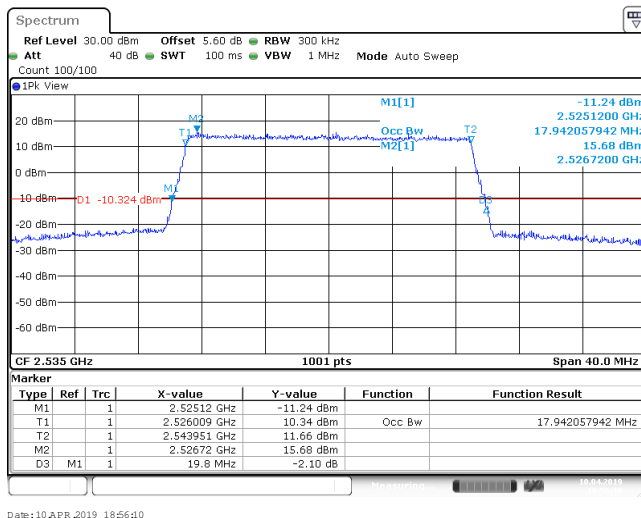


Band7_20MHz_QPSK_20850_100RB#0

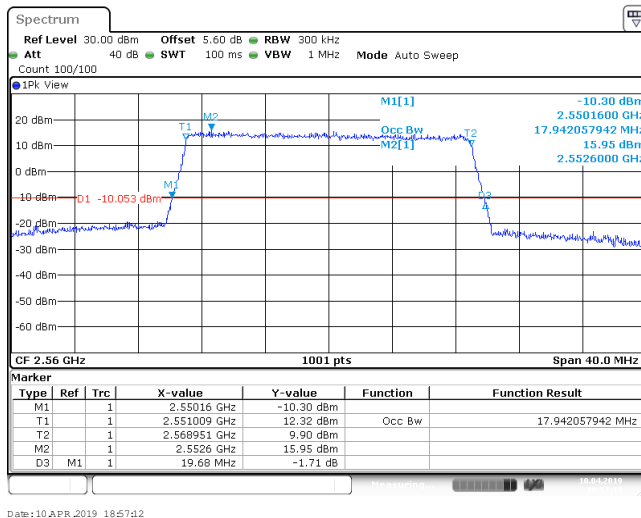


Band7_20MHz_QPSK_21100_100RB#0



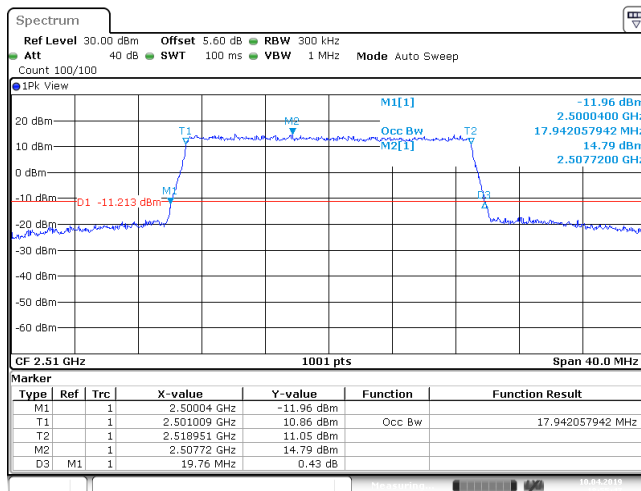


Band7_20MHz_QPSK_21350_100RB#0



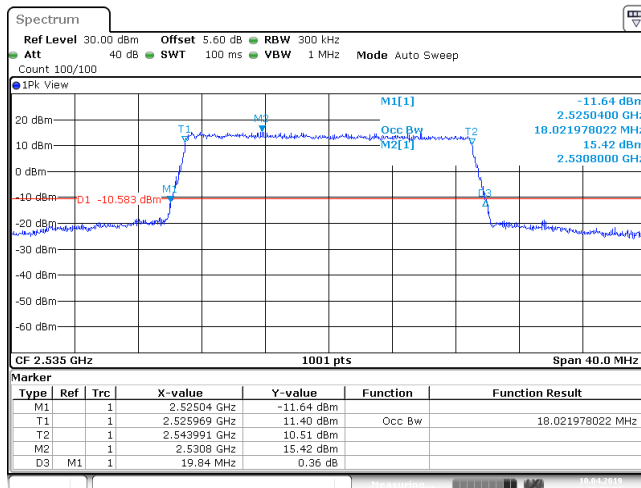
Band7_20MHz_64QAM_20850_100RB#0





Date: 10 APR 2019 18:55:48

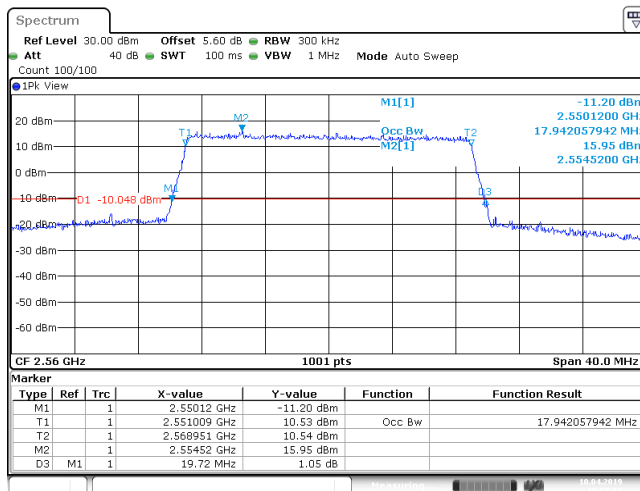
Band7_20MHz_64QAM_21100_100RB#0



Date: 10 APR 2019 18:56:50

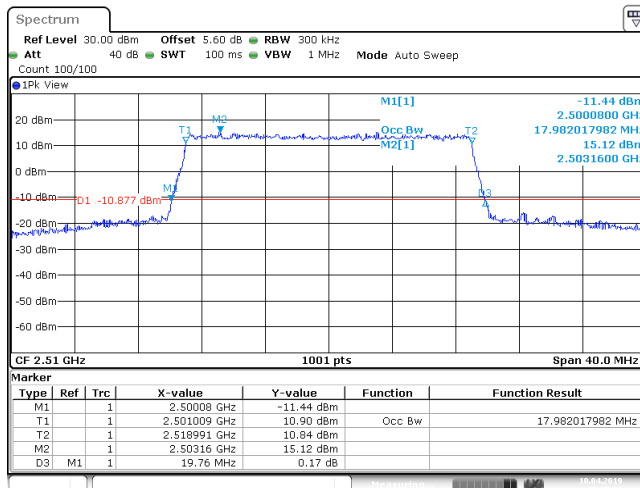
Band7_20MHz_64QAM_21350_100RB#0





Date: 10 APR 2019 18:57:52

Band7_20MHz_16QAM_20850_100RB#0



Date: 10 APR 2019 18:55:28

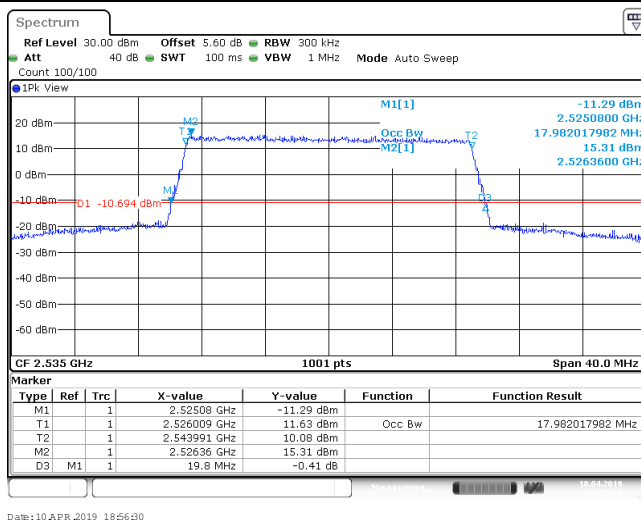
Band7_20MHz_16QAM_21100_100RB#0



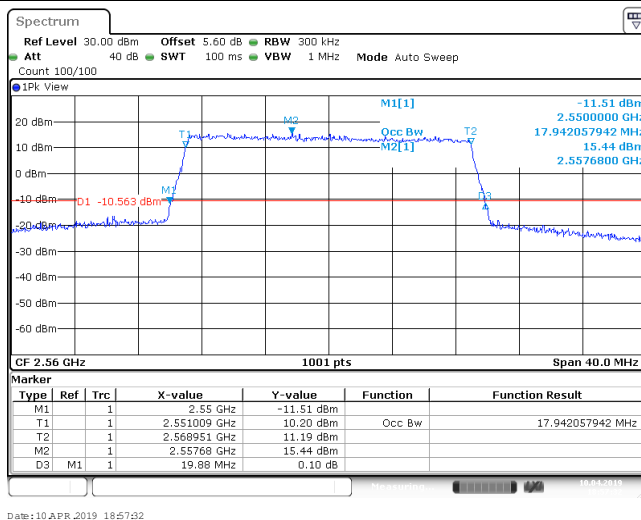
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

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



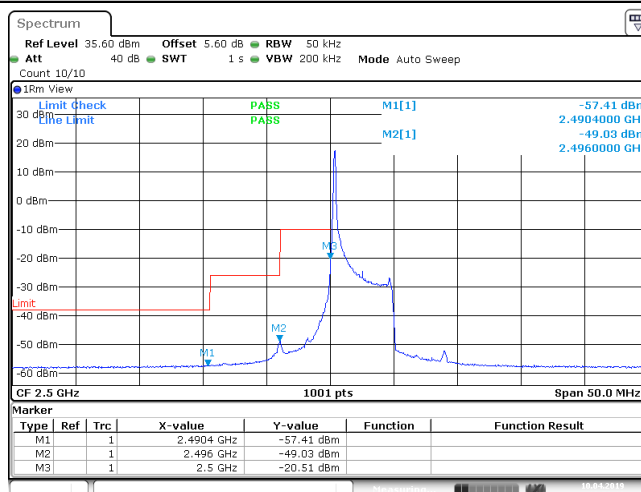
Band7_20MHz_16QAM_21350_100RB#0



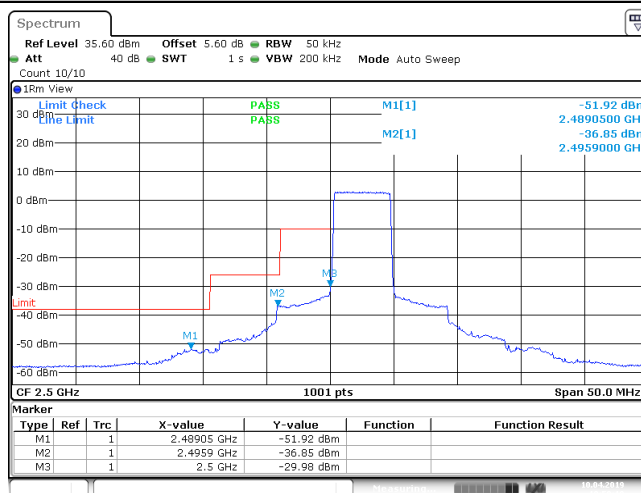
5. Band Edge Compliance

5.1. Test Plots

Band7_5MHz_QPSK_20775_1RB#0

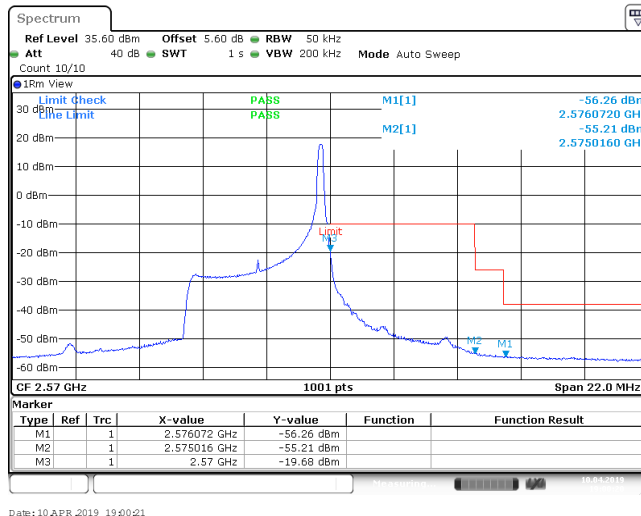


Band7_5MHz_QPSK_20775_25RB#0

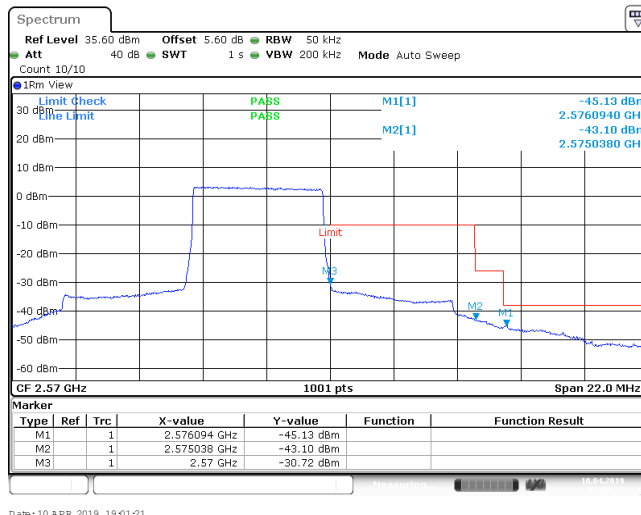


Band7_5MHz_QPSK_21425_1RB#24



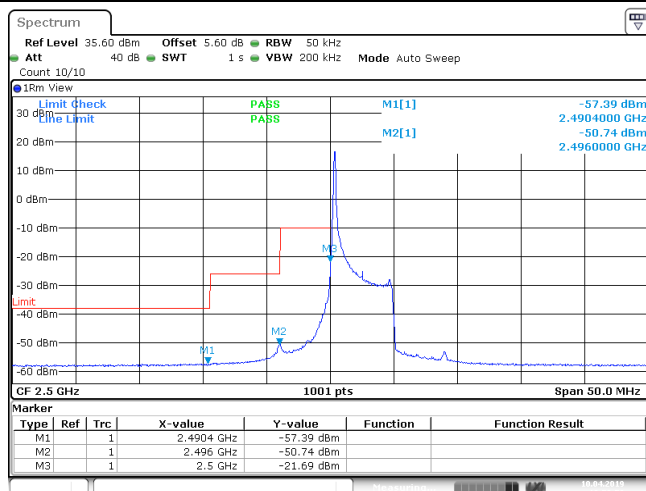


Band7_5MHz_QPSK_21425_25RB#0

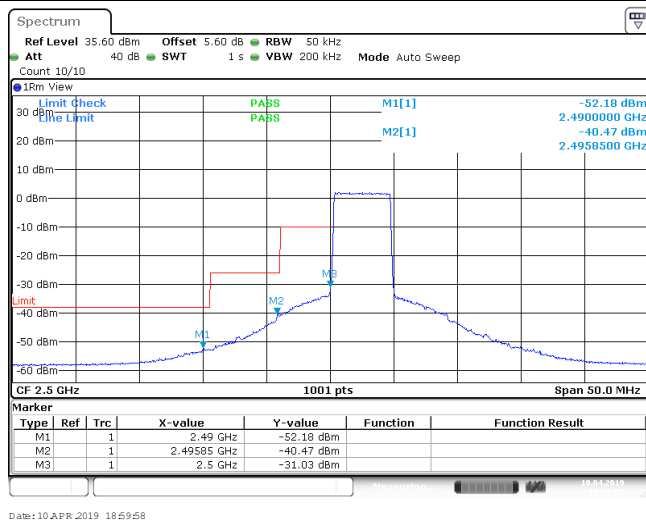


Band7_5MHz_64QAM_20775_1RB#0



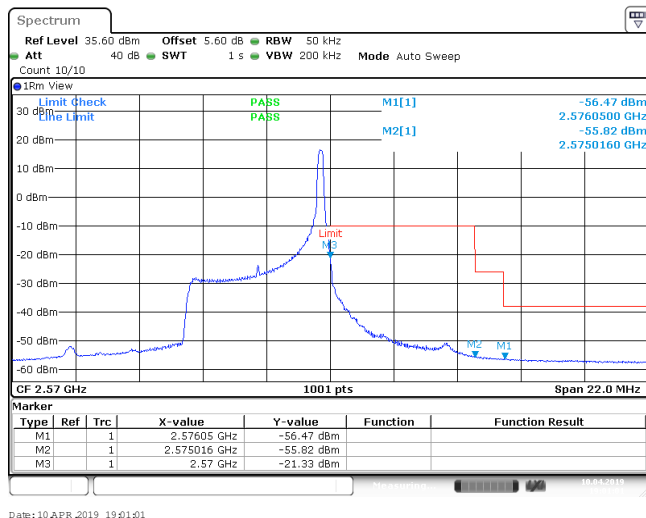


Band7_5MHz_64QAM_20775_25RB#0

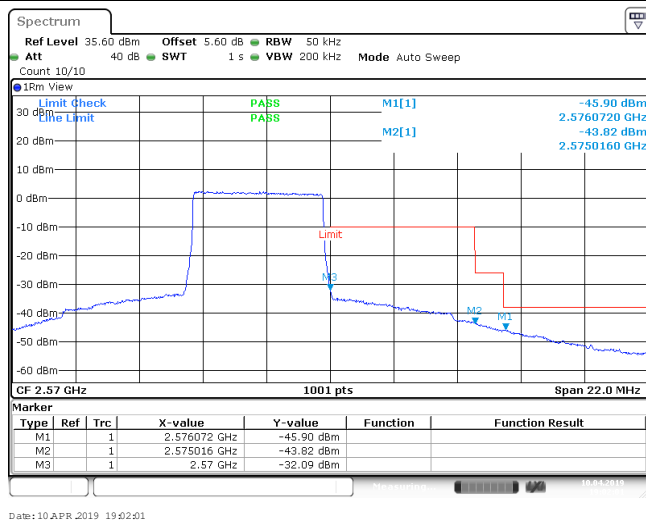


Band7_5MHz_64QAM_21425_1RB#24



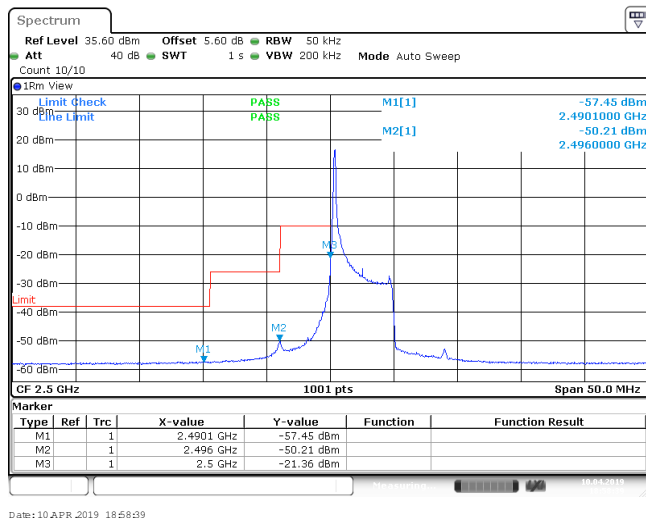


Band7_5MHz_64QAM_21425_25RB#0



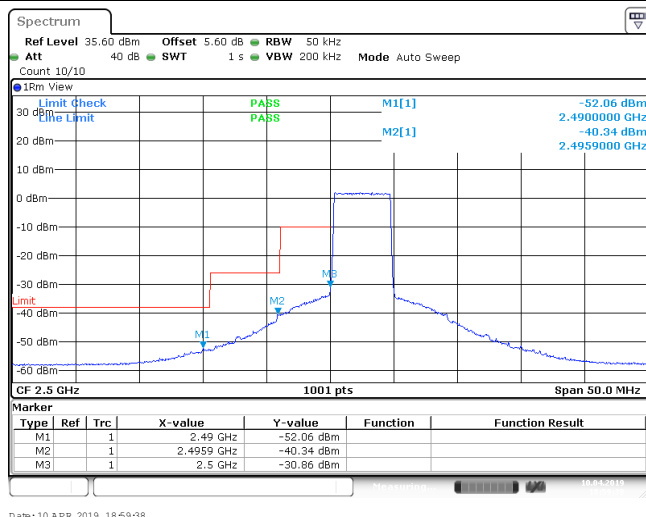
Band7_5MHz_16QAM_20775_1RB#0





Date: 10 APR 2019 18:58:29

Band7_5MHz_16QAM_20775_25RB#0



Date: 10 APR 2019 18:59:28

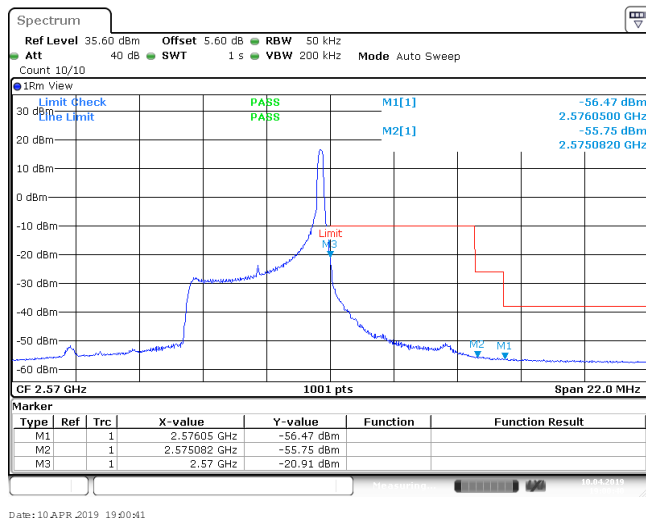
Band7_5MHz_16QAM_21425_1RB#24



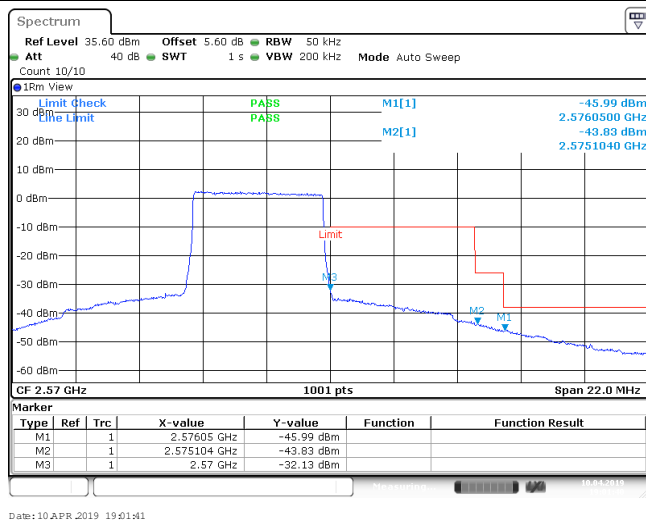
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

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

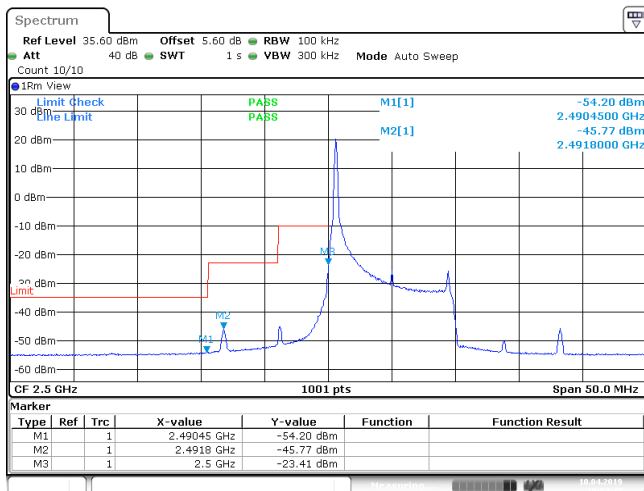


Band7_5MHz_16QAM_21425_25RB#0

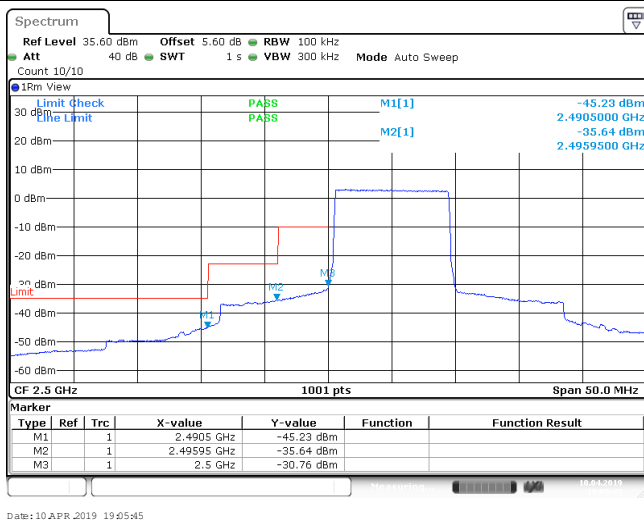


Band7_10MHz_QPSK_20800_1RB#0



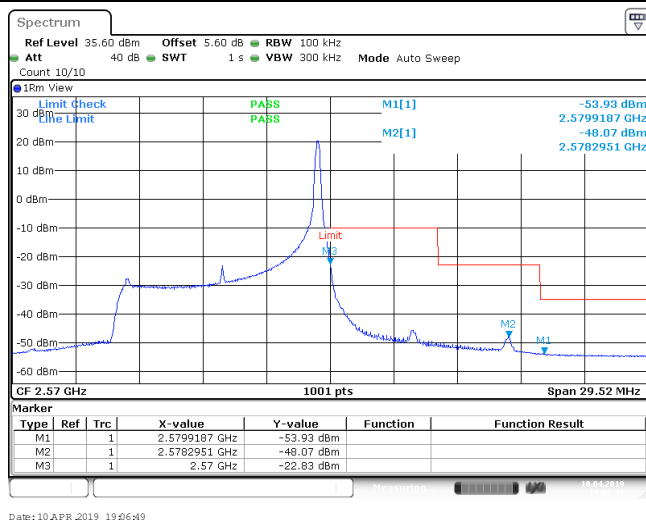


Band7_10MHz_QPSK_20800_50RB#0

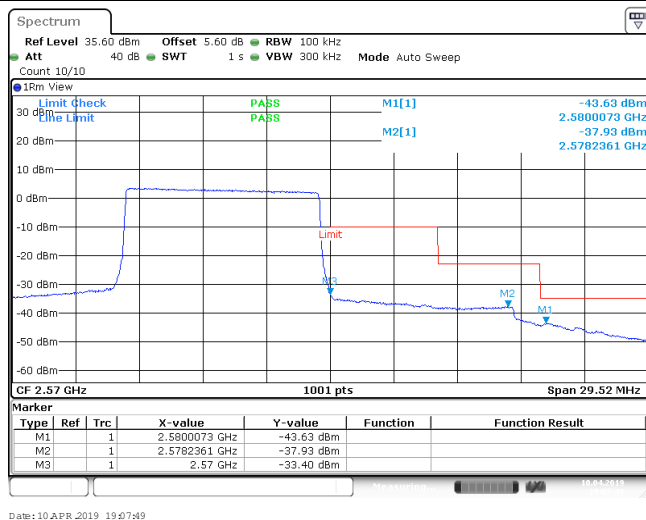


Band7_10MHz_QPSK_21400_1RB#49



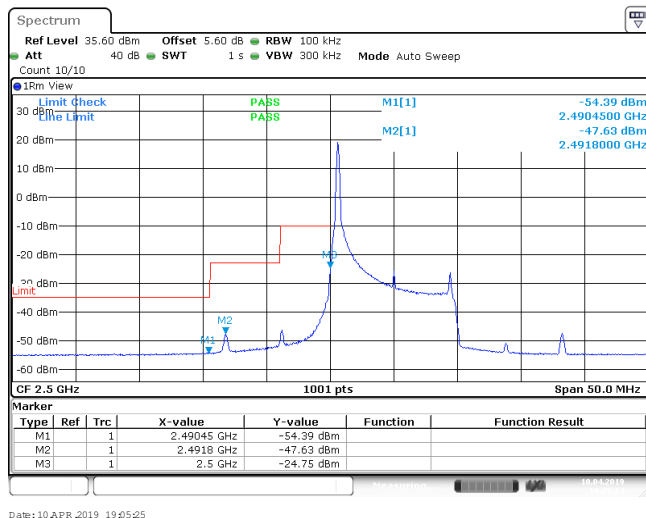


Band7_10MHz_QPSK_21400_50RB#0



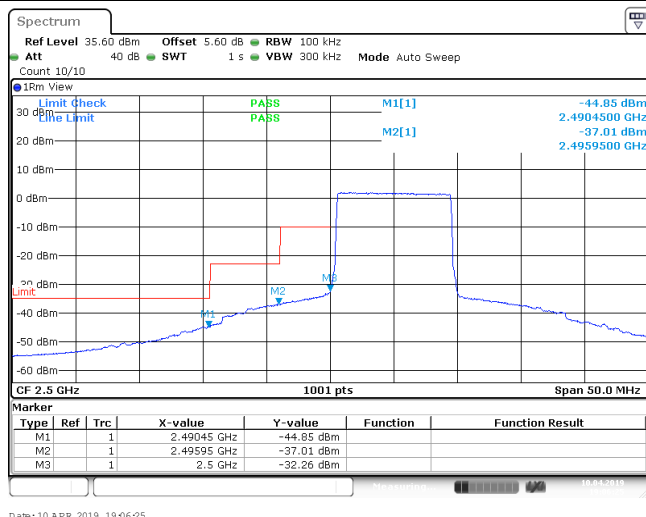
Band7_10MHz_64QAM_20800_1RB#0





Date: 10 APR.2019 19:05:25

Band7_10MHz_64QAM_20800_50RB#0



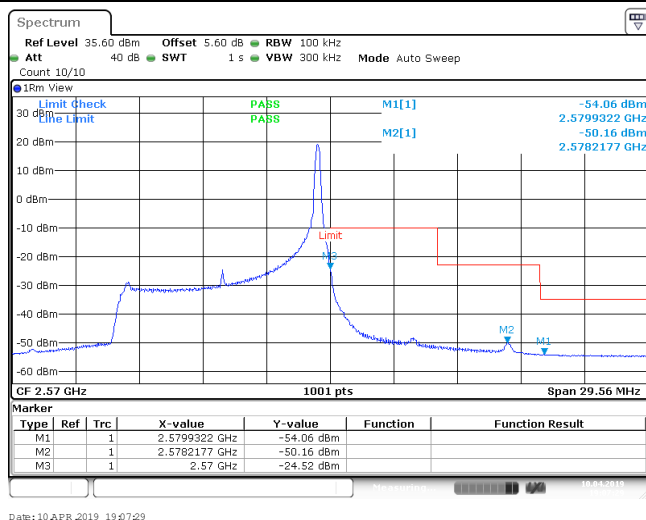
Date: 10 APR.2019 19:06:25

Band7_10MHz_64QAM_21400_1RB#49

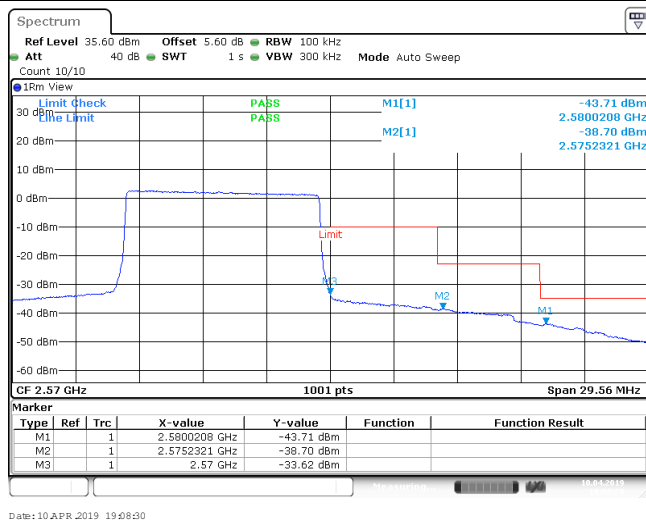


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

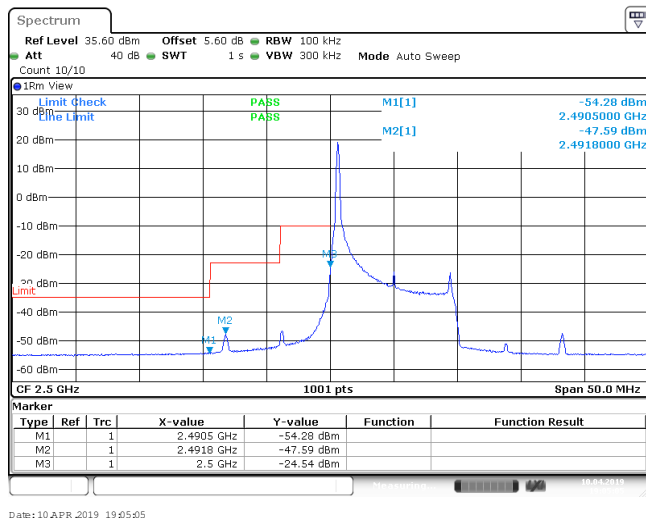


Band7_10MHz_64QAM_21400_50RB#0

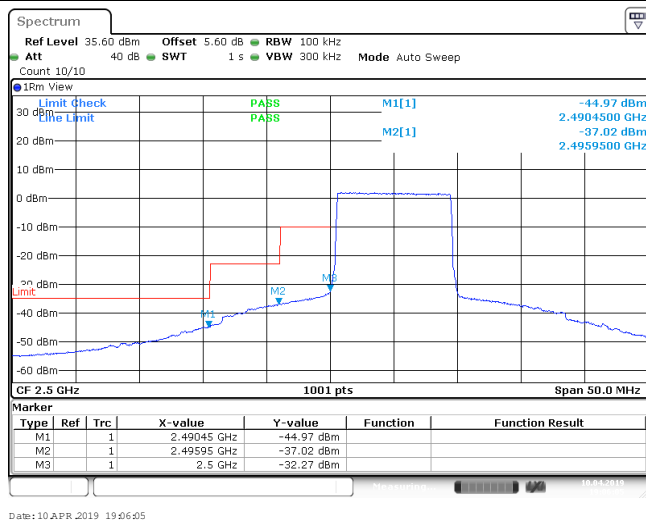


Band7_10MHz_16QAM_20800_1RB#0



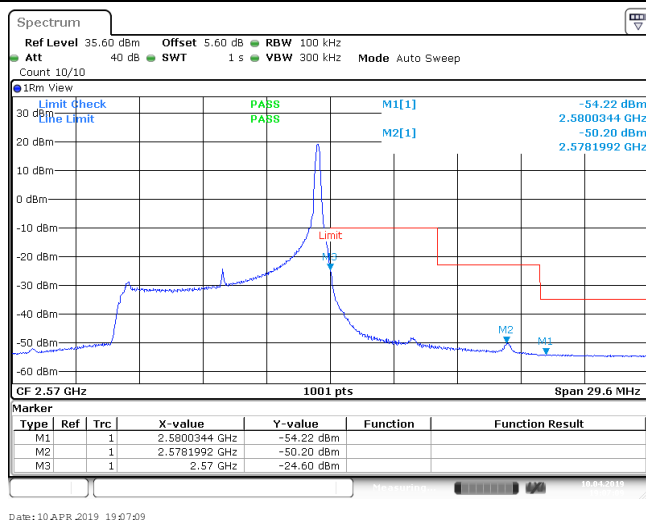


Band7_10MHz_16QAM_20800_50RB#0

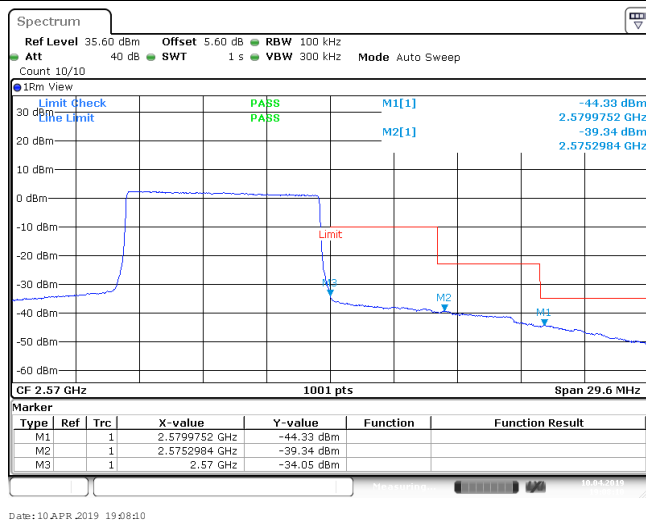


Band7_10MHz_16QAM_21400_1RB#49



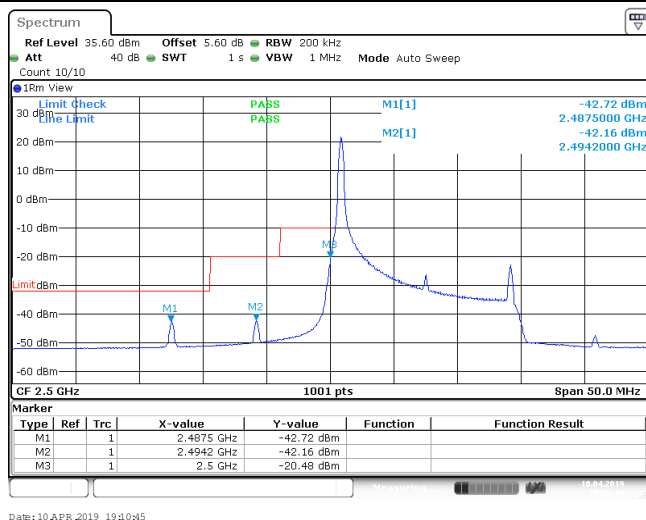


Band7_10MHz_16QAM_21400_50RB#0

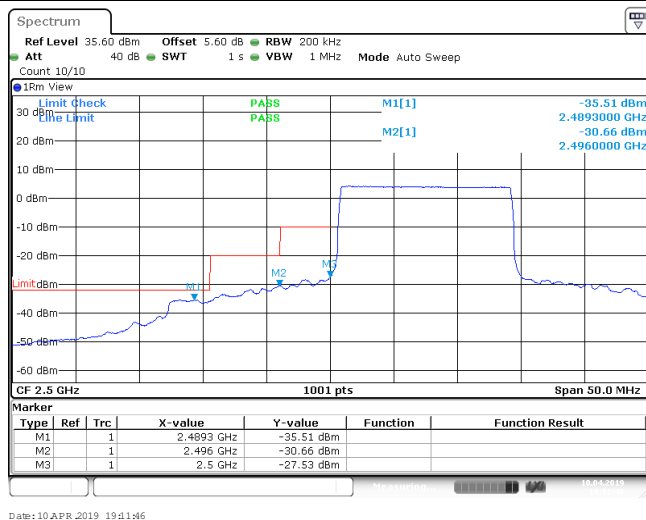


Band7_15MHz_QPSK_20825_1RB#0



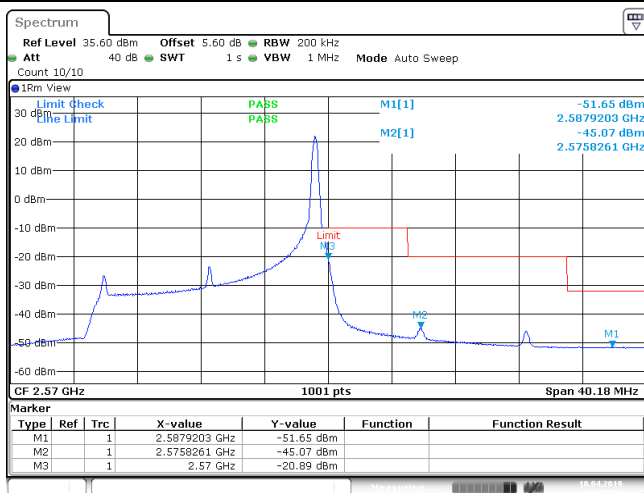


Band7_15MHz_QPSK_20825_75RB#0

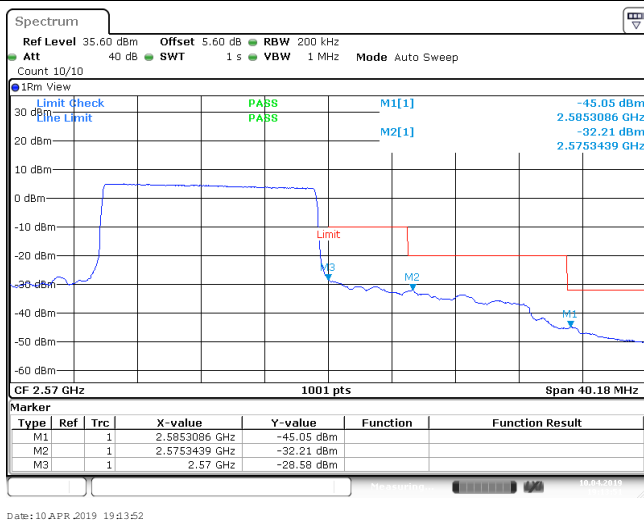


Band7_15MHz_QPSK_21375_1RB#74



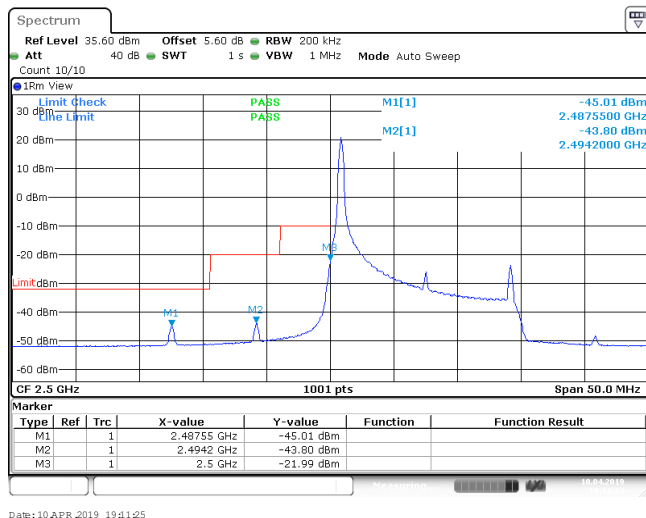


Band7_15MHz_QPSK_21375_75RB#0



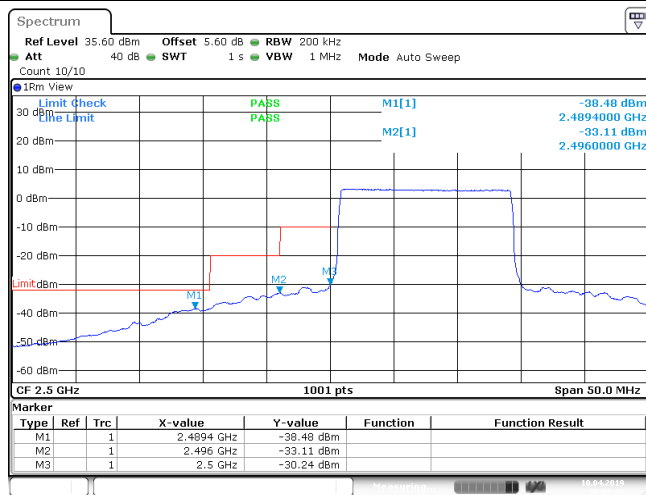
Band7_15MHz_64QAM_20825_1RB#0





Date: 10 APR.2019 19:11:25

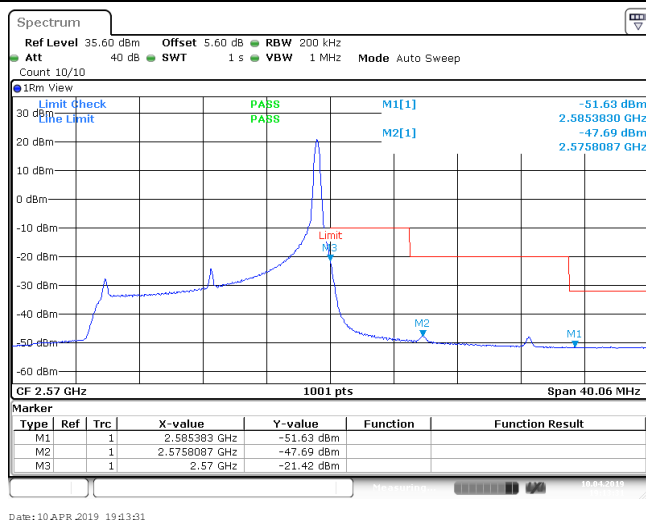
Band7_15MHz_64QAM_20825_75RB#0



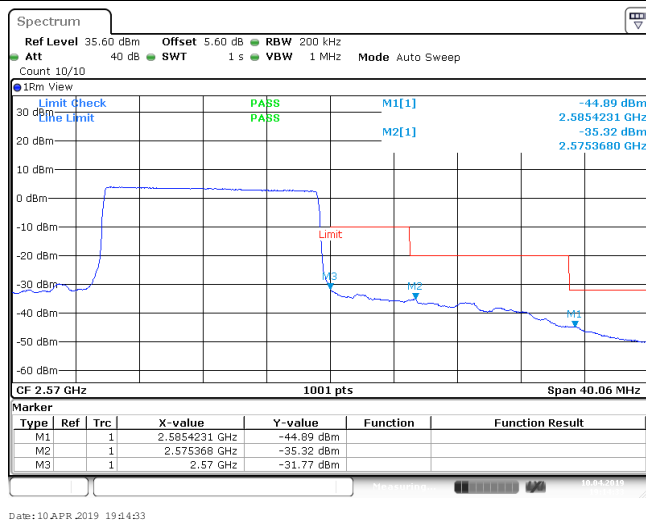
Date: 10 APR.2019 19:12:27

Band7_15MHz_64QAM_21375_1RB#74



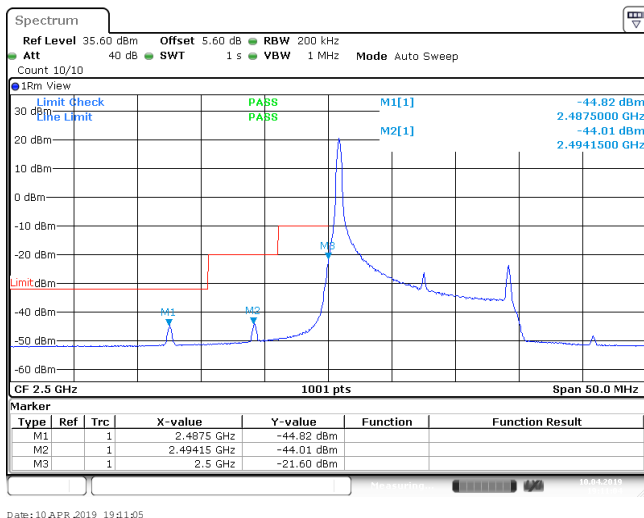


Band7_15MHz_64QAM_21375_75RB#0



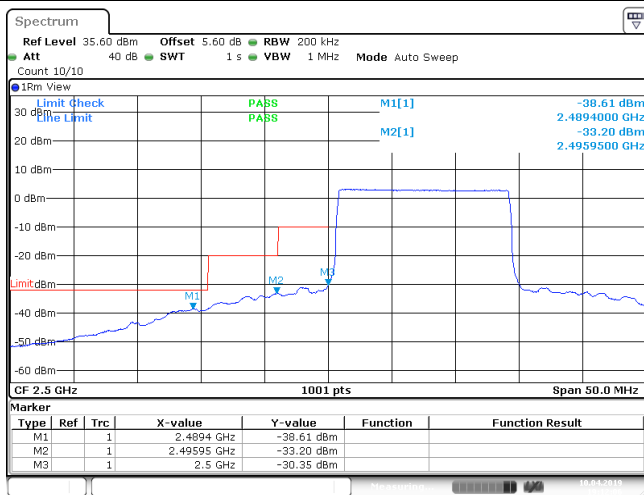
Band7_15MHz_16QAM_20825_1RB#0





Date: 10 APR.2019 19:11:05

Band7_15MHz_16QAM_20825_75RB#0



Date: 10 APR.2019 19:12:06

Band7_15MHz_16QAM_21375_1RB#74



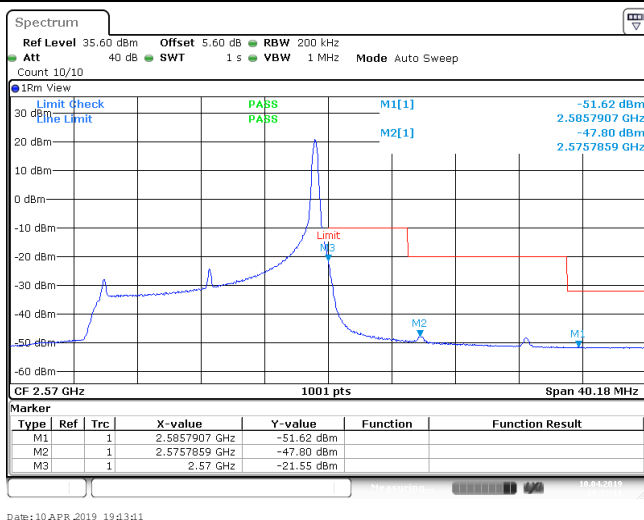
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

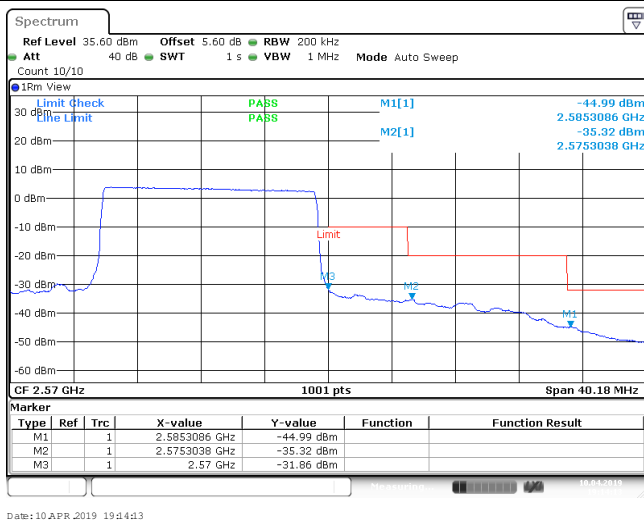
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

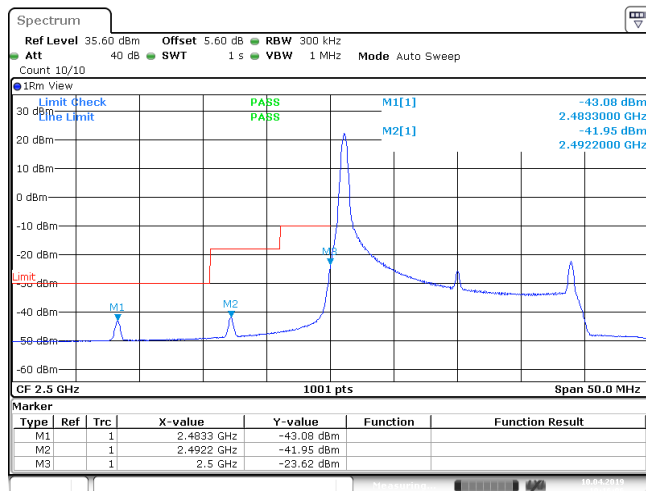


Band7_15MHz_16QAM_21375_75RB#0



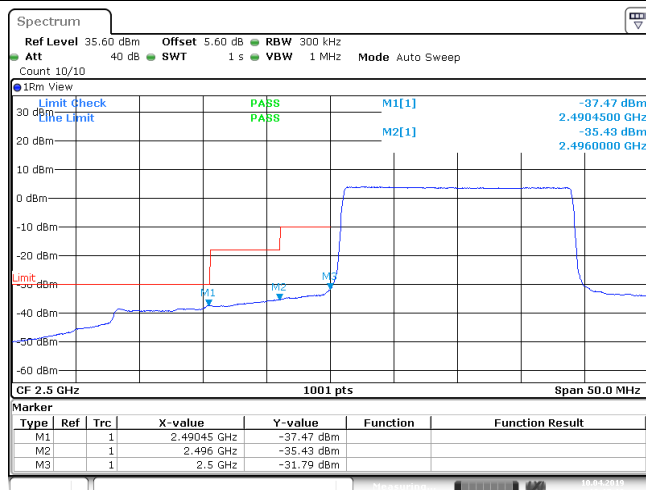
Band7_20MHz_QPSK_20850_1RB#0





Date: 10 APR.2019 19:46:27

Band7_20MHz_QPSK_20850_100RB#0



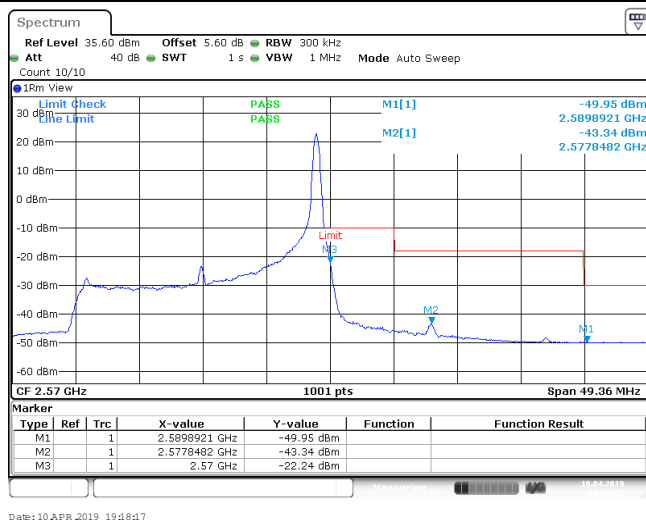
Date: 10 APR.2019 19:47:40

Band7_20MHz_QPSK_21350_1RB#99

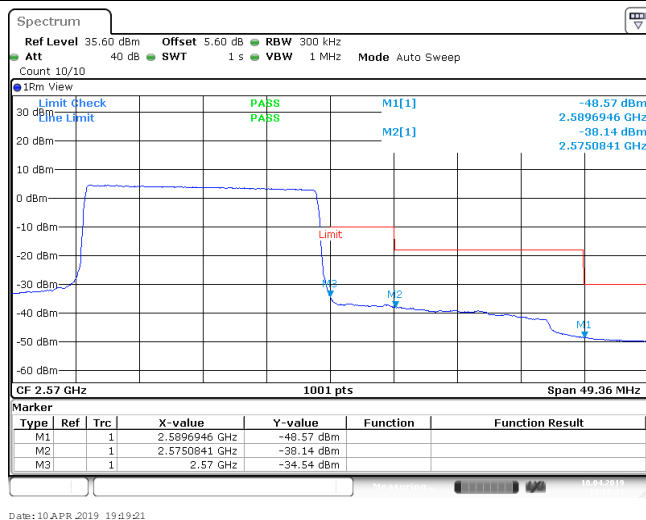


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

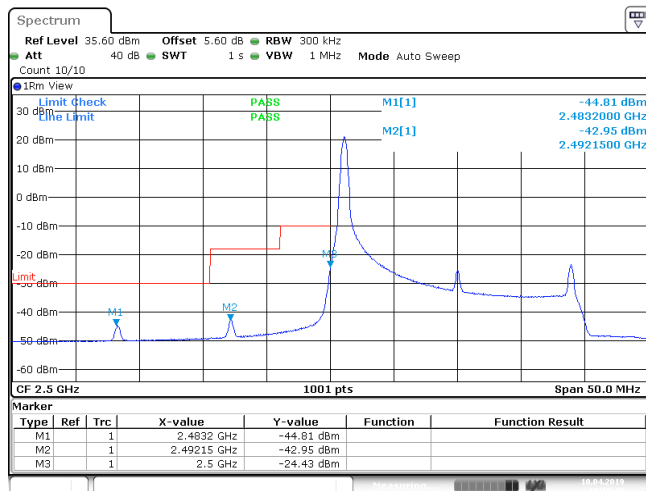


Band7_20MHz_QPSK_21350_100RB#0



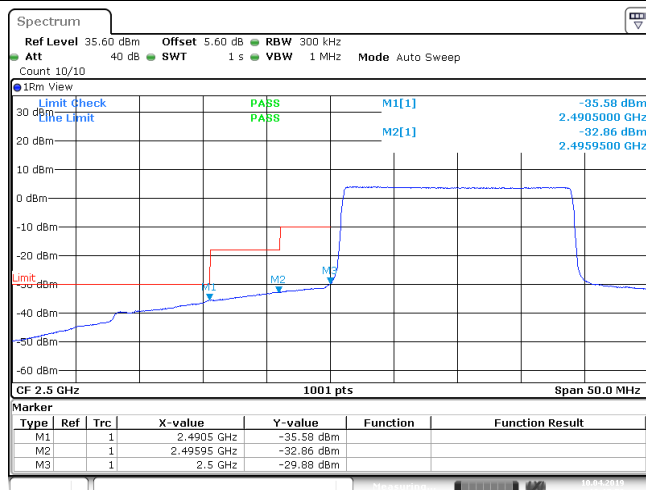
Band7_20MHz_64QAM_20850_1RB#0





Date: 10 APR.2019 19:46:49

Band7_20MHz_64QAM_20850_100RB#0



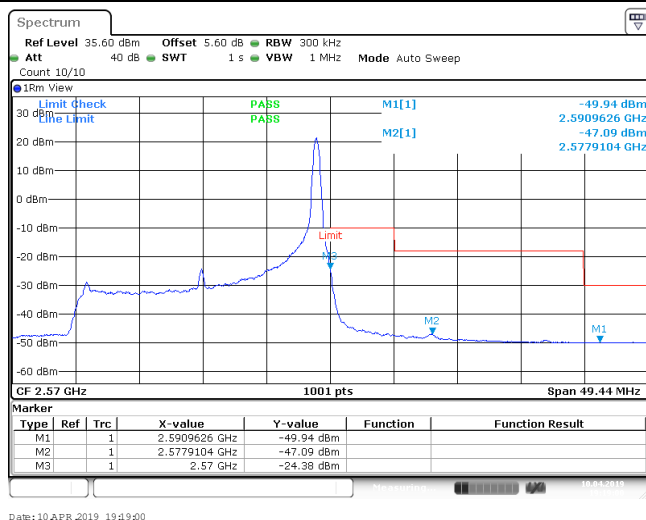
Date: 10 APR.2019 19:47:53

Band7_20MHz_64QAM_21350_1RB#99

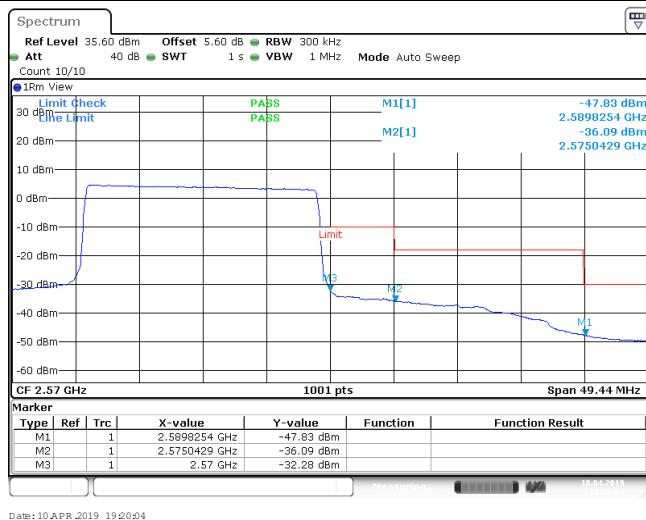


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band7_20MHz_64QAM_21350_100RB#0



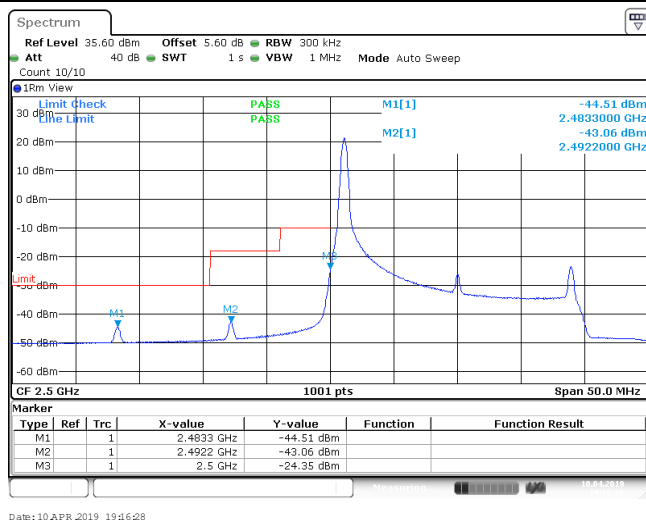
Band7_20MHz_16QAM_20850_1RB#0



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

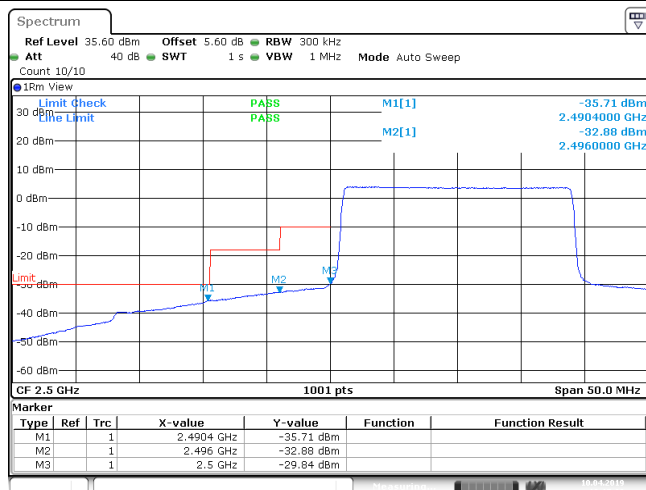
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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



Date: 10 APR.2019 19:46:28

Band7_20MHz_16QAM_20850_100RB#0



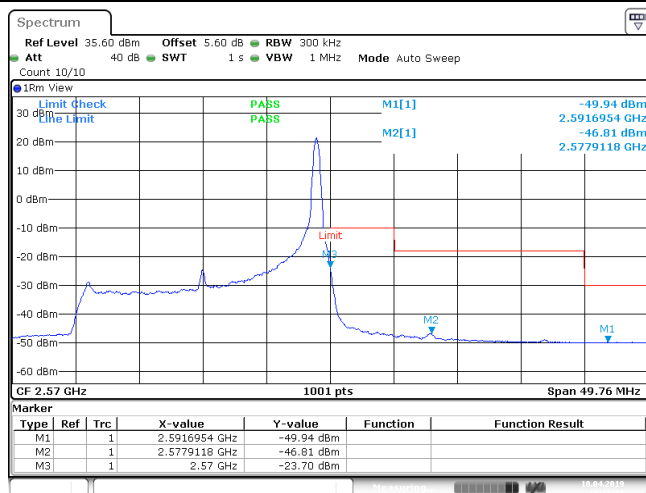
Date: 10 APR.2019 19:47:31

Band7_20MHz_16QAM_21350_1RB#99

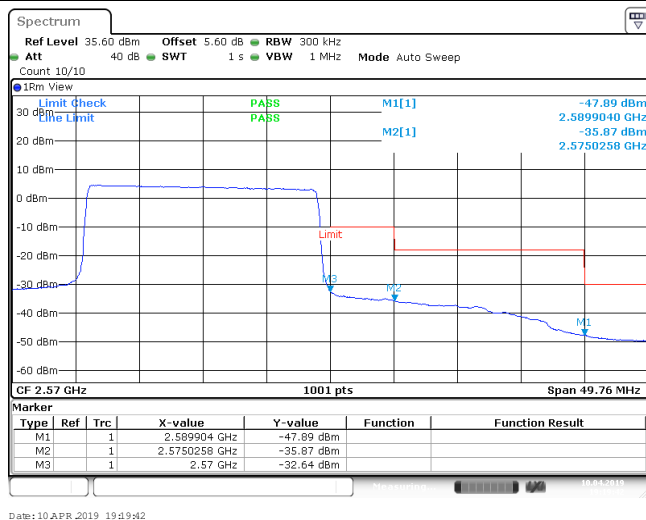


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band7_20MHz_16QAM_21350_100RB#0



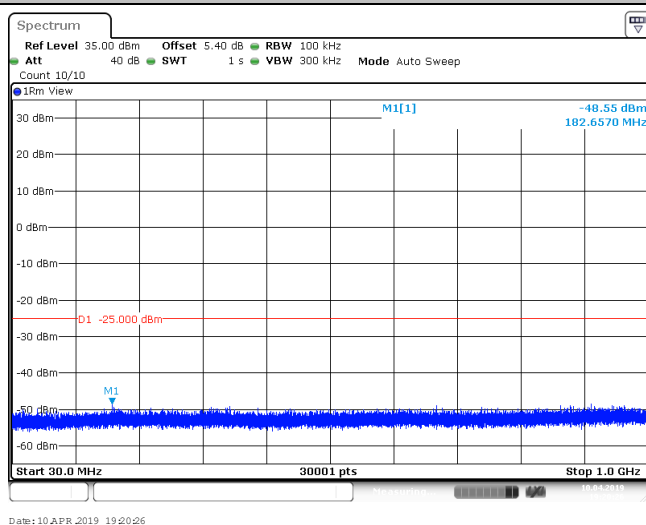
6. Spurious Emission at Antenna Terminal

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

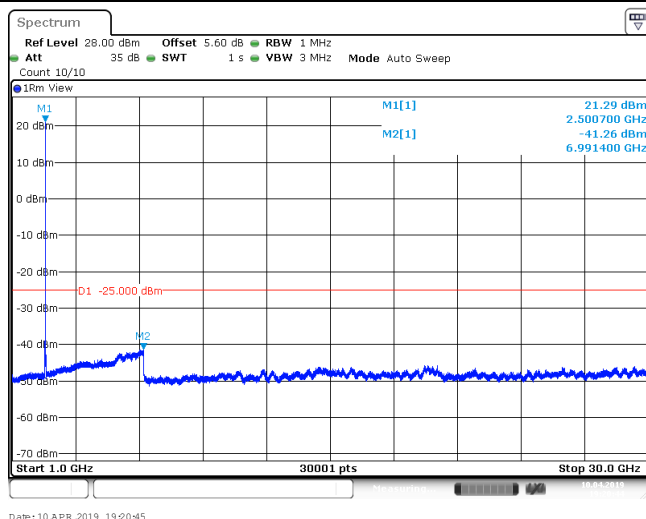
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band7_20MHz_QPSK_20850_1RB#0

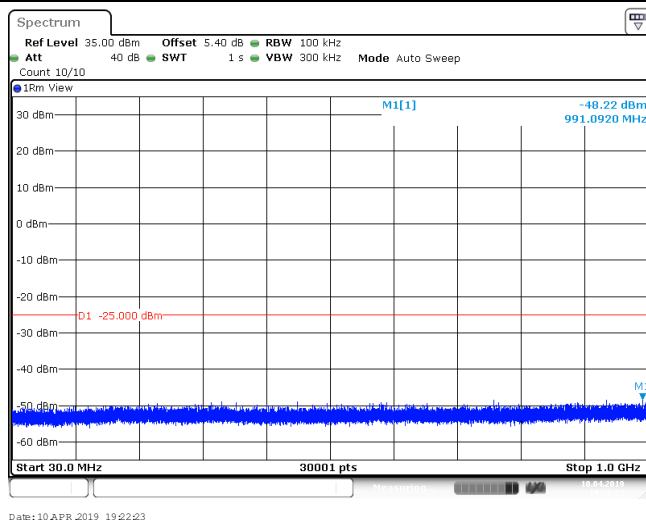


Band7_20MHz_QPSK_20850_1RB#0

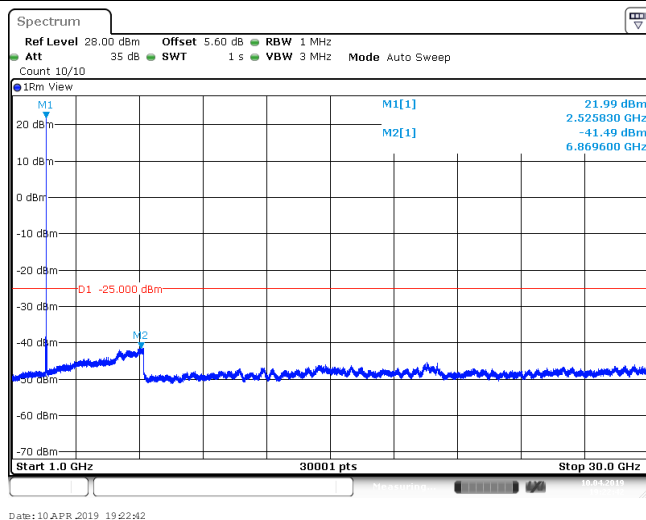


Band7_20MHz_QPSK_21100_1RB#0



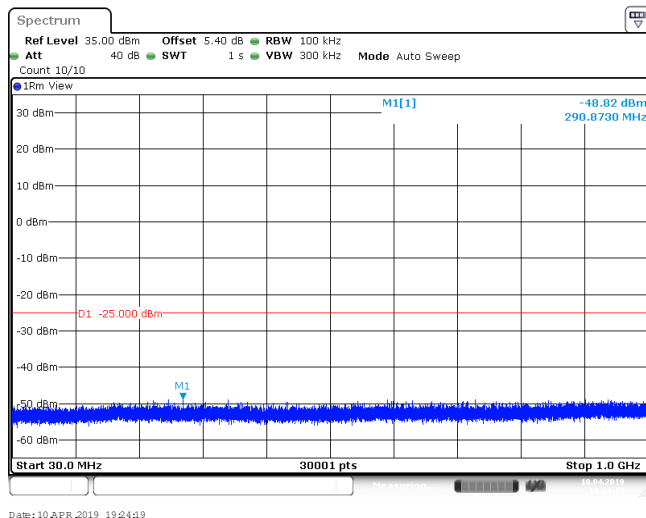


Band7_20MHz_QPSK_21100_1RB#0

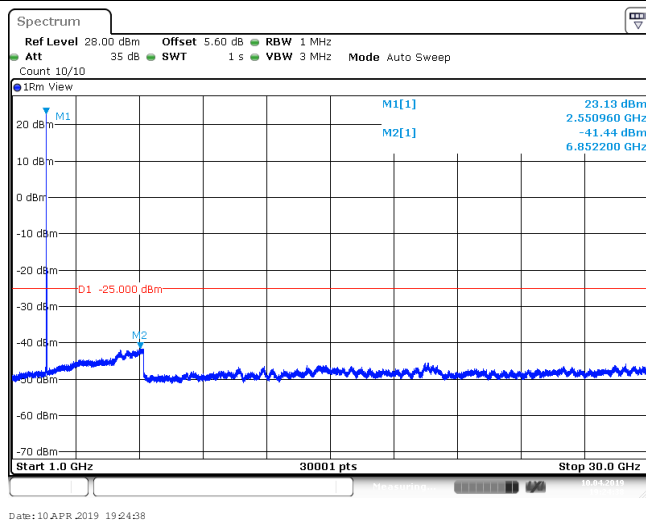


Band7_20MHz_QPSK_21350_1RB#0





Band7_20MHz_QPSK_21350_1RB#0

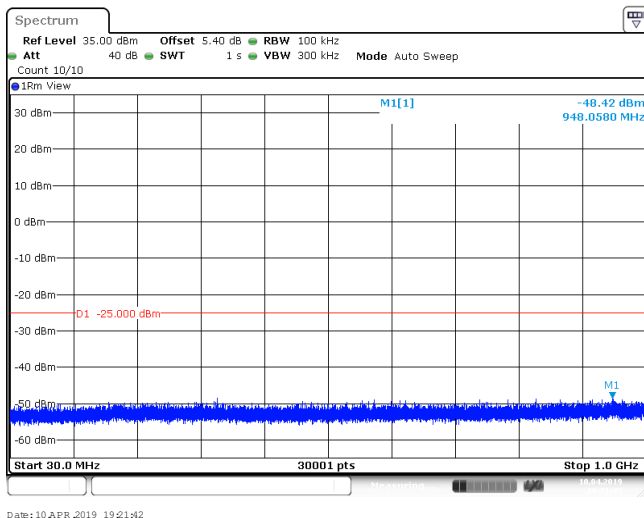


Band7_20MHz_64QAM_20850_1RB#0

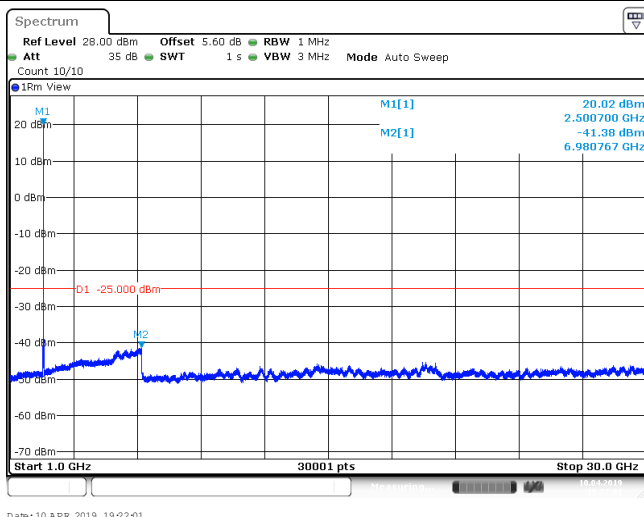


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

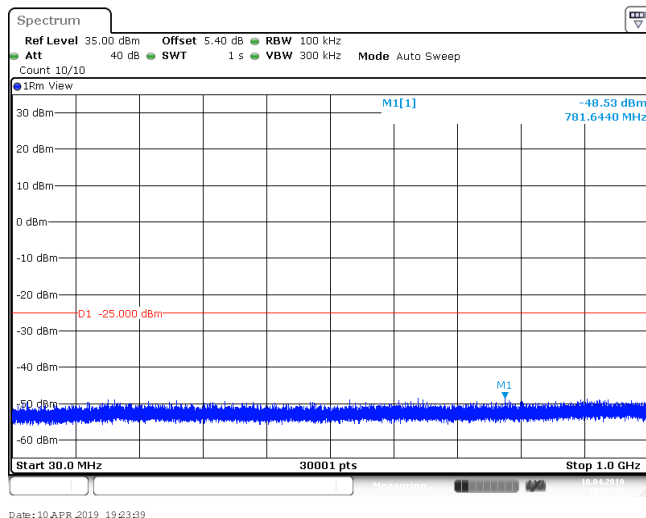


Band7_20MHz_64QAM_20850_1RB#0

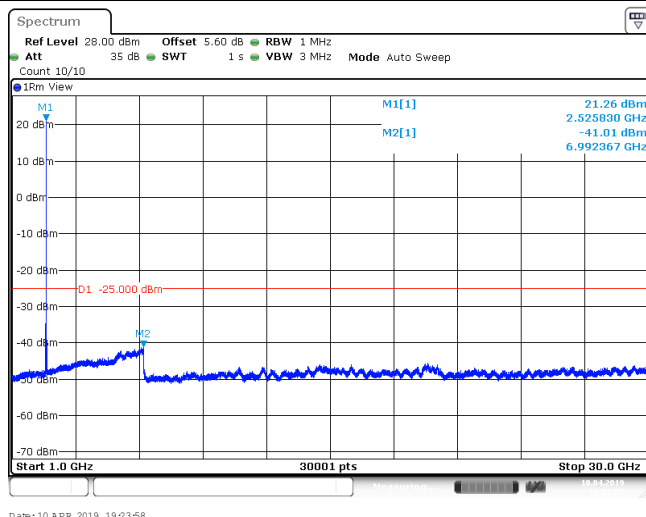


Band7_20MHz_64QAM_21100_1RB#0





Band7_20MHz_64QAM_21100_1RB#0

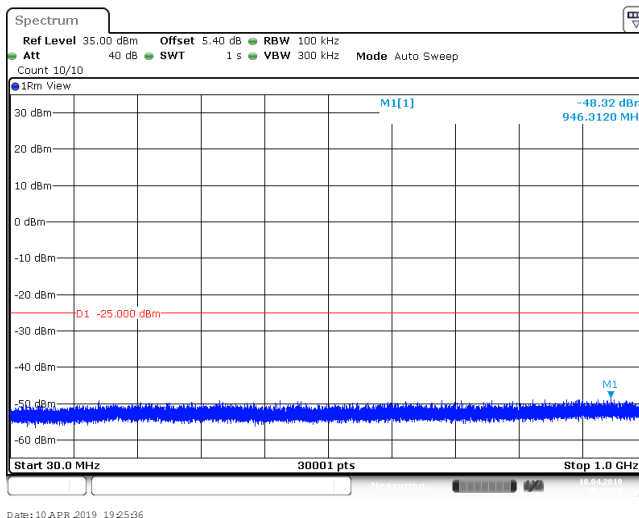


Band7_20MHz_64QAM_21350_1RB#0

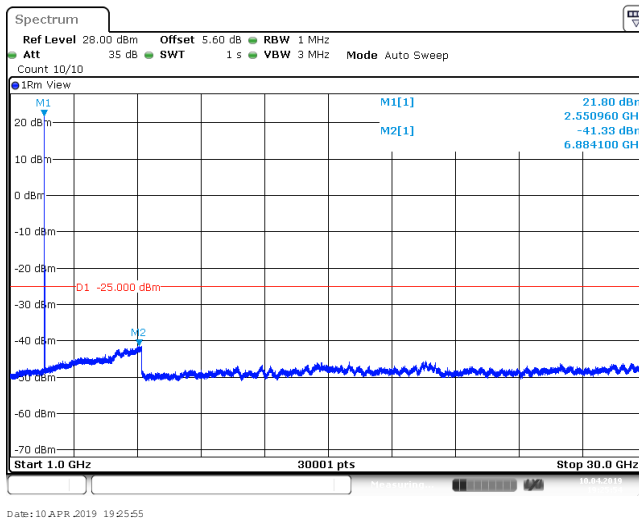


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

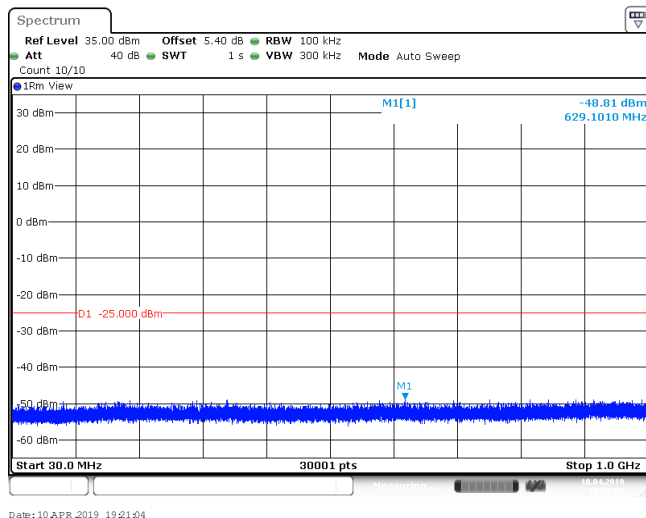


Band7_20MHz_16QAM_20850_1RB#0

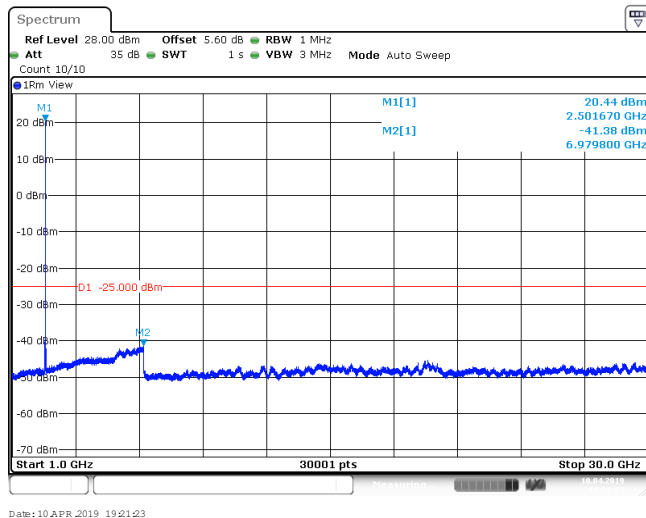


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



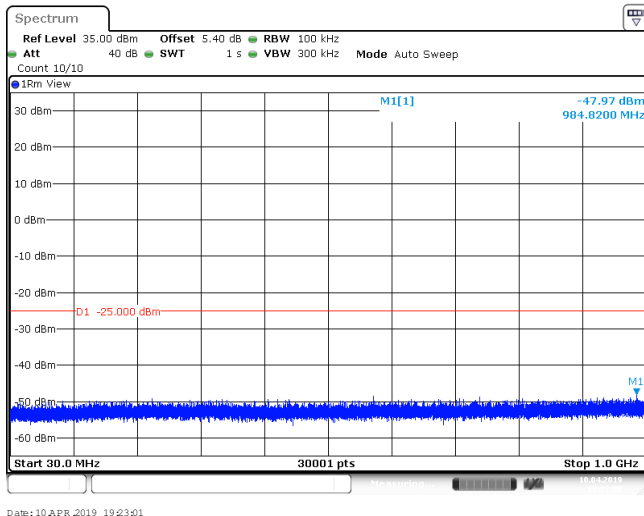
Band7_20MHz_16QAM_20850_1RB#0



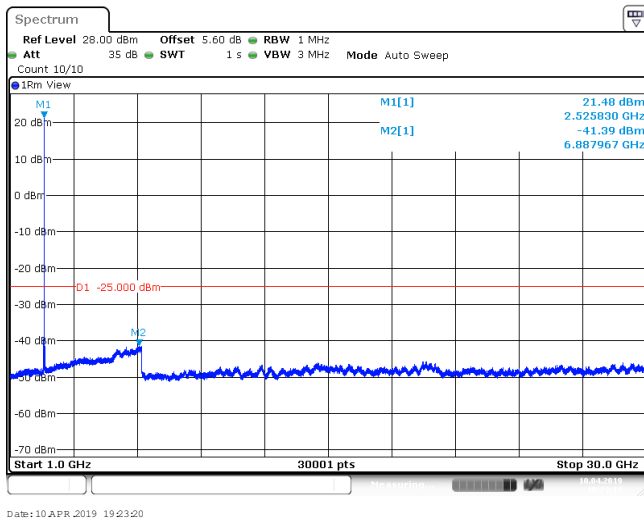
Band7_20MHz_16QAM_21100_1RB#0



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



Band7_20MHz_16QAM_21100_1RB#0

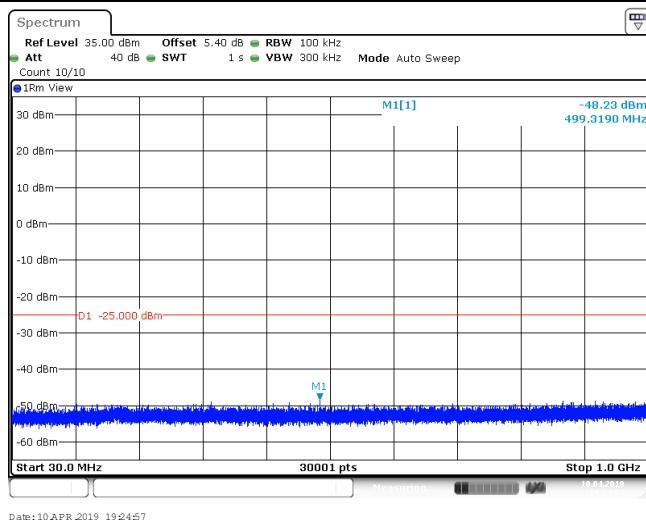


Band7_20MHz_16QAM_21350_1RB#0

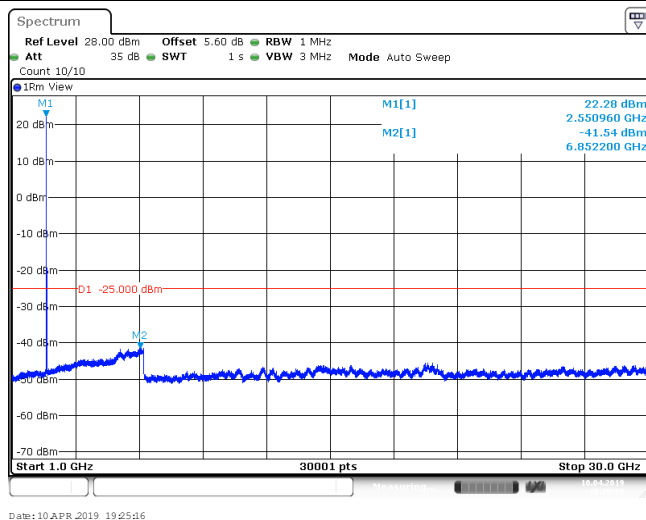


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



7. Field Strength of Spurious Radiation

7.1. Main Antenna

7.1.1. Test BAND = LTE Band 7

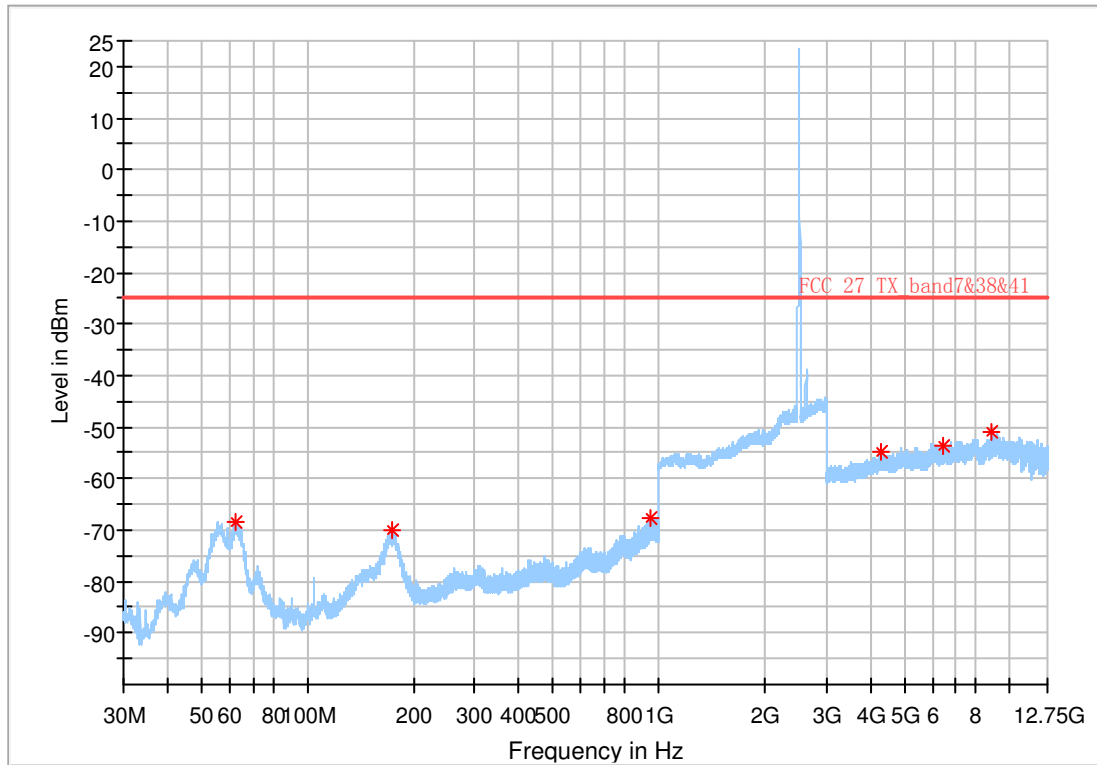
7.1.1.1. Test Mode = LTE/TM1 20MHz

7.1.1.1.1. Test Channel = LCH



7.1.1.1.1. Horizontal

Full Spectrum



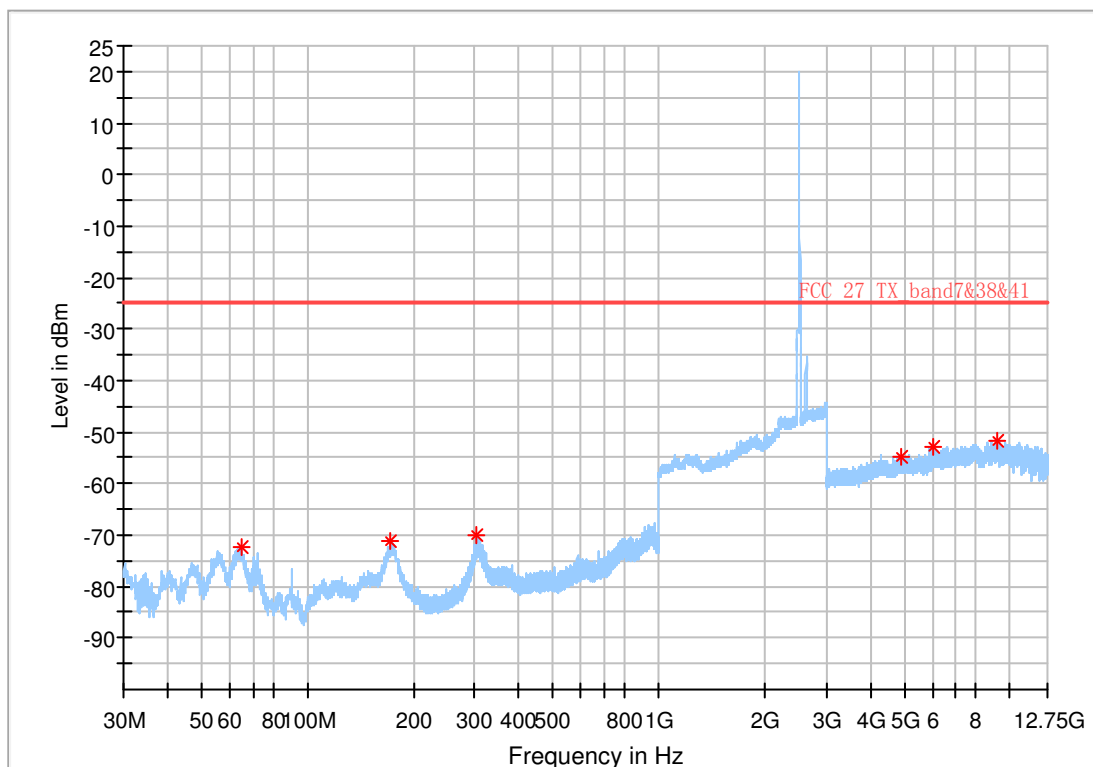
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.600000	-68.54	-25.00	43.54	---	---	200.0	H	334.0	-95.2
175.050000	-70.17	-25.00	45.17	---	---	200.0	H	218.0	-107.2
949.354167	-67.63	-25.00	42.63	---	---	200.0	H	262.0	-91.9
4311.050000	-55.00	-25.00	30.00	---	---	200.0	H	1.0	-102.6
6467.425000	-53.80	-25.00	28.80	---	---	200.0	H	1.0	-99.5
8875.025000	-50.83	-25.00	25.83	---	---	200.0	H	0.0	-97.2



7.1.1.1.1.2. Vertical

Full Spectrum



Critical_Freqs

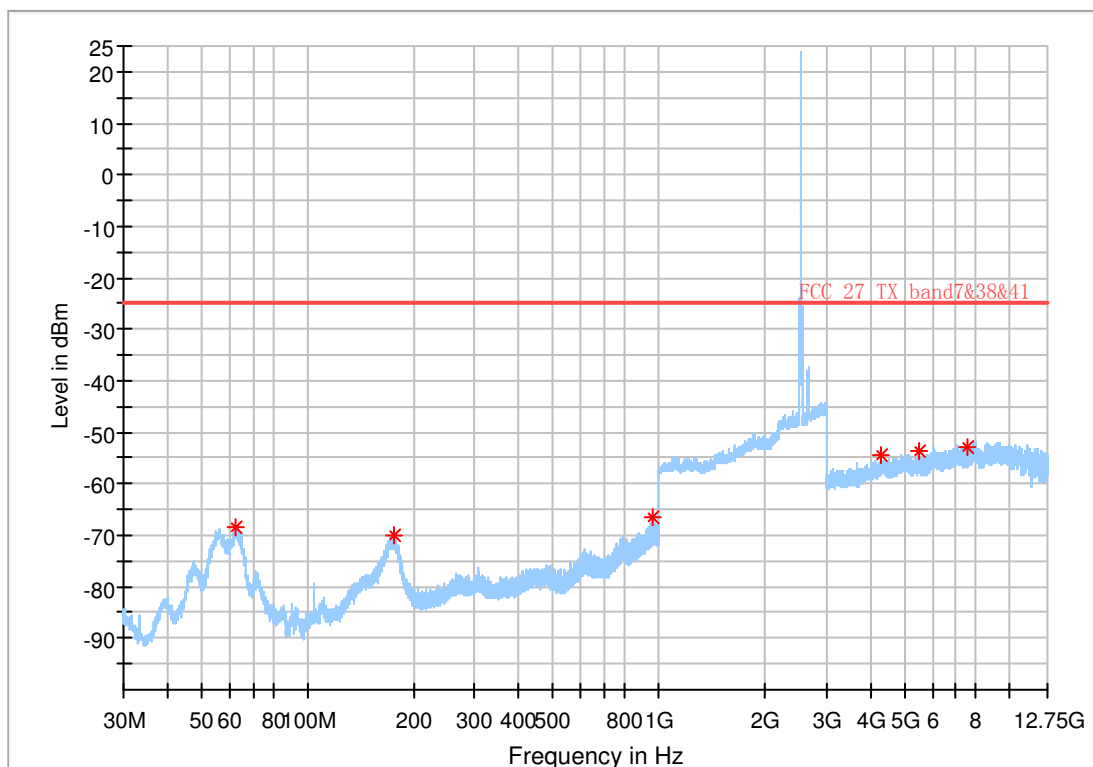
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.150000	-72.38	-25.00	47.38	---	---	200.0	V	0.0	-99.7
172.900000	-71.30	-25.00	46.30	---	---	200.0	V	56.0	-108.9
304.350000	-69.91	-25.00	44.91	---	---	200.0	V	0.0	-102.3
4878.825000	-54.80	-25.00	29.80	---	---	200.0	V	0.0	-101.8
6062.150000	-53.05	-25.00	28.05	---	---	200.0	V	1.0	-99.7
9219.200000	-51.87	-25.00	26.87	---	---	200.0	V	0.0	-97.0



7.1.1.1.2. Test Channel = MCH

7.1.1.1.2.1. Horizontal

Full Spectrum



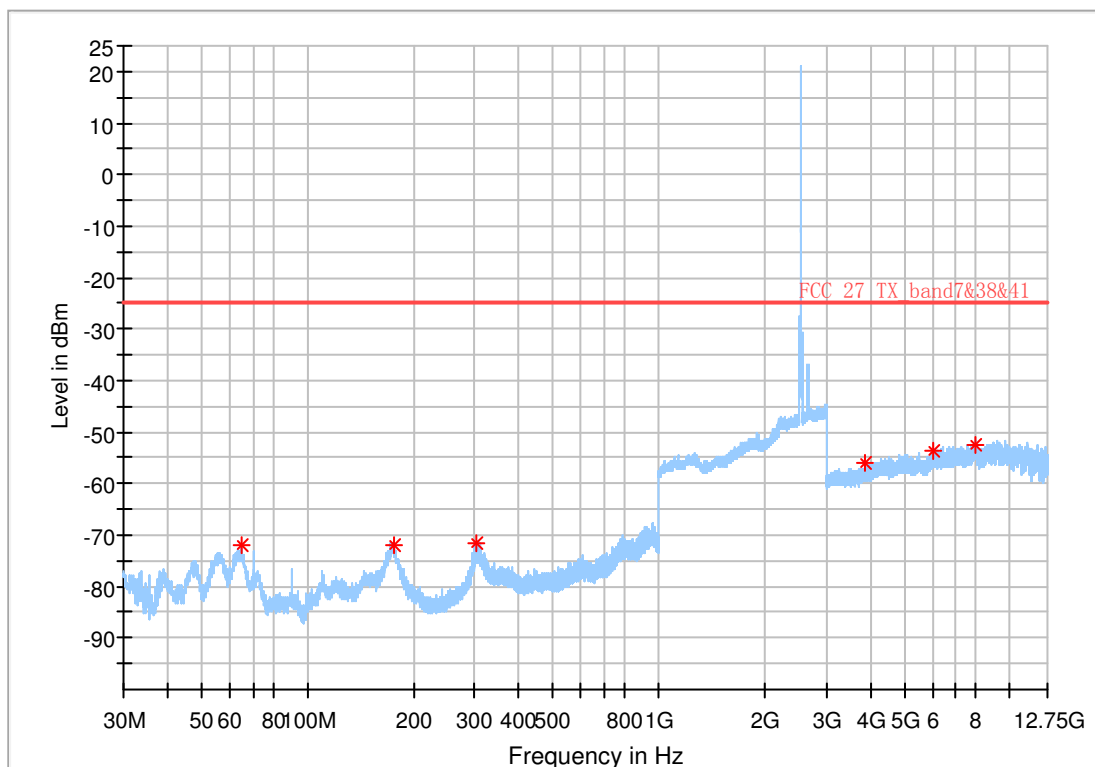
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.400000	-68.63	-25.00	43.63	---	---	200.0	H	81.0	-95.0
176.050000	-70.15	-25.00	45.15	---	---	200.0	H	219.0	-107.2
959.987500	-66.65	-25.00	41.65	---	---	200.0	H	114.0	-91.8
4312.350000	-54.51	-25.00	29.51	---	---	200.0	H	1.0	-102.5
5535.650000	-53.50	-25.00	28.50	---	---	200.0	H	0.0	-101.4
7496.700000	-52.73	-25.00	27.73	---	---	200.0	H	0.0	-99.1



7.1.1.1.2.2. Vertical

Full Spectrum



Critical_Freqs

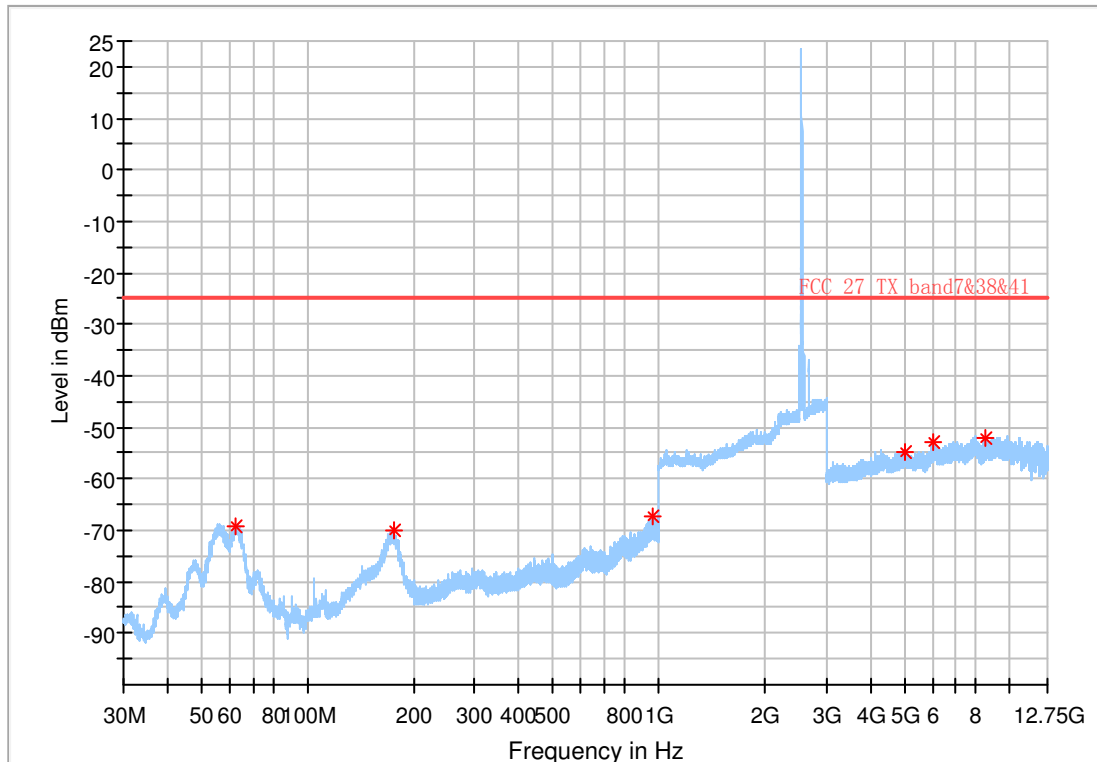
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.200000	-72.07	-25.00	47.07	---	---	200.0	V	0.0	-99.7
177.050000	-72.09	-25.00	47.09	---	---	200.0	V	33.0	-109.2
300.900000	-71.76	-25.00	46.76	---	---	200.0	V	33.0	-102.4
3845.325000	-55.83	-25.00	30.83	---	---	200.0	V	212.0	-104.1
6068.000000	-53.48	-25.00	28.48	---	---	200.0	V	0.0	-99.8
7925.375000	-52.35	-25.00	27.35	---	---	200.0	V	0.0	-97.9



7.1.1.1.3. Test Channel = HCH

7.1.1.1.3.1. Horizontal

Full Spectrum



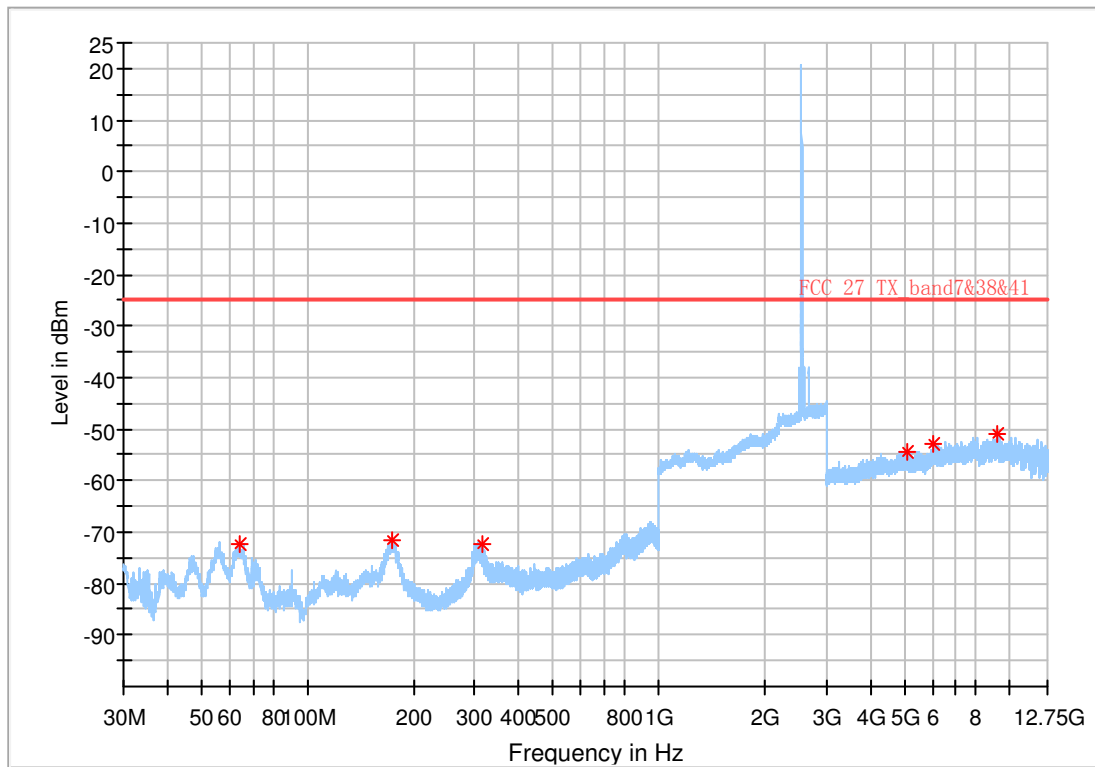
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.600000	-69.08	-25.00	44.08	---	---	200.0	H	33.0	-95.2
176.800000	-70.11	-25.00	45.11	---	---	200.0	H	218.0	-107.2
962.462500	-67.28	-25.00	42.28	---	---	200.0	H	191.0	-91.9
5032.550000	-54.78	-25.00	29.78	---	---	200.0	H	1.0	-101.4
6052.725000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-99.9
8505.175000	-51.97	-25.00	26.97	---	---	200.0	H	0.0	-98.1



7.1.1.1.3.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.600000	-72.42	-25.00	47.42	---	---	200.0	V	194.0	-99.9
173.350000	-71.69	-25.00	46.69	---	---	200.0	V	55.0	-108.9
313.200000	-72.28	-25.00	47.28	---	---	200.0	V	358.0	-102.0
5054.650000	-54.58	-25.00	29.58	---	---	200.0	V	0.0	-101.6
6052.400000	-53.06	-25.00	28.06	---	---	200.0	V	0.0	-99.8
9154.200000	-50.96	-25.00	25.96	---	---	200.0	V	2.0	-97.0



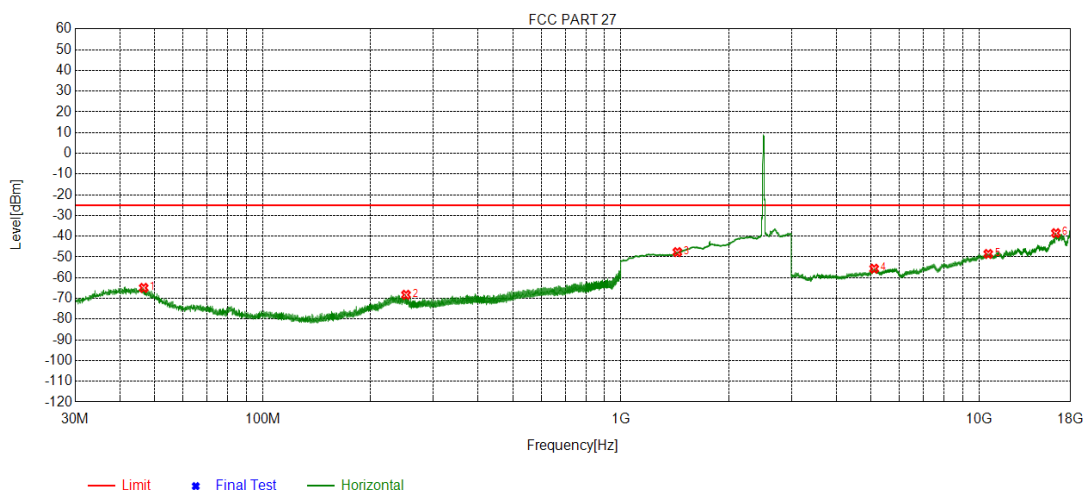
7.2. Secondary Antenna

7.2.1. Test BAND = LTE Band 7

7.2.1.1. Test Mode = LTE/TM1 20MHz

7.2.1.1.1. Test Channel = LCH

7.2.1.1.1.1. Horizontal

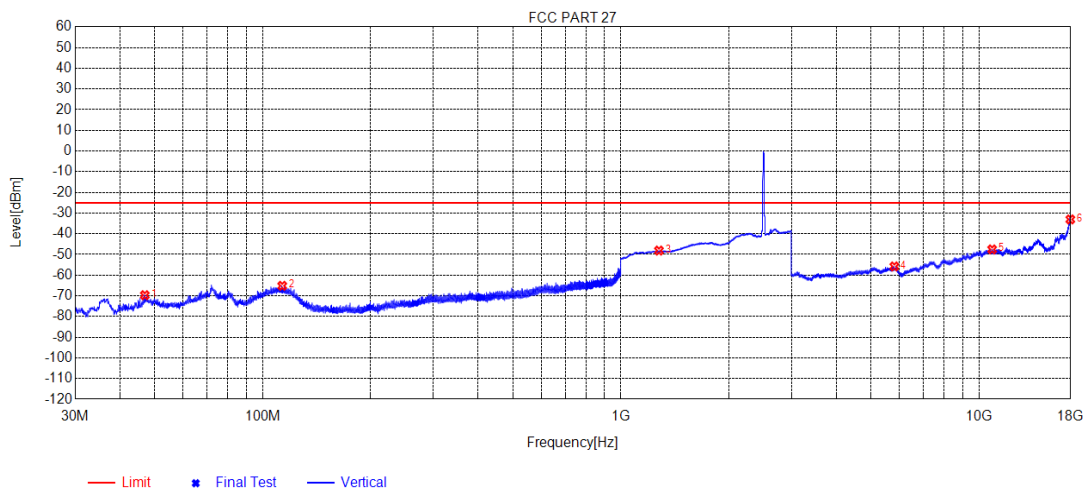


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	46.5878	-71.01	-64.90	-25.00	39.90	6.11	Horizontal
2	251.5591	-70.48	-68.24	-25.00	43.24	2.24	Horizontal
3	1438.887	-69.11	-47.63	-25.00	22.63	21.48	Horizontal
4	5097.083	-77.27	-55.64	-25.00	30.64	21.63	Horizontal
5	10615.50	-77.84	-48.52	-25.00	23.52	29.32	Horizontal
6	16392.53	-75.85	-38.48	-25.00	13.48	37.37	Horizontal



7.2.1.1.1.2. Vertical



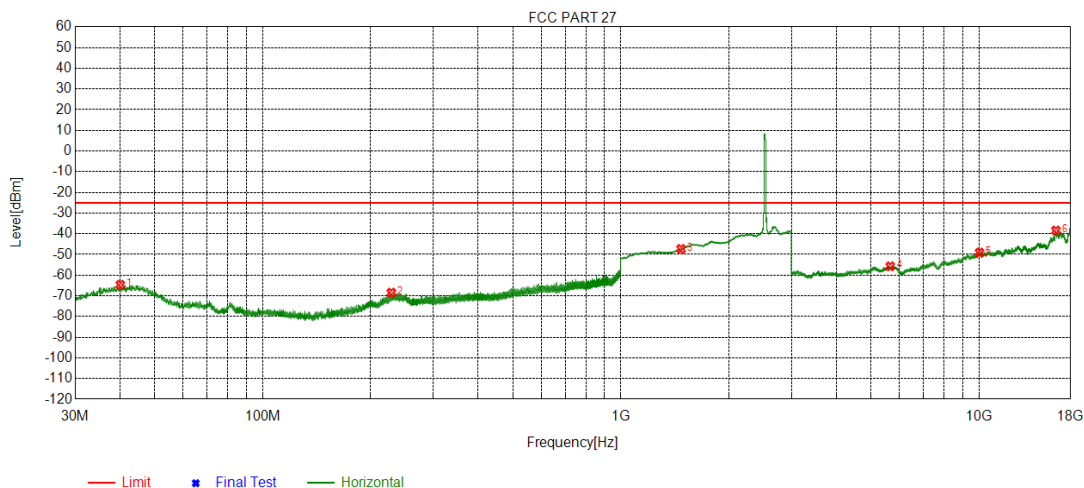
Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	46.9273	-67.82	-69.68	-25.00	44.68	-1.86	Vertical
2	113.5212	-71.25	-65.15	-25.00	40.15	6.10	Vertical
3	1278.455	-68.87	-48.11	-25.00	23.11	20.76	Vertical
4	5802.712	-77.15	-55.78	-25.00	30.78	21.37	Vertical
5	10883.11	-78.57	-47.55	-25.00	22.55	31.02	Vertical
6	17989.79	-77.47	-33.05	-25.00	8.05	44.42	Vertical



7.2.1.1.2. Test Channel = MCH

7.2.1.1.2.1. Horizontal

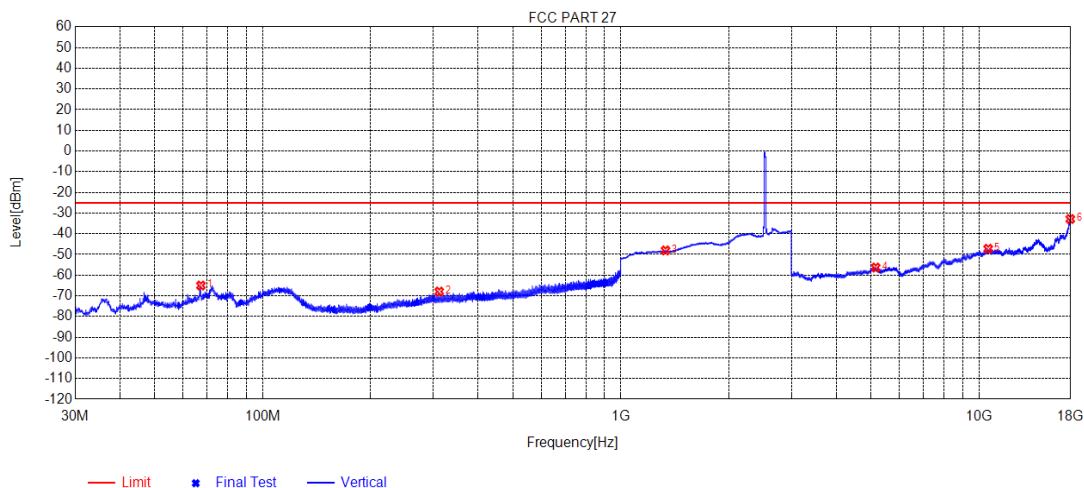


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	40.0885	-71.42	-64.66	-25.00	39.66	6.76	Horizontal
2	228.9084	-71.11	-68.48	-25.00	43.48	2.63	Horizontal
3	1473.294	-69.54	-47.31	-25.00	22.31	22.23	Horizontal
4	5653.306	-77.45	-55.71	-25.00	30.71	21.74	Horizontal
5	10037.08	-77.91	-49.09	-25.00	24.09	28.82	Horizontal
6	16393.73	-75.80	-38.40	-25.00	13.40	37.40	Horizontal



7.2.1.1.2.2. Vertical



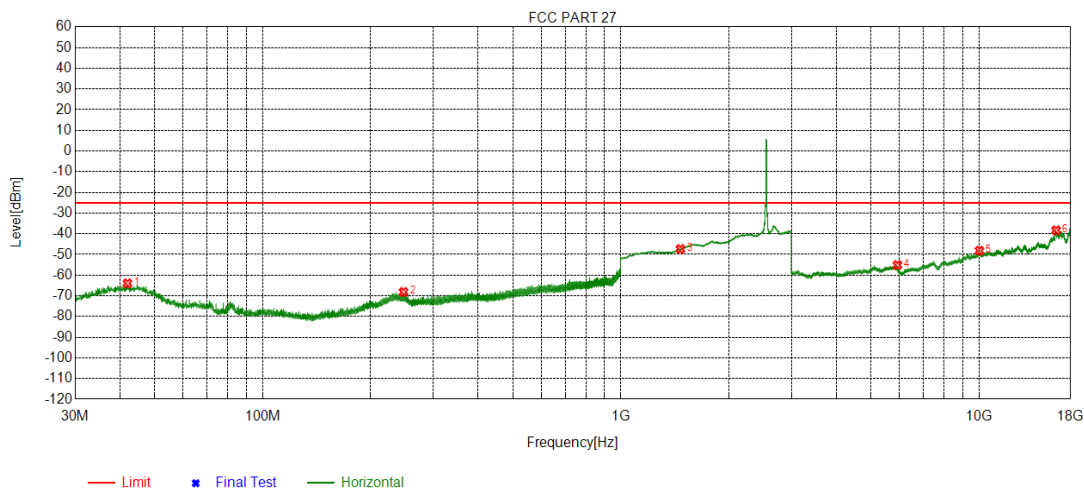
Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	67.2984	-66.49	-65.01	-25.00	40.01	1.48	Vertical
2	311.3626	-69.57	-67.92	-25.00	42.92	1.65	Vertical
3	1333.266	-69.00	-48.04	-25.00	23.04	20.96	Vertical
4	5149.886	-77.40	-56.31	-25.00	31.31	21.09	Vertical
5	10610.10	-77.09	-47.22	-25.00	22.22	29.87	Vertical
6	17986.19	-77.19	-32.85	-25.00	7.85	44.34	Vertical



7.2.1.1.3. Test Channel = HCH

7.2.1.1.3.1. Horizontal

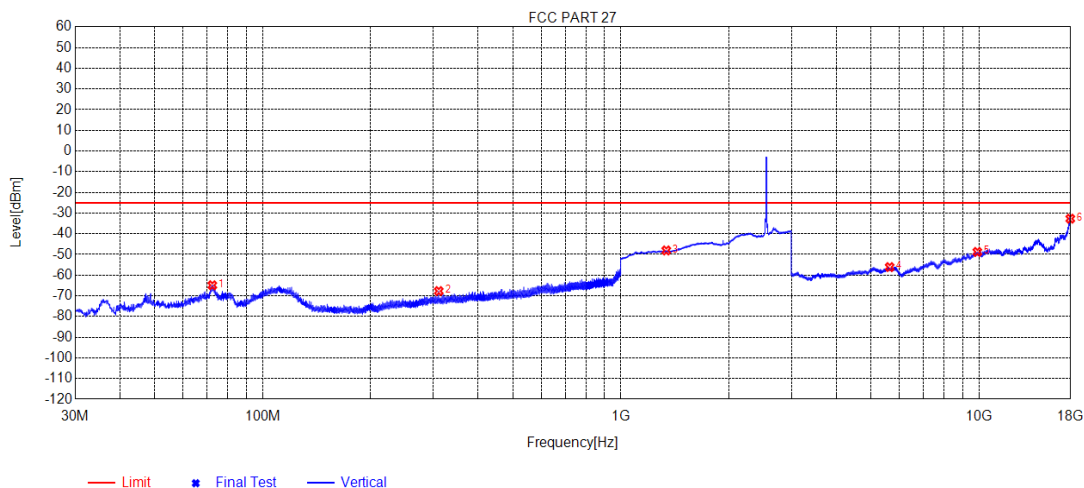


Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	41.9801	-70.82	-63.96	-25.00	38.96	6.86	Horizontal
2	247.5334	-70.75	-68.13	-25.00	43.13	2.62	Horizontal
3	1467.293	-69.48	-47.38	-25.00	22.38	22.10	Horizontal
4	5918.516	-77.12	-55.11	-25.00	30.11	22.01	Horizontal
5	10031.68	-76.99	-48.20	-25.00	23.20	28.79	Horizontal
6	16412.93	-75.67	-38.34	-25.00	13.34	37.33	Horizontal



7.2.1.1.3.2. Vertical



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	72.4396	-66.06	-64.89	-25.00	39.89	1.17	Vertical
2	310.4895	-69.35	-67.70	-25.00	42.70	1.65	Vertical
3	1340.068	-69.02	-48.05	-25.00	23.05	20.97	Vertical
4	5632.905	-77.38	-56.09	-25.00	31.09	21.29	Vertical
5	9895.475	-78.33	-48.76	-25.00	23.76	29.57	Vertical
6	17985.59	-77.02	-32.69	-25.00	7.69	44.33	Vertical

Remark:

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

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.





8. Frequency Stability

8.1. Frequency Vs Voltage

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	4.82	0.001920	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-10.46	-0.004167	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-5.25	-0.002092	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	6.65	0.002623	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	7.54	0.002974	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	4.76	0.001878	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-6.41	-0.002504	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-5.72	-0.002234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-6.91	-0.002699	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	6.31	0.002514	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	6.34	0.002526	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	7.14	0.002845	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	5.91	0.002331	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	6.57	0.002592	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	4.16	0.001641	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	5.42	0.002117	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-4.61	-0.001801	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-5.11	-0.001996	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	5.62	0.002239	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	4.13	0.001645	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	6.92	0.002757	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	5.18	0.002043	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	5.08	0.002004	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	4.35	0.001716	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	4.09	0.001598	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-4.09	-0.001598	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature



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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Shenzhen Branch: 科技园中区M-10栋一号厂房
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
邮编: 518057

t (86-755) 26012053 f (86-755) 26710594
t (86-755) 26012053 f (86-755) 26710594

www.sgsgroup.com.cn
sgs.china@sgs.com



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	4.55	0.001813	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-7.38	-0.002940	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	4.72	0.001880	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-4.82	-0.001920	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	3.65	0.001454	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	4.19	0.001669	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	4.99	0.001988	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-5.84	-0.002327	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	5.49	0.002166	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-4.33	-0.001708	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	3.89	0.001535	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	6.02	0.002375	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	4.03	0.001590	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	5.01	0.001976	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.63	-0.001432	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	4.82	0.001901	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-5.59	-0.002184	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-6.28	-0.002453	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	7.31	0.002855	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	5.59	0.002184	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-6.38	-0.002492	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-6.47	-0.002527	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	7.81	0.003051	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-7.47	-0.002918	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	6.61	0.002633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	6.91	0.002753	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-6.22	-0.002478	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	5.92	0.002359	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	6.81	0.002713	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	6.01	0.002394	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	7.78	0.003100	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-7.55	-0.003008	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	6.14	0.002422	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	4.41	0.001740	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	6.95	0.002742	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	3.78	0.001491	±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-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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAA) Calibration Laboratory

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



Band7	20MHz	64QAM	21100	100RB#0	NV	20	5.12	0.002020	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-8.07	-0.003183	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	4.73	0.001866	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	4.89	0.001929	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	5.58	0.002180	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	6.17	0.002410	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-5.72	-0.002234	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-5.18	-0.002023	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-5.45	-0.002129	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-5.81	-0.002270	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	5.68	0.002219	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	6.74	0.002633	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	6.05	0.002410	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-7.78	-0.003100	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	6.61	0.002633	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-6.87	-0.002737	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	7.25	0.002888	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-7.02	-0.002797	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-5.85	-0.002331	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	6.14	0.002446	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	3.85	0.001519	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	4.43	0.001748	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	4.62	0.001822	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	4.65	0.001834	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	4.94	0.001949	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-3.89	-0.001535	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-4.96	-0.001957	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	4.89	0.001929	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-4.61	-0.001801	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-4.19	-0.001637	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	4.96	0.001938	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-4.12	-0.001609	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-4.18	-0.001633	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	5.01	0.001957	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	4.52	0.001766	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-3.55	-0.001387	±2.5	PASS

The End



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

Member of the SGS Group (SGS SA)



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