



Appendix B

E-UTRA Band 7



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

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

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

7.1.1.1.2.1. 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 STABILITY90

8.1. FREQUENCY VS VOLTAGE 90

8.2. FREQUENCY VS TEMPERATURE 90



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

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

1. Effective (Isotropic) Radiated Power

1.1. Test Result

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



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



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



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



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

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



Band7	15MHz	16QAM	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



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-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



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



Band7	5MHz	64QAM	21425	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-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	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



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



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



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



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,

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

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



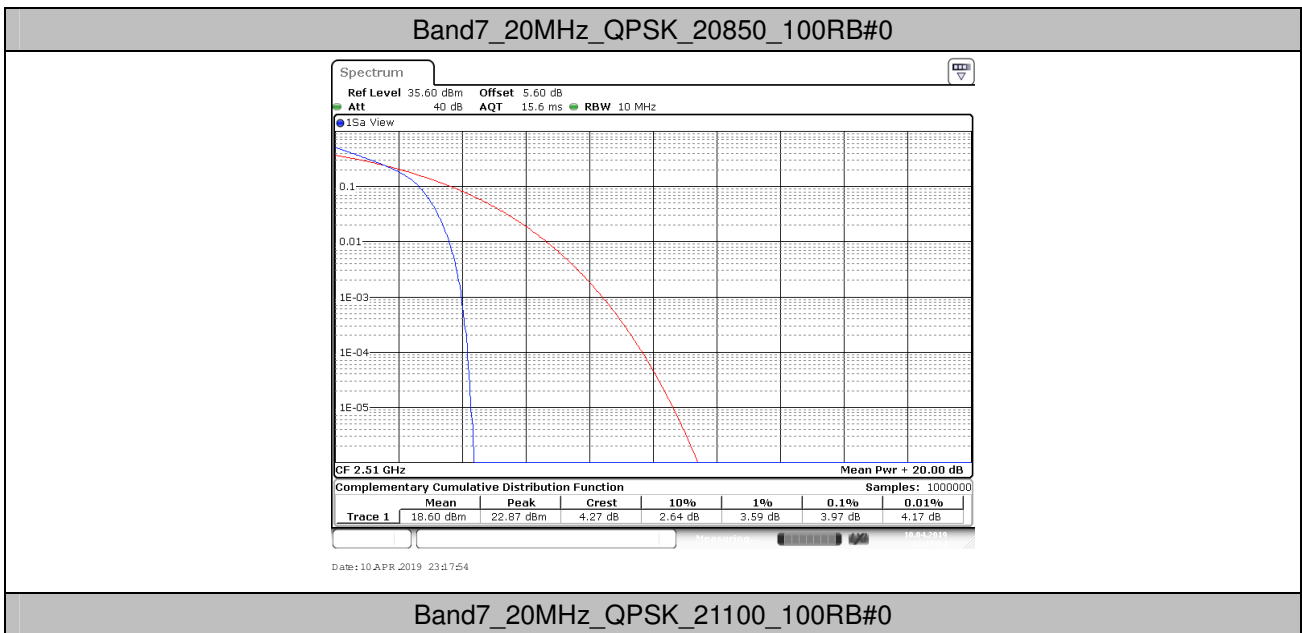
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

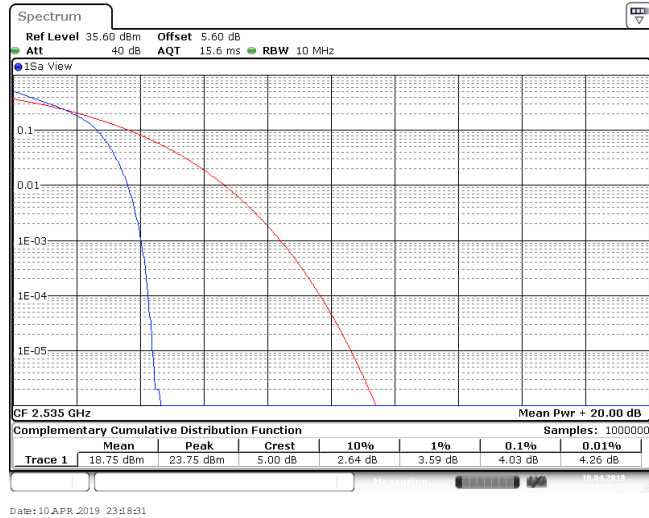
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	3.97	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.03	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.06	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	4.00	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	4.09	13	PASS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

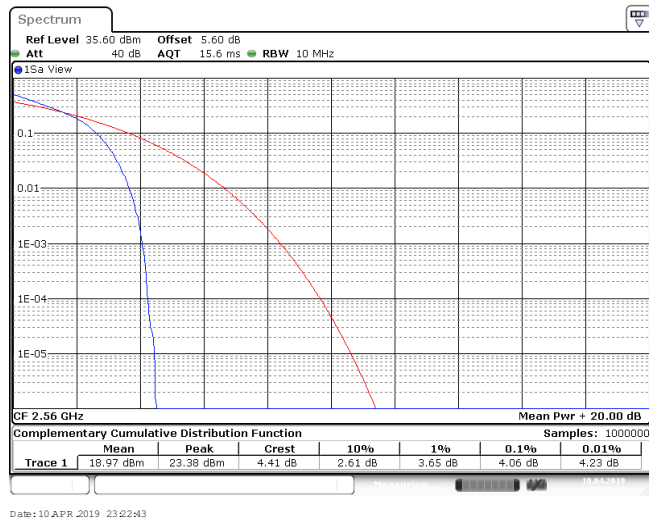


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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_QPSK_21350_100RB#0

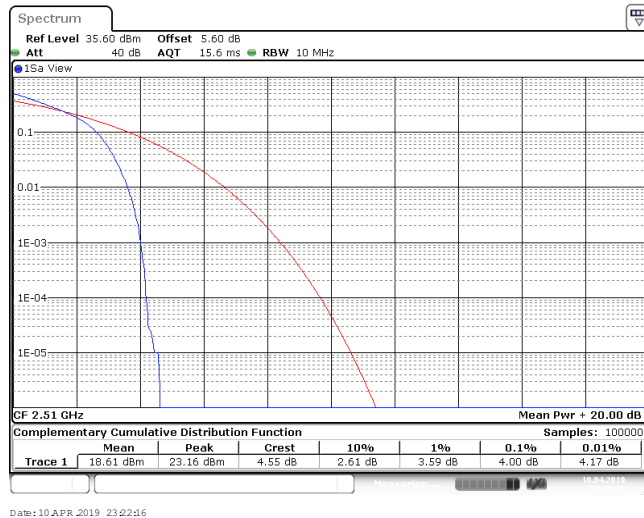


Band7_20MHz_64QAM_20850_100RB#0



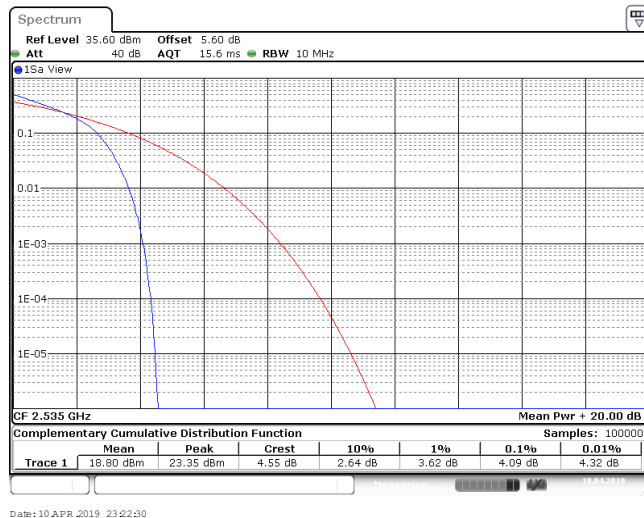
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 23:22:16

Band7_20MHz_64QAM_21100_100RB#0

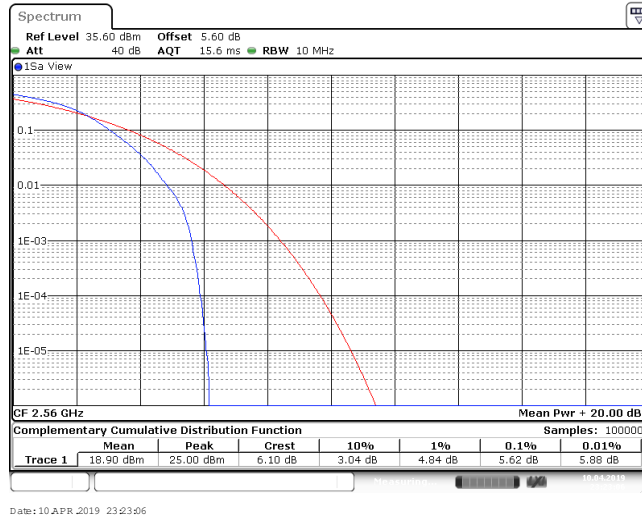


Date: 10 APR.2019 23:22:30

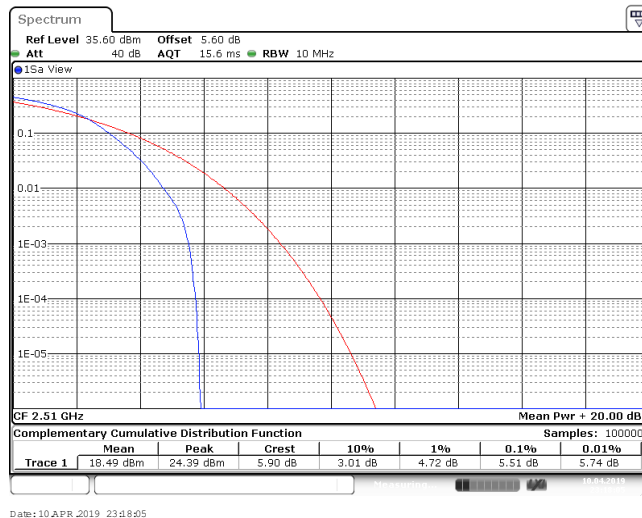
Band7_20MHz_64QAM_21350_100RB#0



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



Band7_20MHz_16QAM_20850_100RB#0

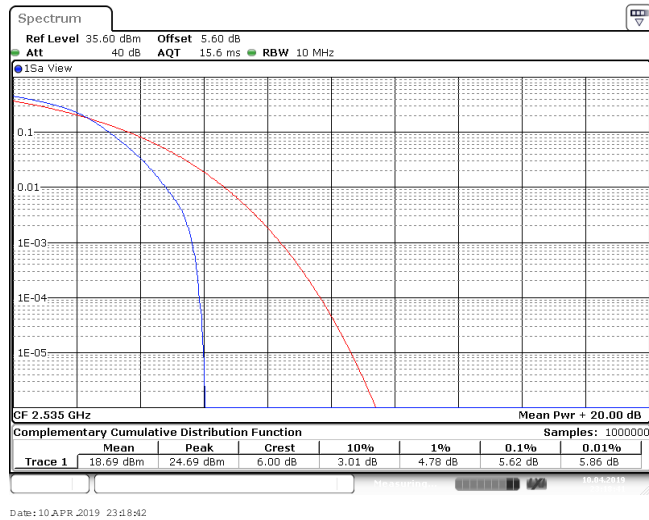


Band7_20MHz_16QAM_21100_100RB#0



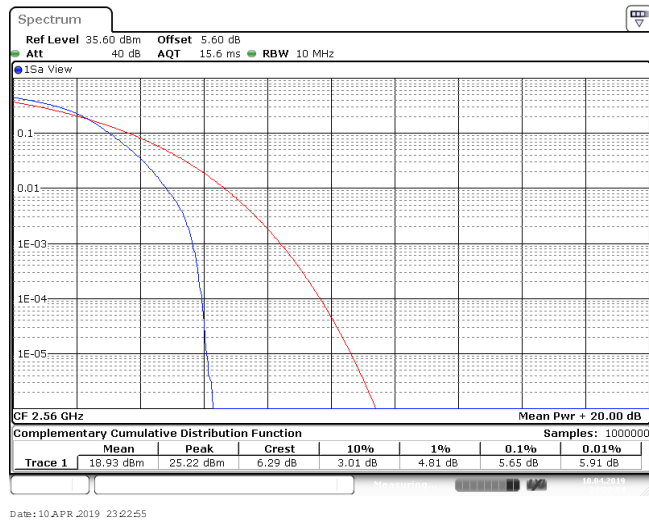
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 23:48:42

Band7_20MHz_16QAM_21350_100RB#0



Date: 10 APR.2019 23:22:55



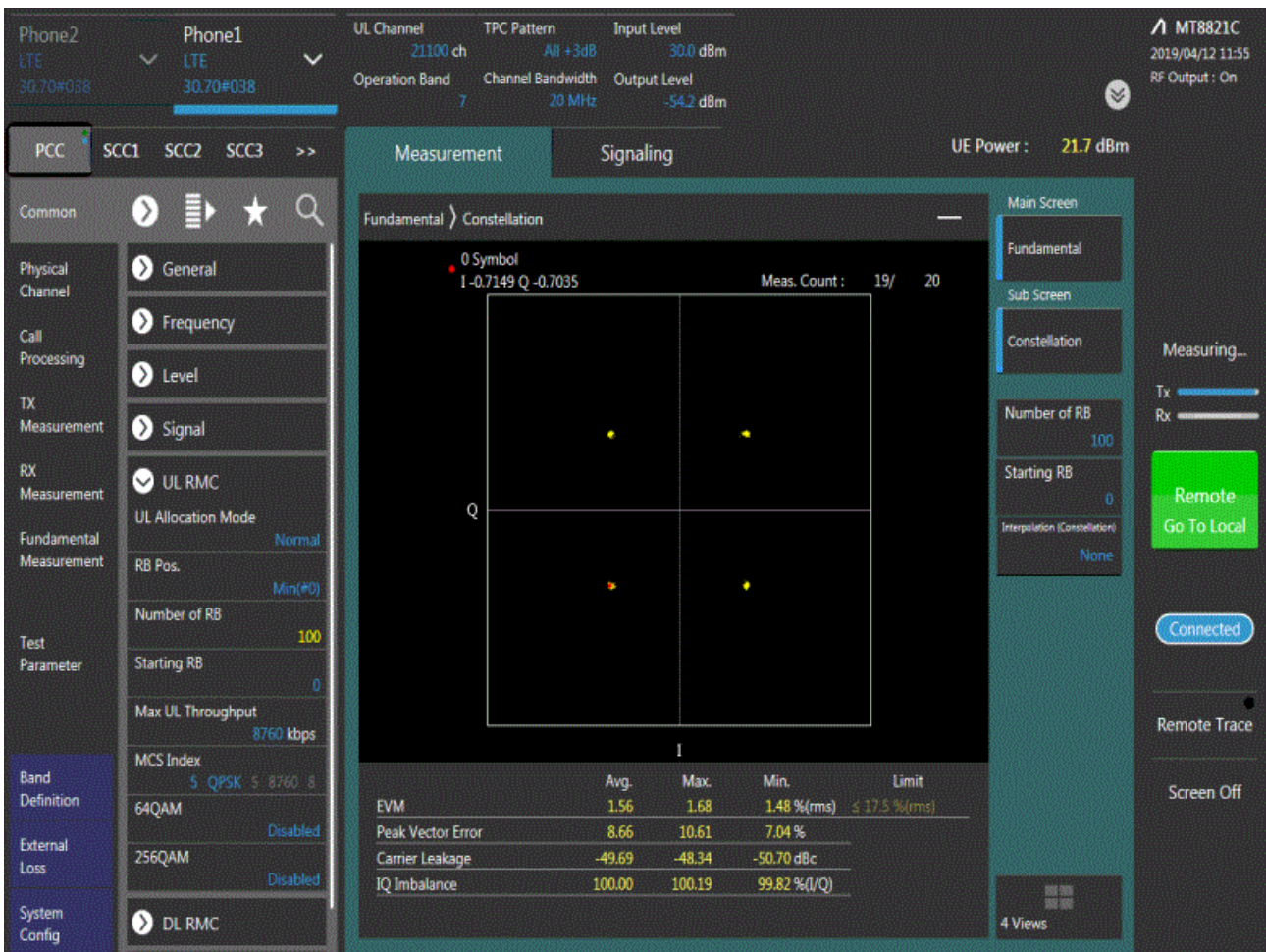
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test BAND = LTE Band 7

3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH

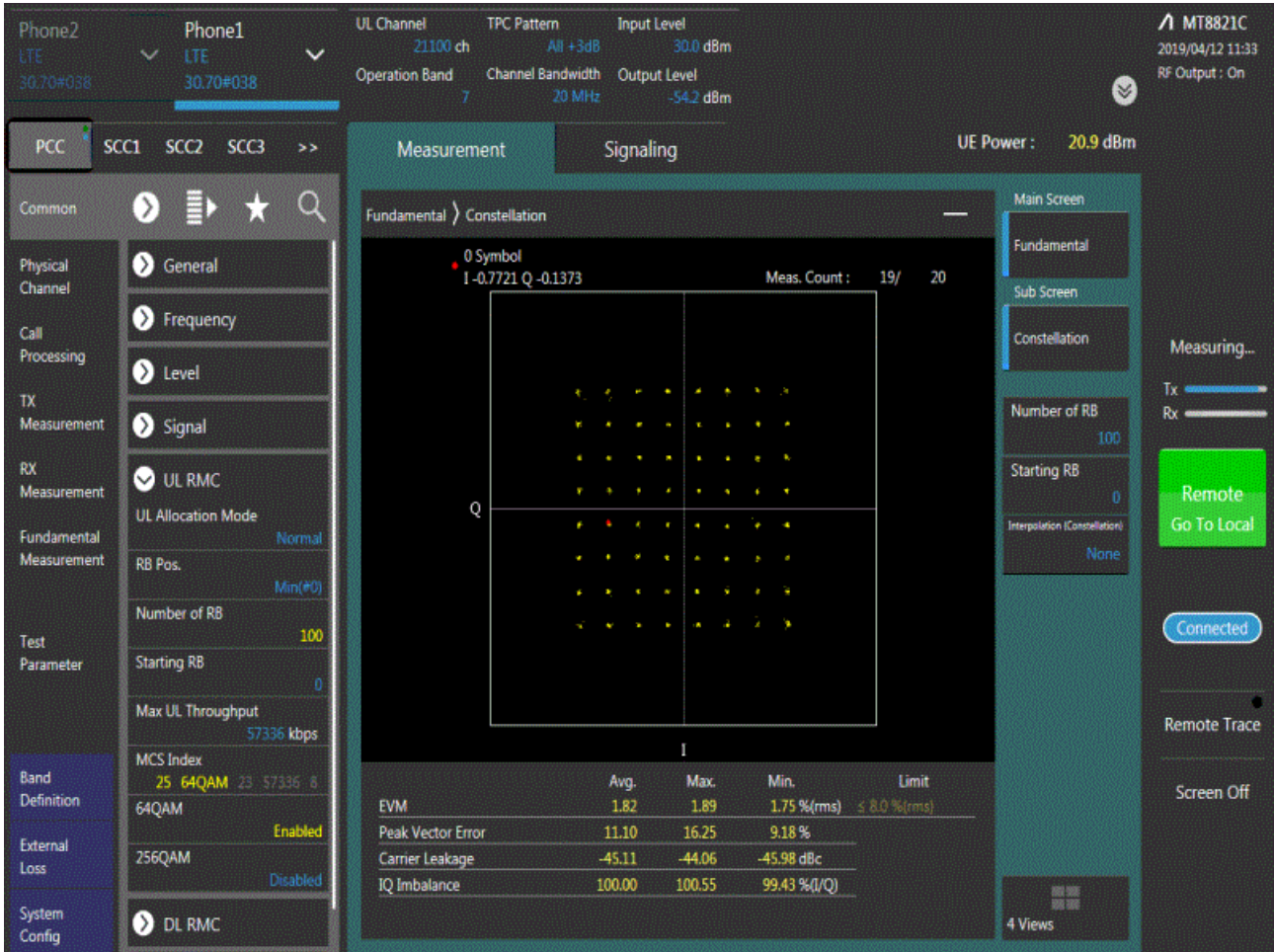


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

3.3. Test Mode = LTE /TM2 20MHz

3.3.1. Test Channel = MCH

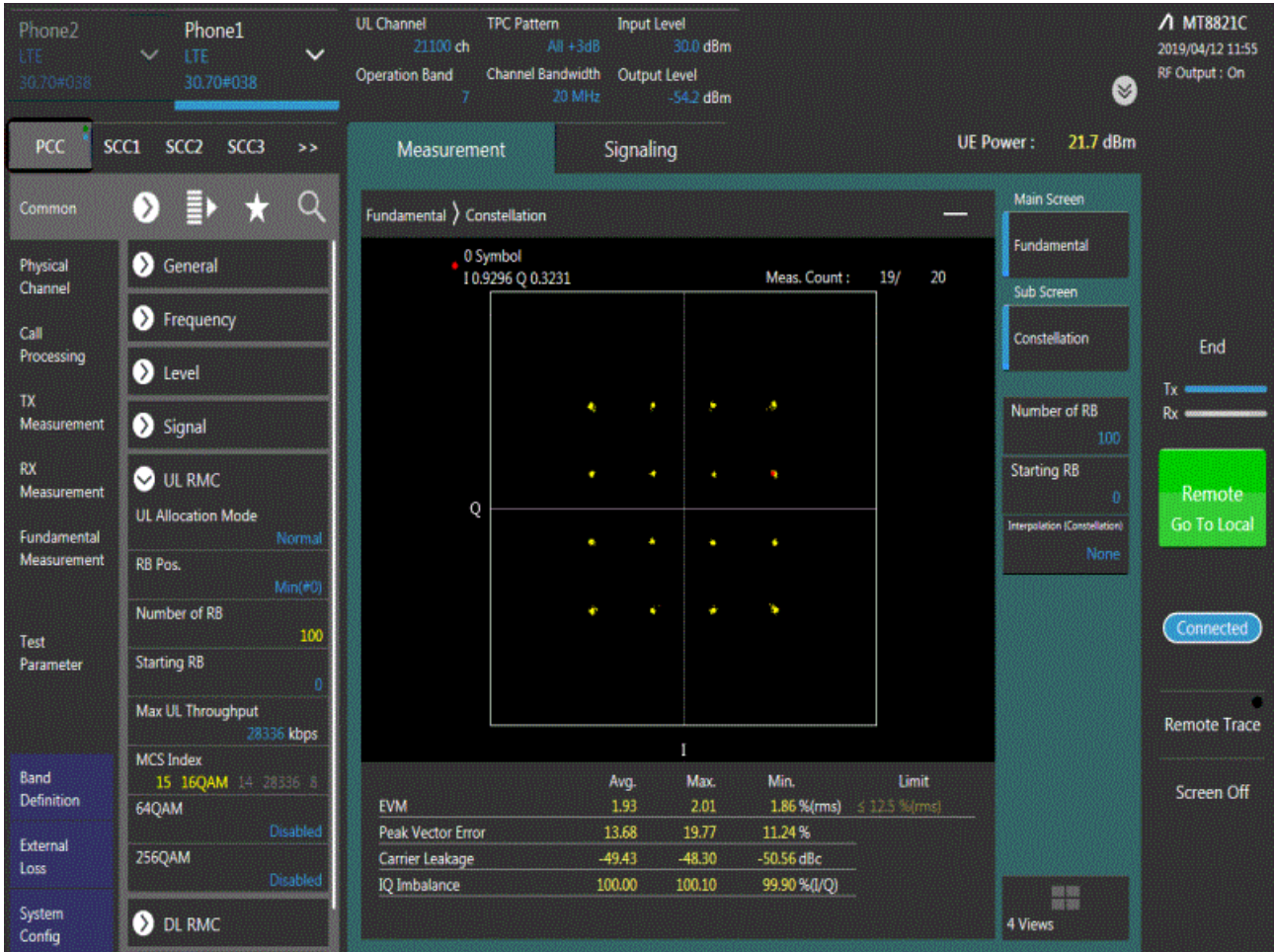


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

3.4. Test Mode = LTE /TM3 20MHz

3.4.1. Test Channel = MCH



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

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

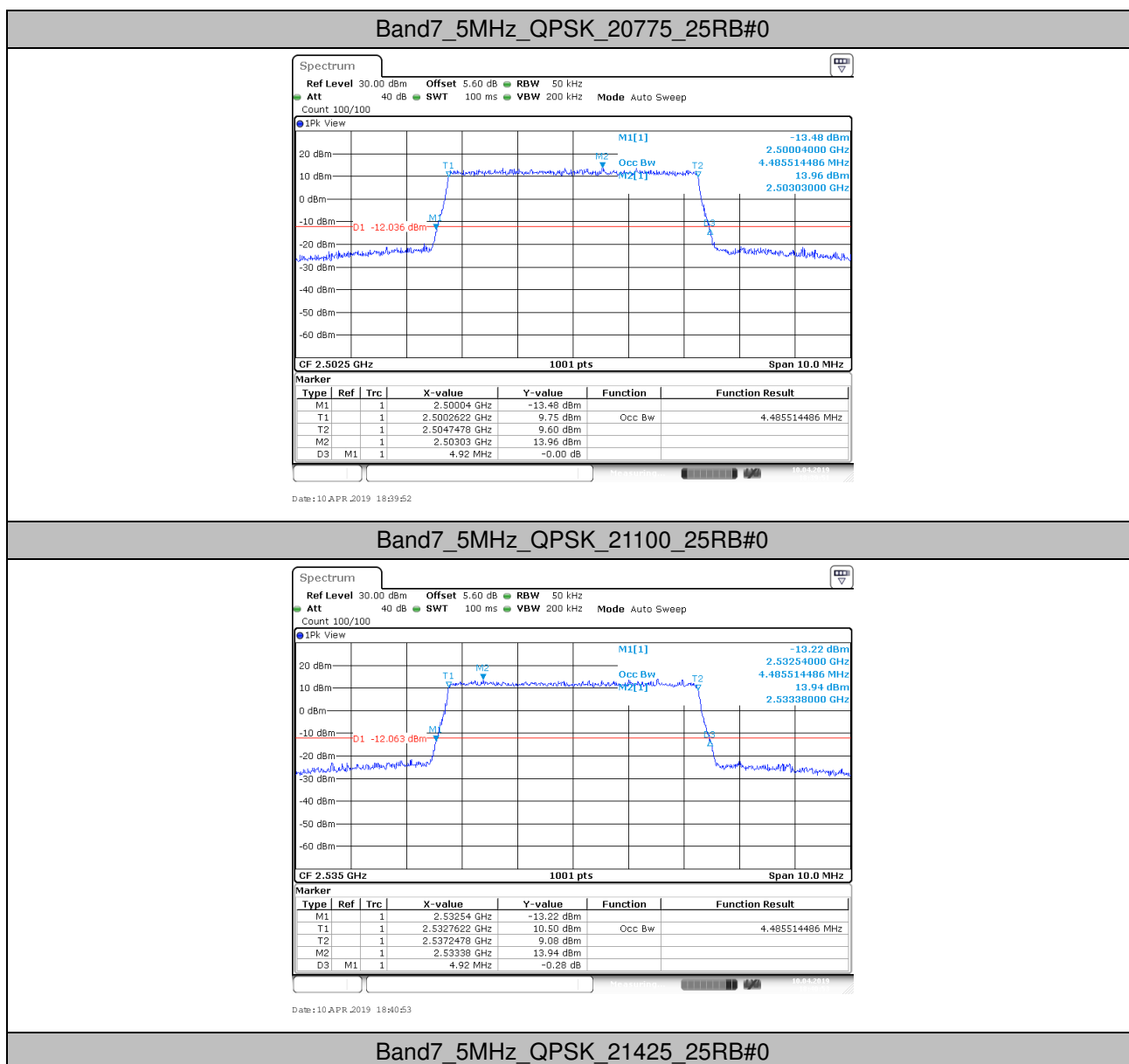
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.486	4.920	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.486	4.920	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.486	4.910	PASS
Band7	5MHz	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

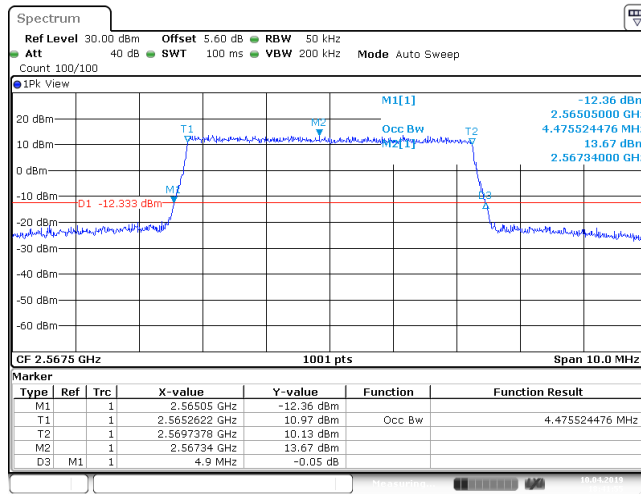


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7	20MHz	64QAM	21100	100RB#0	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

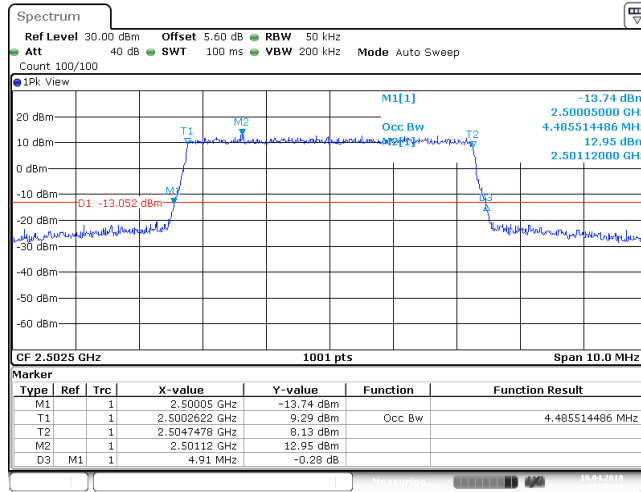
4.2. Test Plots





Date: 10 APR 2019 18:41:56

Band7_5MHz_64QAM_20775_25RB#0

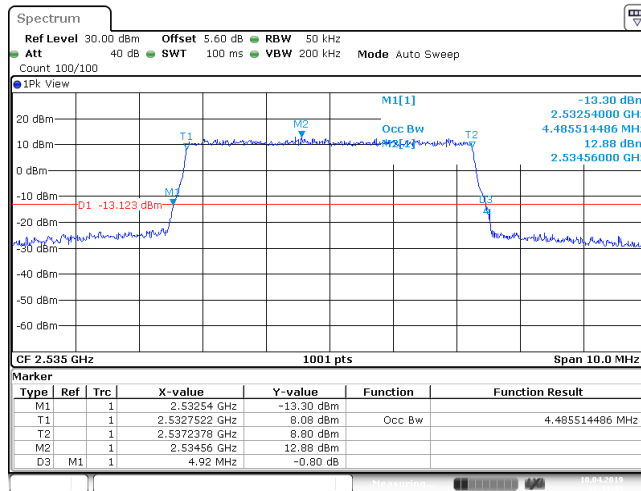


Date: 10 APR 2019 18:40:51

Band7_5MHz_64QAM_21100_25RB#0

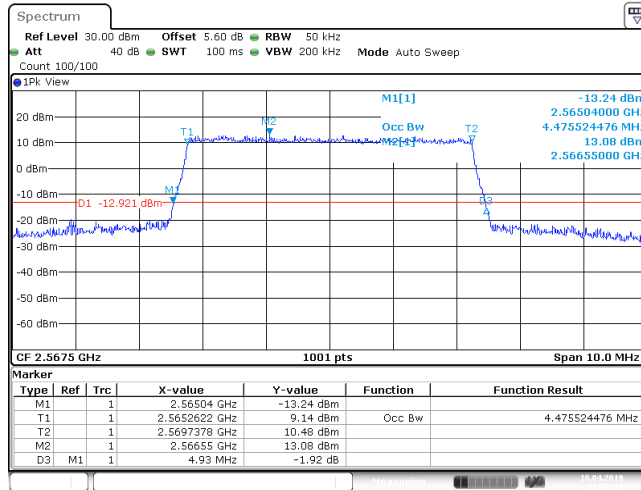


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:41:33

Band7_5MHz_64QAM_21425_25RB#0

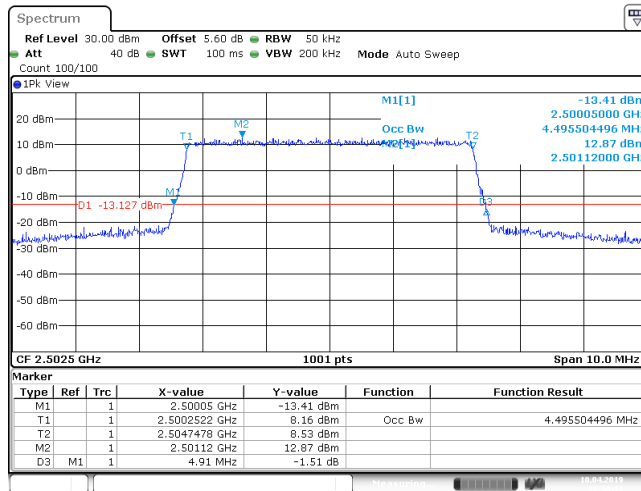


Date: 10 APR 2019 18:42:55

Band7_5MHz_16QAM_20775_25RB#0

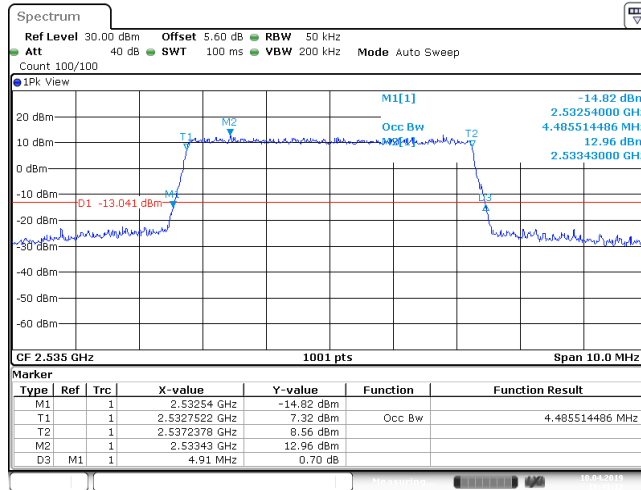


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:40:11

Band7_5MHz_16QAM_21100_25RB#0

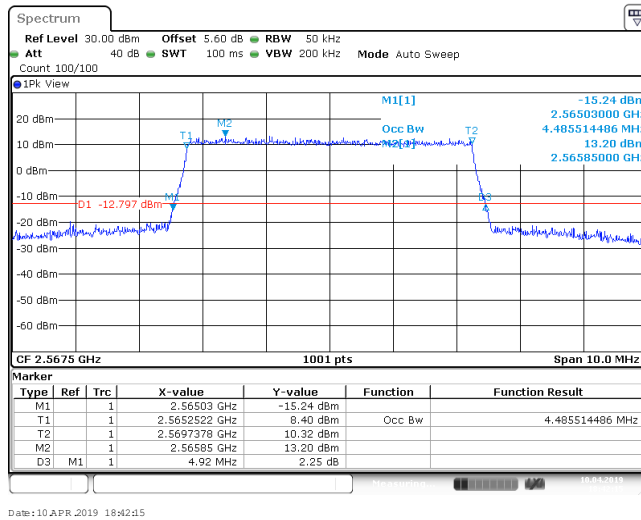


Date: 10 APR 2019 18:41:13

Band7_5MHz_16QAM_21425_25RB#0

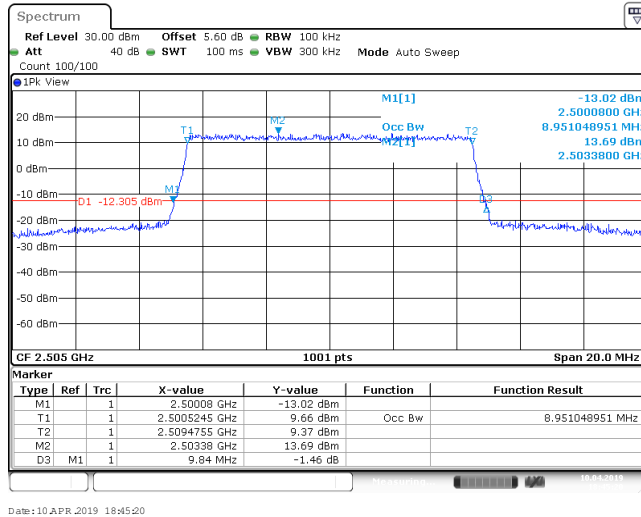


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:42:15

Band7_10MHz_QPSK_20800_50RB#0

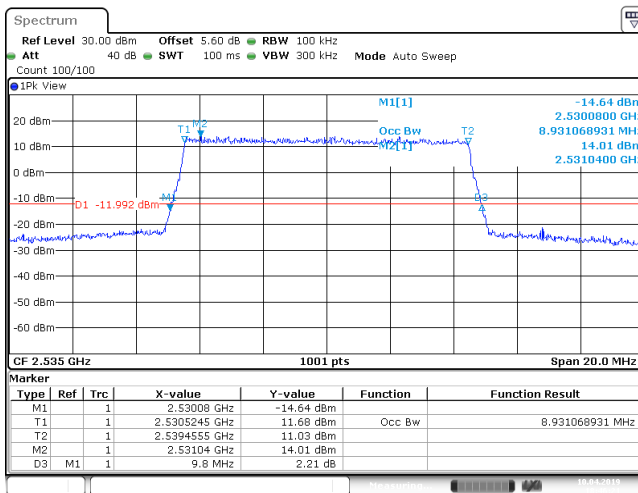


Date: 10 APR 2019 18:45:20

Band7_10MHz_QPSK_21100_50RB#0

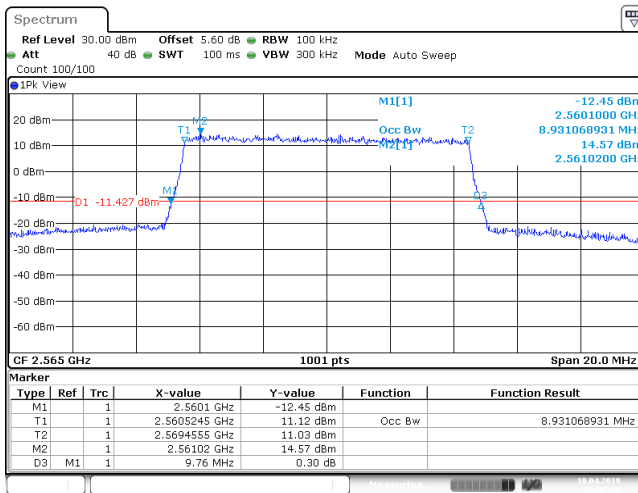


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:46:21

Band7_10MHz_QPSK_21400_50RB#0

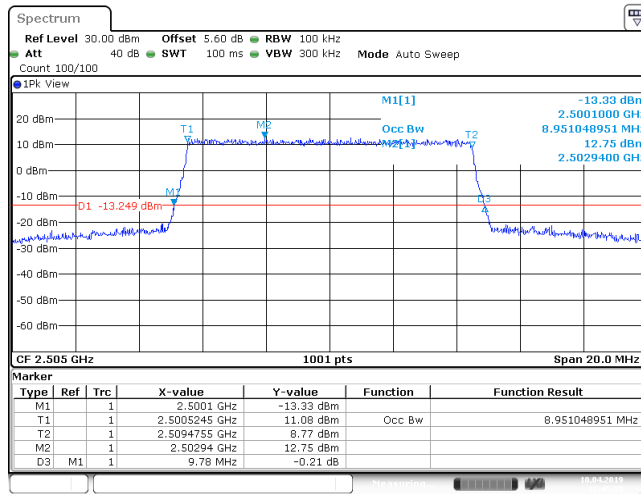


Date: 10 APR 2019 18:47:22

Band7_10MHz_64QAM_20800_50RB#0

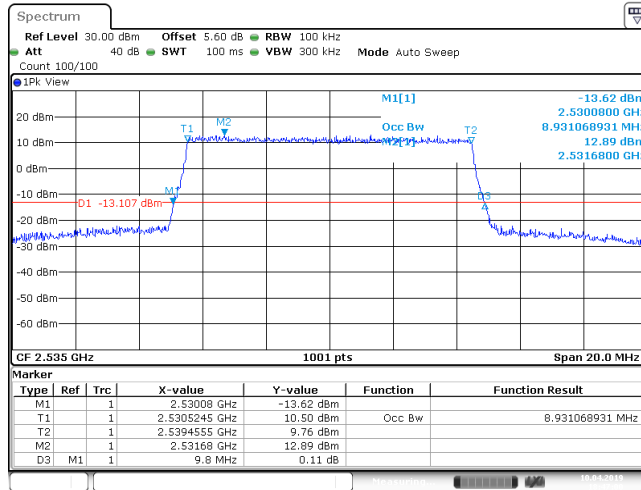


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:45:59

Band7_10MHz_64QAM_21100_50RB#0

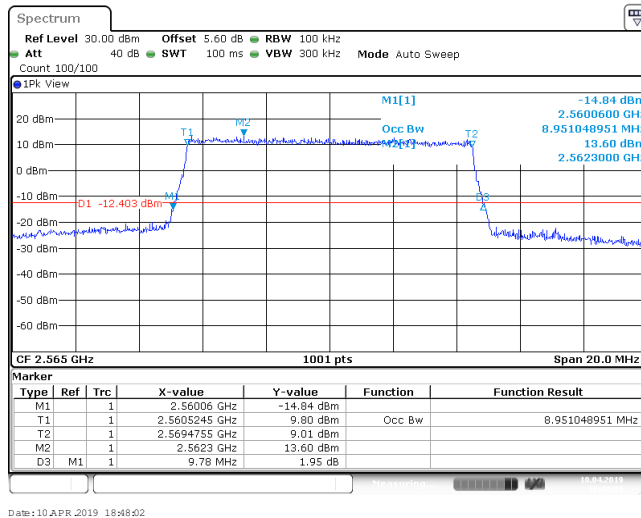


Date: 10 APR 2019 18:47:01

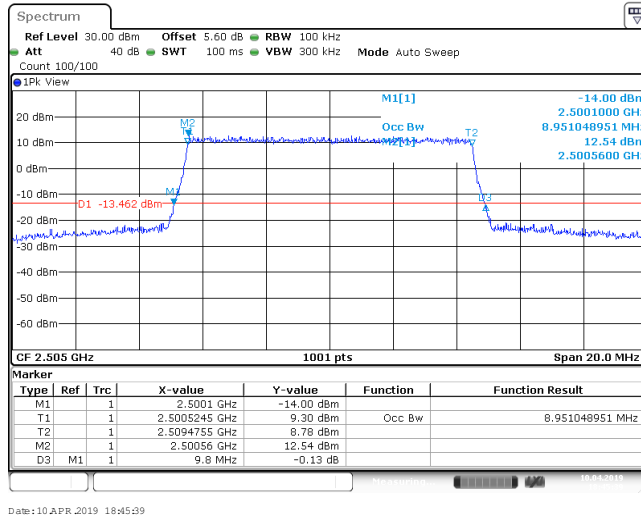
Band7_10MHz_64QAM_21400_50RB#0



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



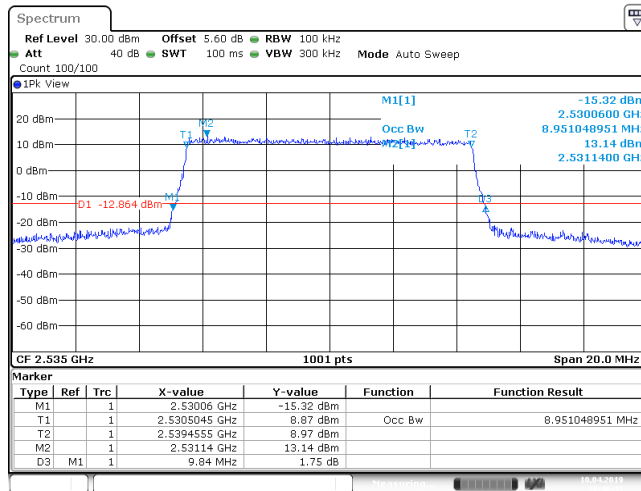
Band7_10MHz_16QAM_20800_50RB#



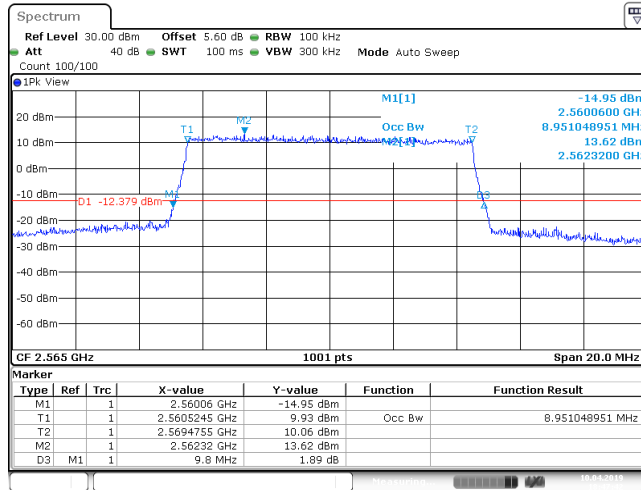
Band7_10MHz_16QAM_21100_50RB#



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



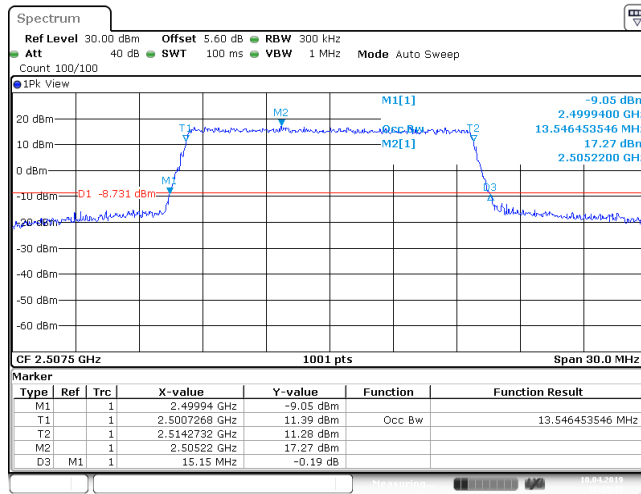
Band7_10MHz_16QAM_21400_50RB#



Band7_15MHz_QPSK_20825_75RB#

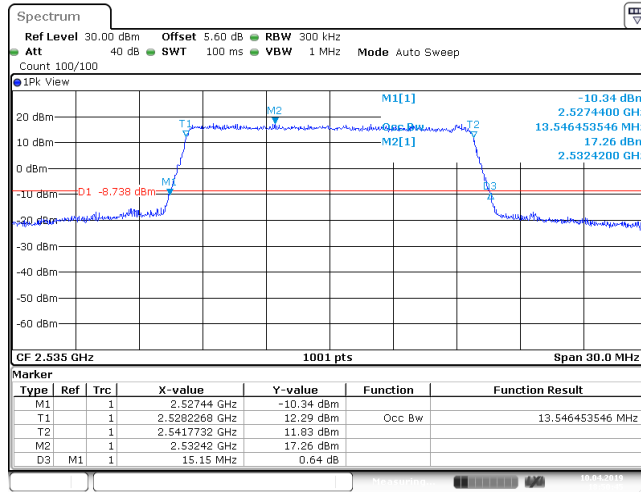


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:49:44

Band7_15MHz_QPSK_21100_75RB#0

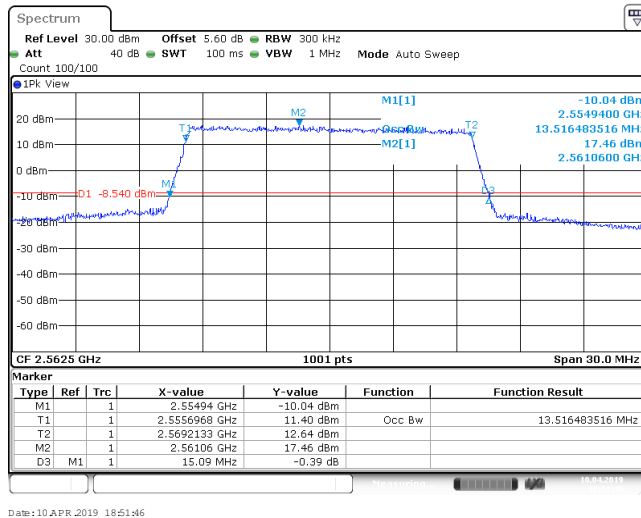


Date: 10 APR 2019 18:50:45

Band7_15MHz_QPSK_21375_75RB#0

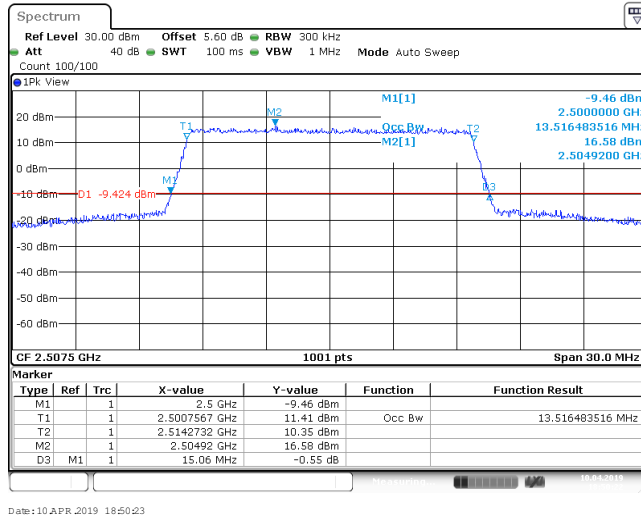


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:51:46

Band7_15MHz_64QAM_20825_75RB#0

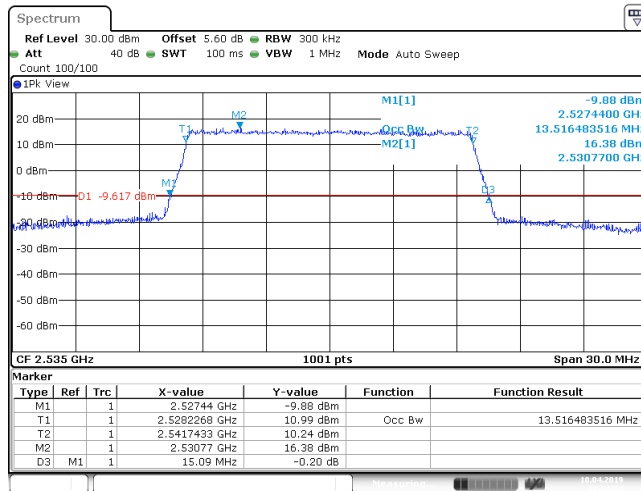


Date: 10 APR 2019 18:50:23

Band7_15MHz_64QAM_21100_75RB#0

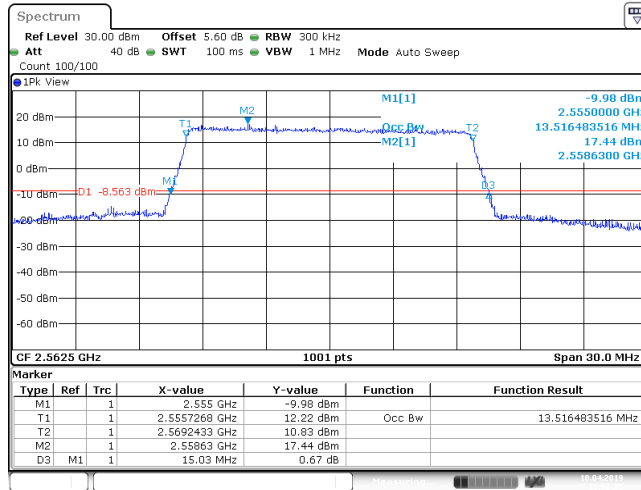


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:51:24

Band7_15MHz_64QAM_21375_75RB#0

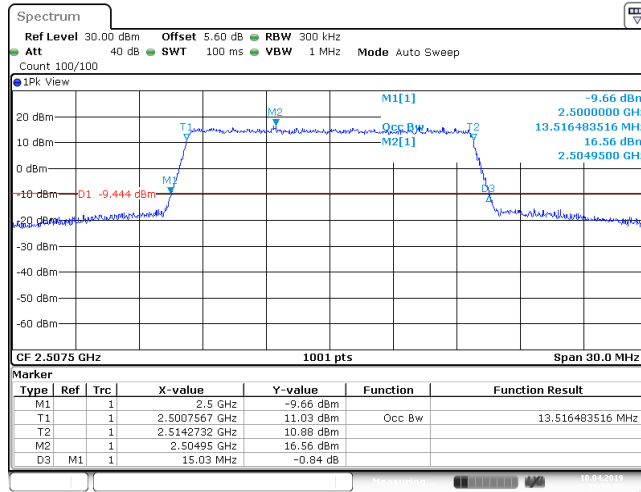


Date: 10 APR 2019 18:52:25

Band7_15MHz_16QAM_20825_75RB#0

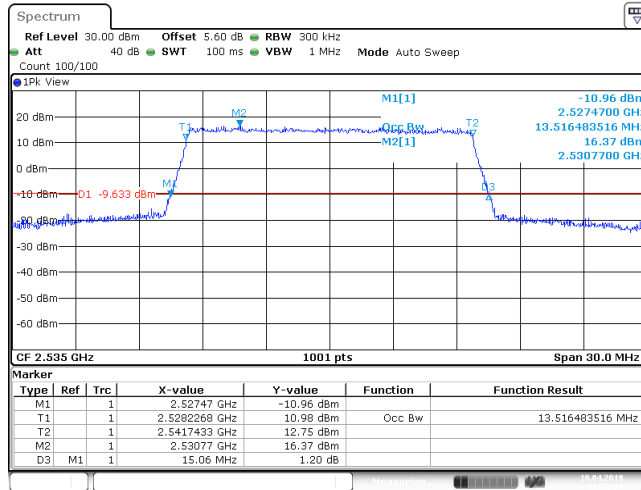


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:50:03

Band7_15MHz_16QAM_21100_75RB#0

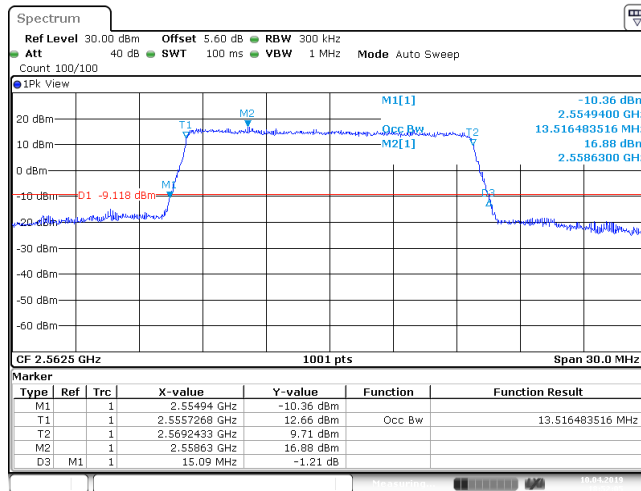


Date: 10 APR 2019 18:51:05

Band7_15MHz_16QAM_21375_75RB#0

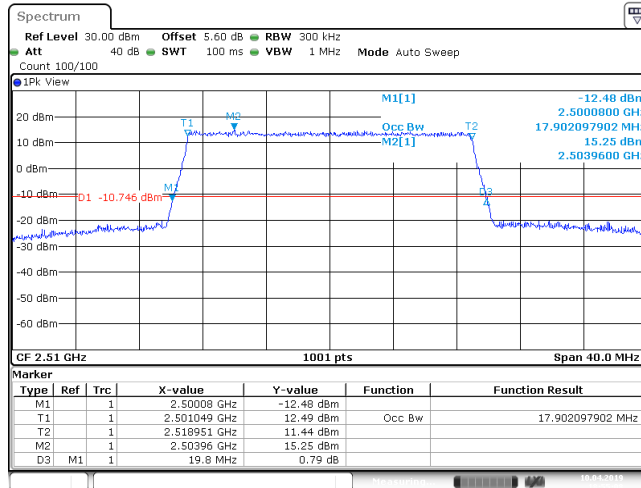


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:52:06

Band7_20MHz_QPSK_20850_100RB#0

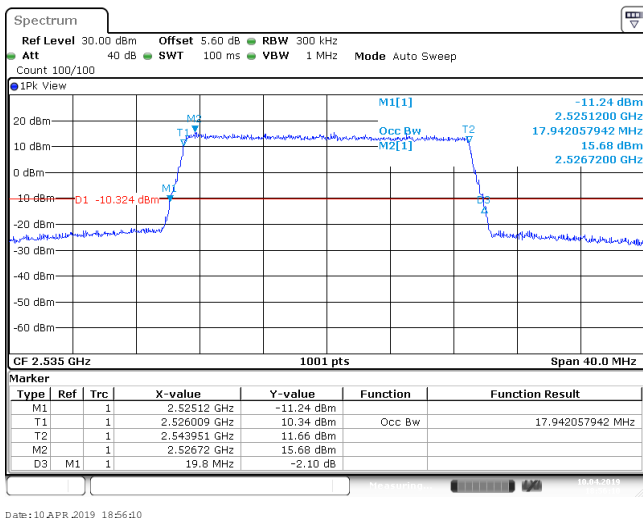


Date: 10 APR 2019 18:55:08

Band7_20MHz_QPSK_21100_100RB#0

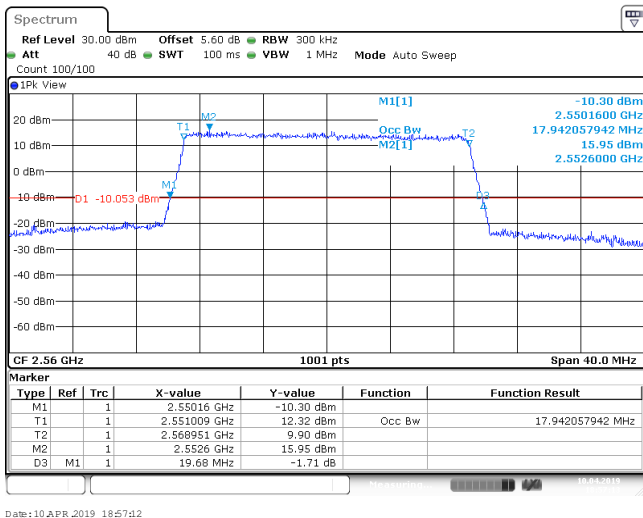


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:56:10

Band7_20MHz_QPSK_21350_100RB#0

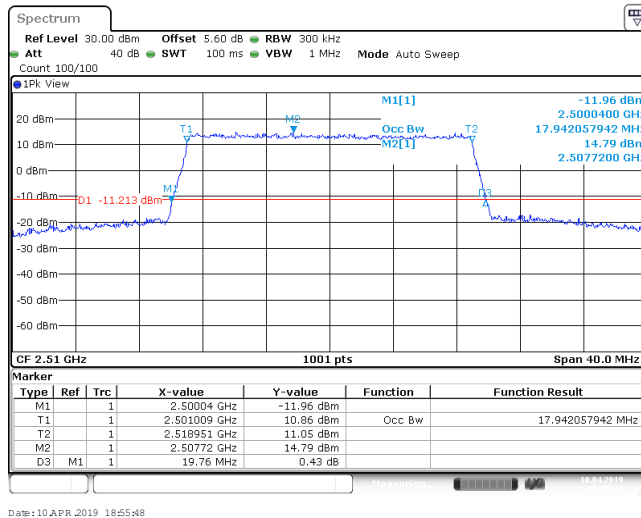


Date: 10 APR 2019 18:57:12

Band7_20MHz_64QAM_20850_100RB#0

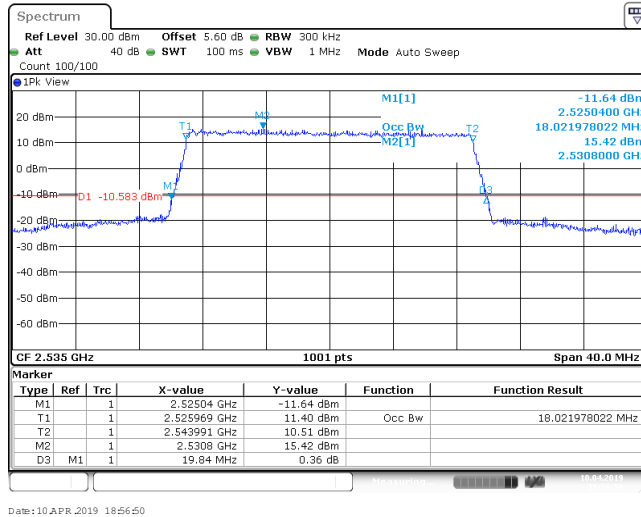


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:55:48

Band7_20MHz_64QAM_21100_100RB#0

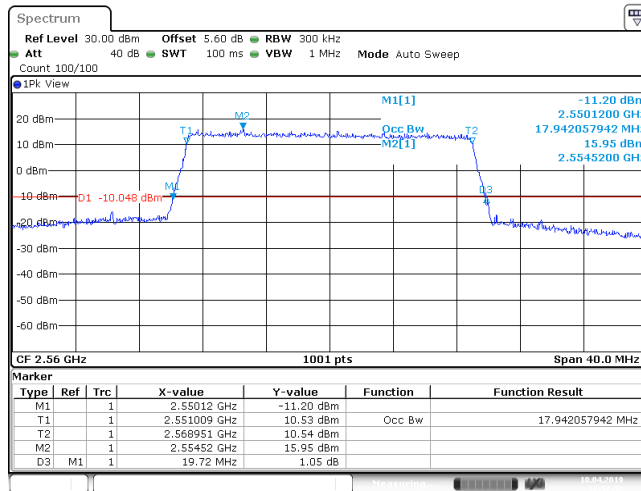


Date: 10 APR 2019 18:56:50

Band7_20MHz_64QAM_21350_100RB#0

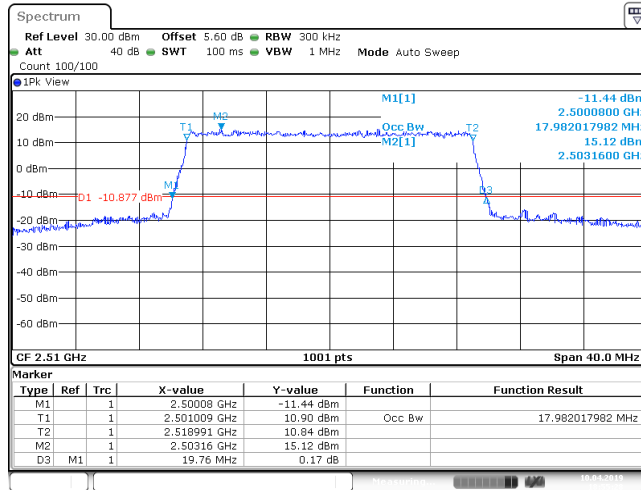


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:57:52

Band7_20MHz_16QAM_20850_100RB#0

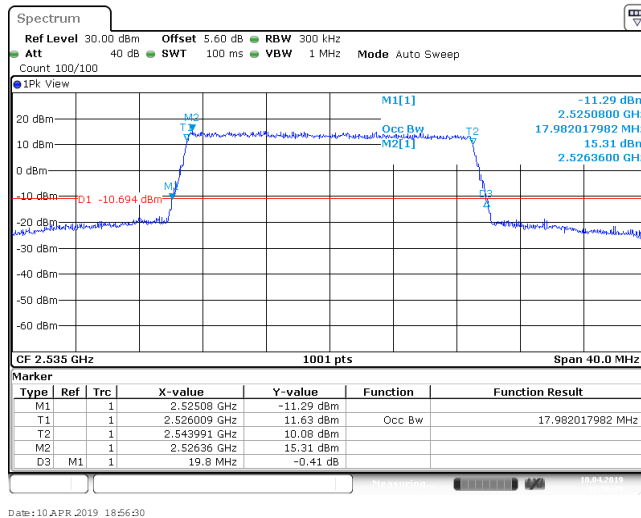


Date: 10 APR 2019 18:55:28

Band7_20MHz_16QAM_21100_100RB#0

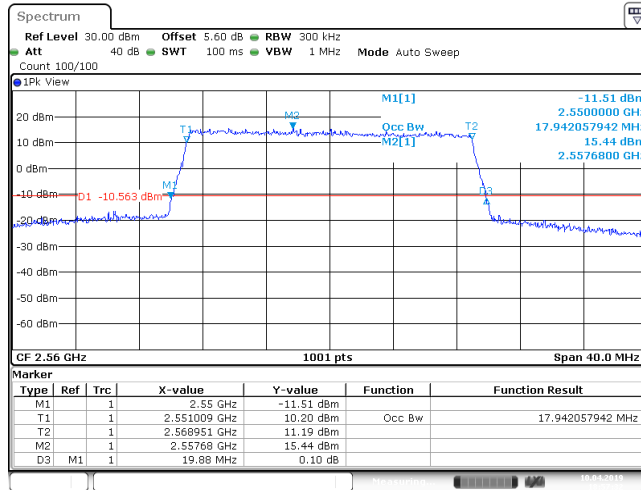


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR 2019 18:56:30

Band7_20MHz_16QAM_21350_100RB#0



Date: 10 APR 2019 18:57:52

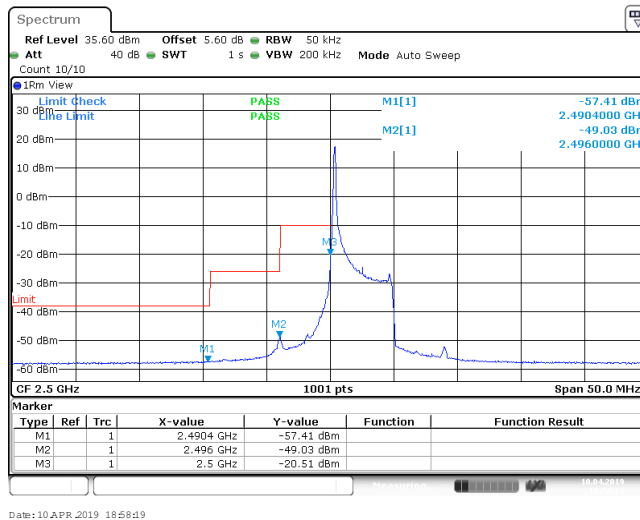


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

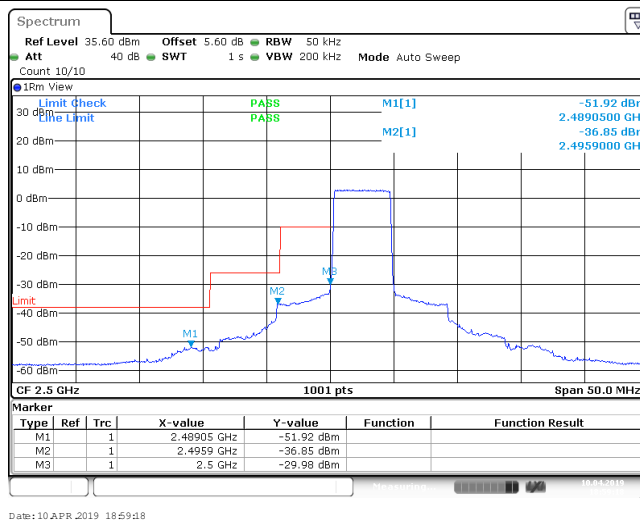
5. Band Edge Compliance

5.1. Test Plots

Band7_5MHz_QPSK_20775_1RB#0



Band7_5MHz_QPSK_20775_25RB#0



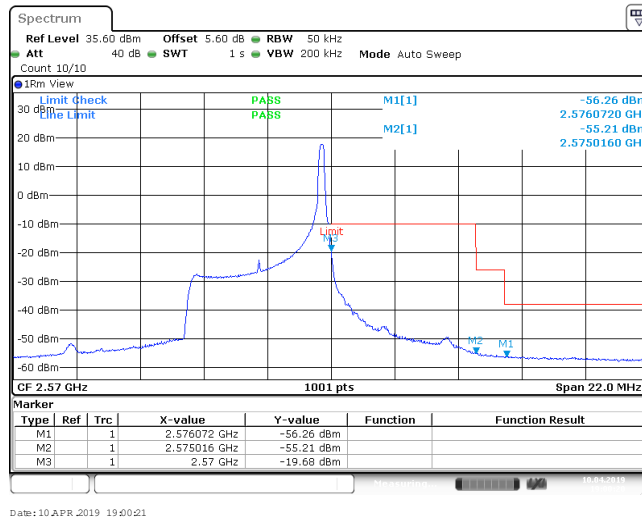
Band7_5MHz_QPSK_21425_1RB#24



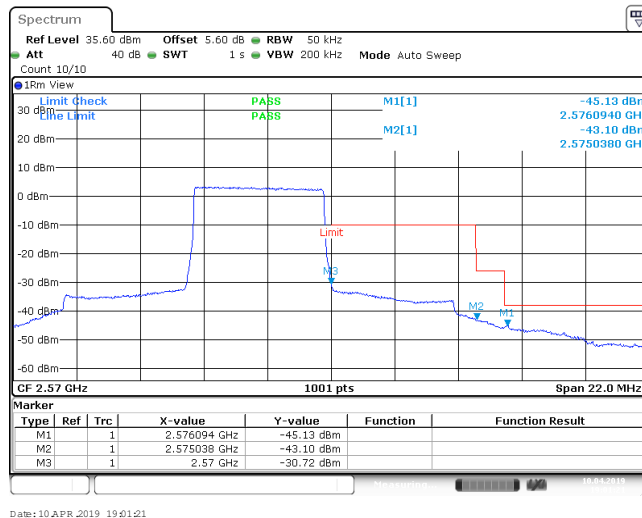
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



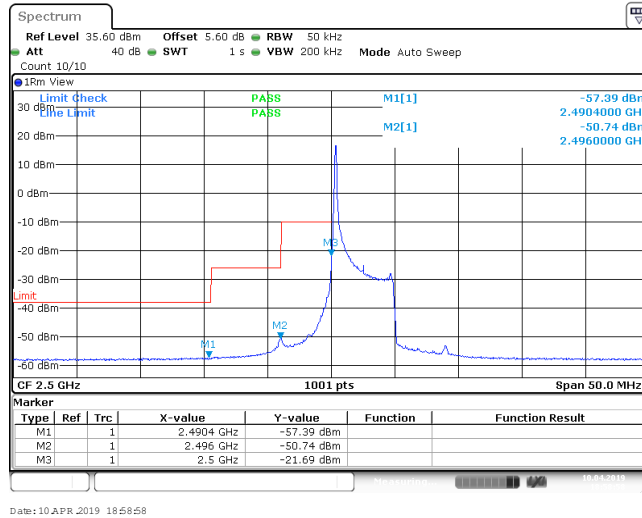
Band7_5MHz_QPSK_21425_25RB#0



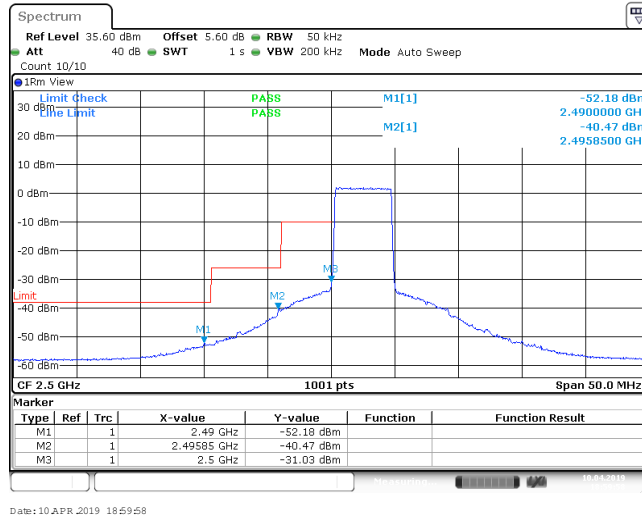
Band7_5MHz_64QAM_20775_1RB#0



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.



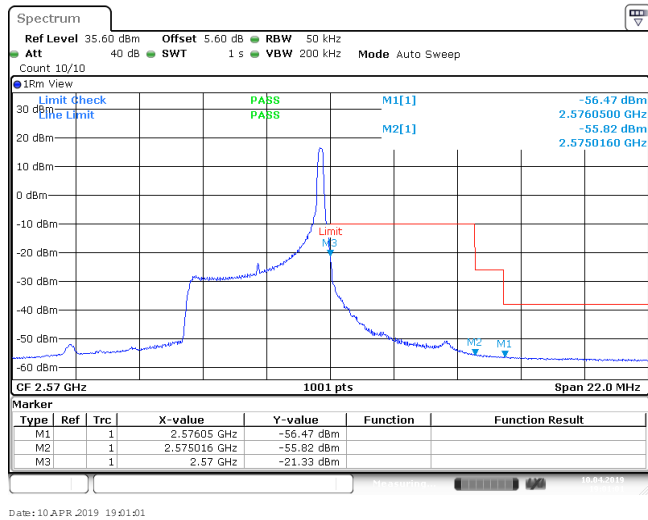
Band7_5MHz_64QAM_20775_25RB#0



Band7_5MHz_64QAM_21425_1RB#24

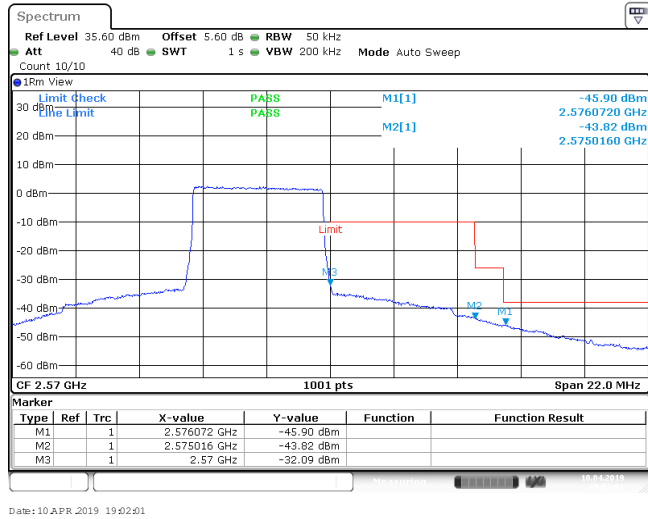


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:01:01

Band7_5MHz_64QAM_21425_25RB#0

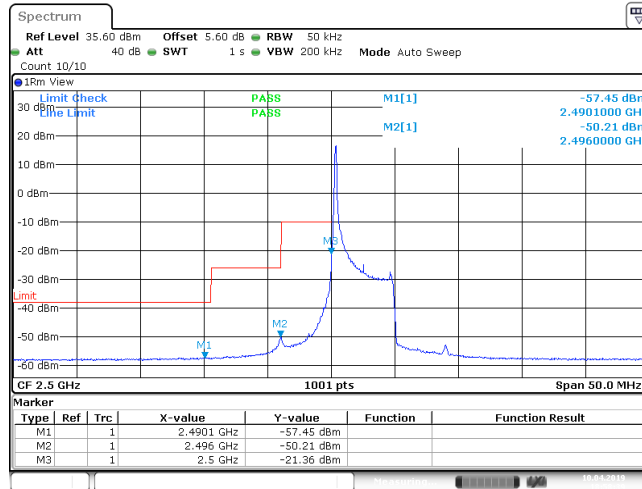


Date: 10 APR.2019 19:02:01

Band7_5MHz_16QAM_20775_1RB#0

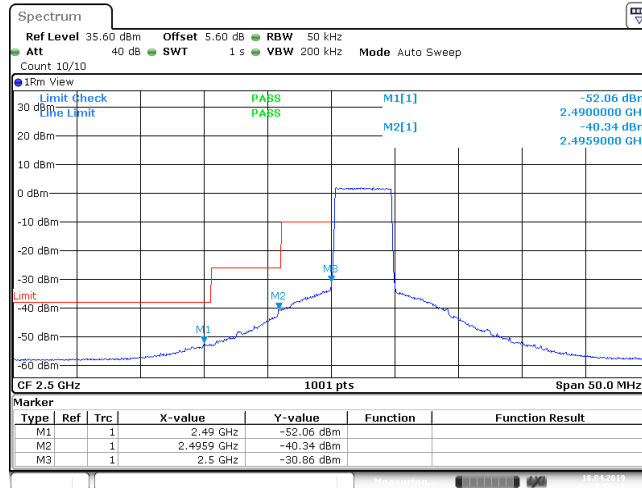


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 18:58:39

Band7_5MHz_16QAM_20775_25RB#0

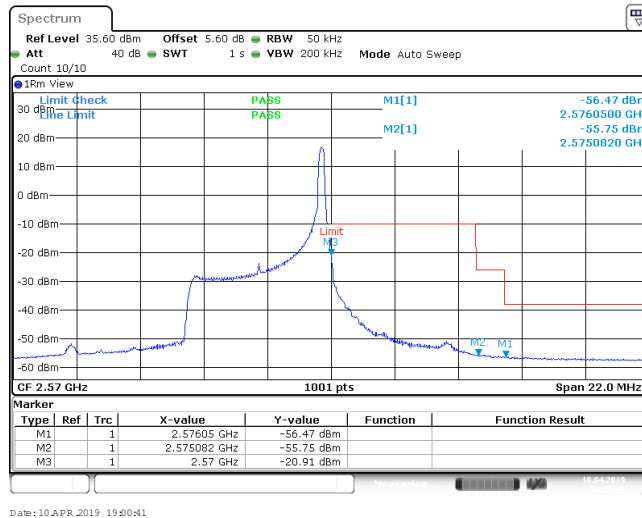


Date: 10.APR.2019 18:59:38

Band7_5MHz_16QAM_21425_1RB#24

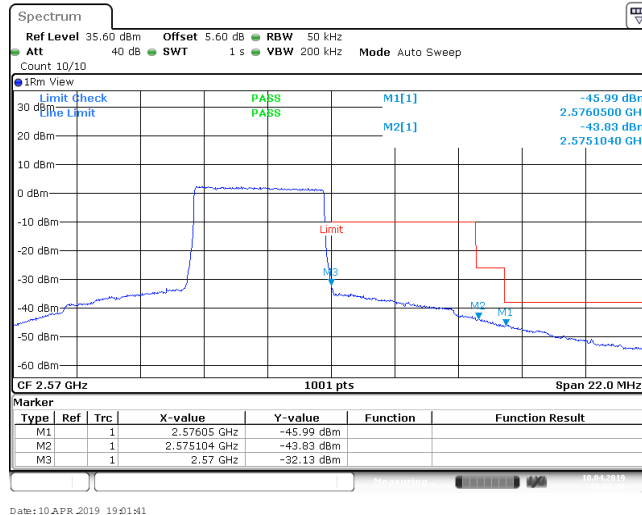


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:01:41

Band7_5MHz_16QAM_21425_25RB#0

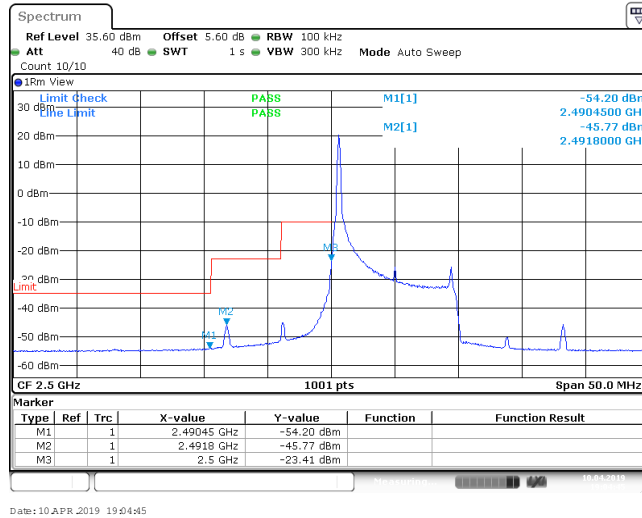


Date: 10 APR.2019 19:01:41

Band7_10MHz_QPSK_20800_1RB#0

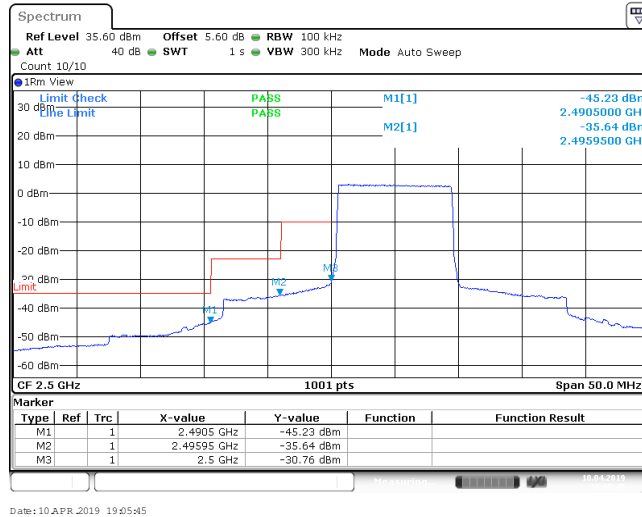


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:04:45

Band7_10MHz_QPSK_20800_50RB#0



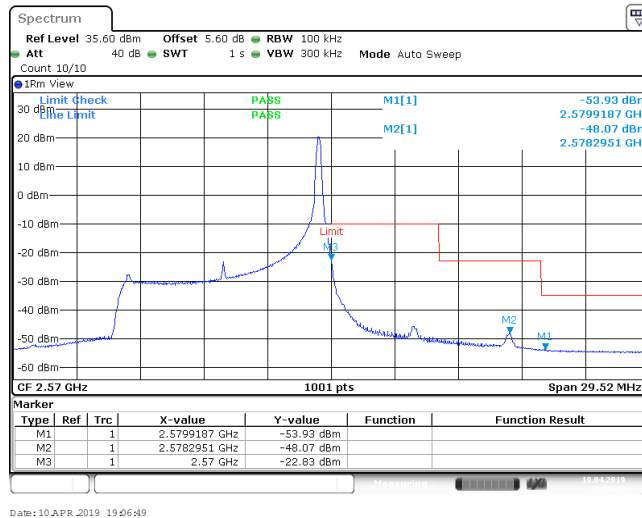
Date: 10 APR.2019 19:05:45

Band7_10MHz_QPSK_21400_1RB#49



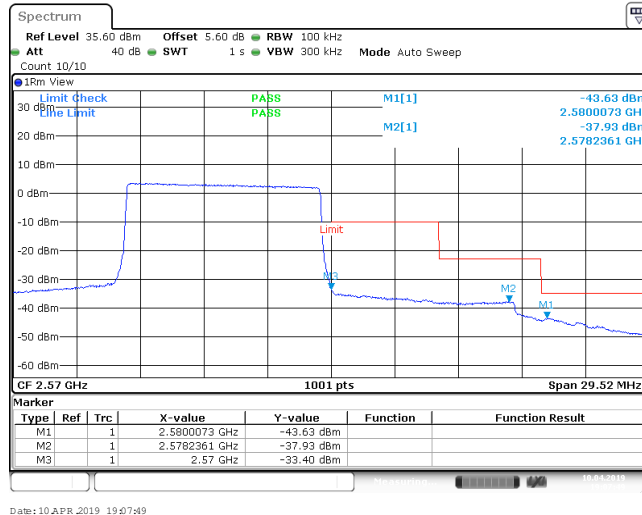
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 19:06:49

Band7_10MHz_QPSK_21400_50RB#0

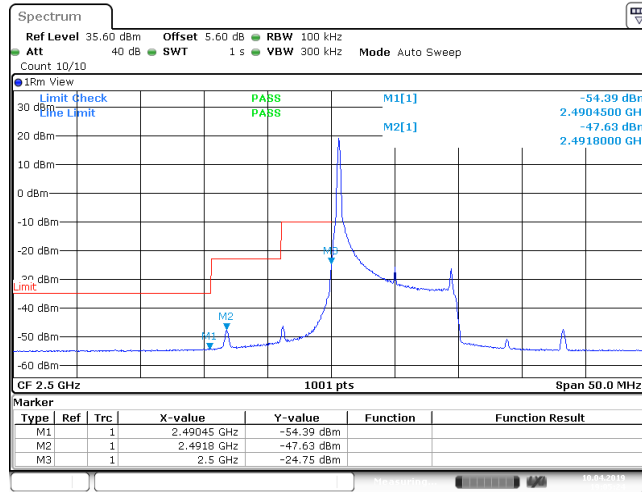


Date: 10.APR.2019 19:07:49

Band7_10MHz_64QAM_20800_1RB#0

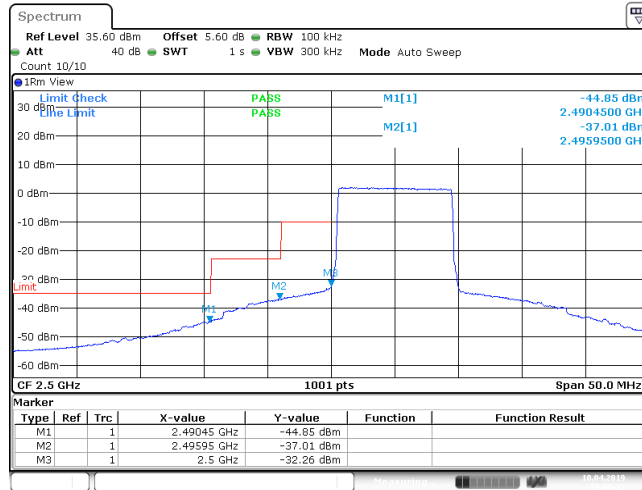


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:05:25

Band7_10MHz_64QAM_20800_50RB#0



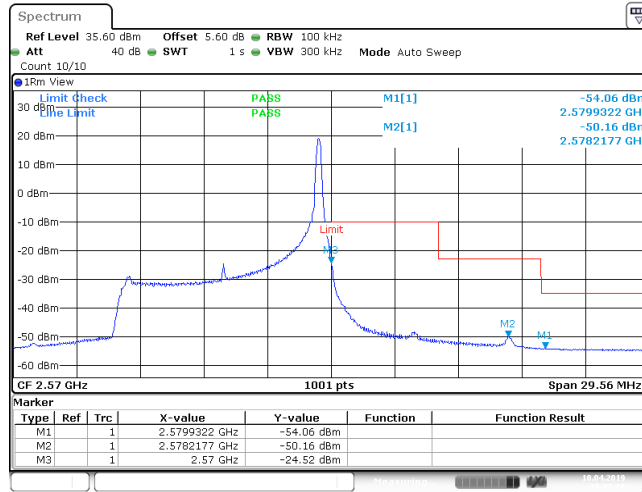
Date: 10 APR.2019 19:06:25

Band7_10MHz_64QAM_21400_1RB#49



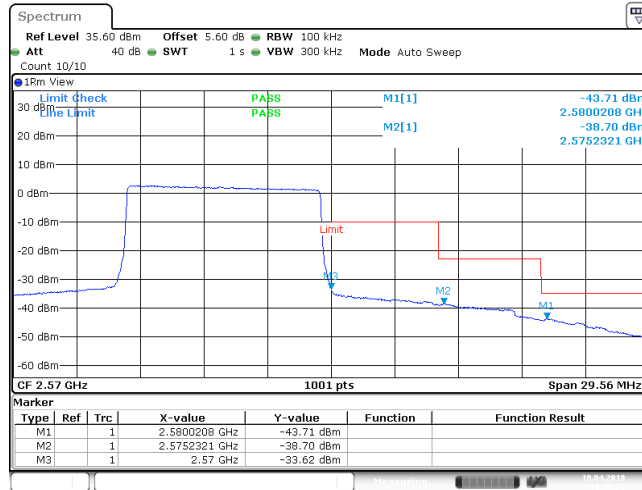
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 19:07:29

Band7_10MHz_64QAM_21400_50RB#0

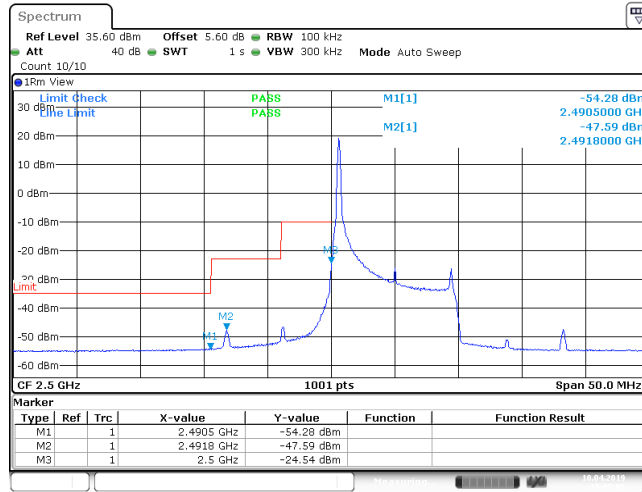


Date: 10.APR.2019 19:08:00

Band7_10MHz_16QAM_20800_1RB#0

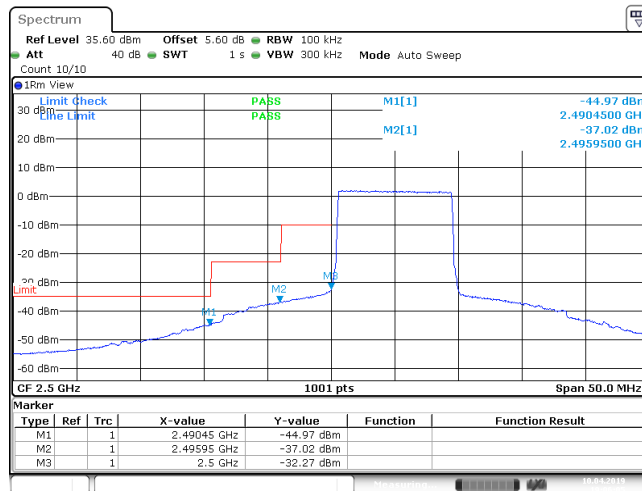


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 19:05:05

Band7_10MHz_16QAM_20800_50RB#0



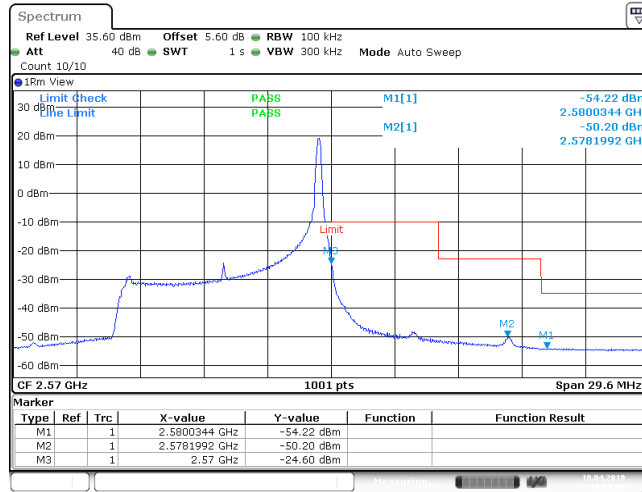
Date: 10.APR.2019 19:06:05

Band7_10MHz_16QAM_21400_1RB#49



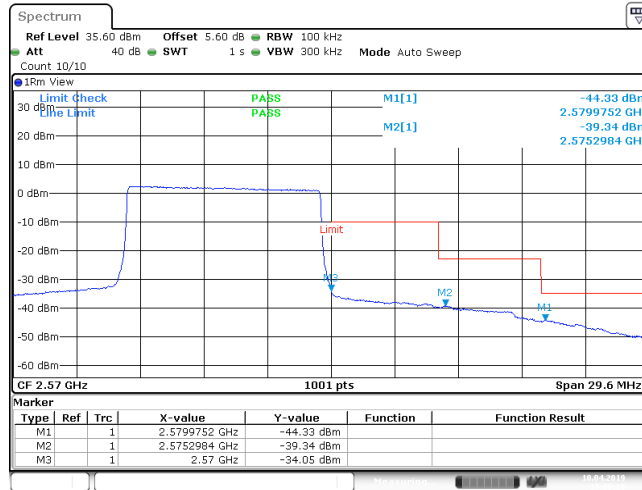
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 19:07:29

Band7_10MHz_16QAM_21400_50RB#0

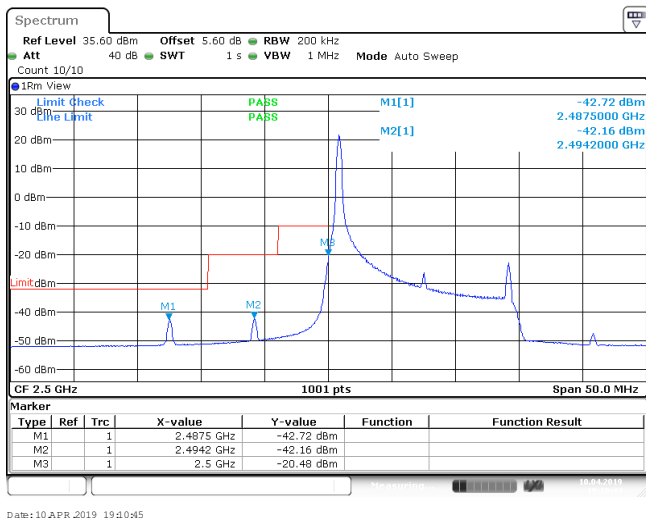


Date: 10.APR.2019 19:08:10

Band7_15MHz_QPSK_20825_1RB#0

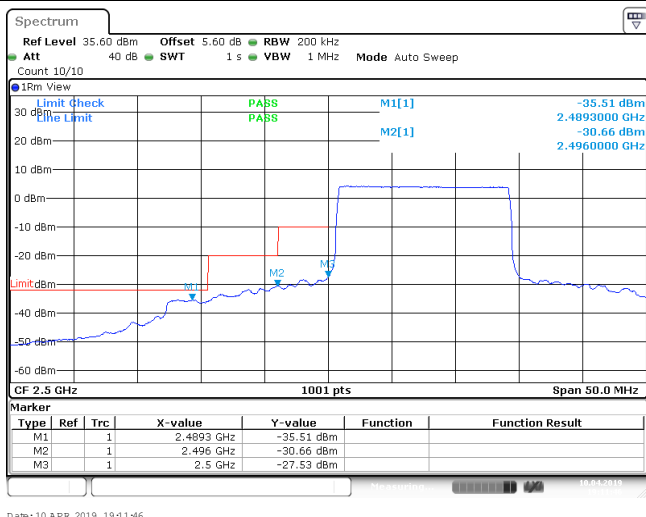


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:40:45

Band7_15MHz_QPSK_20825_75RB#0

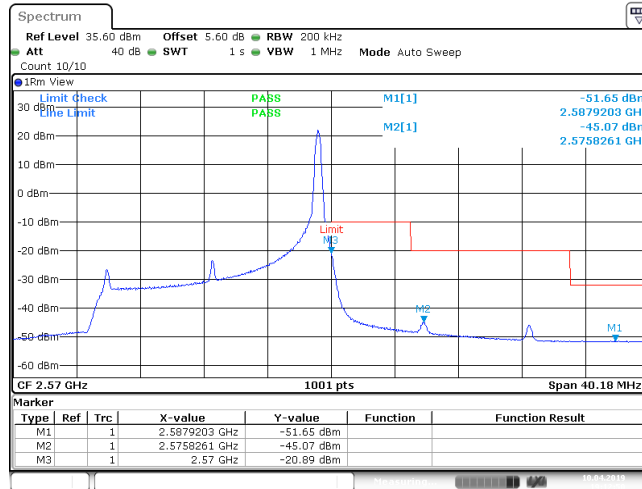


Date: 10 APR.2019 19:41:46

Band7_15MHz_QPSK_21375_1RB#74

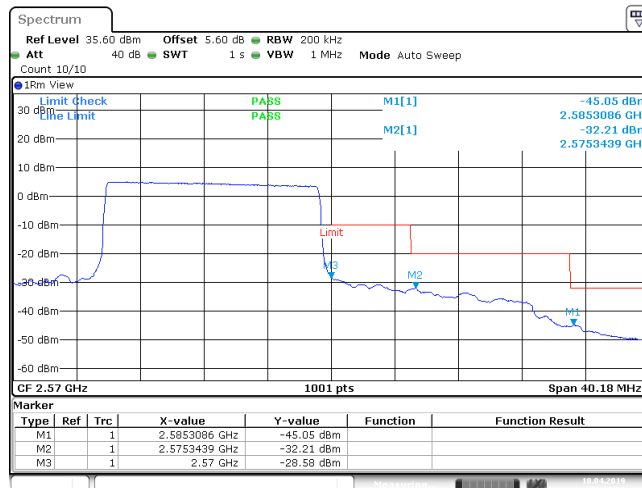


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:42:50

Band7_15MHz_QPSK_21375_75RB#0

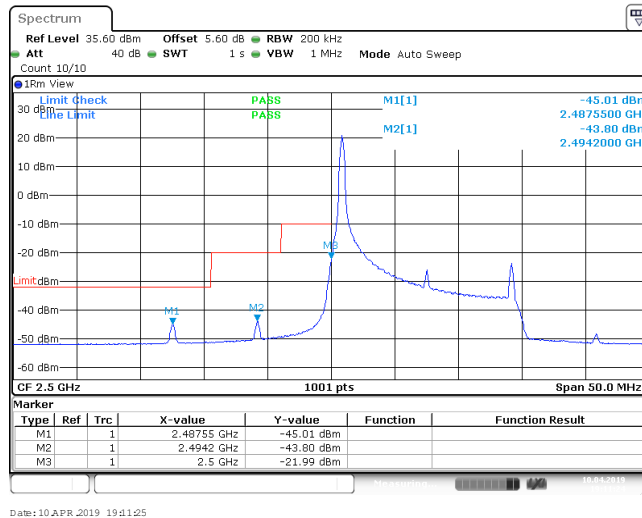


Date: 10 APR.2019 19:43:52

Band7_15MHz_64QAM_20825_1RB#0

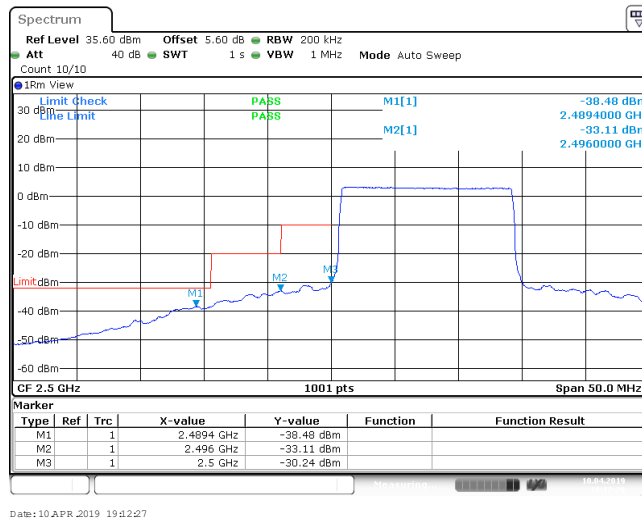


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:41:25

Band7_15MHz_64QAM_20825_75RB#0

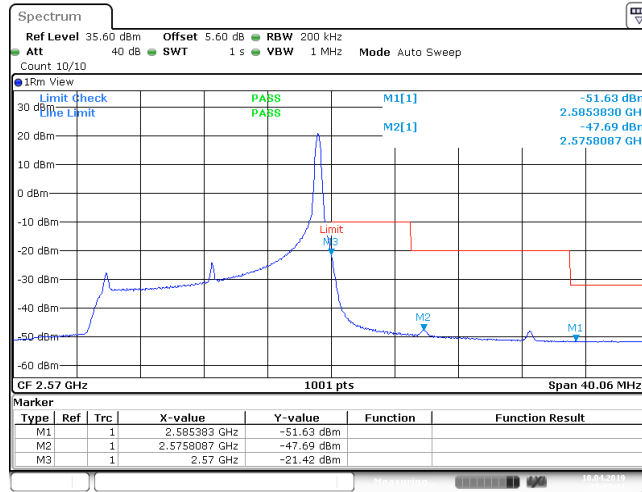


Date: 10 APR.2019 19:42:27

Band7_15MHz_64QAM_21375_1RB#74

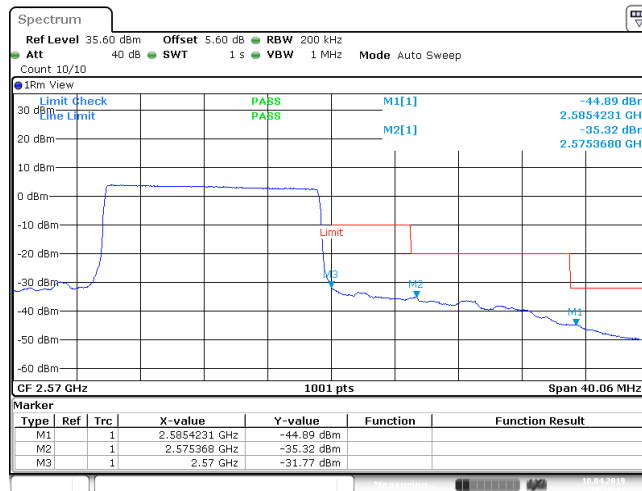


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:43:31

Band7_15MHz_64QAM_21375_75RB#0

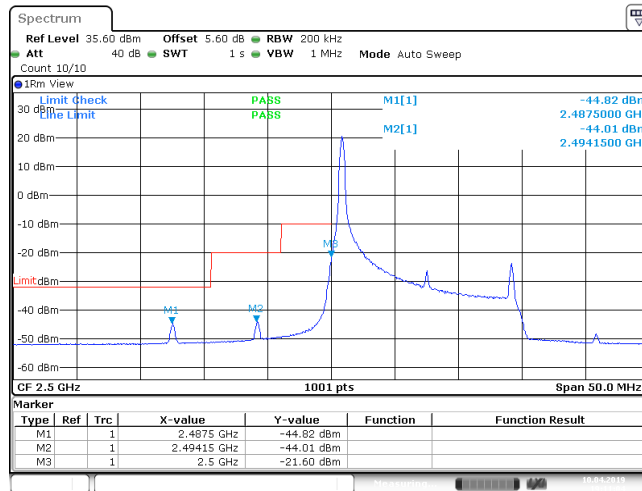


Date: 10 APR.2019 19:44:33

Band7_15MHz_16QAM_20825_1RB#0

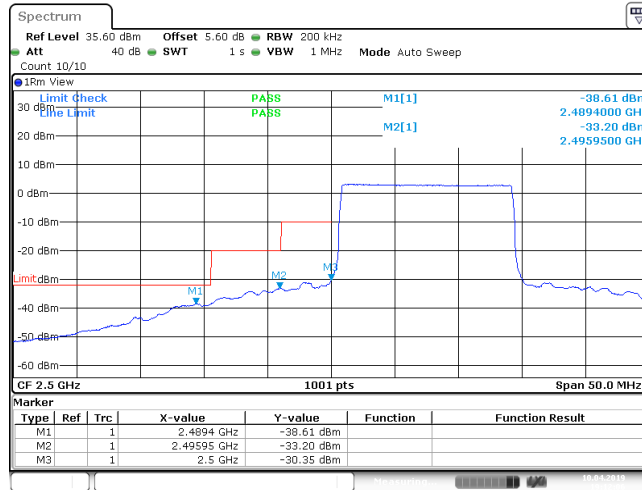


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:41:05

Band7_15MHz_16QAM_20825_75RB#0

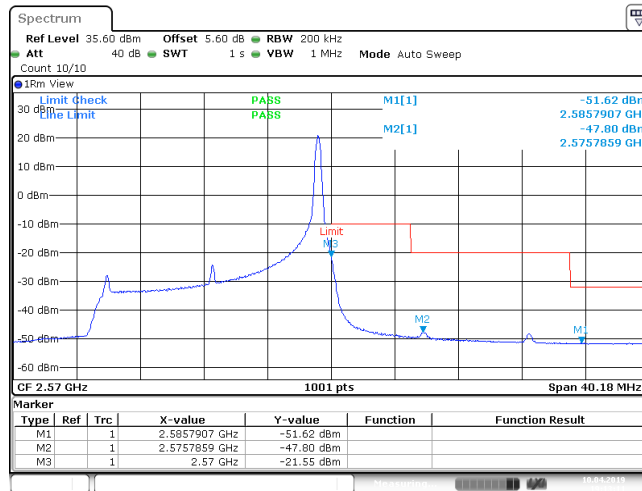


Date: 10 APR.2019 19:42:06

Band7_15MHz_16QAM_21375_1RB#74

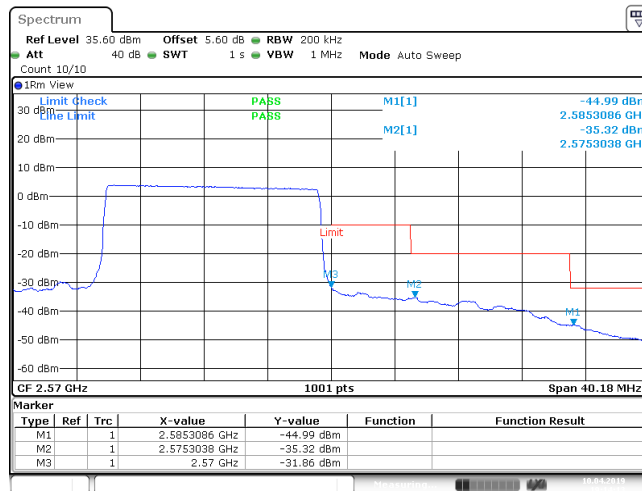


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:43:11

Band7_15MHz_16QAM_21375_75RB#0

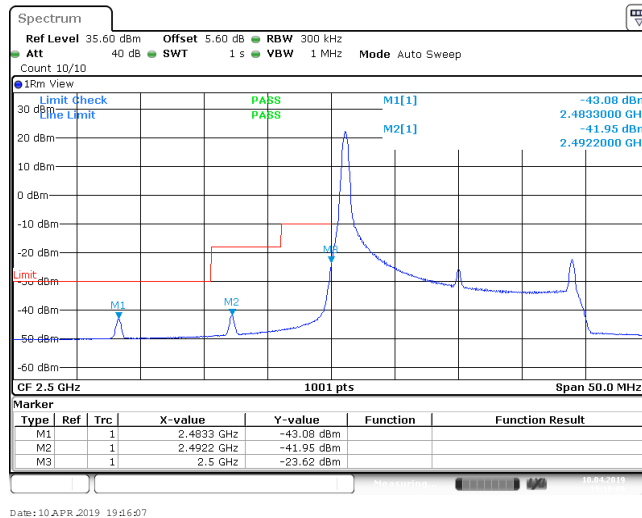


Date: 10 APR.2019 19:44:13

Band7_20MHz_QPSK_20850_1RB#0

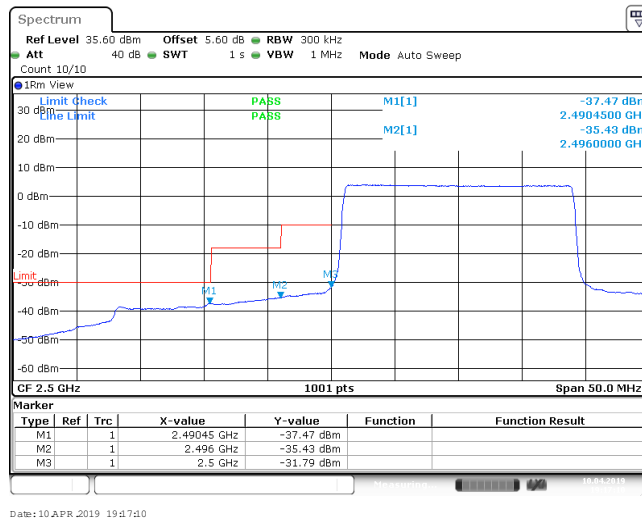


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 19:46:27

Band7_20MHz_QPSK_20850_100RB#0

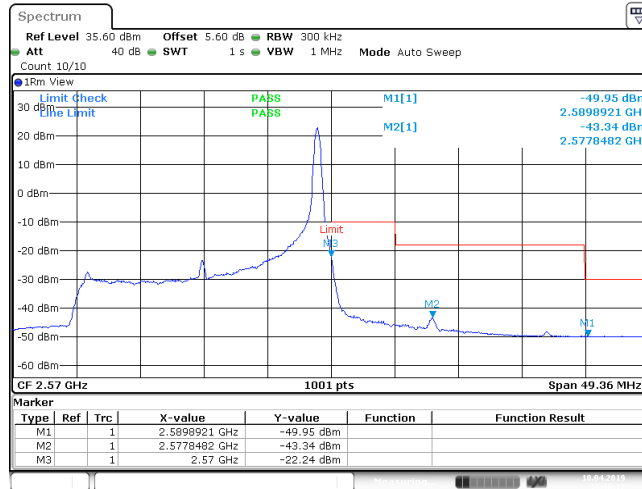


Date: 10.APR.2019 19:47:10

Band7_20MHz_QPSK_21350_1RB#99

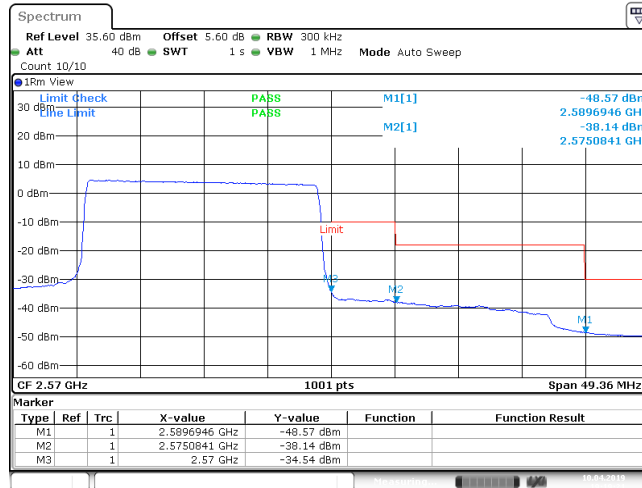


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:48:17

Band7_20MHz_QPSK_21350_100RB#0

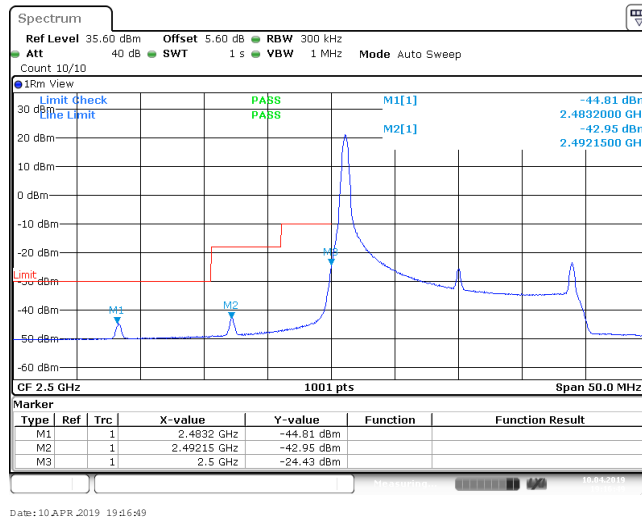


Date: 10 APR.2019 19:49:21

Band7_20MHz_64QAM_20850_1RB#0

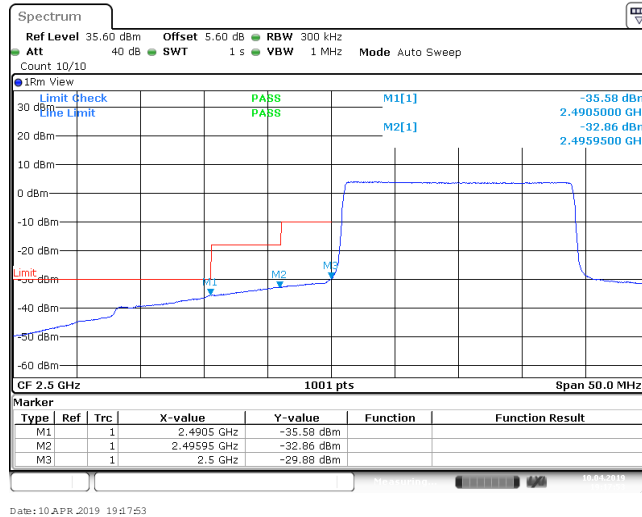
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





Date: 10 APR.2019 19:46:49

Band7_20MHz_64QAM_20850_100RB#0

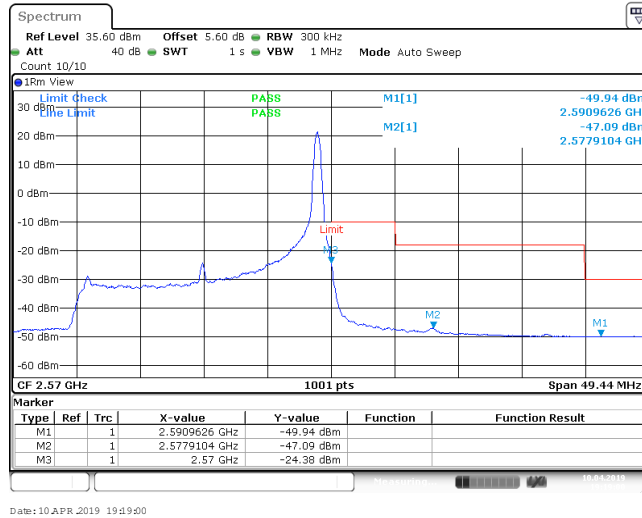


Date: 10 APR.2019 19:47:53

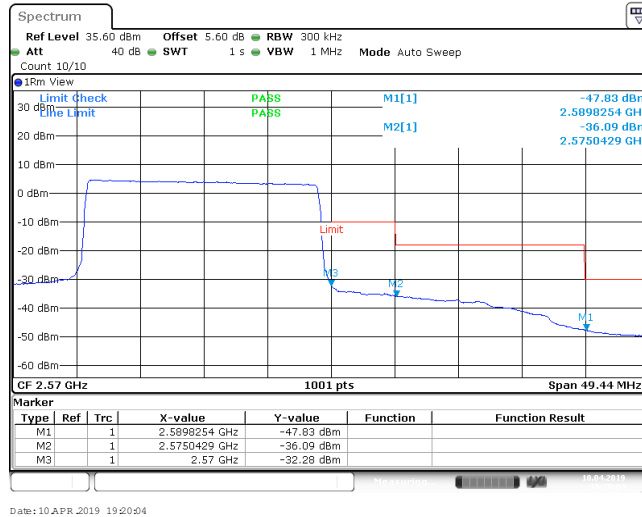
Band7_20MHz_64QAM_21350_1RB#99



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



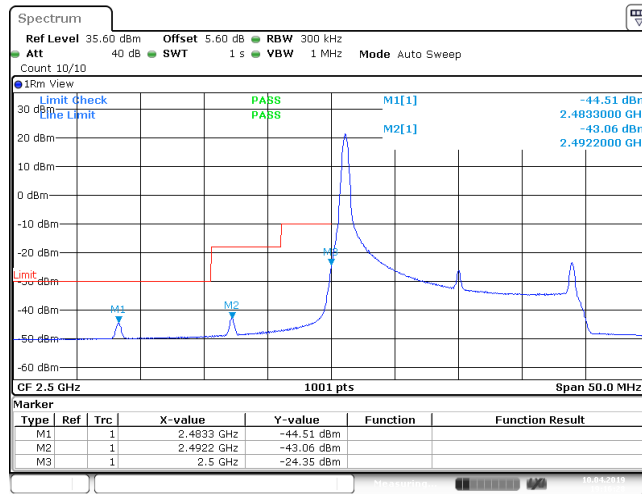
Band7_20MHz_64QAM_21350_100RB#0



Band7_20MHz_16QAM_20850_1RB#0

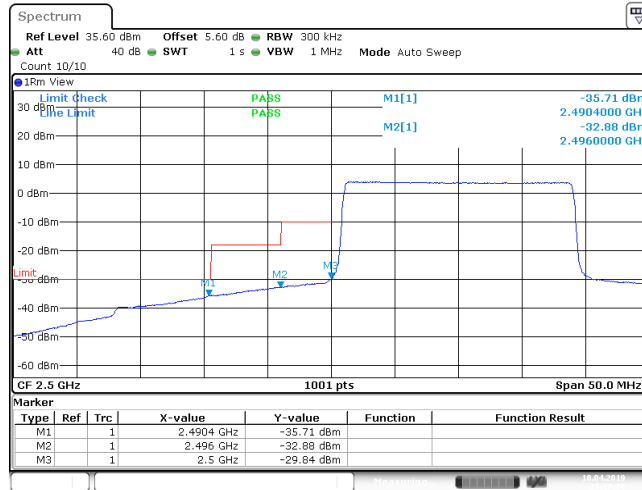


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:46:28

Band7_20MHz_16QAM_20850_100RB#0

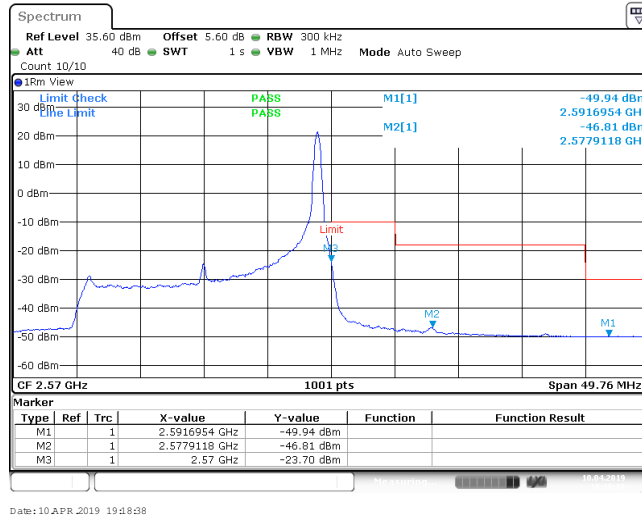


Date: 10 APR.2019 19:47:31

Band7_20MHz_16QAM_21350_1RB#99

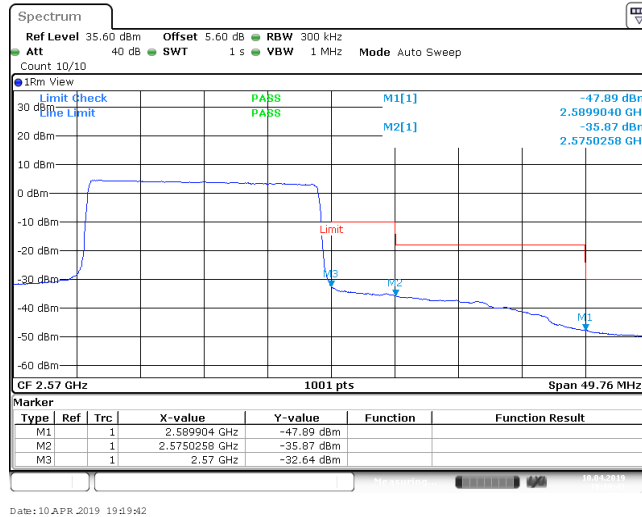


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10.APR.2019 19:48:38

Band7_20MHz_16QAM_21350_100RB#0



Date: 10.APR.2019 19:49:42



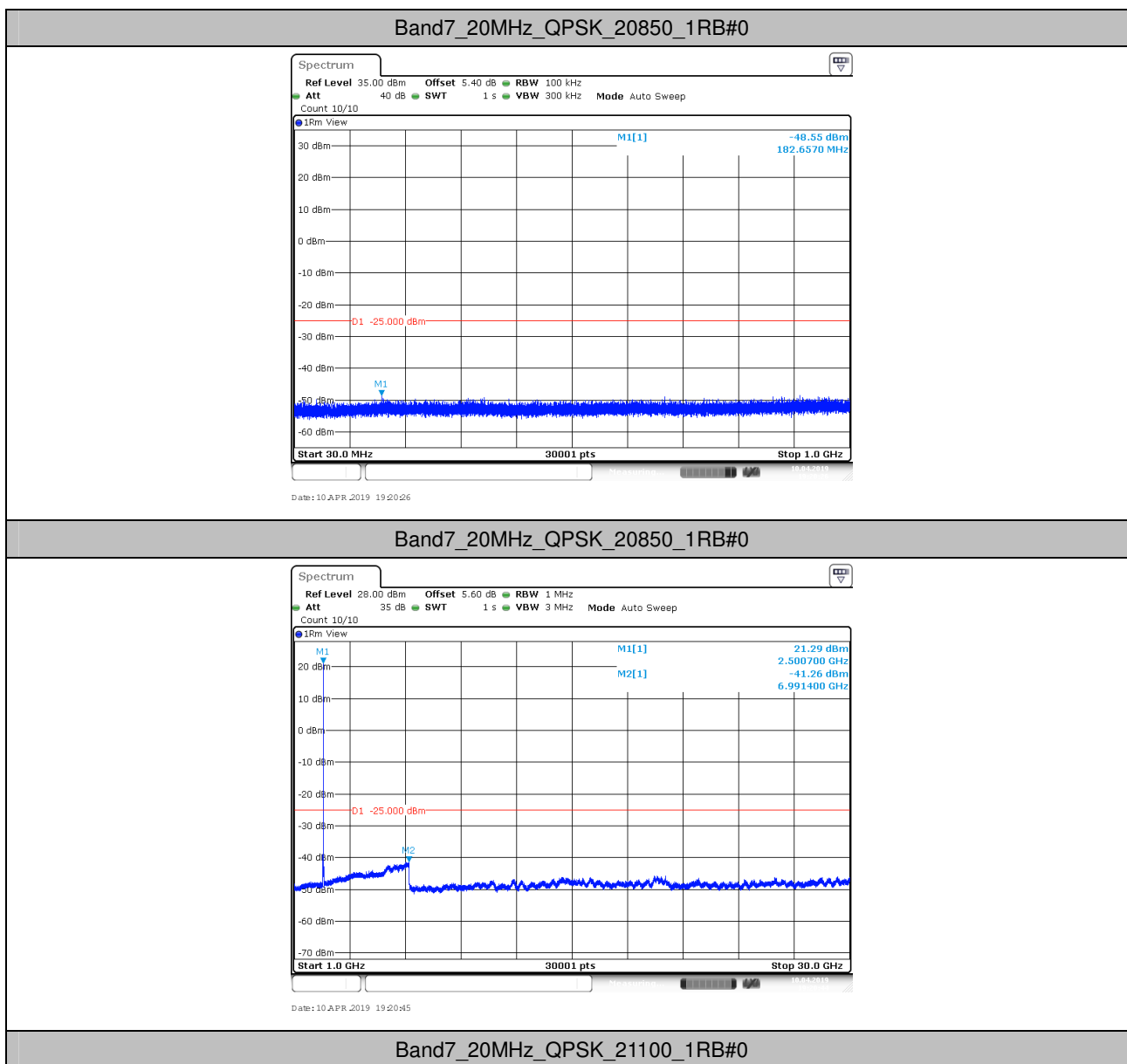
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

6. Spurious Emission at Antenna Terminal

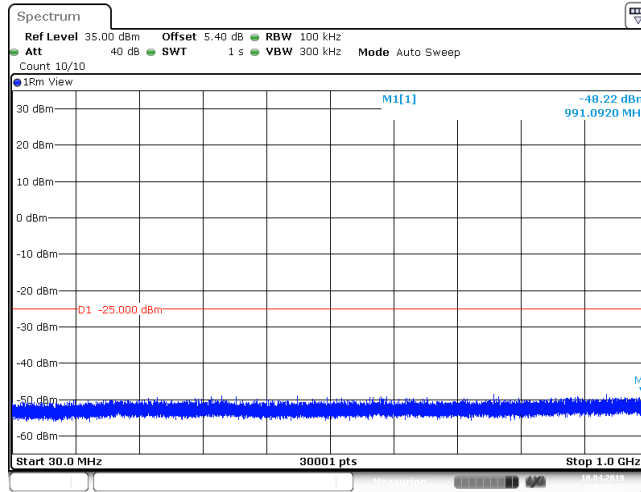
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1. Test Plots

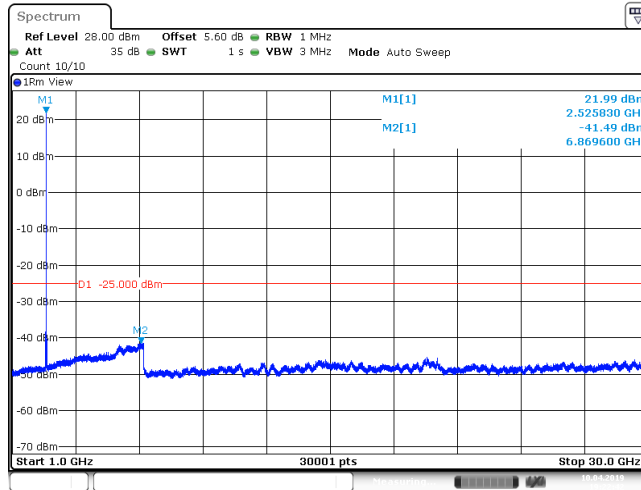


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:22:23

Band7_20MHz_QPSK_21100_1RB#0



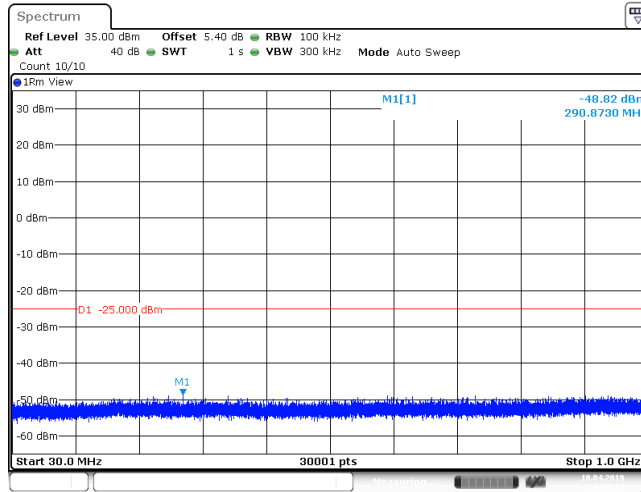
Date: 10 APR.2019 19:22:42

Band7_20MHz_QPSK_21350_1RB#0



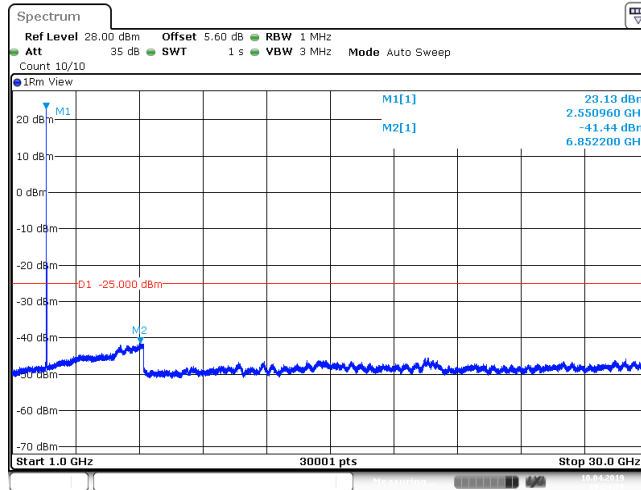
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:24:19

Band7_20MHz_QPSK_21350_1RB#0

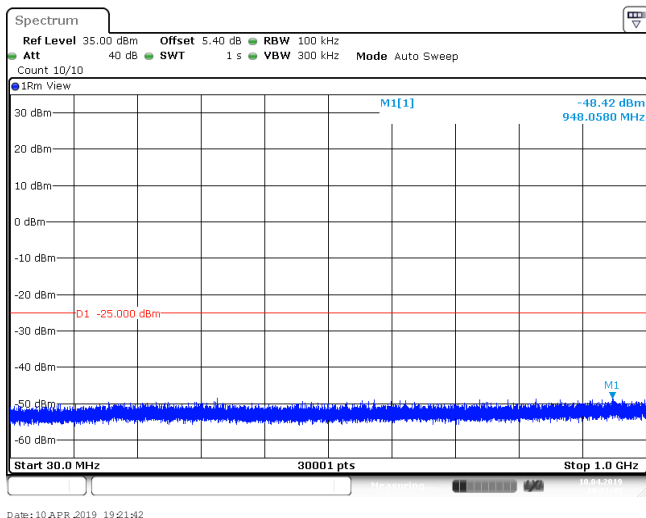


Date: 10 APR.2019 19:24:08

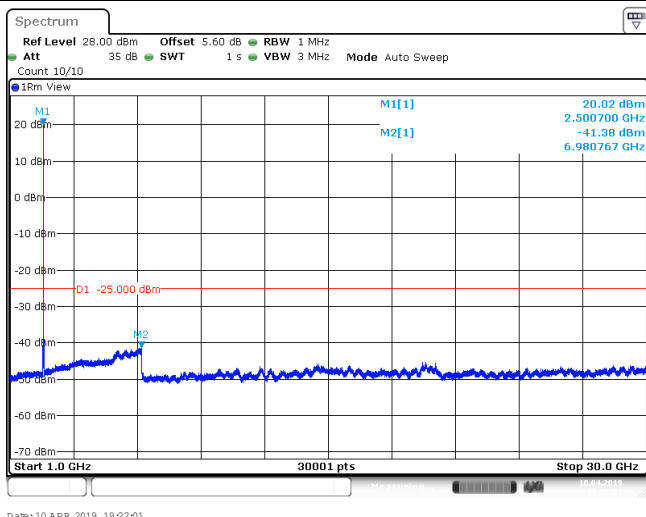
Band7_20MHz_64QAM_20850_1RB#0



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



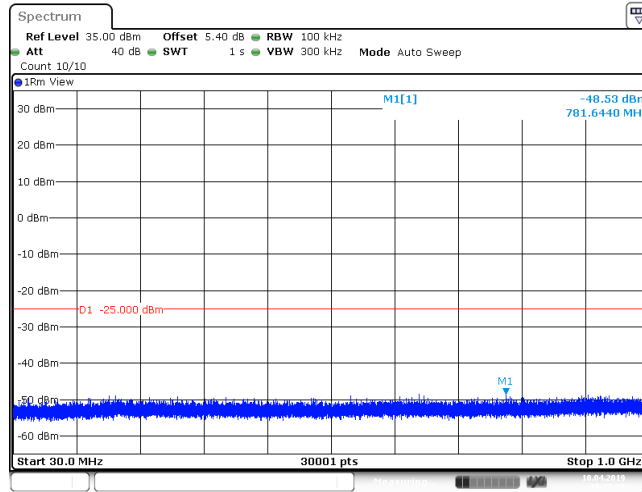
Band7_20MHz_64QAM_20850_1RB#0



Band7_20MHz_64QAM_21100_1RB#0

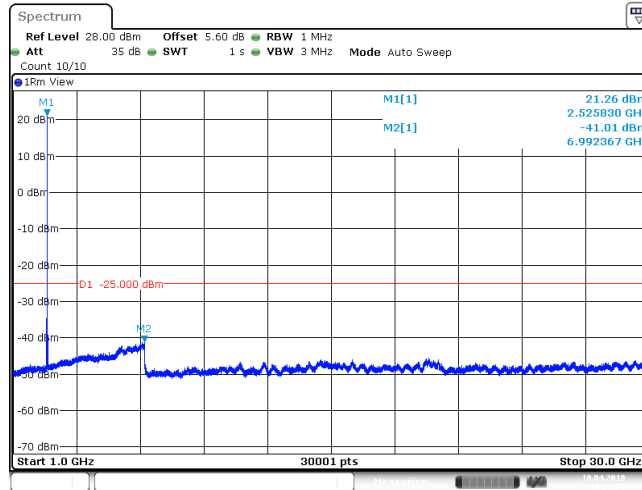


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:23:39

Band7_20MHz_64QAM_21100_1RB#0

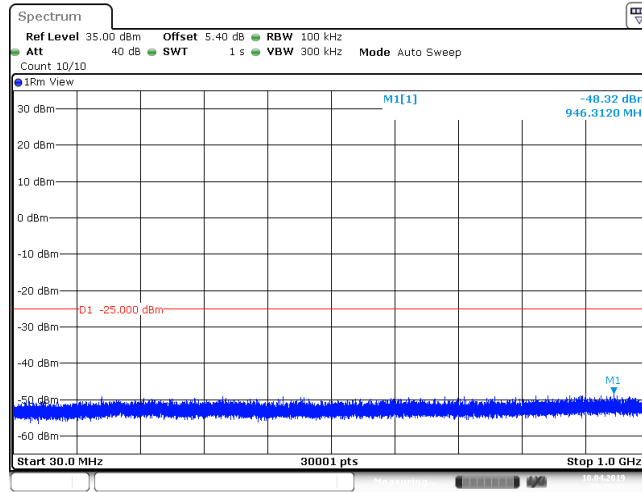


Date: 10 APR.2019 19:23:58

Band7_20MHz_64QAM_21350_1RB#0

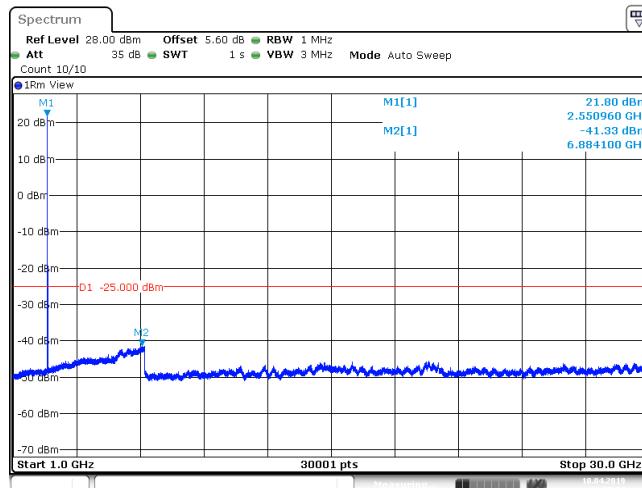


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:25:36

Band7_20MHz_64QAM_21350_1RB#0

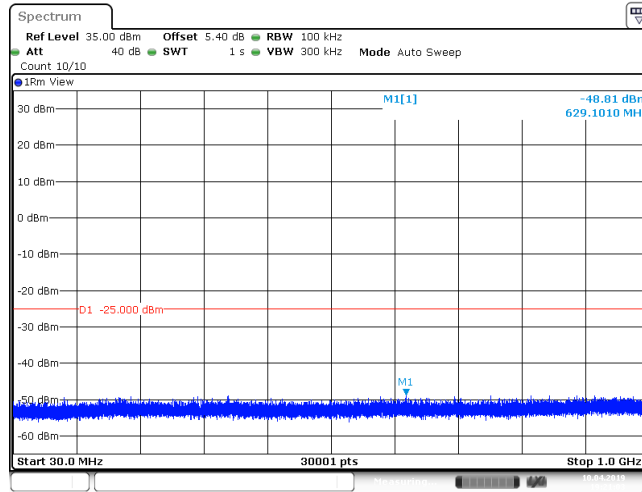


Date: 10 APR.2019 19:25:55

Band7_20MHz_16QAM_20850_1RB#0

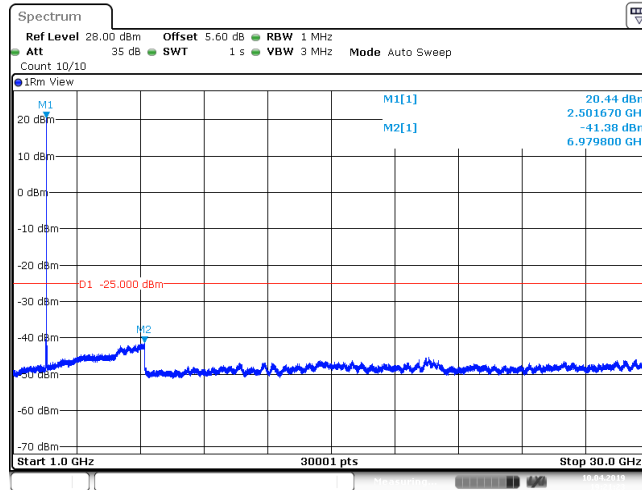


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:21:04

Band7_20MHz_16QAM_20850_1RB#0



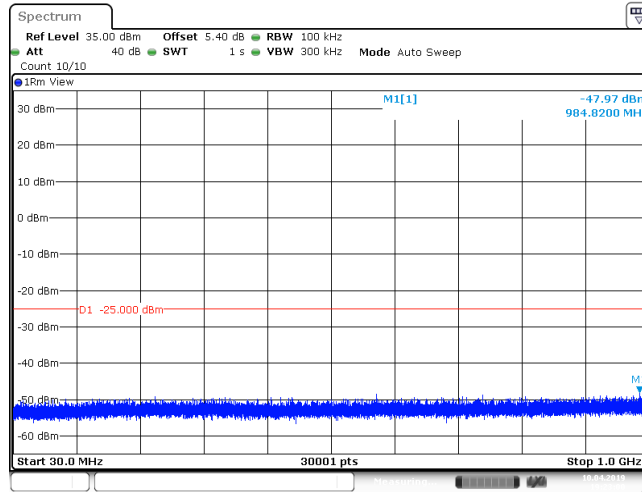
Date: 10 APR.2019 19:21:23

Band7_20MHz_16QAM_21100_1RB#0



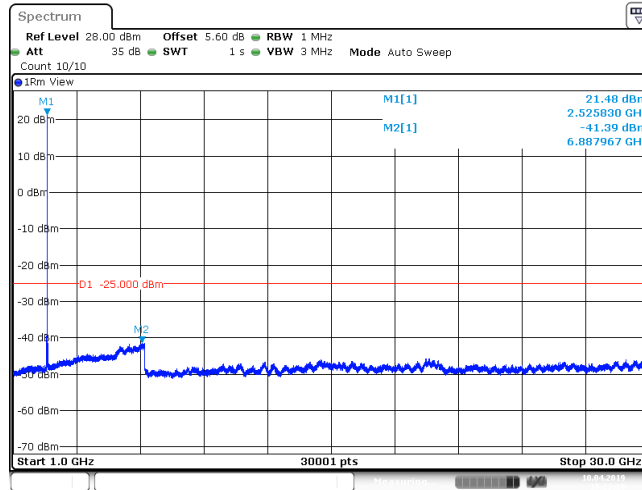
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:23:01

Band7_20MHz_16QAM_21100_1RB#0

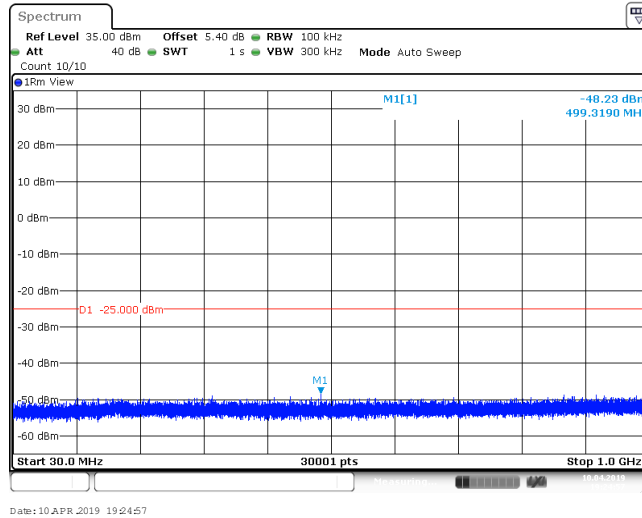


Date: 10 APR.2019 19:23:20

Band7_20MHz_16QAM_21350_1RB#0

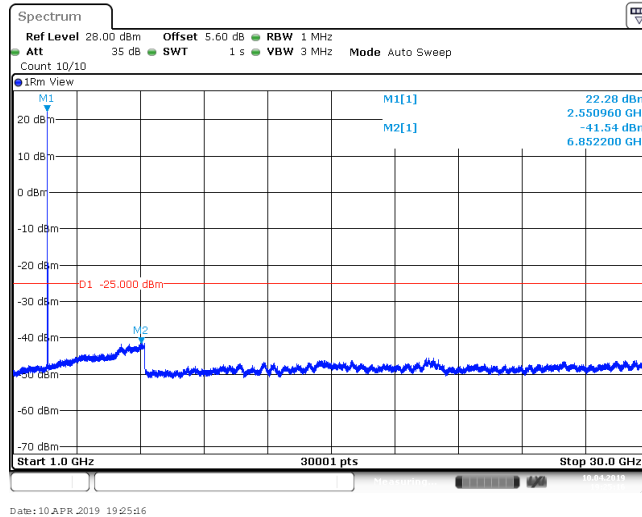


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 10 APR.2019 19:24:57

Band7_20MHz_16QAM_21350_1RB#0



Date: 10 APR.2019 19:25:16

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

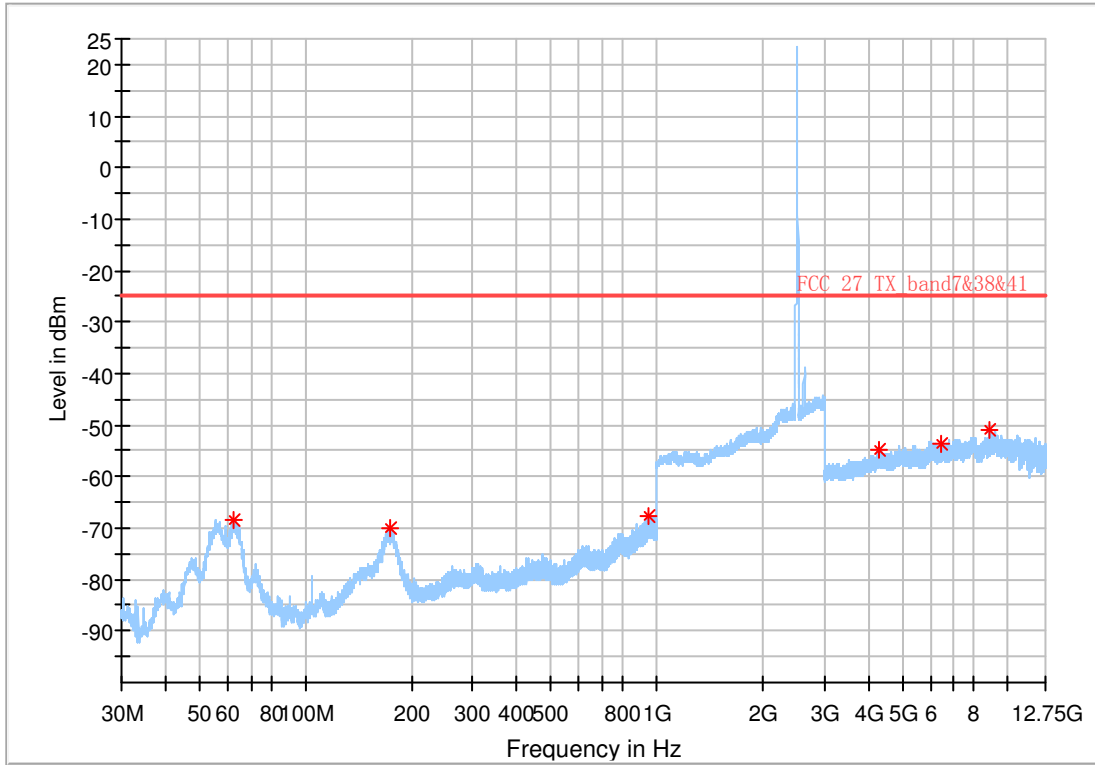
7.1.1.1.1. Test Channel = LCH



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

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

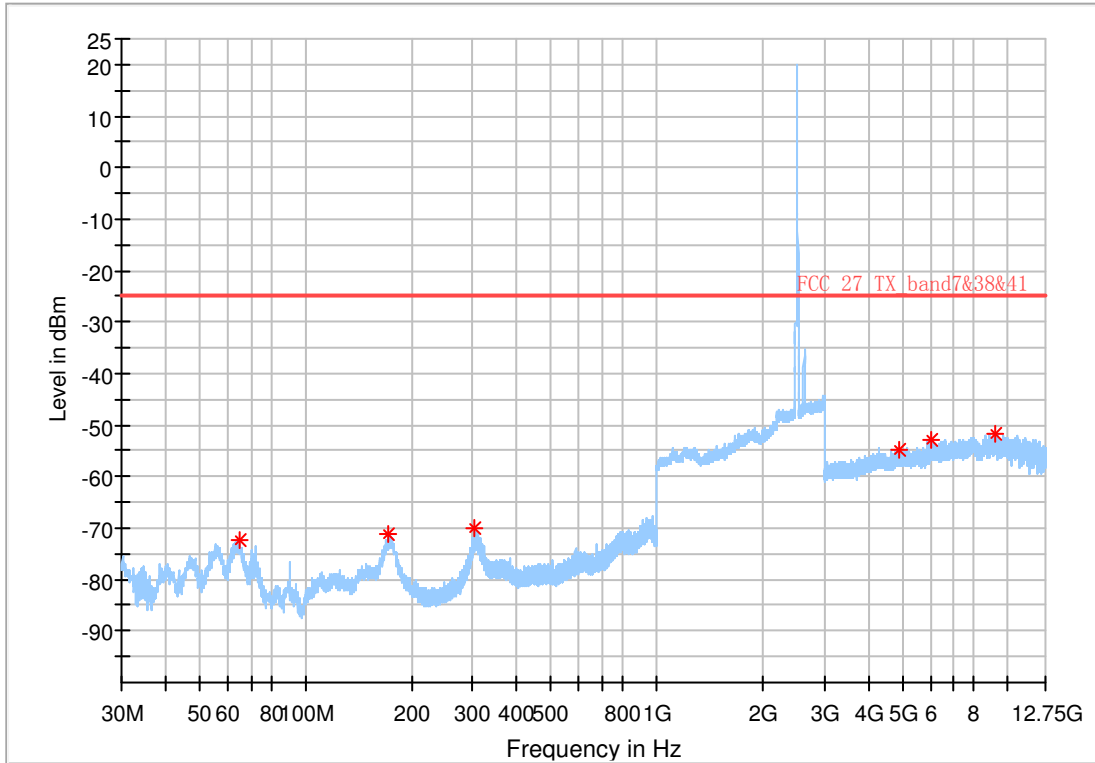


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

7.1.1.1.1.2. 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



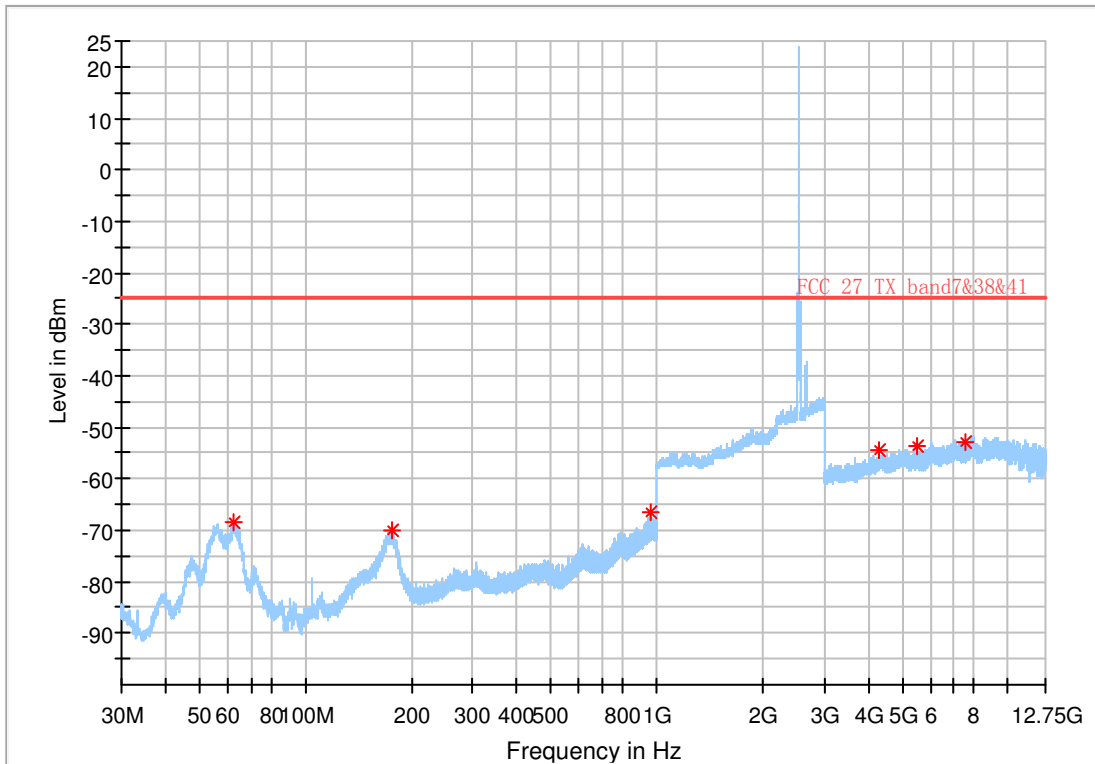
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

7.1.1.1.2. Test Channel = MCH

7.1.1.1.2.1. Horizontal

Full Spectrum



Critical_Freqs

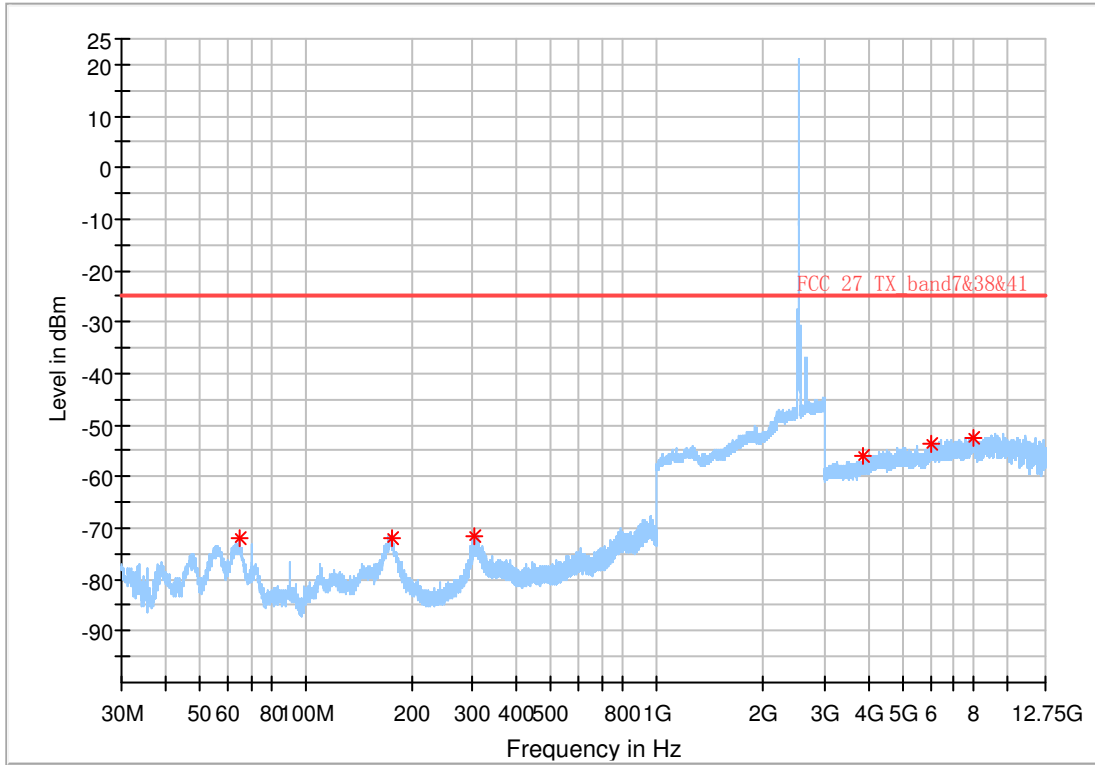
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.400000	-68.63	-25.00	43.63	---	---	200.0	H	81.0	-95.0
176.050000	-70.15	-25.00	45.15	---	---	200.0	H	219.0	-107.2
959.987500	-66.65	-25.00	41.65	---	---	200.0	H	114.0	-91.8
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



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

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



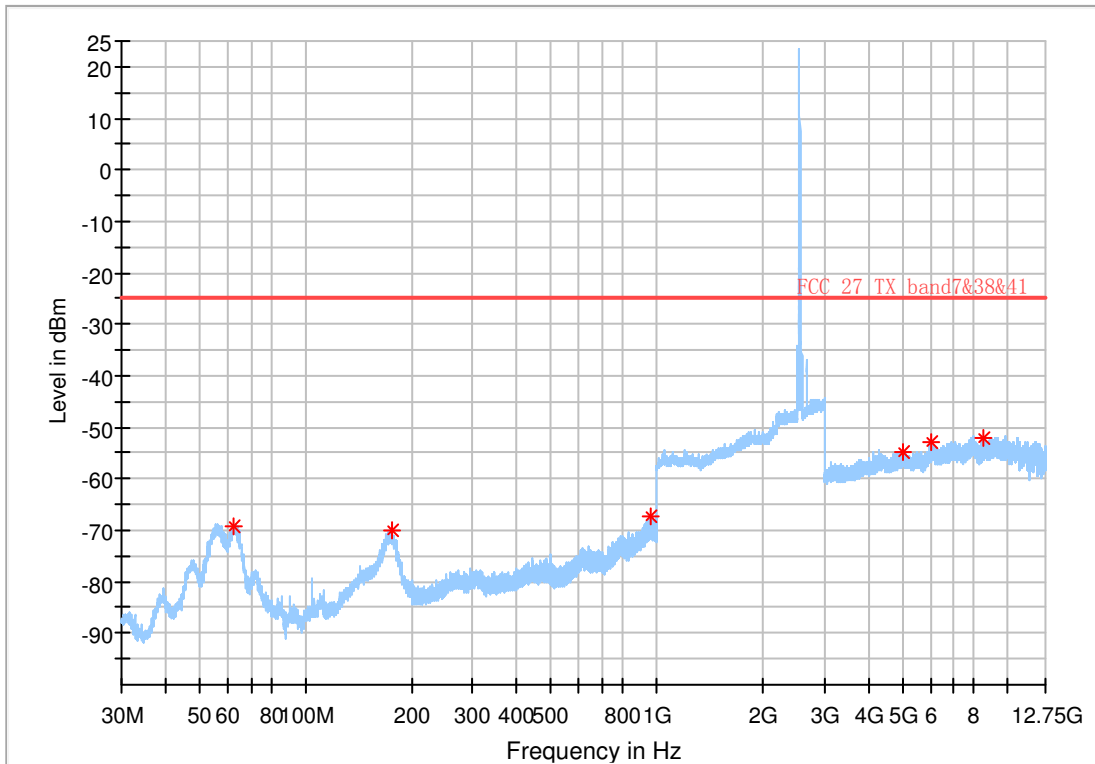
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

7.1.1.1.3. Test Channel = HCH

7.1.1.1.3.1. Horizontal

Full Spectrum



Critical_Freqs

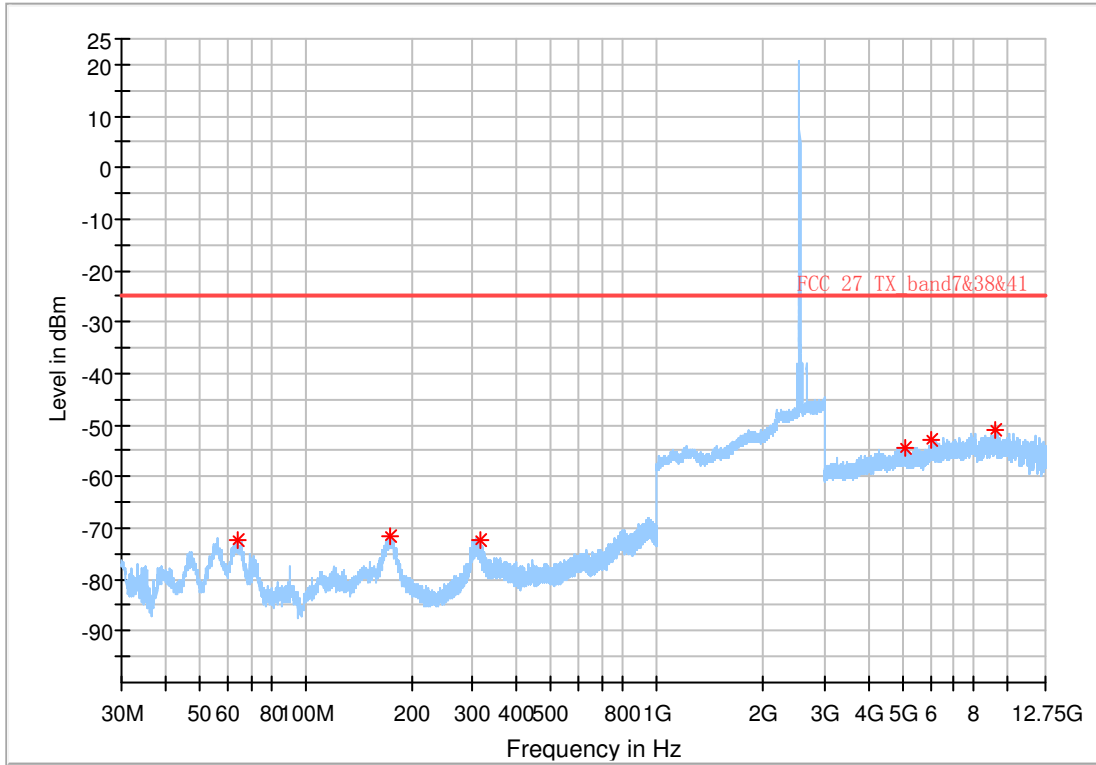
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.600000	-69.08	-25.00	44.08	---	---	200.0	H	33.0	-95.2
176.800000	-70.11	-25.00	45.11	---	---	200.0	H	218.0	-107.2
962.462500	-67.28	-25.00	42.28	---	---	200.0	H	191.0	-91.9
5032.550000	-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



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

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



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

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

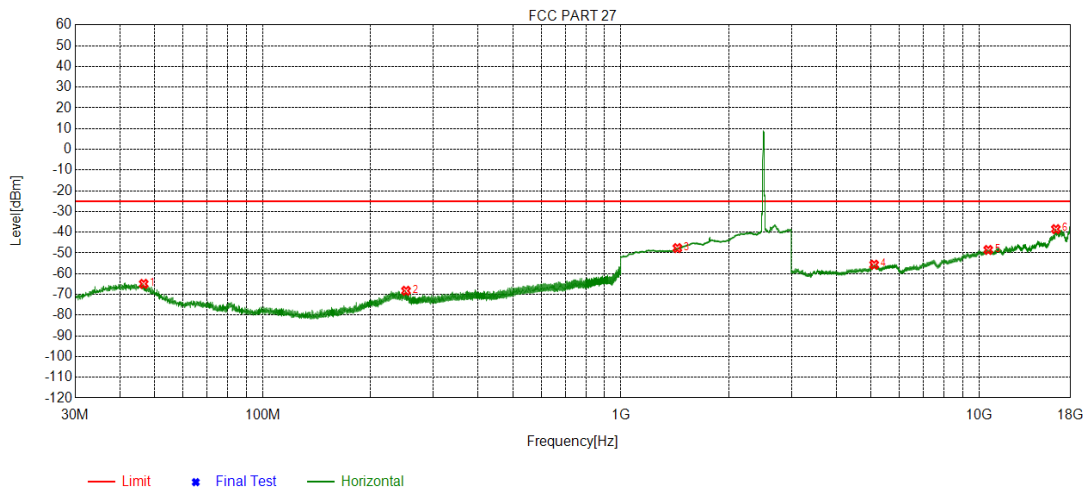
7.2. Secondary Antenna

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



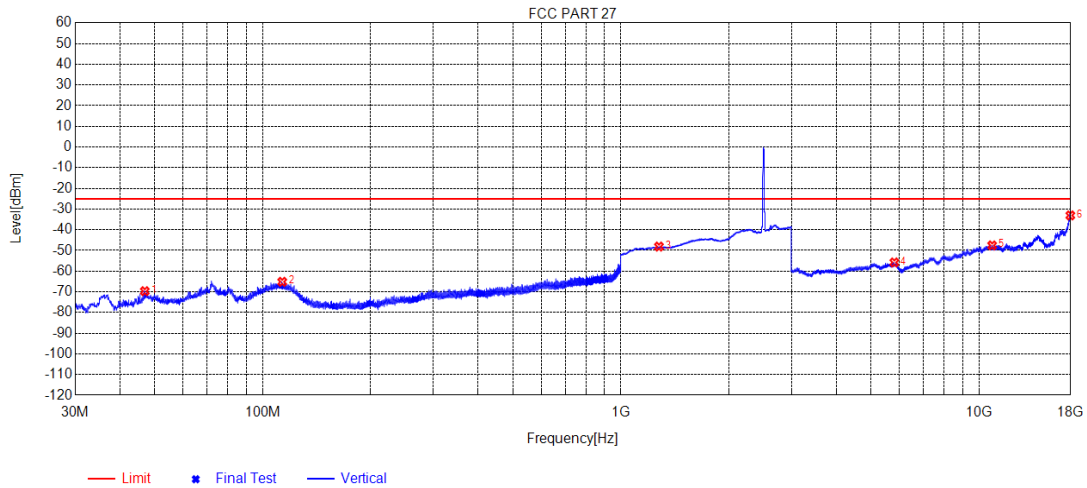
Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	46.5878	-71.01	-64.90	-25.00	39.90	6.11	Horizontal
2	251.5591	-70.48	-68.24	-25.00	43.24	2.24	Horizontal
3	1438.887	-69.11	-47.63	-25.00	22.63	21.48	Horizontal
4	5097.083	-77.27	-55.64	-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



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

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

7.2.1.1.1.2. 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

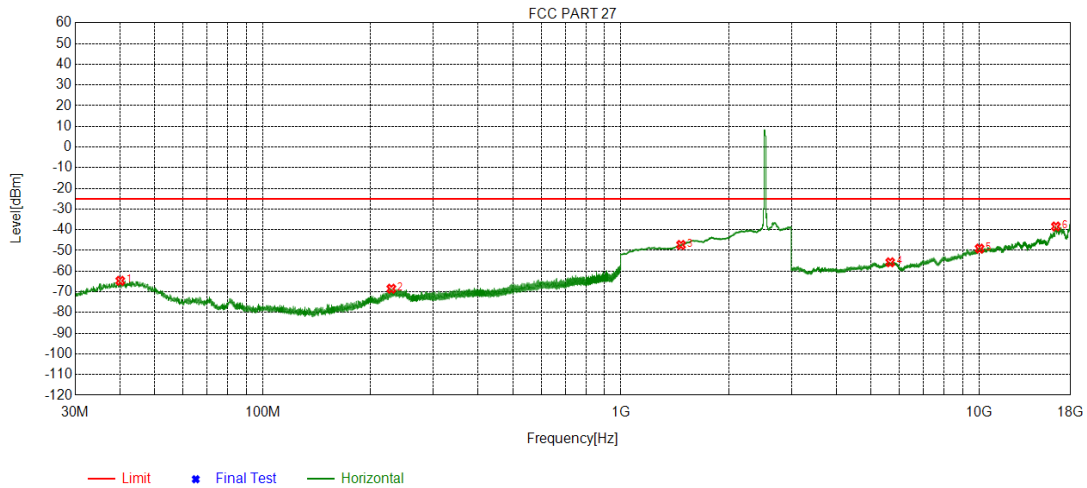


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

7.2.1.1.2. Test Channel = MCH

7.2.1.1.2.1. Horizontal



Suspected Data List

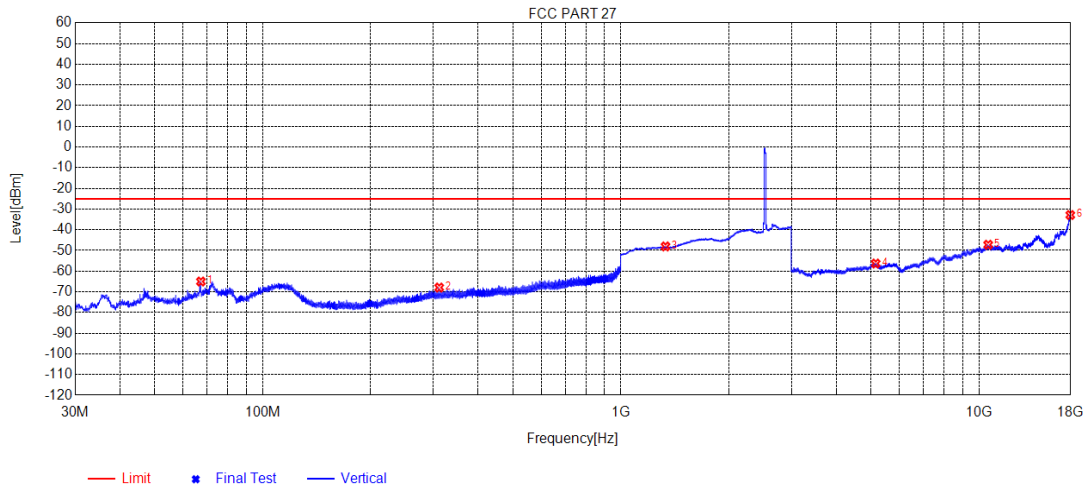
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	40.0885	-71.42	-64.66	-25.00	39.66	6.76	Horizontal
2	228.9084	-71.11	-68.48	-25.00	43.48	2.63	Horizontal
3	1473.294	-69.54	-47.31	-25.00	22.31	22.23	Horizontal
4	5653.306	-77.45	-55.71	-25.00	30.71	21.74	Horizontal
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



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

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

7.2.1.1.2.2. 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

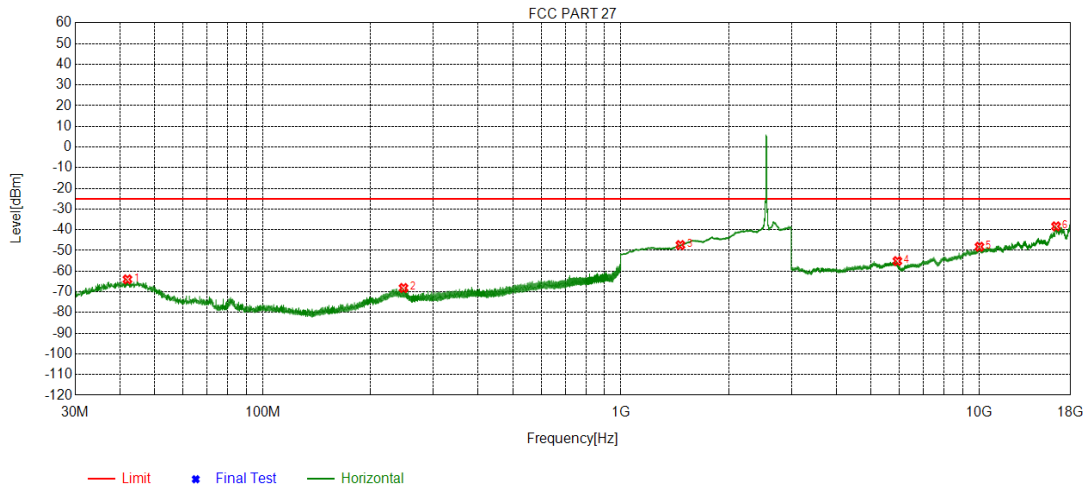


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

7.2.1.1.3. Test Channel = HCH

7.2.1.1.3.1. Horizontal



Suspected Data List

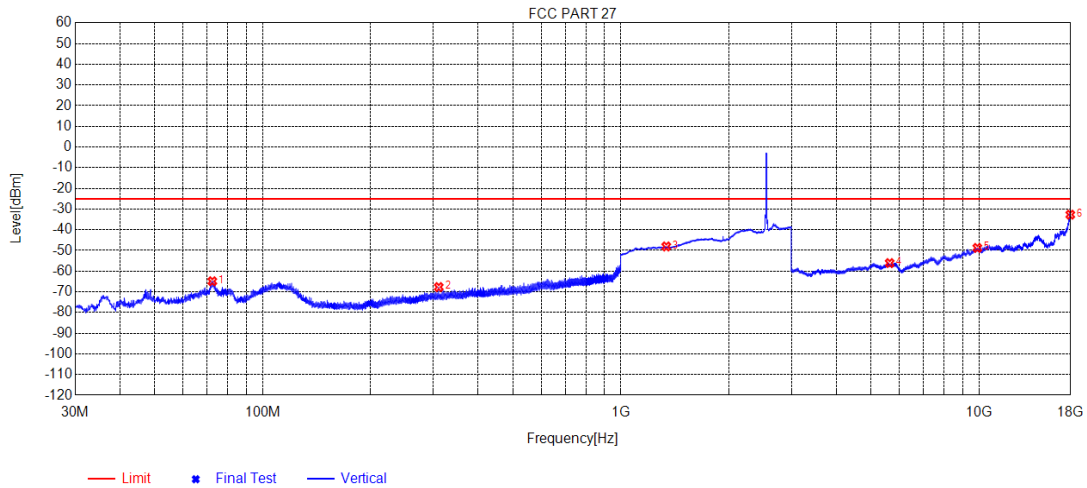
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	41.9801	-70.82	-63.96	-25.00	38.96	6.86	Horizontal
2	247.5334	-70.75	-68.13	-25.00	43.13	2.62	Horizontal
3	1467.293	-69.48	-47.38	-25.00	22.38	22.10	Horizontal
4	5918.516	-77.12	-55.11	-25.00	30.11	22.01	Horizontal
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



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

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

7.2.1.1.3.2. 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.



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

8. Frequency Stability

8.1. Frequency Vs Voltage

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-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



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

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



Band7	20MHz	64QAM	21100	100RB#0	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



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