



Appendix B

E-UTRA Band 41



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

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

CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	3
1.1.	TEST RESULT.....	3
2.	PEAK-TO-AVERAGE RATIO (CCDF).....	11
2.1.	TEST RESULT.....	11
2.2.	TEST PLOTS.....	11
3.	MODULATION CHARACTERISTICS.....	16
3.1.	TEST MODE = LTE /TM1 20MHZ.....	16
3.1.1.	TEST CHANNEL = MCH.....	16
3.2.	TEST MODE = LTE /TM2 20MHZ.....	17
3.2.1.	TEST CHANNEL = MCH.....	17
3.3.	TEST MODE = LTE /TM3 20MHZ.....	18
3.3.1.	TEST CHANNEL = MCH.....	18
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	19
4.1.	TEST RESULT.....	19
4.2.	TEST PLOTS.....	20
5.	BAND EDGE COMPLIANCE.....	39
5.1.	TEST RESULT.....	39
5.2.	TEST PLOTS.....	40
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	65
6.1.	TEST PLOTS.....	65
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	75
7.1.	TEST MODE =LTE/TM1 20MHZ.....	75
7.1.1.	TEST CHANNEL = LCH.....	75
7.1.2.	TEST CHANNEL = MCH.....	75
7.1.3.	TEST CHANNEL = HCH.....	76
8.	FREQUENCY STABILITY.....	77
8.1.	FREQUENCY VS VOLTAGE.....	77
8.2.	FREQUENCY VS TEMPERATURE.....	78



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

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

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

1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	22.71	22.21	33	PASS
Band41	5MHz	QPSK	40065	1RB#12	22.53	22.03	33	PASS
Band41	5MHz	QPSK	40065	1RB#24	22.73	22.23	33	PASS
Band41	5MHz	QPSK	40065	12RB#6	21.66	21.16	33	PASS
Band41	5MHz	QPSK	40065	12RB#0	21.61	21.11	33	PASS
Band41	5MHz	QPSK	40065	12RB#13	21.53	21.03	33	PASS
Band41	5MHz	QPSK	40065	25RB#0	21.65	21.15	33	PASS
Band41	5MHz	QPSK	40640	1RB#0	22.83	22.33	33	PASS
Band41	5MHz	QPSK	40640	1RB#12	22.54	22.04	33	PASS
Band41	5MHz	QPSK	40640	1RB#24	22.78	22.28	33	PASS
Band41	5MHz	QPSK	40640	12RB#6	21.52	21.02	33	PASS
Band41	5MHz	QPSK	40640	12RB#0	22.00	21.50	33	PASS
Band41	5MHz	QPSK	40640	12RB#13	21.96	21.46	33	PASS
Band41	5MHz	QPSK	40640	25RB#0	21.95	21.45	33	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.64	22.14	33	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.11	21.61	33	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.56	22.06	33	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.08	20.58	33	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.11	20.61	33	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.22	20.72	33	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.09	20.59	33	PASS
Band41	5MHz	64QAM	40065	1RB#0	21.06	20.56	33	PASS
Band41	5MHz	64QAM	40065	1RB#24	21.28	20.78	33	PASS
Band41	5MHz	64QAM	40065	1RB#12	21.02	20.52	33	PASS
Band41	5MHz	64QAM	40065	12RB#0	19.87	19.37	33	PASS
Band41	5MHz	64QAM	40065	12RB#6	20.10	19.60	33	PASS
Band41	5MHz	64QAM	40065	12RB#13	19.71	19.21	33	PASS



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

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

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

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



Band41	5MHz	64QAM	40065	25RB#0	19.96	19.46	33	PASS
Band41	5MHz	64QAM	40640	1RB#0	20.50	20.00	33	PASS
Band41	5MHz	64QAM	40640	1RB#12	21.28	20.78	33	PASS
Band41	5MHz	64QAM	40640	1RB#24	20.79	20.29	33	PASS
Band41	5MHz	64QAM	40640	12RB#13	19.73	19.23	33	PASS
Band41	5MHz	64QAM	40640	12RB#6	19.83	19.33	33	PASS
Band41	5MHz	64QAM	40640	12RB#0	19.78	19.28	33	PASS
Band41	5MHz	64QAM	40640	25RB#0	19.70	19.20	33	PASS
Band41	5MHz	64QAM	41215	1RB#0	21.16	20.66	33	PASS
Band41	5MHz	64QAM	41215	1RB#12	21.09	20.59	33	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.94	20.44	33	PASS
Band41	5MHz	64QAM	41215	12RB#0	20.19	19.69	33	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.99	19.49	33	PASS
Band41	5MHz	64QAM	41215	12RB#13	20.02	19.52	33	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.81	19.31	33	PASS
Band41	5MHz	16QAM	40065	1RB#0	21.54	21.04	33	PASS
Band41	5MHz	16QAM	40065	1RB#12	22.01	21.51	33	PASS
Band41	5MHz	16QAM	40065	1RB#24	21.77	21.27	33	PASS
Band41	5MHz	16QAM	40065	12RB#6	20.54	20.04	33	PASS
Band41	5MHz	16QAM	40065	12RB#0	20.53	20.03	33	PASS
Band41	5MHz	16QAM	40065	12RB#13	20.64	20.14	33	PASS
Band41	5MHz	16QAM	40065	25RB#0	20.78	20.28	33	PASS
Band41	5MHz	16QAM	40640	1RB#0	22.12	21.62	33	PASS
Band41	5MHz	16QAM	40640	1RB#12	21.52	21.02	33	PASS
Band41	5MHz	16QAM	40640	1RB#24	21.91	21.41	33	PASS
Band41	5MHz	16QAM	40640	12RB#0	20.56	20.06	33	PASS
Band41	5MHz	16QAM	40640	12RB#6	20.67	20.17	33	PASS
Band41	5MHz	16QAM	40640	12RB#13	20.56	20.06	33	PASS
Band41	5MHz	16QAM	40640	25RB#0	20.54	20.04	33	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.40	20.90	33	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.20	20.70	33	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.73	21.23	33	PASS
Band41	5MHz	16QAM	41215	12RB#6	20.20	19.70	33	PASS



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

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



Band41	5MHz	16QAM	41215	12RB#0	20.12	19.62	33	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.07	19.57	33	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.24	19.74	33	PASS
Band41	10MHz	QPSK	40090	1RB#0	22.75	22.25	33	PASS
Band41	10MHz	QPSK	40090	1RB#24	22.16	21.66	33	PASS
Band41	10MHz	QPSK	40090	1RB#49	22.41	21.91	33	PASS
Band41	10MHz	QPSK	40090	25RB#0	21.19	20.69	33	PASS
Band41	10MHz	QPSK	40090	25RB#12	21.21	20.71	33	PASS
Band41	10MHz	QPSK	40090	25RB#25	21.23	20.73	33	PASS
Band41	10MHz	QPSK	40090	50RB#0	21.21	20.71	33	PASS
Band41	10MHz	QPSK	40640	1RB#0	22.47	21.97	33	PASS
Band41	10MHz	QPSK	40640	1RB#24	22.09	21.59	33	PASS
Band41	10MHz	QPSK	40640	1RB#49	22.23	21.73	33	PASS
Band41	10MHz	QPSK	40640	25RB#0	21.10	20.60	33	PASS
Band41	10MHz	QPSK	40640	25RB#12	21.05	20.55	33	PASS
Band41	10MHz	QPSK	40640	25RB#25	21.01	20.51	33	PASS
Band41	10MHz	QPSK	40640	50RB#0	21.09	20.59	33	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.80	22.30	33	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.14	21.64	33	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.35	21.85	33	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.08	20.58	33	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.11	20.61	33	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.27	20.77	33	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.17	20.67	33	PASS
Band41	10MHz	64QAM	40090	1RB#0	21.03	20.53	33	PASS
Band41	10MHz	64QAM	40090	1RB#24	21.23	20.73	33	PASS
Band41	10MHz	64QAM	40090	1RB#49	21.06	20.56	33	PASS
Band41	10MHz	64QAM	40090	25RB#0	19.87	19.37	33	PASS
Band41	10MHz	64QAM	40090	25RB#12	20.04	19.54	33	PASS
Band41	10MHz	64QAM	40090	25RB#25	19.81	19.31	33	PASS
Band41	10MHz	64QAM	40090	50RB#0	19.94	19.44	33	PASS
Band41	10MHz	64QAM	40640	1RB#0	20.58	20.08	33	PASS
Band41	10MHz	64QAM	40640	1RB#24	21.28	20.78	33	PASS



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

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



Band41	10MHz	64QAM	40640	1RB#49	20.86	20.36	33	PASS
Band41	10MHz	64QAM	40640	25RB#0	19.80	19.30	33	PASS
Band41	10MHz	64QAM	40640	25RB#12	19.87	19.37	33	PASS
Band41	10MHz	64QAM	40640	25RB#25	19.85	19.35	33	PASS
Band41	10MHz	64QAM	40640	50RB#0	19.70	19.20	33	PASS
Band41	10MHz	64QAM	41190	1RB#0	21.10	20.60	33	PASS
Band41	10MHz	64QAM	41190	1RB#24	21.11	20.61	33	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.94	20.44	33	PASS
Band41	10MHz	64QAM	41190	25RB#0	20.20	19.70	33	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.93	19.43	33	PASS
Band41	10MHz	64QAM	41190	25RB#25	20.02	19.52	33	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.79	19.29	33	PASS
Band41	10MHz	16QAM	40090	1RB#0	21.35	20.85	33	PASS
Band41	10MHz	16QAM	40090	1RB#24	21.04	20.54	33	PASS
Band41	10MHz	16QAM	40090	1RB#49	21.93	21.43	33	PASS
Band41	10MHz	16QAM	40090	25RB#0	20.14	19.64	33	PASS
Band41	10MHz	16QAM	40090	25RB#12	20.20	19.70	33	PASS
Band41	10MHz	16QAM	40090	25RB#25	20.02	19.52	33	PASS
Band41	10MHz	16QAM	40090	50RB#0	20.22	19.72	33	PASS
Band41	10MHz	16QAM	40640	1RB#0	21.45	20.95	33	PASS
Band41	10MHz	16QAM	40640	1RB#24	21.27	20.77	33	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.19	20.69	33	PASS
Band41	10MHz	16QAM	40640	25RB#0	20.09	19.59	33	PASS
Band41	10MHz	16QAM	40640	25RB#12	20.02	19.52	33	PASS
Band41	10MHz	16QAM	40640	25RB#25	20.12	19.62	33	PASS
Band41	10MHz	16QAM	40640	50RB#0	20.12	19.62	33	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.64	21.14	33	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.23	20.73	33	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.31	20.81	33	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.12	19.62	33	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.05	19.55	33	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.10	19.60	33	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.20	19.70	33	PASS



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

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

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

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



Band41	15MHz	QPSK	40115	1RB#0	22.54	22.04	33	PASS
Band41	15MHz	QPSK	40115	1RB#38	22.18	21.68	33	PASS
Band41	15MHz	QPSK	40115	1RB#74	22.47	21.97	33	PASS
Band41	15MHz	QPSK	40115	36RB#0	21.21	20.71	33	PASS
Band41	15MHz	QPSK	40115	36RB#18	21.19	20.69	33	PASS
Band41	15MHz	QPSK	40115	36RB#39	21.36	20.86	33	PASS
Band41	15MHz	QPSK	40115	75RB#0	21.25	20.75	33	PASS
Band41	15MHz	QPSK	40640	1RB#0	22.52	22.02	33	PASS
Band41	15MHz	QPSK	40640	1RB#38	22.17	21.67	33	PASS
Band41	15MHz	QPSK	40640	1RB#74	22.44	21.94	33	PASS
Band41	15MHz	QPSK	40640	36RB#0	21.11	20.61	33	PASS
Band41	15MHz	QPSK	40640	36RB#18	21.21	20.71	33	PASS
Band41	15MHz	QPSK	40640	36RB#39	21.29	20.79	33	PASS
Band41	15MHz	QPSK	40640	75RB#0	21.19	20.69	33	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.49	21.99	33	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.19	21.69	33	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.44	21.94	33	PASS
Band41	15MHz	QPSK	41165	36RB#0	21.30	20.80	33	PASS
Band41	15MHz	QPSK	41165	36RB#18	21.17	20.67	33	PASS
Band41	15MHz	QPSK	41165	36RB#39	21.34	20.84	33	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.22	20.72	33	PASS
Band41	15MHz	64QAM	40115	1RB#0	21.05	20.55	33	PASS
Band41	15MHz	64QAM	40115	1RB#38	21.29	20.79	33	PASS
Band41	15MHz	64QAM	40115	1RB#74	21.10	20.60	33	PASS
Band41	15MHz	64QAM	40115	36RB#0	19.90	19.40	33	PASS
Band41	15MHz	64QAM	40115	36RB#18	20.14	19.64	33	PASS
Band41	15MHz	64QAM	40115	36RB#39	19.76	19.26	33	PASS
Band41	15MHz	64QAM	40115	75RB#0	20.04	19.54	33	PASS
Band41	15MHz	64QAM	40640	1RB#0	20.55	20.05	33	PASS
Band41	15MHz	64QAM	40640	1RB#38	21.35	20.85	33	PASS
Band41	15MHz	64QAM	40640	1RB#74	20.88	20.38	33	PASS
Band41	15MHz	64QAM	40640	36RB#0	19.76	19.26	33	PASS
Band41	15MHz	64QAM	40640	36RB#18	19.95	19.45	33	PASS



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

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

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

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



Band41	15MHz	64QAM	40640	36RB#39	19.88	19.38	33	PASS
Band41	15MHz	64QAM	40640	75RB#0	19.78	19.28	33	PASS
Band41	15MHz	64QAM	41165	1RB#0	21.22	20.72	33	PASS
Band41	15MHz	64QAM	41165	1RB#38	21.16	20.66	33	PASS
Band41	15MHz	64QAM	41165	1RB#74	20.99	20.49	33	PASS
Band41	15MHz	64QAM	41165	36RB#0	20.22	19.72	33	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.99	19.49	33	PASS
Band41	15MHz	64QAM	41165	36RB#39	20.12	19.62	33	PASS
Band41	15MHz	64QAM	41165	75RB#0	19.87	19.37	33	PASS
Band41	15MHz	16QAM	40115	1RB#0	21.71	21.21	33	PASS
Band41	15MHz	16QAM	40115	1RB#38	21.13	20.63	33	PASS
Band41	15MHz	16QAM	40115	1RB#74	21.54	21.04	33	PASS
Band41	15MHz	16QAM	40115	36RB#0	20.22	19.72	33	PASS
Band41	15MHz	16QAM	40115	36RB#18	20.15	19.65	33	PASS
Band41	15MHz	16QAM	40115	36RB#39	20.24	19.74	33	PASS
Band41	15MHz	16QAM	40115	75RB#0	20.22	19.72	33	PASS
Band41	15MHz	16QAM	40640	1RB#0	21.76	21.26	33	PASS
Band41	15MHz	16QAM	40640	1RB#38	21.15	20.65	33	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.42	20.92	33	PASS
Band41	15MHz	16QAM	40640	36RB#0	20.24	19.74	33	PASS
Band41	15MHz	16QAM	40640	36RB#18	20.12	19.62	33	PASS
Band41	15MHz	16QAM	40640	36RB#39	20.21	19.71	33	PASS
Band41	15MHz	16QAM	40640	75RB#0	20.24	19.74	33	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.85	21.35	33	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.46	20.96	33	PASS
Band41	15MHz	16QAM	41165	1RB#74	21.84	21.34	33	PASS
Band41	15MHz	16QAM	41165	36RB#0	20.23	19.73	33	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.21	19.71	33	PASS
Band41	15MHz	16QAM	41165	36RB#39	20.25	19.75	33	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.23	19.73	33	PASS
Band41	20MHz	QPSK	40140	1RB#0	22.86	22.36	33	PASS
Band41	20MHz	QPSK	40140	1RB#49	23.16	22.66	33	PASS
Band41	20MHz	QPSK	40140	1RB#99	23.24	22.74	33	PASS



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

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



Band41	20MHz	QPSK	40140	50RB#25	21.98	21.48	33	PASS
Band41	20MHz	QPSK	40140	50RB#0	22.12	21.62	33	PASS
Band41	20MHz	QPSK	40140	50RB#50	22.26	21.76	33	PASS
Band41	20MHz	QPSK	40140	100RB#0	22.11	21.61	33	PASS
Band41	20MHz	QPSK	40640	1RB#0	22.79	22.29	33	PASS
Band41	20MHz	QPSK	40640	1RB#49	22.95	22.45	33	PASS
Band41	20MHz	QPSK	40640	1RB#99	22.96	22.46	33	PASS
Band41	20MHz	QPSK	40640	50RB#25	21.93	21.43	33	PASS
Band41	20MHz	QPSK	40640	50RB#0	22.12	21.62	33	PASS
Band41	20MHz	QPSK	40640	50RB#50	22.13	21.63	33	PASS
Band41	20MHz	QPSK	40640	100RB#0	21.97	21.47	33	PASS
Band41	20MHz	QPSK	41140	1RB#0	23.19	22.69	33	PASS
Band41	20MHz	QPSK	41140	1RB#49	23.19	22.69	33	PASS
Band41	20MHz	QPSK	41140	1RB#99	23.20	22.70	33	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.95	21.45	33	PASS
Band41	20MHz	QPSK	41140	50RB#0	22.24	21.74	33	PASS
Band41	20MHz	QPSK	41140	50RB#50	22.25	21.75	33	PASS
Band41	20MHz	QPSK	41140	100RB#0	22.03	21.53	33	PASS
Band41	20MHz	64QAM	40140	1RB#0	21.14	20.64	33	PASS
Band41	20MHz	64QAM	40140	1RB#49	21.32	20.82	33	PASS
Band41	20MHz	64QAM	40140	1RB#99	21.15	20.65	33	PASS
Band41	20MHz	64QAM	40140	50RB#25	19.90	19.40	33	PASS
Band41	20MHz	64QAM	40140	50RB#0	20.11	19.61	33	PASS
Band41	20MHz	64QAM	40140	50RB#50	19.78	19.28	33	PASS
Band41	20MHz	64QAM	40140	100RB#0	19.98	19.48	33	PASS
Band41	20MHz	64QAM	40640	1RB#0	20.61	20.11	33	PASS
Band41	20MHz	64QAM	40640	1RB#49	21.37	20.87	33	PASS
Band41	20MHz	64QAM	40640	1RB#99	20.89	20.39	33	PASS
Band41	20MHz	64QAM	40640	50RB#25	19.81	19.31	33	PASS
Band41	20MHz	64QAM	40640	50RB#0	19.90	19.40	33	PASS
Band41	20MHz	64QAM	40640	50RB#50	19.85	19.35	33	PASS
Band41	20MHz	64QAM	40640	100RB#0	19.76	19.26	33	PASS
Band41	20MHz	64QAM	41140	1RB#0	21.22	20.72	33	PASS



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

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

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

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

Band41	20MHz	64QAM	41140	1RB#49	21.09	20.59	33	PASS
Band41	20MHz	64QAM	41140	1RB#99	20.98	20.48	33	PASS
Band41	20MHz	64QAM	41140	50RB#25	20.24	19.74	33	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.94	19.44	33	PASS
Band41	20MHz	64QAM	41140	50RB#50	20.14	19.64	33	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.83	19.33	33	PASS
Band41	20MHz	16QAM	40140	1RB#0	22.24	21.74	33	PASS
Band41	20MHz	16QAM	40140	1RB#49	22.45	21.95	33	PASS
Band41	20MHz	16QAM	40140	1RB#99	22.27	21.77	33	PASS
Band41	20MHz	16QAM	40140	50RB#25	21.02	20.52	33	PASS
Band41	20MHz	16QAM	40140	50RB#0	21.28	20.78	33	PASS
Band41	20MHz	16QAM	40140	50RB#50	20.96	20.46	33	PASS
Band41	20MHz	16QAM	40140	100RB#0	21.17	20.67	33	PASS
Band41	20MHz	16QAM	40640	1RB#0	21.73	21.23	33	PASS
Band41	20MHz	16QAM	40640	1RB#49	22.47	21.97	33	PASS
Band41	20MHz	16QAM	40640	1RB#99	22.01	21.51	33	PASS
Band41	20MHz	16QAM	40640	50RB#25	20.96	20.46	33	PASS
Band41	20MHz	16QAM	40640	50RB#0	21.07	20.57	33	PASS
Band41	20MHz	16QAM	40640	50RB#50	21.00	20.50	33	PASS
Band41	20MHz	16QAM	40640	100RB#0	20.92	20.42	33	PASS
Band41	20MHz	16QAM	41140	1RB#0	22.34	21.84	33	PASS
Band41	20MHz	16QAM	41140	1RB#49	22.29	21.79	33	PASS
Band41	20MHz	16QAM	41140	1RB#99	22.11	21.61	33	PASS
Band41	20MHz	16QAM	41140	50RB#25	21.40	20.90	33	PASS
Band41	20MHz	16QAM	41140	50RB#0	21.14	20.64	33	PASS
Band41	20MHz	16QAM	41140	50RB#50	21.25	20.75	33	PASS
Band41	20MHz	16QAM	41140	100RB#0	21.01	20.51	33	PASS

Remark:

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

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

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



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

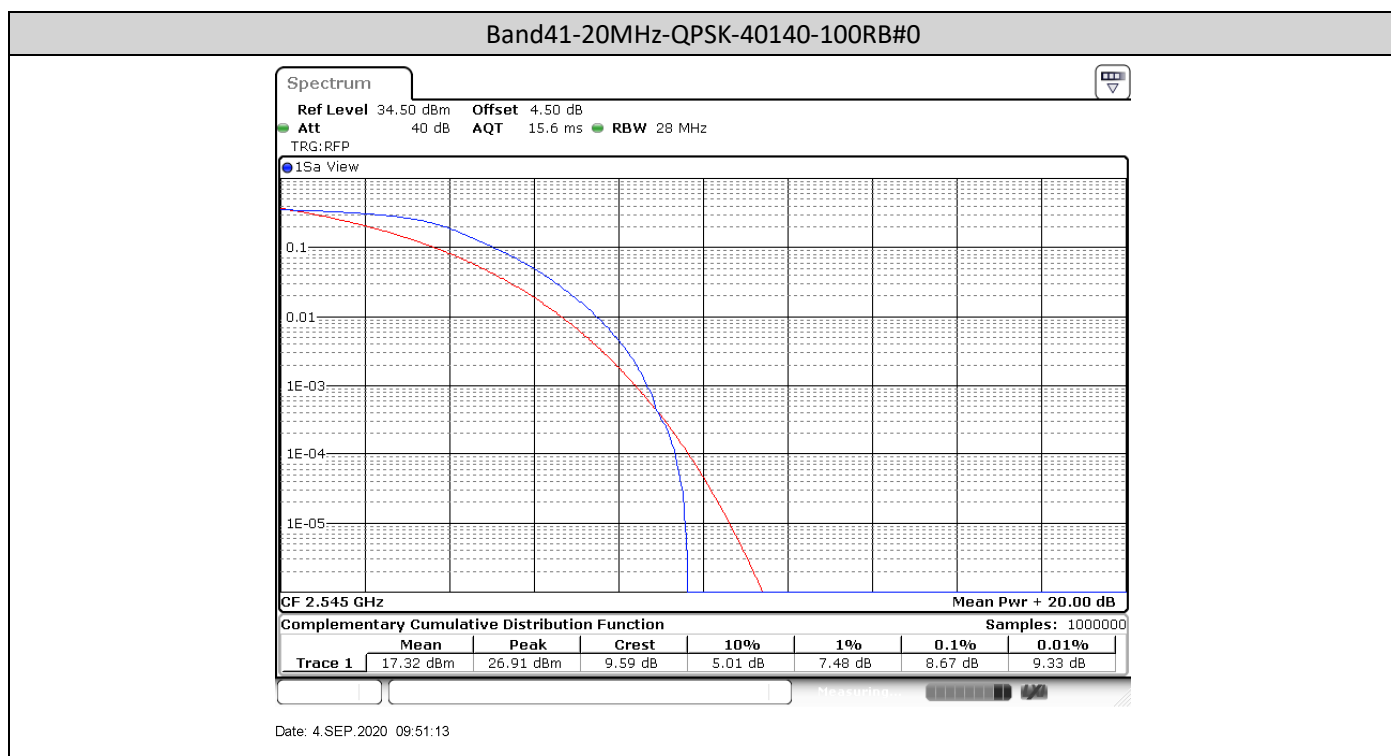


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	8.67	13	PASS
Band41	20MHz	QPSK	40640	100RB#0	8.67	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	8.72	13	PASS
Band41	20MHz	64QAM	40140	100RB#0	7.94	13	PASS
Band41	20MHz	64QAM	40640	100RB#0	9.62	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	9.45	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	9.36	13	PASS
Band41	20MHz	16QAM	40640	100RB#0	9.59	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	9.71	13	PASS

2.2. Test Plots

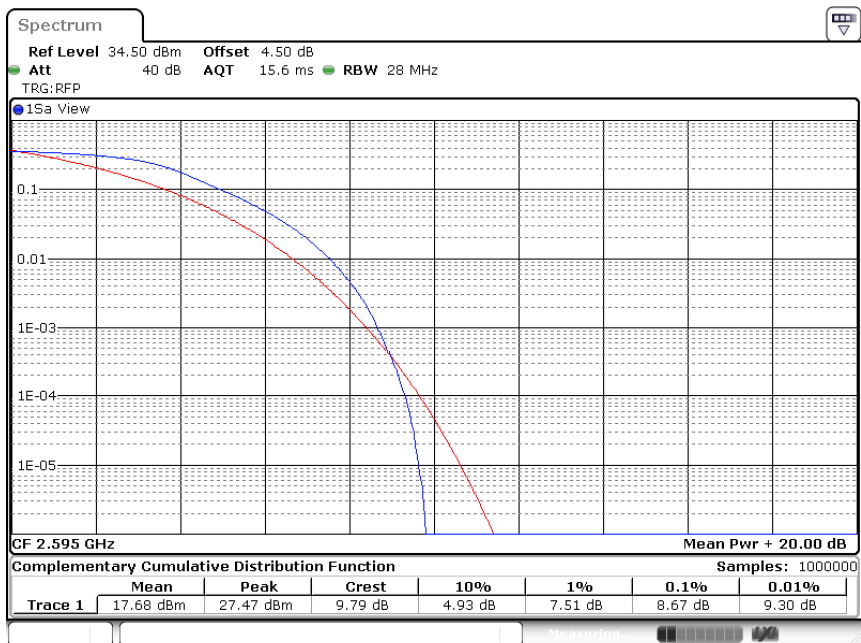


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

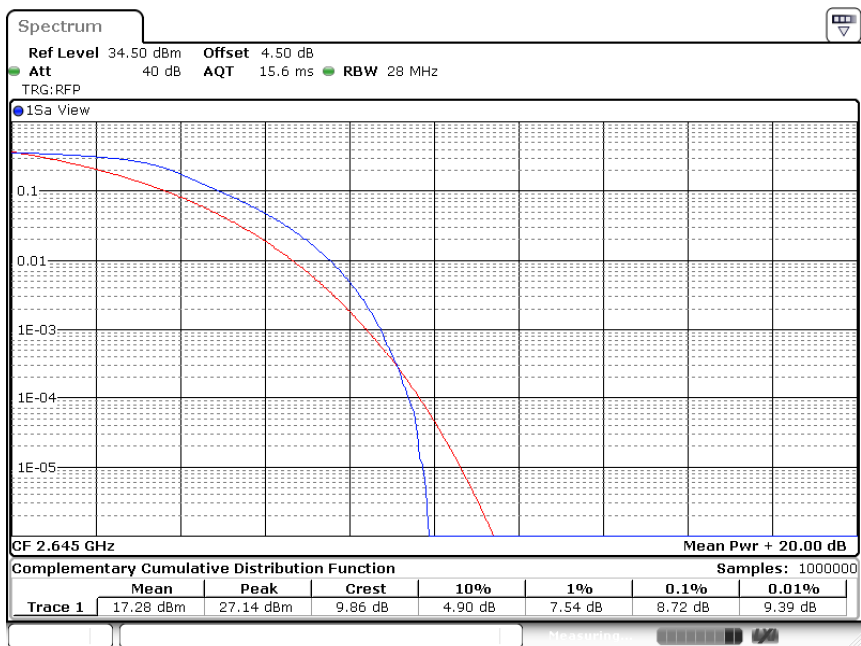
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-20MHz-QPSK-40640-100RB#0



Date: 4.SEP.2020 09:51:36

Band41-20MHz-QPSK-41140-100RB#0



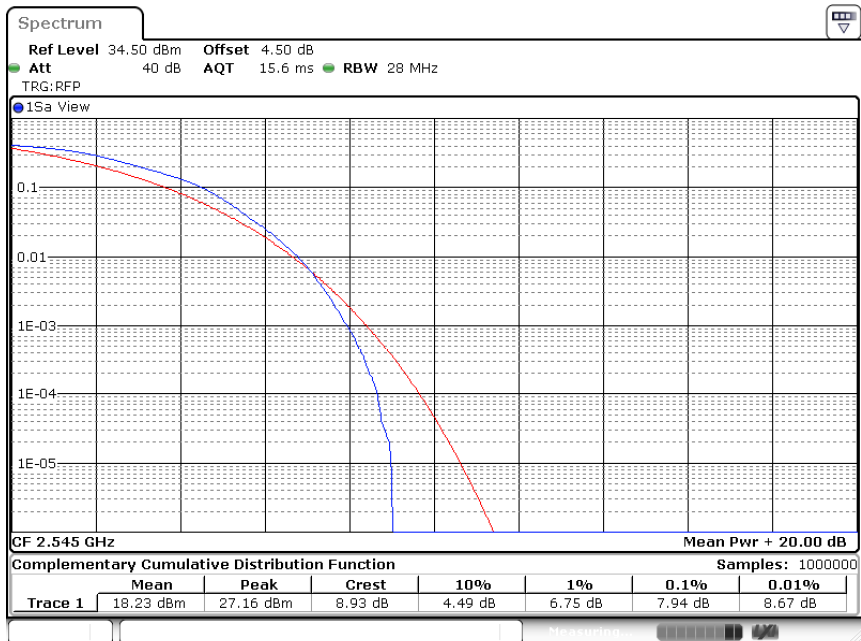
Date: 4.SEP.2020 09:51:59



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

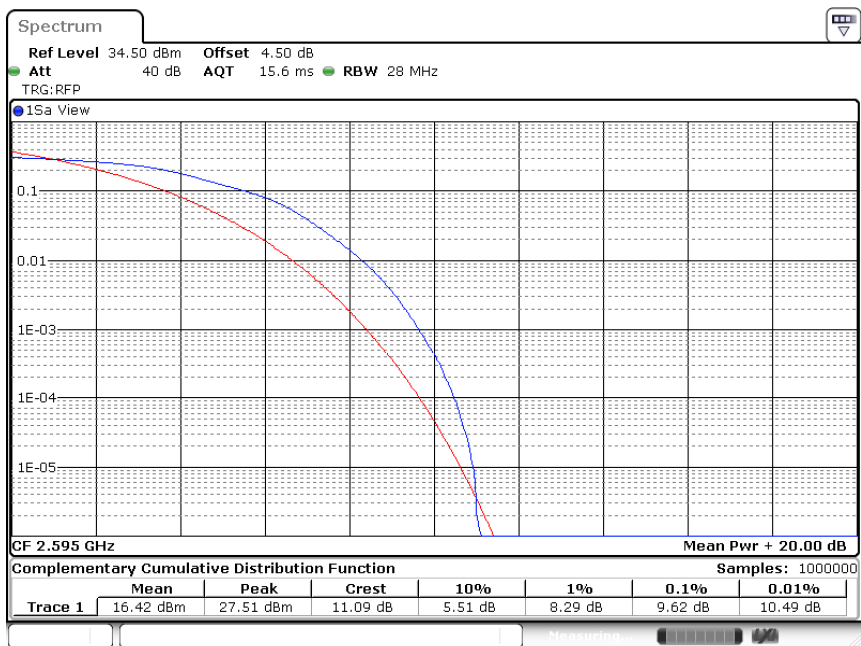
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band41-20MHz-64QAM-40140-100RB#0



Date: 4.SEP.2020 10:32:11

Band41-20MHz-64QAM-40640-100RB#0



Date: 4.SEP.2020 10:32:23



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

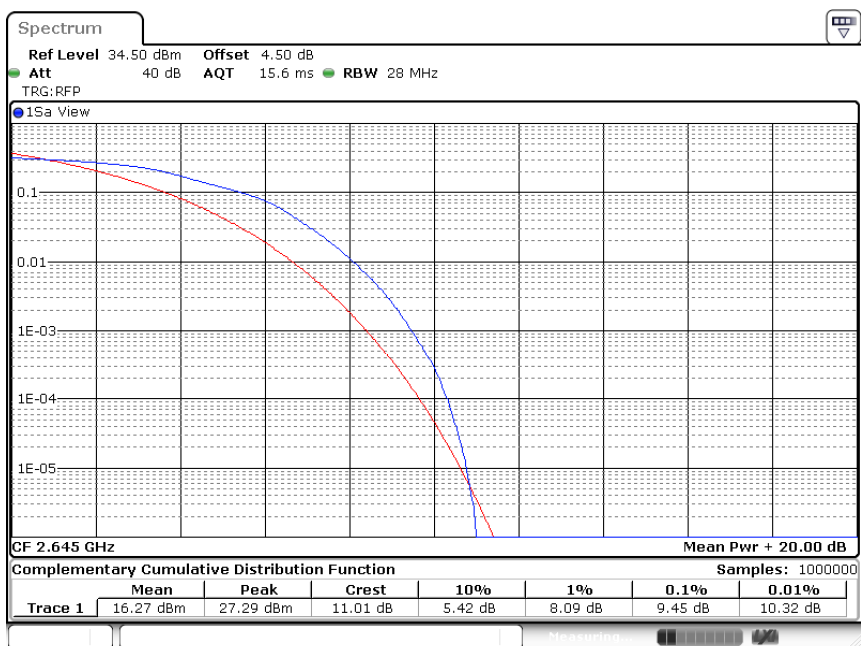
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

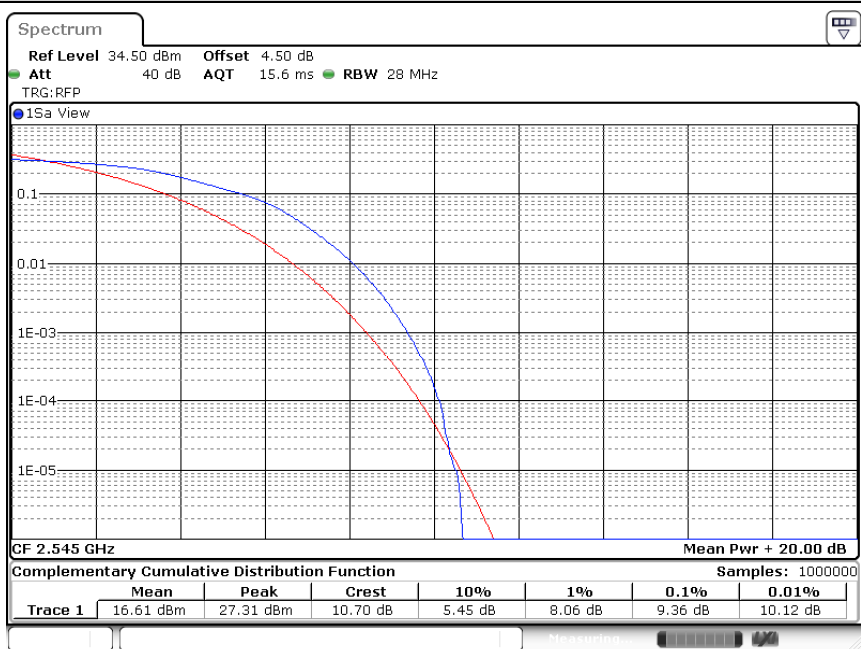
Member of the SGS Group (SGS SA)

Band41-20MHz-64QAM-41140-100RB#0



Date: 4.SEP.2020 10:32:34

Band41-20MHz-16QAM-40140-100RB#0



Date: 4.SEP.2020 09:51:25



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

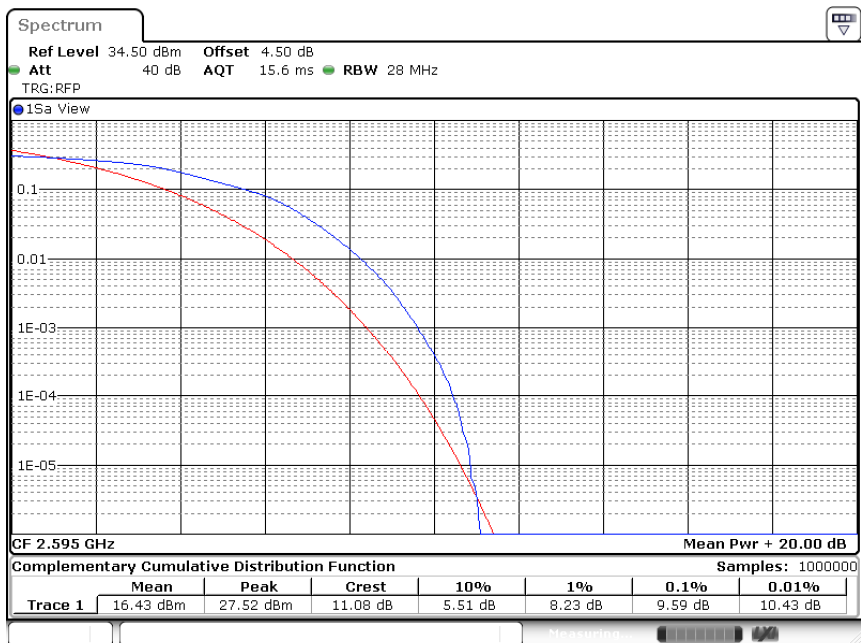
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

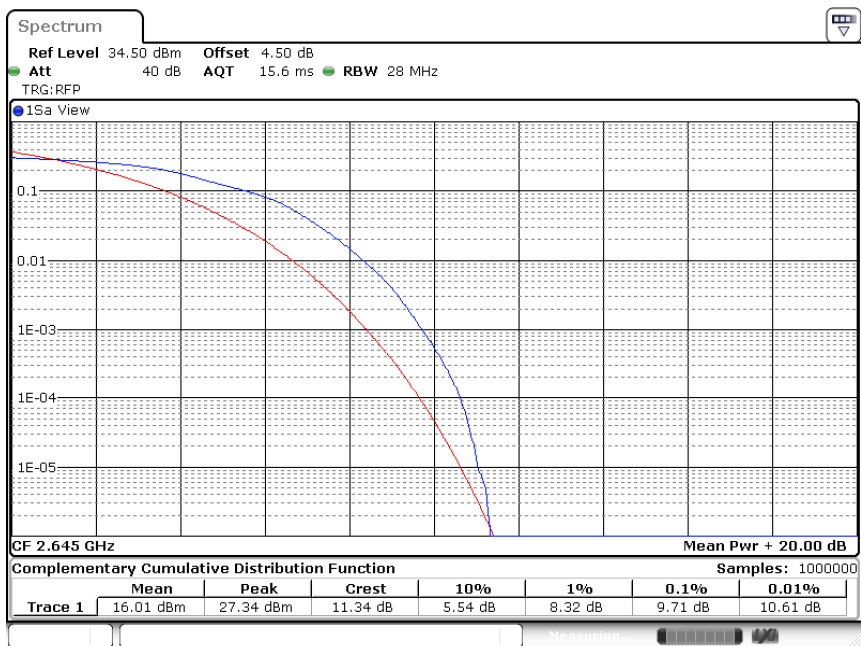
Member of the SGS Group (SGS SA)

Band41-20MHz-16QAM-40640-100RB#0



Date: 4.SEP.2020 09:51:48

Band41-20MHz-16QAM-41140-100RB#0



Date: 4.SEP.2020 09:52:11



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

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

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

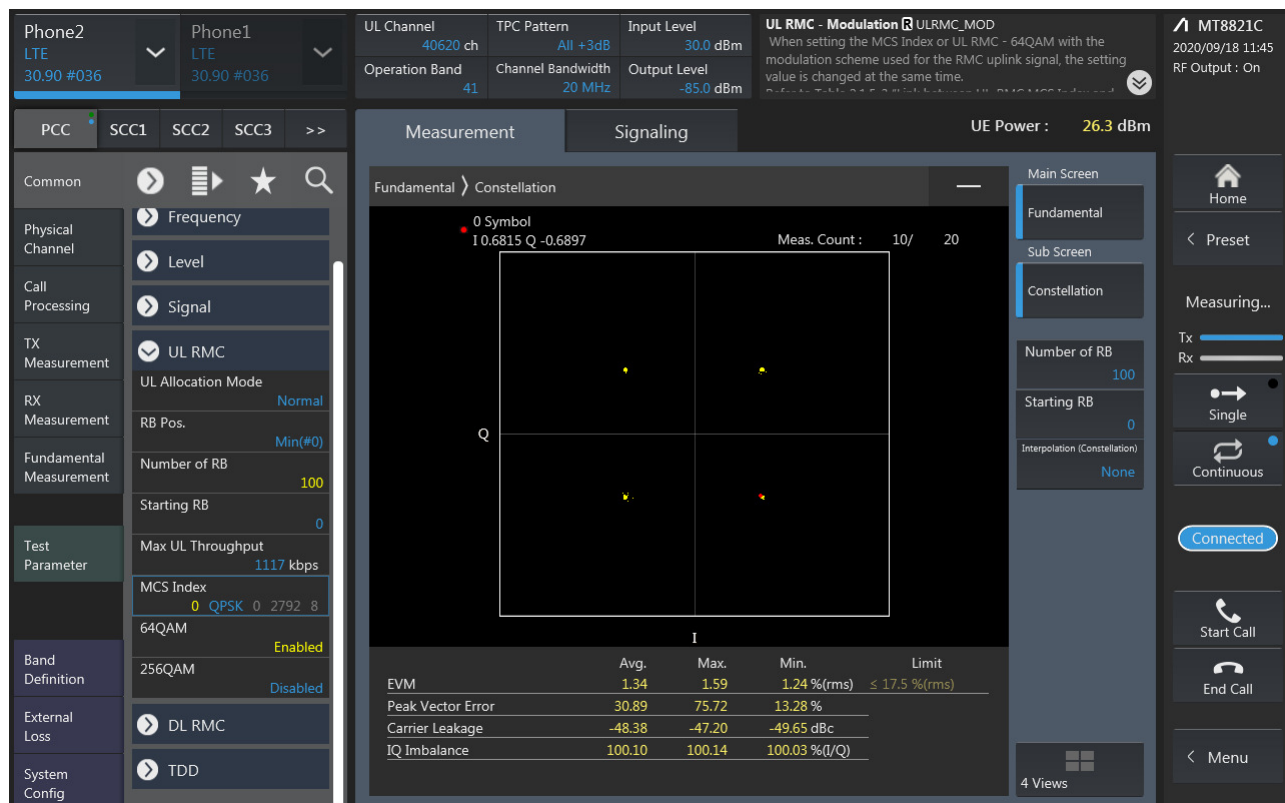
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

3. Modulation Characteristics

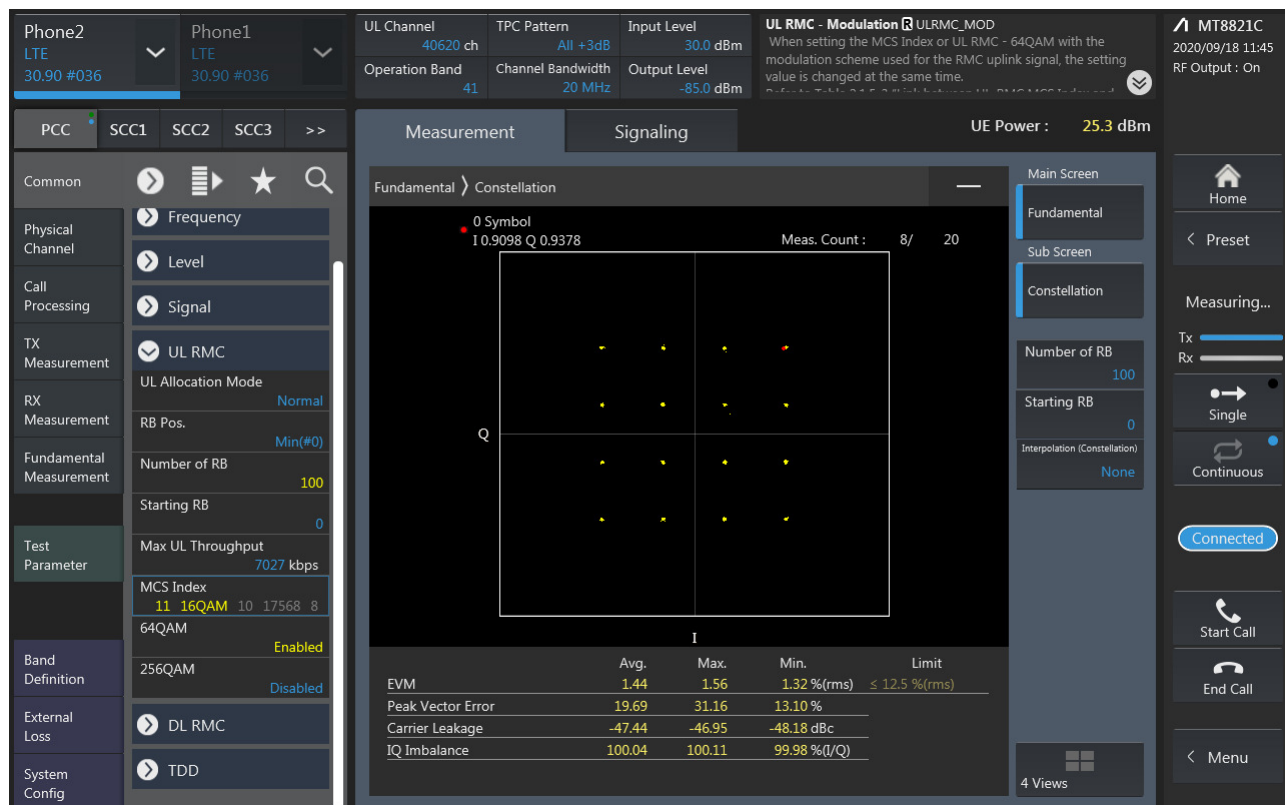
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



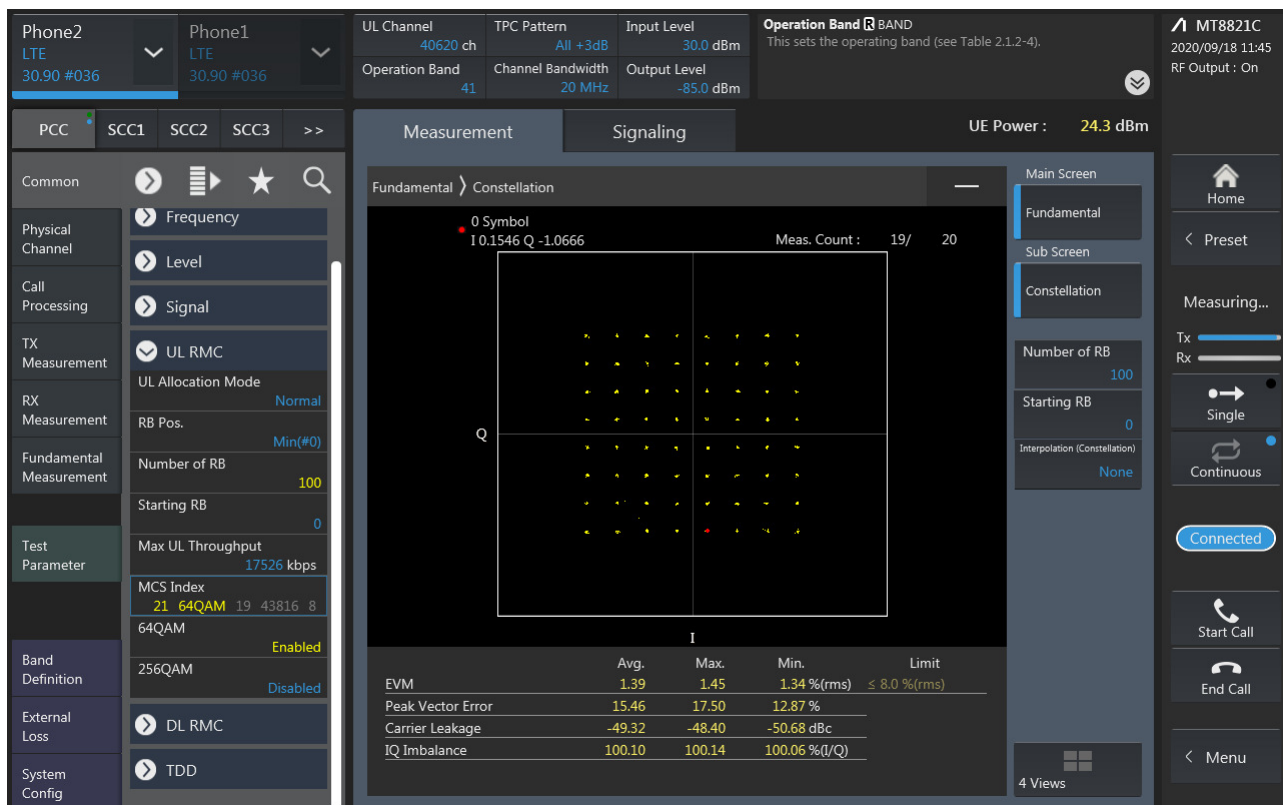
3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40065	25RB#0	4.466	4.970	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.476	4.970	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.476	4.950	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.466	4.900	PASS
Band41	5MHz	64QAM	40640	25RB#0	4.466	4.910	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.466	4.900	PASS
Band41	5MHz	16QAM	40065	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	40640	25RB#0	4.486	4.950	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.496	4.960	PASS
Band41	10MHz	QPSK	40090	50RB#0	8.911	9.840	PASS
Band41	10MHz	QPSK	40640	50RB#0	8.911	9.800	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.911	9.840	PASS
Band41	10MHz	64QAM	40090	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	40640	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.911	9.740	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.911	9.660	PASS
Band41	10MHz	16QAM	40640	50RB#0	8.911	9.660	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.911	9.660	PASS
Band41	15MHz	QPSK	40115	75RB#0	13.487	16.140	PASS
Band41	15MHz	QPSK	40640	75RB#0	13.487	16.290	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.516	16.650	PASS
Band41	15MHz	64QAM	40115	75RB#0	13.457	14.790	PASS
Band41	15MHz	64QAM	40640	75RB#0	13.457	14.910	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.457	14.910	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.457	15.120	PASS
Band41	15MHz	16QAM	40640	75RB#0	13.457	15.150	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.457	15.270	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.902	19.680	PASS
Band41	20MHz	QPSK	40640	100RB#0	17.902	19.560	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.942	19.680	PASS
Band41	20MHz	64QAM	40140	100RB#0	17.862	19.680	PASS

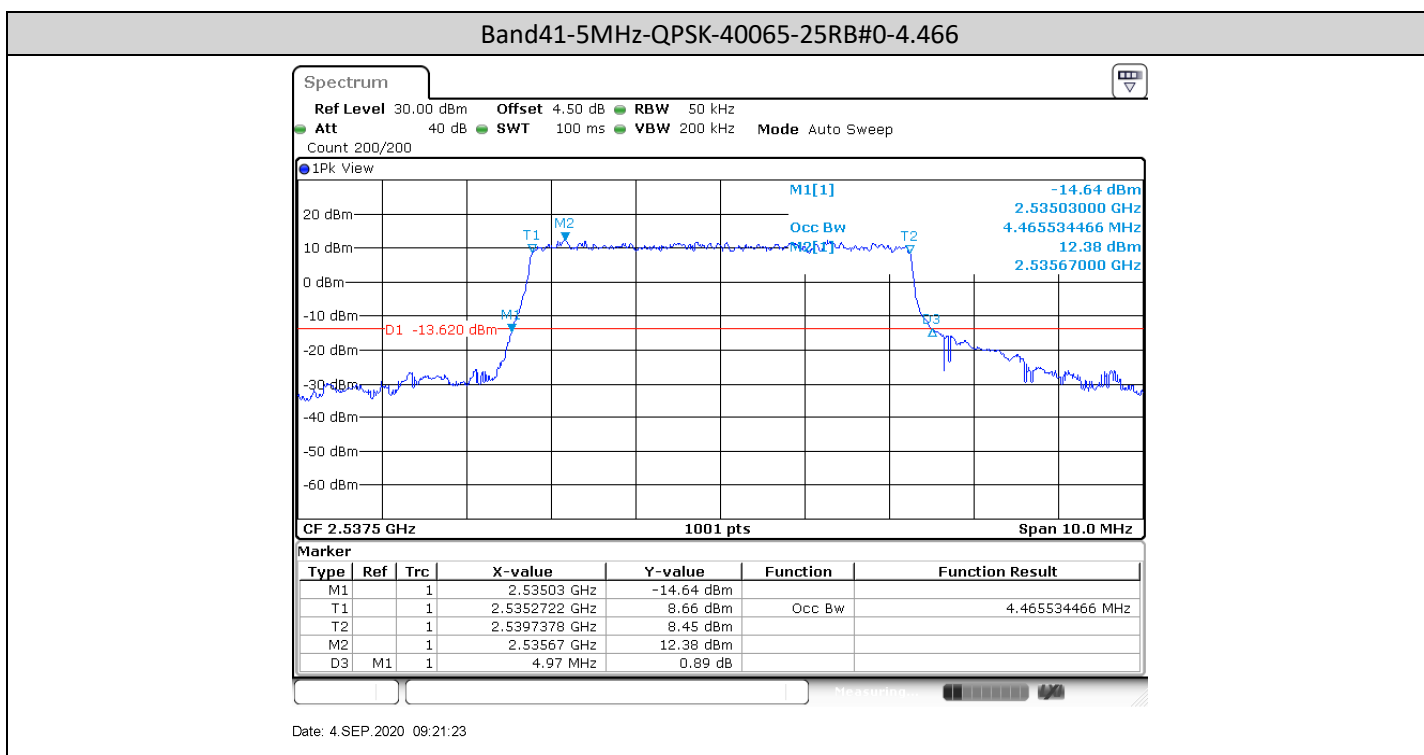


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



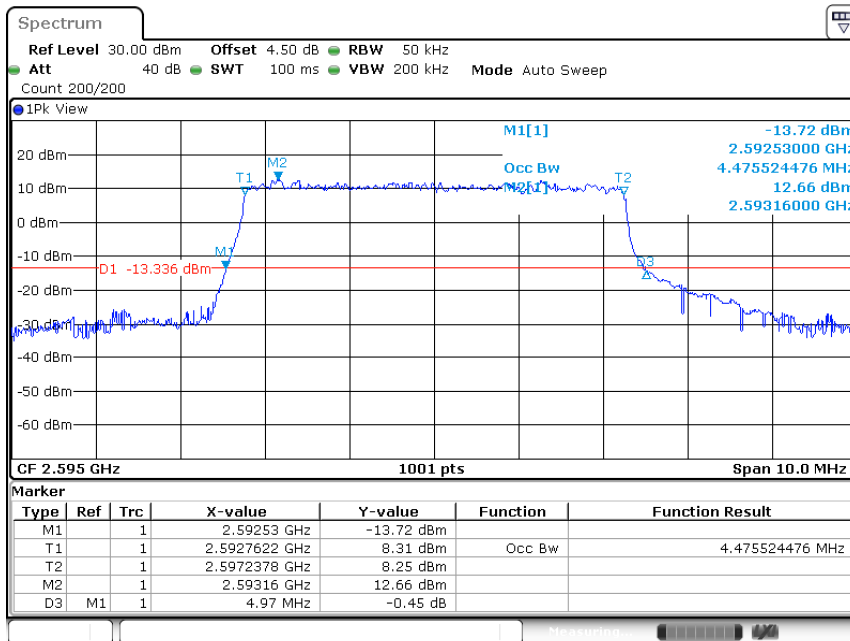
Band41	20MHz	64QAM	40640	100RB#0	17.902	19.800	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.902	19.720	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.902	19.840	PASS
Band41	20MHz	16QAM	40640	100RB#0	17.902	20.000	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.902	20.040	PASS

4.2. Test Plots



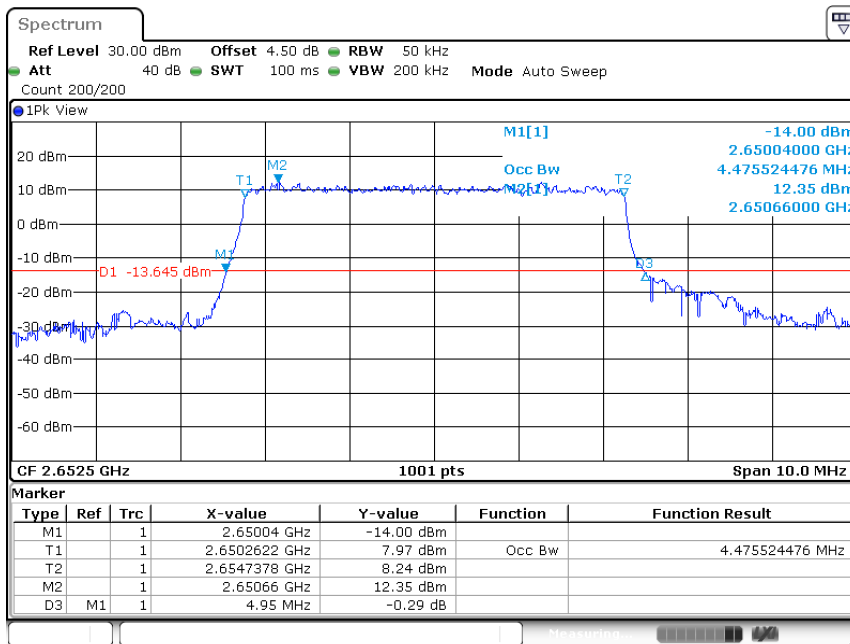


Band41-5MHz-QPSK-40640-25RB#0-4.476



Date: 4.SEP.2020 09:22:28

Band41-5MHz-QPSK-41215-25RB#0-4.476



Date: 4.SEP.2020 09:23:34

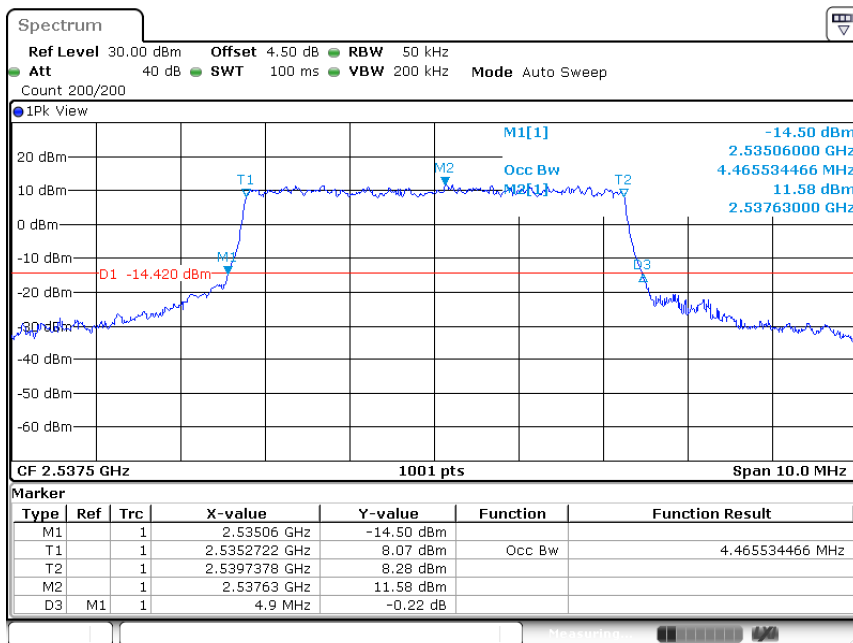


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

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

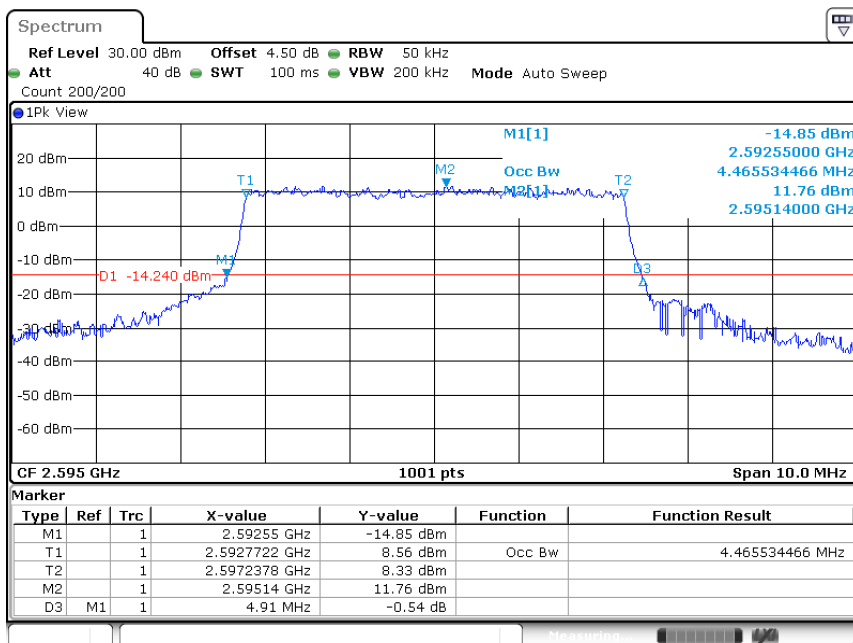
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-5MHz-64QAM-40065-25RB#0-4.466



Date: 4.SEP.2020 10:09:07

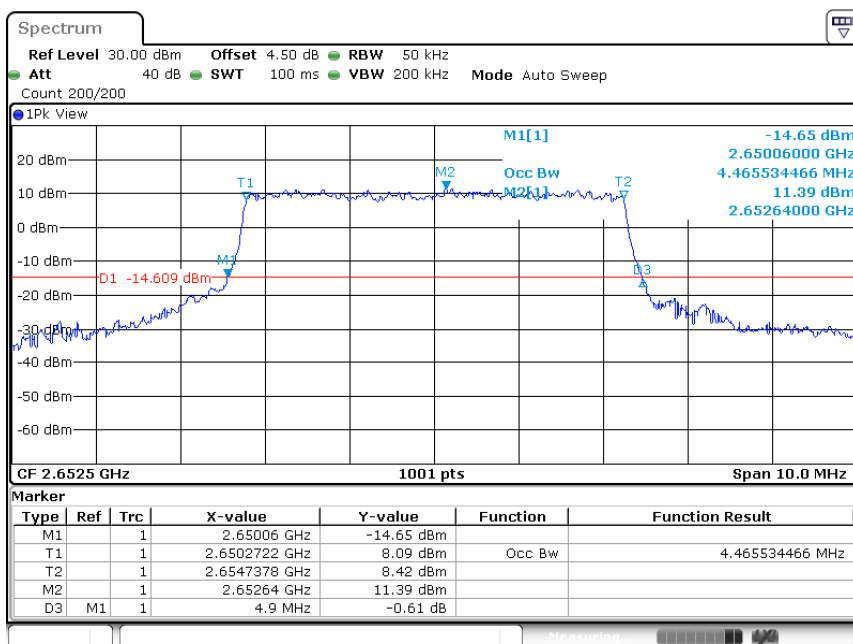
Band41-5MHz-64QAM-40640-25RB#0-4.466



Date: 4.SEP.2020 10:09:40

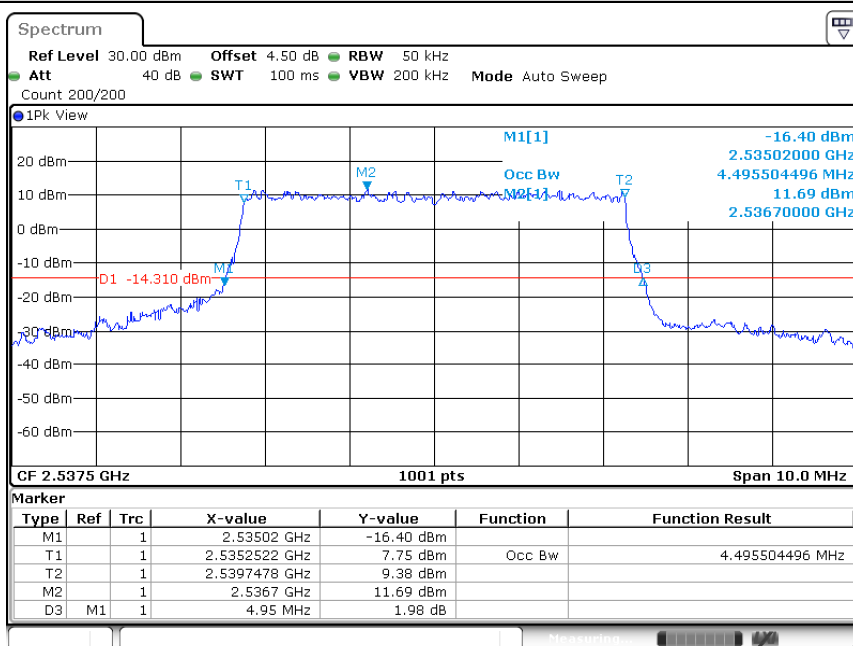


Band41-5MHz-64QAM-41215-25RB#0-4.466



Date: 4.SEP.2020 10:10:13

Band41-5MHz-16QAM-40065-25RB#0-4.496

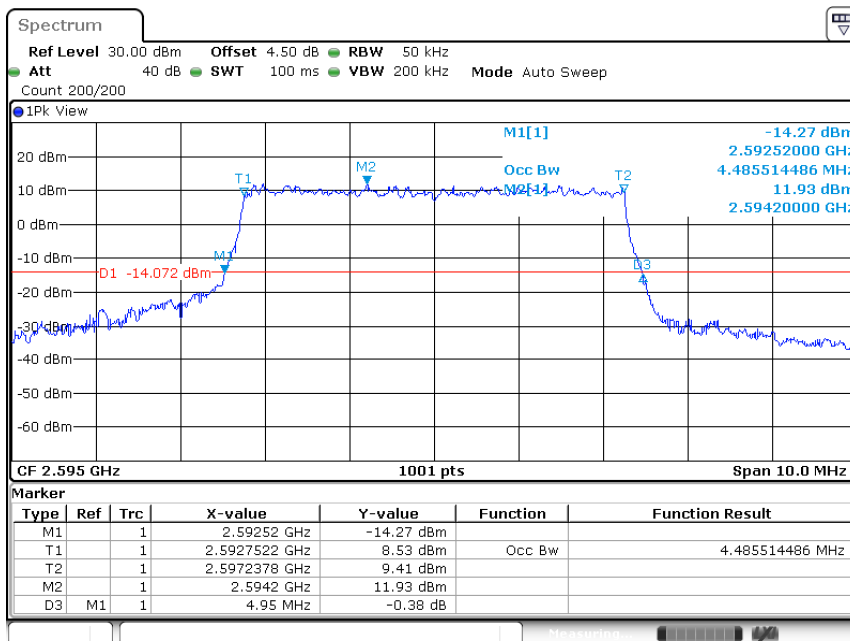


Date: 4.SEP.2020 09:21:55



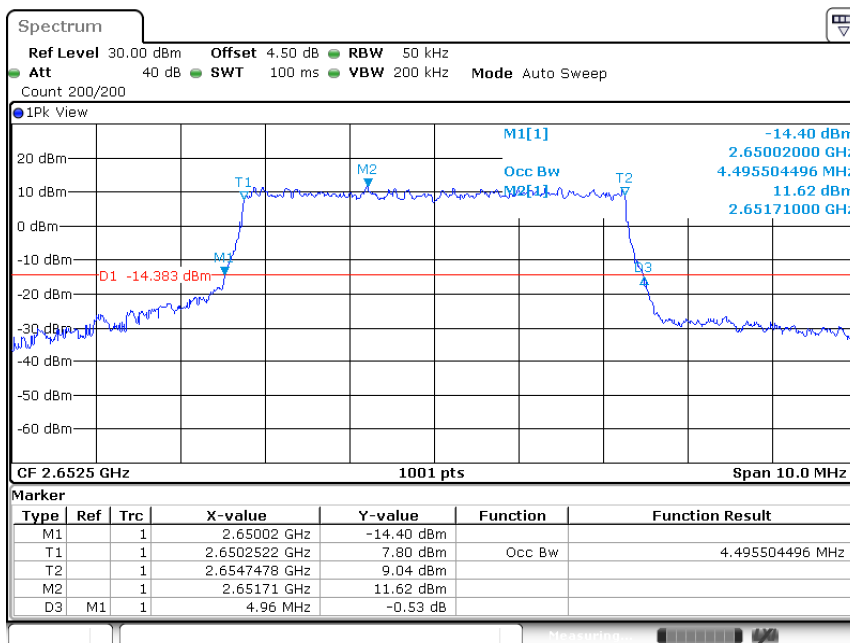


Band41-5MHz-16QAM-40640-25RB#0-4.486



Date: 4.SEP.2020 09:23:01

Band41-5MHz-16QAM-41215-25RB#0-4.496



Date: 4.SEP.2020 09:24:06



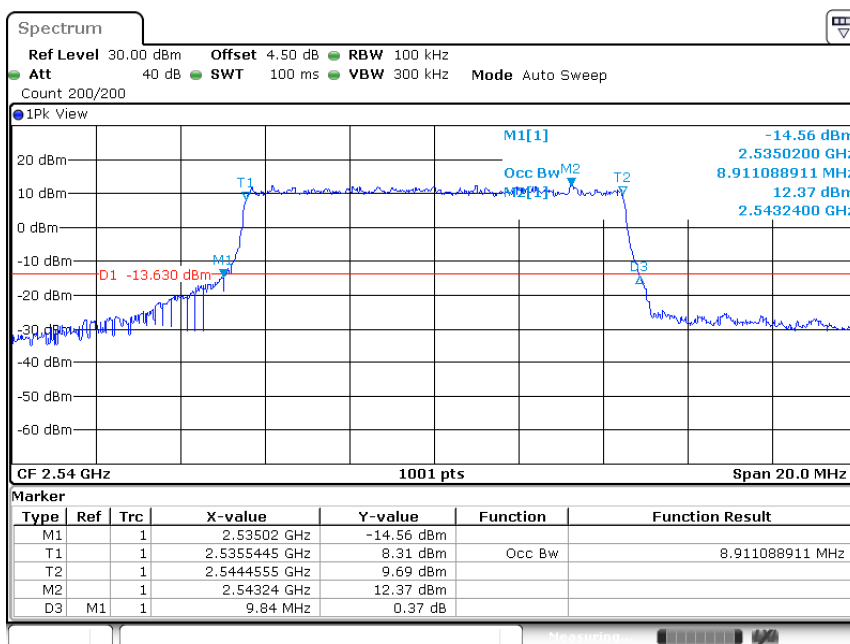
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAA Laboratory)

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

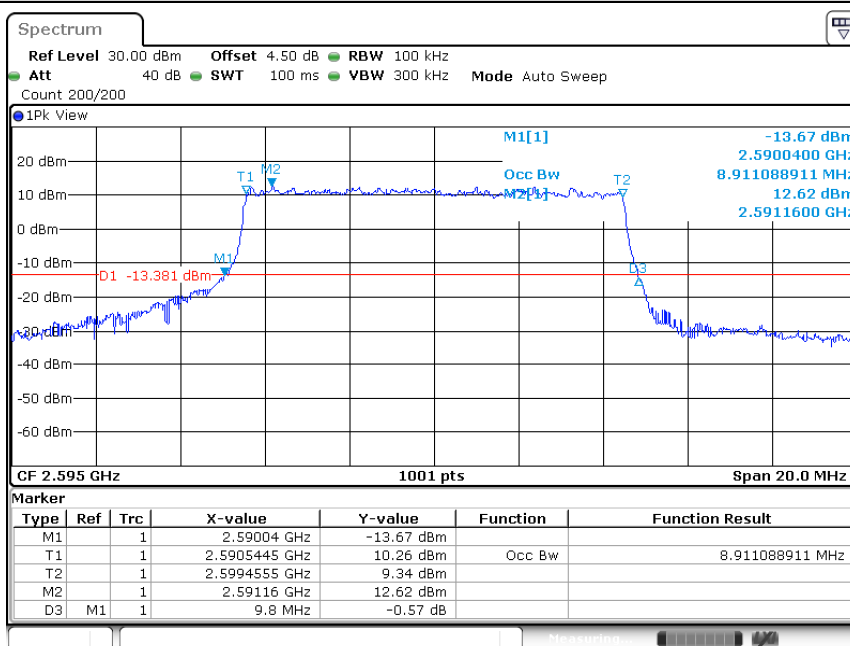


Band41-10MHz-QPSK-40090-50RB#0-8.911



Date: 4.SEP.2020 09:24:43

Band41-10MHz-QPSK-40640-50RB#0-8.911



Date: 4.SEP.2020 09:25:49

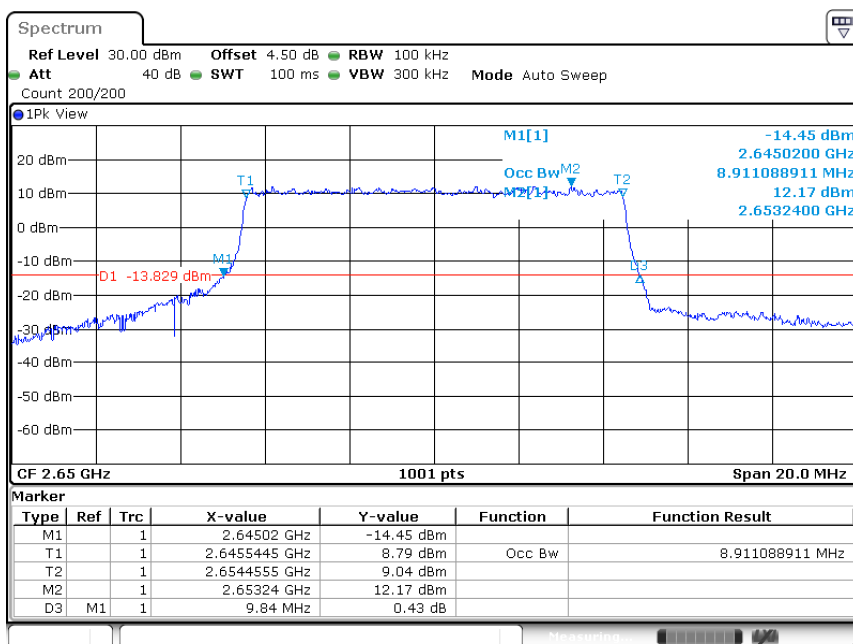


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

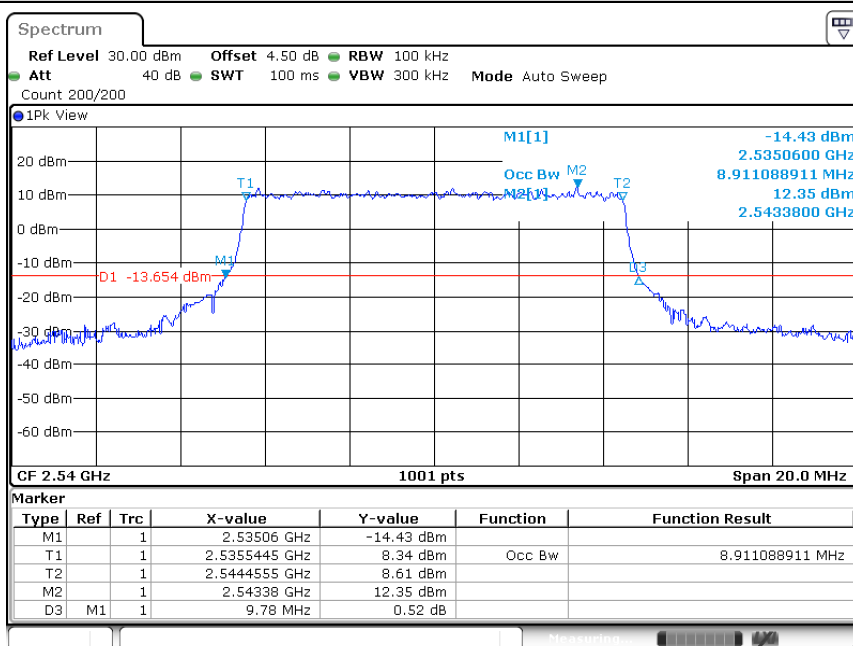
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-10MHz-QPSK-41190-50RB#0-8.911



Date: 4.SEP.2020 09:26:54

Band41-10MHz-64QAM-40090-50RB#0-8.911

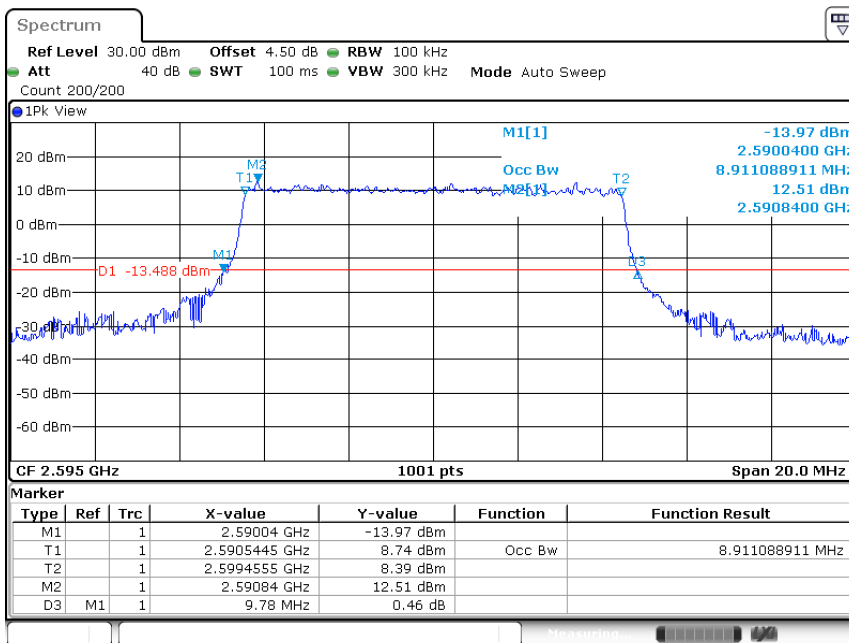


Date: 4.SEP.2020 10:10:51



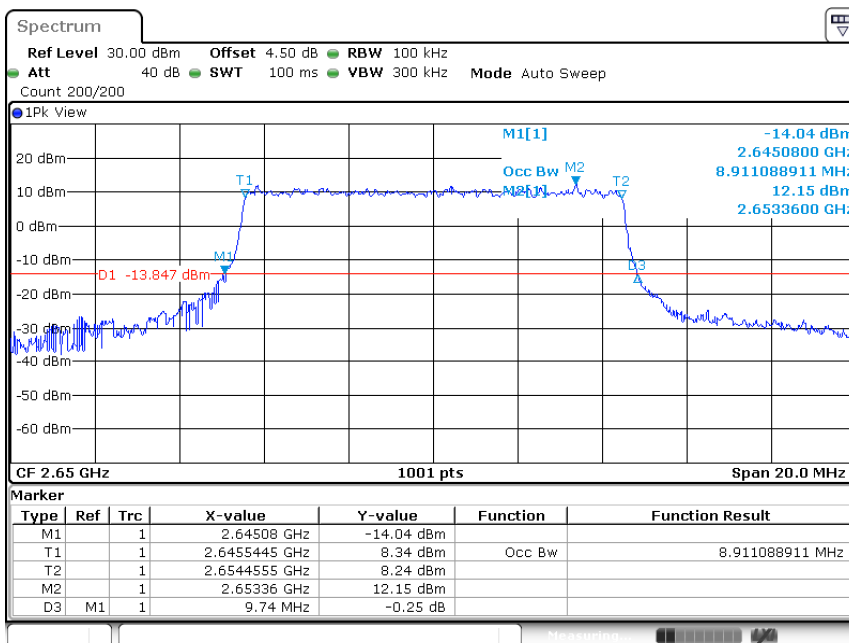


Band41-10MHz-64QAM-40640-50RB#0-8.911



Date: 4.SEP.2020 10:11:24

Band41-10MHz-64QAM-41190-50RB#0-8.911



Date: 4.SEP.2020 10:11:57

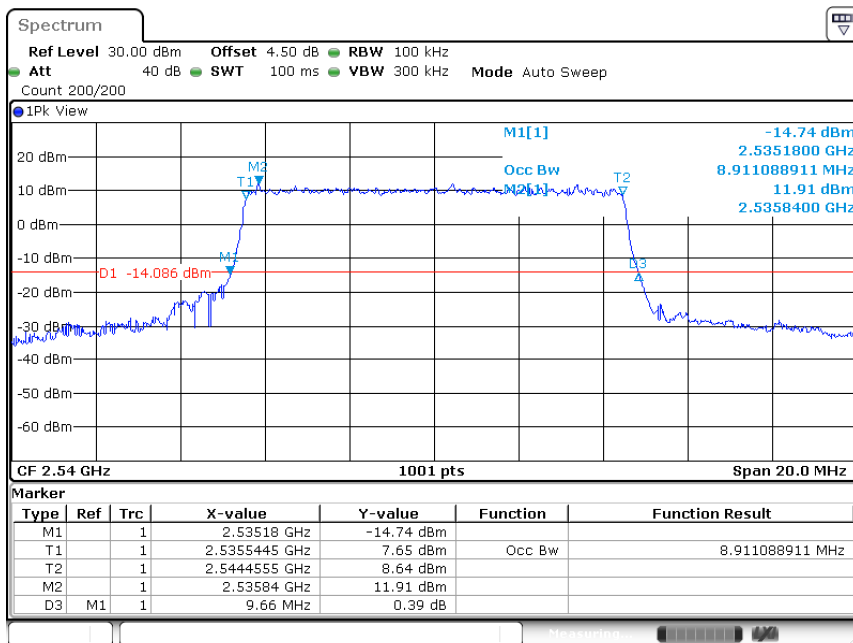


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

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

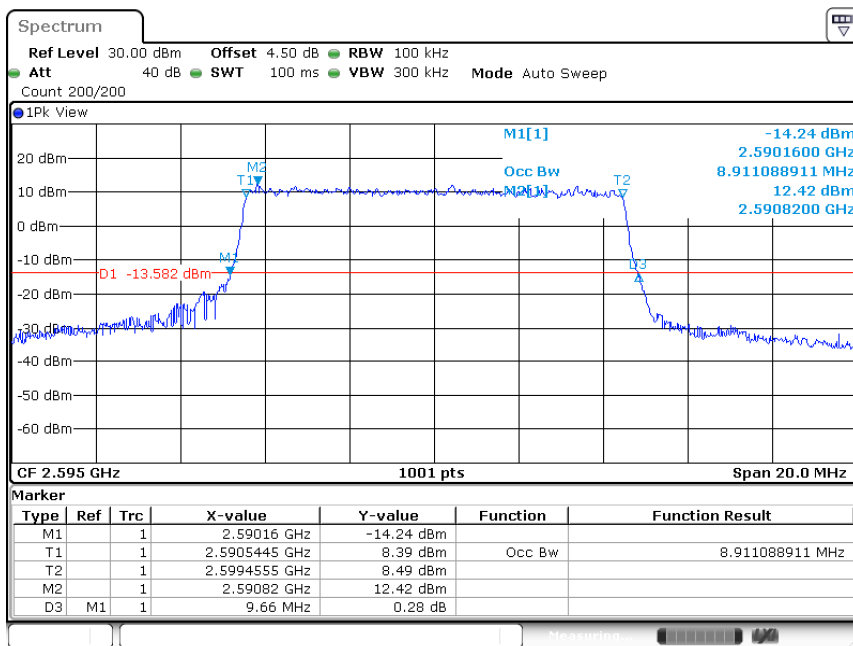
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-10MHz-16QAM-40090-50RB#0-8.911



Date: 4.SEP.2020 09:25:16

Band41-10MHz-16QAM-40640-50RB#0-8.911

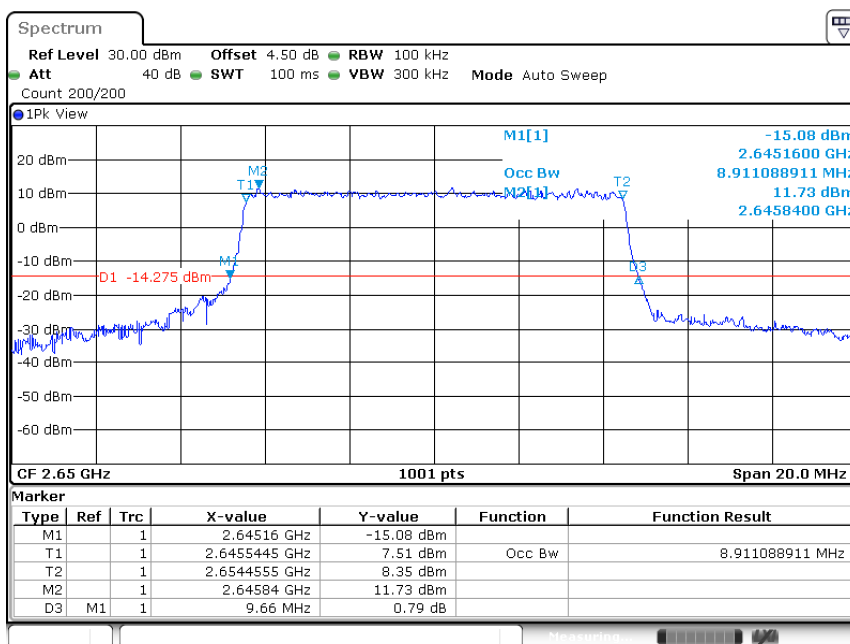


Date: 4.SEP.2020 09:26:21



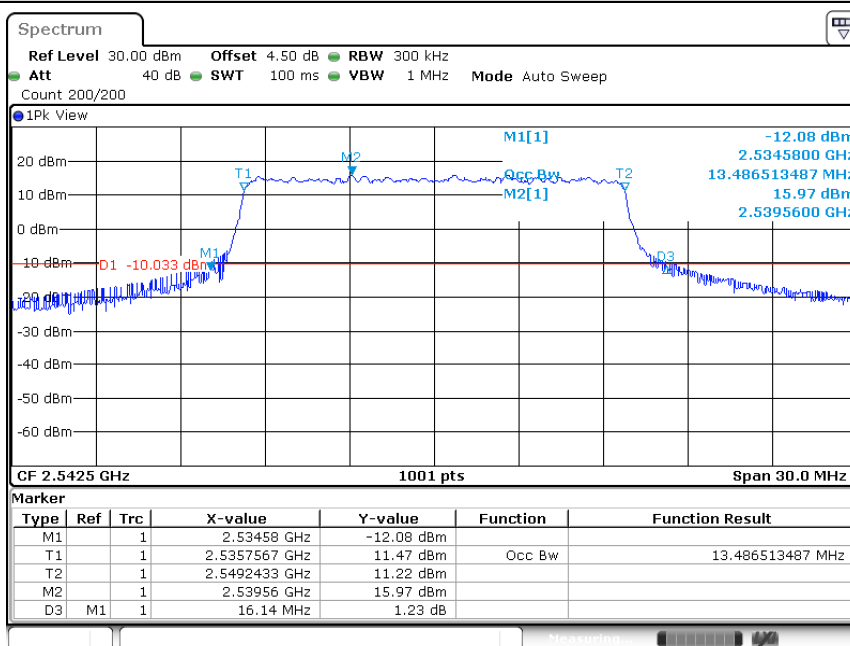


Band41-10MHz-16QAM-41190-50RB#0-8.911



Date: 4.SEP.2020 09:27:27

Band41-15MHz-QPSK-40115-75RB#0-13.487



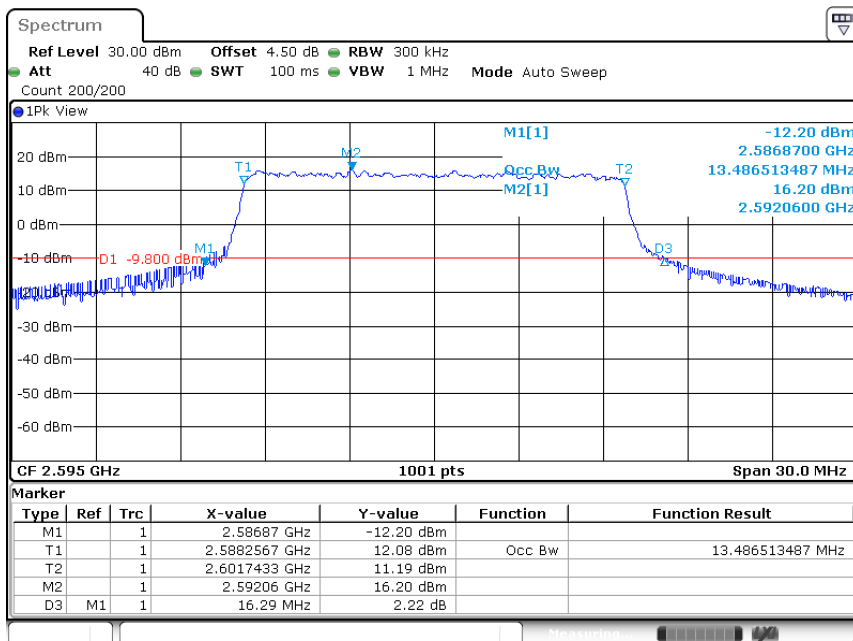
Date: 4.SEP.2020 09:28:04



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

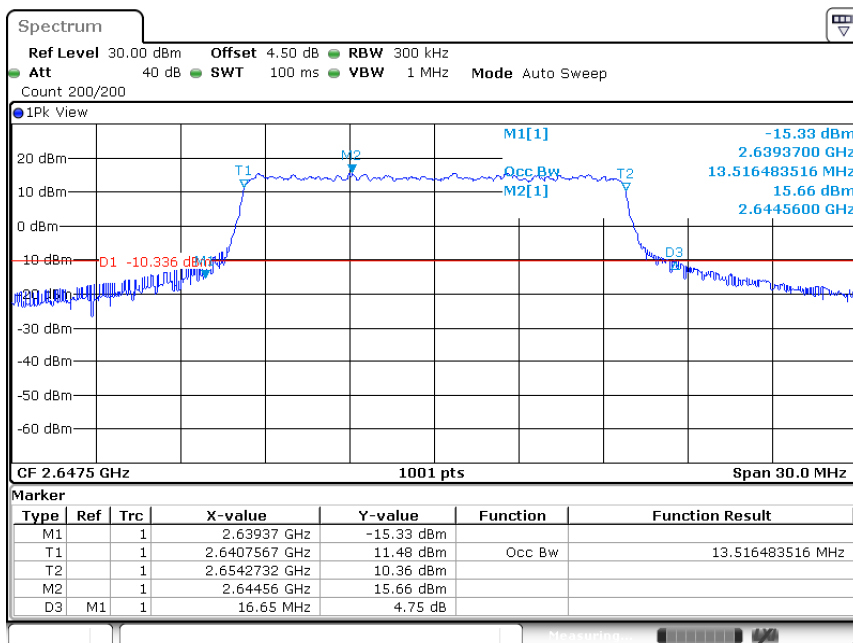
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-15MHz-QPSK-40640-75RB#0-13.487



Date: 4.SEP.2020 09:29:09

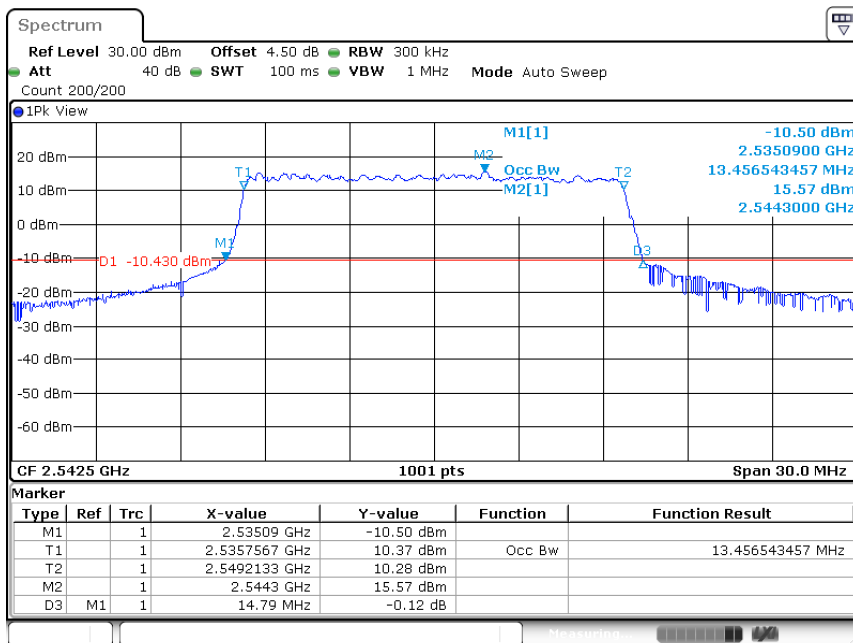
Band41-15MHz-QPSK-41165-75RB#0-13.516



Date: 4.SEP.2020 09:30:15

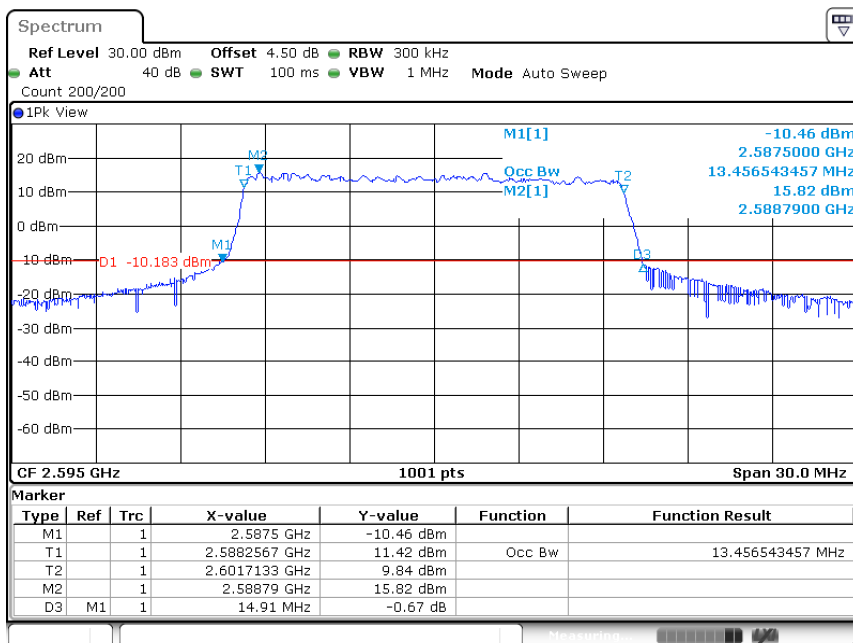


Band41-15MHz-64QAM-40115-75RB#0-13.457



Date: 4.SEP.2020 10:12:34

Band41-15MHz-64QAM-40640-75RB#0-13.457

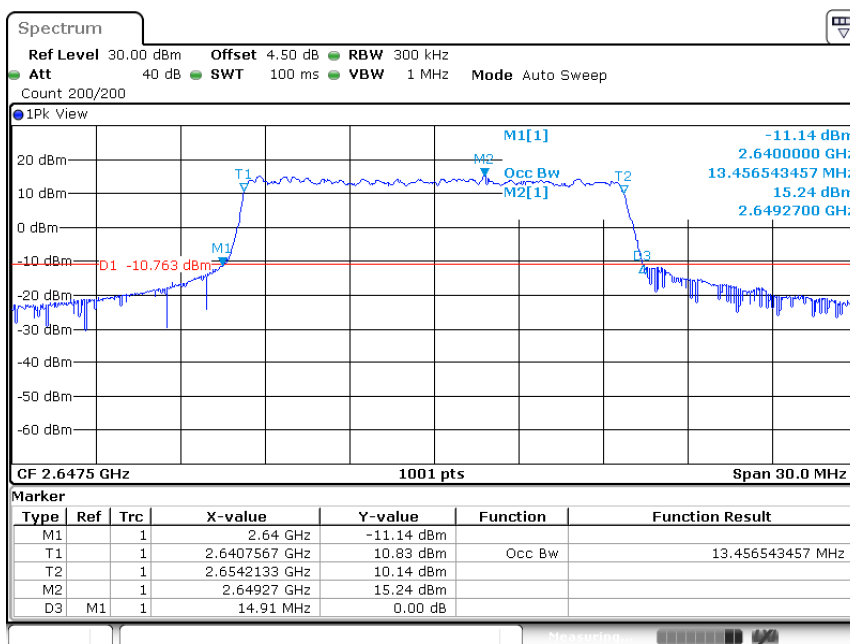


Date: 4.SEP.2020 10:13:07



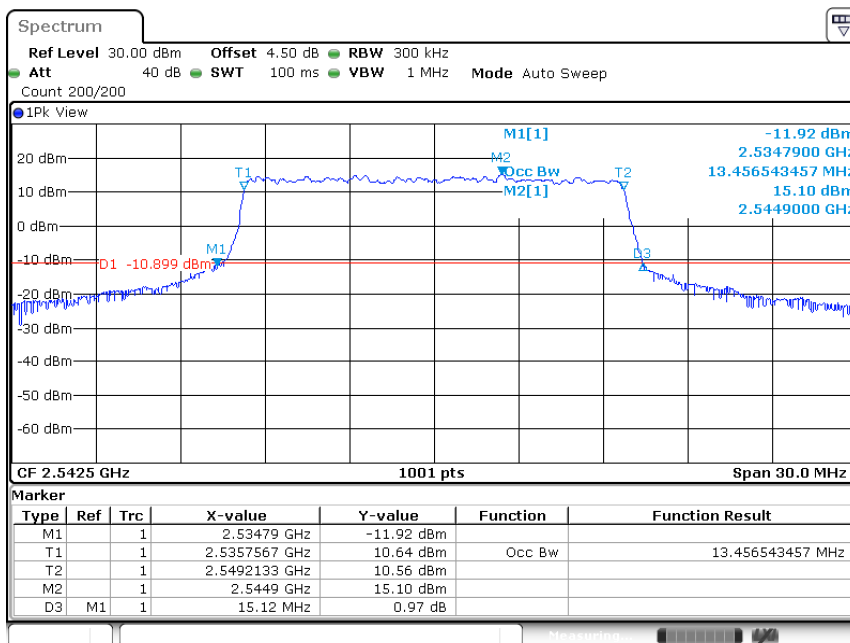


Band41-15MHz-64QAM-41165-75RB#0-13.457



Date: 4.SEP.2020 10:13:40

Band41-15MHz-16QAM-40115-75RB#0-13.457



Date: 4.SEP.2020 09:28:37



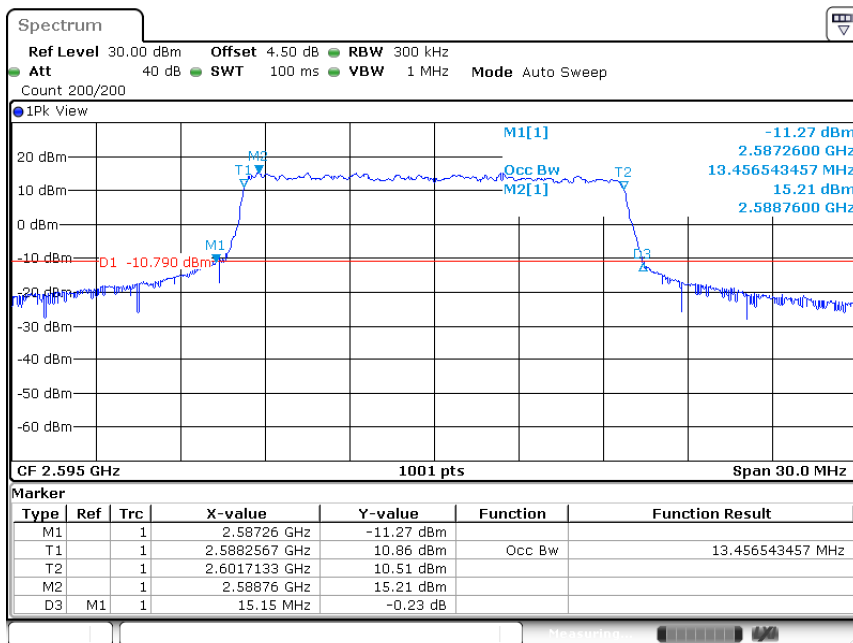
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

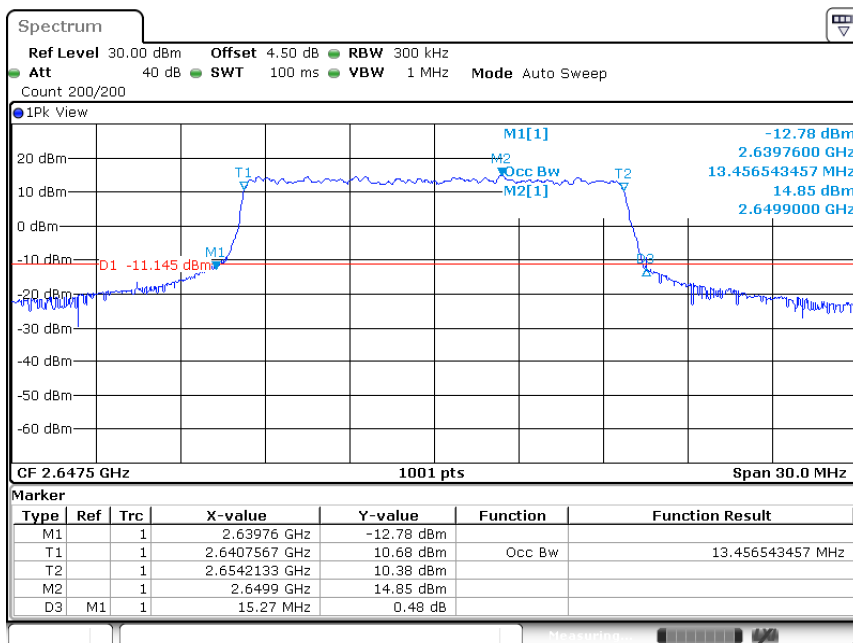


Band41-15MHz-16QAM-40640-75RB#0-13.457



Date: 4.SEP.2020 09:29:42

Band41-15MHz-16QAM-41165-75RB#0-13.457



Date: 4.SEP.2020 09:30:47



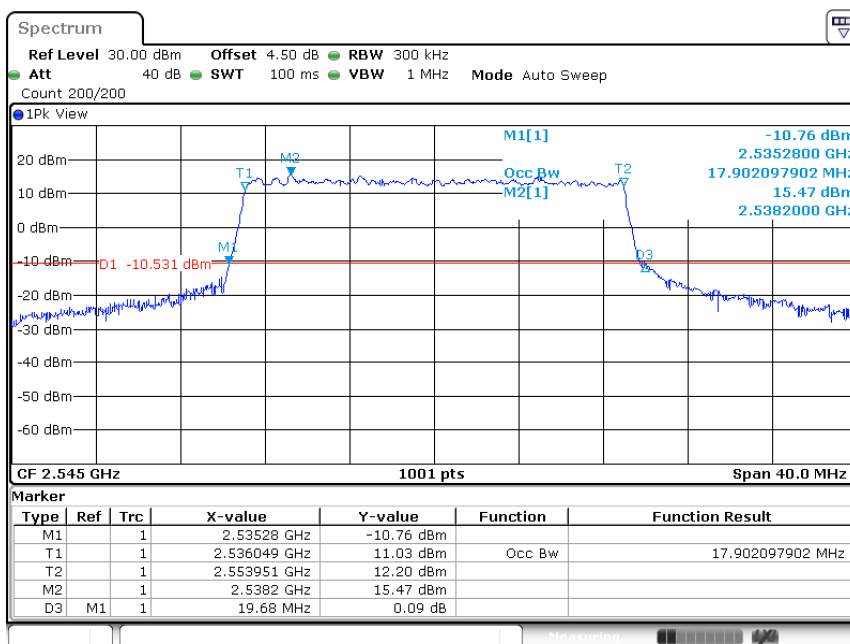
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

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

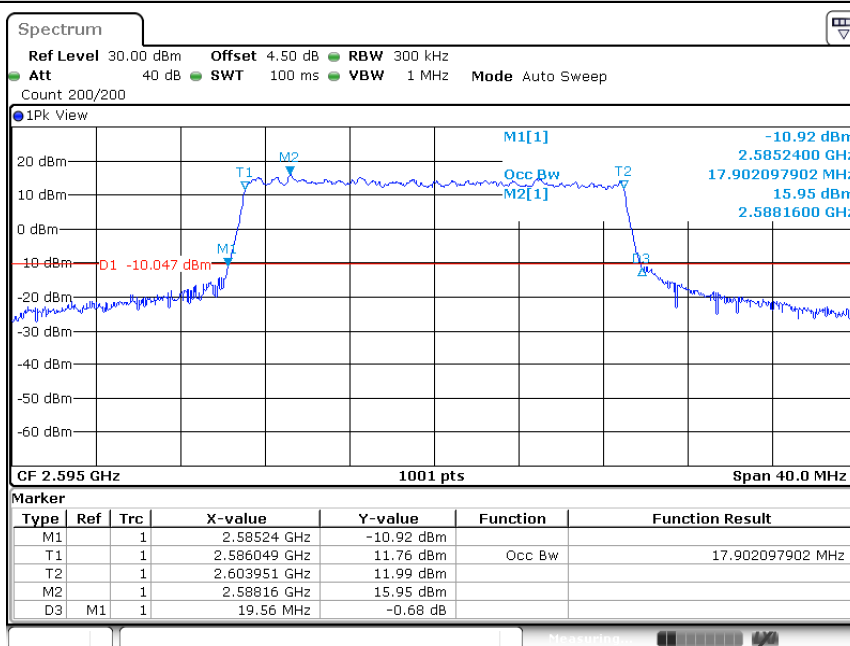


Band41-20MHz-QPSK-40140-100RB#0-17.902



Date: 4.SEP.2020 09:31:25

Band41-20MHz-QPSK-40640-100RB#0-17.902



Date: 4.SEP.2020 09:32:30



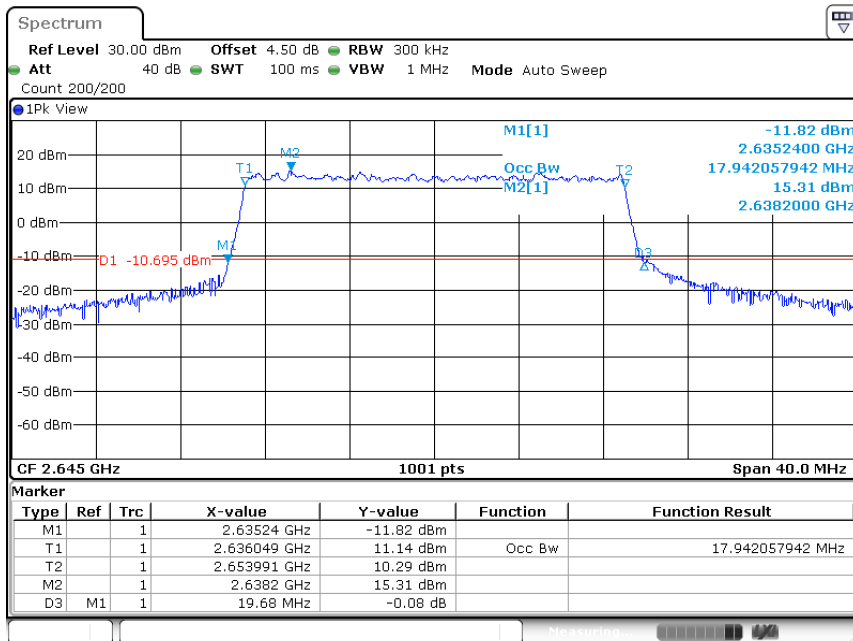
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

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

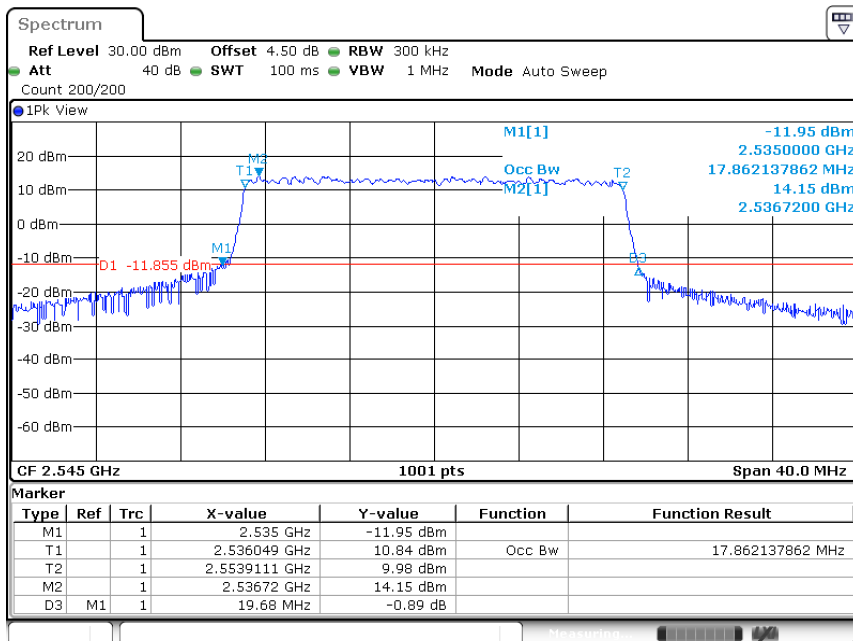


Band41-20MHz-QPSK-41140-100RB#0-17.942



Date: 4.SEP.2020 09:33:40

Band41-20MHz-64QAM-40140-100RB#0-17.862



Date: 4.SEP.2020 10:14:18



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

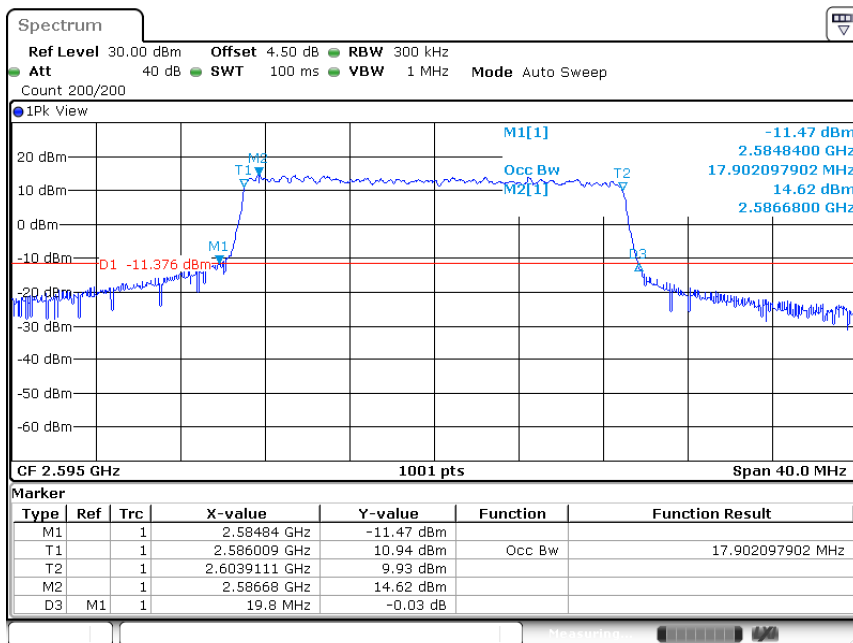
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

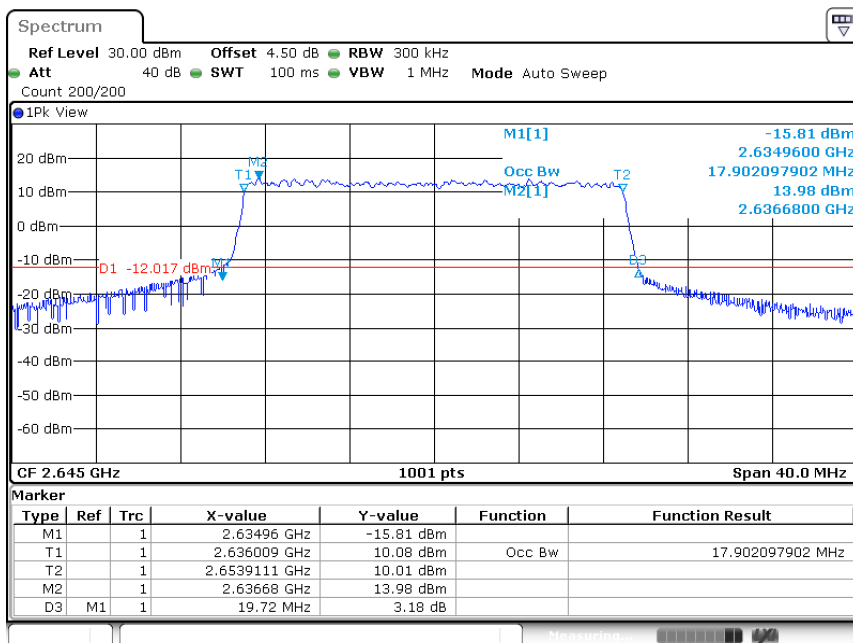


Band41-20MHz-64QAM-40640-100RB#0-17.902



Date: 4.SEP.2020 10:14:51

Band41-20MHz-64QAM-41140-100RB#0-17.902



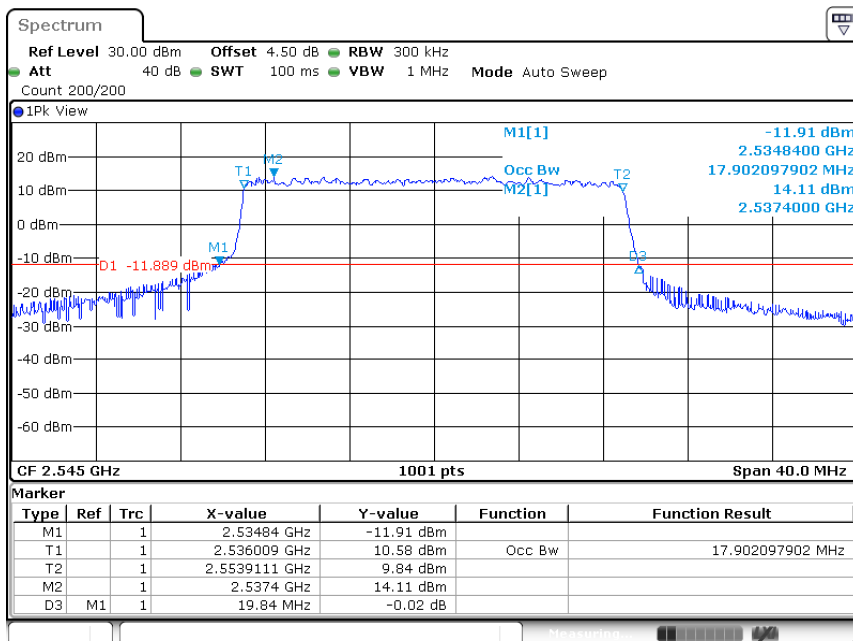
Date: 4.SEP.2020 10:15:24



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

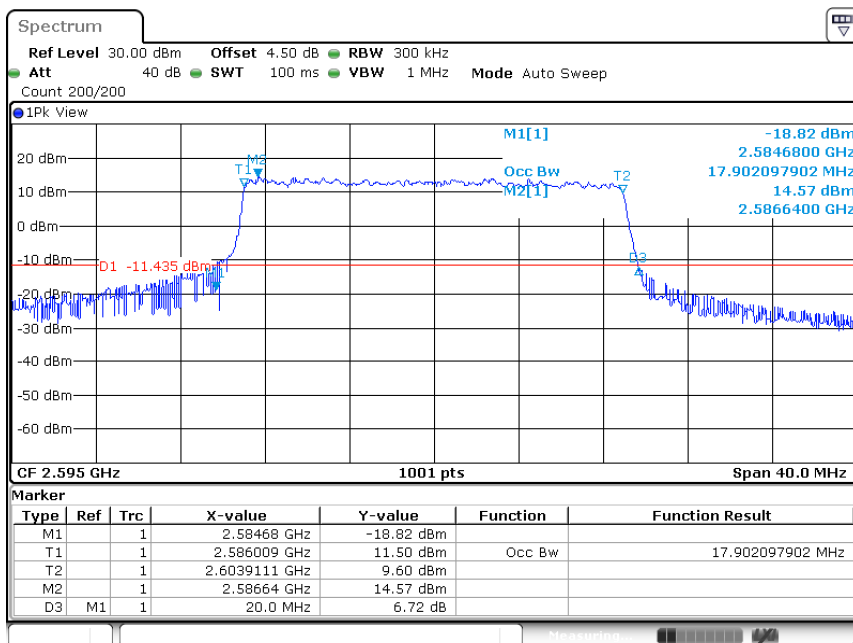
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-20MHz-16QAM-40140-100RB#0-17.902



Date: 4.SEP.2020 09:31:57

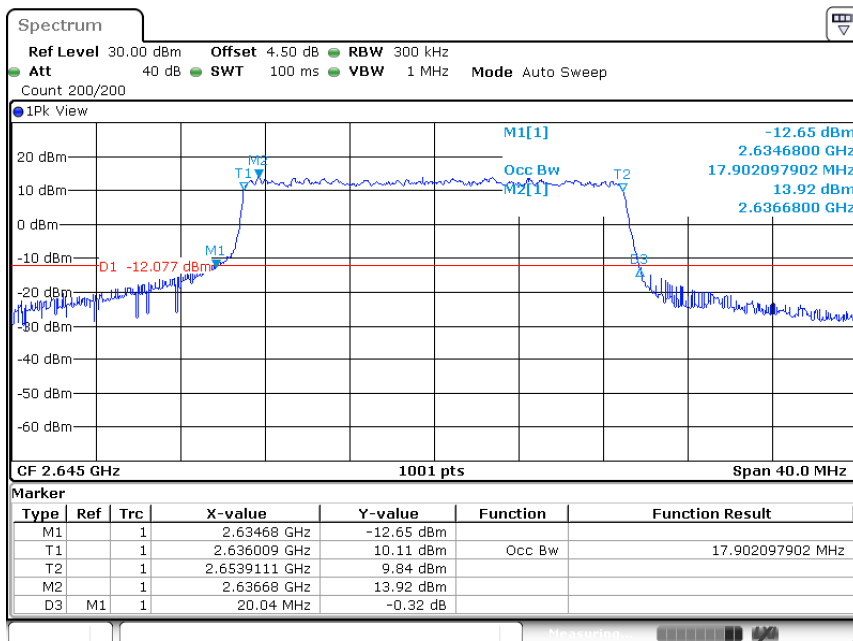
Band41-20MHz-16QAM-40640-100RB#0-17.902



Date: 4.SEP.2020 09:33:03



Band41-20MHz-16QAM-41140-100RB#0-17.902



Date: 4.SEP.2020 09:34:13





5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	-50.61,-49.51,-16.72	PASS
Band41	5MHz	QPSK	40065	25RB#0	-49.22,-47.39,-26.97	PASS
Band41	5MHz	QPSK	41215	1RB#24	-49.46,-49.97,-18.01	PASS
Band41	5MHz	QPSK	41215	25RB#0	-48.20,-47.35,-27.03	PASS
Band41	5MHz	64QAM	40065	1RB#0	-51.19,-51.58,-17.53	PASS
Band41	5MHz	64QAM	40065	25RB#0	-50.66,-48.35,-27.73	PASS
Band41	5MHz	64QAM	41215	1RB#24	-50.15,-51.25,-19.43	PASS
Band41	5MHz	64QAM	41215	25RB#0	-49.98,-49.09,-27.43	PASS
Band41	5MHz	16QAM	40065	1RB#0	-51.08,-50.23,-17.39	PASS
Band41	5MHz	16QAM	40065	25RB#0	-50.39,-48.15,-26.17	PASS
Band41	5MHz	16QAM	41215	1RB#24	-49.63,-50.41,-18.41	PASS
Band41	5MHz	16QAM	41215	25RB#0	-50.35,-49.00,-27.98	PASS
Band41	10MHz	QPSK	40090	1RB#0	-50.33,-47.80,-22.45	PASS
Band41	10MHz	QPSK	40090	50RB#0	-46.25,-40.11,-30.82	PASS
Band41	10MHz	QPSK	41190	1RB#49	-50.38,-46.87,-23.77	PASS
Band41	10MHz	QPSK	41190	50RB#0	-46.73,-35.65,-29.18	PASS
Band41	10MHz	64QAM	40090	1RB#0	-50.74,-48.97,-23.98	PASS
Band41	10MHz	64QAM	40090	50RB#0	-47.99,-41.47,-30.65	PASS
Band41	10MHz	64QAM	41190	1RB#49	-50.64,-48.35,-23.30	PASS
Band41	10MHz	64QAM	41190	50RB#0	-47.64,-38.98,-30.60	PASS
Band41	10MHz	16QAM	40090	1RB#0	-50.69,-47.33,-23.06	PASS
Band41	10MHz	16QAM	40090	50RB#0	-47.65,-41.41,-31.16	PASS
Band41	10MHz	16QAM	41190	1RB#49	-50.49,-47.28,-22.83	PASS
Band41	10MHz	16QAM	41190	50RB#0	-47.25,-38.87,-31.05	PASS
Band41	15MHz	QPSK	40115	1RB#0	-46.46,-39.57,-23.55	PASS
Band41	15MHz	QPSK	40115	75RB#0	-47.61,-38.67,-33.24	PASS
Band41	15MHz	QPSK	41165	1RB#74	-47.54,-44.18,-22.83	PASS
Band41	15MHz	QPSK	41165	75RB#0	-46.69,-33.92,-29.68	PASS
Band41	15MHz	64QAM	40115	1RB#0	-46.76,-40.52,-23.57	PASS
Band41	15MHz	64QAM	40115	75RB#0	-47.47,-40.56,-33.79	PASS
Band41	15MHz	64QAM	41165	1RB#74	-47.58,-44.99,-25.54	PASS
Band41	15MHz	64QAM	41165	75RB#0	-46.67,-37.07,-32.62	PASS



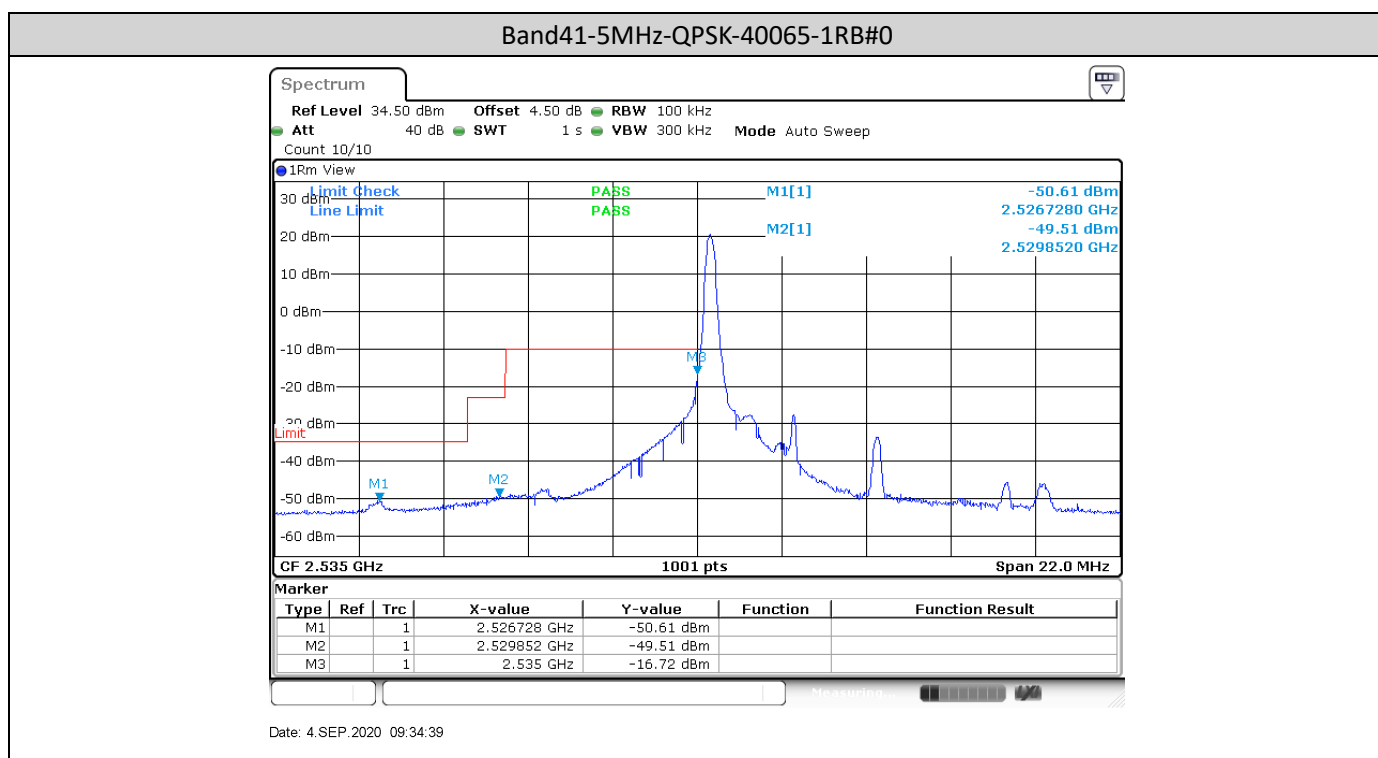
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



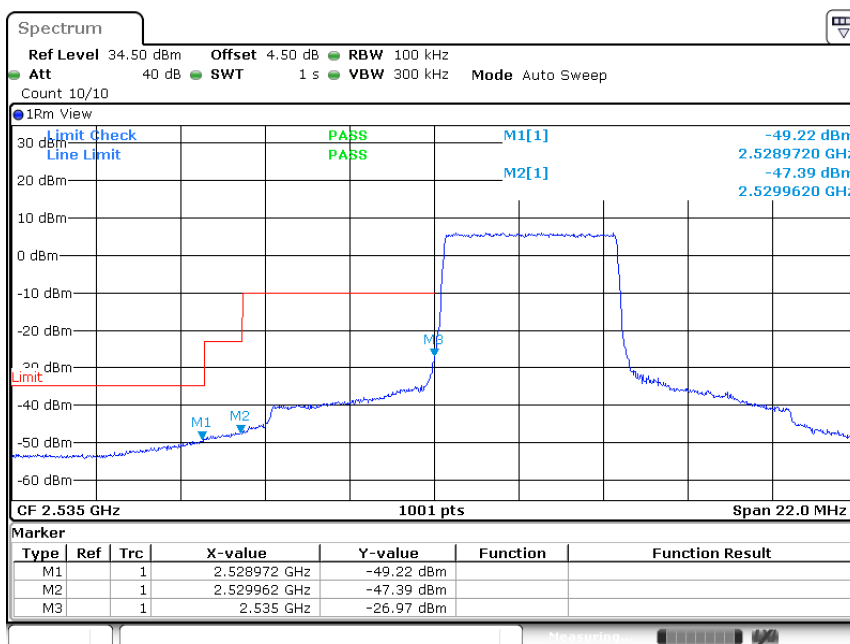
Band41	15MHz	16QAM	40115	1RB#0	-46.71,-40.69,-24.21	PASS
Band41	15MHz	16QAM	40115	75RB#0	-47.63,-40.16,-33.10	PASS
Band41	15MHz	16QAM	41165	1RB#74	-47.51,-43.47,-23.35	PASS
Band41	15MHz	16QAM	41165	75RB#0	-46.66,-37.14,-32.44	PASS
Band41	20MHz	QPSK	40140	1RB#0	-46.94,-40.81,-21.24	PASS
Band41	20MHz	QPSK	40140	100RB#0	-45.40,-34.70,-32.33	PASS
Band41	20MHz	QPSK	41140	1RB#99	-46.69,-41.43,-20.60	PASS
Band41	20MHz	QPSK	41140	100RB#0	-44.95,-31.85,-29.28	PASS
Band41	20MHz	64QAM	40140	1RB#0	-47.15,-41.40,-20.82	PASS
Band41	20MHz	64QAM	40140	100RB#0	-46.24,-38.05,-33.79	PASS
Band41	20MHz	64QAM	41140	1RB#99	-46.79,-42.12,-22.18	PASS
Band41	20MHz	64QAM	41140	100RB#0	-45.29,-35.39,-31.76	PASS
Band41	20MHz	16QAM	40140	1RB#0	-46.93,-41.09,-21.26	PASS
Band41	20MHz	16QAM	40140	100RB#0	-46.24,-37.83,-32.39	PASS
Band41	20MHz	16QAM	41140	1RB#99	-46.39,-40.81,-22.81	PASS
Band41	20MHz	16QAM	41140	100RB#0	-45.46,-34.93,-31.93	PASS

5.2. Test Plots



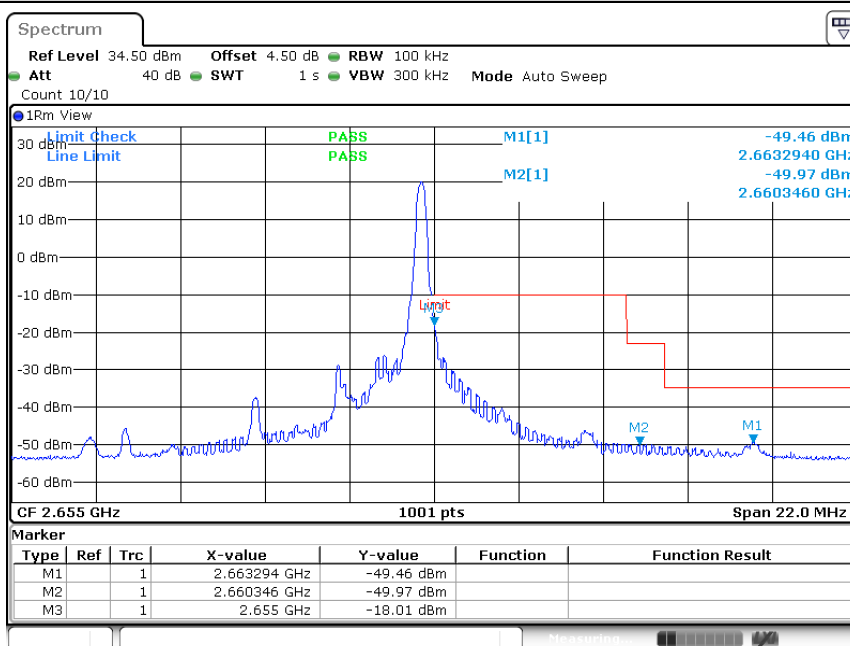


Band41-5MHz-QPSK-40065-25RB#0



Date: 4.SEP.2020 09:36:14

Band41-5MHz-QPSK-41215-1RB#24



Date: 4.SEP.2020 09:35:27



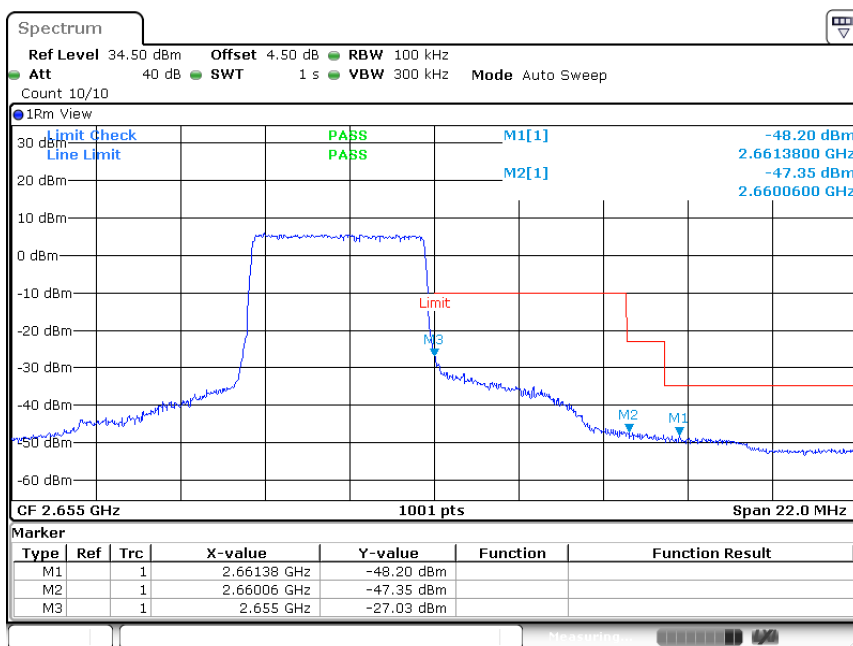
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

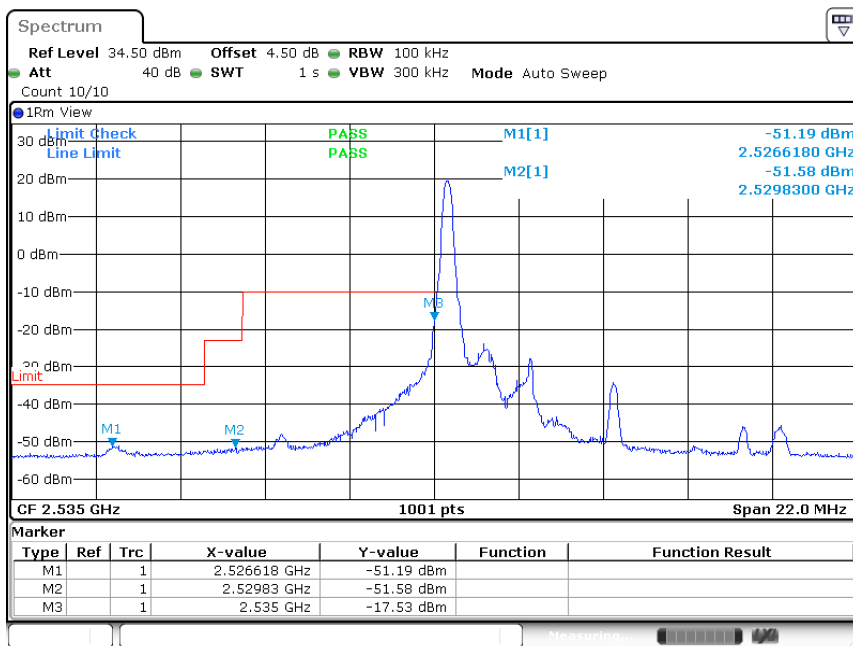
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-5MHz-QPSK-41215-25RB#0



Date: 4.SEP.2020 09:36:58

Band41-5MHz-64QAM-40065-1RB#0

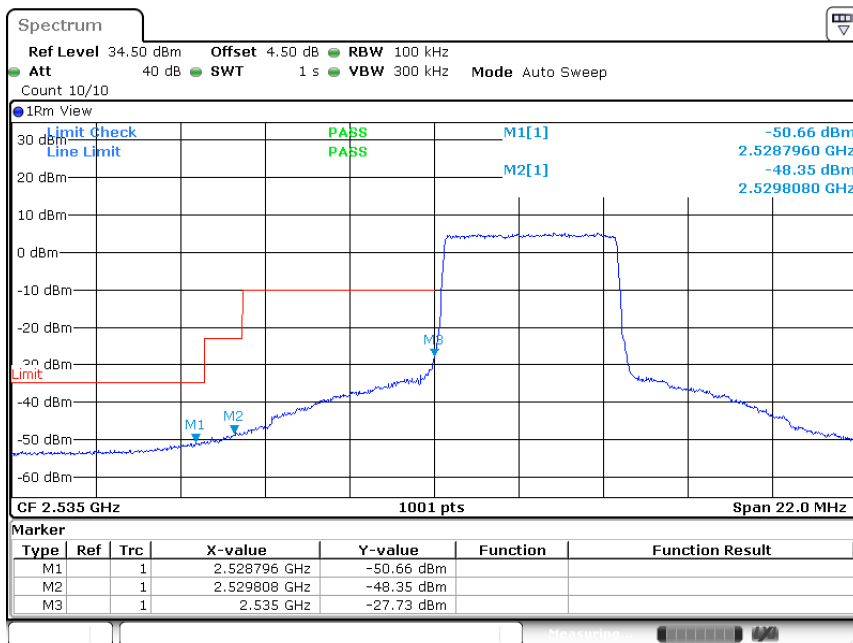


Date: 4.SEP.2020 10:15:51



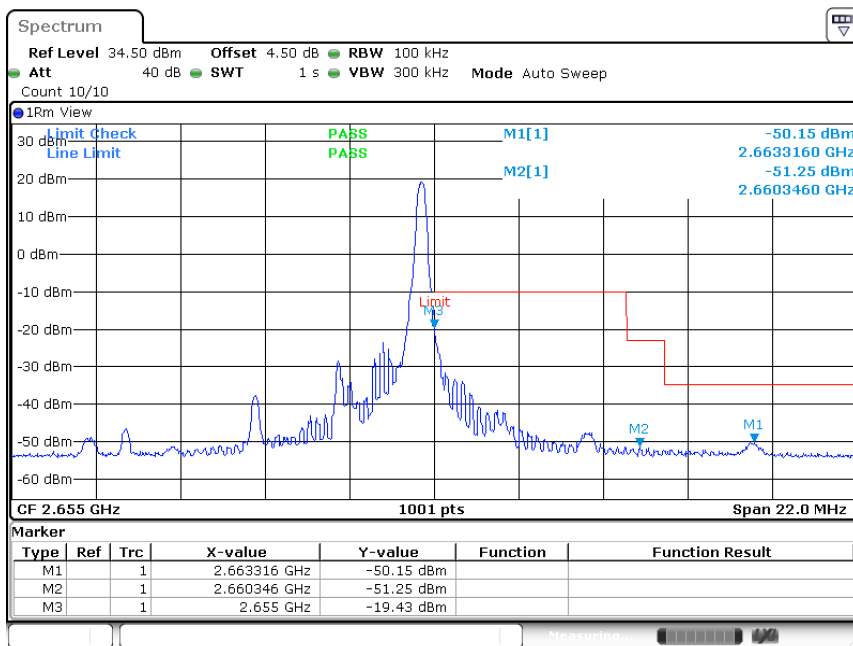


Band41-5MHz-64QAM-40065-25RB#0



Date: 4.SEP.2020 10:16:46

Band41-5MHz-64QAM-41215-1RB#24



Date: 4.SEP.2020 10:16:17

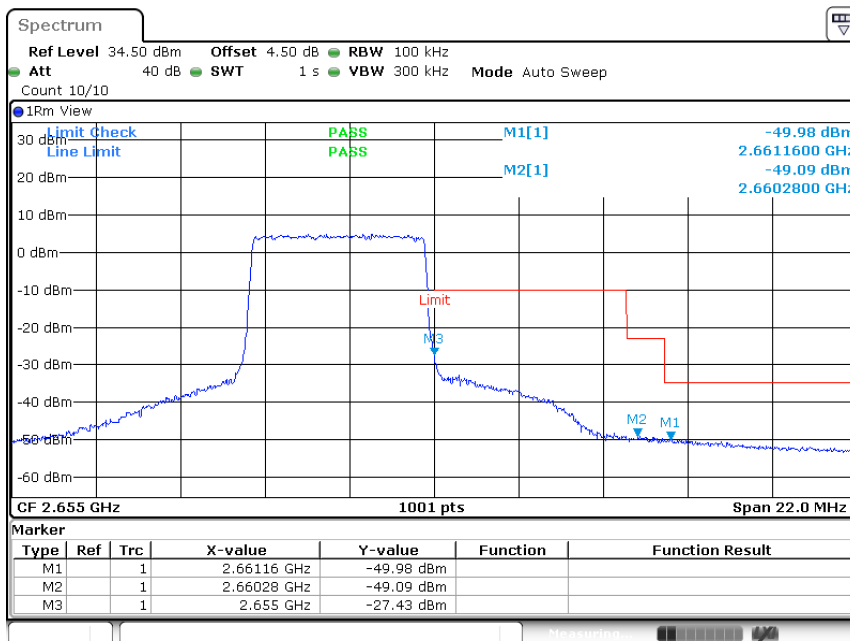


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

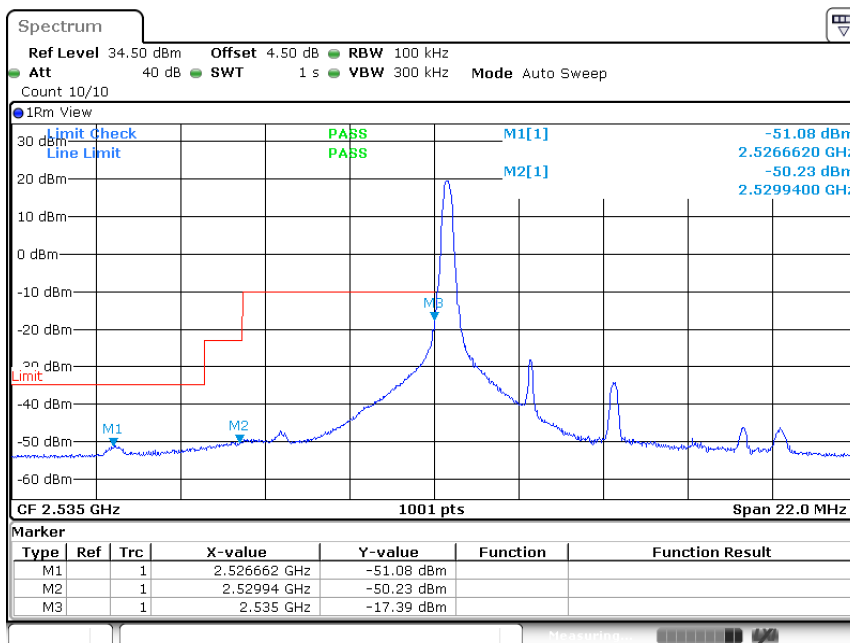


Band41-5MHz-64QAM-41215-25RB#0



Date: 4.SEP.2020 10:17:08

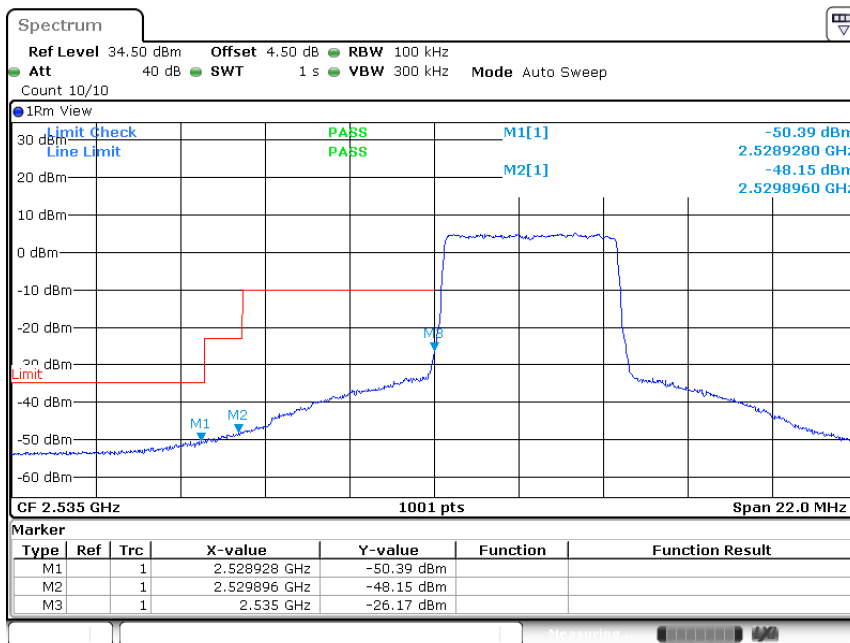
Band41-5MHz-16QAM-40065-1RB#0



Date: 4.SEP.2020 09:35:01

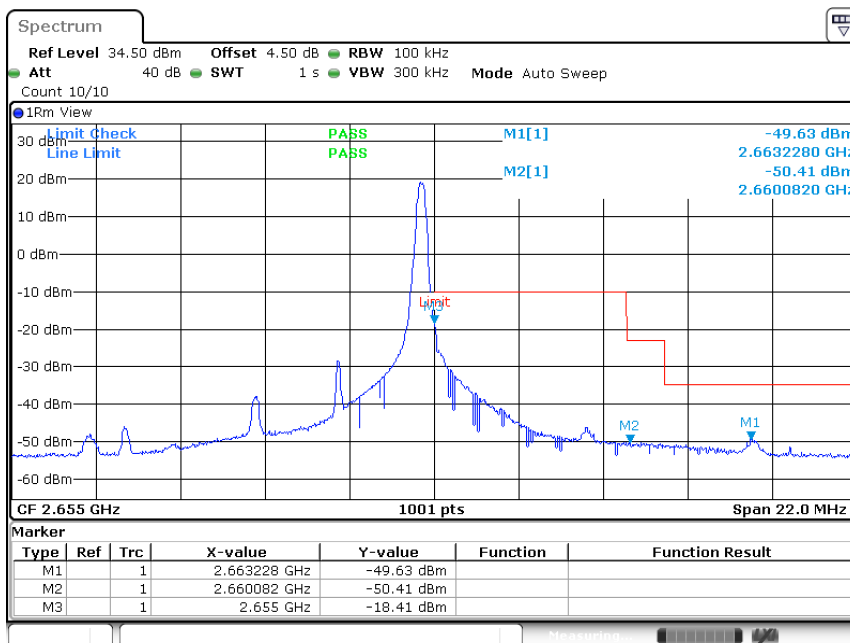


Band41-5MHz-16QAM-40065-25RB#0



Date: 4.SEP.2020 09:36:36

Band41-5MHz-16QAM-41215-1RB#24



Date: 4.SEP.2020 09:35:48

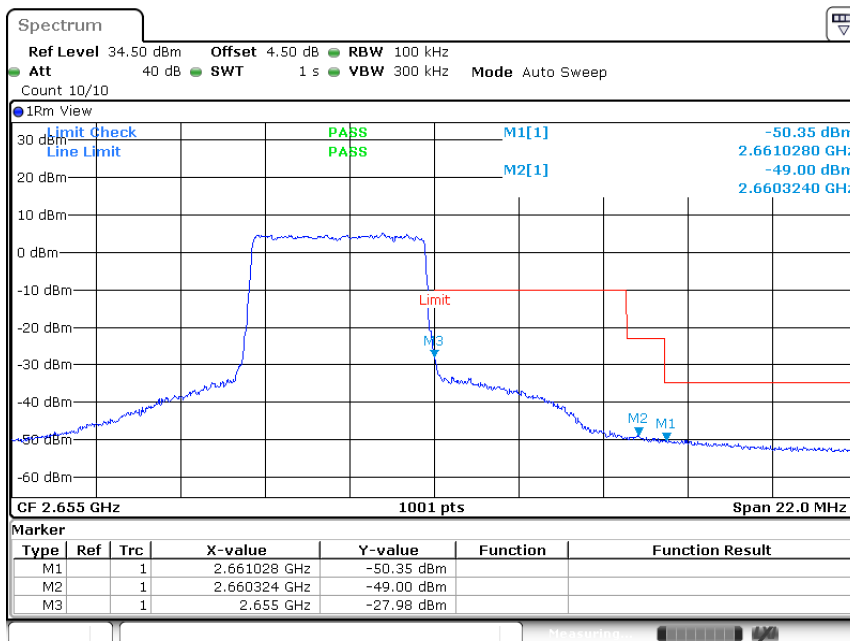


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

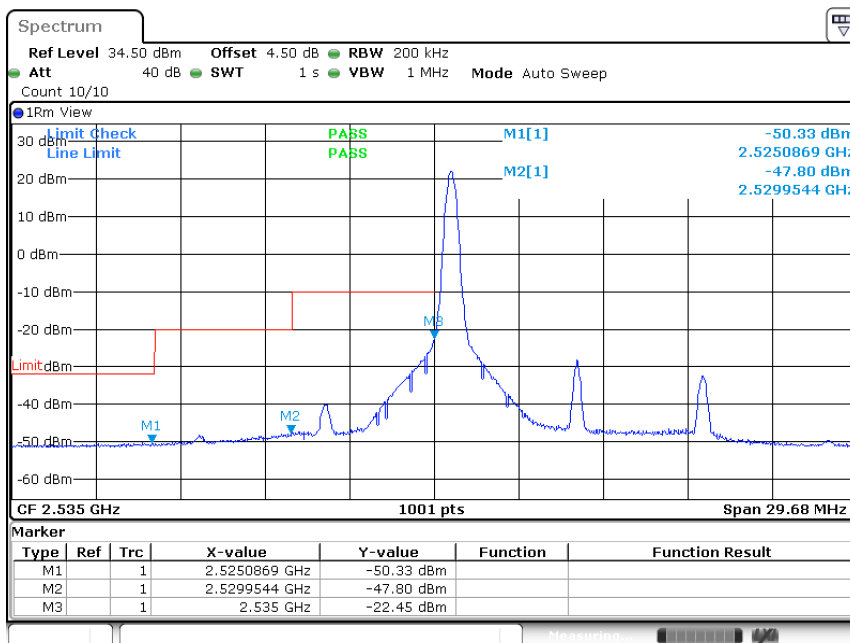


Band41-5MHz-16QAM-41215-25RB#0



Date: 4.SEP.2020 09:37:19

Band41-10MHz-QPSK-40090-1RB#0



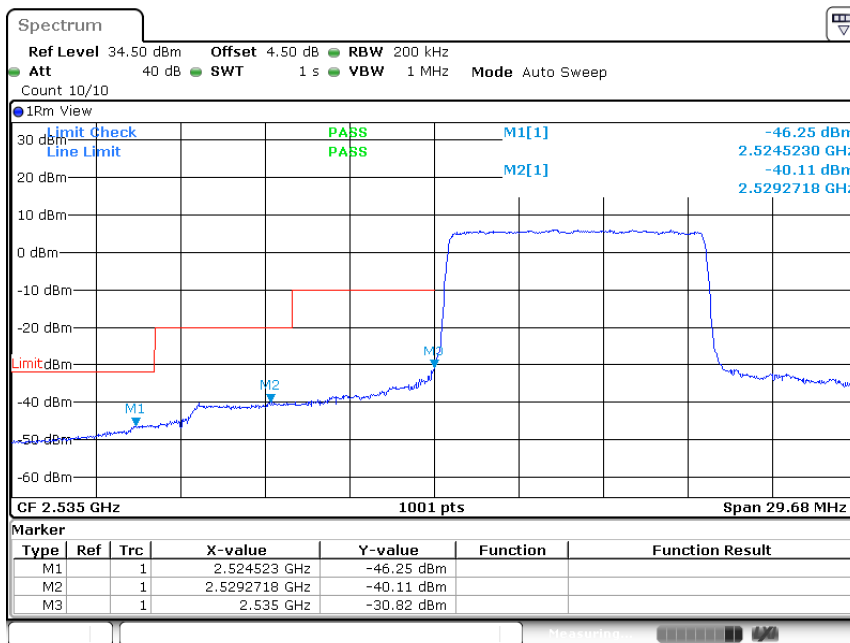
Date: 4.SEP.2020 09:37:46



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

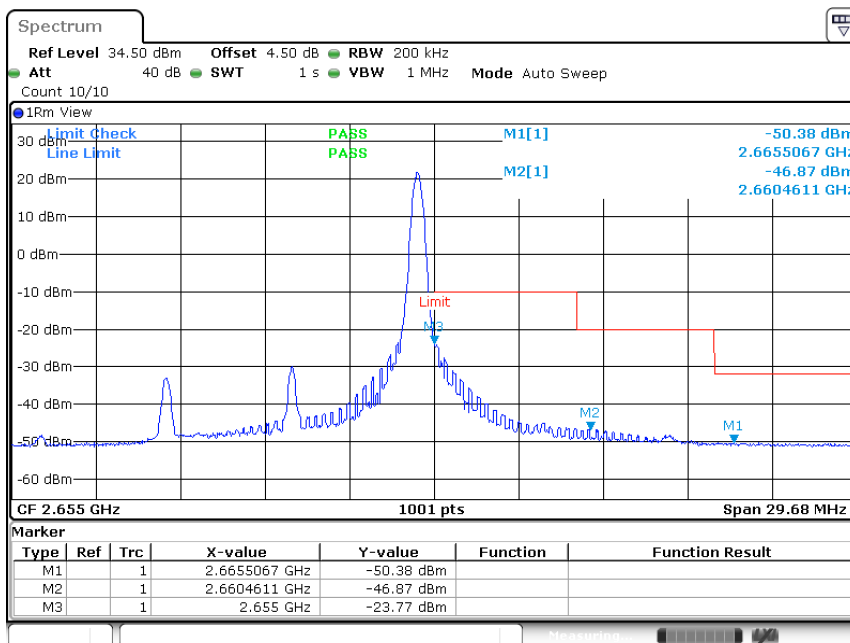
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-10MHz-QPSK-40090-50RB#0



Date: 4.SEP.2020 09:39:57

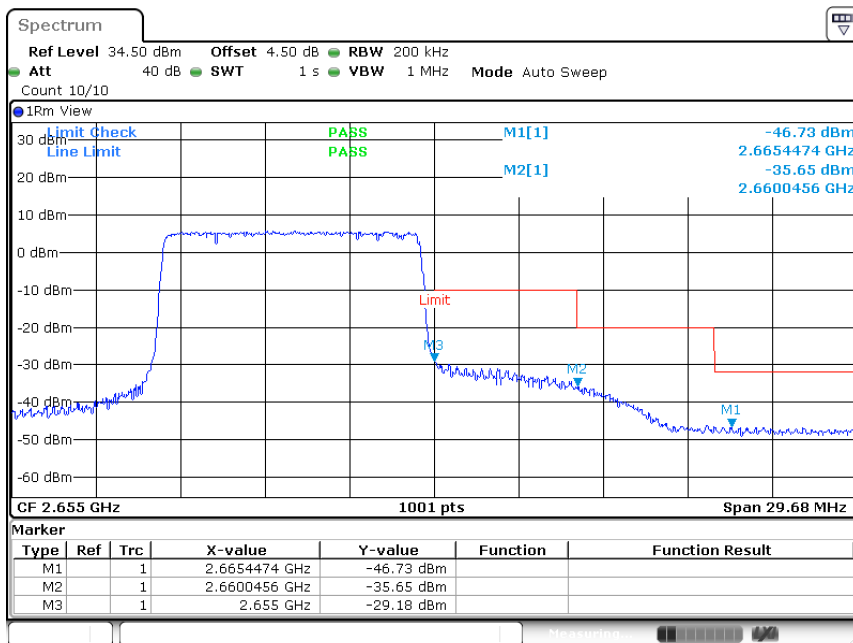
Band41-10MHz-QPSK-41190-1RB#49



Date: 4.SEP.2020 09:38:33

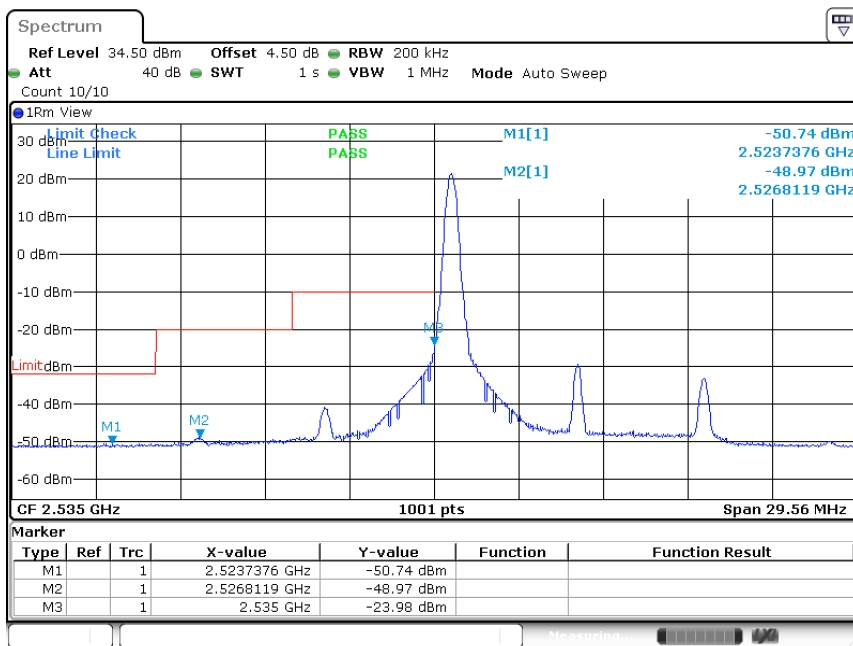


Band41-10MHz-QPSK-41190-50RB#0



Date: 4.SEP.2020 09:40:40

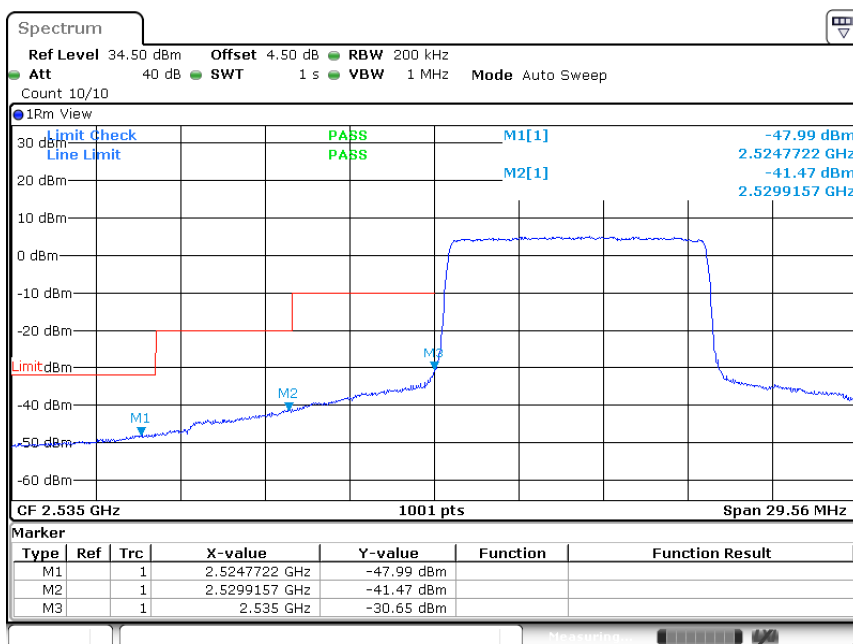
Band41-10MHz-64QAM-40090-1RB#0



Date: 4.SEP.2020 10:17:35

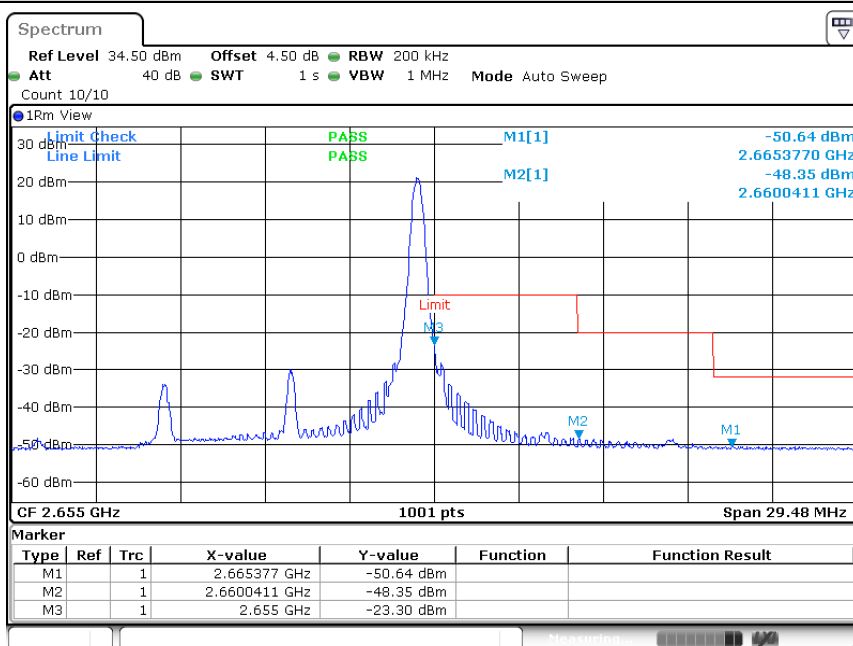


Band41-10MHz-64QAM-40090-50RB#0



Date: 4.SEP.2020 10:18:27

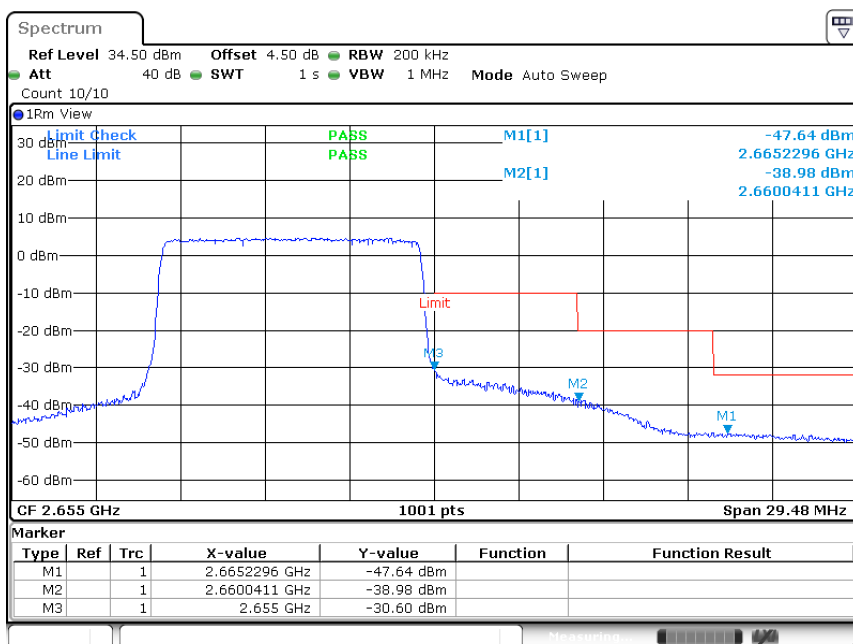
Band41-10MHz-64QAM-41190-1RB#49



Date: 4.SEP.2020 10:18:01

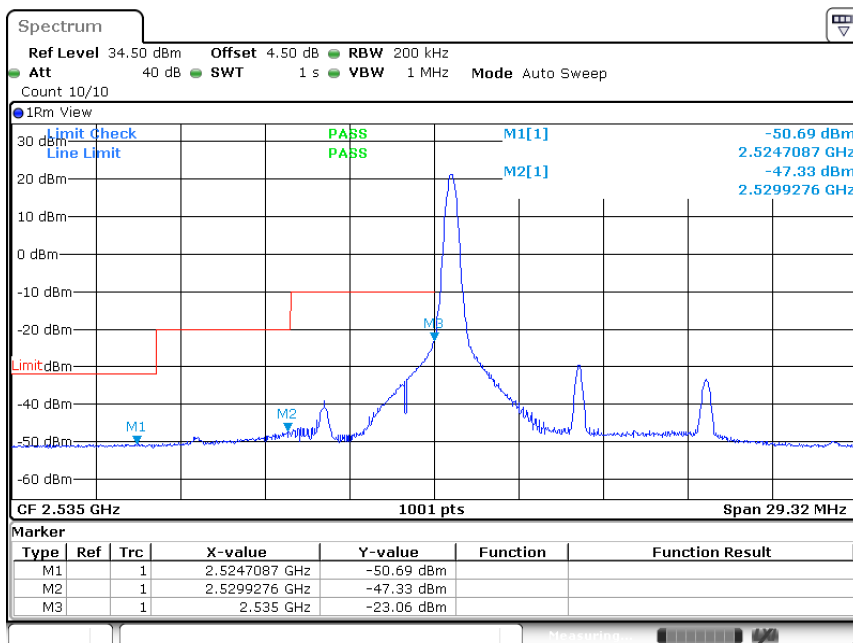


Band41-10MHz-64QAM-41190-50RB#0



Date: 4.SEP.2020 10:18:49

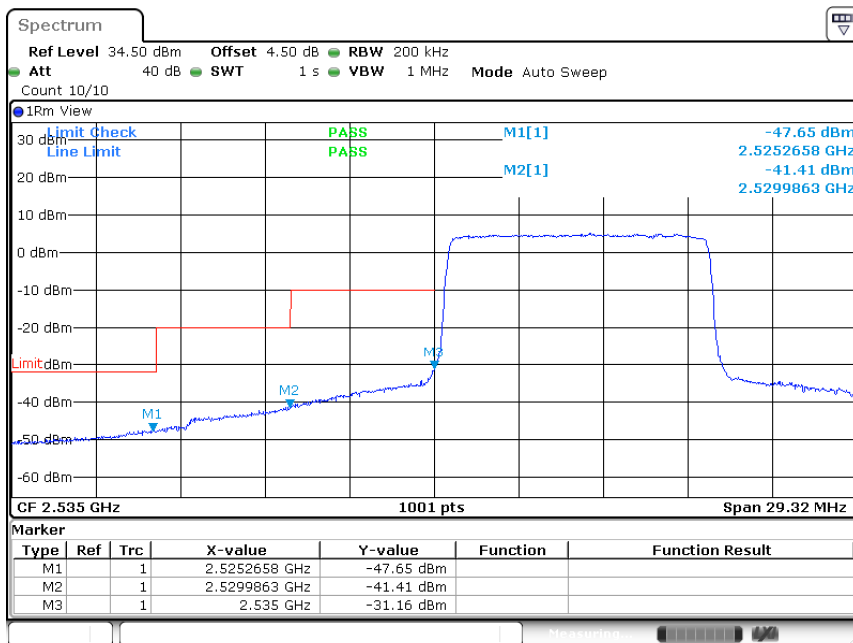
Band41-10MHz-16QAM-40090-1RB#0



Date: 4.SEP.2020 09:38:07

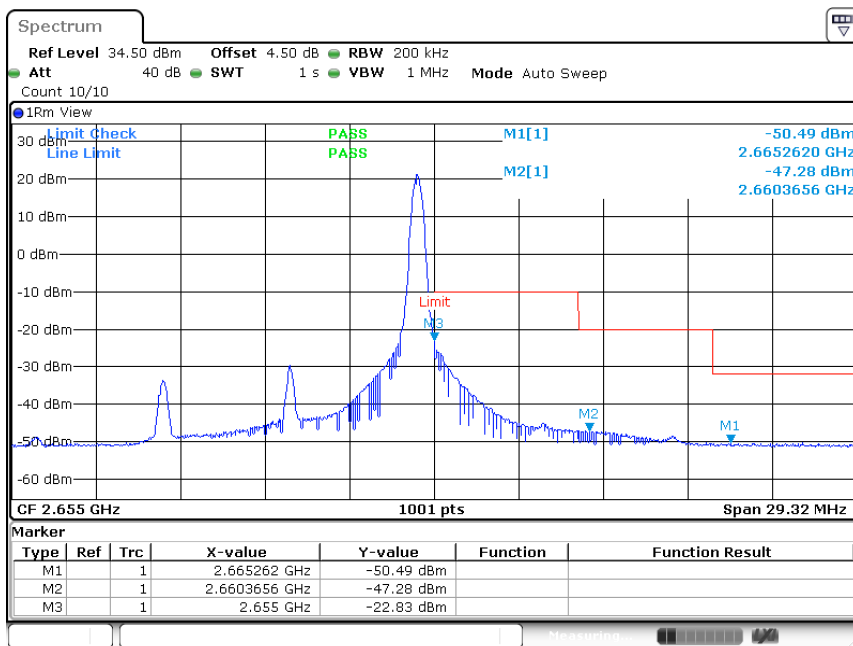


Band41-10MHz-16QAM-40090-50RB#0



Date: 4.SEP.2020 09:40:18

Band41-10MHz-16QAM-41190-1RB#49

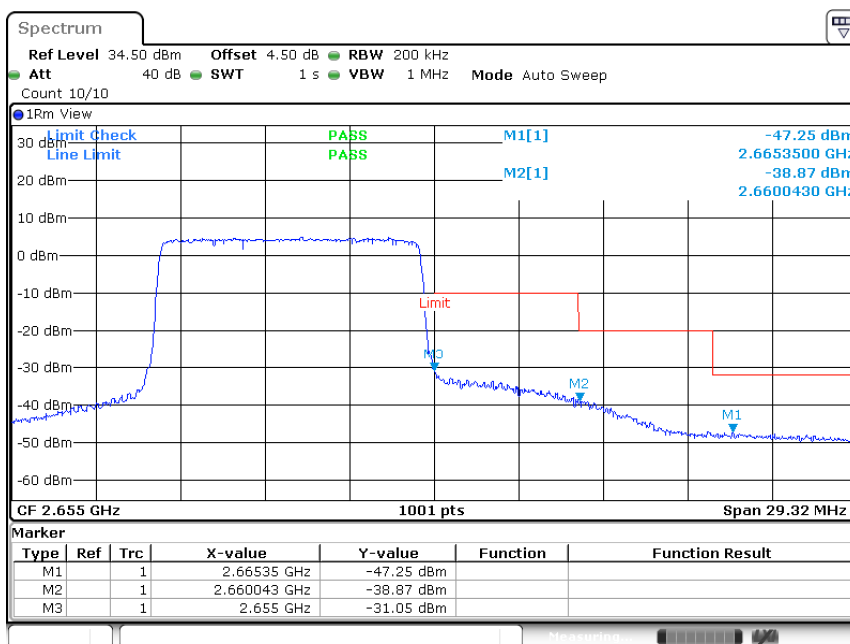


Date: 4.SEP.2020 09:38:55



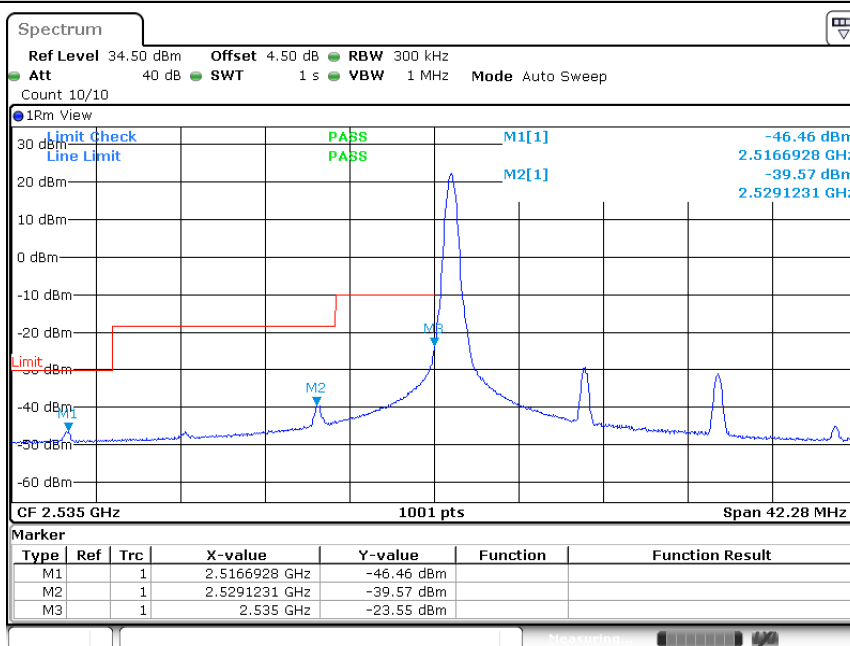


Band41-10MHz-16QAM-41190-50RB#0



Date: 4.SEP.2020 09:41:02

Band41-15MHz-QPSK-40115-1RB#0



Date: 4.SEP.2020 09:41:28



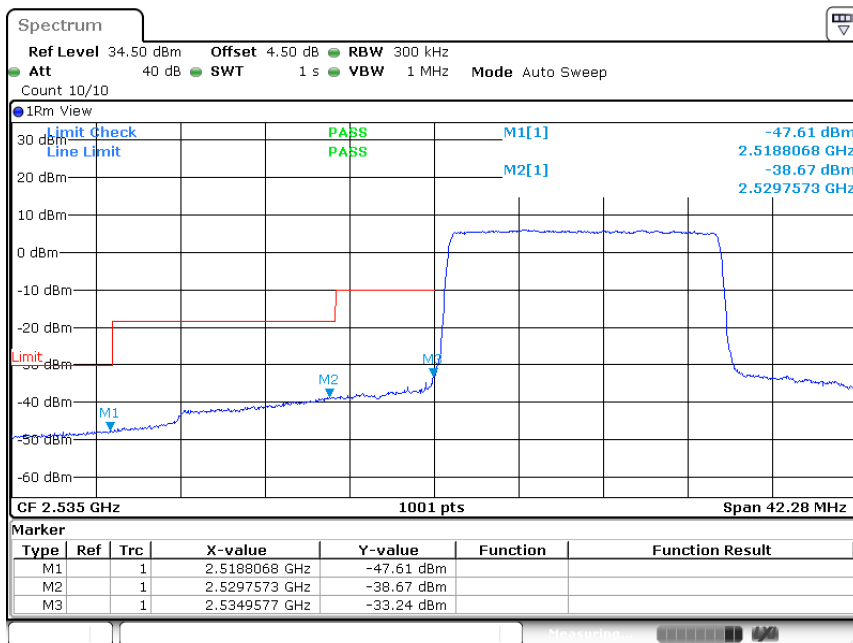
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

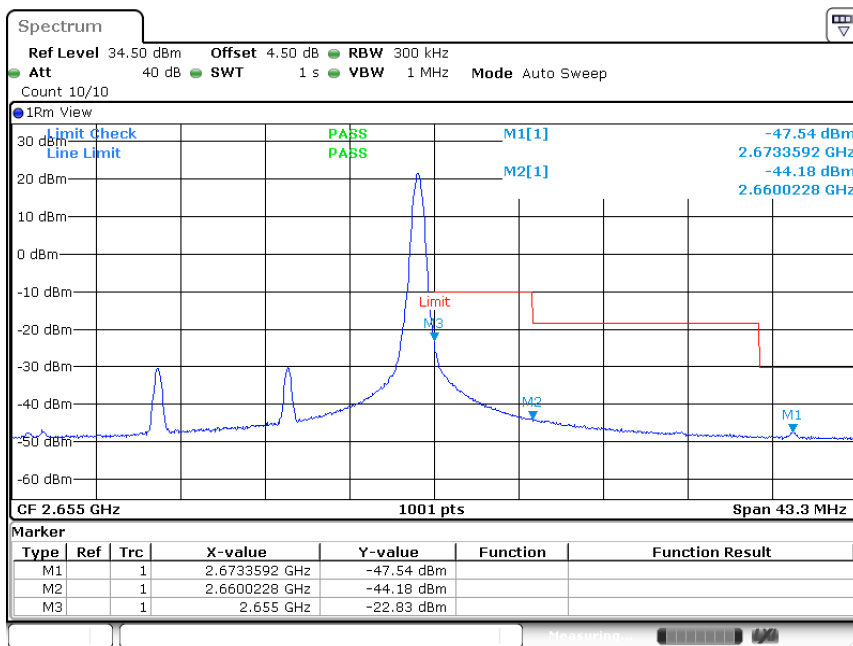
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-15MHz-QPSK-40115-75RB#0



Date: 4.SEP.2020 09:43:04

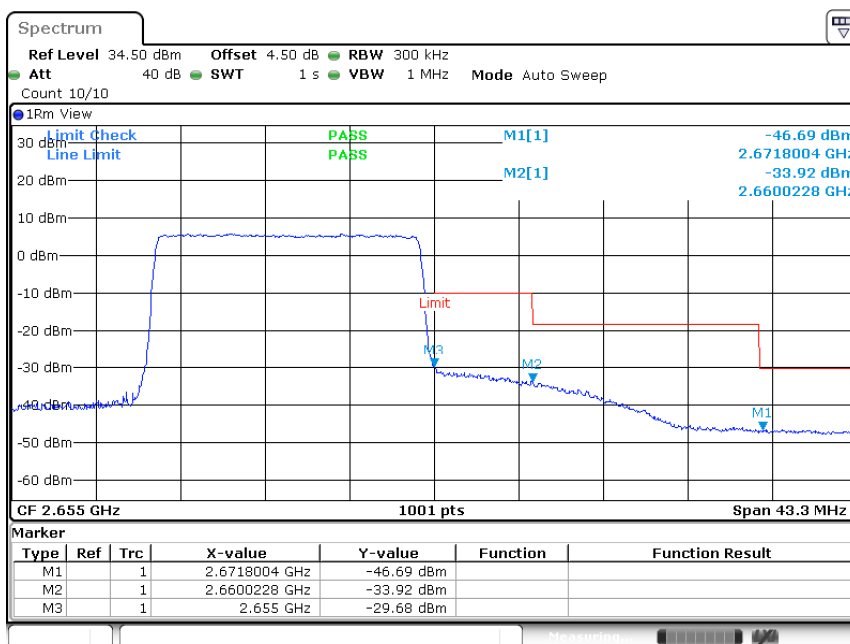
Band41-15MHz-QPSK-41165-1RB#74



Date: 4.SEP.2020 09:42:16

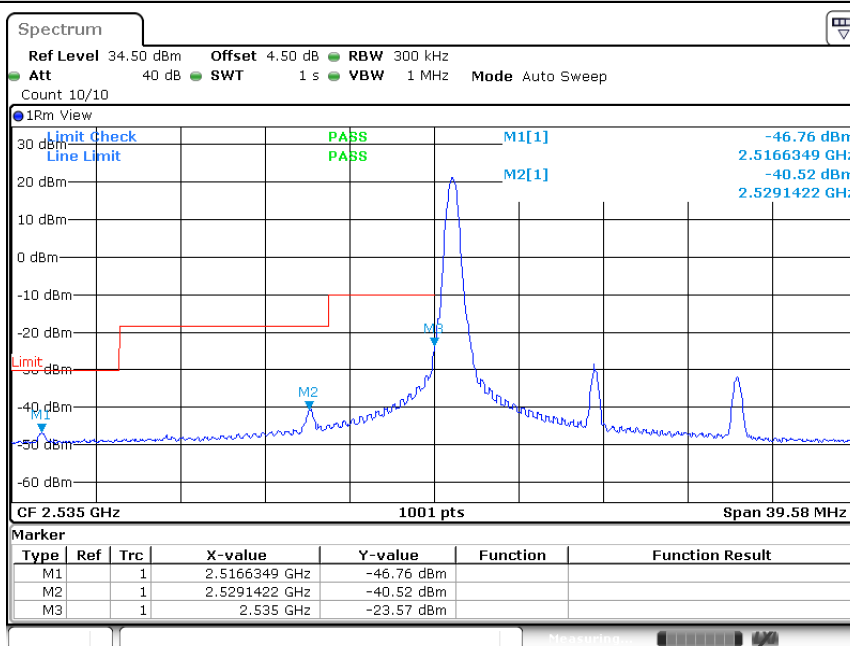


Band41-15MHz-QPSK-41165-75RB#0



Date: 4.SEP.2020 09:43:49

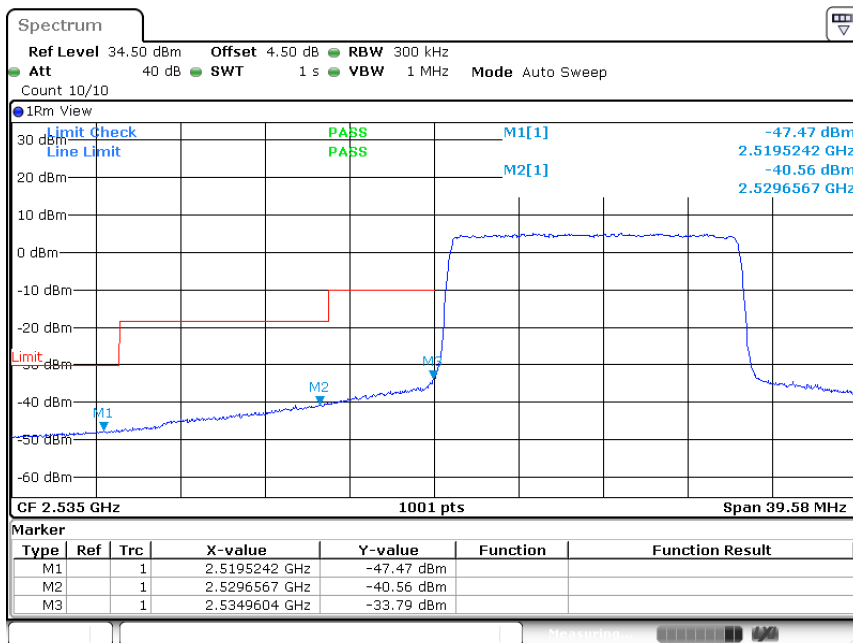
Band41-15MHz-64QAM-40115-1RB#0



Date: 4.SEP.2020 10:19:19

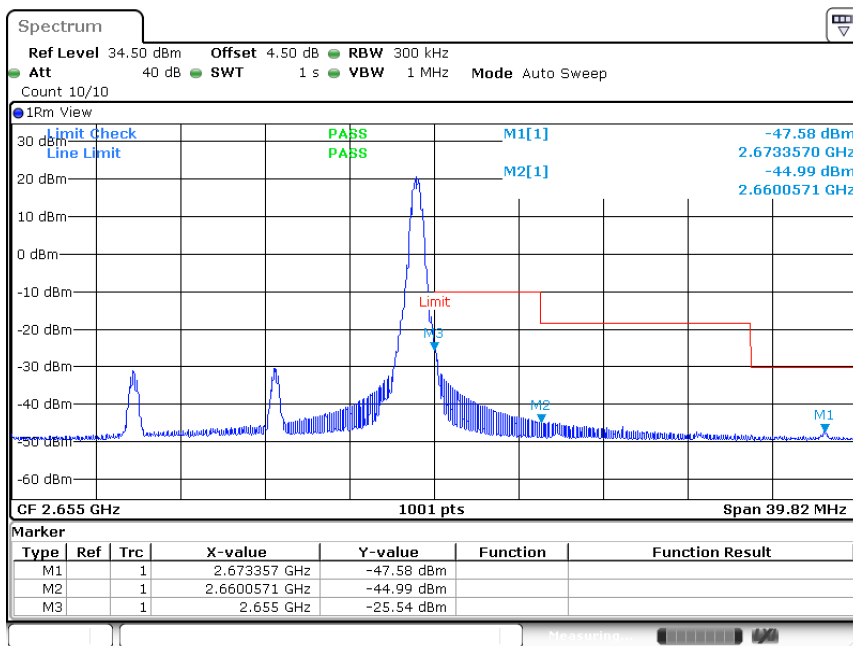


Band41-15MHz-64QAM-40115-75RB#0



Date: 4.SEP.2020 10:20:11

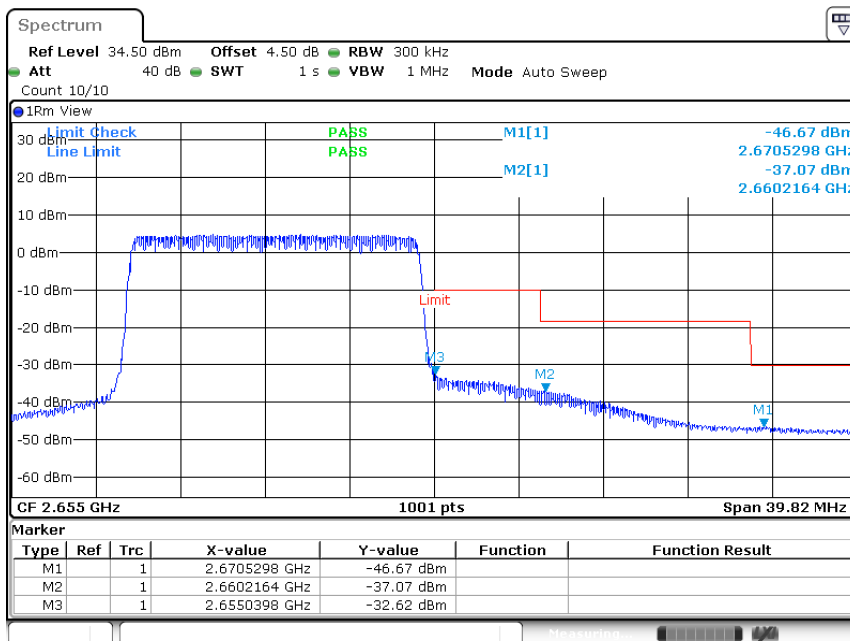
Band41-15MHz-64QAM-41165-1RB#74



Date: 4.SEP.2020 10:19:45

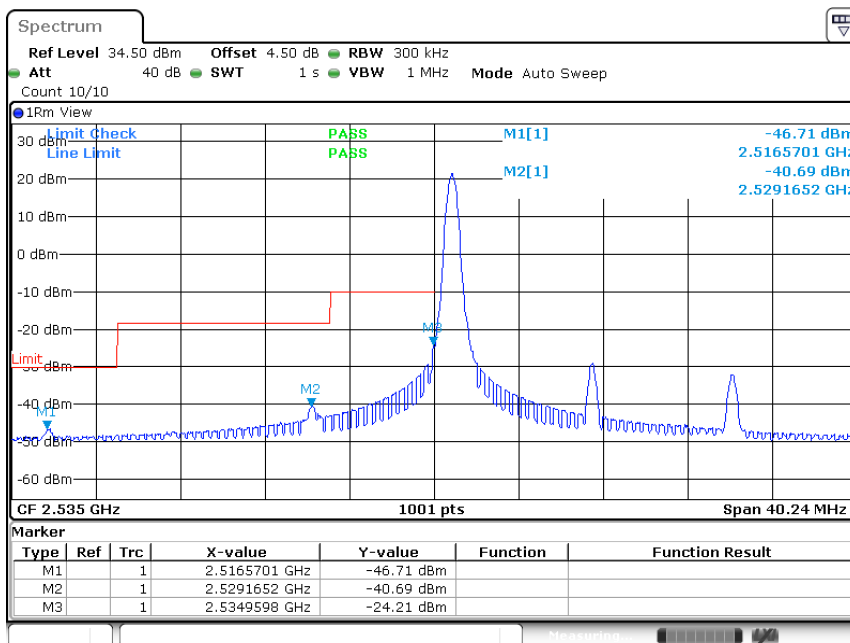


Band41-15MHz-64QAM-41165-75RB#0



Date: 4.SEP.2020 10:20:33

Band41-15MHz-16QAM-40115-1RB#0



Date: 4.SEP.2020 09:41:50

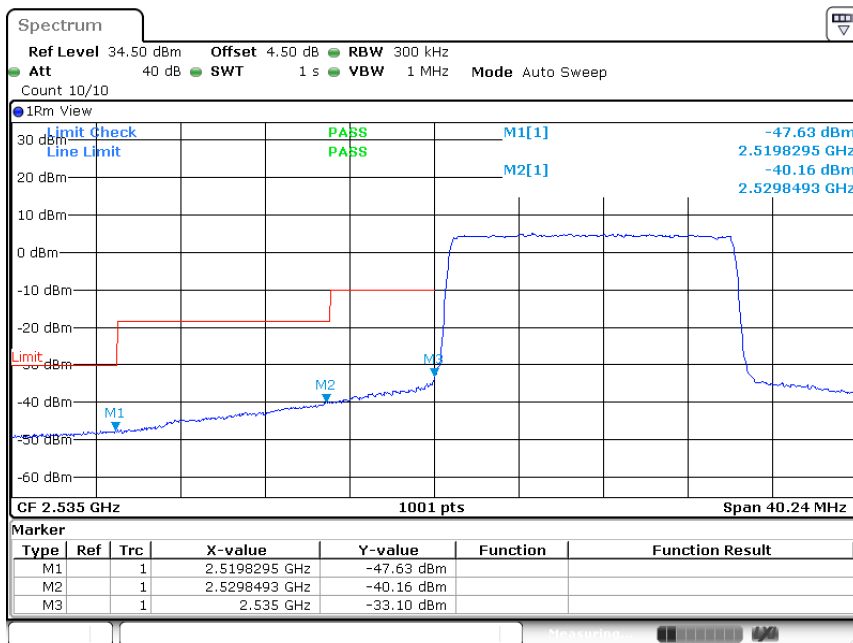


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

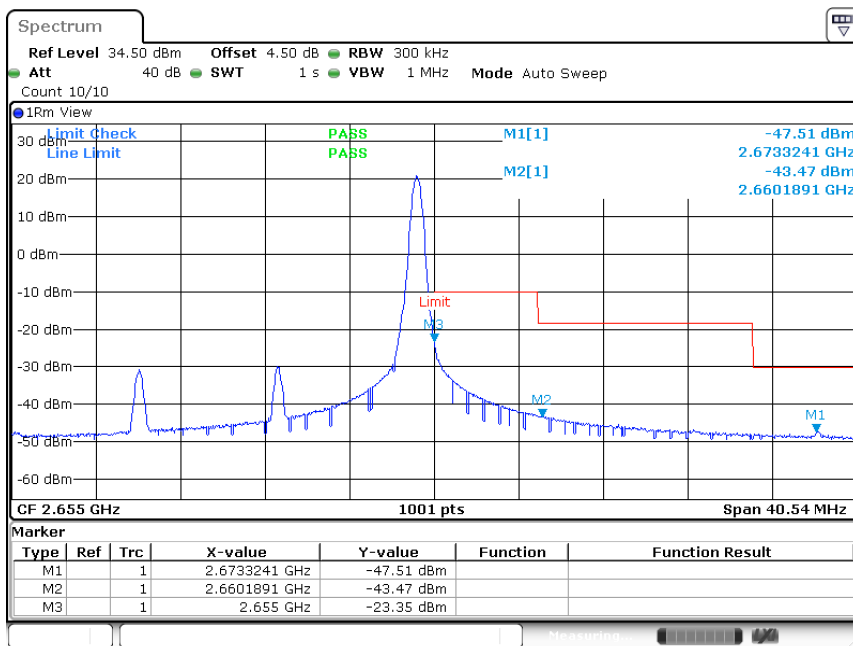
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-15MHz-16QAM-40115-75RB#0



Date: 4.SEP.2020 09:43:26

Band41-15MHz-16QAM-41165-1RB#74



Date: 4.SEP.2020 09:42:38



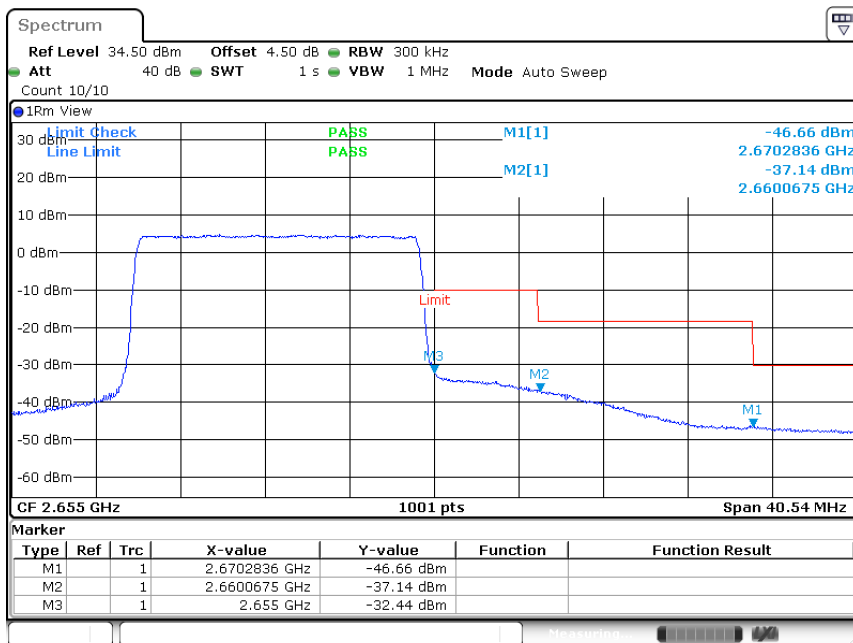
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

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

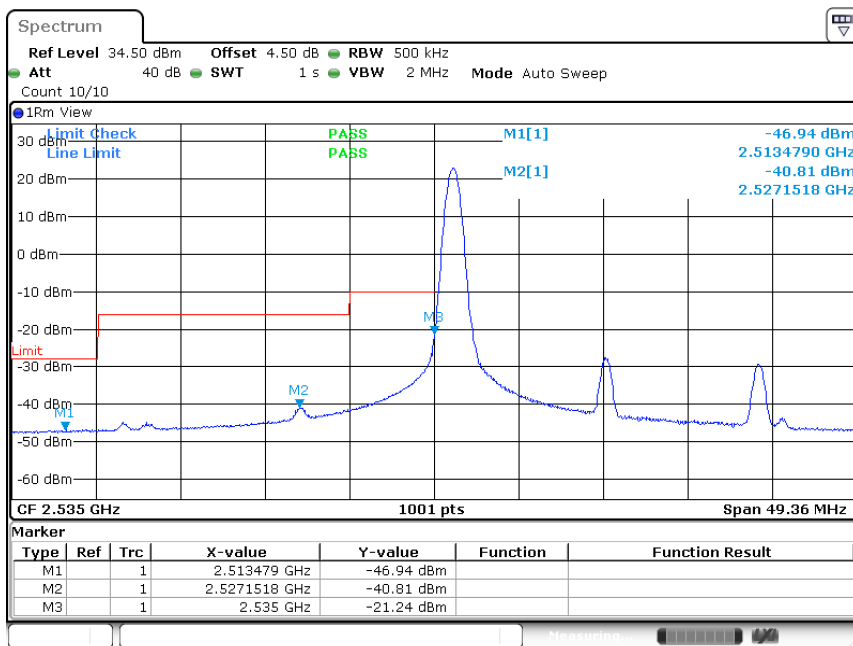


Band41-15MHz-16QAM-41165-75RB#0



Date: 4.SEP.2020 09:44:11

Band41-20MHz-QPSK-40140-1RB#0



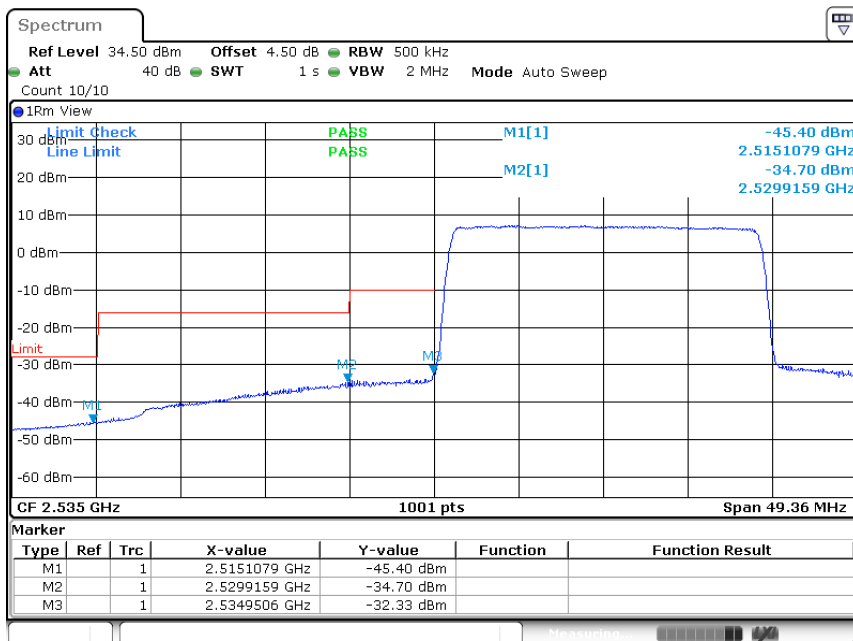
Date: 4.SEP.2020 09:44:37



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

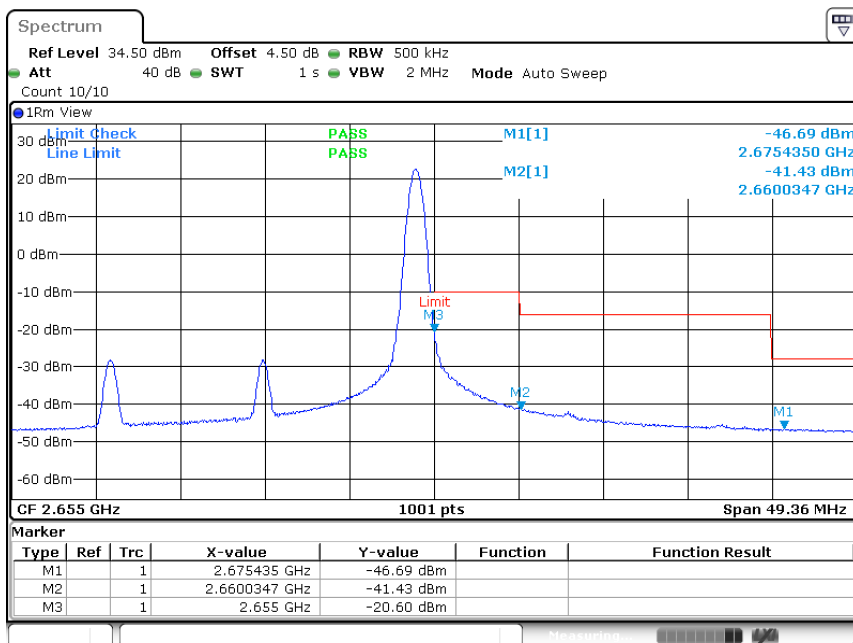
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-20MHz-QPSK-40140-100RB#0



Date: 4.SEP.2020 09:46:13

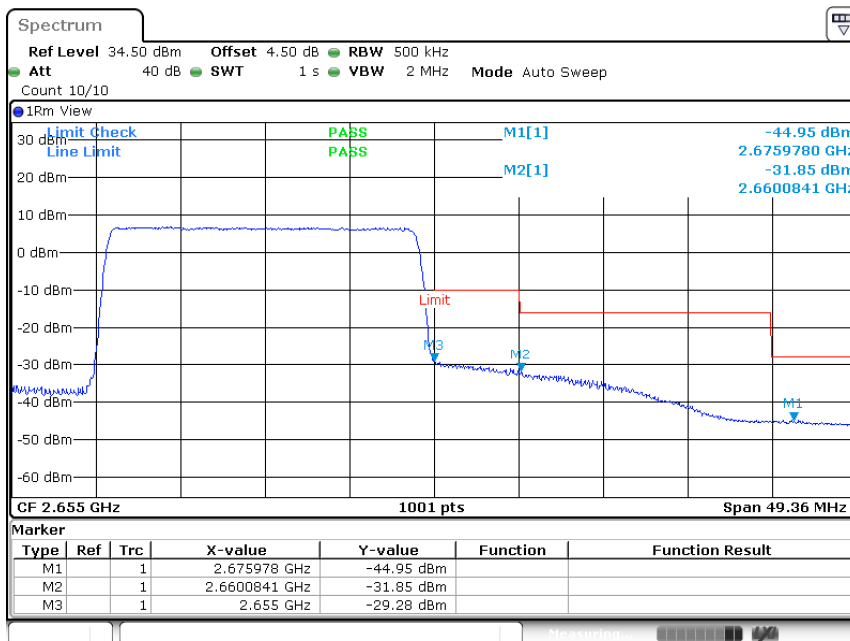
Band41-20MHz-QPSK-41140-1RB#99



Date: 4.SEP.2020 09:45:26

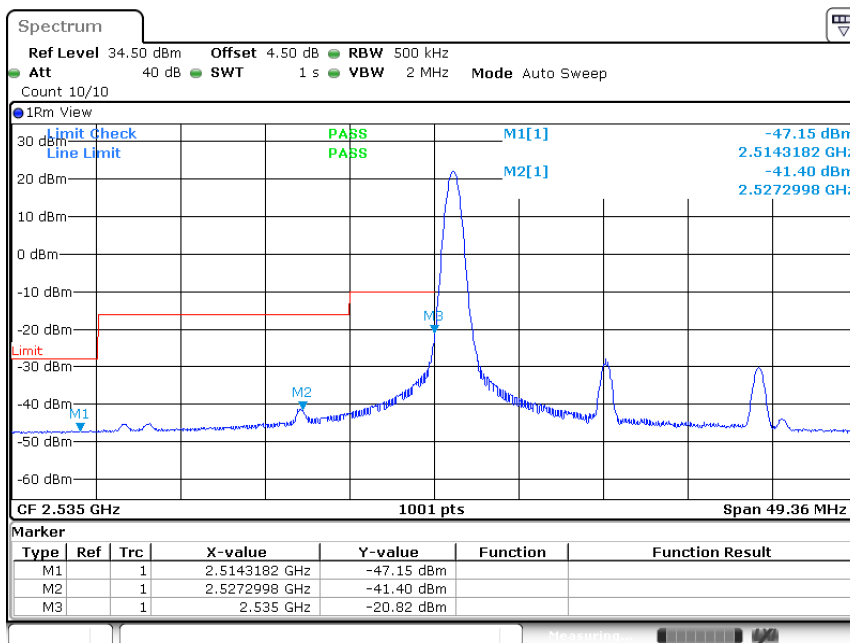


Band41-20MHz-QPSK-41140-100RB#0



Date: 4.SEP.2020 09:46:57

Band41-20MHz-64QAM-40140-1RB#0



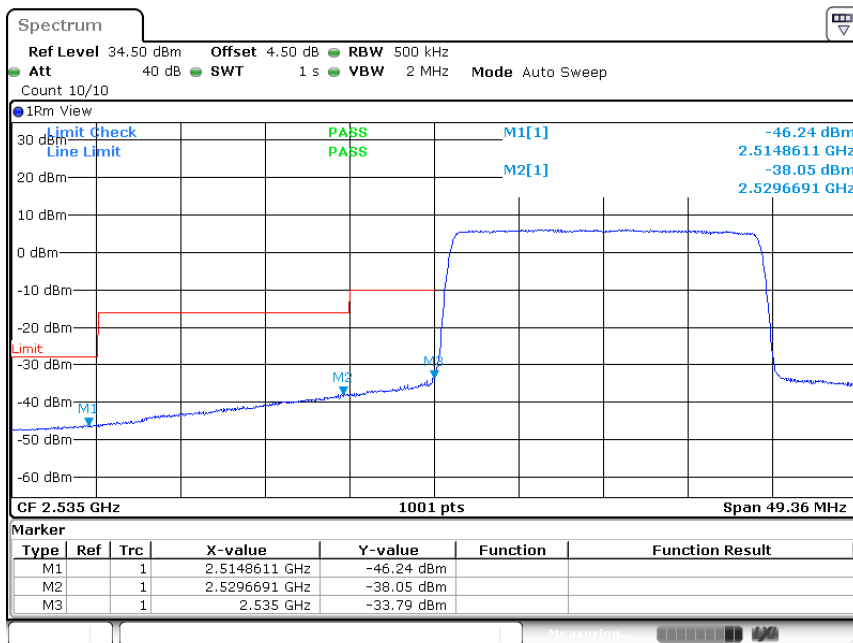
Date: 4.SEP.2020 10:21:00



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

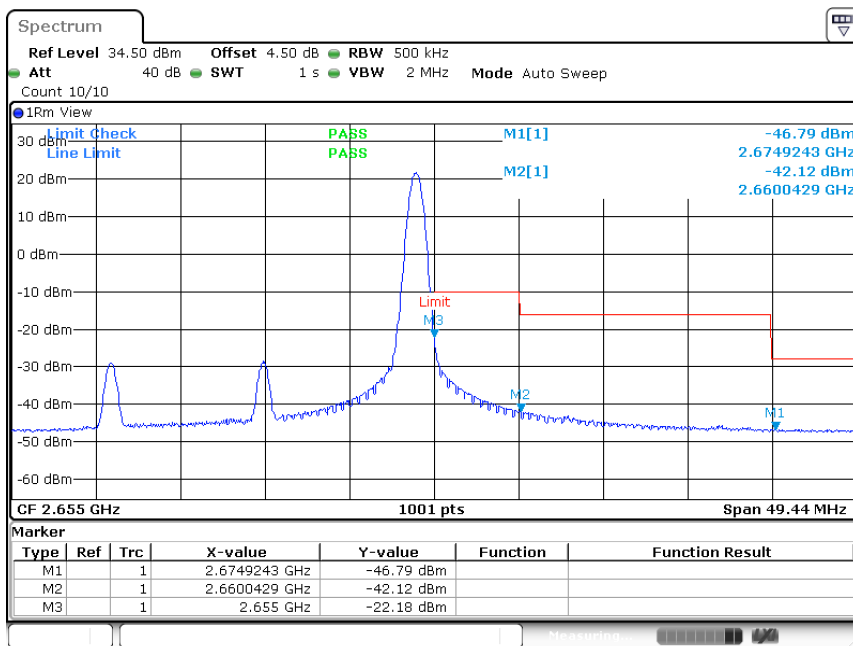
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-20MHz-64QAM-40140-100RB#0



Date: 4.SEP.2020 10:29:40

Band41-20MHz-64QAM-41140-1RB#99



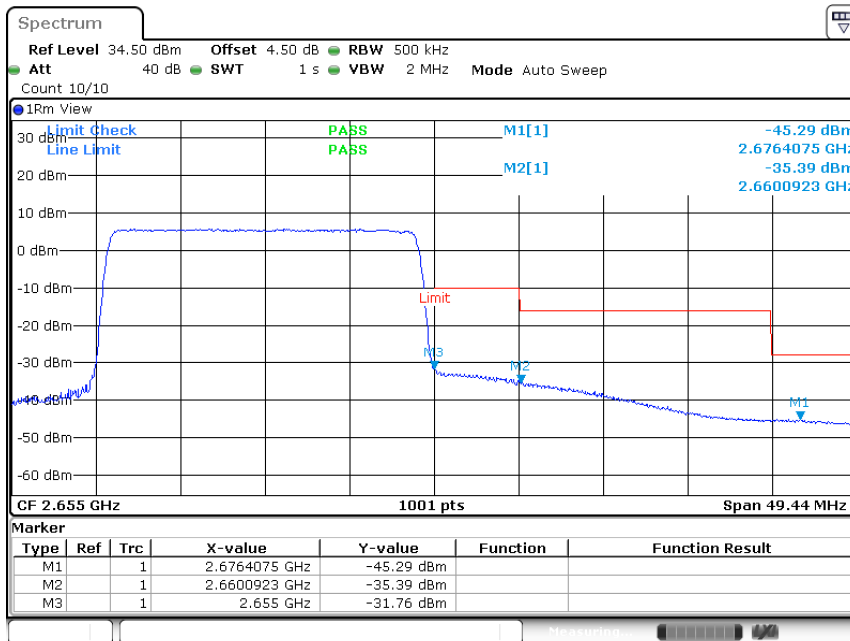
Date: 4.SEP.2020 10:21:26



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

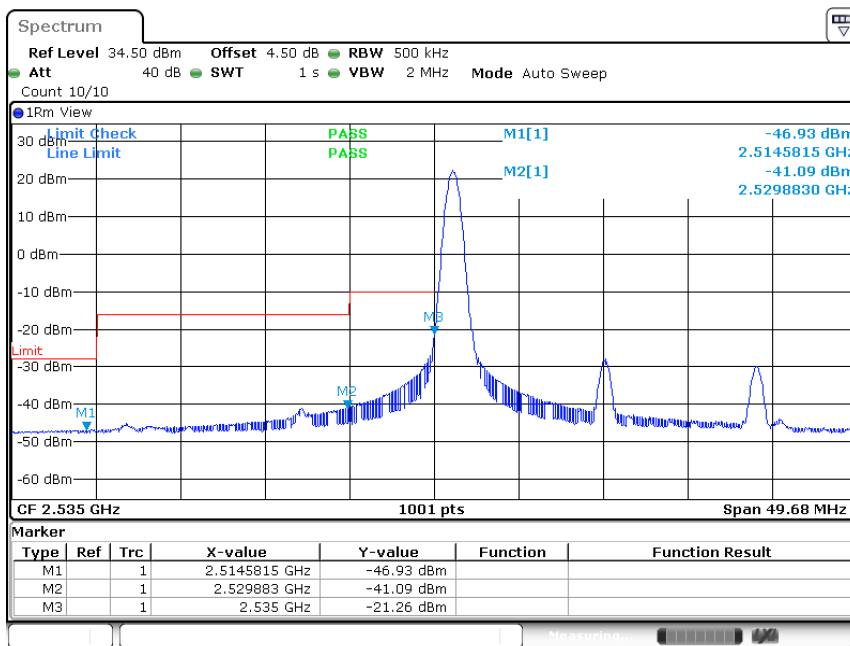
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-20MHz-64QAM-41140-100RB#0



Date: 4.SEP.2020 10:30:02

Band41-20MHz-16QAM-40140-1RB#0



Date: 4.SEP.2020 09:44:59



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

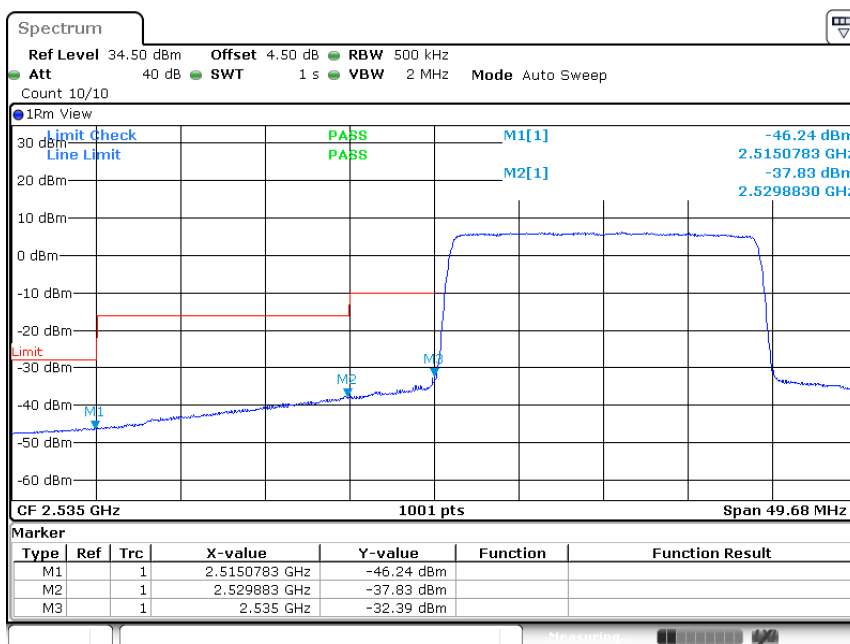
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAA Laboratory)

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

Member of the SGS Group (SGS SA)

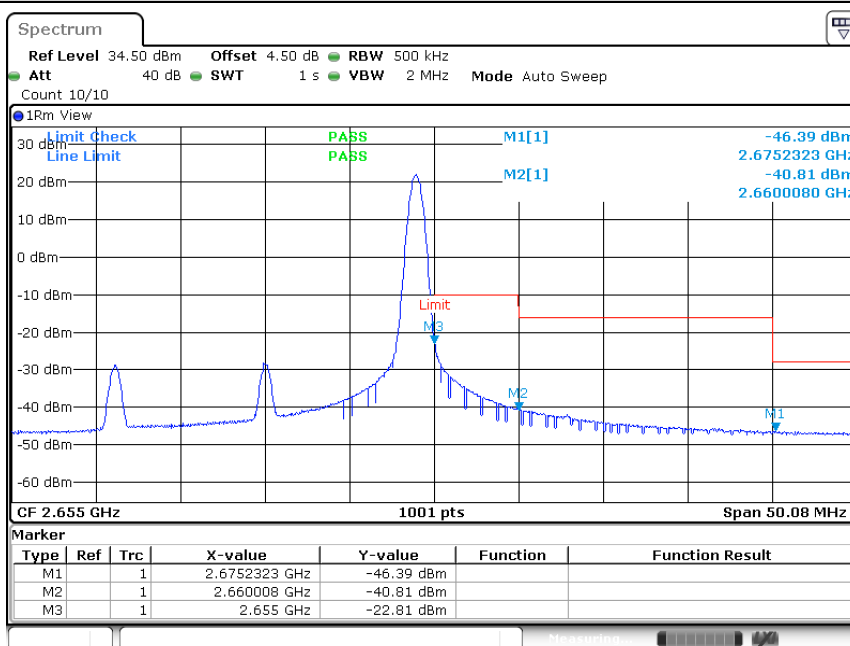


Band41-20MHz-16QAM-40140-100RB#0



Date: 4.SEP.2020 09:46:35

Band41-20MHz-16QAM-41140-1RB#99



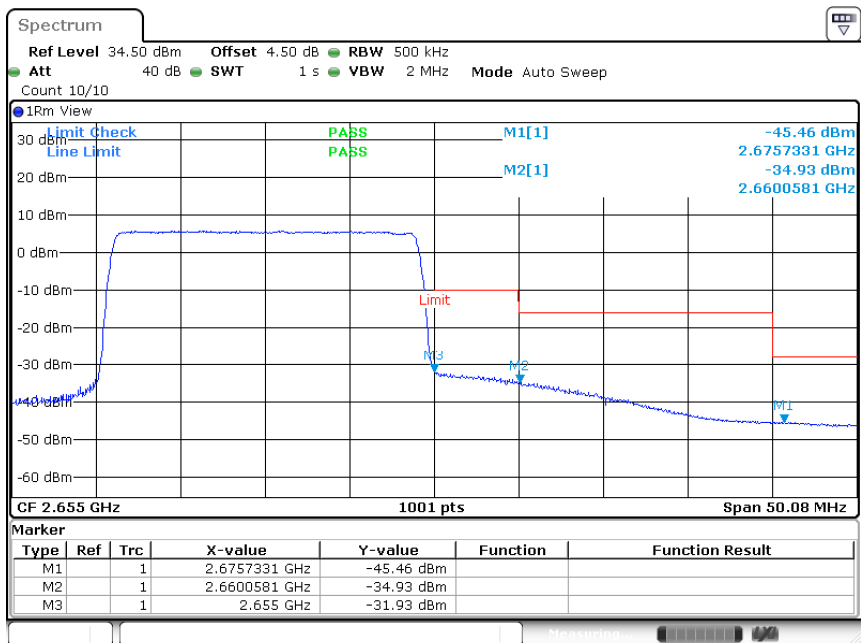
Date: 4.SEP.2020 09:45:47



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

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

Band41-20MHz-16QAM-41140-100RB#0



Date: 4.SEP.2020 09:47:19

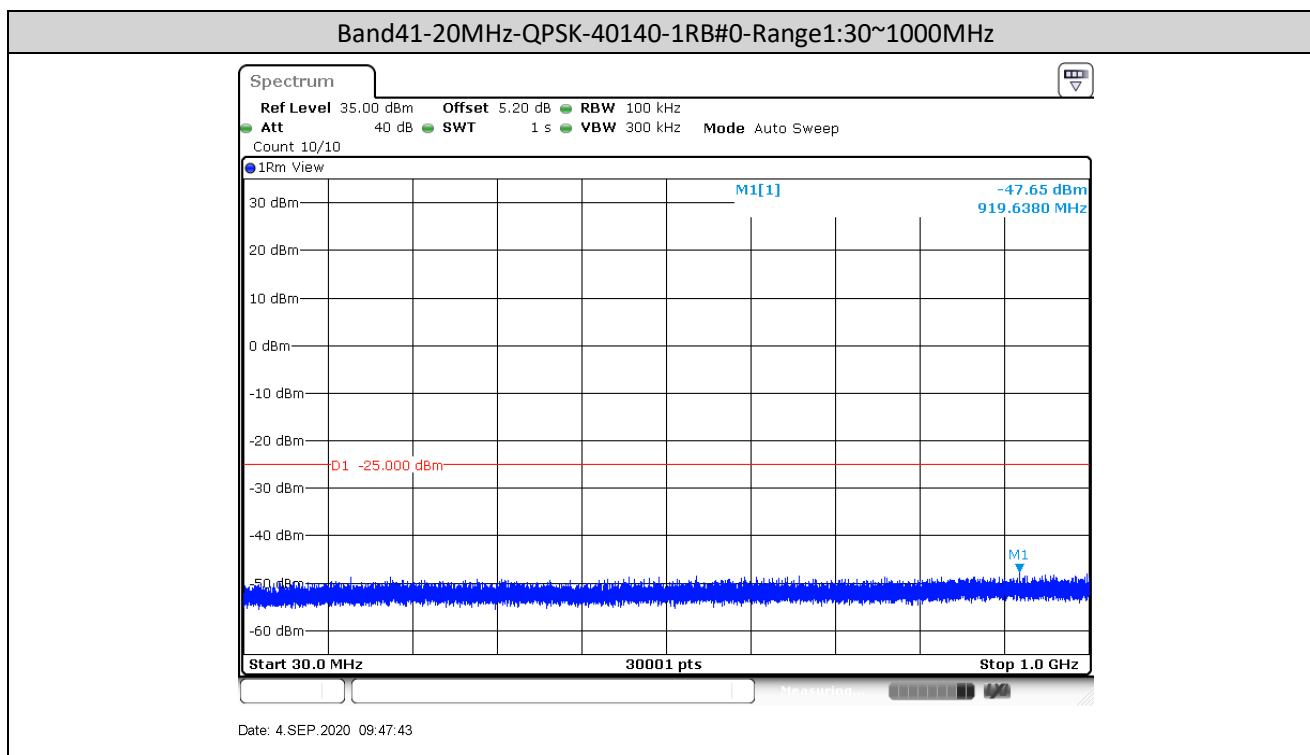


6. Spurious Emission at Antenna Terminal

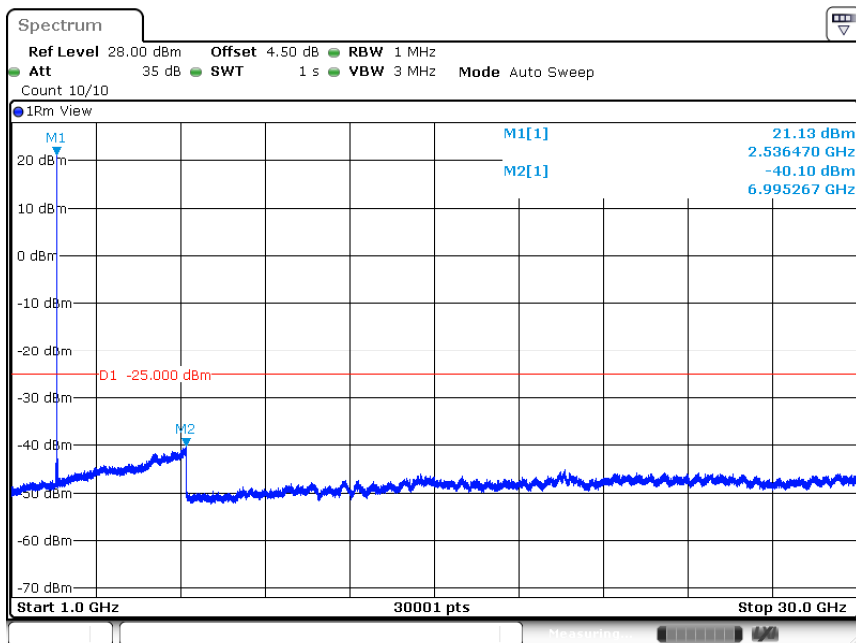
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1. Test Plots

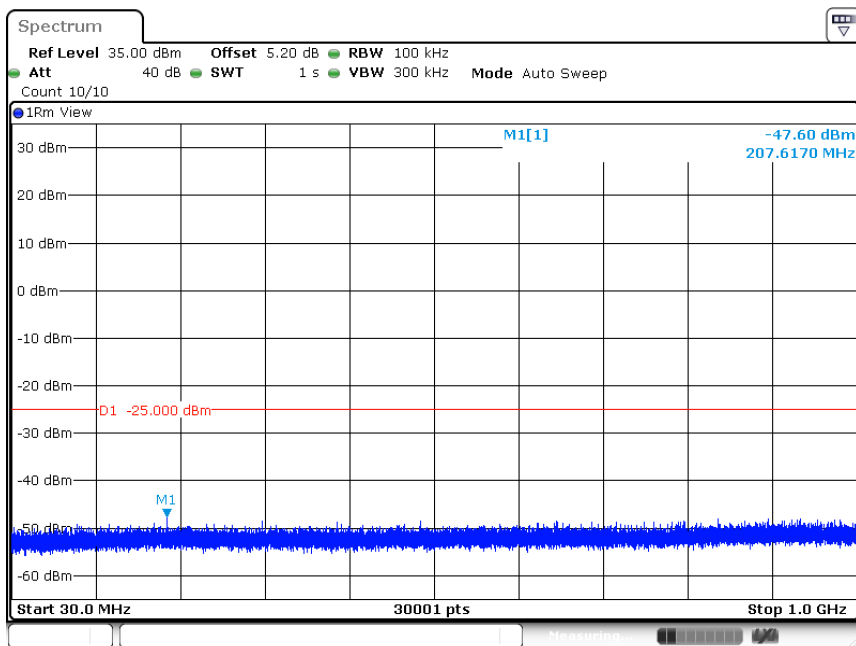


Band41-20MHz-QPSK-40140-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 09:47:59

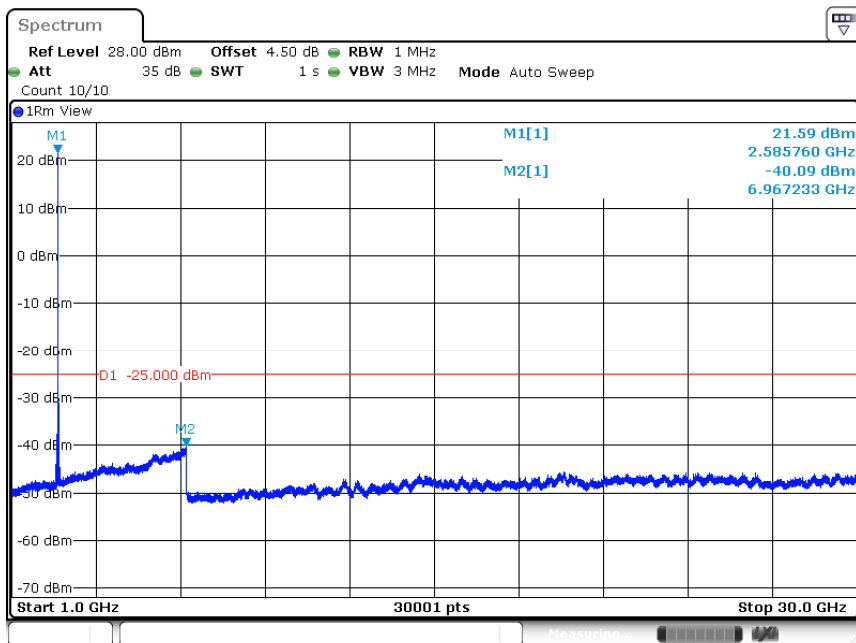
Band41-20MHz-QPSK-40640-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 09:48:54

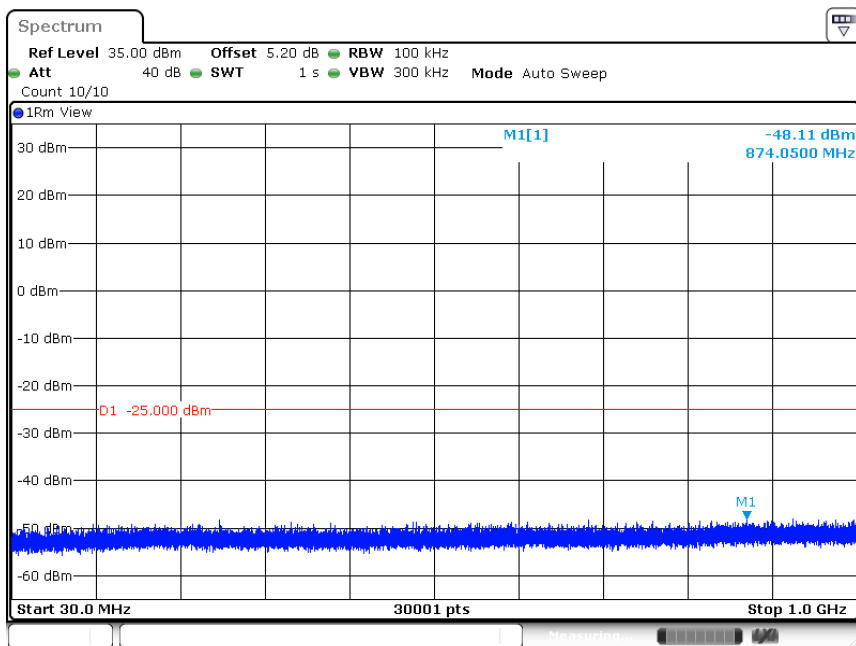


Band41-20MHz-QPSK-40640-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 09:49:10

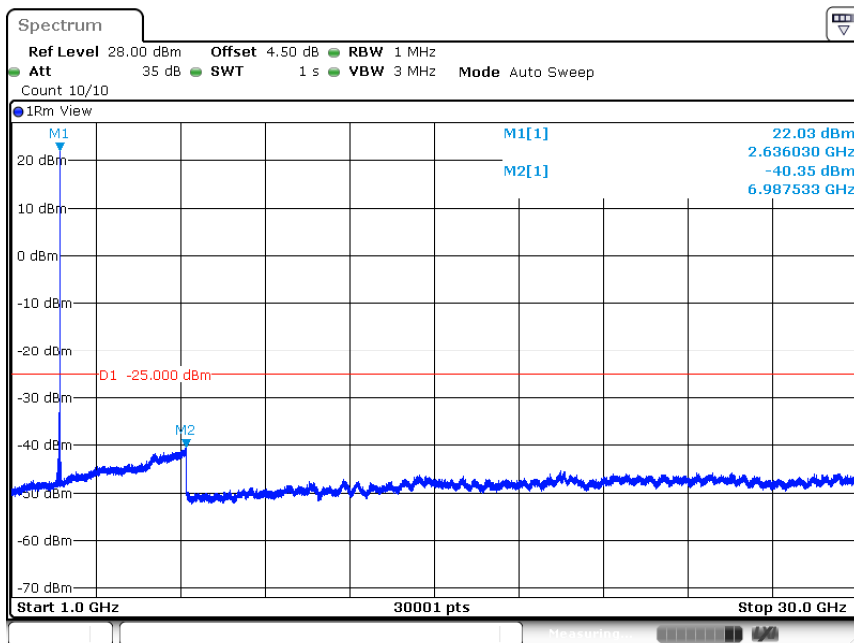
Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 09:50:05

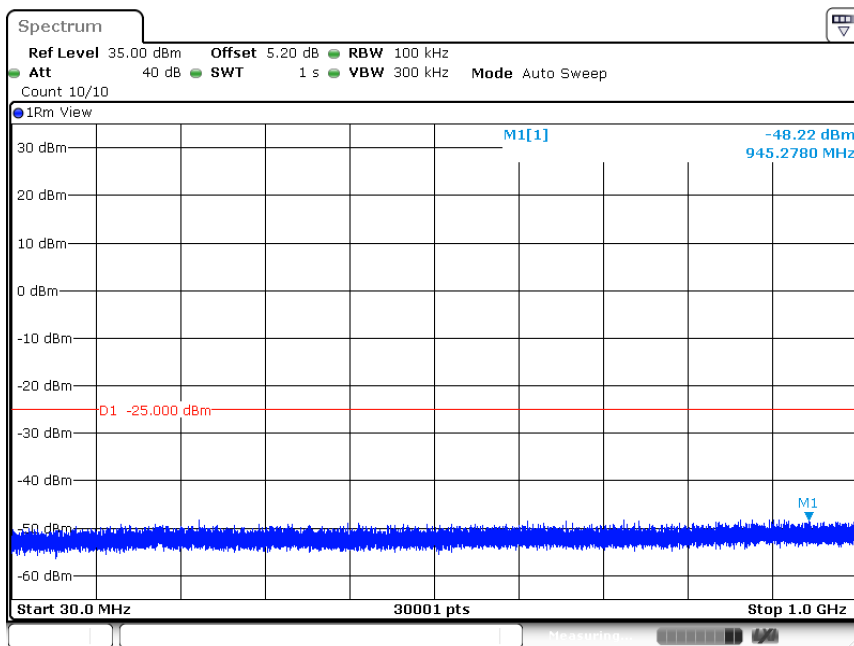


Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 09:50:22

Band41-20MHz-64QAM-40140-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 10:30:25

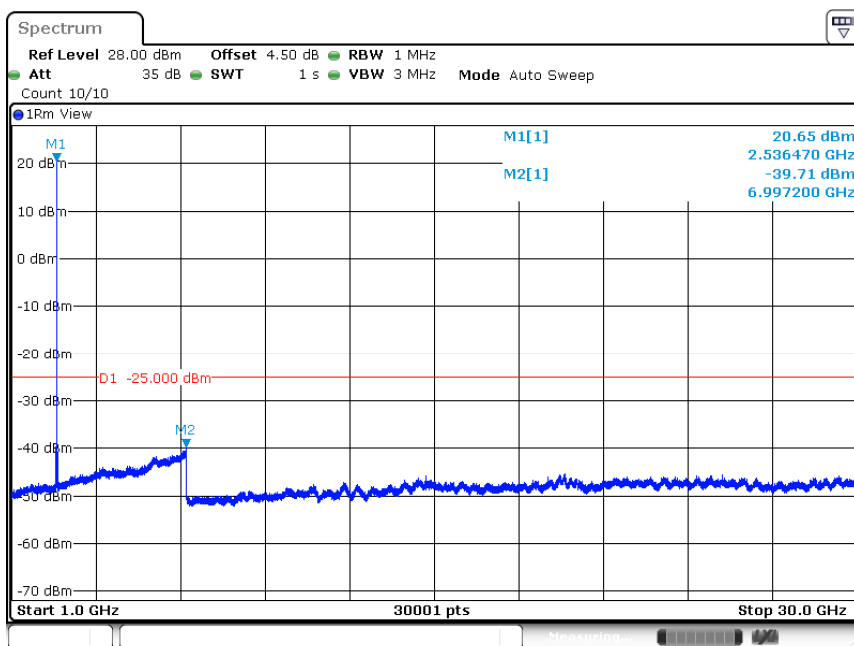


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

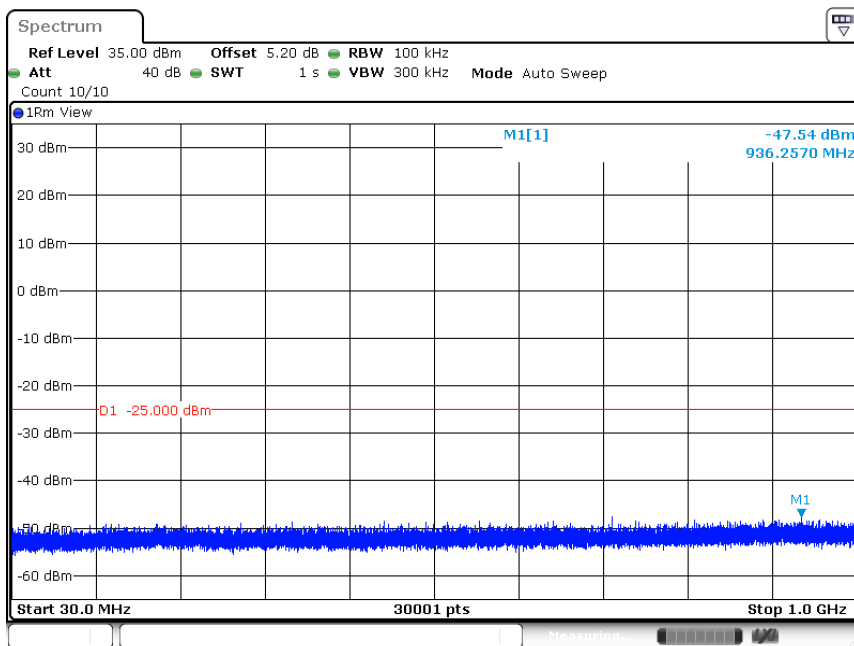
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-20MHz-64QAM-40140-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 10:30:42

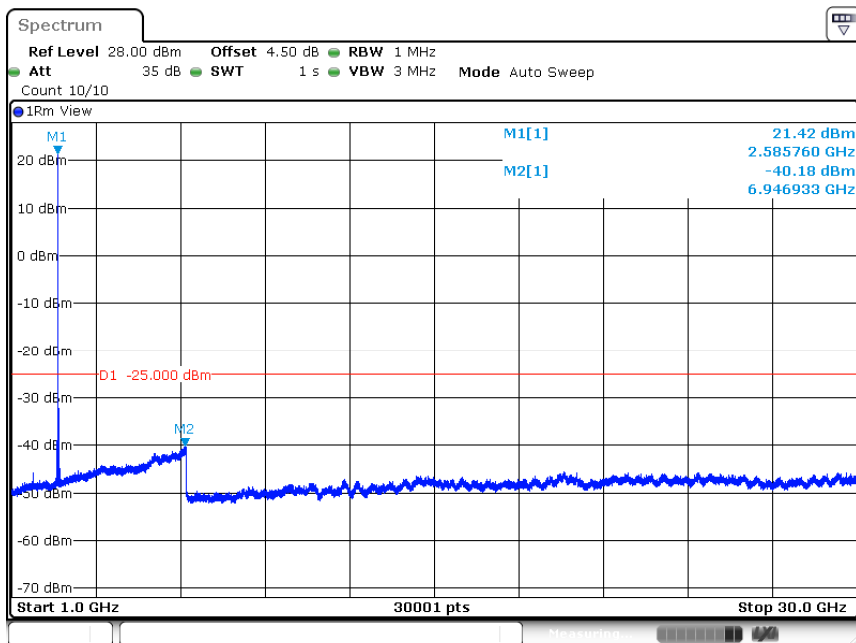
Band41-20MHz-64QAM-40640-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 10:31:01

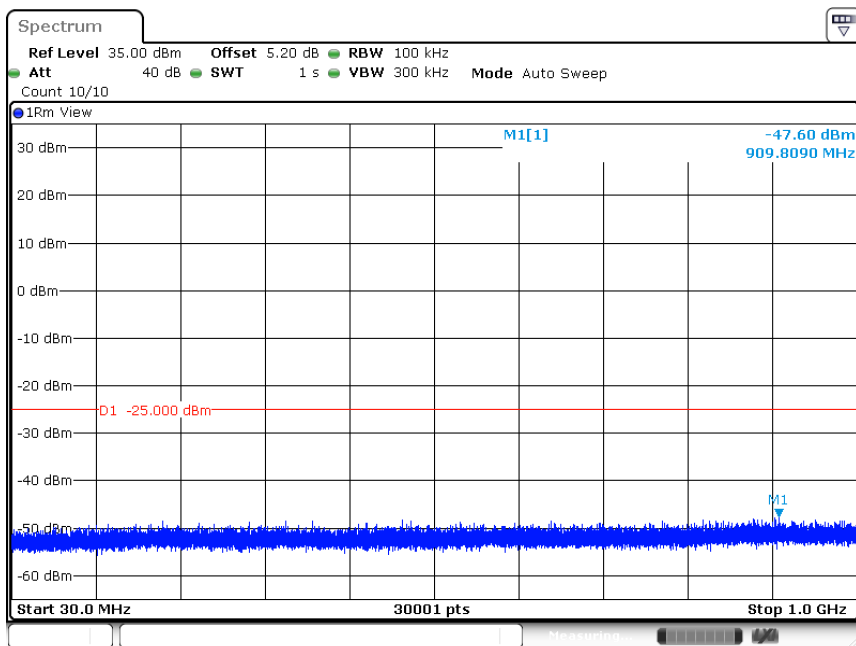


Band41-20MHz-64QAM-40640-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 10:31:17

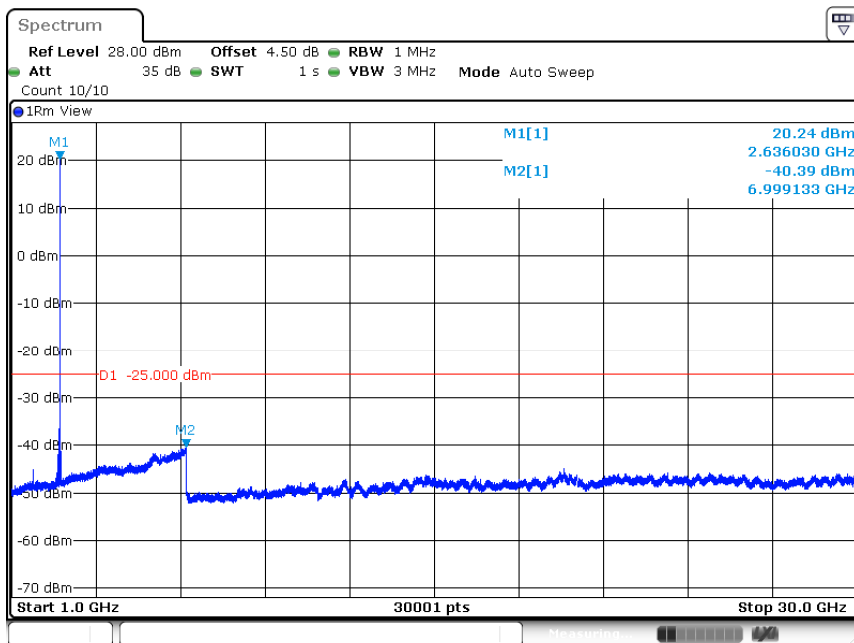
Band41-20MHz-64QAM-41140-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 10:31:36

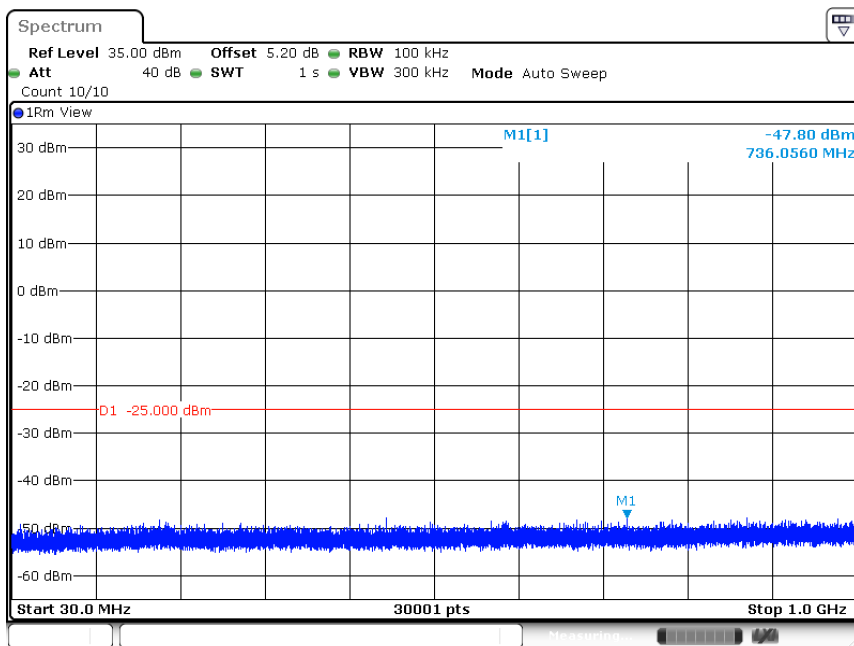


Band41-20MHz-64QAM-41140-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 10:31:52

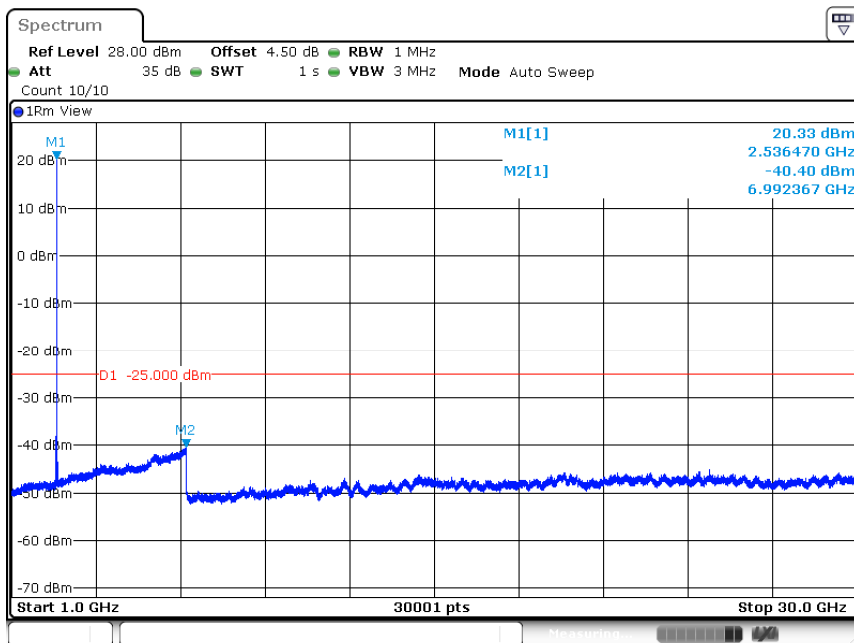
Band41-20MHz-16QAM-40140-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 09:48:18

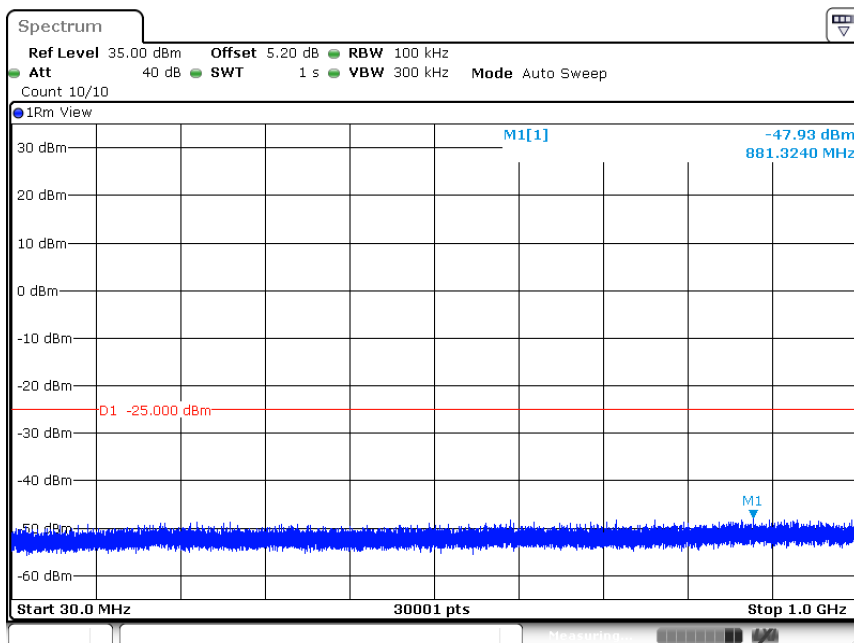


Band41-20MHz-16QAM-40140-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 09:48:35

Band41-20MHz-16QAM-40640-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 09:49:29

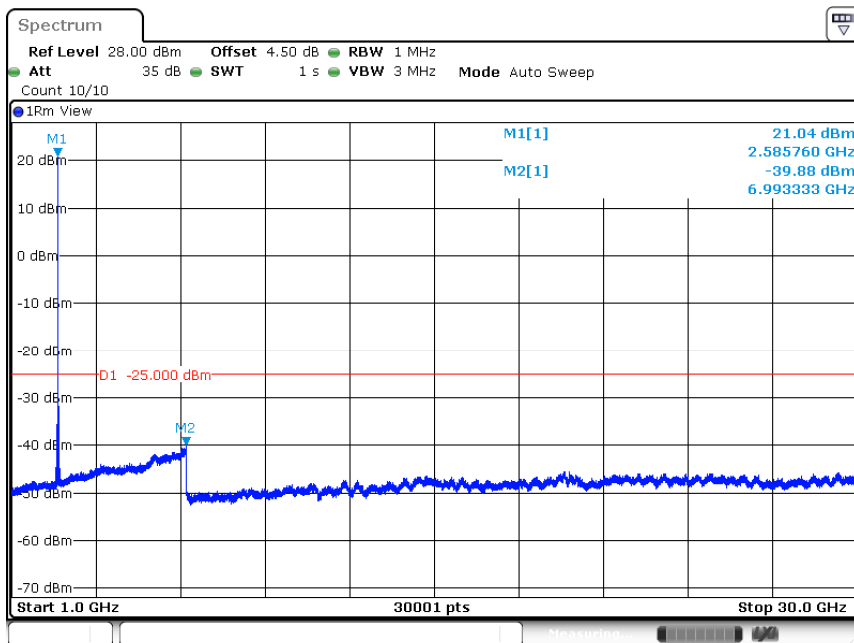


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

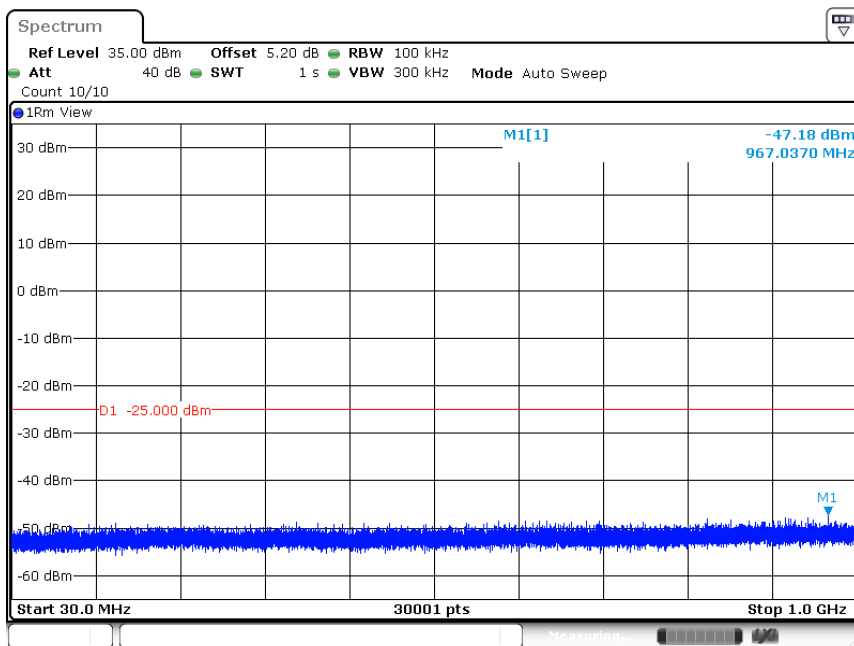
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-20MHz-16QAM-40640-1RB#0-Range2:1000~30000MHz



Date: 4, SEP. 2020 09:49:46

Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz



Date: 4, SEP. 2020 09:50:41

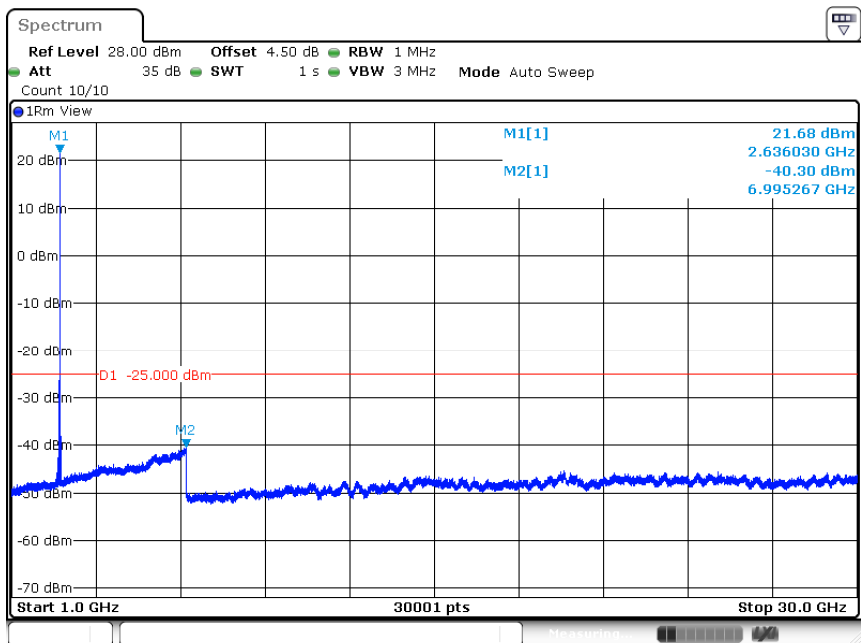


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

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

Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~30000MHz



Date: 4,SEP.2020 09:50:57



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

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



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.4423	-73.88	-25.00	48.88	Vertical
115.9463	-65.32	-25.00	40.32	Vertical
476.9498	-67.73	-25.00	42.73	Vertical
2173.0346	-40.40	-25.00	15.40	Vertical
7608.1536	-54.85	-25.00	29.85	Vertical
17996.9999	-40.01	-25.00	15.01	Vertical
43.2412	-63.95	-25.00	38.95	Horizontal
231.2851	-68.67	-25.00	43.67	Horizontal
510.5135	-66.50	-25.00	41.50	Horizontal
5072.5691	-61.60	-25.00	36.60	Horizontal
11298.2766	-52.24	-25.00	27.24	Horizontal
16400.9467	-44.07	-25.00	19.07	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
120.3600	-66.30	-25.00	41.30	Vertical
611.4471	-64.88	-25.00	39.88	Vertical
1538.9078	-46.16	-25.00	21.16	Vertical
3722.0241	-62.19	-25.00	37.19	Vertical
11260.2753	-52.06	-25.00	27.06	Vertical
17958.9986	-41.97	-25.00	16.97	Vertical
42.0286	-64.00	-25.00	39.00	Horizontal
767.9644	-61.82	-25.00	36.82	Horizontal
1604.9210	-44.16	-25.00	19.16	Horizontal
6562.6188	-58.36	-25.00	33.36	Horizontal
10602.7534	-51.63	-25.00	26.63	Horizontal
16377.4459	-43.85	-25.00	18.85	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

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

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

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.2116	-66.07	-25.00	41.07	Vertical
585.7893	-64.90	-25.00	39.90	Vertical
2287.0574	-39.92	-25.00	14.92	Vertical
7365.1455	-55.98	-25.00	30.98	Vertical
14497.8833	-47.52	-25.00	22.52	Vertical
17986.9996	-40.28	-25.00	15.28	Vertical
35.3353	-64.89	-25.00	39.89	Horizontal
232.1581	-67.93	-25.00	42.93	Horizontal
2163.8328	-40.01	-25.00	15.01	Horizontal
3734.0245	-61.01	-25.00	36.01	Horizontal
7477.6493	-55.53	-25.00	30.53	Horizontal
16369.9457	-43.74	-25.00	18.74	Horizontal

Remark:

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



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

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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	-3.70	-0.001454	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	-1.10	-0.000432	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	-5.20	-0.002043	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VL	NT	-4.60	-0.001773	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VN	NT	-8.50	-0.003276	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VH	NT	-6.50	-0.002505	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	-3.30	-0.001248	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	-2.10	-0.000794	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VL	NT	-4.70	-0.001847	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VN	NT	-2.00	-0.000786	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VH	NT	-1.40	-0.000550	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VL	NT	-7.80	-0.003006	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VN	NT	-7.60	-0.002929	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VH	NT	-8.50	-0.003276	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	-1.80	-0.000681	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	-2.80	-0.001059	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	-5.00	-0.001965	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	-2.10	-0.000825	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VL	NT	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VN	NT	-5.50	-0.002119	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VH	NT	-9.00	-0.003468	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	-3.20	-0.001210	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-1.90	-0.000718	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	-3.00	-0.001134	±2.5	PASS



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

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



8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	NV	-30	-2.70	-0.001061	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	-3.70	-0.001454	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-10	-2.50	-0.000982	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	-2.60	-0.001022	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	-5.40	-0.002122	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	-2.60	-0.001022	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	30	-4.80	-0.001886	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	40	-1.50	-0.000589	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	50	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-30	-8.50	-0.003276	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-20	-10.40	-0.004008	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-10	-4.80	-0.001850	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	0	-8.30	-0.003198	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	10	-6.90	-0.002659	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	20	-7.00	-0.002697	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	30	-4.40	-0.001696	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	40	-9.20	-0.003545	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	50	-6.10	-0.002351	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	-1.80	-0.000681	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	-0.10	-0.000038	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-10	-0.10	-0.000038	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	-2.20	-0.000832	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	-2.30	-0.000870	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	-2.50	-0.000945	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	-1.60	-0.000605	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	-3.00	-0.001134	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-2.50	-0.000945	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-30	-5.00	-0.001965	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-20	0.20	0.000079	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-10	-2.00	-0.000786	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	0	0.80	0.000314	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	10	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	20	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	30	-3.80	-0.001493	±2.5	PASS



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

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



Band41	20MHz	64QAM	40140	100RB#0	NV	40	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	50	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-30	-5.00	-0.001927	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-20	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-10	-6.60	-0.002543	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	0	-8.10	-0.003121	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	10	-9.40	-0.003622	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	20	-7.80	-0.003006	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	30	-8.80	-0.003391	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	40	-9.30	-0.003584	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	50	-8.70	-0.003353	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	-2.40	-0.000907	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-3.40	-0.001285	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-10	-4.80	-0.001815	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	2.50	0.000945	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	1.20	0.000454	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	-0.80	-0.000302	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	-1.80	-0.000681	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	-2.40	-0.000907	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	-1.60	-0.000605	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	-0.50	-0.000196	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-10	-2.90	-0.001139	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	-3.80	-0.001493	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	-1.70	-0.000668	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	-4.10	-0.001611	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	30	-5.10	-0.002004	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	40	-3.20	-0.001257	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	50	-3.50	-0.001375	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-30	-9.50	-0.003661	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-20	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-10	-7.30	-0.002813	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	0	-10.70	-0.004123	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	10	-11.10	-0.004277	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	20	-6.80	-0.002620	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	30	-8.30	-0.003198	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	40	-8.40	-0.003237	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	50	-8.00	-0.003083	±2.5	PASS



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

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



Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-4.20	-0.001588	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	0.20	0.000076	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-10	-2.50	-0.000945	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	-2.20	-0.000832	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	-2.10	-0.000794	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	-2.10	-0.000794	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	-2.80	-0.001059	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	-1.20	-0.000454	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	-1.30	-0.000491	±2.5	PASS

