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-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 Testing Center-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

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
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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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
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	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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-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 Electronic 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	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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]

通标标准技术服务有限公司深圳分公司 检验检测专用章 Inspection & Testing Services
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

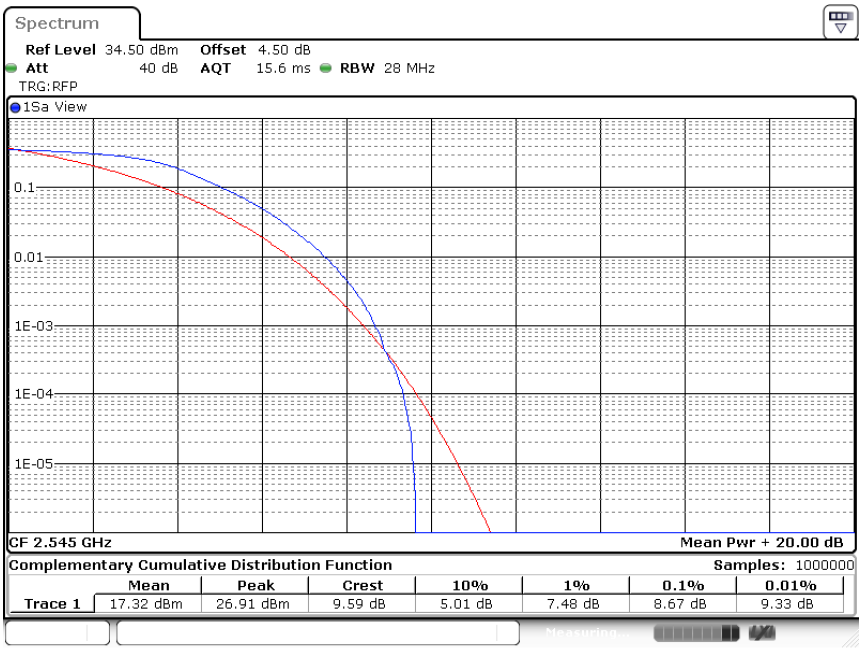
2. Peak-to-Average Ratio (CCDF)

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

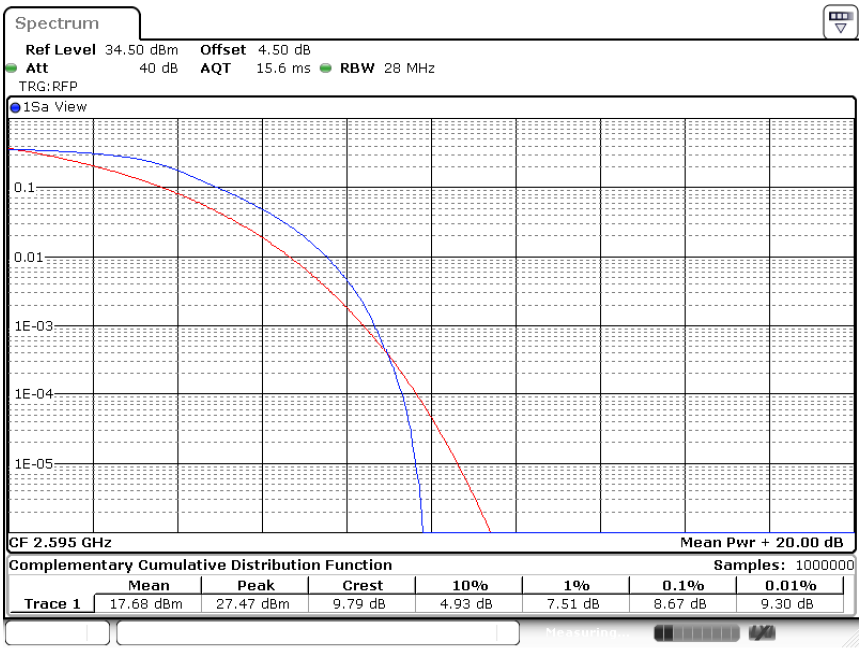
Band41-20MHz-QPSK-40140-100RB#0



Date: 4.SEP.2020 09:51:13

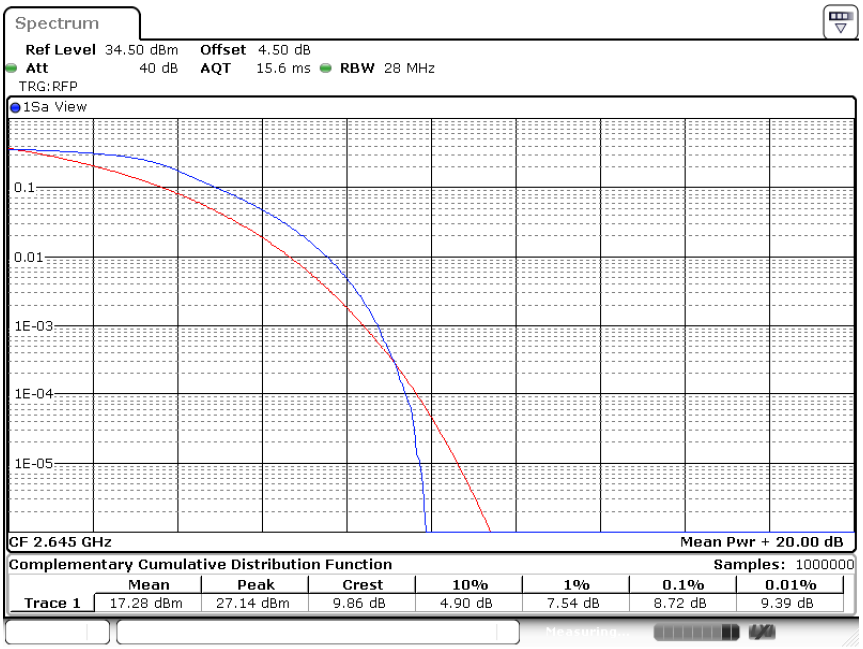
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

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



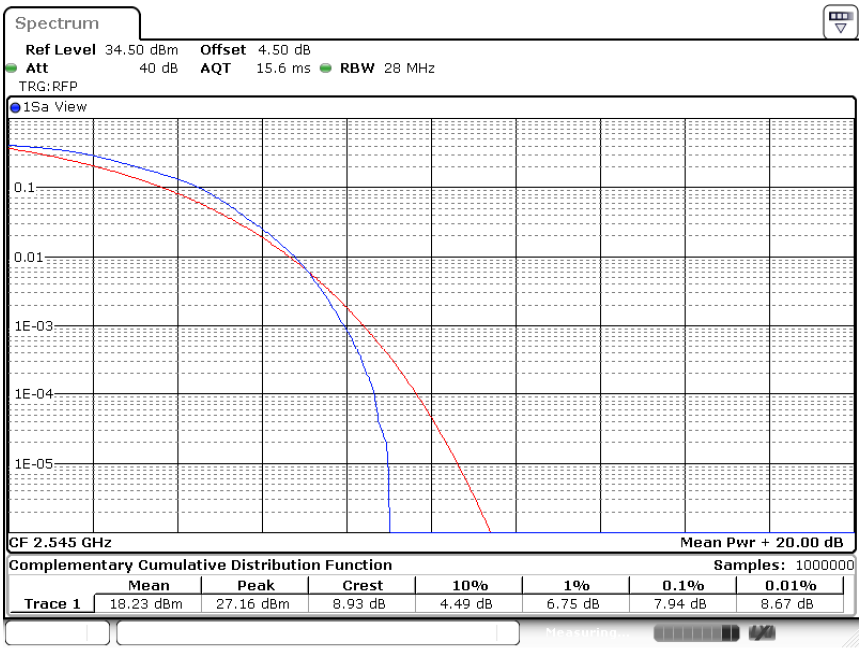
Date: 4.SEP.2020 09:51:59

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

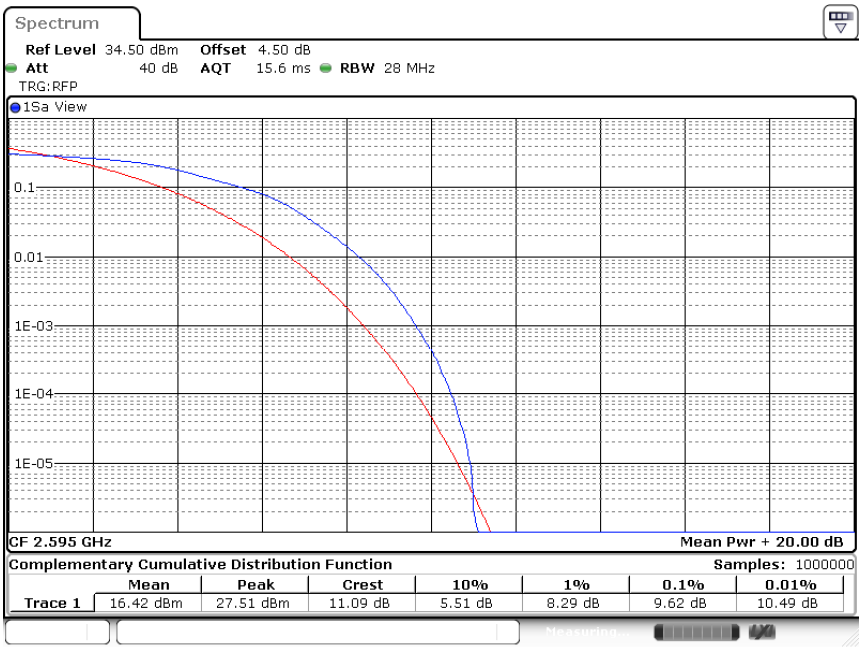
Member of the SGS Group (SGS SA)

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



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

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



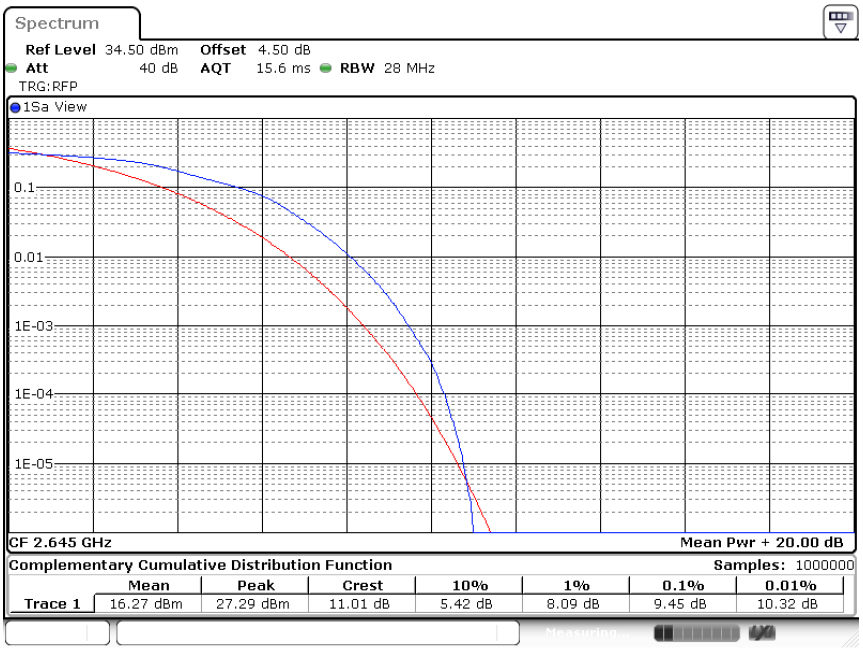
Date: 4.SEP.2020 10:32:23

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

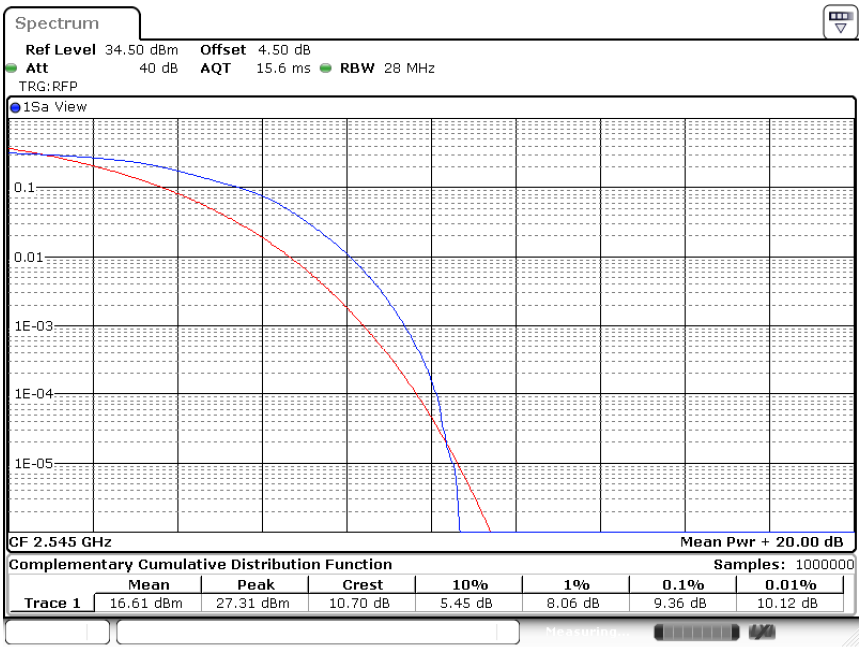
Member of the SGS Group (SGS SA)

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



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

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



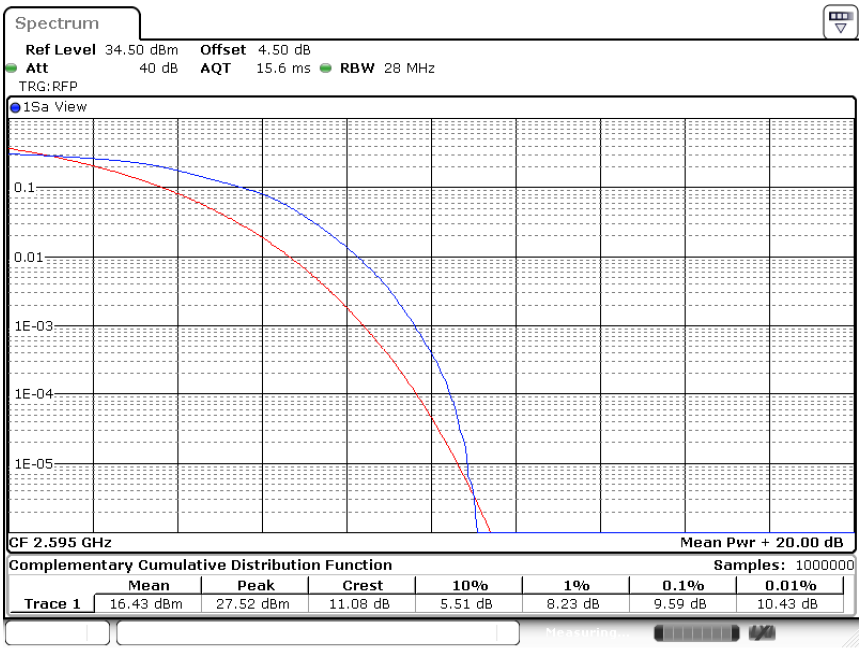
Date: 4.SEP.2020 09:51:25

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

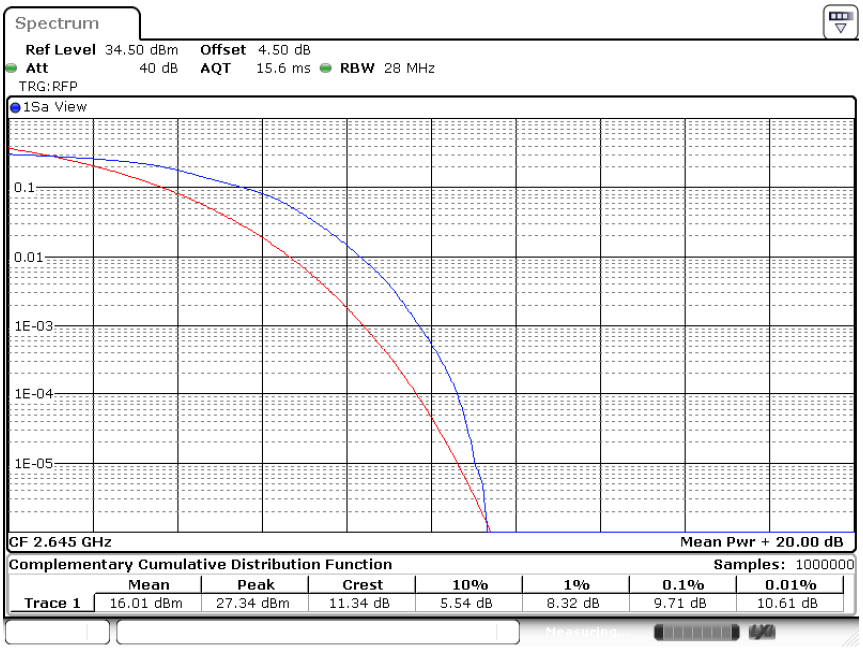
Member of the SGS Group (SGS SA)

Band41-20MHz-16QAM-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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

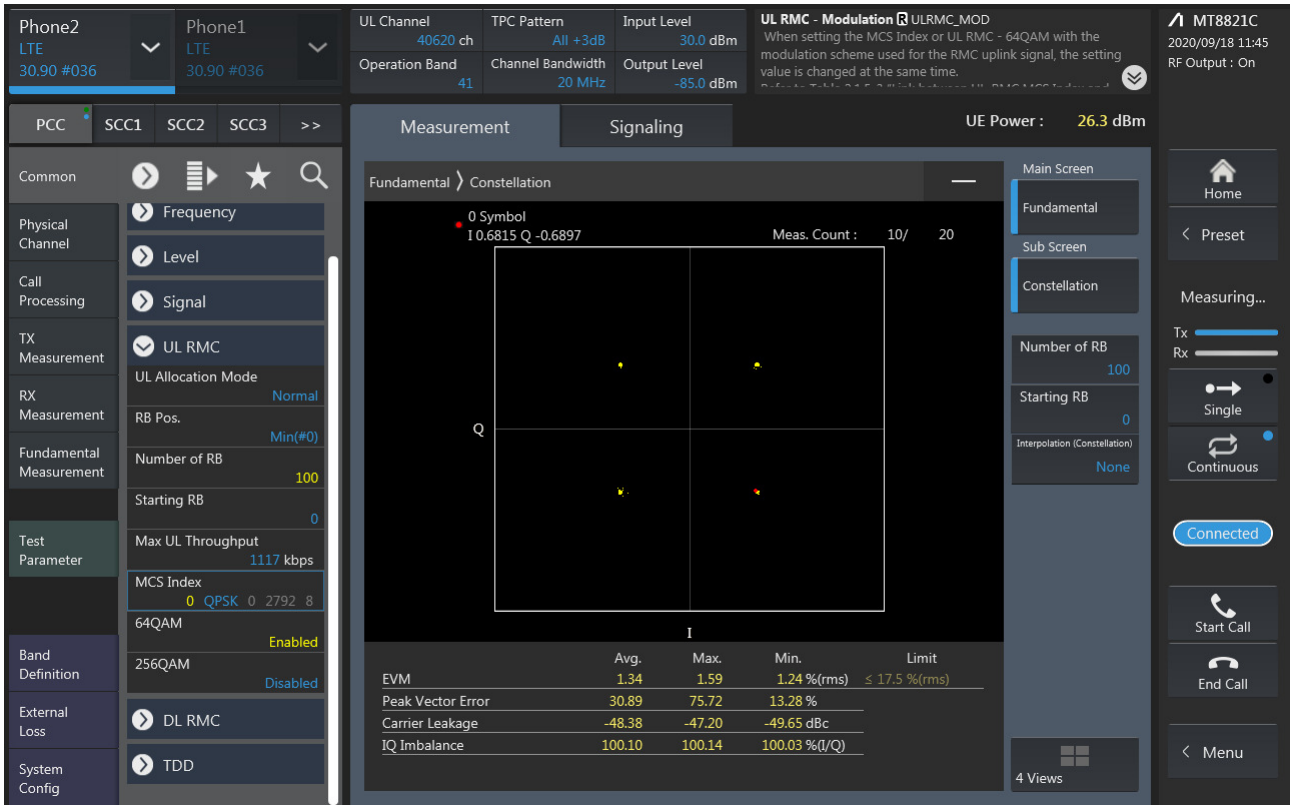
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

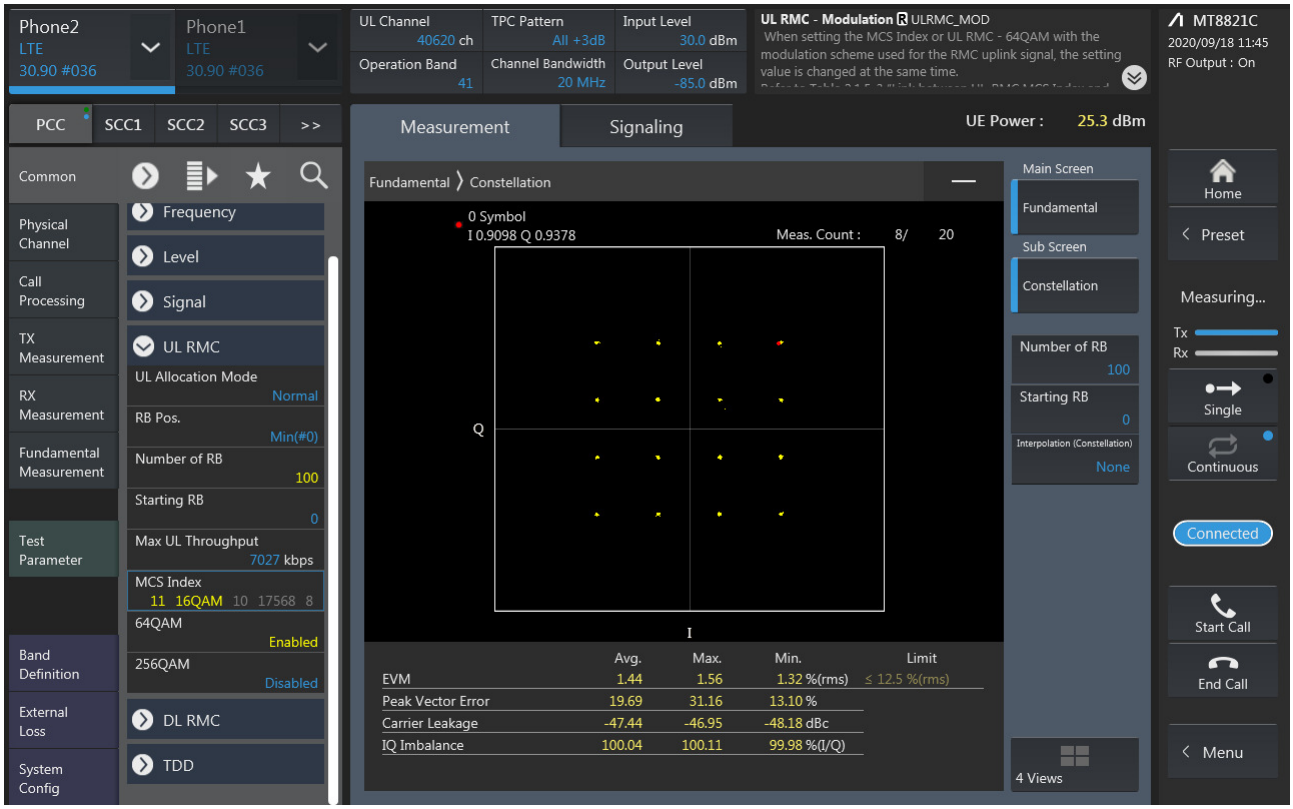
3.1.1.Test Channel = MCH



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

3.2. Test Mode = LTE /TM2 20MHz

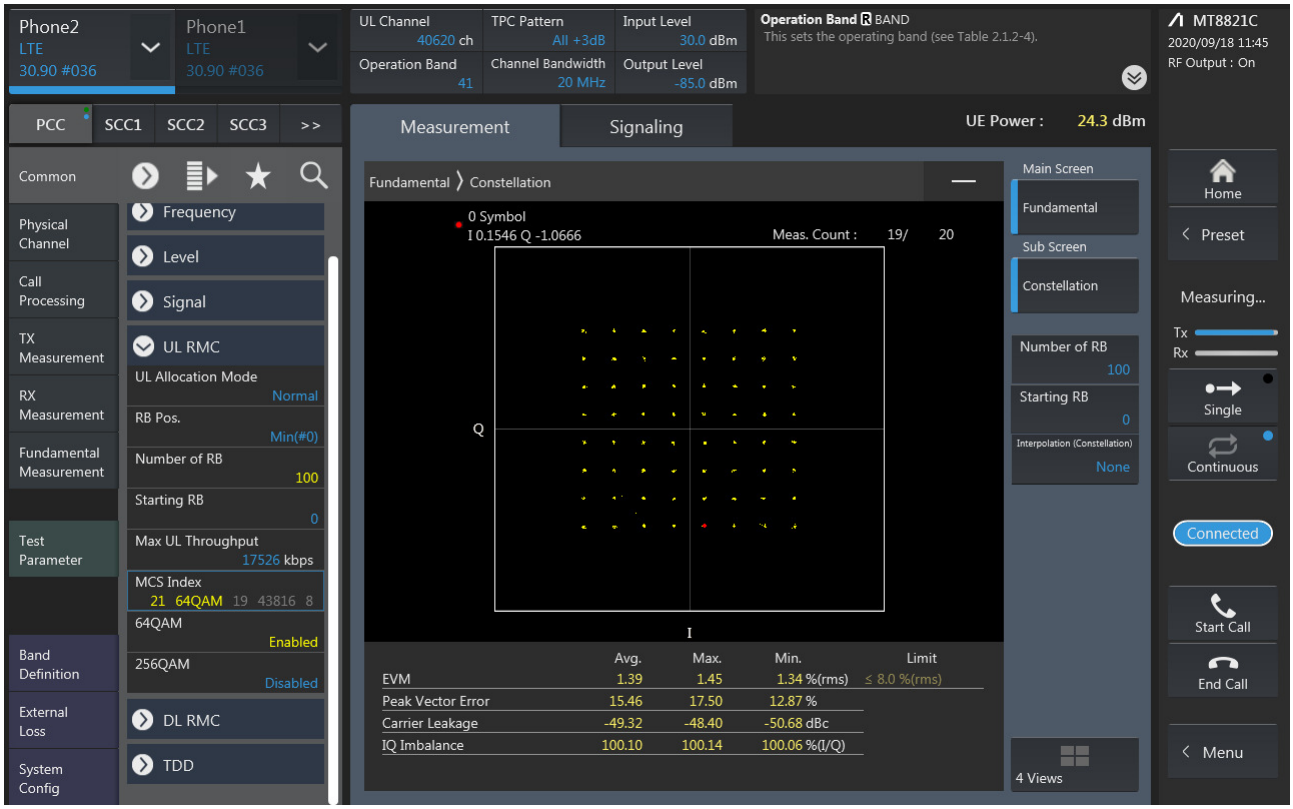
3.2.1.Test Channel = MCH



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

3.3. Test Mode = LTE /TM3 20MHz

3.3.1.Test Channel = MCH



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

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

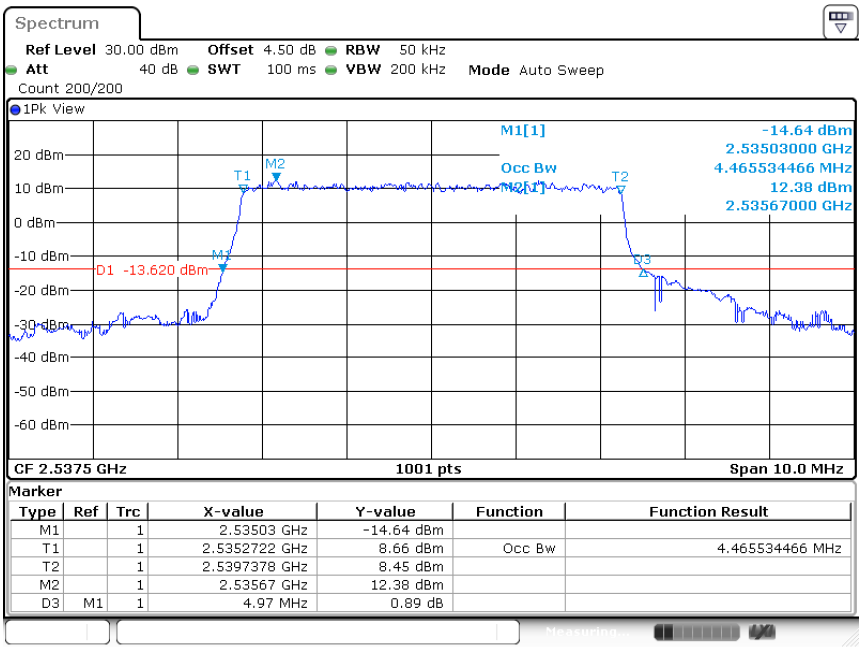
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40065	25RB#0	4.466	4.970	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.476	4.970	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.476	4.950	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.466	4.900	PASS
Band41	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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-40065-25RB#0-4.466



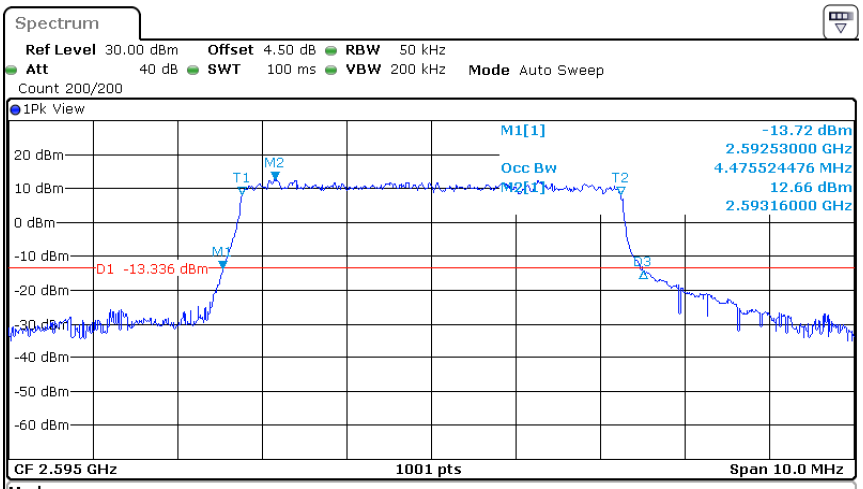
Date: 4.SEP.2020 09:21:23

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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)

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

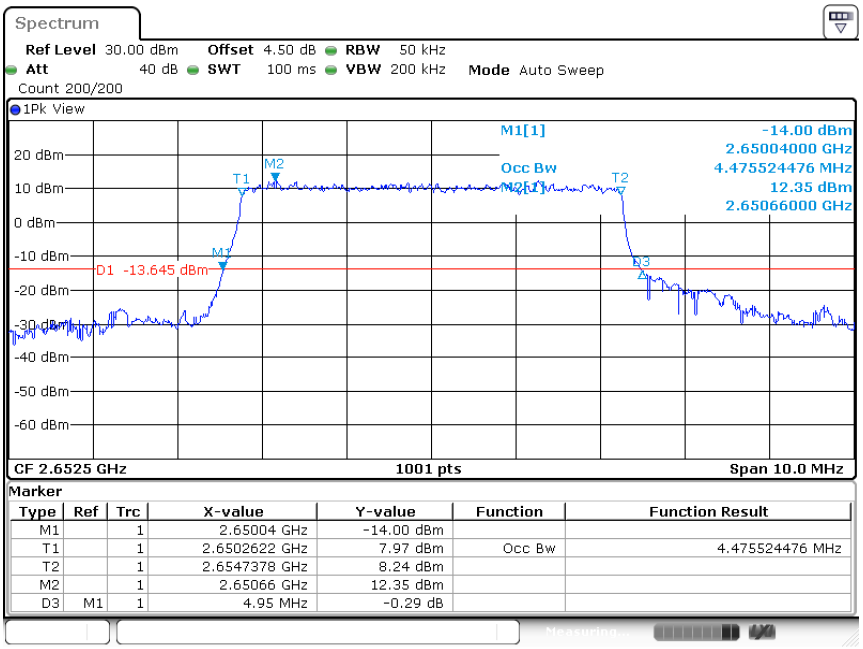


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59253 GHz	-13.72 dBm		
T1		1	2.5927622 GHz	8.31 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5972378 GHz	8.25 dBm		
M2		1	2.59316 GHz	12.66 dBm		
D3	M1	1	4.97 MHz	-0.45 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.65004 GHz	-14.00 dBm		
T1		1	2.6502622 GHz	7.97 dBm	Occ Bw	4.475524476 MHz
T2		1	2.6547378 GHz	8.24 dBm		
M2		1	2.65066 GHz	12.35 dBm		
D3	M1	1	4.95 MHz	-0.29 dB		

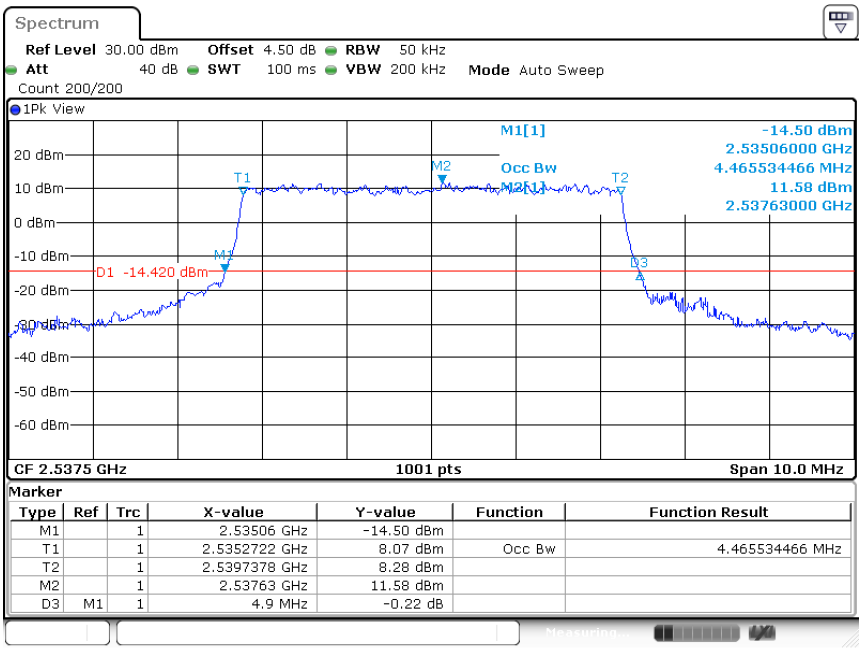
Date: 4.SEP.2020 09:23:34

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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)

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

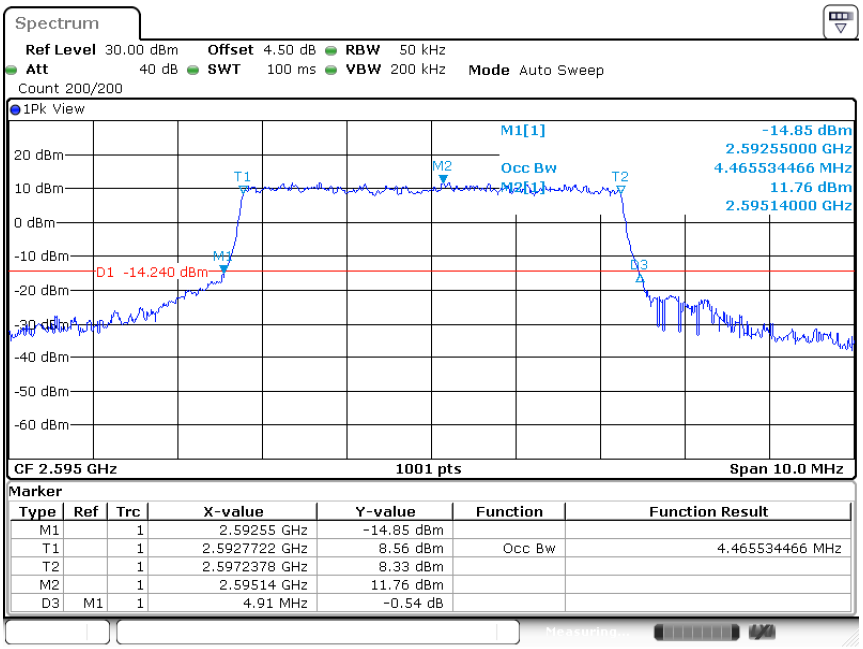


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53506 GHz	-14.50 dBm		
T1		1	2.5352722 GHz	8.07 dBm	Occ Bw	4.465534466 MHz
T2		1	2.5397378 GHz	8.28 dBm		
M2		1	2.53763 GHz	11.58 dBm		
D3	M1	1	4.9 MHz	-0.22 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59255 GHz	-14.85 dBm		
T1		1	2.5927722 GHz	8.56 dBm	Occ Bw	4.465534466 MHz
T2		1	2.5972378 GHz	8.33 dBm		
M2		1	2.59514 GHz	11.76 dBm		
D3	M1	1	4.91 MHz	-0.54 dB		

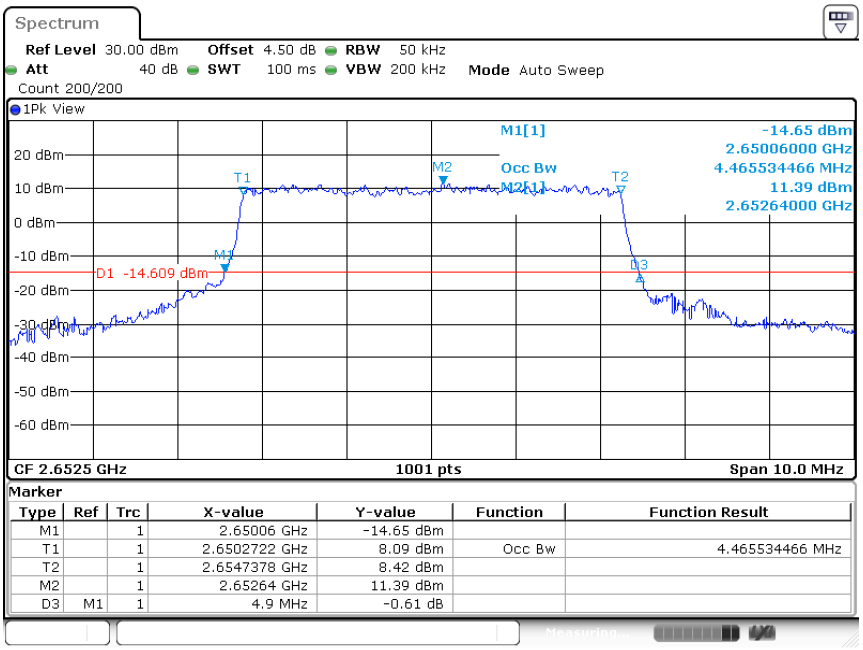
Date: 4.SEP.2020 10:09:40

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

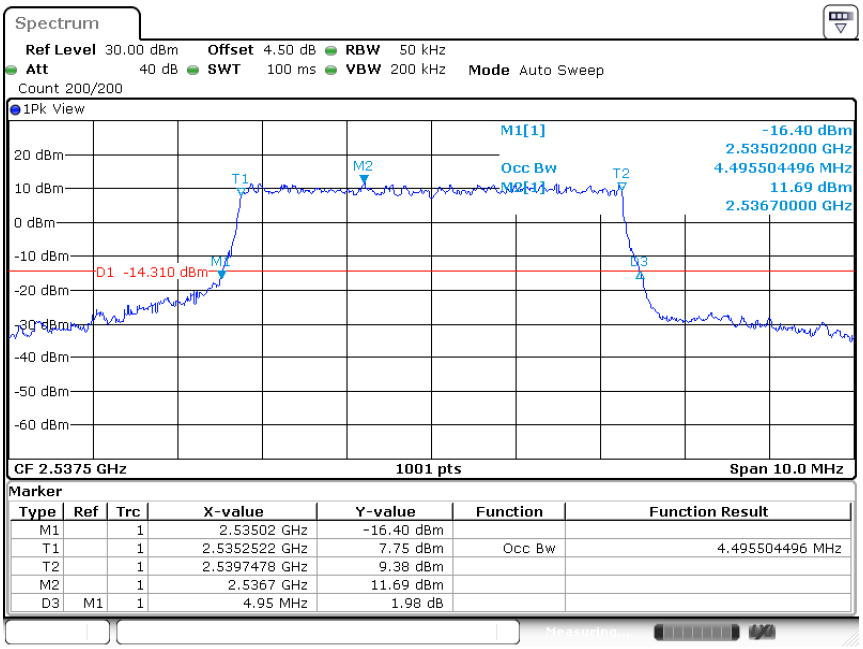
Member of the SGS Group (SGS SA)

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



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

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



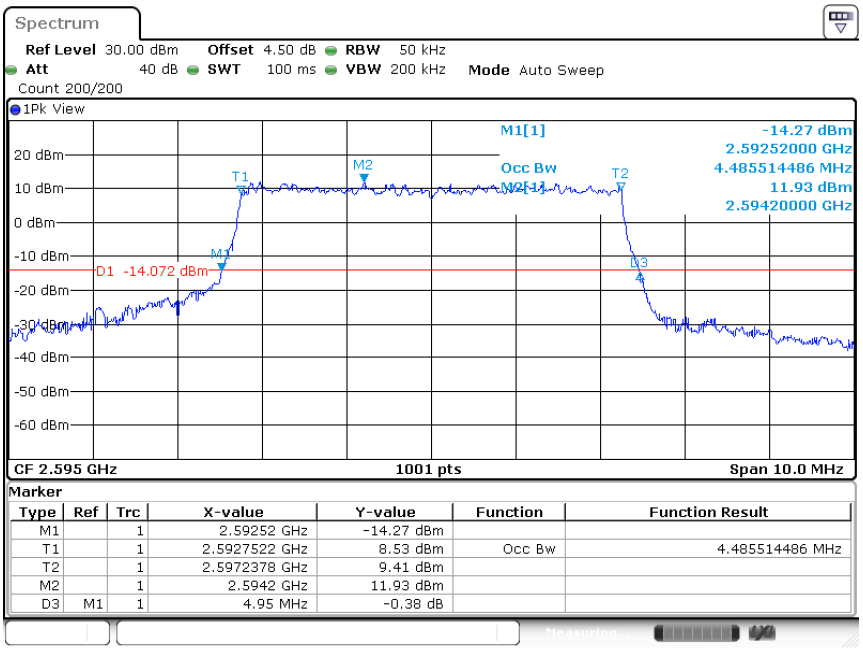
Date: 4.SEP.2020 09:21:55

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

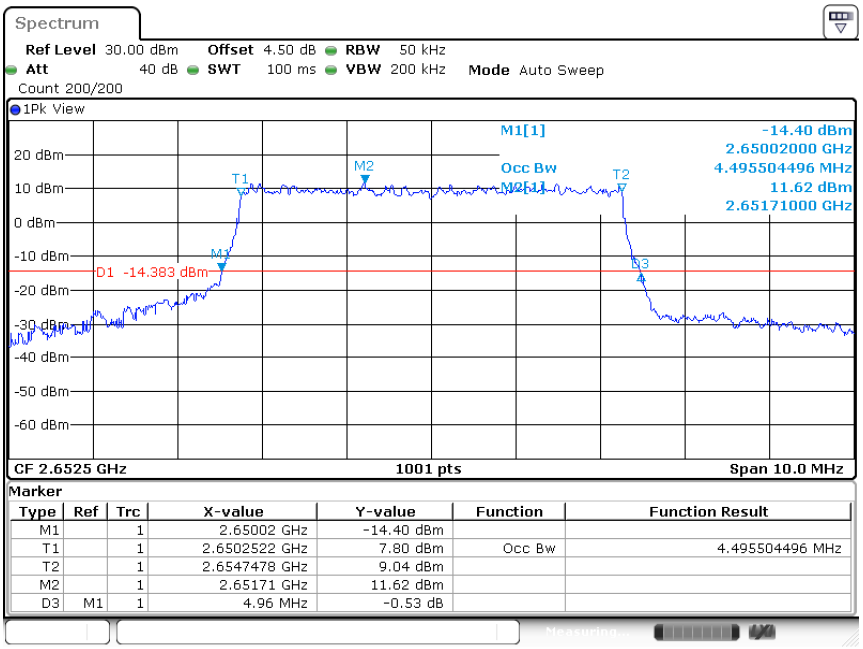
Member of the SGS Group (SGS SA)

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



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

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



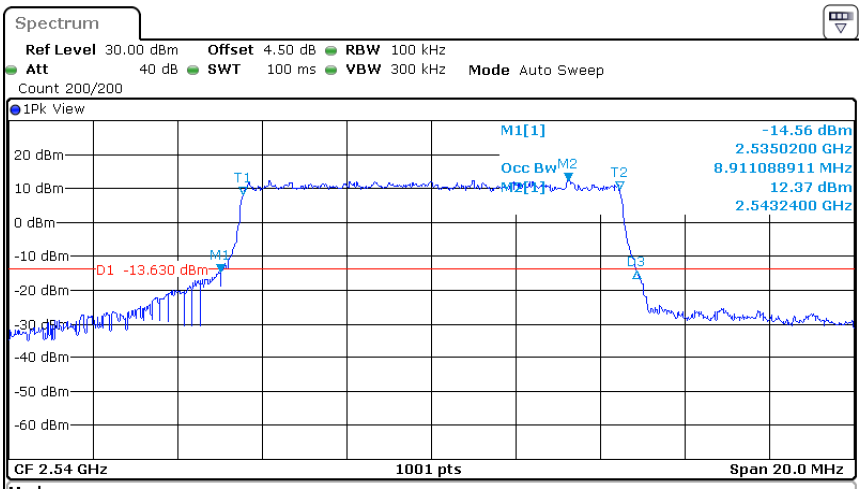
Date: 4.SEP.2020 09:24:06

通标标准技术服务有限公司深圳分公司 检验检测专用章 Inspection & Testing Services
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

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

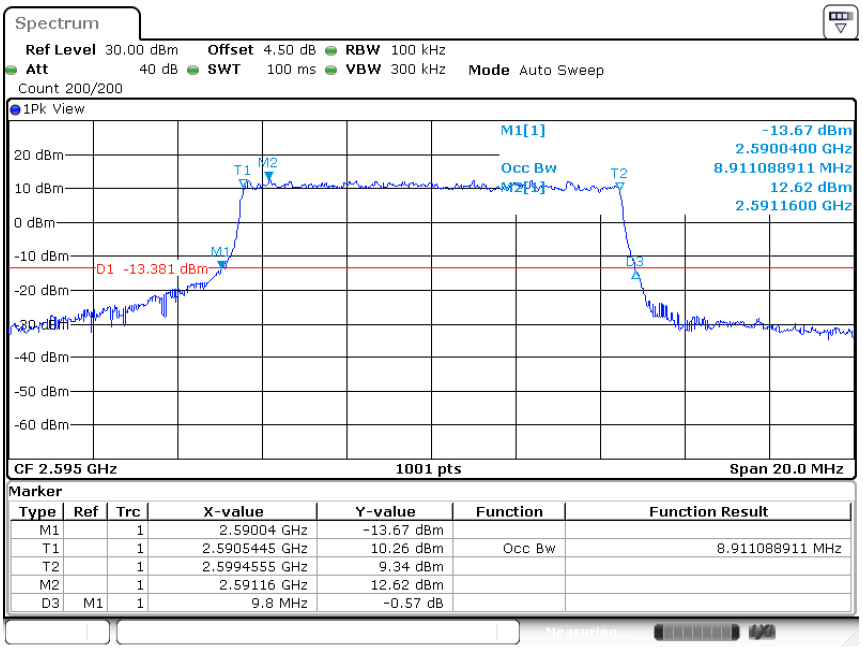


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53502 GHz	-14.56 dBm		
T1		1	2.5355445 GHz	8.31 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5444555 GHz	9.69 dBm		
M2		1	2.54324 GHz	12.37 dBm		
D3	M1	1	9.84 MHz	0.37 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59004 GHz	-13.67 dBm		
T1		1	2.5905445 GHz	10.26 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5994555 GHz	9.34 dBm		
M2		1	2.59116 GHz	12.62 dBm		
D3	M1	1	9.8 MHz	-0.57 dB		

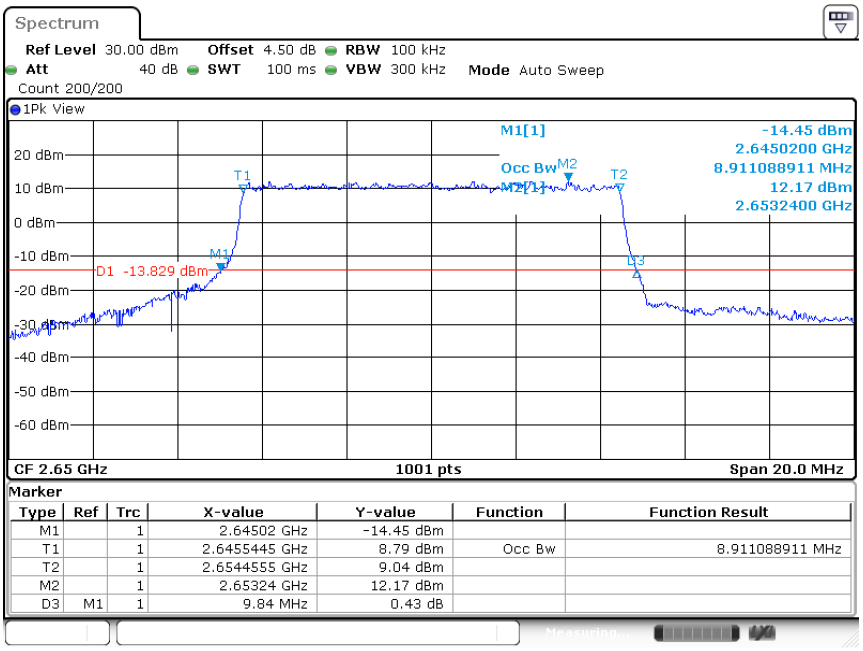
Date: 4.SEP.2020 09:25:49

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

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

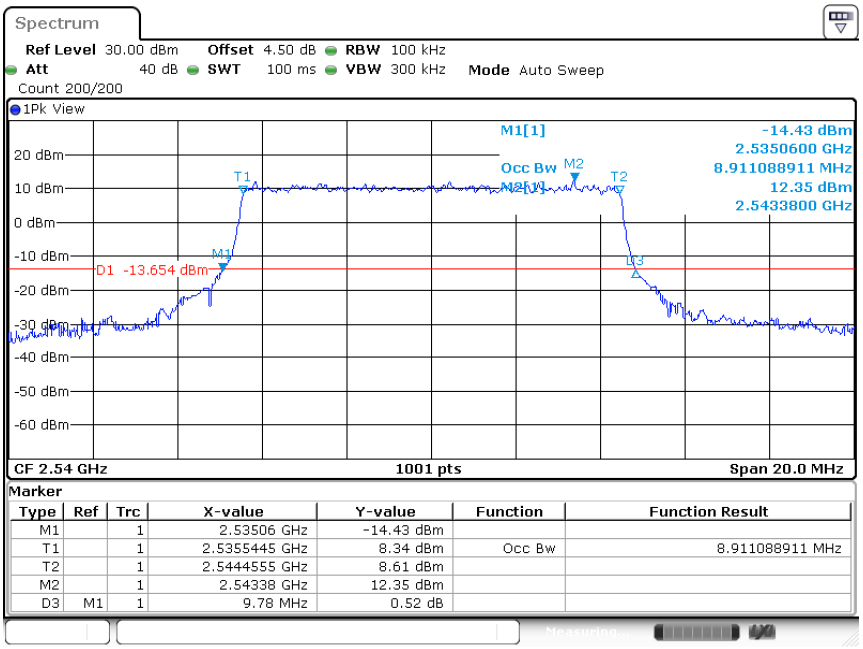
Member of the SGS Group (SGS SA)

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



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

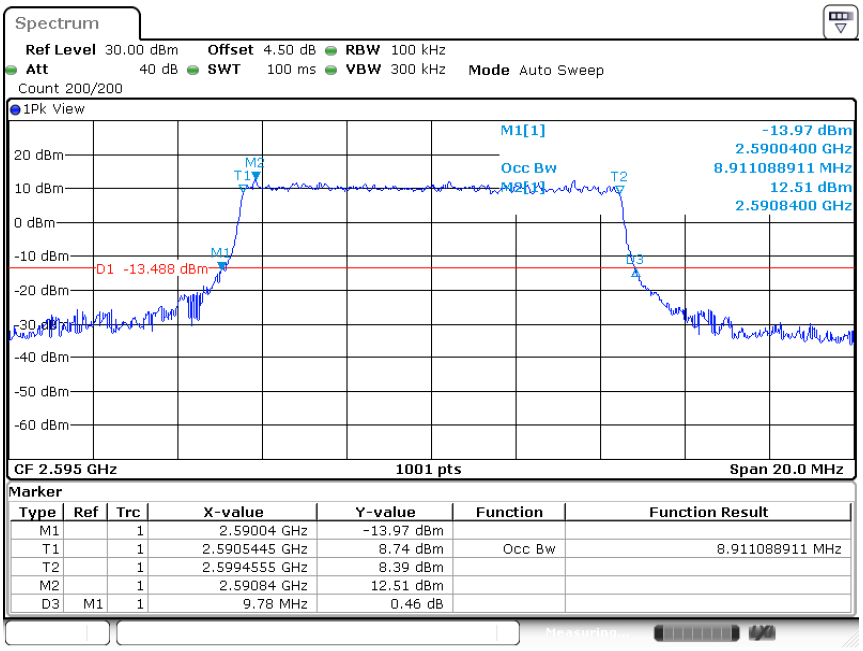
Band41-10MHz-64QAM-40090-50RB#0-8.911



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

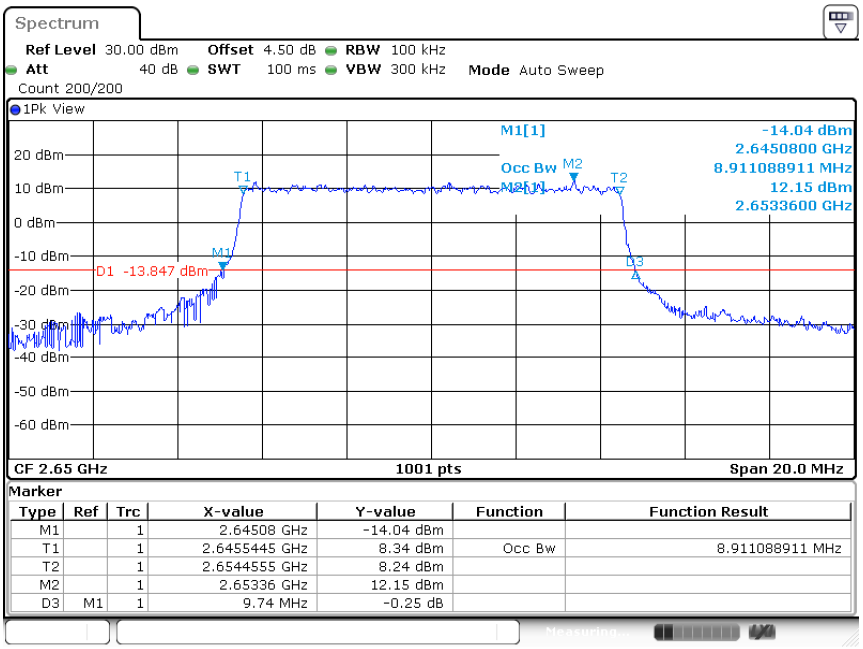
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

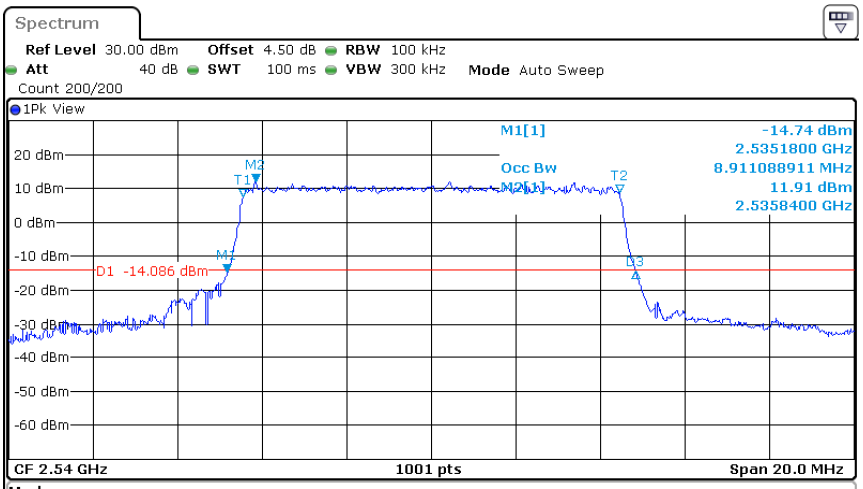
Band41-10MHz-64QAM-41190-50RB#0-8.911



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

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

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

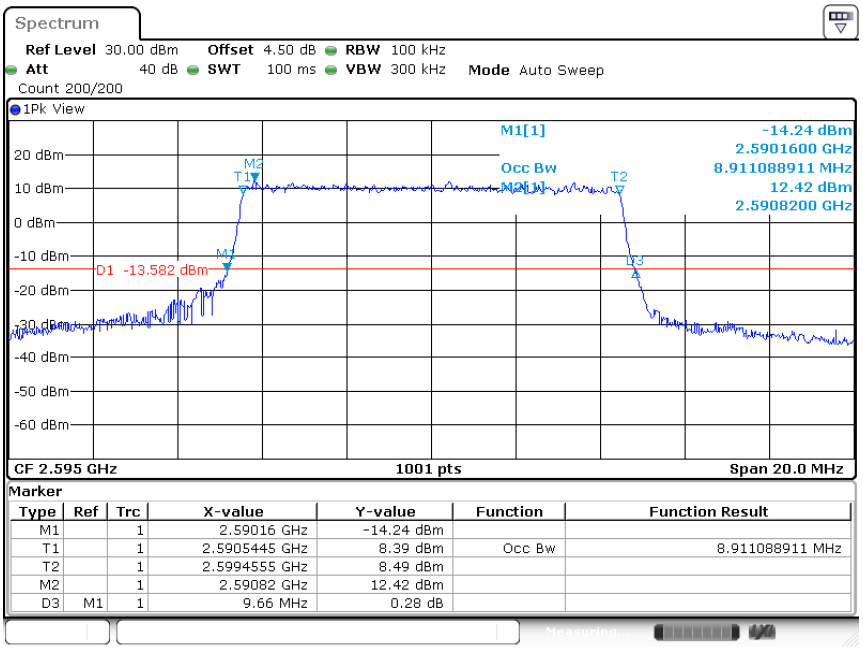


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53518 GHz	-14.74 dBm		
T1		1	2.5355445 GHz	7.65 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5444555 GHz	8.64 dBm		
M2		1	2.53584 GHz	11.91 dBm		
D3	M1	1	9.66 MHz	0.39 dB		

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

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



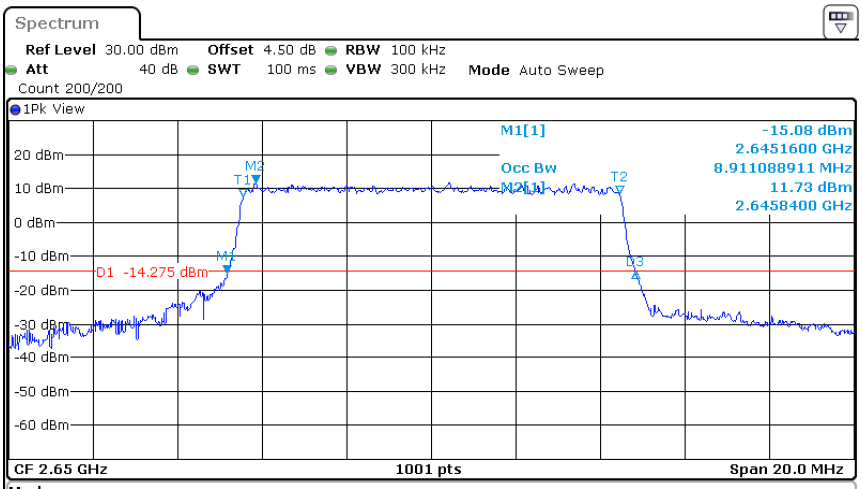
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59016 GHz	-14.24 dBm		
T1		1	2.5905445 GHz	8.39 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5994555 GHz	8.49 dBm		
M2		1	2.59082 GHz	12.42 dBm		
D3	M1	1	9.66 MHz	0.28 dB		

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

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

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

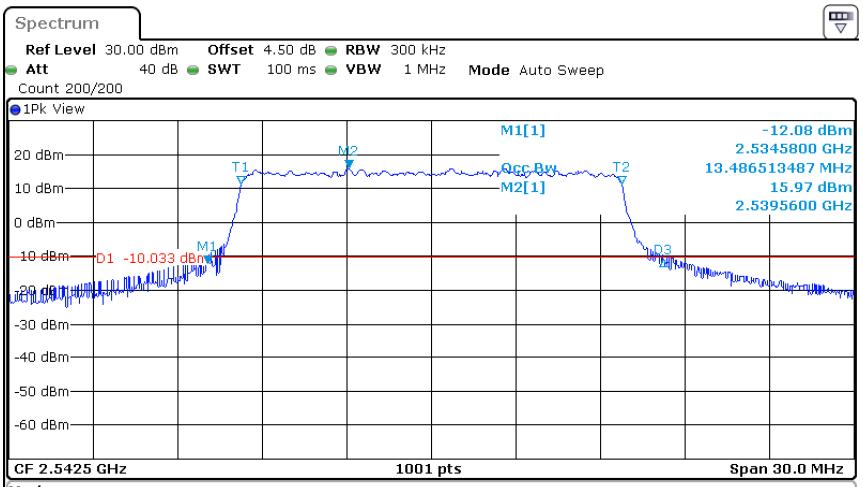


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.64516 GHz	-15.08 dBm		
T1		1	2.6455445 GHz	7.51 dBm	Occ Bw	8.911088911 MHz
T2		1	2.6544555 GHz	8.35 dBm		
M2		1	2.64584 GHz	11.73 dBm		
D3	M1	1	9.66 MHz	0.79 dB		

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

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



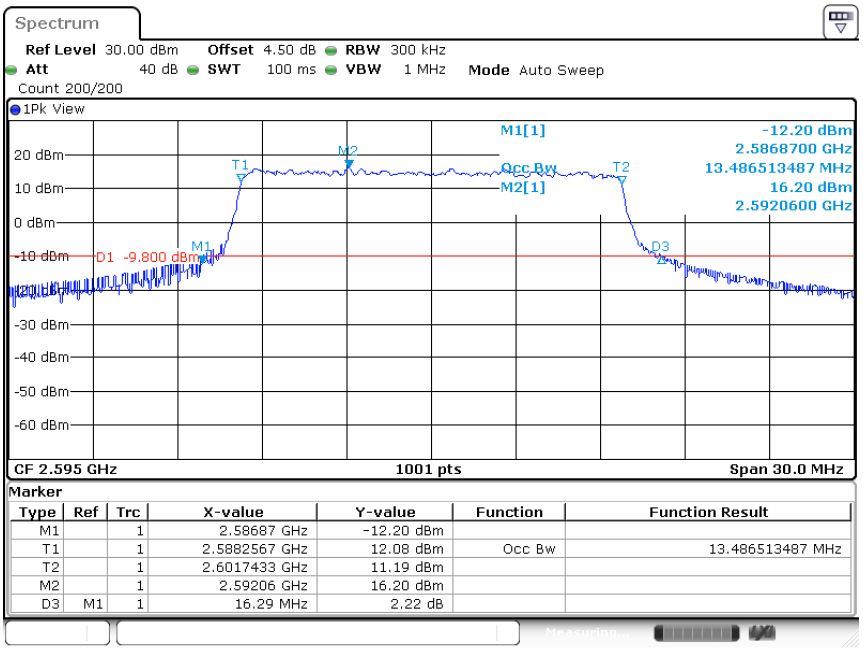
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53458 GHz	-12.08 dBm		
T1		1	2.5357567 GHz	11.47 dBm	Occ Bw	13.486513487 MHz
T2		1	2.5492433 GHz	11.22 dBm		
M2		1	2.53956 GHz	15.97 dBm		
D3	M1	1	16.14 MHz	1.23 dB		

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

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

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

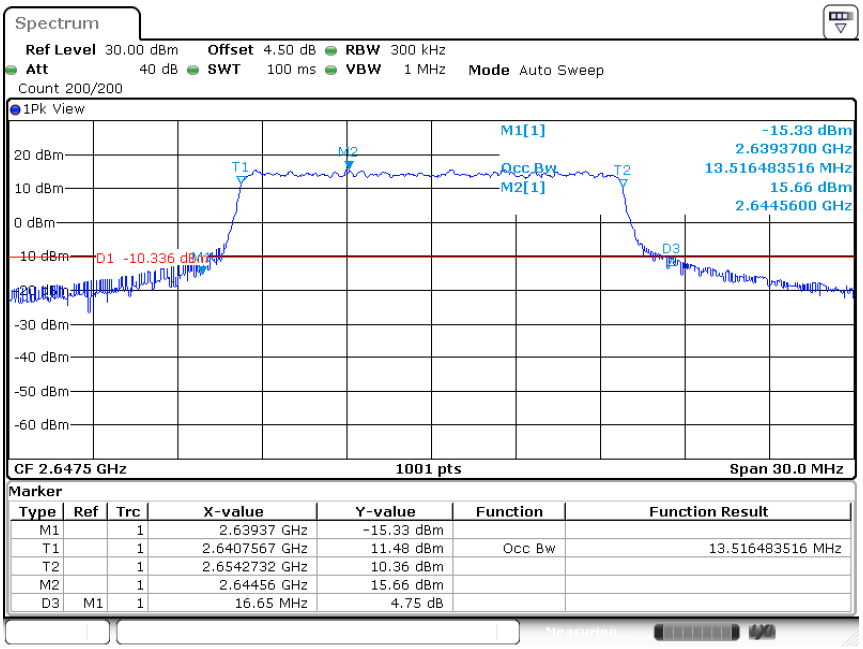


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58687 GHz	-12.20 dBm		
T1		1	2.5882567 GHz	12.08 dBm	Occ Bw	13.486513487 MHz
T2		1	2.6017433 GHz	11.19 dBm		
M2		1	2.59206 GHz	16.20 dBm		
D3	M1	1	16.29 MHz	2.22 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.63937 GHz	-15.33 dBm		
T1		1	2.6407567 GHz	11.48 dBm	Occ Bw	13.516483516 MHz
T2		1	2.6542732 GHz	10.36 dBm		
M2		1	2.64456 GHz	15.66 dBm		
D3	M1	1	16.65 MHz	4.75 dB		

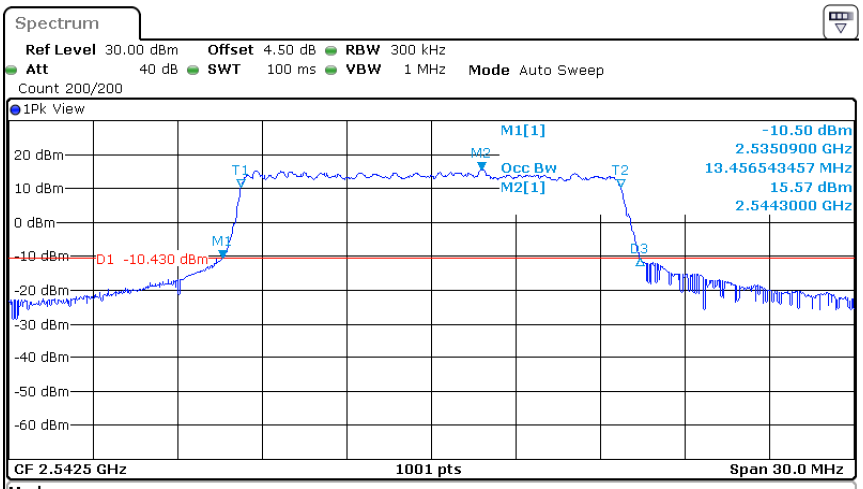
Date: 4.SEP.2020 09:30:15

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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)

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

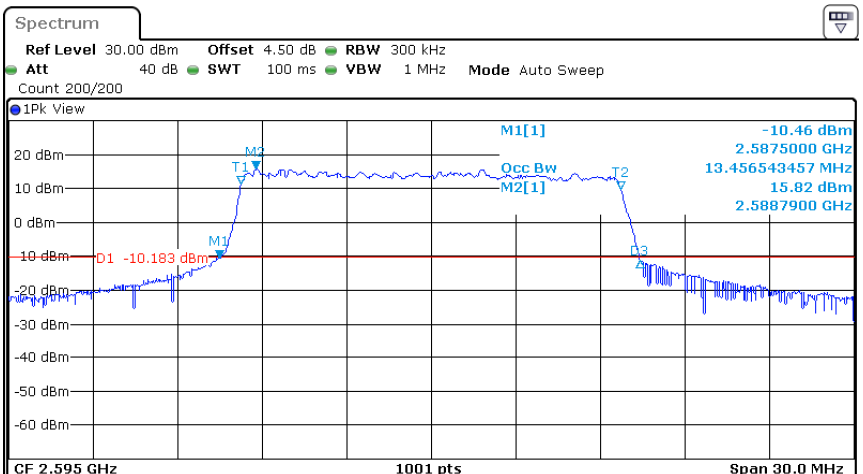


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53509 GHz	-10.50 dBm		
T1		1	2.5357567 GHz	10.37 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5492133 GHz	10.28 dBm		
M2		1	2.5443 GHz	15.57 dBm		
D3	M1	1	14.79 MHz	-0.12 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5875 GHz	-10.46 dBm		
T1		1	2.5882567 GHz	11.42 dBm	Occ Bw	13.456543457 MHz
T2		1	2.6017133 GHz	9.84 dBm		
M2		1	2.58879 GHz	15.82 dBm		
D3	M1	1	14.91 MHz	-0.67 dB		

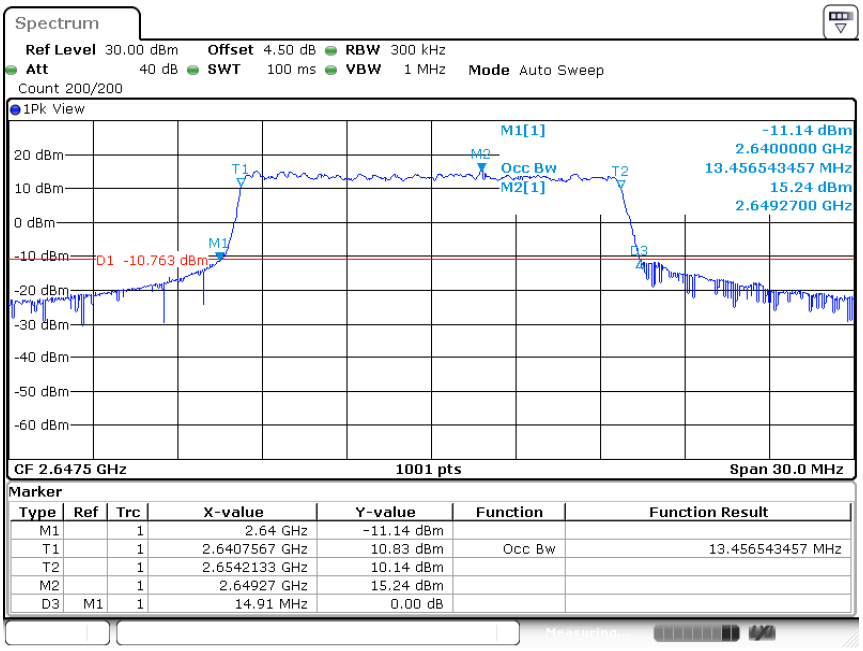
Date: 4.SEP.2020 10:13:07

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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)

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

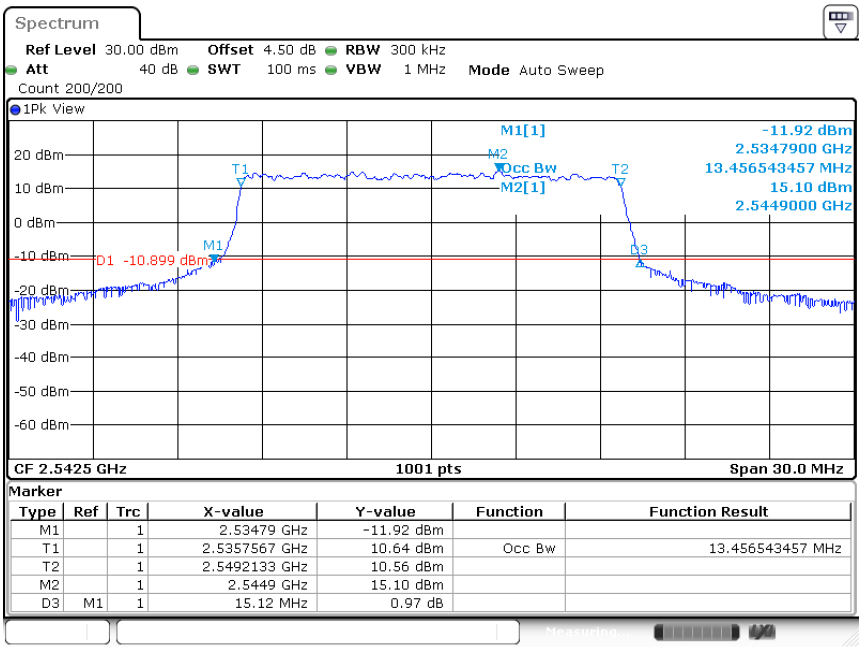


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.64 GHz	-11.14 dBm		
T1		1	2.6407567 GHz	10.83 dBm	Occ Bw	13.456543457 MHz
T2		1	2.6542133 GHz	10.14 dBm		
M2		1	2.64927 GHz	15.24 dBm		
D3	M1	1	14.91 MHz	0.00 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53479 GHz	-11.92 dBm		
T1		1	2.5357567 GHz	10.64 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5492133 GHz	10.56 dBm		
M2		1	2.5449 GHz	15.10 dBm		
D3	M1	1	15.12 MHz	0.97 dB		

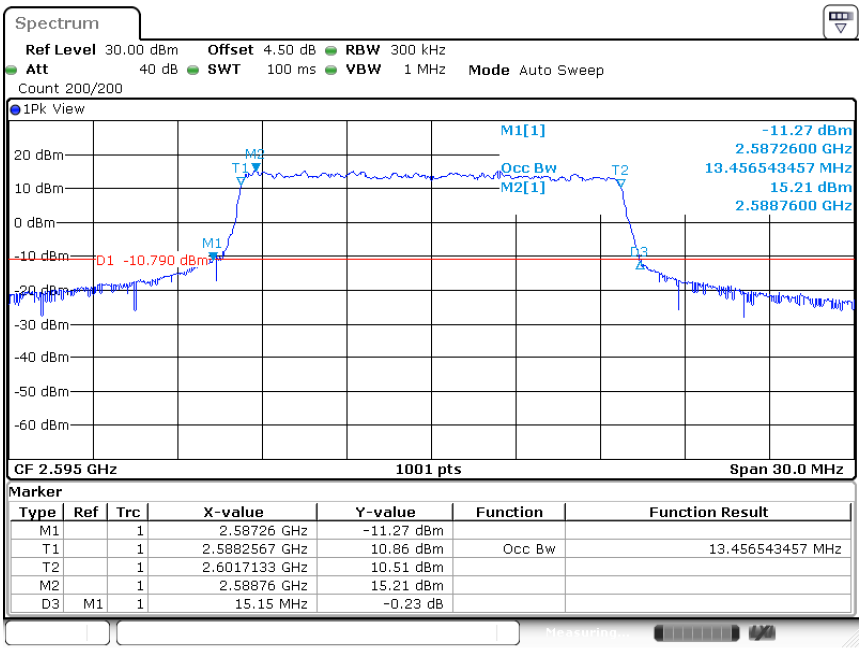
Date: 4.SEP.2020 09:28:37

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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)

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

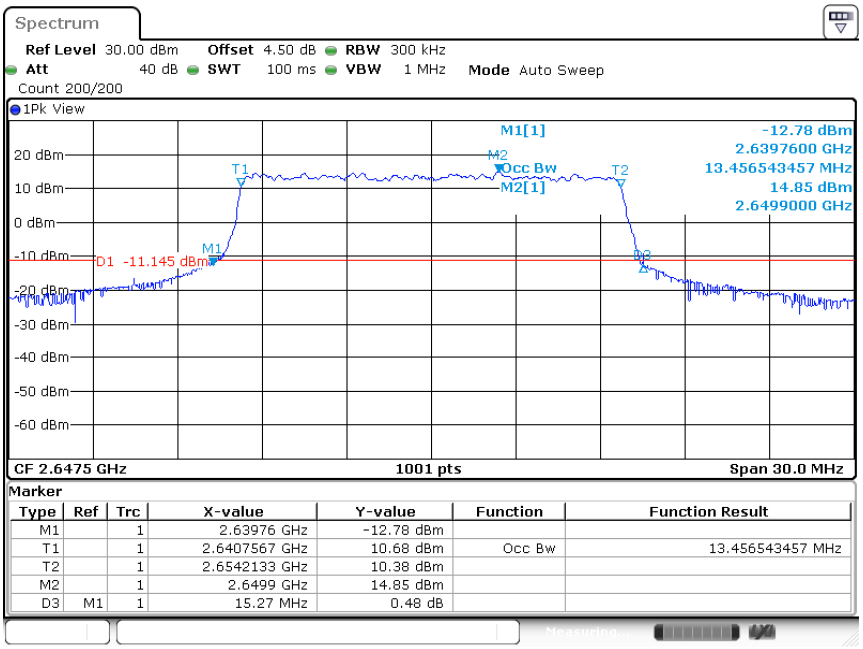


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58726 GHz	-11.27 dBm		
T1		1	2.5882567 GHz	10.86 dBm	Occ Bw	13.456543457 MHz
T2		1	2.6017133 GHz	10.51 dBm		
M2		1	2.58876 GHz	15.21 dBm		
D3	M1	1	15.15 MHz	-0.23 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.63976 GHz	-12.78 dBm		
T1		1	2.6407567 GHz	10.68 dBm	Occ Bw	13.456543457 MHz
T2		1	2.6542133 GHz	10.38 dBm		
M2		1	2.6499 GHz	14.85 dBm		
D3	M1	1	15.27 MHz	0.48 dB		

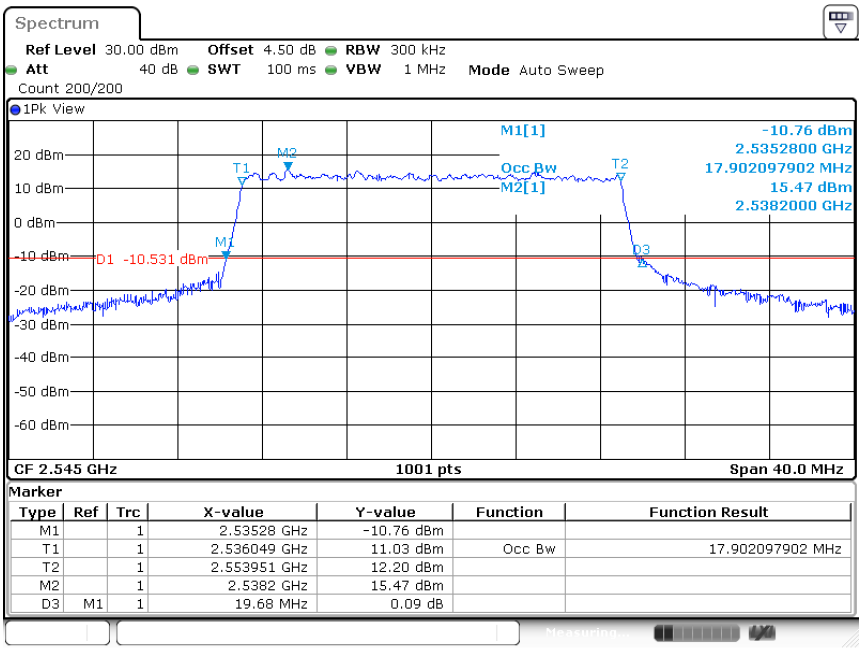
Date: 4.SEP.2020 09:30:47

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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-QPSK-40140-100RB#0-17.902

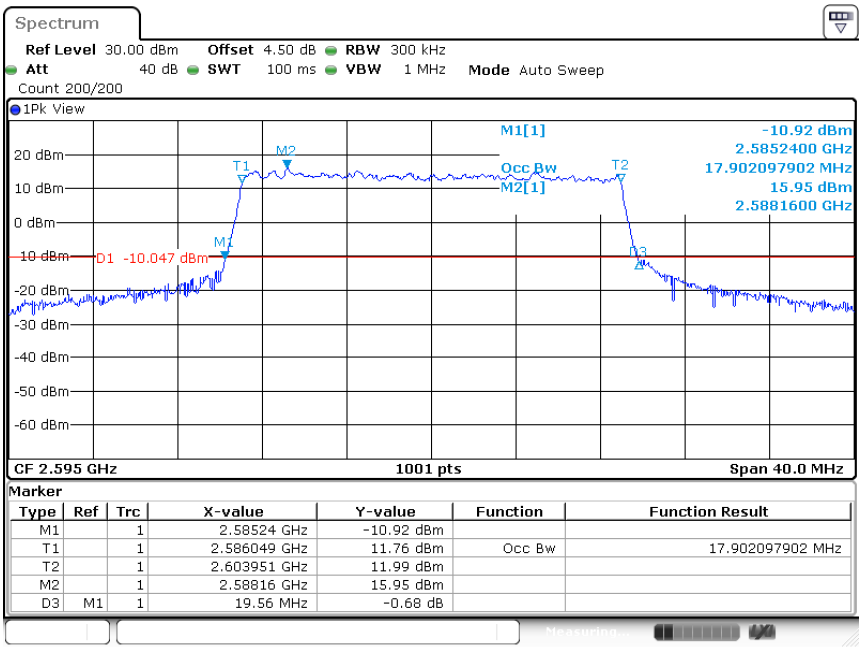


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53528 GHz	-10.76 dBm		
T1		1	2.536049 GHz	11.03 dBm	Occ Bw	17.902097902 MHz
T2		1	2.553951 GHz	12.20 dBm		
M2		1	2.5382 GHz	15.47 dBm		
D3	M1	1	19.68 MHz	0.09 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58524 GHz	-10.92 dBm		
T1		1	2.586049 GHz	11.76 dBm	Occ Bw	17.902097902 MHz
T2		1	2.603951 GHz	11.99 dBm		
M2		1	2.58816 GHz	15.95 dBm		
D3	M1	1	19.56 MHz	-0.68 dB		

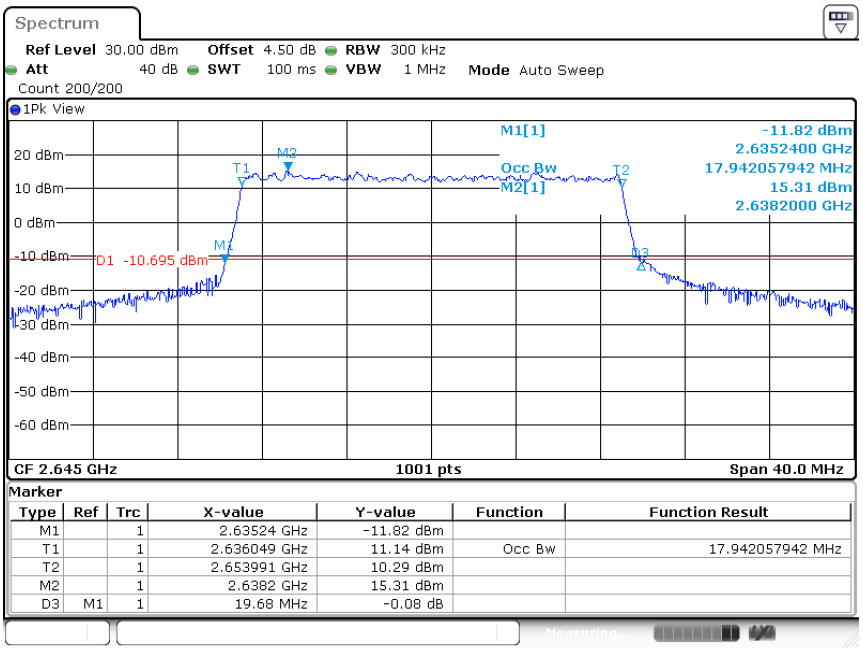
Date: 4.SEP.2020 09:32:30

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

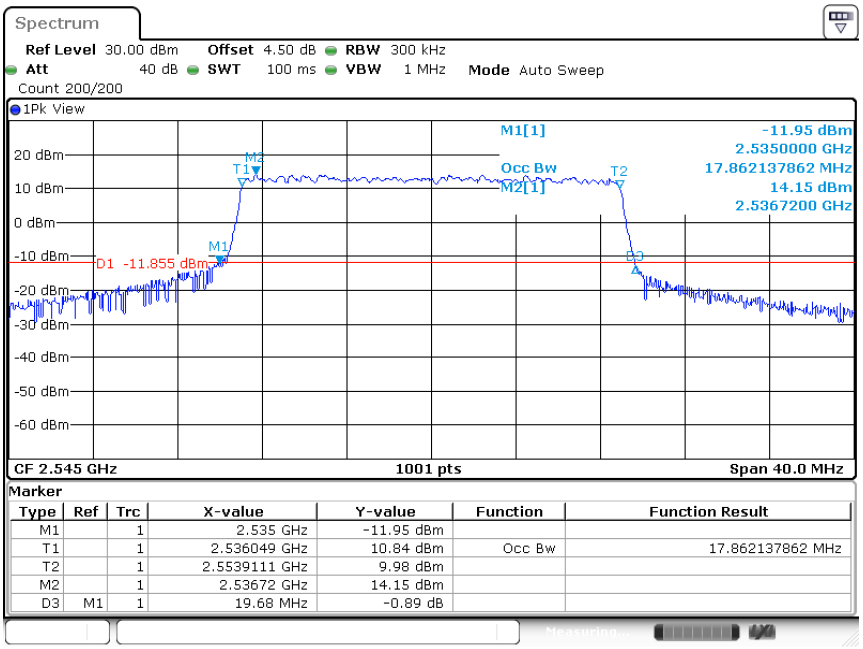
Member of the SGS Group (SGS SA)

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



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

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



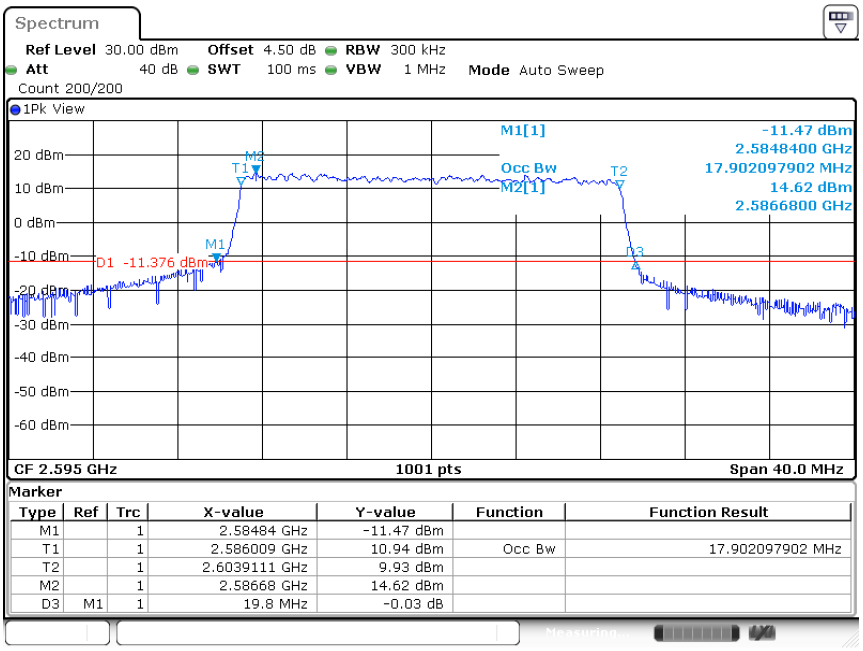
Date: 4.SEP.2020 10:14:18

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

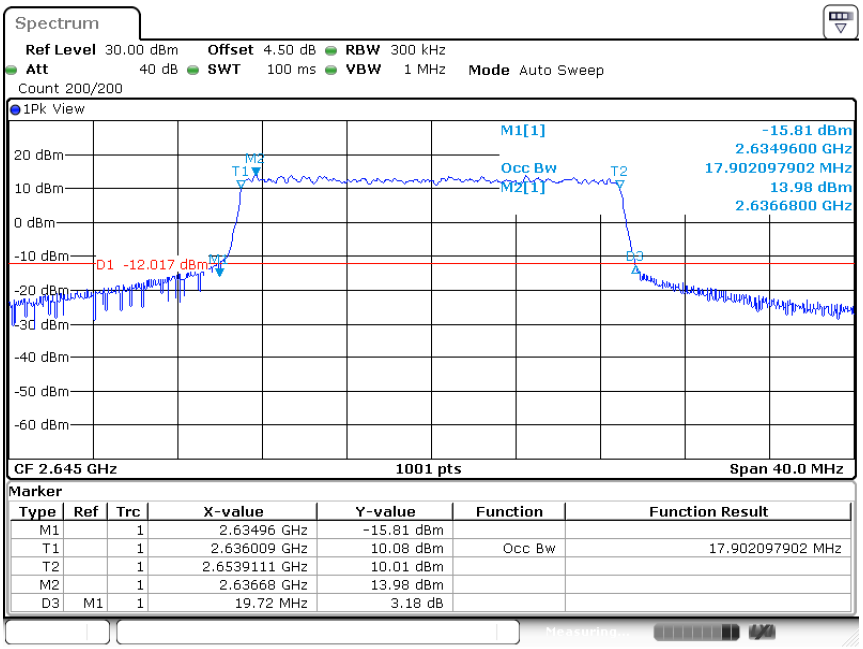
Member of the SGS Group (SGS SA)

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



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

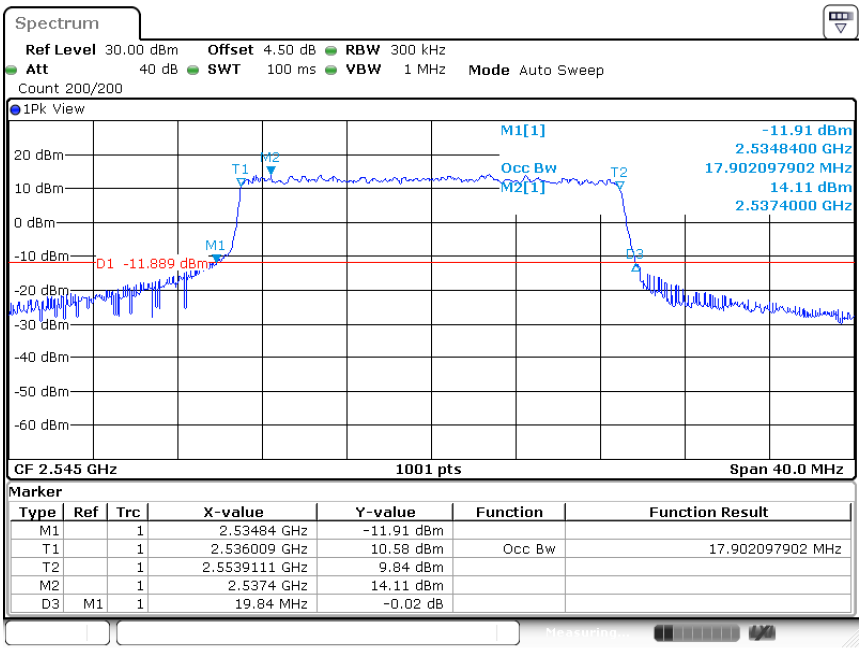
Band41-20MHz-64QAM-41140-100RB#0-17.902



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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#0-17.902

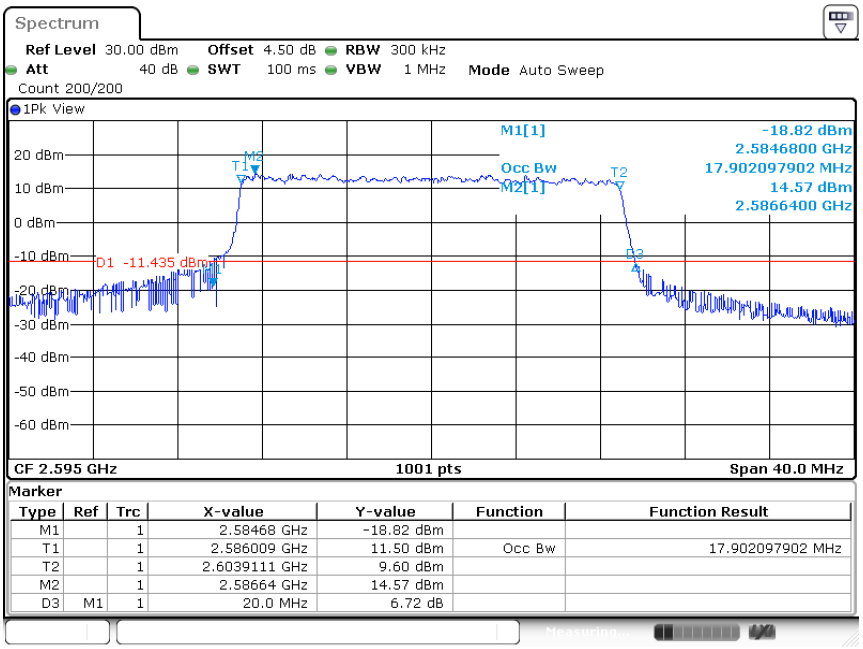


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53484 GHz	-11.91 dBm		
T1		1	2.536009 GHz	10.58 dBm	Occ Bw	17.902097902 MHz
T2		1	2.5539111 GHz	9.84 dBm		
M2		1	2.5374 GHz	14.11 dBm		
D3	M1	1	19.84 MHz	-0.02 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58468 GHz	-18.82 dBm		
T1		1	2.586009 GHz	11.50 dBm	Occ Bw	17.902097902 MHz
T2		1	2.6039111 GHz	9.60 dBm		
M2		1	2.58664 GHz	14.57 dBm		
D3	M1	1	20.0 MHz	6.72 dB		

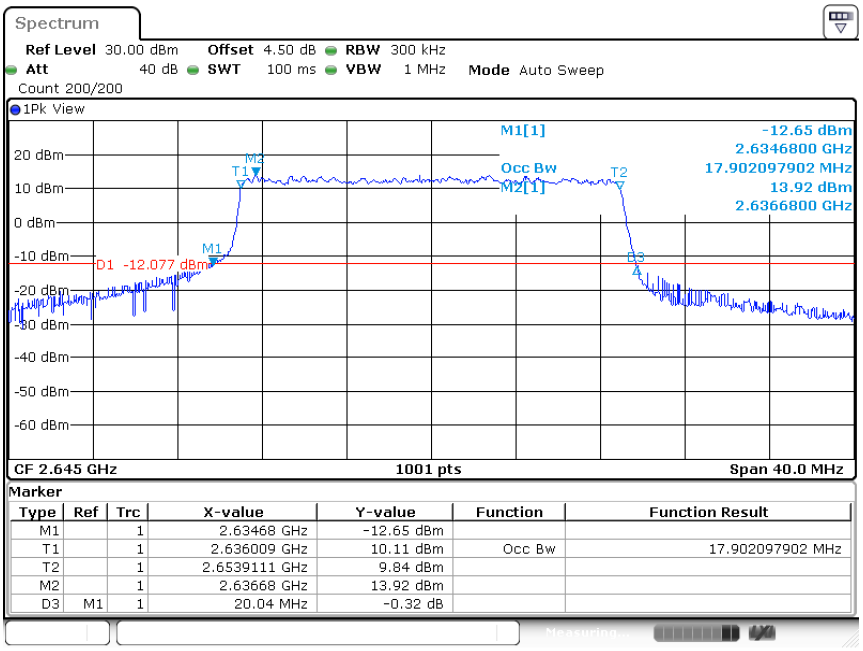
Date: 4.SEP.2020 09:33:03

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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-41140-100RB#0-17.902



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

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

5. Band Edge Compliance

5.1. Test Result

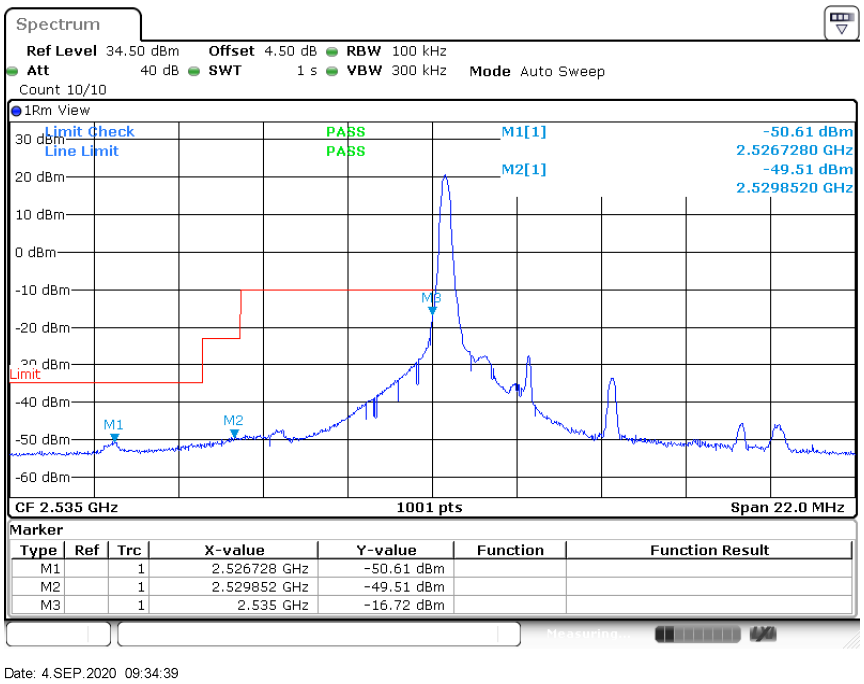
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	-50.61,-49.51,-16.72	PASS
Band41	5MHz	QPSK	40065	25RB#0	-49.22,-47.39,-26.97	PASS
Band41	5MHz	QPSK	41215	1RB#24	-49.46,-49.97,-18.01	PASS
Band41	5MHz	QPSK	41215	25RB#0	-48.20,-47.35,-27.03	PASS
Band41	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
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

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

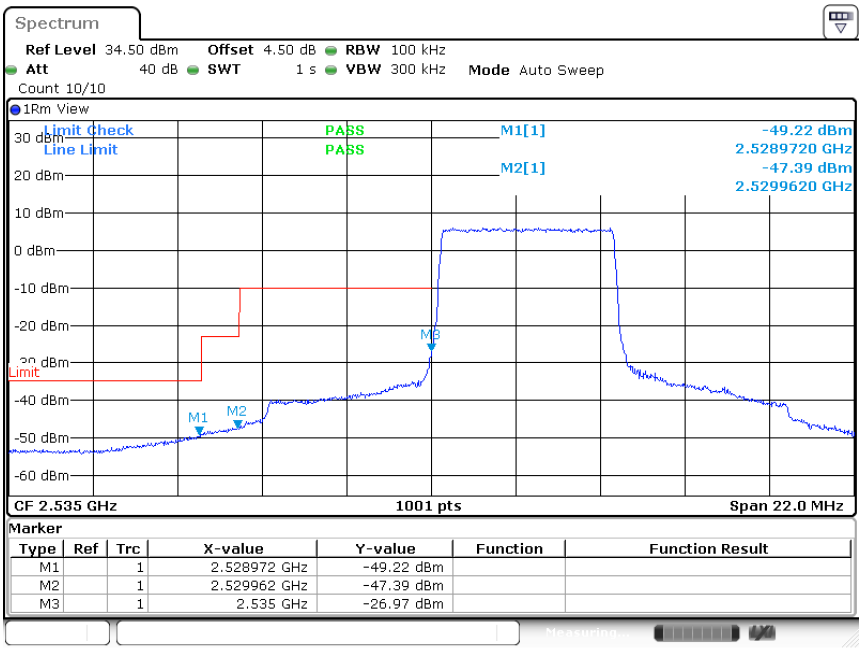
5.2. Test Plots

Band41-5MHz-QPSK-40065-1RB#0



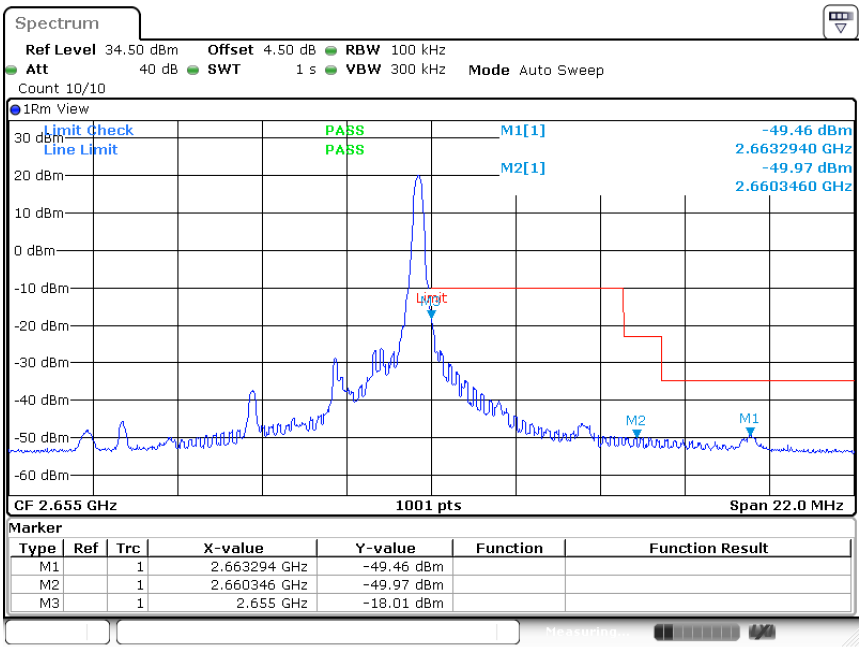
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

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



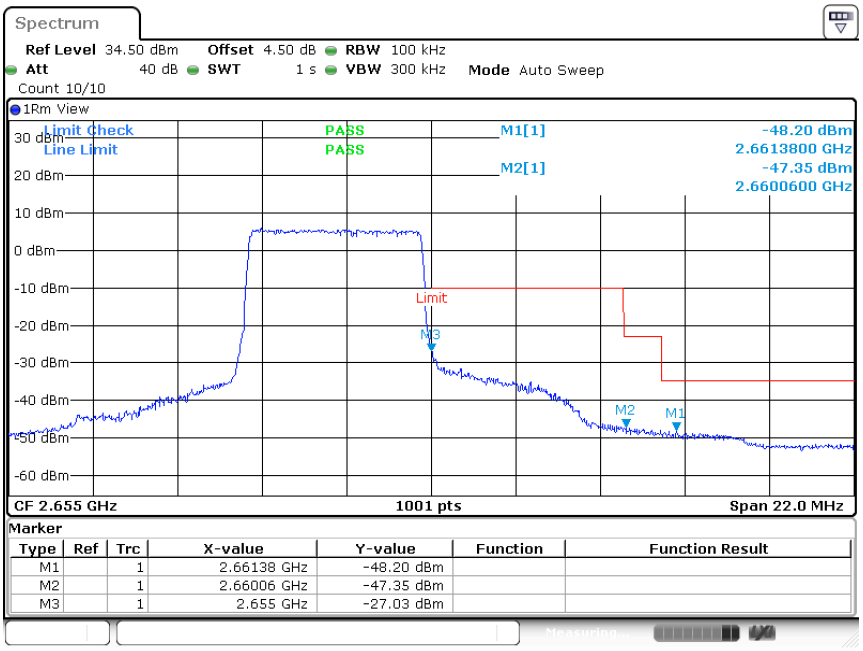
Date: 4.SEP.2020 09:35:27

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

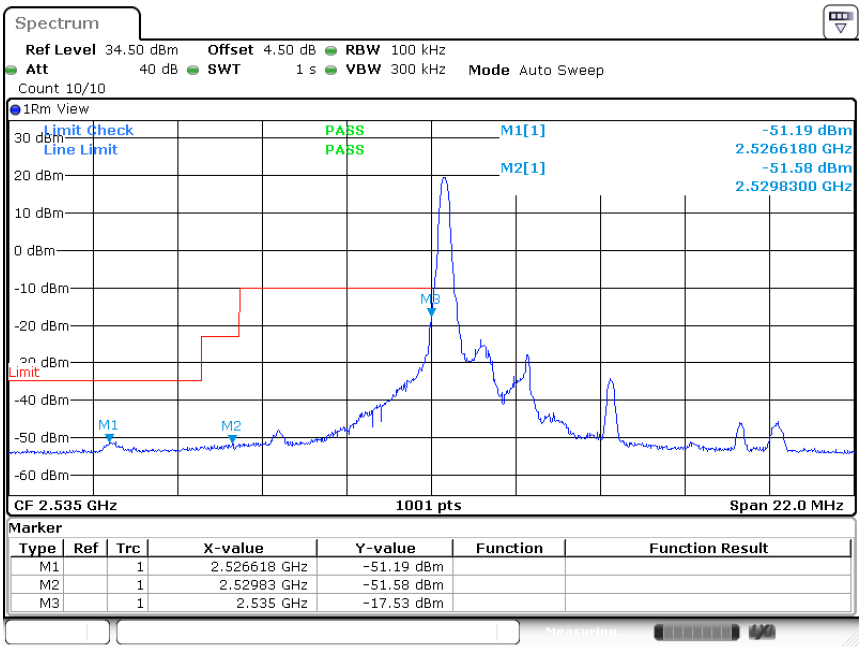
Member of the SGS Group (SGS SA)

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



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

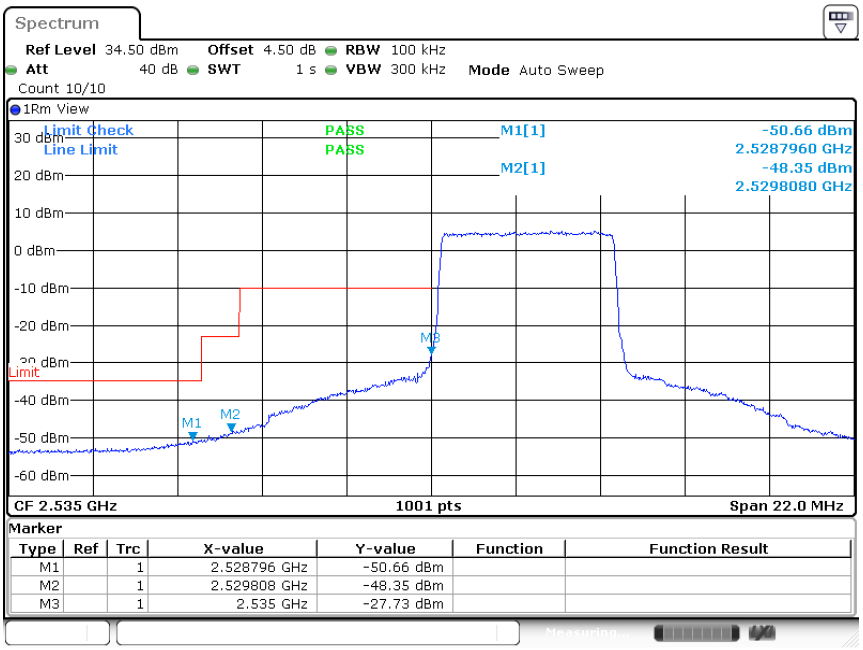
Band41-5MHz-64QAM-40065-1RB#0



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

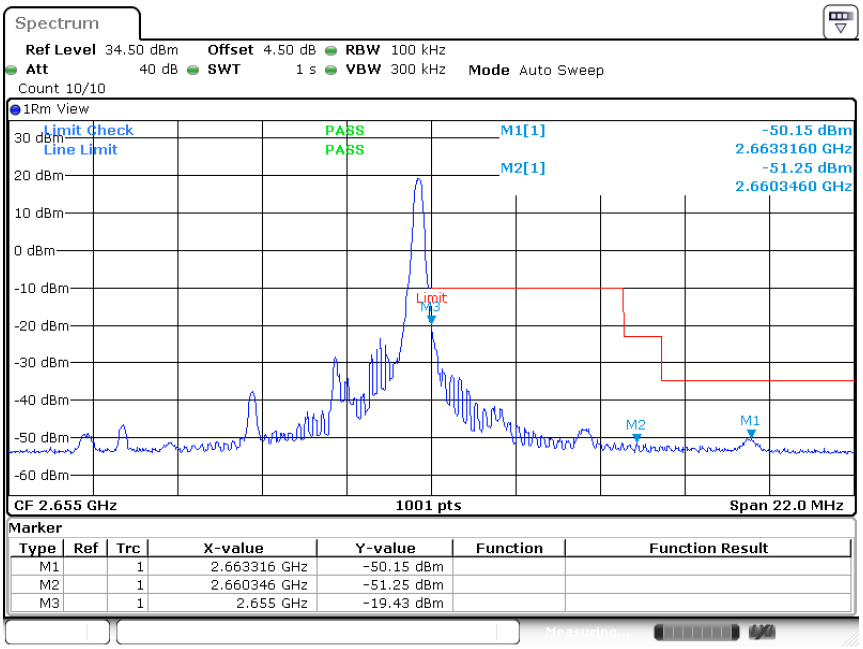
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

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



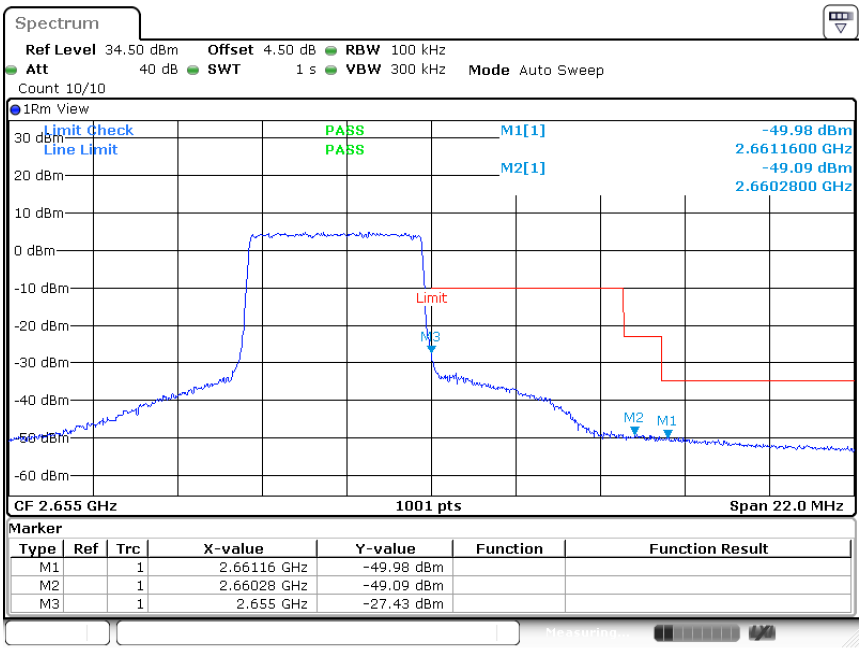
Date: 4.SEP.2020 10:16:17

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx 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
检验检测专用章 Inspection & Testing Services
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

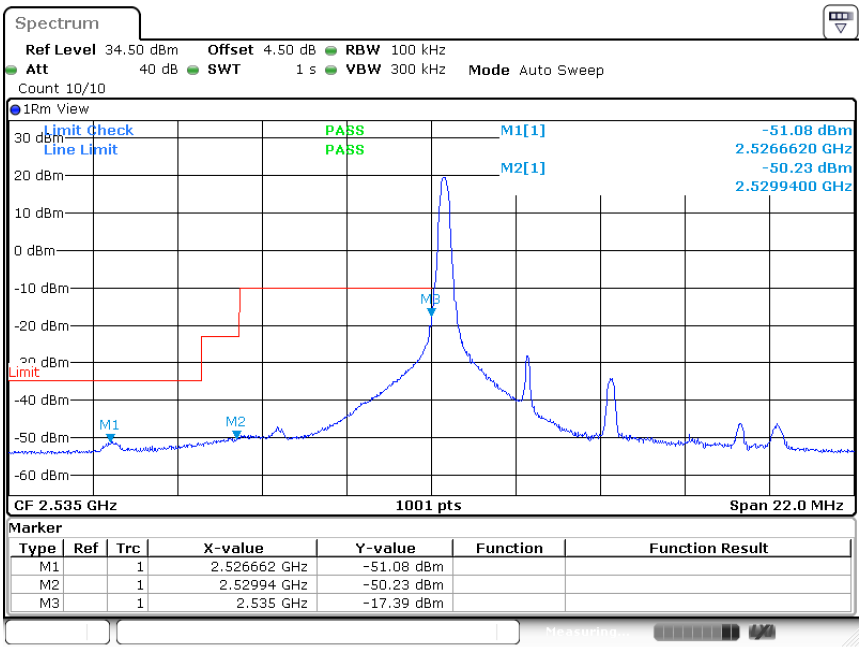
Member of the SGS Group (SGS SA)

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



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

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



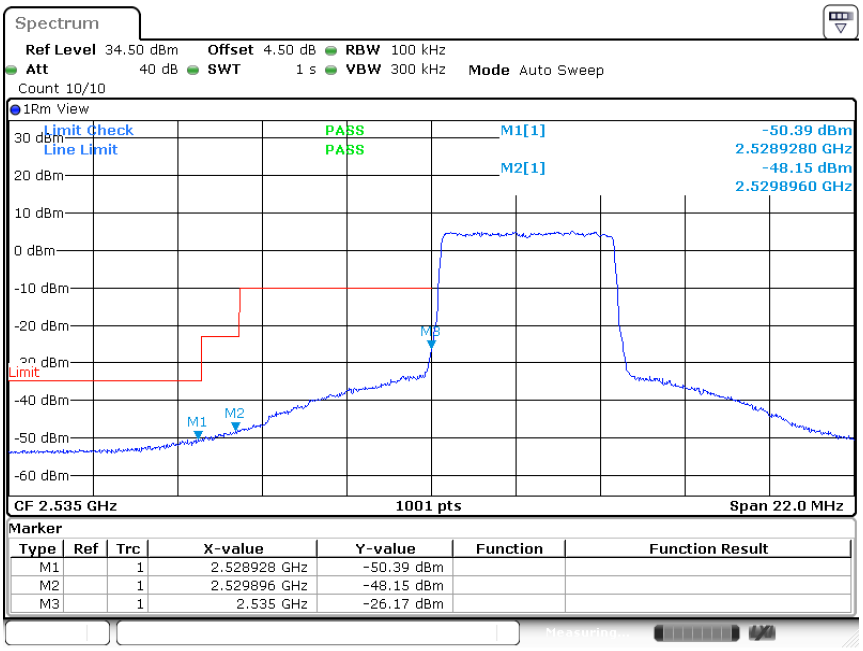
Date: 4.SEP.2020 09:35:01

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

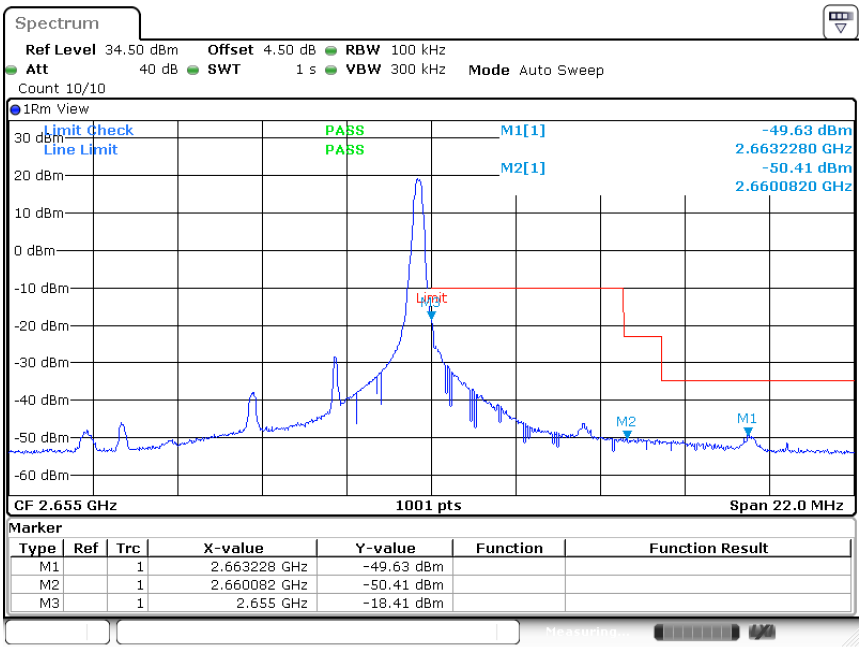
Member of the SGS Group (SGS SA)

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



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

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



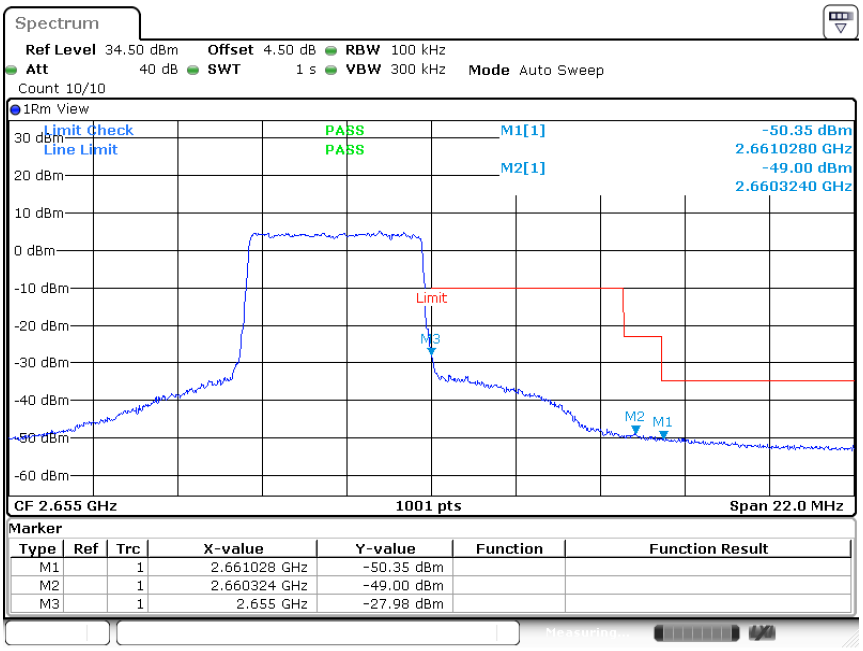
Date: 4.SEP.2020 09:35:48

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

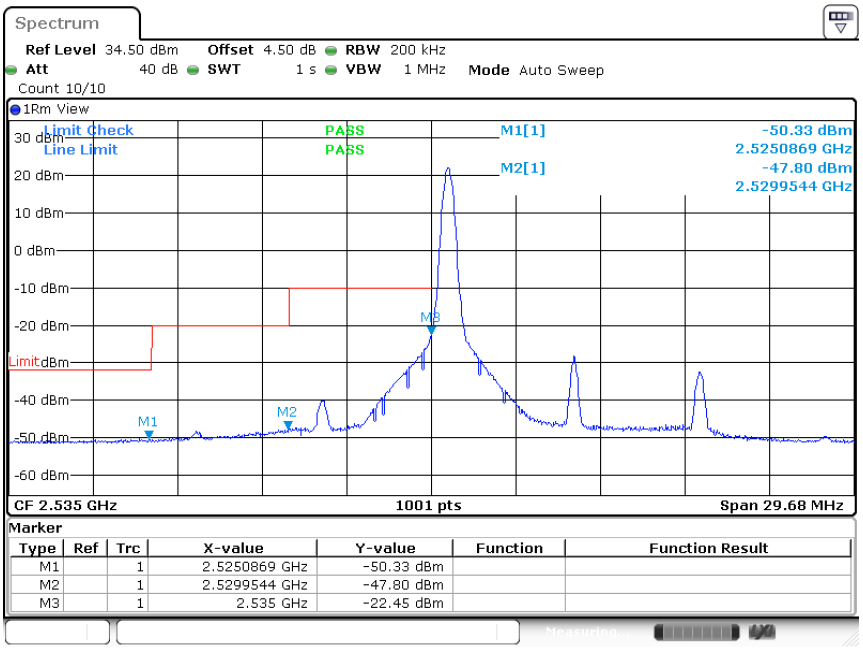
Member of the SGS Group (SGS SA)

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



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

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



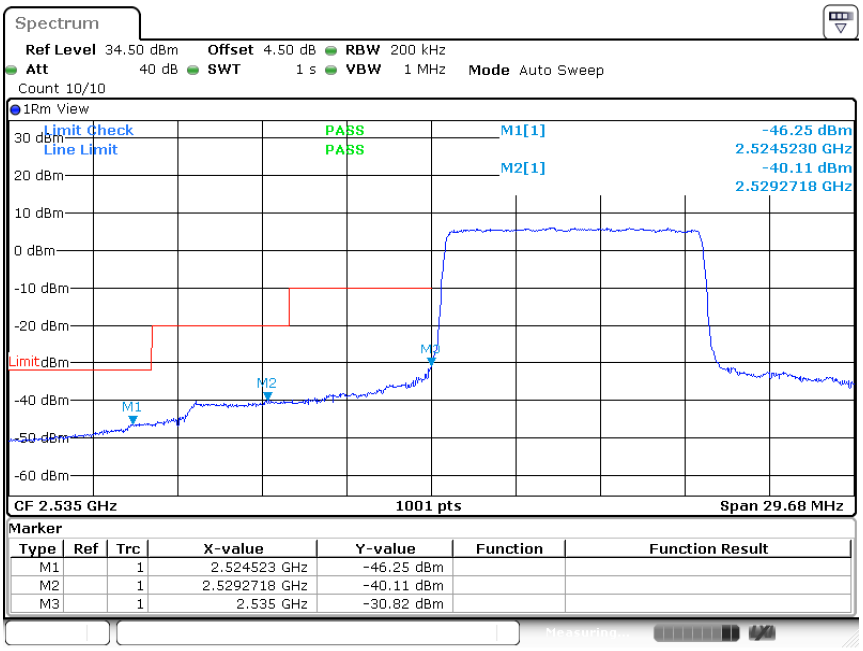
Date: 4.SEP.2020 09:37:46

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

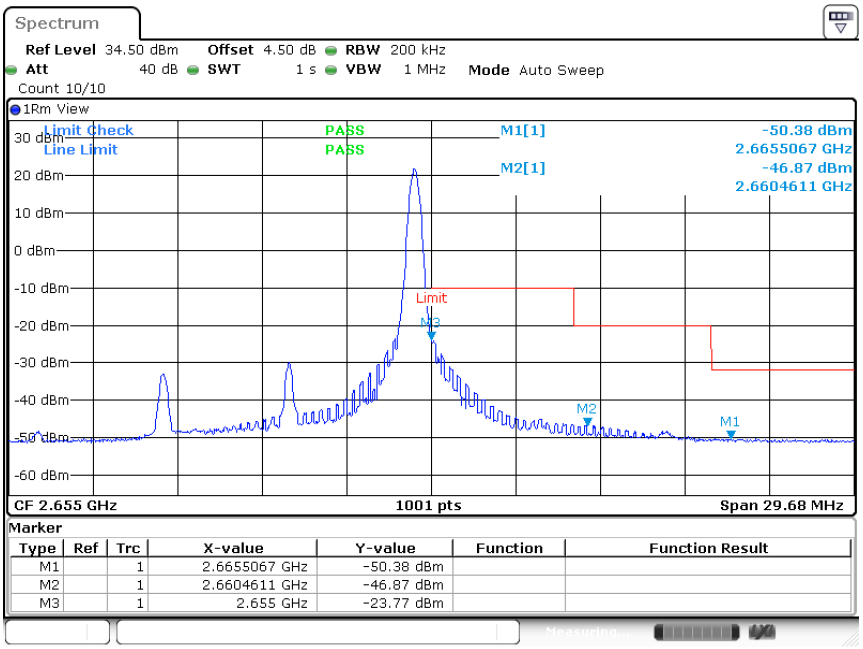
Member of the SGS Group (SGS SA)

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



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

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



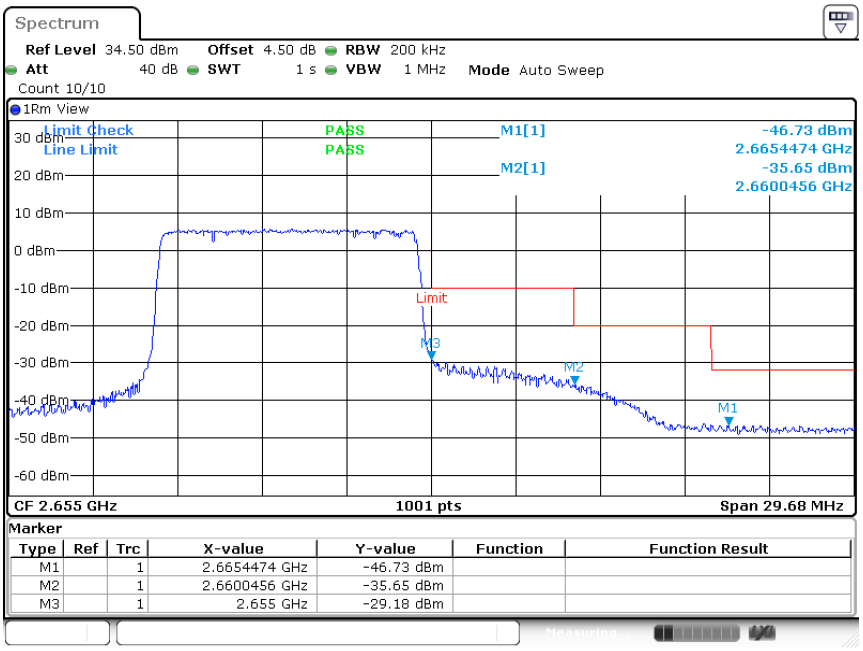
Date: 4.SEP.2020 09:38:33

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

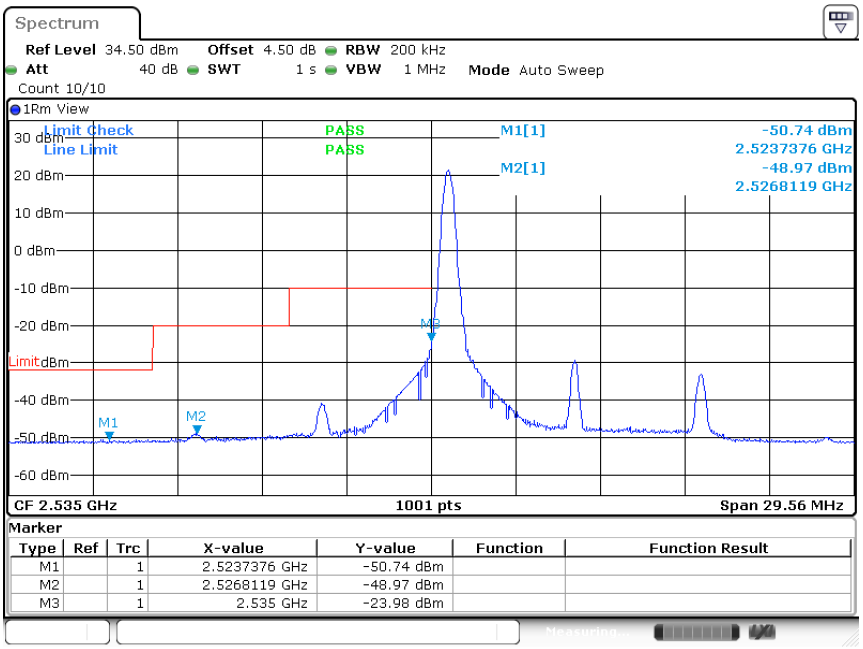
Member of the SGS Group (SGS SA)

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



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

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



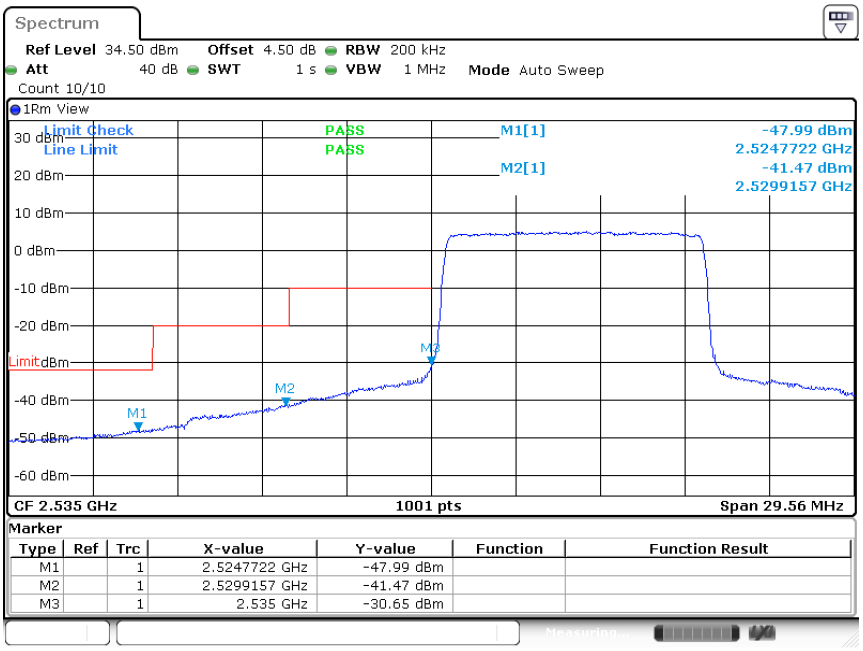
Date: 4.SEP.2020 10:17:35

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

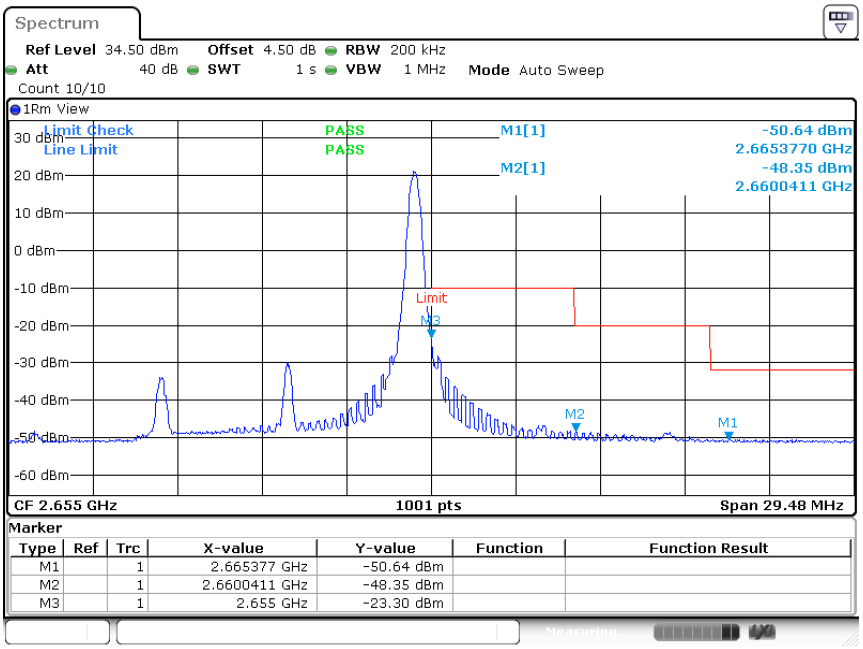
Member of the SGS Group (SGS SA)

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



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

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



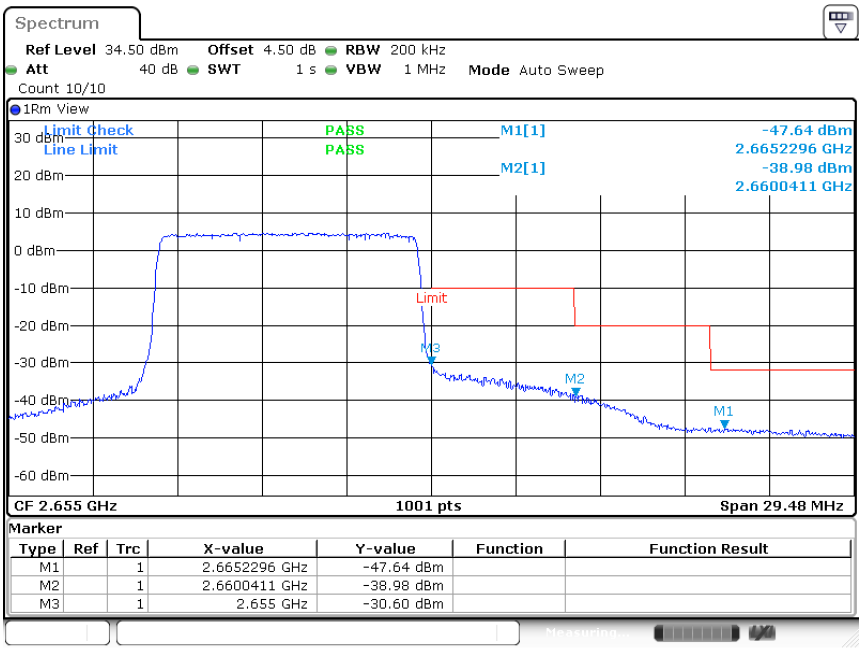
Date: 4.SEP.2020 10:18:01

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

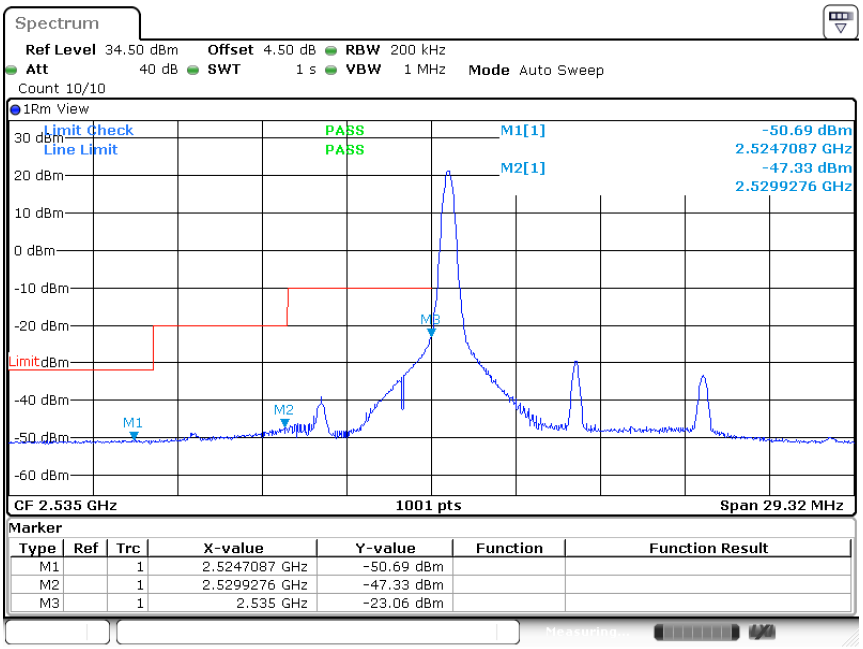
Member of the SGS Group (SGS SA)

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



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

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



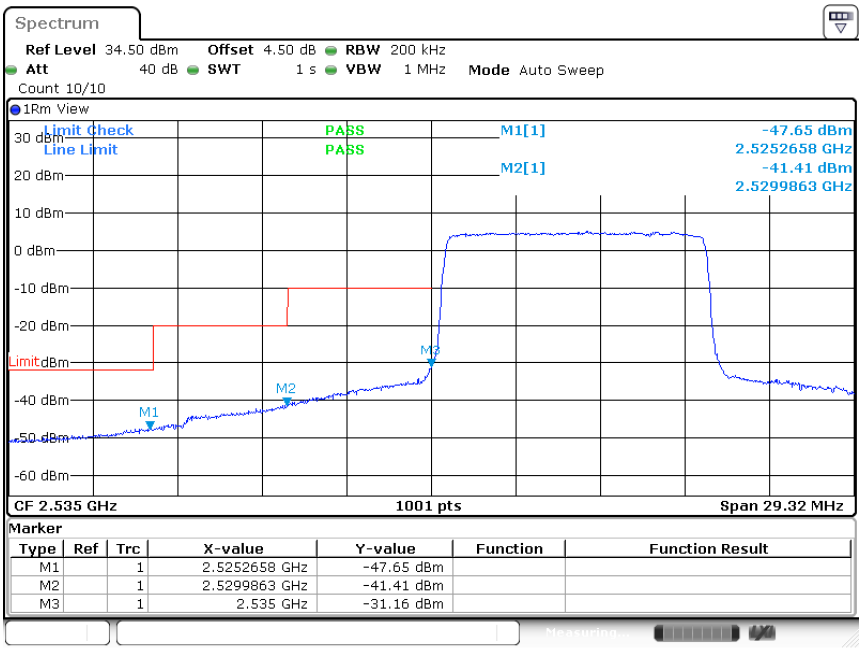
Date: 4.SEP.2020 09:38:07

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

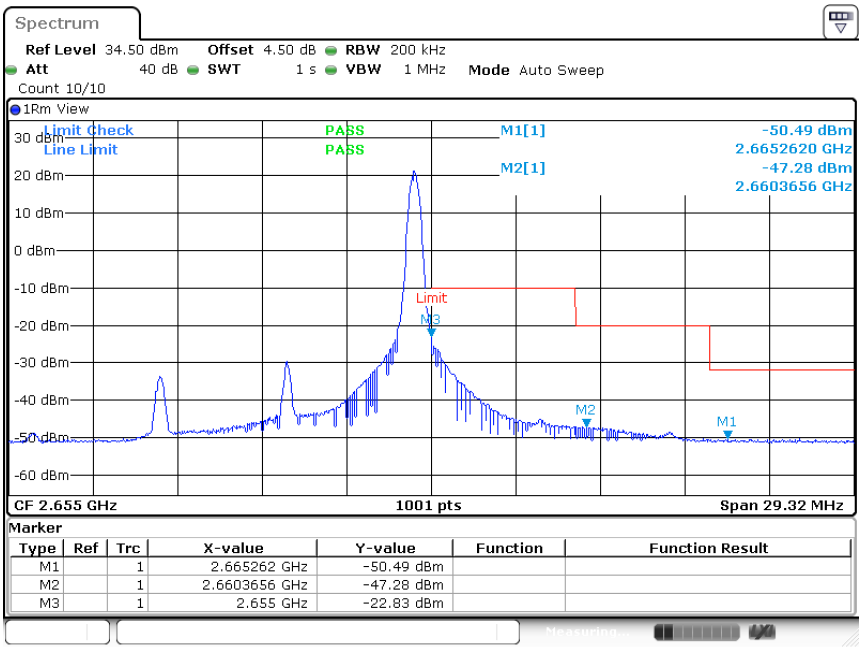
Member of the SGS Group (SGS SA)

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



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

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



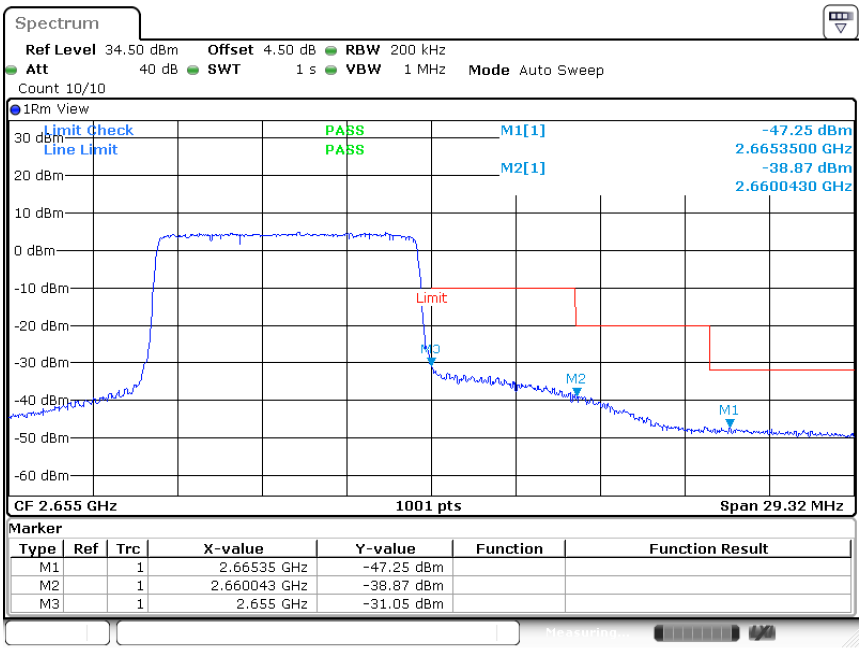
Date: 4.SEP.2020 09:38:55

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx 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
检验检测专用章 Inspection & Testing Services
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

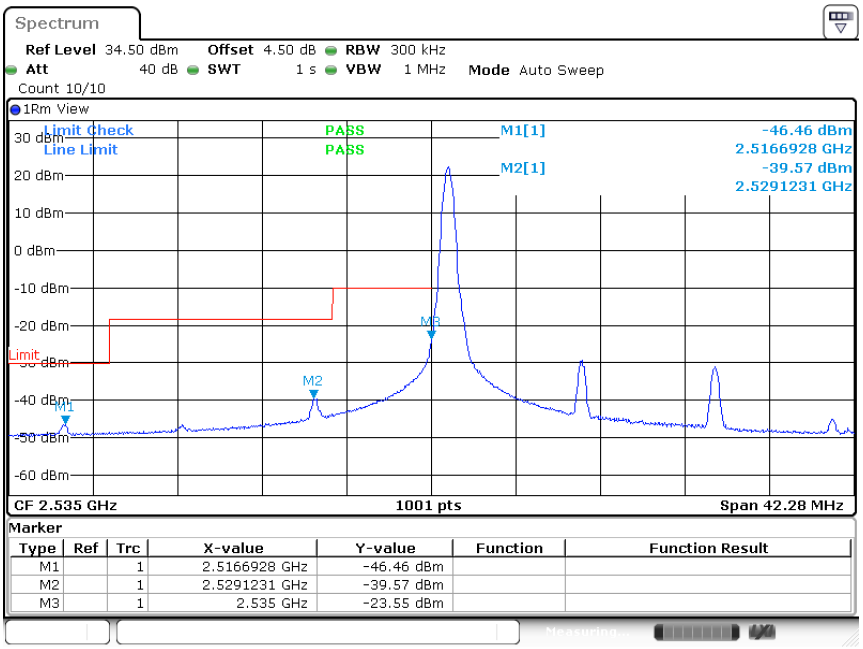
Member of the SGS Group (SGS SA)

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



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

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



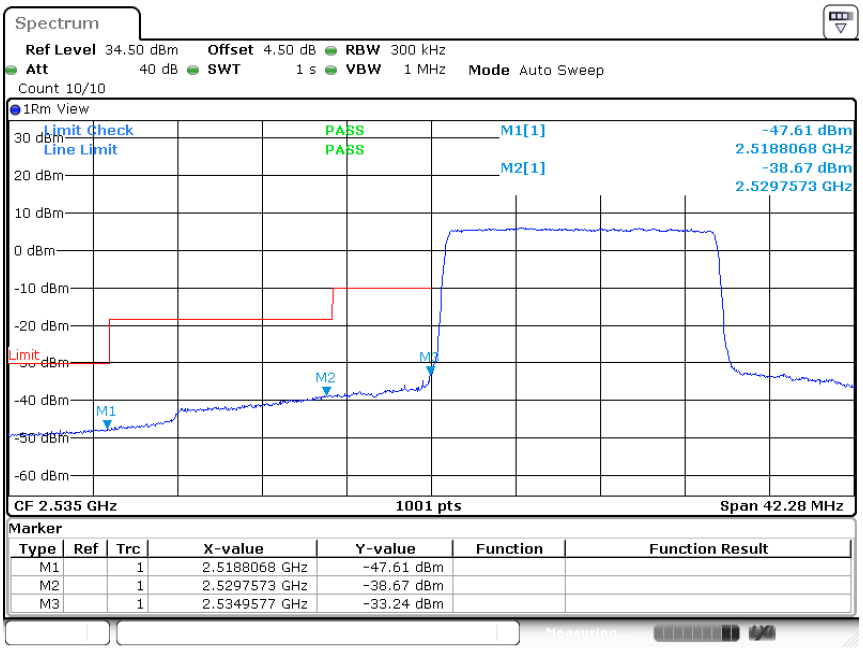
Date: 4.SEP.2020 09:41:28

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

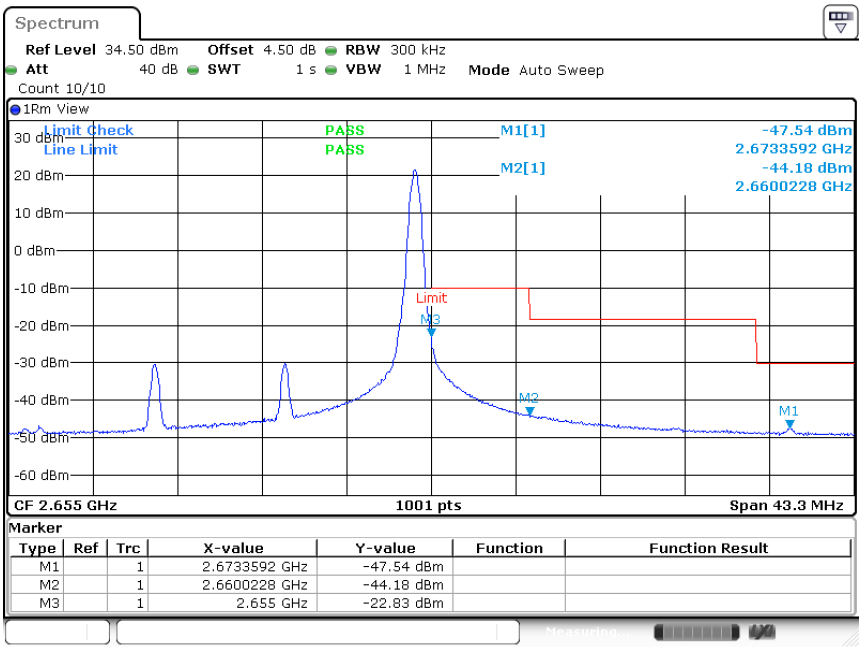
Member of the SGS Group (SGS SA)

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



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

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



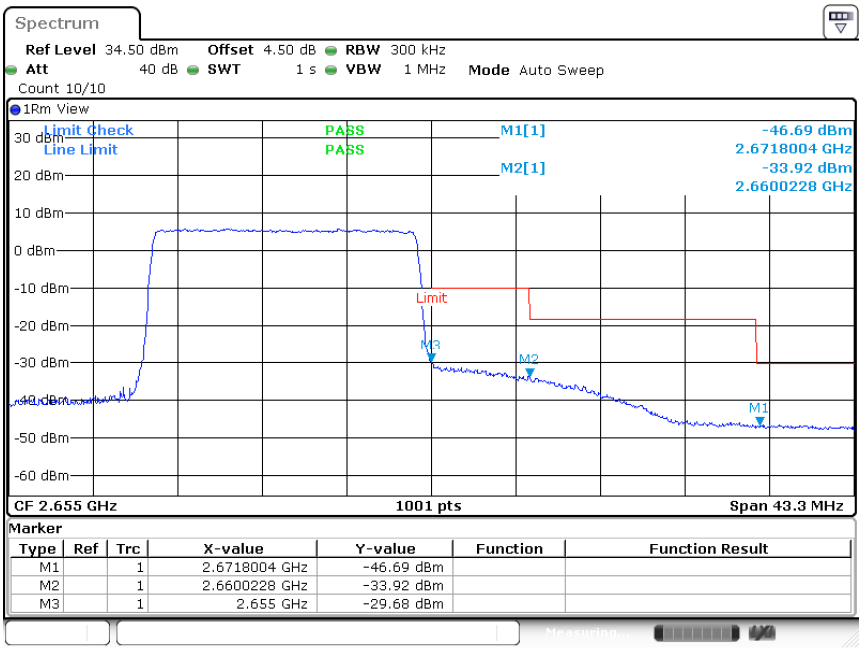
Date: 4.SEP.2020 09:42:16

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

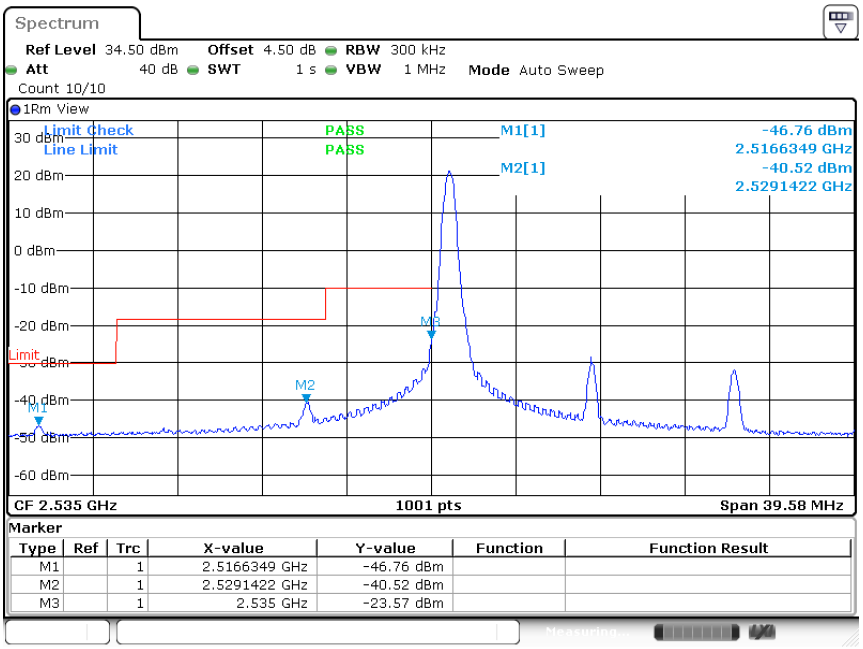
Member of the SGS Group (SGS SA)

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



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

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



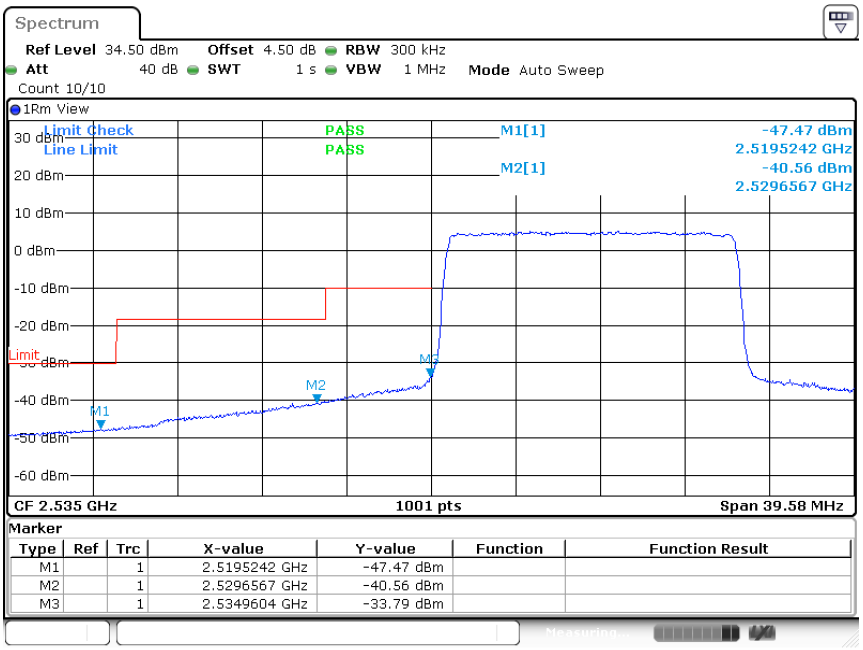
Date: 4.SEP.2020 10:19:19

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

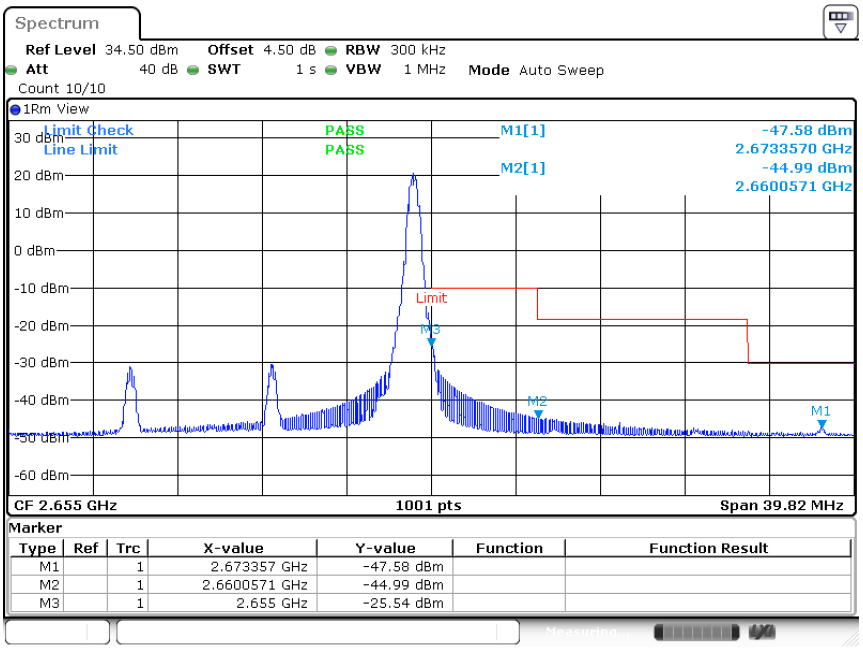
Member of the SGS Group (SGS SA)

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



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

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



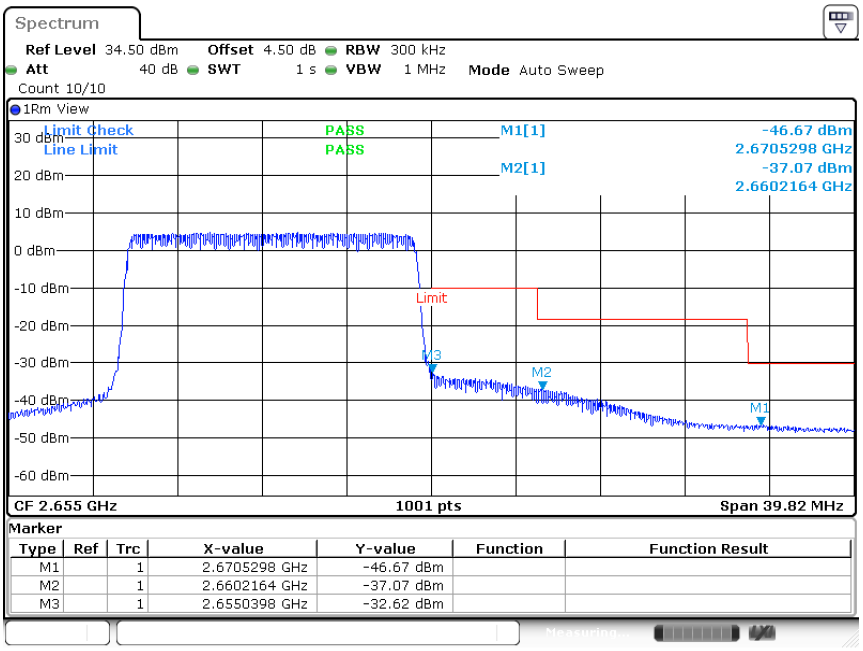
Date: 4.SEP.2020 10:19:45

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

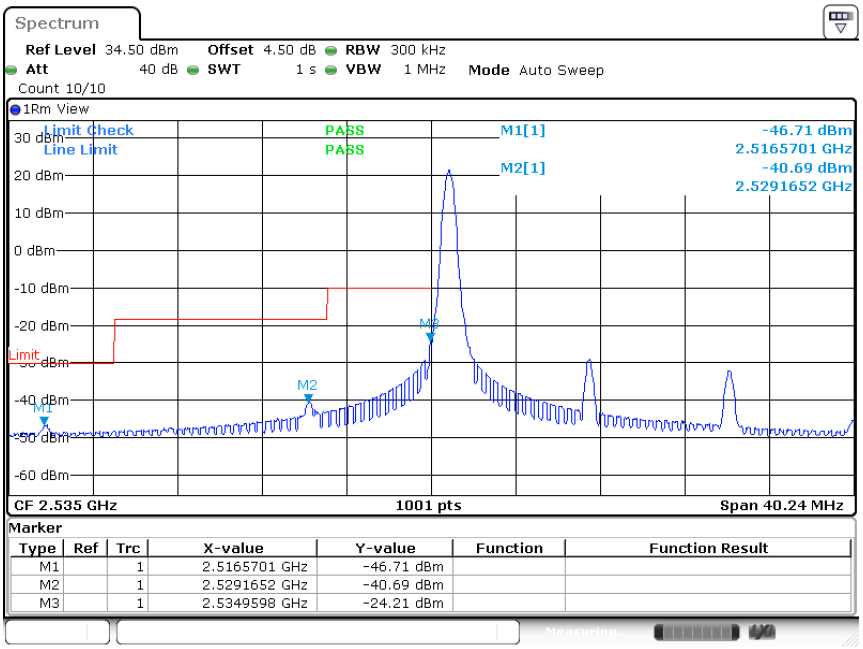
Member of the SGS Group (SGS SA)

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



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

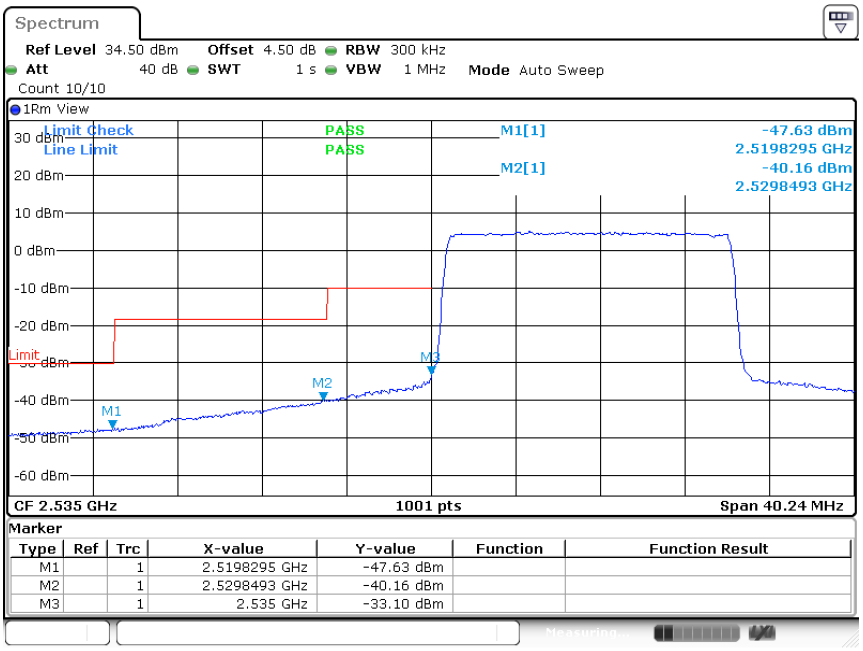
Band41-15MHz-16QAM-40115-1RB#0



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

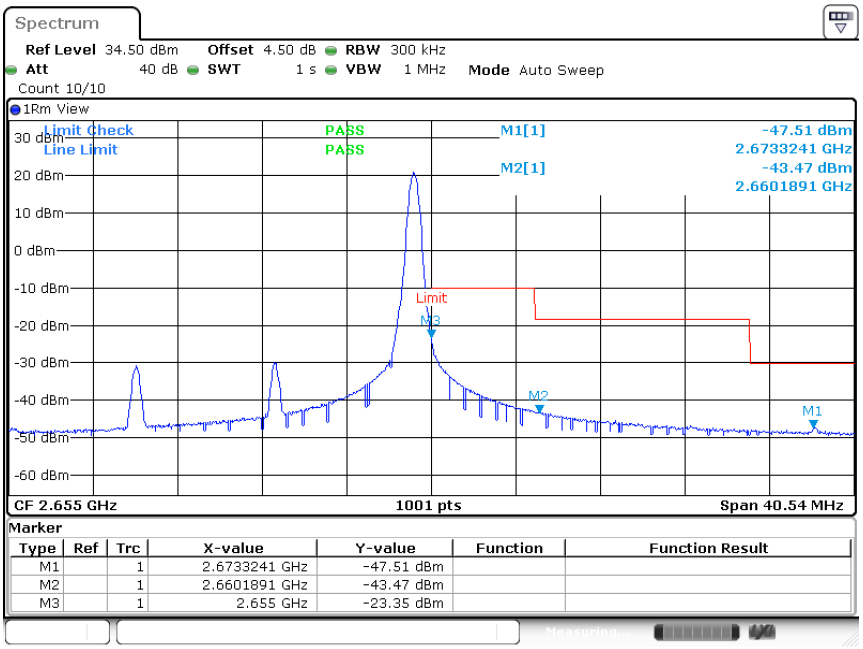
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

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



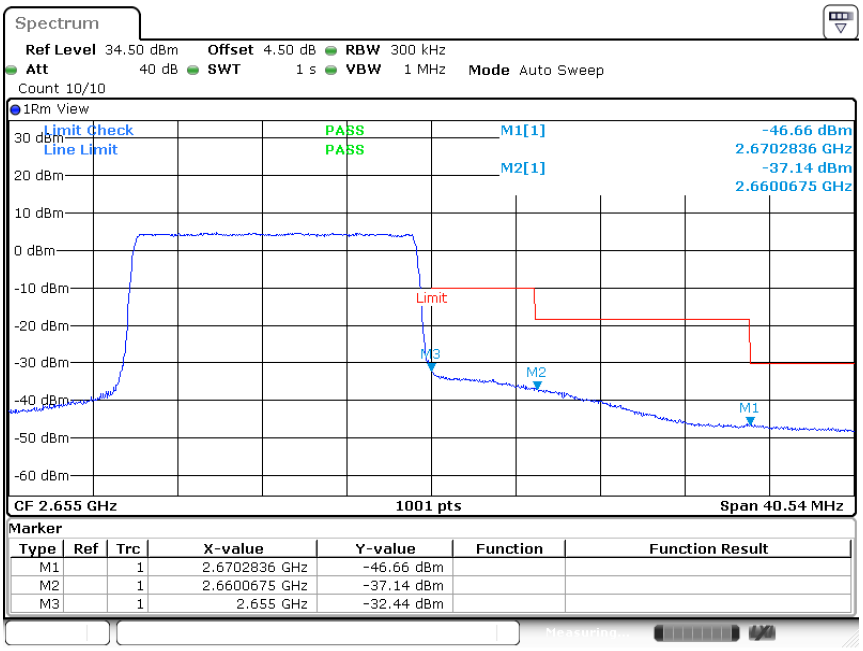
Date: 4.SEP.2020 09:42:38

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

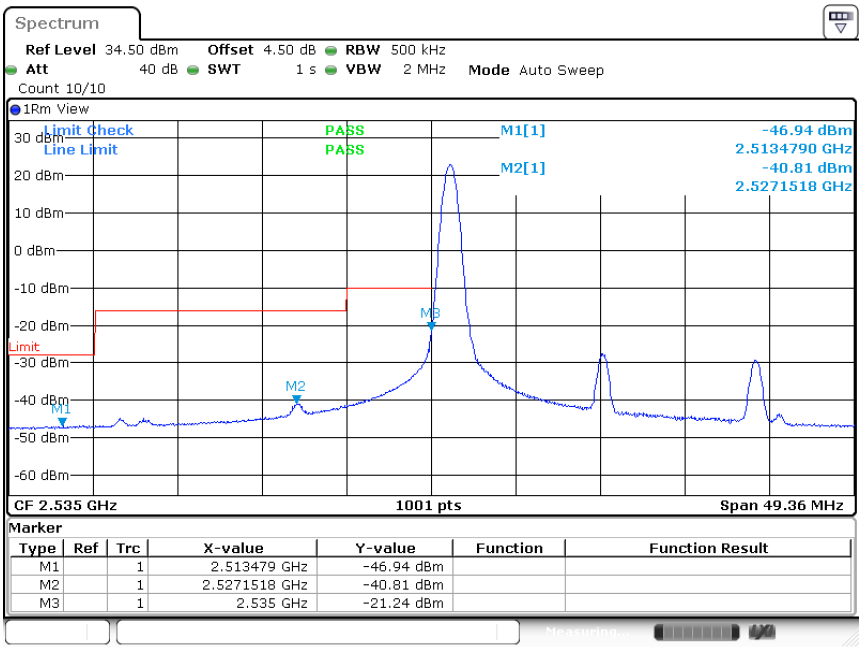
Member of the SGS Group (SGS SA)

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



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

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



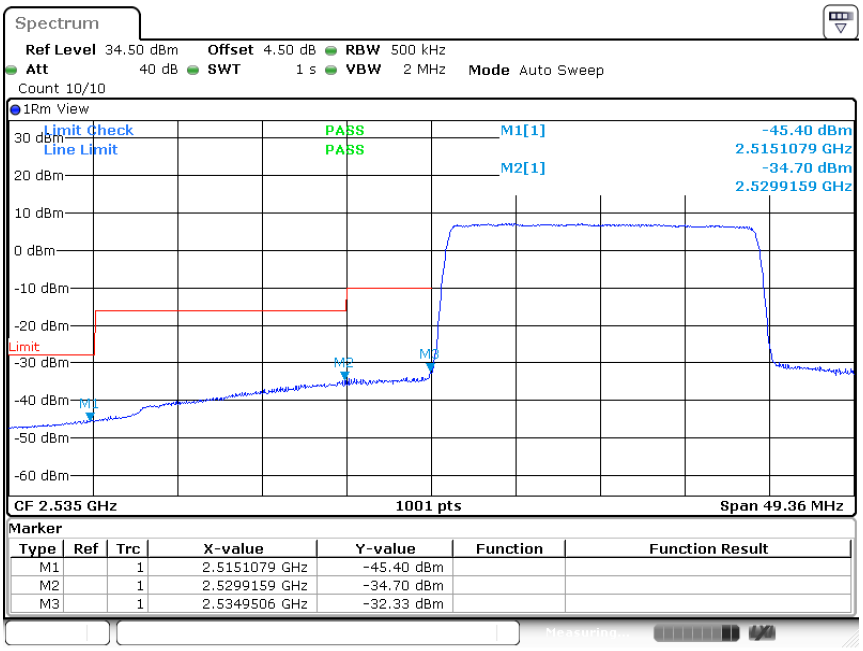
Date: 4.SEP.2020 09:44:37

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

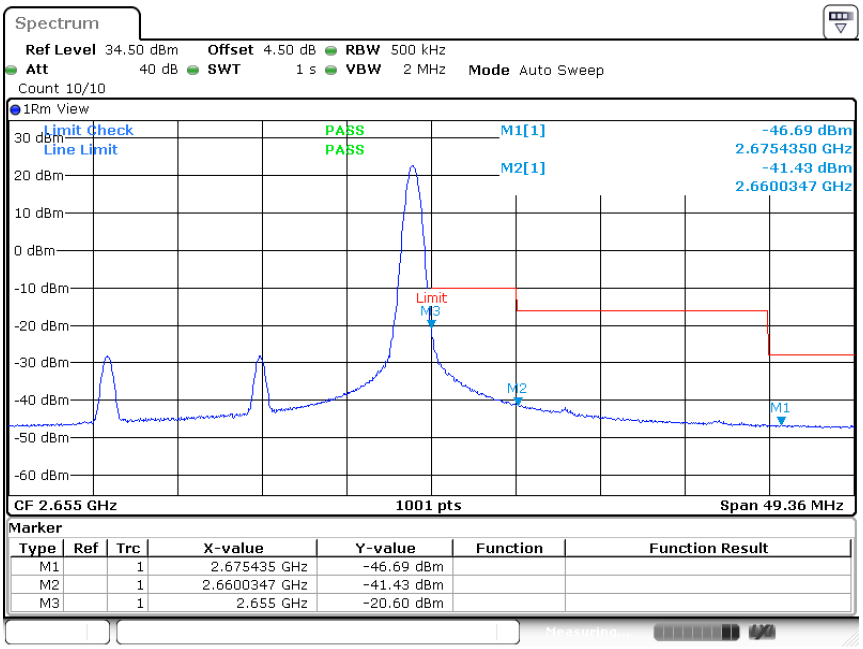
Member of the SGS Group (SGS SA)

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



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

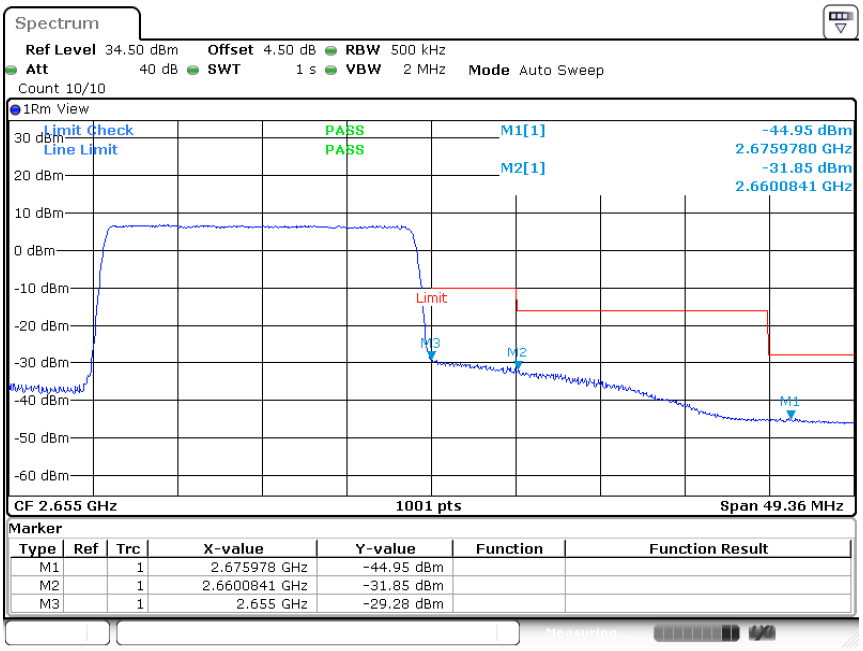
Band41-20MHz-QPSK-41140-1RB#99



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

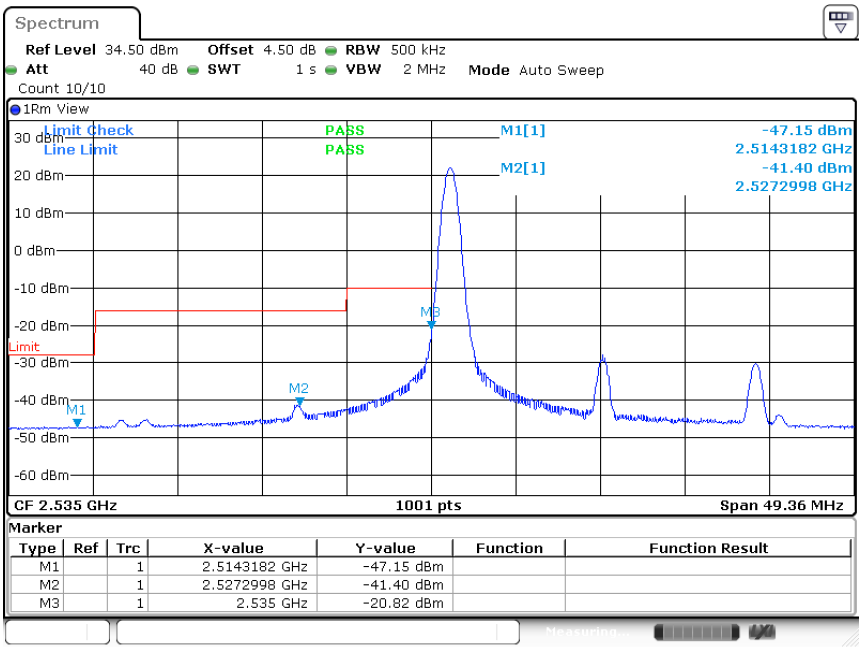
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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-QPSK-41140-100RB#0



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

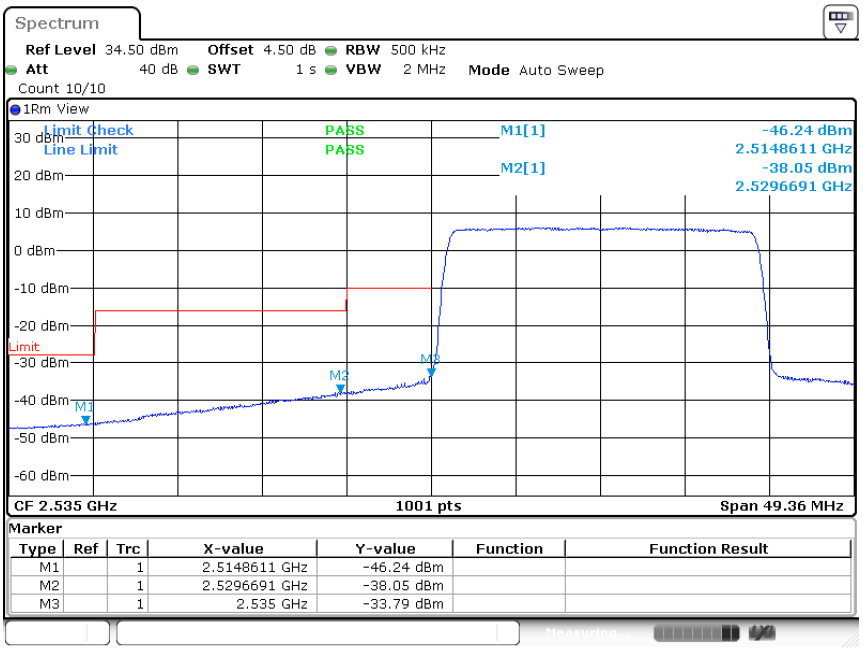
Band41-20MHz-64QAM-40140-1RB#0



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

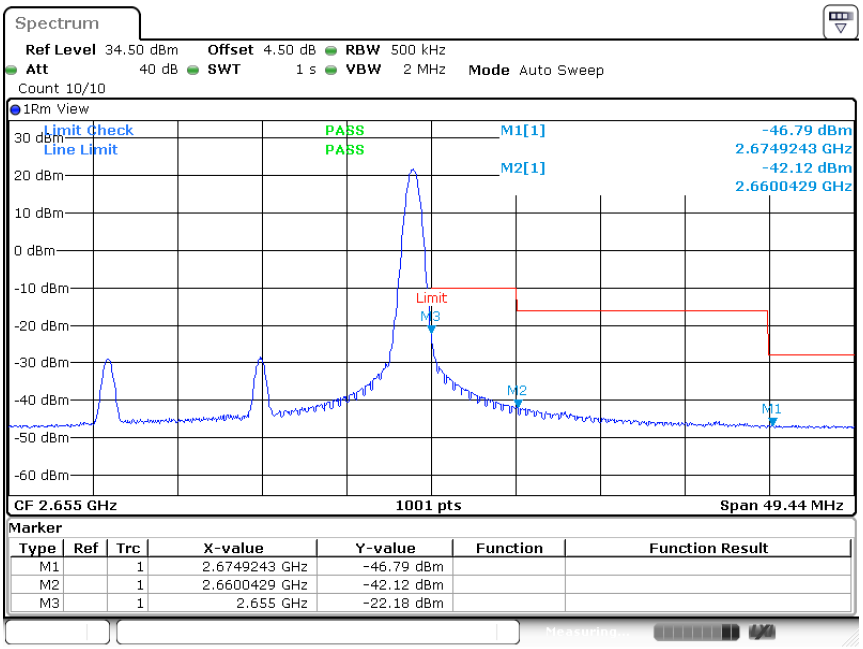
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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-40140-100RB#0



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

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



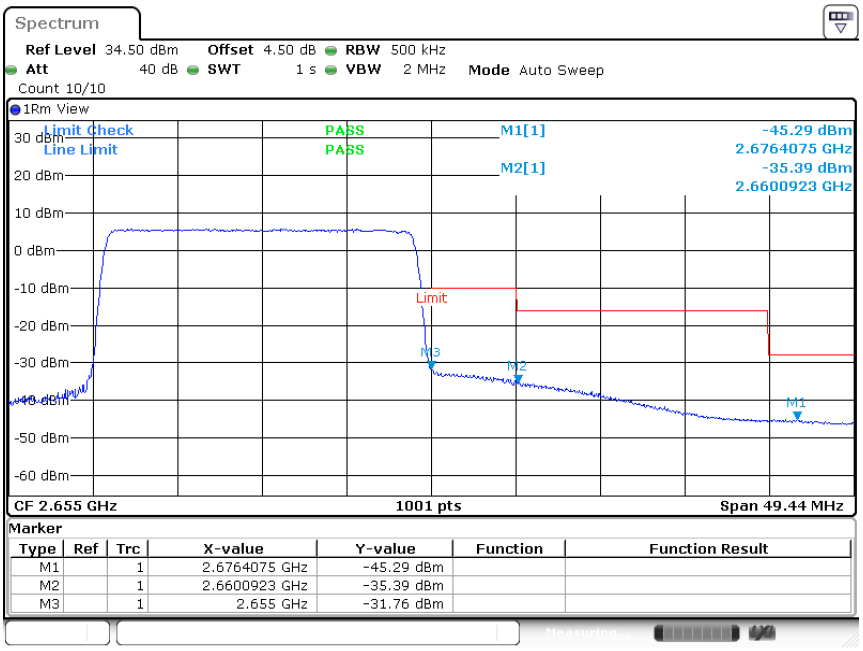
Date: 4.SEP.2020 10:21:26

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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

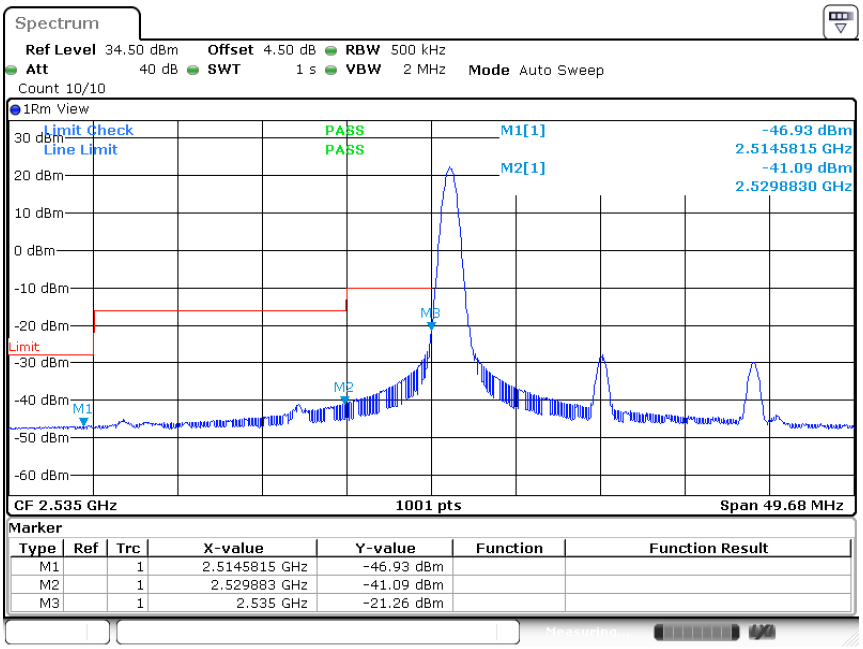
Member of the SGS Group (SGS SA)

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



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

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



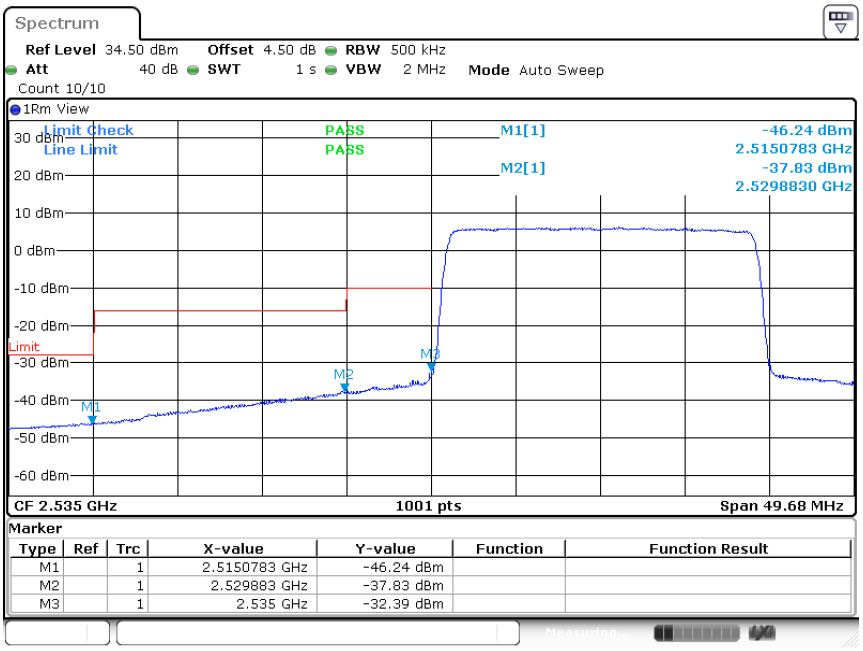
Date: 4.SEP.2020 09:44:59

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-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
检验检测专用章 Inspection & Testing Services
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

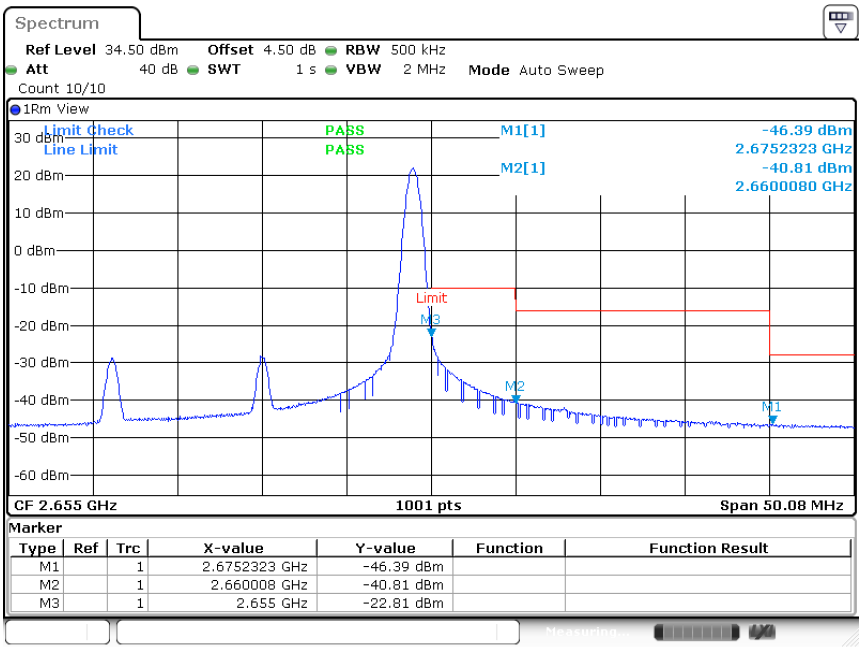
Member of the SGS Group (SGS SA)

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



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

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



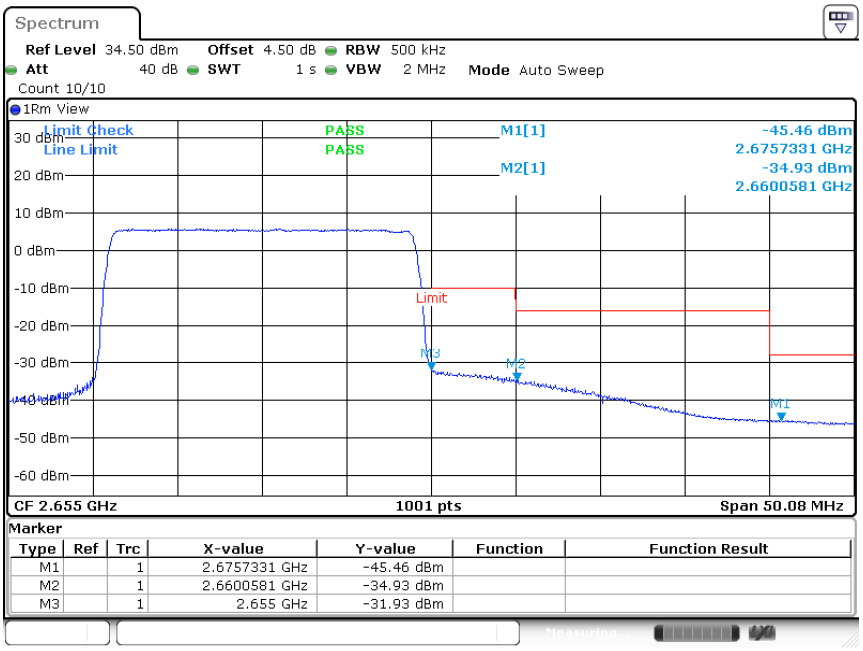
Date: 4.SEP.2020 09:45:47

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx 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
检验检测专用章 Inspection & Testing Services
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-41140-100RB#0



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

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

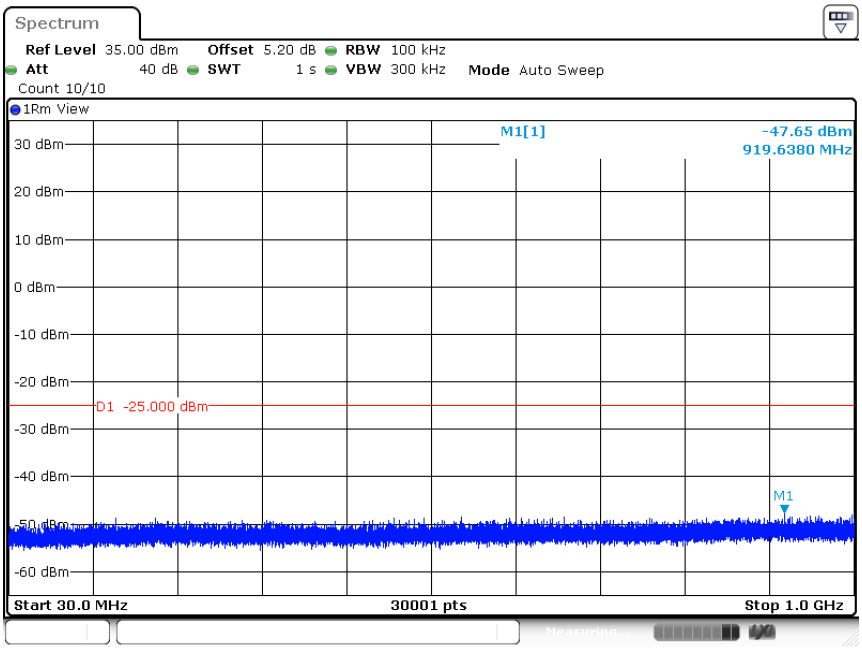
6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Plots

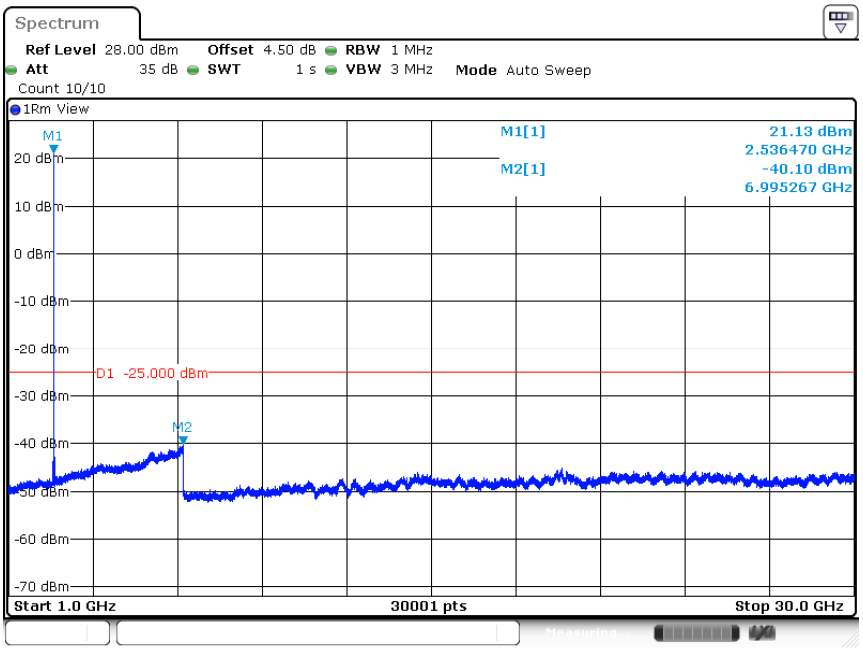
Band41-20MHz-QPSK-40140-1RB#0-Range1:30~1000MHz



Date: 4.SEP.2020 09:47:43

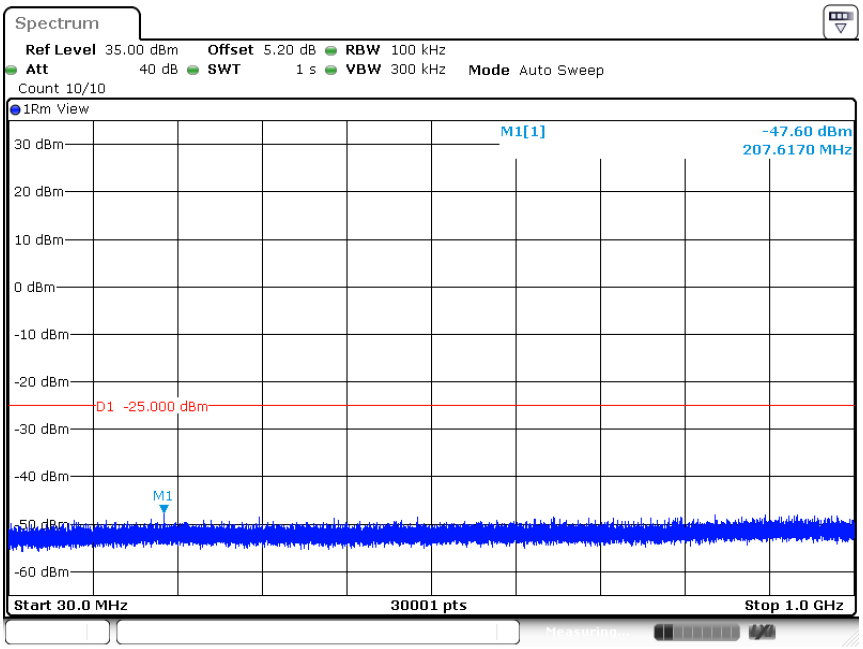
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

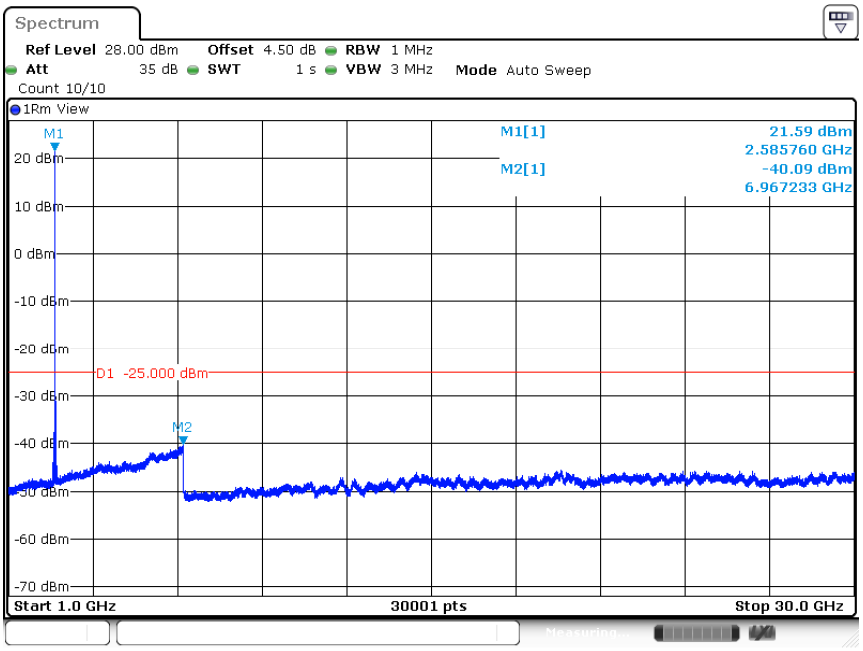
Band41-20MHz-QPSK-40640-1RB#0-Range1:30~1000MHz



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

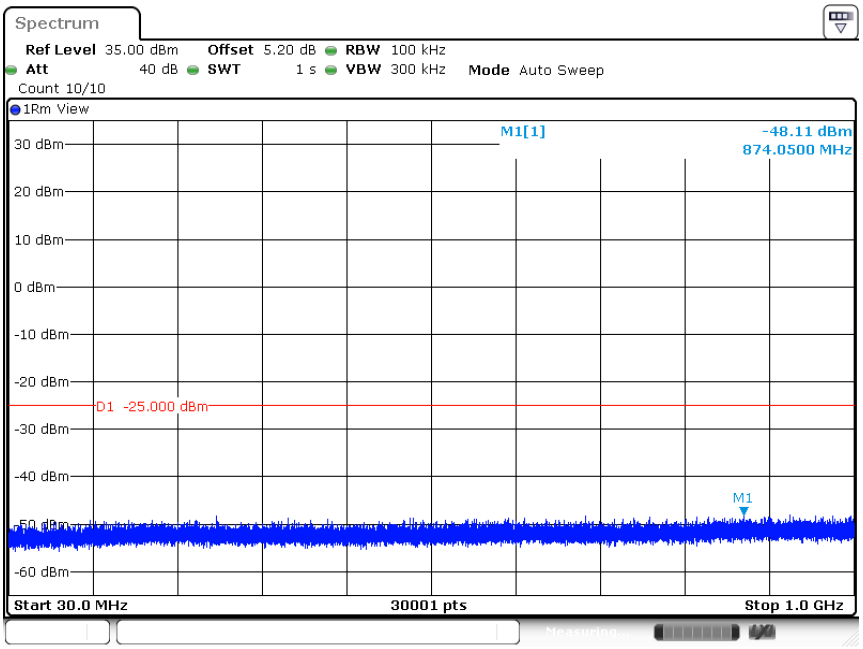
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

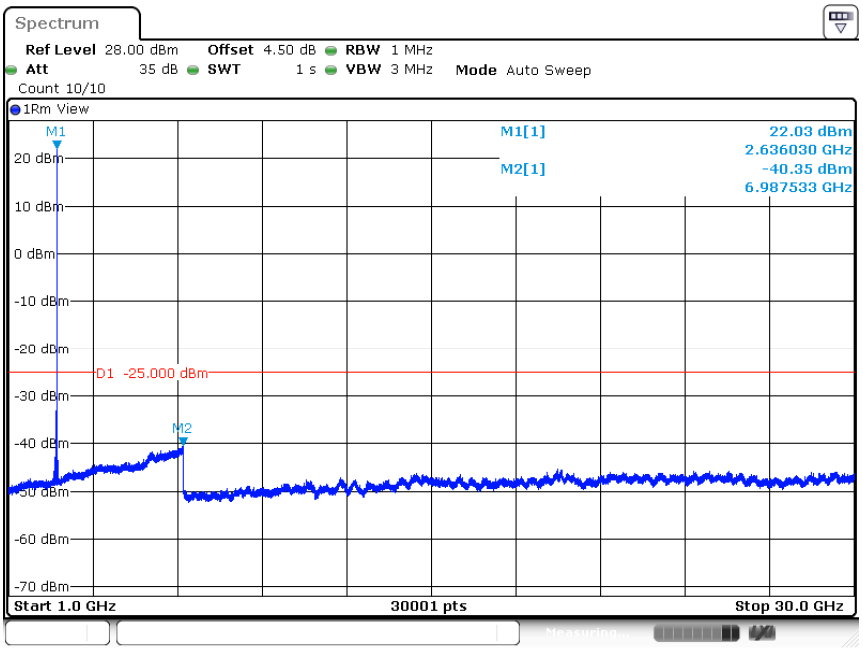
Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz



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

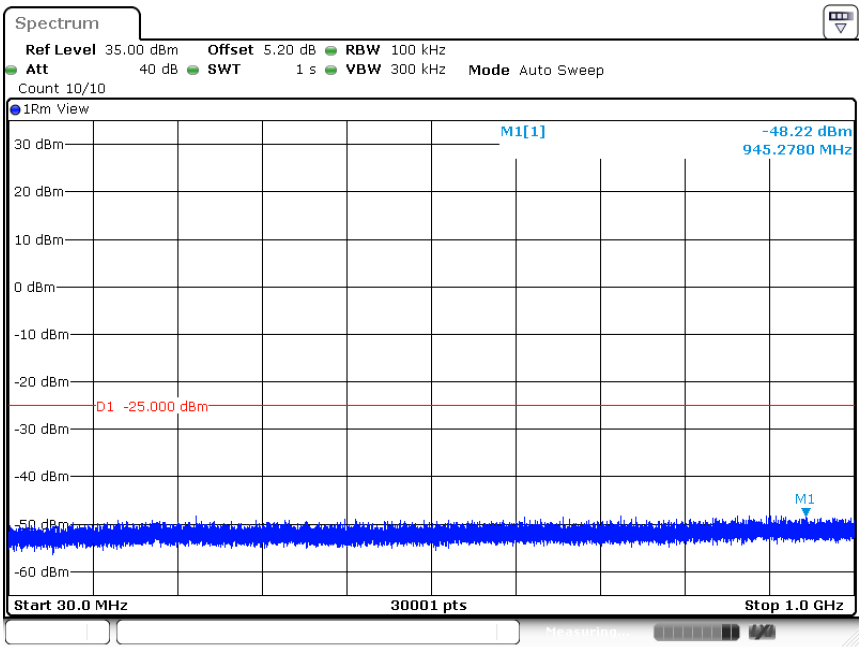
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic 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 Electronic 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-QPSK-41140-1RB#0-Range2:1000~30000MHz



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

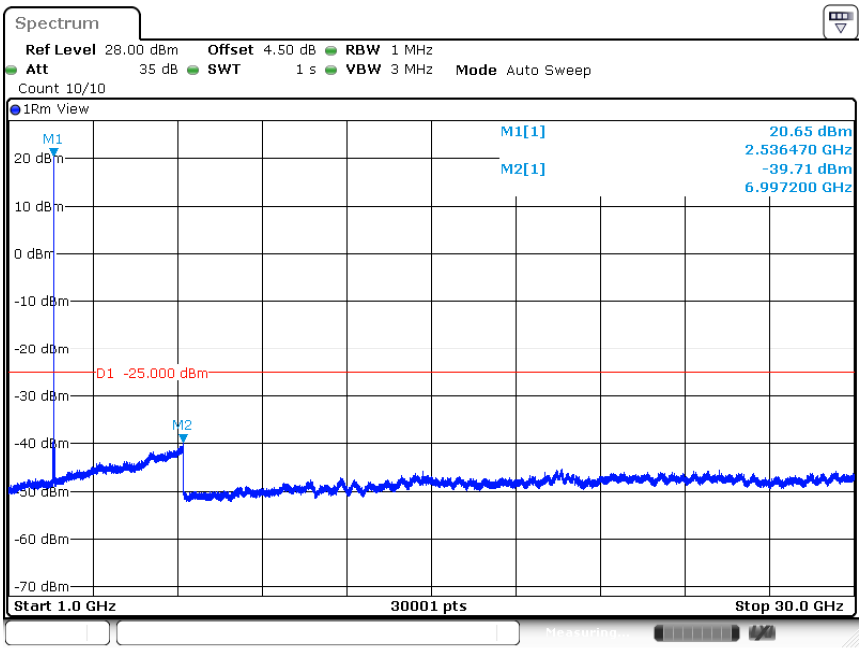
Band41-20MHz-64QAM-40140-1RB#0-Range1:30~1000MHz



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

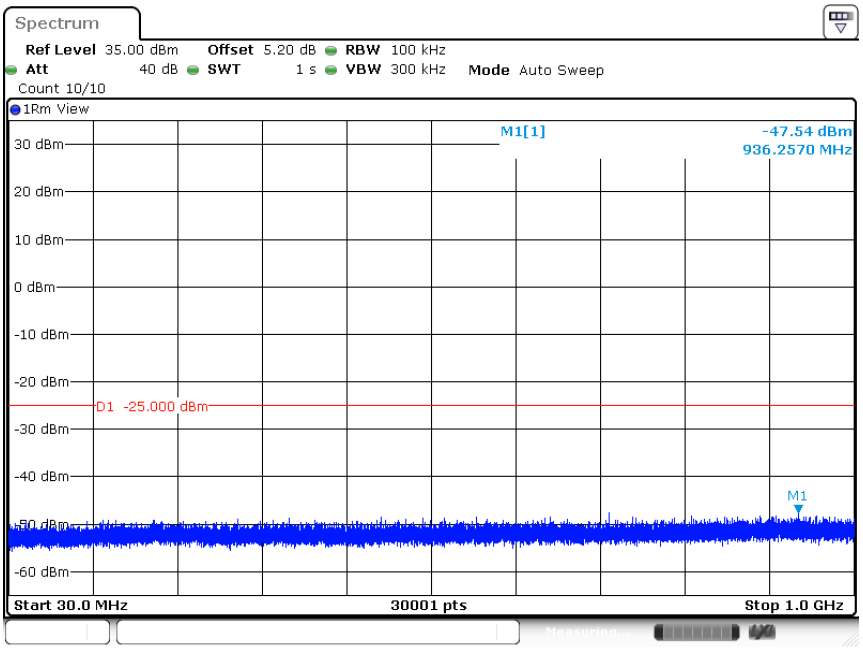
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

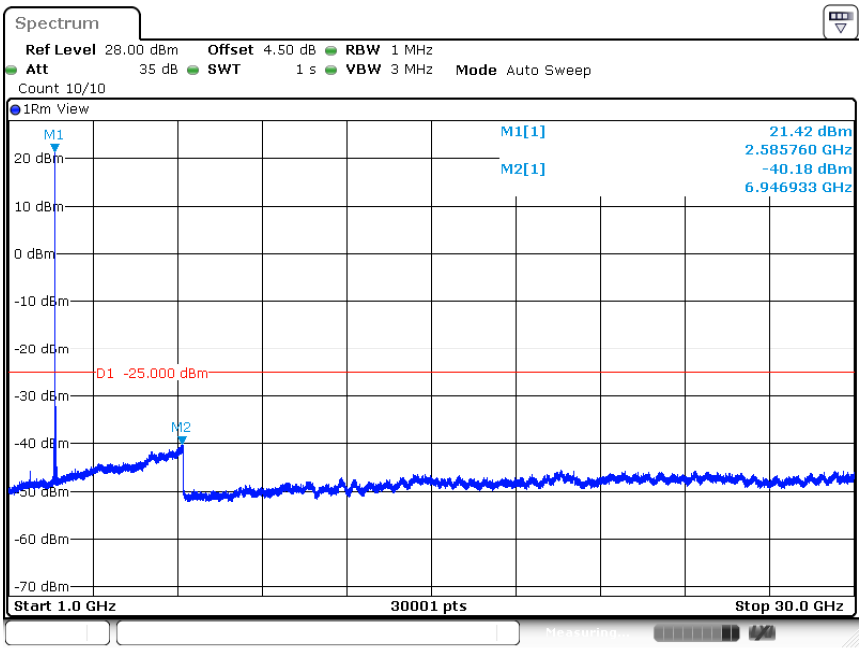
Band41-20MHz-64QAM-40640-1RB#0-Range1:30~1000MHz



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

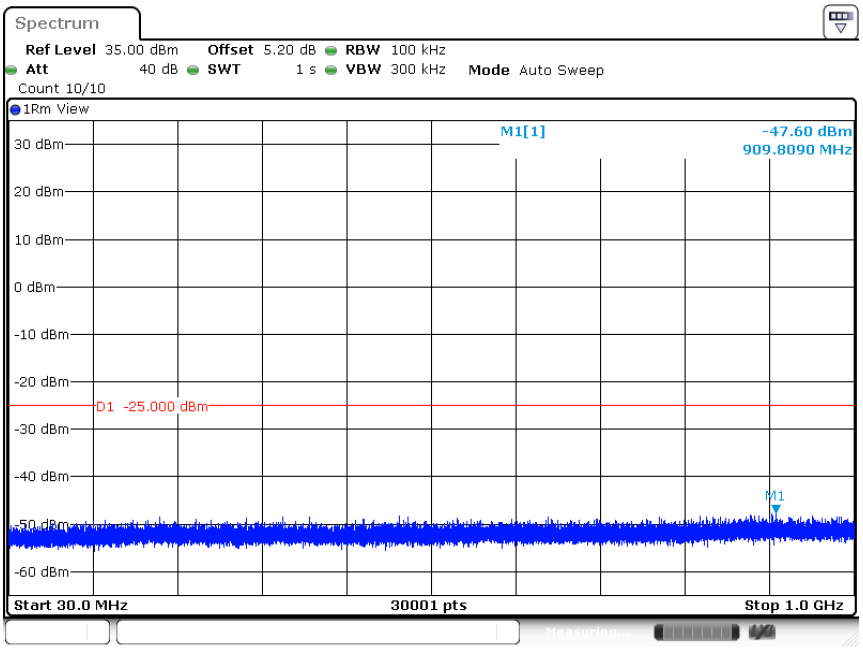
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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

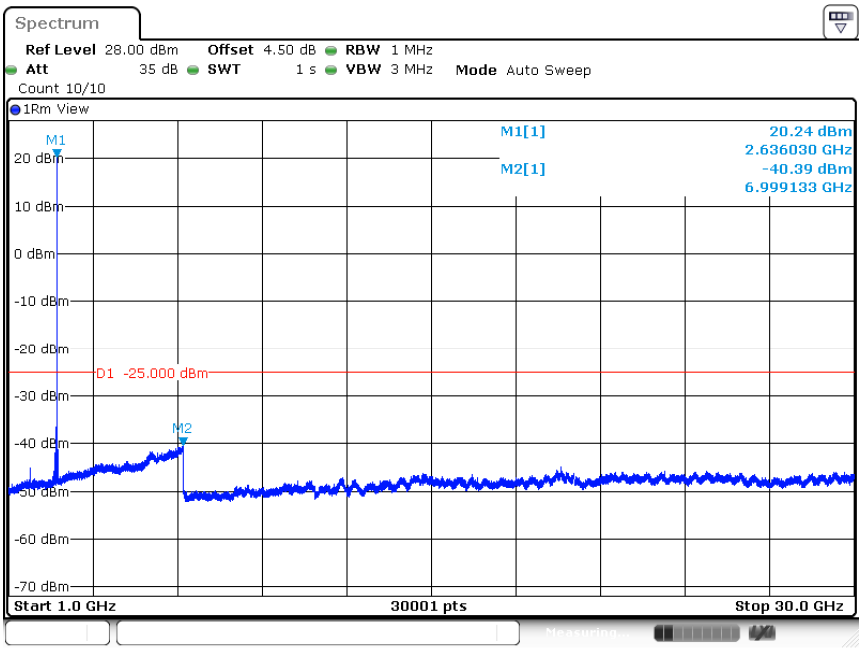
Band41-20MHz-64QAM-41140-1RB#0-Range1:30~1000MHz



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

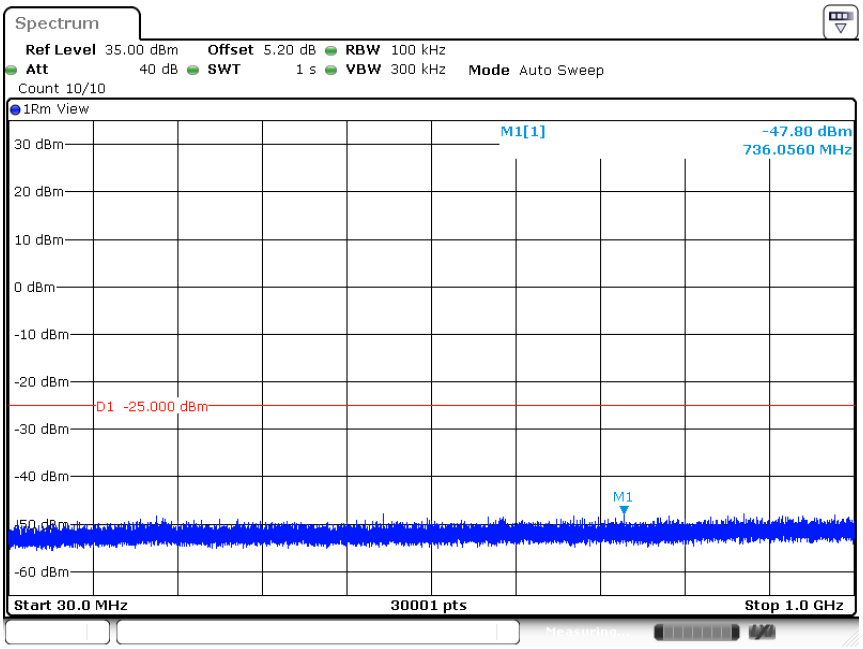
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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-41140-1RB#0-Range2:1000~30000MHz



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

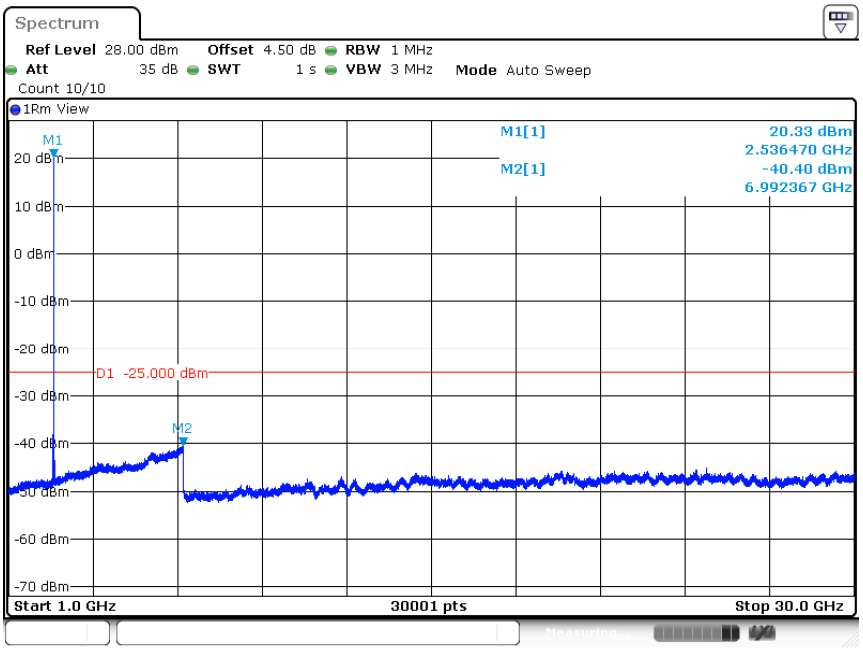
Band41-20MHz-16QAM-40140-1RB#0-Range1:30~1000MHz



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

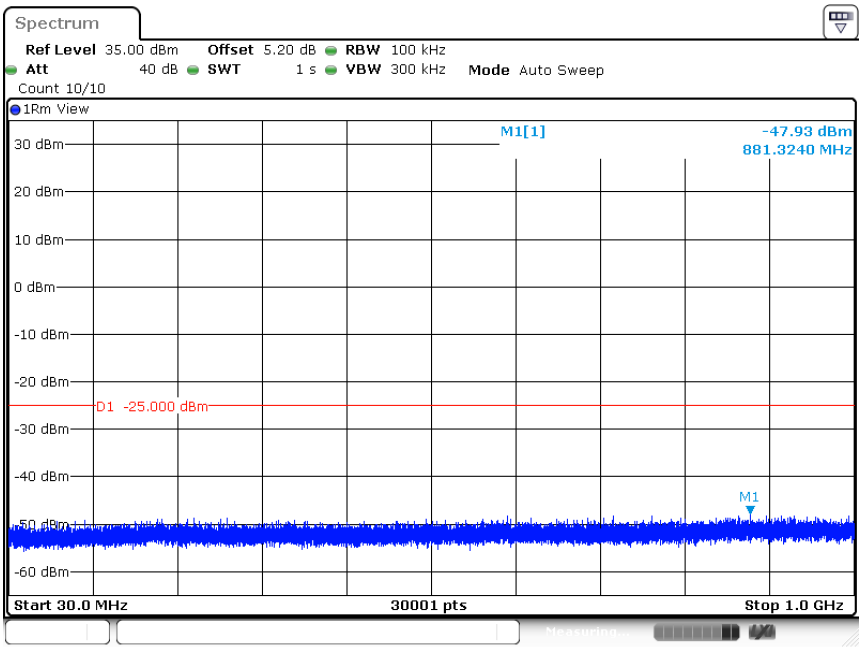
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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-40140-1RB#0-Range2:1000~30000MHz



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

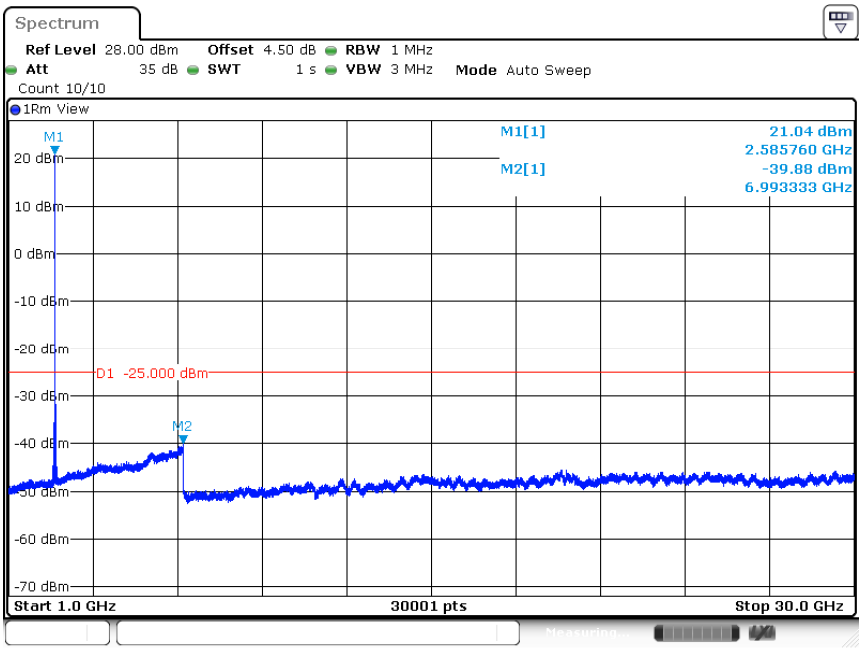
Band41-20MHz-16QAM-40640-1RB#0-Range1:30~1000MHz



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

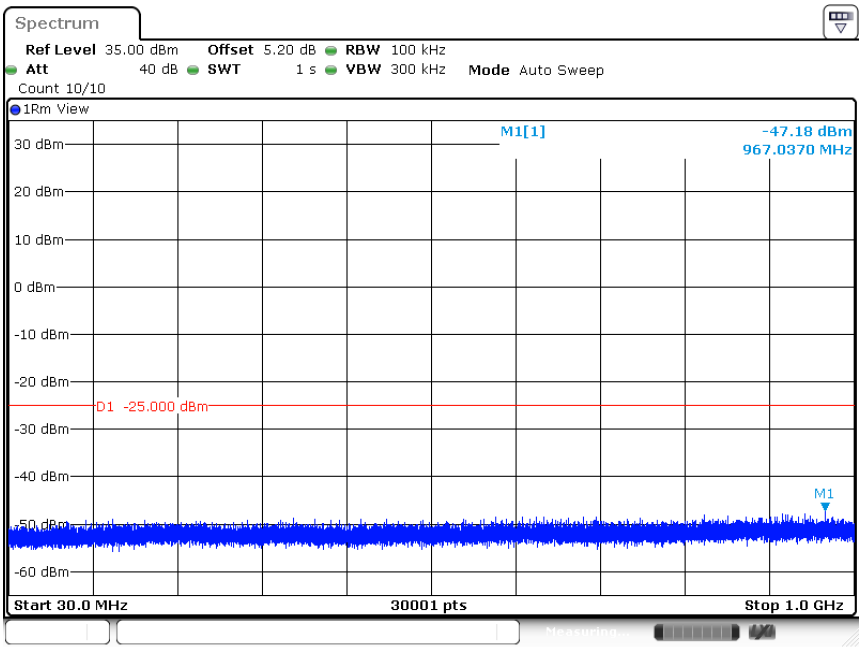
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 Electronic 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-16QAM-40640-1RB#0-Range2:1000~30000MHz



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

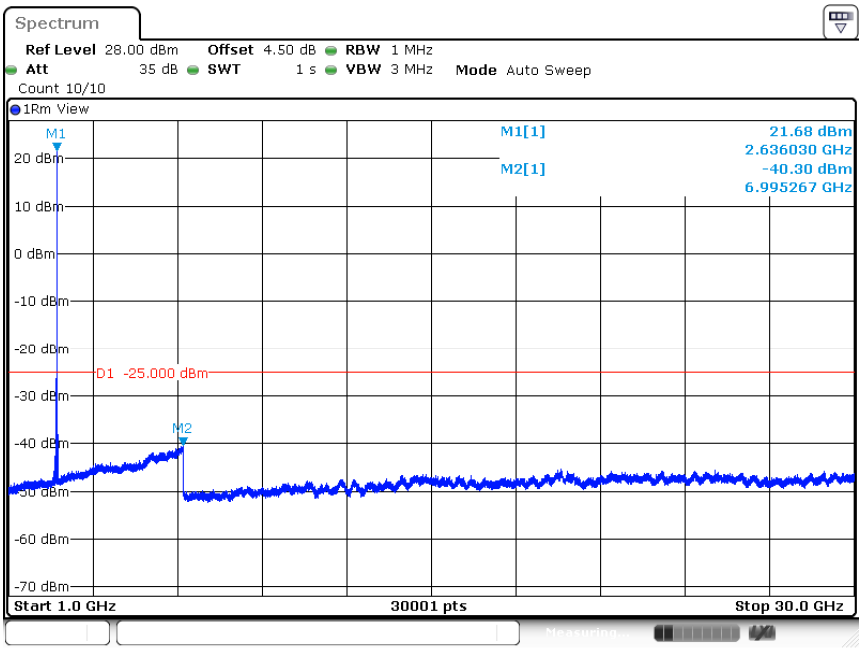
Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz



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

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

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

Member of the SGS Group (SGS SA)

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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.

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

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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 (℃)	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 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	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

通标标准技术服务有限公司深圳分公司
检验检测专用章
Inspection & Testing Services
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