



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



CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER..... 4

1.1 TEST RESULT..... 4

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 = MCH16

3.2 TEST MODE = LTE /TM2 20MHZ.....17

3.2.1 TEST CHANNEL = MCH17

3.3 TEST MODE = LTE /TM3 20MHZ.....18

3.3.1 TEST CHANNEL = MCH18

4 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....19

4.1 TEST RESULT.....19

4.2 TEST PLOTS.....20

5 BAND EDGE COMPLIANCE39

5.1 TEST PLOTS.....39

6 SPURIOUS EMISSION AT ANTENNA TERMINAL.....64

6.1 TEST PLOTS.....64

7 FIELD STRENGTH OF SPURIOUS RADIATION74

7.1 Test Band = LTE_41_TM174

7.1.1 Test Channel = Low Channel74

7.2 Test Band = LTE_41_TM175

7.2.1 Test Channel = Low Channel75

7.3 Test Band = LTE_41_TM176

7.3.1 Test Channel = Middle Channel76

7.4 Test Band = LTE_41_TM177

7.4.1 Test Channel = Middle Channel77

7.5 Test Band = LTE_41_TM178

7.5.1 Test Channel = High Channel78



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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
Shenzhen Branch, CSTC Laboratory 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.6 Test Band = LTE_41_TM179
7.6.1 Test Channel = High Channel79

8 FREQUENCY STABILITY.....80

8.1 FREQUENCY Vs VOLTAGE80
8.2 FREQUENCY Vs TEMPERATURE81



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

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

1 Effective (Isotropic) Radiated Power

1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	23.60	24.23	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#12	23.60	24.23	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#24	23.74	24.37	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#0	22.53	23.16	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#6	22.54	23.17	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#13	22.67	23.3	33.00	PASS
Band41	5MHz	QPSK	40065	25RB#0	22.62	23.25	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#0	23.72	24.35	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#12	23.48	24.11	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#24	23.51	24.14	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#0	22.56	23.19	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#6	22.49	23.12	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#13	22.61	23.24	33.00	PASS
Band41	5MHz	QPSK	40640	25RB#0	22.55	23.18	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	23.31	23.94	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	23.15	23.78	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	23.34	23.97	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	22.18	22.81	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	22.13	22.76	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	22.22	22.85	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	22.28	22.91	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#0	22.08	22.71	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#12	22.41	23.04	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#24	22.21	22.84	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#0	21.46	22.09	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#6	21.45	22.08	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#13	21.27	21.9	33.00	PASS
Band41	5MHz	16QAM	40065	25RB#0	21.62	22.25	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#0	22.06	22.69	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#12	22.26	22.89	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#24	22.15	22.78	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#0	21.52	22.15	33.00	PASS



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

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

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



Band41	5MHz	16QAM	40640	12RB#6	21.47	22.1	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#13	21.47	22.1	33.00	PASS
Band41	5MHz	16QAM	40640	25RB#0	21.63	22.26	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.68	22.31	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.94	22.57	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.87	22.5	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	21.04	21.67	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	21.05	21.68	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	21.01	21.64	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	21.20	21.83	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#0	21.31	21.94	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#12	21.22	21.85	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#24	21.50	22.13	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#0	20.53	21.16	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#6	20.70	21.33	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#13	20.77	21.4	33.00	PASS
Band41	5MHz	64QAM	40065	25RB#0	20.63	21.26	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#0	21.38	22.01	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#12	21.38	22.01	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#24	21.42	22.05	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#0	20.45	21.08	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#6	20.47	21.1	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#13	20.63	21.26	33.00	PASS
Band41	5MHz	64QAM	40640	25RB#0	20.69	21.32	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	21.27	21.9	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	20.97	21.6	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.99	21.62	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	20.22	20.85	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	20.08	20.71	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	20.37	21	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	20.28	20.91	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#0	23.57	24.2	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#24	23.83	24.46	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#49	23.64	24.27	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#0	22.64	23.27	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#12	22.66	23.29	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#25	22.78	23.41	33.00	PASS
Band41	10MHz	QPSK	40090	50RB#0	22.69	23.32	33.00	PASS



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

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

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



Band41	10MHz	QPSK	40640	1RB#0	23.81	24.44	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#24	23.73	24.36	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#49	23.25	23.88	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#0	22.66	23.29	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#12	22.66	23.29	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#25	22.53	23.16	33.00	PASS
Band41	10MHz	QPSK	40640	50RB#0	22.55	23.18	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	23.39	24.02	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	23.31	23.94	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	23.13	23.76	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	22.37	23	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	22.28	22.91	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	22.24	22.87	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	22.30	22.93	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#0	21.91	22.54	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#24	22.08	22.71	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#49	21.95	22.58	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#0	21.59	22.22	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#12	21.74	22.37	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#25	21.67	22.3	33.00	PASS
Band41	10MHz	16QAM	40090	50RB#0	21.69	22.32	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#0	22.35	22.98	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#24	22.41	23.04	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.97	22.6	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#0	21.73	22.36	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#12	21.63	22.26	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#25	21.71	22.34	33.00	PASS
Band41	10MHz	16QAM	40640	50RB#0	21.52	22.15	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	22.38	23.01	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	22.18	22.81	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.85	22.48	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	21.24	21.87	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	21.38	22.01	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	21.16	21.79	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	21.20	21.83	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#0	21.48	22.11	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#24	21.51	22.14	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#49	21.42	22.05	33.00	PASS



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

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

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



Band41	10MHz	64QAM	40090	25RB#0	20.65	21.28	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#12	20.84	21.47	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#25	20.67	21.3	33.00	PASS
Band41	10MHz	64QAM	40090	50RB#0	20.77	21.4	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#0	21.58	22.21	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#24	21.22	21.85	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#49	21.05	21.68	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#0	20.46	21.09	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#12	20.57	21.2	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#25	20.49	21.12	33.00	PASS
Band41	10MHz	64QAM	40640	50RB#0	20.66	21.29	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	21.02	21.65	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	21.04	21.67	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.79	21.42	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	20.27	20.9	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	20.25	20.88	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	20.23	20.86	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	20.44	21.07	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#0	23.64	24.27	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#38	23.56	24.19	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#74	23.65	24.28	33.00	PASS
Band41	15MHz	QPSK	40115	38RB#0	23.81	24.44	33.00	PASS
Band41	15MHz	QPSK	40115	38RB#18	23.68	24.31	33.00	PASS
Band41	15MHz	QPSK	40115	38RB#37	23.62	24.25	33.00	PASS
Band41	15MHz	QPSK	40115	75RB#0	22.74	23.37	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#0	23.79	24.42	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#38	23.46	24.09	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#74	23.37	24	33.00	PASS
Band41	15MHz	QPSK	40640	38RB#0	23.77	24.4	33.00	PASS
Band41	15MHz	QPSK	40640	38RB#18	23.72	24.35	33.00	PASS
Band41	15MHz	QPSK	40640	38RB#37	23.56	24.19	33.00	PASS
Band41	15MHz	QPSK	40640	75RB#0	22.71	23.34	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	23.35	23.98	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	23.15	23.78	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	23.20	23.83	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#0	23.28	23.91	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#18	23.26	23.89	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#37	23.35	23.98	33.00	PASS



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

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

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



Band41	15MHz	QPSK	41165	75RB#0	22.42	23.05	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#0	22.14	22.77	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#38	22.10	22.73	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#74	22.05	22.68	33.00	PASS
Band41	15MHz	16QAM	40115	38RB#0	22.45	23.08	33.00	PASS
Band41	15MHz	16QAM	40115	38RB#18	22.33	22.96	33.00	PASS
Band41	15MHz	16QAM	40115	38RB#37	22.27	22.9	33.00	PASS
Band41	15MHz	16QAM	40115	75RB#0	21.65	22.28	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#0	22.10	22.73	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#38	22.25	22.88	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.97	22.6	33.00	PASS
Band41	15MHz	16QAM	40640	38RB#0	22.84	23.47	33.00	PASS
Band41	15MHz	16QAM	40640	38RB#18	22.25	22.88	33.00	PASS
Band41	15MHz	16QAM	40640	38RB#37	22.35	22.98	33.00	PASS
Band41	15MHz	16QAM	40640	75RB#0	21.68	22.31	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	22.08	22.71	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.95	22.58	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	22.21	22.84	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#0	22.36	22.99	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#18	21.89	22.52	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#37	22.14	22.77	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	21.44	22.07	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#0	21.47	22.1	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#38	21.39	22.02	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#74	21.27	21.9	33.00	PASS
Band41	15MHz	64QAM	40115	38RB#0	21.52	22.15	33.00	PASS
Band41	15MHz	64QAM	40115	38RB#18	21.48	22.11	33.00	PASS
Band41	15MHz	64QAM	40115	38RB#37	21.55	22.18	33.00	PASS
Band41	15MHz	64QAM	40115	75RB#0	20.54	21.17	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#0	21.66	22.29	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#38	21.16	21.79	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#74	21.12	21.75	33.00	PASS
Band41	15MHz	64QAM	40640	38RB#0	21.60	22.23	33.00	PASS
Band41	15MHz	64QAM	40640	38RB#18	21.52	22.15	33.00	PASS
Band41	15MHz	64QAM	40640	38RB#37	21.15	21.78	33.00	PASS
Band41	15MHz	64QAM	40640	75RB#0	20.66	21.29	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	21.29	21.92	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	21.28	21.91	33.00	PASS



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

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

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



Band41	15MHz	64QAM	41165	1RB#74	21.00	21.63	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#0	21.04	21.67	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#18	21.28	21.91	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#37	21.15	21.78	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	20.29	20.92	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#0	23.62	24.25	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#49	23.69	24.32	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#99	23.47	24.1	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#0	22.78	23.41	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#25	22.77	23.4	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#50	22.57	23.2	33.00	PASS
Band41	20MHz	QPSK	40140	100RB#0	22.79	23.42	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#0	23.63	24.26	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#49	23.77	24.4	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#99	23.08	23.71	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#0	22.70	23.33	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#25	22.65	23.28	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#50	22.51	23.14	33.00	PASS
Band41	20MHz	QPSK	40640	100RB#0	22.57	23.2	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	23.18	23.81	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	23.71	24.34	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.99	23.62	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	22.40	23.03	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	22.29	22.92	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	22.28	22.91	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	22.43	23.06	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#0	22.00	22.63	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#49	22.14	22.77	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#99	21.94	22.57	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#0	21.63	22.26	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#25	21.86	22.49	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#50	21.74	22.37	33.00	PASS
Band41	20MHz	16QAM	40140	100RB#0	21.62	22.25	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#0	22.28	22.91	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#49	22.88	23.51	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#99	21.82	22.45	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#0	21.55	22.18	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#25	21.45	22.08	33.00	PASS



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

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

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



Band41	20MHz	16QAM	40640	50RB#50	21.37	22	33.00	PASS
Band41	20MHz	16QAM	40640	100RB#0	21.45	22.08	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	21.78	22.41	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	22.71	23.34	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.74	22.37	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	21.32	21.95	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	21.27	21.9	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	21.25	21.88	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	21.34	21.97	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#0	21.37	22	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#49	20.81	21.44	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#99	21.33	21.96	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#0	20.69	21.32	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#25	20.75	21.38	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#50	20.63	21.26	33.00	PASS
Band41	20MHz	64QAM	40140	100RB#0	20.65	21.28	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#0	21.73	22.36	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#49	21.27	21.9	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#99	20.90	21.53	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#0	20.68	21.31	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#25	20.67	21.3	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#50	20.55	21.18	33.00	PASS
Band41	20MHz	64QAM	40640	100RB#0	20.55	21.18	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	20.82	21.45	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	20.99	21.62	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	20.78	21.41	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	20.45	21.08	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	20.33	20.96	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	20.32	20.95	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	20.32	20.95	33.00	PASS

Remark:

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

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

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



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

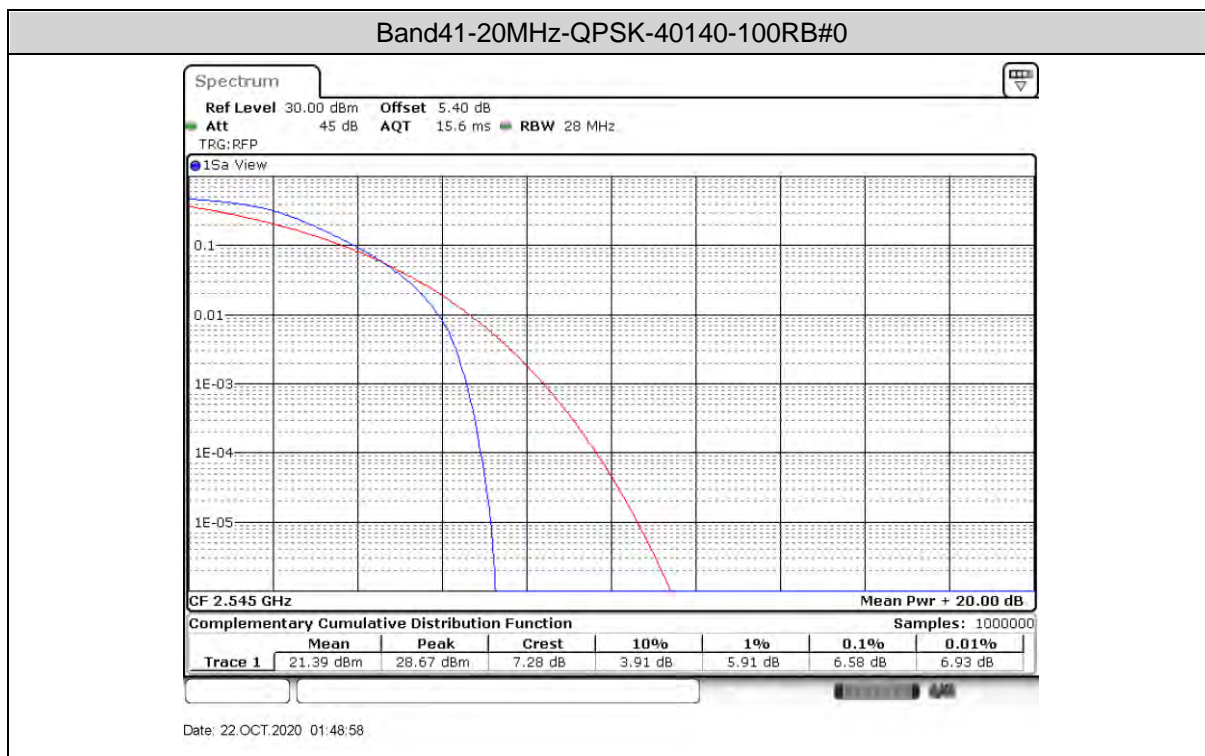


2 Peak-to-Average Ratio (CCDF)

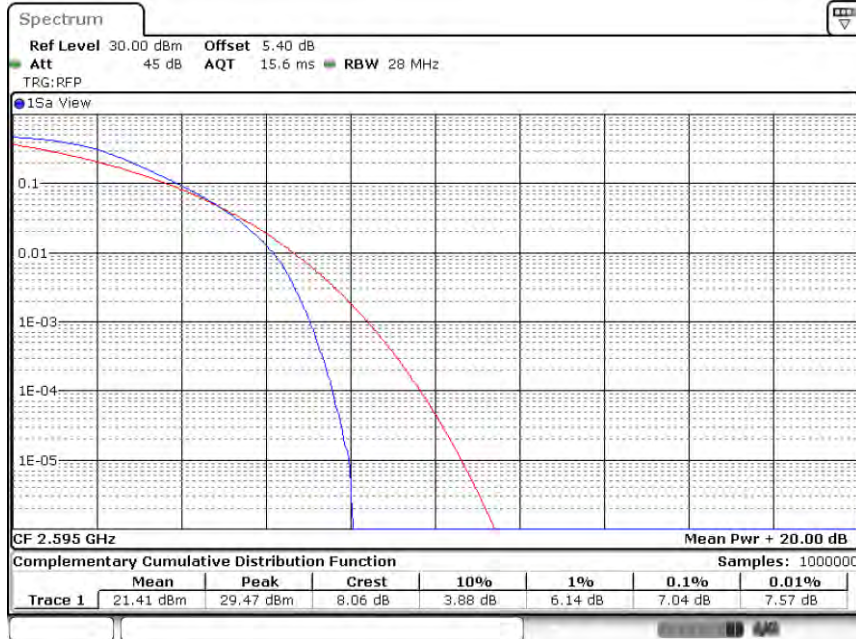
2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	6.58	13	PASS
Band41	20MHz	QPSK	40640	100RB#0	7.04	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	6.84	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	7.57	13	PASS
Band41	20MHz	16QAM	40640	100RB#0	7.88	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	7.80	13	PASS
Band41	20MHz	64QAM	40140	100RB#0	8.20	13	PASS
Band41	20MHz	64QAM	40640	100RB#0	8.41	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	8.43	13	PASS

2.2 Test Plots

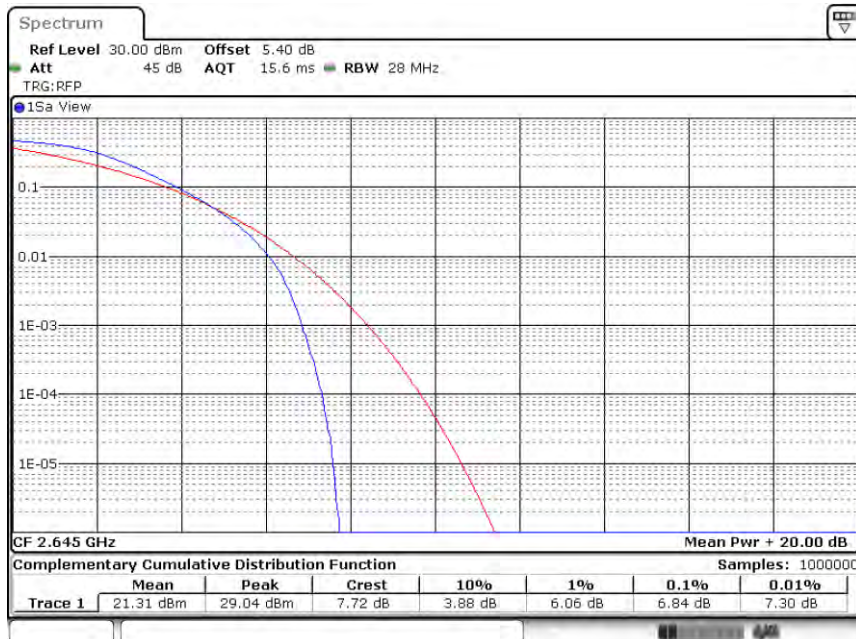


Band41-20MHz-QPSK-40640-100RB#0



Date: 22.OCT.2020 01:49:26

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

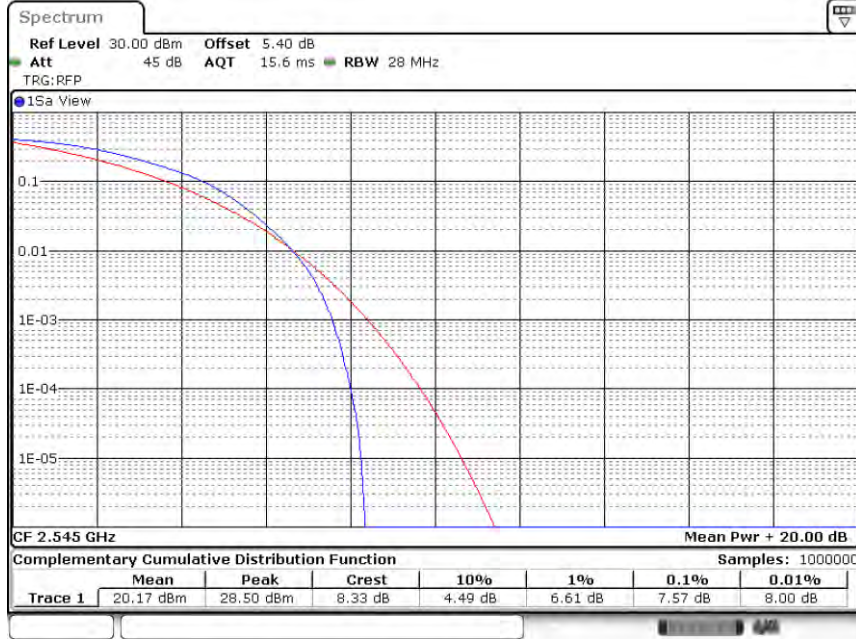


Date: 22.OCT.2020 01:49:56



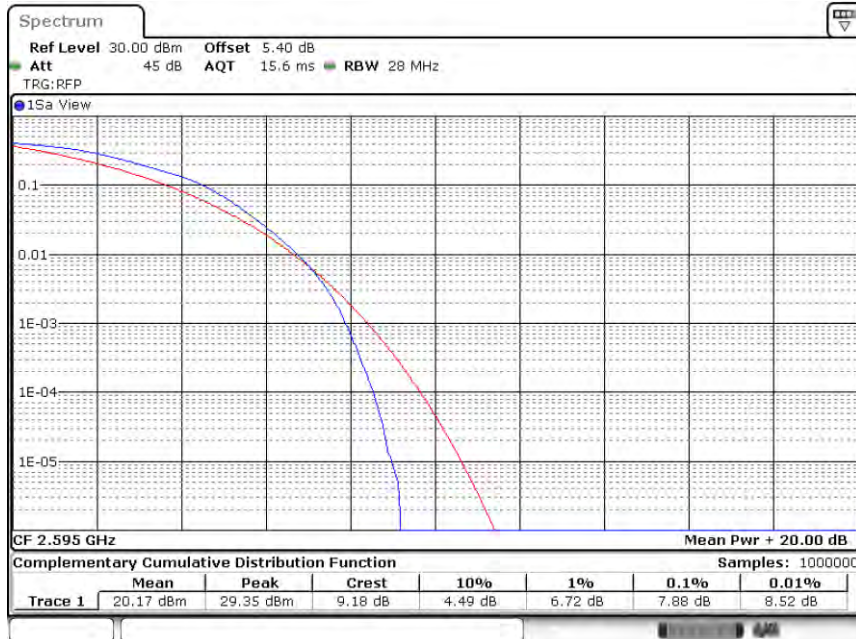
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:49:12

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

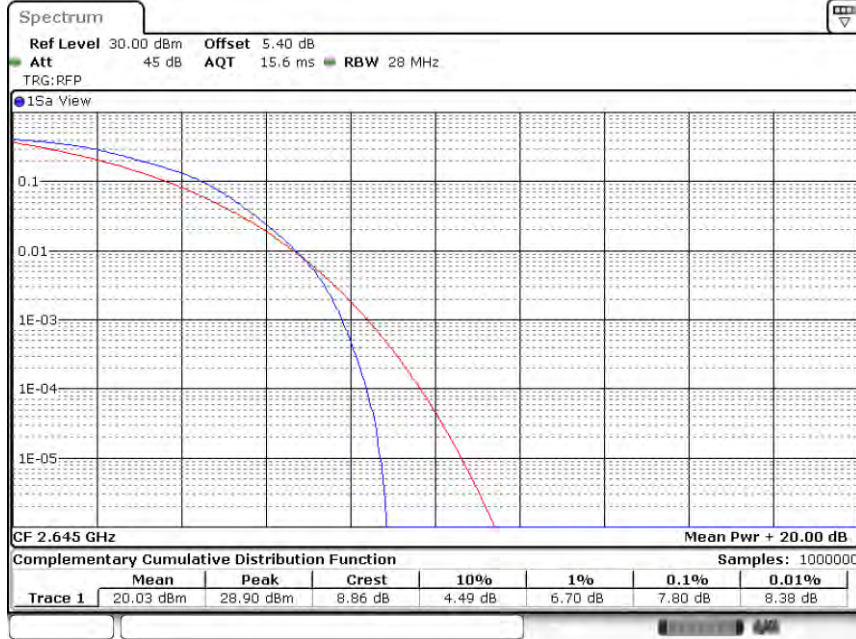


Date: 22.OCT.2020 01:49:41



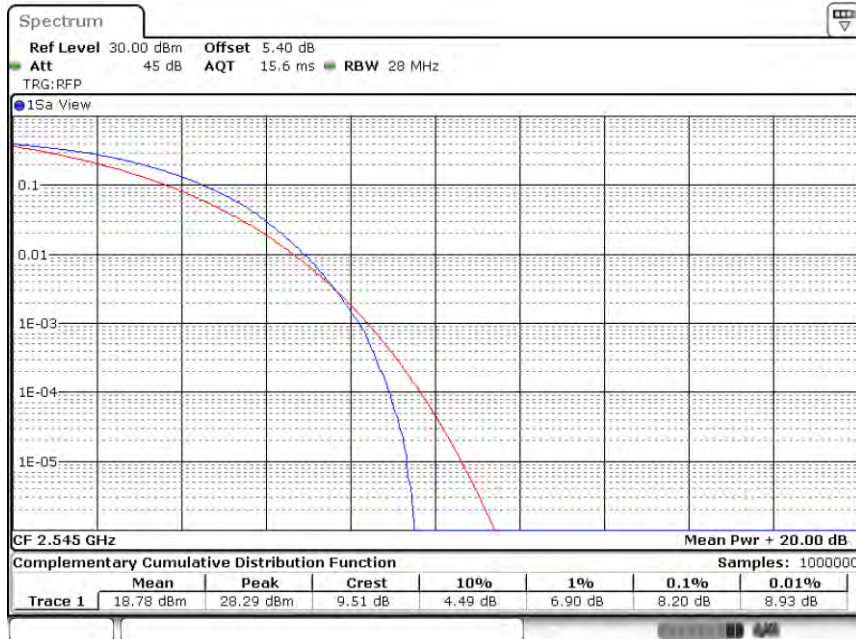
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:50:10

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

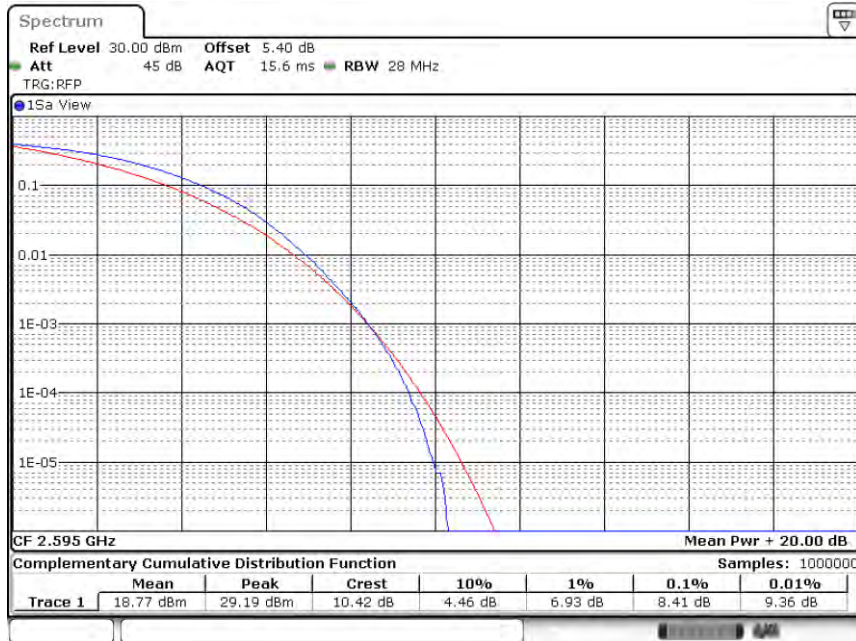


Date: 22.OCT.2020 12:21:57



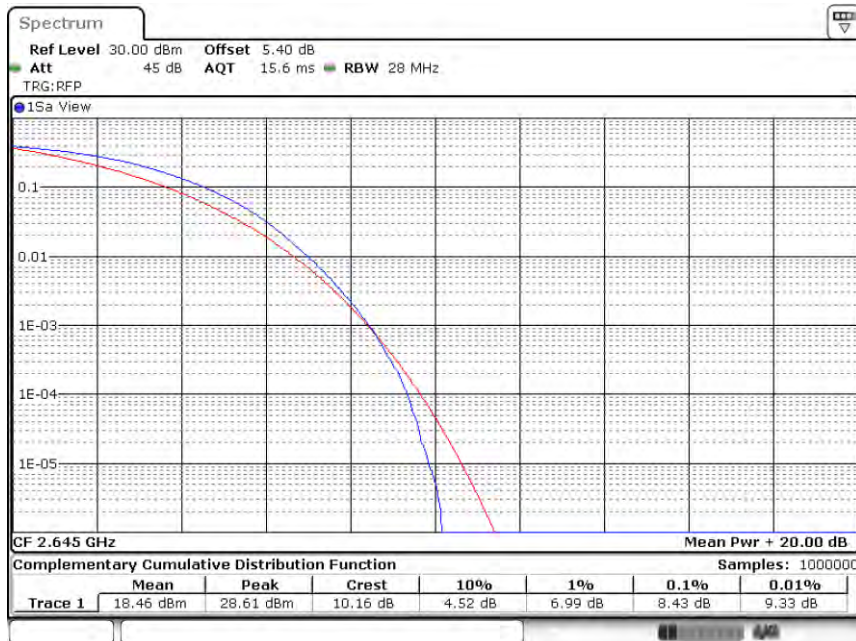
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 12:22:11

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



Date: 22.OCT.2020 12:22:26

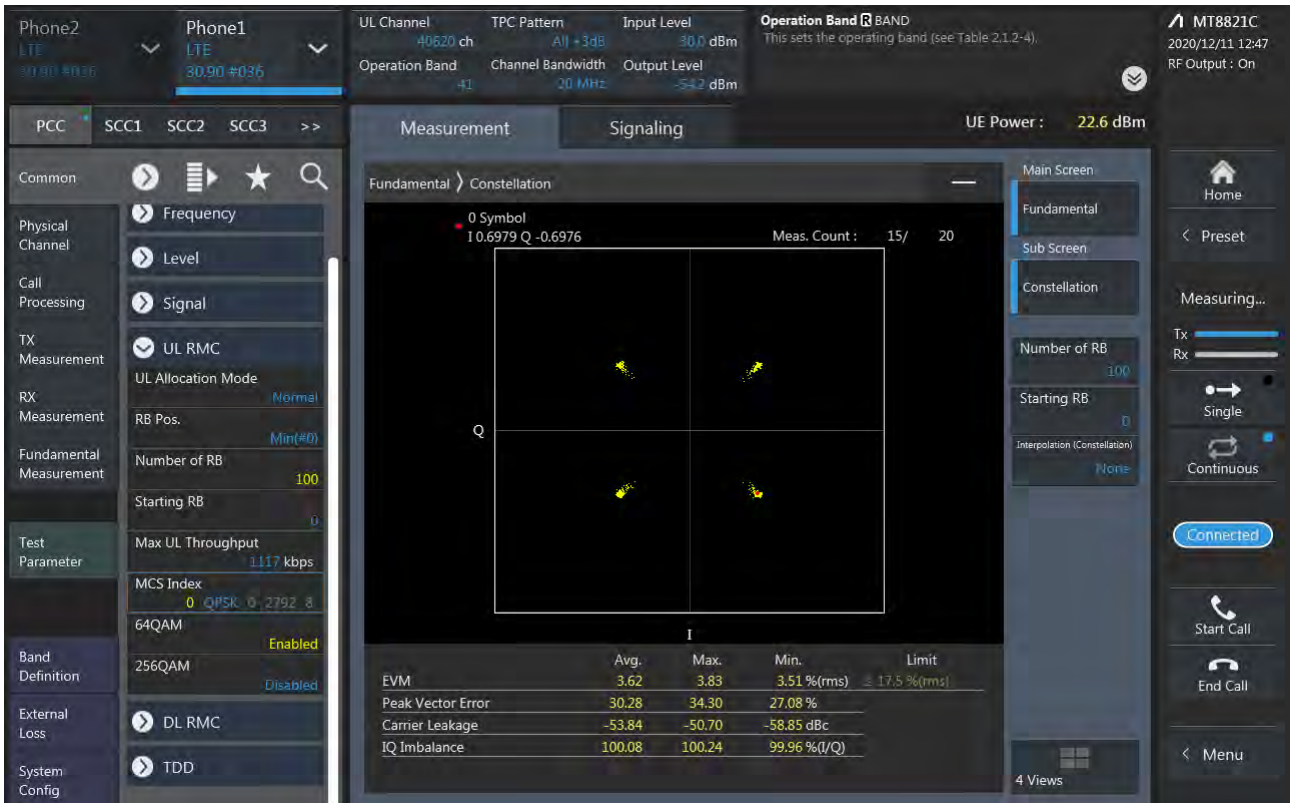


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



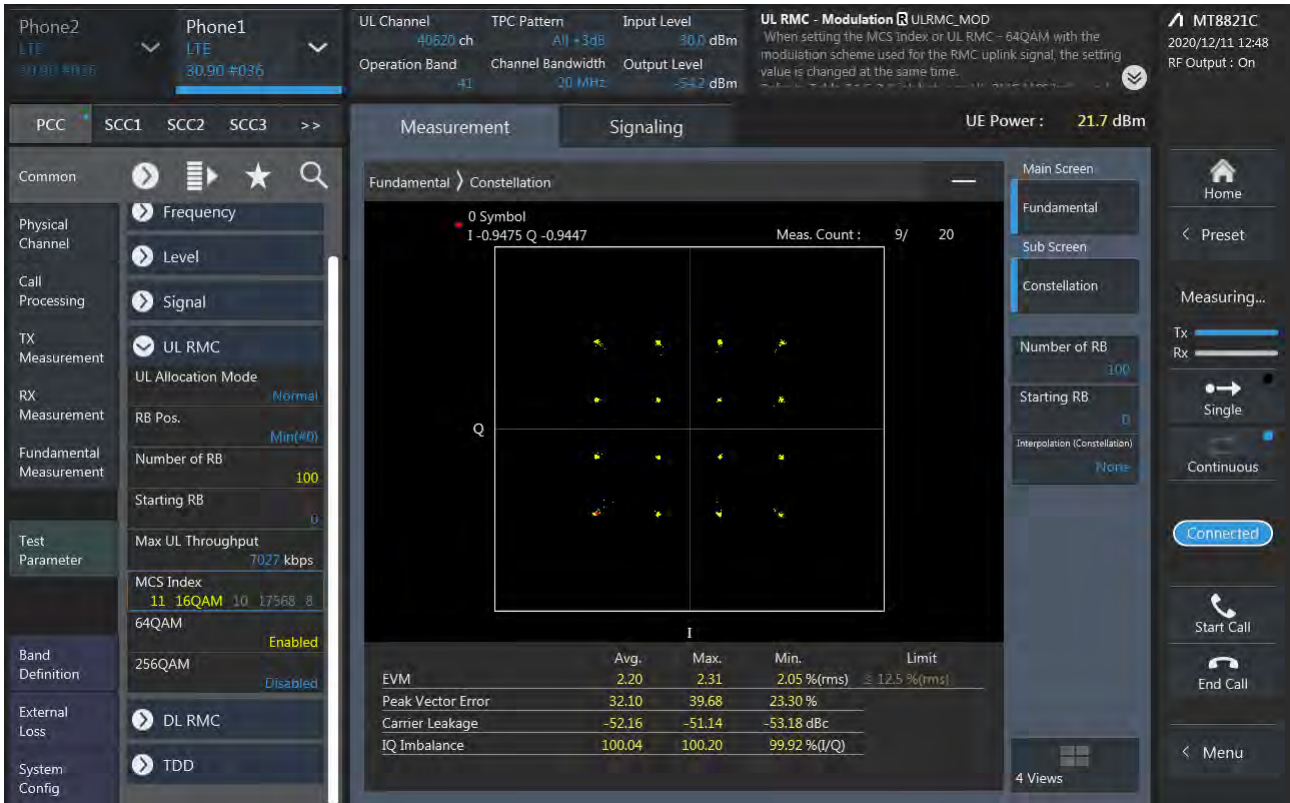
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch (Inspection & Testing Services 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

3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH



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

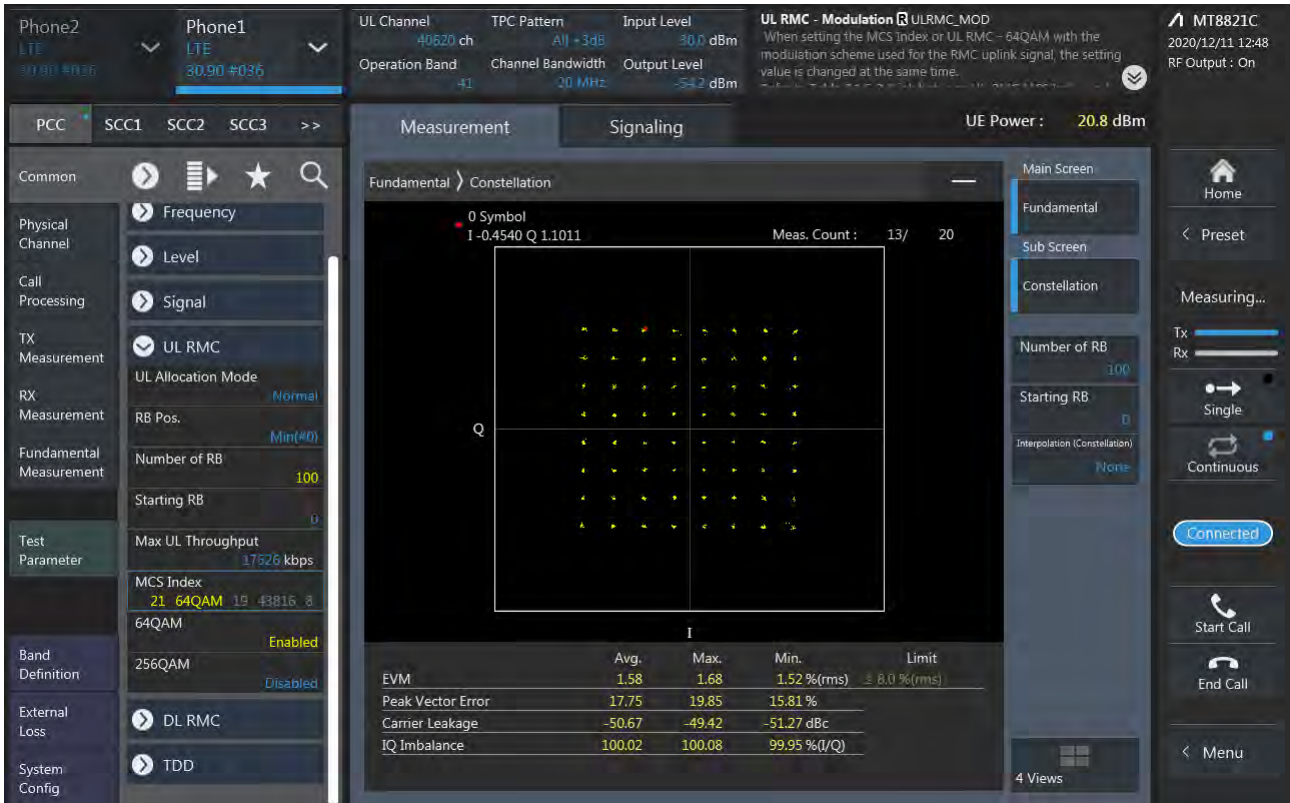
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



3.3 Test Mode = LTE /TM3 20MHz

3.3.1 Test Channel = MCH



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

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	4.920	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.466	4.910	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.476	4.920	PASS
Band41	5MHz	16QAM	40065	25RB#0	4.496	4.970	PASS
Band41	5MHz	16QAM	40640	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.496	4.970	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.486	4.920	PASS
Band41	5MHz	64QAM	40640	25RB#0	4.486	4.930	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.486	4.920	PASS
Band41	10MHz	QPSK	40090	50RB#0	8.891	9.800	PASS
Band41	10MHz	QPSK	40640	50RB#0	8.891	9.700	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.891	9.680	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.891	9.660	PASS
Band41	10MHz	16QAM	40640	50RB#0	8.911	9.620	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.911	9.660	PASS
Band41	10MHz	64QAM	40090	50RB#0	8.931	9.760	PASS
Band41	10MHz	64QAM	40640	50RB#0	8.911	9.740	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.931	9.780	PASS
Band41	15MHz	QPSK	40115	75RB#0	13.457	15.360	PASS
Band41	15MHz	QPSK	40640	75RB#0	13.457	15.330	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.487	15.690	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.427	15.270	PASS
Band41	15MHz	16QAM	40640	75RB#0	13.457	15.810	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.457	15.840	PASS
Band41	15MHz	64QAM	40115	75RB#0	13.427	15.240	PASS
Band41	15MHz	64QAM	40640	75RB#0	13.427	15.210	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.457	15.300	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.862	19.640	PASS
Band41	20MHz	QPSK	40640	100RB#0	17.902	19.920	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.902	19.960	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.862	19.320	PASS

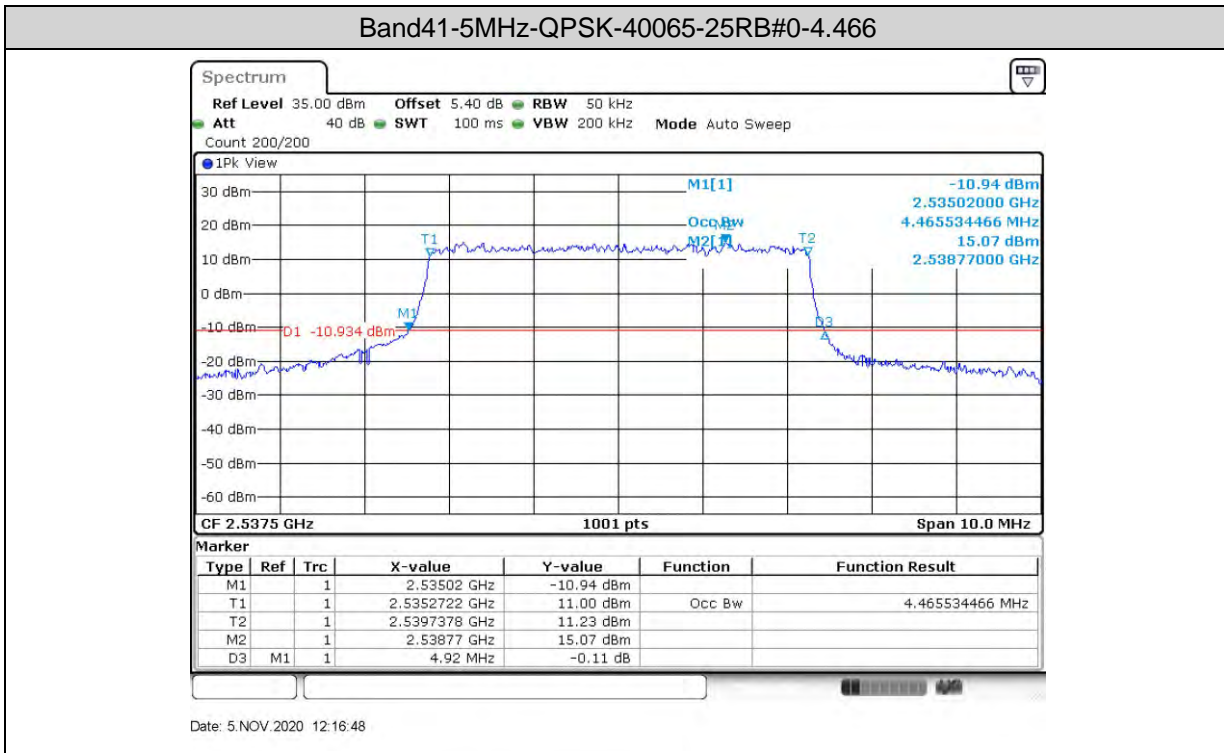


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

Band41	20MHz	16QAM	40640	100RB#0	17.902	19.280	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.862	19.320	PASS
Band41	20MHz	64QAM	40140	100RB#0	17.862	19.240	PASS
Band41	20MHz	64QAM	40640	100RB#0	17.902	19.320	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.862	19.320	PASS

4.2 Test Plots

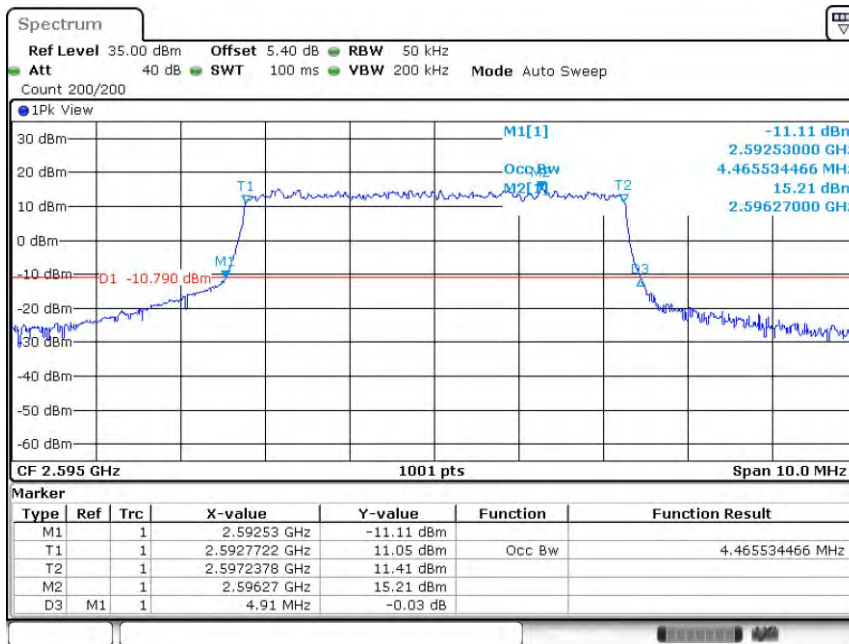


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

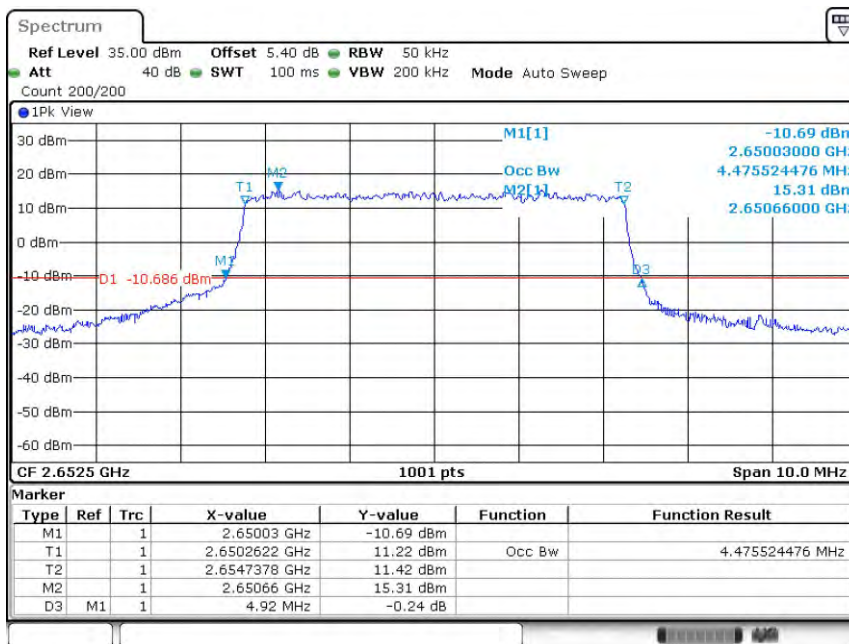
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band41-5MHz-QPSK-40640-25RB#0-4.466



Date: 5.NOV.2020 12:17:59

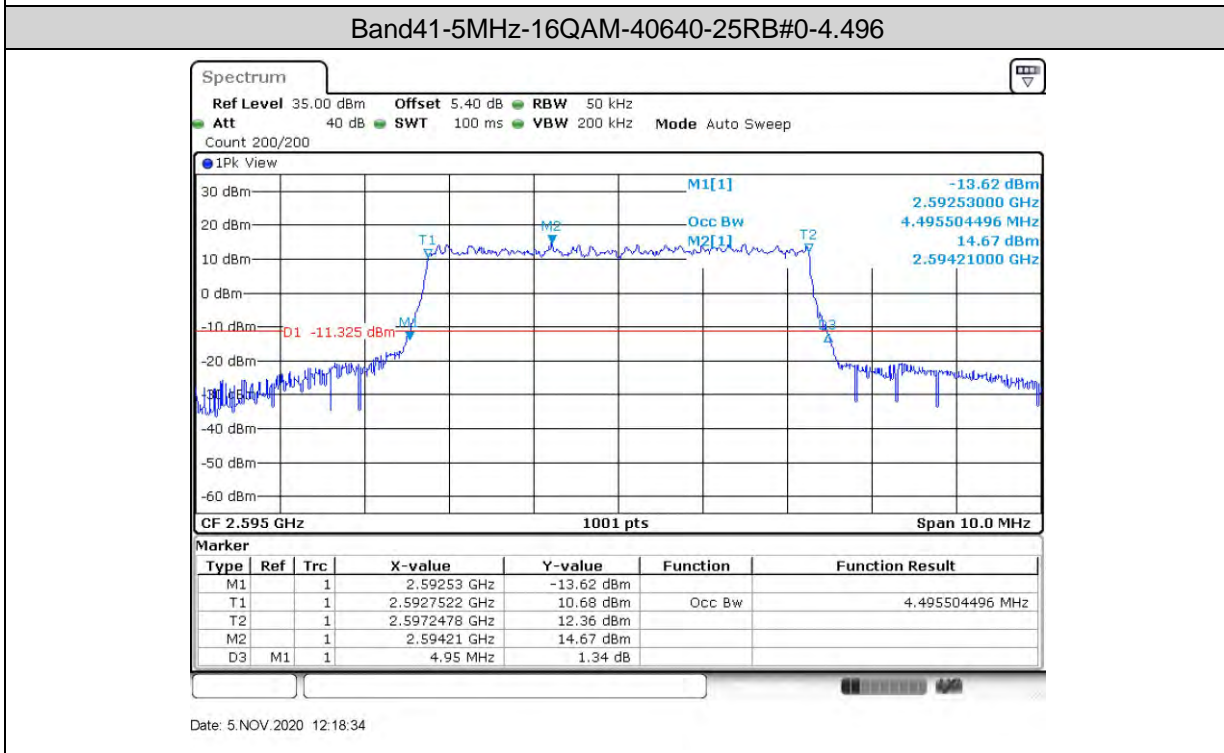
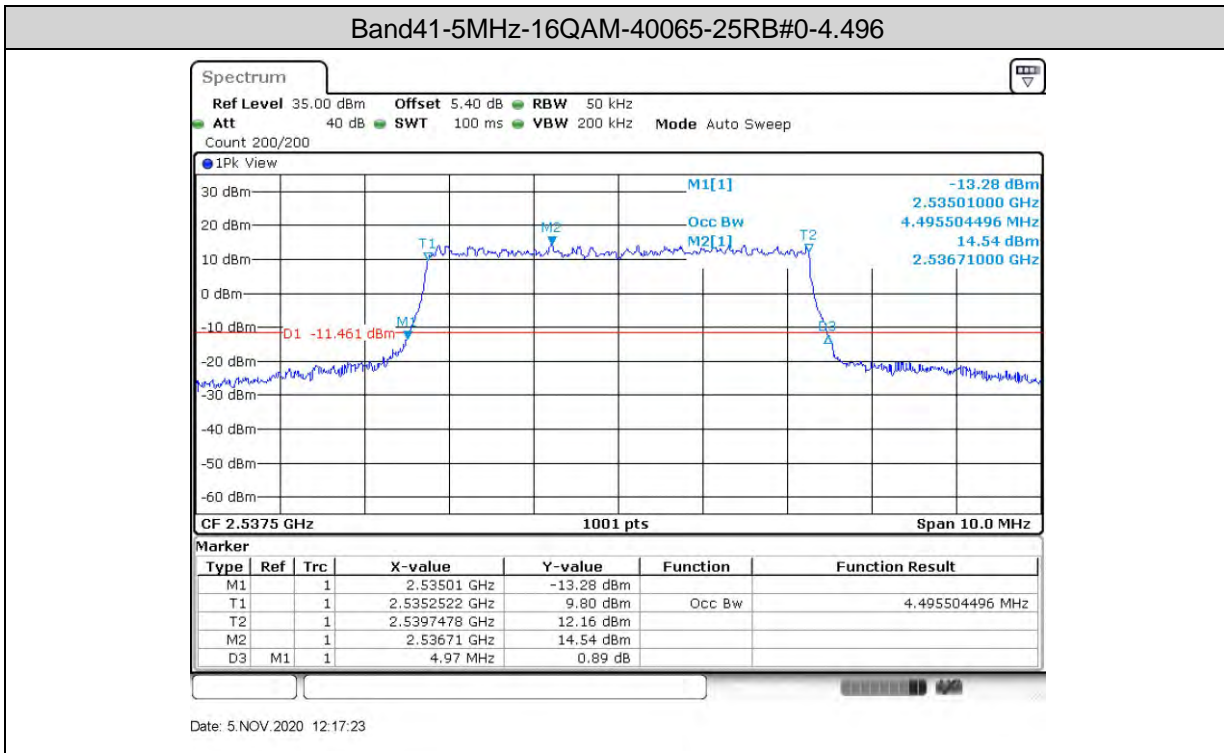
Band41-5MHz-QPSK-41215-25RB#0-4.476



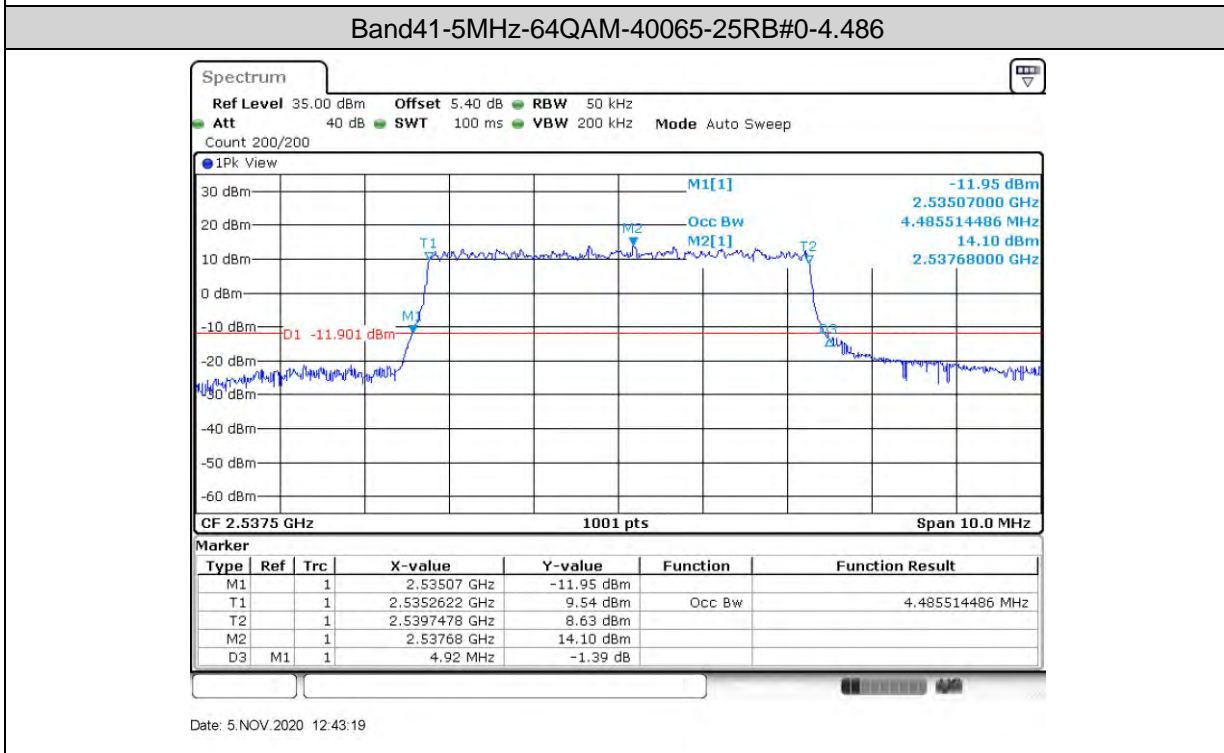
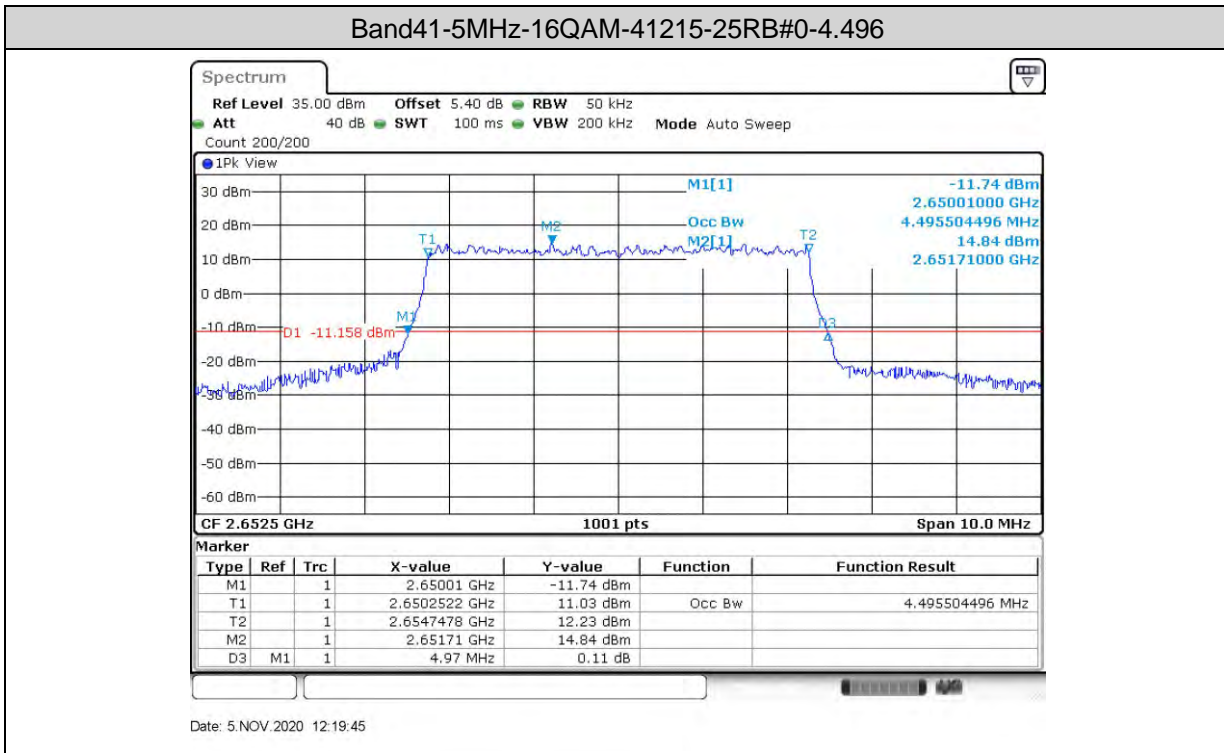
Date: 5.NOV.2020 12:19:10



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



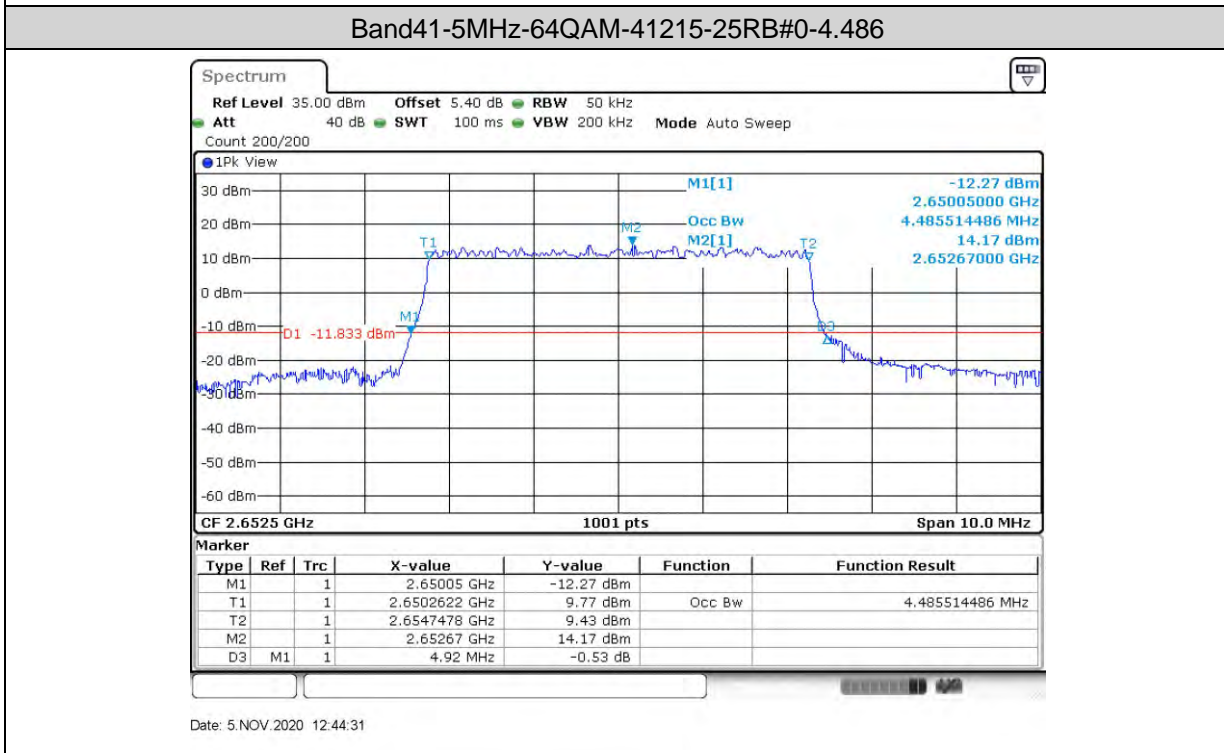
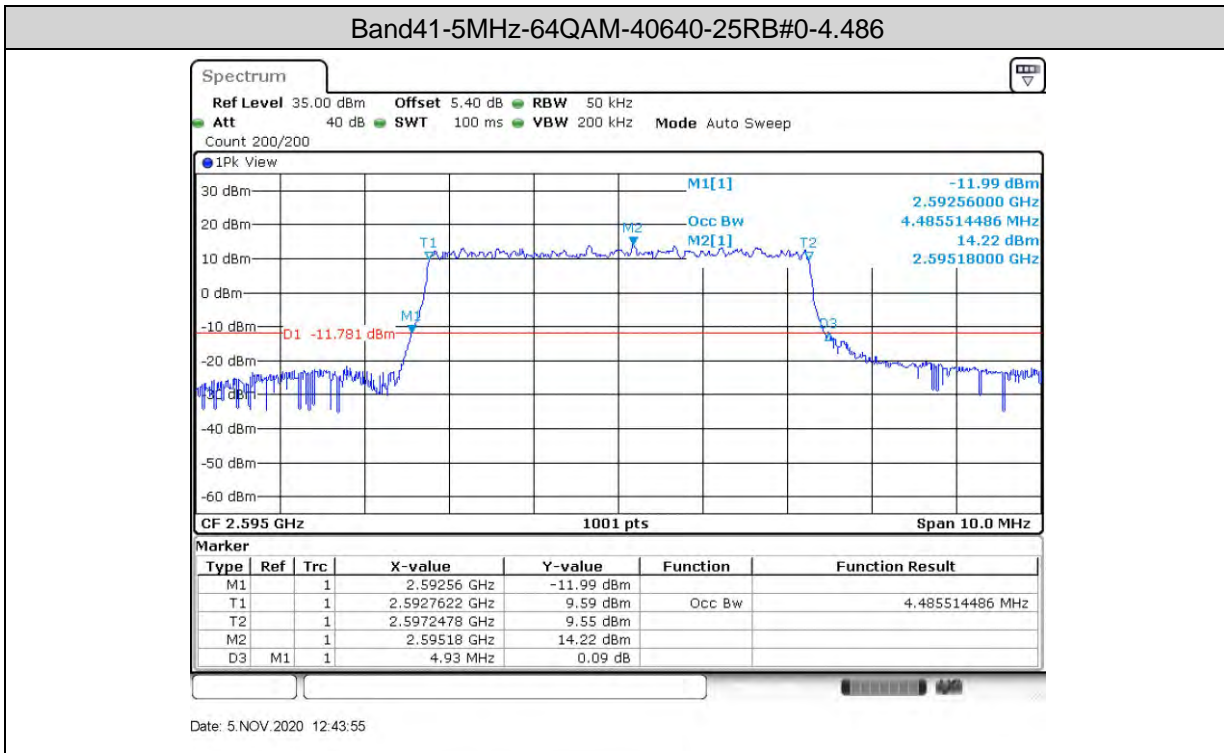
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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

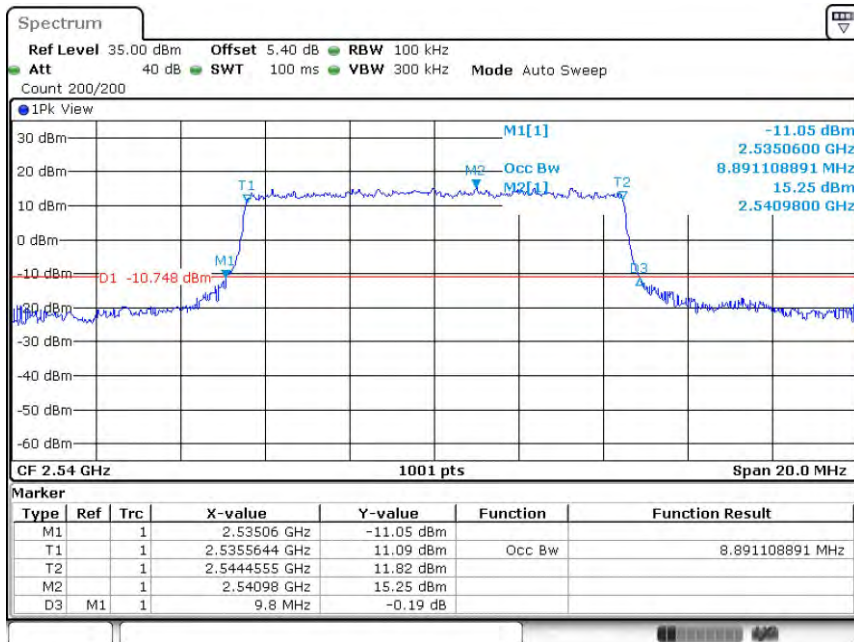
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



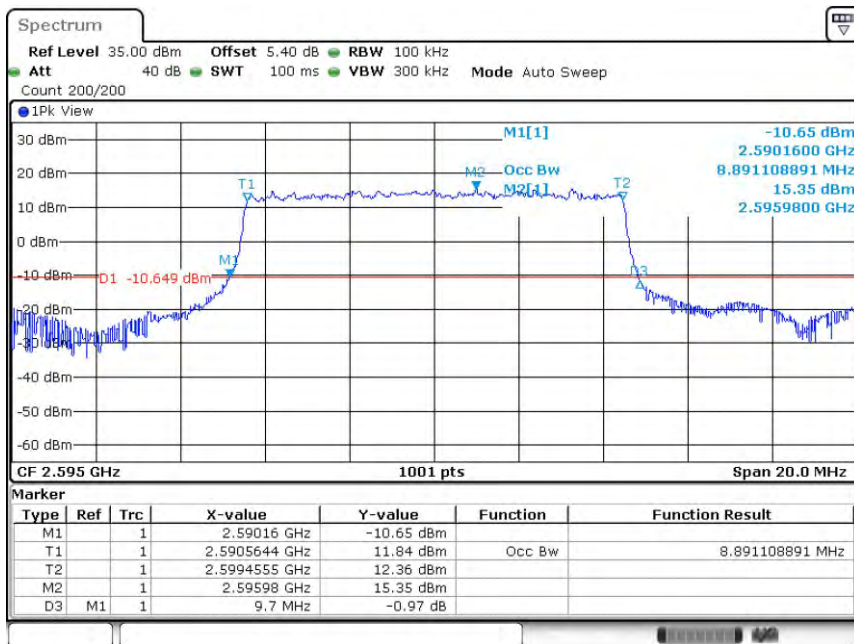
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-10MHz-QPSK-40090-50RB#0-8.891



Date: 5.NOV.2020 12:20:25

Band41-10MHz-QPSK-40640-50RB#0-8.891

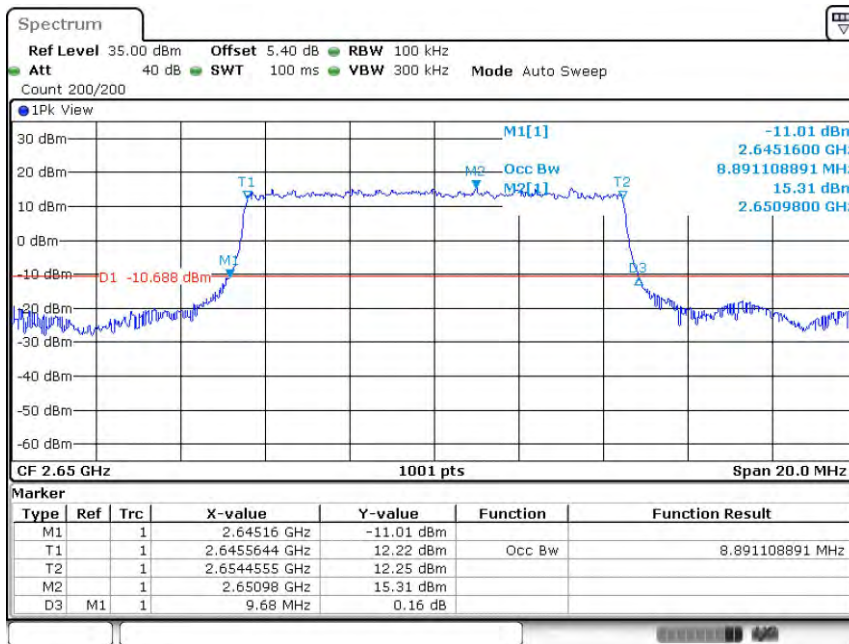


Date: 5.NOV.2020 12:21:36



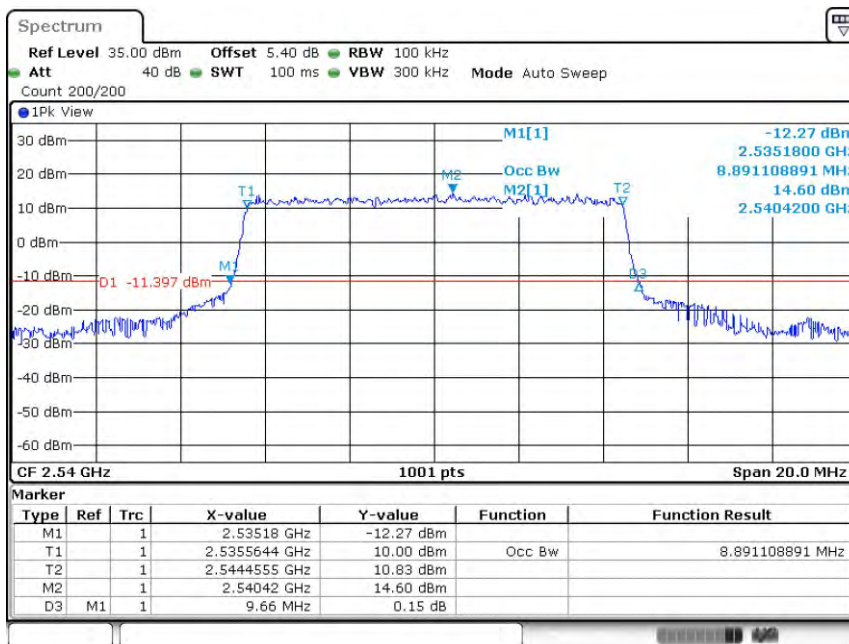
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-10MHz-QPSK-41190-50RB#0-8.891



Date: 5.NOV.2020 12:22:47

Band41-10MHz-16QAM-40090-50RB#0-8.891

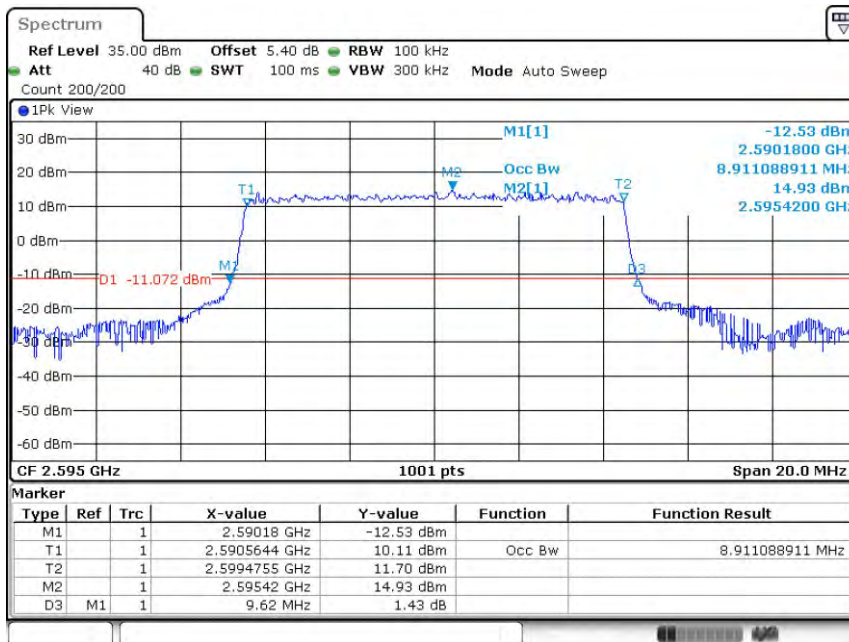


Date: 5.NOV.2020 12:21:01



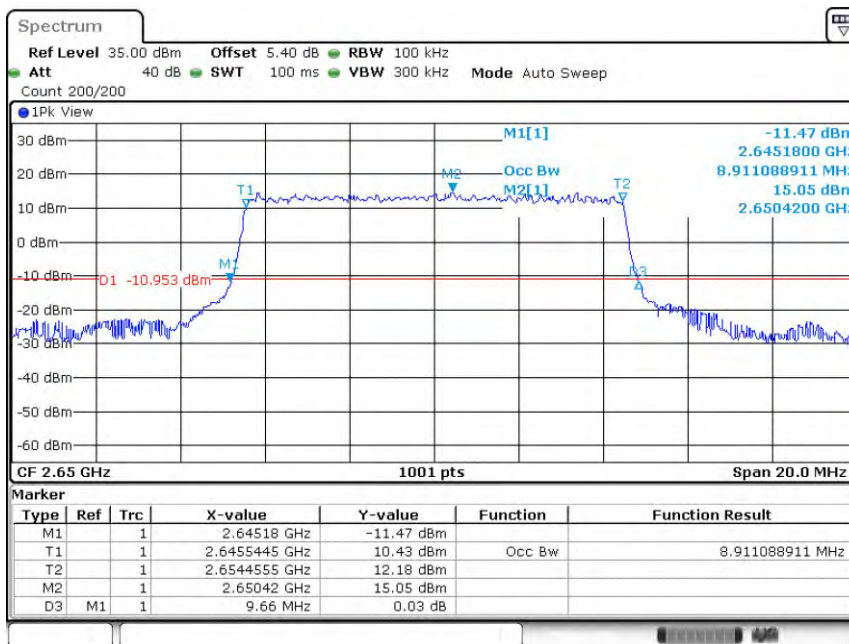
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 12:22:11

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

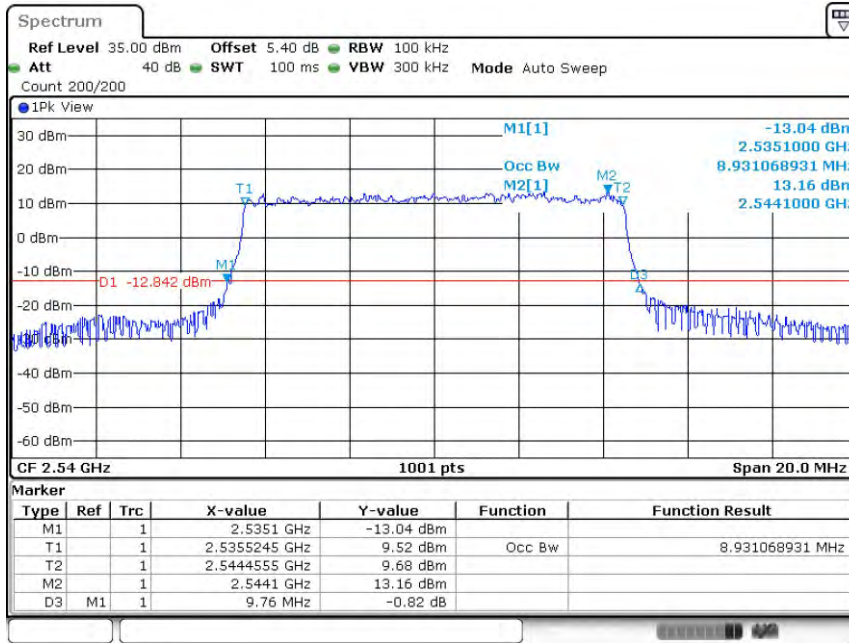


Date: 5.NOV.2020 12:23:22



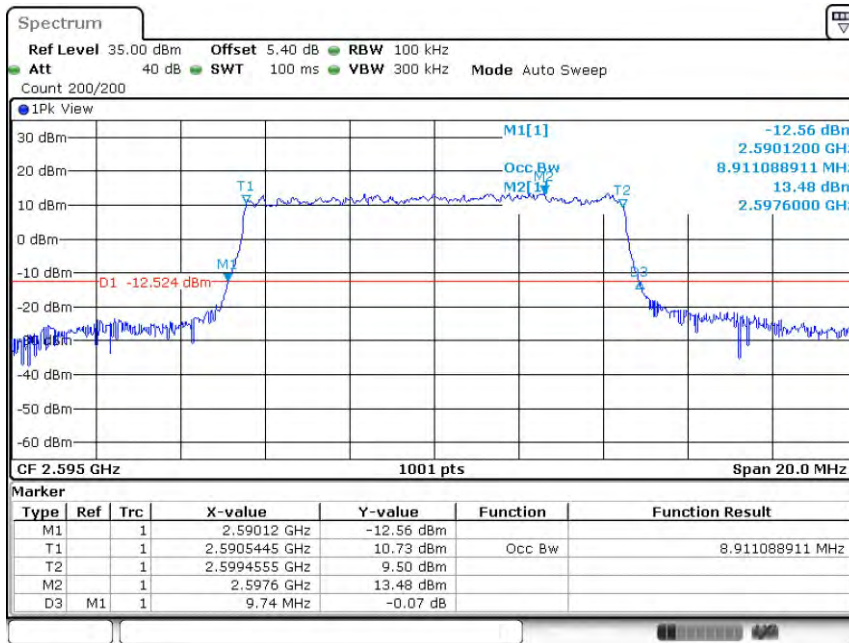
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-10MHz-64QAM-40090-50RB#0-8.931



Date: 5.NOV.2020 12:45:12

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

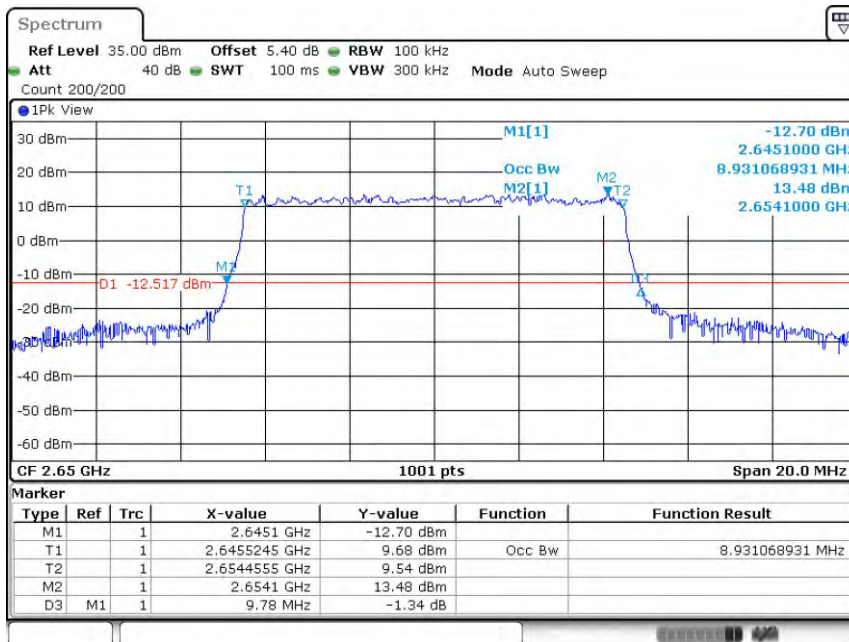


Date: 5.NOV.2020 12:45:47



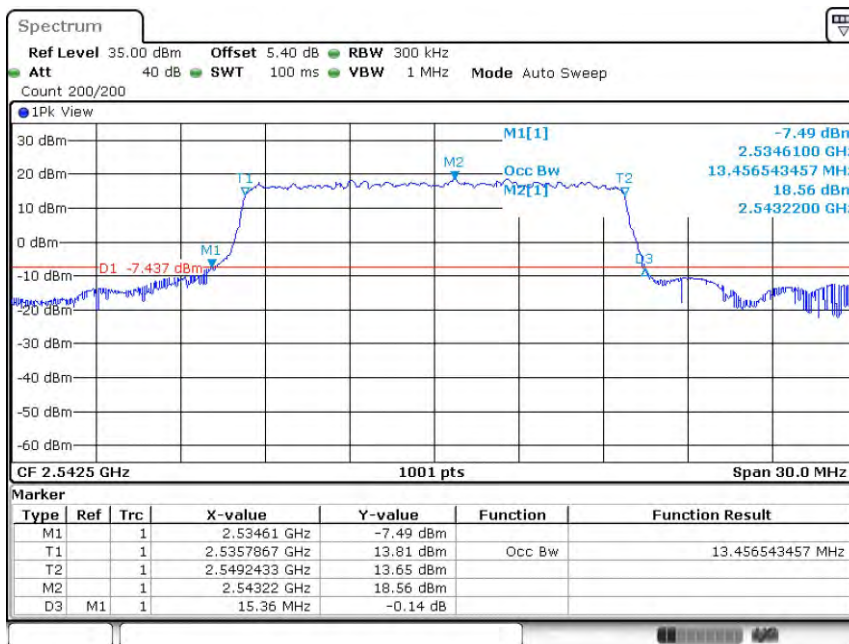
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-10MHz-64QAM-41190-50RB#0-8.931



Date: 5.NOV.2020 12:46:23

Band41-15MHz-QPSK-40115-75RB#0-13.457

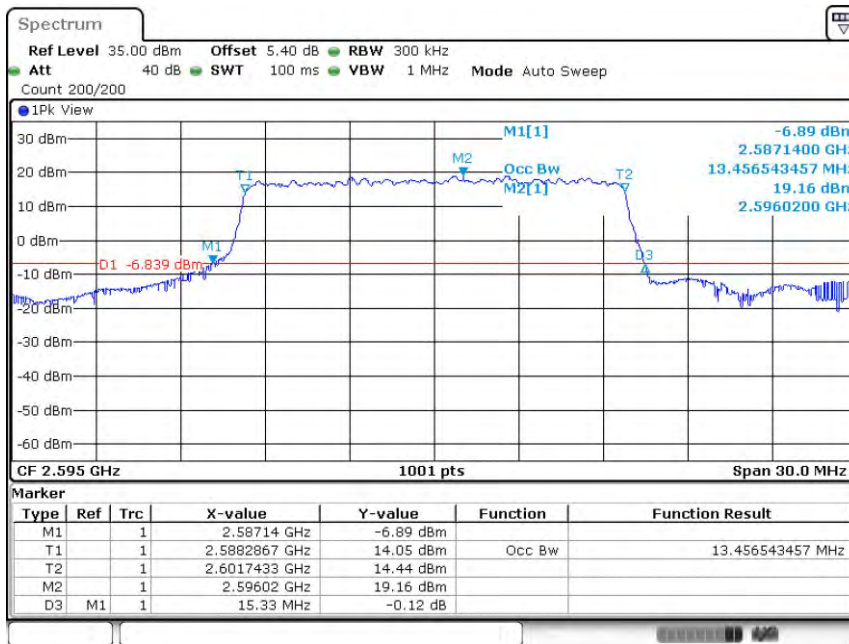


Date: 5.NOV.2020 12:24:02



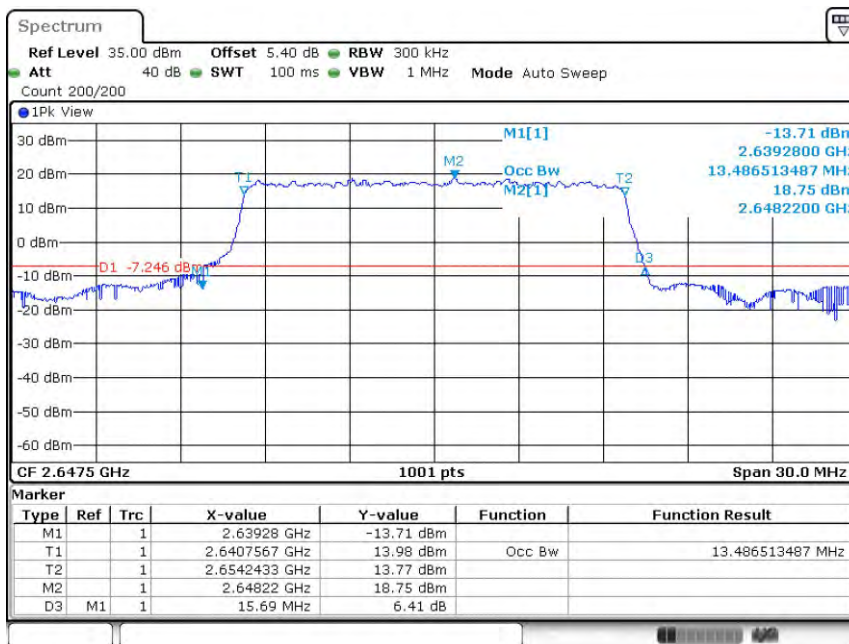
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-15MHz-QPSK-40640-75RB#0-13.457



Date: 5.NOV.2020 12:25:12

Band41-15MHz-QPSK-41165-75RB#0-13.487

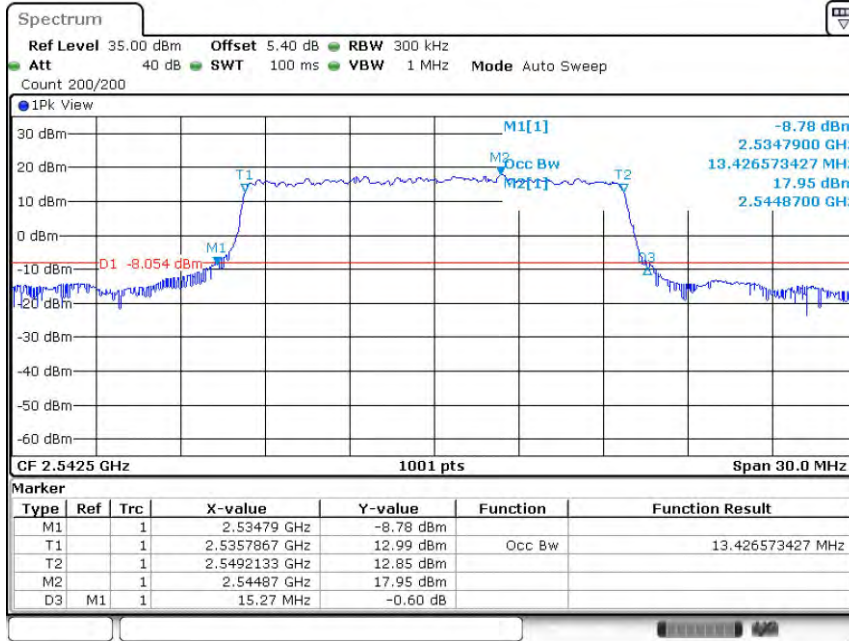


Date: 5.NOV.2020 12:26:23



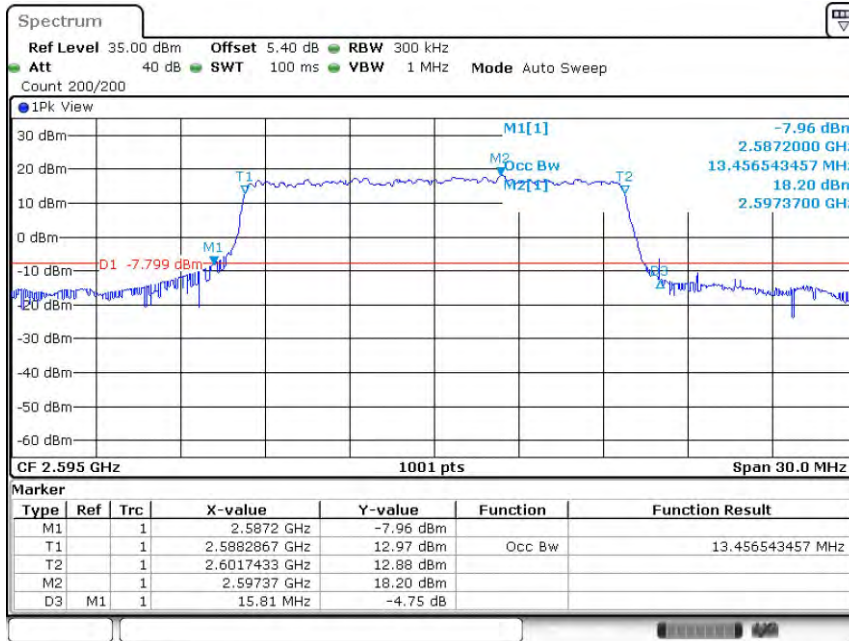
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-15MHz-16QAM-40115-75RB#0-13.427



Date: 5.NOV.2020 12:24:37

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

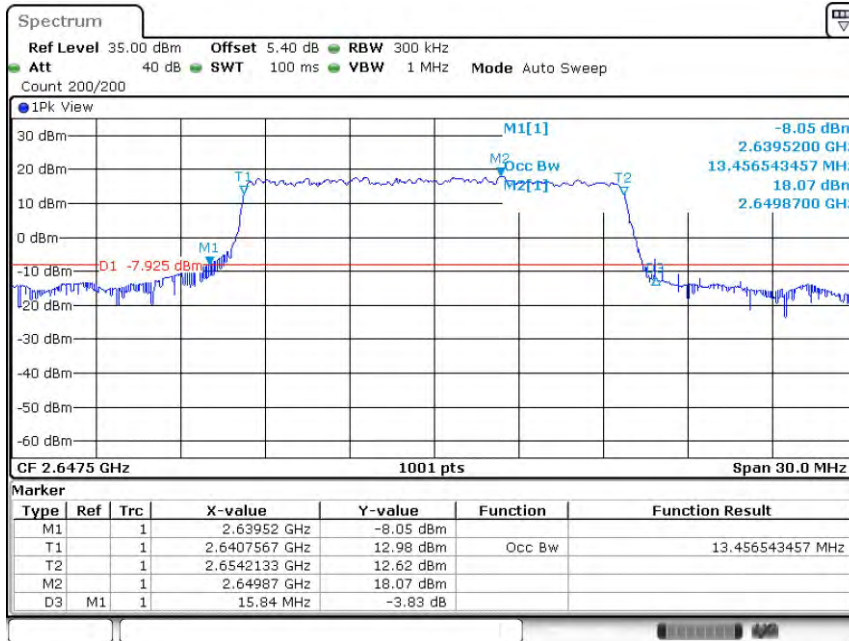


Date: 5.NOV.2020 12:25:48



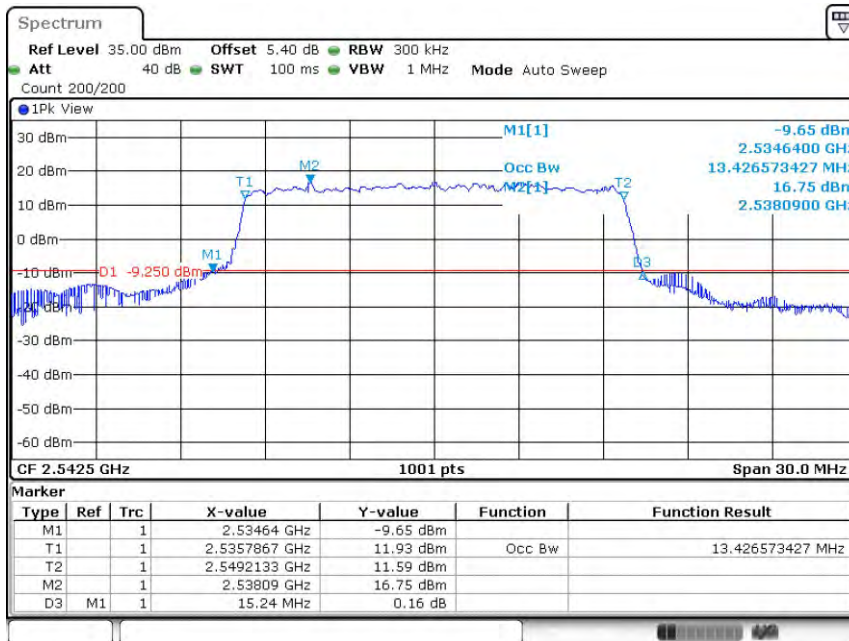
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 12:26:58

Band41-15MHz-64QAM-40115-75RB#0-13.427

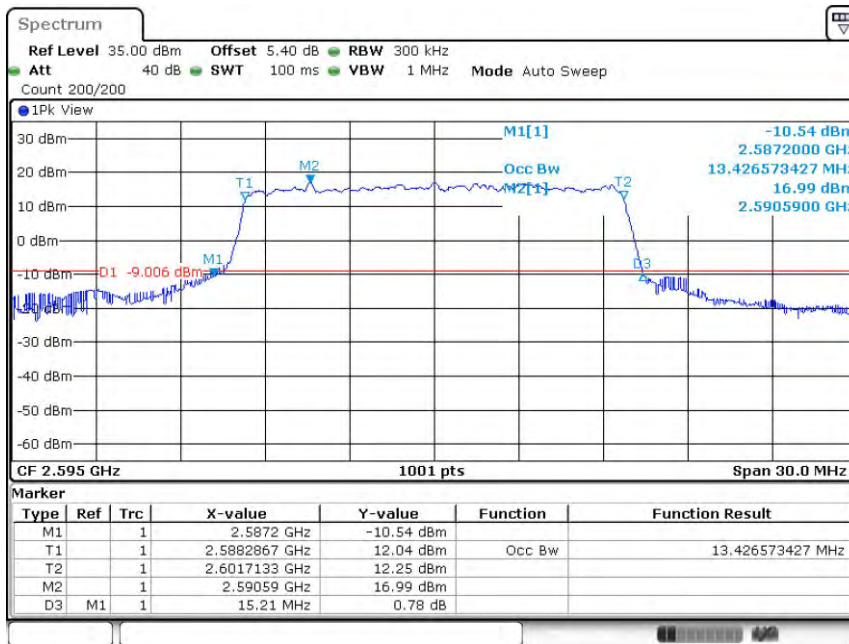


Date: 5.NOV.2020 12:47:03



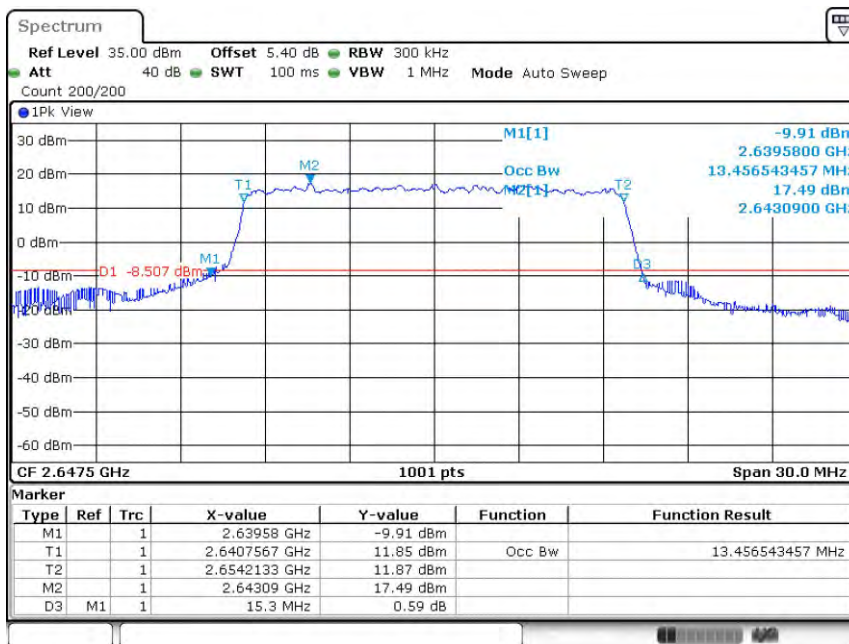
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-15MHz-64QAM-40640-75RB#0-13.427



Date: 5.NOV.2020 12:47:39

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

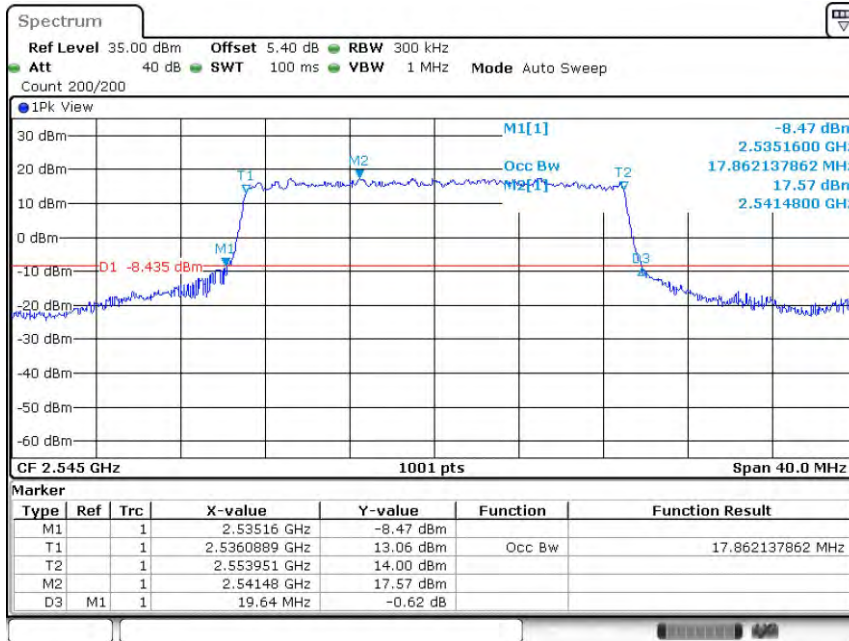


Date: 5.NOV.2020 12:48:15



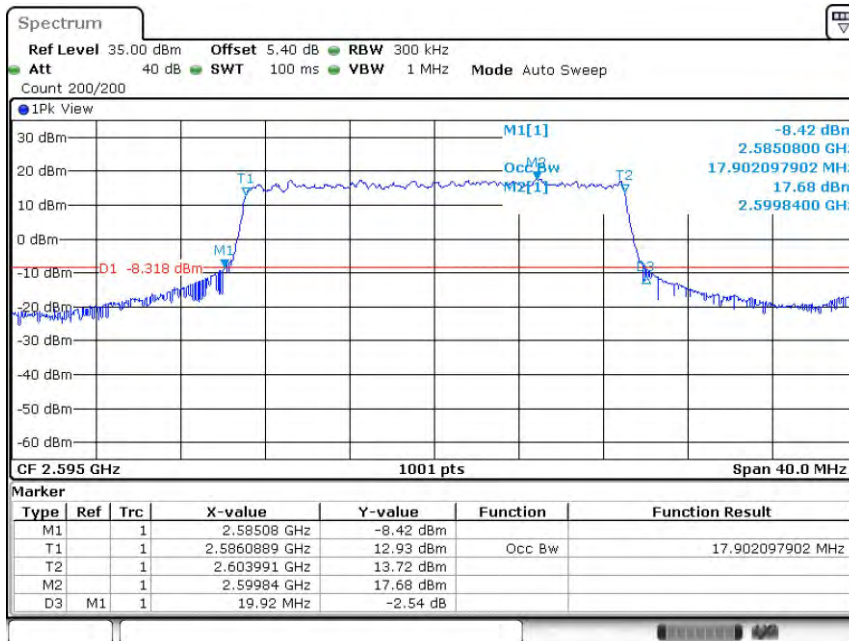
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-20MHz-QPSK-40140-100RB#0-17.862



Date: 5.NOV.2020 12:27:39

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

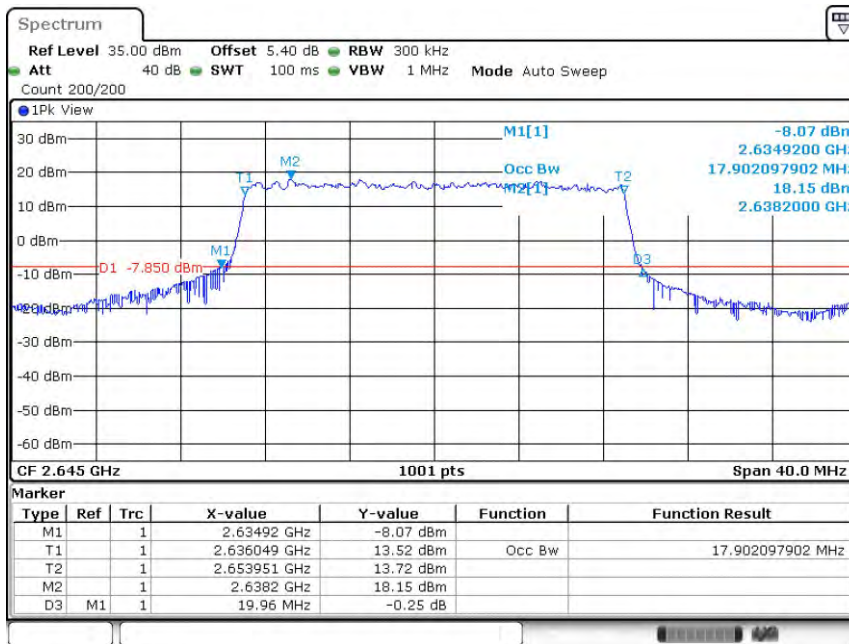


Date: 5.NOV.2020 12:28:49



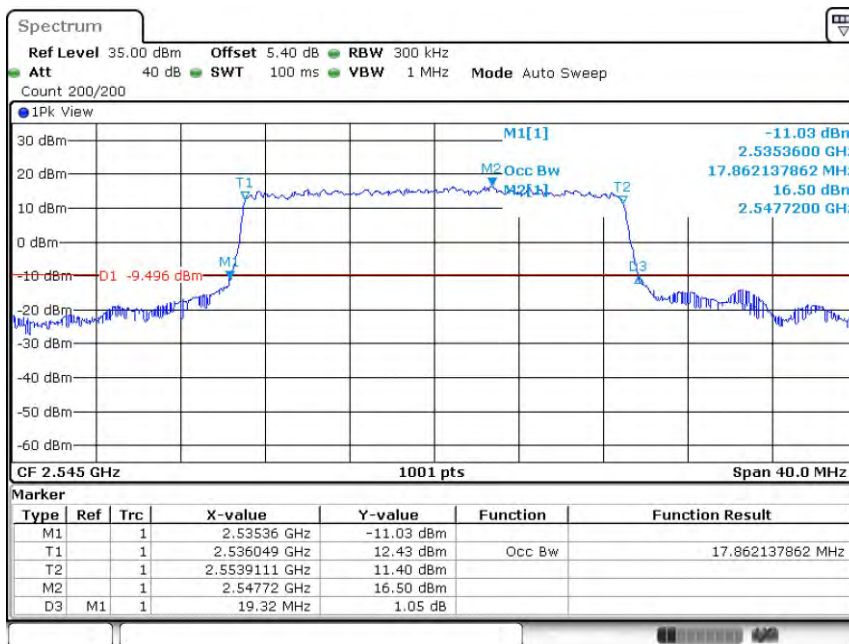
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band41-20MHz-QPSK-41140-100RB#0-17.902



Date: 5.NOV.2020 12:30:00

Band41-20MHz-16QAM-40140-100RB#0-17.862

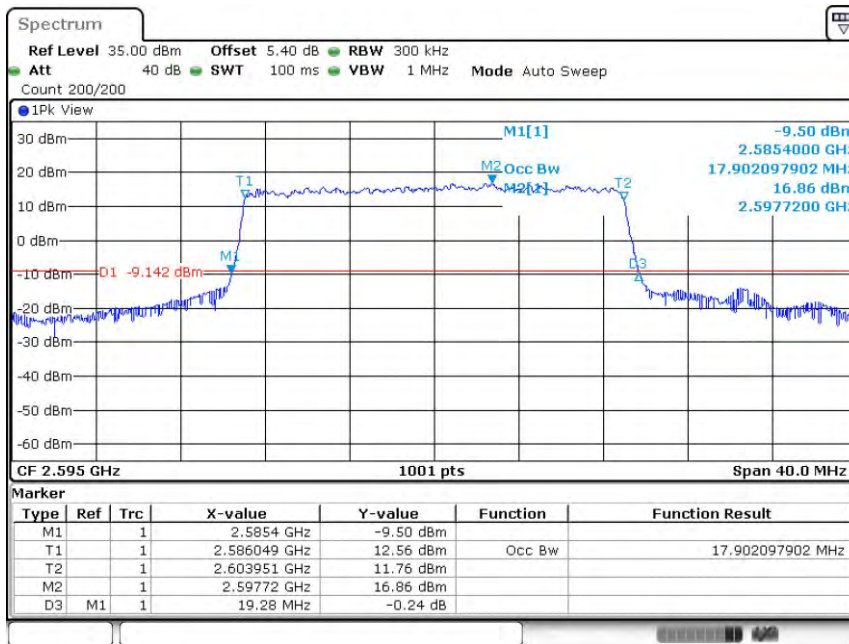


Date: 5.NOV.2020 12:28:14



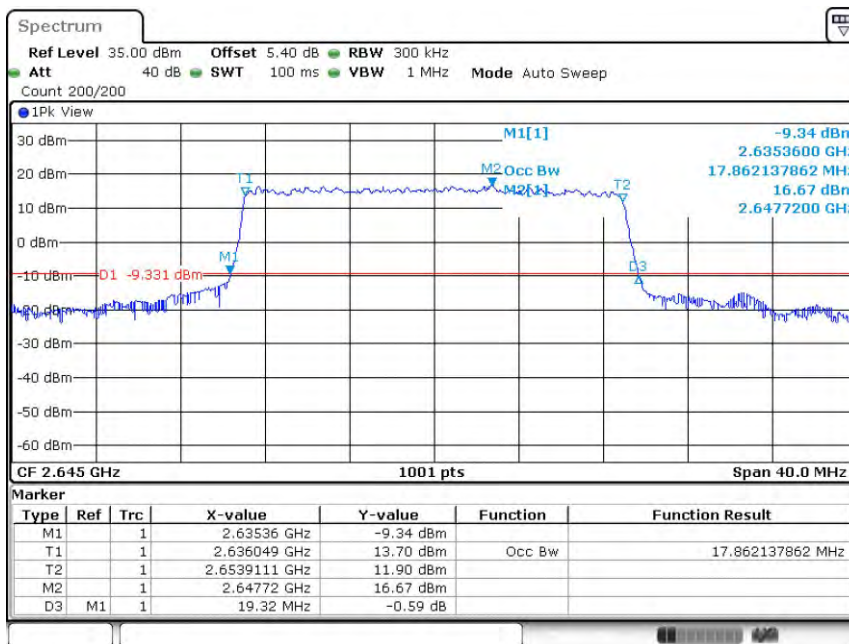
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 12:29:25

Band41-20MHz-16QAM-41140-100RB#0-17.862



Date: 5.NOV.2020 12:30:35

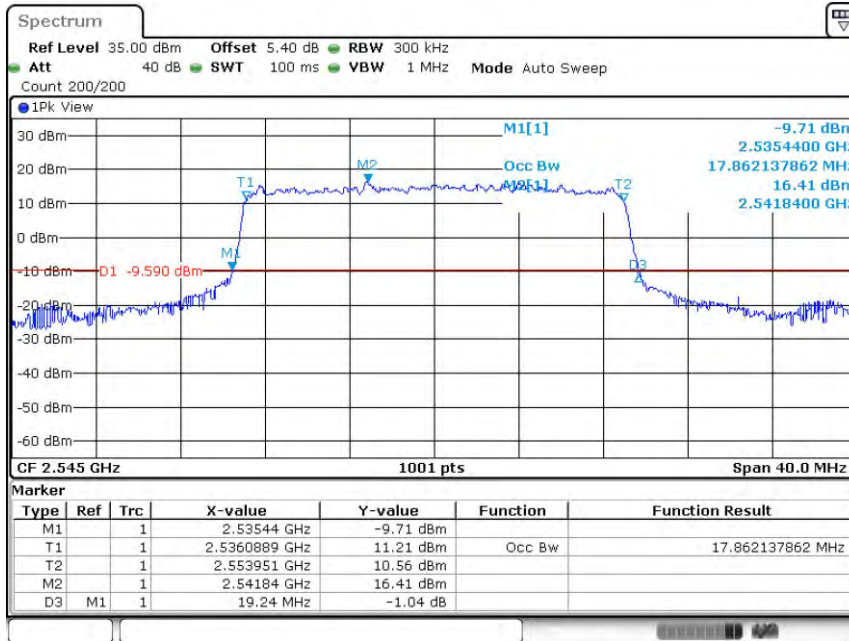


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

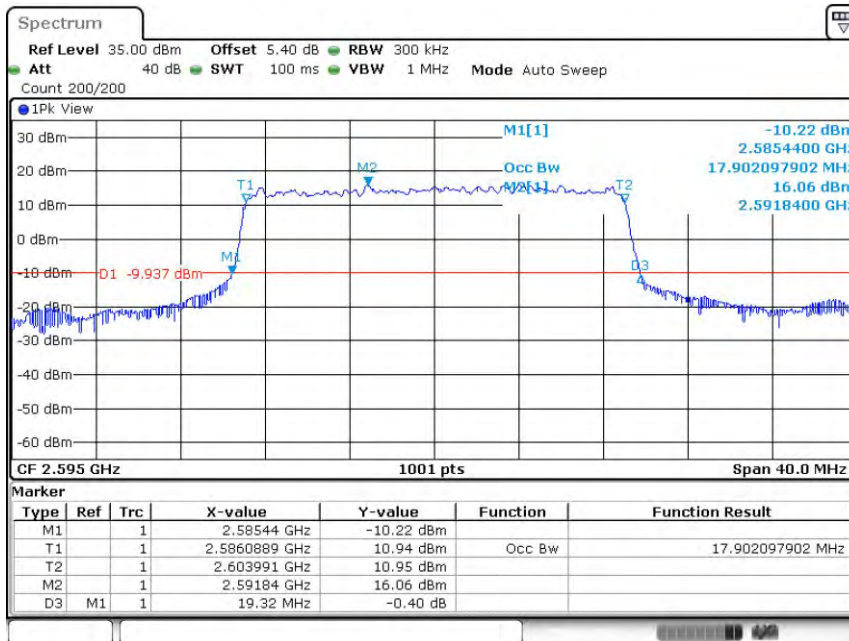
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 5.NOV.2020 12:48:55

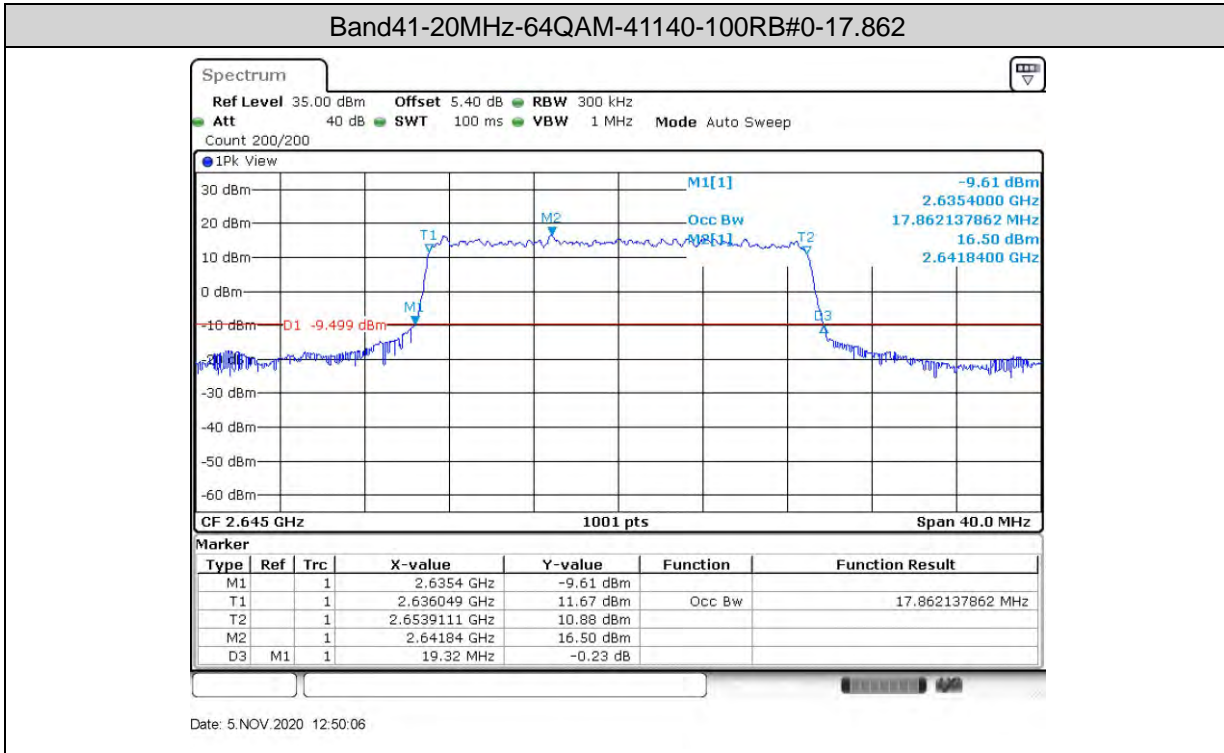
Band41-20MHz-64QAM-40640-100RB#0-17.902



Date: 5.NOV.2020 12:49:31



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



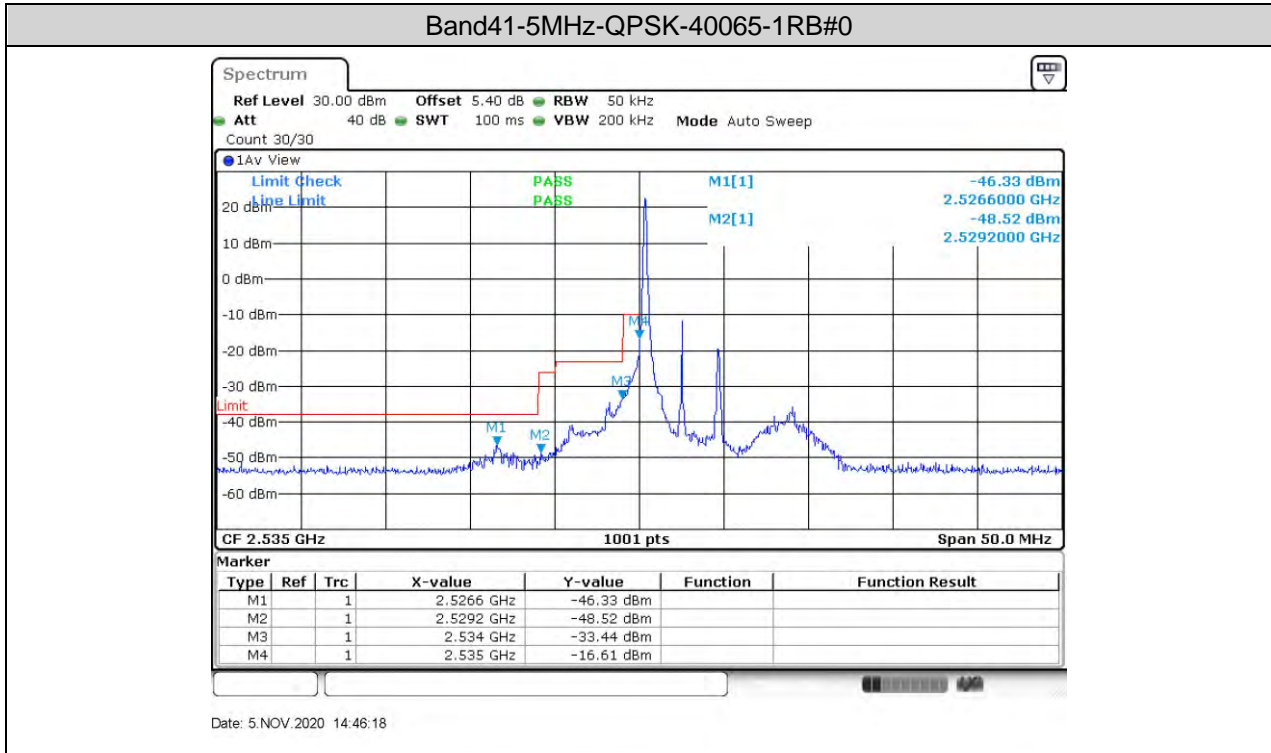
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



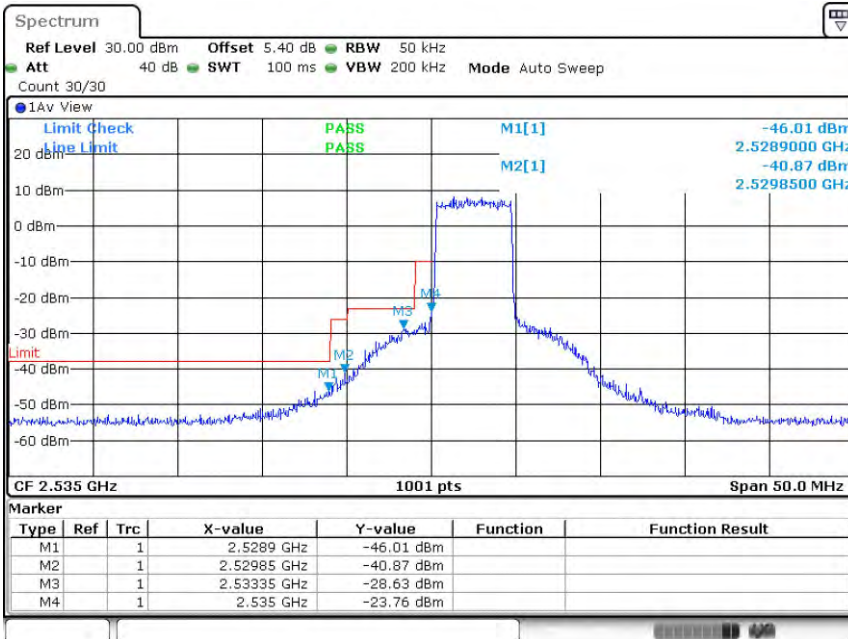
5 Band Edge Compliance

5.1 Test Plots



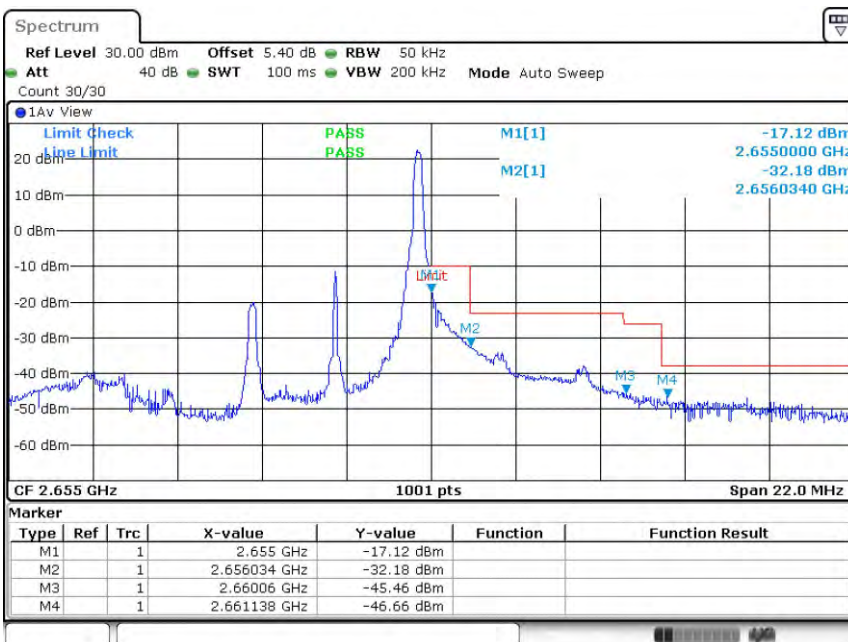
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 14:47:11

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

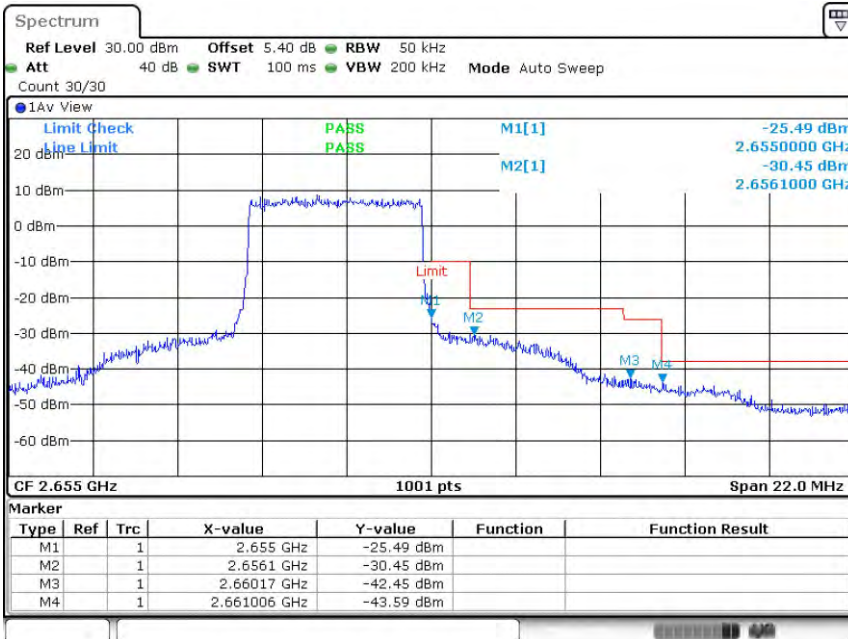


Date: 5.NOV.2020 14:48:33



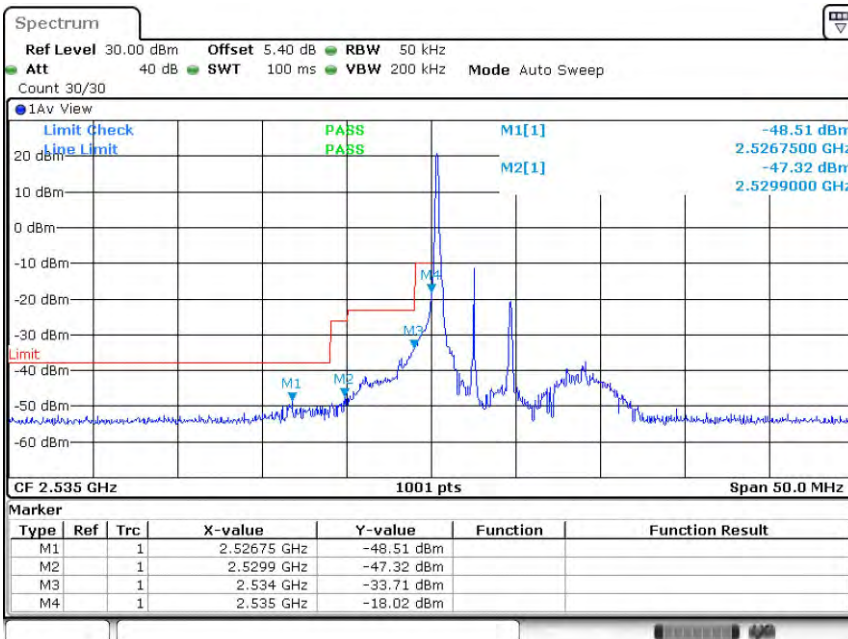
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 14:49:38

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



Date: 5.NOV.2020 14:46:53

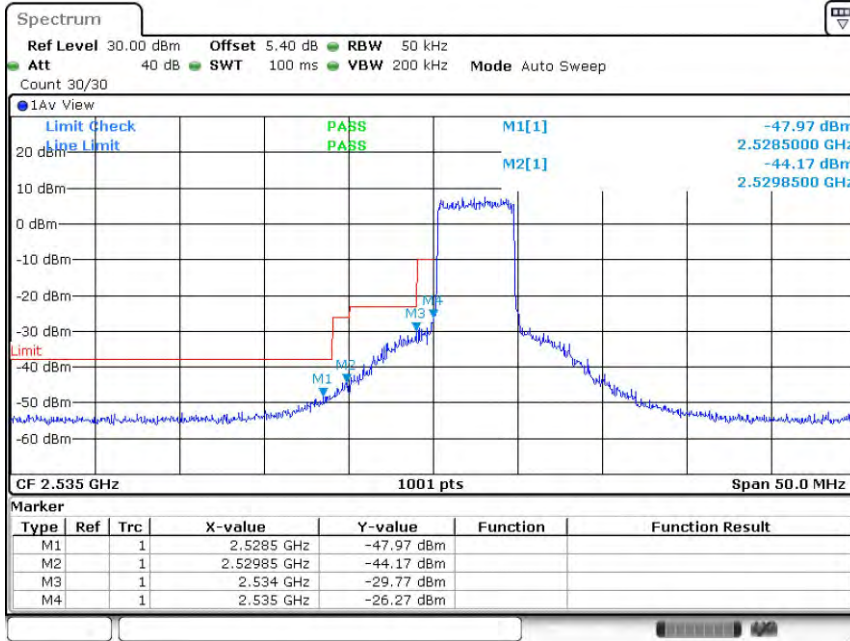


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

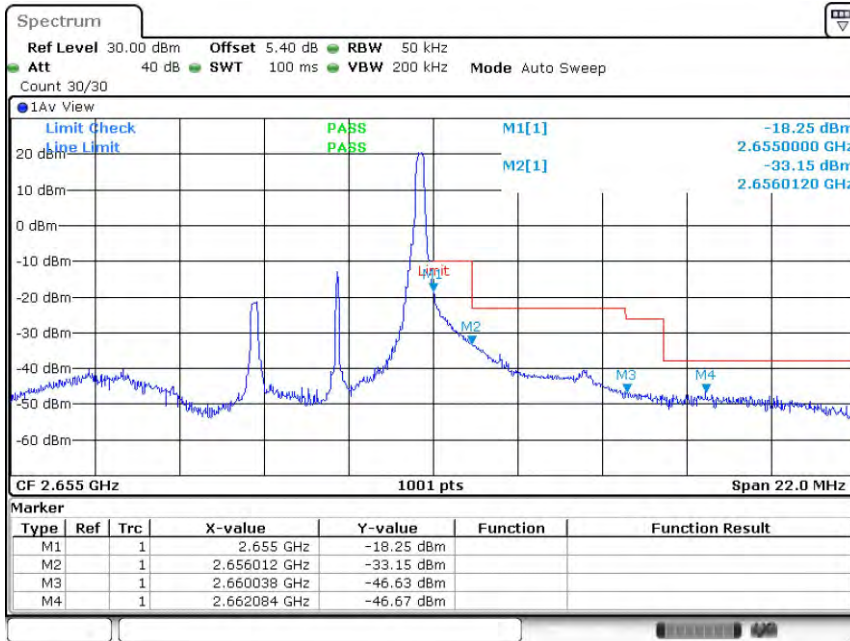
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 5.NOV.2020 14:47:29

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



Date: 5.NOV.2020 14:49:20

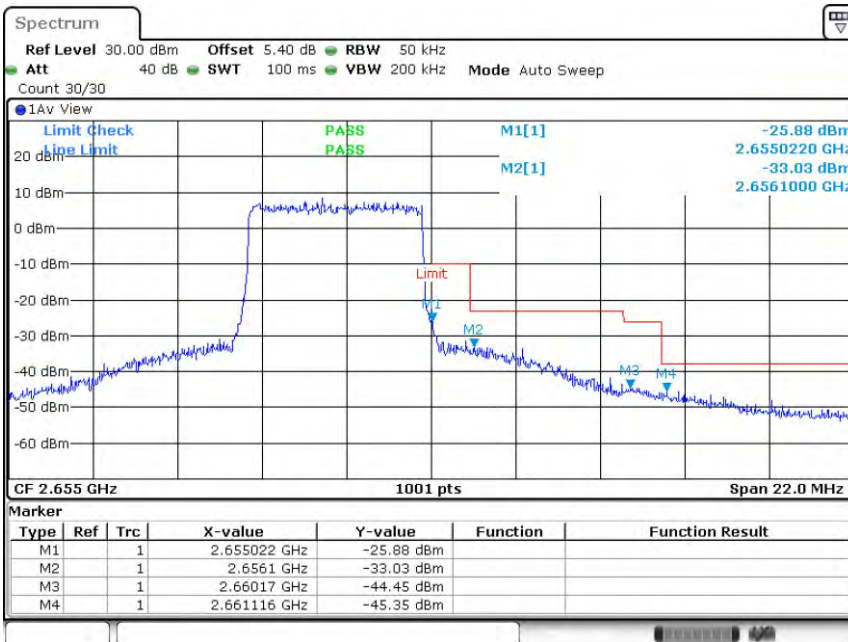


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

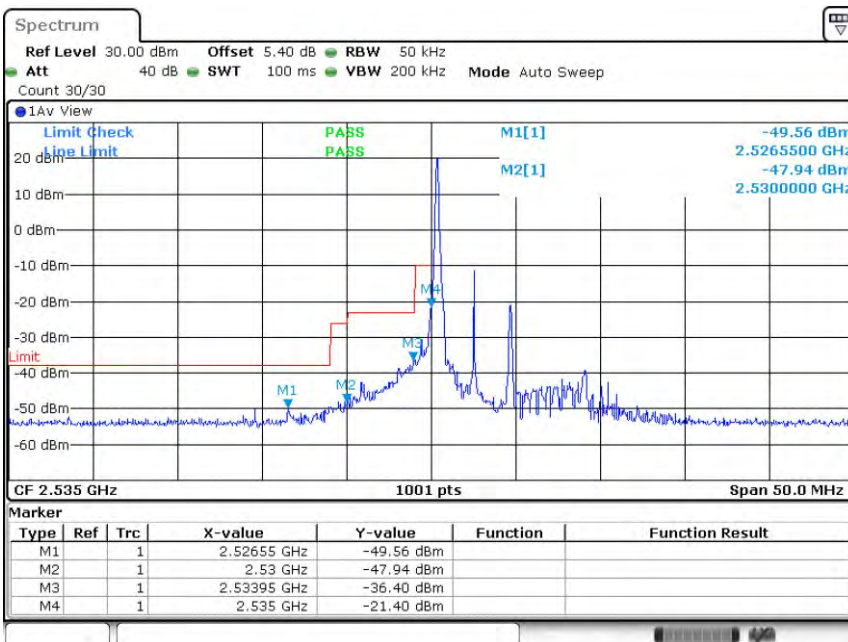
SGS-CSTC Standards Technical Services Co., Ltd. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
Shenzhen Branch, Inspection & Testing Services Laboratory 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f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

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



Date: 5.NOV.2020 14:49:56

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

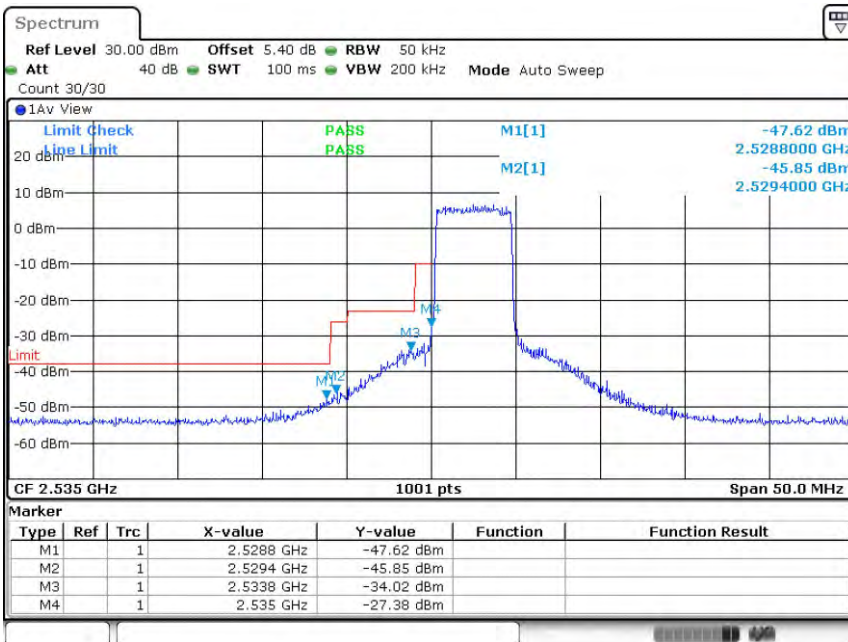


Date: 5.NOV.2020 14:54:20



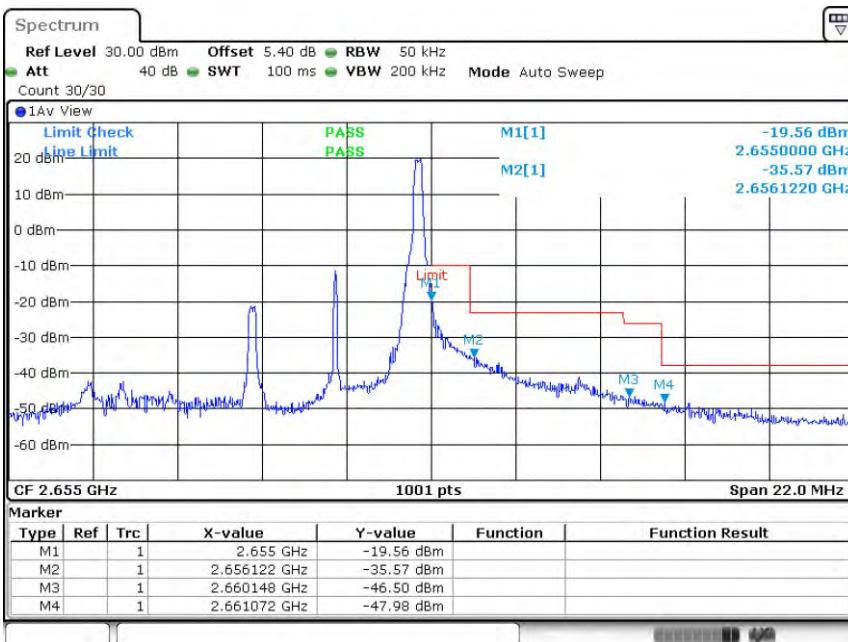
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 14:54:57

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

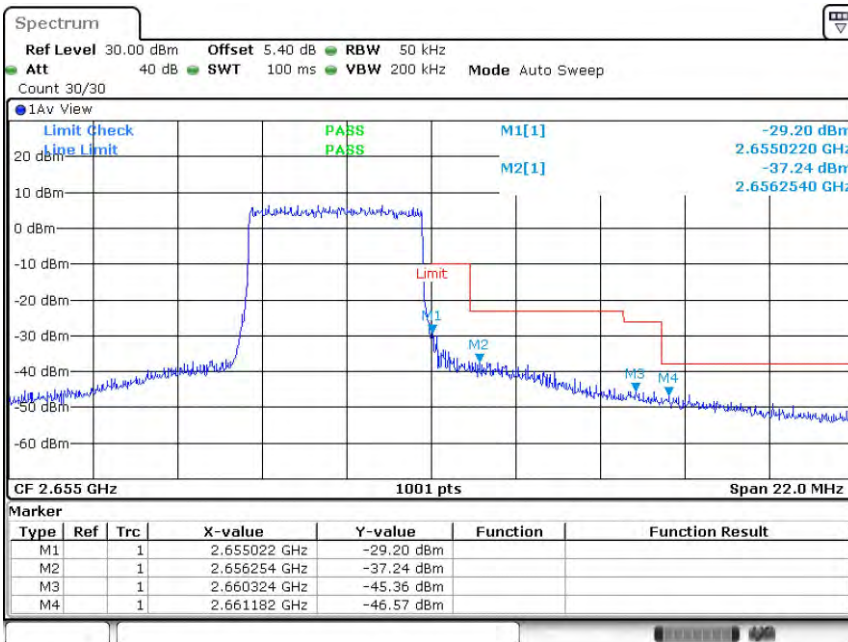


Date: 5.NOV.2020 14:55:44



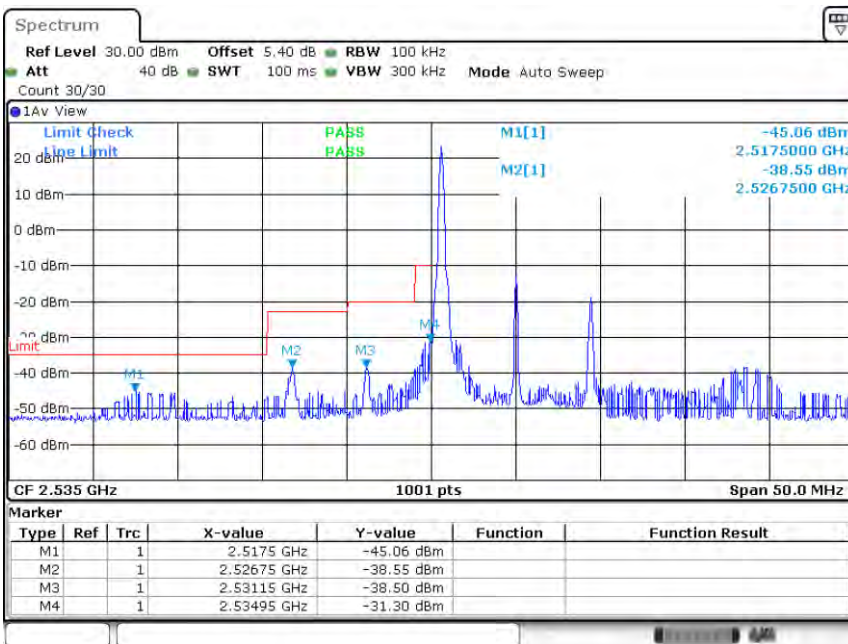
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 5.NOV.2020 14:56:02

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



Date: 22.OCT.2020 01:36:44

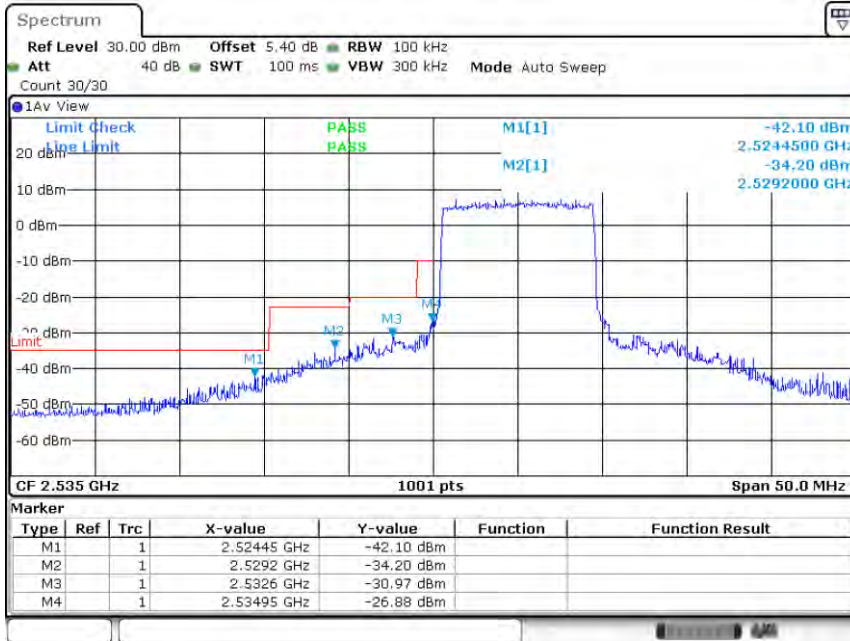


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

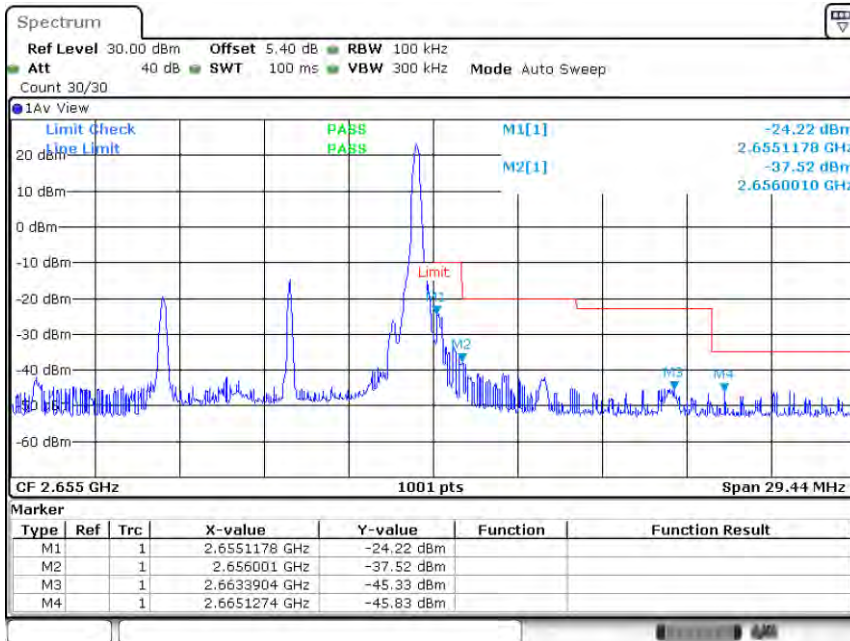
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 01:37:22

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

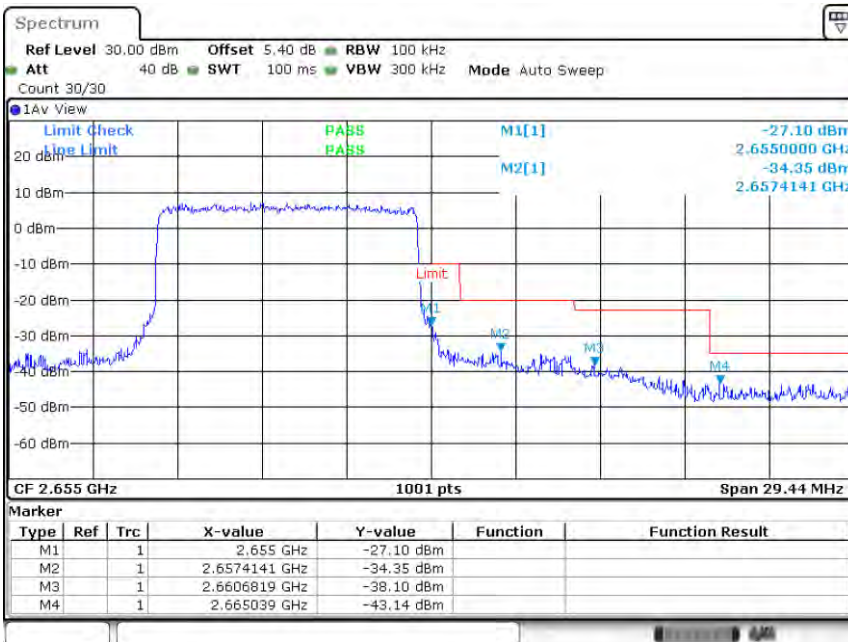


Date: 22.OCT.2020 01:38:08



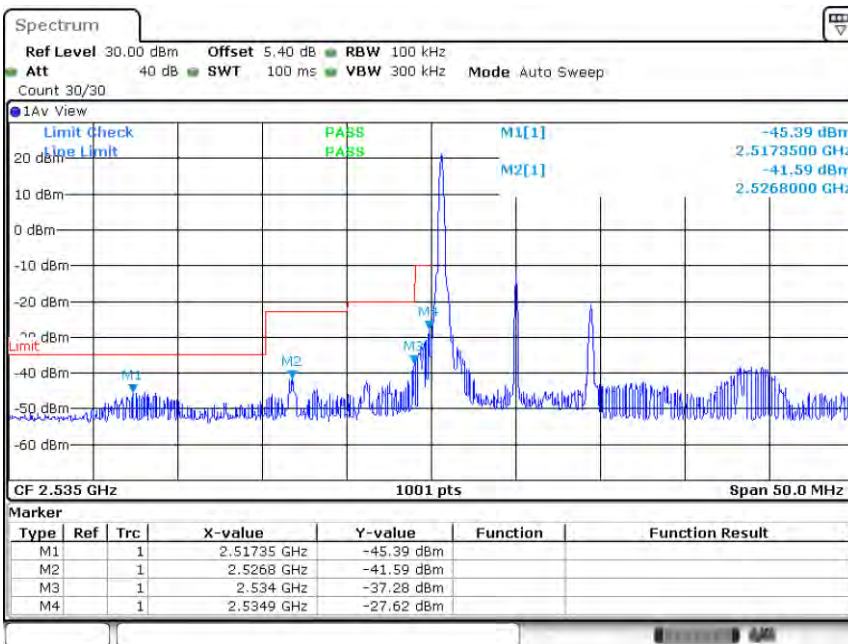
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:38:46

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



Date: 22.OCT.2020 01:37:03

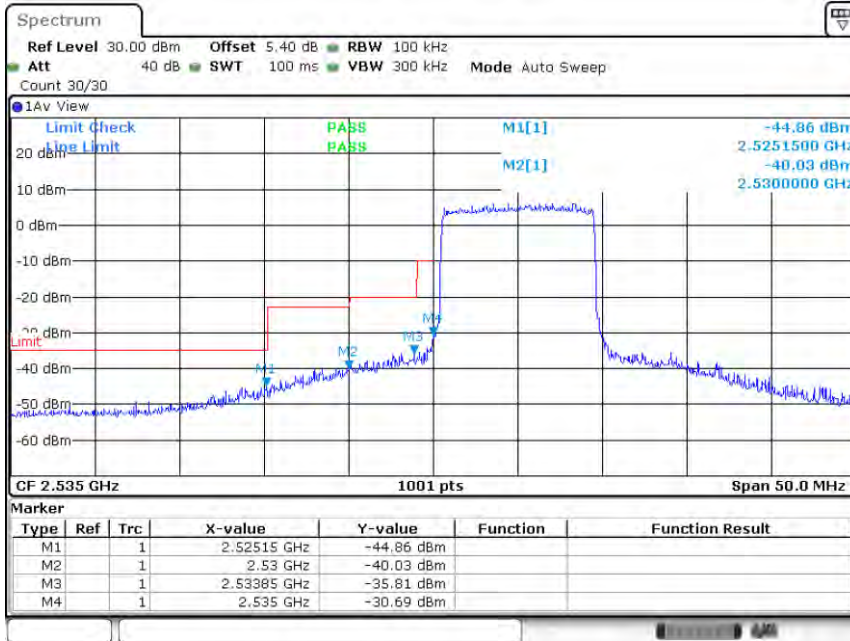


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

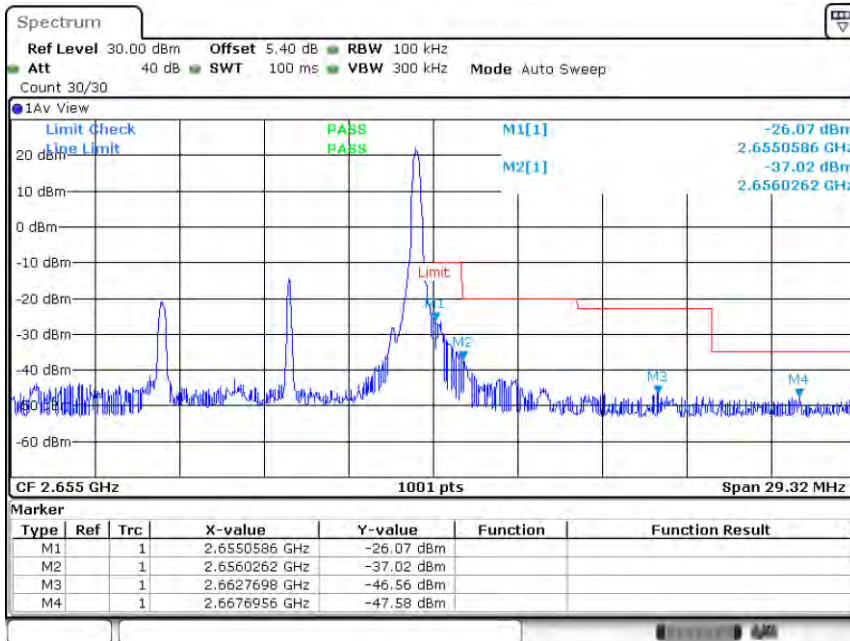
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 01:37:41

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



Date: 22.OCT.2020 01:38:27

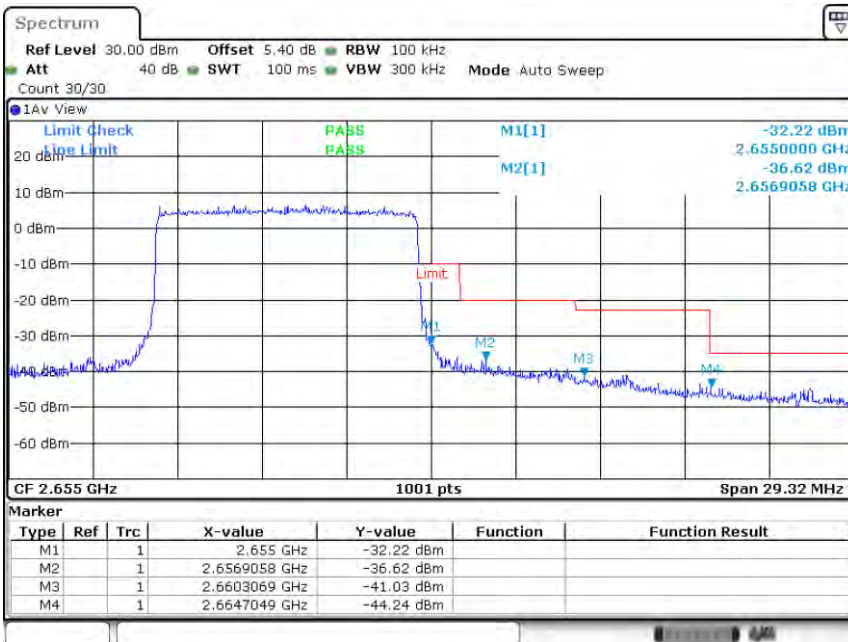


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

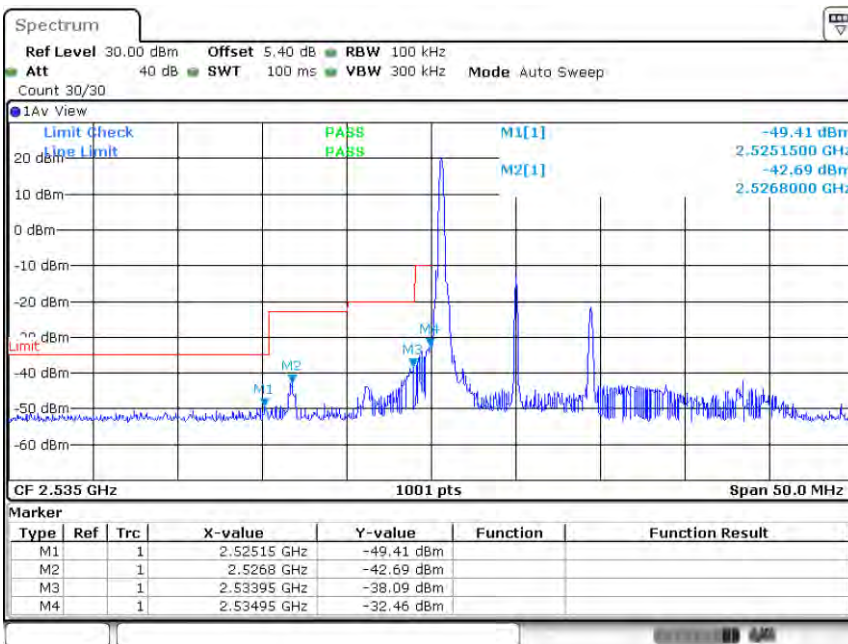
SGS-CSTC Standards Technical Services Co., Ltd. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
Shenzhen Branch, Inspection & Testing Services Laboratory 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f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

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



Date: 22.OCT.2020 01:39:05

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



Date: 22.OCT.2020 12:15:11

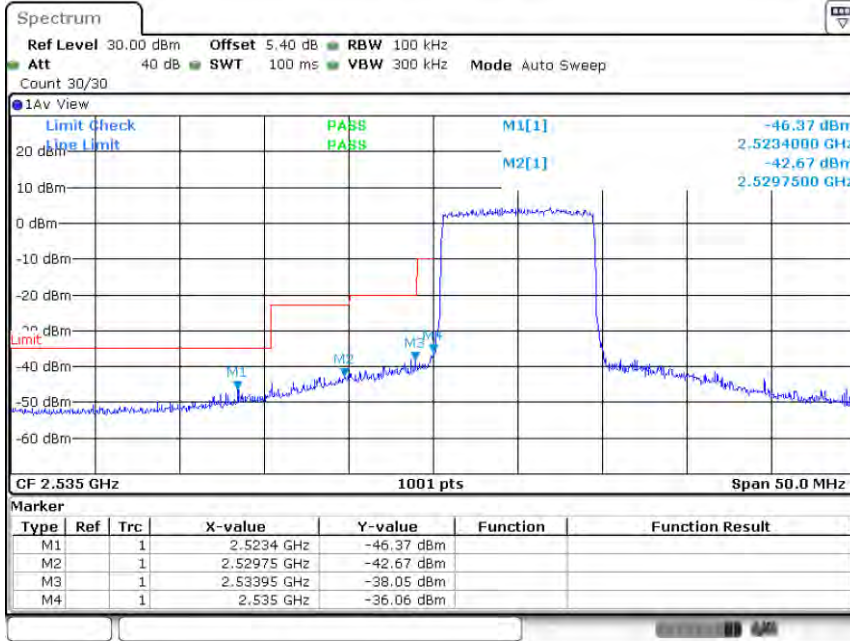


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

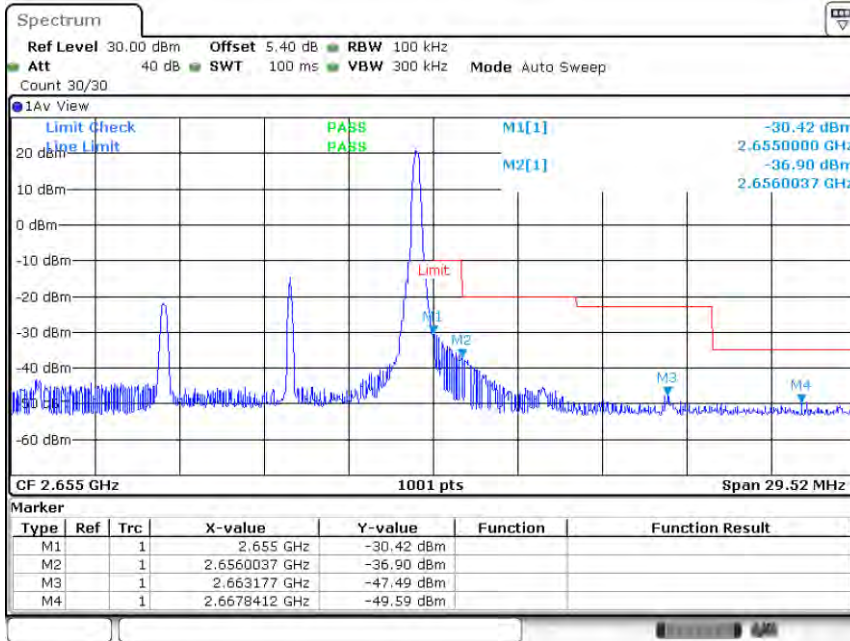
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 12:15:31

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



Date: 22.OCT.2020 12:15:59

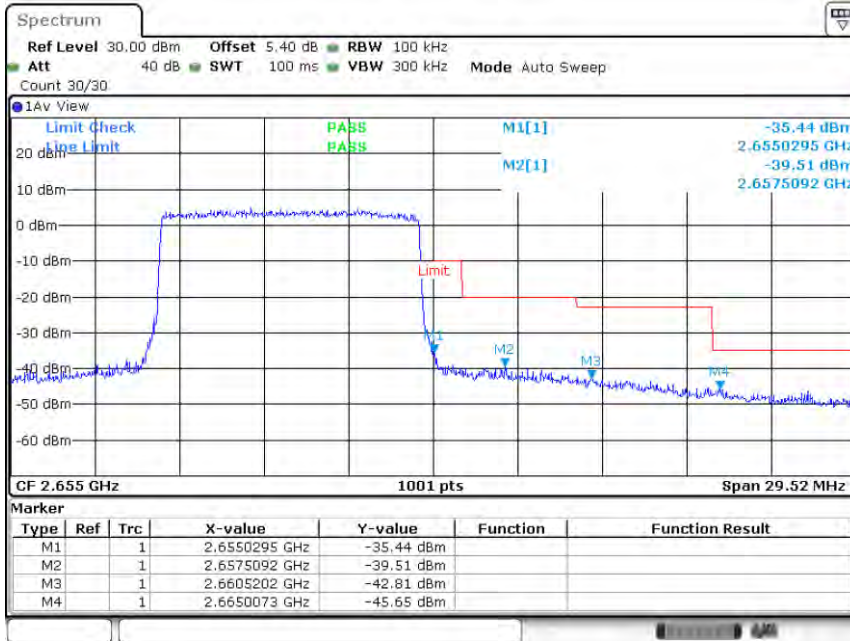


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

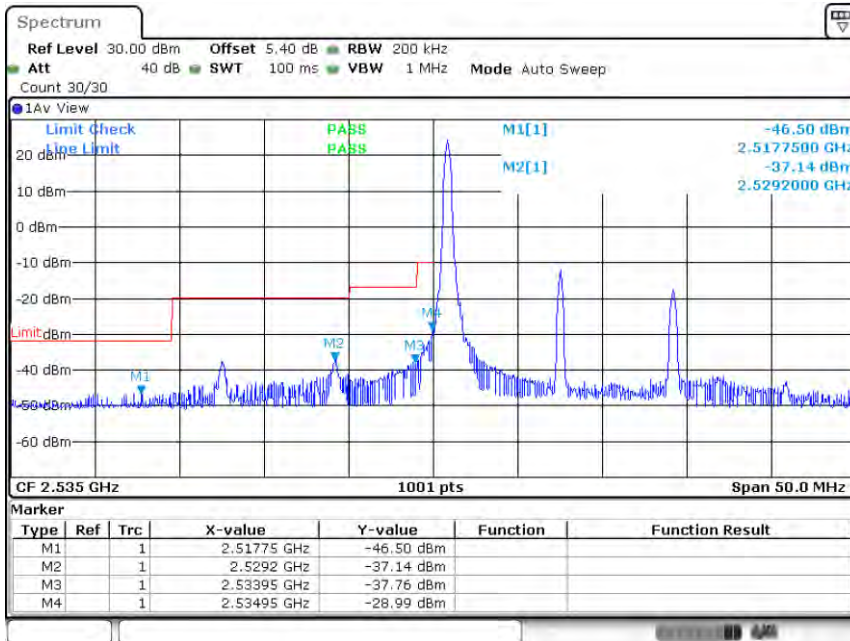
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 12:16:17

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

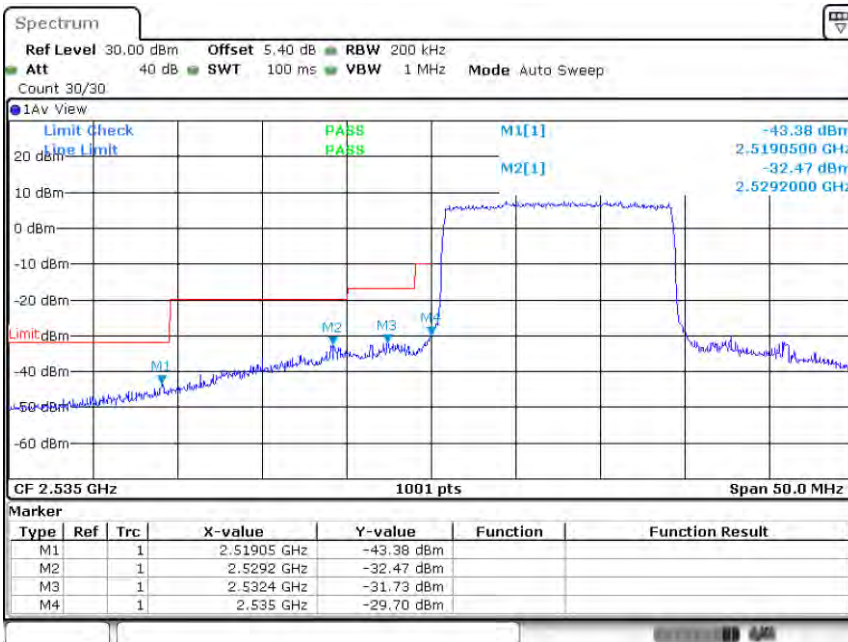


Date: 22.OCT.2020 01:39:33



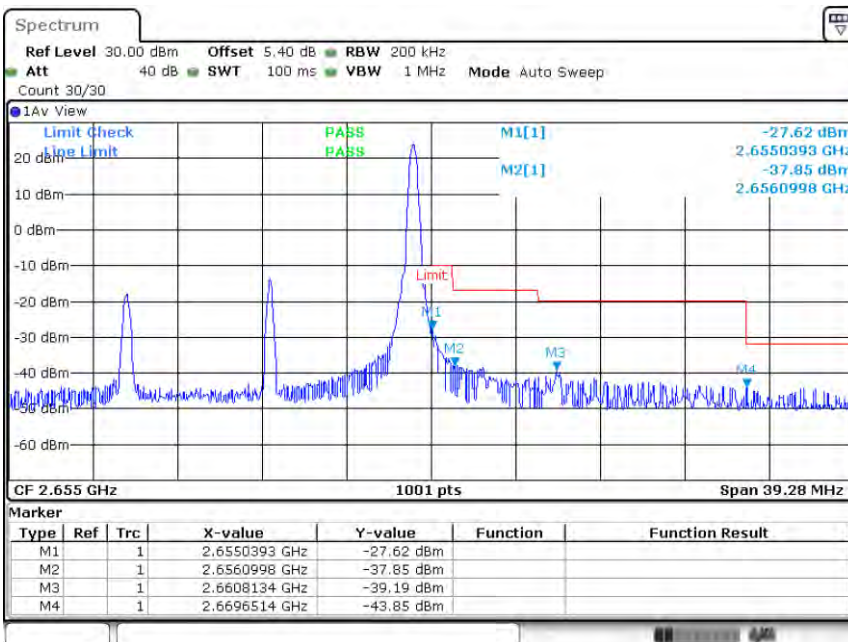
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:40:11

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



Date: 22.OCT.2020 01:40:57

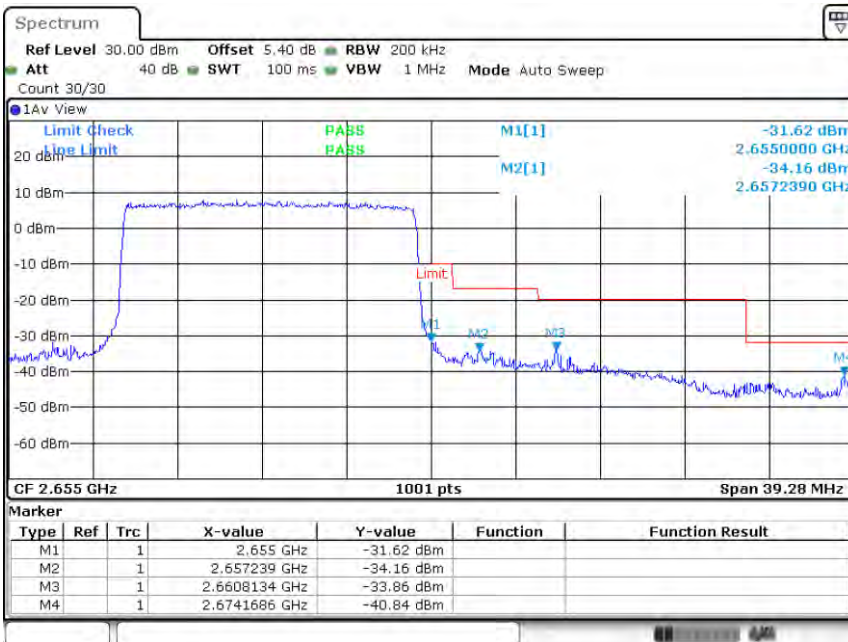


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

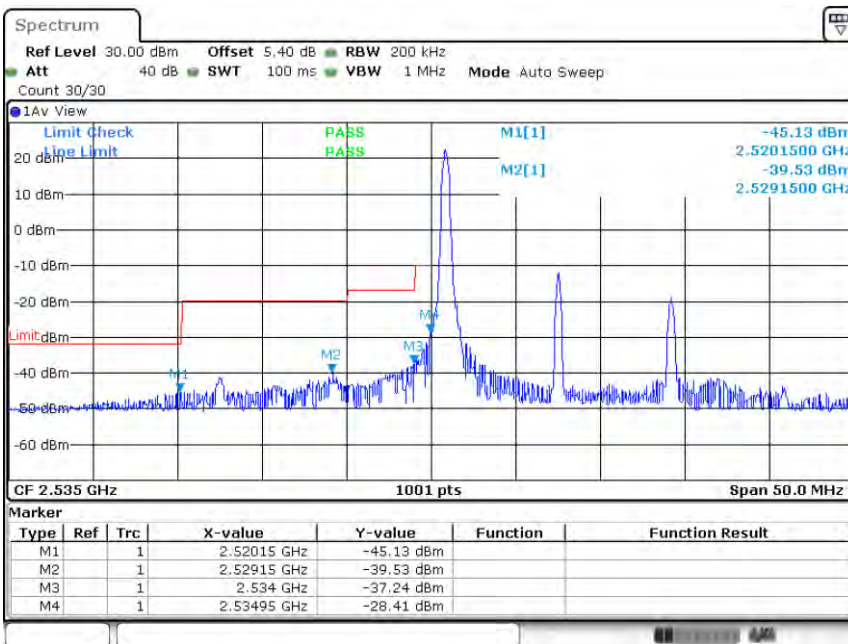
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 01:41:34

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



Date: 22.OCT.2020 01:39:52

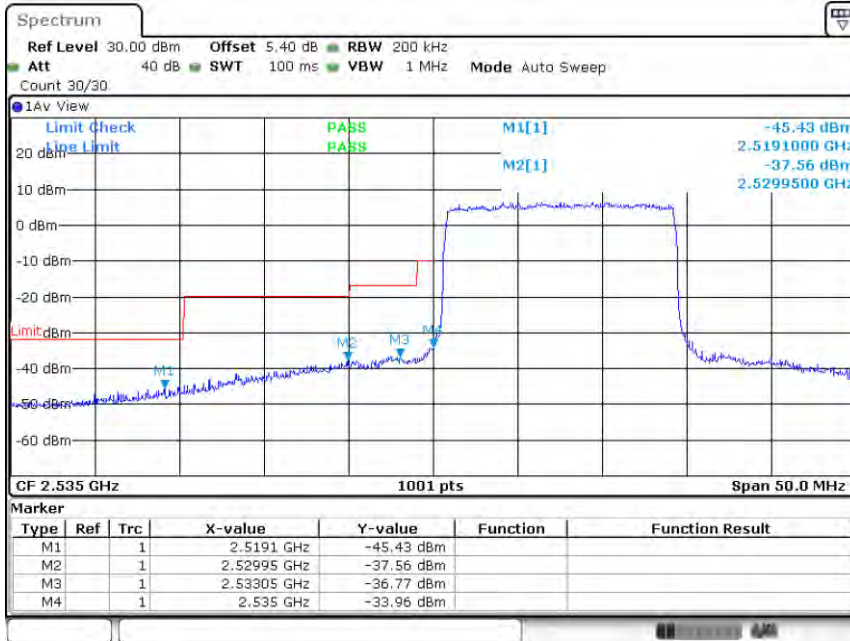


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

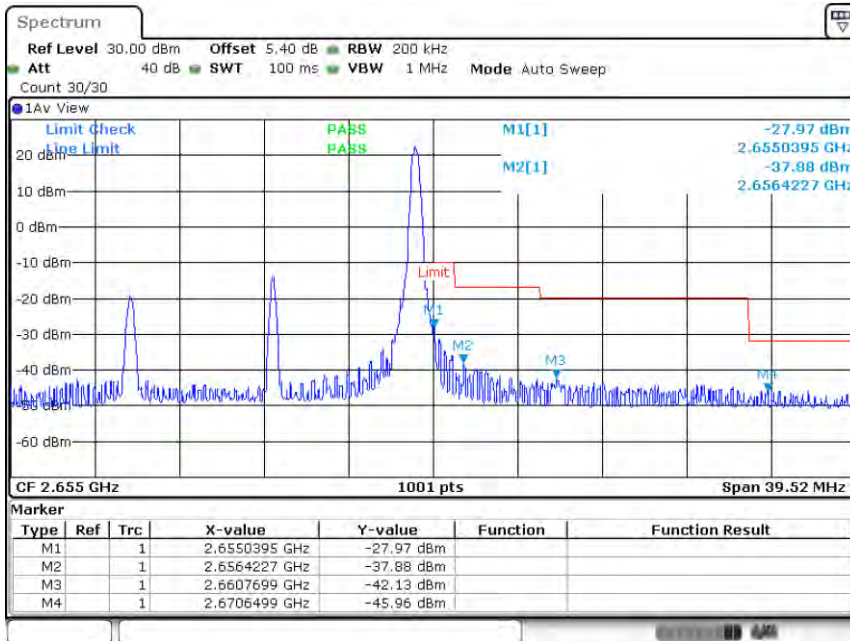
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 01:40:30

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

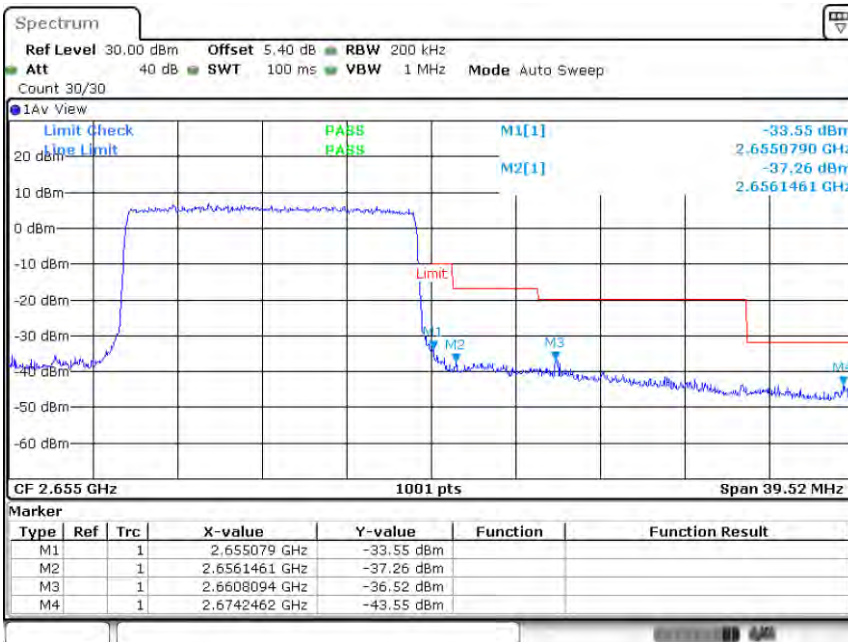


Date: 22.OCT.2020 01:41:15



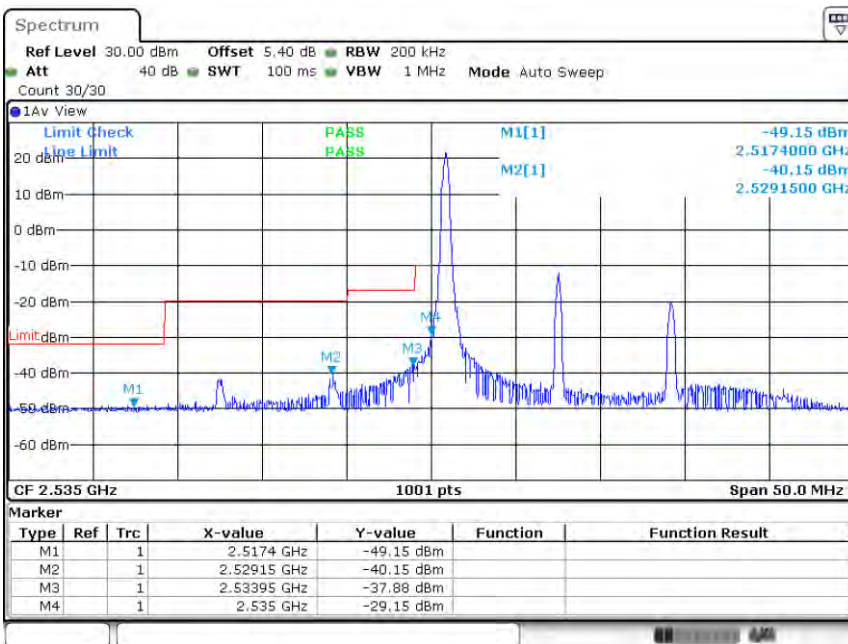
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:41:53

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

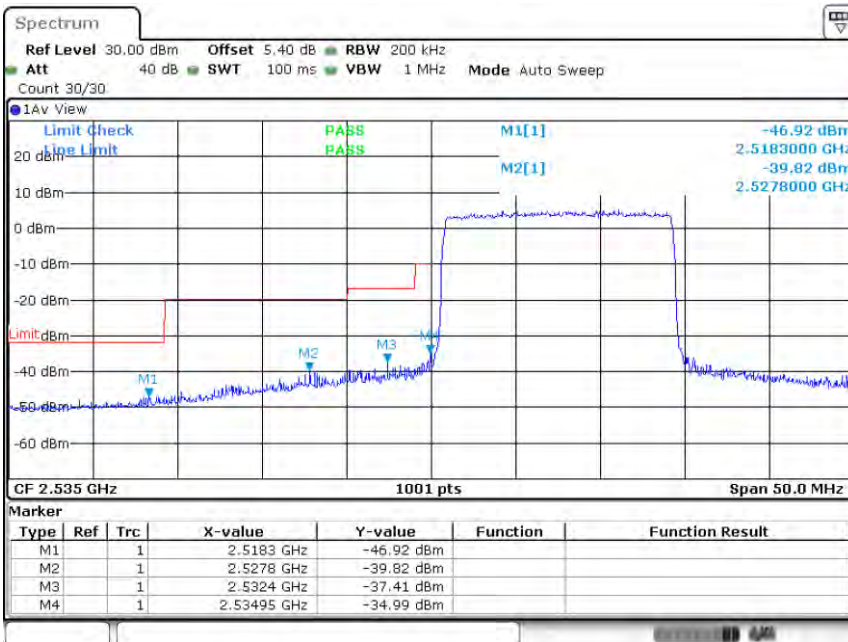


Date: 22.OCT.2020 12:16:47



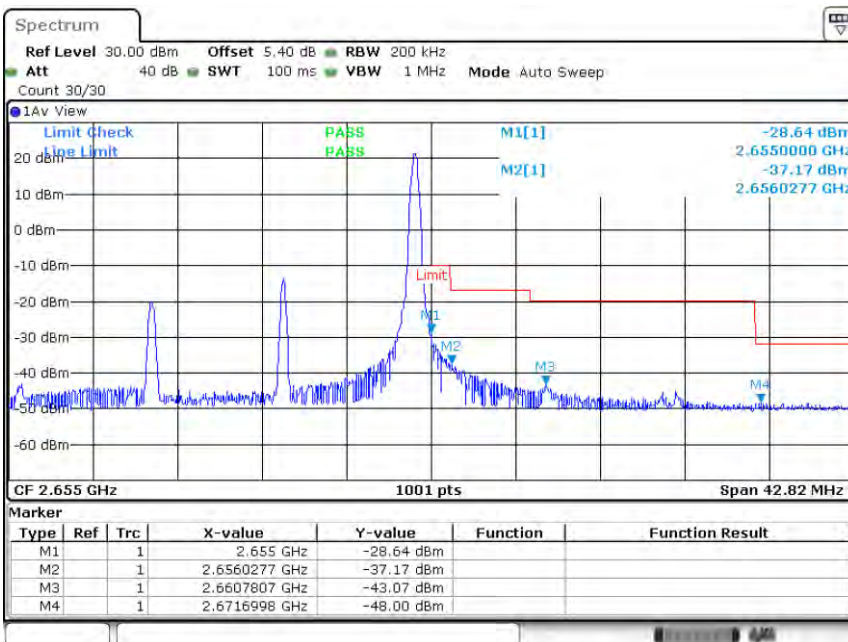
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 12:17:05

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



Date: 22.OCT.2020 12:17:33

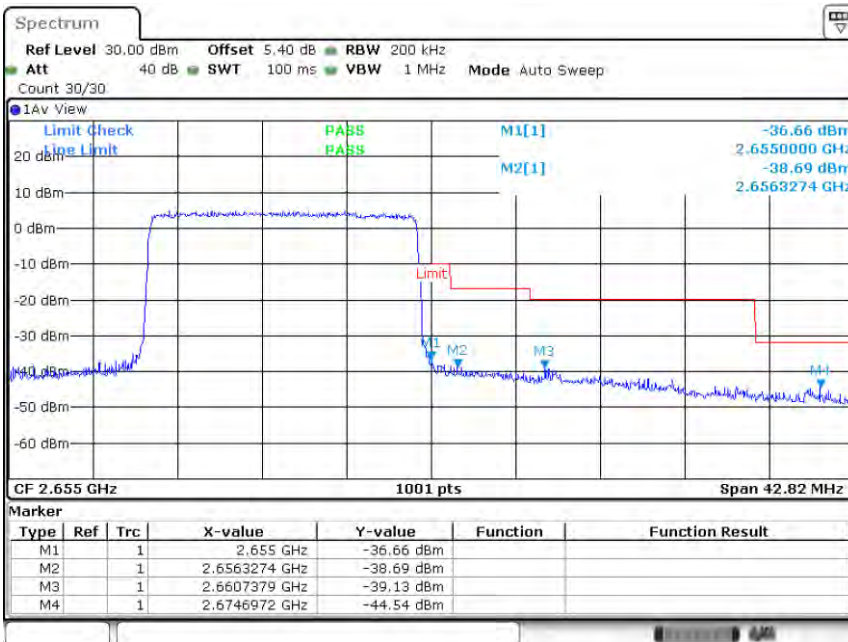


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

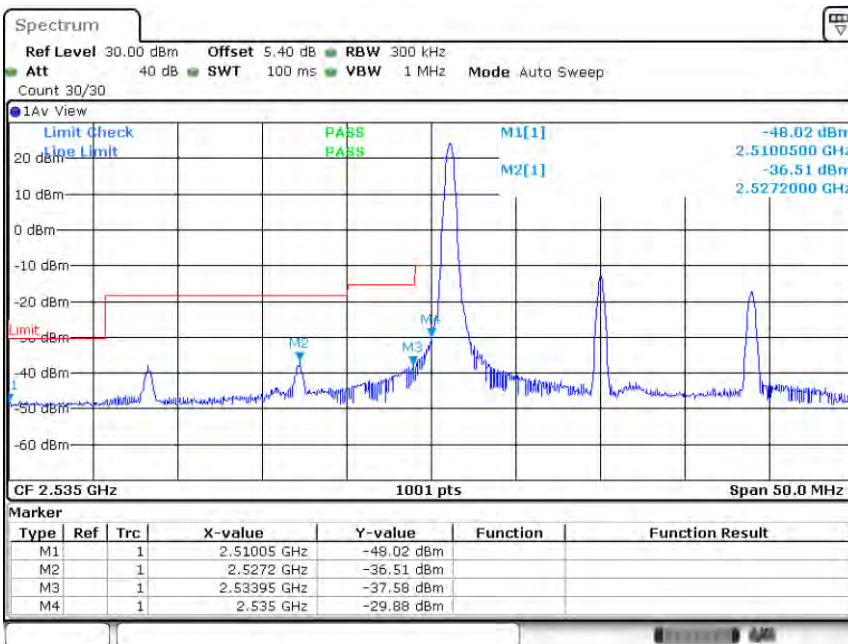
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 12:17:52

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

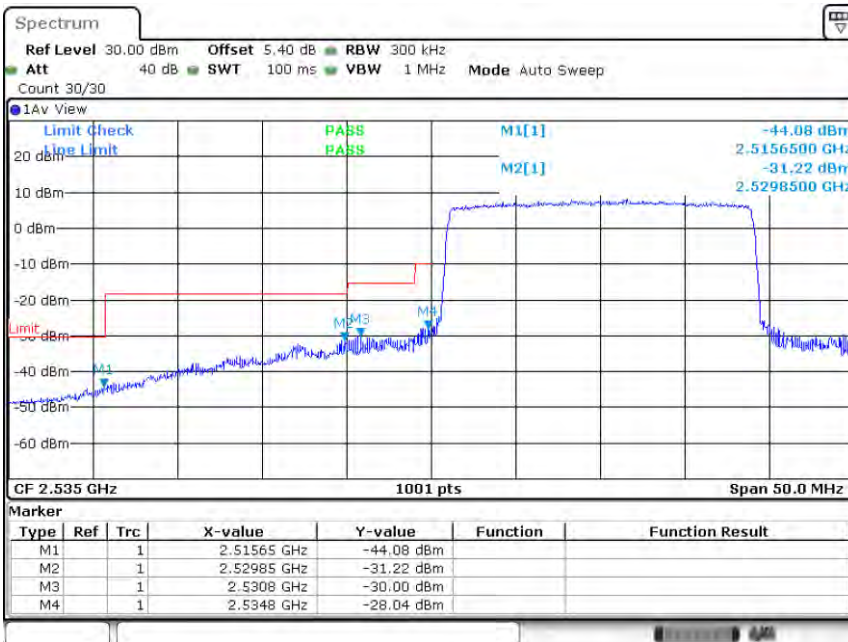


Date: 22.OCT.2020 01:42:21



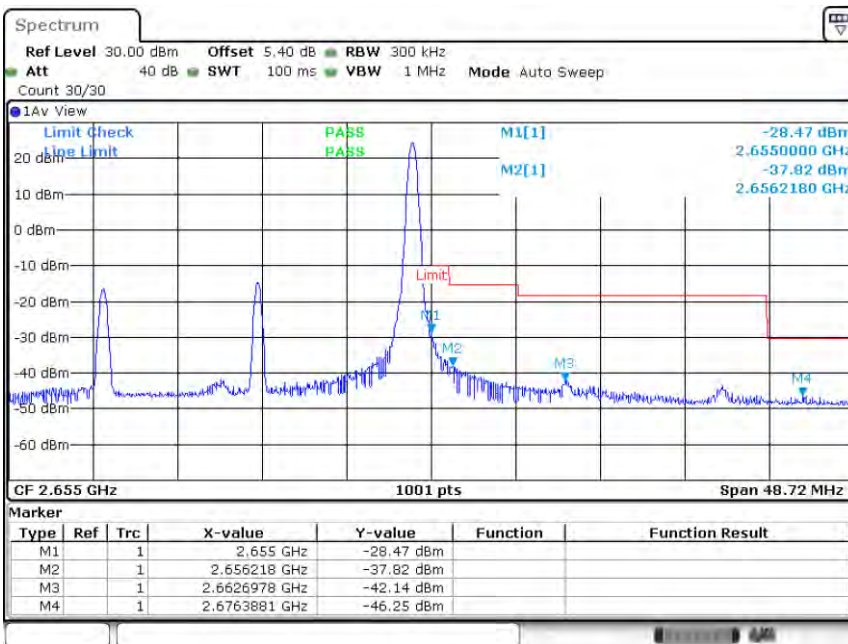
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:42:59

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

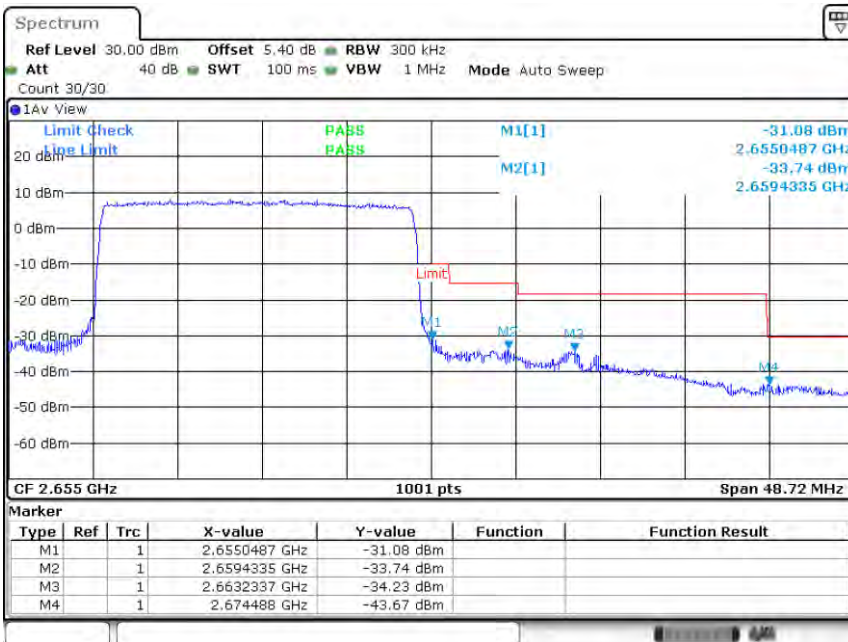


Date: 22.OCT.2020 01:43:44



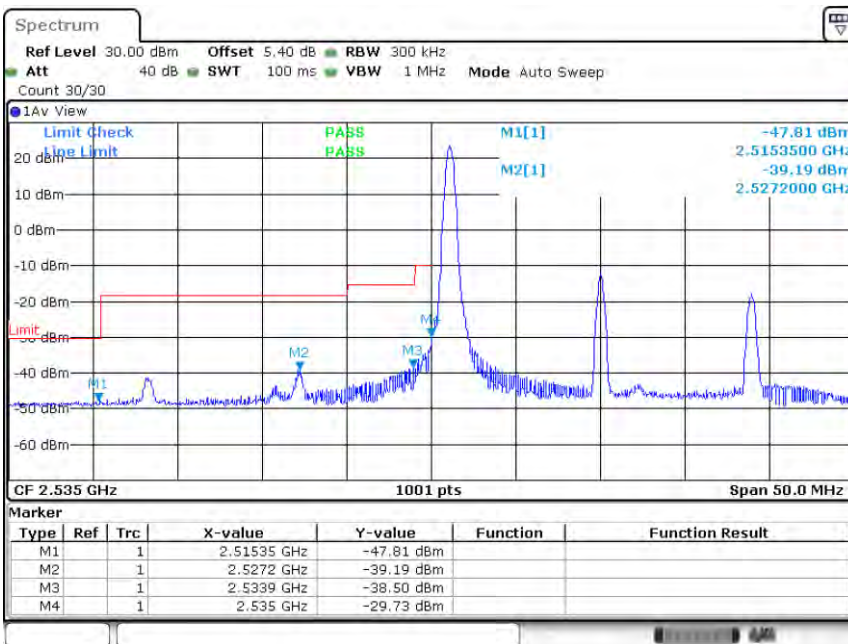
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:44:22

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

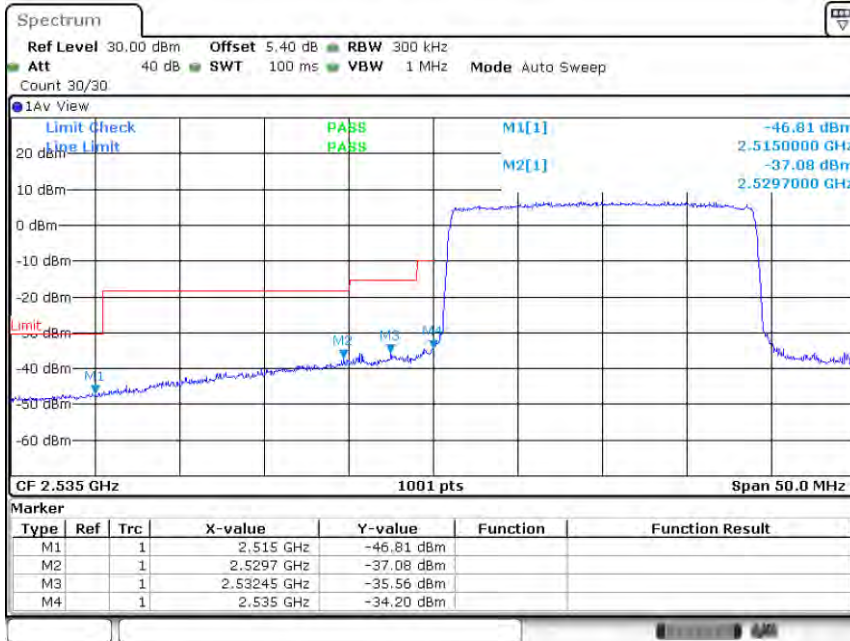


Date: 22.OCT.2020 01:42:40



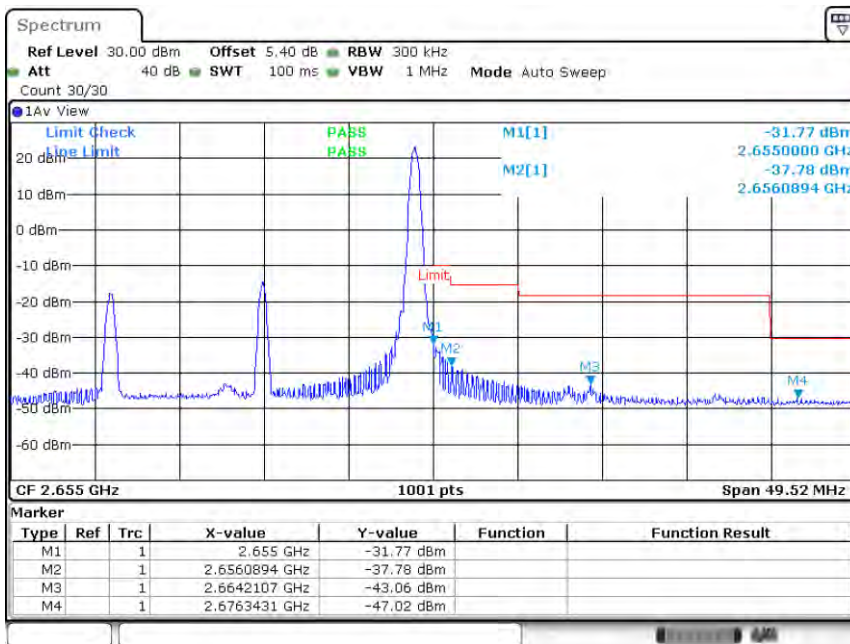
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:43:17

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



Date: 22.OCT.2020 01:44:03

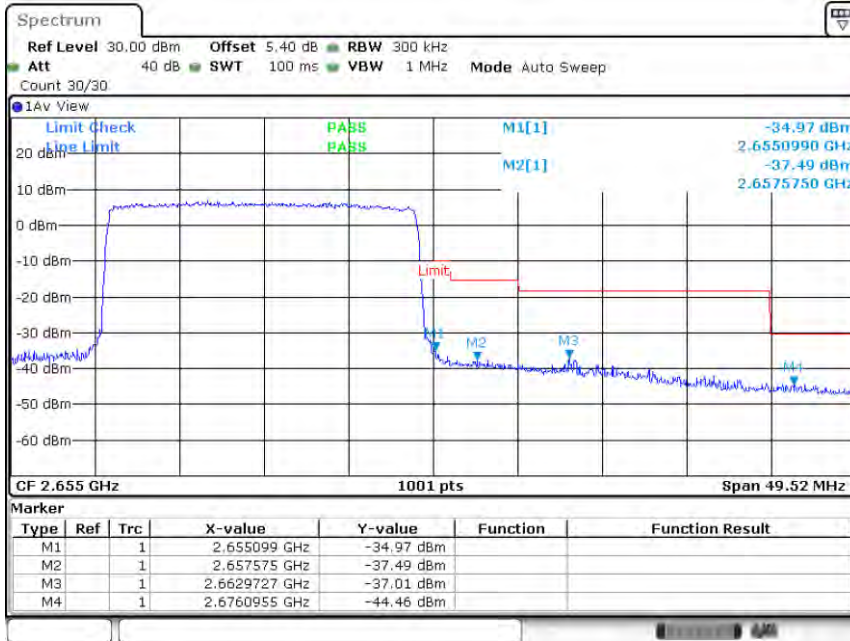


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

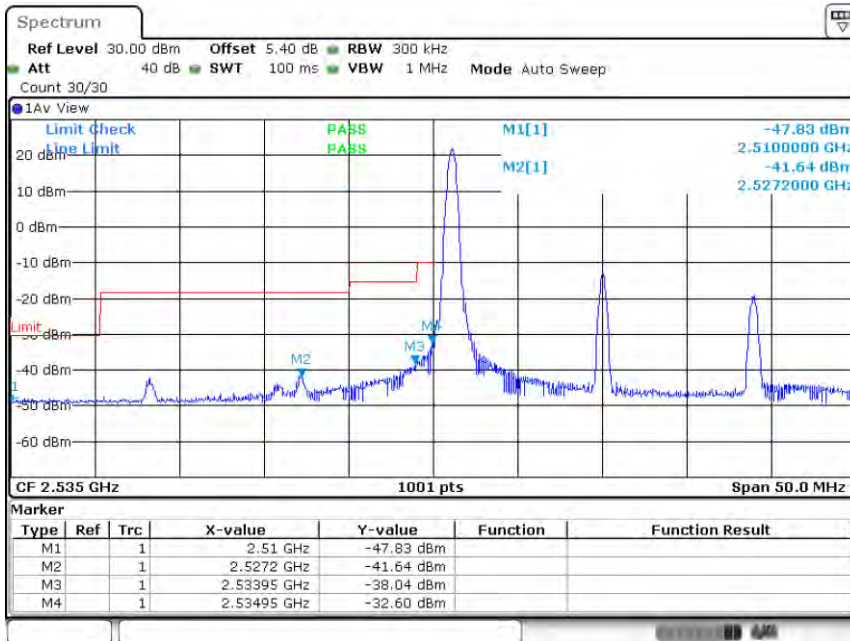
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 01:44:41

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

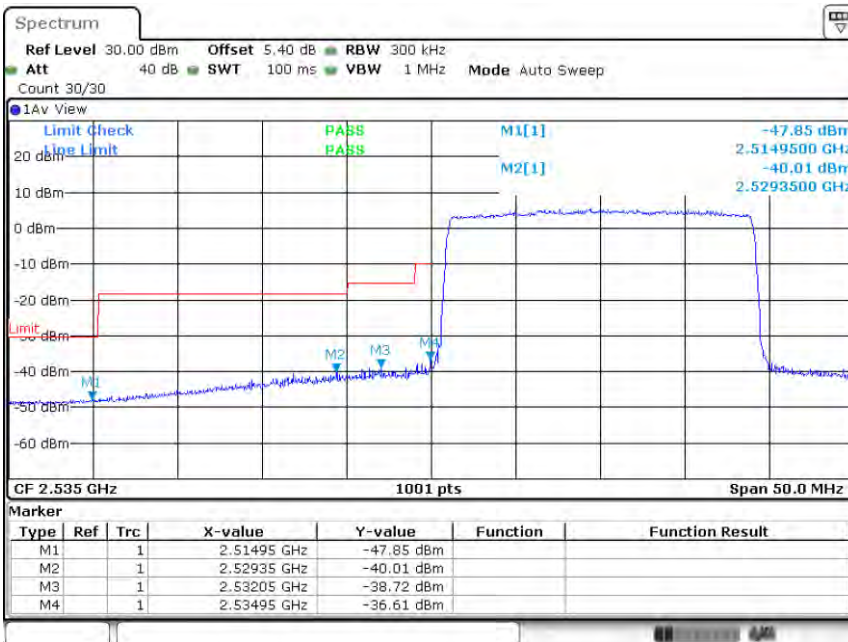


Date: 22.OCT.2020 12:18:23



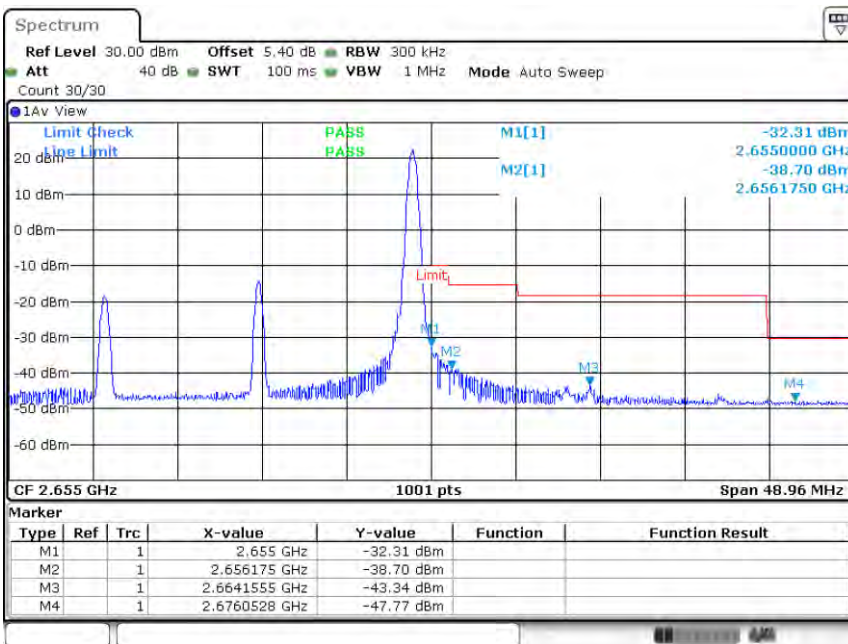
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 12:18:42

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



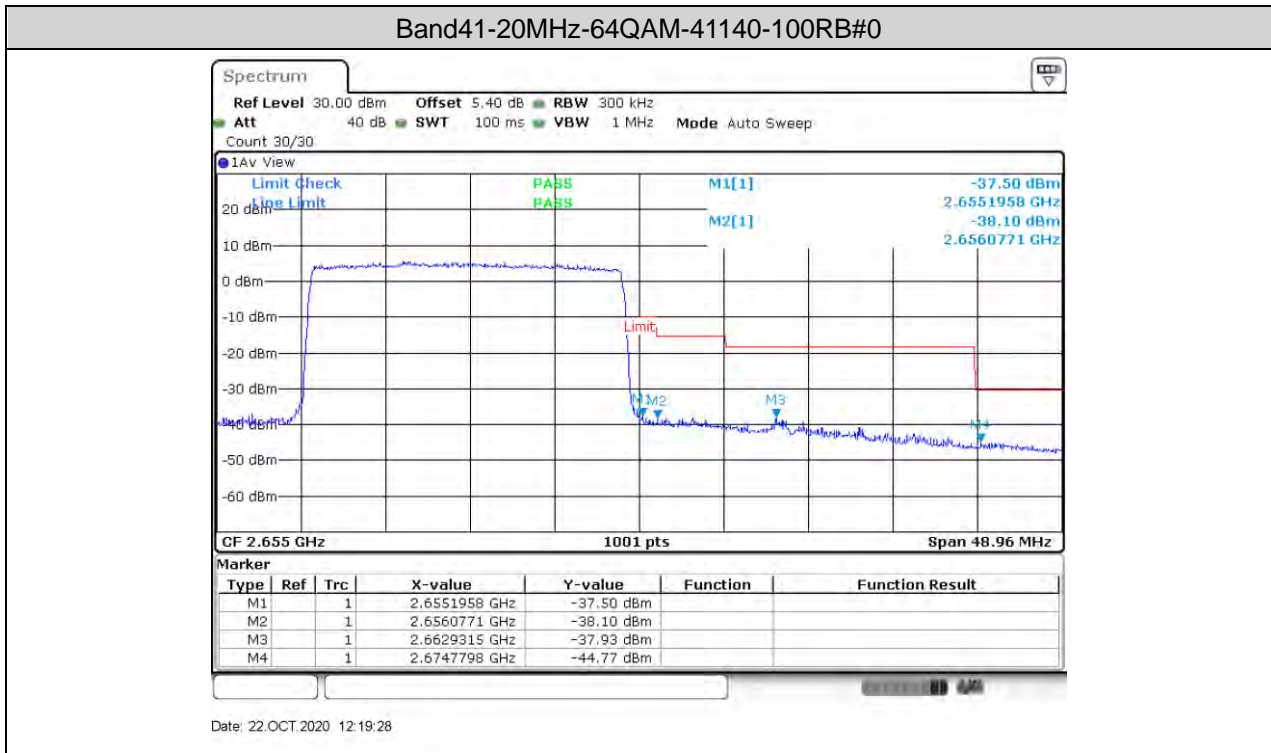
Date: 22.OCT.2020 12:19:09



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

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

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



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

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

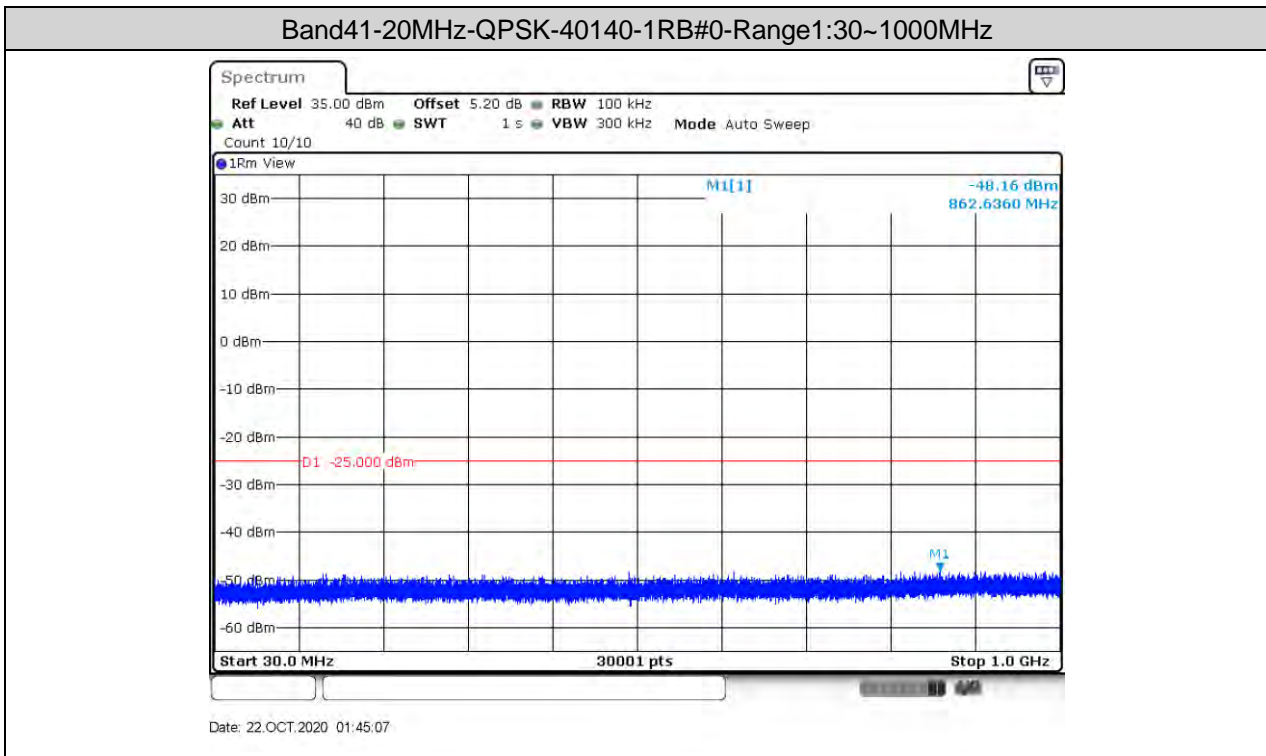
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

6 Spurious Emission at Antenna Terminal

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

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

6.1 Test Plots

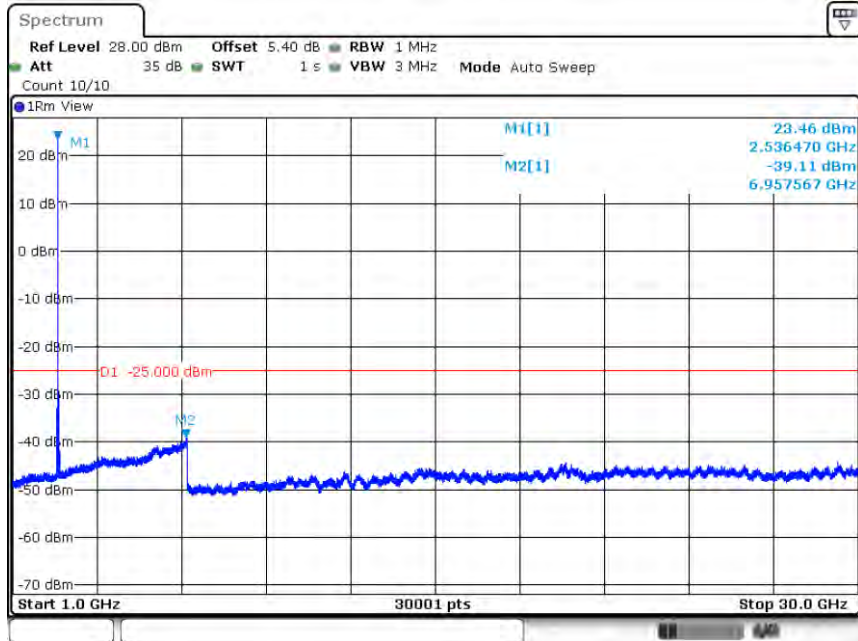


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

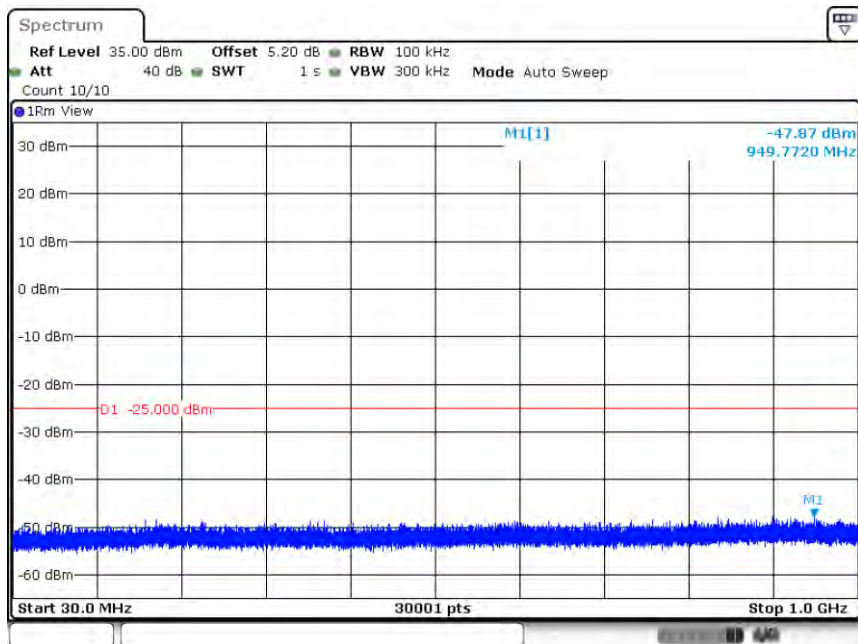
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 01:45:24

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

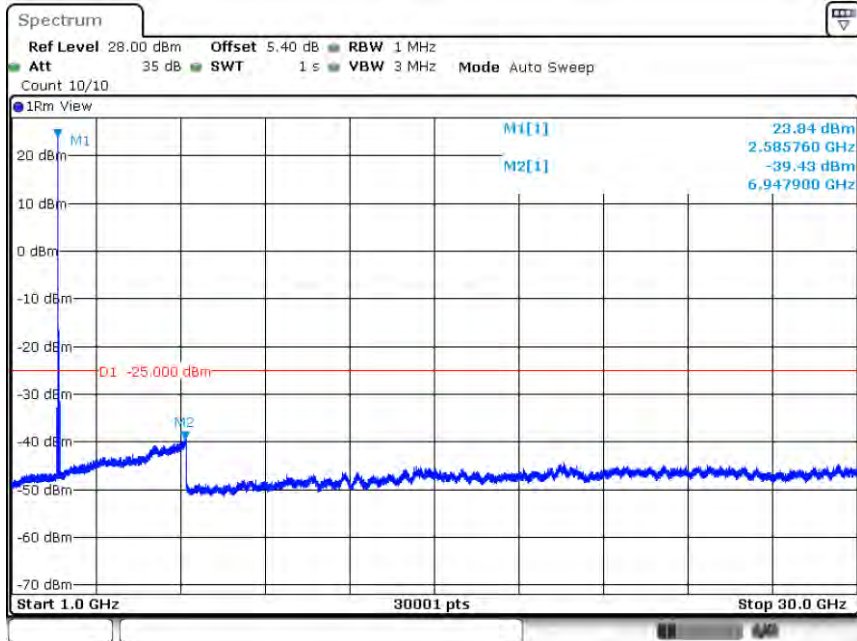


Date: 22.OCT.2020 01:46:25



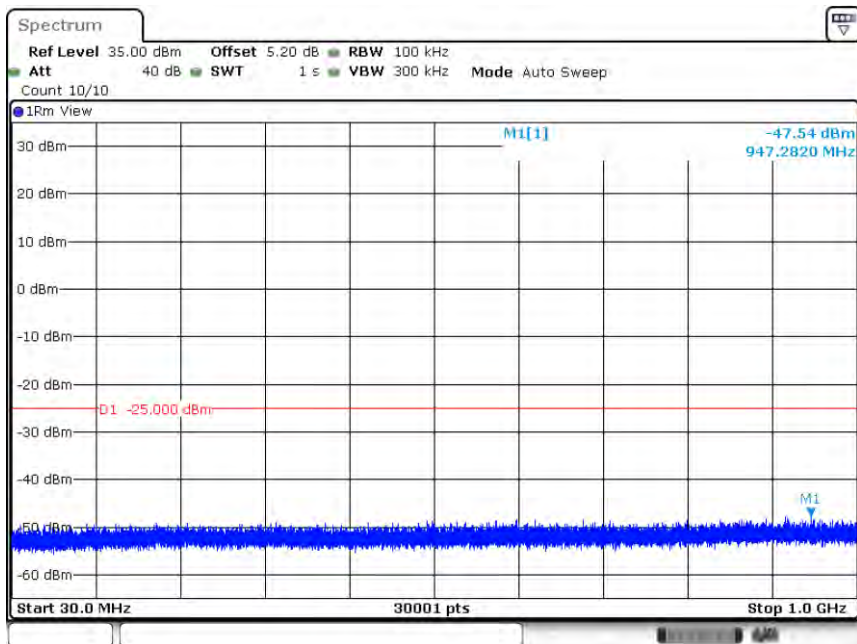
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:46:42

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

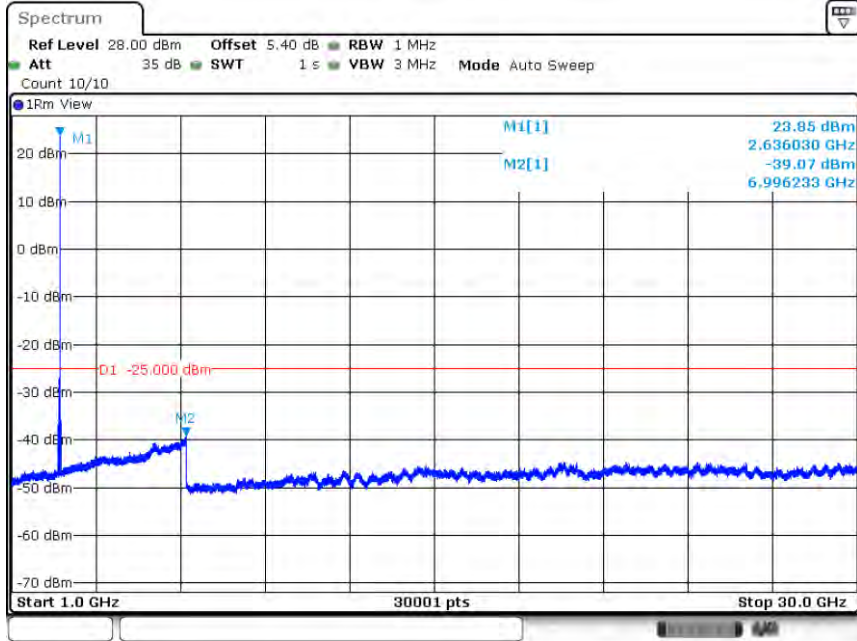


Date: 22.OCT.2020 01:47:43



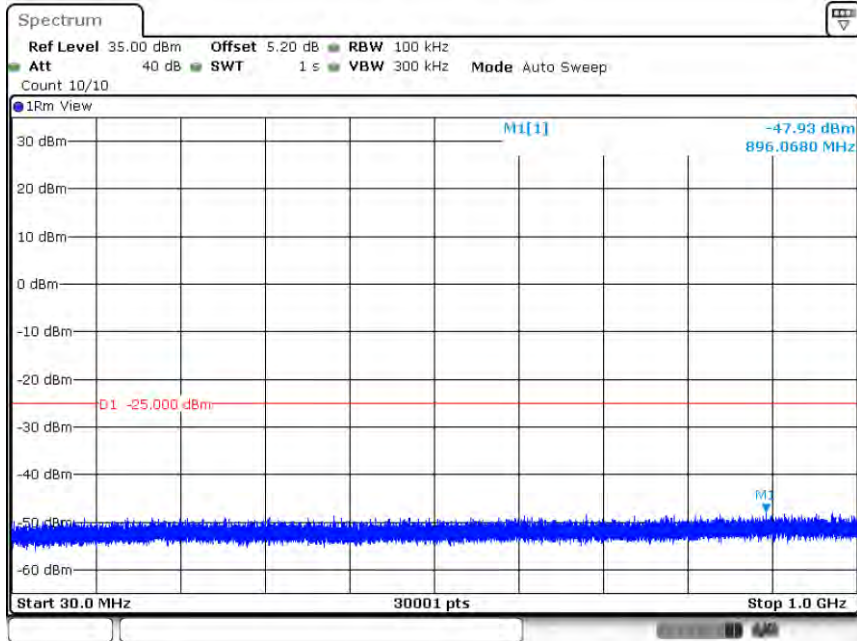
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:48:00

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

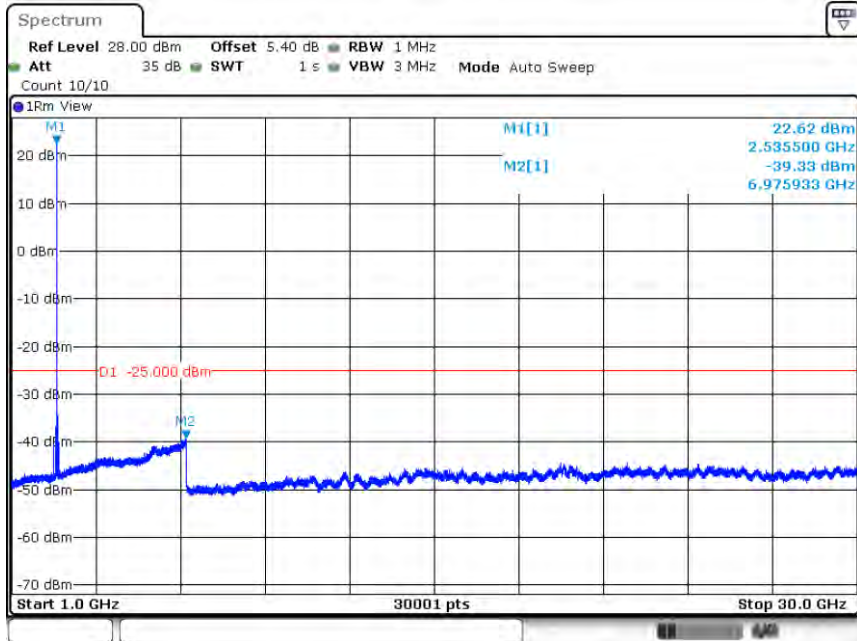


Date: 22.OCT.2020 01:45:46



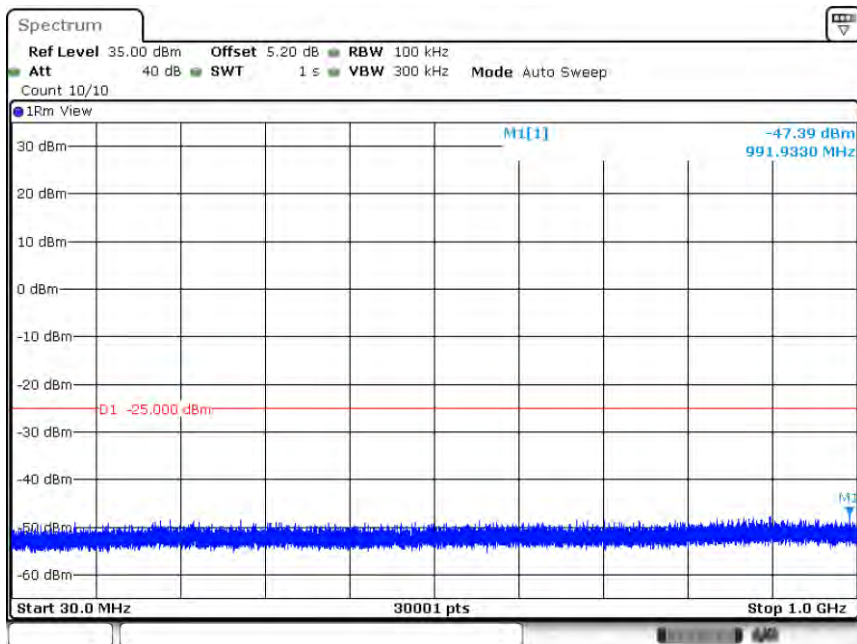
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:46:03

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

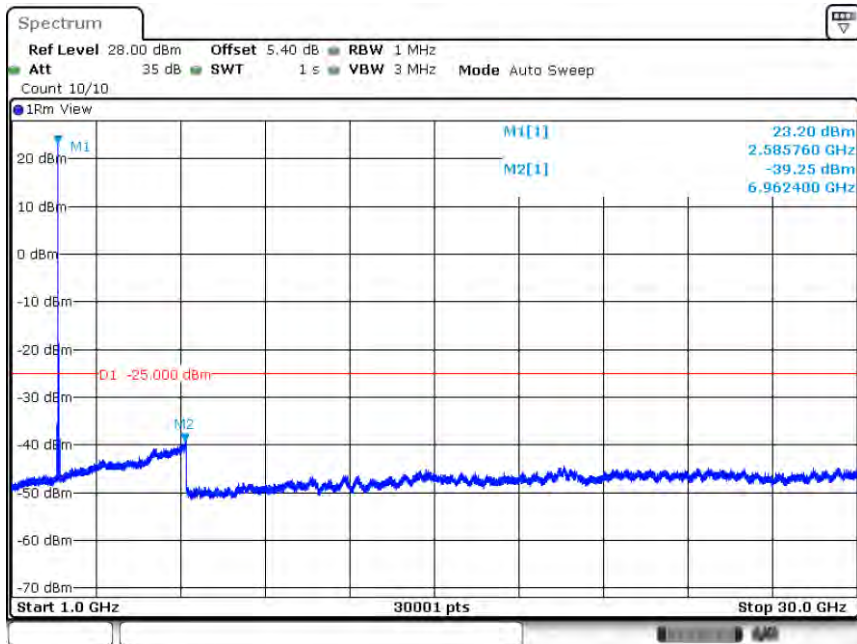


Date: 22.OCT.2020 01:47:04



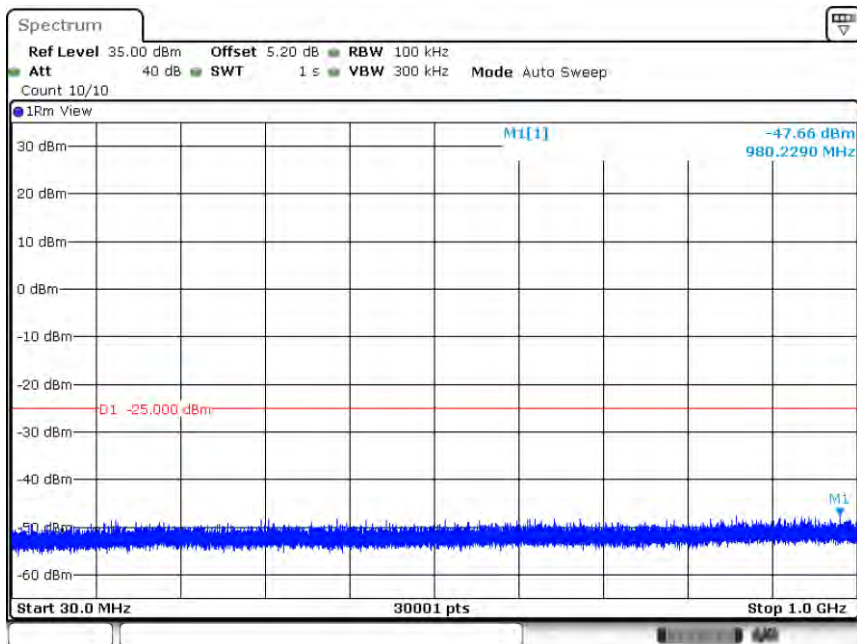
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:47:21

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

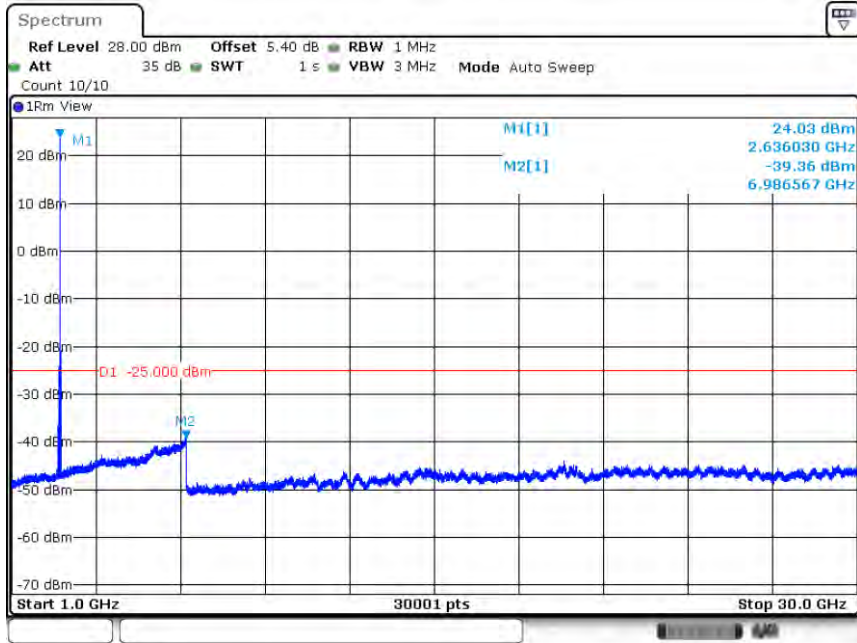


Date: 22.OCT.2020 01:48:22



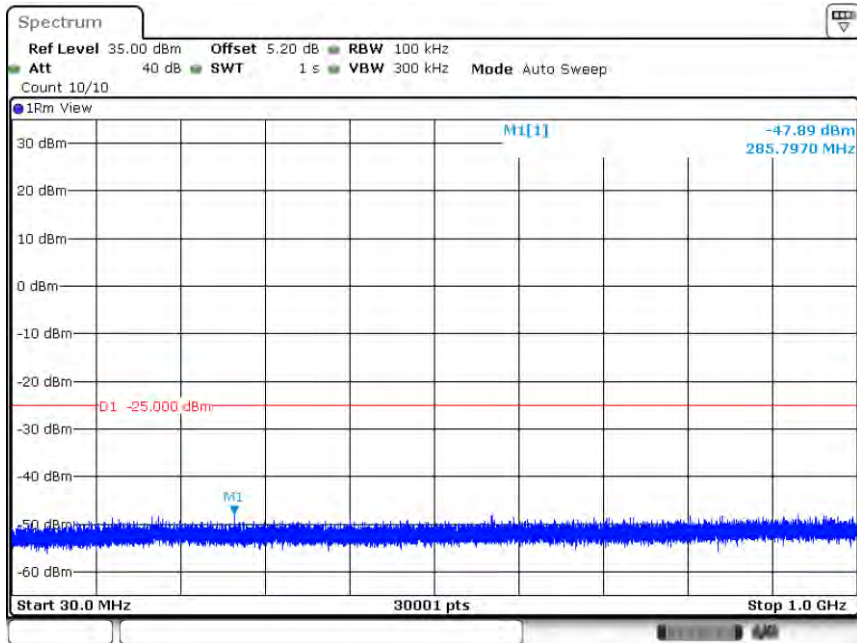
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 01:48:39

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

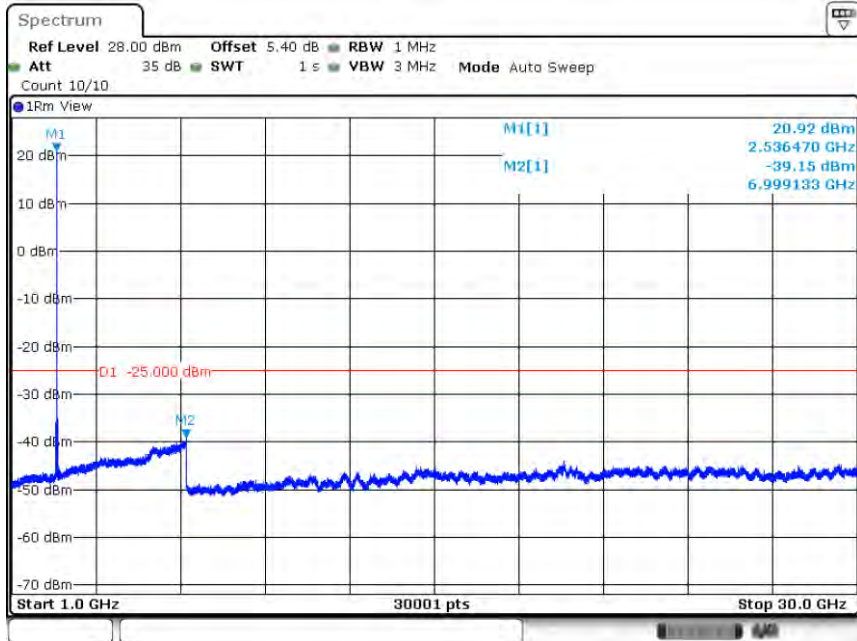


Date: 22.OCT.2020 12:19:56



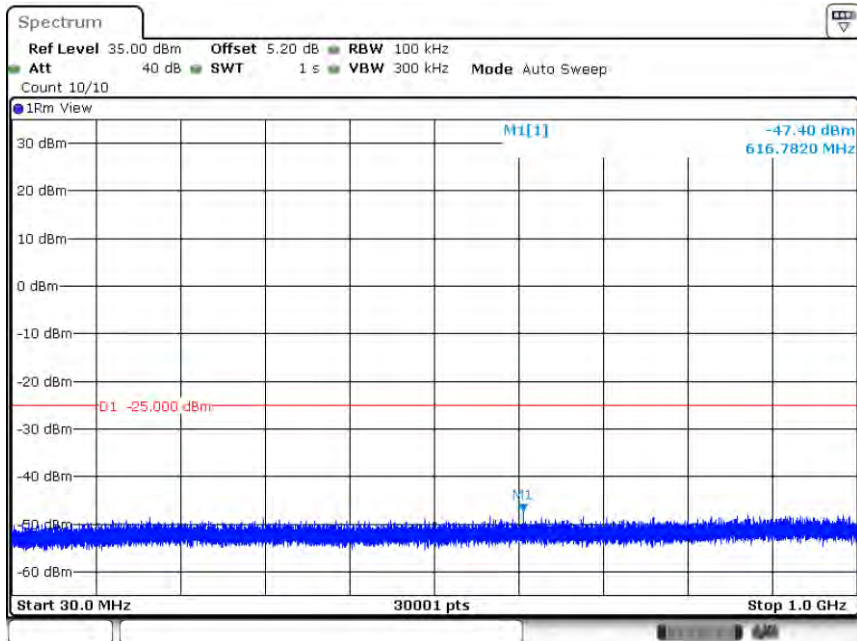
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 12:20:13

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

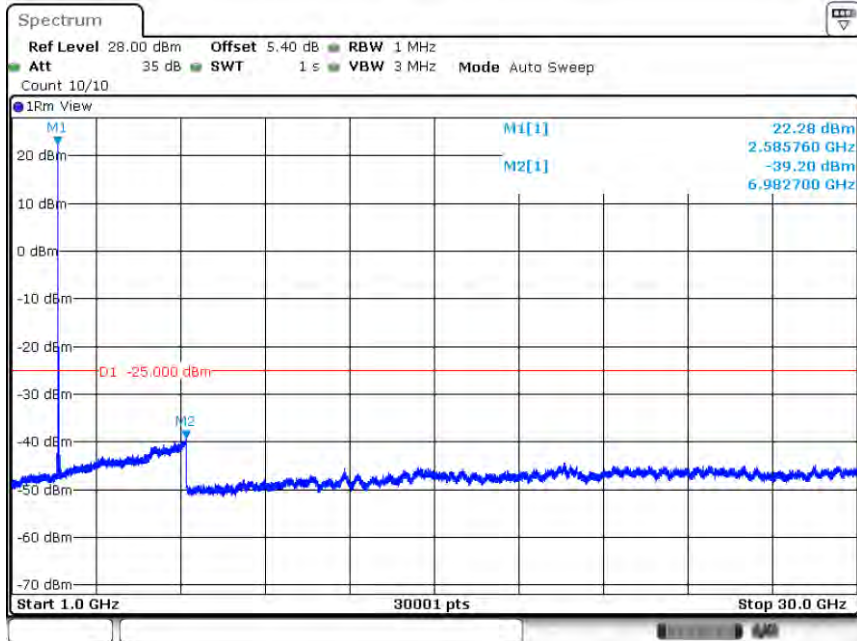


Date: 22.OCT.2020 12:20:36



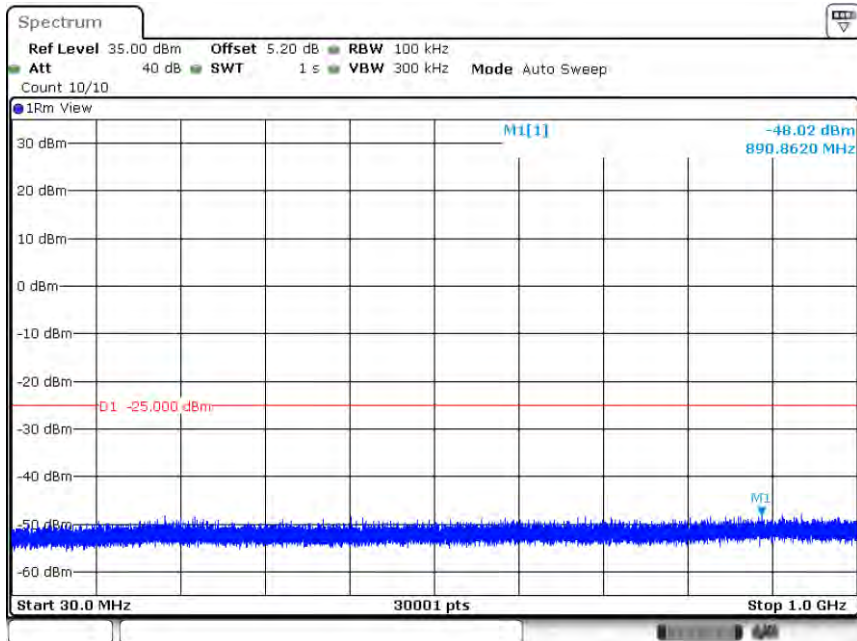
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22.OCT.2020 12:20:53

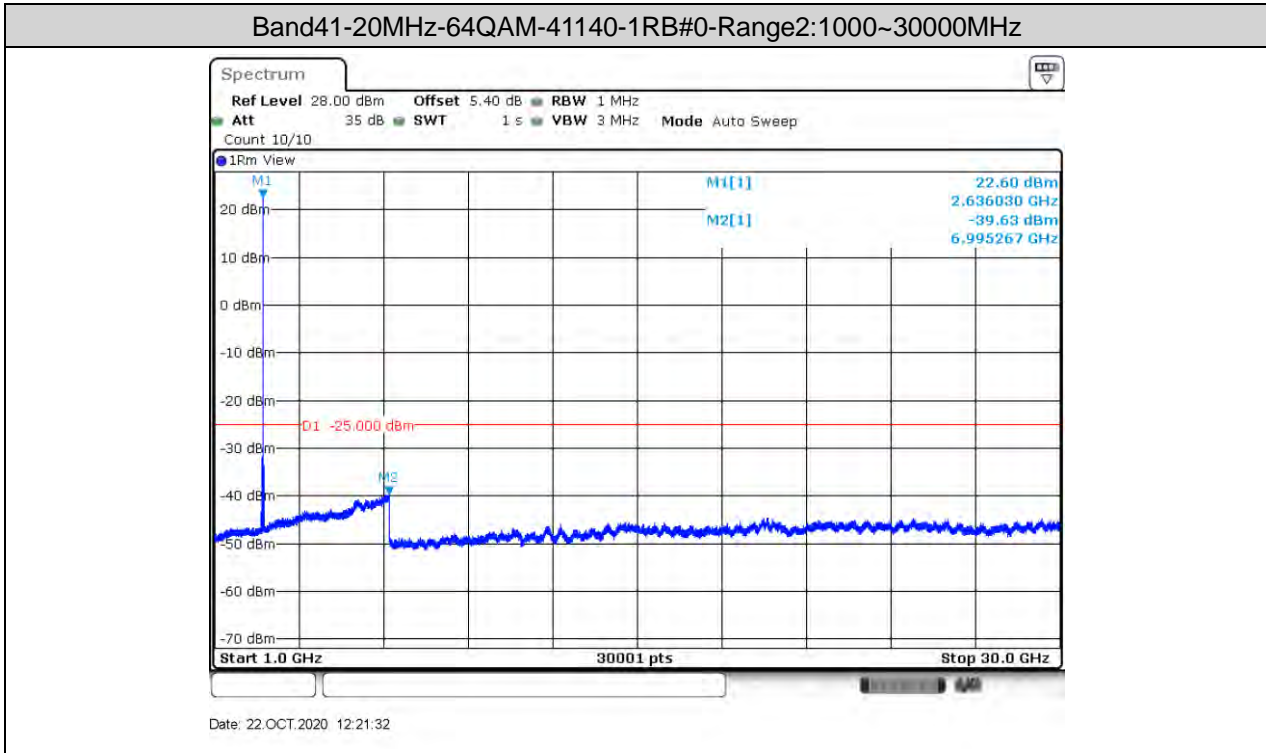
Band41-20MHz-64QAM-41140-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 12:21:15



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



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

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



7 Field Strength of Spurious Radiation

Firstly Supply:

7.1 Test Band = LTE_41_TM1

7.1.1 Test Channel = Low Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.3196	-70.24	-63.36	-25.00	38.36	187	98	Horizontal
2	600.3885	-71.29	-63.65	-25.00	38.65	195	35	Horizontal
3	1776.1552	-60.00	-34.49	-25.00	9.49	184	279	Horizontal
4	3528.5176	-52.28	-60.97	-25.00	35.97	163	320	Horizontal
5	12868.8290	-59.95	-50.41	-25.00	25.41	178	35	Horizontal
6	16398.9466	-58.62	-44.19	-25.00	19.19	162	225	Horizontal



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

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



7.2 Test Band = LTE_41_TM1

7.2.1 Test Channel = Low Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.2926	-62.76	-64.03	-25.00	39.03	224	329	Vertical
2	110.3685	-71.22	-64.84	-25.00	39.84	256	166	Vertical
3	1783.7568	-64.67	-39.42	-25.00	14.42	287	283	Vertical
4	5072.5691	-49.46	-56.49	-25.00	31.49	265	67	Vertical
5	14495.8832	-60.47	-47.99	-25.00	22.99	217	130	Vertical
6	17996.4999	-58.30	-40.51	-25.00	15.51	221	329	Vertical



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



7.3 Test Band = LTE_41_TM1

7.3.1 Test Channel = Middle Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.5621	-69.60	-62.71	-25.00	37.71	187	225	Horizontal
2	240.0155	-71.43	-68.64	-25.00	43.64	165	162	Horizontal
3	752.9286	-70.39	-60.44	-25.00	35.44	187	130	Horizontal
4	1779.7560	-67.84	-42.25	-25.00	17.25	162	186	Horizontal
5	5172.0724	-52.41	-59.11	-25.00	34.11	187	35	Horizontal
6	16387.4462	-58.95	-44.73	-25.00	19.73	162	257	Horizontal



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

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

7.4 Test Band = LTE_41_TM1

7.4.1 Test Channel = Middle Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	52.1656	-61.60	-62.93	-25.00	37.93	247	130	Vertical
2	82.4796	-64.84	-64.34	-25.00	39.34	265	99	Vertical
3	572.7906	-71.53	-65.23	-25.00	40.23	281	225	Vertical
4	1644.5289	-68.35	-43.53	-25.00	18.53	257	188	Vertical
5	5172.0724	-46.43	-53.48	-25.00	28.48	236	67	Vertical
6	17997.9999	-58.77	-40.94	-25.00	15.94	224	194	Vertical



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



7.5 Test Band = LTE_41_TM1

7.5.1 Test Channel = High Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.9716	-66.36	-63.69	-25.00	38.69	247	352	Horizontal
2	240.3550	-71.18	-68.40	-25.00	43.40	259	225	Horizontal
3	532.9701	-71.49	-65.48	-25.00	40.48	241	98	Horizontal
4	1604.1208	-68.65	-44.07	-25.00	19.07	225	324	Horizontal
5	5272.0757	-51.46	-58.60	-25.00	33.60	263	162	Horizontal
6	16392.9464	-58.70	-44.38	-25.00	19.38	287	352	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.



7.6 Test Band = LTE_41_TM1

7.6.1 Test Channel = High Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.9716	-63.64	-64.96	-25.00	39.96	241	262	Vertical
2	114.5397	-70.42	-64.41	-25.00	39.41	258	35	Vertical
3	625.2703	-70.46	-62.91	-25.00	37.91	296	294	Vertical
4	1769.7540	-67.36	-42.13	-25.00	17.13	274	345	Vertical
5	5272.0757	-46.42	-54.03	-25.00	29.03	251	67	Vertical
6	17990.4997	-58.75	-41.11	-25.00	16.11	269	357	Vertical

Remark:

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



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

8 Frequency Stability

8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	2.90	0.001139	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	-1.20	-0.000462	±2.5	FAIL
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	2.90	0.001139	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VL	NT	-5.90	-0.002274	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VN	NT	-8.90	-0.003430	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VH	NT	-1.20	-0.000462	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	3.60	0.001361	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	4.30	0.001626	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	0.10	0.000038	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	1.40	0.000550	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	2.60	0.001022	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	1.10	0.000432	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VL	NT	-7.30	-0.002813	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VN	NT	-0.20	-0.000077	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VH	NT	-2.30	-0.000886	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	5.40	0.002042	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-0.90	-0.000340	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	9.90	0.003743	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VL	NT	2.00	0.000786	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VN	NT	15.00	0.005894	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VH	NT	-5.00	-0.001965	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VL	NT	1.50	0.000578	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VN	NT	2.30	0.000886	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VH	NT	-1.20	-0.000462	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	10.80	0.004083	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	0.10	0.000038	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	6.60	0.002495	±2.5	PASS



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



8.2 Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	NV	-30	-2.20	-0.000864	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	-1.30	-0.000511	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-10	2.70	0.001061	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	-1.00	-0.000393	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	3.40	0.001336	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	0.50	0.000196	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	30	7.50	0.002947	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	40	-2.30	-0.000904	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	50	2.70	0.001061	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-30	-1.10	-0.000424	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-20	-5.50	-0.002119	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-10	-6.20	-0.002389	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	0	-4.80	-0.001850	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	10	-1.80	-0.000694	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	20	-3.50	-0.001349	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	30	-1.60	-0.000617	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	40	-4.20	-0.001618	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	50	-2.90	-0.001118	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	0.50	0.000189	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	5.90	0.002231	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-10	5.30	0.002004	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	3.30	0.001248	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	3.10	0.001172	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	6.70	0.002533	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	5.50	0.002079	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	1.00	0.000378	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-1.90	-0.000718	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	-2.50	-0.000982	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-10	3.00	0.001179	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	0.30	0.000118	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	-3.30	-0.001297	±2.5	PASS



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

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



Band41	20MHz	16QAM	40140	100RB#0	NV	30	2.20	0.000864	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	40	5.30	0.002083	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	50	0.10	0.000039	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-30	-6.30	-0.002428	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-20	-6.70	-0.002582	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-10	-1.80	-0.000694	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	0	2.40	0.000925	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	10	-3.20	-0.001233	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	20	-3.40	-0.001310	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	30	-3.80	-0.001464	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	40	-3.00	-0.001156	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	50	3.70	0.001426	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-1.00	-0.000378	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	3.00	0.001134	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-10	2.30	0.000870	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	11.10	0.004197	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	1.70	0.000643	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	3.70	0.001399	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	0.70	0.000265	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	2.40	0.000907	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	1.10	0.000416	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-30	1.30	0.000511	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-20	-1.90	-0.000747	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-10	5.80	0.002279	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	0	4.70	0.001847	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	10	0.50	0.000196	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	20	2.20	0.000864	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	30	0.90	0.000354	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	40	2.30	0.000904	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	50	3.00	0.001179	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-30	1.70	0.000655	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-20	2.30	0.000886	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-10	-1.30	-0.000501	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	0	-4.50	-0.001734	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	10	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	20	1.00	0.000385	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	30	-1.80	-0.000694	±2.5	PASS



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

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

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



Band41	20MHz	64QAM	40640	100RB#0	NV	40	-3.50	-0.001349	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	50	3.30	0.001272	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	4.80	0.001815	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-4.50	-0.001701	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-10	5.20	0.001966	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	1.00	0.000378	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	-2.40	-0.000907	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	3.10	0.001172	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	6.00	0.002268	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	3.40	0.001285	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	3.80	0.001437	±2.5	PASS

The End



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