



Appendix B

E-UTRA Band 41



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

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



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	4
1.1.	TEST RESULT	4
2.	PEAK-TO-AVERAGE RATIO (CCDF)	15
2.1.	TEST RESULT	15
2.2.	TEST PLOTS.....	16
3.	MODULATION CHARACTERISTICS	22
3.1.	TEST MODE = LTE /TM1 20MHZ.....	22
3.1.1.	TEST CHANNEL = MCH.....	22
3.2.	TEST MODE = LTE /TM2 20MHZ.....	23
3.2.1.	TEST CHANNEL = MCH.....	23
3.3.	TEST MODE = LTE /TM3 20MHZ.....	24
3.3.1.	TEST CHANNEL = MCH.....	24
3.4.	TEST MODE = LTE /TM4 20MHZ.....	25
3.4.1.	TEST CHANNEL = MCH.....	25
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	26
4.1.	TEST RESULT	26
4.2.	TEST PLOTS.....	28
5.	BAND EDGE COMPLIANCE	53
5.1.	TEST PLOTS.....	53
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	62
6.1.	TEST PLOTS.....	62
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	66
7.1.	Test Band = _41 _TM1	66
7.1.1.	Test Channel = Low Channel	66
7.2.	Test Band = _41 _TM1	67
7.2.1.	Test Channel = Low Channel	67
7.3.	Test Band = _B41 _TM1	68
7.3.1.	Test Channel = Mid Channel	68
7.4.	Test Band = _B41 _TM1	69
7.4.1.	Test Channel = Mid Channel	69



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



7.5.	Test Band = _41 _TM1	70
7.5.1.	Test Channel = High Channel	70
7.6.	Test Band = _41 _TM1	71
7.6.1.	Test Channel = High Channel	71
8.	FREQUENCY STABILITY	72
8.1.	FREQUENCY VS VOLTAGE	72
8.2.	FREQUENCY VS TEMPERATURE	72



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	26.23	27.75	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.18	27.7	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.22	27.74	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#6	25.13	26.65	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	25.14	26.66	33.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	25.13	26.65	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.14	26.66	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.07	27.59	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.09	27.61	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.98	27.5	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	24.95	26.47	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	24.96	26.48	33.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	25.03	26.55	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.00	26.52	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.97	27.49	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.90	27.42	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.97	27.49	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	24.90	26.42	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	24.90	26.42	33.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	24.84	26.36	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.90	26.42	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.36	25.88	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.40	25.92	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.38	25.9	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	23.16	24.68	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	23.19	24.71	33.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	23.16	24.68	33.00	PASS





Band41	5MHz	64QAM	39675	25RB#0	23.19	24.71	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.20	25.72	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.29	25.81	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.28	25.8	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	22.93	24.45	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	22.92	24.44	33.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	23.01	24.53	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.01	24.53	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.19	25.71	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.20	25.72	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.12	25.64	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	22.86	24.38	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#6	22.92	24.44	33.00	PASS
Band41	5MHz	64QAM	41565	12RB#0	22.90	24.42	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.95	24.47	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.08	22.6	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.09	22.61	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.09	22.61	33.00	PASS
Band41	5MHz	256QAM	39675	12RB#6	21.10	22.62	33.00	PASS
Band41	5MHz	256QAM	39675	12RB#13	21.12	22.64	33.00	PASS
Band41	5MHz	256QAM	39675	12RB#0	21.13	22.65	33.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	21.15	22.67	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#24	20.89	22.41	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#12	20.86	22.38	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#0	20.81	22.33	33.00	PASS
Band41	5MHz	256QAM	40620	12RB#0	20.98	22.5	33.00	PASS
Band41	5MHz	256QAM	40620	12RB#6	20.92	22.44	33.00	PASS
Band41	5MHz	256QAM	40620	12RB#13	20.90	22.42	33.00	PASS
Band41	5MHz	256QAM	40620	25RB#0	20.96	22.48	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#24	20.80	22.32	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#0	20.87	22.39	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#12	20.88	22.4	33.00	PASS
Band41	5MHz	256QAM	41565	12RB#13	20.94	22.46	33.00	PASS





Band41	5MHz	256QAM	41565	12RB#6	20.86	22.38	33.00	PASS
Band41	5MHz	256QAM	41565	12RB#0	20.91	22.43	33.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.94	22.46	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.41	26.93	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.37	26.89	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.43	26.95	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	24.18	25.7	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	24.18	25.7	33.00	PASS
Band41	5MHz	16QAM	39675	12RB#13	24.17	25.69	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.15	25.67	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.30	26.82	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.23	26.75	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.33	26.85	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	23.97	25.49	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	24.05	25.57	33.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	23.96	25.48	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.95	25.47	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.11	26.63	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.20	26.72	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.17	26.69	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	23.96	25.48	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#6	23.94	25.46	33.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	23.89	25.41	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.89	25.41	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.26	27.78	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.27	27.79	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.19	27.71	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	25.15	26.67	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	25.24	26.76	33.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	25.21	26.73	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.25	26.77	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.04	27.56	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.93	27.45	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
Shenzhen Branch: 中国·深圳·科技园中区M-10栋一号楼
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栋一号楼 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band41	10MHz	QPSK	40620	1RB#0	26.06	27.58	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	25.03	26.55	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	25.00	26.52	33.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	24.95	26.47	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.02	26.54	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.93	27.45	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.95	27.47	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.86	27.38	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	24.83	26.35	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	24.91	26.43	33.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	24.91	26.43	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.91	26.43	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.44	25.96	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.55	26.07	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.52	26.04	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	23.21	24.73	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	23.26	24.78	33.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	23.30	24.82	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.22	24.74	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.15	25.67	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.27	25.79	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.31	25.83	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	22.95	24.47	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	23.01	24.53	33.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	23.05	24.57	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.00	24.52	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.22	25.74	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.27	25.79	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.13	25.65	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	22.90	24.42	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#0	22.98	24.5	33.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	22.96	24.48	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.92	24.44	33.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.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	256QAM	39700	1RB#0	21.08	22.6	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.17	22.69	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.12	22.64	33.00	PASS
Band41	10MHz	256QAM	39700	25RB#25	21.14	22.66	33.00	PASS
Band41	10MHz	256QAM	39700	25RB#12	21.15	22.67	33.00	PASS
Band41	10MHz	256QAM	39700	25RB#0	21.19	22.71	33.00	PASS
Band41	10MHz	256QAM	39700	50RB#0	21.22	22.74	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#49	20.73	22.25	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#0	20.86	22.38	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#24	20.86	22.38	33.00	PASS
Band41	10MHz	256QAM	40620	25RB#0	20.98	22.5	33.00	PASS
Band41	10MHz	256QAM	40620	25RB#12	20.95	22.47	33.00	PASS
Band41	10MHz	256QAM	40620	25RB#25	20.91	22.43	33.00	PASS
Band41	10MHz	256QAM	40620	50RB#0	21.01	22.53	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#0	20.86	22.38	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#49	20.77	22.29	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#24	20.90	22.42	33.00	PASS
Band41	10MHz	256QAM	41540	25RB#12	20.96	22.48	33.00	PASS
Band41	10MHz	256QAM	41540	25RB#25	20.93	22.45	33.00	PASS
Band41	10MHz	256QAM	41540	25RB#0	20.90	22.42	33.00	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.96	22.48	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.54	27.06	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.52	27.04	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.44	26.96	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	24.19	25.71	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	24.27	25.79	33.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	24.18	25.7	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.28	25.8	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.31	26.83	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.31	26.83	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.19	26.71	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	23.88	25.4	33.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	23.93	25.45	33.00	PASS



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

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

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

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



Band41	10MHz	16QAM	40620	25RB#0	23.96	25.48	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.02	25.54	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.18	26.7	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.21	26.73	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.07	26.59	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	23.91	25.43	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	23.88	25.4	33.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	23.84	25.36	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.95	25.47	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.27	27.79	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.21	27.73	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.09	27.61	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	25.17	26.69	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	25.23	26.75	33.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	25.25	26.77	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.22	26.74	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.03	27.55	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.00	27.52	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.88	27.4	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	25.00	26.52	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	24.97	26.49	33.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	24.89	26.41	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.98	26.5	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.90	27.42	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.94	27.46	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.77	27.29	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	24.84	26.36	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	24.88	26.4	33.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	24.86	26.38	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.92	26.44	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.41	25.93	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.57	26.09	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.50	26.02	33.00	PASS





Band41	15MHz	64QAM	39725	36RB#39	23.20	24.72	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	23.22	24.74	33.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	23.13	24.65	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.22	24.74	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.27	25.79	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.12	25.64	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.25	25.77	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	22.84	24.36	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#18	22.92	24.44	33.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	22.93	24.45	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.95	24.47	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.25	25.77	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.11	25.63	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.19	25.71	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	22.84	24.36	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	22.88	24.4	33.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	22.84	24.36	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.92	24.44	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#38	21.14	22.66	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#0	21.13	22.65	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.01	22.53	33.00	PASS
Band41	15MHz	256QAM	39725	36RB#39	21.12	22.64	33.00	PASS
Band41	15MHz	256QAM	39725	36RB#0	21.13	22.65	33.00	PASS
Band41	15MHz	256QAM	39725	36RB#18	21.09	22.61	33.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	21.16	22.68	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#0	20.86	22.38	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#38	20.71	22.23	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#74	20.85	22.37	33.00	PASS
Band41	15MHz	256QAM	40620	36RB#0	20.92	22.44	33.00	PASS
Band41	15MHz	256QAM	40620	36RB#18	20.84	22.36	33.00	PASS
Band41	15MHz	256QAM	40620	36RB#39	20.91	22.43	33.00	PASS
Band41	15MHz	256QAM	40620	75RB#0	20.91	22.43	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#74	20.84	22.36	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	256QAM	41515	1RB#0	20.81	22.33	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#38	20.73	22.25	33.00	PASS
Band41	15MHz	256QAM	41515	36RB#39	20.86	22.38	33.00	PASS
Band41	15MHz	256QAM	41515	36RB#18	20.84	22.36	33.00	PASS
Band41	15MHz	256QAM	41515	36RB#0	20.83	22.35	33.00	PASS
Band41	15MHz	256QAM	41515	75RB#0	20.92	22.44	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.57	27.09	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.51	27.03	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.41	26.93	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	24.28	25.8	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	24.23	25.75	33.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	24.29	25.81	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.24	25.76	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.17	26.69	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.29	26.81	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.32	26.84	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#18	24.02	25.54	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	23.97	25.49	33.00	PASS
Band41	15MHz	16QAM	40620	36RB#0	23.91	25.43	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	23.97	25.49	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.17	26.69	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.22	26.74	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.05	26.57	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	23.94	25.46	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	23.90	25.42	33.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	23.91	25.43	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.93	25.45	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.07	27.59	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.32	27.84	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.18	27.7	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	25.25	26.77	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#25	25.28	26.8	33.00	PASS
Band41	20MHz	QPSK	39750	50RB#50	25.23	26.75	33.00	PASS



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

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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Shenzhen Branch: 中国·深圳·科技园中区M-10栋一号楼
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栋一号楼 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band41	20MHz	QPSK	39750	100RB#0	25.21	26.73	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.03	27.55	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.84	27.36	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.04	27.56	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	25.07	26.59	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	25.01	26.53	33.00	PASS
Band41	20MHz	QPSK	40620	50RB#50	24.93	26.45	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.00	26.52	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.01	27.53	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.90	27.42	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.74	27.26	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	24.96	26.48	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	24.94	26.46	33.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	24.89	26.41	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.92	26.44	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.46	25.98	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.63	26.15	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.37	25.89	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	23.21	24.73	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	23.28	24.8	33.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	23.19	24.71	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.18	24.7	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.04	25.56	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.30	25.82	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.27	25.79	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	22.90	24.42	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	23.04	24.56	33.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	22.98	24.5	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.93	24.45	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.26	25.78	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.04	25.56	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.26	25.78	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	22.94	24.46	33.00	PASS





Band41	20MHz	64QAM	41490	50RB#0	22.94	24.46	33.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	22.87	24.39	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.88	24.4	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#0	20.90	22.42	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.03	22.55	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#49	21.18	22.7	33.00	PASS
Band41	20MHz	256QAM	39750	50RB#50	21.22	22.74	33.00	PASS
Band41	20MHz	256QAM	39750	50RB#25	21.27	22.79	33.00	PASS
Band41	20MHz	256QAM	39750	50RB#0	21.18	22.7	33.00	PASS
Band41	20MHz	256QAM	39750	100RB#0	21.14	22.66	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#0	20.86	22.38	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#49	20.86	22.38	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#99	20.66	22.18	33.00	PASS
Band41	20MHz	256QAM	40620	50RB#0	21.06	22.58	33.00	PASS
Band41	20MHz	256QAM	40620	50RB#25	21.00	22.52	33.00	PASS
Band41	20MHz	256QAM	40620	50RB#50	20.93	22.45	33.00	PASS
Band41	20MHz	256QAM	40620	100RB#0	20.90	22.42	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#49	20.87	22.39	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#99	20.70	22.22	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#0	20.82	22.34	33.00	PASS
Band41	20MHz	256QAM	41490	50RB#0	20.97	22.49	33.00	PASS
Band41	20MHz	256QAM	41490	50RB#50	20.93	22.45	33.00	PASS
Band41	20MHz	256QAM	41490	50RB#25	20.96	22.48	33.00	PASS
Band41	20MHz	256QAM	41490	100RB#0	20.89	22.41	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.59	27.11	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.47	26.99	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.36	26.88	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	24.34	25.86	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	24.29	25.81	33.00	PASS
Band41	20MHz	16QAM	39750	50RB#0	24.25	25.77	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.27	25.79	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.30	26.82	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.31	26.83	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
Shenzhen Branch: 科技园中区M-10栋一号楼
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号楼

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

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



Band41	20MHz	16QAM	40620	1RB#99	25.10	26.62	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	23.93	25.45	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	24.07	25.59	33.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	24.02	25.54	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.02	25.54	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.26	26.78	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.19	26.71	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.00	26.52	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	23.96	25.48	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	23.97	25.49	33.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	23.92	25.44	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.98	25.5	33.00	PASS

Remark:

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

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

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

The conducted Power is measured by Base Station Simulator



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



2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	6.03	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.28	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.52	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	5.68	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.00	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.71	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	6.58	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	8.78	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	8.52	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.67	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.71	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.28	13	PASS

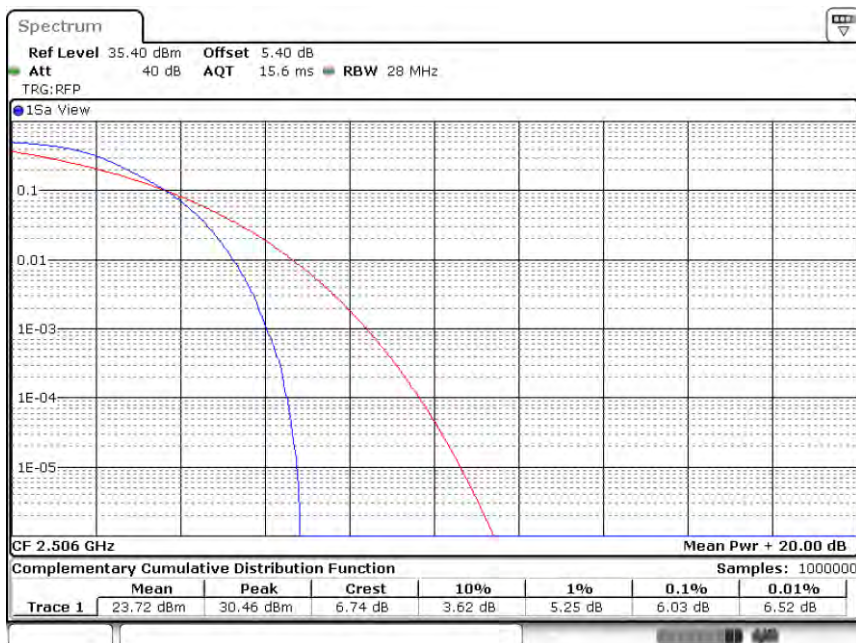


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

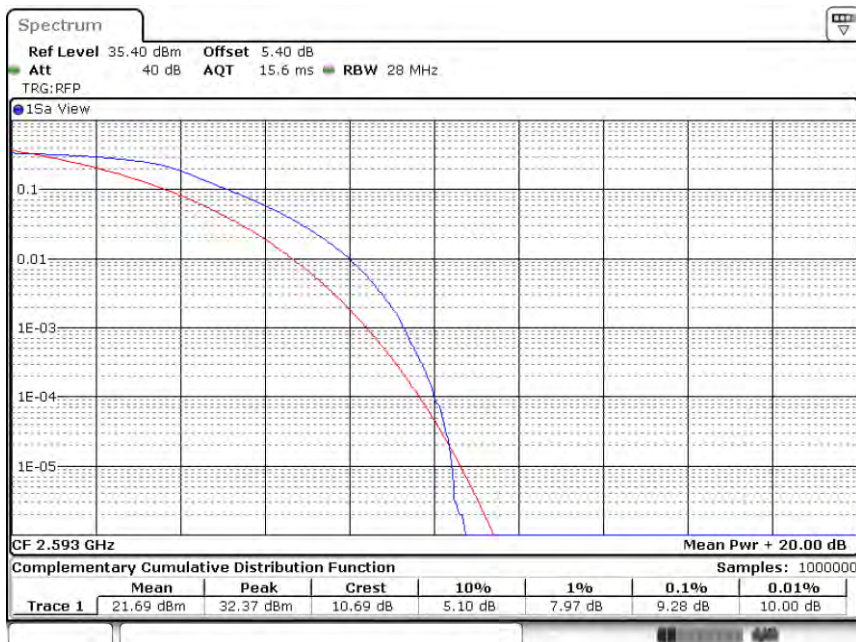
2.2. Test Plots

Band41-20MHz-QPSK-39750-100RB#0



Date: 28.MAY.2021 00:21:08

Band41-20MHz-QPSK-40620-100RB#0



Date: 28.MAY.2021 00:21:31



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.

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

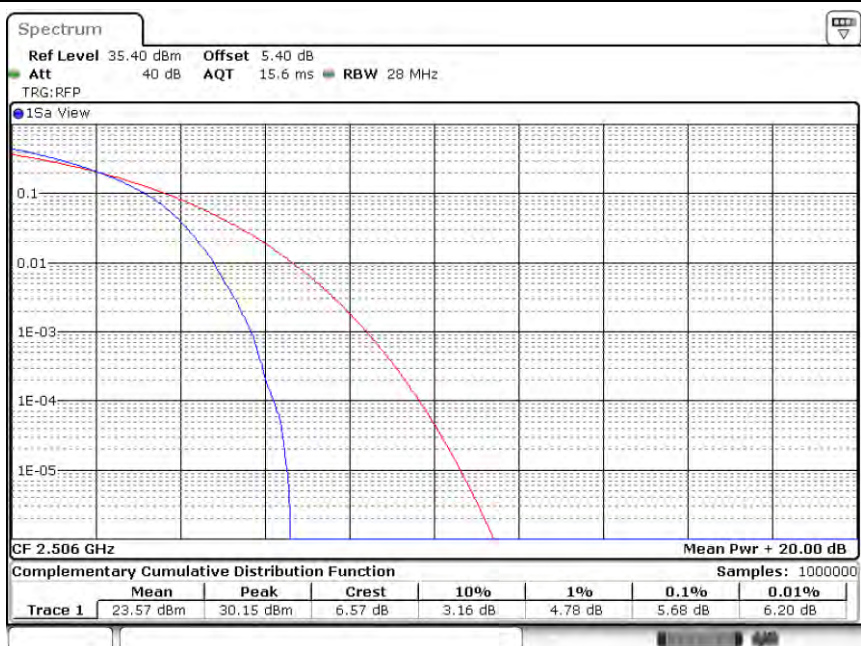


Band41-20MHz-QPSK-41490-100RB#0



Date: 28.MAY.2021 00:21:54

Band41-20MHz-64QAM-39750-100RB#0



Date: 28.MAY.2021 01:51:44



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.

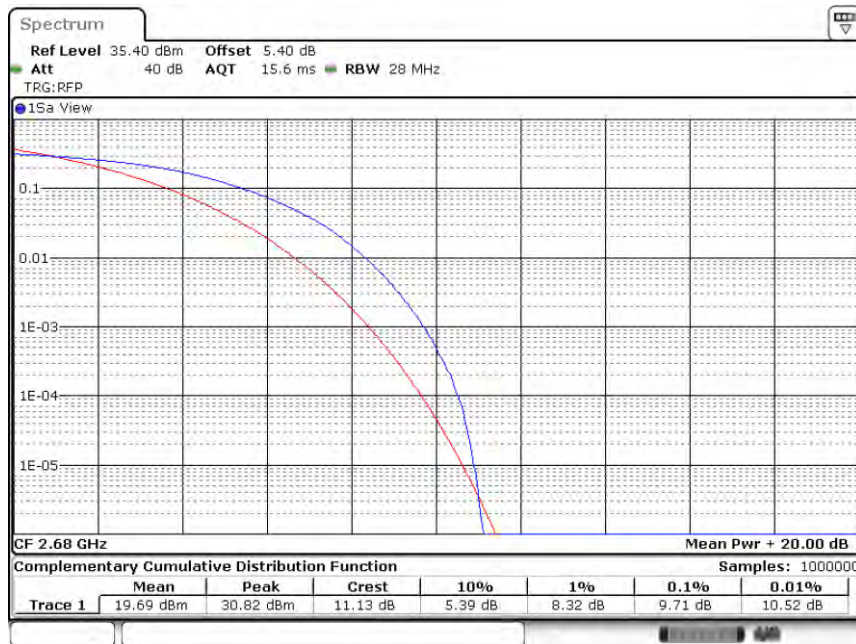
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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-40620-100RB#0



Date: 28.MAY.2021 01:51:56

Band41-20MHz-64QAM-41490-100RB#0



Date: 28.MAY.2021 01:52:07

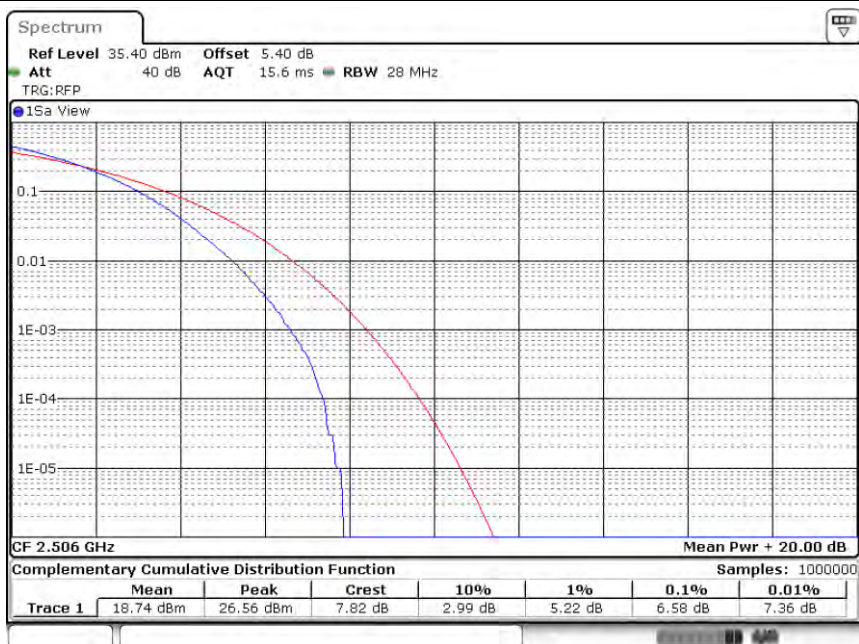


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

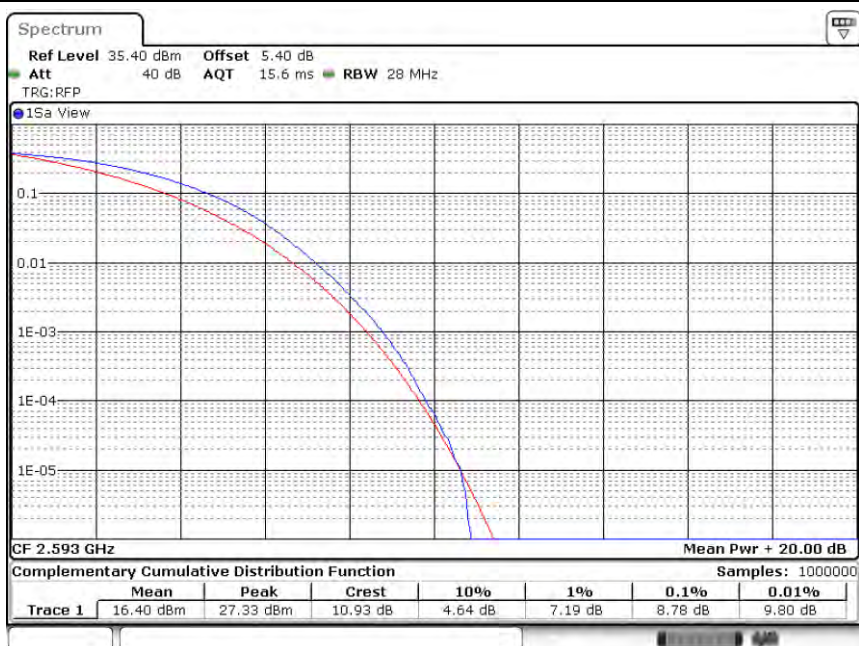


Band41-20MHz-256QAM-39750-100RB#0



Date: 7.MAY.2021 02:30:17

Band41-20MHz-256QAM-40620-100RB#0



Date: 7.MAY.2021 02:30:28

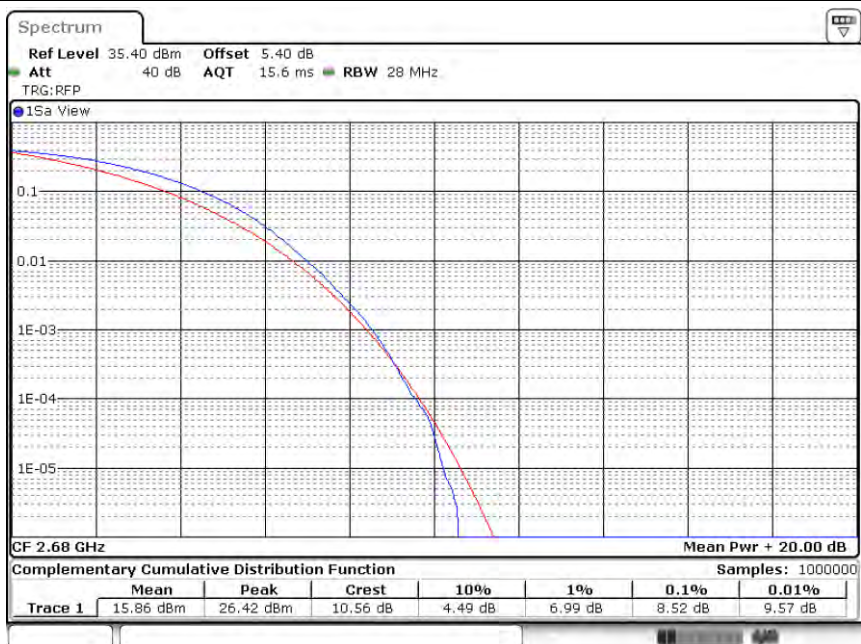


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

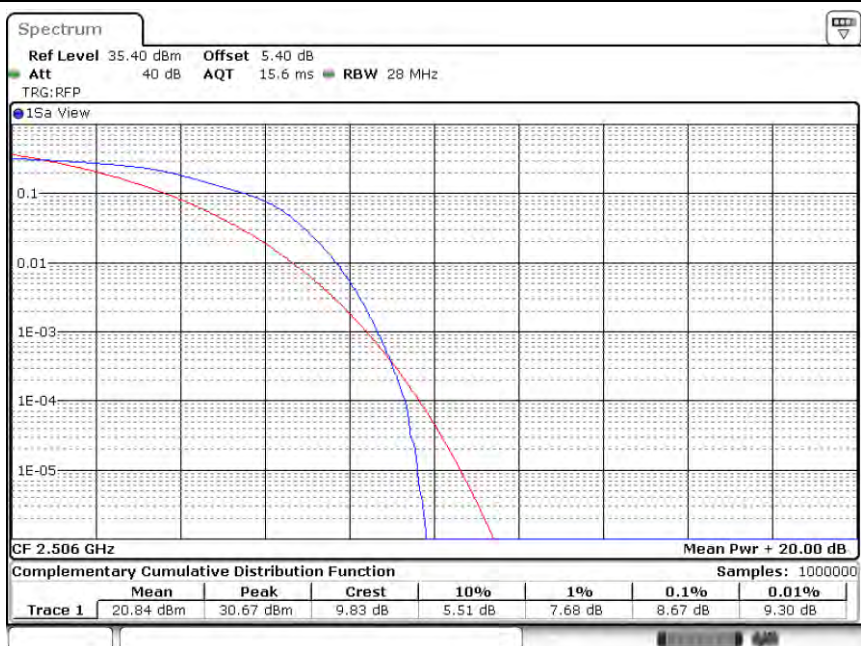


Band41-20MHz-256QAM-41490-100RB#0



Date: 7.MAY.2021 02:30:40

Band41-20MHz-16QAM-39750-100RB#0



Date: 28.MAY.2021 00:21:20

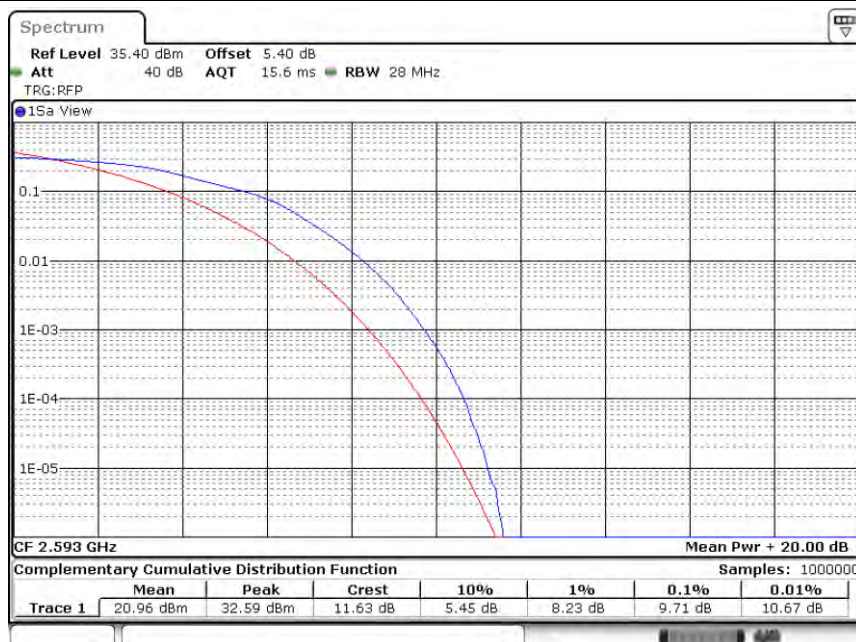


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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
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-40620-100RB#0



Date: 28.MAY.2021 00:21:42

Band41-20MHz-16QAM-41490-100RB#0



Date: 28.MAY.2021 00:22:05

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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

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

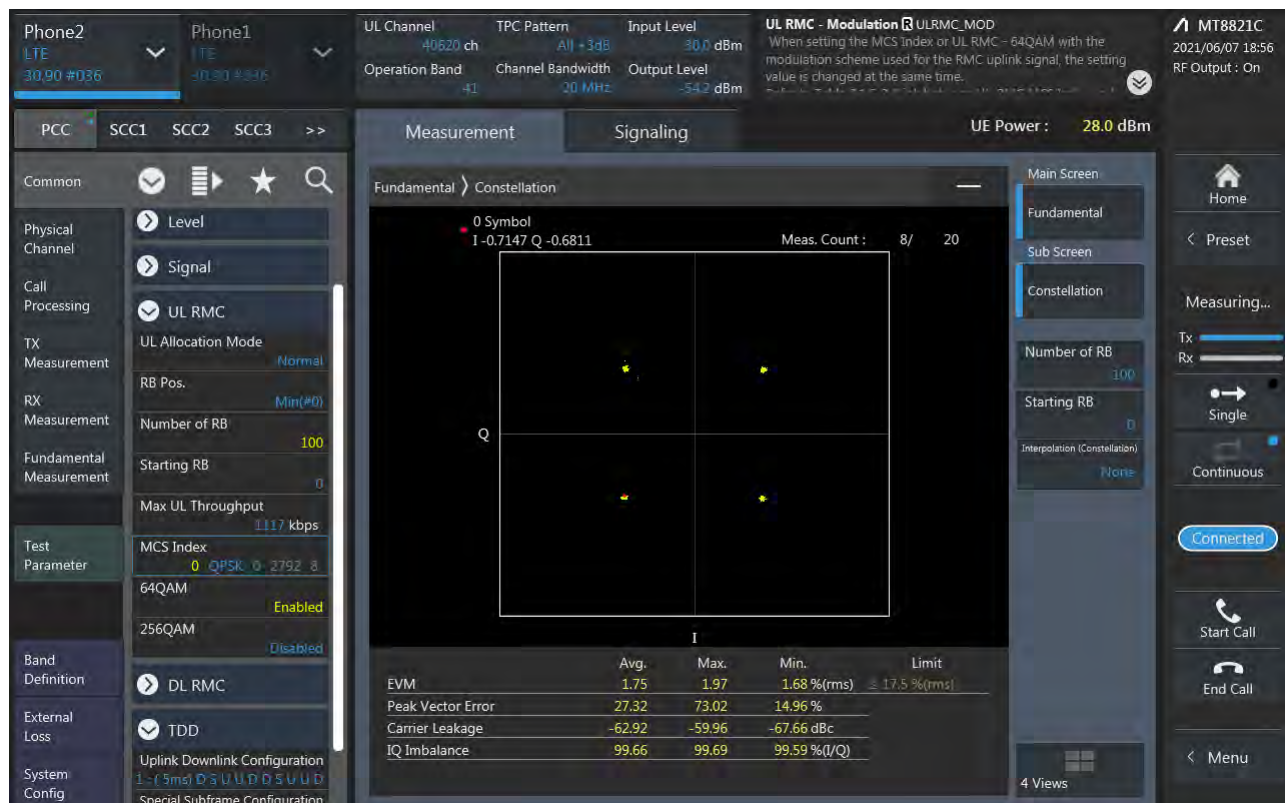
Member of the SGS Group (SGS SA)



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

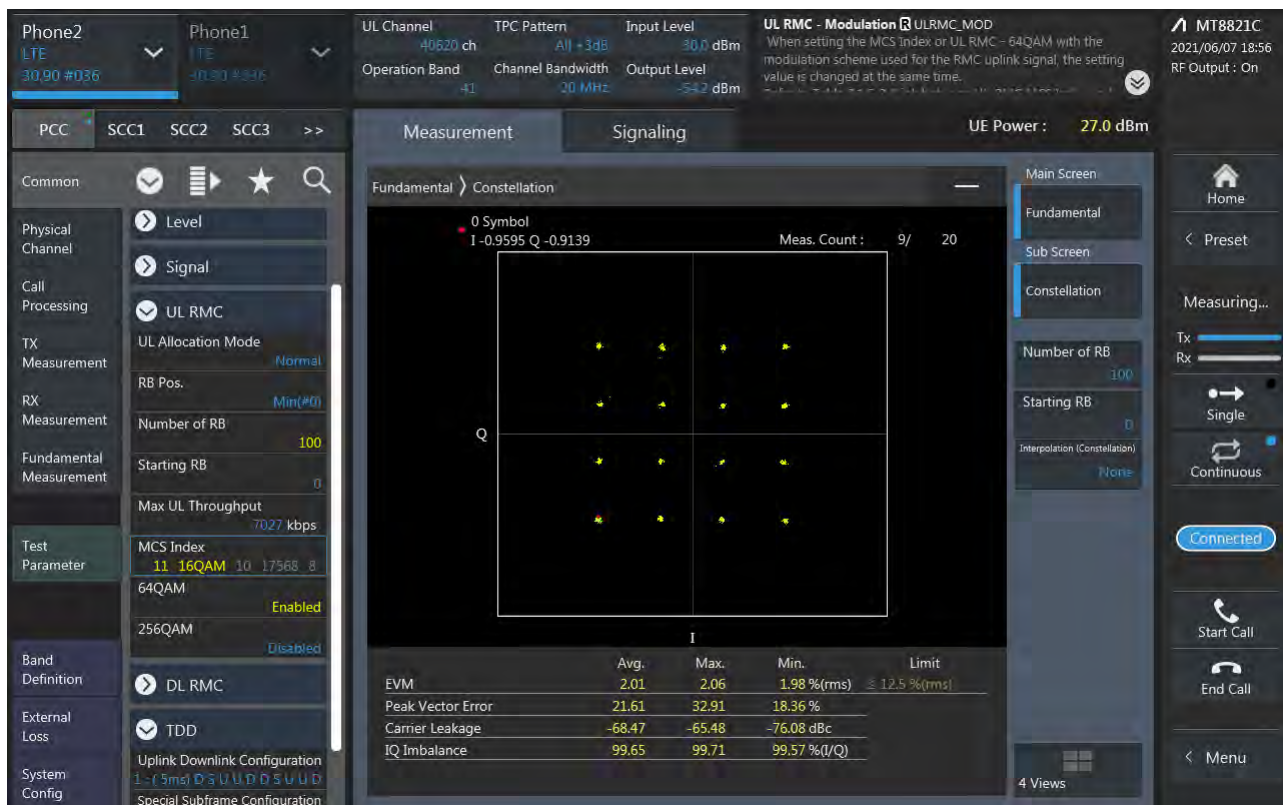
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

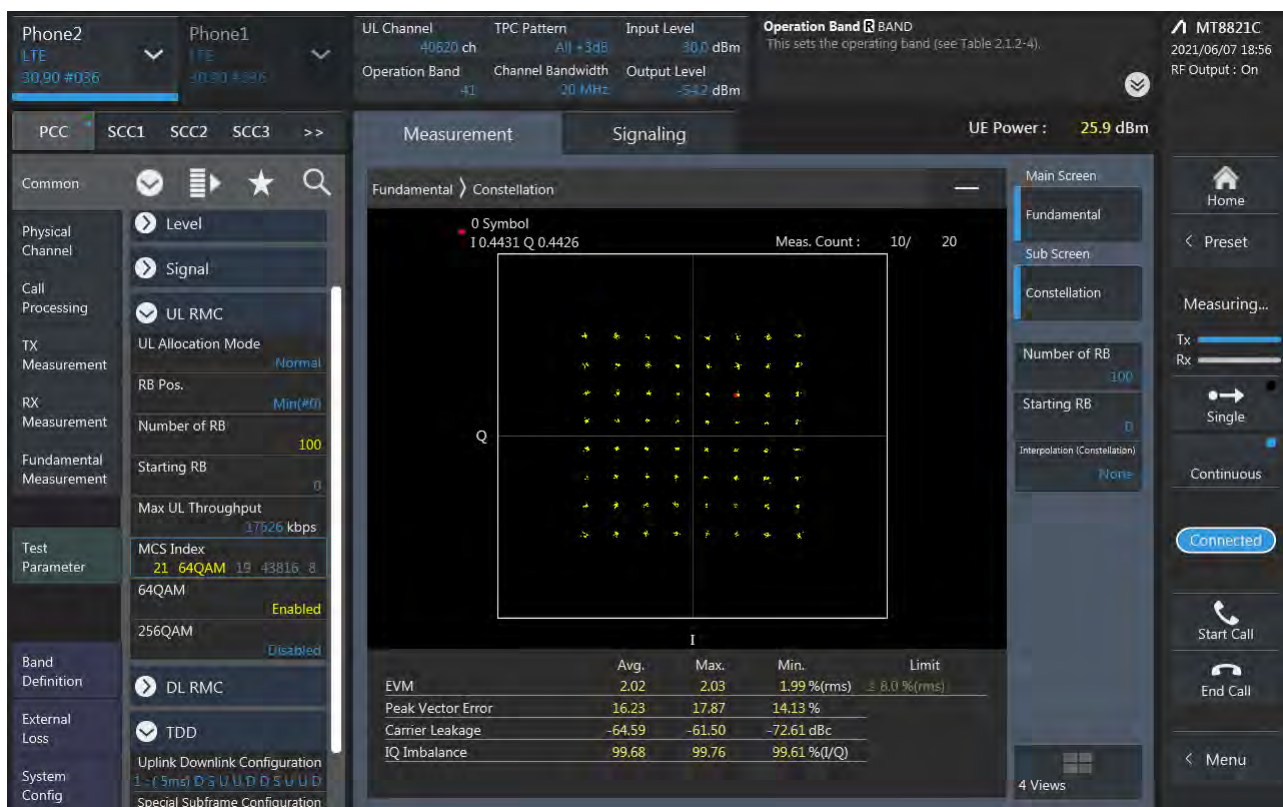
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

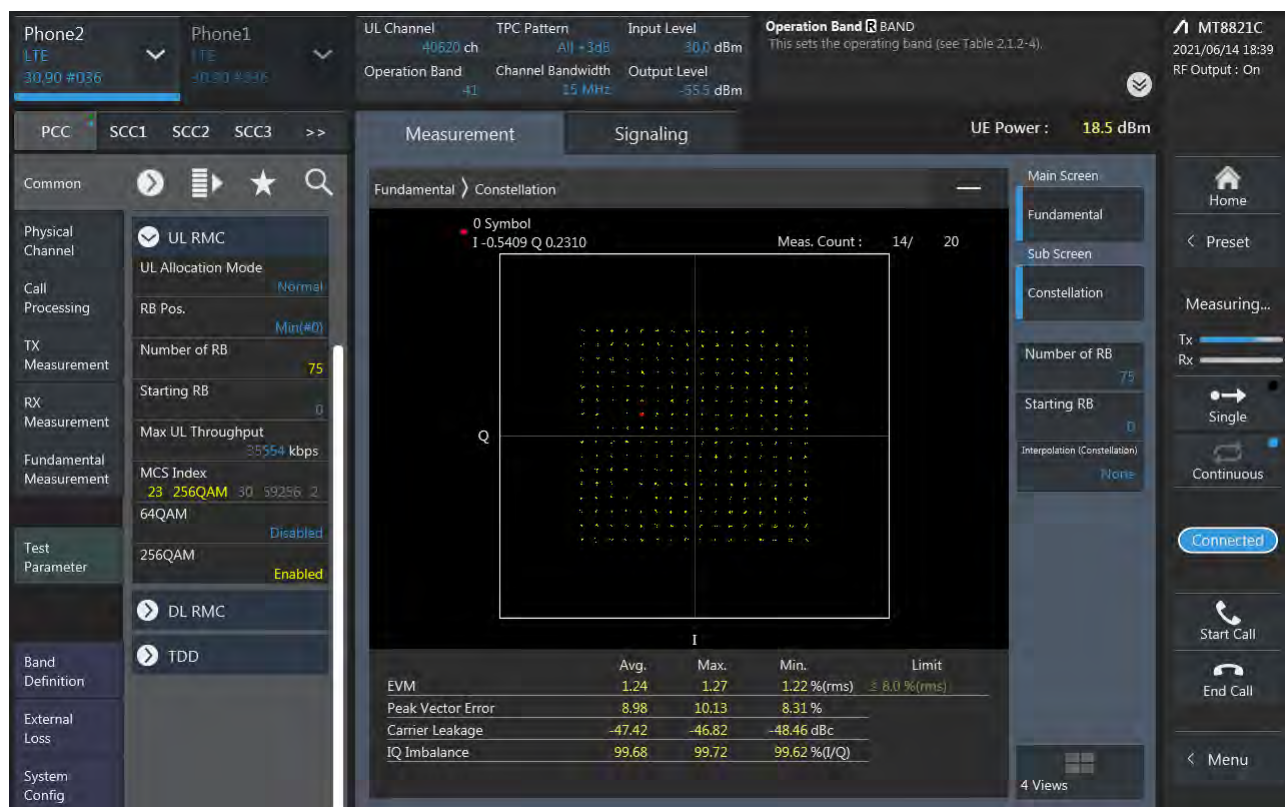
3.3.1. Test Channel = MCH





3.4. Test Mode = LTE /TM4 20MHz

3.4.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.476	4.950	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	4.840	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	4.840	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.476	4.830	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.486	4.830	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.476	4.850	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.466	4.850	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.466	4.890	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.466	4.900	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	5.000	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.486	5.010	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.640	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.911	9.680	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.911	9.580	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.951	9.900	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.931	9.880	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.931	9.900	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.951	9.940	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.951	9.740	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.931	9.740	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.931	9.820	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.931	9.760	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.911	9.760	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.487	15.090	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.487	15.570	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.457	15.030	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.457	14.880	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.457	15.060	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.427	14.970	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.487	14.850	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	256QAM	40620	75RB#0	13.487	14.820	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.487	15.390	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.457	14.880	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.457	15.300	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.457	14.850	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.902	19.640	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.902	19.880	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.902	19.840	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.862	19.360	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.902	19.640	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.862	19.320	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.862	20.320	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.862	20.160	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.902	20.240	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.862	19.320	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.862	19.360	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.902	19.480	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

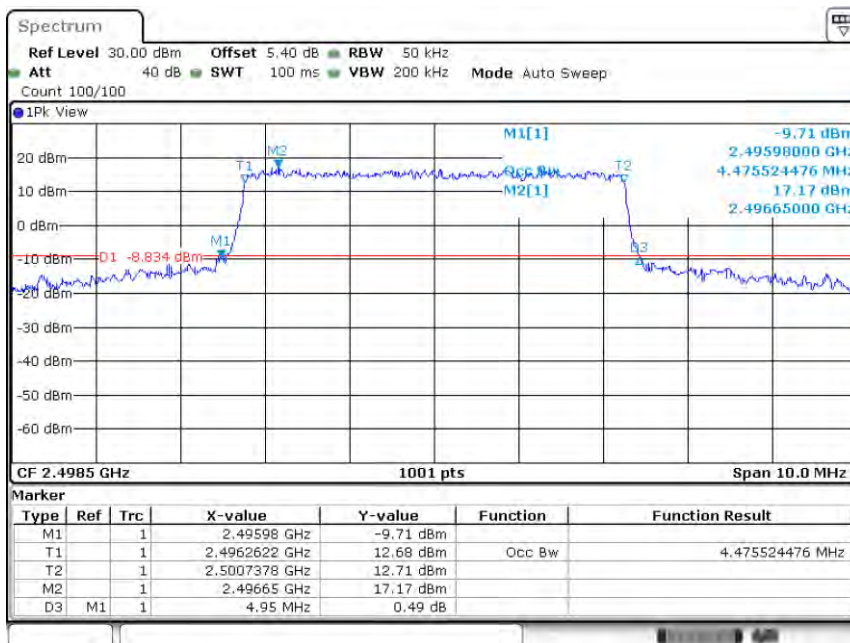
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Testing Laboratory

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



4.2. Test Plots

Band41-5MHz-QPSK-39675-25RB#0-4.476



Date: 28.MAY.2021 01:48:52



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.

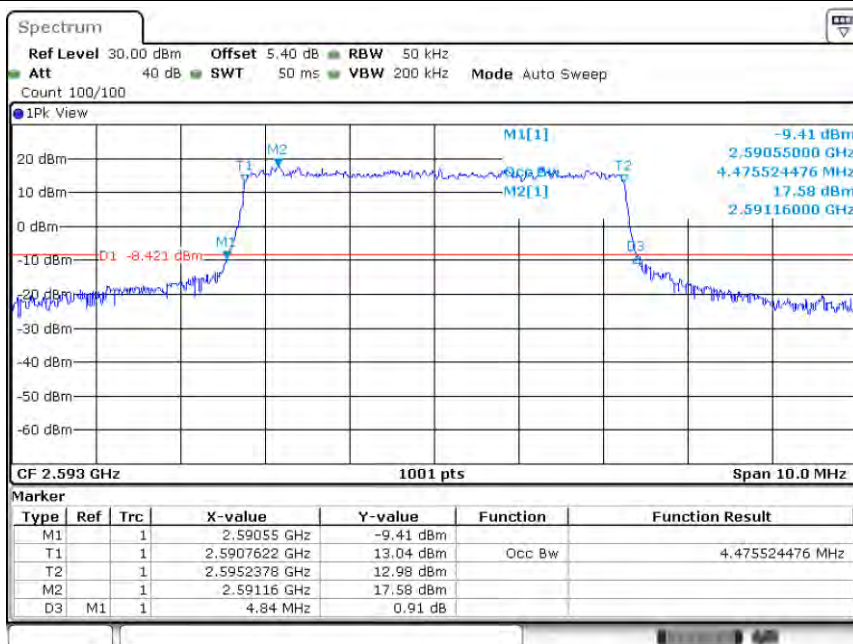
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

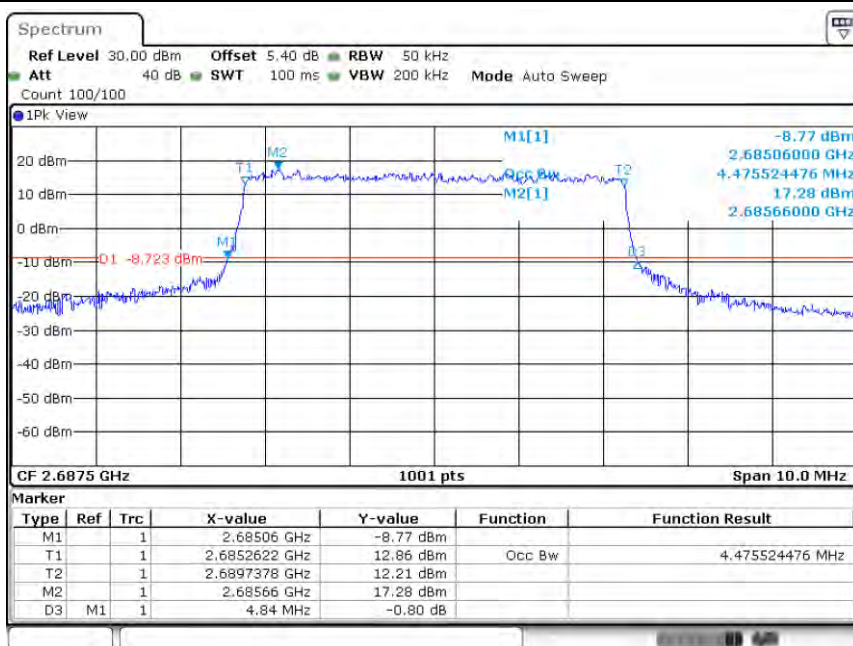
Member of the SGS Group (SGS SA)

Band41-5MHz-QPSK-40620-25RB#0-4.476



Date: 28 MAY 2021 01:49:56

Band41-5MHz-QPSK-41565-25RB#0-4.476

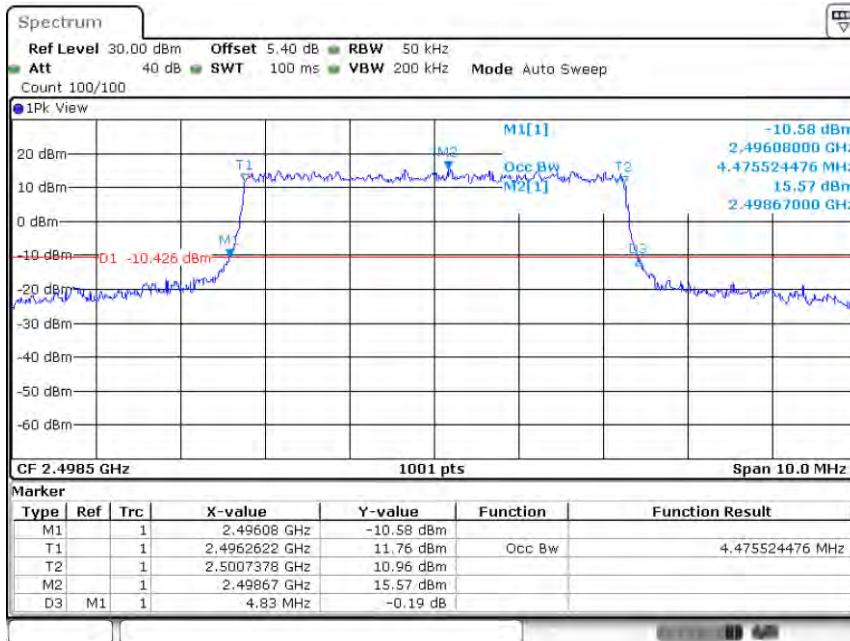


Date: 28 MAY 2021 01:51:08



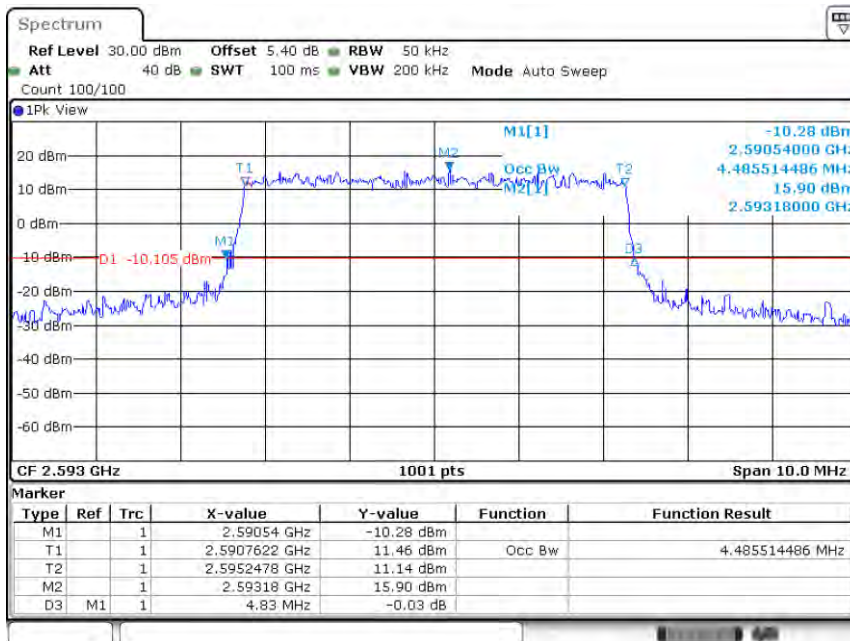


Band41-5MHz-64QAM-39675-25RB#0-4.476



Date: 28 MAY.2021 00:38:50

Band41-5MHz-64QAM-40620-25RB#0-4.486



Date: 28 MAY.2021 00:39:10



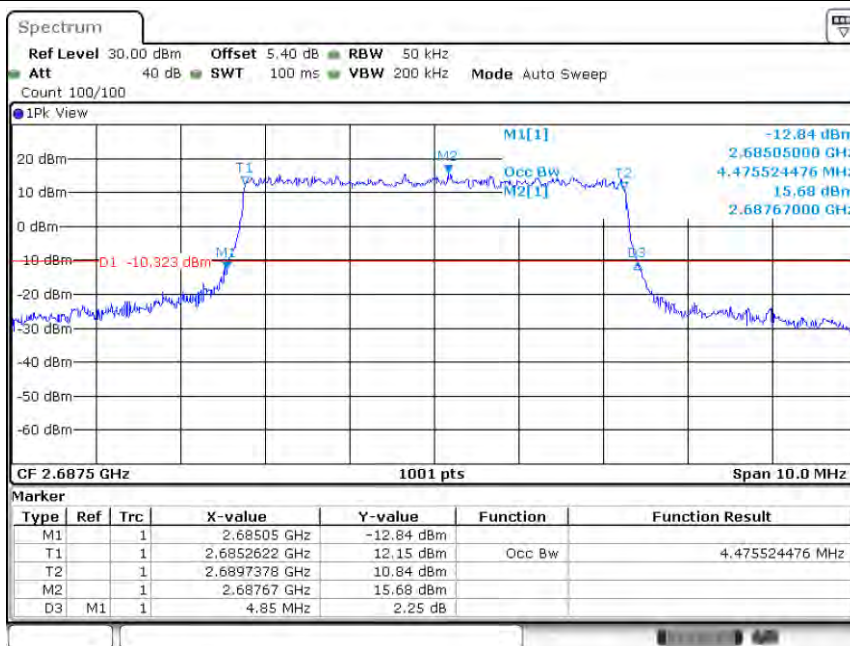
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

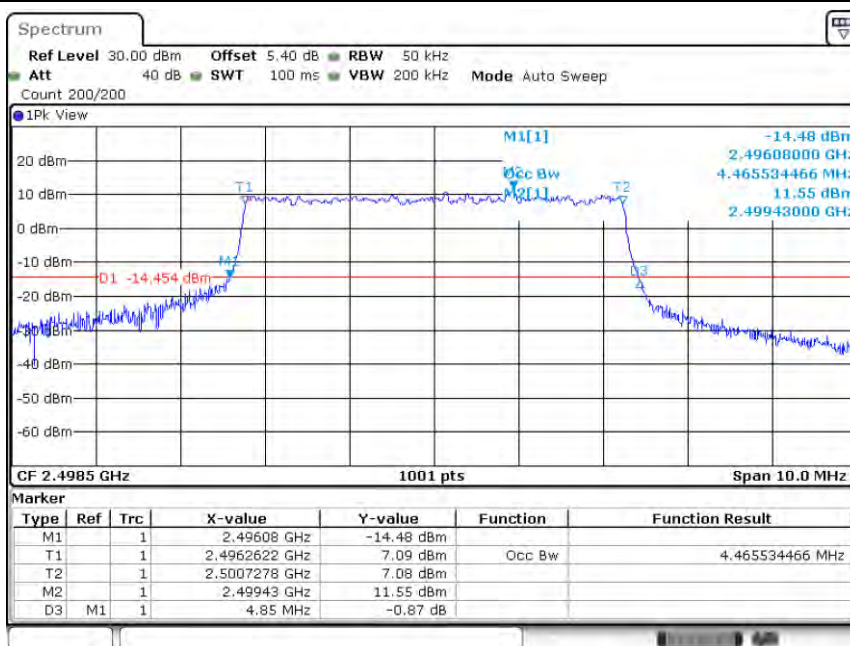


Band41-5MHz-64QAM-41565-25RB#0-4.476



Date: 28.MAY.2021 00:39:30

Band41-5MHz-256QAM-39675-25RB#0-4.466



Date: 7.MAY.2021 02:21:25



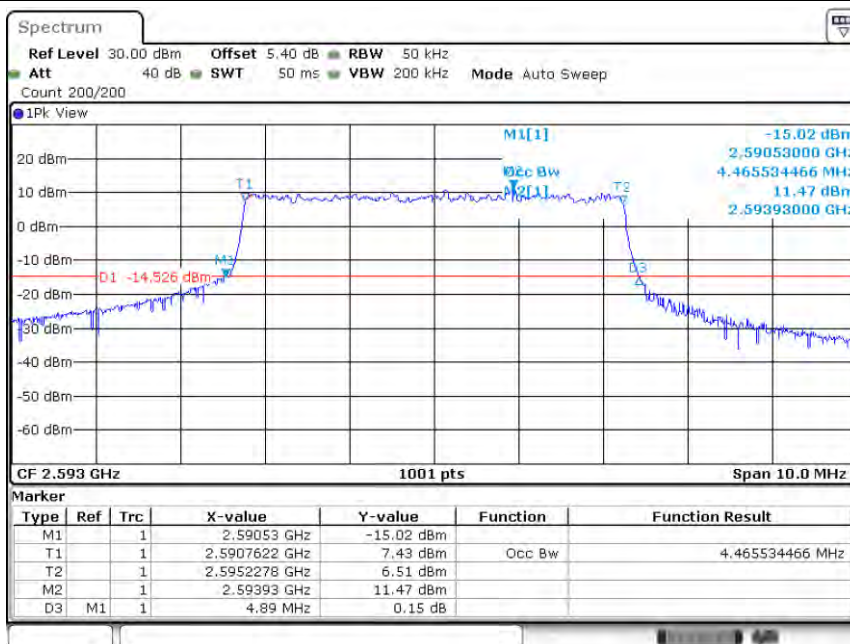
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

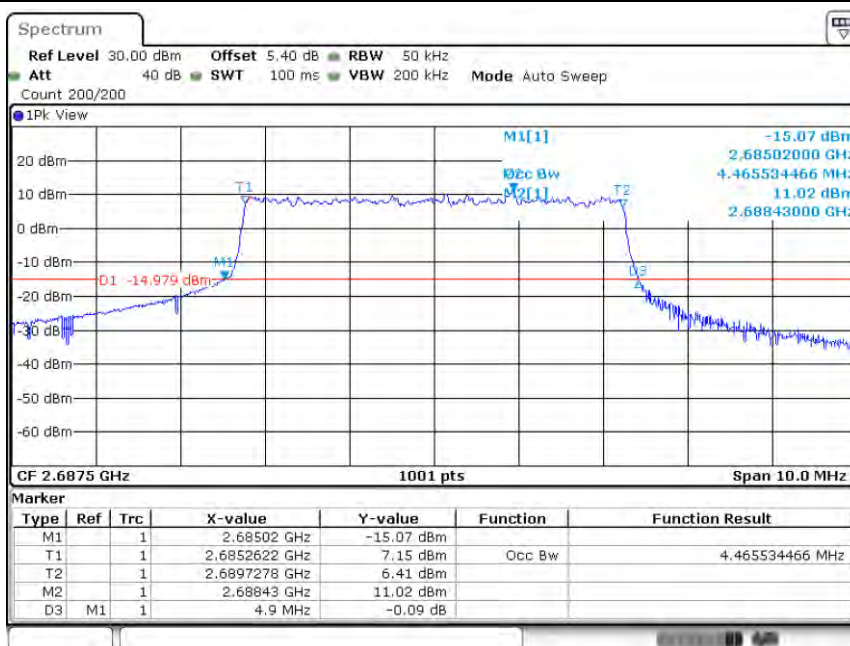


Band41-5MHz-256QAM-40620-25RB#0-4.466



Date: 7.MAY.2021 02:22:52

Band41-5MHz-256QAM-41565-25RB#0-4.466



Date: 7.MAY.2021 02:23:45

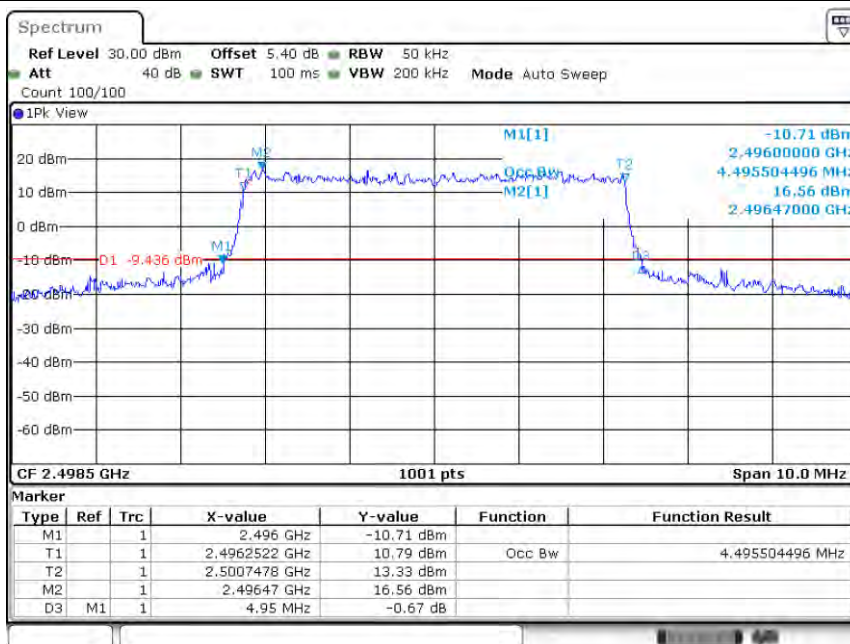


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

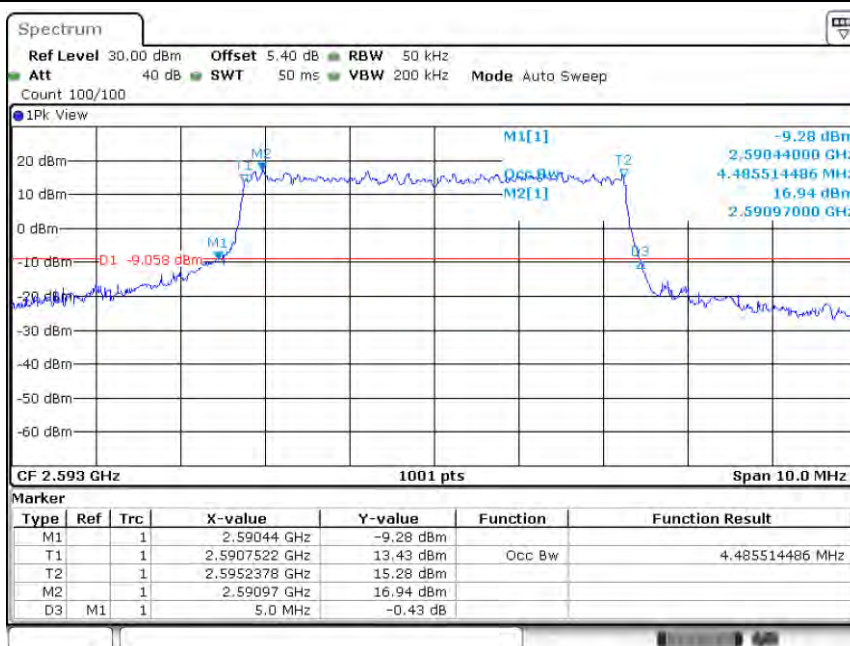


Band41-5MHz-16QAM-39675-25RB#0-4.496



Date: 28 MAY.2021 01:49:12

Band41-5MHz-16QAM-40620-25RB#0-4.486



Date: 28 MAY.2021 01:50:47

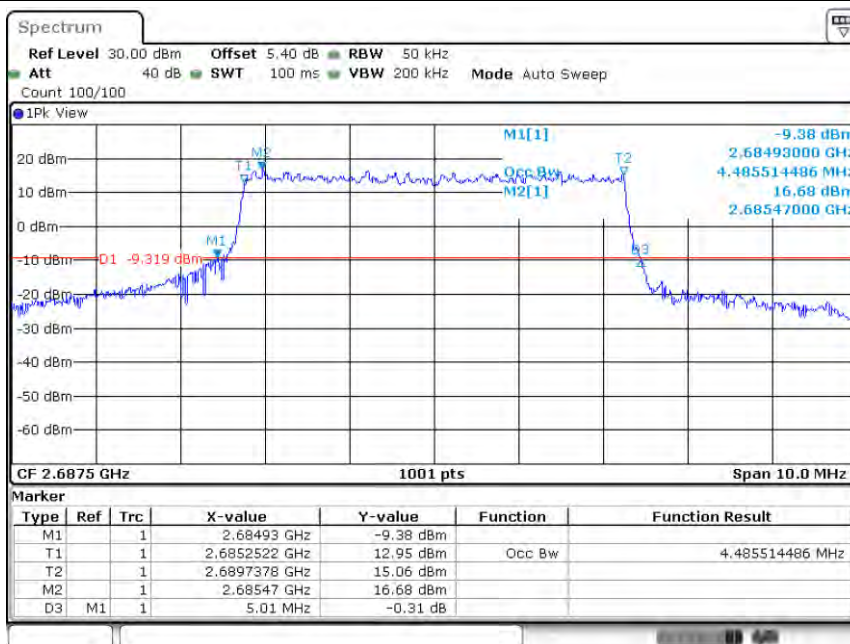


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

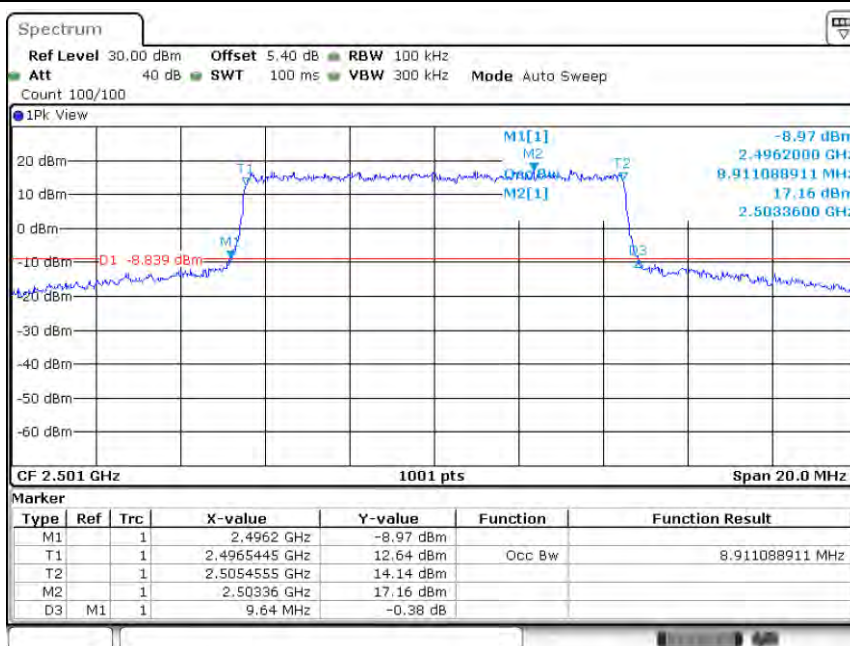


Band41-5MHz-16QAM-41565-25RB#0-4.486



Date: 28 MAY 2021 01:51:27

Band41-10MHz-QPSK-39700-50RB#0-8.911



Date: 28 MAY 2021 00:32:38

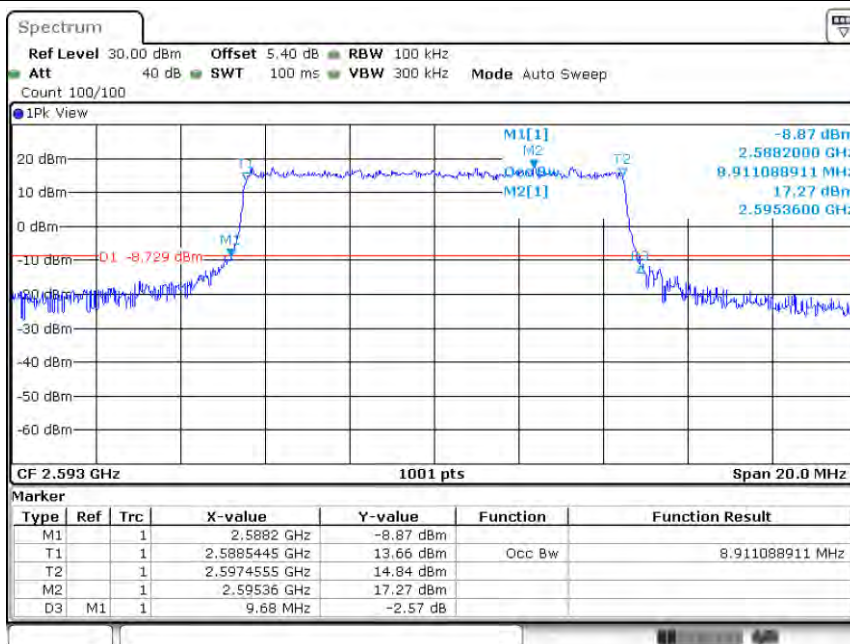


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

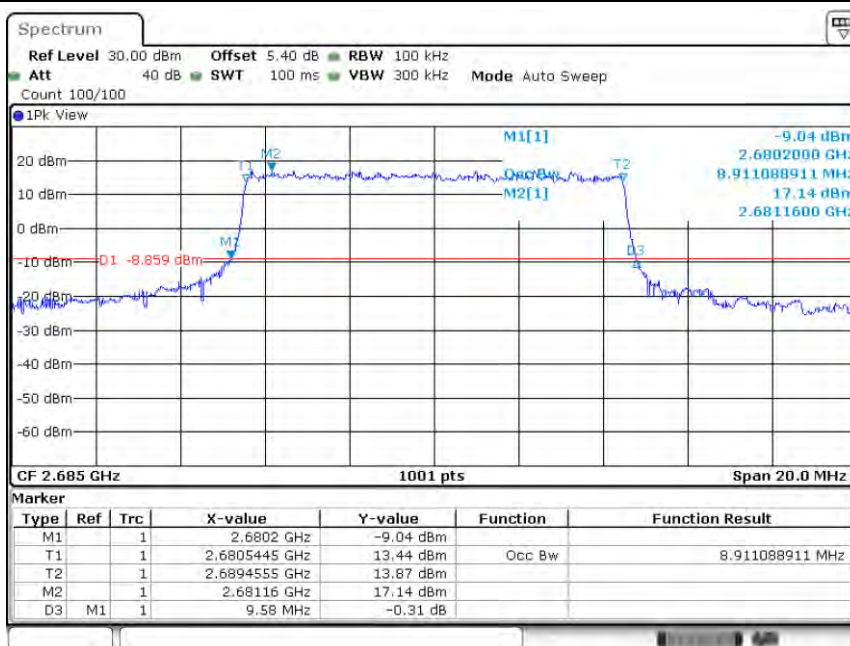


Band41-10MHz-QPSK-40620-50RB#0-8.911



Date: 28 MAY.2021 00:33:17

Band41-10MHz-QPSK-41540-50RB#0-8.911



Date: 28 MAY.2021 00:33:57

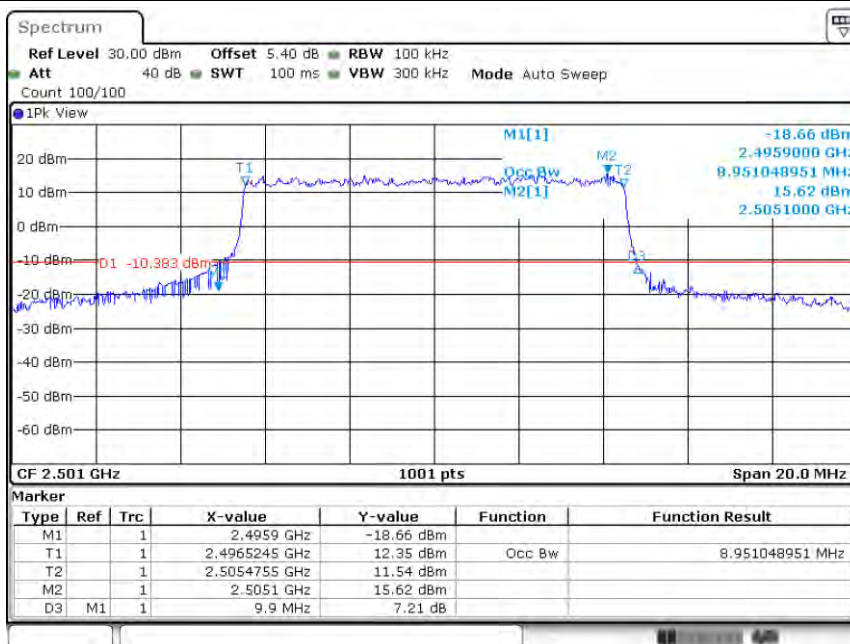


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

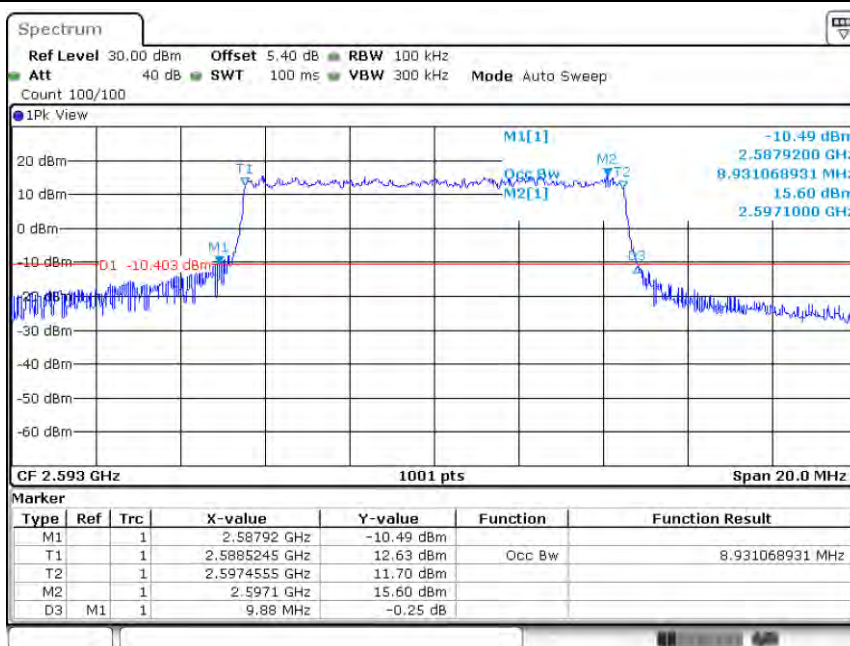


Band41-10MHz-64QAM-39700-50RB#0-8.951



Date: 28 MAY.2021 00:39:56

Band41-10MHz-64QAM-40620-50RB#0-8.931



Date: 28 MAY.2021 00:40:16

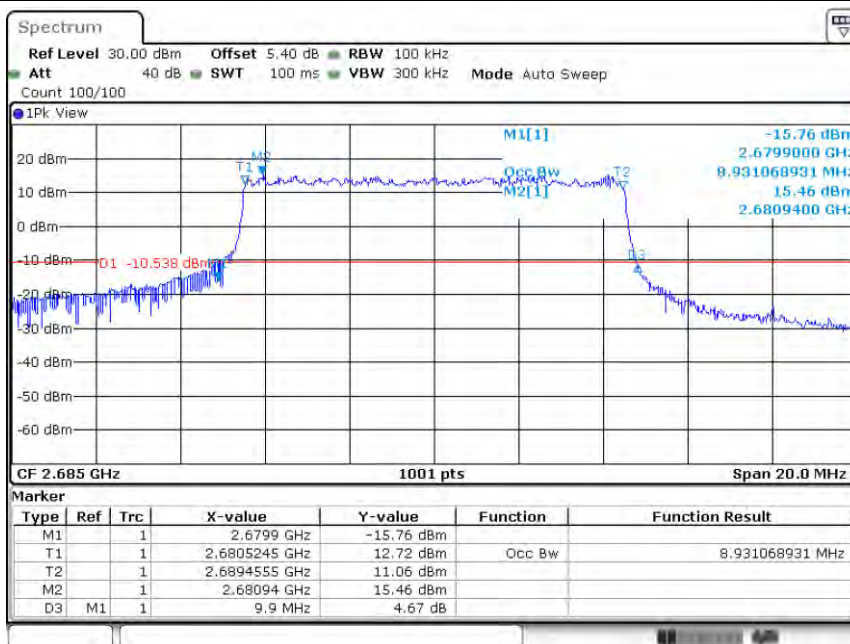


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

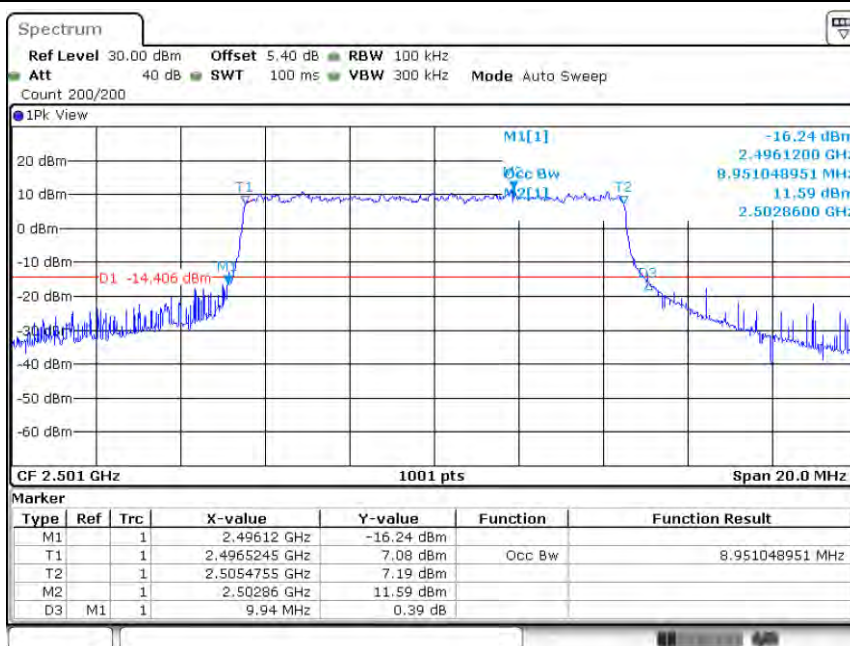


Band41-10MHz-64QAM-41540-50RB#0-8.931



Date: 28.MAY.2021 00:40:39

Band41-10MHz-256QAM-39700-50RB#0-8.951

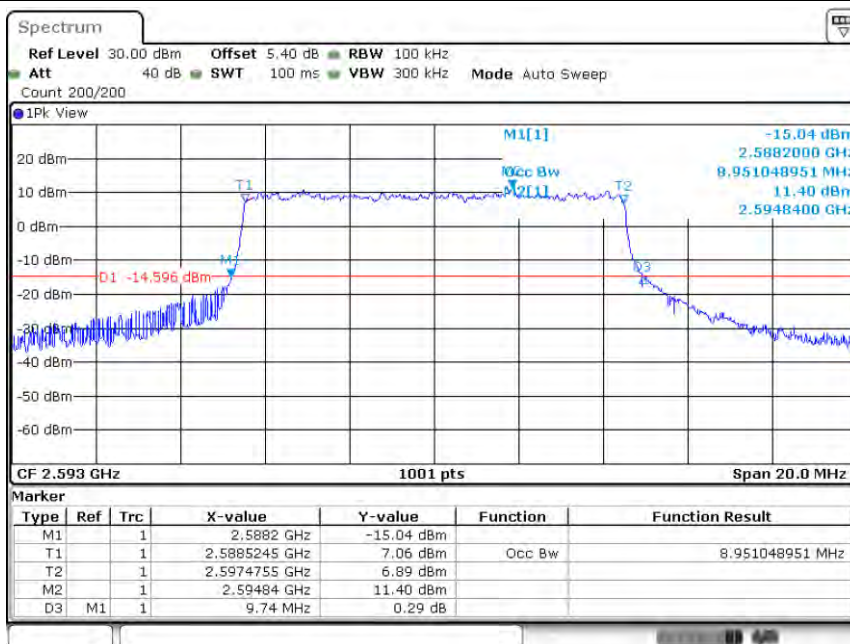


Date: 7.MAY.2021 02:24:30



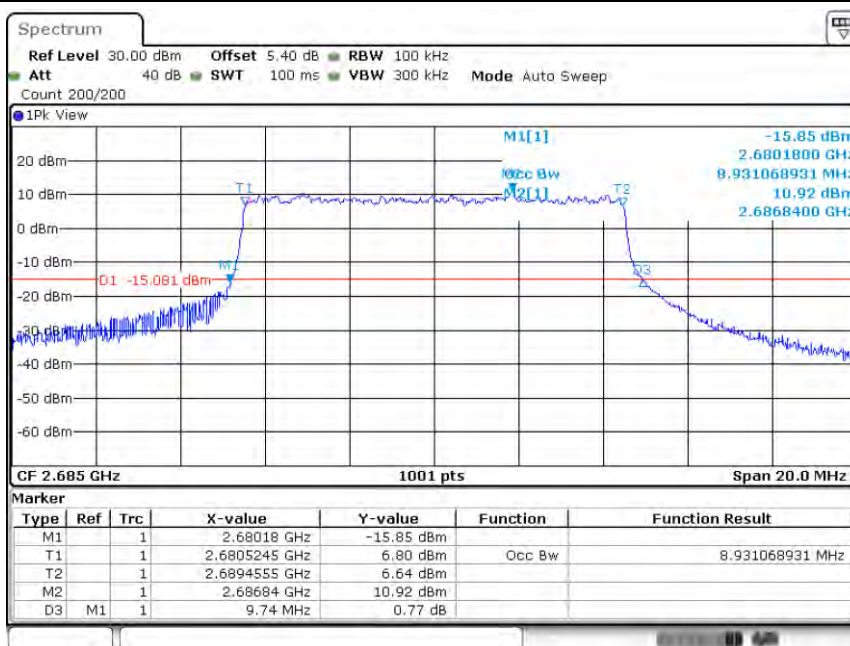


Band41-10MHz-256QAM-40620-50RB#0-8.951



Date: 7.MAY.2021 02:25:02

Band41-10MHz-256QAM-41540-50RB#0-8.931



Date: 7.MAY.2021 02:25:40



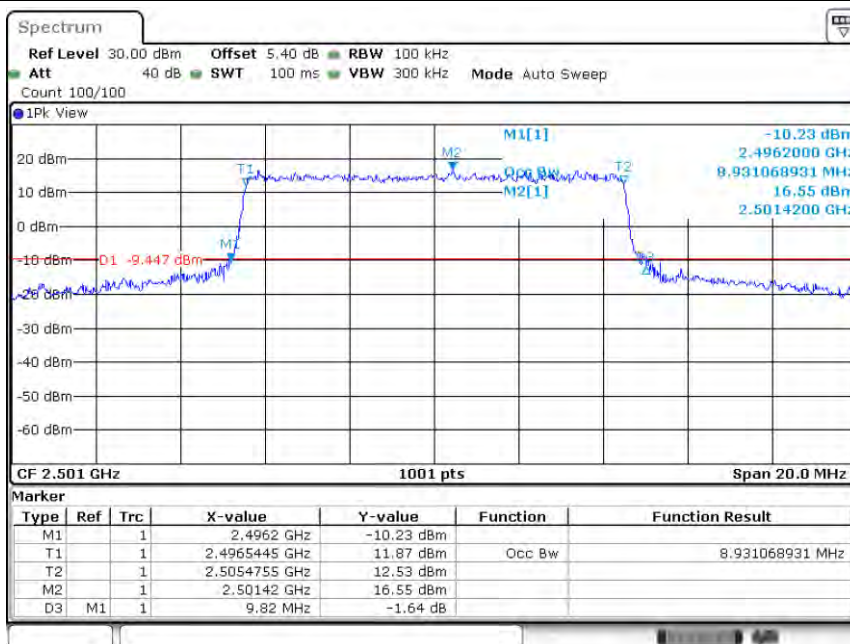
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

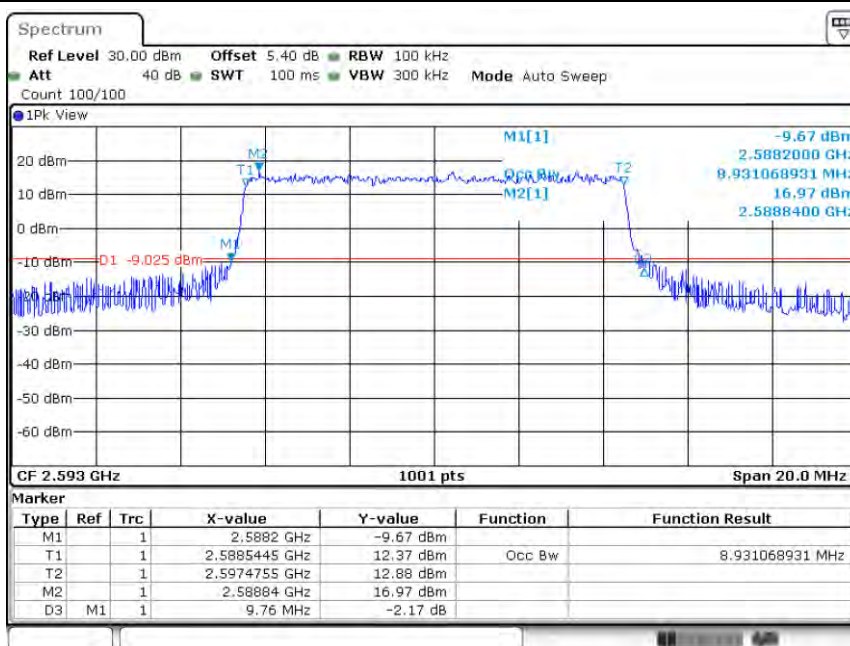


Band41-10MHz-16QAM-39700-50RB#0-8.931



Date: 28 MAY.2021 00:32:57

Band41-10MHz-16QAM-40620-50RB#0-8.931



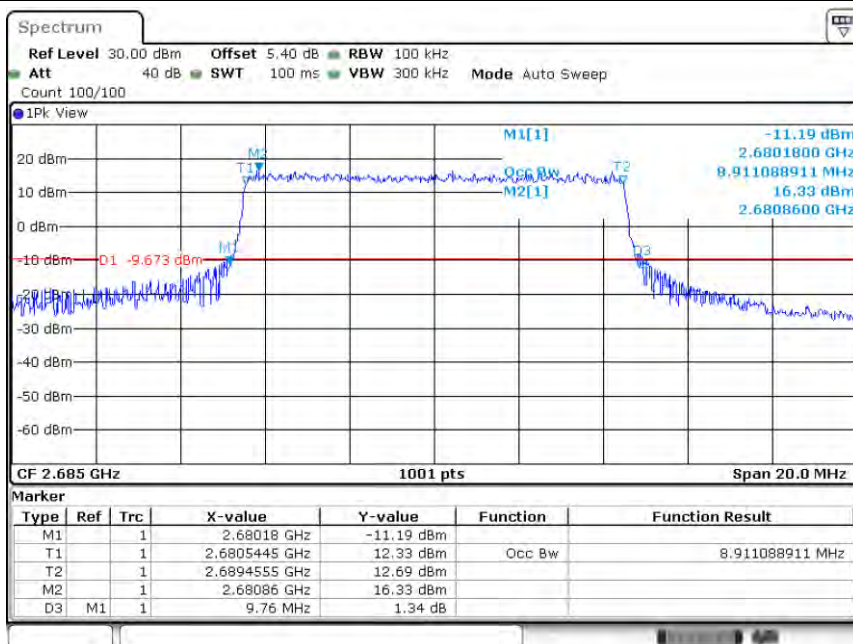
Date: 28 MAY.2021 00:33:37



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

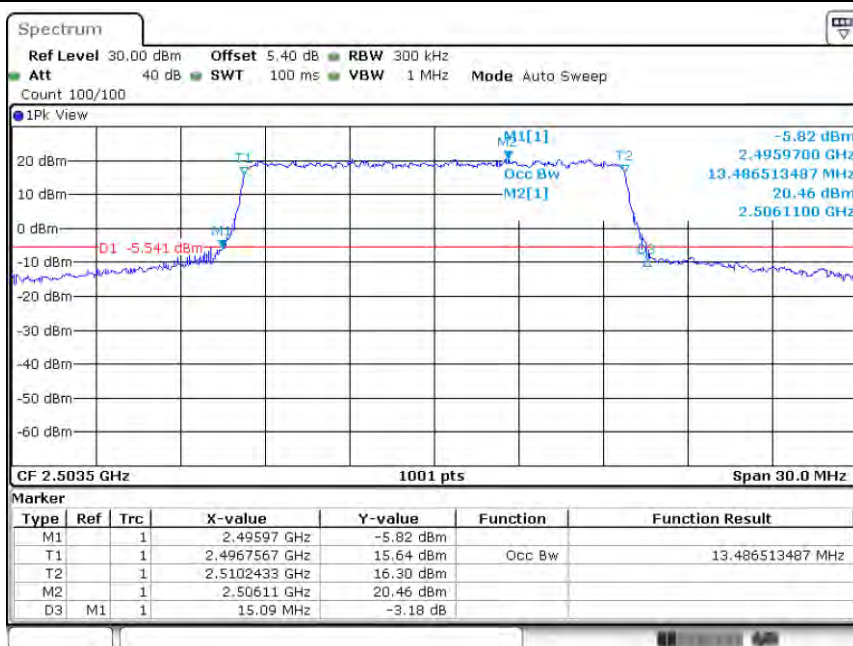
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band41-10MHz-16QAM-41540-50RB#0-8.911



Date: 28 MAY 2021 00:34:17

Band41-15MHz-QPSK-39725-75RB#0-13.487



Date: 28 MAY 2021 00:34:42



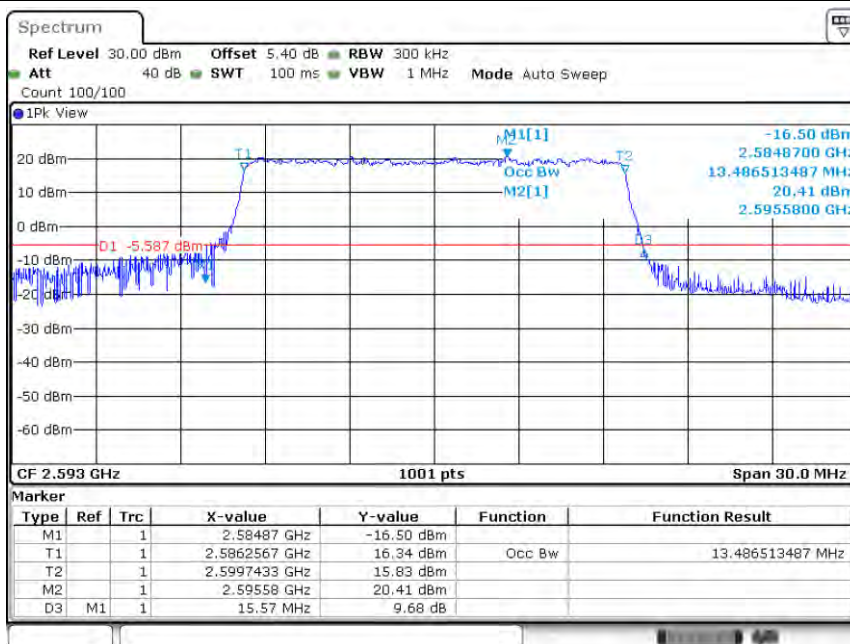
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) CMAA Laboratory

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

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

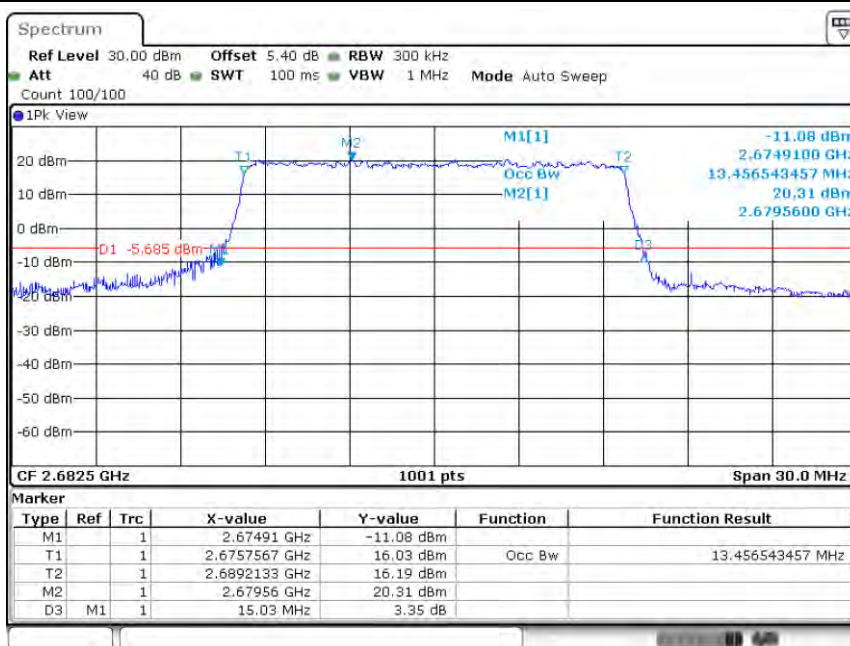


Band41-15MHz-QPSK-40620-75RB#0-13.487



Date: 28 MAY.2021 00:35:21

Band41-15MHz-QPSK-41515-75RB#0-13.457



Date: 28 MAY.2021 00:36:01

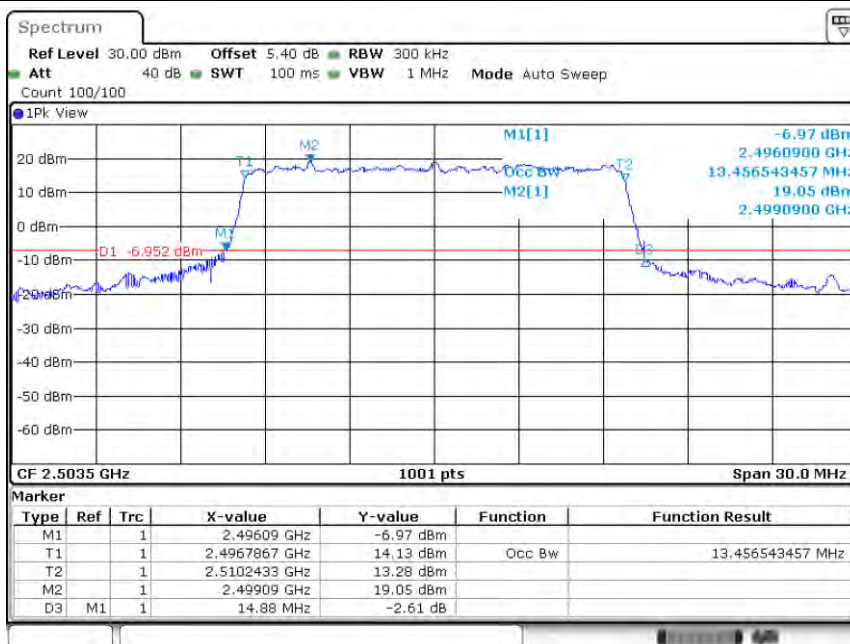


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

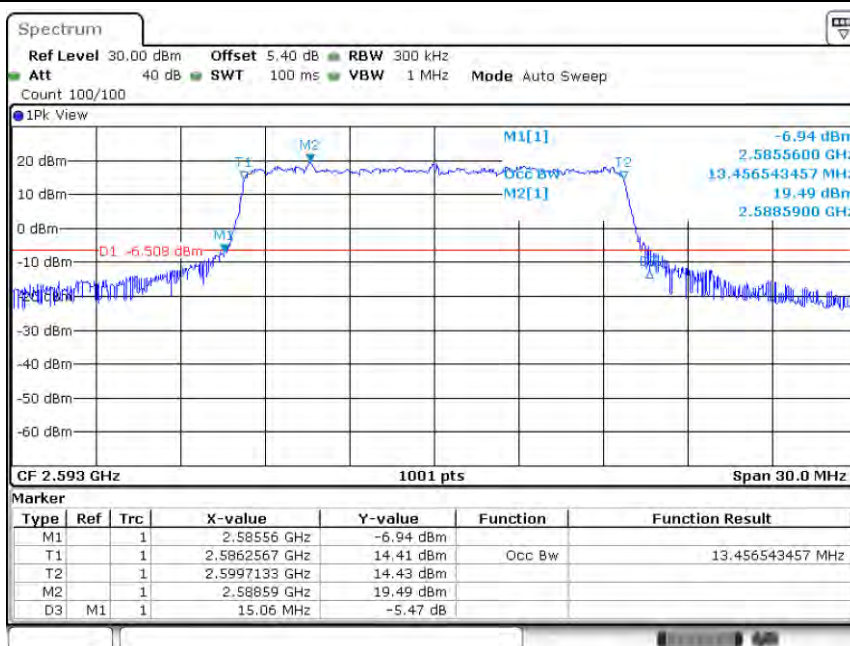


Band41-15MHz-64QAM-39725-75RB#0-13.457



Date: 28 MAY.2021 00:41:05

Band41-15MHz-64QAM-40620-75RB#0-13.457



Date: 28 MAY.2021 00:41:25

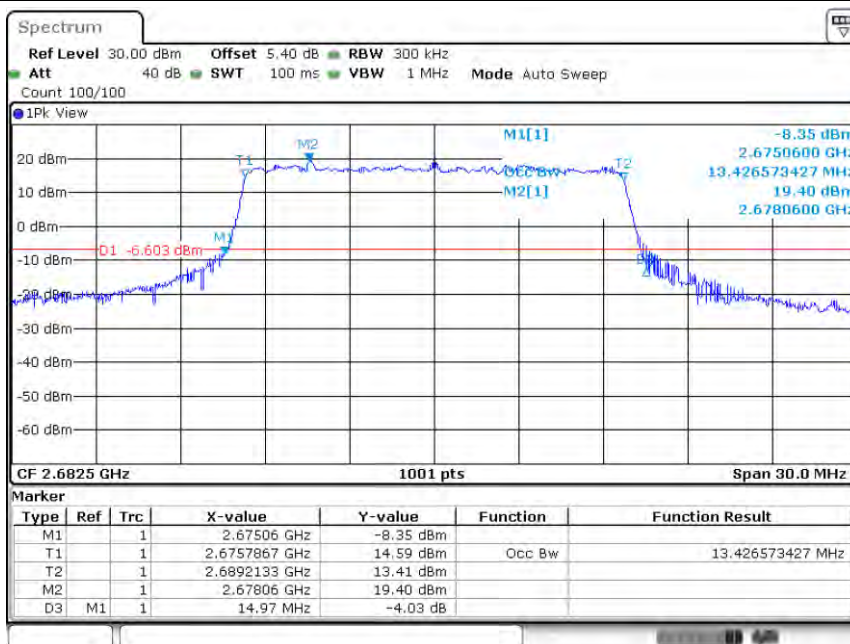


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

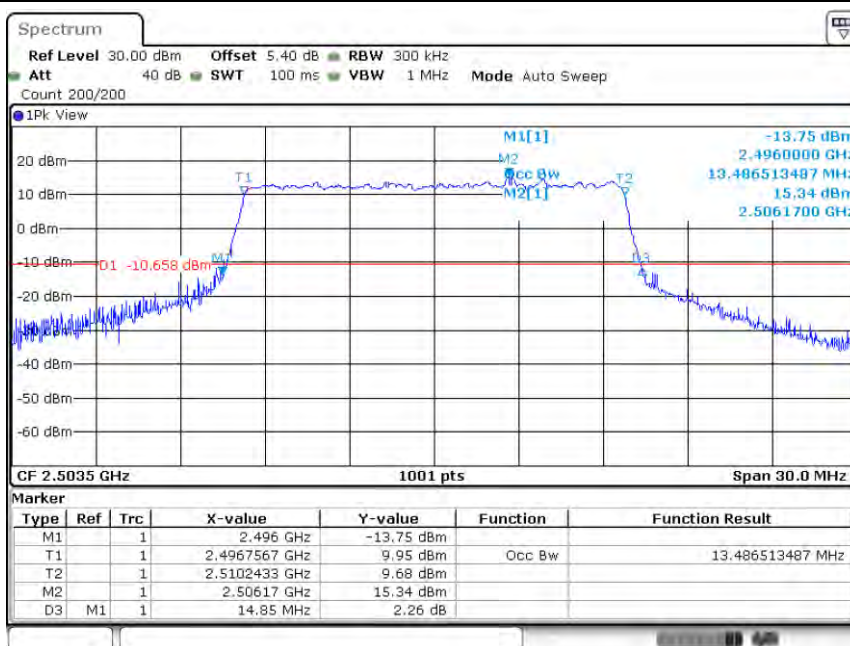


Band41-15MHz-64QAM-41515-75RB#0-13.427



Date: 28.MAY.2021 00:41:45

Band41-15MHz-256QAM-39725-75RB#0-13.487



Date: 7.MAY.2021 02:26:19



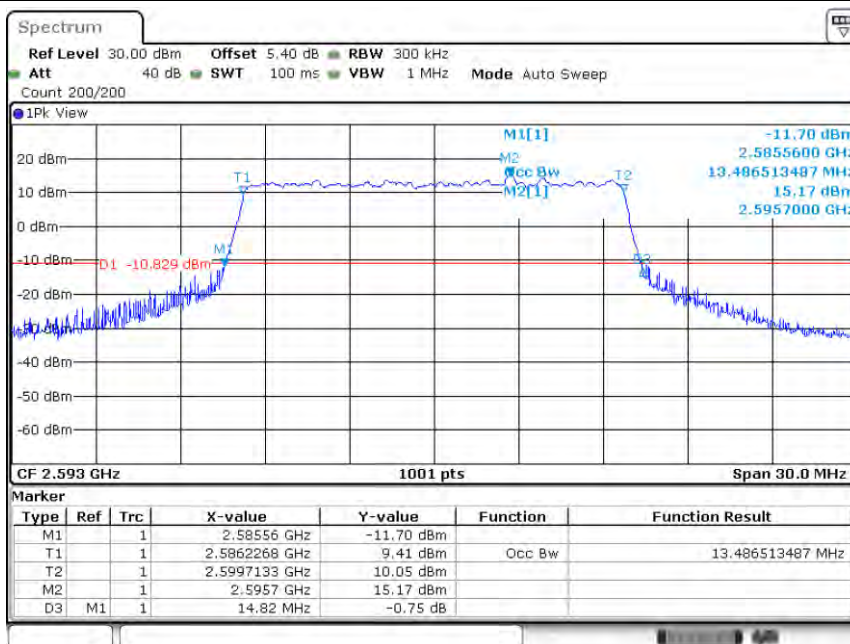
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

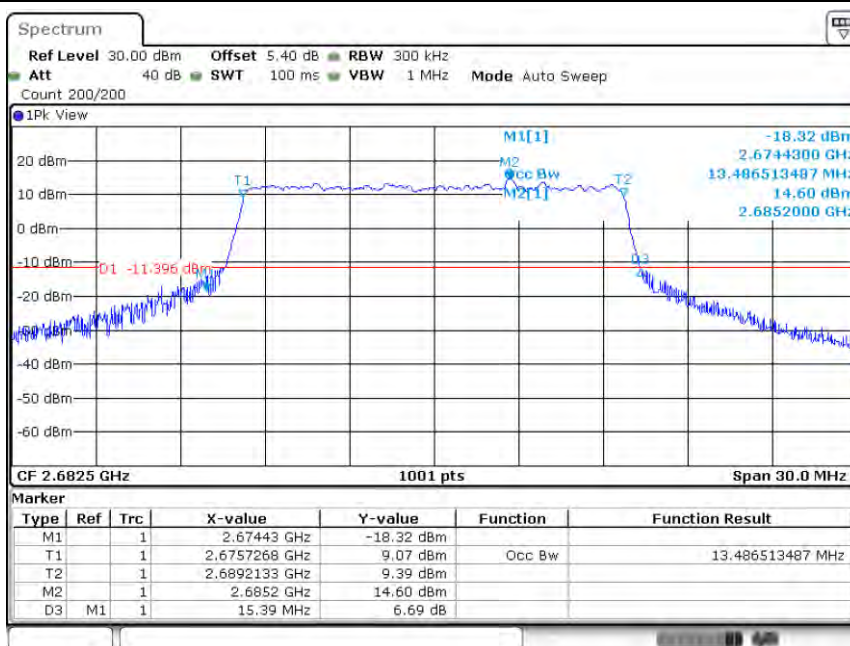


Band41-15MHz-256QAM-40620-75RB#0-13.487



Date: 7.MAY.2021 02:26:52

Band41-15MHz-256QAM-41515-75RB#0-13.487



Date: 7.MAY.2021 02:27:40



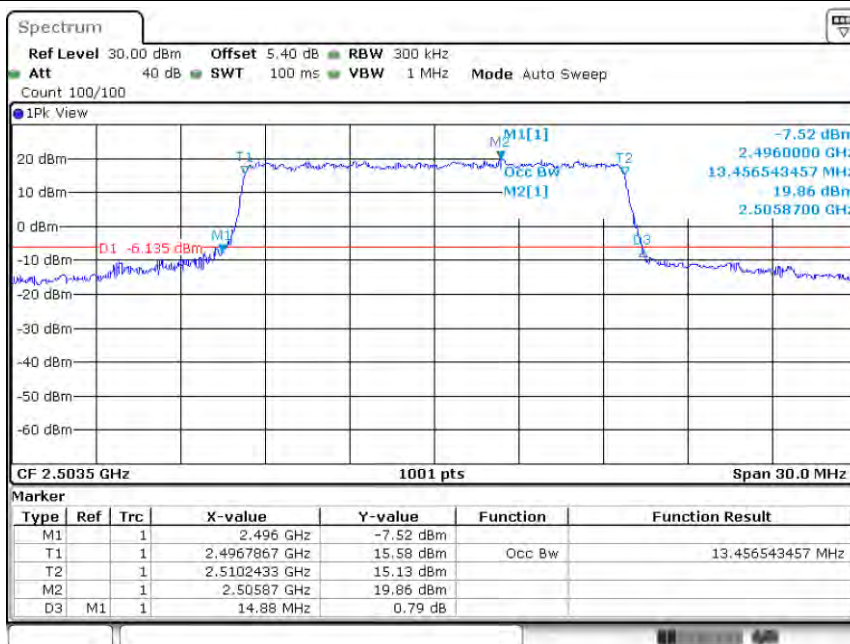
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

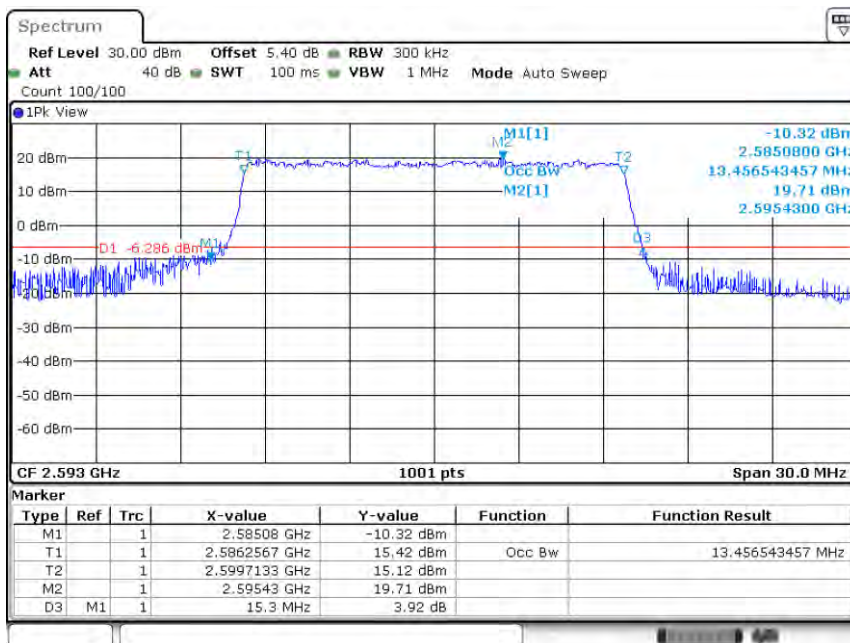


Band41-15MHz-16QAM-39725-75RB#0-13.457



Date: 28 MAY.2021 00:35:01

Band41-15MHz-16QAM-40620-75RB#0-13.457



Date: 28 MAY.2021 00:35:41

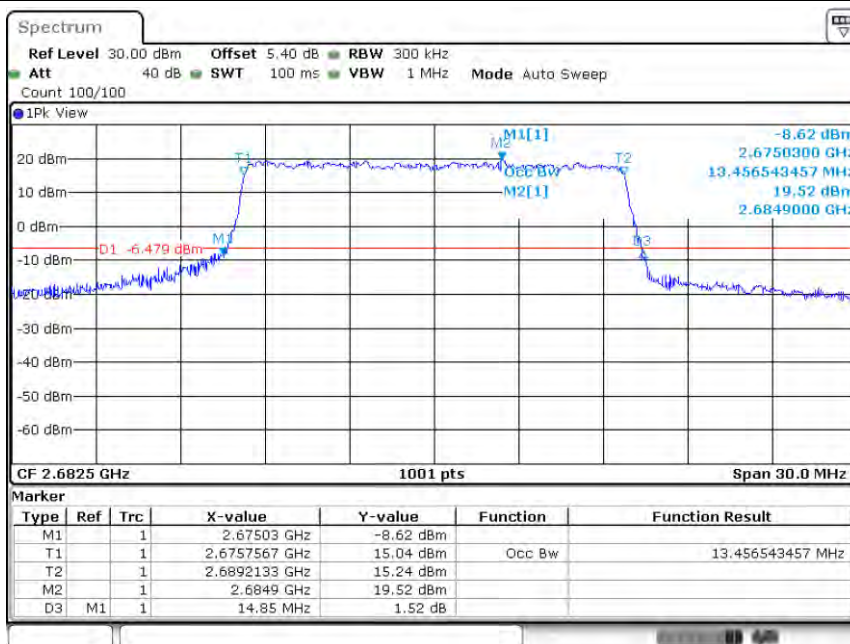


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

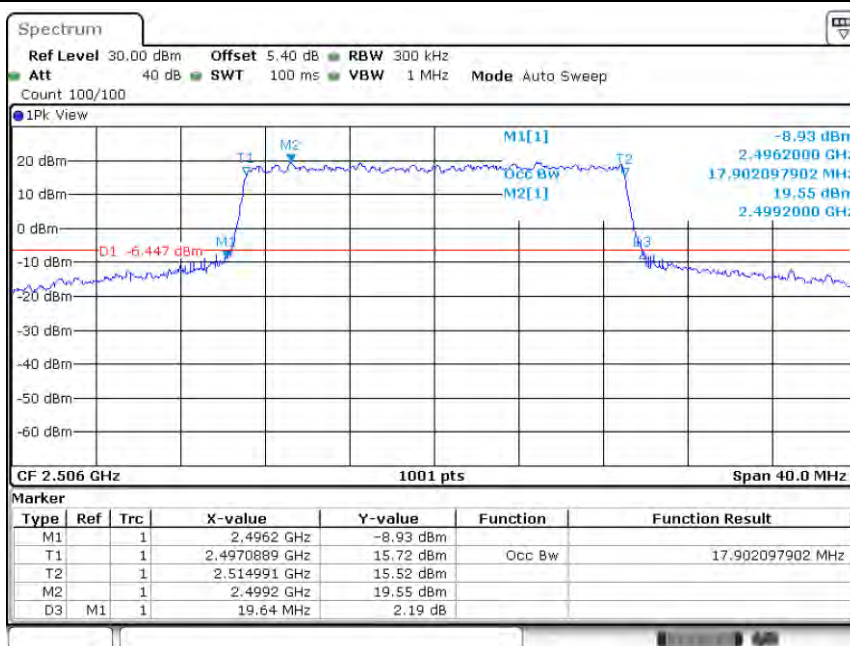


Band41-15MHz-16QAM-41515-75RB#0-13.457



Date: 28 MAY.2021 00:36:21

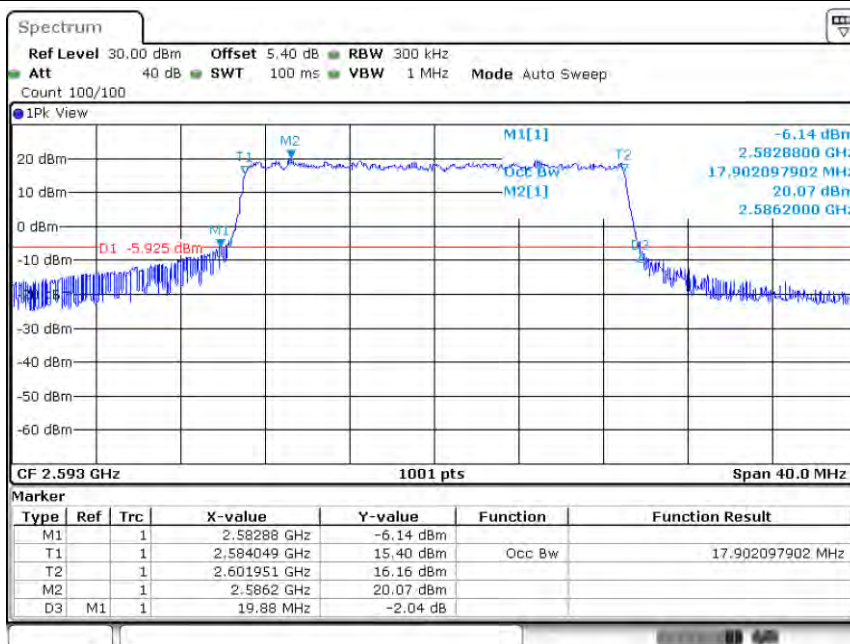
Band41-20MHz-QPSK-39750-100RB#0-17.902



Date: 28 MAY.2021 00:36:46

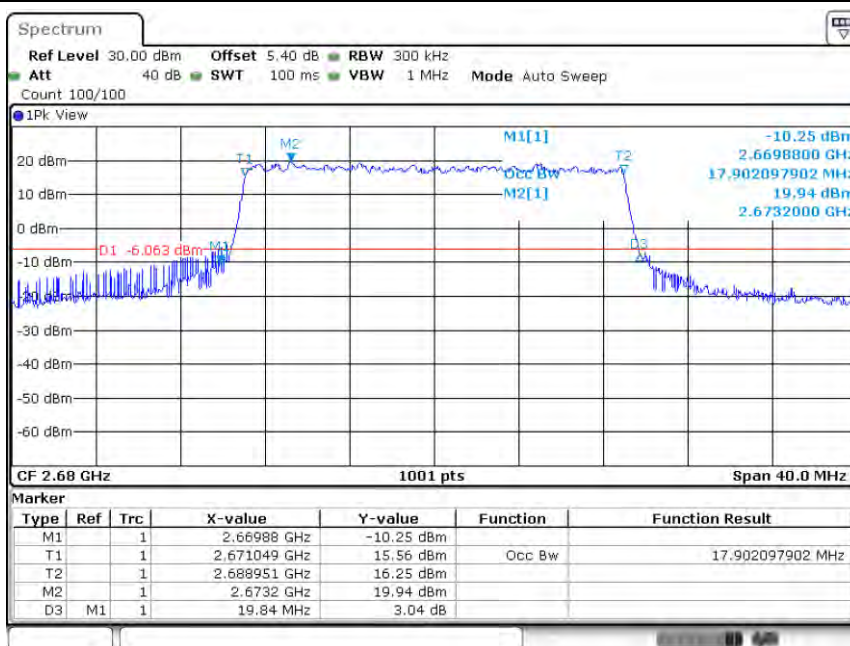


Band41-20MHz-QPSK-40620-100RB#0-17.902



Date: 28 MAY.2021 00:37:25

Band41-20MHz-QPSK-41490-100RB#0-17.902

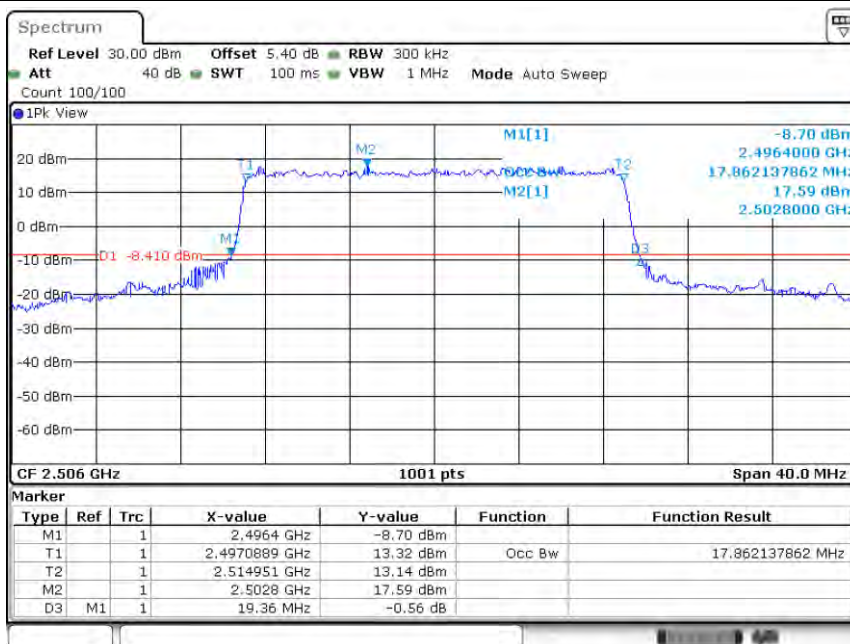


Date: 28 MAY.2021 00:38:05



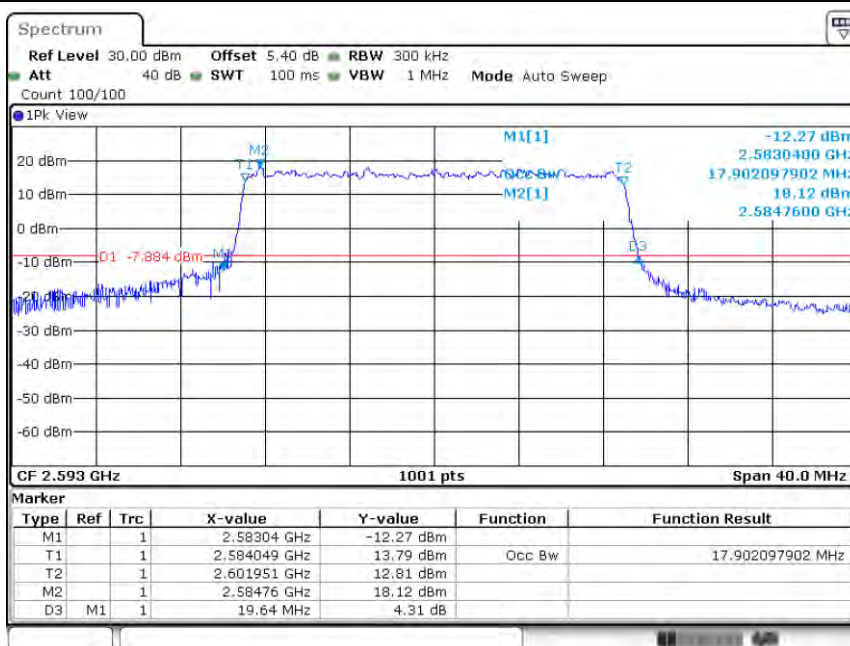


Band41-20MHz-64QAM-39750-100RB#0-17.862



Date: 28 MAY.2021 00:42:12

Band41-20MHz-64QAM-40620-100RB#0-17.902



Date: 28 MAY.2021 00:42:32

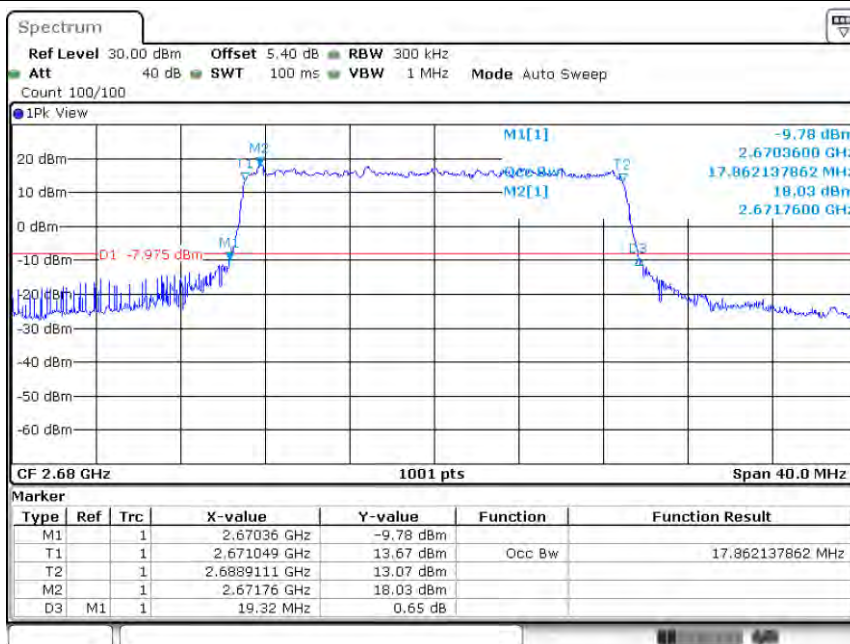


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

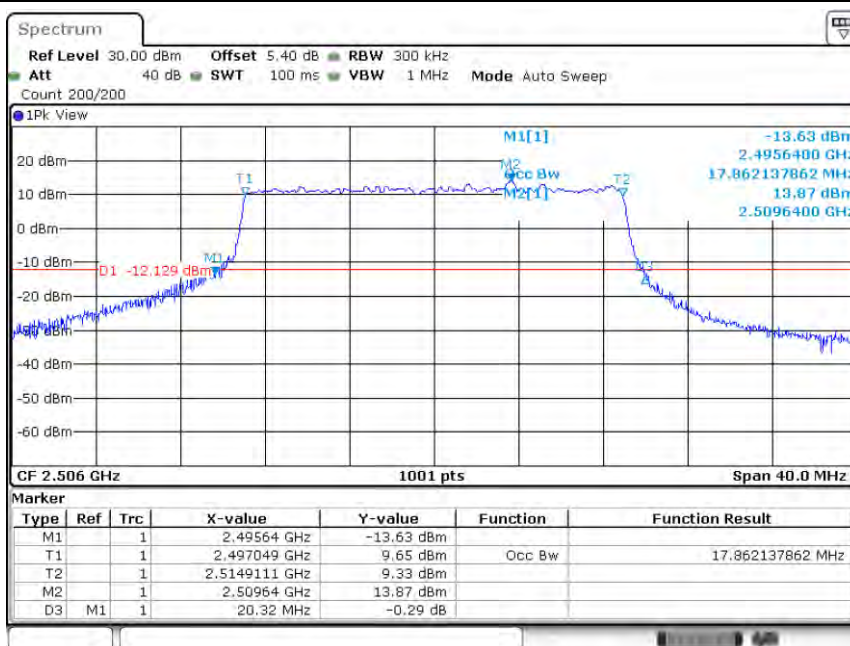


Band41-20MHz-64QAM-41490-100RB#0-17.862



Date: 28.MAY.2021 00:42:51

Band41-20MHz-256QAM-39750-100RB#0-17.862



Date: 7.MAY.2021 02:28:33



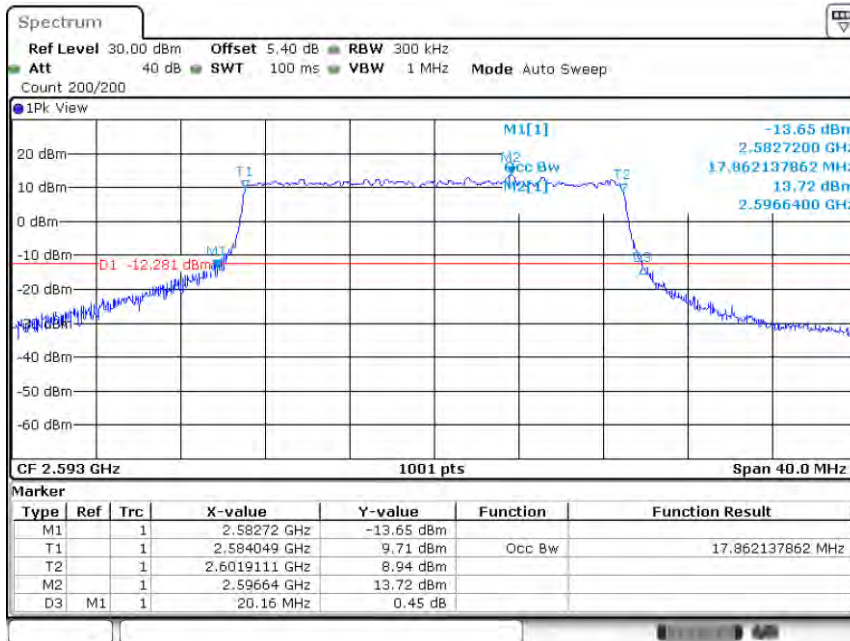
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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

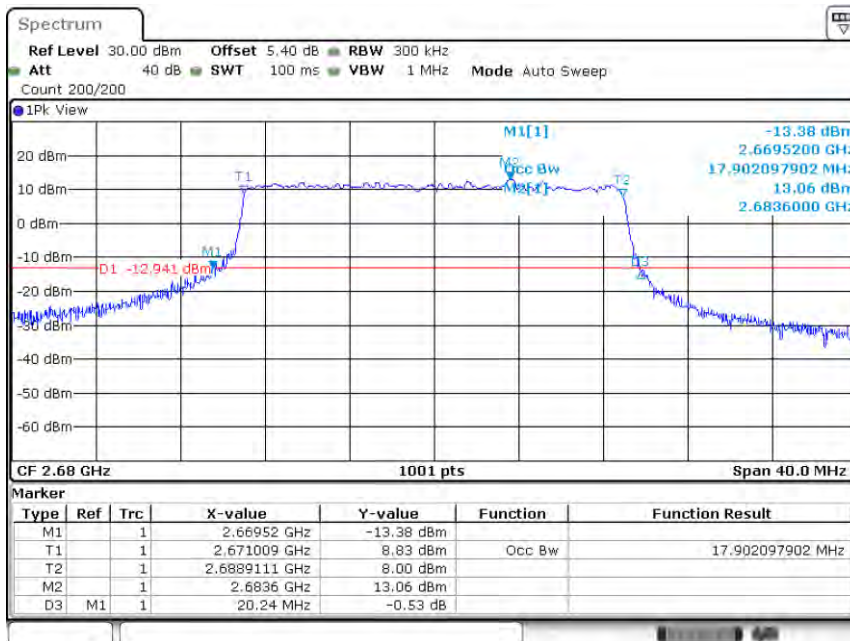


Band41-20MHz-256QAM-40620-100RB#0-17.862



Date: 7.MAY.2021 02:29:19

Band41-20MHz-256QAM-41490-100RB#0-17.902



Date: 7.MAY.2021 02:30:01

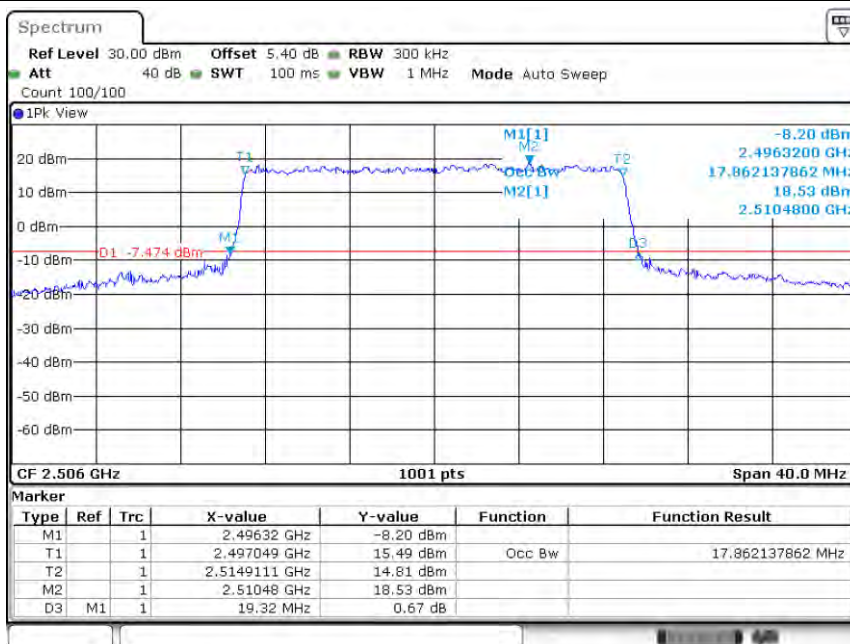


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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

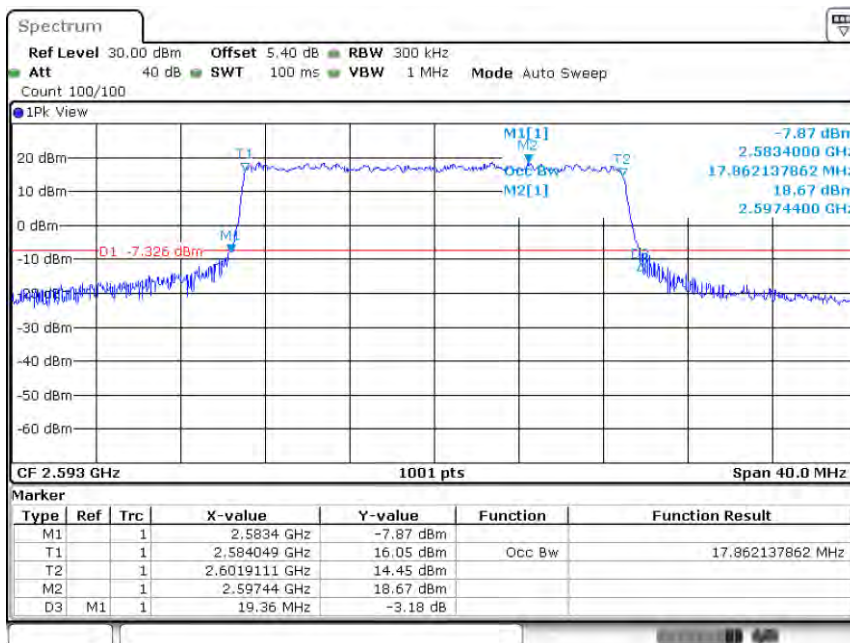


Band41-20MHz-16QAM-39750-100RB#0-17.862



Date: 28 MAY.2021 00:37:06

Band41-20MHz-16QAM-40620-100RB#0-17.862



Date: 28 MAY.2021 00:37:45

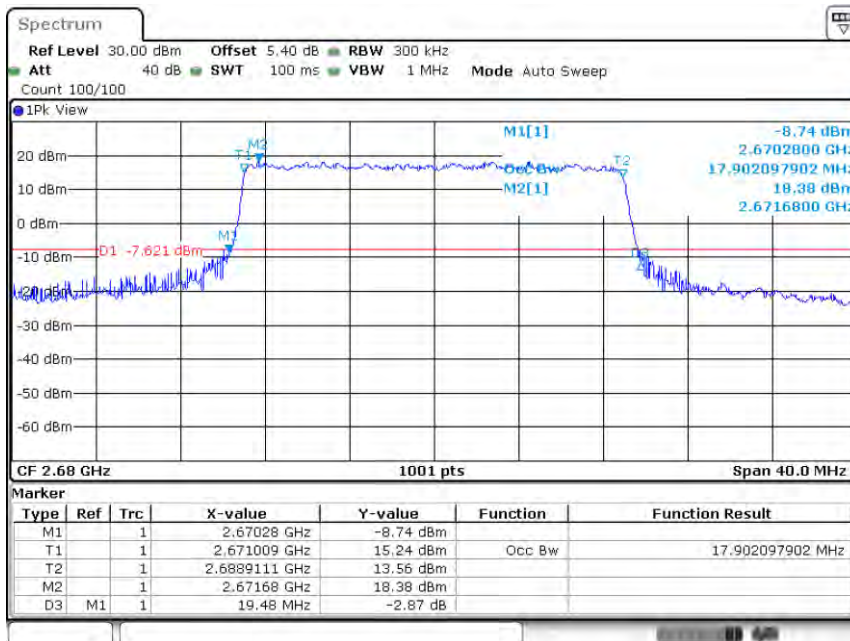


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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-41490-100RB#0-17.902



Date: 28 MAY.2021 00:38:25



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

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

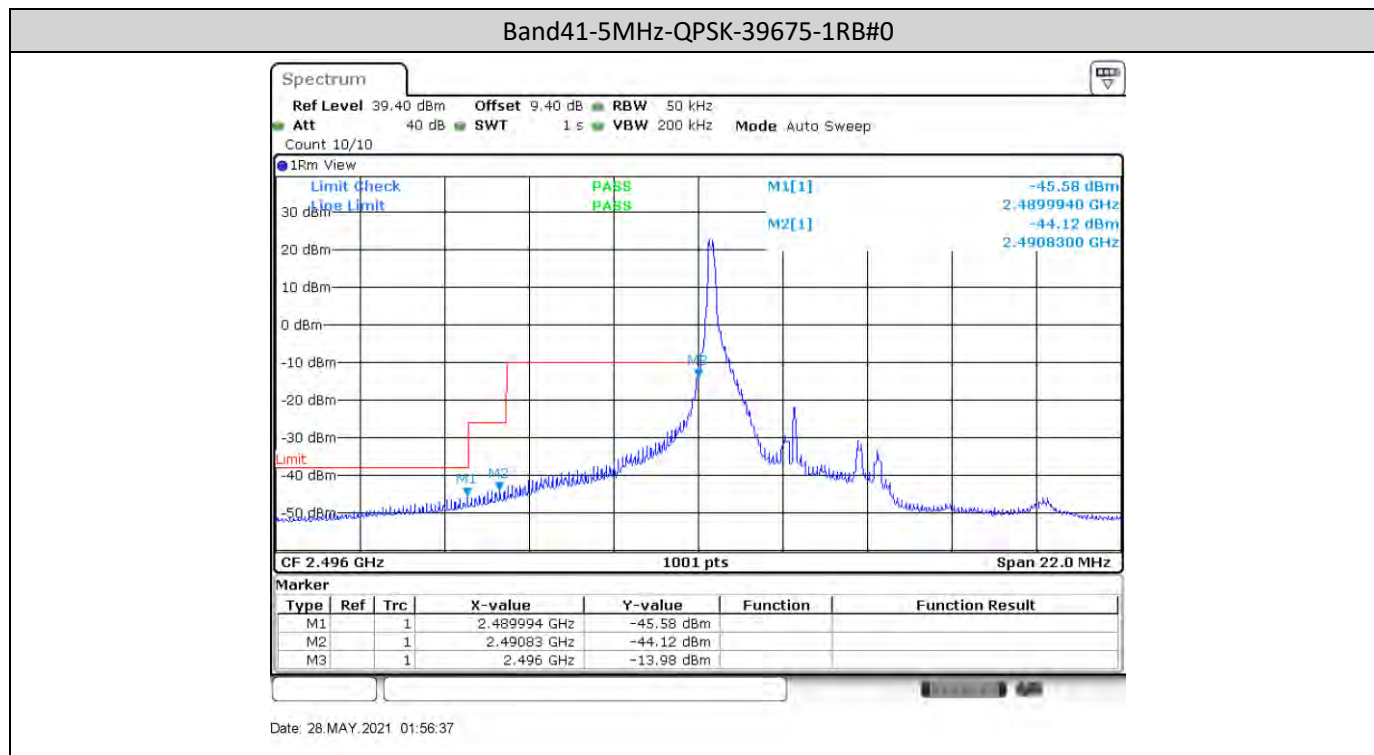
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



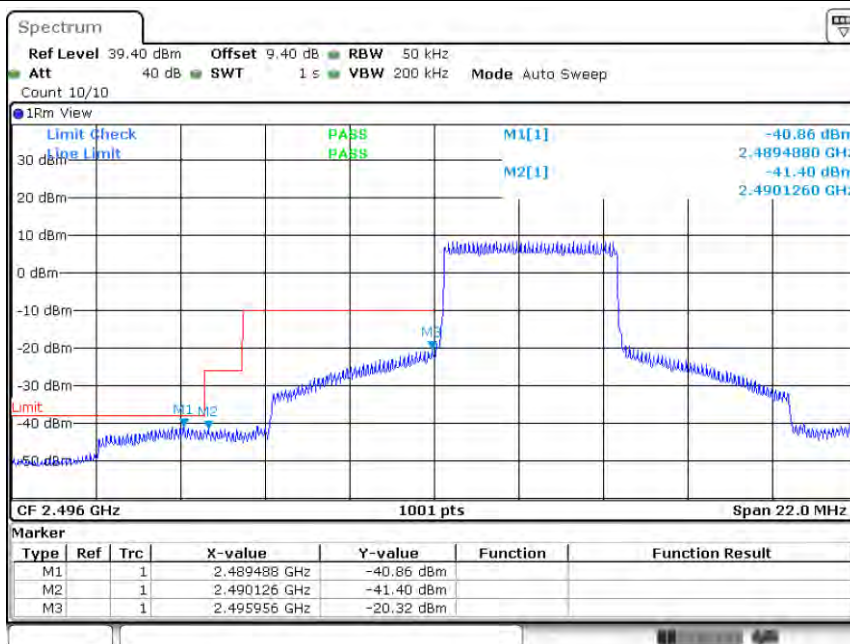
5. Band Edge Compliance

5.1. Test Plots



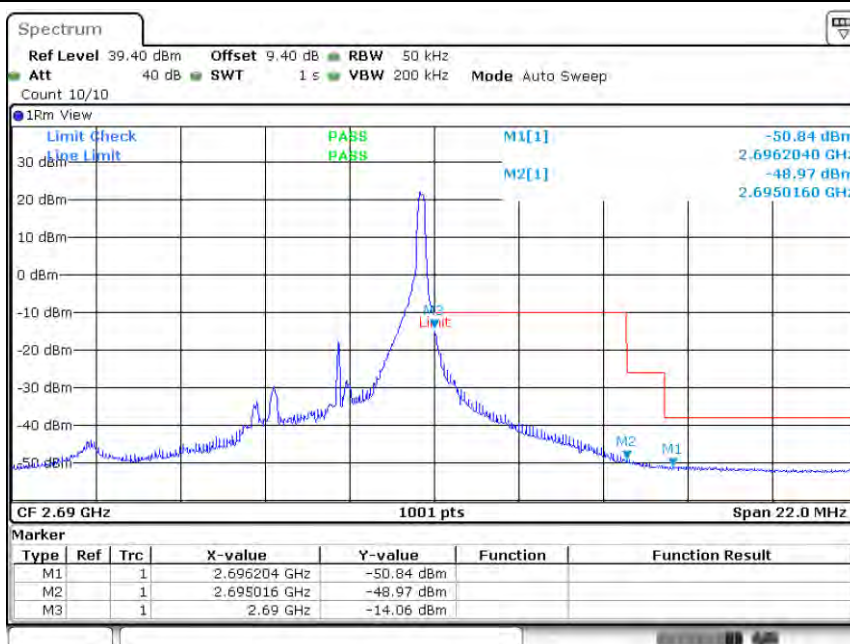


Band41-5MHz-QPSK-39675-25RB#0



Date: 28 MAY 2021 01:59:38

Band41-5MHz-QPSK-41565-1RB#24

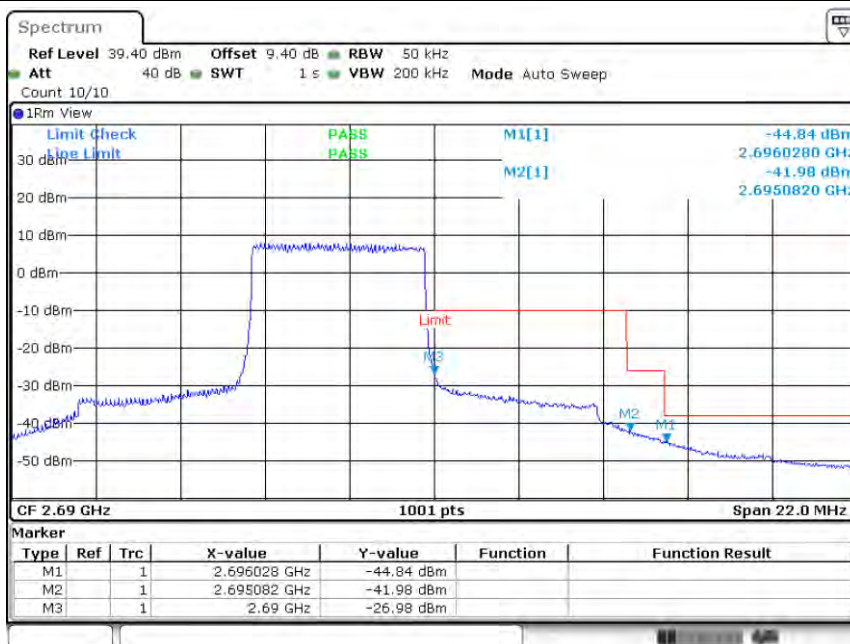


Date: 28 MAY 2021 01:57:25



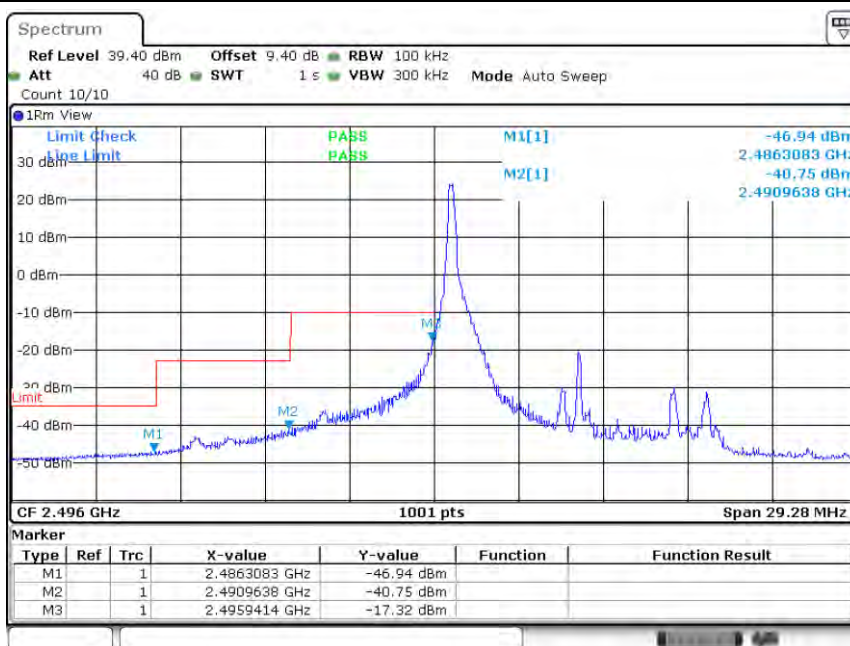


Band41-5MHz-QPSK-41565-25RB#0



Date: 28 MAY.2021 02:00:21

Band41-10MHz-QPSK-39700-1RB#0

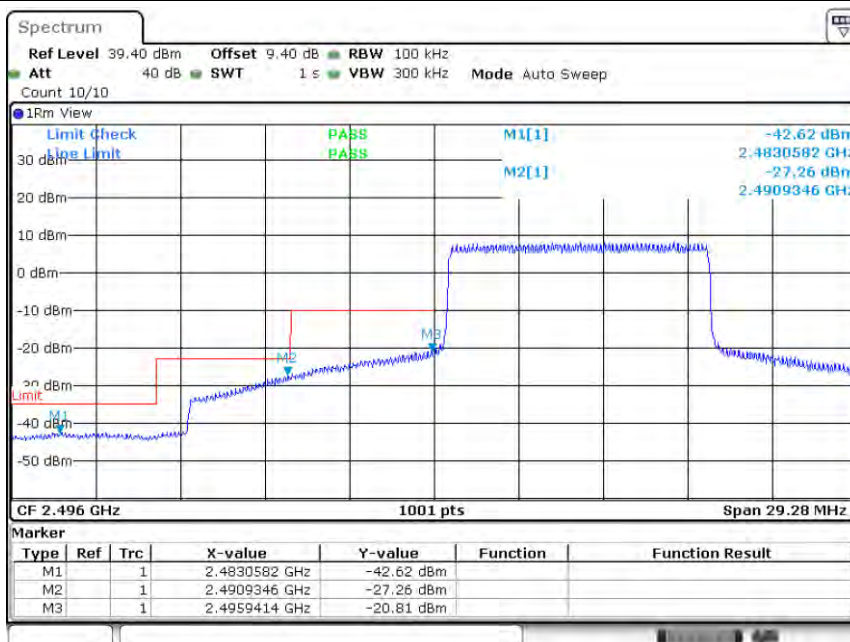


Date: 28 MAY.2021 02:01:10



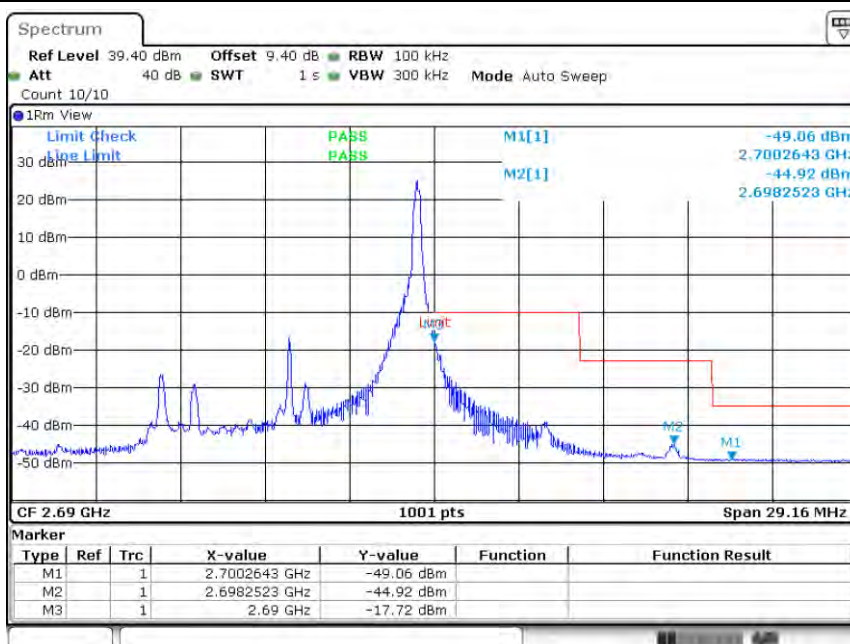


Band41-10MHz-QPSK-39700-50RB#0



Date: 28 MAY.2021 02:02:45

Band41-10MHz-QPSK-41540-1RB#49

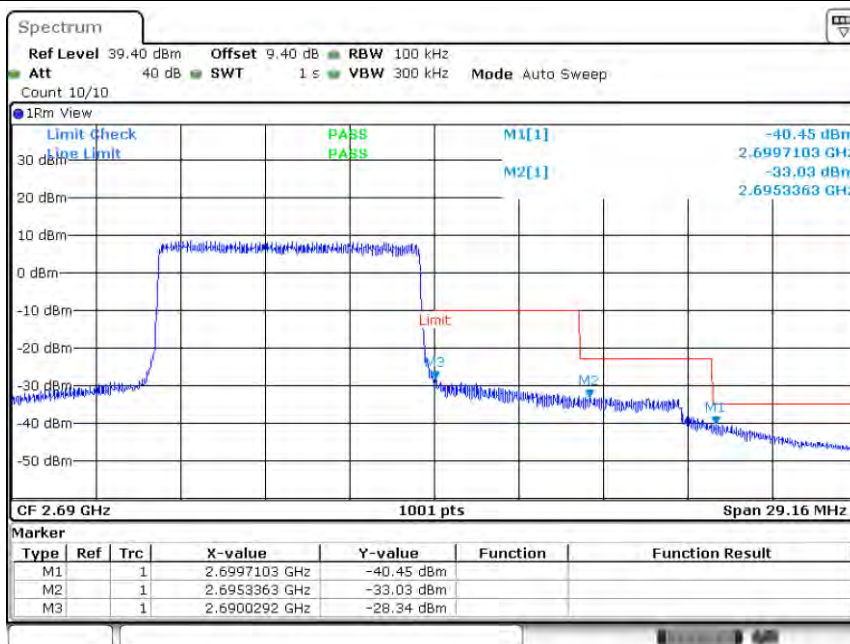


Date: 28 MAY.2021 02:01:57



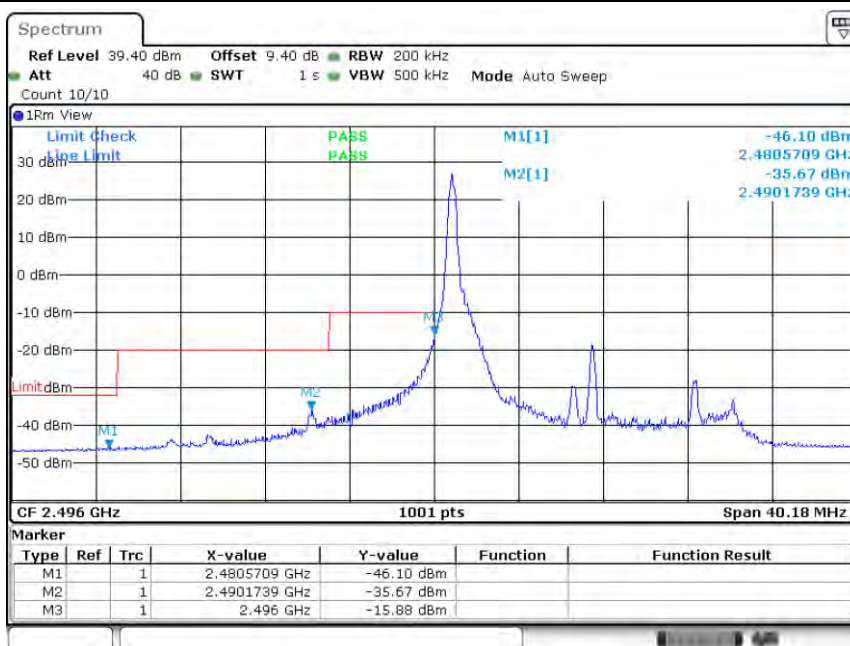


Band41-10MHz-QPSK-41540-50RB#0



Date: 28 MAY 2021 02:03:28

Band41-15MHz-QPSK-39725-1RB#0

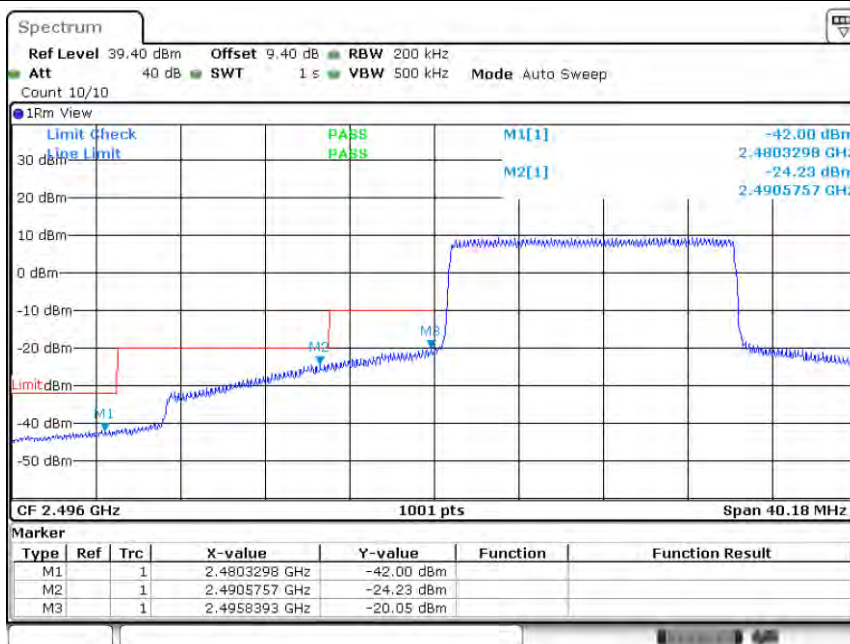


Date: 28 MAY 2021 02:04:21



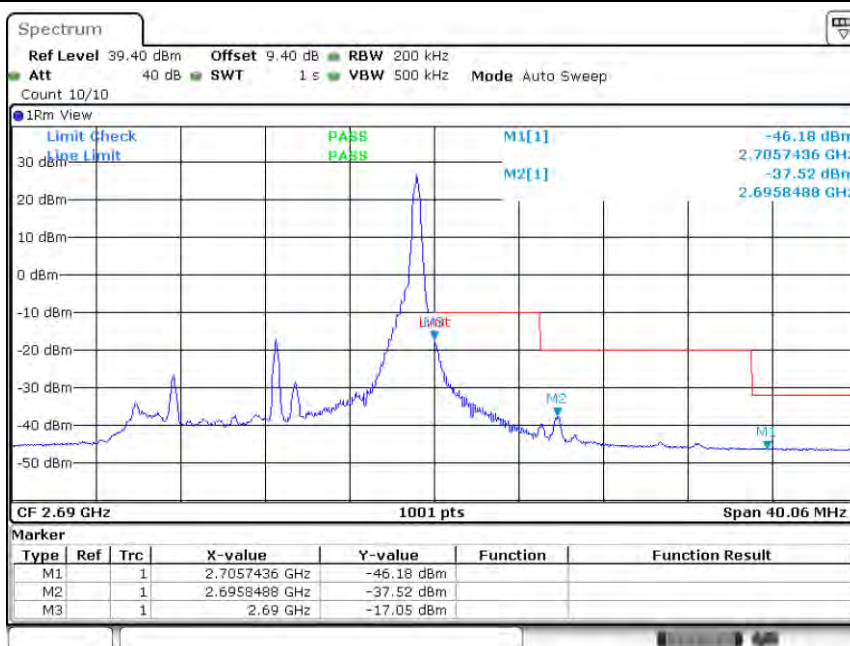


Band41-15MHz-QPSK-39725-75RB#0



Date: 28 MAY.2021 02:05:56

Band41-15MHz-QPSK-41515-1RB#74

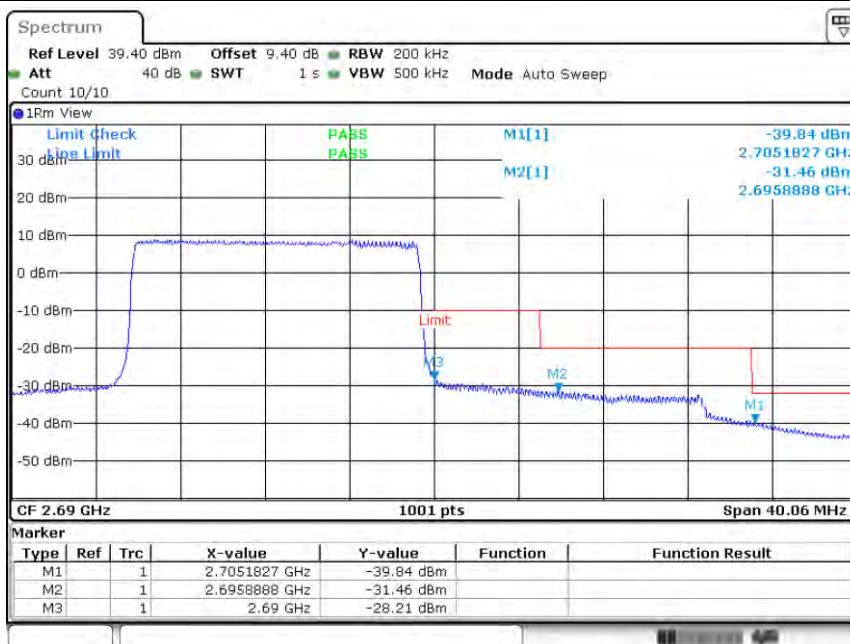


Date: 28 MAY.2021 02:05:08



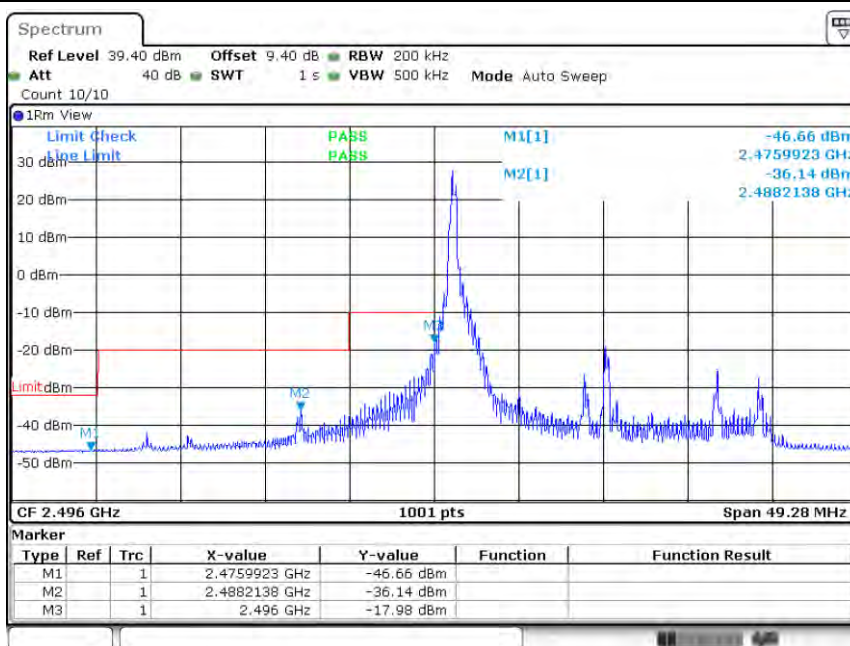


Band41-15MHz-QPSK-41515-75RB#0



Date: 28 MAY.2021 02:06:39

Band41-20MHz-QPSK-39750-1RB#0



Date: 28 MAY.2021 02:24:06

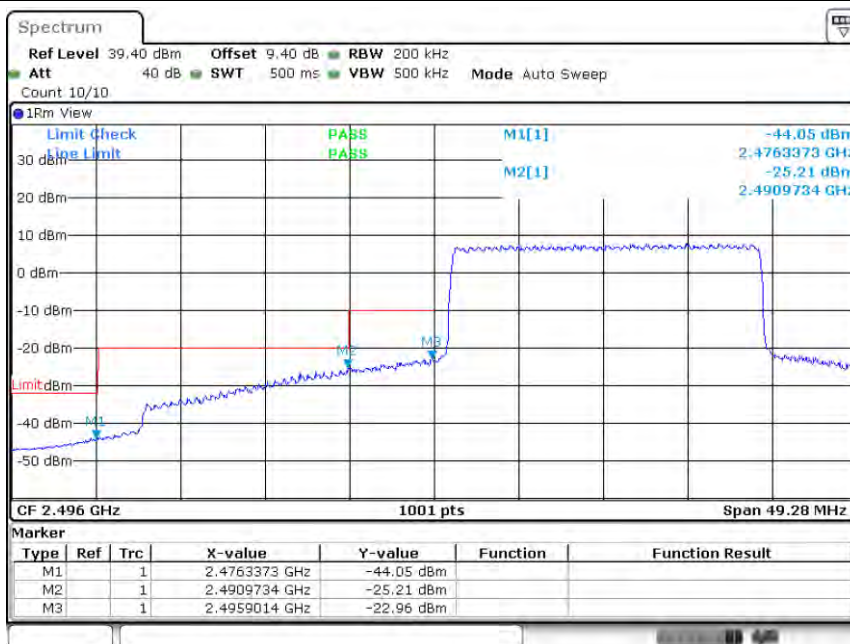


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

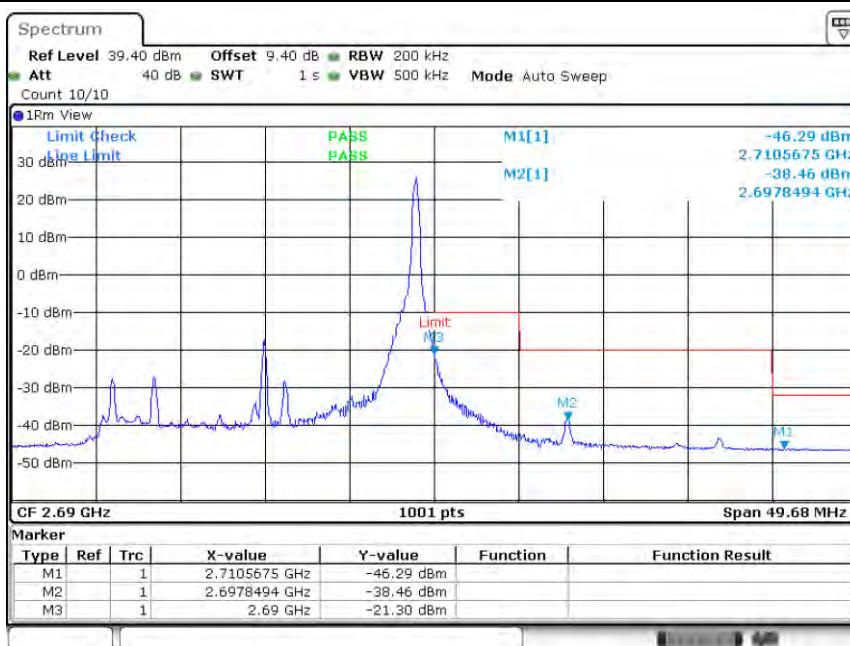


Band41-20MHz-QPSK-39750-100RB#0



Date: 28 MAY 2021 02:26:06

Band41-20MHz-QPSK-41490-1RB#99

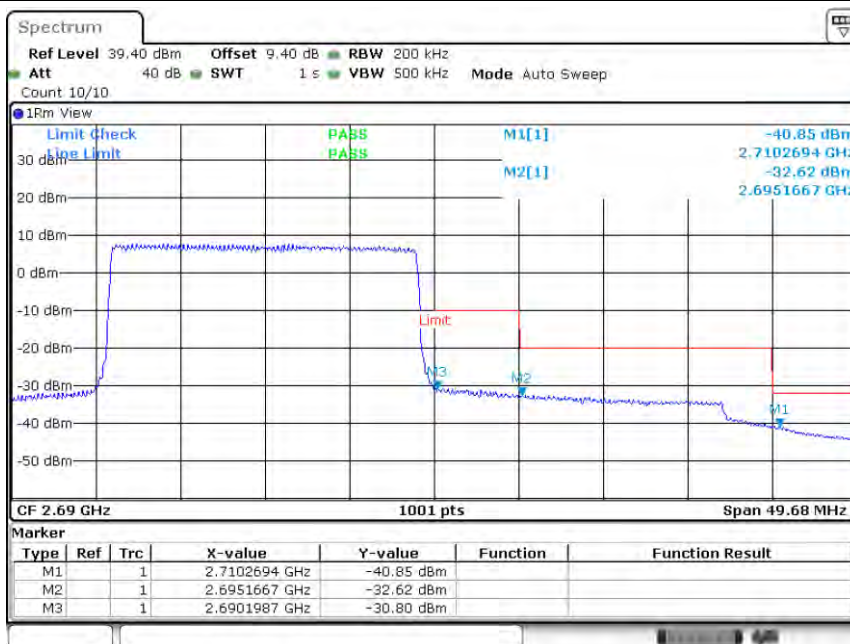


Date: 28 MAY 2021 02:08:16





Band41-20MHz-QPSK-41490-100RB#0



Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:
 $X = \text{Limit} + 10 \log(\text{RBW}/1000\text{kHz})$



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

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

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

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

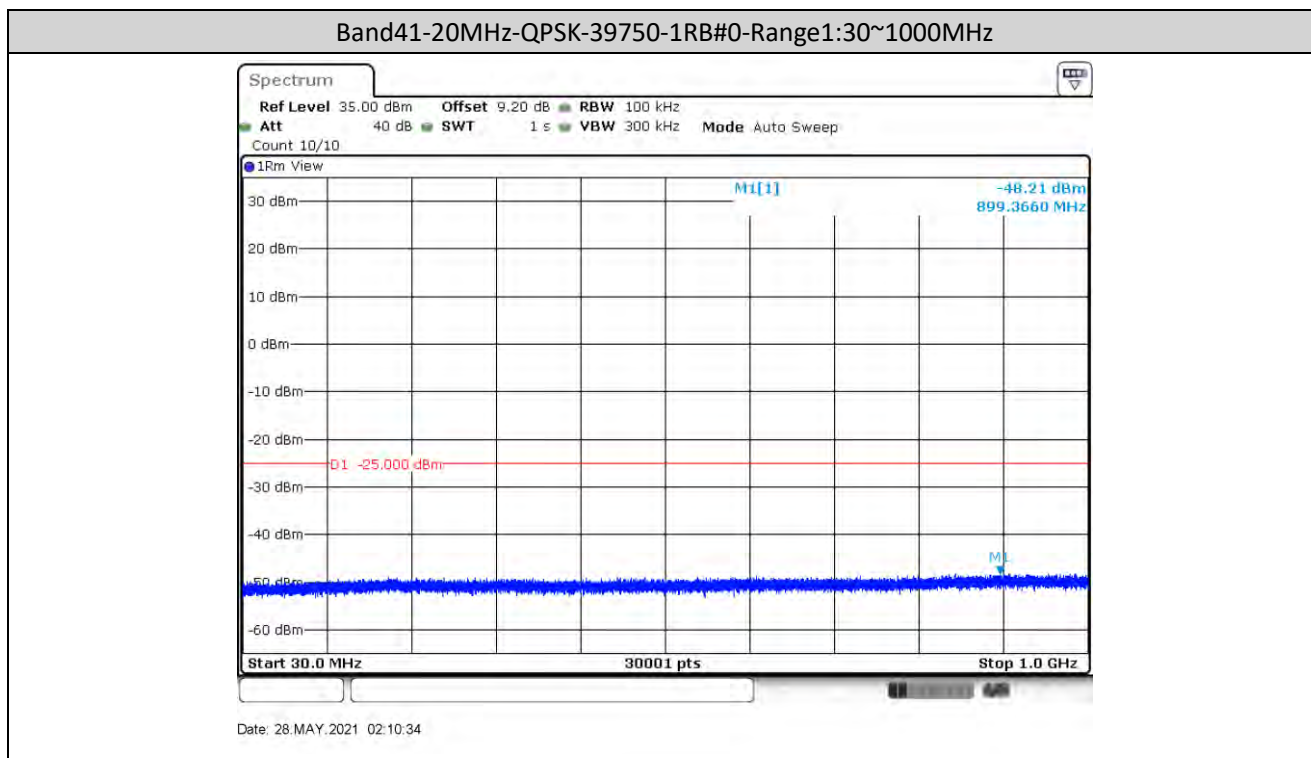
6. Spurious Emission at Antenna Terminal

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: 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.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

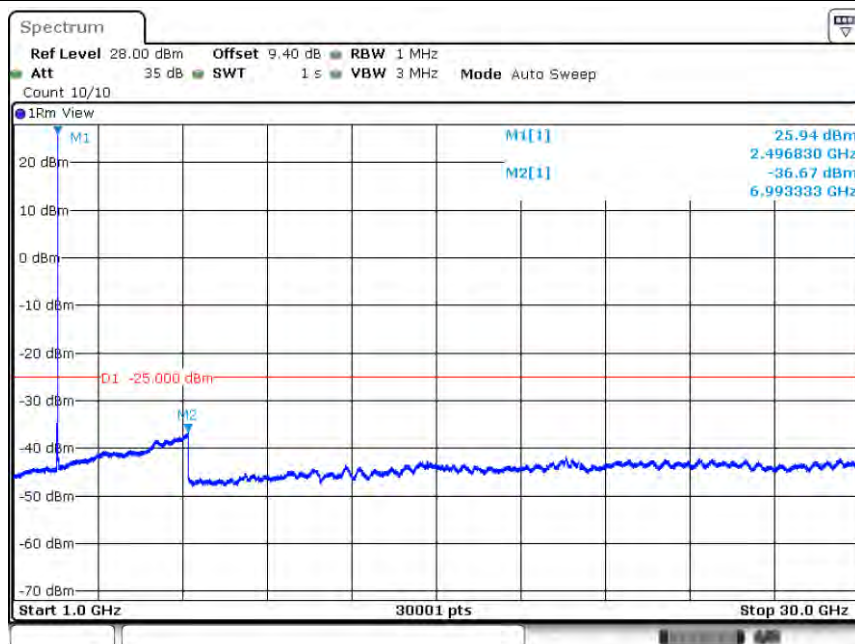
6.1. Test Plots



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.

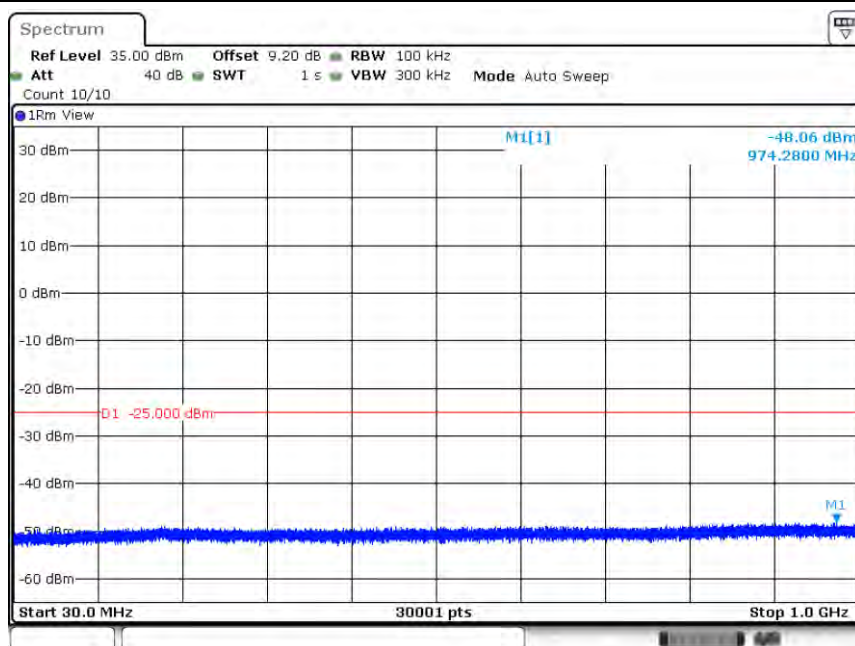
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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-39750-1RB#0-Range2:1000~30000MHz



Date: 28.MAY.2021 02:10:51

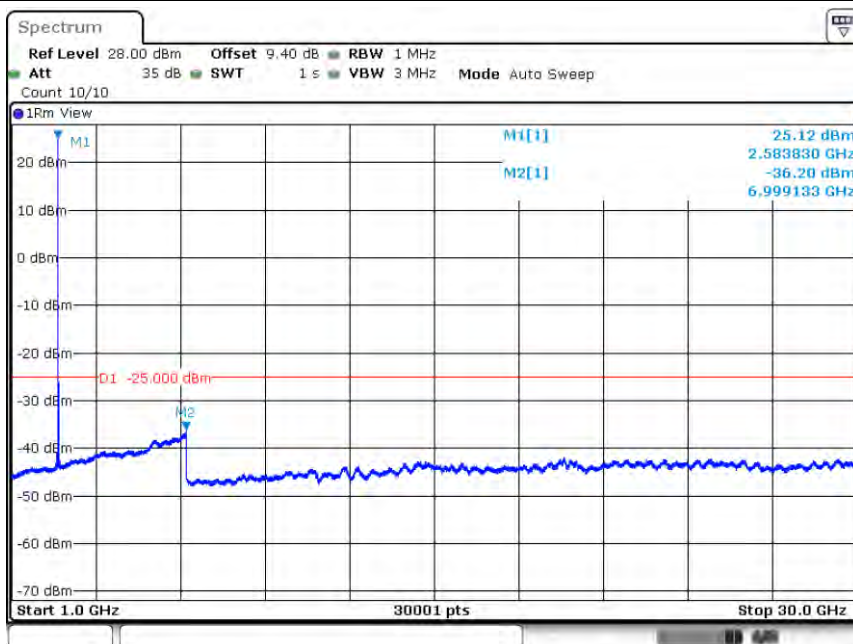
Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



Date: 28.MAY.2021 02:11:45

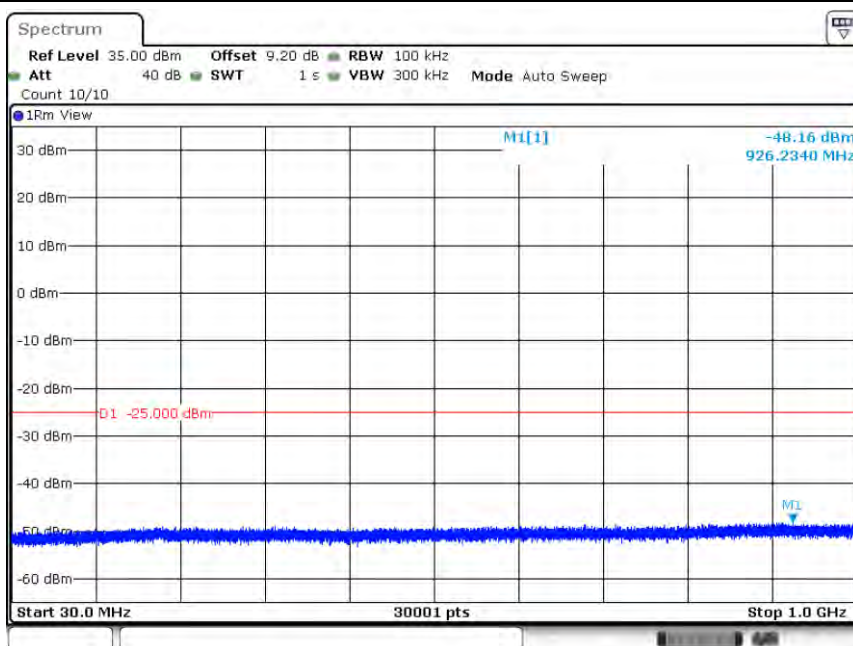


Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz



Date: 28.MAY.2021 02:12:01

Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz

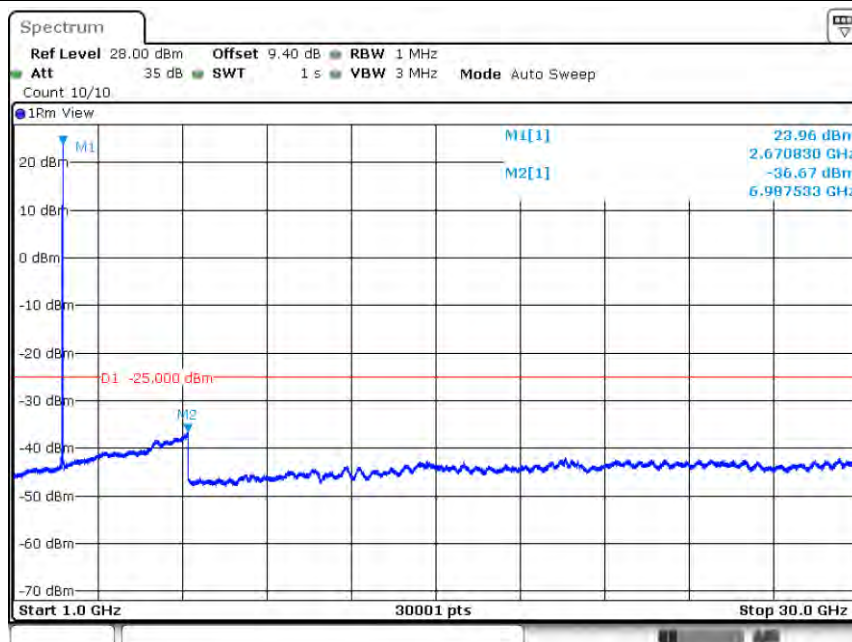


Date: 28.MAY.2021 02:12:56





Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz



Date: 28.MAY.2021 02:13:12



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

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



7. Field Strength of Spurious Radiation

7.1. Test Band = _41 _TM1

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1078.3039	27.16	-43.06	-25.00	18.06	Horizontal
2	2996.6998	29.61	-34.95	-25.00	9.95	Horizontal
3	4519.5760	50.94	-60.87	-25.00	35.87	Horizontal
4	7474.7237	48.31	-53.93	-25.00	28.93	Horizontal
5	11232.4116	46.67	-49.11	-25.00	24.11	Horizontal
6	17991.749	47.22	-46.49	-25.00	21.49	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 = _41_TM1

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1146.5073	27.42	-42.97	-25.00	17.97	Vertical
2	1974.2487	28.61	-40.08	-25.00	15.08	Vertical
3	2997.5999	29.27	-35.26	-25.00	10.26	Vertical
4	4319.3160	51.40	-61.39	-25.00	36.39	Vertical
5	7968.9985	51.60	-50.34	-25.00	25.34	Vertical
6	17996.249	47.13	-46.67	-25.00	21.67	Vertical



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

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



7.3. Test Band = _B41_TM1

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1680.0850	20.86	-49.13	-25.00	24.13	Horizontal
2	3775.5388	52.36	-65.18	-25.00	40.18	Horizontal
3	5168.3584	55.22	-56.84	-25.00	31.84	Horizontal
4	7779.9890	49.12	-54.30	-25.00	29.30	Horizontal
5	11908.1954	47.17	-46.34	-25.00	21.34	Horizontal
6	16418.1709	48.85	-41.85	-25.00	16.85	Horizontal



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

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



7.4. Test Band = _B41_TM1

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.3008	27.01	-44.13	-25.00	19.13	Vertical
2	4461.0731	51.56	-63.06	-25.00	38.06	Vertical
3	5168.3584	68.73	-43.33	-25.00	18.33	Vertical
4	7968.9985	53.84	-49.17	-25.00	24.17	Vertical
5	11366.6683	47.60	-48.00	-25.00	23.00	Vertical
6	16394.9197	48.32	-42.14	-25.00	17.14	Vertical



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

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



7.5. Test Band = _41 _TM1

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1268.1134	27.53	-43.07	-25.00	18.07	Horizontal
2	1766.0383	33.85	-36.14	-25.00	11.14	Horizontal
3	4283.3142	50.97	-61.81	-25.00	36.81	Horizontal
4	7476.9738	48.37	-53.85	-25.00	28.85	Horizontal
5	12395.719	45.55	-48.65	-25.00	23.65	Horizontal
6	17981.999	46.69	-46.81	-25.00	21.81	Horizontal



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

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



7.6. Test Band = _41_TM1

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1081.7041	27.25	-42.90	-25.00	17.90	Vertical
2	1867.9434	27.90	-41.67	-25.00	16.67	Vertical
3	4218.8109	50.89	-61.82	-25.00	36.82	Vertical
4	7968.9985	51.82	-50.12	-25.00	25.12	Vertical
5	13362.518	45.01	-47.71	-25.00	22.71	Vertical
6	17996.249	47.21	-46.59	-25.00	21.59	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.



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

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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	2.30	0.000918	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-3.10	-0.001237	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-4.10	-0.001636	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	6.90	0.002661	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-3.60	-0.001388	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	5.90	0.002275	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-6.20	-0.002313	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	4.70	0.001754	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	8.50	0.003392	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	9.10	0.003631	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	3.80	0.001516	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	7.30	0.002913	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-0.40	-0.000160	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	3.20	0.001277	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	6.00	0.002394	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	6.70	0.002674	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-0.60	-0.000239	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	0.40	0.000154	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-4.40	-0.001697	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.60	-0.000231	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-3.00	-0.001157	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-3.10	-0.001196	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-6.80	-0.002622	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	7.30	0.002815	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-0.80	-0.000309	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	9.30	0.003587	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	1.70	0.000634	±2.5	PASS





Band41	20MHz	QPSK	41490	100RB#0	NV	-20	10.90	0.004067	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-1.60	-0.000597	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	5.20	0.001940	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-5.50	-0.002052	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-4.40	-0.001642	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-1.70	-0.000634	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-4.90	-0.001828	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	0.70	0.000261	±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.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