



Appendix B

E-UTRA Band 66



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

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



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1.	TEST RESULT	3
2.	PEAK-TO-AVERAGE RATIO (CCDF)	10
2.1.	TEST RESULT	10
2.2.	TEST PLOTS	10
3.	MODULATION CHARACTERISTICS	14
3.1.	TEST MODE = LTE /TM1 20MHZ.....	14
3.1.1.	TEST CHANNEL = MCH.....	14
3.2.	TEST MODE = LTE /TM2 20MHZ.....	15
3.2.1.	TEST CHANNEL = MCH.....	15
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	16
4.1.	TEST RESULT	16
4.2.	TEST PLOTS.....	17
5.	BAND EDGE COMPLIANCE	35
5.1.	TEST PLOTS.....	35
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	59
6.1.	TEST PLOTS.....	59
7.	FIELD STRENGTH OF SPURIOUS RADIATION	65
7.1.	TEST MODE =LTE/TM1	65
7.1.1.	TEST CHANNEL = LCH	65
7.1.2.	TEST CHANNEL = MCH.....	65
7.1.3.	TEST CHANNEL = HCH.....	66
8.	FREQUENCY STABILITY	67
8.1.	FREQUENCY VS VOLTAGE	67
8.2.	FREQUENCY VS TEMPERATURE	67



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

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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	19.99	20.69	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	20.49	21.19	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	20.01	20.71	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	19.91	20.61	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#2	20.30	21.00	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	19.82	20.52	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	19.42	20.12	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	20.30	21.00	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	20.68	21.38	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	20.47	21.17	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	20.13	20.83	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#2	20.56	21.26	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	20.37	21.07	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	19.51	20.21	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	20.23	20.93	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	20.34	21.04	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	20.24	20.94	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	20.09	20.79	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#2	20.32	21.02	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	20.08	20.78	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	19.31	20.01	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	18.79	19.49	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	18.81	19.51	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	19.29	19.99	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	18.69	19.39	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#2	18.66	19.36	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	19.24	19.94	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	18.21	18.91	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	19.28	19.98	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	19.20	19.90	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	19.17	19.87	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	19.11	19.81	30.00	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.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



Band66	1.4MHz	16QAM	132322	3RB#2	18.98	19.68	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	19.06	19.76	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	18.19	18.89	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	19.11	19.81	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	19.21	19.91	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	19.01	19.71	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	18.98	19.68	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#2	18.96	19.66	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	18.86	19.56	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	18.05	18.75	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	19.97	20.67	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#7	20.47	21.17	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	20.06	20.76	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	19.30	20.00	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	19.39	20.09	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	19.38	20.08	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	19.36	20.06	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	20.35	21.05	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#7	20.63	21.33	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	20.54	21.24	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	19.46	20.16	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	19.17	19.87	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	19.35	20.05	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	19.43	20.13	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	20.19	20.89	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#7	20.40	21.10	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	20.29	20.99	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	19.31	20.01	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	19.20	19.90	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	19.02	19.72	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	19.30	20.00	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	18.80	19.50	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#7	18.79	19.49	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	19.34	20.04	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	18.31	19.01	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	18.36	19.06	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	18.14	18.84	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	18.13	18.83	30.00	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) 83071443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch / 深圳分公司 / 检验检测专用章
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



Band66	3MHz	16QAM	132322	1RB#0	19.31	20.01	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#7	19.15	19.85	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	19.22	19.92	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	18.28	18.98	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	18.32	19.02	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	18.08	18.78	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	18.20	18.90	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	19.16	19.86	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#7	19.16	19.86	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	19.00	19.70	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	18.35	19.05	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	18.19	18.89	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	17.96	18.66	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	18.04	18.74	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	20.02	20.72	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#13	20.41	21.11	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	19.97	20.67	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	19.33	20.03	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	19.45	20.15	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	19.36	20.06	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	19.37	20.07	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	20.32	21.02	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#13	20.68	21.38	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	20.49	21.19	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	19.39	20.09	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	19.24	19.94	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	19.36	20.06	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	19.50	20.20	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	20.26	20.96	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#13	20.42	21.12	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	20.27	20.97	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	19.32	20.02	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	19.13	19.83	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	19.03	19.73	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	19.24	19.94	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	18.77	19.47	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#13	18.78	19.48	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	19.32	20.02	30.00	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) 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



Band66	5MHz	16QAM	131997	12RB#0	18.22	18.92	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	18.36	19.06	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	18.10	18.80	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	18.14	18.84	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	19.25	19.95	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#13	19.21	19.91	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	19.21	19.91	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	18.27	18.97	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	18.34	19.04	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	18.10	18.80	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	18.22	18.92	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	19.17	19.87	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#13	19.18	19.88	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	19.05	19.75	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	18.30	19.00	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	18.15	18.85	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	17.90	18.60	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	18.02	18.72	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	20.02	20.72	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#25	20.49	21.19	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	20.00	20.70	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	19.32	20.02	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#13	19.40	20.10	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	19.37	20.07	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	19.35	20.05	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	20.27	20.97	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#25	20.61	21.31	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	20.50	21.20	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	19.42	20.12	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#13	19.20	19.90	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	19.39	20.09	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	19.52	20.22	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	20.25	20.95	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#25	20.43	21.13	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	20.32	21.02	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	19.26	19.96	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#13	19.15	19.85	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	19.08	19.78	30.00	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



Band66	10MHz	QPSK	132622	50RB#0	19.32	20.02	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	18.80	19.50	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#25	18.78	19.48	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	19.32	20.02	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	18.23	18.93	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#13	18.45	19.15	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	18.10	18.80	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	18.12	18.82	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	19.32	20.02	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#25	19.15	19.85	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	19.22	19.92	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	18.27	18.97	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#13	18.34	19.04	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	18.08	18.78	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	18.15	18.85	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	19.20	19.90	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#25	19.19	19.89	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	19.02	19.72	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	18.32	19.02	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#13	18.20	18.90	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	17.90	18.60	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	18.03	18.73	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	20.00	20.70	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	20.39	21.09	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	20.02	20.72	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	19.28	19.98	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	19.41	20.11	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	19.30	20.00	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	19.44	20.14	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	20.30	21.00	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	20.66	21.36	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	20.46	21.16	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	19.44	20.14	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	19.24	19.94	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#39	19.32	20.02	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	19.49	20.19	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	20.18	20.88	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	20.35	21.05	30.00	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



Band66	15MHz	QPSK	132597	1RB#74	20.27	20.97	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	19.32	20.02	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	19.16	19.86	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	19.04	19.74	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	19.30	20.00	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	18.80	19.50	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	18.76	19.46	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	19.30	20.00	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	18.32	19.02	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	18.36	19.06	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	18.07	18.77	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	18.15	18.85	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	19.28	19.98	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	19.21	19.91	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	19.16	19.86	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	18.24	18.94	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	18.31	19.01	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	18.06	18.76	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	18.21	18.91	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	19.11	19.81	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	19.12	19.82	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	19.09	19.79	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	18.28	18.98	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	18.15	18.85	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	17.97	18.67	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	18.10	18.80	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	20.14	20.84	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#50	20.59	21.29	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	20.17	20.87	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	19.45	20.15	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	19.58	20.28	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	19.50	20.20	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	19.54	20.24	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	20.47	21.17	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#50	20.80	21.50	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	20.65	21.35	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	19.59	20.29	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	19.36	20.06	30.00	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) 83071443, or email: CN.Doccheck@sgs.com

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

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



Band66	20MHz	QPSK	132322	50RB#50	19.49	20.19	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	19.62	20.32	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	20.38	21.08	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#50	20.53	21.23	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	20.43	21.13	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	19.45	20.15	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	19.33	20.03	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	19.21	19.91	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	19.42	20.12	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	18.97	19.67	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#50	18.96	19.66	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	19.46	20.16	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	18.42	19.12	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	18.56	19.26	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	18.27	18.97	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	18.32	19.02	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	19.45	20.15	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#50	19.35	20.05	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	19.36	20.06	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	18.39	19.09	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	18.45	19.15	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	18.21	18.91	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	18.35	19.05	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	19.31	20.01	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#50	19.32	20.02	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	19.20	19.90	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	18.45	19.15	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	18.32	19.02	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	18.09	18.79	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	18.21	18.91	30.00	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 [dBi]

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



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

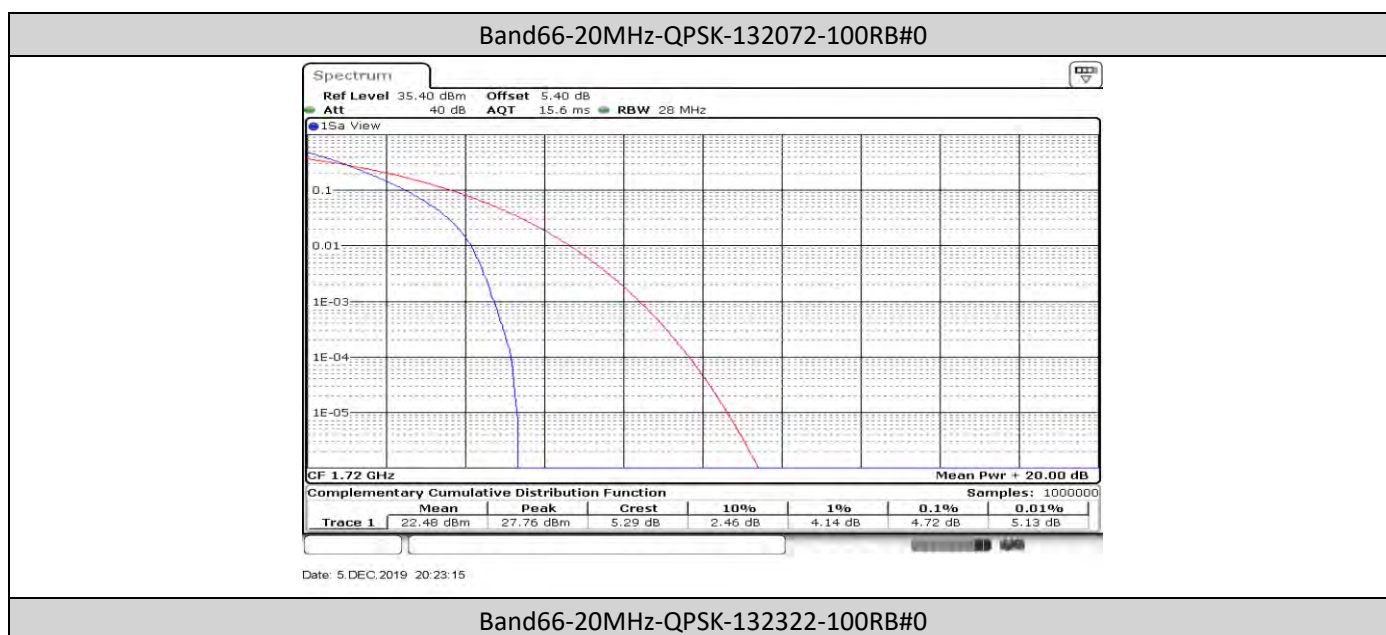


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	4.72	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.96	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.84	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.62	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.86	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.77	13	PASS

2.2. Test Plots





Band66-20MHz-QPSK-132572-100RB#0



Band66-20MHz-16QAM-132072-100RB#0





Band66-20MHz-16QAM-132322-100RB#0



Band66-20MHz-16QAM-132572-100RB#0



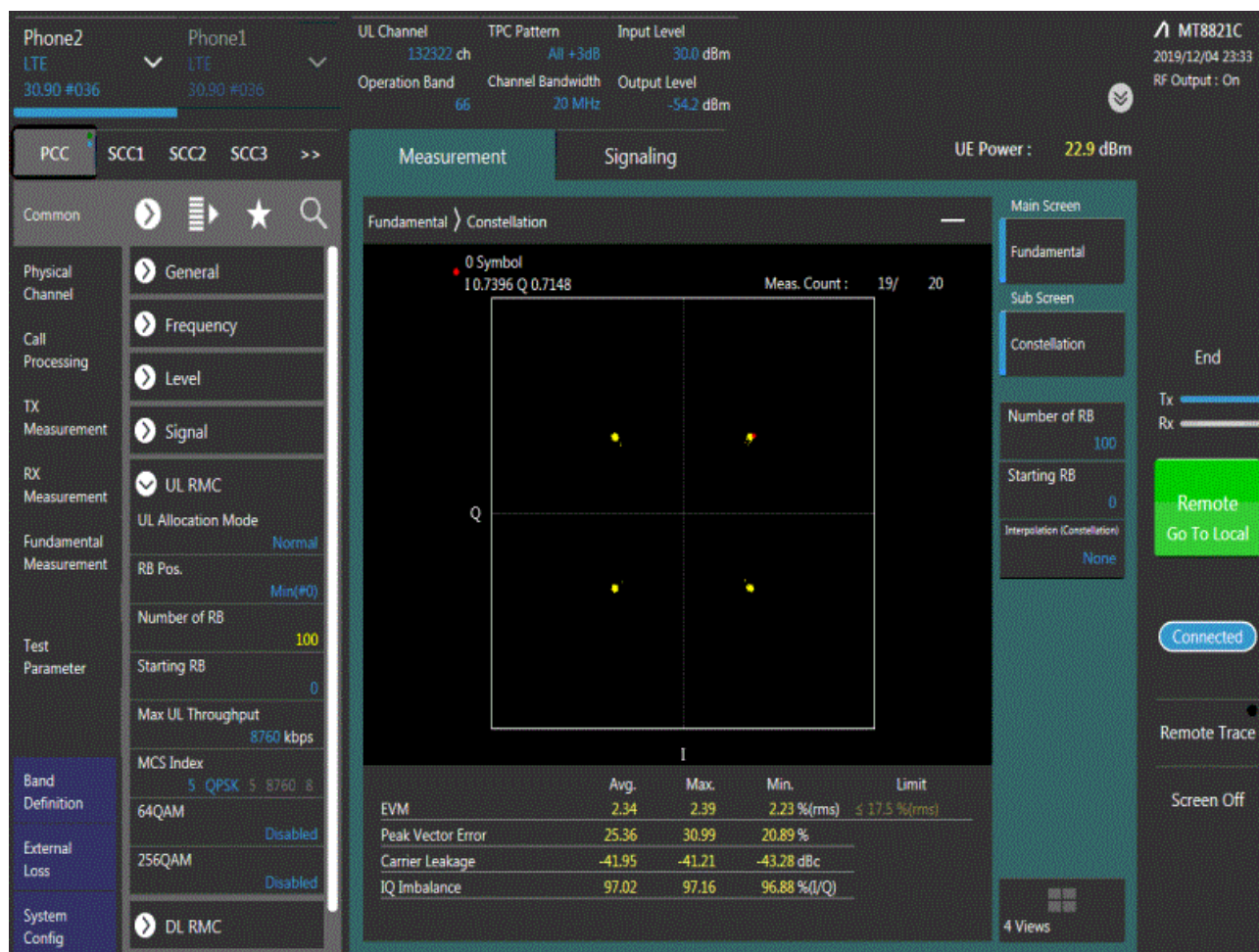




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

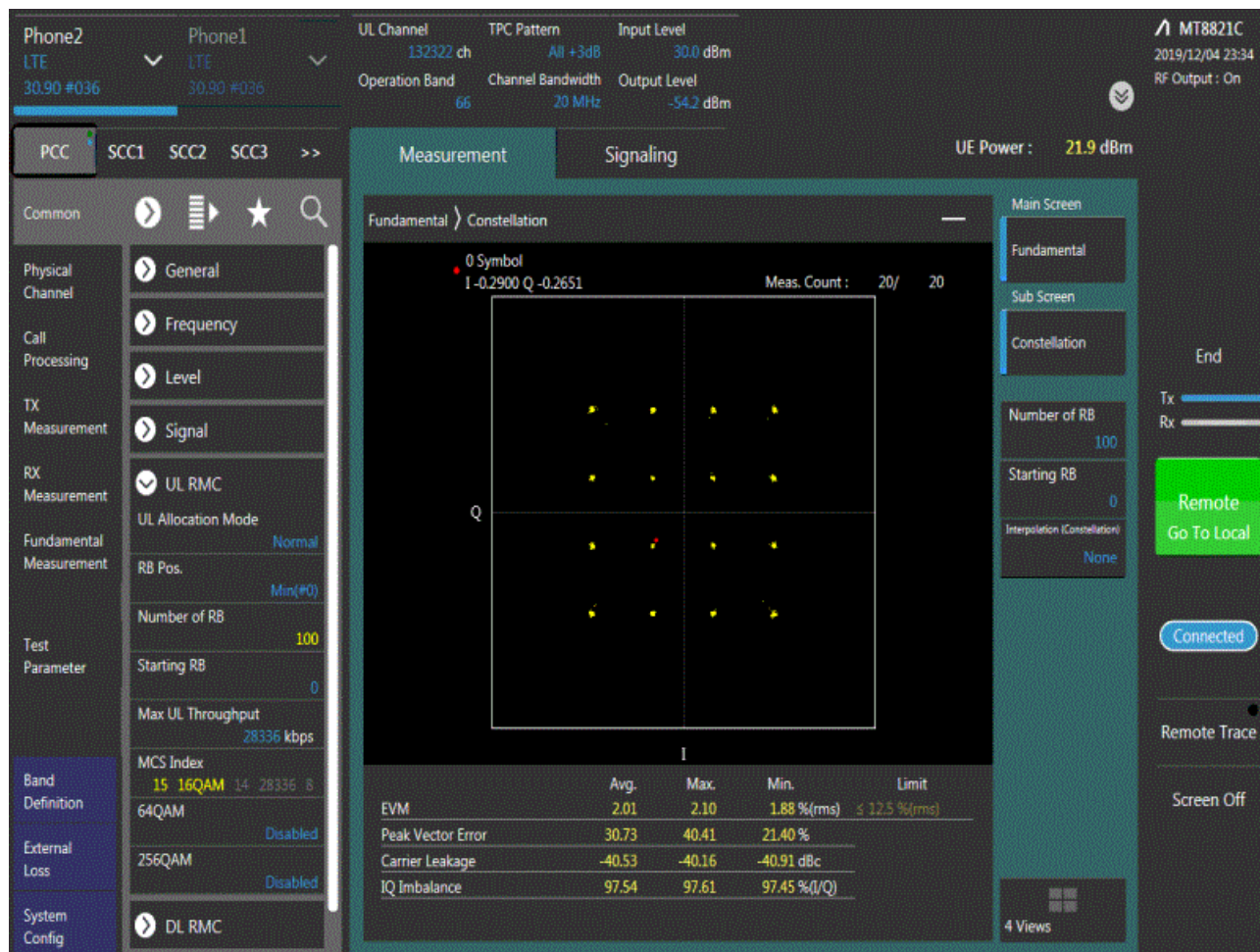
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.091	1.269	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.094	1.281	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.094	1.293	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.278	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.281	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.281	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.697	2.994	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.691	3.006	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.697	2.994	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.970	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.964	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.685	2.976	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	4.920	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	4.930	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	4.930	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.486	4.970	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	4.960	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.496	4.960	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.740	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.911	9.720	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.911	9.660	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.931	9.740	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.911	9.760	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.911	9.740	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.427	14.730	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.427	14.790	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.427	14.760	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.397	14.700	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.427	14.580	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.427	14.730	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.822	19.360	PASS



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

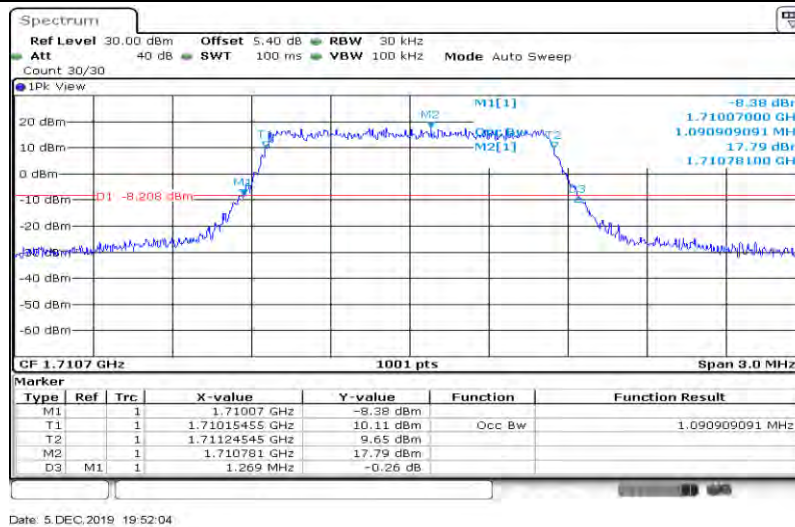
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



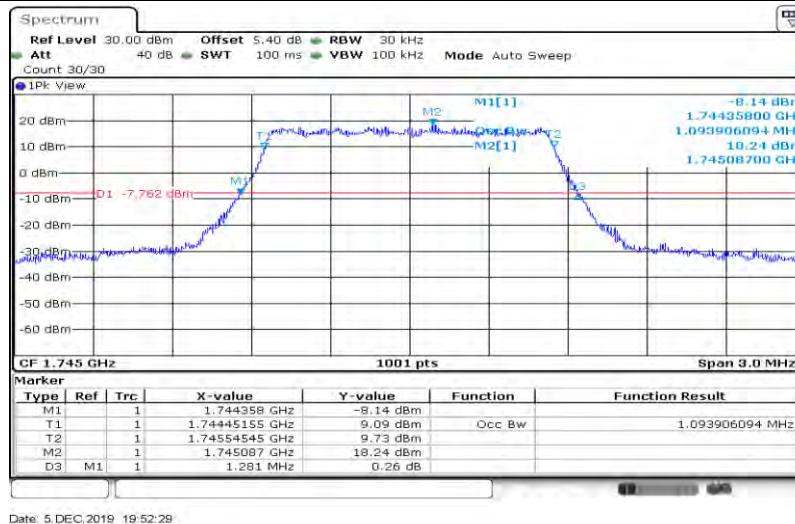
Band66	20MHz	QPSK	132322	100RB#0	17.862	19.400	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.822	19.400	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.822	19.400	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.862	19.480	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.862	19.360	PASS

4.2. Test Plots

Band66-1.4MHz-QPSK-131979-6RB#0-1.091



Band66-1.4MHz-QPSK-132322-6RB#0-1.094

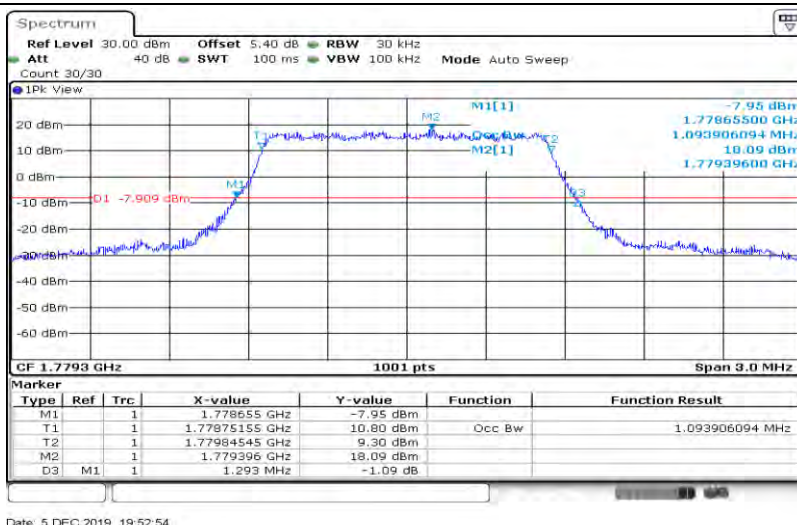


Band66-1.4MHz-QPSK-132665-6RB#0-1.094

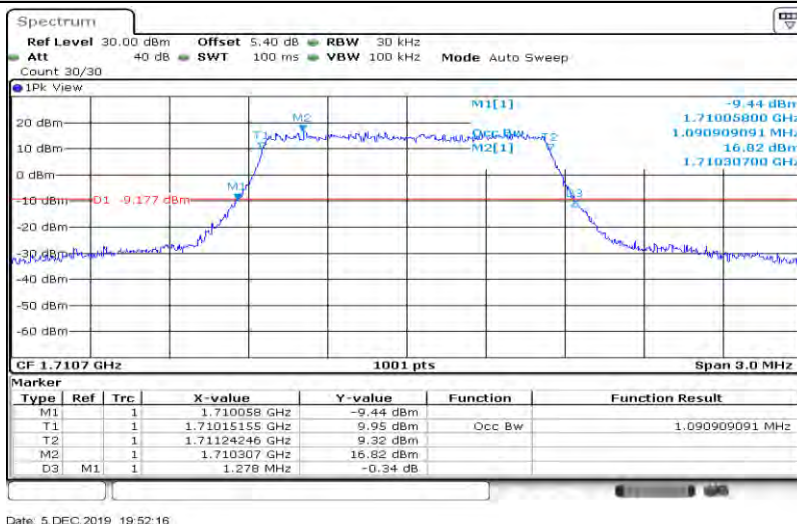


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band66-1.4MHz-16QAM-131979-6RB#0-1.091

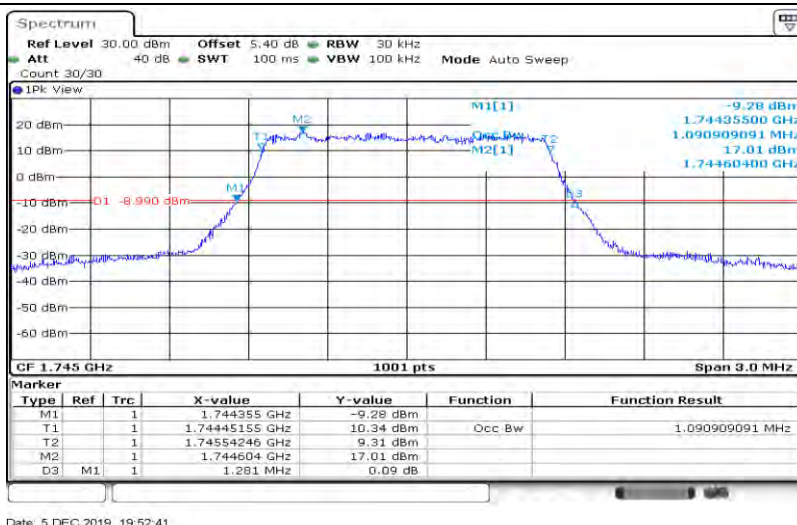


Band66-1.4MHz-16QAM-132322-6RB#0-1.091

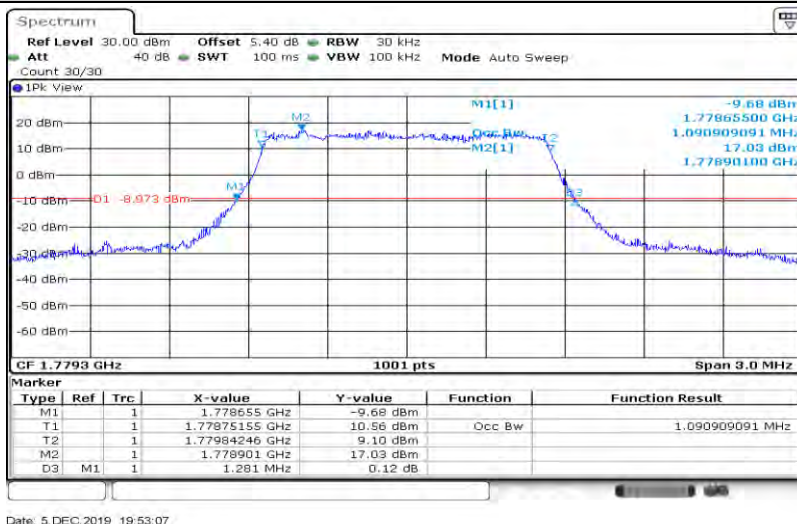


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

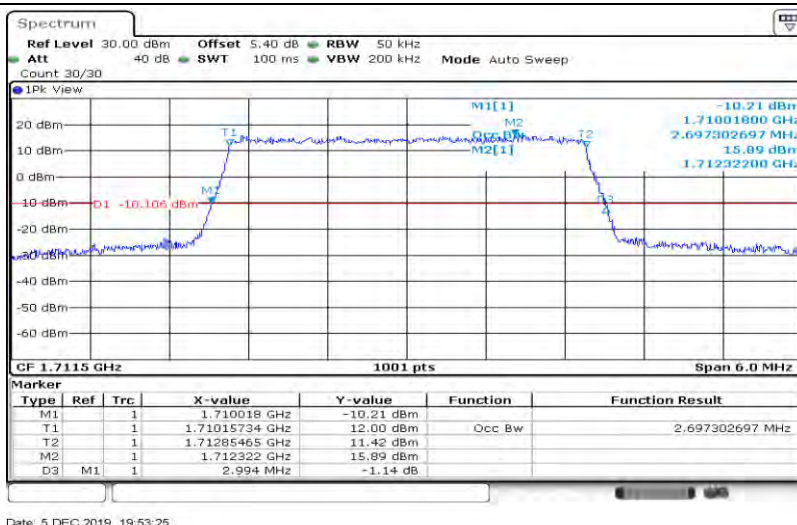


Band66-1.4MHz-16QAM-132665-6RB#0-1.091

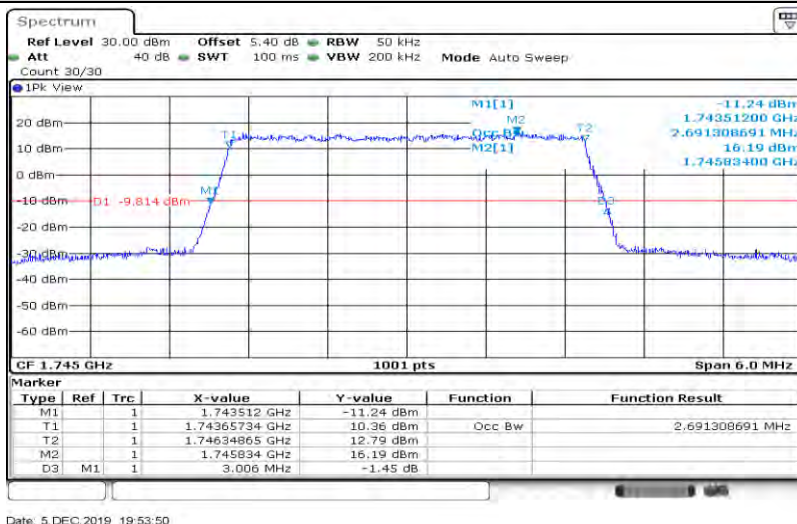


Band66-3MHz-QPSK-131987-15RB#0-2.697



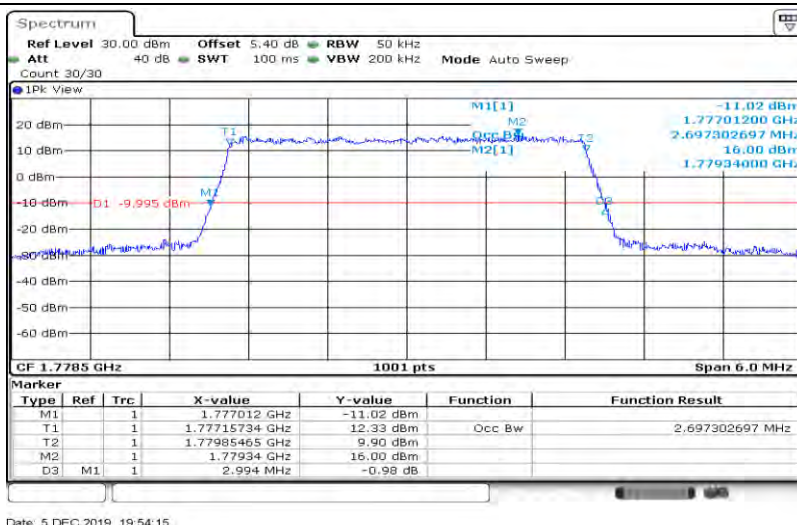


Band66-3MHz-QPSK-132322-15RB#0-2.691

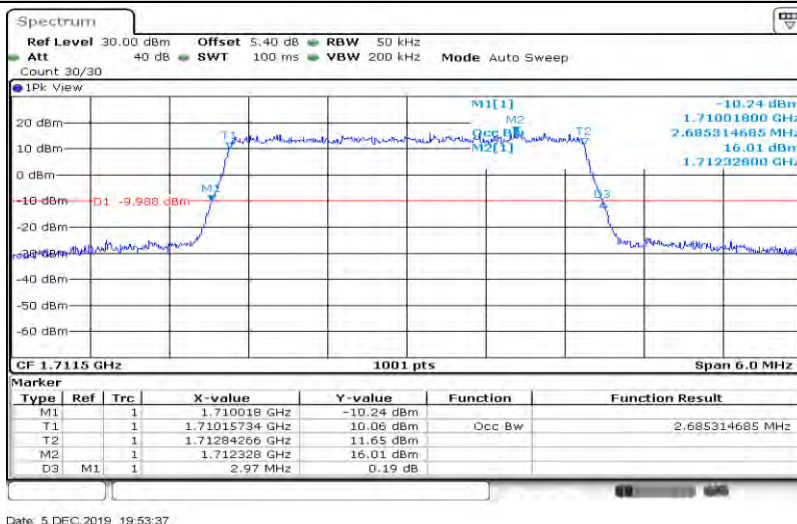


Band66-3MHz-QPSK-132657-15RB#0-2.697



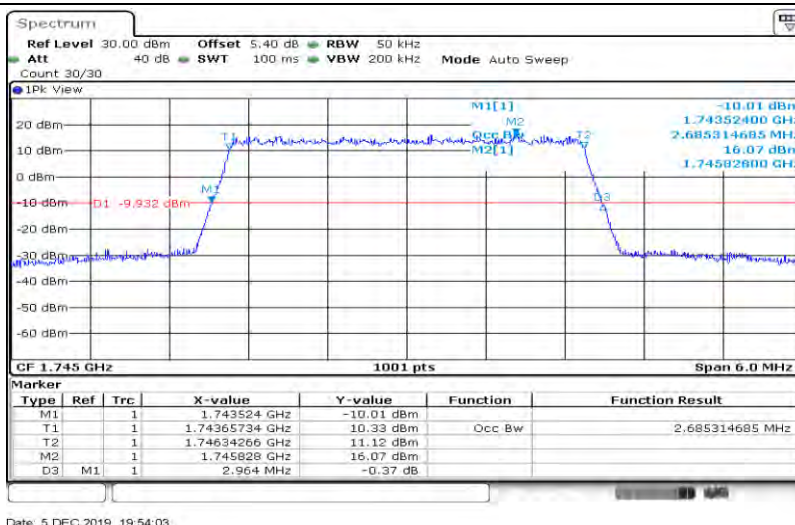


Band66-3MHz-16QAM-131987-15RB#0-2.685

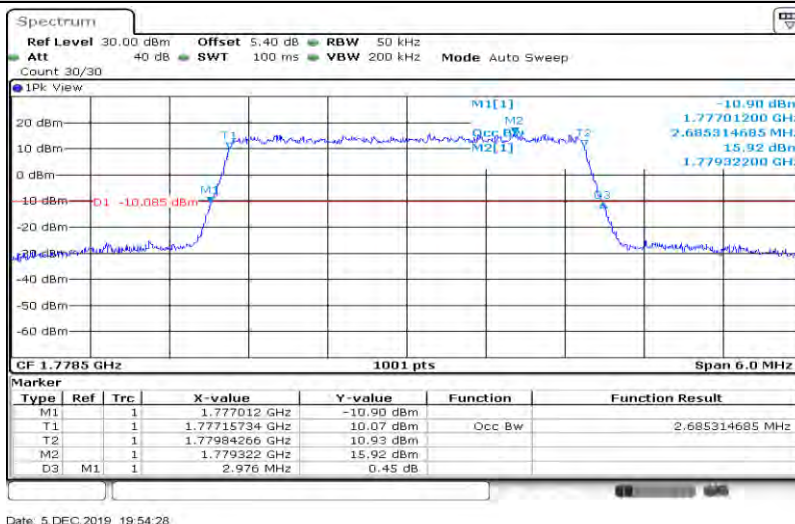


Band66-3MHz-16QAM-132322-15RB#0-2.685



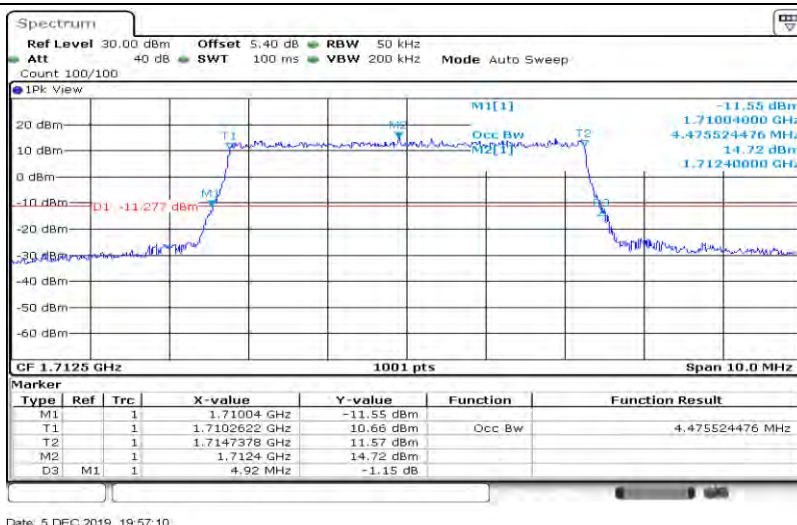


Band66-3MHz-16QAM-132657-15RB#0-2.685

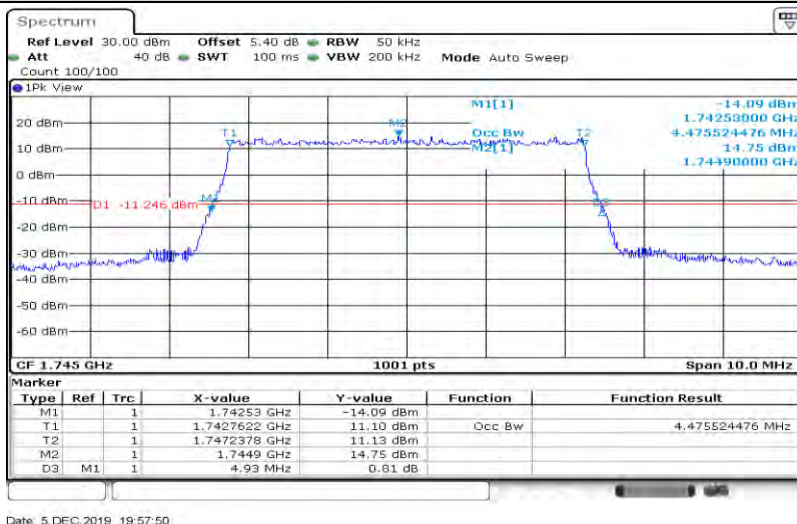


Band66-5MHz-QPSK-131997-25RB#0-4.476



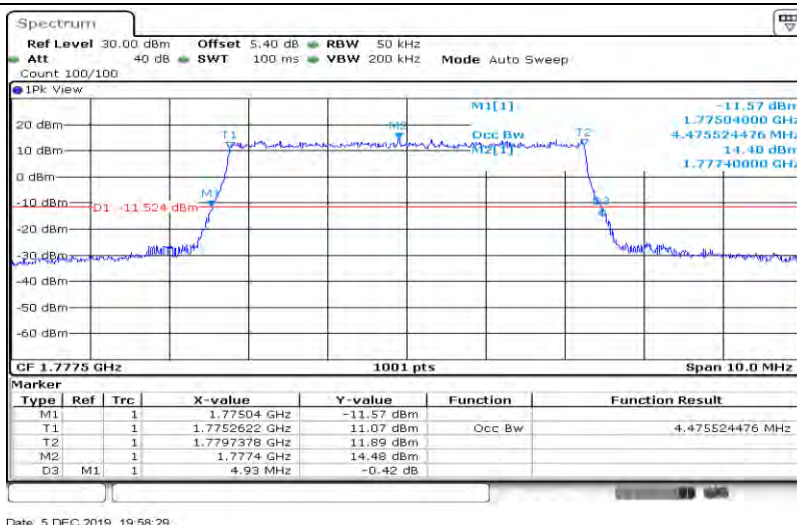


Band66-5MHz-QPSK-132322-25RB#0-4.476

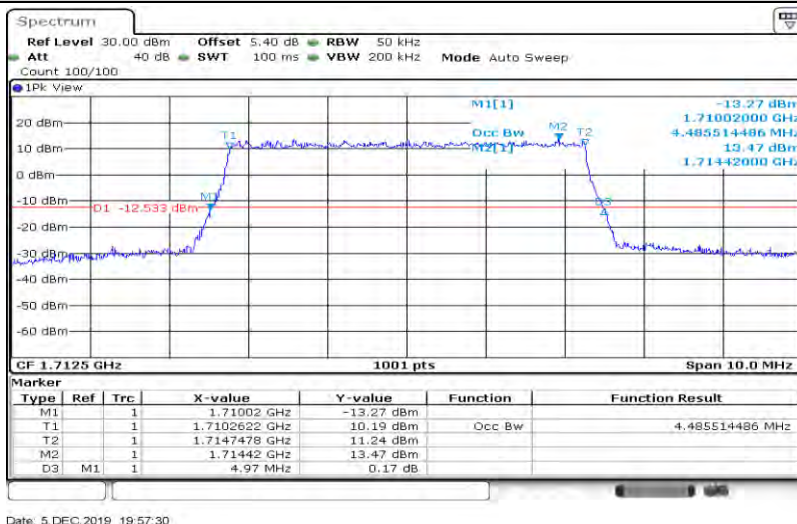


Band66-5MHz-QPSK-132647-25RB#0-4.476





Band66-5MHz-16QAM-131997-25RB#0-4.486

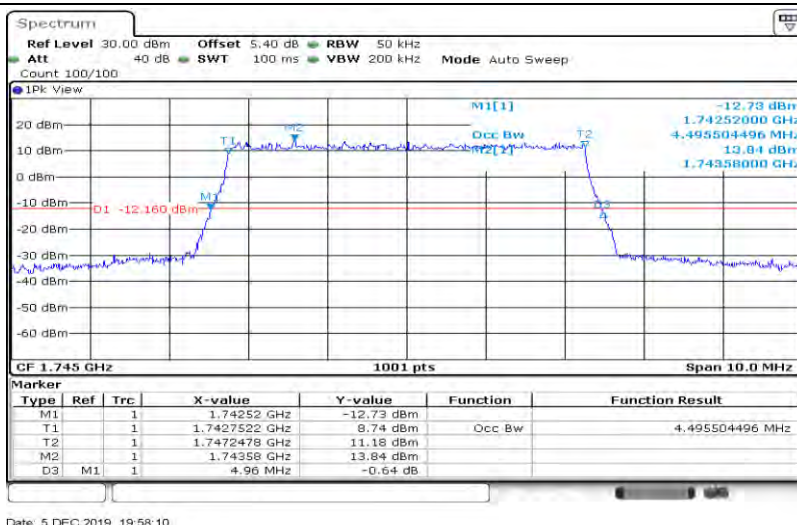


Band66-5MHz-16QAM-132322-25RB#0-4.496

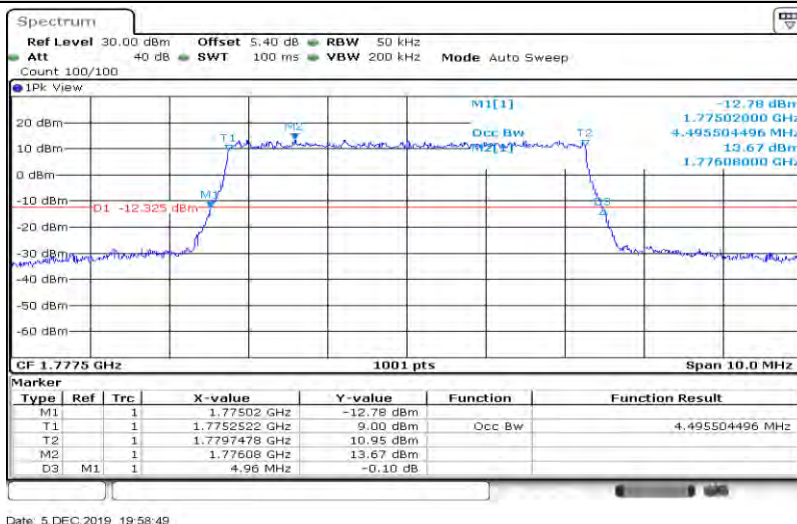


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

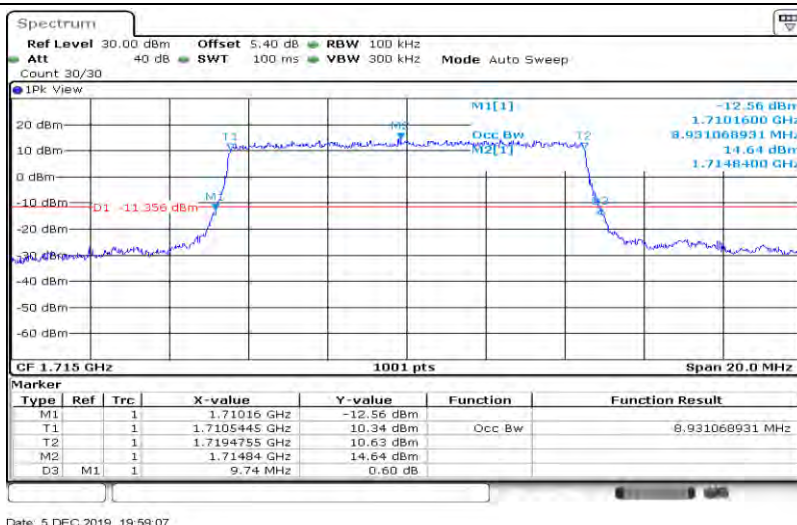


Band66-5MHz-16QAM-132647-25RB#0-4.496

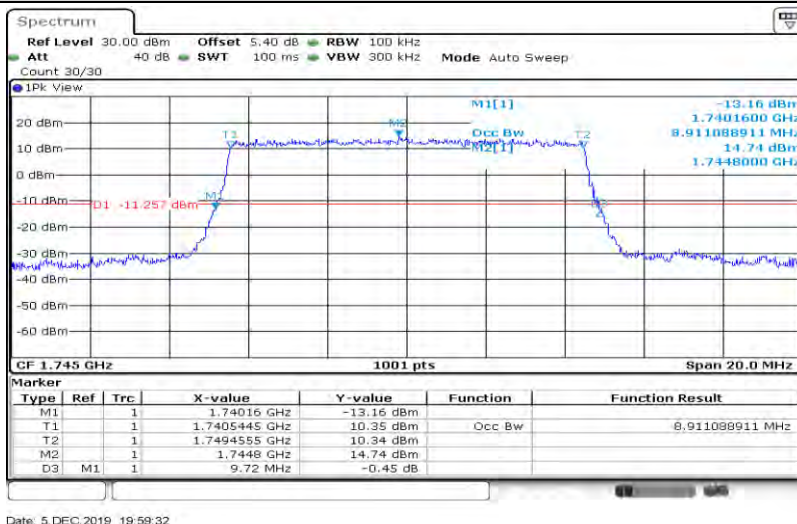


Band66-10MHz-QPSK-132022-50RB#0-8.931



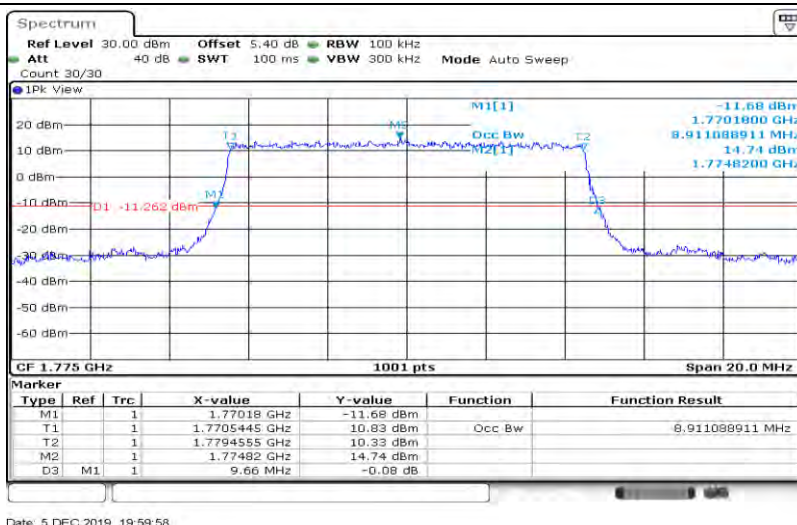


Band66-10MHz-QPSK-132322-50RB#0-8.911

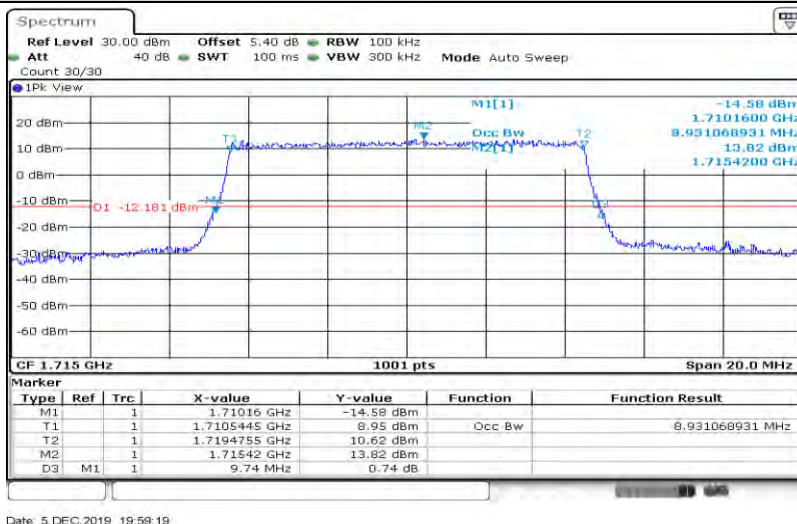


Band66-10MHz-QPSK-132622-50RB#0-8.911



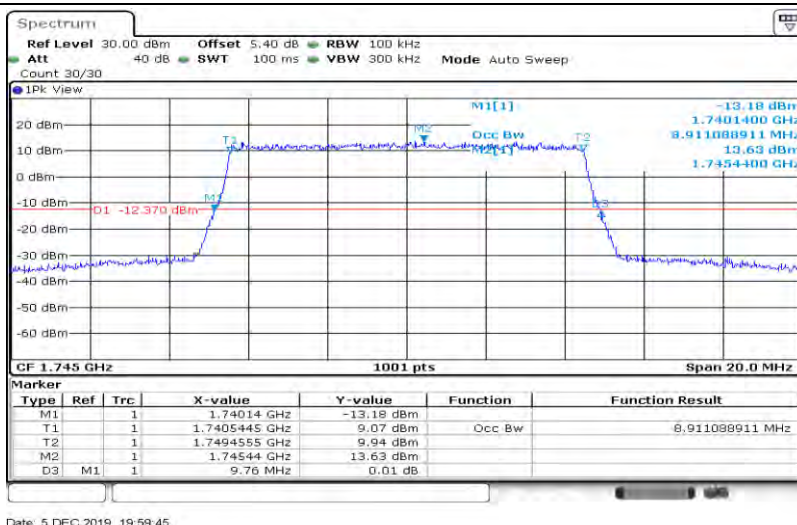


Band66-10MHz-16QAM-132022-50RB#0-8.931

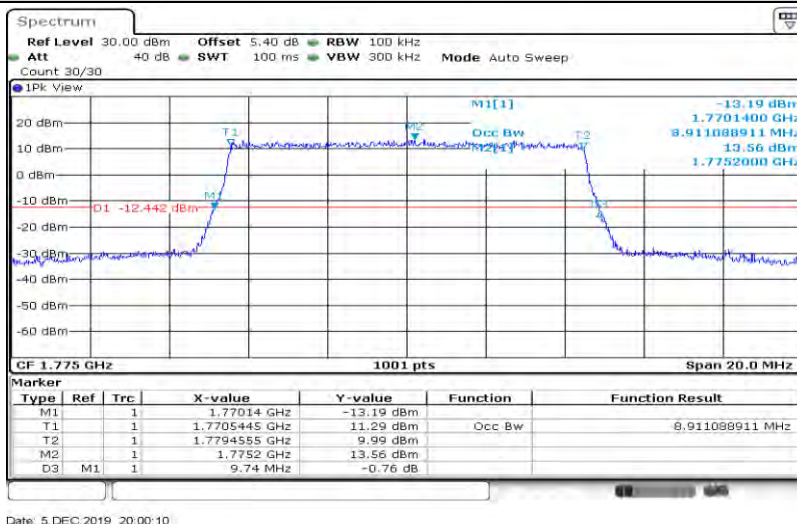


Band66-10MHz-16QAM-132322-50RB#0-8.911



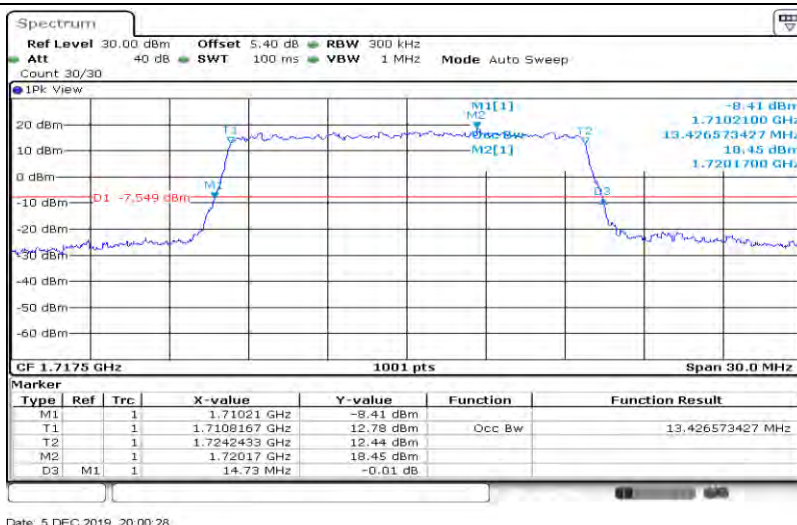


Band66-10MHz-16QAM-132622-50RB#0-8.911

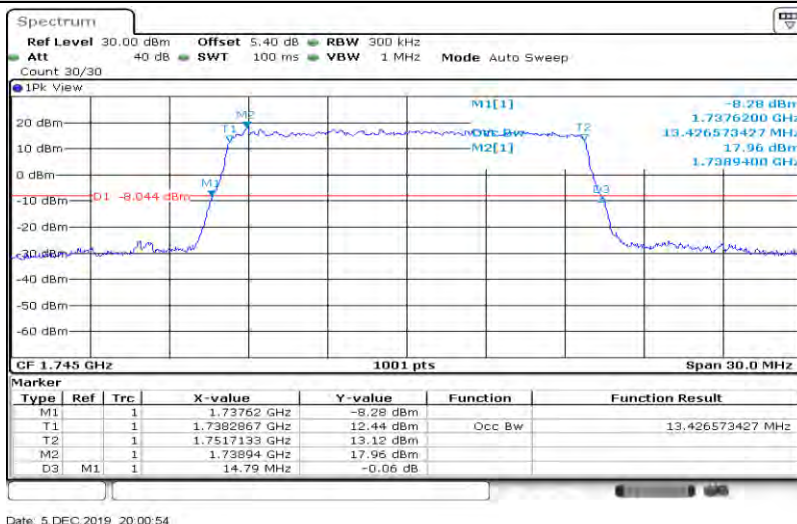


Band66-15MHz-QPSK-132047-75RB#0-13.427



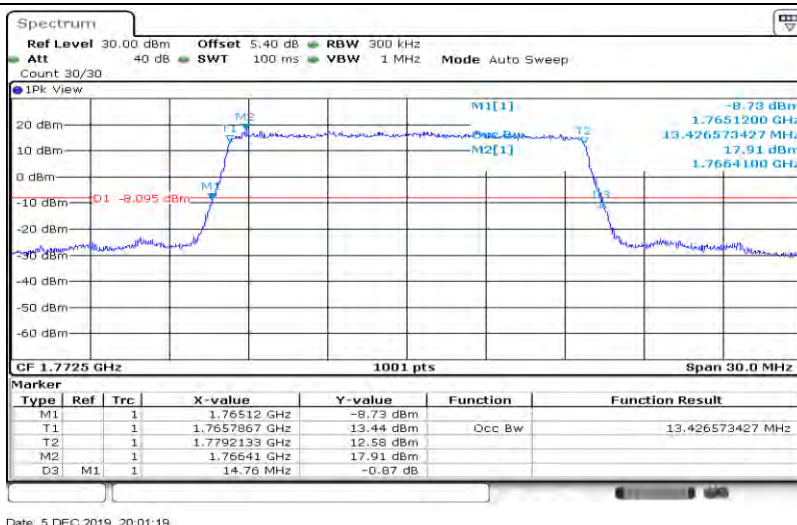


Band66-15MHz-QPSK-132322-75RB#0-13.427

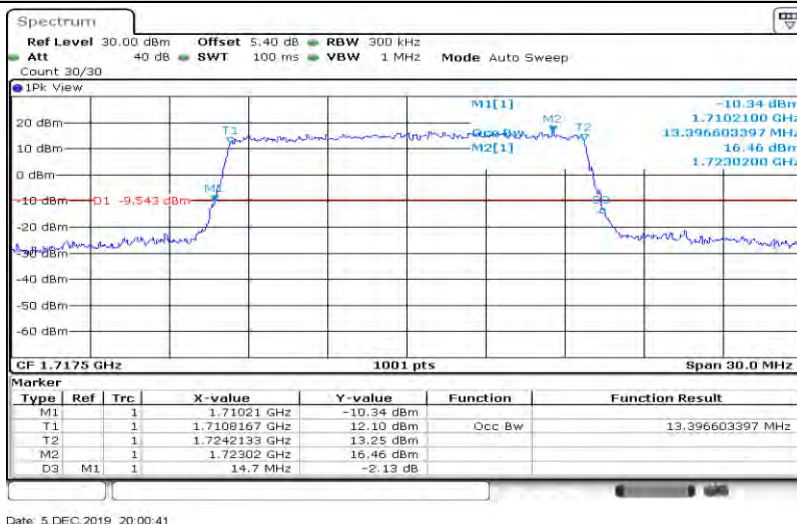


Band66-15MHz-QPSK-132597-75RB#0-13.427



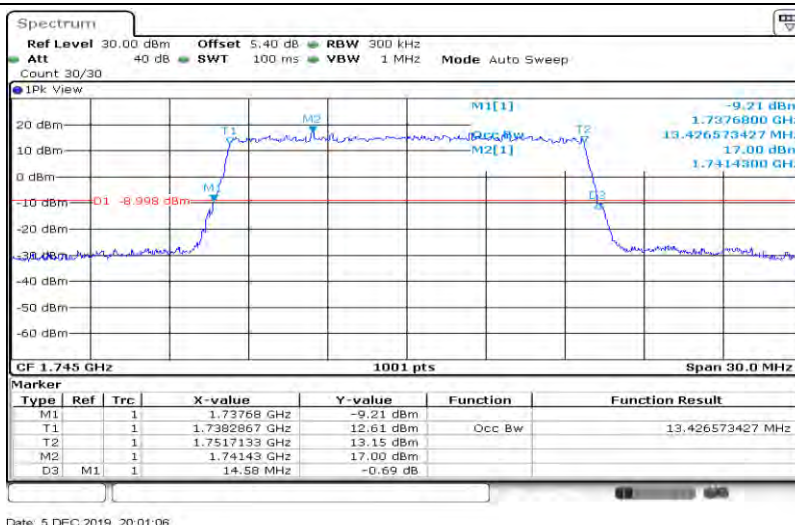


Band66-15MHz-16QAM-132047-75RB#0-13.397

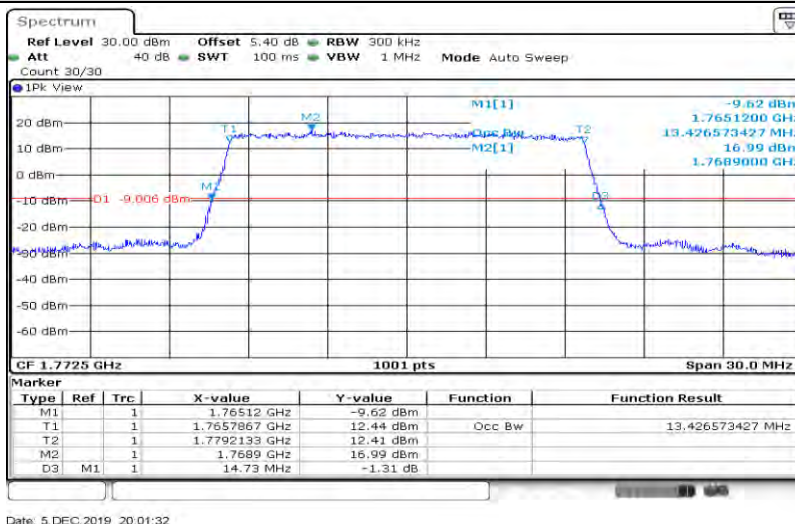


Band66-15MHz-16QAM-132322-75RB#0-13.427





Band66-15MHz-16QAM-132597-75RB#0-13.427

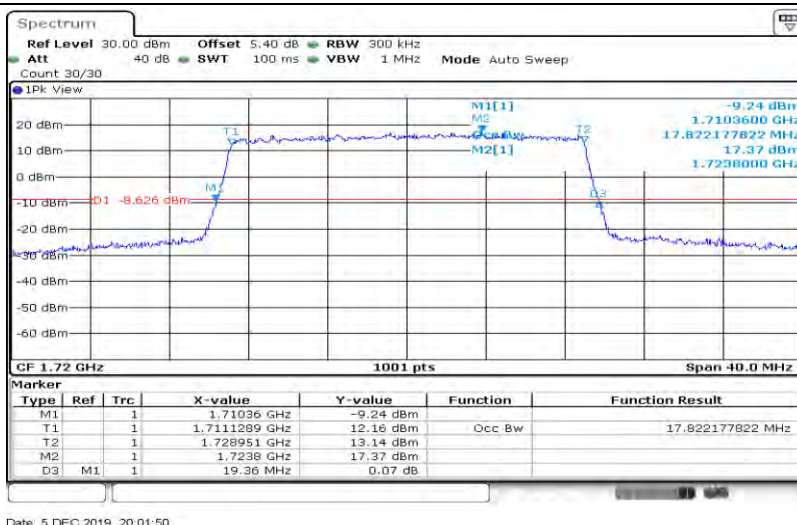


Band66-20MHz-QPSK-132072-100RB#0-17.822

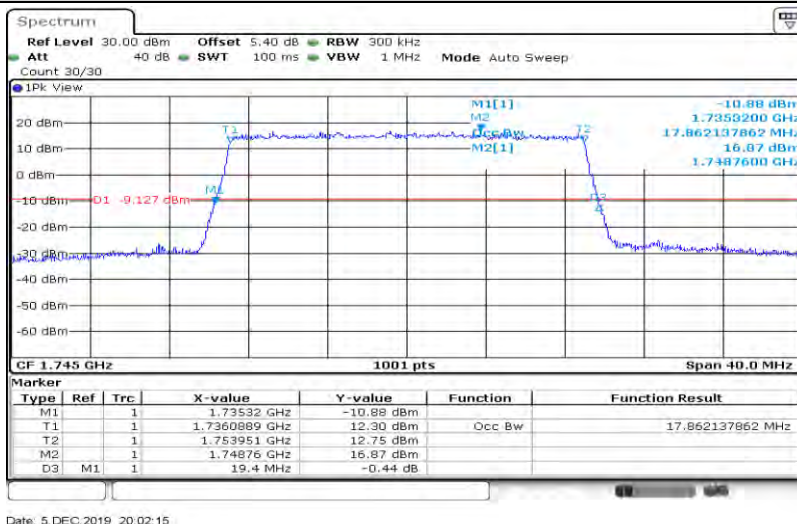


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band66-20MHz-QPSK-132322-100RB#0-17.862

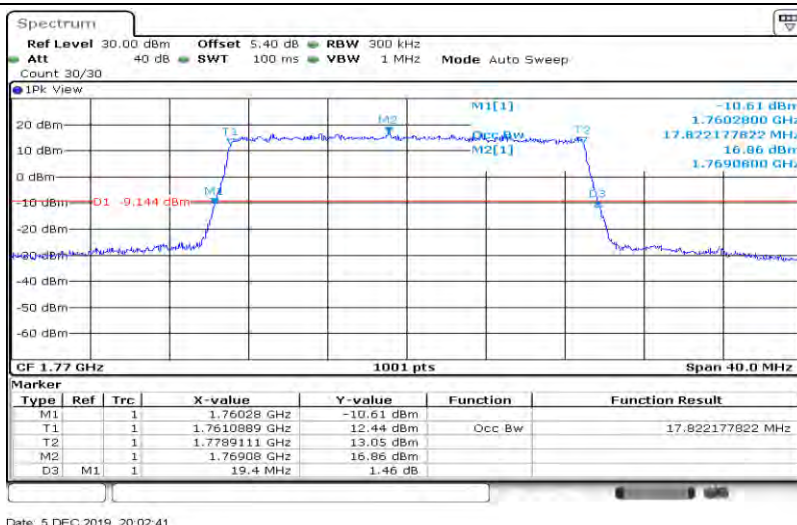


Band66-20MHz-QPSK-132572-100RB#0-17.822

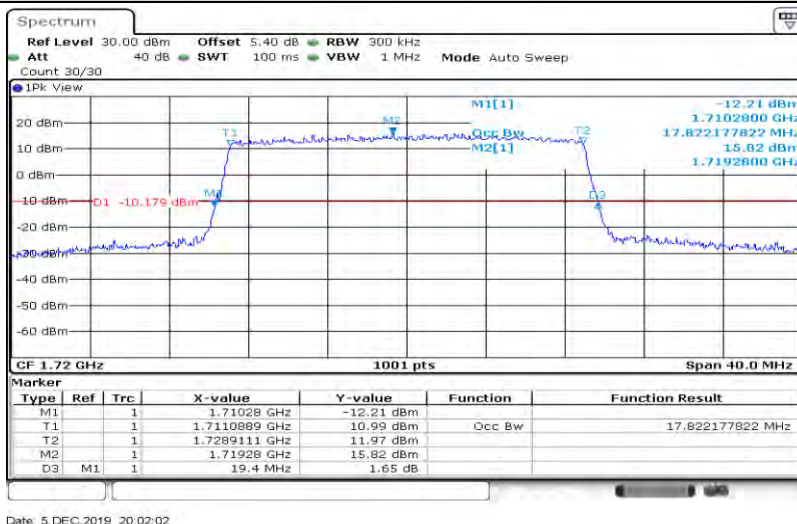


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band66-20MHz-16QAM-132072-100RB#0-17.822

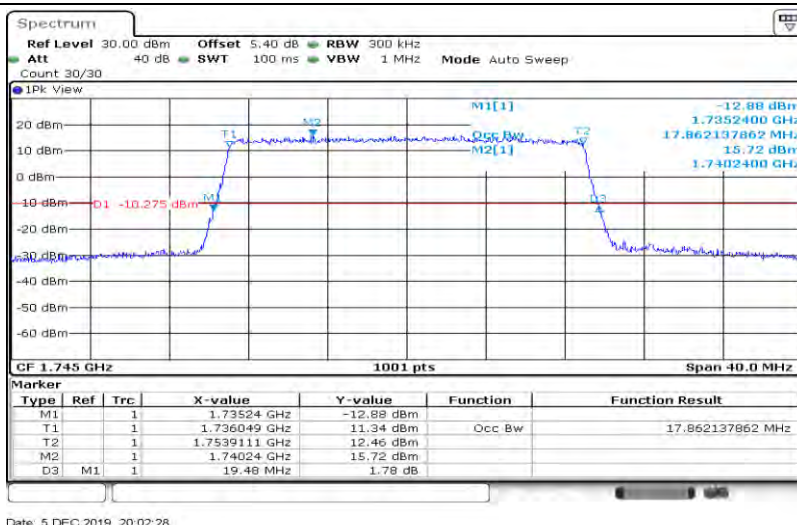


Band66-20MHz-16QAM-132322-100RB#0-17.862

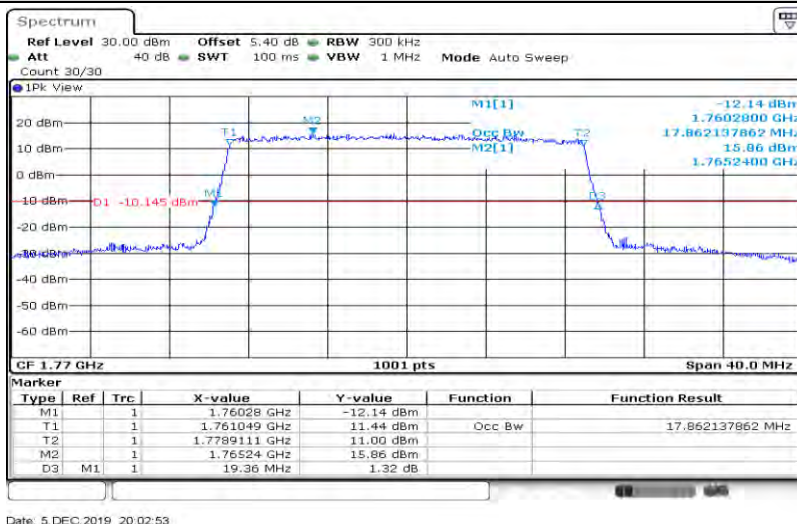


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band66-20MHz-16QAM-132572-100RB#0-17.862



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

Band66-1.4MHz-QPSK-131979-1RB#0



Date: 5 DEC. 2019 20:03:18

Band66-1.4MHz-QPSK-131979-6RB#0



Date: 5 DEC. 2019 20:03:57

Band66-1.4MHz-QPSK-132665-1RB#5



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



Band66-1.4MHz-QPSK-132665-6RB#0



Band66-1.4MHz-16QAM-131979-1RB#0





Band66-1.4MHz-16QAM-131979-6RB#0



Band66-1.4MHz-16QAM-132665-1RB#5



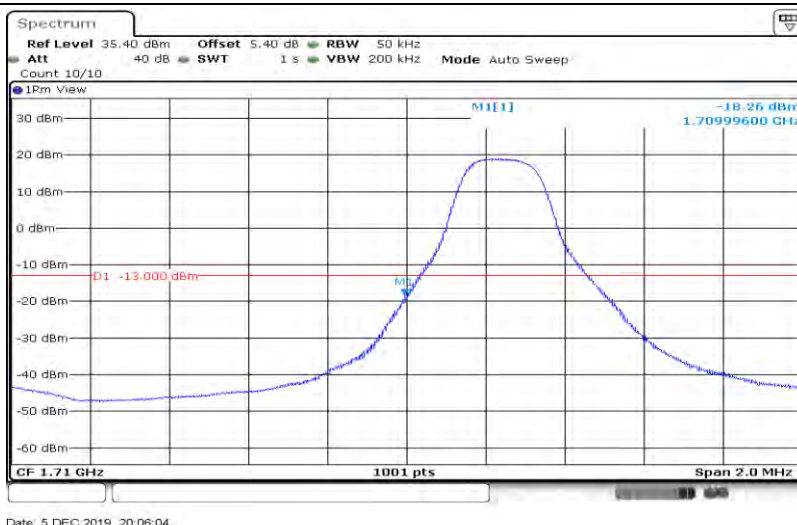


Band66-1.4MHz-16QAM-132665-6RB#0



Band66-3MHz-QPSK-131987-1RB#0



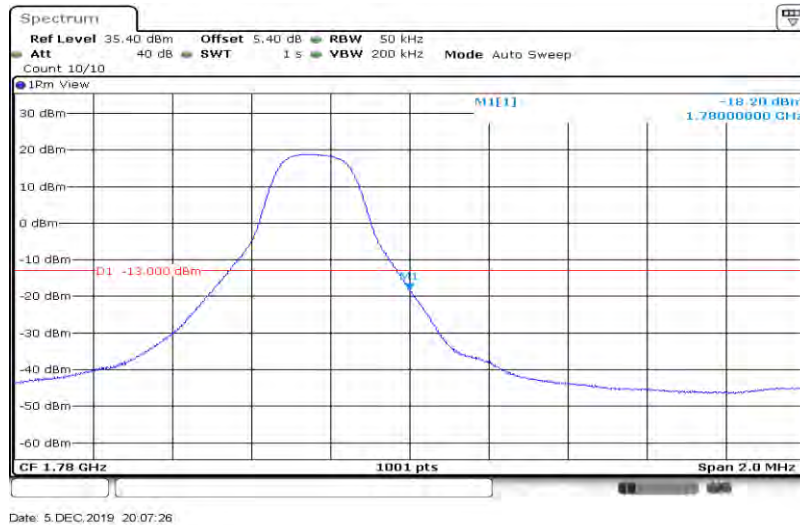


Band66-3MHz-QPSK-131987-15RB#0



Band66-3MHz-QPSK-132657-1RB#14





Band66-3MHz-QPSK-132657-15RB#0



Band66-3MHz-16QAM-131987-1RB#0



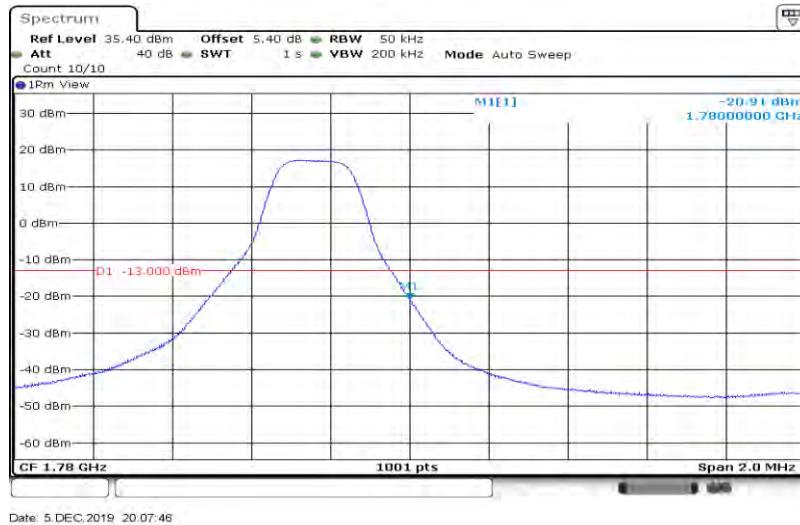


Band66-3MHz-16QAM-131987-15RB#0



Band66-3MHz-16QAM-132657-1RB#14





Band66-3MHz-16QAM-132657-15RB#0



Band66-5MHz-QPSK-131997-1RB#0





Band66-5MHz-QPSK-131997-25RB#0



Band66-5MHz-QPSK-132647-1RB#24





Band66-5MHz-QPSK-132647-25RB#0



Band66-5MHz-16QAM-131997-1RB#0





Band66-5MHz-16QAM-131997-25RB#0



Band66-5MHz-16QAM-132647-1RB#24



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

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

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



Band66-5MHz-16QAM-132647-25RB#0



Band66-10MHz-QPSK-132022-1RB#0



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

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



Band66-10MHz-QPSK-132022-50RB#0



Band66-10MHz-QPSK-132622-1RB#49





Band66-10MHz-QPSK-132622-50RB#0



Band66-10MHz-16QAM-132022-1RB#0





Band66-10MHz-16QAM-132022-50RB#0



Band66-10MHz-16QAM-132622-1RB#49





Band66-10MHz-16QAM-132622-50RB#0



Band66-15MHz-QPSK-132047-1RB#0





Date: 5 DEC. 2019 20:14:20

Band66-15MHz-QPSK-132047-75RB#0



Date: 5 DEC. 2019 20:14:59

Band66-15MHz-QPSK-132597-1RB#74





Date: 5 DEC. 2019 20:15:43

Band66-15MHz-QPSK-132597-75RB#0



Date: 5 DEC. 2019 20:16:22

Band66-15MHz-16QAM-132047-1RB#0



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



Date: 5 DEC. 2019 20:14:40

Band66-15MHz-16QAM-132047-75RB#0



Date: 5 DEC. 2019 20:15:19

Band66-15MHz-16QAM-132597-1RB#74



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

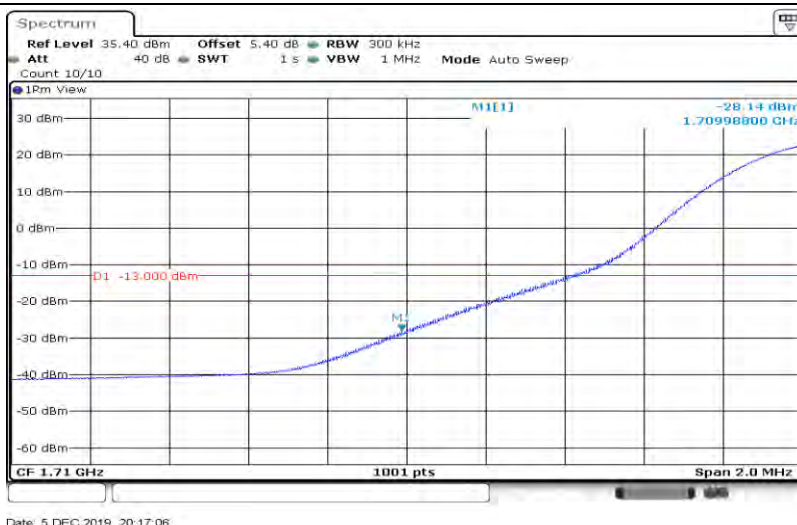


Band66-15MHz-16QAM-132597-75RB#0



Band66-20MHz-QPSK-132072-1RB#0





Band66-20MHz-QPSK-132072-100RB#0



Band66-20MHz-QPSK-132572-1RB#99



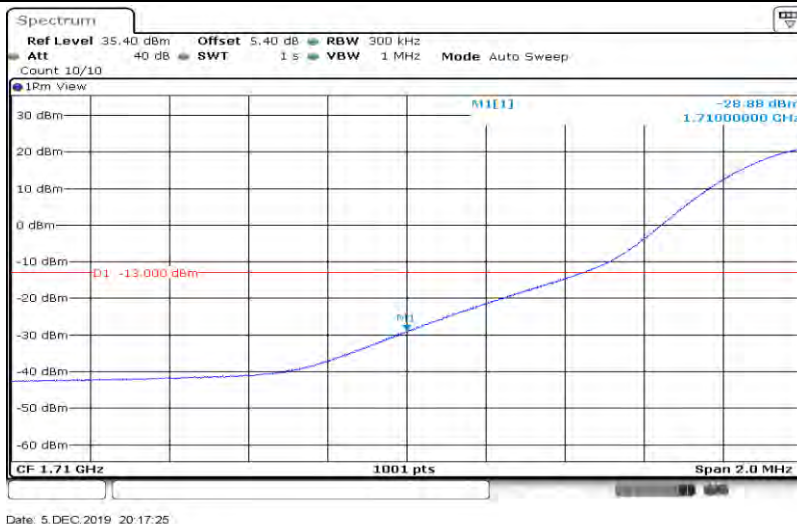


Band66-20MHz-QPSK-132572-100RB#0



Band66-20MHz-16QAM-132072-1RB#0





Band66-20MHz-16QAM-132072-100RB#0



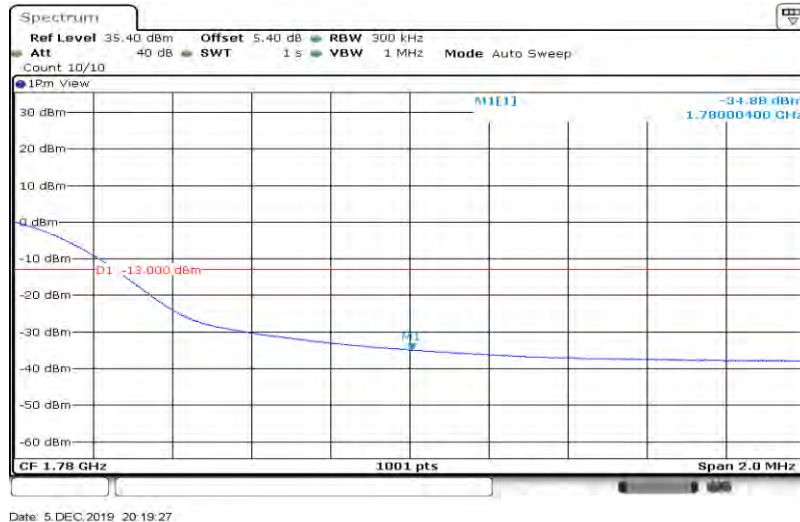
Band66-20MHz-16QAM-132572-1RB#99





Date: 5 DEC 2019 20:18:48

Band66-20MHz-16QAM-132572-100RB#0



Date: 5 DEC 2019 20:19:27



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

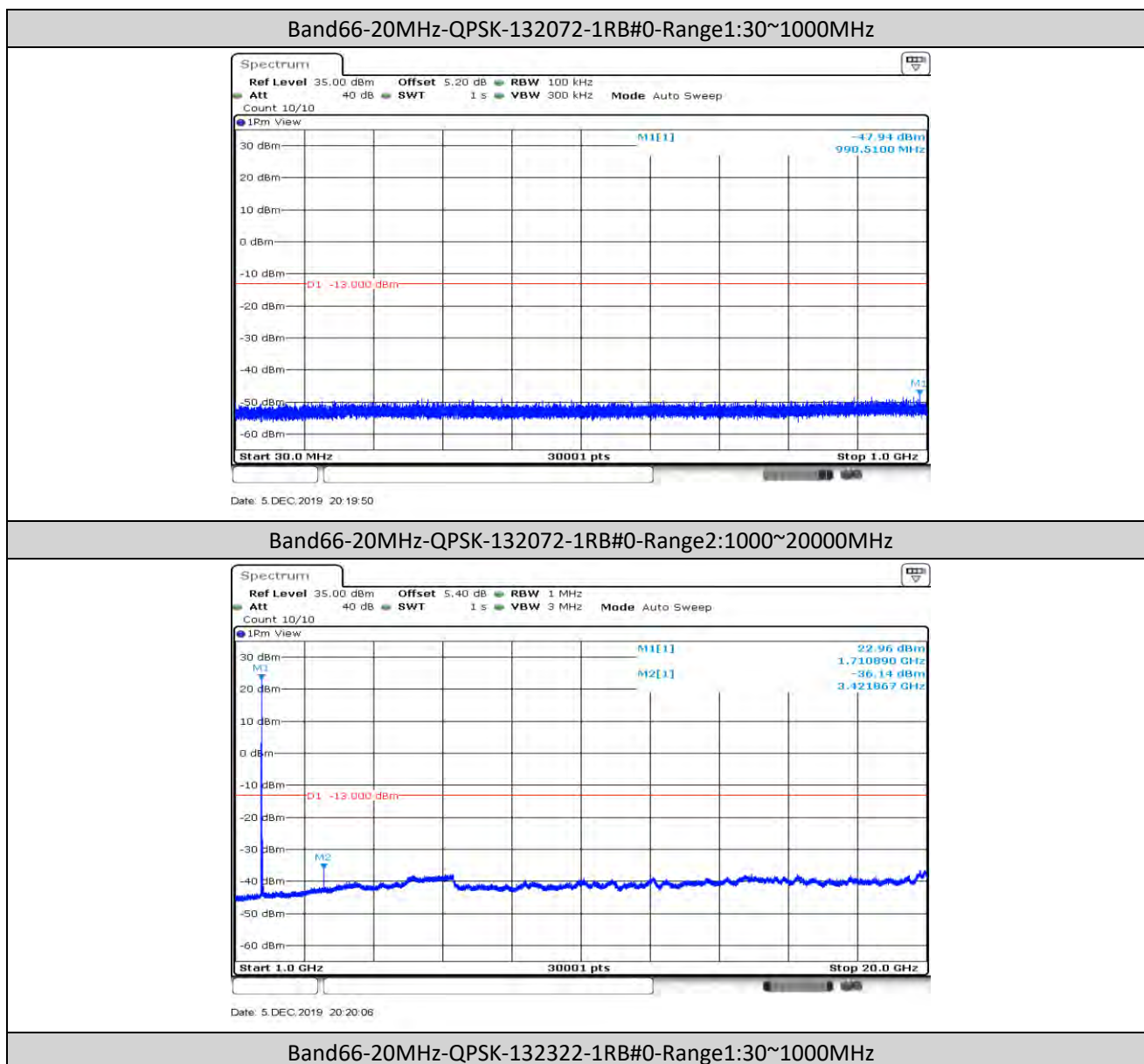
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

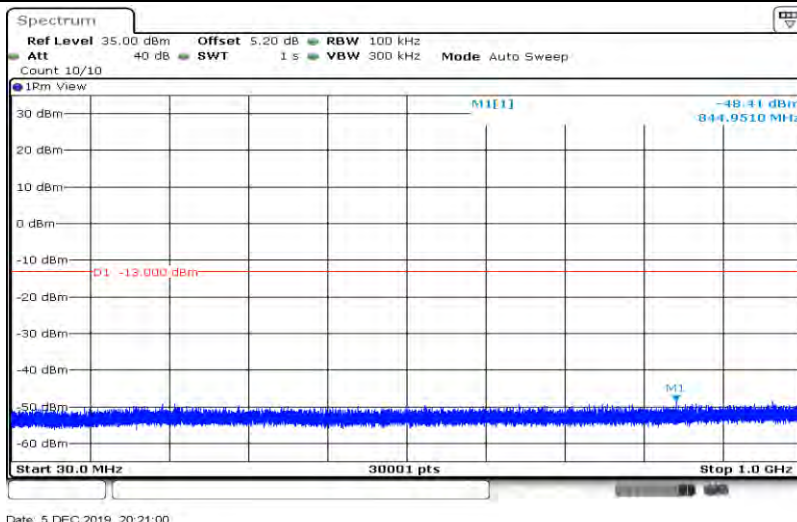
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

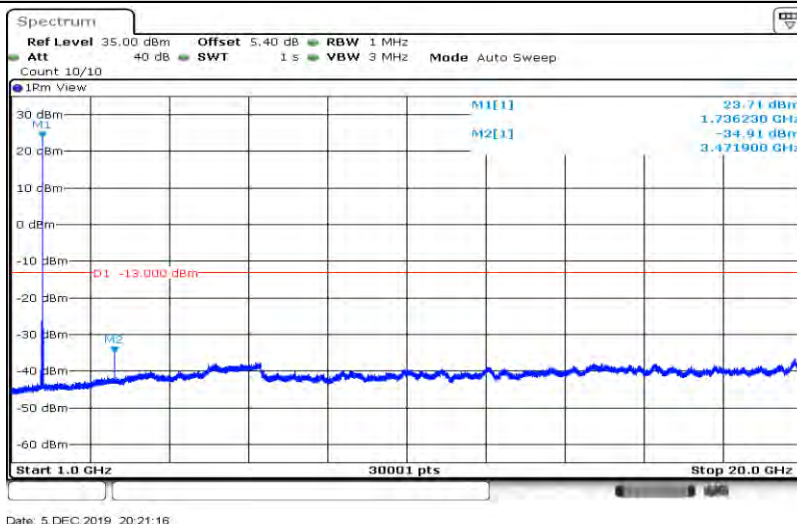


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

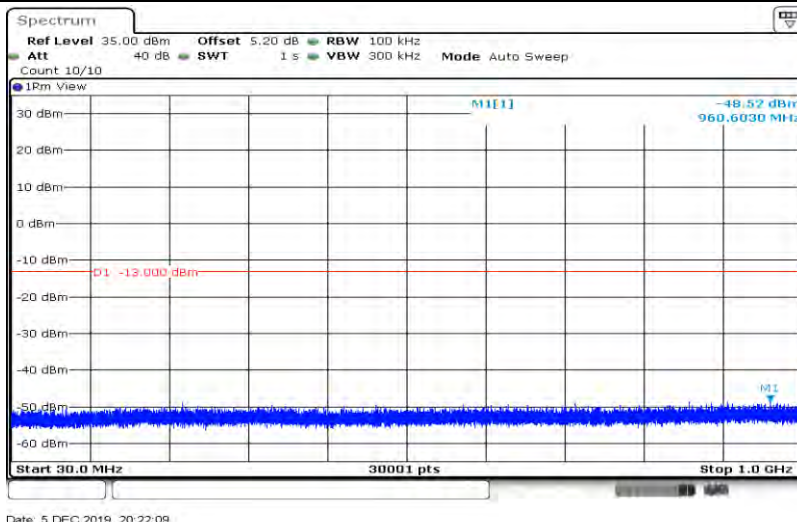


Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz

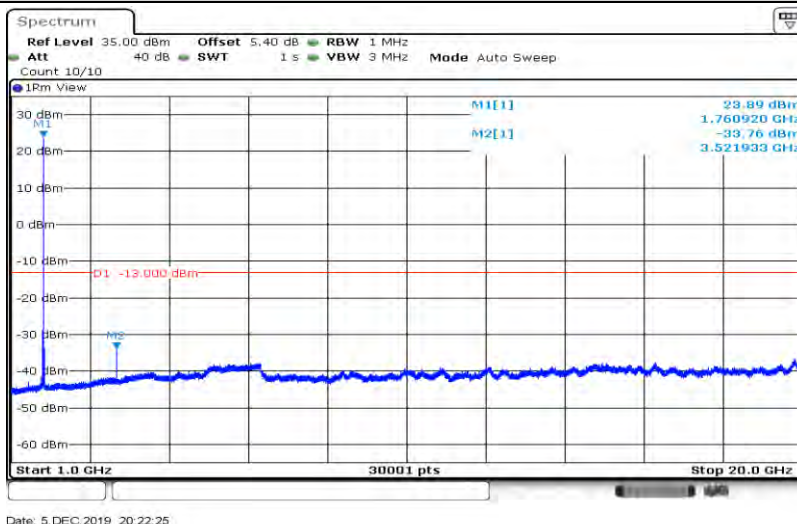


Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



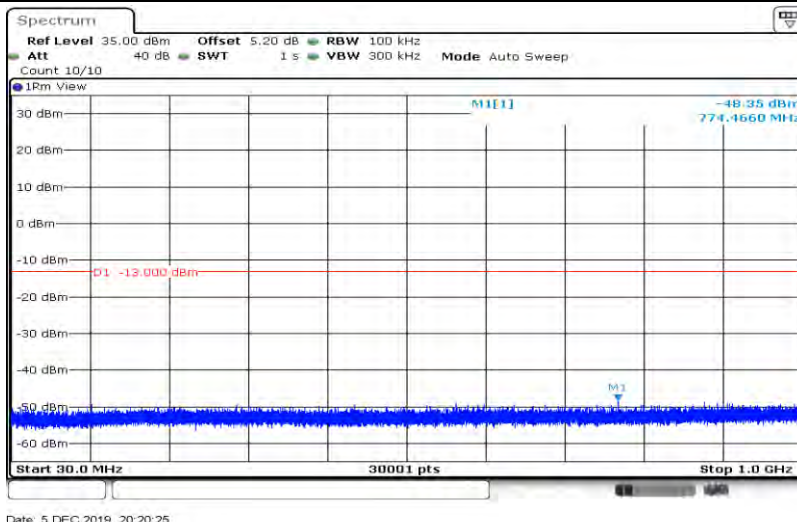


Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz

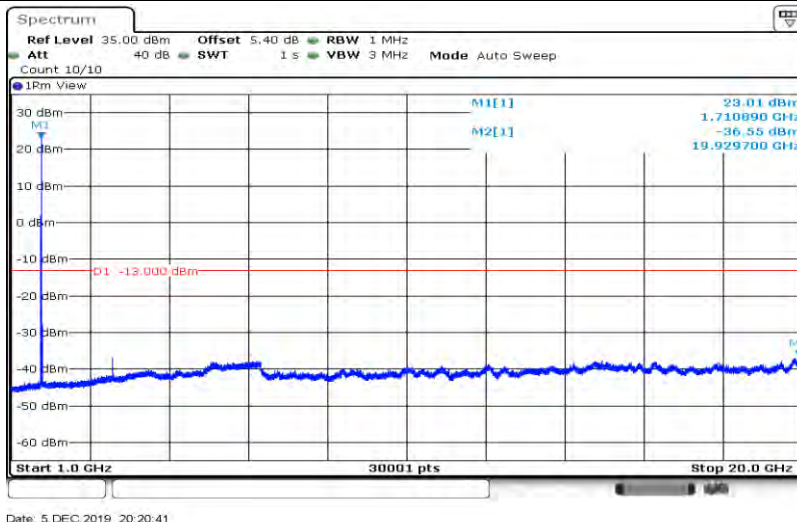


Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz



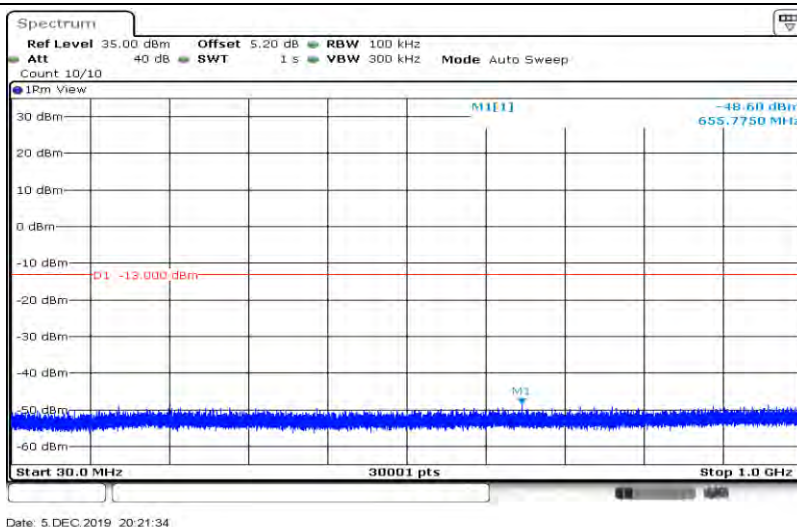


Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz

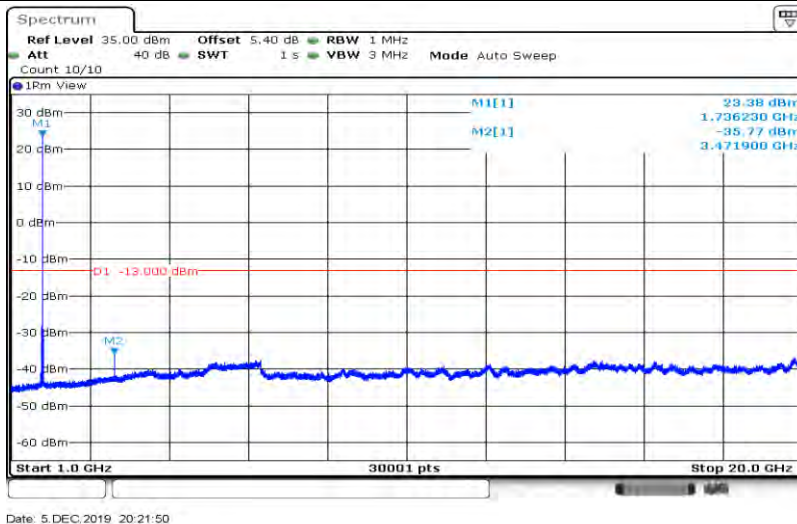


Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



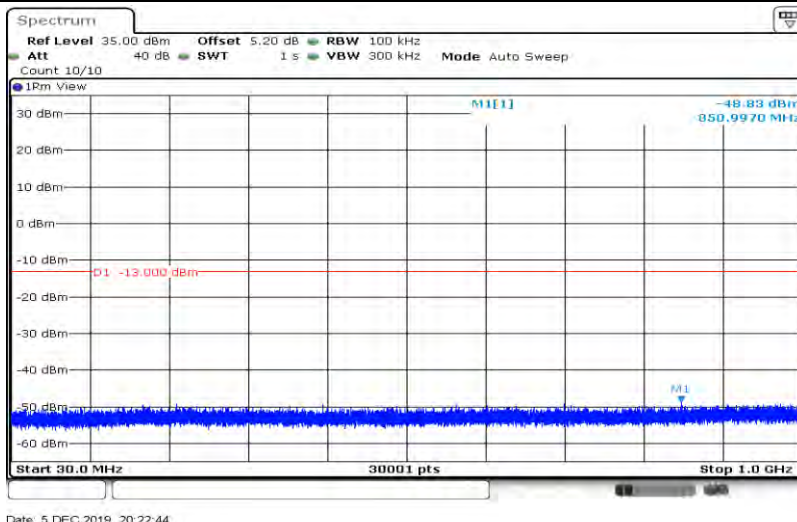


Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz

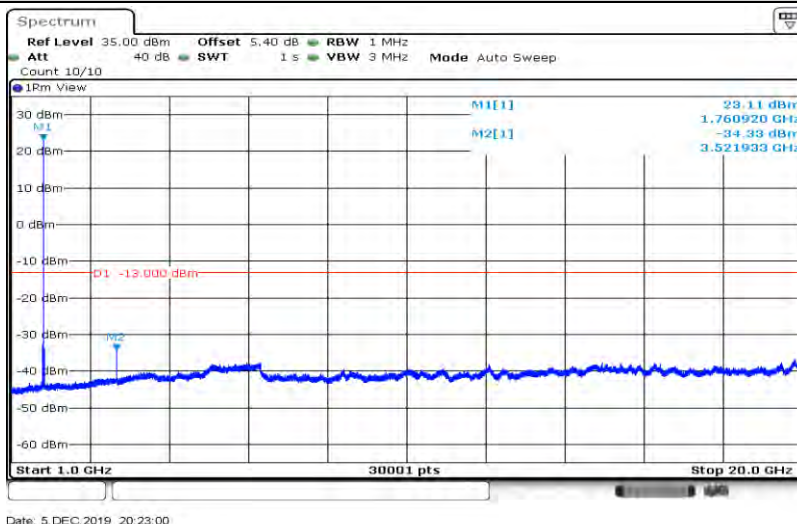


Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz





Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz



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

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

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



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.9403	-75.30	-13.00	62.30	271	38	Vertical
146.2118	-71.08	-13.00	58.08	245	102	Vertical
2704.7409	-37.59	-13.00	24.59	169	35	Vertical
3472.5158	-44.65	-13.00	31.65	184	134	Vertical
5208.5736	-54.83	-13.00	41.83	199	134	Vertical
17996.9999	-34.43	-13.00	21.43	178	3	Vertical
35.6263	-62.94	-13.00	49.94	184	324	Horizontal
138.6454	-70.77	-13.00	57.77	175	207	Horizontal
2699.1398	-36.29	-13.00	23.29	165	325	Horizontal
3472.0157	-39.51	-13.00	26.51	188	324	Horizontal
5208.5736	-55.88	-13.00	42.88	178	243	Horizontal
17996.4999	-39.58	-13.00	26.58	195	207	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
35.5778	-74.70	-13.00	61.70	174	122	Vertical
2702.7405	-37.54	-13.00	24.54	165	325	Vertical
3422.0141	-37.74	-13.00	24.74	184	156	Vertical
5133.5711	-53.06	-13.00	40.06	199	156	Vertical
8555.6852	-44.83	-13.00	31.83	175	21	Vertical
17997.9999	-34.09	-13.00	21.09	187	355	Vertical
35.5778	-58.06	-13.00	45.06	148	324	Horizontal
146.7453	-71.61	-13.00	58.61	175	227	Horizontal
2698.3397	-36.36	-13.00	23.36	162	156	Horizontal
3422.0141	-34.24	-13.00	21.24	195	48	Horizontal
5133.0711	-52.03	-13.00	39.03	188	123	Horizontal
16397.9466	-38.97	-13.00	25.97	192	123	Horizontal





7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
35.6263	-79.19	-13.00	66.19	174	116	Vertical
2693.5387	-37.53	-13.00	24.53	165	360	Vertical
3522.5174	-38.95	-13.00	25.95	198	148	Vertical
5283.5761	-55.61	-13.00	42.61	175	148	Vertical
8805.1935	-46.79	-13.00	33.79	165	16	Vertical
17990.4997	-34.19	-13.00	21.19	192	243	Vertical
35.5778	-66.71	-13.00	53.71	271	2	Horizontal
139.3730	-71.86	-13.00	58.86	254	208	Horizontal
2701.9404	-36.18	-13.00	23.18	236	38	Horizontal
3522.0174	-34.06	-13.00	21.06	247	99	Horizontal
5283.5761	-55.91	-13.00	42.91	258	245	Horizontal
16395.9465	-38.33	-13.00	25.33	249	34	Horizontal

Remark:

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





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
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	1.70	0.000988	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	1.00	0.000581	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	-0.30	-0.000174	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-2.80	-0.001605	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-3.00	-0.001719	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-1.40	-0.000802	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	1.10	0.000621	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	1.70	0.000960	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	1.70	0.000960	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	2.40	0.001395	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	2.00	0.001163	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	1.50	0.000872	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-3.00	-0.001719	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-3.10	-0.001777	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-3.70	-0.002120	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	1.00	0.000565	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	1.80	0.001017	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	1.00	0.000565	±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
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	0.70	0.000407	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	0.20	0.000116	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	2.40	0.001395	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	1.20	0.000698	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	1.50	0.000872	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-2.50	-0.001433	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-4.30	-0.002464	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-2.80	-0.001605	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	0.80	0.000452	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	0.70	0.000395	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	1.00	0.000565	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-0.40	-0.000226	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	1.50	0.000847	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	0.10	0.000058	±2.5	PASS



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

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



Band66	20MHz	16QAM	132072	100RB#0	NV	-20	1.60	0.000930	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	2.40	0.001395	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	1.50	0.000872	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	2.60	0.001512	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-3.20	-0.001834	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-4.00	-0.002292	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-3.00	-0.001719	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-2.70	-0.001547	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-0.50	-0.000282	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	0.20	0.000113	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-1.40	-0.000791	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	-1.90	-0.001073	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	-0.10	-0.000056	±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 (SGS-CSTC Laboratory)

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