

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).....	9
2.1.	TEST RESULT.....	9
2.2.	TEST PLOTS.....	9
3.	MODULATION CHARACTERISTICS	13
3.1.	TEST MODE = LTE /TM1 20MHz	13
3.1.1.	TEST CHANNEL = MCH	13
3.2.	TEST MODE = LTE /TM2 20MHz	14
3.2.1.	TEST CHANNEL = MCH	14
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	15
4.1.	TEST RESULT.....	15
4.2.	TEST PLOTS	16
5.	BAND EDGE COMPLIANCE	34
5.1.	TEST PLOTS	34
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	58
6.1.	TEST PLOTS	58
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	64
7.1.	TEST MODE =LTE/TM1	64
7.1.1.	TEST CHANNEL = LCH.....	64
7.1.2.	TEST CHANNEL = MCH	64
7.1.3.	TEST CHANNEL = HCH	65
8.	FREQUENCY STABILITY.....	66
8.1.	FREQUENCY Vs VOLTAGE.....	66
8.2.	FREQUENCY Vs TEMPERATURE	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 available at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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 notified that information contained herein refers to the company's findings and the opinion of its intervenient and within the limits of the Client's instructions. Any Company's sole responsibility is assumed and this document does not constitute a part to any transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or substance of this document is strictly prohibited and may result in severe civil and criminal penalties. If otherwise stated 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 (Shenzhen) Testing Laboratory

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
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	23.23	23.16	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.47	23.40	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.30	23.23	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.43	23.36	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.38	23.31	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.50	23.43	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.46	22.39	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.28	23.21	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.24	23.17	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.41	23.34	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.36	23.29	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.49	23.42	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.36	23.29	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.29	22.22	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.48	23.41	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.15	23.08	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.28	23.21	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.42	23.35	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.53	23.46	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.62	23.55	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.40	22.33	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.68	21.61	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.72	21.65	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.82	21.75	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.54	22.47	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.66	22.59	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.50	22.43	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.35	21.28	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.76	21.69	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.64	21.57	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.26	22.19	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.53	22.46	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.34	22.27	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.55	22.48	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.35	21.28	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.26	22.19	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.81	21.74	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.02	21.95	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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch 深圳分公司实验室

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	1.4MHz	16QAM	132665	3RB#3	22.31	22.24	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.61	22.54	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.58	22.51	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.44	21.37	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.51	23.44	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.45	23.38	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.48	23.41	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.34	22.27	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.46	22.39	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.46	22.39	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.43	22.36	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.34	23.27	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.28	23.21	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.42	23.35	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.36	22.29	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.38	22.31	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.48	22.41	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.35	22.28	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.16	23.09	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.34	23.27	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.48	23.41	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.44	22.37	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.50	22.43	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.39	22.32	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.52	22.45	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.77	21.70	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.78	21.71	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.47	21.40	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.23	21.16	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.16	21.09	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.30	21.23	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.33	21.26	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.82	21.75	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.83	21.76	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.84	21.77	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.25	21.18	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.20	21.13	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.02	20.95	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.38	21.31	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.28	22.21	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.83	21.76	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.22	22.15	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.58	21.51	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.18	21.11	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.29	21.22	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.44	21.37	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.64	23.57	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	5MHz	QPSK	131997	1RB#12	23.42	23.35	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.41	23.34	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.51	22.44	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.28	22.21	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.51	22.44	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.42	22.35	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.40	23.33	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.37	23.30	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.03	22.96	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.38	22.31	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.20	22.13	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.29	22.22	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.37	22.30	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.48	23.41	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.17	23.10	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.40	23.33	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.35	22.28	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.36	22.29	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.34	22.27	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.47	22.40	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.83	21.76	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.87	21.80	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.68	21.61	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.30	21.23	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#0	21.24	21.17	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.32	21.25	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.44	21.37	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.67	21.60	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.92	21.85	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.67	21.60	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.22	21.15	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.12	21.05	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.24	21.17	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.40	21.33	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.80	21.73	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.76	21.69	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.31	22.24	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.29	21.22	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.35	21.28	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.32	21.25	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.35	21.28	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.41	23.34	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	24.03	23.96	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.61	23.54	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.74	22.67	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.10	22.03	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.50	22.43	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.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	22.42	22.35	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.34	23.27	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.31	23.24	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.58	23.51	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.35	22.28	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.41	22.34	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.37	22.30	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.42	22.35	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.19	23.12	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.03	22.96	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.44	23.37	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.59	22.52	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.22	22.15	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.29	22.22	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.45	22.38	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.93	21.86	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.04	21.97	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.80	21.73	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.36	21.29	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.49	21.42	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.50	21.43	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.34	21.27	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.77	21.70	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.84	21.77	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.81	21.74	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.52	21.45	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.45	21.38	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.42	21.35	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.35	21.28	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.39	22.32	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.94	21.87	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.81	21.74	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.50	21.43	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.41	21.34	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.44	21.37	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.34	21.27	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.69	23.62	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.24	23.17	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.93	23.86	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.57	22.50	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.71	22.64	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.00	21.93	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.30	22.23	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.36	23.29	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.35	23.28	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.45	23.38	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.15	22.08	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



Band66	15MHz	QPSK	132322	36RB#39	22.43	22.36	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.32	22.25	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.35	22.28	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.00	22.93	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.77	22.70	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.65	23.58	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.24	22.17	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	22.83	22.76	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.07	22.00	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.62	22.55	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.31	22.24	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.96	21.89	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.97	21.90	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.41	21.34	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.50	21.43	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.46	21.39	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.42	21.35	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.66	21.59	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.75	21.68	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.29	22.22	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.36	21.29	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.33	21.26	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.35	21.28	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.39	21.32	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.03	21.96	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.03	21.96	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.97	21.90	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.36	21.29	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.46	21.39	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.40	21.33	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.40	21.33	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.34	23.27	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	24.42	24.35	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.36	23.29	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.92	22.85	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.05	21.98	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.51	22.44	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.28	22.21	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.61	23.54	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.54	23.47	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.25	23.18	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.41	22.34	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.08	22.01	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.39	22.32	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.37	22.30	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.64	23.57	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.84	22.77	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	20MHz	QPSK	132572	1RB#99	22.71	22.64	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.98	22.91	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.11	22.04	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.83	21.76	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.67	22.60	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.83	21.76	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.88	21.81	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.86	21.79	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.28	21.21	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.33	21.26	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.47	21.40	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.40	21.33	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.09	22.02	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.89	21.82	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.17	22.10	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.44	21.37	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.39	21.32	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.32	21.25	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.22	21.15	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.27	22.20	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.35	22.28	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.04	21.97	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.47	21.40	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.44	21.37	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.41	21.34	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.27	21.20	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 [dBd]

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



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

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

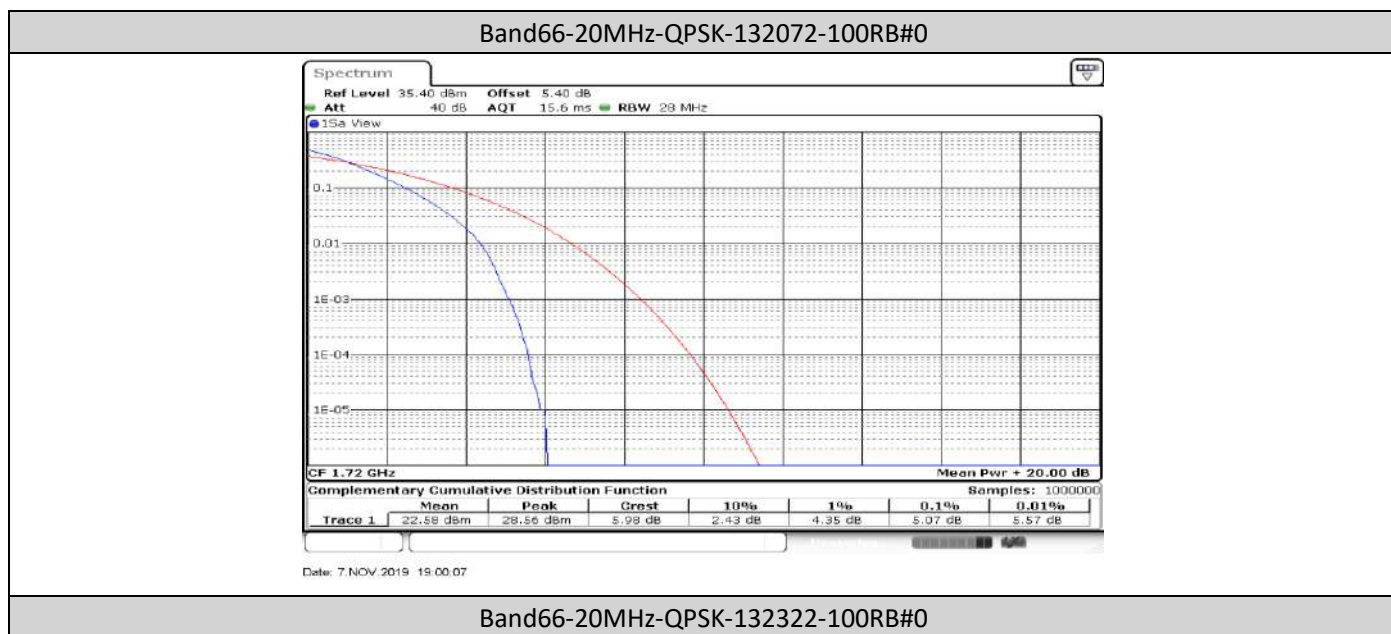


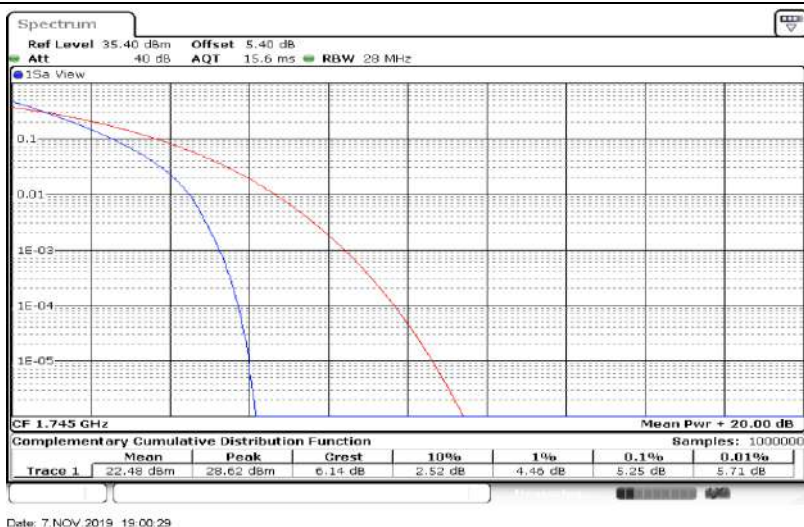
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

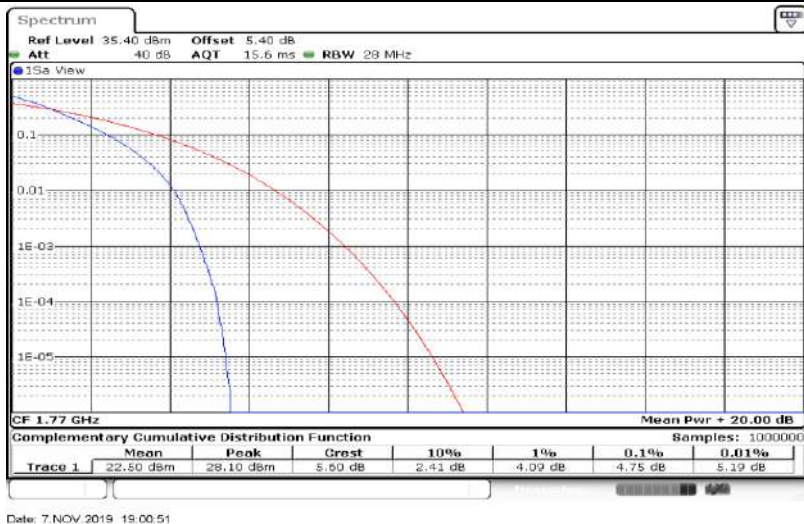
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.25	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.75	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.09	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.09	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.62	13	PASS

2.2. Test Plots





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



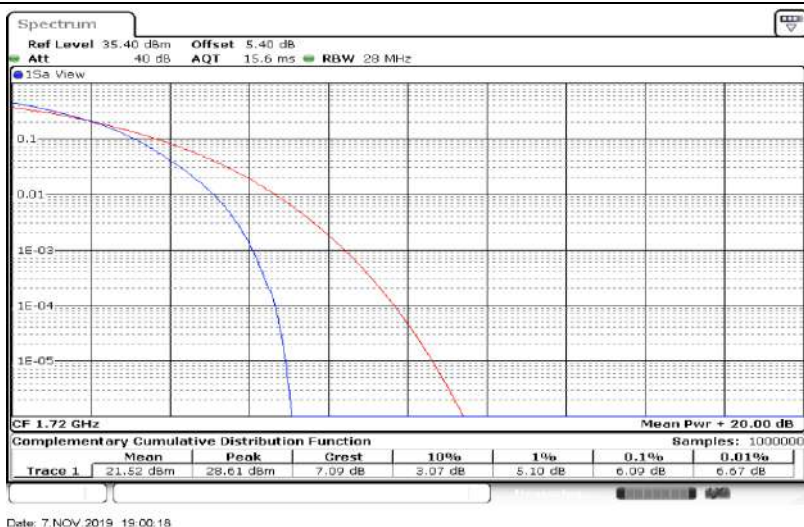
Band66-20MHz-16QAM-132072-100RB#0



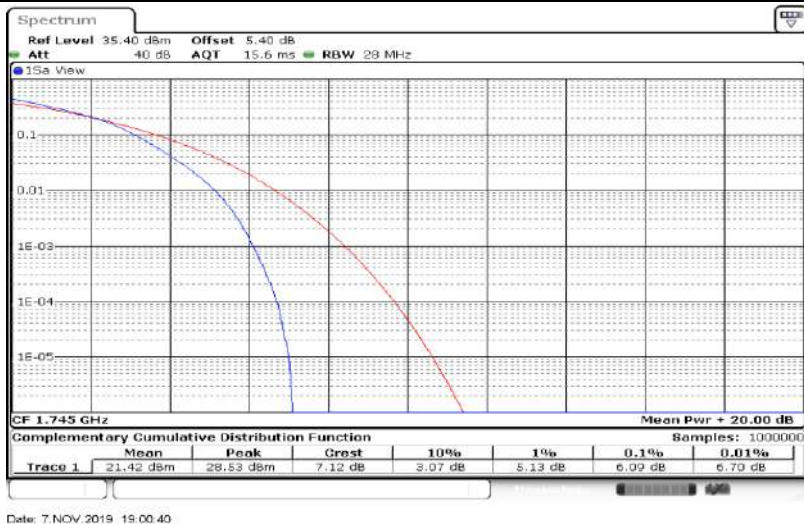
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 deemed to have read, understood and accepted the Terms and Conditions of the Company and 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 omission of any part of this document, whether intentional or not, shall be null and void. If the Client has otherwise stated 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.Docheck@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	www.sgs.china@sgs.com

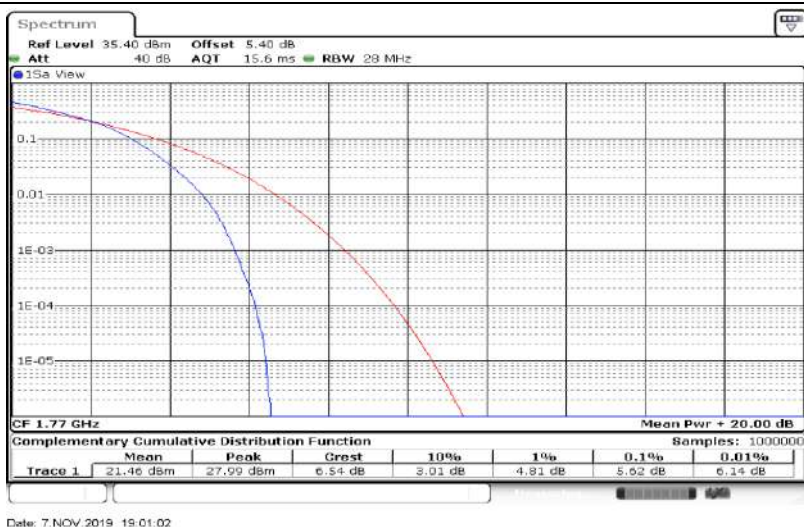


Band66-20MHz-16QAM-132322-100RB#0



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





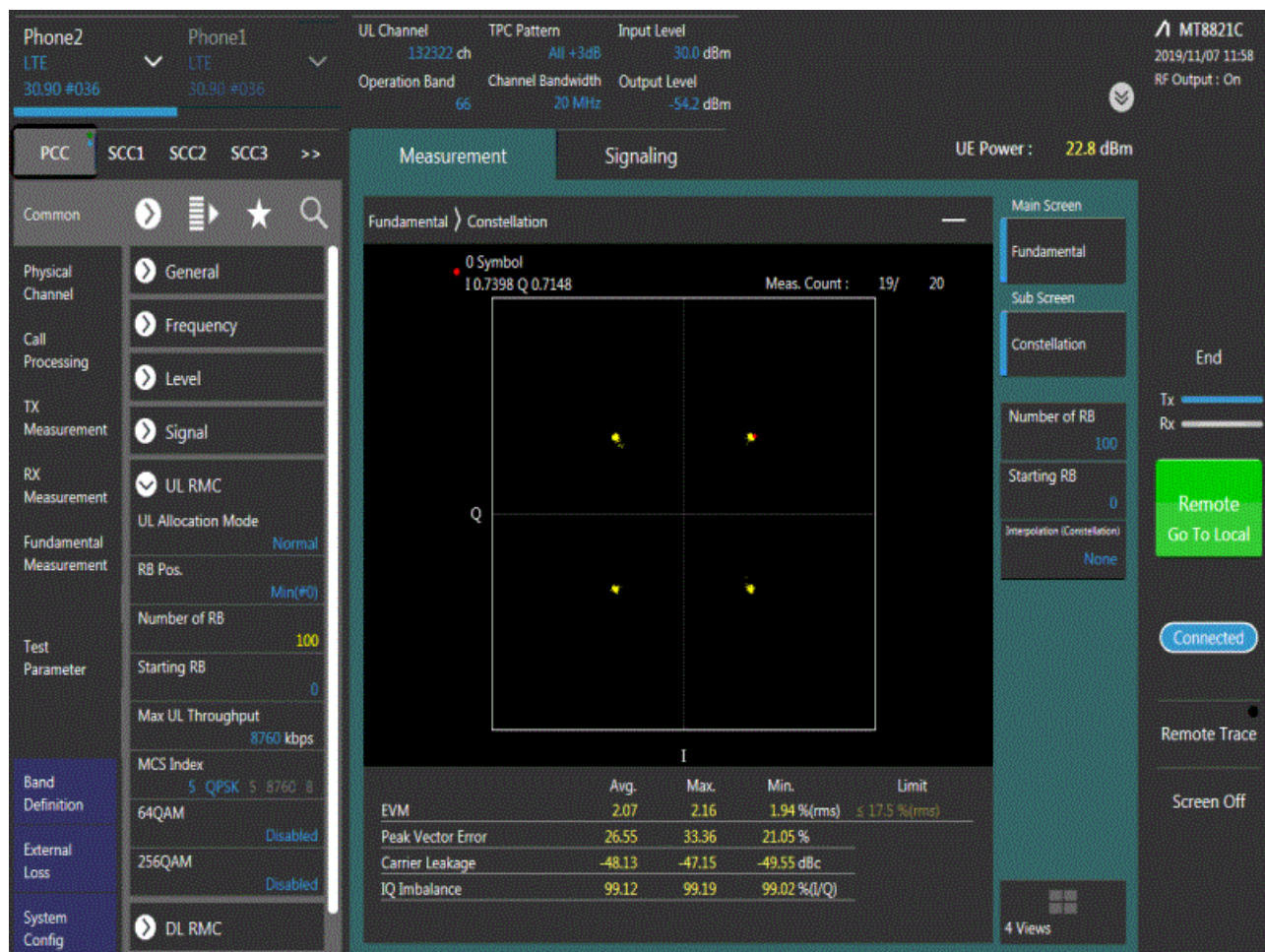
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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

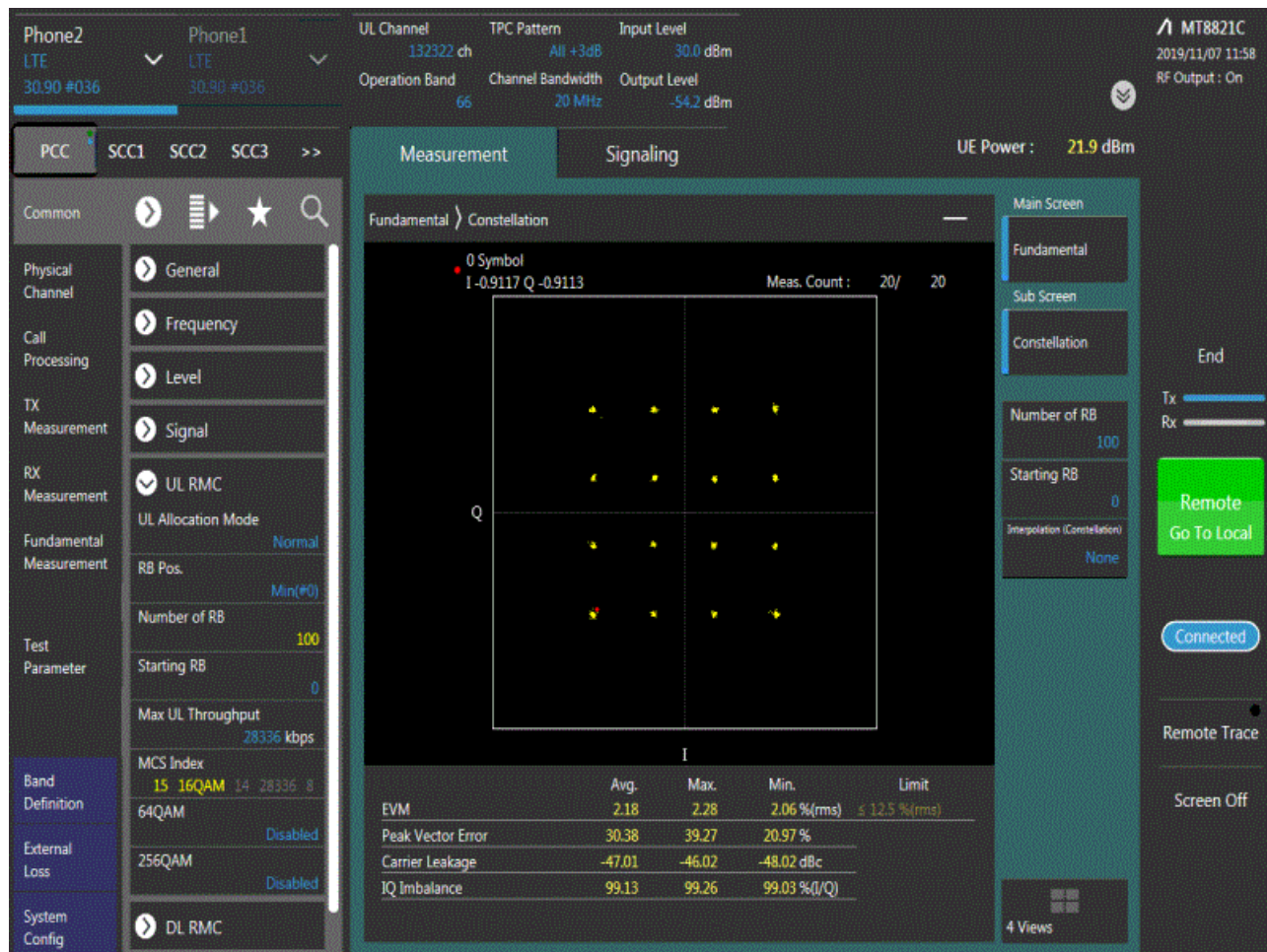
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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

3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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

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



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	1.094	1.287	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.091	1.284	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.091	1.290	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.287	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.293	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.281	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.697	2.988	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.697	2.994	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.691	2.988	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.976	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.970	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.685	2.976	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.466	4.950	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	4.960	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.486	4.950	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.496	4.960	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.911	9.760	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.931	9.720	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.911	9.700	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.911	9.760	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.931	9.720	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.911	9.740	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.427	14.760	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.457	14.820	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.397	14.760	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.427	14.700	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.457	14.700	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.397	14.700	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-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 / 深圳分公司实验室

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

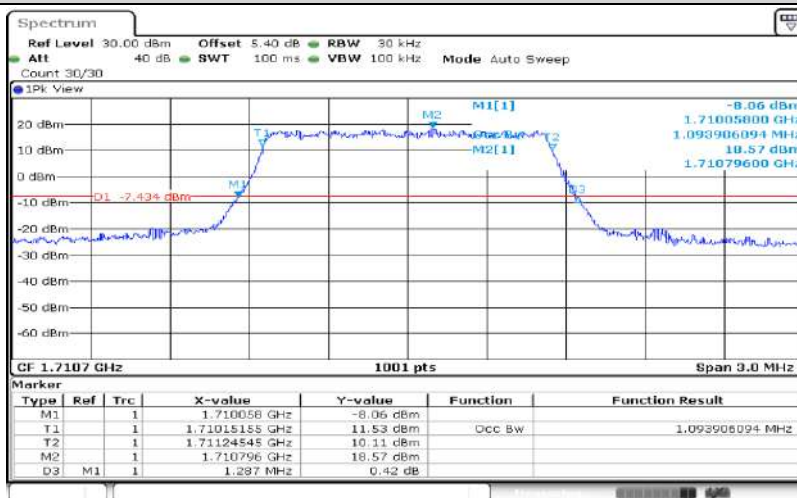
t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band66	20MHz	QPSK	132322	100RB#0	17.862	19.440	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.862	19.320	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.822	19.320	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.862	19.400	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.822	19.320	PASS

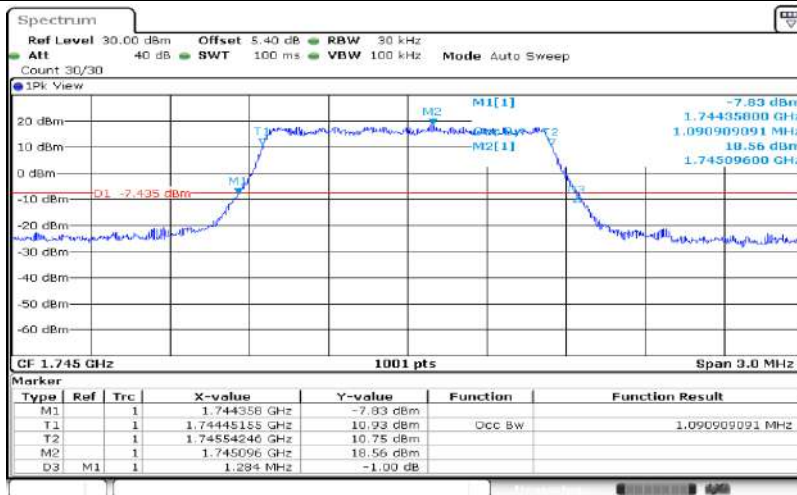
4.2. Test Plots

Band66-1.4MHz-QPSK-131979-6RB#0-1.094



Date: 7 NOV 2019 18:27:34

Band66-1.4MHz-QPSK-132322-6RB#0-1.091



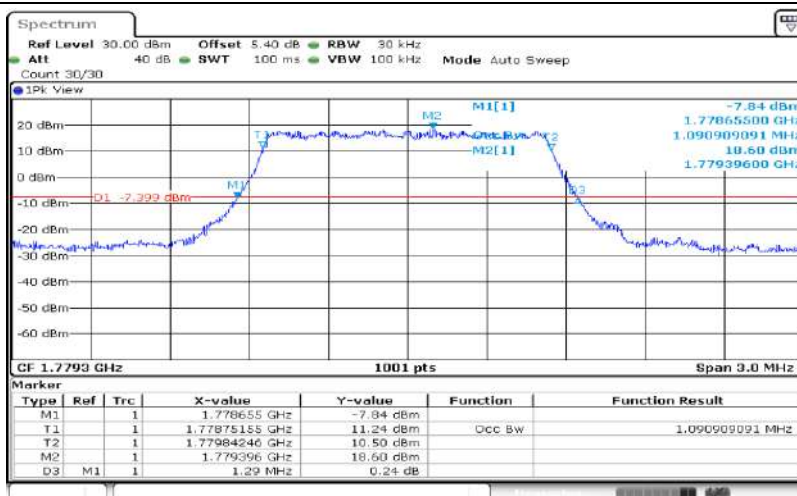
Date: 7 NOV 2019 18:28:02

Band66-1.4MHz-QPSK-132665-6RB#0-1.091



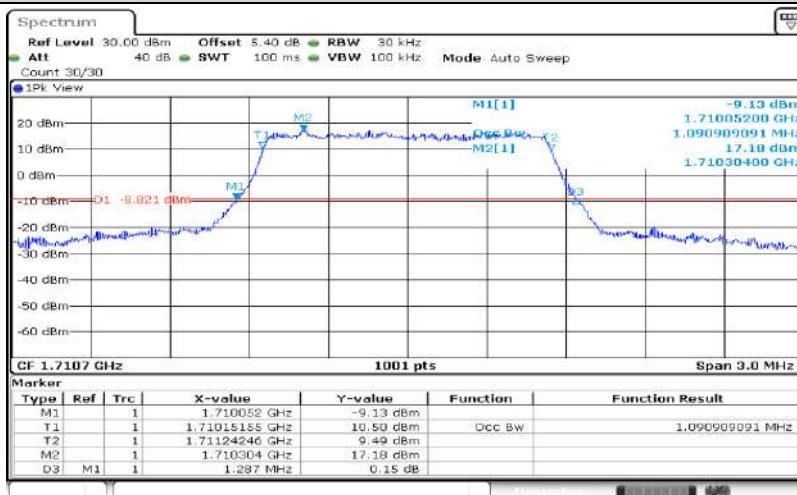
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 7 NOV 2019 18:28:27

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



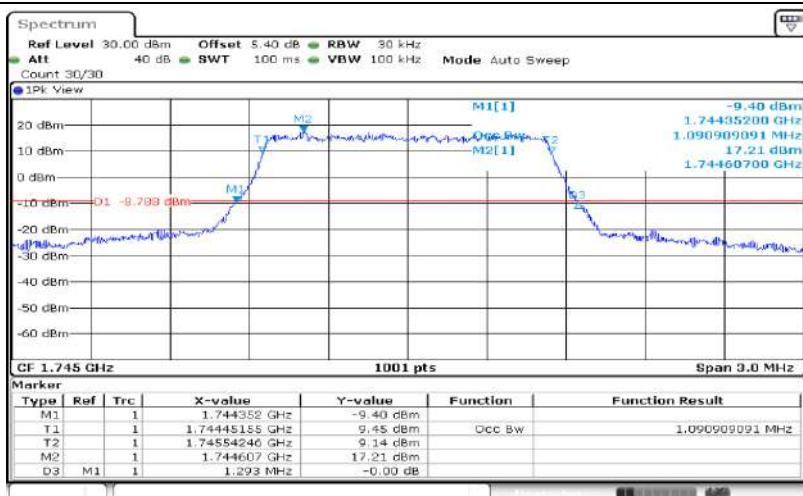
Date: 7 NOV 2019 18:27:49

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

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

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

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



Date: 7 NOV 2019 18:28:14

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



Date: 7 NOV 2019 18:28:40

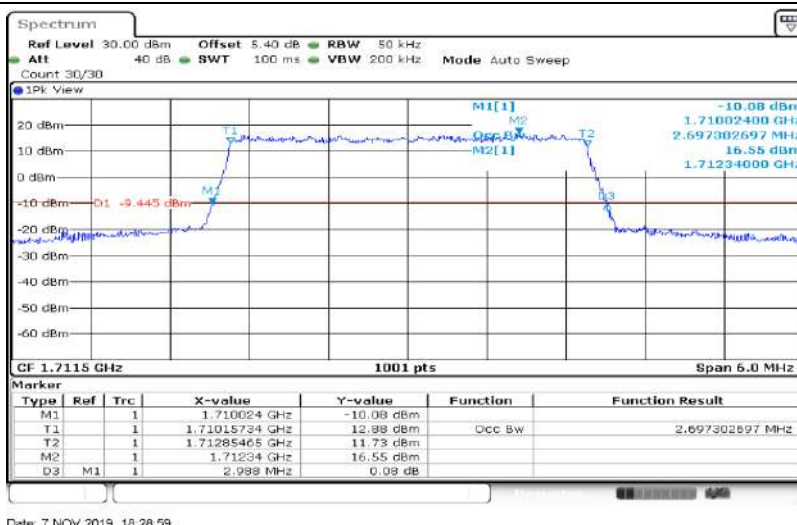
Band66-3MHz-QPSK-131987-15RB#0-2.697

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

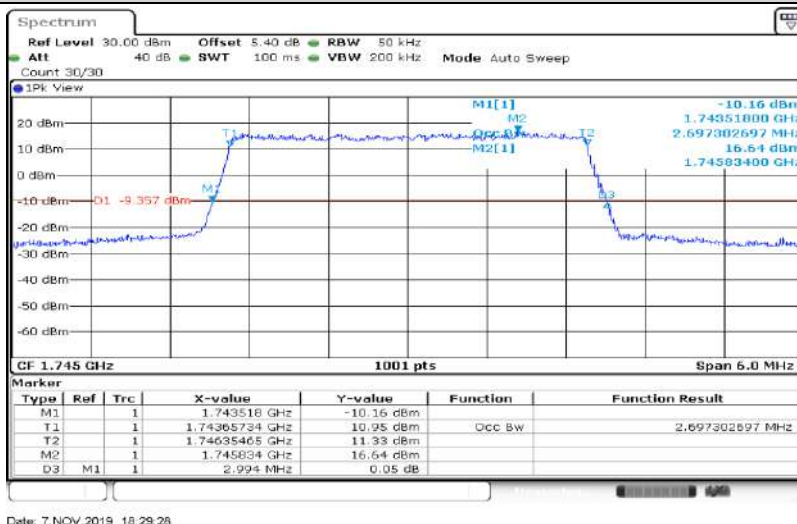
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



Band66-3MHz-QPSK-132322-15RB#0-2.697



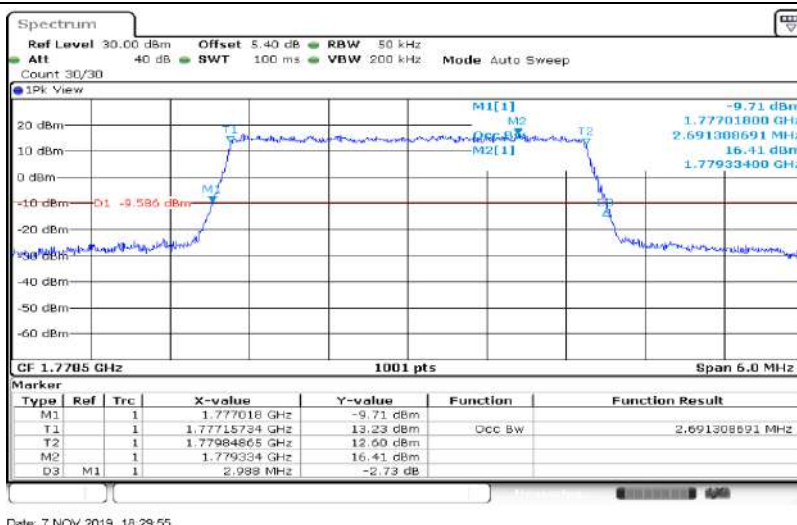
Band66-3MHz-QPSK-132657-15RB#0-2.691



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

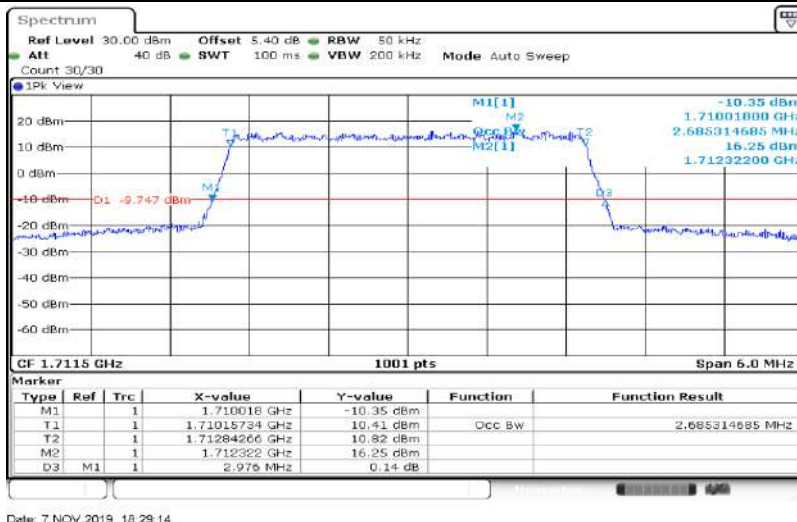
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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: 7 NOV 2019 18:29:55

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



Date: 7 NOV 2019 18:29:14

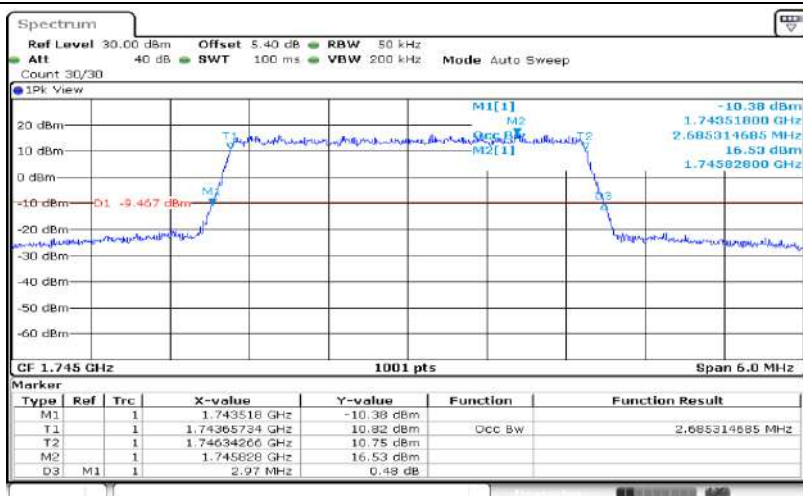
Band66-3MHz-16QAM-132322-15RB#0-2.685



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

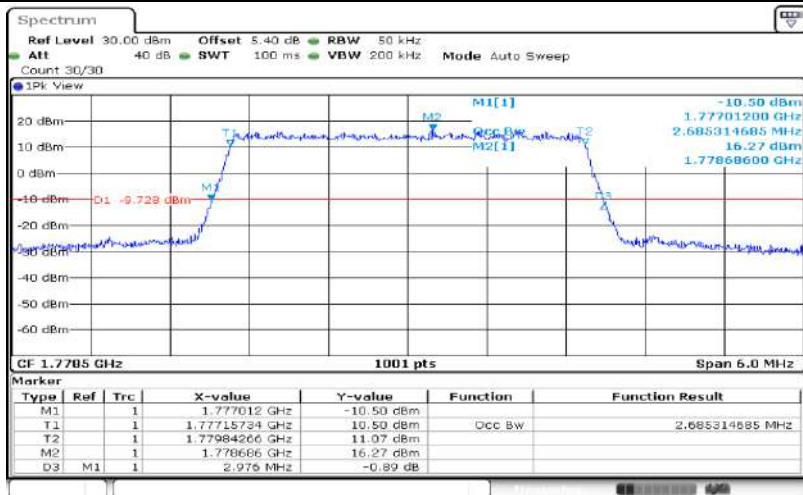
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 7 NOV 2019 18:29:41

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



Date: 7 NOV 2019 18:30:08

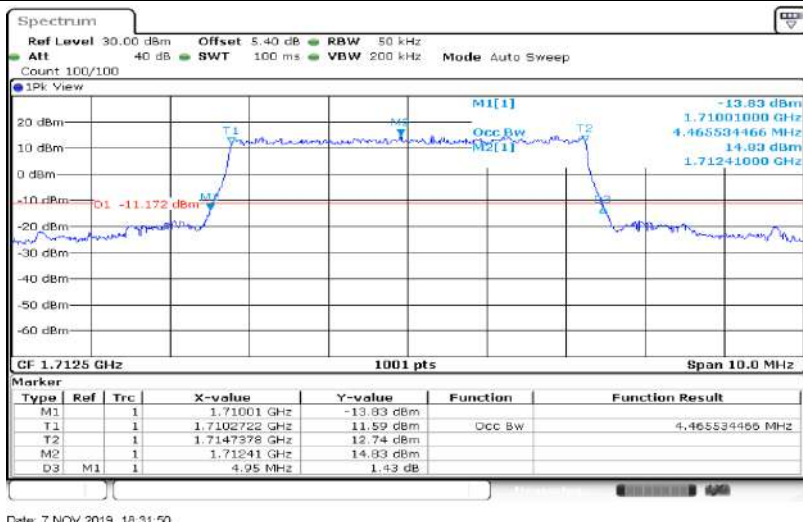
Band66-5MHz-QPSK-131997-25RB#0-4.466

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

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

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

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

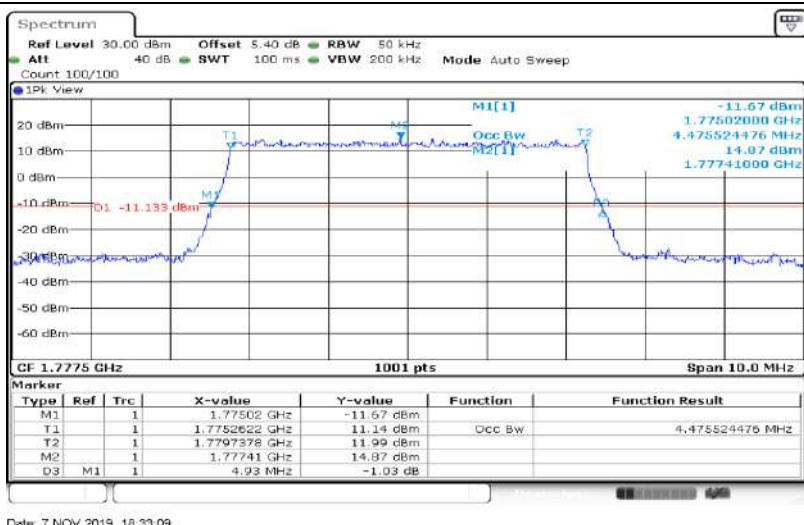


Band66-5MHz-QPSK-132322-25RB#0-4.476

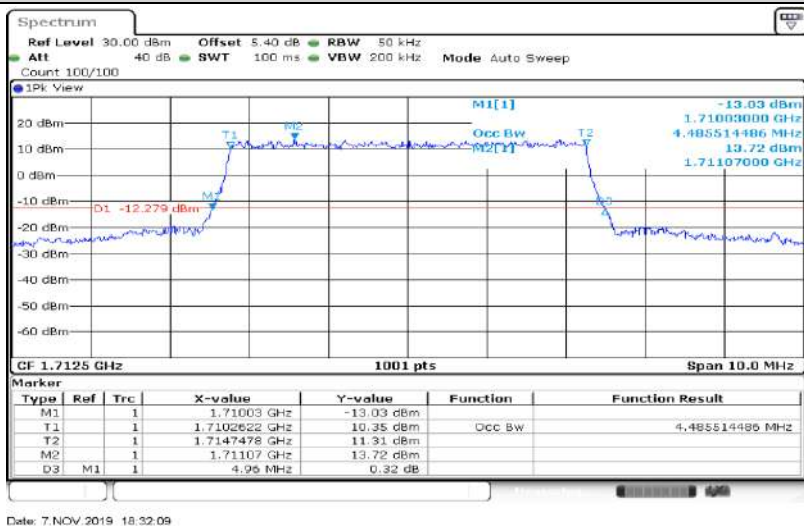


Band66-5MHz-QPSK-132647-25RB#0-4.476





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

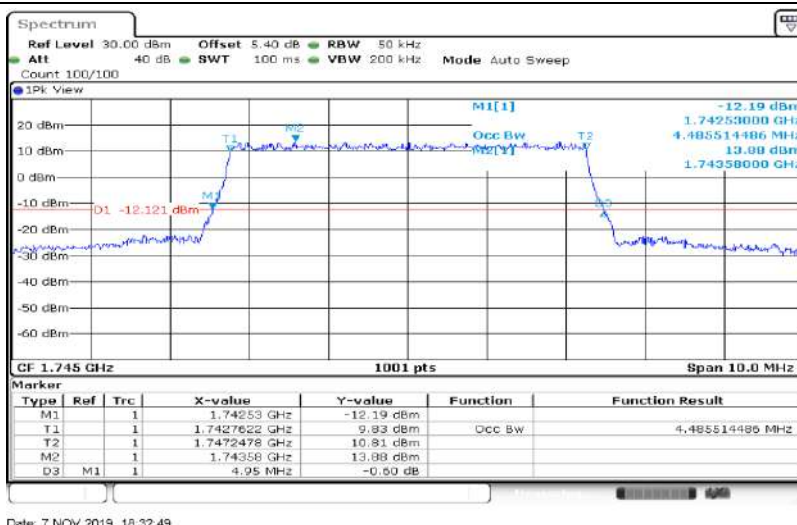


Band66-5MHz-16QAM-132322-25RB#0-4.486

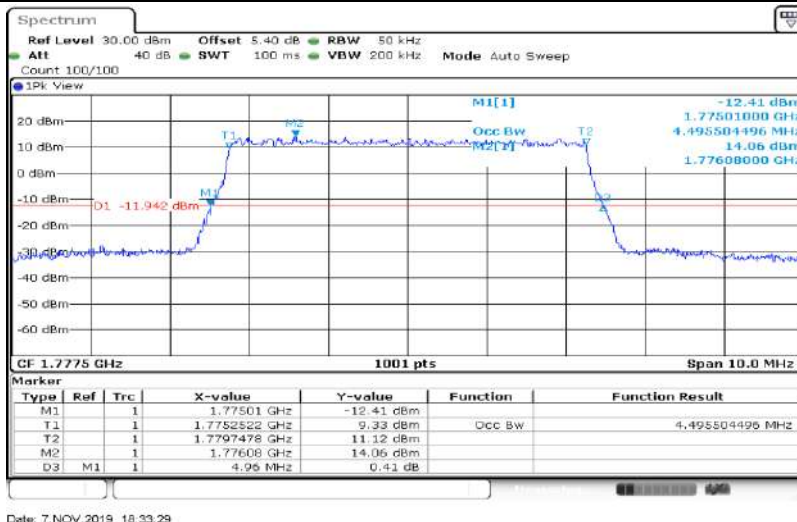


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

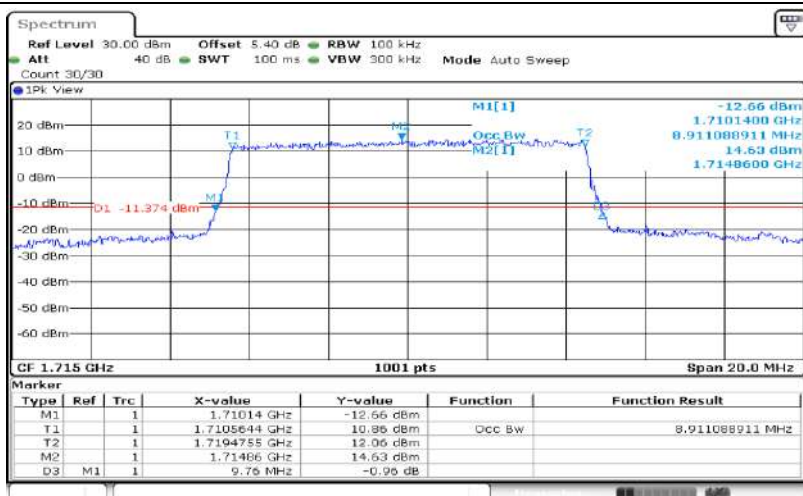


Band66-5MHz-16QAM-132647-25RB#0-4.496



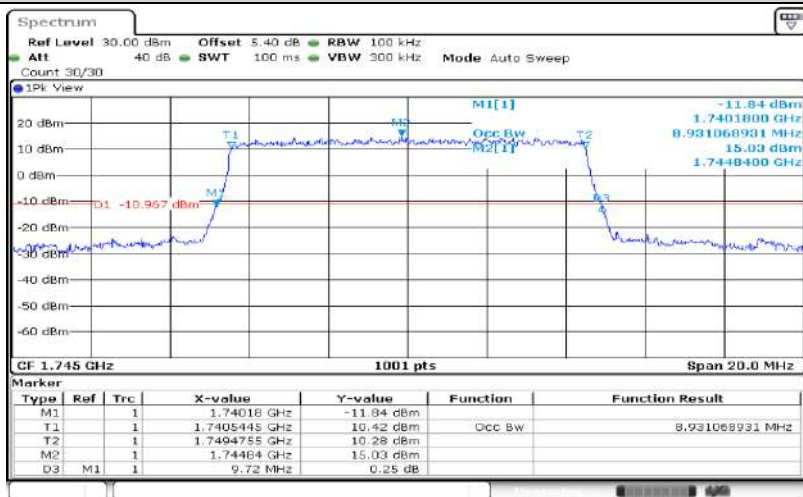
Band66-10MHz-QPSK-132022-50RB#0-8.911





Date: 7 NOV 2019 18:33:47

Band66-10MHz-QPSK-132322-50RB#0-8.931



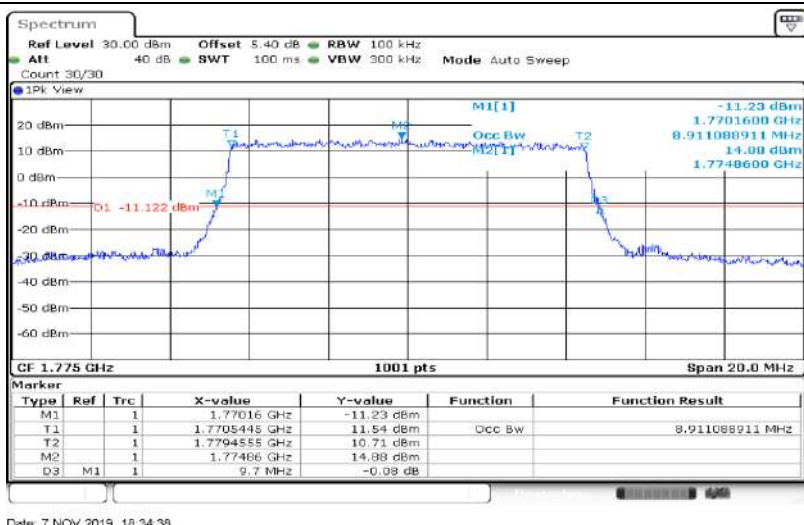
Date: 7 NOV 2019 18:34:13

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



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



Band66-10MHz-16QAM-132022-50RB#0-8.911

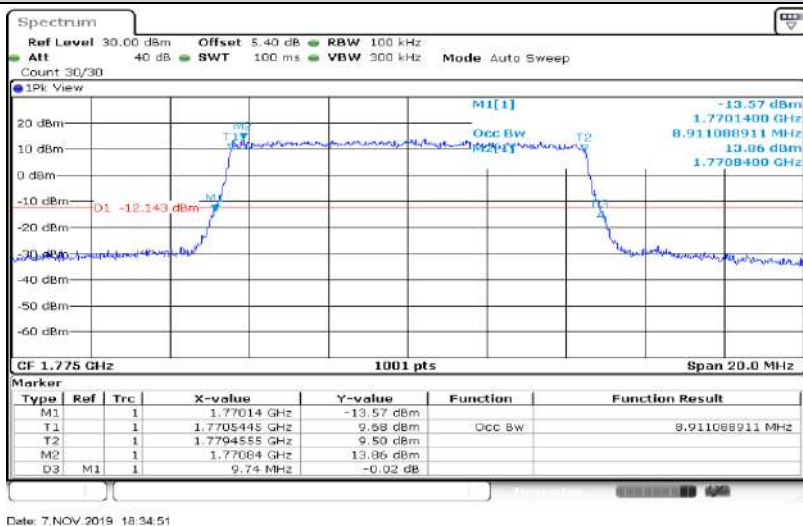


Band66-10MHz-16QAM-132322-50RB#0-8.931





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

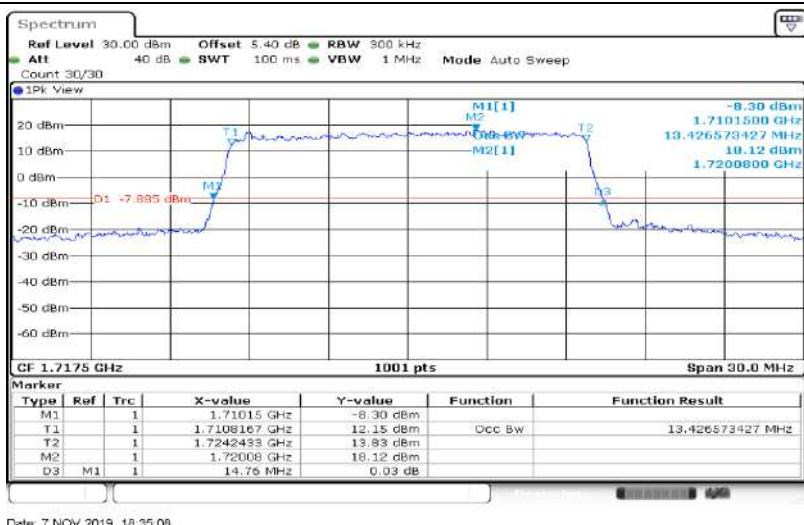


Band66-15MHz-QPSK-132047-75RB#0-13.427

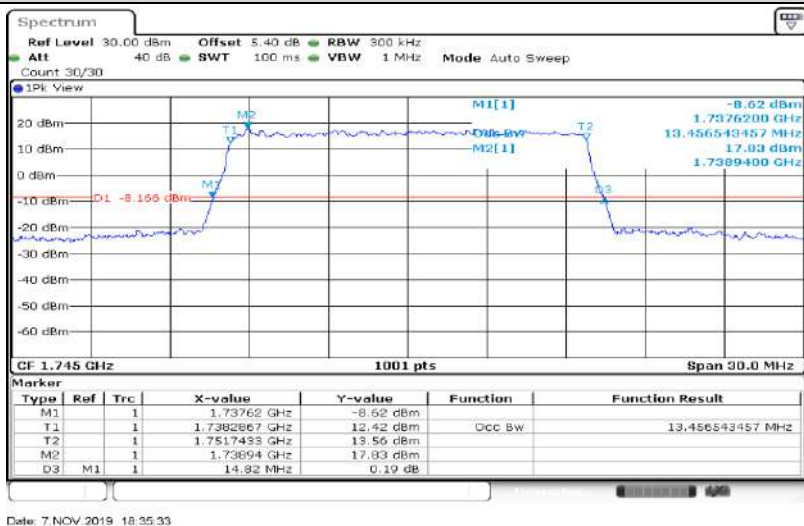


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

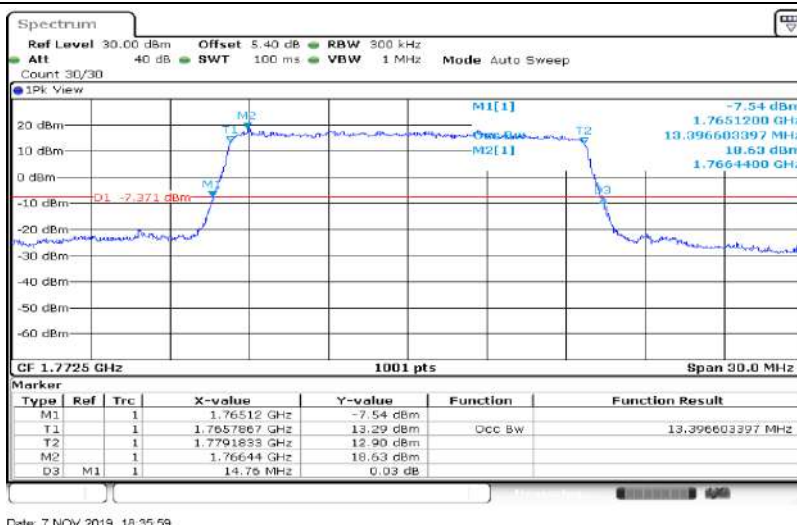


Band66-15MHz-QPSK-132322-75RB#0-13.457

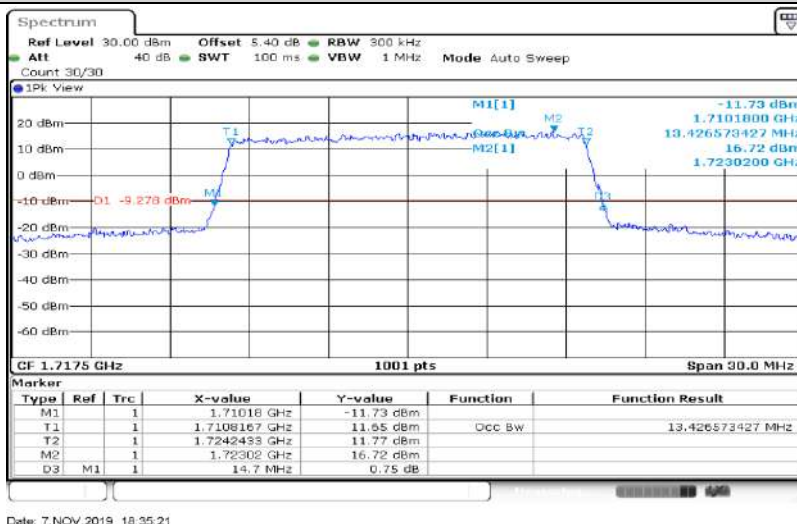


Band66-15MHz-QPSK-132597-75RB#0-13.397





Band66-15MHz-16QAM-132047-75RB#0-13.427

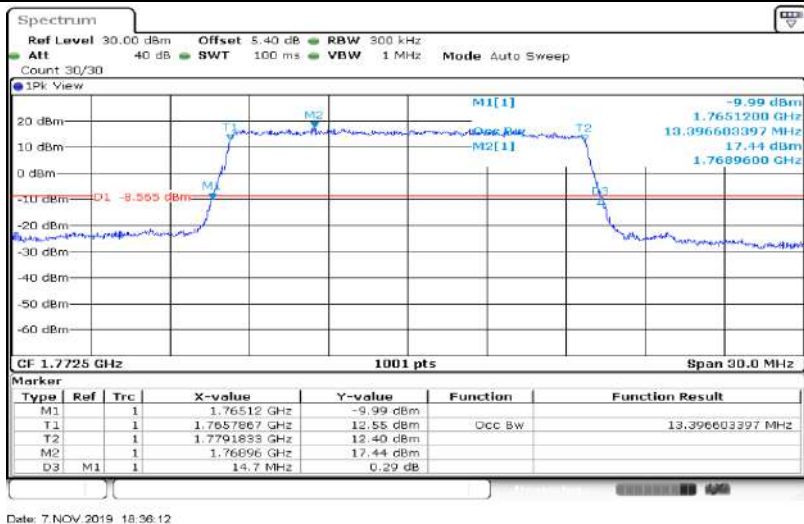


Band66-15MHz-16QAM-132322-75RB#0-13.457





Band66-15MHz-16QAM-132597-75RB#0-13.397



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-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.

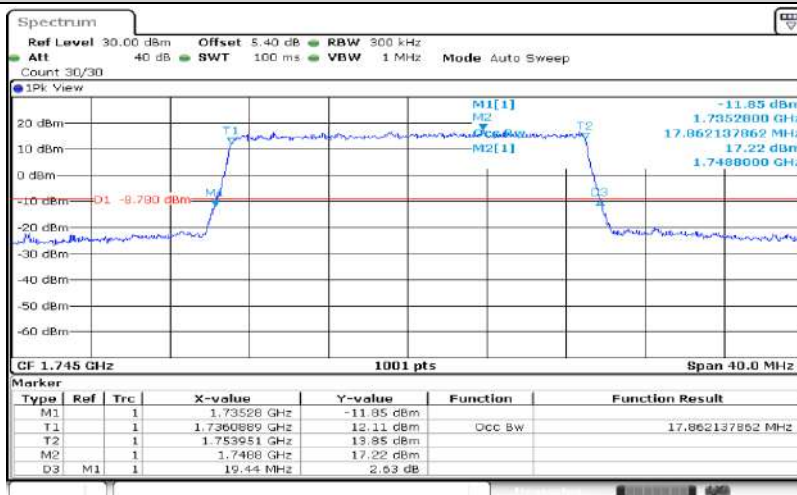
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 7 NOV 2019 18:36:29

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



Date: 7 NOV 2019 18:36:55

Band66-20MHz-QPSK-132572-100RB#0-17.862

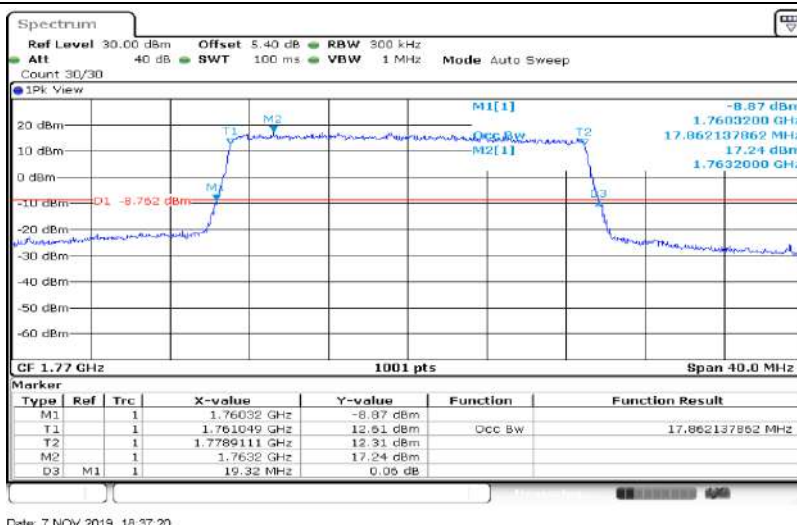


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

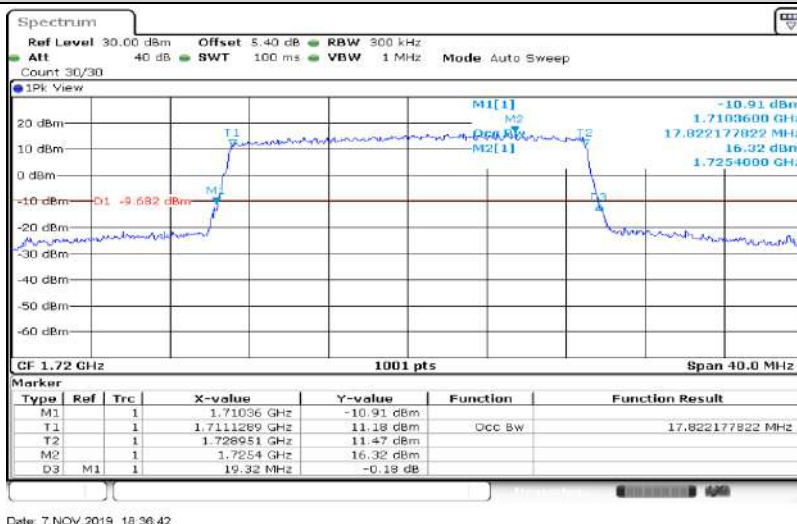
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

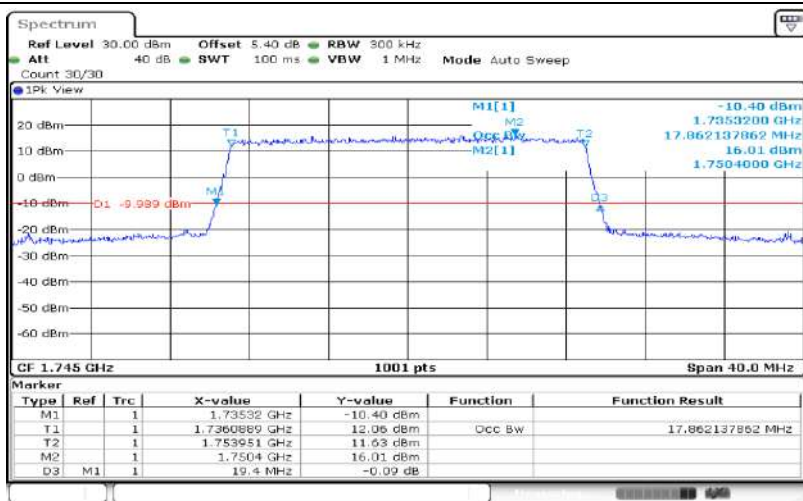


Band66-20MHz-16QAM-132072-100RB#0-17.822



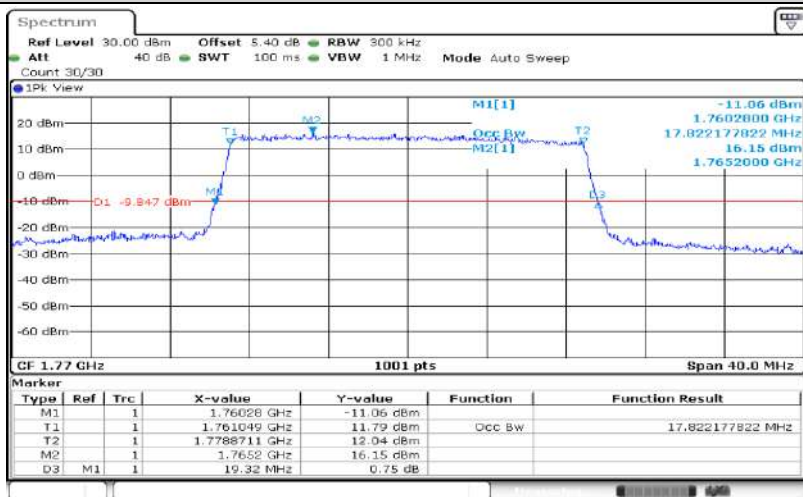
Band66-20MHz-16QAM-132322-100RB#0-17.862





Date: 7 NOV 2019 18:37:07

Band66-20MHz-16QAM-132572-100RB#0-17.822



Date: 7 NOV 2019 18:37:33

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-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.

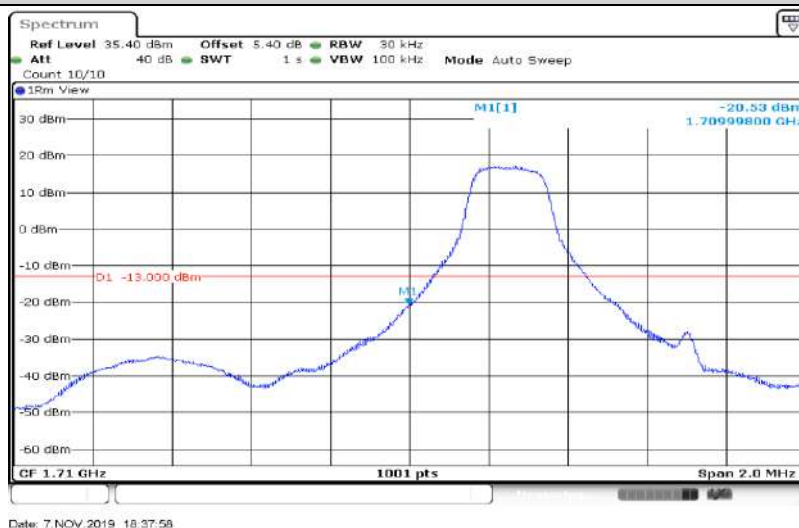
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

5. Band Edge Compliance

5.1. Test Plots

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



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



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



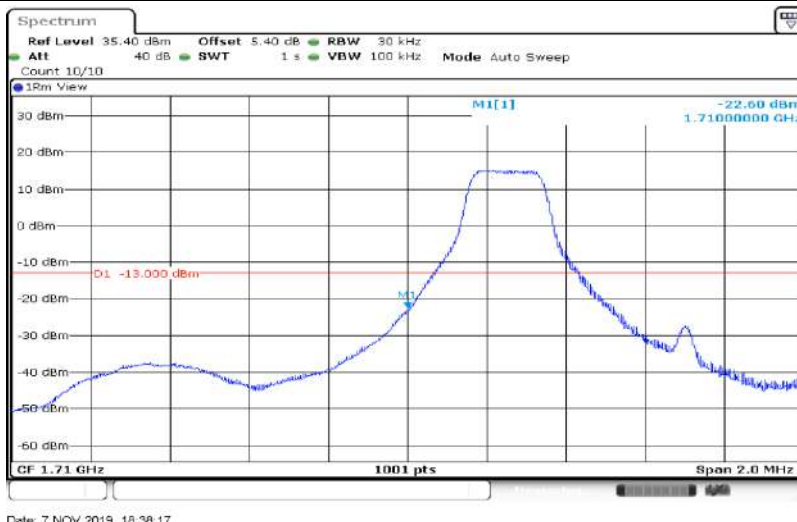


Band66-1.4MHz-QPSK-132665-6RB#0



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





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



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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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-132665-6RB#0

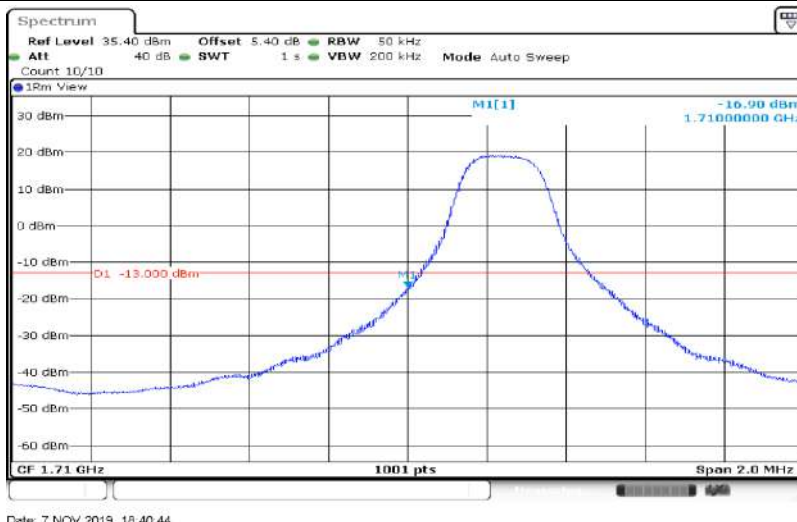


Band66-3MHz-QPSK-131987-1RB#0



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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-QPSK-131987-15RB#0

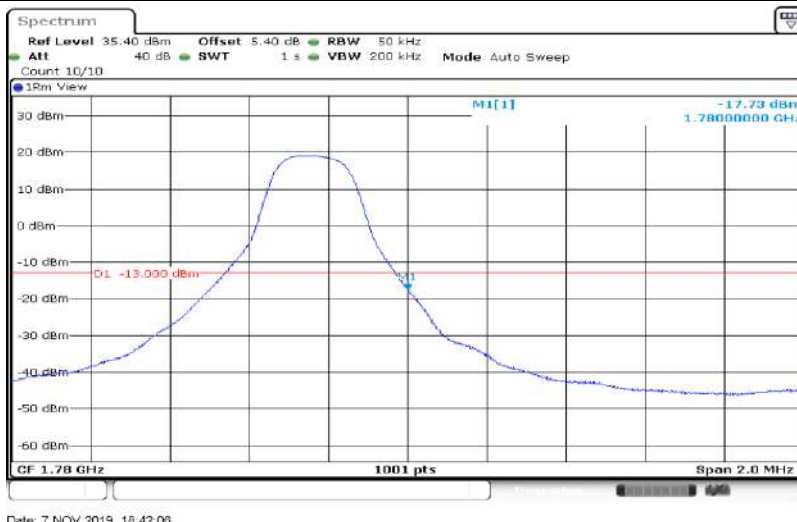


Band66-3MHz-QPSK-132657-1RB#14



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



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



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

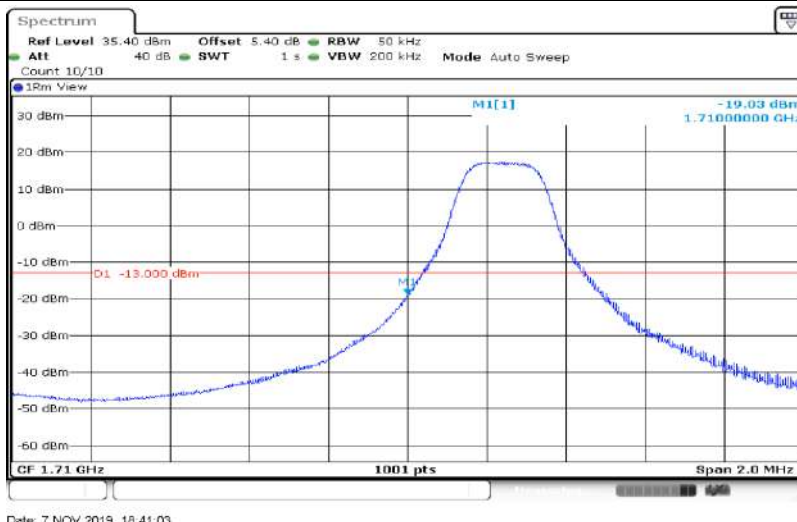


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

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



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



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





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



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



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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-QPSK-131997-25RB#0



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





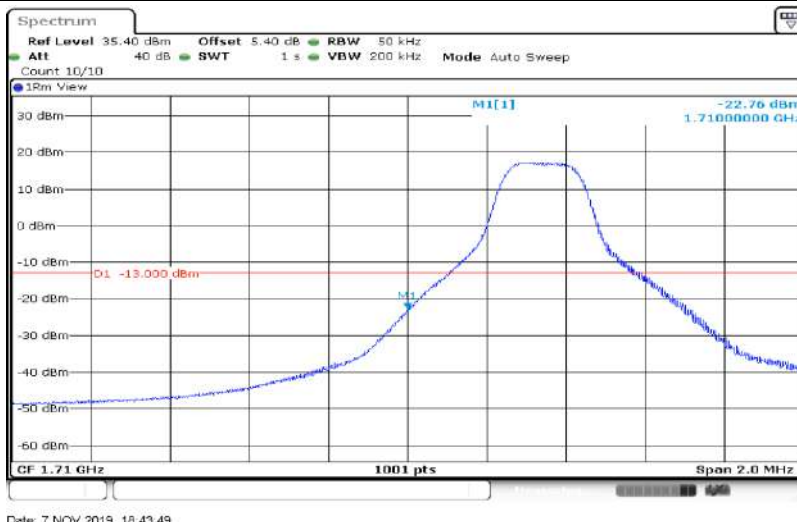
Band66-5MHz-QPSK-132647-25RB#0



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



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



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



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

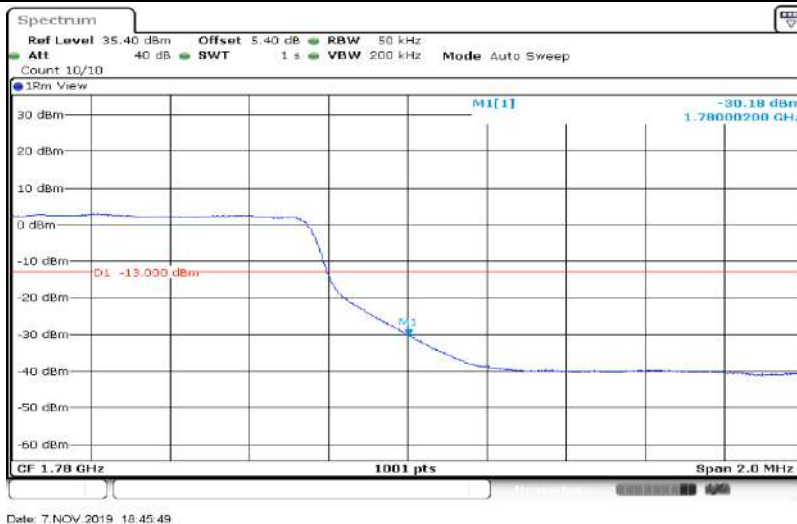


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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

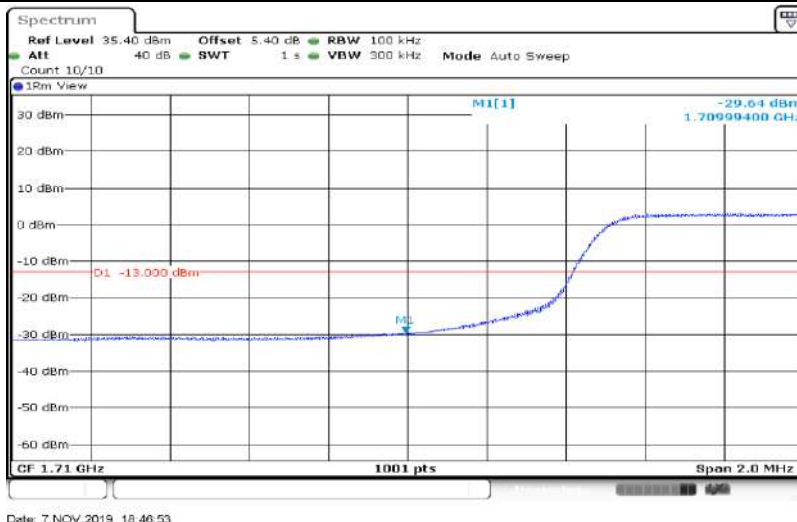


Band66-10MHz-QPSK-132022-1RB#0





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



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





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



Band66-10MHz-16QAM-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-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

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-16QAM-132022-50RB#0



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



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

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

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



Date: 7 NOV 2019 18:47:55

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



Date: 7 NOV 2019 18:48:34

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





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



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



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-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-132047-75RB#0



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



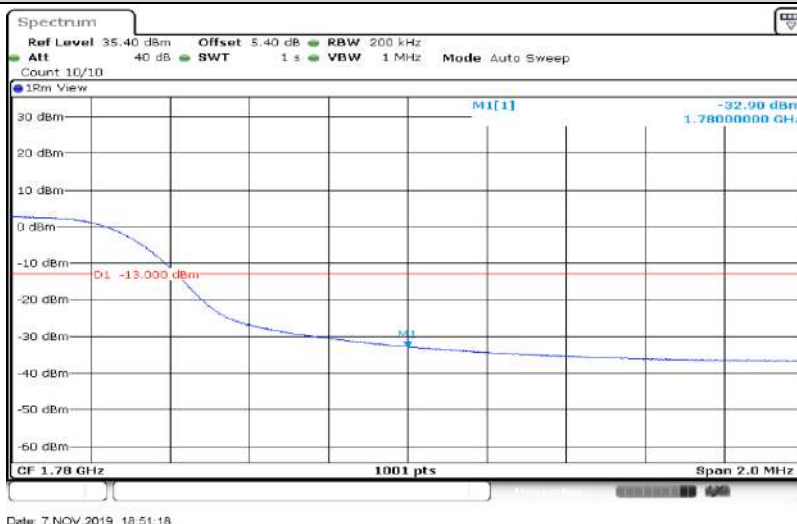
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



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



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

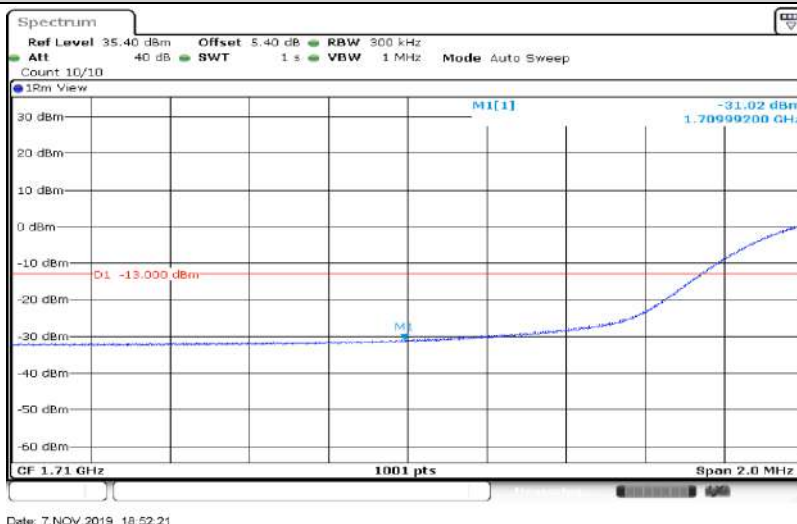


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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-132072-100RB#0



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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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-132572-100RB#0



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



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

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



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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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-16QAM-132572-100RB#0



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

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

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

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

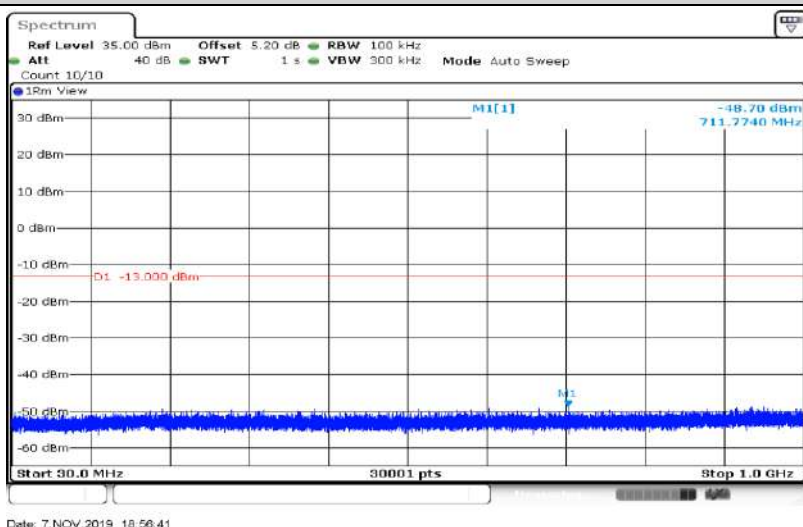
6. Spurious Emission at Antenna Terminal

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.

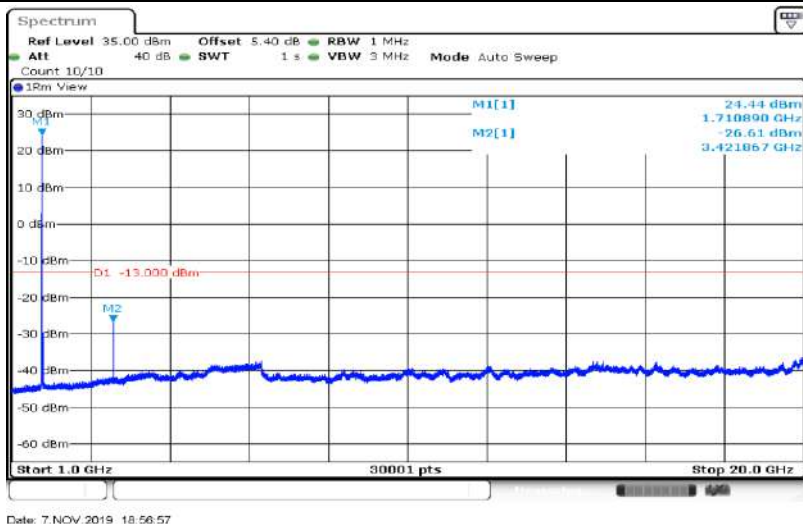
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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

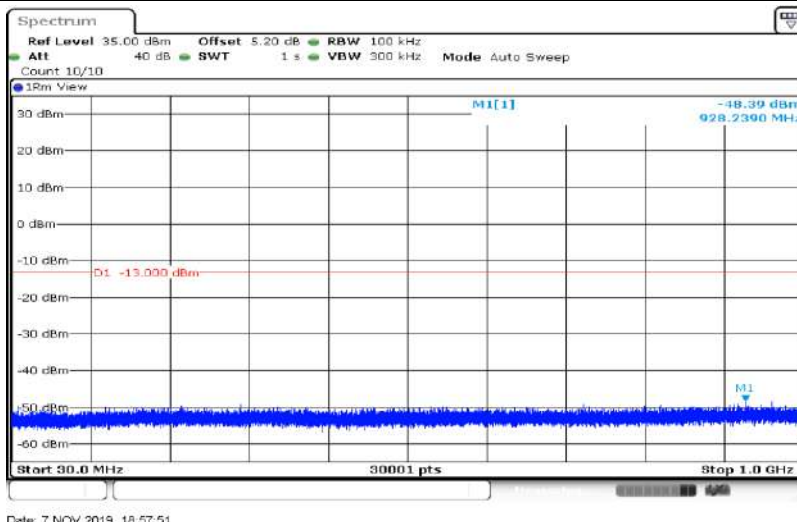


Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz

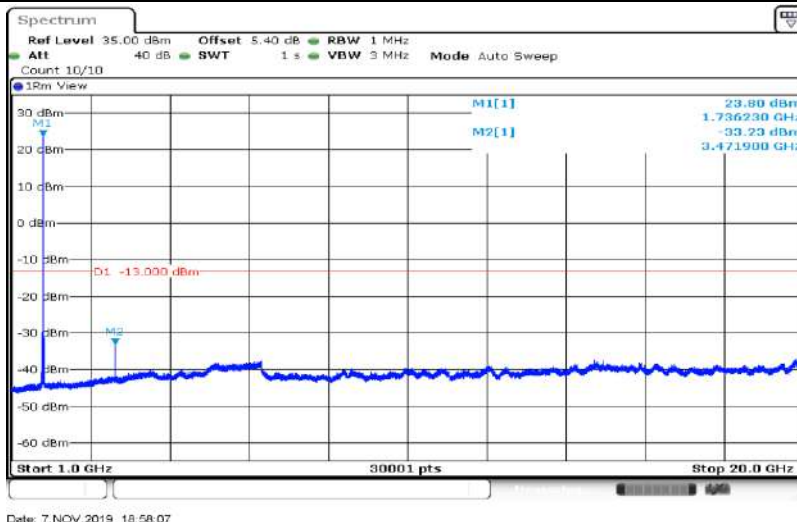


Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz





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

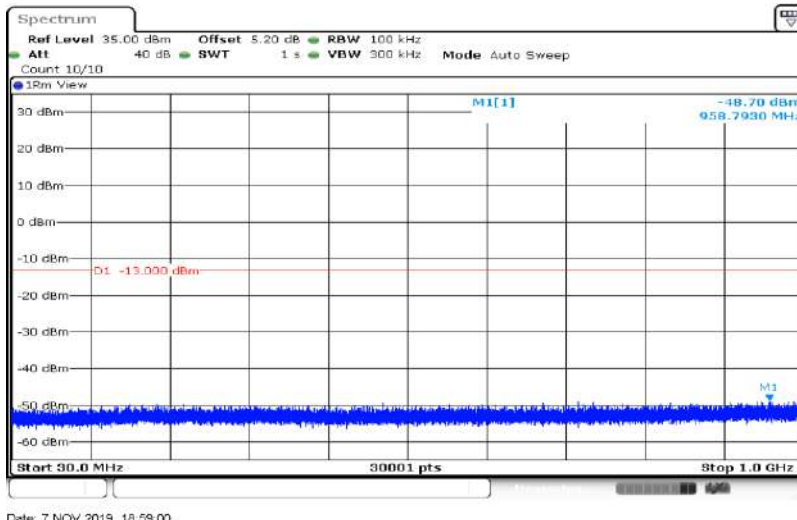


Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz

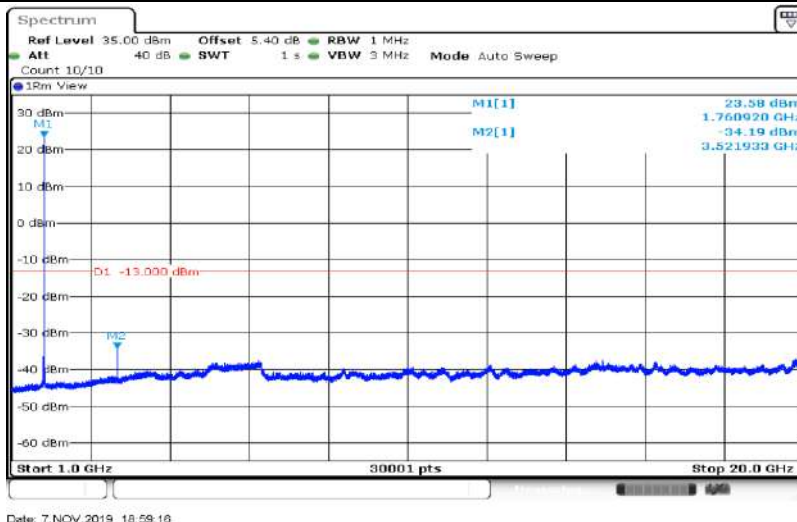


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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-132572-1RB#0-Range2:1000~20000MHz

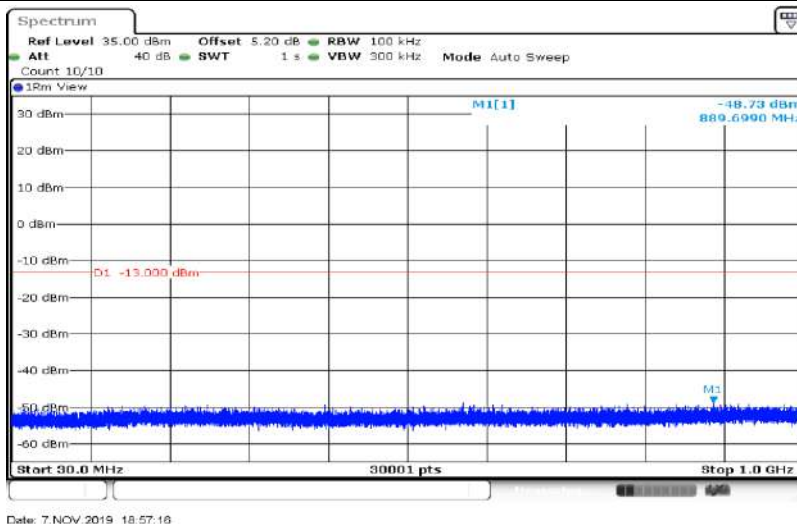


Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz

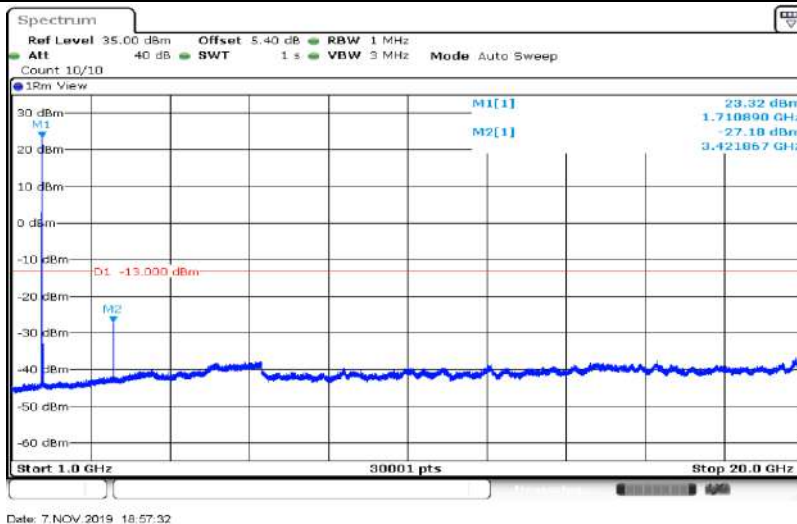


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

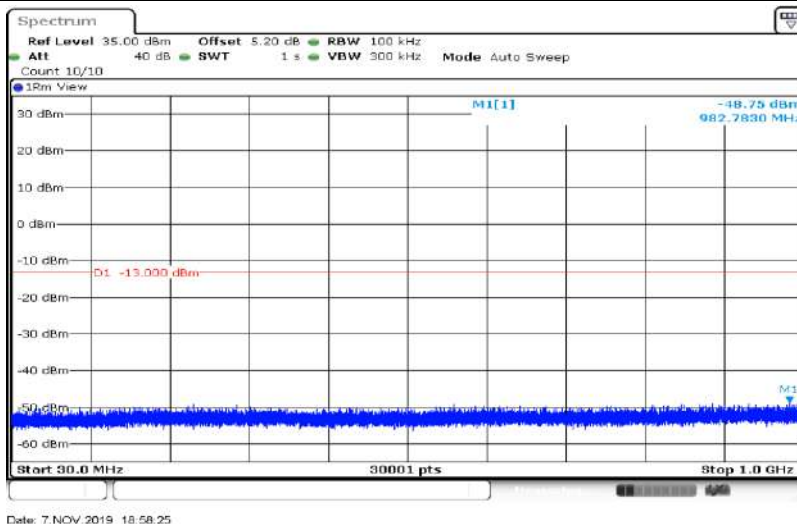


Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz

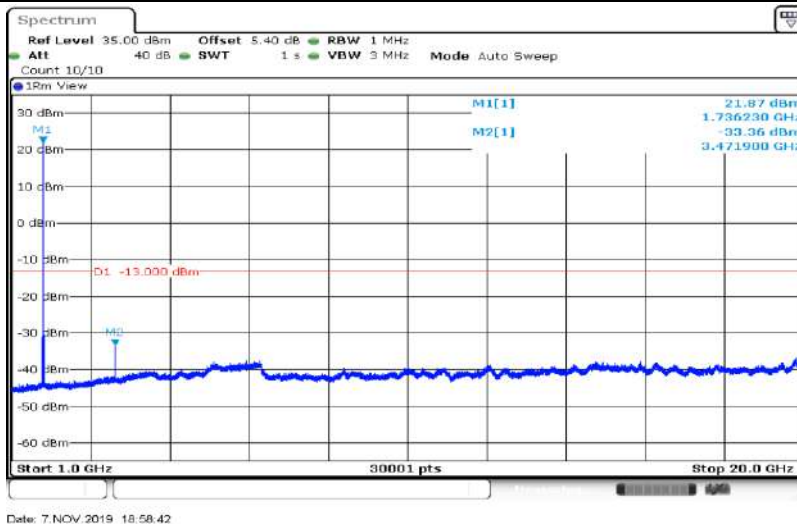


Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



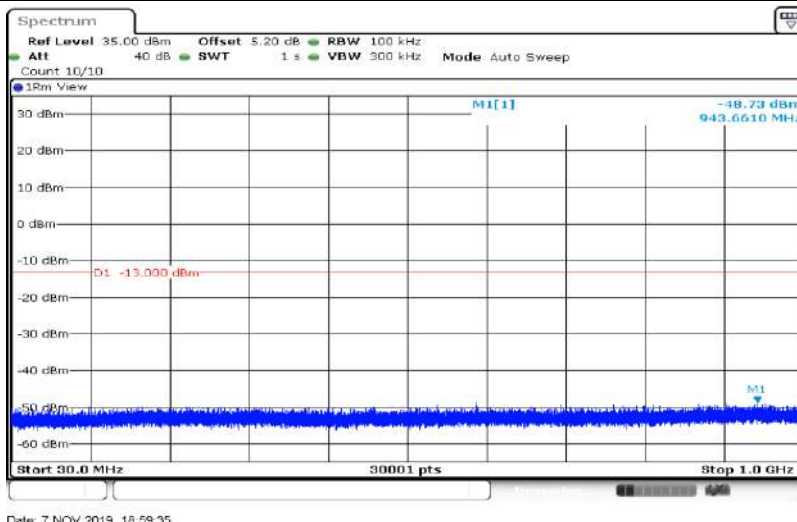


Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz

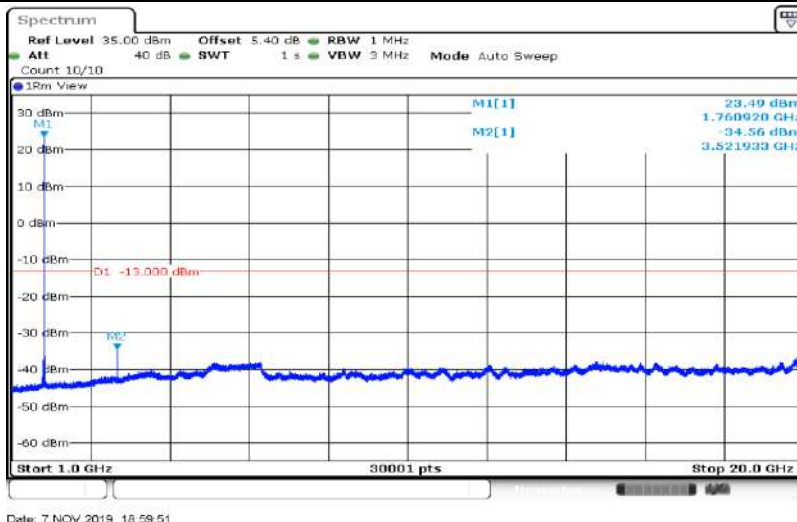


Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz





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

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

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
32.4736	-68.41	-13.00	55.41	196	313	Vertical
75.6408	-69.39	-13.00	56.39	132	137	Vertical
898.9209	-66.48	-13.00	53.48	127	246	Vertical
3422.0141	-37.07	-13.00	24.07	252	171	Vertical
9086.7029	-49.54	-13.00	36.54	173	29	Vertical
17997.9999	-33.07	-13.00	20.07	294	281	Vertical
35.5778	-59.94	-13.00	46.94	178	163	Horizontal
287.9844	-81.23	-13.00	68.23	166	230	Horizontal
907.0209	-71.25	-13.00	58.25	173	300	Horizontal
3422.0141	-27.72	-13.00	14.72	252	122	Horizontal
9129.7043	-49.07	-13.00	36.07	212	267	Horizontal
16394.9465	-36.56	-13.00	23.56	297	300	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
32.4251	-68.30	-13.00	55.30	163	289	Vertical
76.3683	-68.83	-13.00	55.83	172	121	Vertical
898.9209	-61.09	-13.00	48.09	172	289	Vertical
3472.0157	-38.41	-13.00	25.41	252	190	Vertical
10714.2571	-45.12	-13.00	32.12	294	330	Vertical
17996.4999	-32.66	-13.00	19.66	241	330	Vertical
35.5778	-57.14	-13.00	44.14	152	113	Horizontal
287.9844	-81.24	-13.00	68.24	177	258	Horizontal
859.7795	-81.93	-13.00	68.93	125	226	Horizontal
3472.0157	-30.43	-13.00	17.43	255	226	Horizontal
10012.2337	-47.62	-13.00	34.62	263	193	Horizontal
16396.9466	-37.21	-13.00	24.21	274	113	Horizontal





7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
32.4251	-68.56	-13.00	55.56	272	247	Vertical
75.7863	-68.97	-13.00	55.97	233	146	Vertical
907.0209	-66.12	-13.00	53.12	211	348	Vertical
3522.5174	-44.69	-13.00	31.69	283	178	Vertical
10683.2561	-45.80	-13.00	32.80	161	146	Vertical
17989.4997	-32.36	-13.00	19.36	278	46	Vertical
36.0143	-73.24	-13.00	60.24	185	113	Horizontal
76.1258	-78.24	-13.00	65.24	152	306	Horizontal
898.8724	-60.74	-13.00	47.74	133	306	Horizontal
3522.0174	-37.37	-13.00	24.37	176	240	Horizontal
10705.7569	-46.99	-13.00	33.99	197	113	Horizontal
17987.4996	-37.64	-13.00	24.64	211	346	Horizontal

Remark:

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



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



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	0.50	0.000291	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	0.30	0.000174	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	1.70	0.000988	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-4.60	-0.002636	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-2.10	-0.001203	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	1.00	0.000565	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	0.30	0.000169	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-1.20	-0.000678	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	2.10	0.001221	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	0.30	0.000174	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	2.10	0.001221	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-2.80	-0.001605	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-2.80	-0.001605	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-0.80	-0.000452	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	1.00	0.000565	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	0.00	0.000000	±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	1.00	0.000581	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	1.90	0.001105	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	1.40	0.000814	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	1.30	0.000756	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	0.50	0.000291	±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	-2.80	-0.001605	±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	-1.10	-0.000630	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-1.50	-0.000860	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	-0.70	-0.000395	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-0.10	-0.000056	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	0.30	0.000169	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	0.30	0.000169	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	1.40	0.000791	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	1.00	0.000581	±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
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band66	20MHz	16QAM	132072	100RB#0	NV	-20	1.70	0.000988	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	1.30	0.000756	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	1.20	0.000698	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	3.00	0.001744	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-2.30	-0.001318	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-3.10	-0.001777	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-3.60	-0.002063	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-1.90	-0.001089	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-3.00	-0.001719	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-1.30	-0.000734	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	0.50	0.000282	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	1.10	0.000621	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	0.60	0.000339	±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

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