



Appendix B

E-UTRA Band 2



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



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 CHARACTERISTICS13

3.1. TEST MODE = LTE /TM1 20MHZ13

3.1.1. TEST CHANNEL = MCH13

3.2. TEST MODE = LTE /TM2 20MHZ14

3.2.1. TEST CHANNEL = MCH14

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH15

4.1. TEST RESULT.....15

4.2. TEST PLOTS16

5. BAND EDGE COMPLIANCE34

5.1. TEST PLOTS34

6. SPURIOUS EMISSION AT ANTENNA TERMINAL58

6.1. TEST PLOTS58

7. FIELD STRENGTH OF SPURIOUS RADIATION.....64

7.1. TEST MODE =LTE/TM1 20MHZ.....64

7.1.1. TEST CHANNEL = LCH.....64

7.1.2. TEST CHANNEL = MCH64

7.1.3. TEST CHANNEL = HCH65

8. FREQUENCY STABILITY.....66

8.1. FREQUENCY VS VOLTAGE.....66

8.2. FREQUENCY VS TEMPERATURE66



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

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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.23	21.36	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.38	21.51	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.23	21.36	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.38	21.51	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.33	21.46	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.35	21.48	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.35	20.48	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.26	21.39	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.25	21.38	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.41	21.54	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.37	21.50	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.43	21.56	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.37	21.50	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.34	20.47	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.40	21.53	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.25	21.38	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.26	21.39	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.36	21.49	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.35	21.48	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.42	21.55	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.37	20.50	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.78	20.91	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.49	20.62	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.53	20.66	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.44	20.57	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.46	20.59	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.48	20.61	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.42	19.55	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.56	20.69	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.56	20.69	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.64	20.77	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.46	20.59	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.55	20.68	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.46	20.59	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.44	19.57	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.71	20.84	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.60	20.73	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.49	20.62	33.00	PASS



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

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

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



Band2	1.4MHz	16QAM	19193	3RB#3	21.41	20.54	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.52	20.65	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.49	20.62	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.45	19.58	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.24	21.37	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.29	21.42	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.29	21.42	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.31	20.44	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.34	20.47	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.32	20.45	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.28	20.41	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.32	21.45	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.33	21.46	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.32	21.45	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.35	20.48	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.35	20.48	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.38	20.51	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.32	20.45	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.32	21.45	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.30	21.43	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.31	21.44	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.39	20.52	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.37	20.50	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.34	20.47	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.34	20.47	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.60	20.73	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.49	20.62	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.61	20.74	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.34	19.47	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.35	19.48	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.36	19.49	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.26	19.39	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.62	20.75	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.51	20.64	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.62	20.75	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.41	19.54	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.40	19.53	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.35	19.48	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.30	19.43	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.57	20.70	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.64	20.77	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.54	20.67	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.42	19.55	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.39	19.52	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.43	19.56	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.33	19.46	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.14	21.27	33.00	PASS



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

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

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



Band2	5MHz	QPSK	18625	1RB#12	22.42	21.55	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.21	21.34	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.23	20.36	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.30	20.43	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.20	21.33	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.22	21.35	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.47	21.60	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.40	20.53	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.34	20.47	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.22	21.35	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.48	21.61	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.22	21.35	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.41	20.54	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.40	20.53	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.28	20.41	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.34	20.47	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.51	20.64	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.65	20.78	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.47	20.60	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.37	19.50	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.22	19.35	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.37	19.50	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.29	19.42	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.44	20.57	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.69	20.82	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.41	20.54	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.37	19.50	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.38	19.51	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.38	19.51	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.33	19.46	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.45	20.58	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.49	20.62	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.84	20.97	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.41	19.54	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.43	19.56	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.29	19.42	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.33	19.46	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.33	21.46	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.38	21.51	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.28	21.41	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.35	20.48	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.25	20.38	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.40	20.53	33.00	PASS



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

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



Band2	10MHz	QPSK	18650	50RB#0	21.33	20.46	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.29	21.42	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.33	21.46	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.41	21.54	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.41	20.54	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.35	20.48	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.41	20.54	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.39	20.52	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.47	21.60	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.31	21.44	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.36	21.49	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.49	20.62	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.30	20.43	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.43	20.56	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.39	20.52	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.60	20.73	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.55	20.68	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.63	20.76	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.25	19.38	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.32	19.45	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.38	19.51	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.32	19.45	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.53	20.66	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.61	20.74	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.76	20.89	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.41	19.54	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.34	19.47	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.39	19.52	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.36	19.49	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.75	20.88	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.55	20.68	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.65	20.78	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.31	19.44	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.42	19.55	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.48	19.61	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.39	19.52	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.24	21.37	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.30	21.43	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.36	21.49	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	21.39	20.52	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	21.37	20.50	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.27	20.40	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.35	20.48	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.25	21.38	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.37	21.50	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.26	21.39	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.41	20.54	33.00	PASS



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

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

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



Band2	15MHz	QPSK	18900	36RB#39	21.40	20.53	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.37	20.50	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.38	20.51	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.29	21.42	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.38	21.51	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.30	21.43	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.47	20.60	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.44	20.57	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.35	20.48	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.40	20.53	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.54	20.67	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.60	20.73	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.65	20.78	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.26	19.39	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	20.32	19.45	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	20.31	19.44	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.32	19.45	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.66	20.79	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.61	20.74	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.48	20.61	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.35	19.48	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.35	19.48	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.35	19.48	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.36	19.49	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.58	20.71	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.58	20.71	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.67	20.80	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.39	19.52	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.33	19.46	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.43	19.56	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.40	19.53	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.20	21.33	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.44	21.57	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.24	21.37	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.37	20.50	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.19	20.32	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.35	20.48	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.27	20.40	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.15	21.28	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.18	21.31	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.46	21.59	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.36	20.49	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.39	20.52	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.37	20.50	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.39	20.52	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.23	21.36	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.44	21.57	33.00	PASS



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

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

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



Band2	20MHz	QPSK	19100	1RB#99	22.22	21.35	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.38	20.51	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.44	20.57	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.26	20.39	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.35	20.48	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.55	20.68	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.71	20.84	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.50	20.63	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.34	19.47	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.18	19.31	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.36	19.49	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.26	19.39	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.48	20.61	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.80	20.93	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.47	20.60	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.41	19.54	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.36	19.49	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.37	19.50	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.37	19.50	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.49	20.62	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.54	20.67	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.75	20.88	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.35	19.48	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.42	19.55	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.29	19.42	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.33	19.46	33.00	PASS

Remark:

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

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

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



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

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

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

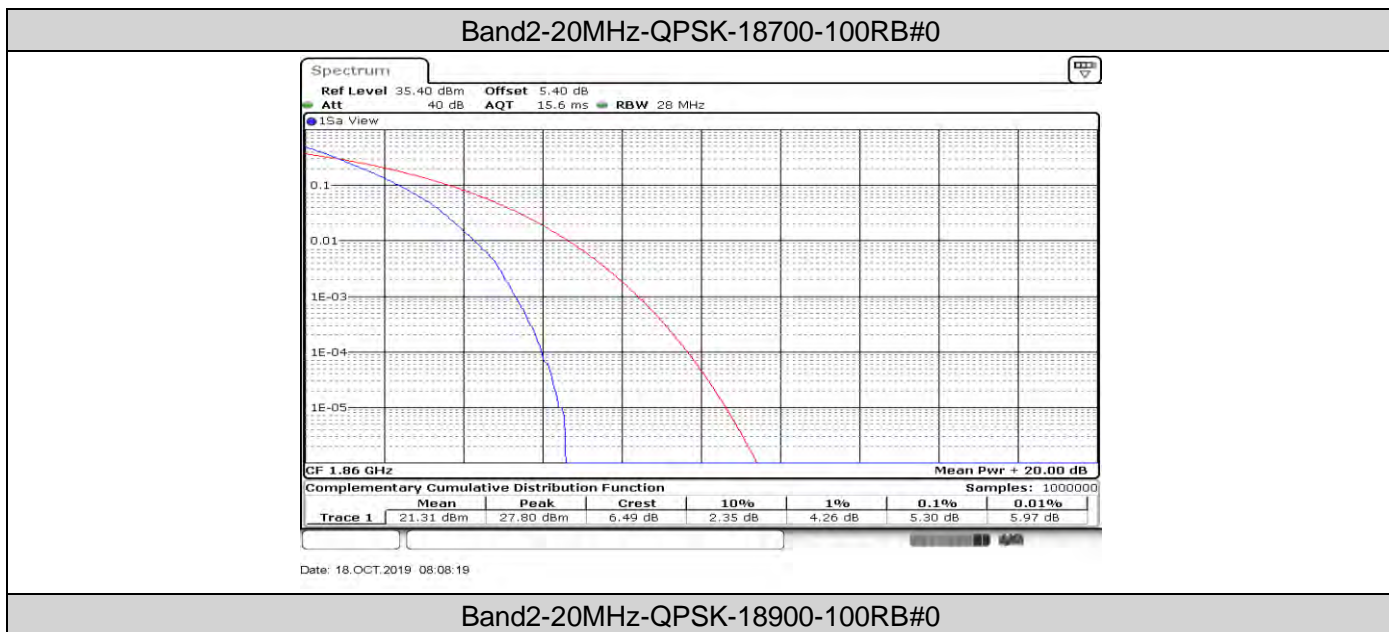


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.68	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.48	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.38	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.20	13	PASS

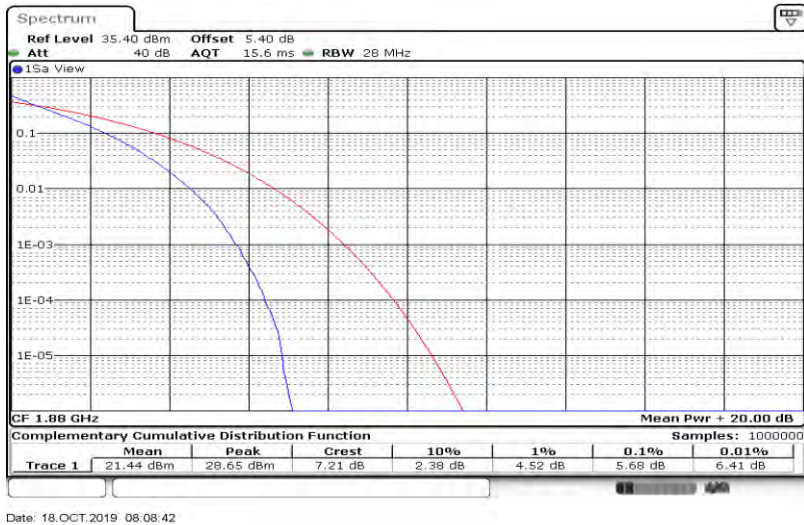
2.2. Test Plots



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

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

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: 18.OCT.2019 08:08:42

Band2-20MHz-QPSK-19100-100RB#0



Date: 18.OCT.2019 08:09:05

Band2-20MHz-16QAM-18700-100RB#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.



Date: 18.OCT.2019 08:08:31

Band2-20MHz-16QAM-18900-100RB#0



Date: 18.OCT.2019 08:08:54

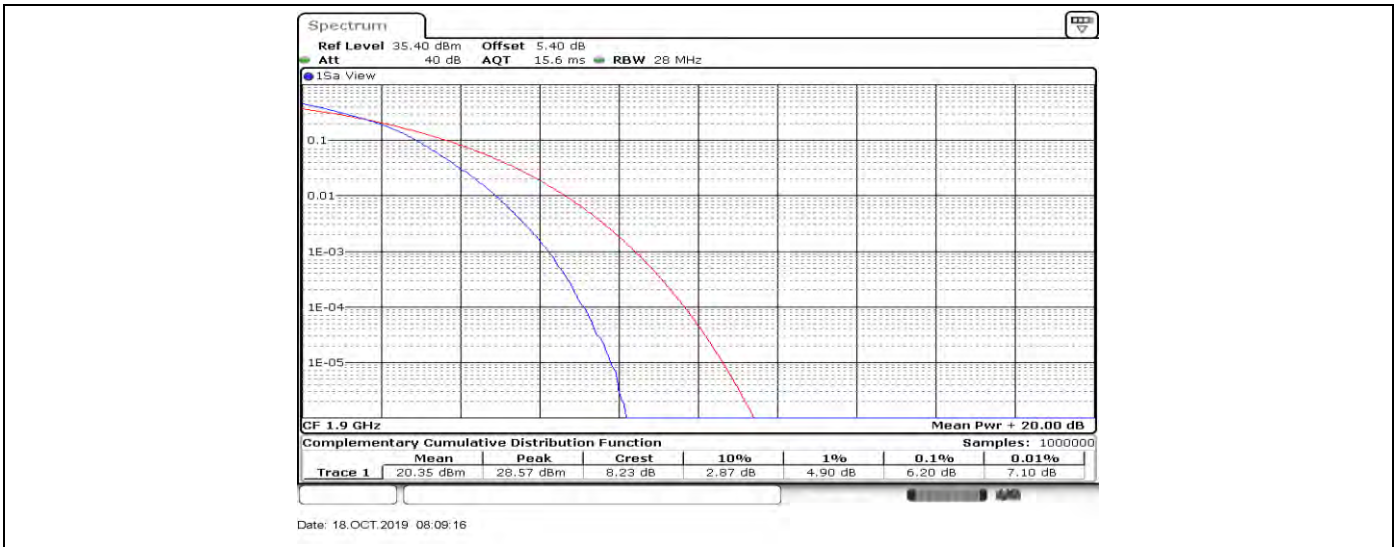
Band2-20MHz-16QAM-19100-100RB#0



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

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

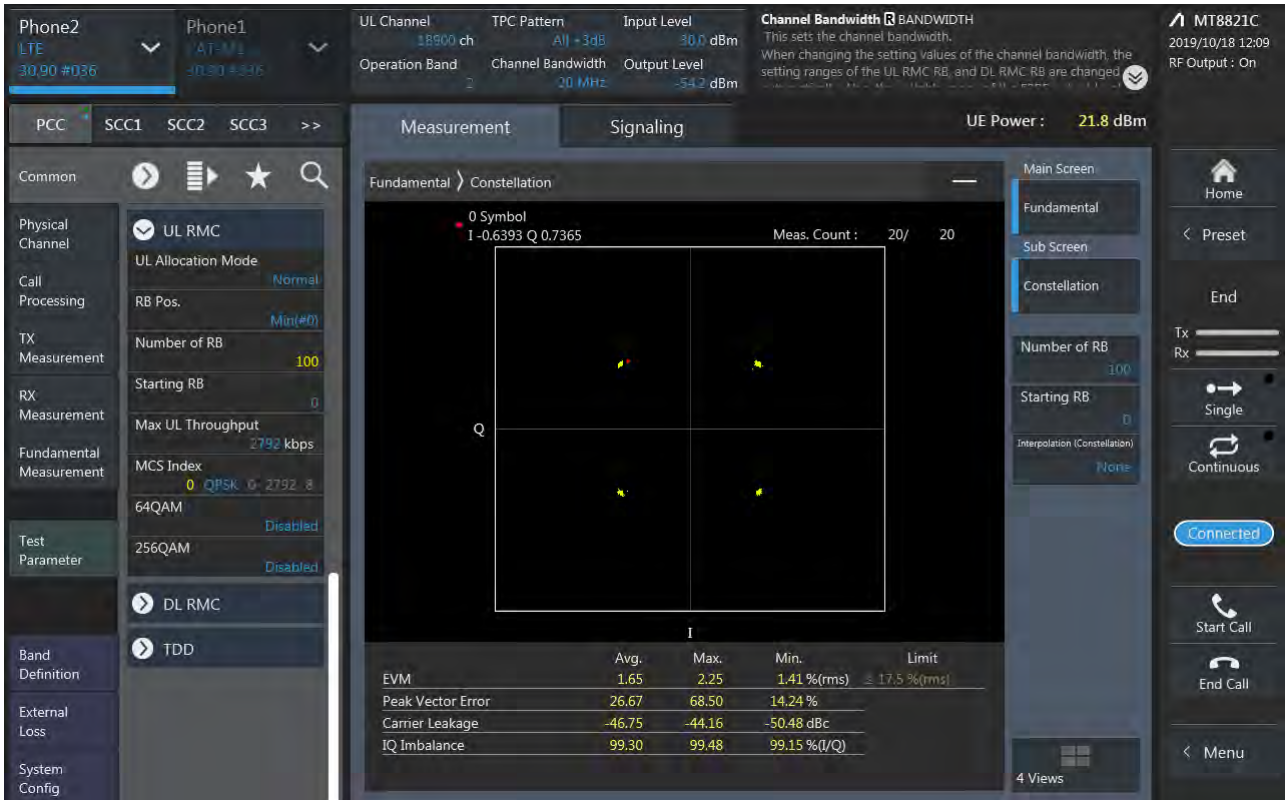


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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

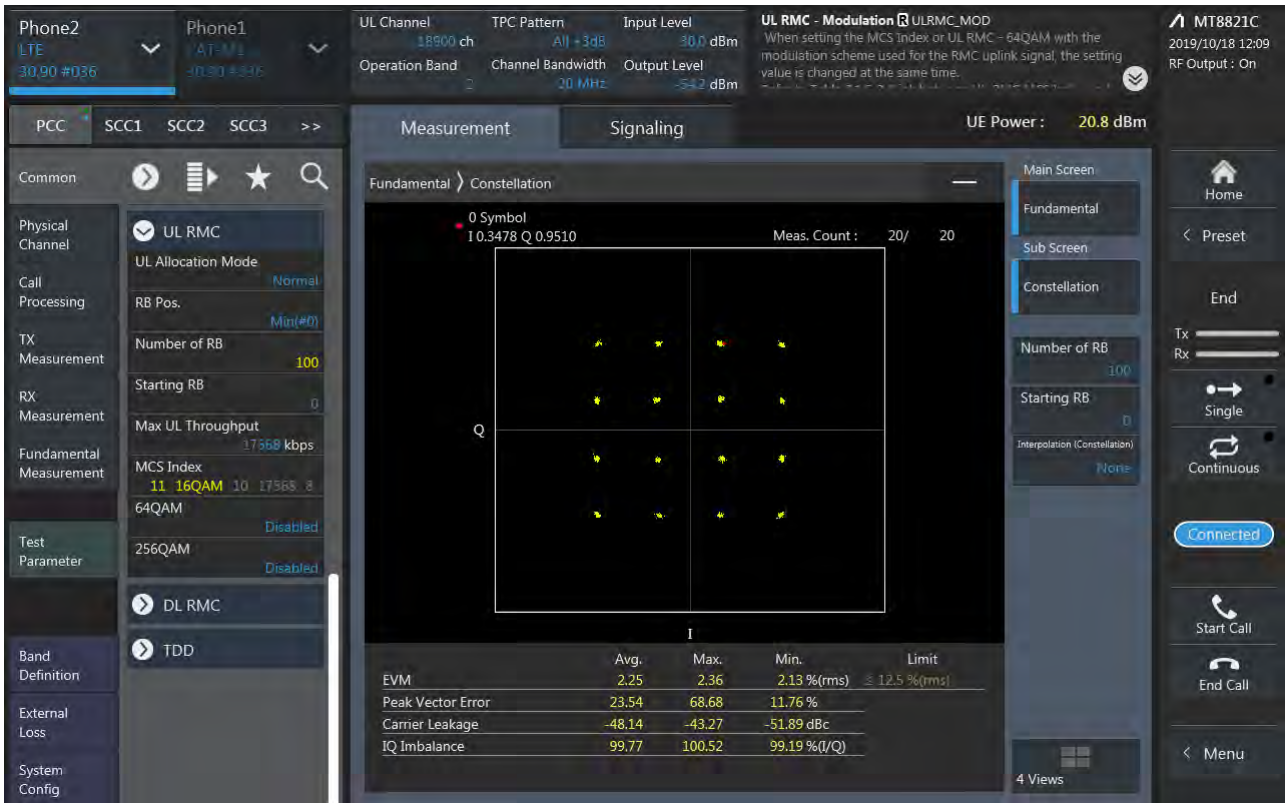
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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

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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.284	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.281	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.958	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.691	2.922	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.898	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.679	2.904	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.904	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.840	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	5.020	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.850	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.466	4.870	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.870	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.850	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.620	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.720	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.580	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.660	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	10.000	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.880	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.970	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	14.700	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.610	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.427	14.670	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.487	14.730	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.670	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.400	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.

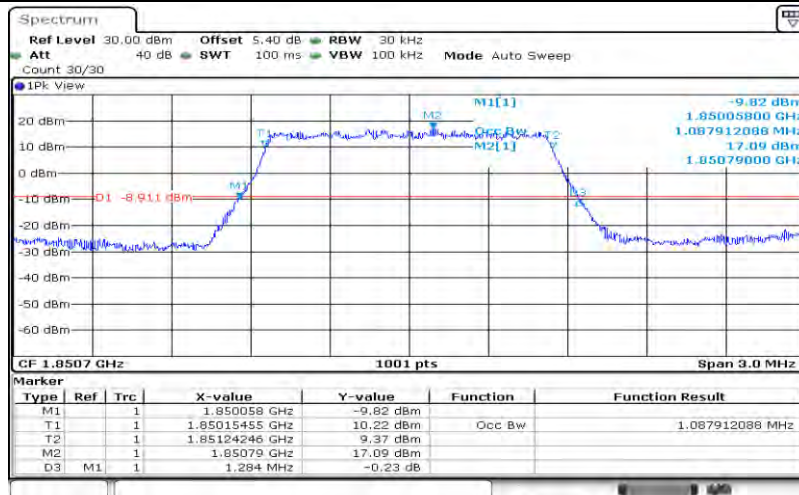
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



Band2	20MHz	QPSK	18900	100RB#0	17.902	19.360	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.960	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	19.240	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.902	19.960	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.240	PASS

4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.088



Date: 18.OCT.2019 07:30:59

Band2-1.4MHz-QPSK-18900-6RB#0-1.091

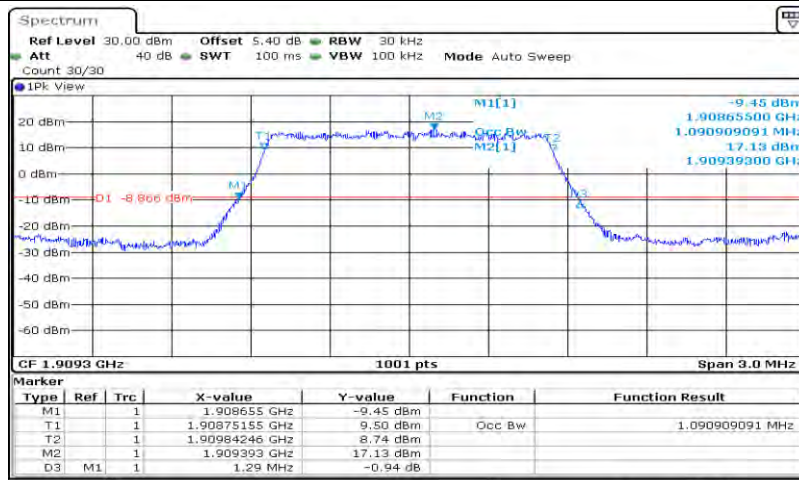


Date: 18.OCT.2019 07:31:25

Band2-1.4MHz-QPSK-19193-6RB#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.



Date: 18.OCT.2019 07:31:51

Band2-1.4MHz-16QAM-18607-6RB#0-1.088

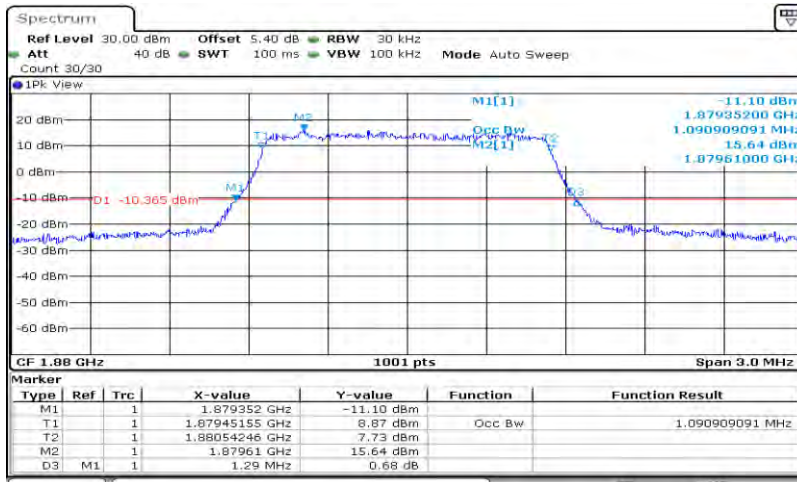


Date: 18.OCT.2019 07:31:12

Band2-1.4MHz-16QAM-18900-6RB#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.



Date: 18.OCT.2019 07:31:38

Band2-1.4MHz-16QAM-19193-6RB#0-1.091

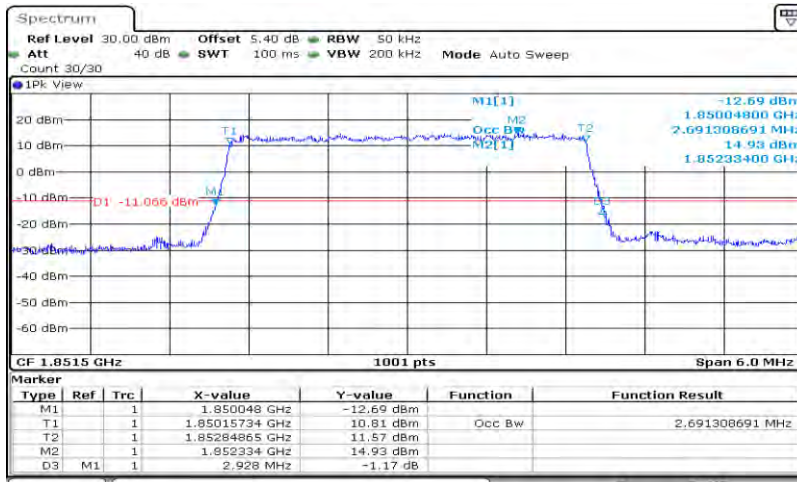


Date: 18.OCT.2019 07:32:04

Band2-3MHz-QPSK-18615-15RB#0-2.691

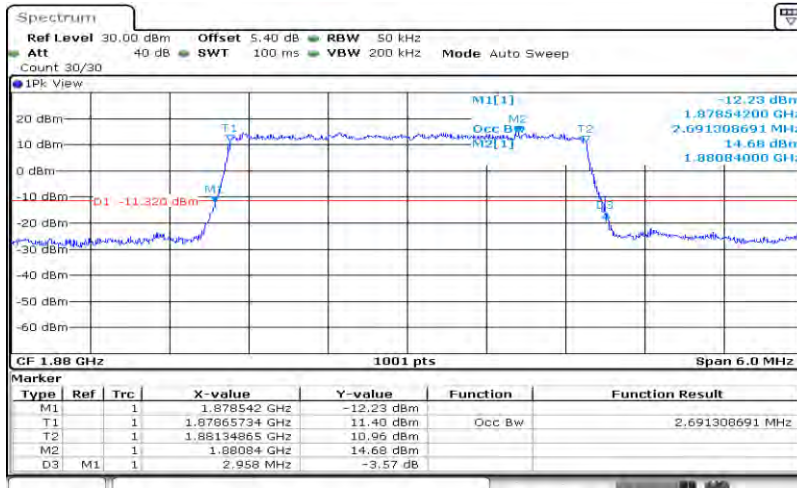


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:32:21

Band2-3MHz-QPSK-18900-15RB#0-2.691

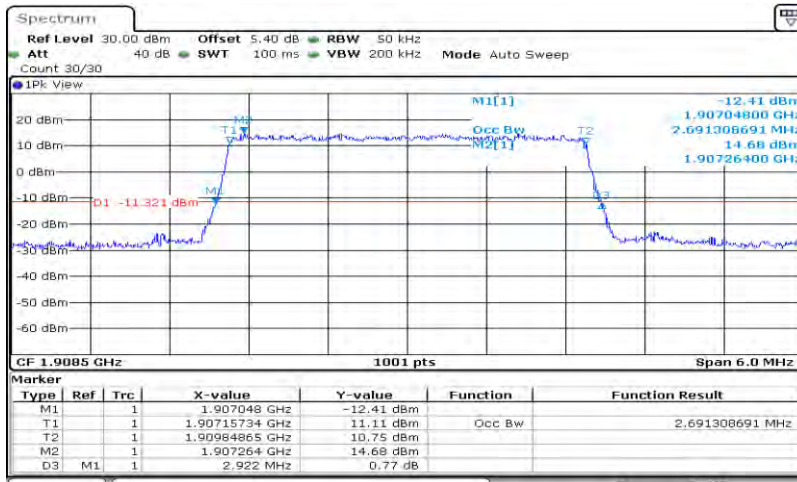


Date: 18.OCT.2019 07:32:47

Band2-3MHz-QPSK-19185-15RB#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.



Date: 18.OCT.2019 07:33:13

Band2-3MHz-16QAM-18615-15RB#0-2.679

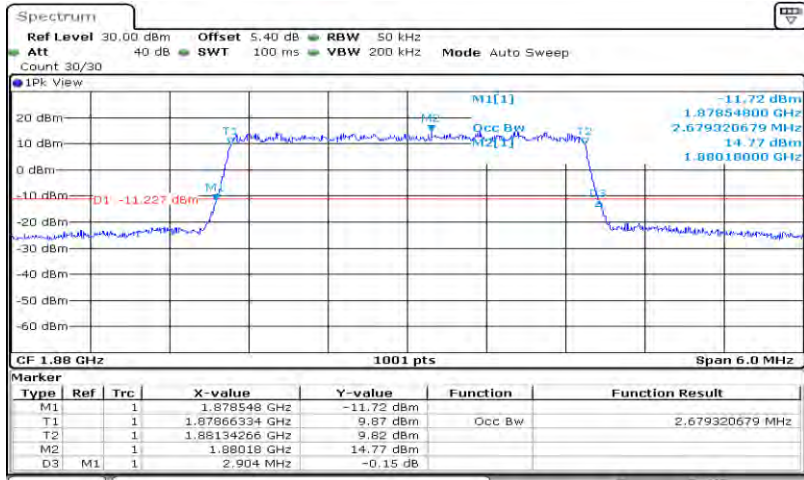


Date: 18.OCT.2019 07:32:34

Band2-3MHz-16QAM-18900-15RB#0-2.679

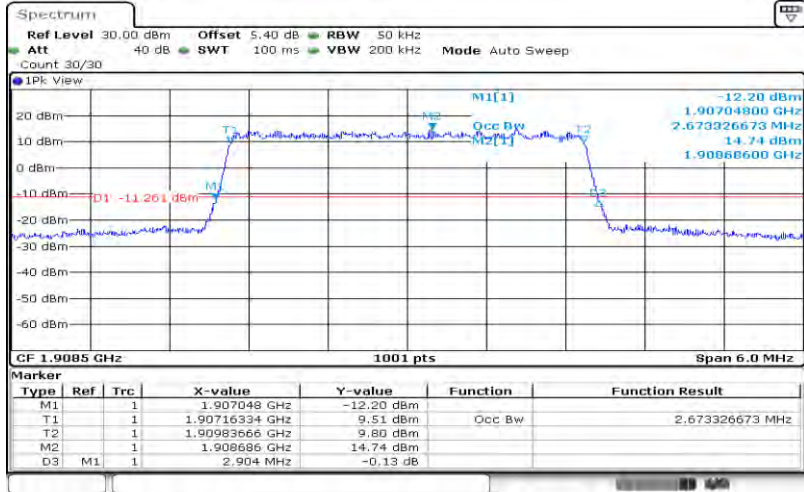


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:33:00

Band2-3MHz-16QAM-19185-15RB#0-2.673

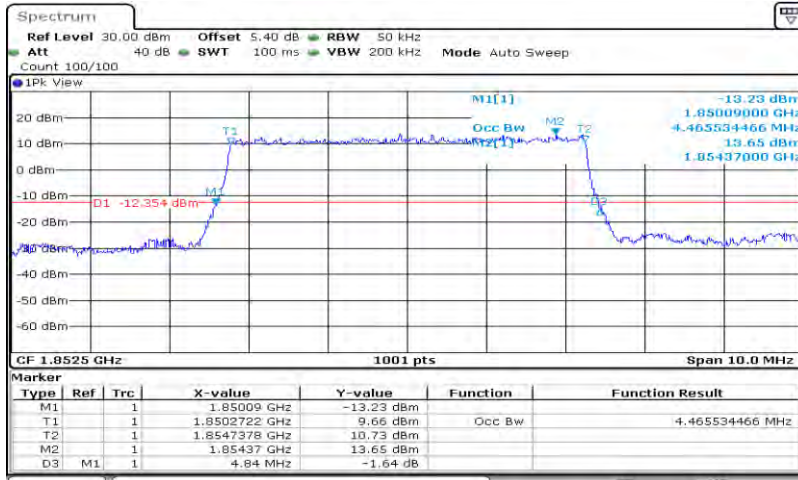


Date: 18.OCT.2019 07:33:25

Band2-5MHz-QPSK-18625-25RB#0-4.466

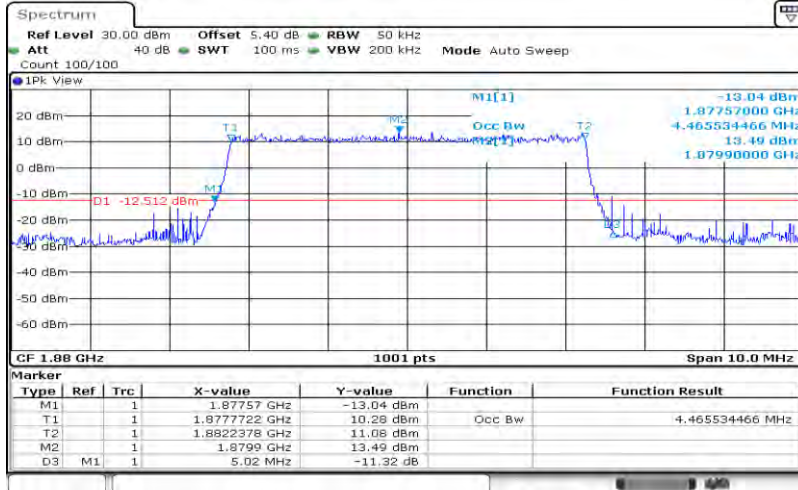


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:33:50

Band2-5MHz-QPSK-18900-25RB#0-4.466

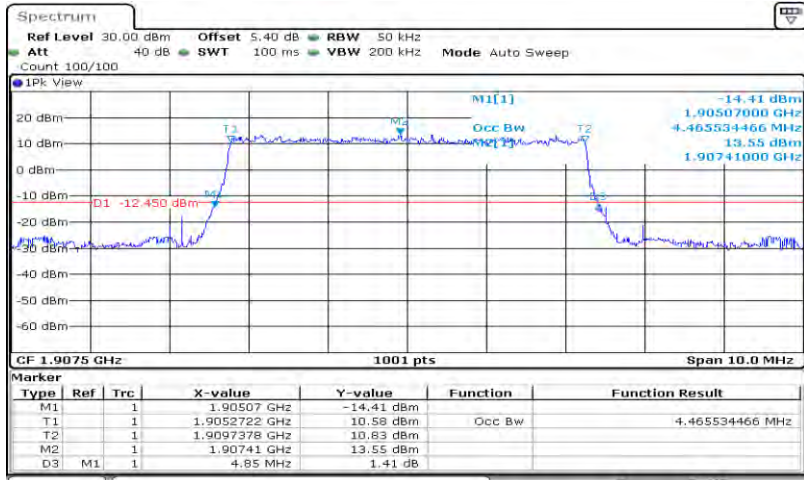


Date: 18.OCT.2019 07:34:29

Band2-5MHz-QPSK-19175-25RB#0-4.466

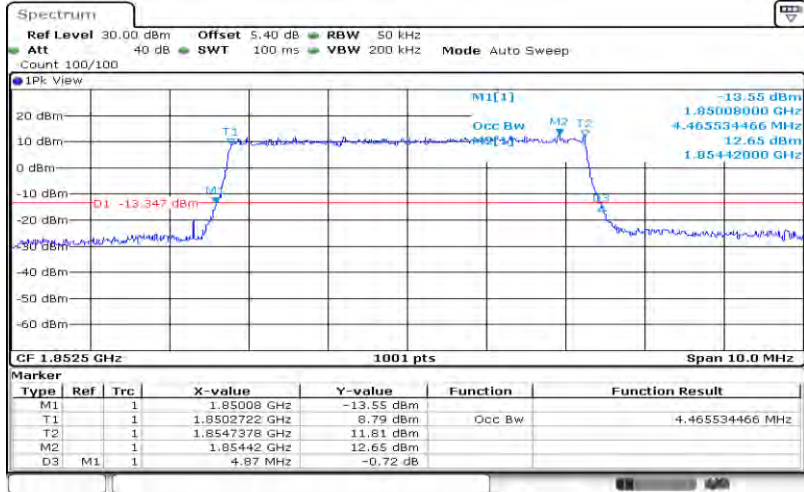


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:35:09

Band2-5MHz-16QAM-18625-25RB#0-4.466

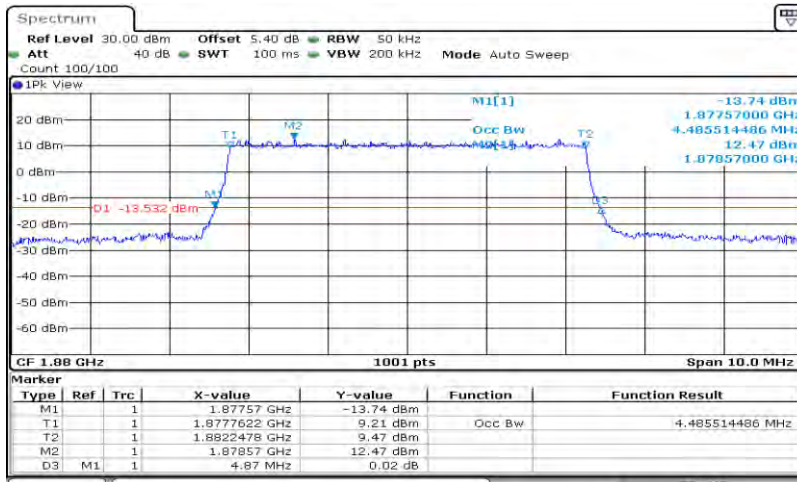


Date: 18.OCT.2019 07:34:09

Band2-5MHz-16QAM-18900-25RB#0-4.486

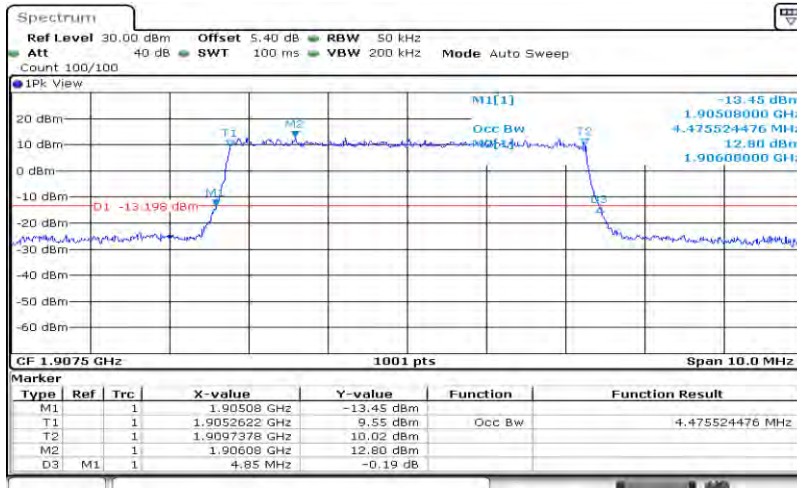


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:34:49

Band2-5MHz-16QAM-19175-25RB#0-4.476

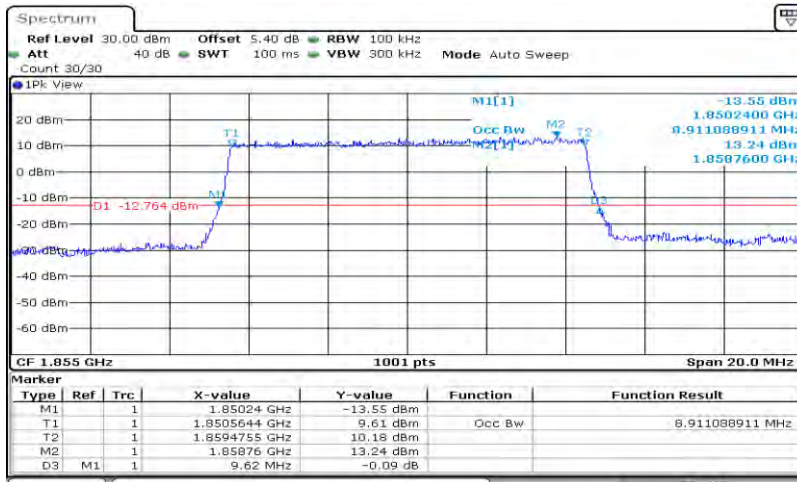


Date: 18.OCT.2019 07:35:29

Band2-10MHz-QPSK-18650-50RB#0-8.911

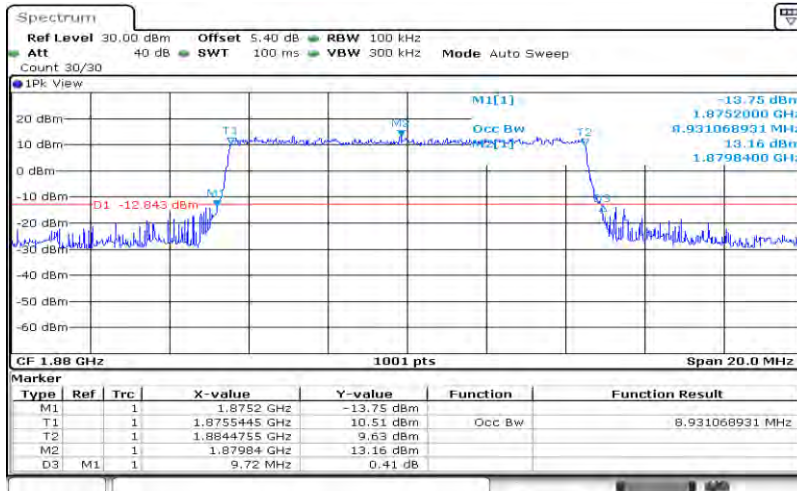


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:35:46

Band2-10MHz-QPSK-18900-50RB#0-8.931

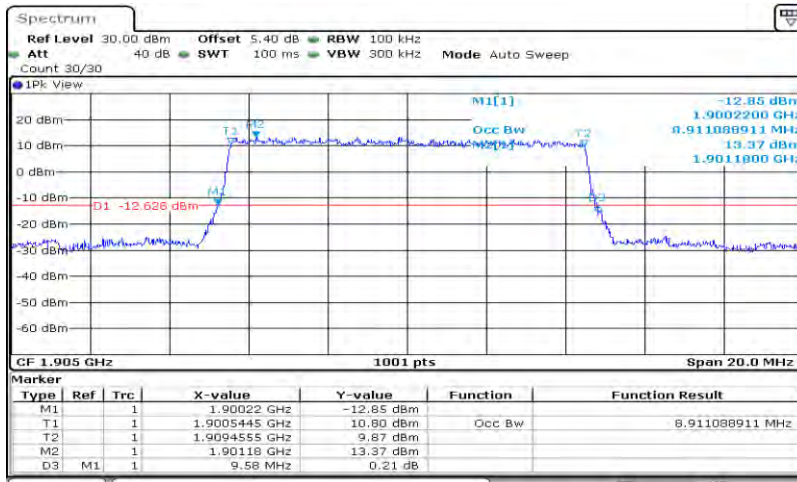


Date: 18.OCT.2019 07:38:12

Band2-10MHz-QPSK-19150-50RB#0-8.911

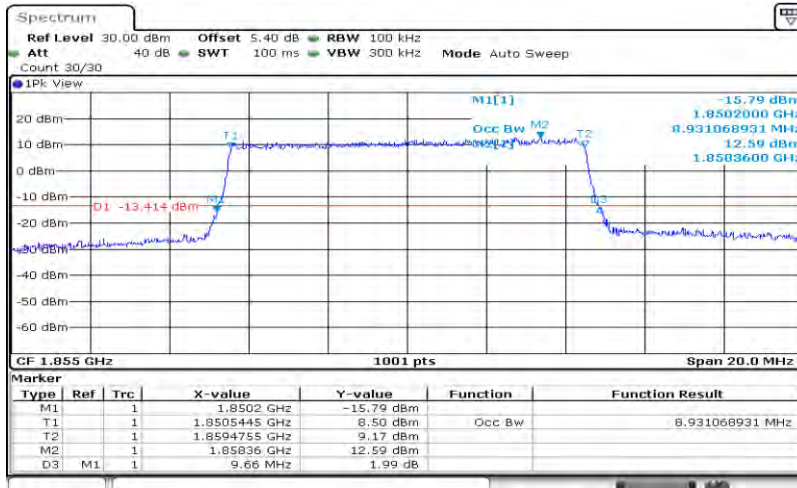


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:38:38

Band2-10MHz-16QAM-18650-50RB#0-8.931

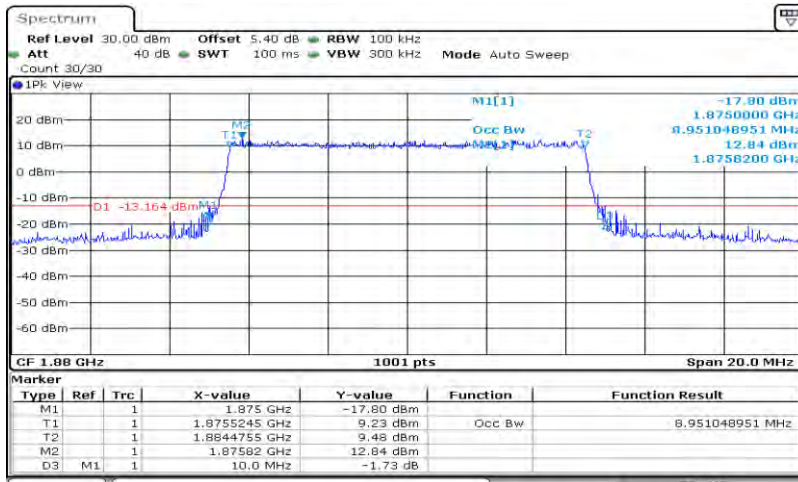


Date: 18.OCT.2019 07:35:59

Band2-10MHz-16QAM-18900-50RB#0-8.951

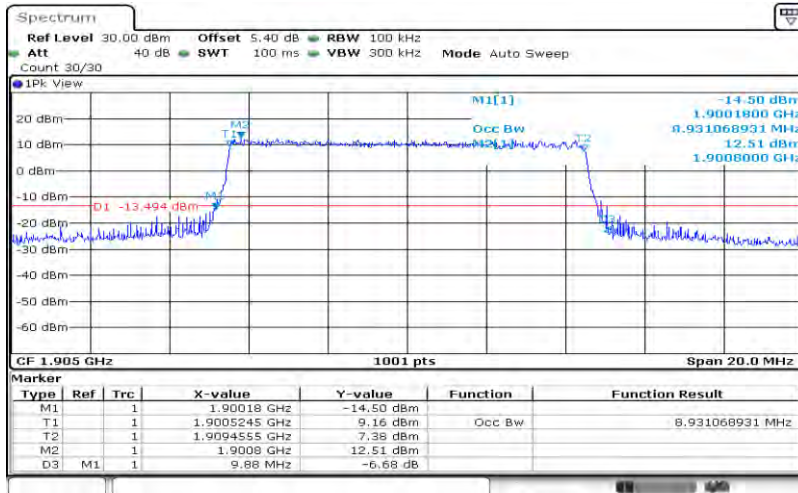


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:36:25

Band2-10MHz-16QAM-19150-50RB#0-8.931

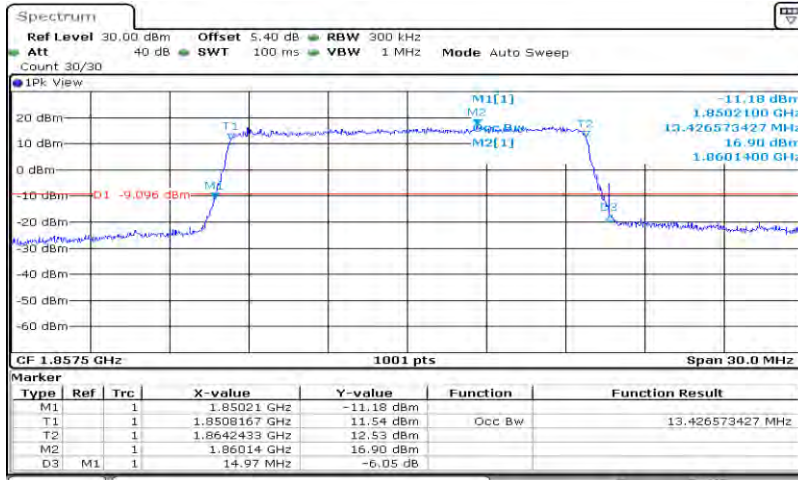


Date: 18.OCT.2019 07:36:50

Band2-15MHz-QPSK-18675-75RB#0-13.427

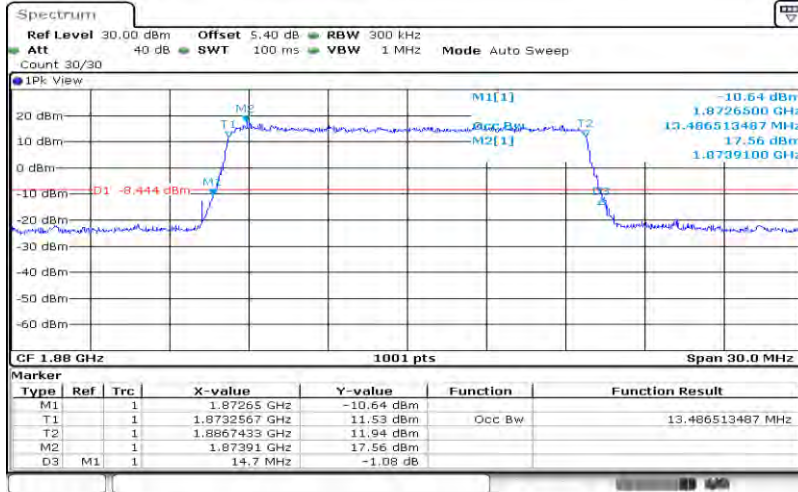


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:37:08

Band2-15MHz-QPSK-18900-75RB#0-13.487

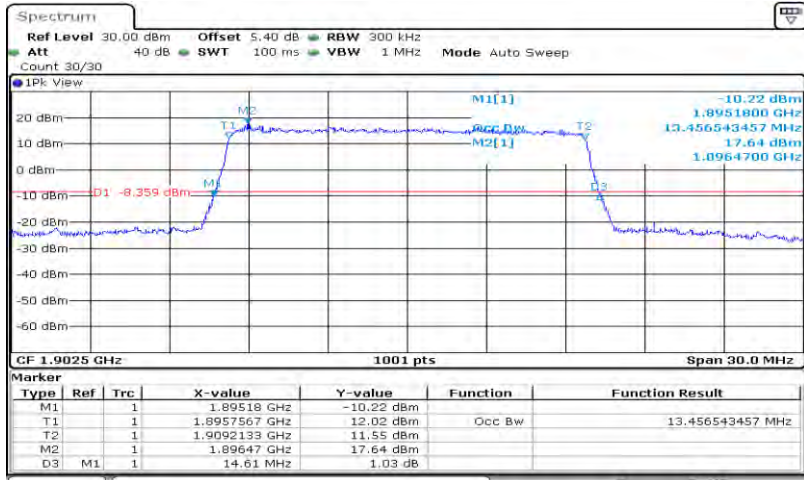


Date: 18.OCT.2019 07:37:33

Band2-15MHz-QPSK-19125-75RB#0-13.457

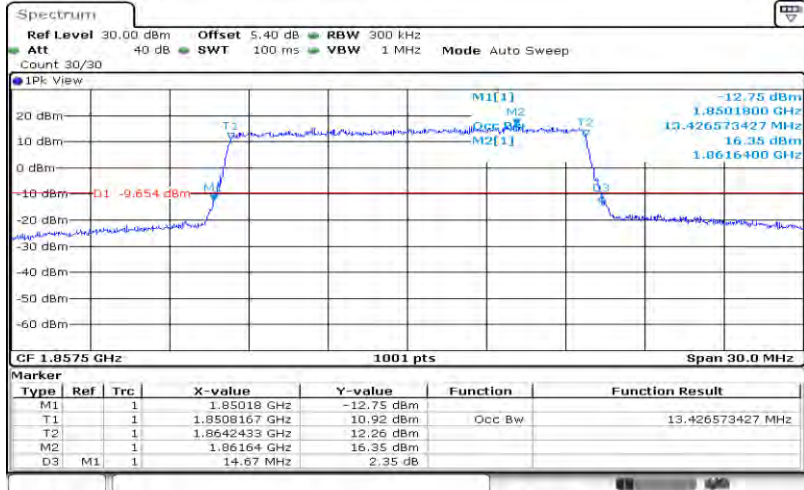


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:37:59

Band2-15MHz-16QAM-18675-75RB#0-13.427

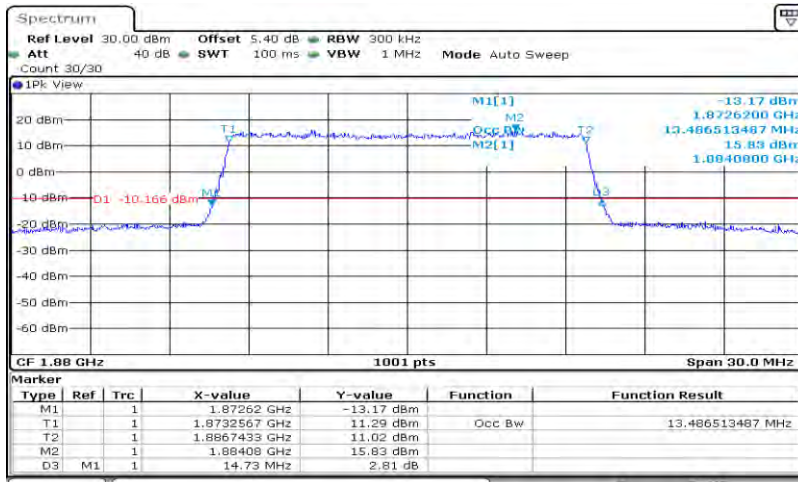


Date: 18.OCT.2019 07:37:21

Band2-15MHz-16QAM-18900-75RB#0-13.487

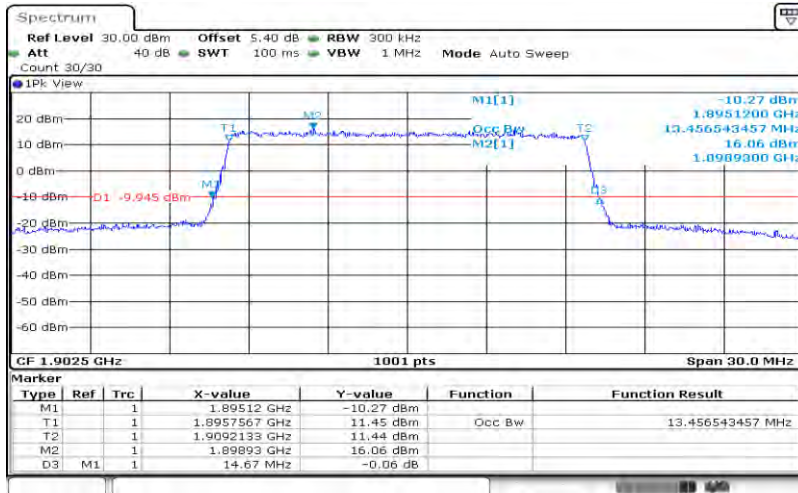


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:37:46

Band2-15MHz-16QAM-19125-75RB#0-13.457

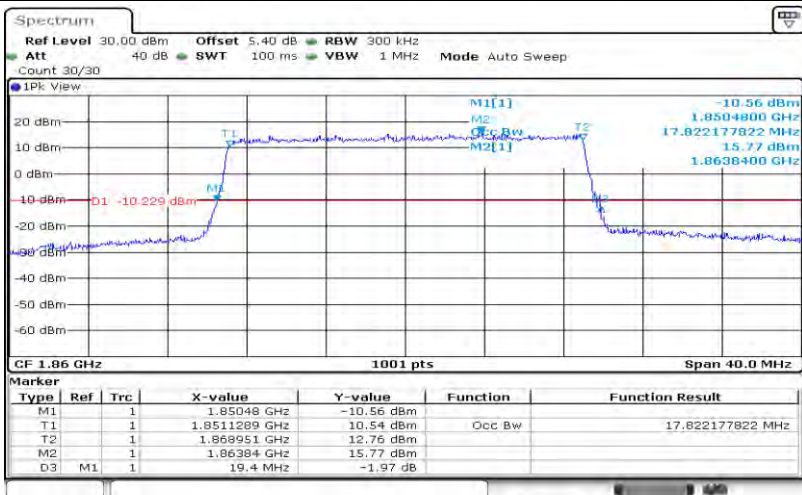


Date: 18.OCT.2019 07:38:12

Band2-20MHz-QPSK-18700-100RB#0-17.822

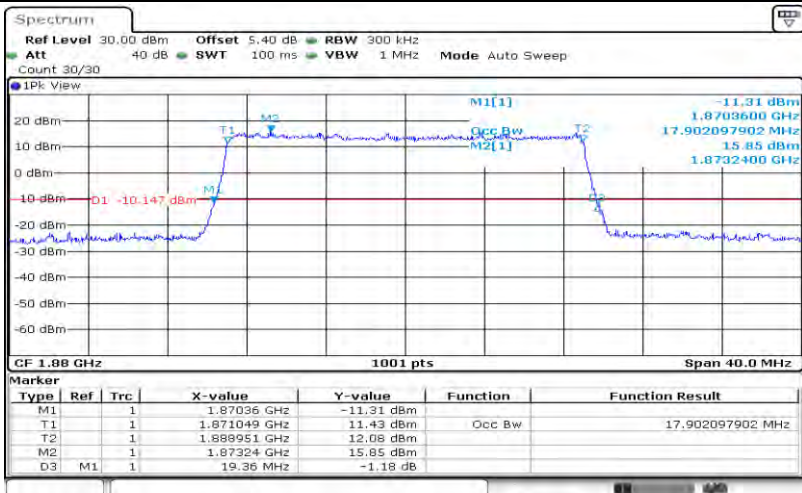


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:38:29

Band2-20MHz-QPSK-18900-100RB#0-17.902



Date: 18.OCT.2019 07:38:55

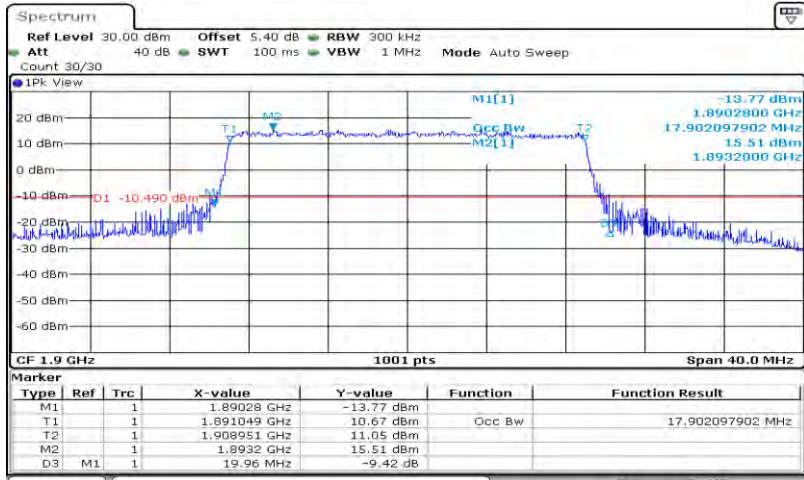
Band2-20MHz-QPSK-19100-100RB#0-17.902



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

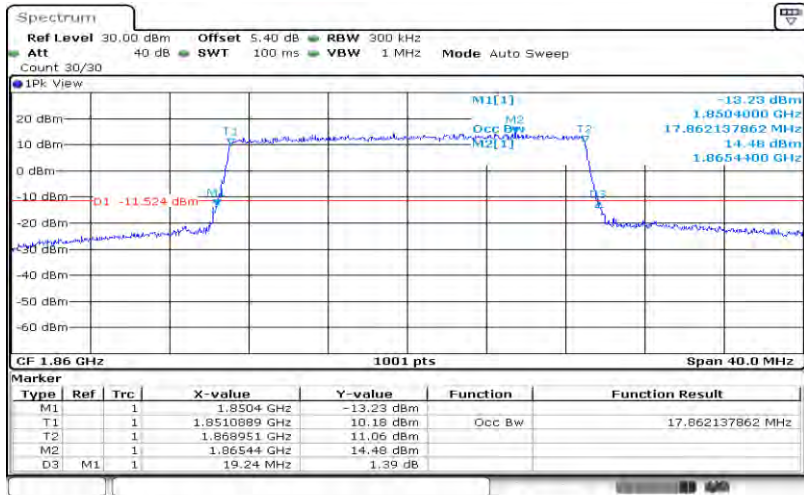
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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: 18.OCT.2019 07:39:21

Band2-20MHz-16QAM-18700-100RB#0-17.862

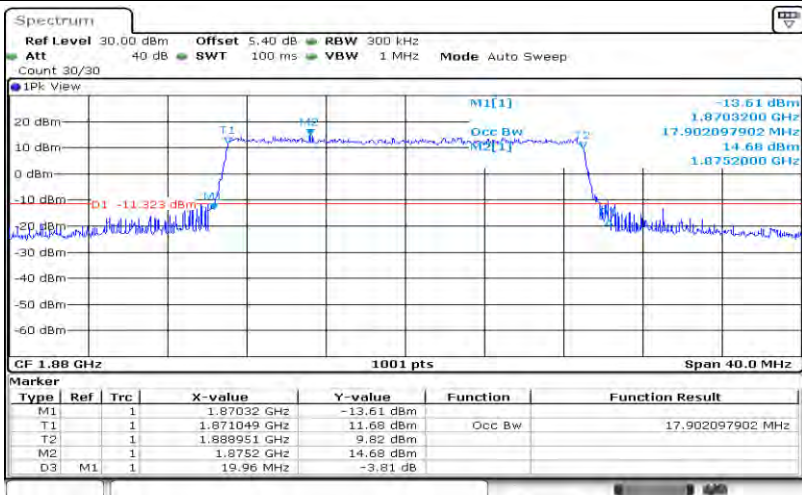


Date: 18.OCT.2019 07:38:42

Band2-20MHz-16QAM-18900-100RB#0-17.902

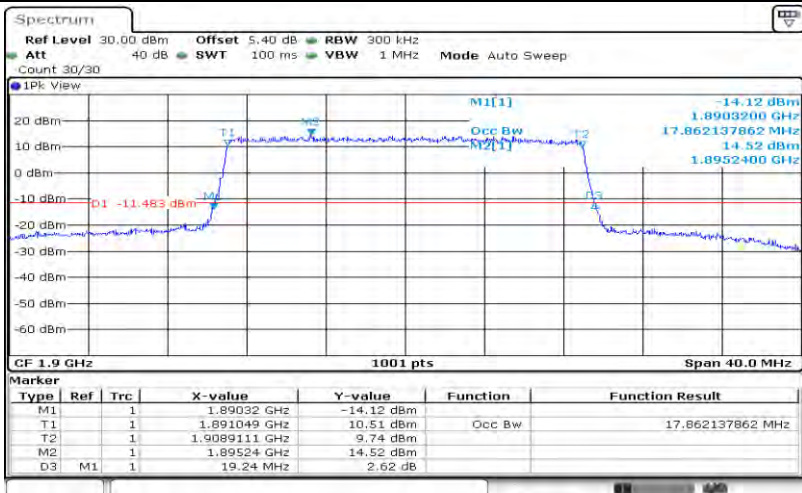


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 07:39:08

Band2-20MHz-16QAM-19100-100RB#0-17.862



Date: 18.OCT.2019 07:39:34



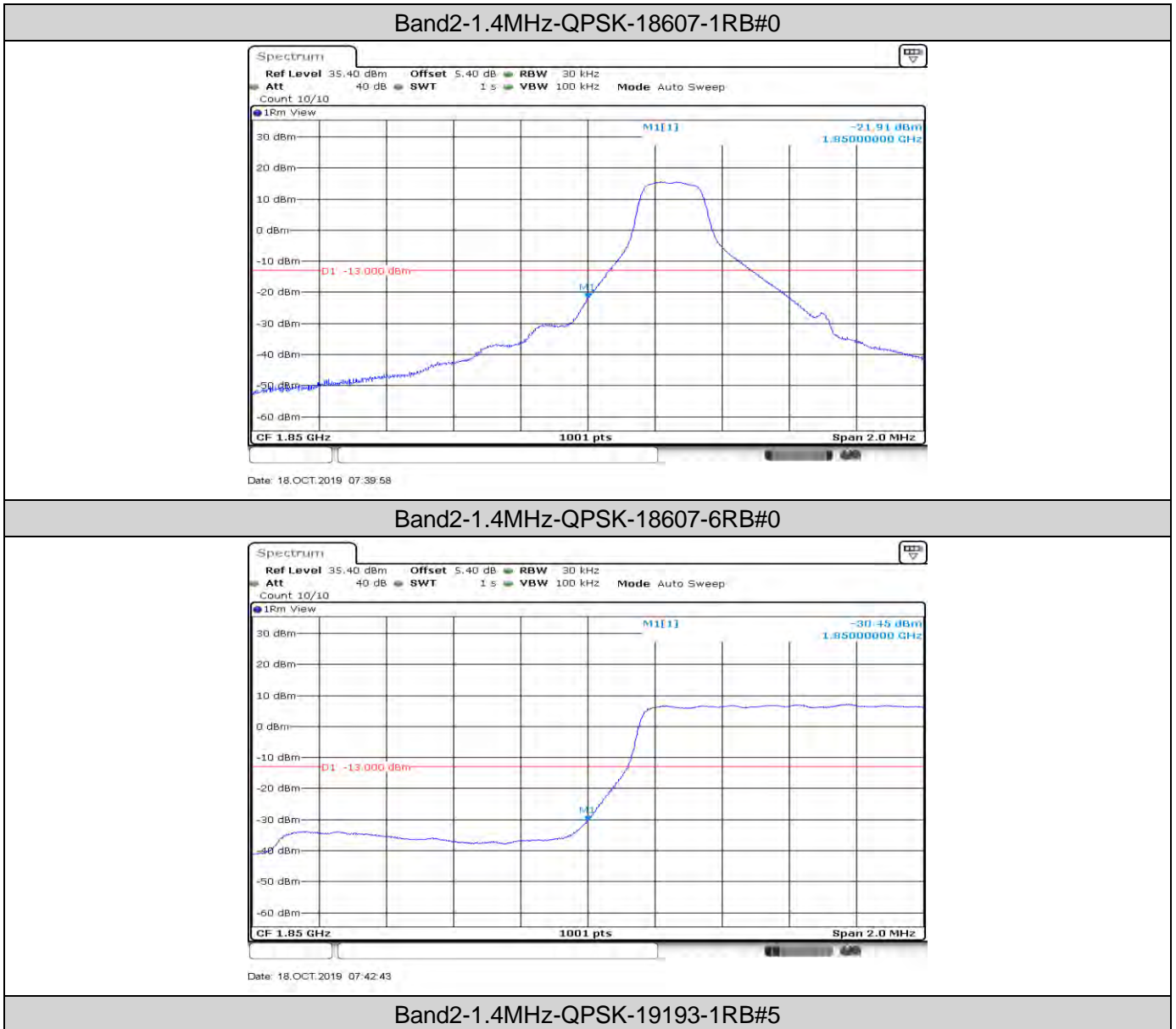
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



5. Band Edge Compliance

5.1. Test Plots



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



Date: 18.OCT.2019 07:41:20

Band2-1.4MHz-QPSK-19193-6RB#0

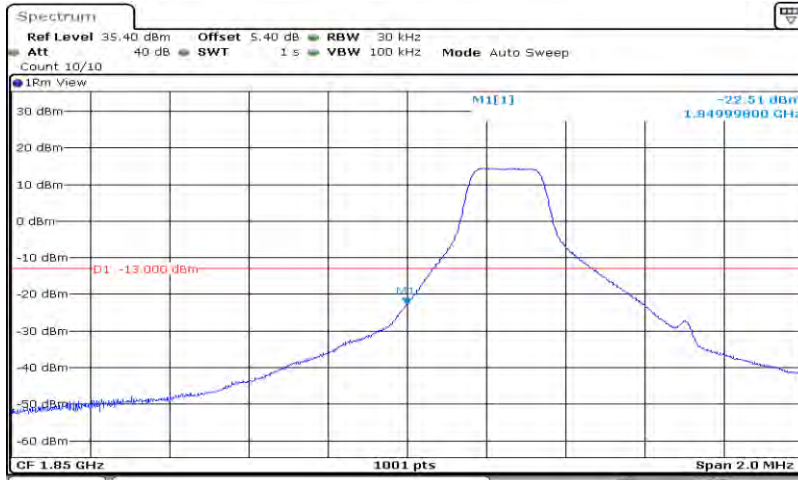


Date: 18.OCT.2019 07:43:22

Band2-1.4MHz-16QAM-18607-1RB#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.



Date: 18.OCT.2019 07:40:18

Band2-1.4MHz-16QAM-18607-6RB#0



Date: 18.OCT.2019 07:43:02

Band2-1.4MHz-16QAM-19193-1RB#5



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



Date: 18.OCT.2019 07:41:40

Band2-1.4MHz-16QAM-19193-6RB#0

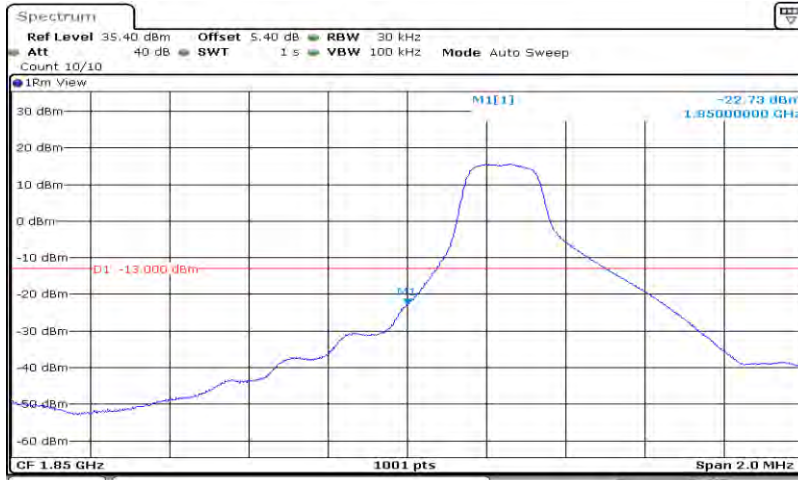


Date: 18.OCT.2019 07:43:42

Band2-3MHz-QPSK-18615-1RB#0



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



Date: 18.OCT.2019 07:44:06

Band2-3MHz-QPSK-18615-15RB#0

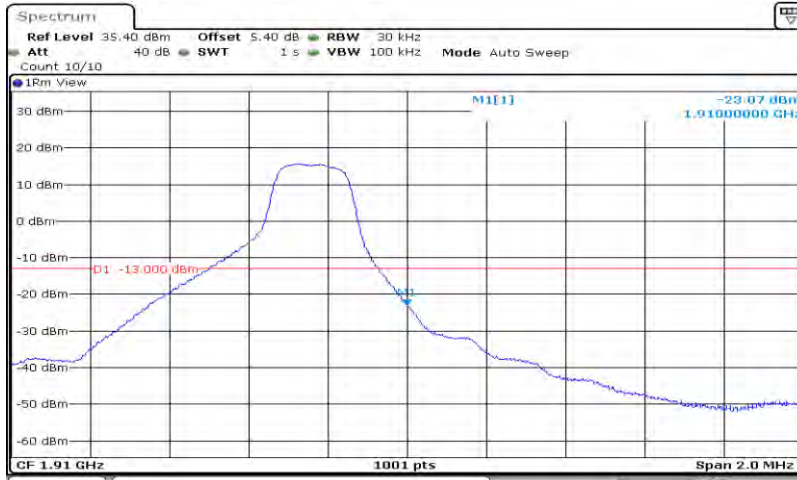


Date: 18.OCT.2019 07:46:51

Band2-3MHz-QPSK-19185-1RB#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-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.



Date: 18.OCT.2019 07:45:29

Band2-3MHz-QPSK-19185-15RB#0



Date: 18.OCT.2019 07:47:32

Band2-3MHz-16QAM-18615-1RB#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.



Date: 18.OCT.2019 07:44:26

Band2-3MHz-16QAM-18615-15RB#0



Date: 18.OCT.2019 07:47:11

Band2-3MHz-16QAM-19185-1RB#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.



Date: 18.OCT.2019 07:45:48

Band2-3MHz-16QAM-19185-15RB#0

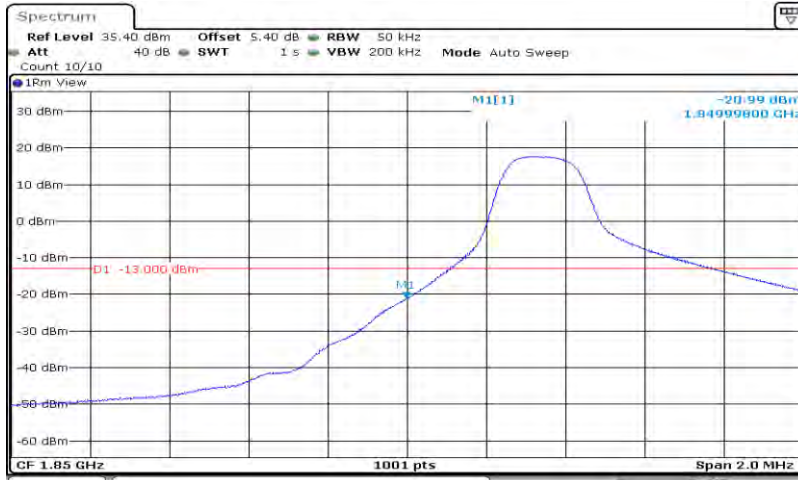


Date: 18.OCT.2019 07:47:51

Band2-5MHz-QPSK-18625-1RB#0



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



Date: 18.OCT.2019 07:48:16

Band2-5MHz-QPSK-18625-25RB#0

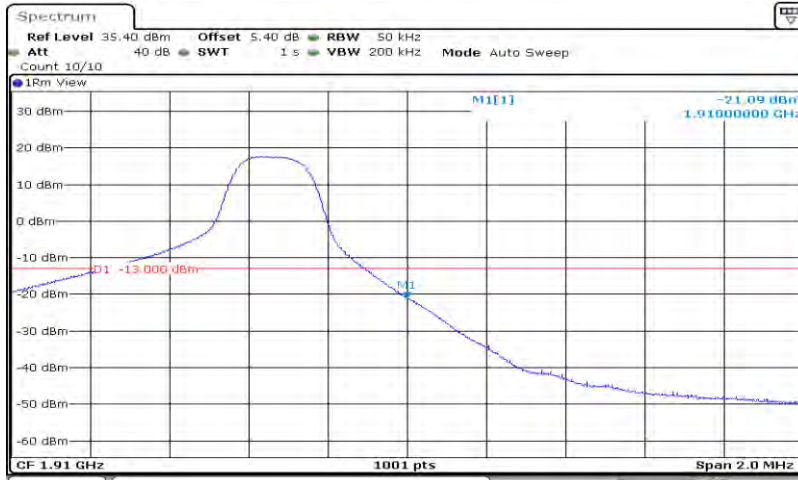


Date: 18.OCT.2019 07:51:01

Band2-5MHz-QPSK-19175-1RB#24



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



Date: 18.OCT.2019 07:49:38

Band2-5MHz-QPSK-19175-25RB#0

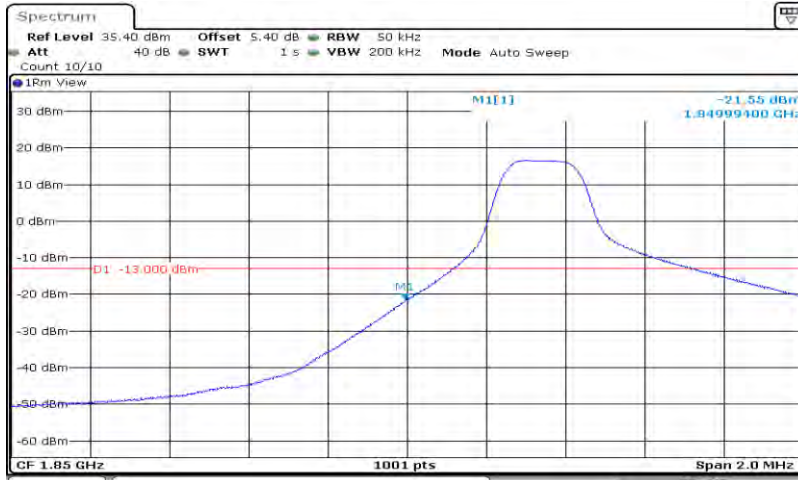


Date: 18.OCT.2019 07:51:40

Band2-5MHz-16QAM-18625-1RB#0



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



Date: 18.OCT.2019 07:48:35

Band2-5MHz-16QAM-18625-25RB#0



Date: 18.OCT.2019 07:51:20

Band2-5MHz-16QAM-19175-1RB#24



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



Band2-5MHz-16QAM-19175-25RB#0



Band2-10MHz-QPSK-18650-1RB#0



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



Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-19150-1RB#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-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.



Date: 18.OCT.2019 07:53:47

Band2-10MHz-QPSK-19150-50RB#0



Date: 18.OCT.2019 07:55:49

Band2-10MHz-16QAM-18650-1RB#0



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



Date: 18.OCT.2019 07:52:44

Band2-10MHz-16QAM-18650-50RB#0



Date: 18.OCT.2019 07:55:29

Band2-10MHz-16QAM-19150-1RB#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-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.



Date: 18.OCT.2019 07:54:06

Band2-10MHz-16QAM-19150-50RB#0



Date: 18.OCT.2019 07:56:08

Band2-15MHz-QPSK-18675-1RB#0



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



Date: 18.OCT.2019 07:56:33

Band2-15MHz-QPSK-18675-75RB#0



Date: 18.OCT.2019 07:59:19

Band2-15MHz-QPSK-19125-1RB#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.



Date: 18.OCT.2019 07:57:57

Band2-15MHz-QPSK-19125-75RB#0



Date: 18.OCT.2019 07:59:58

Band2-15MHz-16QAM-18675-1RB#0



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



Date: 18.OCT.2019 07:56:53

Band2-15MHz-16QAM-18675-75RB#0



Date: 18.OCT.2019 07:59:38

Band2-15MHz-16QAM-19125-1RB#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-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.



Date: 18.OCT.2019 07:58:16

Band2-15MHz-16QAM-19125-75RB#0



Date: 18.OCT.2019 08:00:18

Band2-20MHz-QPSK-18700-1RB#0



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



Date: 18.OCT.2019 08:00:43

Band2-20MHz-QPSK-18700-100RB#0



Date: 18.OCT.2019 08:03:29

Band2-20MHz-QPSK-19100-1RB#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-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.



Date: 18.OCT.2019 08:02:06

Band2-20MHz-QPSK-19100-100RB#0



Date: 18.OCT.2019 08:04:08

Band2-20MHz-16QAM-18700-1RB#0

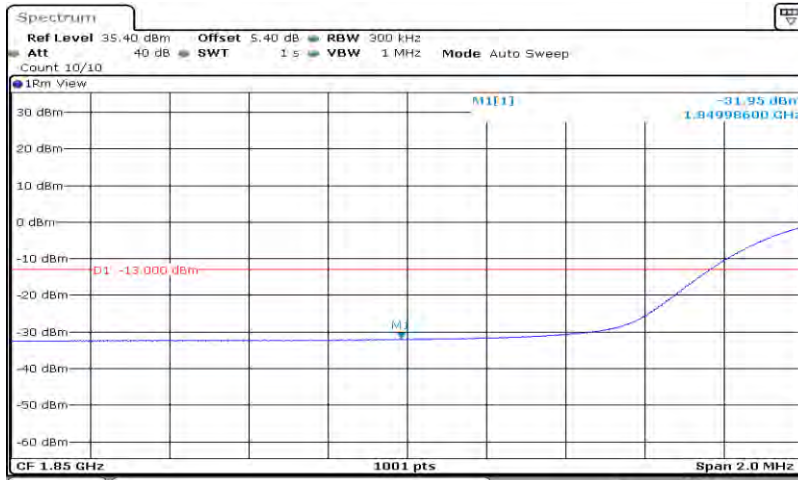


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 08:01:02

Band2-20MHz-16QAM-18700-100RB#0



Date: 18.OCT.2019 08:03:49

Band2-20MHz-16QAM-19100-1RB#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-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: 18.OCT.2019 08:02:26

Band2-20MHz-16QAM-19100-100RB#0



Date: 18.OCT.2019 08:04:28



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

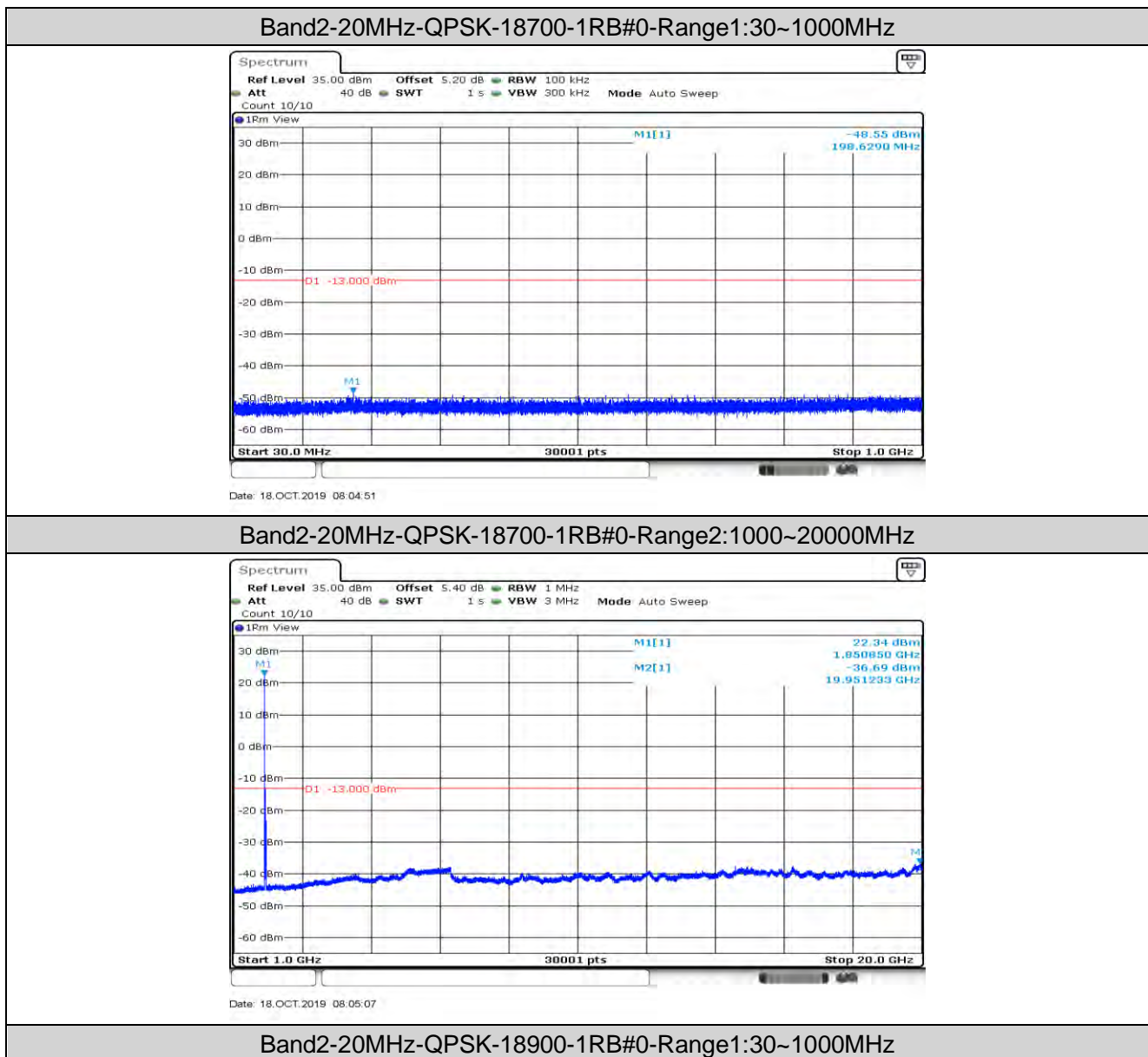
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

6. Spurious Emission at Antenna Terminal

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

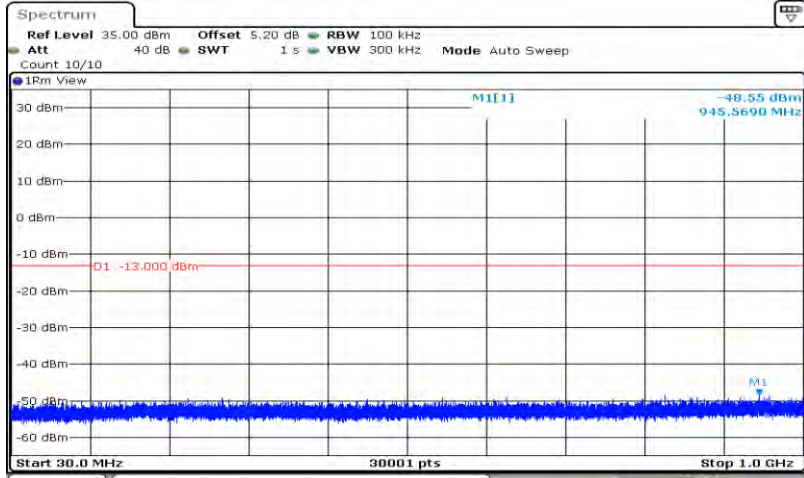
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



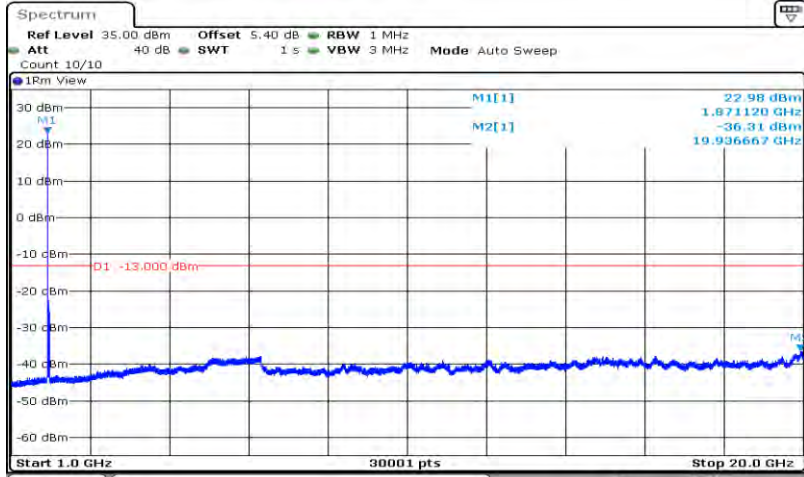
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 18.OCT.2019 08:06:02

Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

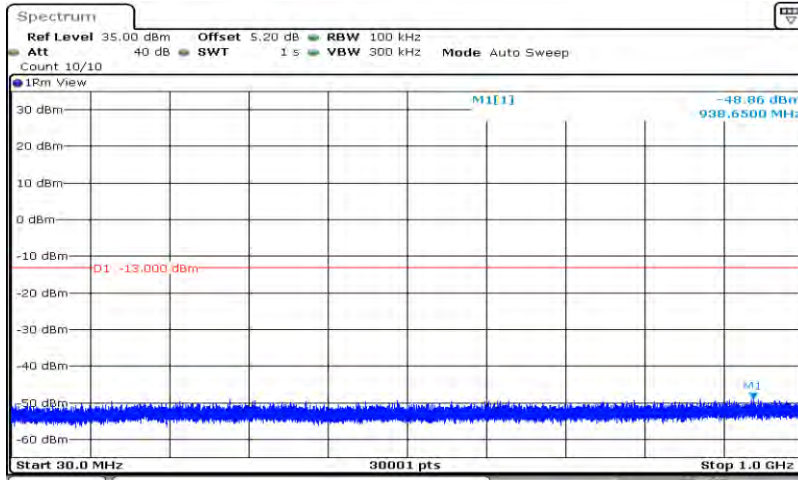


Date: 18.OCT.2019 08:06:18

Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

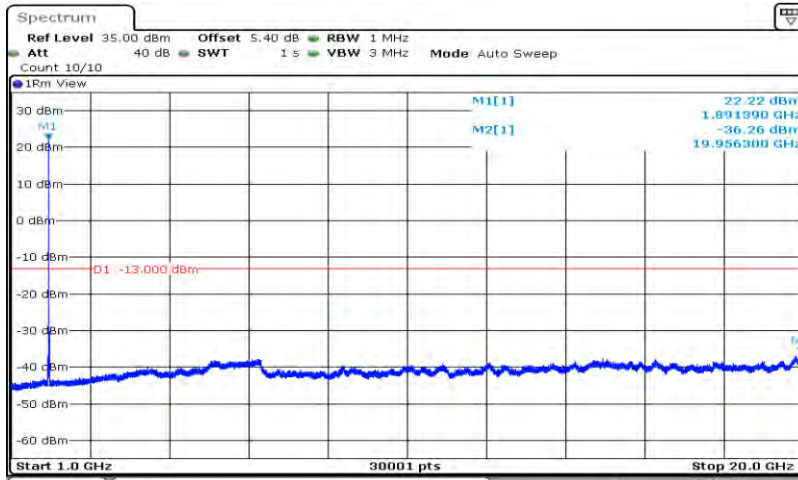


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 08:07:12

Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz

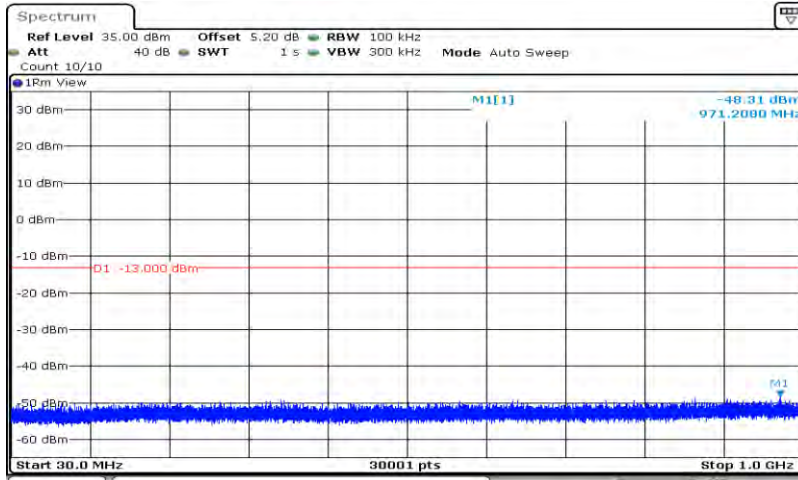


Date: 18.OCT.2019 08:07:29

Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz

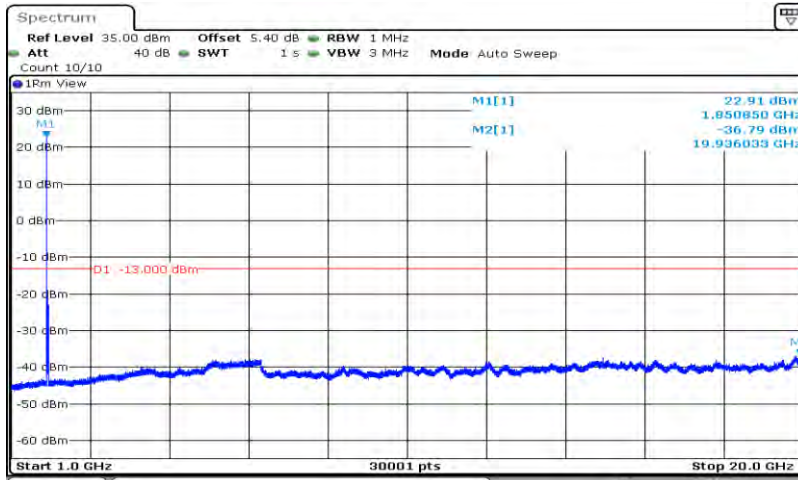


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 08:05:26

Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz

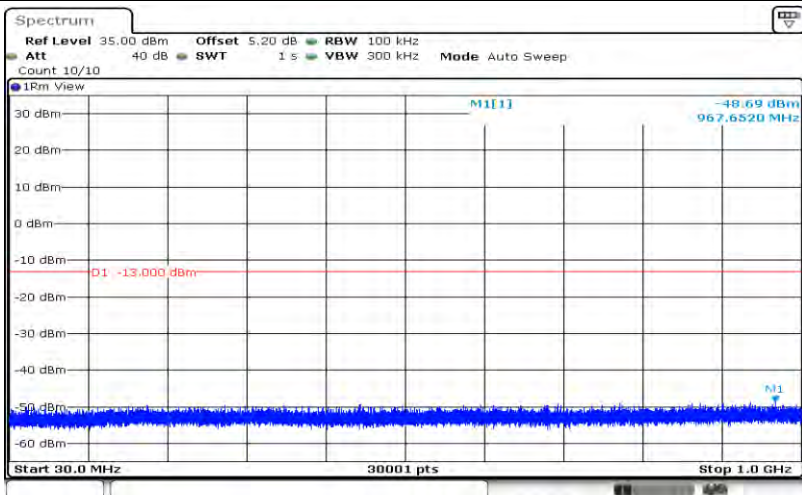


Date: 18.OCT.2019 08:05:43

Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

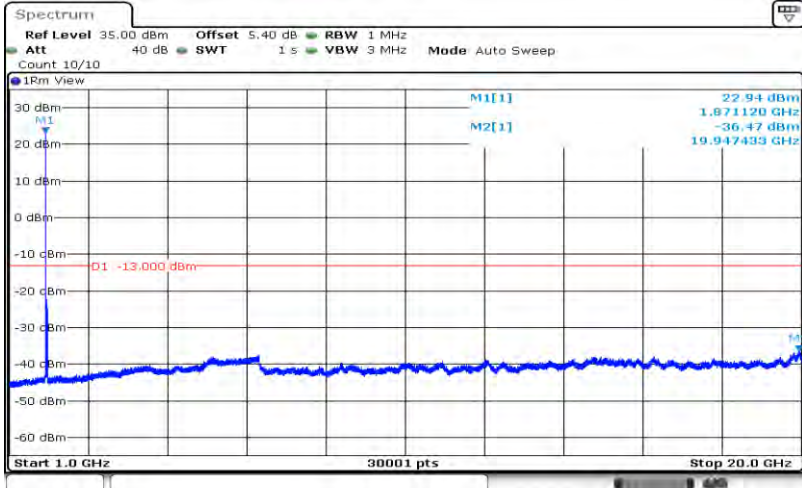


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 18.OCT.2019 08:06:37

Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Date: 18.OCT.2019 08:06:53

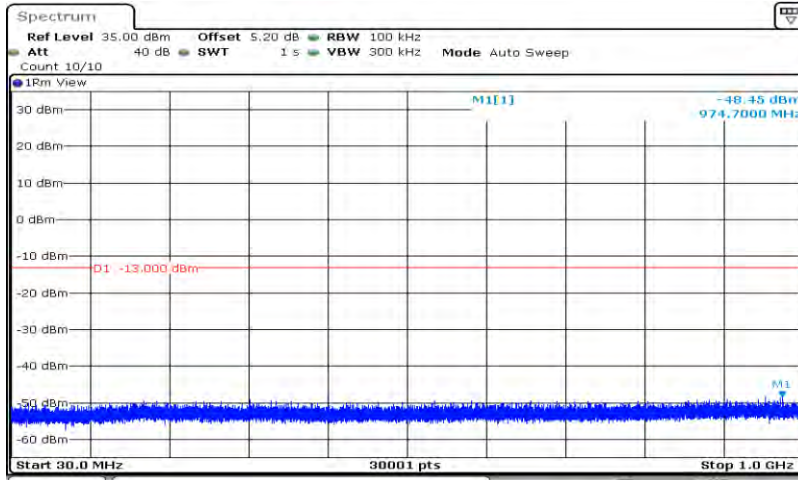
Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



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-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.

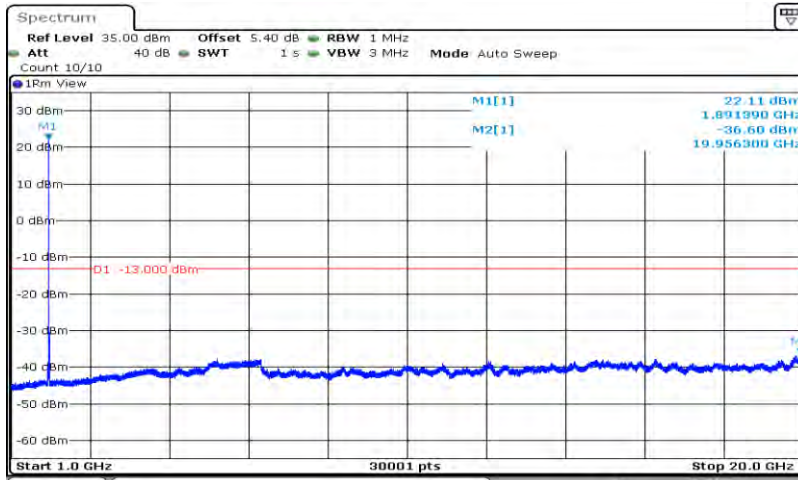
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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: 18.OCT.2019 08:07:47

Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



Date: 18.OCT.2019 08:08:04



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

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

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
69.8690	-69.19	-13.00	56.19	Vertical
109.0590	-64.01	-13.00	51.01	Vertical
468.4134	-66.21	-13.00	53.21	Vertical
2692.7385	-36.89	-13.00	23.89	Vertical
7970.1657	-52.49	-13.00	39.49	Vertical
17987.4996	-32.87	-13.00	19.87	Vertical
44.2597	-63.40	-13.00	50.40	Horizontal
241.1796	-68.07	-13.00	55.07	Horizontal
1220.4441	-47.75	-13.00	34.75	Horizontal
2699.5399	-35.24	-13.00	22.24	Horizontal
7468.6490	-53.03	-13.00	40.03	Horizontal
17993.4998	-37.83	-13.00	24.83	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-71.10	-13.00	58.10	Vertical
110.1745	-64.49	-13.00	51.49	Vertical
449.2550	-66.12	-13.00	53.12	Vertical
2696.3393	-37.01	-13.00	24.01	Vertical
7996.6666	-52.37	-13.00	39.37	Vertical
17994.9998	-32.61	-13.00	19.61	Vertical
43.4837	-63.96	-13.00	50.96	Horizontal
227.8414	-67.65	-13.00	54.65	Horizontal
618.5769	-63.55	-13.00	50.55	Horizontal
2700.3401	-35.56	-13.00	22.56	Horizontal
7492.6498	-53.20	-13.00	40.20	Horizontal
16400.4467	-38.46	-13.00	25.46	Horizontal



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



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7704	-70.26	-13.00	57.26	Vertical
107.4584	-64.13	-13.00	51.13	Vertical
423.3547	-67.70	-13.00	54.70	Vertical
2696.7393	-36.82	-13.00	23.82	Vertical
8004.1668	-51.94	-13.00	38.94	Vertical
17994.4998	-33.22	-13.00	20.22	Vertical
42.8046	-63.82	-13.00	50.82	Horizontal
116.8193	-75.50	-13.00	62.50	Horizontal
249.4250	-68.15	-13.00	55.15	Horizontal
2703.1406	-35.62	-13.00	22.62	Horizontal
7982.6661	-52.77	-13.00	39.77	Horizontal
16400.4467	-38.31	-13.00	25.31	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.

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



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
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-10.60	-0.005699	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-14.60	-0.007849	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-12.10	-0.006505	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-9.70	-0.005160	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-14.30	-0.007606	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-11.50	-0.006117	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	8.80	0.004632	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-13.50	-0.007105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	1.00	0.000526	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-17.70	-0.009516	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-4.80	-0.002581	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-12.50	-0.006649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-16.00	-0.008511	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	0.70	0.000372	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	1.90	0.001000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	1.10	0.000579	±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
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-10.10	-0.005430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-4.70	-0.002527	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-8.50	-0.004570	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	7.10	0.003817	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-3.00	-0.001613	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.80	0.000430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-14.40	-0.007742	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	0.80	0.000426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-9.00	-0.004787	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-8.00	-0.004255	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-13.50	-0.007181	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-14.70	-0.007819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-14.70	-0.007819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.50	-0.000266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.50	-0.000798	±2.5	PASS



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

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



Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-7.20	-0.003789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	7.00	0.003684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	6.40	0.003368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-9.50	-0.005000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.80	-0.005158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	1.50	0.000789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-7.10	-0.003737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-13.40	-0.007053	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-8.80	-0.004731	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	0.30	0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-8.70	-0.004677	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-9.00	-0.004839	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-18.90	-0.010161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-1.70	-0.000914	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-0.30	-0.000161	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-14.90	-0.007926	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-14.50	-0.007713	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-1.00	-0.000532	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	0.50	0.000266	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-9.40	-0.005000	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	5.40	0.002872	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-13.40	-0.007128	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-16.00	-0.008421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-10.20	-0.005368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-13.20	-0.006947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	5.00	0.002632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-15.20	-0.008000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.60	-0.001895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-10.80	-0.005684	±2.5	PASS

The End



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