



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



CONTENT

1.	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	4
1.1.	TEST RESULT.....	4
2.	PEAK-TO-AVERAGE RATIO (CCDF).....	12
2.1.	TEST RESULT.....	12
2.2.	TEST PLOTS	12
3.	MODULATION CHARACTERISTICS	16
3.1.	TEST MODE = LTE /TM1 20MHZ	16
3.1.1.	TEST CHANNEL = MCH	16
3.2.	TEST MODE = LTE /TM2 20MHZ	17
3.2.1.	TEST CHANNEL = MCH	17
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	18
4.1.	TEST RESULT.....	18
4.2.	TEST PLOTS	19
5.	BAND EDGE COMPLIANCE.....	38
5.1.	TEST PLOTS	38
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	63
6.1.	TEST PLOTS	63
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	70
7.1.	Test Band = LTE_2 _TM1	70
7.1.1.	Test Channel = Low Channel	70
7.2.	Test Band = LTE_2 _TM1	71
7.2.1.	Test Channel = Low Channel	71
7.3.	Test Band = LTE_2 _TM1	72
7.3.1.	Test Channel = Mid Channel	72
7.4.	Test Band = LTE_2 _TM1	73
7.4.1.	Test Channel = Mid Channel	73
7.5.	Test Band = LTE_2 _TM1	74
7.5.1.	Test Channel = High Channel	74
7.6.	Test Band = LTE_2 _TM1	75
7.6.1.	Test Channel = High Channel	75



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



8.	FREQUENCY STABILITY.....	76
8.1.	FREQUENCY VS VOLTAGE.....	76
8.2.	FREQUENCY VS TEMPERATURE	76



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



1. Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.92	27.22	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.08	27.38	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.91	27.21	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	24.14	27.44	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	24.14	27.44	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	24.17	27.47	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.03	26.33	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.97	27.27	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.09	27.39	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.00	27.30	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.07	27.37	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.13	27.43	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.05	27.35	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.09	26.39	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.98	27.28	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.06	27.36	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.89	27.19	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	24.06	27.36	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	24.14	27.44	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	24.14	27.44	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.14	26.44	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.35	26.65	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.07	26.37	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.34	26.64	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.15	26.45	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.11	26.41	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	23.12	26.42	33.00	PASS





Band2	1.4MHz	16QAM	18607	6RB#0	22.22	25.52	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.33	26.63	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.33	26.63	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.98	26.28	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.10	26.40	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.04	26.34	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.96	26.26	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.32	25.62	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.11	26.41	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.50	26.80	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.07	26.37	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	23.10	26.40	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.13	26.43	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.16	26.46	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.11	25.41	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.98	27.28	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	24.05	27.35	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.97	27.27	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.97	26.27	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	23.04	26.34	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.91	26.21	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.94	26.24	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.94	27.24	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	24.16	27.46	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	24.00	27.30	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	23.02	26.32	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	23.03	26.33	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.99	26.29	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	23.03	26.33	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.94	27.24	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.08	27.38	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.97	27.27	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.94	26.24	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	3MHz	QPSK	19185	8RB#0	22.97	26.27	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	23.05	26.35	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.99	26.29	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.34	26.64	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.26	26.56	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.07	26.37	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.08	25.38	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.04	25.34	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.25	25.55	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.94	25.24	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.19	26.49	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.00	26.30	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.36	26.66	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	22.06	25.36	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.22	25.52	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	22.04	25.34	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.91	25.21	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.05	26.35	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.49	26.79	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.14	26.44	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.11	25.41	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.16	25.46	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.16	25.46	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	22.00	25.30	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	24.00	27.30	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.01	27.31	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.81	27.11	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.95	26.25	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	23.04	26.34	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	23.05	26.35	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.94	26.24	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.98	27.28	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	24.01	27.31	33.00	PASS





Band2	5MHz	QPSK	18900	1RB#12	23.86	27.16	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.94	26.24	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	23.01	26.31	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	23.02	26.32	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.09	26.39	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.90	27.20	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.04	27.34	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.97	27.27	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	23.01	26.31	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	23.13	26.43	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.90	26.20	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.99	26.29	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.92	26.22	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.46	26.76	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.31	26.61	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.93	25.23	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.97	25.27	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.99	25.29	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.01	25.31	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.78	26.08	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.43	26.73	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.95	26.25	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.92	25.22	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.97	25.27	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	22.05	25.35	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	22.14	25.44	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.25	26.55	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.33	26.63	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.00	26.30	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.08	25.38	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	22.05	25.35	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.87	25.17	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.99	25.29	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.

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	10MHz	QPSK	18650	1RB#0	22.98	26.28	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.04	26.34	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.07	26.37	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.93	26.23	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	23.99	27.29	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	24.03	27.33	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	24.00	27.30	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.97	26.27	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.11	26.41	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.17	26.47	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.04	26.34	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	23.98	27.28	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	24.25	27.55	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	24.10	27.40	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.96	26.26	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.03	26.33	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.01	26.31	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.96	26.26	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	23.43	26.73	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	23.50	26.80	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.09	26.39	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.03	25.33	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.09	25.39	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.02	25.32	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.03	25.33	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	23.01	26.31	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	23.50	26.80	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	23.06	26.36	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.88	25.18	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.18	25.48	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.16	25.46	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.10	25.40	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	23.21	26.51	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	10MHz	16QAM	18900	25RB#0	23.41	26.71	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	23.13	26.43	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.97	25.27	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.01	25.31	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.02	25.32	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	22.04	25.34	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	22.98	26.28	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	23.04	26.34	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	23.07	26.37	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.93	27.23	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.97	27.27	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.95	27.25	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	23.13	26.43	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	23.04	26.34	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.95	26.25	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.98	26.28	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.97	27.27	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.06	27.36	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.91	27.21	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.99	26.29	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	23.12	26.42	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	23.13	26.43	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.01	26.31	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.01	27.31	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.96	27.26	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.91	27.21	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	23.00	26.30	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	23.03	26.33	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	23.14	26.44	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.09	26.39	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.86	26.16	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.14	26.44	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.06	26.36	33.00	PASS





Band2	15MHz	16QAM	18675	36RB#0	22.03	25.33	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	22.11	25.41	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	22.05	25.35	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	22.03	25.33	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.38	26.68	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	23.09	26.39	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.12	26.42	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	22.00	25.30	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	22.11	25.41	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	22.01	25.31	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	22.08	25.38	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.44	26.74	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.27	26.57	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.15	26.45	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	22.09	25.39	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	22.14	25.44	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	22.12	25.42	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	22.06	25.36	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.94	27.24	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.98	27.28	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.78	27.08	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.08	26.38	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	23.11	26.41	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.91	26.21	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.03	26.33	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.03	27.33	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.08	27.38	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.82	27.12	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.91	26.21	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	23.02	26.32	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	23.00	26.30	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.98	26.28	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.79	27.09	33.00	PASS





Band2	20MHz	QPSK	19100	1RB#49	24.00	27.30	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.93	27.23	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.23	26.53	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	23.06	26.36	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	23.20	26.50	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.20	26.50	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.38	26.68	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.26	26.56	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.14	26.44	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.16	25.46	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.07	25.37	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.05	25.35	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.01	25.31	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.04	26.34	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.09	26.39	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.75	26.05	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.90	25.20	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.01	25.31	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	22.11	25.41	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.90	25.20	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.14	26.44	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.20	26.50	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.26	26.56	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.25	25.55	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.18	25.48	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	22.25	25.55	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.20	25.50	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 [dBi]

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



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

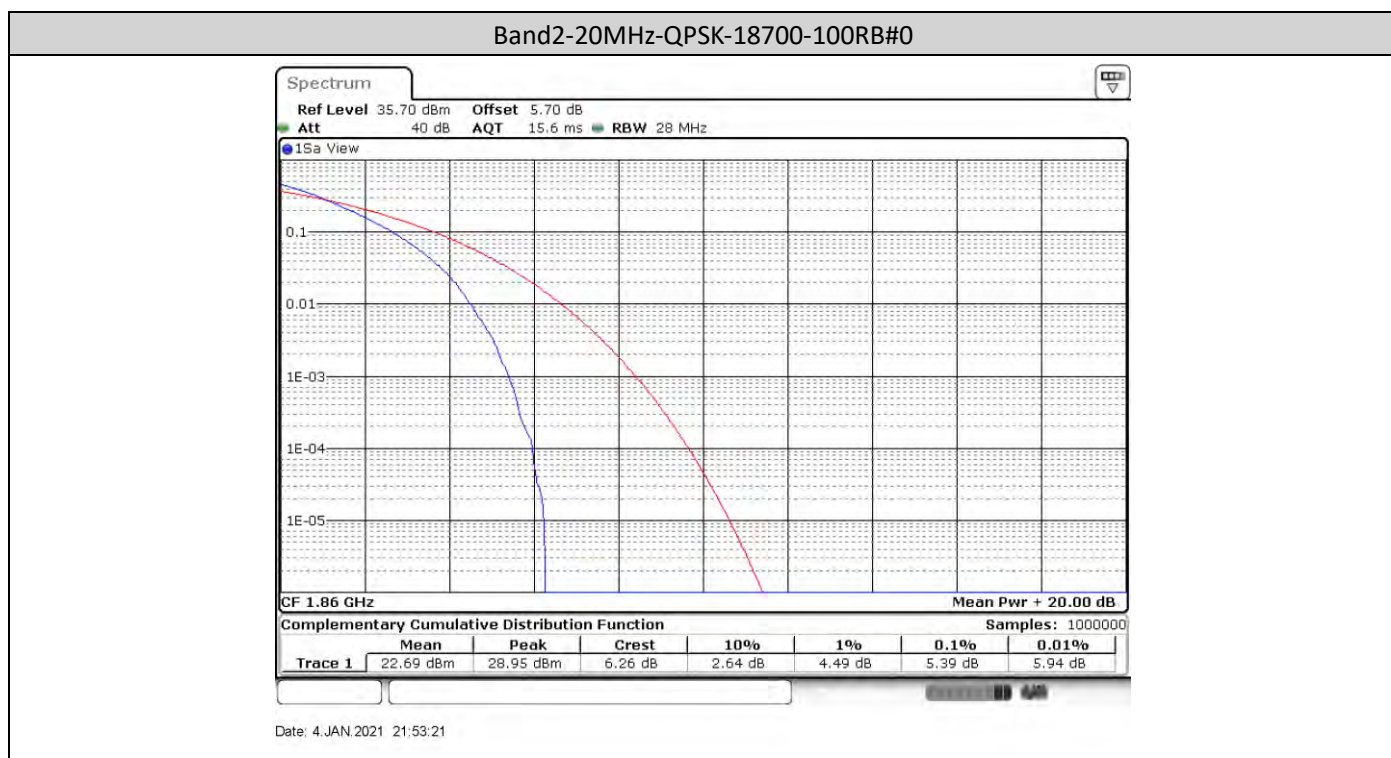


2. Peak-to-Average Ratio (CCDF)

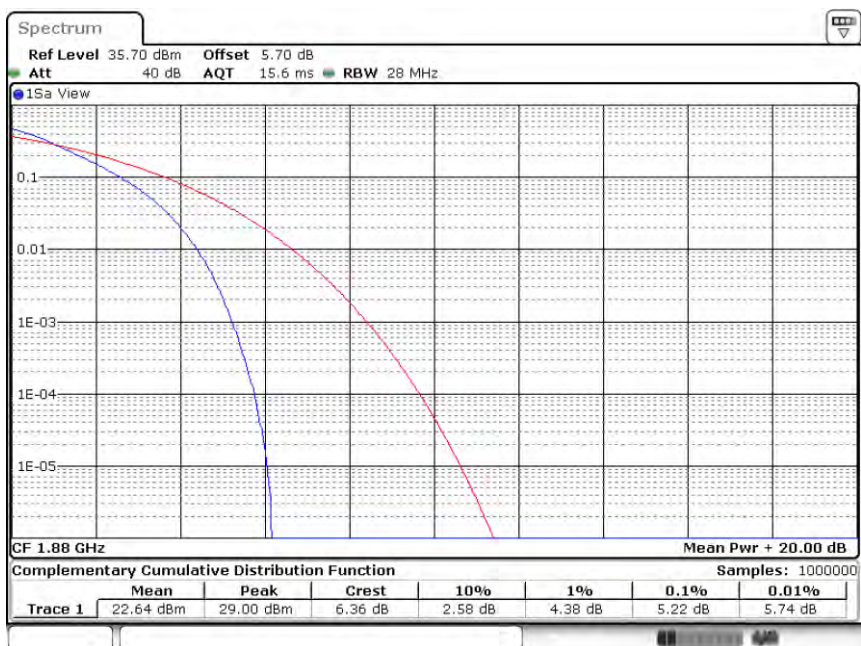
2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.39	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.22	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.59	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.29	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.14	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.43	13	PASS

2.2. Test Plots

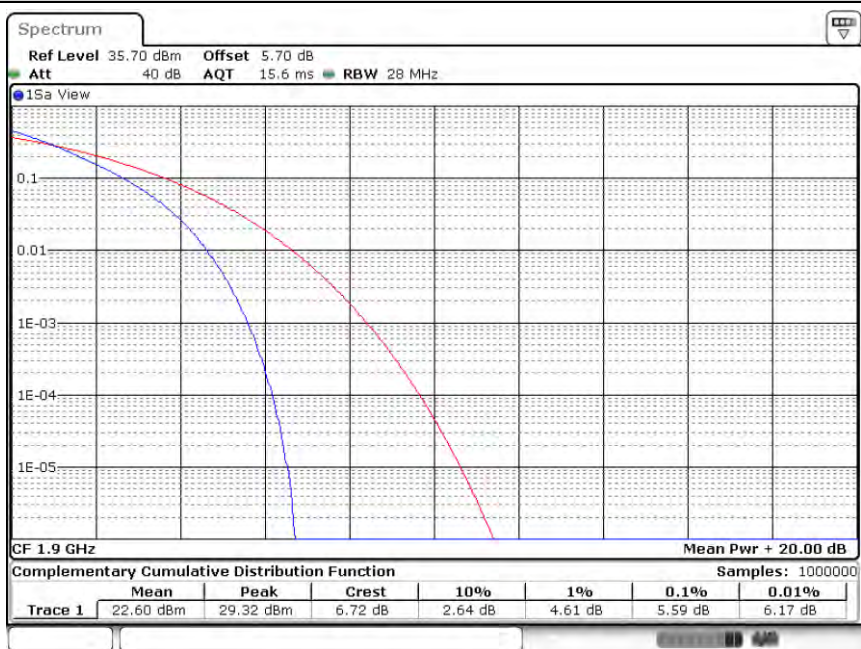


Band2-20MHz-QPSK-18900-100RB#0



Date: 4.JAN.2021 21:53:44

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



Date: 4.JAN.2021 21:54:07

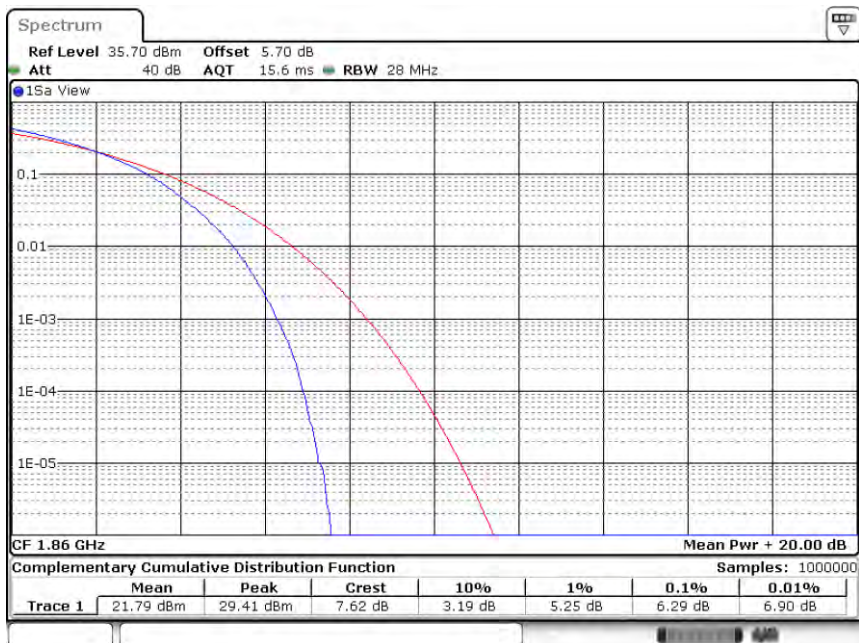


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

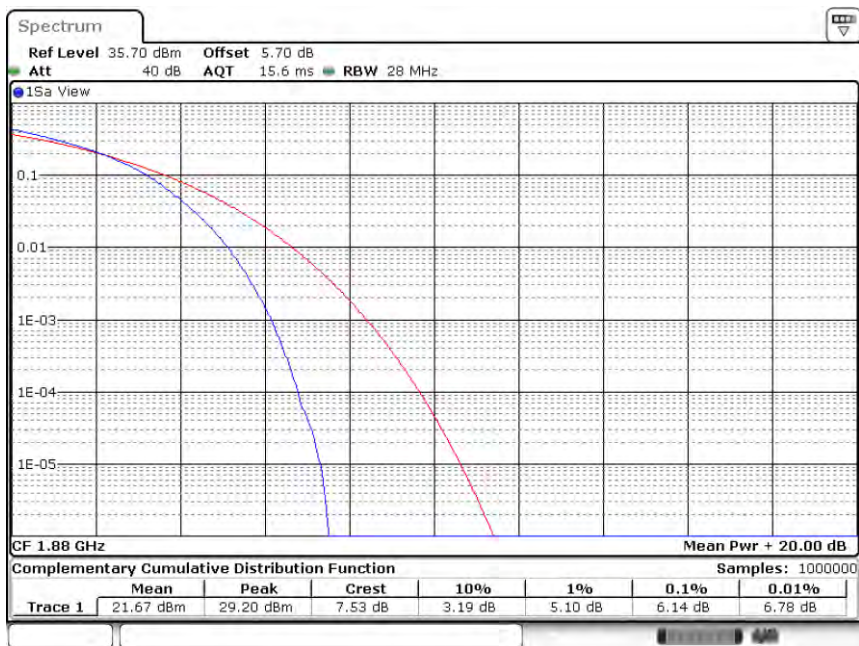


Band2-20MHz-16QAM-18700-100RB#0



Date: 4.JAN.2021 21:53:32

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

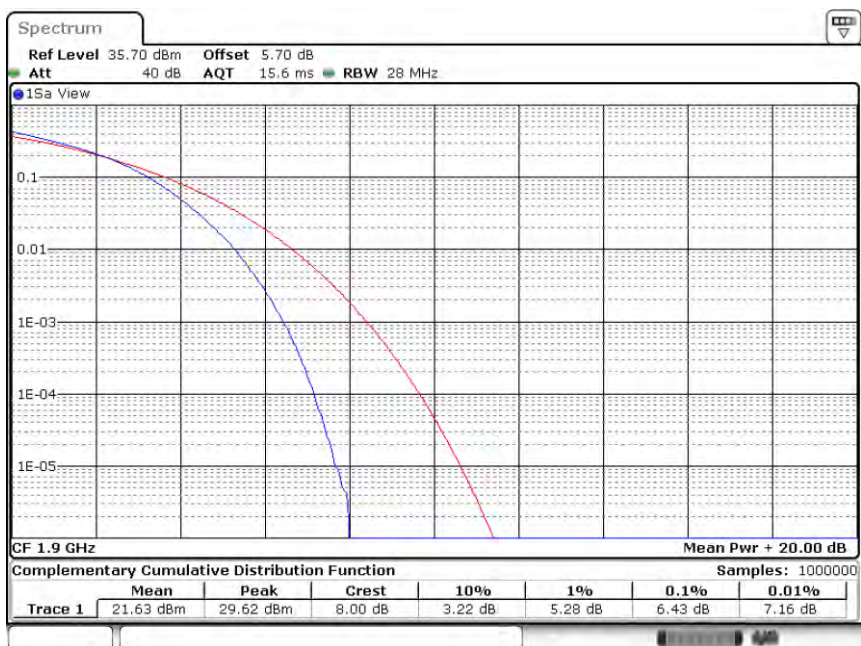


Date: 4.JAN.2021 21:53:55





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



Date: 4 JAN 2021 21:54:18

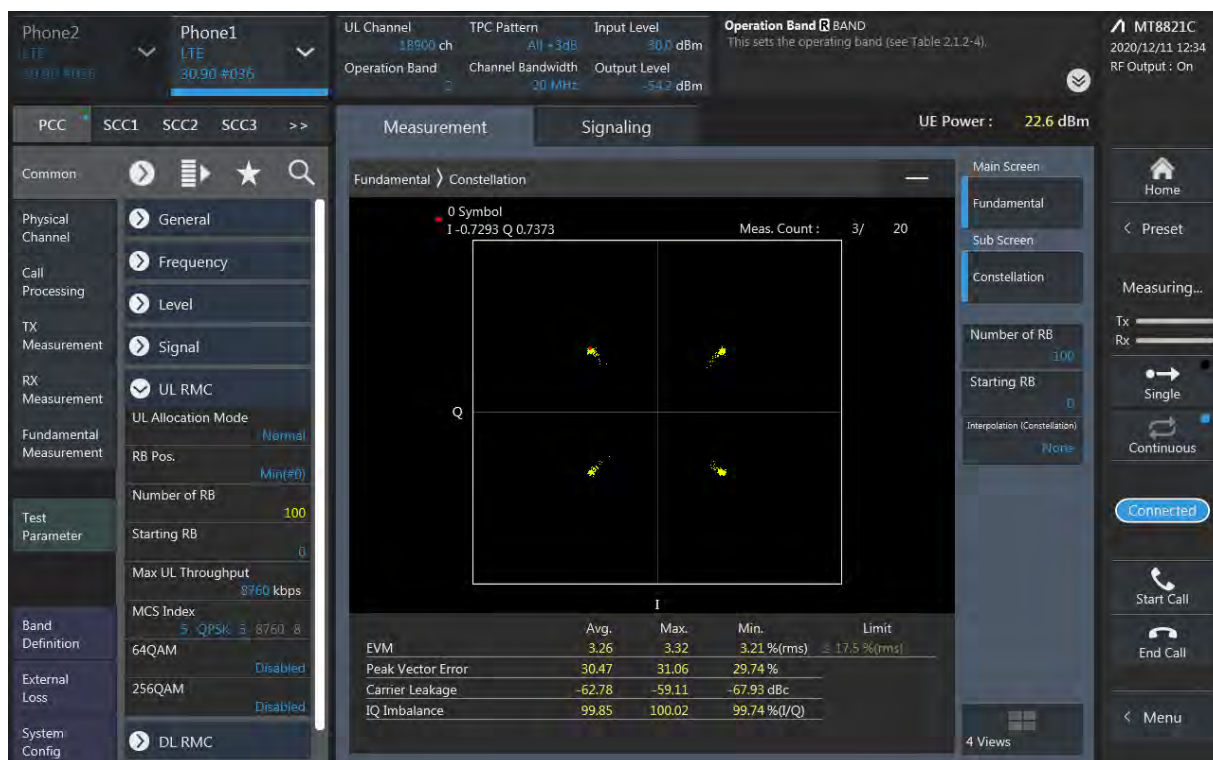




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

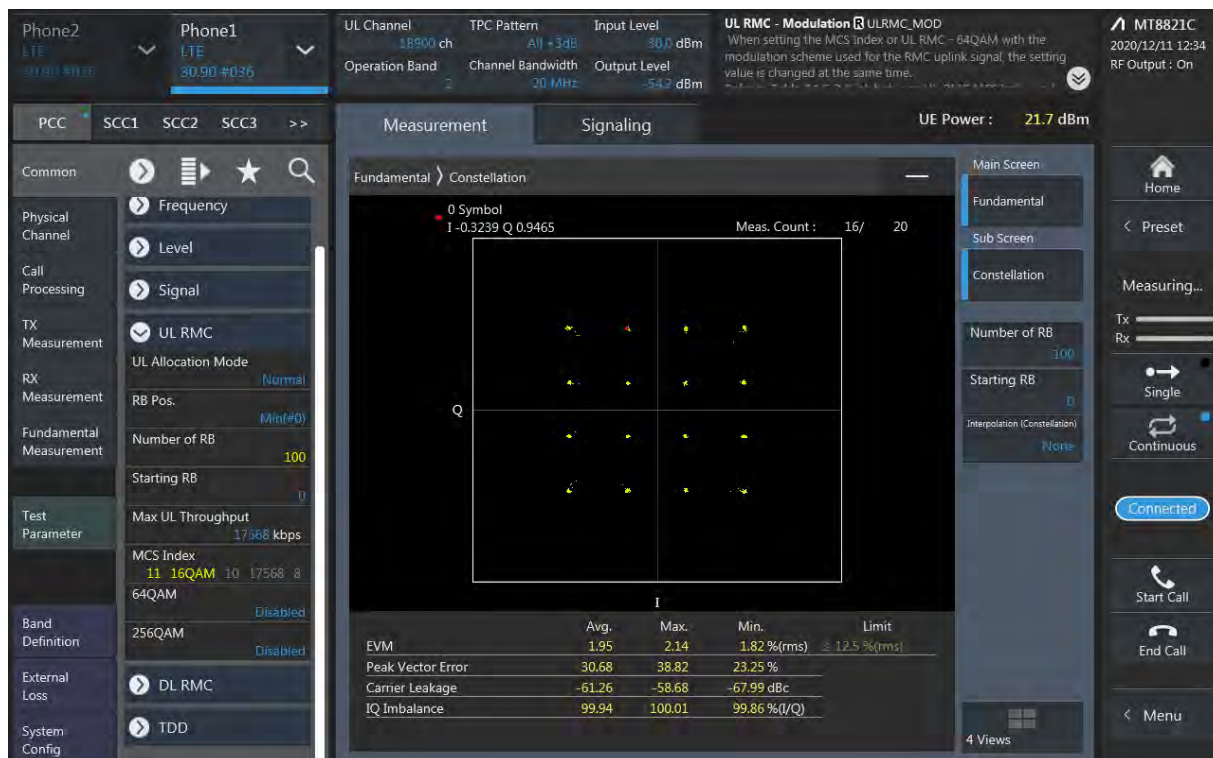
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.091	1.278	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.281	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.299	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.094	1.296	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.685	2.922	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.910	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.904	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.904	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.892	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.679	2.910	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.840	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.840	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.820	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.870	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.870	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.860	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.600	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.620	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.931	9.600	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.600	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.911	9.600	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.580	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.580	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.427	14.610	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.640	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.397	14.640	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.640	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.580	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.862	19.240	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.822	19.200	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.

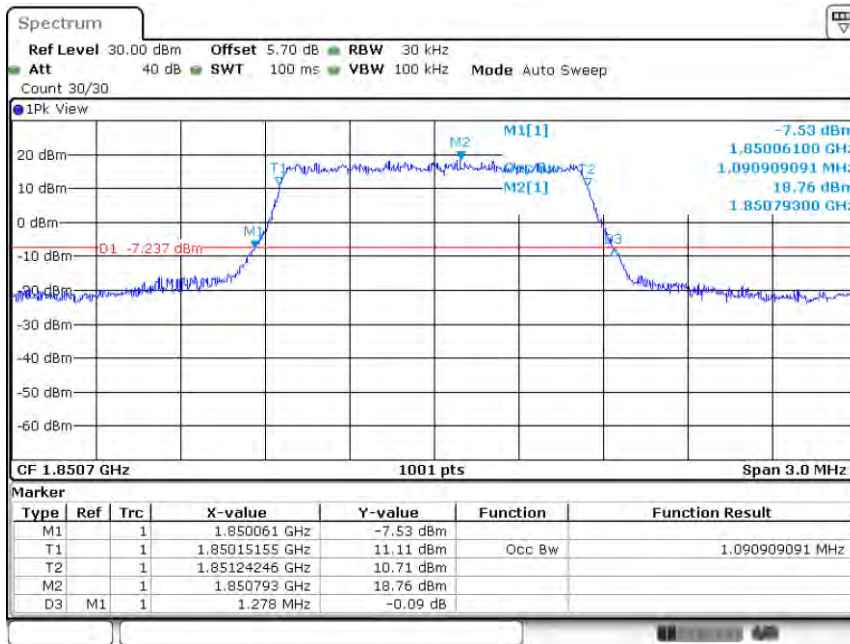
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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	17.902	19.360	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.822	19.200	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.160	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.280	PASS

4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.091



Date: 4.JAN.2021 21:14:52



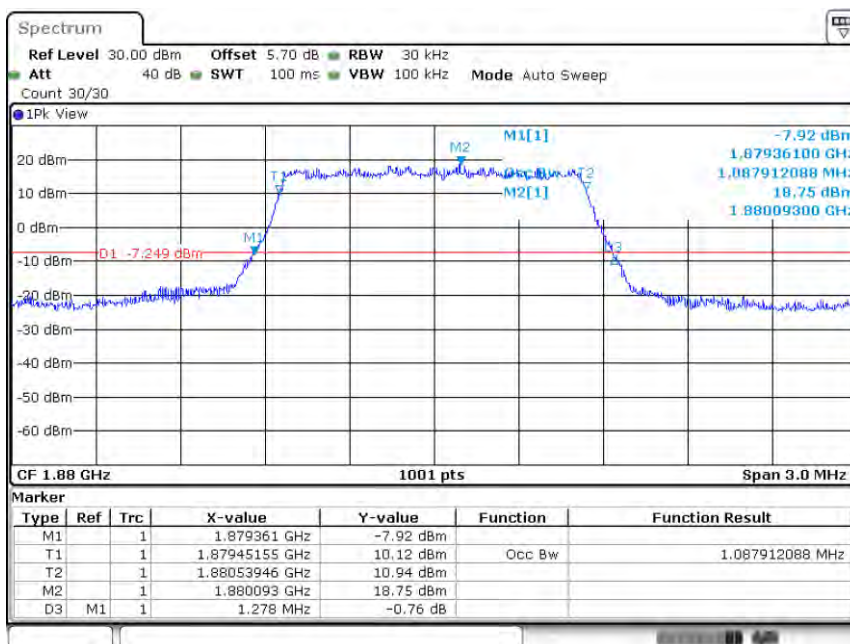
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

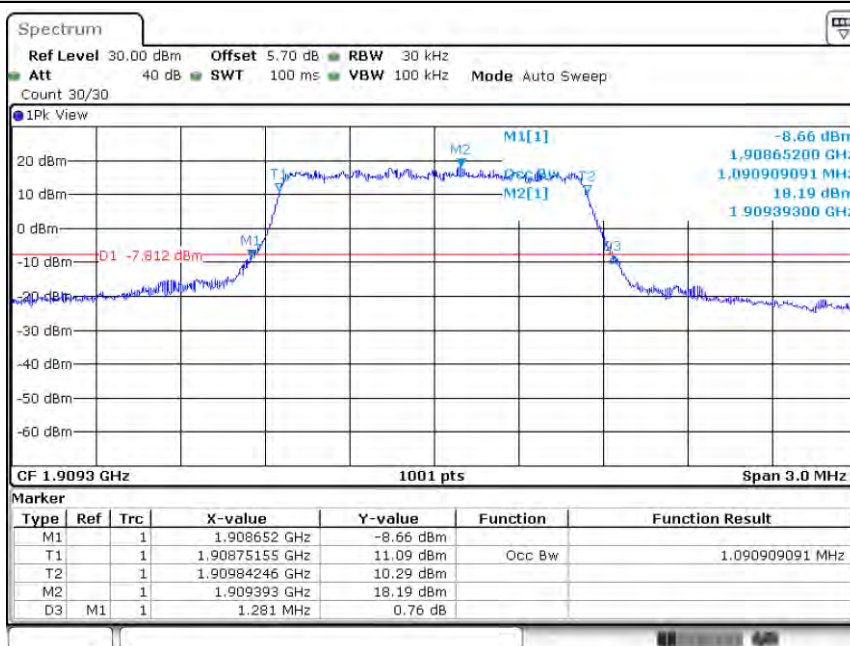


Band2-1.4MHz-QPSK-18900-6RB#0-1.088



Date: 4.JAN.2021 21:15:18

Band2-1.4MHz-QPSK-19193-6RB#0-1.091



Date: 4.JAN.2021 21:15:44

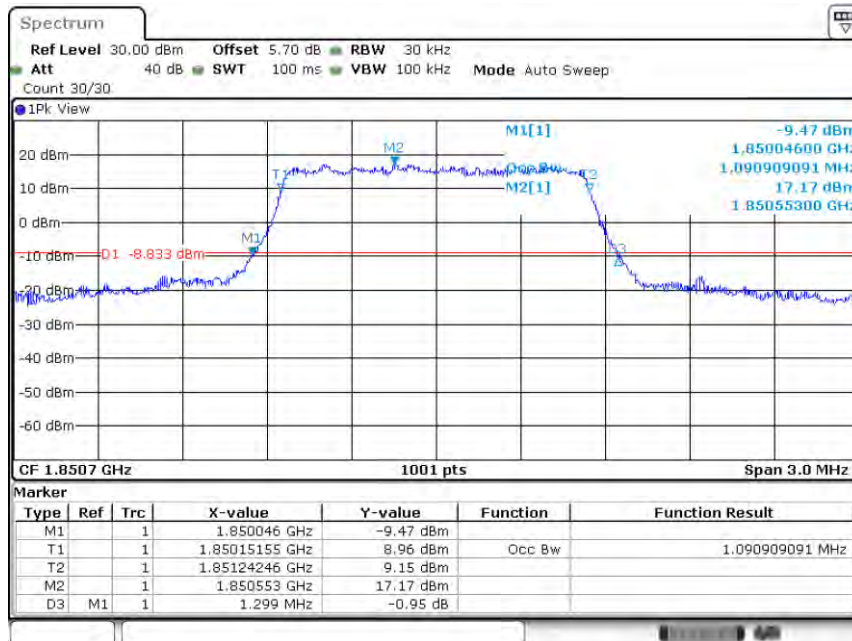


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

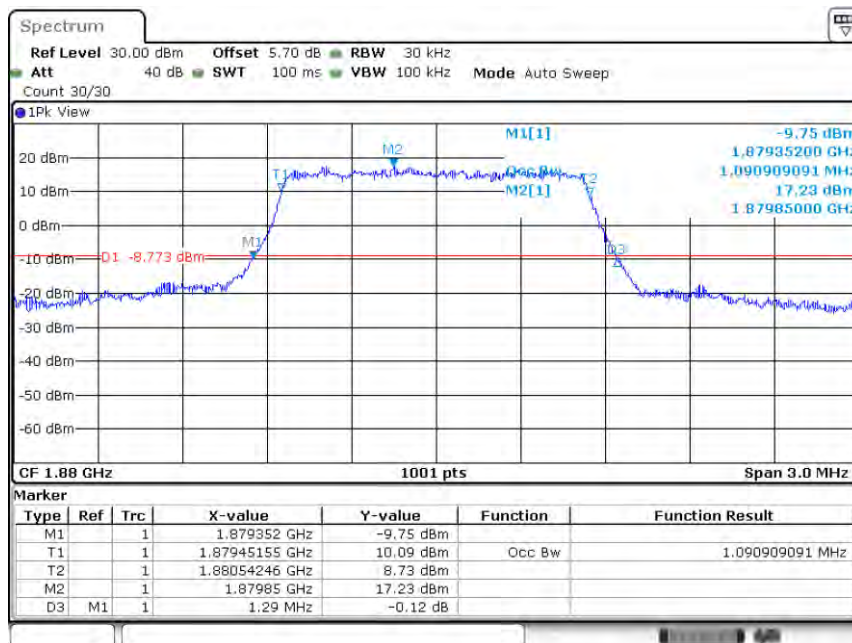


Band2-1.4MHz-16QAM-18607-6RB#0-1.091



Date: 4.JAN.2021 21:15:05

Band2-1.4MHz-16QAM-18900-6RB#0-1.091

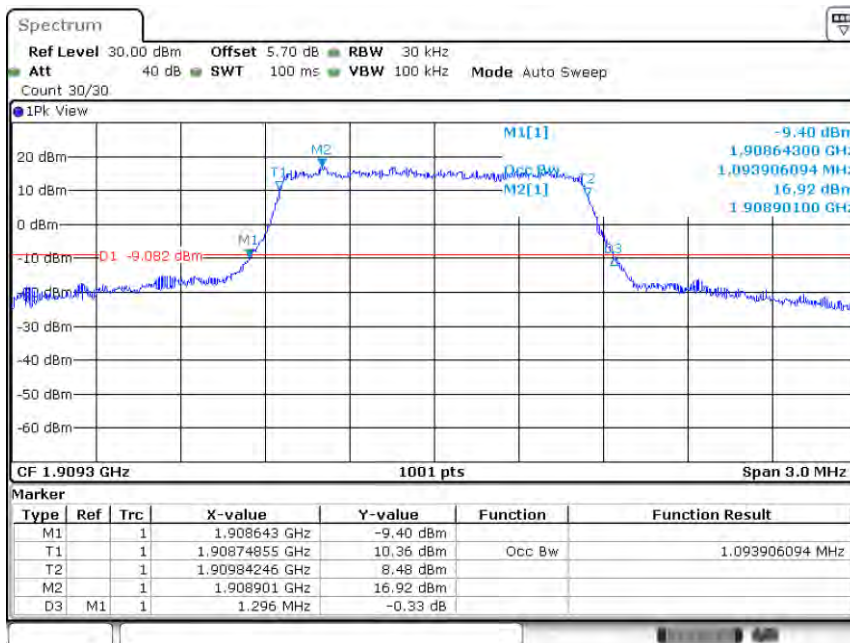


Date: 4.JAN.2021 21:15:31



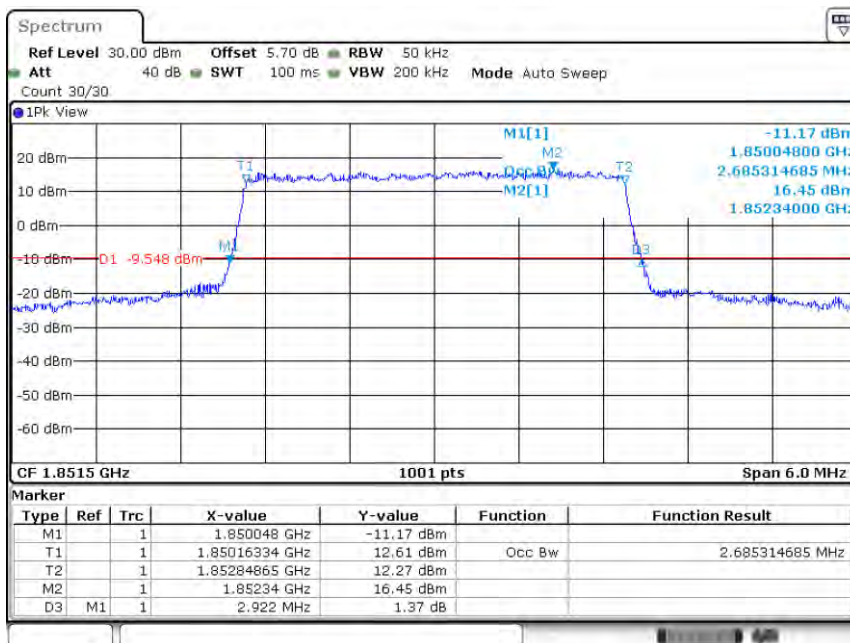


Band2-1.4MHz-16QAM-19193-6RB#0-1.094



Date: 4.JAN.2021 21:15:56

Band2-3MHz-QPSK-18615-15RB#0-2.685



Date: 4.JAN.2021 21:16:14



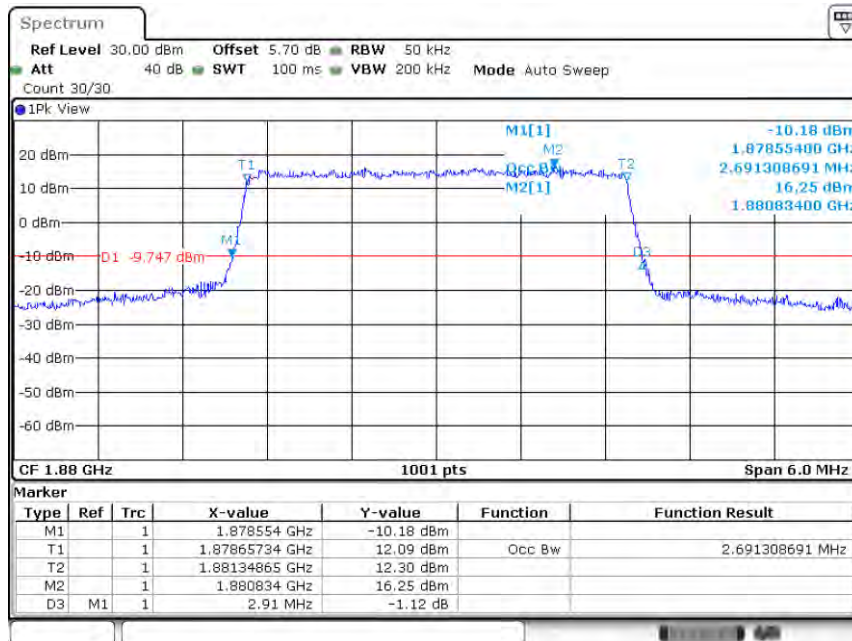
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

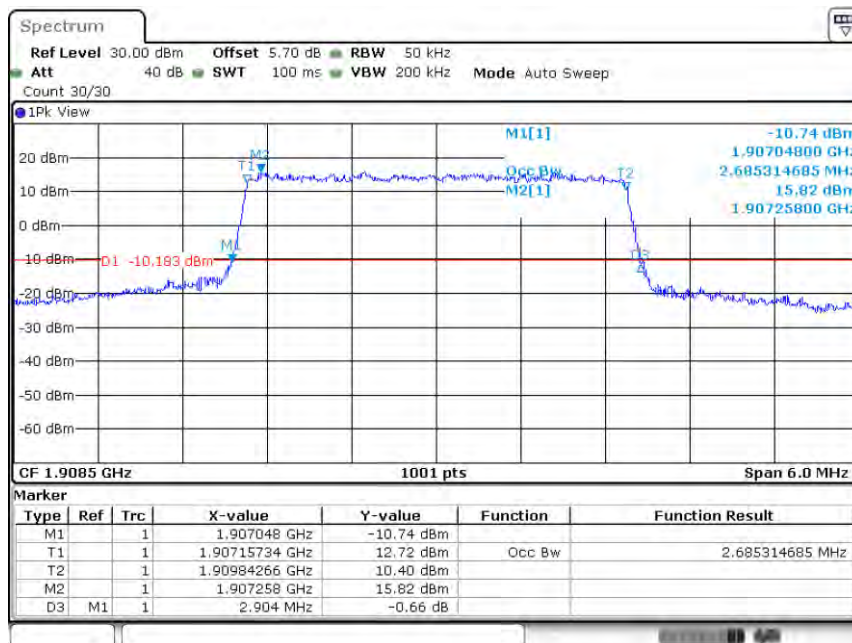


Band2-3MHz-QPSK-18900-15RB#0-2.691



Date: 4.JAN.2021 21:16:39

Band2-3MHz-QPSK-19185-15RB#0-2.685



Date: 4.JAN.2021 21:17:05

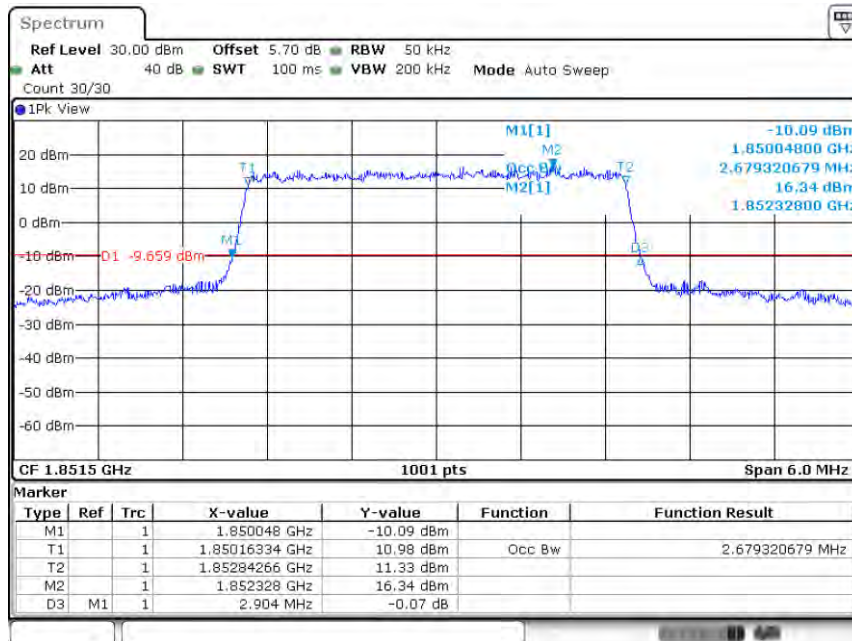


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

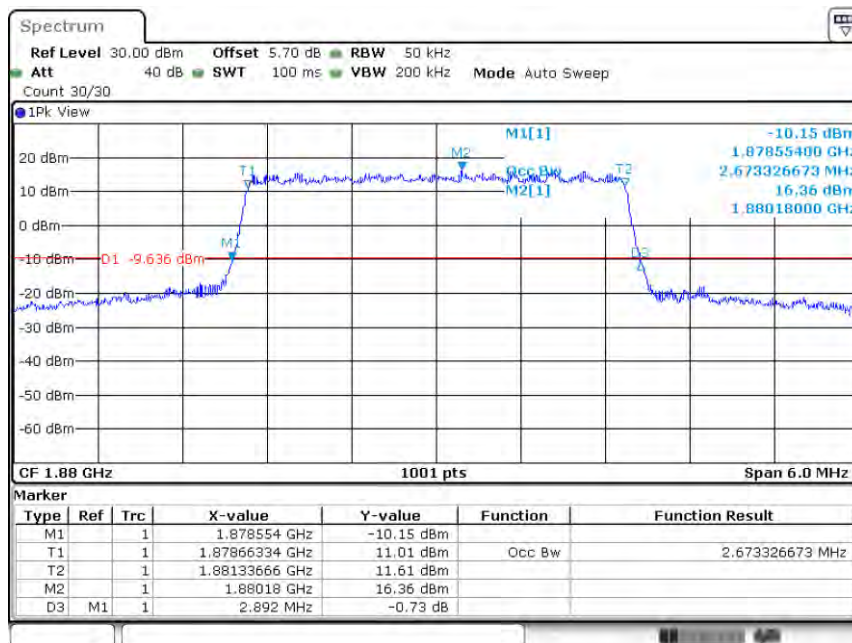


Band2-3MHz-16QAM-18615-15RB#0-2.679



Date: 4.JAN.2021 21:16:26

Band2-3MHz-16QAM-18900-15RB#0-2.673



Date: 4.JAN.2021 21:16:52

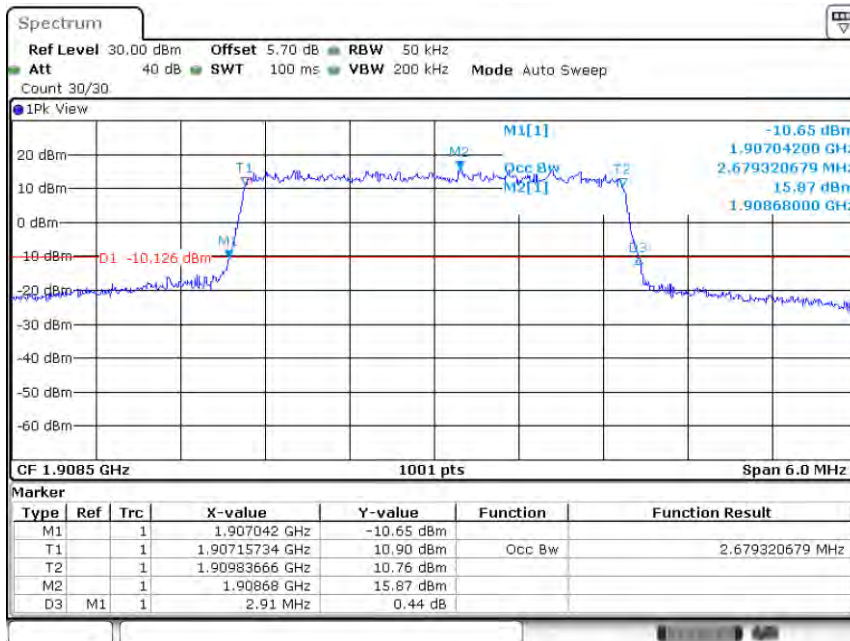


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

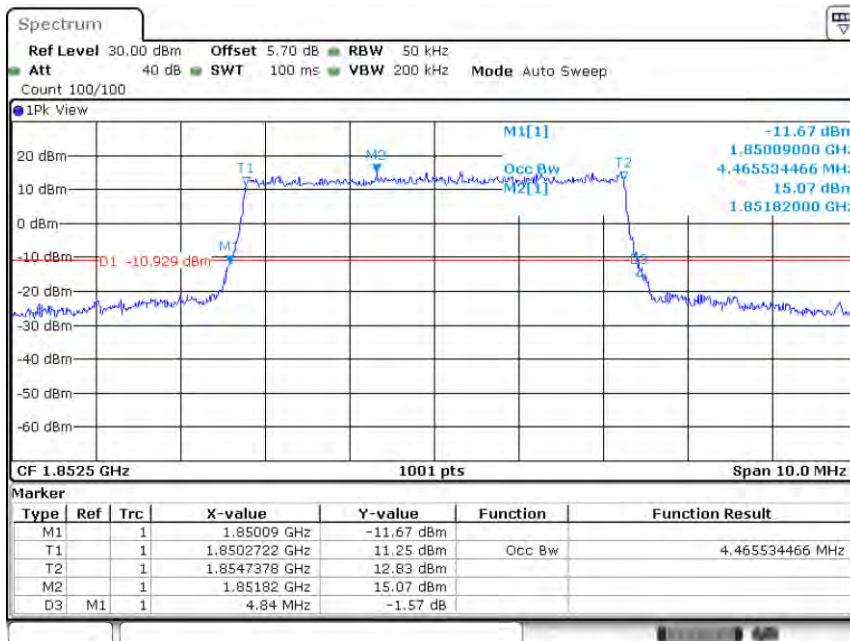


Band2-3MHz-16QAM-19185-15RB#0-2.679



Date: 4.JAN.2021 21:17:18

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



Date: 4.JAN.2021 21:17:42

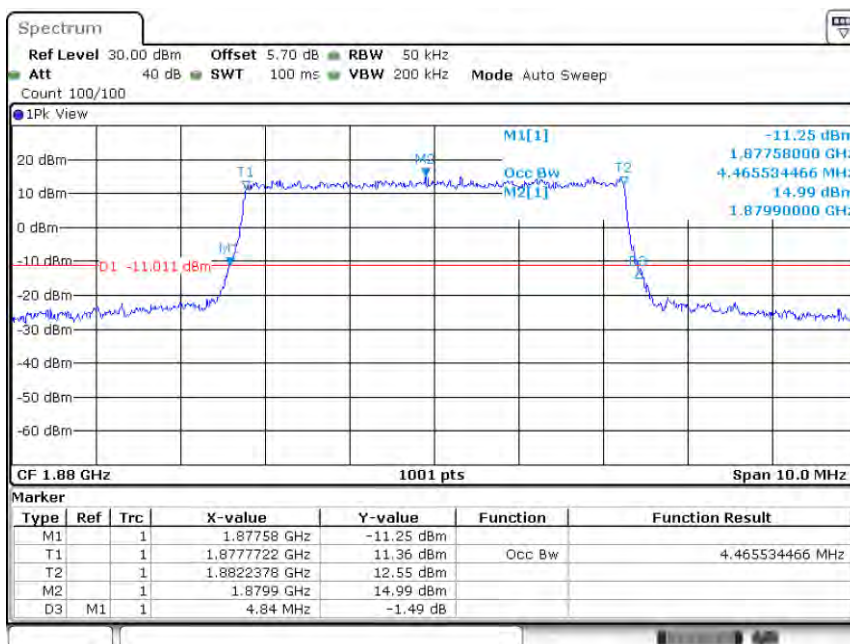


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

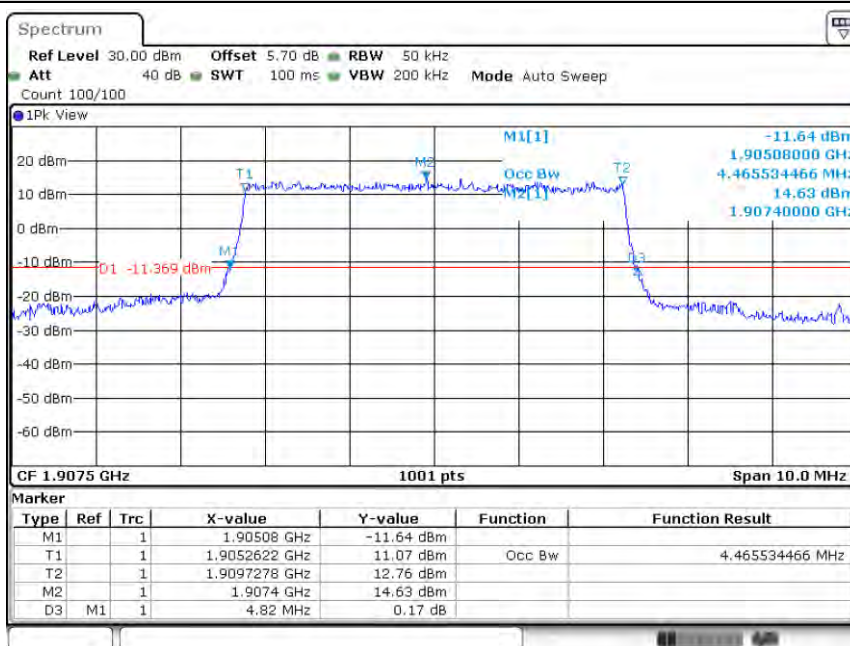


Band2-5MHz-QPSK-18900-25RB#0-4.466



Date: 4.JAN.2021 21:18:22

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



Date: 4.JAN.2021 21:19:01

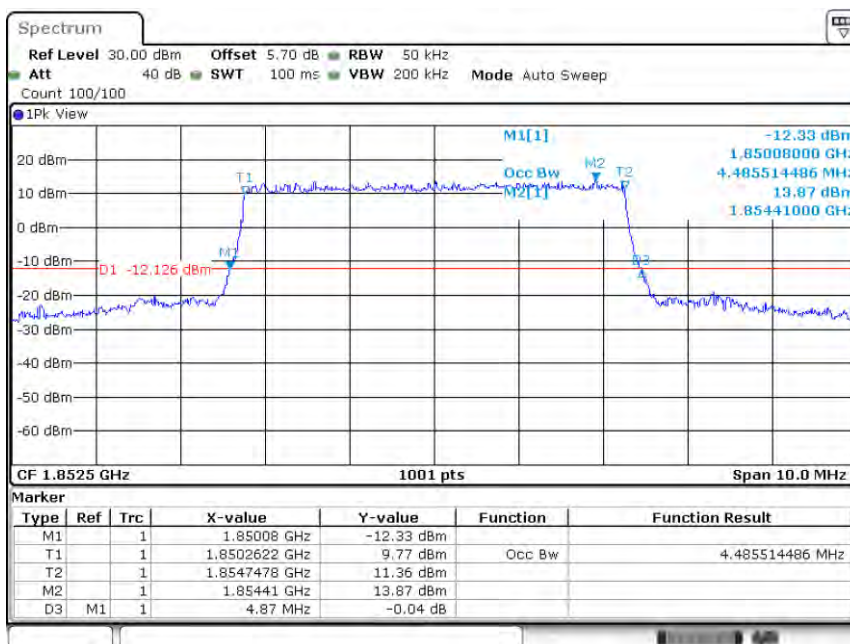


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

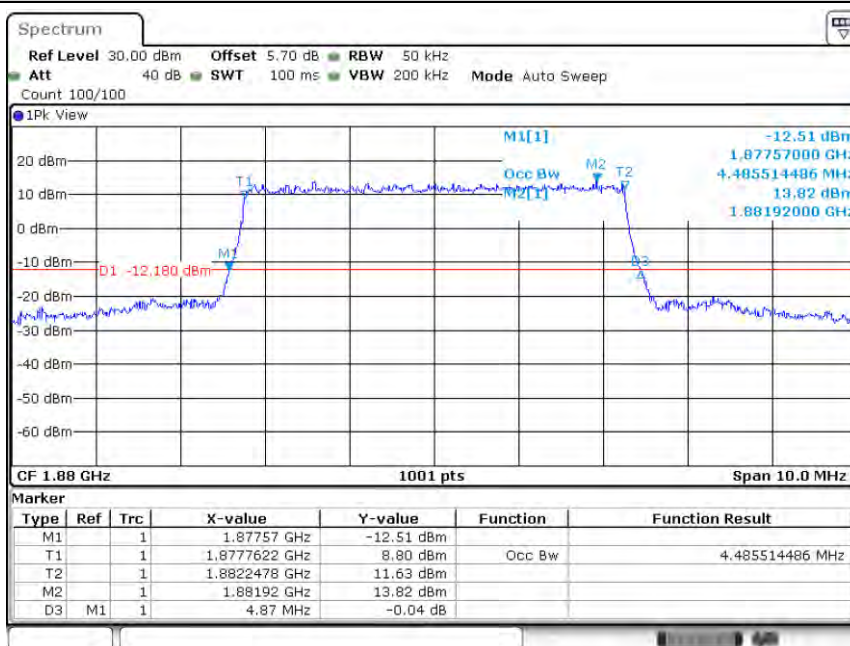


Band2-5MHz-16QAM-18625-25RB#0-4.486



Date: 4.JAN.2021 21:18:02

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



Date: 4.JAN.2021 21:18:41

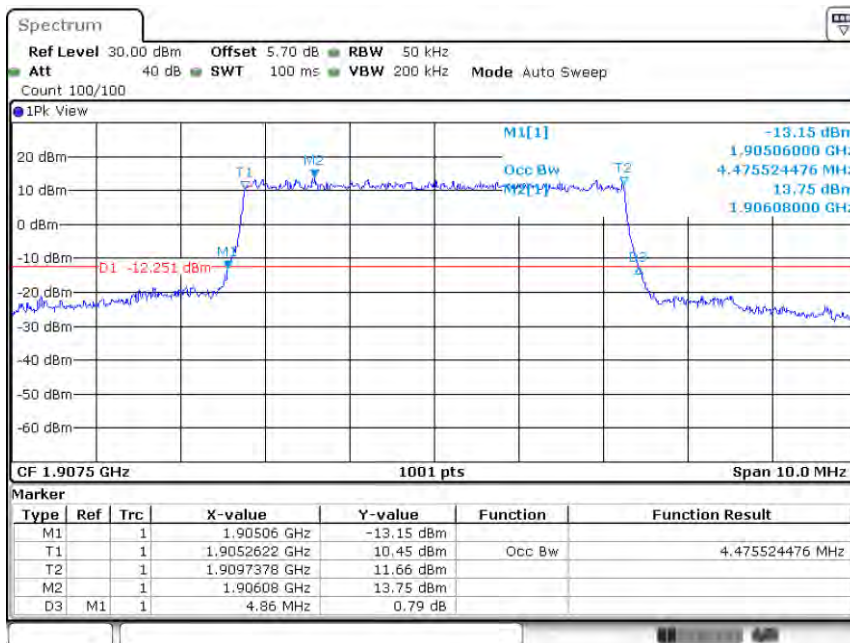


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

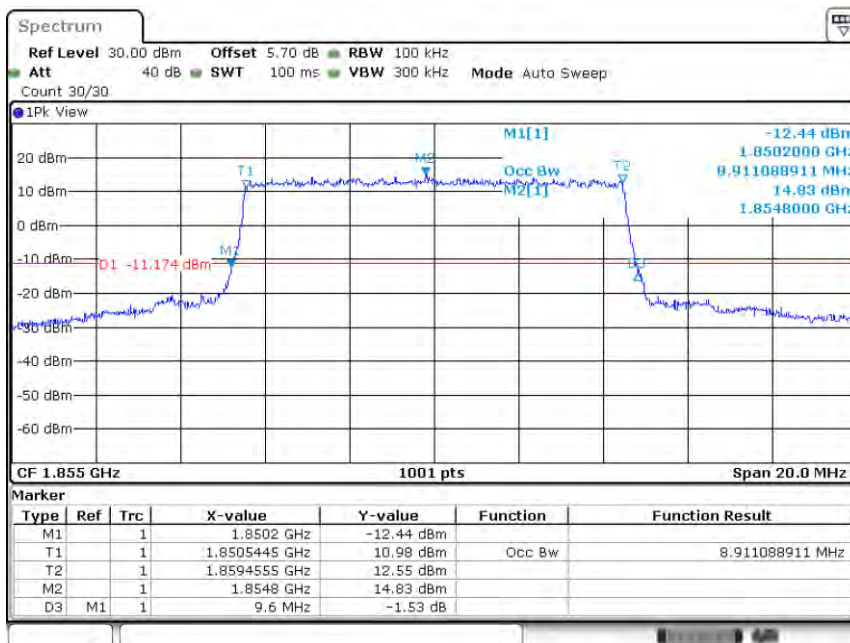


Band2-5MHz-16QAM-19175-25RB#0-4.476



Date: 4.JAN.2021 21:19:21

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



Date: 4.JAN.2021 21:19:38



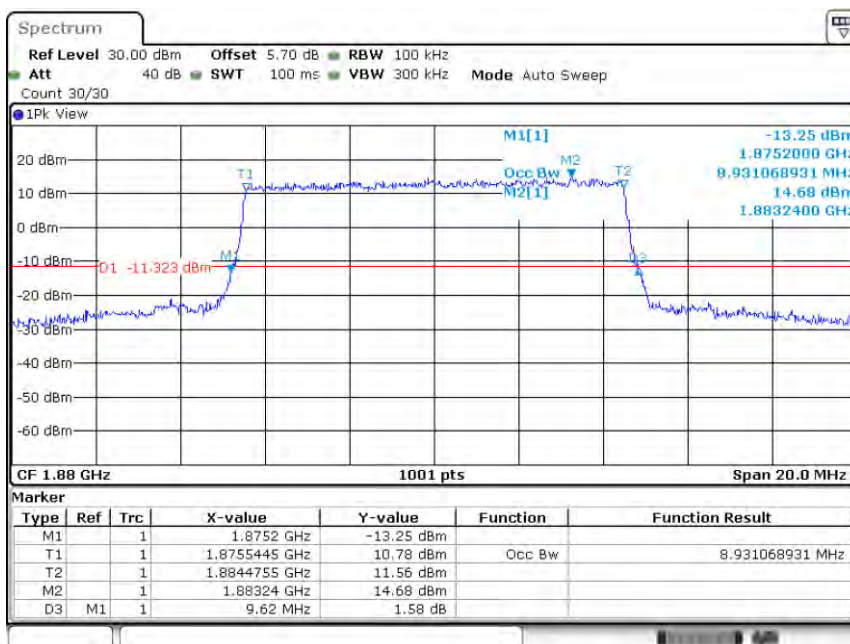
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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

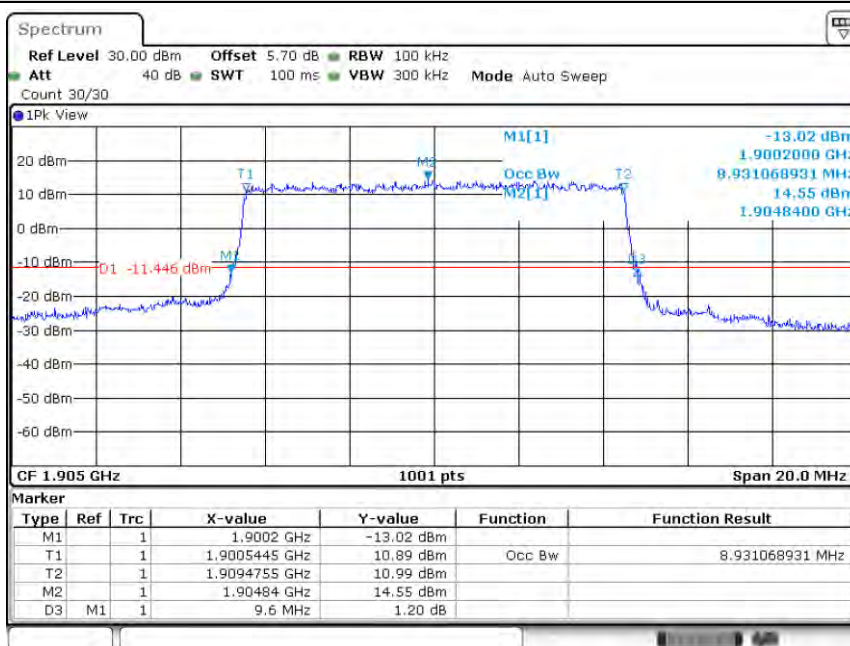


Band2-10MHz-QPSK-18900-50RB#0-8.931



Date: 4.JAN.2021 21:20:04

Band2-10MHz-QPSK-19150-50RB#0-8.931



Date: 4.JAN.2021 21:20:29

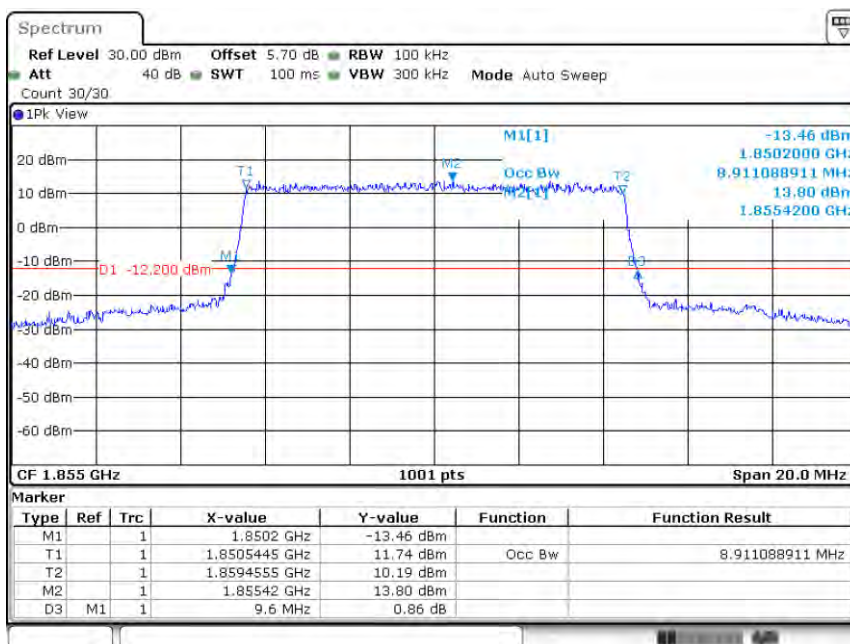


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

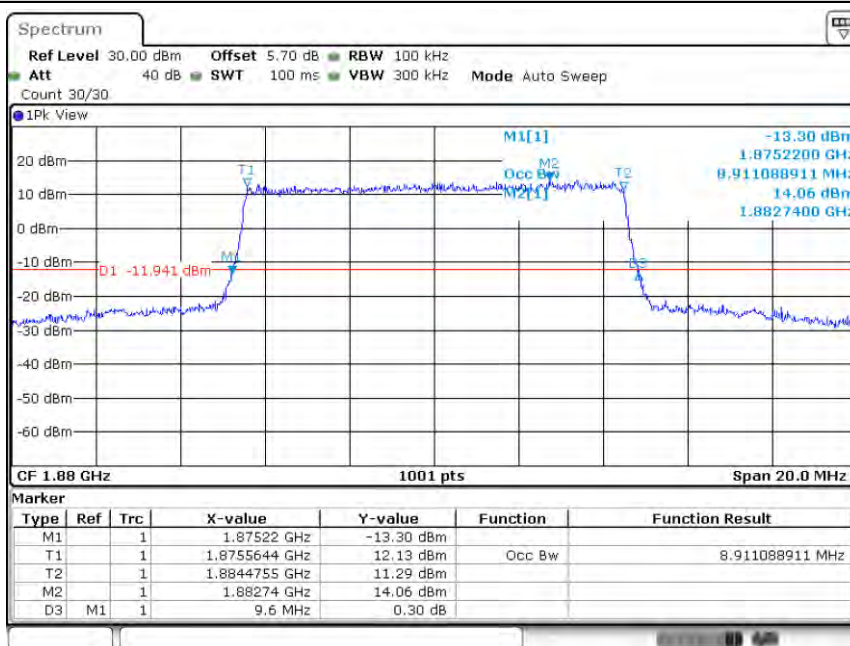


Band2-10MHz-16QAM-18650-50RB#0-8.911



Date: 4.JAN.2021 21:19:51

Band2-10MHz-16QAM-18900-50RB#0-8.911



Date: 4.JAN.2021 21:20:16

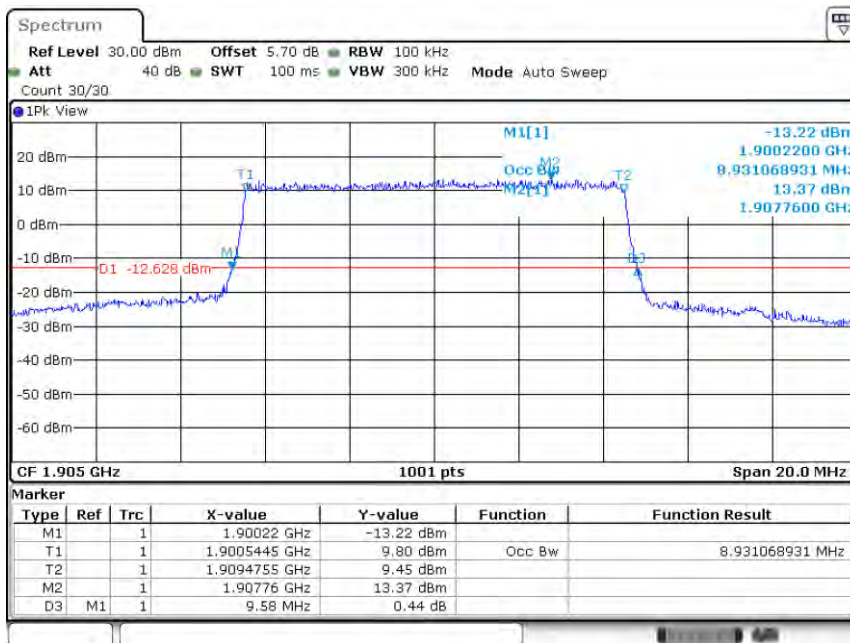


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 and certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

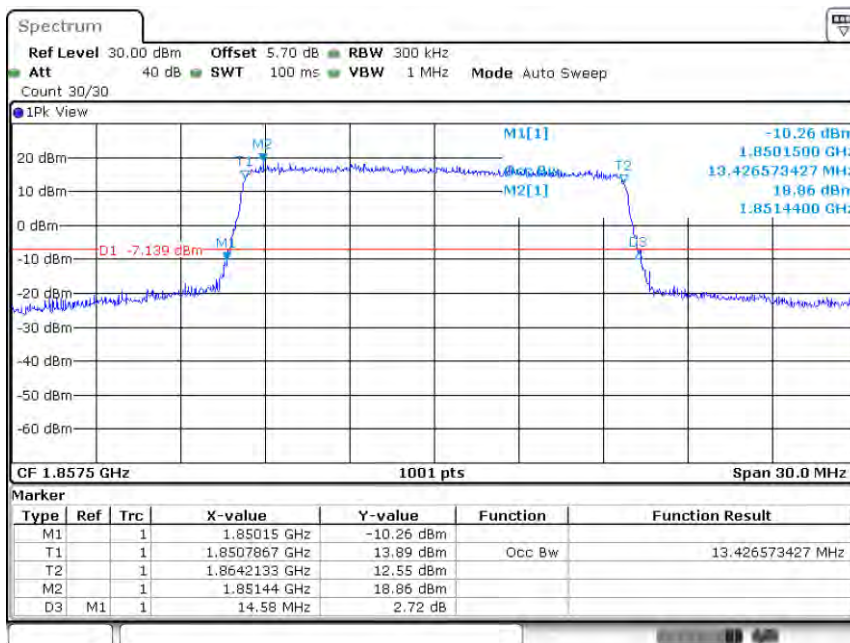


Band2-10MHz-16QAM-19150-50RB#0-8.931



Date: 4.JAN.2021 21:20:42

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



Date: 4.JAN.2021 21:20:59

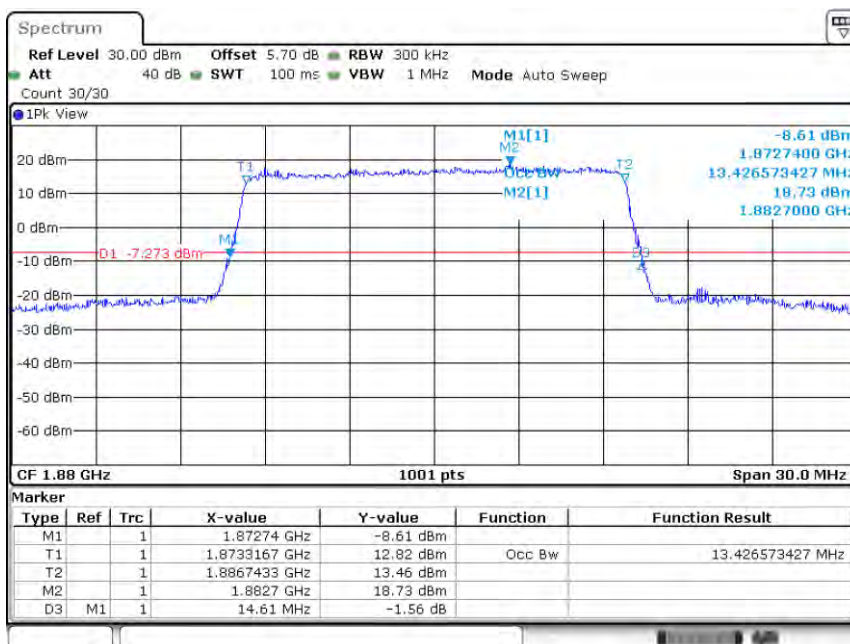


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

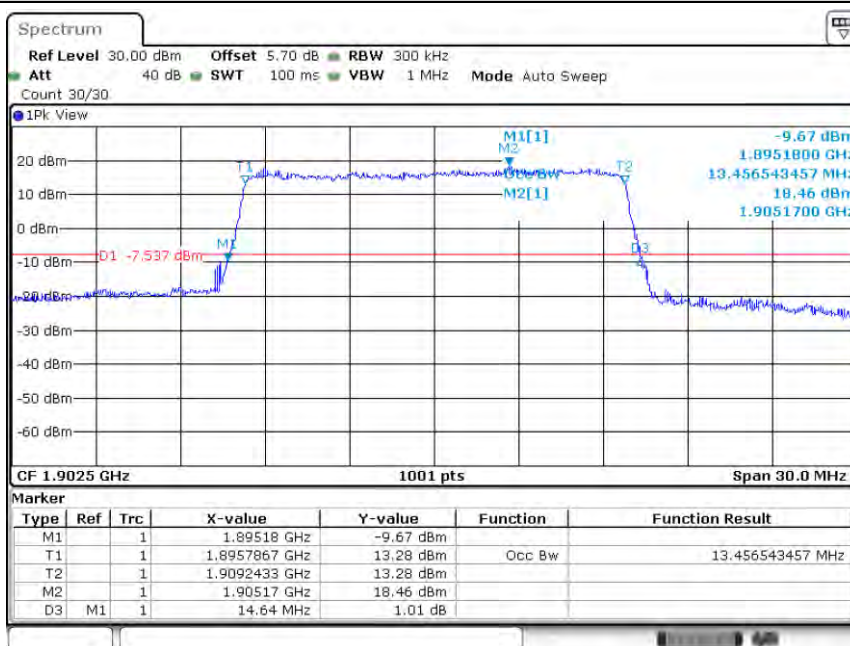


Band2-15MHz-QPSK-18900-75RB#0-13.427



Date: 4.JAN.2021 21:21:25

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



Date: 4.JAN.2021 21:21:50

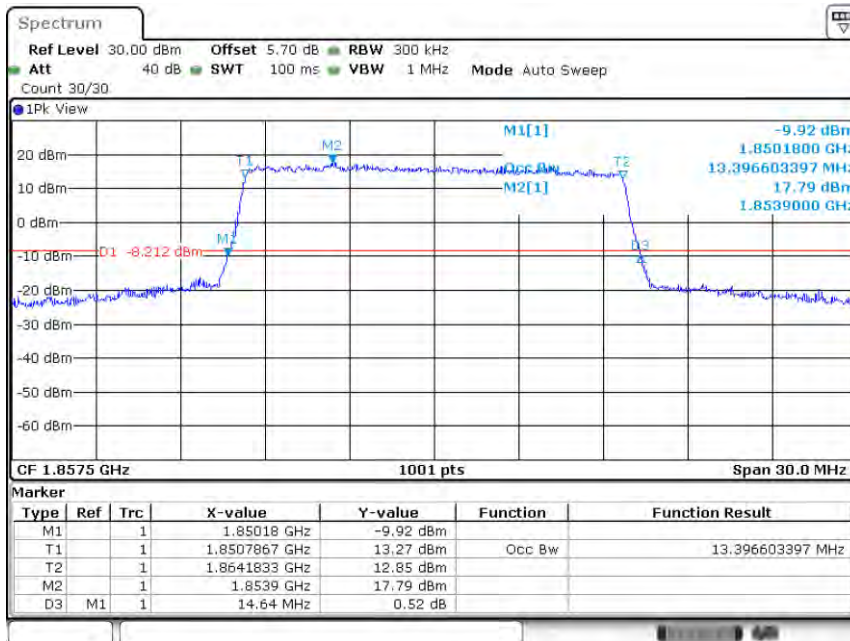


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

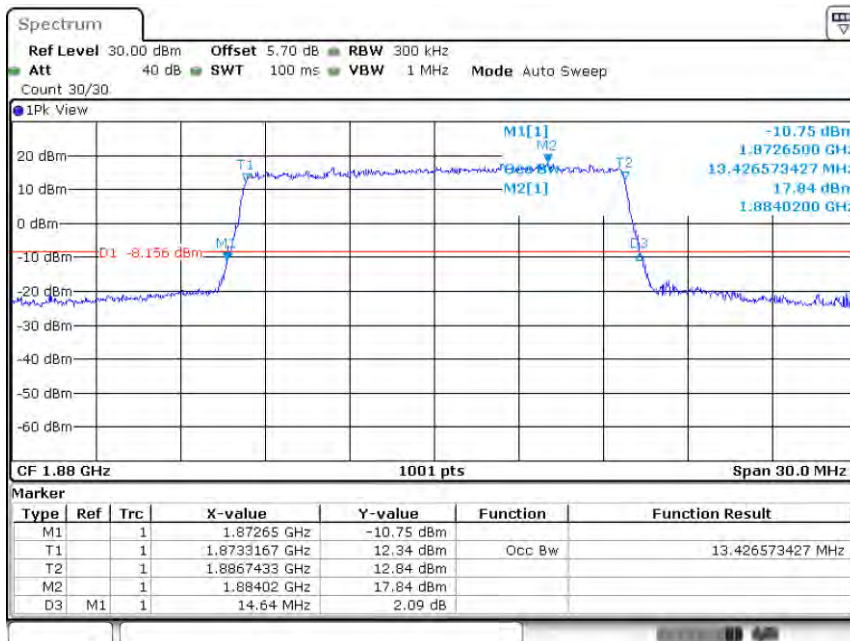


Band2-15MHz-16QAM-18675-75RB#0-13.397



Date: 4.JAN.2021 21:21:12

Band2-15MHz-16QAM-18900-75RB#0-13.427



Date: 4.JAN.2021 21:21:38

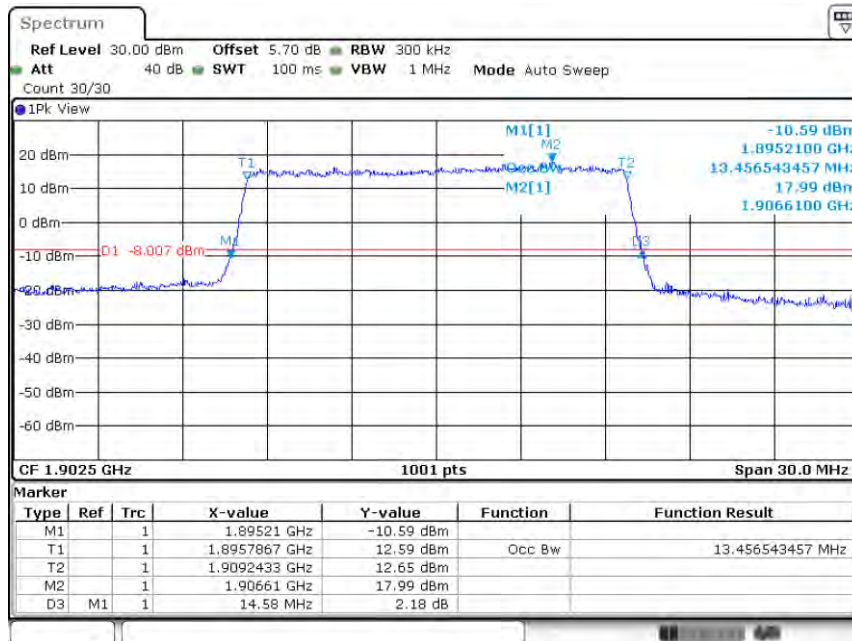


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

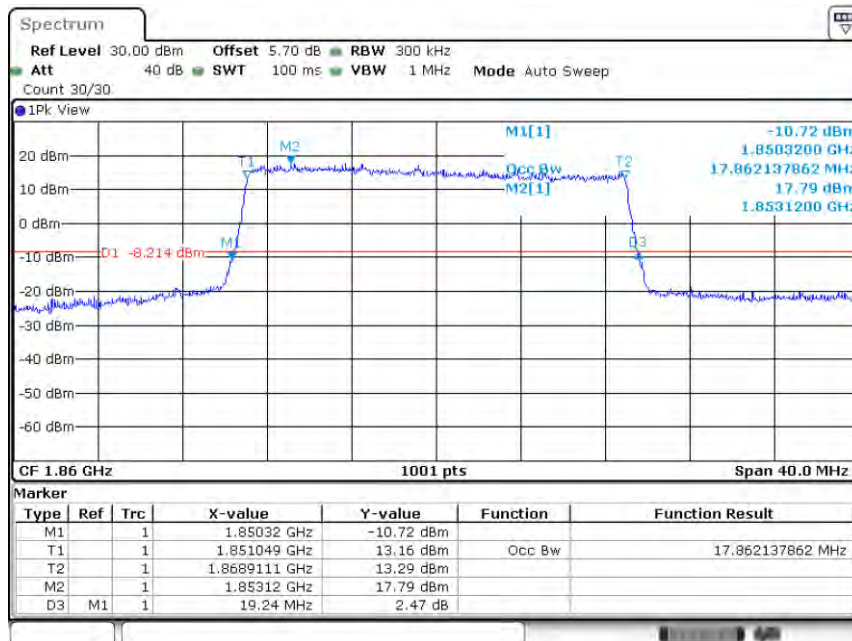


Band2-15MHz-16QAM-19125-75RB#0-13.457



Date: 4.JAN.2021 21:22:03

Band2-20MHz-QPSK-18700-100RB#0-17.862

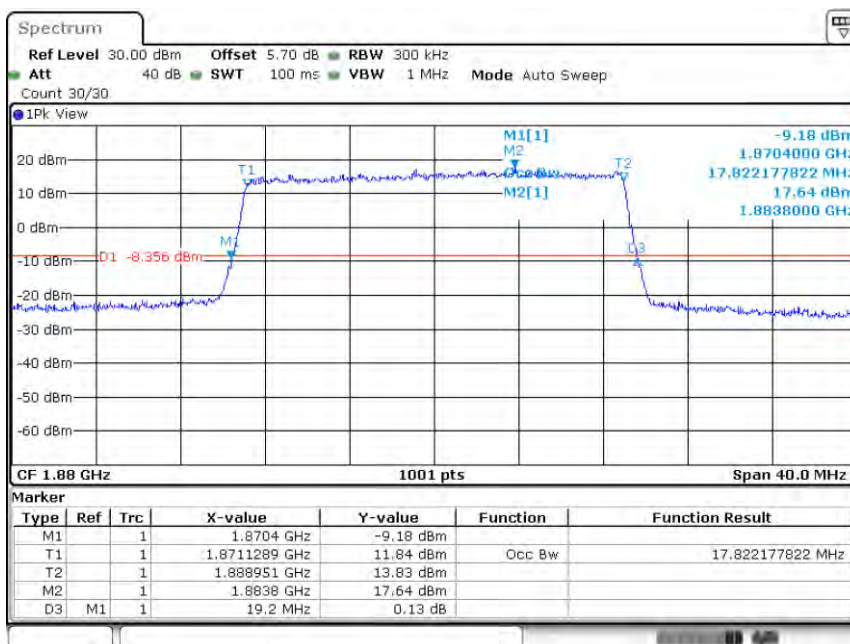


Date: 4.JAN.2021 21:22:20



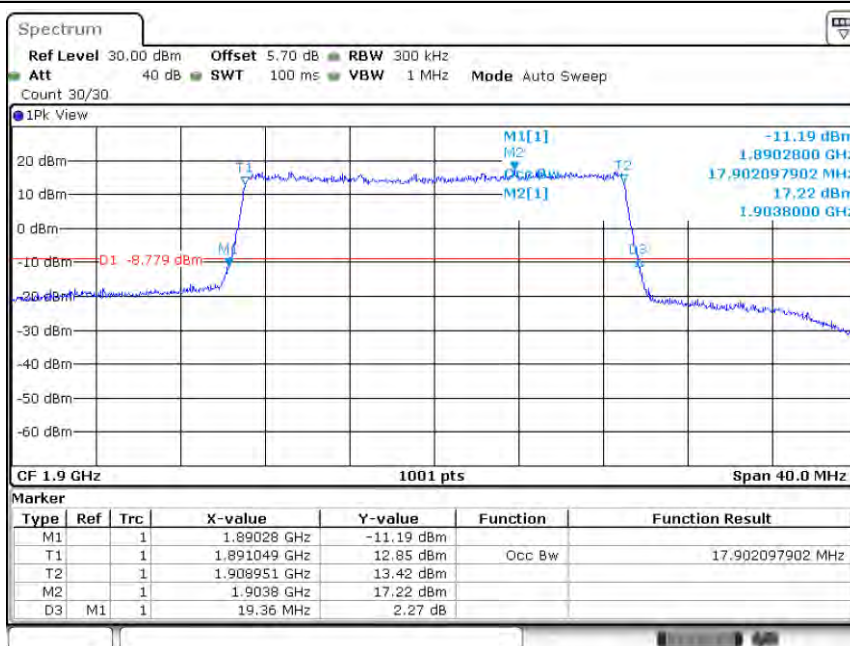


Band2-20MHz-QPSK-18900-100RB#0-17.822



Date: 4.JAN.2021 21:22:46

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



Date: 4.JAN.2021 21:23:12

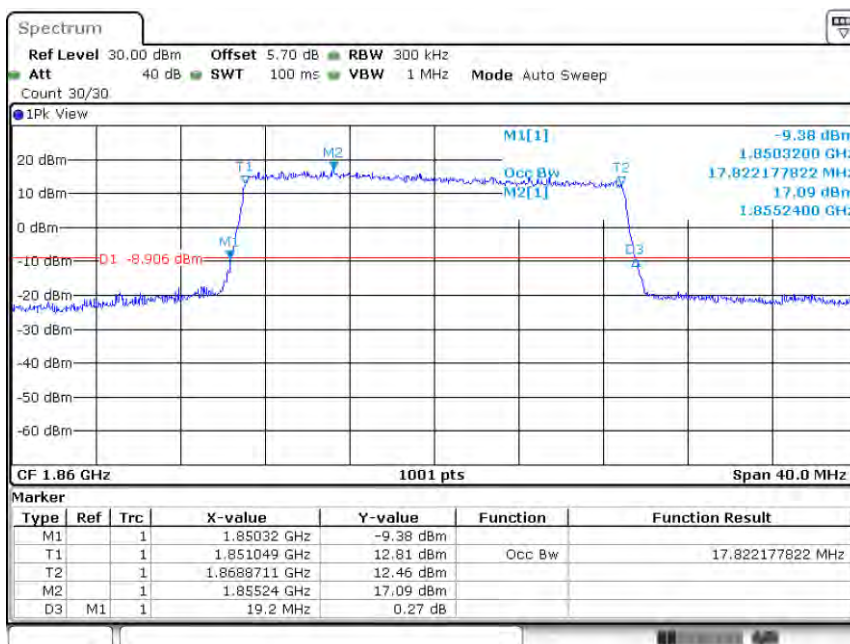


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

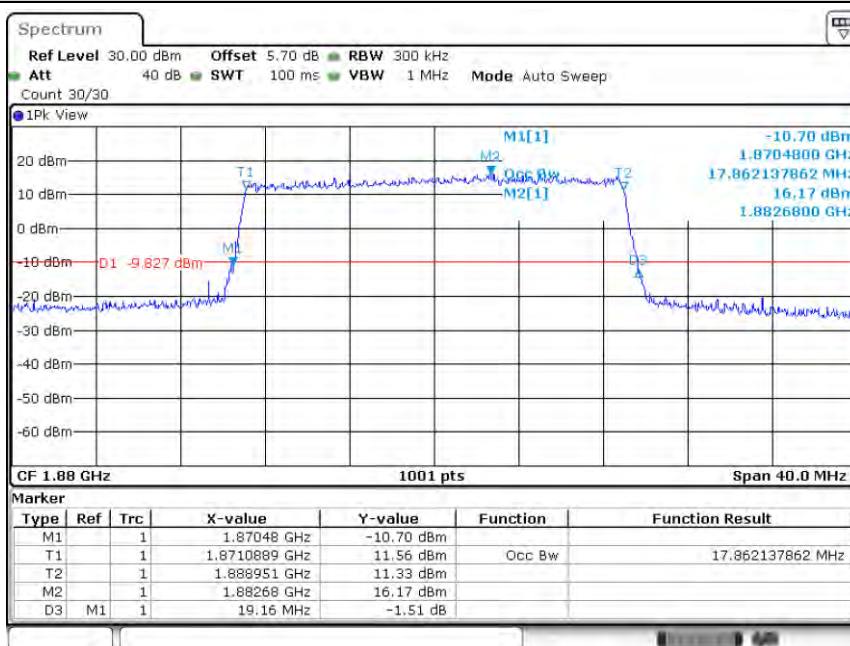
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band2-20MHz-16QAM-18700-100RB#0-17.822



Date: 4.JAN.2021 21:22:33

Band2-20MHz-16QAM-18900-100RB#0-17.862

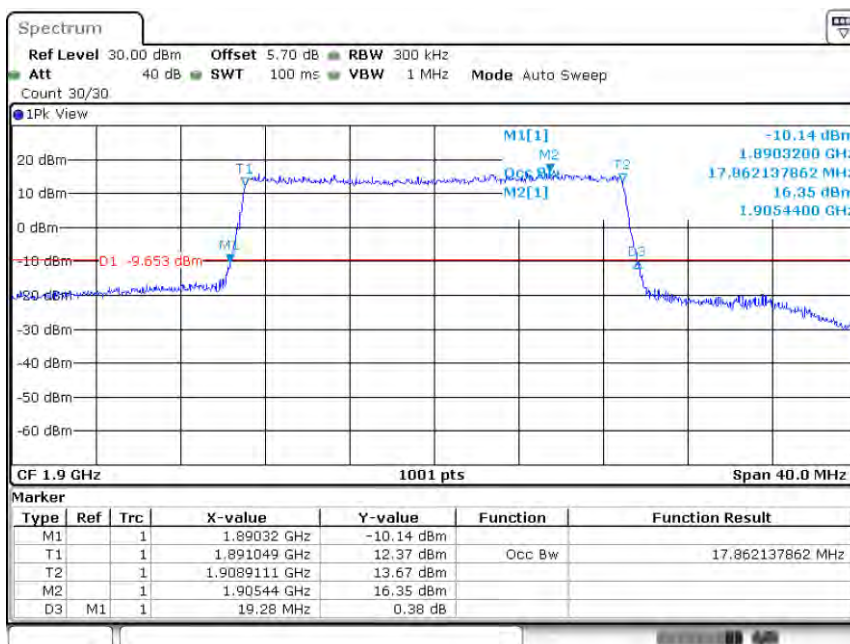


Date: 4.JAN.2021 21:22:59





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



Date: 4 JAN 2021 21:23:24



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

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

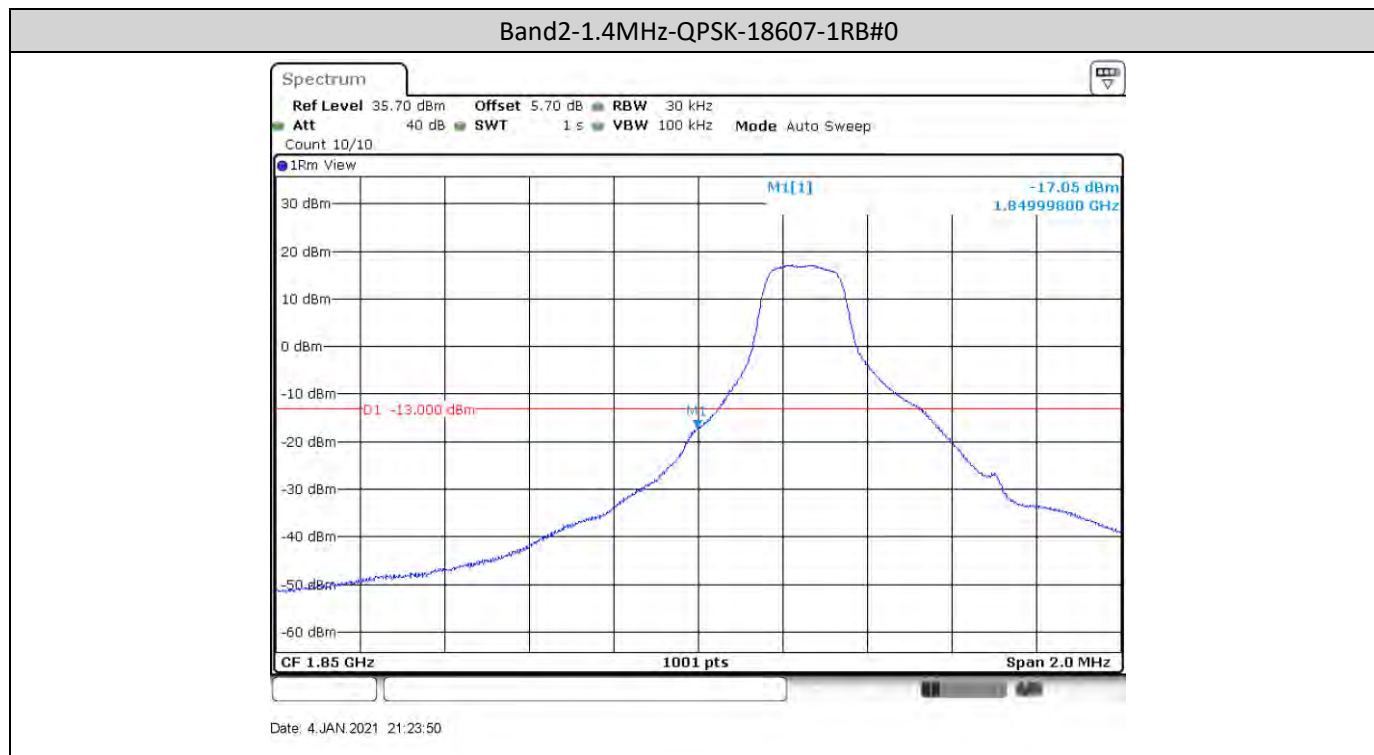
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



5. Band Edge Compliance

5.1. Test Plots





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



Date: 4, JAN. 2021 21:26:43

Band2-1.4MHz-QPSK-19193-1RB#5



Date: 4, JAN. 2021 21:25:17



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



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



Date: 4, JAN. 2021 21:27:25

Band2-1.4MHz-16QAM-18607-1RB#0



Date: 4, JAN. 2021 21:24:10



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

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

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



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



Date: 4, JAN. 2021 21:27:04

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



Date: 4, JAN. 2021 21:25:37



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

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



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



Date: 4, JAN. 2021 21:27:45

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



Date: 4, JAN. 2021 21:28:11





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



Date: 4, JAN. 2021 21:31:04

Band2-3MHz-QPSK-19185-1RB#14



Date: 4, JAN. 2021 21:29:38



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

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



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



Date: 4, JAN. 2021 21:31:46

Band2-3MHz-16QAM-18615-1RB#0



Date: 4, JAN. 2021 21:28:31



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

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

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

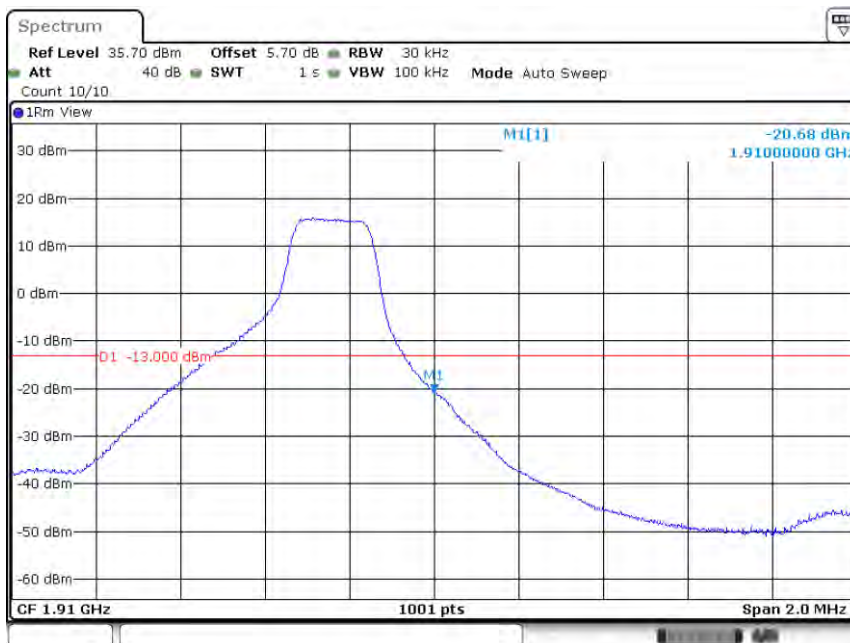


Band2-3MHz-16QAM-18615-15RB#0



Date: 4, JAN. 2021 21:31:25

Band2-3MHz-16QAM-19185-1RB#14



Date: 4, JAN. 2021 21:29:58





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



Date: 4, JAN. 2021 21:32:07

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



Date: 4, JAN. 2021 21:32:32



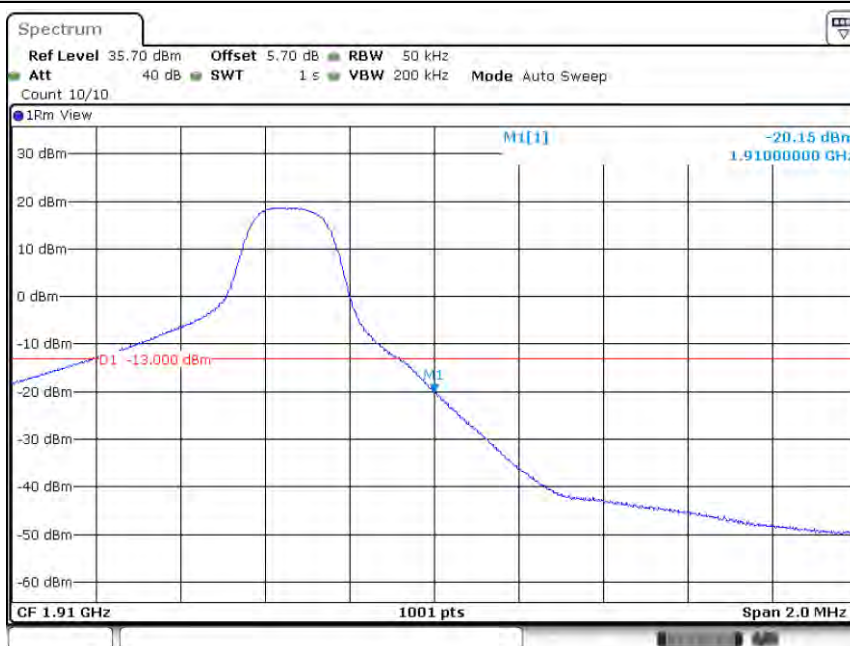


Band2-5MHz-QPSK-18625-25RB#0



Date: 4, JAN. 2021 21:35:25

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

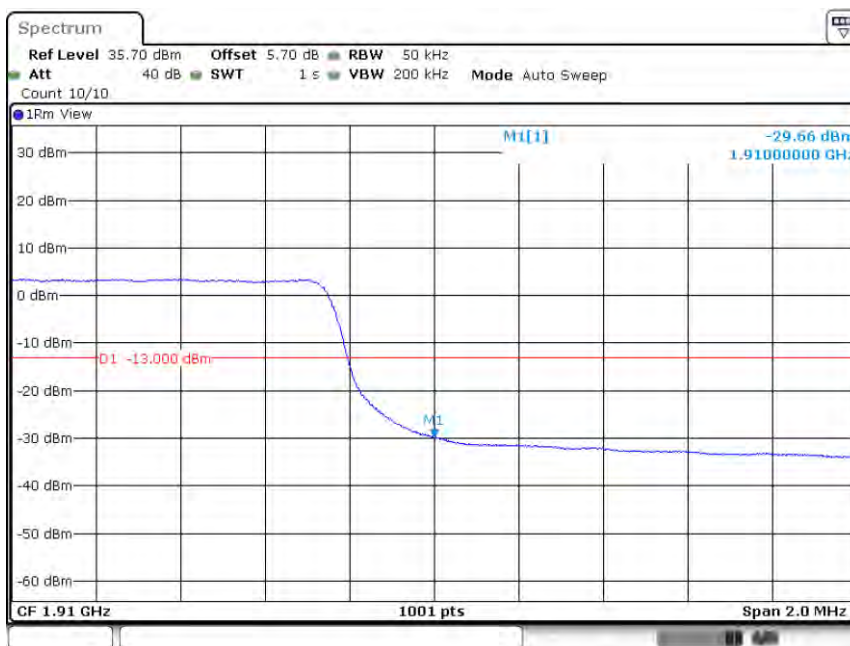


Date: 4, JAN. 2021 21:33:59





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



Date: 4, JAN. 2021 21:36:07

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



Date: 4, JAN. 2021 21:32:53



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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-16QAM-18625-25RB#0



Date: 4, JAN. 2021 21:35:46

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



Date: 4, JAN. 2021 21:34:19



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

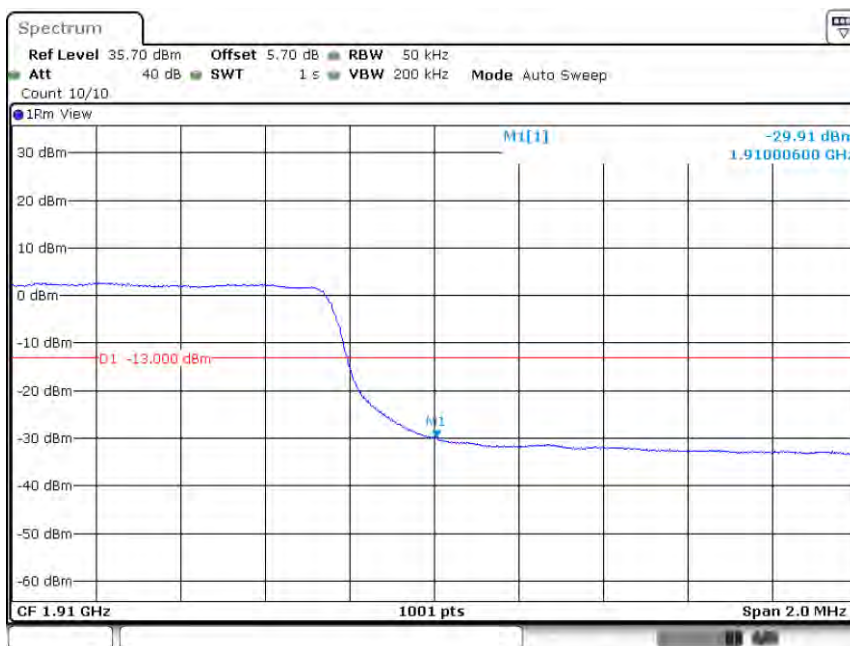
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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



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



Date: 4, JAN. 2021 21:36:27

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



Date: 4, JAN. 2021 21:36:52



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

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

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



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



Date: 4, JAN. 2021 21:39:46

Band2-10MHz-QPSK-19150-1RB#49



Date: 4, JAN. 2021 21:38:19



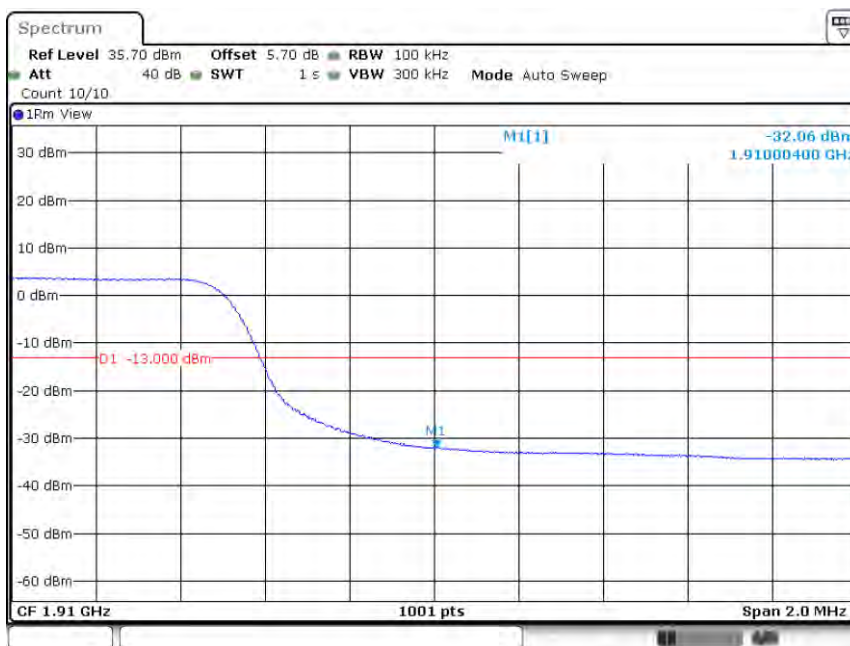
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center (CCC Laboratory)

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

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



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



Date: 4, JAN. 2021 21:40:27

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



Date: 4, JAN. 2021 21:37:13



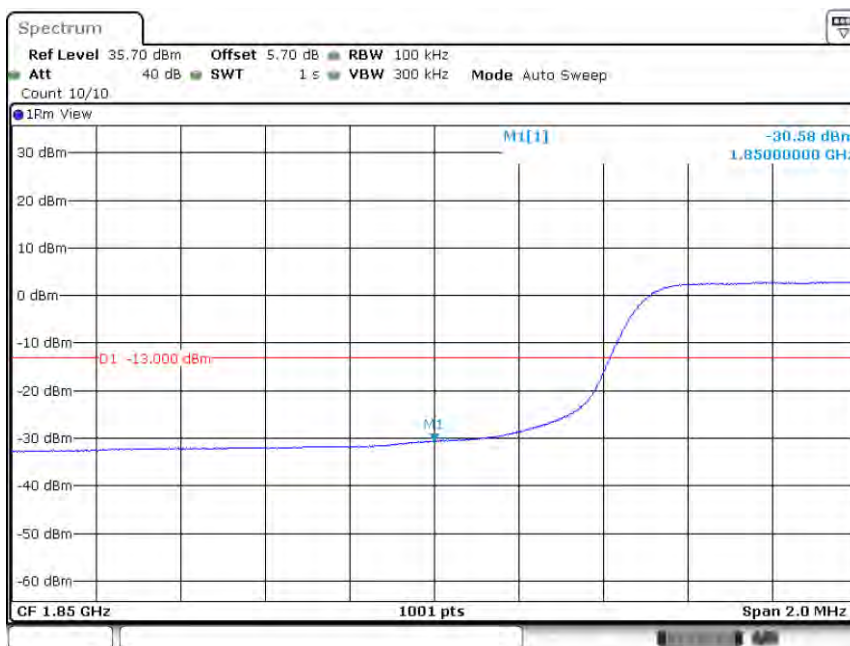
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

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



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



Date: 4, JAN. 2021 21:40:06

Band2-10MHz-16QAM-19150-1RB#49

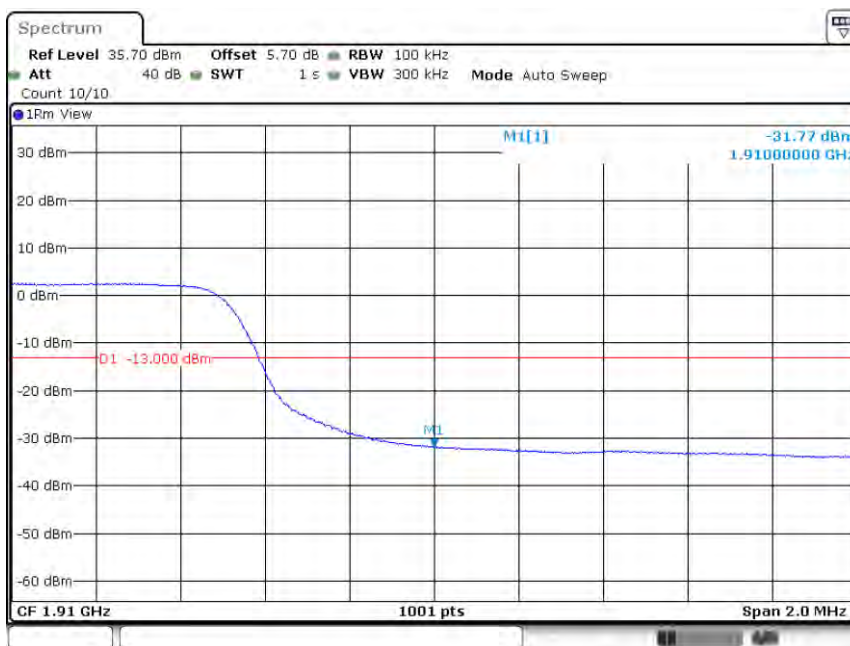


Date: 4, JAN. 2021 21:38:40



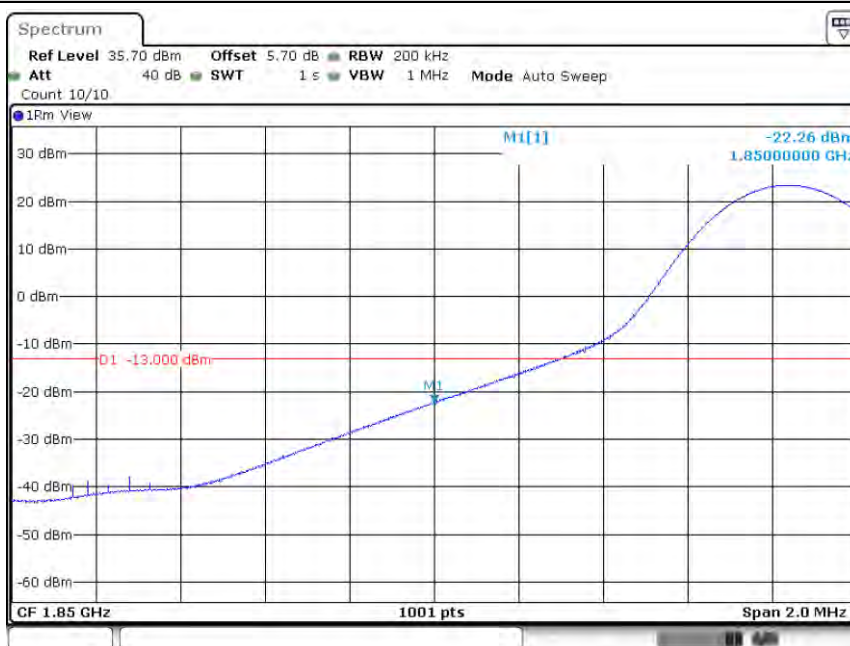


Band2-10MHz-16QAM-19150-50RB#0



Date: 4, JAN. 2021 21:40:48

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



Date: 4, JAN. 2021 21:41:13

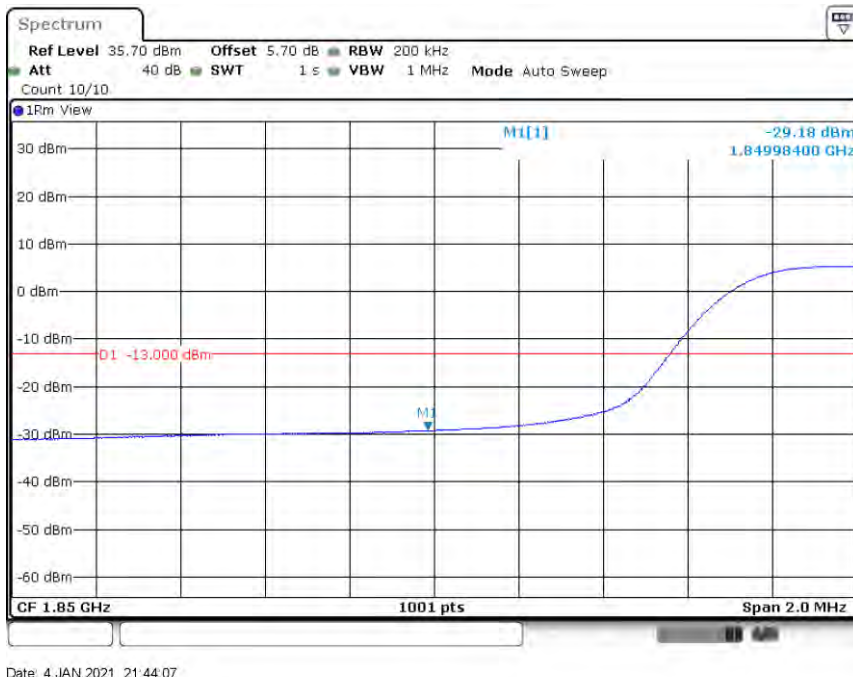
Band2-15MHz-QPSK-18675-75RB#0



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

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

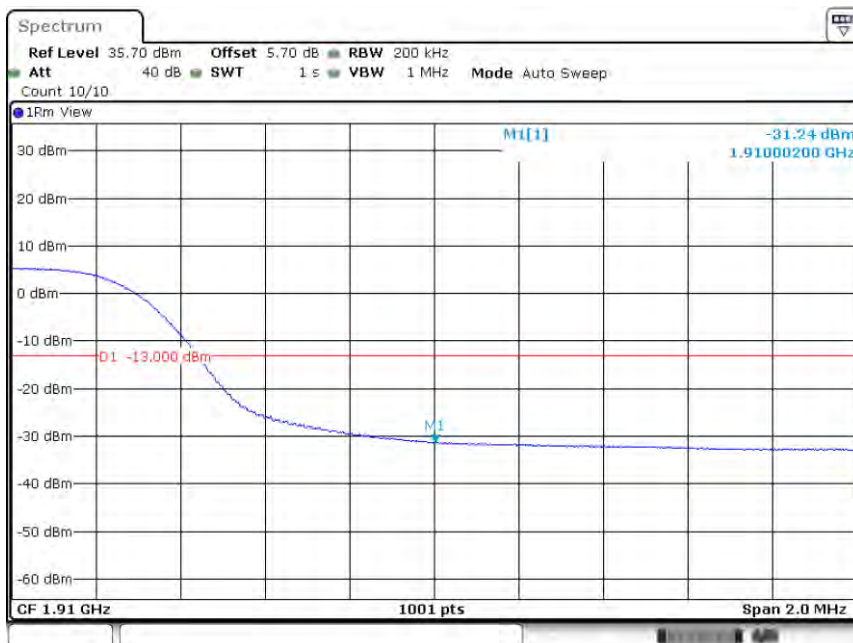


Band2-15MHz-QPSK-19125-1RB#74



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





Date: 4, JAN, 2021 21:44:48

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



Date: 4, JAN, 2021 21:41:34



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

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

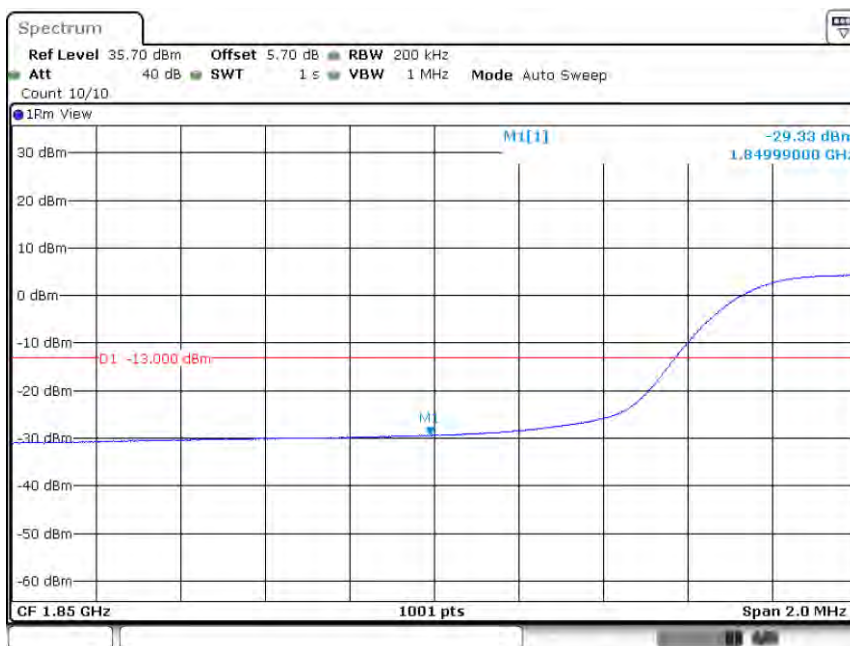
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

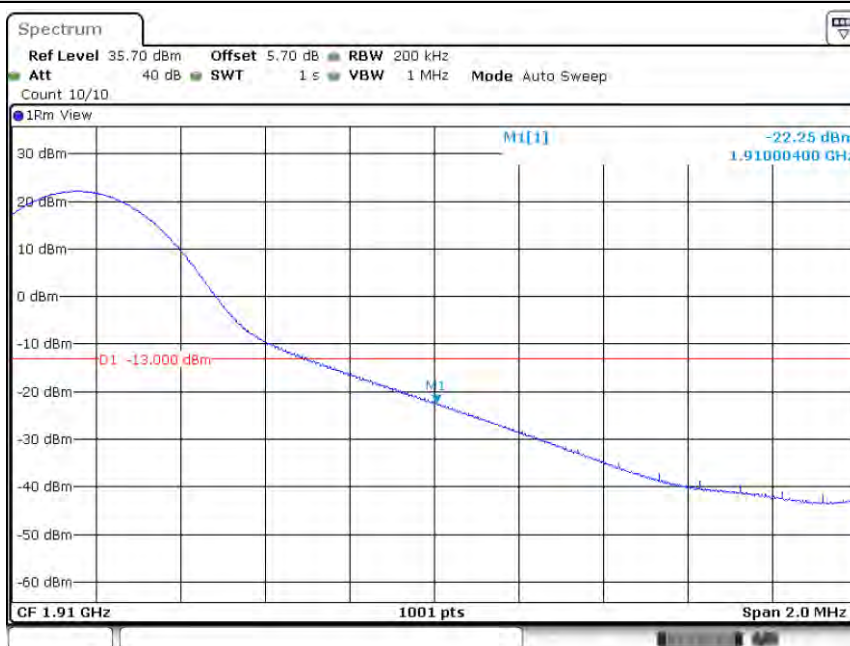


Band2-15MHz-16QAM-18675-75RB#0



Date: 4, JAN. 2021 21:44:27

Band2-15MHz-16QAM-19125-1RB#74



Date: 4, JAN. 2021 21:43:01

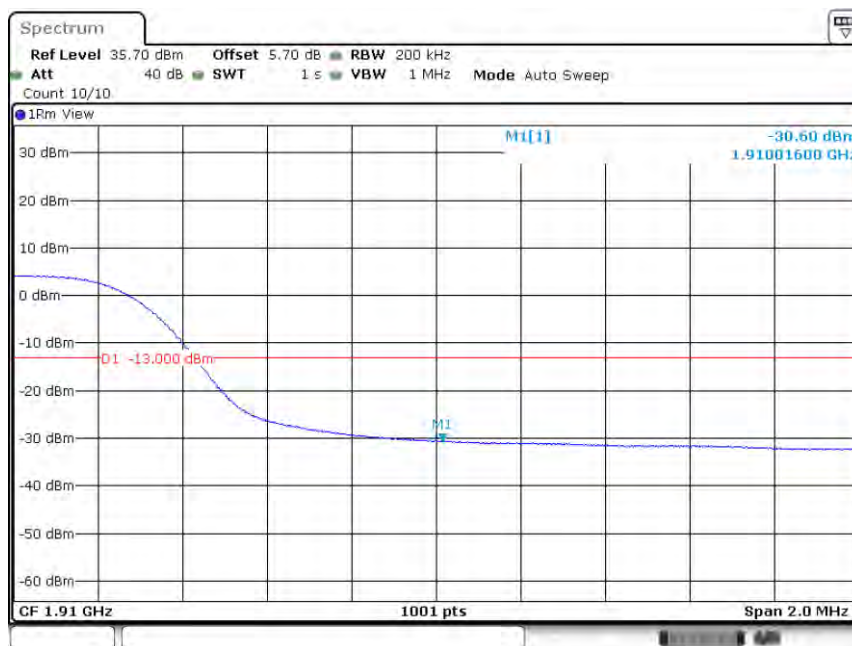


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

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

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

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



Date: 4, JAN. 2021 21:45:09

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



Date: 4, JAN. 2021 21:45:34



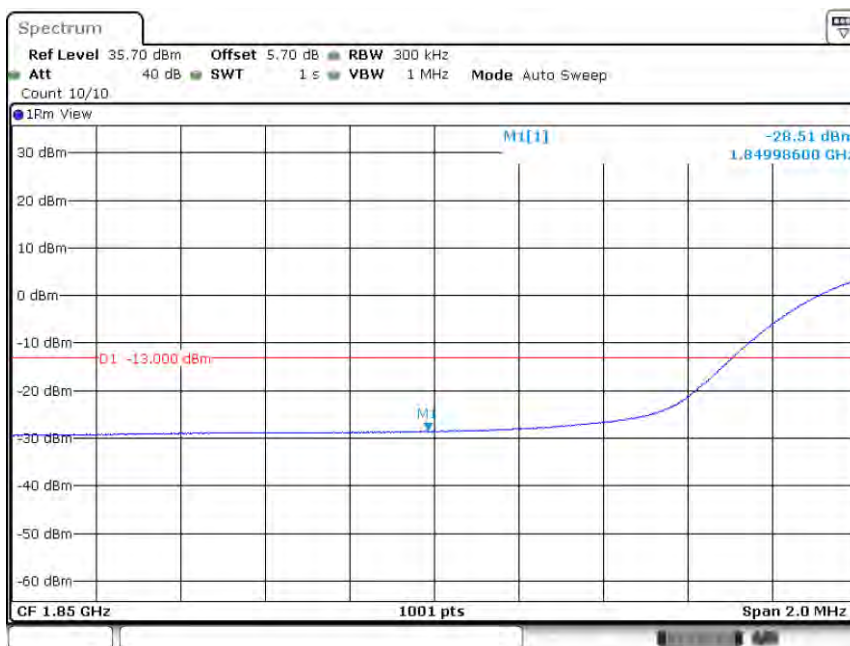
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

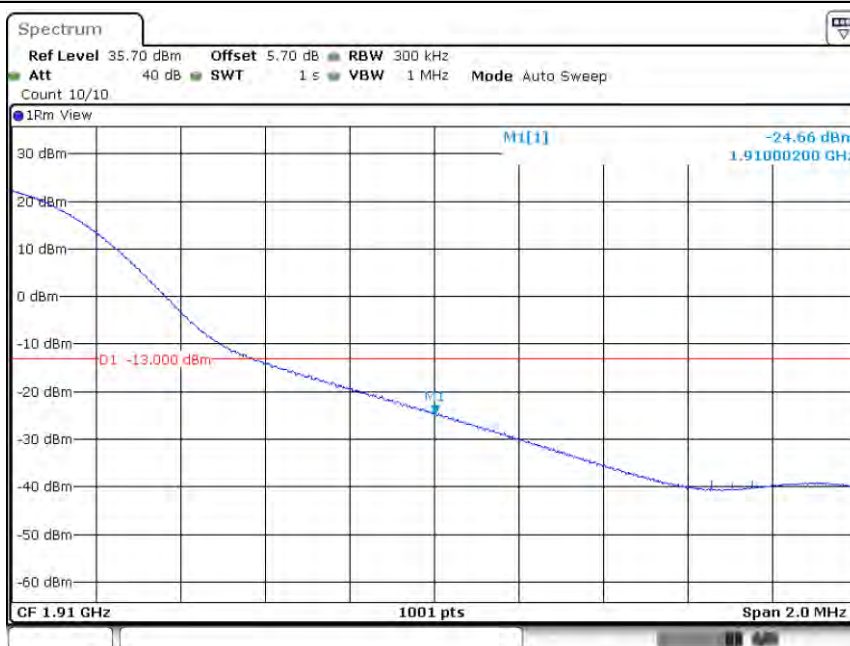


Band2-20MHz-QPSK-18700-100RB#0



Date: 4, JAN. 2021 21:48:27

Band2-20MHz-QPSK-19100-1RB#99



Date: 4, JAN. 2021 21:47:01



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

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



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



Date: 4, JAN. 2021 21:49:09

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



Date: 4, JAN. 2021 21:45:54



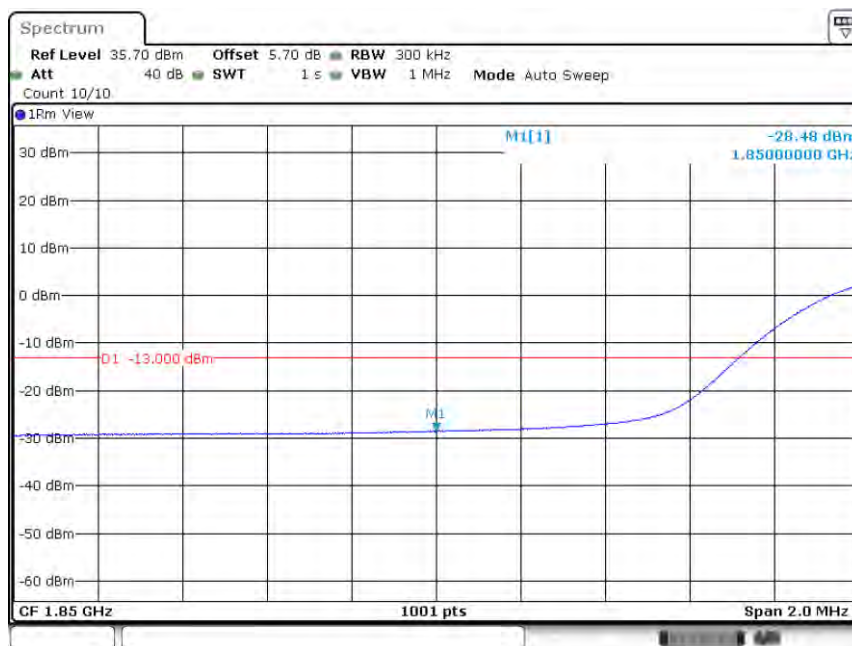
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center (CSTC Laboratory)

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

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

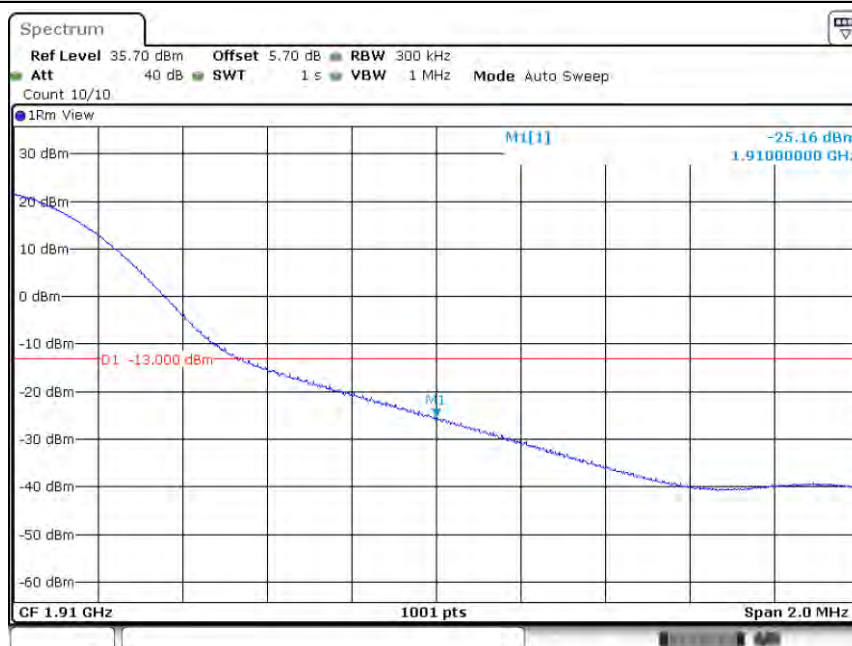


Band2-20MHz-16QAM-18700-100RB#0



Date: 4, JAN. 2021 21:48:48

Band2-20MHz-16QAM-19100-1RB#99

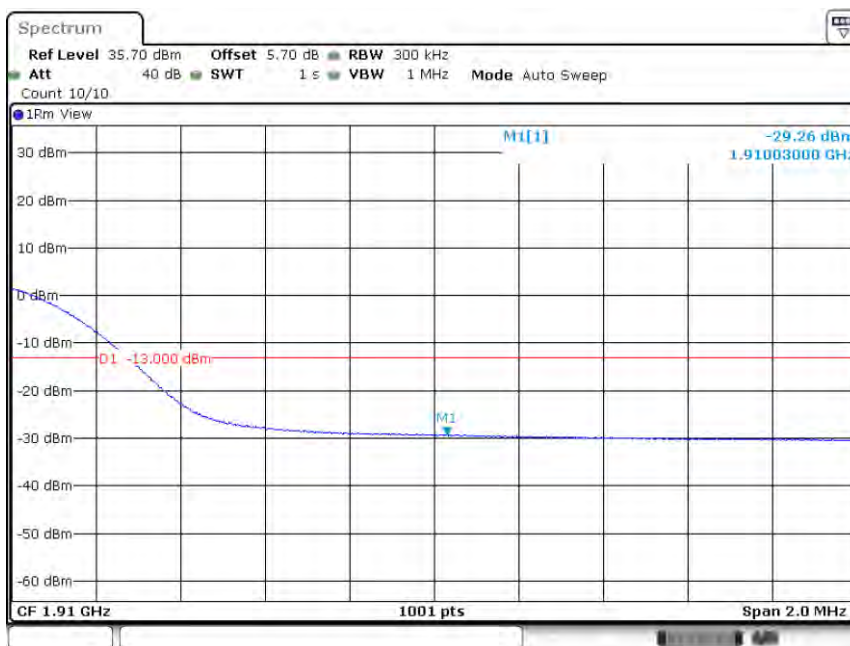


Date: 4, JAN. 2021 21:47:22





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



Date: 4, JAN, 2021 21:49:30



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

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

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

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

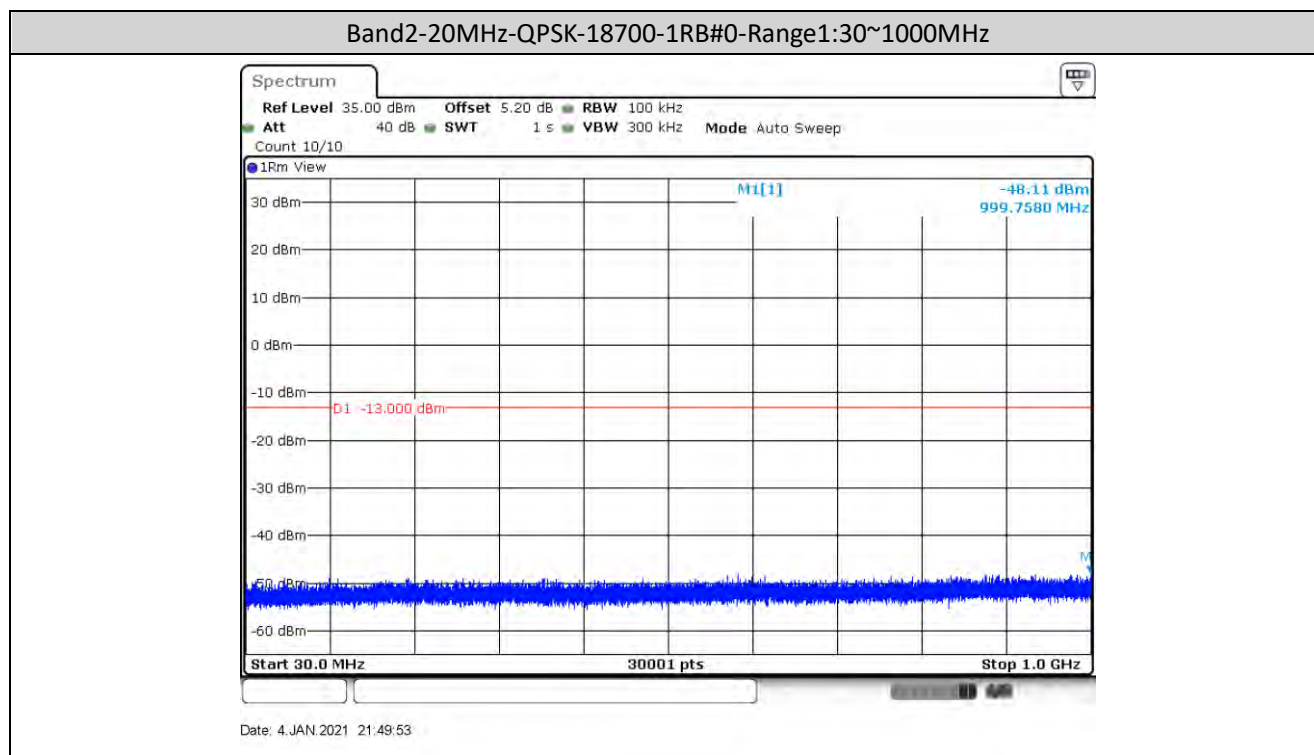


6. Spurious Emission at Antenna Terminal

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

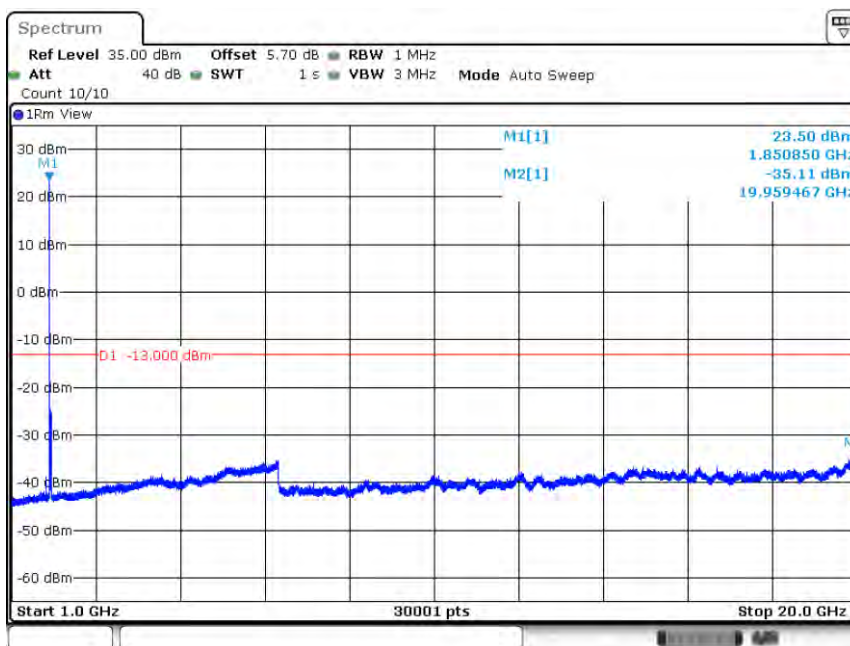
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



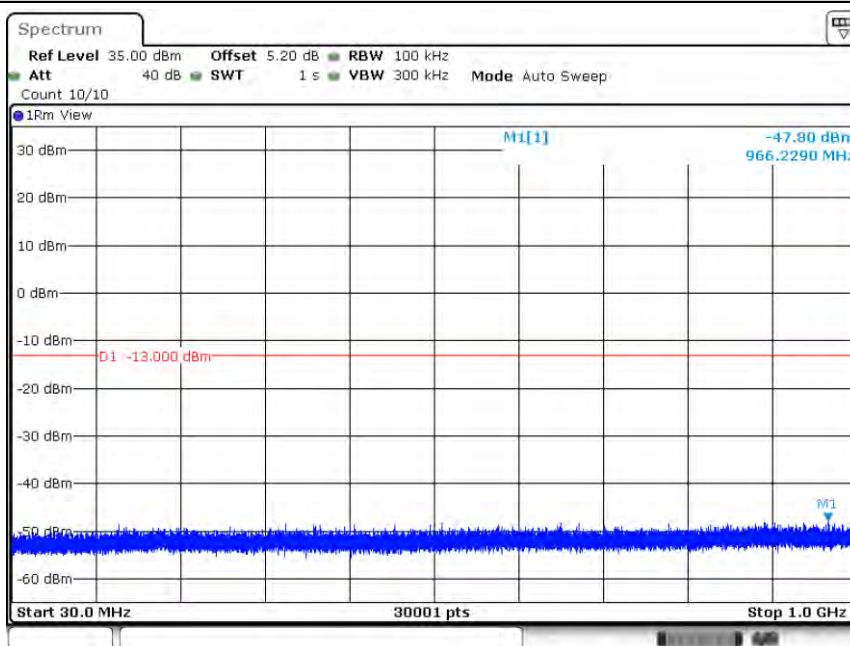


Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



Date: 4.JAN.2021 21:50:09

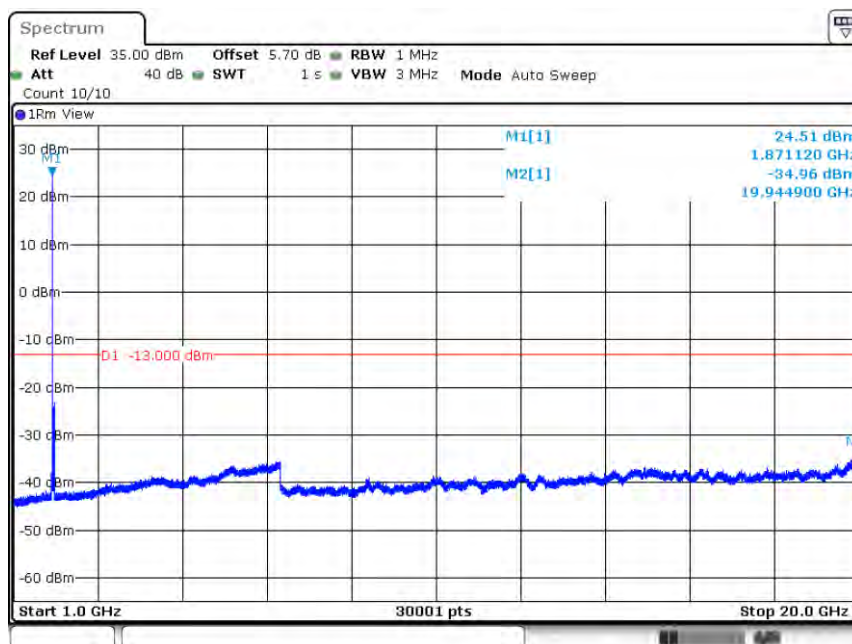
Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



Date: 4.JAN.2021 21:51:03

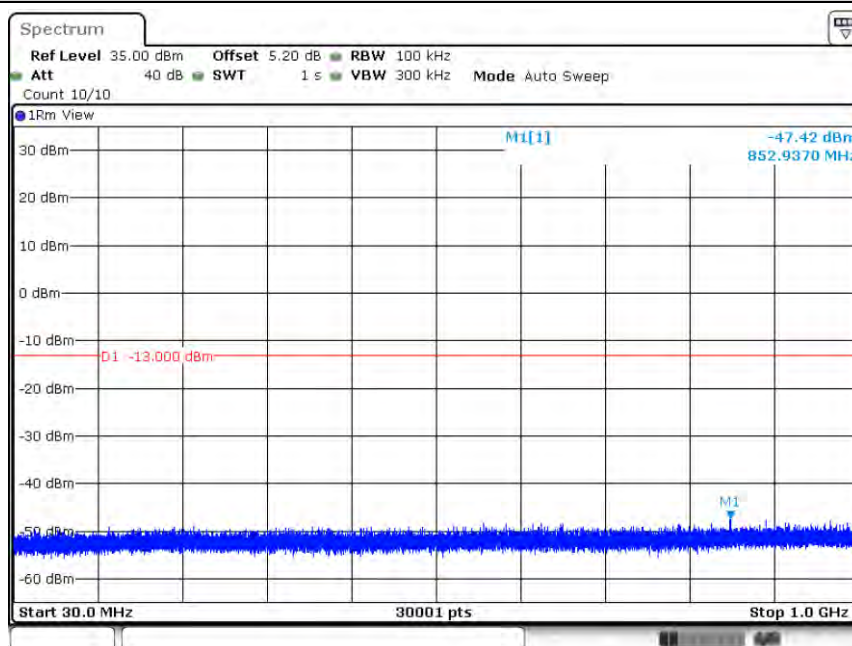


Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Date: 4.JAN.2021 21:51:19

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



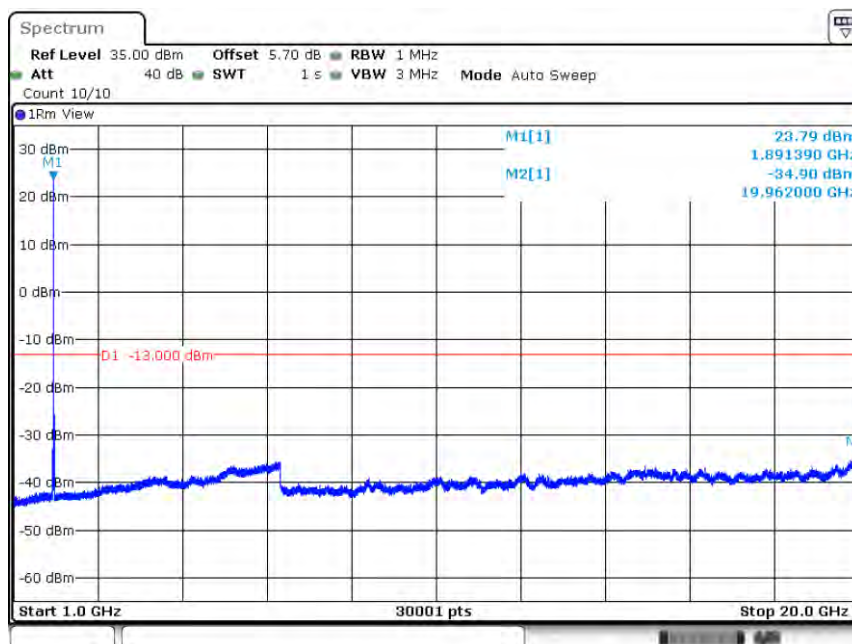
Date: 4.JAN.2021 21:52:13



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

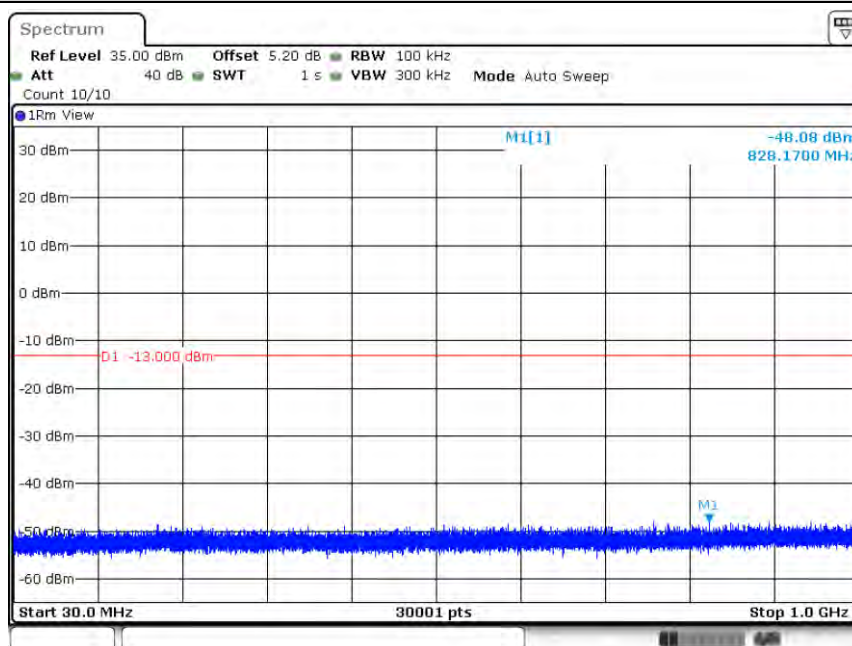
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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#0-Range2:1000~20000MHz



Date: 4, JAN. 2021 21:52:29

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



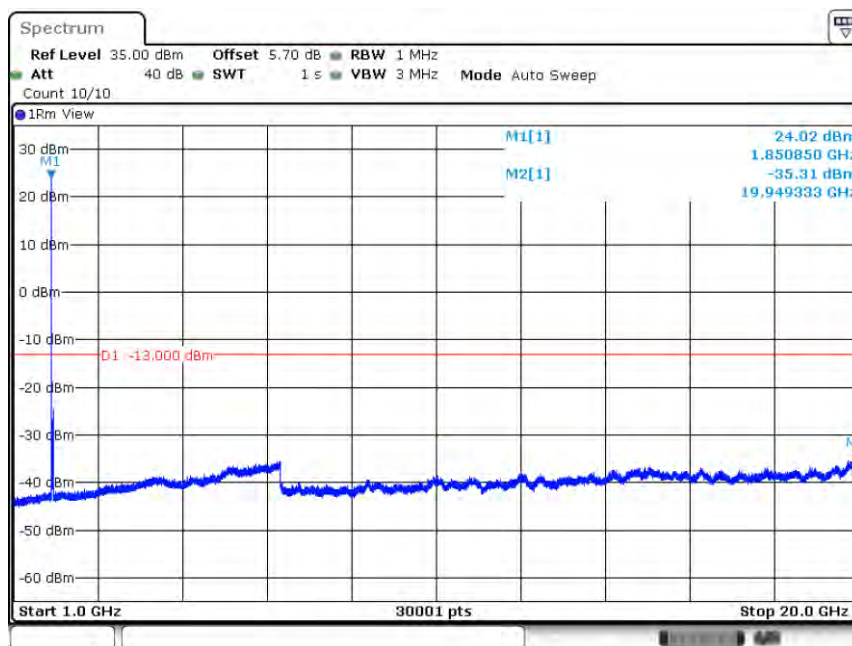
Date: 4, JAN. 2021 21:50:28



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

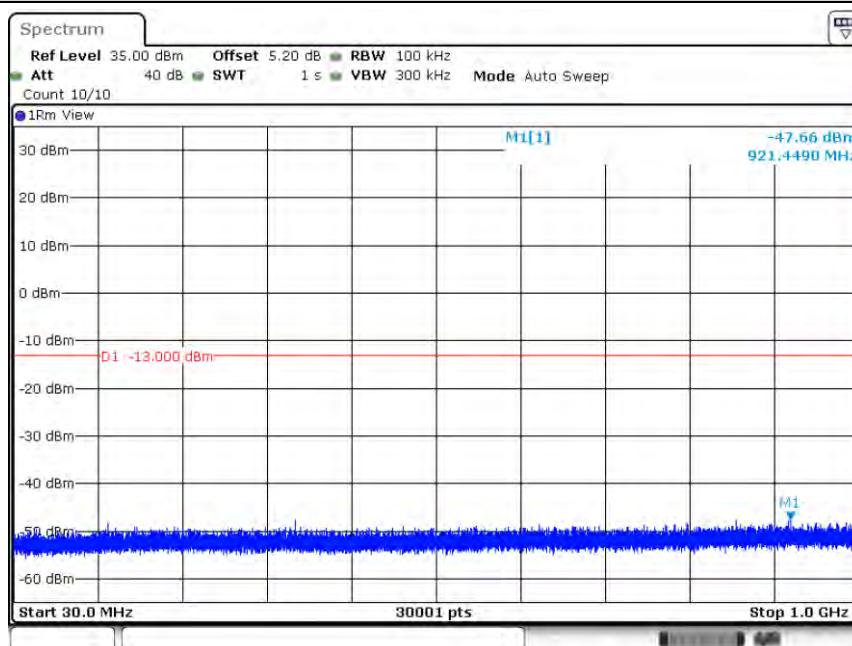
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 4, JAN. 2021 21:50:44

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



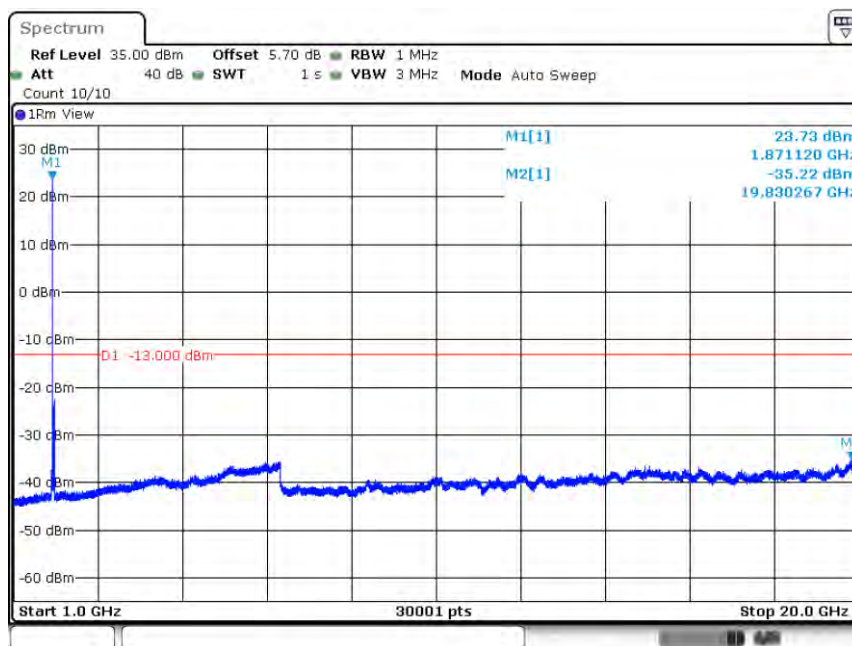
Date: 4, JAN. 2021 21:51:38



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

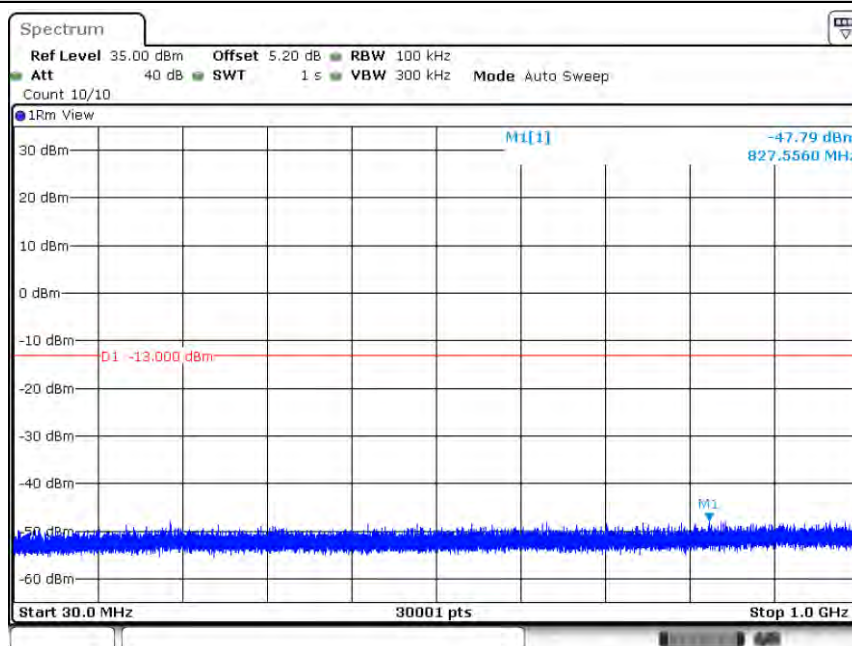
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

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



Date: 4.JAN.2021 21:51:54

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

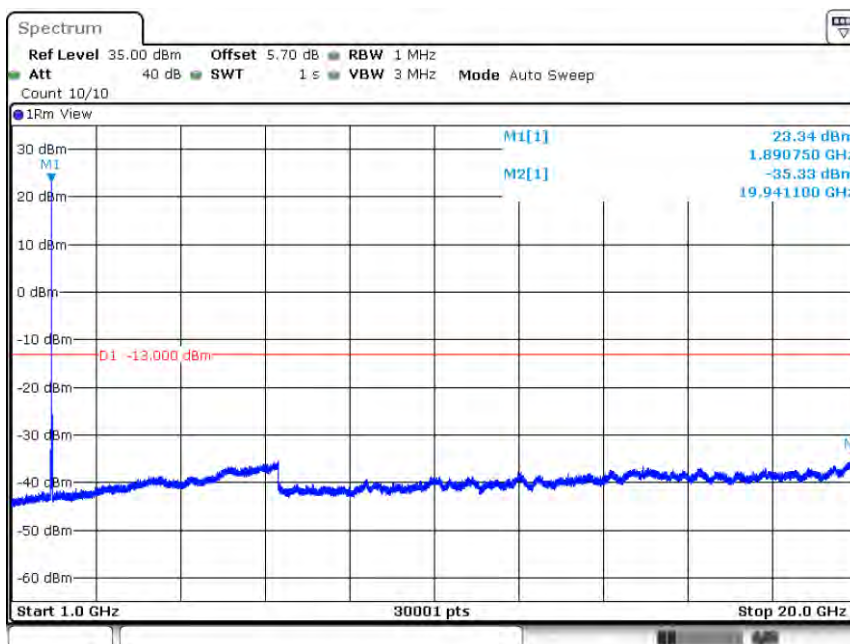


Date: 4.JAN.2021 21:52:48





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



Date: 4 JAN 2021 21:53:05



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

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

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

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



7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_2_TM1

7.1.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.5136	-63.41	-13.00	50.41	178	64	Horizontal
2	249.4735	-66.92	-13.00	53.92	159	231	Horizontal
3	3702.0234	-59.21	-13.00	46.21	177	231	Horizontal
4	5553.0851	-56.69	-13.00	43.69	162	34	Horizontal
5	7404.6468	-48.52	-13.00	35.52	184	360	Horizontal
6	16379.446	-44.06	-13.00	31.06	199	4	Horizontal



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

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

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



7.2. Test Band = LTE_2_TM1

7.2.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	111.3386	-64.00	-13.00	51.00	222	258	Vertical
2	612.1746	-63.79	-13.00	50.79	274	155	Vertical
3	3702.0234	-58.19	-13.00	45.19	251	124	Vertical
4	5553.5851	-58.99	-13.00	45.99	263	43	Vertical
5	7404.1468	-52.32	-13.00	39.32	284	360	Vertical
6	17995.499	-39.65	-13.00	26.65	271	314	Vertical





7.3. Test Band = LTE_2_TM1

7.3.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.1071	-63.13	-13.00	50.13	185	324	Horizontal
2	256.4578	-66.25	-13.00	53.25	174	212	Horizontal
3	3742.0247	-58.63	-13.00	45.63	165	348	Horizontal
4	5613.5871	-54.71	-13.00	41.71	189	37	Horizontal
5	7484.1495	-49.57	-13.00	36.57	175	348	Horizontal
6	16372.445	-44.13	-13.00	31.13	163	212	Horizontal





7.4. Test Band = LTE_2_TM1

7.4.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	106.8278	-64.44	-13.00	51.44	224	357	Vertical
2	607.3729	-62.97	-13.00	49.97	258	182	Vertical
3	3742.0247	-58.82	-13.00	45.82	263	149	Vertical
4	5613.5871	-58.04	-13.00	45.04	287	19	Vertical
5	14468.882	-48.12	-13.00	35.12	294	357	Vertical
6	17997.499	-40.39	-13.00	27.39	291	357	Vertical





7.5. Test Band = LTE_2_TM1

7.5.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.9430	-63.72	-13.00	50.72	174	170	Horizontal
2	260.9200	-68.07	-13.00	55.07	165	196	Horizontal
3	3782.5261	-60.29	-13.00	47.29	194	355	Horizontal
4	5673.0891	-54.01	-13.00	41.01	184	15	Horizontal
5	7564.1521	-50.41	-13.00	37.41	162	355	Horizontal
6	16396.946	-44.32	-13.00	31.32	187	249	Horizontal





7.6. Test Band = LTE_2_TM1

7.6.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	112.9391	-63.91	-13.00	50.91	247	352	Vertical
2	591.1731	-63.75	-13.00	50.75	258	79	Vertical
3	3782.0261	-60.54	-13.00	47.54	241	29	Vertical
4	5673.5891	-58.09	-13.00	45.09	259	29	Vertical
5	7564.6522	-52.47	-13.00	39.47	271	103	Vertical
6	17997.999	-40.38	-13.00	27.38	269	203	Vertical

Remark:

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



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

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 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



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	-5.10	-0.002742	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-2.80	-0.001505	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	4.90	0.002634	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	1.90	0.001011	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-10.10	-0.005372	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	2.80	0.001474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-8.30	-0.004368	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-0.80	-0.000430	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-2.00	-0.001075	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-13.50	-0.007181	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-4.00	-0.002128	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-2.90	-0.001526	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-9.30	-0.004895	±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	-0.80	-0.000430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-3.70	-0.001989	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-10	-3.50	-0.001882	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-4.70	-0.002527	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	2.60	0.001398	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-3.90	-0.002097	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	3.50	0.001882	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-0.60	-0.000323	±2.5	PASS



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

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

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



Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-17.00	-0.009043	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-4.80	-0.002553	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-15.70	-0.008351	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-12.70	-0.006755	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-9.80	-0.005213	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-10.70	-0.005691	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-9.10	-0.004840	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-4.10	-0.002181	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-8.20	-0.004316	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-6.80	-0.003579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-10	-6.40	-0.003368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-12.30	-0.006474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-10.20	-0.005368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	1.30	0.000684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	0.80	0.000421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	3.70	0.001947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	0.90	0.000474	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-8.90	-0.004785	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-7.00	-0.003763	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-10	1.50	0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-10.10	-0.005430	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-4.30	-0.002312	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-2.10	-0.001129	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-9.30	-0.005000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-11.10	-0.005968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-12.40	-0.006596	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-10.10	-0.005372	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-10	-14.90	-0.007926	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-8.10	-0.004309	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-14.30	-0.007606	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-12.20	-0.006489	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	1.70	0.000904	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-2.30	-0.001223	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-0.40	-0.000211	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-9.50	-0.005000	±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	16QAM	19100	100RB#0	NV	-10	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-7.00	-0.003684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-9.90	-0.005211	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	0.50	0.000263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-11.30	-0.005947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-9.10	-0.004789	±2.5	PASS



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

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

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

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