



Appendix B

E-UTRA Band 4



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



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#2	23.25	22.75	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.28	22.78	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	23.29	22.79	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.30	22.8	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.26	22.76	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.27	22.77	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.40	21.9	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.20	22.7	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.29	22.79	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.23	22.73	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.28	22.78	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.32	22.82	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.31	22.81	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.26	21.76	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.25	22.75	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.50	23	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.22	22.72	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.47	22.97	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.43	22.93	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.47	22.97	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.36	21.86	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.41	21.91	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.37	21.87	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.33	21.83	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.36	21.86	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.28	21.78	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.35	21.85	30.00	PASS



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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Shenzhen Branch: 中国·深圳·科技园中区M-10栋一号厂房

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



Band4	1.4MHz	16QAM	19957	6RB#0	21.33	20.83	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.62	22.12	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.87	22.37	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.33	21.83	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.43	21.93	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.30	21.8	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.28	21.78	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.23	20.73	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.65	22.15	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.65	22.15	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.61	22.11	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.25	21.75	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.43	21.93	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.40	21.9	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.36	20.86	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.32	21.82	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.24	21.74	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.28	21.78	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.56	22.06	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.42	21.92	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.42	21.92	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.50	21	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.27	21.77	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.33	21.83	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.26	21.76	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.74	22.24	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.25	21.75	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.32	21.82	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.49	20.99	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.42	21.92	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.39	21.89	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.47	21.97	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.37	21.87	30.00	PASS



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

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



Band4	3MHz	QPSK	20385	8RB#4	22.77	22.27	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.28	21.78	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.43	20.93	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.40	20.9	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.35	20.85	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.37	20.87	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.31	20.81	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.35	20.85	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.32	20.82	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.29	20.79	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.45	20.95	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.49	20.99	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.20	20.7	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.41	20.91	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.54	21.04	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.29	20.79	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.43	20.93	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.54	21.04	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.28	20.78	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.39	20.89	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.30	20.8	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.52	21.02	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.44	20.94	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.45	20.95	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.21	22.71	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.39	22.89	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.07	22.57	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.34	21.84	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.30	21.8	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.35	21.85	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.37	21.87	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.24	22.74	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.23	22.73	30.00	PASS



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

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



Band4	5MHz	QPSK	20175	1RB#12	23.28	22.78	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.36	21.86	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.31	21.81	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.34	21.84	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.36	21.86	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.36	22.86	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.38	22.88	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.28	22.78	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.29	21.79	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.39	21.89	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.33	21.83	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.38	21.88	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.35	21.85	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.73	22.23	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.33	21.83	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.19	20.69	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.27	20.77	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.37	20.87	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.29	20.79	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.81	22.31	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.26	21.76	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.36	21.86	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.38	20.88	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.36	20.86	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.34	20.84	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.32	20.82	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.71	22.21	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.54	22.04	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.36	21.86	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.30	20.8	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.52	21.02	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.44	20.94	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.45	20.95	30.00	PASS



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

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



Band4	10MHz	QPSK	20000	1RB#0	23.32	22.82	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.27	22.77	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.19	22.69	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.37	21.87	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.29	21.79	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.29	21.79	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.29	21.79	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.39	21.89	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.40	21.9	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.33	21.83	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.24	21.74	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.78	22.28	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.48	21.98	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.40	20.9	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.42	21.92	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.49	21.99	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.53	22.03	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.55	22.05	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.89	22.39	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.55	22.05	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.52	21.02	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.47	21.97	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.81	22.31	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.45	20.95	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.36	20.86	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.36	20.86	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.24	20.74	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.40	20.9	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.42	20.92	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.46	20.96	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.36	20.86	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.39	20.89	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.41	20.91	30.00	PASS



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

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



Band4	10MHz	16QAM	20175	25RB#25	21.20	20.7	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.44	20.94	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.51	21.01	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.39	20.89	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.57	21.07	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.36	20.86	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.92	20.42	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.40	20.9	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.35	20.85	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.19	22.69	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.27	22.77	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.18	22.68	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.39	21.89	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.33	21.83	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.38	21.88	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.29	21.79	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.21	22.71	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.28	22.78	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.14	22.64	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.38	21.88	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.42	21.92	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.36	21.86	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.32	21.82	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.26	22.76	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.85	22.35	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.17	22.67	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.39	21.89	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.37	21.87	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.46	21.96	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.46	21.96	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.12	21.62	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.66	22.16	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.44	21.94	30.00	PASS



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

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

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



Band4	15MHz	16QAM	20025	36RB#0	21.34	20.84	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.36	20.86	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.36	20.86	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.36	20.86	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.18	21.68	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.56	22.06	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.67	22.17	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.28	20.78	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.29	20.79	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.31	20.81	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.40	20.9	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.42	21.92	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.76	21.26	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.26	21.76	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.36	20.86	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.92	20.42	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.40	20.9	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.35	20.85	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.15	22.65	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.30	22.8	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.04	22.54	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.30	21.8	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.42	21.92	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.30	21.8	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.33	21.83	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.98	22.48	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.45	22.95	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.94	22.44	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.31	21.81	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.34	21.84	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.29	21.79	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.35	21.85	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.15	22.65	30.00	PASS



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

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



Band4	20MHz	QPSK	20300	1RB#0	23.31	22.81	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.09	22.59	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.41	21.91	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.47	21.97	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.45	21.95	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.41	21.91	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.27	21.77	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.88	22.38	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.44	21.94	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.44	20.94	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.32	20.82	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.38	20.88	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.26	20.76	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.40	21.9	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.38	21.88	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.53	22.03	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.31	20.81	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.42	20.92	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.43	20.93	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.28	20.78	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.21	21.71	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.86	22.36	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.97	21.47	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.45	20.95	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.30	20.8	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.39	20.89	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.39	20.89	30.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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

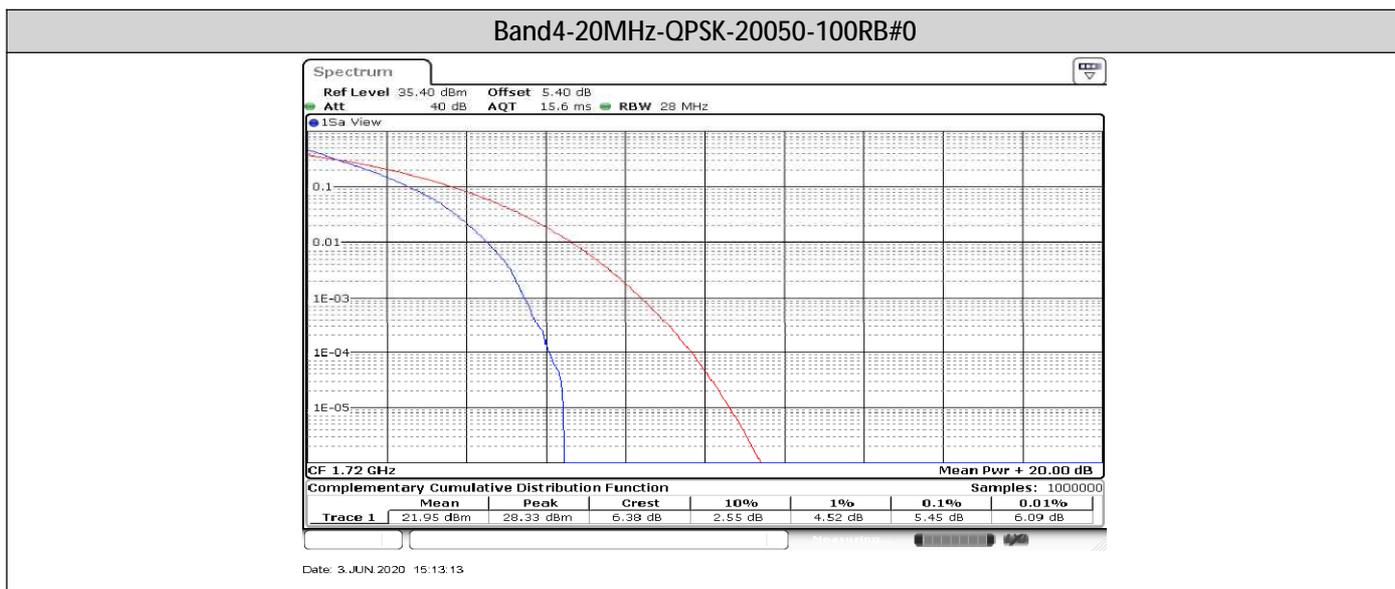


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

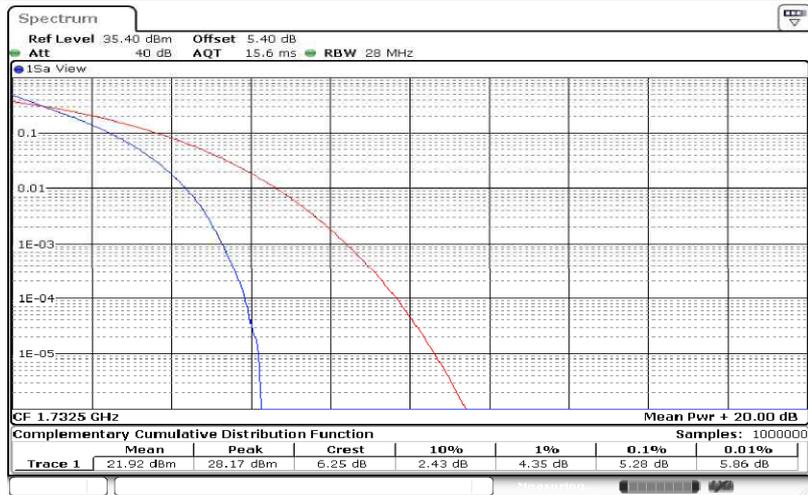
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.45	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.28	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.25	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.23	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.06	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.06	13	PASS

2.2. Test Plots



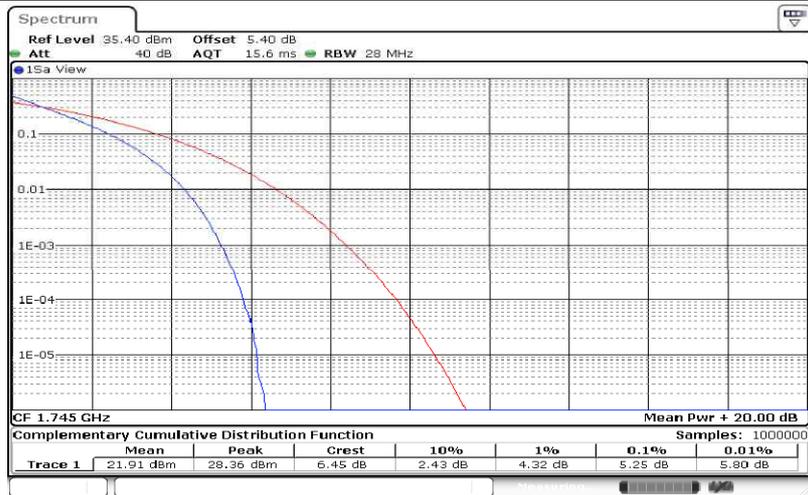


Band4-20MHz-QPSK-20175-100RB#0



Date: 3 JUN 2020 15:13:36

Band4-20MHz-QPSK-20300-100RB#0



Date: 3 JUN 2020 15:13:58



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

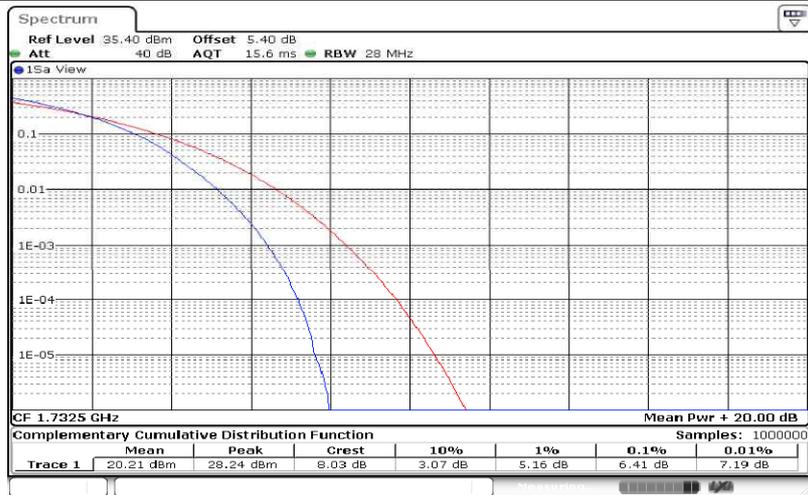


Band4-20MHz-64QAM-20050-100RB#0



Date: 4 JUN 2020 15:38:26

Band4-20MHz-64QAM-20175-100RB#0



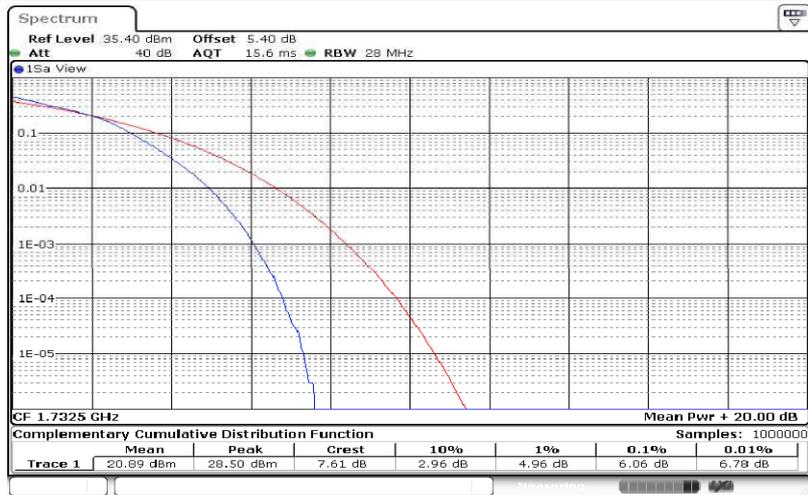
Date: 4 JUN 2020 15:38:37



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.

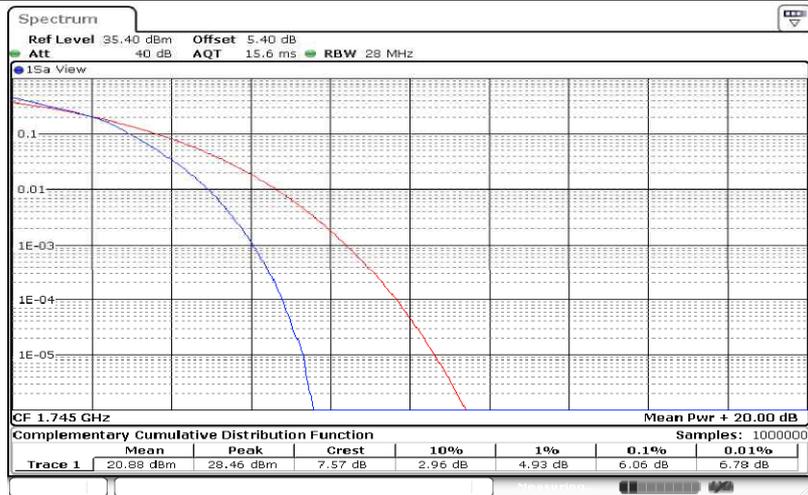


Band4-20MHz-16QAM-20175-100RB#0



Date: 3 JUN 2020 15:13:47

Band4-20MHz-16QAM-20300-100RB#0



Date: 3 JUN 2020 15:14:10



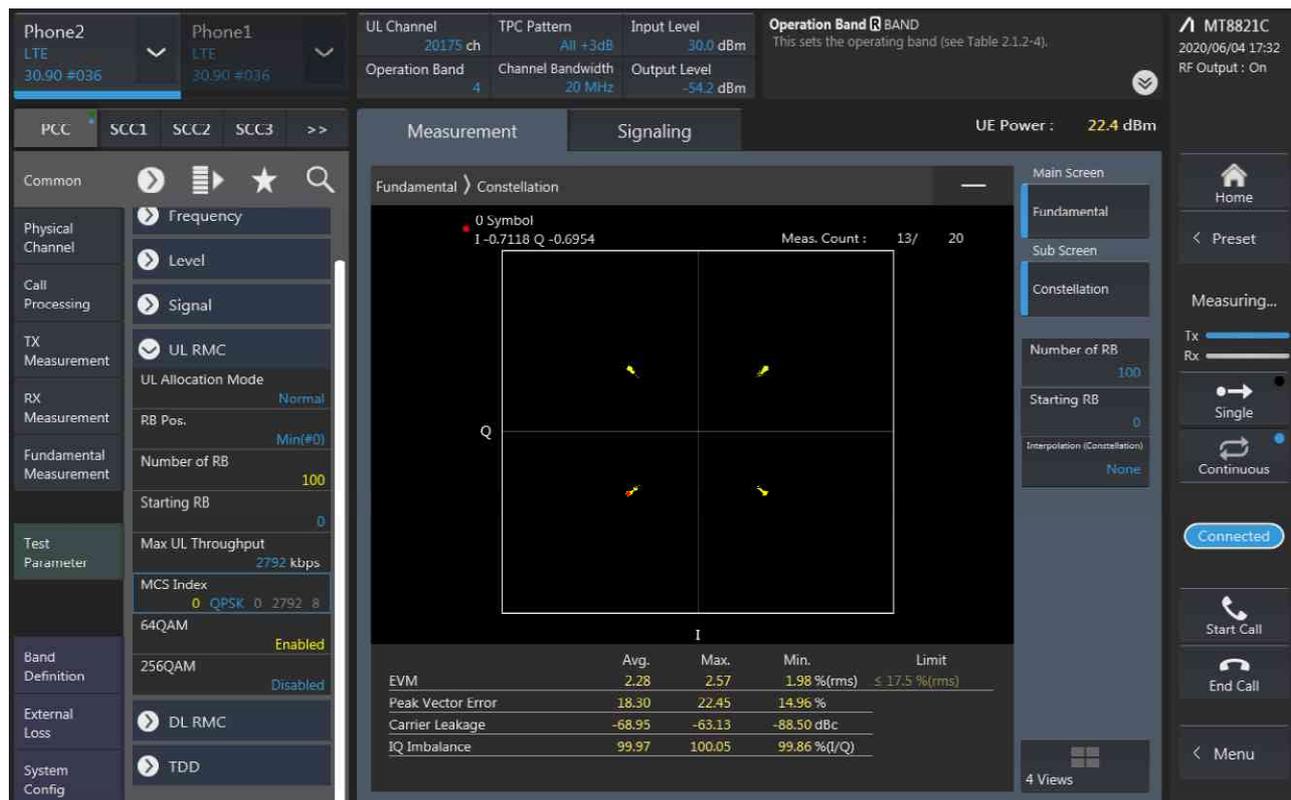
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.088	1.281	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.284	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.287	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.088	1.281	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.272	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.296	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.904	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.922	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.685	2.904	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.673	2.892	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.673	2.910	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.673	2.910	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.830	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.456	4.690	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.880	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.860	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.840	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.860	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.971	9.400	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.620	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.951	9.620	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.660	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.640	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.951	9.640	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.576	14.430	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.670	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.576	14.370	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	14.610	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.640	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.640	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.320	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

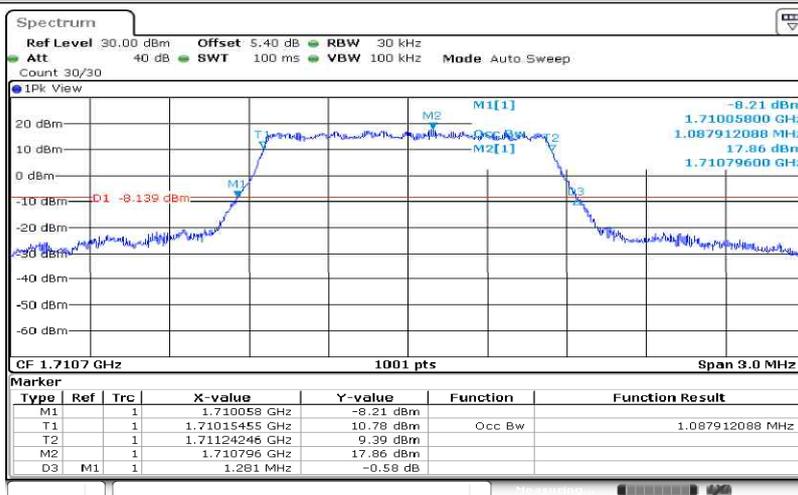
SGS-CSTC Standards Technical Services Co., Ltd. | No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 | t (86-755) 26012053 f (86-755) 26710594 | www.sgsgroup.com.cn
Shenzhen Branch | 中国·深圳·科技园中区M-10栋一号厂房 | 邮编: 518057 | t (86-755) 26012053 f (86-755) 26710594 | sgs.china@sgs.com



Band4	20MHz	QPSK	20175	100RB#0	17.862	19.200	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.062	19.080	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.320	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.360	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.280	PASS

4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.088



Date: 3 JUN 2020 14:43:09

Band4-1.4MHz-QPSK-20175-6RB#0-1.085



Date: 3 JUN 2020 14:43:35



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.



Band4-1.4MHz-QPSK-20393-6RB#0-1.088



Date: 3 JUN 2020 14:44:01

Band4-1.4MHz-16QAM-19957-6RB#0-1.088



Date: 3 JUN 2020 14:43:22



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.

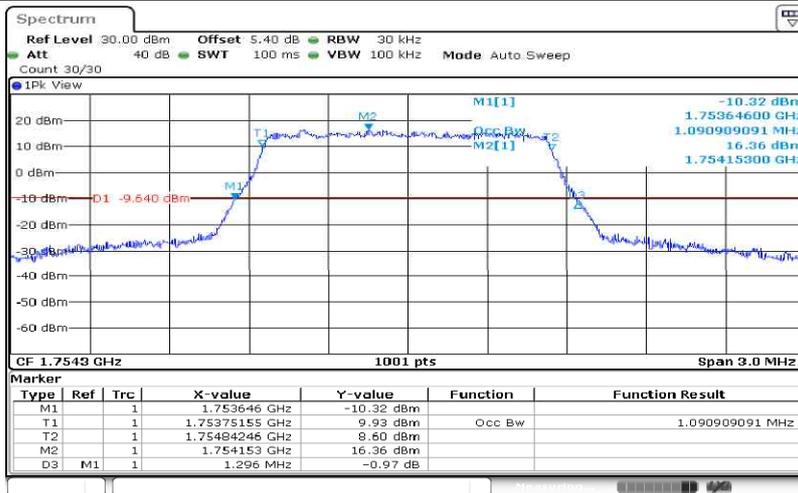


Band4-1.4MHz-16QAM-20175-6RB#0-1.091



Date: 3 JUN 2020 14:43:48

Band4-1.4MHz-16QAM-20393-6RB#0-1.091



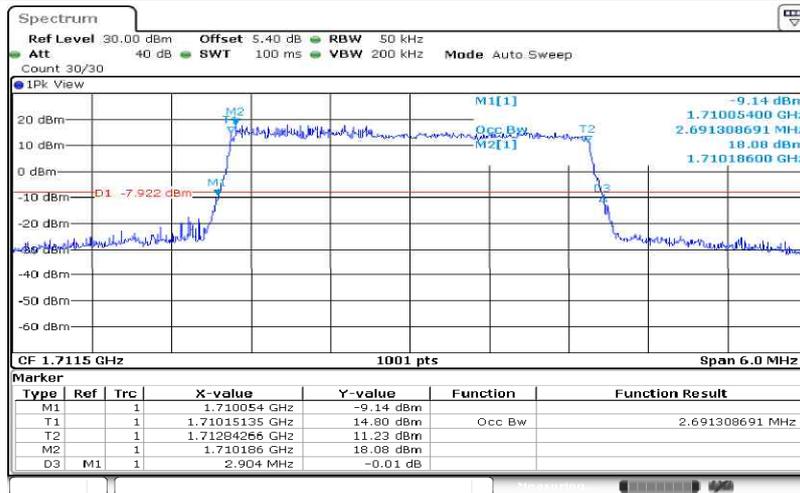
Date: 3 JUN 2020 14:44:14



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

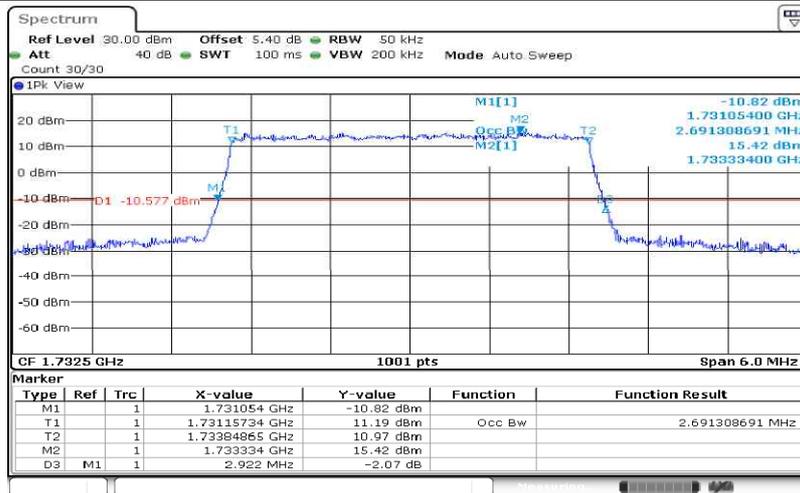


Band4-3MHz-QPSK-19965-15RB#0-2.691



Date: 3 JUN 2020 14:44:33

Band4-3MHz-QPSK-20175-15RB#0-2.691



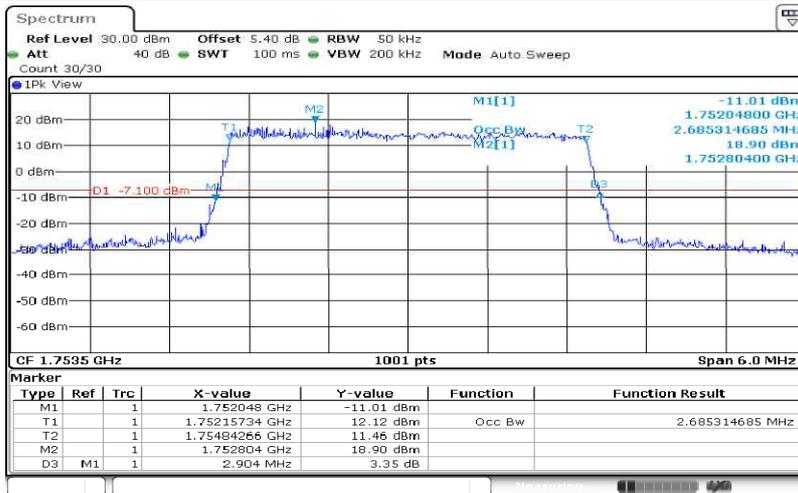
Date: 3 JUN 2020 14:44:58



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.

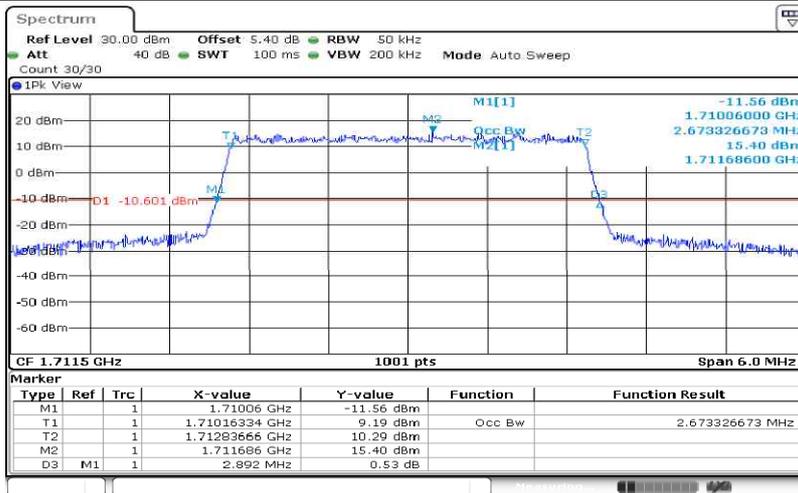


Band4-3MHz-QPSK-20385-15RB#0-2.685



Date: 3 JUN 2020 14:45:24

Band4-3MHz-16QAM-19965-15RB#0-2.673



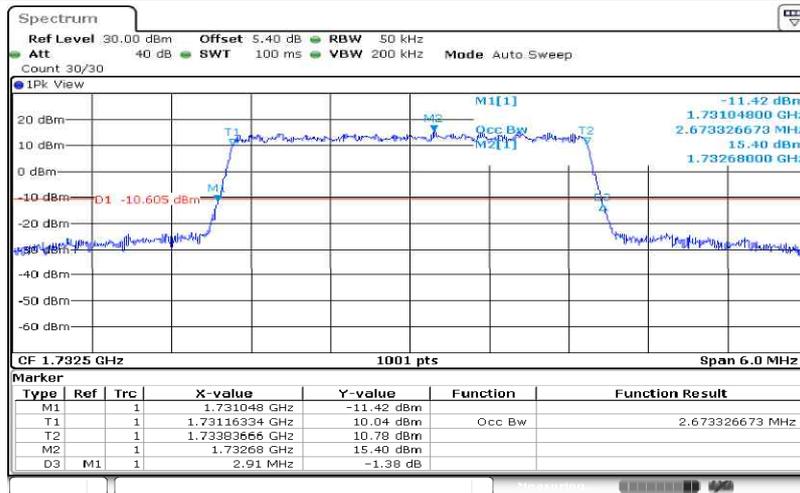
Date: 3 JUN 2020 14:44:46



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.

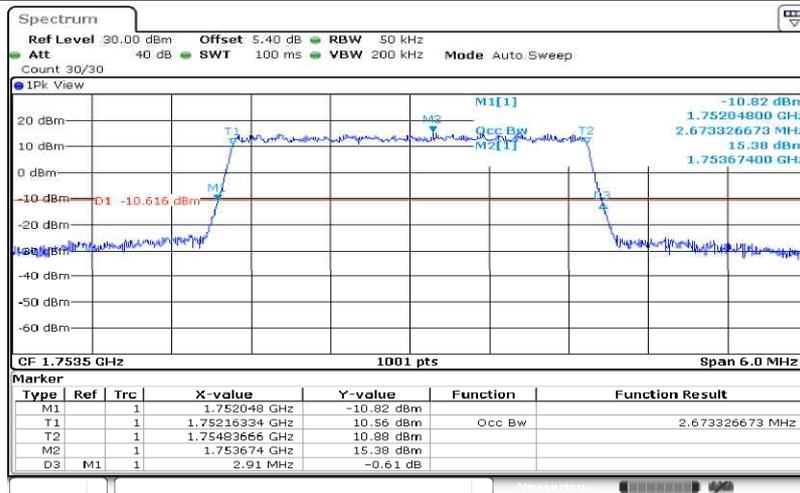


Band4-3MHz-16QAM-20175-15RB#0-2.673



Date: 3 JUN 2020 14:45:11

Band4-3MHz-16QAM-20385-15RB#0-2.673

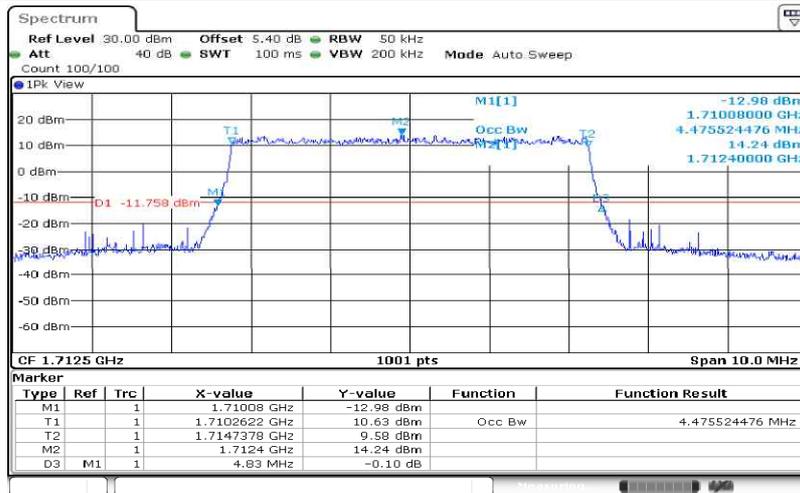


Date: 3 JUN 2020 14:45:37



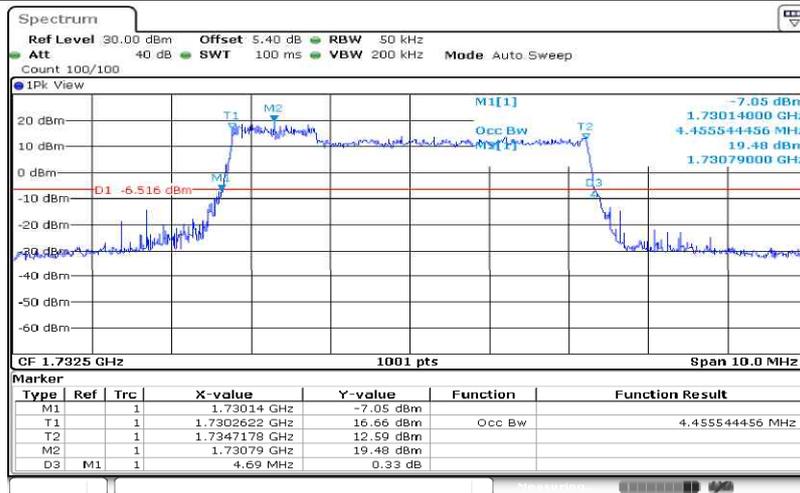
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 3 JUN 2020 14:46:02

Band4-5MHz-QPSK-20175-25RB#0-4.456



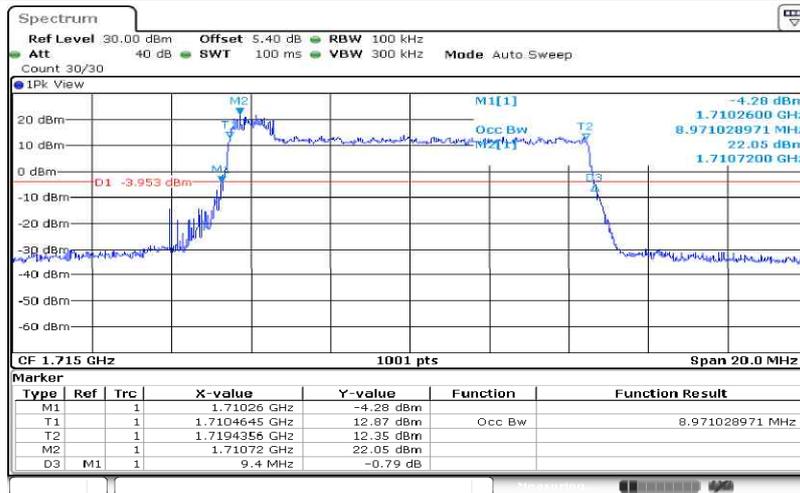
Date: 3 JUN 2020 14:46:42



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.

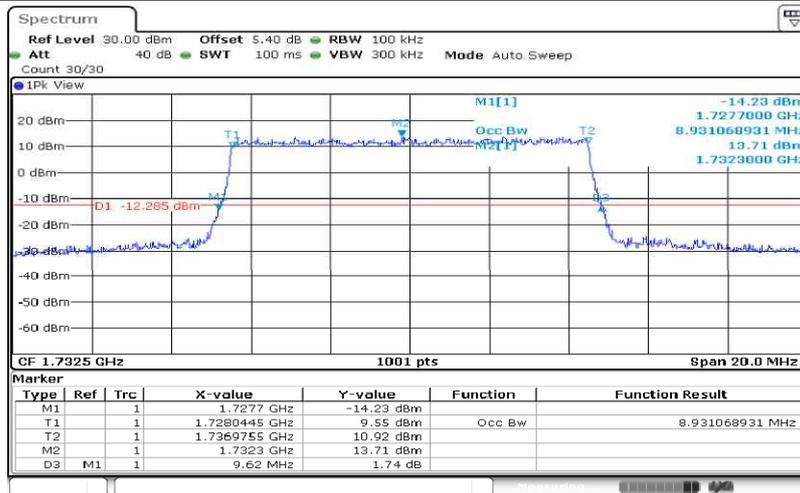


Band4-10MHz-QPSK-20000-50RB#0-8.971



Date: 3 JUN 2020 14:48:00

Band4-10MHz-QPSK-20175-50RB#0-8.931



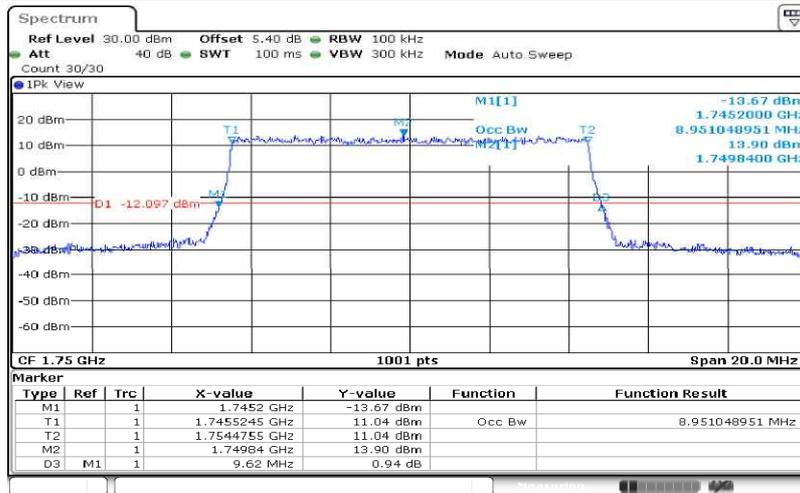
Date: 3 JUN 2020 14:48:26



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.

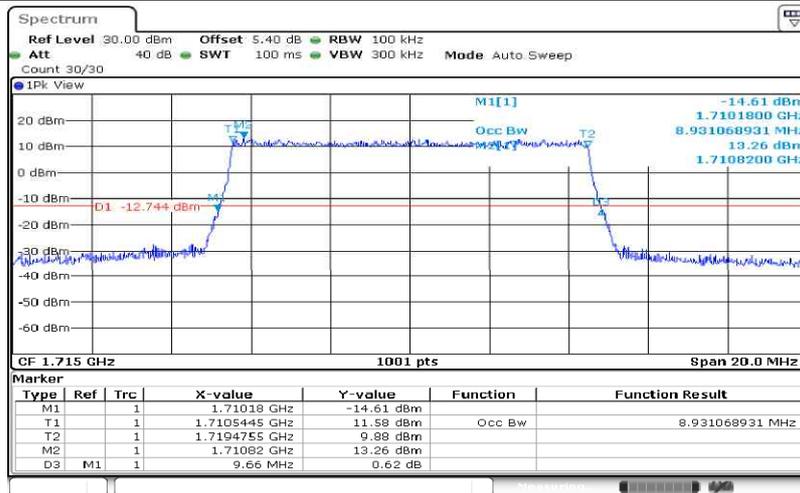


Band4-10MHz-QPSK-20350-50RB#0-8.951



Date: 3 JUN 2020 14:48:52

Band4-10MHz-16QAM-20000-50RB#0-8.931



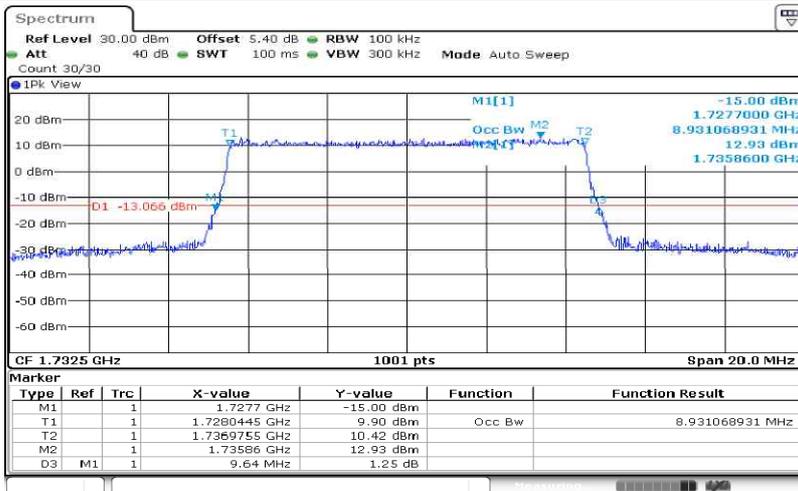
Date: 3 JUN 2020 14:48:13



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.

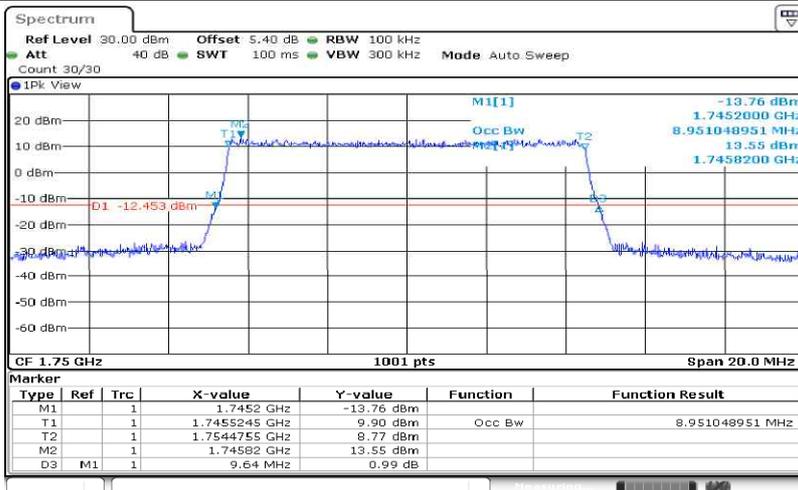


Band4-10MHz-16QAM-20175-50RB#0-8.931



Date: 3 JUN 2020 14:48:39

Band4-10MHz-16QAM-20350-50RB#0-8.951



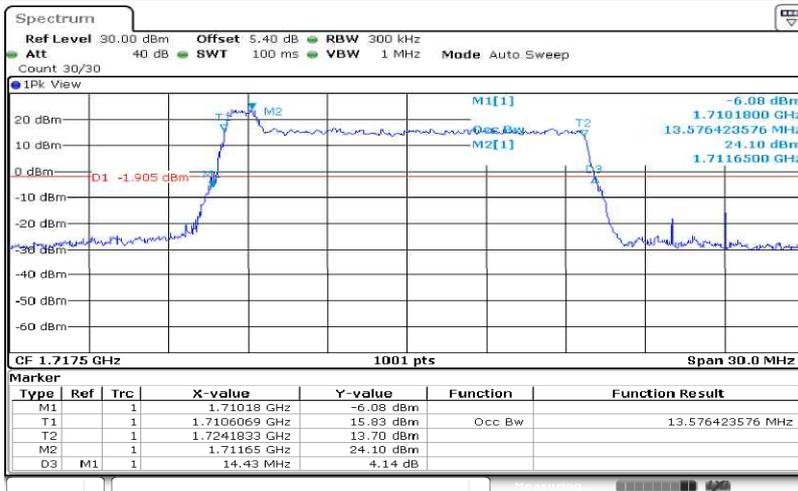
Date: 3 JUN 2020 14:49:05



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.

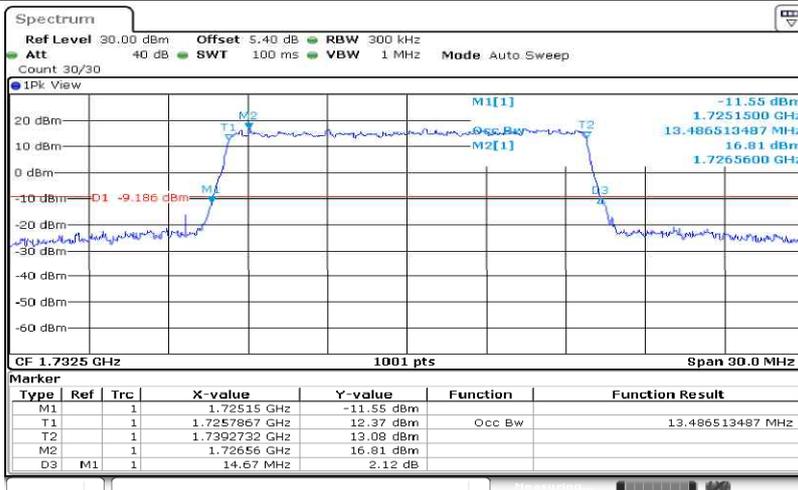


Band4-15MHz-QPSK-20025-75RB#0-13.576



Date: 3 JUN 2020 14:49:23

Band4-15MHz-QPSK-20175-75RB#0-13.487

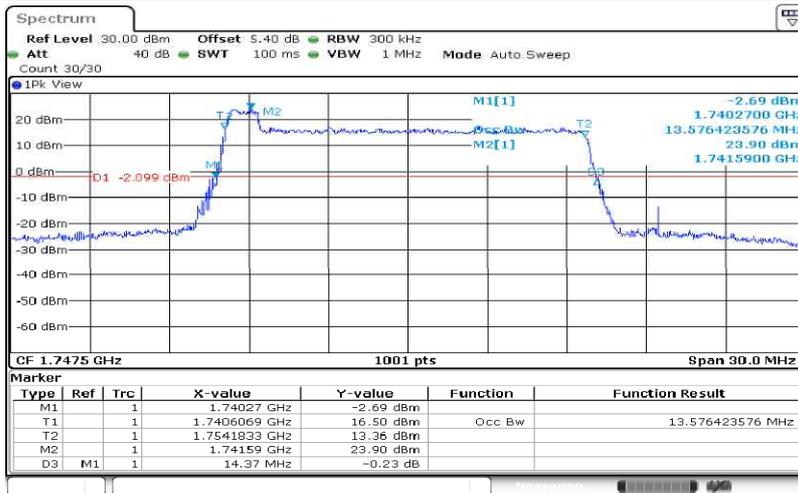


Date: 3 JUN 2020 14:49:49



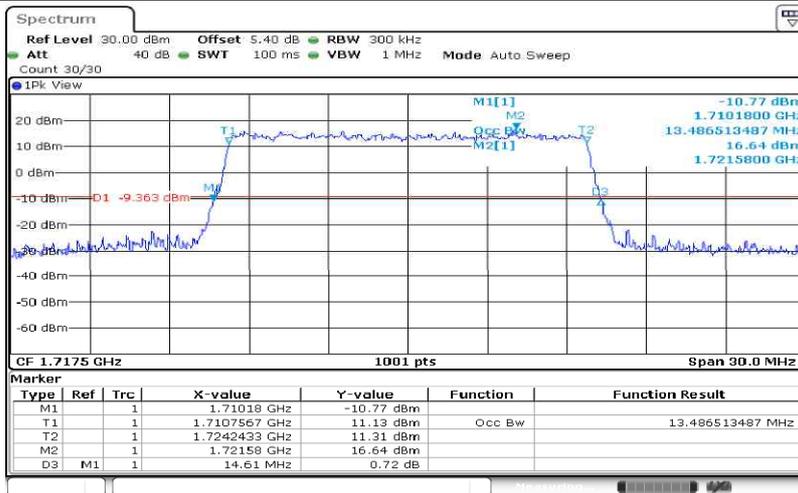
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band4-15MHz-QPSK-20325-75RB#0-13.576



Date: 3 JUN 2020 14:50:15

Band4-15MHz-16QAM-20025-75RB#0-13.487



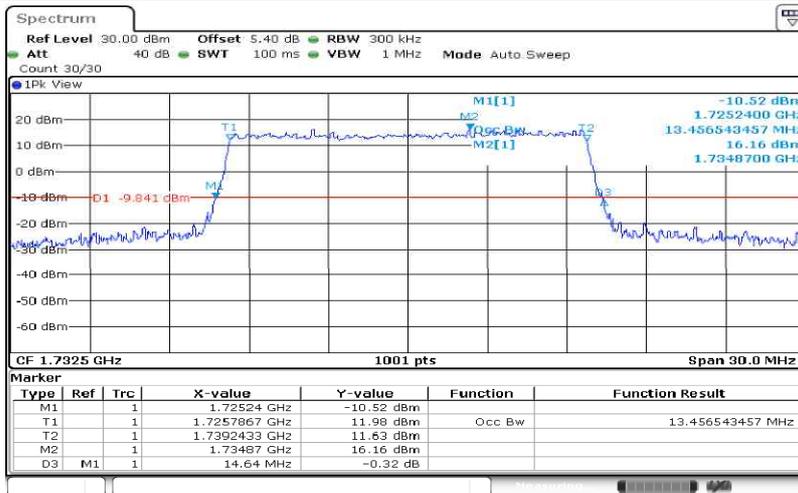
Date: 3 JUN 2020 14:49:36



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.

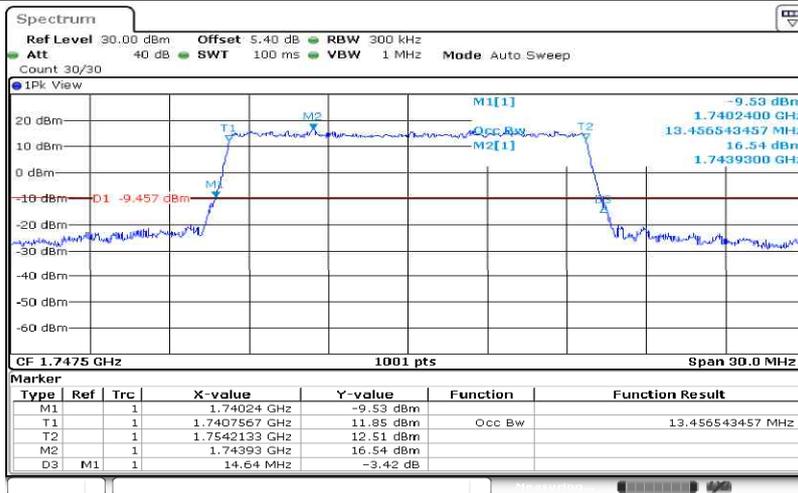


Band4-15MHz-16QAM-20175-75RB#0-13.457



Date: 3 JUN 2020 14:50:02

Band4-15MHz-16QAM-20325-75RB#0-13.457



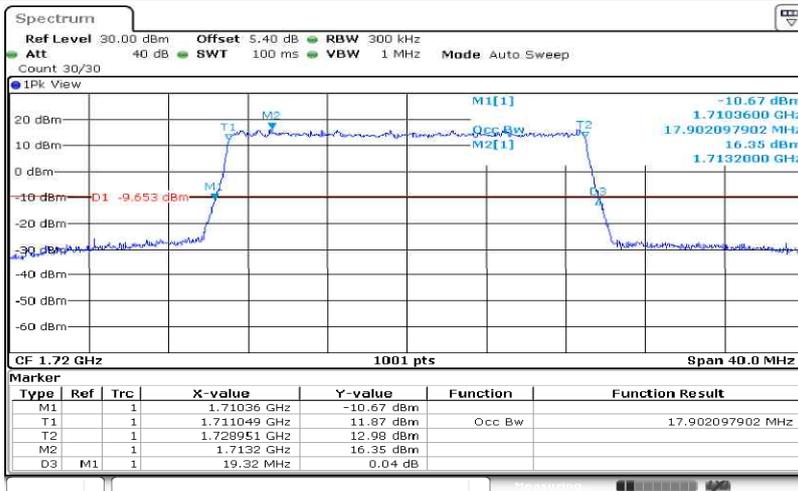
Date: 3 JUN 2020 14:50:28



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.

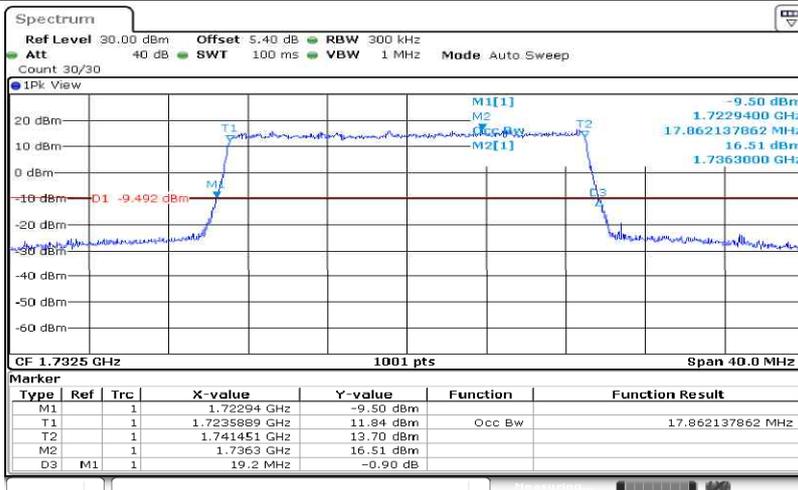


Band4-20MHz-QPSK-20050-100RB#0-17.902



Date: 3 JUN 2020 14:50:47

Band4-20MHz-QPSK-20175-100RB#0-17.862



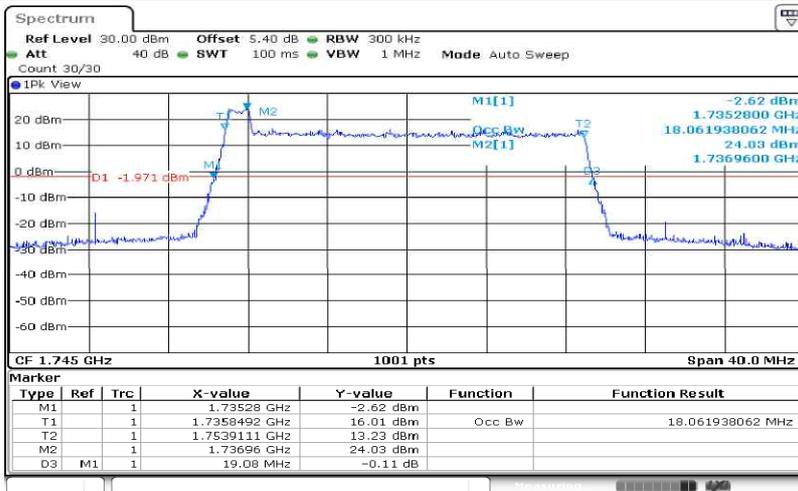
Date: 3 JUN 2020 14:51:12



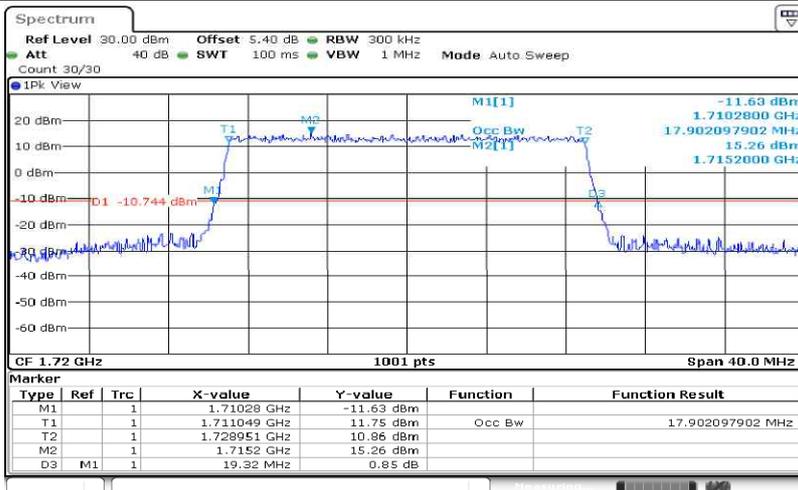
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band4-20MHz-QPSK-20300-100RB#0-18.062



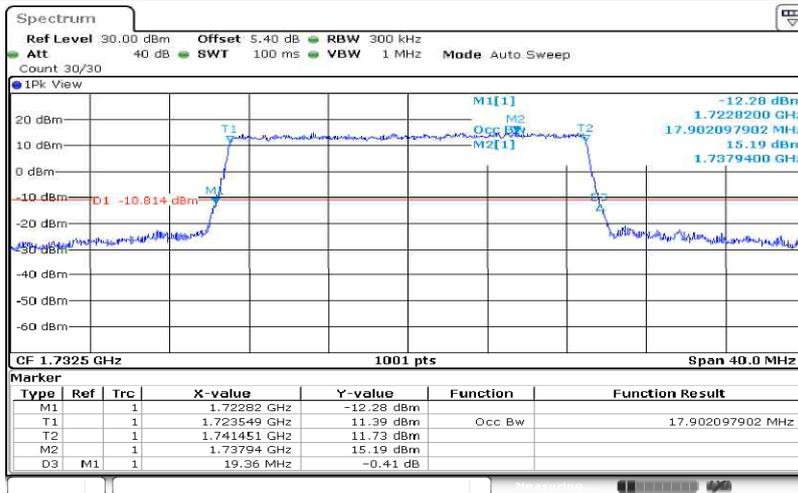
Band4-20MHz-16QAM-20050-100RB#0-17.902



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

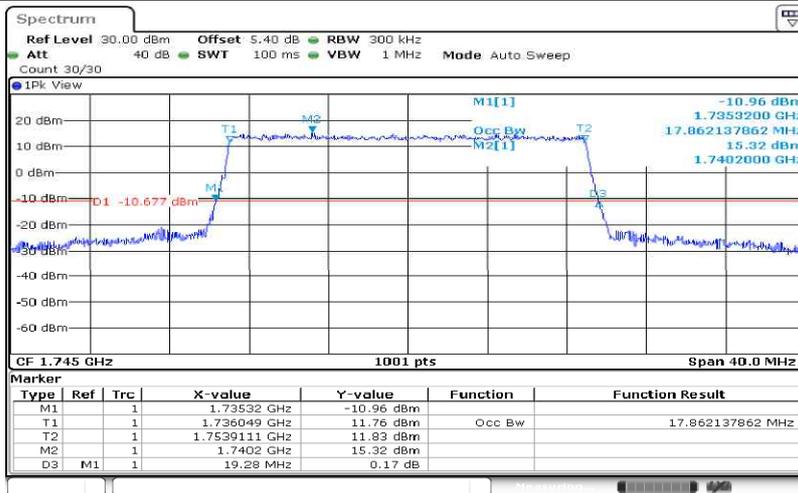


Band4-20MHz-16QAM-20175-100RB#0-17.902



Date: 3 JUN 2020 14:51:25

Band4-20MHz-16QAM-20300-100RB#0-17.862



Date: 3 JUN 2020 14:51:51

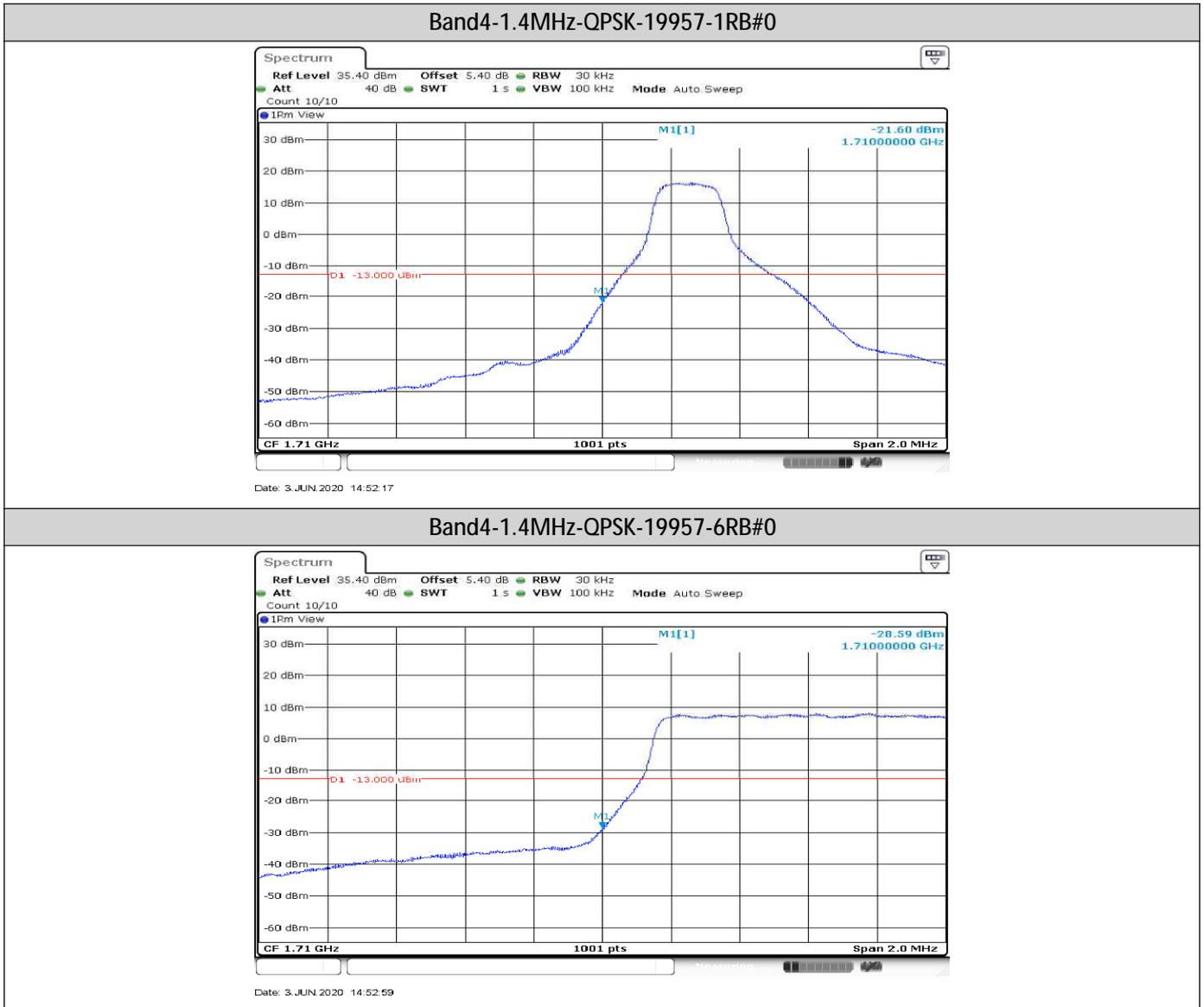


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



5. Band Edge Compliance

5.1. Test Plots

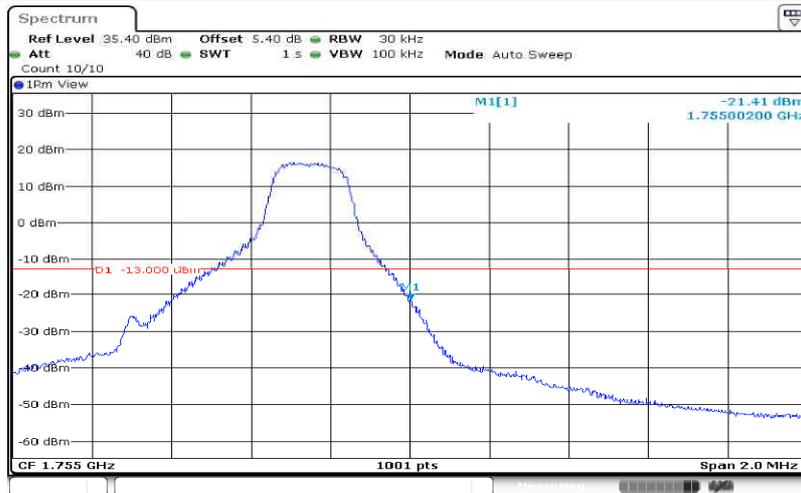


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Band4-1.4MHz-QPSK-20393-1RB#5



Date: 3 JUN 2020 14:53:44

Band4-1.4MHz-QPSK-20393-6RB#0



Date: 3 JUN 2020 14:54:25



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



Band4-1.4MHz-16QAM-19957-1RB#0



Date: 3 JUN 2020 14:52:38

Band4-1.4MHz-16QAM-19957-6RB#0



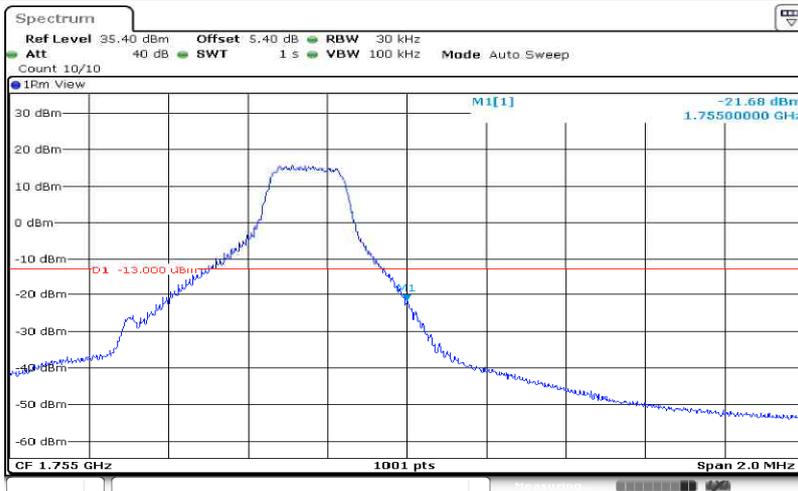
Date: 3 JUN 2020 14:53:19



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



Band4-1.4MHz-16QAM-20393-1RB#5



Date: 3 JUN 2020 14:54:05

Band4-1.4MHz-16QAM-20393-6RB#0



Date: 3 JUN 2020 14:54:46



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



Band4-3MHz-QPSK-19965-1RB#0



Date: 3 JUN 2020 14:55:13

Band4-3MHz-QPSK-19965-15RB#0



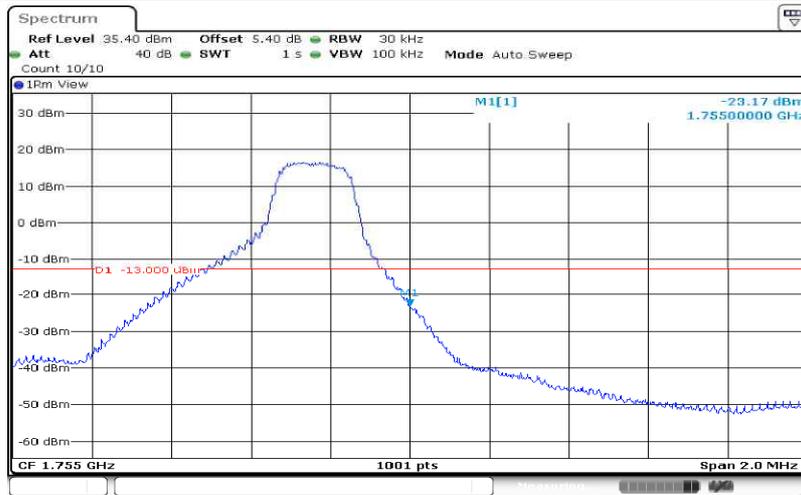
Date: 3 JUN 2020 14:55:54



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



Band4-3MHz-QPSK-20385-1RB#14



Date: 3 JUN 2020 14:56:40

Band4-3MHz-QPSK-20385-15RB#0



Date: 3 JUN 2020 14:57:21



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



Band4-3MHz-16QAM-19965-1RB#0



Date: 3 JUN 2020 14:55:34

Band4-3MHz-16QAM-19965-15RB#0



Date: 3 JUN 2020 14:56:15



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



Band4-5MHz-QPSK-19975-1RB#0



Date: 3 JUN 2020 14:58:07

Band4-5MHz-QPSK-19975-25RB#0



Date: 3 JUN 2020 14:58:49



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



Band4-5MHz-16QAM-19975-1RB#0



Date: 3 JUN 2020 14:58:28

Band4-5MHz-16QAM-19975-25RB#0



Date: 3 JUN 2020 14:59:09



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



Band4-5MHz-16QAM-20375-1RB#24



Date: 3 JUN 2020 14:59:55

Band4-5MHz-16QAM-20375-25RB#0



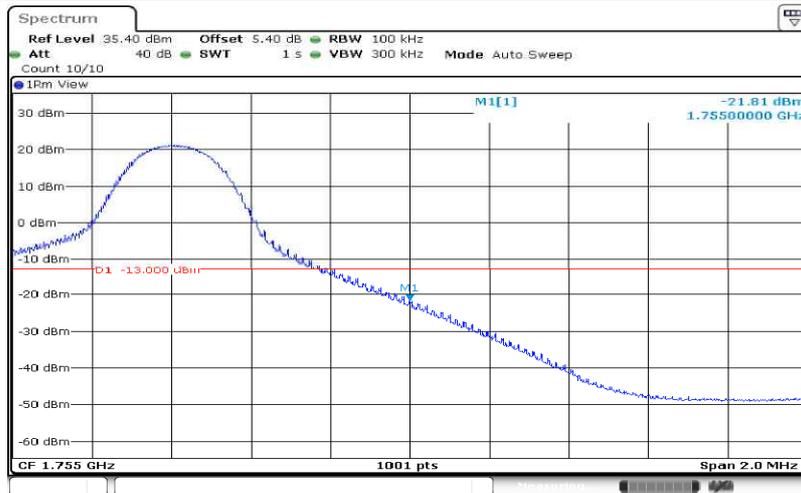
Date: 3 JUN 2020 15:00:36



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



Band4-10MHz-QPSK-20350-1RB#49



Date: 3 JUN 2020 15:02:29

Band4-10MHz-QPSK-20350-50RB#0



Date: 3 JUN 2020 15:03:11



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



Band4-10MHz-16QAM-20350-1RB#49



Date: 3 JUN 2020 15:02:50

Band4-10MHz-16QAM-20350-50RB#0



Date: 3 JUN 2020 15:03:31



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



Band4-15MHz-QPSK-20325-1RB#74



Date: 3 JUN 2020 15:05:25

Band4-15MHz-QPSK-20325-75RB#0



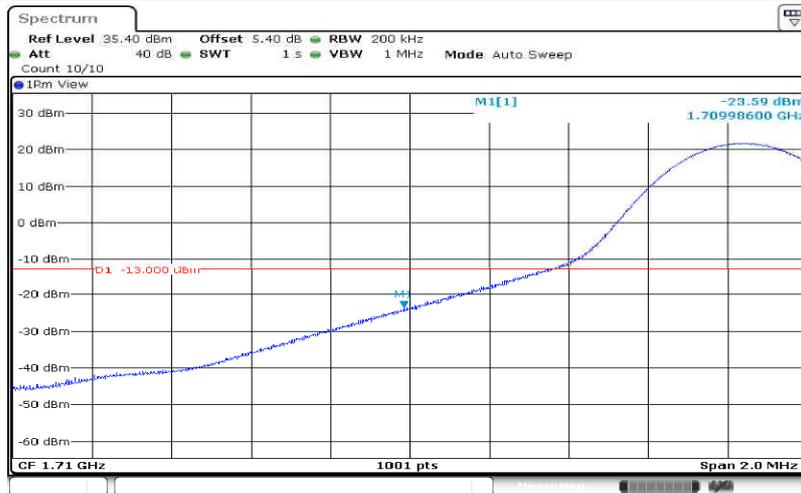
Date: 3 JUN 2020 15:06:06



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



Band4-15MHz-16QAM-20025-1RB#0



Date: 3 JUN 2020 15:04:18

Band4-15MHz-16QAM-20025-75RB#0



Date: 3 JUN 2020 15:05:00



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.



Band4-15MHz-16QAM-20325-1RB#74



Date: 3 JUN 2020 15:05:46

Band4-15MHz-16QAM-20325-75RB#0



Date: 3 JUN 2020 15:06:27



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



Band4-20MHz-QPSK-20050-1RB#0



Date: 3 JUN 2020 15:06:53

Band4-20MHz-QPSK-20050-100RB#0



Date: 3 JUN 2020 15:07:35



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



Band4-20MHz-QPSK-20300-1RB#99



Date: 3 JUN 2020 15:08:20

Band4-20MHz-QPSK-20300-100RB#0



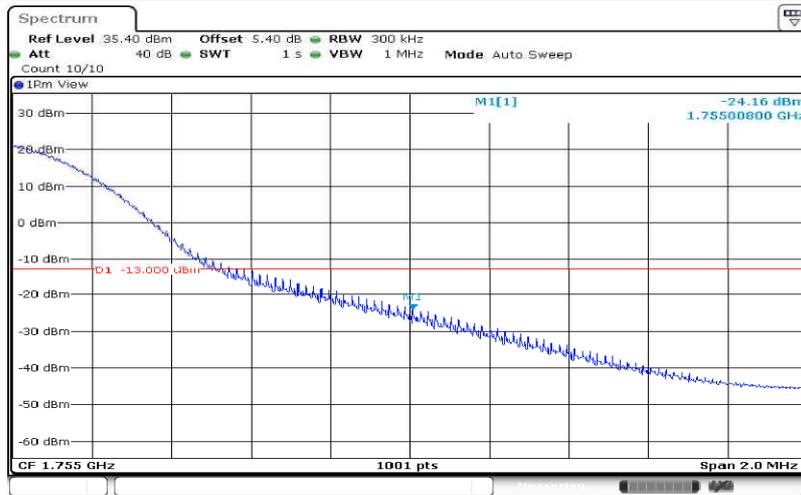
Date: 3 JUN 2020 15:09:01



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.



Band4-20MHz-16QAM-20300-1RB#99



Date: 3 JUN 2020 15:08:40

Band4-20MHz-16QAM-20300-100RB#0



Date: 3 JUN 2020 15:09:22



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

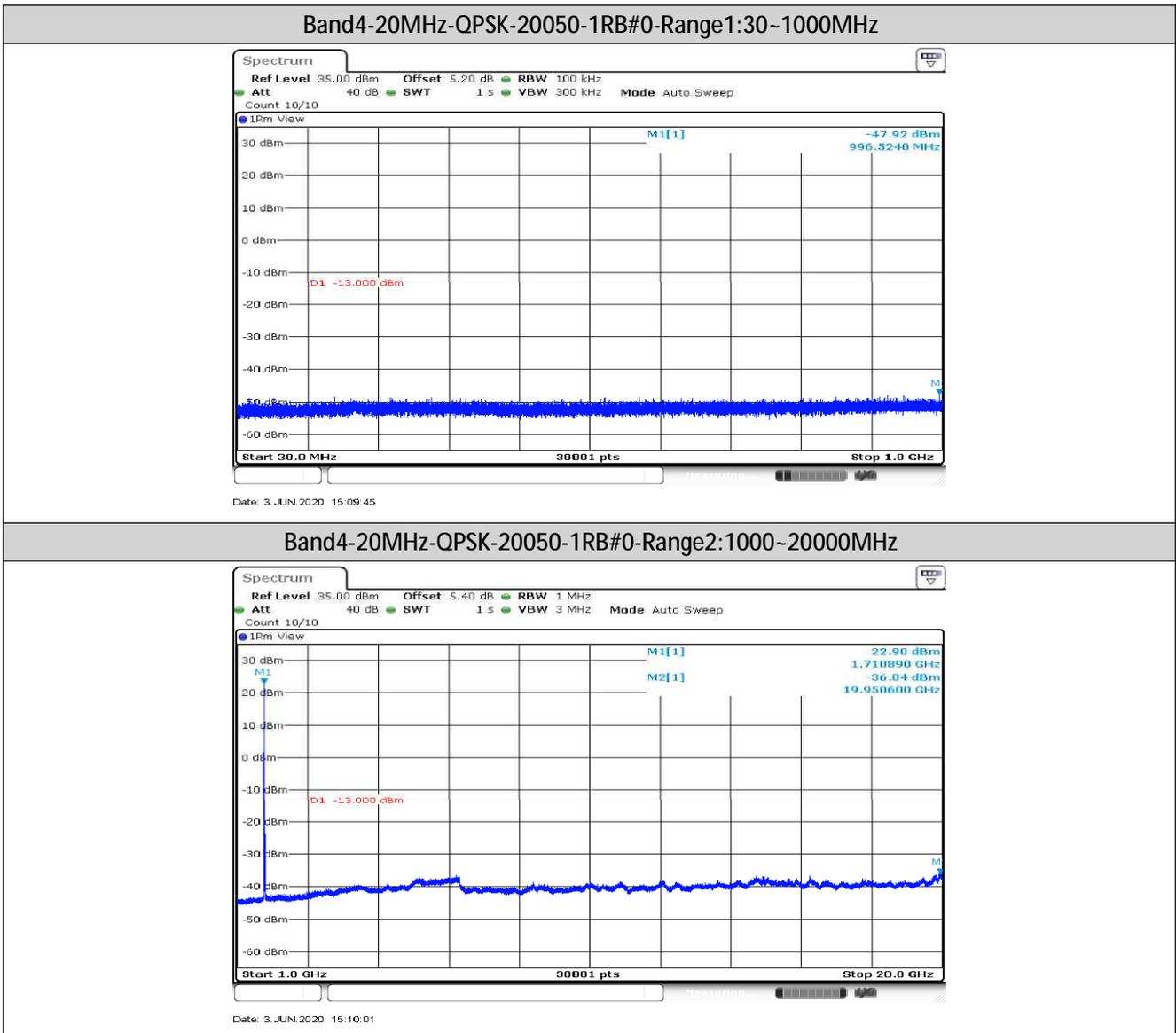


6. Spurious Emission at Antenna Terminal

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

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

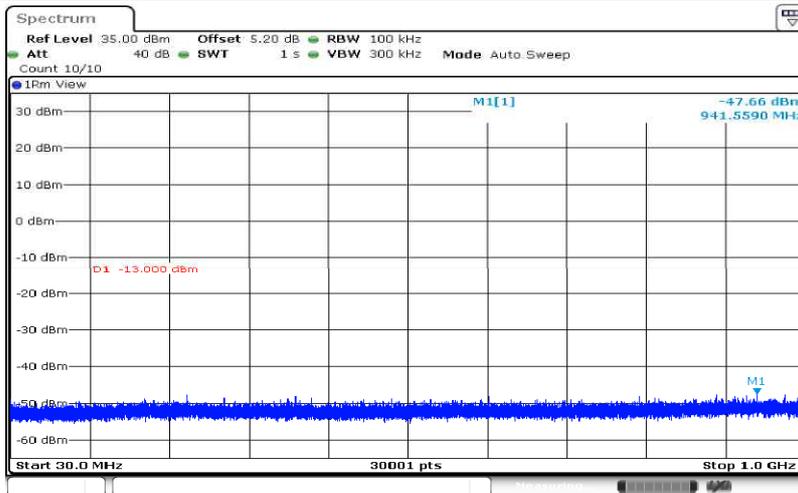
6.1. Test Plots



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

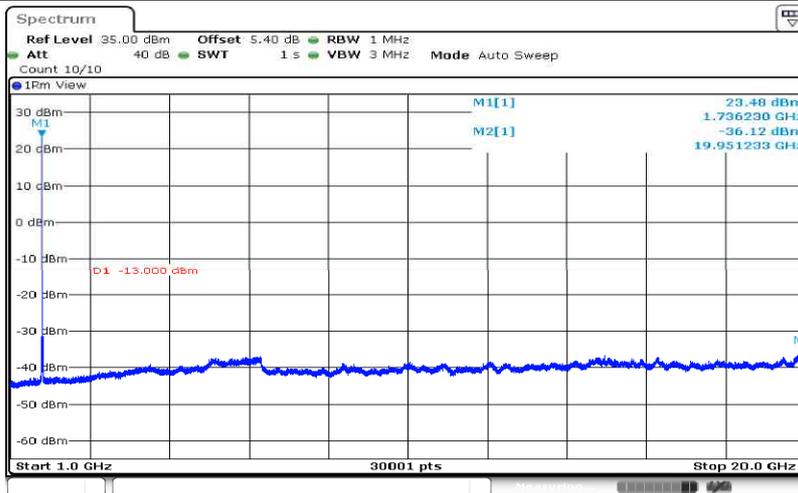


Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 15:12:06

Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



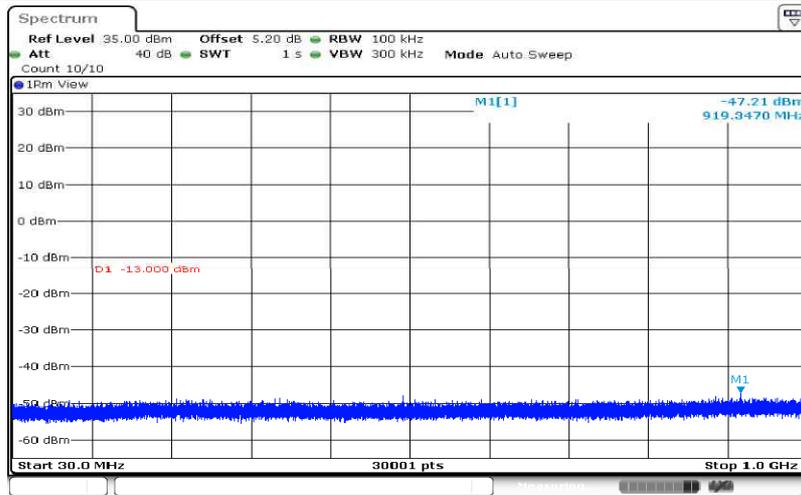
Date: 3 JUN 2020 15:12:22



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

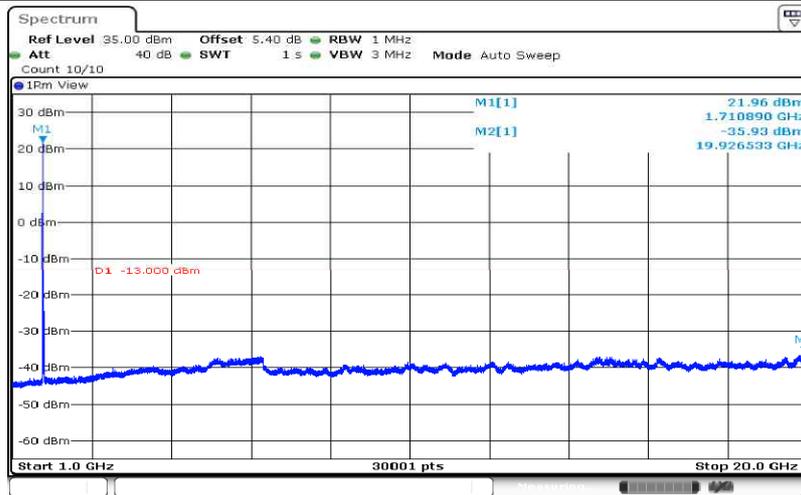


Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 15:10:20

Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



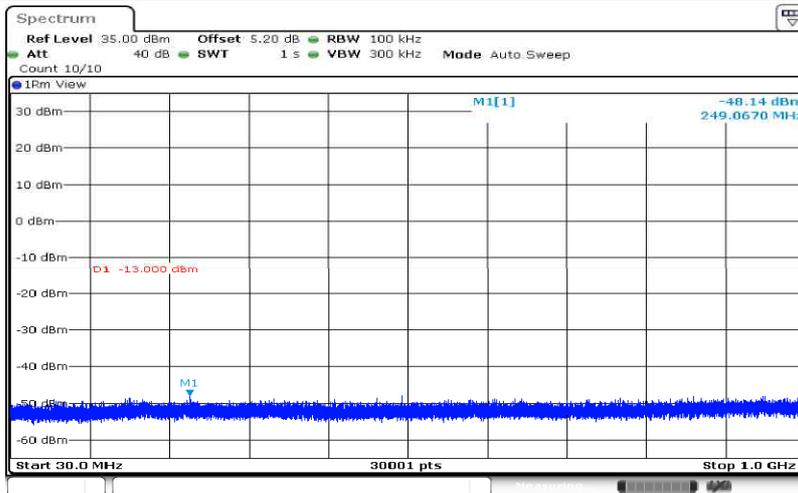
Date: 3 JUN 2020 15:10:36



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.

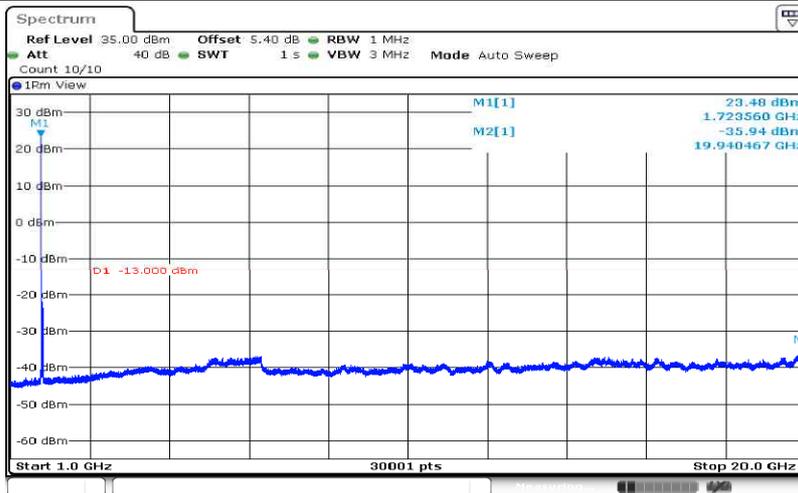


Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 15:11:30

Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 3 JUN 2020 15:11:47



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



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.7266	-65.03	-13.00	52.03	Vertical
603.2017	-63.82	-13.00	50.82	Vertical
2701.1402	-36.73	-13.00	23.73	Vertical
7426.1475	-56.28	-13.00	43.28	Vertical
14474.3825	-47.93	-13.00	34.93	Vertical
17998.5000	-40.75	-13.00	27.75	Vertical
42.7561	-65.19	-13.00	52.19	Horizontal
231.2851	-68.65	-13.00	55.65	Horizontal
2698.7397	-35.57	-13.00	22.57	Horizontal
3457.5153	-60.19	-13.00	47.19	Horizontal
9350.7117	-53.21	-13.00	40.21	Horizontal
16377.4459	-44.18	-13.00	31.18	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.6224	-65.61	-13.00	52.61	Vertical
724.7487	-63.77	-13.00	50.77	Vertical
2576.7153	-36.02	-13.00	23.02	Vertical
7381.1460	-55.86	-13.00	42.86	Vertical
14490.8830	-47.80	-13.00	34.80	Vertical
17998.5000	-40.56	-13.00	27.56	Vertical
42.1256	-64.92	-13.00	51.92	Horizontal
91.6951	-75.70	-13.00	62.70	Horizontal
231.2366	-69.19	-13.00	56.19	Horizontal
2695.5391	-35.75	-13.00	22.75	Horizontal
9307.7103	-53.23	-13.00	40.23	Horizontal
16390.9464	-43.97	-13.00	30.97	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



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.9805	-65.06	-13.00	52.06	Vertical
633.1762	-64.59	-13.00	51.59	Vertical
2711.1422	-36.79	-13.00	23.79	Vertical
7351.6451	-55.96	-13.00	42.96	Vertical
10668.7556	-51.95	-13.00	38.95	Vertical
14491.8831	-47.70	-13.00	34.70	Vertical
41.8346	-64.83	-13.00	51.83	Horizontal
231.9641	-69.23	-13.00	56.23	Horizontal
2698.7397	-35.53	-13.00	22.53	Horizontal
3631.0210	-61.09	-13.00	48.09	Horizontal
7455.1485	-56.77	-13.00	43.77	Horizontal
16366.4455	-43.84	-13.00	30.84	Horizontal

Remark:

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



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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-1.00	-0.000581	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-12.20	-0.007093	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.60	0.000930	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-1.50	-0.000866	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-7.30	-0.004214	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-5.80	-0.003348	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-5.10	-0.002923	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-4.30	-0.002464	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-1.80	-0.001047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-9.10	-0.005291	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-5.20	-0.003023	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-10.60	-0.006118	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-5.30	-0.003059	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-5.30	-0.003059	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-8.20	-0.004699	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-9.20	-0.005272	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.50	-0.002579	±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
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-3.40	-0.001977	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-2.10	-0.001221	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-6.50	-0.003779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-5.50	-0.003198	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-2.00	-0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-10.50	-0.006105	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-11.90	-0.006919	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-6.50	-0.003752	±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.

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

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



Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-7.40	-0.004271	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-1.40	-0.000808	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-6.30	-0.003636	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-6.00	-0.003463	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-4.80	-0.002771	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.30	-0.000750	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	1.60	0.000917	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-7.80	-0.004470	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-0.90	-0.000516	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-7.00	-0.004011	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-5.40	-0.003095	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-11.40	-0.006533	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-5.50	-0.003152	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-8.70	-0.005058	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-6.90	-0.004012	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-4.90	-0.002849	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-4.80	-0.002791	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-5.60	-0.003256	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-4.70	-0.002733	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	-9.20	-0.005349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	0.60	0.000349	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-1.80	-0.001039	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-7.10	-0.004098	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-3.40	-0.001962	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-5.90	-0.003405	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-2.60	-0.001501	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-5.90	-0.003405	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-5.40	-0.003095	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-10.40	-0.006003	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-8.70	-0.004986	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-8.30	-0.004756	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-9.70	-0.005559	±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



Band4	20MHz	16QAM	20300	100RB#0	NV	50	-2.80	-0.001605	±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-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.