



Appendix B.4

LTE 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Effective (Isotropic) Radiated Power Output Data

Test Result

Ant13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.45	23.24	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.43	23.22	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.27	23.06	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.42	22.21	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.33	23.12	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.31	23.1	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.28	23.07	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.43	22.22	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.02	22.81	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.98	22.77	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.11	22.9	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.12	21.91	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.78	22.57	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.78	22.57	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.76	22.55	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.56	21.35	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.51	22.3	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.71	22.5	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.79	22.58	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.57	21.36	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.34	22.13	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.52	22.31	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.51	22.3	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.14	20.93	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.07	21.86	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.15	21.94	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	22.14	21.93	30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.92	20.71	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.2	21.99	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.23	22.02	30	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4	1.4MHz	64QAM	20175	1RB#5	22.14	21.93	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.04	20.83	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.15	21.94	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.1	21.89	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.12	21.91	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.75	20.54	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.44	23.23	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.42	23.21	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.35	23.14	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.58	22.37	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.41	23.2	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.35	23.14	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.3	23.09	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.46	22.25	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.2	22.99	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.16	22.95	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.11	22.9	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.17	21.96	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.72	22.51	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.04	22.83	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.59	22.38	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.56	21.35	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.67	22.46	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.63	22.42	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.79	22.58	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.44	21.23	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.79	22.58	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.67	22.46	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.57	22.36	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.32	21.11	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.27	22.06	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.24	22.03	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	22.12	21.91	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.98	20.77	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.26	22.05	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.17	21.96	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.19	21.98	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.09	20.88	30	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4	3MHz	64QAM	20385	1RB#0	22.25	22.04	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.97	21.76	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.13	21.92	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.94	20.73	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.7	23.49	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.46	23.25	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.45	23.24	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.48	22.27	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.5	23.29	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.34	23.13	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.38	23.17	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.53	22.32	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.37	23.16	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.24	23.03	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.14	22.93	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.24	22.03	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.88	22.67	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.69	22.48	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.65	22.44	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.71	21.5	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.99	22.78	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.57	22.36	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.9	22.69	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.46	21.25	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.6	22.39	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.56	22.35	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.65	22.44	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.26	21.05	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.1	21.89	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.99	21.78	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.08	21.87	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.13	20.92	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.33	22.12	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.12	21.91	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.29	22.08	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	21.14	20.93	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.27	22.06	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	22.19	21.98	30	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4	5MHz	64QAM	20375	1RB#24	22.08	21.87	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.13	20.92	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.28	24.07	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.87	23.66	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.41	24.2	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.03	22.82	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.22	24.01	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.16	23.95	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.32	24.11	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.14	22.93	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.31	24.1	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.98	23.77	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.35	24.14	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23	22.79	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.25	23.04	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.16	22.95	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.55	23.34	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.06	21.85	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.69	23.48	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.4	23.19	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.45	23.24	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.17	21.96	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.49	23.28	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.34	23.13	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.36	23.15	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.04	21.83	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.34	22.13	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.29	22.08	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.43	22.22	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.05	20.84	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.58	22.37	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.21	22	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.56	22.35	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.15	20.94	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.32	22.11	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.11	21.9	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.34	22.13	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.04	20.83	30	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4	15MHz	QPSK	20025	1RB#0	24.31	24.1	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.95	23.74	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.39	24.18	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.13	22.92	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.32	24.11	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.2	23.99	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.44	24.23	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.41	23.2	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.94	23.73	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.09	23.88	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.42	24.21	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.15	22.94	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.66	23.45	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.24	23.03	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.9	23.69	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.11	21.9	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.58	23.37	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.54	23.33	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.68	23.47	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.25	22.04	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.54	23.33	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.32	23.11	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.65	23.44	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.25	22.04	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.63	22.42	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.21	22	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	22.59	22.38	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	21.2	20.99	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.41	22.2	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.32	22.11	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.76	22.55	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.24	21.03	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.65	22.44	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.35	22.14	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.58	22.37	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.16	20.95	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.06	23.85	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.1	23.89	30	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4	20MHz	QPSK	20050	1RB#99	24.48	24.27	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.28	23.07	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.06	23.85	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.96	23.75	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.28	24.07	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.41	23.2	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	24	23.79	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.08	23.87	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.24	24.03	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.27	23.06	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.36	23.15	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.49	23.28	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.52	23.31	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.23	22.02	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.41	23.2	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.53	23.32	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.6	23.39	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.42	22.21	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.51	23.3	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.16	22.95	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.51	23.3	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.16	21.95	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.35	22.14	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.29	22.08	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.54	22.33	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.31	21.1	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.35	22.14	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.43	22.22	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	22.75	22.54	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.37	21.16	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.33	22.12	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.38	22.17	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	22.35	22.14	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.24	21.03	30	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.90	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.22	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.78	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.80	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.77	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.74	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.23	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.23	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.14	13	PASS

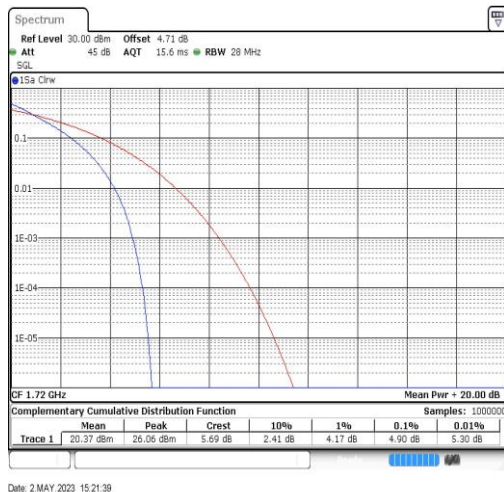


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

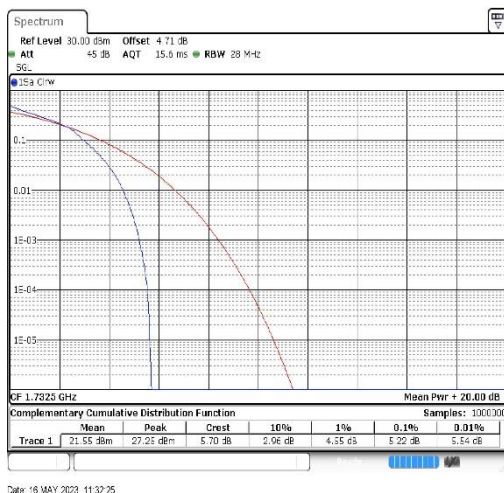
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Wireless Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Test Graphs



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



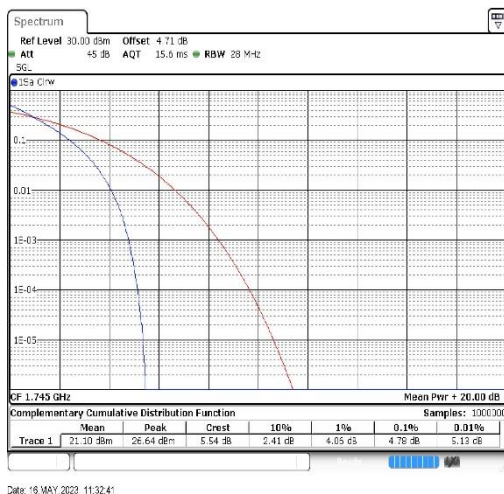
Band4-20MHz-QPSK-20175-100RB#0



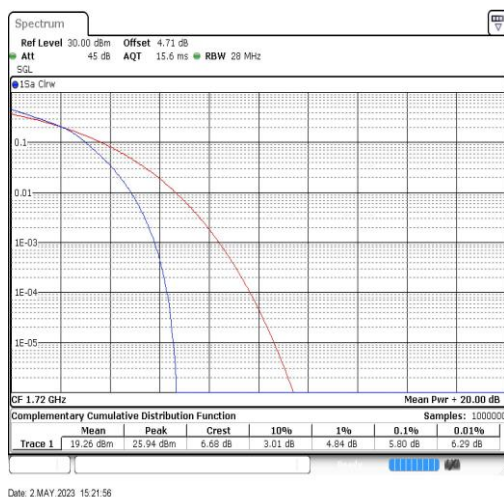
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

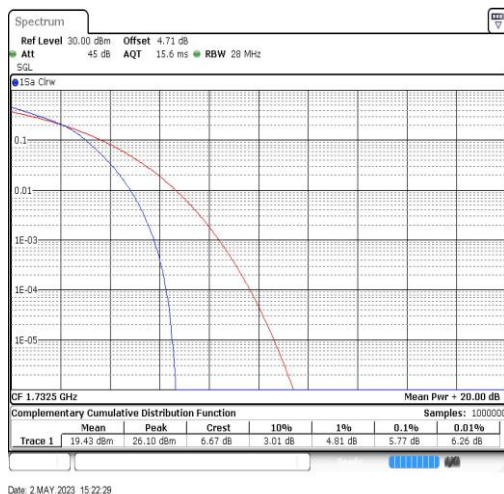
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

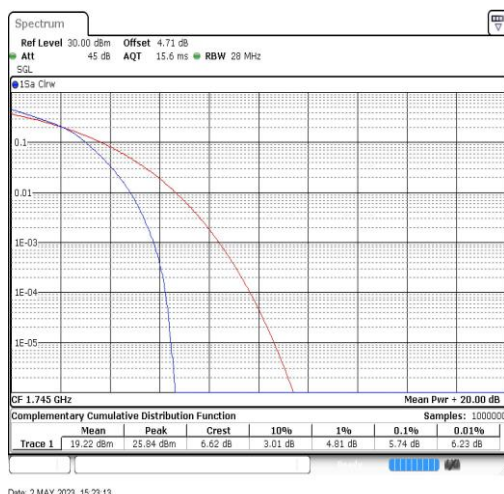


Band4-20MHz-16QAM-20050-100RB#0



Date: 2 MAY 2023 15:22:29

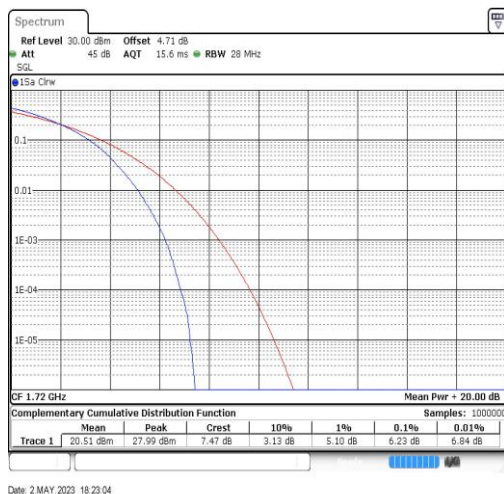
Band4-20MHz-16QAM-20175-100RB#0



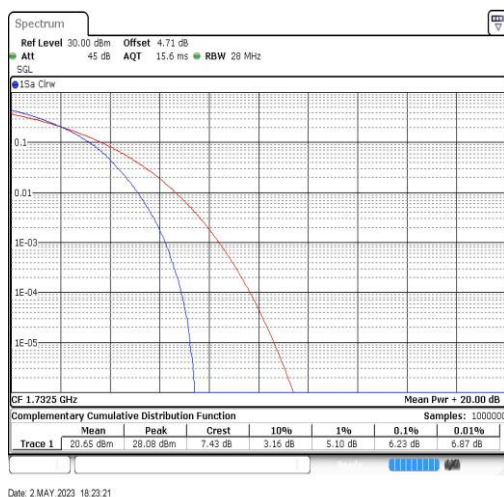
Date: 2 MAY 2023 15:23:13

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





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



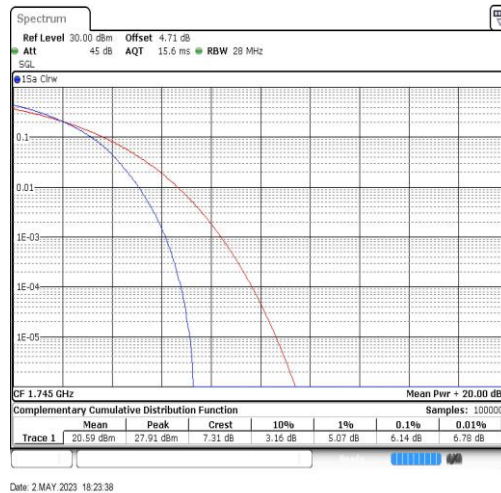
Band4-20MHz-64QAM-20175-100RB#0



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4-20MHz-64QAM-20300-100RB#0



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

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



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.088	1.28	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.28	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.088	1.28	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.097	1.30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.088	1.29	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.097	1.30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.29	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.091	1.29	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.30	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	2.95	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.685	2.96	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	2.96	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.691	2.98	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.98	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.98	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.697	2.94	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.96	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.96	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.466	4.90	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.91	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.87	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.466	4.92	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.466	4.94	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.466	4.94	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.80	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.92	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.466	4.92	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.70	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



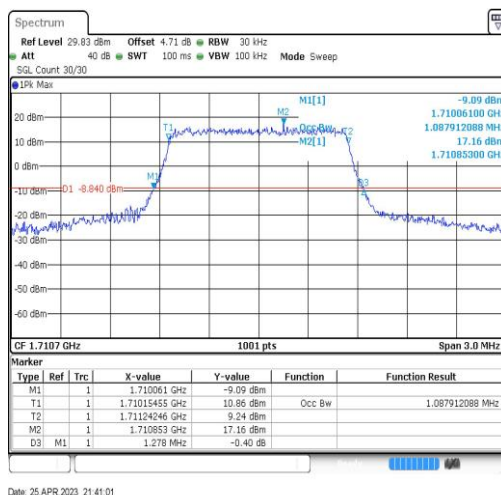
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.70	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.64	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.68	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.70	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.66	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.68	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.911	9.68	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.64	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	14.70	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.73	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.76	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.427	14.79	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.76	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.85	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.67	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.61	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.85	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.36	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.56	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.48	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.36	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.48	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.44	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.902	19.40	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.48	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.56	PASS



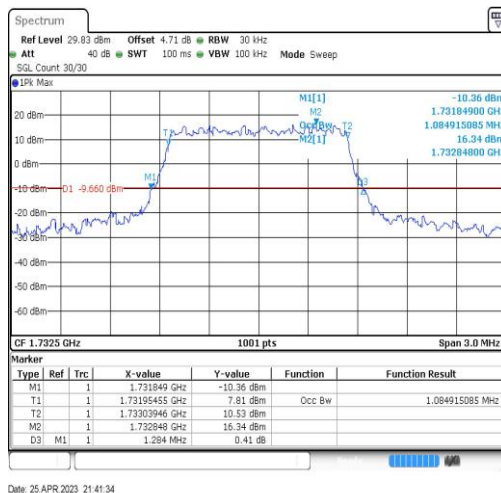
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Test Graphs



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



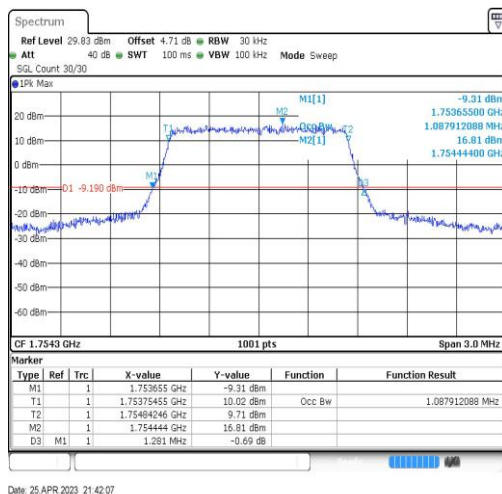
Band4-1.4MHz-QPSK-20175-6RB#0-1.085



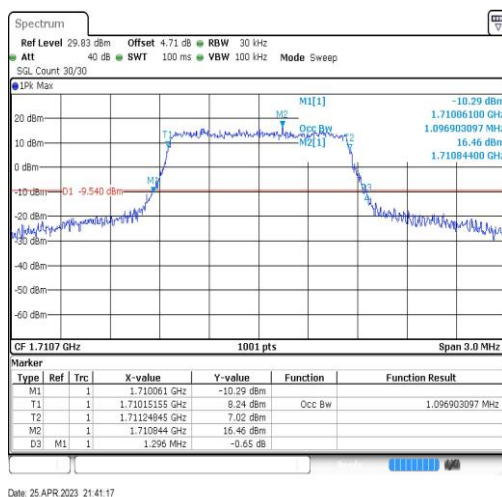
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

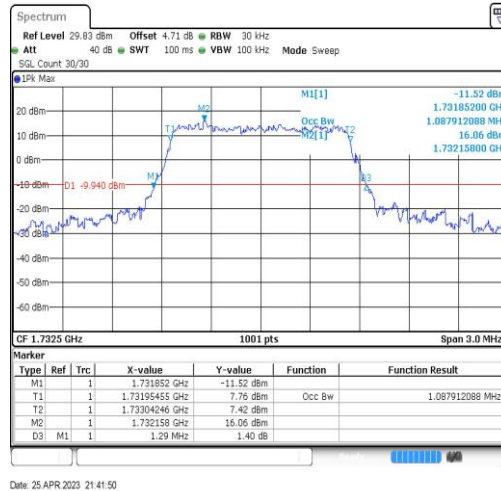
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

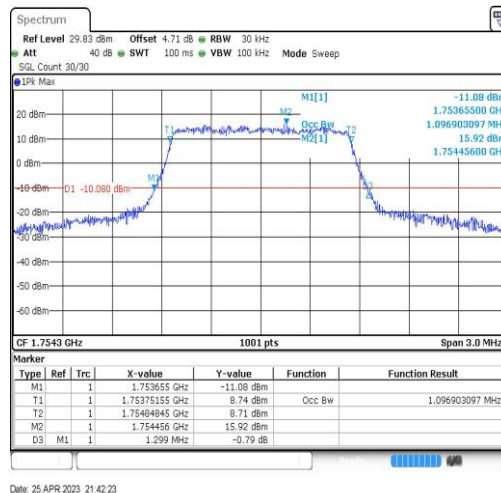


Band4-1.4MHz-16QAM-19957-6RB#0-1.097



Date: 25 APR 2023 21:41:50

Band4-1.4MHz-16QAM-20175-6RB#0-1.088



Date: 25 APR 2023 21:42:23

Band4-1.4MHz-16QAM-20393-6RB#0-1.097

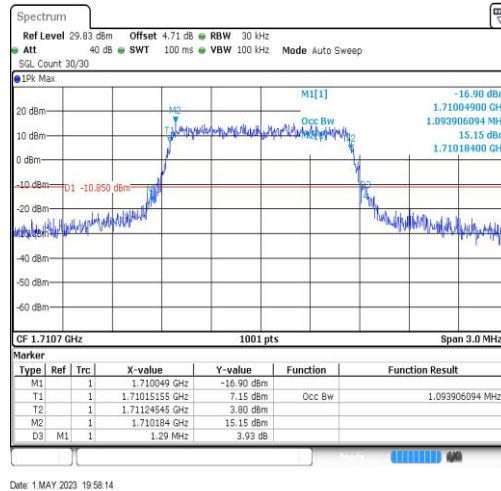


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

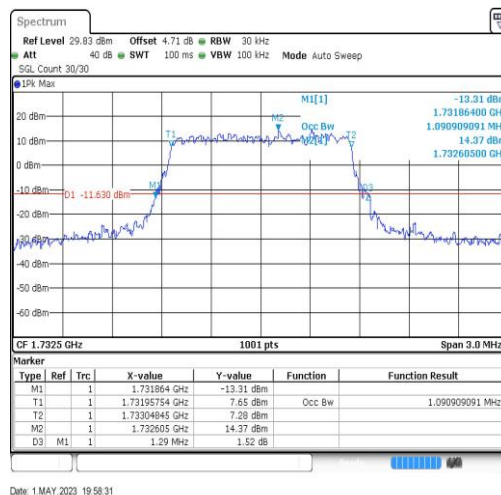
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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, Nanshan District, Shenzhen, Guangdong, China 518057
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

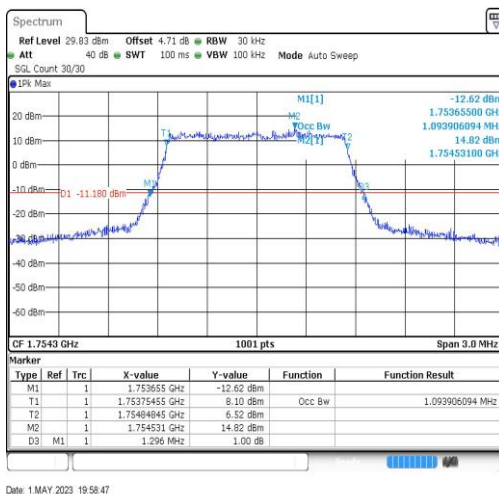
t (86-755) 26012053 www.sgsgroup.com.cn
t (86-755) 26012053 sgs.china@sgs.com



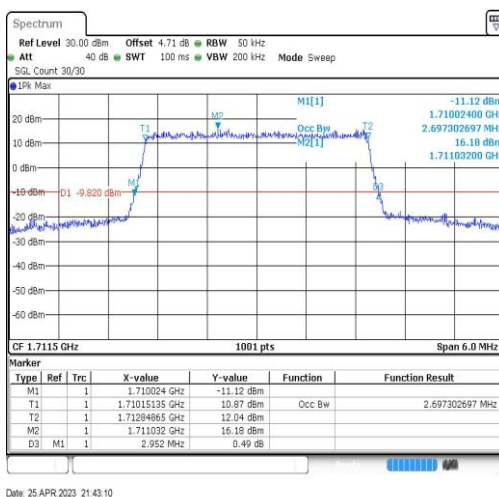
Band4-1.4MHz-64QAM-19957-6RB#0-1.094



Band4-1.4MHz-64QAM-20175-6RB#0-1.091



Band4-1.4MHz-64QAM-20393-6RB#0-1.094



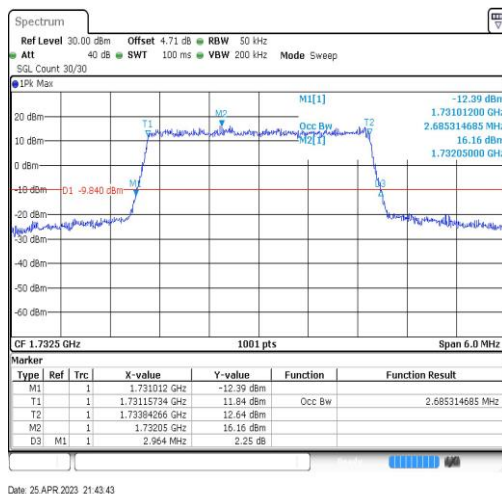
Band4-3MHz-QPSK-19965-15RB#0-2.697



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.

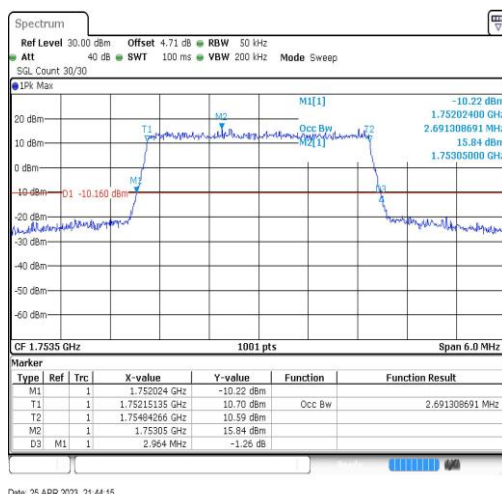
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Date: 25 APR 2023 21:43:43

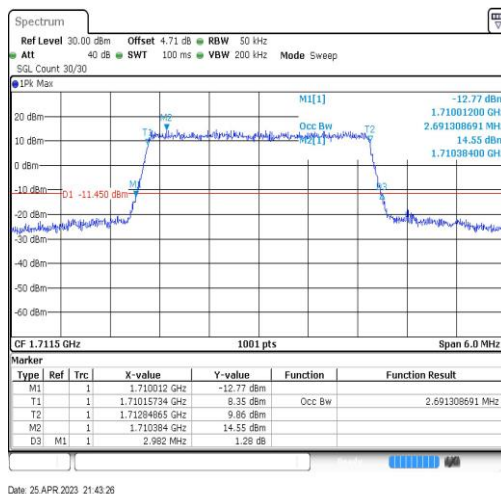
Band4-3MHz-QPSK-20175-15RB#0-2.685



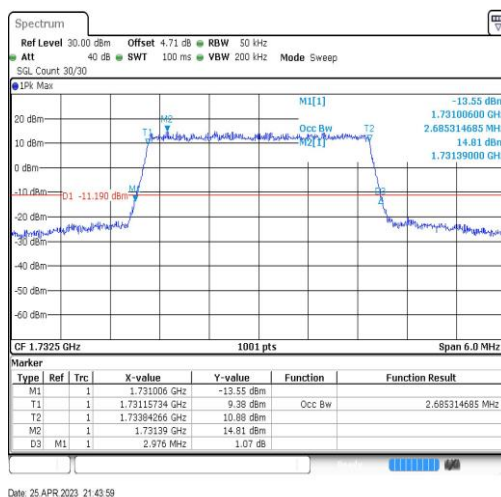
Date: 25 APR 2023 21:44:15

Band4-3MHz-QPSK-20385-15RB#0-2.691

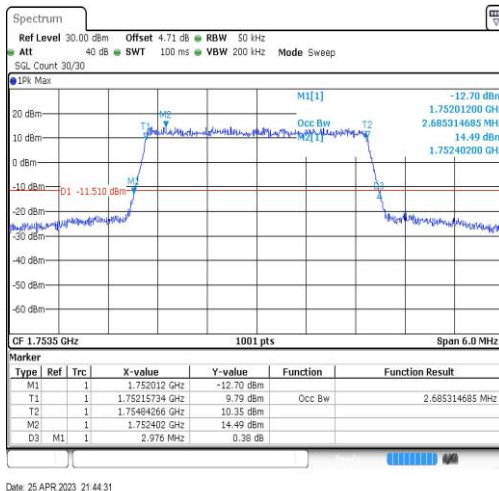




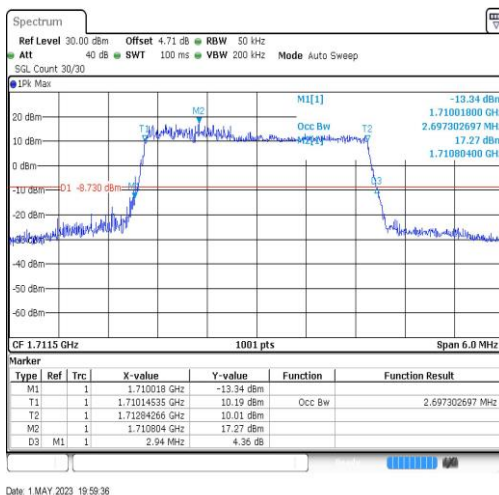
Band4-3MHz-16QAM-19965-15RB#0-2.691



Band4-3MHz-16QAM-20175-15RB#0-2.685



Band4-3MHz-16QAM-20385-15RB#0-2.685



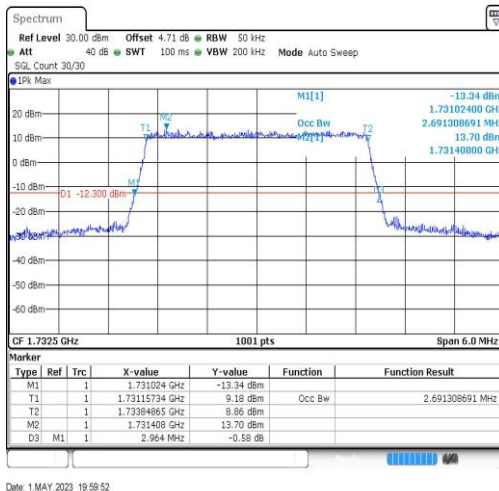
Band4-3MHz-64QAM-19965-15RB#0-2.697



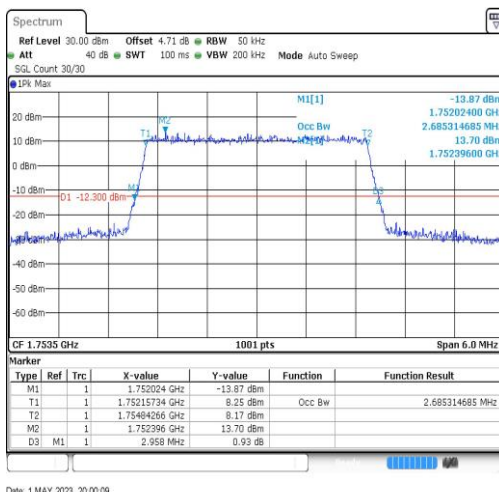
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

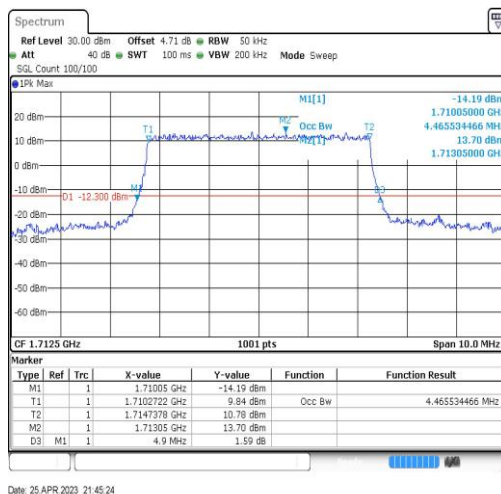
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



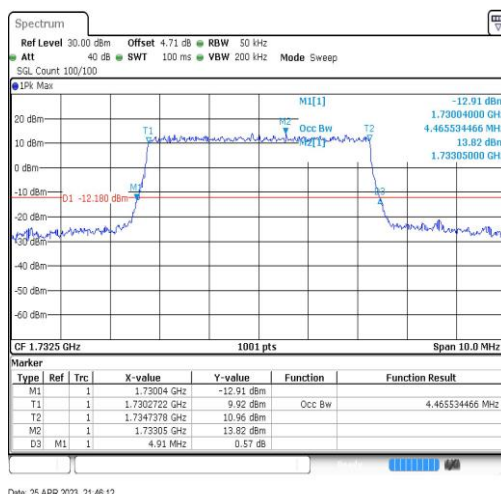
Band4-3MHz-64QAM-20175-15RB#0-2.691



Band4-3MHz-64QAM-20385-15RB#0-2.685



Band4-5MHz-QPSK-19975-25RB#0-4.466



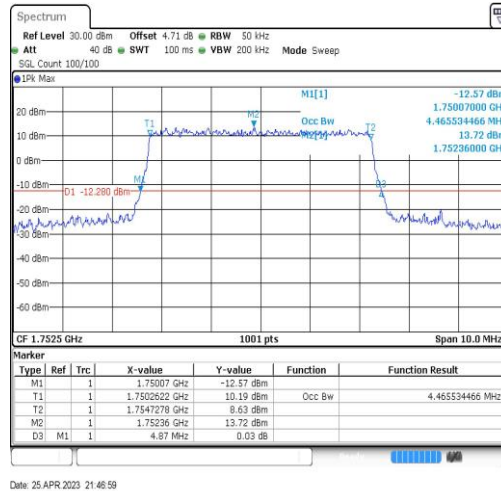
Band4-5MHz-QPSK-20175-25RB#0-4.466



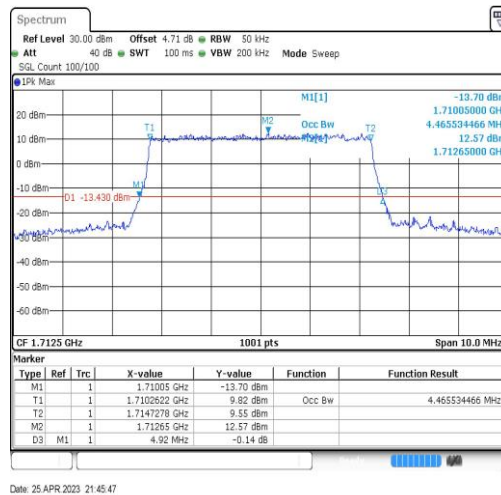
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

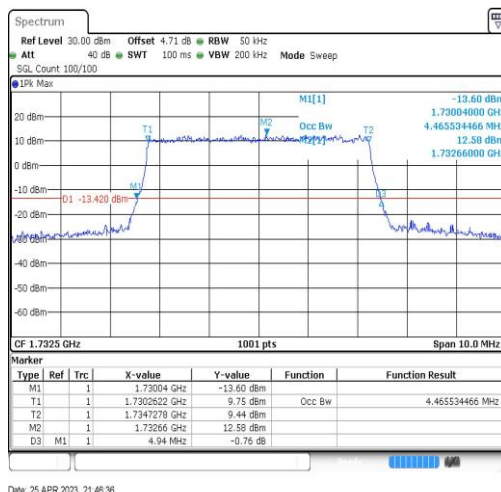
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4-5MHz-QPSK-20375-25RB#0-4.466

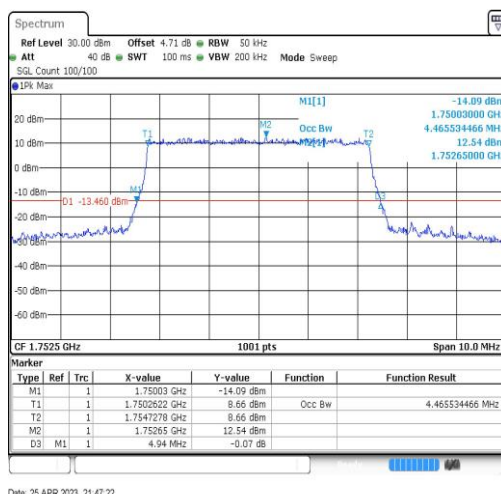


Band4-5MHz-16QAM-19975-25RB#0-4.466



Date: 25 APR 2023 21:48:36

Band4-5MHz-16QAM-20175-25RB#0-4.466



Date: 25 APR 2023 21:47:22

Band4-5MHz-16QAM-20375-25RB#0-4.466



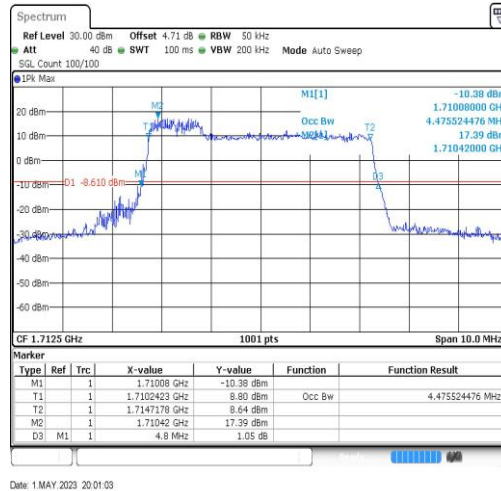
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

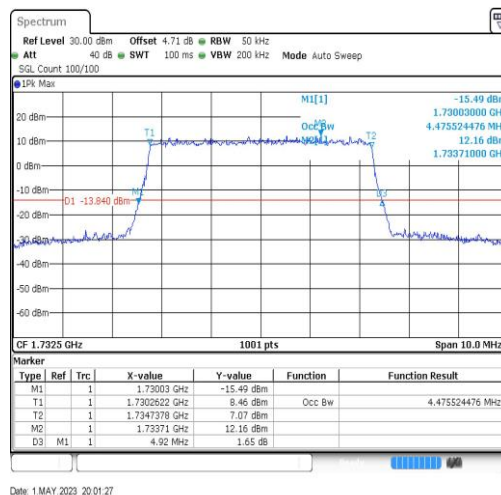
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

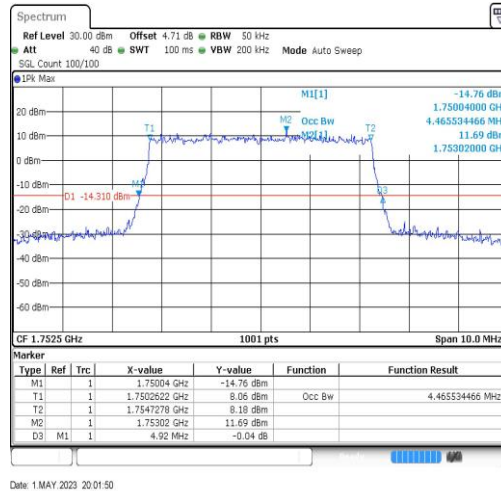
t (86-755) 26012053 www.sgsgroup.com.cn
t (86-755) 26012053 sgs.china@sgs.com



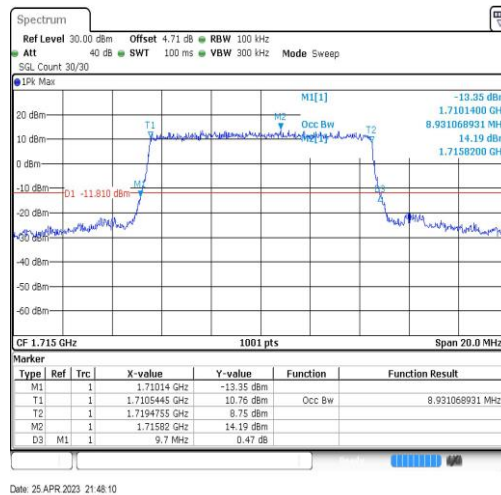
Band4-5MHz-64QAM-19975-25RB#0-4.476



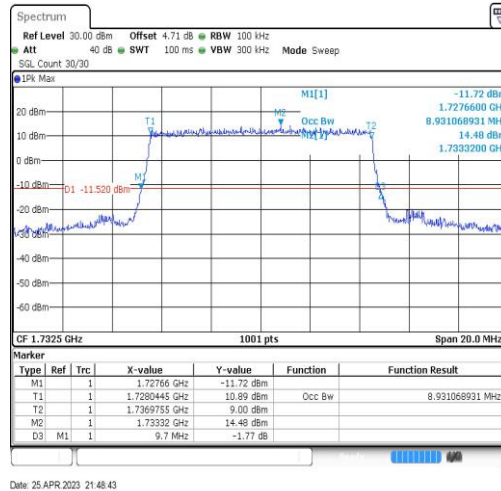
Band4-5MHz-64QAM-20175-25RB#0-4.476



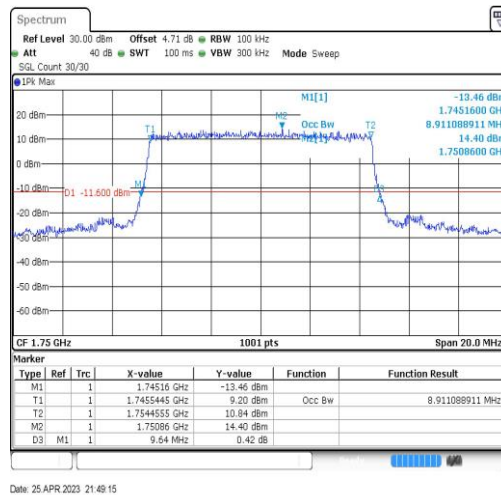
Band4-5MHz-64QAM-20375-25RB#0-4.466



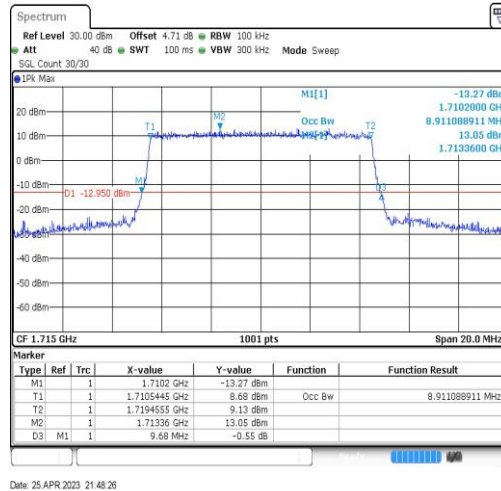
Band4-10MHz-QPSK-20000-50RB#0-8.931



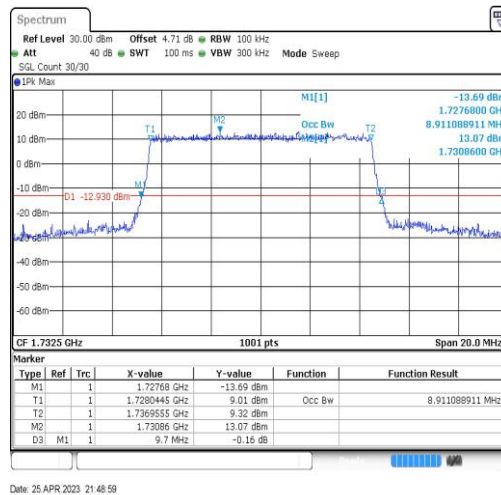
Band4-10MHz-QPSK-20175-50RB#0-8.931



Band4-10MHz-QPSK-20350-50RB#0-8.911

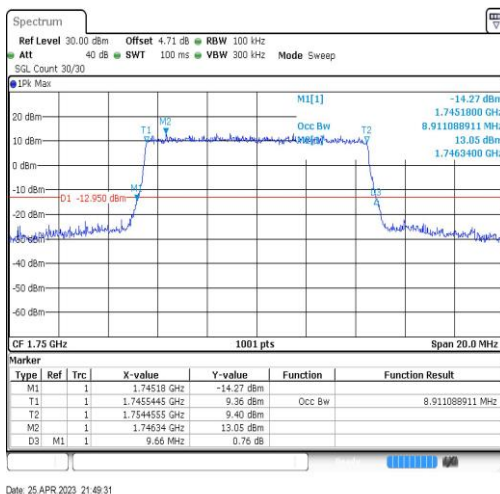


Band4-10MHz-16QAM-20000-50RB#0-8.911

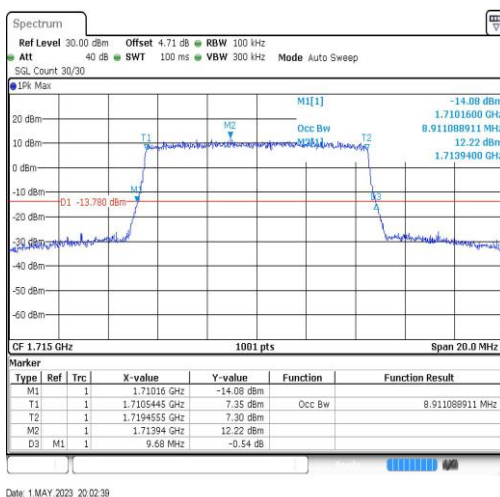


Band4-10MHz-16QAM-20175-50RB#0-8.911





Band4-10MHz-16QAM-20350-50RB#0-8.911



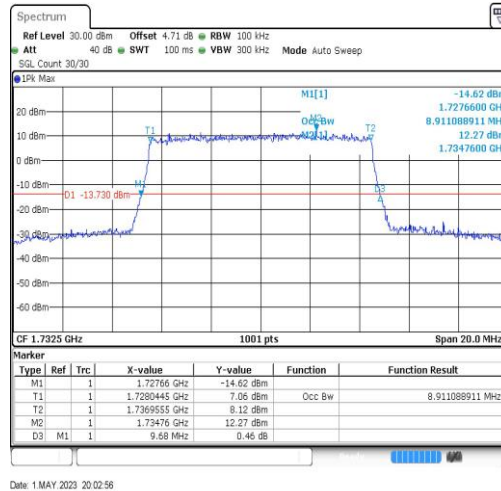
Band4-10MHz-64QAM-20000-50RB#0-8.911



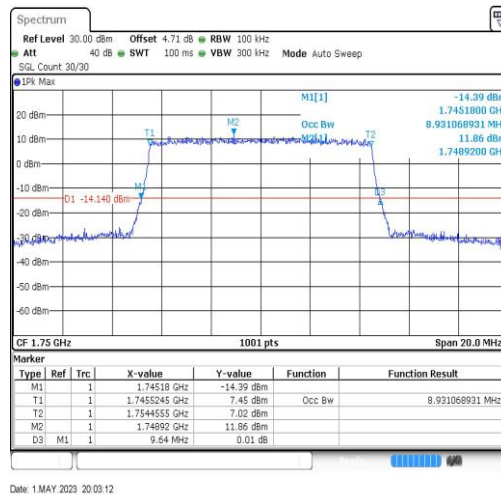
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

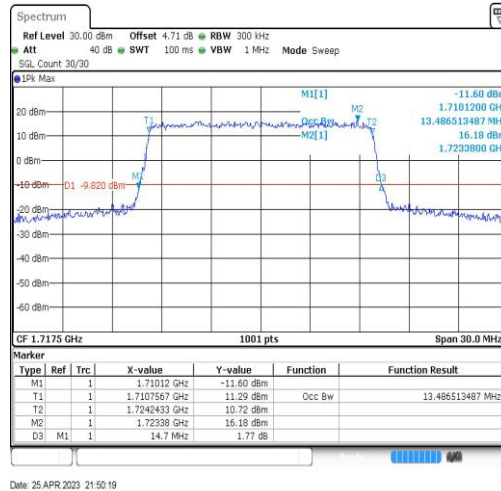
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



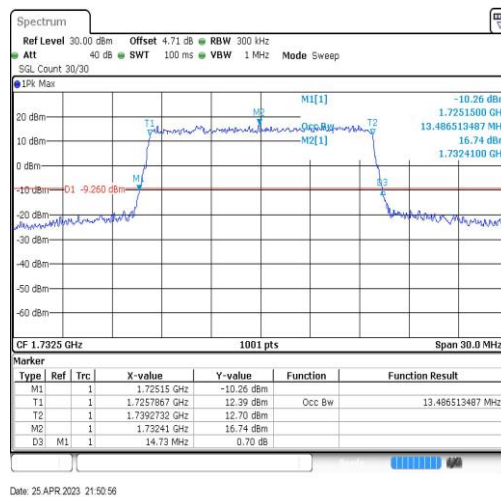
Band4-10MHz-64QAM-20175-50RB#0-8.911



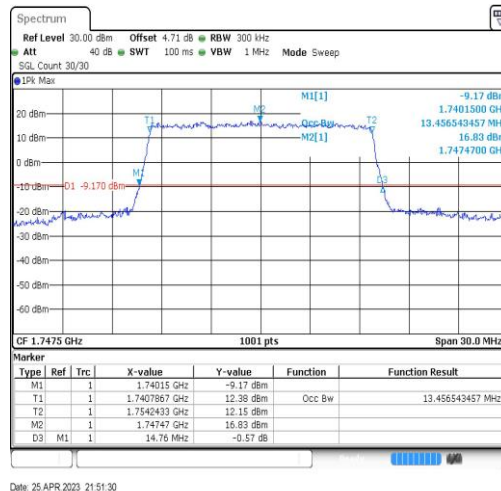
Band4-10MHz-64QAM-20350-50RB#0-8.931



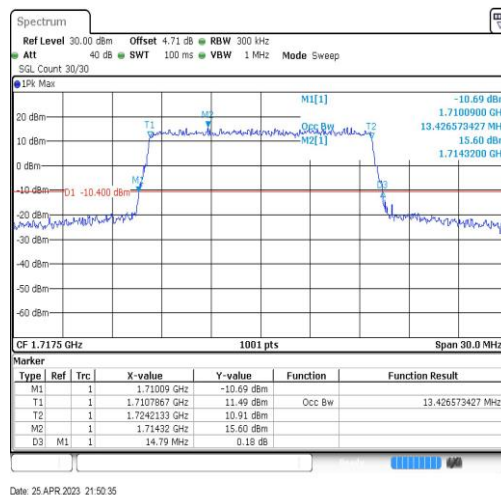
Band4-15MHz-QPSK-20025-75RB#0-13.487



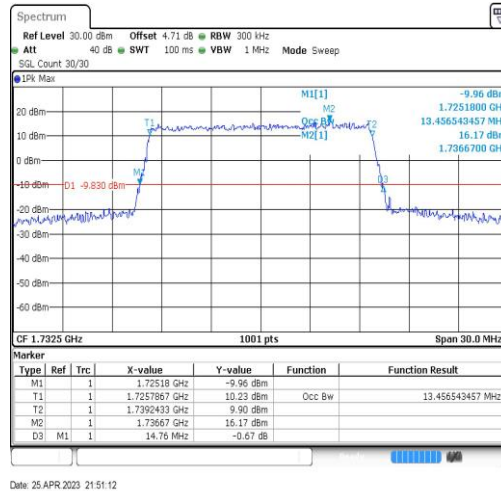
Band4-15MHz-QPSK-20175-75RB#0-13.487



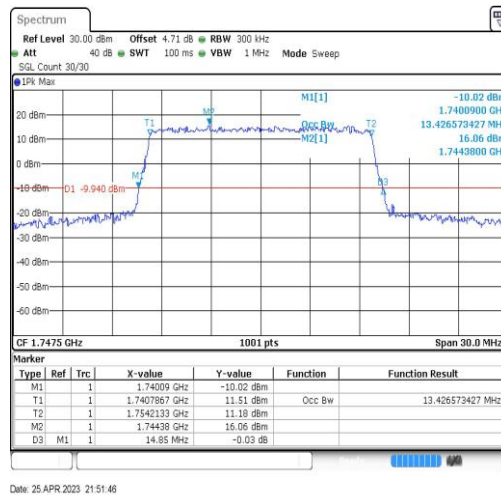
Band4-15MHz-QPSK-20325-75RB#0-13.457



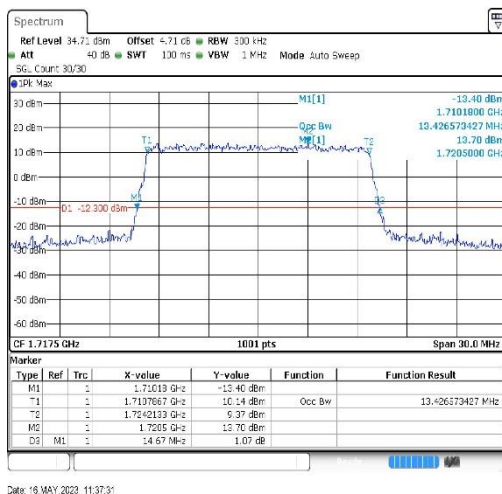
Band4-15MHz-16QAM-20025-75RB#0-13.427



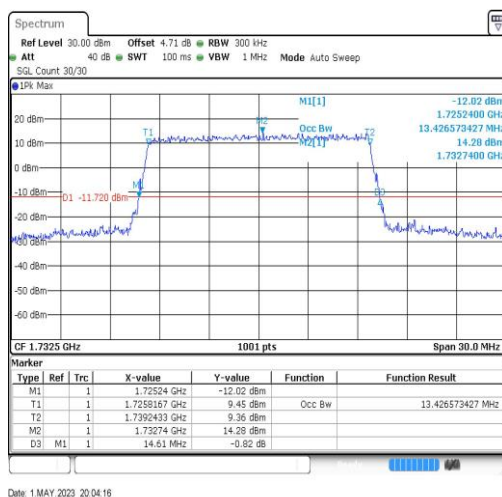
Band4-15MHz-16QAM-20175-75RB#0-13.457



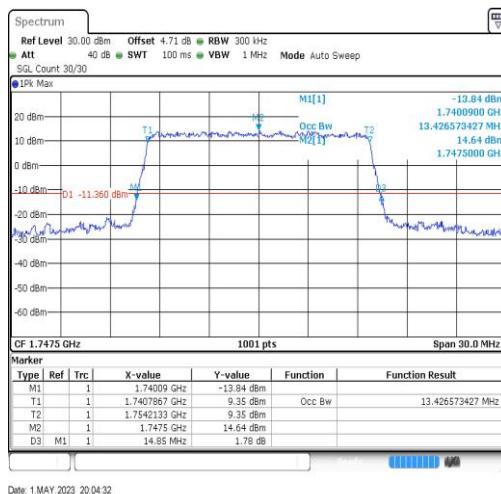
Band4-15MHz-16QAM-20325-75RB#0-13.427



Band4-15MHz-64QAM-20025-75RB#0-13.546

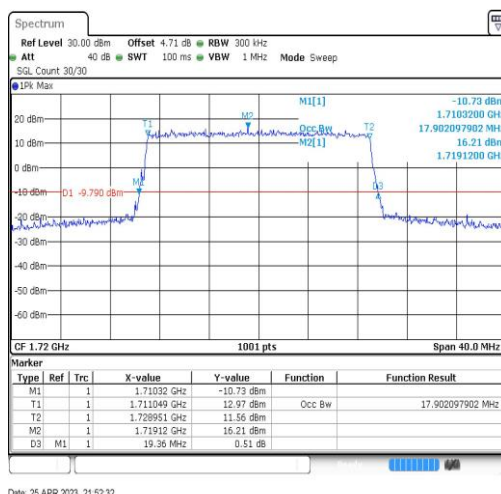


Band4-15MHz-64QAM-20175-75RB#0-13.427



Date: 1 MAY 2023 20:04:32

Band4-15MHz-64QAM-20325-75RB#0-13.427



Date: 25 APR 2023 21:52:32

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

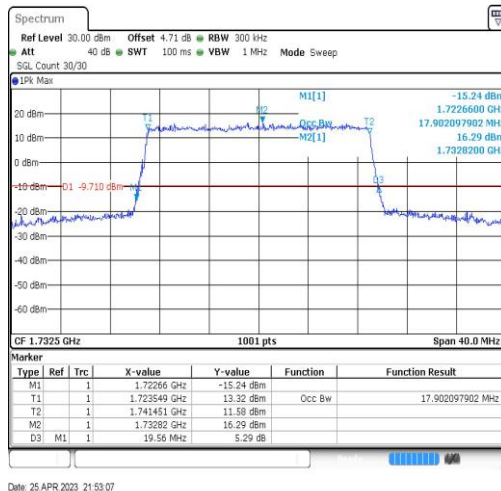


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

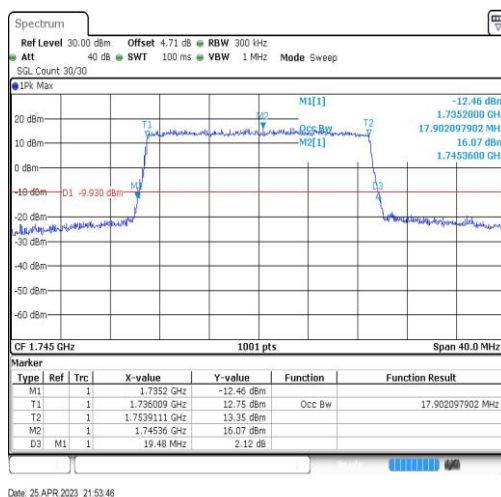
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

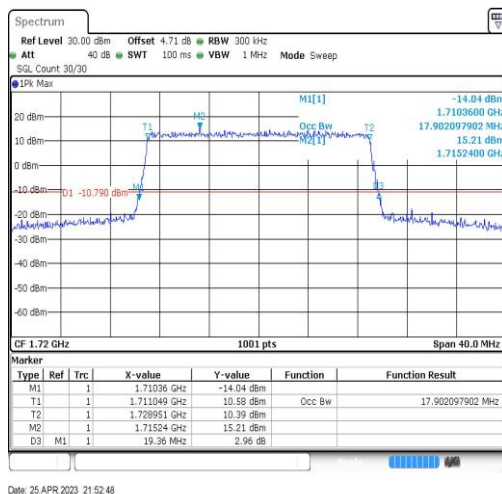


Band4-20MHz-QPSK-20175-100RB#0-17.902

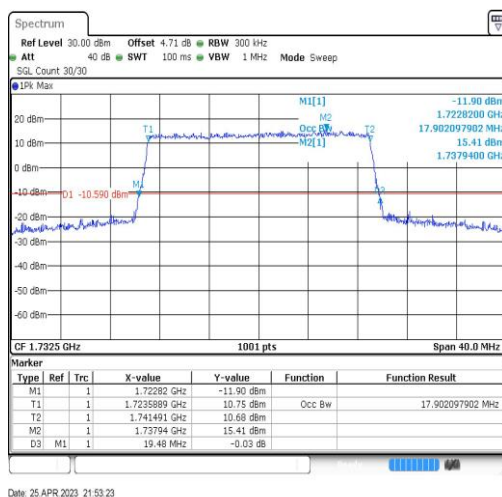


Band4-20MHz-QPSK-20300-100RB#0-17.902





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



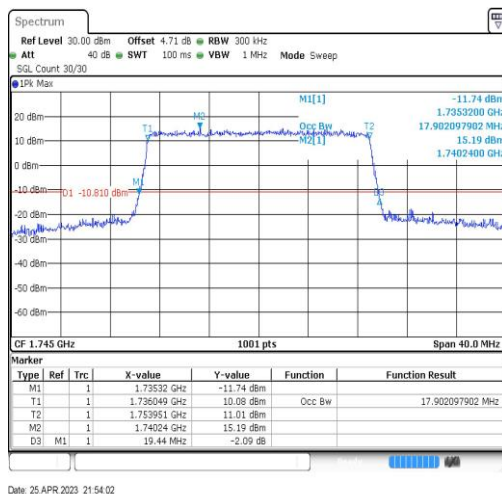
Band4-20MHz-16QAM-20175-100RB#0-17.902



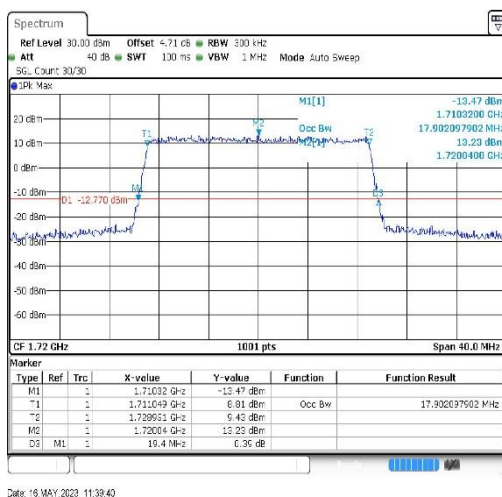
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4-20MHz-16OAM-20300-100RB#0-17.902



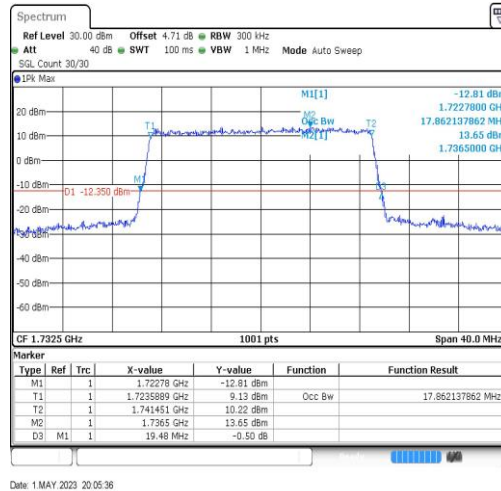
Band4-20MHz-64QAM-20050-100RB#0-18.022



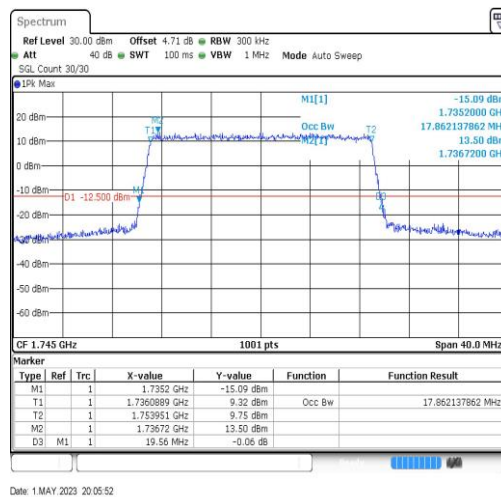
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Sale (printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>). Attention is drawn to the limitation of liability, indemnification and jurisdiction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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



Band4-20MHz-64QAM-20175-100RB#0-17.862

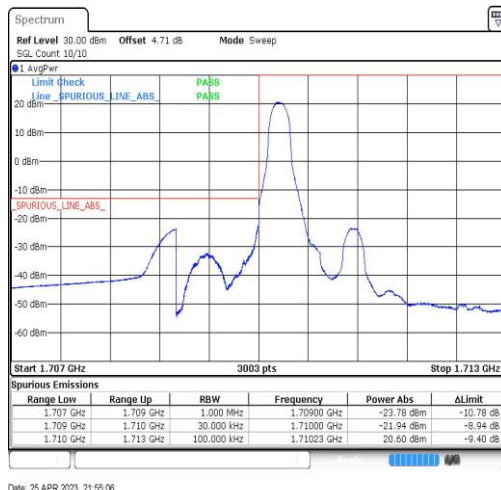


Band4-20MHz-64QAM-20300-100RB#0-17.862

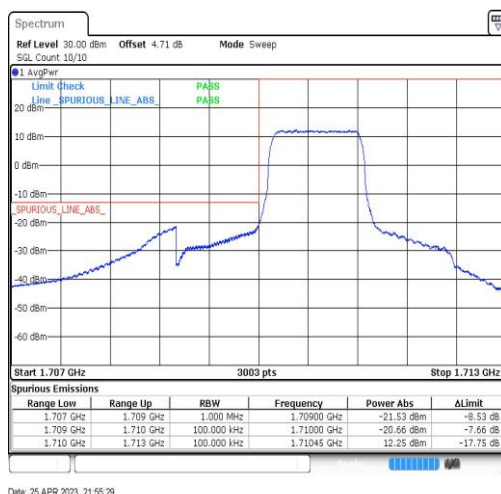


Band Edge

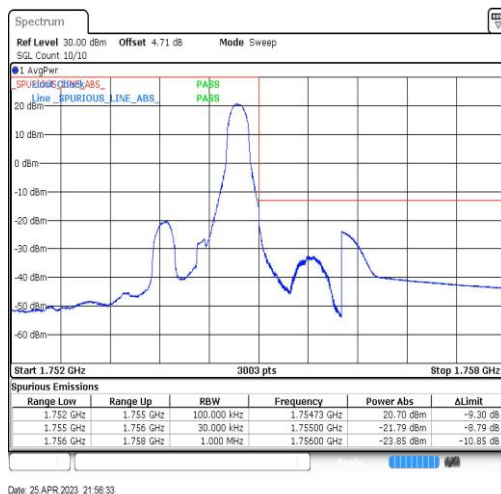
Test Graphs



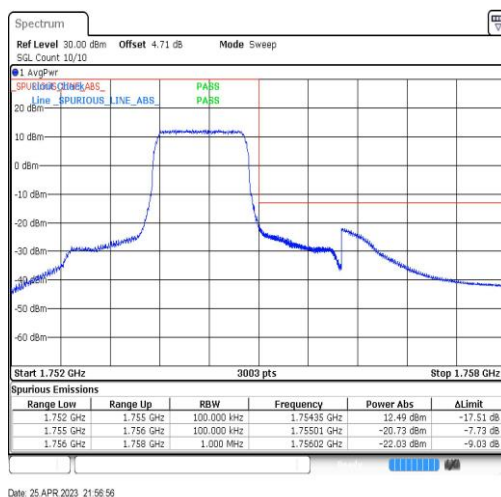
Band4-1.4MHz-QPSK-19957-1RB#0



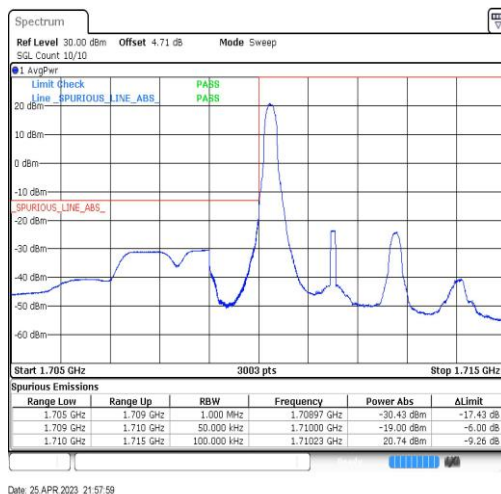
Band4-1.4MHz-QPSK-19957-6RB#0



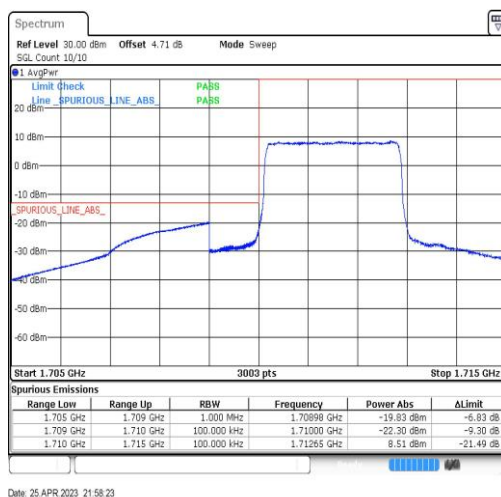
Band4-1.4MHz-QPSK-20393-1RB#5



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

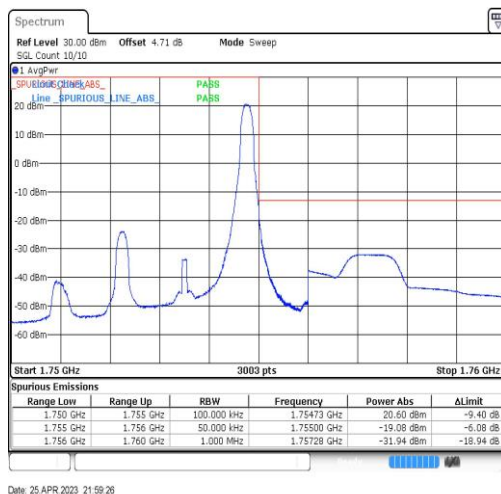


Band4-3MHz-QPSK-19965-1RB#0

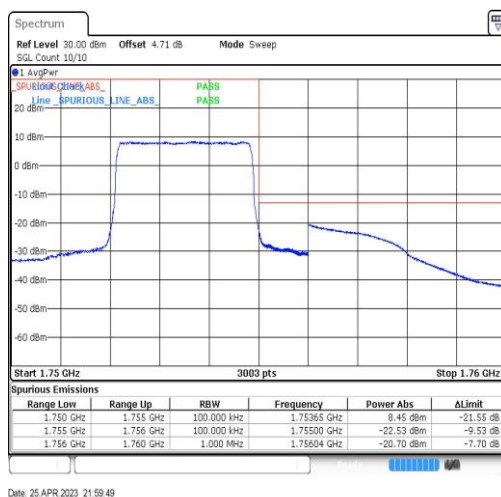


Band4-3MHz-QPSK-19965-15RB#0



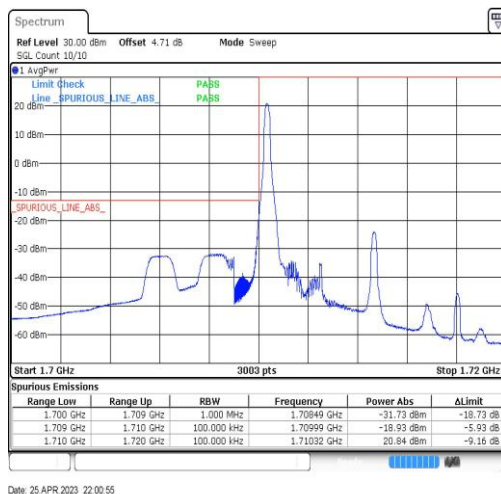


Band4-3MHz-QPSK-20385-1RB#14

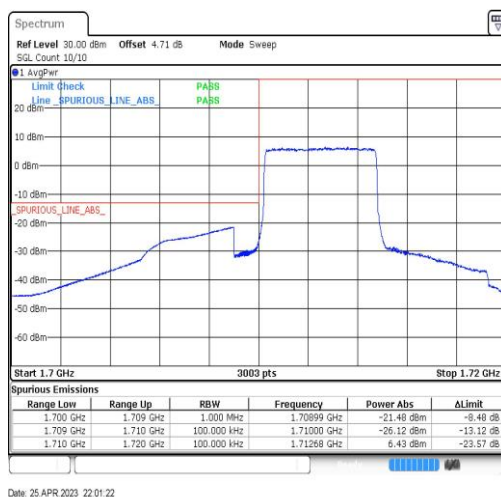


Band4-3MHz-QPSK-20385-15RB#0





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



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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. 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, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com