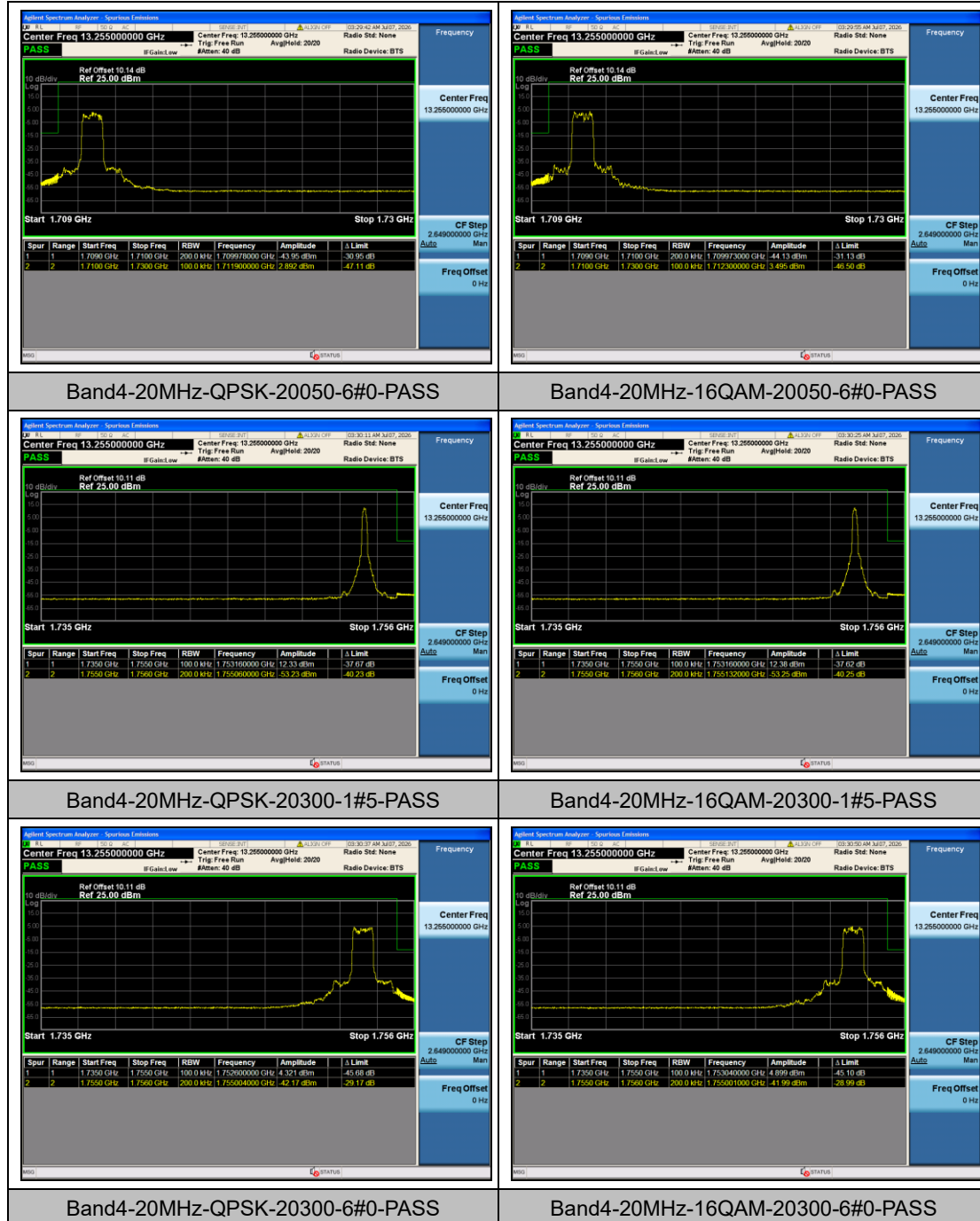




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-A02 Rev. A/0

Page: 35 of 70

Appendix 5: Conducted Spurious Emission for Cat M1 Band 4

Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	0.009	0.15	-62.4	-43	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	0.15	30	-53.39	-33	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	30	1000	-38.74	-13	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	1000	20000	-28.85	-13	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	0.009	0.15	-61.19	-43	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	0.15	30	-55.47	-33	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	30	1000	-38.39	-13	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	1000	20000	-28.01	-13	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	0.009	0.15	-60.04	-43	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	0.15	30	-56.14	-33	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	30	1000	-38.61	-13	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	1000	20000	-30.09	-13	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	0.009	0.15	-61.19	-43	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	0.15	30	-54.21	-33	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	30	1000	-38.62	-13	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	1000	20000	-30.1	-13	PASS
Band4	1.4MHz	20393	QPSK	1	5	High	0.009	0.15	-60.23	-43	PASS
Band4	1.4MHz	20393	QPSK	1	5	High	0.15	30	-53.7	-33	PASS
Band4	1.4MHz	20393	QPSK	1	5	High	30	1000	-38.2	-13	PASS
Band4	1.4MHz	20393	QPSK	1	5	High	1000	20000	-30.49	-13	PASS
Band4	1.4MHz	20393	16QAM	1	5	High	0.009	0.15	-58.58	-43	PASS
Band4	1.4MHz	20393	16QAM	1	5	High	0.15	30	-55.65	-33	PASS
Band4	1.4MHz	20393	16QAM	1	5	High	30	1000	-38.85	-13	PASS
Band4	1.4MHz	20393	16QAM	1	5	High	1000	20000	-30.99	-13	PASS
Band4	3MHz	19965	QPSK	1	0	Low	0.009	0.15	-59.22	-43	PASS
Band4	3MHz	19965	QPSK	1	0	Low	0.15	30	-52.82	-33	PASS
Band4	3MHz	19965	QPSK	1	0	Low	30	1000	-38.93	-13	PASS
Band4	3MHz	19965	QPSK	1	0	Low	1000	20000	-30.31	-13	PASS
Band4	3MHz	19965	16QAM	1	0	Low	0.009	0.15	-60.45	-43	PASS
Band4	3MHz	19965	16QAM	1	0	Low	0.15	30	-54.57	-33	PASS
Band4	3MHz	19965	16QAM	1	0	Low	30	1000	-38.49	-13	PASS
Band4	3MHz	19965	16QAM	1	0	Low	1000	20000	-30.94	-13	PASS
Band4	3MHz	20175	QPSK	1	0	Low	0.009	0.15	-60.61	-43	PASS
Band4	3MHz	20175	QPSK	1	0	Low	0.15	30	-53.68	-33	PASS
Band4	3MHz	20175	QPSK	1	0	Low	30	1000	-38.86	-13	PASS
Band4	3MHz	20175	QPSK	1	0	Low	1000	20000	-31.04	-13	PASS
Band4	3MHz	20175	16QAM	1	0	Low	0.009	0.15	-60.13	-43	PASS
Band4	3MHz	20175	16QAM	1	0	Low	0.15	30	-52.6	-33	PASS
Band4	3MHz	20175	16QAM	1	0	Low	30	1000	-38.46	-13	PASS
Band4	3MHz	20175	16QAM	1	0	Low	1000	20000	-29.91	-13	PASS
Band4	3MHz	20385	QPSK	1	5	High	0.009	0.15	-60.29	-43	PASS
Band4	3MHz	20385	QPSK	1	5	High	0.15	30	-53.94	-33	PASS
Band4	3MHz	20385	QPSK	1	5	High	30	1000	-38.6	-13	PASS
Band4	3MHz	20385	QPSK	1	5	High	1000	20000	-30.69	-13	PASS
Band4	3MHz	20385	16QAM	1	5	High	0.009	0.15	-60.48	-43	PASS
Band4	3MHz	20385	16QAM	1	5	High	0.15	30	-55.68	-33	PASS
Band4	3MHz	20385	16QAM	1	5	High	30	1000	-39.15	-13	PASS
Band4	3MHz	20385	16QAM	1	5	High	1000	20000	-30.8	-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 <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
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-A02 Rev. A/0

Page: 36 of 70

Band4	5MHz	19975	QPSK	1	0	Low	0.009	0.15	-61.31	-43	PASS
Band4	5MHz	19975	QPSK	1	0	Low	0.15	30	-52.85	-33	PASS
Band4	5MHz	19975	QPSK	1	0	Low	30	1000	-38.84	-13	PASS
Band4	5MHz	19975	QPSK	1	0	Low	1000	20000	-31.19	-13	PASS
Band4	5MHz	19975	16QAM	1	0	Low	0.009	0.15	-60.46	-43	PASS
Band4	5MHz	19975	16QAM	1	0	Low	0.15	30	-54.63	-33	PASS
Band4	5MHz	19975	16QAM	1	0	Low	30	1000	-38.85	-13	PASS
Band4	5MHz	19975	16QAM	1	0	Low	1000	20000	-30.47	-13	PASS
Band4	5MHz	20175	QPSK	1	0	Low	0.009	0.15	-60.74	-43	PASS
Band4	5MHz	20175	QPSK	1	0	Low	0.15	30	-55.41	-33	PASS
Band4	5MHz	20175	QPSK	1	0	Low	30	1000	-38.95	-13	PASS
Band4	5MHz	20175	QPSK	1	0	Low	1000	20000	-31.32	-13	PASS
Band4	5MHz	20175	16QAM	1	0	Low	0.009	0.15	-58.73	-43	PASS
Band4	5MHz	20175	16QAM	1	0	Low	0.15	30	-55.05	-33	PASS
Band4	5MHz	20175	16QAM	1	0	Low	30	1000	-38.83	-13	PASS
Band4	5MHz	20175	16QAM	1	0	Low	1000	20000	-30.99	-13	PASS
Band4	5MHz	20375	QPSK	1	5	High	0.009	0.15	-60.04	-43	PASS
Band4	5MHz	20375	QPSK	1	5	High	0.15	30	-54.66	-33	PASS
Band4	5MHz	20375	QPSK	1	5	High	30	1000	-39.28	-13	PASS
Band4	5MHz	20375	QPSK	1	5	High	1000	20000	-30.56	-13	PASS
Band4	5MHz	20375	16QAM	1	5	High	0.009	0.15	-59.56	-43	PASS
Band4	5MHz	20375	16QAM	1	5	High	0.15	30	-54.09	-33	PASS
Band4	5MHz	20375	16QAM	1	5	High	30	1000	-38.07	-13	PASS
Band4	5MHz	20375	16QAM	1	5	High	1000	20000	-28.5	-13	PASS
Band4	10MHz	20000	QPSK	1	0	Low	0.009	0.15	-60.91	-43	PASS
Band4	10MHz	20000	QPSK	1	0	Low	0.15	30	-52.28	-33	PASS
Band4	10MHz	20000	QPSK	1	0	Low	30	1000	-38.74	-13	PASS
Band4	10MHz	20000	QPSK	1	0	Low	1000	20000	-28.85	-13	PASS
Band4	10MHz	20000	16QAM	1	0	Low	0.009	0.15	-59.79	-43	PASS
Band4	10MHz	20000	16QAM	1	0	Low	0.15	30	-52.02	-33	PASS
Band4	10MHz	20000	16QAM	1	0	Low	30	1000	-39.02	-13	PASS
Band4	10MHz	20000	16QAM	1	0	Low	1000	20000	-29.9	-13	PASS
Band4	10MHz	20175	QPSK	1	0	Low	0.009	0.15	-60.46	-43	PASS
Band4	10MHz	20175	QPSK	1	0	Low	0.15	30	-55.44	-33	PASS
Band4	10MHz	20175	QPSK	1	0	Low	30	1000	-38.43	-13	PASS
Band4	10MHz	20175	QPSK	1	0	Low	1000	20000	-30.81	-13	PASS
Band4	10MHz	20175	16QAM	1	0	Low	0.009	0.15	-59.39	-43	PASS
Band4	10MHz	20175	16QAM	1	0	Low	0.15	30	-54	-33	PASS
Band4	10MHz	20175	16QAM	1	0	Low	30	1000	-38.62	-13	PASS
Band4	10MHz	20175	16QAM	1	0	Low	1000	20000	-29.97	-13	PASS
Band4	10MHz	20350	QPSK	1	5	High	0.009	0.15	-59.94	-43	PASS
Band4	10MHz	20350	QPSK	1	5	High	0.15	30	-53.84	-33	PASS
Band4	10MHz	20350	QPSK	1	5	High	30	1000	-39.03	-13	PASS
Band4	10MHz	20350	QPSK	1	5	High	1000	20000	-30.87	-13	PASS
Band4	10MHz	20350	16QAM	1	5	High	0.009	0.15	-57.99	-43	PASS
Band4	10MHz	20350	16QAM	1	5	High	0.15	30	-54.14	-33	PASS
Band4	10MHz	20350	16QAM	1	5	High	30	1000	-38.8	-13	PASS
Band4	10MHz	20350	16QAM	1	5	High	1000	20000	-30.24	-13	PASS
Band4	15MHz	20025	QPSK	1	0	Low	0.009	0.15	-61.26	-43	PASS
Band4	15MHz	20025	QPSK	1	0	Low	0.15	30	-53.97	-33	PASS
Band4	15MHz	20025	QPSK	1	0	Low	30	1000	-39.2	-13	PASS
Band4	15MHz	20025	QPSK	1	0	Low	1000	20000	-31.05	-13	PASS
Band4	15MHz	20025	16QAM	1	0	Low	0.009	0.15	-61.11	-43	PASS
Band4	15MHz	20025	16QAM	1	0	Low	0.15	30	-53.14	-33	PASS
Band4	15MHz	20025	16QAM	1	0	Low	30	1000	-38.02	-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 <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 and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-A02 Rev. A/0

Page: 37 of 70

Band4	15MHz	20025	16QAM	1	0	Low	1000	20000	-31.54	-13	PASS
Band4	15MHz	20175	QPSK	1	0	Low	0.009	0.15	-60.45	-43	PASS
Band4	15MHz	20175	QPSK	1	0	Low	0.15	30	-54.38	-33	PASS
Band4	15MHz	20175	QPSK	1	0	Low	30	1000	-39.1	-13	PASS
Band4	15MHz	20175	QPSK	1	0	Low	1000	20000	-31.01	-13	PASS
Band4	15MHz	20175	16QAM	1	0	Low	0.009	0.15	-59.72	-43	PASS
Band4	15MHz	20175	16QAM	1	0	Low	0.15	30	-52.17	-33	PASS
Band4	15MHz	20175	16QAM	1	0	Low	30	1000	-38.82	-13	PASS
Band4	15MHz	20175	16QAM	1	0	Low	1000	20000	-30.93	-13	PASS
Band4	15MHz	20325	QPSK	1	5	High	0.009	0.15	-60.93	-43	PASS
Band4	15MHz	20325	QPSK	1	5	High	0.15	30	-55.98	-33	PASS
Band4	15MHz	20325	QPSK	1	5	High	30	1000	-38.51	-13	PASS
Band4	15MHz	20325	QPSK	1	5	High	1000	20000	-31.31	-13	PASS
Band4	15MHz	20325	16QAM	1	5	High	0.009	0.15	-59.69	-43	PASS
Band4	15MHz	20325	16QAM	1	5	High	0.15	30	-54.99	-33	PASS
Band4	15MHz	20325	16QAM	1	5	High	30	1000	-38.98	-13	PASS
Band4	15MHz	20325	16QAM	1	5	High	1000	20000	-30.31	-13	PASS
Band4	20MHz	20050	QPSK	1	0	Low	0.009	0.15	-60.92	-43	PASS
Band4	20MHz	20050	QPSK	1	0	Low	0.15	30	-53.64	-33	PASS
Band4	20MHz	20050	QPSK	1	0	Low	30	1000	-38.7	-13	PASS
Band4	20MHz	20050	QPSK	1	0	Low	1000	20000	-29.23	-13	PASS
Band4	20MHz	20050	16QAM	1	0	Low	0.009	0.15	-57.83	-43	PASS
Band4	20MHz	20050	16QAM	1	0	Low	0.15	30	-53.98	-33	PASS
Band4	20MHz	20050	16QAM	1	0	Low	30	1000	-38.9	-13	PASS
Band4	20MHz	20050	16QAM	1	0	Low	1000	20000	-31.07	-13	PASS
Band4	20MHz	20175	QPSK	1	0	Low	0.009	0.15	-60.71	-43	PASS
Band4	20MHz	20175	QPSK	1	0	Low	0.15	30	-54.67	-33	PASS
Band4	20MHz	20175	QPSK	1	0	Low	30	1000	-38.7	-13	PASS
Band4	20MHz	20175	QPSK	1	0	Low	1000	20000	-30.4	-13	PASS
Band4	20MHz	20175	16QAM	1	0	Low	0.009	0.15	-59.84	-43	PASS
Band4	20MHz	20175	16QAM	1	0	Low	0.15	30	-53.63	-33	PASS
Band4	20MHz	20175	16QAM	1	0	Low	30	1000	-39.05	-13	PASS
Band4	20MHz	20175	16QAM	1	0	Low	1000	20000	-30.83	-13	PASS
Band4	20MHz	20300	QPSK	1	5	High	0.009	0.15	-59.89	-43	PASS
Band4	20MHz	20300	QPSK	1	5	High	0.15	30	-54.39	-33	PASS
Band4	20MHz	20300	QPSK	1	5	High	30	1000	-39.49	-13	PASS
Band4	20MHz	20300	QPSK	1	5	High	1000	20000	-30.33	-13	PASS
Band4	20MHz	20300	16QAM	1	5	High	0.009	0.15	-60.73	-43	PASS
Band4	20MHz	20300	16QAM	1	5	High	0.15	30	-56.49	-33	PASS
Band4	20MHz	20300	16QAM	1	5	High	30	1000	-38.72	-13	PASS
Band4	20MHz	20300	16QAM	1	5	High	1000	20000	-27.23	-13	PASS

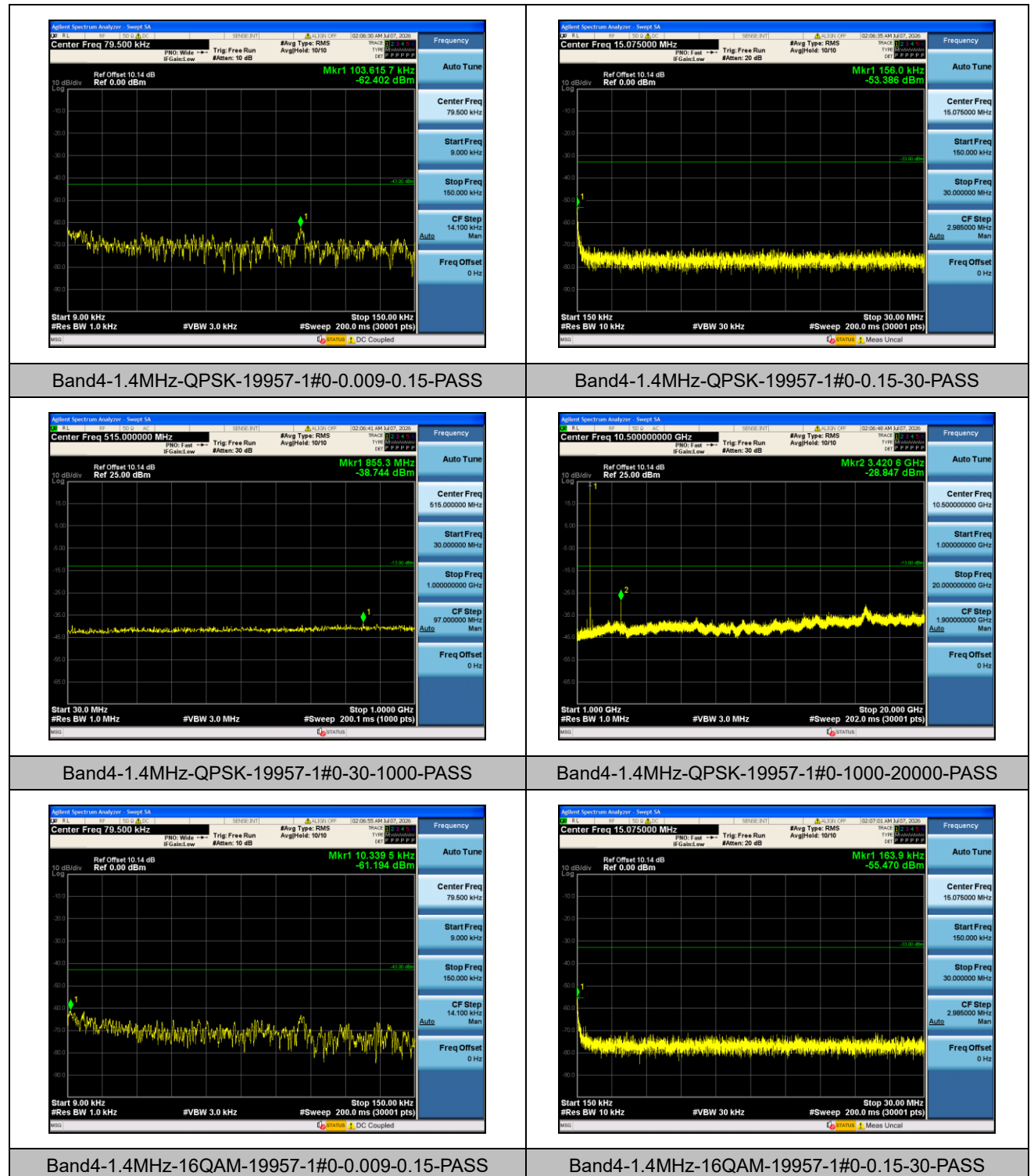


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com

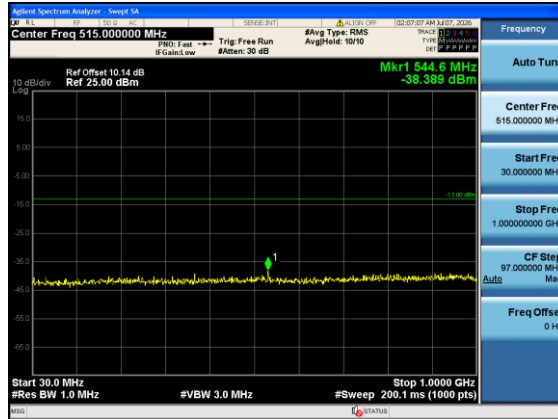
Test Graphs



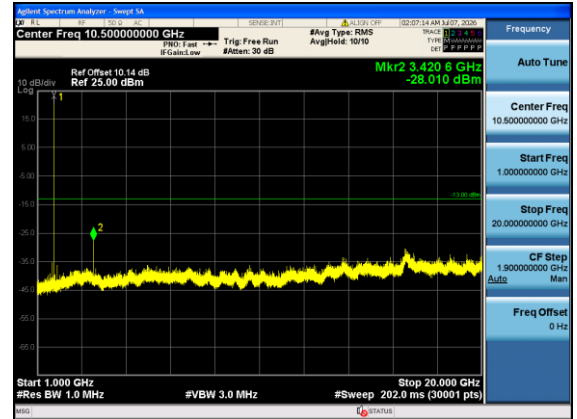
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

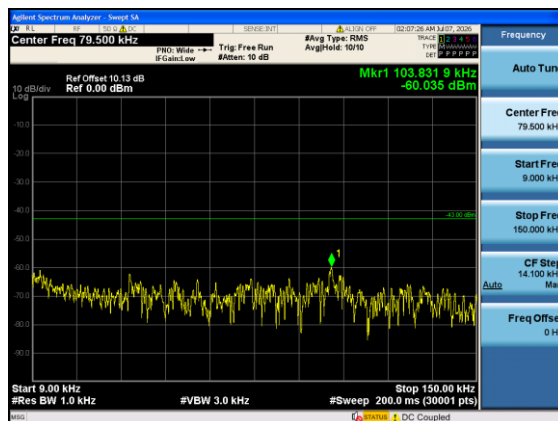
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



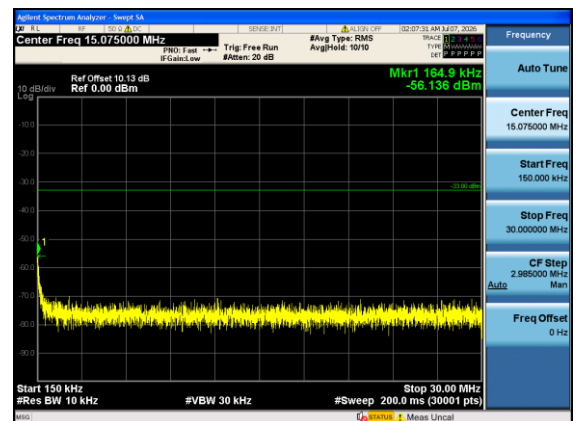
Band4-1.4MHz-16QAM-19957-1#0-30-1000-PASS



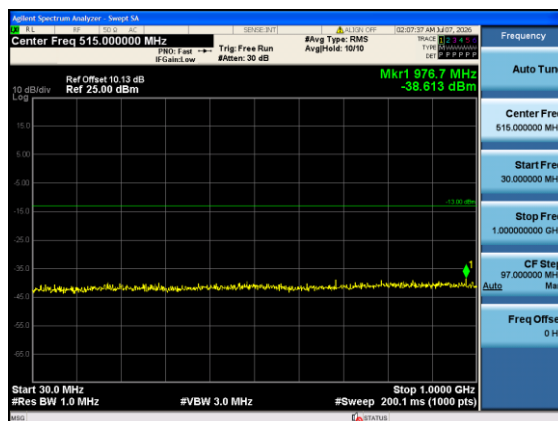
Band4-1.4MHz-16QAM-19957-1#0-1000-20000-PASS



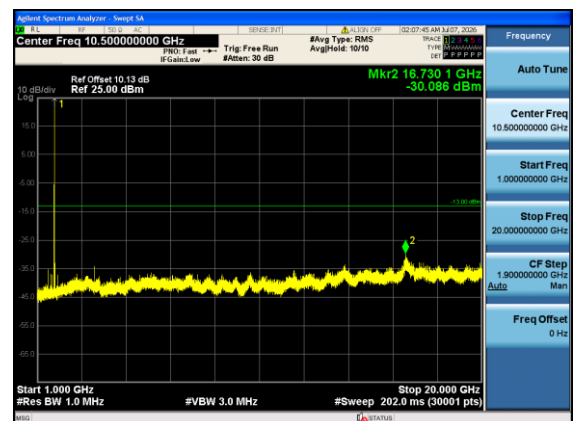
Band4-1.4MHz-QPSK-20175-1#0-0.009-0.15-PASS



Band4-1.4MHz-QPSK-20175-1#0-0.15-30-PASS



Band4-1.4MHz-QPSK-20175-1#0-30-1000-PASS



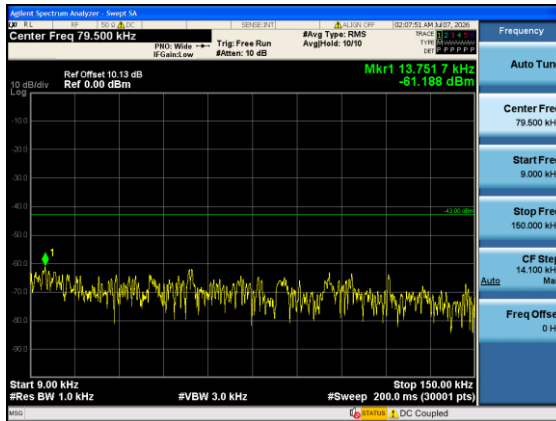
Band4-1.4MHz-QPSK-20175-1#0-1000-20000-PASS



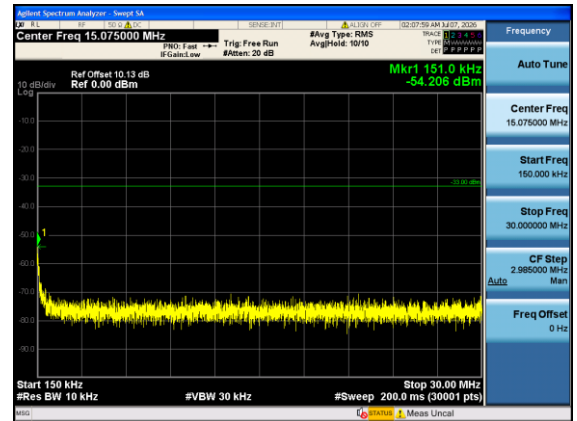
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

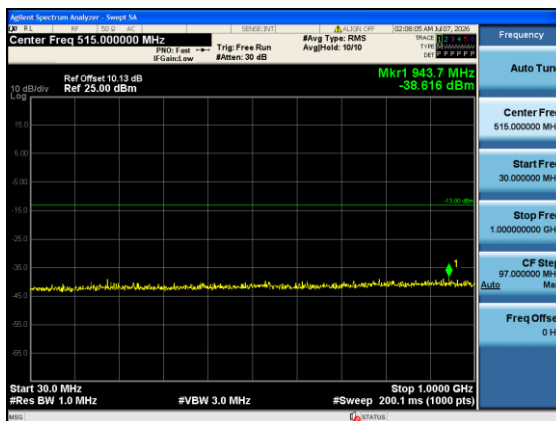
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



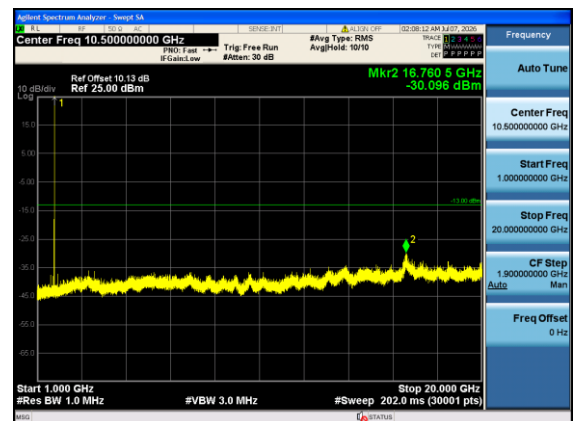
Band4-1.4MHz-16QAM-20175-1#0-0.009-0.15-PASS



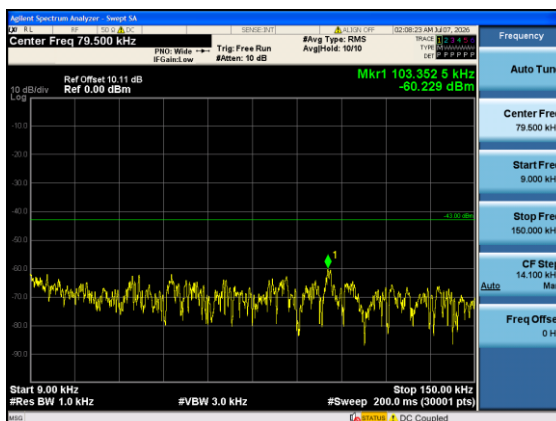
Band4-1.4MHz-16QAM-20175-1#0-0.15-30-PASS



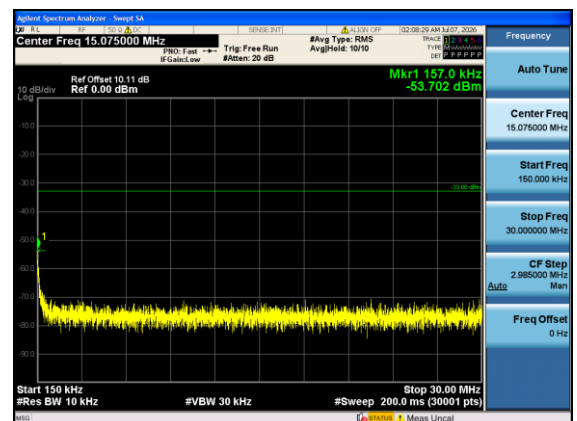
Band4-1.4MHz-16QAM-20175-1#0-30-1000-PASS



Band4-1.4MHz-16QAM-20175-1#0-1000-20000-PASS



Band4-1.4MHz-QPSK-20393-1#5-0.009-0.15-PASS

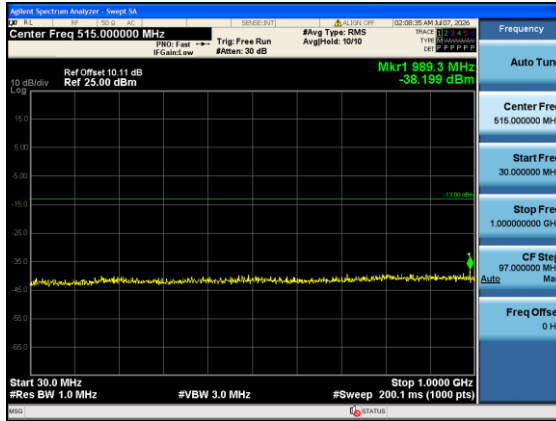


Band4-1.4MHz-QPSK-20393-1#5-0.15-30-PASS

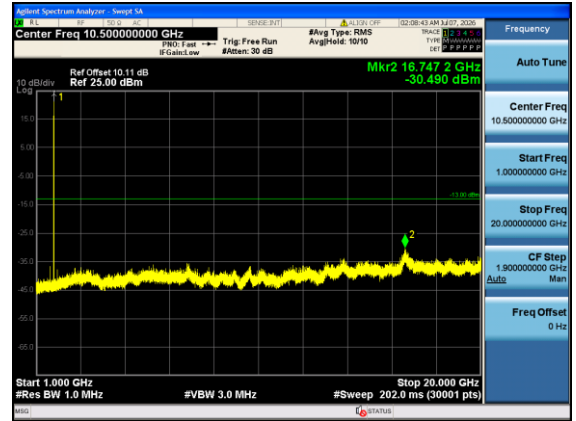


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

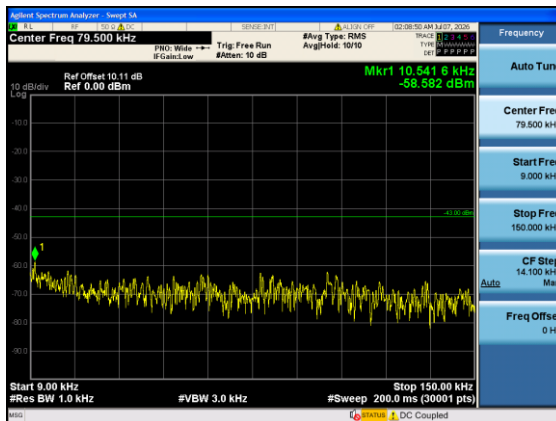
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



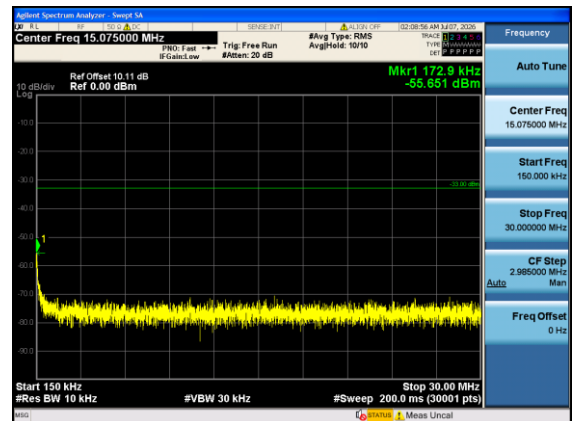
Band4-1.4MHz-QPSK-20393-1#5-30-1000-PASS



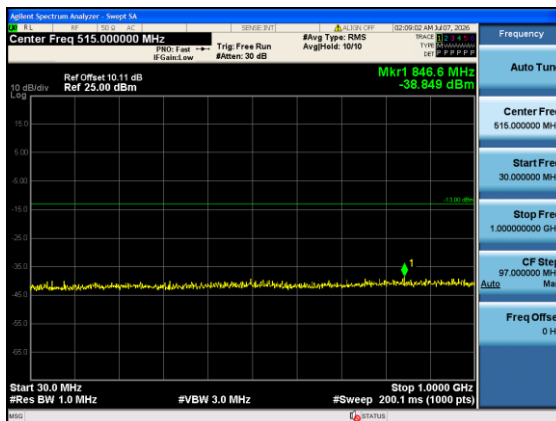
Band4-1.4MHz-QPSK-20393-1#5-1000-20000-PASS



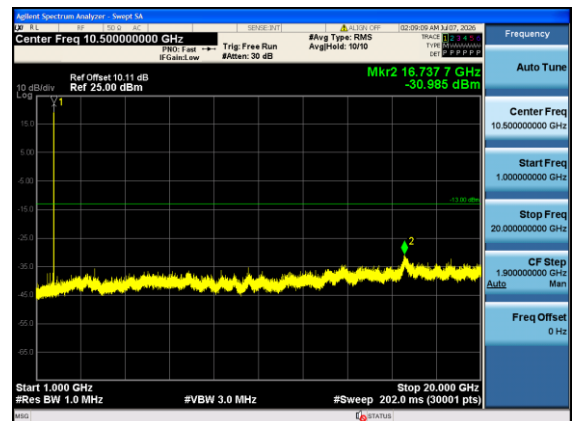
Band4-1.4MHz-16QAM-20393-1#5-0.009-0.15-PASS



Band4-1.4MHz-16QAM-20393-1#5-0.15-30-PASS



Band4-1.4MHz-16QAM-20393-1#5-30-1000-PASS



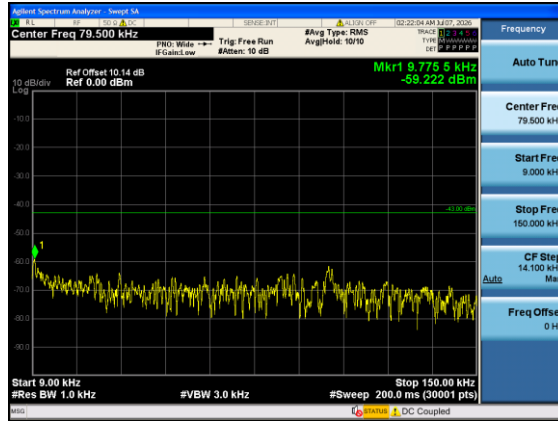
Band4-1.4MHz-16QAM-20393-1#5-1000-20000-PASS



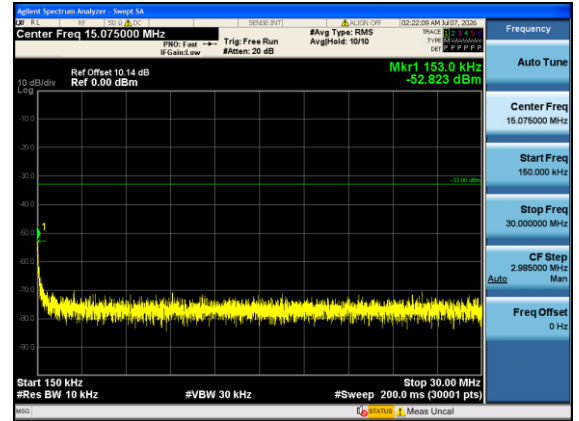
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

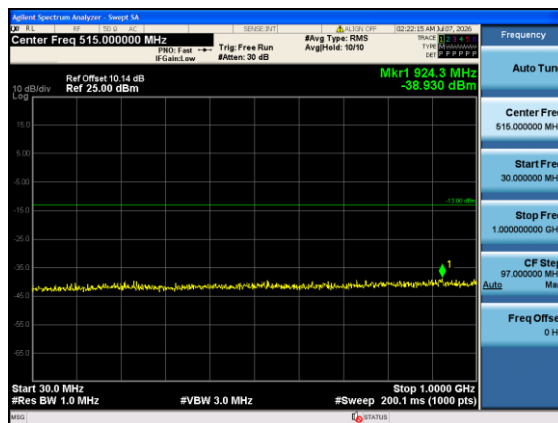
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com sgs.china@sgs.com
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



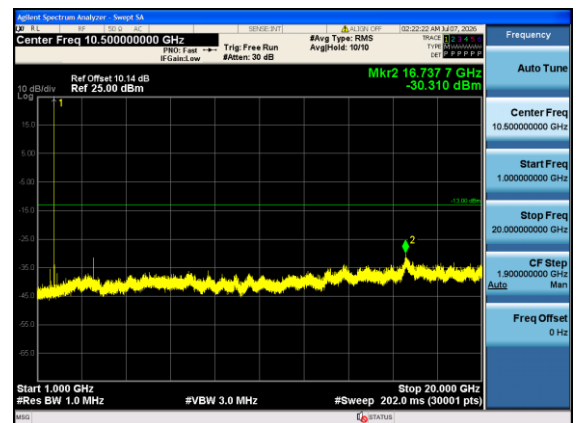
Band4-3MHz-QPSK-19965-1#0-0.009-0.15-PASS



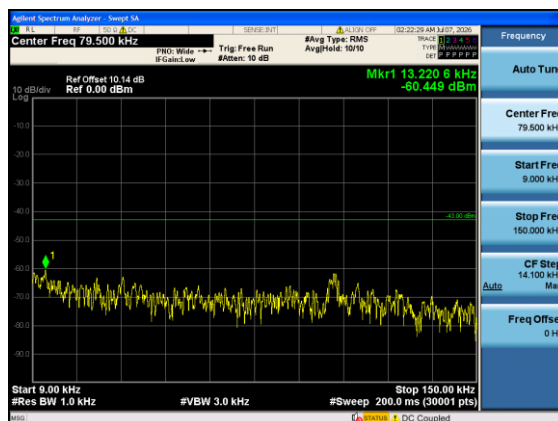
Band4-3MHz-QPSK-19965-1#0-0.15-30-PASS



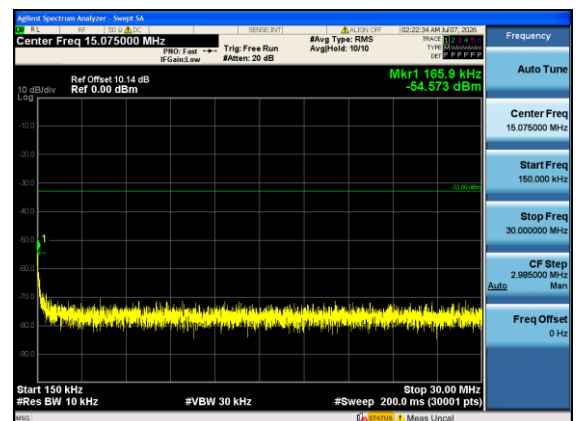
Band4-3MHz-QPSK-19965-1#0-30-1000-PASS



Band4-3MHz-QPSK-19965-1#0-1000-20000-PASS



Band4-3MHz-16QAM-19965-1#0-0.009-0.15-PASS



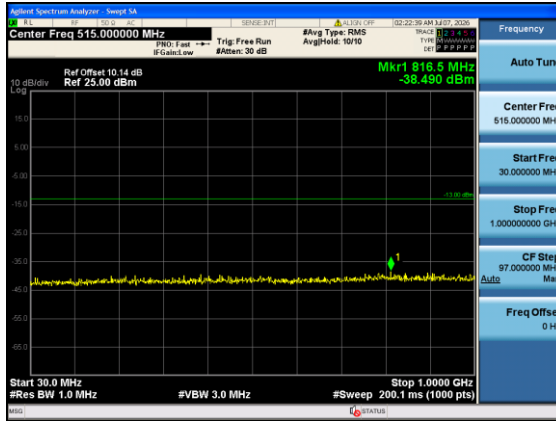
Band4-3MHz-16QAM-19965-1#0-0.15-30-PASS



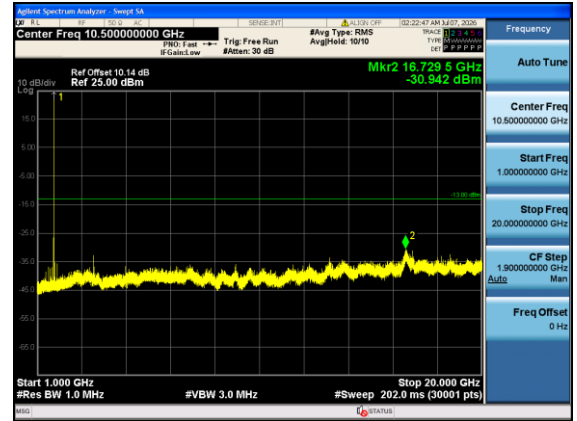
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

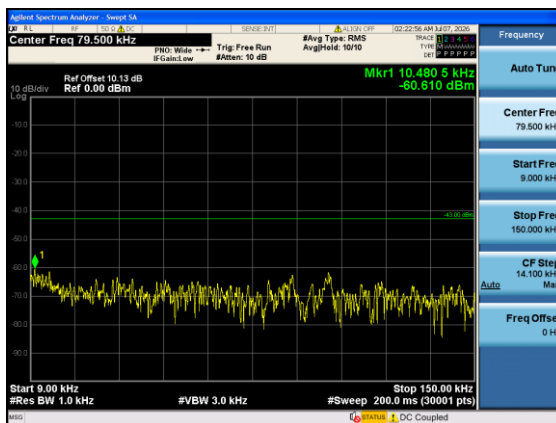
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



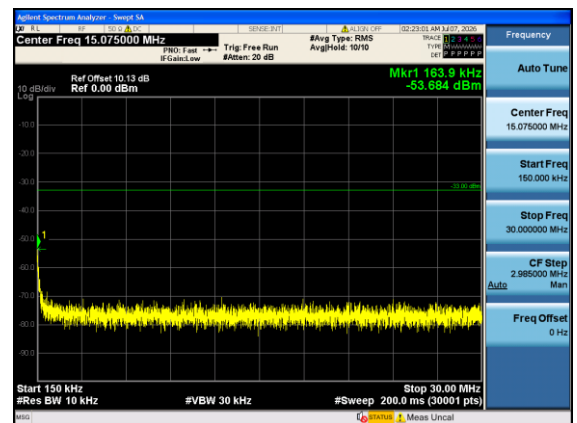
Band4-3MHz-16QAM-19965-1#0-30-1000-PASS



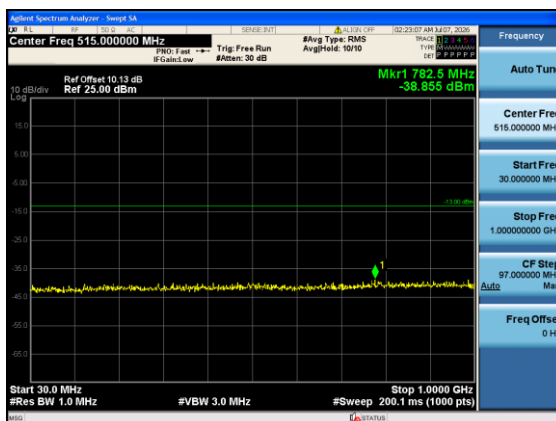
Band4-3MHz-16QAM-19965-1#0-1000-20000-PASS



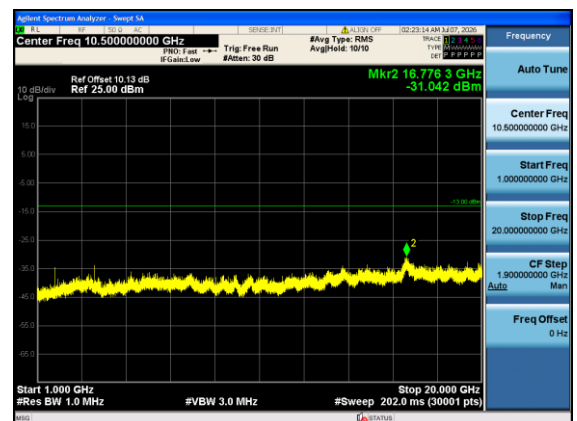
Band4-3MHz-QPSK-20175-1#0-0.009-0.15-PASS



Band4-3MHz-QPSK-20175-1#0-0.15-30-PASS



Band4-3MHz-QPSK-20175-1#0-30-1000-PASS



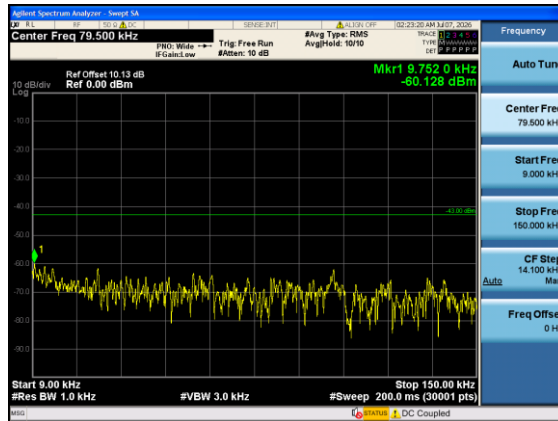
Band4-3MHz-QPSK-20175-1#0-1000-20000-PASS



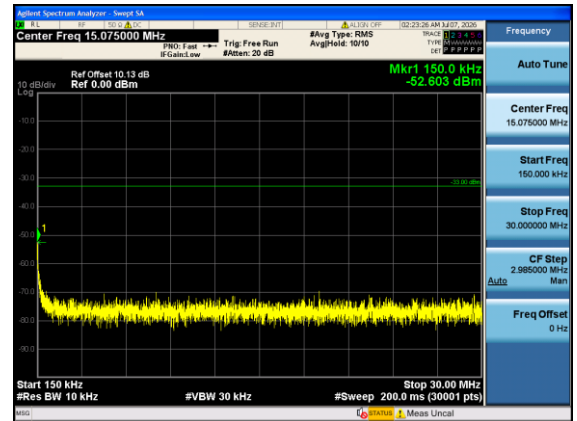
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

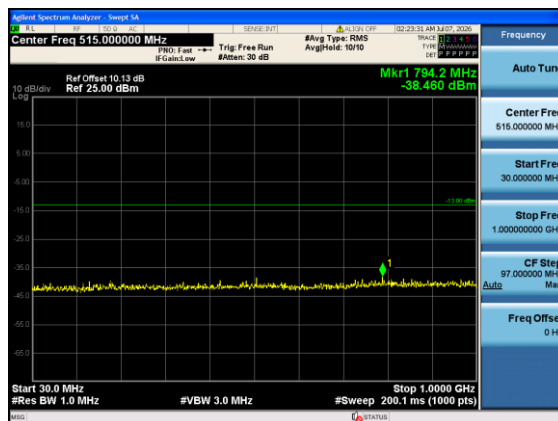
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



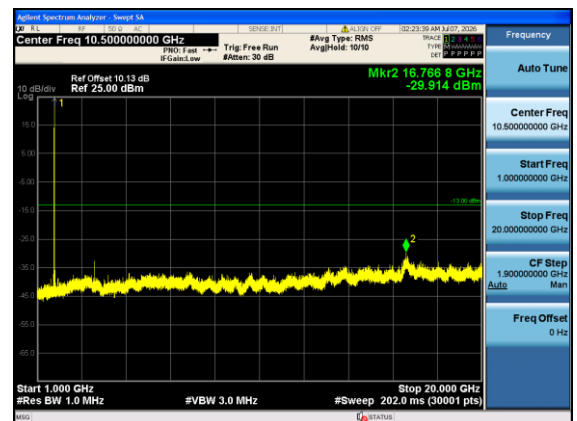
Band4-3MHz-16QAM-20175-1#0-0.009-0.15-PASS



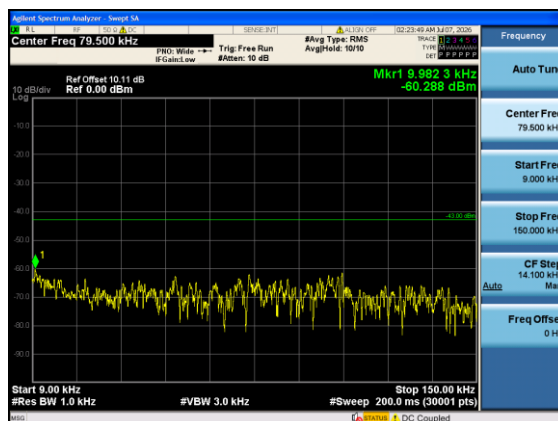
Band4-3MHz-16QAM-20175-1#0-0.15-30-PASS



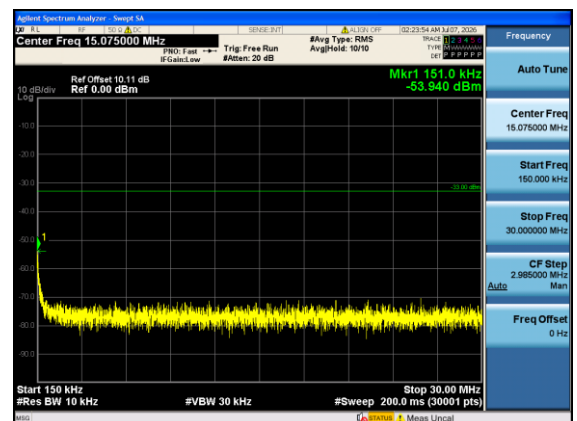
Band4-3MHz-16QAM-20175-1#0-30-1000-PASS



Band4-3MHz-16QAM-20175-1#0-1000-20000-PASS



Band4-3MHz-QPSK-20385-1#5-0.009-0.15-PASS

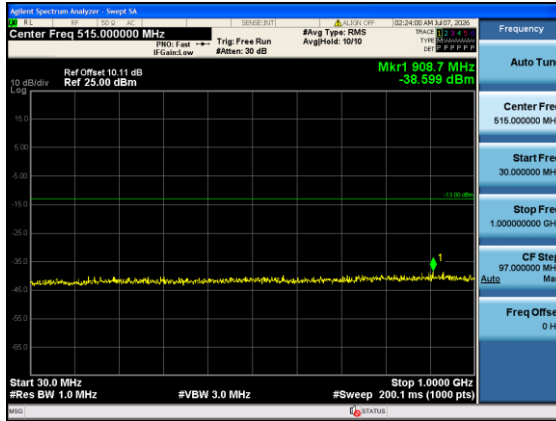


Band4-3MHz-QPSK-20385-1#5-0.15-30-PASS

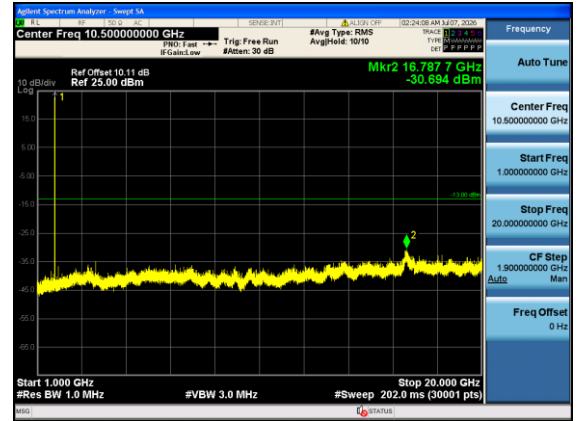


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

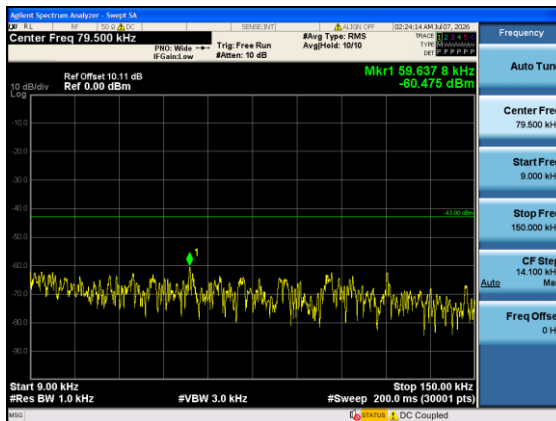
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



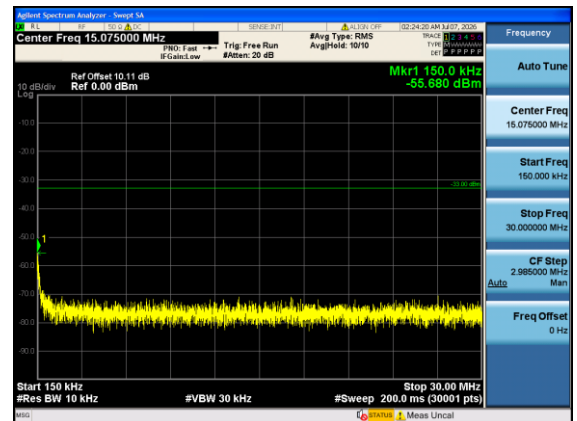
Band4-3MHz-QPSK-20385-1#5-30-1000-PASS



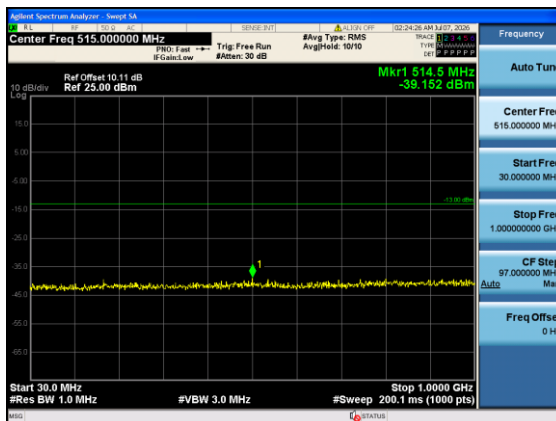
Band4-3MHz-QPSK-20385-1#5-1000-20000-PASS



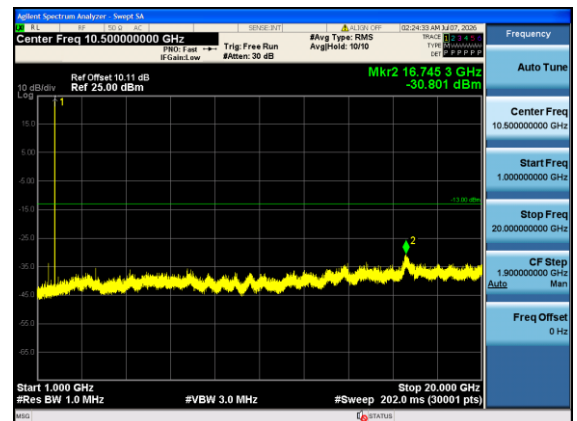
Band4-3MHz-16QAM-20385-1#5-0.009-0.15-PASS



Band4-3MHz-16QAM-20385-1#5-0.15-30-PASS



Band4-3MHz-16QAM-20385-1#5-30-1000-PASS



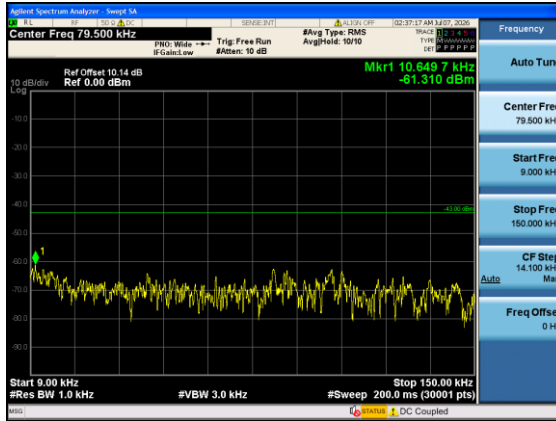
Band4-3MHz-16QAM-20385-1#5-1000-20000-PASS



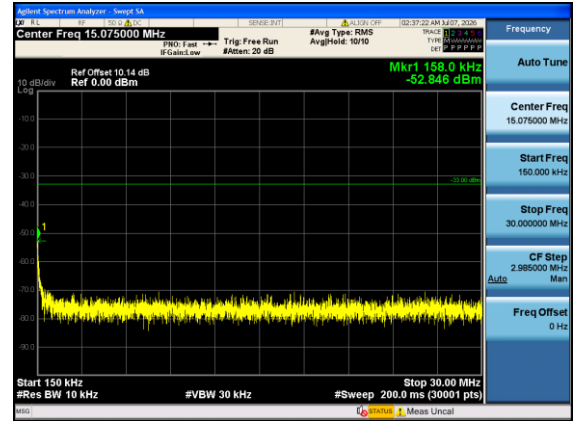
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

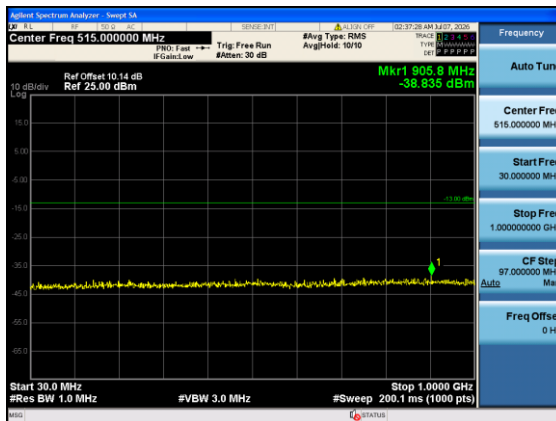
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



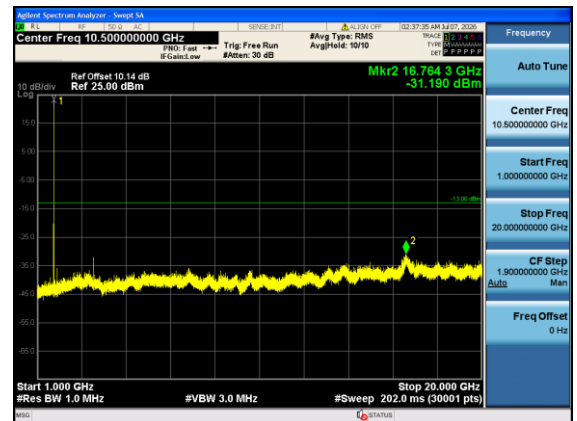
Band4-5MHz-QPSK-19975-1#0-0.009-0.15-PASS



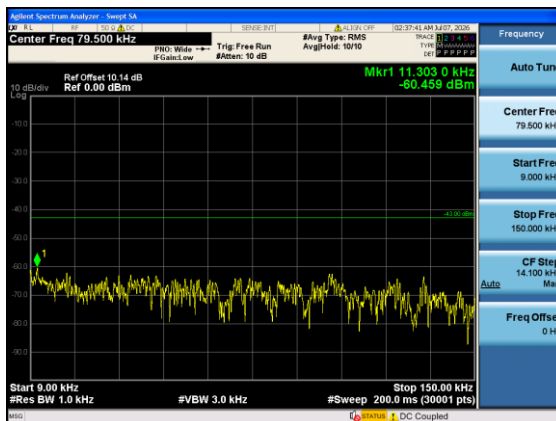
Band4-5MHz-QPSK-19975-1#0-0.15-30-PASS



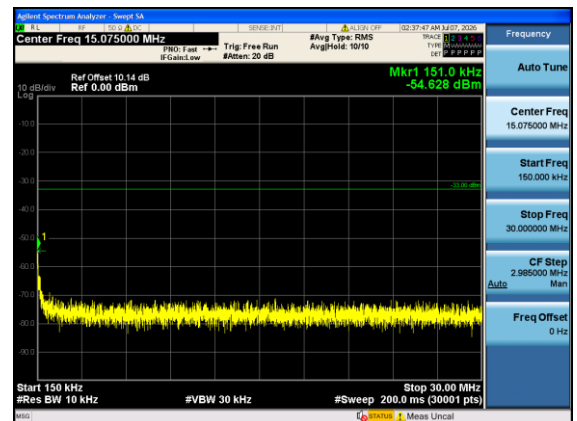
Band4-5MHz-QPSK-19975-1#0-30-1000-PASS



Band4-5MHz-QPSK-19975-1#0-1000-20000-PASS



Band4-5MHz-16QAM-19975-1#0-0.009-0.15-PASS

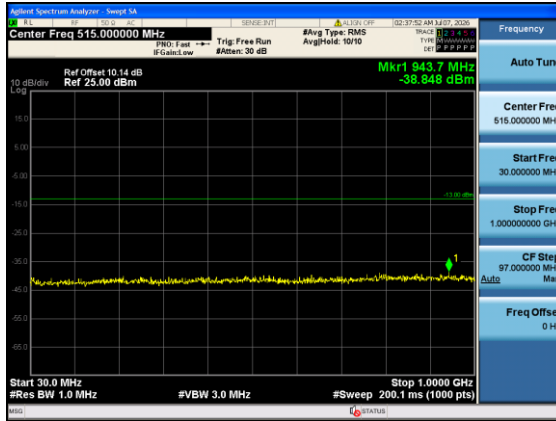


Band4-5MHz-16QAM-19975-1#0-0.15-30-PASS

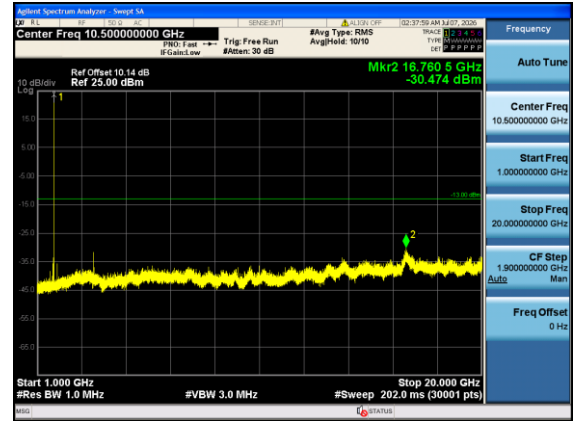


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

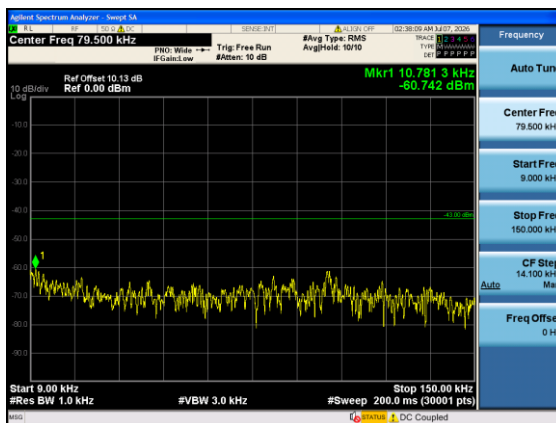
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com sgs.china@sgs.com
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com



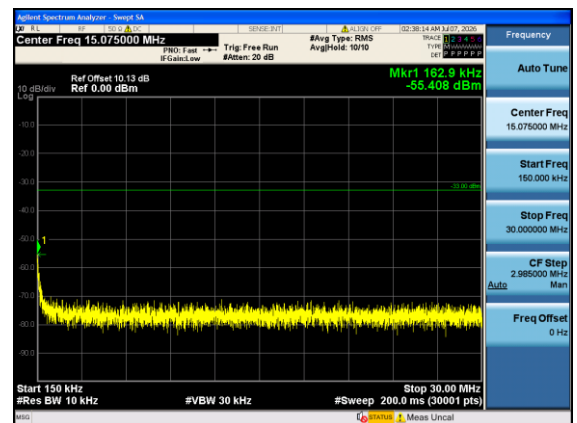
Band4-5MHz-16QAM-19975-1#0-30-1000-PASS



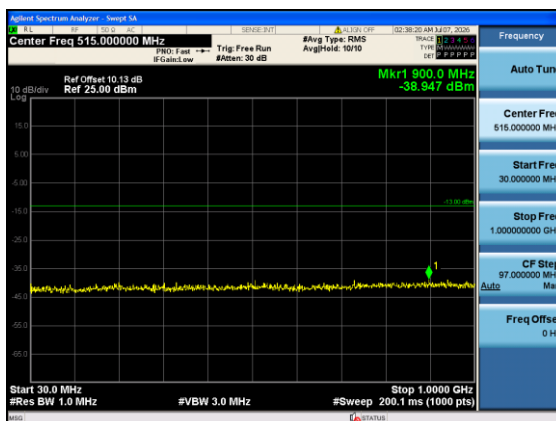
Band4-5MHz-16QAM-19975-1#0-1000-20000-PASS



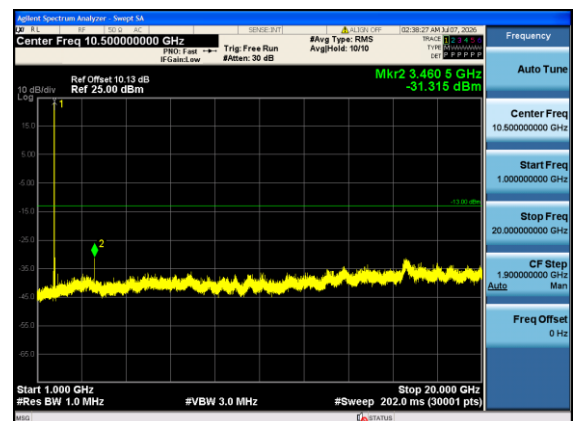
Band4-5MHz-QPSK-20175-1#0-0.009-0.15-PASS



Band4-5MHz-QPSK-20175-1#0-0.15-30-PASS



Band4-5MHz-QPSK-20175-1#0-30-1000-PASS



Band4-5MHz-QPSK-20175-1#0-1000-20000-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

Fuyong lab, Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86-755) 88663988 f (86-755) 26710594 www.sgs.com www.sgs.com.cn
中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86-755) 88663988 f (86-755) 26710594 sgs.china@sgs.com