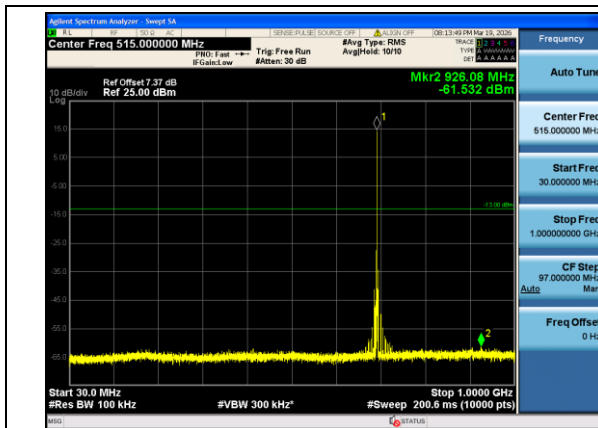
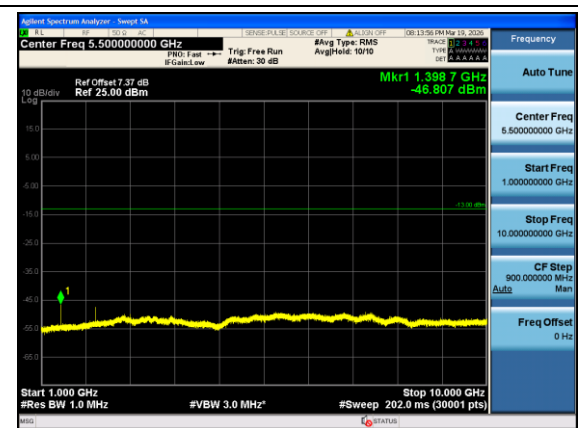
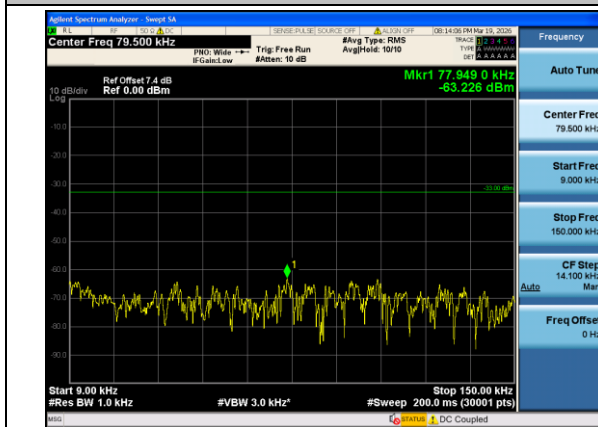




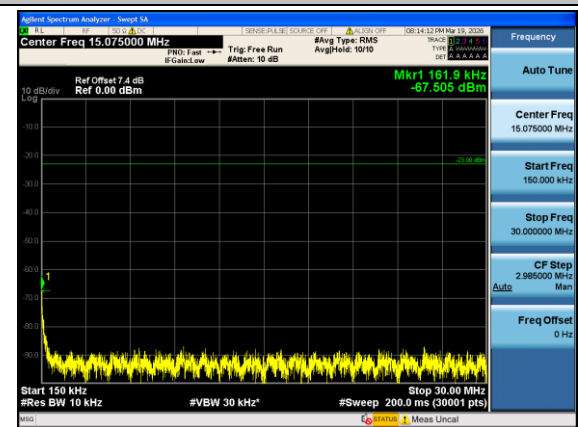
Band12-3MHz-16QAM-23025-1#0-30-1000-PASS



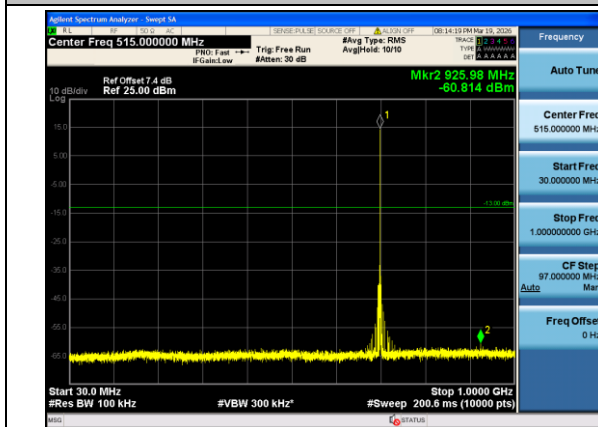
Band12-3MHz-16QAM-23025-1#0-1000-10000-PASS



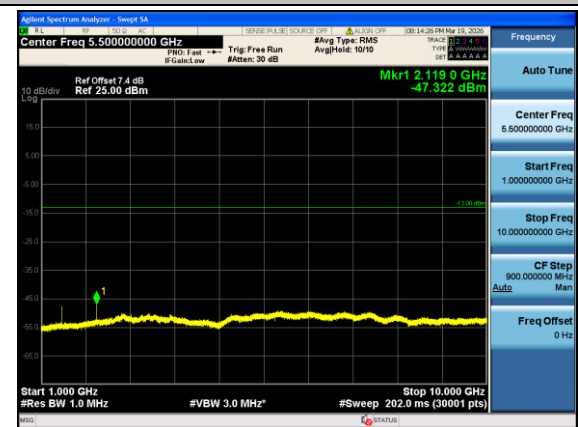
Band12-3MHz-QPSK-23095-1#0-0.009-0.15-PASS



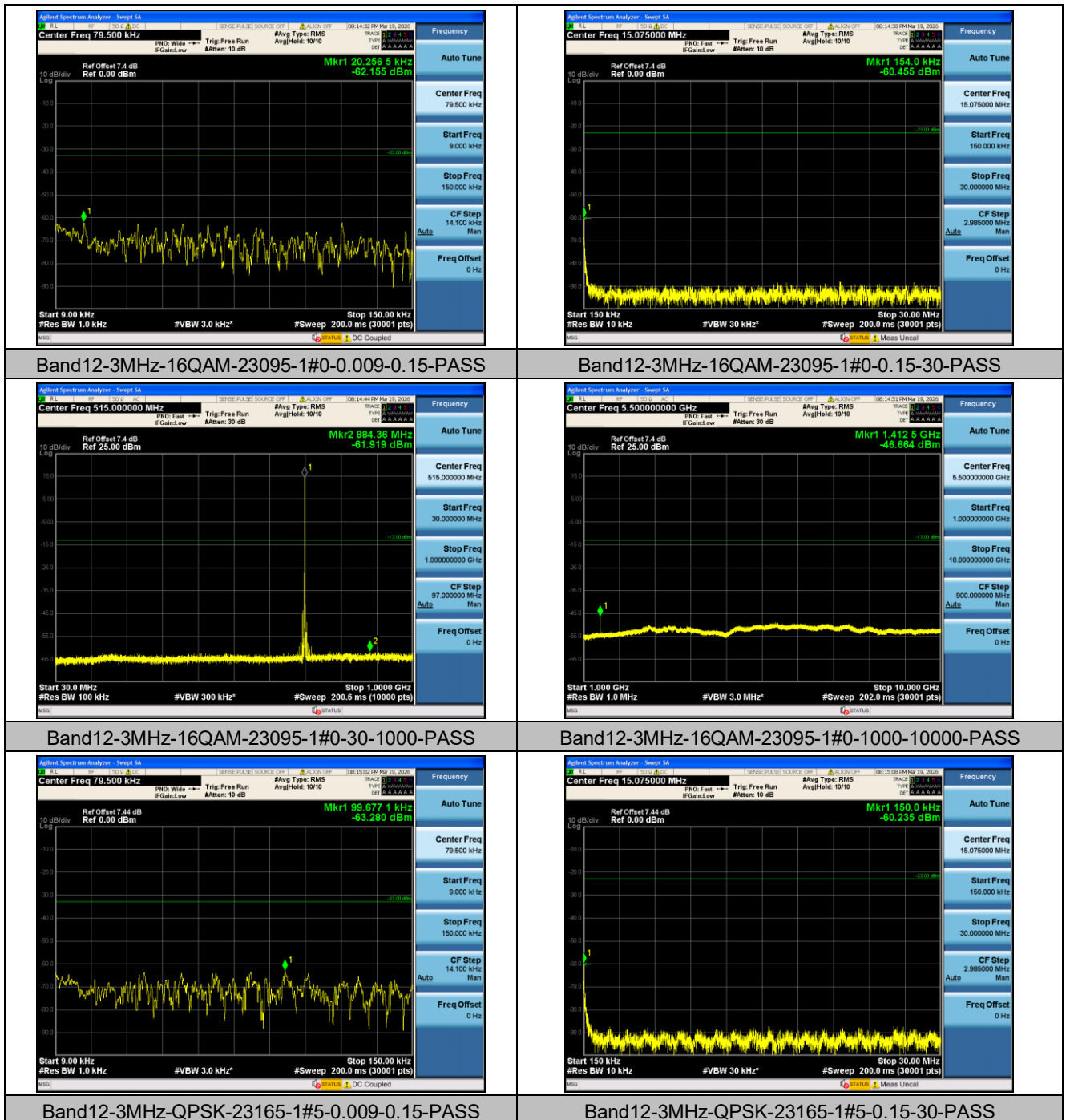
Band12-3MHz-QPSK-23095-1#0-0.15-30-PASS

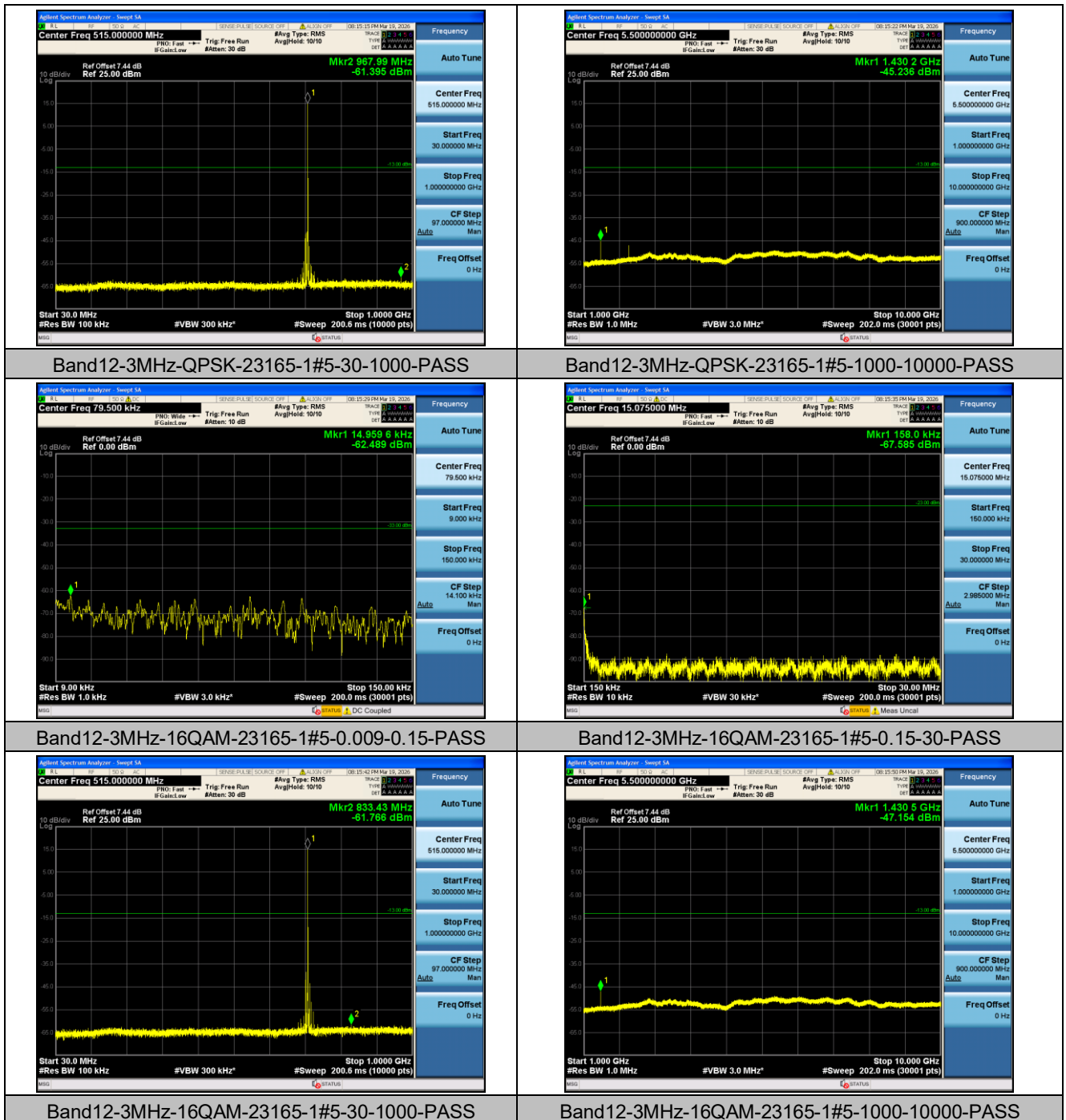


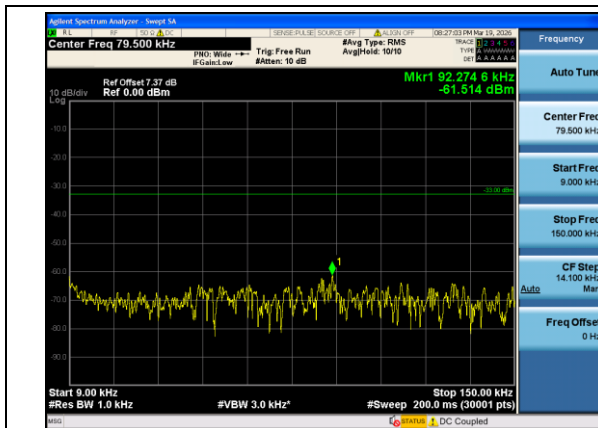
Band12-3MHz-QPSK-23095-1#0-30-1000-PASS



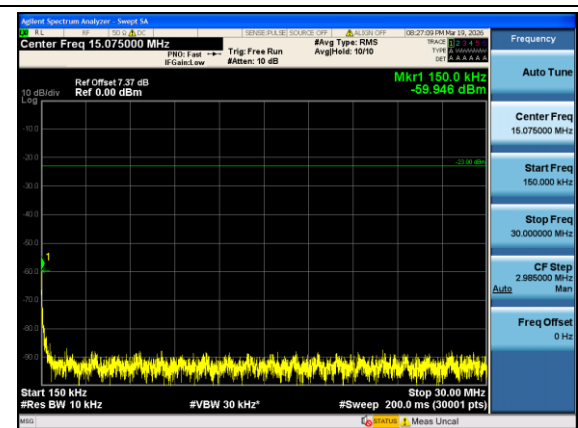
Band12-3MHz-QPSK-23095-1#0-1000-10000-PASS



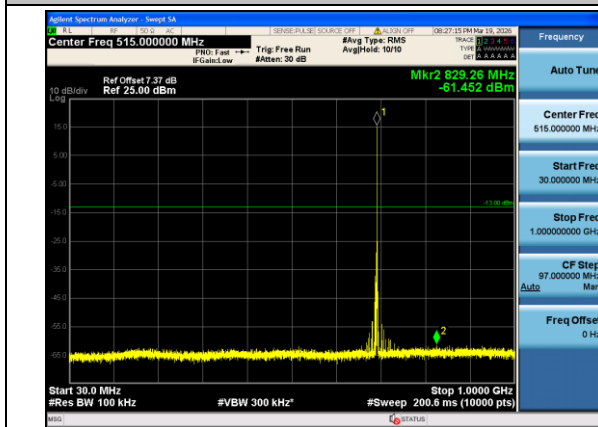




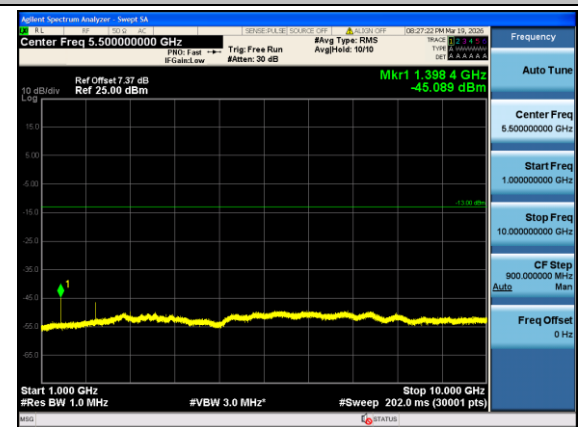
Band12-5MHz-QPSK-23035-1#0-0.009-0.15-PASS



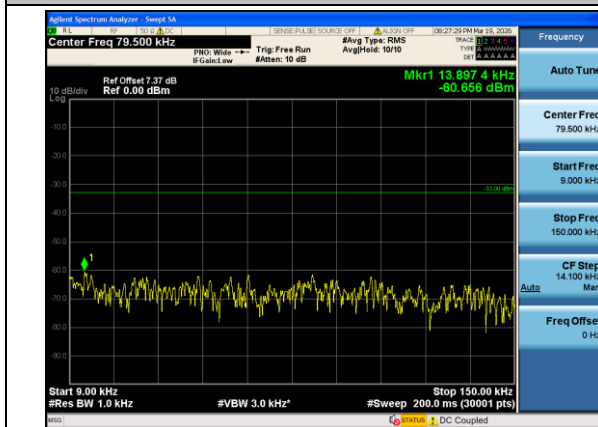
Band12-5MHz-QPSK-23035-1#0-0.15-30-PASS



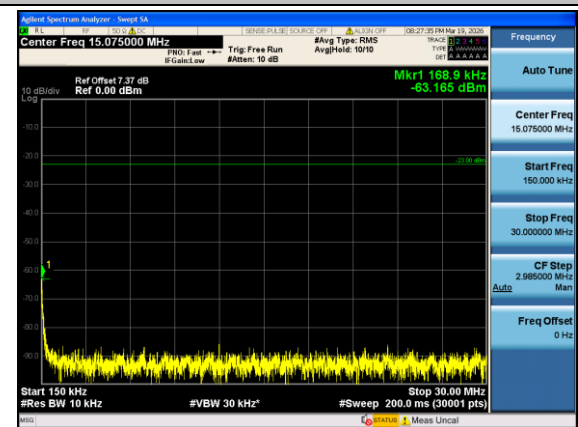
Band12-5MHz-QPSK-23035-1#0-30-1000-PASS



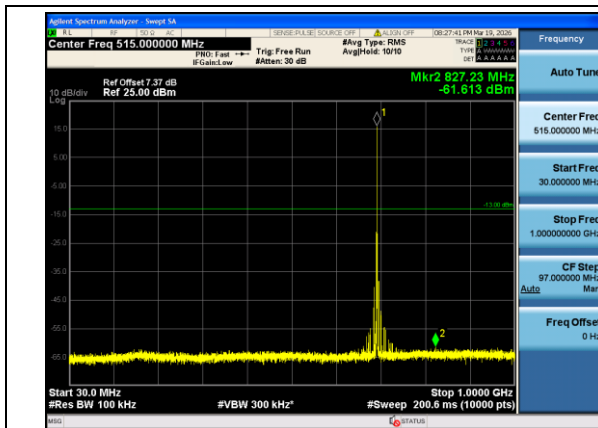
Band12-5MHz-QPSK-23035-1#0-1000-10000-PASS



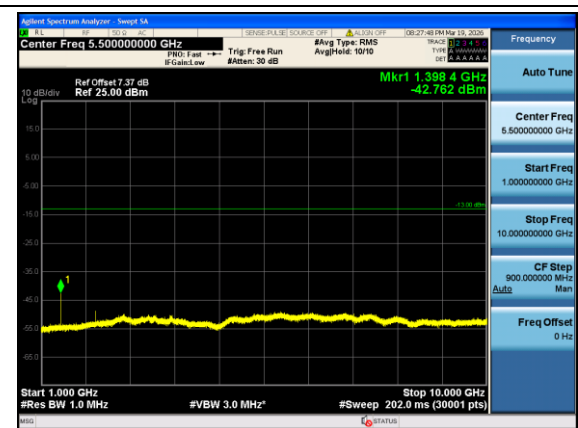
Band12-5MHz-16QAM-23035-1#0-0.009-0.15-PASS



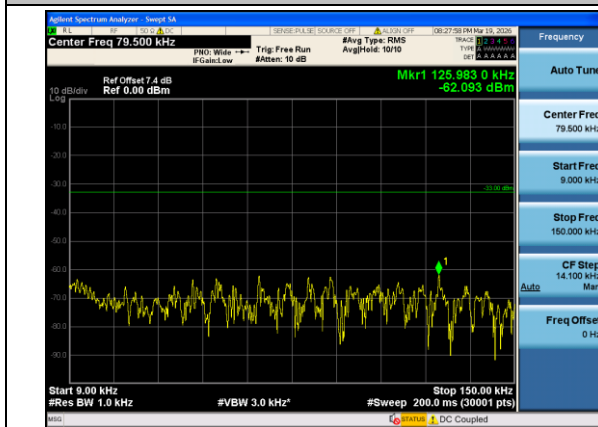
Band12-5MHz-16QAM-23035-1#0-0.15-30-PASS



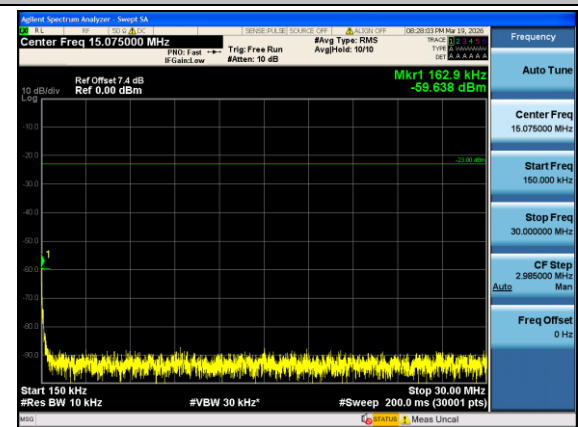
Band12-5MHz-16QAM-23035-1#0-30-1000-PASS



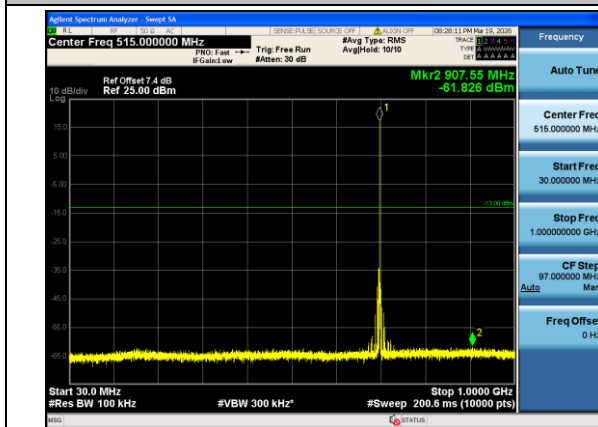
Band12-5MHz-16QAM-23035-1#0-1000-10000-PASS



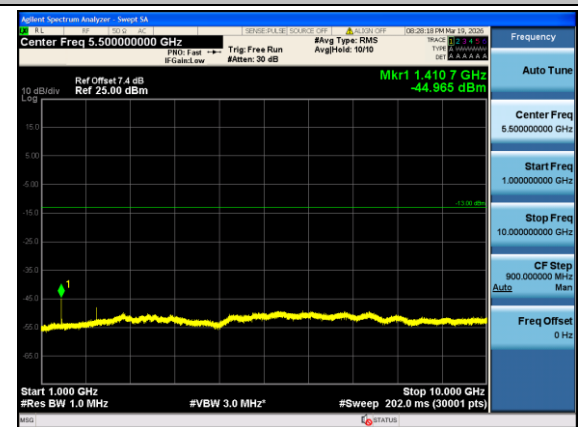
Band12-5MHz-QPSK-23095-1#0-0.009-0.15-PASS



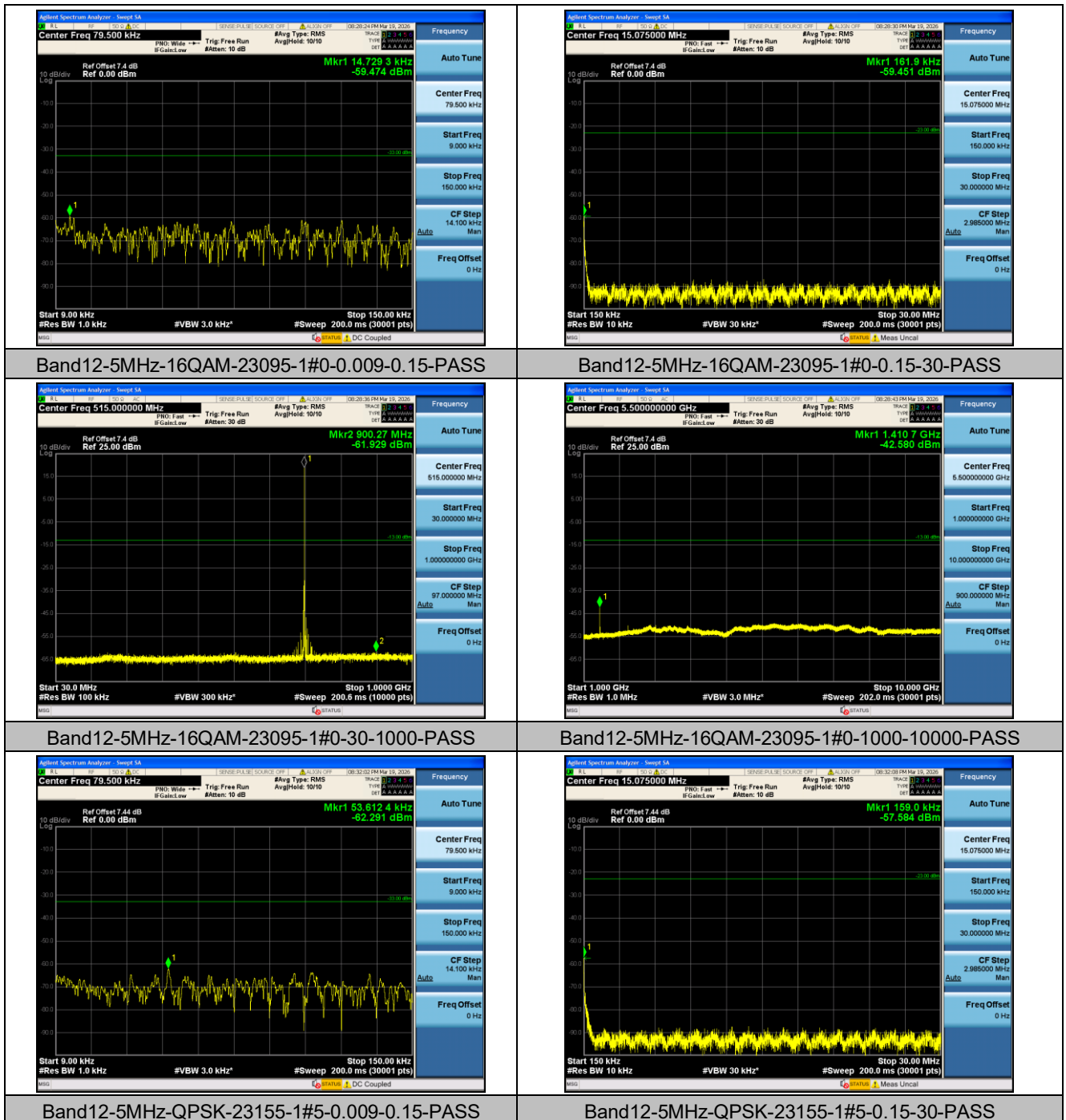
Band12-5MHz-QPSK-23095-1#0-0.15-30-PASS

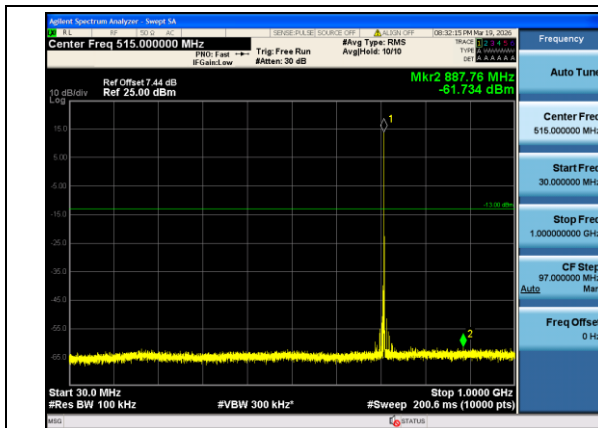


Band12-5MHz-QPSK-23095-1#0-30-1000-PASS

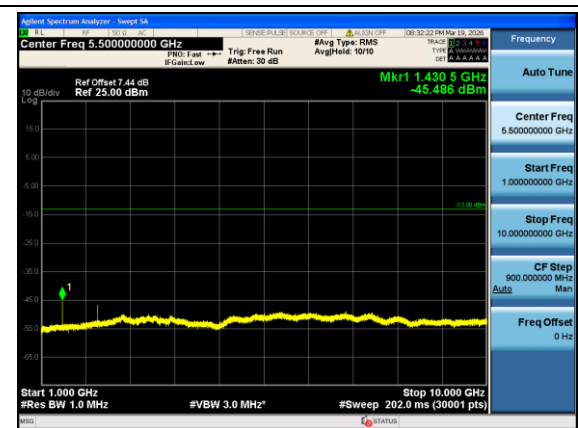


Band12-5MHz-QPSK-23095-1#0-1000-10000-PASS

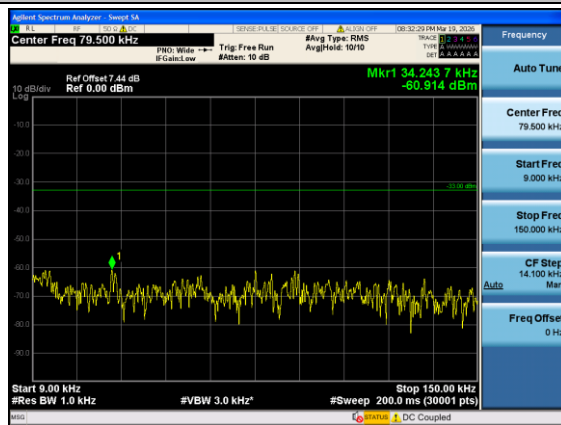




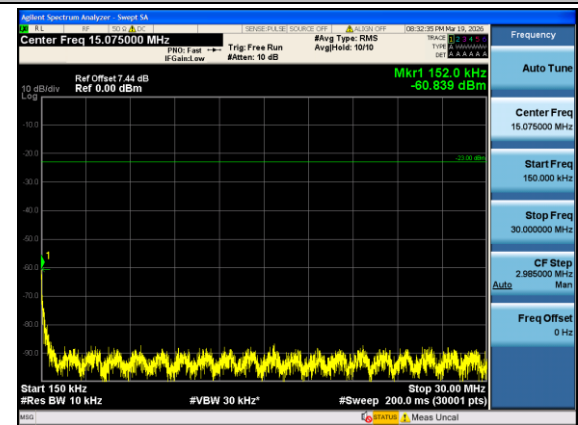
Band12-5MHz-QPSK-23155-1#5-30-1000-PASS



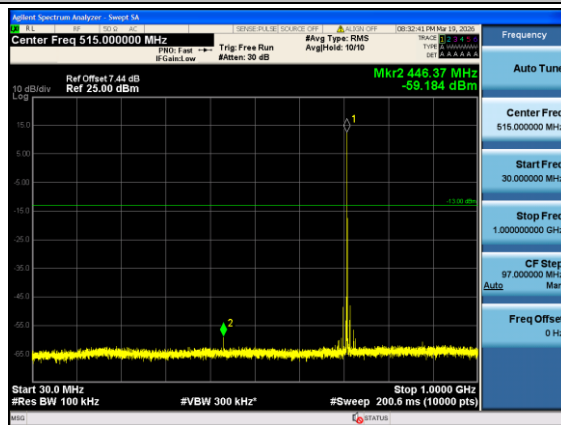
Band12-5MHz-QPSK-23155-1#5-1000-10000-PASS



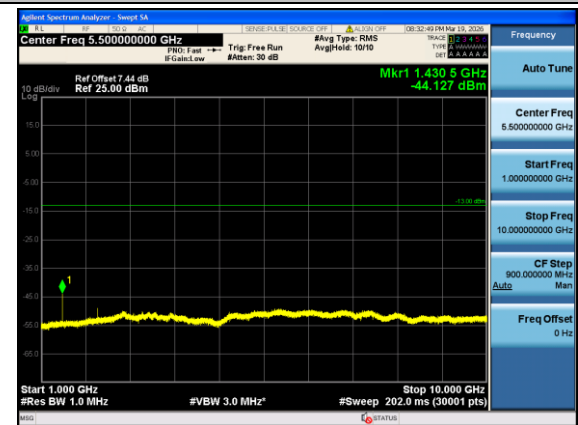
Band12-5MHz-16QAM-23155-1#5-0.009-0.15-PASS



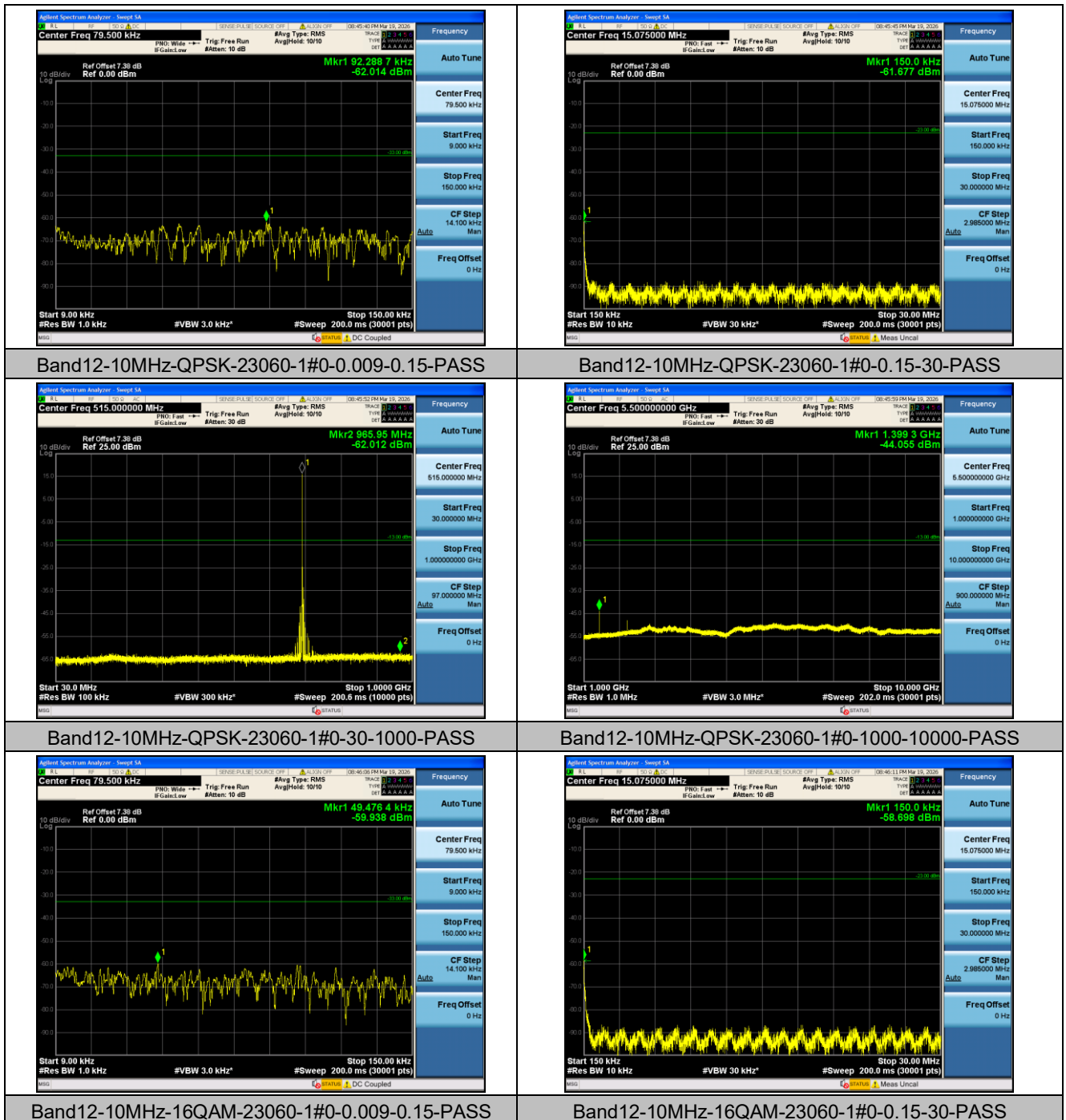
Band12-5MHz-16QAM-23155-1#5-0.15-30-PASS

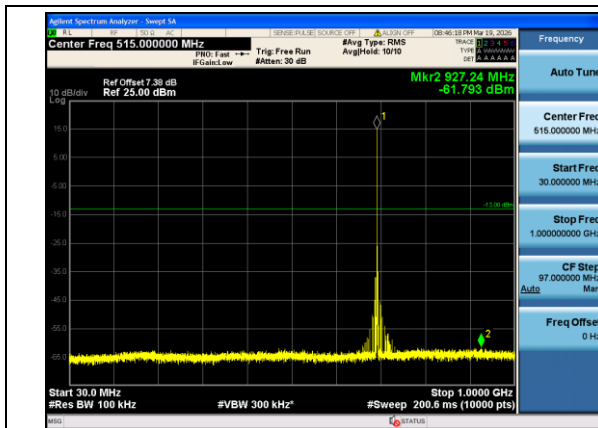


Band12-5MHz-16QAM-23155-1#5-30-1000-PASS

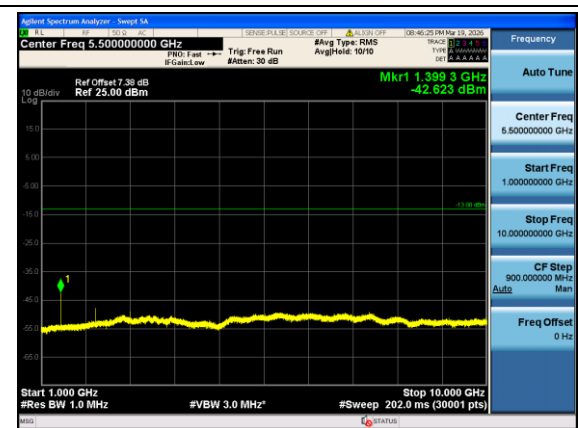


Band12-5MHz-16QAM-23155-1#5-1000-10000-PASS

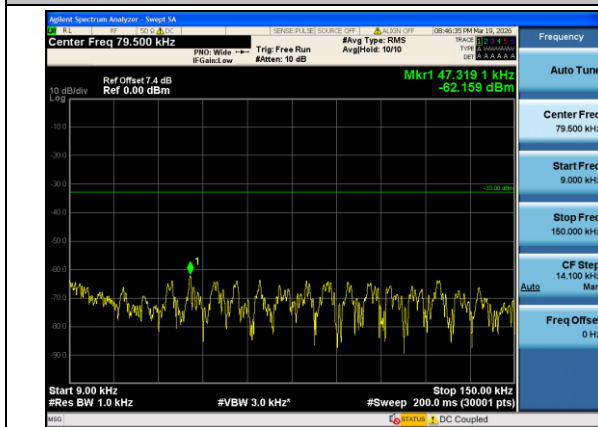




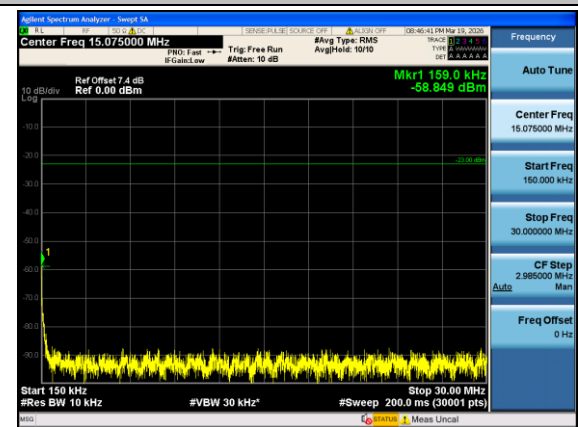
Band12-10MHz-16QAM-23060-1#0-30-1000-PASS



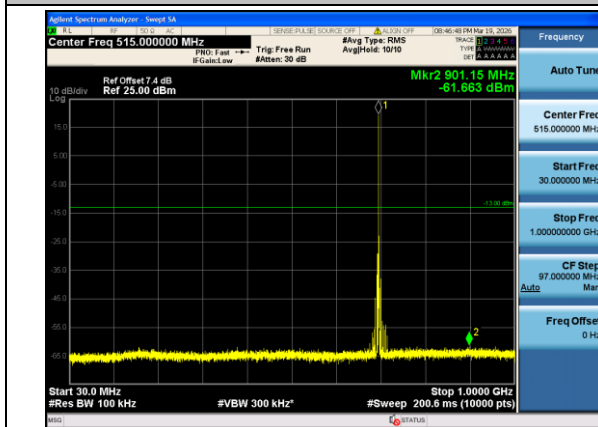
Band12-10MHz-16QAM-23060-1#0-1000-10000-PASS



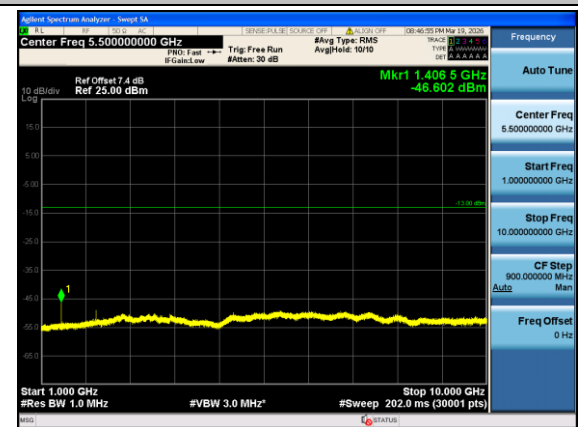
Band12-10MHz-QPSK-23095-1#0-0.009-0.15-PASS



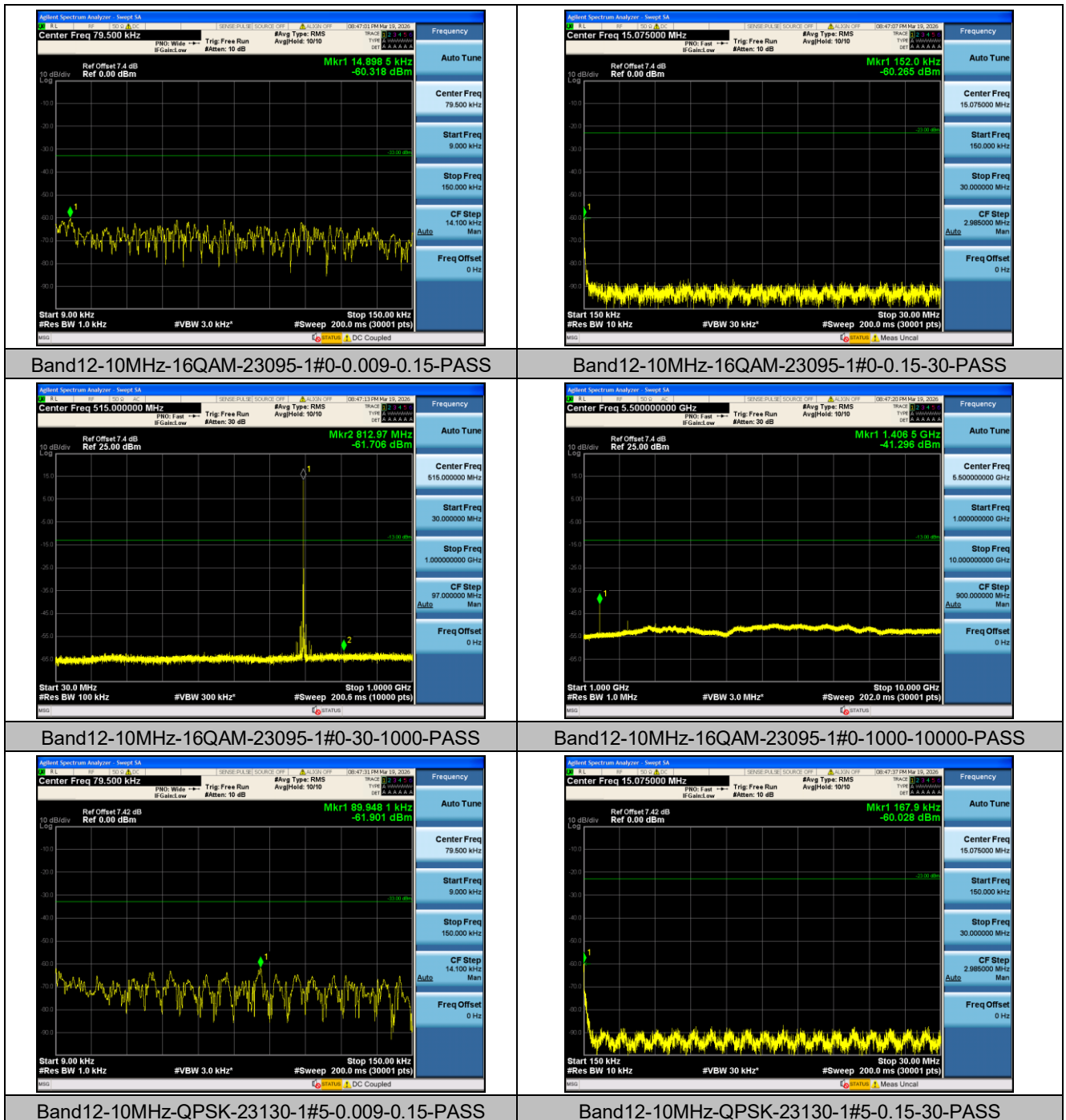
Band12-10MHz-QPSK-23095-1#0-0.15-30-PASS

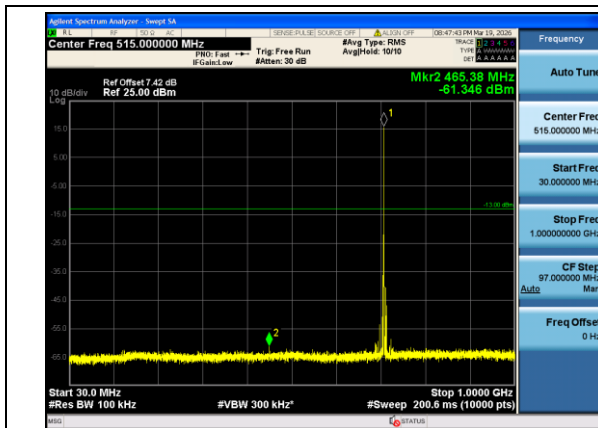


Band12-10MHz-QPSK-23095-1#0-30-1000-PASS

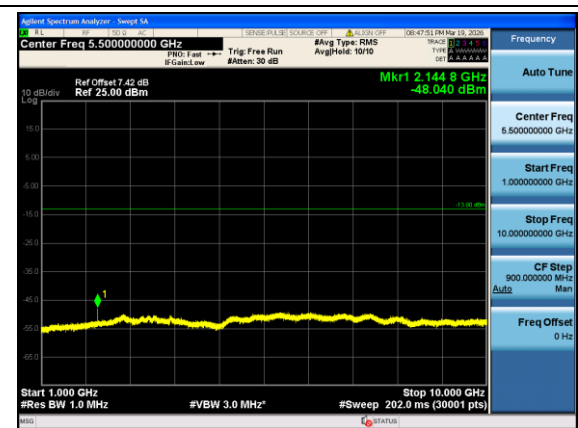


Band12-10MHz-QPSK-23095-1#0-1000-10000-PASS

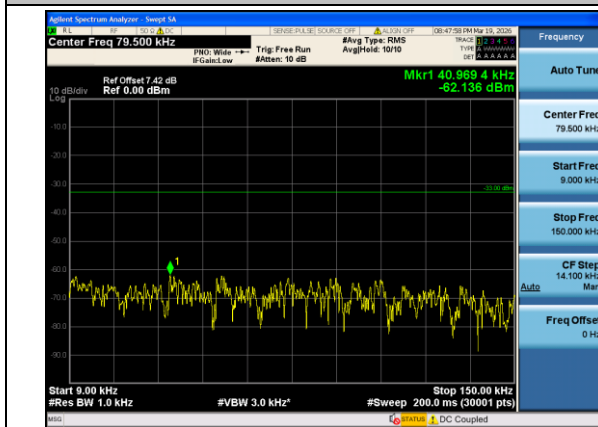




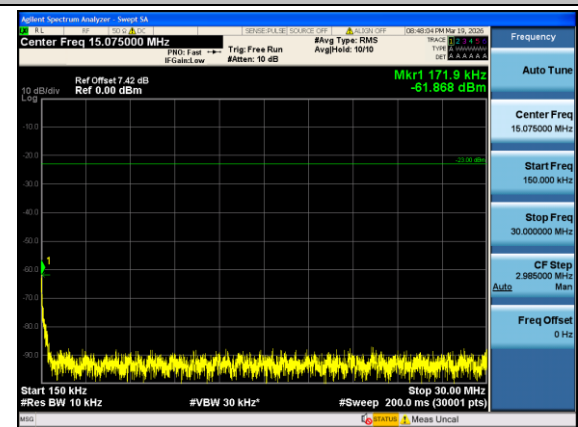
Band12-10MHz-QPSK-23130-1#5-30-1000-PASS



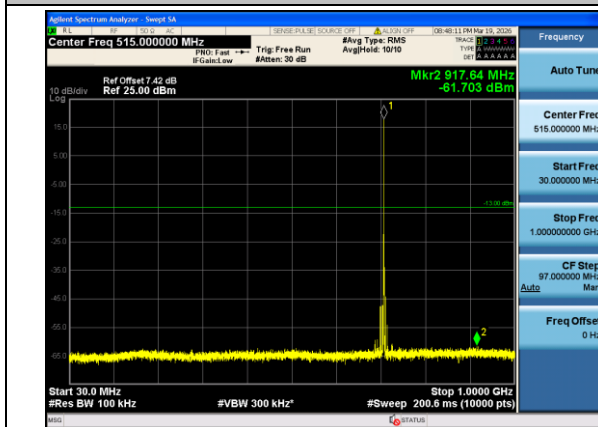
Band12-10MHz-QPSK-23130-1#5-1000-10000-PASS



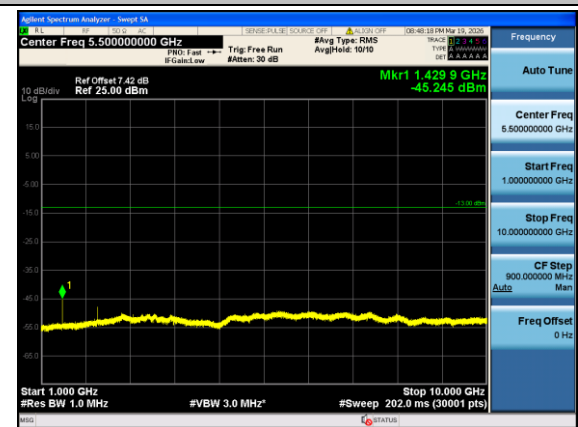
Band12-10MHz-16QAM-23130-1#5-0.009-0.15-PASS



Band12-10MHz-16QAM-23130-1#5-0.15-30-PASS



Band12-10MHz-16QAM-23130-1#5-30-1000-PASS



Band12-10MHz-16QAM-23130-1#5-1000-10000-PASS

2.6 Appendix F: Frequency Stability

2.6.1 Test Result

Voltage												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Voltage	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	VN	NT	-6.42	-0.009175	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	VL	NT	-6.77	-0.009676	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	VH	NT	-5.94	-0.008489	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	VN	NT	-5.38	-0.007689	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	VL	NT	-7.32	-0.010462	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	VH	NT	-4.29	-0.006131	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	VN	NT	-7.11	-0.010049	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	VL	NT	-6.90	-0.009753	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	VH	NT	-6.97	-0.009852	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	VN	NT	-6.28	-0.008876	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	VL	NT	-5.36	-0.007576	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	VH	NT	-6.31	-0.008919	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	VN	NT	-7.47	-0.010443	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	VL	NT	-6.71	-0.009381	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	VH	NT	-6.65	-0.009297	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	VN	NT	-7.48	-0.010457	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	VL	NT	-5.91	-0.008262	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	VH	NT	-6.35	-0.008877	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	VN	NT	3.66	0.005225	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	VL	NT	-2.86	-0.004083	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	3MHz	23025	QPSK	6	0	Low	VH	NT	2.80	0.003997	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	VN	NT	3.73	0.005325	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	VL	NT	-2.68	-0.003826	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	VH	NT	-2.36	-0.003369	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	VN	NT	-3.83	-0.005413	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	VL	NT	-4.78	-0.006756	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	VH	NT	-6.32	-0.008933	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	VN	NT	-6.45	-0.009117	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	VL	NT	-6.39	-0.009032	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	VH	NT	-6.65	-0.009399	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	VN	NT	4.25	0.005948	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	VL	NT	4.99	0.006984	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	VH	NT	6.21	0.008691	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	VN	NT	5.44	0.007614	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	VL	NT	4.78	0.006690	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	VH	NT	4.75	0.006648	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	VN	NT	-4.35	-0.006201	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	VL	NT	-4.73	-0.006743	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	VH	NT	-5.87	-0.008368	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	VN	NT	-3.45	-0.004918	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	VL	NT	-4.42	-0.006301	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	VH	NT	-4.13	-0.005887	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	VN	NT	-6.21	-0.008777	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	VL	NT	-6.39	-0.009032	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 Testing & Inspection Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	5MHz	23095	QPSK	6	0	Low	VH	NT	-4.39	-0.006205	±2.5	PASS
CatM1 Band12	5MHz	23095	16QAM	6	0	Low	VN	NT	-5.65	-0.007986	±2.5	PASS
CatM1 Band12	5MHz	23095	16QAM	6	0	Low	VL	NT	-4.82	-0.006813	±2.5	PASS
CatM1 Band12	5MHz	23095	16QAM	6	0	Low	VH	NT	-3.82	-0.005399	±2.5	PASS
CatM1 Band12	5MHz	23155	QPSK	6	0	High	VN	NT	-5.98	-0.008381	±2.5	PASS
CatM1 Band12	5MHz	23155	QPSK	6	0	High	VL	NT	-7.64	-0.010708	±2.5	PASS
CatM1 Band12	5MHz	23155	QPSK	6	0	High	VH	NT	-8.44	-0.011829	±2.5	PASS
CatM1 Band12	5MHz	23155	16QAM	6	0	High	VN	NT	-8.21	-0.011507	±2.5	PASS
CatM1 Band12	5MHz	23155	16QAM	6	0	High	VL	NT	-6.32	-0.008858	±2.5	PASS
CatM1 Band12	5MHz	23155	16QAM	6	0	High	VH	NT	-6.85	-0.009601	±2.5	PASS
CatM1 Band12	10MHz	23060	QPSK	6	0	Low	VN	NT	12.12	0.017216	±2.5	PASS
CatM1 Band12	10MHz	23060	QPSK	6	0	Low	VL	NT	12.15	0.017259	±2.5	PASS
CatM1 Band12	10MHz	23060	QPSK	6	0	Low	VH	NT	10.86	0.015426	±2.5	PASS
CatM1 Band12	10MHz	23060	16QAM	6	0	Low	VN	NT	11.69	0.016605	±2.5	PASS
CatM1 Band12	10MHz	23060	16QAM	6	0	Low	VL	NT	8.90	0.012642	±2.5	PASS
CatM1 Band12	10MHz	23060	16QAM	6	0	Low	VH	NT	9.21	0.013082	±2.5	PASS
CatM1 Band12	10MHz	23095	QPSK	6	0	Low	VN	NT	5.11	0.007223	±2.5	PASS
CatM1 Band12	10MHz	23095	QPSK	6	0	Low	VL	NT	4.38	0.006191	±2.5	PASS
CatM1 Band12	10MHz	23095	QPSK	6	0	Low	VH	NT	5.62	0.007943	±2.5	PASS
CatM1 Band12	10MHz	23095	16QAM	6	0	Low	VN	NT	4.82	0.006813	±2.5	PASS
CatM1 Band12	10MHz	23095	16QAM	6	0	Low	VL	NT	5.02	0.007095	±2.5	PASS
CatM1 Band12	10MHz	23095	16QAM	6	0	Low	VH	NT	3.68	0.005201	±2.5	PASS
CatM1 Band12	10MHz	23130	QPSK	6	0	High	VN	NT	8.03	0.011294	±2.5	PASS
CatM1 Band12	10MHz	23130	QPSK	6	0	High	VL	NT	9.68	0.013615	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 Testing & Calibration Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	10MHz	23130	QPSK	6	0	High	VH	NT	7.72	0.010858	±2.5	PASS
CatM1 Band12	10MHz	23130	16QAM	6	0	High	VN	NT	8.03	0.011294	±2.5	PASS
CatM1 Band12	10MHz	23130	16QAM	6	0	High	VL	NT	7.50	0.010549	±2.5	PASS
CatM1 Band12	10MHz	23130	16QAM	6	0	High	VH	NT	6.45	0.009072	±2.5	PASS

Temperature												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Voltage	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	-30	-7.08	-0.010119	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	-20	-6.54	-0.009347	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	-10	-5.24	-0.007489	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	0	-7.37	-0.010533	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	10	-6.29	-0.008990	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	20	-3.45	-0.004931	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	30	-4.89	-0.006989	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	40	-6.84	-0.009776	±2.5	PASS
CatM1 Band12	1.4MHz	23017	QPSK	6	0	Low	NV	50	-8.25	-0.011791	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	-30	-4.98	-0.007117	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	-20	-5.74	-0.008204	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	-10	-5.92	-0.008461	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	0	-6.25	-0.008932	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	10	-7.17	-0.010247	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	20	-5.19	-0.007417	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	30	-4.96	-0.007089	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	40	-4.98	-0.007117	±2.5	PASS
CatM1 Band12	1.4MHz	23017	16QAM	6	0	Low	NV	50	-5.76	-0.008232	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	-30	-6.69	-0.009456	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	-20	-8.21	-0.011604	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	-10	-6.24	-0.008820	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	0	-7.47	-0.010558	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	10	-8.61	-0.012170	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	20	-7.90	-0.011166	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	30	-8.38	-0.011845	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	40	-5.65	-0.007986	±2.5	PASS
CatM1 Band12	1.4MHz	23095	QPSK	6	0	Low	NV	50	-8.35	-0.011802	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	-30	-7.84	-0.011081	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	-20	-5.91	-0.008353	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	-10	-7.41	-0.010473	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	0	-5.21	-0.007364	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	10	-5.65	-0.007986	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	20	-6.75	-0.009541	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	30	-7.88	-0.011138	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	40	-6.08	-0.008594	±2.5	PASS
CatM1 Band12	1.4MHz	23095	16QAM	6	0	Low	NV	50	-5.62	-0.007943	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	-30	-7.34	-0.010261	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	-20	-7.87	-0.011002	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	-10	-6.84	-0.009562	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	0	-6.79	-0.009493	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	10	-8.08	-0.011296	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	20	-6.79	-0.009493	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	30	-6.42	-0.008975	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	40	-7.60	-0.010625	±2.5	PASS
CatM1 Band12	1.4MHz	23173	QPSK	6	0	High	NV	50	-6.32	-0.008835	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	-30	-8.67	-0.012121	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	-20	-7.48	-0.010457	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	-10	-7.84	-0.010960	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	0	-5.78	-0.008081	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	10	-6.04	-0.008444	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	20	-6.71	-0.009381	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	30	-6.31	-0.008821	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	40	-6.52	-0.009115	±2.5	PASS
CatM1 Band12	1.4MHz	23173	16QAM	6	0	High	NV	50	-4.69	-0.006557	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	-30	-2.40	-0.003426	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	-20	3.12	0.004454	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	-10	4.68	0.006681	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	0	-1.85	-0.002641	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	10	2.37	0.003383	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	20	-3.13	-0.004468	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	30	-2.37	-0.003383	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	40	2.39	0.003412	±2.5	PASS
CatM1 Band12	3MHz	23025	QPSK	6	0	Low	NV	50	3.32	0.004739	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	-30	1.70	0.002427	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	-20	2.65	0.003783	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	-10	2.43	0.003469	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	0	2.10	0.002998	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	10	3.02	0.004311	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	20	-3.69	-0.005268	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	30	-3.96	-0.005653	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	40	-3.96	-0.005653	±2.5	PASS
CatM1 Band12	3MHz	23025	16QAM	6	0	Low	NV	50	-3.83	-0.005468	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	-30	-4.32	-0.006106	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	-20	-5.38	-0.007604	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	-10	-4.62	-0.006530	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	0	-4.62	-0.006530	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	10	-5.58	-0.007887	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	20	-5.91	-0.008353	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	30	-5.31	-0.007505	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	40	-5.44	-0.007689	±2.5	PASS
CatM1 Band12	3MHz	23095	QPSK	6	0	Low	NV	50	-5.85	-0.008269	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	-30	-7.54	-0.010657	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	-20	-6.90	-0.009753	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	-10	-3.92	-0.005541	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	0	-4.66	-0.006587	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	10	-4.06	-0.005739	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	20	-4.94	-0.006982	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	30	-3.91	-0.005527	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	40	-4.73	-0.006686	±2.5	PASS
CatM1 Band12	3MHz	23095	16QAM	6	0	Low	NV	50	-3.52	-0.004975	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	-30	6.29	0.008803	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	-20	4.53	0.006340	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	-10	3.83	0.005360	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	0	6.04	0.008453	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	10	5.22	0.007306	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	20	4.16	0.005822	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	30	4.09	0.005724	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	40	3.16	0.004423	±2.5	PASS
CatM1 Band12	3MHz	23165	QPSK	6	0	High	NV	50	3.42	0.004787	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	-30	3.76	0.005262	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	-20	6.92	0.009685	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	-10	7.58	0.010609	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	0	6.48	0.009069	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	10	5.91	0.008272	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	20	5.89	0.008244	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	30	5.36	0.007502	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	40	5.14	0.007194	±2.5	PASS
CatM1 Band12	3MHz	23165	16QAM	6	0	High	NV	50	4.75	0.006648	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	-30	-5.94	-0.008468	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	-20	-5.75	-0.008197	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	-10	-4.05	-0.005773	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	0	-4.59	-0.006543	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	10	-5.21	-0.007427	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	20	-6.52	-0.009294	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com

CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	30	-4.79	-0.006828	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	40	-4.73	-0.006743	±2.5	PASS
CatM1 Band12	5MHz	23035	QPSK	6	0	Low	NV	50	-5.91	-0.008425	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	-30	-5.11	-0.007284	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	-20	-4.43	-0.006315	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	-10	-5.24	-0.007470	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	0	-2.50	-0.003564	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	10	-4.96	-0.007071	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	20	2.27	0.003236	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	30	-4.91	-0.006999	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	40	-5.04	-0.007185	±2.5	PASS
CatM1 Band12	5MHz	23035	16QAM	6	0	Low	NV	50	-3.73	-0.005317	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	-30	-6.17	-0.008721	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	-20	-4.38	-0.006191	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	-10	-6.78	-0.009583	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	0	-3.92	-0.005541	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	10	-5.75	-0.008127	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	20	-6.47	-0.009145	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	30	-5.59	-0.007901	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	40	-4.78	-0.006756	±2.5	PASS
CatM1 Band12	5MHz	23095	QPSK	6	0	Low	NV	50	-7.72	-0.010912	±2.5	PASS
CatM1 Band12	5MHz	23095	16QAM	6	0	Low	NV	-30	-3.91	-0.005527	±2.5	PASS
CatM1 Band12	5MHz	23095	16QAM	6	0	Low	NV	-20	-4.73	-0.006686	±2.5	PASS
CatM1 Band12	5MHz	23095	16QAM	6	0	Low	NV	-10	-3.99	-0.005640	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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 f (86-755) 26710594 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 f (86-755) 26710594 sgs.china@sgs.com