

Appendix: 2.4G Wi-Fi

Contents

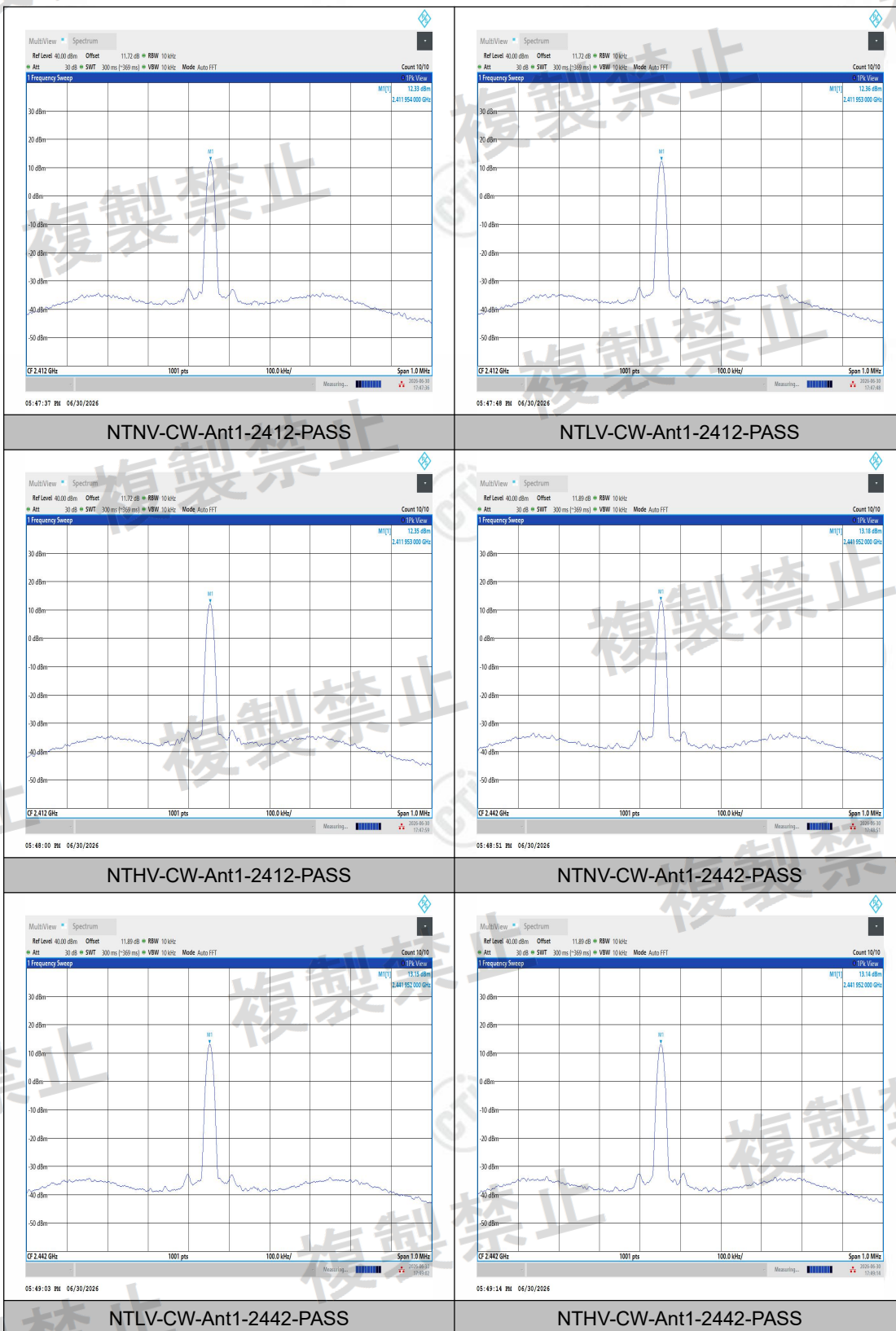
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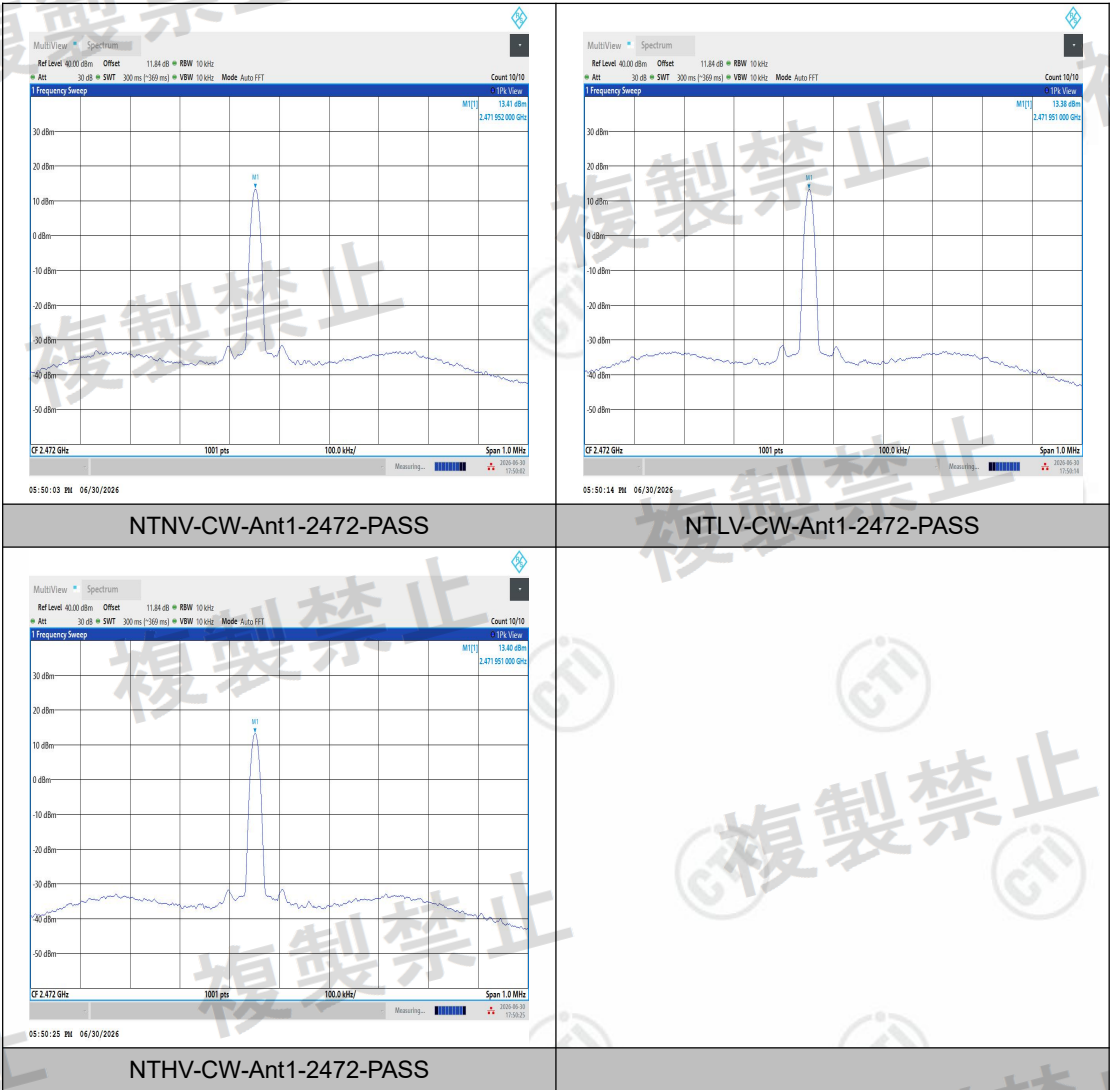
Appendix A: Frequency Error

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2412	2411.954	-19.07131	±50	PASS
NTLV	CW	Ant1	2412	2411.953	-19.48590	±50	PASS
NTHV	CW	Ant1	2412	2411.953	-19.48590	±50	PASS
NTNV	CW	Ant1	2442	2441.952	-19.65602	±50	PASS
NTLV	CW	Ant1	2442	2441.952	-19.65602	±50	PASS
NTHV	CW	Ant1	2442	2441.952	-19.65602	±50	PASS
NTNV	CW	Ant1	2472	2471.952	-19.41748	±50	PASS
NTLV	CW	Ant1	2472	2471.951	-19.82201	±50	PASS
NTHV	CW	Ant1	2472	2471.951	-19.82201	±50	PASS

Test Graphs





Appendix B: Antenna Power

Test Result PSD

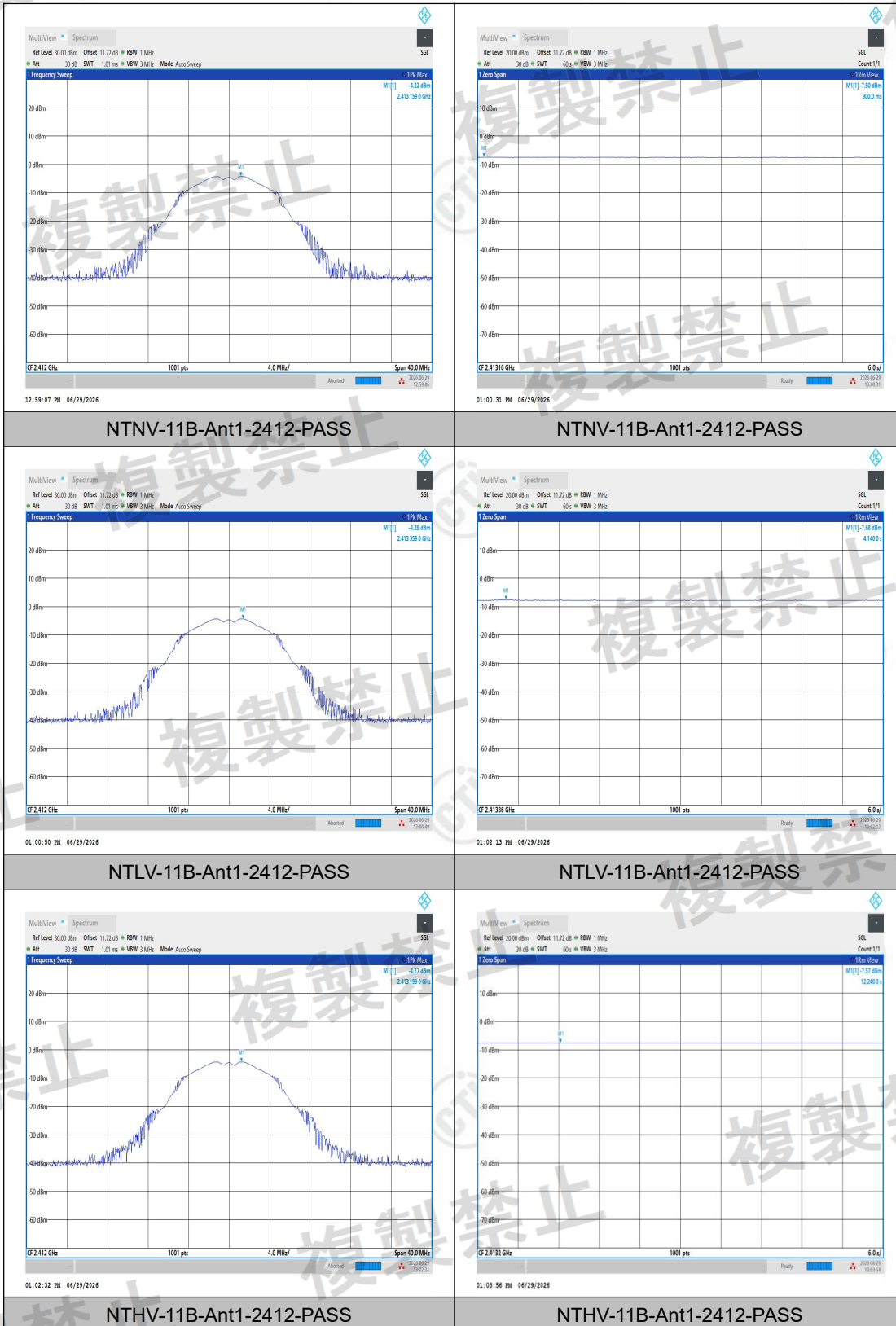
Test Mode	Antenna	Frequency [MHz]	Raw (dBm/MHz)	DC Factor [dBm]	Result [dBm/MHz]	Result(mW/MHz)	Limit(mW/MHz)	Verdict
11B	Ant1	2412	-7.50	0.14	-7.36	0.1837	≤10	PASS
11B	Ant1	2412	-7.68	0.14	-7.54	0.1762	≤10	PASS
11B	Ant1	2412	-7.57	0.14	-7.43	0.1807	≤10	PASS
11B	Ant1	2442	-6.67	0.04	-6.63	0.2173	≤10	PASS
11B	Ant1	2442	-6.74	0.04	-6.70	0.2138	≤10	PASS
11B	Ant1	2442	-6.71	0.04	-6.67	0.2153	≤10	PASS
11B	Ant1	2472	-6.55	0.04	-6.51	0.2234	≤10	PASS
11B	Ant1	2472	-6.29	0.04	-6.25	0.2371	≤10	PASS
11B	Ant1	2472	-6.24	0.04	-6.20	0.2399	≤10	PASS
11G	Ant1	2412	-18.08	5.72	-12.36	0.0581	≤10	PASS
11G	Ant1	2412	-17.87	5.72	-12.15	0.0610	≤10	PASS
11G	Ant1	2412	-18.73	5.72	-13.01	0.0500	≤10	PASS
11G	Ant1	2442	-17.58	5.71	-11.87	0.0650	≤10	PASS
11G	Ant1	2442	-17.41	5.71	-11.70	0.0676	≤10	PASS
11G	Ant1	2442	-17.63	5.71	-11.92	0.0643	≤10	PASS
11G	Ant1	2472	-17.08	5.71	-11.37	0.0729	≤10	PASS
11G	Ant1	2472	-16.91	5.71	-11.20	0.0759	≤10	PASS
11G	Ant1	2472	-17.13	5.71	-11.42	0.0721	≤10	PASS
11N20SISO	Ant1	2412	-18.64	6.00	-12.64	0.0545	≤10	PASS
11N20SISO	Ant1	2412	-18.71	6.00	-12.71	0.0536	≤10	PASS
11N20SISO	Ant1	2412	-18.74	6.00	-12.74	0.0532	≤10	PASS
11N20SISO	Ant1	2442	-18.00	6.04	-11.96	0.0637	≤10	PASS
11N20SISO	Ant1	2442	-17.87	6.04	-11.83	0.0656	≤10	PASS
11N20SISO	Ant1	2442	-17.97	6.04	-11.93	0.0641	≤10	PASS
11N20SISO	Ant1	2472	-17.69	6.04	-11.65	0.0684	≤10	PASS
11N20SISO	Ant1	2472	-17.62	6.04	-11.58	0.0695	≤10	PASS
11N20SISO	Ant1	2472	-17.41	6.04	-11.37	0.0729	≤10	PASS
11AX20SISO	Ant1	2412	-19.72	6.95	-12.77	0.0528	≤10	PASS
11AX20SISO	Ant1	2412	-19.60	6.95	-12.65	0.0543	≤10	PASS
11AX20SISO	Ant1	2412	-19.83	6.95	-12.88	0.0515	≤10	PASS
11AX20SISO	Ant1	2442	-19.03	6.95	-12.08	0.0619	≤10	PASS
11AX20SISO	Ant1	2442	-19.03	6.95	-12.08	0.0619	≤10	PASS
11AX20SISO	Ant1	2442	-18.94	6.95	-11.99	0.0632	≤10	PASS
11AX20SISO	Ant1	2472	-18.99	6.95	-12.04	0.0625	≤10	PASS
11AX20SISO	Ant1	2472	-18.56	6.95	-11.61	0.0690	≤10	PASS

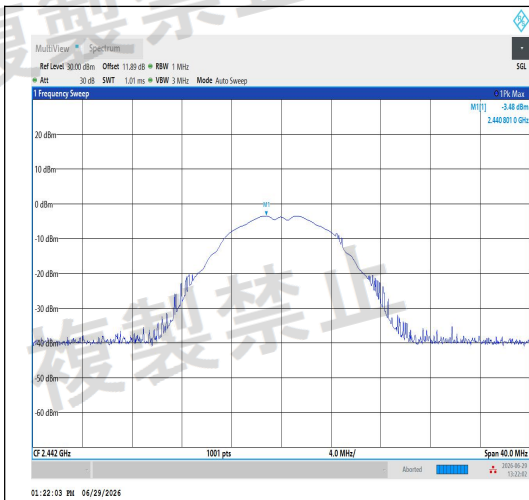
11AX20SISO	Ant1	2472	-18.58	6.95	-11.63	0.0687	≤10	PASS
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Test Condition	Test Mode	Antenna	Frequency[MHz]	Power (mW/MHz)	Rated Power (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	0.1837	0.25	-26.520	20	PASS
NTLV	11B	Ant1	2412	0.1762	0.25	-29.520	20	PASS
NTHV	11B	Ant1	2412	0.1807	0.25	-27.720	20	PASS
NTNV	11B	Ant1	2442	0.2173	0.25	-13.080	20	PASS
NTLV	11B	Ant1	2442	0.2138	0.25	-14.480	20	PASS
NTHV	11B	Ant1	2442	0.2153	0.25	-13.880	20	PASS
NTNV	11B	Ant1	2472	0.2234	0.25	-10.640	20	PASS
NTLV	11B	Ant1	2472	0.2371	0.25	-5.160	20	PASS
NTHV	11B	Ant1	2472	0.2399	0.25	-4.040	20	PASS
NTNV	11G	Ant1	2412	0.0581	0.07	-17.000	20	PASS
NTLV	11G	Ant1	2412	0.0610	0.07	-12.857	20	PASS
NTHV	11G	Ant1	2412	0.0500	0.07	-28.571	20	PASS
NTNV	11G	Ant1	2442	0.0650	0.07	-7.143	20	PASS
NTLV	11G	Ant1	2442	0.0676	0.07	-3.429	20	PASS
NTHV	11G	Ant1	2442	0.0643	0.07	-8.143	20	PASS
NTNV	11G	Ant1	2472	0.0729	0.07	4.143	20	PASS
NTLV	11G	Ant1	2472	0.0759	0.07	8.429	20	PASS
NTHV	11G	Ant1	2472	0.0721	0.07	3.000	20	PASS
NTNV	11N20SISO	Ant1	2412	0.0545	0.07	-22.143	20	PASS
NTLV	11N20SISO	Ant1	2412	0.0536	0.07	-23.429	20	PASS
NTHV	11N20SISO	Ant1	2412	0.0532	0.07	-24.000	20	PASS
NTNV	11N20SISO	Ant1	2442	0.0637	0.07	-9.000	20	PASS
NTLV	11N20SISO	Ant1	2442	0.0656	0.07	-6.286	20	PASS
NTHV	11N20SISO	Ant1	2442	0.0641	0.07	-8.429	20	PASS
NTNV	11N20SISO	Ant1	2472	0.0684	0.07	-2.286	20	PASS
NTLV	11N20SISO	Ant1	2472	0.0695	0.07	-0.714	20	PASS
NTHV	11N20SISO	Ant1	2472	0.0729	0.07	4.143	20	PASS
NTNV	11AX20SISO	Ant1	2412	0.0528	0.07	-24.571	20	PASS
NTLV	11AX20SISO	Ant1	2412	0.0543	0.07	-22.429	20	PASS
NTHV	11AX20SISO	Ant1	2412	0.0515	0.07	-26.429	20	PASS
NTNV	11AX20SISO	Ant1	2442	0.0619	0.07	-11.571	20	PASS
NTLV	11AX20SISO	Ant1	2442	0.0619	0.07	-11.571	20	PASS
NTHV	11AX20SISO	Ant1	2442	0.0632	0.07	-9.714	20	PASS
NTNV	11AX20SISO	Ant1	2472	0.0625	0.07	-10.714	20	PASS
NTLV	11AX20SISO	Ant1	2472	0.0690	0.07	-1.429	20	PASS
NTHV	11AX20SISO	Ant1	2472	0.0687	0.07	-1.857	20	PASS

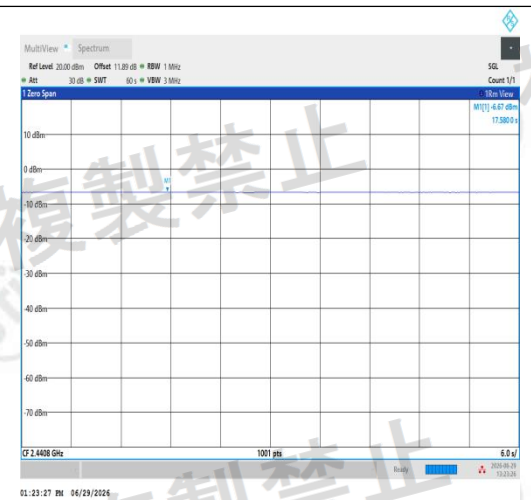
Test Condition	Test Mode	Antenna	Frequency[MHz]	Result(dBm/MHz)	EIRP(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTNV	11B	Ant1	2412	-7.36	-8.19	≤12.14	PASS
NTLV	11B	Ant1	2412	-7.54	-8.37	≤12.14	PASS
NTHV	11B	Ant1	2412	-7.43	-8.26	≤12.14	PASS
NTNV	11B	Ant1	2442	-6.63	-7.46	≤12.14	PASS
NTLV	11B	Ant1	2442	-6.70	-7.53	≤12.14	PASS
NTHV	11B	Ant1	2442	-6.67	-7.50	≤12.14	PASS
NTNV	11B	Ant1	2472	-6.51	-7.34	≤12.14	PASS
NTLV	11B	Ant1	2472	-6.25	-7.08	≤12.14	PASS
NTHV	11B	Ant1	2472	-6.20	-7.03	≤12.14	PASS
NTNV	11G	Ant1	2412	-12.36	-13.19	≤12.14	PASS
NTLV	11G	Ant1	2412	-12.15	-12.98	≤12.14	PASS
NTHV	11G	Ant1	2412	-13.01	-13.84	≤12.14	PASS
NTNV	11G	Ant1	2442	-11.87	-12.70	≤12.14	PASS
NTLV	11G	Ant1	2442	-11.70	-12.53	≤12.14	PASS
NTHV	11G	Ant1	2442	-11.92	-12.75	≤12.14	PASS
NTNV	11G	Ant1	2472	-11.37	-12.20	≤12.14	PASS
NTLV	11G	Ant1	2472	-11.20	-12.03	≤12.14	PASS
NTHV	11G	Ant1	2472	-11.42	-12.25	≤12.14	PASS
NTNV	11N20SISO	Ant1	2412	-12.64	-13.47	≤12.14	PASS
NTLV	11N20SISO	Ant1	2412	-12.71	-13.54	≤12.14	PASS
NTHV	11N20SISO	Ant1	2412	-12.74	-13.57	≤12.14	PASS
NTNV	11N20SISO	Ant1	2442	-11.96	-12.79	≤12.14	PASS
NTLV	11N20SISO	Ant1	2442	-11.83	-12.66	≤12.14	PASS
NTHV	11N20SISO	Ant1	2442	-11.93	-12.76	≤12.14	PASS
NTNV	11N20SISO	Ant1	2472	-11.65	-12.48	≤12.14	PASS
NTLV	11N20SISO	Ant1	2472	-11.58	-12.41	≤12.14	PASS
NTHV	11N20SISO	Ant1	2472	-11.37	-12.20	≤12.14	PASS
NTNV	11AX20SISO	Ant1	2412	-12.77	-13.60	≤12.14	PASS
NTLV	11AX20SISO	Ant1	2412	-12.65	-13.48	≤12.14	PASS
NTHV	11AX20SISO	Ant1	2412	-12.88	-13.71	≤12.14	PASS
NTNV	11AX20SISO	Ant1	2442	-12.08	-12.91	≤12.14	PASS
NTLV	11AX20SISO	Ant1	2442	-12.08	-12.91	≤12.14	PASS
NTHV	11AX20SISO	Ant1	2442	-11.99	-12.82	≤12.14	PASS
NTNV	11AX20SISO	Ant1	2472	-12.04	-12.87	≤12.14	PASS
NTLV	11AX20SISO	Ant1	2472	-11.61	-12.44	≤12.14	PASS
NTHV	11AX20SISO	Ant1	2472	-11.63	-12.46	≤12.14	PASS

Test Graphs

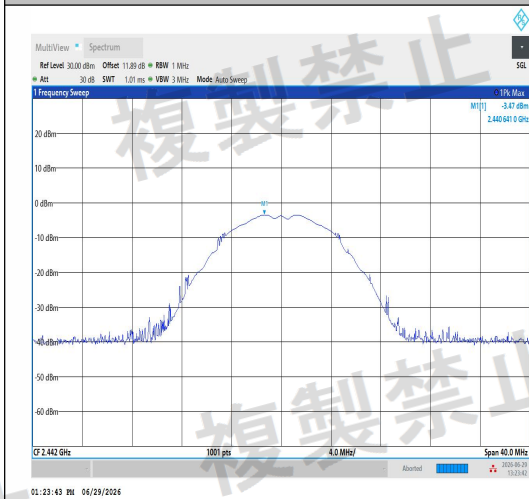




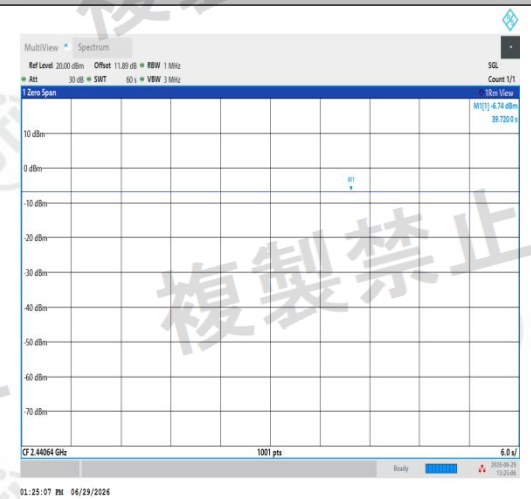
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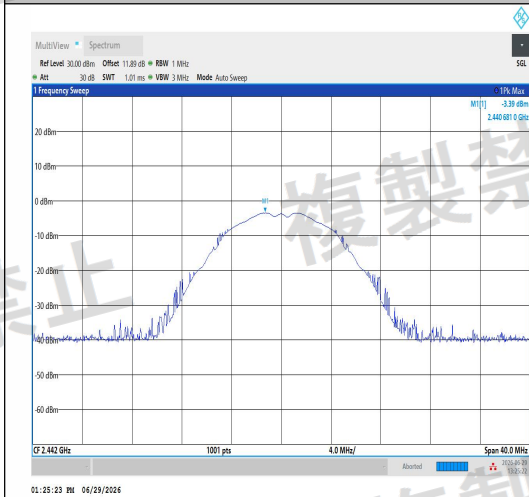
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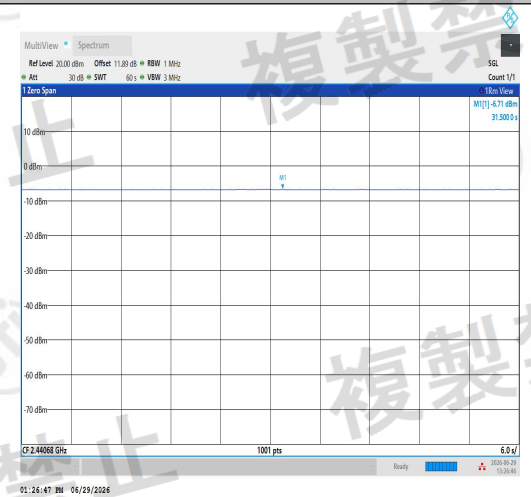
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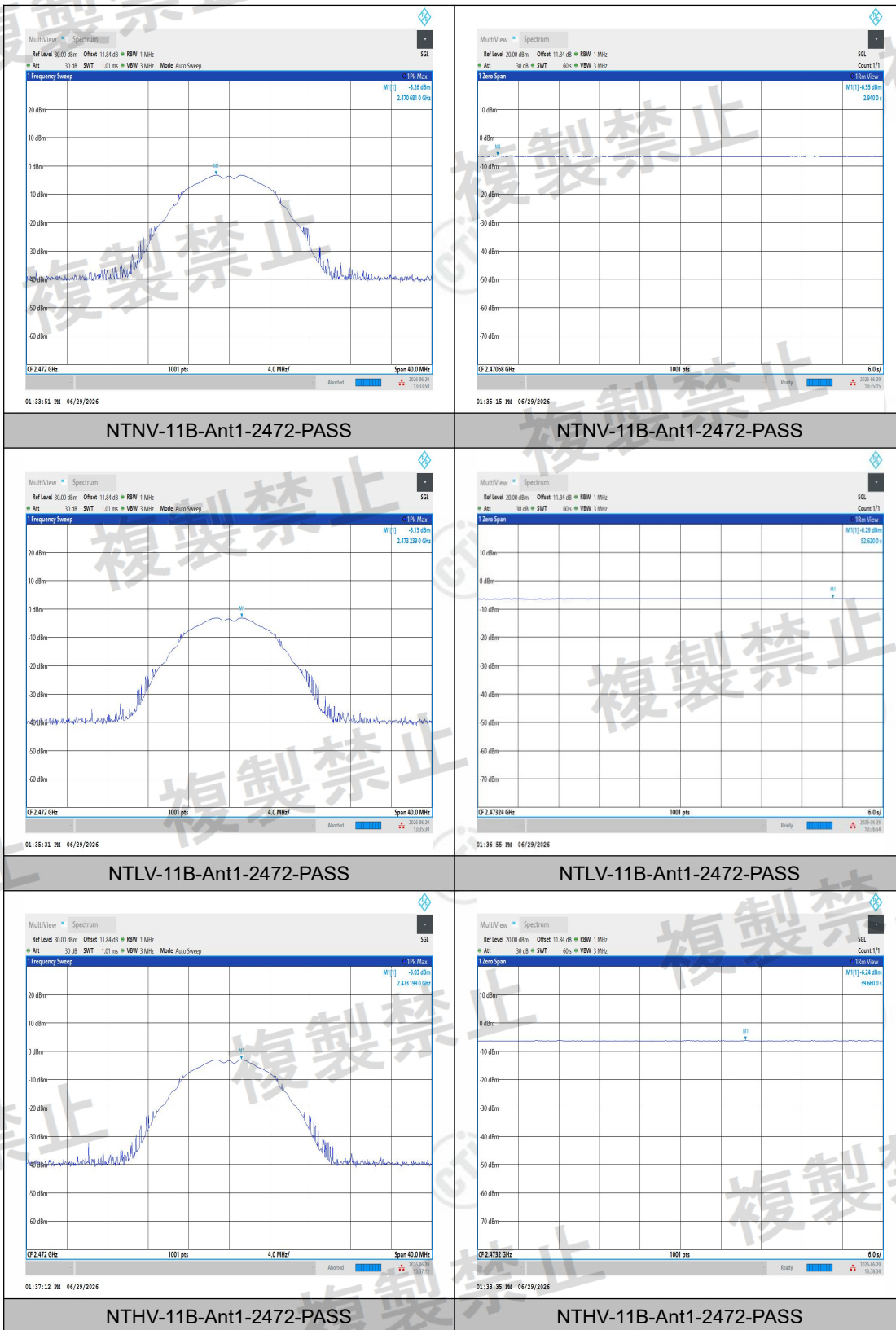
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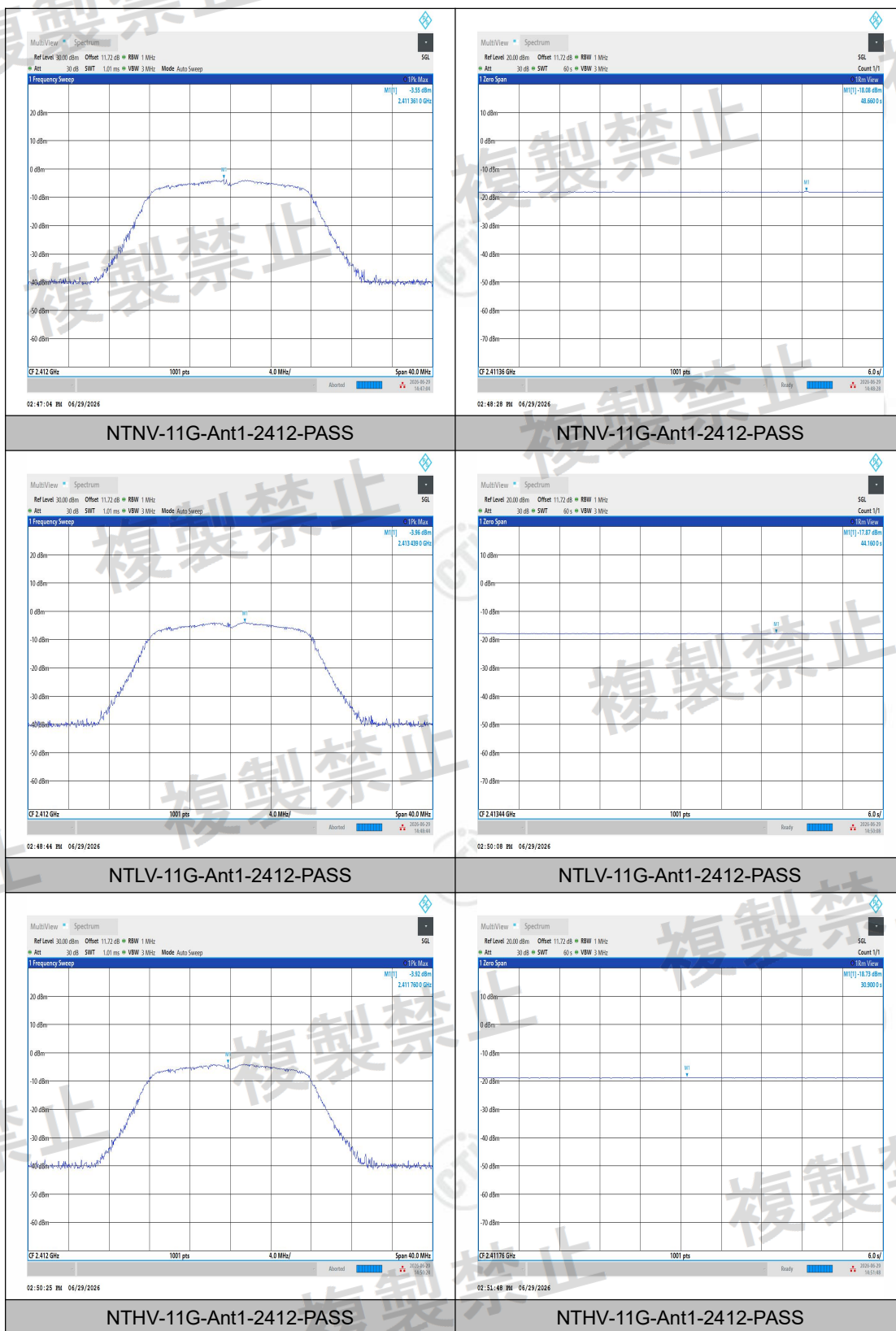


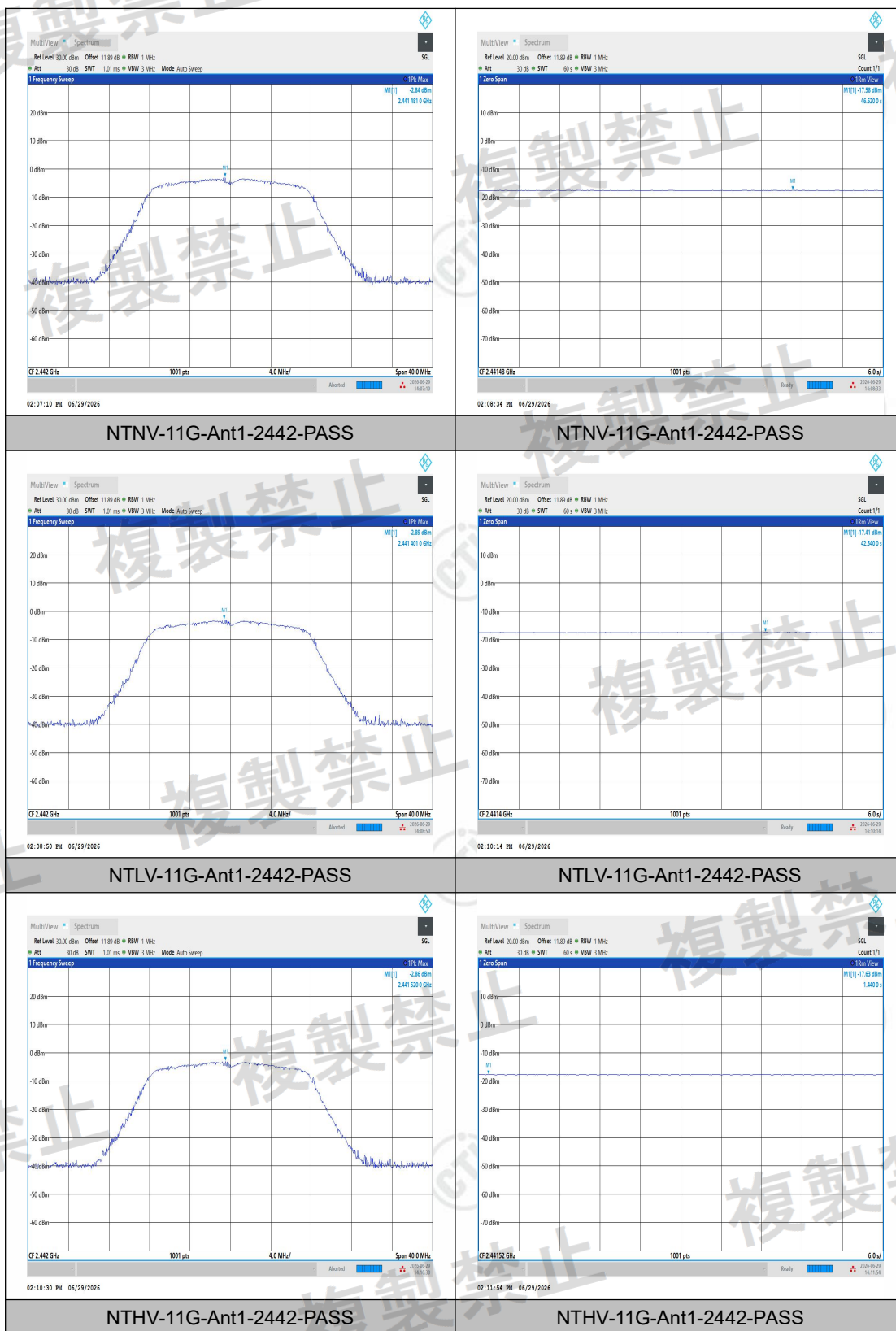
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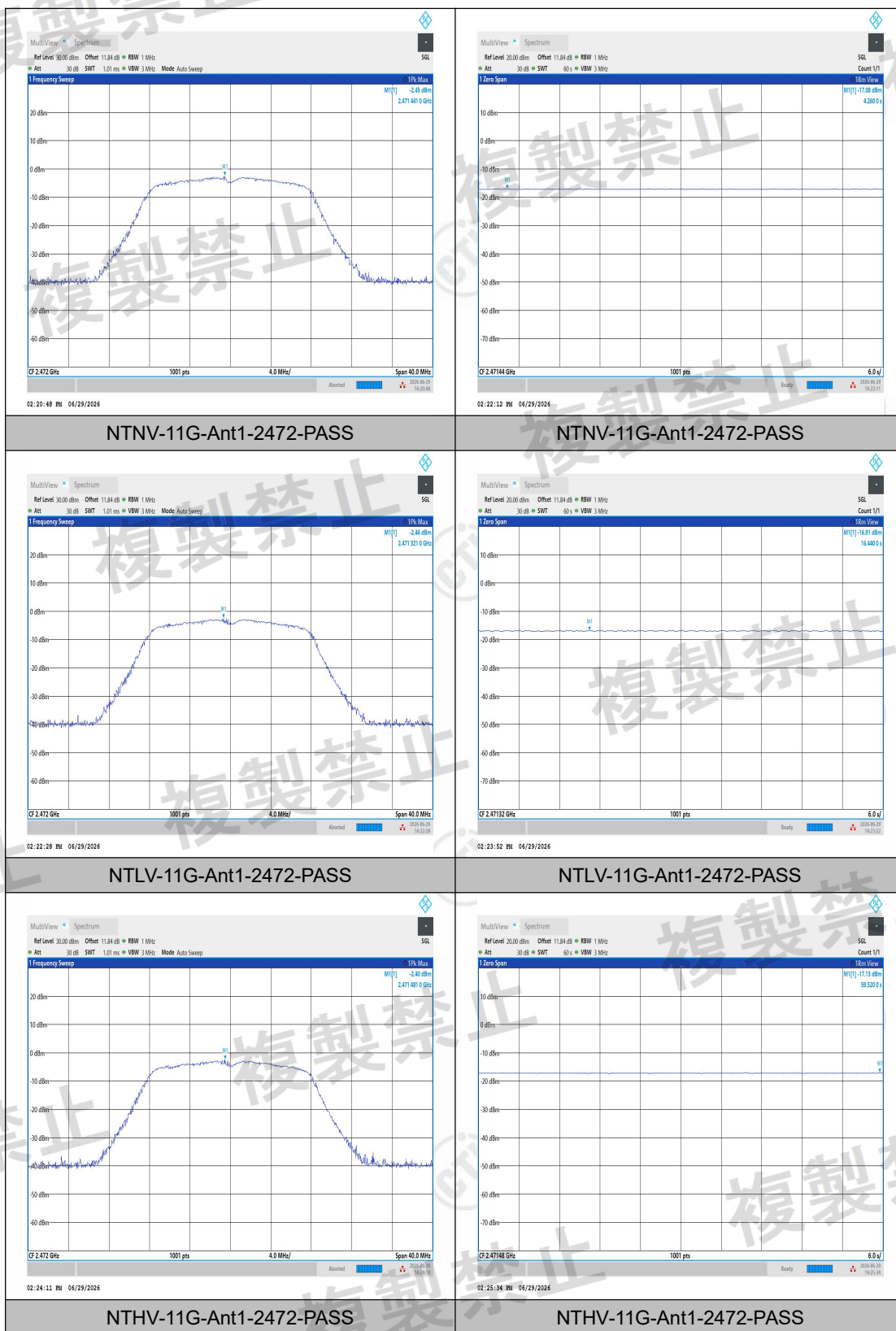


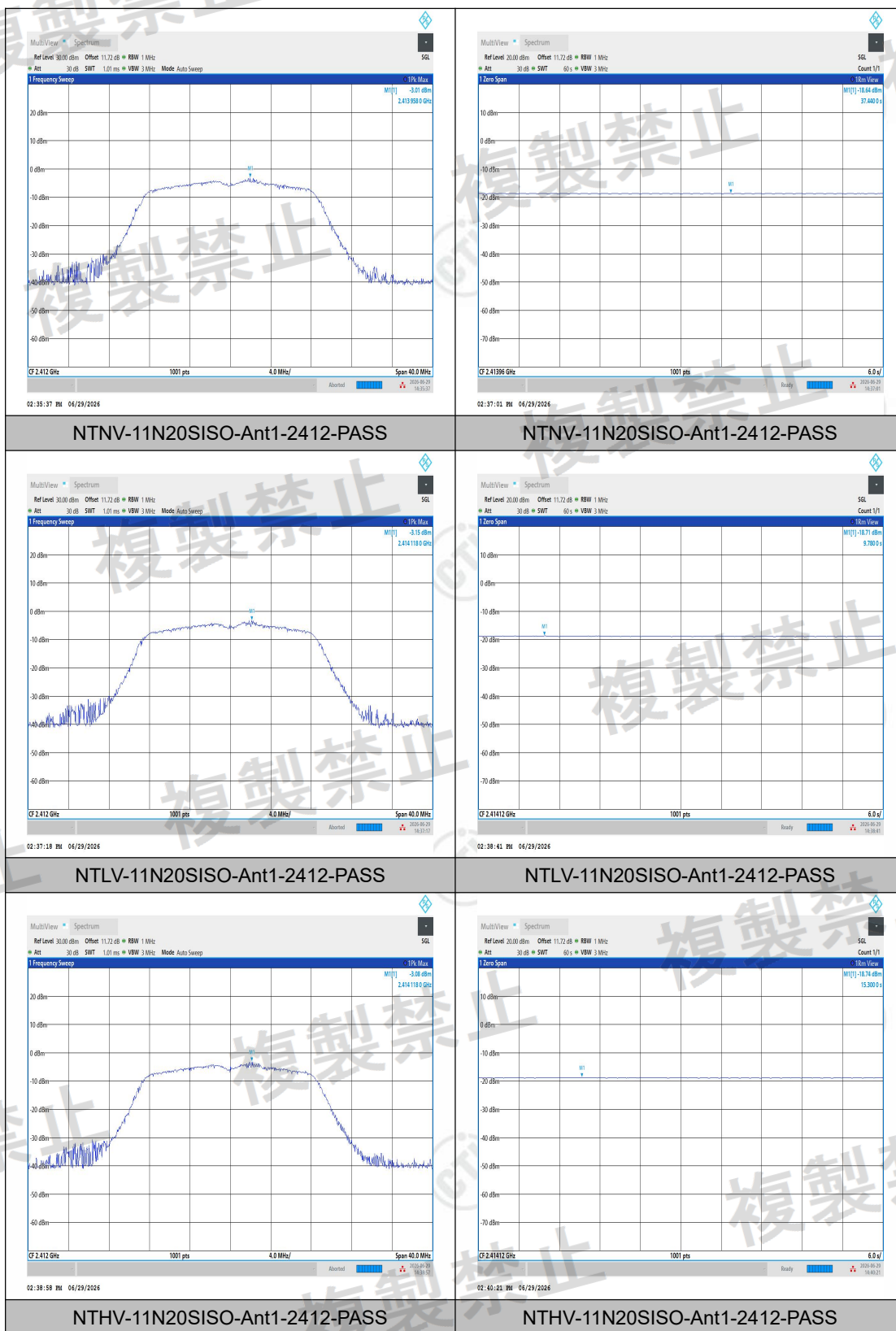
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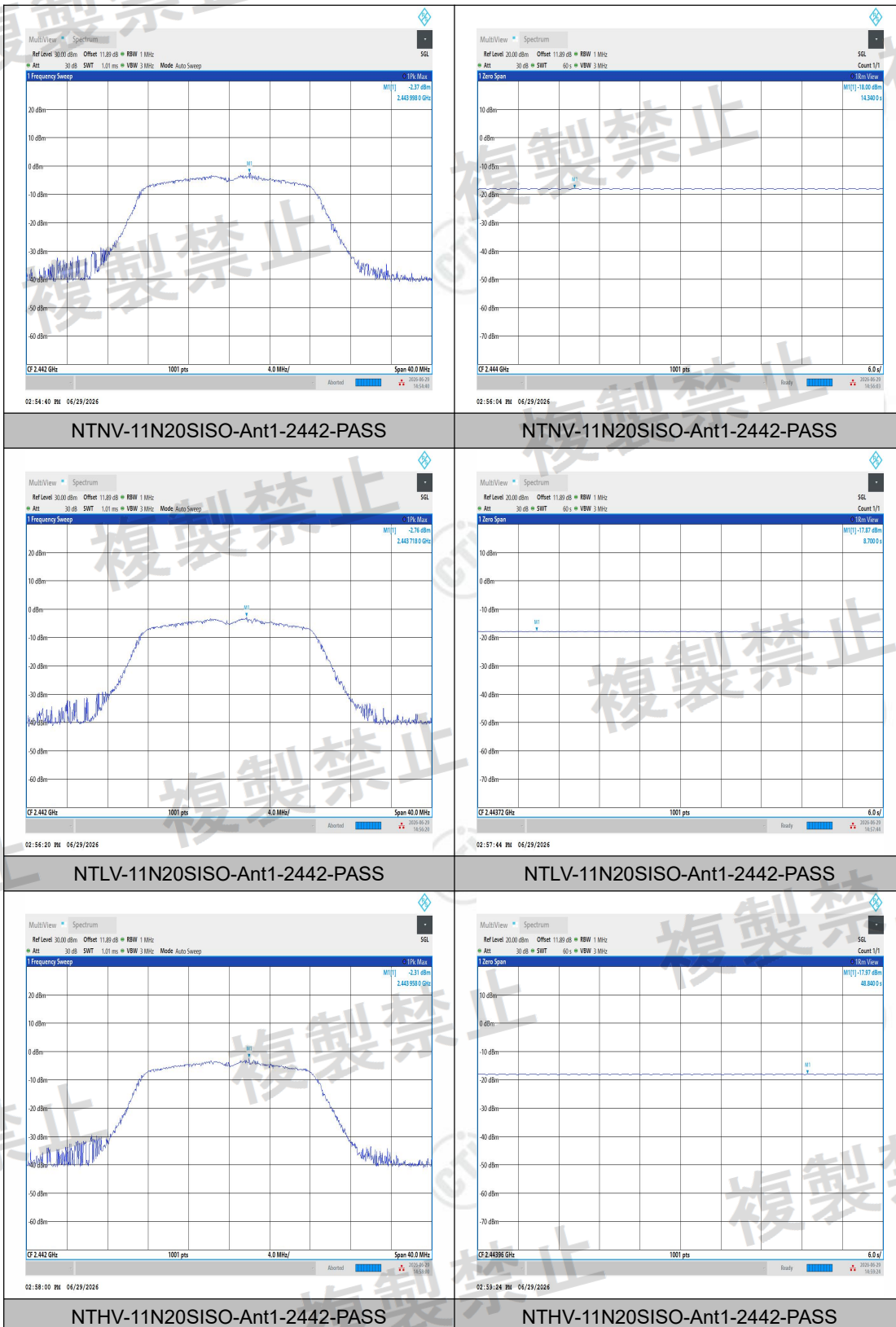


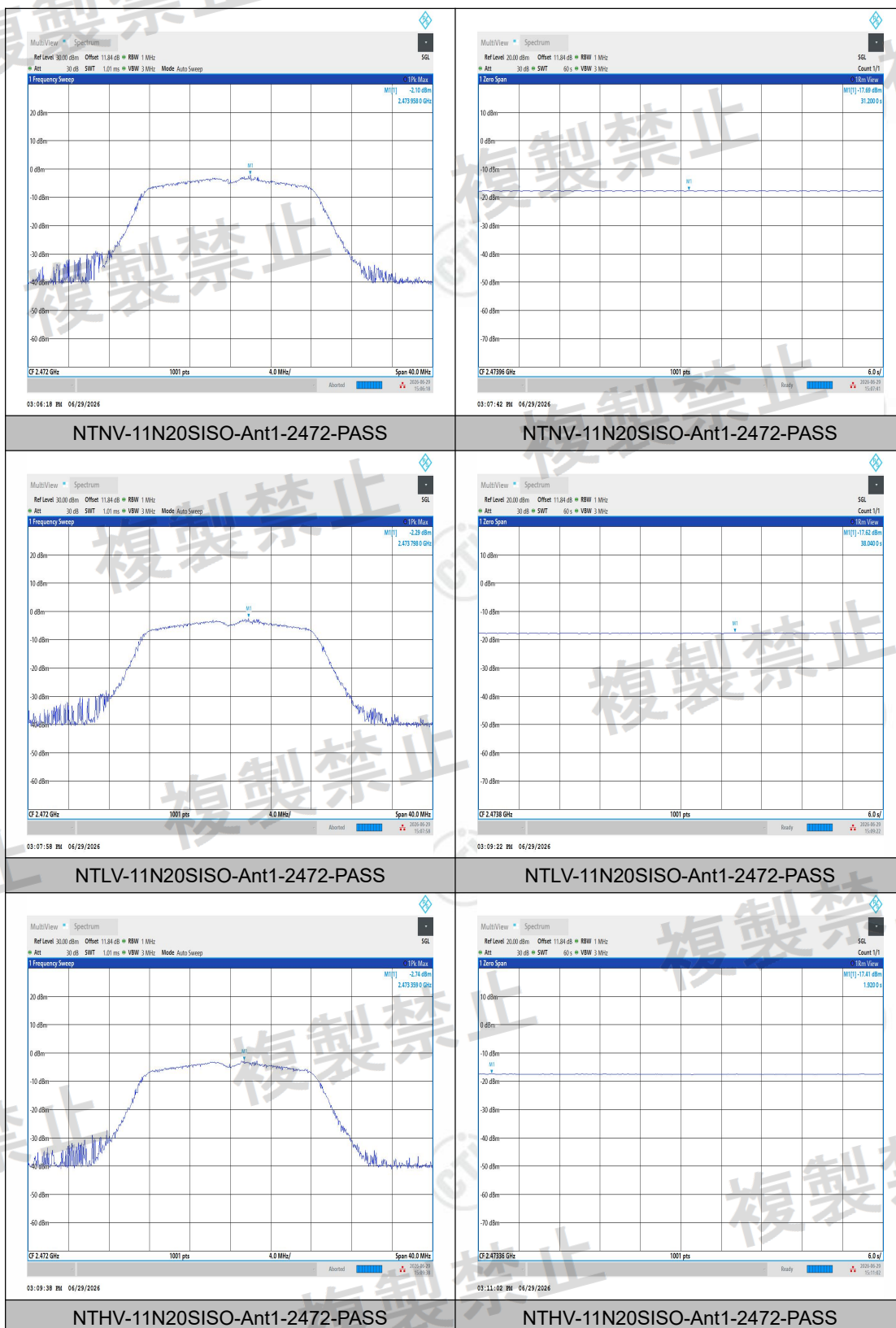


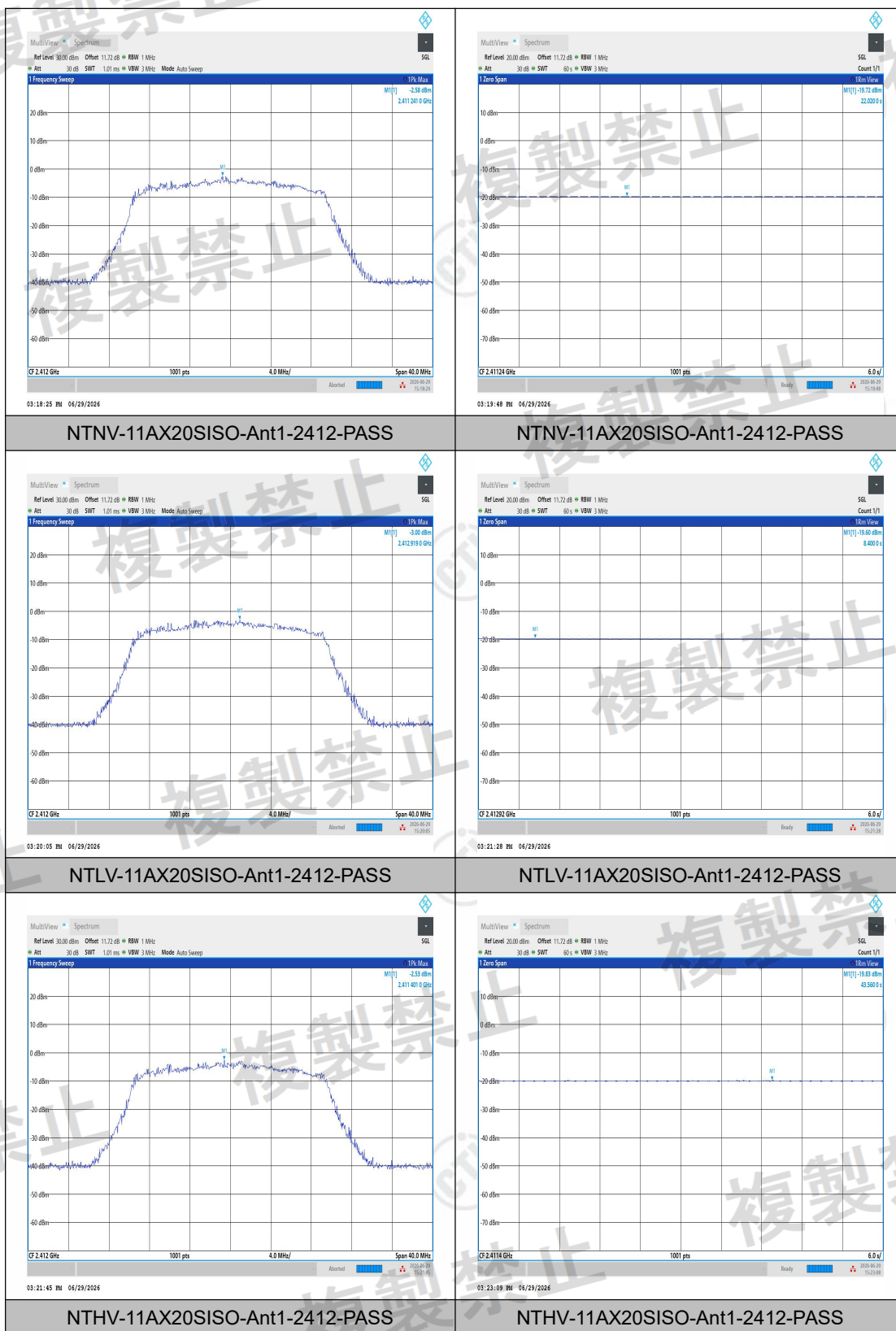


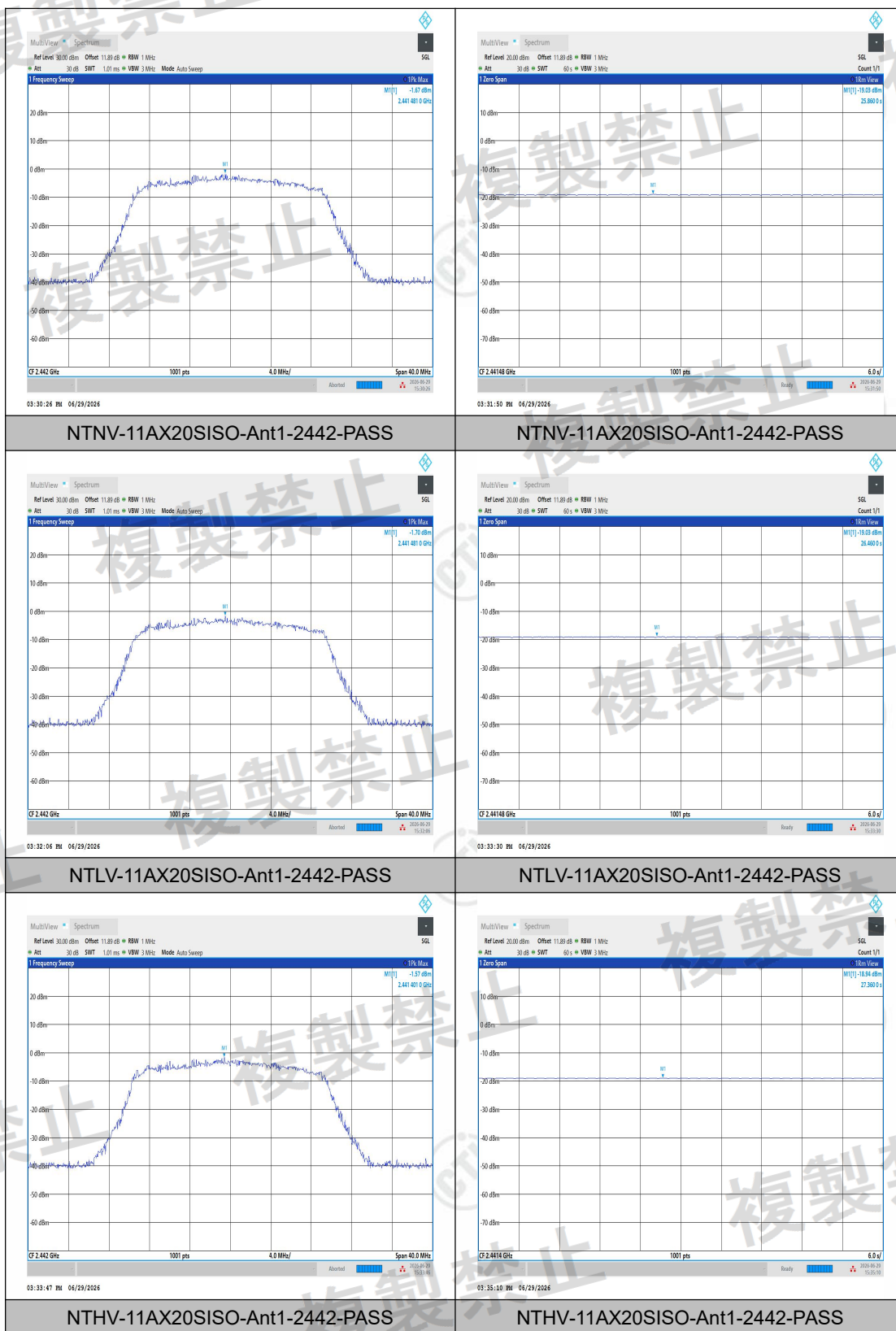


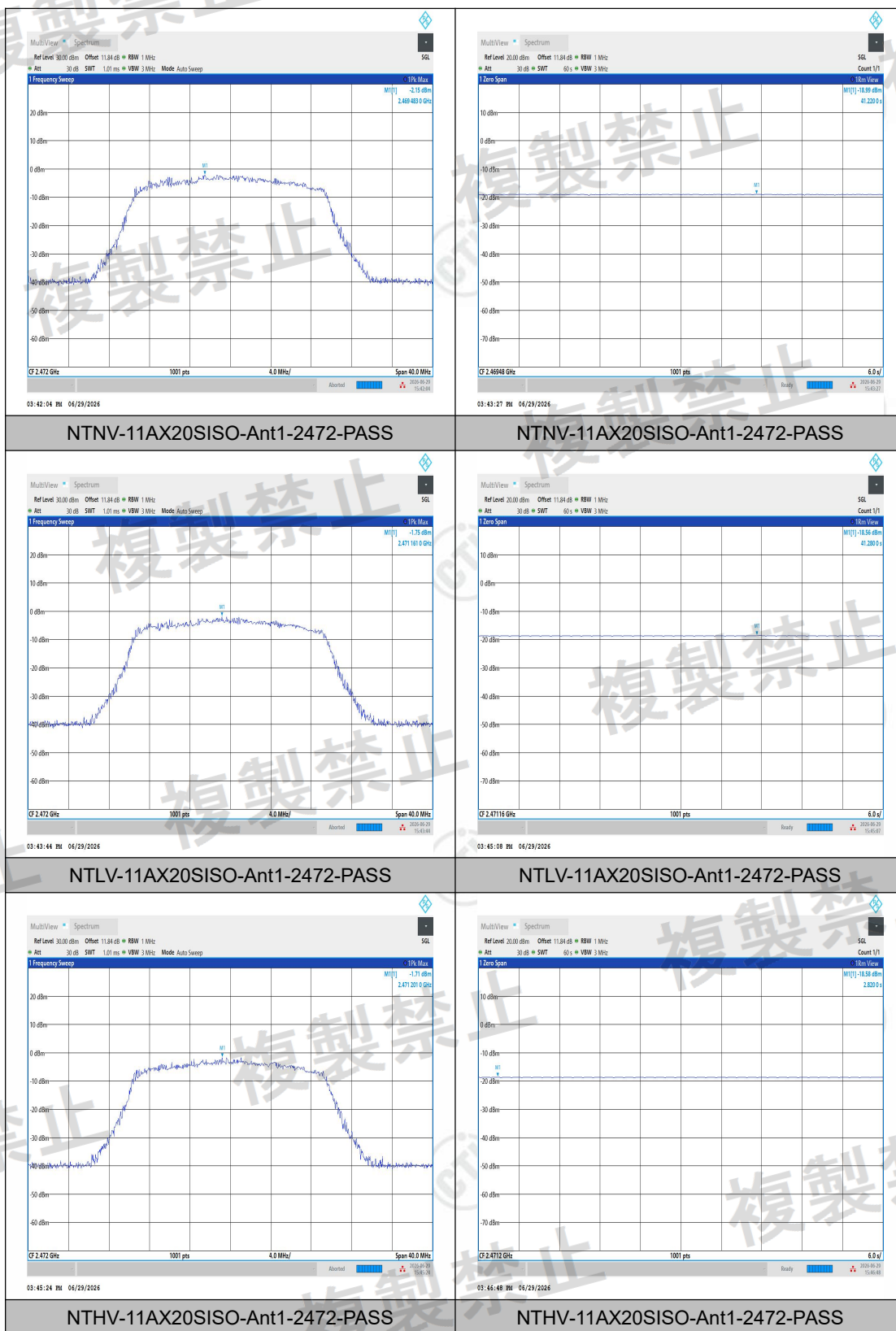










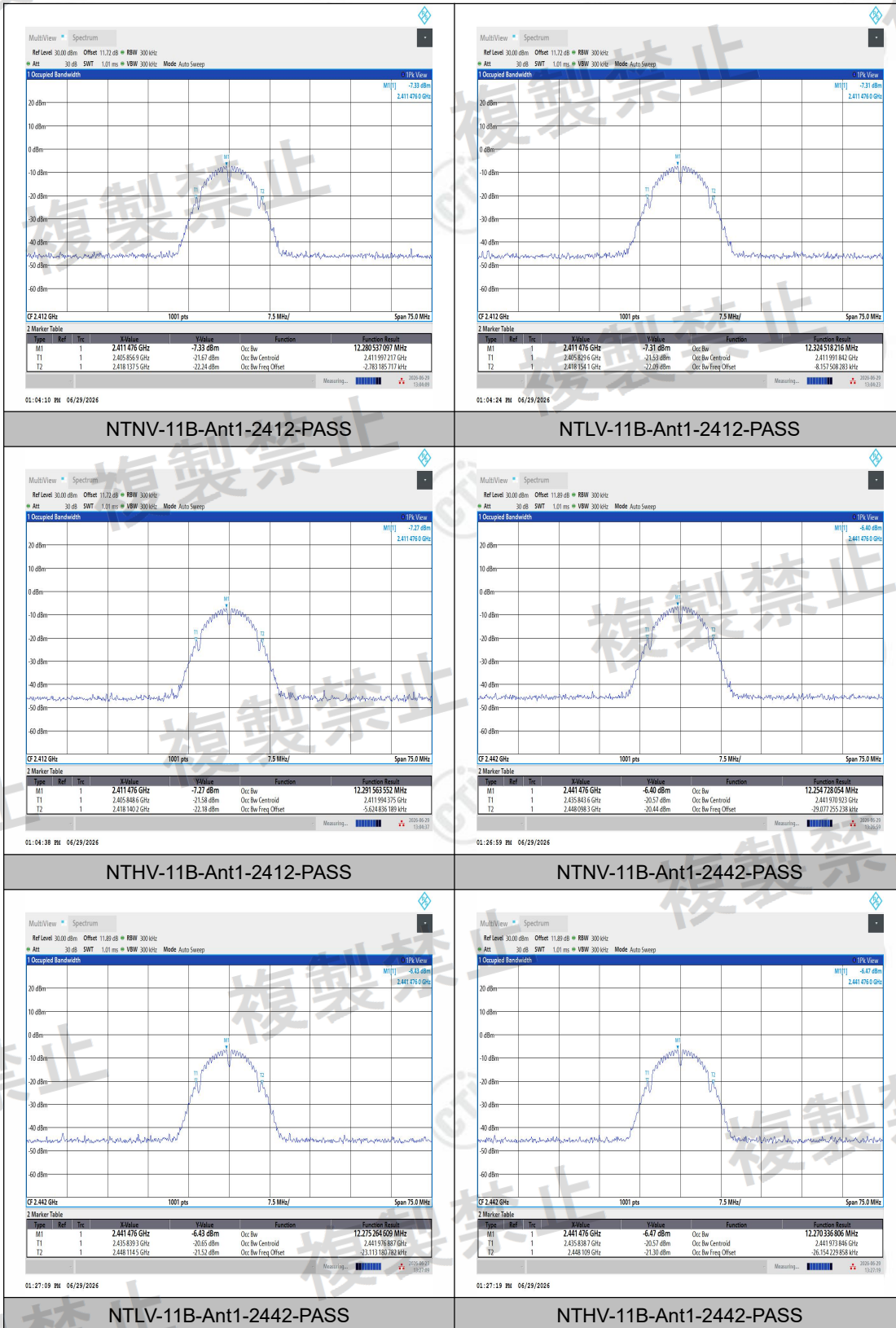


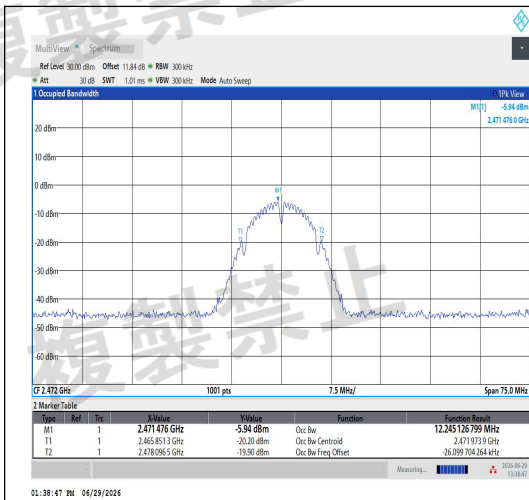
Appendix C: Occupied Bandwidth

Test Result

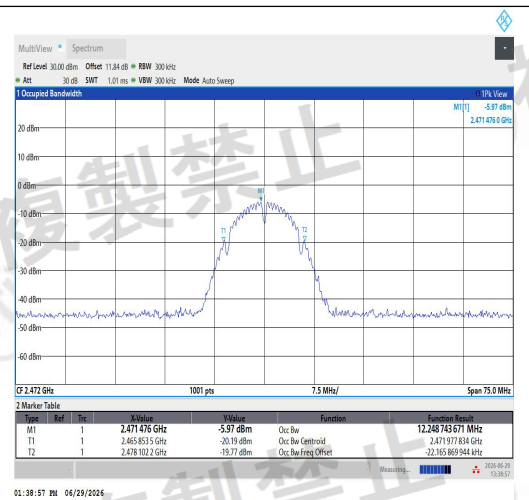
Test Condition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	12.281	≤26	PASS
NTLV	11B	Ant1	2412	12.325	≤26	PASS
NTHV	11B	Ant1	2412	12.292	≤26	PASS
NTNV	11B	Ant1	2442	12.255	≤26	PASS
NTLV	11B	Ant1	2442	12.275	≤26	PASS
NTHV	11B	Ant1	2442	12.270	≤26	PASS
NTNV	11B	Ant1	2472	12.245	≤26	PASS
NTLV	11B	Ant1	2472	12.249	≤26	PASS
NTHV	11B	Ant1	2472	12.236	≤26	PASS
NTNV	11G	Ant1	2412	16.610	≤26	PASS
NTLV	11G	Ant1	2412	16.642	≤26	PASS
NTHV	11G	Ant1	2412	16.602	≤26	PASS
NTNV	11G	Ant1	2442	16.598	≤26	PASS
NTLV	11G	Ant1	2442	16.582	≤26	PASS
NTHV	11G	Ant1	2442	16.593	≤26	PASS
NTNV	11G	Ant1	2472	16.573	≤26	PASS
NTLV	11G	Ant1	2472	16.599	≤26	PASS
NTHV	11G	Ant1	2472	16.610	≤26	PASS
NTNV	11N20SISO	Ant1	2412	17.777	≤26	PASS
NTLV	11N20SISO	Ant1	2412	17.752	≤26	PASS
NTHV	11N20SISO	Ant1	2412	17.733	≤26	PASS
NTNV	11N20SISO	Ant1	2442	17.718	≤26	PASS
NTLV	11N20SISO	Ant1	2442	17.705	≤26	PASS
NTHV	11N20SISO	Ant1	2442	17.720	≤26	PASS
NTNV	11N20SISO	Ant1	2472	17.731	≤26	PASS
NTLV	11N20SISO	Ant1	2472	17.671	≤26	PASS
NTHV	11N20SISO	Ant1	2472	17.720	≤26	PASS
NTNV	11AX20SISO	Ant1	2412	18.922	≤26	PASS
NTLV	11AX20SISO	Ant1	2412	18.949	≤26	PASS
NTHV	11AX20SISO	Ant1	2412	18.930	≤26	PASS
NTNV	11AX20SISO	Ant1	2442	18.940	≤26	PASS
NTLV	11AX20SISO	Ant1	2442	18.942	≤26	PASS
NTHV	11AX20SISO	Ant1	2442	18.898	≤26	PASS
NTNV	11AX20SISO	Ant1	2472	18.946	≤26	PASS
NTLV	11AX20SISO	Ant1	2472	18.957	≤26	PASS
NTHV	11AX20SISO	Ant1	2472	18.922	≤26	PASS

Test Graphs

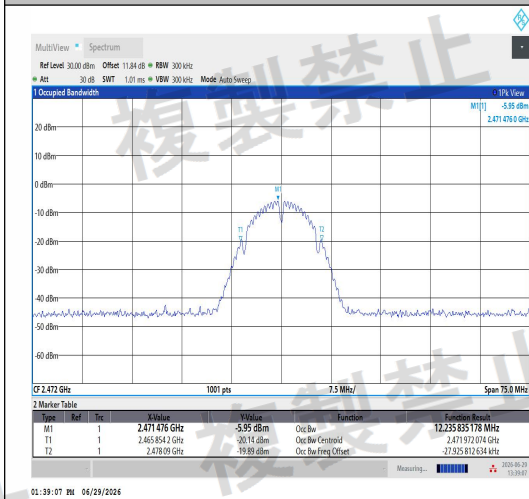




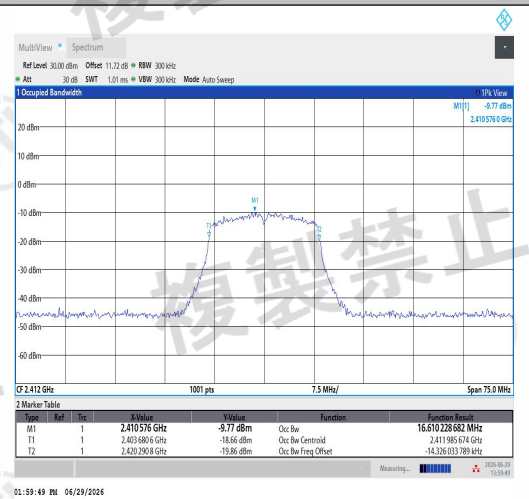
NTVN-11B-Ant1-2472-PASS



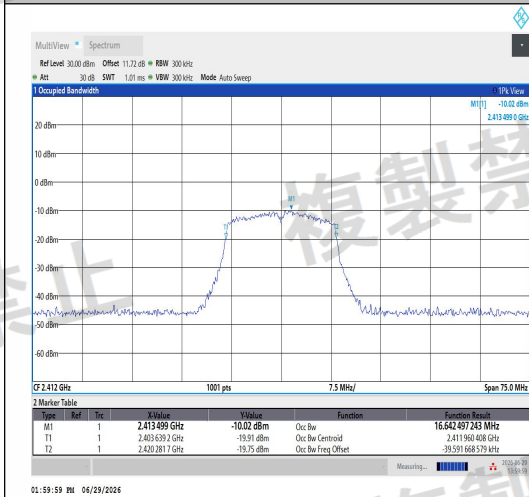
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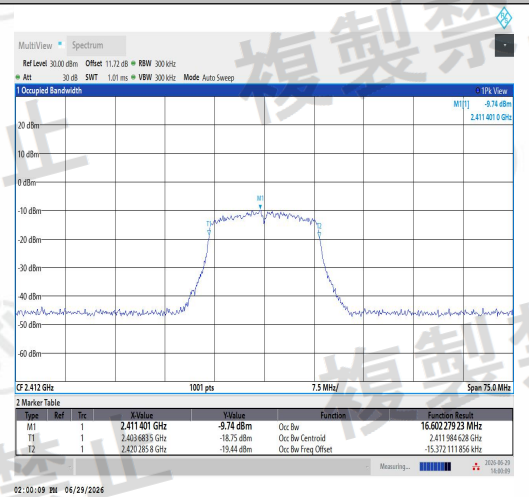
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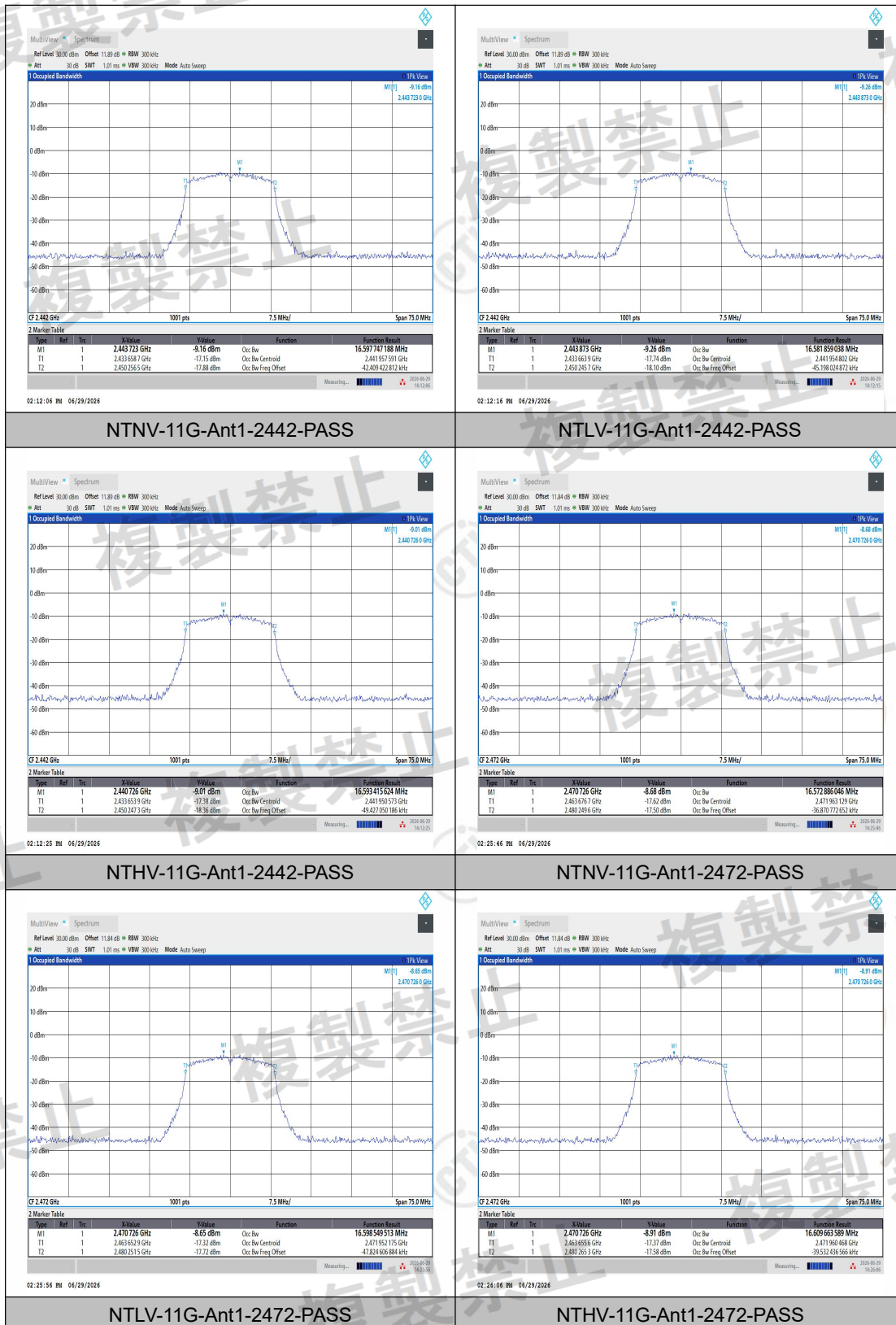
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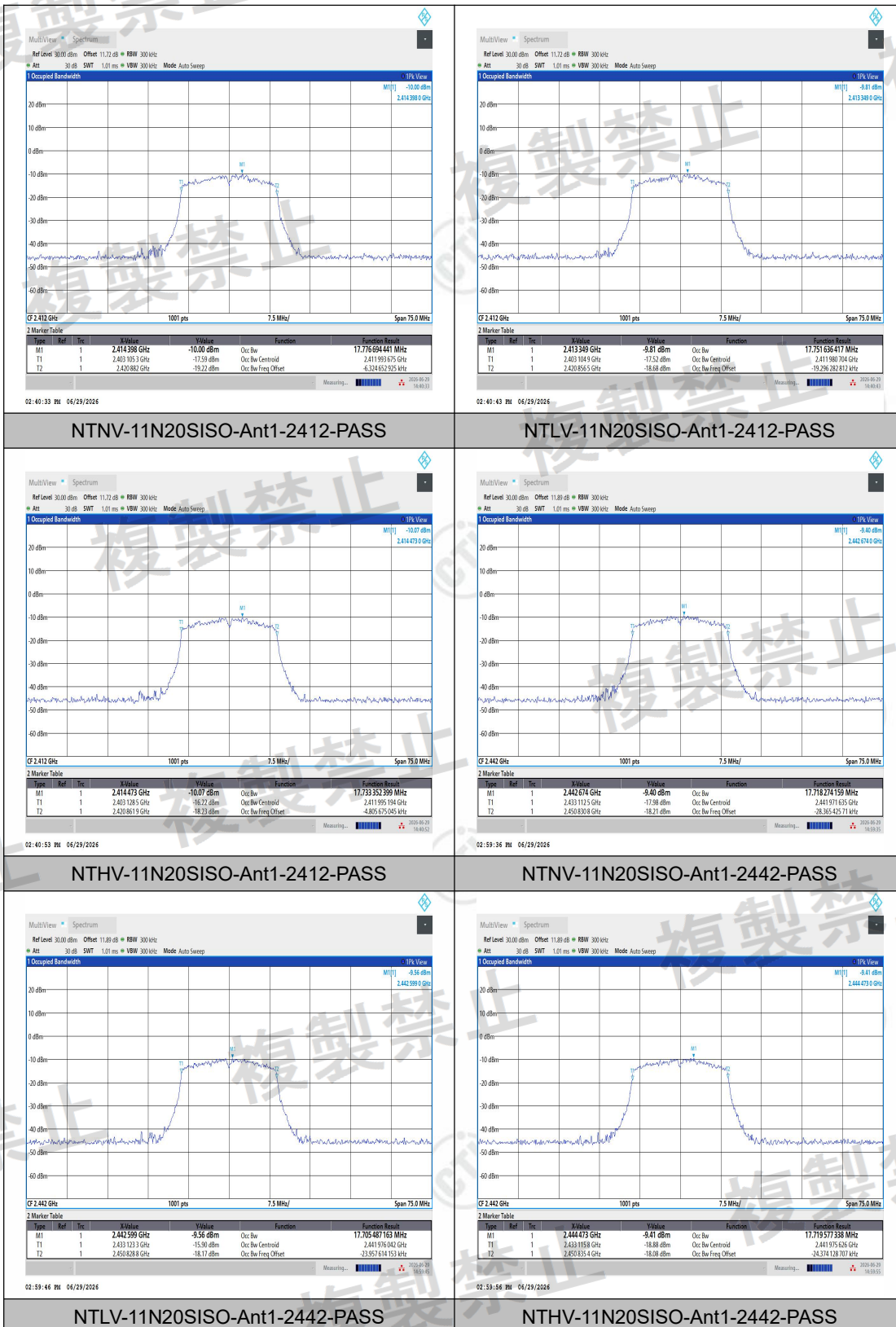


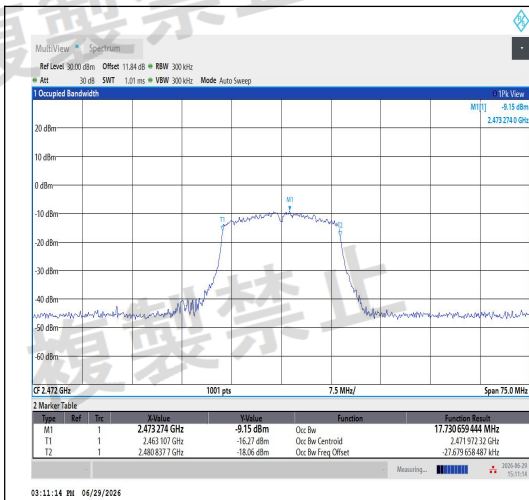
NTLV-11G-Ant1-2412-PASS



NTHV-11G-Ant1-2412-PASS

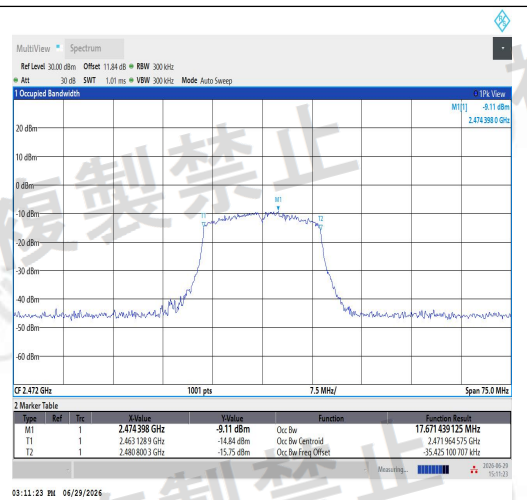






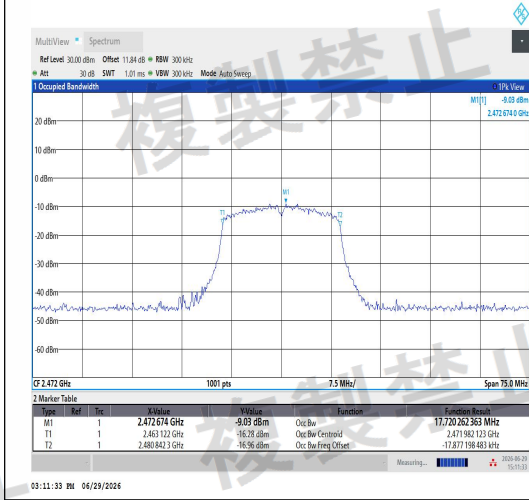
03:11:14 PM 06/29/2026

NTNV-11N20SISO-Ant1-2472-PASS



03:11:23 PM 06/29/2026

NTLV-11N20SISO-Ant1-2472-PASS



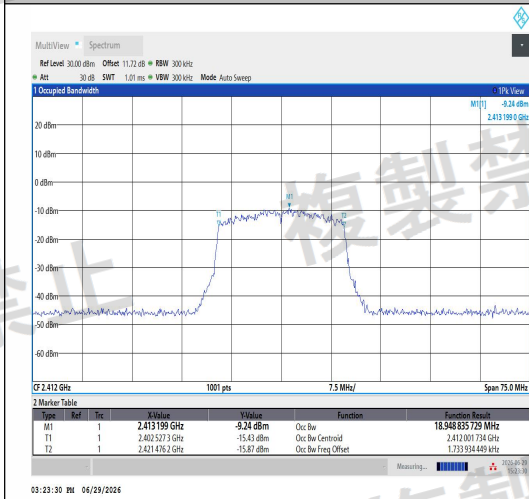
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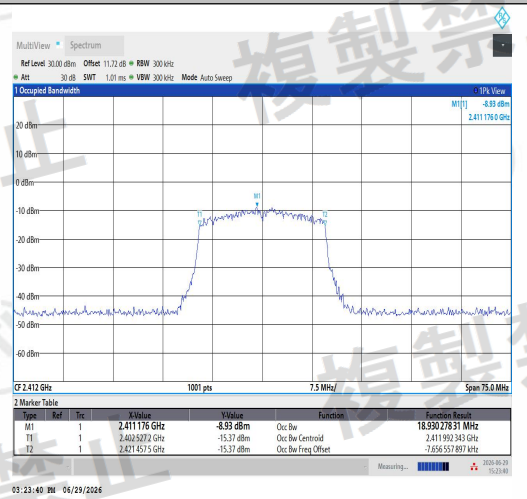
03:23:20 PM 06/29/2026

NTNV-11AX20SISO-Ant1-2412-PASS



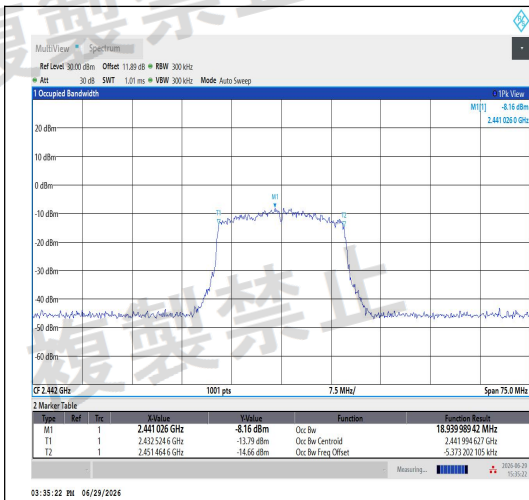
03:23:30 PM 06/29/2026

NTLV-11AX20SISO-Ant1-2412-PASS



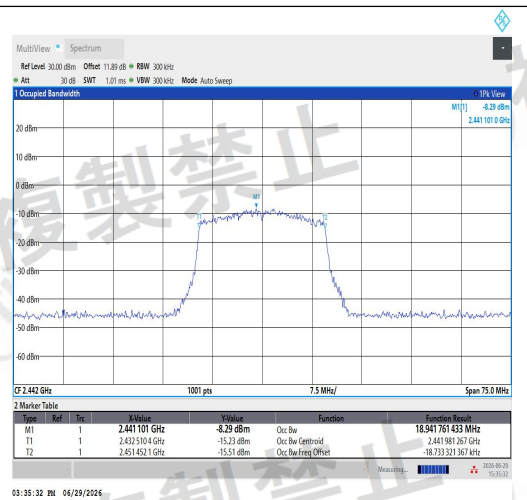
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NTHV-11AX20SISO-Ant1-2412-PASS



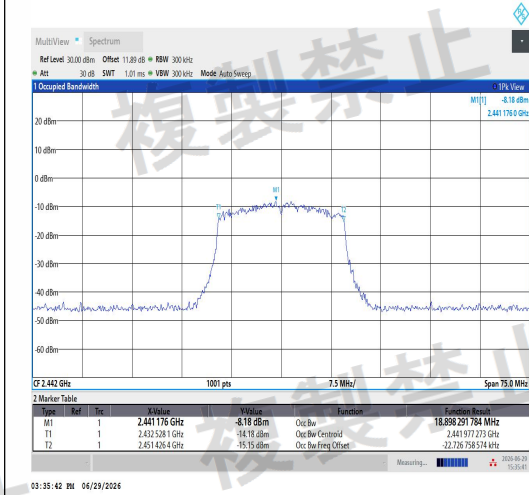
03:35:22 PM 06/29/2026

NTNV-11AX20SISO-Ant1-2442-PASS



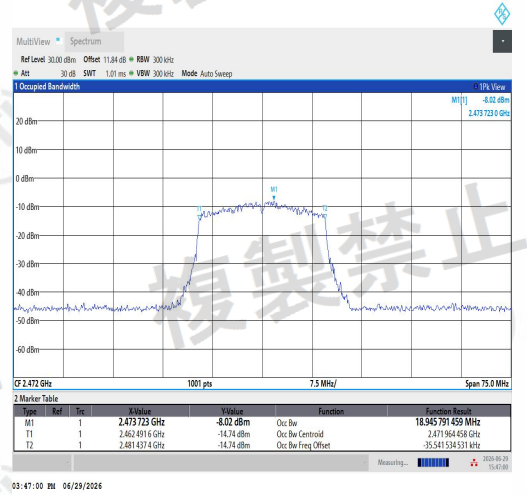
03:35:32 PM 06/29/2026

NTLV-11AX20SISO-Ant1-2442-PASS



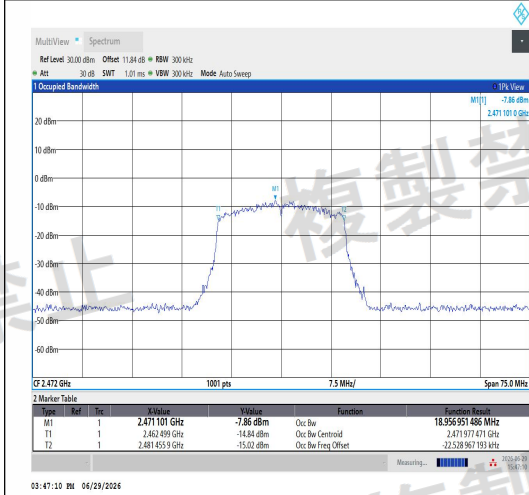
03:35:42 PM 06/29/2026

NTHV-11AX20SISO-Ant1-2442-PASS



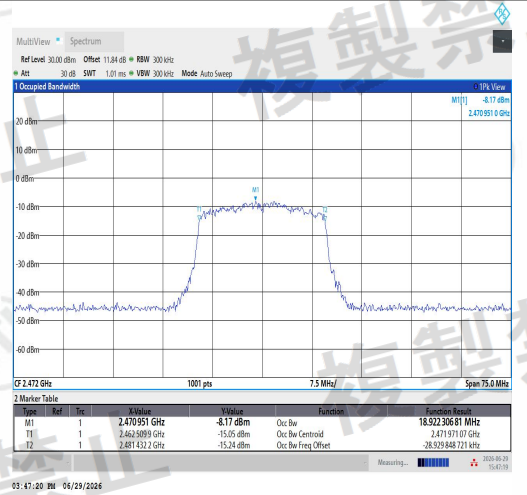
03:47:00 PM 06/29/2026

NTNV-11AX20SISO-Ant1-2472-PASS



03:47:10 PM 06/29/2026

NTLV-11AX20SISO-Ant1-2472-PASS



03:47:20 PM 06/29/2026

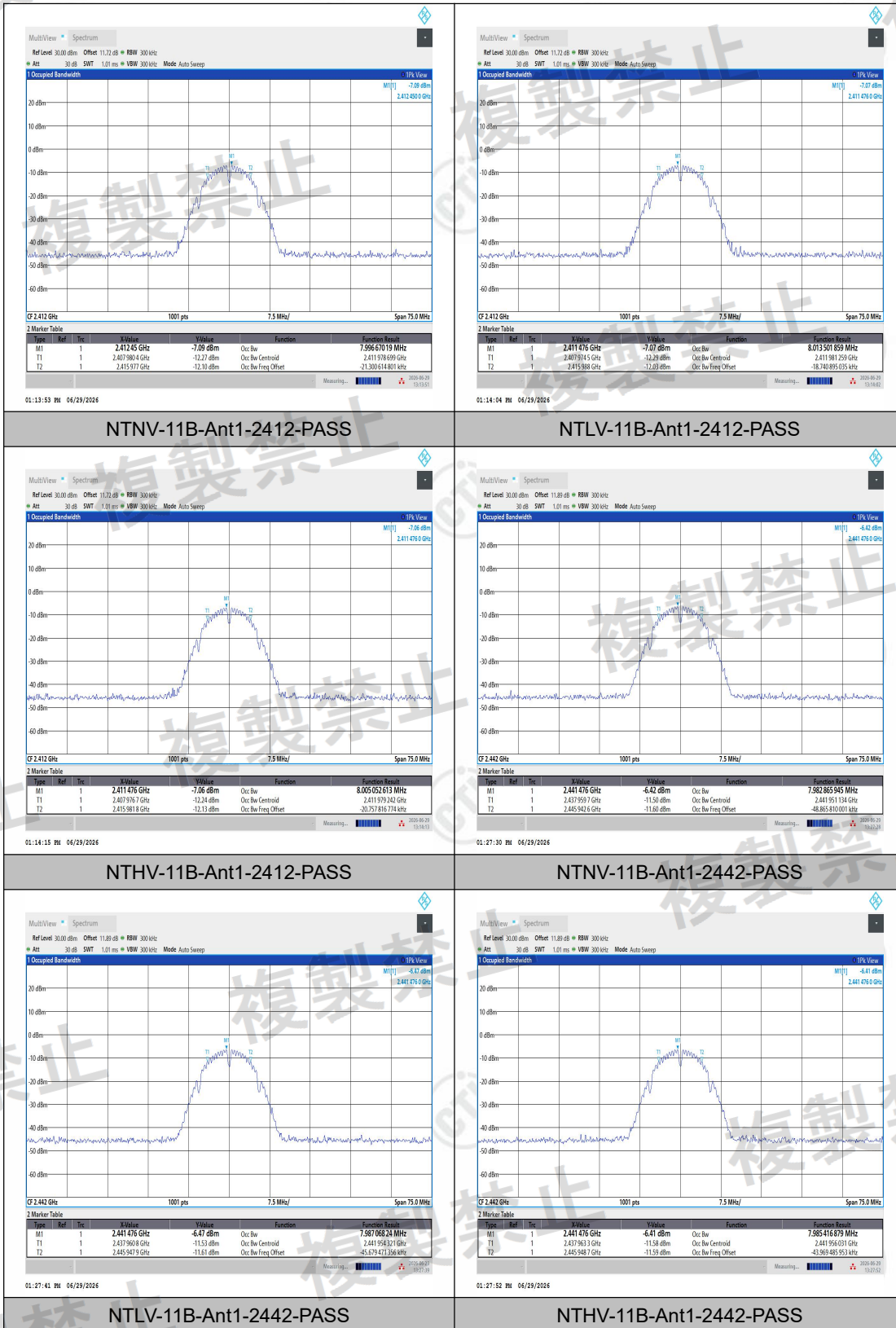
NTHV-11AX20SISO-Ant1-2472-PASS

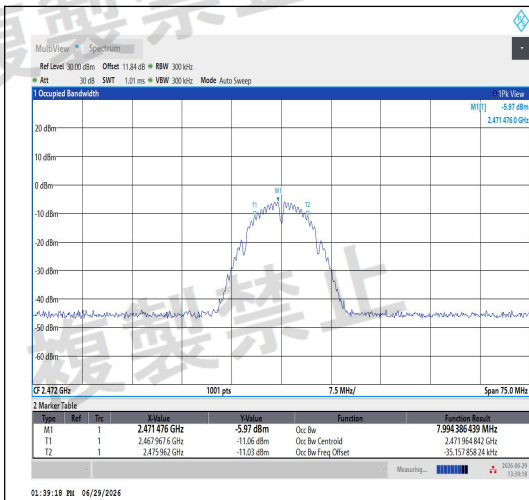
Appendix D: Spread Bandwidth

Test Result

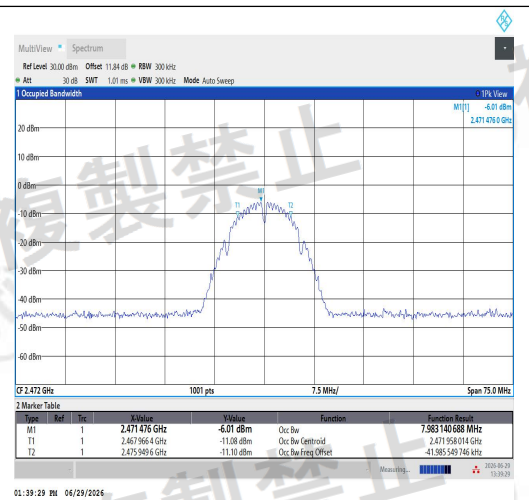
TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]
NTNV	11B	Ant1	2412	7.997
NTLV	11B	Ant1	2412	8.014
NTHV	11B	Ant1	2412	8.005
NTNV	11B	Ant1	2442	7.983
NTLV	11B	Ant1	2442	7.987
NTHV	11B	Ant1	2442	7.985
NTNV	11B	Ant1	2472	7.994
NTLV	11B	Ant1	2472	7.983
NTHV	11B	Ant1	2472	7.990
NTNV	11G	Ant1	2412	14.019
NTLV	11G	Ant1	2412	14.129
NTHV	11G	Ant1	2412	14.054
NTNV	11G	Ant1	2442	14.063
NTLV	11G	Ant1	2442	14.135
NTHV	11G	Ant1	2442	14.051
NTNV	11G	Ant1	2472	14.024
NTLV	11G	Ant1	2472	14.052
NTHV	11G	Ant1	2472	14.029
NTNV	11N20SISO	Ant1	2412	15.043
NTLV	11N20SISO	Ant1	2412	15.018
NTHV	11N20SISO	Ant1	2412	14.981
NTNV	11N20SISO	Ant1	2442	15.022
NTLV	11N20SISO	Ant1	2442	15.055
NTHV	11N20SISO	Ant1	2442	15.044
NTNV	11N20SISO	Ant1	2472	14.933
NTLV	11N20SISO	Ant1	2472	14.941
NTHV	11N20SISO	Ant1	2472	14.912
NTNV	11AX20SISO	Ant1	2412	16.150
NTLV	11AX20SISO	Ant1	2412	16.226
NTHV	11AX20SISO	Ant1	2412	16.260
NTNV	11AX20SISO	Ant1	2442	16.104
NTLV	11AX20SISO	Ant1	2442	16.099
NTHV	11AX20SISO	Ant1	2442	15.968
NTNV	11AX20SISO	Ant1	2472	16.101
NTLV	11AX20SISO	Ant1	2472	16.081
NTHV	11AX20SISO	Ant1	2472	16.270

Test Graphs

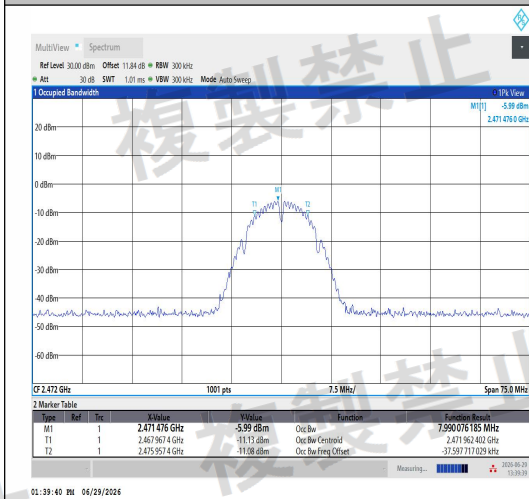




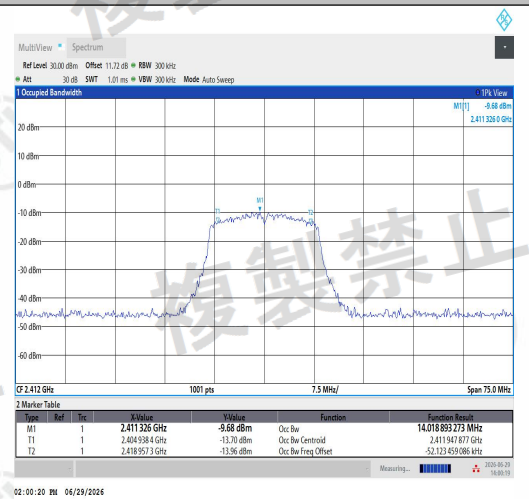
NTVN-11B-Ant1-2472-PASS



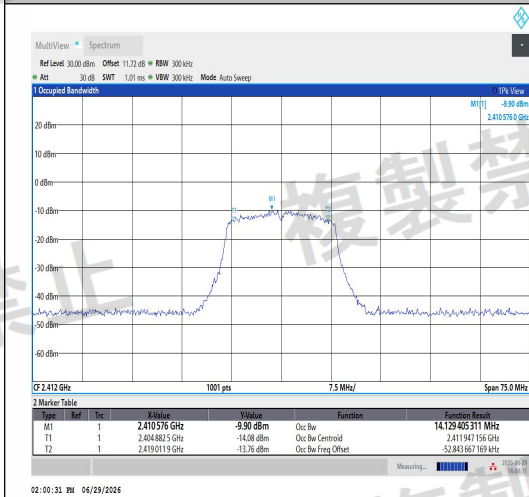
NTLV-11B-Ant1-2472-PASS



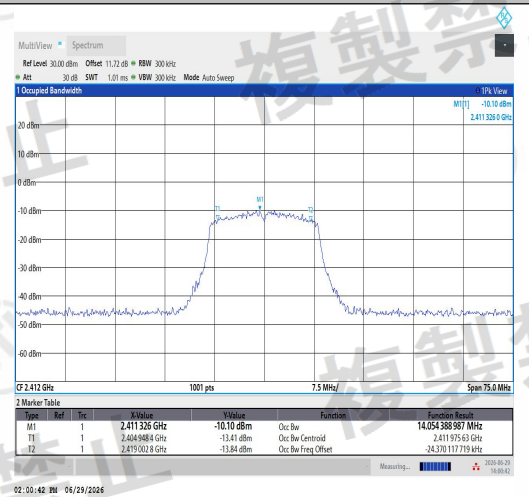
NTHV-11B-Ant1-2472-PASS



NTVN-11G-Ant1-2412-PASS



NTLV-11G-Ant1-2412-PASS



NTHV-11G-Ant1-2412-PASS