

Appendix Test Data

Report No.:	1812C60387412502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-21	Finish Test Date:	2026-7-21
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	24.6℃	Relative Humidity:	61%
Pressure:	101kPa		

Appendix A: Frequency Error

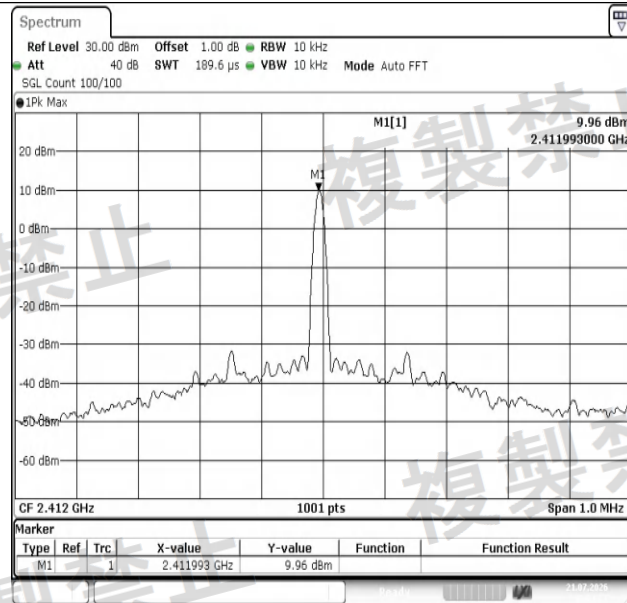
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	CW	Ant1	2412	2411.993	-2.90216	±50	PASS
NTNV	CW	Ant1	2442	2441.993	-2.86650	±50	PASS
NTNV	CW	Ant1	2472	2471.993	-2.83172	±50	PASS

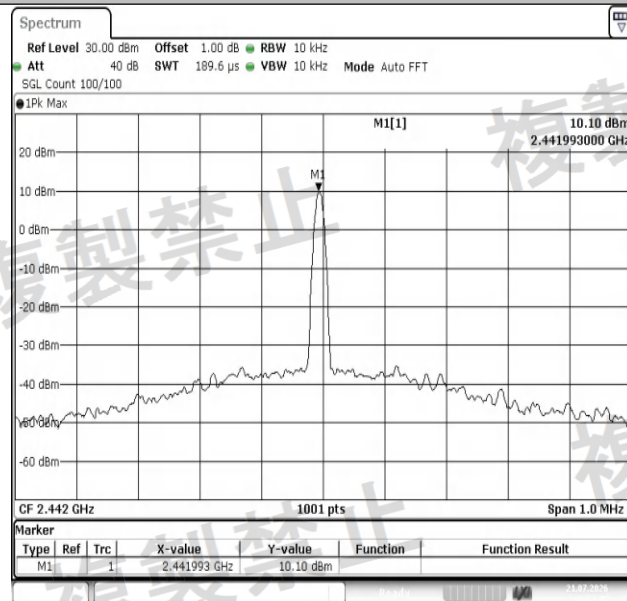
Note: Result[ppm]= (Center Freq[MHz] -Freq.[MHz])/Freq.[MHz]*1000000



Test Graphs

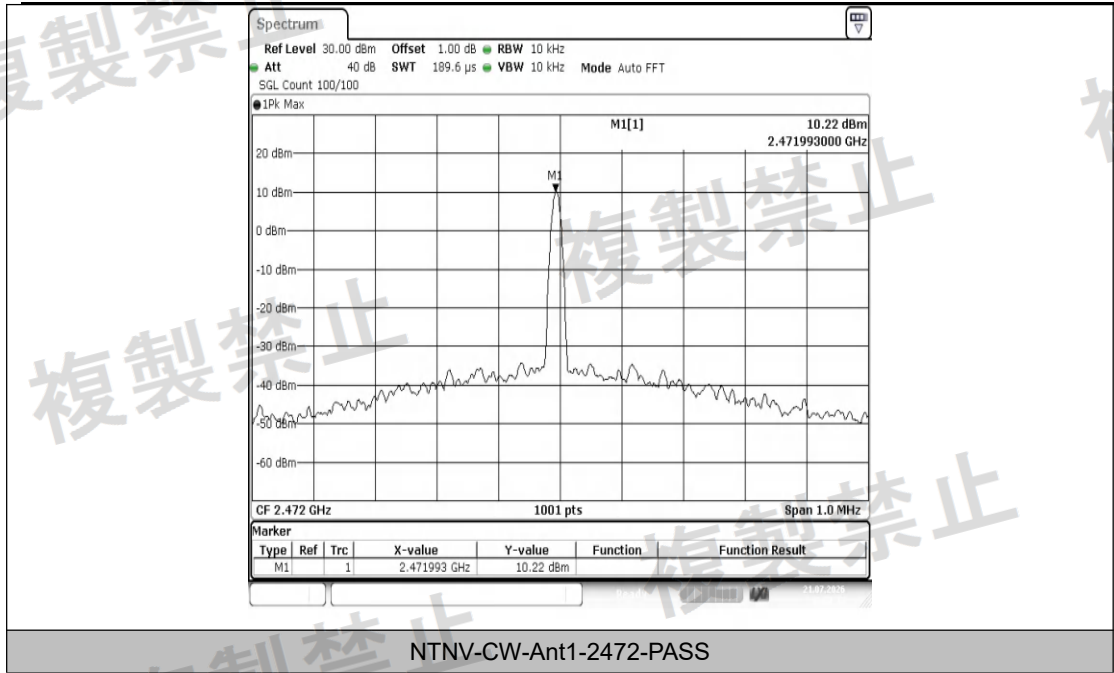


NTVN-CW-Ant1-2412-PASS



NTVN-CW-Ant1-2442-PASS





Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTNV	11B	Ant1	2412	6.64	4.6132	≤10	PASS
NTNV	11B	Ant1	2442	6.88	4.8753	≤10	PASS
NTNV	11B	Ant1	2472	7.09	5.1168	≤10	PASS
NTNV	11G	Ant1	2412	4.62	2.8973	≤10	PASS
NTNV	11G	Ant1	2442	5.07	3.2137	≤10	PASS
NTNV	11G	Ant1	2472	4.59	2.8774	≤10	PASS
NTNV	11N20SI SO	Ant1	2412	4.70	2.9512	≤10	PASS
NTNV	11N20SI SO	Ant1	2442	4.79	3.0130	≤10	PASS
NTNV	11N20SI SO	Ant1	2472	5.01	3.1696	≤10	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Power [mW/MHz]	RatedPower [mW/MHz]	Result [%]	Limit [%]	Verdict
NTNV	11B	Ant1	2412	4.6132	5	-7.74	+20	PASS
NTNV	11B	Ant1	2442	4.8753	5	-2.49	+20	PASS
NTNV	11B	Ant1	2472	5.1168	5	2.34	+20	PASS
NTNV	11G	Ant1	2412	2.8973	3	-3.42	+20	PASS
NTNV	11G	Ant1	2442	3.2137	3	7.12	+20	PASS
NTNV	11G	Ant1	2472	2.8774	3	-4.09	+20	PASS
NTNV	11N20SI SO	Ant1	2412	2.9512	3	-1.63	+20	PASS
NTNV	11N20SI SO	Ant1	2442	3.0130	3	0.43	+20	PASS
NTNV	11N20SI SO	Ant1	2472	3.1696	3	5.65	+20	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result[dBm/MHz]	Gain[dBi]	EIRP(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTNV	11B	Ant1	2412	6.64	2.46	9.10	≤12.14	PASS
NTNV	11B	Ant1	2442	6.88	2.46	9.34	≤12.14	PASS
NTNV	11B	Ant1	2472	7.09	2.46	9.55	≤12.14	PASS
NTNV	11G	Ant1	2412	4.62	2.46	7.08	≤12.14	PASS
NTNV	11G	Ant1	2442	5.07	2.46	7.53	≤12.14	PASS

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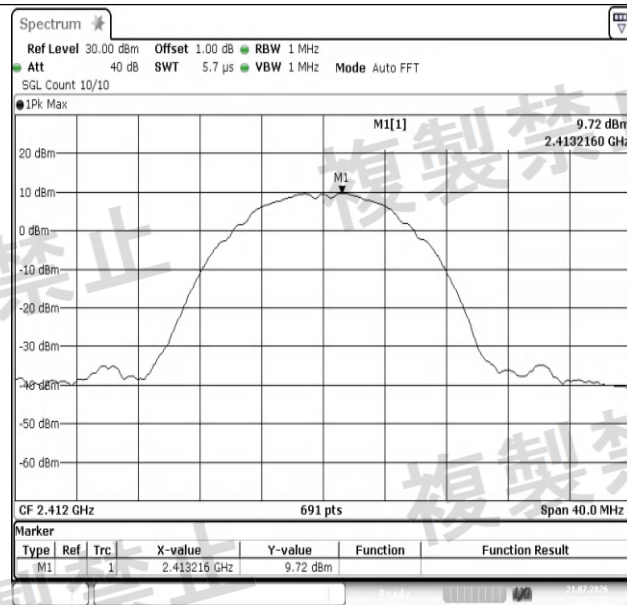
NTNV	11G	Ant1	2472	4.59	2.46	7.05	≤12.14	PASS
NTNV	11N20SI SO	Ant1	2412	4.70	2.46	7.16	≤12.14	PASS
NTNV	11N20SI SO	Ant1	2442	4.79	2.46	7.25	≤12.14	PASS
NTNV	11N20SI SO	Ant1	2472	5.01	2.46	7.47	≤12.14	PASS

Note: EIRP[dBm/MHz]=Result[dBm/MHz]+Gain(dBi)

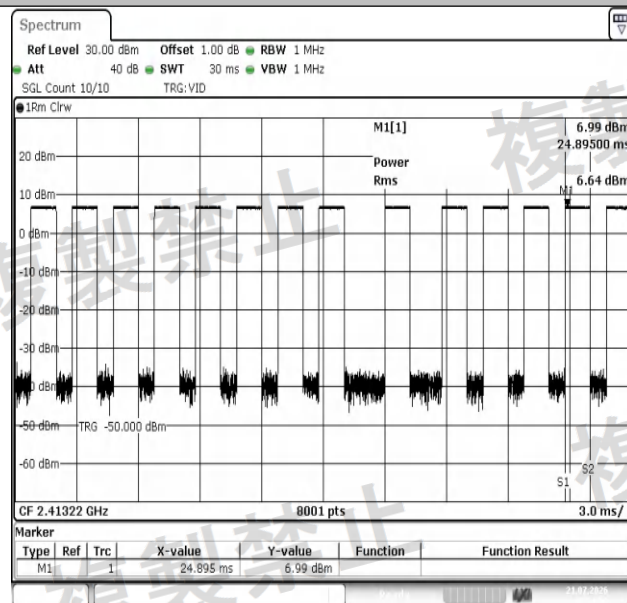
Result [mW/MHz]=10^(Result [dBm/MHz]/10)

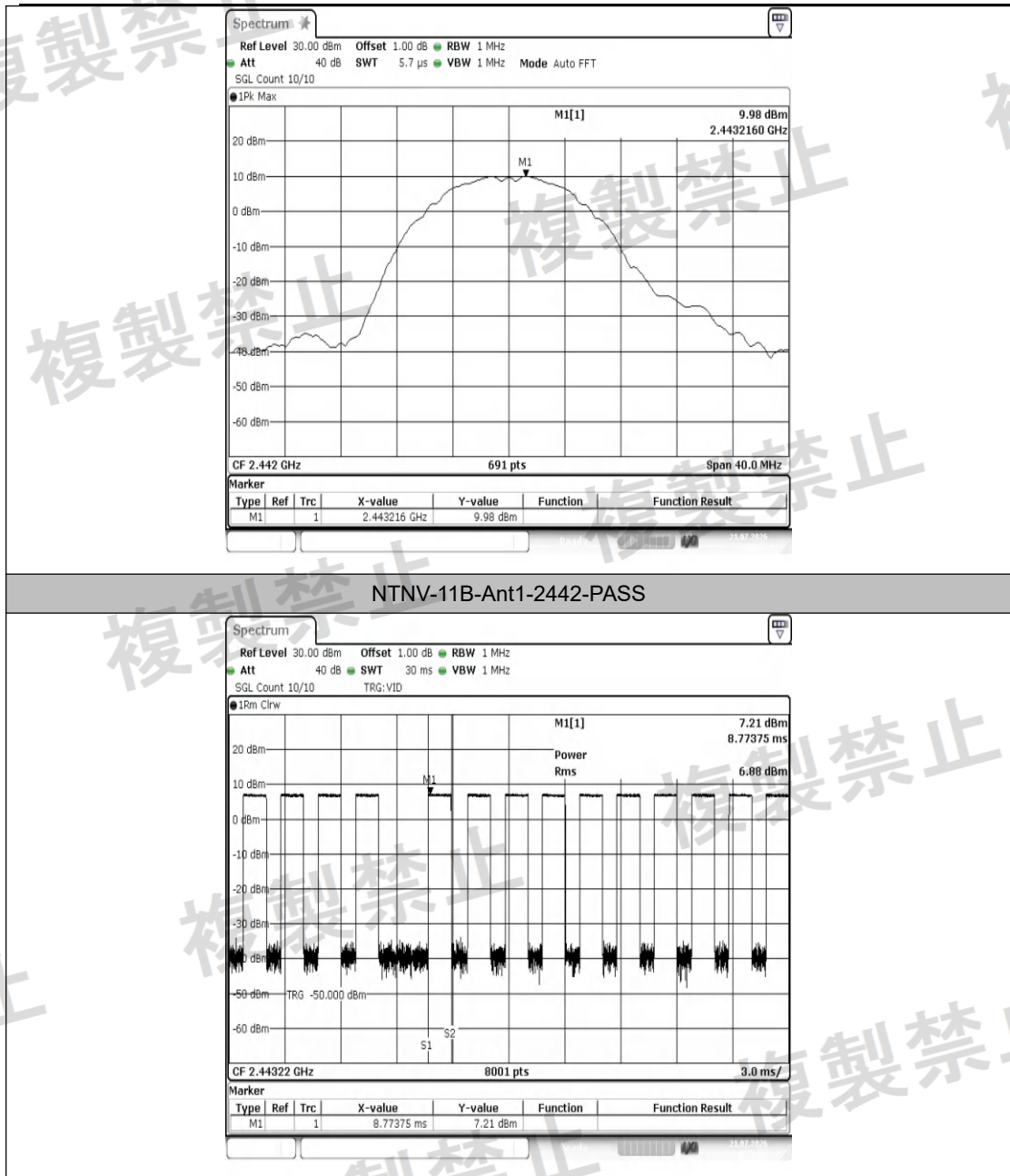


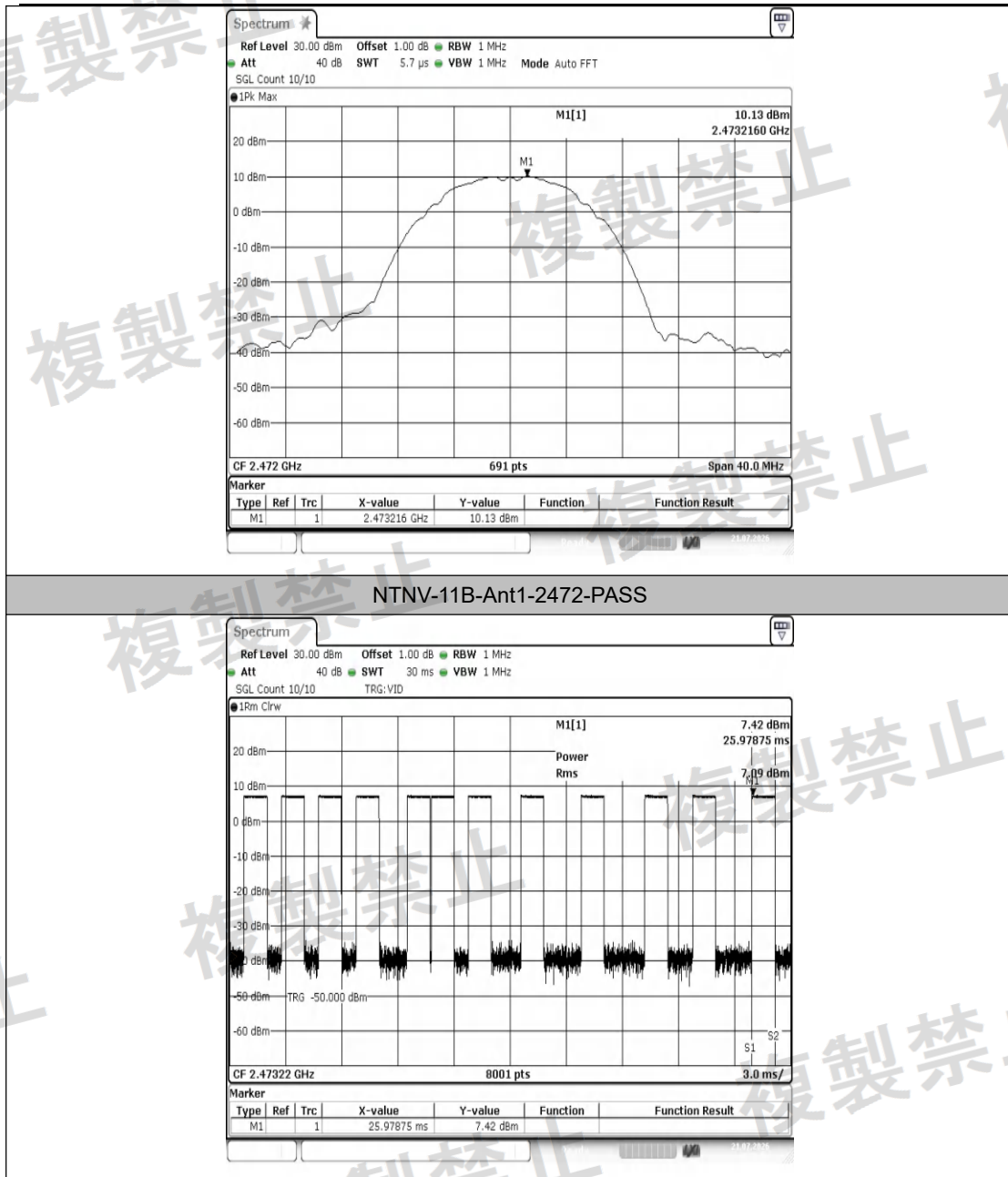
Test Graphs

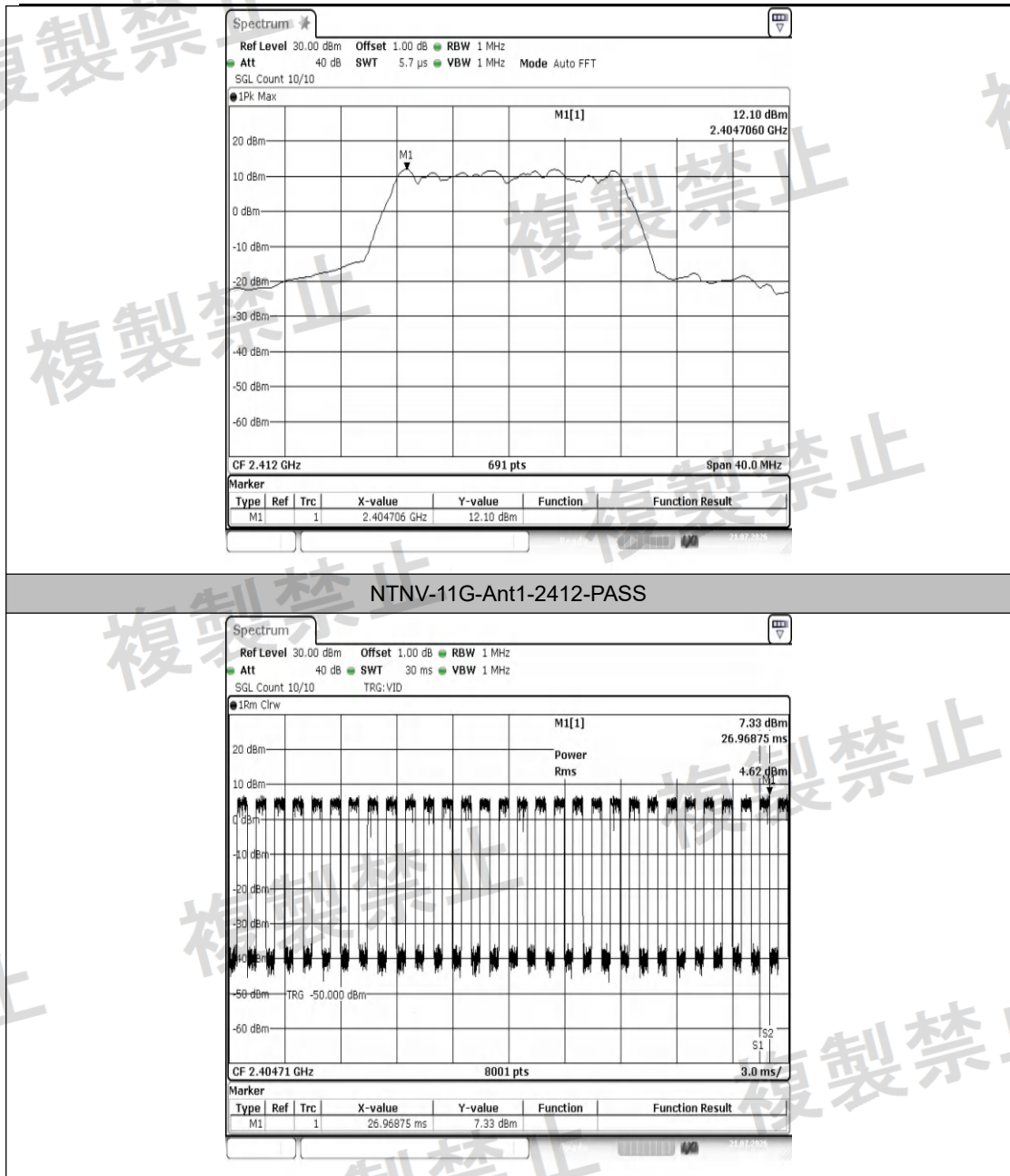


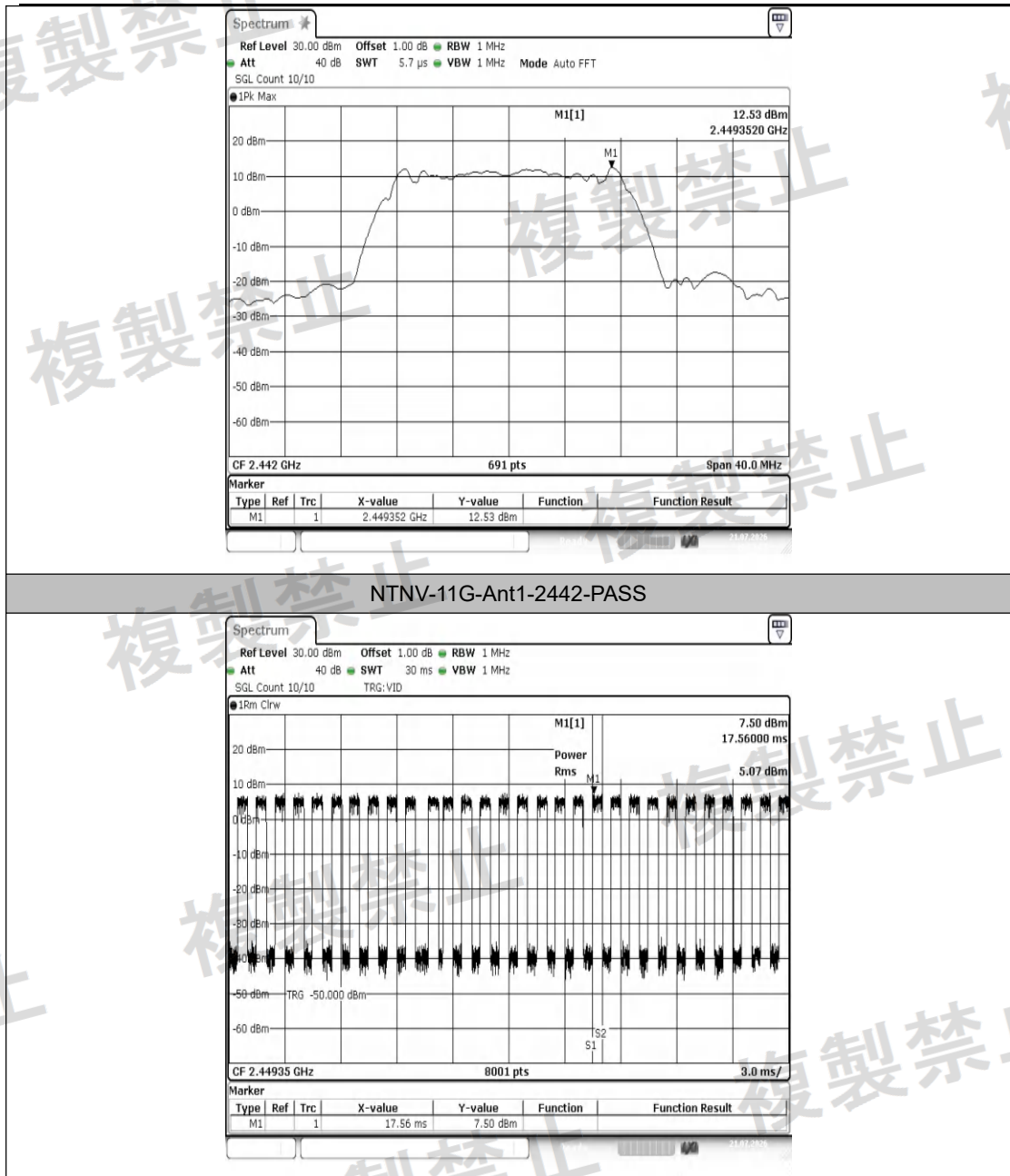
NTNV-11B-Ant1-2412-PASS

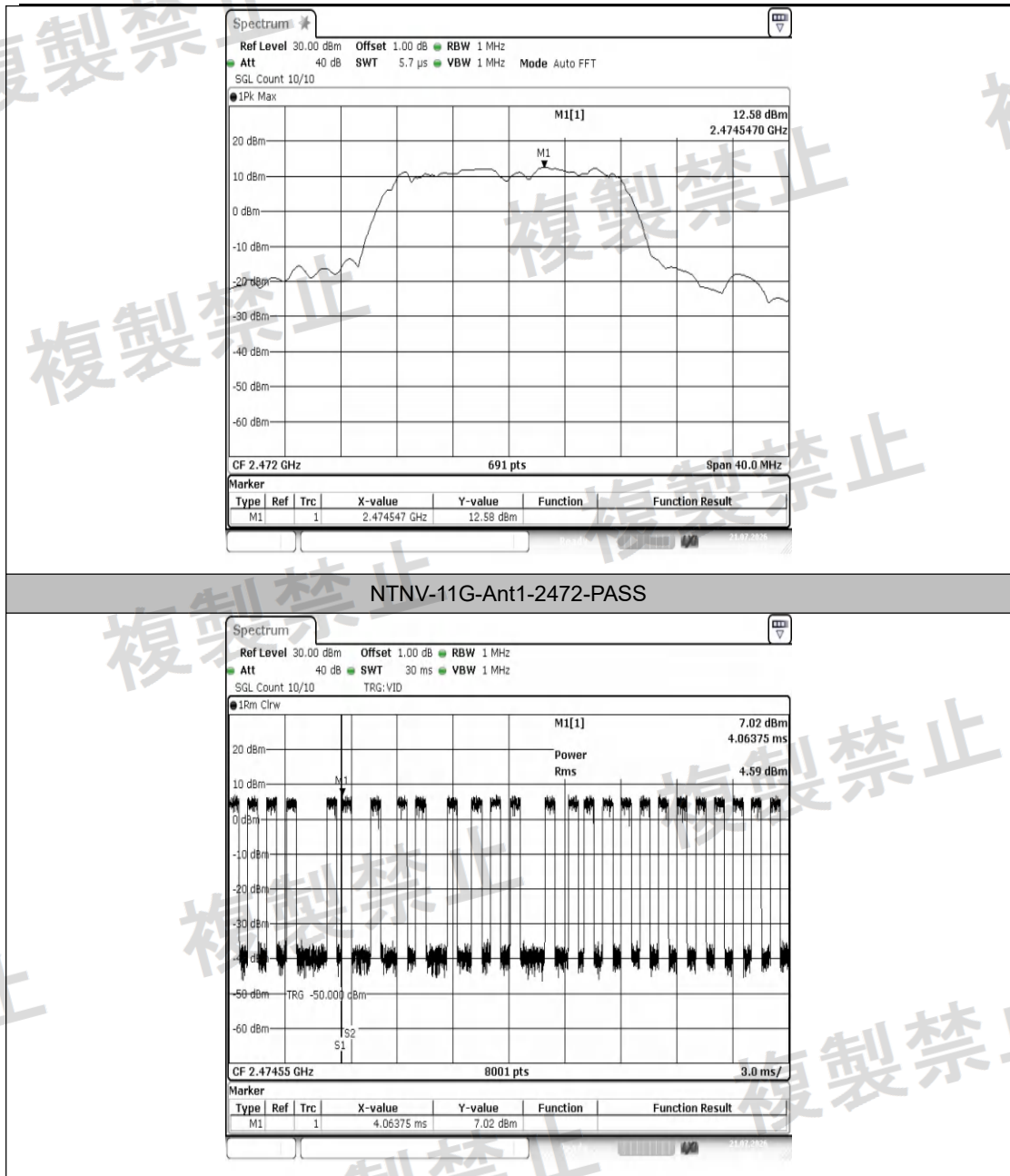


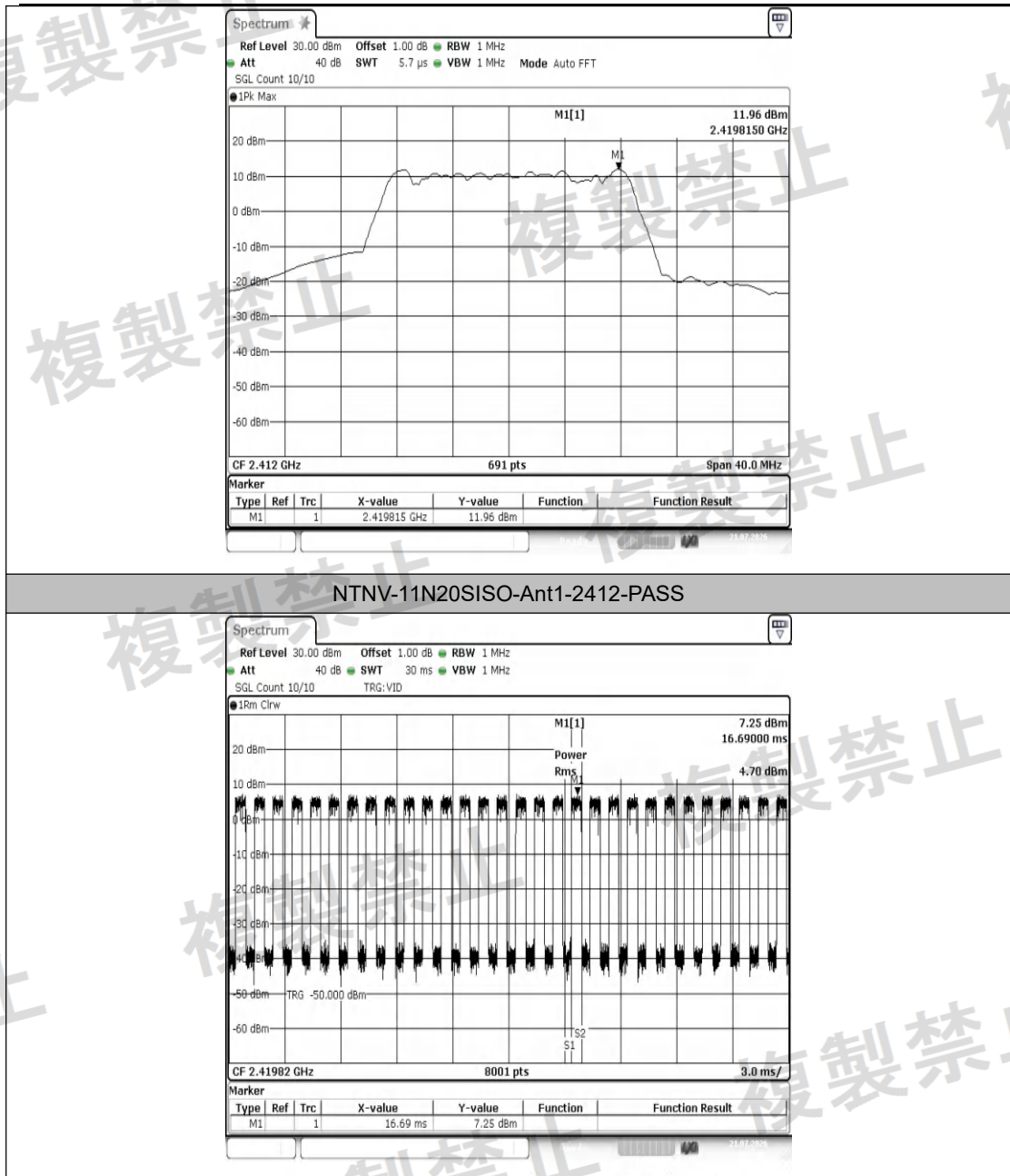


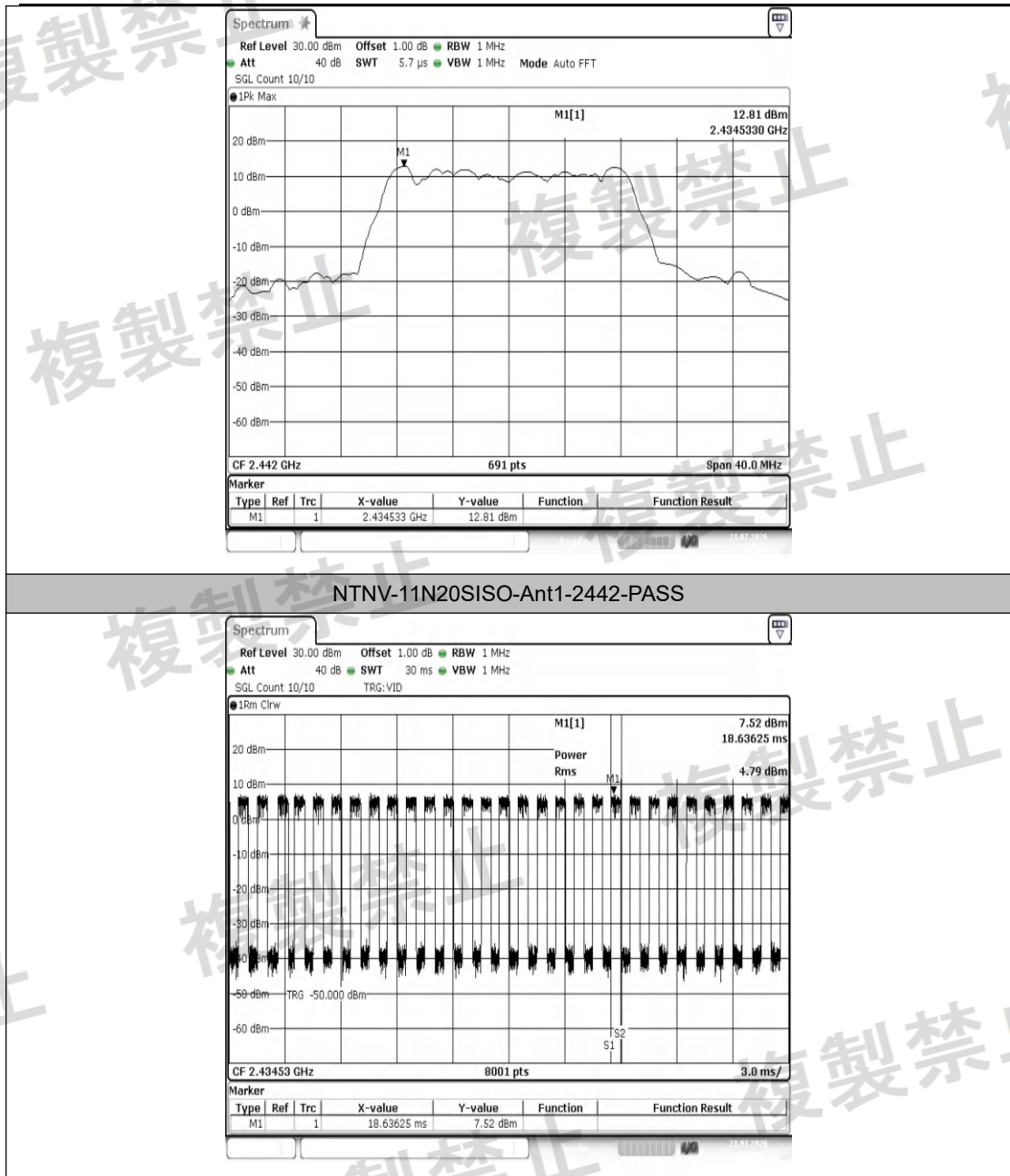


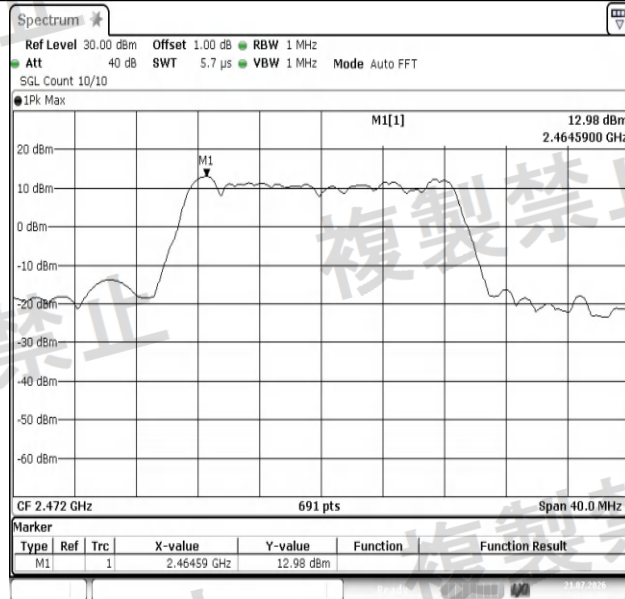




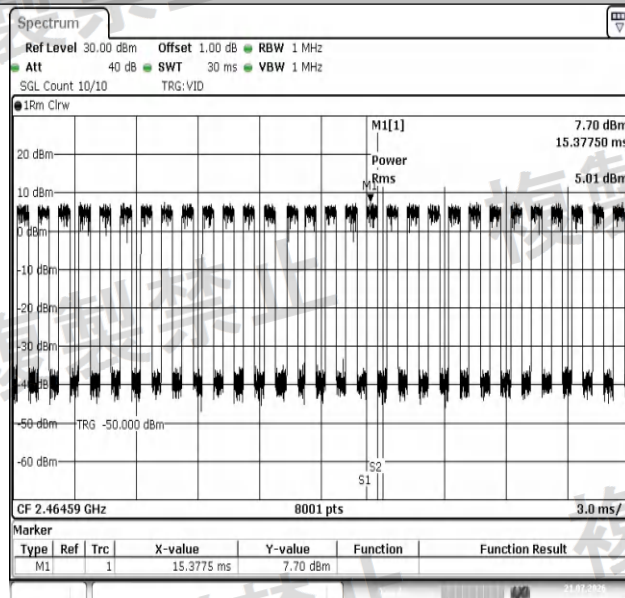








NTNV-11N20SISO-Ant1-2472-PASS



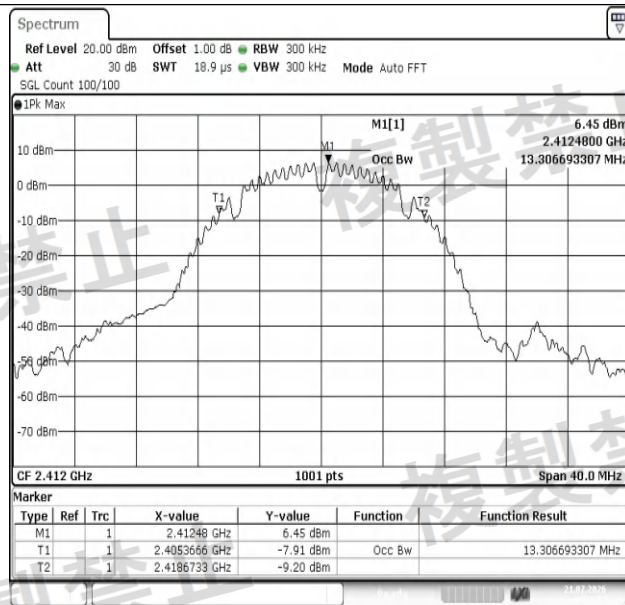
Appendix C: Occupied Bandwidth

Test Result

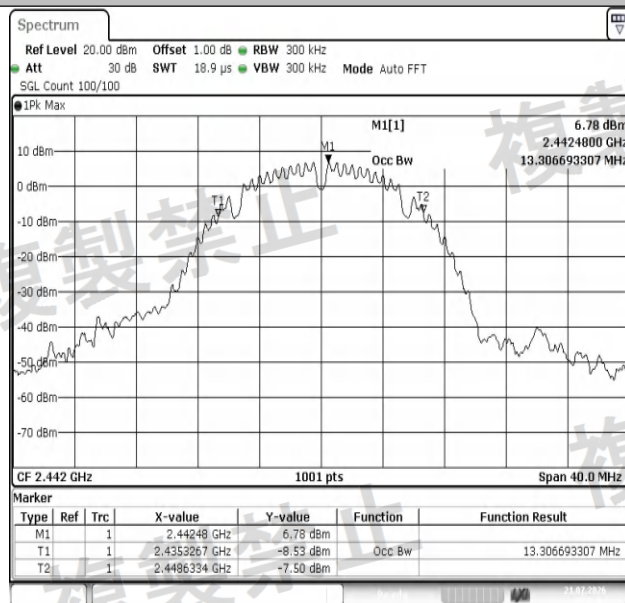
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.307	≤26	PASS
NTNV	11B	Ant1	2442	13.307	≤26	PASS
NTNV	11B	Ant1	2472	13.267	≤26	PASS
NTNV	11G	Ant1	2412	16.663	≤26	PASS
NTNV	11G	Ant1	2442	16.703	≤26	PASS
NTNV	11G	Ant1	2472	17.143	≤26	PASS
NTNV	11N20SI SO	Ant1	2412	17.622	≤26	PASS
NTNV	11N20SI SO	Ant1	2442	17.822	≤26	PASS
NTNV	11N20SI SO	Ant1	2472	17.782	≤26	PASS



Test Graphs

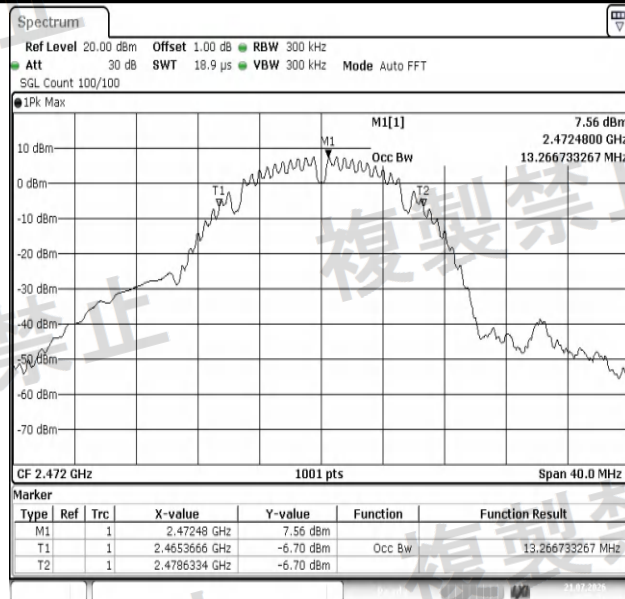


NTNV-11B-Ant1-2412-PASS

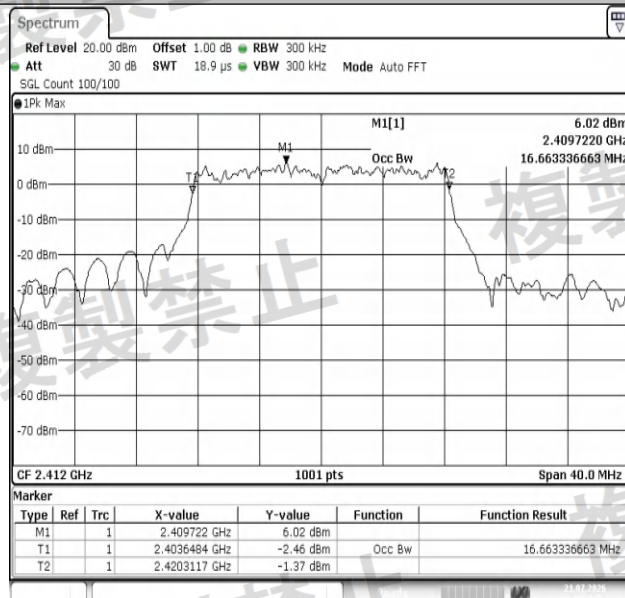


NTNV-11B-Ant1-2442-PASS



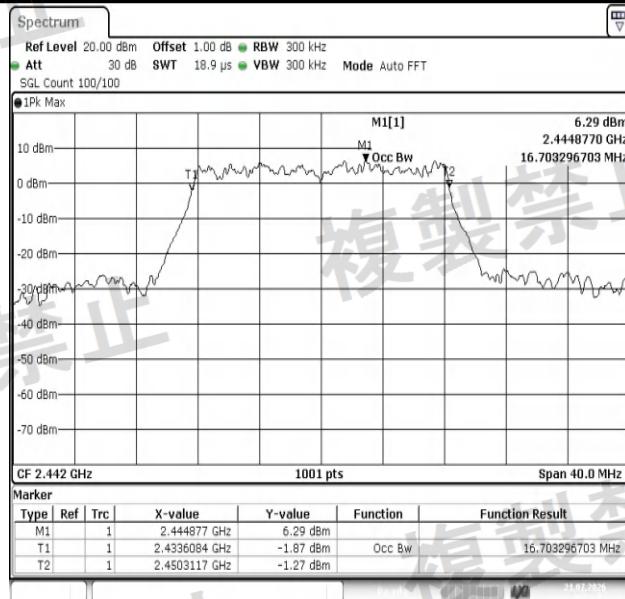


NTNV-11B-Ant1-2472-PASS

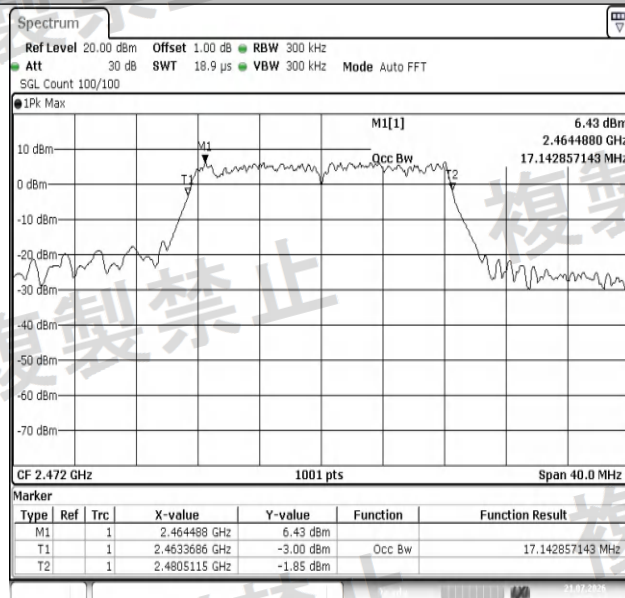


NTNV-11G-Ant1-2412-PASS



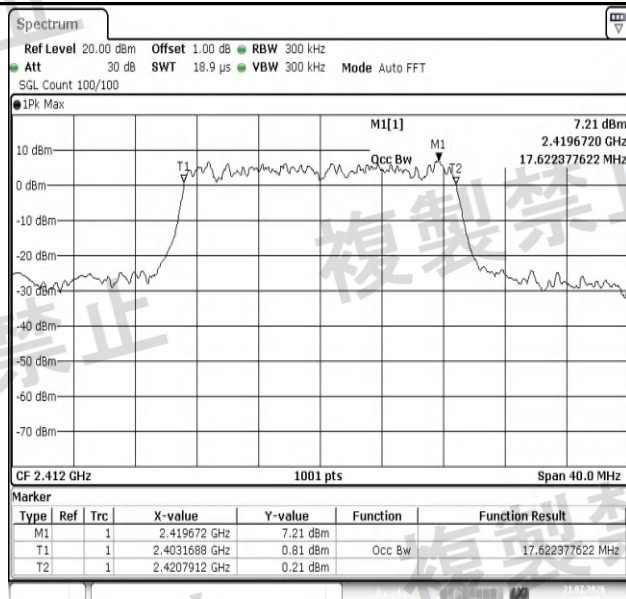


NTNV-11G-Ant1-2442-PASS

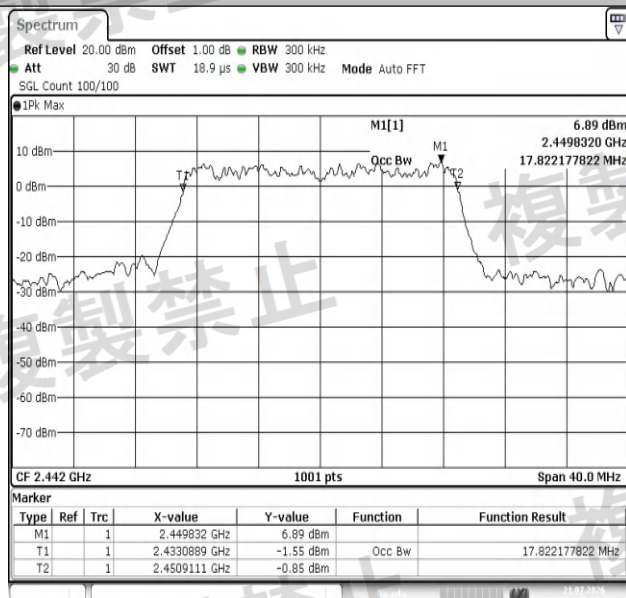


NTNV-11G-Ant1-2472-PASS



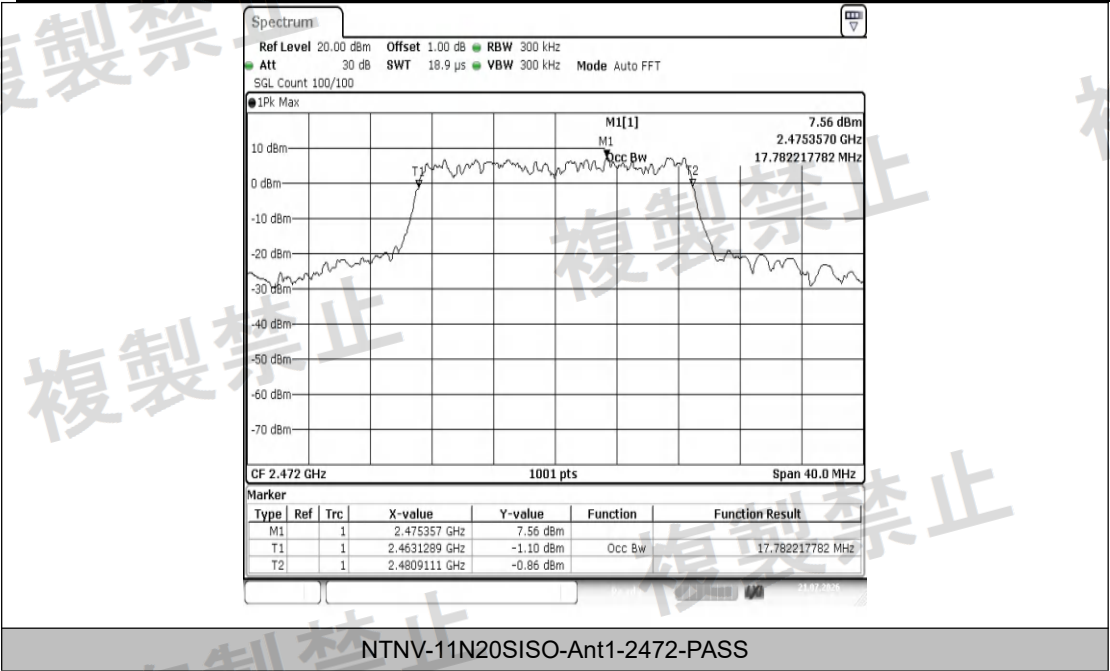


NTNV-11N20SISO-Ant1-2412-PASS



NTNV-11N20SISO-Ant1-2442-PASS





Appendix D: Spurious Emission of TX

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	11B	Ant1	2412	30~1000	720.40	-49.72	≤ -26	0.01067	≤ 2.5	PASS
NTNV	11B	Ant1	2412	1000~2387	2387.00	-47.49	≤ -26	0.01782	≤ 2.5	PASS
NTNV	11B	Ant1	2412	2387~2400	2399.90	-20.69	≤ -16	8.53100	≤ 25	PASS
NTNV	11B	Ant1	2412	2483.5~2496.5	2495.89	-37.66	≤ -16	0.17140	≤ 25	PASS
NTNV	11B	Ant1	2412	2496.5~13000	5858.67	-44.82	≤ -26	0.03296	≤ 2.5	PASS
NTNV	11B	Ant1	2442	30~1000	986.42	-50.40	≤ -26	0.00912	≤ 2.5	PASS
NTNV	11B	Ant1	2442	1000~2387	1976.79	-48.79	≤ -26	0.01321	≤ 2.5	PASS
NTNV	11B	Ant1	2442	2387~2400	2397.74	-38.35	≤ -16	0.14622	≤ 25	PASS
NTNV	11B	Ant1	2442	2483.5~2496.5	2487.67	-37.61	≤ -16	0.17338	≤ 25	PASS
NTNV	11B	Ant1	2442	2496.5~13000	4069.92	-43.65	≤ -26	0.04315	≤ 2.5	PASS
NTNV	11B	Ant1	2472	30~1000	859.35	-50.04	≤ -26	0.00991	≤ 2.5	PASS
NTNV	11B	Ant1	2472	1000~2387	2274.65	-47.99	≤ -26	0.01589	≤ 2.5	PASS
NTNV	11B	Ant1	2472	2387~2400	2387.32	-38.23	≤ -16	0.15031	≤ 25	PASS
NTNV	11B	Ant1	2472	2483.5~2496.5	2483.5	-17.61	≤ -16	17.33804	≤ 25	See table below
NTNV	11B	Ant1	2472	2496.5~13000	6928.45	-44.25	≤ -26	0.03758	≤ 2.5	PASS

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				0						
NTNV	11G	Ant1	2412	30~10 00	804. 30	-49.42	≤-26	0.0114 3	≤2.5	PASS
NTNV	11G	Ant1	2412	1000~ 2387	238 2.15	-28.19	≤-26	1.5170 5	≤2.5	See table below
NTNV	11G	Ant1	2412	2387~ 2400	239 9.19	-11.13	≤-16	77.090 35	≤25	See table below
NTNV	11G	Ant1	2412	2483.5 ~2496. 5	248 9.79	-37.67	≤-16	0.1710 0	≤25	PASS
NTNV	11G	Ant1	2412	2496.5 ~1300 0	696 4.69	-44.49	≤-26	0.0355 6	≤2.5	PASS
NTNV	11G	Ant1	2442	30~10 00	820. 31	-49.47	≤-26	0.0113 0	≤2.5	PASS
NTNV	11G	Ant1	2442	1000~ 2387	236 4.81	-47.94	≤-26	0.0160 7	≤2.5	PASS
NTNV	11G	Ant1	2442	2387~ 2400	239 9.72	-29.46	≤-16	1.1324 0	≤25	PASS
NTNV	11G	Ant1	2442	2483.5 ~2496. 5	248 3.99	-28.35	≤-16	1.4621 8	≤25	PASS
NTNV	11G	Ant1	2442	2496.5 ~1300 0	697 9.92	-44.13	≤-26	0.0386 4	≤2.5	PASS
NTNV	11G	Ant1	2472	30~10 00	990. 54	-49.92	≤-26	0.0101 9	≤2.5	PASS
NTNV	11G	Ant1	2472	1000~ 2387	220 2.18	-49.19	≤-26	0.0120 5	≤2.5	PASS
NTNV	11G	Ant1	2472	2387~ 2400	239 1.20	-38.41	≤-16	0.1442 1	≤25	PASS
NTNV	11G	Ant1	2472	2483.5 ~2496. 5	248 4.03	-29.67	≤-16	1.0789 5	≤25	PASS
NTNV	11G	Ant1	2472	2496.5 ~1300 0	690 5.87	-43.66	≤-26	0.0430 5	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2412	30~10 00	811. 09	-48.92	≤-26	0.0128 2	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2412	1000~ 2387	238 4.57	-24.77	≤-26	3.3342 6	≤2.5	See table

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NTNV	11N20S ISO	Ant1	2412	2387~ 2400	239 7.74	-8.71	≤-16	134.58 604	≤25	below See table below
NTNV	11N20S ISO	Ant1	2412	2483.5 ~2496. 5	248 5.79	-35.42	≤-16	0.2870 8	≤25	PASS
NTNV	11N20S ISO	Ant1	2412	2496.5 ~1300 0	693 9.48	-44.23	≤-26	0.0377 6	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2442	30~10 00	806. 73	-48.97	≤-26	0.0126 8	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2442	1000~ 2387	238 5.96	-44.28	≤-26	0.0373 3	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2442	2387~ 2400	239 9.20	-27.86	≤-16	1.6368 2	≤25	PASS
NTNV	11N20S ISO	Ant1	2442	2483.5 ~2496. 5	248 5.73	-22.80	≤-16	5.2480 7	≤25	PASS
NTNV	11N20S ISO	Ant1	2442	2496.5 ~1300 0	250 0.18	-36.79	≤-26	0.2094 1	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2472	30~10 00	847. 95	-49.91	≤-26	0.0102 1	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2472	1000~ 2387	218 4.15	-48.82	≤-26	0.0131 2	≤2.5	PASS
NTNV	11N20S ISO	Ant1	2472	2387~ 2400	238 9.94	-37.89	≤-16	0.1625 5	≤25	PASS
NTNV	11N20S ISO	Ant1	2472	2483.5 ~2496. 5	248 3.50	-29.87	≤-16	1.0303 9	≤25	PASS
NTNV	11N20S ISO	Ant1	2472	2496.5 ~1300 0	697 3.09	-44.06	≤-26	0.0392 6	≤2.5	PASS

Test Result_Step2

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. [MHz]	Result [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11B	Ant1	2472	2483.53	-42.83	0.0521 2	≤25	PASS
NTNV	11G	Ant1	2412	2380.60	-49.11	0.0122	≤2.5	PASS

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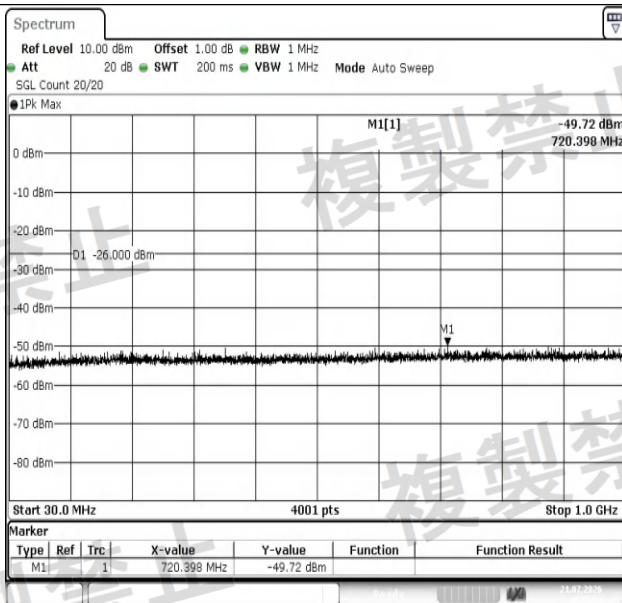
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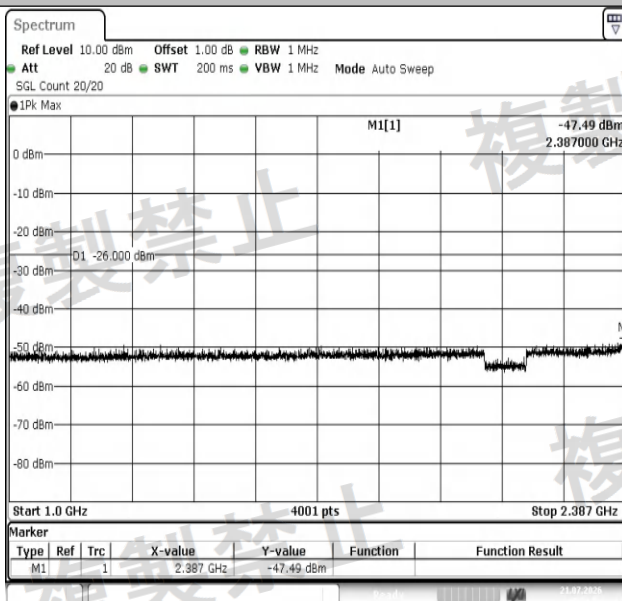
						7		
NTNV	11G	Ant1	2412	2399.51	-31.92	0.6426 9	≤25	PASS
NTNV	11N20SI SO	Ant1	2412	2386.80	-39.68	0.1076 5	≤2.5	PASS
NTNV	11N20SI SO	Ant1	2412	2396.60	-29.64	1.0864 3	≤25	PASS



Test Graphs

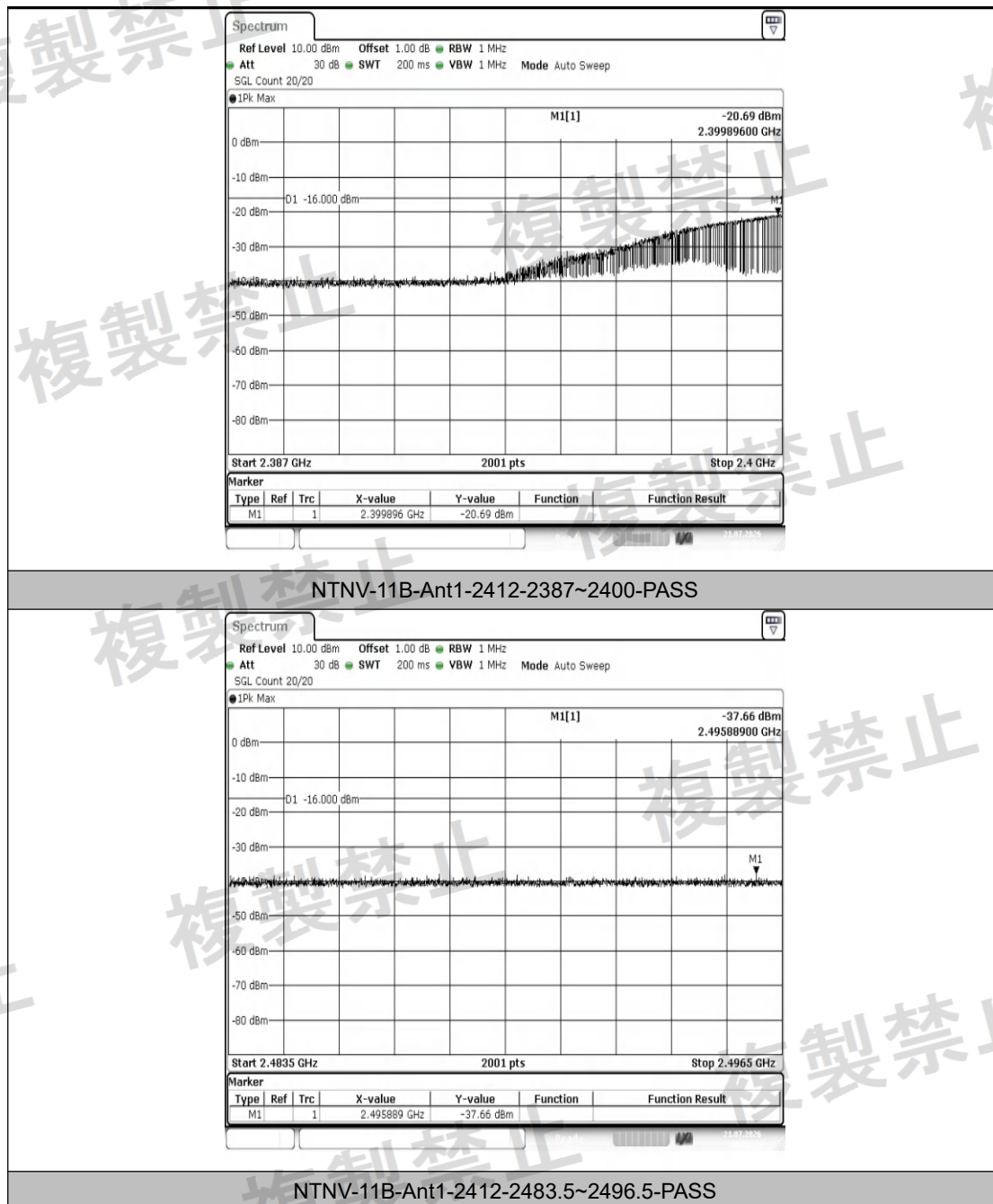


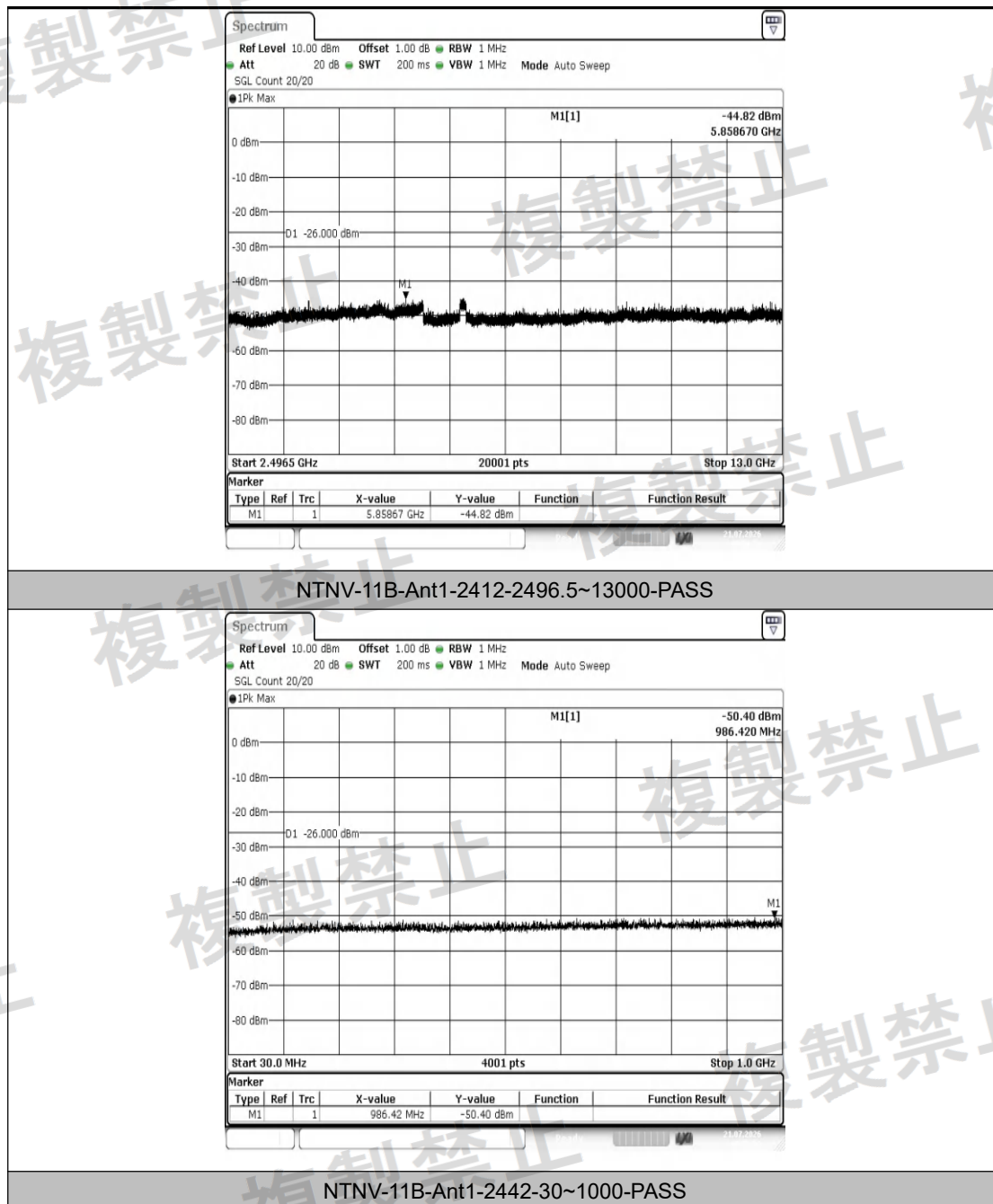
NTNV-11B-Ant1-2412-30~1000-PASS

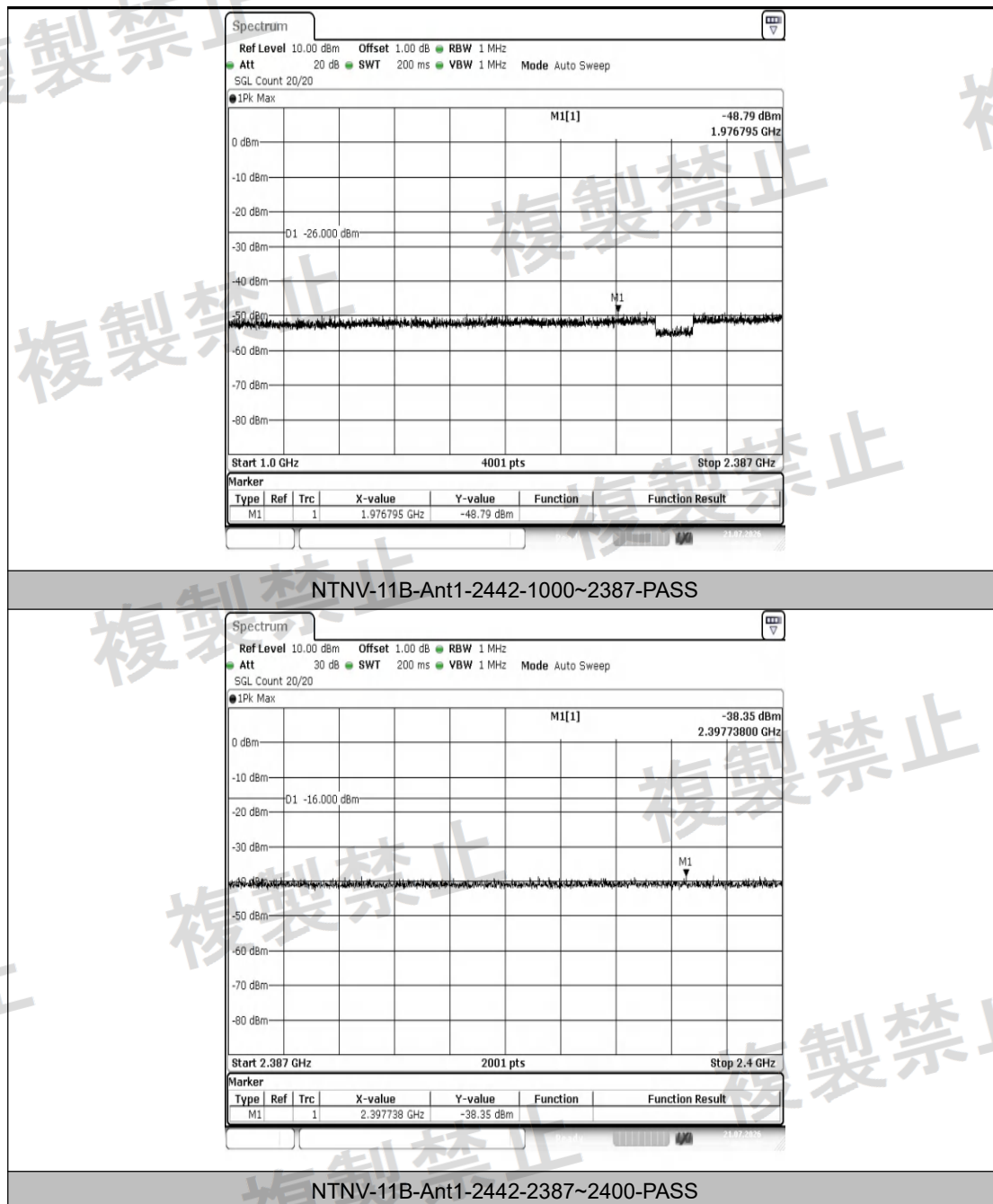


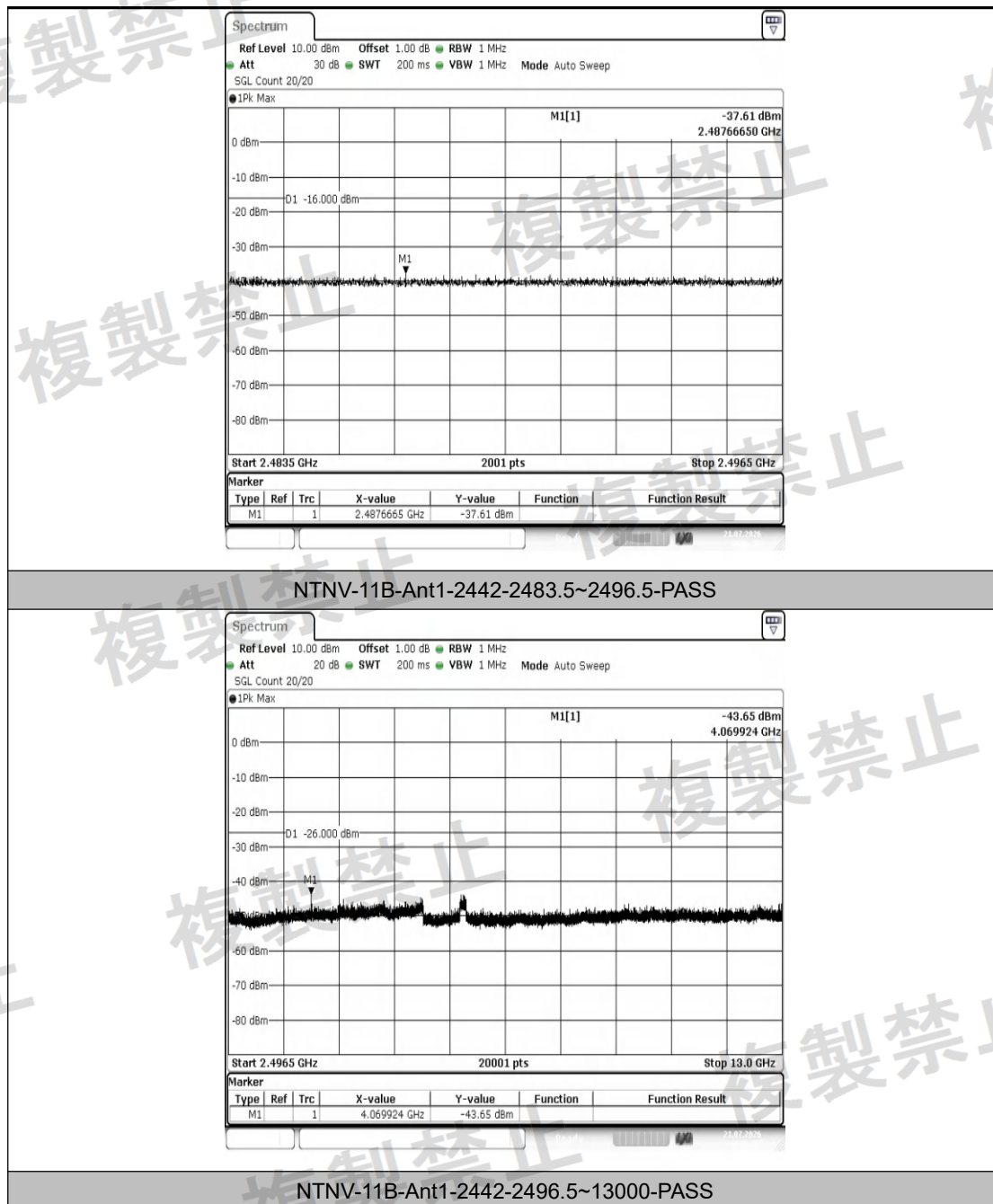
NTNV-11B-Ant1-2412-1000~2387-PASS

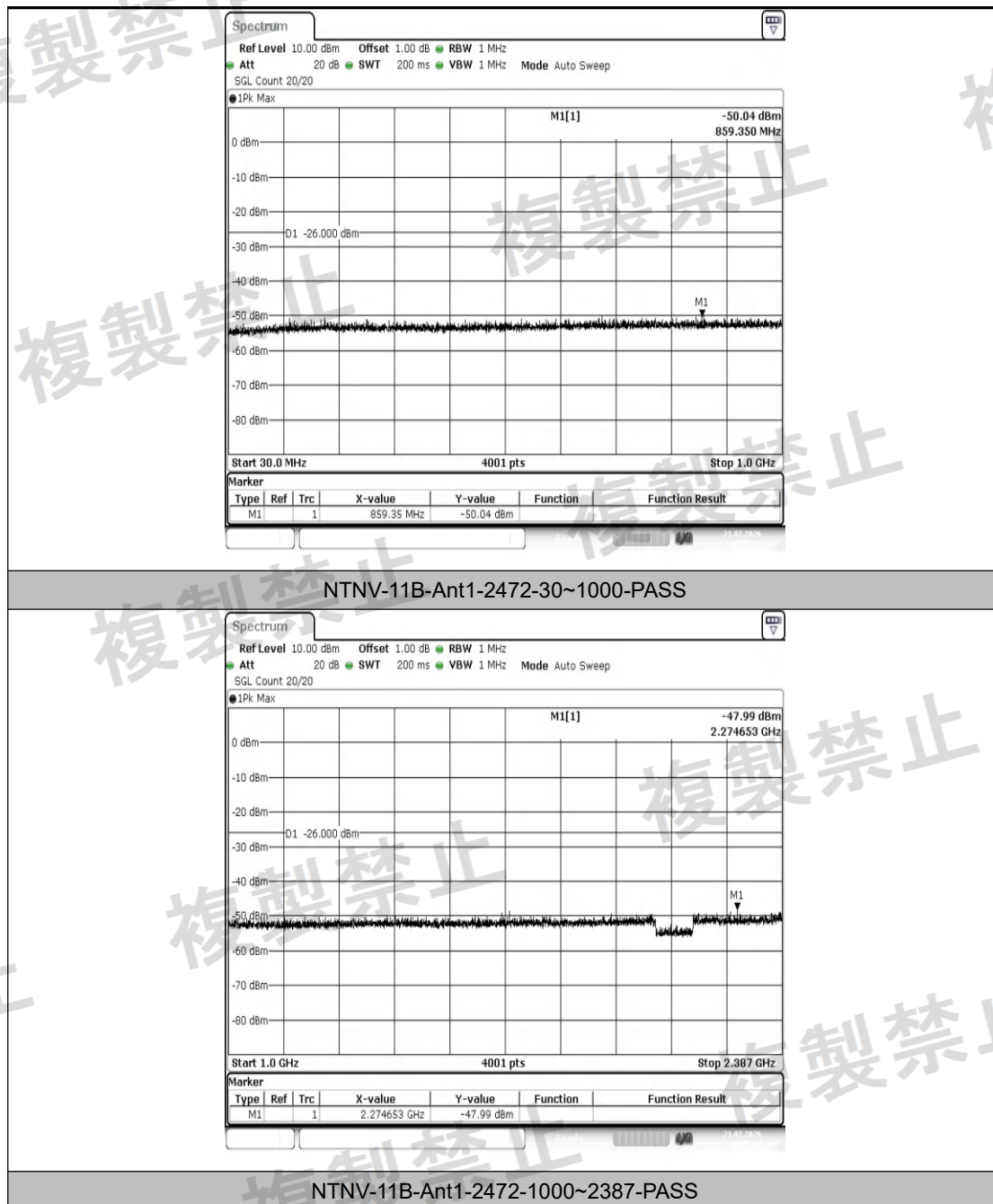


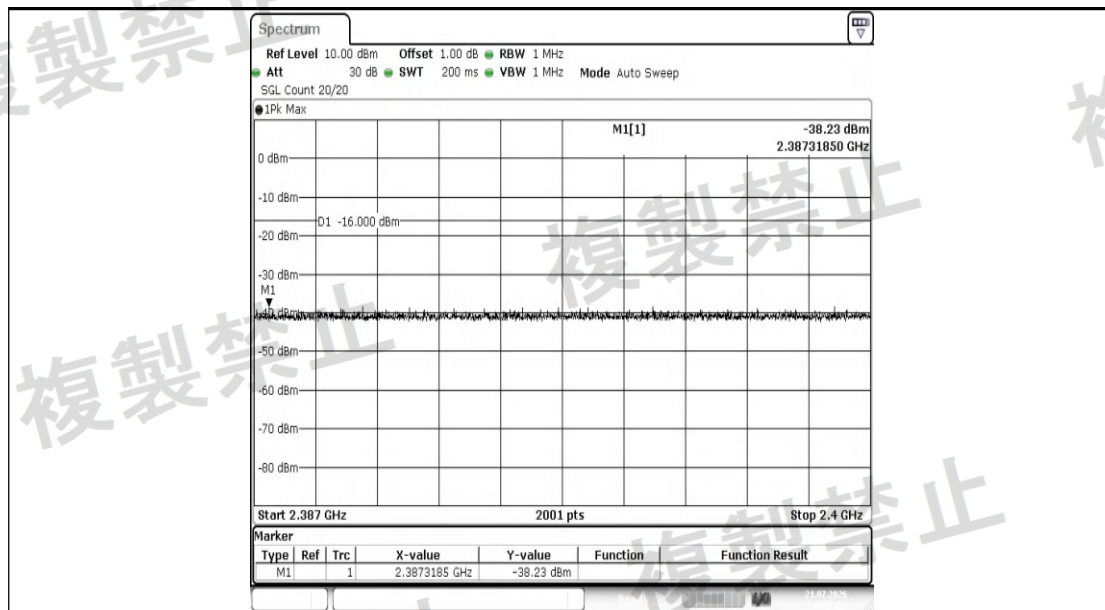




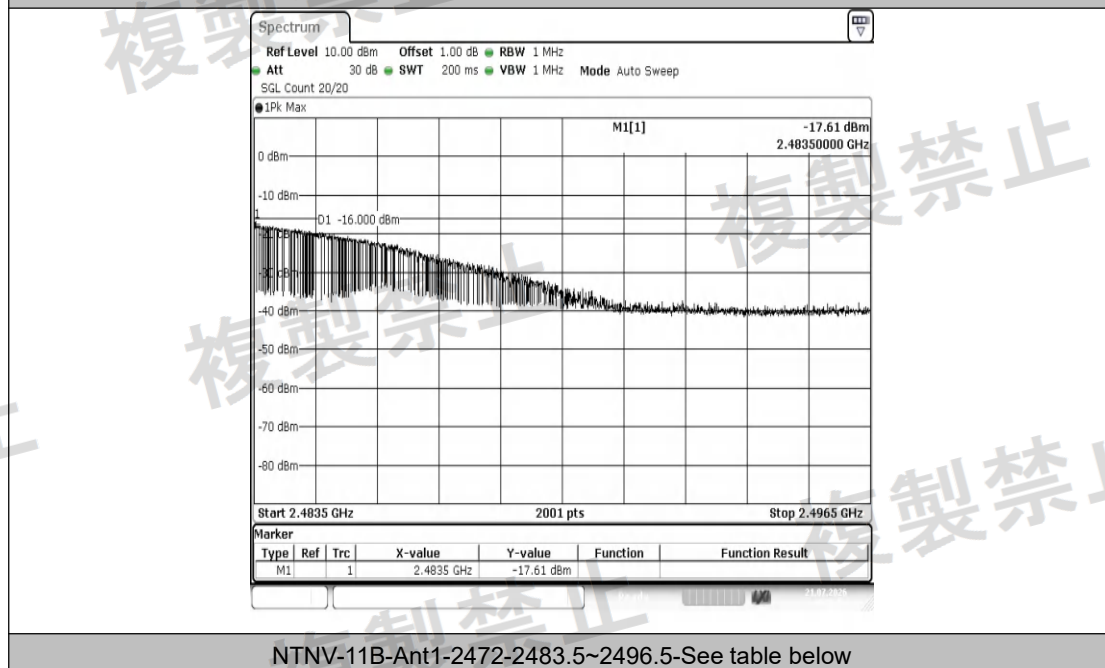






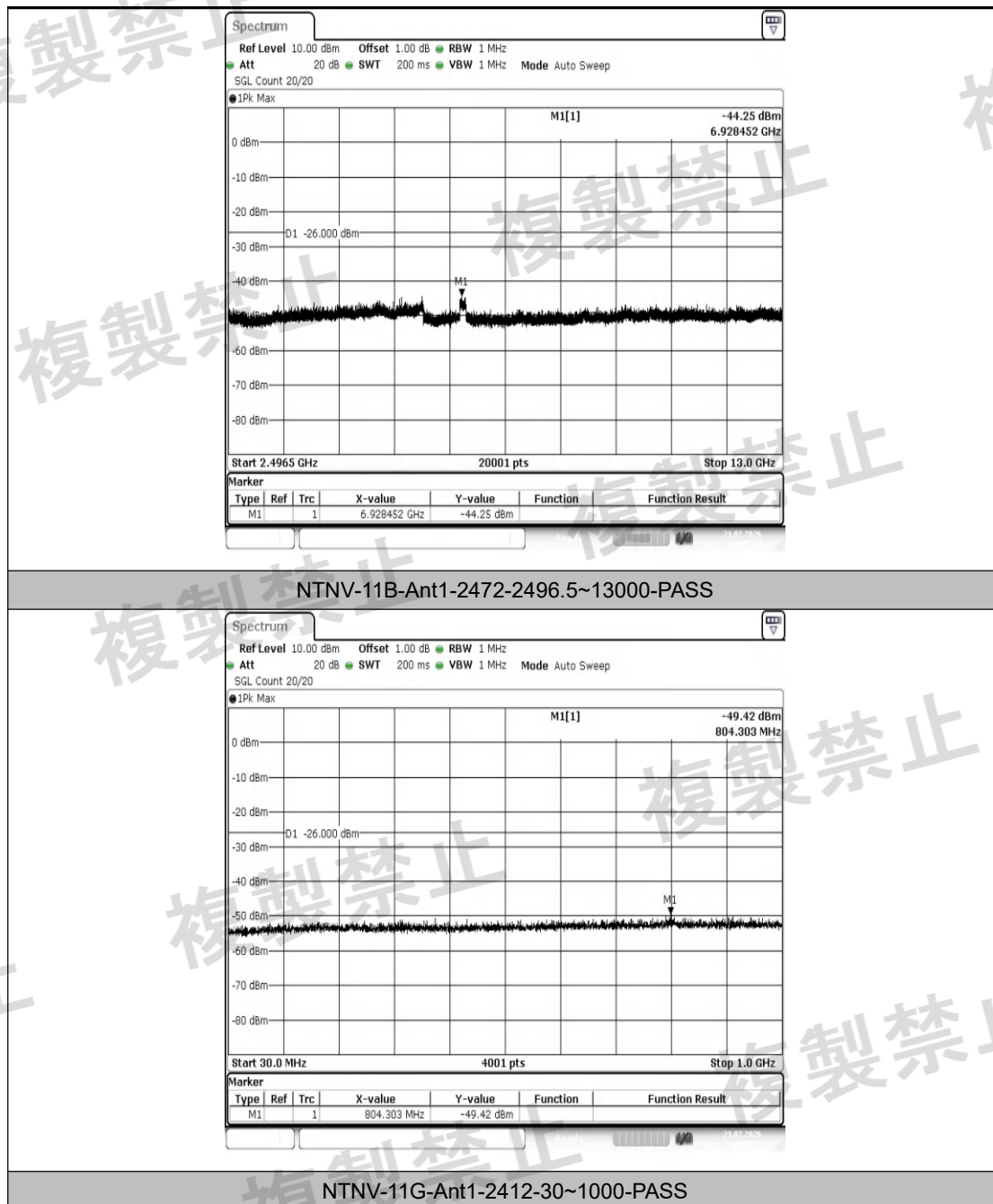


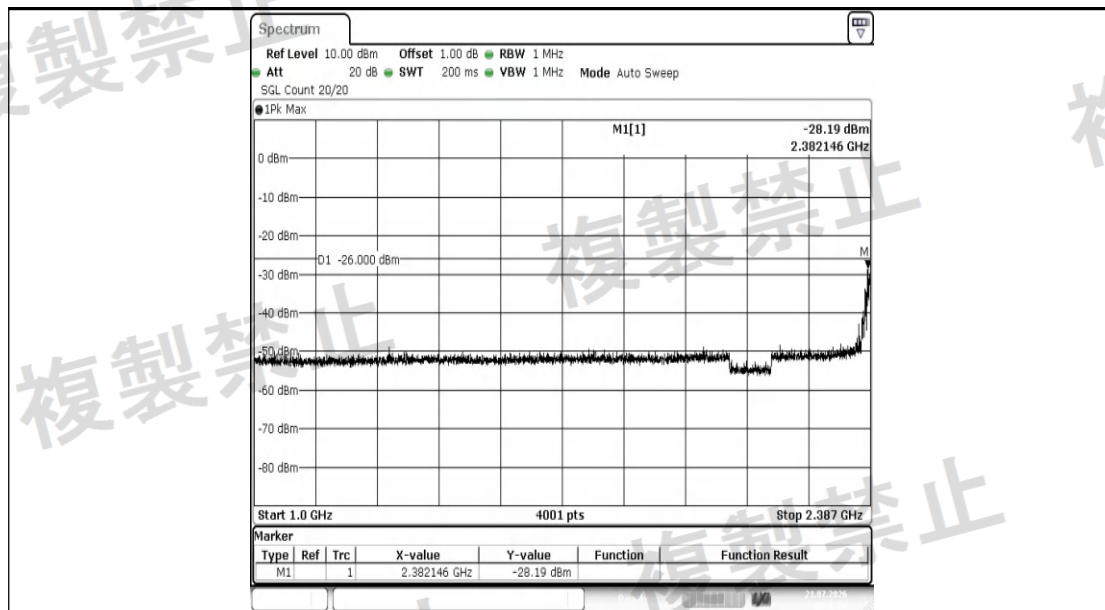
NTNV-11B-Ant1-2472-2387~2400-PASS



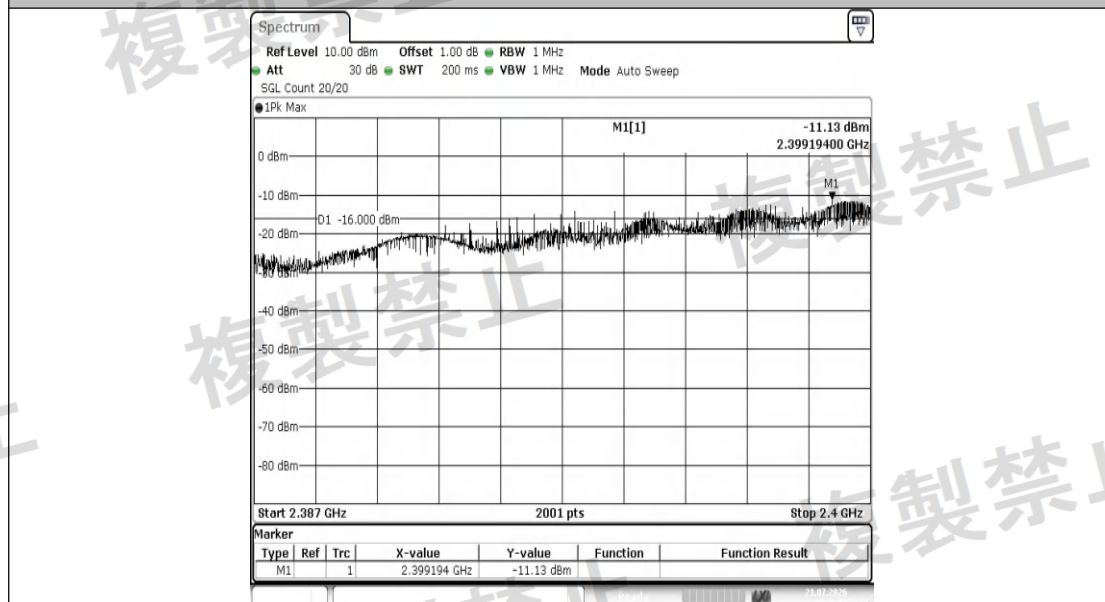
NTNV-11B-Ant1-2472-2483.5~2496.5-See table below





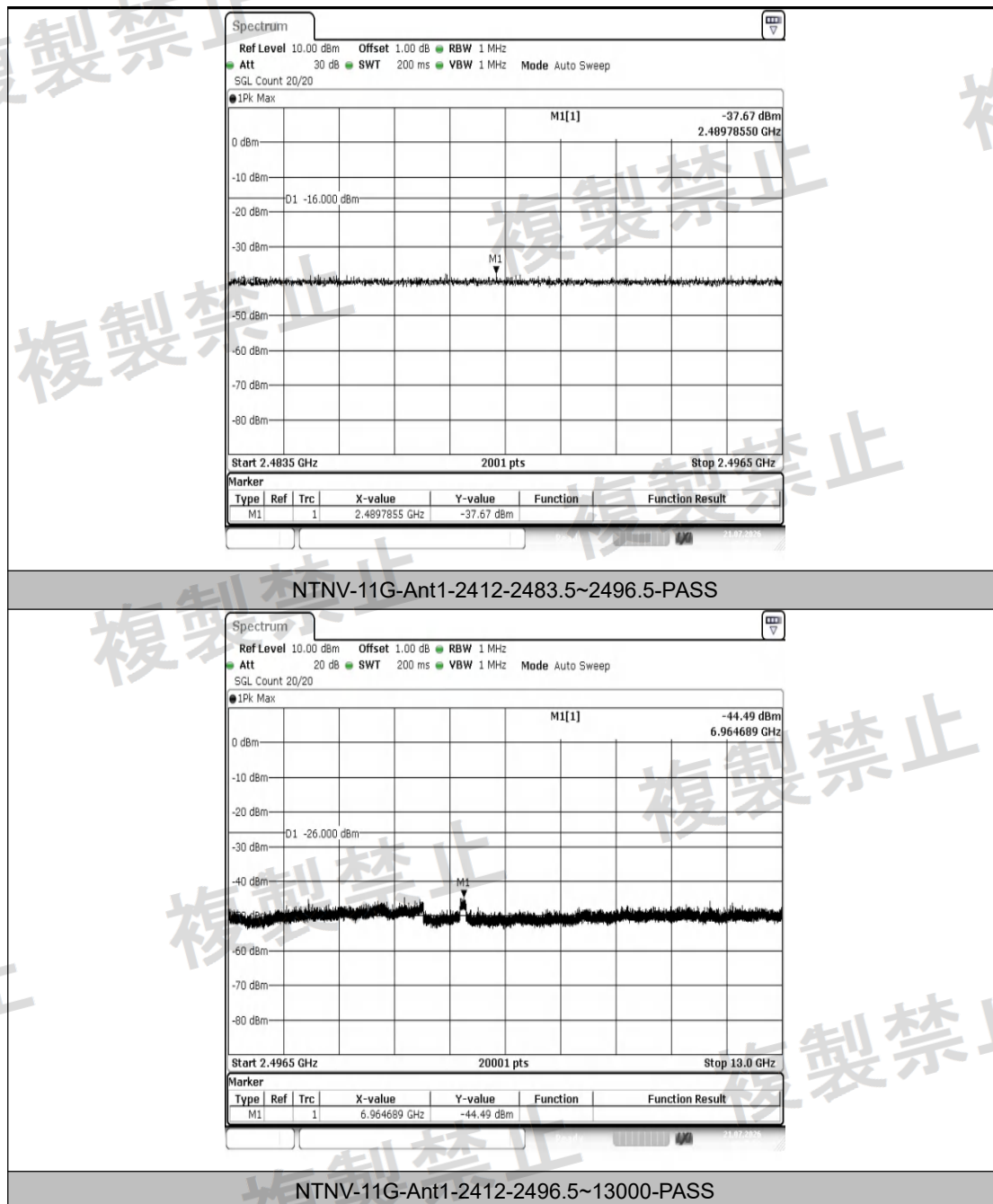


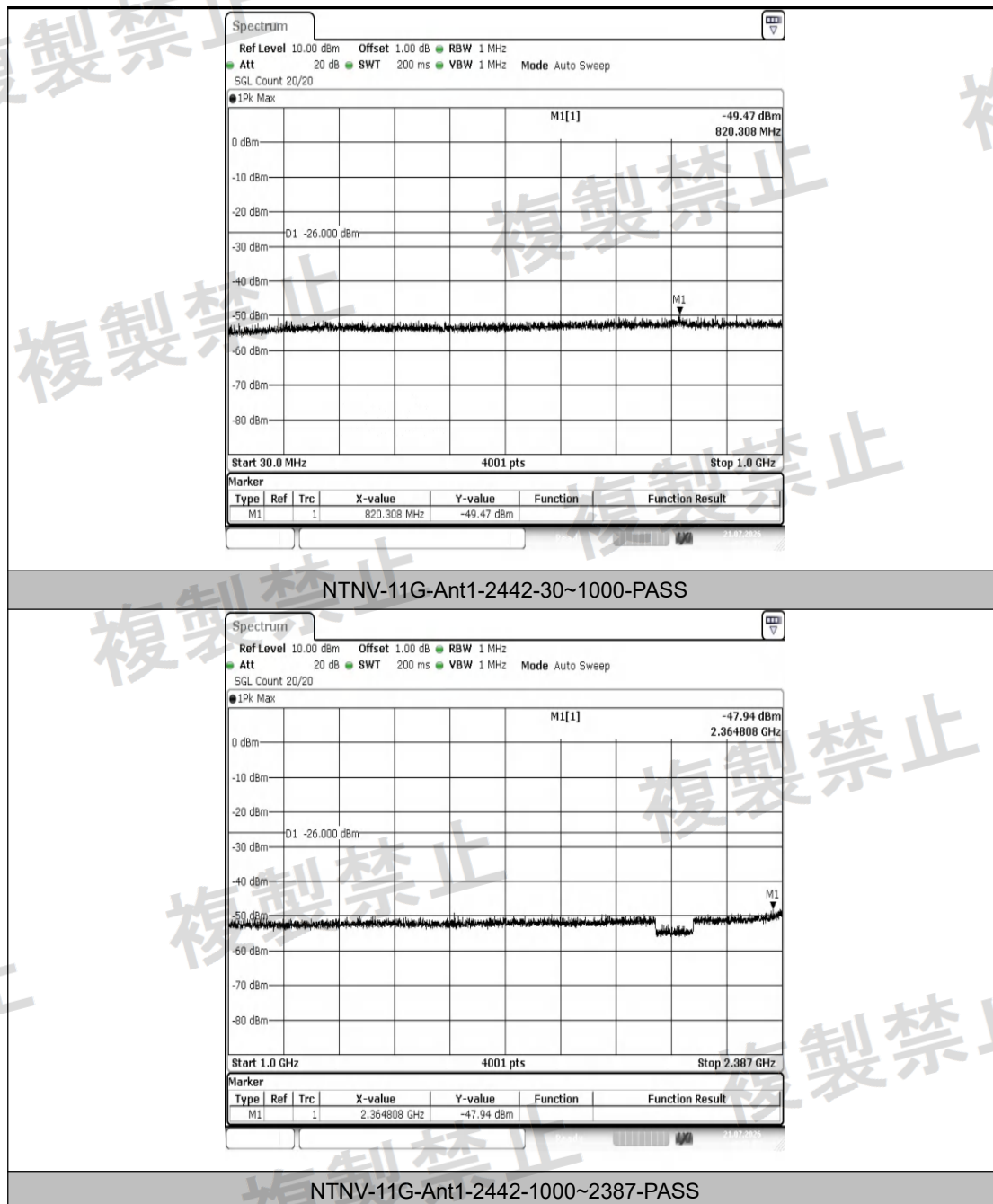
NTNV-11G-Ant1-2412-1000~2387-See table below

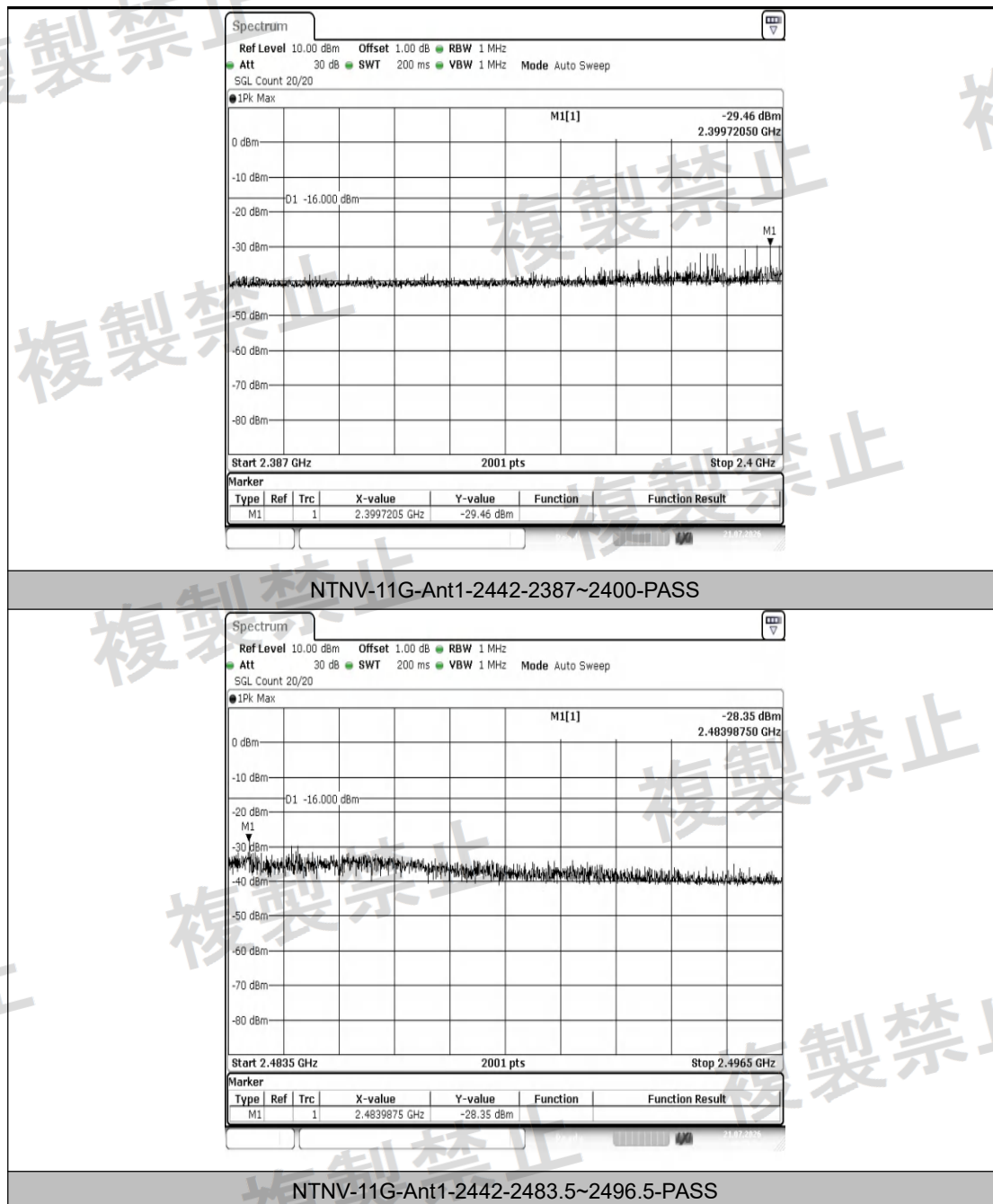


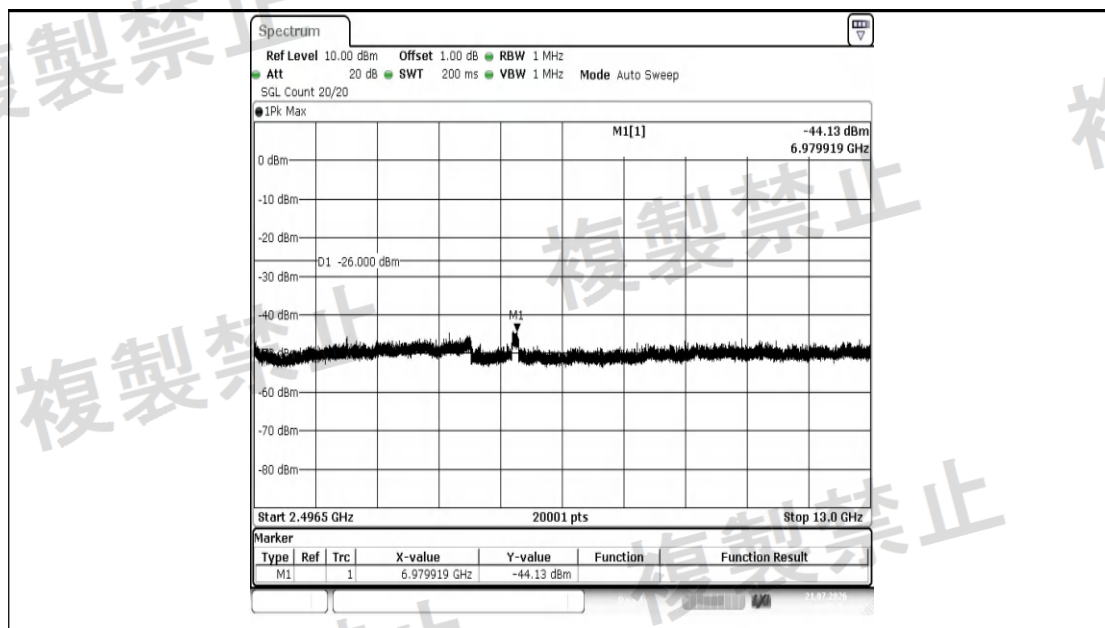
NTNV-11G-Ant1-2412-2387~2400-See table below



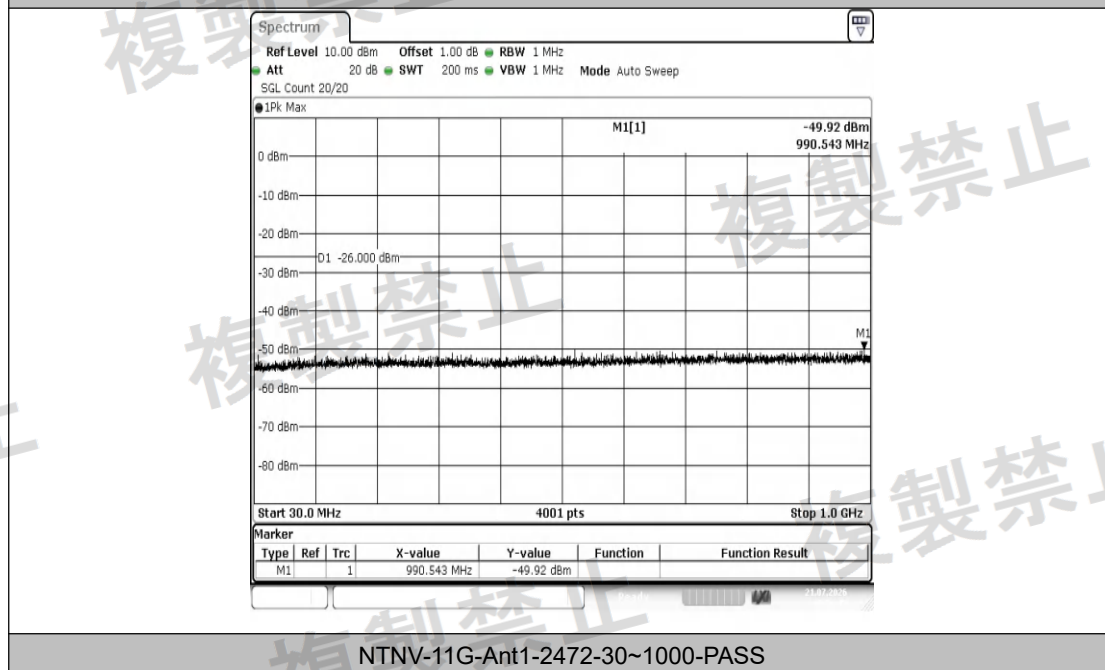






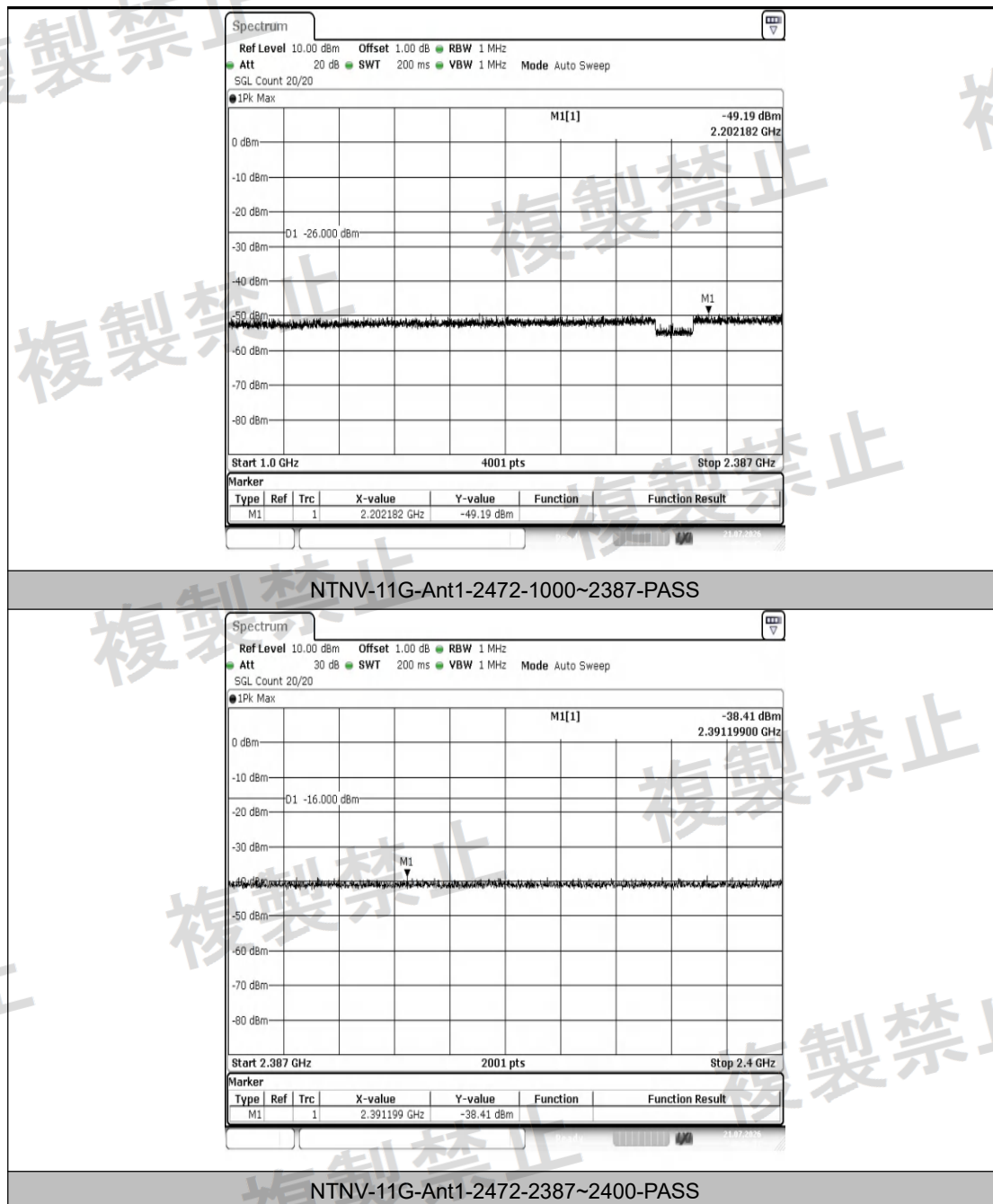


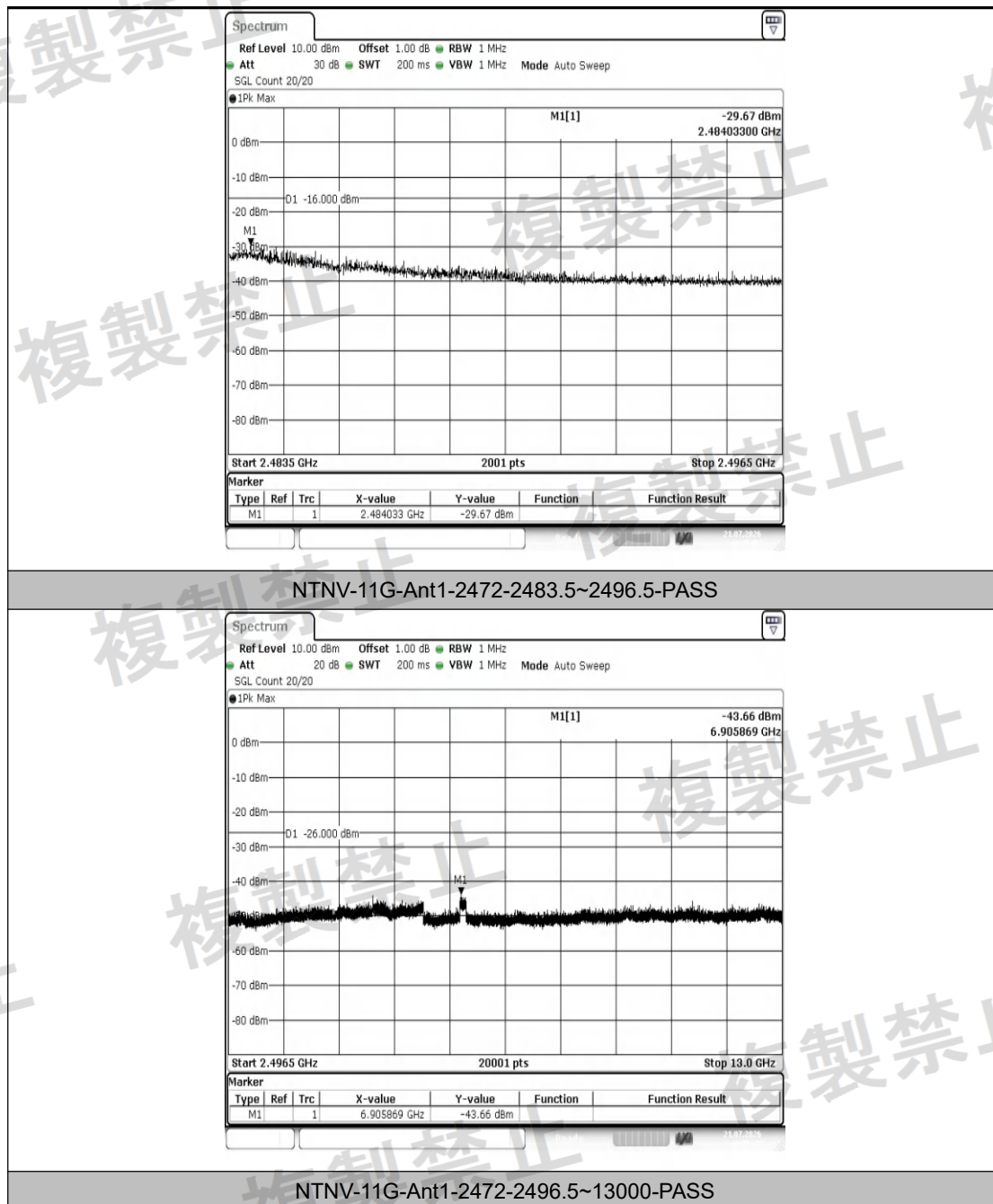
NTNV-11G-Ant1-2442-2496.5~13000-PASS

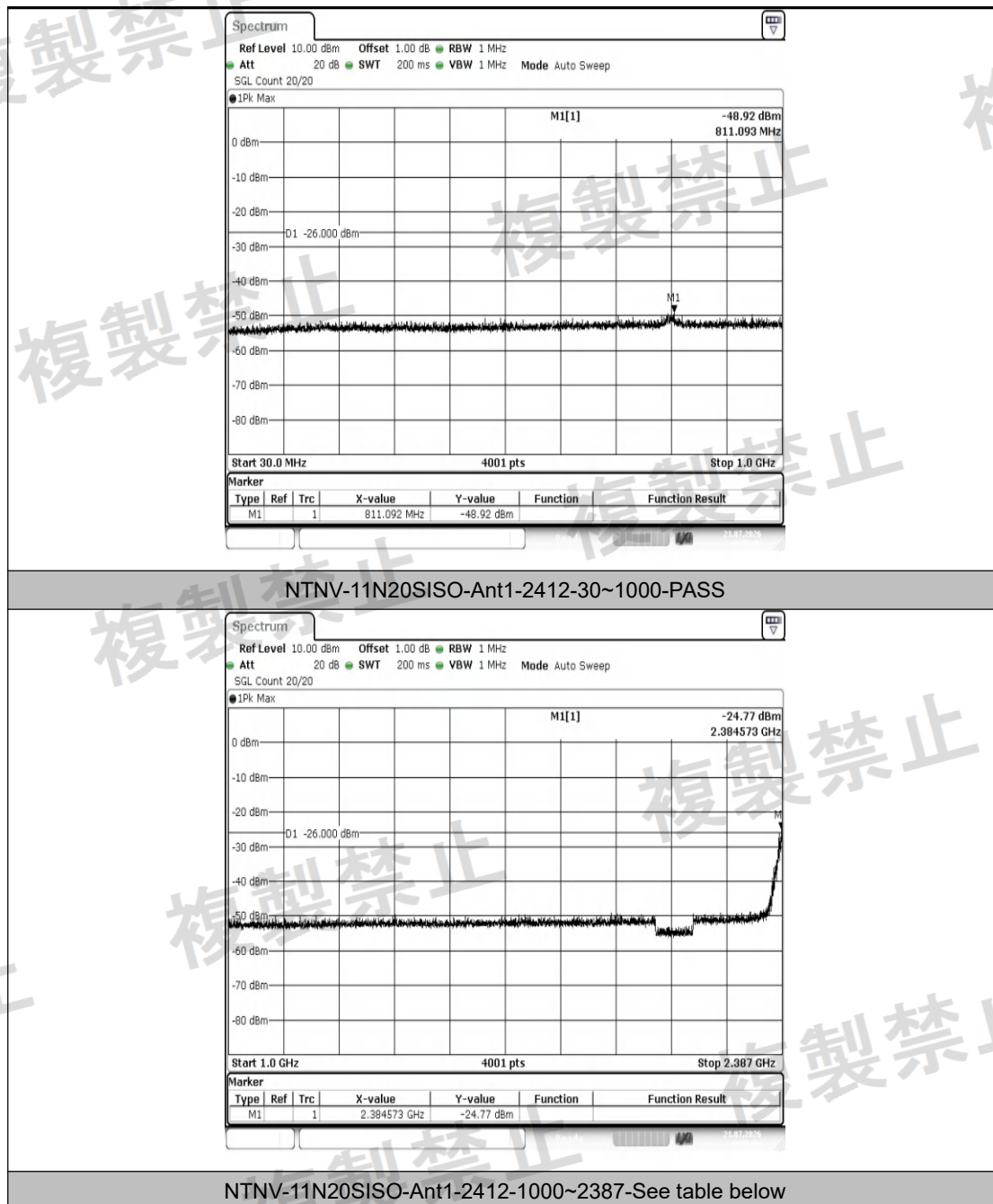


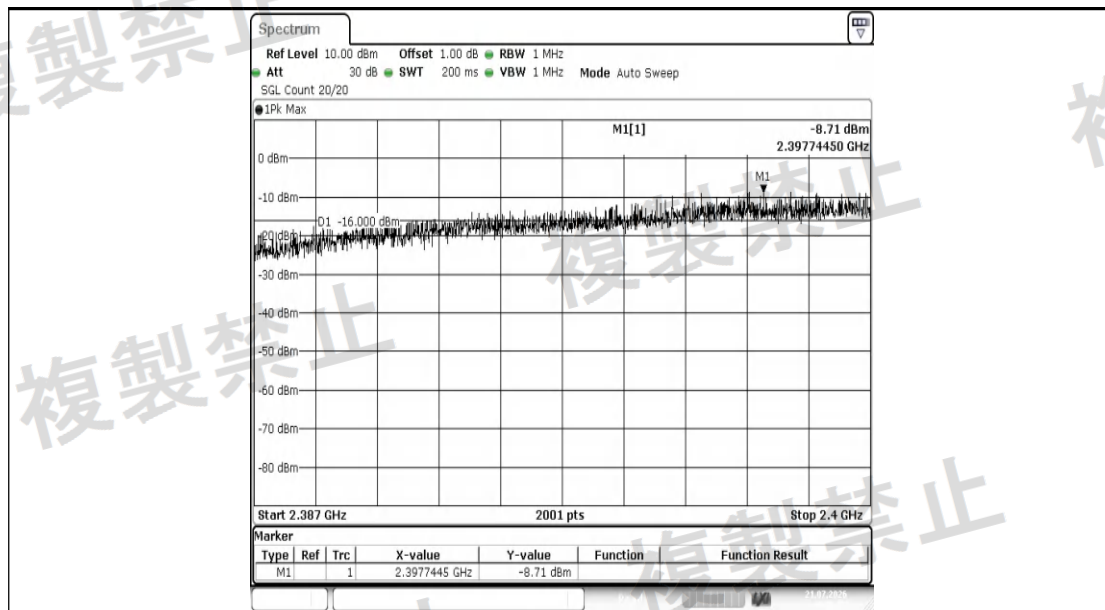
NTNV-11G-Ant1-2472-30~1000-PASS



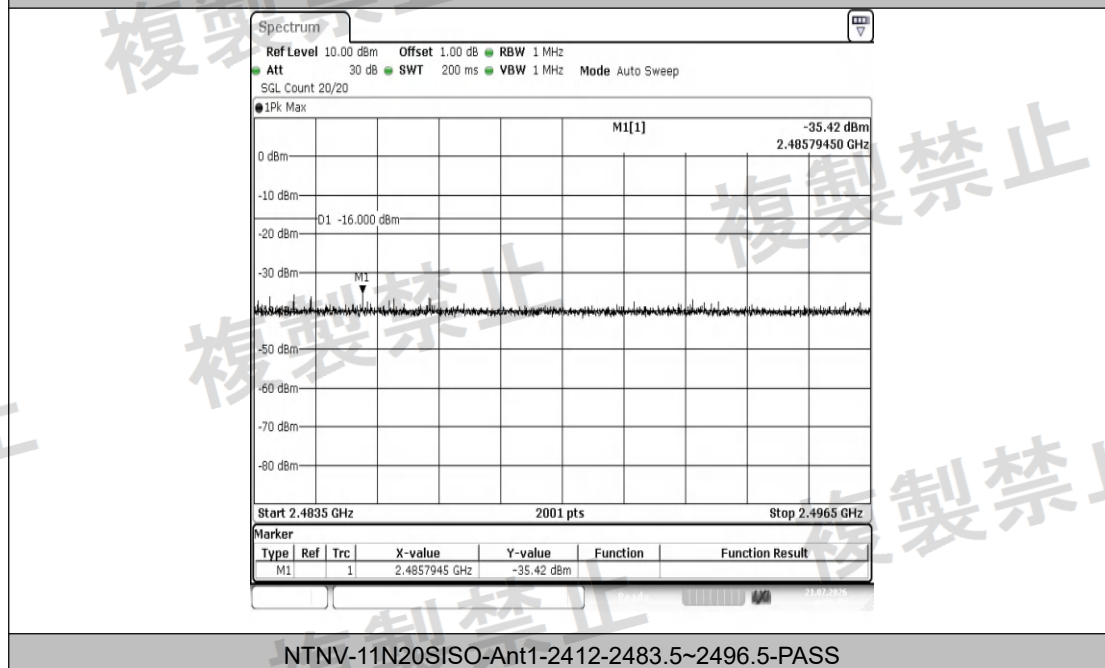






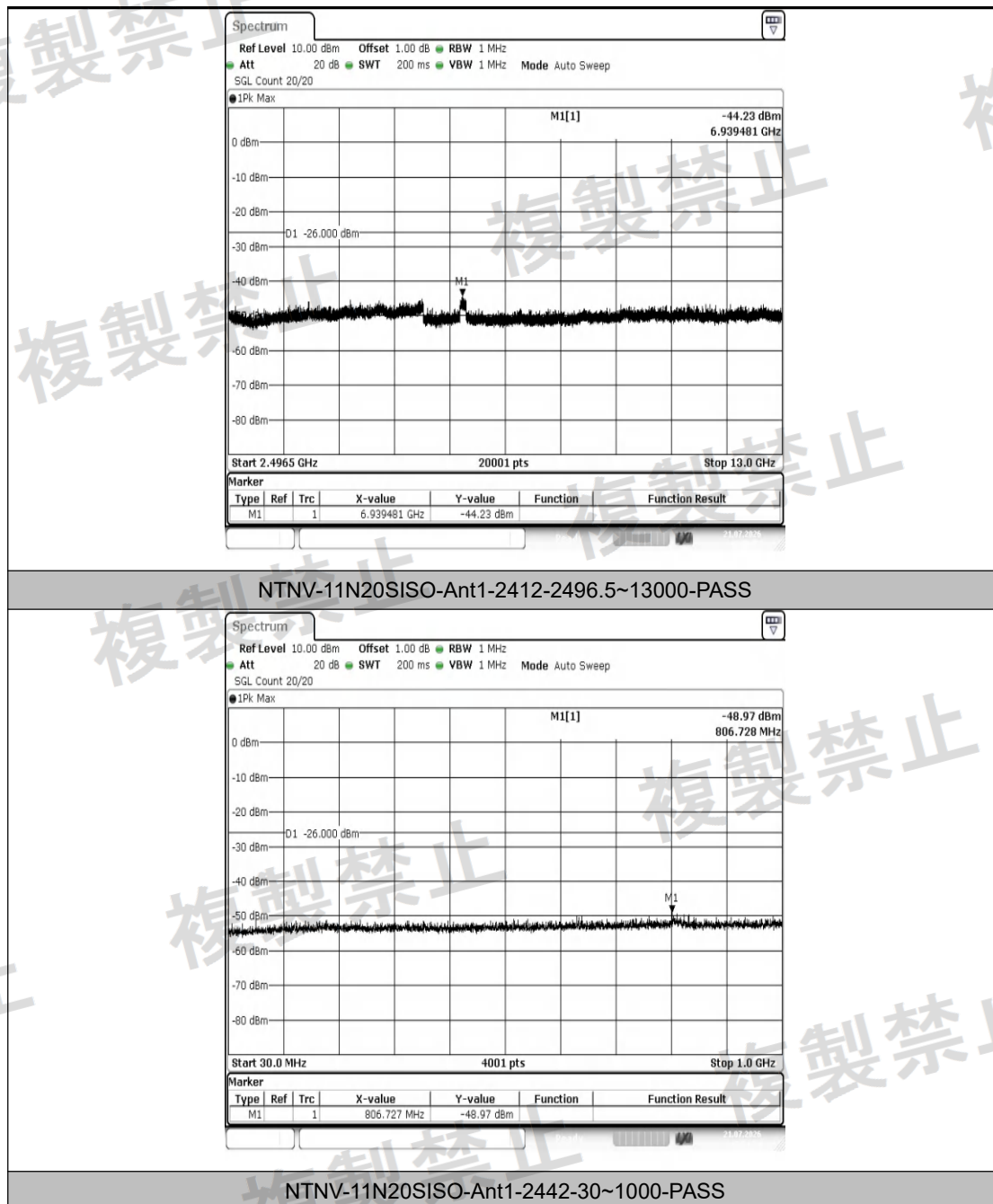


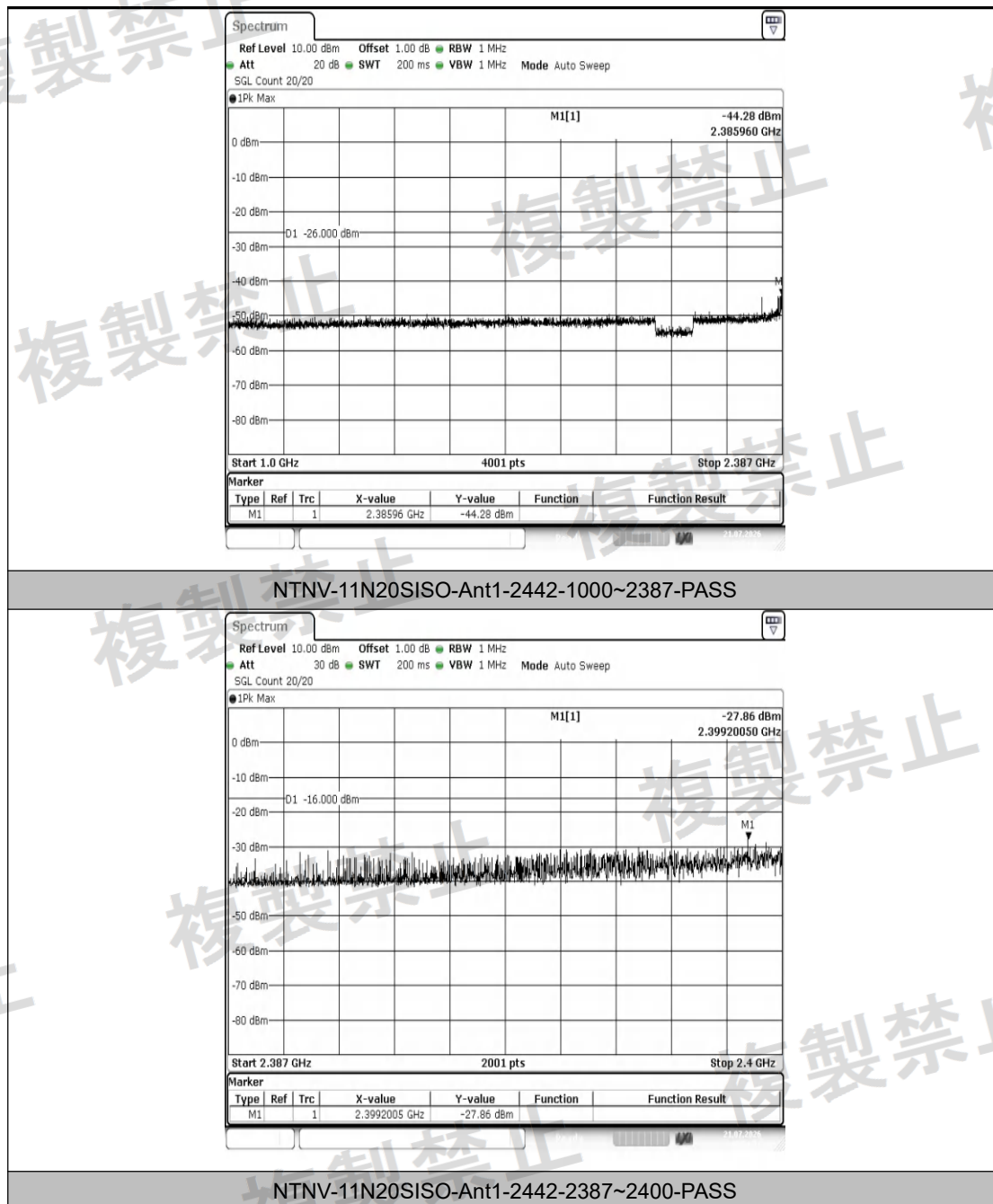
NTNV-11N20SISO-Ant1-2412-2387~2400-See table below

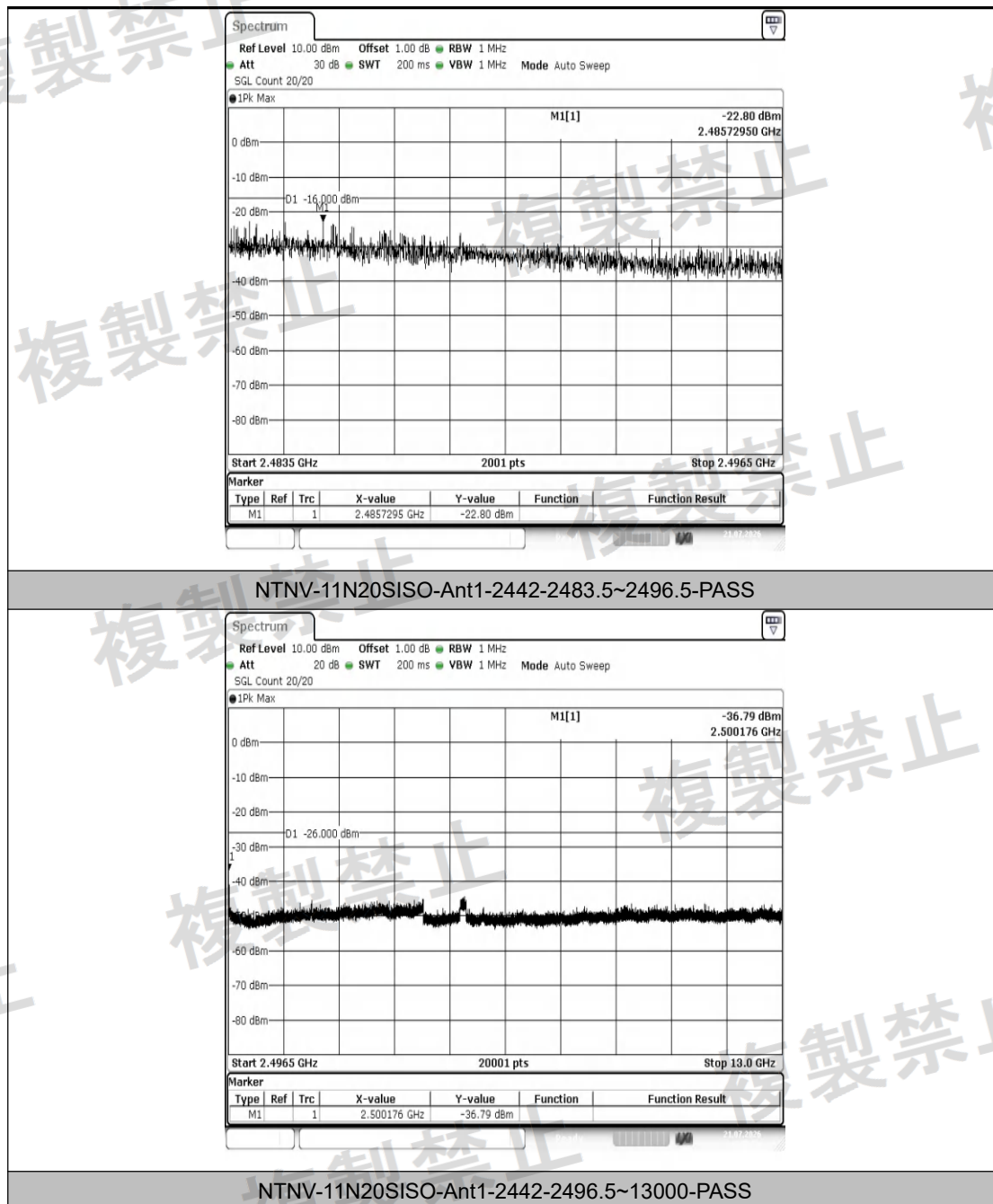


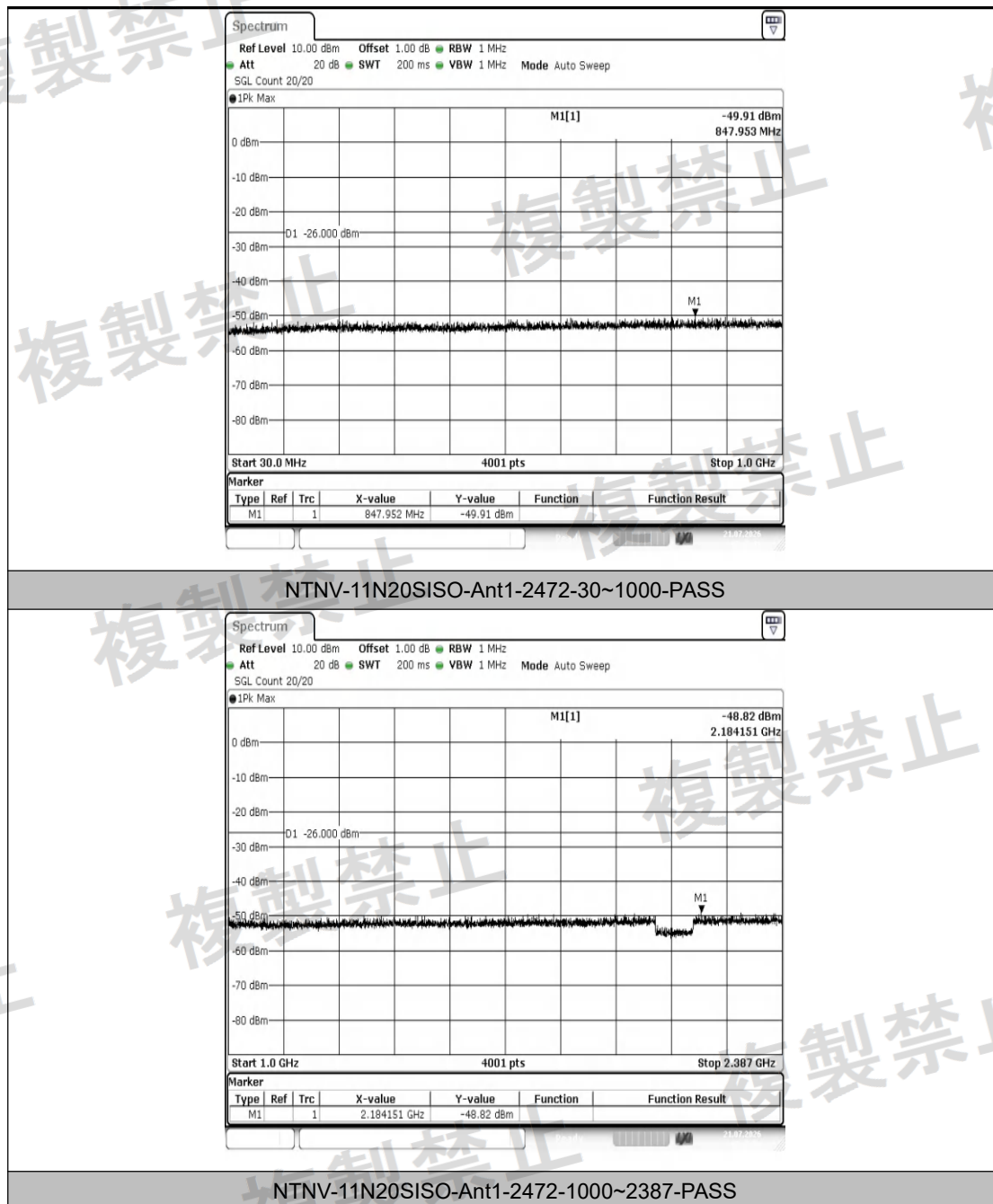
NTNV-11N20SISO-Ant1-2412-2483.5~2496.5-PASS

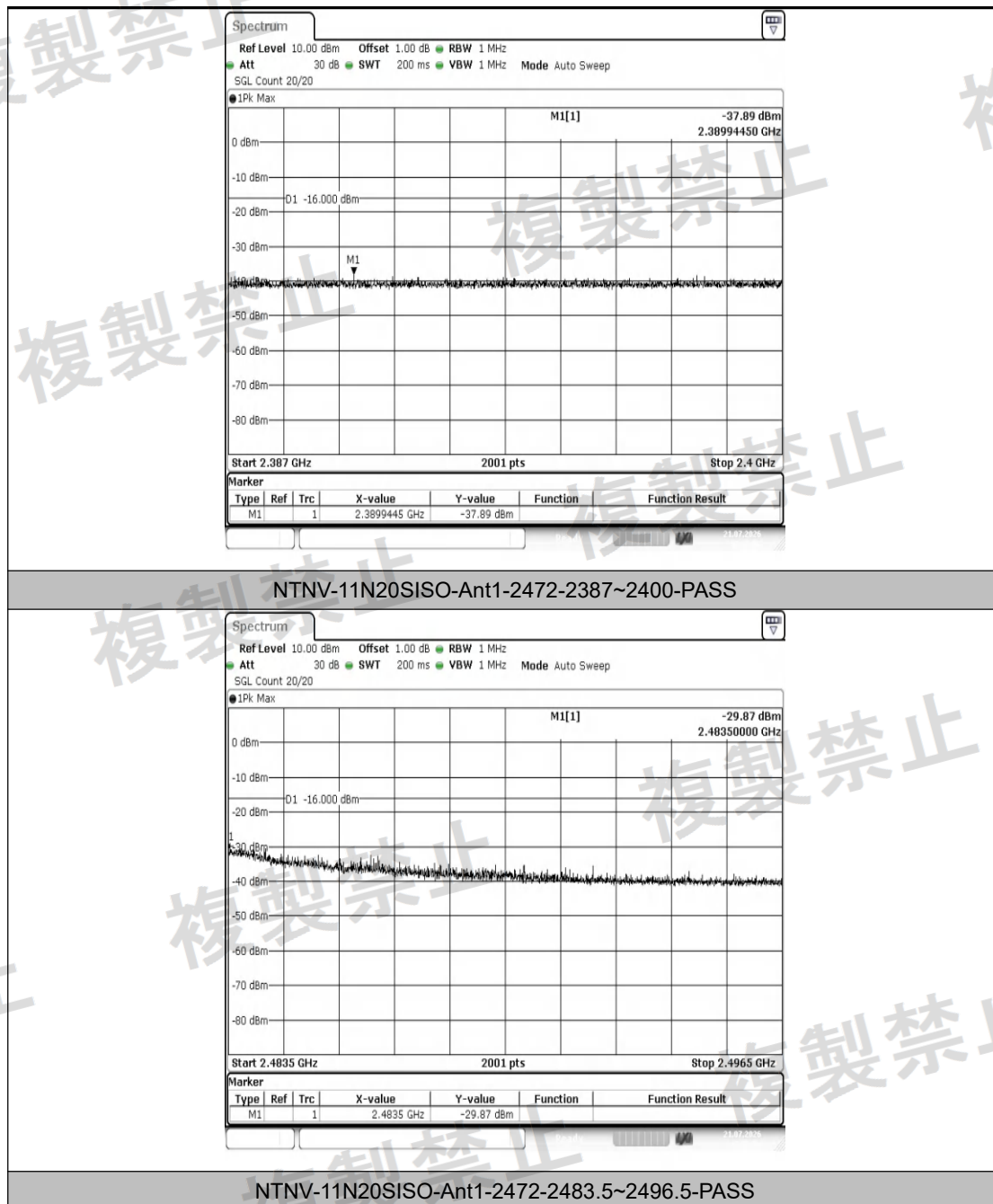


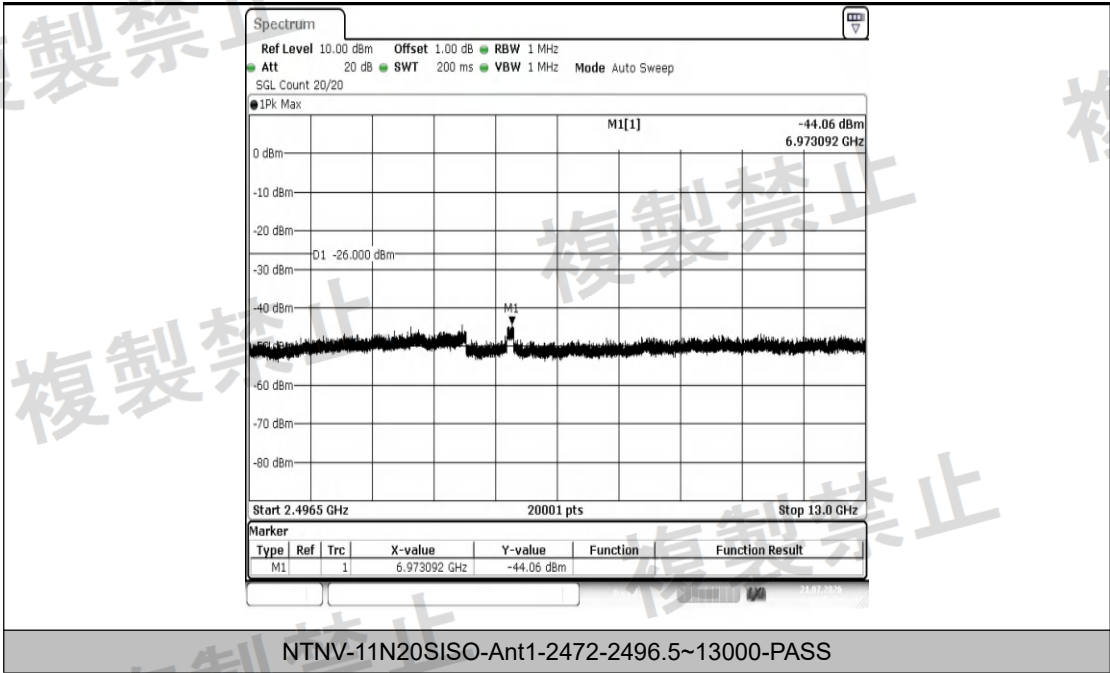




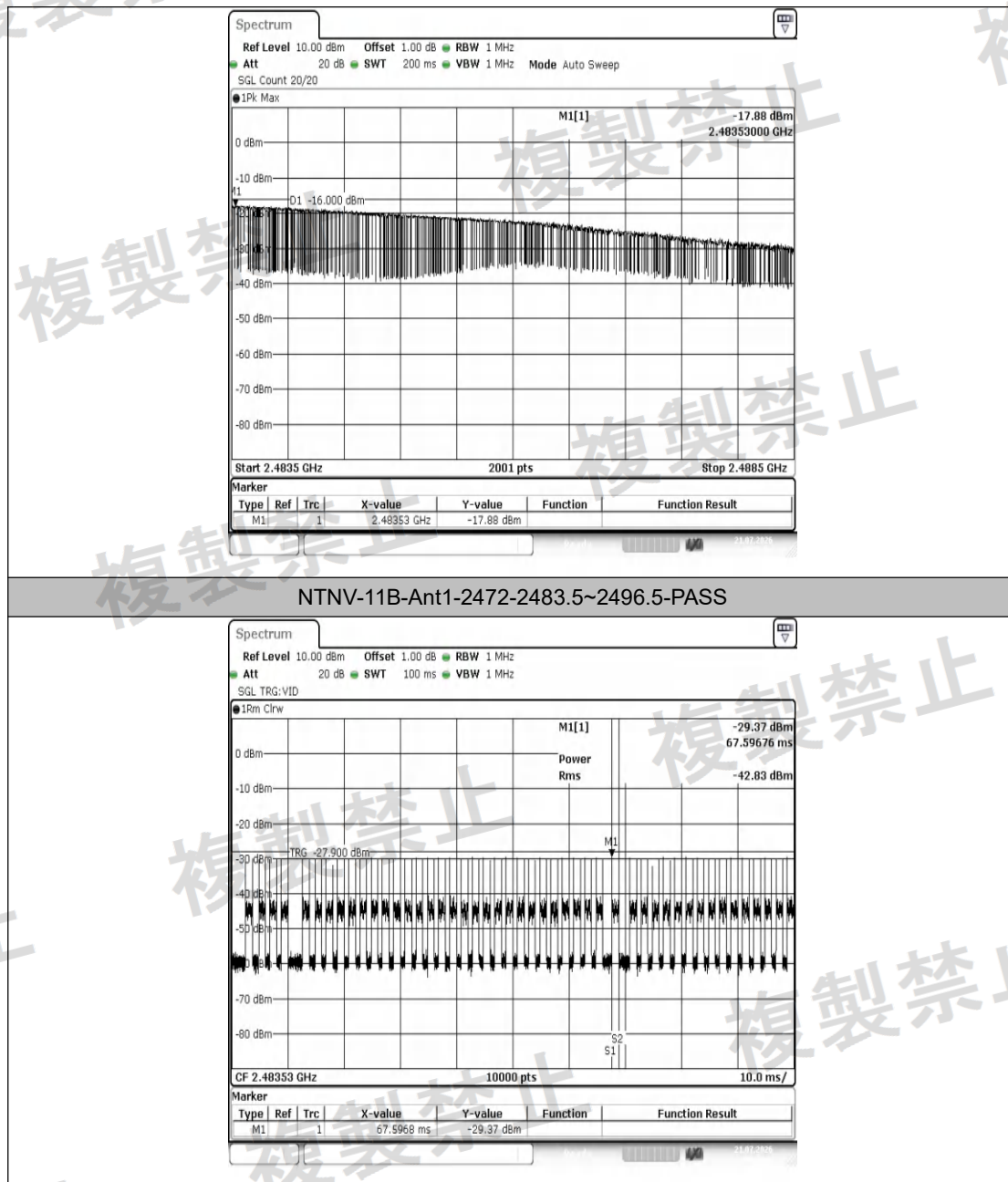








Test Graphs_Step2



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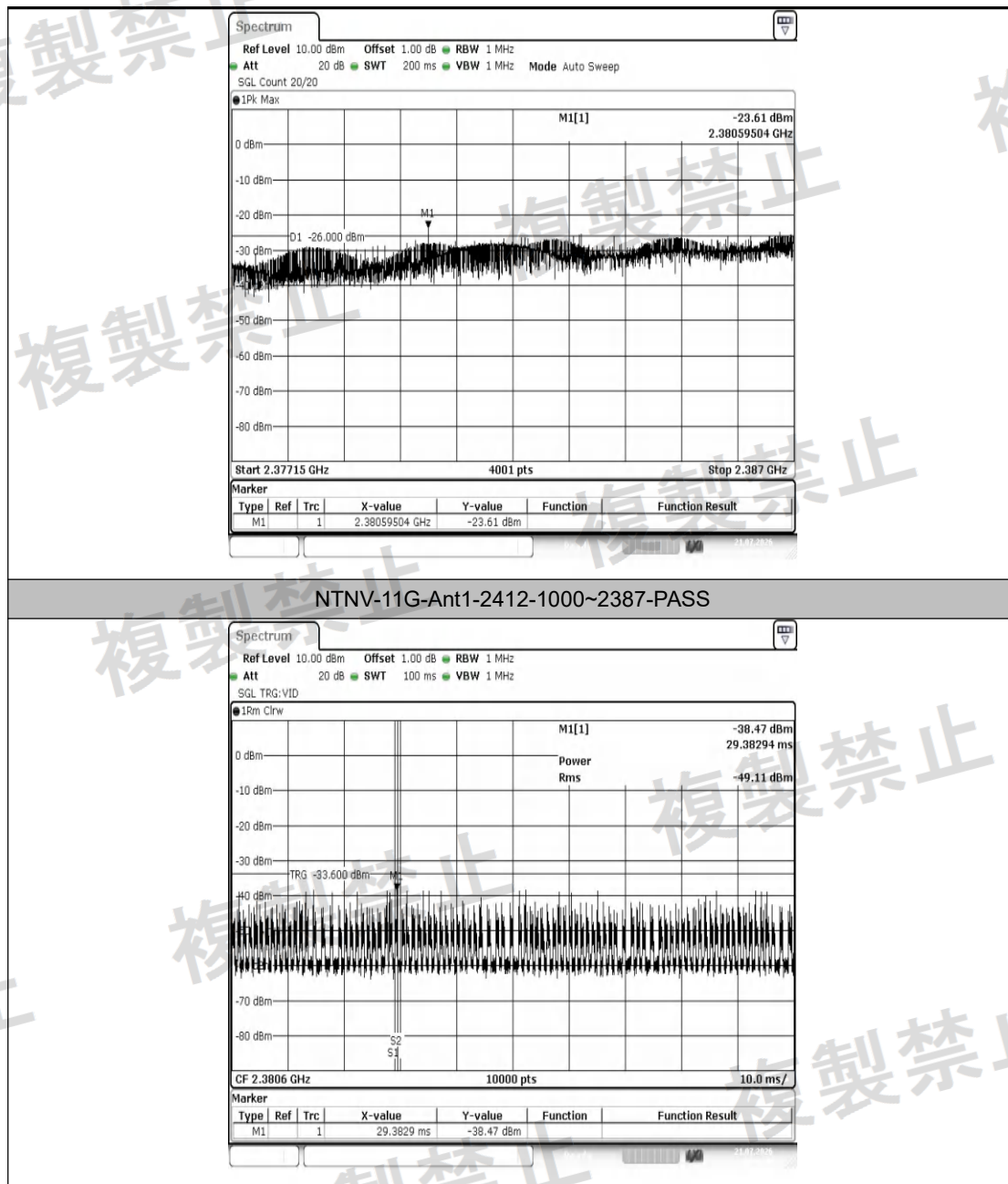


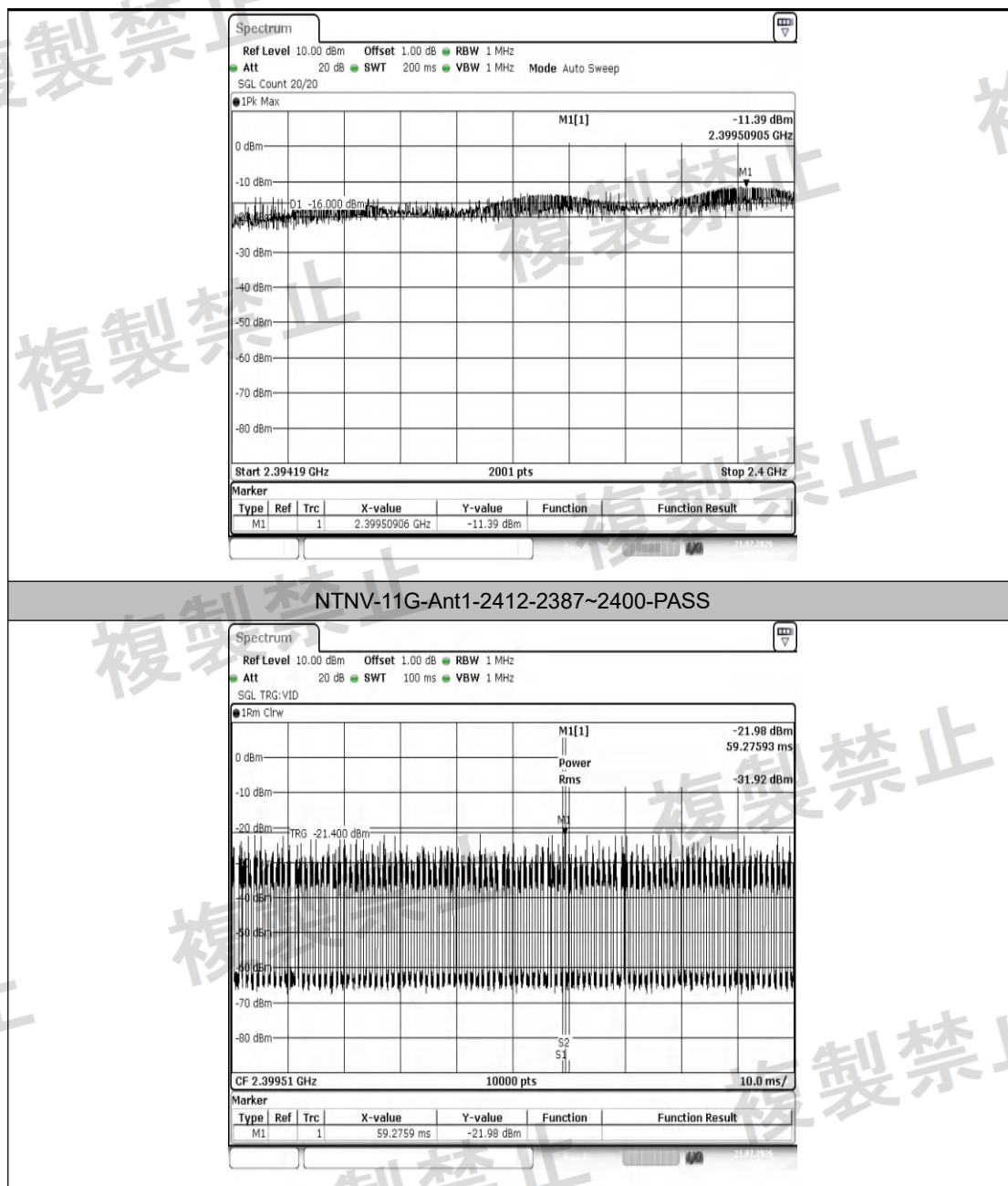
Hotline

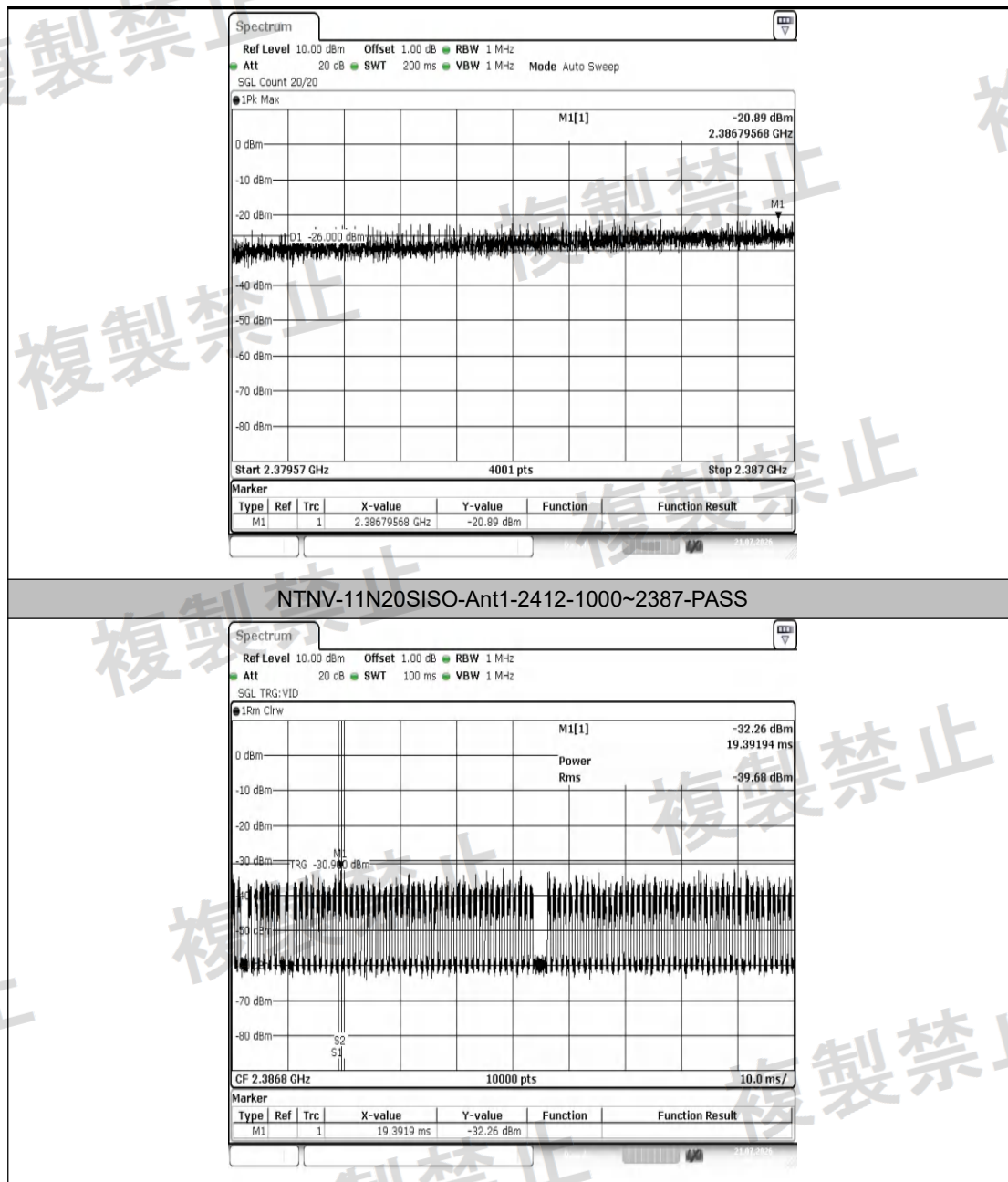
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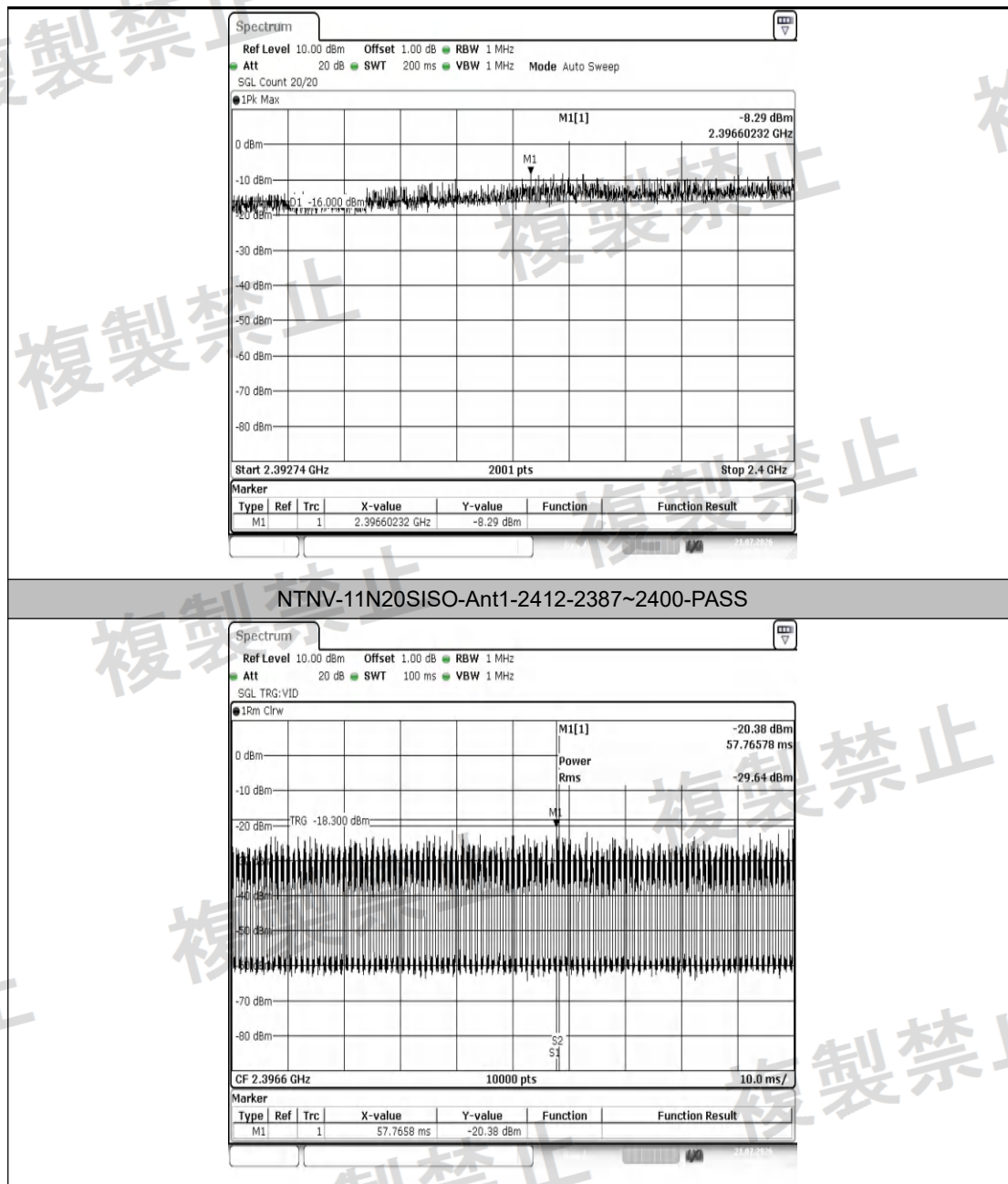
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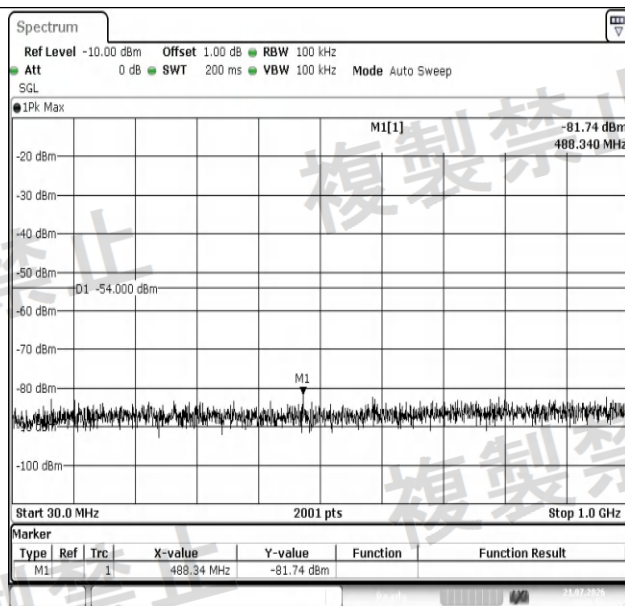
Appendix E: Spurious Emission of RX

Test Result

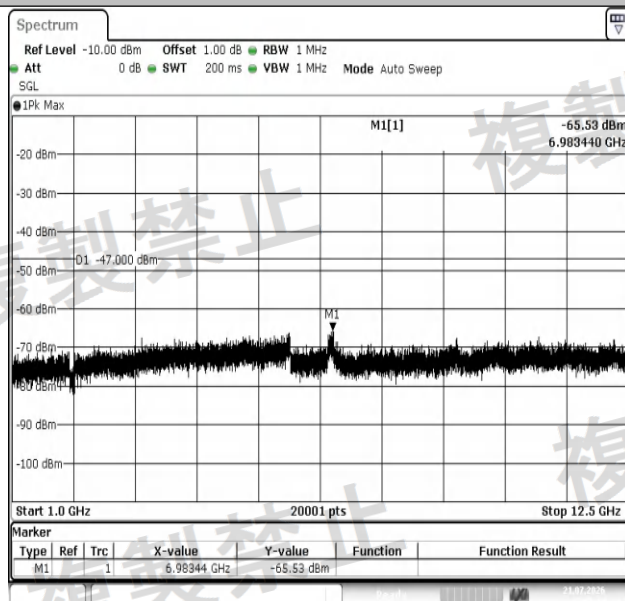
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	488.34	-81.74	≤-54	0.00670	≤4	PASS
NTNV	11B	Ant1	2412	1000~12500	6983.44	-65.53	≤-47	0.27990	≤20	PASS
NTNV	11B	Ant1	2442	30~1000	513.06	-81.67	≤-54	0.00681	≤4	PASS
NTNV	11B	Ant1	2442	1000~12500	6904.09	-65.36	≤-47	0.29107	≤20	PASS
NTNV	11B	Ant1	2472	30~1000	773.38	-81.58	≤-54	0.00695	≤4	PASS
NTNV	11B	Ant1	2472	1000~12500	6171.00	-65.50	≤-47	0.28184	≤20	PASS
NTNV	11G	Ant1	2412	30~1000	847.06	-82.11	≤-54	0.00615	≤4	PASS
NTNV	11G	Ant1	2412	1000~12500	6981.71	-65.93	≤-47	0.25527	≤20	PASS
NTNV	11G	Ant1	2442	30~1000	946.43	-81.49	≤-54	0.00710	≤4	PASS
NTNV	11G	Ant1	2442	1000~12500	6053.71	-65.57	≤-47	0.27733	≤20	PASS
NTNV	11G	Ant1	2472	30~1000	935.28	-81.57	≤-54	0.00697	≤4	PASS
NTNV	11G	Ant1	2472	1000~12500	6928.24	-64.49	≤-47	0.35563	≤20	PASS
NTNV	11N20SI SO	Ant1	2412	30~1000	921.23	-82.42	≤-54	0.00573	≤4	PASS
NTNV	11N20SI SO	Ant1	2412	1000~12500	6901.79	-66.02	≤-47	0.25003	≤20	PASS
NTNV	11N20SI SO	Ant1	2442	30~1000	998.79	-81.99	≤-54	0.00632	≤4	PASS
NTNV	11N20SI SO	Ant1	2442	1000~12500	6913.29	-66.08	≤-47	0.24660	≤20	PASS
NTNV	11N20SI SO	Ant1	2472	30~1000	814.10	-82.61	≤-54	0.00548	≤4	PASS
NTNV	11N20SI SO	Ant1	2472	1000~12500	6925.94	-65.70	≤-47	0.26915	≤20	PASS



Test Graphs

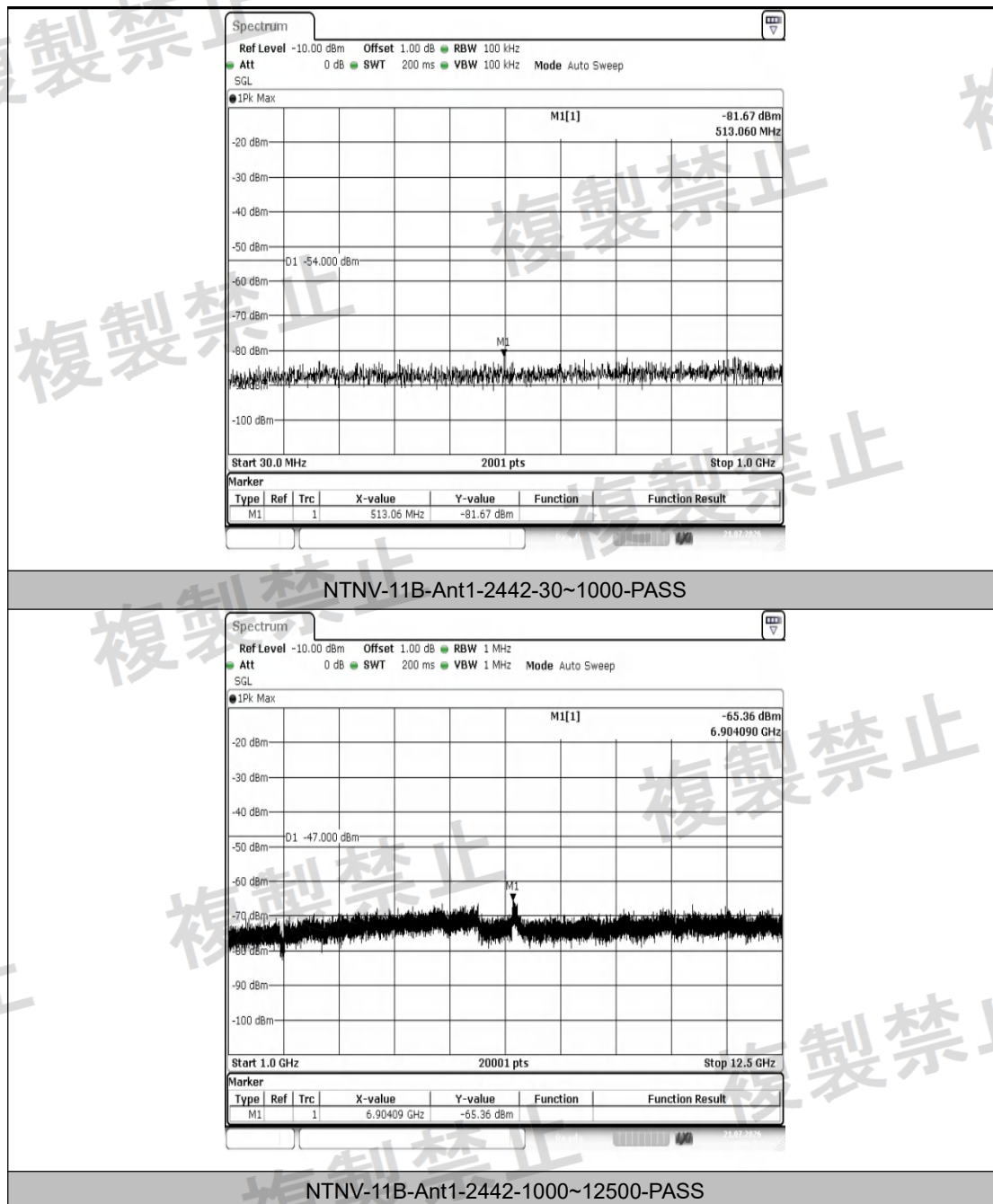


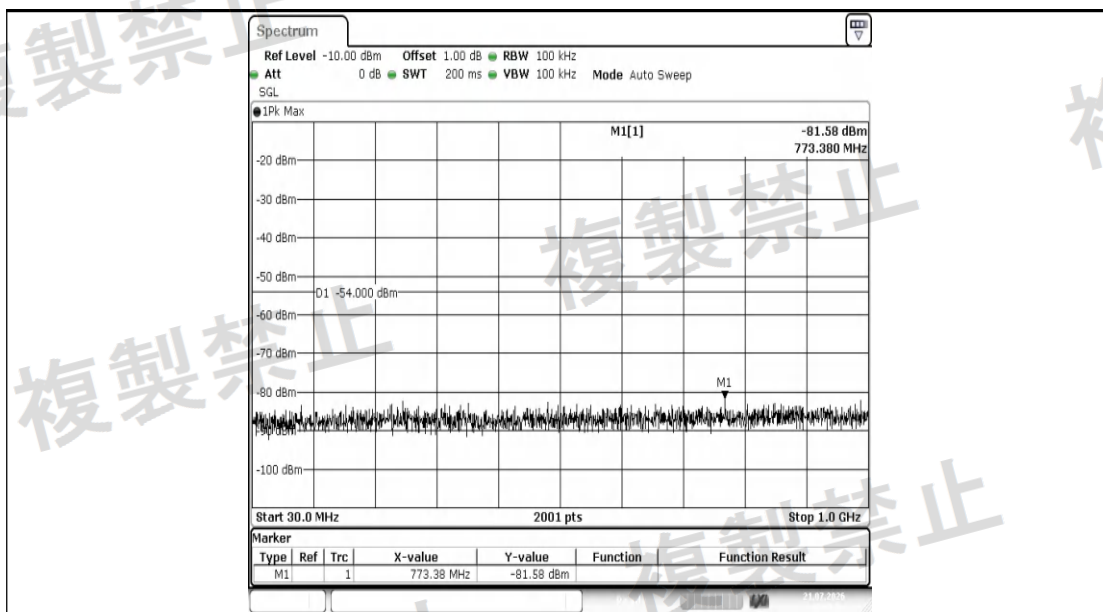
NTNV-11B-Ant1-2412-30~1000-PASS



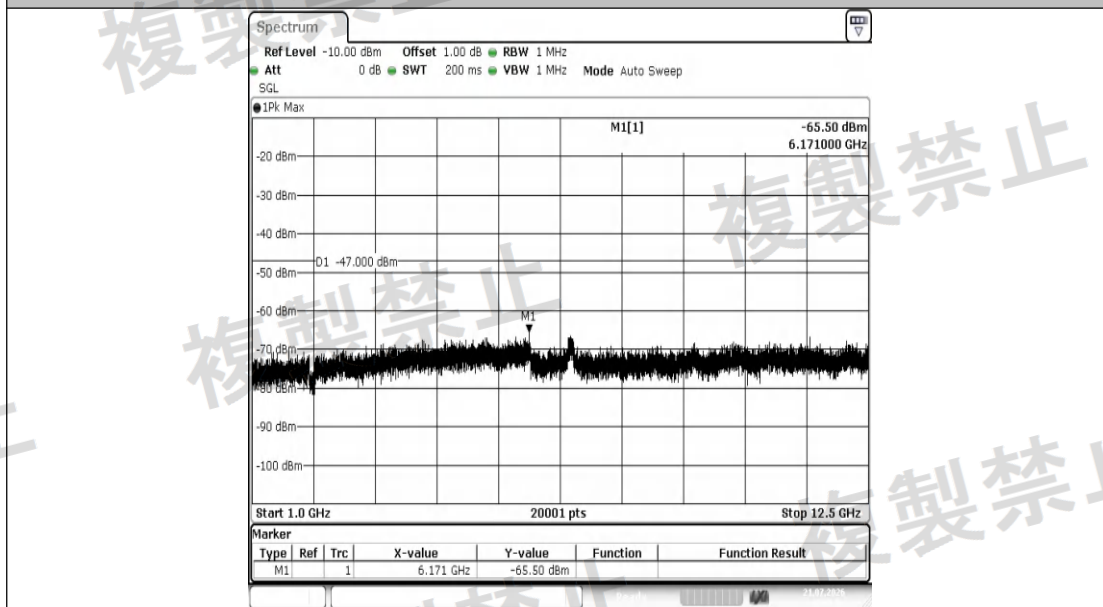
NTNV-11B-Ant1-2412-1000~12500-PASS





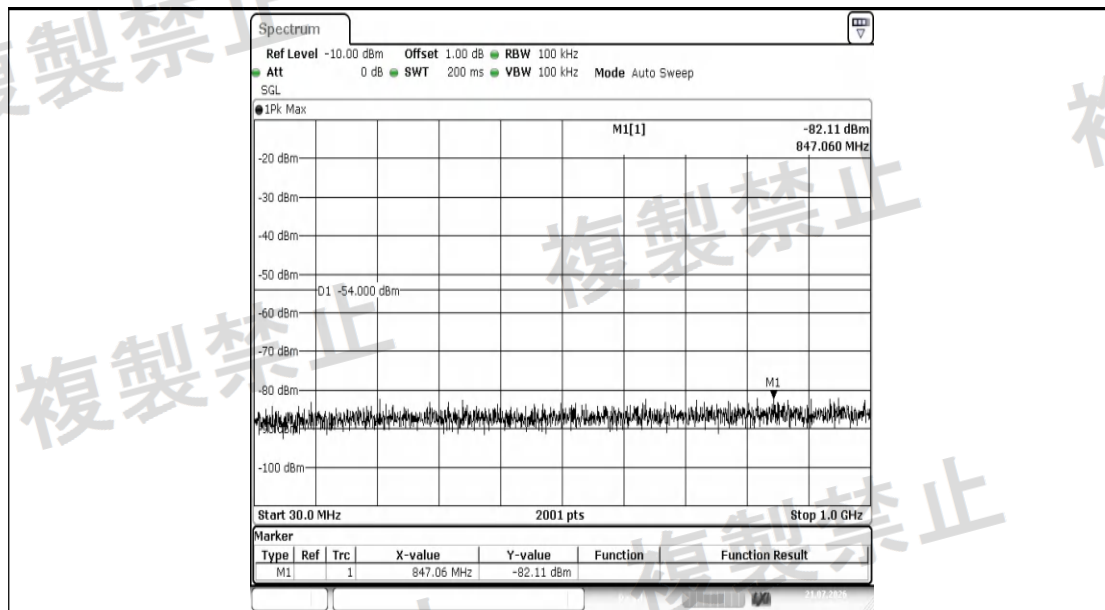


NTNV-11B-Ant1-2472-30~1000-PASS

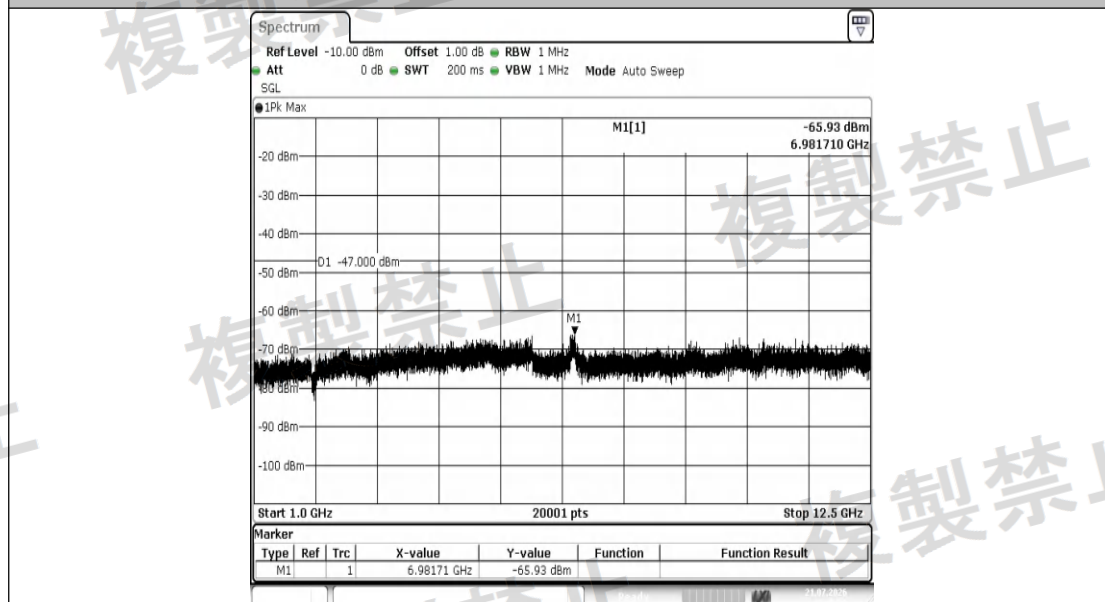


NTNV-11B-Ant1-2472-1000~12500-PASS



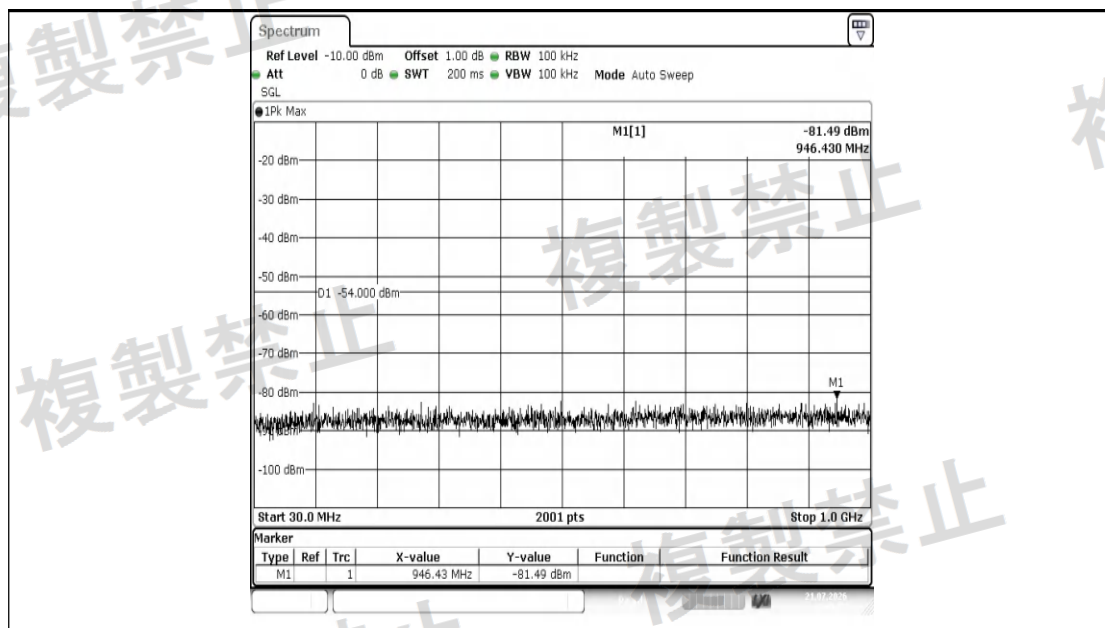


NTNV-11G-Ant1-2412-30~1000-PASS

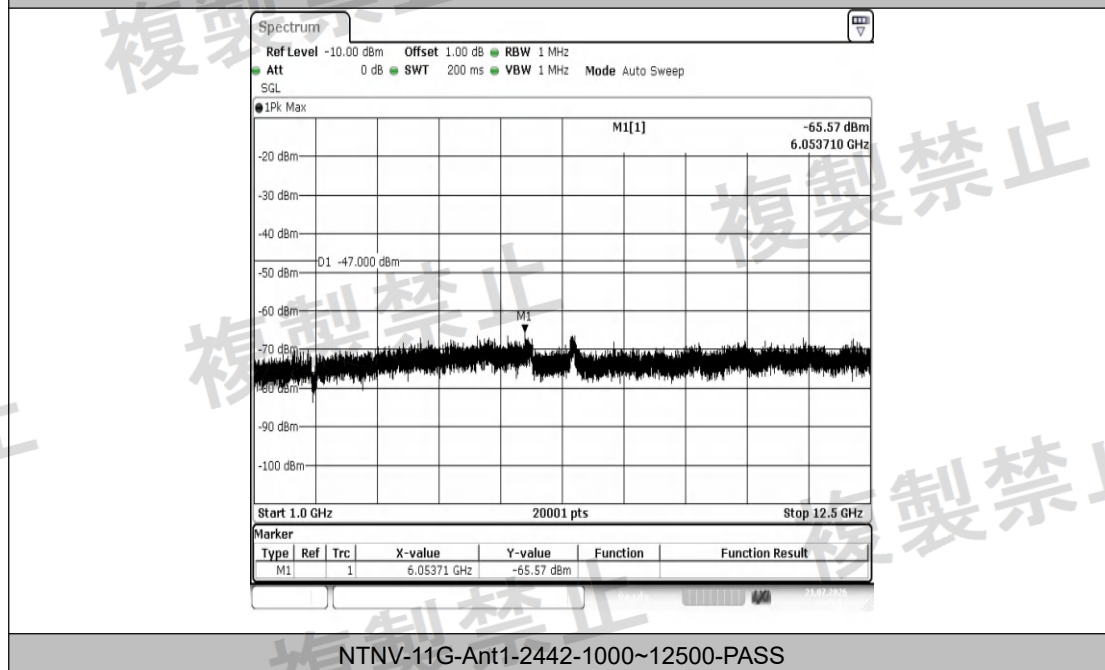


NTNV-11G-Ant1-2412-1000~12500-PASS



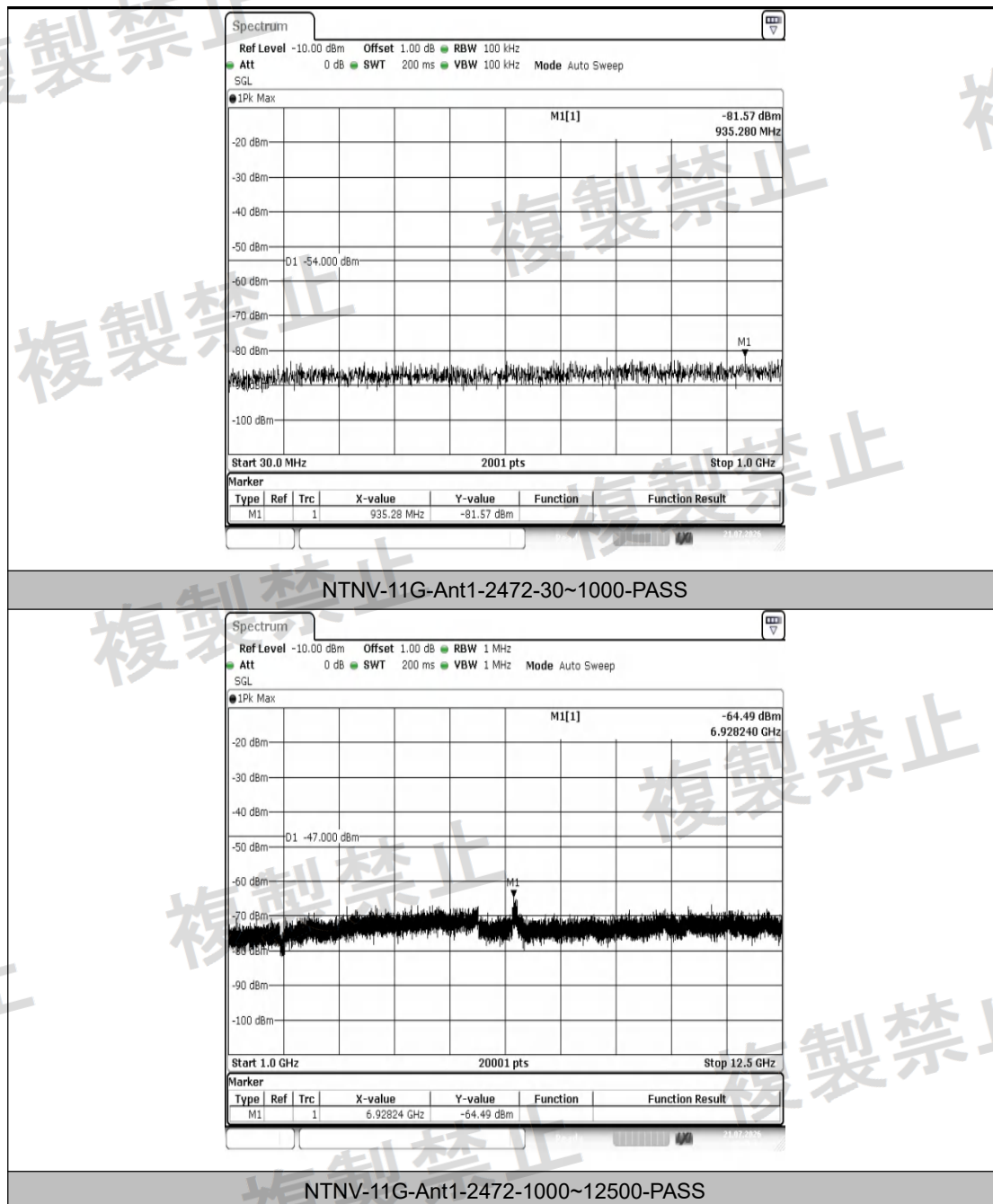


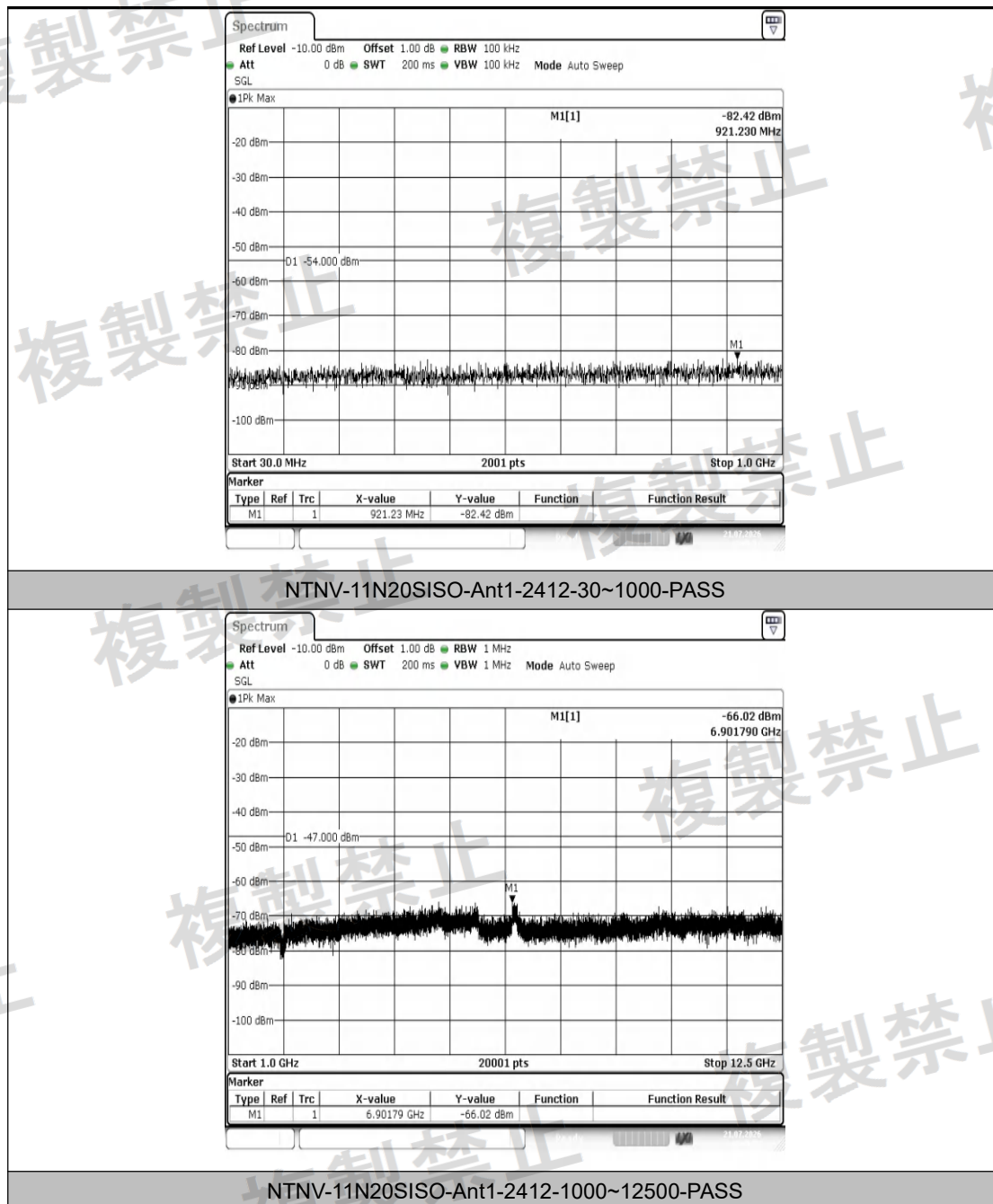
NTNV-11G-Ant1-2442-30~1000-PASS

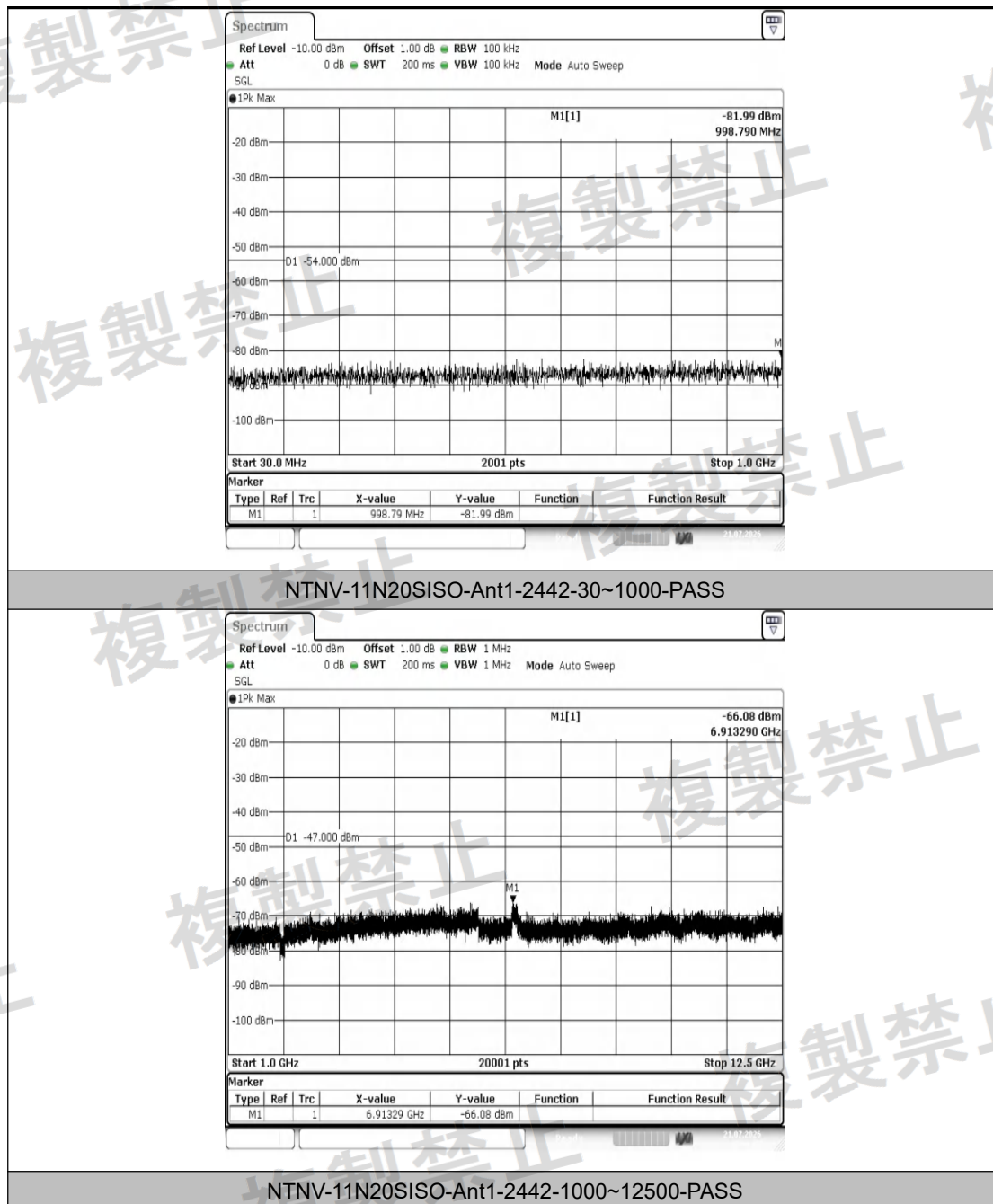


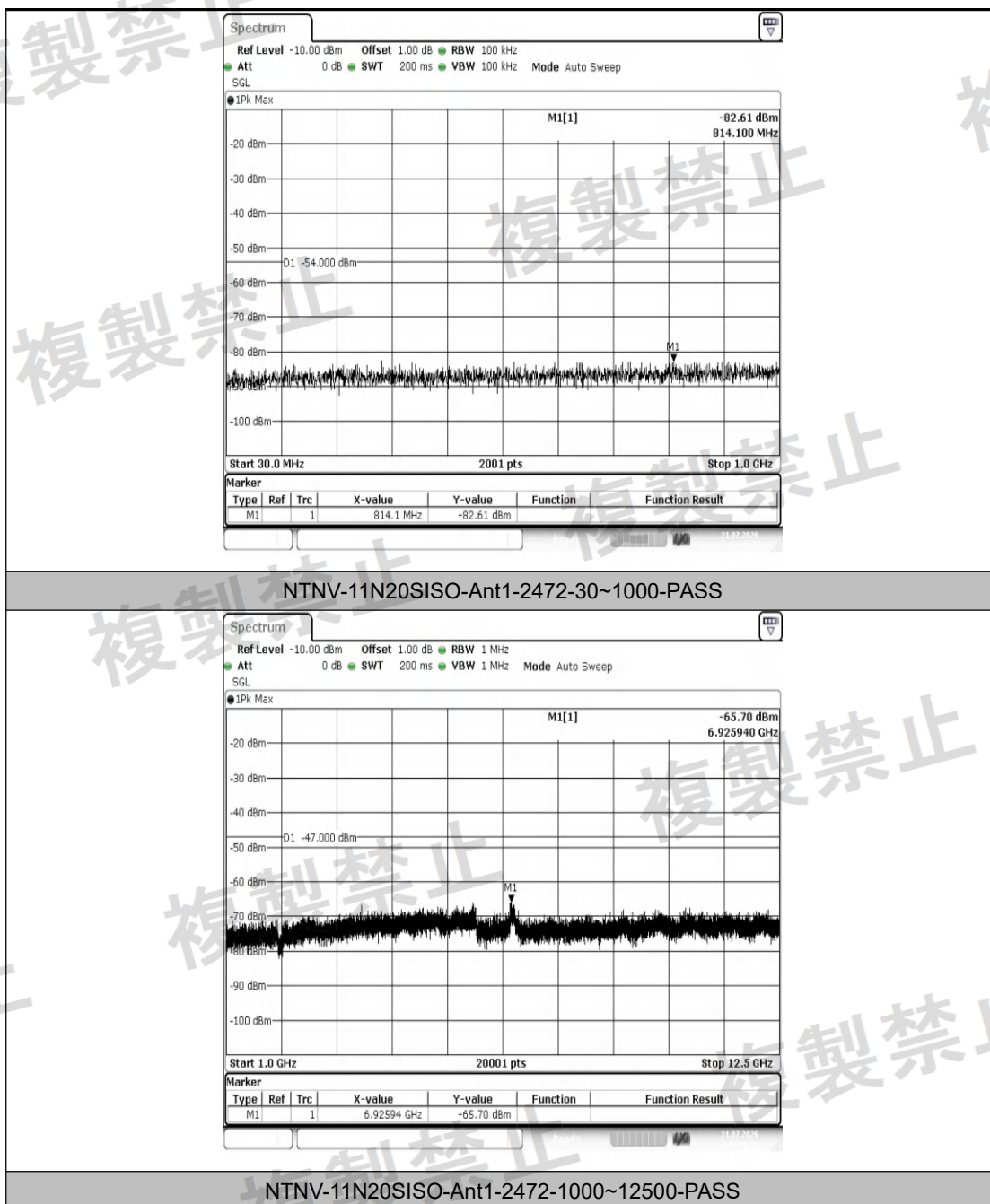
NTNV-11G-Ant1-2442-1000~12500-PASS











---End---

