

Appendix Test Data

Report No.:	1812C60299812501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-6-18	Finish Test Date:	2026-6-23
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	26.4℃	Relative Humidity:	55%
Pressure:	101kPa		

Appendix A: Frequency Error

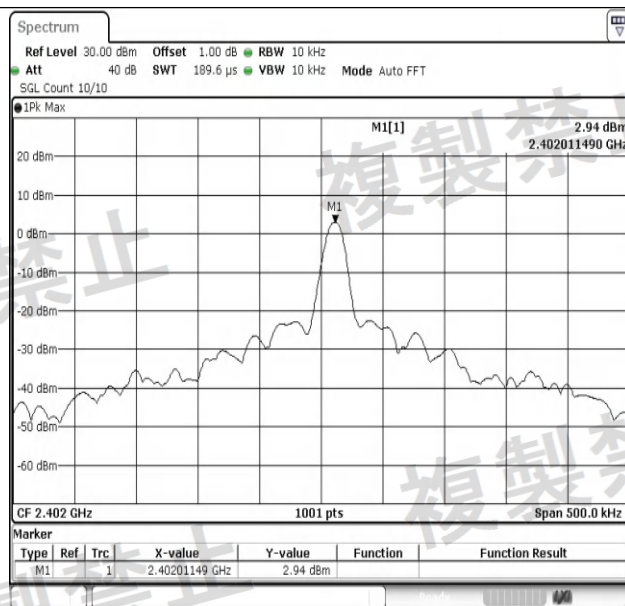
Test Result

Test Condition	Test Mode	Antenna	Freq.[MHz]	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2402.01149	4.78351	±50	PASS
NTNV	CW	Ant1	2440	2440.01149	4.70902	±50	PASS
NTNV	CW	Ant1	2480	2480.01099	4.43145	±50	PASS

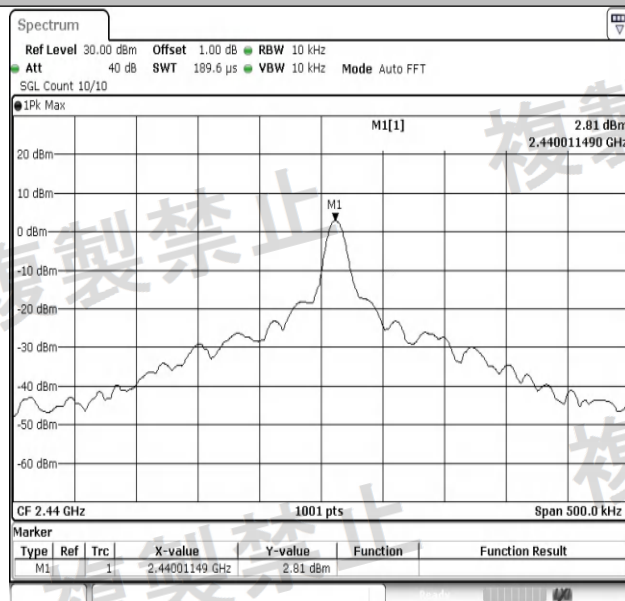
Note: Result[ppm]= (Center Freq[MHz] -Freq.[MHz])/Freq.[MHz]*1000000



Test Graphs

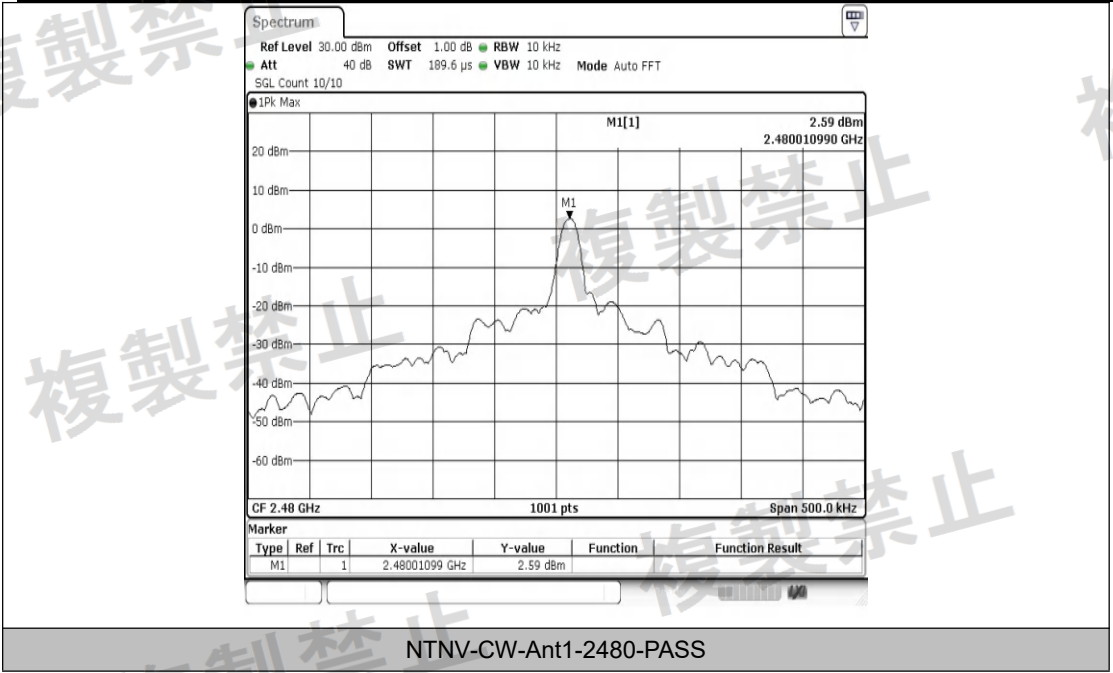


NTNV-CW-Ant1-2402-PASS



NTNV-CW-Ant1-2440-PASS





Appendix B: Antenna Power

Test Result

Test Condition	TestMode	Antenna	Freq. [MHz]	Result[dBm]	Result[mW]	Limit [mW]	Verdict
NTNV	BLE_1M	Ant1	2402	0.03	1.0069	≤10	PASS
NTNV	BLE_1M	Ant1	2440	-0.14	0.9682	≤10	PASS
NTNV	BLE_1M	Ant1	2480	-0.15	0.9660	≤10	PASS
NTNV	BLE_2M	Ant1	2402	0.04	1.0092	≤10	PASS
NTNV	BLE_2M	Ant1	2440	-0.14	0.9682	≤10	PASS
NTNV	BLE_2M	Ant1	2480	-0.15	0.9660	≤10	PASS

Note: Result(mW)= $10^{(\text{Test Result(dBm)}/10)}$

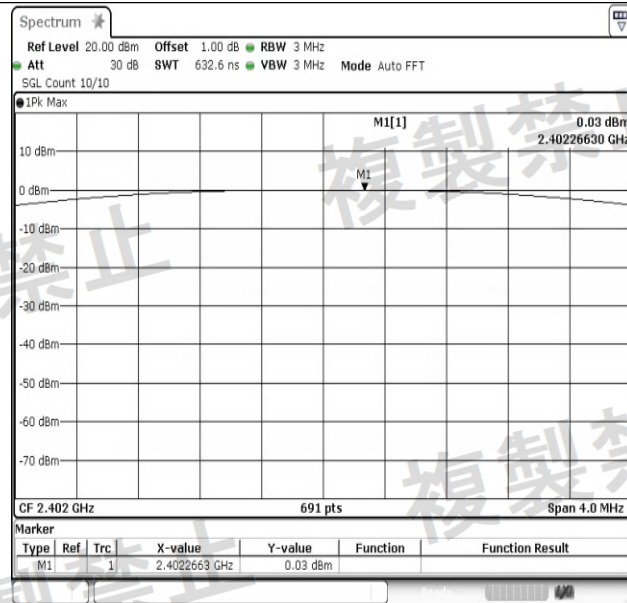
Test Condition	Test Mode	Antenna	Freq. [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit(%)	Verdict
NTNV	BLE_1M	Ant1	2402	1.0069	1	0.69	+20	PASS
NTNV	BLE_1M	Ant1	2440	0.9682	1	-3.18	+20	PASS
NTNV	BLE_1M	Ant1	2480	0.966	1	-3.40	+20	PASS
NTNV	BLE_2M	Ant1	2402	1.0092	1	0.92	+20	PASS
NTNV	BLE_2M	Ant1	2440	0.9682	1	-3.18	+20	PASS
NTNV	BLE_2M	Ant1	2480	0.966	1	-3.40	+20	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Gain[dBi]	EIRP(dBm)	Limit(dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	0.03	-3.15	-3.12	≤12.14	PASS
NTNV	BLE_1M	Ant1	2440	-0.14	-3.15	-3.29	≤12.14	PASS
NTNV	BLE_1M	Ant1	2480	-0.15	-3.15	-3.30	≤12.14	PASS
NTNV	BLE_2M	Ant1	2402	0.04	-3.15	-3.11	≤12.14	PASS
NTNV	BLE_2M	Ant1	2440	-0.14	-3.15	-3.29	≤12.14	PASS
NTNV	BLE_2M	Ant1	2480	-0.15	-3.15	-3.30	≤12.14	PASS

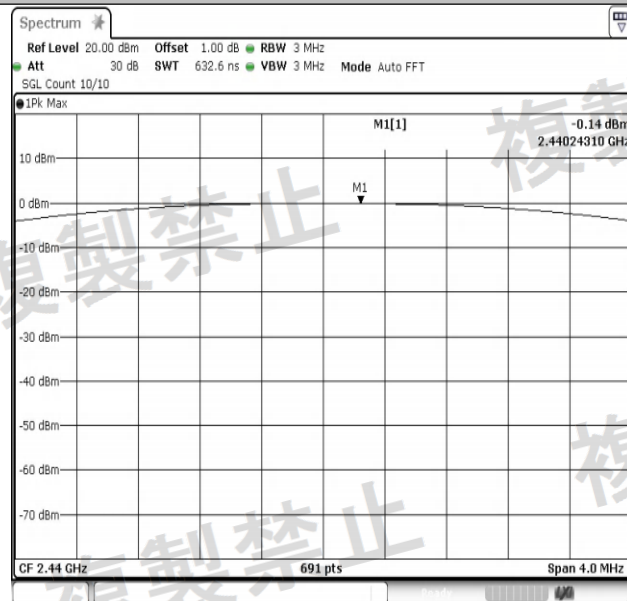
Note: EIRP[dBm]=Result[dBm]+Gain(dBi)



Test Graphs

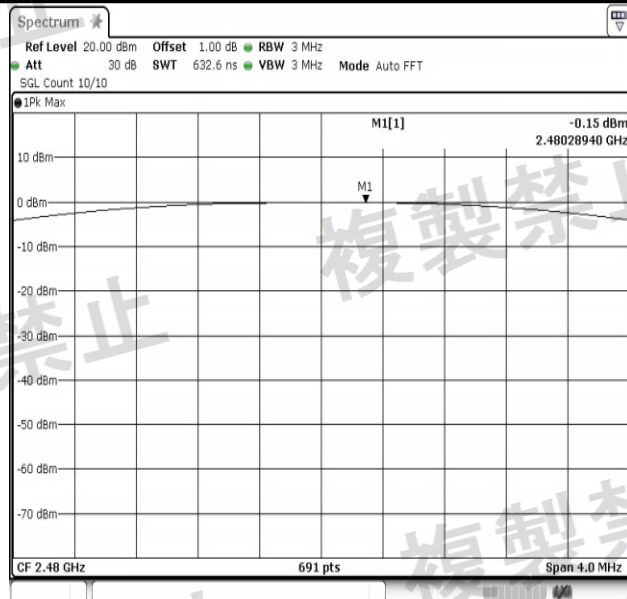


NTNV-BLE_1M-Ant1-2402-PASS

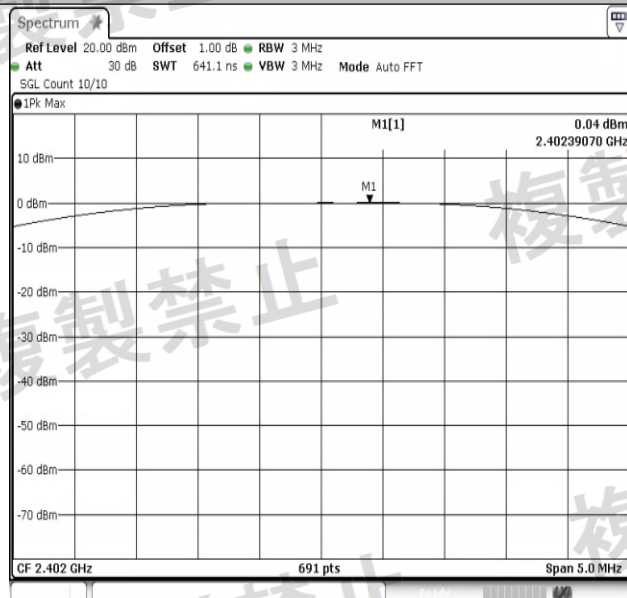


NTNV-BLE_1M-Ant1-2440-PASS



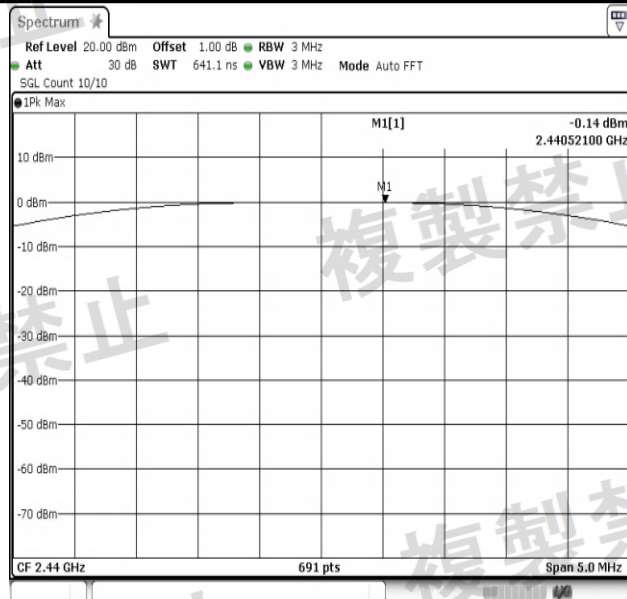


NTN-BLE_1M-Ant1-2480-PASS

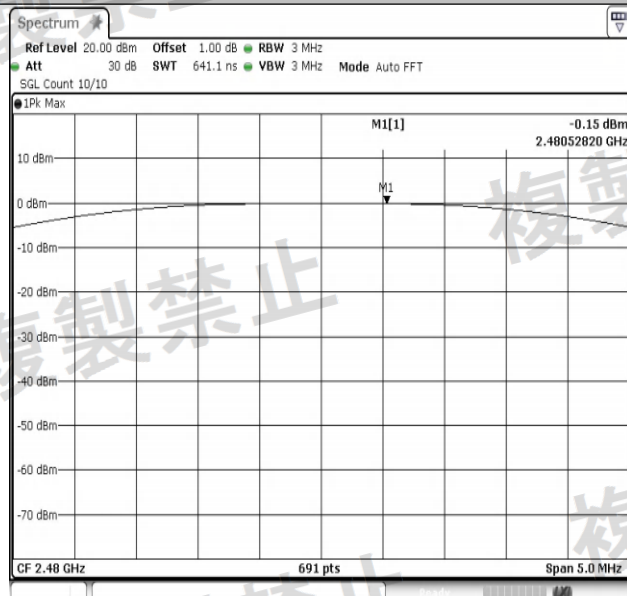


NTN-BLE_2M-Ant1-2402-PASS





NTNV-BLE_2M-Ant1-2440-PASS



NTNV-BLE_2M-Ant1-2480-PASS



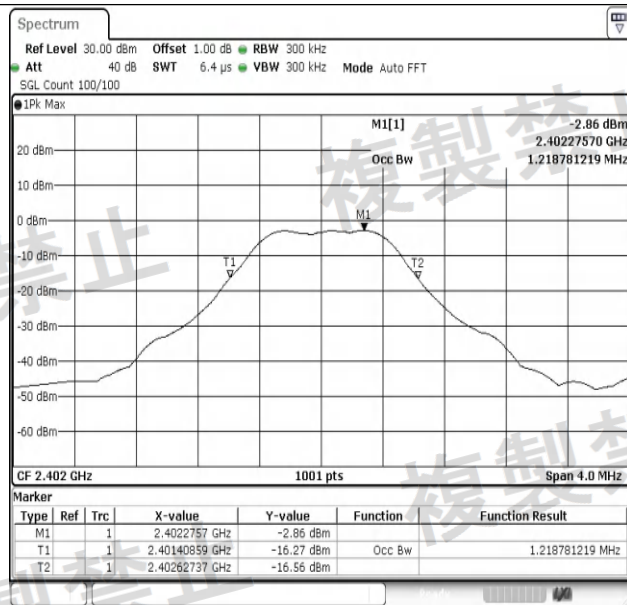
Appendix C: Occupied Bandwidth

Test Result

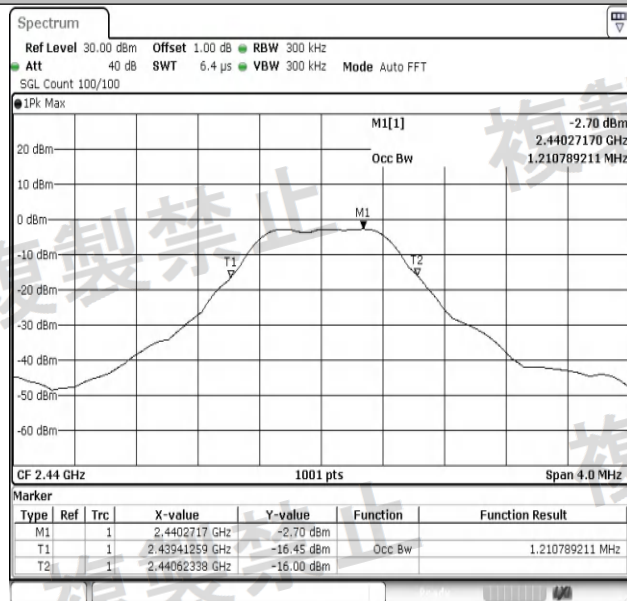
Test Condition	TestMode	Antenna	Freq.[MHz]	Result[MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.219	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.211	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.203	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.074	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.106	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.118	≤26	PASS



Test Graphs

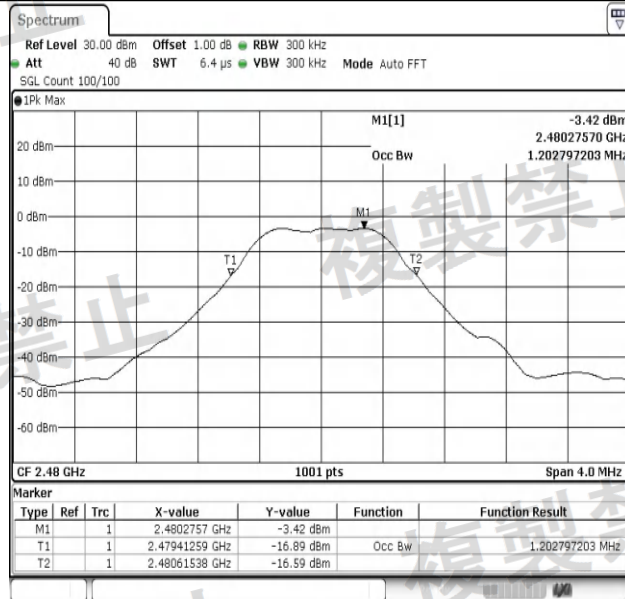


NTNV-BLE_1M-Ant1-2402-PASS

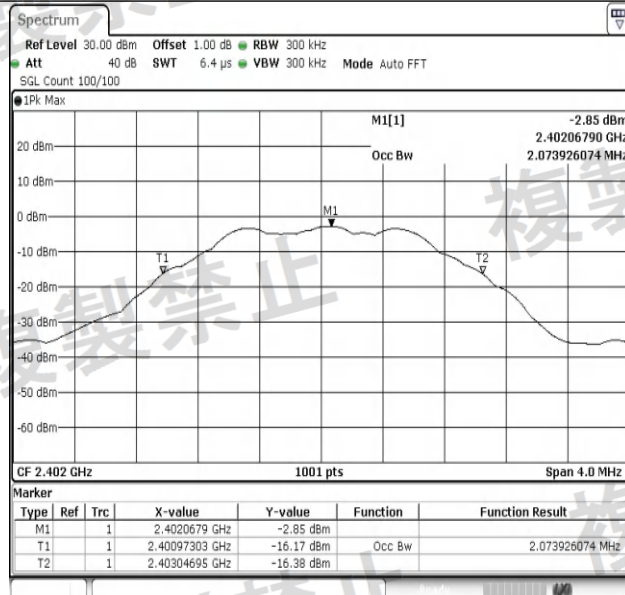


NTNV-BLE_1M-Ant1-2440-PASS



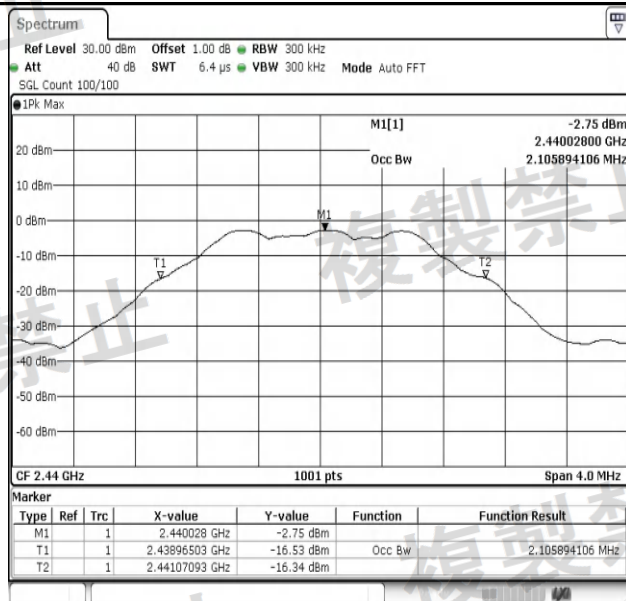


NTNV-BLE_1M-Ant1-2480-PASS

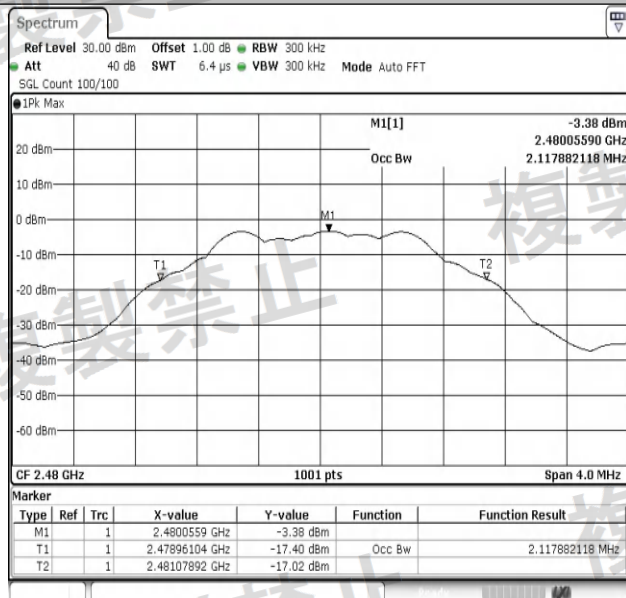


NTNV-BLE_2M-Ant1-2402-PASS





NTNV-BLE_2M-Ant1-2440-PASS



NTNV-BLE_2M-Ant1-2480-PASS



Appendix D: Spurious Emission of TX

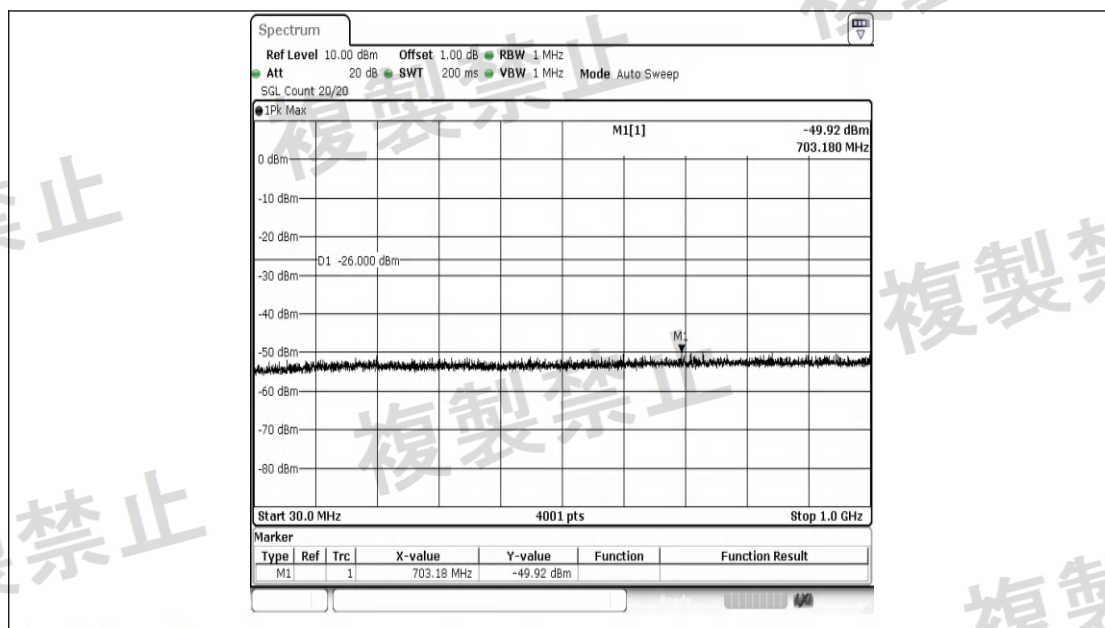
Test Result

Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	703.18	-49.92	≤-26	0.01019	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2221.25	-48.66	≤-26	0.01361	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2400.00	-29.18	≤-16	1.20781	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2495.51	-37.98	≤-16	0.15922	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	6973.62	-44.51	≤-26	0.03540	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	943.74	-49.57	≤-26	0.01104	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	1434.82	-49.20	≤-26	0.01202	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2392.69	-37.51	≤-16	0.17742	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2488.91	-37.71	≤-16	0.16943	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	6995.15	-44.02	≤-26	0.03963	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	875.36	-49.29	≤-26	0.01178	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	1695.93	-48.45	≤-26	0.01429	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2395.72	-38.69	≤-16	0.13521	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2494.63	-38.07	≤-16	0.15596	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	5173.32	-40.54	≤-26	0.08831	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	829.28	-49.55	≤-26	0.01109	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	1894.27	-48.33	≤-26	0.01469	≤2.5	PASS



NTNV	BLE_2M	Ant1	2402	2387~2400	2399.97	-22.48	≤-16	5.64937	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2486.52	-38.20	≤-16	0.15136	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~13000	6176.93	-44.63	≤-26	0.03443	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	803.82	-49.80	≤-26	0.01047	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	1845.72	-48.37	≤-26	0.01455	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2396.20	-38.48	≤-16	0.14191	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2487.60	-37.61	≤-16	0.17338	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	6958.91	-43.94	≤-26	0.04036	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	908.09	-49.93	≤-26	0.01016	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	1617.91	-48.86	≤-26	0.01300	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2396.37	-38.63	≤-16	0.13709	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2493.69	-38.01	≤-16	0.15812	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~13000	6961.01	-44.16	≤-26	0.03837	≤2.5	PASS

Test Graphs



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Tel: (86) 0755-26066440 Email: service@anbotek.com



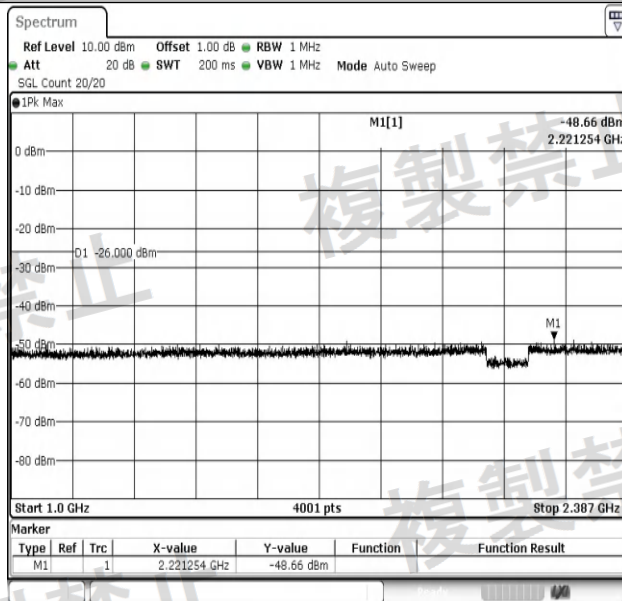
Hotline

400-003-0500

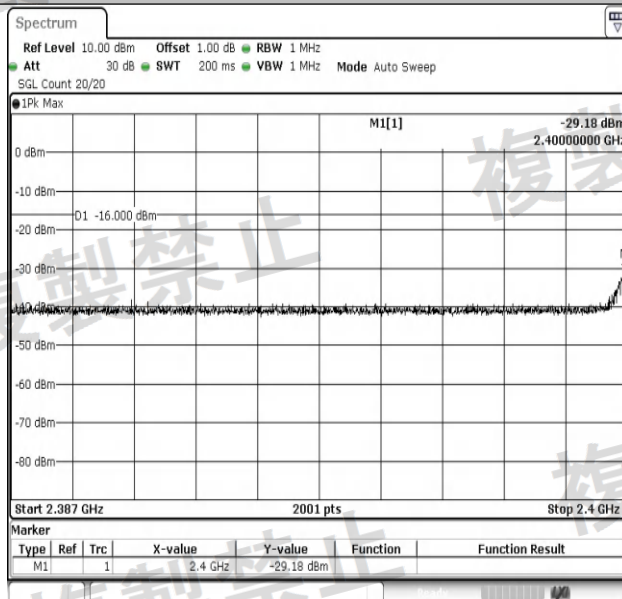
www.anbotek.com



NTNV-BLE_1M-Ant1-2402-30~1000-PASS

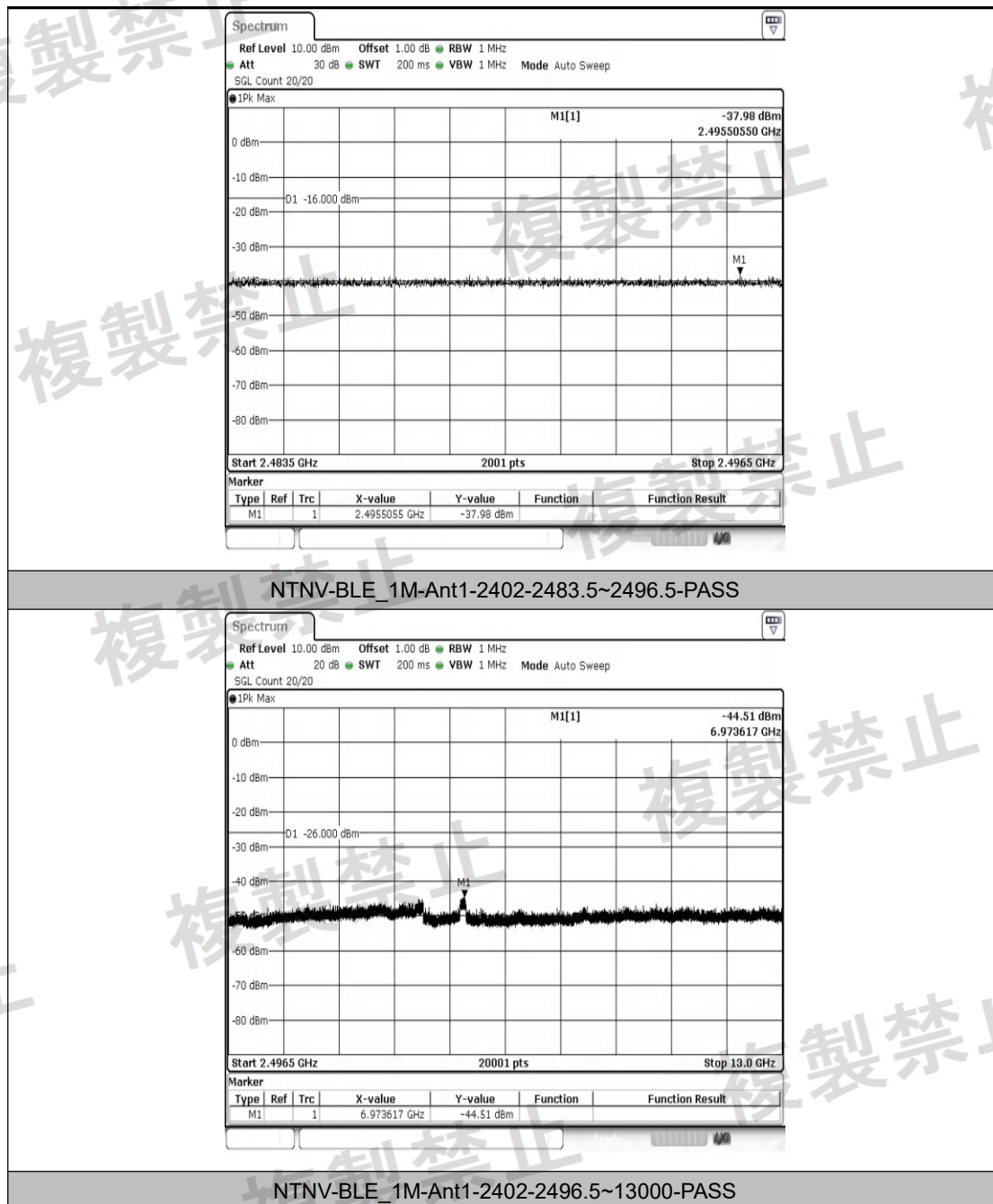


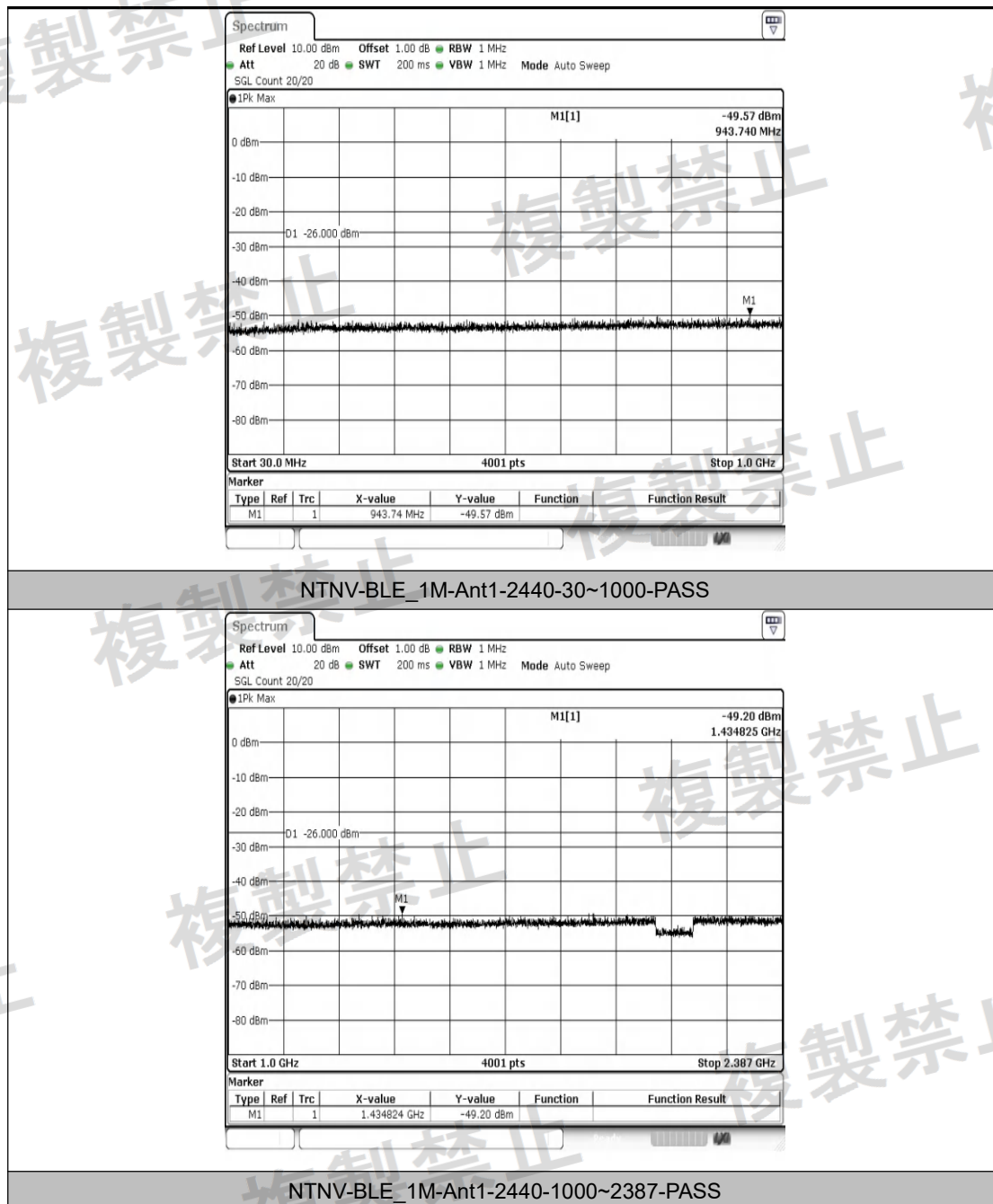
NTNV-BLE_1M-Ant1-2402-1000~2387-PASS

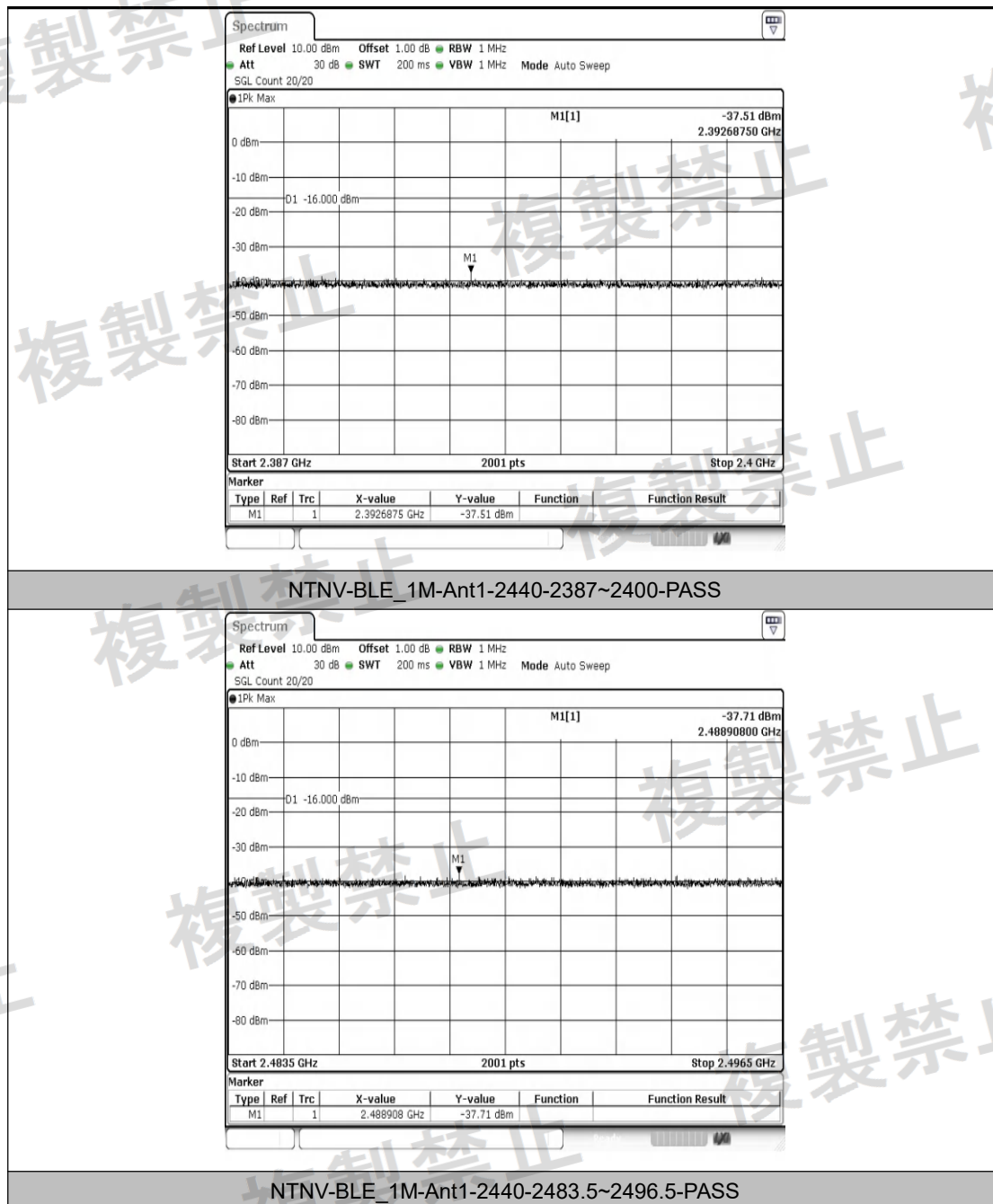


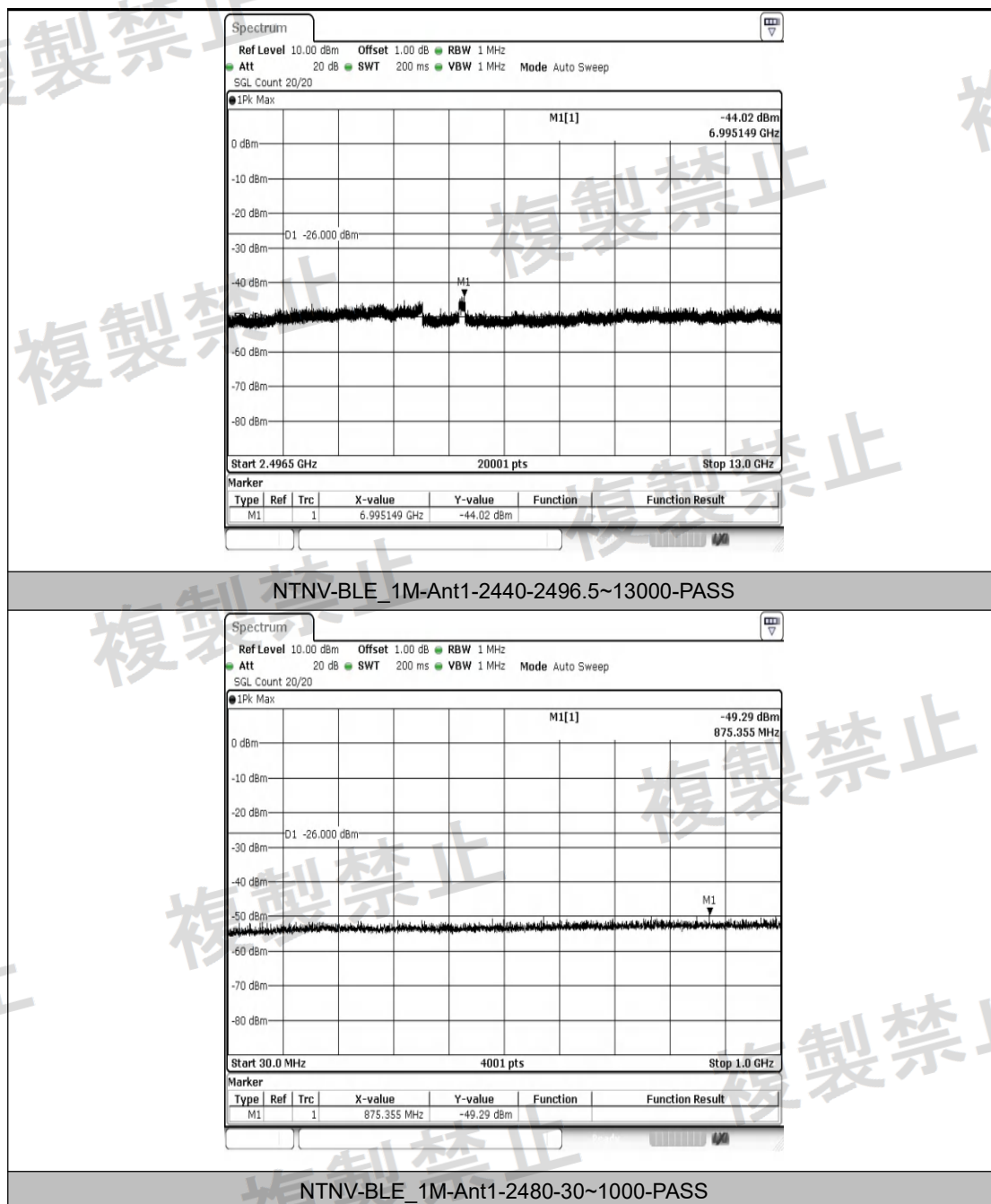
NTNV-BLE_1M-Ant1-2402-2387~2400-PASS

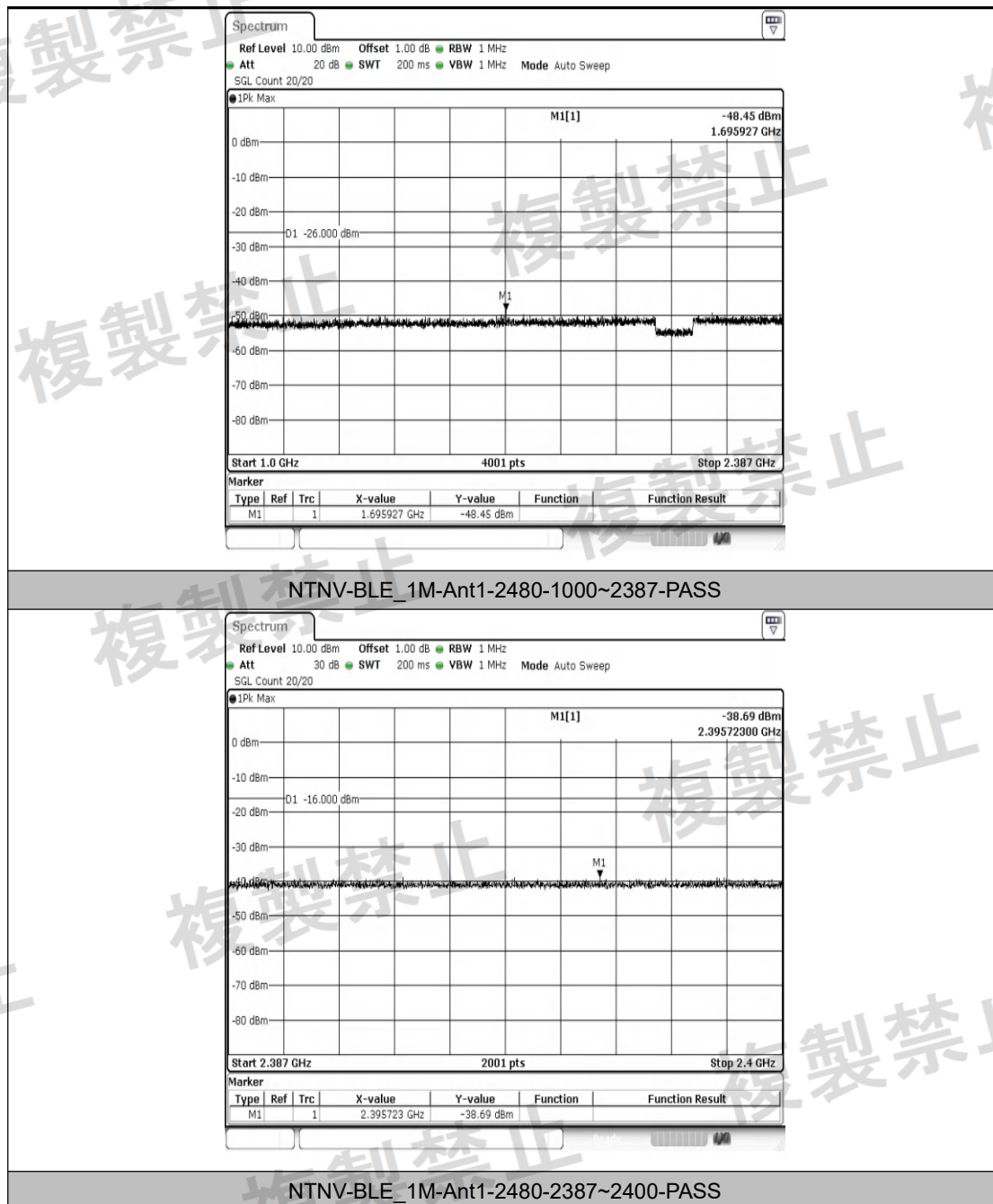


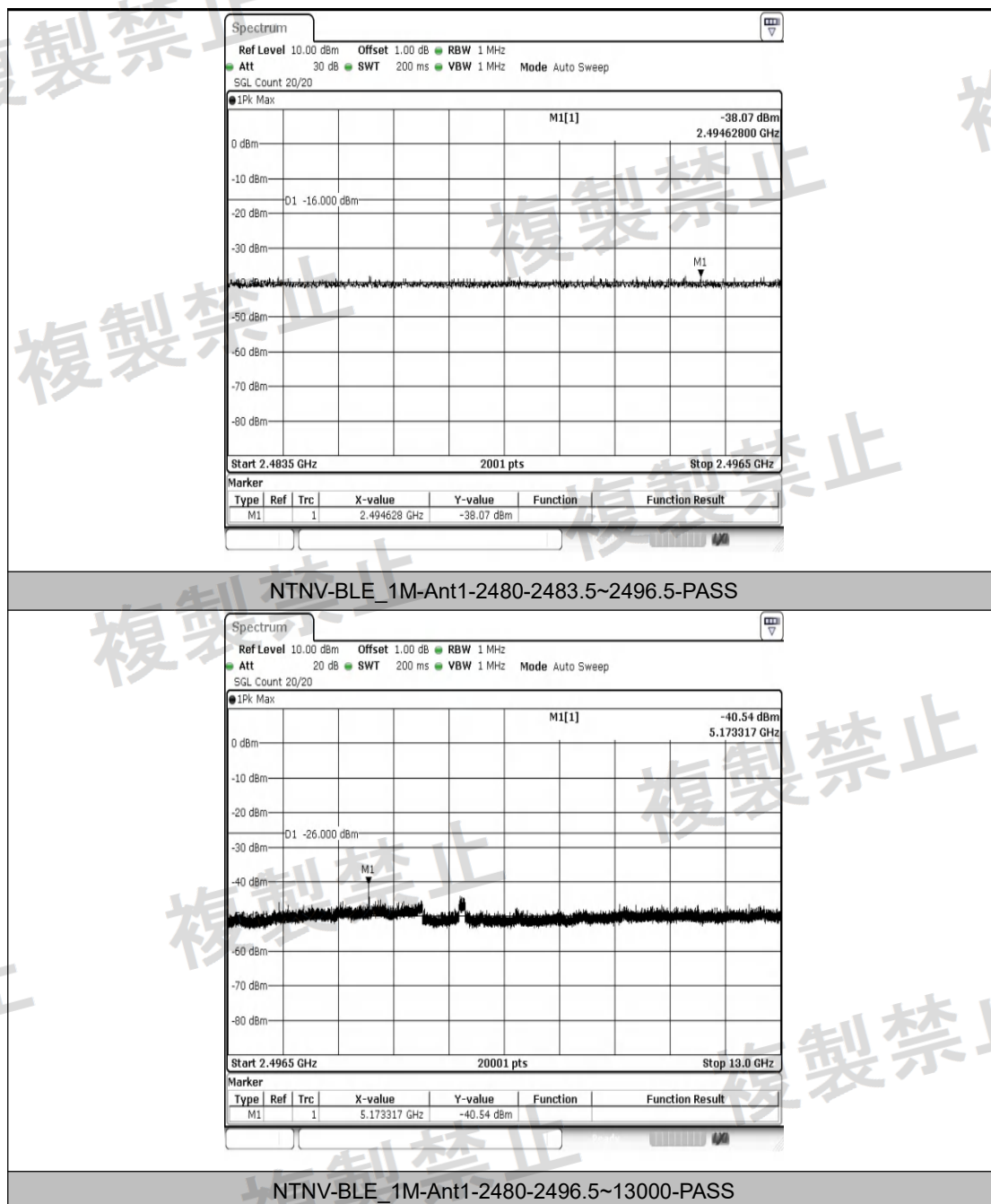


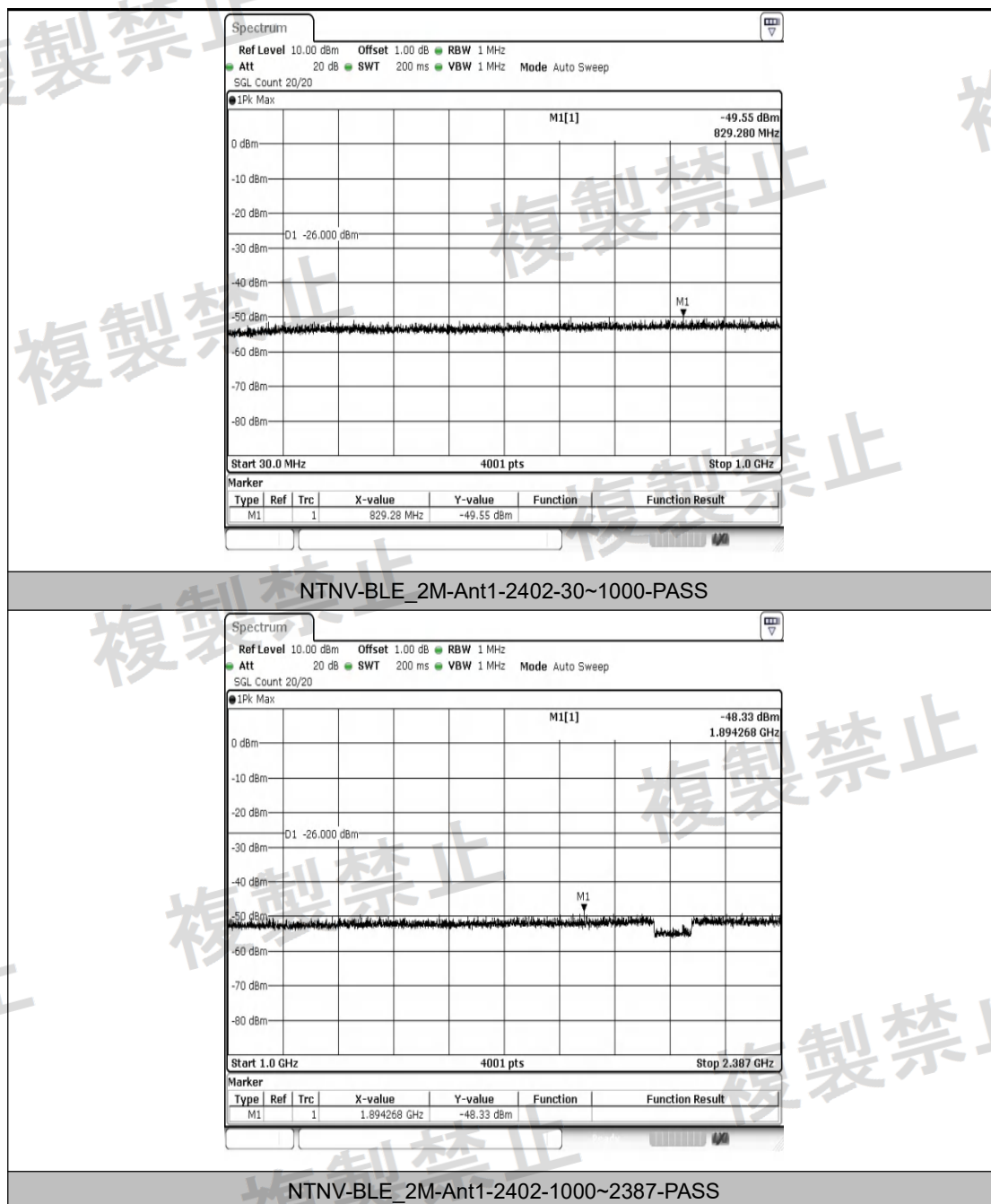


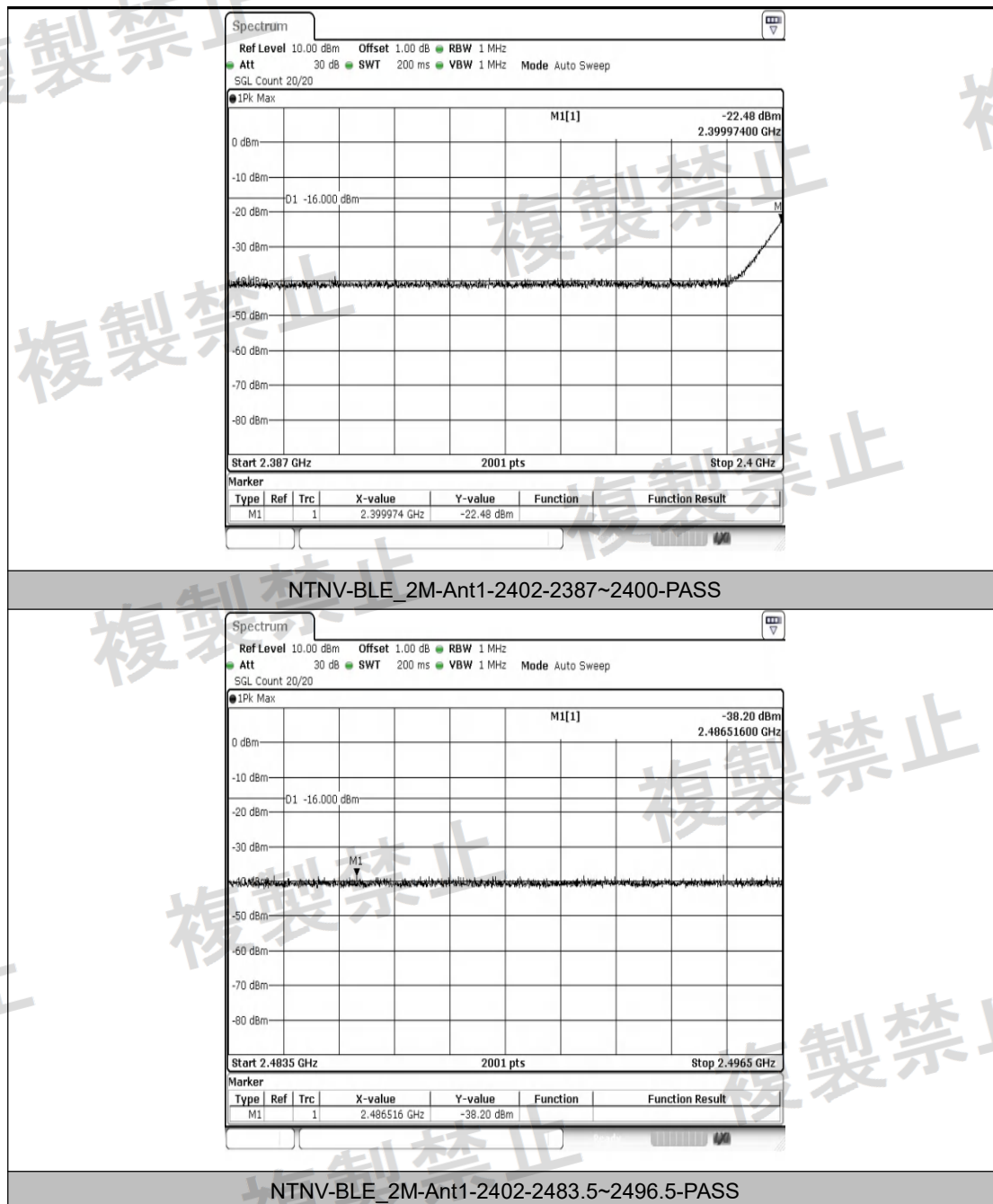


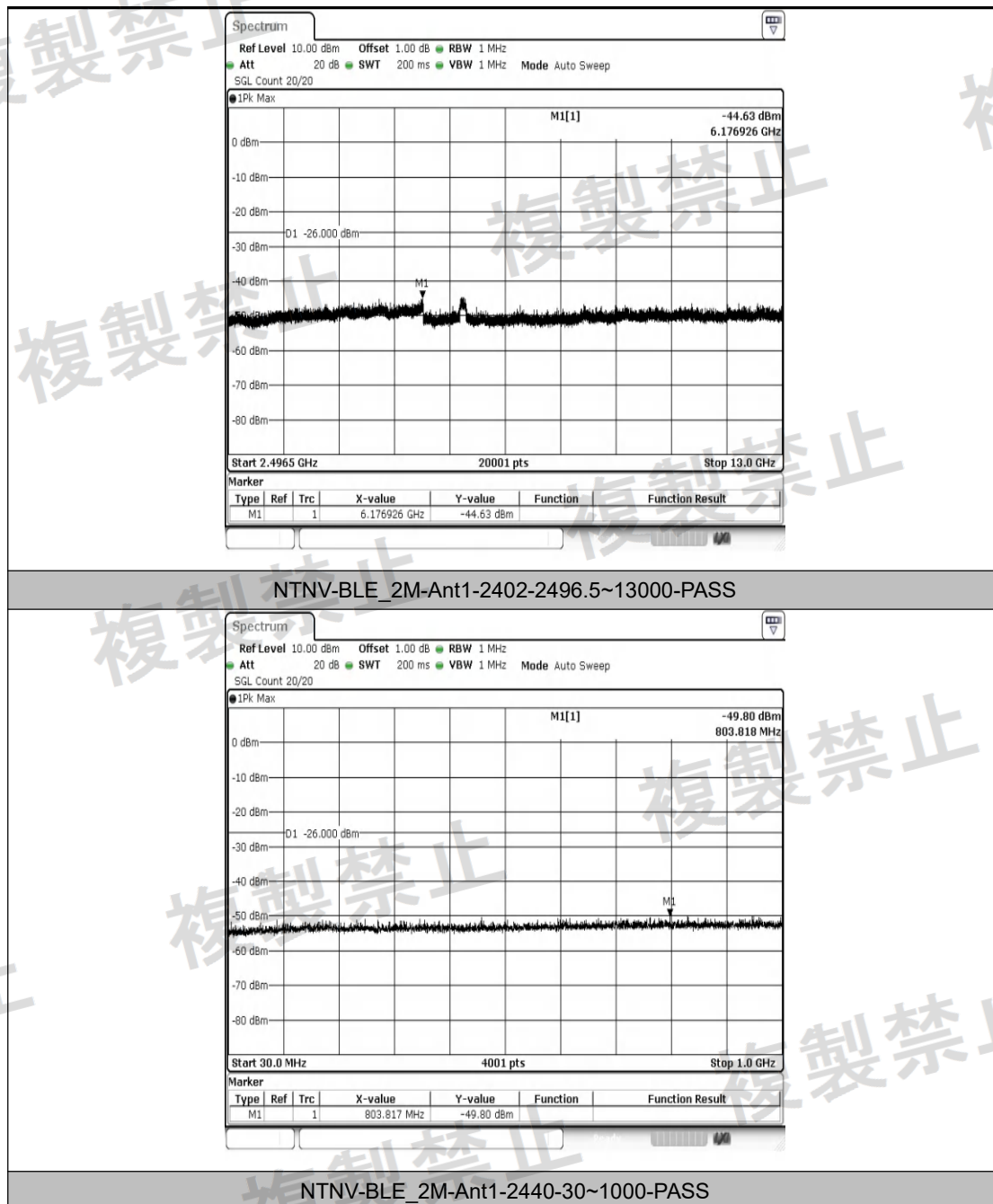


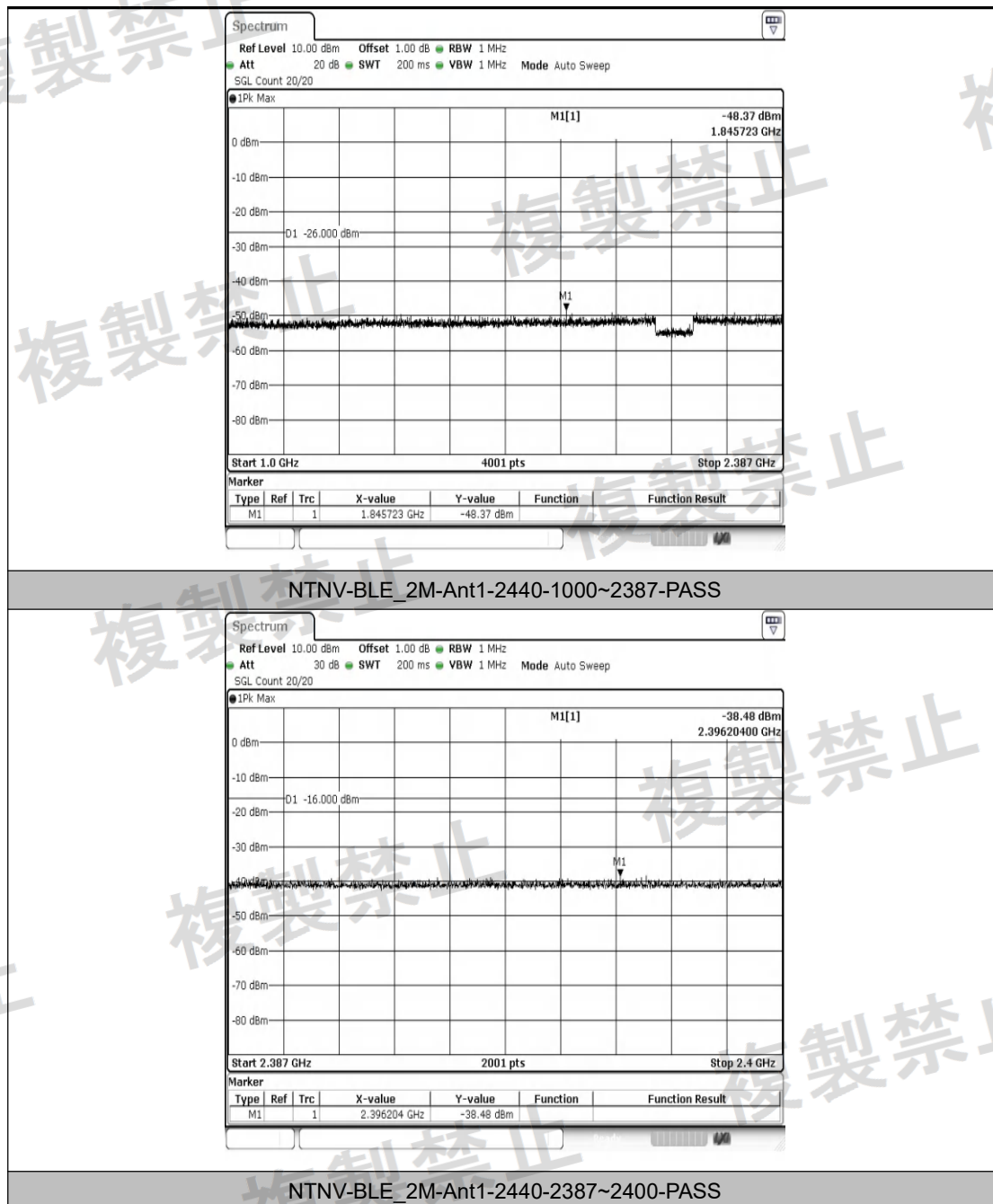


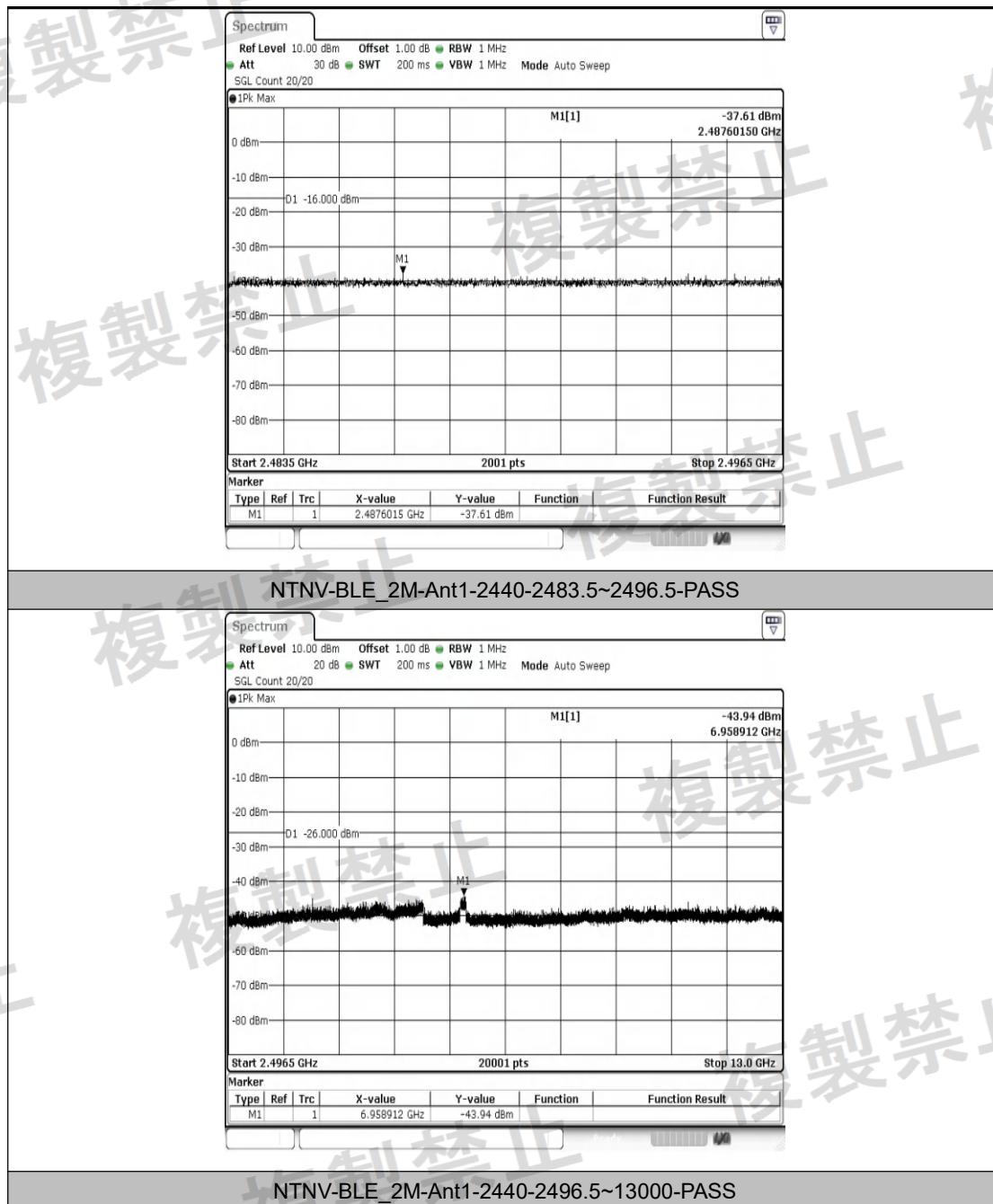


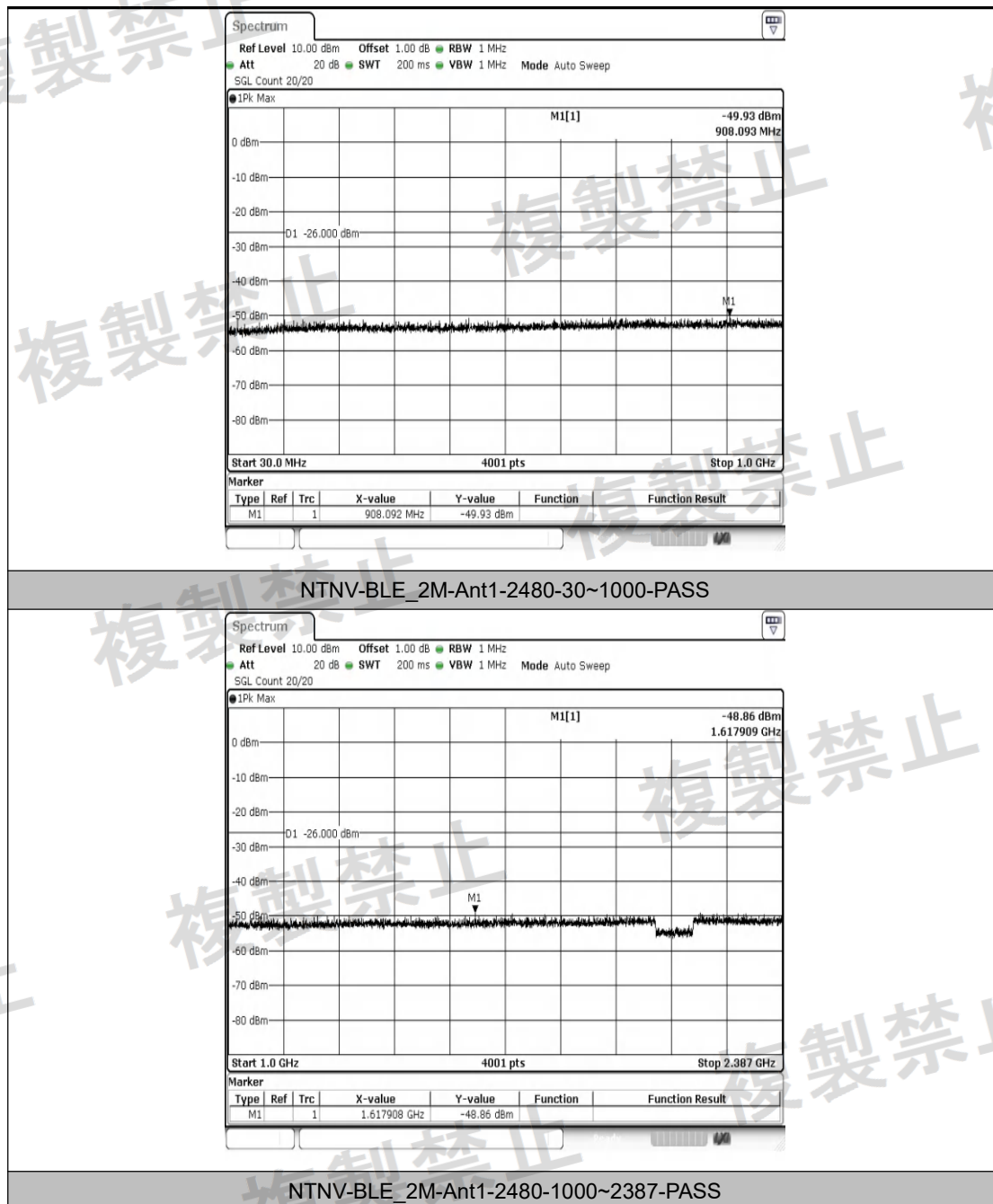


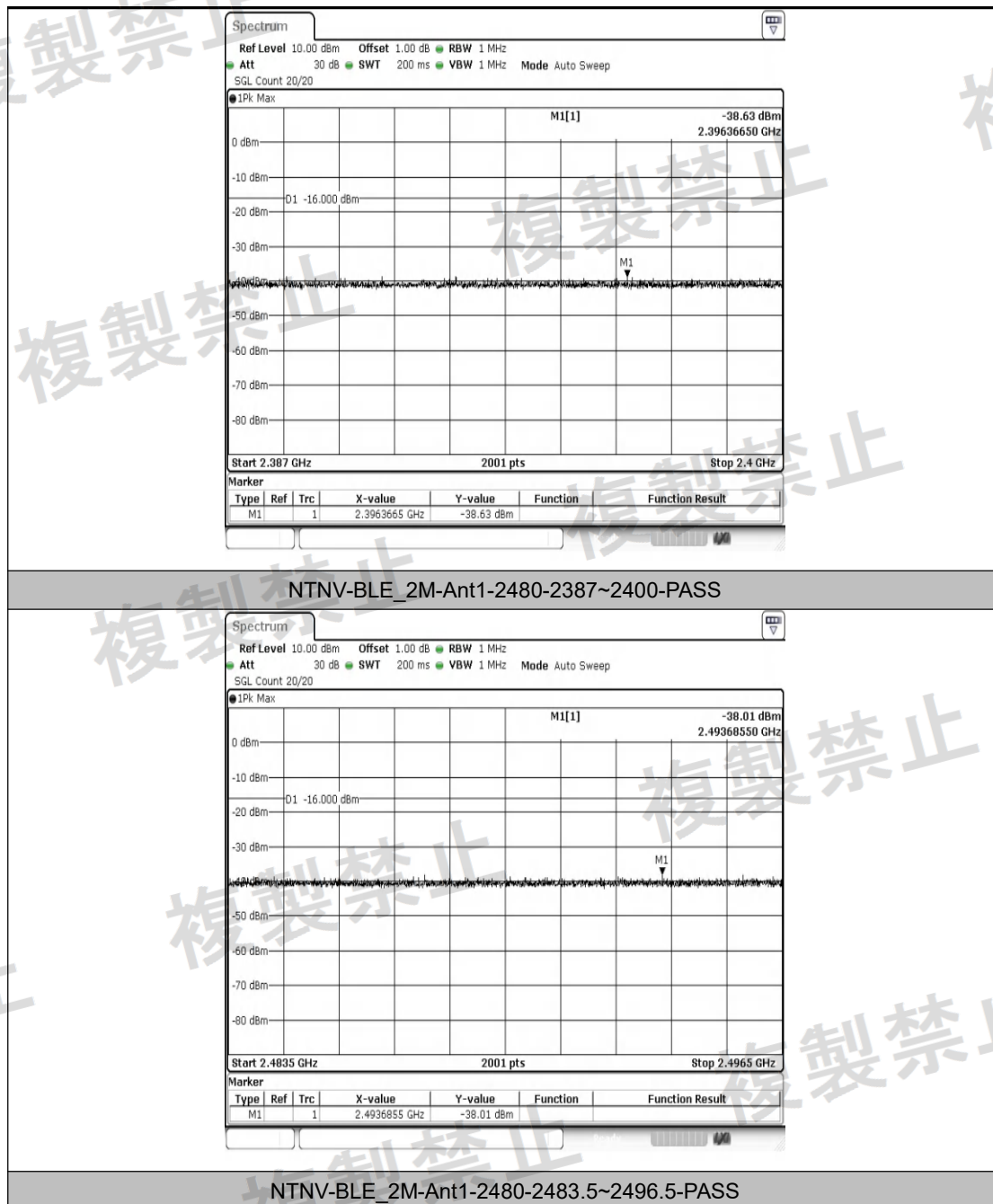


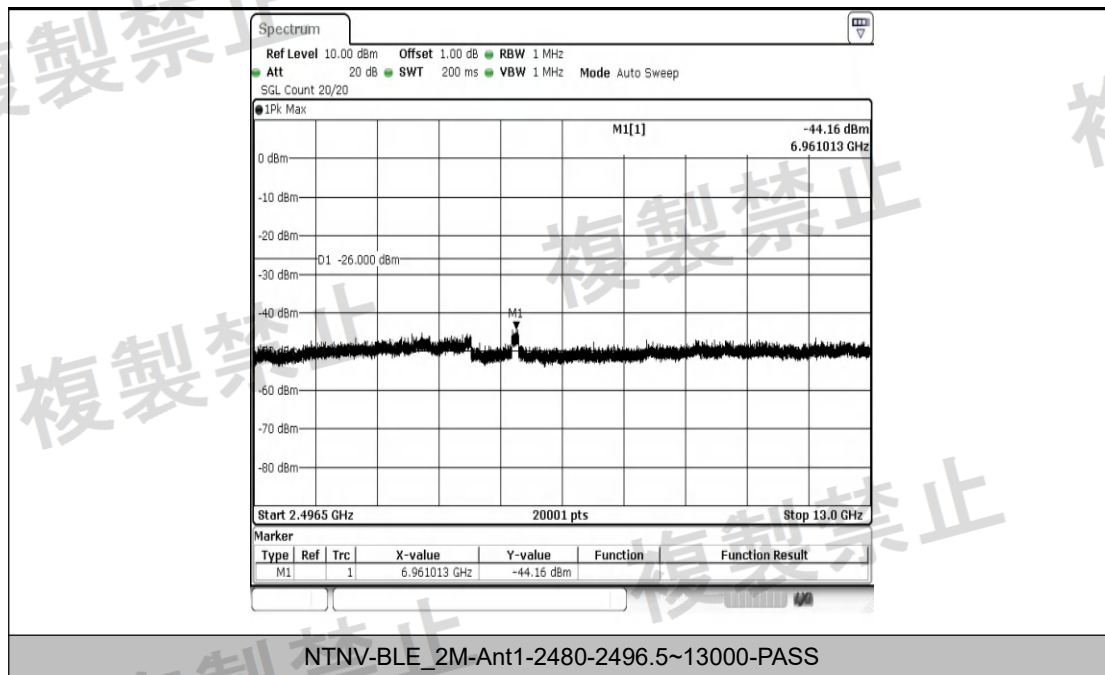












Appendix E: Spurious Emission of RX

Test Result

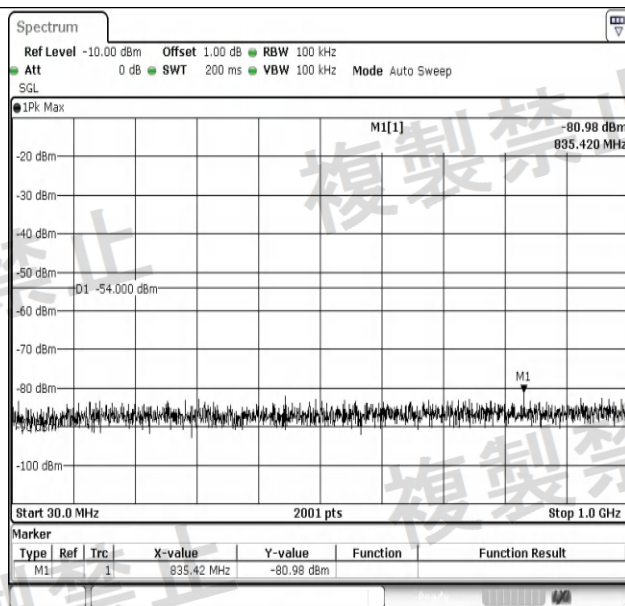
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	835.42	-80.98	≤-54	0.00798	≤4	PASS
NTNV	BLE_1M	Ant1	2402	1000~12500	2463.38	-52.56	≤-47	5.54626	≤20	See table below
NTNV	BLE_1M	Ant1	2440	30~1000	699.69	-80.90	≤-54	0.00813	≤4	PASS
NTNV	BLE_1M	Ant1	2440	1000~12500	5506.91	-62.81	≤-47	0.52360	≤20	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	968.25	-81.74	≤-54	0.00670	≤4	PASS
NTNV	BLE_1M	Ant1	2480	1000~12500	5506.91	-59.21	≤-47	1.19950	≤20	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	894.08	-71.17	≤-54	0.07638	≤4	PASS
NTNV	BLE_2M	Ant1	2402	1000~12500	2442.89	-57.49	≤-47	1.78238	≤20	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	906.20	-82.35	≤-54	0.00582	≤4	PASS
NTNV	BLE_2M	Ant1	2440	1000~12500	5501.16	-63.25	≤-47	0.47315	≤20	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	900.38	-81.81	≤-54	0.00659	≤4	PASS
NTNV	BLE_2M	Ant1	2480	1000~12500	5504.04	-62.04	≤-47	0.62517	≤20	PASS

Test Result_Step2

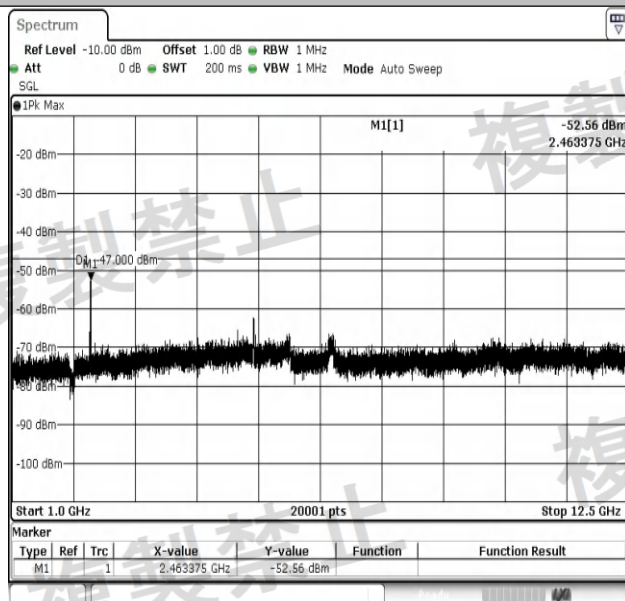
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	2463.38	-59.35	≤-47	1.16145	≤20	PASS



Test Graphs

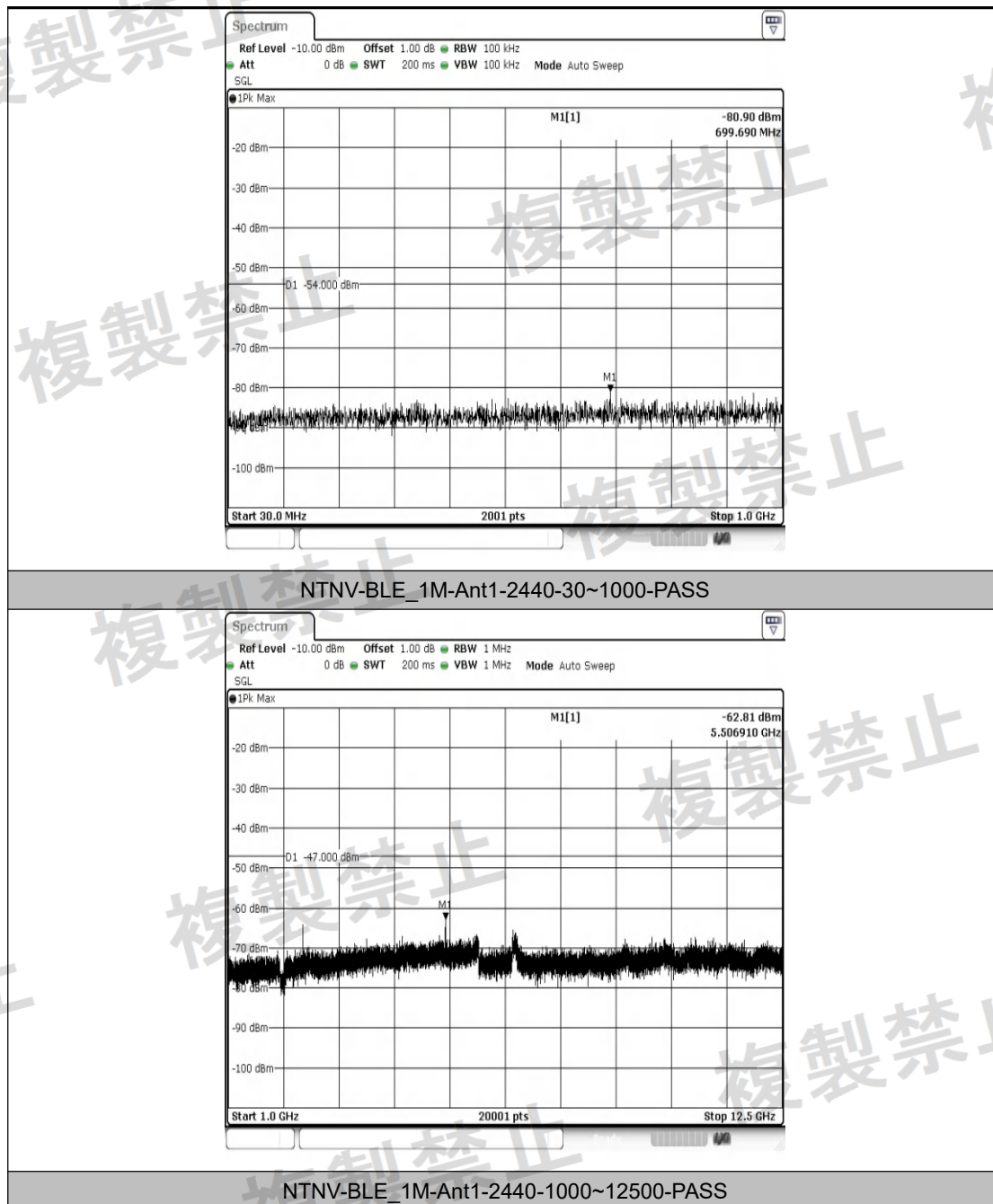


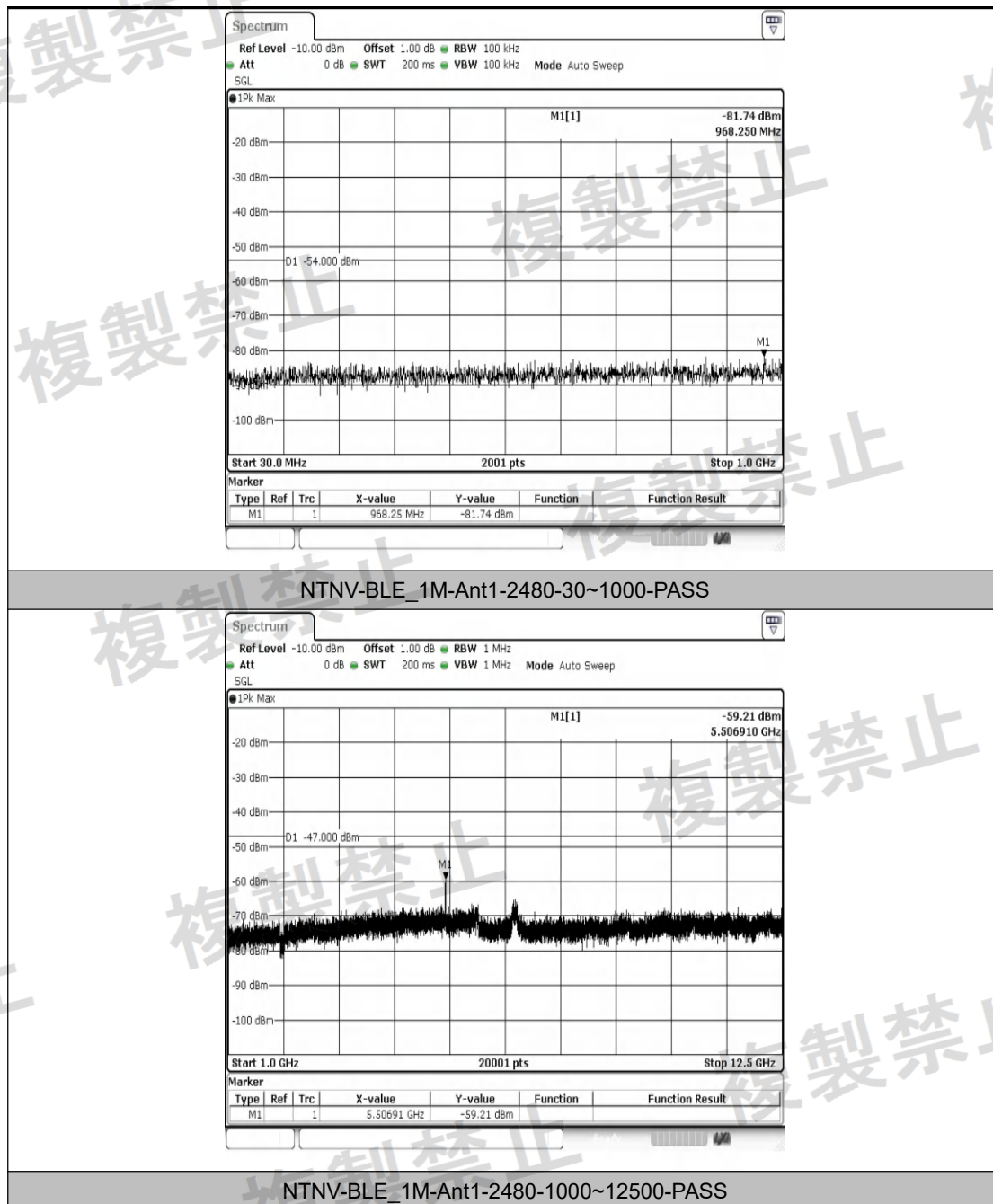
NTNV-BLE_1M-Ant1-2402-30~1000-PASS

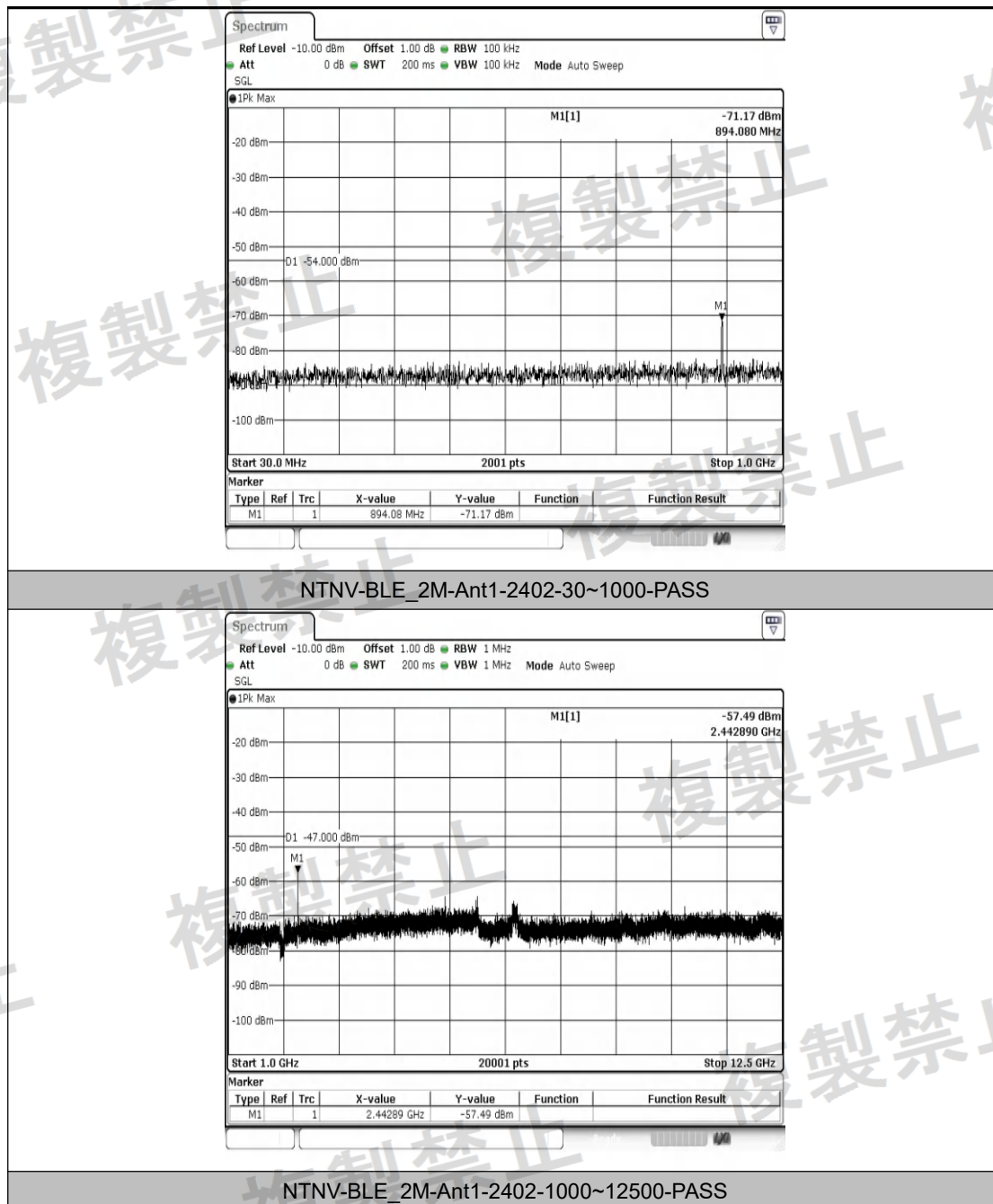


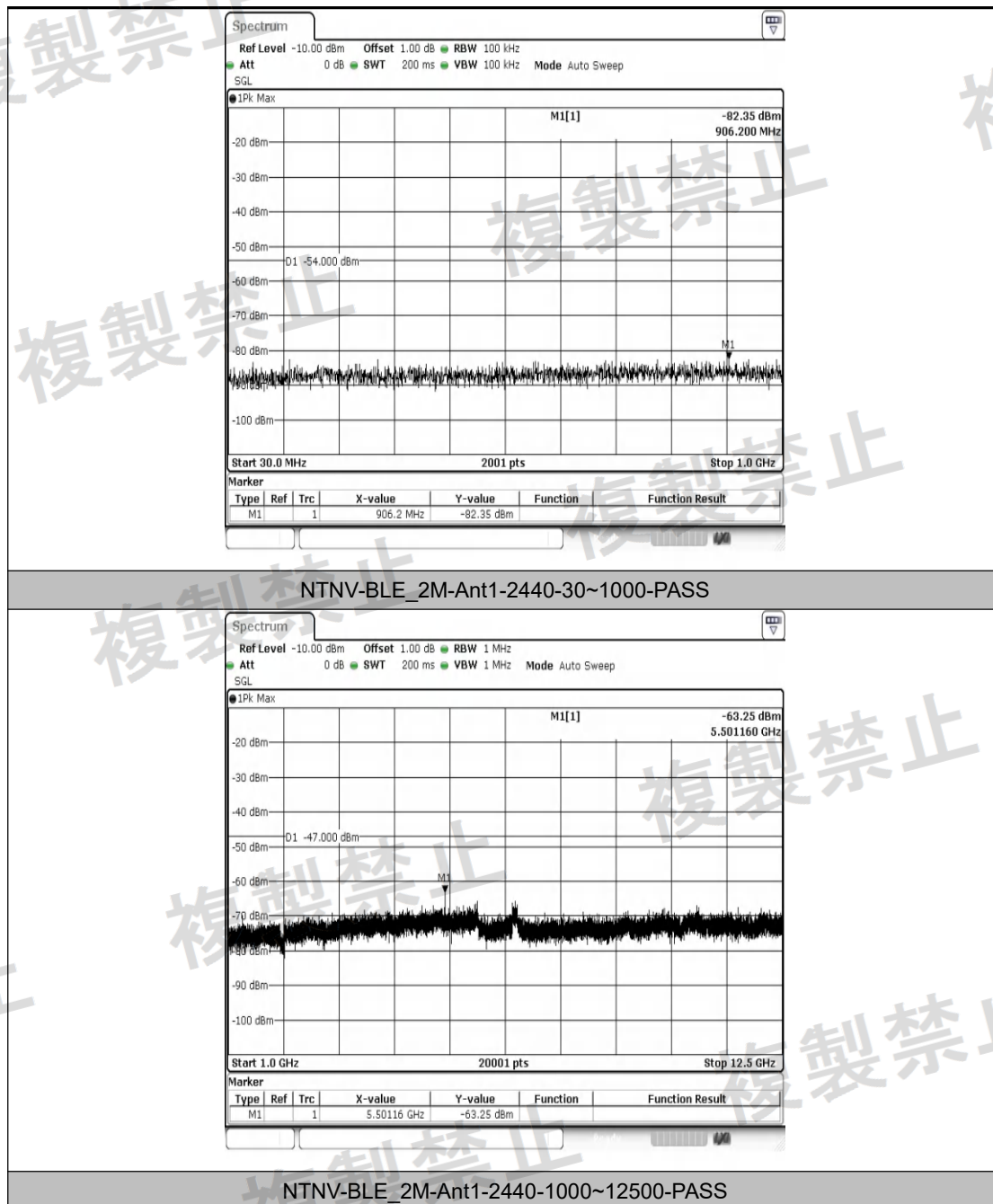
NTNV-BLE_1M-Ant1-2402-1000~12500-See table below

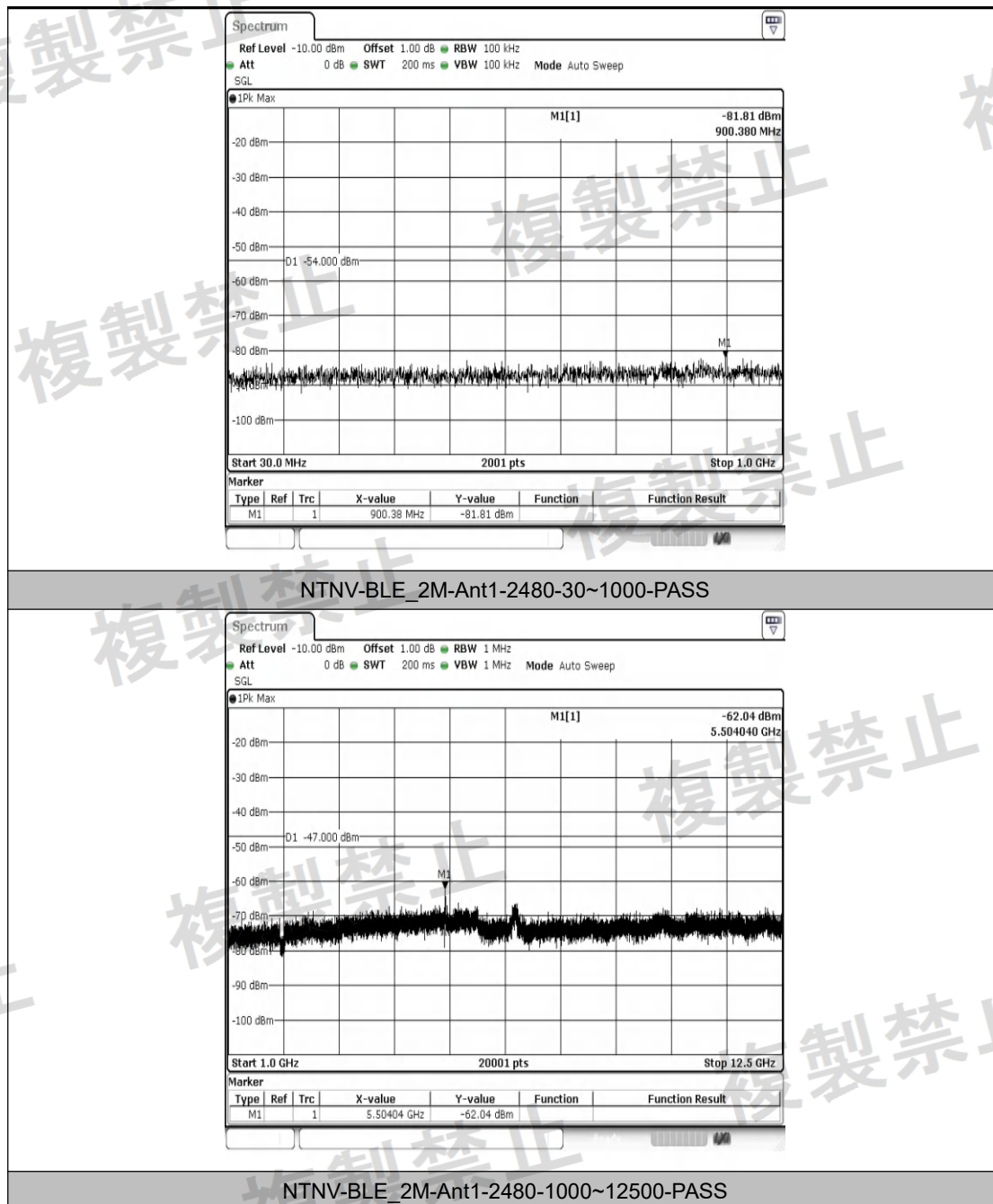




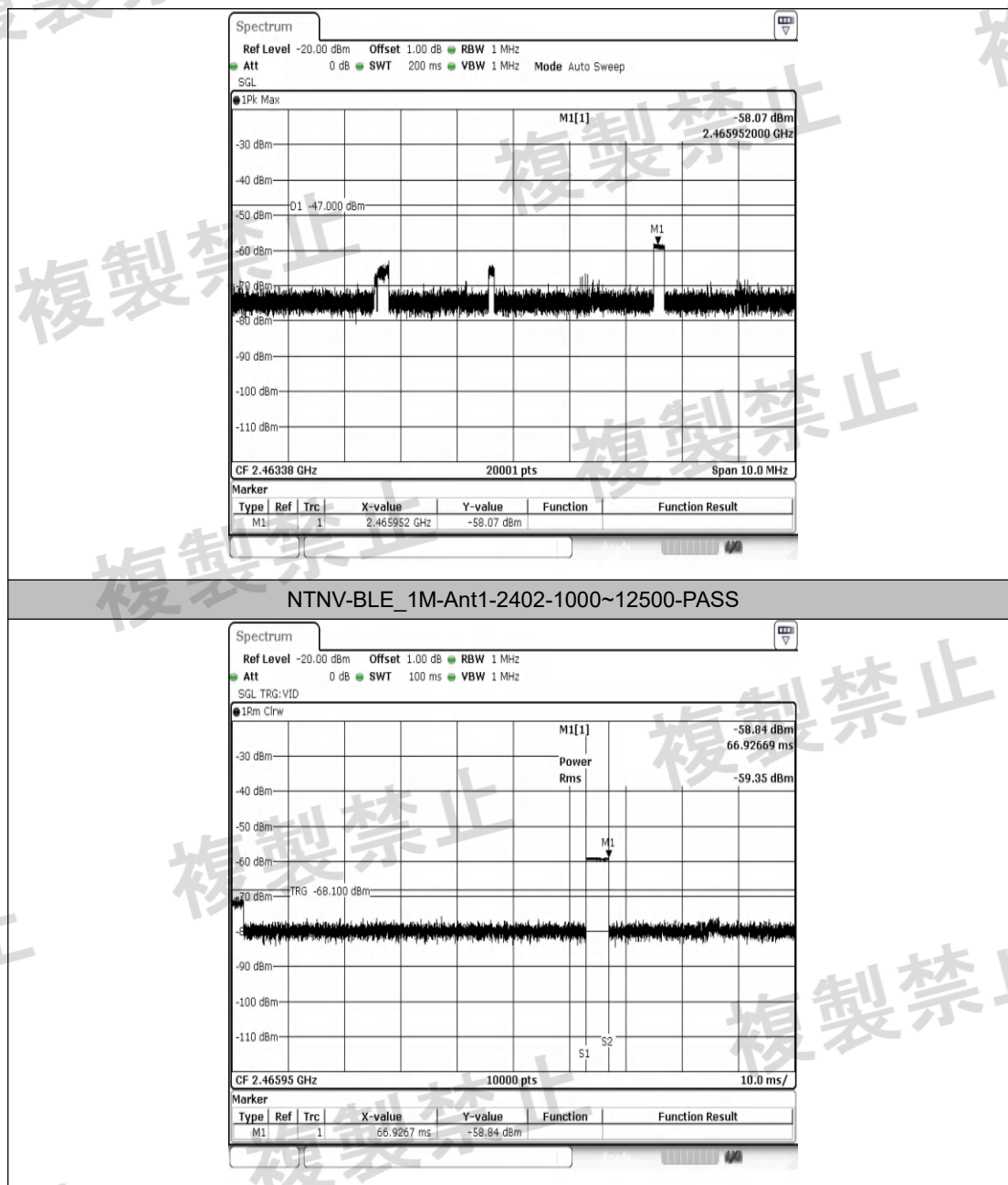








Test Graphs_Step2



---End---

