

Appendix Test Data

Report No.:	1812C60330212502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-6-24	Finish Test Date:	2026-6-30
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	26.3℃	Relative Humidity:	52%
Pressure:	101kPa		

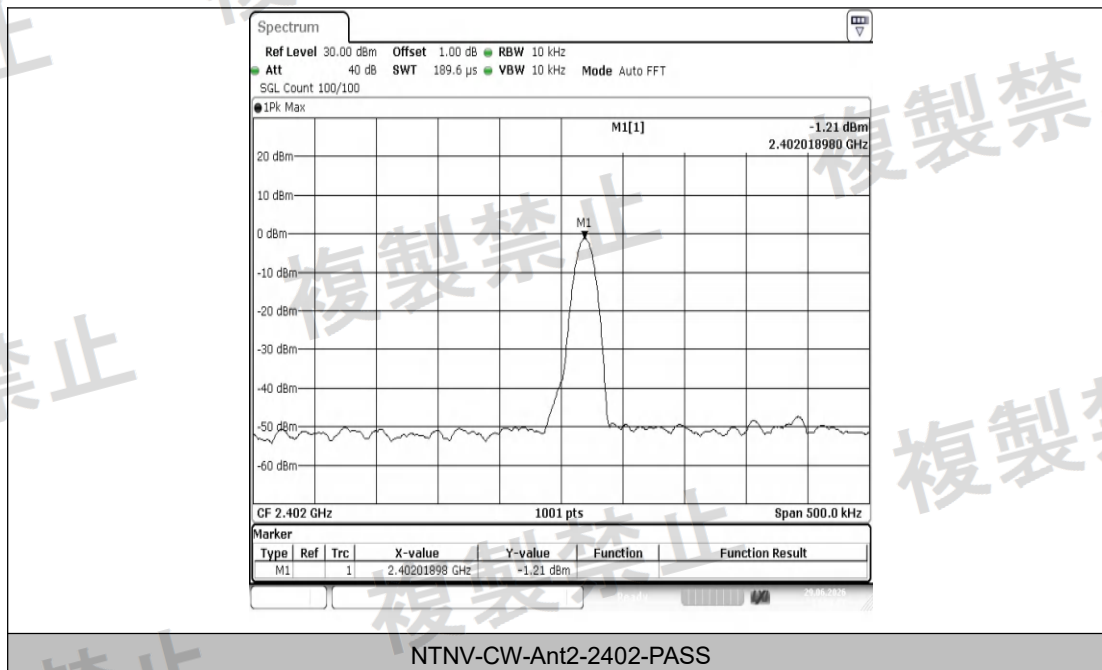
Appendix A: Frequency Error

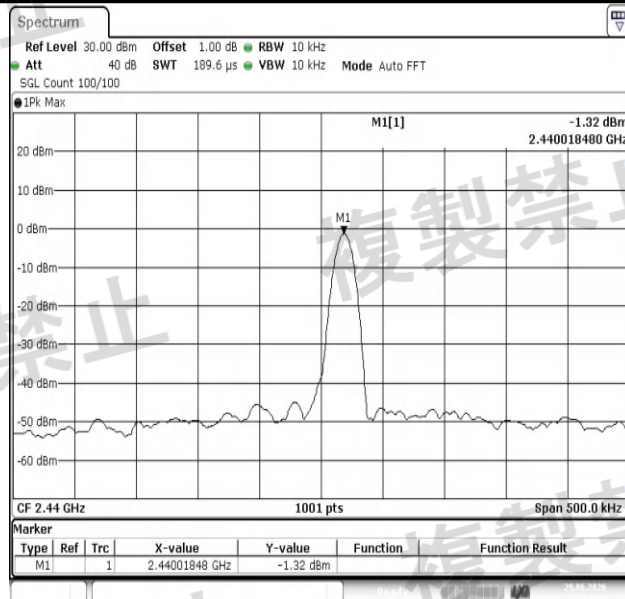
Test Result

Test Condition	Test Mode	Antenna	Freq.[MHz]	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant2	2402	2402.01898	7.90175	±50	PASS
NTNV	CW	Ant2	2440	2440.01848	7.57377	±50	PASS
NTNV	CW	Ant2	2480	2480.01948	7.85484	±50	PASS

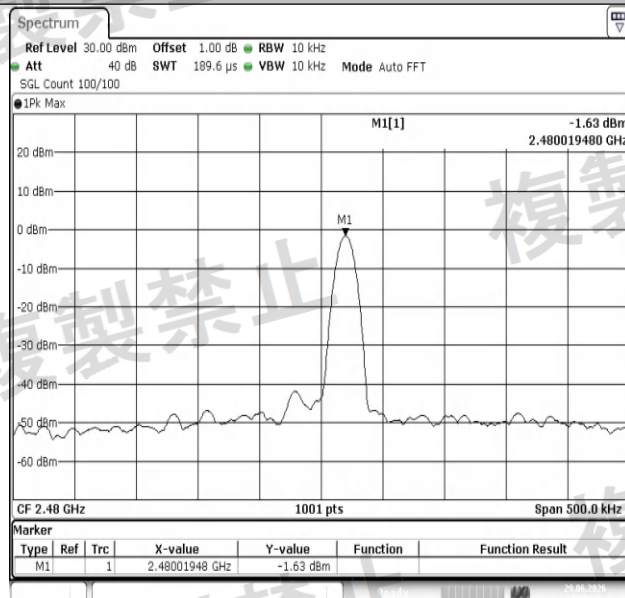
Note: Result[ppm]= (Center Freq[MHz] -Freq.[MHz])/Freq.[MHz]*1000000

Test Graphs





NTNV-CW-Ant2-2440-PASS



NTNV-CW-Ant2-2480-PASS



Appendix B: Antenna Power

Test Result

Test Condition	TestMode	Antenna	Freq. [MHz]	Result[dBm]	Result[mW]	Limit [mW]	Verdict
NTNV	BLE_1M	Ant2	2402	-3.60	0.4365	≤10	PASS
NTNV	BLE_1M	Ant2	2440	-3.18	0.4808	≤10	PASS
NTNV	BLE_1M	Ant2	2480	-2.59	0.5508	≤10	PASS
NTNV	BLE_2M	Ant2	2402	-4.28	0.3732	≤10	PASS
NTNV	BLE_2M	Ant2	2440	-3.51	0.4456	≤10	PASS
NTNV	BLE_2M	Ant2	2480	-3.16	0.4830	≤10	PASS

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

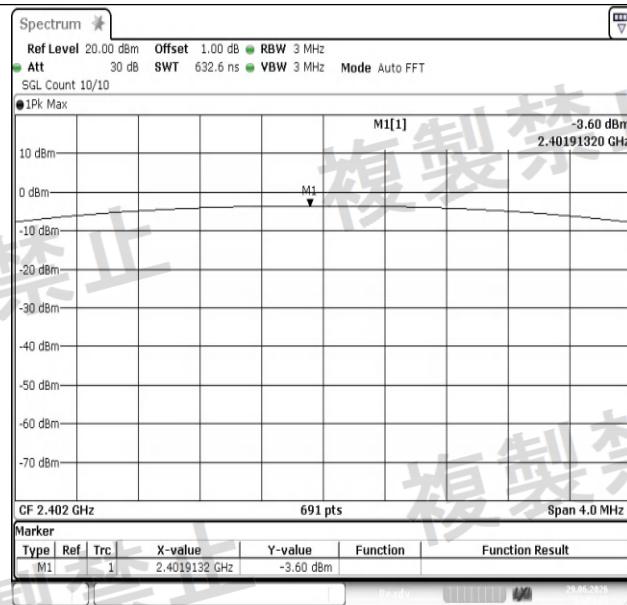
Test Condition	Test Mode	Antenna	Freq. [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit(%)	Verdict
NTNV	BLE_1M	Ant2	2402	0.4365	0.5	-12.70	+20	PASS
NTNV	BLE_1M	Ant2	2440	0.4808	0.5	-3.84	+20	PASS
NTNV	BLE_1M	Ant2	2480	0.5508	0.5	10.16	+20	PASS
NTNV	BLE_2M	Ant2	2402	0.3732	0.5	-25.36	+20	PASS
NTNV	BLE_2M	Ant2	2440	0.4456	0.5	-10.88	+20	PASS
NTNV	BLE_2M	Ant2	2480	0.4830	0.5	-3.40	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Gain [dBi]	EIRP (dBm)	Limit (dBm)	Verdict
NTNV	BLE_1M	Ant2	2402	-4.60	3.89	-0.71	≤12.14	PASS
NTNV	BLE_1M	Ant2	2440	-4.15	3.89	-0.26	≤12.14	PASS
NTNV	BLE_1M	Ant2	2480	-3.59	3.89	0.30	≤12.14	PASS
NTNV	BLE_2M	Ant2	2402	-6.05	3.89	-2.16	≤12.14	PASS
NTNV	BLE_2M	Ant2	2440	-5.57	3.89	-1.68	≤12.14	PASS
NTNV	BLE_2M	Ant2	2480	-5.22	3.89	-1.33	≤12.14	PASS

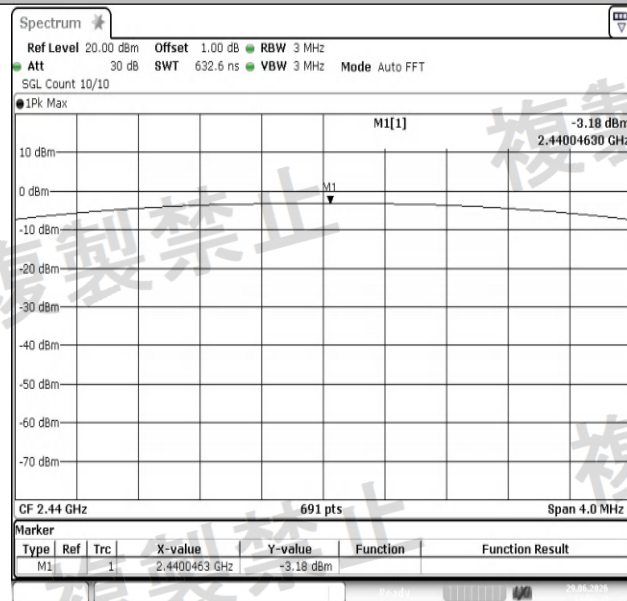
Note: EIRP[dBm]=Result[dBm]+Gain(dBi)



Test Graphs

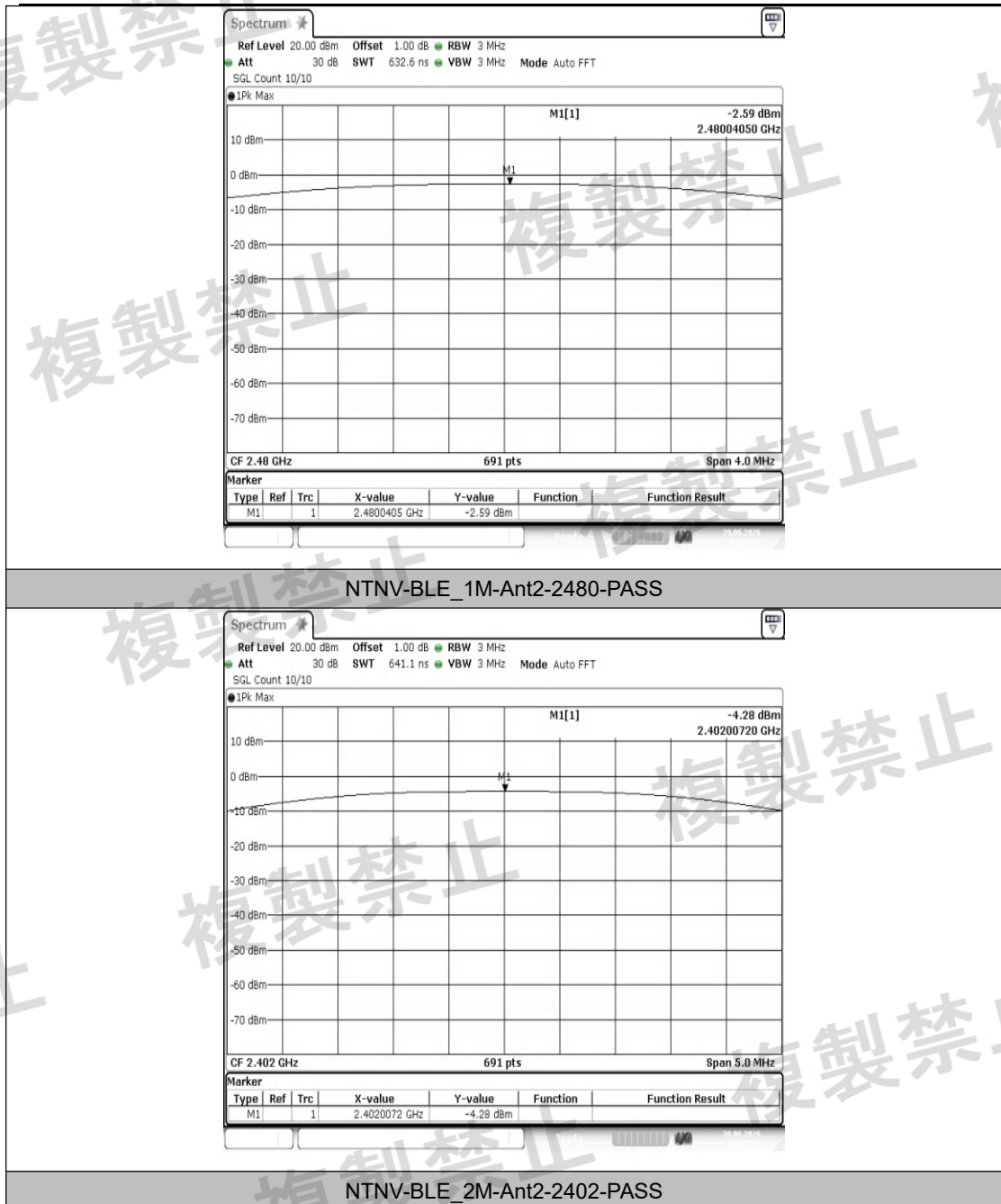


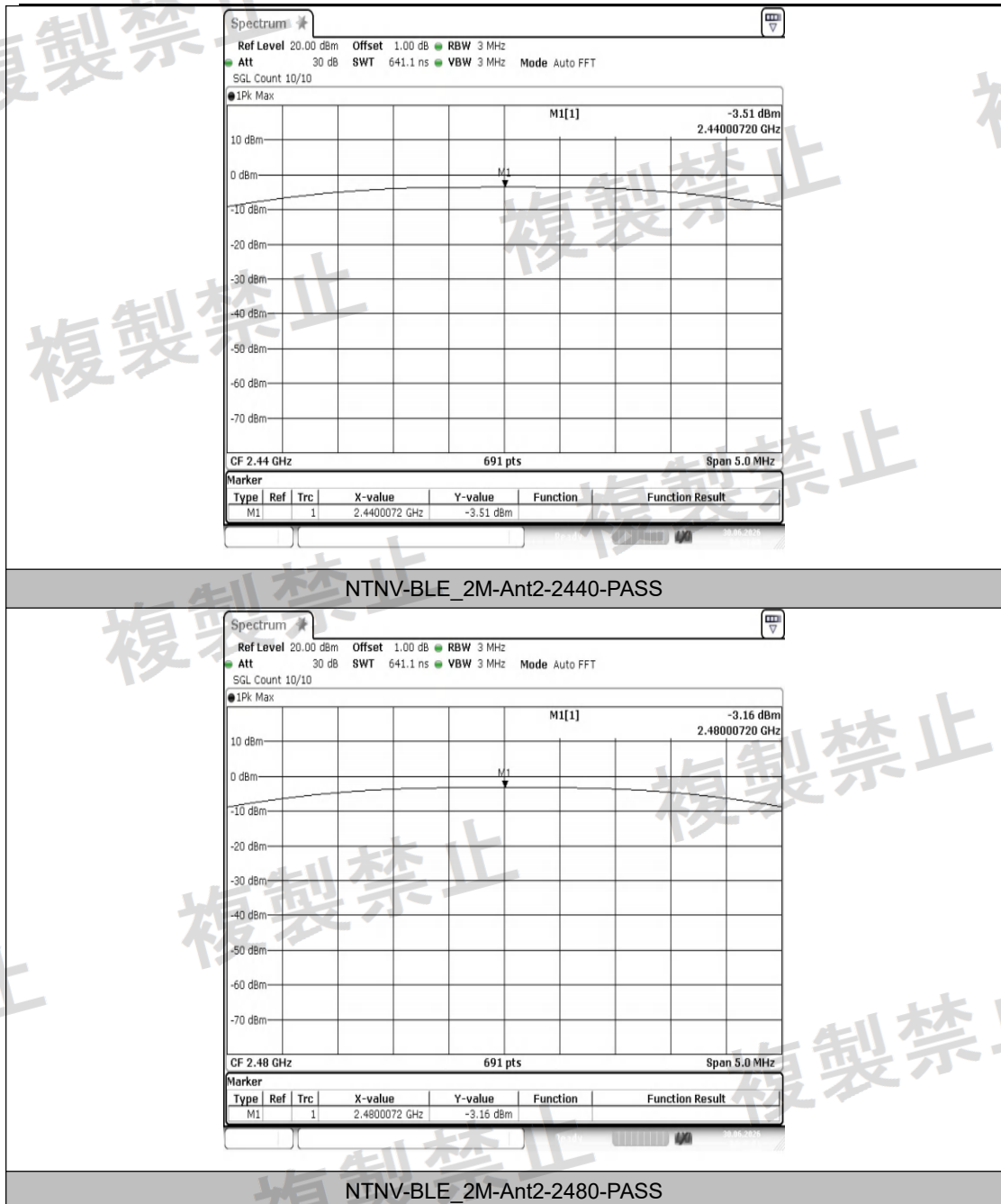
NTNV-BLE_1M-Ant2-2402-PASS



NTNV-BLE_1M-Ant2-2440-PASS







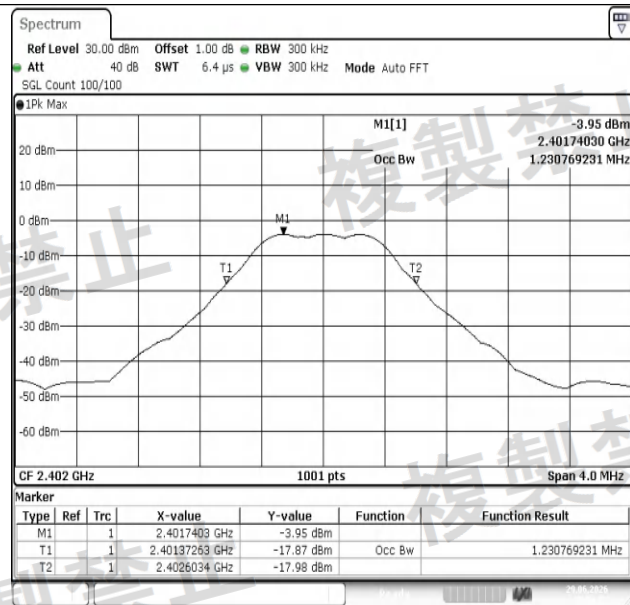
Appendix C: Occupied Bandwidth

Test Result

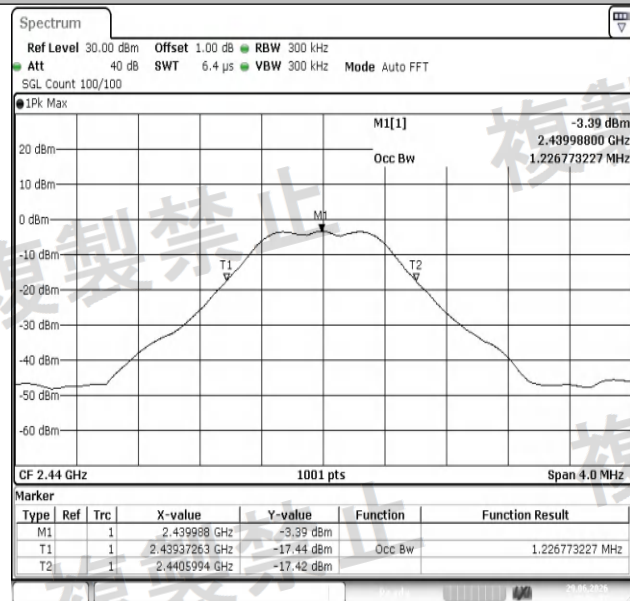
Test Condition	TestMode	Antenna	Freq.[MHz]	Result[MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant2	2402	1.231	≤26	PASS
NTNV	BLE_1M	Ant2	2440	1.227	≤26	PASS
NTNV	BLE_1M	Ant2	2480	1.231	≤26	PASS
NTNV	BLE_2M	Ant2	2402	2.150	≤26	PASS
NTNV	BLE_2M	Ant2	2440	2.162	≤26	PASS
NTNV	BLE_2M	Ant2	2480	2.150	≤26	PASS



Test Graphs

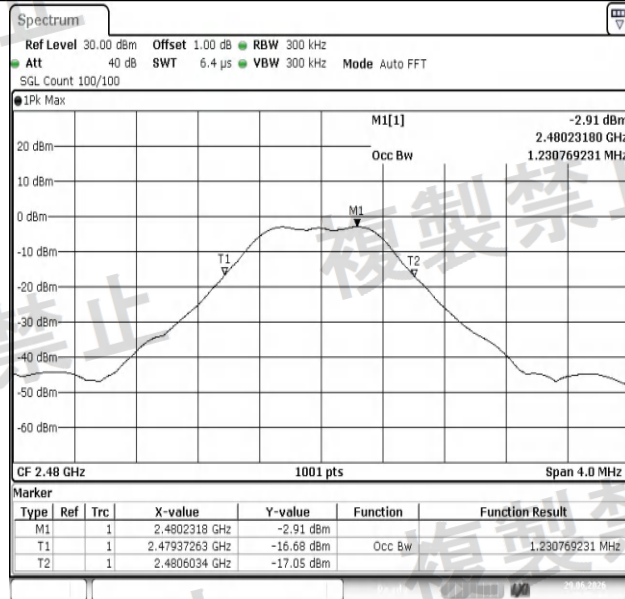


NTNV-BLE_1M-Ant2-2402-PASS

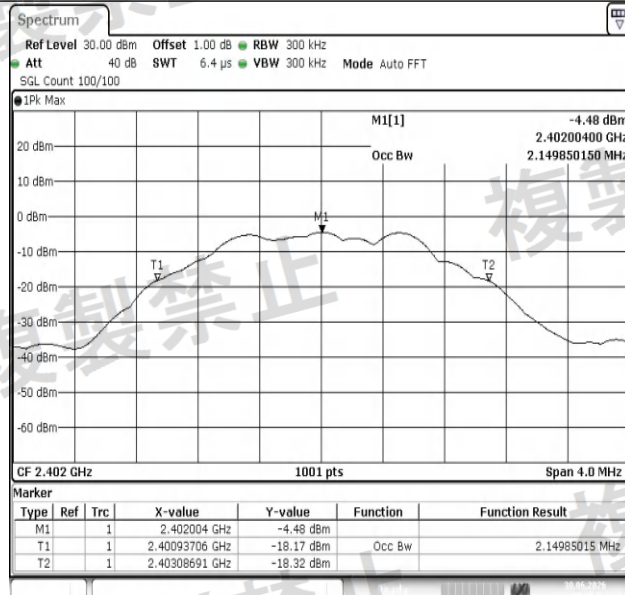


NTNV-BLE_1M-Ant2-2440-PASS



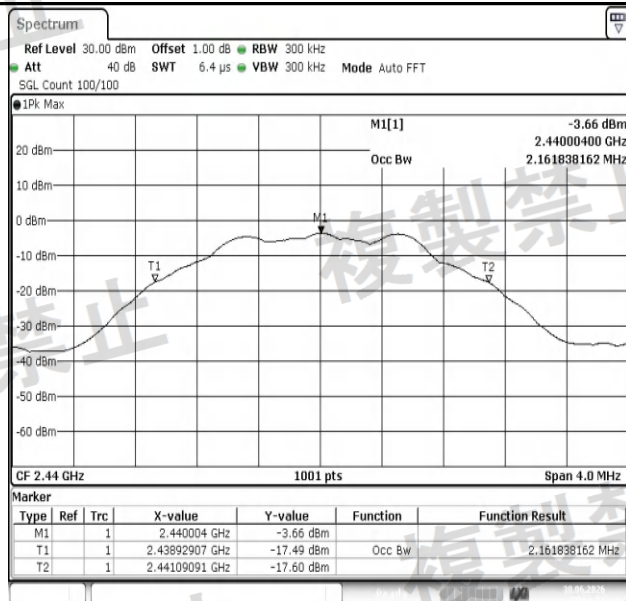


NTNV-BLE_1M-Ant2-2480-PASS

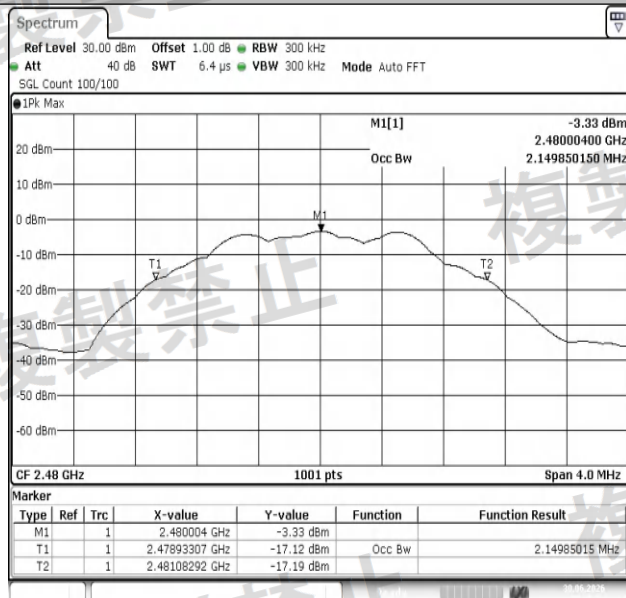


NTNV-BLE_2M-Ant2-2402-PASS





NTNV-BLE_2M-Ant2-2440-PASS



NTNV-BLE_2M-Ant2-2480-PASS



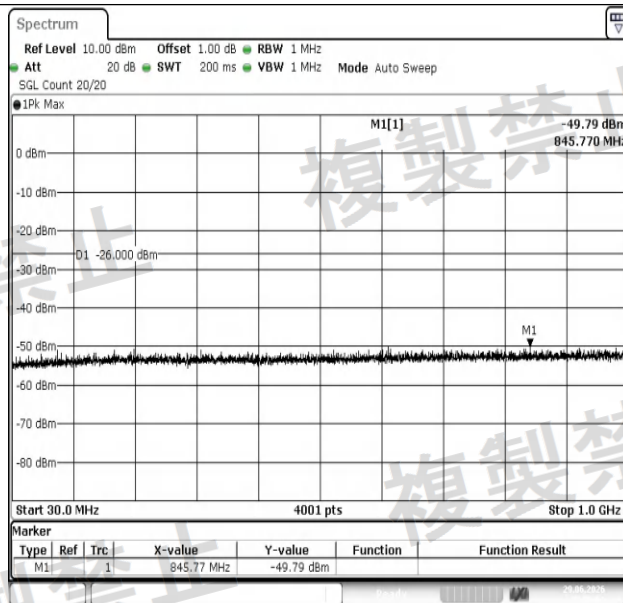
Appendix D: Spurious Emission of TX

Test Result

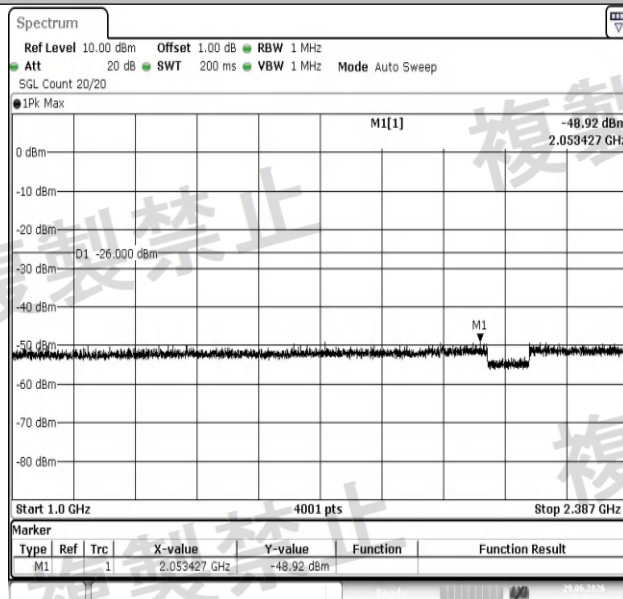
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	BLE_1M	Ant2	2402	30~1000	845.77	-49.79	≤-26	0.01050	≤2.5	PASS
NTNV	BLE_1M	Ant2	2402	1000~2387	2053.43	-48.92	≤-26	0.01282	≤2.5	PASS
NTNV	BLE_1M	Ant2	2402	2387~2400	2400.00	-35.87	≤-16	0.25882	≤25	PASS
NTNV	BLE_1M	Ant2	2402	2483.5~2496.5	2494.99	-38.30	≤-16	0.14791	≤25	PASS
NTNV	BLE_1M	Ant2	2402	2496.5~13000	6967.84	-44.47	≤-26	0.03573	≤2.5	PASS
NTNV	BLE_1M	Ant2	2440	30~1000	944.23	-49.91	≤-26	0.01021	≤2.5	PASS
NTNV	BLE_1M	Ant2	2440	1000~2387	1141.13	-49.12	≤-26	0.01225	≤2.5	PASS
NTNV	BLE_1M	Ant2	2440	2387~2400	2393.64	-38.53	≤-16	0.14028	≤25	PASS
NTNV	BLE_1M	Ant2	2440	2483.5~2496.5	2494.95	-37.64	≤-16	0.17219	≤25	PASS
NTNV	BLE_1M	Ant2	2440	2496.5~13000	6989.37	-43.46	≤-26	0.04508	≤2.5	PASS
NTNV	BLE_1M	Ant2	2480	30~1000	974.05	-49.73	≤-26	0.01064	≤2.5	PASS
NTNV	BLE_1M	Ant2	2480	1000~2387	1637.33	-48.72	≤-26	0.01343	≤2.5	PASS
NTNV	BLE_1M	Ant2	2480	2387~2400	2392.36	-38.64	≤-16	0.13677	≤25	PASS
NTNV	BLE_1M	Ant2	2480	2483.5~2496.5	2492.64	-37.89	≤-16	0.16255	≤25	PASS
NTNV	BLE_1M	Ant2	2480	2496.5~13000	6894.84	-44.24	≤-26	0.03767	≤2.5	PASS
NTNV	BLE_2M	Ant2	2402	30~1000	912.22	-49.37	≤-26	0.01156	≤2.5	PASS
NTNV	BLE_2M	Ant2	2402	1000~2387	2324.59	-49.25	≤-26	0.01189	≤2.5	PASS
NTNV	BLE_2M	Ant2	2402	2387~2400	2400.00	-26.50	≤-16	2.23872	≤25	PASS
NTNV	BLE_2M	Ant2	2402	2483.5~2496.5	2493.24	-38.04	≤-16	0.15704	≤25	PASS
NTNV	BLE_2M	Ant2	2402	2496.5~13000	6891.16	-44.56	≤-26	0.03499	≤2.5	PASS
NTNV	BLE_2M	Ant2	2440	30~1000	925.31	-50.08	≤-26	0.00982	≤2.5	PASS
NTNV	BLE_2M	Ant2	2440	1000~2387	2170.28	-48.67	≤-26	0.01358	≤2.5	PASS
NTNV	BLE_2M	Ant2	2440	2387~2400	2398.50	-38.26	≤-16	0.14928	≤25	PASS
NTNV	BLE_2M	Ant2	2440	2483.5~2496.5	2491.19	-38.11	≤-16	0.15453	≤25	PASS
NTNV	BLE_2M	Ant2	2440	2496.5~13000	6905.87	-44.45	≤-26	0.03589	≤2.5	PASS
NTNV	BLE_2M	Ant2	2480	30~1000	959.26	-50.10	≤-26	0.00977	≤2.5	PASS
NTNV	BLE_2M	Ant2	2480	1000~2387	1982.69	-49.14	≤-26	0.01219	≤2.5	PASS
NTNV	BLE_2M	Ant2	2480	2387~2400	2396.44	-38.28	≤-16	0.14859	≤25	PASS
NTNV	BLE_2M	Ant2	2480	2483.5~2496.5	2493.61	-37.90	≤-16	0.16218	≤25	PASS
NTNV	BLE_2M	Ant2	2480	2496.5~13000	6982.02	-44.96	≤-26	0.03192	≤2.5	PASS



Test Graphs

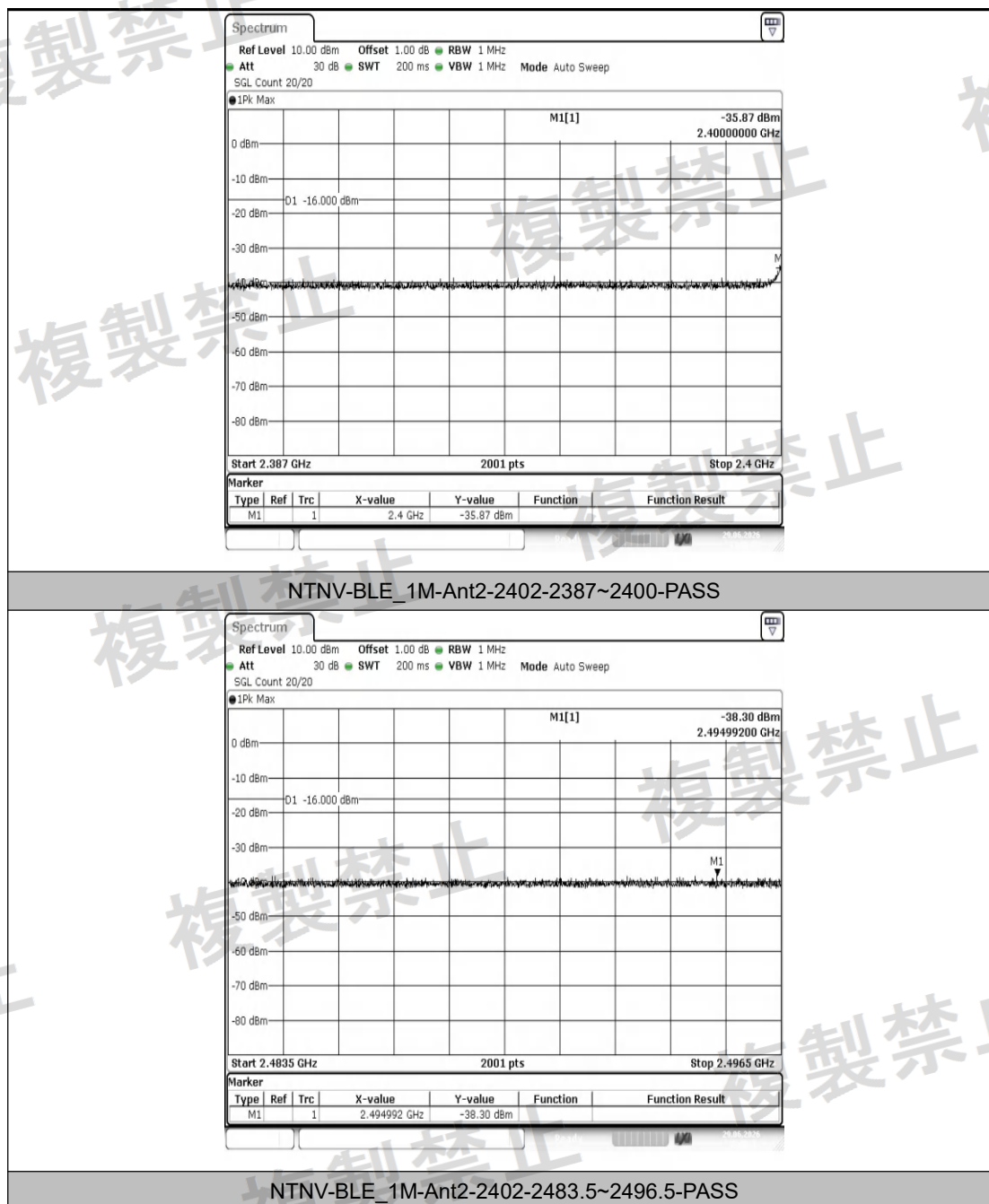


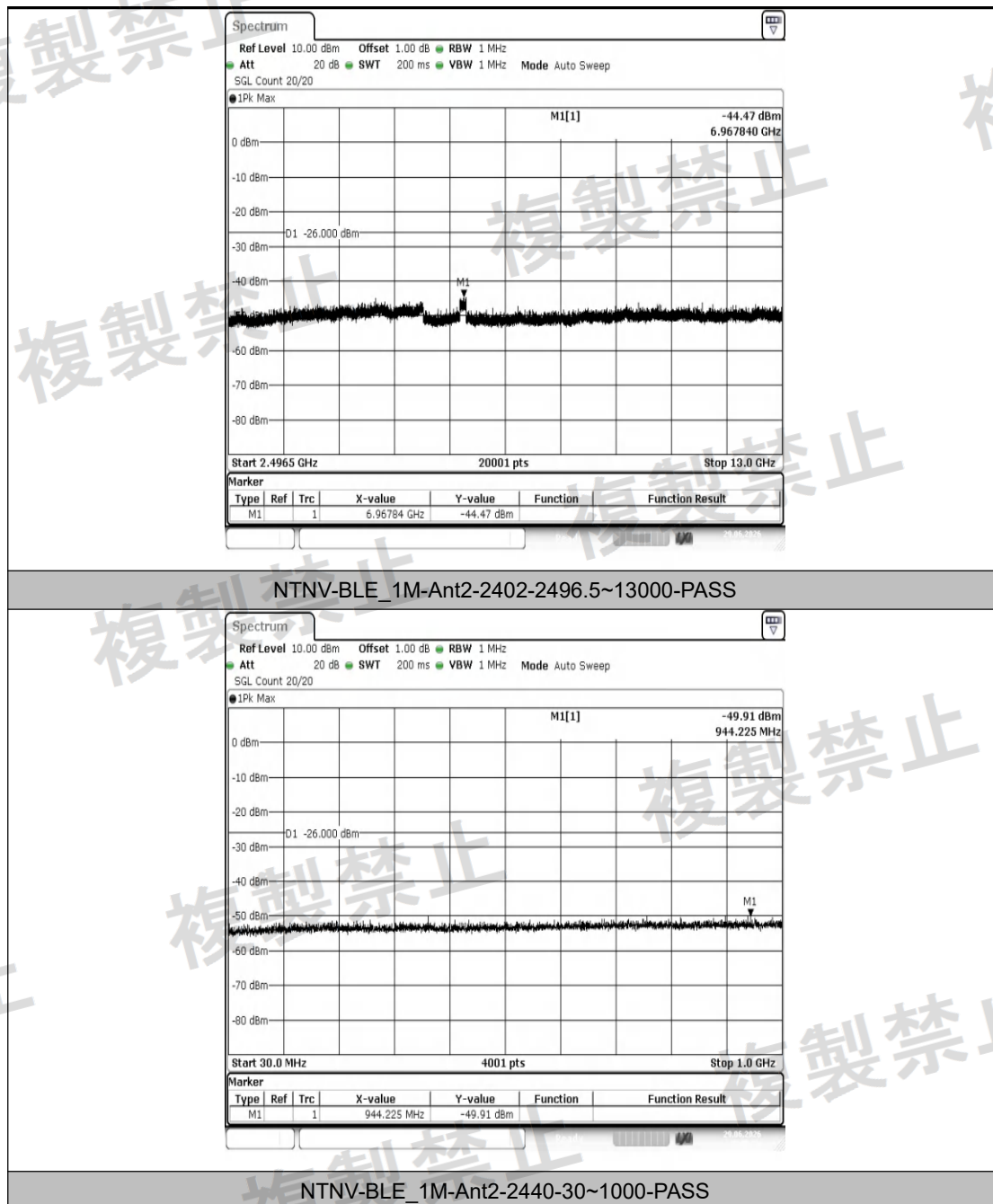
NTNV-BLE_1M-Ant2-2402-30~1000-PASS

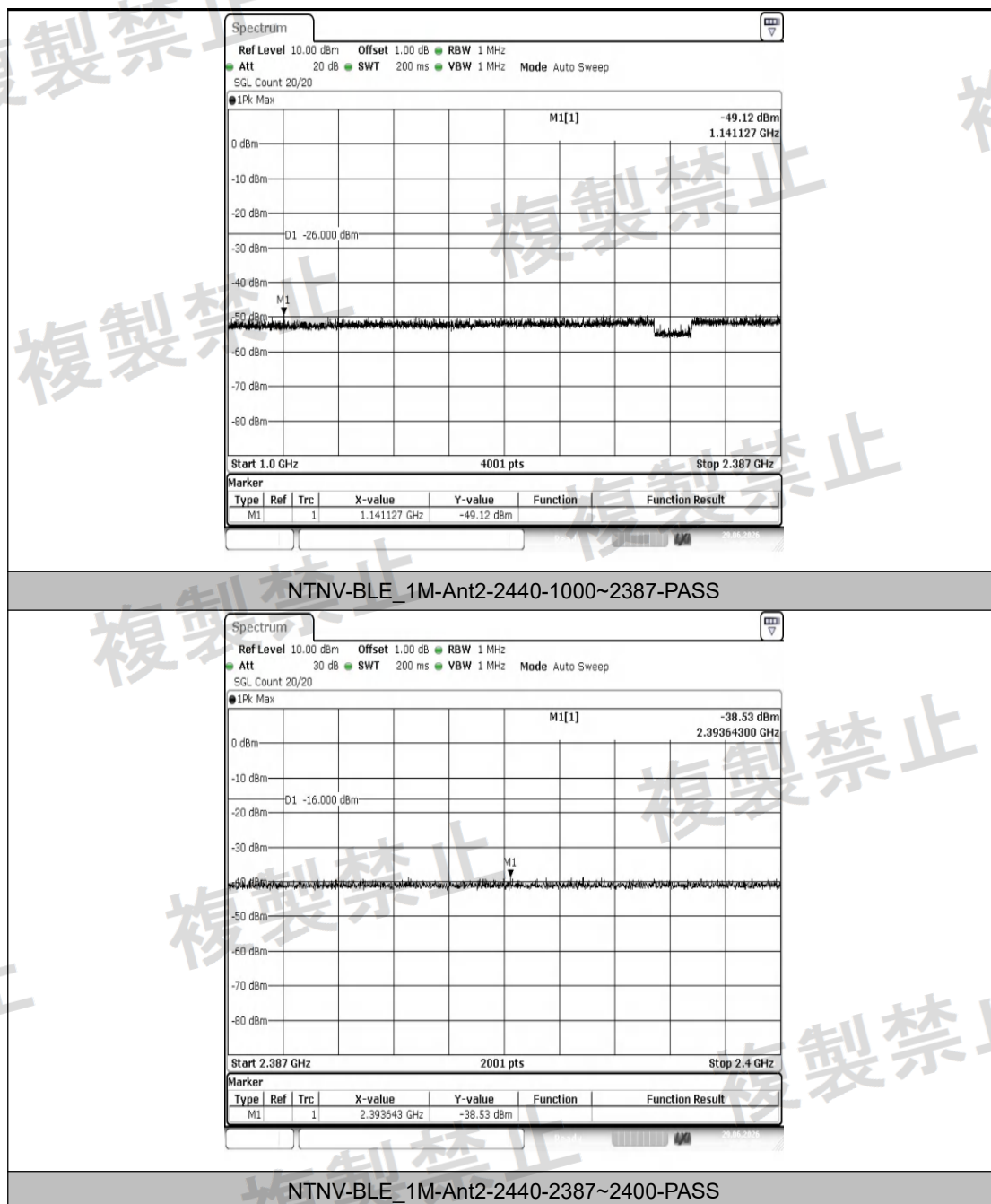


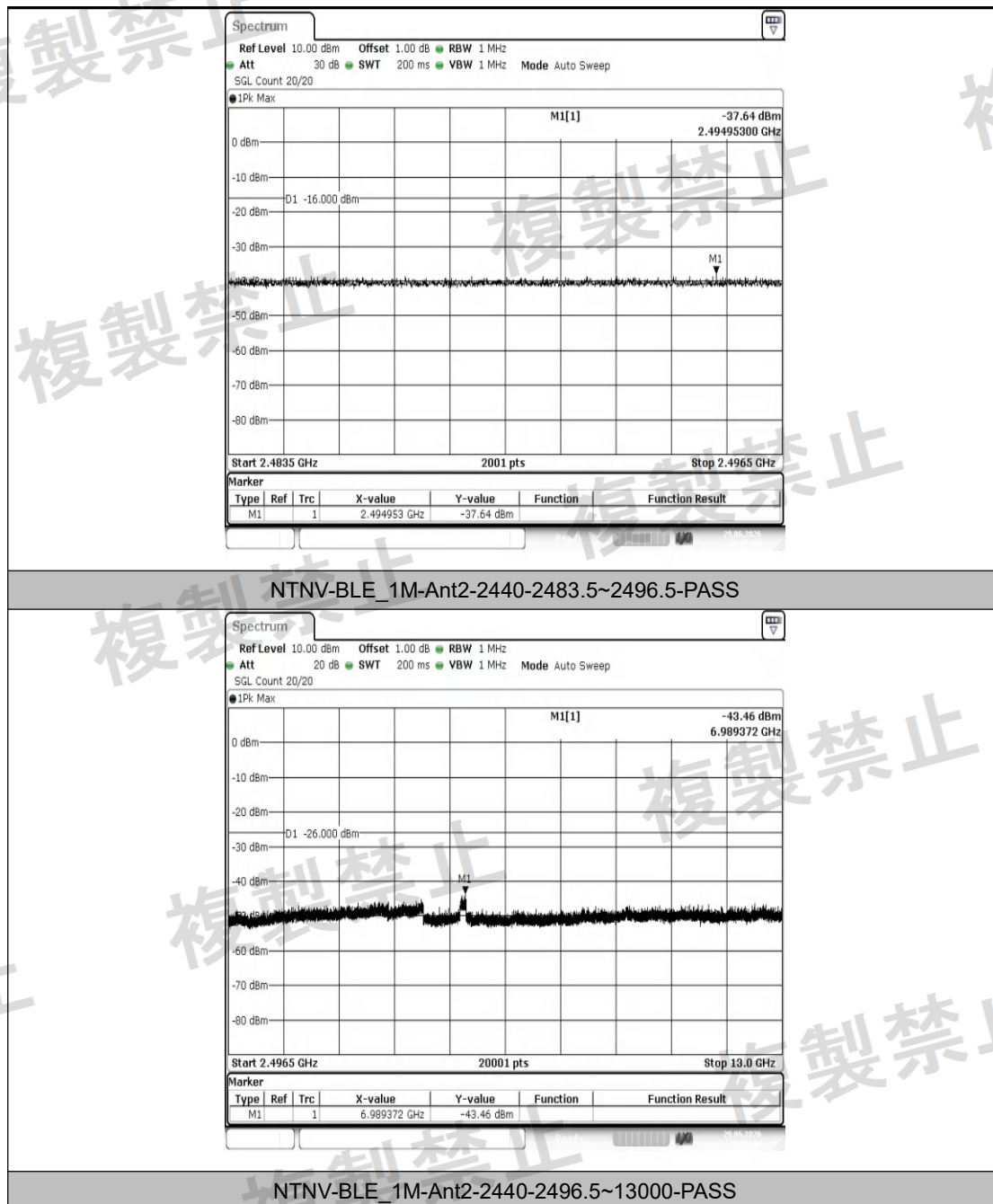
NTNV-BLE_1M-Ant2-2402-1000~2387-PASS

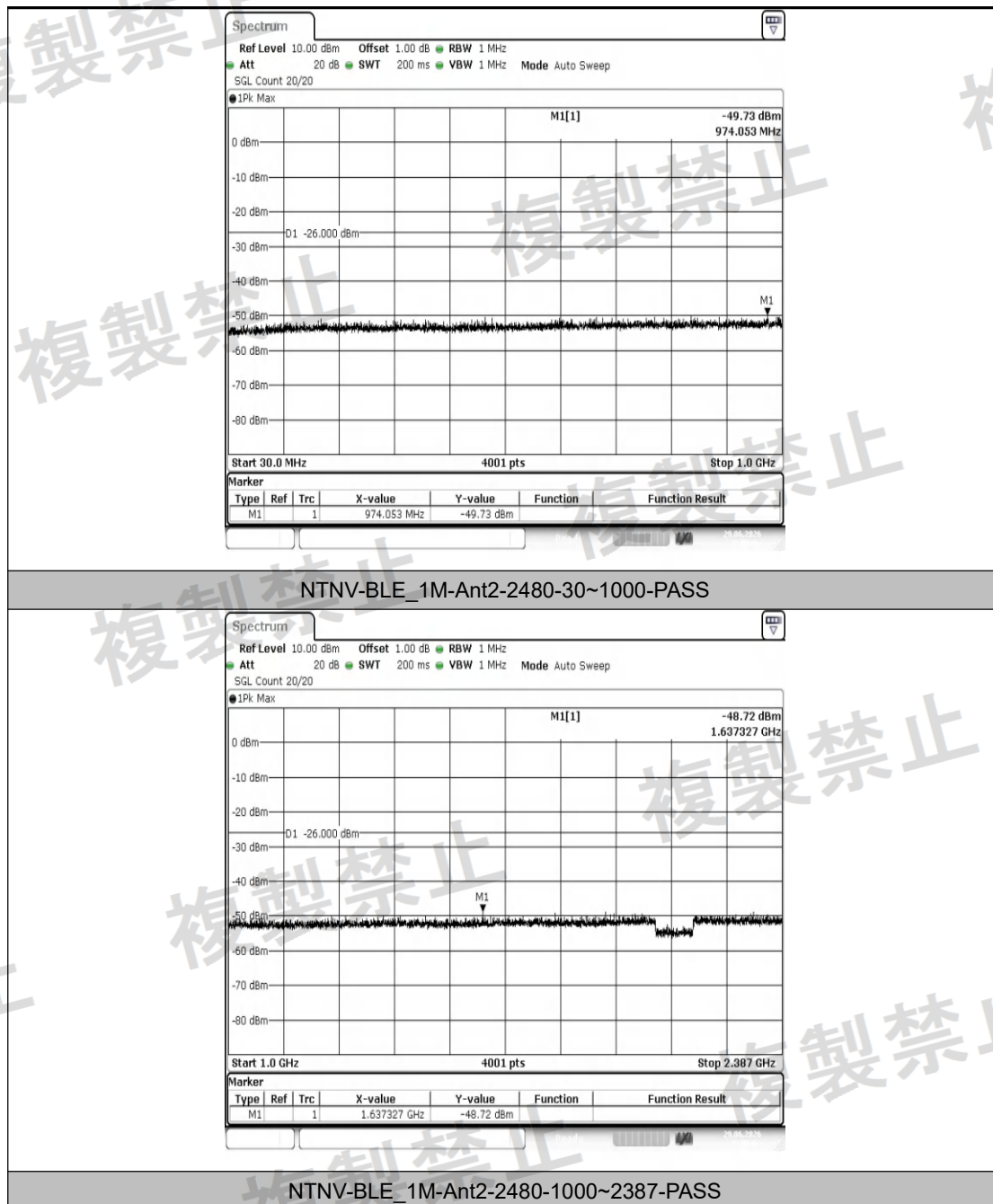


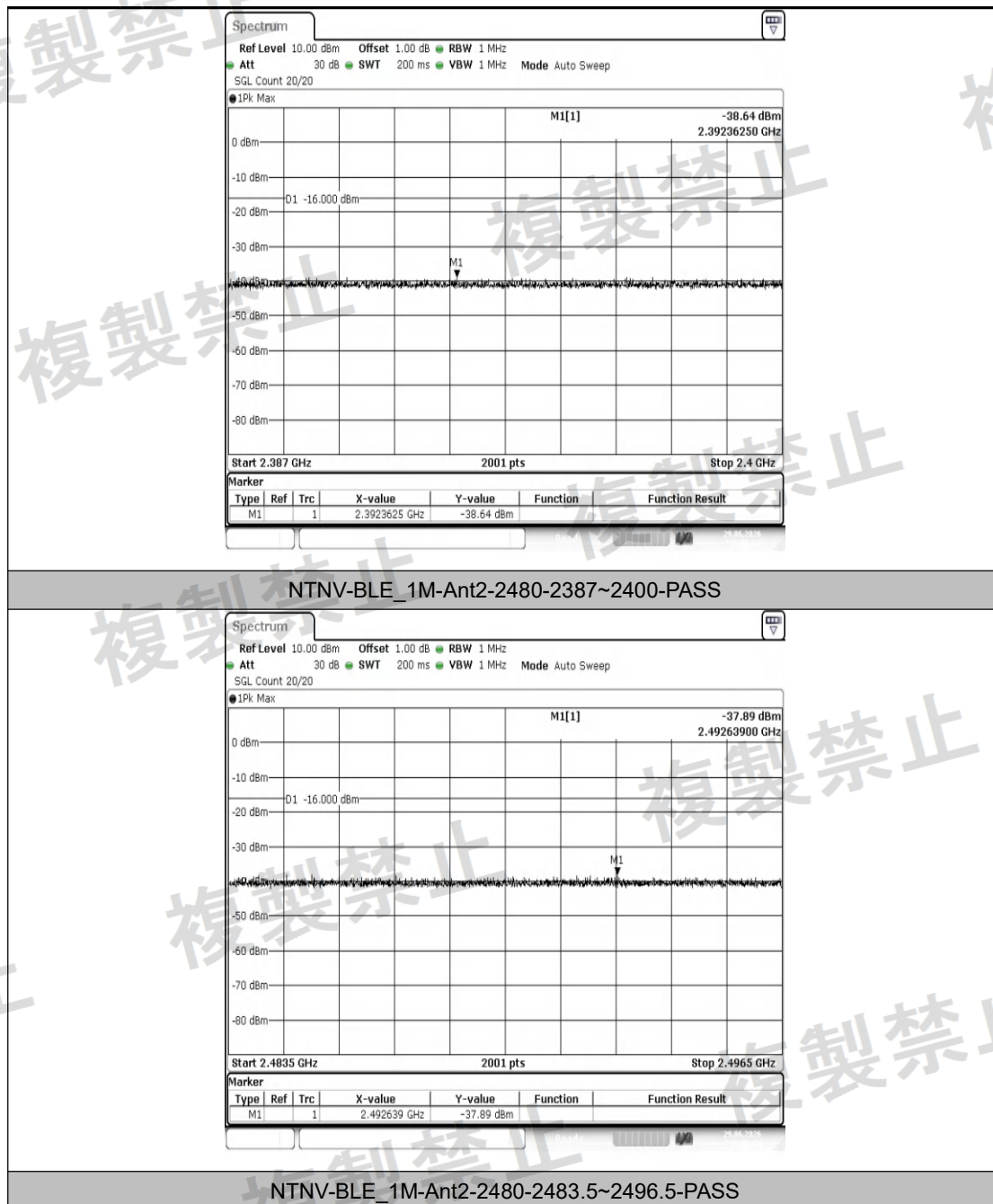


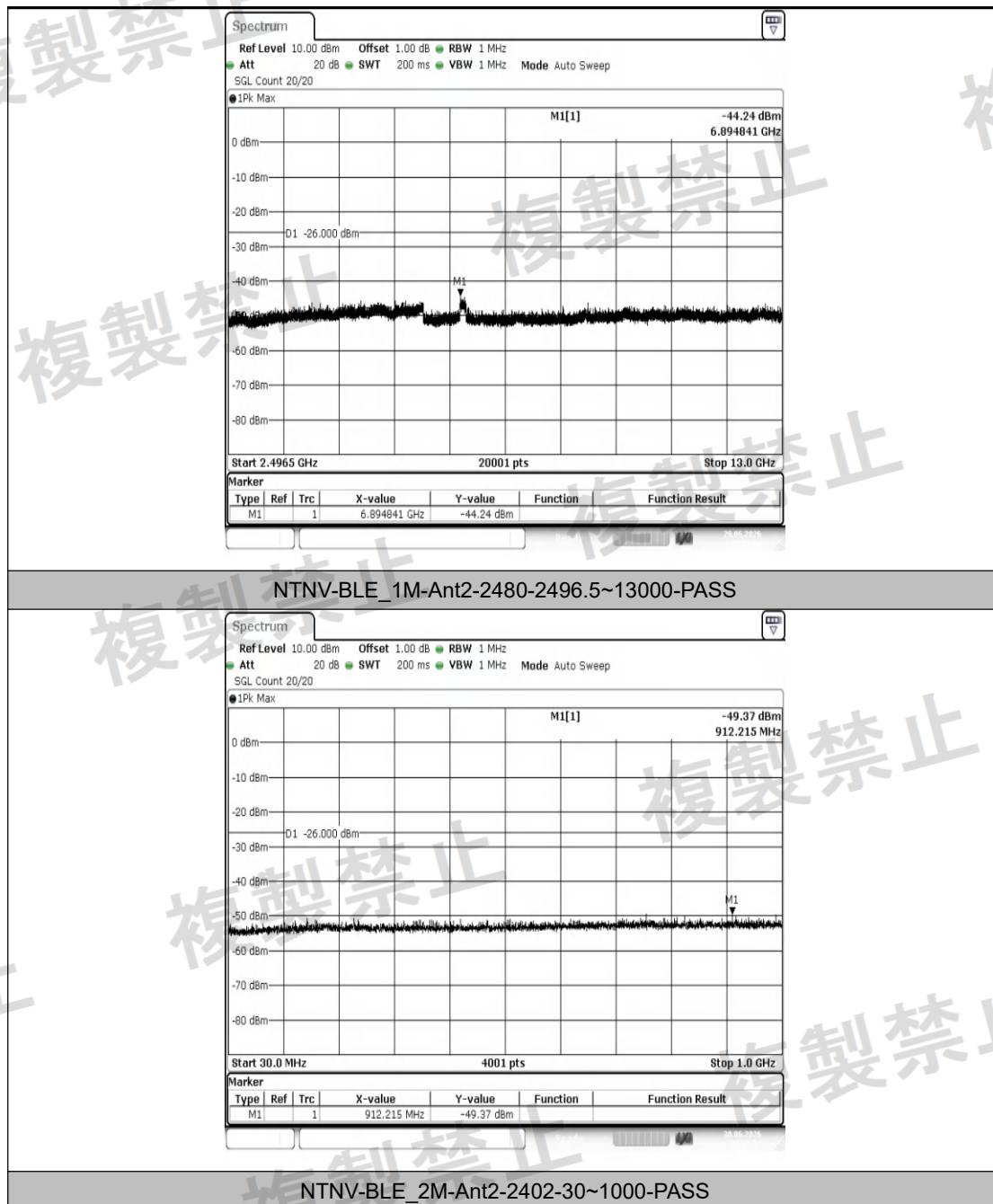


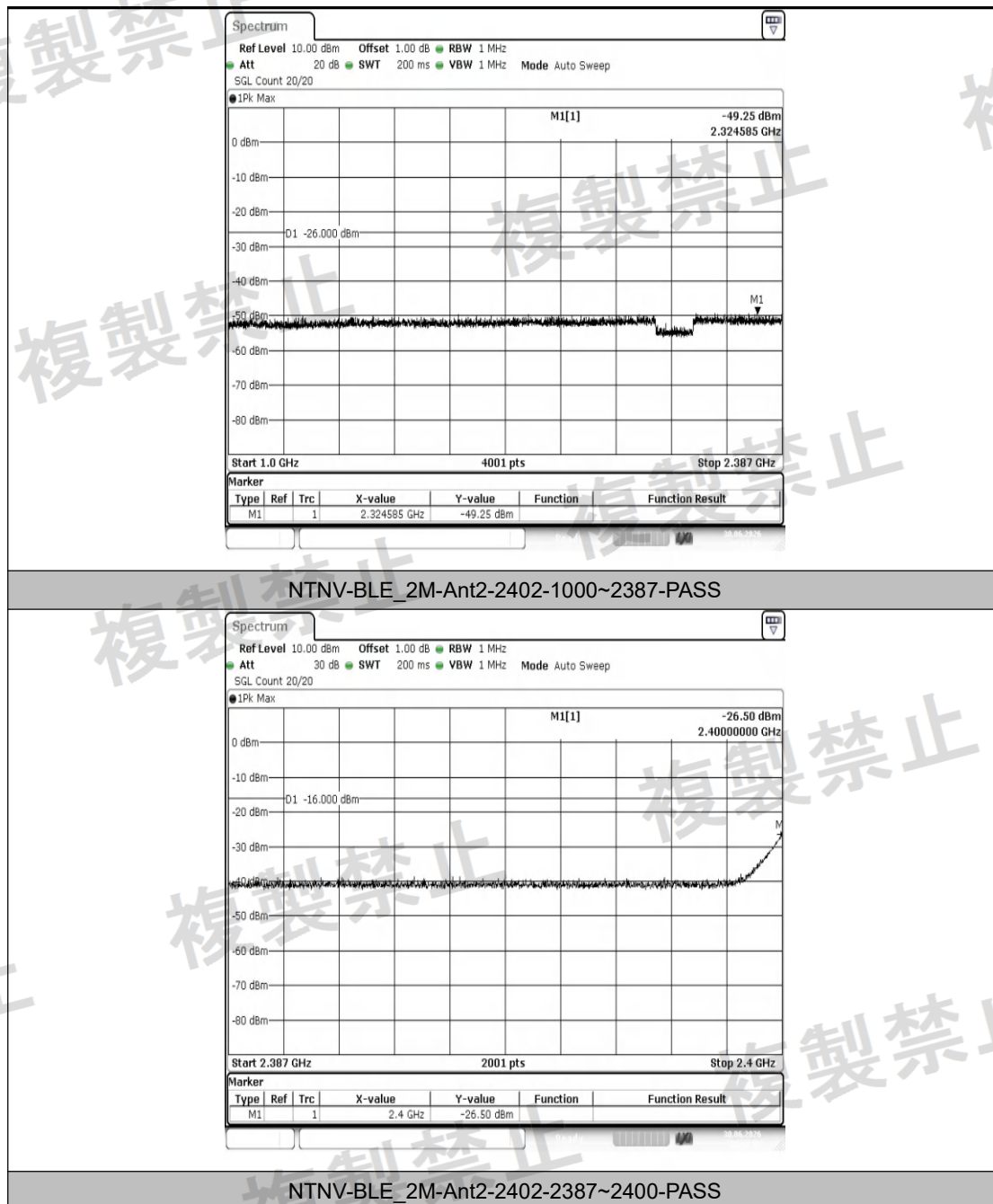


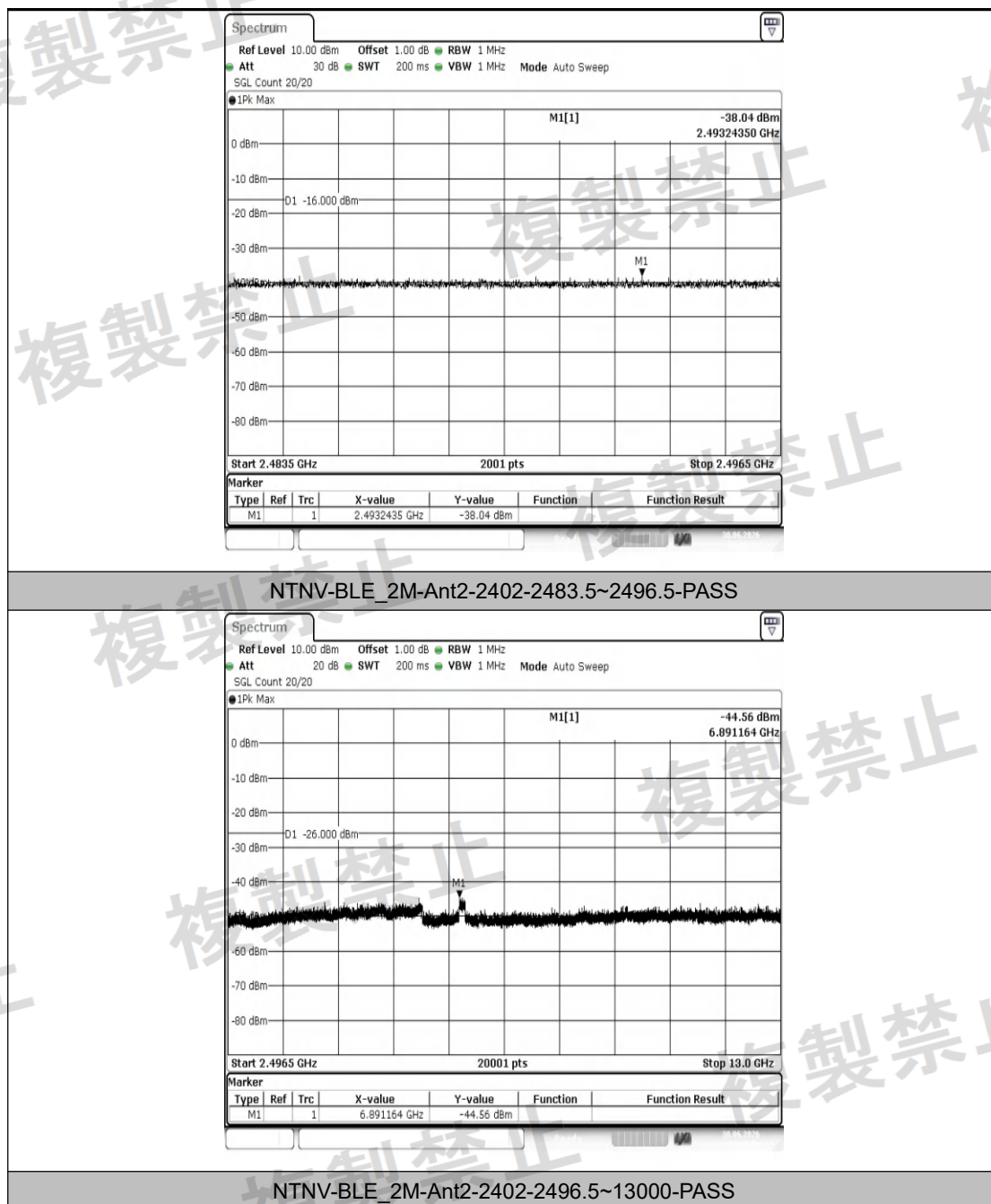


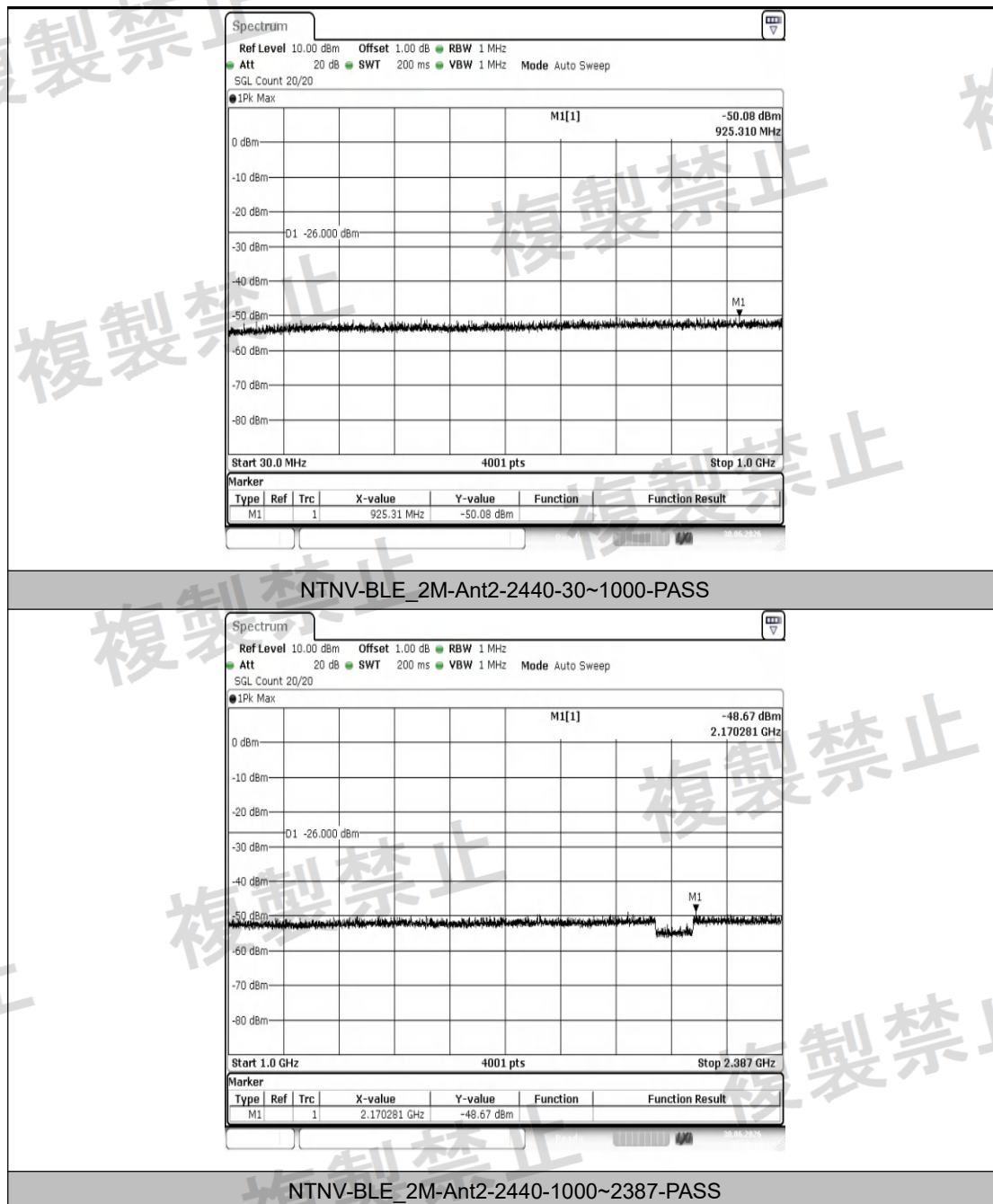


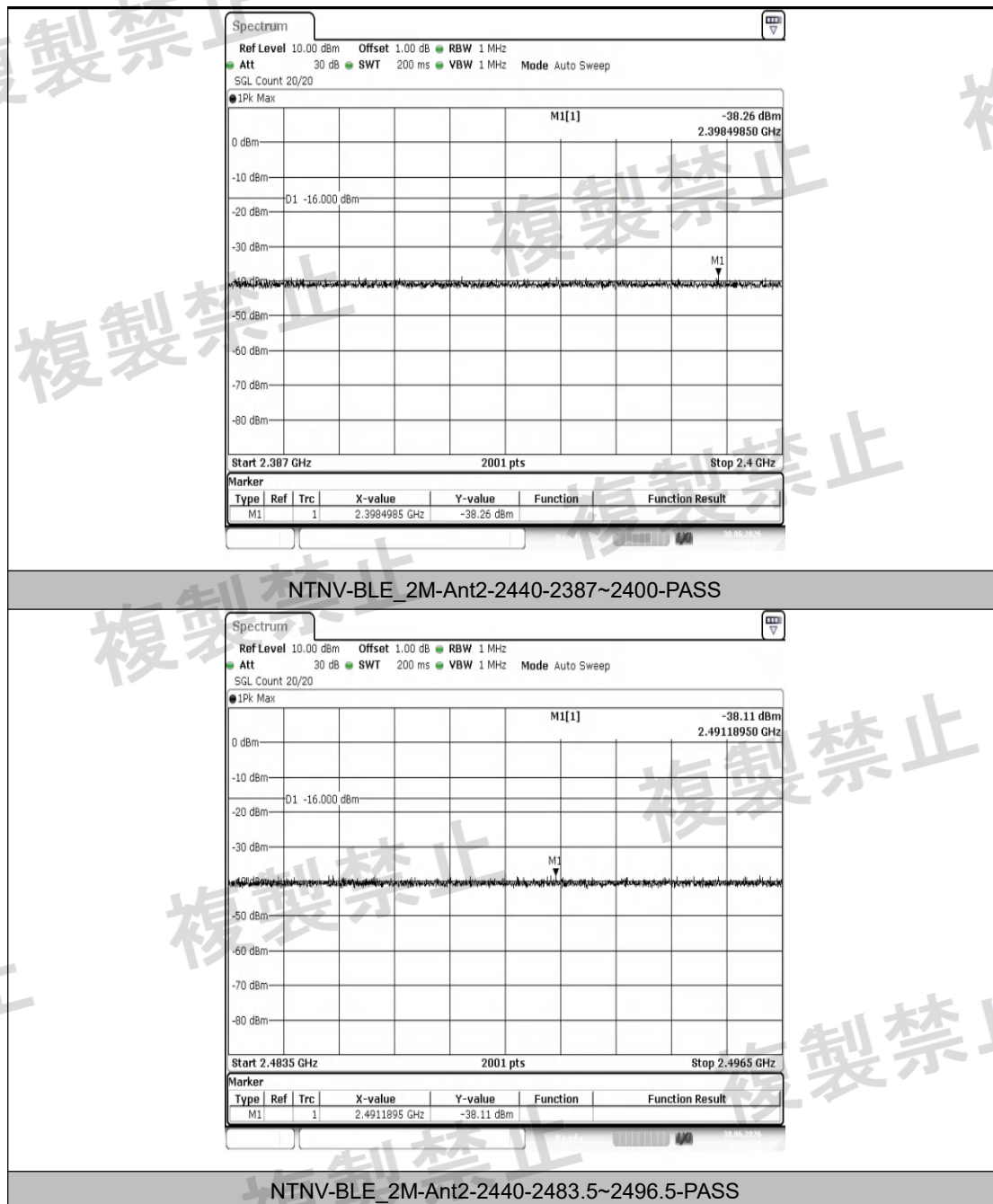


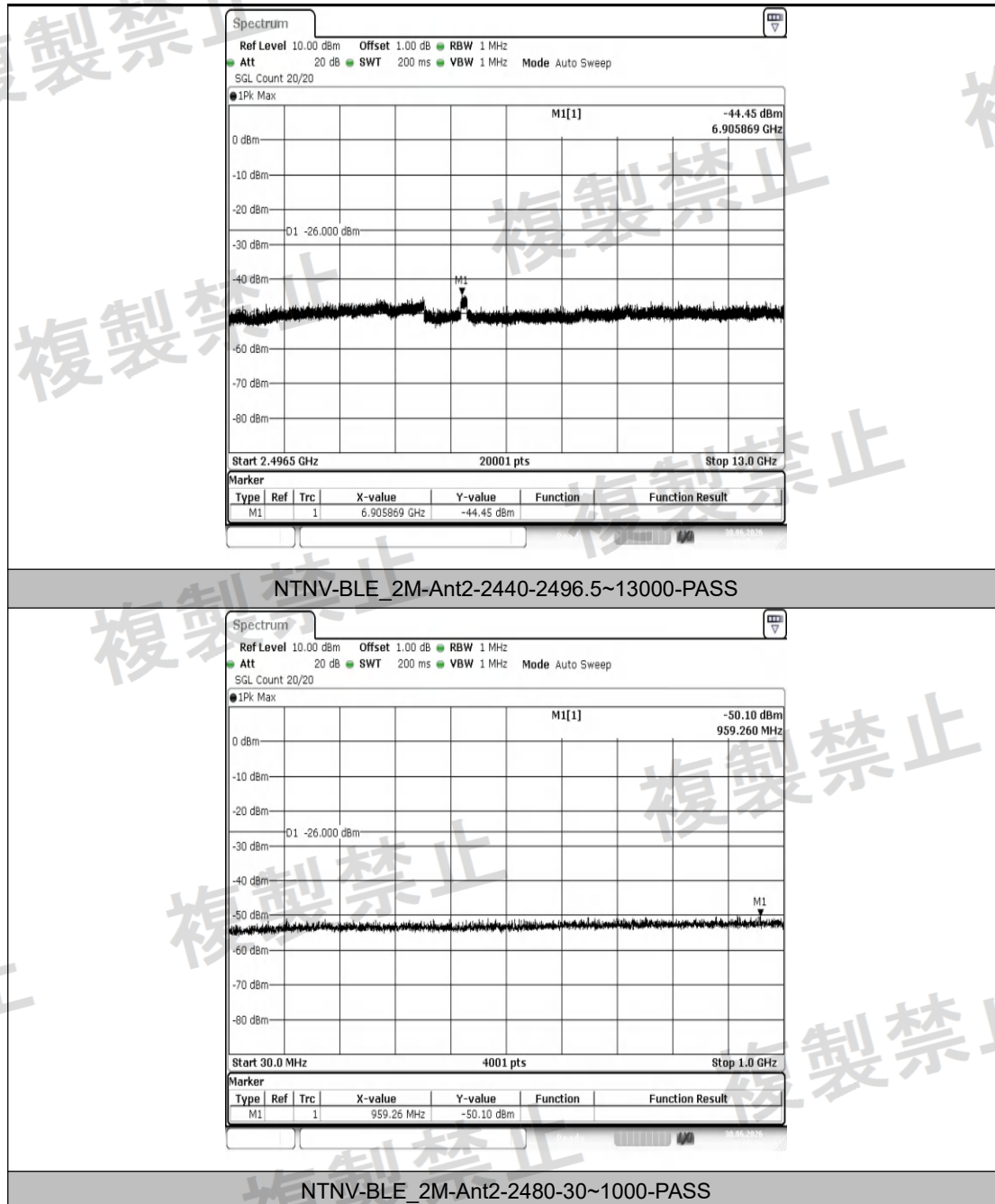


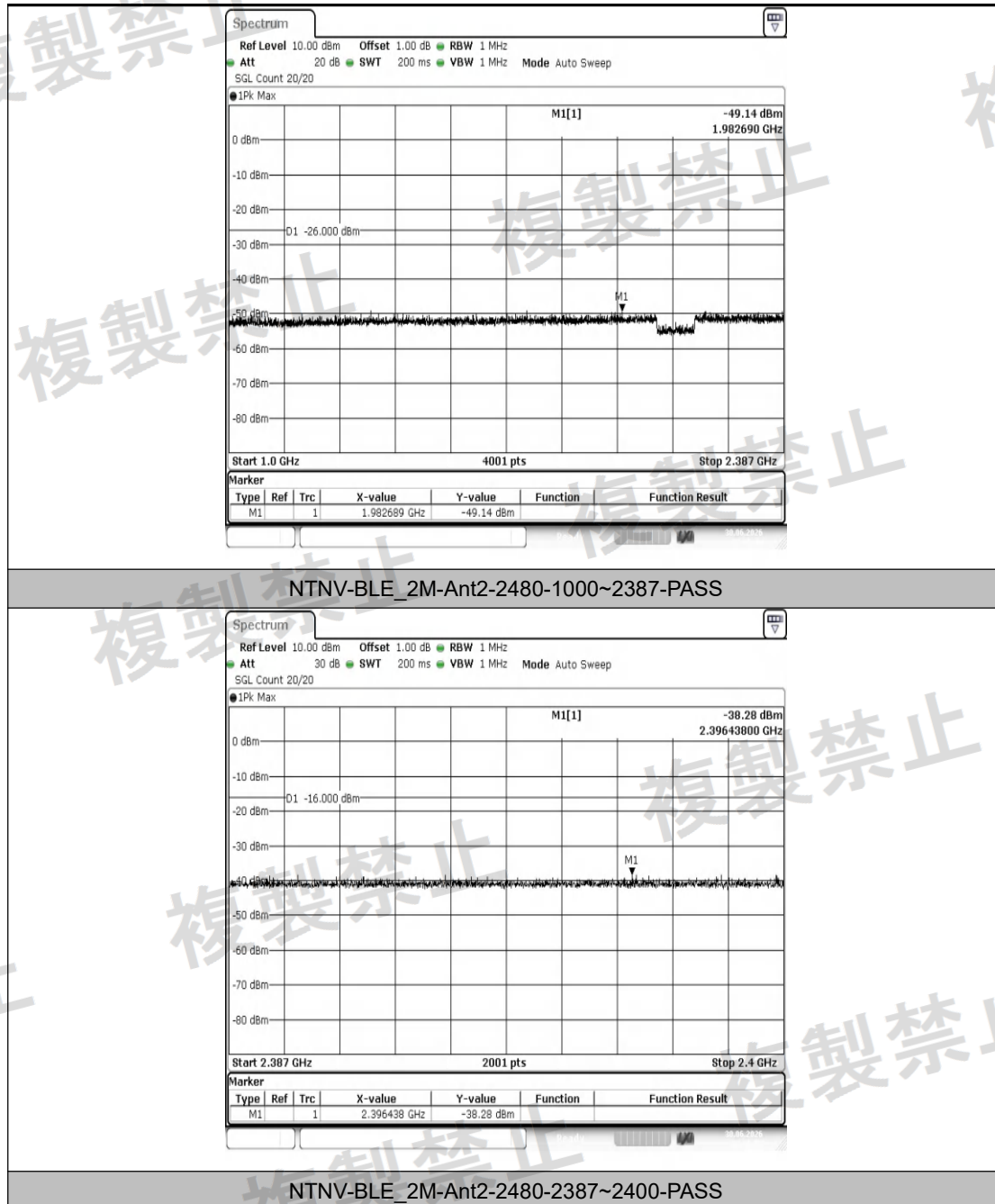


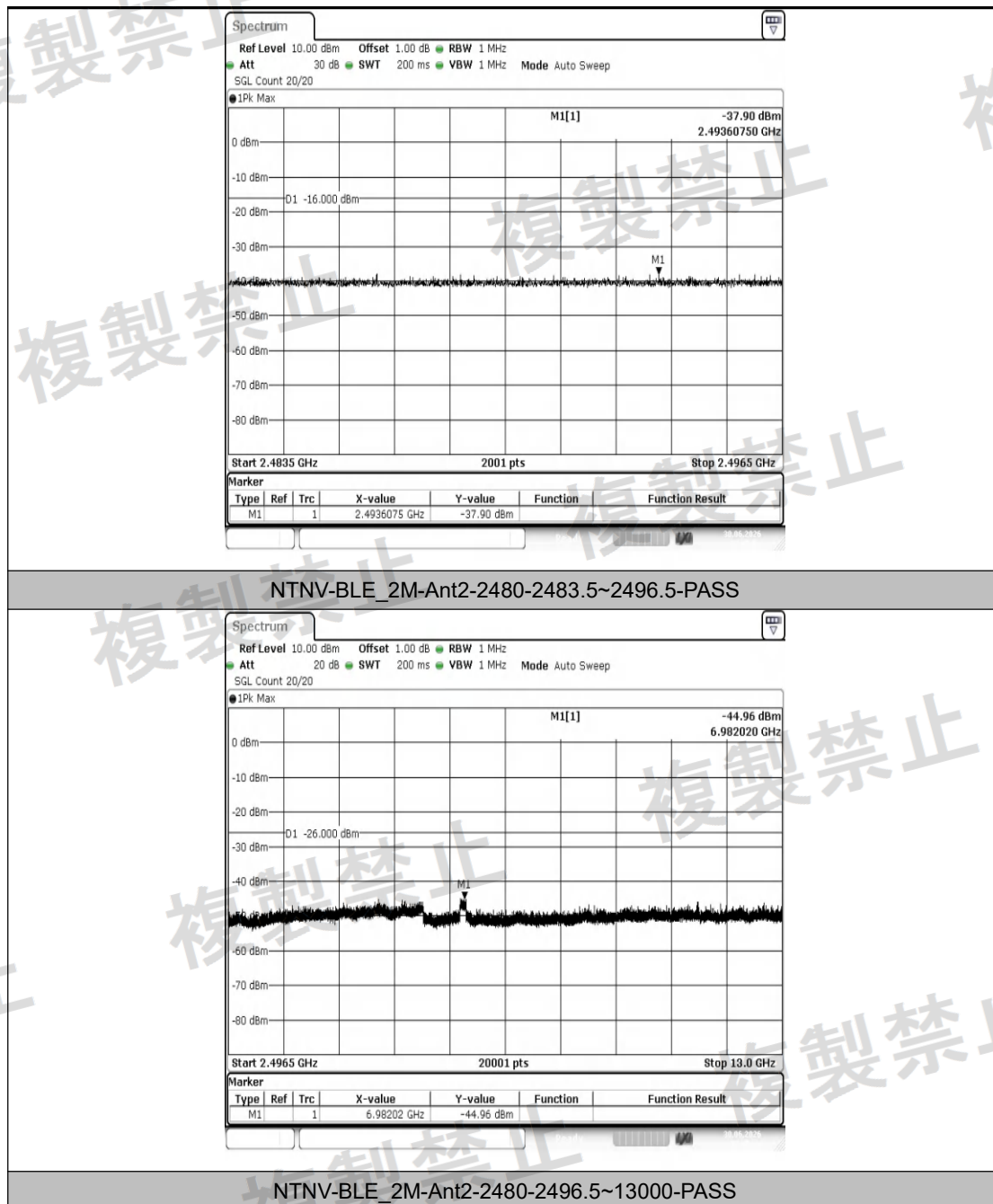










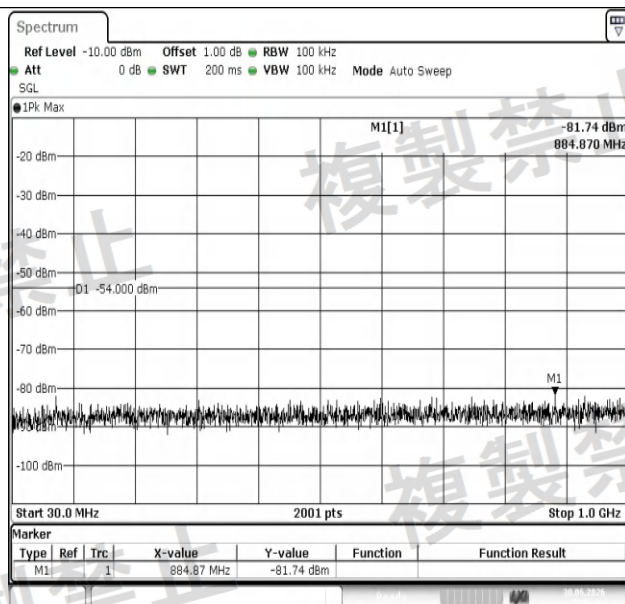


Appendix E: Spurious Emission of RX**Test Result**

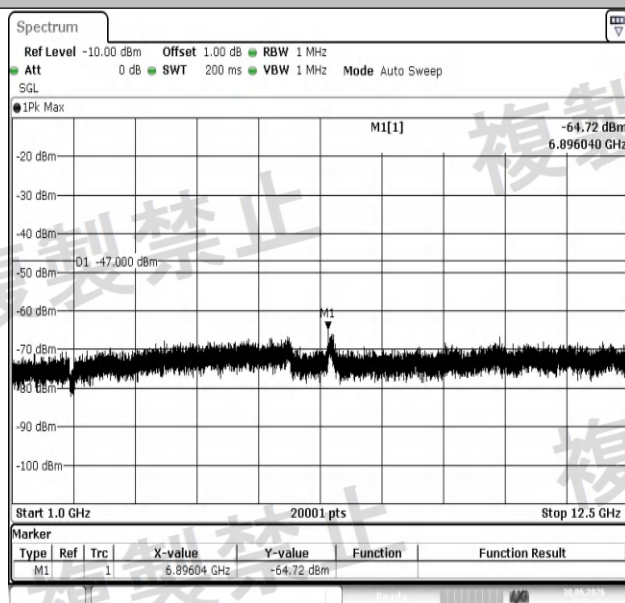
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant2	2402	30~1000	884.87	-81.74	≤-54	0.00670	≤4	PASS
NTNV	BLE_1M	Ant2	2402	1000~12500	6896.04	-64.72	≤-47	0.33729	≤20	PASS
NTNV	BLE_1M	Ant2	2440	30~1000	479.13	-82.01	≤-54	0.00630	≤4	PASS
NTNV	BLE_1M	Ant2	2440	1000~12500	6126.16	-65.95	≤-47	0.25410	≤20	PASS
NTNV	BLE_1M	Ant2	2480	30~1000	714.72	-82.04	≤-54	0.00625	≤4	PASS
NTNV	BLE_1M	Ant2	2480	1000~12500	6965.61	-65.82	≤-47	0.26182	≤20	PASS
NTNV	BLE_2M	Ant2	2402	30~1000	891.66	-81.45	≤-54	0.00716	≤4	PASS
NTNV	BLE_2M	Ant2	2402	1000~12500	5348.80	-66.08	≤-47	0.24660	≤20	PASS
NTNV	BLE_2M	Ant2	2440	30~1000	791.31	-81.80	≤-54	0.00661	≤4	PASS
NTNV	BLE_2M	Ant2	2440	1000~12500	6967.34	-65.32	≤-47	0.29376	≤20	PASS
NTNV	BLE_2M	Ant2	2480	30~1000	812.16	-81.87	≤-54	0.00650	≤4	PASS
NTNV	BLE_2M	Ant2	2480	1000~12500	6141.68	-65.64	≤-47	0.27290	≤20	PASS



Test Graphs

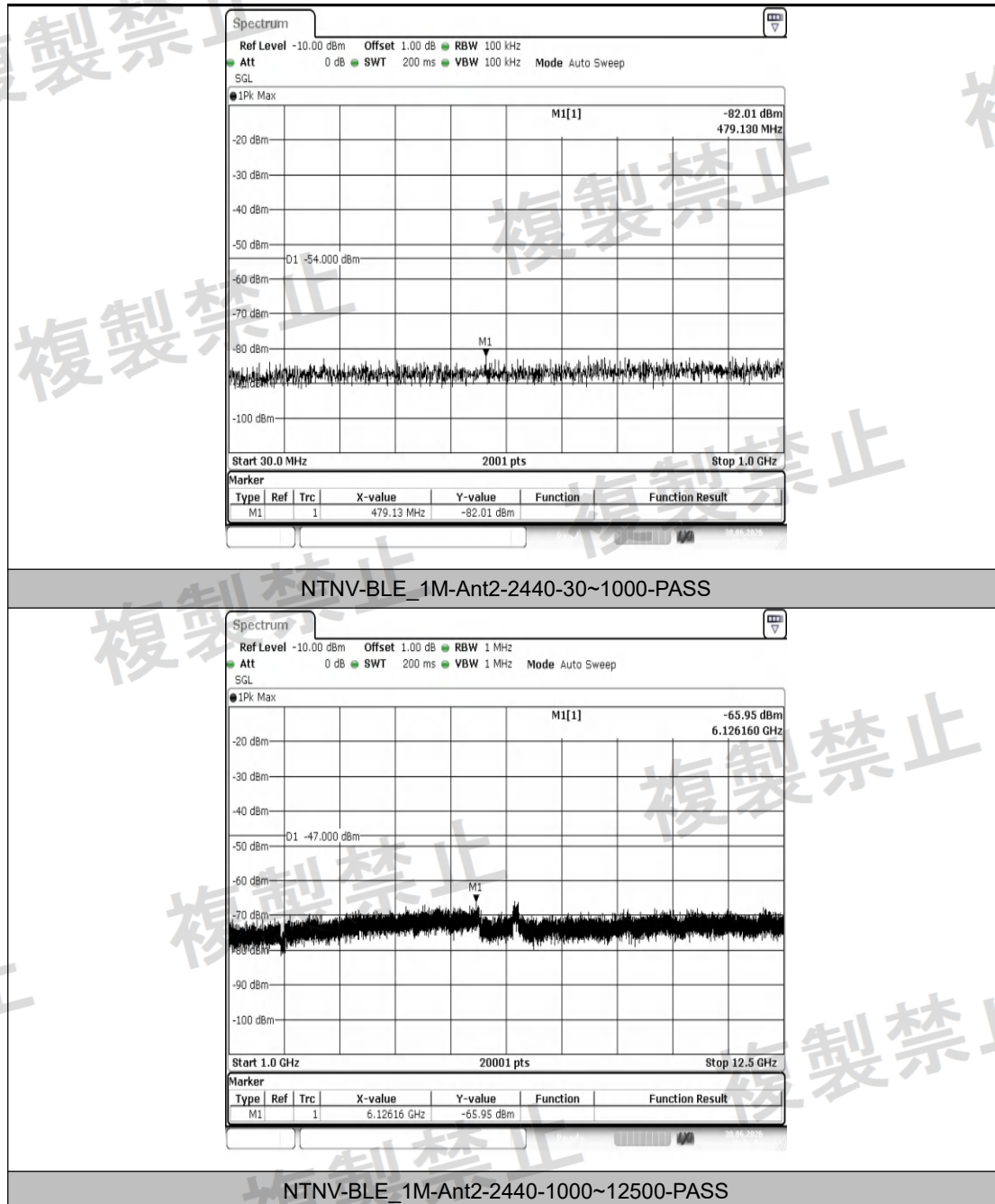


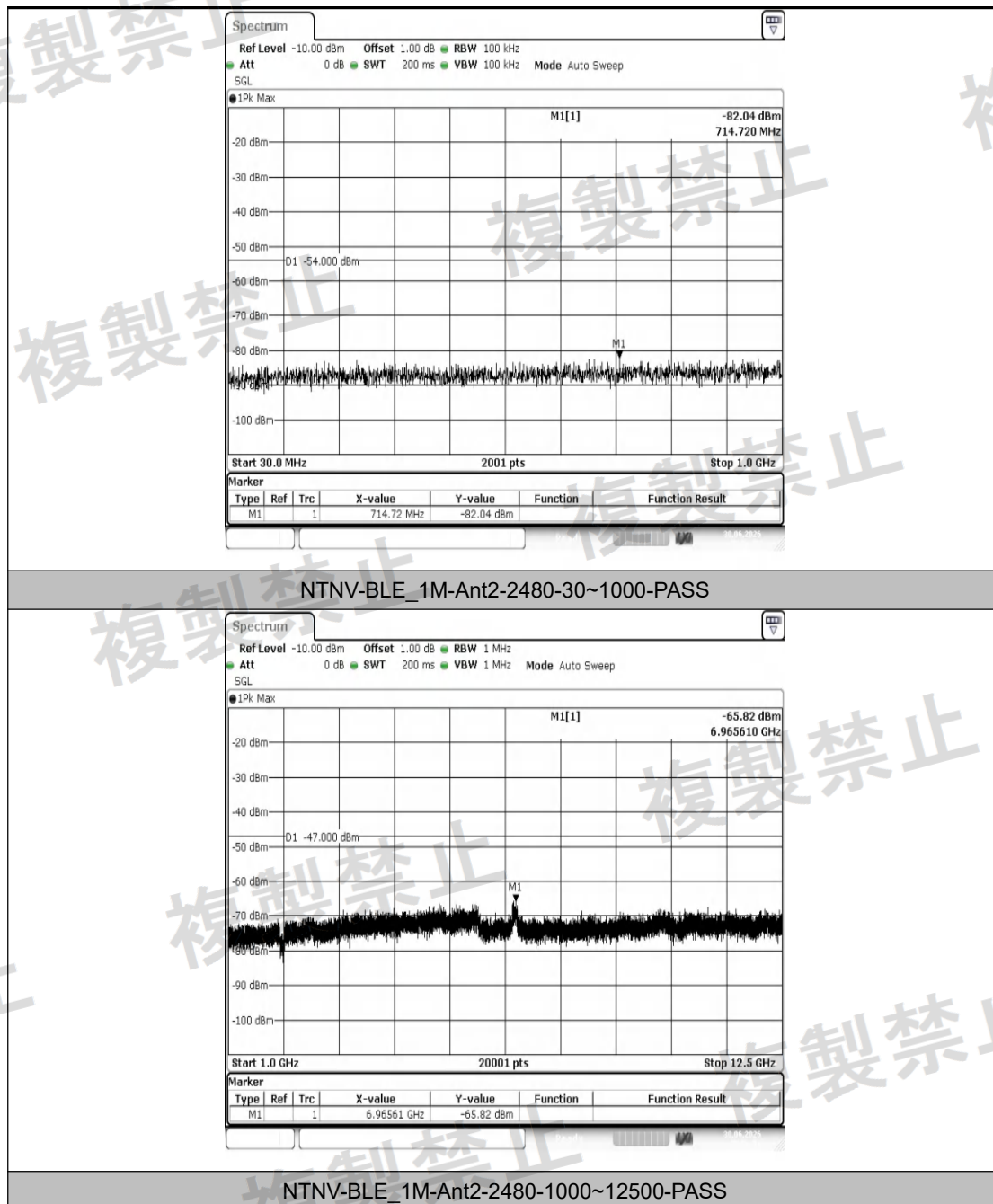
NTNV-BLE_1M-Ant2-2402-30~1000-PASS

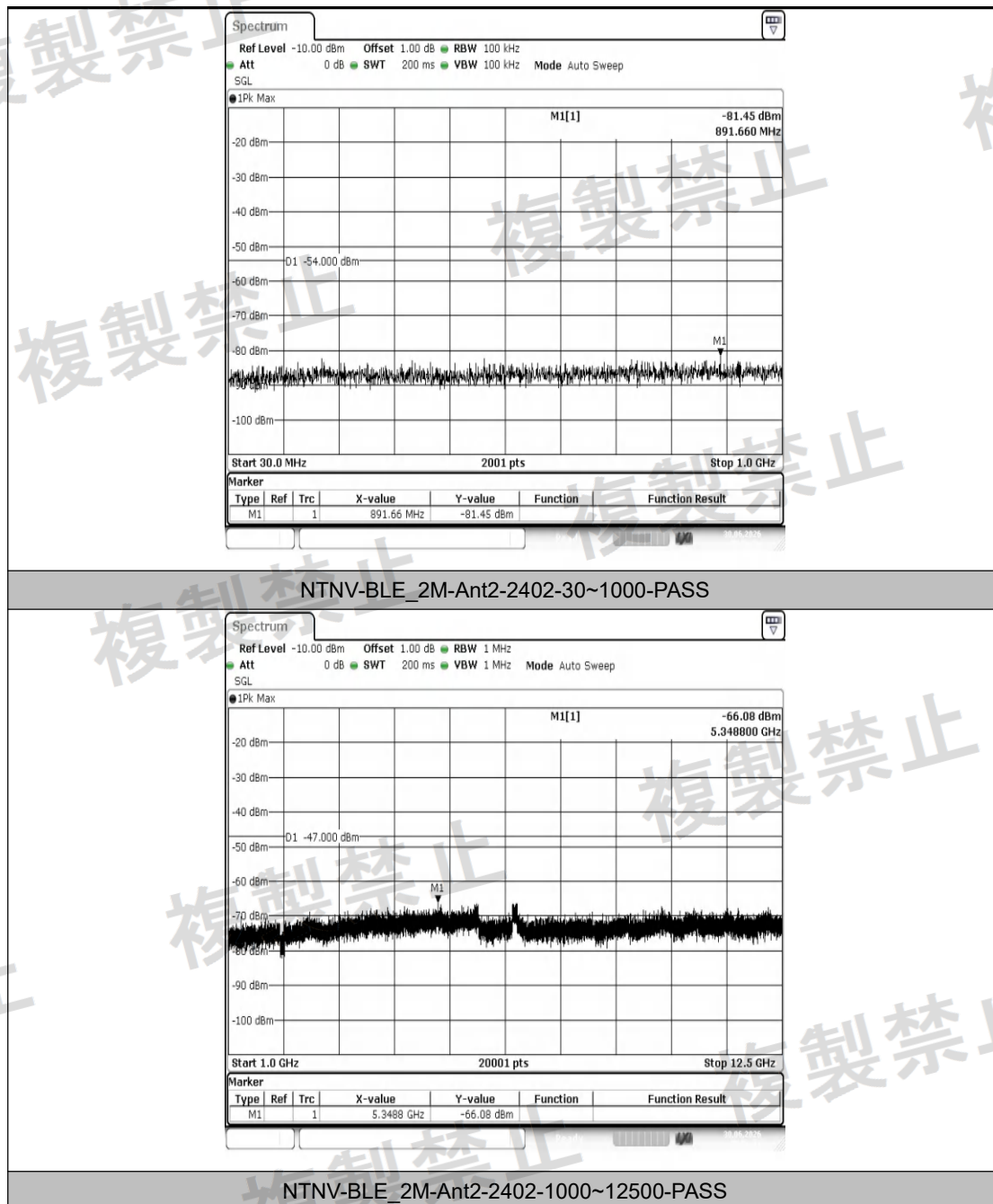


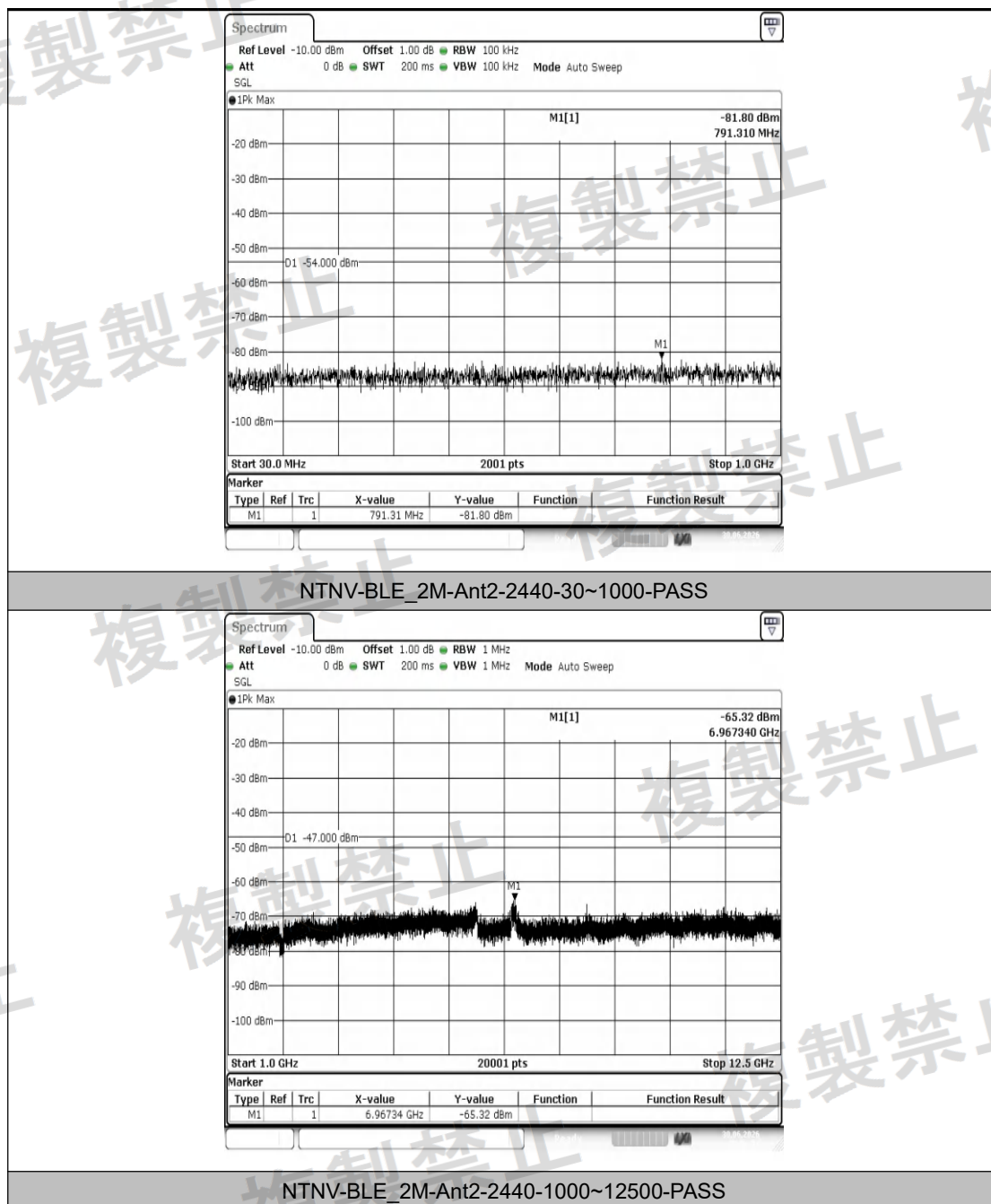
NTNV-BLE_1M-Ant2-2402-1000~12500-PASS

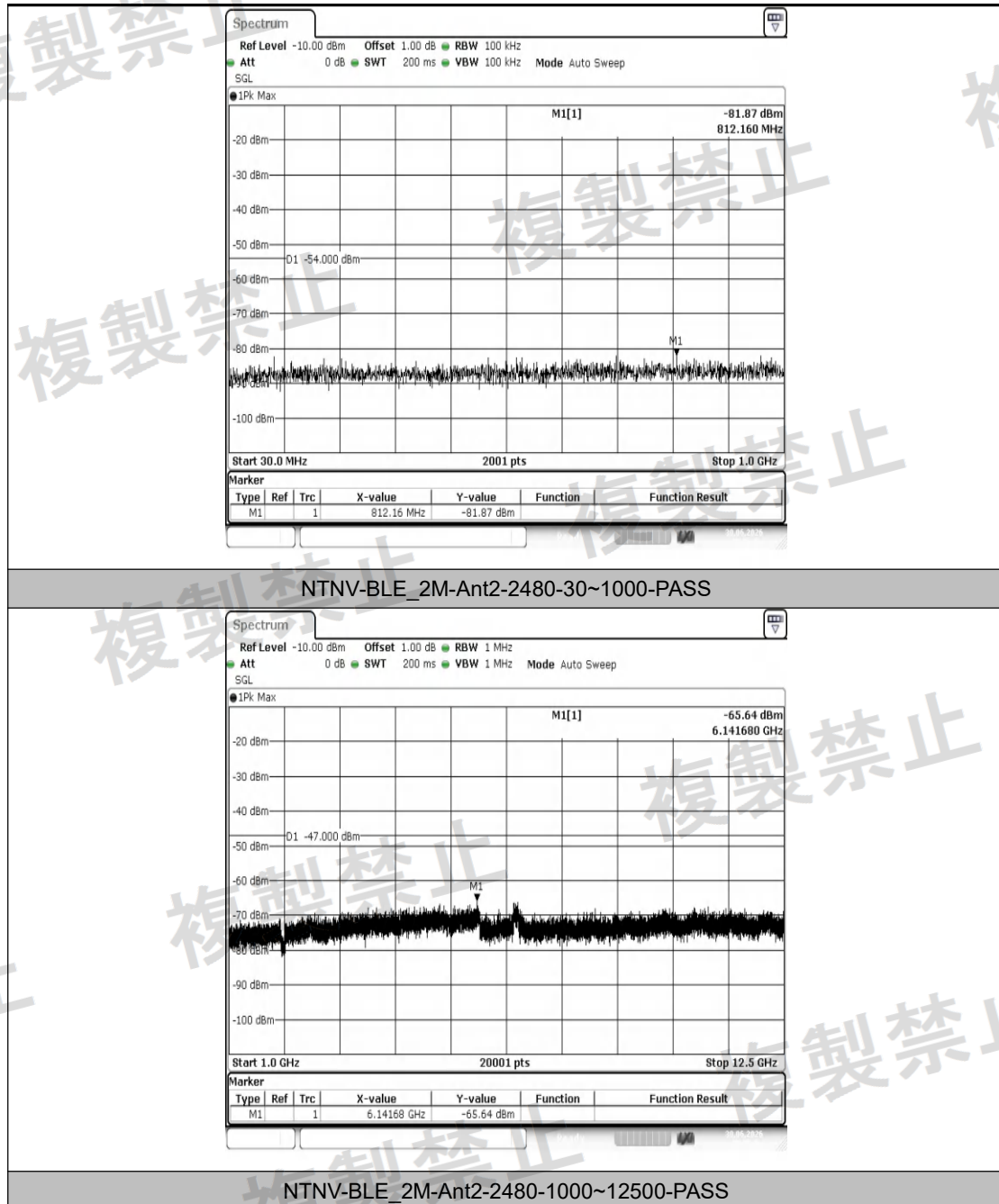












---End---

