

Appendix Test Data

Report No.:	1812C60258512502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-11	Finish Test Date:	2026-5-19
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	24.1℃	Relative Humidity:	53.1%
Pressure:	101kPa		

Appendix A: Frequency Error

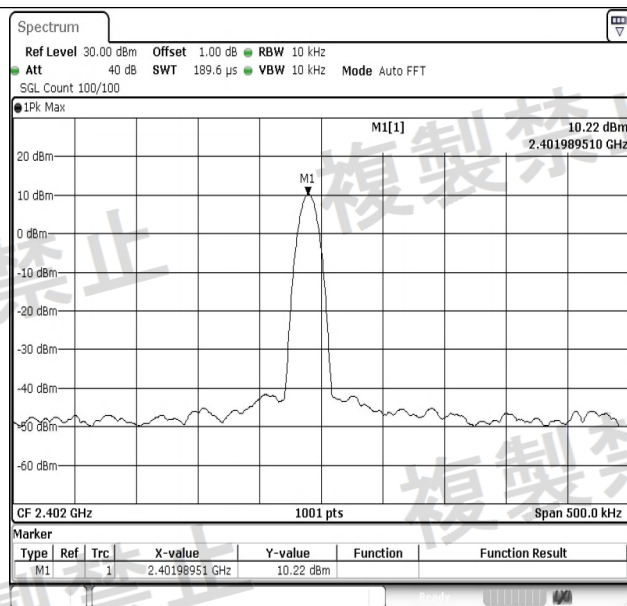
Test Result

Test Condition	Test Mode	Antenna	Freq.[MHz]	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2401.98951	-4.36719	±50	PASS
NTNV	CW	Ant1	2440	2439.99001	-4.09426	±50	PASS
NTNV	CW	Ant1	2480	2479.98951	-4.22984	±50	PASS

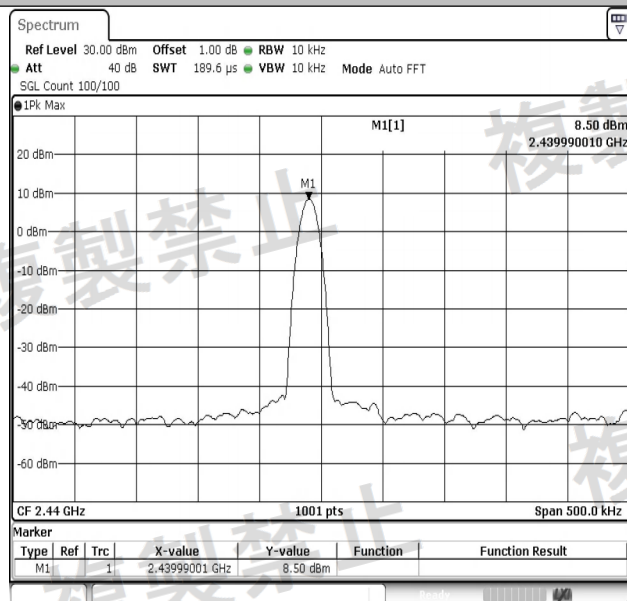
Note: Result[ppm]= (Center Freq[MHz] -Freq.[MHz])/Freq.[MHz]*1000000



Test Graphs

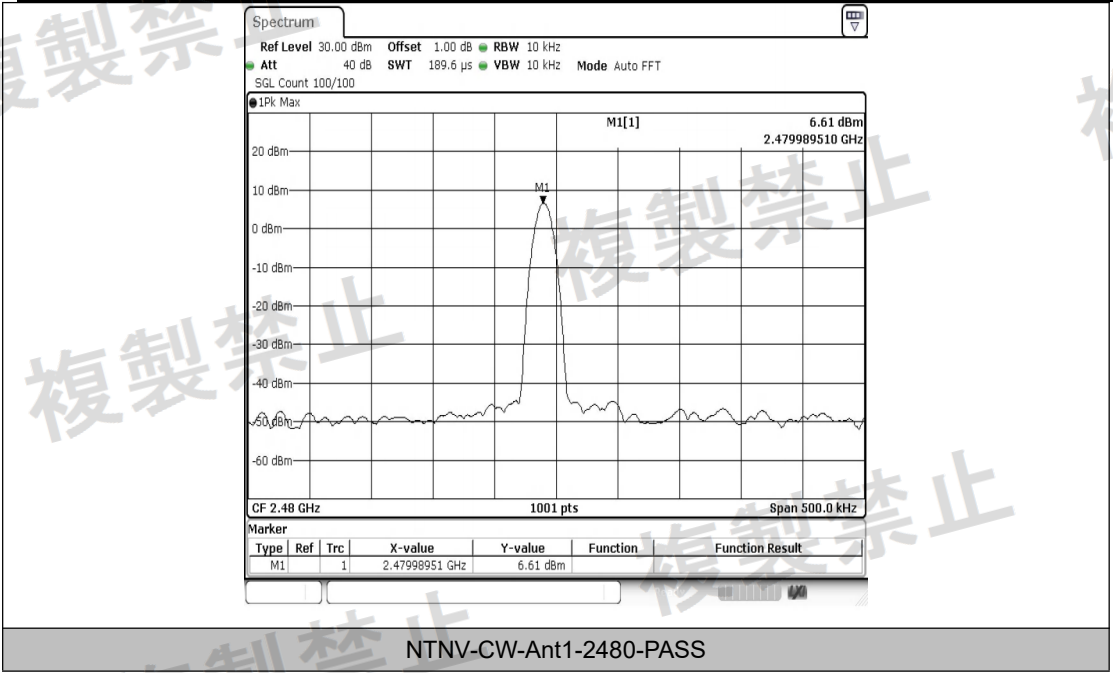


NTNV-CW-Ant1-2402-PASS



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	0.25	1.0592	≤10	PASS
NTNV	BLE_1M	Ant1	2440	-1.23	0.7533	≤10	PASS
NTNV	BLE_1M	Ant1	2480	-3.19	0.4797	≤10	PASS
NTNV	BLE_2M	Ant1	2402	0.17	1.0399	≤10	PASS
NTNV	BLE_2M	Ant1	2440	-1.35	0.7328	≤10	PASS
NTNV	BLE_2M	Ant1	2480	-3.23	0.4753	≤10	PASS

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

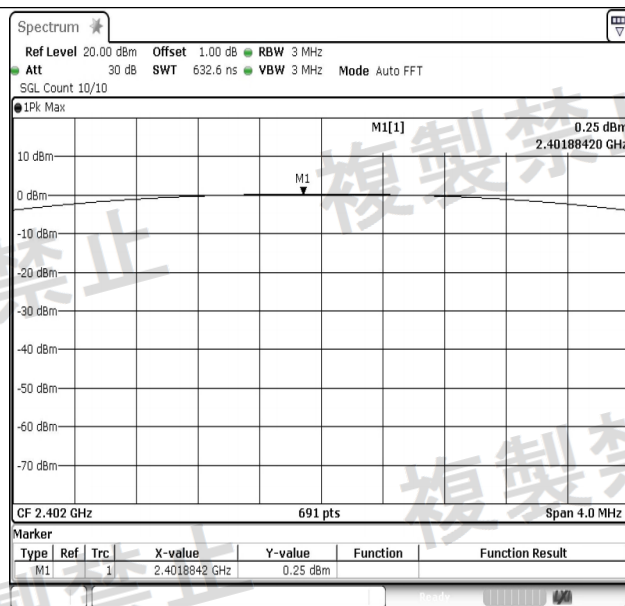
Test Condition	Test Mode	Antenna	Freq. [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit(%)	Verdict
NTNV	CW	Ant1	2402	1.0592	1	5.92	+20	PASS
NTNV	BLE_1M	Ant1	2440	0.7533	1	-24.67	+20	PASS
NTNV	BLE_1M	Ant1	2480	0.4797	1	-52.03	+20	PASS
NTNV	BLE_2M	Ant1	2402	1.0399	1	3.99	+20	PASS
NTNV	BLE_2M	Ant1	2440	0.7328	1	-26.72	+20	PASS
NTNV	BLE_2M	Ant1	2480	0.4753	1	-52.47	+20	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Gain[dBi]	EIRP(dBm)	Limit(dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	0.25	2.55	2.8	≤12.14	PASS
NTNV	BLE_1M	Ant1	2440	-1.23	2.55	1.32	≤12.14	PASS
NTNV	BLE_1M	Ant1	2480	-3.19	2.55	-0.64	≤12.14	PASS
NTNV	BLE_2M	Ant1	2402	0.17	2.55	2.72	≤12.14	PASS
NTNV	BLE_2M	Ant1	2440	-1.35	2.55	1.2	≤12.14	PASS
NTNV	BLE_2M	Ant1	2480	-3.23	2.55	-0.68	≤12.14	PASS

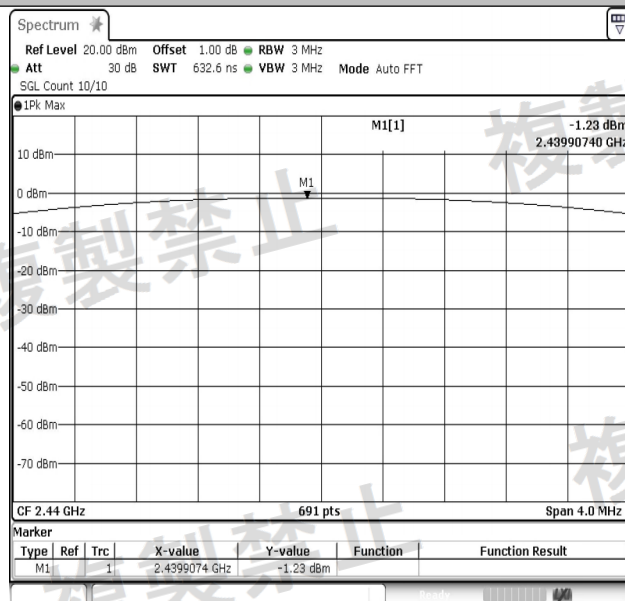
Note:EIRP[dBm]=Result[dBm]+Gain(dBi)



Test Graphs

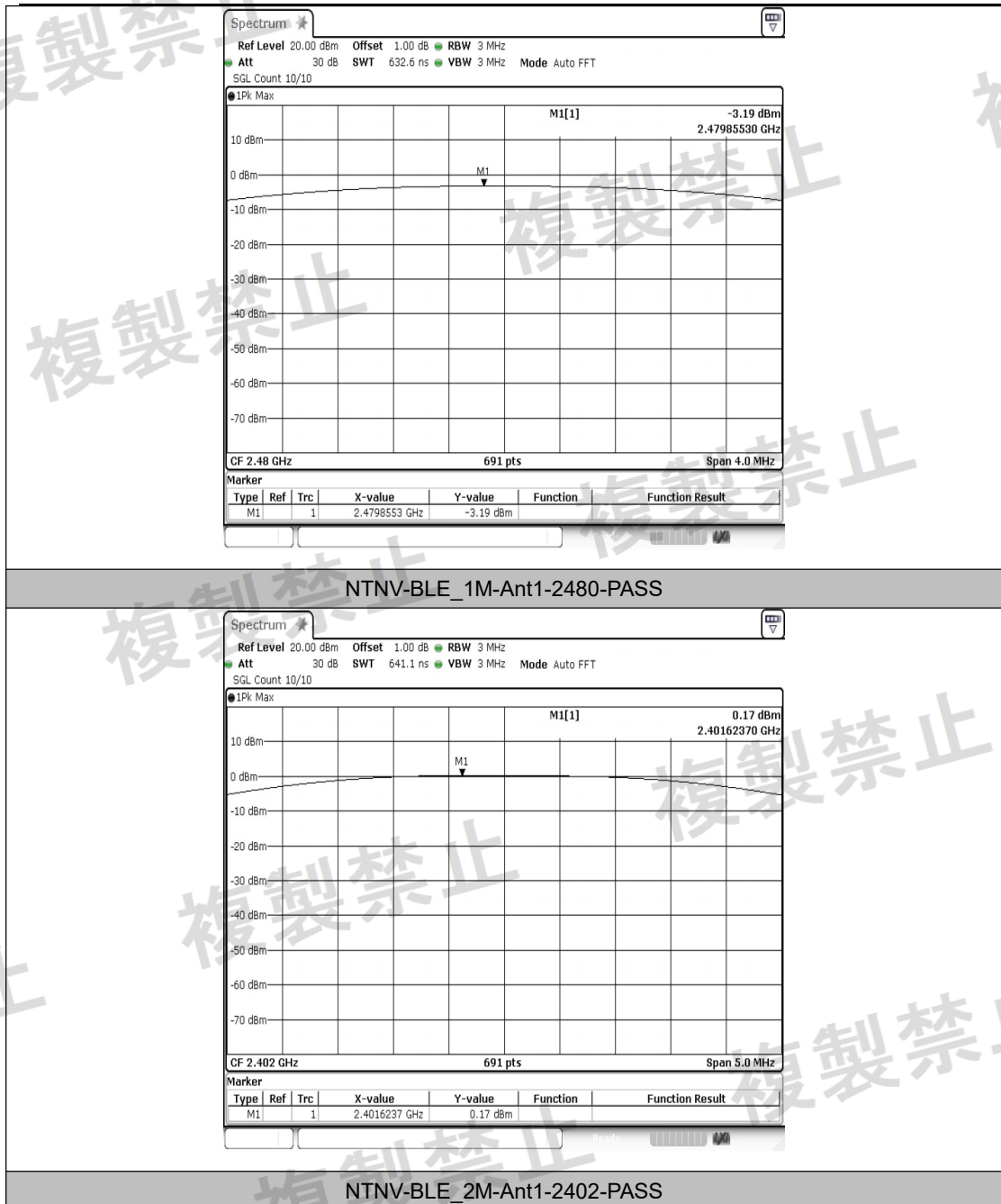


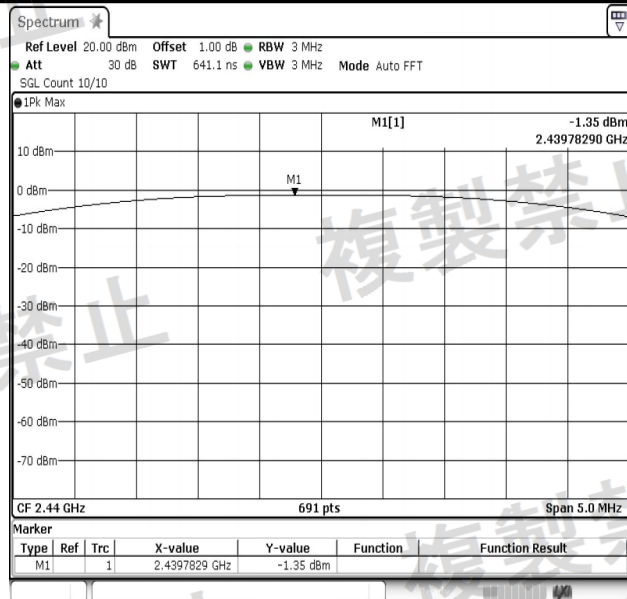
NTNV-BLE_1M-Ant1-2402-PASS



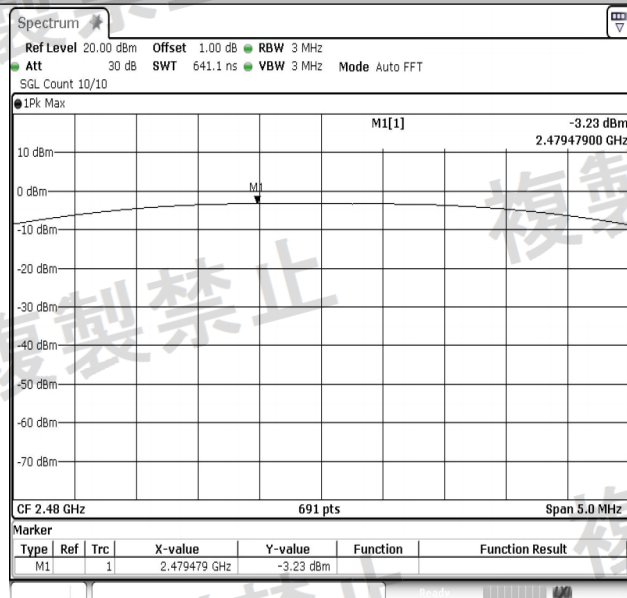
NTNV-BLE_1M-Ant1-2440-PASS







NTNV-BLE_2M-Ant1-2440-PASS



NTNV-BLE_2M-Ant1-2480-PASS



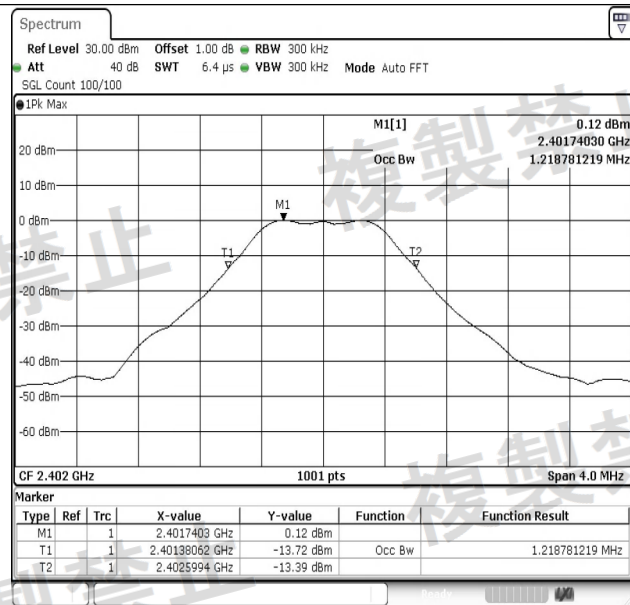
Appendix C: Occupied Bandwidth

Test Result

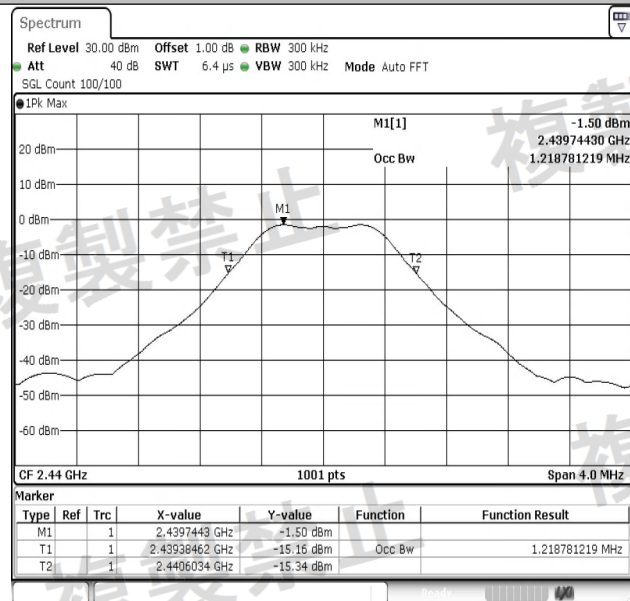
Test Condition	TestMode	Antenna	Freq.[MHz]	Result[MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.219	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.219	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.231	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.142	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.142	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.134	≤26	PASS



Test Graphs

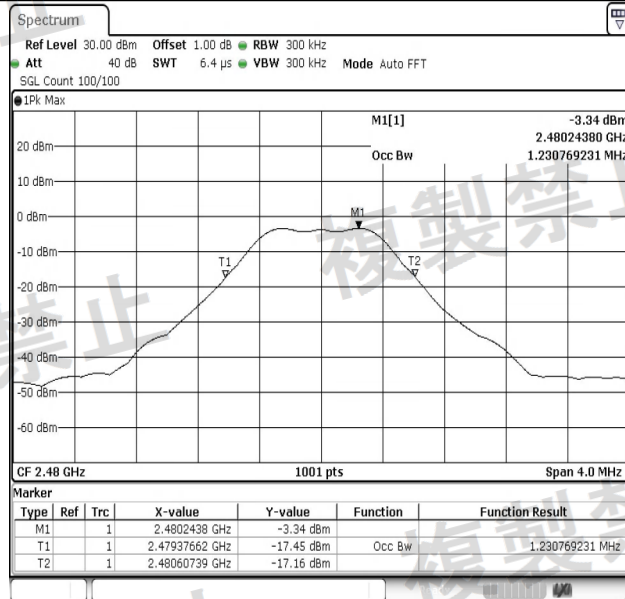


NTNV-BLE_1M-Ant1-2402-PASS

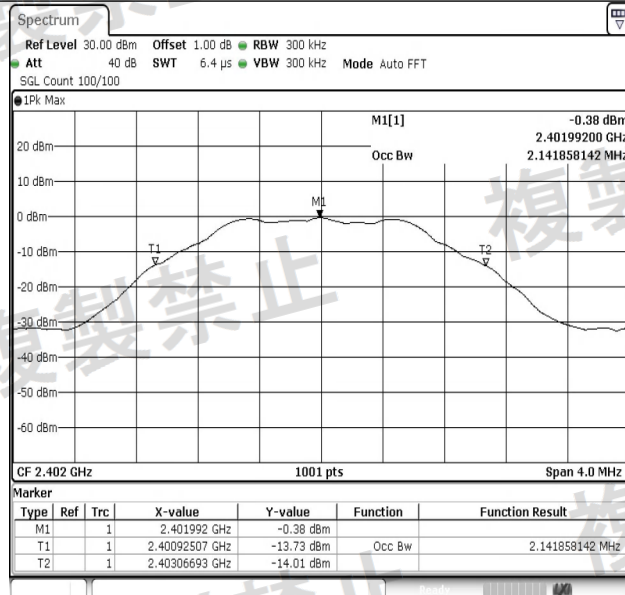


NTNV-BLE_1M-Ant1-2440-PASS



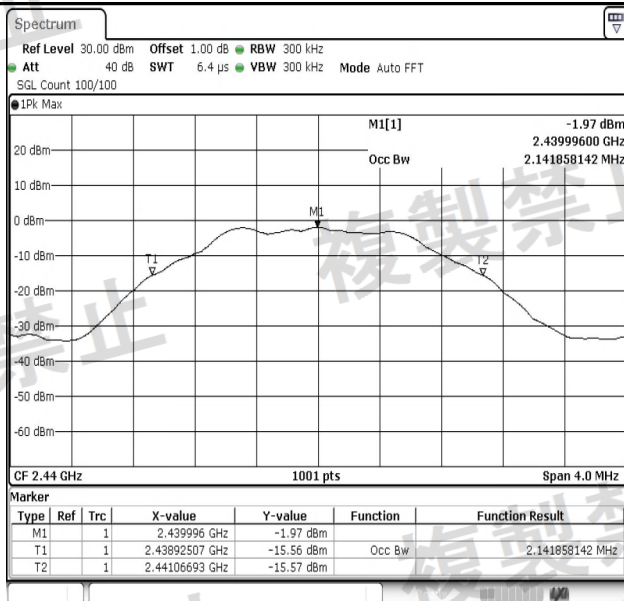


NTNV-BLE_1M-Ant1-2480-PASS

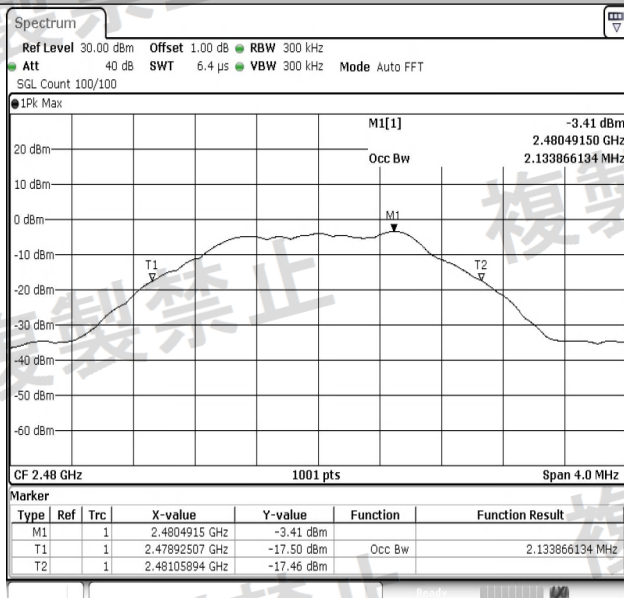


NTNV-BLE_2M-Ant1-2402-PASS





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	977.45	-50.23	≤-26	0.00948	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2055.51	-48.28	≤-26	0.01486	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2399.99	-32.86	≤-16	0.51761	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2485.56	-38.12	≤-16	0.15417	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	3538.45	-39.19	≤-26	0.12050	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	694.94	-50.14	≤-26	0.00968	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	2223.33	-47.74	≤-26	0.01683	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2387.68	-38.55	≤-16	0.13964	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2486.10	-36.98	≤-16	0.20045	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	3501.16	-43.91	≤-26	0.04064	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	825.64	-43.88	≤-26	0.04093	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	2277.43	-48.42	≤-26	0.01439	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2387.47	-38.74	≤-16	0.13366	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2486.00	-38.08	≤-16	0.15560	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	5766.24	-43.65	≤-26	0.04315	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	731.55	-44.20	≤-26	0.03802	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	2383.19	-48.25	≤-26	0.01496	≤2.5	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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



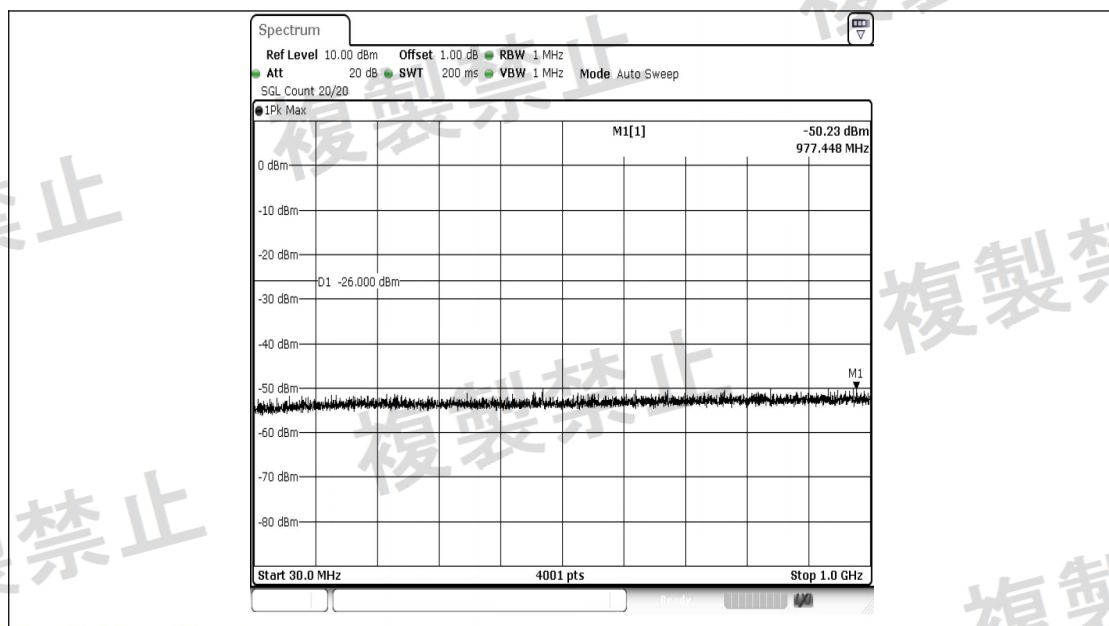
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NTNV	BLE_2M	Ant1	2402	2387~2400	2400.00	-22.13	≤-16	6.12350	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2486.39	-38.31	≤-16	0.14757	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~13000	4802.54	-44.77	≤-26	0.03334	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	664.14	-50.43	≤-26	0.00906	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	2198.37	-47.83	≤-26	0.01648	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2396.65	-38.29	≤-16	0.14825	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2487.52	-38.17	≤-16	0.15241	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	6955.76	-45.16	≤-26	0.03048	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	831.71	-40.36	≤-26	0.09204	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	2239.98	-48.47	≤-26	0.01422	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2393.08	-38.74	≤-16	0.13366	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2490.73	-38.04	≤-16	0.15704	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~13000	6992.52	-43.94	≤-26	0.04036	≤2.5	PASS

Test Graphs



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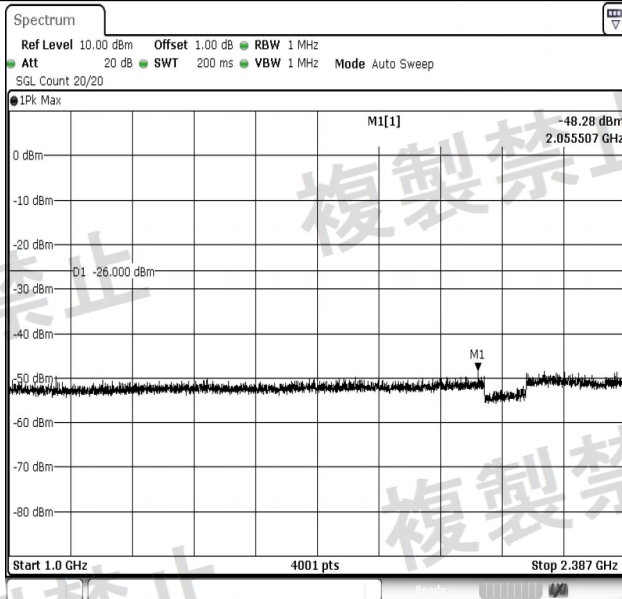
Hotline

400-003-0500

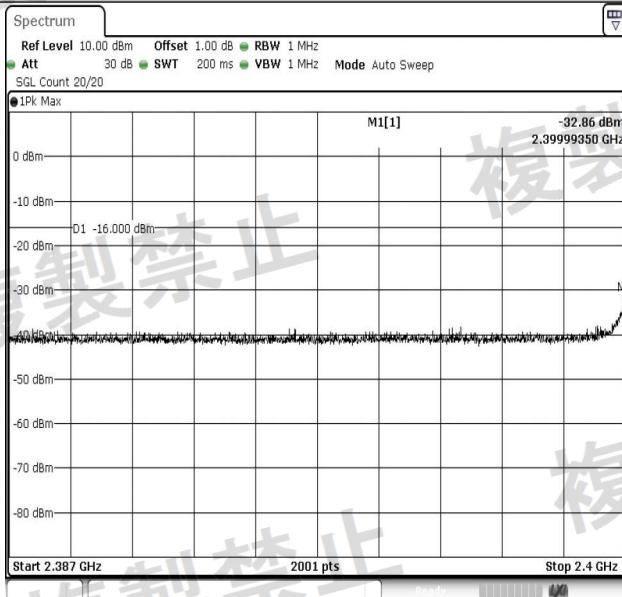
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NTNV-BLE_1M-Ant1-2402-30~1000-PASS

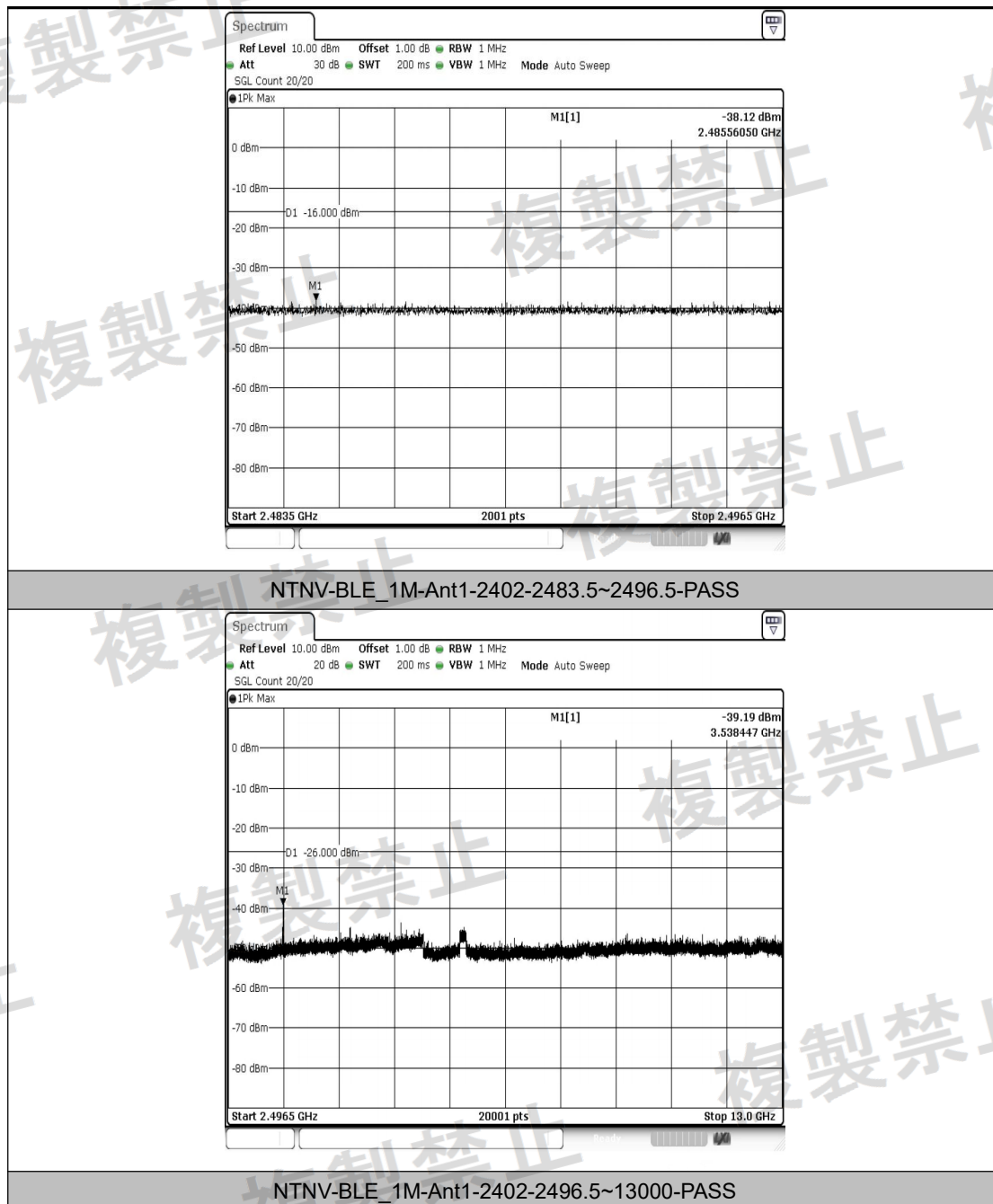


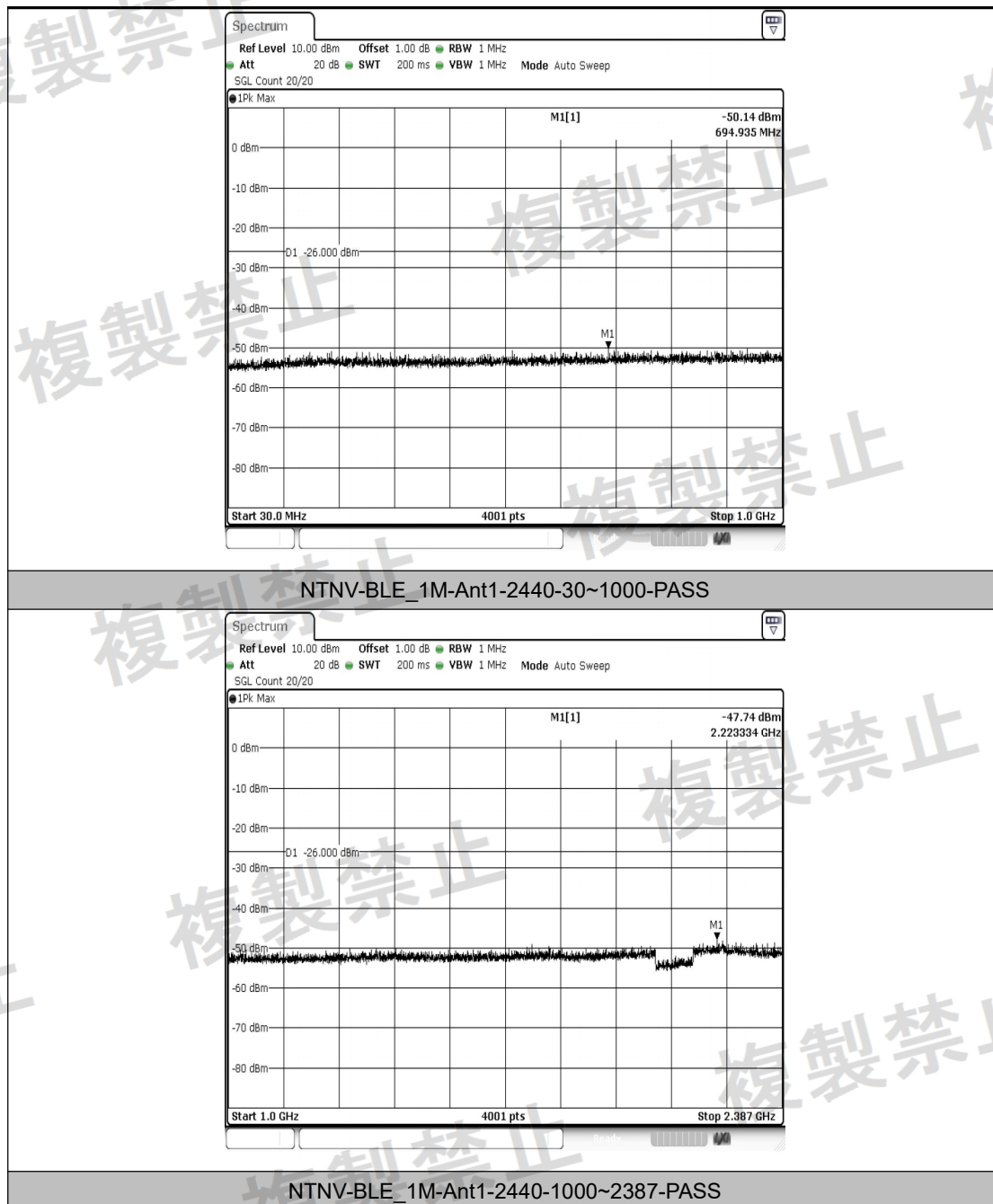
NTNV-BLE_1M-Ant1-2402-1000~2387-PASS

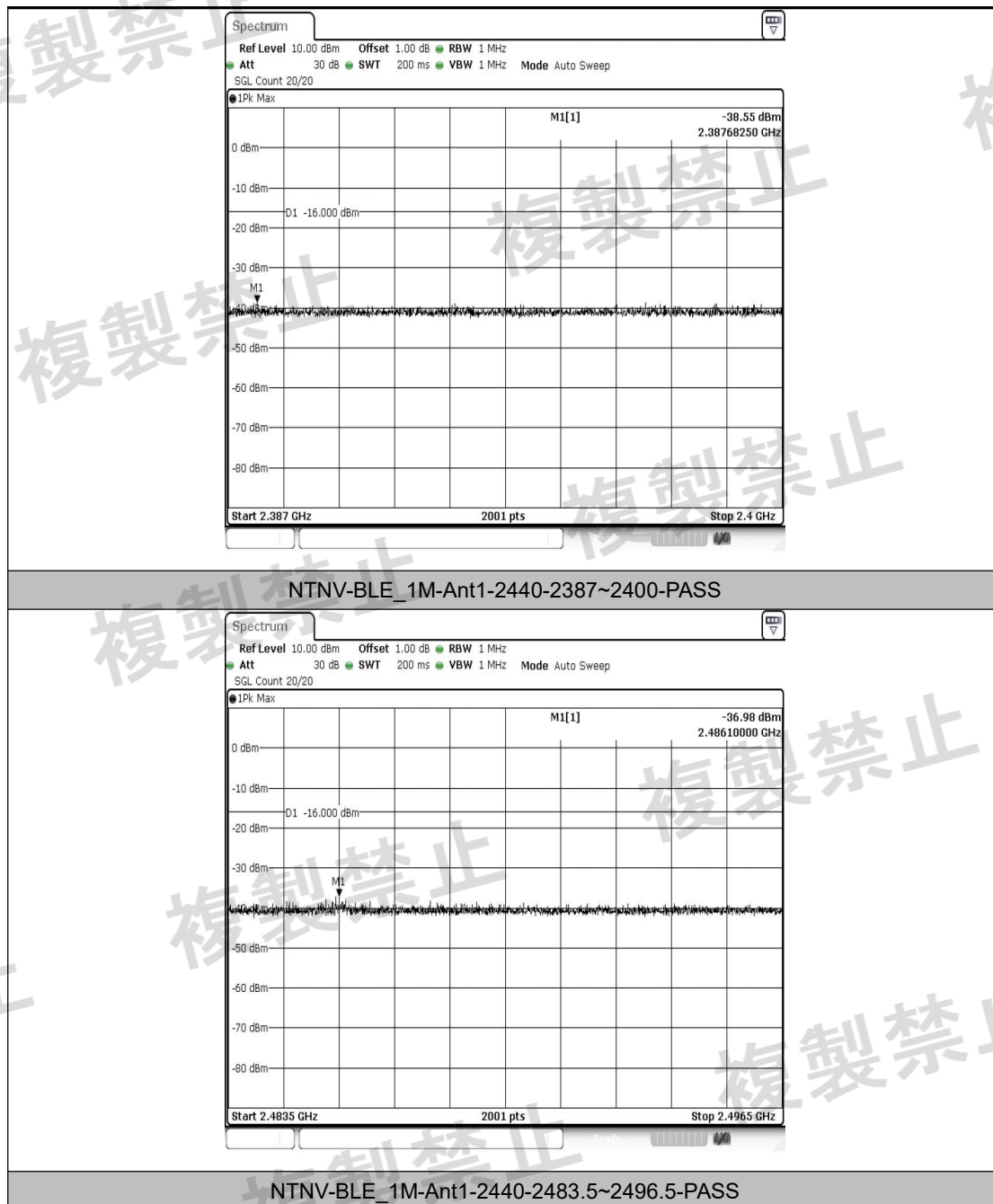


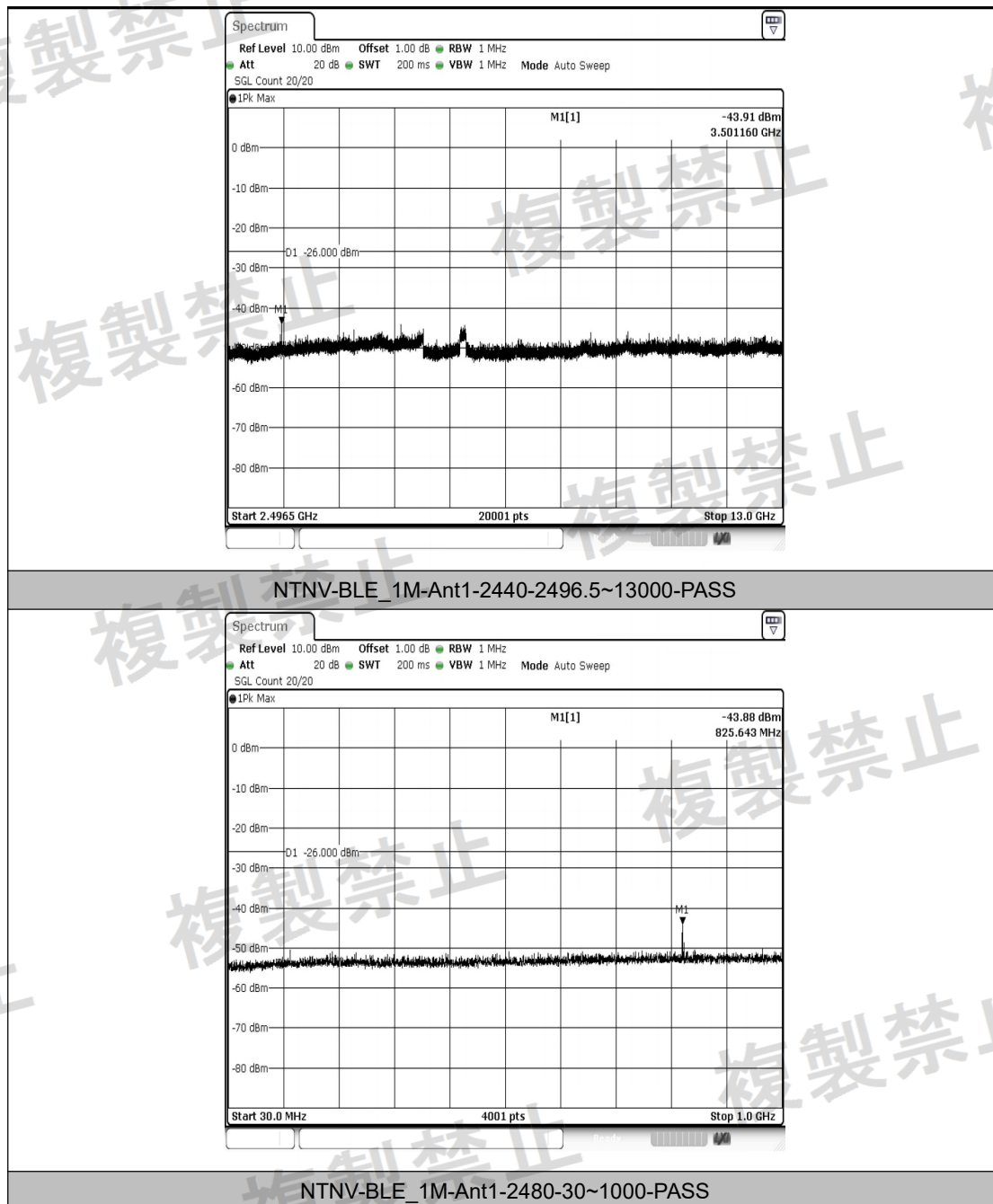
NTNV-BLE_1M-Ant1-2402-2387~2400-PASS

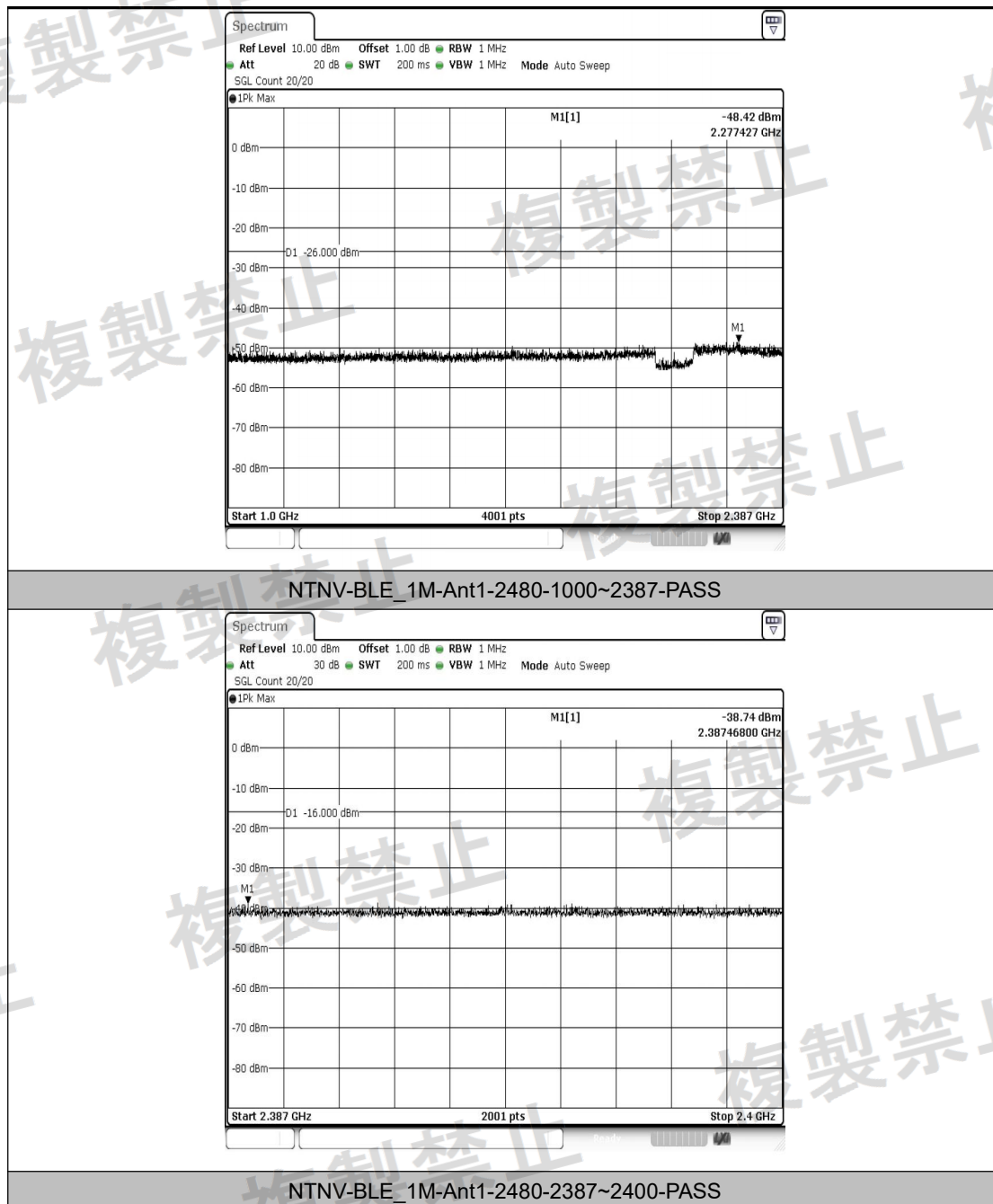


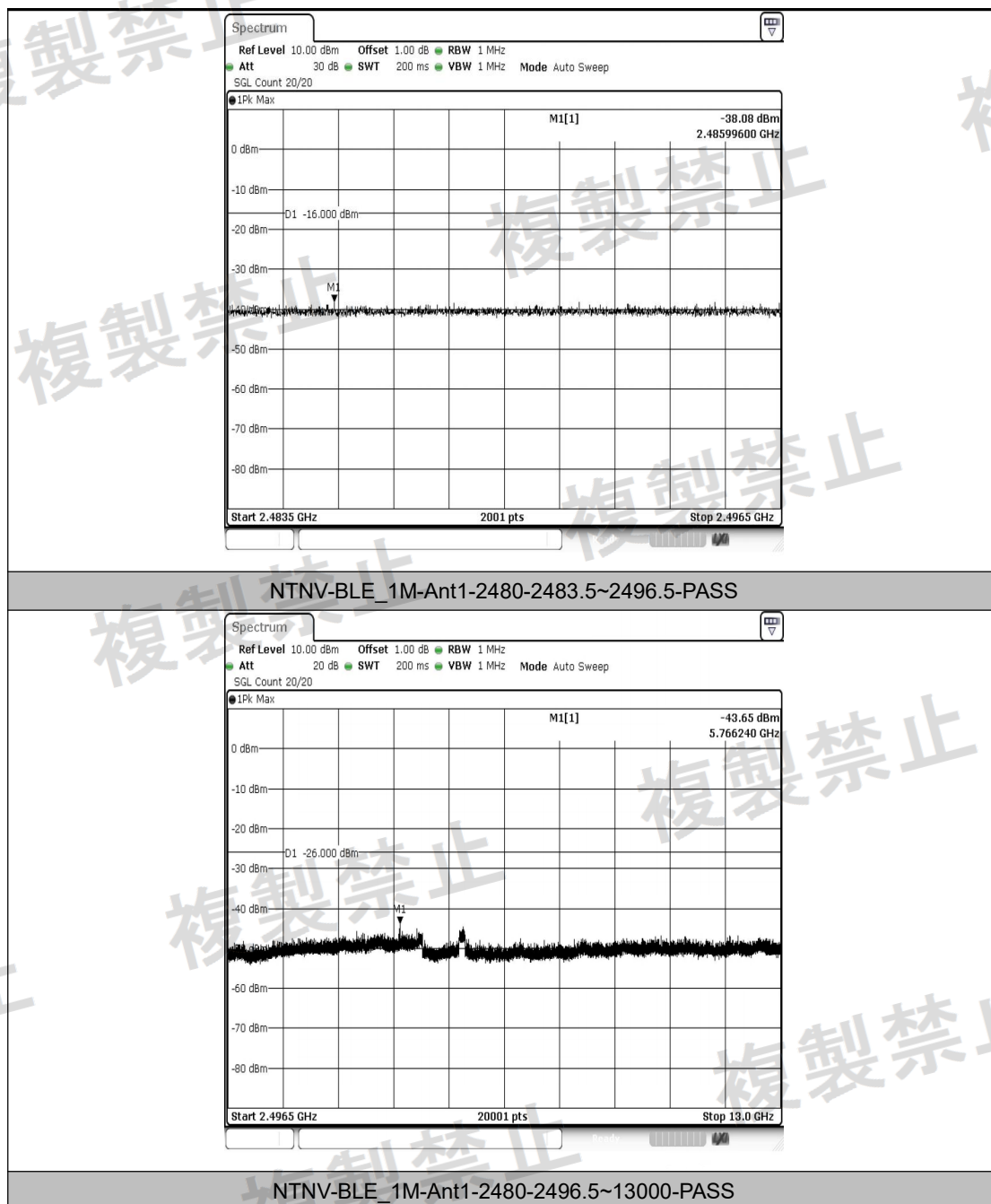


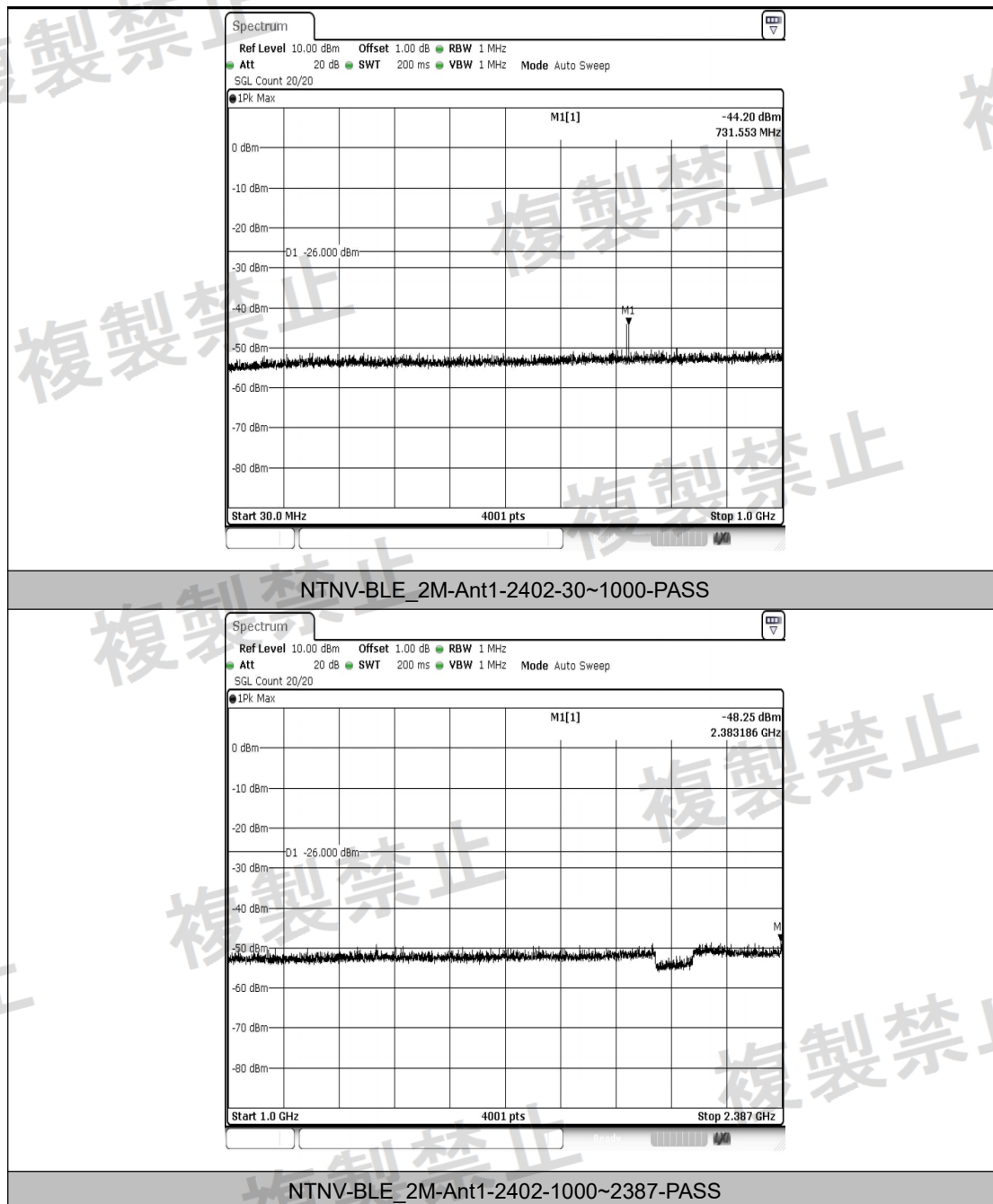


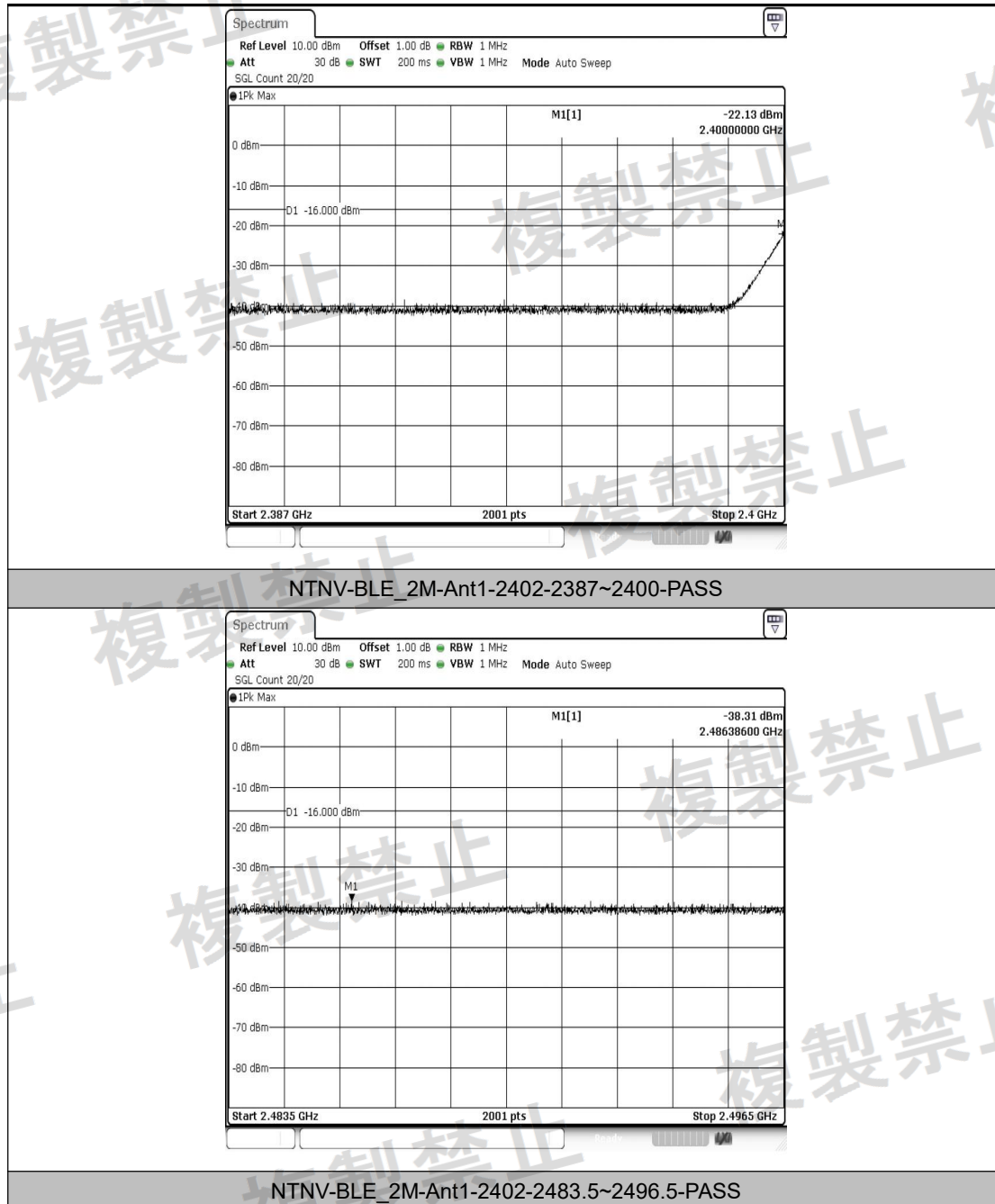


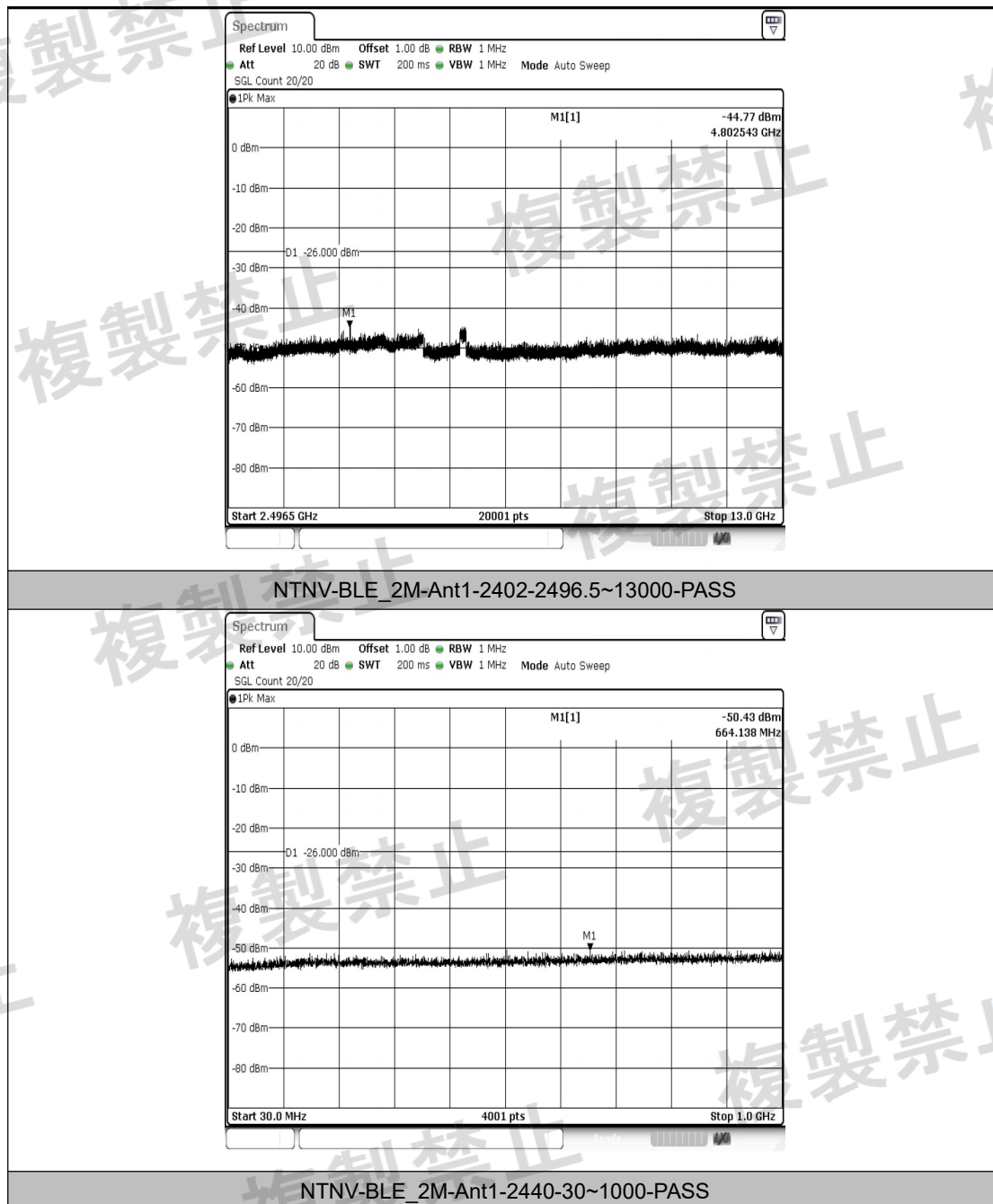


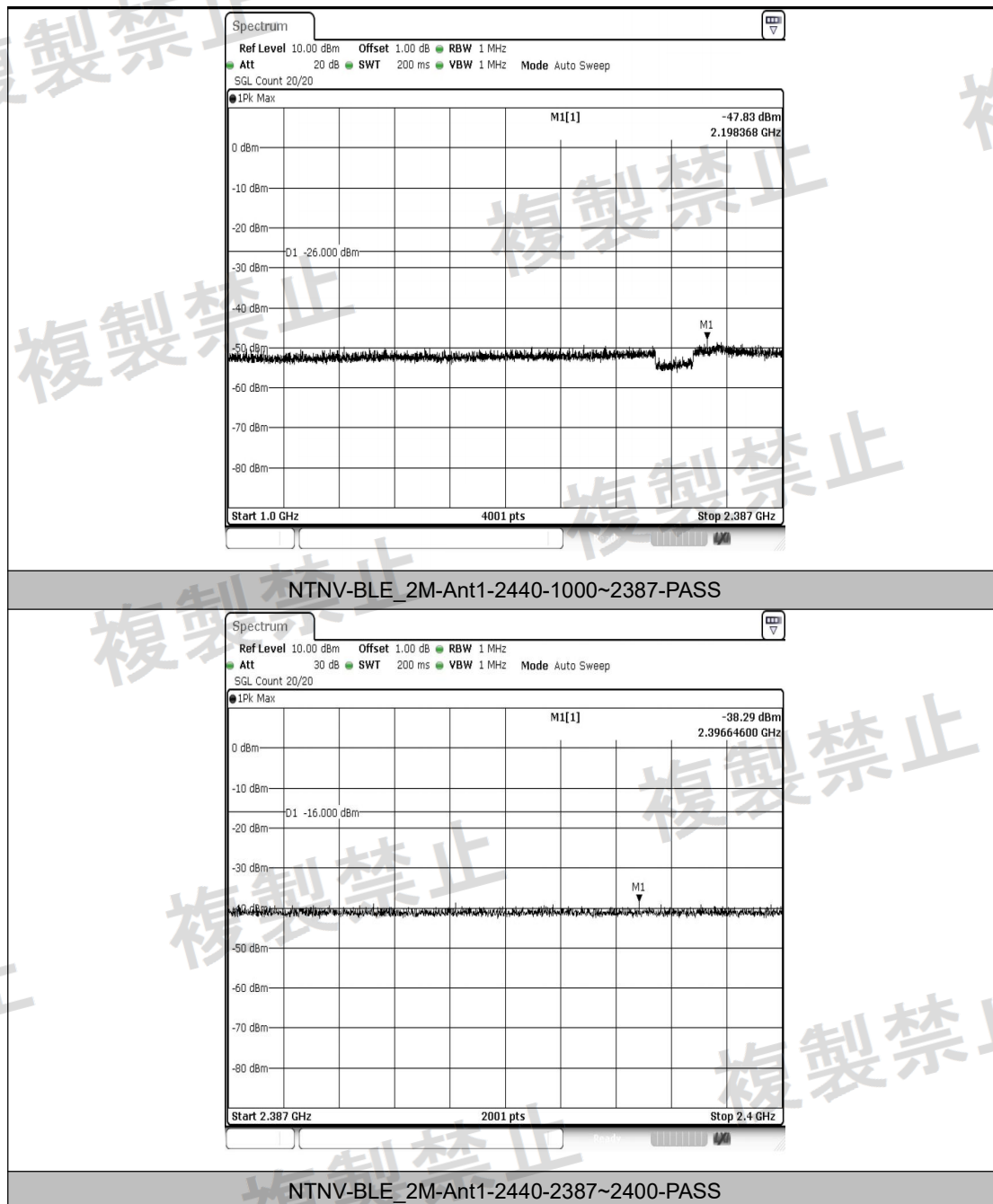


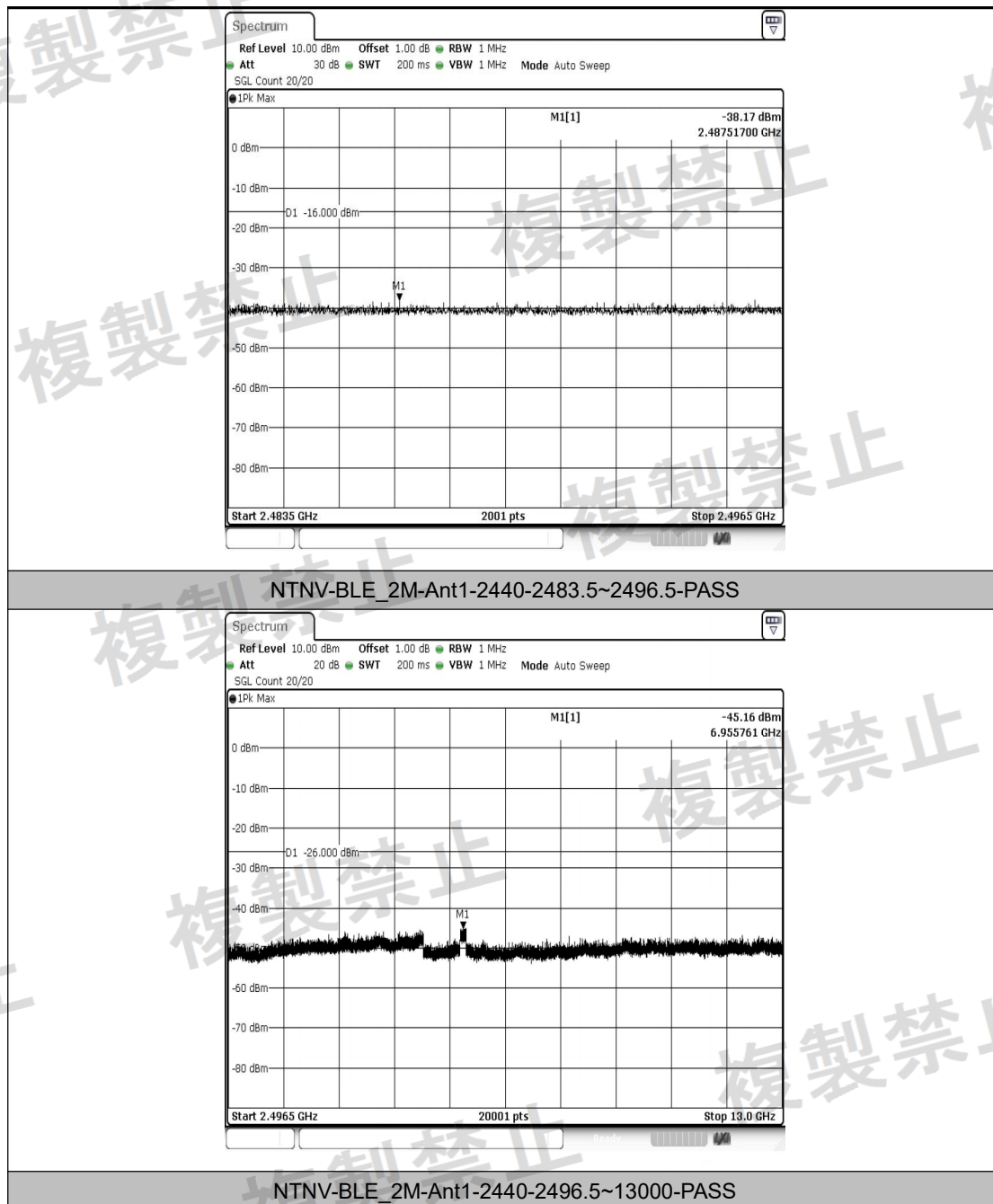


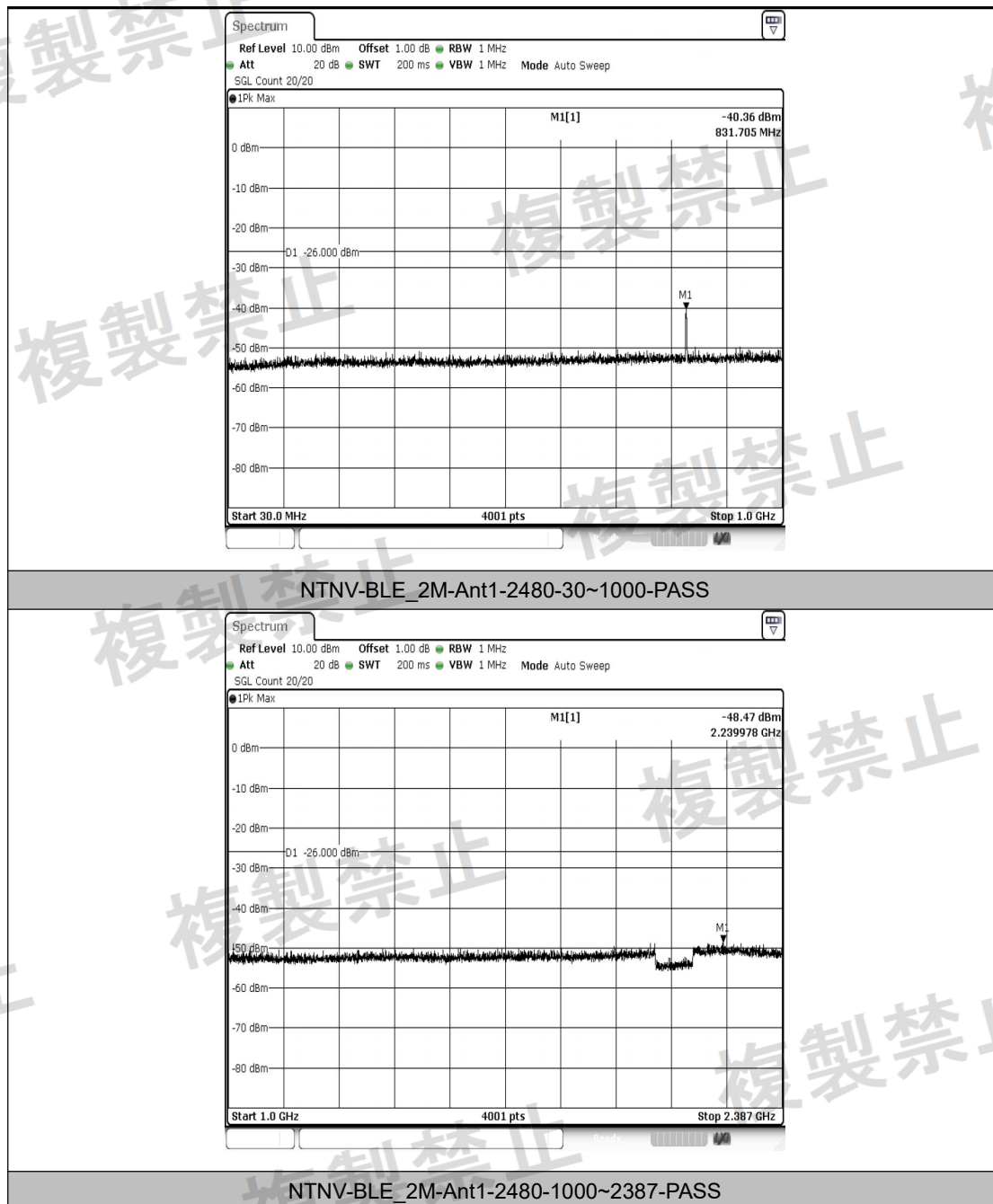


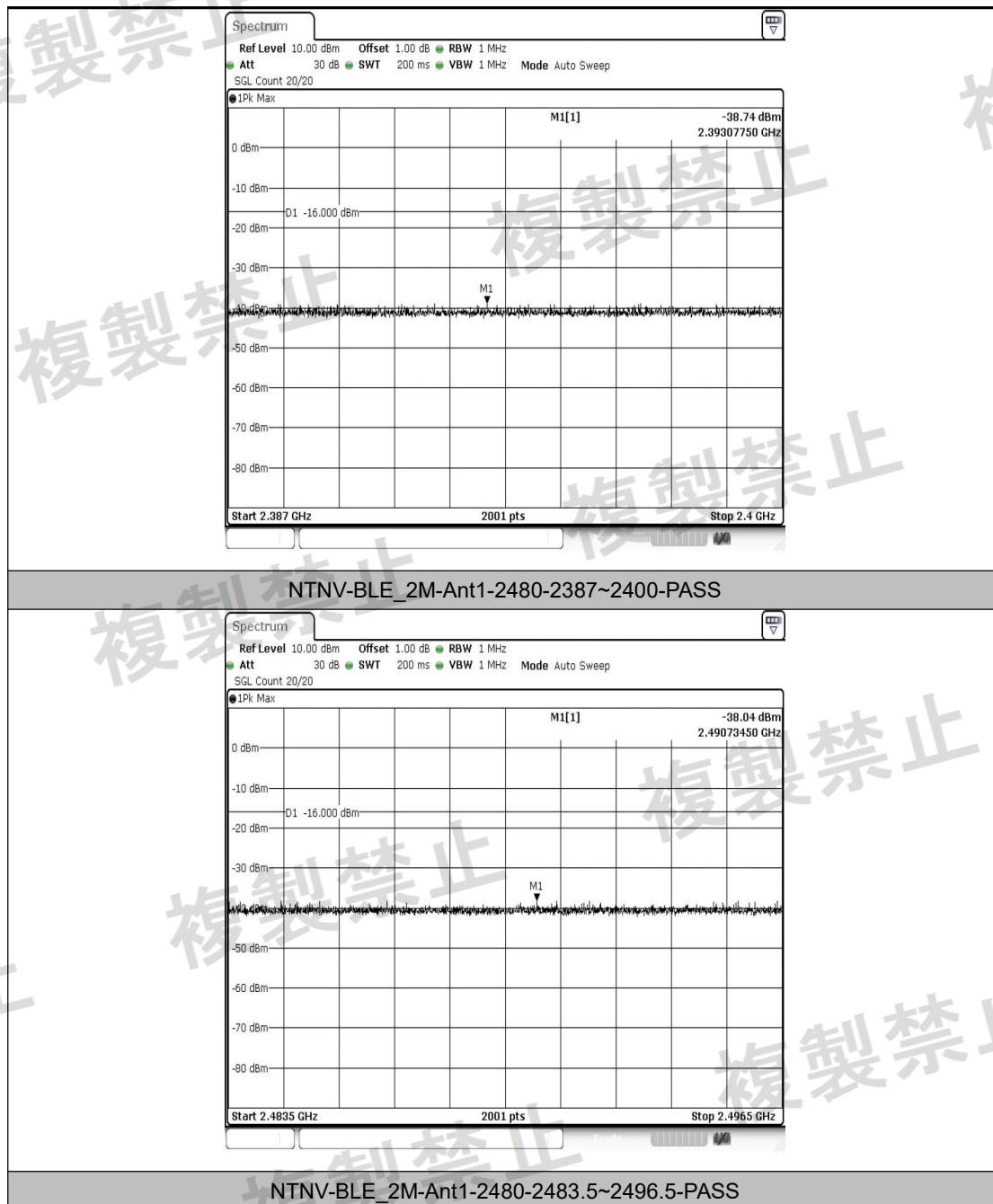


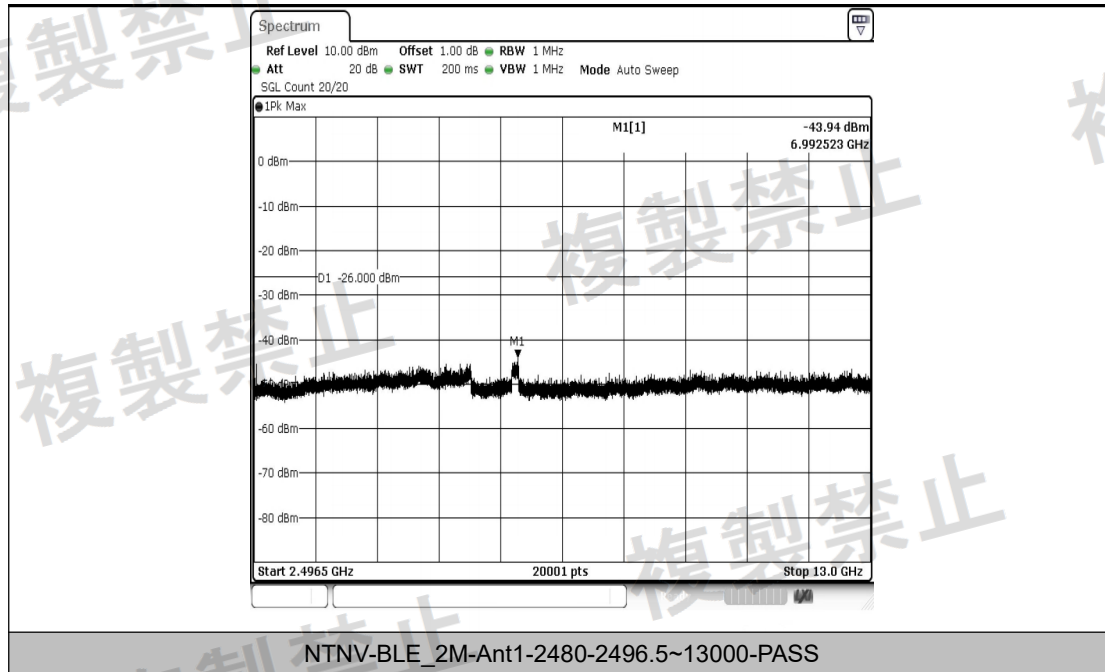












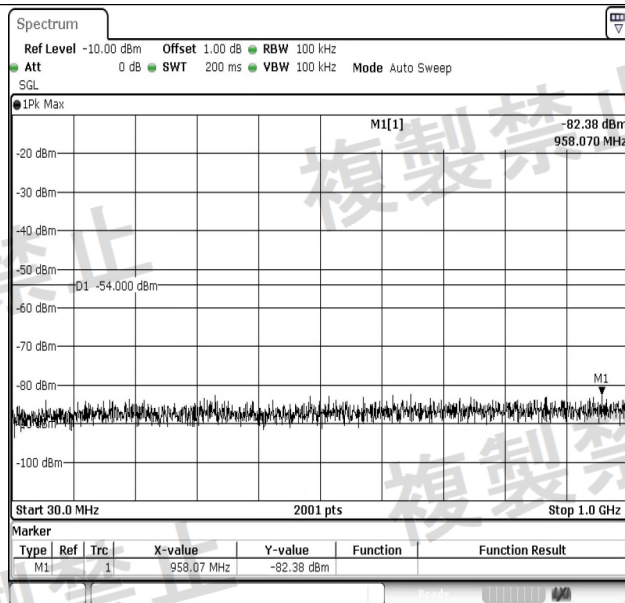
Appendix E: Spurious Emission of RX

Test Result

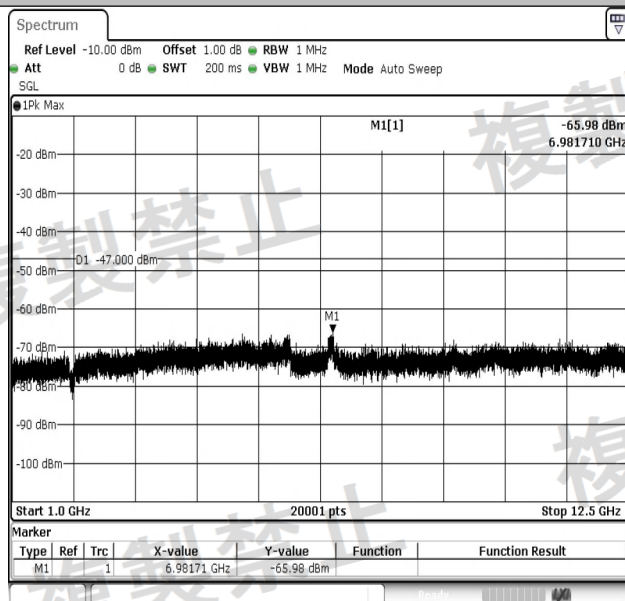
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	958.07	-82.38	≤-54	0.00578	≤4	PASS
NTNV	BLE_1M	Ant1	2402	1000~12500	6981.71	-65.98	≤-47	0.25235	≤20	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	705.51	-82.46	≤-54	0.00568	≤4	PASS
NTNV	BLE_1M	Ant1	2440	1000~12500	6927.67	-66.62	≤-47	0.21777	≤20	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	776.28	-81.52	≤-54	0.00705	≤4	PASS
NTNV	BLE_1M	Ant1	2480	1000~12500	6932.27	-65.49	≤-47	0.28249	≤20	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	769.50	-81.20	≤-54	0.00759	≤4	PASS
NTNV	BLE_2M	Ant1	2402	1000~12500	6087.63	-65.40	≤-47	0.28840	≤20	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	929.95	-82.16	≤-54	0.00608	≤4	PASS
NTNV	BLE_2M	Ant1	2440	1000~12500	5853.04	-66.11	≤-47	0.24491	≤20	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	806.34	-82.64	≤-54	0.00545	≤4	PASS
NTNV	BLE_2M	Ant1	2480	1000~12500	6931.12	-65.09	≤-47	0.30974	≤20	PASS



Test Graphs

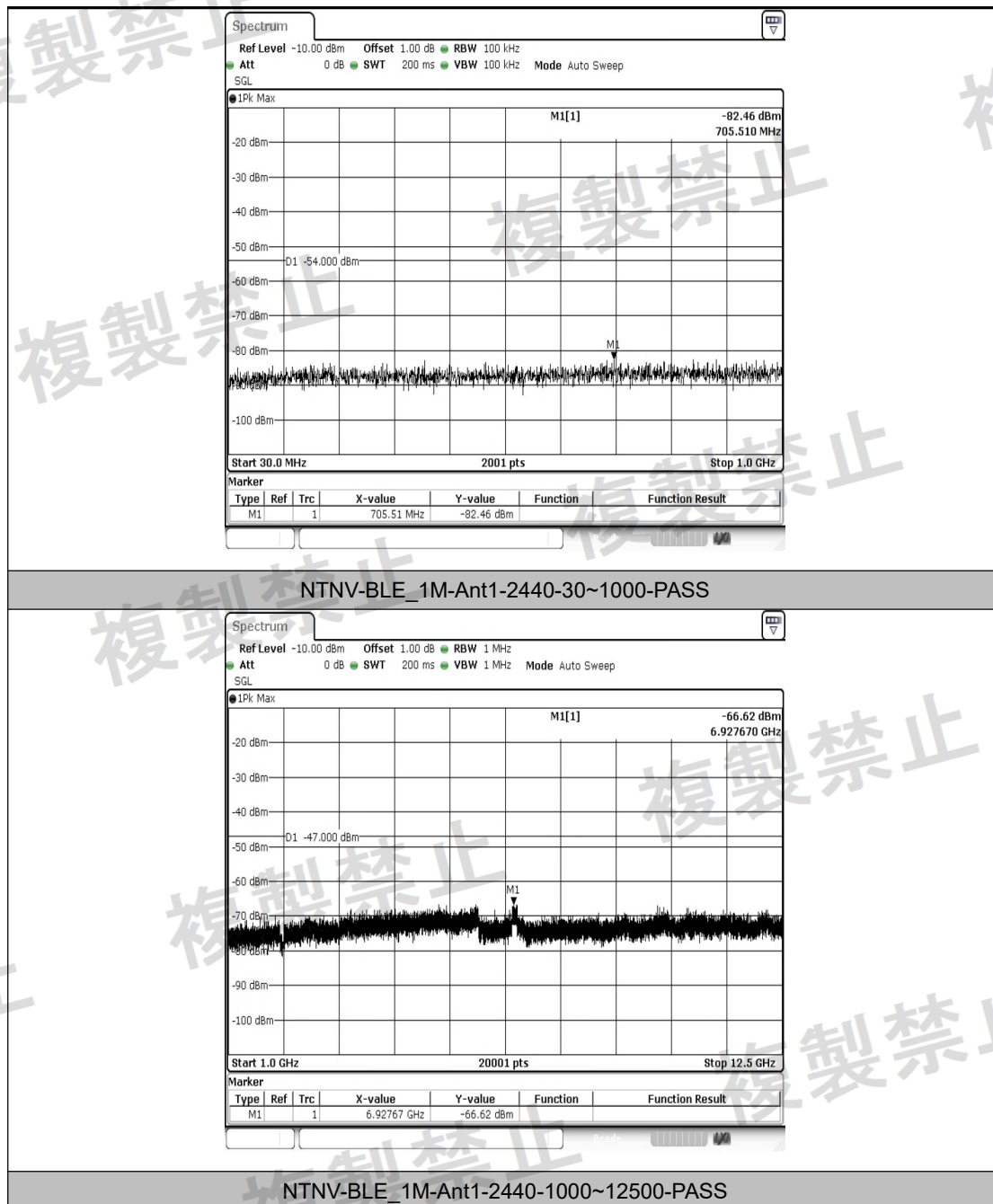


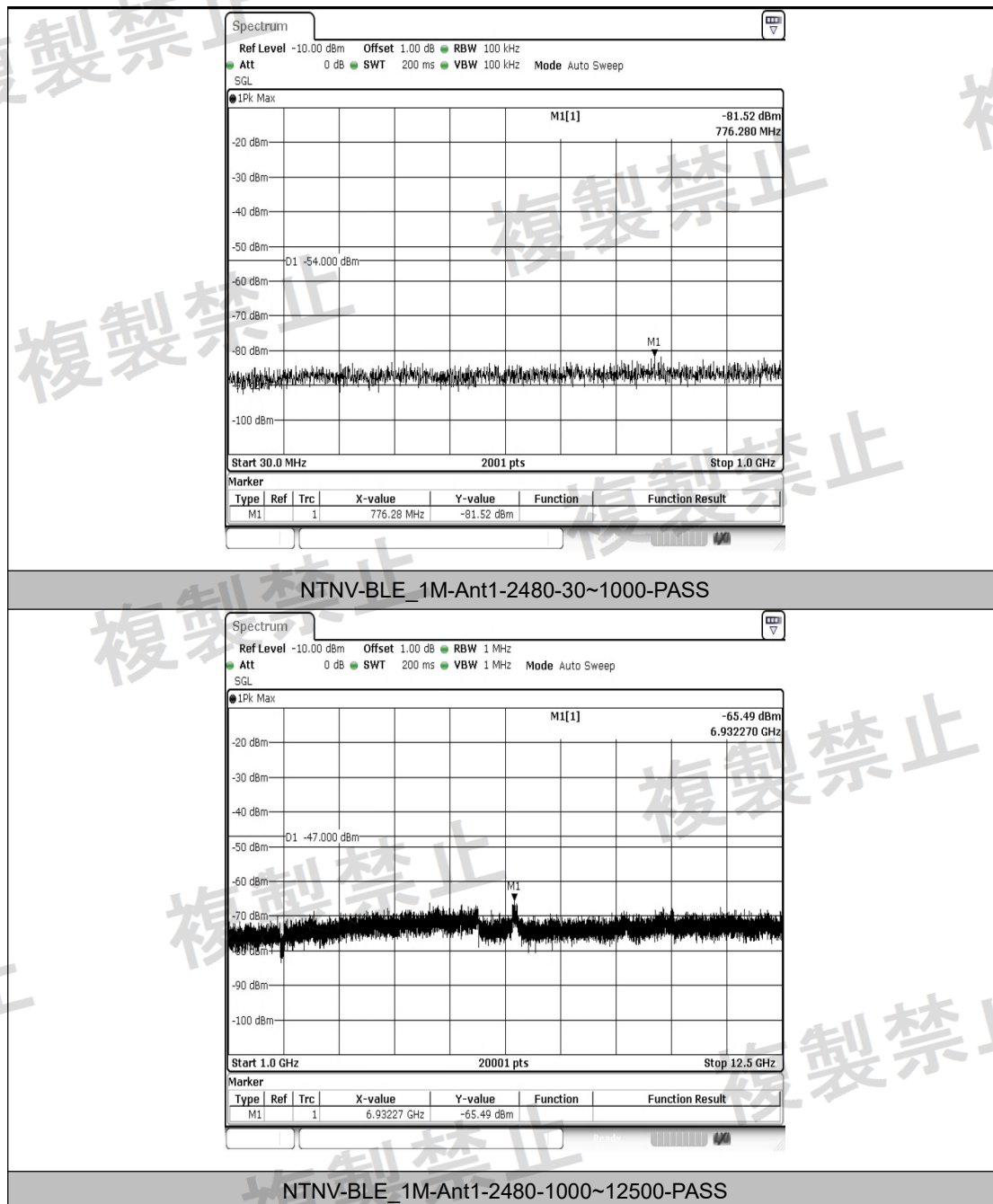
NTNV-BLE_1M-Ant1-2402-30~1000-PASS

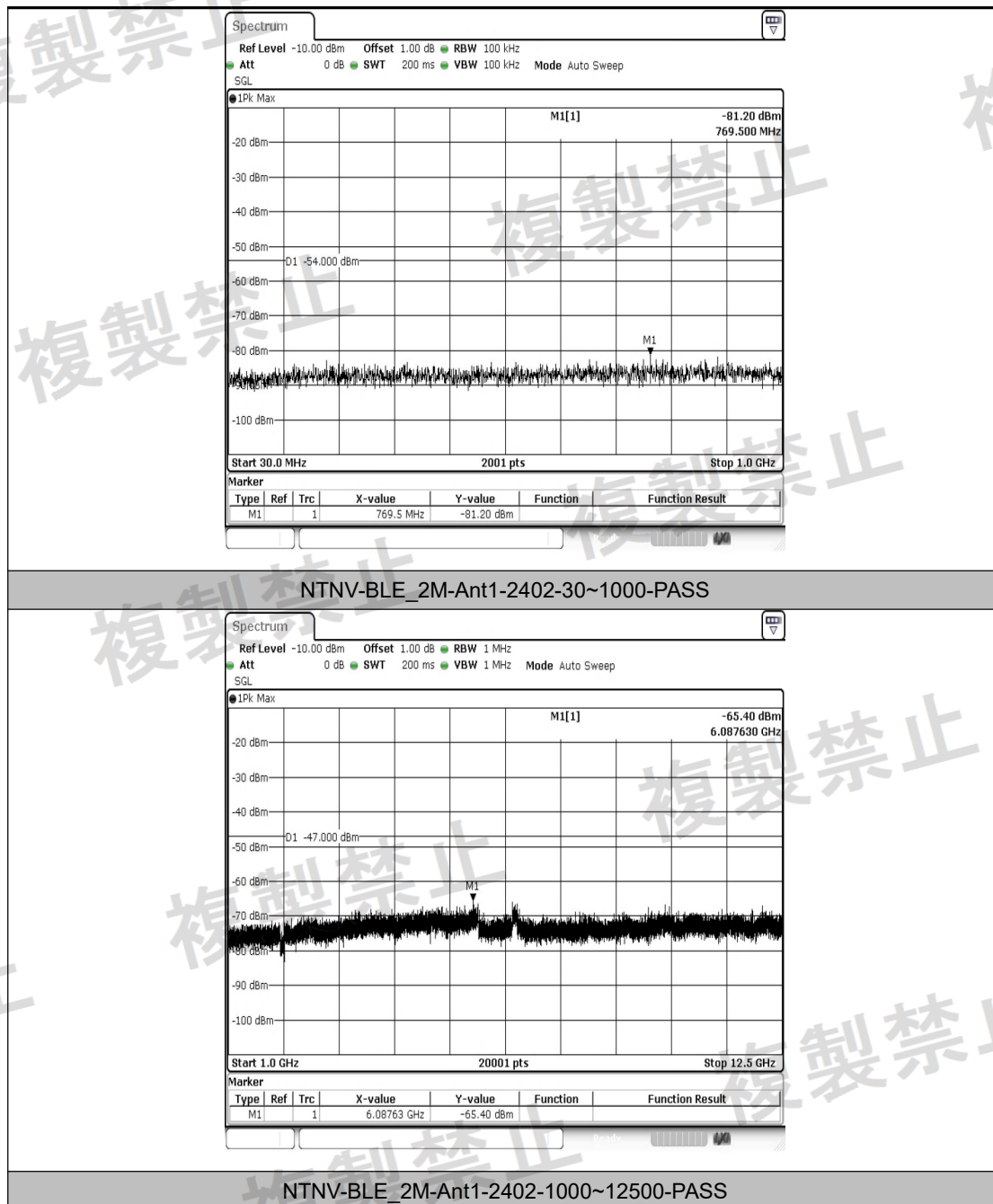


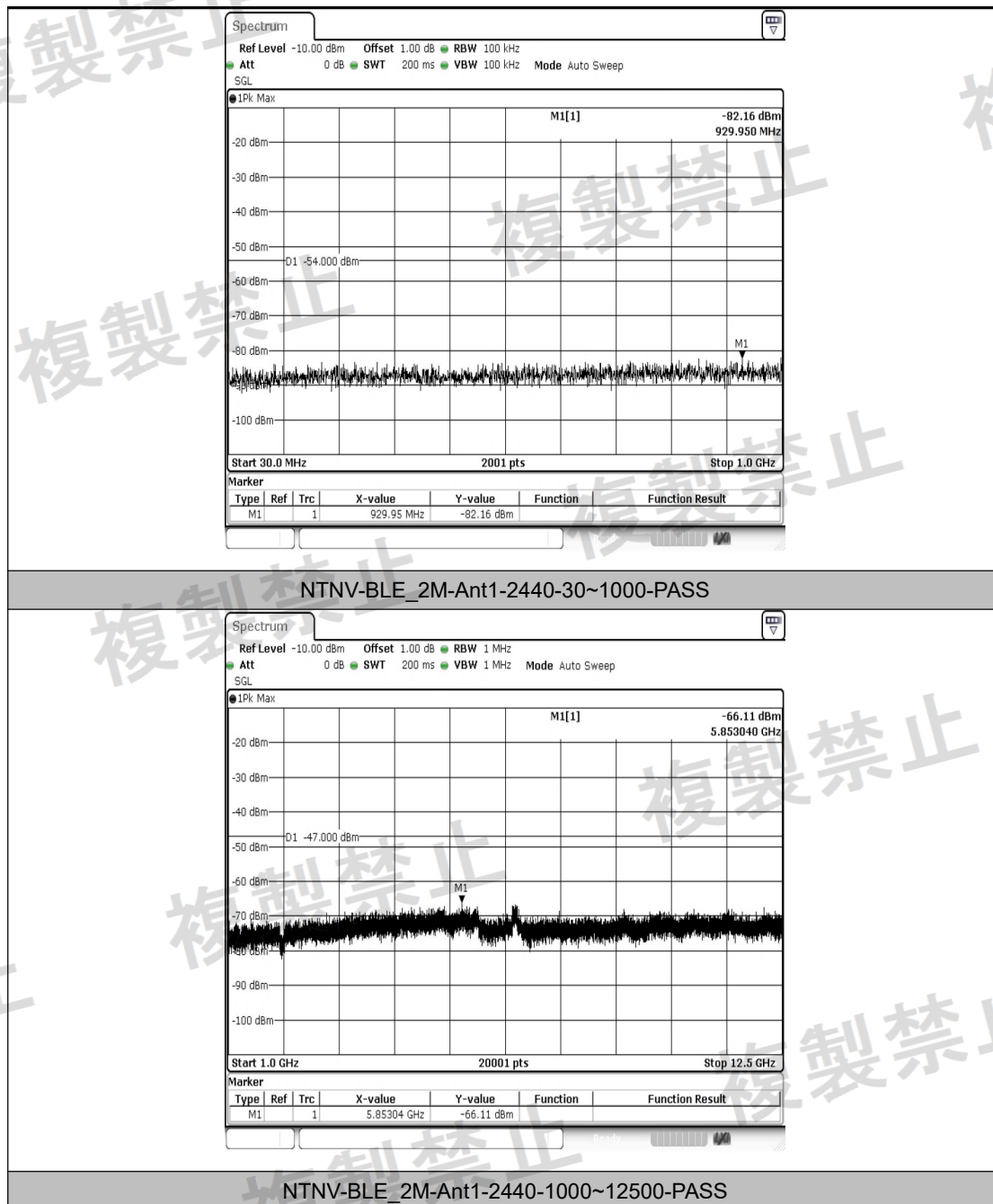
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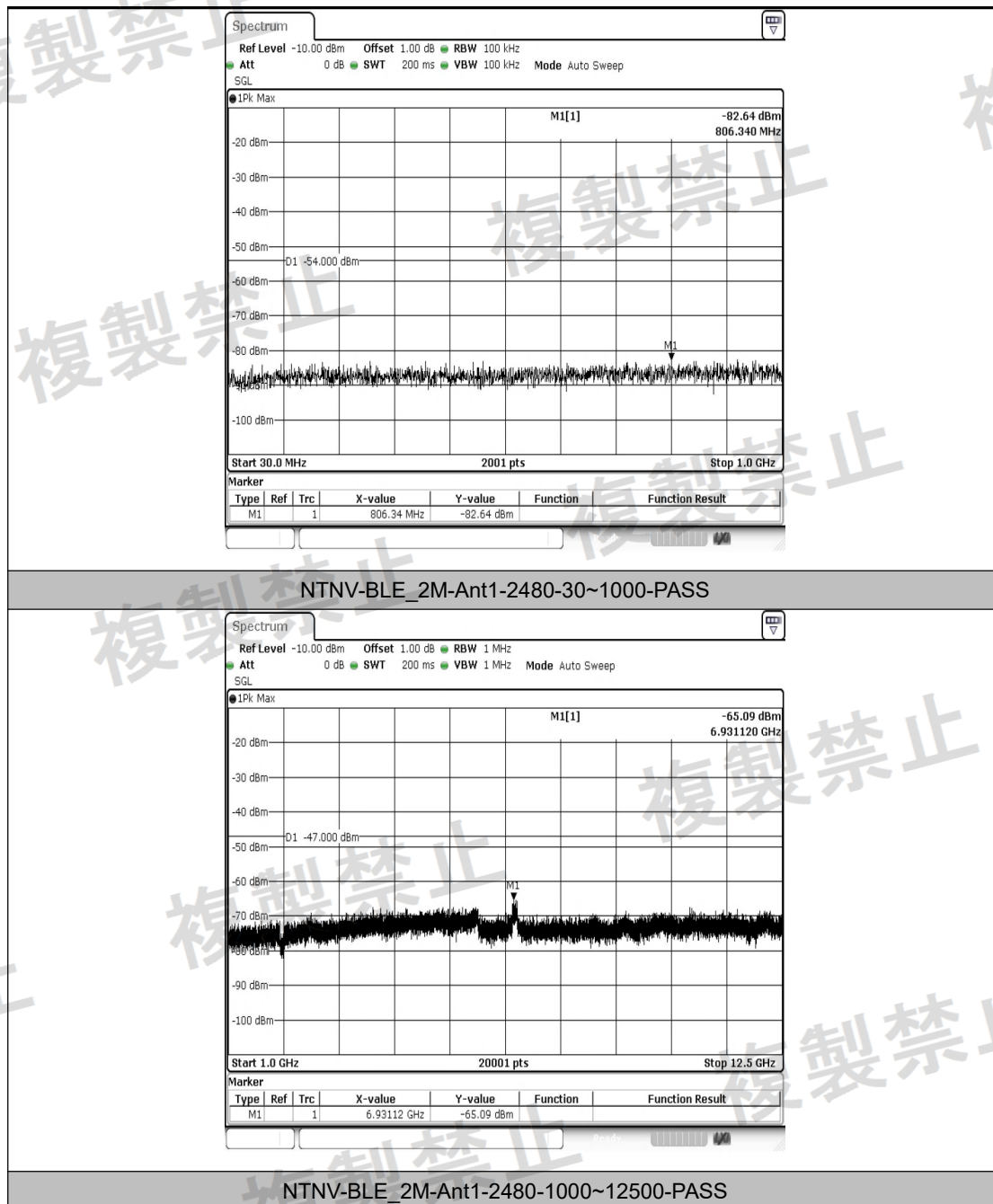












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