

Appendix Test Data

Report No.:	1812C60291312502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-6-1	Finish Test Date:	2026-6-8
Test Engineer:	Tracy Liang	Auditor:	Justin Feng
Temperature:	25.8℃	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: Frequency Error

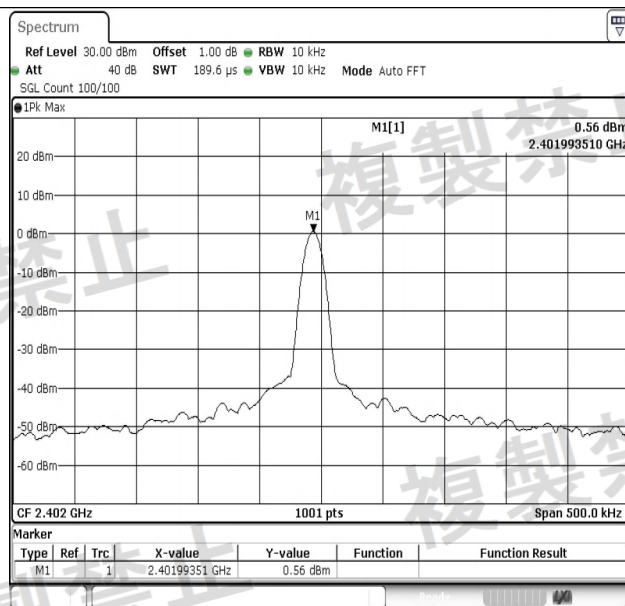
Test Result

Test Condition	Test Mode	Antenna	Freq.[MHz]	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2401.99351	-2.70192	±50	PASS
NTNV	CW	Ant1	2440	2439.99351	-2.65984	±50	PASS
NTNV	CW	Ant1	2480	2479.99301	-2.81855	±50	PASS

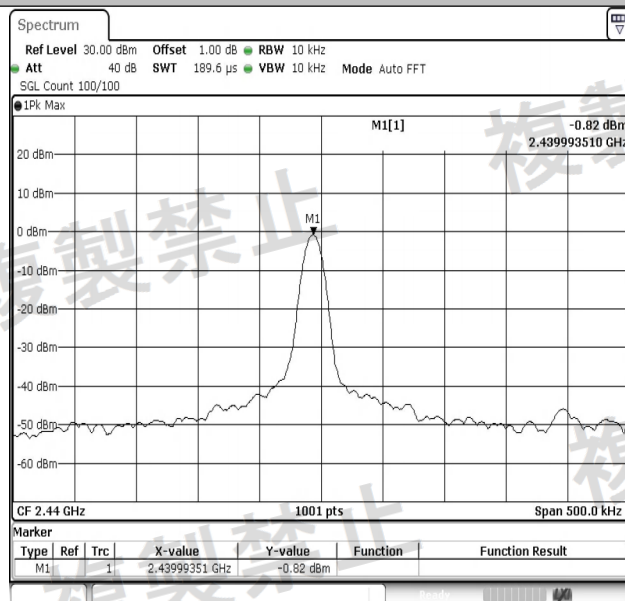
Note: Result[ppm]= (Center Freq[MHz] -Freq.[MHz])/Freq.[MHz]*1000000



Test Graphs

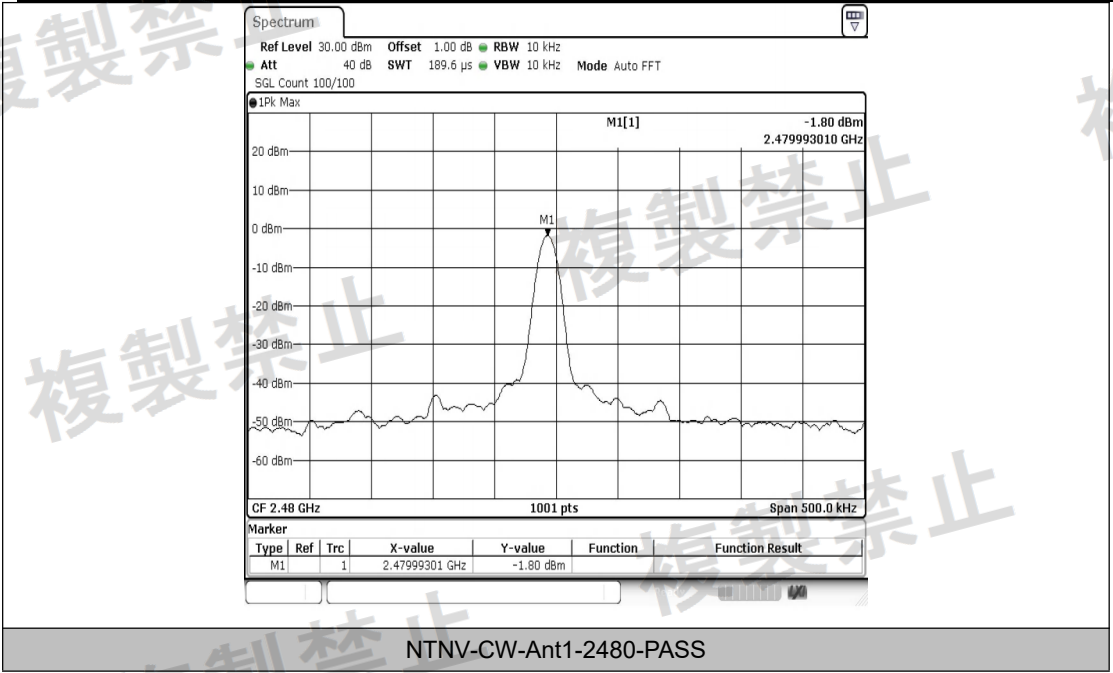


NTVN-CW-Ant1-2402-PASS



NTVN-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	3.92	2.4660	≤10	PASS
NTNV	BLE_1M	Ant1	2440	2.55	1.7988	≤10	PASS
NTNV	BLE_1M	Ant1	2480	1.49	1.4092	≤10	PASS
NTNV	BLE_2M	Ant1	2402	3.99	2.5061	≤10	PASS
NTNV	BLE_2M	Ant1	2440	2.59	1.8155	≤10	PASS
NTNV	BLE_2M	Ant1	2480	1.56	1.4321	≤10	PASS

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

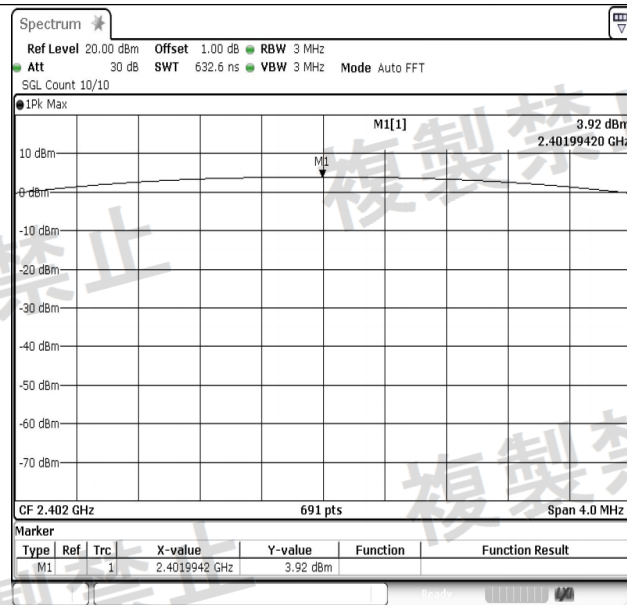
Test Condition	Test Mode	Antenna	Freq. [MHz]	Power [mW]	Rated Power [mW]	Result [%]	Limit(%)	Verdict
NTNV	BLE_1M	Ant1	2402	2.466	3	-17.80	+20	PASS
NTNV	BLE_1M	Ant1	2440	1.7988	3	-40.04	+20	PASS
NTNV	BLE_1M	Ant1	2480	1.4092	3	-53.03	+20	PASS
NTNV	BLE_2M	Ant1	2402	2.5061	3	-16.46	+20	PASS
NTNV	BLE_2M	Ant1	2440	1.8155	3	-39.48	+20	PASS
NTNV	BLE_2M	Ant1	2480	1.4321	3	-52.26	+20	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Gain[dBi]	EIRP(dBm)	Limit(dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	3.92	4.83	8.75	≤12.14	PASS
NTNV	BLE_1M	Ant1	2440	2.55	4.83	7.38	≤12.14	PASS
NTNV	BLE_1M	Ant1	2480	1.49	4.83	6.32	≤12.14	PASS
NTNV	BLE_2M	Ant1	2402	3.99	4.83	8.82	≤12.14	PASS
NTNV	BLE_2M	Ant1	2440	2.59	4.83	7.42	≤12.14	PASS
NTNV	BLE_2M	Ant1	2480	1.56	4.83	6.39	≤12.14	PASS

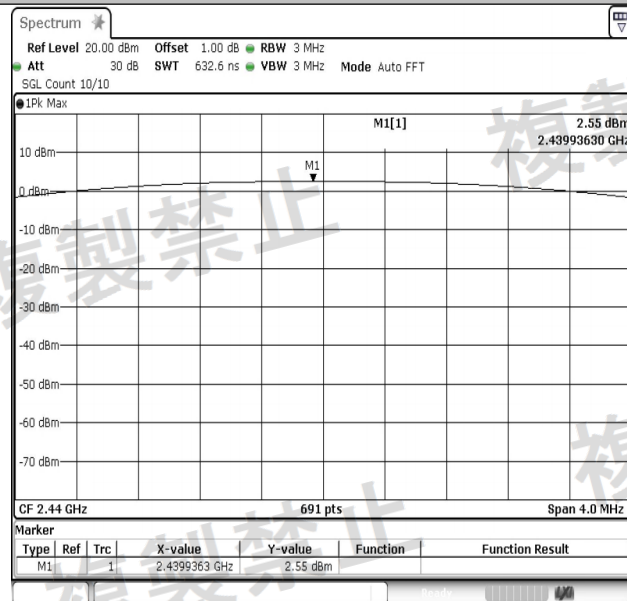
Note: EIRP[dBm]=Result[dBm]+Gain(dBi)



Test Graphs

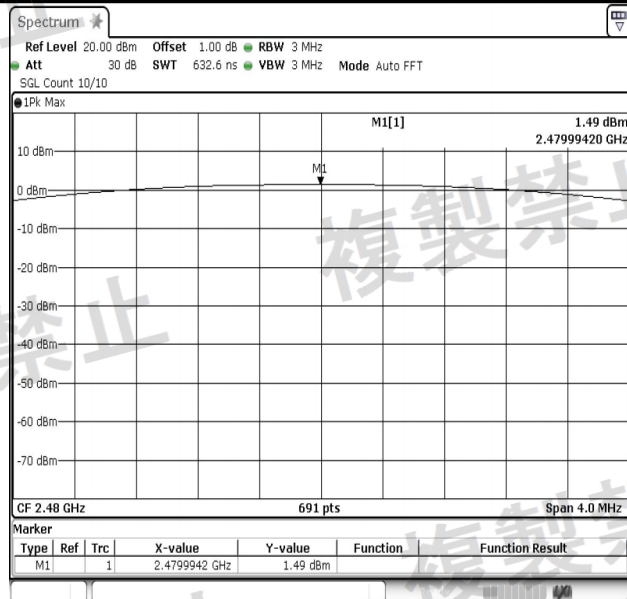


NTNV-BLE_1M-Ant1-2402-PASS

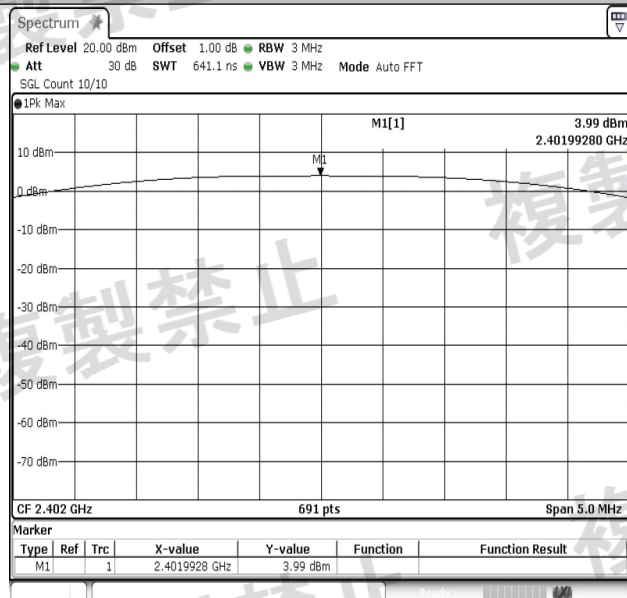


NTNV-BLE_1M-Ant1-2440-PASS



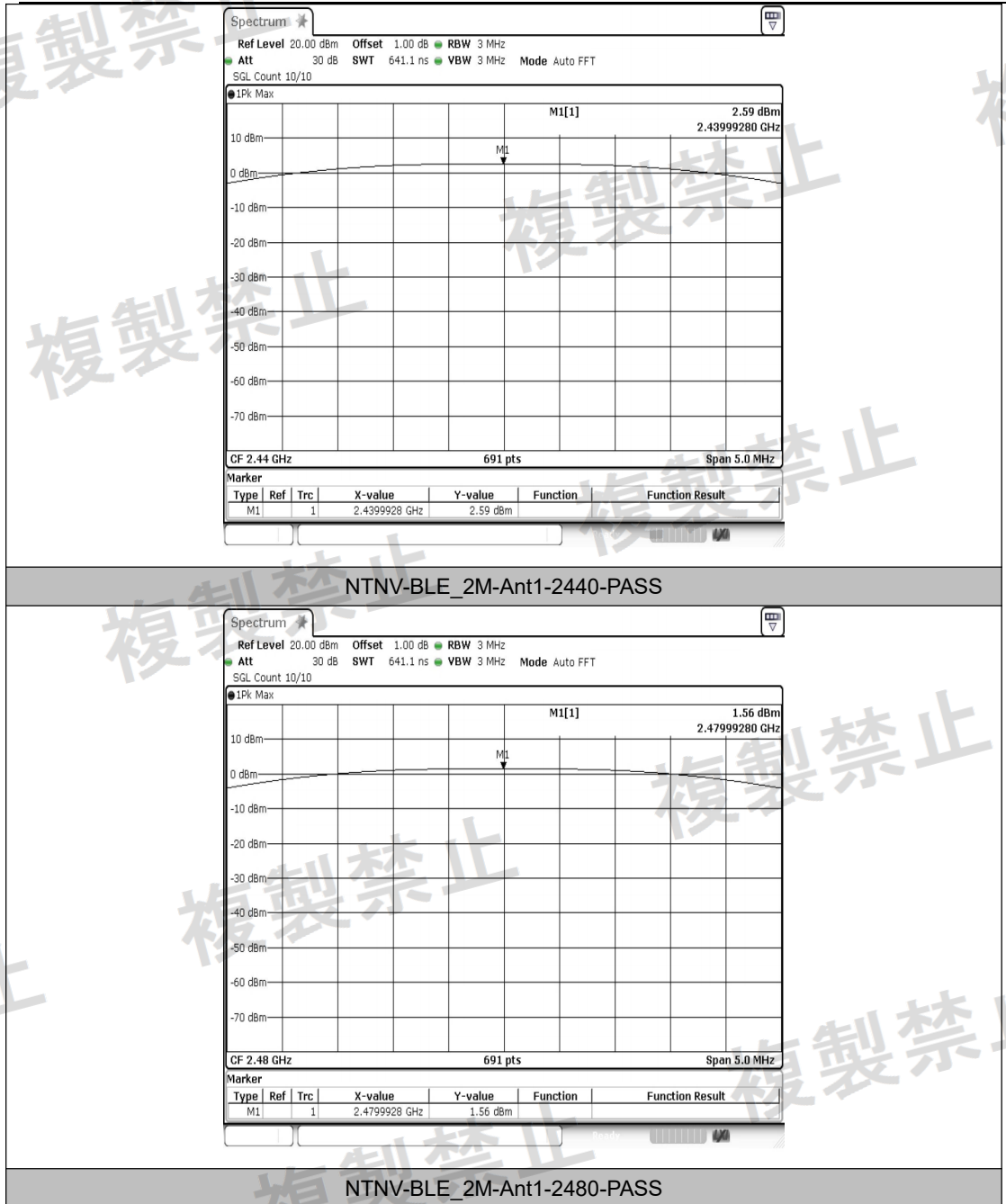


NTNV-BLE_1M-Ant1-2480-PASS



NTNV-BLE_2M-Ant1-2402-PASS





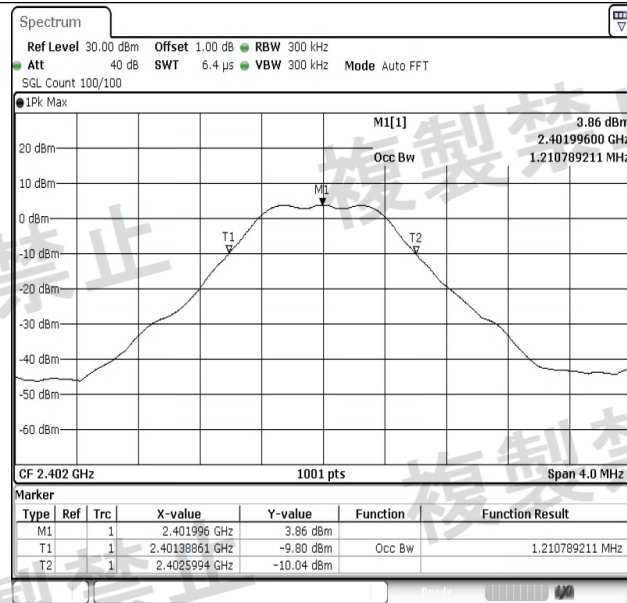
Appendix C: Occupied Bandwidth

Test Result

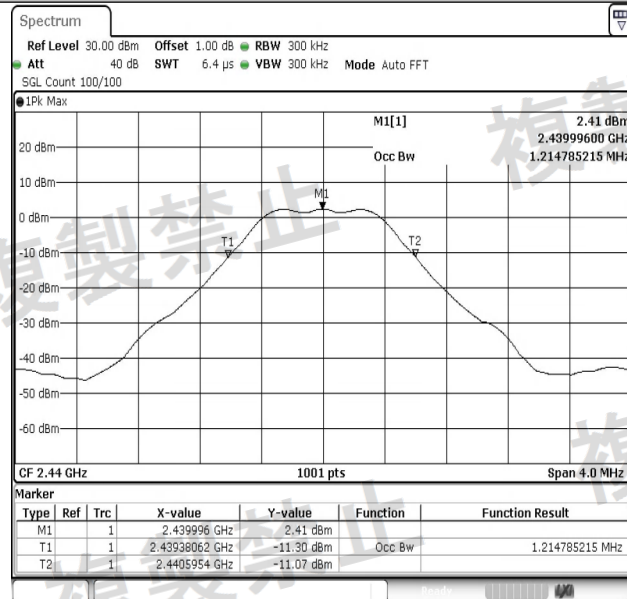
Test Condition	TestMode	Antenna	Freq.[MHz]	Result[MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.211	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.215	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.215	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.126	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.142	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.130	≤26	PASS



Test Graphs

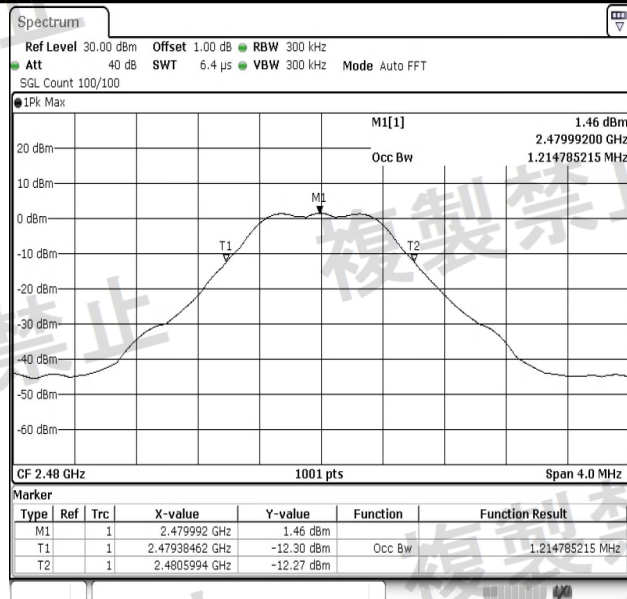


NTNV-BLE_1M-Ant1-2402-PASS

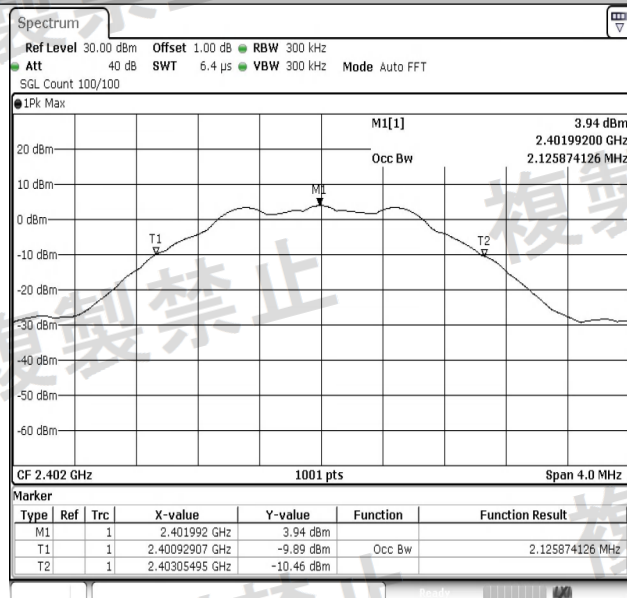


NTNV-BLE_1M-Ant1-2440-PASS



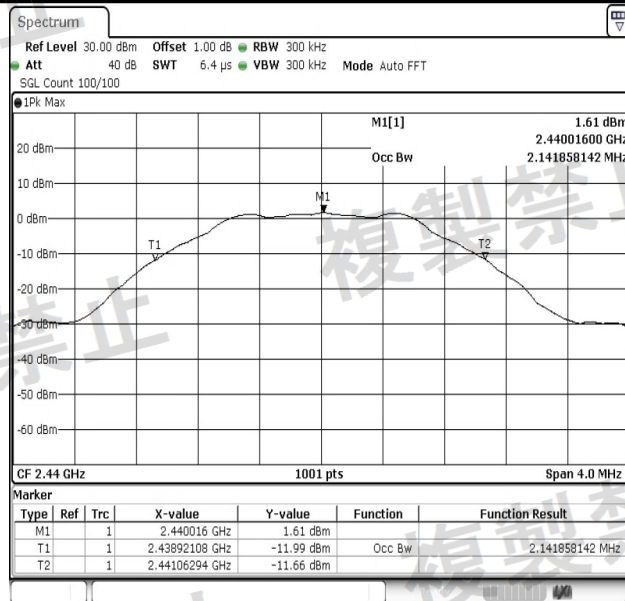


NTNV-BLE_1M-Ant1-2480-PASS

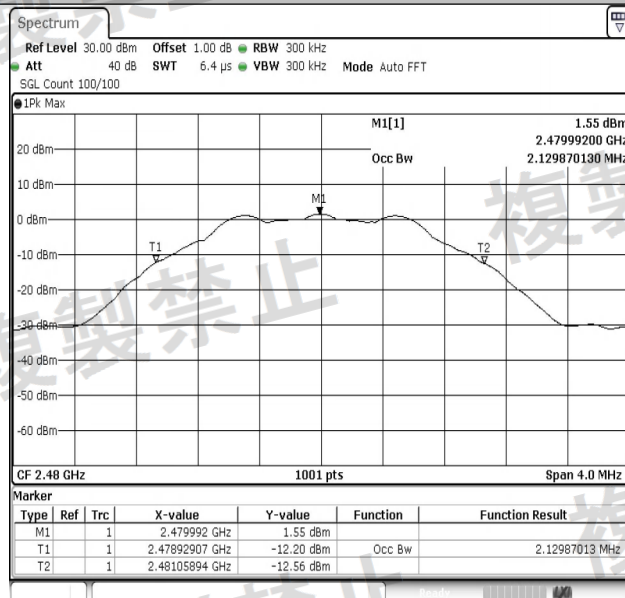


NTNV-BLE_2M-Ant1-2402-PASS





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	962.90	-49.68	≤-26	0.01076	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2179.99	-49.24	≤-26	0.01191	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2400.00	-29.56	≤-16	1.10662	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2492.63	-38.02	≤-16	0.15776	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	6992.00	-44.06	≤-26	0.03926	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	378.96	-50.18	≤-26	0.00959	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	2196.98	-48.99	≤-26	0.01262	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2387.70	-38.52	≤-16	0.14060	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2484.16	-38.45	≤-16	0.14289	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	6979.39	-44.82	≤-26	0.03296	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	727.43	-49.96	≤-26	0.01009	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	2050.31	-49.14	≤-26	0.01219	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2396.11	-38.38	≤-16	0.14521	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2488.17	-38.20	≤-16	0.15136	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	6957.34	-44.52	≤-26	0.03532	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	930.89	-50.05	≤-26	0.00989	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	2335.68	-49.08	≤-26	0.01236	≤2.5	PASS

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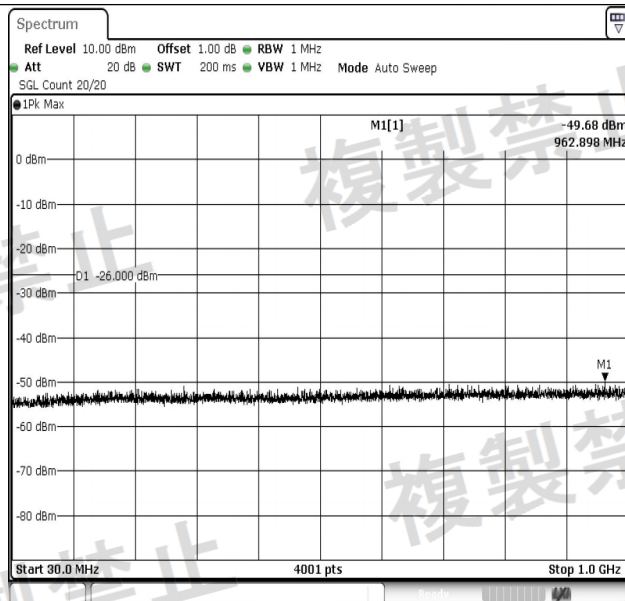
NTNV	BLE_2M	Ant1	2402	2387~2400	2399.99	-18.40	≤-16	14.45440	≤25	See table below
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2488.88	-38.42	≤-16	0.14388	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~13000	6967.84	-44.31	≤-26	0.03707	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	927.25	-50.50	≤-26	0.00891	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	1771.87	-49.07	≤-26	0.01239	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2399.19	-37.87	≤-16	0.16331	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2491.61	-38.08	≤-16	0.15560	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	6918.47	-44.77	≤-26	0.03334	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	772.78	-50.54	≤-26	0.00883	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	2210.16	-49.19	≤-26	0.01205	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2392.71	-38.59	≤-16	0.13836	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2495.82	-38.16	≤-16	0.15276	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~13000	6966.26	-44.68	≤-26	0.03404	≤2.5	PASS

Test Result_Step2

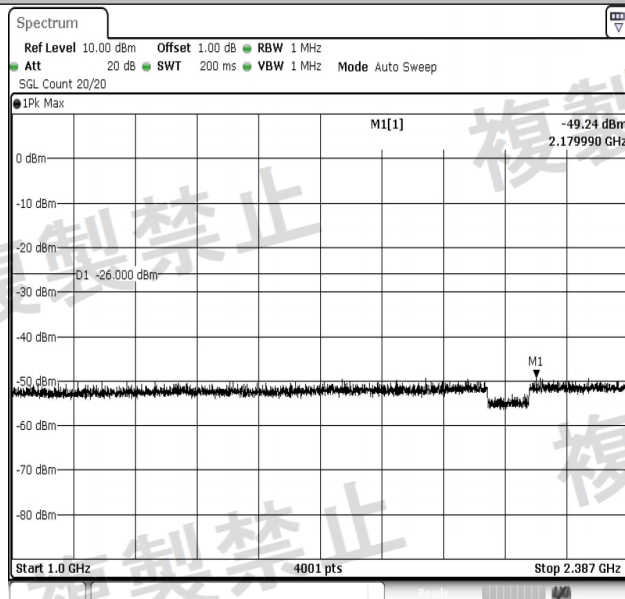
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	BLE_2M	Ant1	2402	2399.99	-22.38	≤-16	5.78096	≤25	PASS



Test Graphs

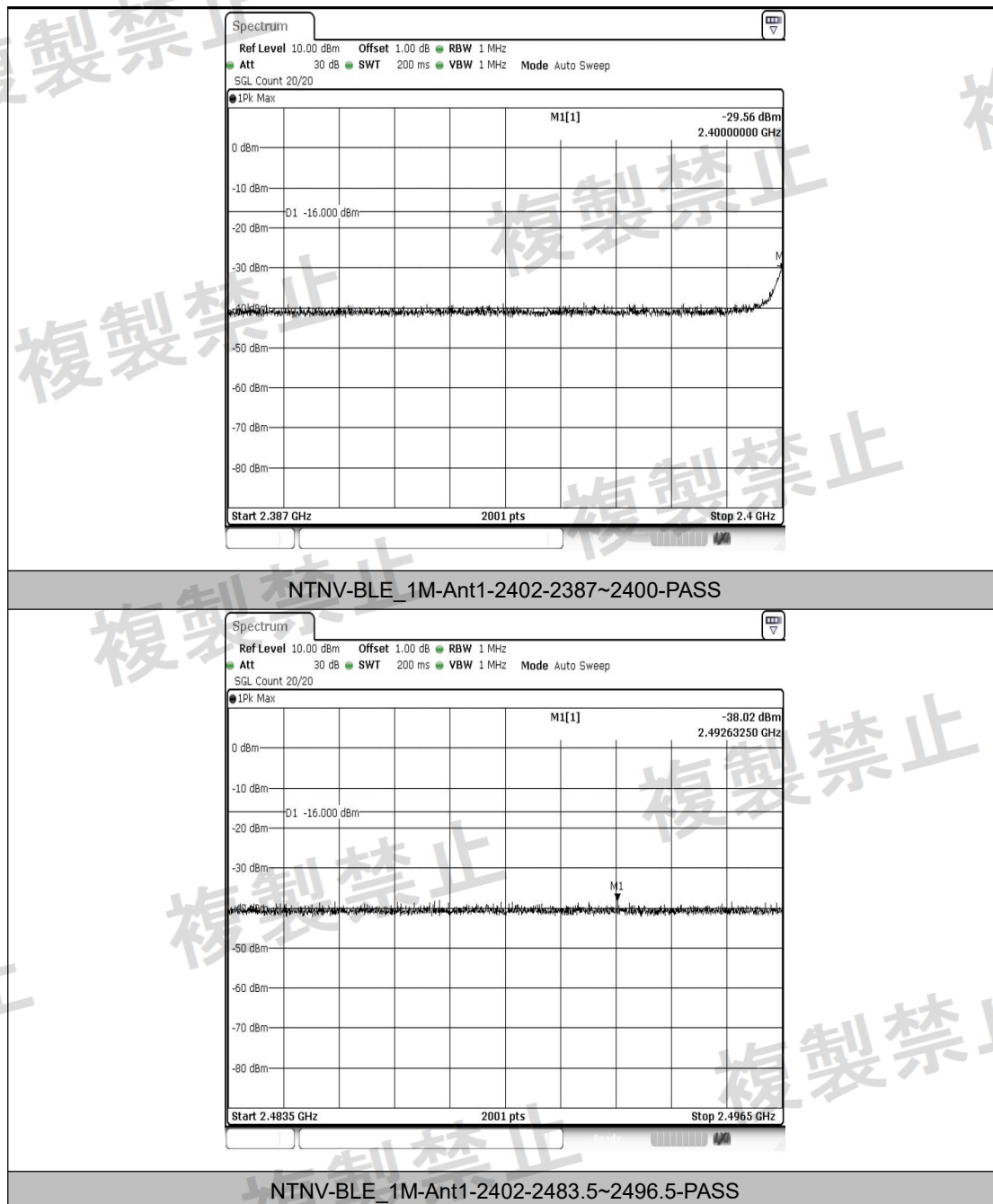


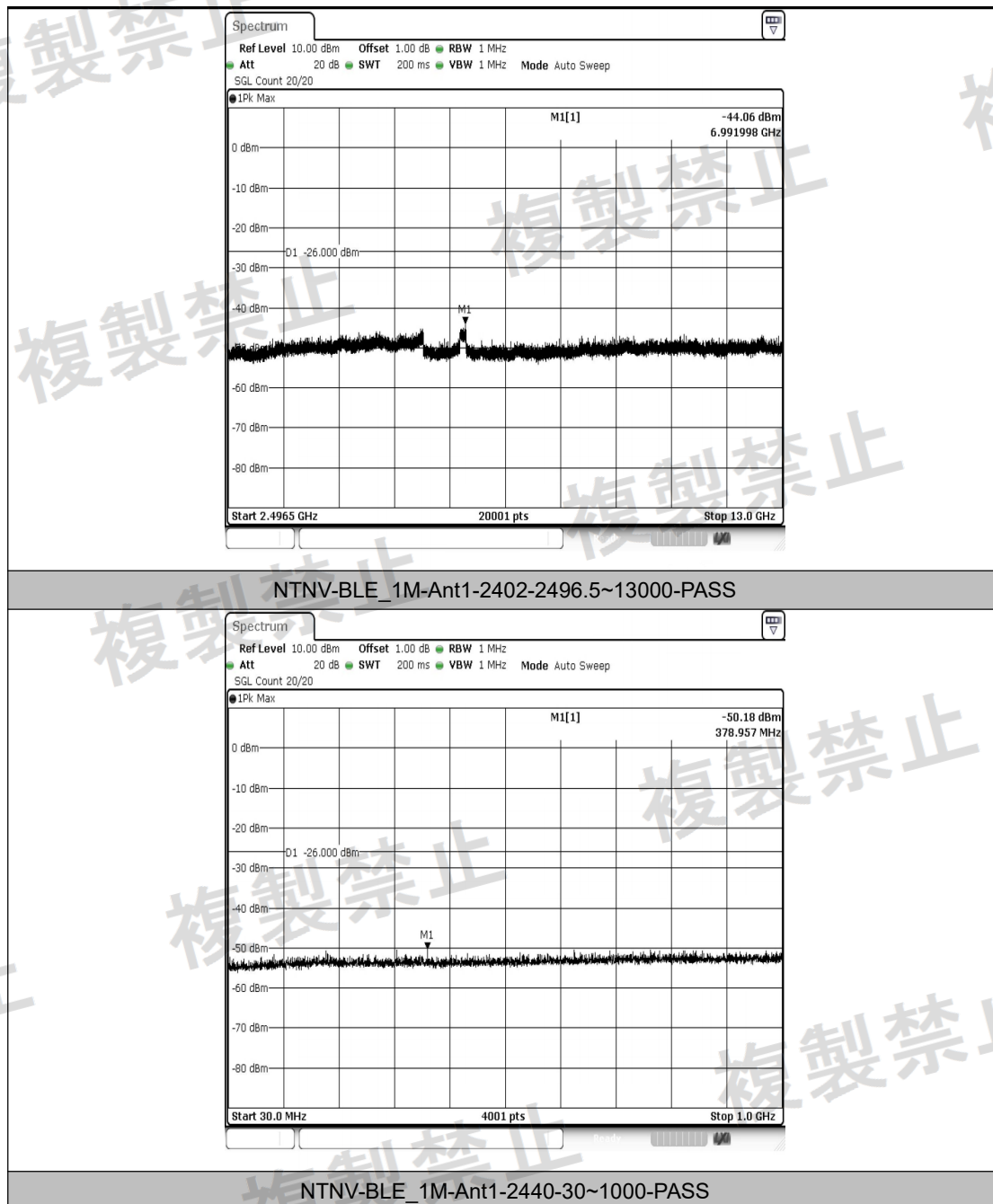
NTNV-BLE_1M-Ant1-2402-30~1000-PASS

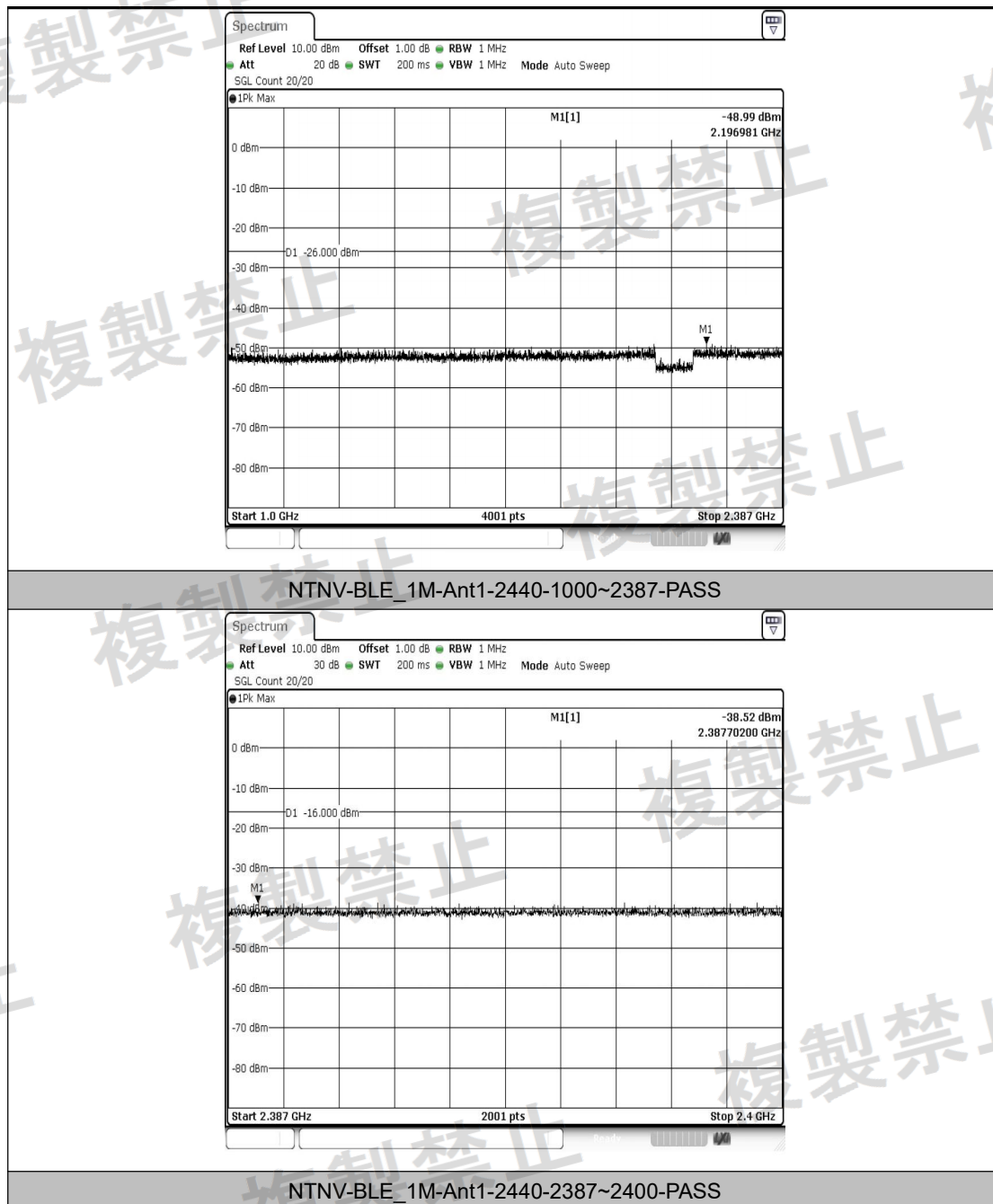


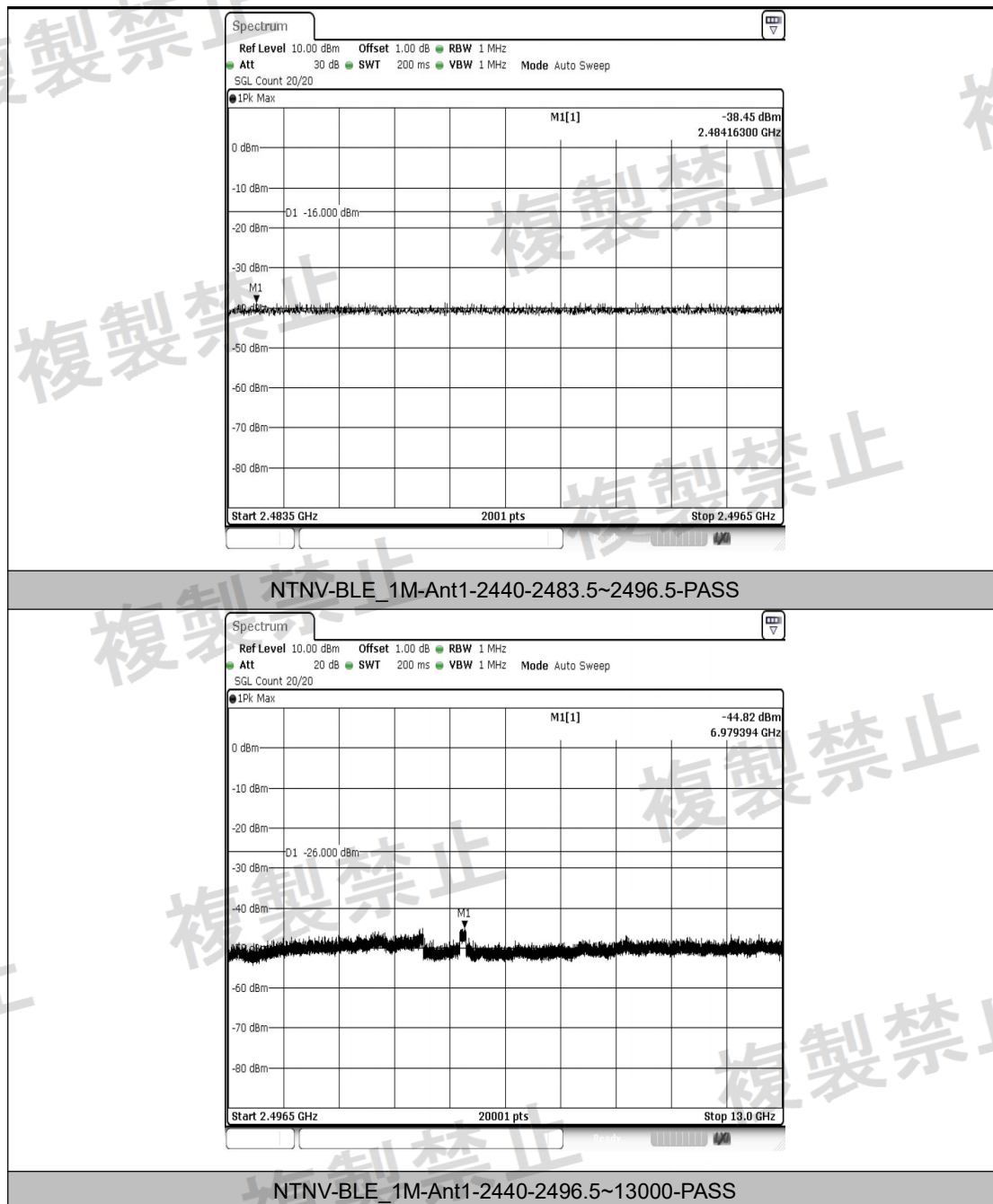
NTNV-BLE_1M-Ant1-2402-1000~2387-PASS

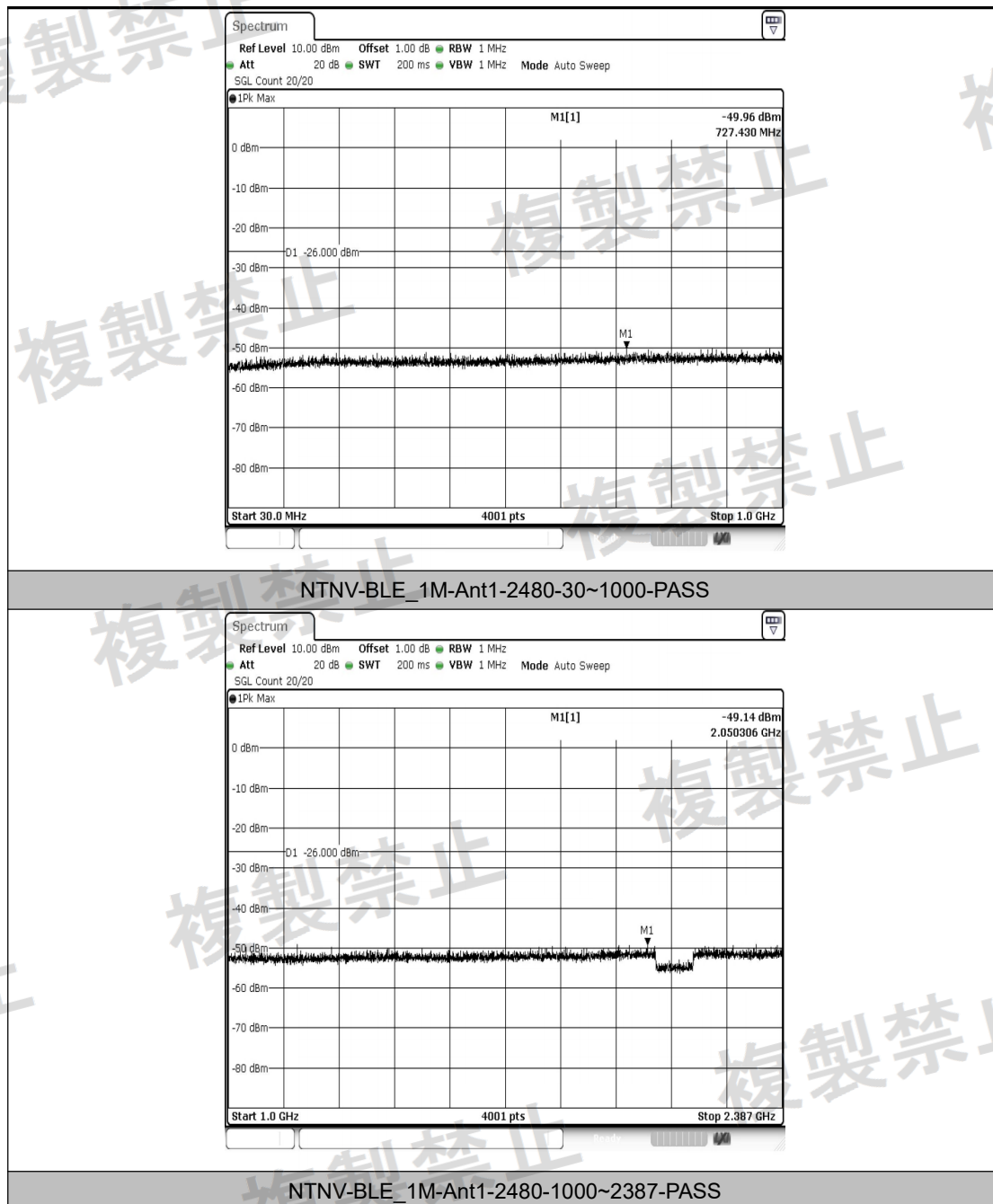


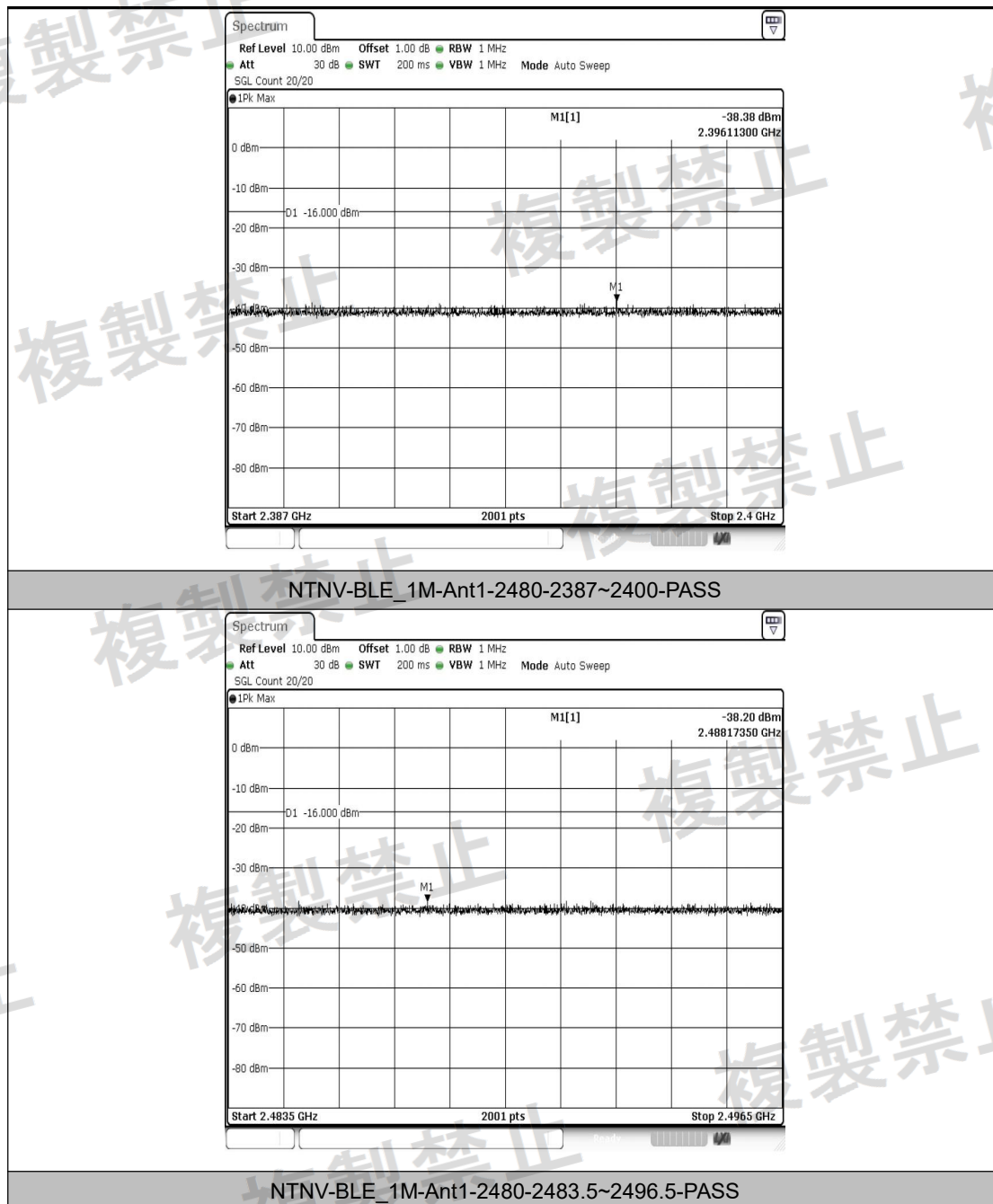


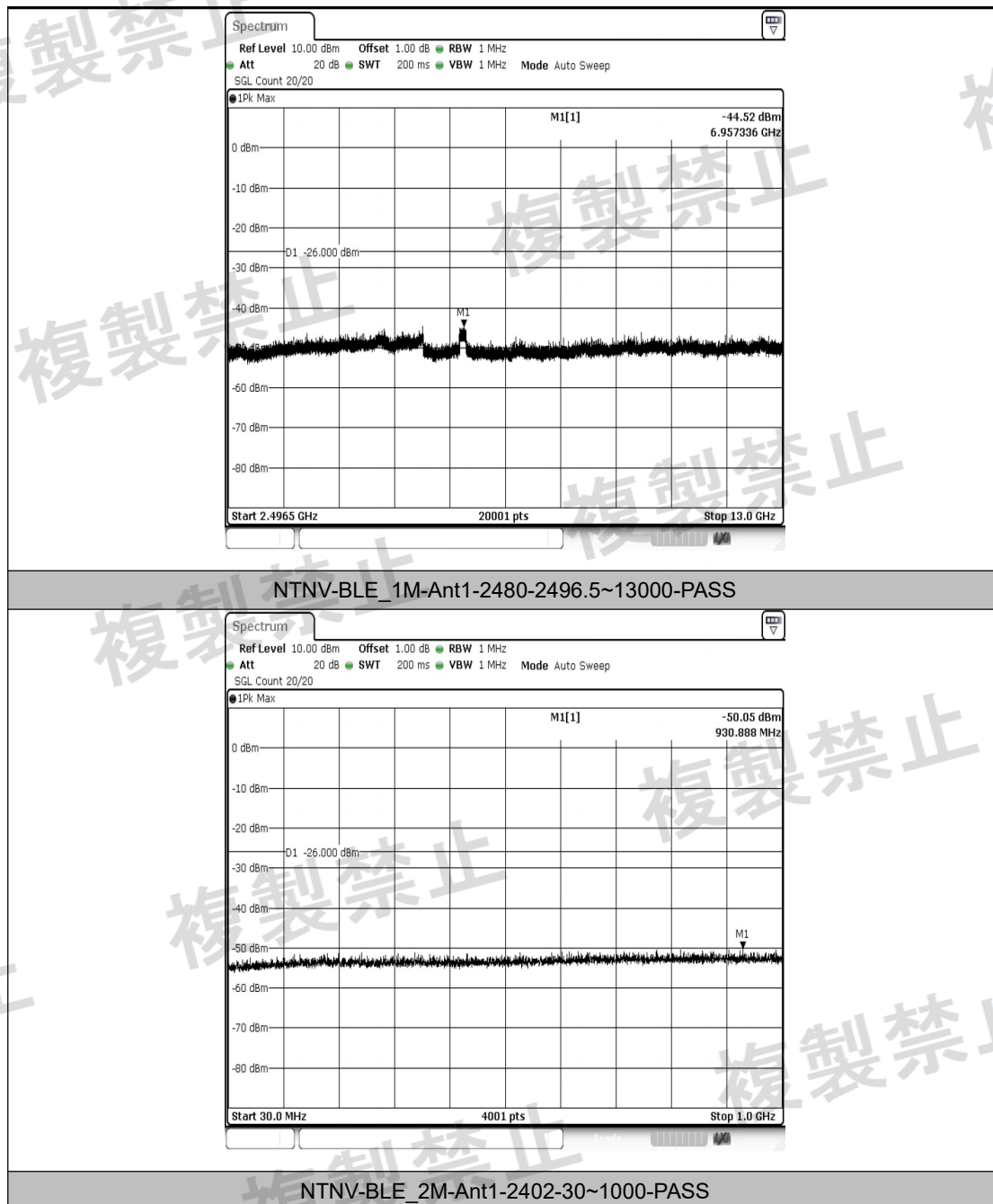


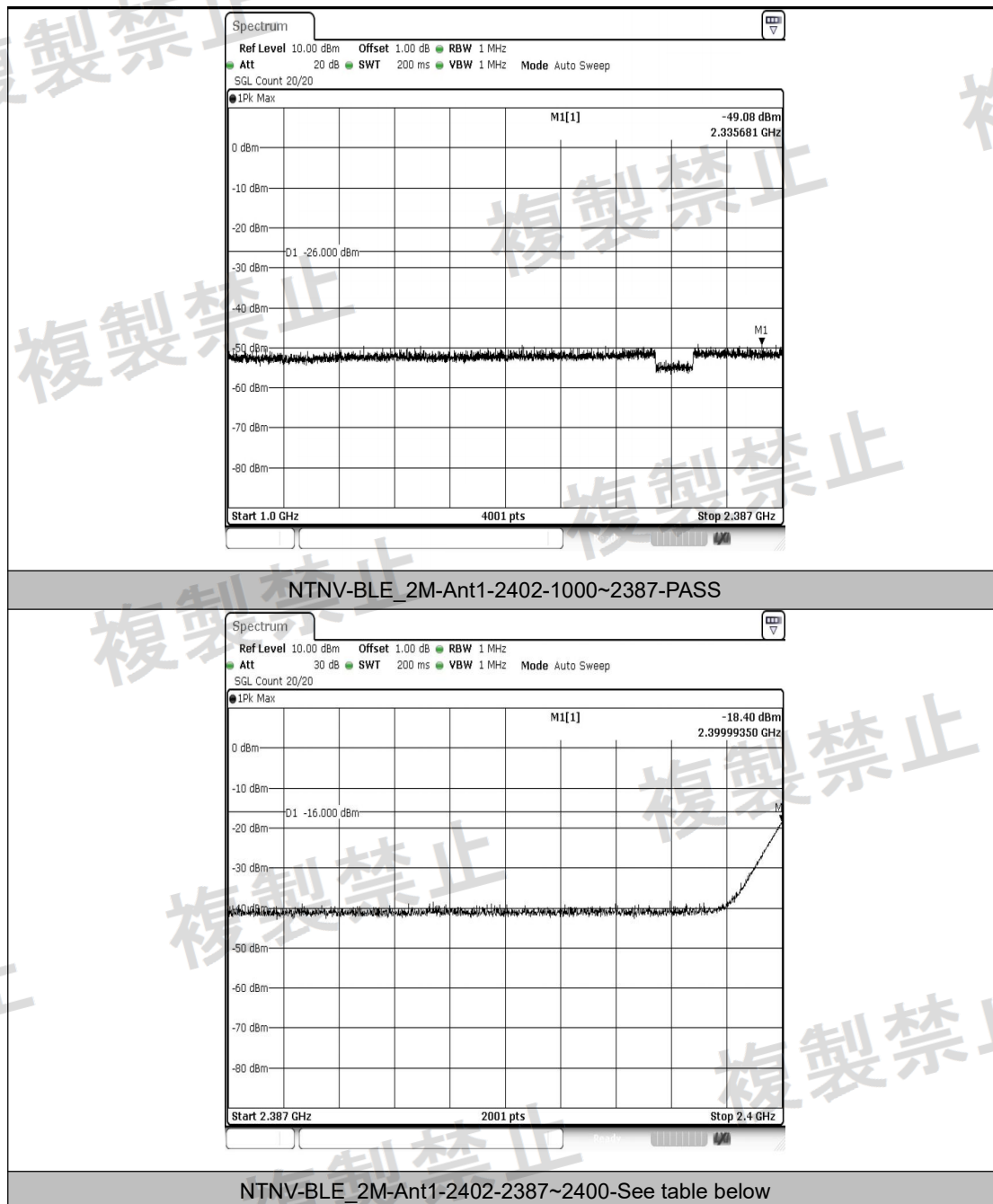


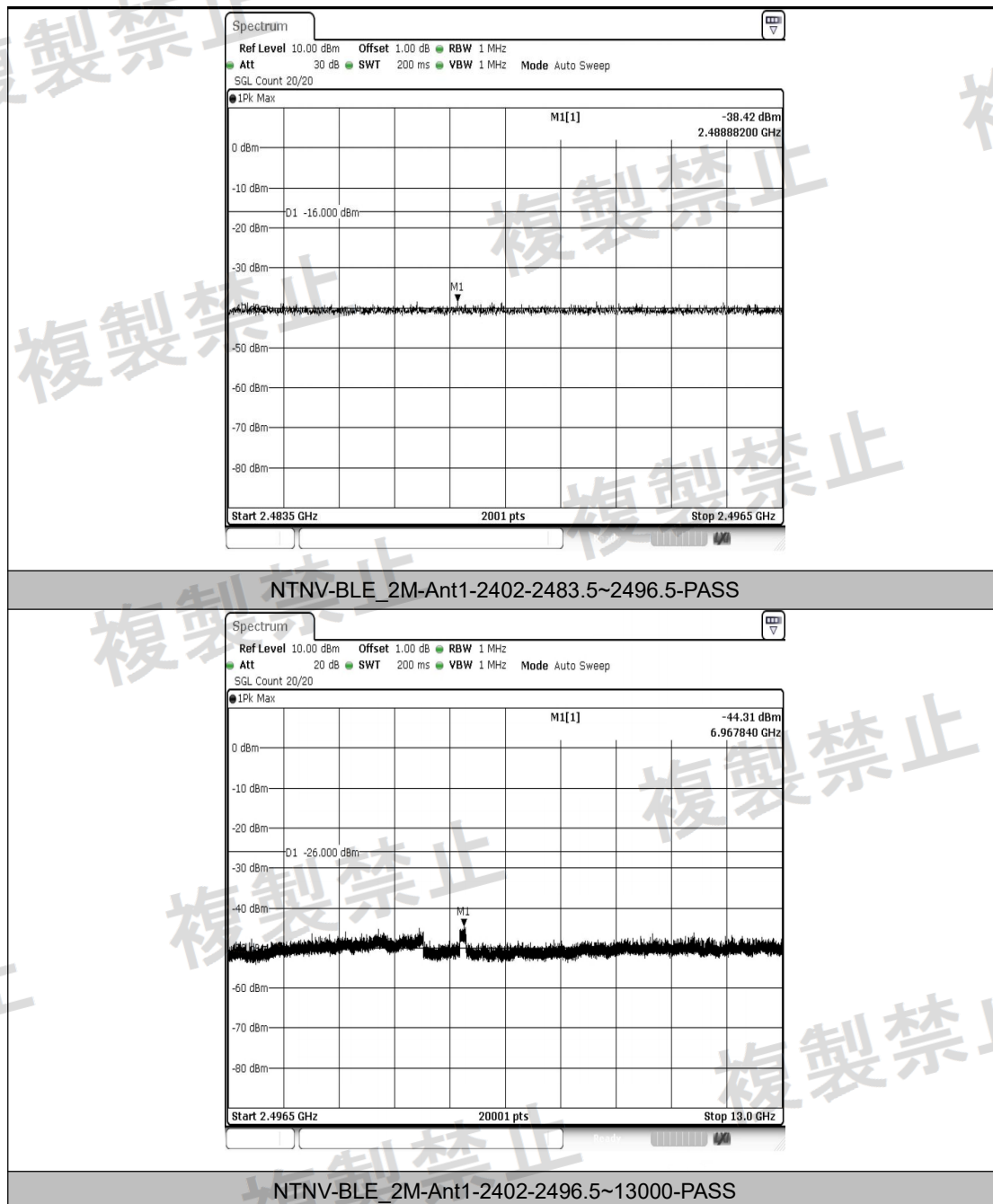


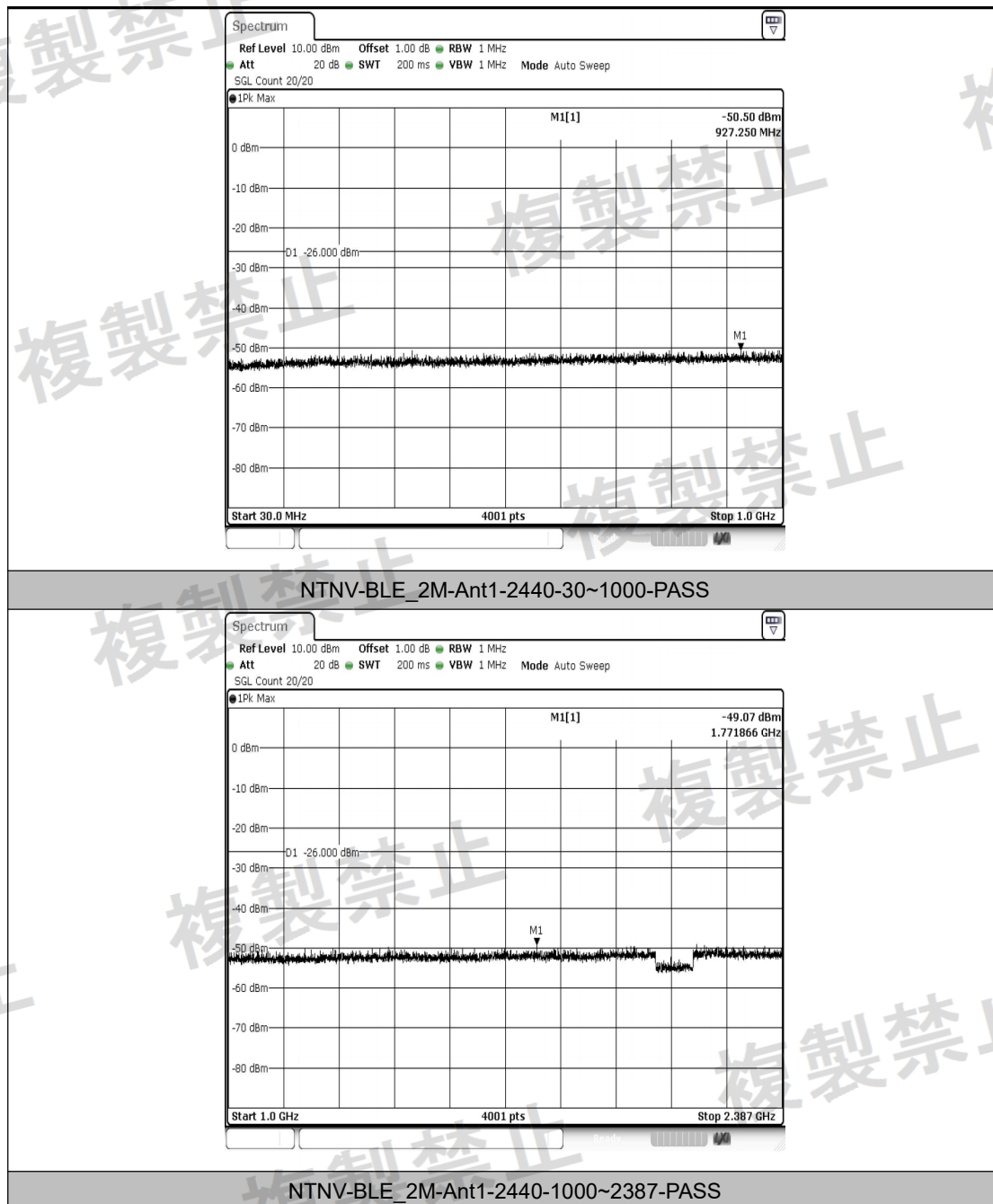


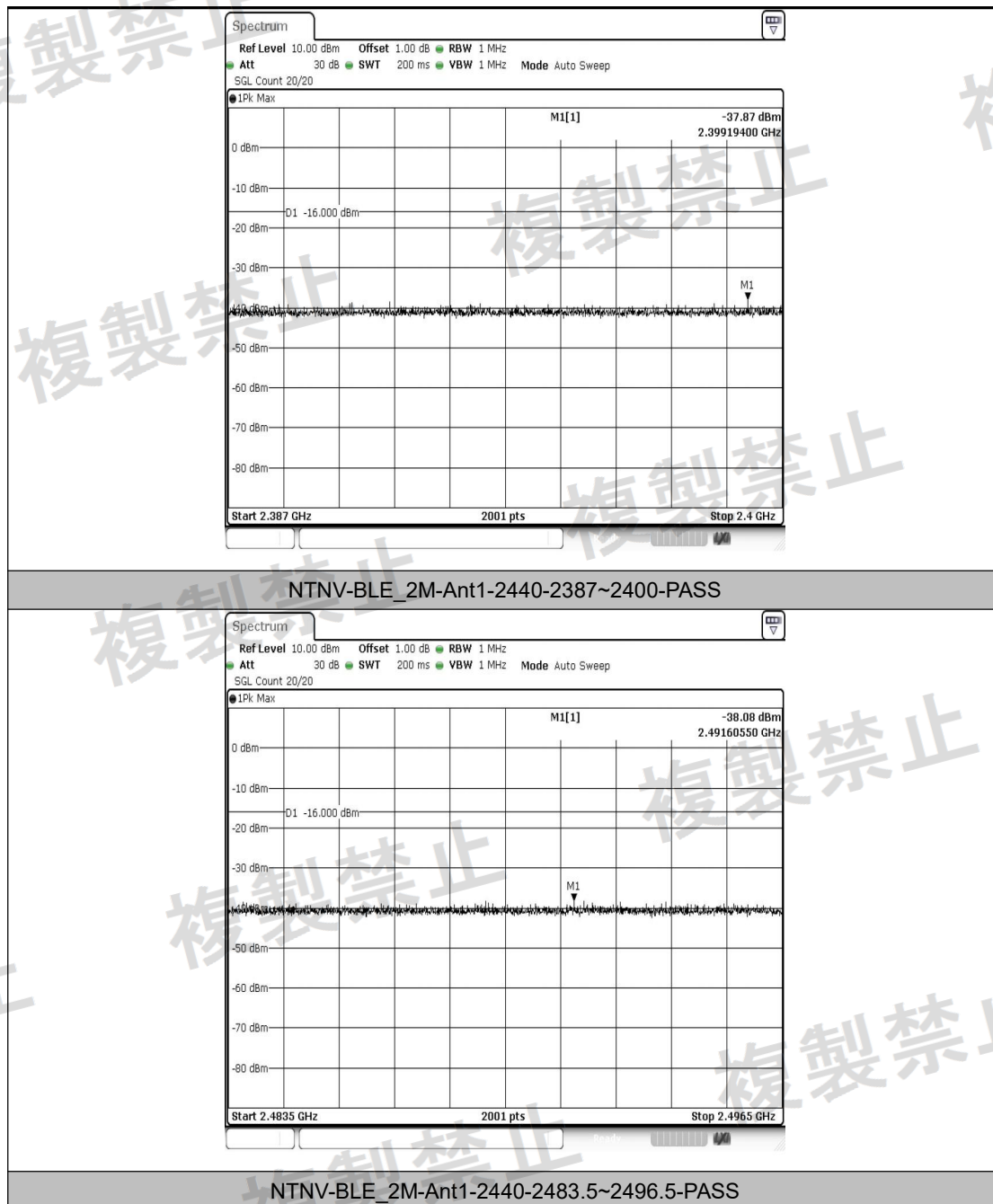


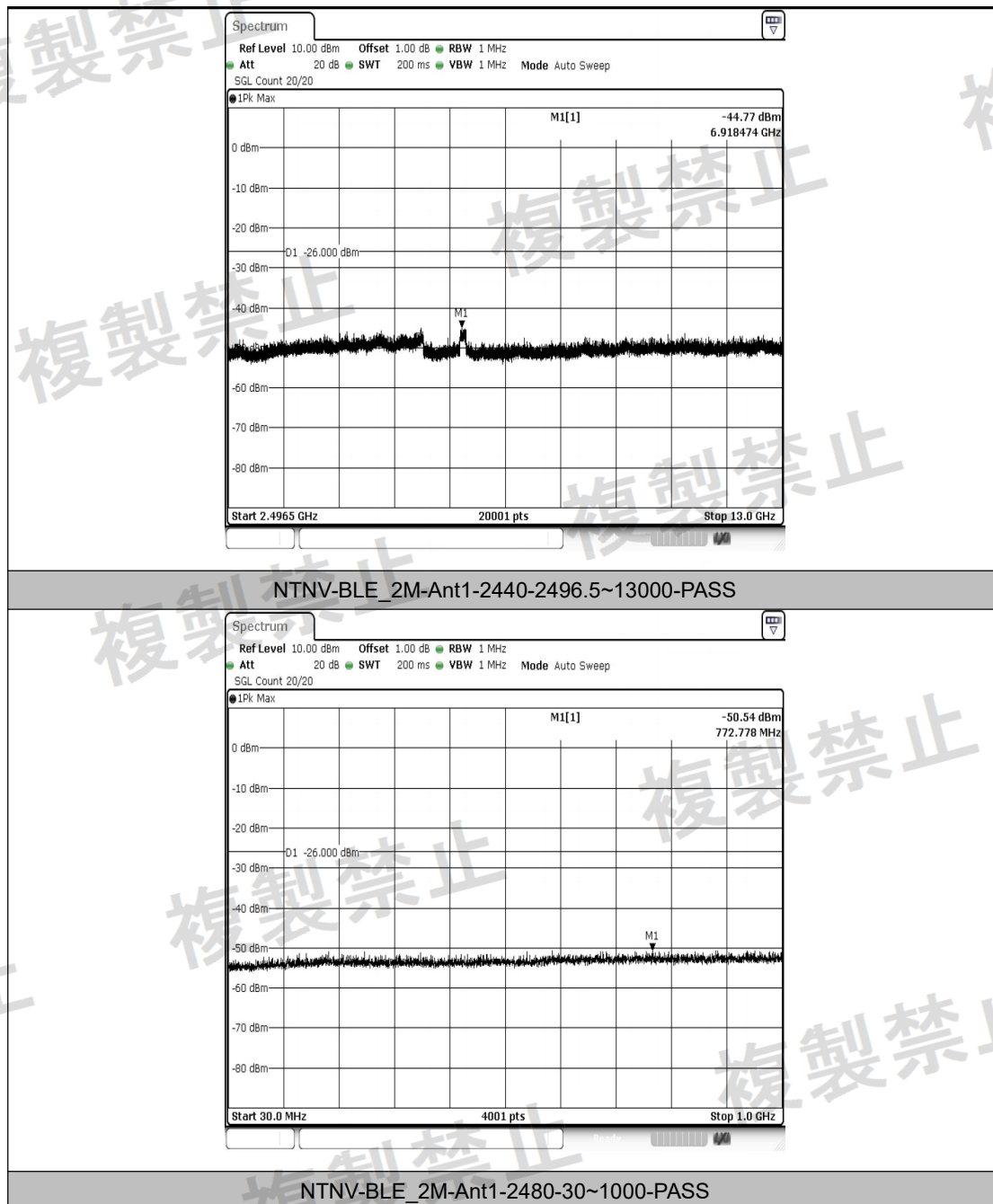


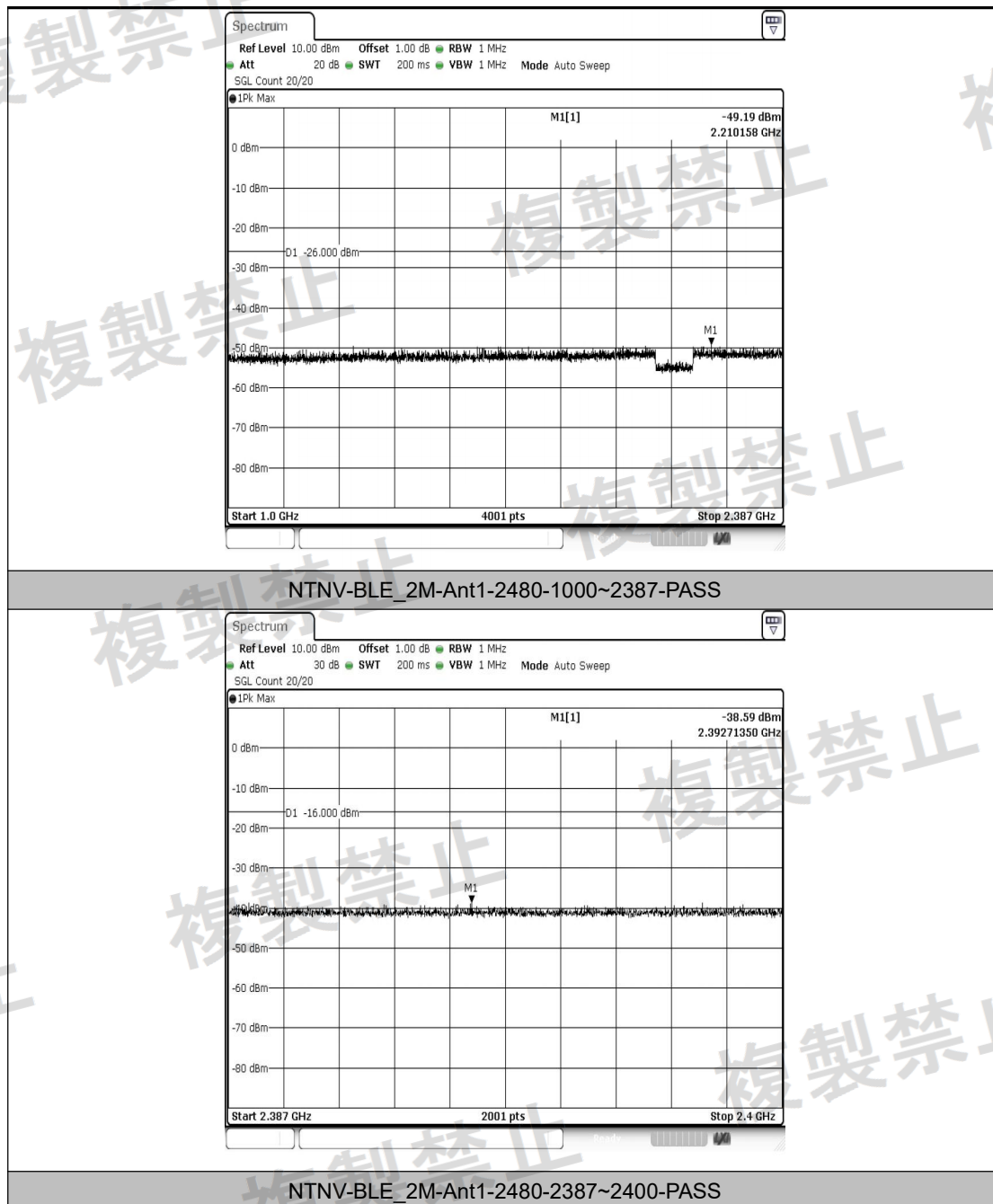


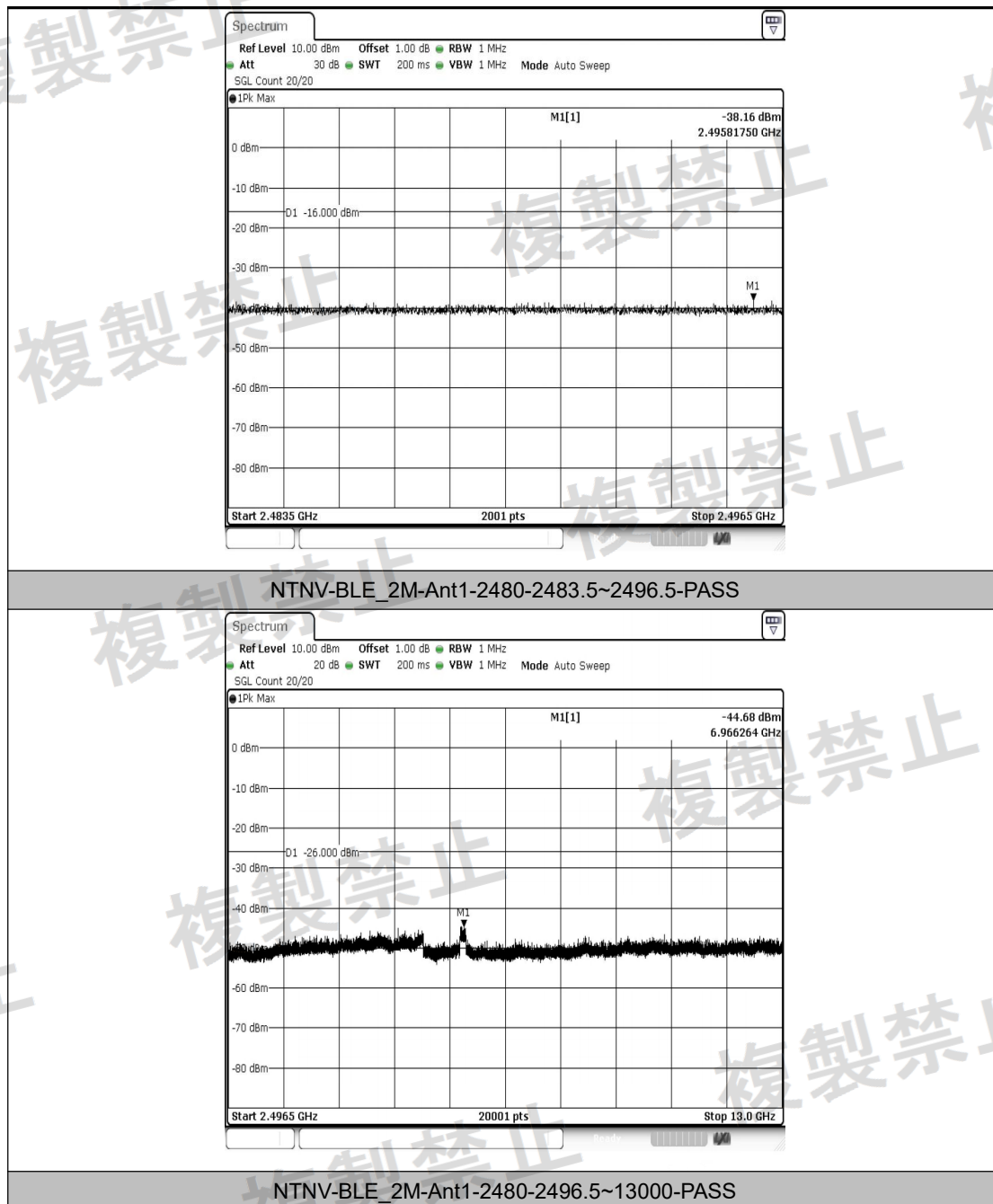




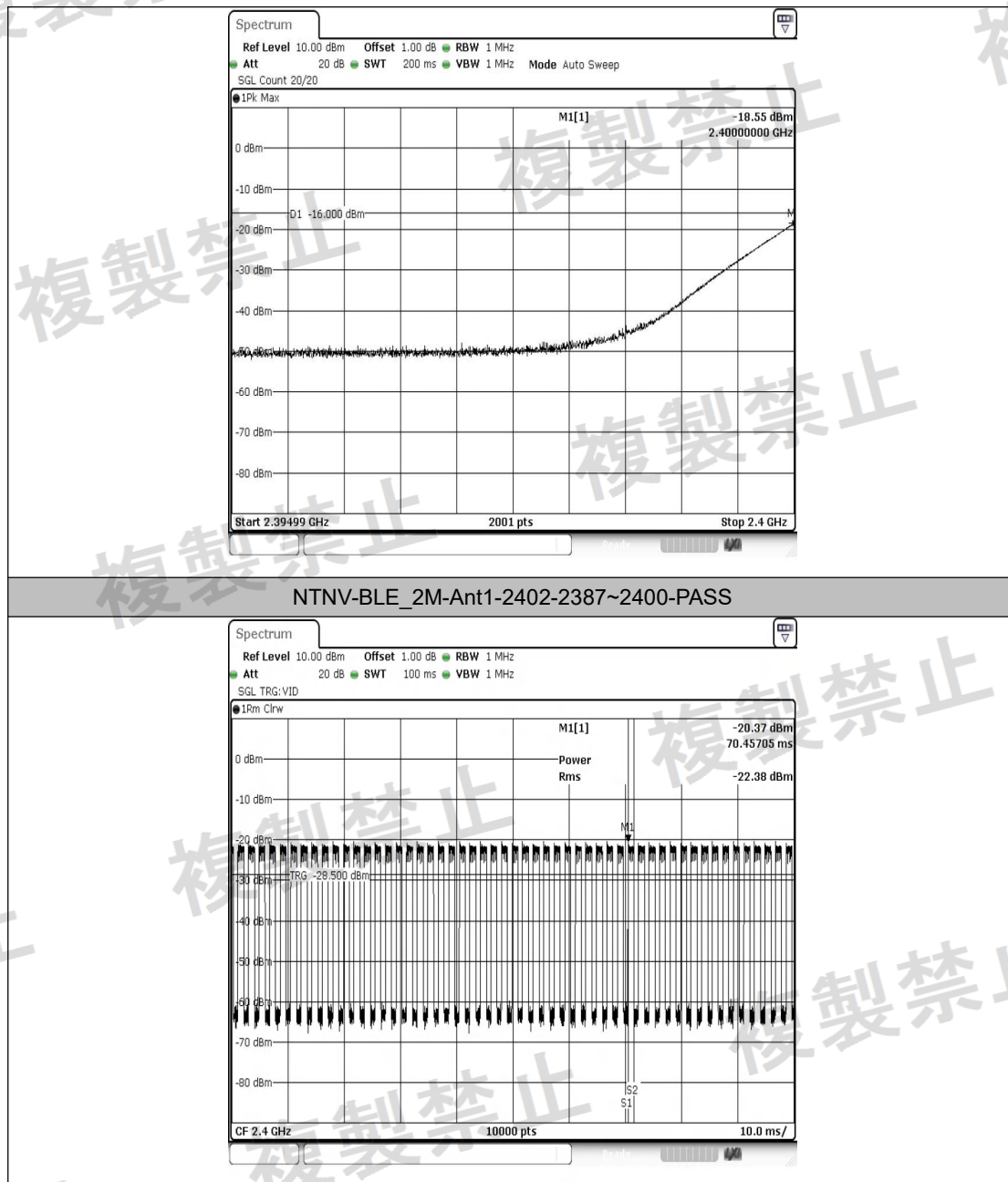








Test Graphs_Step2



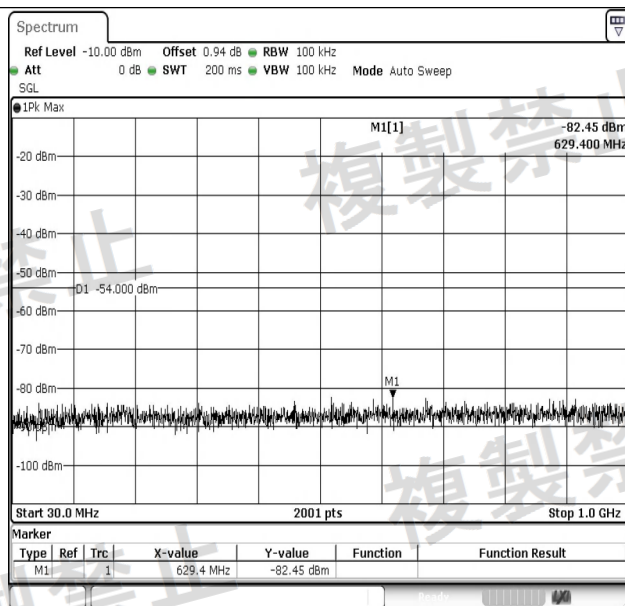
Appendix E: Spurious Emission of RX

Test Result

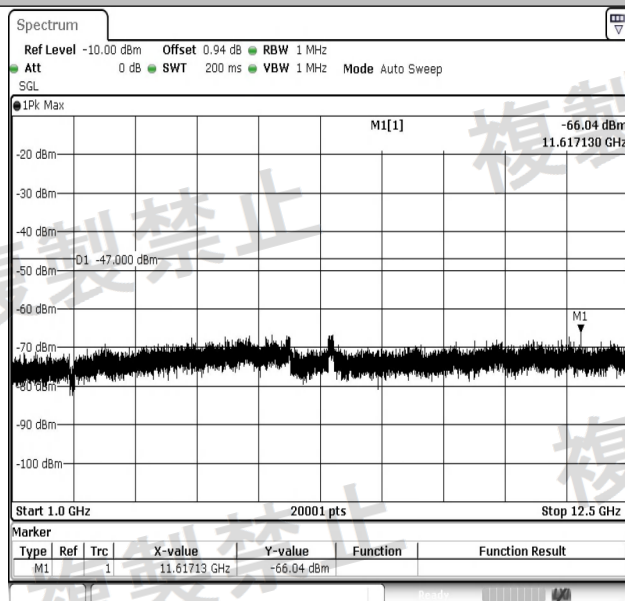
Test Condition	Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	629.40	-82.45	≤-54	0.00569	≤4	PASS
NTNV	BLE_1M	Ant1	2402	1000~12500	11617.13	-66.04	≤-47	0.24889	≤20	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	918.80	-82.92	≤-54	0.00511	≤4	PASS
NTNV	BLE_1M	Ant1	2440	1000~12500	6954.11	-66.41	≤-47	0.22856	≤20	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	875.66	-81.59	≤-54	0.00693	≤4	PASS
NTNV	BLE_1M	Ant1	2480	1000~12500	6974.24	-66.28	≤-47	0.23550	≤20	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	705.02	-81.77	≤-54	0.00665	≤4	PASS
NTNV	BLE_2M	Ant1	2402	1000~12500	6982.86	-65.37	≤-47	0.29040	≤20	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	773.86	-82.14	≤-54	0.00611	≤4	PASS
NTNV	BLE_2M	Ant1	2440	1000~12500	6138.23	-66.13	≤-47	0.24378	≤20	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	739.44	-82.43	≤-54	0.00571	≤4	PASS
NTNV	BLE_2M	Ant1	2480	1000~12500	6901.79	-65.55	≤-47	0.27861	≤20	PASS



Test Graphs

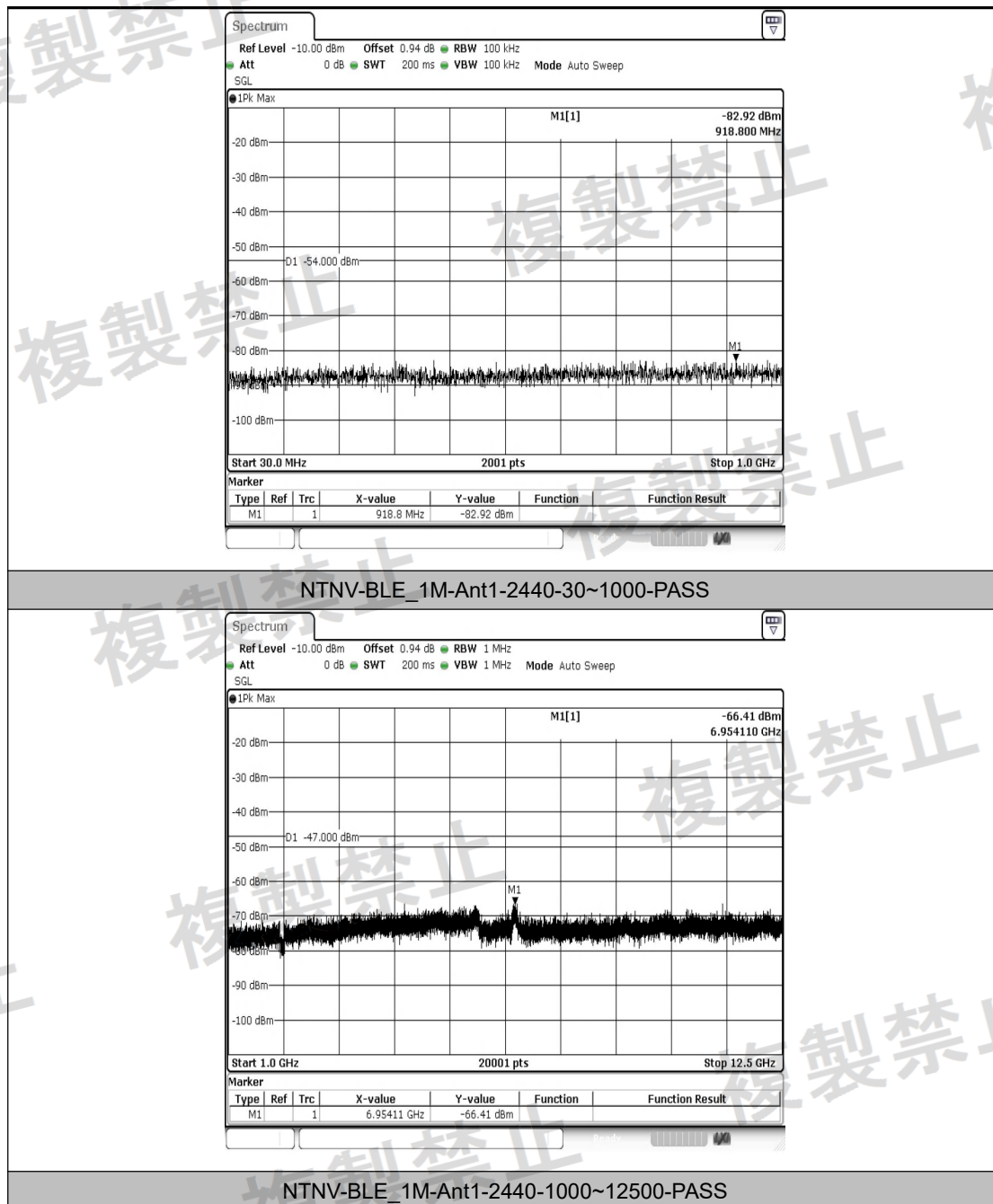


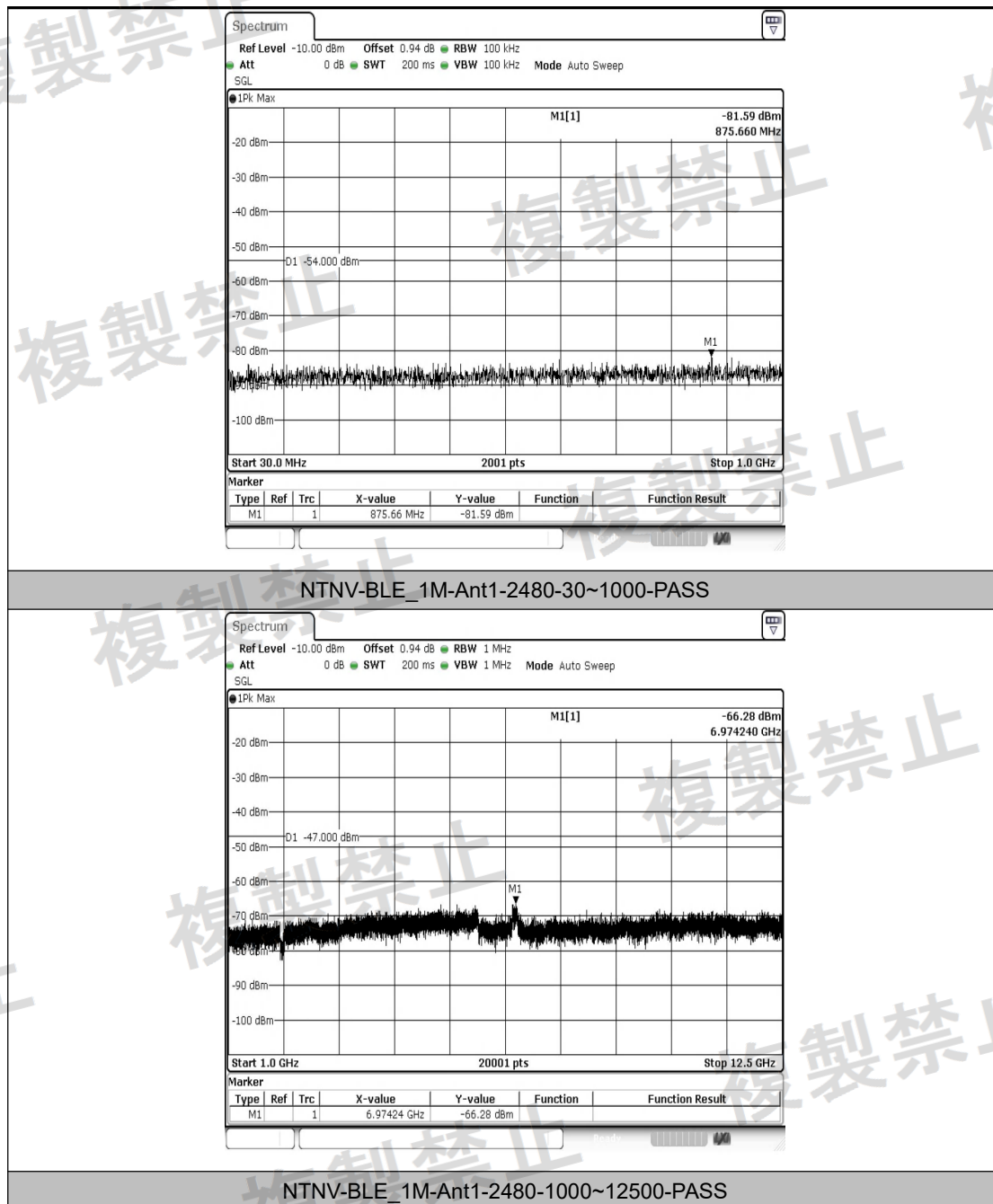
NTNV-BLE_1M-Ant1-2402-30~1000-PASS

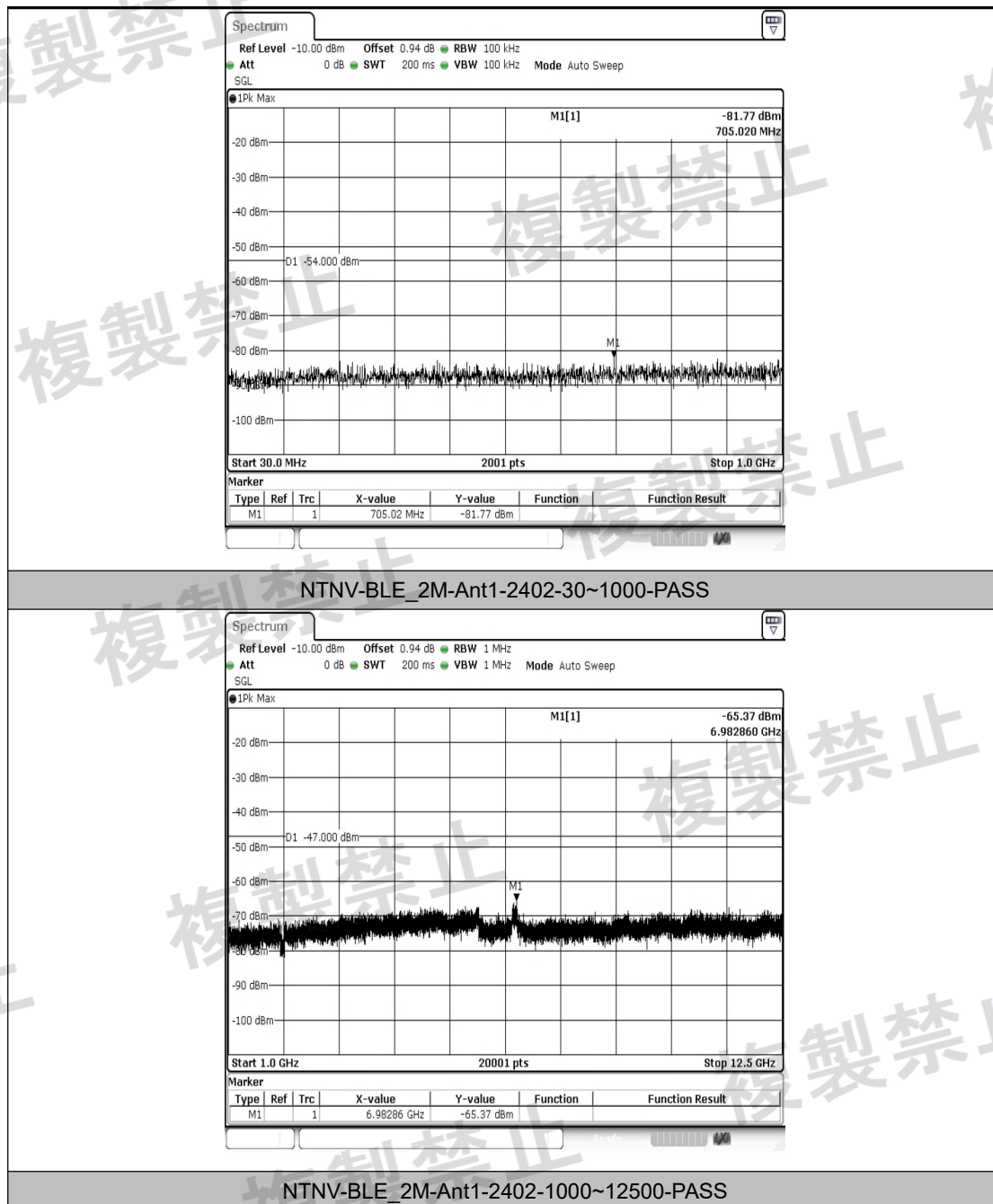


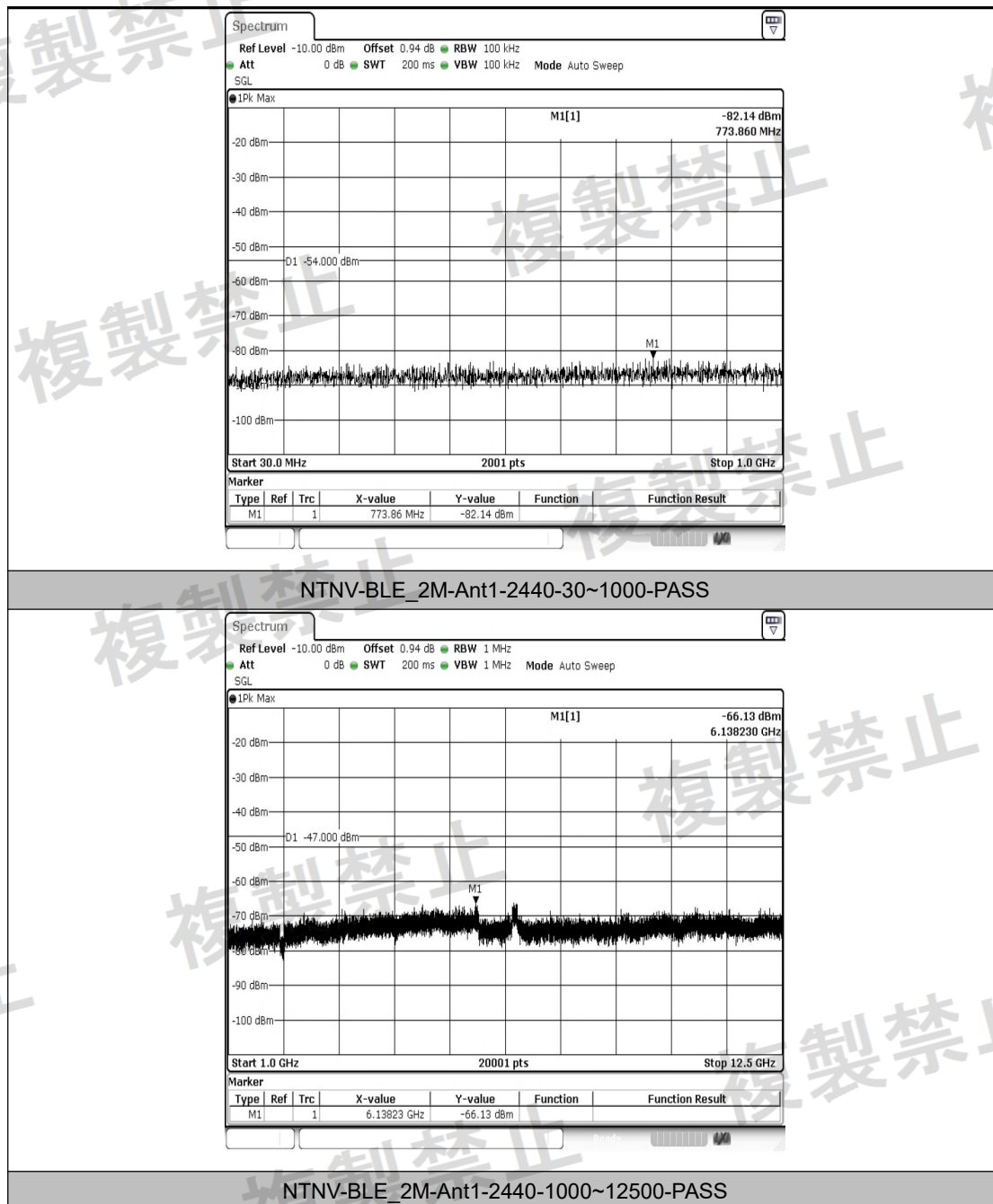
NTNV-BLE_1M-Ant1-2402-1000~12500-PASS

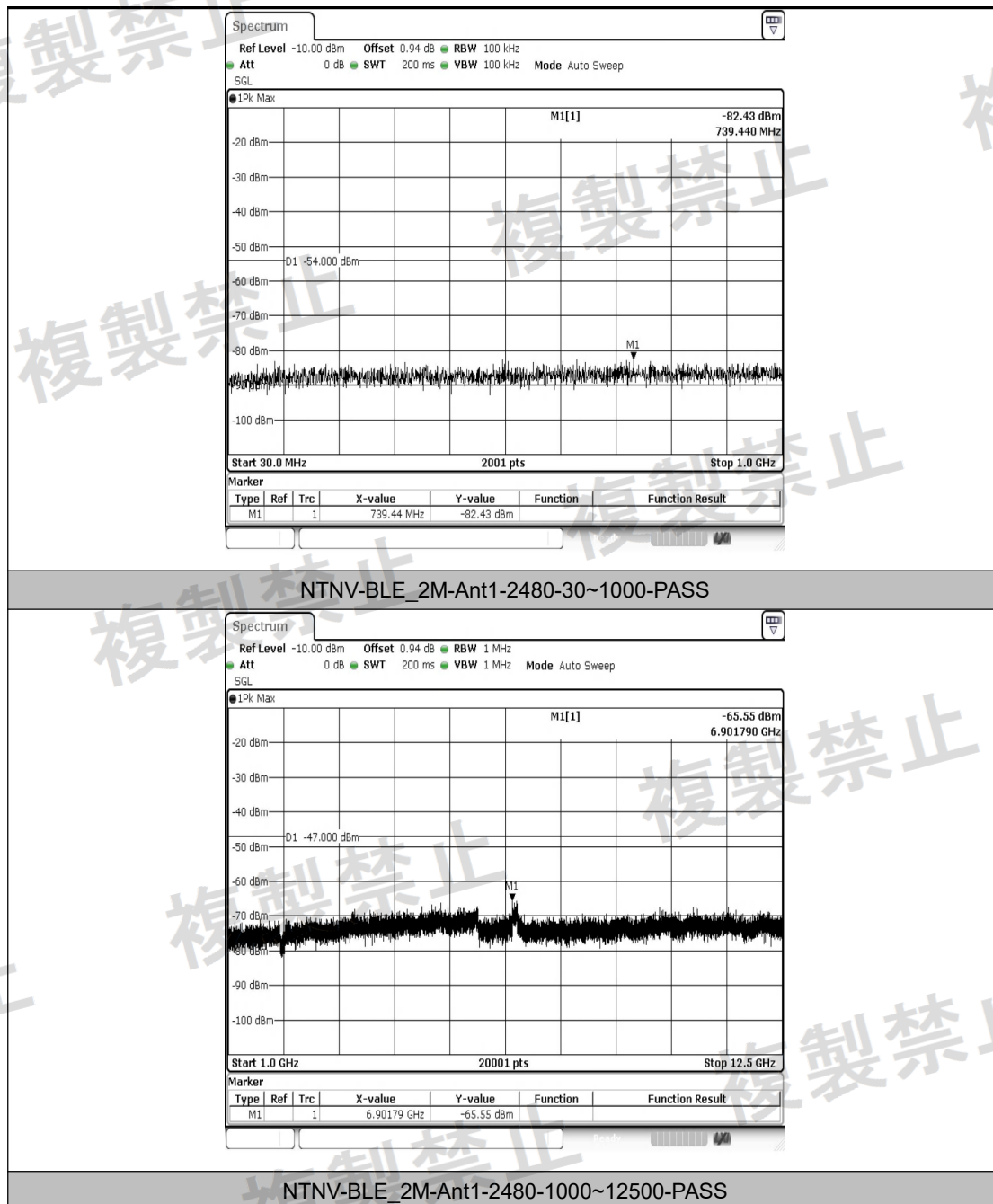












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