

Appendix RF Test Data for BLE

Company : SOHIMI JAPAN, K.K.

EUT : Massager

Model Number : Rowdy

Report No. : CTA25082003701

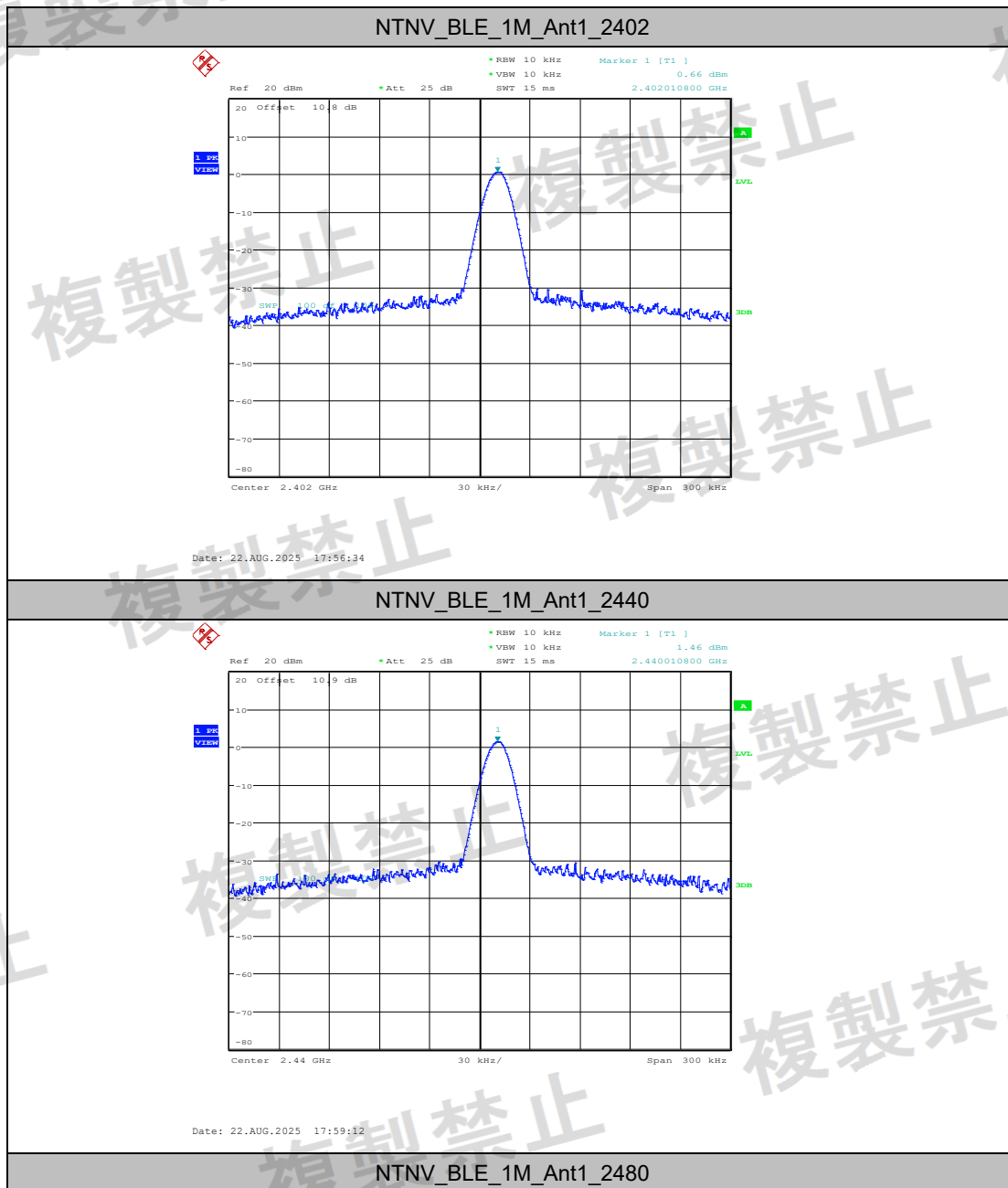
Reviewed By : Eric Wang

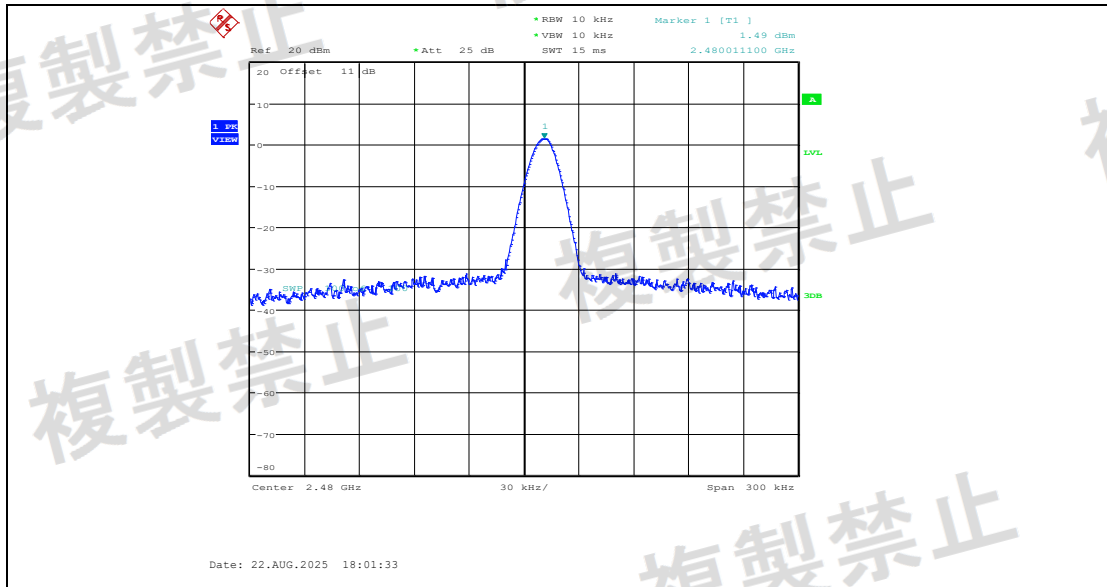
Appendix A: Frequency Error

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	4.49625	±50	PASS
			2440	4.42623	±50	PASS
			2480	4.47581	±50	PASS

Test Graphs



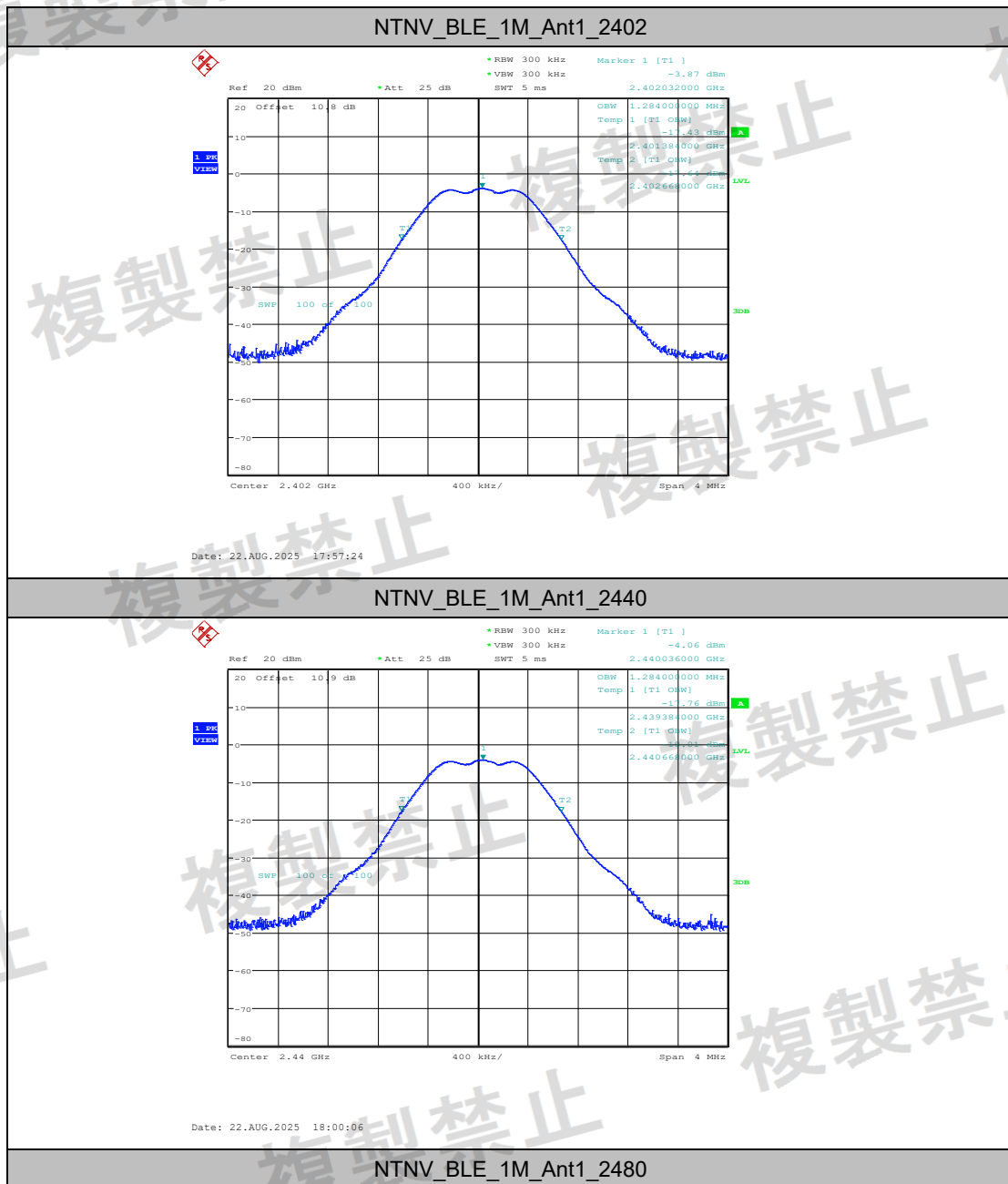


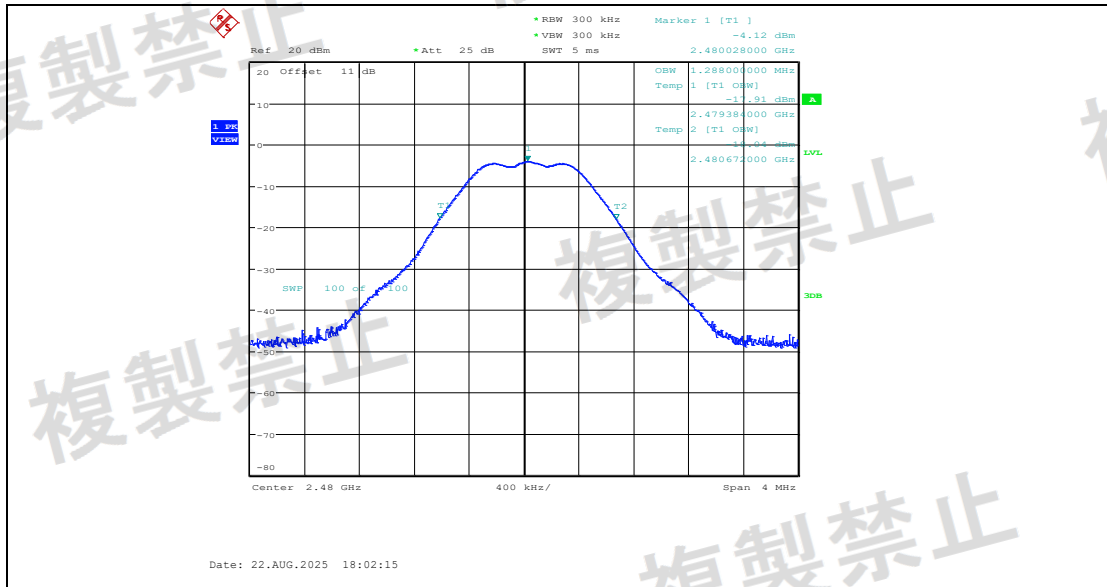
Appendix B: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.284	≤26	PASS
			2440	1.284	≤26	PASS
			2480	1.288	≤26	PASS

Test Graphs



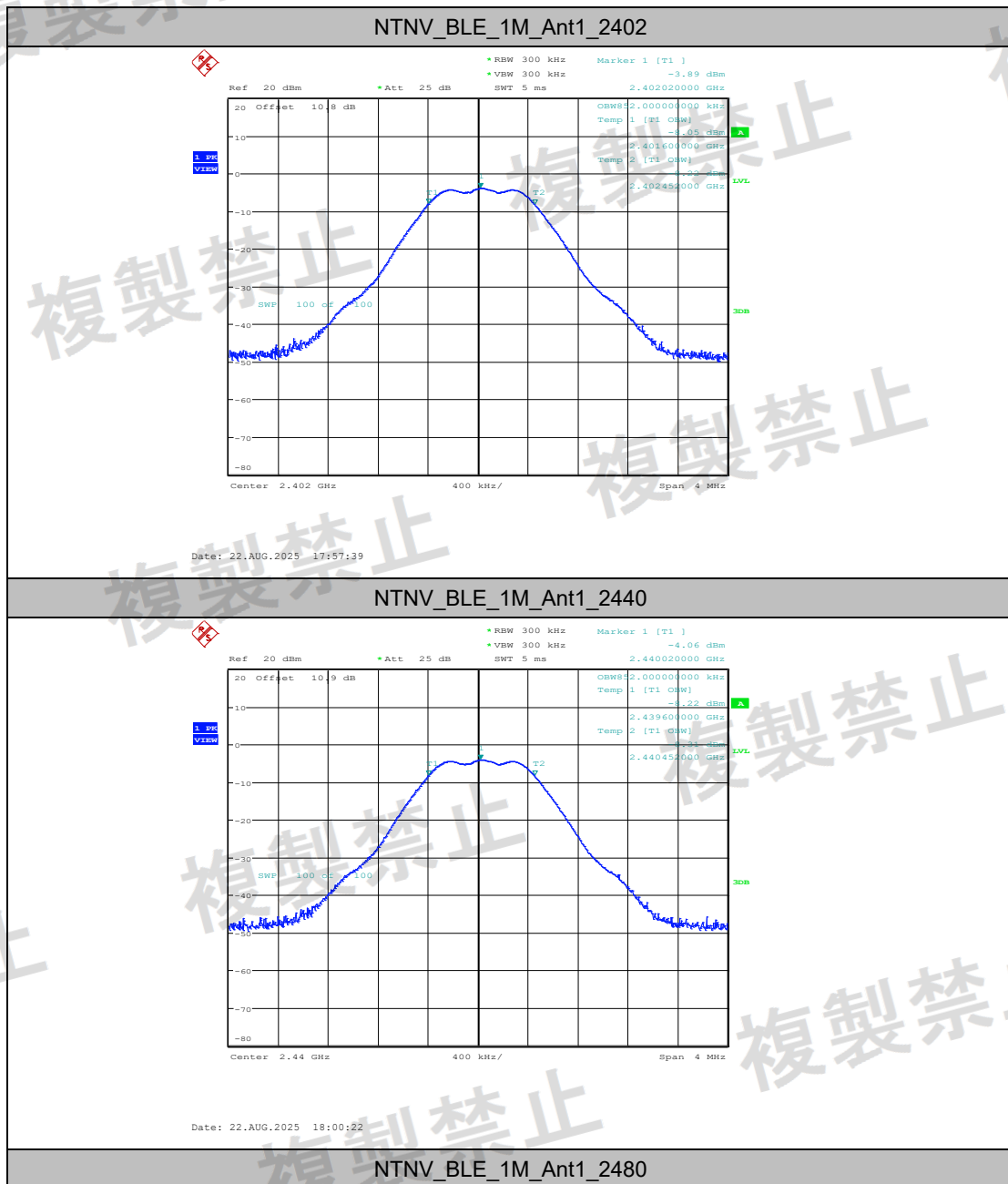


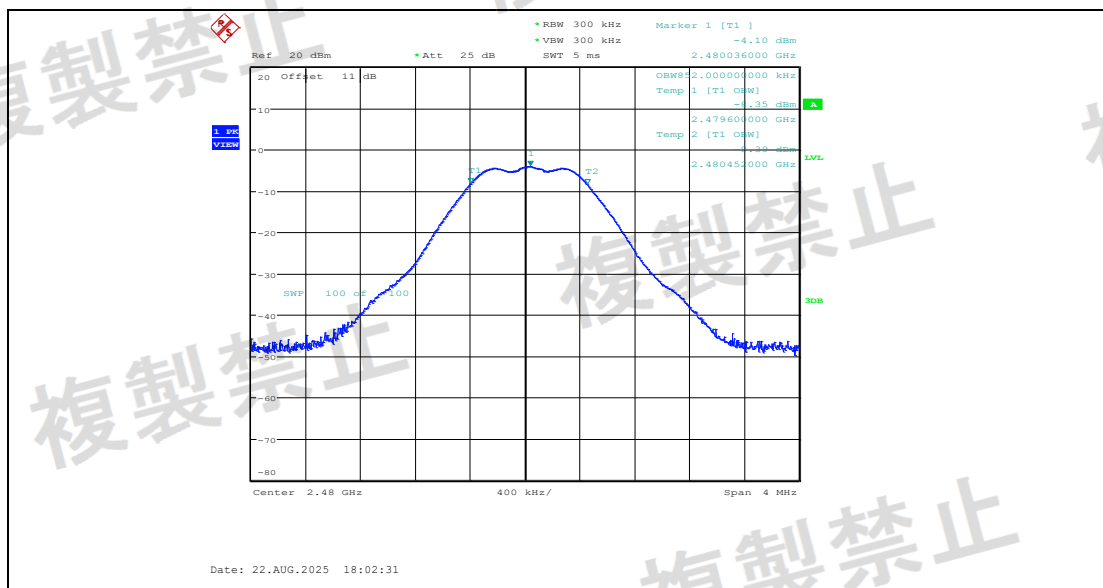
Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.852	≥0.5	PASS
			2440	0.852	≥0.5	PASS
			2480	0.852	≥0.5	PASS

Test Graphs



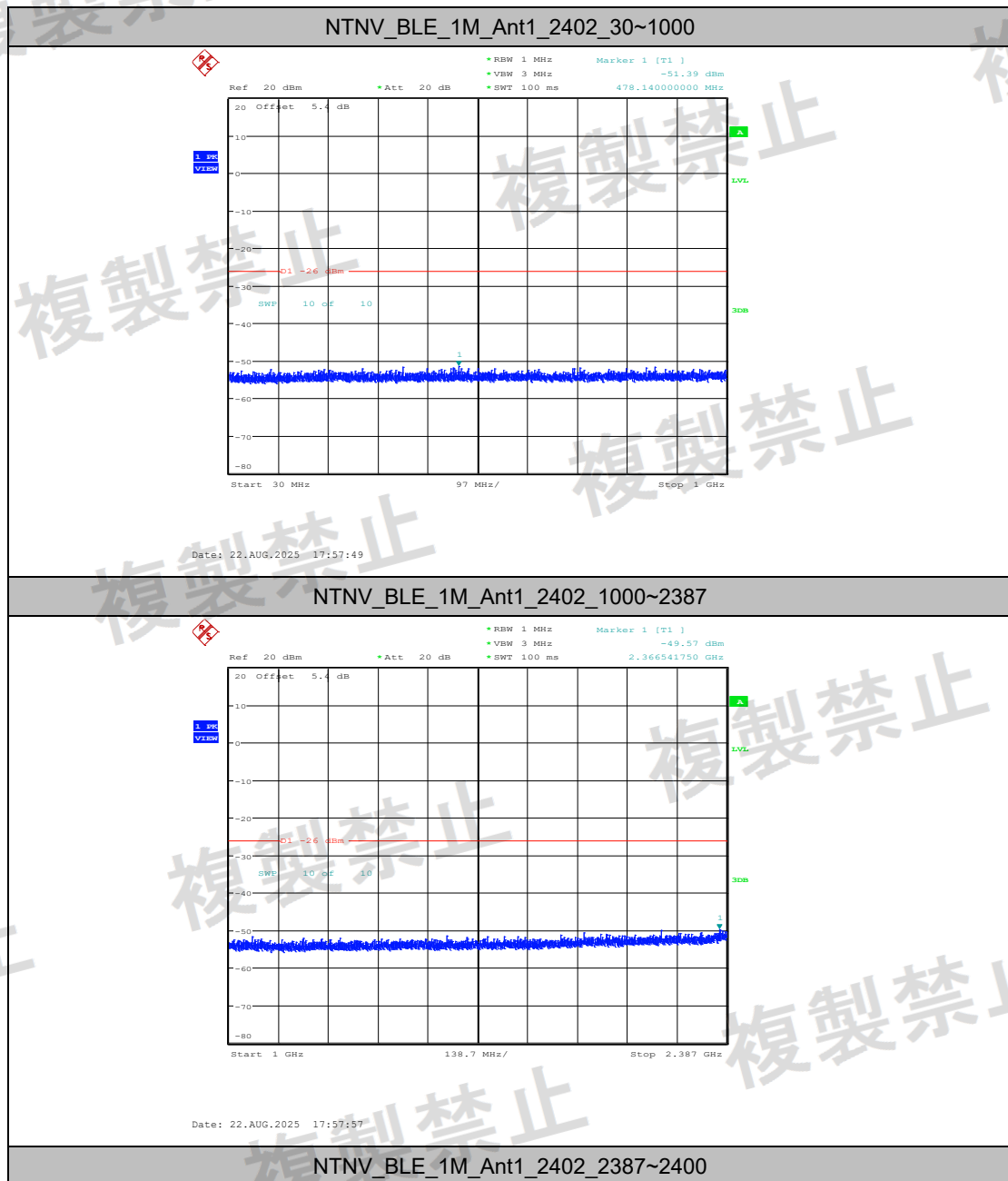


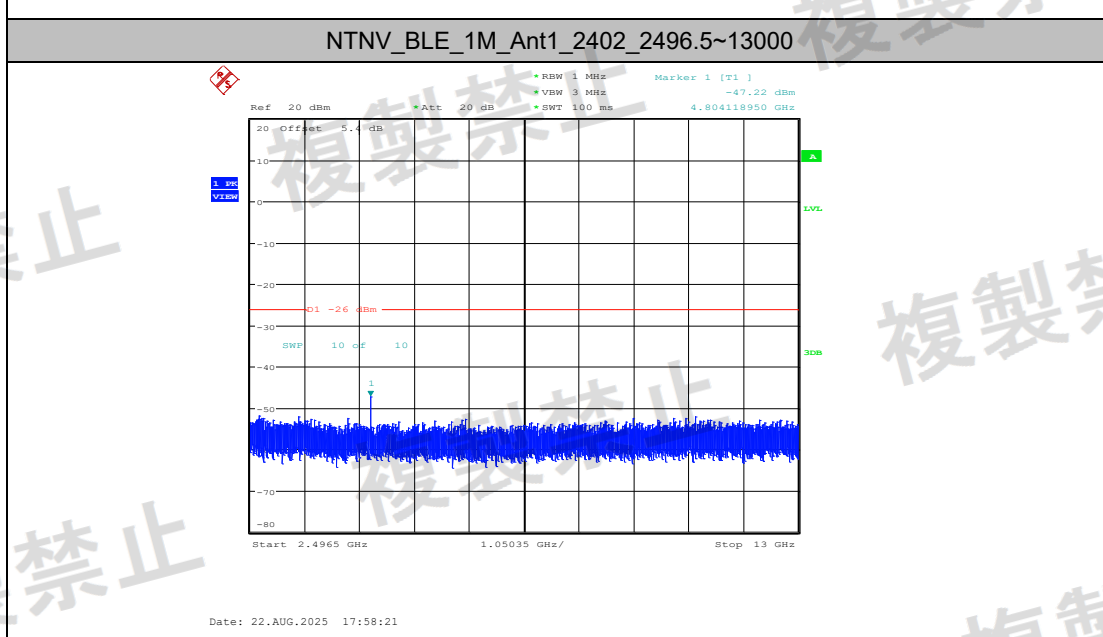
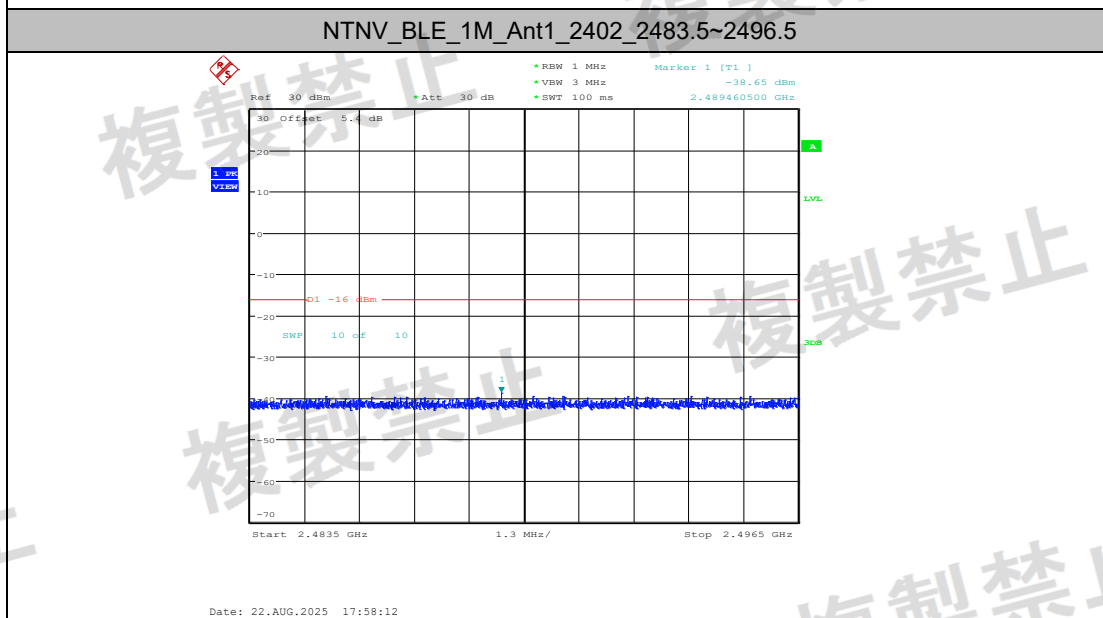
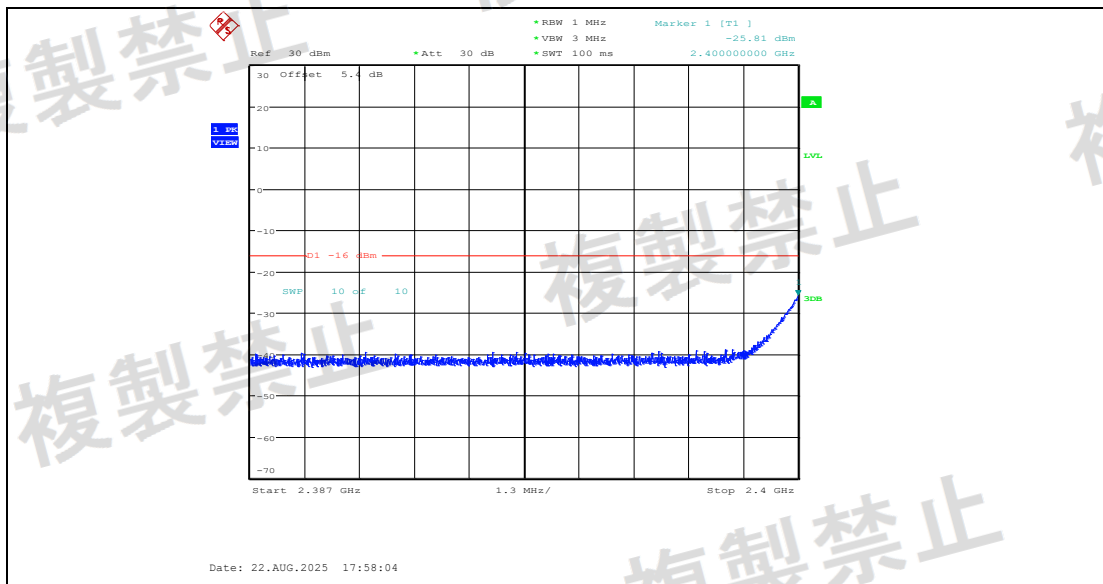
Appendix D: Spurious Emission of TX

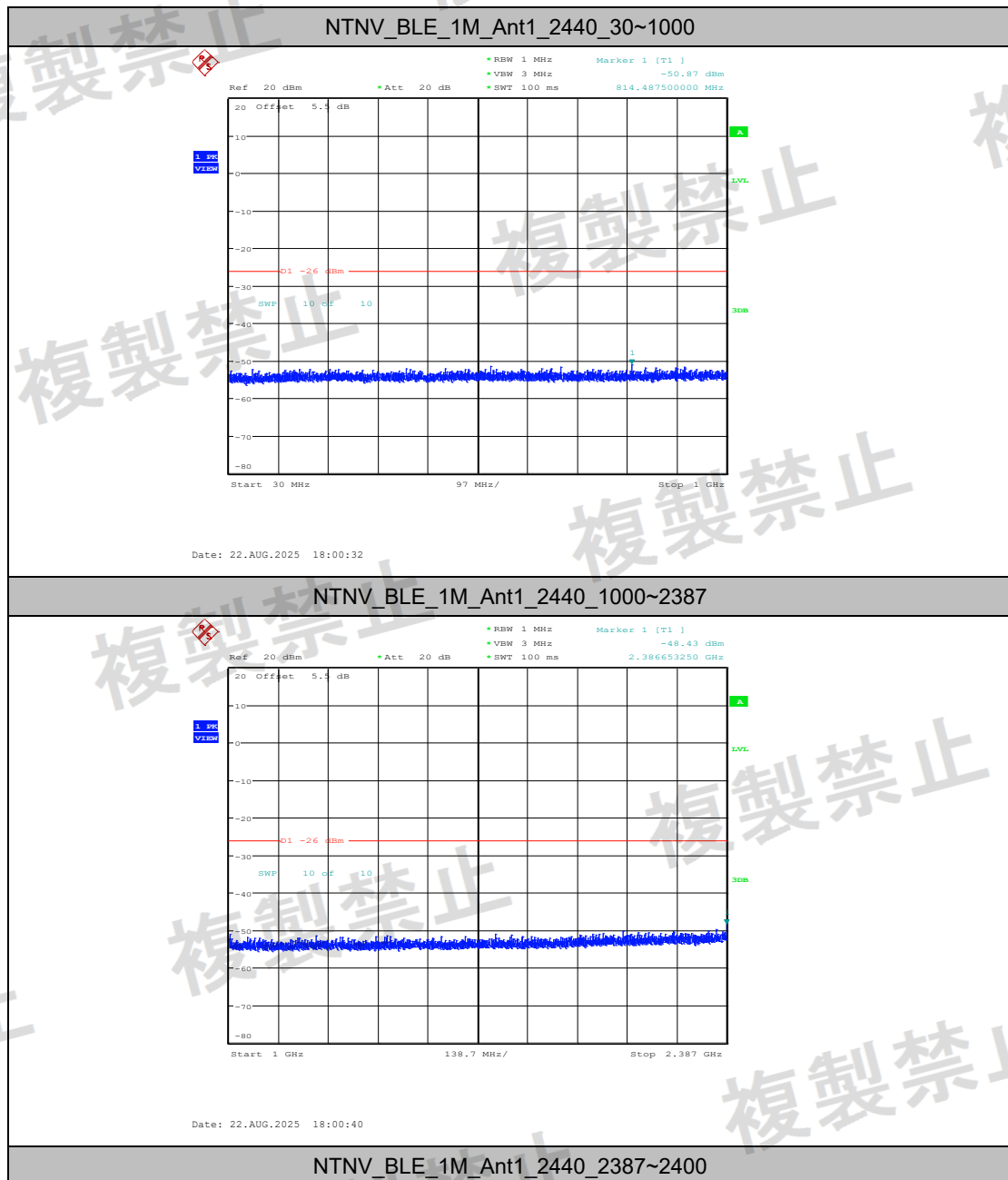
Test Result

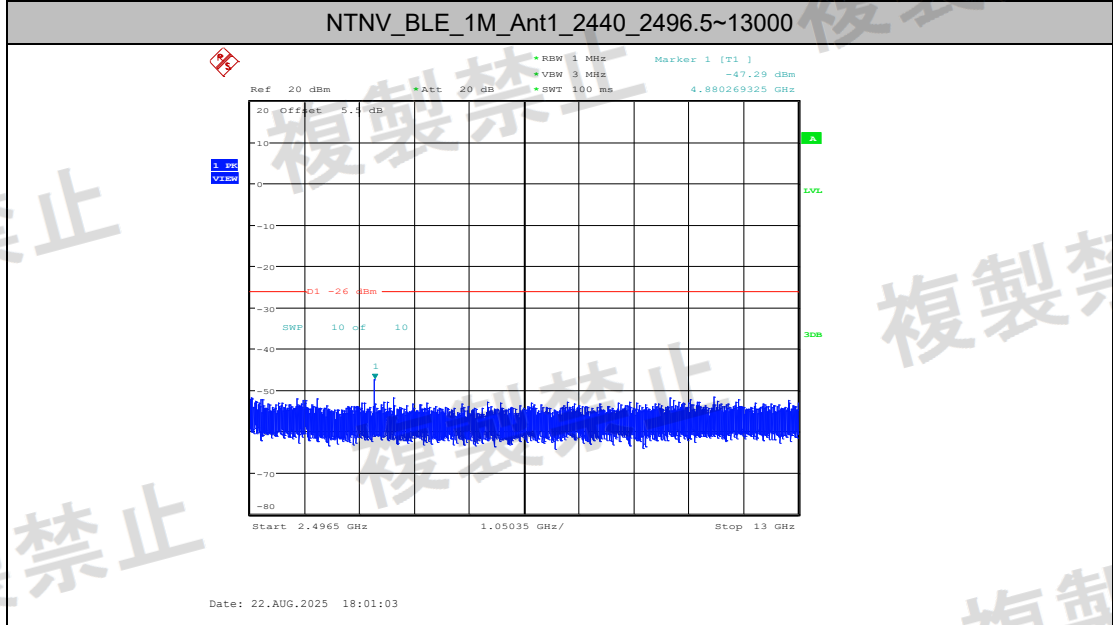
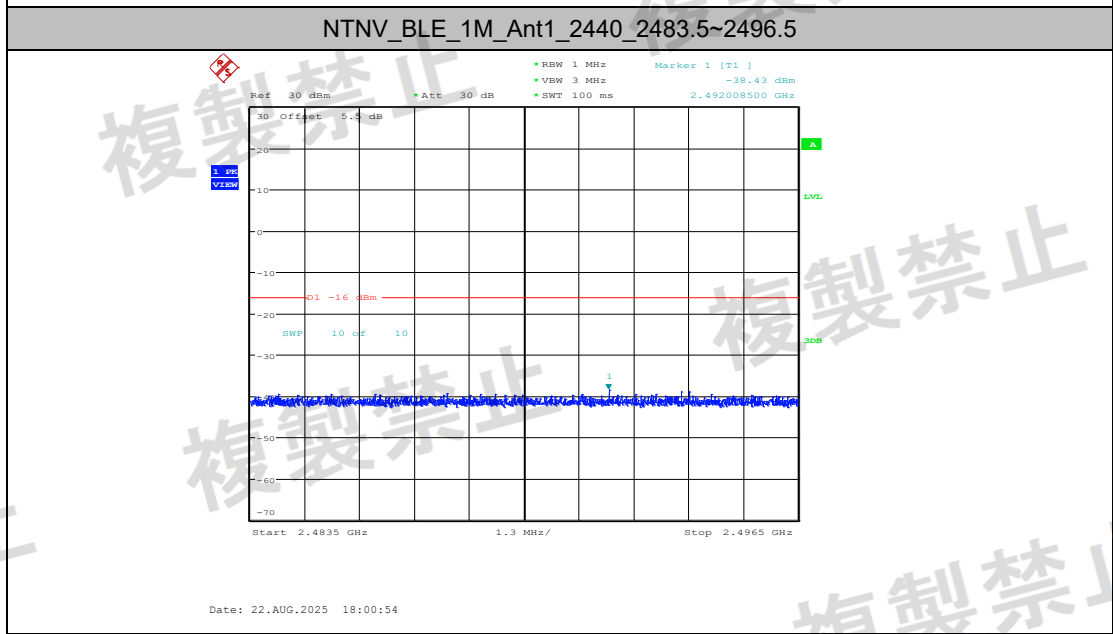
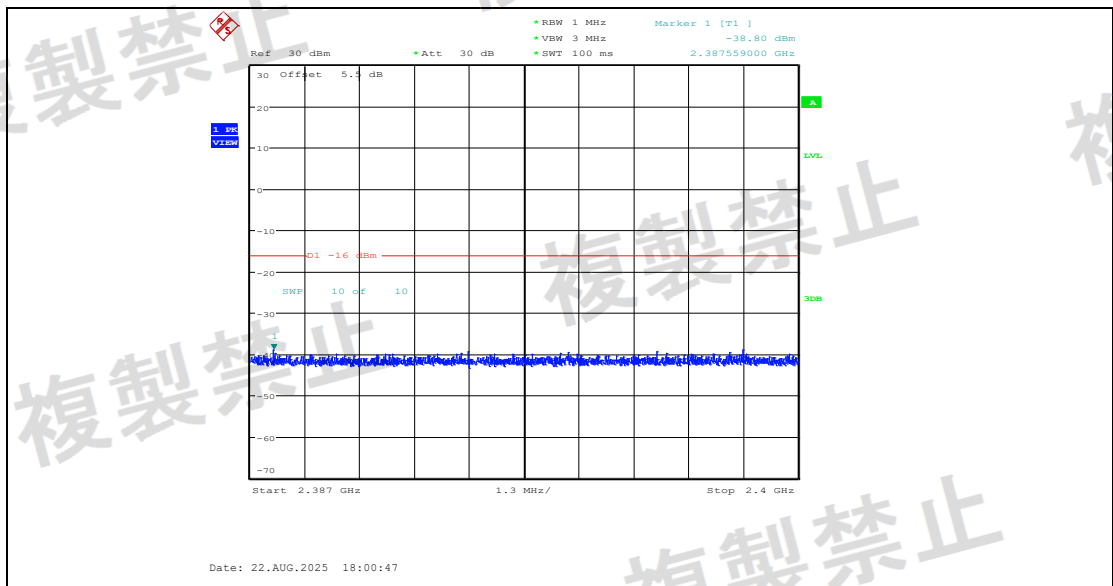
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	478.14	-51.39	≤-26	0.00726	≤2.5	PASS
				1000~2387	2366.54	-49.57	≤-26	0.01104	≤2.5	PASS
				2387~2400	2400.00	-25.81	≤-16	2.62422	≤25	PASS
				2483.5~2496.5	2489.46	-38.65	≤-16	0.13646	≤25	PASS
				2496.5~13000	4804.12	-47.22	≤-26	0.01897	≤2.5	PASS
			2440	30~1000	814.49	-50.87	≤-26	0.00818	≤2.5	PASS
				1000~2387	2386.65	-48.43	≤-26	0.01435	≤2.5	PASS
				2387~2400	2387.56	-38.80	≤-16	0.13183	≤25	PASS
				2483.5~2496.5	2492.01	-38.43	≤-16	0.14355	≤25	PASS
				2496.5~13000	4880.27	-47.29	≤-26	0.01866	≤2.5	PASS
			2480	30~1000	765.75	-51.01	≤-26	0.00793	≤2.5	PASS
				1000~2387	2341.92	-49.57	≤-26	0.01104	≤2.5	PASS
				2387~2400	2395.11	-39.02	≤-16	0.12531	≤25	PASS
				2483.5~2496.5	2490.59	-38.04	≤-16	0.15704	≤25	PASS
				2496.5~13000	4959.57	-45.74	≤-26	0.02667	≤2.5	PASS

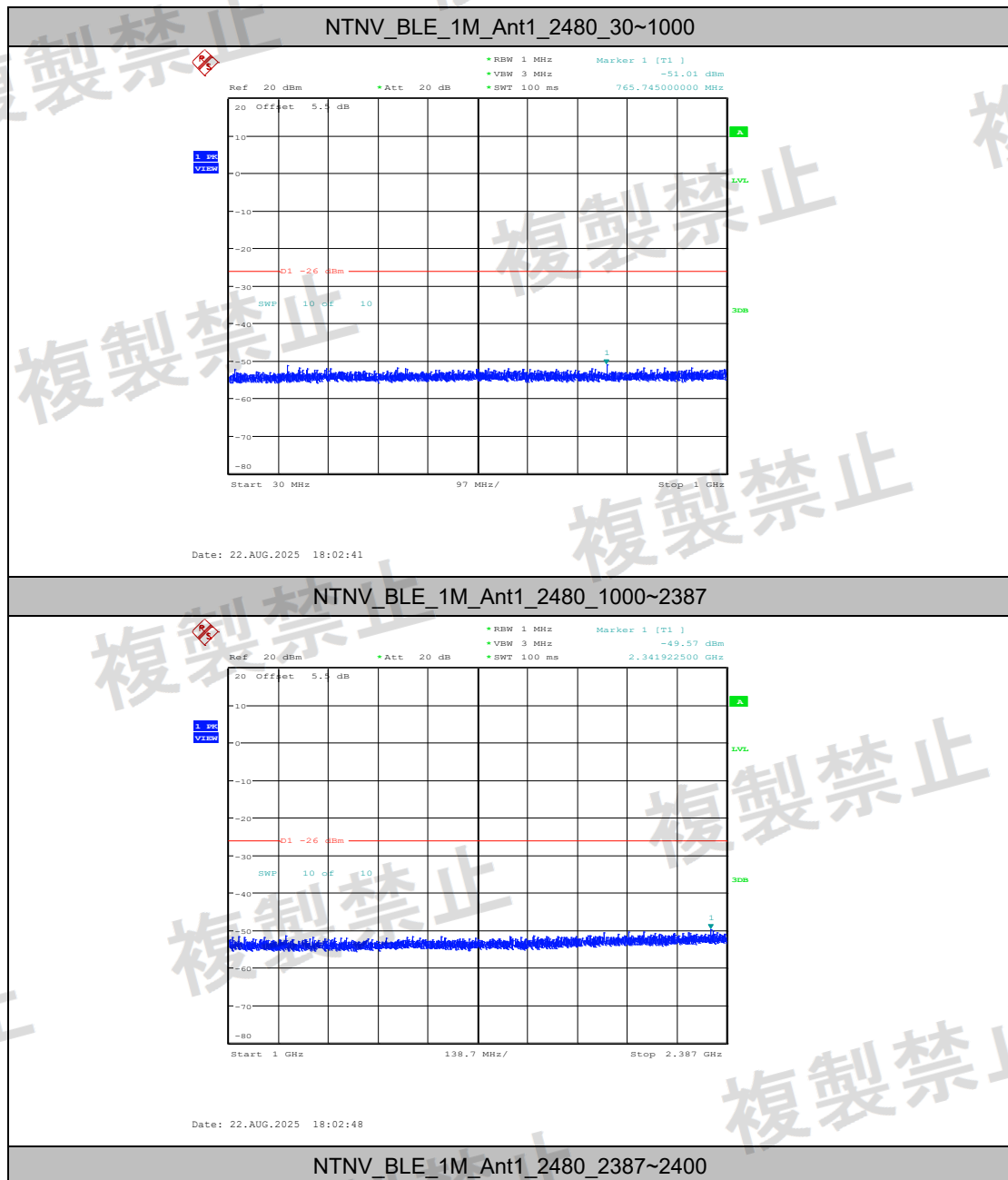
Test Graphs

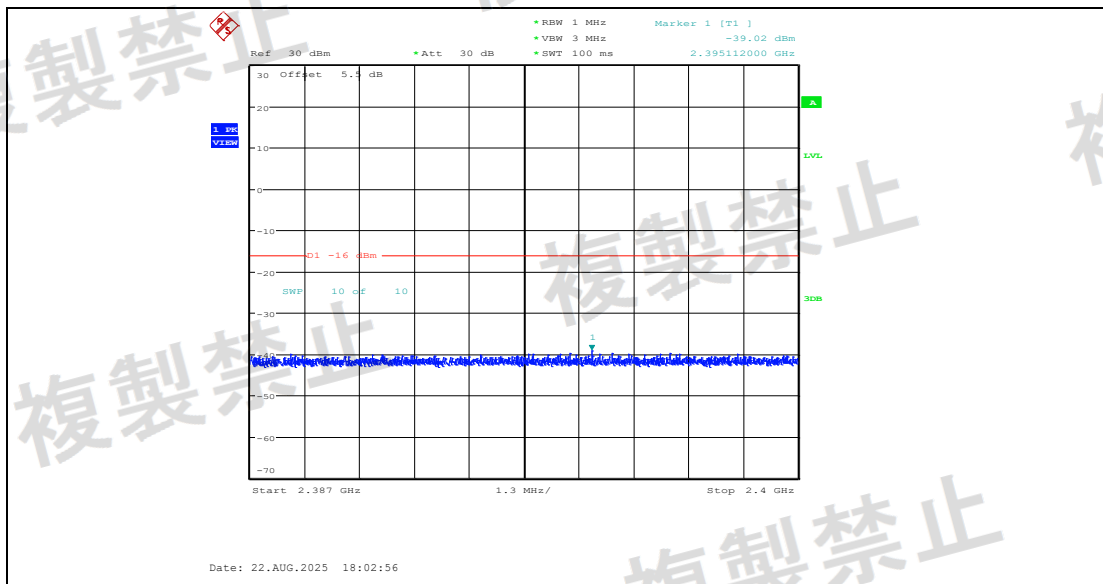




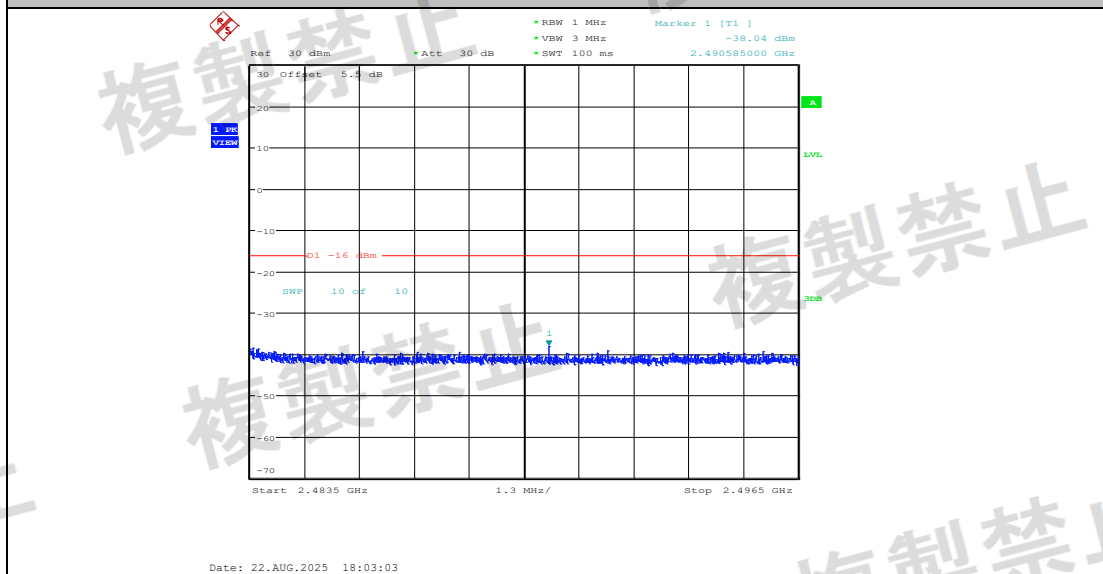




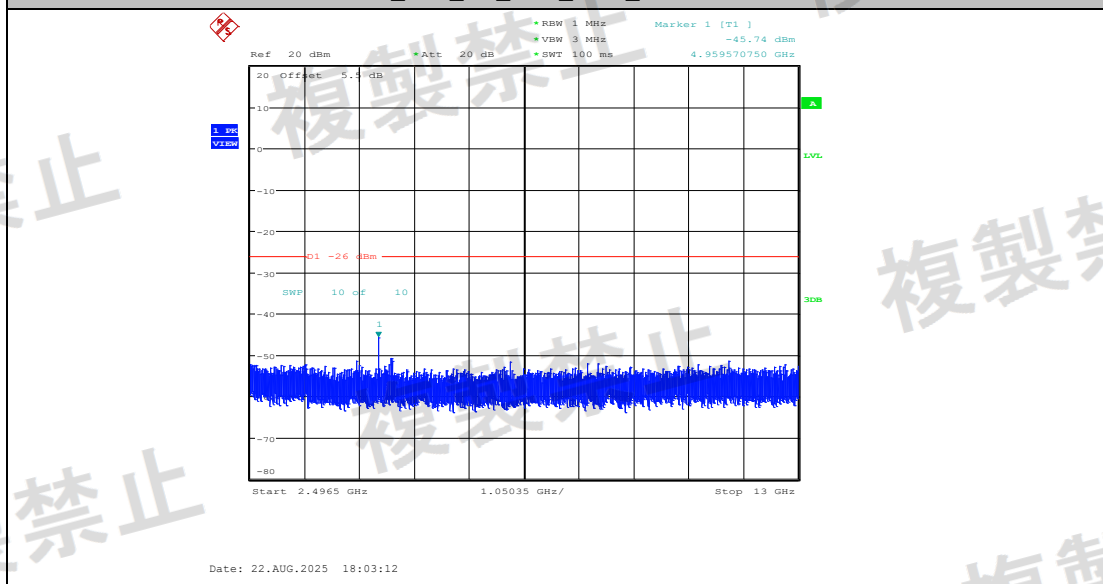




NTVN_BLE_1M_Ant1_2480_2483.5~2496.5



NTNV_BLE_1M_Ant1_2480_2496.5~13000



Appendix E: Spurious Emission of RX

Test Result

TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	962.66	-73.99	≤-54	0.03990	≤4	PASS
				1000~12500	2493.85	-71.35	≤-47	0.07328	≤20	PASS
			2440	30~1000	990.30	-73.86	≤-54	0.04111	≤4	PASS
				1000~12500	2300.08	-72.41	≤-47	0.05741	≤20	PASS
			2480	30~1000	625.10	-74.24	≤-54	0.03767	≤4	PASS
				1000~12500	3211.45	-73.29	≤-47	0.04688	≤20	PASS

NTNV_BLE_1M_Ant1_2402_30~1000

Ref -10 dBm * RBW 1 MHz Marker 1 [T1]
* Att 0 dB * VBW 3 MHz -73.99 dBm
* SWT 100 ms 962.65500000 MHz

10 Off POS -10 dBm

1 ps VIEW

SWP 10 of 10

Start 30 MHz 97 MHz/ Stop 1 GHz

Date: 22.AUG.2025 17:54:20

NTNV_BLE_1M_Ant1_2402_1000~12500

Ref -10 dBm * RBW 1 MHz Marker 1 [T1]
* Att 0 dB * VBW 3 MHz -71.35 dBm
* SWT 100 ms 2.493850000 GHz

10 Off POS -10 dBm

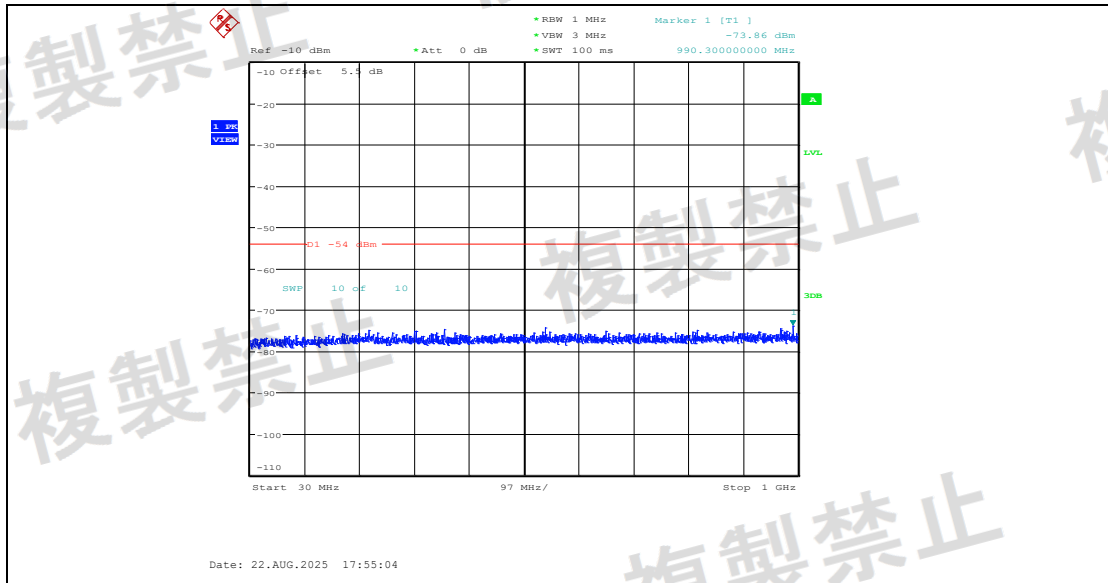
1 ps VIEW

SWP 10 of 10

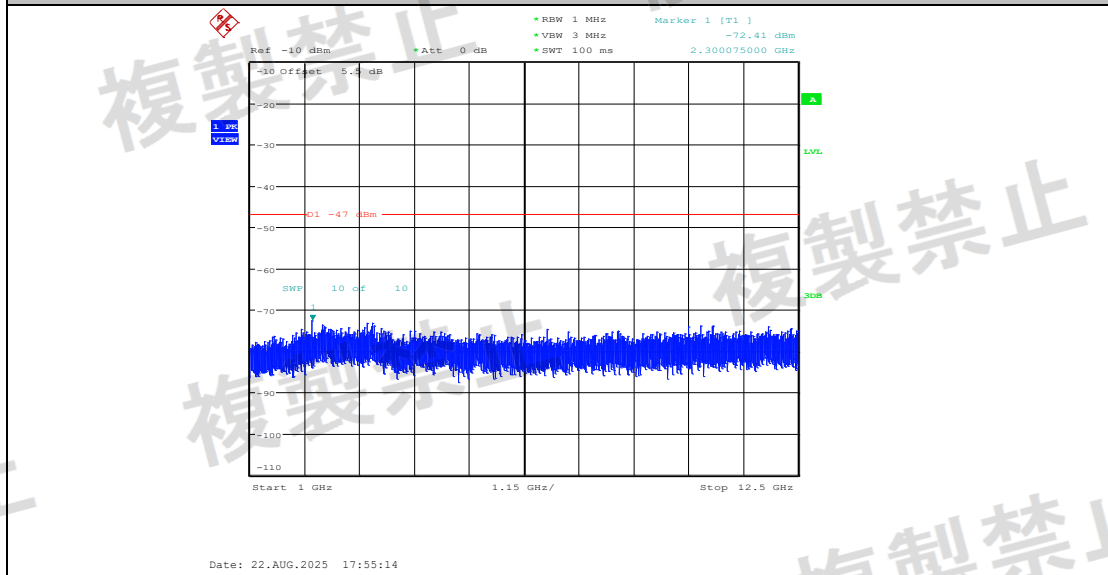
Start 1 GHz 1.15 GHz/ Stop 12.5 GHz

Date: 22.AUG.2025 17:54:29

NTNV_BLE_1M_Ant1_2440_30~1000



NTNV_BLE_1M_Ant1_2440_1000~12500



NTNV_BLE_1M_Ant1_2480_30~1000

