

Appendix RF Test Data for BLE

Company : SOHIMI JAPAN, K.K.

EUT : Massager

Model Number : Pearlconch

Report No. : CTA25082003601

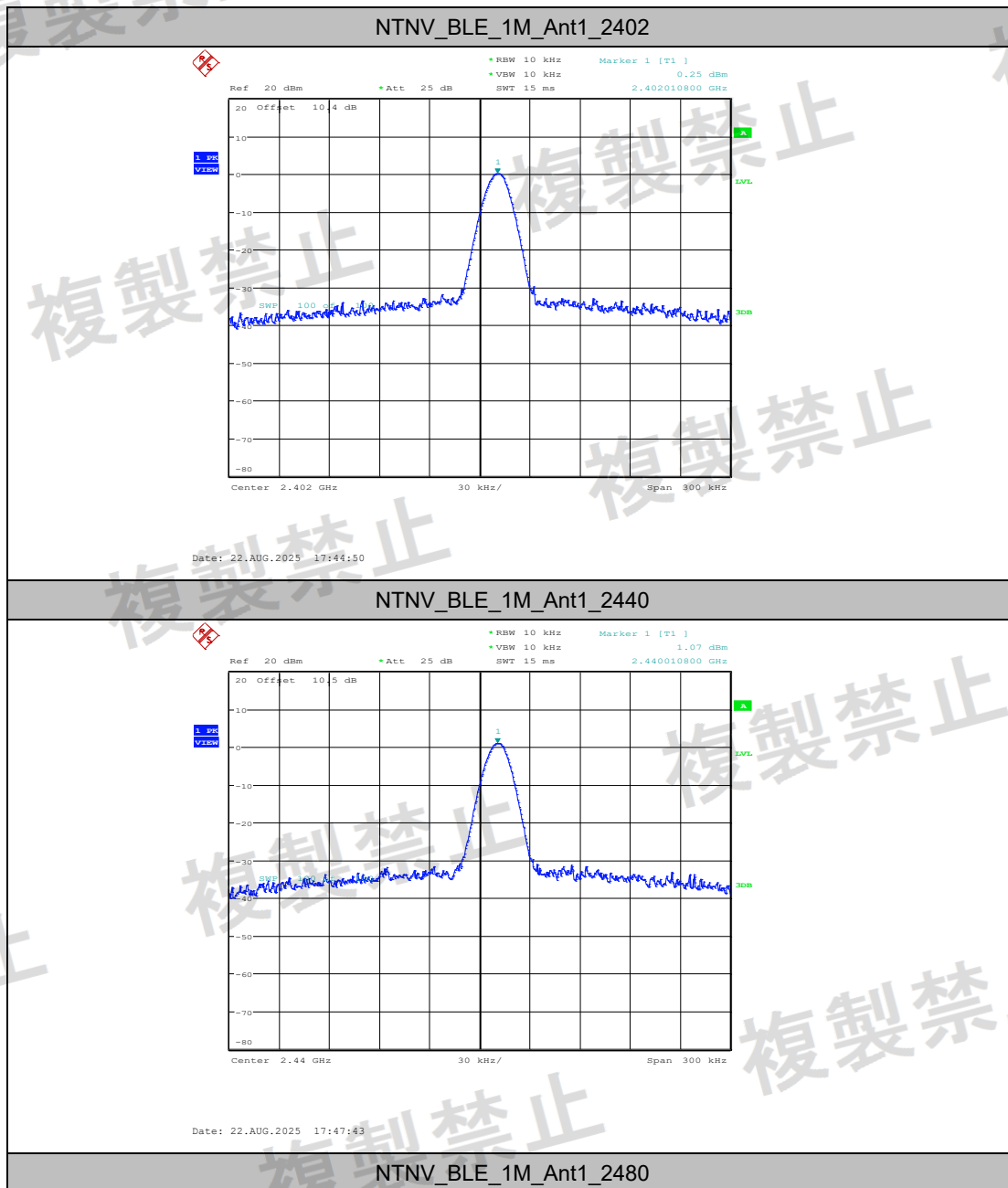
Reviewed By : Eric Wang

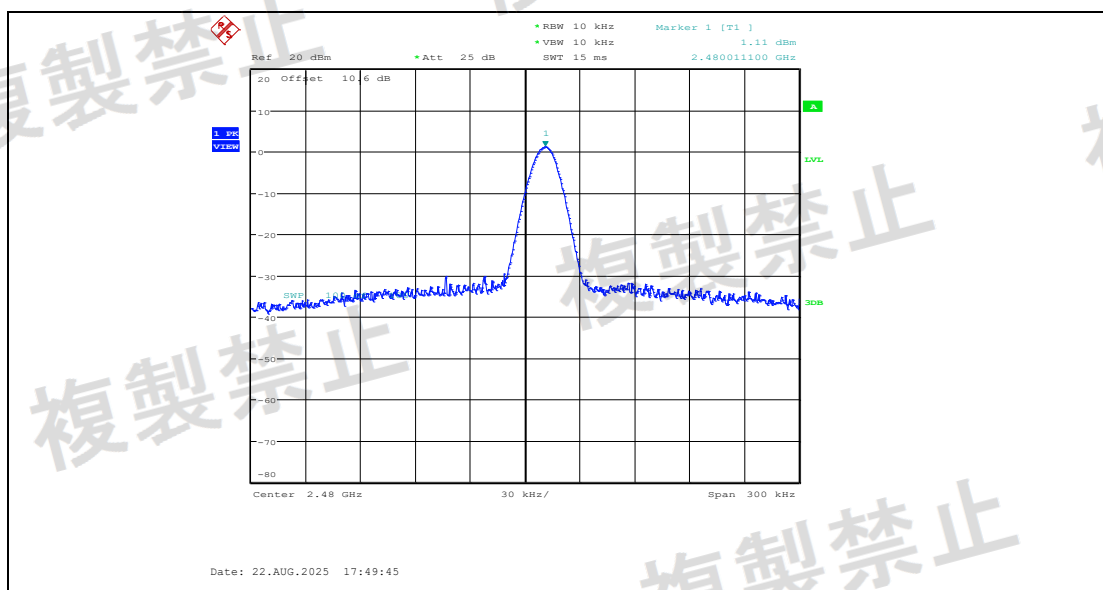
Appendix A: Frequency Error

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



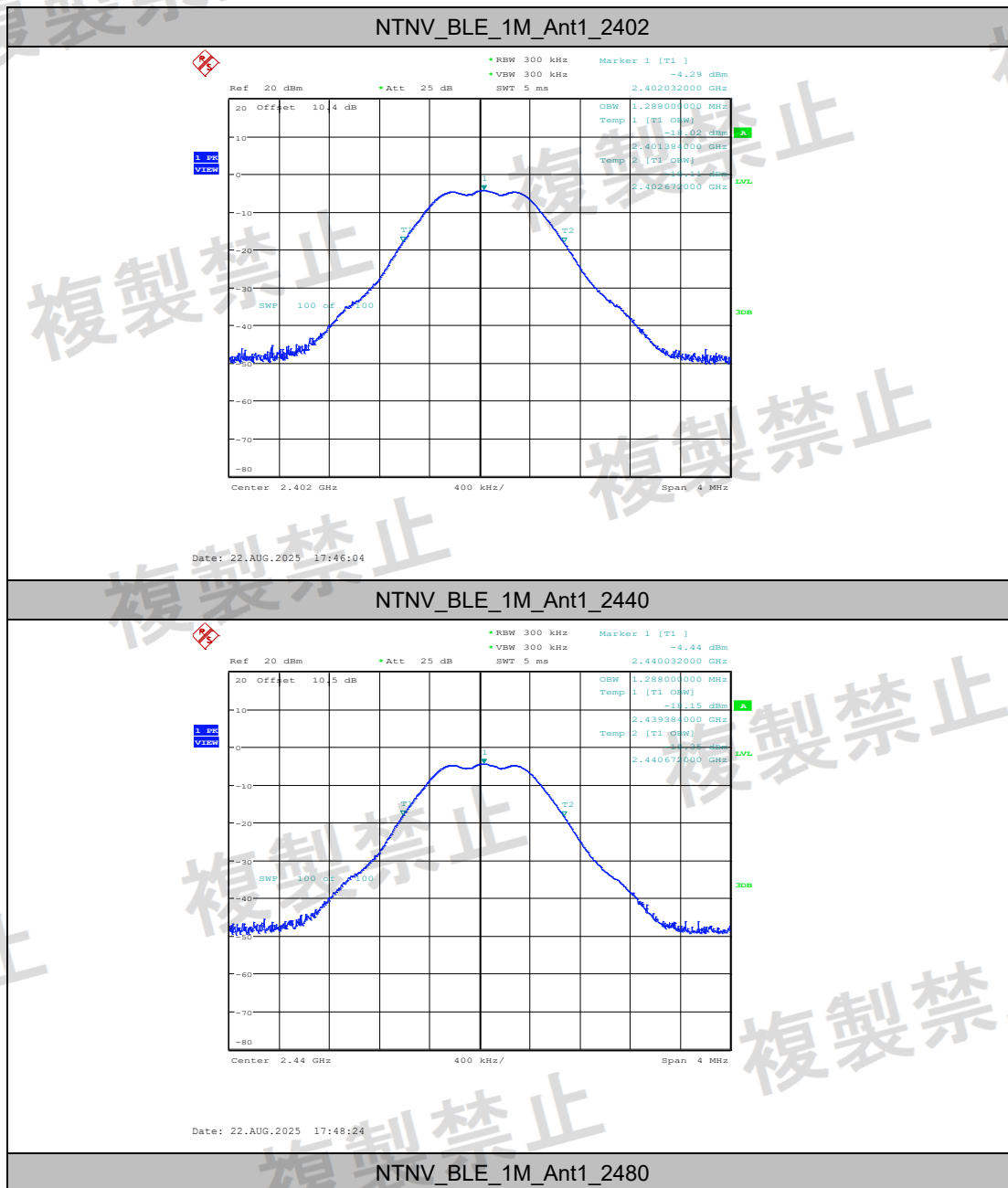


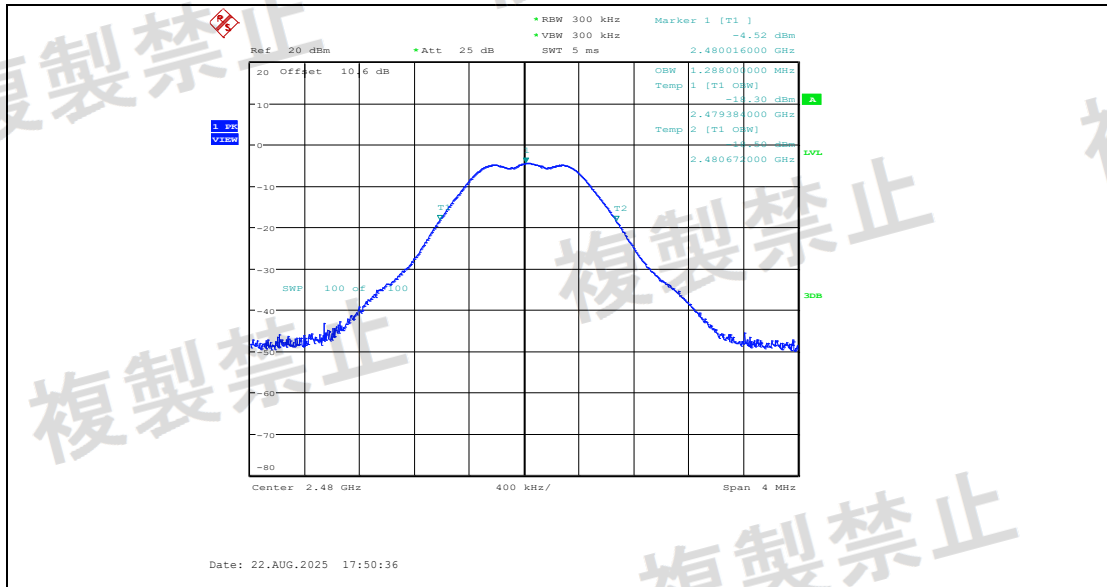
Appendix B: Occupied Bandwidth

Test Result

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

Test Graphs



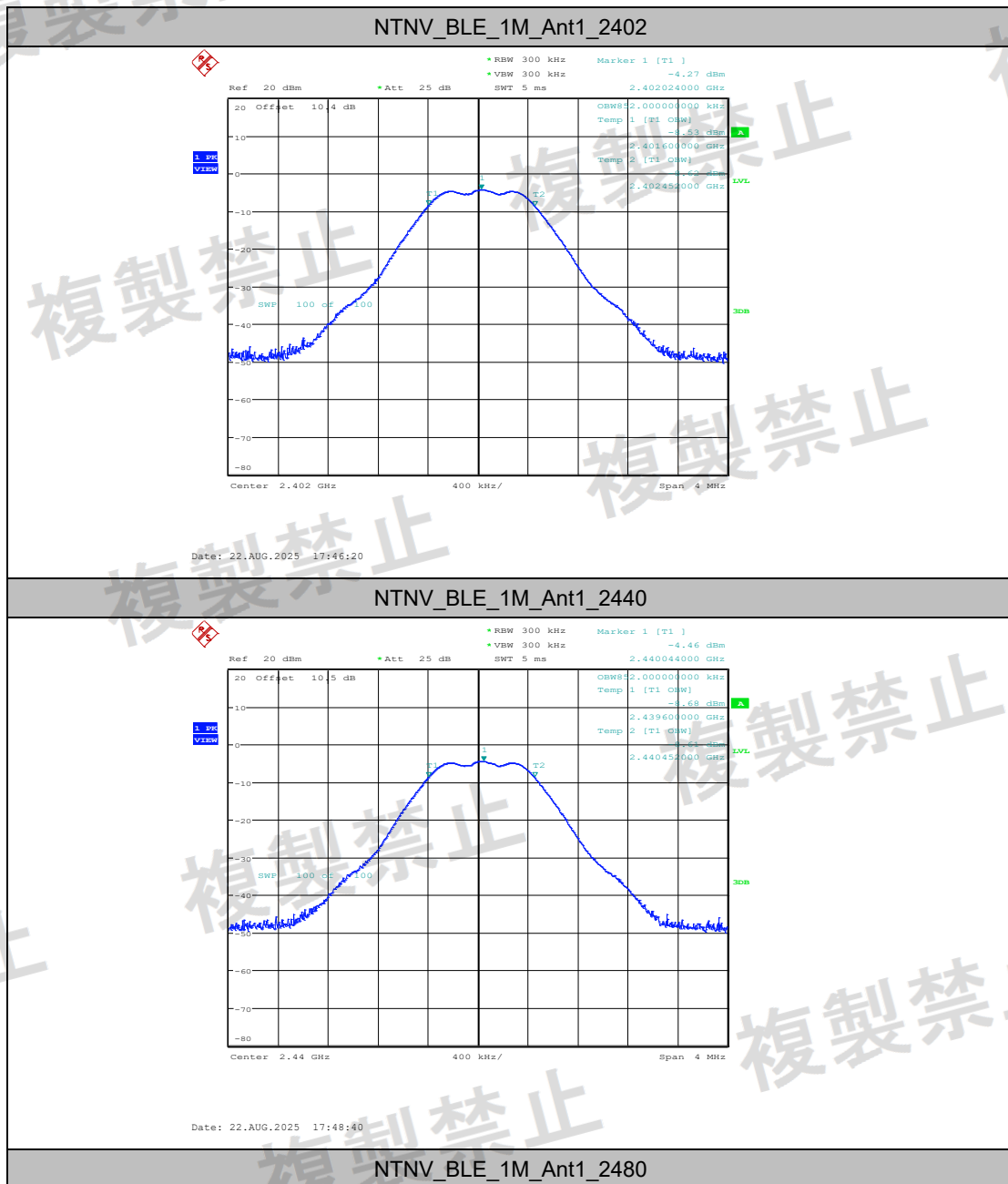


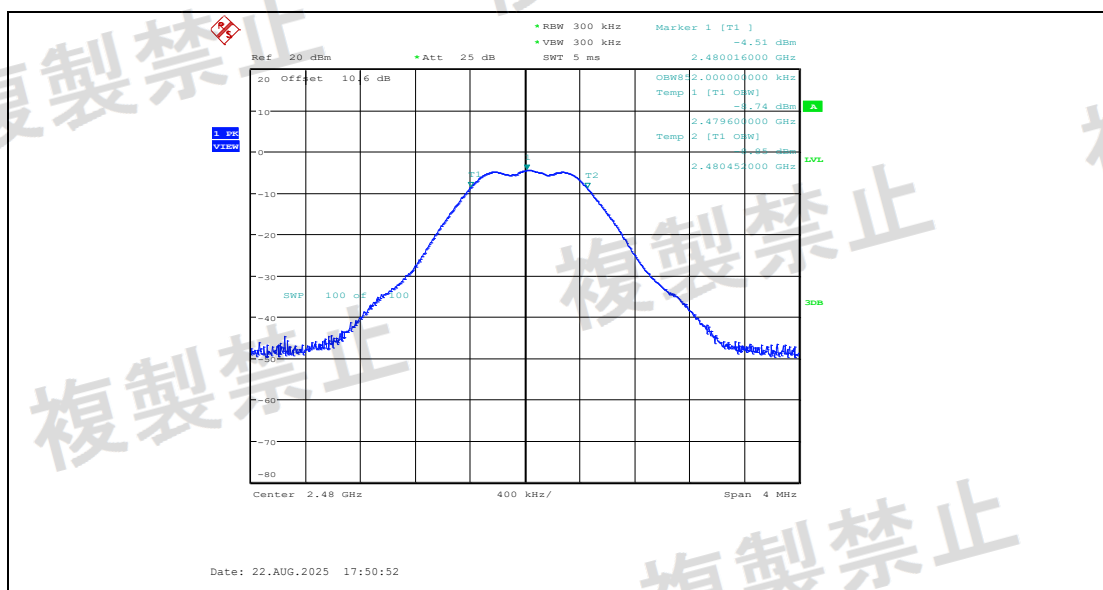
Appendix C: Spread Bandwidth

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	803.82	-51.11	≤-26	0.00774	≤2.5	PASS
				1000~2387	2365.85	-49.70	≤-26	0.01072	≤2.5	PASS
				2387~2400	2399.99	-26.03	≤-16	2.49459	≤25	PASS
				2483.5~2496.5	2486.61	-39.34	≤-16	0.11641	≤25	PASS
				2496.5~13000	4803.59	-46.82	≤-26	0.02080	≤2.5	PASS
			2440	30~1000	917.07	-51.78	≤-26	0.00664	≤2.5	PASS
				1000~2387	2375.90	-50.38	≤-26	0.00916	≤2.5	PASS
				2387~2400	2396.50	-39.62	≤-16	0.10914	≤25	PASS
				2483.5~2496.5	2485.85	-38.96	≤-16	0.12706	≤25	PASS
				2496.5~13000	4879.22	-47.11	≤-26	0.01945	≤2.5	PASS
			2480	30~1000	906.88	-51.31	≤-26	0.00740	≤2.5	PASS
				1000~2387	2280.89	-50.05	≤-26	0.00989	≤2.5	PASS
				2387~2400	2391.84	-39.46	≤-16	0.11324	≤25	PASS
				2483.5~2496.5	2495.27	-37.96	≤-16	0.15996	≤25	PASS
				2496.5~13000	4959.05	-44.95	≤-26	0.03199	≤2.5	PASS

NTNV_BLE_1M_Ant1_2402_30~1000

Ref 20 dBm Att 20 dB RBW 1 MHz Marker 1 [T1] -51.11 dBm
VBW 3 MHz SWT 100 ms 803.817500000 MHz

20 Offset 5 dB

1 ps VIEW

01 -26 dBm

SWP 10 of 10

Start 30 MHz 97 MHz/ Stop 1 GHz

Date: 22.AUG.2025 17:46:30

NTNV_BLE_1M_Ant1_2402_1000~2387

Ref 20 dBm Att 20 dB RBW 1 MHz Marker 1 [T1] -49.70 dBm
VBW 3 MHz SWT 100 ms 2.365848250 GHz

20 Offset 5 dB

1 ps VIEW

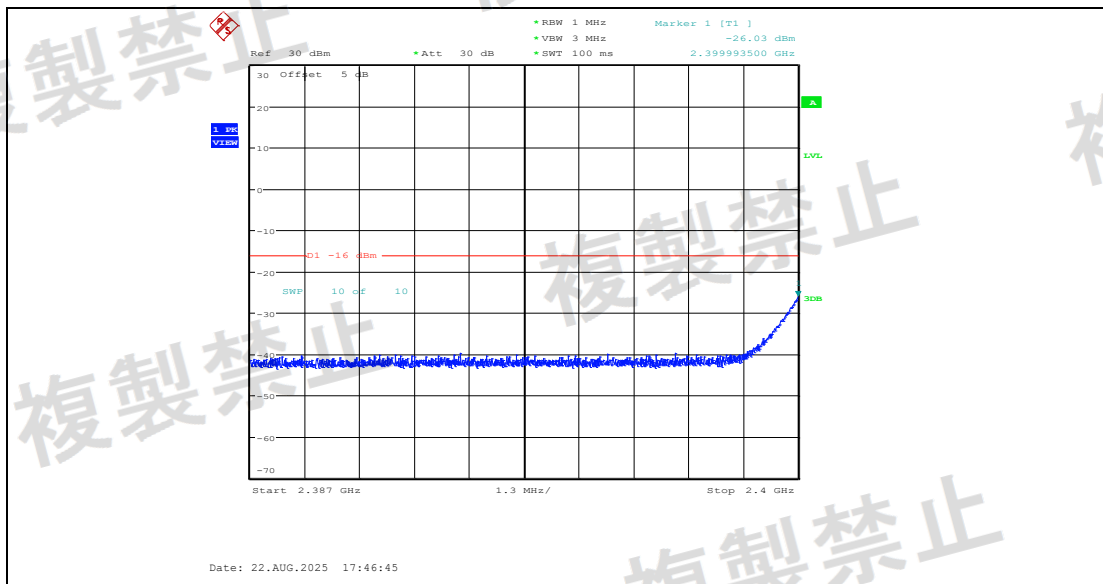
01 -26 dBm

SWP 10 of 10

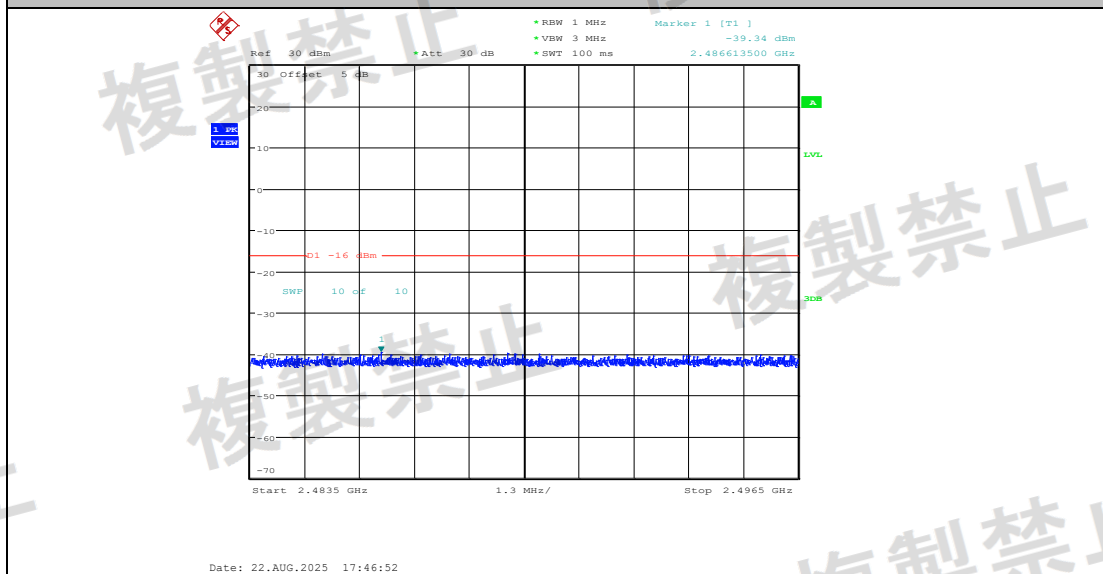
Start 1 GHz 138.7 MHz/ Stop 2.387 GHz

Date: 22.AUG.2025 17:46:38

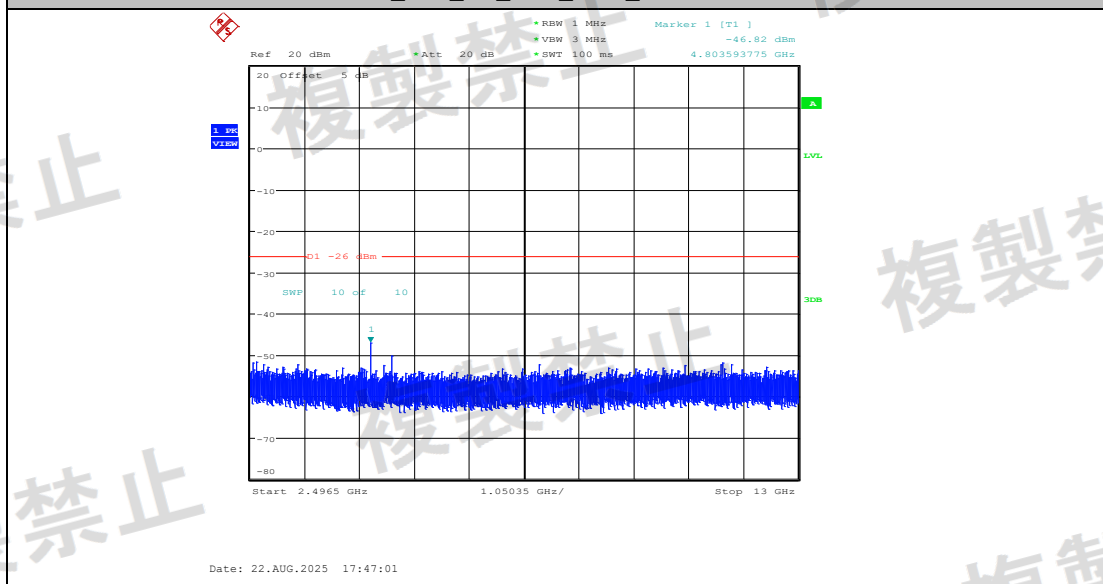
NTNV_BLE_1M_Ant1_2402_2387~2400

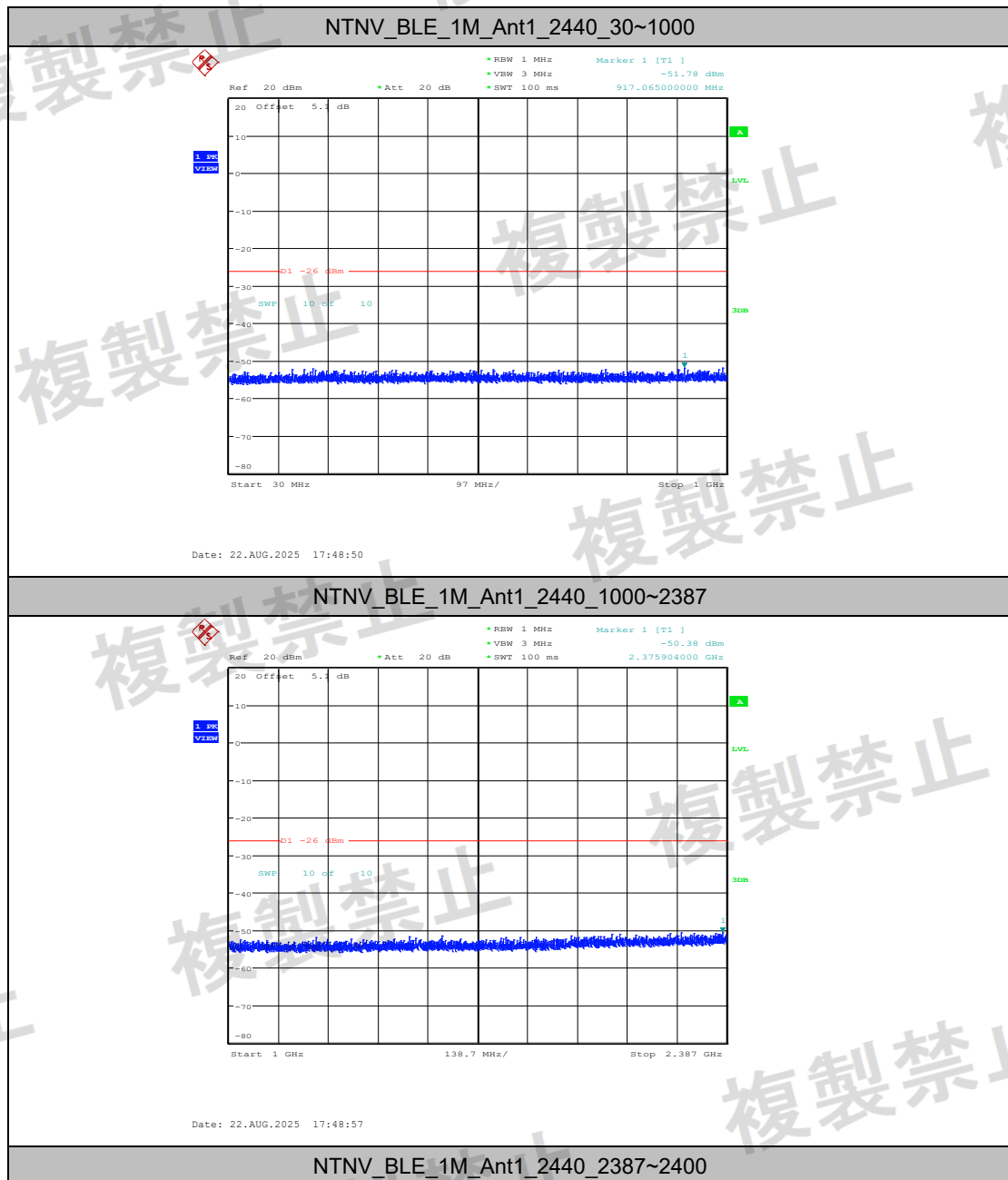


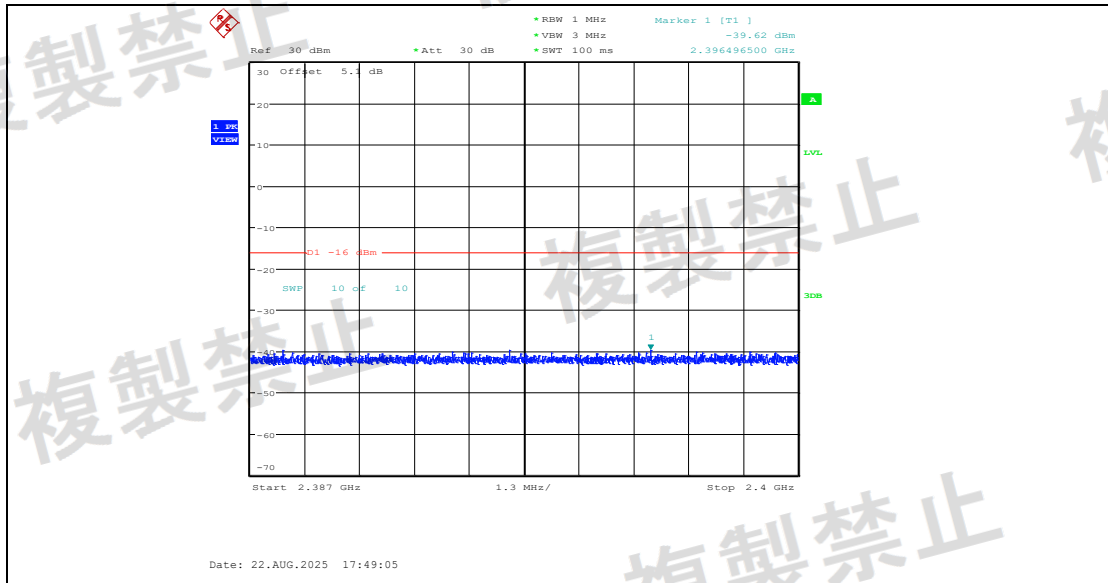
NTNV_BLE_1M_Ant1_2402_2483.5~2496.5



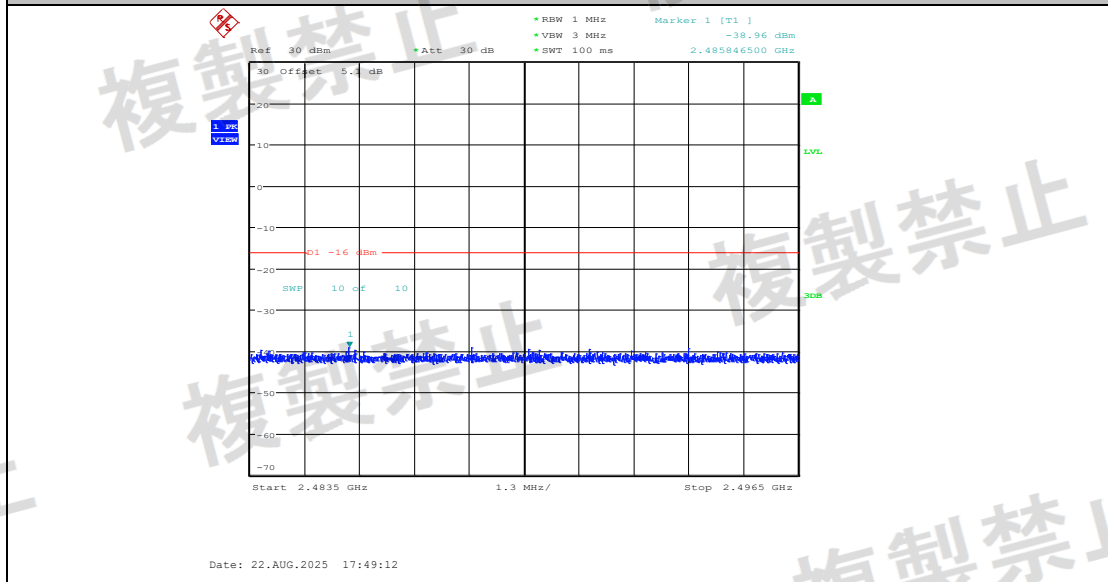
NTNV_BLE_1M_Ant1_2402_2496.5~13000



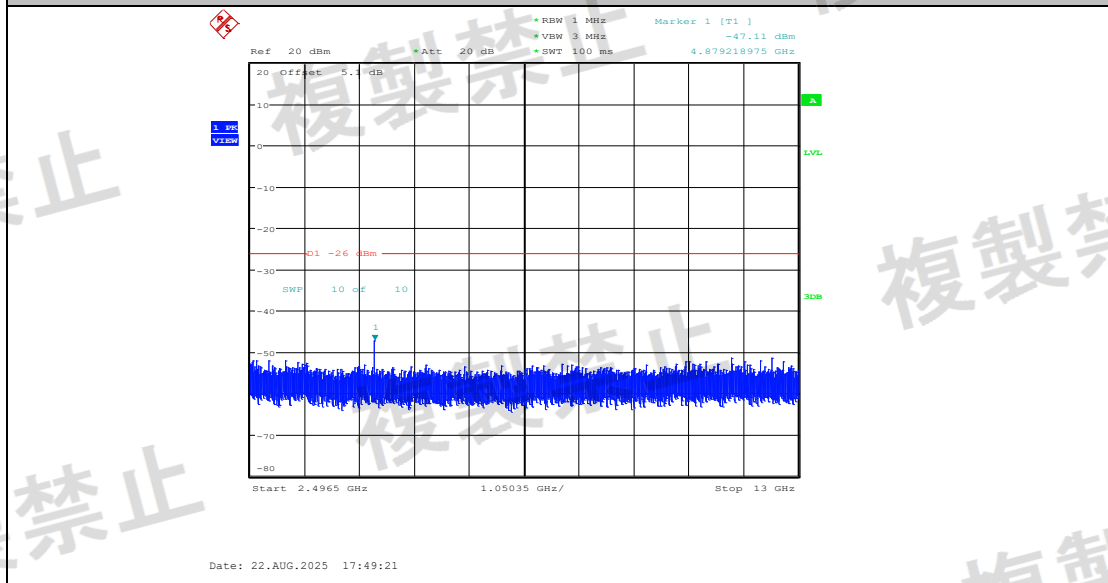


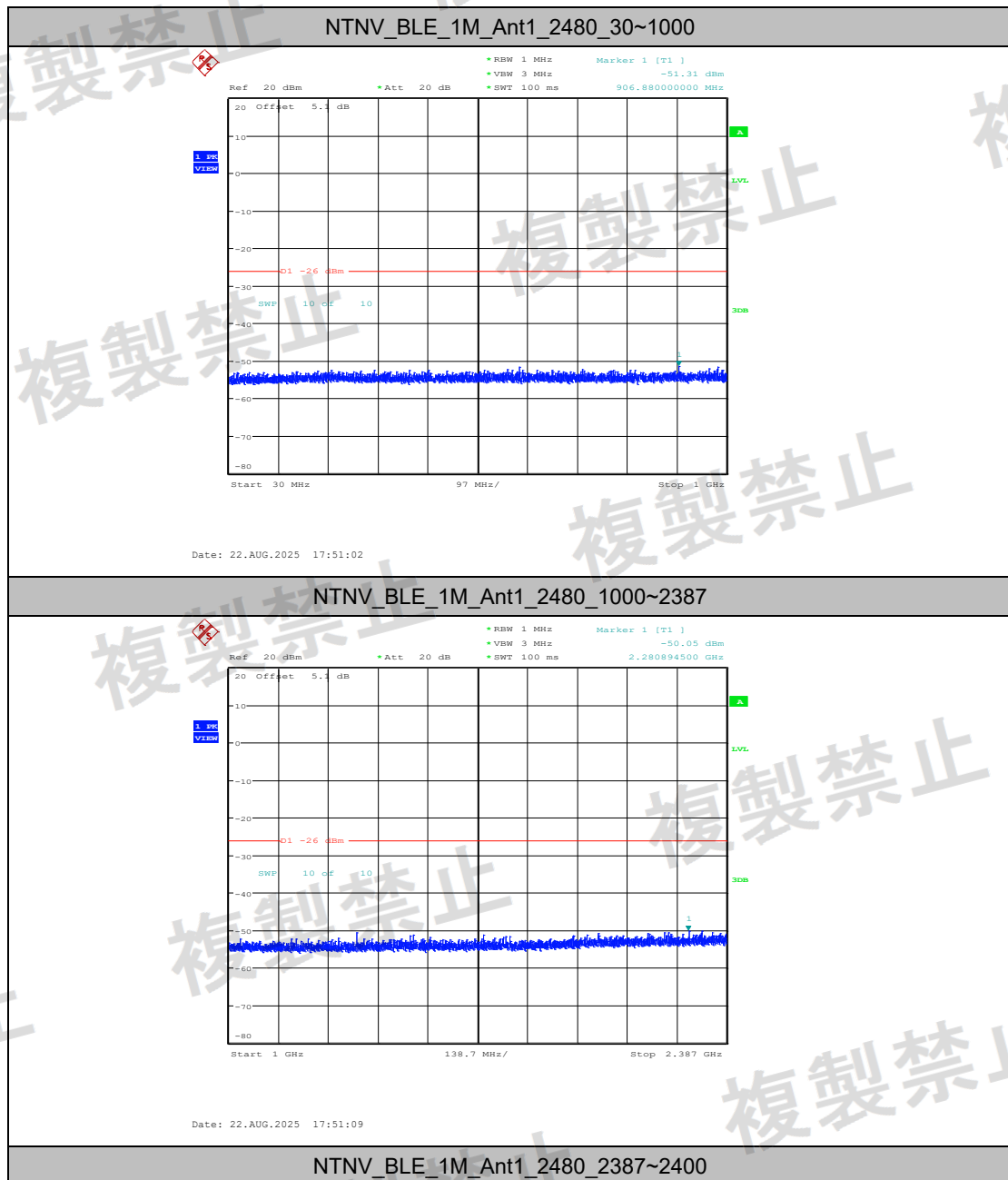


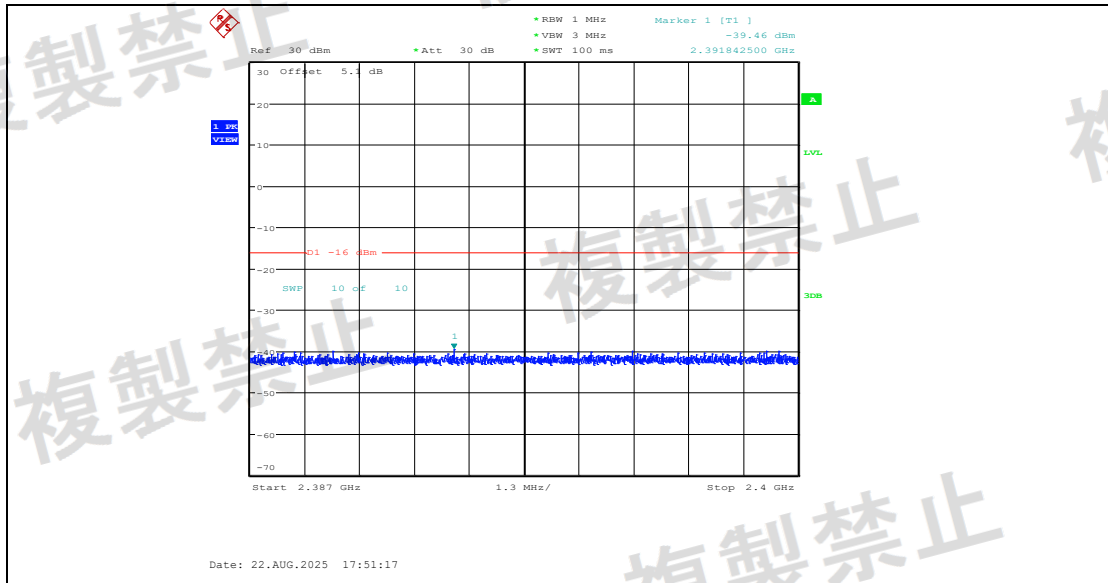
NTNV_BLE_1M_Ant1_2440_2483.5~2496.5



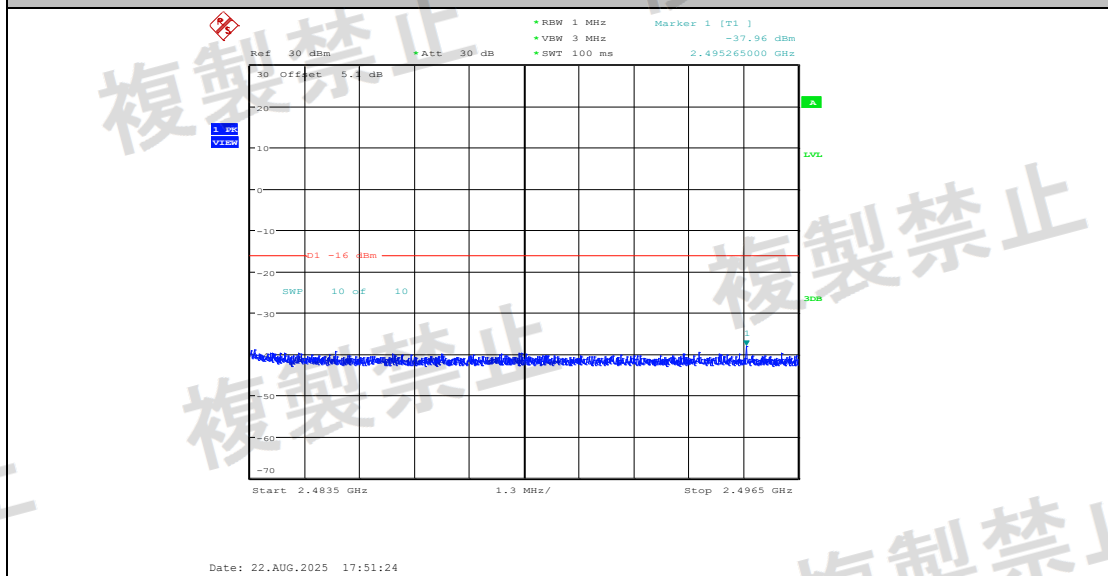
NTNV_BLE_1M_Ant1_2440_2496.5~13000



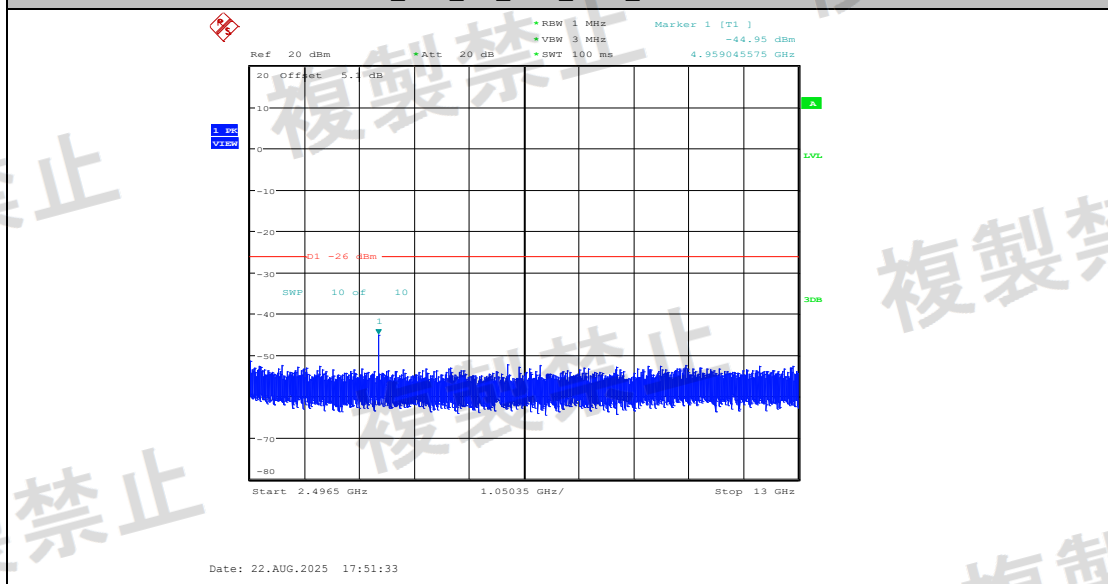




NTNV_BLE_1M_Ant1_2480_2483.5~2496.5



NTNV_BLE_1M_Ant1_2480_2496.5~13000

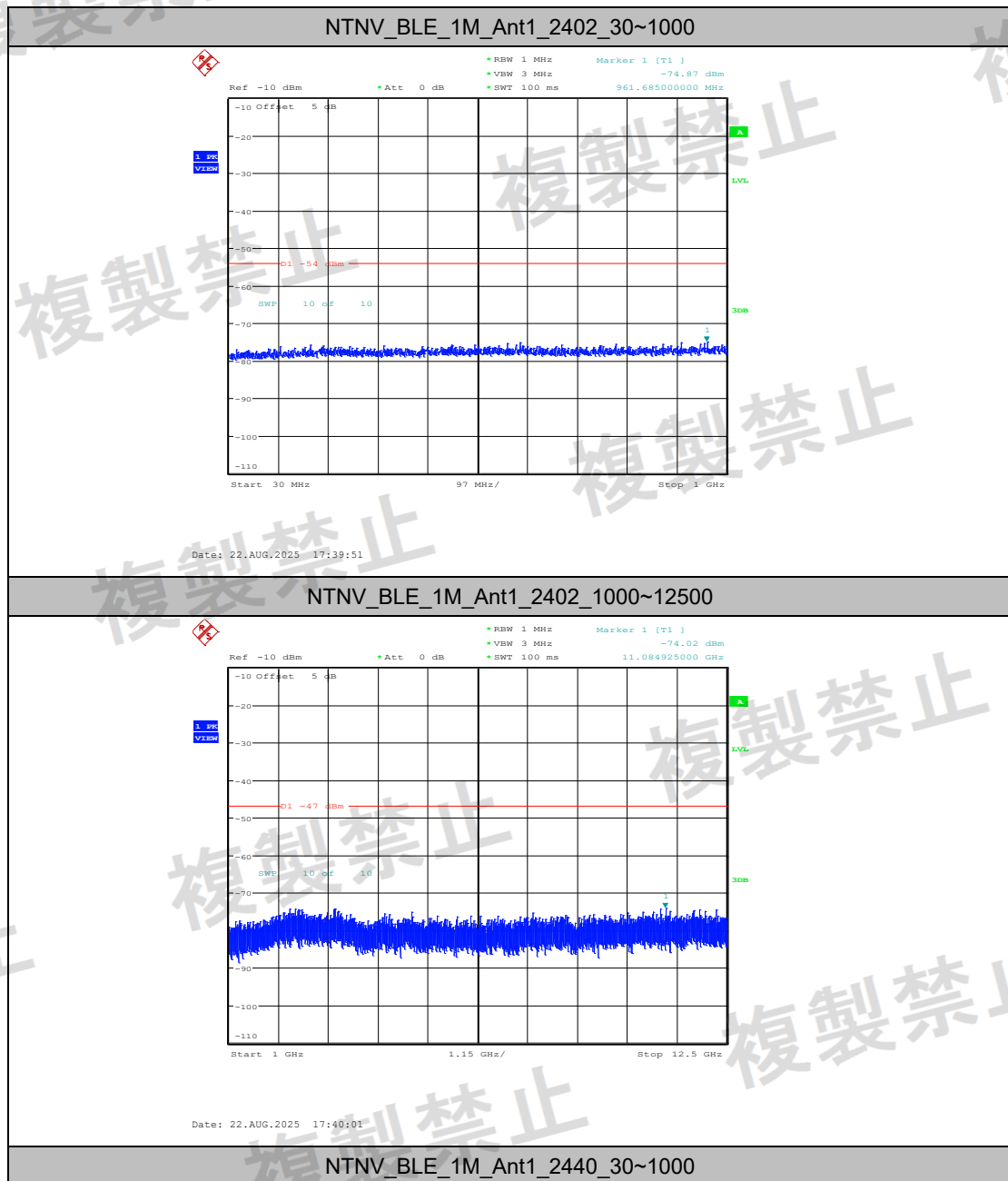


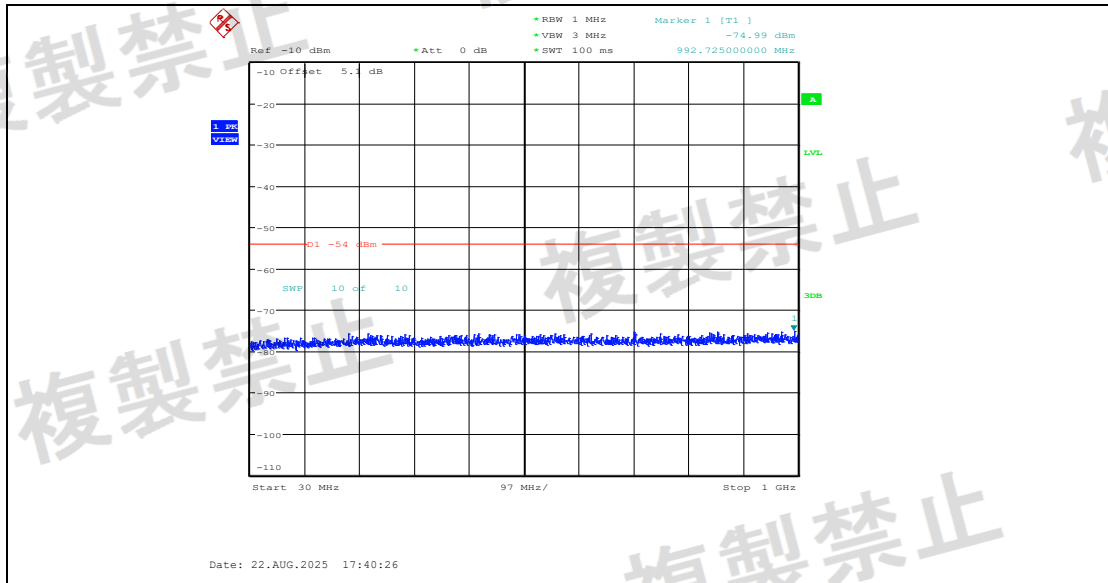
Appendix E: Spurious Emission of RX

Test Result

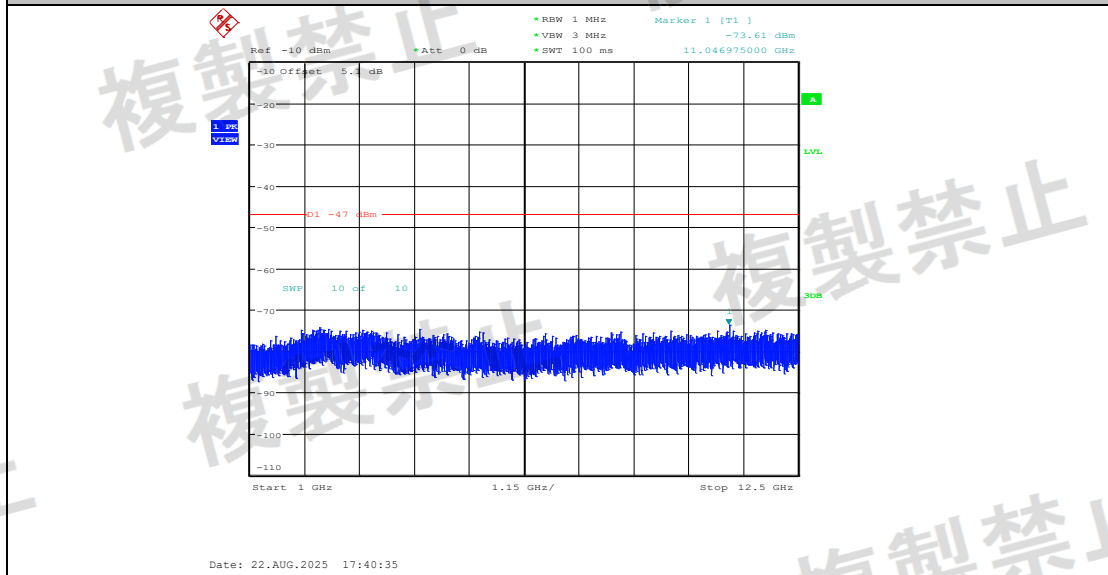
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	961.69	-74.87	≤-54	0.03258	≤4	PASS
				1000~12500	11084.93	-74.02	≤-47	0.03963	≤20	PASS
			2440	30~1000	992.73	-74.99	≤-54	0.03170	≤4	PASS
				1000~12500	11046.98	-73.61	≤-47	0.04355	≤20	PASS
			2480	30~1000	141.07	-74.44	≤-54	0.03597	≤4	PASS
				1000~12500	2572.63	-73.78	≤-47	0.04188	≤20	PASS

Test Graphs





NTNV_BLE_1M_Ant1_2440_1000~12500



NTNV_BLE_1M_Ant1_2480_30~1000

