Shenzhen CTA Testing Technology Co., Ltd.
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix RF Test Data for BLE

Company	:	**Acer Gadget Inc.**
EUT	:	**Wireless Earbuds**
Model Number	:	**OHR628**
Report No.	:	**CTA26042200201**
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	5.11657	±50	PASS
			2440	4.79098	±50	PASS
			2480	4.71371	±50	PASS

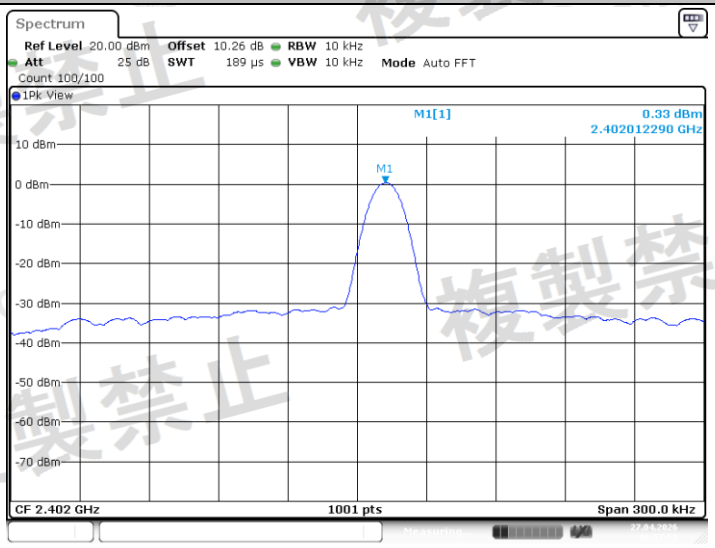
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTLV	BLE_1M	Ant1	2402	5.08694	±50	PASS
			2440	4.54892	±50	PASS
			2480	4.43766	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTHV	BLE_1M	Ant1	2402	5.08995	±50	PASS
			2440	4.56037	±50	PASS
			2480	4.51245	±50	PASS

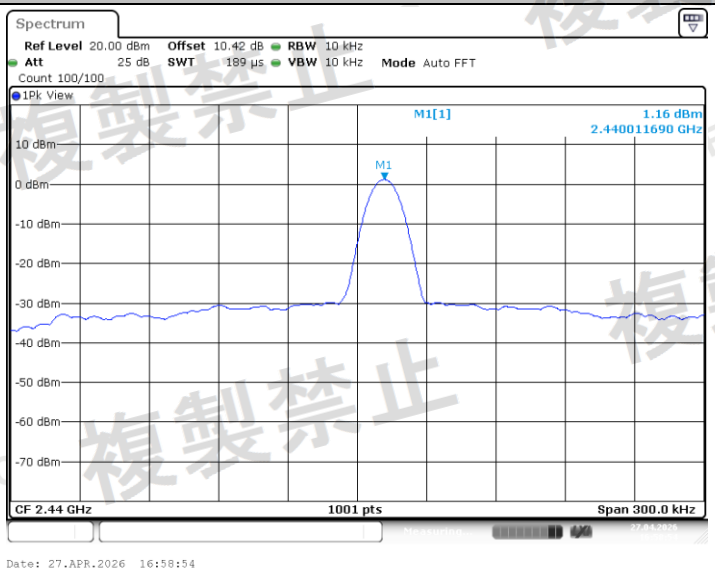
Test Graphs

Note:We test Normal Voltage, High Voltage, Low Voltage ,and recorded the worst test plot.

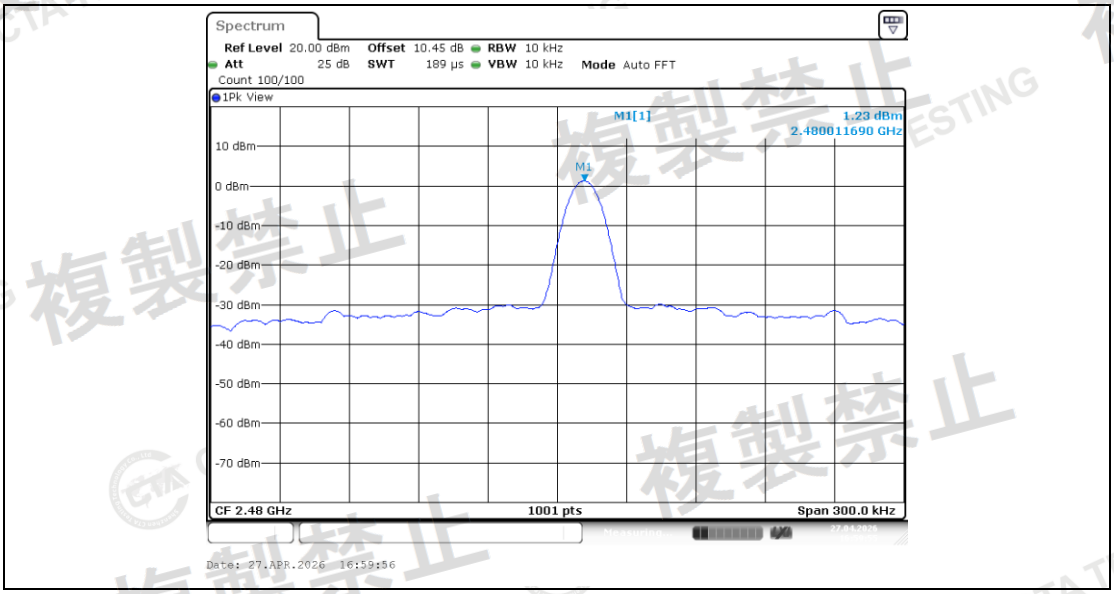
NTNV_BLE_1M_Ant1_2402



NTNV_BLE_1M_Ant1_2440



NTNV_BLE_1M_Ant1_2480


Spectrum
Ref Level 20.00 dBm Offset 10.45 dB RBW 10 kHz
Att 25 dB SWT 189 µs VBW 10 kHz Mode Auto FFT
Count 100/100
1Pk View
M1[1] 1.23 dBm
2.480011690 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 2.48 GHz
1001 pts
Span 300.0 kHz
Date: 27.APR.2026 16:59:56

Appendix B: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.251	≤26	PASS
			2440	1.243	≤26	PASS
			2480	1.263	≤26	PASS

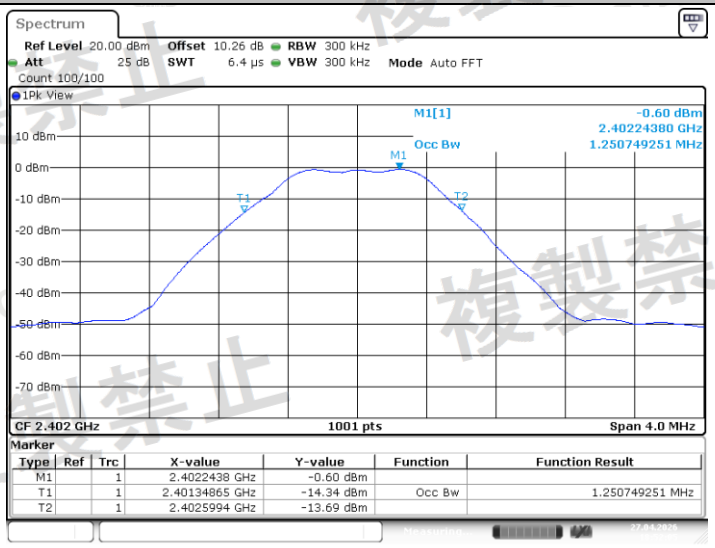
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	1.247	≤26	PASS
			2440	1.239	≤26	PASS
			2480	1.258	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	BLE_1M	Ant1	2402	1.246	≤26	PASS
			2440	1.240	≤26	PASS
			2480	1.261	≤26	PASS

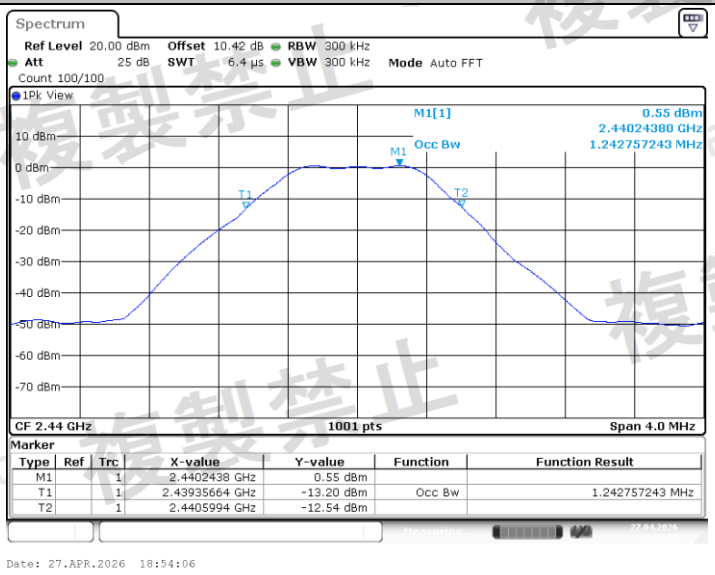
Test Graphs

Note:We test Normal Voltage, High Voltage, Low Voltage ,and recorded the worst test plot.

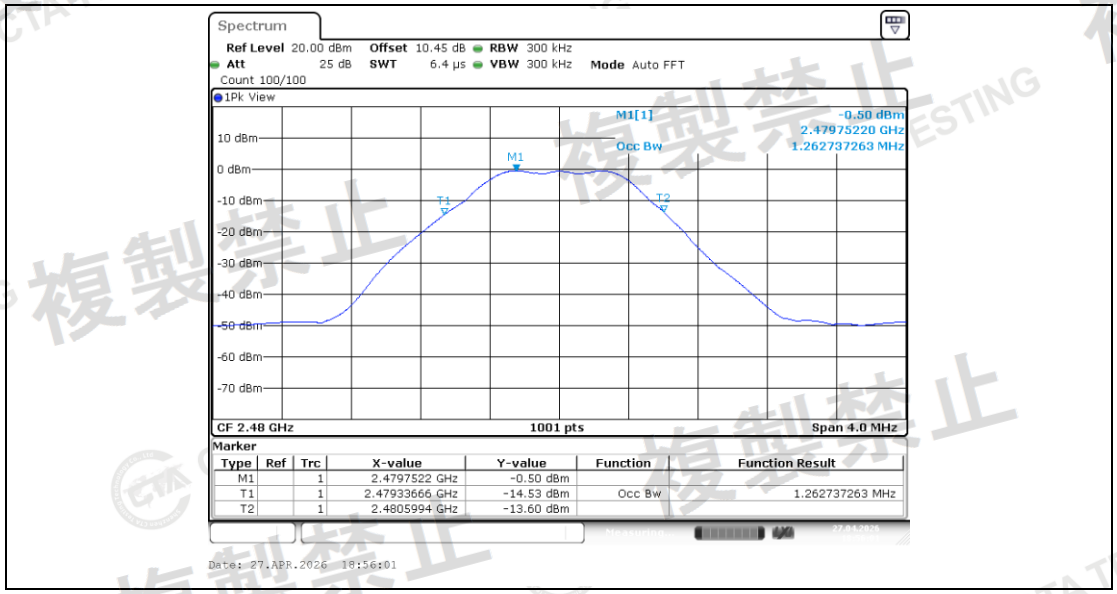
NTNV_BLE_1M_Ant1_2402



NTNV_BLE_1M_Ant1_2440



NTNV_BLE_1M_Ant1_2480


Spectrum
Ref Level 20.00 dBm Offset 10.45 dB RBW 300 kHz
Att 25 dB SWT 6.4 µs VBW 300 kHz Mode Auto FFT
Count 100/100
1Pk View
M1[1] -0.50 dBm
2.47975220 GHz
Occ Bw 1.262737263 MHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
T1
T2
CF 2.48 GHz
1001 pts
Span 4.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.4797522 GHz -0.50 dBm
T1 1 2.47933666 GHz -14.53 dBm Occ Bw 1.262737263 MHz
T2 1 2.4805994 GHz -13.60 dBm
Date: 27.APR.2026 18:56:01

Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.823	≥0.5	PASS
			2440	0.823	≥0.5	PASS
			2480	0.831	≥0.5	PASS

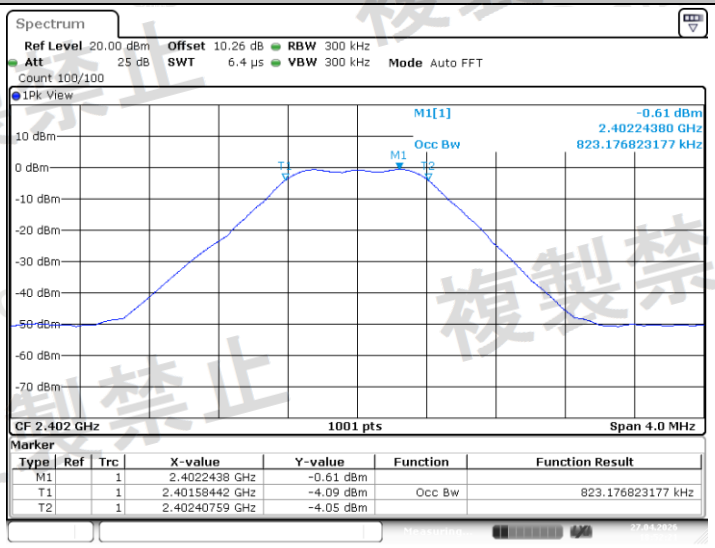
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	0.820	≥0.5	PASS
			2440	0.819	≥0.5	PASS
			2480	0.826	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	BLE_1M	Ant1	2402	0.819	≥0.5	PASS
			2440	0.822	≥0.5	PASS
			2480	0.828	≥0.5	PASS

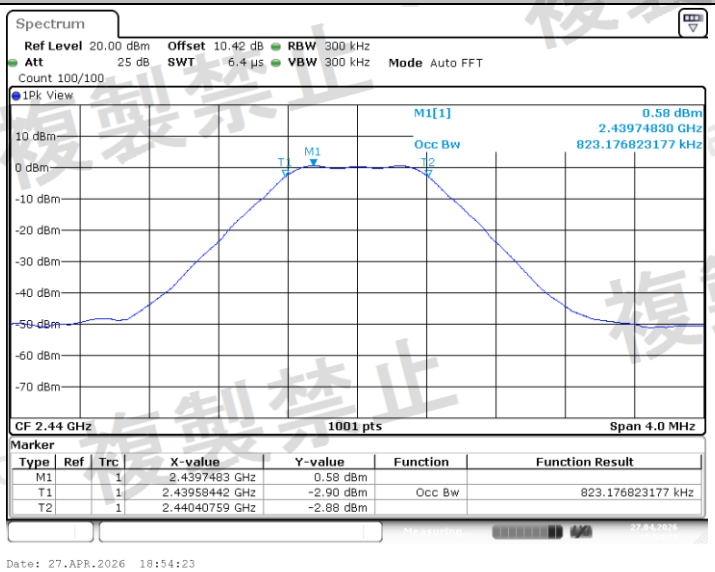
Test Graphs

Note:We test Normal Voltage, High Voltage, Low Voltage ,and recorded the worst test plot.

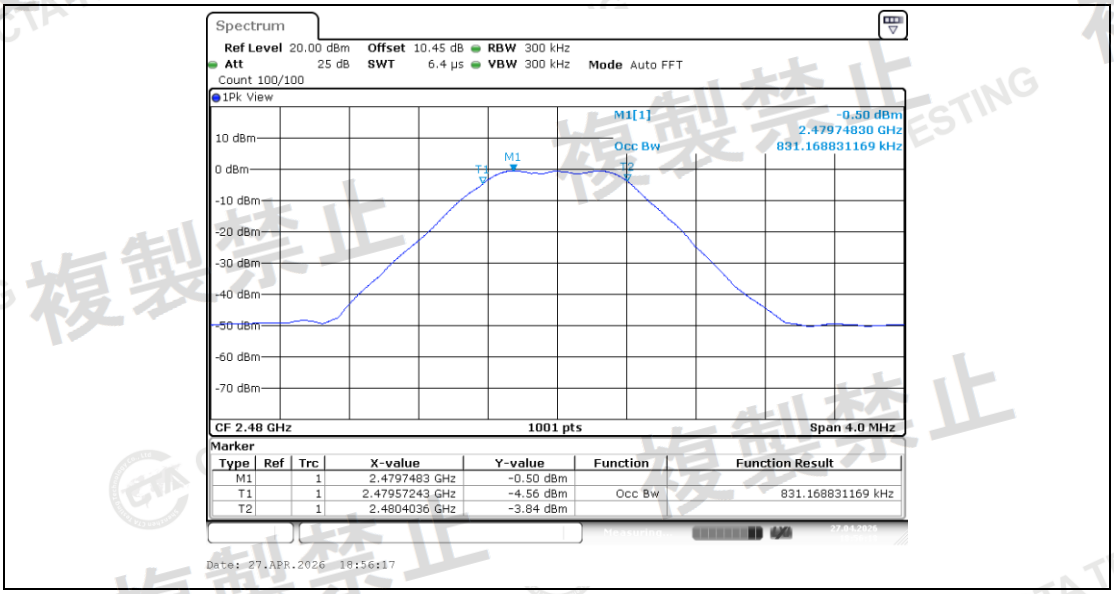
NTNV_BLE_1M_Ant1_2402



NTNV_BLE_1M_Ant1_2440



NTNV_BLE_1M_Ant1_2480


Spectrum
Ref Level 20.00 dBm Offset 10.45 dB RBW 300 kHz
Att 25 dB SWT 6.4 µs VBW 300 kHz Mode Auto FFT
Count 100/100
1Pk View
M1[1] -0.50 dBm
2.47974830 GHz
Occ Bw 831.168831169 kHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 2.48 GHz
1001 pts
Span 4.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.4797483 GHz -0.50 dBm
T1 1 2.47957243 GHz -4.56 dBm Occ Bw 831.168831169 kHz
T2 1 2.4804036 GHz -3.84 dBm
Date: 27.APR.2026 18:56:17

Appendix D: Spurious Emission of TX

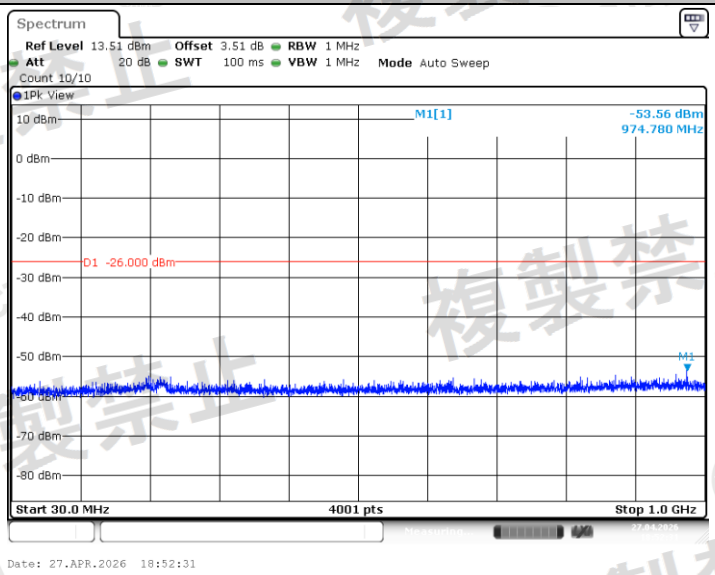
Test Result

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	974.78	-53.56	≤-26	0.00441	≤2.5	PASS
				1000~2387	1777.07	-54.03	≤-26	0.00395	≤2.5	PASS
				2387~2400	2400.00	-32.09	≤-16	0.61802	≤25	PASS
				2483.5~2496.5	2485.12	-42.49	≤-16	0.05636	≤25	PASS
				2496.5~13000	6858.08	-43.70	≤-26	0.04266	≤2.5	PASS
			2440	30~1000	913.43	-54.67	≤-26	0.00341	≤2.5	PASS
				1000~2387	1389.40	-53.70	≤-26	0.00427	≤2.5	PASS
				2387~2400	2393.31	-44.03	≤-16	0.03954	≤25	PASS
				2483.5~2496.5	2493.92	-43.68	≤-16	0.04285	≤25	PASS
				2496.5~13000	6930.03	-43.67	≤-26	0.04295	≤2.5	PASS
			2480	30~1000	209.69	-54.58	≤-26	0.00348	≤2.5	PASS
				1000~2387	2018.40	-53.18	≤-26	0.00481	≤2.5	PASS
				2387~2400	2399.14	-43.97	≤-16	0.04009	≤25	PASS
				2483.5~2496.5	2483.68	-38.68	≤-16	0.13552	≤25	PASS
				2496.5~13000	6684.77	-42.87	≤-26	0.05164	≤2.5	PASS

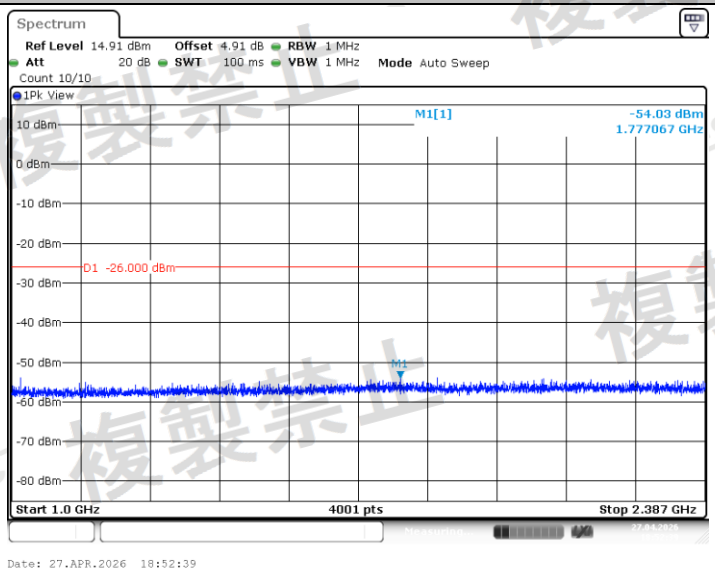
Test Graphs

Note:We test Normal Voltage, High Voltage, Low Voltage ,and recorded the worst test plot.

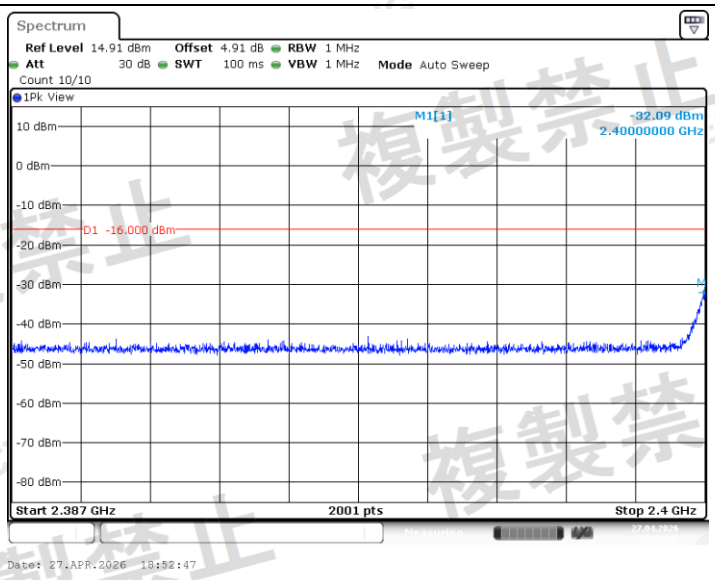
NTNV_BLE_1M_Ant1_2402_30~1000



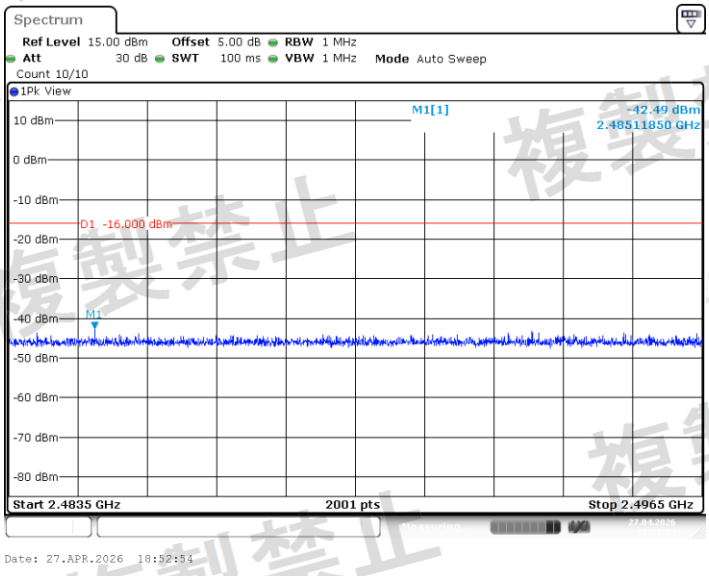
NTNV_BLE_1M_Ant1_2402_1000~2387



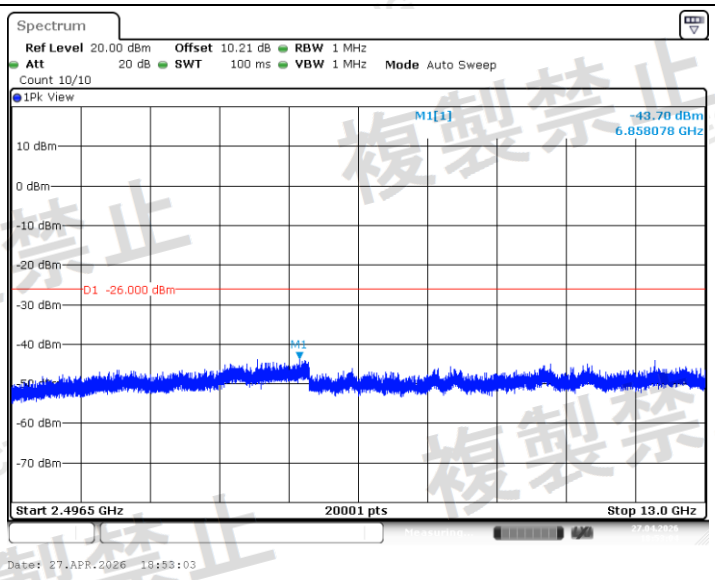
NTNV_BLE_1M_Ant1_2402_2387~2400



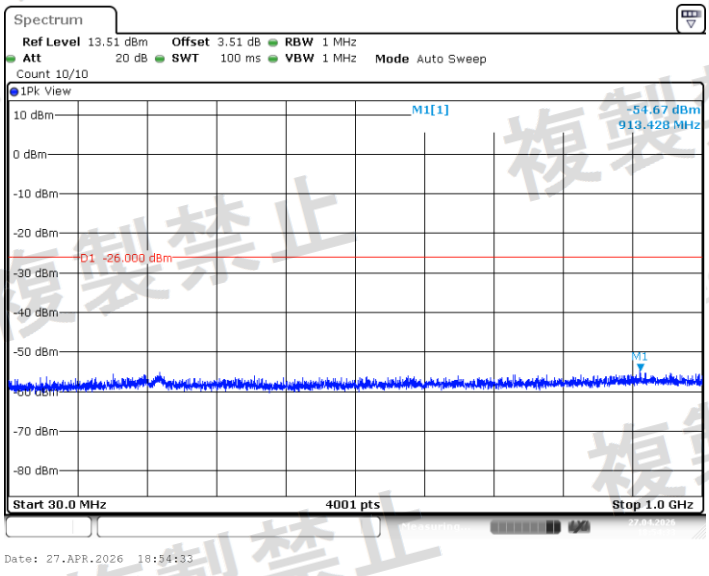
NTNV_BLE_1M_Ant1_2402_2483.5~2496.5



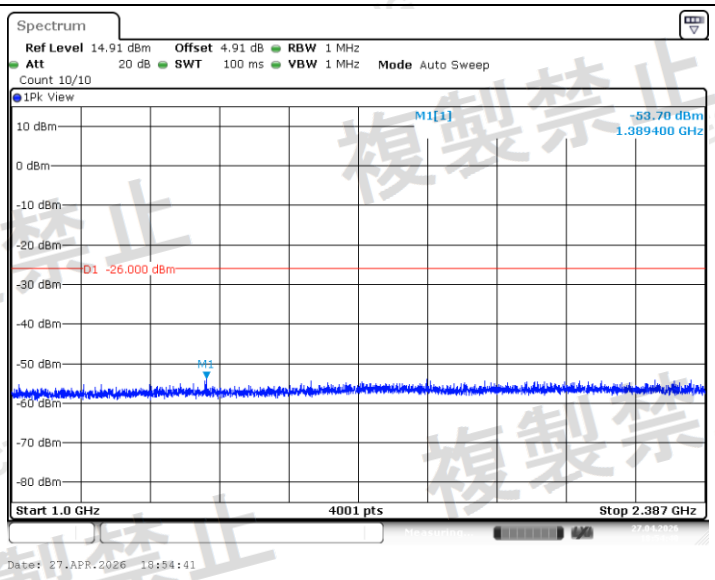
NTNV_BLE_1M_Ant1_2402_2496.5~13000



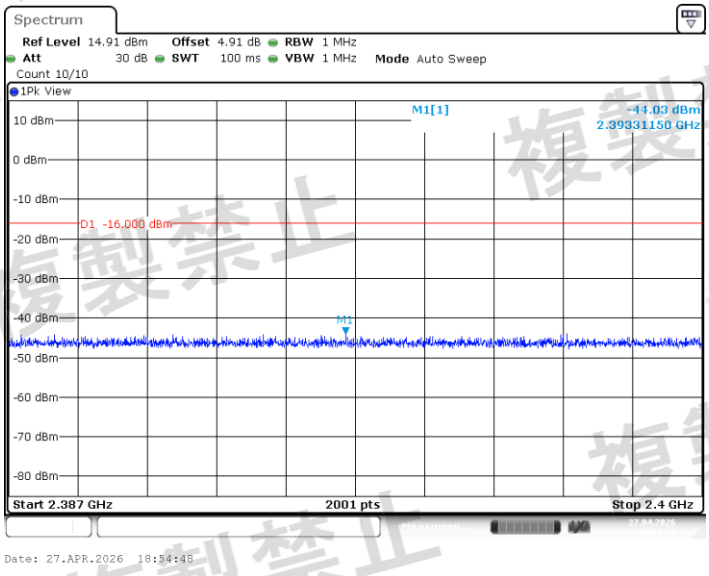
NTNV_BLE_1M_Ant1_2440_30~1000



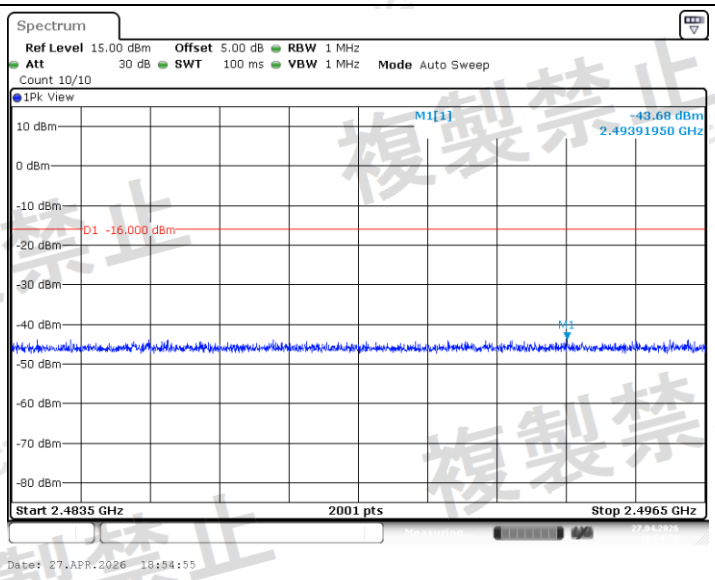
NTNV_BLE_1M_Ant1_2440_1000~2387



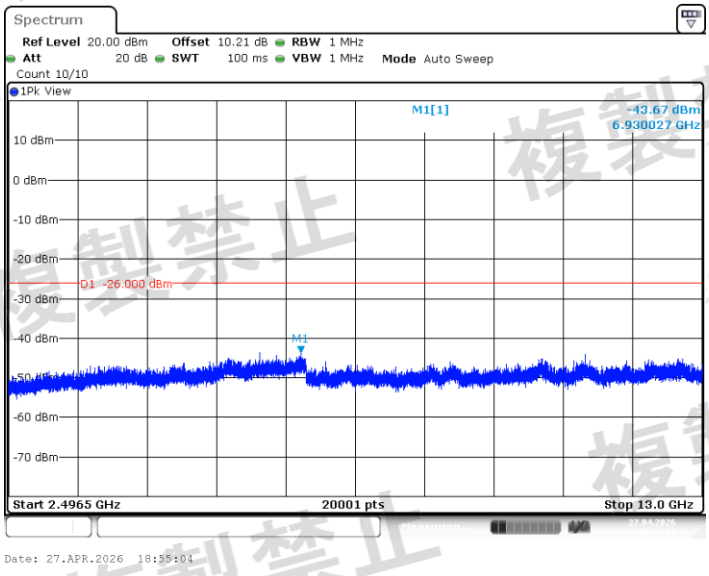
NTNV_BLE_1M_Ant1_2440_2387~2400



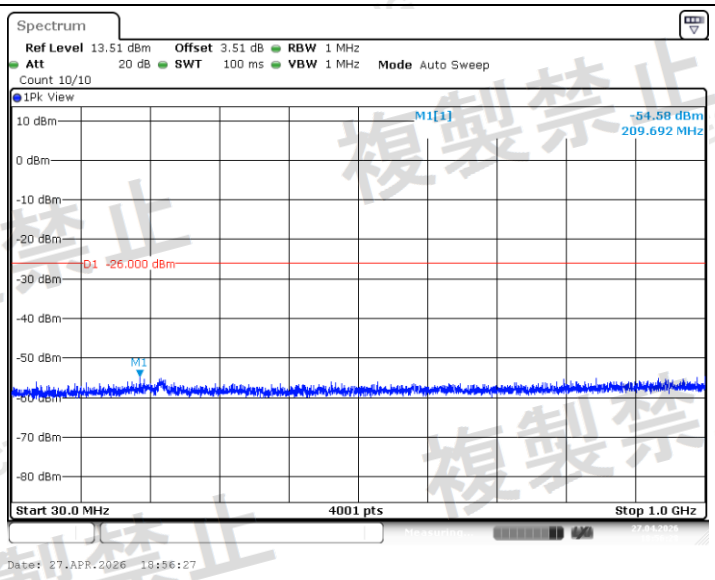
NTNV_BLE_1M_Ant1_2440_2483.5~2496.5



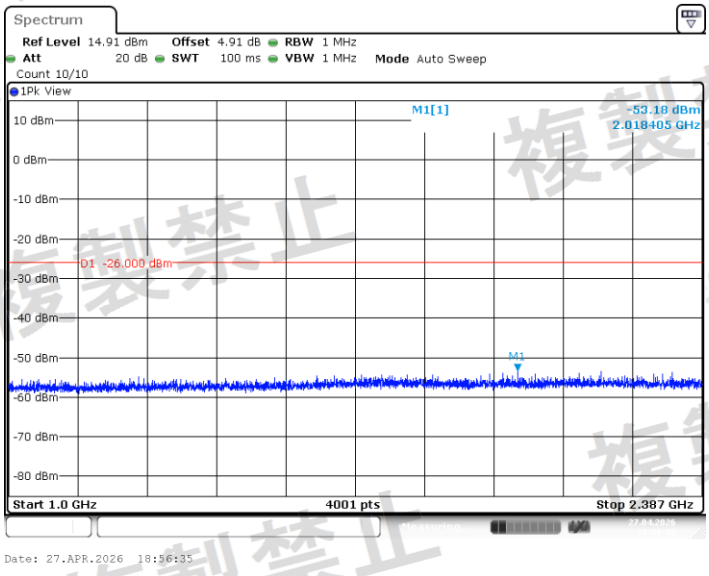
NTNV_BLE_1M_Ant1_2440_2496.5~13000



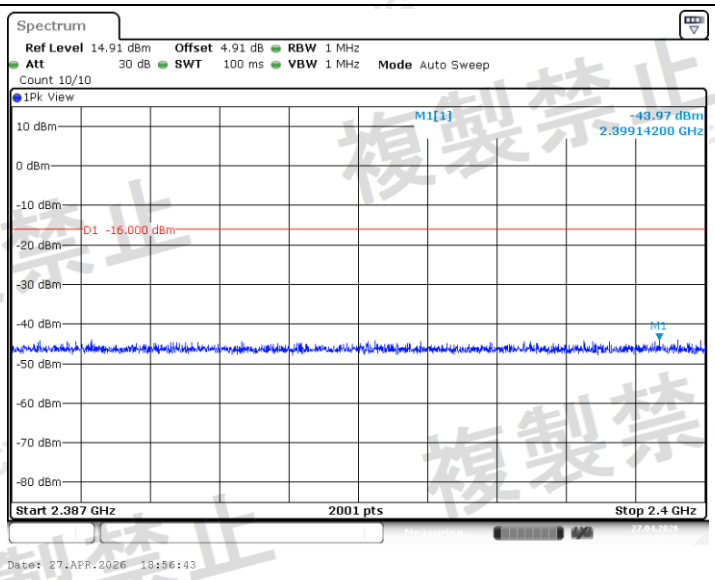
NTNV_BLE_1M_Ant1_2480_30~1000



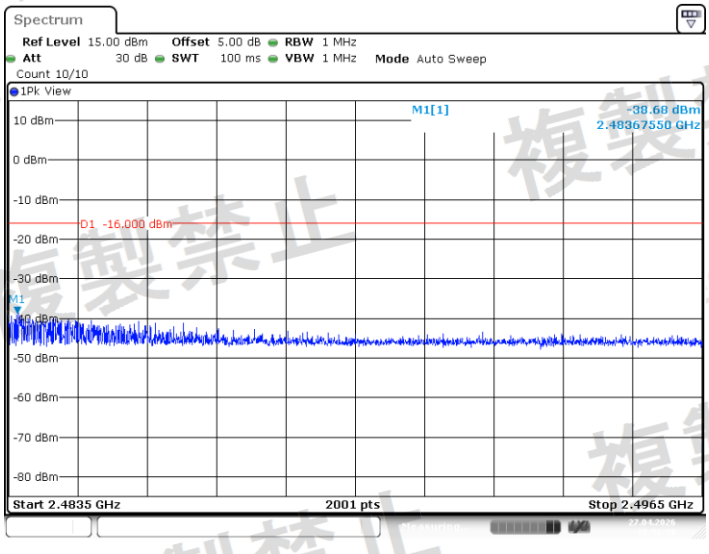
NTNV_BLE_1M_Ant1_2480_1000~2387



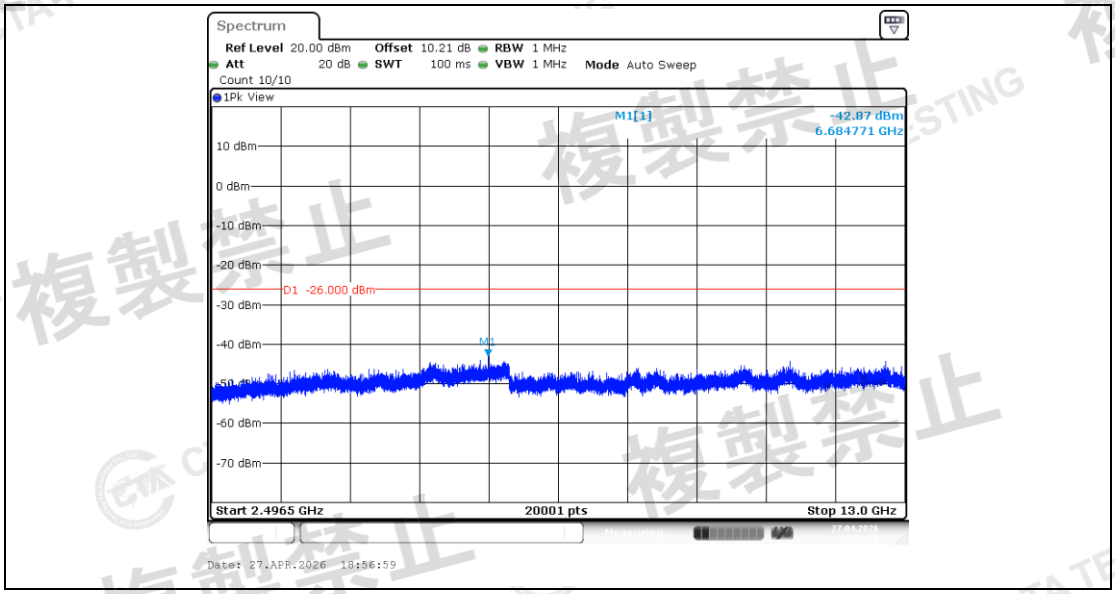
NTNV_BLE_1M_Ant1_2480_2387~2400



NTNV_BLE_1M_Ant1_2480_2483.5~2496.5



NTNV_BLE_1M_Ant1_2480_2496.5~13000


Spectrum
Ref Level 20.00 dBm Offset 10.21 dB RBW 1 MHz
Att 20 dB SWT 100 ms VBW 1 MHz Mode Auto Sweep
Count 10/10
1Pk View
M1[1] -42.87 dBm
6.684771 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
D1 -26.000 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
Start 2.4965 GHz
20001 pts
Stop 13.0 GHz
Date: 27.APR.2026 18:56:59

Appendix F: Spurious Emission of RX

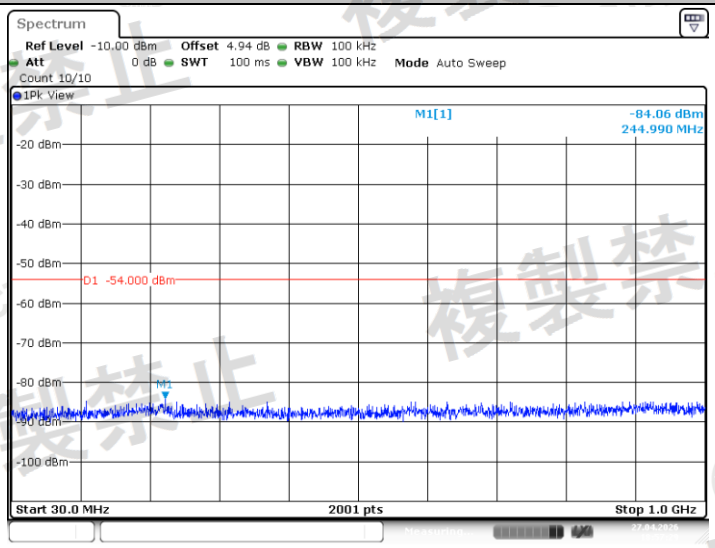
Test Result

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	244.99	-84.06	≤-54	0.00393	≤4	PASS
				1000~12500	5896.17	-69.02	≤-47	0.12531	≤20	PASS
			2440	30~1000	236.26	-82.78	≤-54	0.00527	≤4	PASS
				1000~12500	6867.87	-68.97	≤-47	0.12677	≤20	PASS
			2480	30~1000	962.43	-83.18	≤-54	0.00481	≤4	PASS
				1000~12500	6644.78	-69.57	≤-47	0.11041	≤20	PASS

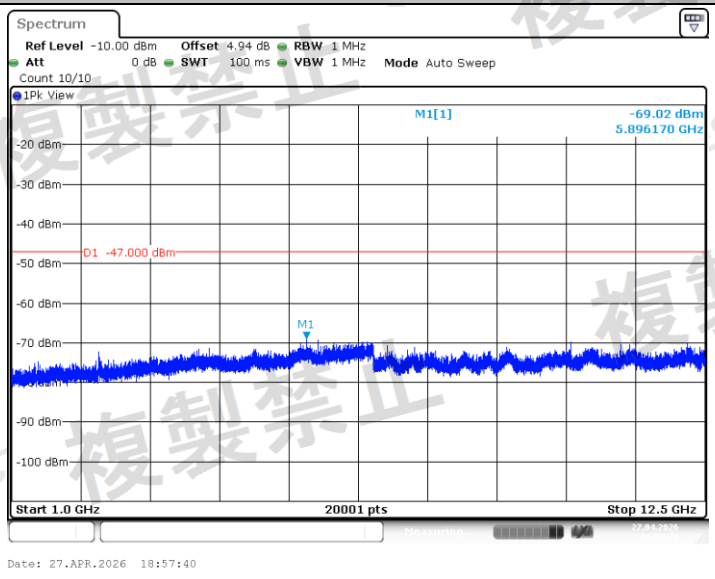
Test Graphs

Note:We test Normal Voltage, High Voltage, Low Voltage ,and recorded the worst test plot.

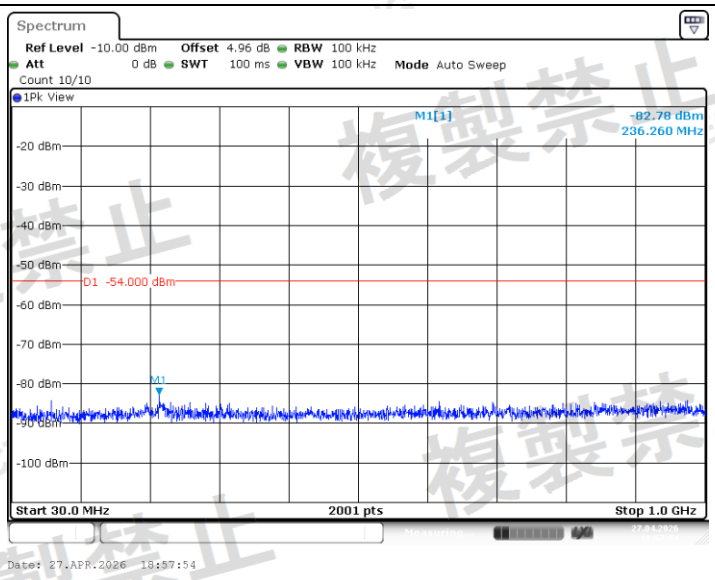
NTNV_BLE_1M_Ant1_2402_30~1000



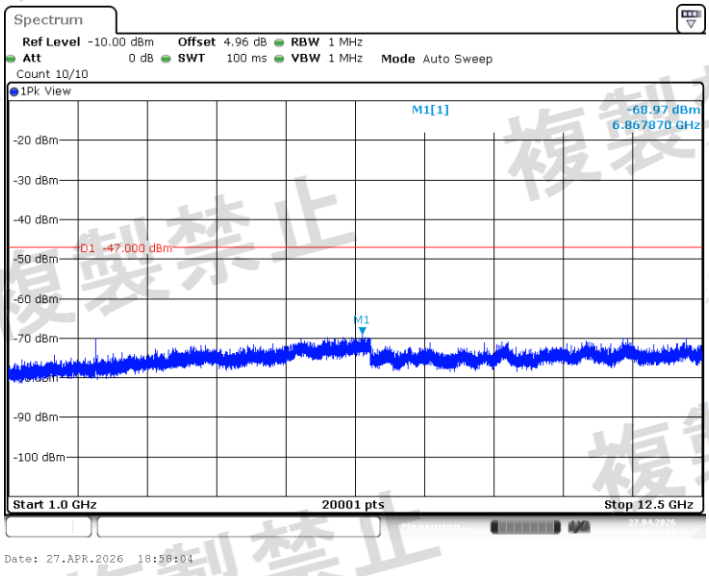
NTNV_BLE_1M_Ant1_2402_1000~12500



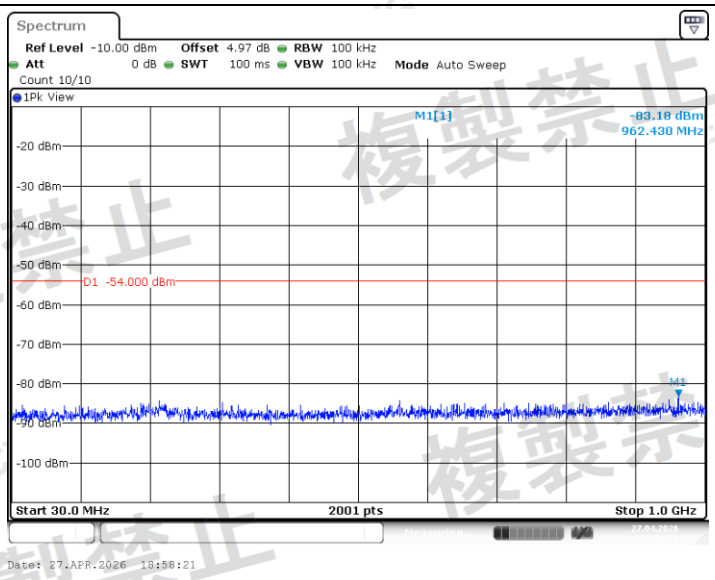
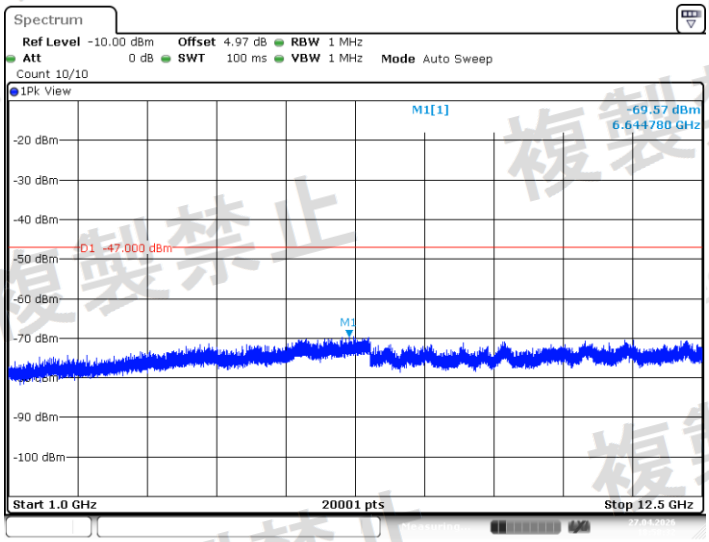
NTNV_BLE_1M_Ant1_2440_30~1000



NTNV_BLE_1M_Ant1_2440_1000~12500



NTNV_BLE_1M_Ant1_2480_30~1000



NTNV_BLE_1M_Ant1_2480_1000~12500