

JAPAN MIC RF TEST REPORT

Applicant	:	Xiaomi Communications Co., Ltd.
Address	:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, 100085, China
Manufacturer	:	Xiaomi Communications Co., Ltd.
Address	:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, 100085, China
Trade Name	:	Xiaomi, MI, Mijia
Equipment under Test	:	Robotic Vacuum Cleaner
Model No.	:	PV51
Report No.	:	LS-R26051112-1F02
Issue Date	:	Jun. 05, 2026

LabSure Testing Services (Suzhou) Co., Ltd.

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TEST REPORT DECLARE

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Model No.	:	PV51
Trade Name	:	Xiaomi, MI, Mijia

Standard: MIC Article 2, Paragraph 1, Item 19.

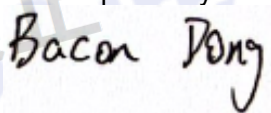
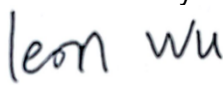
Test method: MIC Notification 88, Appendix No. 43.

We Declare:

The equipment described above is tested by LabSure Testing Services (Suzhou) Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and LabSure Testing Services (Suzhou) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above standard.

Report No.:	LS-R26051112-1F02		
Sample No:	Y26051112-01		
Date of Receipt:	May. 12, 2026	Date of Test:	May. 13, 2026~ Jun. 01, 2026

Prepared By: 	Reviewed By: 	Authorized By: 
Bacon Dong/Engineer	Leon Wu/Director	Chris Zhong/Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Suzhou) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

Revision history

Rev.	Revisions	Issue Date	Revised By
V0	Initial issue	Jun. 05, 2026	

1. Summary of test results

TEST PARAMETER	STANDARD	METHOD	RESULTS
Antenna Power	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	PASS
Tolerances for Antenna Power	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	PASS
Frequency Tolerance	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	PASS
Transmission Rate	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Occupied Frequency Bandwidth	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	PASS
Spread Bandwidth	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Spreading Factor	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Number of Carriers	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Dwell Time	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Spurious Emissions	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	PASS
Carrier Sense	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Process Gain	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	N/A
Secondary Radiated Emissions	MIC Article 2, Paragraph 1, Item 19	MIC Notification 88Appendix No.43	PASS
Note: 1) The measurement result for the sample received is <Pass> according to < MIC Notification 88, Appendix No. 43.> when < Simple Acceptance > decision rule is applied. 2) N/A is an abbreviation for Not Applicable.			

2. General test information

2.1. Description of EUT

EUT* Name	: Robotic Vacuum Cleaner
Model Number	: PV51
EUT function description	: Please reference user manual of this device
Power supply	: AC 100-120V~50/60Hz
Radio Specification	: Bluetooth LE
Operation frequency	: 2402MHz-2480MHz
Modulation	: GFSK
Data rate	: 1Mbps, 2Mbps
Antenna Type	: PCB Antenna
Antenna Gain	: Maximum PK gain: 2.92dBi (Declare by customer and the lab isn't responsible for the value)

Note1: EUT is the ab. of equipment under test.

Remark: The information in this section is provided by the customer, the laboratory is not liable to the accuracy, suitability, reliability or/and integrity of the information.

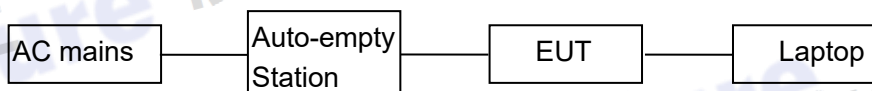
2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Other
Auto-empty Station	Xiaomi Communications Co., Ltd.	PV51JCZ	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	Description
Notebook	Lenovo Beijing Co. Ltd.	Xiaoxin 14c RH10	CE/FCC	Supplied by lab

2.4. Block diagram of EUT configuration for test



The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

Test software: Adb.EXE, Version: 1.0.40

The path loss of external cable: 0.5dB (According to the manufacturer's claims)

Tested mode, channel, and data rate information			
Mode	Channel	Frequency (MHz)	Power Level
BLE (1M)	CH Low	2402	9
	CH Middle	2440	9
	CH High	2480	9
BLE (2M)	CH Low	2404	9
	CH Middle	2440	9
	CH High	2478	9

2.5. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

	Normal Conditions
Temperature range	20-28°C
Humidity range	45-75%
Pressure range	86-106kPa
Power supply	DC 20.0V (When the input voltage to equipment fluctuated $\pm 10\%$, the RF unit circuit voltage fluctuation under 1%, therefore all test performed on the rated voltage for equipment.)

The measurement result of the voltage fluctuation at RF circuit when DC 20V $\pm 10\%$.		
Input voltage		RF module voltage
+10% of rate voltage	DC 22.0V	DC 3.30 V
Rate voltage	DC 20.0V	DC 3.30 V
-10% of rate voltage	DC 18.0V	DC 3.30 V

2.6. Deviations of test standard

No Deviation.

2.7. Test laboratory

LabSure Testing Services (Suzhou) Co., Ltd.

Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China

A2LA Certificate Number: 7346.01

FCC Designation Number: CN1397

ISED (Innovation, Science and Economic Development Canada) Company Number: 32952

Conformity Assessment Body Identifier: CN0182

VCCI Facility Registration Number: C-20192, T-20192, R-20236, R-20237, G-20231

Test Item	Facility No. Registered to VCCI	Expiration date
Conducted emission at AC mains terminals	C-20192	11/24/2027
Conducted emissions at Telecommunication ports	T-20192	11/24/2027
Radiated emission below 1 GHz	☒ R-20236[10m] ☐ R-20237[3m]	11/24/2027
Radiated emission above 1 GHz	G-20231	11/24/2027

2.8. Measurement uncertainty

Test Item	Uncertainty
Occupied Channel Bandwidth	$\pm 0.14\%$
Uncertainty for radio frequency	1×10^{-7} MHz
RF Output power, conducted	± 0.12 dB
Power Spectral Density, Conducted	± 0.12 dB
Unwanted Emissions, Conducted	± 0.52 dB
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 1\%$
DC and Low frequency voltage	$\pm 0.5\%$
Time	$\pm 0.46\%$
Duty Cycle	$\pm 0.46\%$

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

3. Equipment used during test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval	Calibration body
RF Conducted Test						
PXA Signal Analyzer	Keysight	N9010A	MY53281492	2026/02/11	1 Year	JEPSI
PXA Signal Analyzer	Keysight	N9030B	MY56320639	2026/03/17	1 Year	GRGTEST
Power Sensor	Keysight	U2021XA	MY59150007	2026/02/11	1 Year	JEPSI
MXG Vector Signal Generator	Keysight	N5182A	MY50143288	2026/02/11	1 Year	JEPSI
DC Power Supply	Chroma	62012P-80-60	62012PD00544	2026/01/13	1 Year	GRGTEST
Test Software	MWRFTes	MTS8310	V03	N/A	N/A	N/A
Remark: Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1). GRGTEST is GRG METROLOGY & TEST GROUP CO., LTD. and compliant with the requirement in remark. 1) JEPSI is Jiangsu Electronic Information Product Quality Supervision & Inspection Institute and compliant with the requirement in remark.						

4. Antenna Power and Tolerances for Antenna Power

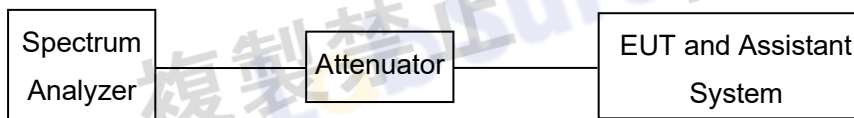
4.1. General Information

Test date	May. 17, 2026	Test engineer	Luke Li	
Climate condition	Ambient temperature	24.0°C	Relative humidity	64.3%
	Atmospheric pressure	101.5kPa		
Test place	EMC Room 1#			

4.2. Limit

Modulation System	Frequency Band Used	Antenna Power (Max.)	EIRP (Max.)	
			Omnidirectional Case	Directional Case
DS, OFDM	2400-2483.5MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz
FH, DS-FH, FH-OFDM	2400-2483.5MHz	3mW/MHz	6.91dBm/MHz	16.91dBm/MHz
	Excluding 2427-2470.75MHz	10mW/MHz	12.14dBm/MHz	22.14dBm/MHz
Other than the above	2400-2483.5MHz	10mW	12.14dBm	22.14dBm
Tolerance: +20%				

4.3. Block diagram of test setup



4.4. Test Procedure

- (1) Connect each EUT's antenna output to average power sensor by RF cable and attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The center frequency of the channel under test.

Resolution BW: 1 MHz.

Video BW: 1 MHz.

Span: 4 MHz.

Detector: Peak.

Trace Mode: Max Hold.

- (2) Measurement of average antenna power

Centre Frequency: Frequency of peak power found in step (1)

Span: 0 Hz

Resolution BW: 1MHz

Video BW: 1MHz

Detector: Sample

Sweep: Minimum time required to make an accurate measurement.

For burst type (intermittent) transmission, sweep time shall be greater than one burst interval.

Sweep data points: 1001 or greater

Note: The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.

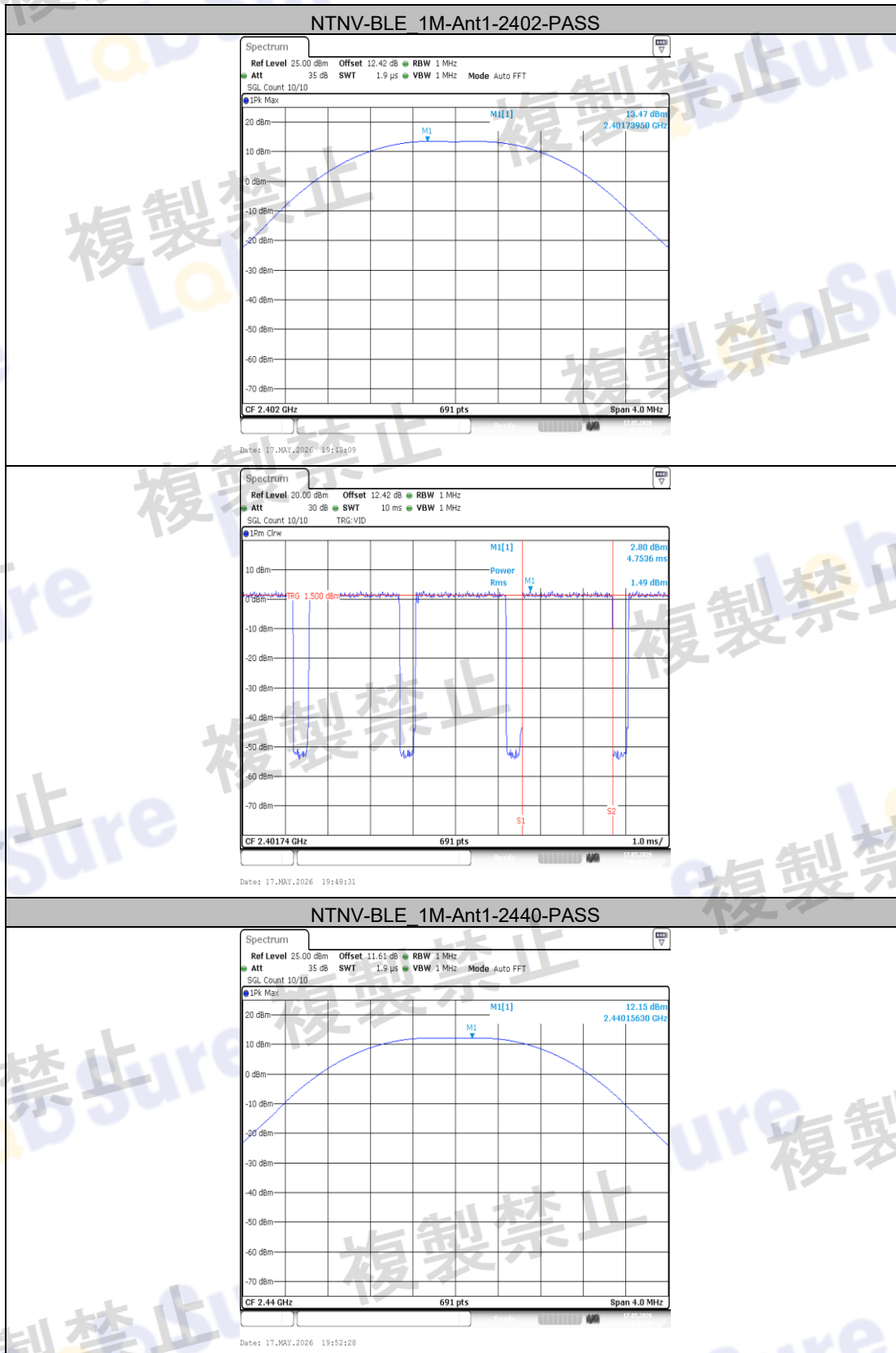
4.5. Test Result

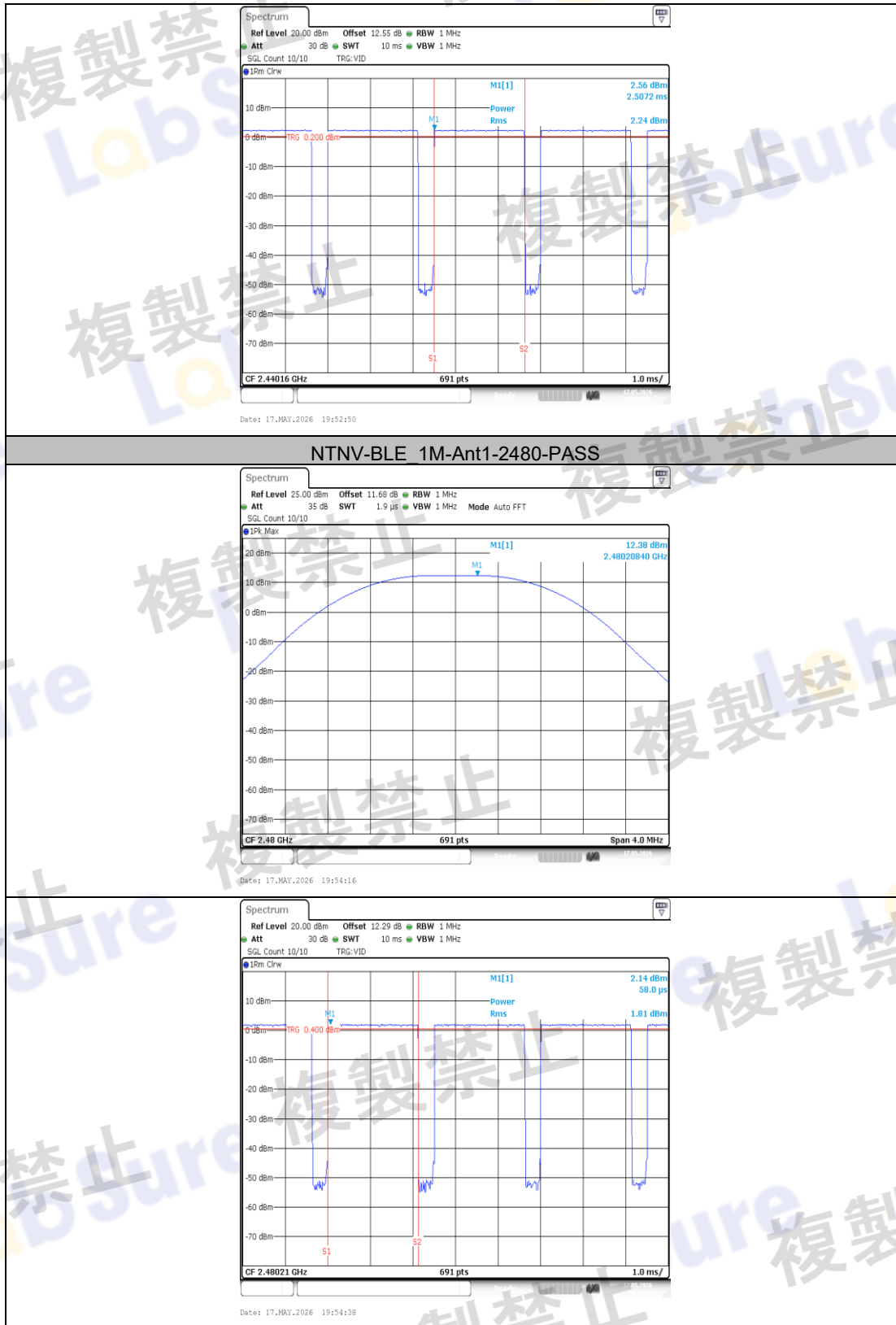
Test Condition	Test Mode	Freq(MHz)	Result(dBm)	Result(mW)	Limit(mW)	Verdict
NTNV	BLE_1M	2402	1.49	1.4093	≤10	PASS
NTNV	BLE_1M	2440	2.24	1.6749	≤10	PASS
NTNV	BLE_1M	2480	1.81	1.5171	≤10	PASS
NTNV	BLE_2M	2404	-0.98	0.7980	≤10	PASS
NTNV	BLE_2M	2440	-2.41	0.5741	≤10	PASS
NTNV	BLE_2M	2478	-2.29	0.5902	≤10	PASS

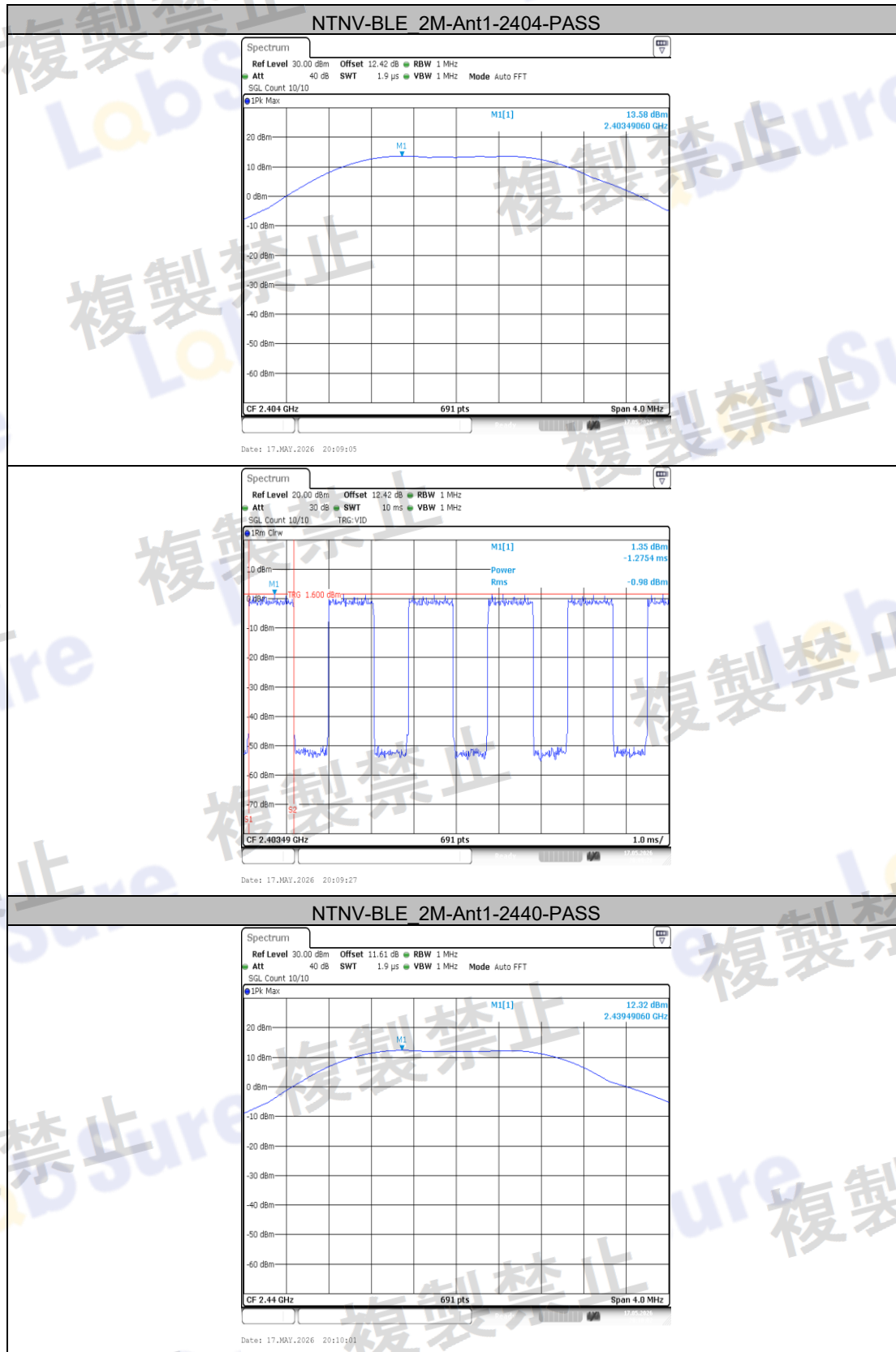
Test Condition	Test Mode	Freq(MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_1M	2402	1.4093	1.7	-17.10	+20	PASS
NTNV	BLE_1M	2440	1.6749	1.7	-1.48	+20	PASS
NTNV	BLE_1M	2480	1.5171	1.7	-10.76	+20	PASS
NTNV	BLE_2M	2404	0.7980	0.8	-0.25	+20	PASS
NTNV	BLE_2M	2440	0.5741	0.8	-28.24	+20	PASS
NTNV	BLE_2M	2478	0.5902	0.8	-26.23	+20	PASS

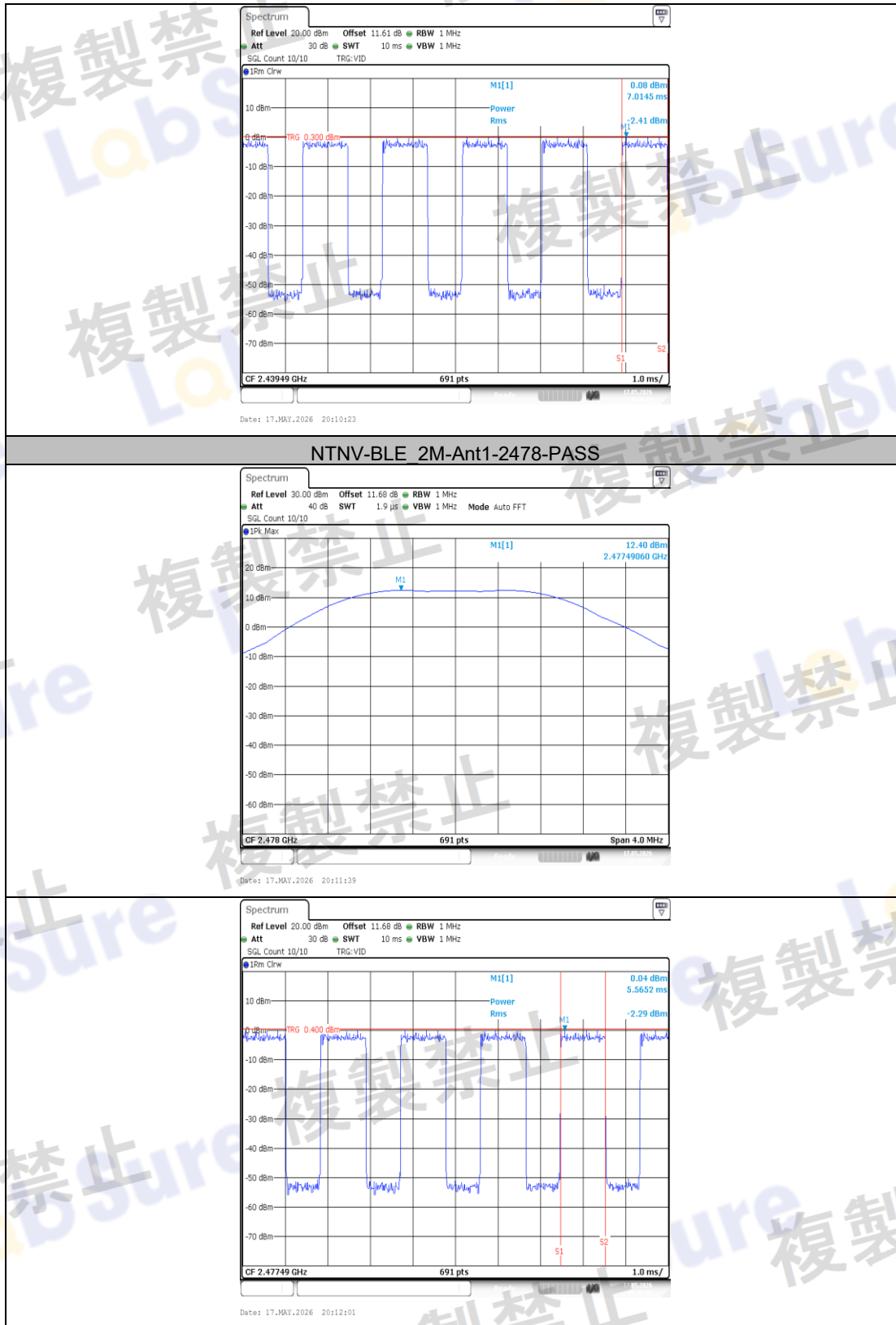
Test Condition	Test Mode	Freq(MHz)	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
NTNV	BLE_1M	2402	1.49	4.41	≤12.14	PASS
NTNV	BLE_1M	2440	2.24	5.16	≤12.14	PASS
NTNV	BLE_1M	2480	1.81	4.73	≤12.14	PASS
NTNV	BLE_2M	2404	-0.98	1.94	≤12.14	PASS
NTNV	BLE_2M	2440	-2.41	0.51	≤12.14	PASS
NTNV	BLE_2M	2478	-2.29	0.63	≤12.14	PASS

4.6. Test Graphs









5. Frequency Tolerance

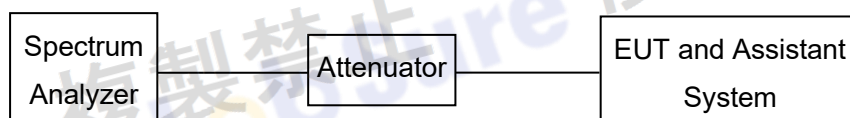
5.1. General Information

Test date	May. 17, 2026	Test engineer	Luke Li	
Climate condition	Ambient temperature	24.0°C	Relative humidity	64.3%
	Atmospheric pressure	101.5kPa		
Test place	EMC Room 1#			

5.2. Limit

+/- 50 x 10⁻⁶ or less (50ppm)

5.3. Block diagram of test setup



5.4. Test Procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The center frequency of the channel under test.

Resolution BW: 100 kHz.

Video BW: 100 kHz.

Span: 1 MHz.

Detector: Peak.

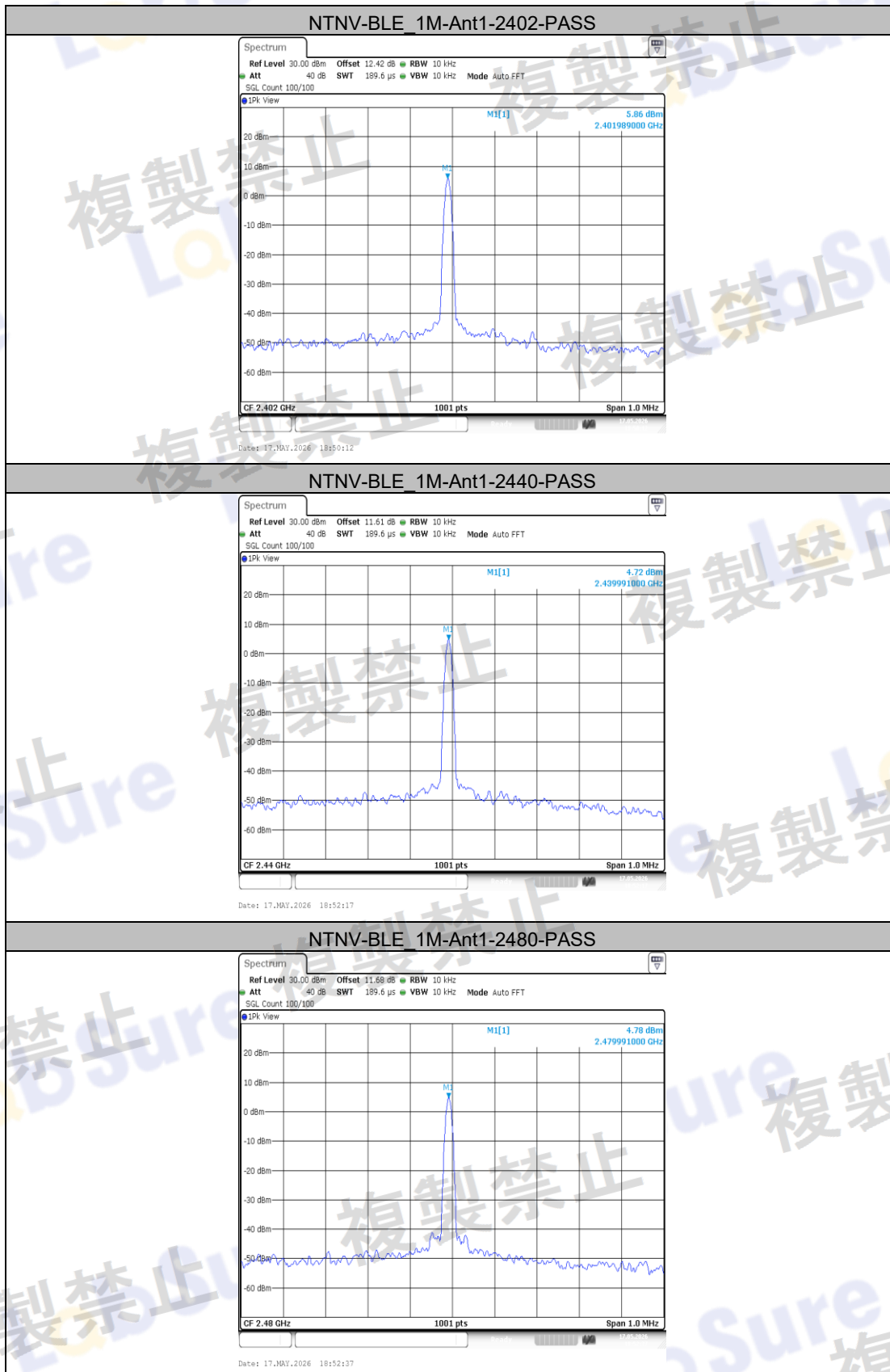
Trace Mode: Max Hold.

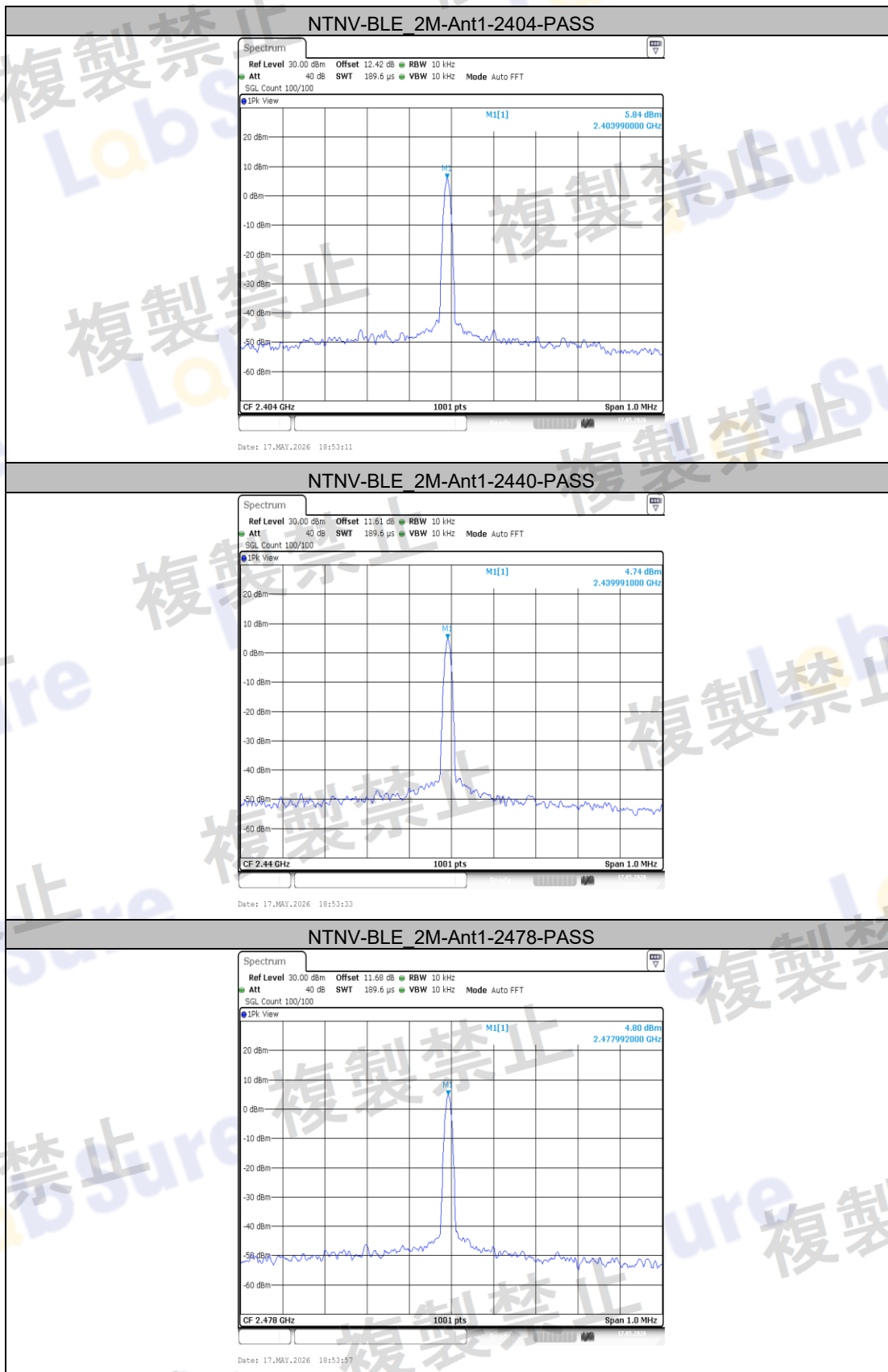
- (2) When the trace is complete, find the peak value of the power envelope and record the frequency.

5.5. Test Result

Test Condition	Test Mode	Freq(MHz)	Center Freq [MHz]	Result[ppm]	Limit [ppm]	Verdict
NTNV	BLE_1M	2402	2401.989	-4.57952	±50	PASS
NTNV	BLE_1M	2440	2439.991	-3.68853	±50	PASS
NTNV	BLE_1M	2480	2479.991	-3.62903	±50	PASS
NTNV	BLE_2M	2404	2403.99	-4.15973	±50	PASS
NTNV	BLE_2M	2440	2439.991	-3.68853	±50	PASS
NTNV	BLE_2M	2478	2477.992	-3.22841	±50	PASS

5.6. Test Graphs





6. Occupied Frequency Bandwidth

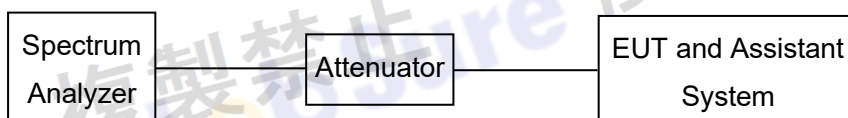
6.1. General Information

Test date	May. 17, 2026	Test engineer	Luke Li	
Climate condition	Ambient temperature	24.0°C	Relative humidity	64.3%
	Atmospheric pressure	101.5kPa		
Test place	EMC Room 1#			

6.2. Limit

26MHz or less

6.3. Block diagram of test setup



6.4. Test Procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The center frequency of the channel under test.

Resolution BW: 300 kHz

Video BW: 300 kHz

Span: 4MHz

Detector: Peak.

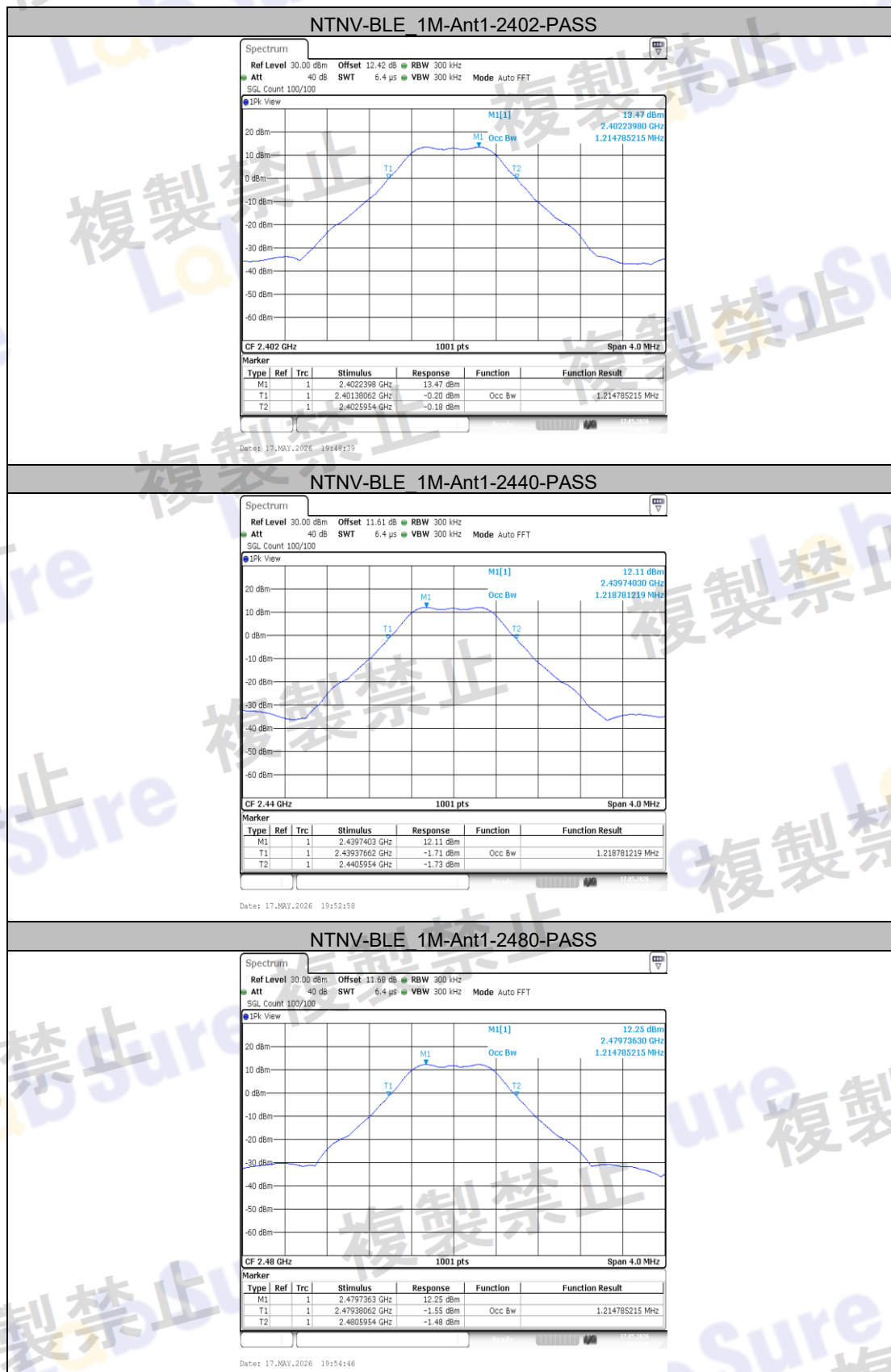
Trace Mode: Max Hold.

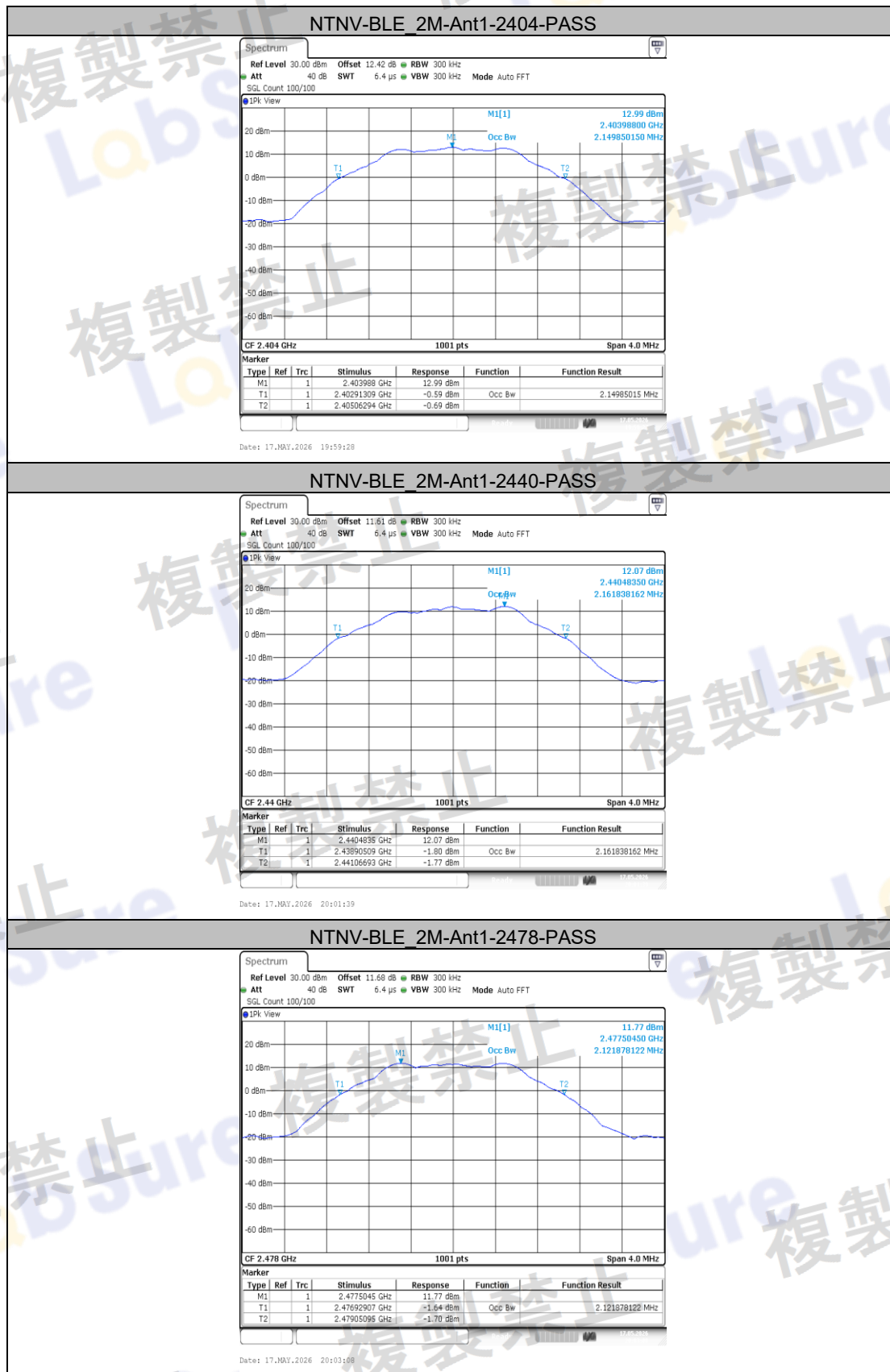
- (2) When the trace is complete, measure the Occupied bandwidth (99% bandwidth) with spectrum analyzer's bandwidth measure function.

6.5. Test Result

Test Condition	Test Mode	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	2402	1.215	≤26	PASS
NTNV	BLE_1M	2440	1.219	≤26	PASS
NTNV	BLE_1M	2480	1.215	≤26	PASS
NTNV	BLE_2M	2404	2.150	≤26	PASS
NTNV	BLE_2M	2440	2.162	≤26	PASS
NTNV	BLE_2M	2478	2.122	≤26	PASS

6.6. Test Graphs





7. Transmitter Spurious Emissions (conducted)

7.1. General Information

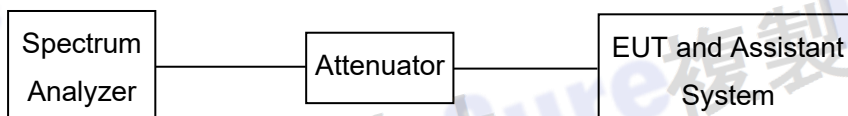
Test date	May. 17, 2026	Test engineer	Luke Li	
Climate condition	Ambient temperature	24.0°C	Relative humidity	64.3%
	Atmospheric pressure	101.5kPa		
Test place	EMC Room 1#			

7.2. Limit

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows:

- a. $2,387\text{MHz} \leq f \leq 2,400\text{MHz}$ and $2,483.5\text{MHz} < f \leq 2,496.5\text{MHz}$ 25 μW (-16dBm) or less
- b. $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f \leq 13\text{GHz}$ 2.5 μW (-26dBm) or less

7.3. Block diagram of test setup



7.4. Test Procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator.
- (2) Set the spectrum analyzer as below, sweep the frequency, and search for unwanted emissions.

Resolution BW: Reference Bandwidth

Video BW: Same with Resolution BW

Detector: Peak

Trace Mode: Max. Hold

- (3) All the emissions from 30MHz to 13GHz were measured and record.

- (4) If spurious emissions are greater than [limit -3dB], the spectrum shell be set as below, the measured value shall be the result.

Centre Frequency: frequency of measured in (3).

Resolution BW: 1MHz

Video BW: 1 MHz

Span: 0Hz.

Detector: Sample.

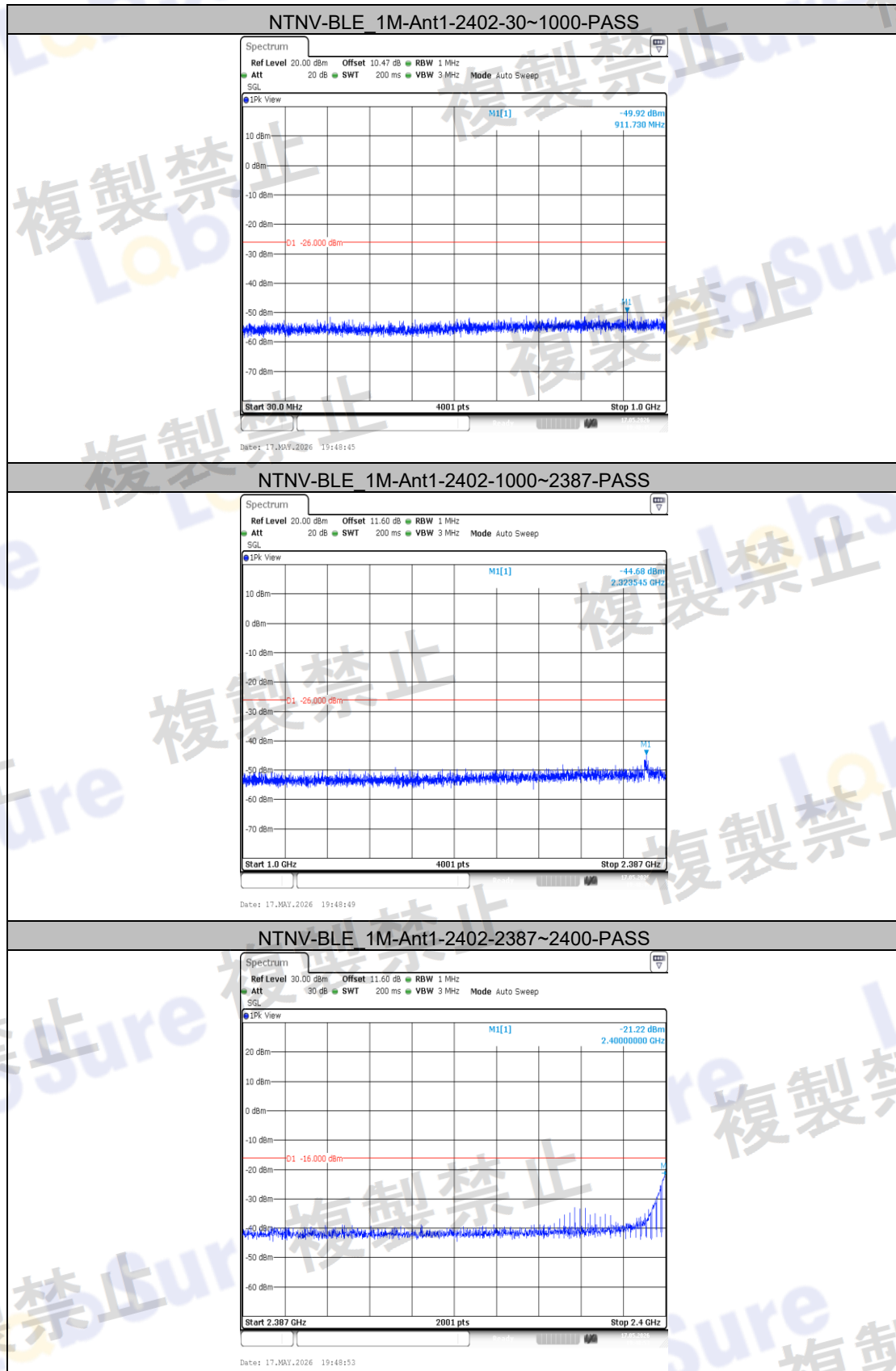
Sweep mode: Single

- (5) If there are multiple antennas, it is measured at each antenna.

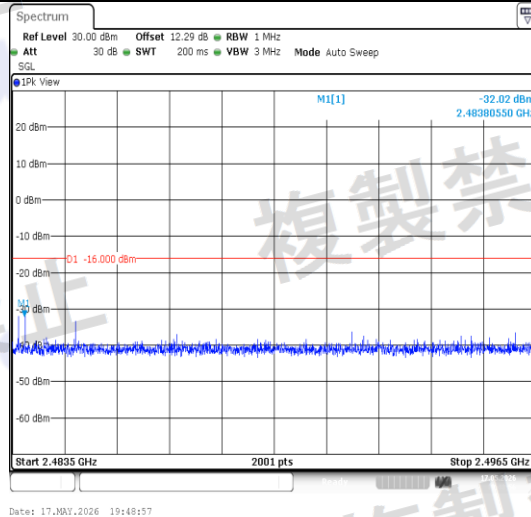
7.5. Test Result

Test Condition	Test Mode	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μ W]	Limit [μ W]	Verdict
NTNV	BLE 1M	2402	30~1000	911.73	-49.92	≤ -26	0.01019	≤ 2.5	PASS
NTNV	BLE 1M	2402	1000~2387	2323.54	-44.68	≤ -26	0.03404	≤ 2.5	PASS
NTNV	BLE 1M	2402	2387~2400	2400.00	-21.22	≤ -16	7.55092	≤ 25	PASS
NTNV	BLE 1M	2402	2483.5~2496.5	2483.81	-32.02	≤ -16	0.62806	≤ 25	PASS
NTNV	BLE 1M	2402	2496.5~13000	4803.59	-34.76	≤ -26	0.33420	≤ 2.5	PASS
NTNV	BLE 1M	2440	30~1000	833.16	-50.49	≤ -26	0.00893	≤ 2.5	PASS
NTNV	BLE 1M	2440	1000~2387	2358.91	-46.85	≤ -26	0.02065	≤ 2.5	PASS
NTNV	BLE 1M	2440	2387~2400	2396.68	-36.98	≤ -16	0.20045	≤ 25	PASS
NTNV	BLE 1M	2440	2483.5~2496.5	2487.80	-33.59	≤ -16	0.43752	≤ 25	PASS
NTNV	BLE 1M	2440	2496.5~13000	6894.32	-36.68	≤ -26	0.21478	≤ 2.5	PASS
NTNV	BLE 1M	2480	30~1000	886.51	-51.14	≤ -26	0.00769	≤ 2.5	PASS
NTNV	BLE 1M	2480	1000~2387	2120.35	-48.49	≤ -26	0.01416	≤ 2.5	PASS
NTNV	BLE 1M	2480	2387~2400	2396.00	-38.16	≤ -16	0.15276	≤ 25	PASS
NTNV	BLE 1M	2480	2483.5~2496.5	2486.54	-34.50	≤ -16	0.35481	≤ 25	PASS
NTNV	BLE 1M	2480	2496.5~13000	6873.31	-36.89	≤ -26	0.20464	≤ 2.5	PASS
NTNV	BLE 2M	2404	30~1000	905.67	-51.05	≤ -26	0.00785	≤ 2.5	PASS
NTNV	BLE 2M	2404	1000~2387	2236.86	-48.67	≤ -26	0.01358	≤ 2.5	PASS
NTNV	BLE 2M	2404	2387~2400	2398.03	-31.04	≤ -16	0.78705	≤ 25	PASS
NTNV	BLE 2M	2404	2483.5~2496.5	2494.82	-37.49	≤ -16	0.17824	≤ 25	PASS
NTNV	BLE 2M	2404	2496.5~13000	6791.91	-36.06	≤ -26	0.24774	≤ 2.5	PASS
NTNV	BLE 2M	2440	30~1000	855.23	-50.75	≤ -26	0.00841	≤ 2.5	PASS
NTNV	BLE 2M	2440	1000~2387	2287.48	-48.30	≤ -26	0.01479	≤ 2.5	PASS
NTNV	BLE 2M	2440	2387~2400	2387.28	-37.48	≤ -16	0.17865	≤ 25	PASS
NTNV	BLE 2M	2440	2483.5~2496.5	2485.19	-33.75	≤ -16	0.42170	≤ 25	PASS
NTNV	BLE 2M	2440	2496.5~13000	6586.56	-36.96	≤ -26	0.20137	≤ 2.5	PASS
NTNV	BLE 2M	2478	30~1000	993.94	-50.08	≤ -26	0.00982	≤ 2.5	PASS
NTNV	BLE 2M	2478	1000~2387	1989.62	-49.28	≤ -26	0.01180	≤ 2.5	PASS
NTNV	BLE 2M	2478	2387~2400	2395.30	-38.55	≤ -16	0.13964	≤ 25	PASS
NTNV	BLE 2M	2478	2483.5~2496.5	2489.27	-33.39	≤ -16	0.45814	≤ 25	PASS
NTNV	BLE 2M	2478	2496.5~13000	6850.20	-37.14	≤ -26	0.19320	≤ 2.5	PASS

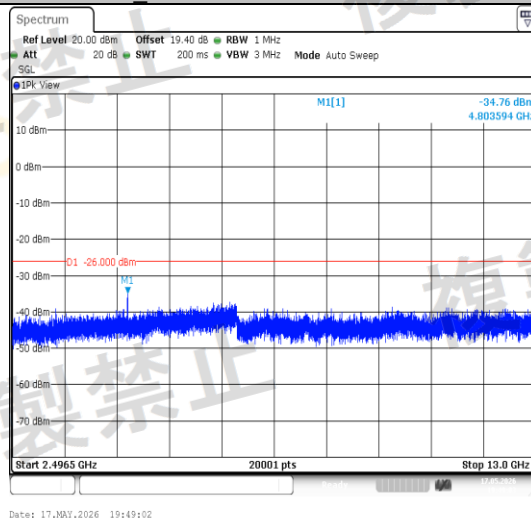
7.6. Test Graphs



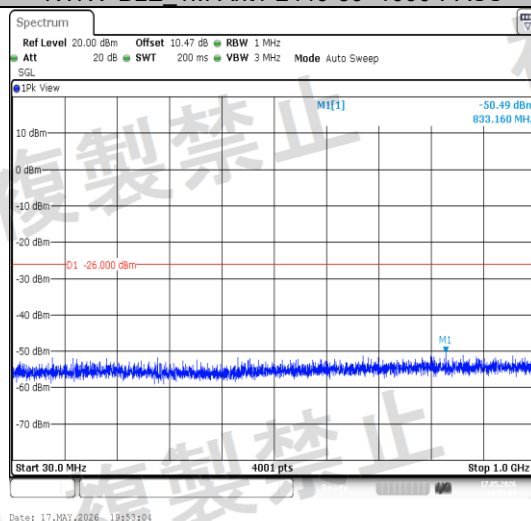
NTNV-BLE 1M-Ant1-2402-2483.5~2496.5-PASS



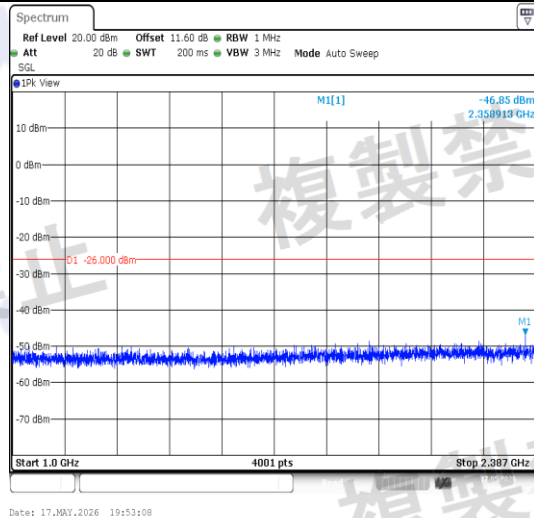
NTNV-BLE 1M-Ant1-2496.5~13000-PASS



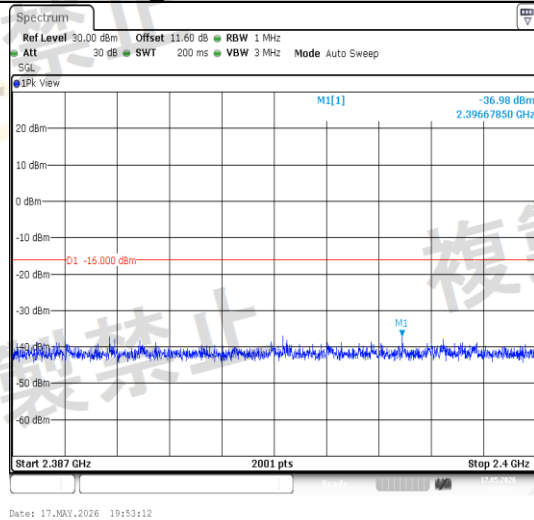
NTNV-BLE 1M-Ant1-2440-30~1000-PASS



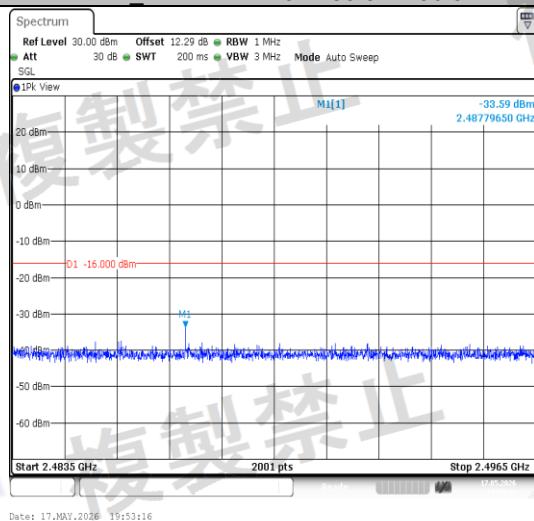
NTNV-BLE 1M-Ant1-2440-1000~2387-PASS



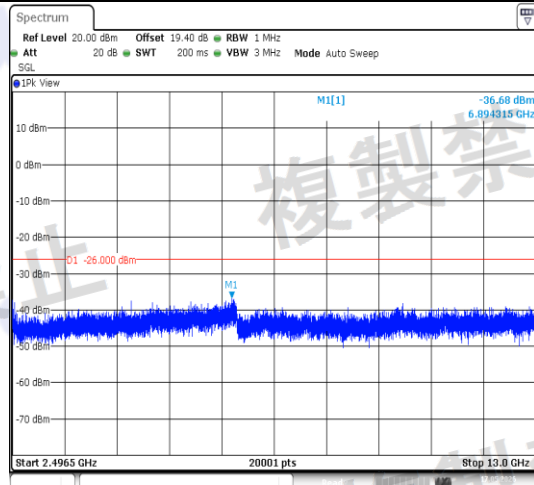
NTNV-BLE 1M-Ant1-2440-2387~2400-PASS



NTNV-BLE 1M-Ant1-2440-2483.5~2496.5-PASS

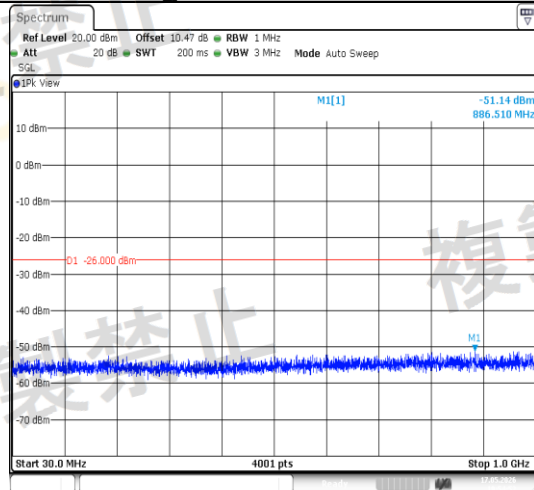


NTNV-BLE 1M-Ant1-2440-2496.5~13000-PASS



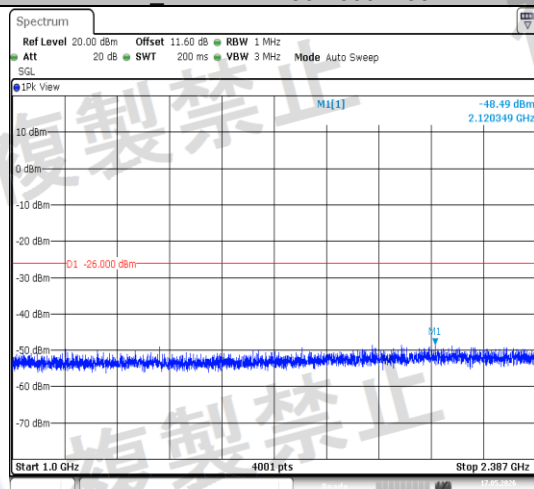
Date: 17.MAY.2026 19:53:22

NTNV-BLE 1M-Ant1-2480-30~1000-PASS



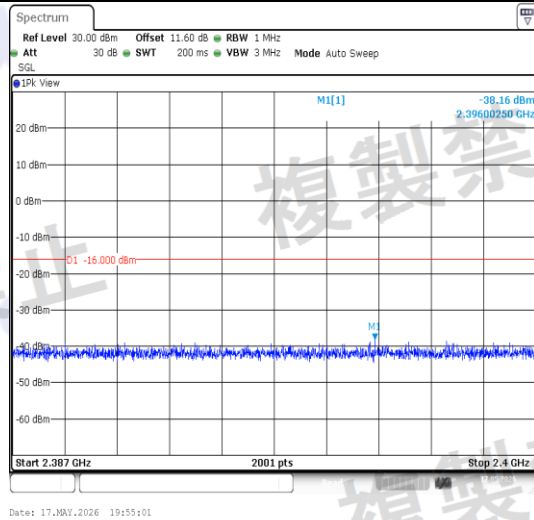
Date: 17.MAY.2026 19:54:53

NTNV-BLE 1M-Ant1-2480-1000~2387-PASS

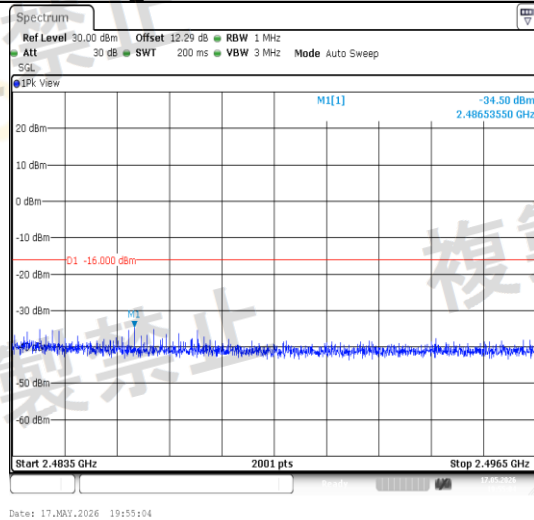


Date: 17.MAY.2026 19:54:57

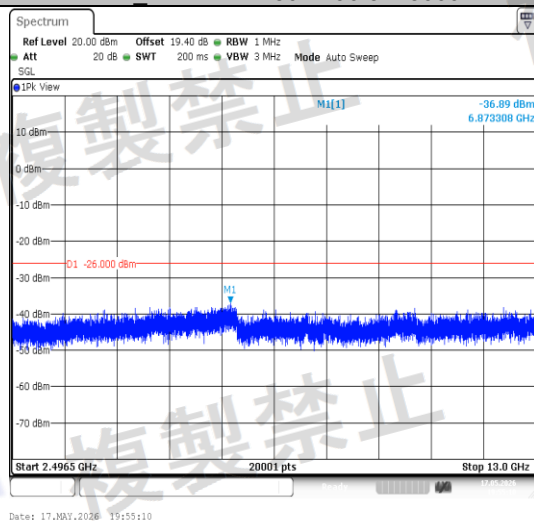
NTNV-BLE 1M-Ant1-2480-2387~2400-PASS



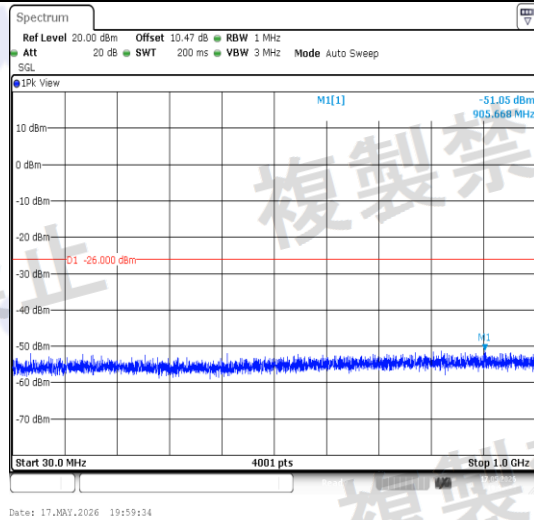
NTNV-BLE 1M-Ant1-2480-2483.5~2496.5-PASS



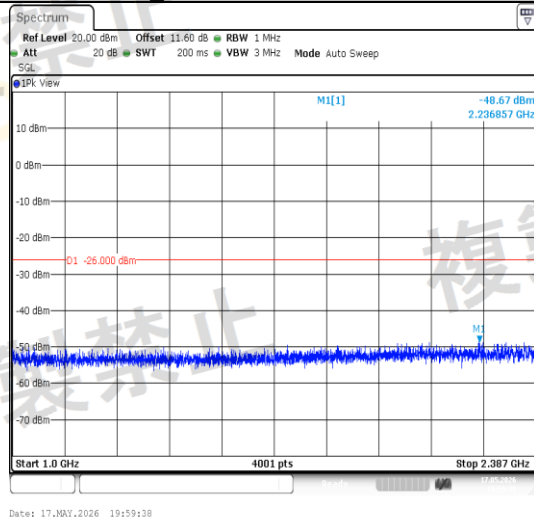
NTNV-BLE 1M-Ant1-2480-2496.5~13000-PASS



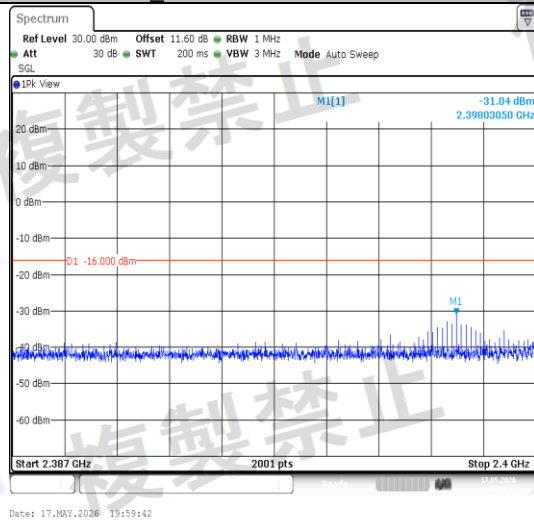
NTNV-BLE 2M-Ant1-2404-30~1000-PASS



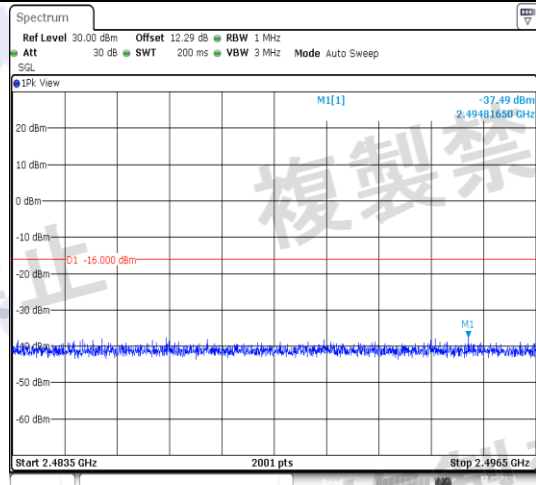
NTNV-BLE 2M-Ant1-2404-1000~2387-PASS



NTNV-BLE 2M-Ant1-2404-2387~2400-PASS

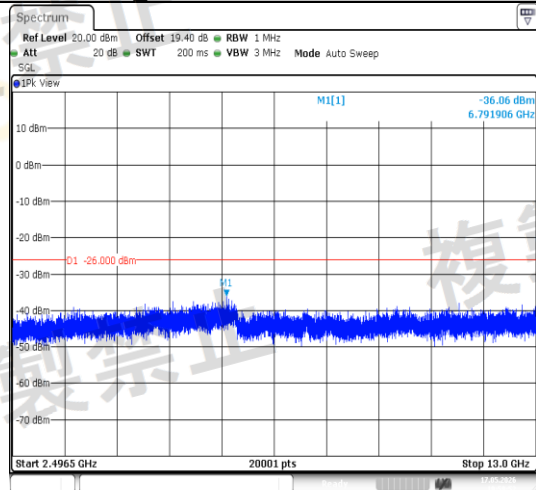


NTNV-BLE 2M-Ant1-2404-2483.5~2496.5-PASS



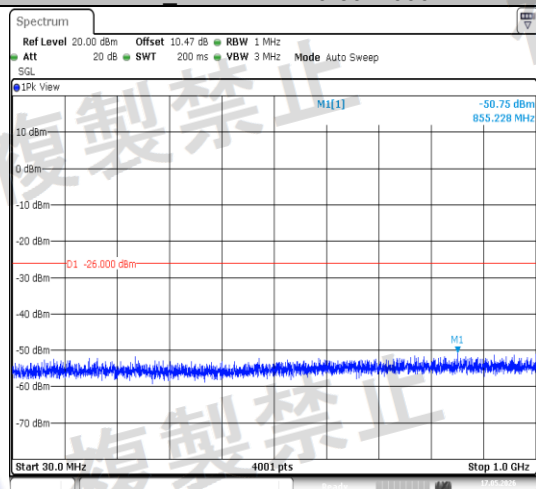
Date: 17.MAY.2026 19:59:46

NTNV-BLE 2M-Ant1-2496.5~13000-PASS



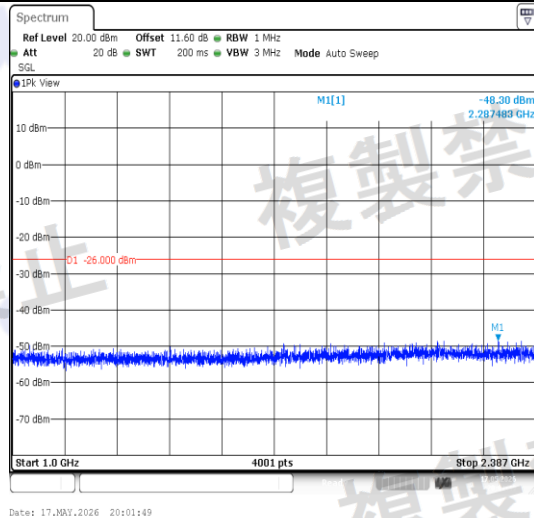
Date: 17.MAY.2026 19:59:52

NTNV-BLE 2M-Ant1-2440-30~1000-PASS

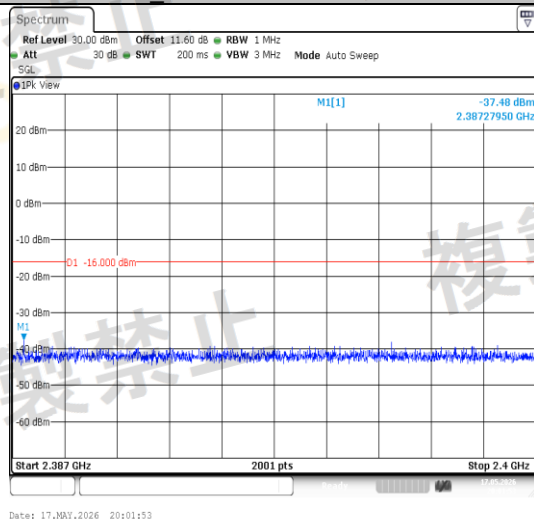


Date: 17.MAY.2026 20:01:45

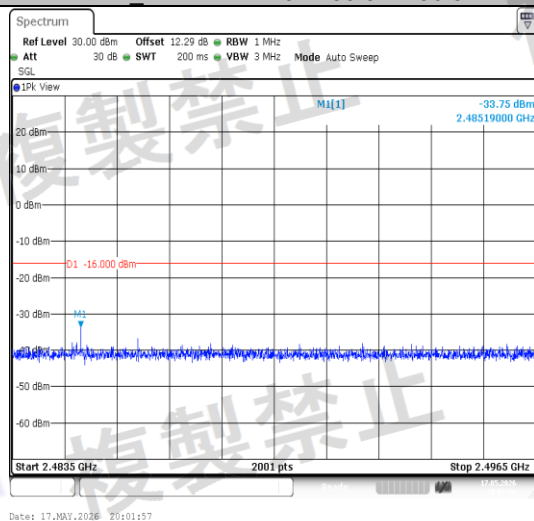
NTNV-BLE 2M-Ant1-2440-1000~2387-PASS



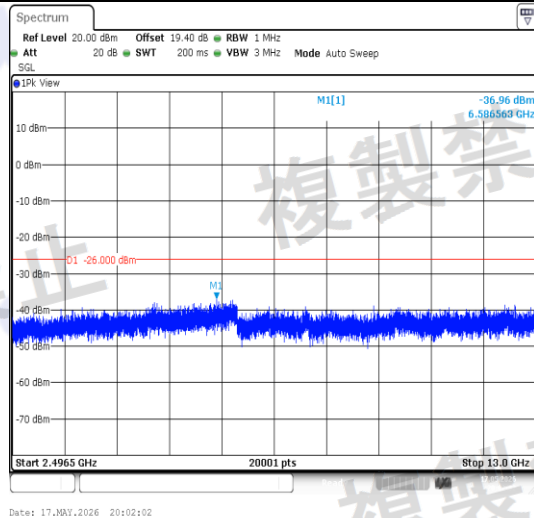
NTNV-BLE 2M-Ant1-2440-2387~2400-PASS



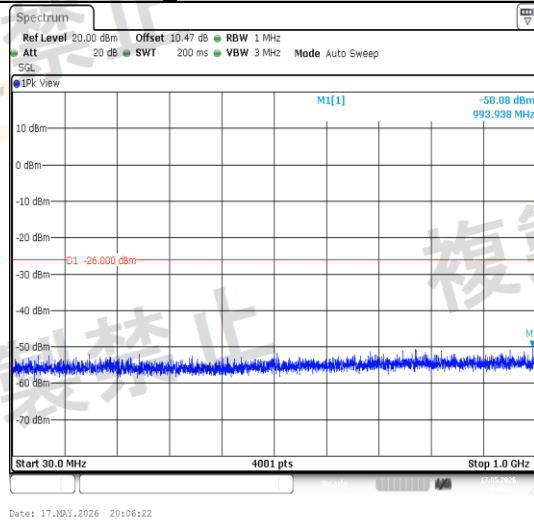
NTNV-BLE 2M-Ant1-2440-2483.5~2496.5-PASS



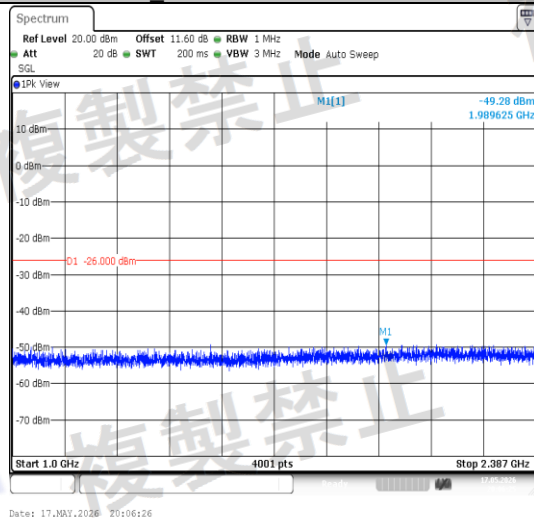
NTNV-BLE 2M-Ant1-2440-2496.5~13000-PASS



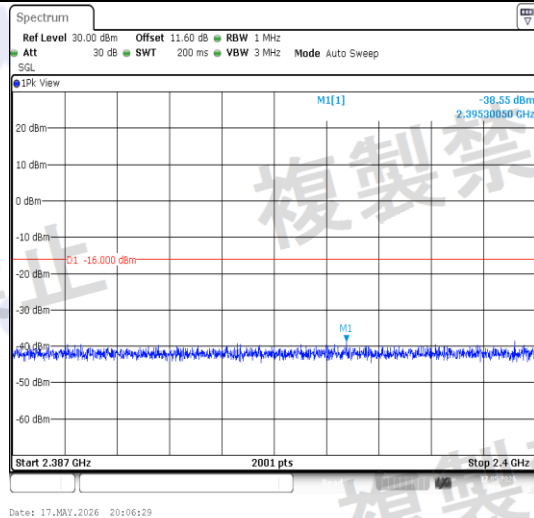
NTNV-BLE 2M-Ant1-2478-30~1000-PASS



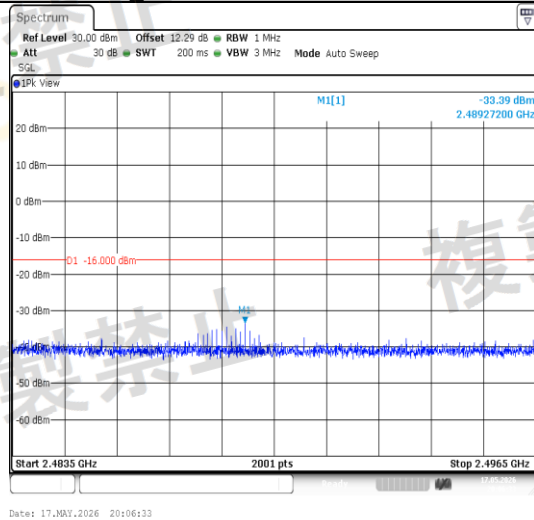
NTNV-BLE 2M-Ant1-2478-1000~2387-PASS



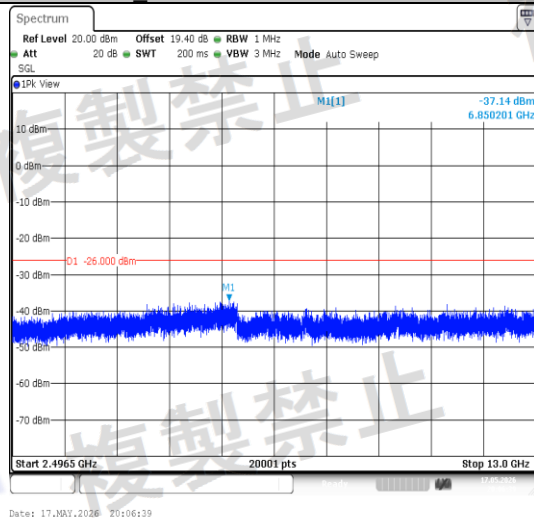
NTNV-BLE 2M-Ant1-2478-2387~2400-PASS



NTNV-BLE 2M-Ant1-2478-2483.5~2496.5-PASS



NTNV-BLE 2M-Ant1-2478-2496.5~13000-PASS



8. Secondary Radiated Emissions

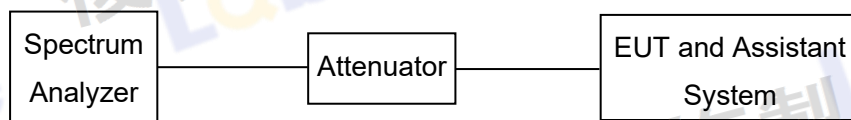
8.1. General Information

Test date	May. 17, 2026	Test engineer	Luke Li	
Climate condition	Ambient temperature	24.0℃	Relative humidity	64.3%
	Atmospheric pressure	101.5kPa		
Test place	EMC Room 1#			

8.2. Limit

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4 nW (-54dBm) or less at a frequency below 1 GHz and 20 nW (-47dBm) or less at a frequency of 1 GHz or higher as measured using the circuit.

8.3. Block diagram of test setup



8.4. Test Procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator.
- (2) Set the spectrum analyzer as below, search for the maximum amplitude of the secondary unwanted emissions.

Resolution BW: 100kHz for frequency below 1GHz and 1MHz for frequency above 1GHz.

Video BW: Same with Resolution BW

Detector: Peak

Trace Mode: Max. Hold

- (3) All the emissions from 30MHz to 12.5GHz were measured and record.

- (4) If the searched value is 1/10 or less of the allowable value specified in the Equipment Regulations, the searched value shall be the measured value.

- (5) If the searched value exceeds 1/10 of the allowable value specified in the equipment regulations, the frequency sweep width is gradually narrowed to about 10 times the resolution bandwidth in order to improve the setting accuracy of the center frequency of the spectrum analyzer. Then, measure the secondary emission frequency, set the spectrum analyzer as below, perform averaging, and measure the secondary emission power.

Centre Frequency: frequency of measured in (3).

Resolution BW: 1MHz

Video BW: 1 MHz

Span: 0Hz.

Detector: Sample.

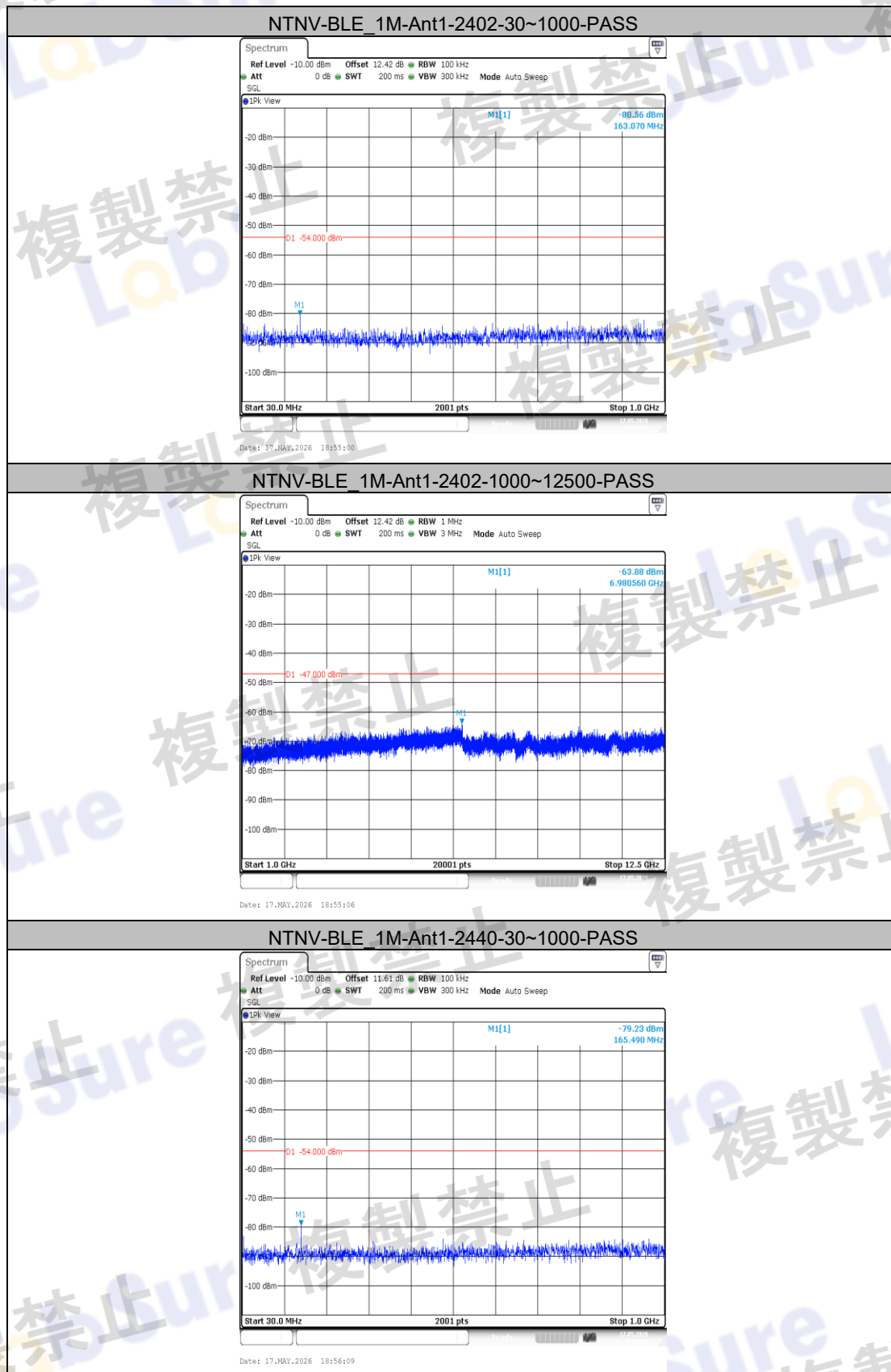
Sweep mode: Single

(6) If there are multiple antennas, it is measured at each antenna.

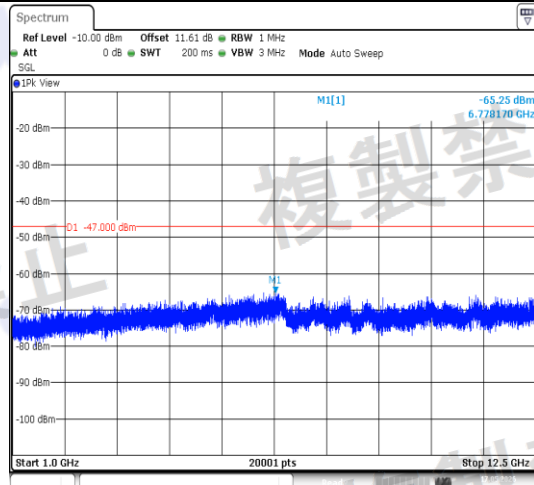
8.5. Test Result

Test Condition	Test Mode	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	2402	30~1000	163.07	-80.56	≤-54	0.00879	≤4	PASS
NTNV	BLE_1M	2402	1000~12500	6980.56	-63.88	≤-47	0.40926	≤20	PASS
NTNV	BLE_1M	2440	30~1000	165.49	-79.23	≤-54	0.01194	≤4	PASS
NTNV	BLE_1M	2440	1000~12500	6778.17	-65.25	≤-47	0.29854	≤20	PASS
NTNV	BLE_1M	2480	30~1000	167.91	-80.68	≤-54	0.00855	≤4	PASS
NTNV	BLE_1M	2480	1000~12500	6984.01	-64.50	≤-47	0.35481	≤20	PASS
NTNV	BLE_2M	2404	30~1000	675.45	-83.10	≤-54	0.00490	≤4	PASS
NTNV	BLE_2M	2404	1000~12500	6659.15	-63.76	≤-47	0.42073	≤20	PASS
NTNV	BLE_2M	2440	30~1000	165.49	-82.14	≤-54	0.00611	≤4	PASS
NTNV	BLE_2M	2440	1000~12500	6803.47	-63.79	≤-47	0.41783	≤20	PASS
NTNV	BLE_2M	2478	30~1000	167.91	-81.48	≤-54	0.00711	≤4	PASS
NTNV	BLE_2M	2478	1000~12500	6825.32	-64.91	≤-47	0.32285	≤20	PASS

8.6. Test Graphs

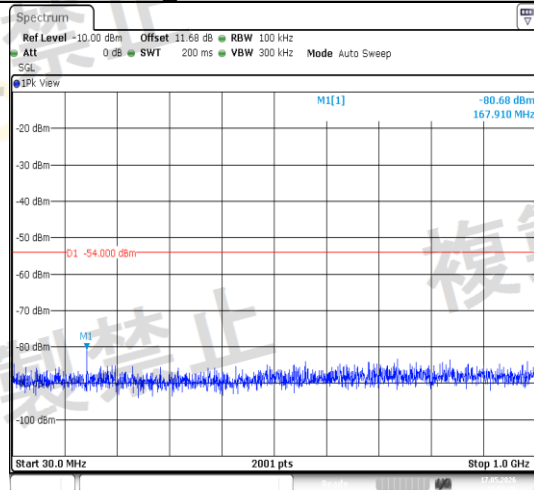


NTNV-BLE 1M-Ant1-2440-1000~12500-PASS



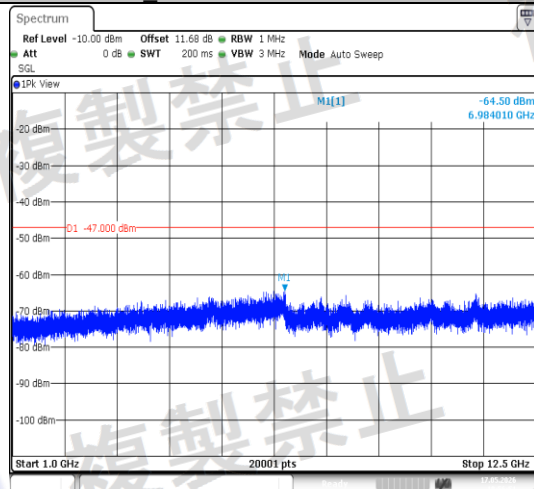
Date: 17.MAY.2026 18:56:15

NTNV-BLE 1M-Ant1-2480-30~1000-PASS



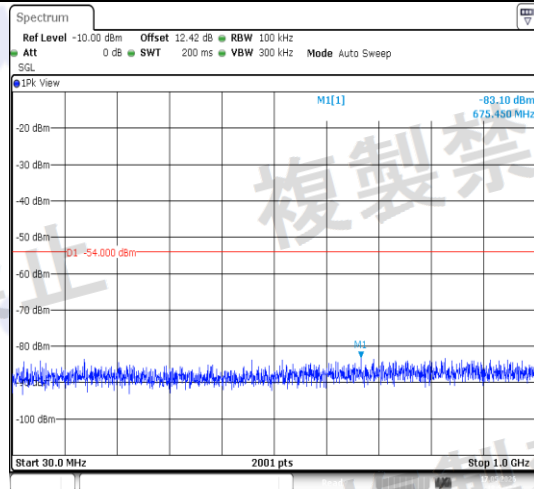
Date: 17.MAY.2026 18:56:46

NTNV-BLE 1M-Ant1-2480-1000~12500-PASS



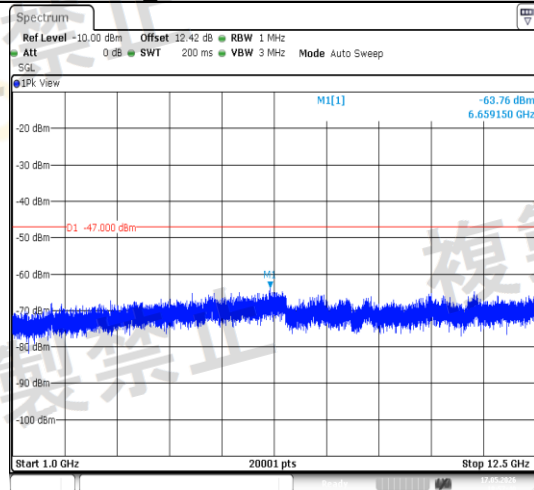
Date: 17.MAY.2026 18:56:52

NTNV-BLE 2M-Ant1-2404-30~1000-PASS



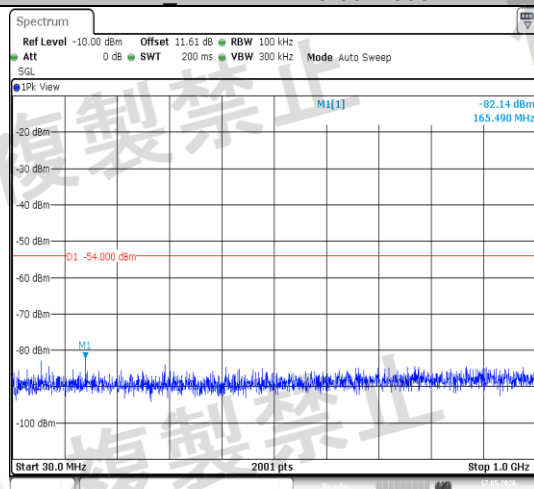
Date: 17.MAY.2026 18:57:35

NTNV-BLE 2M-Ant1-2404-1000~12500-PASS



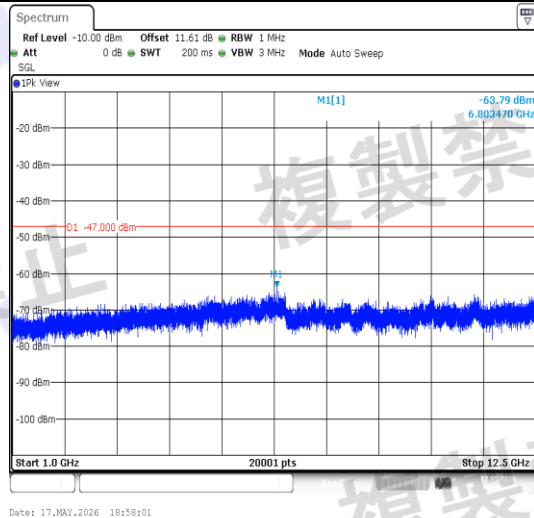
Date: 17.MAY.2026 18:57:40

NTNV-BLE 2M-Ant1-2440-30~1000-PASS

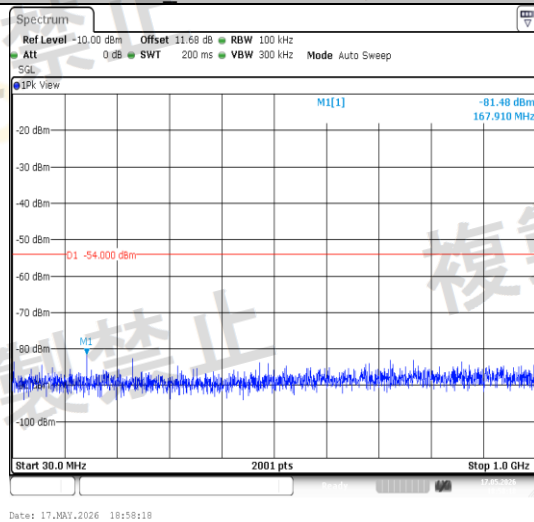


Date: 17.MAY.2026 18:57:55

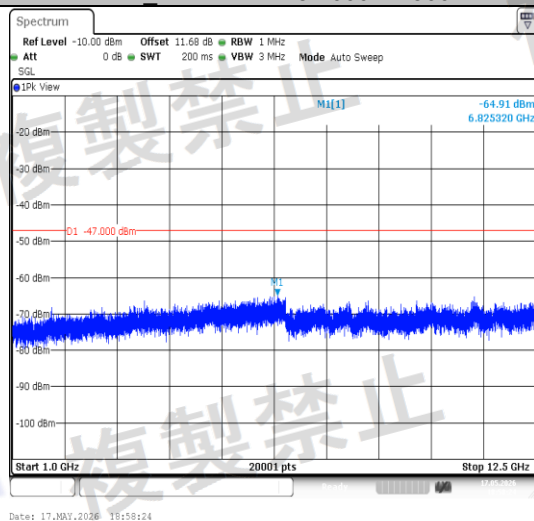
NTNV-BLE 2M-Ant1-2440-1000~12500-PASS



NTNV-BLE 2M-Ant1-2478-30~1000-PASS



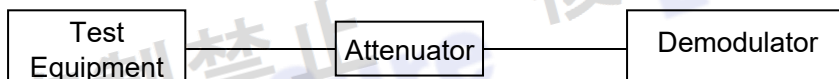
NTNV-BLE 2M-Ant1-2478-1000~12500-PASS



9. Interference prevention function

9.1. Measurement system diagram

1) When transmitting identification code



2) Condition of measuring instrument

Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.

3) Condition of test equipment the mode of normal use.

9.2. Measuring operation procedure

1) When test equipment has the function to transmit identification code automatically:

A) Transmit the predetermined identification code from test equipment.

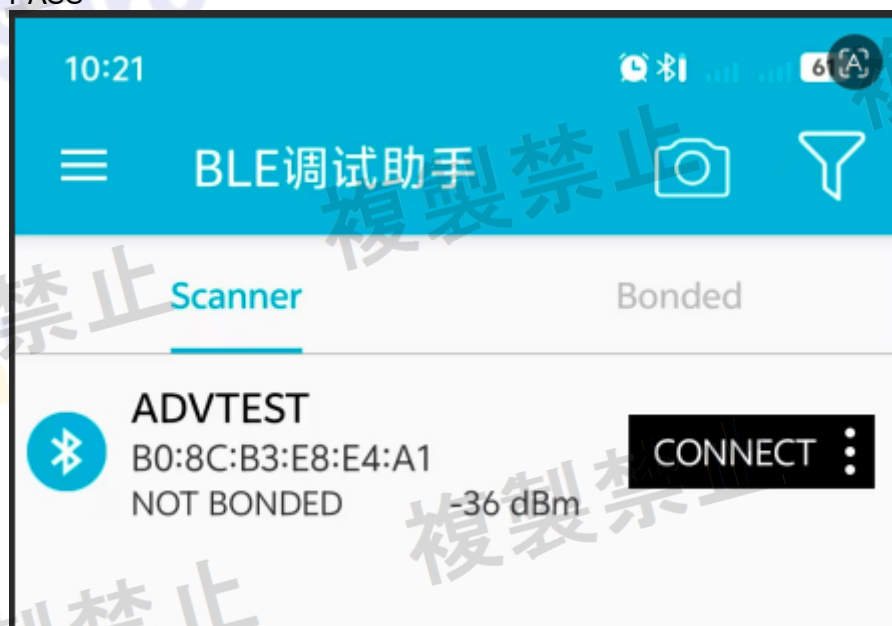
B) Confirm the transmitted identification code by demodulator.

MAC address: B0:8C:B3:E8:E4:A1

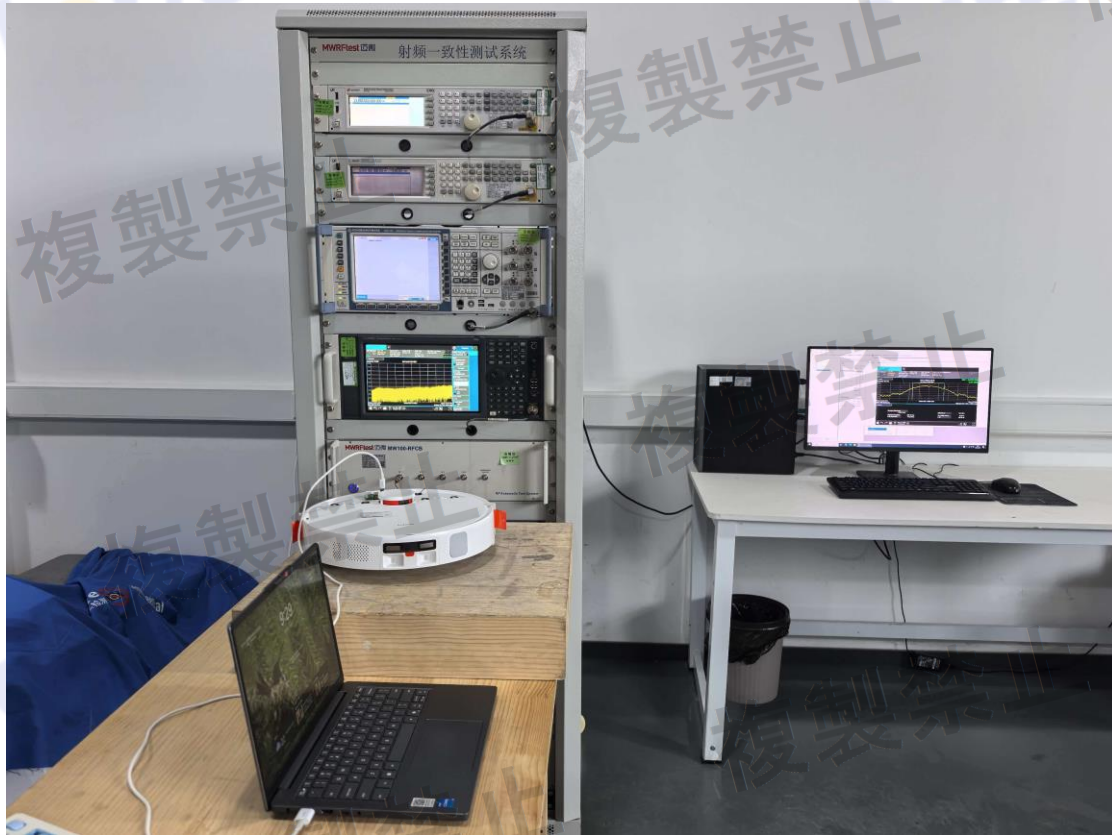
9.3. Test result: The unit does meet the requirements (Good).

Test result: The unit does meet the requirements.

PASS



10. Test setup photograph



11. Photos of the EUT

Please find the photos of EUT in APPENDIXES.

END OF REPORT