

Prüfbericht-Nr.: Test report no.:	CN2621ZE 001	Auftrags-Nr.: Order no.:	27226056	Seite 1 von 22 Page 1 of 22
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-03-26	
Auftraggeber: Client:	Yunjing Intelligence Innovation (Shenzhen) Co., Ltd. Room A2901, Yunzhongcheng, Building 1, Vanke Yuncheng VI, Dashi 2nd Road, Xili Community, Xili Street, Nanshan District, Shenzhen, Guangdong, China			
Prüfgegenstand: Test item:	Multifunctional Dock			
Bezeichnung / Typ-Nr.: Identification / Type no.:	YJCB041 (Trademark: NARWAL)			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	Article 2 Section 1 Item 19			
Wareneingangsdatum: Date of sample receipt:	2026-04-15			
Prüfmuster-Nr.: Test sample no.:	A004250651-001			
Prüfzeitraum: Testing period:	2026-05-09 - 2026-05-14			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:			genehmigt von: authorized by:	
Datum: Date:	2026-05-21	Ausstellungsdatum: Issue date:		2026-05-21
Signed by: Lin Lin		Signed by: Hardy Suo		
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet			
* Legend:	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested			
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Anmerkungen
Remarks

- | | |
|---|--|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p> |
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| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p> |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p> |

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix A: Test result of Bluetooth Low Energy.

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2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China

A2LA Certificate Number: 5162.01

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until	Calibration Body	Calibration Method*
Signal Analyzer	R&S	FSV 40	101441	2025-09-23	2026-09-22	GRGTEST	c
Power Meter	R&S	NRP2	107105	2025-10-30	2026-10-29	GRGTEST	c
Power Sensor	R&S	NRP-Z81	105677	2025-09-23	2026-09-22	GRGTEST	c
DC Power Supply	KIKUSUI	PAN35-5A	YM002997	2026-02-02	2027-02-01	GRGTEST	c
Digital Multi Meter	FLUKE	F15B	44350844WS	2026-02-02	2027-02-01	GRGTEST	c

Calibration Method:

- a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)
- b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
- c) Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)
- d) Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

2.3 Uncertainty of Measurement

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

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Occupied Bandwidth	$\pm 2.08 \%$
Spurious emissions	$\pm 3.68 \text{ dB}$
Output power density	$\pm 0.99 \text{ dB}$
Antenna Power	$\pm 0.99 \text{ dB}$
Frequency Tolerance	0.104 ppm

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3 General Product Information

3.1 Product Function and Intended Use

The product is Multifunctional Dock which supports Bluetooth low energy wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT		Description
Kind of Equipment:		Multifunctional Dock
Type Designation:		YJCB041
Trademark:		NARWAL
Operating Voltage:		AC 100-127V, 50-60Hz
Operating Temperature Range:		+5 °C ~ +40 °C
Technical Specification of Bluetooth Low Energy		
Characteristic	Description	
Frequency Range:	2402 MHz to 2480 MHz	
Type of Modulation:	GFSK	
Channel Number:	40 channels	
Channel Separation:	2 MHz	
Data Rate:	1Mbps	
Antenna Type:	Integral Antenna	
Antenna Gain:	4.0 dBi (Provided by the Client)	
rated RF output power:	Please refer to Note 1	
Conducted RF output power:	Please refer to Note 1	
EIRP output power:	Please refer to Note 1	

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Note 1: The power table as below table:

Bluetooth LE			
Test mode	Rated power density (mW)	Conducted power density (mW)	EIRP power density (mW)
Bluetooth LE, 1Mbps	10	4.5394	11.402

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Table 4: RF Channel and Frequency of Bluetooth LE

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz

3.3 Antenna Specifications

3.3.1 Antenna Gain

Ant. Type	Connector Type	Highest Peak Gain (dBi) 2.4GHz ~ 2.5GHz
Integral Antenna	N/A	4.0 dBi

3.3.2 Antenna Pattern

Please refer to the attached file (Antenna report).

3.4 Noise Generating and Noise Suppressing Parts

For details refer to the Circuit Diagram.

3.5 Submitted Documents

- Application Form
- User Manual
- Operation Description
- Rating Label

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and chapter 6.

According to clause 3.1, all tests were performed on model YJCB041 in this report.

The RF circuits are located inside of the EUT. The RF circuit was covered by metal shielding case, also it won't be easy to be opened. Frequency Band, channels and modulation parameters are fixed inside the module. They cannot be edited or modified by end-user.

Table 5: Test Conditions

Test conditions	Unit
Voltage _{normal}	100V ac
Voltage _{max}	110V ac
Voltage _{min}	90V ac
Temperature	23 deg.C
Humidity	51 %

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

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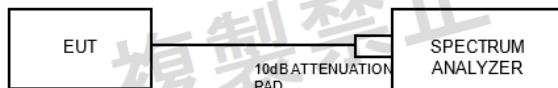
5 Test Results

5.1 Frequency Tolerance Measurement

5.1.1 Limits of Frequency Tolerance Measurement

Tolerance of frequency shall be +/- 50ppm

5.1.2 Test Setup



5.1.3 Condition of Measuring Instrument

- (1) As a frequency meter, use a frequency counter or spectrum analyzer (with a synthesizer type local oscillator).
- (2) The measurement accuracy of the frequency meter shall be 1/10 or less of the allowable value specified in the Equipment Regulations.
- (3) When measuring burst waves, set the gate open time to the time that allows the entire burst section to be measured.

5.1.4 Condition of Test Equipment

- (1) Set the test frequency and transmit.
- (2) Stop modulation and continuously transmit non-modulated waves. However, if modulation is stopped and continuous transmission of unmodulated waves cannot be performed, continuous burst transmission of unmodulated waves or a modulation state that produces a characteristic frequency spectrum whose frequency can be measured by a spectrum analyzer is used.

5.1.5 Measurement procedure

- (1) In the case of unmodulated waves (continuous or continuous burst), measure directly with a frequency meter.
- (2) In the case of burst waves, measure for the time period when sufficient accuracy is obtained, calculate the average value, and use it as the measured value.
- (3) If the test mode produces a characteristic frequency spectrum, measure the frequency of that spectrum with a spectrum analyzer.

5.1.6 Test Results

Result **PASS**

For the measurement records, refer to the appendix A.

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5.2 Occupied Bandwidth Measurement (99% Power Bandwidth)

5.2.1 Limits of Occupied Bandwidth Measurement

Item	Limit	Remark
Occupied bandwidth	shall be 83.5MHz or less	FHSS
Occupied bandwidth	<26MHz	For 20M
Occupied bandwidth	<40MHz	For 40M

5.2.2 Test Setup



5.2.3 Measuring Instrument Conditions

Set the spectrum analyzer as follows.

Center frequency: Test frequency

Sweep frequency width From about 2 times to about 3.5 times the allowable value specified in the equipment regulations

Resolution bandwidth: 3% or less of the allowable value specified in the equipment regulations

Video bandwidth: Same as resolution bandwidth

Input level : The level at which the carrier wave level can be measured without being affected by the noise level of the spectrum analyzer.

Sweep time: Minimum time for guaranteed measurement accuracy

(In the case of burst waves, when more than 1 burst per sample)

Sweep mode: Continuous sweep

Detection mode: Positive peak (Note)

Display mode: Max hold (Note)

Note: For OFDM and other than burst waves, the following shall apply.

Average processing times 10 times or more

Detection mode sample

5.2.4 Test Results

Result **PASS**

For the measurement records, refer to the appendix A.

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5.3 Spreading Bandwidth Measurement (90% Power Bandwidth)

5.3.1 Limits of Spreading Bandwidth and Spreading Factor

Item	Limit	Remark
Spreading Bandwidth	$\geq 500\text{kHz}$	(For DSSS, FHSS)
Spreading Factor	≥ 5	Operating frequency 2400 to 2483MHz
	≥ 10	Operating frequency 2471 to 2497MHz

5.3.2 Test Setup



5.3.3 Measuring Instrument Conditions

Set the spectrum analyzer as follows.

Center frequency: Test frequency

Sweep frequency width: From about 2 times to about 3.5 times the allowable value specified in the equipment regulations

Resolution bandwidth: 3% or less of the allowable value specified in the equipment regulations

Video bandwidth: Same as resolution bandwidth

Input level: The level at which the carrier wave level can be measured without being affected by the noise level of the spectrum analyzer.

Sweep time: Minimum time for guaranteed measurement accuracy
(In the case of burst waves, when more than 1 burst per sample)

Sweep mode: Continuous sweep

Detection mode: Positive peak (Note)

Display mode: Max hold (Note)

Note: For OFDM and other than burst waves, the following shall apply.

Average processing times 10 times or more

Detection mode sample

5.3.4 Test Results

Result **PASS**

For the measurement records, refer to the appendix A.

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5.4 Spurious Emissions for Transmitter Measurement

5.4.1 Limits of Spurious Emissions

Frequencies (MHz)	Limit
Operating frequency 2400 to 2483.5MHz	
30.0MHz to 2387MHz	$\leq 2.5\mu\text{W/MHz}$
2387.0MHz to 2400.0MHz	$\leq 25\mu\text{W/MHz}$
2483.5MHz to 2496.5MHz	$\leq 25\mu\text{W/MHz}$
2496.5MHz to 12500.0MHz	$\leq 2.5\mu\text{W/MHz}$

5.4.2 Test Setup



5.4.3 Conditions of The Measuring Instrument.

- (1) The spectrum analyzer when searching for **unwanted emissions** is set as follows.
 - Sweep frequency width: 30MHz to 26GHz (Note)
 - Resolution bandwidth: 1MHz
 - Video bandwidth: Same as resolution bandwidth
 - Y-axis scale: 10dB/Div
 - Input level: Maximum dynamic range value
 - Sweep time: The minimum time for which measurement accuracy is guaranteed (in the case of burst waves, it can be longer than the time obtained by "(sweep frequency width (MHz)/resolution Bandwidth (MHz)) × burst period (s)".) It can be longer than the time required
 - Number of data points: 400 or more data points
 - Sweep mode: Single sweep
 - Detection mode: positive peak
- (2) Set the spectrum analyzer as follows when measuring unwanted emission amplitude.
 - Center frequency: Unwanted emission frequency (searched frequency)
 - Sweep frequency width: 0Hz
 - Resolution bandwidth: 1MHz
 - Video bandwidth: Same as resolution bandwidth
 - Y-axis scale: 10dB/Div
 - Input level Maximum dynamic range value
 - Sweep time; The minimum time for which the measurement accuracy is guaranteed (in the case of burst waves, the duration of one burst or more)
 - Number of data points: 400 or more data points
 - Sweep mode: Single sweep
 - Detection mode: sample

5.4.4 Others

- (1) In 2(2), the detection mode of the spectrum analyzer at the time of amplitude measurement can use RMS (referred to as the true value of power) instead of sampling.
- (2) In (1), if the burst time rate (Note) of unwanted emission is obtained for each unwanted emission frequency, the sweep frequency width can be set to about 10 MHz in (2).

Note: Burst time rate = time during which radio waves are emitted/burst period

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5.4.5 Conditions of the measuring instrument

- (1) Use a carrier suppression filter as necessary.
 - (2) The settings of the spectrum analyzer when searching for spurious are as follows.
Sweep frequency width: Search for spurious from the lowest possible frequency to three times or more of the carrier frequency.
Resolution bandwidth: 100 kHz below 1 GHz, 1 MHz above 1 GHz
Video bandwidth: Same as resolution bandwidth
Y-axis scale: 10dB/Div
Input level: Maximum dynamic range value
Sweep time: Minimum time for guaranteed measurement accuracy
Number of data points: 400 or more data points
Sweep mode: Single sweep
Detection mode: positive peak
 - (3) Set the spectrum analyzer for spurious measurement as follows.
Center frequency: Searched spurious frequency
Sweep frequency: 0Hz
Resolution bandwidth: 10 kHz below 30 MHz, 100 kHz between 30 MHz and 1 GHz, 1 MHz above 1 GHz
Video bandwidth: Same as resolution bandwidth
Y-axis scale: 10dB/Div
Input level: Set the amplitude of the carrier wave near the maximum in the linear region of the mixer.
Sweep time: Minimum time for guaranteed measurement accuracy
Number of data points: 400 or more data points
Sweep mode: Single sweep
Detection mode: sample
- Spurious Emission
- (1) Set the spectrum analyzer as follows when searching.
Sweep frequency width: 30MHz to 5 times the carrier frequency
Resolution bandwidth: 100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth: Same as resolution bandwidth
Sweep time: Minimum time for guaranteed measurement accuracy
Sweep mode: Single sweep
Detection mode: positive peak
 - (2) Set the spectrum analyzer for secondary emission measurement as follows.
Center frequency: Secondary emission frequency
Sweep frequency width: 0Hz
Resolution bandwidth: 100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth: Same as resolution bandwidth
Sweep time: Minimum time for guaranteed measurement accuracy
Sweep mode: Single sweep
Detection mode: sample

5.4.6 Test Results

Result

PASS

For the measurement records, refer to the appendix A.

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5.5 Antenna Power Measurement

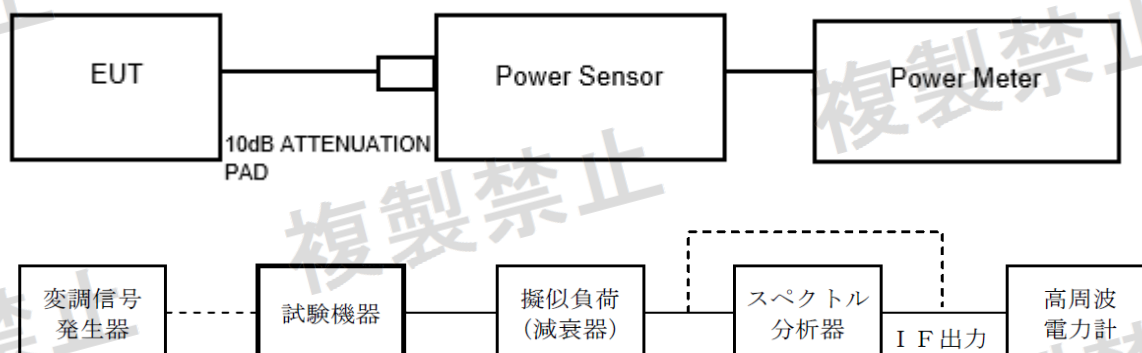
5.5.1 Limits of Antenna Power

Modulation system	Frequency band used	Antenna power (max.)	EIRP (max)	
			Omni-directional case	Directional case
FHSS	2,400 – 2,4835 MHz	3mW/MHz	--	--
DS.OFDM (Narrow-Band)	2,400 – 2,4835 MHz	10mW/MHz	12.14 dBm/MHz (16.367 mW/MHz)	22.14 dBm/MHz (163.682 mW/MHz)
OFDM (Wide-Band)	2,400 – 2,4835 MHz	5mW/MHz	9.13dBm/MHz (8.185mW/MHz)	19.13dBm/MHz (81.846mW/MHz)
DTS	2,400 – 2,4835 MHz	10mW	12.14 dBm 16.367 mW	22.14 dBm 163.682 mW

Tolerance of antenna power shall be +20% (upper value) and –80% (lower value).

According article 49.20 f(2) The angular width of the principal radiation in the horizontal and vertical planes of the transmitting antenna shall not exceed the value obtained by the following expression. $360/A$ degree
A represents the value determined by dividing an equivalent isotropically radiated power by the value obtained by applying an antenna power with the mean power of 10 mW to the transmitting antenna with its absolute gain being 2.14 dB, and shall be 1 when it is lower than 1.

5.5.2 Test Setup



Note: A high-frequency power meter is directly connected to the output of a dummy load (attenuator) when measuring the total power of a system other than the orthogonal frequency division multiplexing system or the spread spectrum system using direct spreading.

5.5.3 Condition of Measuring Instrument

- (1) Measure the equivalent noise bandwidth at the resolution bandwidth of 1 MHz of the spectrum analyzer, correct the bandwidth to the 1 MHz equivalent bandwidth, and read the displayed value. However, when the spread bandwidth is 1 MHz or less, correction shall be performed only when "spread bandwidth (MHz)/equivalent noise bandwidth (MHz)" exceeds 1.
- (2) The attenuation of the dummy load (attenuator) shall be the value that gives the optimum operating input level to the spectrum analyzer.
- (3) Set the spectrum analyzer as follows when searching for the frequency that gives the maximum antenna power.

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Center frequency:	Test frequency
Sweep frequency width:	About twice the occupied frequency bandwidth
Resolution bandwidth:	1MHz
Video bandwidth:	About three times the resolution bandwidth
Sweep time:	Minimum time for guaranteed measurement accuracy
(In the case of burst waves, the time at which one or more bursts are included per sample)	
Trigger condition:	Free run
Sweep mode:	Continuous sweep
Detection mode:	positive peak
Display mode:	Max hold

- (4) Set the spectrum analyzer as follows when measuring the antenna power.
- | | |
|------------------------|---|
| Center frequency | The frequency that gives the maximum power (searched frequency) |
| Sweep frequency width: | 0Hz |
| Resolution bandwidth: | 1MHz |
| Video bandwidth : | Same as resolution bandwidth |
| Sweep mode: | Continuous sweep |

5.5.4 Condition of Test Equipment

- (1) Set to the test frequency and enter the continuous transmission state or continuous burst transmission state.
- (2) If a spread code is used, set it to the test spread code and modulate it with the standard coded test signal.
- (3) If the orthogonal frequency division multiplexing system is used, it shall be in a burst transmission state and in a modulation state in which the proportion of time in which the number of subcarriers is the smallest is maximized. At this time, it is performed within a range that can occur continuously in the actual operation. However, when the modulation cannot be set, it can be performed in continuous burst transmission state or continuous transmission state.

5.5.5 Measurement Procedure

(1) Those using frequency hopping method (including DSSS or composite method with OFDM)

- a. Confirming in the submitted document that the frequency hopping intervals in the frequency distribution of frequency hopping are equal intervals of 1 MHz or less, and that the probability of occurrence at each hopping frequency is uniform, and that the probability of occurrence at each hopping frequency is uniform. If it is, it is implemented by the following method.
- (a) Connect a high frequency power meter to the output of the dummy load (attenuator) and measure the total power.
- (b) Divide the total power by the spreading bandwidth to calculate the average power per 1 MHz.
- (c) Antenna power shall be as follows.
- A Value of (b) for continuous wave
- B For burst wave Average power in burst is calculated from the value of (b) and the transmission time rate.
- b. If the frequency distribution of frequency hopping or the probability of occurrence at each hopping frequency is not uniform, set the spectrum analyzer as in 2(3) to search for the frequency that gives the maximum antenna power, and then perform spectrum analysis. Set the device as in 2(4), and measure the antenna power at the frequency that gives the maximum power.

(2) In the case of those using OFDM or DSSS

- a. Set the spectrum analyzer as in 2(3).
- b. After repeating the sweep until no change is observed in the display, measure the frequency at which the power per 1 MHz gives the maximum value.
- c. Set the spectrum analyzer as in 2(4).
- d. Connect the high frequency power meter to the IF output terminal of the spectrum analyzer.
- e. Antenna power shall be as follows.
- (a) For continuous wave: The value corrected by 2(1) from the indication of the high-frequency power meter
- (b) Burst wave: Calculated average power in a burst from values corrected in the same way as for continuous waves and the transmission time rate

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f. In the case of using the orthogonal frequency division multiplexing system, when there are multiple subcarrier modulation systems, measure the antenna power at each time and take the largest value as the measured value.

(3) In the case of items using other methods

(a) Connect a high-frequency power meter to the output of the dummy load (attenuator) and measure the total power.

(b) Antenna power shall be as follows.

a. Value of a for continuous wave

b. Burst wave The average power in the burst is calculated from the value of (a) and the transmission time rate.

5.5.6 Test Results

Result **PASS**

For the measurement records, refer to the appendix A.

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5.6 Spurious Emissions for Receiver

5.6.1 Limits of Spurious Emissions for Receiver

Frequencies (MHz)	Limit
Below 1GHz	$\leq 4\text{nW}$ (-54dBm)
Above 1GHz	$\leq 20\text{nW}$ (-47dBm)

5.6.2 Test Setup



5.6.3 Measurement Procedure

- (1) Set the spectrum analyzer as follows when searching.
Sweep frequency width: 30MHz to 5 times the carrier frequency
Resolution bandwidth: 100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth: Same as resolution bandwidth
Sweep time: Minimum time for guaranteed measurement accuracy
Sweep mode: Single sweep
Detection mode: positive peak
- (2) Set the spectrum analyzer for secondary emission measurement as follows.
Center frequency: Secondary emission frequency
Sweep frequency width: 0Hz
Resolution bandwidth: 100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth: Same as resolution bandwidth
Sweep time: Minimum time for guaranteed measurement accuracy
Sweep mode: Single sweep
Detection mode: sample

5.6.4 Test Results

Result **PASS**

For the measurement records, refer to the appendix A.

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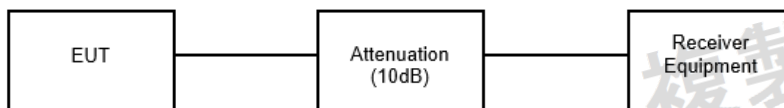
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5.7 Interference Prevention Function

5.7.1 Limits of Interference Prevention Function

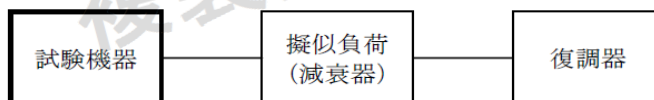
N/A

5.7.2 Test Setup

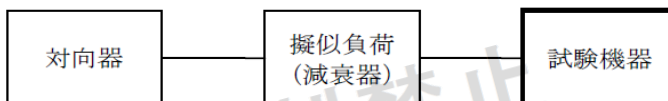


Measurement system diagram

(1) When sending an identification code



(2) When receiving an identification code



5.7.3 Condition of Measuring Instrument

- (1) The demodulator shall be able to demodulate the transmission signal sent by EUT and display the content of the identification code.
- (2) The counterpart device shall be capable of transmitting the same identification code as the transmission signal transmitted by EUT.
- (3) Condition of test equipment
Normal use condition.

5.7.4 Measurement procedure

- (1) When EUT has a function to automatically transmit an identification code
 - a) Transmit the identification code specified in the Equipment Regulations from the test equipment.
 - b) Check the identification code sent by the demodulator.
- (2) When the test equipment has a function to automatically receive the identification code
 - a) Transmit the identification code specified in the Equipment Regulations from the counterpart device.
 - b) Confirm that communication is performed with the EUT using the dedicated jig.
 - c) Transmit a code different from the identification code specified in the Equipment Regulations from the counterpart device.
 - d) Confirm that EUT stops transmission or displays that the identification code is different.

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5.7.5 How to describe test results

- (1) When EUT has a function to automatically transmit an identification code
If the code stipulated in the equipment rule and the demodulated code are the same, it is described as "passed", and if they are different, it is described as "failed".
- (2) When the test equipment has a function to automatically receive the identification code
If the received code is the code stipulated in the equipment regulations, normal reception is performed, and if the code is different from the code stipulated in the equipment regulations, a message indicating that the code is different is displayed. "No" shall be entered in other case.

5.7.6 Test Results

Link Mode	Test Result
Bluetooth LE	PASS

Note: EUT is a Bluetooth LE wireless device with a unique MAC address.

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6 Photographs of the Test Set-Up

Photograph 1: Set-up for Radio Spectrum Testing



EUT

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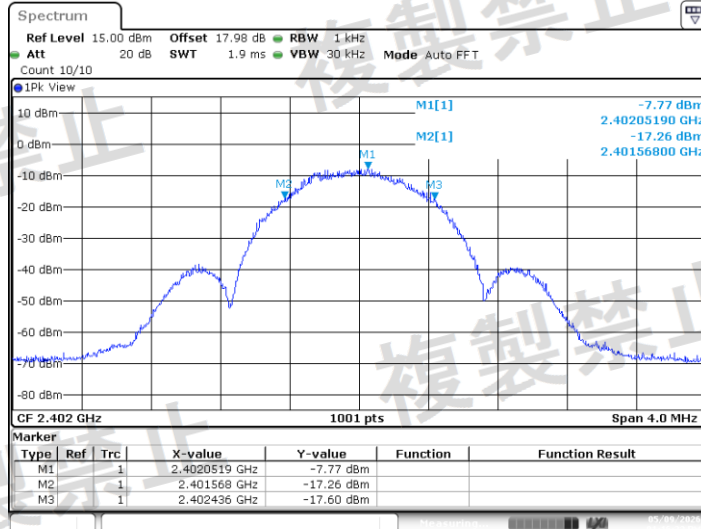
Appendix A.1: Test Results of Frequency Tolerance

Test Result

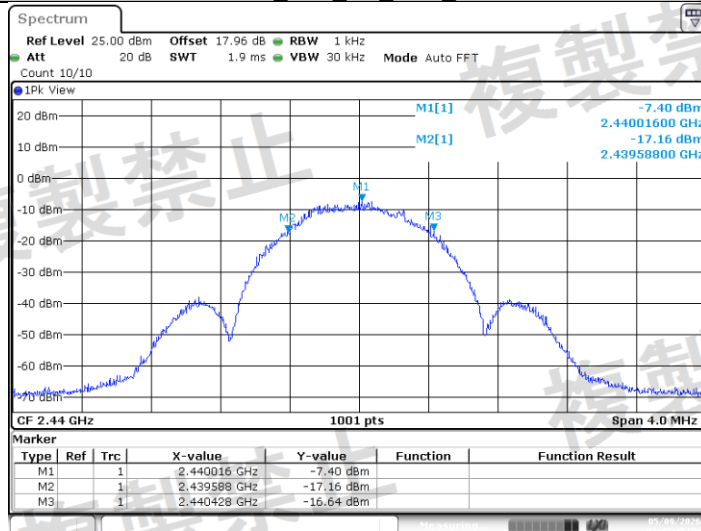
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	0.83264	±50	PASS
			2440	3.27869	±50	PASS
			2480	-0.80645	±50	PASS
NTLV	BLE_1M	Ant1	2402	-4.16320	±50	PASS
			2440	-3.27869	±50	PASS
			2480	1.61290	±50	PASS
NTHV	BLE_1M	Ant1	2402	-3.33056	±50	PASS
			2440	3.27869	±50	PASS
			2480	-4.83871	±50	PASS

Test Graphs

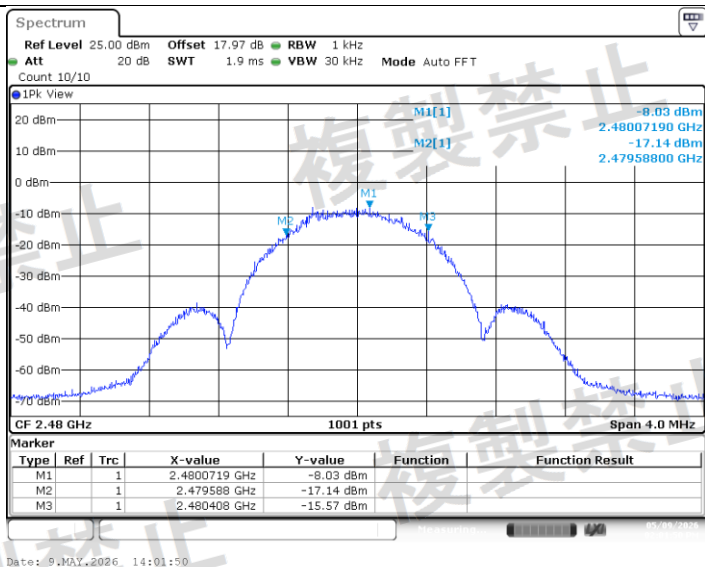
NTNV_BLE_1M_Ant1_2402



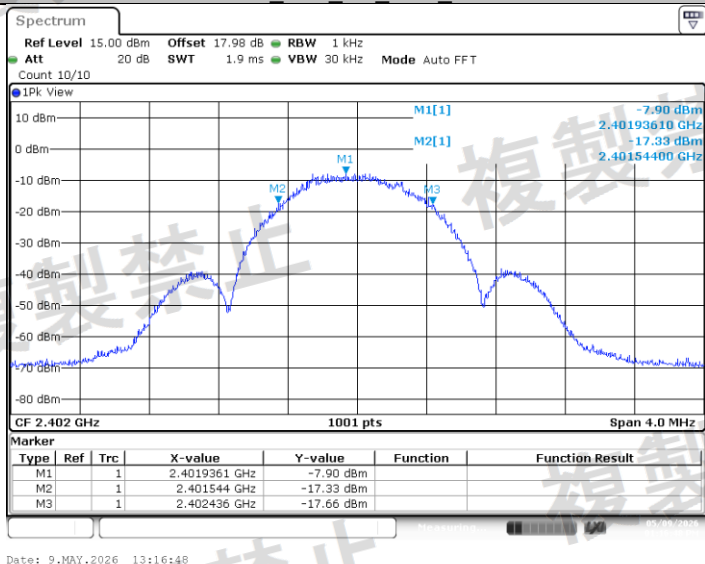
NTNV_BLE_1M_Ant1_2440



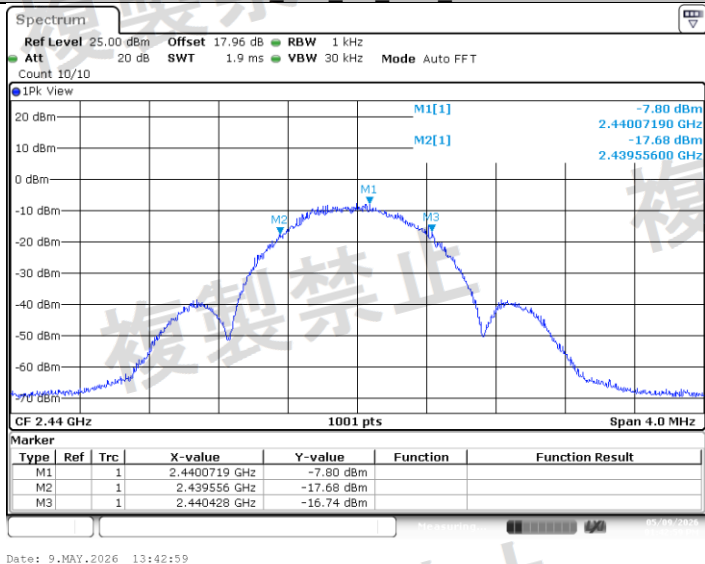
NTNV_BLE_1M_Ant1_2480



NTLV_BLE_1M_Ant1_2402



NTLV_BLE_1M_Ant1_2440



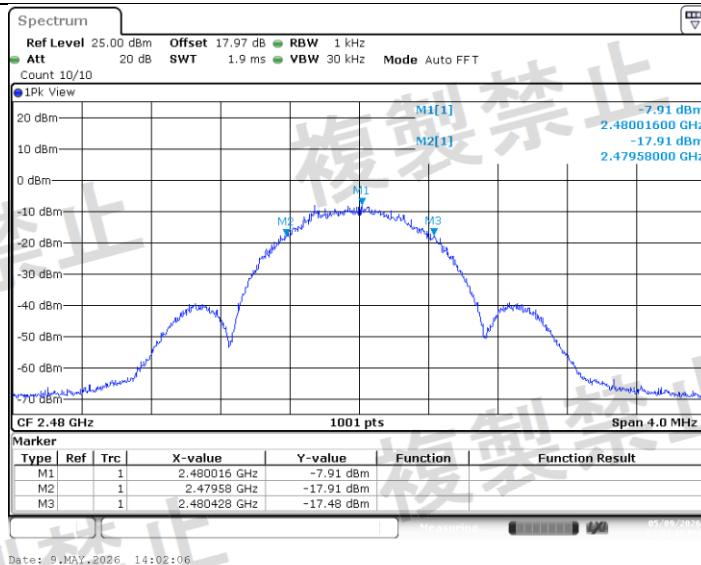
NTLV_BLE_1M_Ant1_2480

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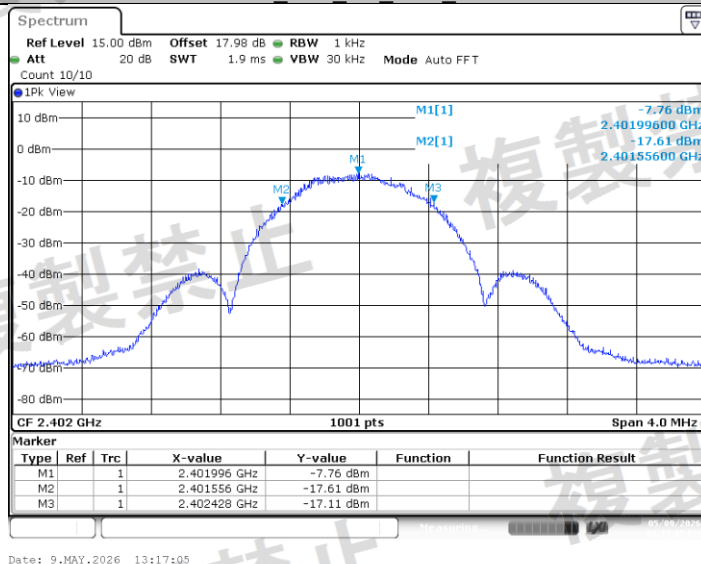


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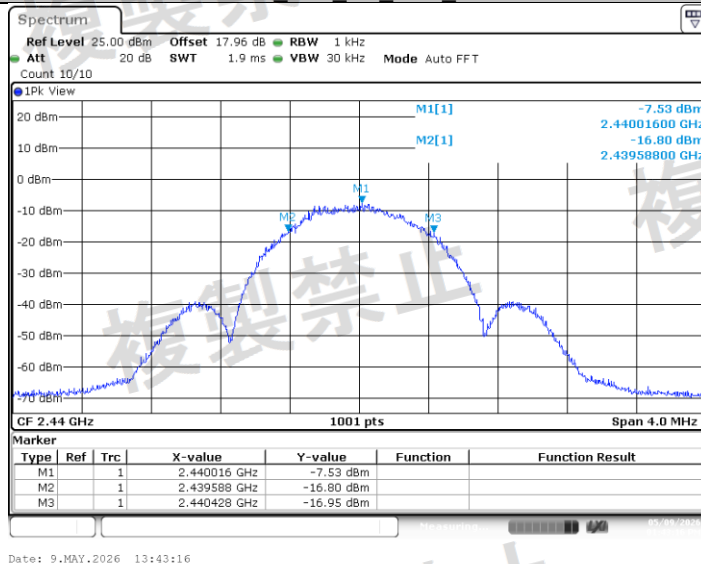
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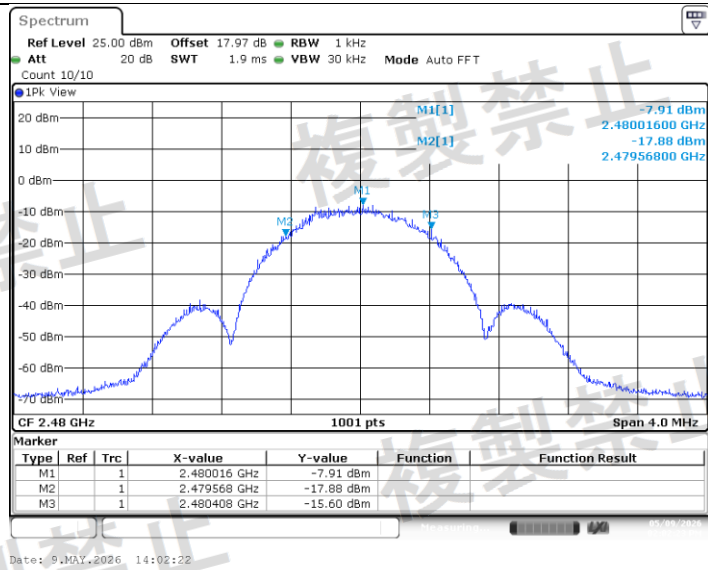
NTHV_BLE_1M_Ant1_2402



NTHV_BLE_1M_Ant1_2440



NTHV_BLE_1M_Ant1_2480



Appendix A.2: Test Results of Antenna Power

Test Result

Antenna Power							
TestCondition	TestMode	Antenna	Freq(MHz)	Result(dBm)	Result(mW)	Limit(mW)	Verdict
NTNV	BLE_1M	Ant1	2402	6.57	4.5394	≤10	PASS
			2440	6.34	4.3053	≤10	PASS
			2480	5.93	3.9174	≤10	PASS
NTLV	BLE_1M	Ant1	2402	6.57	4.5394	≤10	PASS
			2440	6.34	4.3053	≤10	PASS
			2480	5.92	3.9084	≤10	PASS
NTHV	BLE_1M	Ant1	2402	6.57	4.5394	≤10	PASS
			2440	6.34	4.3053	≤10	PASS
			2480	5.93	3.9174	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq(MHz)	Power (mW)	RatedPower (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_1M	Ant1	2402	4.5394	10	-54.61	-80 to +20	PASS
			2440	4.3053	10	-56.95	-80 to +20	PASS
			2480	3.9174	10	-60.83	-80 to +20	PASS
NTLV	BLE_1M	Ant1	2402	4.5394	10	-54.61	-80 to +20	PASS
			2440	4.3053	10	-56.95	-80 to +20	PASS
			2480	3.9084	10	-60.92	-80 to +20	PASS
NTHV	BLE_1M	Ant1	2402	4.5394	10	-54.61	-80 to +20	PASS
			2440	4.3053	10	-56.95	-80 to +20	PASS
			2480	3.9174	10	-60.83	-80 to +20	PASS

EIRP							
TestCondition	TestMode	Antenna	Freq(MHz)	Power (dBm)	EIRP(dBm)	Limit(dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	6.57	10.57	≤12.14	PASS
			2440	6.34	10.34	≤12.14	PASS
			2480	5.93	9.93	≤12.14	PASS
NTLV	BLE_1M	Ant1	2402	6.57	10.57	≤12.14	PASS
			2440	6.34	10.34	≤12.14	PASS
			2480	5.92	9.92	≤12.14	PASS
NTHV	BLE_1M	Ant1	2402	6.57	10.57	≤12.14	PASS
			2440	6.34	10.34	≤12.14	PASS
			2480	5.93	9.93	≤12.14	PASS

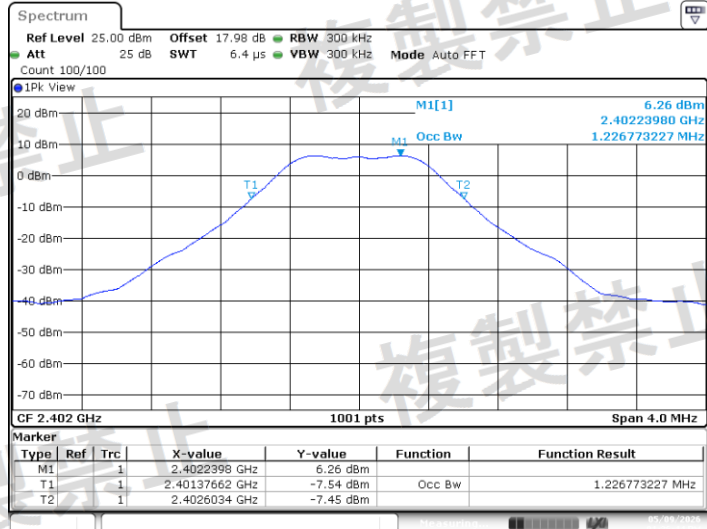
Appendix A.3: Test Results of Occupied Channel Bandwidth (99%)

Test Result

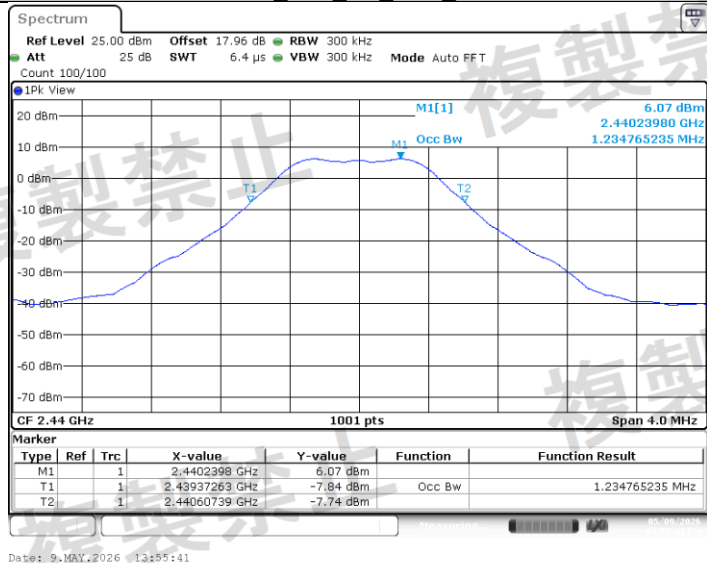
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.227	≤26	PASS
			2440	1.235	≤26	PASS
			2480	1.235	≤26	PASS
NTLV	BLE_1M	Ant1	2402	1.231	≤26	PASS
			2440	1.231	≤26	PASS
			2480	1.235	≤26	PASS
NTHV	BLE_1M	Ant1	2402	1.231	≤26	PASS
			2440	1.231	≤26	PASS
			2480	1.235	≤26	PASS

Test Graphs

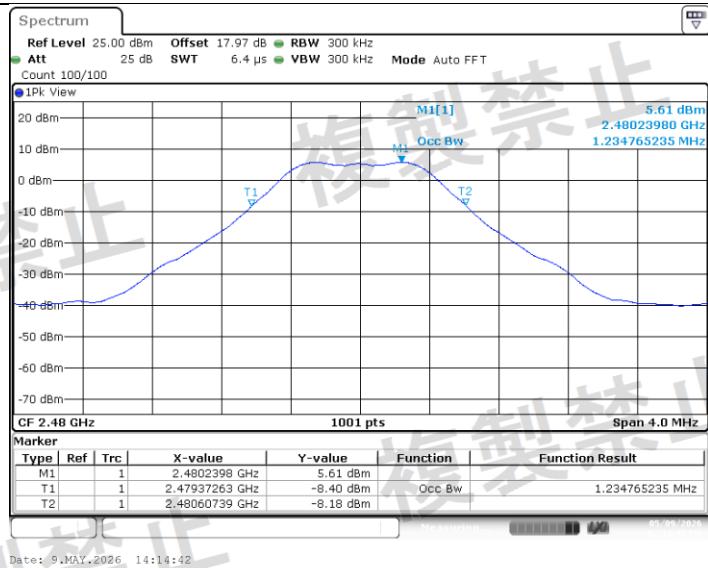
NTNV_BLE_1M_Ant1_2402



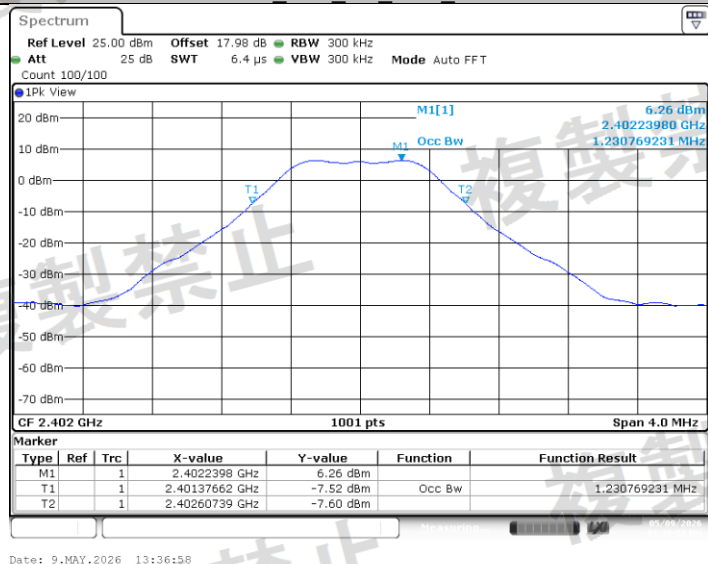
NTNV_BLE_1M_Ant1_2440



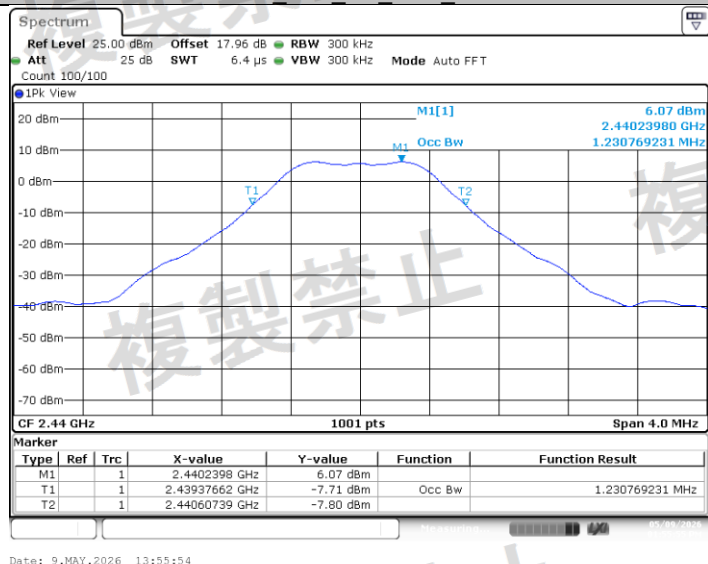
NTNV_BLE_1M_Ant1_2480



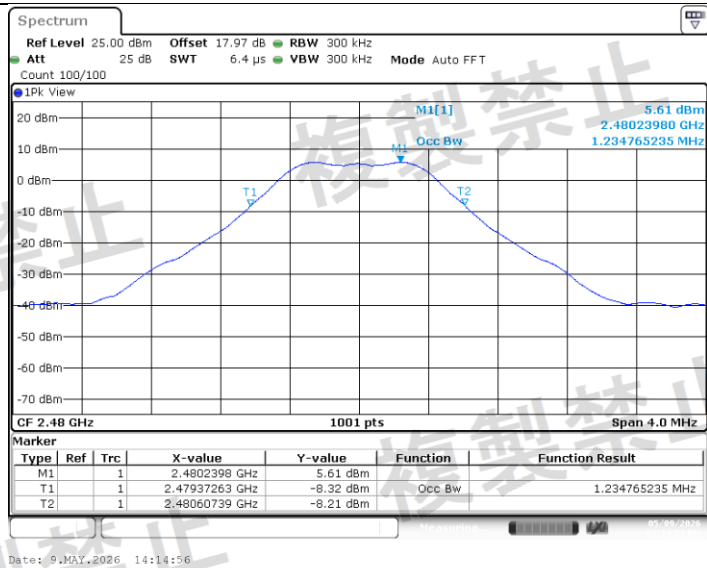
NTLV_BLE_1M_Ant1_2402



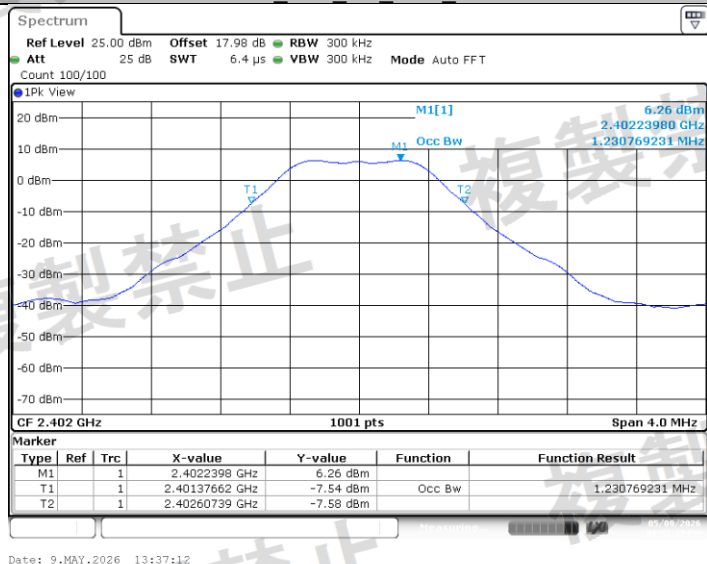
NTLV_BLE_1M_Ant1_2440



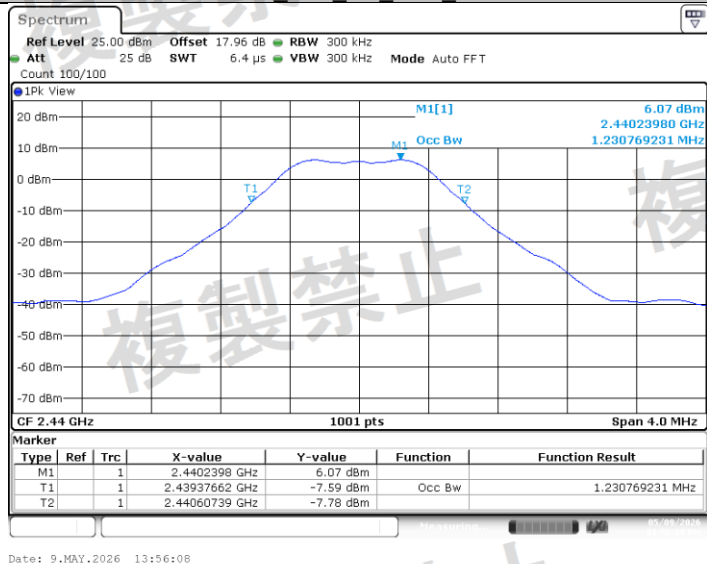
NTLV_BLE_1M_Ant1_2480



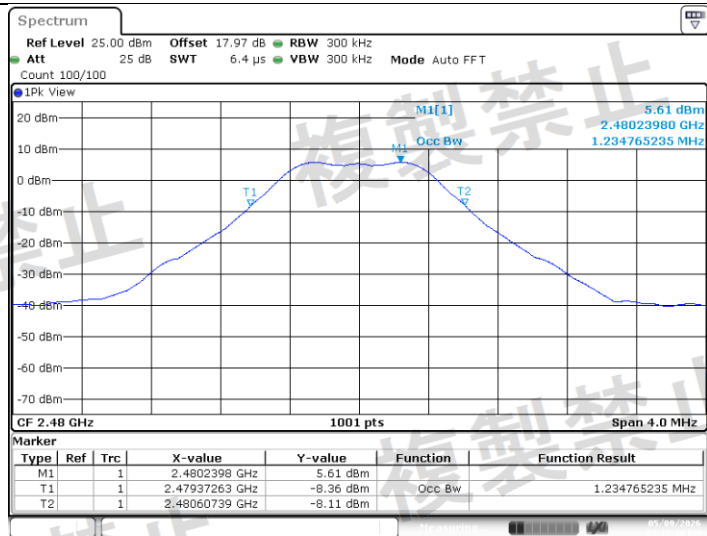
NTHV_BLE_1M_Ant1_2402



NTHV_BLE_1M_Ant1_2440



NTHV_BLE_1M_Ant1_2480

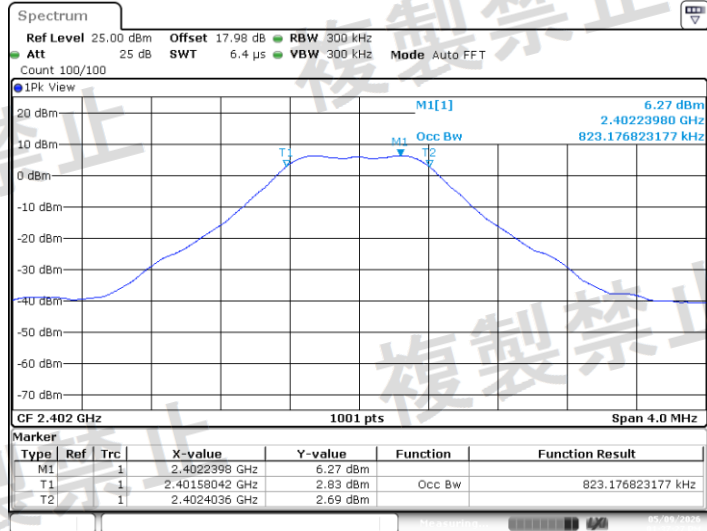


**Appendix A.4: Test Results of Spread Bandwidth (90%)***Test Result*

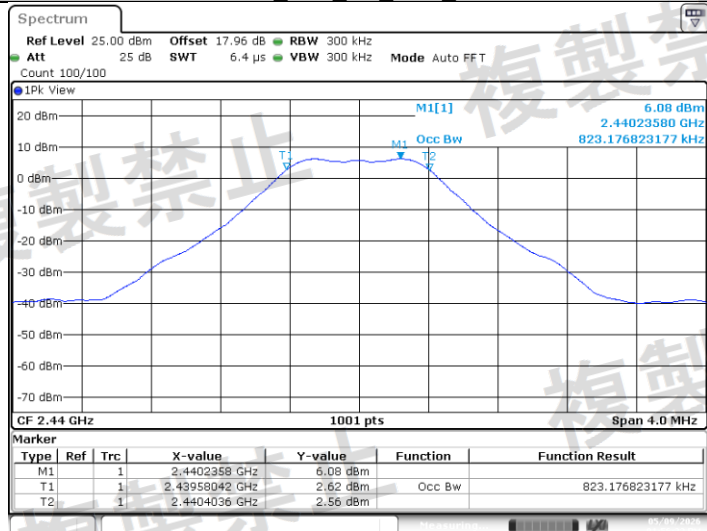
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.823	≥0.5	PASS
			2440	0.823	≥0.5	PASS
			2480	0.823	≥0.5	PASS
NTLV	BLE_1M	Ant1	2402	0.823	≥0.5	PASS
			2440	0.823	≥0.5	PASS
			2480	0.823	≥0.5	PASS
NTHV	BLE_1M	Ant1	2402	0.823	≥0.5	PASS
			2440	0.823	≥0.5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

Test Graphs

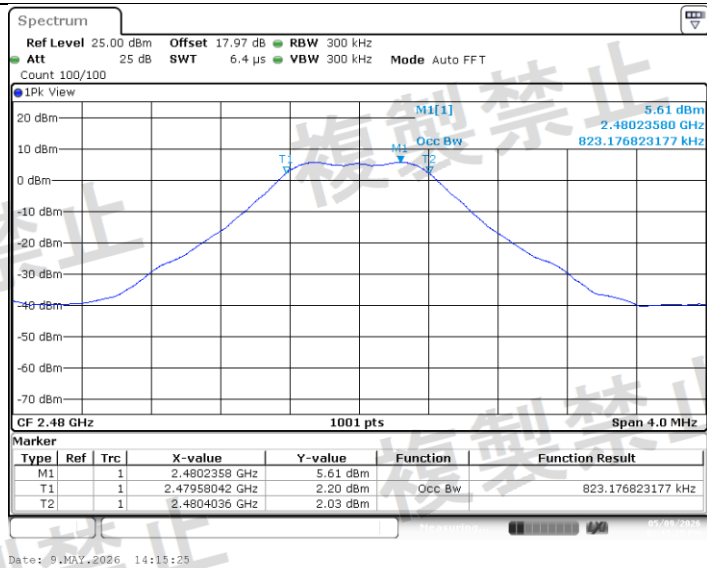
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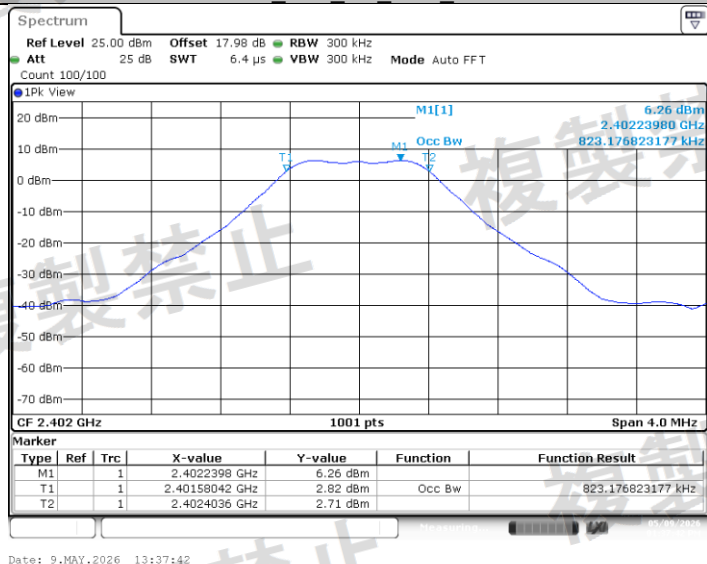
NTNV_BLE_1M_Ant1_2440



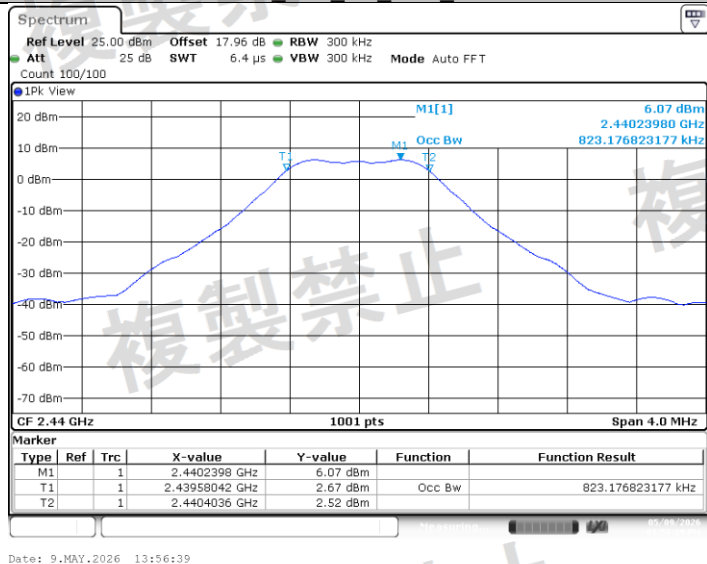
NTNV_BLE_1M_Ant1_2480



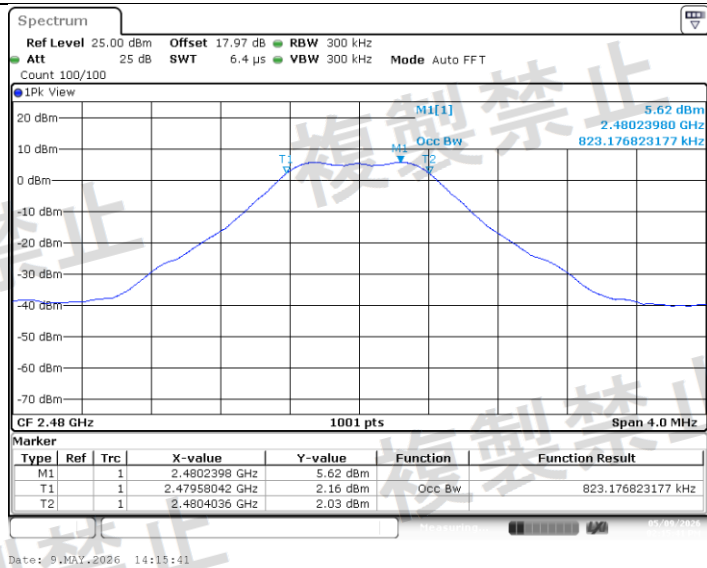
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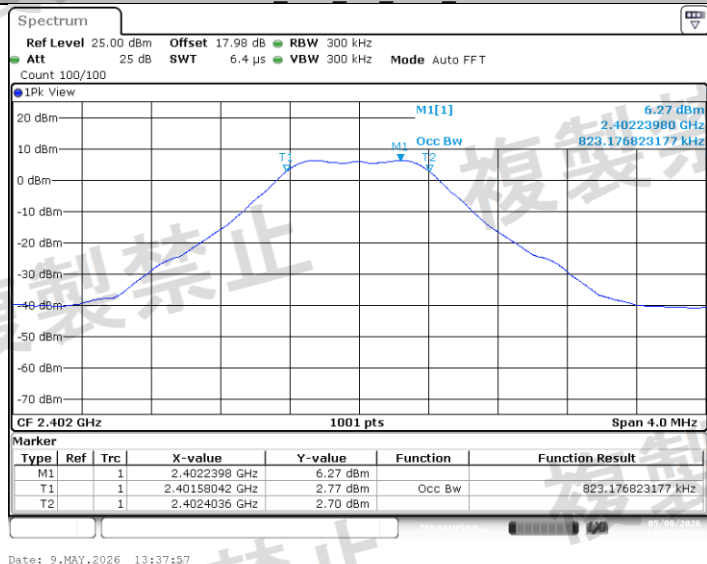
NTLV_BLE_1M_Ant1_2440



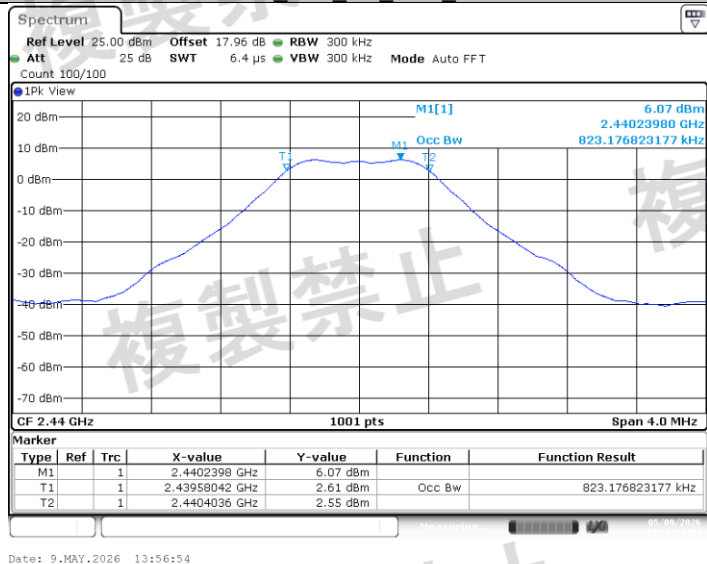
NTLV_BLE_1M_Ant1_2480



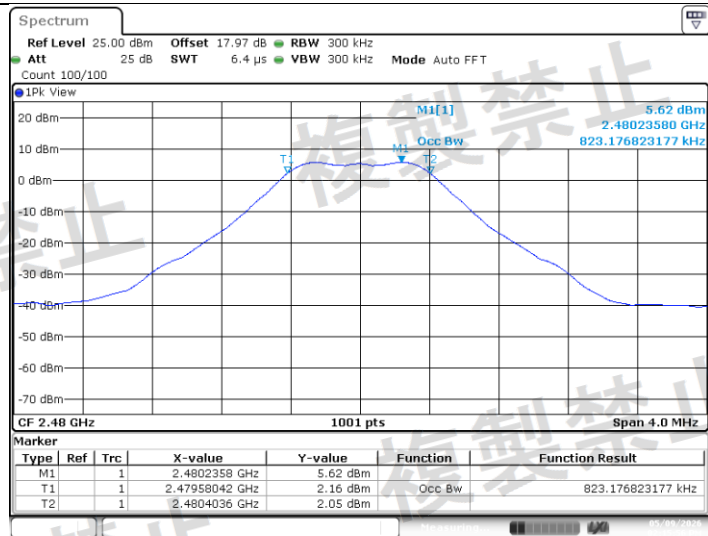
NTHV_BLE_1M_Ant1_2402



NTHV_BLE_1M_Ant1_2440



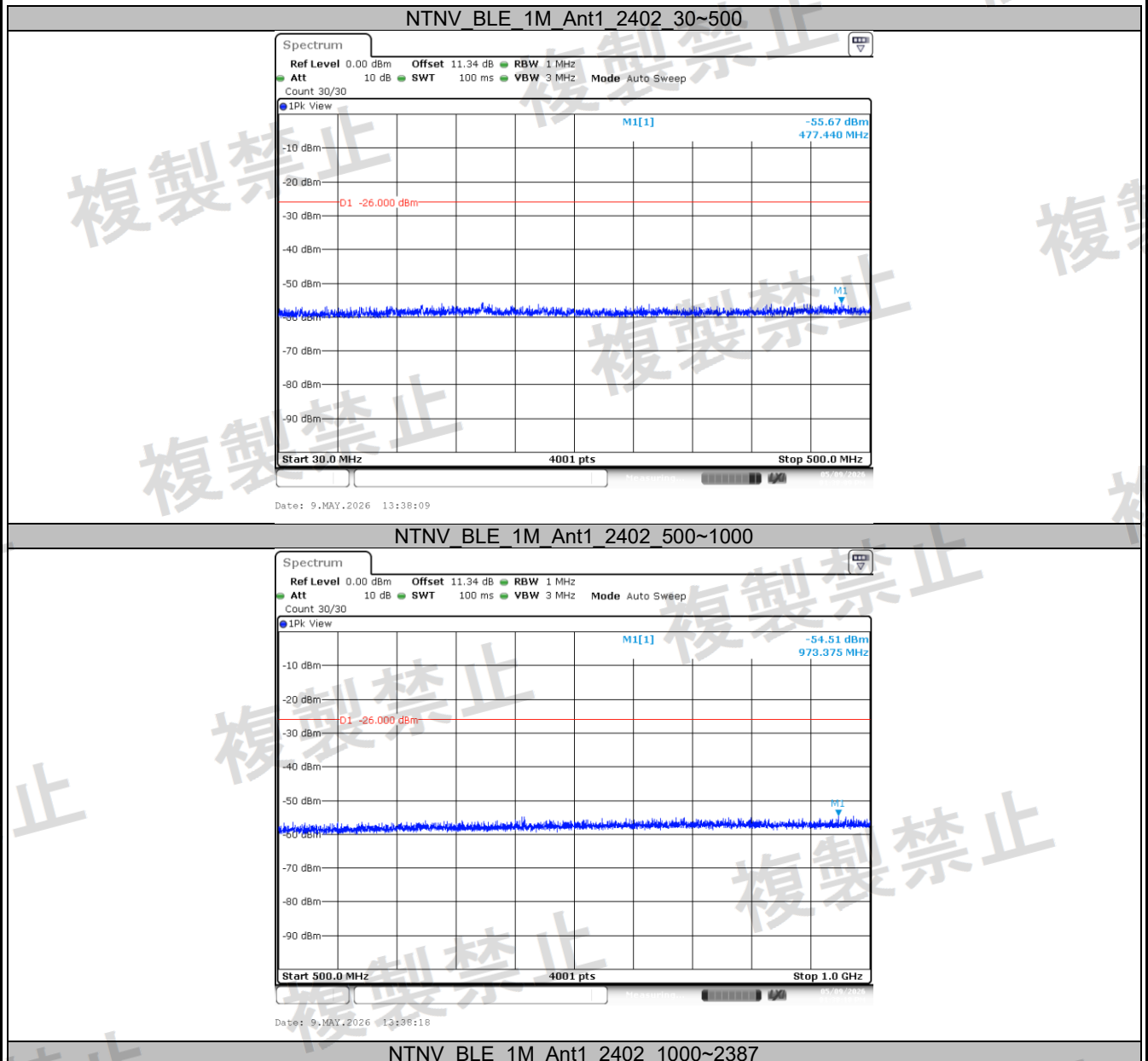
NTHV_BLE_1M_Ant1_2480

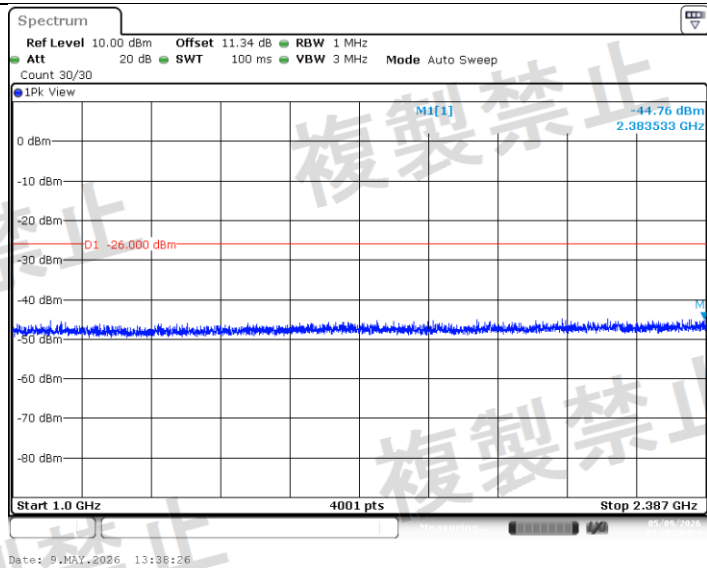


Appendix A.5: Test Results of Spurious Emissions for Transmitter
Test Result

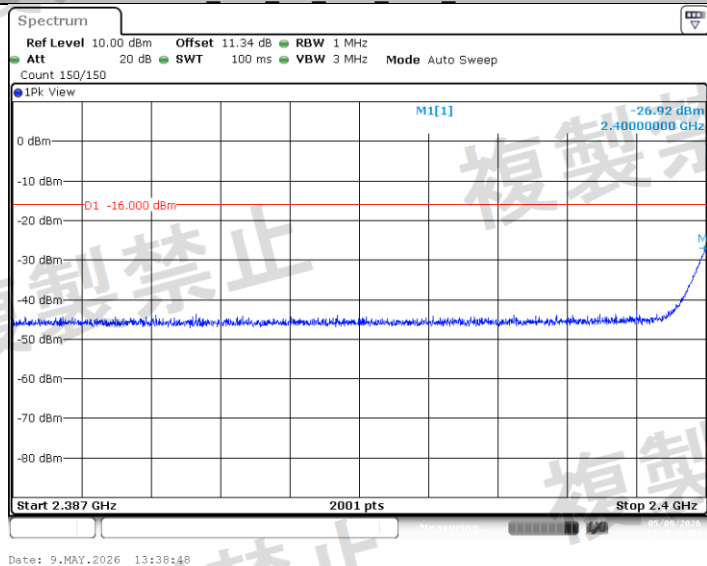
Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~500	477.44	-55.67	≤-26	0.00271	≤2.5	PASS
				500~1000	973.38	-54.51	≤-26	0.00354	≤2.5	PASS
				1000~2387	2383.53	-44.76	≤-26	0.03342	≤2.5	PASS
				2387~2400	2400.00	-26.92	≤-16	2.03236	≤25	PASS
				2483.5~2496.5	2493.82	-43.41	≤-16	0.04560	≤25	PASS
				2496.5~13000	4803.07	-45.99	≤-26	0.02518	≤2.5	PASS
			2440	30~500	144.09	-55.50	≤-26	0.00282	≤2.5	PASS
				500~1000	892.63	-52.71	≤-26	0.00536	≤2.5	PASS
				1000~2387	2191.09	-44.30	≤-26	0.03715	≤2.5	PASS
				2387~2400	2387.50	-43.57	≤-16	0.04395	≤25	PASS
				2483.5~2496.5	2488.41	-42.91	≤-16	0.05117	≤25	PASS
				2496.5~13000	4880.79	-45.55	≤-26	0.02786	≤2.5	PASS
			2480	30~500	192.39	-55.08	≤-26	0.00310	≤2.5	PASS
				500~1000	750.75	-54.63	≤-26	0.00344	≤2.5	PASS
				1000~2387	2174.79	-44.11	≤-26	0.03882	≤2.5	PASS
				2387~2400	2387.02	-43.75	≤-16	0.04217	≤25	PASS
				2483.5~2496.5	2486.88	-43.56	≤-16	0.04406	≤25	PASS
				2496.5~13000	4960.10	-45.17	≤-26	0.03041	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	30~500	143.86	-55.55	≤-26	0.00279	≤2.5	PASS
				500~1000	984.75	-54.12	≤-26	0.00387	≤2.5	PASS
				1000~2387	2348.51	-44.72	≤-26	0.03373	≤2.5	PASS
				2387~2400	2400.00	-26.91	≤-16	2.03704	≤25	PASS
				2483.5~2496.5	2486.12	-43.07	≤-16	0.04932	≤25	PASS
				2496.5~13000	4804.12	-45.24	≤-26	0.02992	≤2.5	PASS
			2440	30~500	143.86	-55.74	≤-26	0.00267	≤2.5	PASS
				500~1000	741.13	-54.77	≤-26	0.00333	≤2.5	PASS
				1000~2387	1668.88	-44.49	≤-26	0.03556	≤2.5	PASS
				2387~2400	2391.10	-43.78	≤-16	0.04188	≤25	PASS
				2483.5~2496.5	2495.71	-43.48	≤-16	0.04487	≤25	PASS
				2496.5~13000	4879.22	-45.35	≤-26	0.02917	≤2.5	PASS
			2480	30~500	143.51	-55.55	≤-26	0.00279	≤2.5	PASS
				500~1000	982.25	-54.60	≤-26	0.00347	≤2.5	PASS
				1000~2387	2220.21	-44.60	≤-26	0.03467	≤2.5	PASS
				2387~2400	2396.08	-43.82	≤-16	0.04150	≤25	PASS
				2483.5~2496.5	2488.35	-43.48	≤-16	0.04487	≤25	PASS
				2496.5~13000	4959.57	-45.42	≤-26	0.02871	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	30~500	191.68	-55.64	≤-26	0.00273	≤2.5	PASS
				500~1000	891.50	-53.86	≤-26	0.00411	≤2.5	PASS
				1000~2387	2339.84	-44.37	≤-26	0.03656	≤2.5	PASS
				2387~2400	2400.00	-26.95	≤-16	2.01837	≤25	PASS
				2483.5~2496.5	2490.99	-43.10	≤-16	0.04898	≤25	PASS
				2496.5~13000	4804.12	-46.42	≤-26	0.02280	≤2.5	PASS
			2440	30~500	485.20	-55.55	≤-26	0.00279	≤2.5	PASS
				500~1000	891.50	-54.64	≤-26	0.00344	≤2.5	PASS
				1000~2387	2330.83	-44.16	≤-26	0.03837	≤2.5	PASS
				2387~2400	2392.14	-43.07	≤-16	0.04932	≤25	PASS
				2483.5~2496.5	2488.07	-42.55	≤-16	0.05559	≤25	PASS
				2496.5~13000	4879.22	-45.37	≤-26	0.02904	≤2.5	PASS
			2480	30~500	191.80	-55.48	≤-26	0.00283	≤2.5	PASS
				500~1000	892.25	-50.14	≤-26	0.00968	≤2.5	PASS
				1000~2387	2304.13	-43.75	≤-26	0.04217	≤2.5	PASS
				2387~2400	2395.77	-43.68	≤-16	0.04285	≤25	PASS
				2483.5~2496.5	2495.89	-43.07	≤-16	0.04932	≤25	PASS
				2496.5~13000	4960.10	-45.17	≤-26	0.03041	≤2.5	PASS

Test Graphs

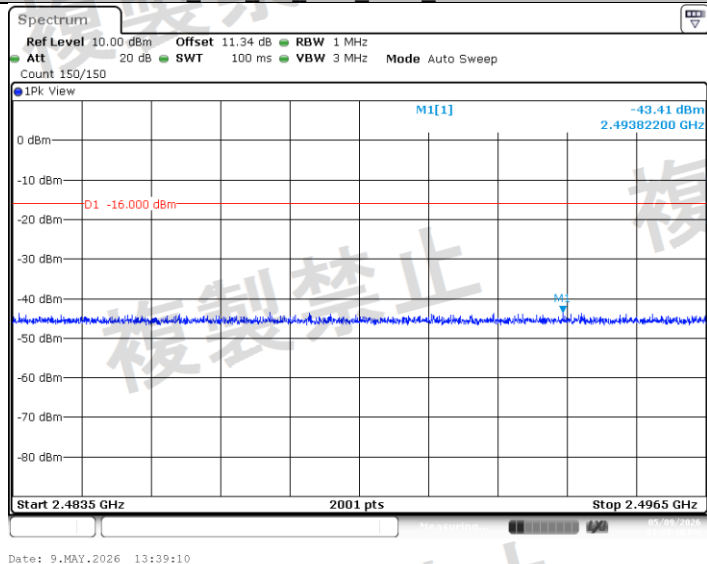




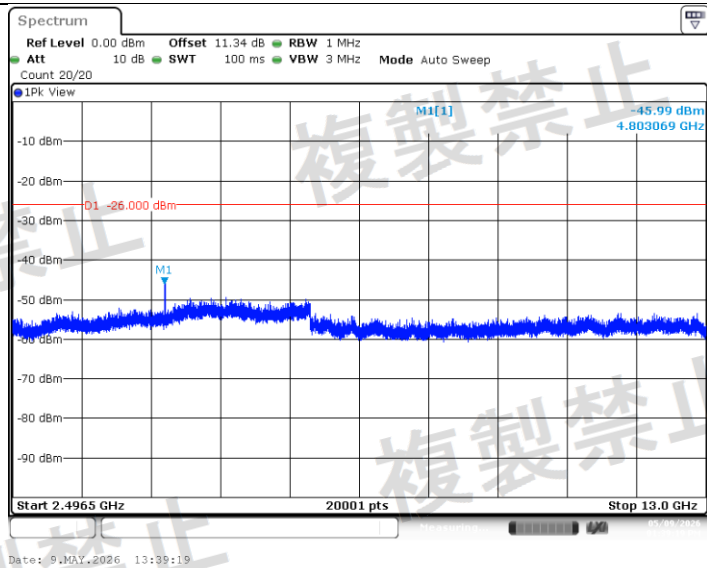
NTNV BLE 1M Ant1 2402 2387~2400



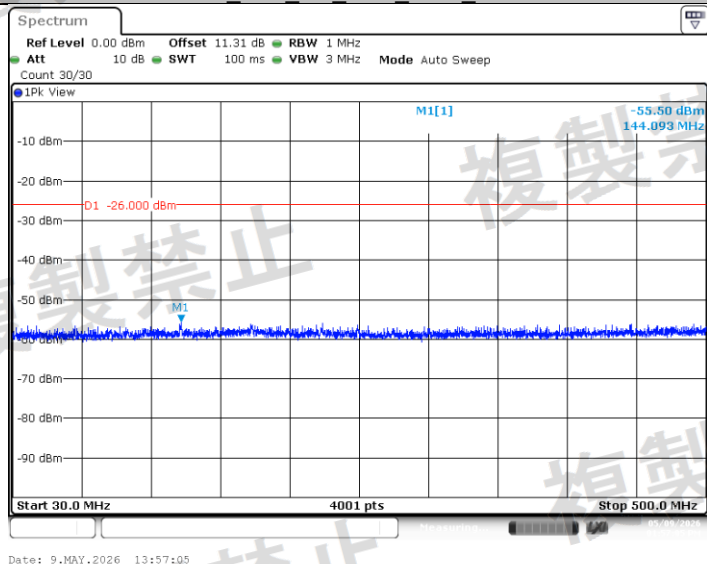
NTNV BLE 1M Ant1 2402 2483.5~2496.5



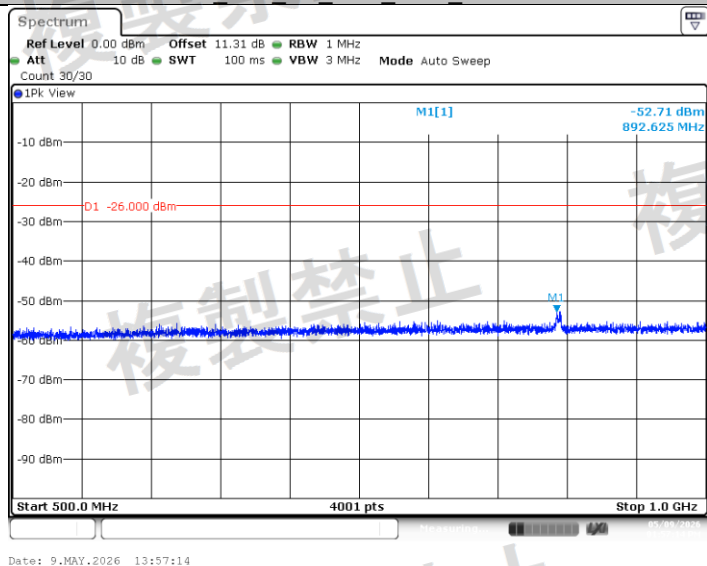
NTNV BLE 1M Ant1 2402 2496.5~13000



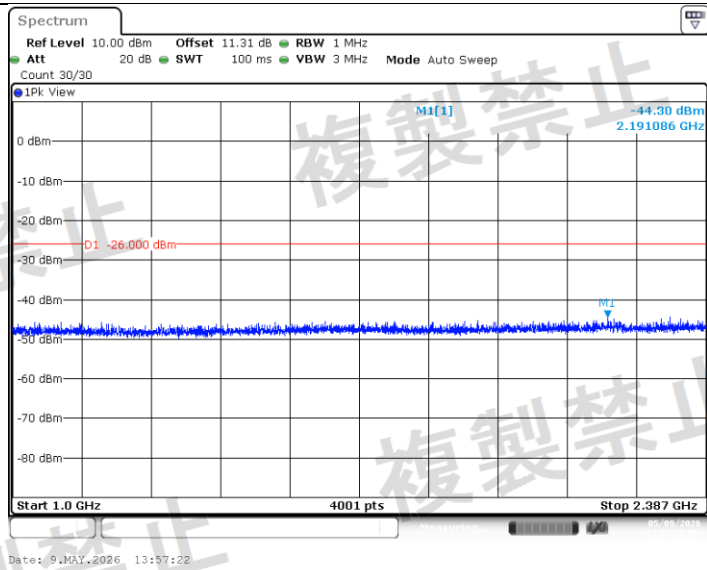
NTNV_BLE_1M_Ant1_2440_30~500



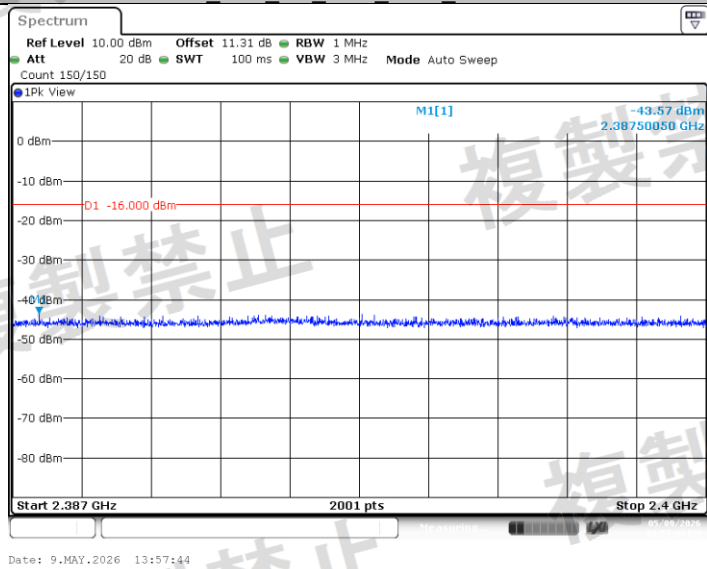
NTNV_BLE_1M_Ant1_2440_500~1000



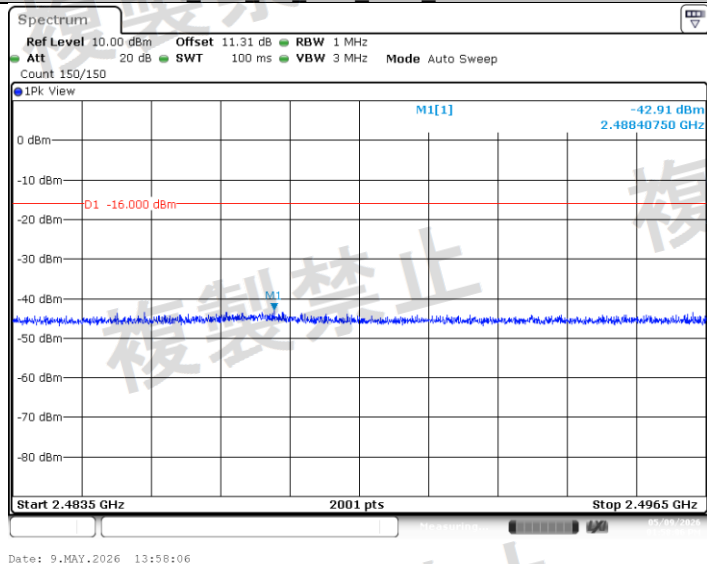
NTNV_BLE_1M_Ant1_2440_1000~2387



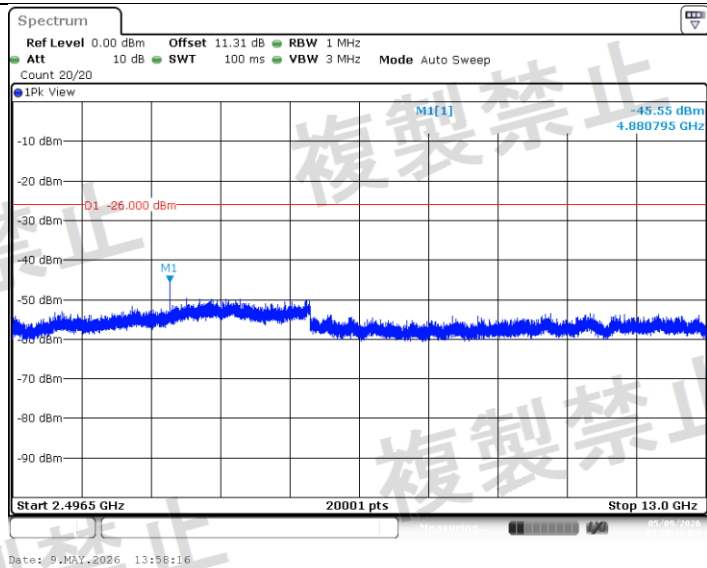
NTNV BLE 1M Ant1 2440 2387~2400



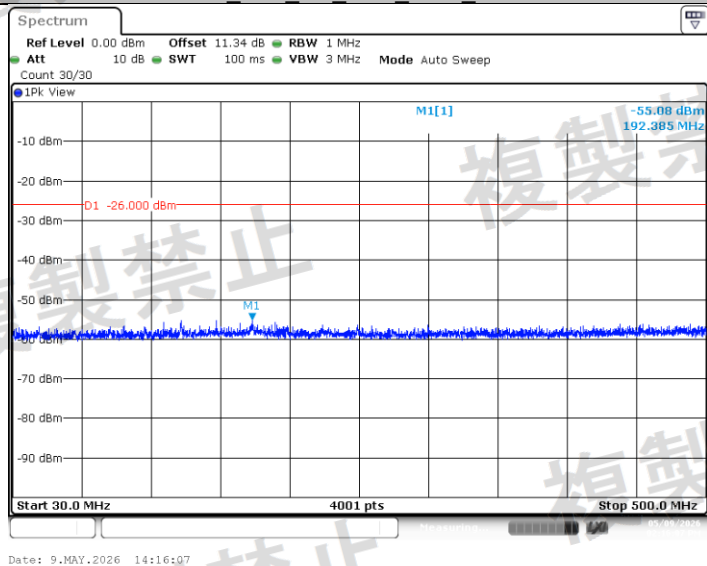
NTNV BLE 1M Ant1 2440 2483.5~2496.5



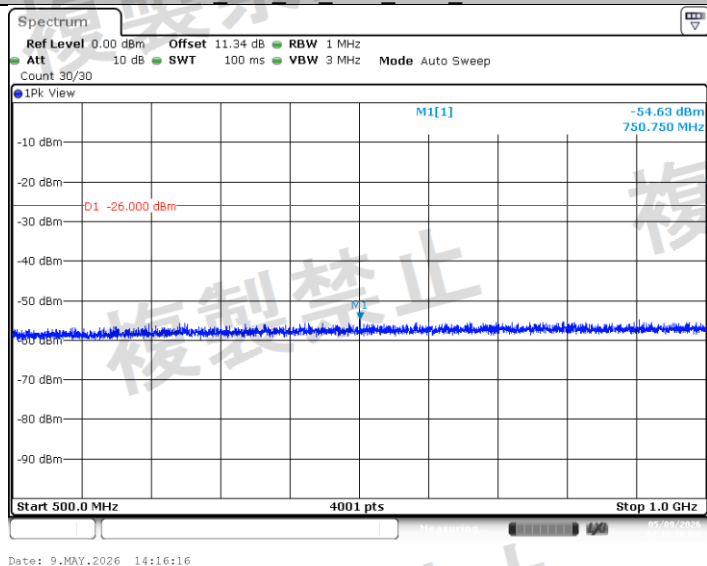
NTNV BLE 1M Ant1 2440 2496.5~13000



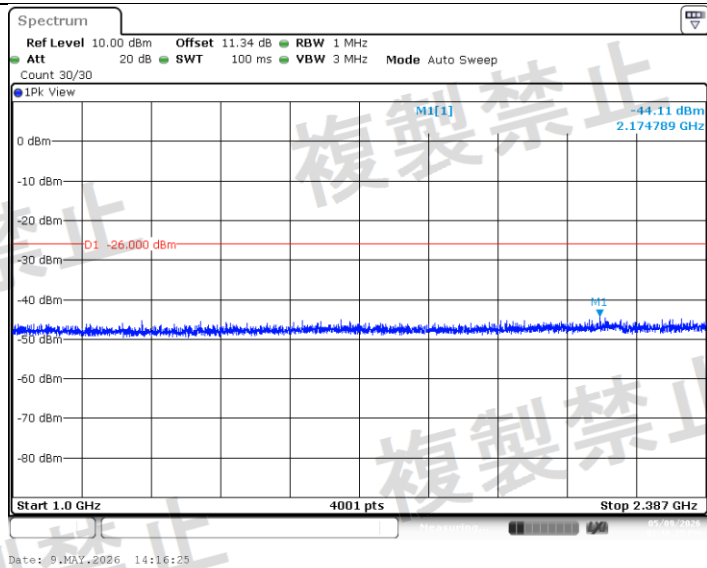
NTNV_BLE_1M_Ant1_2480_30~500



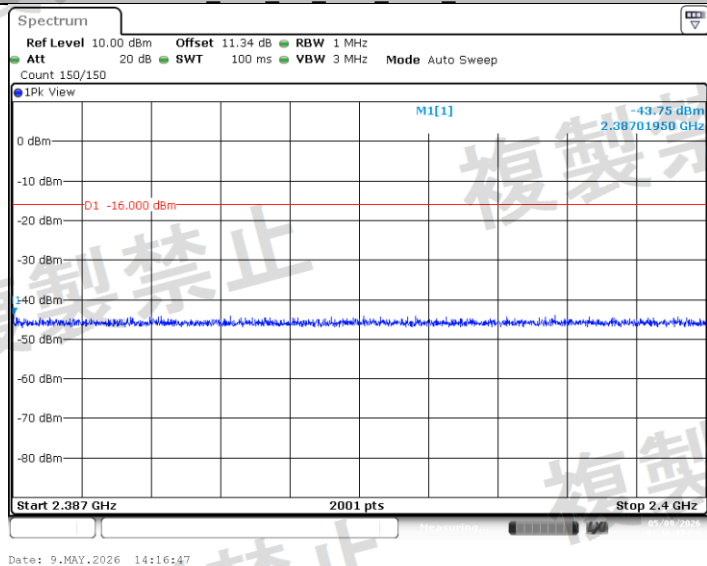
NTNV_BLE_1M_Ant1_2480_500~1000



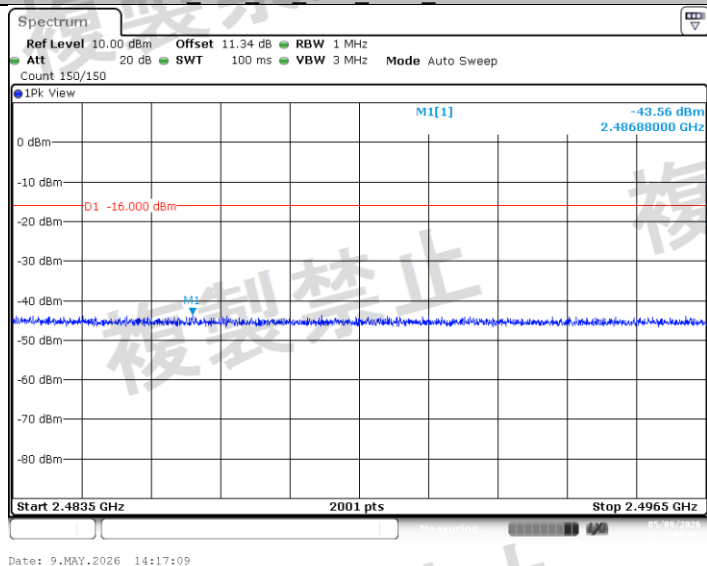
NTNV_BLE_1M_Ant1_2480_1000~2387



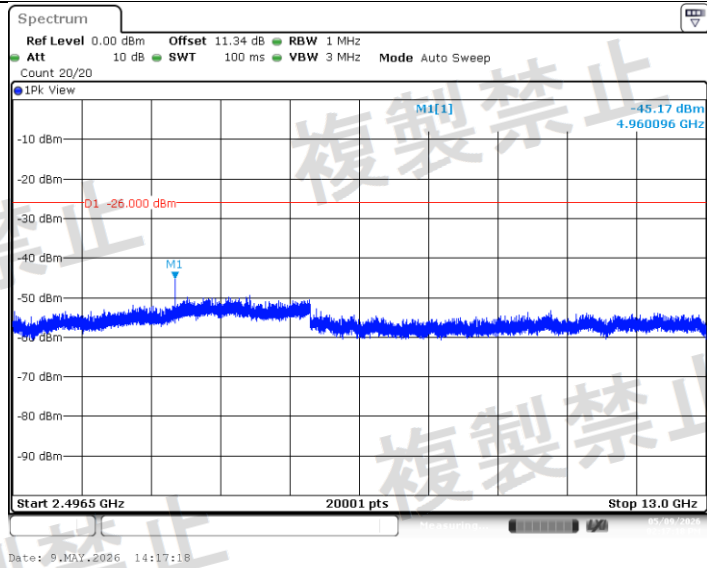
NTNV BLE 1M Ant1 2480 2387~2400



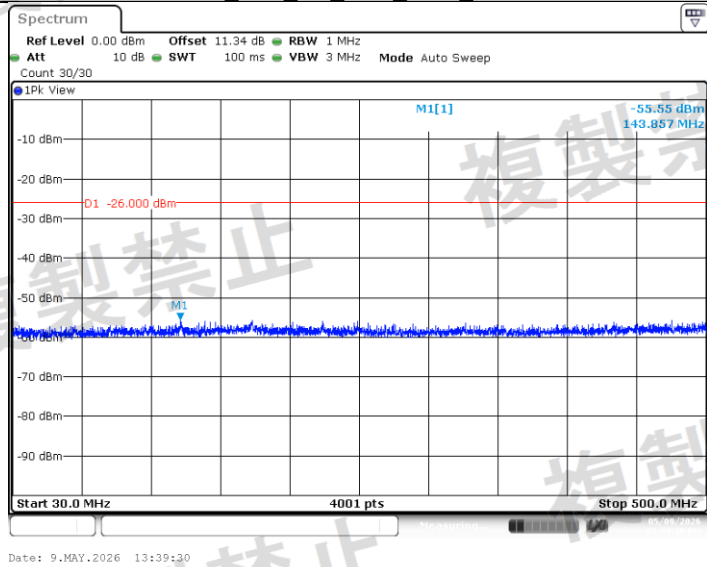
NTNV BLE 1M Ant1 2480 2483.5~2496.5



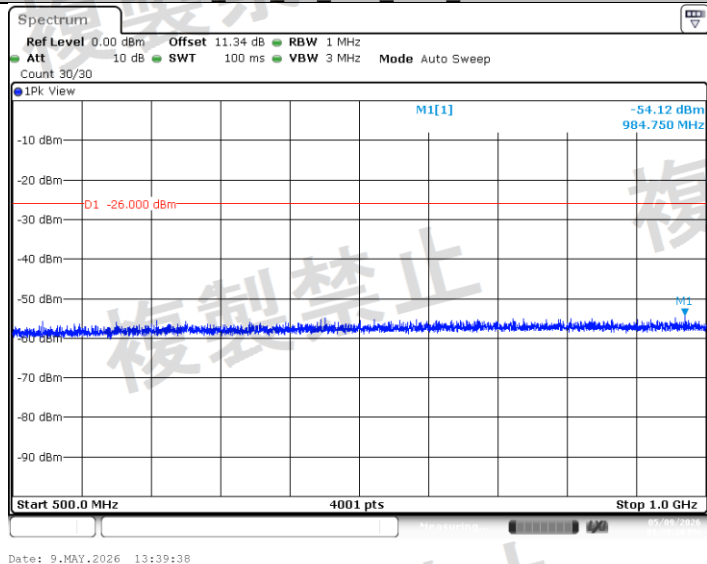
NTNV BLE 1M Ant1 2480 2496.5~13000



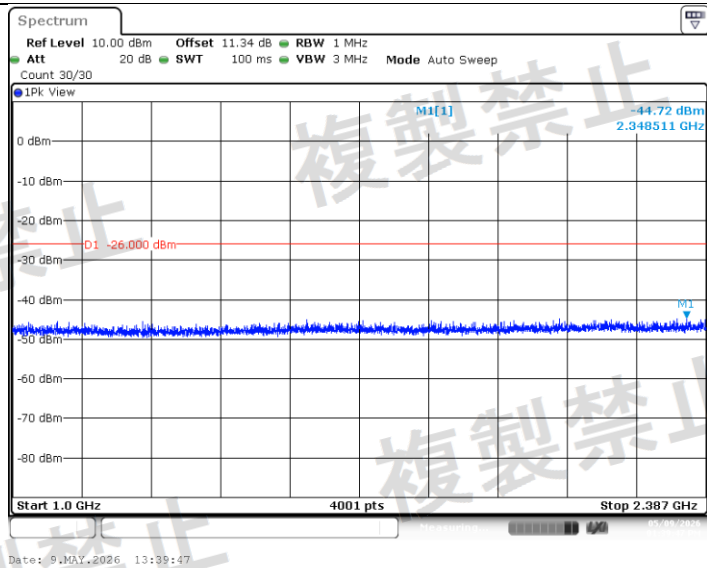
NTLV BLE 1M Ant1 2402_30~500



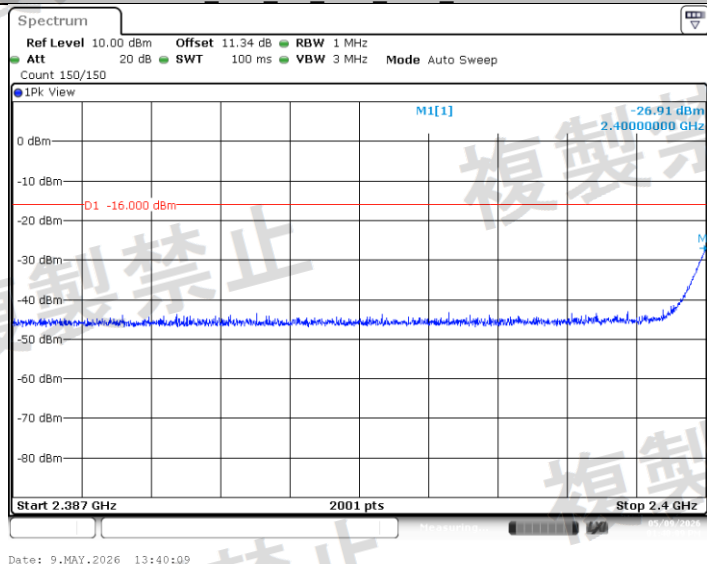
NTLV BLE 1M Ant1 2402_500~1000



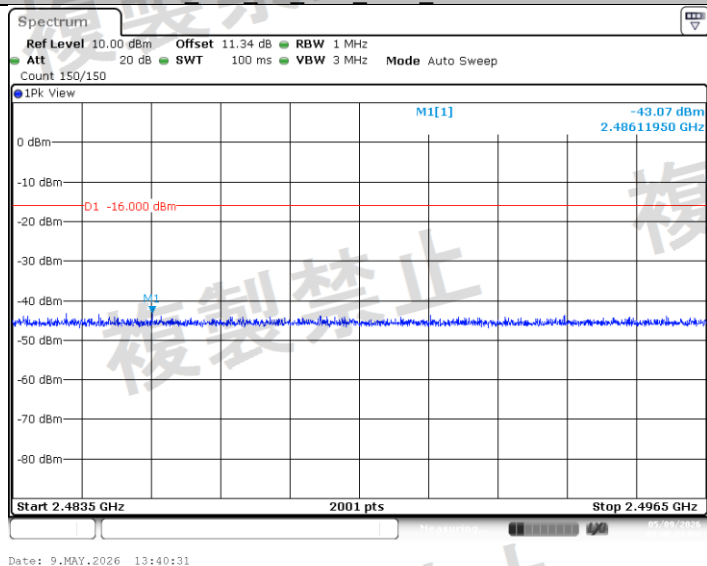
NTLV BLE 1M Ant1 2402_1000~2387



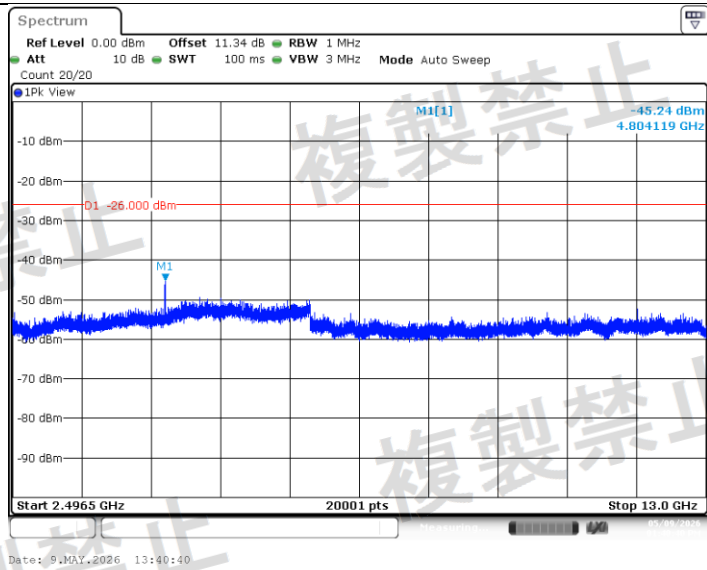
NTLV BLE 1M Ant1 2402 2387~2400



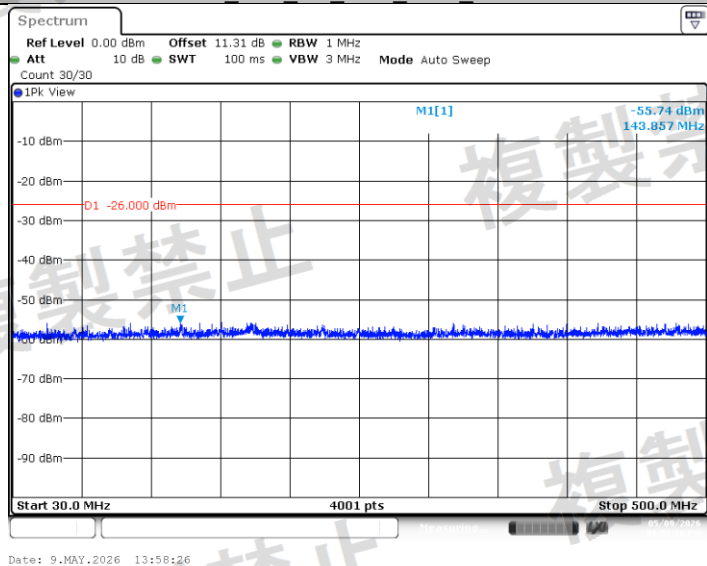
NTLV BLE 1M Ant1 2402 2483.5~2496.5



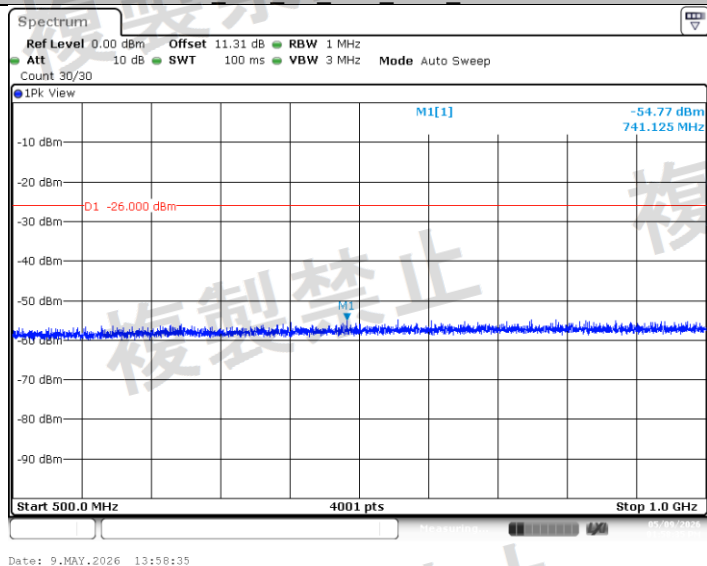
NTLV BLE 1M Ant1 2402 2496.5~13000



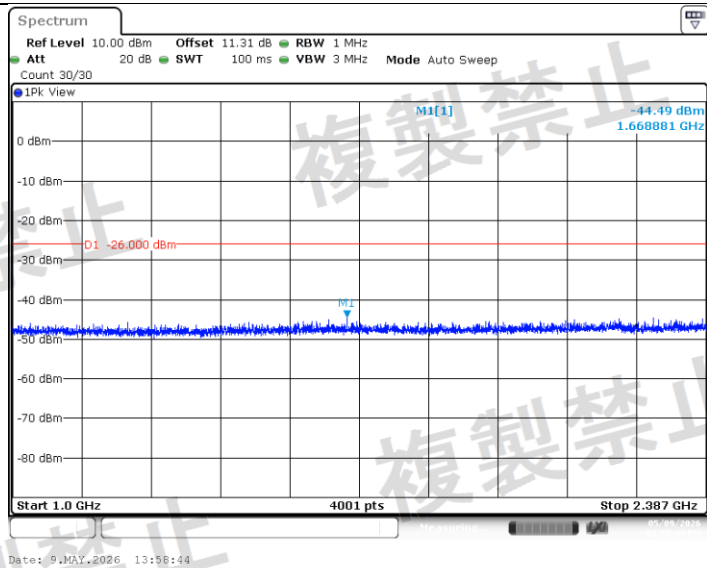
NTLV BLE 1M Ant1 2440_30~500



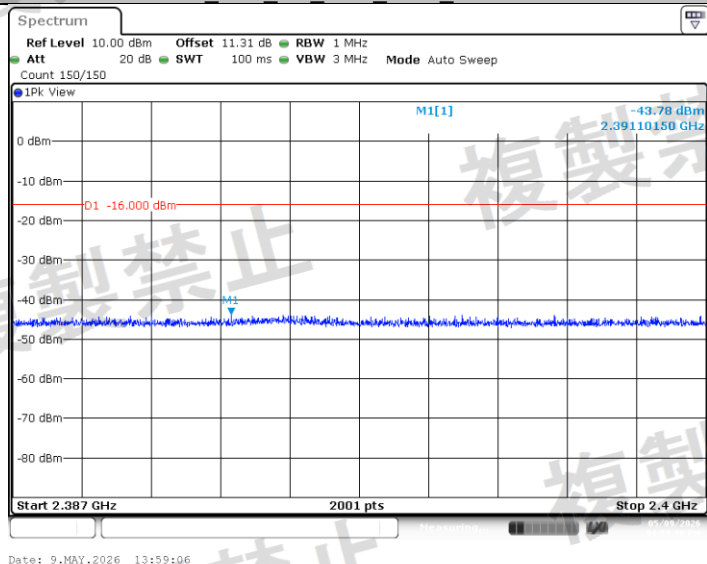
NTLV BLE 1M Ant1 2440_500~1000



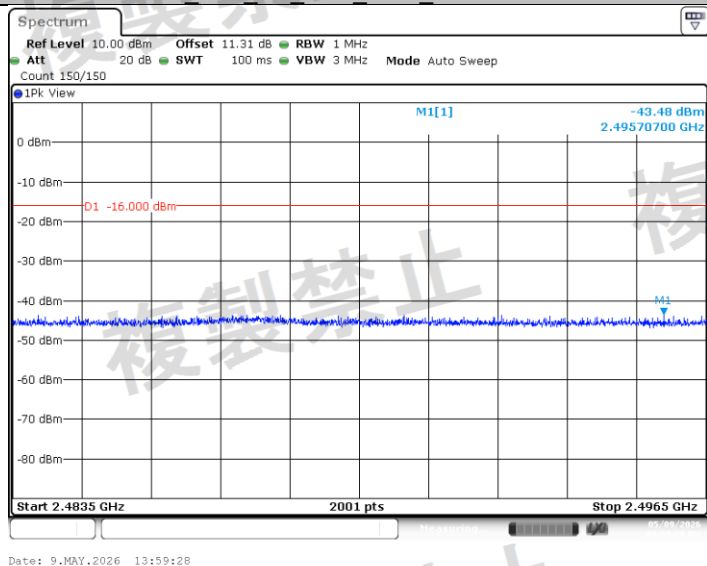
NTLV BLE 1M Ant1 2440_1000~2387



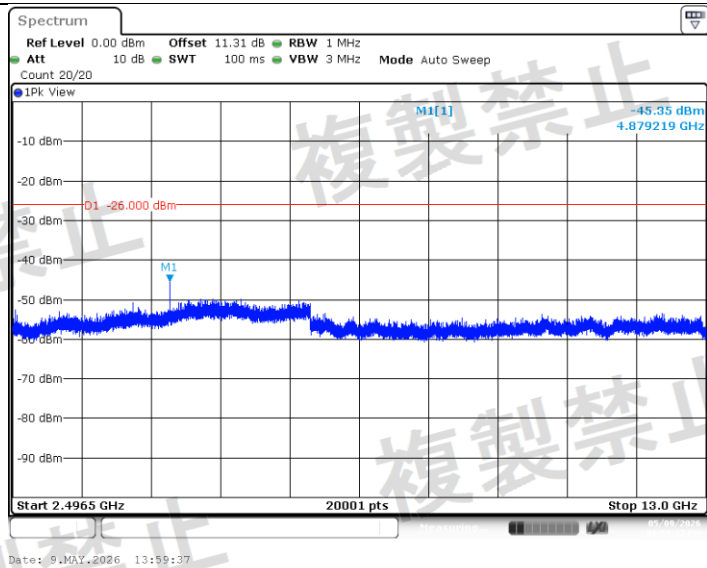
NTLV BLE 1M Ant1 2440 2387~2400



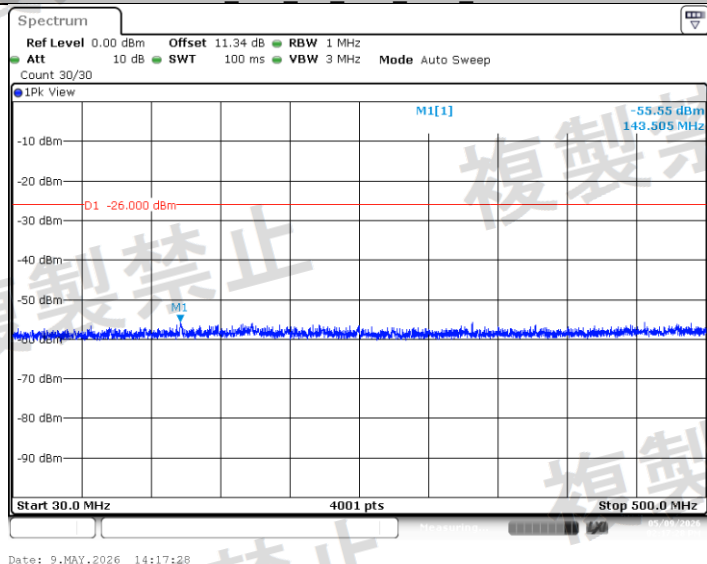
NTLV BLE 1M Ant1 2440 2483.5~2496.5



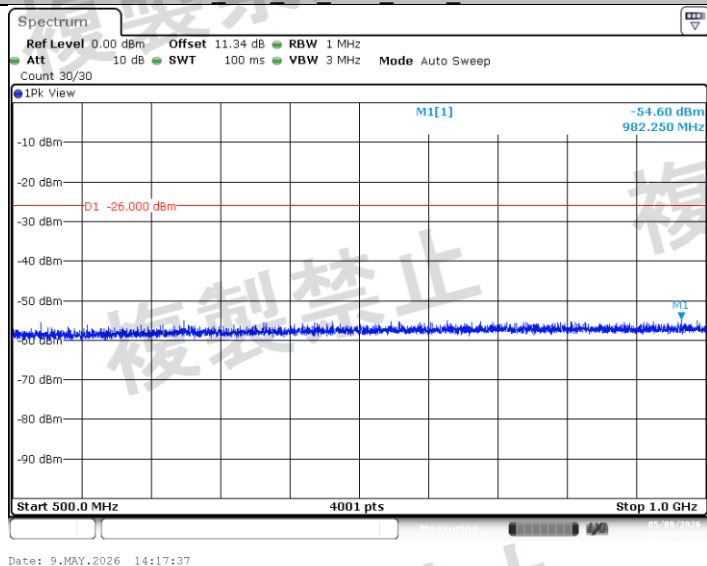
NTLV BLE 1M Ant1 2440 2496.5~13000



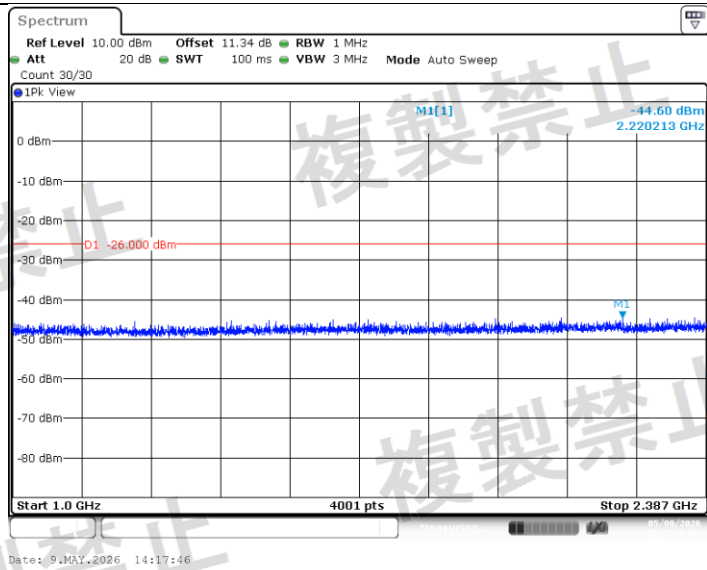
NTLV BLE 1M Ant1 2480_30~500



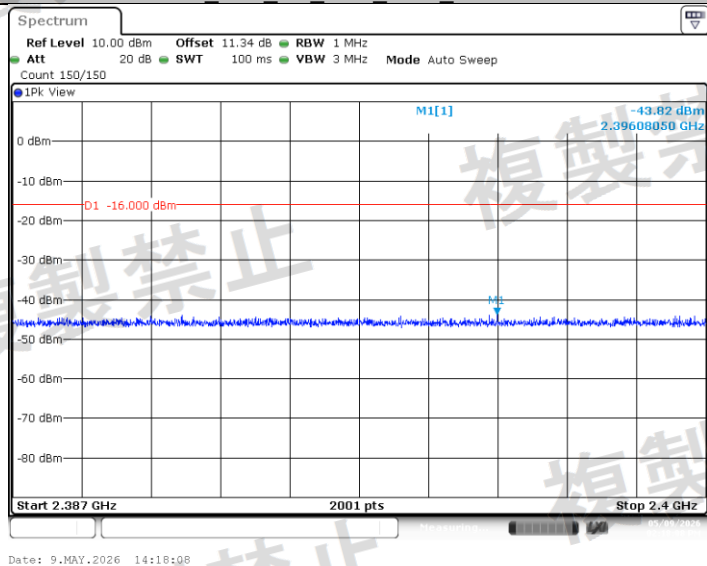
NTLV BLE 1M Ant1 2480_500~1000



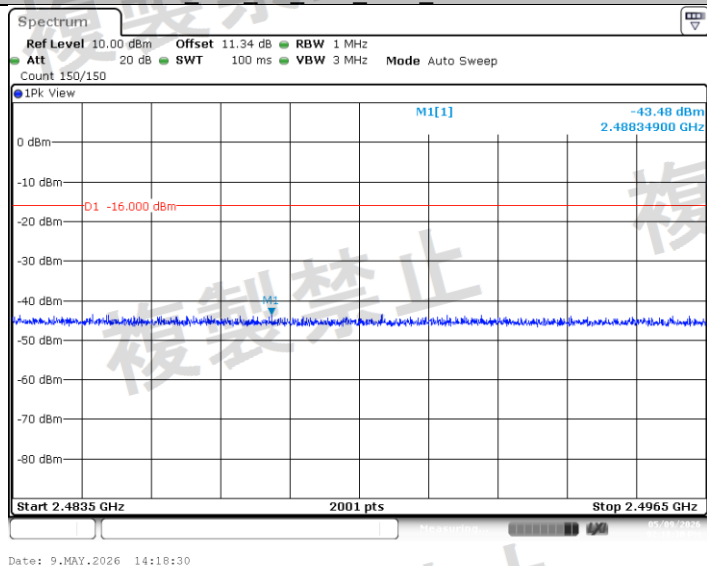
NTLV BLE 1M Ant1 2480_1000~2387



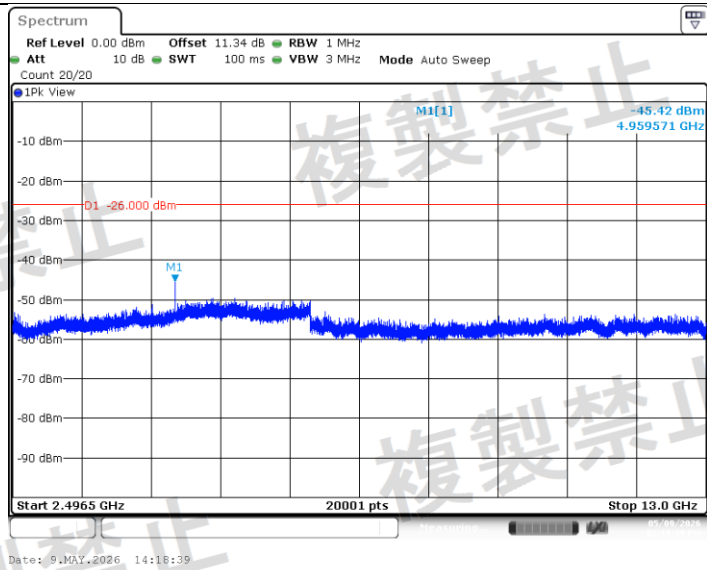
NTLV BLE 1M Ant1 2480 2387~2400



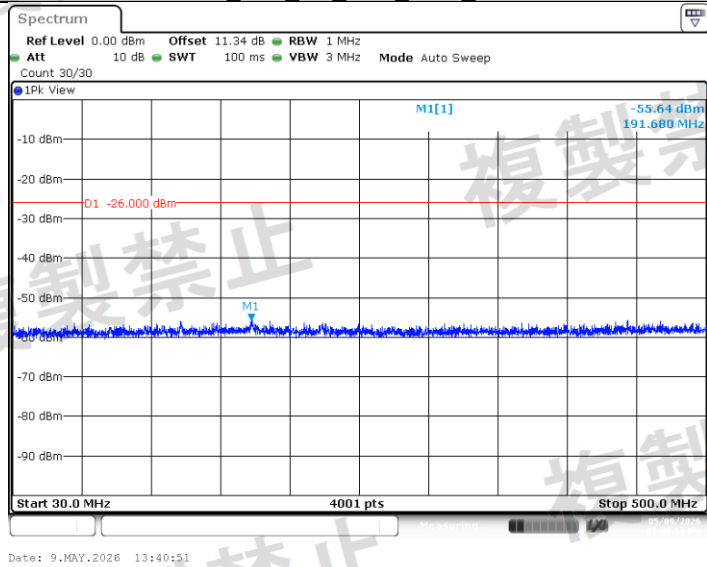
NTLV BLE 1M Ant1 2480 2483.5~2496.5



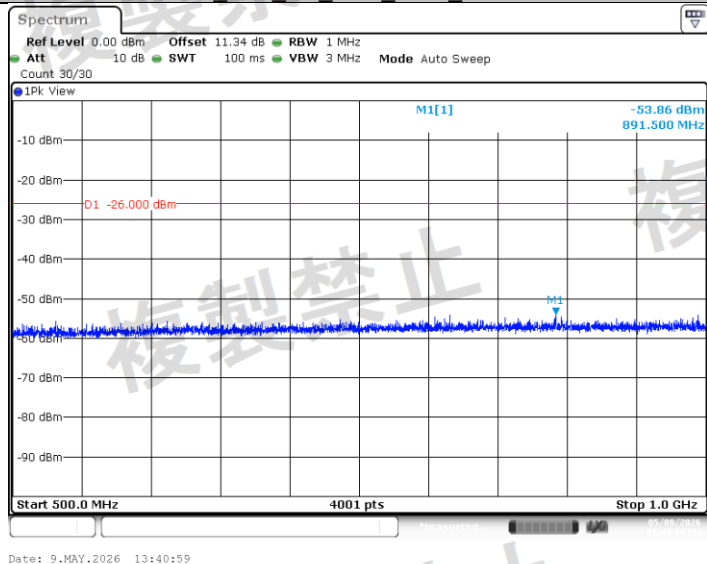
NTLV BLE 1M Ant1 2480 2496.5~13000



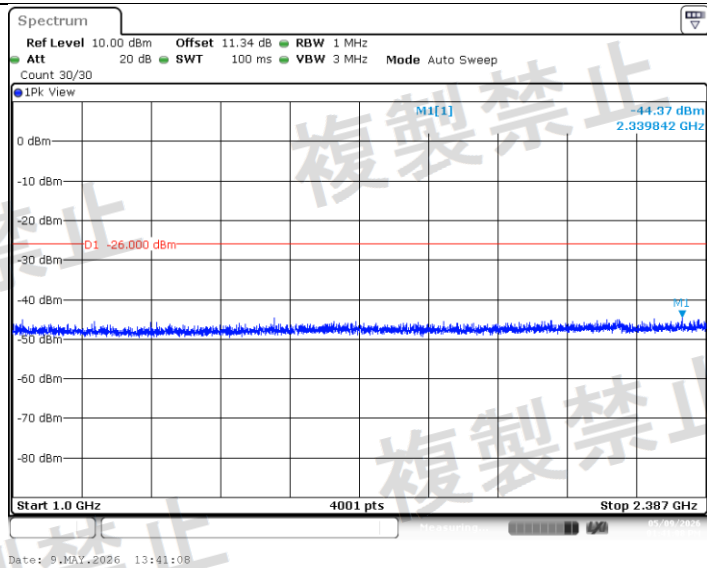
NTHV_BLE_1M_Ant1_2402_30~500



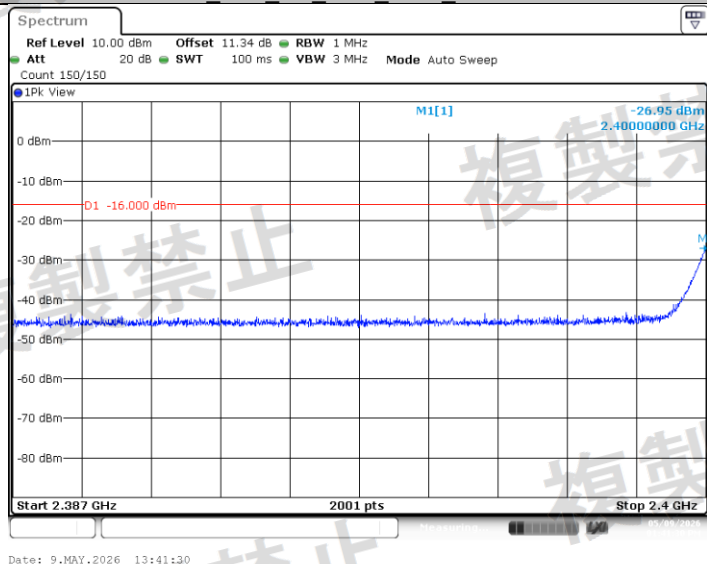
NTHV_BLE_1M_Ant1_2402_500~1000



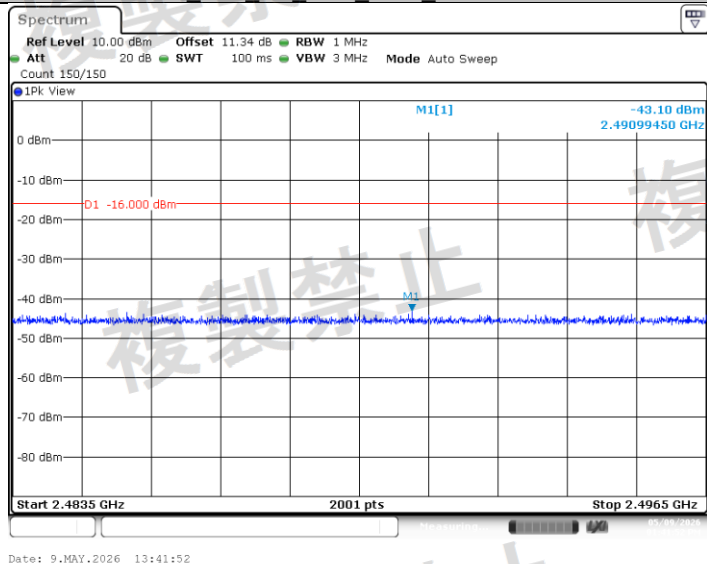
NTHV_BLE_1M_Ant1_2402_1000~2387



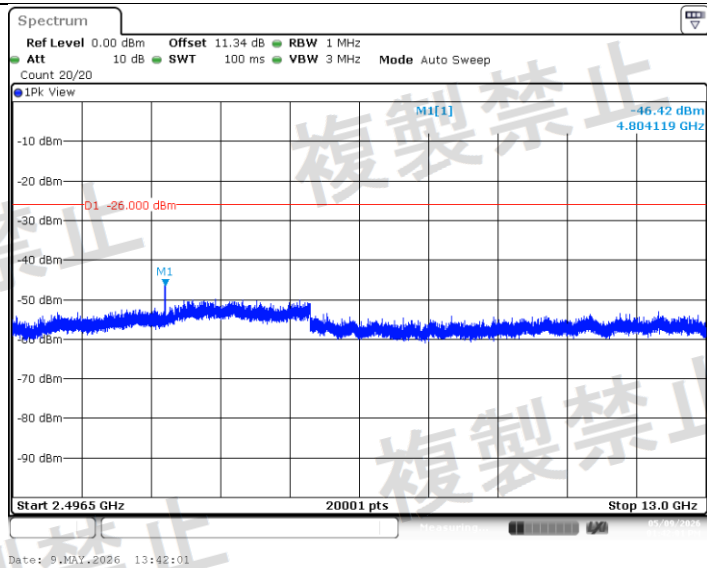
NTHV BLE 1M Ant1 2402 2387~2400



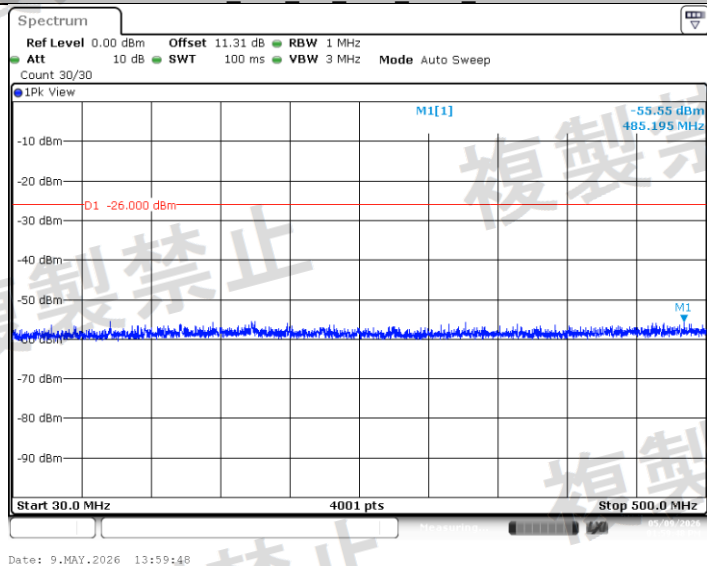
NTHV BLE 1M Ant1 2402 2483.5~2496.5



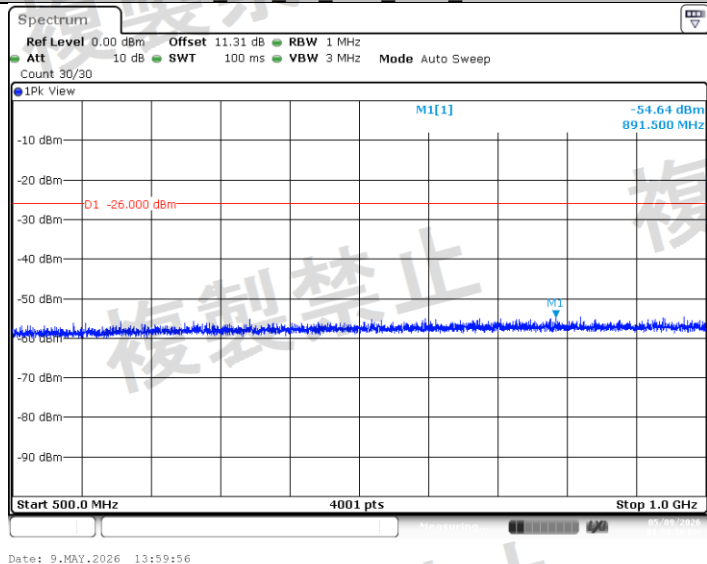
NTHV BLE 1M Ant1 2402 2496.5~13000



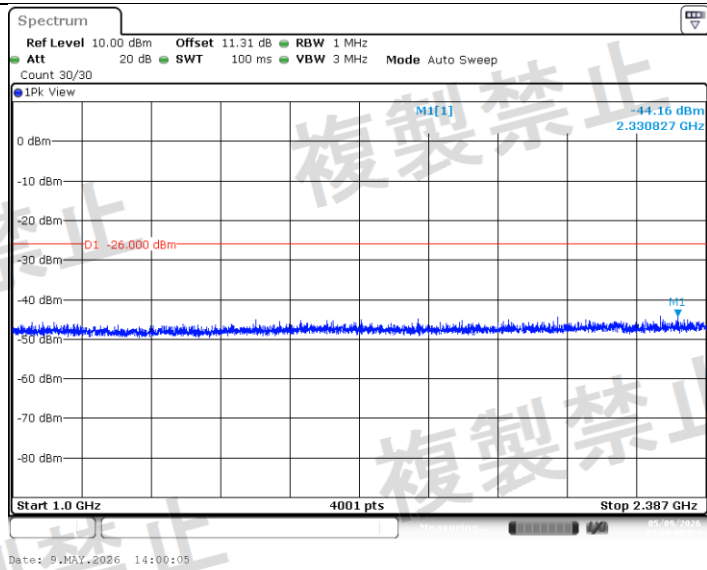
NTHV BLE 1M Ant1 2440 30~500



NTHV BLE 1M Ant1 2440 500~1000



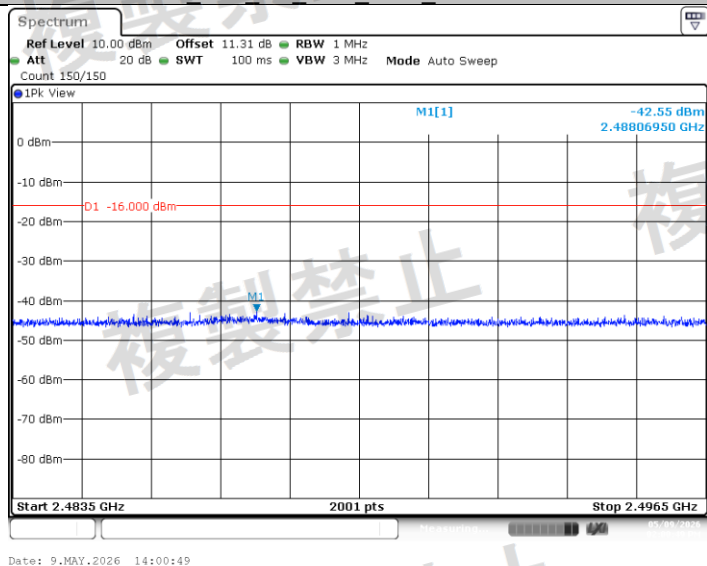
NTHV BLE 1M Ant1 2440 1000~2387



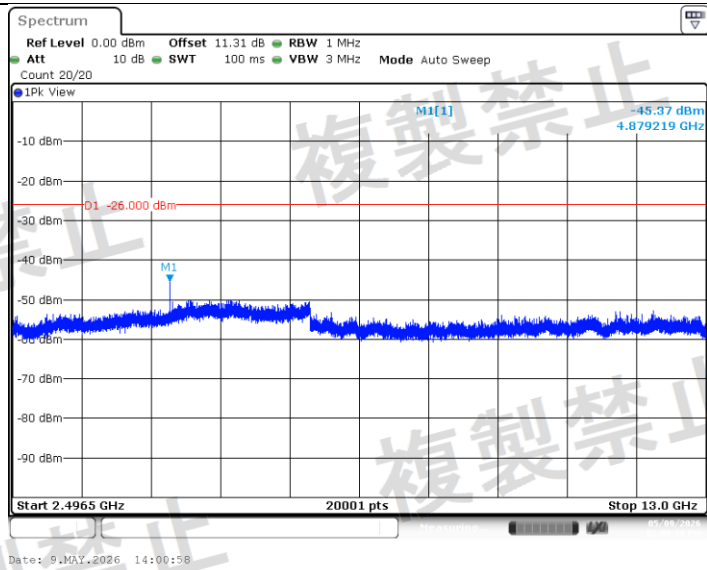
NTHV BLE 1M Ant1 2440 2387~2400



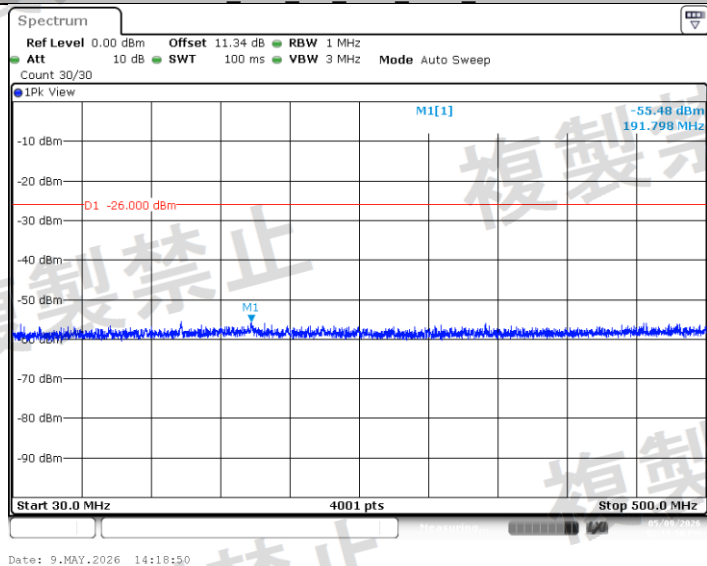
NTHV BLE 1M Ant1 2440 2483.5~2496.5



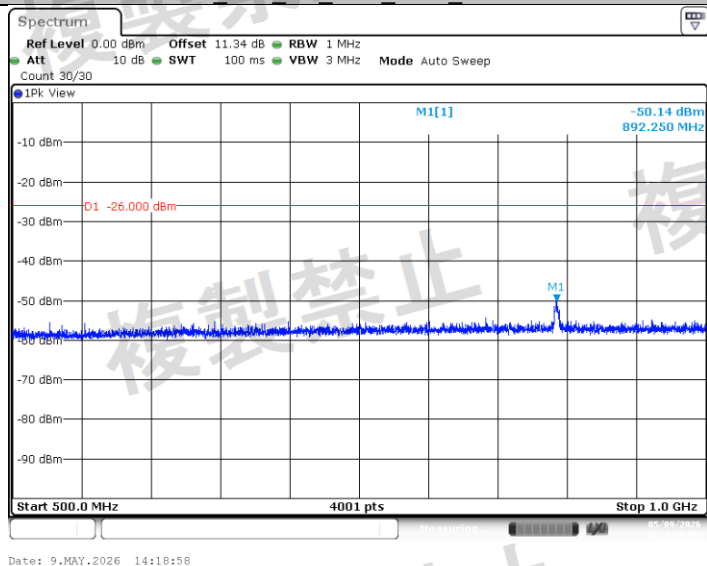
NTHV BLE 1M Ant1 2440 2496.5~13000



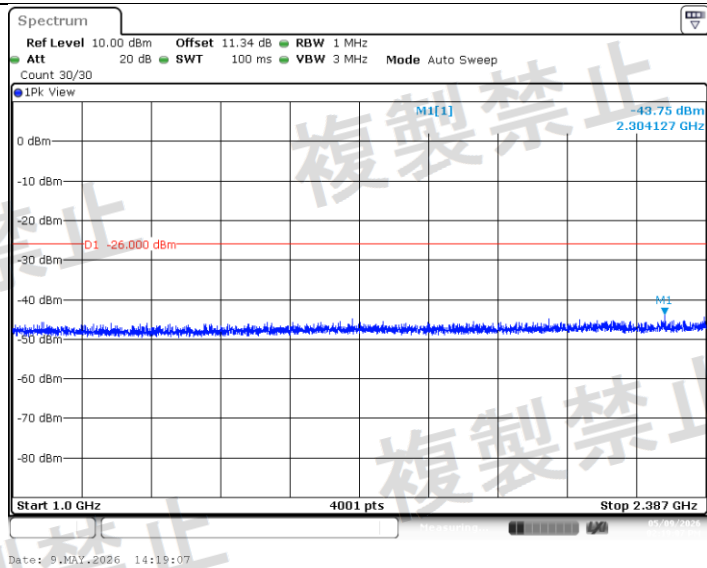
NTHV BLE 1M Ant1 2480 30~500



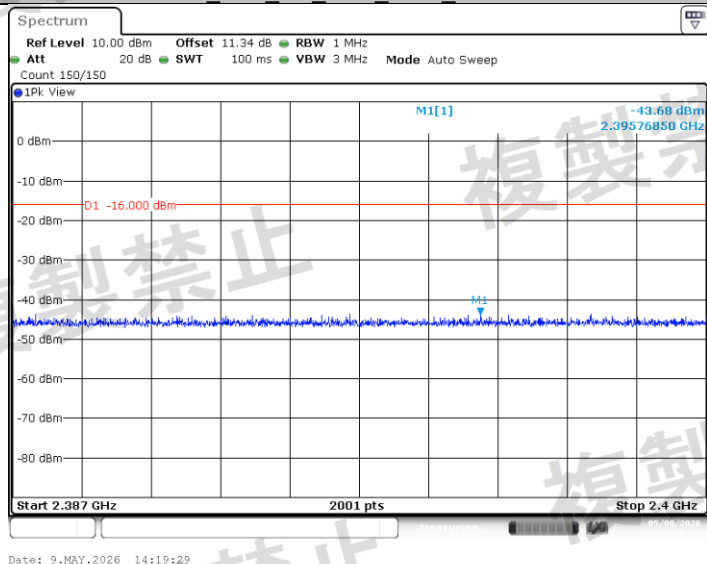
NTHV BLE 1M Ant1 2480 500~1000



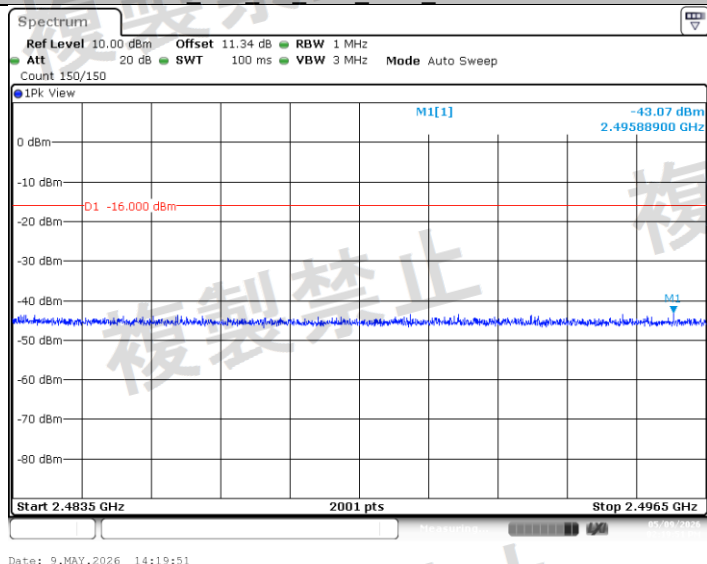
NTHV BLE 1M Ant1 2480 1000~2387



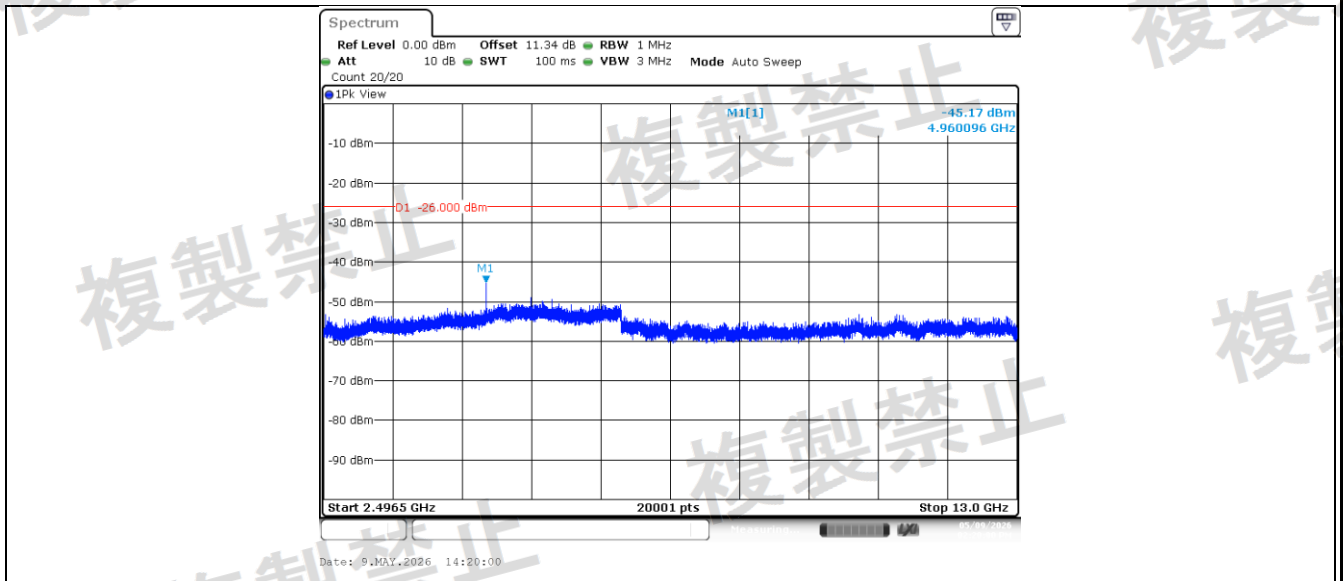
NTHV BLE 1M Ant1 2480 2387~2400



NTHV BLE 1M Ant1 2480 2483.5~2496.5



NTHV BLE 1M Ant1 2480 2496.5~13000



Appendix A.6: Test Results of Spurious Emissions for Receiver

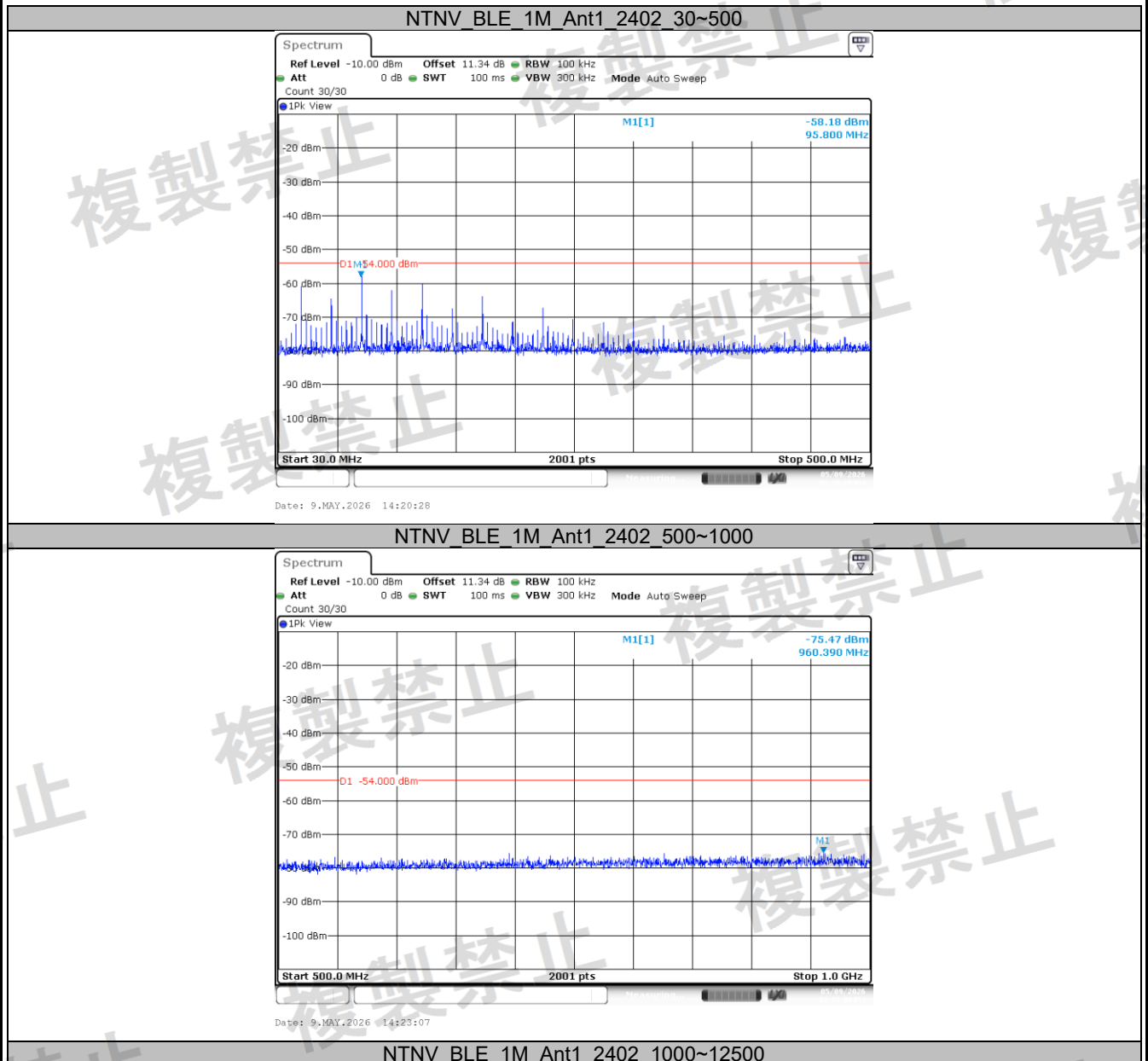
Test Result

Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~500	95.8	-58.18	≤-54	1.52055	≤4	See table below
				500~1000	960.39	-75.47	≤-54	0.02838	≤4	PASS
				1000~12500	5804.17	-59.66	≤-47	1.08143	≤20	PASS
			2440	30~500	96.04	-58.08	≤-54	1.55597	≤4	See table below
				500~1000	897.68	-75.55	≤-54	0.02786	≤4	PASS
				1000~12500	5393.64	-60.19	≤-47	0.95719	≤20	PASS
			2480	30~500	96.04	-58.24	≤-54	1.49968	≤4	See table below
				500~1000	893.93	-71.58	≤-54	0.06950	≤4	PASS
				1000~12500	5984.71	-59.65	≤-47	1.08393	≤20	PASS
NTLV	BLE_1M	Ant1	2402	30~500	96.04	-58.14	≤-54	1.53462	≤4	See table below
				500~1000	881.93	-75.34	≤-54	0.02924	≤4	PASS
				1000~12500	6028.99	-59.64	≤-47	1.08643	≤20	PASS
			2440	30~500	95.8	-58.08	≤-54	1.55597	≤4	See table below
				500~1000	855.20	-75.69	≤-54	0.02698	≤4	PASS
				1000~12500	5794.40	-58.82	≤-47	1.31220	≤20	PASS
			2480	30~500	95.8	-58.01	≤-54	1.58125	≤4	See table below
				500~1000	880.93	-75.58	≤-54	0.02767	≤4	PASS
				1000~12500	5577.63	-60.17	≤-47	0.96161	≤20	PASS
NTHV	BLE_1M	Ant1	2402	30~500	95.8	-58.05	≤-54	1.56675	≤4	See table below
				500~1000	754.25	-74.97	≤-54	0.03184	≤4	PASS
				1000~12500	5207.35	-59.53	≤-47	1.11429	≤20	PASS
			2440	30~500	96.04	-58.09	≤-54	1.55239	≤4	See table below
				500~1000	987.13	-75.55	≤-54	0.02786	≤4	PASS
				1000~12500	5446.54	-59.73	≤-47	1.06414	≤20	PASS
			2480	30~500	96.04	-58.13	≤-54	1.53815	≤4	See table below
				500~1000	893.43	-66.27	≤-54	0.23605	≤4	PASS
				1000~12500	5508.64	-59.88	≤-47	1.02802	≤20	PASS

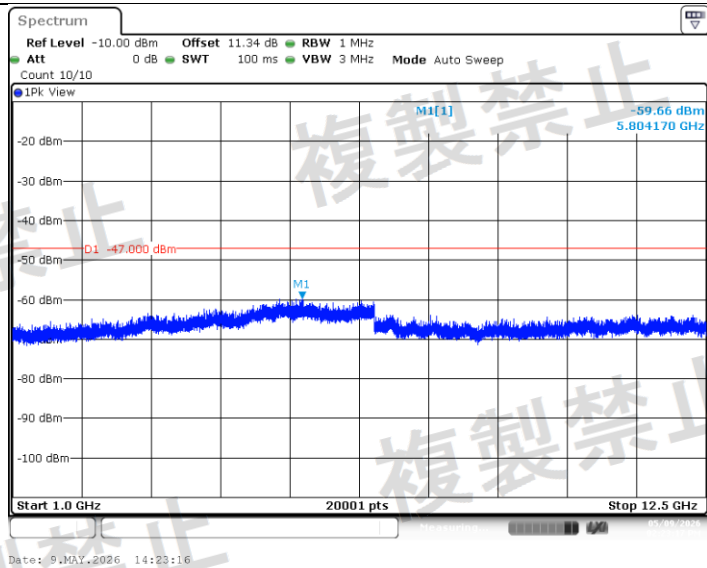
Test Result_Step2

TestCondition	TestMode	Antenna	Freq(MHz)	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	47.86	-66.83	≤-54	0.20749	≤4	PASS
				95.80	-63.78	≤-54	0.41879	≤4	PASS
				120.01	-67.52	≤-54	0.17701	≤4	PASS
				143.98	-65.82	≤-54	0.26182	≤4	PASS
				191.92	-69.26	≤-54	0.11858	≤4	PASS
			2440	47.86	-67.00	≤-54	0.19953	≤4	PASS
				96.04	-63.87	≤-54	0.41020	≤4	PASS
				120.01	-67.54	≤-54	0.17620	≤4	PASS
				143.98	-66.11	≤-54	0.24491	≤4	PASS
			2480	47.86	-66.98	≤-54	0.20045	≤4	PASS
				96.04	-63.71	≤-54	0.42560	≤4	PASS
				120.01	-67.38	≤-54	0.18281	≤4	PASS
				143.98	-65.73	≤-54	0.26730	≤4	PASS
NTLV	BLE_1M	Ant1	2402	47.86	-66.83	≤-54	0.20749	≤4	PASS
				96.04	-63.79	≤-54	0.41783	≤4	PASS
				120.01	-67.40	≤-54	0.18197	≤4	PASS
				143.98	-65.71	≤-54	0.26853	≤4	PASS
				191.92	-69.13	≤-54	0.12218	≤4	PASS
			2440	47.86	-66.89	≤-54	0.20464	≤4	PASS
				95.80	-63.87	≤-54	0.41020	≤4	PASS
				120.01	-67.42	≤-54	0.18113	≤4	PASS
				143.98	-65.76	≤-54	0.26546	≤4	PASS
			2480	47.86	-66.99	≤-54	0.19999	≤4	PASS
				95.80	-63.84	≤-54	0.41305	≤4	PASS
				120.01	-67.49	≤-54	0.17824	≤4	PASS
				143.98	-65.82	≤-54	0.26182	≤4	PASS
NTHV	BLE_1M	Ant1	2402	47.86	-66.84	≤-54	0.20701	≤4	PASS
				95.80	-63.80	≤-54	0.41687	≤4	PASS
				120.01	-67.40	≤-54	0.18197	≤4	PASS
				143.98	-65.84	≤-54	0.26062	≤4	PASS
			2440	47.86	-66.89	≤-54	0.20464	≤4	PASS
				96.04	-63.84	≤-54	0.41305	≤4	PASS
				120.01	-67.79	≤-54	0.16634	≤4	PASS
				143.98	-65.75	≤-54	0.26607	≤4	PASS
			2480	47.86	-66.87	≤-54	0.20559	≤4	PASS
				96.04	-63.72	≤-54	0.42462	≤4	PASS
				120.01	-67.38	≤-54	0.18281	≤4	PASS
				143.98	-65.81	≤-54	0.26242	≤4	PASS

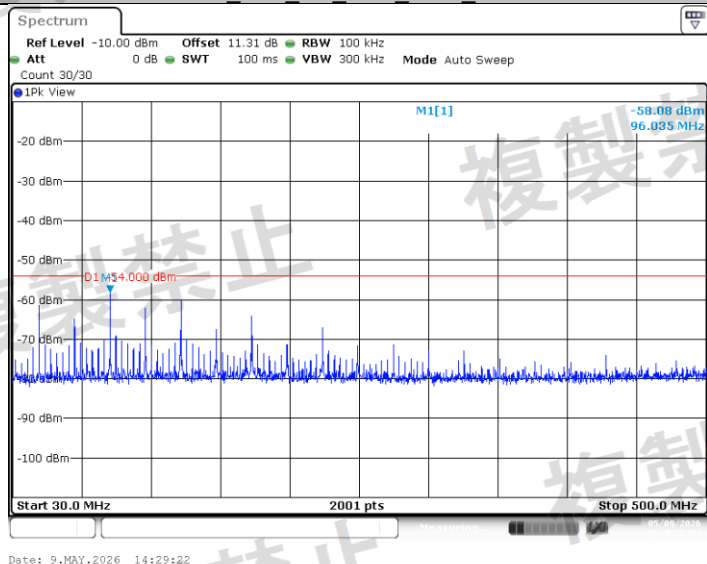
Test Graphs



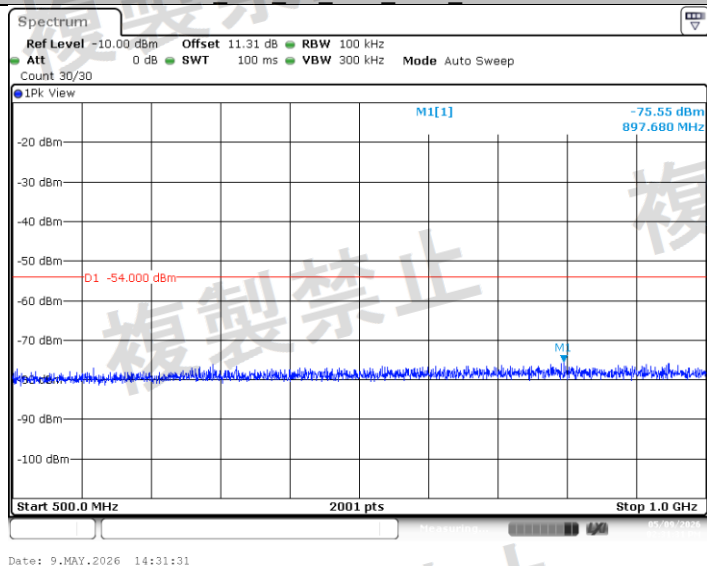
NTNV_BLE_1M_Ant1_2402_1000~12500



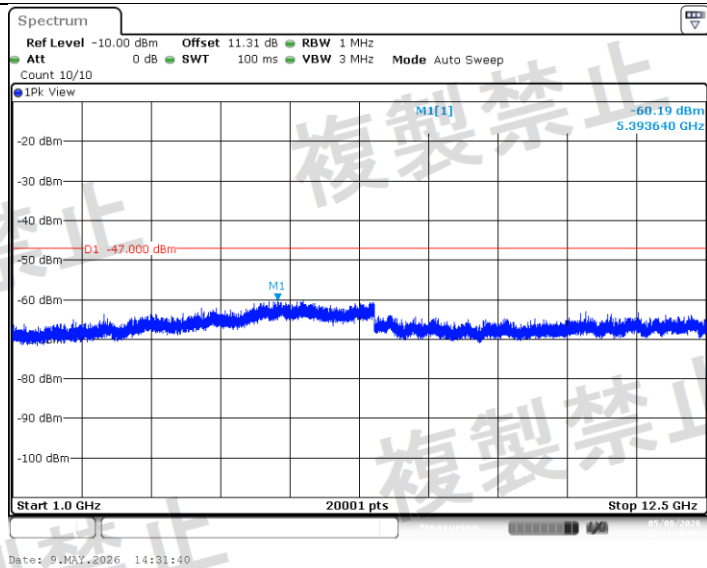
NTNV BLE 1M Ant1 2440 30~500



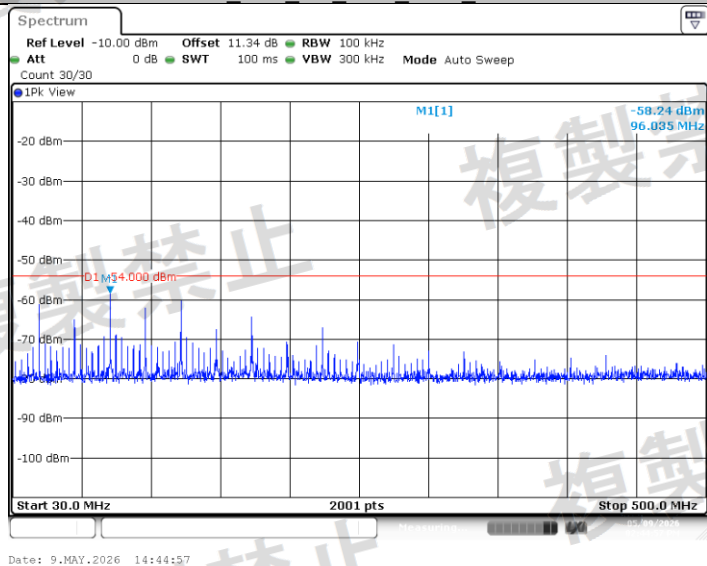
NTNV BLE 1M Ant1 2440 500~1000



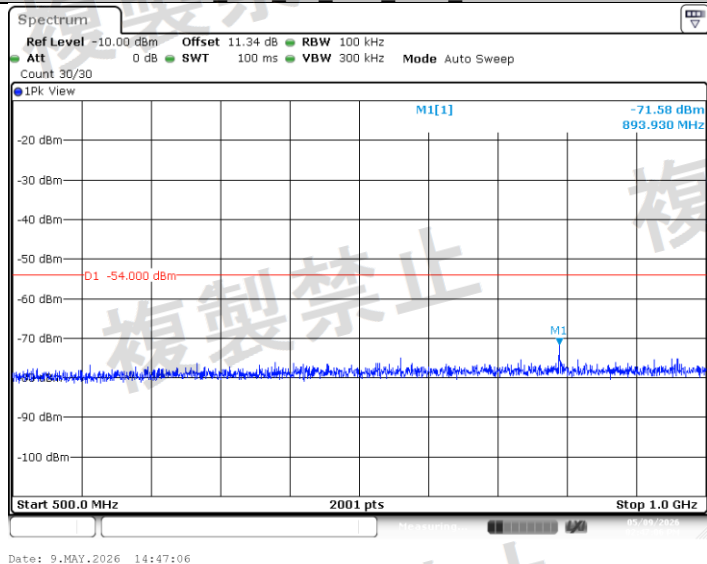
NTNV BLE 1M Ant1 2440 1000~12500



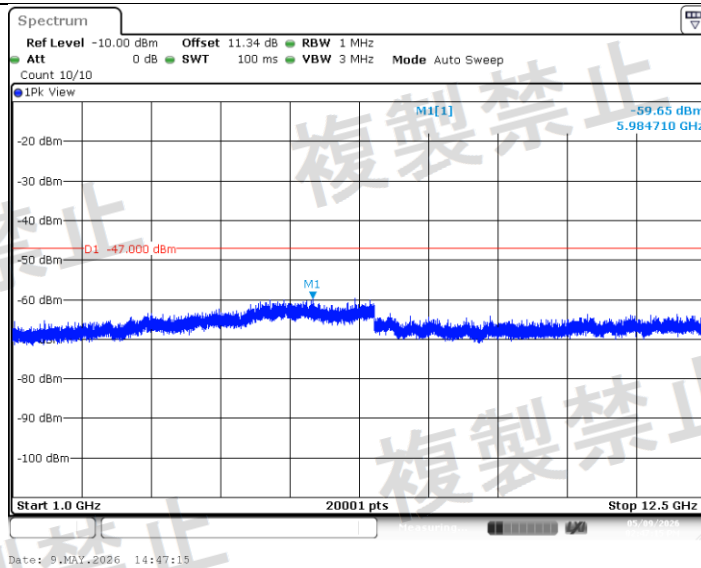
NTNV BLE 1M Ant1 2480 30~500



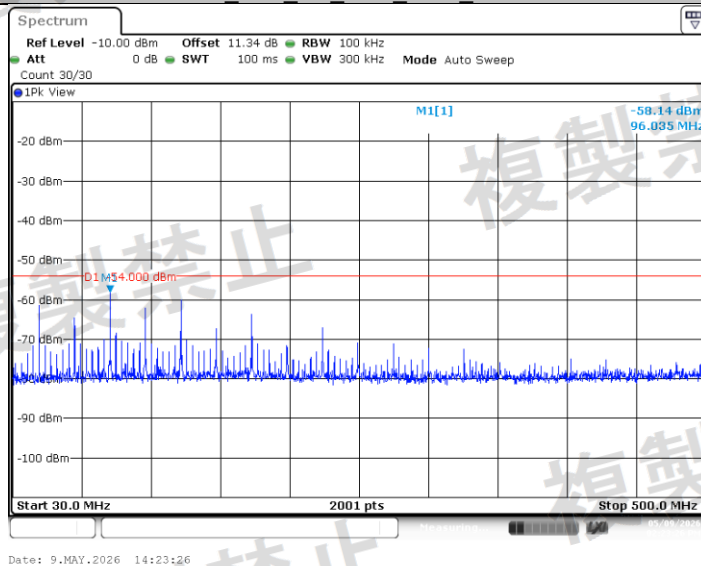
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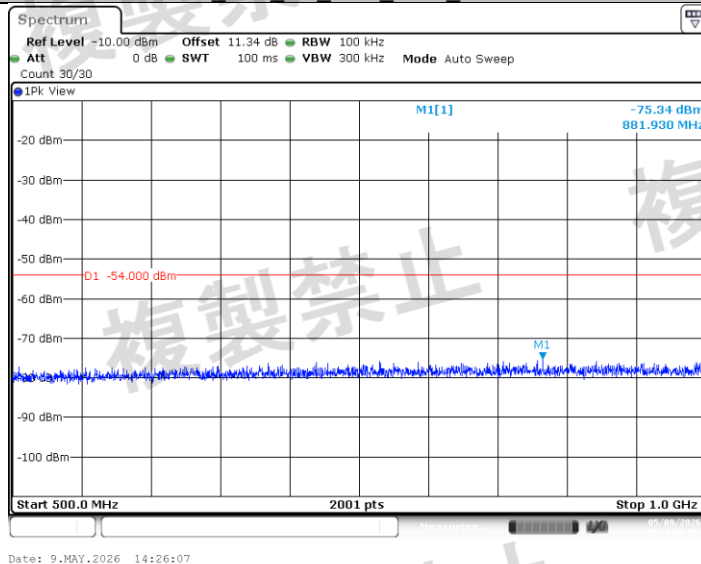
NTNV BLE 1M Ant1 2480 1000~12500



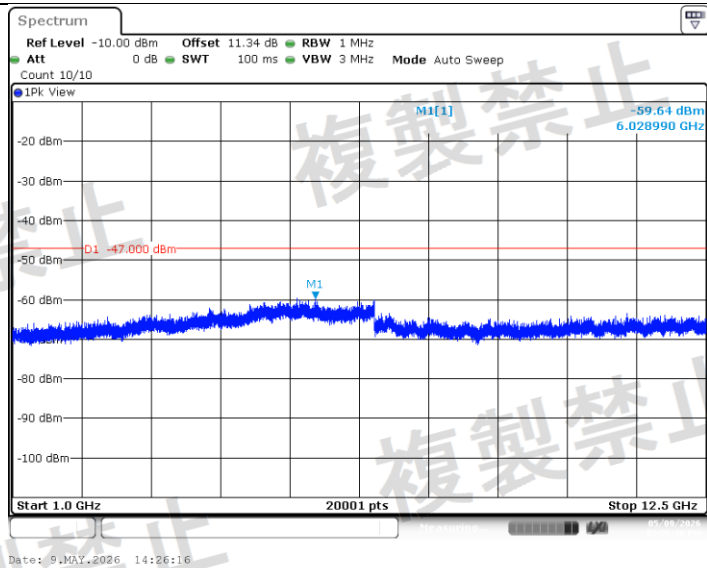
NTLV BLE 1M Ant1 2402_30~500



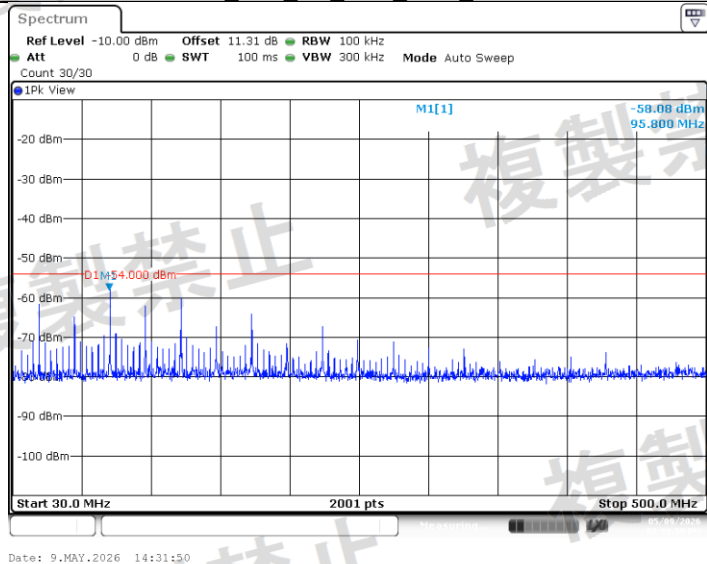
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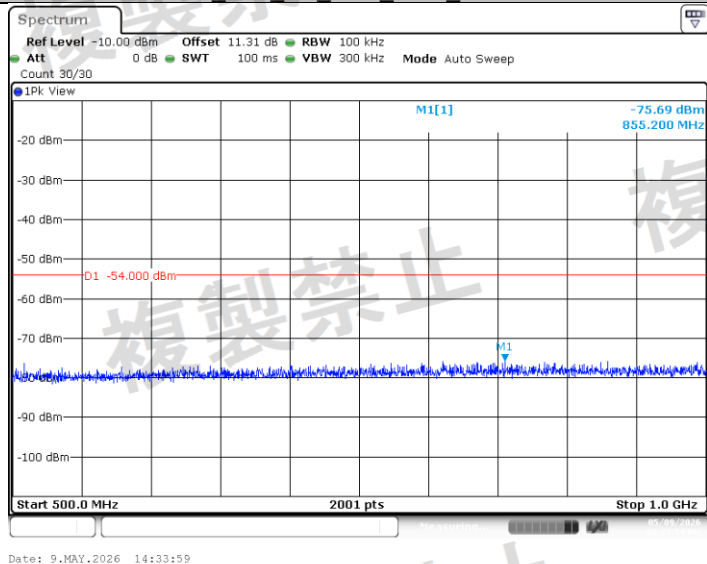
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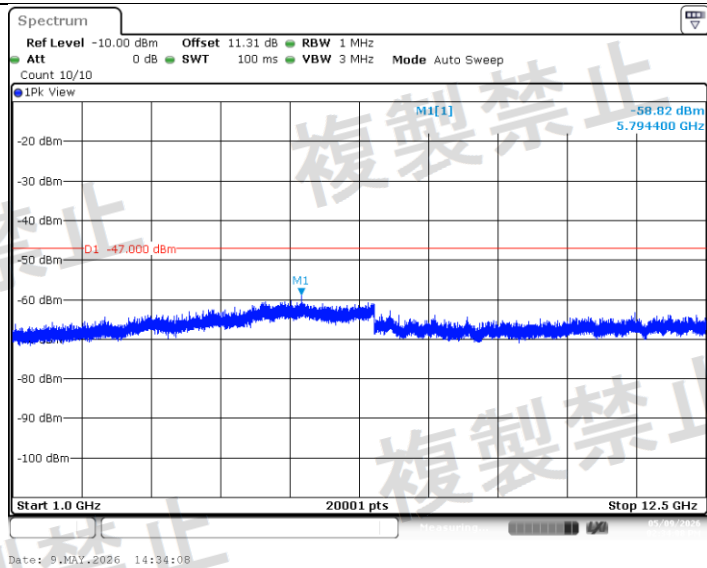
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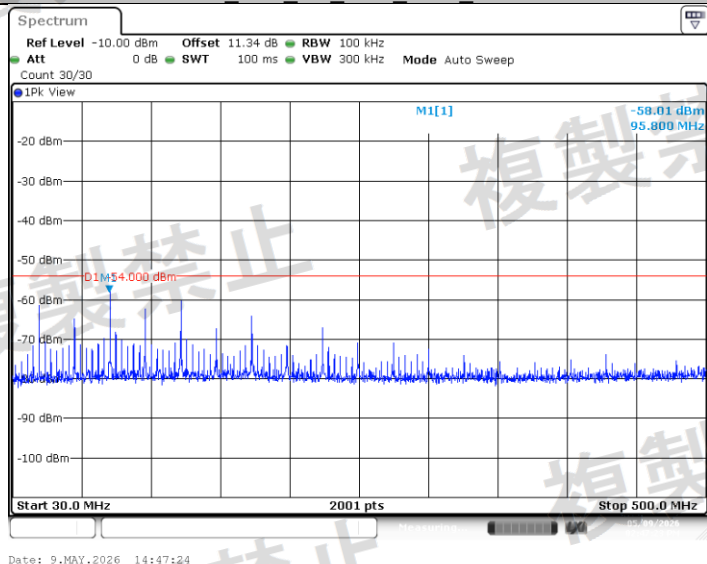
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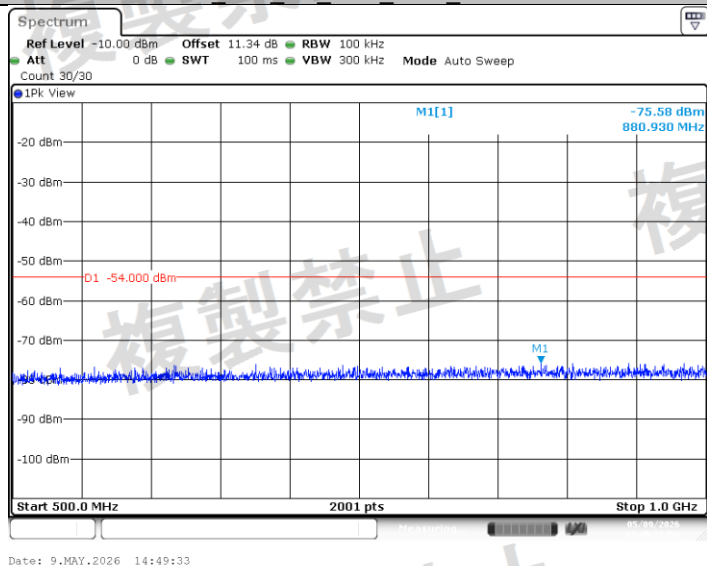
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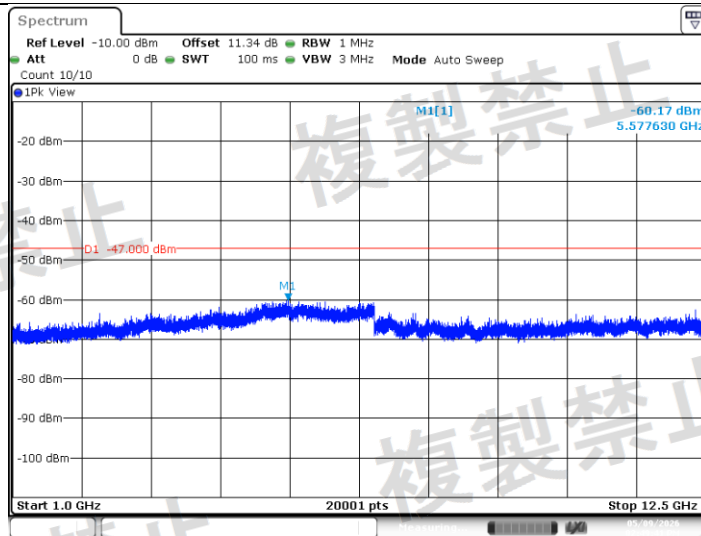
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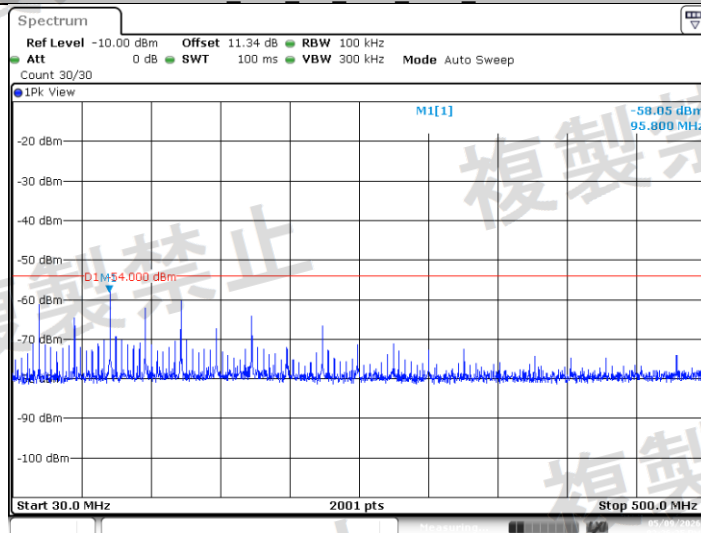
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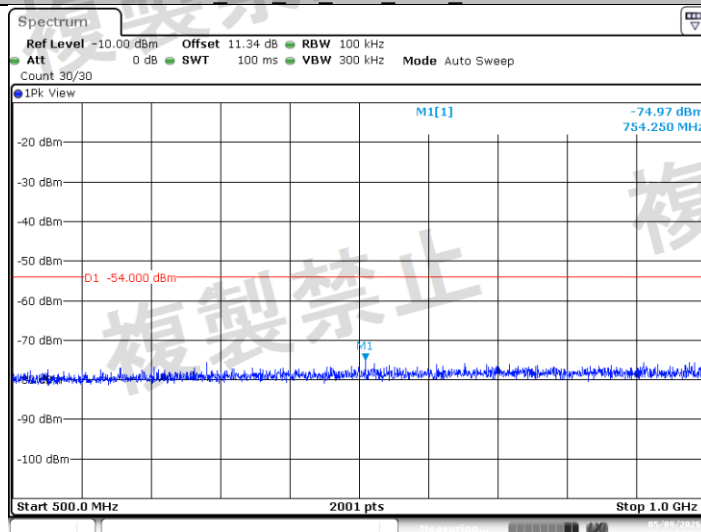
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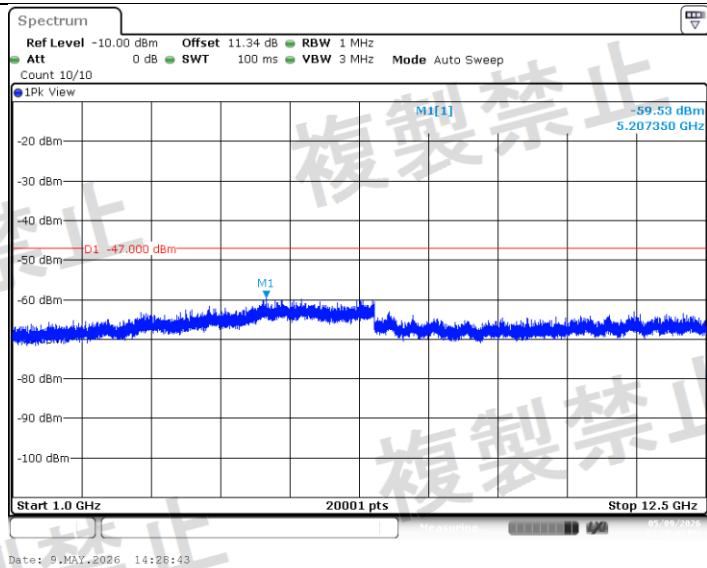
NTHV BLE_1M Ant1 2402 30~500



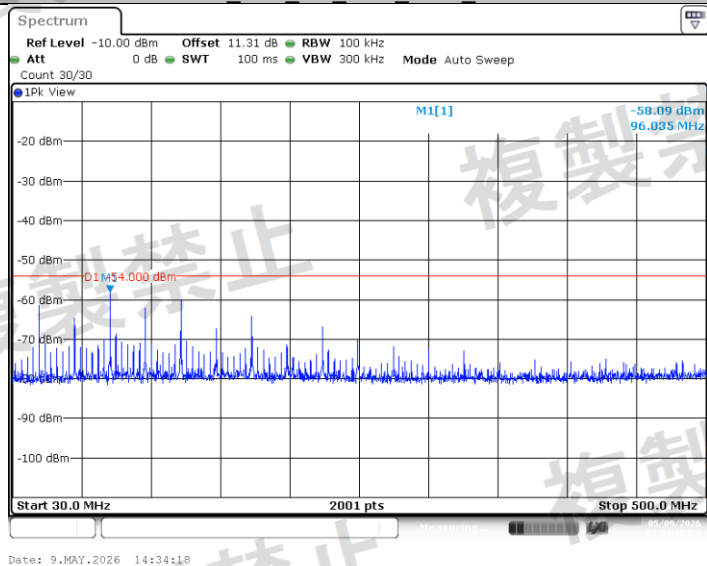
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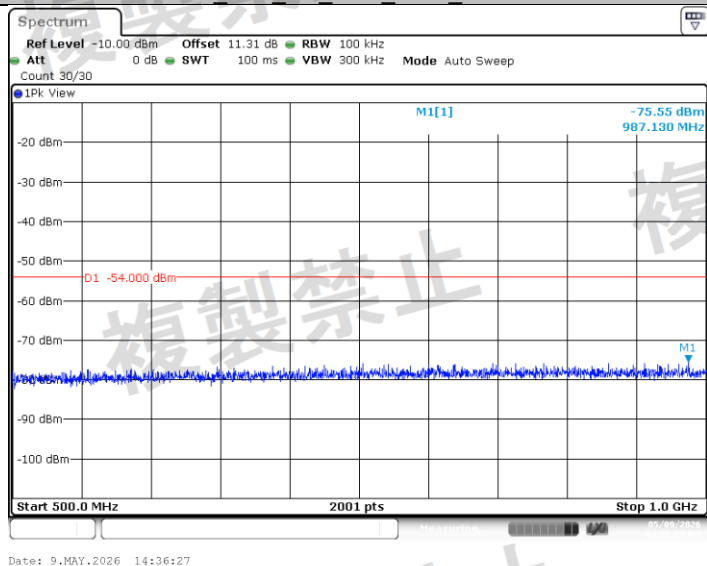
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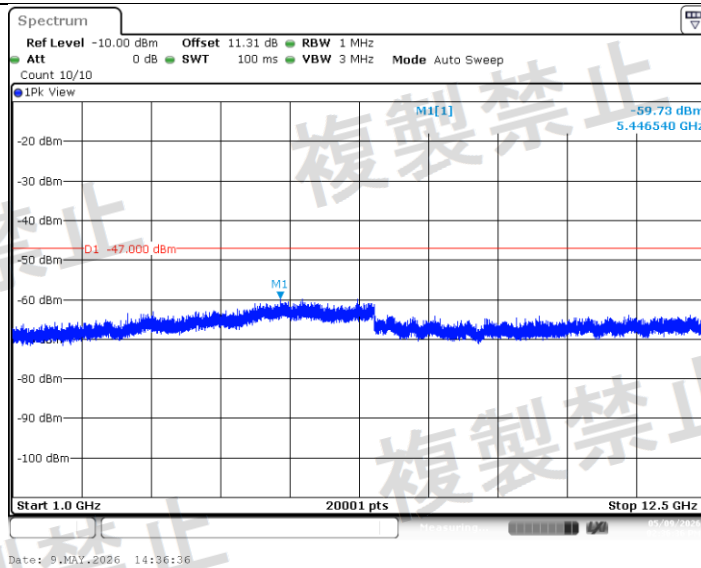
NTHV BLE_1M Ant1 2440_30~500



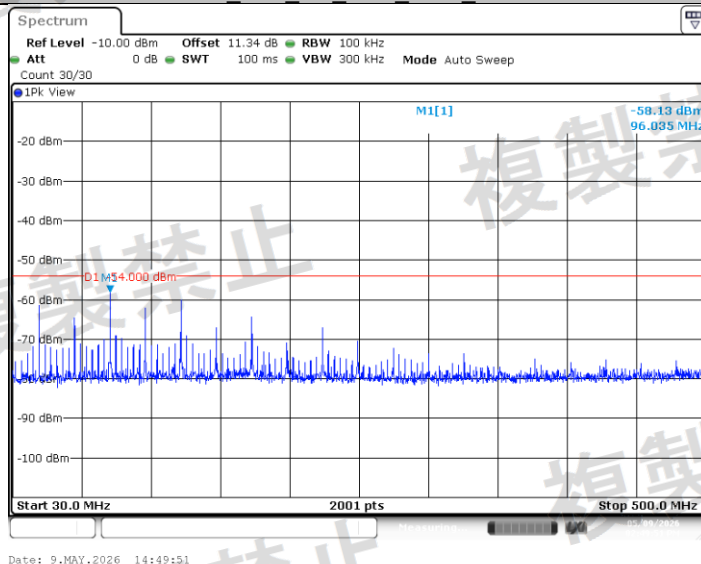
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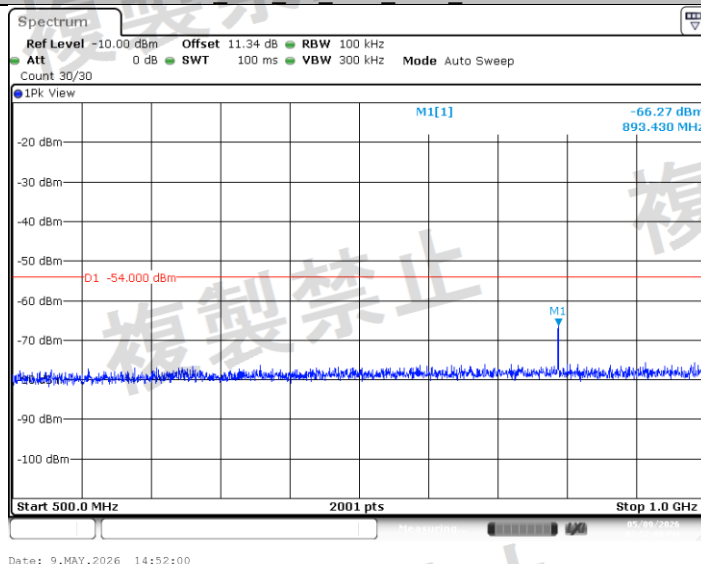
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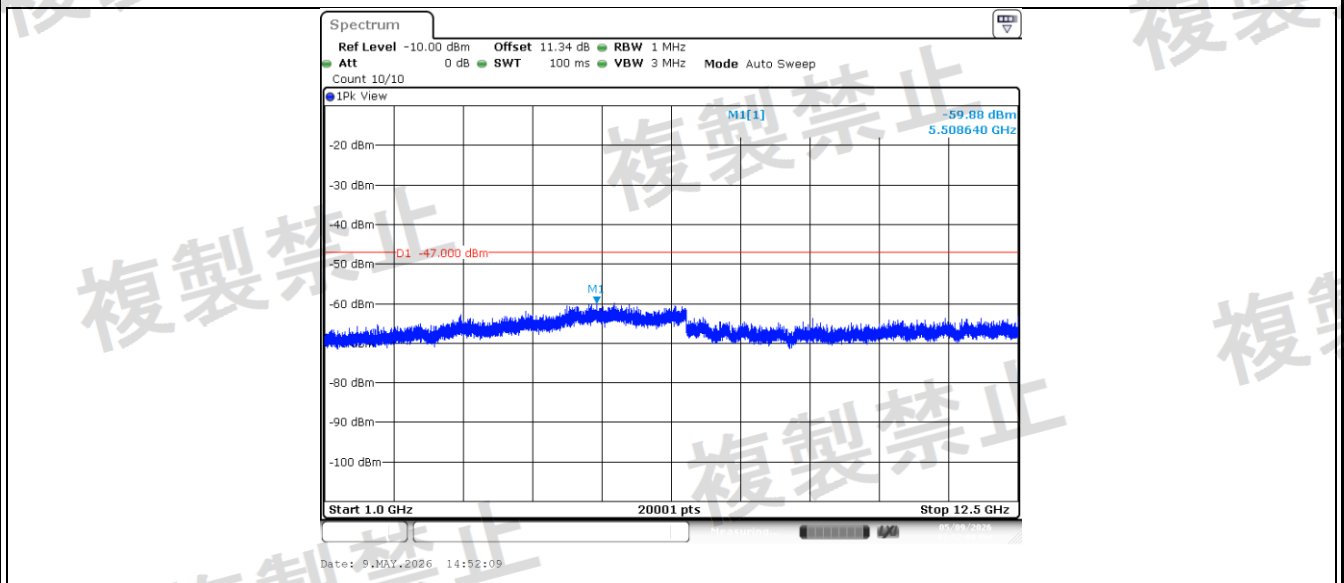
NTHV BLE 1M Ant1 2480 30~500



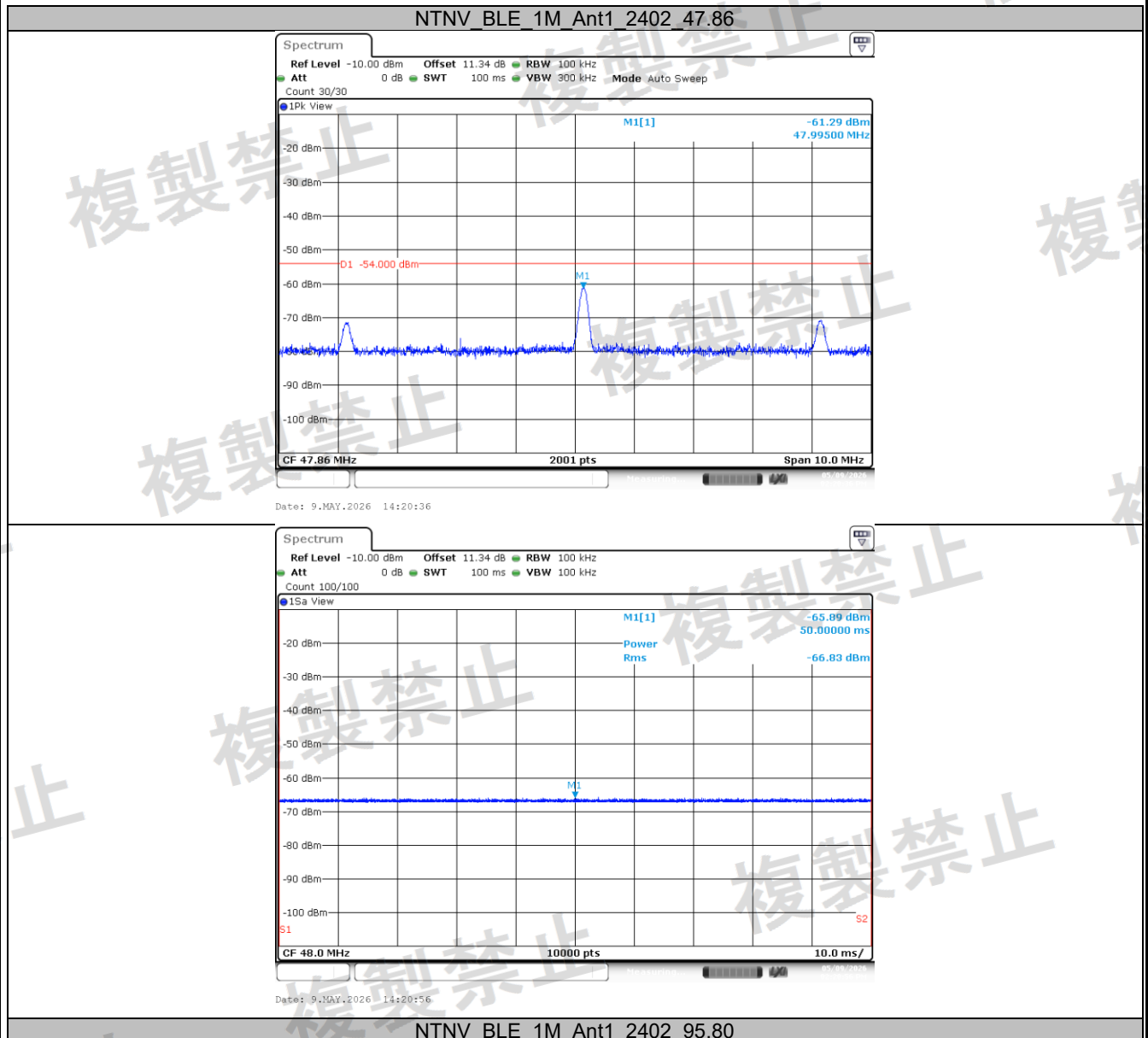
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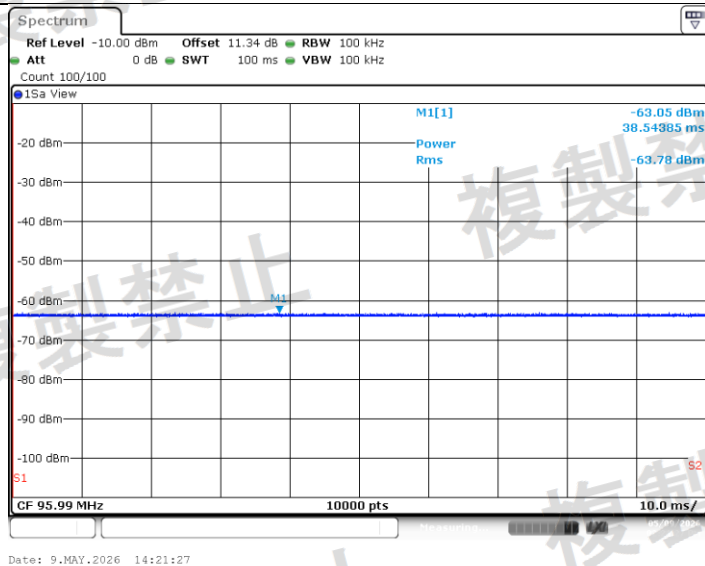
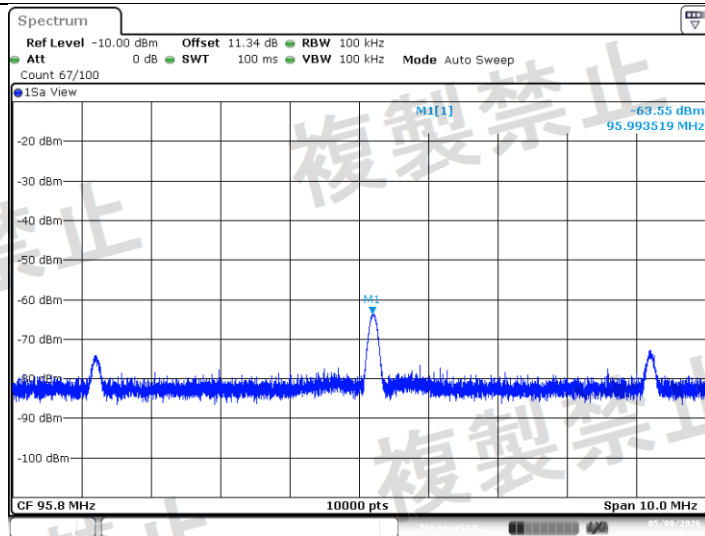


NTHV BLE 1M Ant1 2480 1000~12500

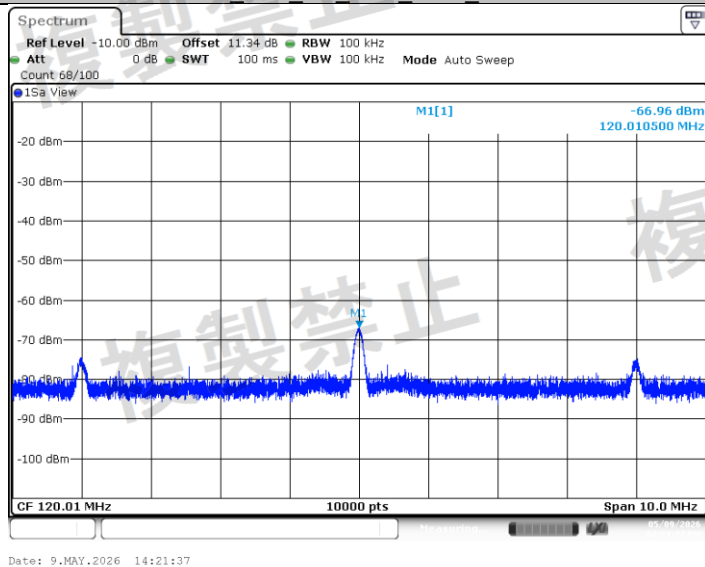


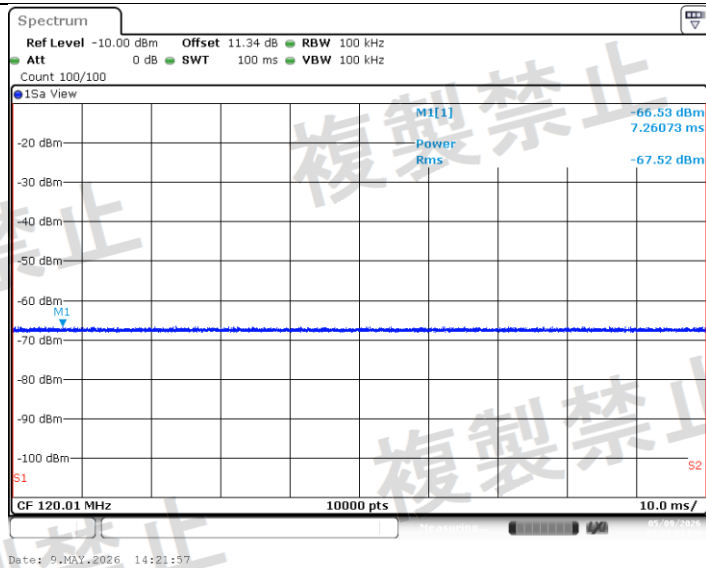
Test Graphs_Step2



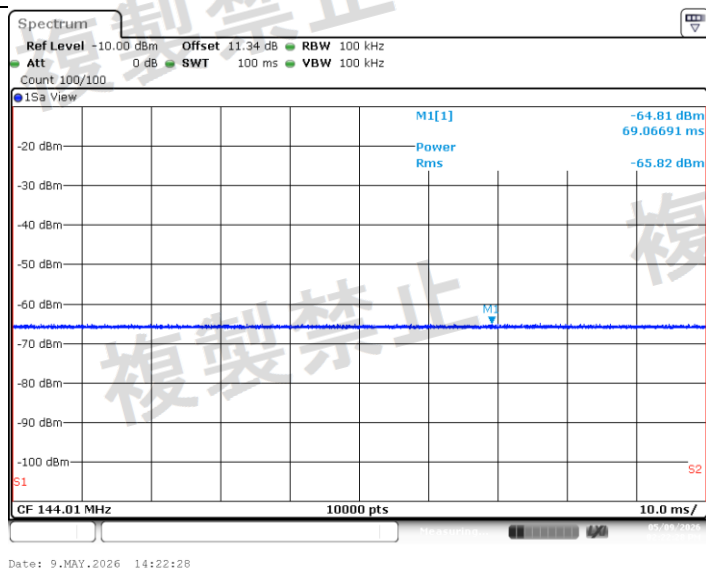
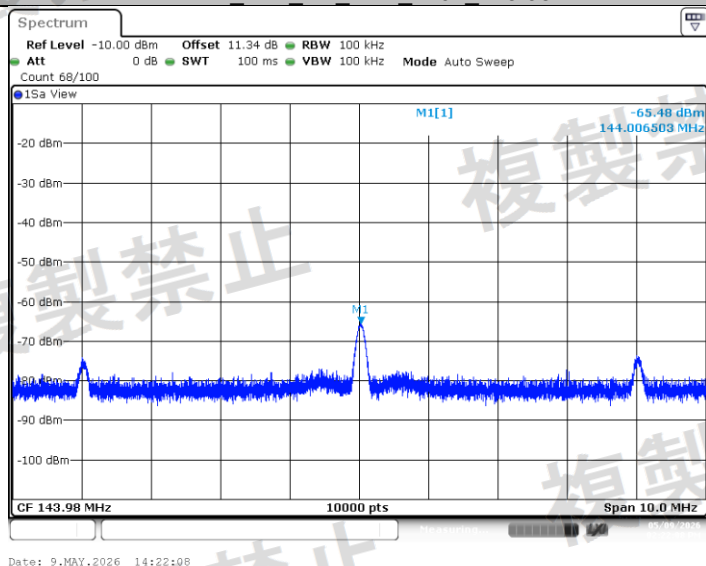


NTNV BLE 1M Ant1 2402 120.01

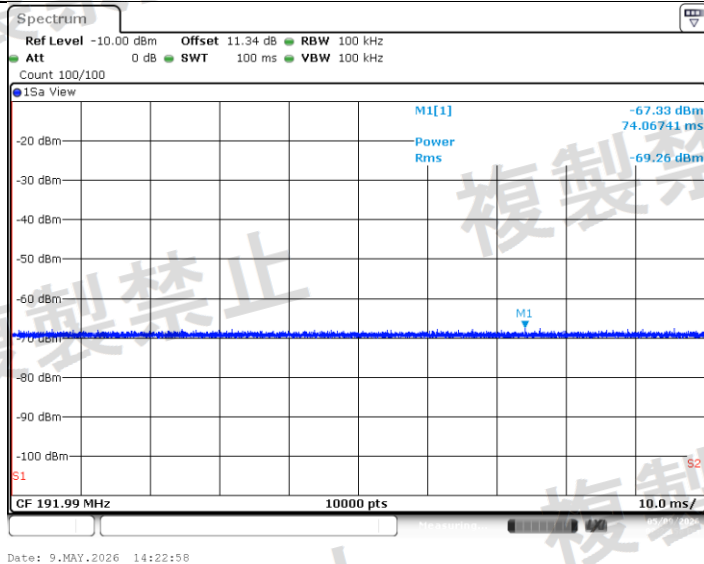
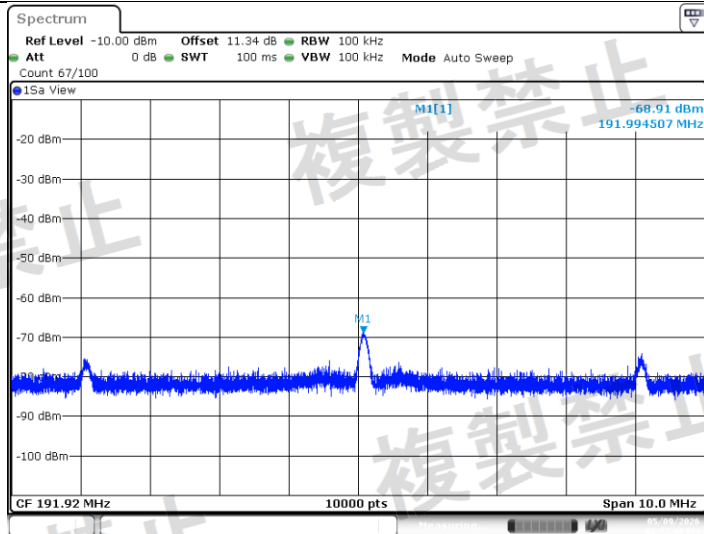




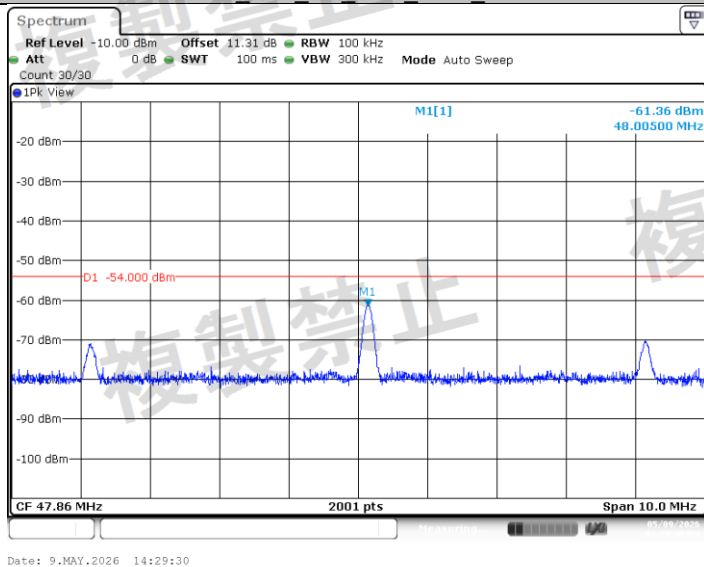
NTNV BLE 1M Ant1 2402 143.98

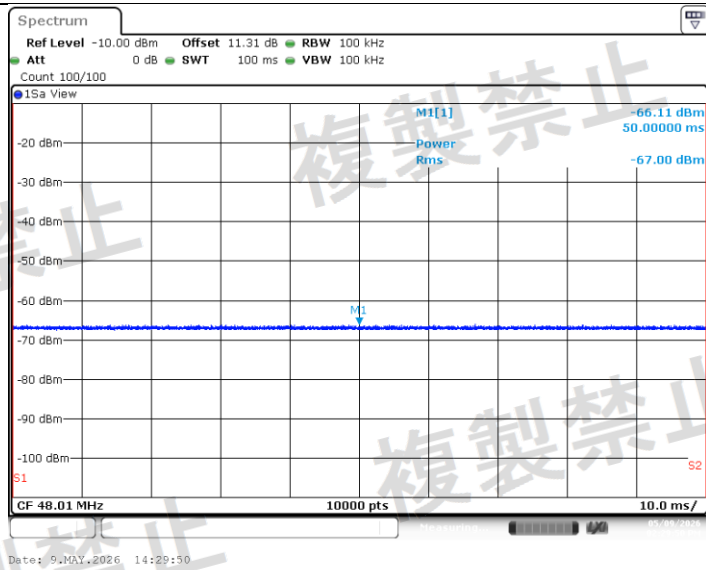


NTNV BLE 1M Ant1 2402 191.92

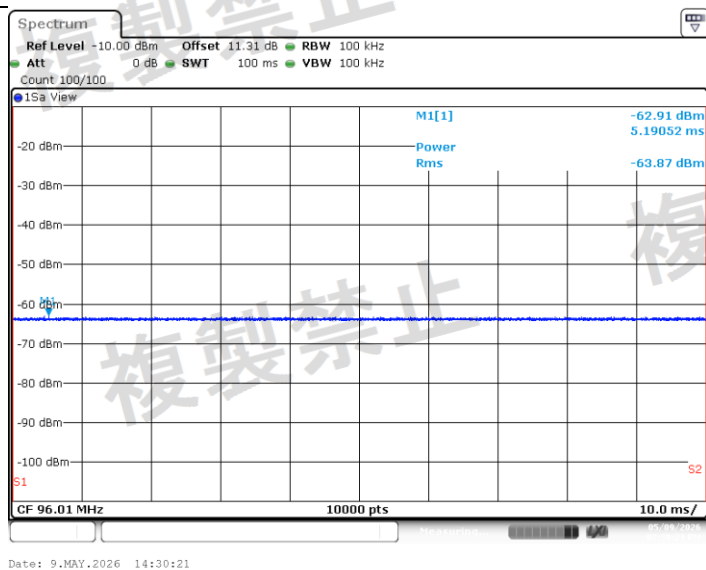
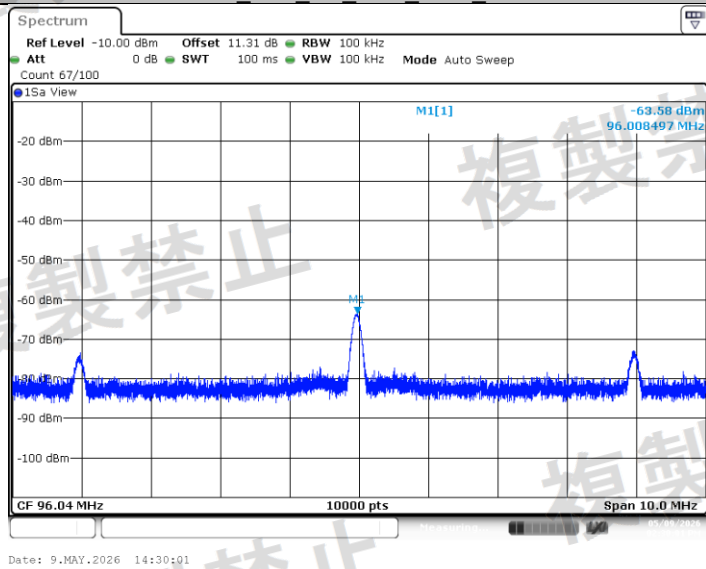


NTNV_BLE_1M_Ant1_2440_47.86

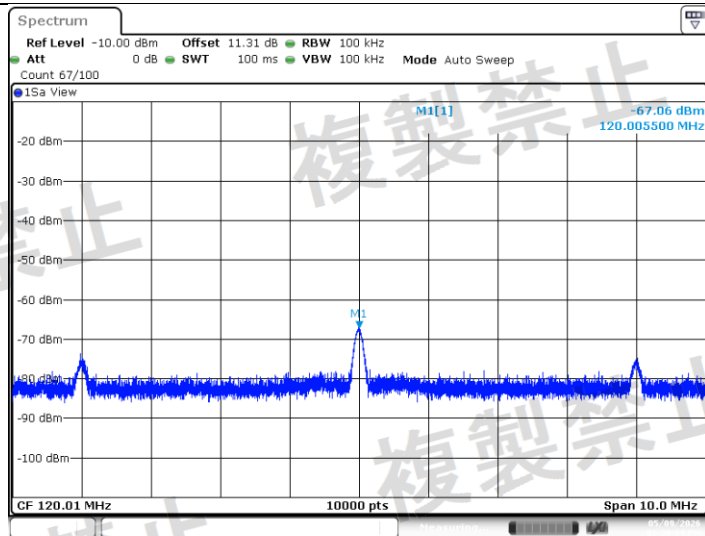




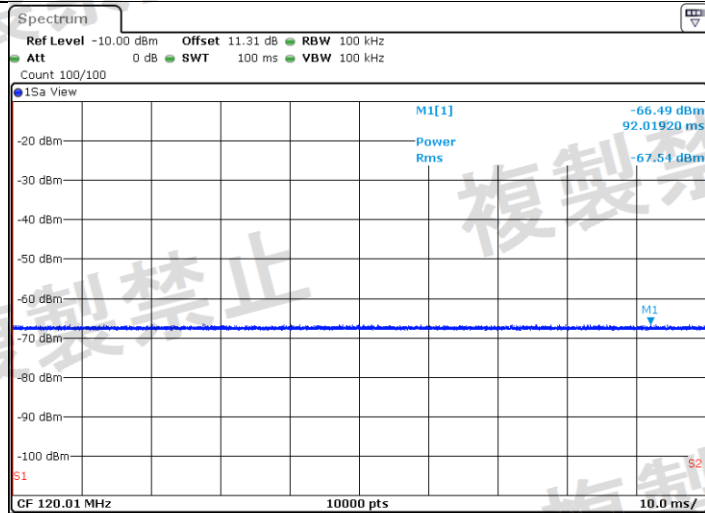
NTNV BLE 1M Ant1 2440 96.04



NTNV BLE 1M Ant1 2440 120.01

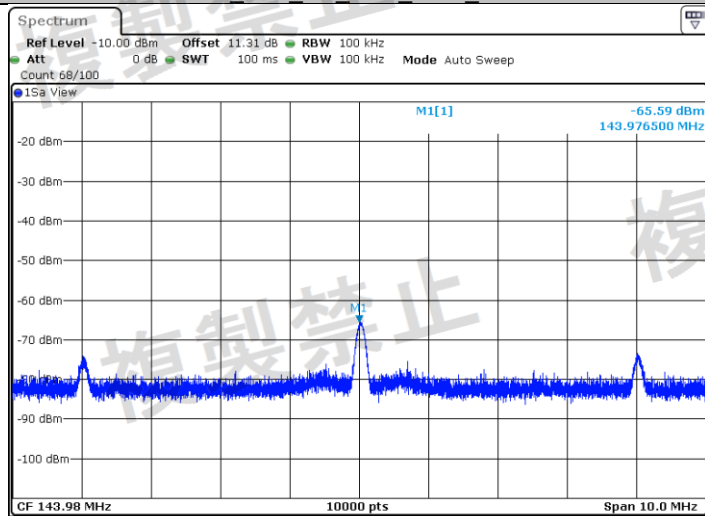


Date: 9.MAY.2026 14:30:31

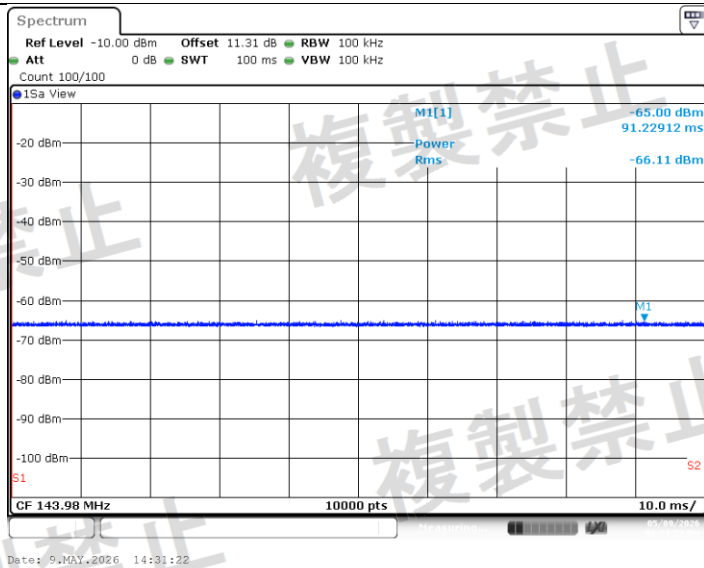


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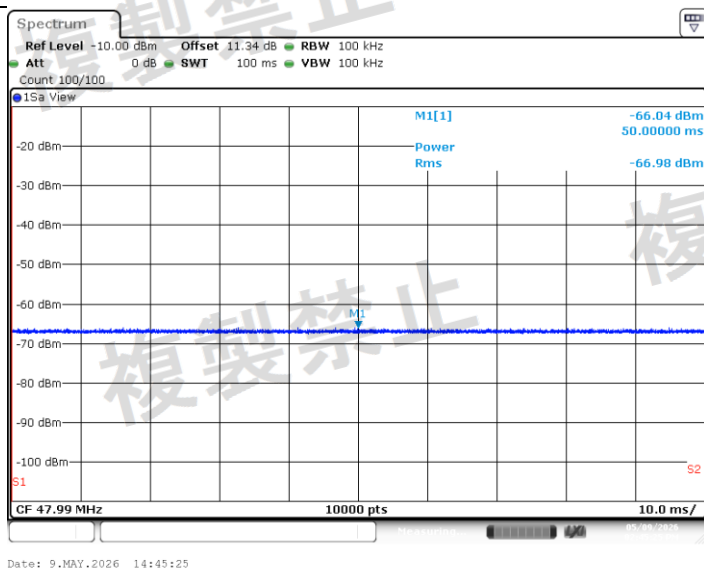
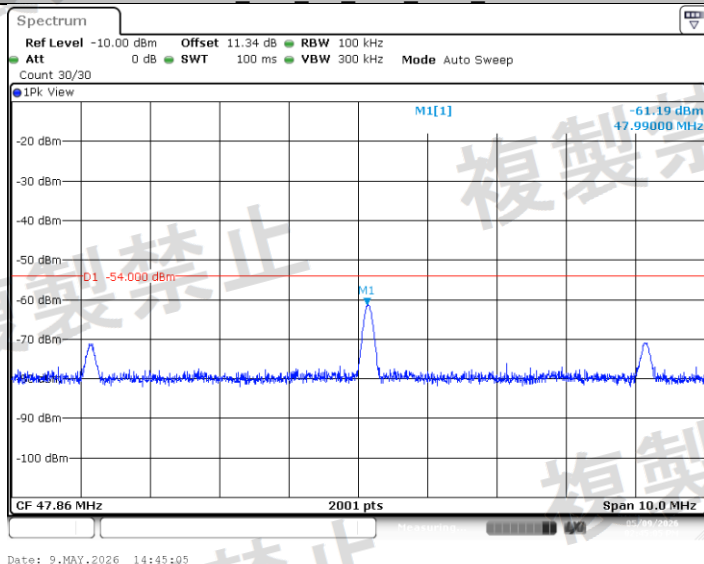
NTNV BLE 1M Ant1 2440 143.98



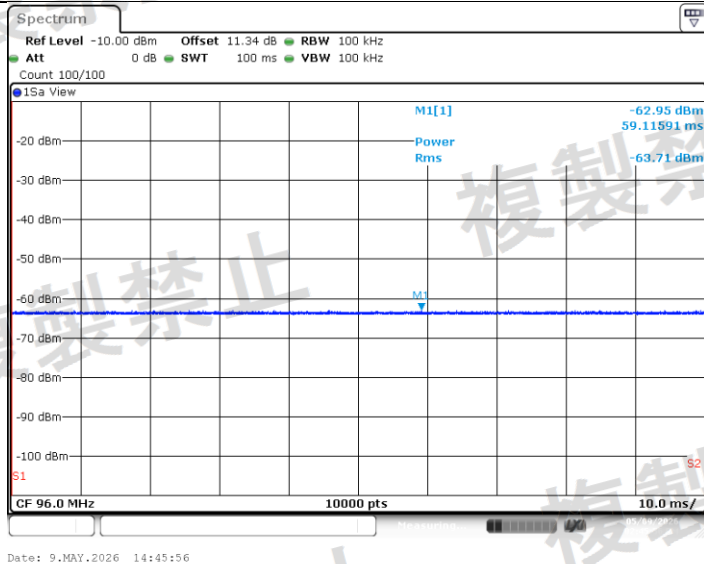
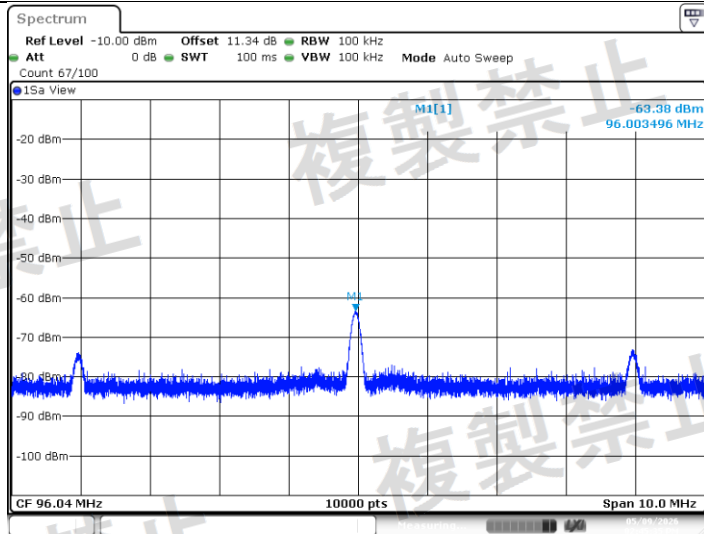
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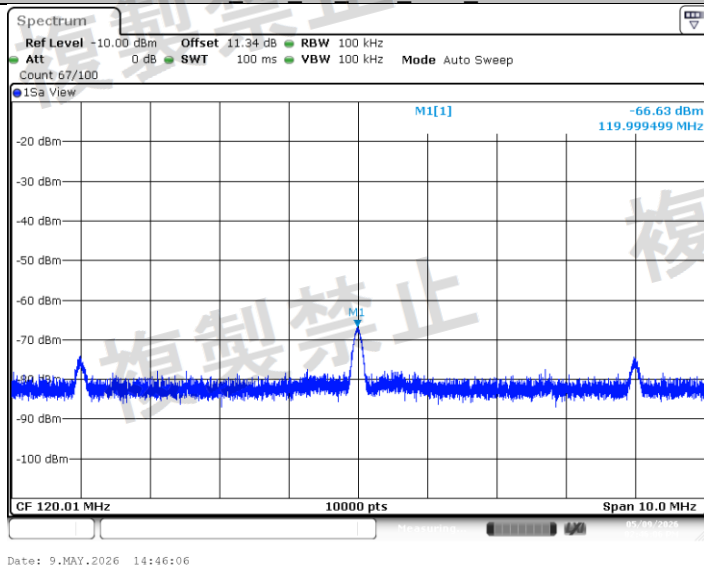
NTNV_BLE_1M_Ant1_2480_47.86

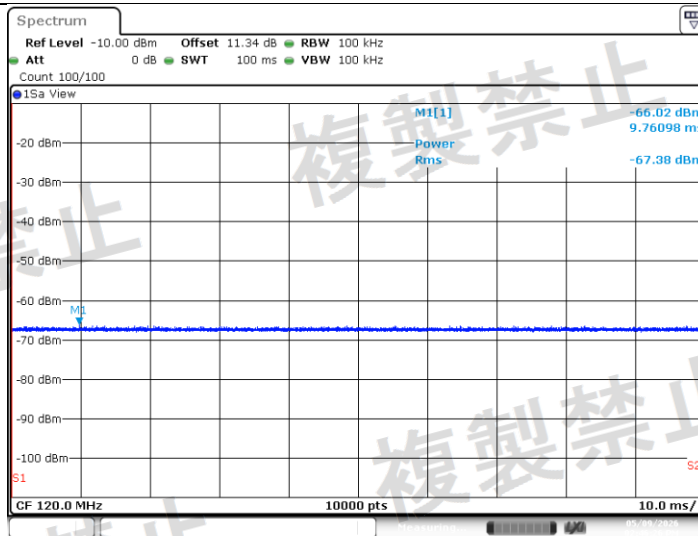


NTNV_BLE_1M_Ant1_2480_96.04



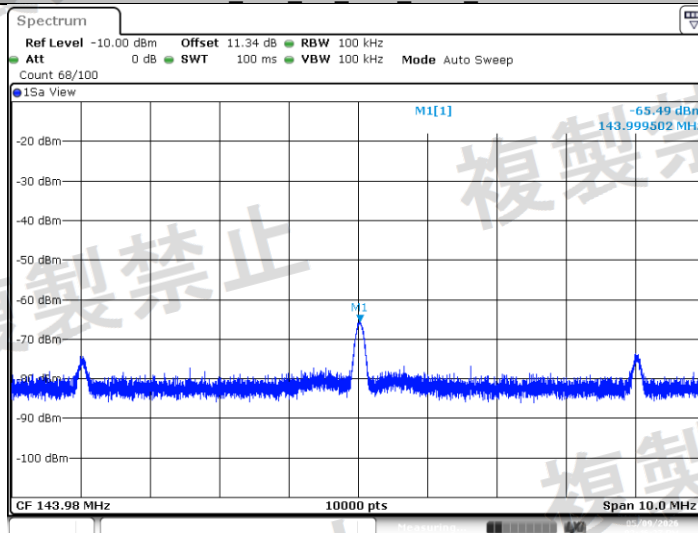
NTNV BLE 1M Ant1 2480 120.01



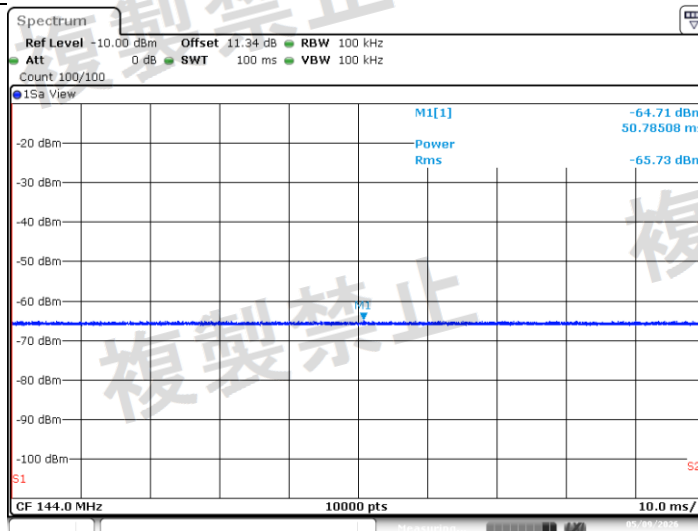


Date: 9.MAY.2026 14:46:26

NTNV BLE 1M Ant1 2480 143.98

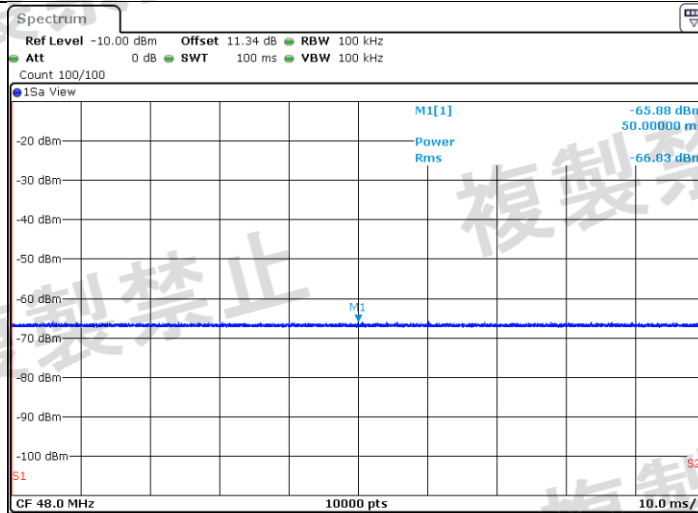
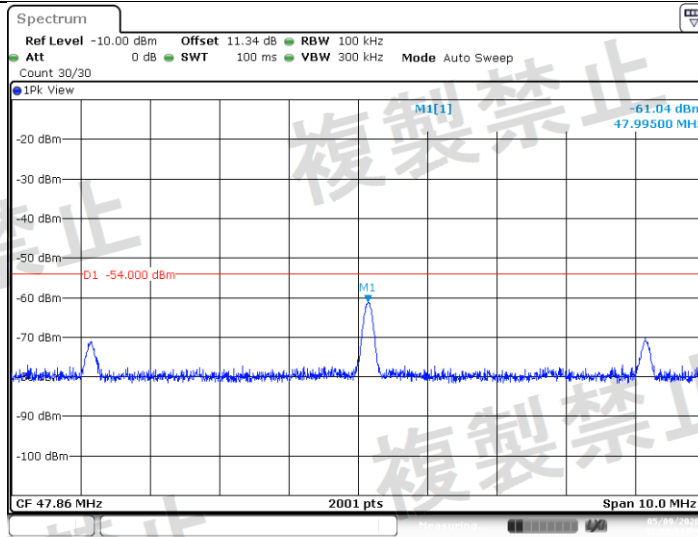


Date: 9.MAY.2026 14:46:37

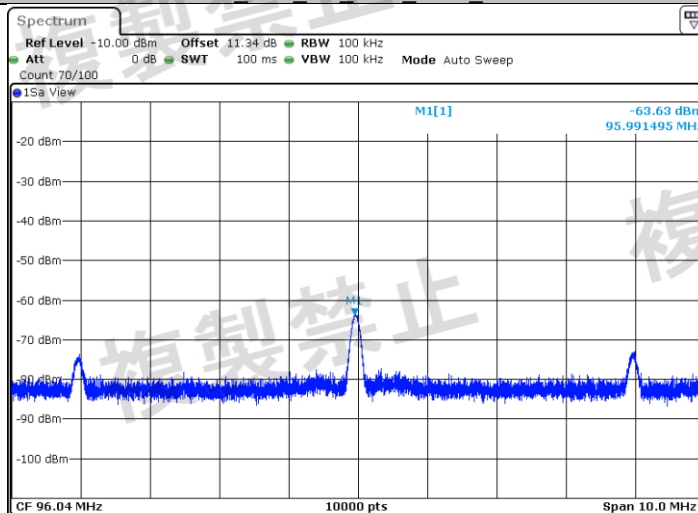


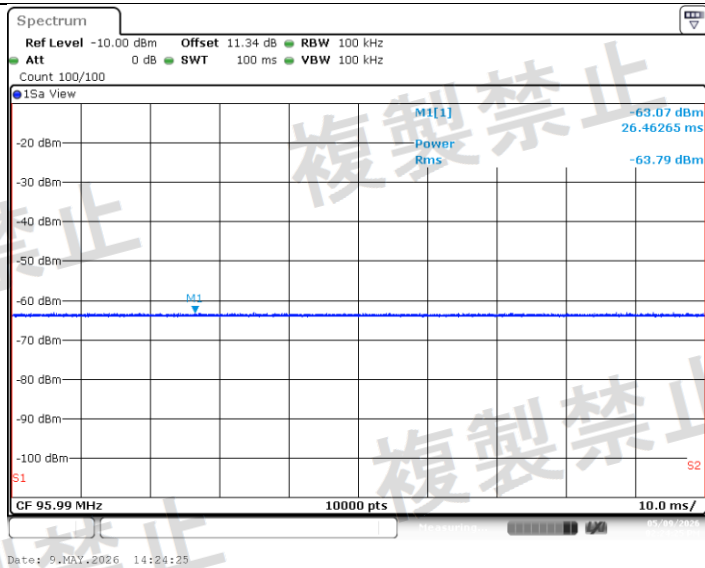
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NTLV BLE 1M Ant1 2402 47.86

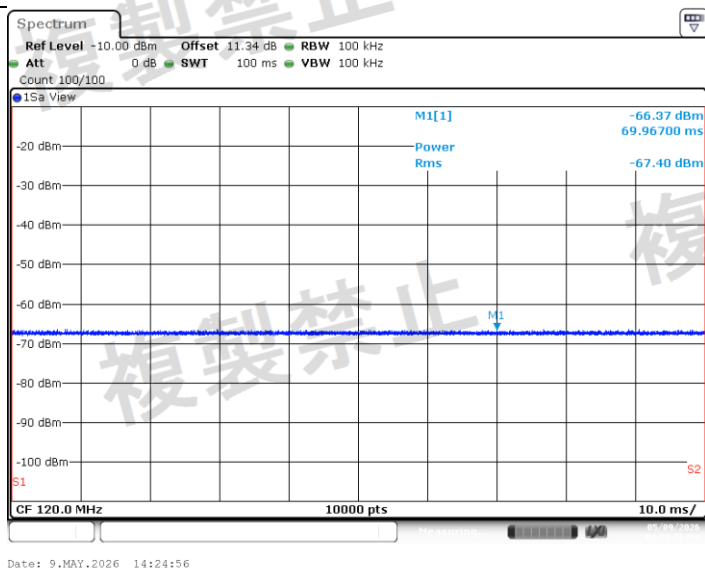
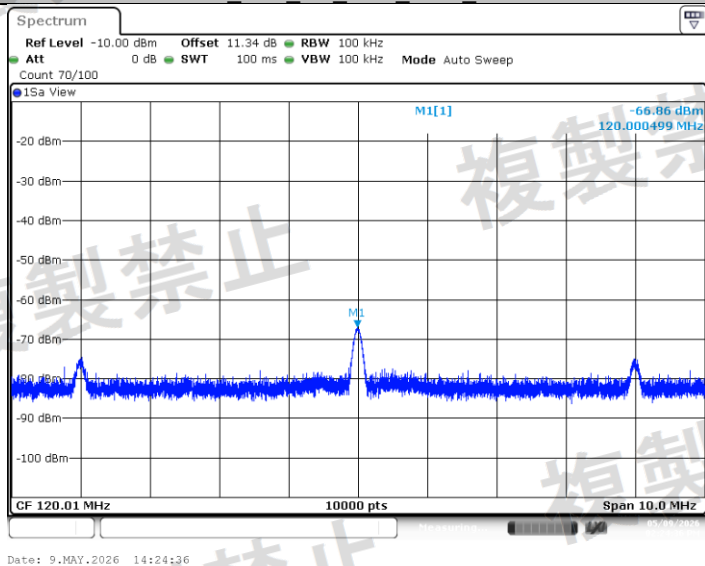


NTLV_BLE_1M_Ant1_2402_96.04

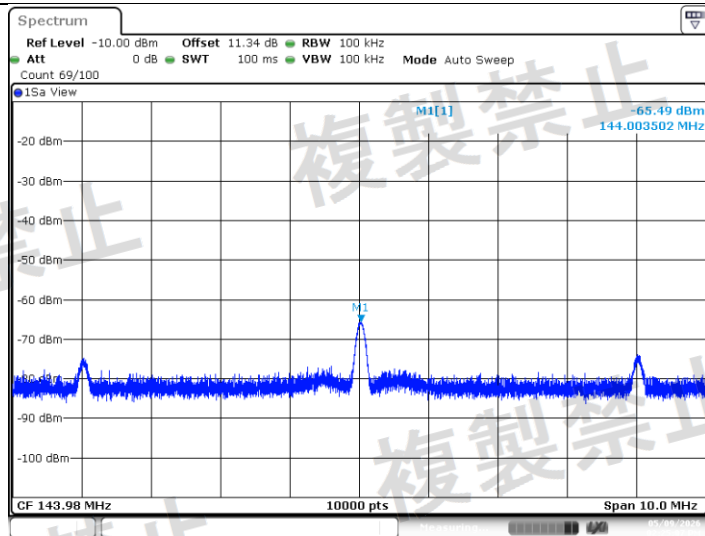




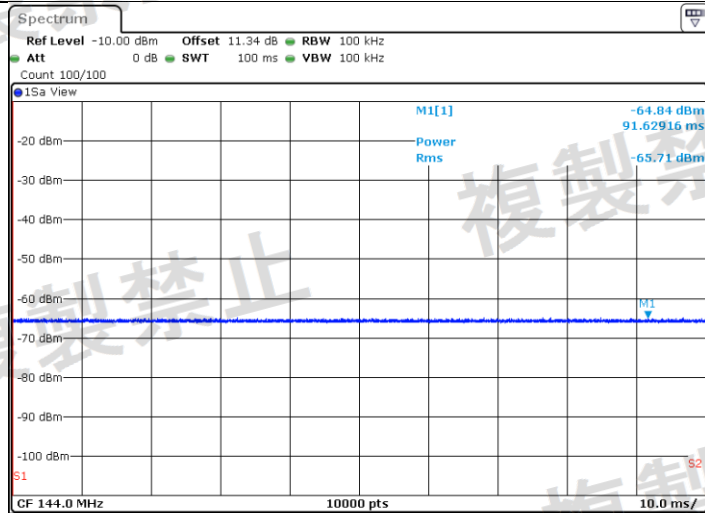
NTLV BLE_1M_Ant1_2402_120.01



NTLV BLE_1M_Ant1_2402_143.98

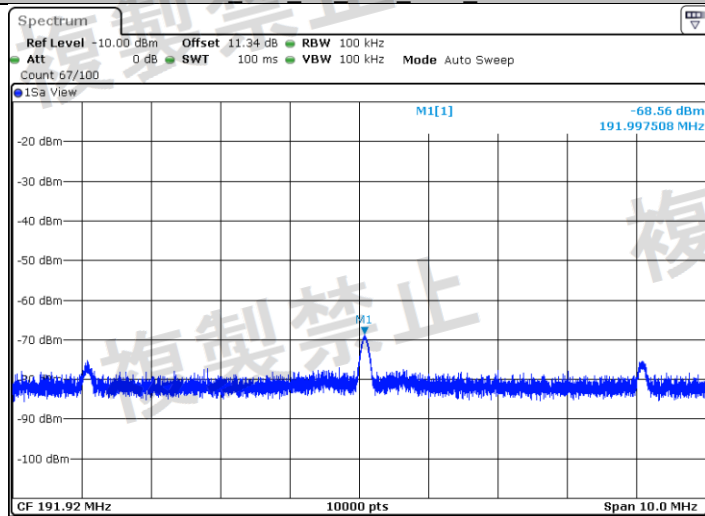


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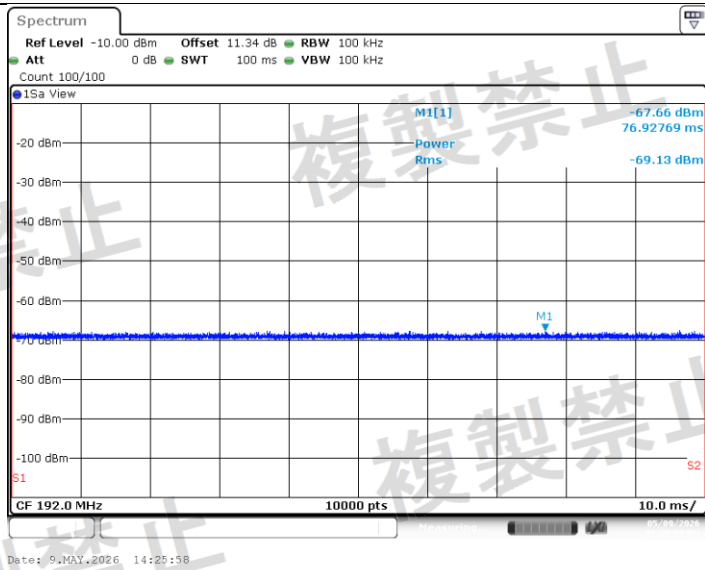


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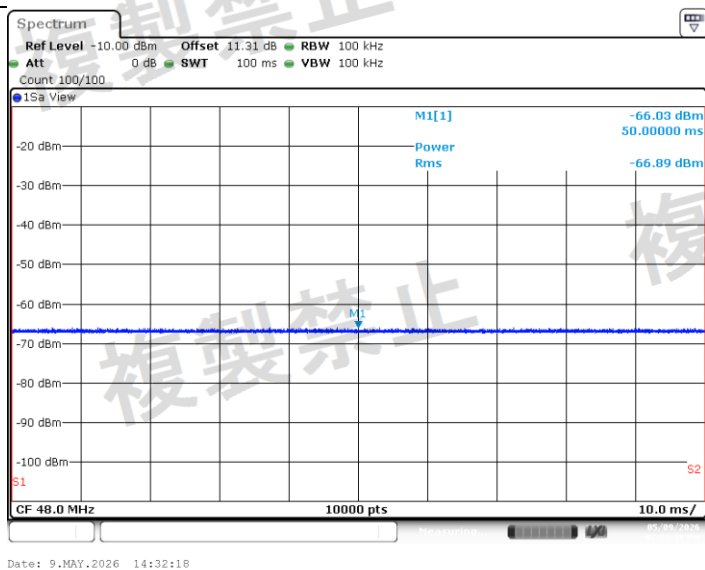
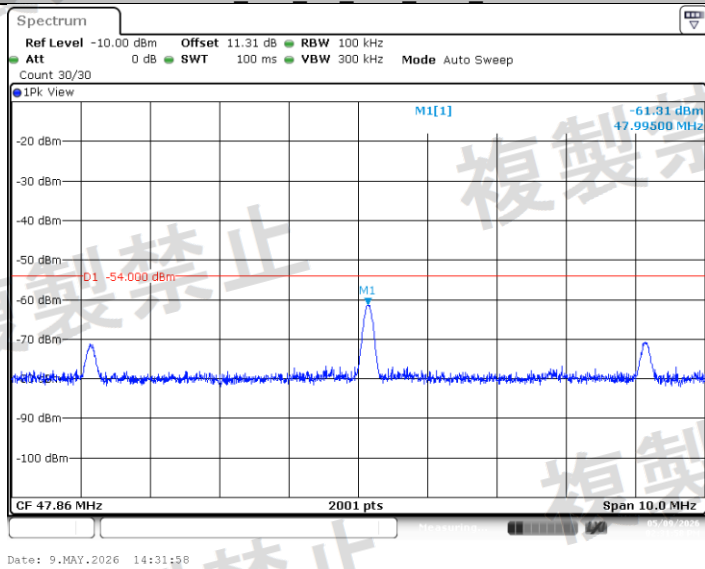
NTLV_BLE_1M_Ant1_2402_191.92



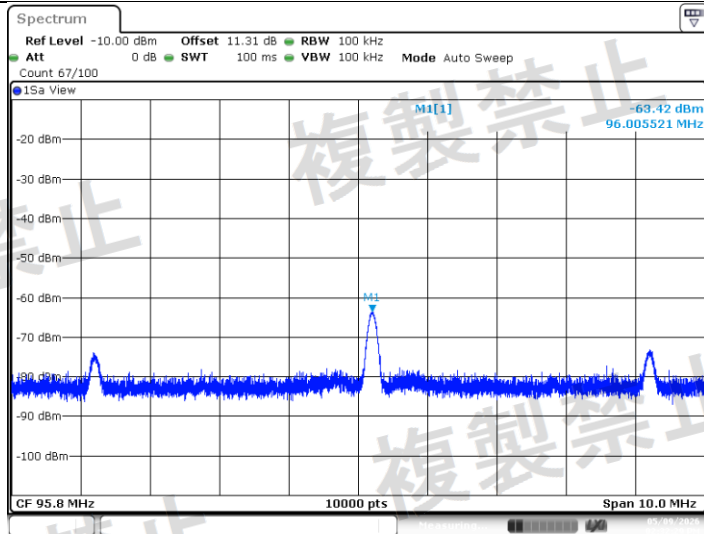
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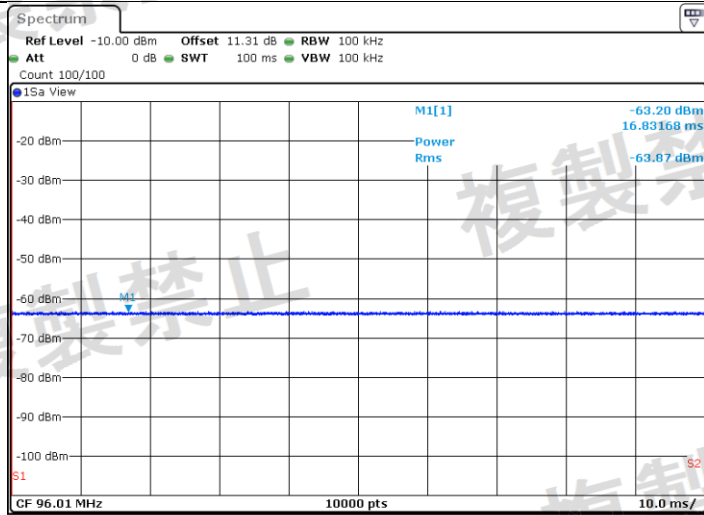
NTLV BLE 1M Ant1 2440 47.86



NTLV BLE 1M Ant1 2440 95.80

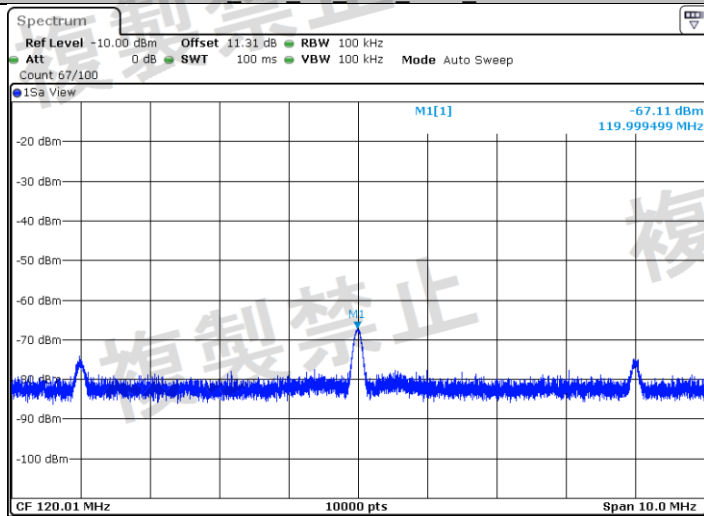


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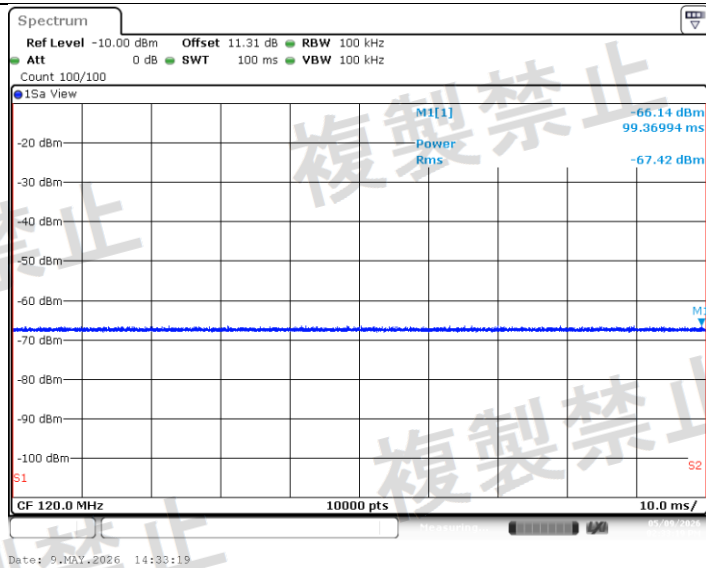


Date: 9.MAY.2026 14:32:49

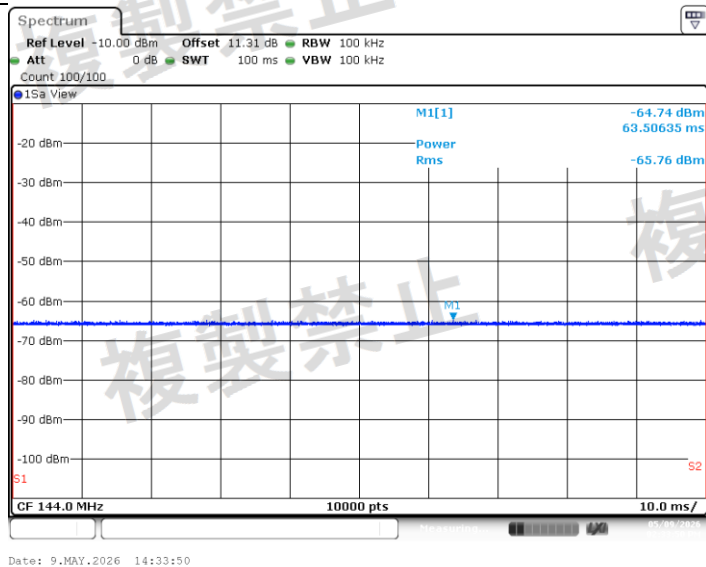
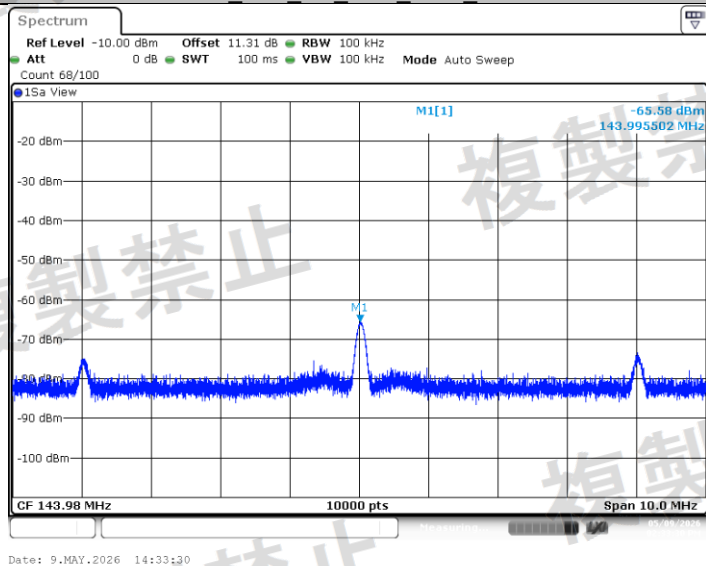
NTLV_BLE_1M_Ant1_2440_120.01



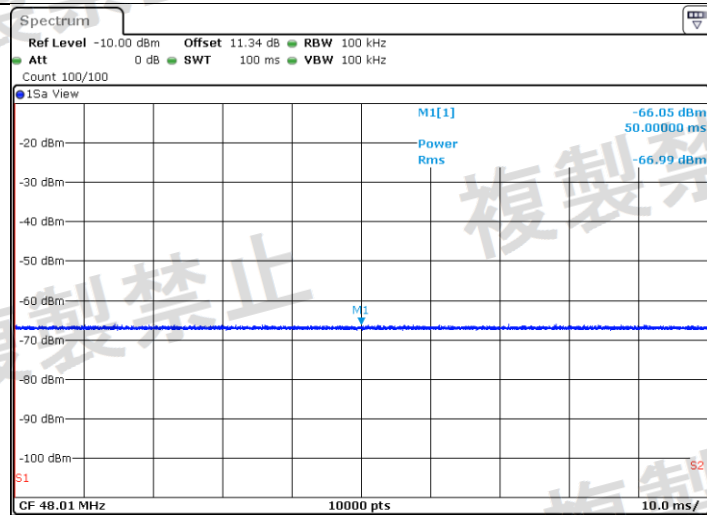
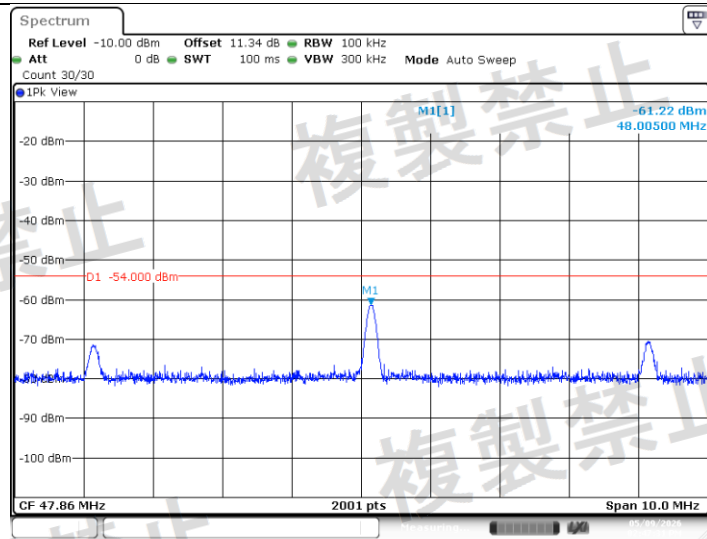
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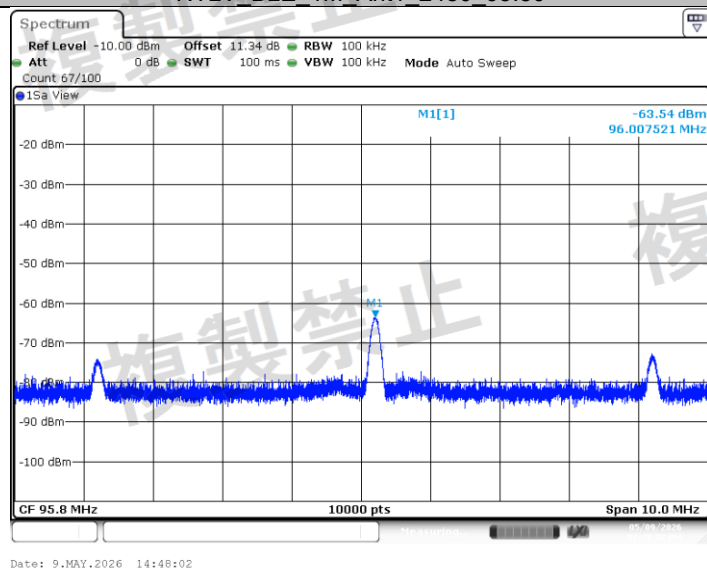
NTLV BLE 1M Ant1 2440 143.98

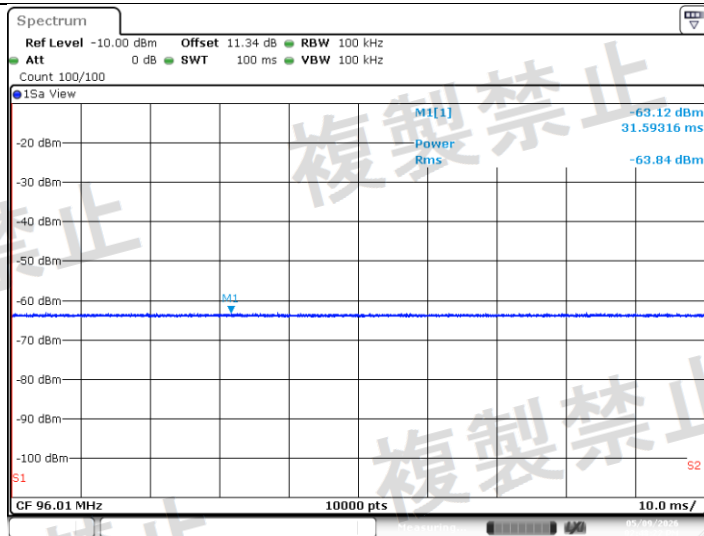


NTLV BLE 1M Ant1 2480 47.86



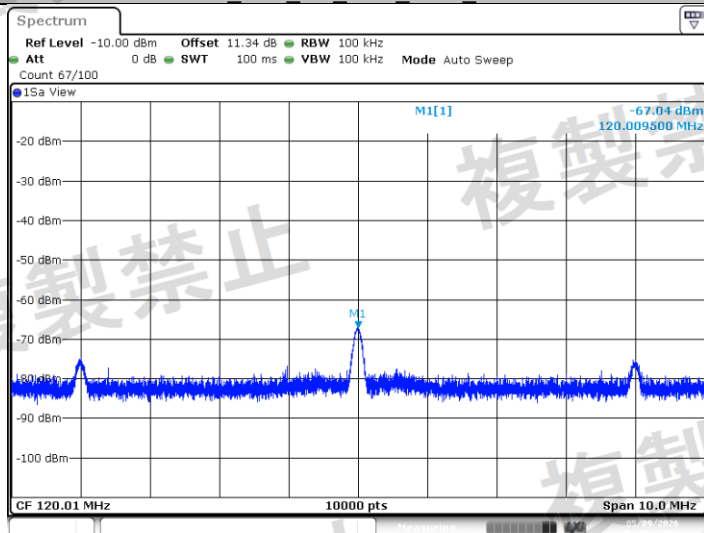
NTLV BLE 1M Ant1 2480 95.80



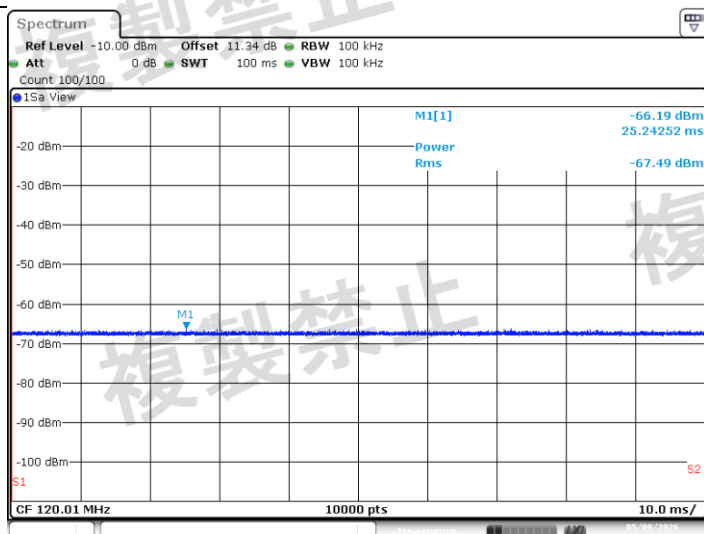


Date: 9.MAY.2026 14:48:22

NTLV BLE 1M Ant1 2480 120.01

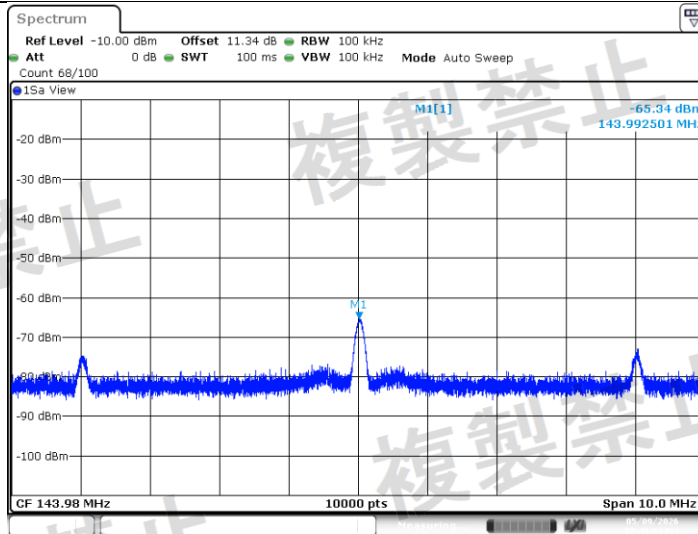


Date: 9.MAY.2026 14:48:33

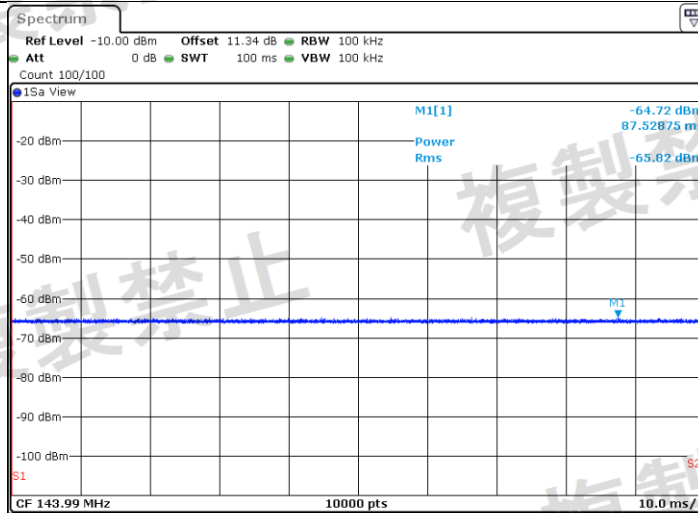


Date: 9.MAY.2026 14:48:53

NTLV BLE 1M Ant1 2480 143.98

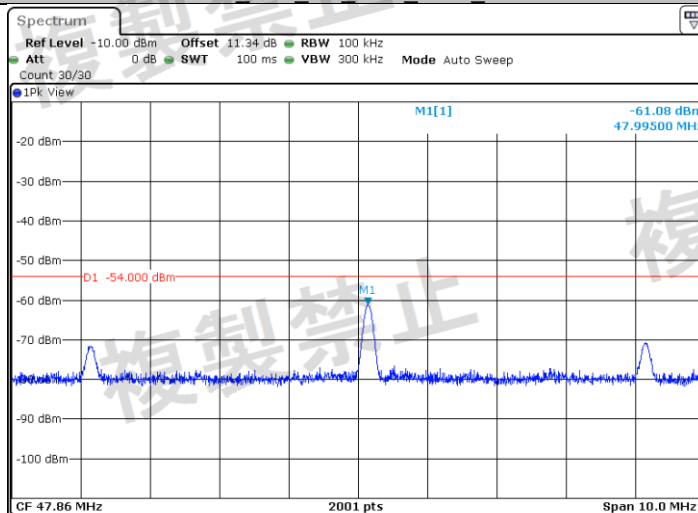


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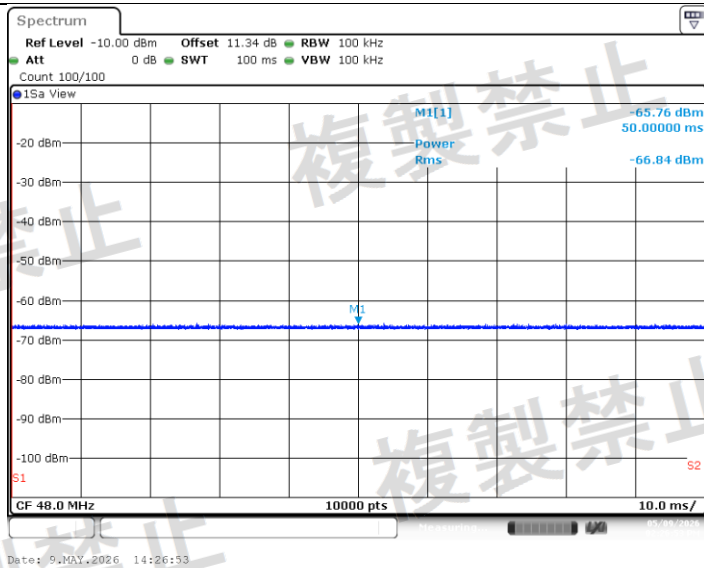


Date: 9.MAY.2026 14:49:24

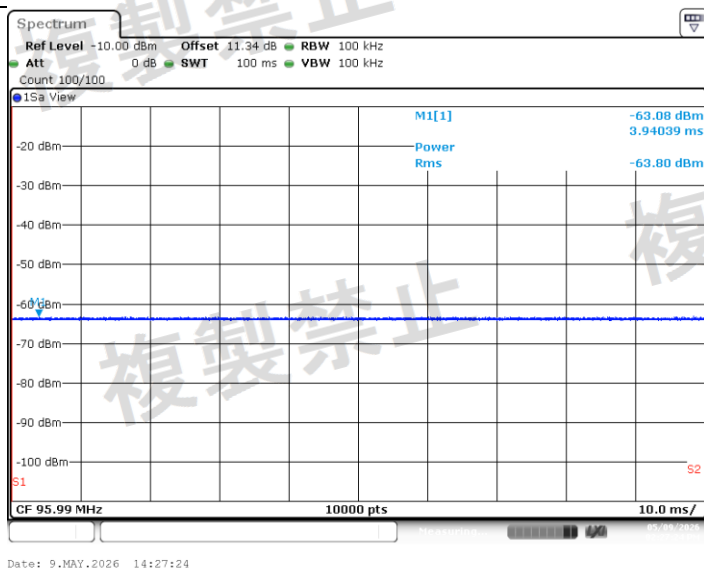
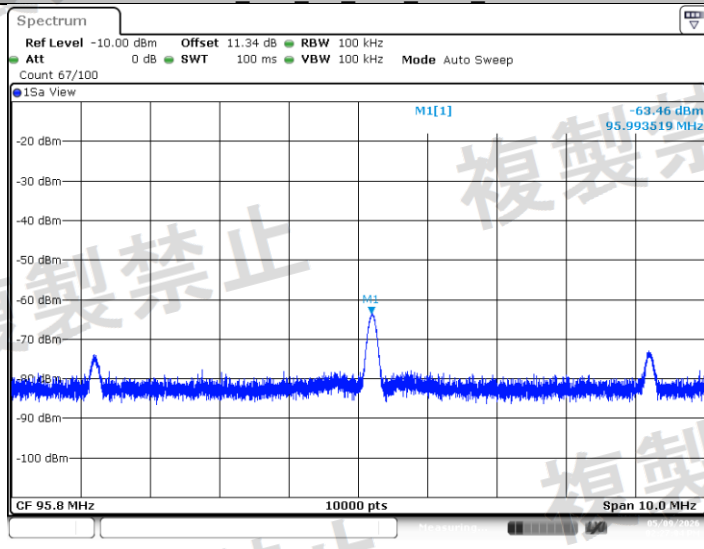
NTHV_BLE_1M_Ant1_2402_47.86



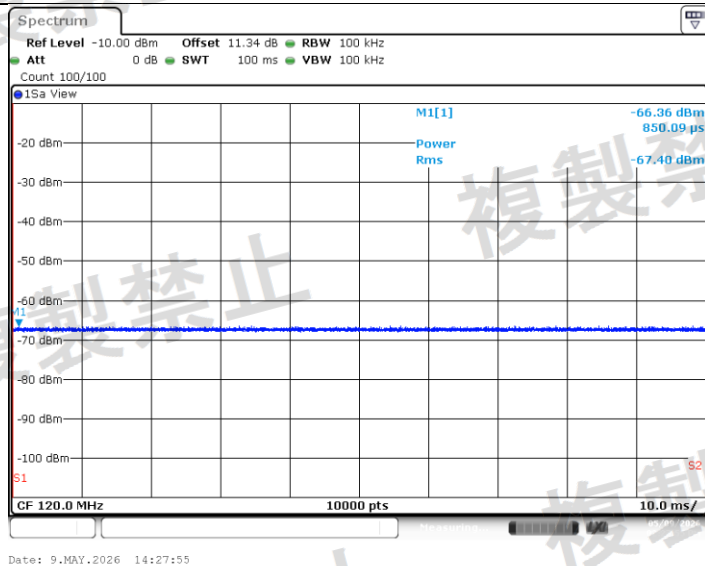
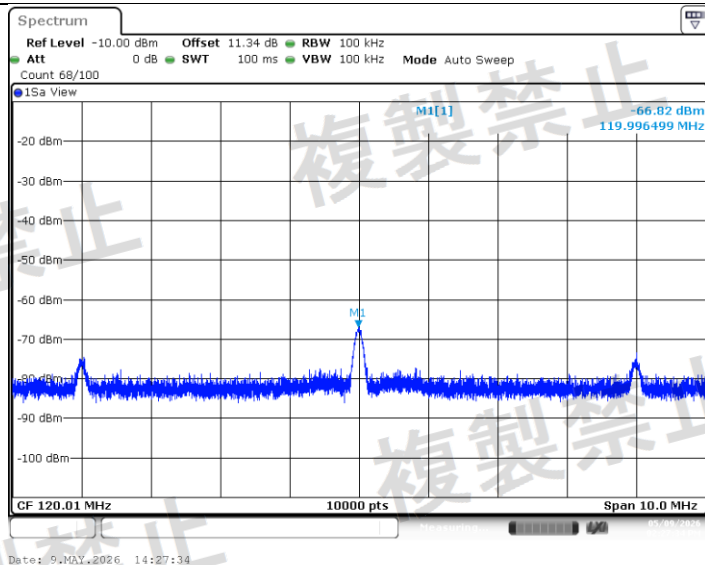
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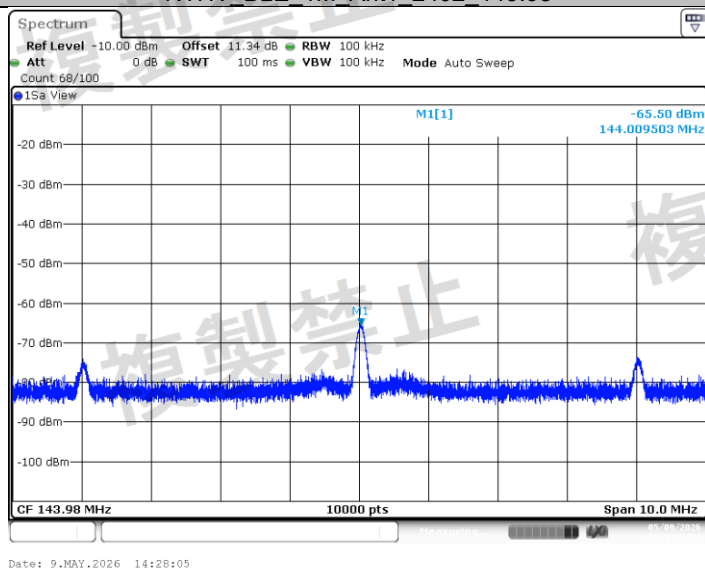
NTHV BLE 1M Ant1 2402 95.80

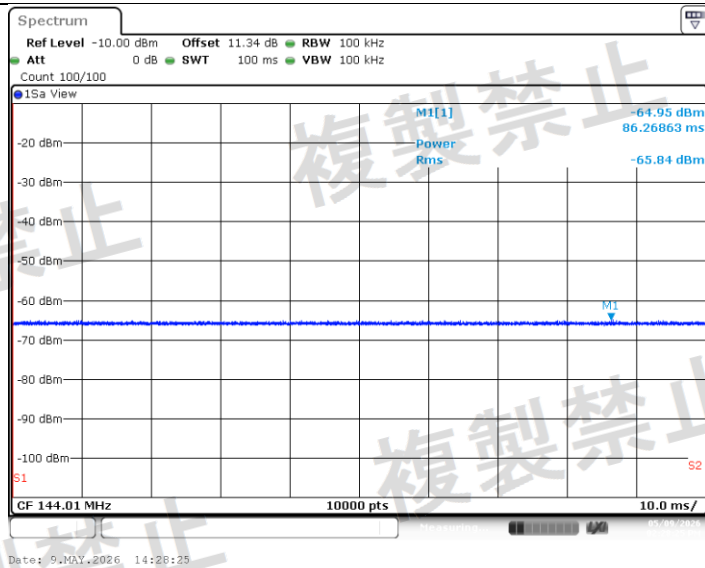


NTHV BLE 1M Ant1 2402 120.01

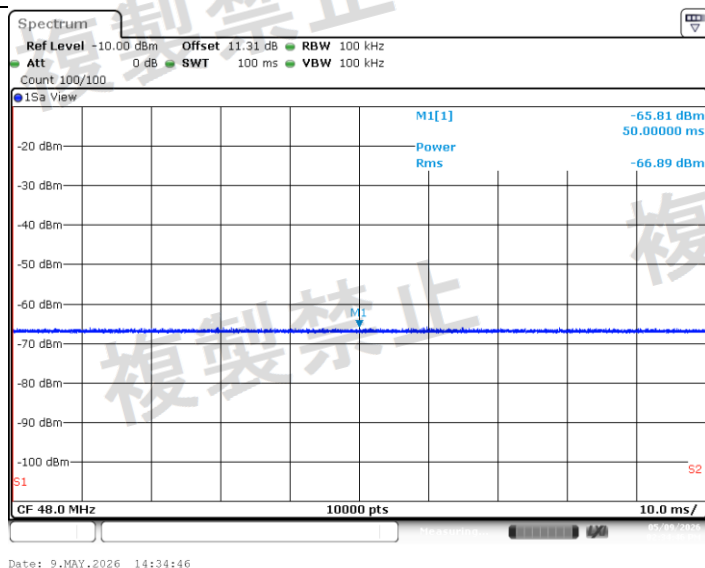
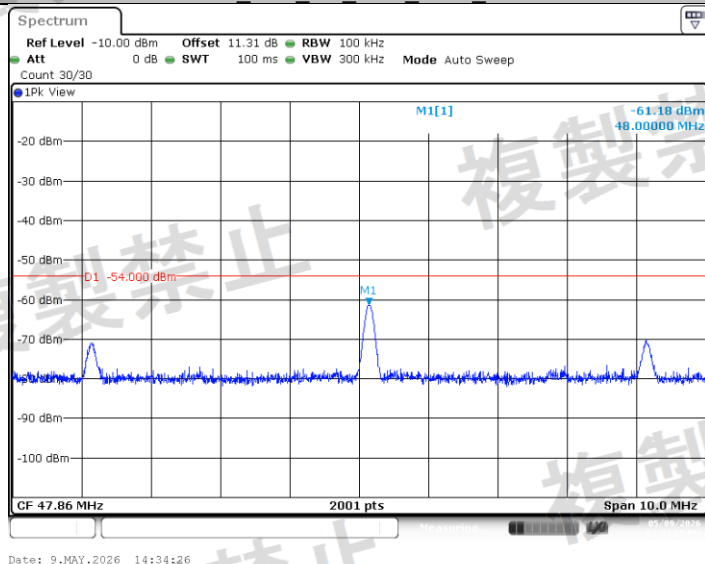


NTHV BLE 1M Ant1 2402 143.98

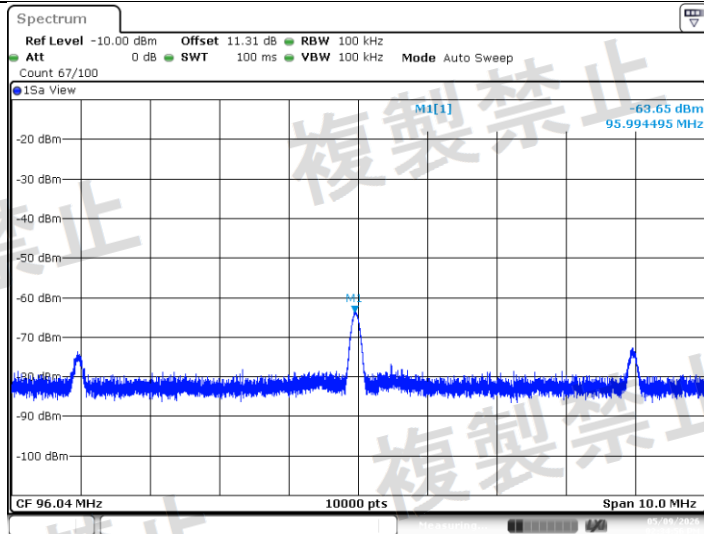




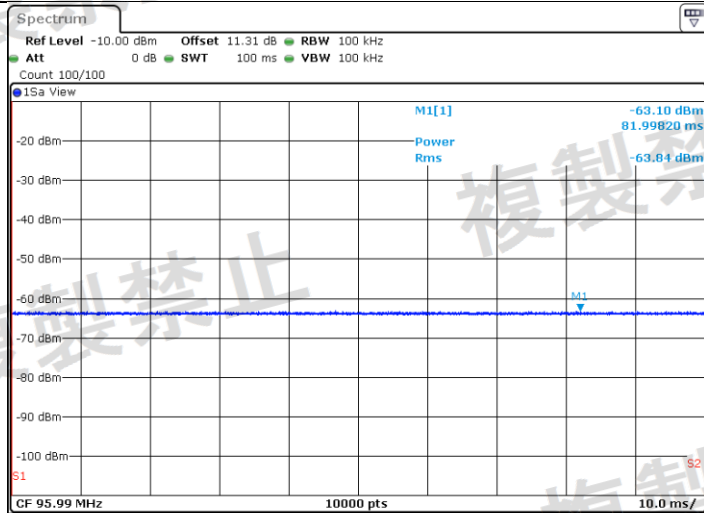
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NTHV_BLE_1M_Ant1_2440_96.04

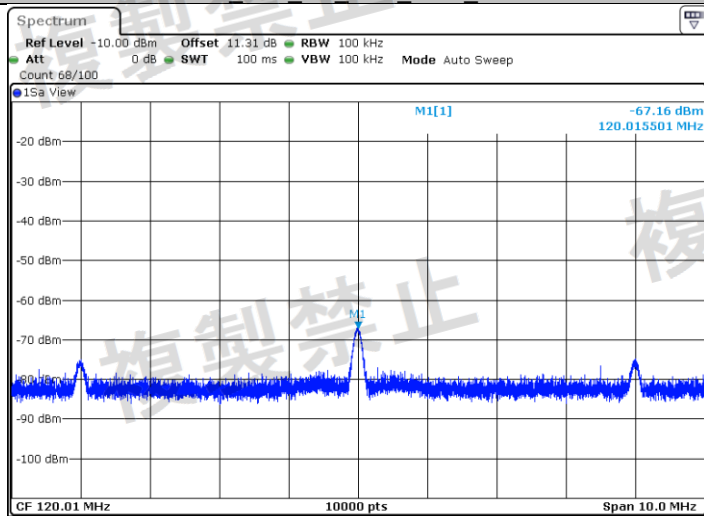


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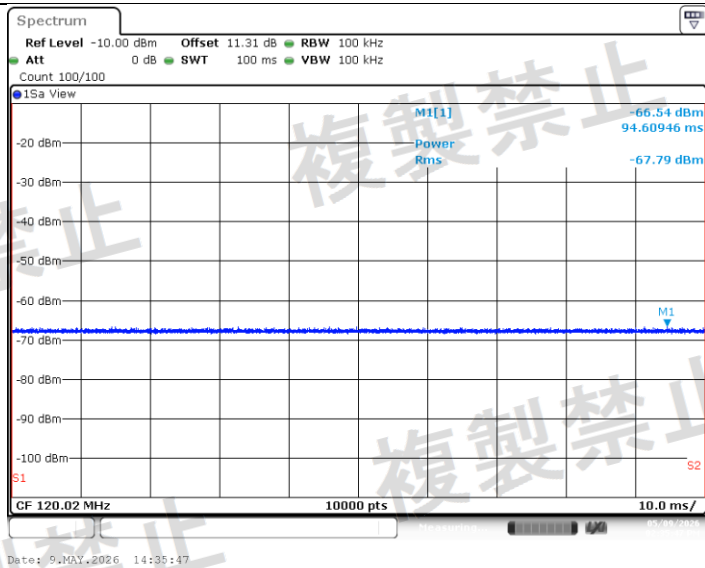


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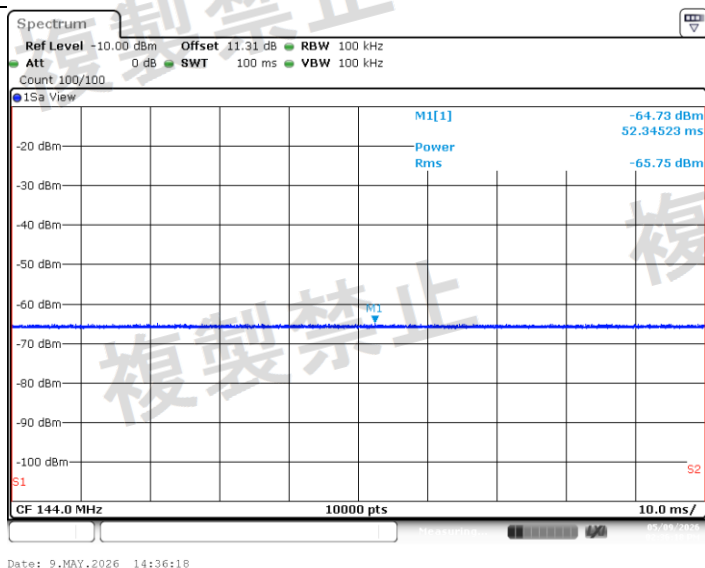
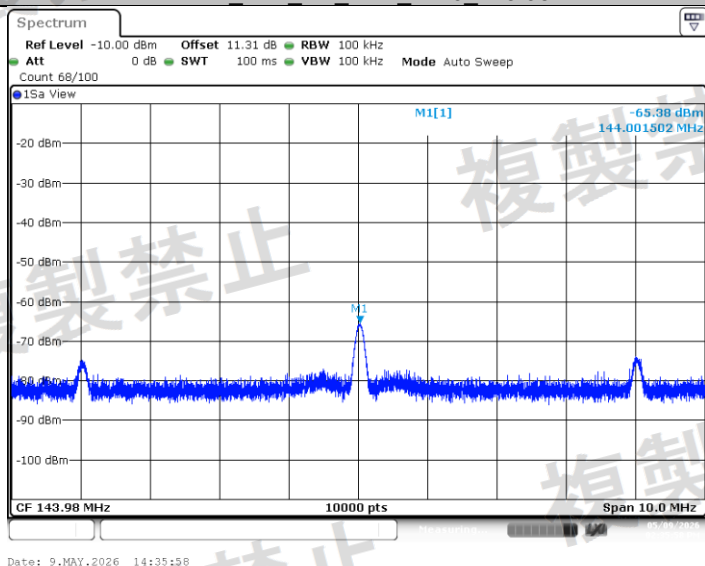
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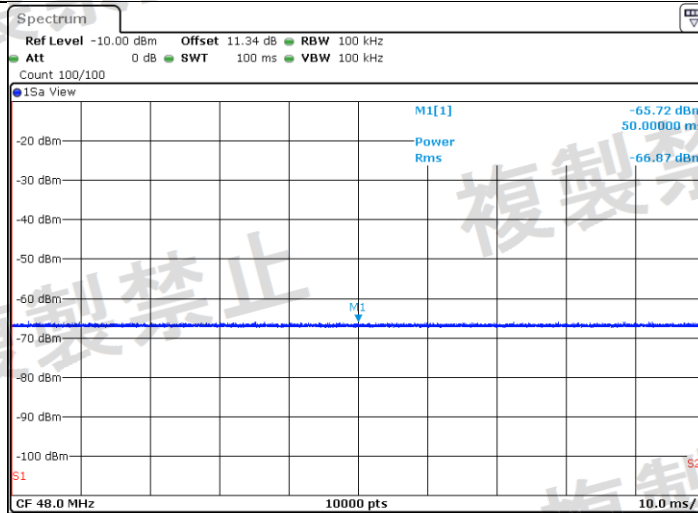
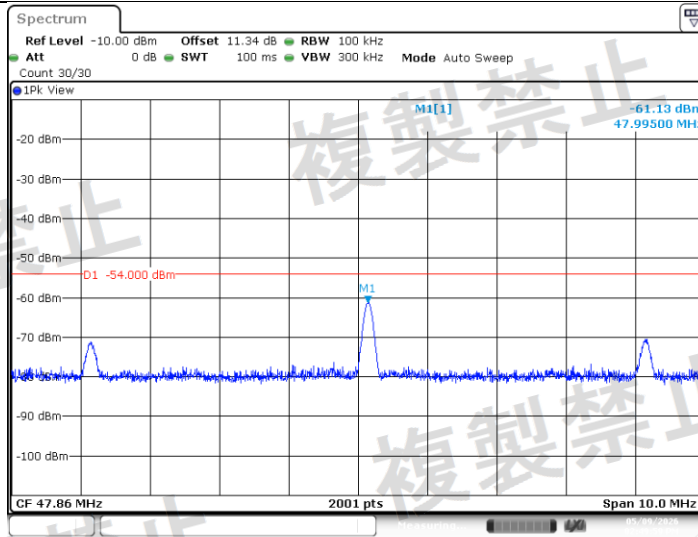
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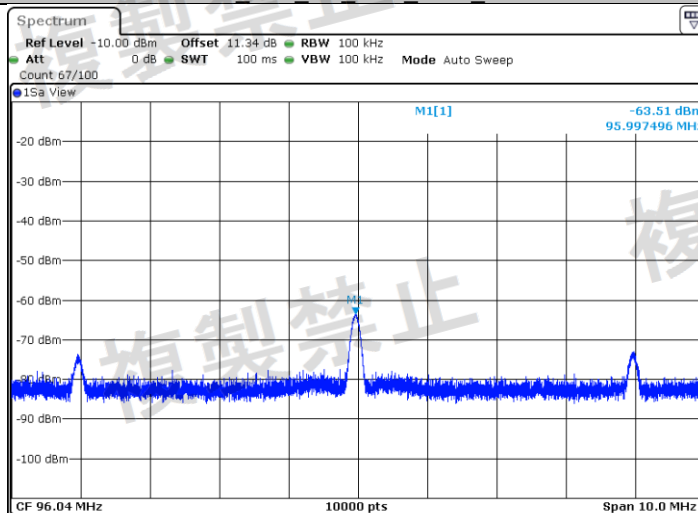
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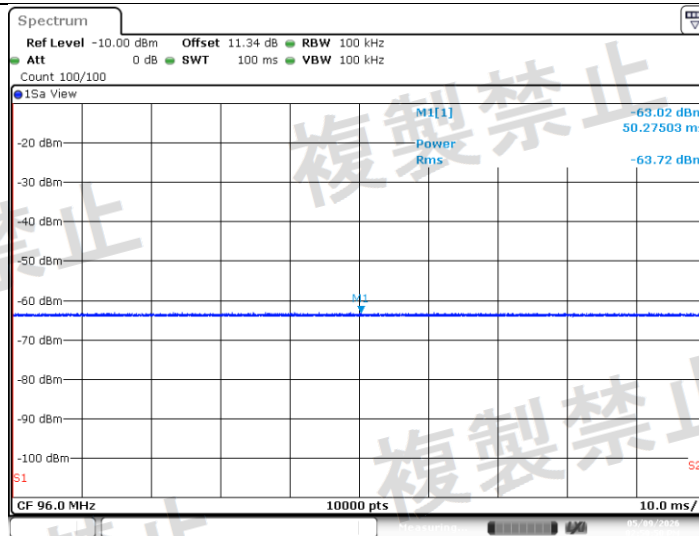


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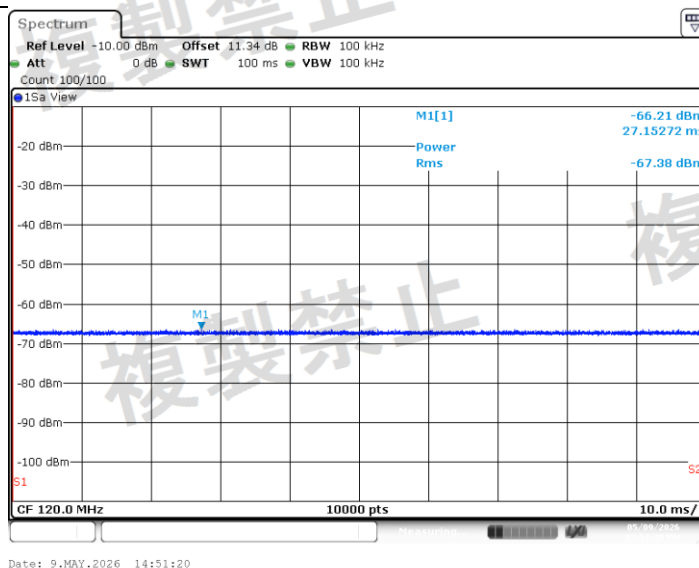
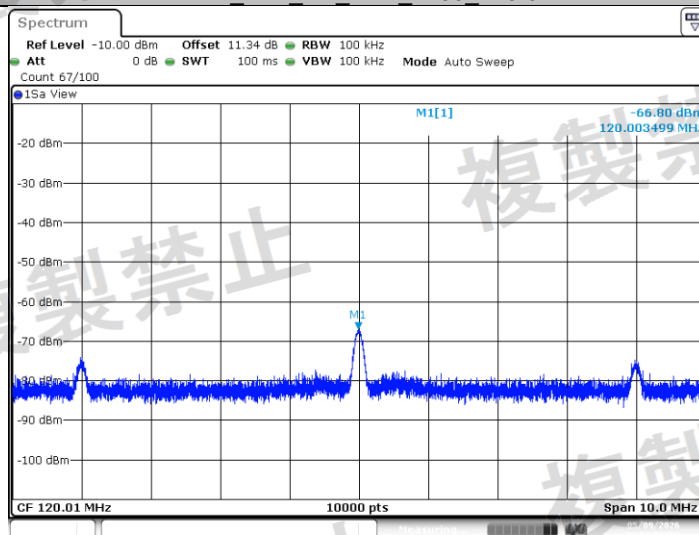


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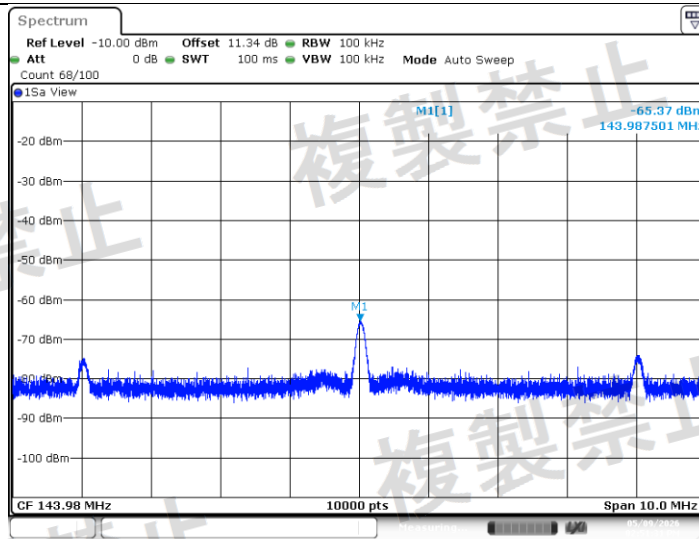




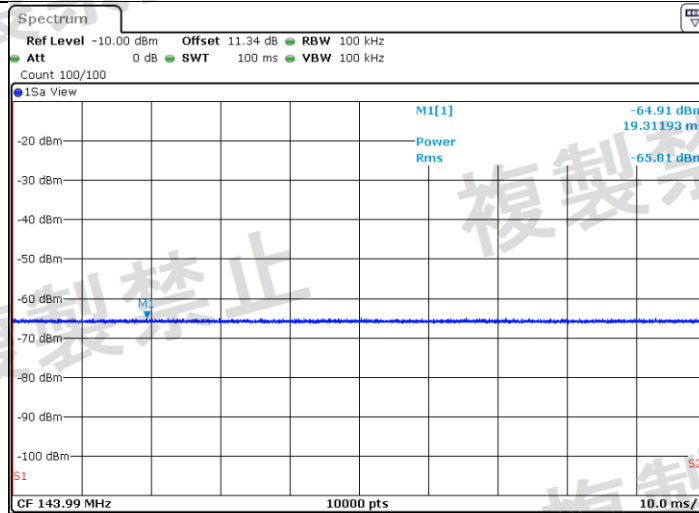
NTHV BLE 1M Ant1 2480 120.01



NTHV BLE 1M Ant1 2480 143.98



Date: 9.MAY.2026 14:51:31



Date: 9.MAY.2026 14:51:51