

RF TEST REPORT

For

AGM MOBILE LIMITED

Product Name: Smart PAD Tablet

Test Model(s): AGM_P3_COMPACT

Report Reference No. : DACE260723001RF003

Applicant's Name : AGM MOBILE LIMITED

Address : ROOM 1L, 7/F, LANE UP, 4 KIN FAT LANE, TUEN MUN HK, CHINA

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.

Address : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park,
Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen,
Guangdong, China

Test Specification Standard : Article 2-1, Item 19

Date of Receipt : July 23, 2026

Date of Test : July 23, 2026 to July 28, 2026

Date of Issue : July 28, 2026

Result : Pass

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Apply for company information

Applicant's Name	:	AGM MOBILE LIMITED
Address	:	ROOM 1L, 7/F, LANE UP, 4 KIN FAT LANE, TUEN MUN HK, CHINA
Product Name	:	Smart PAD Tablet
Test Model(s)	:	AGM_P3_COMPACT
Series Model(s)	:	AGM_P3, AGM_P3_PRO
Test Specification Standard(s)	:	Article 2-1, Item 19

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:

Lucy Mo

Lucy Mo / Test Engineer

July 28, 2026

Supervised by:

Ben Tang

Ben Tang / Project Engineer

July 28, 2026

Approved by:

Michael Mo

Michael Mo /
Manager

July 28, 2026

Revision History Of Report

Version	Description	REPORT No.	Issue Date
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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

Article 2-1, Item 19 : 2.4GHz for SRD/BT/WIFI

1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Tolerance of Frequency	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Occupied Bandwidth (99%)	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Spread Factor	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Antenna Power and Tolerance	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Spurious Emission Intensity	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Secondary Radiated Emissions	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Carrier Sensing 1	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Carrier Sensing 2	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
Interference Prevention Function	Article 2-1, Item 19	Notification No.88 of MIC, 2004 & 別表第四十三	Article 2-1, Item 19	Pass
RF Accessibility	Article 2-1, Item 19		Article 49-20, paragraph 1(a)	Pass

1.3 Test Environmental conditions

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

Power	Temperature	Normal Temperature:	25°C
Type-C port	Voltage	Normal Voltage	DC5.0V
		Low Voltage	DC4.5V
		High Voltage	DC5.5V
	Other	Relative Humidity	55 %
		Air Pressure	101 kPa

When the external power supply voltage is normal Voltage/ low Voltage/ high Voltage, in the RF circuit, monitor the BT chip power supply voltage, the voltage is as follows:

External power supply	module input power	RF chip voltage	Tolerance (%)
AC100V	DC 3.3V	DC 3.3V	0
AC90V	DC 3.3V	DC 3.3V	0
AC110V	DC 3.3V	DC 3.3V	0

Note: The power supply supplies the voltage rating and the voltage rating $\pm 10\%$. However, when it can be confirmed that the change of the input voltage to the wireless part circuit of the testing machine is $\pm 1\%$ or less when the input voltage to the testing machine from the external source changes at $\pm 10\%$, examines it only by the voltage rating.

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : AGM MOBILE LIMITED
Address : ROOM 1L, 7/F, LANE UP, 4 KIN FAT LANE, TUEN MUN HK, CHINA

Manufacturer : AGM MOBILE LIMITED
Address : ROOM 1L, 7/F, LANE UP, 4 KIN FAT LANE, TUEN MUN HK, CHINA

2.2 Description of Device (EUT)

Product Name:	Smart PAD Tablet
Model/Type reference:	AGM_P3_COMPACT
Series Model:	AGM_P3, AGM_P3_PRO
Model Difference:	The product has many models, only the model name and color is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	AGM
Power Supply:	DC 9V/2A from adapter Battery:DC3.85V 7200mAh
Operation Frequency:	2412-2472MHz
Number of Channels:	13 channels for 20MHz bandwidth; 9 channels for 40MHz bandwidth
Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n(HT20 and HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM)
Rate	802.11b:1Mbps,2Mbps,5.5Mbps,11Mbps 802.11g:6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps 802.11n:MCS0,MCS1,MCS2,MCS3,MCS4,MCS5,MCS6,MCS7
Nnumber of subcarrier/MHz	≥ 1
Antenna Type:	FPC
Antenna Gain:	1.17dBi
Hardware Version:	V1.0
Software Version:	V1.0

Operation Frequency each of channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	5	2432MHz	9	2452MHz	13	2472MHz
2	2417MHz	6	2437MHz	10	2457MHz	--	--
3	2422MHz	7	2442MHz	11	2462MHz	--	--
4	2426MHz	8	2447MHz	12	2467MHz	--	--

the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)	
	20MHz OBW	40MHz OBW

Lowest channel	2412MHz	2422MHz
Middle channel	2442MHz	2442MHz
Highest channel	2472MHz	2462MHz

2.3 Description of Test Modes

No	Title	Description
TM1	802.11b TX mode	Keep the EUT in 802.11b transmitting mode.
TM2	802.11g TX mode	Keep the EUT in 802.11g transmitting mode.
TM3	802.11n20 TX mode	Keep the EUT in 802.11n20 transmitting mode.
TM4	802.11n40 TX mode	Keep the EUT in 802.11n40 transmitting mode.
TM5	RX mode	Keep the EUT in RX receiving mode.

We have verified the construction and function of the EUT under typical operation. All test items were carried out with the EUT in the above test modes. The reported test results represent the worst-case mode and worst-case setup, utilizing the following lowest data rates: 1 Mbps for 802.11b, 6 Mbps for 802.11g, 6.5 Mbps for 802.11n (HT20), and 13.5 Mbps for 802.11n (HT40).

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
PC	HP	TPC-W032-SF	N/A

2.5 Equipments Used During The Test

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Test Software	Tachoy Information Technology(she n zhen) Co.,Ltd.	RTS-01	V1.0.0	2026-04-14	2027-04-13
Power divider	MIDEWEST	PWD-2533	SMA-79	2026-04-16	2027-04-15
RF Sensor Unit	Tachoy Information Technology(she n zhen) Co.,Ltd.	TR1029-2	000001	2026-04-14	2027-04-13
Wideband radio communication tester	R&S	CMW500	113410	2026-04-14	2027-04-13
Vector Signal Generator	Keysight	N5181A	MY50143455	2025-12-02	2026-12-01
Signal Generator	Keysight	N5182A	MY48180415	2025-12-02	2026-12-01
Spectrum Analyzer	Keysight	N9020A	MY53420323	2025-12-02	2026-12-01
Power meter	Agilent	E4416	MY48200166	2025-12-06	2026-12-05

Remark.

(a) Calibration conducted by the National institute of information and communications Technolog(NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article102-18 paragraph in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the MeasuremenAct (Act No. 51 of 1992).

(c) Calibration conducted in countries except japan, which shall be equivalent to the calibrationconducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the rightcolumn of appended table No. 3, which shall have been given any type of calibration, etc. listedabove from (a) to (c).

The calibration corresponds to c described above.

Note: The test equipment is calibrated by GUANGZHOU NEM METROLOGY&TEST TECHNOLOGY CO., LTD., Add: 2/F Building 1,No.176, Hedong Road, Liwan District, Guangzhou, Guangdong, China

2.6 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Radio Frequency	$\pm 2 \times 10^{-7}$
Occupied Bandwidth	$\pm 3.63\%$
RF conducted power	$\pm 0.733\text{dB}$
Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.	

2.7 Identification of Testing Laboratory

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyao Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
FCC Registration Number:	0032847402
Designation Number:	CN1342
Test Firm Registration No.:	778666
A2LA Certificate Number:	6270.01

2.8 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) We hereby declare that the laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant. the laboratory is not responsible for the accuracy of the information provided by the client(item 2.2). When the information provided by the customer may affect the effectiveness of the results, the responsibility lies with the customer, and the laboratory does not assume any responsibility.

3 Evaluation Results (Evaluation)

3.1 Interference Prevention Function

Test Requirement:	The EUT shall support one of the following functions: - Automatic identification transmission - Automatic identification reception
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三
Procedure:	(1) For EUTs capable of automatically transmitting identification data a. Transmit identification data from EUT to Demodulator b. Confirm identification data is correctly received by Demodulator (2) For EUTs capable of automatically receiving identification data a. Transmit identification data from Link Partner to EUT b. Confirm communication link is established c. Link Partner shall respond by transmitting different identification data back to the EUT d. Confirm EUT stops transmitting, or confirm EUT recognizes that the two identification data are different

3.1.1 Conclusion:

The detected ID of the device is below:
01:E9:18:DA:CC:69

Test result: The device meet the requirements
PASS

3.2 RF Accessibility

Test Requirement:	The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.
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3.2.1 Conclusion:

Tamper proof declaration:
☐ Sealed with special screws. ☐ Plastic chassis is being welded using ultrasonic waves. ☐ Chassis is glued using a special adhesive ☐ Metal covers are spot-fused. ☐ Cover is specially interlocked. ☒ RF and modulation components are covered with shielding case and this shielding case is soldered. ☐ Shielded case is welded at RF and modulation parts, and ID-ROM is welded using the BGA method. ☐ Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive. ☐ Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent. ☐ RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable parts on PCB or adjustable parts are not exposed.

4 Radio Spectrum Matter Test Results (RF)

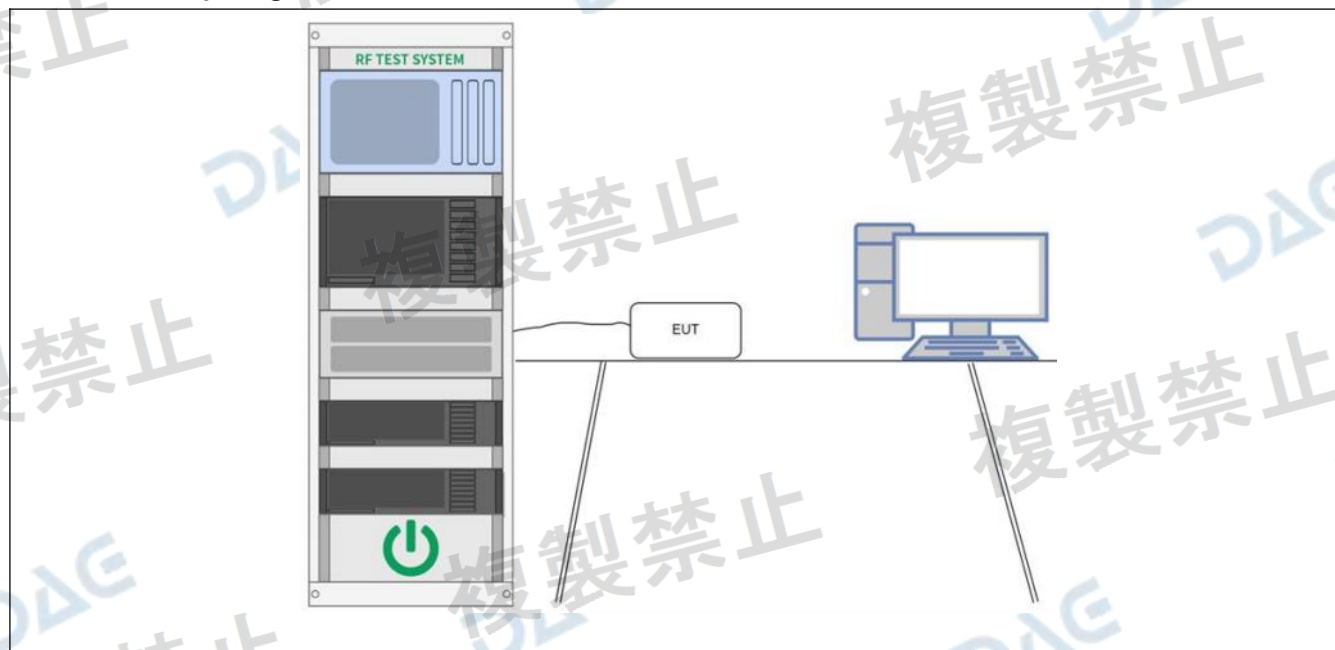
4.1 Tolerance of Frequency

Test Requirement:	Article 2-1, Item 19	
Test Limit:	$\pm 50\text{ppm}$ or less.	
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三	
Procedure:	Center frequency:	Test frequency
	Span:	2 times channel bandwidth
	RBW:	100 kHz (Modulation ON)
	VBW:	100 kHz (Modulation ON)
	Sweep data points:	1001 or greater
	Sweep time:	Auto
	Detector mode:	Positive peak
	Indication mode:	Max hold
If the EUT cannot transmit in un-modulated mode then modulated mode measurements can be made, as follows: If the spectrum observed using the spectrum analyzer has a characteristic dip at the center, then the center frequency of the dip shall be regarded as the center frequency of the carrier.		

4.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.9 °C	Humidity:	51 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

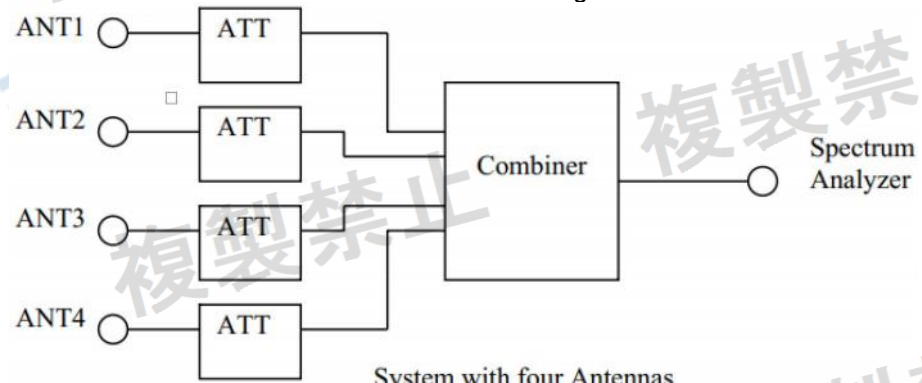
4.1.2 Test Setup Diagram:



4.1.3 Test Data:

Please Refer to Appendix for Details.

4.2 Occupied Bandwidth (99%)

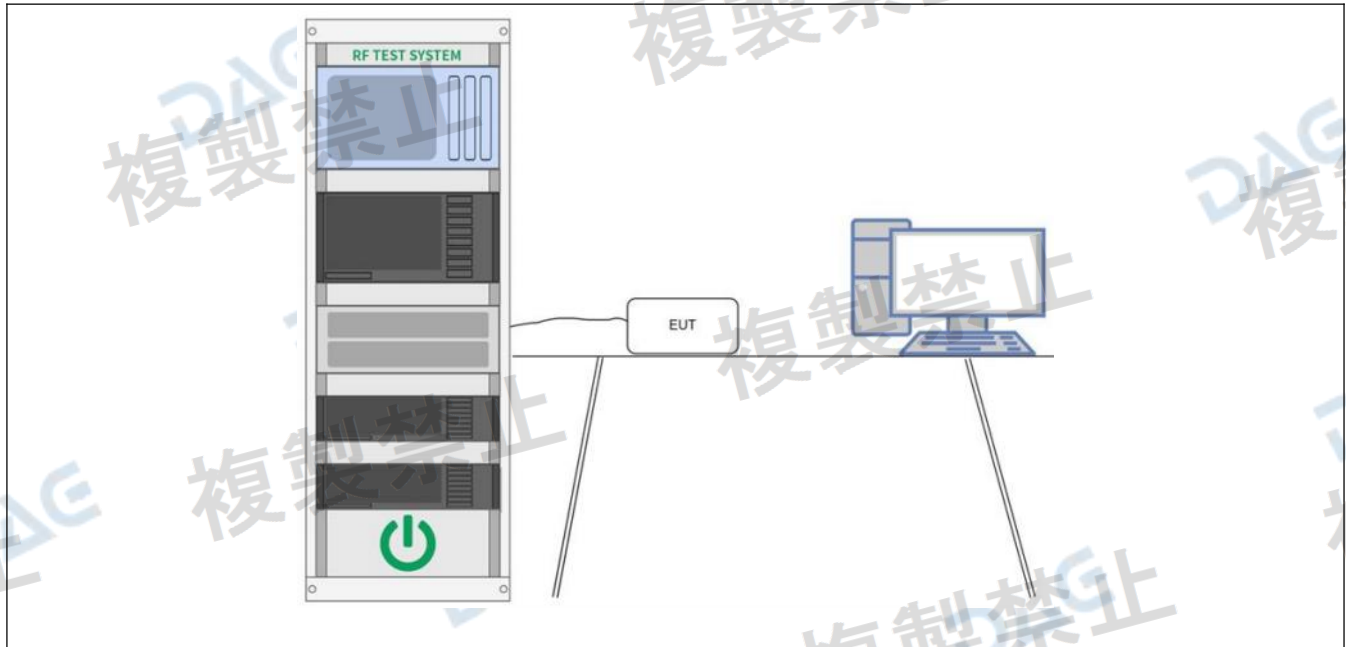
Test Requirement:	Article 2-1, Item 19																		
Test Limit:	For OFDM Modulation: The measured bandwidth at the low and high channels shall meet the following requirements: - The lowest frequency of the measured bandwidth shall not be less than 2400 MHz - The highest frequency of the measured bandwidth shall not be greater than 2483.5 MHz [Occupied Bandwidth]40 MHz or less For DSSS or other modulation: The measured bandwidth at the low and high channels shall meet the following requirements: - The lowest frequency of the measured bandwidth shall not be less than 2400 MHz - The highest frequency of the measured bandwidth shall not be greater than 2483.5 MHz [Occupied Bandwidth] 26 MHz or less																		
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三																		
Procedure:	<table border="1"> <tr> <td>Center Frequency:</td><td>Test frequency</td></tr> <tr> <td>Span:</td><td>2 - 3.5 times the technical standard</td></tr> <tr> <td>RBW:</td><td>Within 3% of the technical standard</td></tr> <tr> <td>VBW:</td><td>Same as RBW</td></tr> <tr> <td>Sweep time:</td><td>Auto</td></tr> <tr> <td>Sweep data points:</td><td>1001 or greater</td></tr> <tr> <td>Detector mode:</td><td>Positive peak</td></tr> <tr> <td>Indication mode:</td><td>Max hold</td></tr> <tr> <td>BW setting:</td><td>99%</td></tr> </table> (1) Measure the signal bandwidth using a spectrum analyzer (2) For multiple antenna systems: a) Each antenna shall be individually measured b) If the measured occupied bandwidth for any antenna exceeds [(Occupied Bandwidth Limit) – 100kHz] then, in addition, the occupied bandwidth shall be measured with all antennas combined – see diagram below:  System with four Antennas	Center Frequency:	Test frequency	Span:	2 - 3.5 times the technical standard	RBW:	Within 3% of the technical standard	VBW:	Same as RBW	Sweep time:	Auto	Sweep data points:	1001 or greater	Detector mode:	Positive peak	Indication mode:	Max hold	BW setting:	99%
Center Frequency:	Test frequency																		
Span:	2 - 3.5 times the technical standard																		
RBW:	Within 3% of the technical standard																		
VBW:	Same as RBW																		
Sweep time:	Auto																		
Sweep data points:	1001 or greater																		
Detector mode:	Positive peak																		
Indication mode:	Max hold																		
BW setting:	99%																		

4.2.1 E.U.T. Operation:

Operating Environment:

Temperature:	23.9 °C	Humidity:	47 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.2.2 Test Setup Diagram:



4.2.3 Test Data:

Please Refer to Appendix for Details.

4.3 Antenna Power and Tolerance

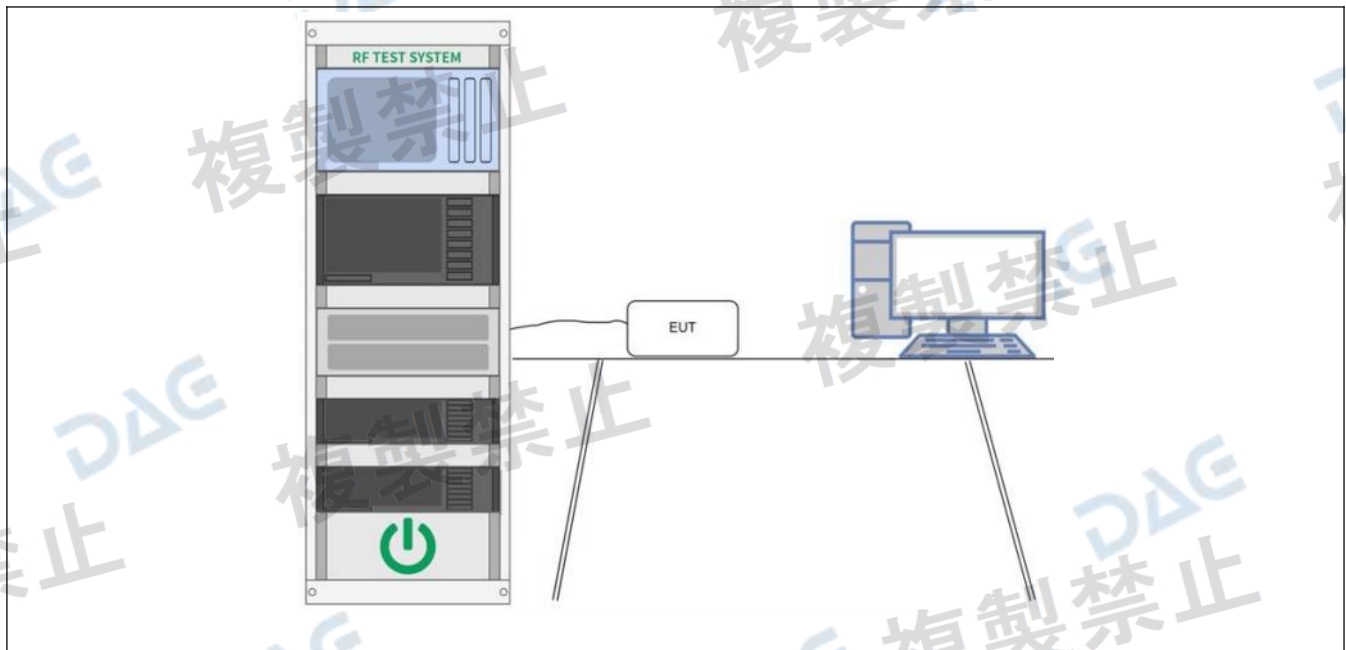
Test Requirement:	Article 2-1, Item 19	
Test Limit:	Antenna Power: 26MHz<OBW≤40MHz: 5 mW/MHz or less Tolerance: +20% or less EIRP: 19.13dBm/MHz Antenna Power: OBW≤26MHz: 10mW/MHz or less Tolerance: +20% or less EIRP: 22.14dBm/MHz	
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三	
Procedure:	[Setting 1] – Search for peak power frequency	
	Center Frequency:	Test frequency
	Span:	Approximately twice the occupied bandwidth
	RBW:	1MHz
	VBW:	Approximately three times the RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	3 MHz (FHSS-Channel Spacing ≤ 1MHz) 1MHz (DSSS, OFDM, FHSS-Channel Spacing > 1MHz)
	Detector mode:	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
	[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	Bandwidth sufficient to cover that occupied by the carrier
	VBW:	Bandwidth sufficient to cover that occupied by the carrier
	Detector mode:	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
	(1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power (2) After configuring the spectrum analyzer to [Setting 2], measure the Average Burst Power of the frequency found in (1) $\text{Antenna Power (W/MHz)} = \text{Average Burst Power}$	

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.6 °C	Humidity:	55 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.3.2 Test Setup Diagram:



4.3.3 Test Data:

Please Refer to Appendix for Details.

4.4 Spurious Emission Intensity

Test Requirement:	Article 2-1, Item 19	
Test Limit:	(1) Below 2387 MHz: 2.5 μ W (-26 dBm)/MHz or less (2) 2387 to 2400 MHz: 25.0 μ W (-16 dBm)/MHz or less (3) 2483.5 to 2496.5 MHz: 25.0 μ W (-16 dBm)/MHz or less (4) Over 2496.5 MHz: 2.5 μ W (-26 dBm)/MHz or less	
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三	
Procedure:	[Setting 1]	
	Frequency range:	(see Note 1)
	RBW:	1 MHz
	VBW:	1 MHz
	Sweep time:	Minimum time required to make an accurate measurement
	Sweep Data Points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold (see Note 2)
	Note 1:	Measurement range shall be 30 MHz to 12.5 GHz, except for the following cases: -FHSS, FHSS+DSSS, FHSS+OFDM: 2374 MHz to 2509.5 MHz -Other than FHSS, FHSS+DSSS, FHSS+OFDM: 2400 MHz to 2483.5 MHz
	Note 2:	Sweep shall be repeated until the max hold waveform is stable.
	[Setting 2]	
	Center frequency:	Frequency of spurious emission found using [Setting 1]
	Span:	0 Hz
	RBW:	1 MHz
	VBW:	1 MHz
	Sweep time:	Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval
	Sweep Data Points:	1001 or greater
	Detector mode:	Sample
	[Setting 3]	
	Frequency range:	2374 MHz to 2400 MHz 2483.5 MHz to 2509.5 MHz
	RBW:	30 kHz
	VBW:	30 kHz
	Sweep time:	Minimum time required to make an accurate measurement.
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak

Indication mode:	Max hold
------------------	----------

(1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit - 3dB] are found, then more detailed measurements are required, go to step (2)

(2) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude.

If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time.

If spurious emissions ranging from 30 MHz to 2374 MHz and from 2509.5MHz to 12.5GHz are over the limit, then the test result is Fail.

If spurious emissions ranging from 2374 MHz to 2400 MHz and from 2483.5 MHz to 2509.5 MHz are over the limit, then further detailed measurements are required, go to step (3)

(3) In the following cases, measure the spurious emissions using [Setting 3]

- Case1: FHSS, FHSS+DSSS, FHSS+OFDM

- Case2: Other than FHSS, FHSS+DSSS, FHSS+OFDM, and the spurious emissions in step (2) are over the limit

(4) Calculate the spurious emission value (Calculated Value) using following the formula below:

Calculated Value = (Measured Value using (3) + 15.2dB)

Note: 15.2dB adjustment is derived from the Conversion Factor of RBW

Conversion Factor of RBW = $10 \times \log(\text{Reference Bandwidth} / \text{RBW of measurement}) = 15.2 \text{ [dB]}$ Where: Reference Bandwidth = 1 MHz

RBW of measurement = 30 kHz

(5) If the calculated value using (4) is over the Limit (section 6.7), go to (6)

(6) Configure the spectrum analyzer to [Setting 3] then make the following changes:

Frequency: Frequency of spurious emission

Span: 1 MHz

(7) After sweep, send the span data set to the PC

(8) Convert measured data from dBm to Watts

(9) Sum all the data using the formula below. If the sum is within the limit, the test result is Pass, otherwise, Fail

$$P_s = \left(\sum_{i=1}^n E_i \right) \times \frac{S_w}{RBW \times k \times n}$$

Ps: Sum (Watts)

Ei: Measured value at each point in the Span (Watts) Sw: Span (1MHz)

n: Number of measurement points in the Span

k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide

RBW: Resolution Bandwidth (MHz).

(10) If the EUT has multiple antennas, measure the spurious emission from each individual antenna using steps (1) through (9)

(11) Convert the individual antenna spurious level measurements (step (10)) from dB to absolute values

(12) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions)

(13) Ensure that the composite spectrum does not exceed the Limit defined in 6.7 (Technical Standard)

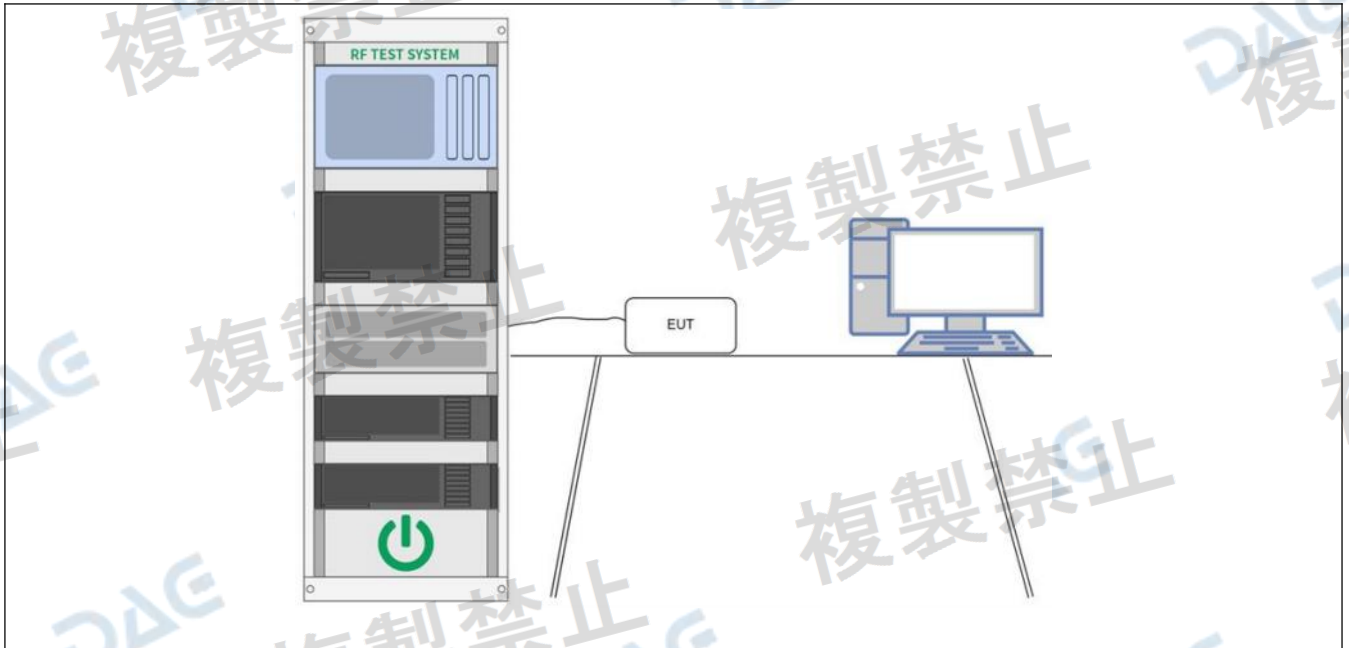
(14) Configuring the spectrum analyzer using [Setting 3] and measure the spurious

emissions with all the antennas electrically combined

4.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.4 °C	Humidity:	55 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1, TM2, TM3, TM4				
Final test mode:	TM1, TM2, TM3, TM4				

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

Please Refer to Appendix for Details.

4.5 Secondary Radiated Emissions

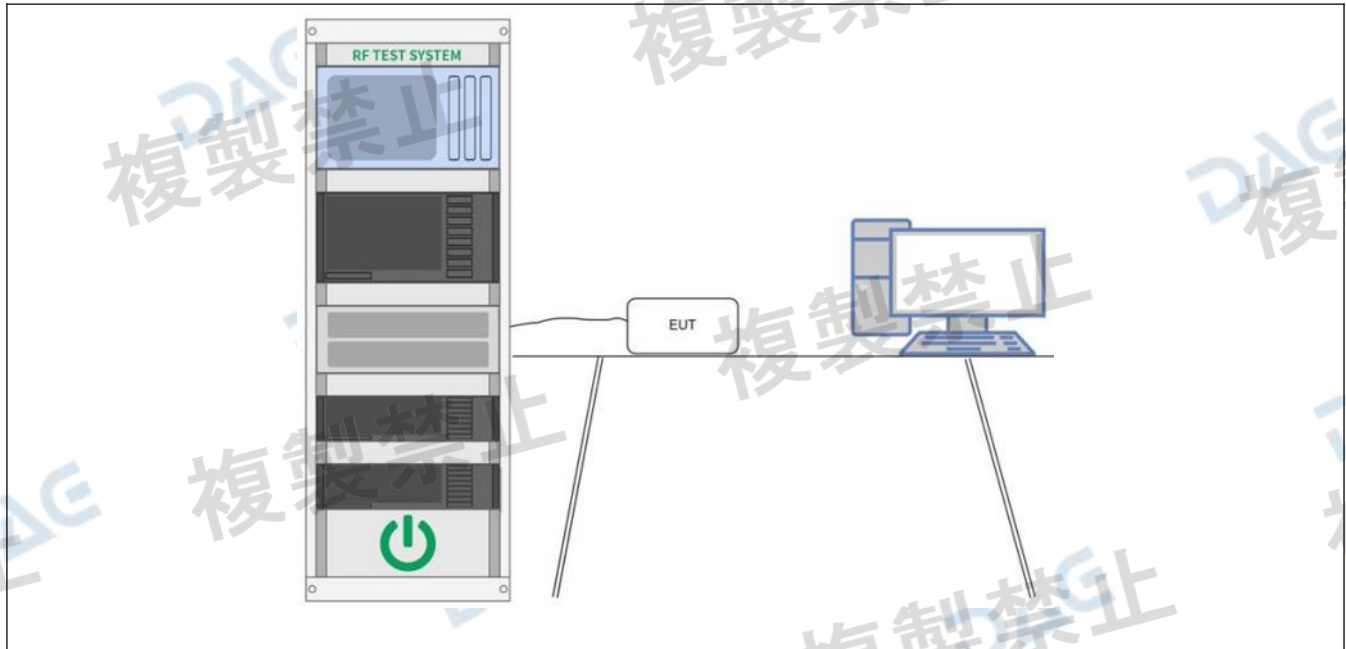
Test Requirement:	Article 2-1, Item 19	
Test Limit:	(1) Below 1 GHz: 4 nW (-54dBm) or less (2) Above 1 GHz: 20 nW (-47dBm) or less	
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三	
Procedure:	[Setting 1]	
	Frequency range:	30 MHz ~ 12.5 GHz
	RBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	VBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2]	
	Center Frequency:	Frequency of spurious emission found using [Setting 1]
	Span:	0 Hz
	RBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	VBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Sample
	(1) Configure the spectrum analyzer to [Setting 1] and then search for spurious emissions in the range 30 MHz to 12.5GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points].	
	(2) If spurious emissions are found with an amplitude greater than [Limit - 10dB] then perform further detailed measurements as described in (3)	
	(3) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude.	
	If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time Multiple Antenna Systems	
	If the EUT has multiple antennas then emissions from each antenna shall be measured individually, as described below	
	(4) For each antenna repeat steps (1) through (3). Convert all spurious level measurements from dB to absolute value	
	(5) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions)	
	(6) Ensure that the composite spectrum does not exceed the Limit	

4.5.1 E.U.T. Operation:

Operating Environment:

Temperature:	23.8 °C	Humidity:	53 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM5				
Final test mode:	TM5				

4.5.2 Test Setup Diagram:



4.5.3 Test Data:

Please Refer to Appendix for Details.

4.6 Carrier Sensing

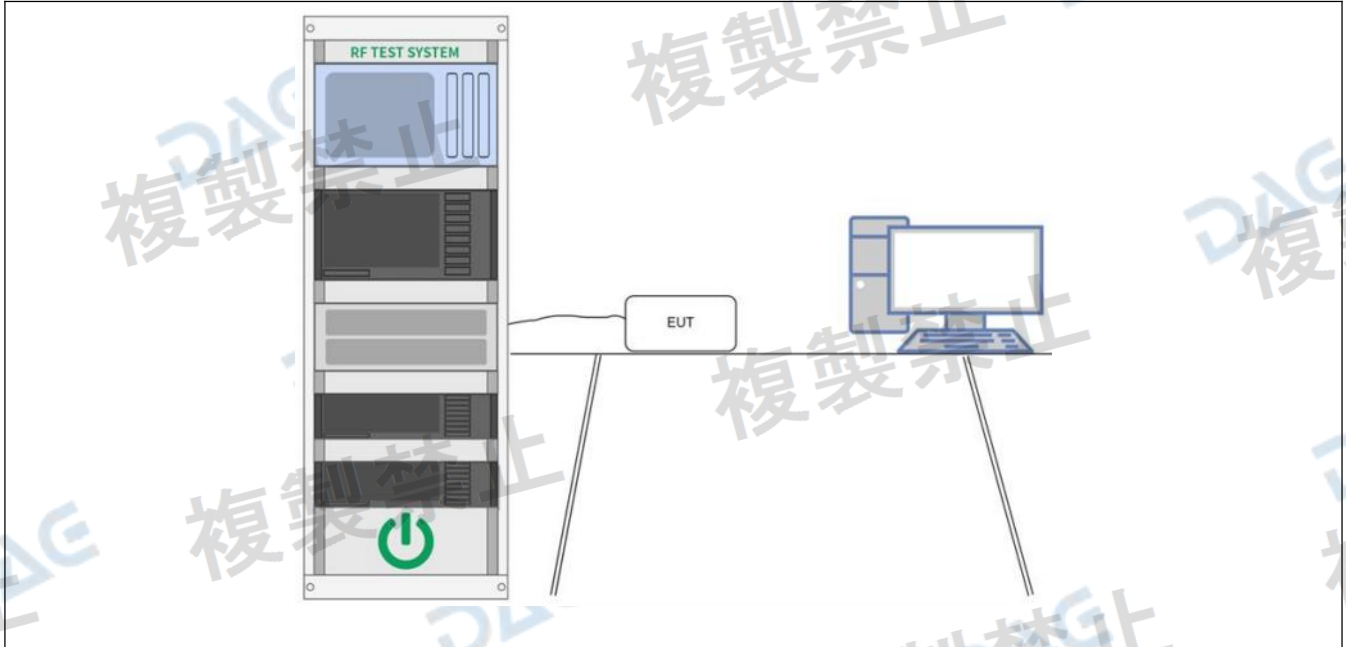
Test Requirement:	Article 2-1, Item 19		
Test Method:	Notification No.88 of MIC, 2004 & 別表第四十三		
Procedure:	Signal Generator Settings		
	[Setting 1]		
	Output frequency:	Center of test frequency	
	Modulation:	Un-modulated, see note	
	Output level:	The required level at the EUT antenna input, as defined by the applicant	
	Note:		
	If the EUT's carrier sensing cannot function with an un-modulated signal at the center of the test frequency, then the un-modulated signal can be moved away from the center.		
	Spectrum Analyzer Settings		
	[Setting 2]		
	Frequency:	Center of test frequency	
	Span:	50 MHz	
	RBW:	1 MHz	
	VBW:	1 MHz	
	Trigger:	Free running	
	Detector:	Positive peak	
	Testing without a Link Partner		
	(1) Set the spectrum analyzer to [Setting 2]		
	(2) With the signal generator OFF, set the EUT to transmit mode and confirm that the transmission meets the following characteristics:		
	a.Modulation:OFDM		
	b.Occupied bandwidth:over 26 MHz		
	(3) Set the EUT to receive mode		
	(4) First, set the signal generator output ON, then set the EUT to transmit mode and confirm that the EUT does NOT transmit a signal with the following characteristics:		
a.Modulation:OFDM			
b.Occupied bandwidth:over 26 MHz			
Testing with a Link Partner			
(1) Set the spectrum analyzer to [Setting 2]			
(2) Set the signal generator output to OFF			
(3) After establishing a connection between the EUT and the Link Partner, set the EUT to transmit mode and confirm that the transmission meets the following characteristics:			
a.Modulation:OFDM			
b.Occupied bandwidth:over 26 MHz			
(4) Set the EUT to receive mode			
(5) Set the signal generator output ON, then set the EUT to transmit mode and confirm that the EUT does NOT transmit a signal with the following characteristics:			
a.Modulation:OFDM			
b.Occupied bandwidth:over 26 MHz			

4.6.1 E.U.T. Operation:

Operating Environment:				
Temperature:	22.1 °C	Humidity:	46 %	Atmospheric Pressure: 102 kPa

Pretest mode:	TM5
Final test mode:	TM5

4.6.2 Test Setup Diagram:



4.6.3 Test Data:

Condition	Antenna	Mode	Frequency (MHz)	PCS(dbm)	CF(db)	SG level	Result
NVNT	ANT1	802.11n(HT40)	2422	-42.72	3.75	-38.97	Conform
NVNT	ANT1	802.11n(HT40)	2442	-42.79	3.72	-39.07	Conform
NVNT	ANT1	802.11n(HT40)	2472	-42.87	3.86	-39.01	Conform

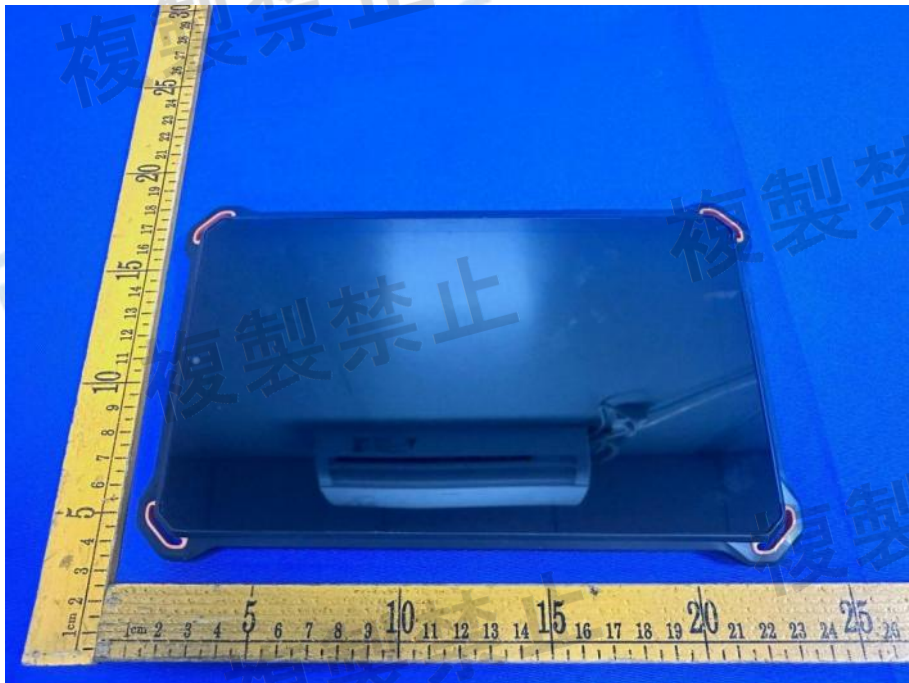
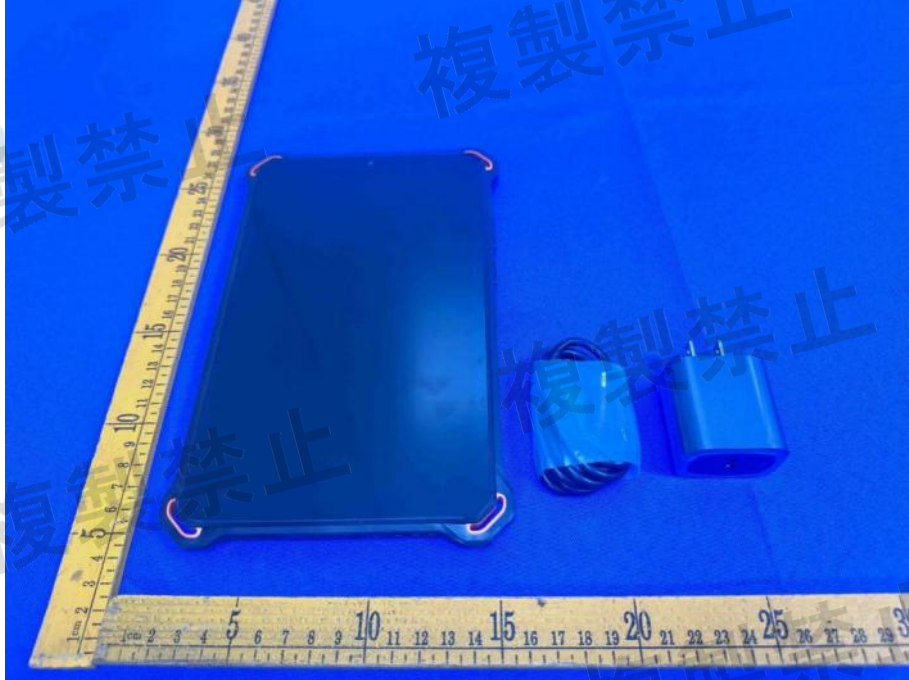
Note: $PCS = 22.79 + G - 20 \cdot \log(F)$, G= antenna gain, F= transmission frequency, CF=splitter loss + cable loss

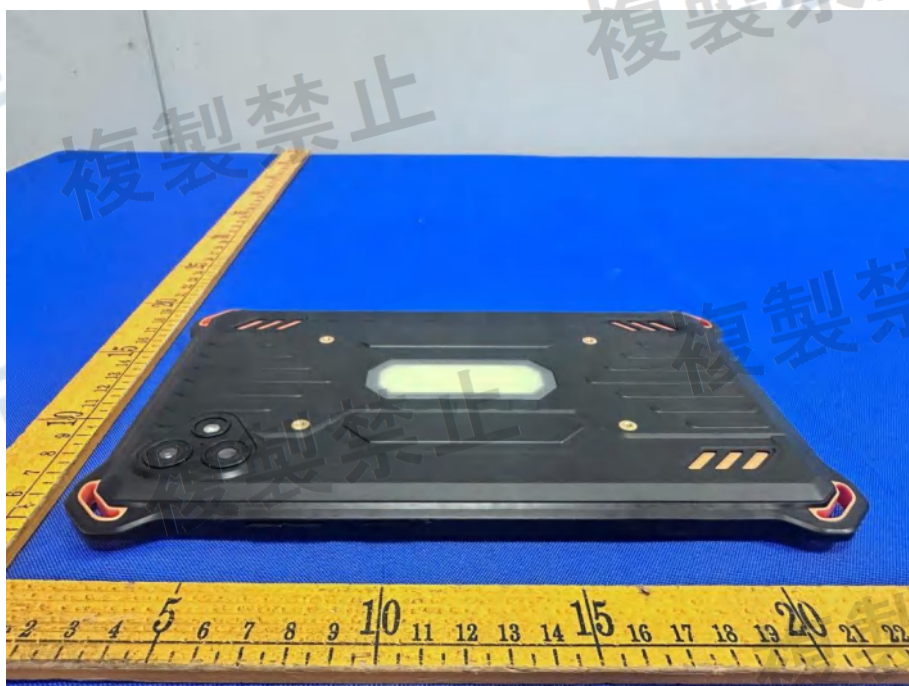
5 TEST SETUP PHOTOS

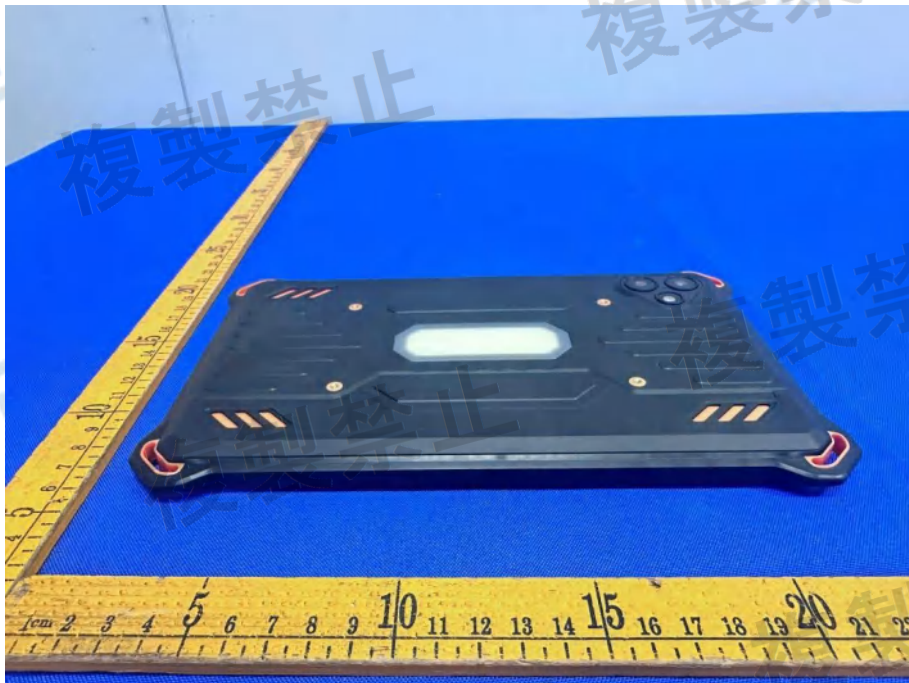
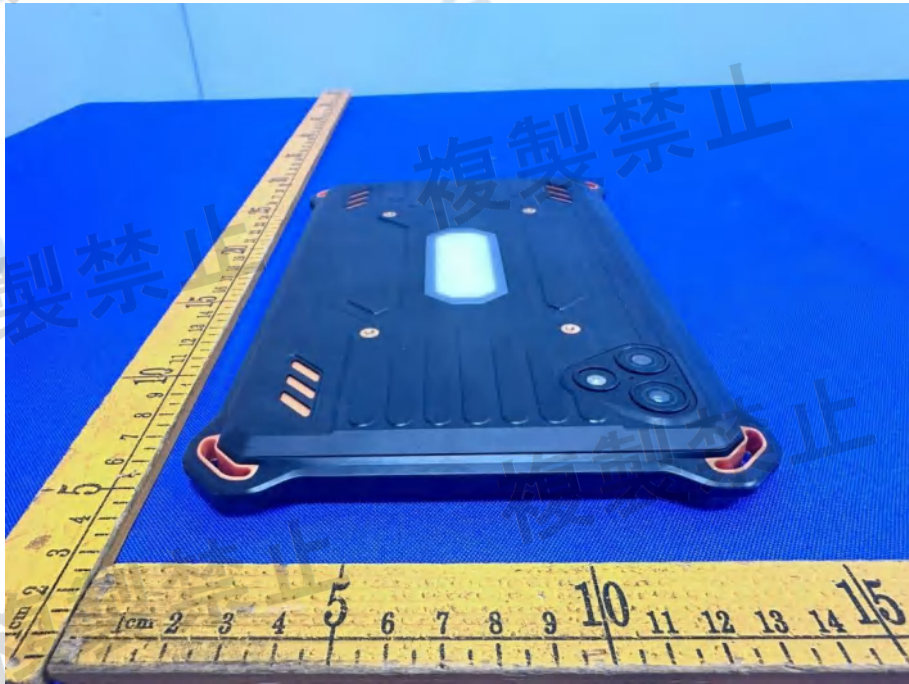


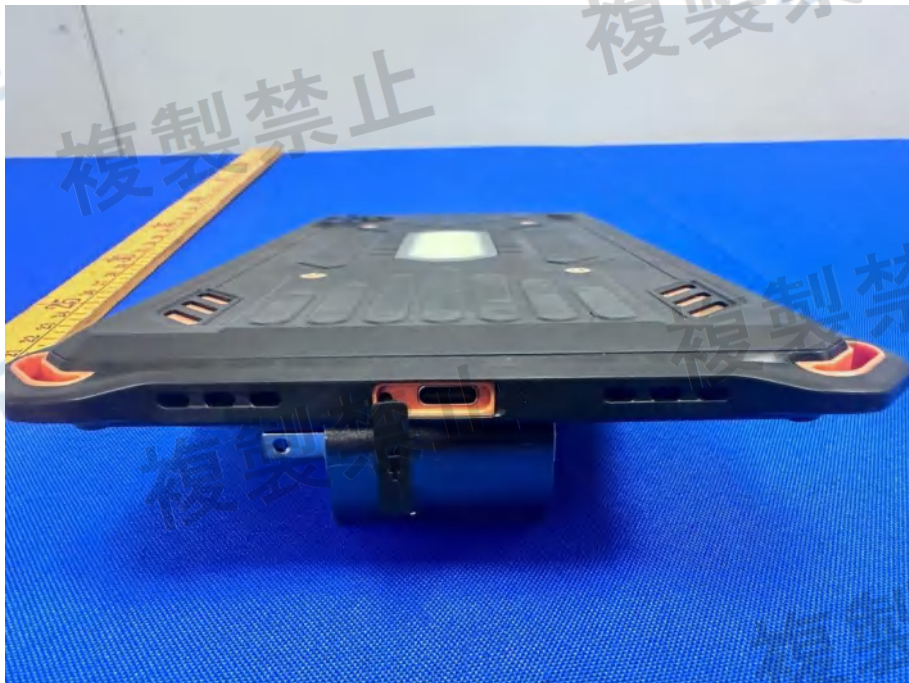
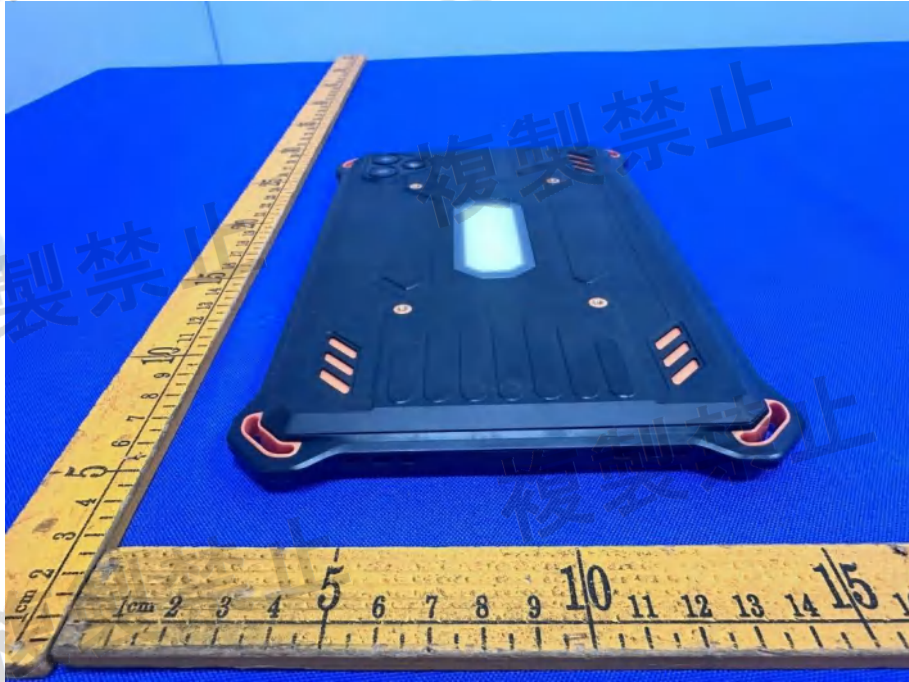
6 PHOTOS OF THE EUT

External





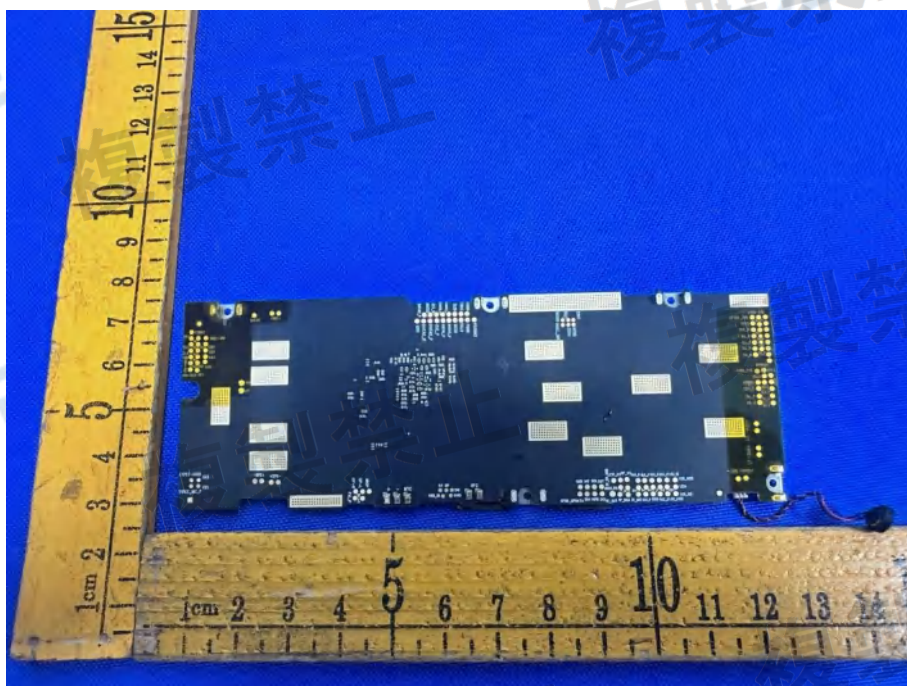
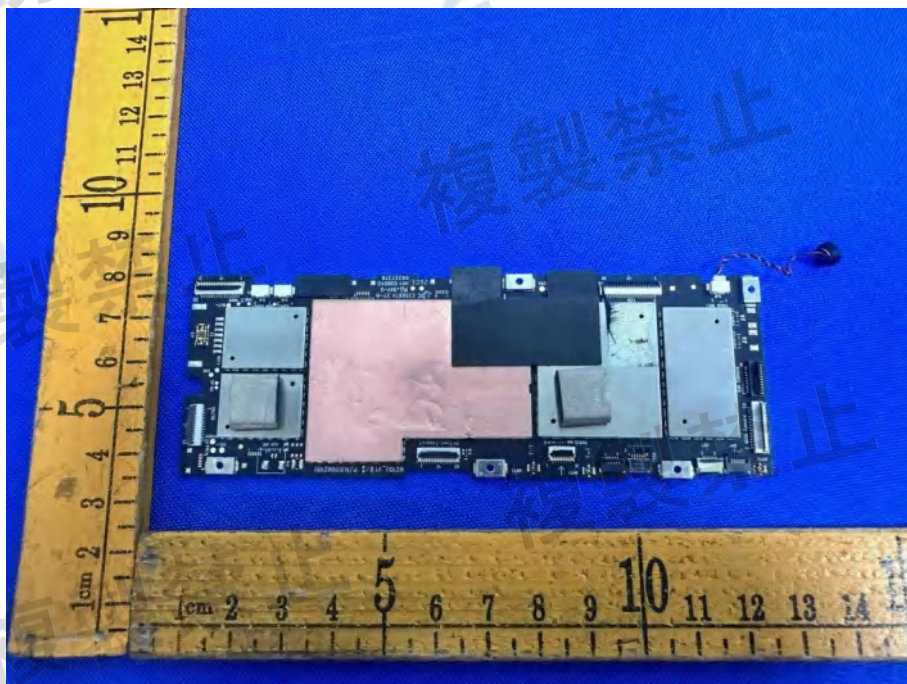


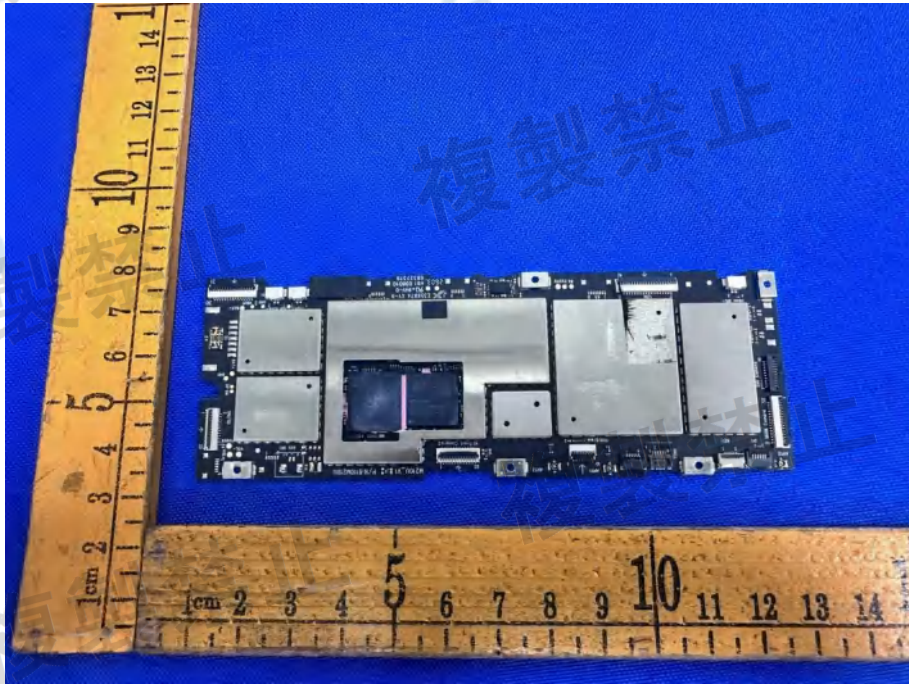




Internal









Appendix

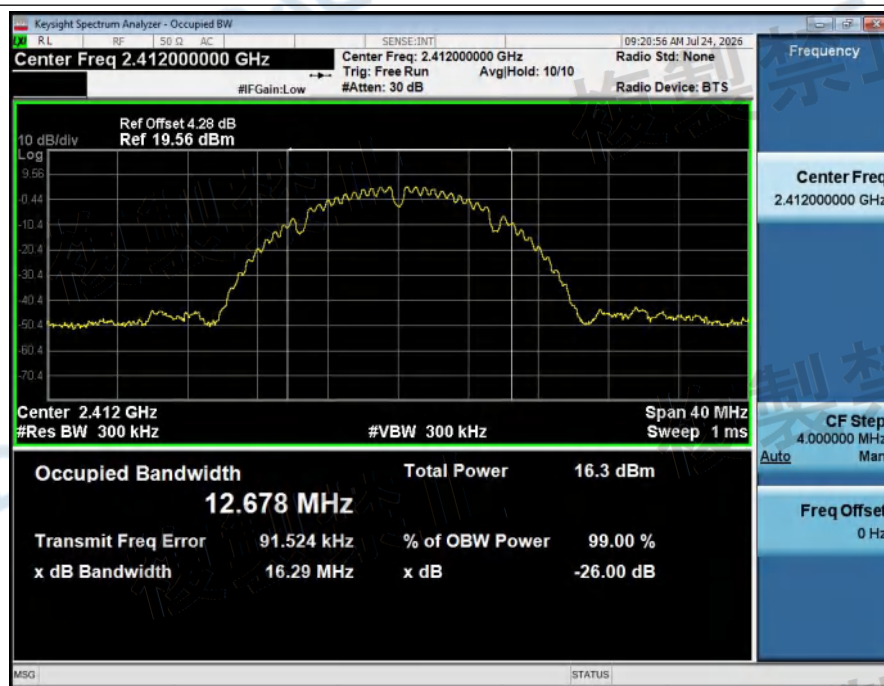
HT260723009-AGM-P3-MIC-2.4GWIFI

MIC_2.4G_WIFI (Item_19) Test Data

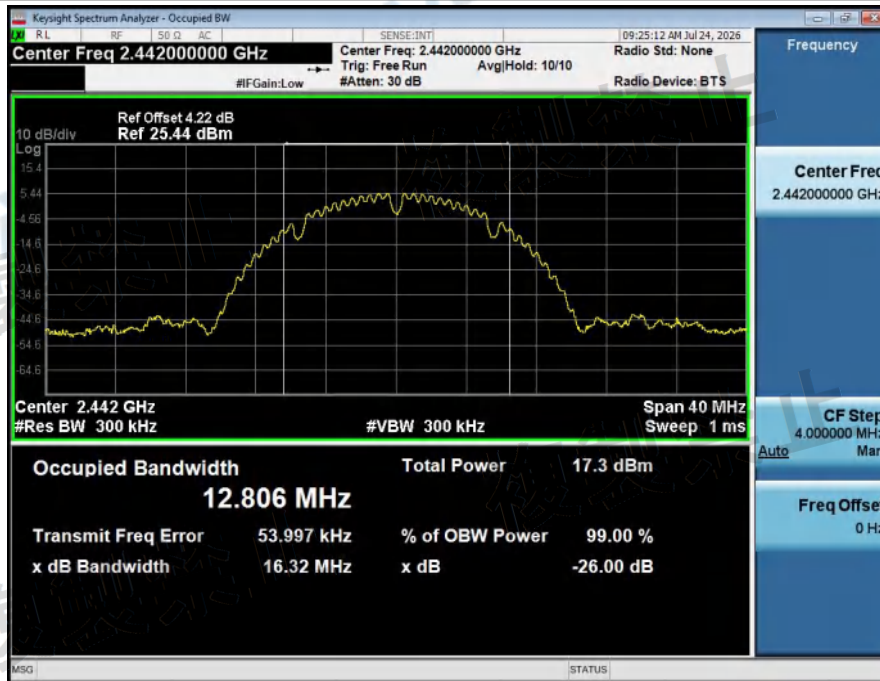
1. Occupied Frequency Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	Occupied Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11b	2412.00	12.68	<26	Pass
NVNT	ANT1	802.11b	2442.00	12.81	<26	Pass
NVNT	ANT1	802.11b	2472.00	12.81	<26	Pass
NVNT	ANT1	802.11g	2412.00	16.73	<26	Pass
NVNT	ANT1	802.11g	2442.00	16.81	<26	Pass
NVNT	ANT1	802.11g	2472.00	16.78	<26	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.81	<26	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	17.76	<26	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	17.78	<26	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.63	26~40	Pass
NVNT	ANT1	802.11n(HT40)	2442.00	35.92	26~40	Pass
NVNT	ANT1	802.11n(HT40)	2462.00	35.93	26~40	Pass

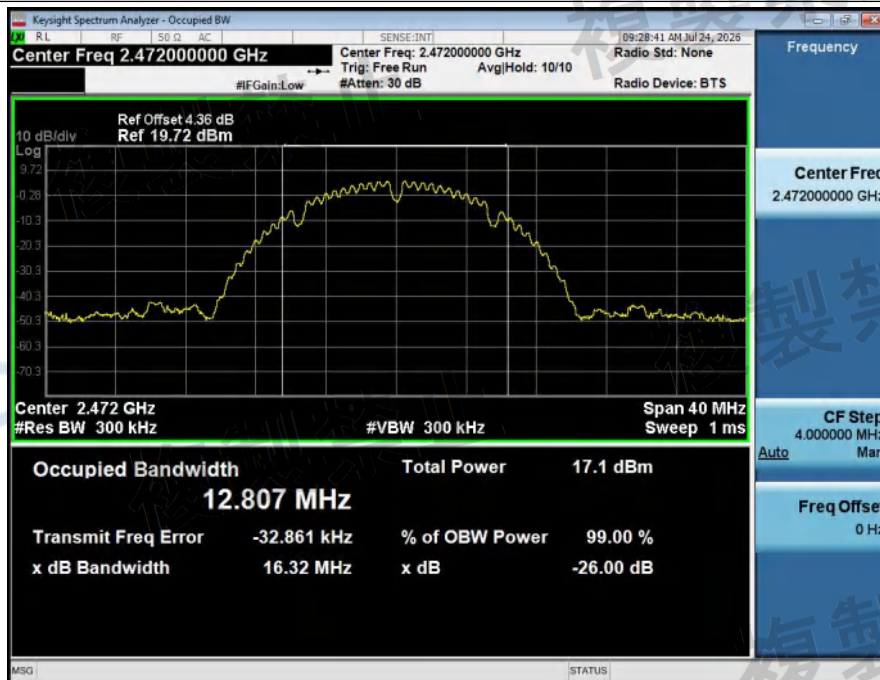
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11b_2412



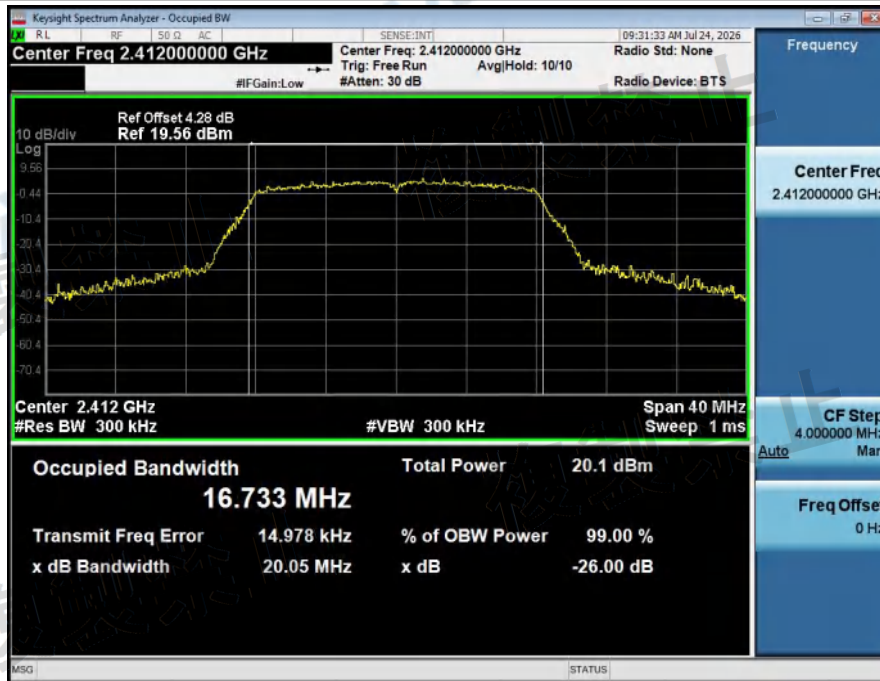
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11b_2442



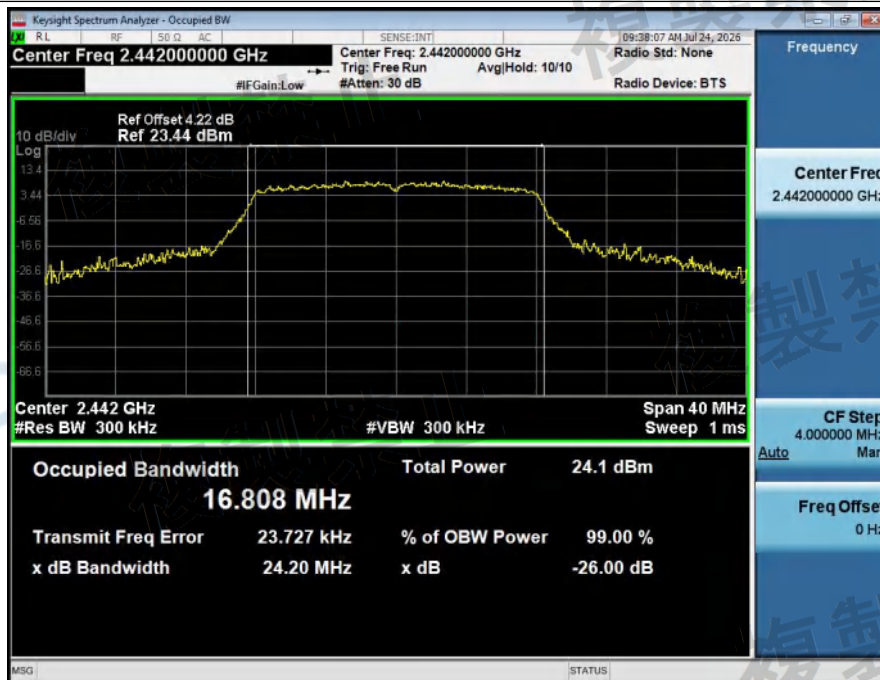
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11b_2472



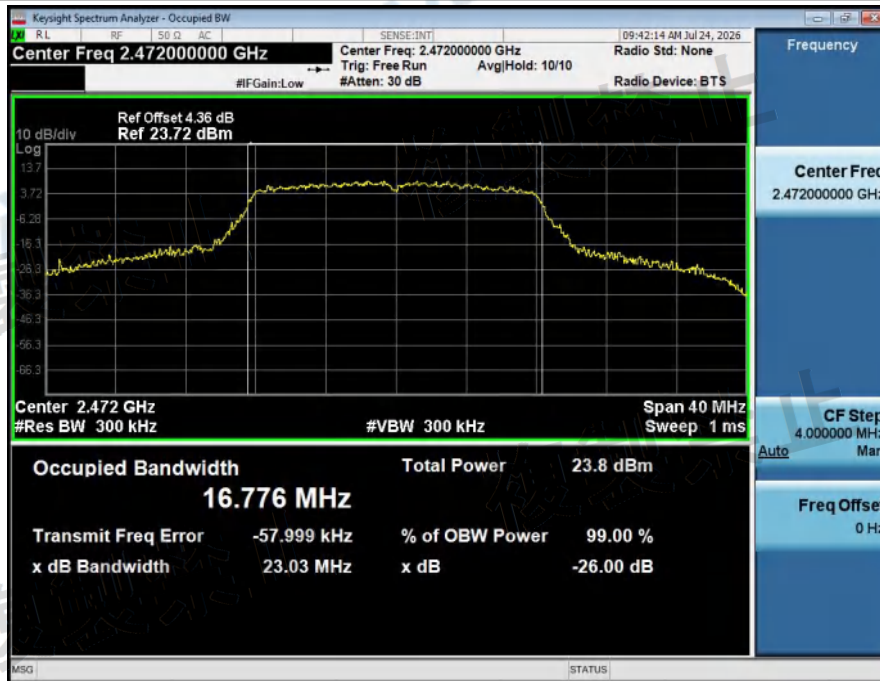
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11g_2412



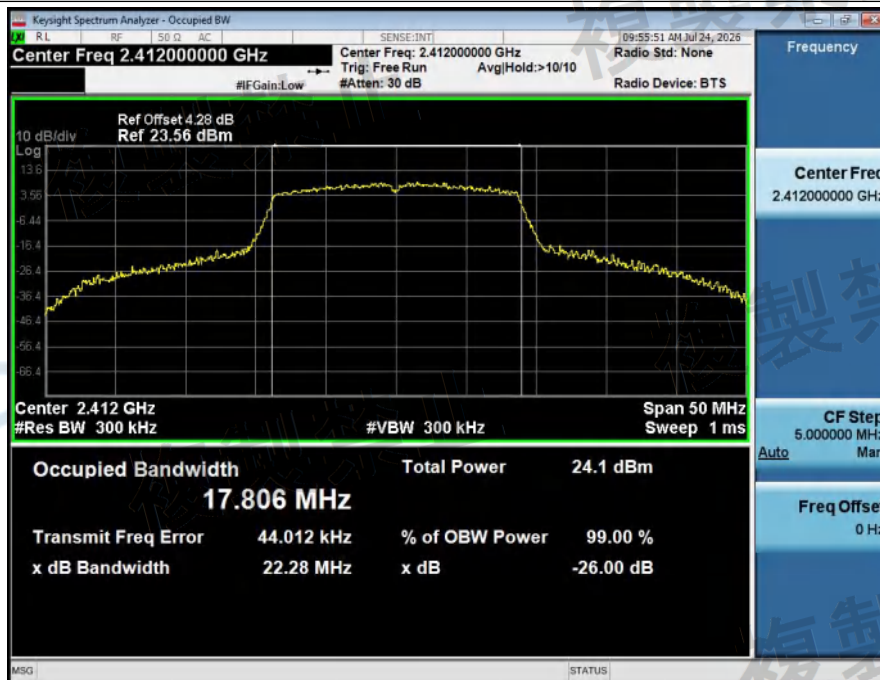
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11g_2442



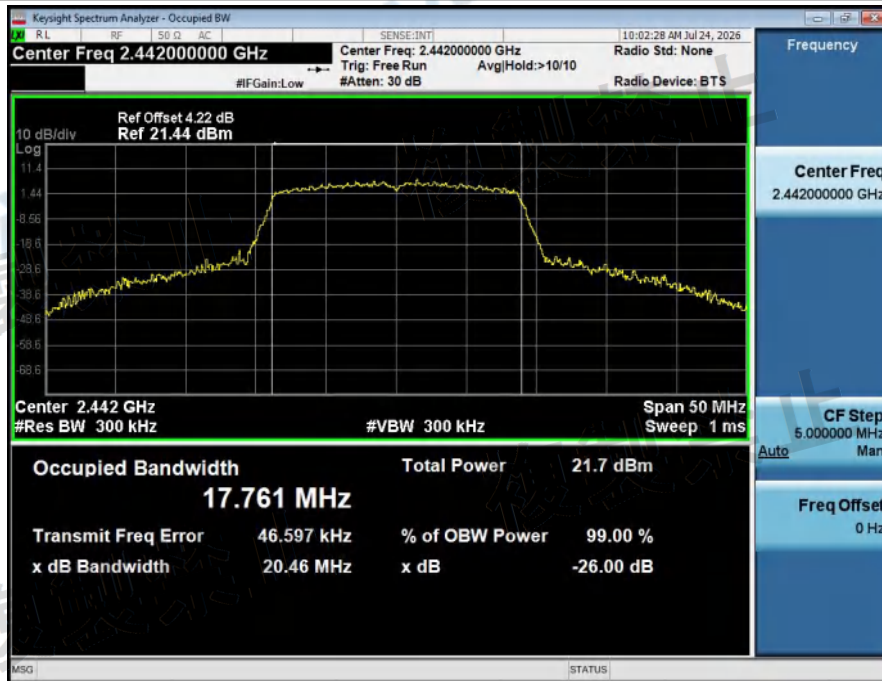
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11g_2472



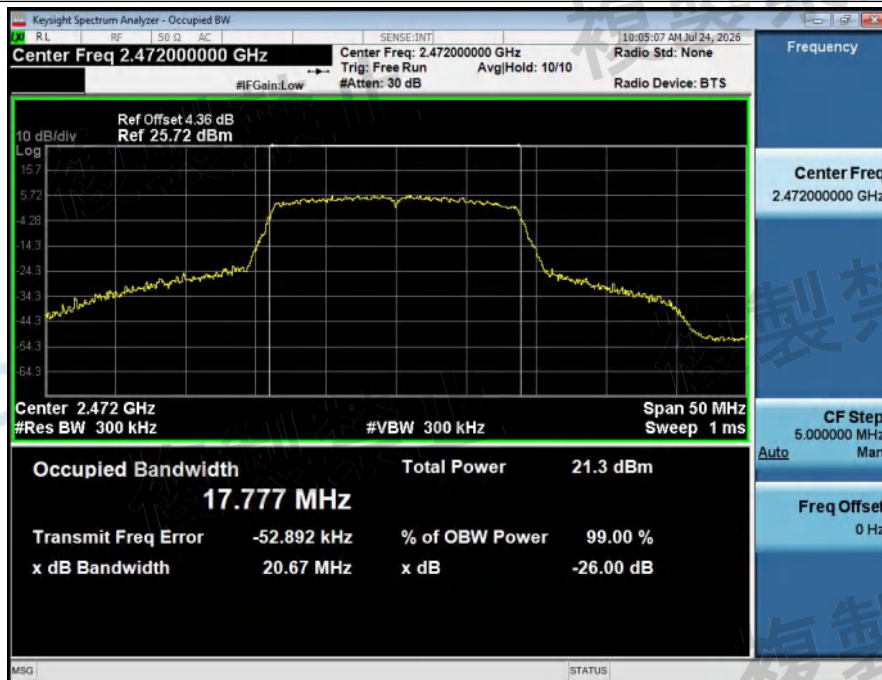
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



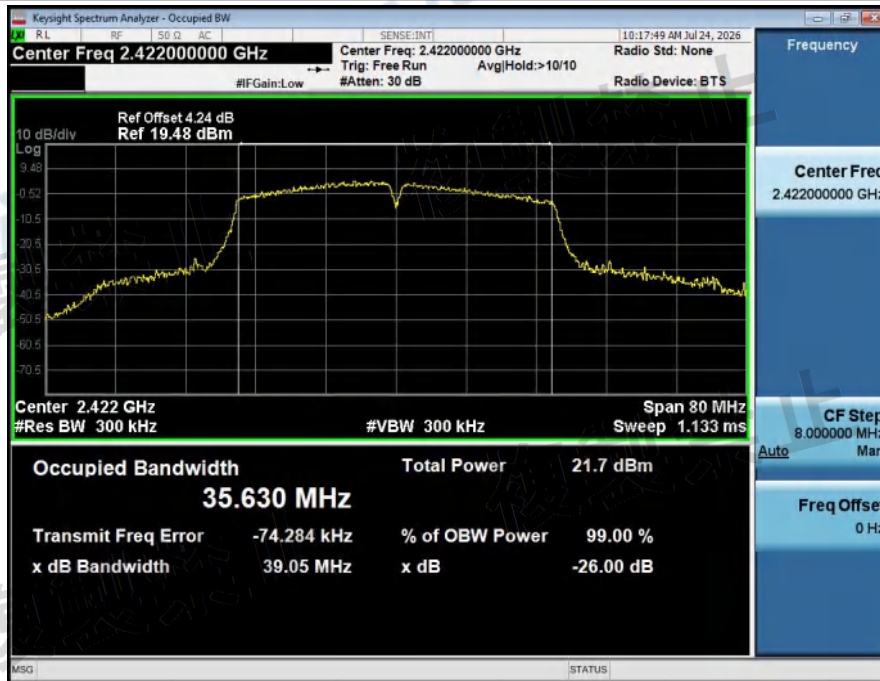
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT20)_2442



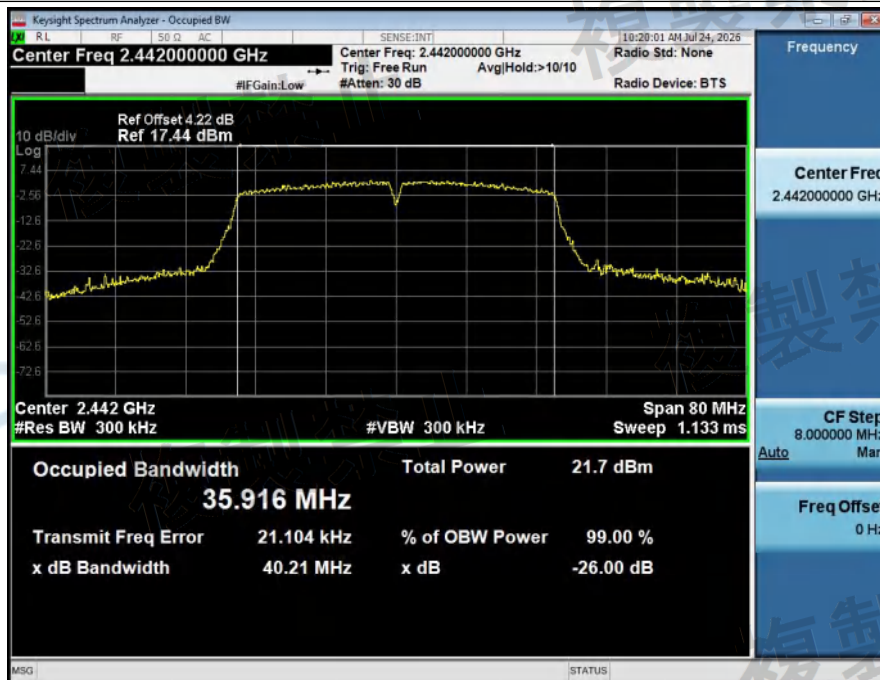
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT20)_2472



Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT40)_2442



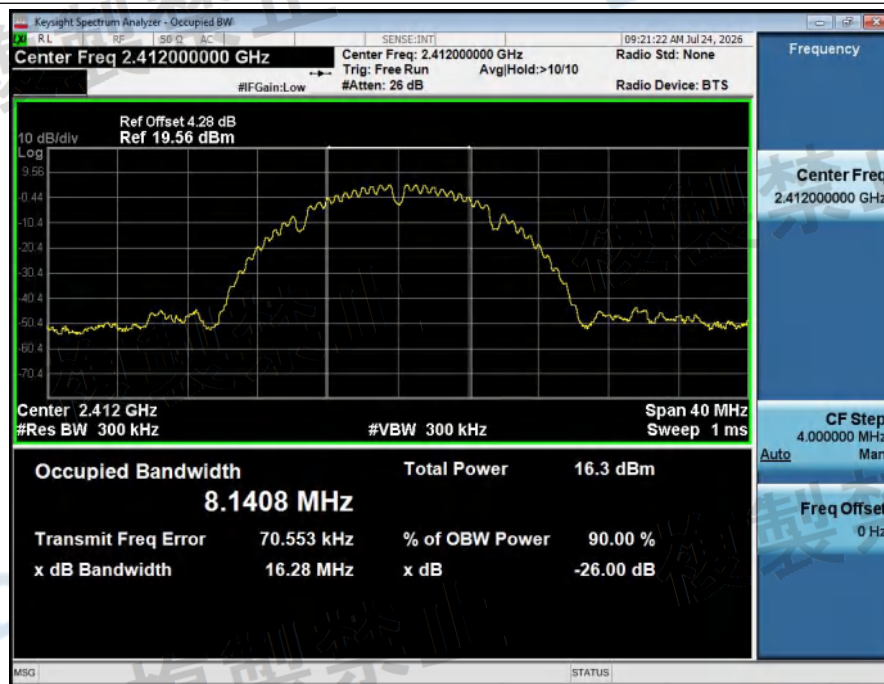
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT40)_2462



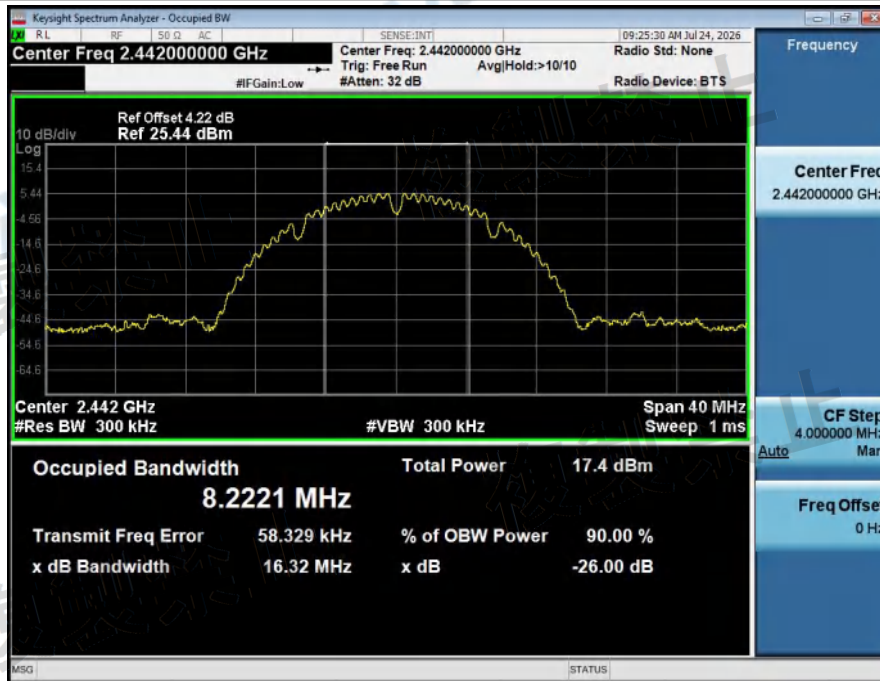
2. Spread Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	Spread Bandwidth(MHz)
NVNT	ANT1	802.11b	2412.00	8.14
NVNT	ANT1	802.11b	2442.00	8.22
NVNT	ANT1	802.11b	2472.00	8.21
NVNT	ANT1	802.11g	2412.00	14.10
NVNT	ANT1	802.11g	2442.00	14.21
NVNT	ANT1	802.11g	2472.00	14.16
NVNT	ANT1	802.11n(HT20)	2412.00	14.97
NVNT	ANT1	802.11n(HT20)	2442.00	15.09
NVNT	ANT1	802.11n(HT20)	2472.00	15.08
NVNT	ANT1	802.11n(HT40)	2422.00	28.56
NVNT	ANT1	802.11n(HT40)	2442.00	30.40
NVNT	ANT1	802.11n(HT40)	2462.00	30.55

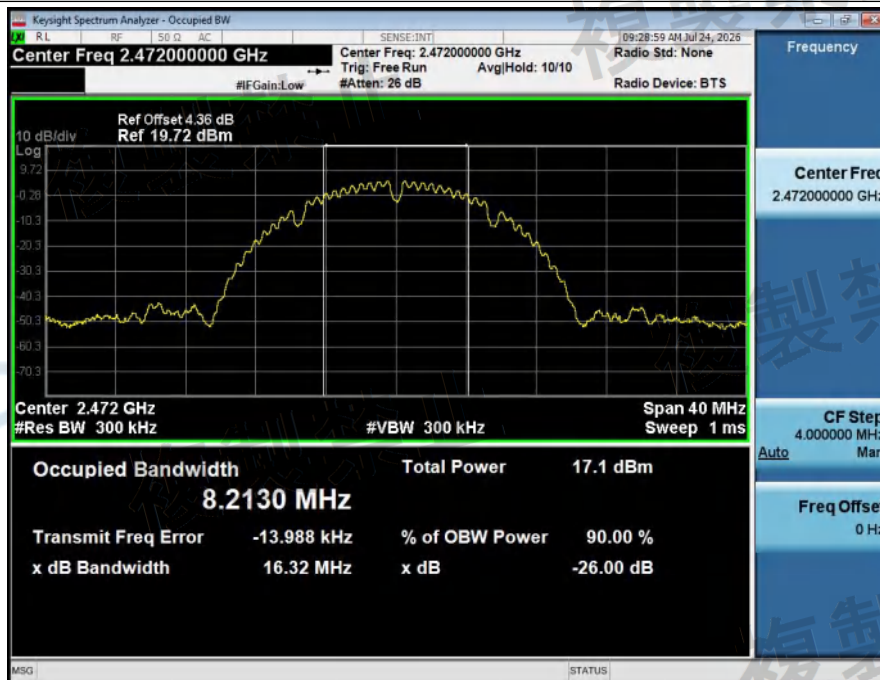
Spread_Bandwidth_NVNT_ANT1_802_11b_2412



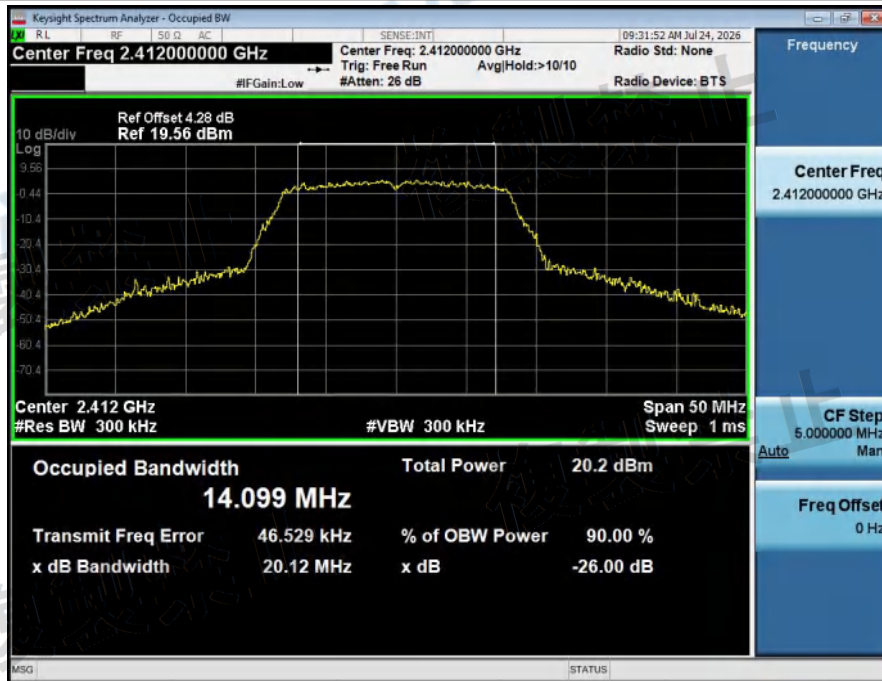
Spread_Bandwidth_NVNT_ANT1_802_11b_2442



Spread_Bandwidth_NVNT_ANT1_802_11b_2472



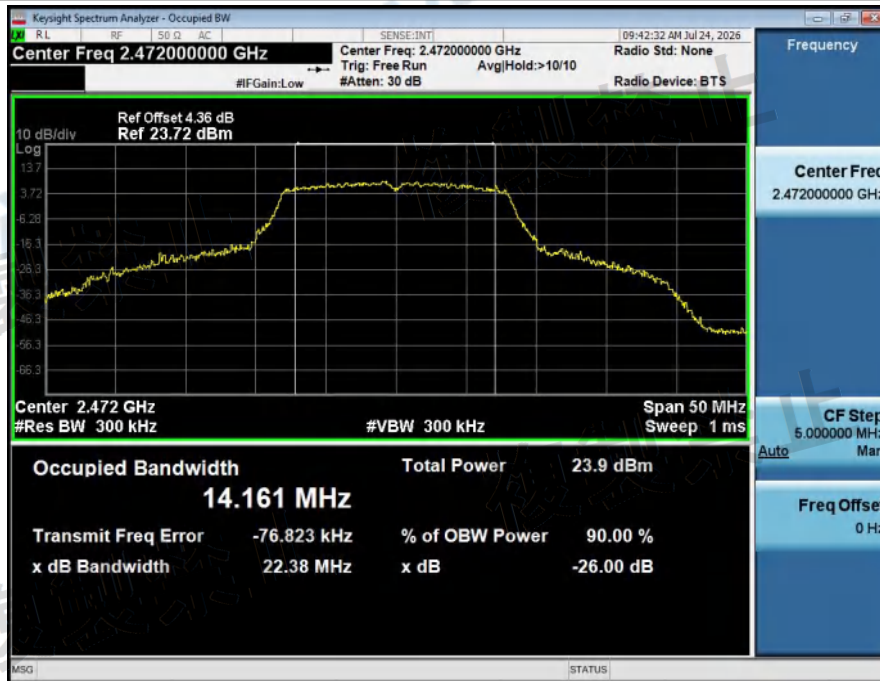
Spread_Bandwidth_NVNT_ANT1_802_11g_2412



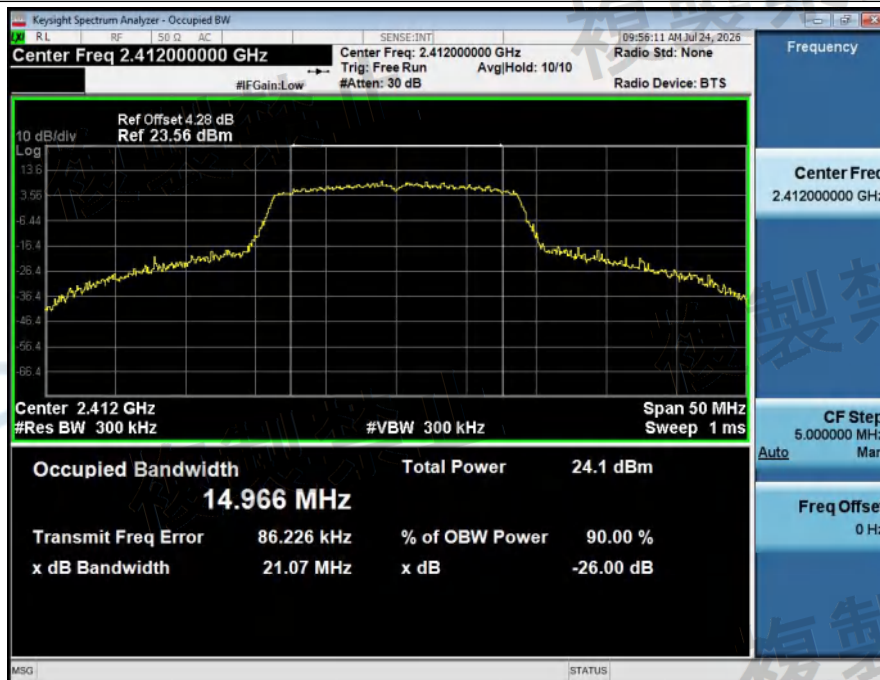
Spread_Bandwidth_NVNT_ANT1_802_11g_2442



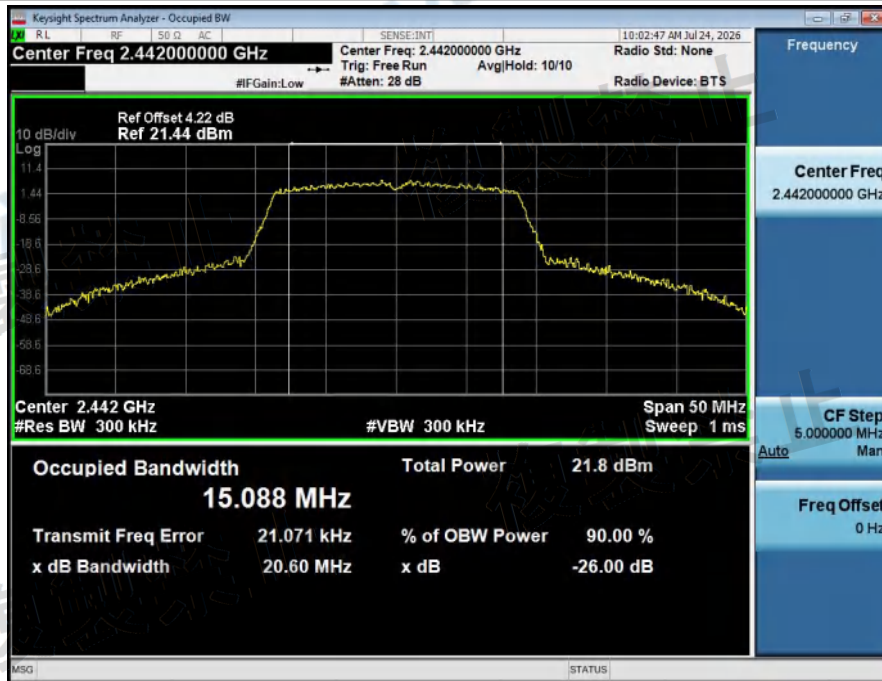
Spread_Bandwidth_NVNT_ANT1_802_11g_2472



Spread_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



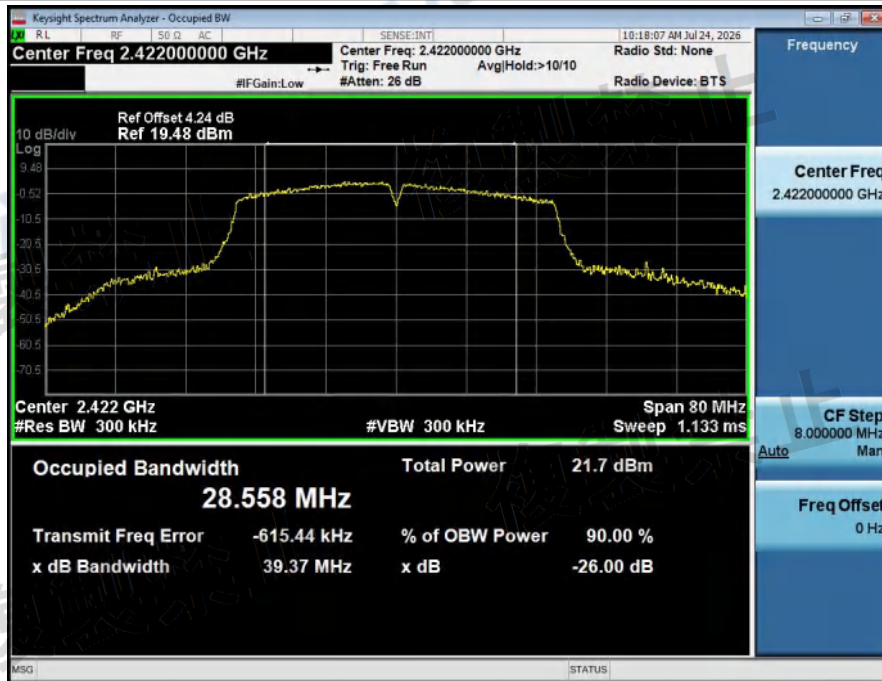
Spread_Bandwidth_NVNT_ANT1_802_11n(HT20)_2442



Spread_Bandwidth_NVNT_ANT1_802_11n(HT20)_2472



Spread_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



Spread_Bandwidth_NVNT_ANT1_802_11n(HT40)_2442



Spread_Bandwidth_NVNT_ANT1_802_11n(HT40)_2462



3. Antenna Power

Condition	Antenna	Mode	Frequency	Measured Power (dBm)	Antenna Power (mW/MHz)	Rated Power (mW/MHz)	Power Limit (mW/MHz)	Power Tolerance (%)	Tolerance Limit (%)	Result
NVNT	ANT1	802.11b	2412.00	4.32	2.70	3	10.00	-9.87	+20	Pass
NVNT	ANT1	802.11b	2442.00	4.21	2.64	3	10.00	-12.12	+20	Pass
NVNT	ANT1	802.11b	2472.00	4.03	2.53	3	10.00	-15.69	+20	Pass
NVNT	ANT1	802.11g	2412.00	4.41	2.76	3	10.00	-7.98	+20	Pass
NVNT	ANT1	802.11g	2442.00	4.23	2.65	3	10.00	-11.72	+20	Pass
NVNT	ANT1	802.11g	2472.00	4.13	2.59	3	10.00	-13.73	+20	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2.40	1.74	2	10.00	-13.11	+20	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	2.18	1.65	2	10.00	-17.40	+20	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	2.33	1.71	2	10.00	-14.50	+20	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-0.18	0.96	1	5.00	-4.06	+20	Pass
NVNT	ANT1	802.11n(HT40)	2442.00	-0.53	0.89	1	5.00	-11.49	+20	Pass
NVNT	ANT1	802.11n(HT40)	2462.00	-1.09	0.78	1	5.00	-22.20	+20	Pass

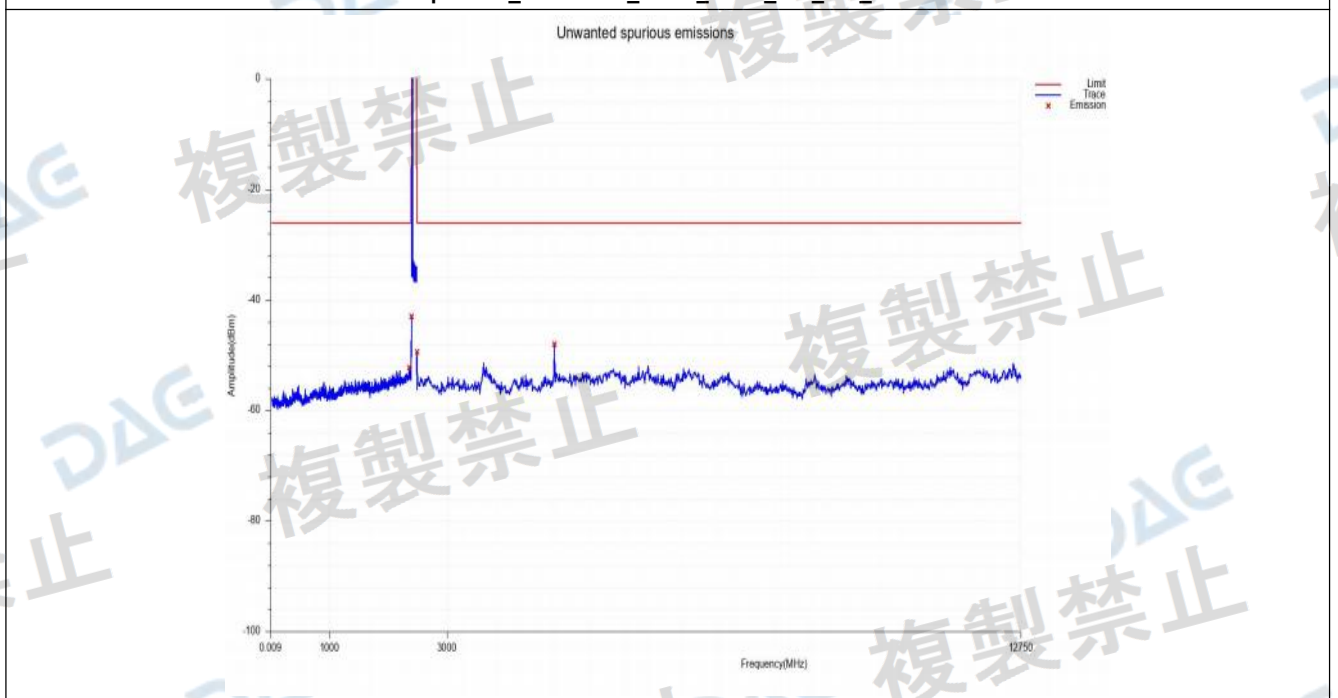
Condition	Antenna	Mode	Frequency	Measured Power(dBm/MHz)	Antenna Gain(dBi)	EIRP(dBm/MHz)	EIRP Limit(dBm/MHz)	Result
NVNT	ANT1	802.11b	2412.00	4.32	1.17	5.49	12.14	Pass
NVNT	ANT1	802.11b	2442.00	4.21	1.17	5.38	12.14	Pass
NVNT	ANT1	802.11b	2472.00	4.03	1.17	5.20	12.14	Pass
NVNT	ANT1	802.11g	2412.00	4.41	1.17	5.58	12.14	Pass
NVNT	ANT1	802.11g	2442.00	4.23	1.17	5.40	12.14	Pass
NVNT	ANT1	802.11g	2472.00	4.13	1.17	5.30	12.14	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2.40	1.17	3.57	12.14	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	2.18	1.17	3.35	12.14	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	2.33	1.17	3.50	12.14	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-0.18	1.17	0.99	9.13	Pass
NVNT	ANT1	802.11n(HT40)	2442.00	-0.53	1.17	0.64	9.13	Pass
NVNT	ANT1	802.11n(HT40)	2462.00	-1.09	1.17	0.08	9.13	Pass

4. Spurious Emissions

Condition	Mode	Frequency (MHz)	Frequency Area(MHz)	RBW (kHz)	Spur. Fre. (MHz)	Spur. Level (dBm/MHz)	Limit (dBm/MHz)	Spur. Level	Limit	Result
NVNT	802.11b	2412.00	30.00~2387.00	1000	2358.72	-52.31	-26	0.0058μW/MHz	2.5μW/MHz	Pass
NVNT	802.11b	2412.00	2387.00~2400.00	1000	2398.57	-42.95	-16	0.0506μW/MHz	25μW/MHz	Pass
NVNT	802.11b	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11b	2412.00	2483.50~2496.50	1000	2491.01	-49.38	-16	0.0115μW/MHz	25μW/MHz	Pass
NVNT	802.11b	2412.00	2496.50~13000.00	1000	4828.28	-48.06	-26	0.0156μW/MHz	2.5μW/MHz	Pass
NVNT	802.11b	2442.00	30.00~2387.00	1000	2387.00	-53.05	-26	0.0049μW/MHz	2.5μW/MHz	Pass
NVNT	802.11b	2442.00	2387.00~2400.00	1000	2394.88	-50.61	-16	0.0086μW/MHz	25μW/MHz	Pass
NVNT	802.11b	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11b	2442.00	2483.50~2496.50	1000	2485.74	-48.55	-16	0.0139μW/MHz	25μW/MHz	Pass
NVNT	802.11b	2442.00	2496.50~13000.00	1000	4880.79	-47.61	-26	0.0173μW/MHz	2.5μW/MHz	Pass
NVNT	802.11b	2472.00	30.00~2387.00	1000	2247.94	-52.72	-26	0.0053μW/MHz	2.5μW/MHz	Pass
NVNT	802.11b	2472.00	2387.00~2400.00	1000	2397.02	-50.77	-16	0.0083μW/MHz	25μW/MHz	Pass
NVNT	802.11b	2472.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11b	2472.00	2483.50~2496.50	1000	2486.14	-42.49	-16	0.0563μW/MHz	25μW/MHz	Pass
NVNT	802.11b	2472.00	2496.50~13000.00	1000	2496.50	-49.80	-26	0.0104μW/MHz	2.5μW/MHz	Pass
NVNT	802.11g	2412.00	30.00~2387.00	1000	2387.00	-49.55	-26	0.0111μW/MHz	2.5μW/MHz	Pass
NVNT	802.11g	2412.00	2387.00~2400.00	1000	2399.87	-20.07	-16	9.8477μW/MHz	25μW/MHz	Pass
NVNT	802.11g	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11g	2412.00	2483.50~2496.50	1000	2484.01	-45.53	-16	0.0279μW/MHz	25μW/MHz	Pass
NVNT	802.11g	2412.00	2496.50~13000.00	1000	12002.17	-50.64	-26	0.0086μW/MHz	2.5μW/MHz	Pass
NVNT	802.11g	2442.00	30.00~2387.00	1000	2387.00	-49.51	-26	0.0112μW/MHz	2.5μW/MHz	Pass
NVNT	802.11g	2442.00	2387.00~2400.00	1000	2399.44	-37.92	-16	0.1615μW/MHz	25μW/MHz	Pass
NVNT	802.11g	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11g	2442.00	2483.50~2496.50	1000	2483.55	-35.13	-16	0.3067μW/MHz	25μW/MHz	Pass
NVNT	802.11g	2442.00	2496.50~13000.00	1000	4880.79	-50.00	-26	0.0099μW/MHz	2.5μW/MHz	Pass
NVNT	802.11g	2472.00	30.00~2387.00	1000	2387.00	-50.52	-26	0.0088μW/MHz	2.5μW/MHz	Pass
NVNT	802.11g	2472.00	2387.00~2400.00	1000	2396.97	-48.80	-16	0.0131μW/MHz	25μW/MHz	Pass
NVNT	802.11g	2472.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11g	2472.00	2483.50~2496.50	1000	2484.07	-17.30	-16	18.6159μW/MHz	25μW/MHz	Pass
NVNT	802.11g	2472.00	2496.50~13000.00	1000	2496.50	-36.50	-26	0.2238μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT20)	2412.00	30.00~2387.00	1000	2387.00	-38.01	-26	0.1580μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT20)	2412.00	2387.00~2400.00	1000	2399.22	-16.57	-16	22.0160μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT20)	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11n(HT20)	2412.00	2483.50~2496.50	1000	2489.57	-45.42	-16	0.0286μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT20)	2412.00	2496.50~13000.00	1000	4828.28	-48.90	-26	0.0128μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT20)	2442.00	30.00~2387.00	1000	2332.79	-51.80	-26	0.0066μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT20)	2442.00	2387.00~2400.00	1000	2396.23	-47.57	-16	0.0175μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT20)	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11n(HT20)	2442.00	2483.50~2496.50	1000	2483.55	-44.38	-16	0.0365μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT20)	2442.00	2496.50~13000.00	1000	2496.50	-50.60	-26	0.0087μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT20)	2472.00	30.00~2387.00	1000	2387.00	-50.77	-26	0.0083μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT20)	2472.00	2387.00~2400.00	1000	2393.06	-47.06	-16	0.0196μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT20)	2472.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11n(HT20)	2472.00	2483.50~2496.50	1000	2484.44	-16.85	-16	20.6732μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT20)	2472.00	2496.50~13000.00	1000	2496.50	-31.53	-26	0.7035μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT40)	2422.00	30.00~2387.00	1000	2387.00	-33.29	-26	0.4690μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT40)	2422.00	2387.00~2400.00	1000	2399.38	-17.71	-16	16.9499μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT40)	2422.00	2400.00~2483.50	/	/	/	/	/	/	/

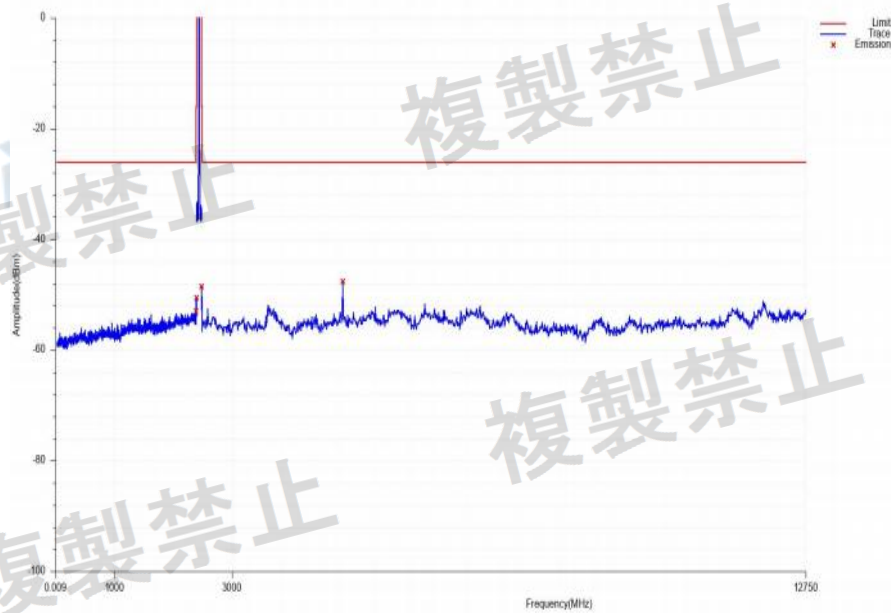
NVNT	802.11n(HT40)	2422.00	2483.50~2496.50	1000	2486.93	-41.84	-16	0.0654μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT40)	2422.00	2496.50~13000.00	1000	2496.50	-49.44	-26	0.0113μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT40)	2442.00	30.00~2387.00	1000	2387.00	-42.39	-26	0.0576μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT40)	2442.00	2387.00~2400.00	1000	2399.62	-28.54	-16	1.4009μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT40)	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11n(HT40)	2442.00	2483.50~2496.50	1000	2483.66	-25.14	-16	3.0642μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT40)	2442.00	2496.50~13000.00	1000	2496.50	-42.96	-26	0.0505μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT40)	2462.00	30.00~2387.00	1000	2387.00	-47.68	-26	0.0170μW/MHz	2.5μW/MHz	Pass
NVNT	802.11n(HT40)	2462.00	2387.00~2400.00	1000	2399.84	-40.62	-16	0.0867μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT40)	2462.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	802.11n(HT40)	2462.00	2483.50~2496.50	1000	2483.75	-19.58	-16	11.0228μW/MHz	25μW/MHz	Pass
NVNT	802.11n(HT40)	2462.00	2496.50~13000.00	1000	2496.50	-28.50	-26	1.4115μW/MHz	2.5μW/MHz	Pass

Spurious_Emissions_NVNT_ANT1_802_11b_2412



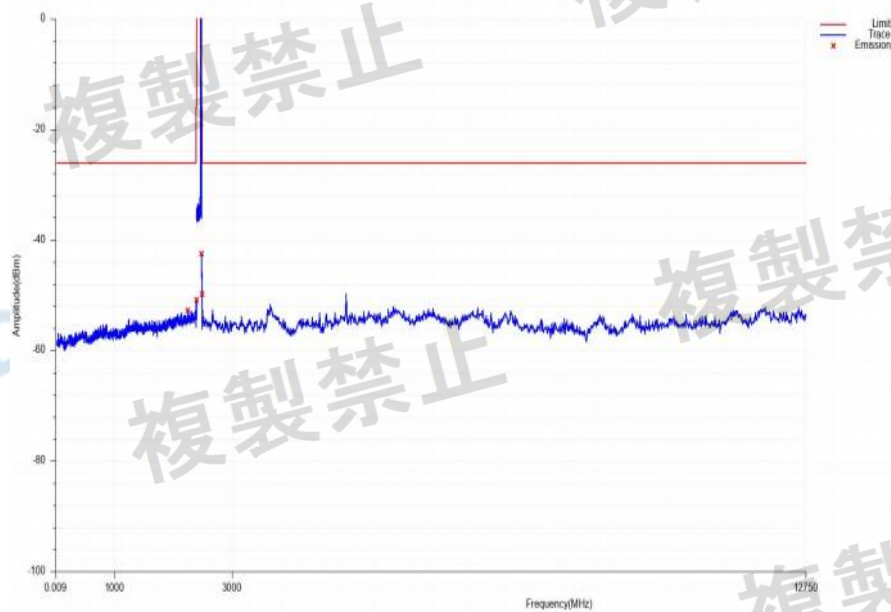
Spurious_Emissions_NVNT_ANT1_802_11b_2442

Unwanted spurious emissions



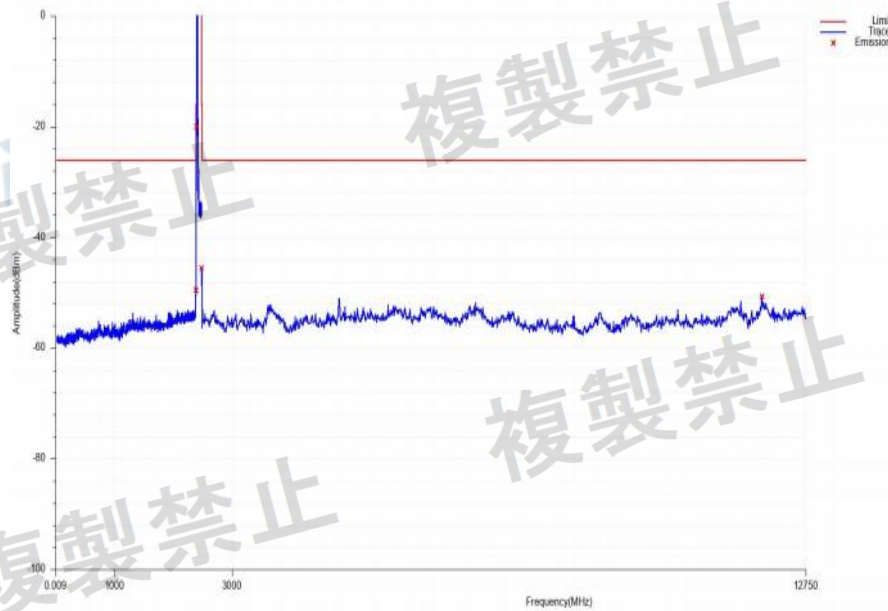
Spurious_Emissions_NVNT_ANT1_802_11b_2472

Unwanted spurious emissions



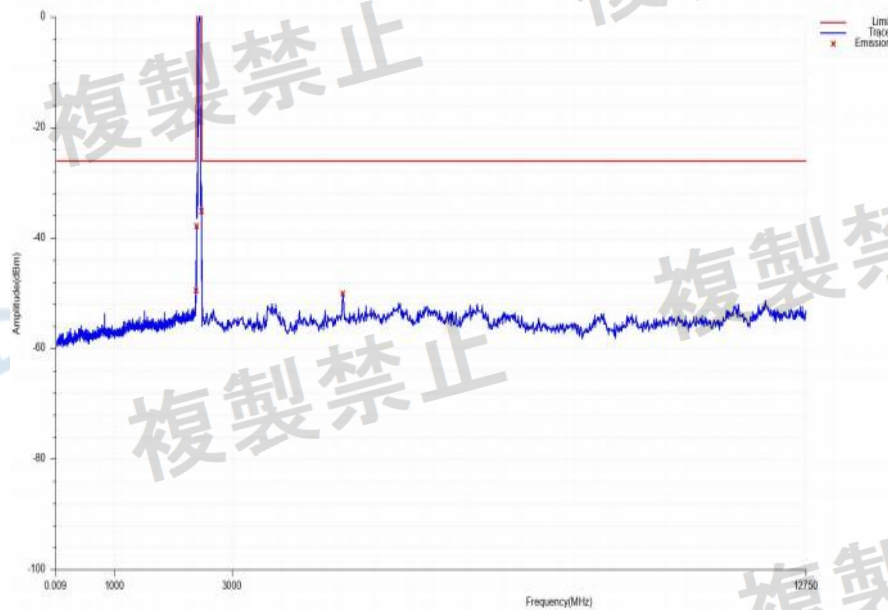
Spurious_Emissions_NVNT_ANT1_802_11g_2412

Unwanted spurious emissions



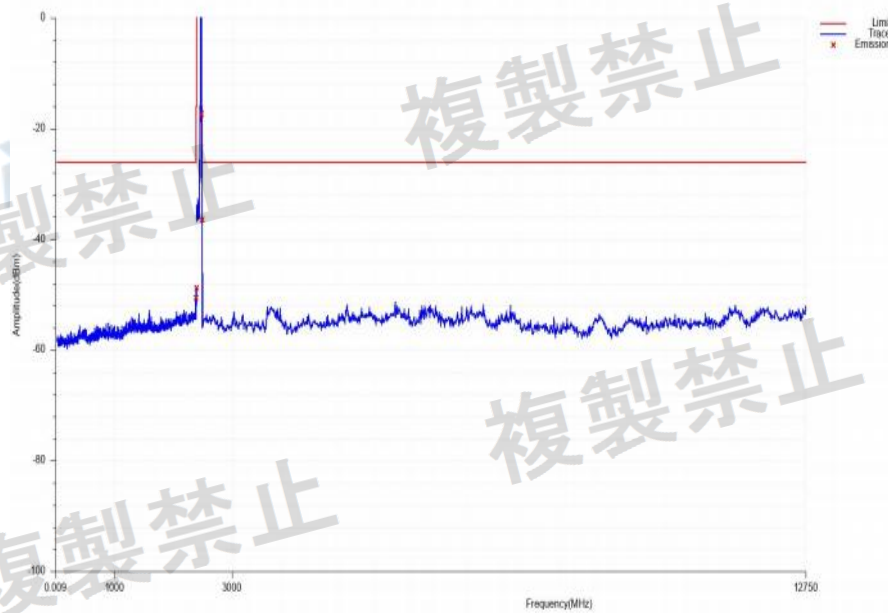
Spurious_Emissions_NVNT_ANT1_802_11g_2442

Unwanted spurious emissions



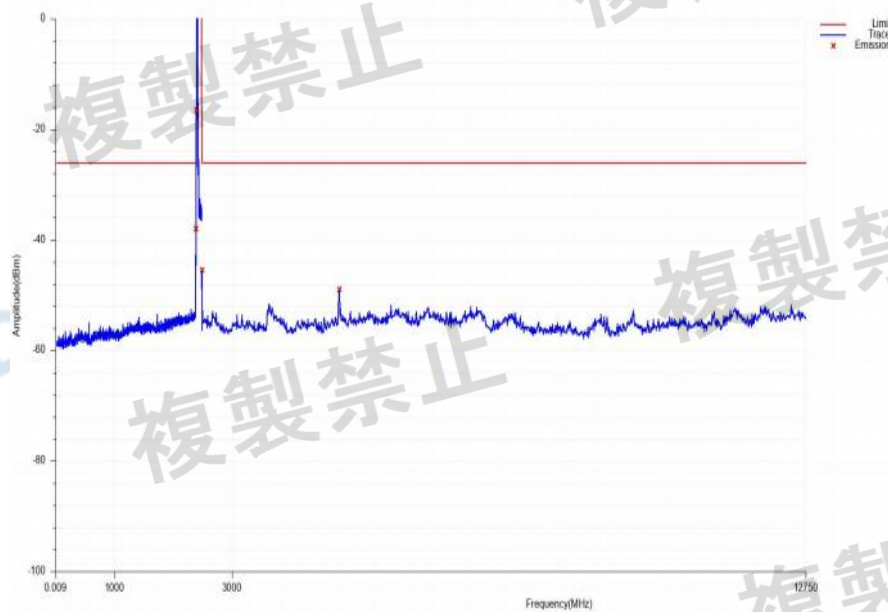
Spurious_Emissions_NVNT_ANT1_802_11g_2472

Unwanted spurious emissions

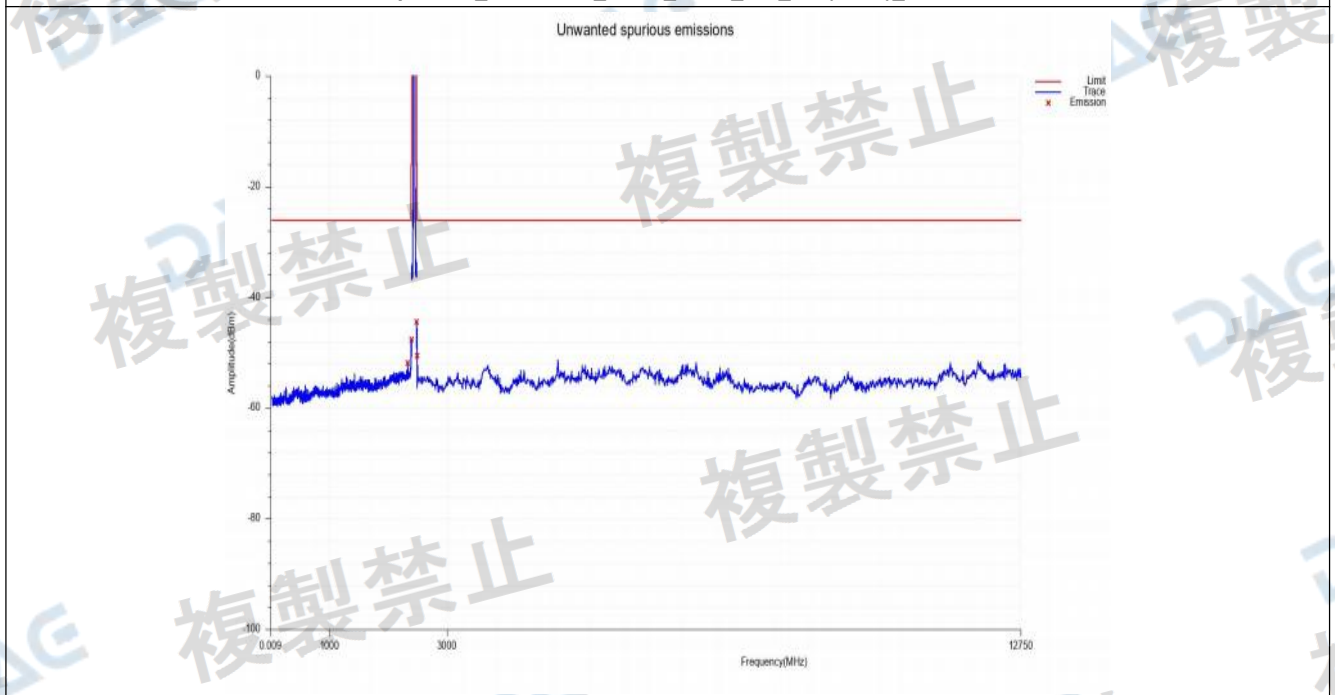


Spurious_Emissions_NVNT_ANT1_802_11n(HT20)_2412

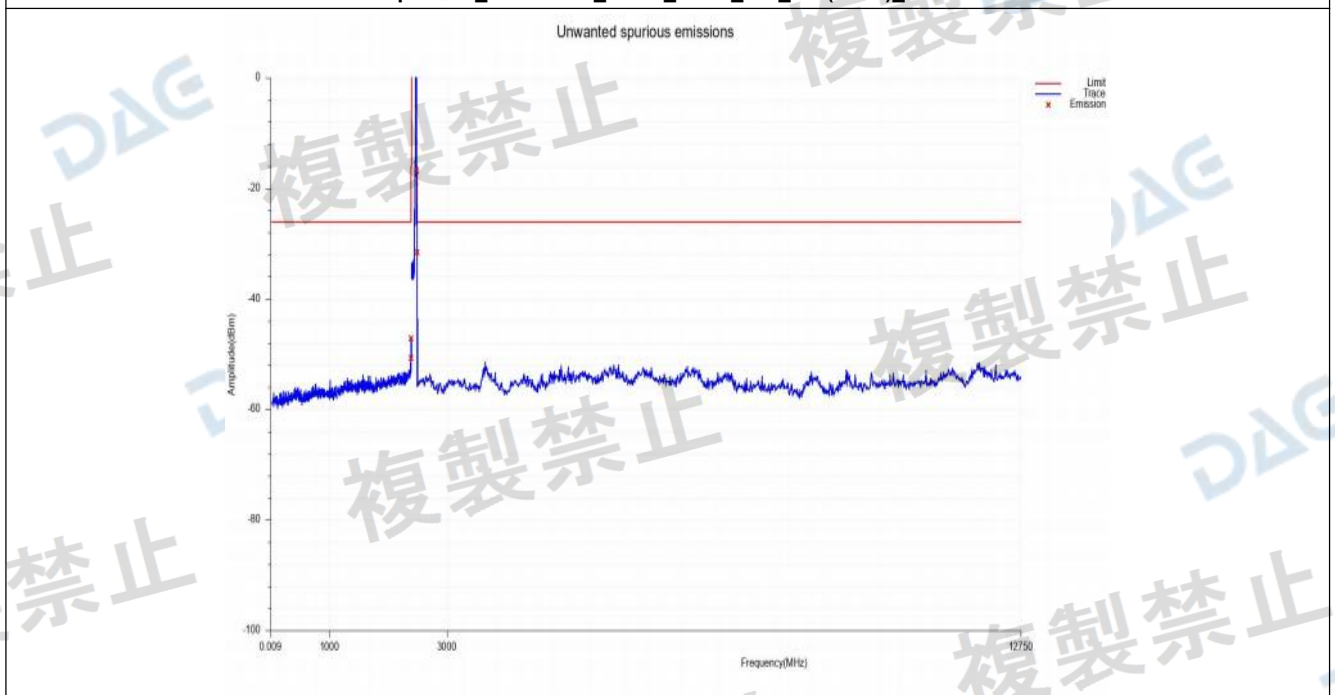
Unwanted spurious emissions



Spurious_Emissions_NVNT_ANT1_802_11n(HT20)_2442

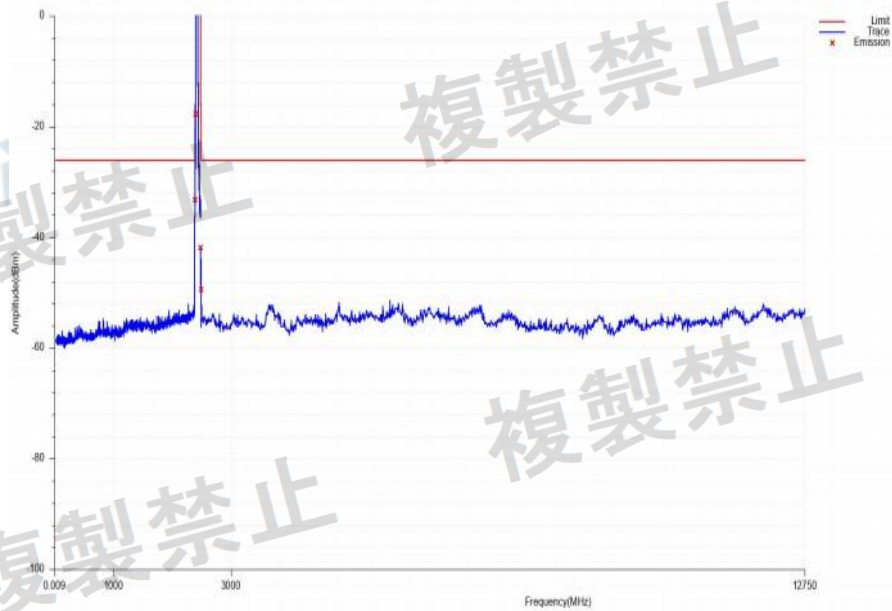


Spurious_Emissions_NVNT_ANT1_802_11n(HT20)_2472



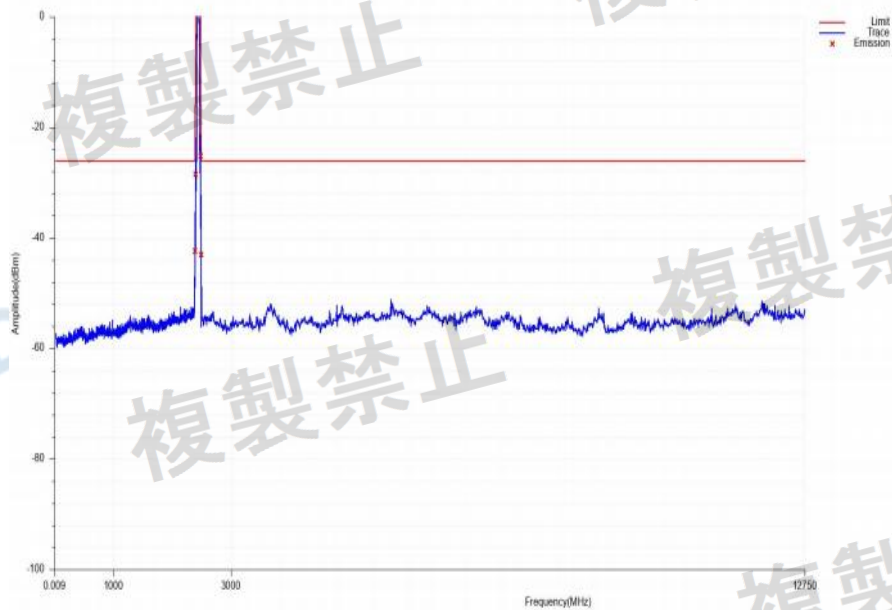
Spurious_Emissions_NVNT_ANT1_802_11n(HT40)_2422

Unwanted spurious emissions



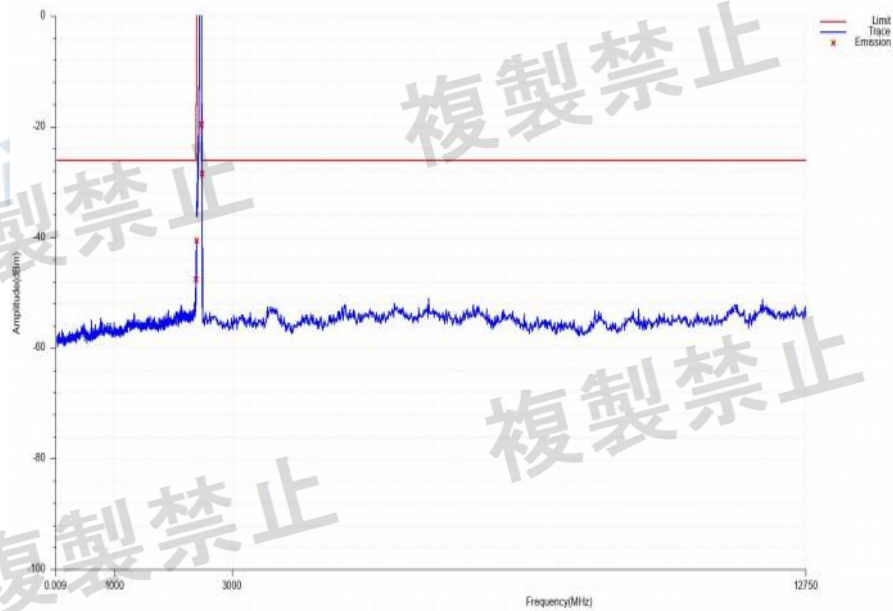
Spurious_Emissions_NVNT_ANT1_802_11n(HT40)_2442

Unwanted spurious emissions



Spurious_Emissions_NVNT_ANT1_802_11n(HT40)_2462

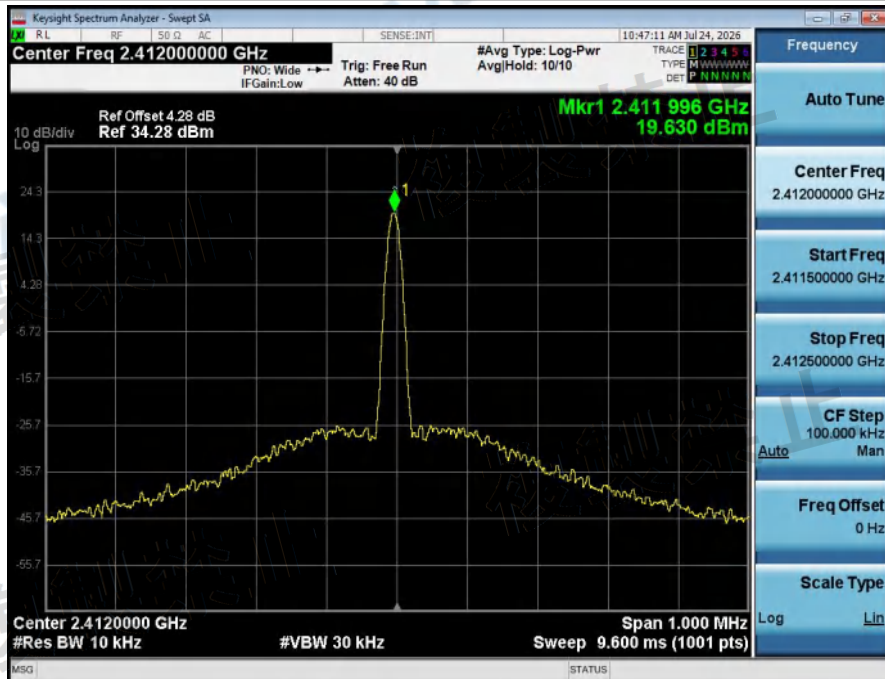
Unwanted spurious emissions



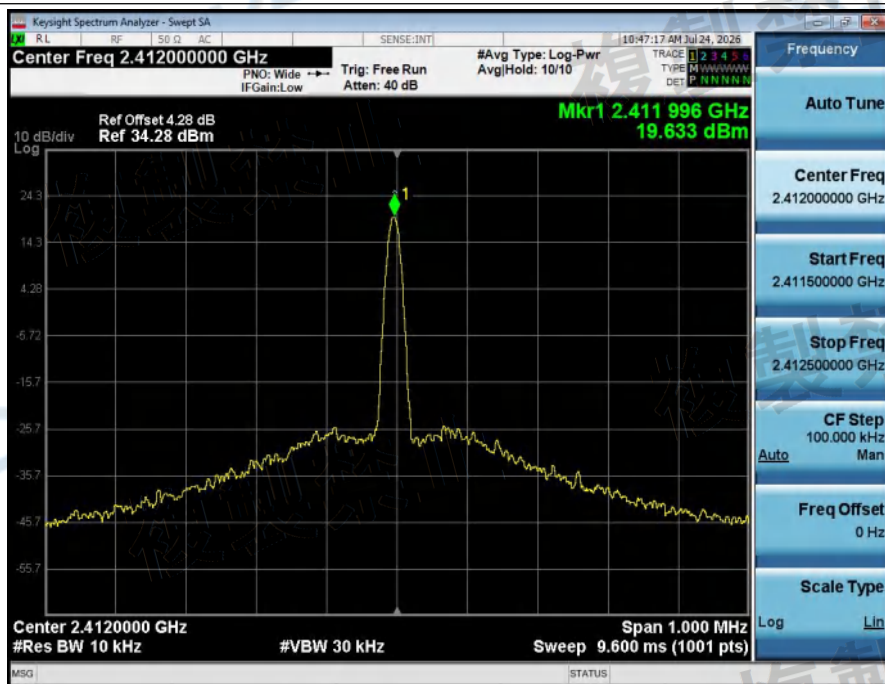
5. Frequency Tolerance

Condition	Antenna	Modulation	Frequency (MHz)	Test Frequency(MHz)	Frequency Tolerance(ppm)	Limit(ppm)	Result
NTNV	ANT1	un-modulation	2412.000000	2411.996	-1.658	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.996	-1.658	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.996	-1.658	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.995	-2.023	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.995	-2.023	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.995	-2.023	±50	Pass
NTNV	ANT1	un-modulation	2412.000000	2411.996	-1.658	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.996	-1.658	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.996	-1.658	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.995	-2.023	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.995	-2.023	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.995	-2.023	±50	Pass
NTNV	ANT1	un-modulation	2412.000000	2411.997	-1.244	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.997	-1.244	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.997	-1.244	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.996	-1.638	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.996	-1.618	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.996	-1.618	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.996	-1.618	±50	Pass
NTNV	ANT1	un-modulation	2422.000000	2421.995	-2.064	±50	Pass
NTLV	ANT1	un-modulation	2422.000000	2421.995	-2.064	±50	Pass
NTHV	ANT1	un-modulation	2422.000000	2421.995	-2.064	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.995	-2.048	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.995	-2.048	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.995	-2.048	±50	Pass
NTNV	ANT1	un-modulation	2462.000000	2461.995	-2.031	±50	Pass
NTLV	ANT1	un-modulation	2462.000000	2461.995	-2.031	±50	Pass
NTHV	ANT1	un-modulation	2462.000000	2461.995	-2.031	±50	Pass

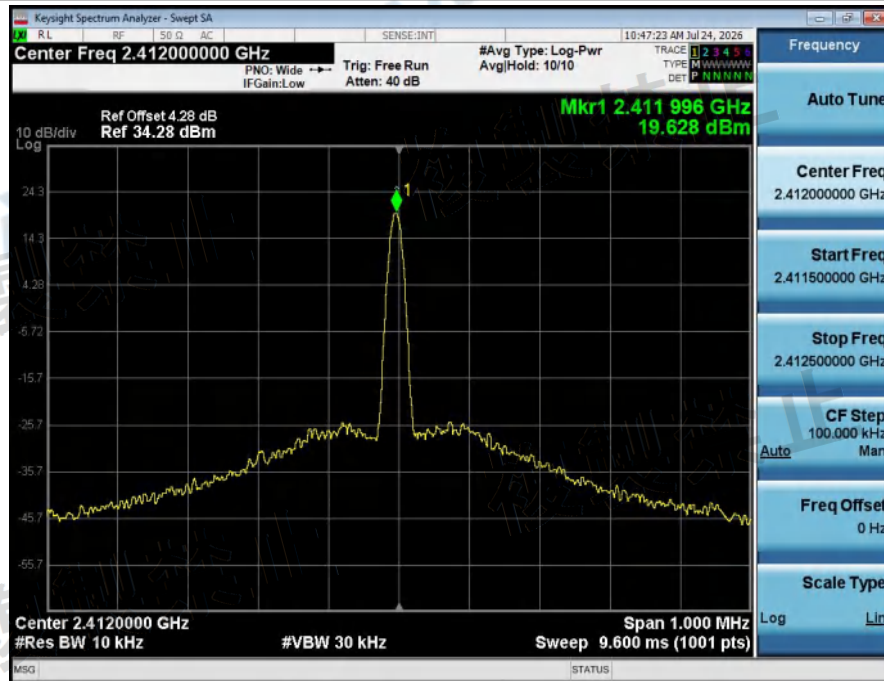
Frequency_Tolerance_NTNV_ANT1_802_11b_2412



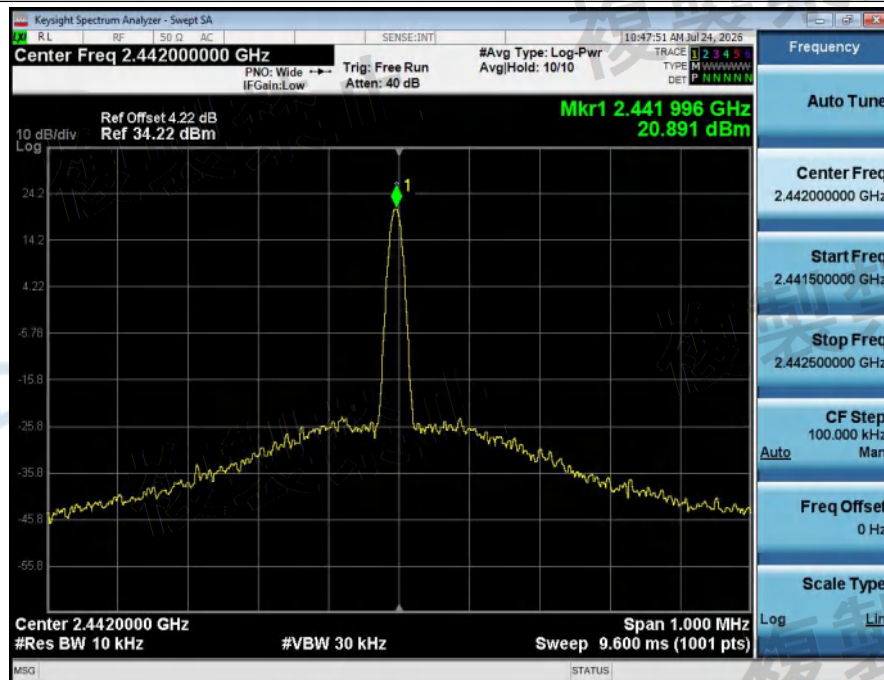
Frequency_Tolerance_NTLV_ANT1_802_11b_2412



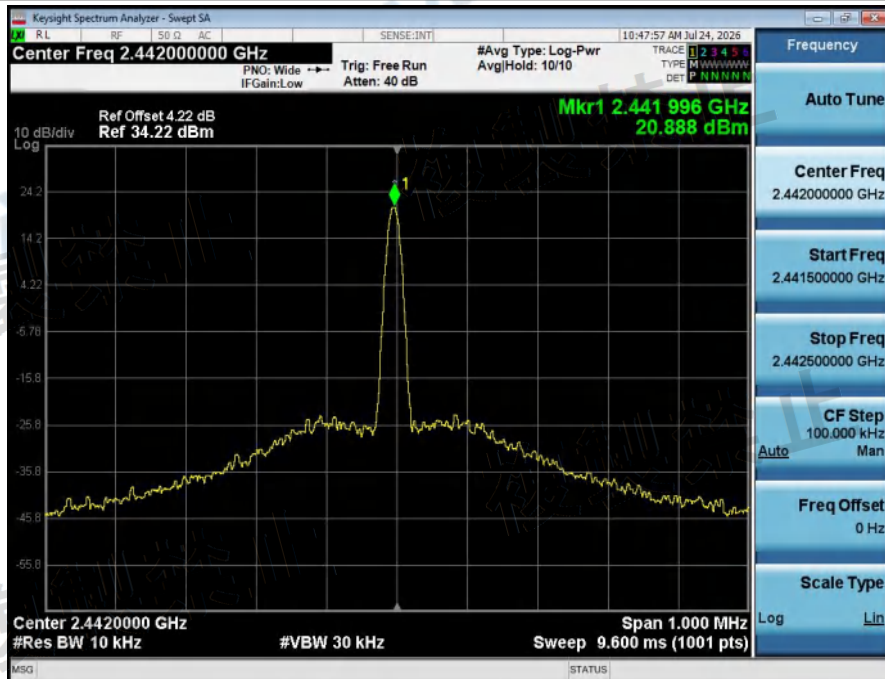
Frequency_Tolerance_NTHV_ANT1_802_11b_2412



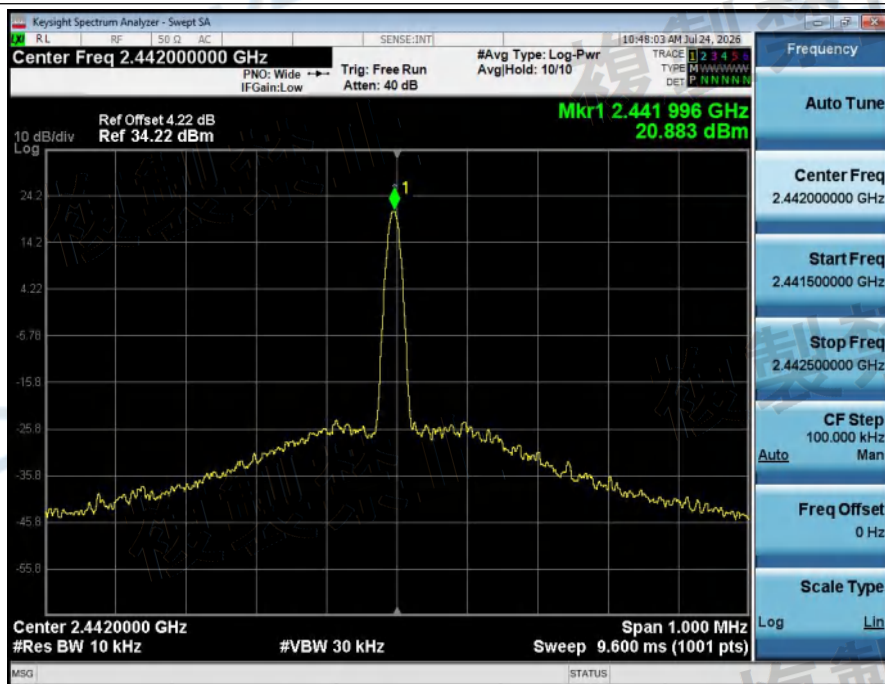
Frequency_Tolerance_NTNV_ANT1_802_11b_2442



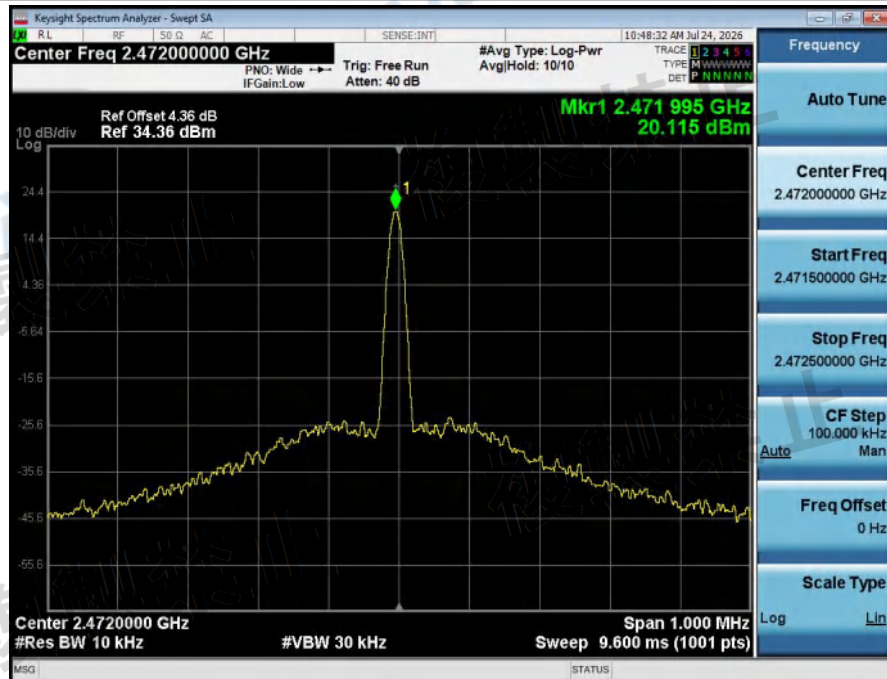
Frequency_Tolerance_NTLV_ANT1_802_11b_2442



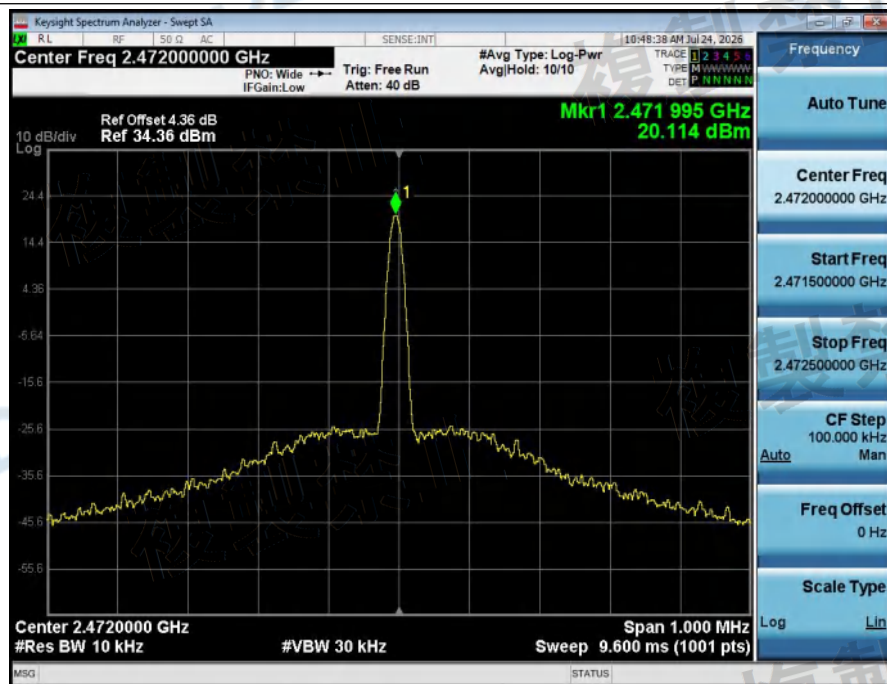
Frequency_Tolerance_NTHV_ANT1_802_11b_2442



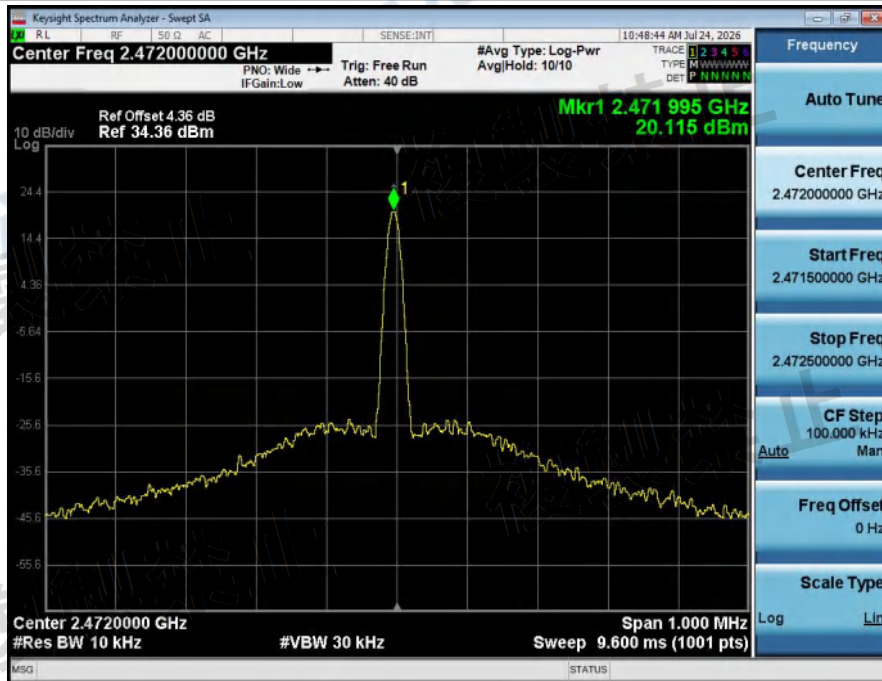
Frequency_Tolerance_NTNV_ANT1_802_11b_2472



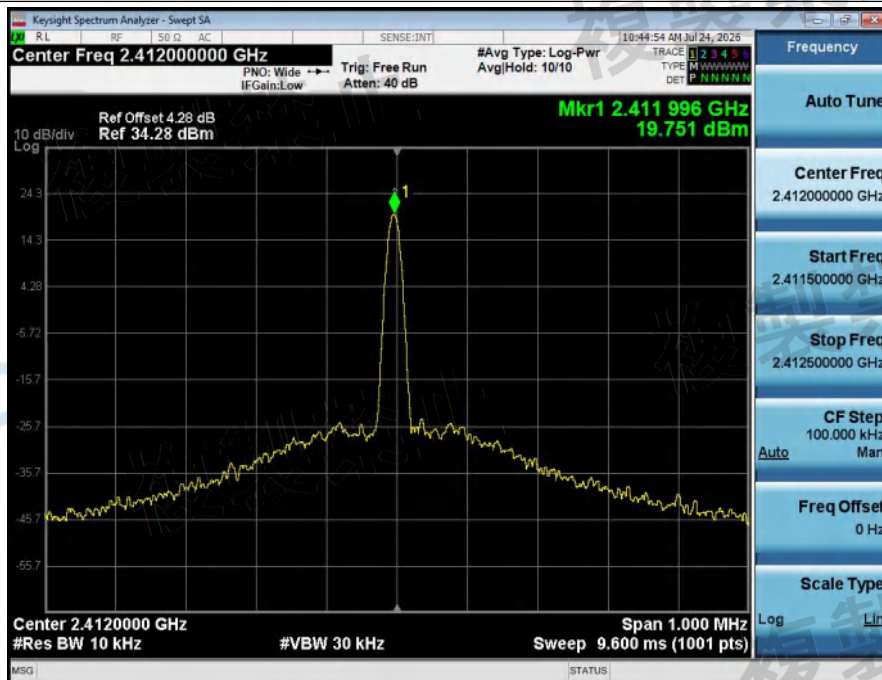
Frequency_Tolerance_NTLV_ANT1_802_11b_2472



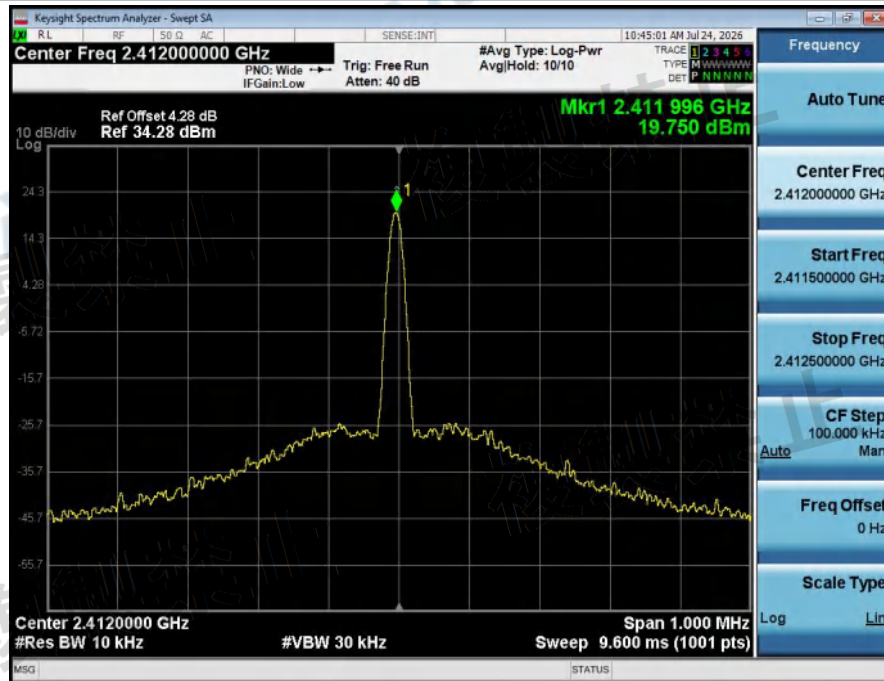
Frequency_Tolerance_NTHV_ANT1_802_11b_2472



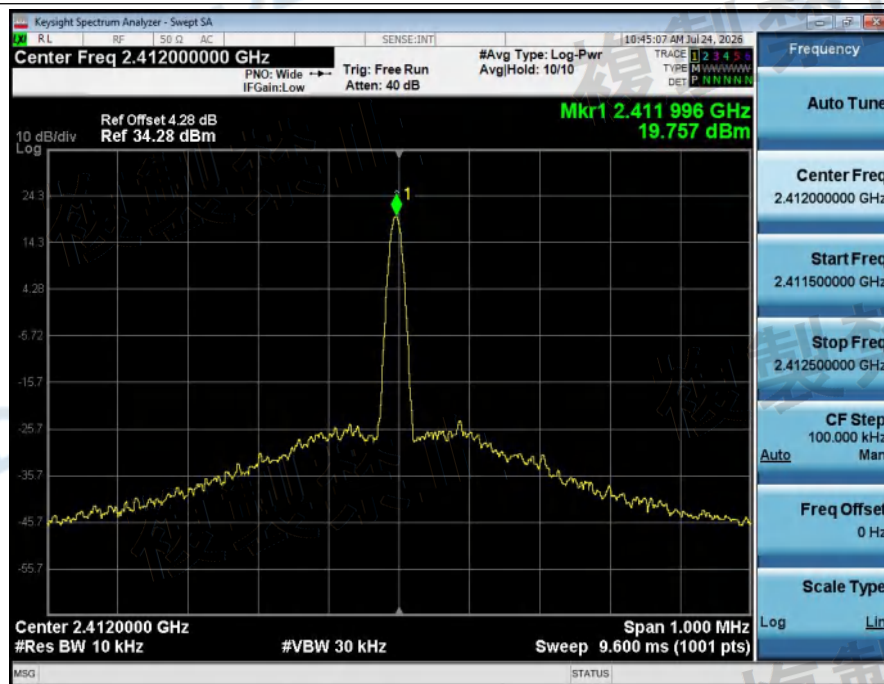
Frequency_Tolerance_NTNV_ANT1_802_11g_2412



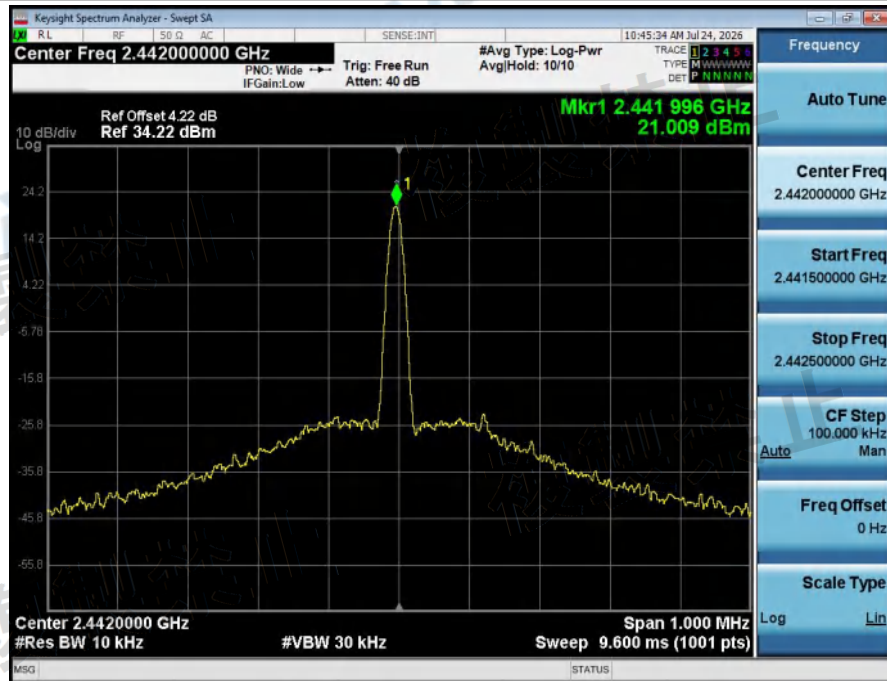
Frequency_Tolerance_NTLV_ANT1_802_11g_2412



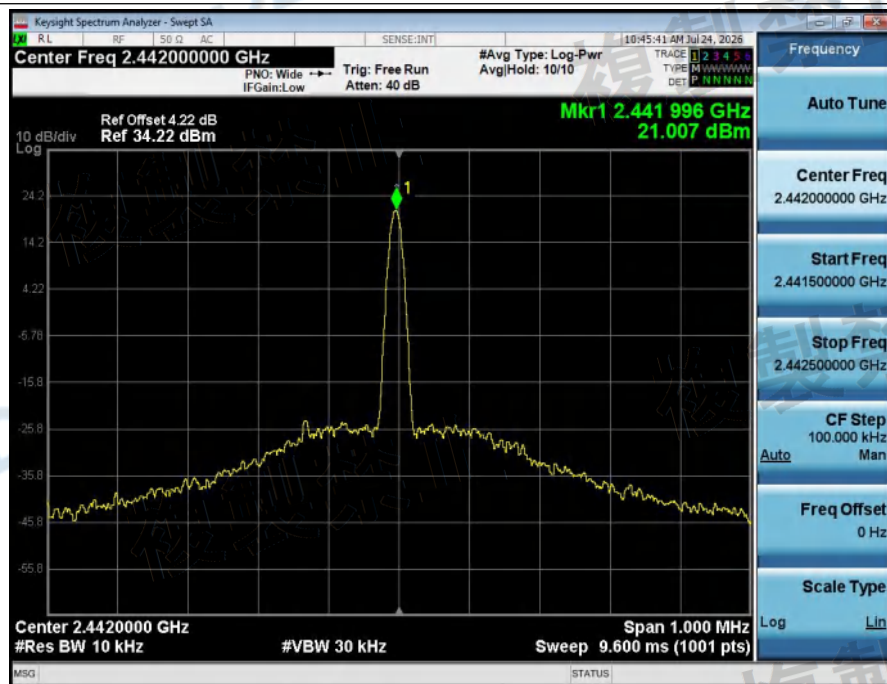
Frequency_Tolerance_NTHV_ANT1_802_11g_2412



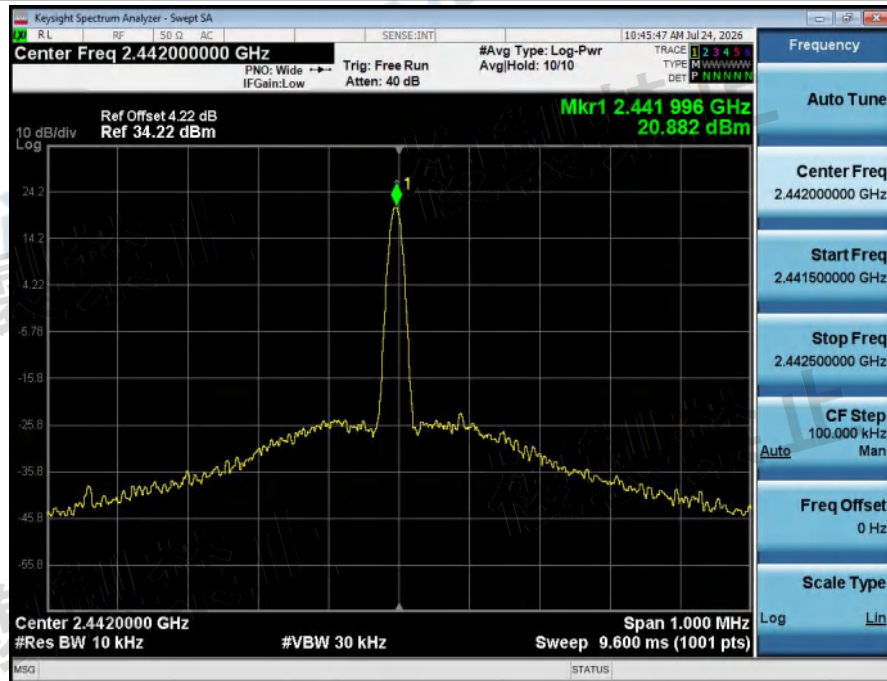
Frequency_Tolerance_NTNV_ANT1_802_11g_2442



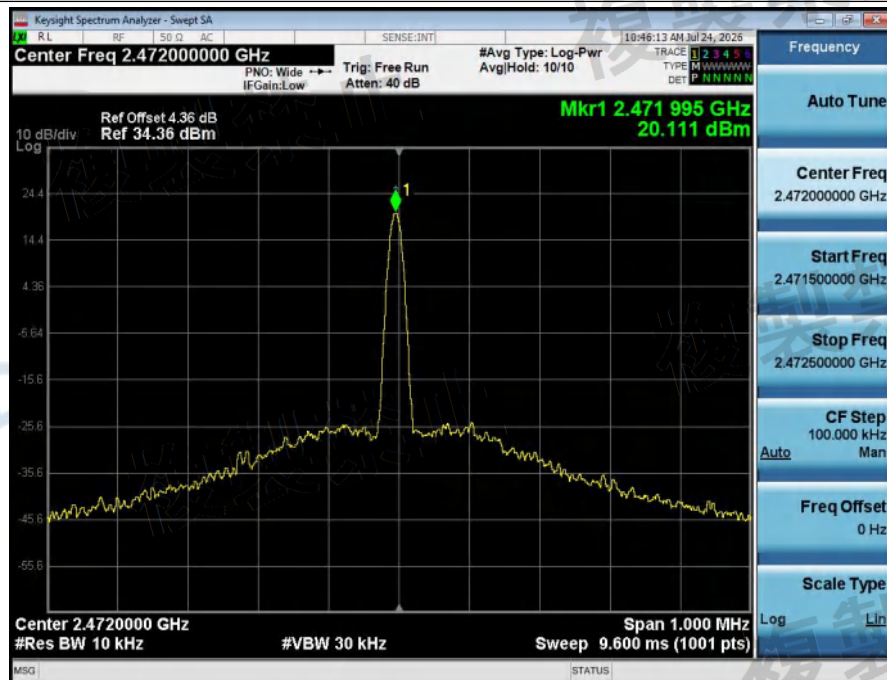
Frequency_Tolerance_NTLV_ANT1_802_11g_2442



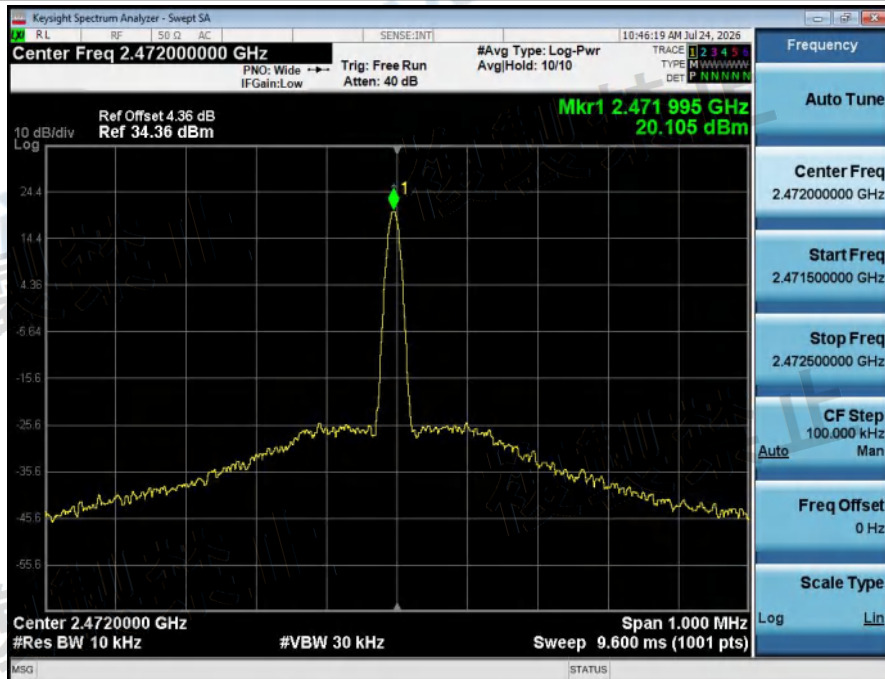
Frequency_Tolerance_NTHV_ANT1_802_11g_2442



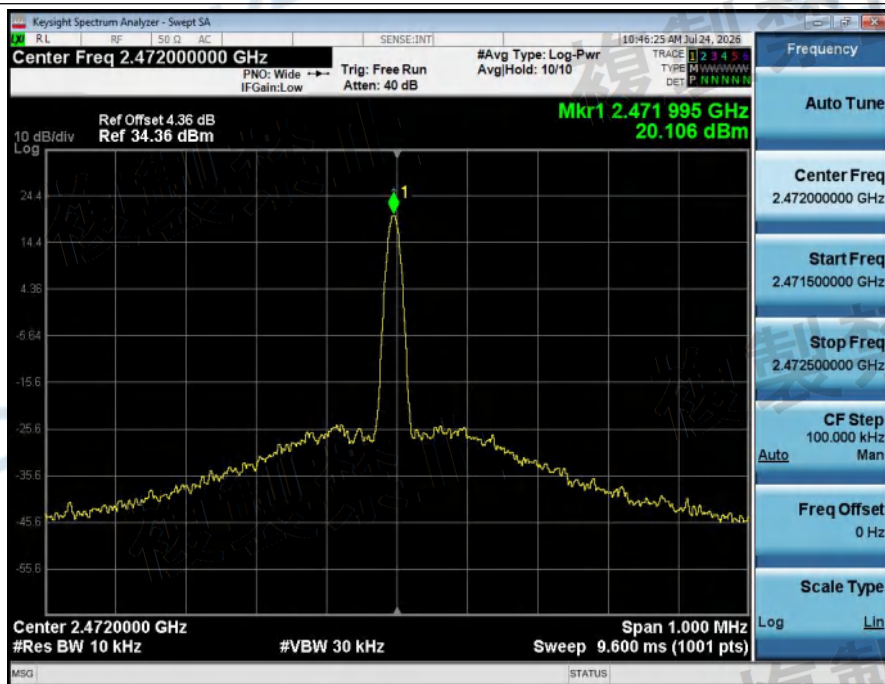
Frequency_Tolerance_NTNV_ANT1_802_11g_2472



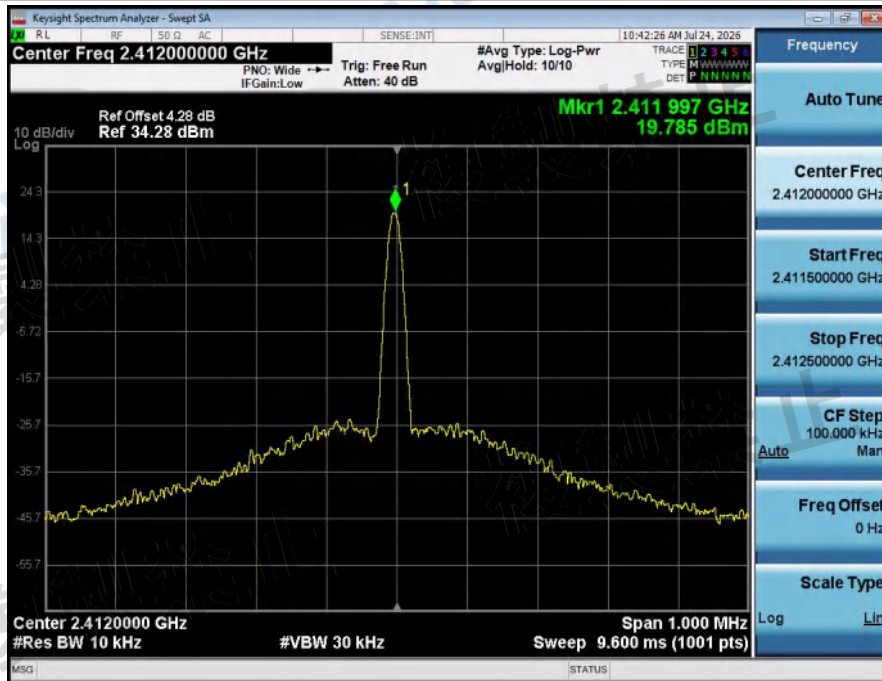
Frequency_Tolerance_NTLV_ANT1_802_11g_2472



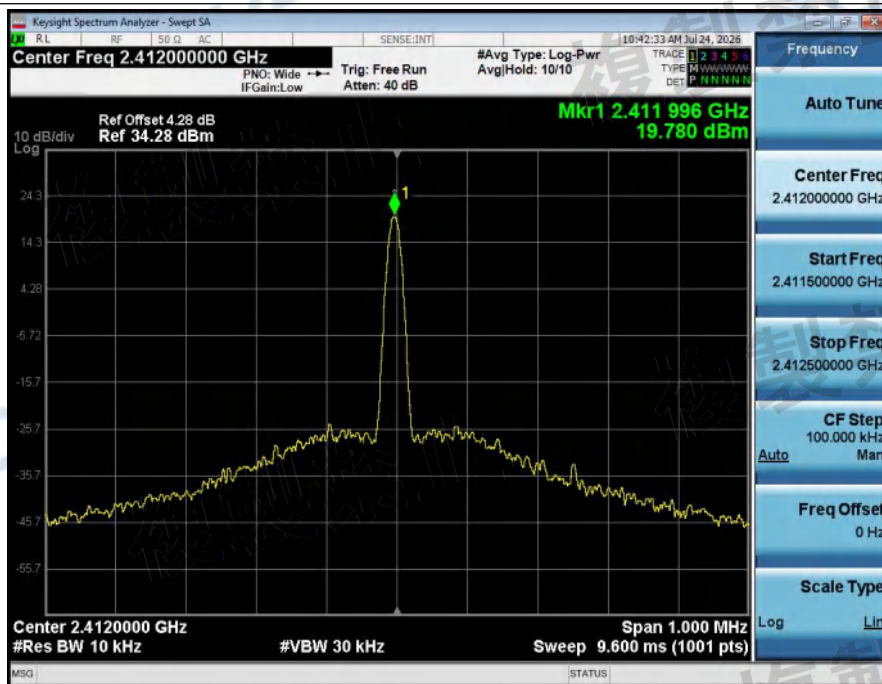
Frequency_Tolerance_NTHV_ANT1_802_11g_2472



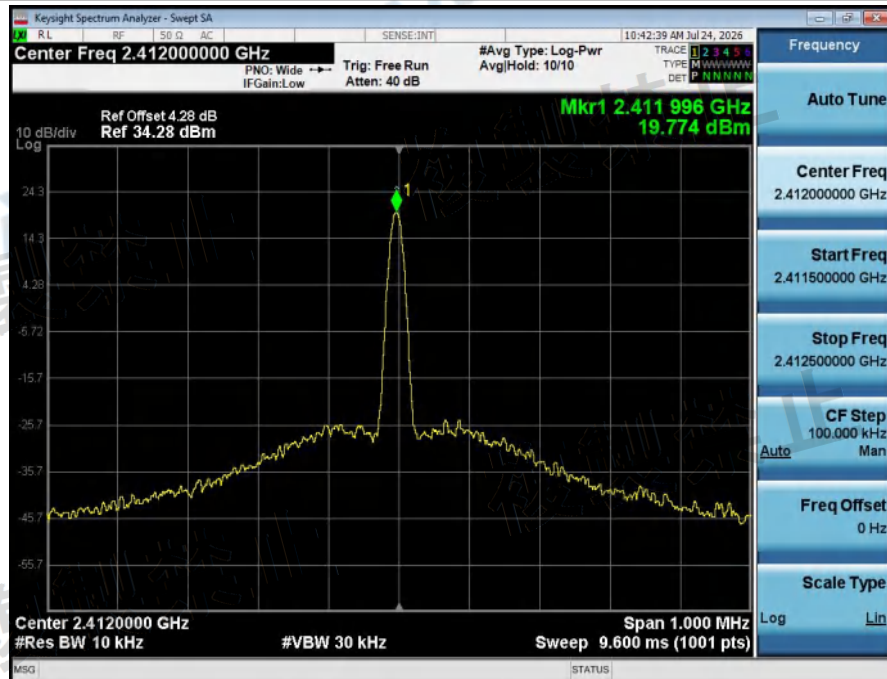
Frequency_Tolerance_NTNV_ANT1_802_11n(HT20)_2412



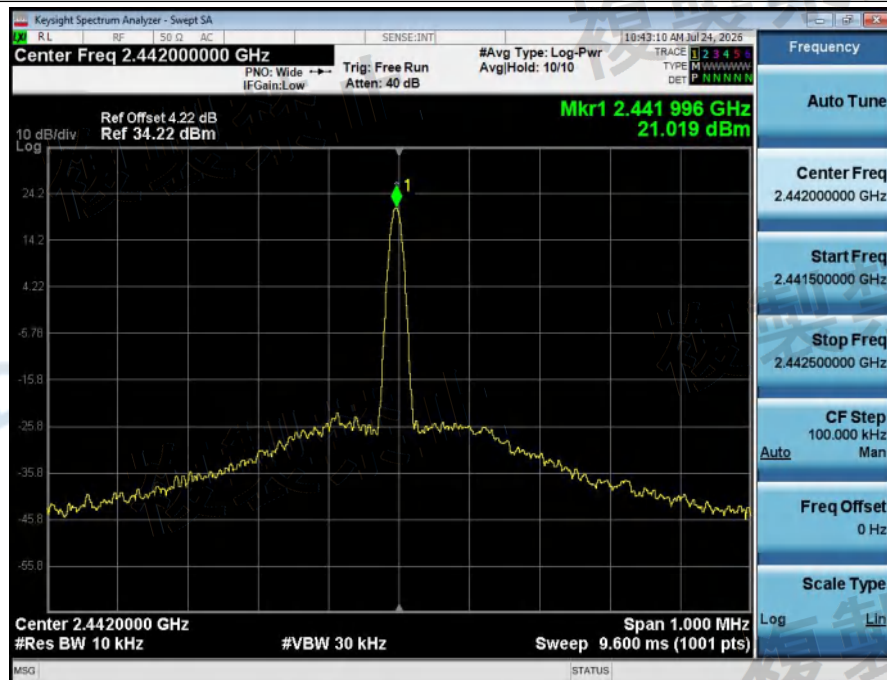
Frequency_Tolerance_NTLV_ANT1_802_11n(HT20)_2412



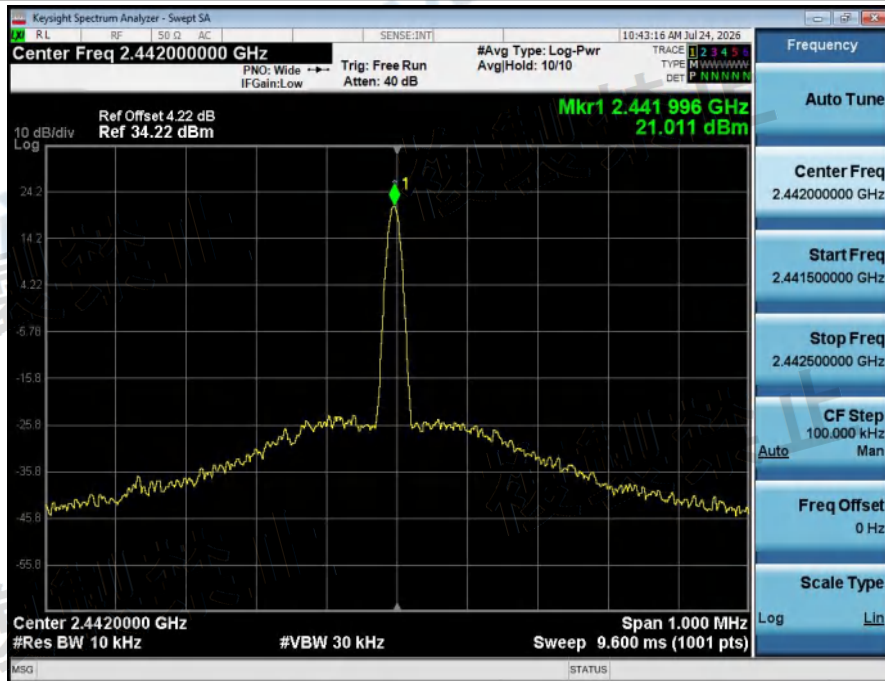
Frequency_Tolerance_NTHV_ANT1_802_11n(HT20)_2412



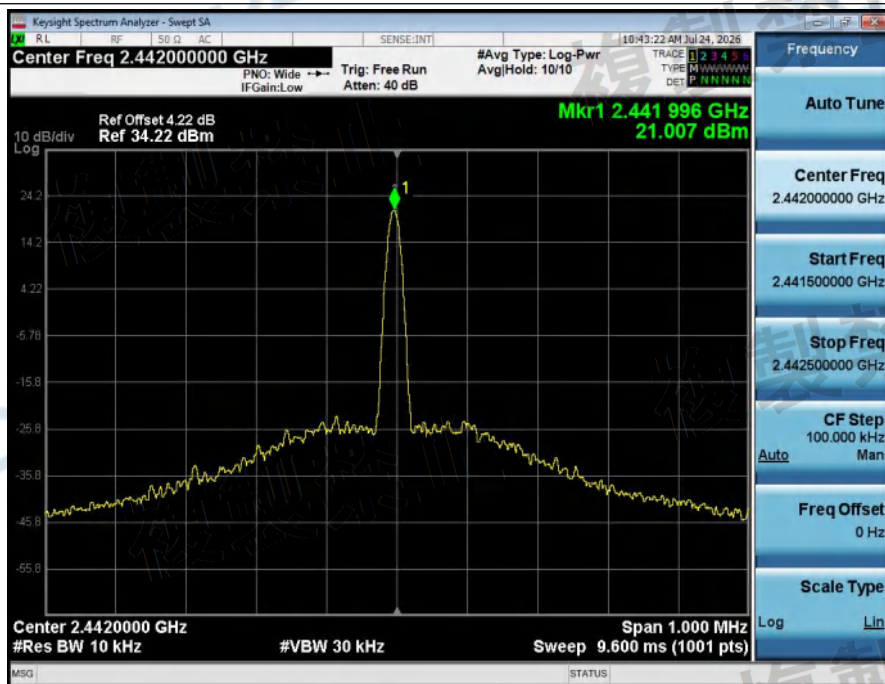
Frequency_Tolerance_NTNV_ANT1_802_11n(HT20)_2442



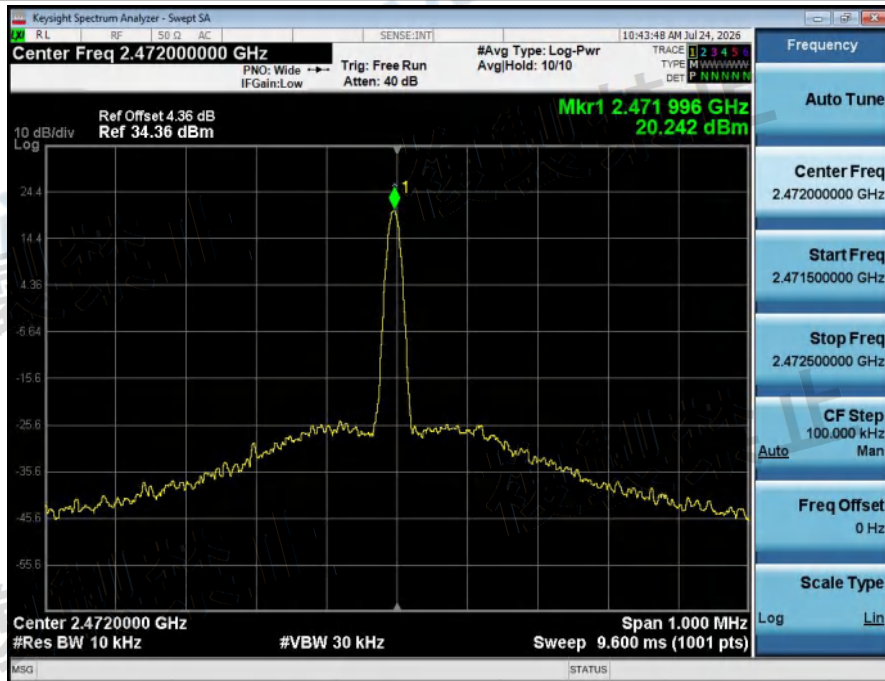
Frequency_Tolerance_NTLV_ANT1_802_11n(HT20)_2442



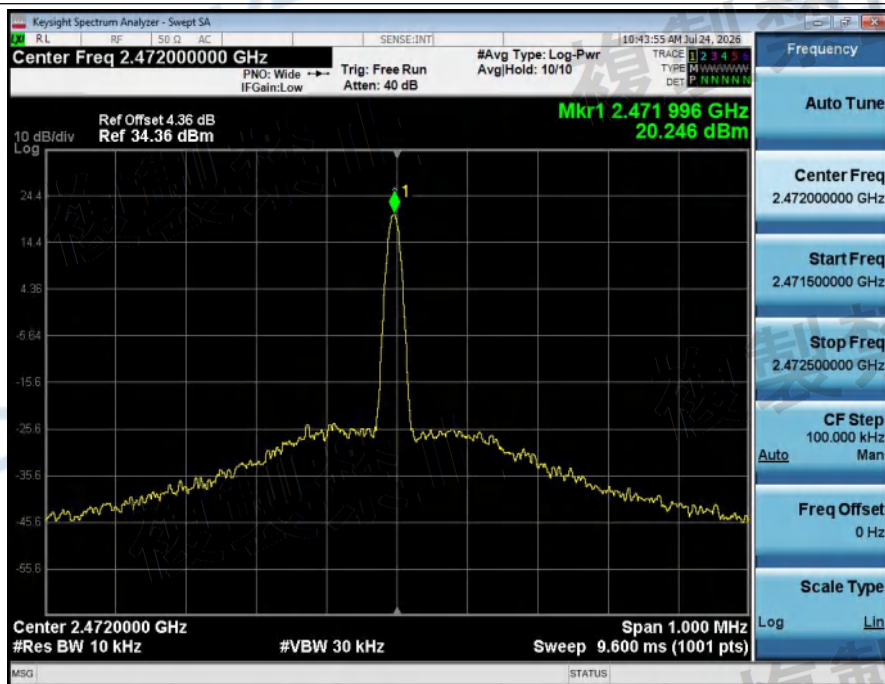
Frequency_Tolerance_NTHV_ANT1_802_11n(HT20)_2442



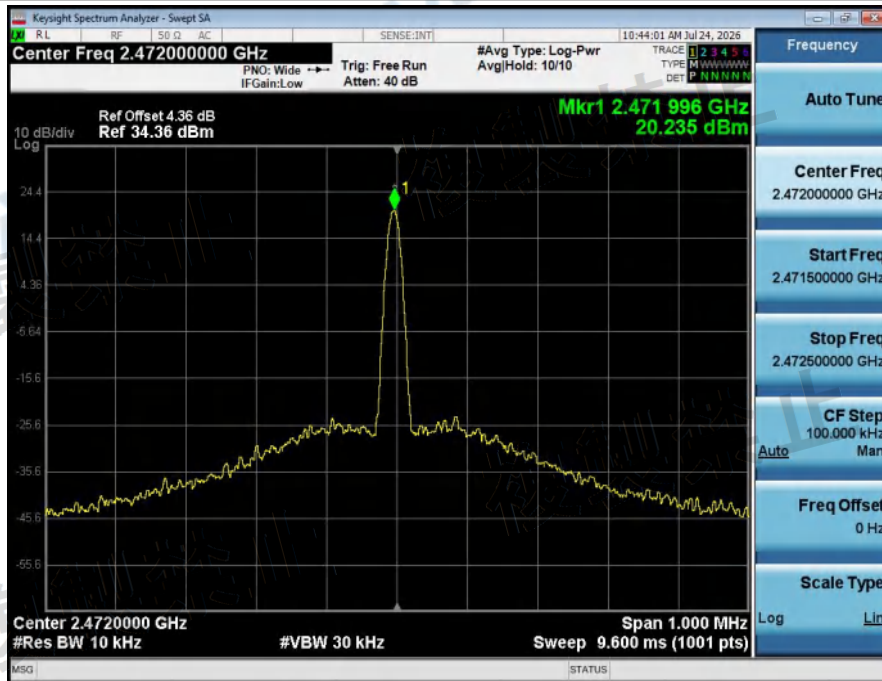
Frequency_Tolerance_NTNV_ANT1_802_11n(HT20)_2472



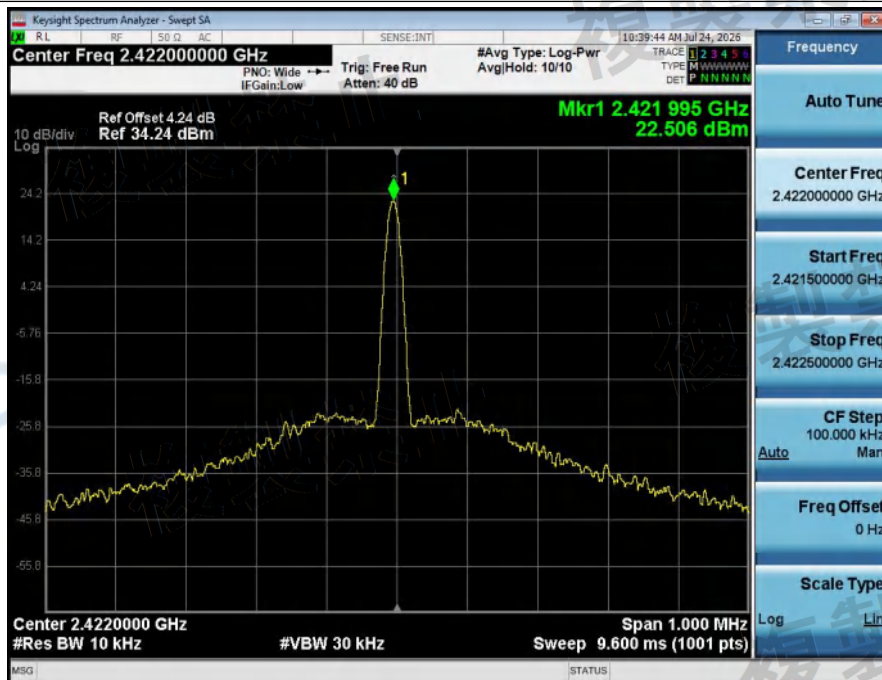
Frequency_Tolerance_NTLV_ANT1_802_11n(HT20)_2472



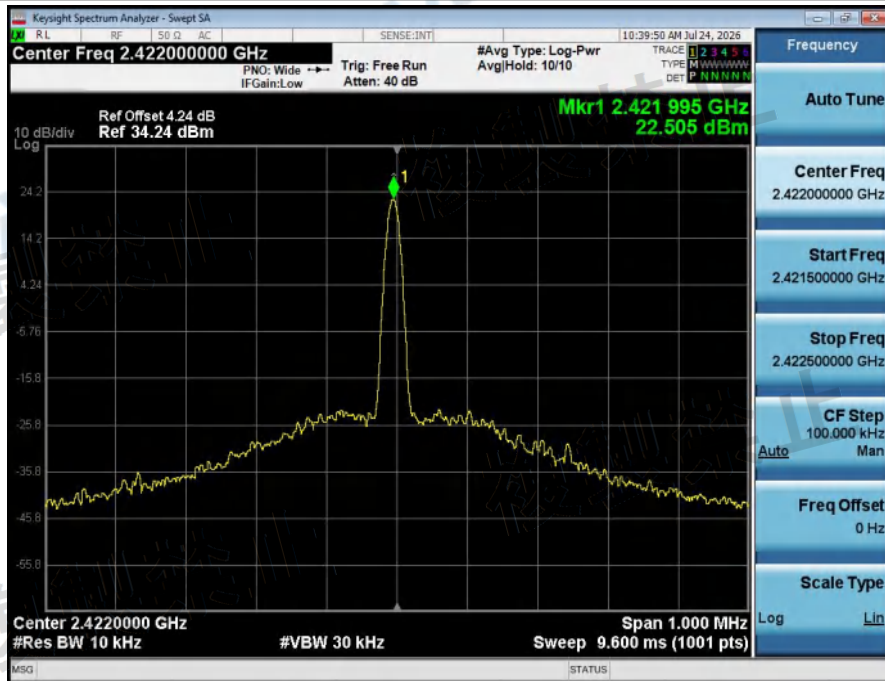
Frequency_Tolerance_NTHV_ANT1_802_11n(HT20)_2472



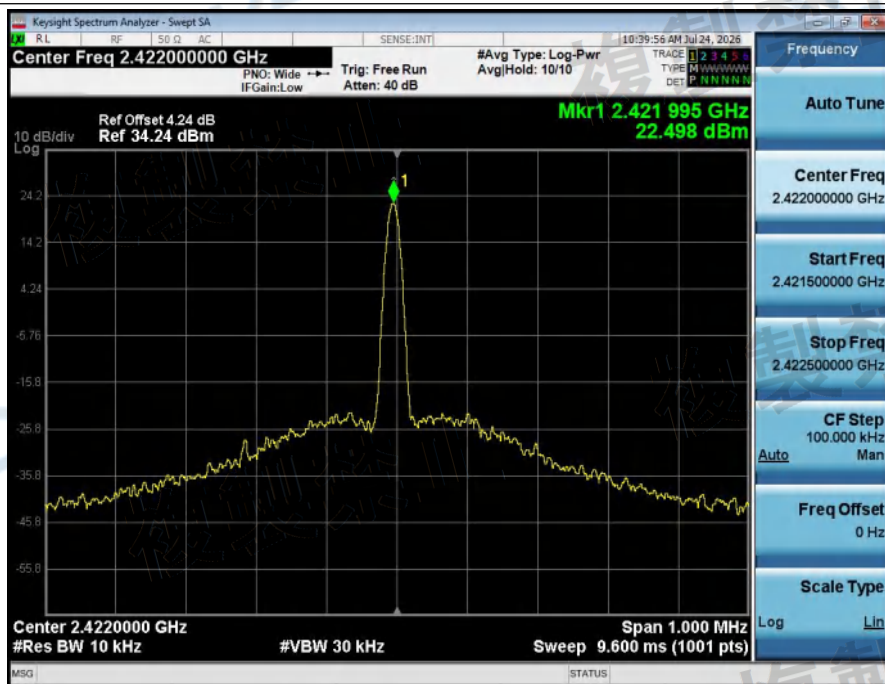
Frequency_Tolerance_NTNV_ANT1_802_11n(HT40)_2422



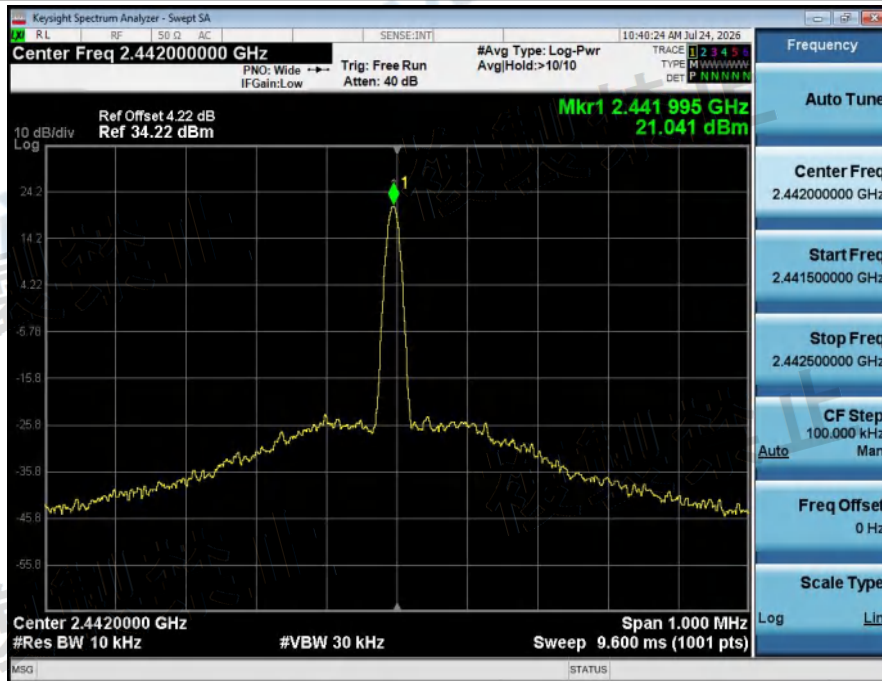
Frequency_Tolerance_NTLV_ANT1_802_11n(HT40)_2422



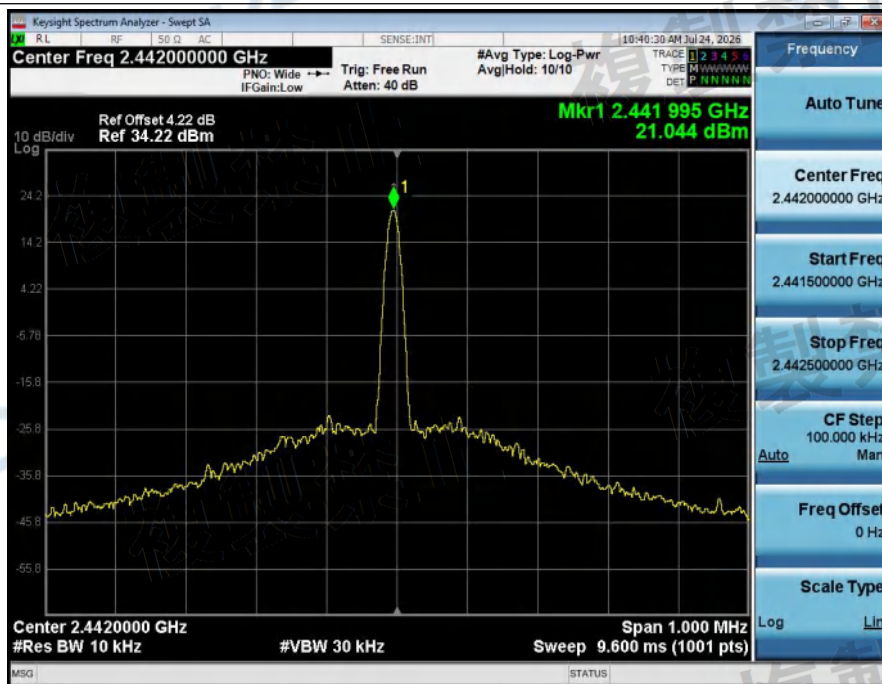
Frequency_Tolerance_NTHV_ANT1_802_11n(HT40)_2422



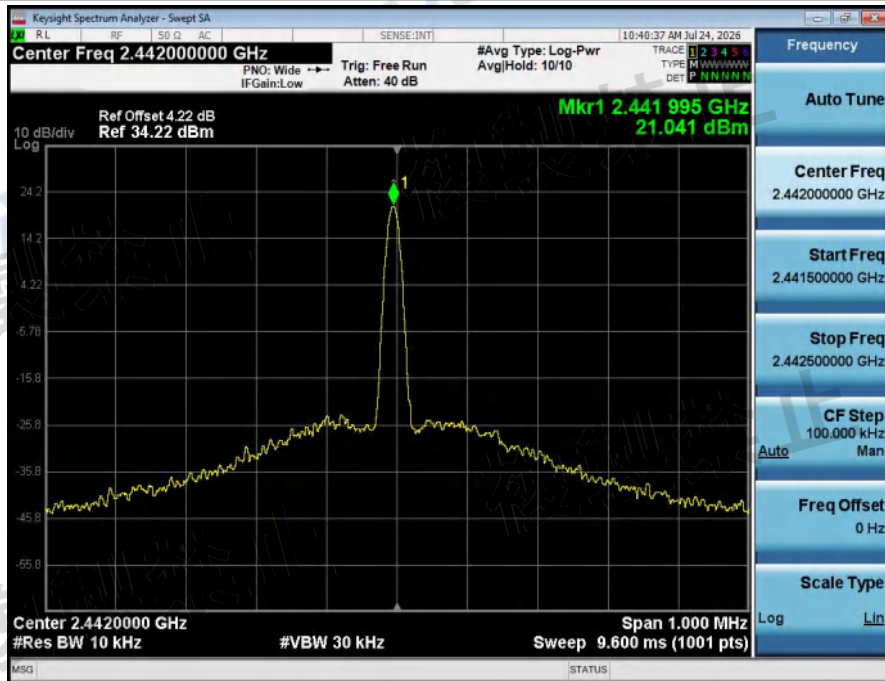
Frequency_Tolerance_NTNV_ANT1_802_11n(HT40)_2442



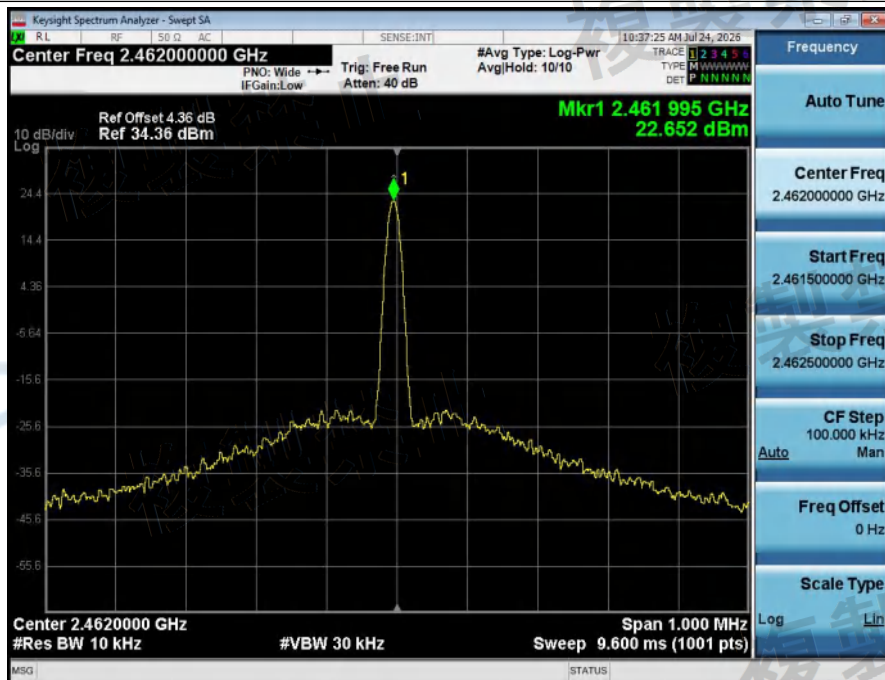
Frequency_Tolerance_NTLV_ANT1_802_11n(HT40)_2442



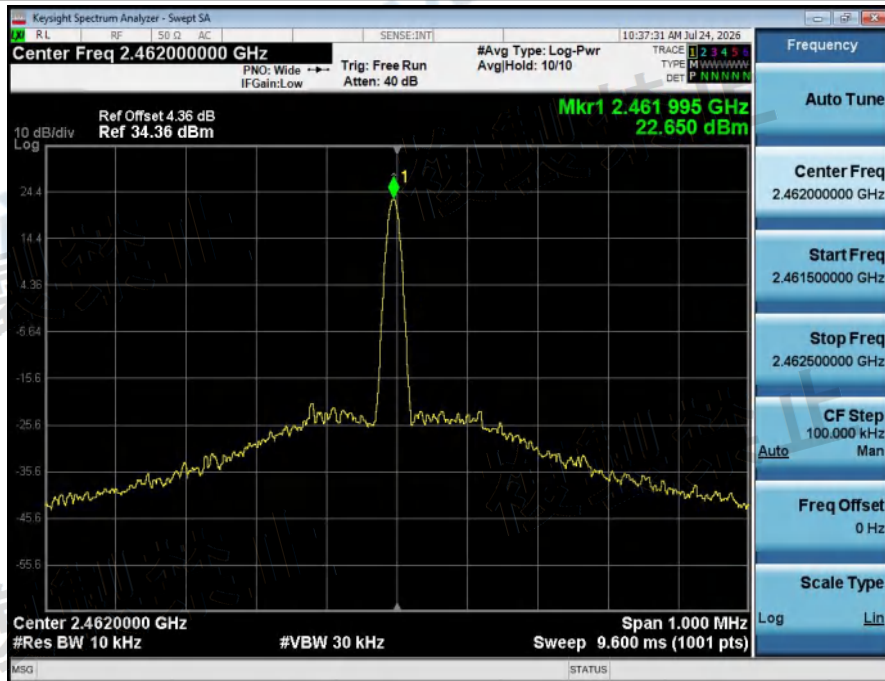
Frequency_Tolerance_NTHV_ANT1_802_11n(HT40)_2442



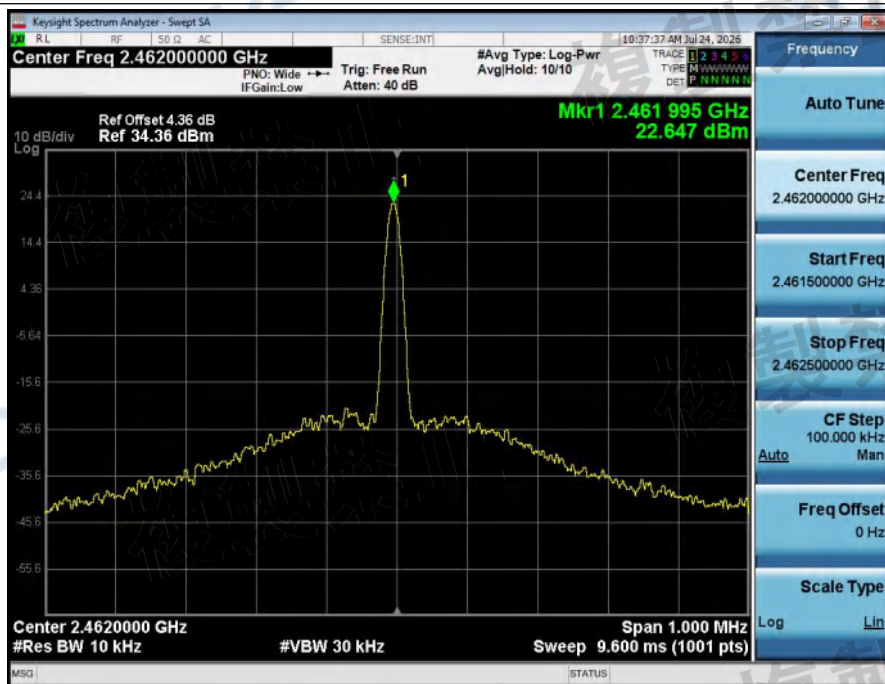
Frequency_Tolerance_NTNV_ANT1_802_11n(HT40)_2462



Frequency_Tolerance_NTLV_ANT1_802_11n(HT40)_2462



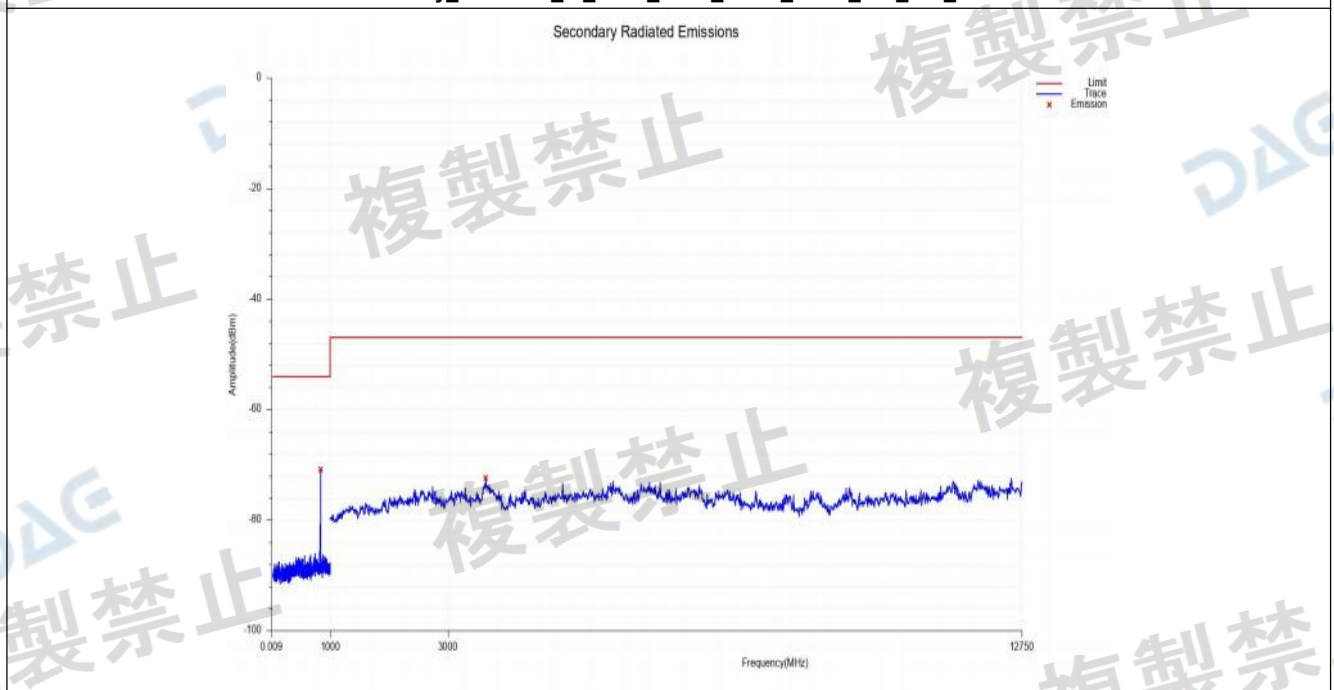
Frequency_Tolerance_NTHV_ANT1_802_11n(HT40)_2462



6. Secondary emission of radio wave

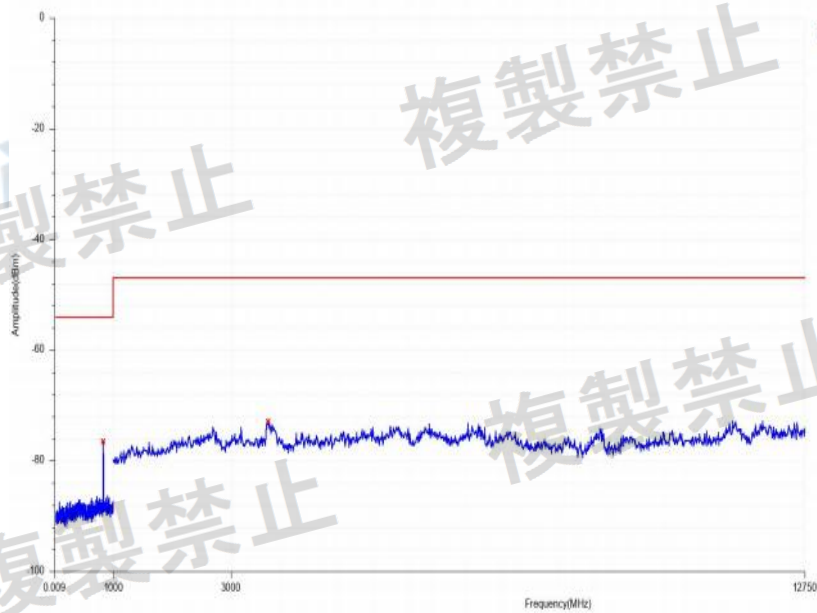
Condition	Mode	Channel	Range (MHz)	RBW (kHz)	Spur. Freq. (MHz)	Spur. Lev. (dBm)	Spur. Lev	Limit	Over 1/10 Limit	Read Lev.(dBm)	Read Lev.	Result
NVNT	802.11b	LCH	30.0~1000.0	100	838.98	-70.92	0.0808nW	4nW	NO	/	/	Pass
NVNT	802.11b	LCH	1000.0~12750.0	1000	3643.75	-72.43	0.0571nW	20nW	NO	/	/	Pass
NVNT	802.11b	MCH	30.0~1000.0	100	829.28	-76.50	0.0223nW	4nW	NO	/	/	Pass
NVNT	802.11b	MCH	1000.0~12750.0	1000	3632.00	-72.88	0.0514nW	20nW	NO	/	/	Pass
NVNT	802.11b	HCH	30.0~1000.0	100	832.19	-72.34	0.0583nW	4nW	NO	/	/	Pass
NVNT	802.11b	HCH	1000.0~12750.0	1000	11974.50	-72.25	0.0595nW	20nW	NO	/	/	Pass
NVNT	802.11g	LCH	30.0~1000.0	100	838.98	-70.75	0.0841nW	4nW	NO	/	/	Pass
NVNT	802.11g	LCH	1000.0~12750.0	1000	3643.75	-72.61	0.0548nW	20nW	NO	/	/	Pass
NVNT	802.11g	MCH	30.0~1000.0	100	834.13	-68.67	0.1359nW	4nW	NO	/	/	Pass
NVNT	802.11g	MCH	1000.0~12750.0	1000	12080.25	-72.66	0.0542nW	20nW	NO	/	/	Pass
NVNT	802.11g	HCH	30.0~1000.0	100	838.98	-73.05	0.0495nW	4nW	NO	/	/	Pass
NVNT	802.11g	HCH	1000.0~12750.0	1000	12609.00	-72.21	0.0601nW	20nW	NO	/	/	Pass
NVNT	802.11n(HT20)	LCH	30.0~1000.0	100	838.98	-73.59	0.0437nW	4nW	NO	/	/	Pass
NVNT	802.11n(HT20)	LCH	1000.0~12750.0	1000	12092.00	-71.94	0.0639nW	20nW	NO	/	/	Pass
NVNT	802.11n(HT20)	MCH	30.0~1000.0	100	149.31	-86.91	0.0020nW	4nW	NO	/	/	Pass
NVNT	802.11n(HT20)	MCH	1000.0~12750.0	1000	11610.25	-72.10	0.0616nW	20nW	NO	/	/	Pass
NVNT	802.11n(HT20)	HCH	30.0~1000.0	100	934.04	-86.06	0.0024nW	4nW	NO	/	/	Pass
NVNT	802.11n(HT20)	HCH	1000.0~12750.0	1000	2457.00	-67.75	0.1678nW	20nW	NO	/	/	Pass
NVNT	802.11n(HT40)	LCH	30.0~1000.0	100	835.10	-74.78	0.0332nW	4nW	NO	/	/	Pass
NVNT	802.11n(HT40)	LCH	1000.0~12750.0	1000	5852.75	-72.55	0.0555nW	20nW	NO	/	/	Pass
NVNT	802.11n(HT40)	MCH	30.0~1000.0	100	835.10	-76.48	0.0224nW	4nW	NO	/	/	Pass
NVNT	802.11n(HT40)	MCH	1000.0~12750.0	1000	12056.75	-71.97	0.0634nW	20nW	NO	/	/	Pass
NVNT	802.11n(HT40)	HCH	30.0~1000.0	100	970.90	-86.73	0.0021nW	4nW	NO	/	/	Pass
NVNT	802.11n(HT40)	HCH	1000.0~12750.0	1000	11528.00	-72.52	0.0560nW	20nW	NO	/	/	Pass

Secondary_emission_of_radio_wave_NVNT_ANT1_802_11b_LCH



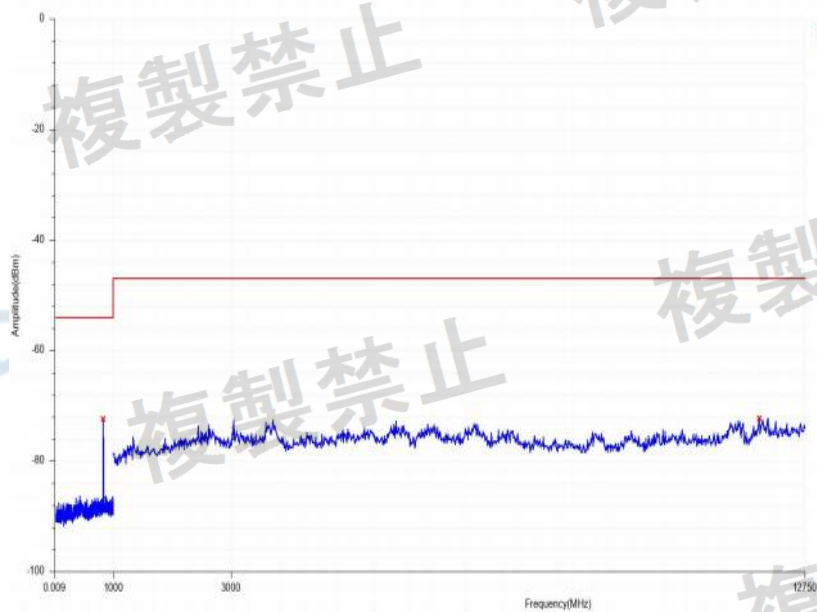
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11b_MCH

Secondary Radiated Emissions



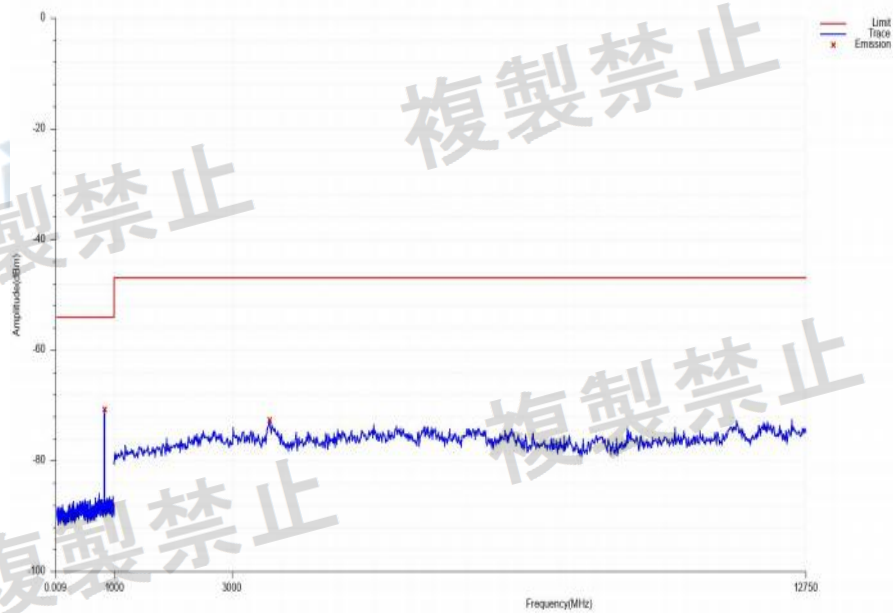
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11b_HCH

Secondary Radiated Emissions



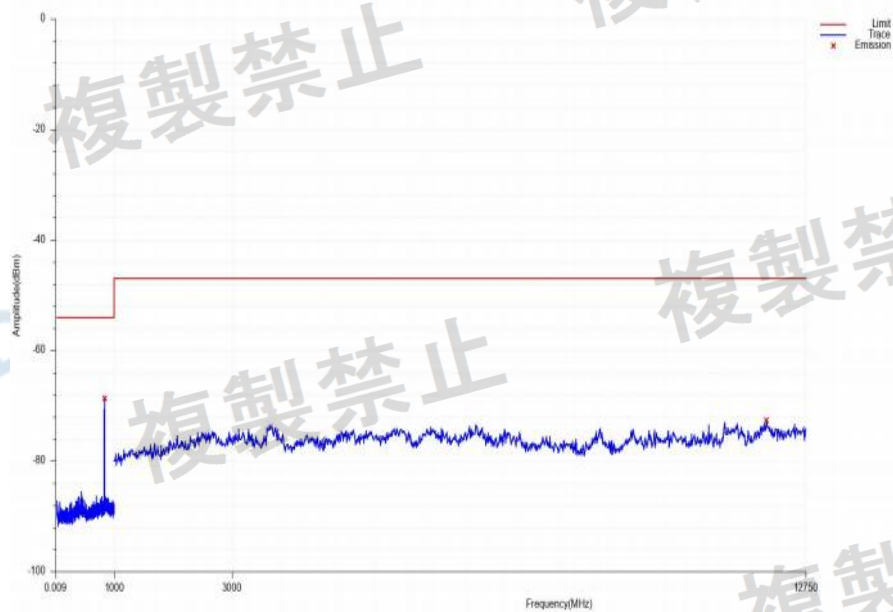
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11g_LCH

Secondary Radiated Emissions



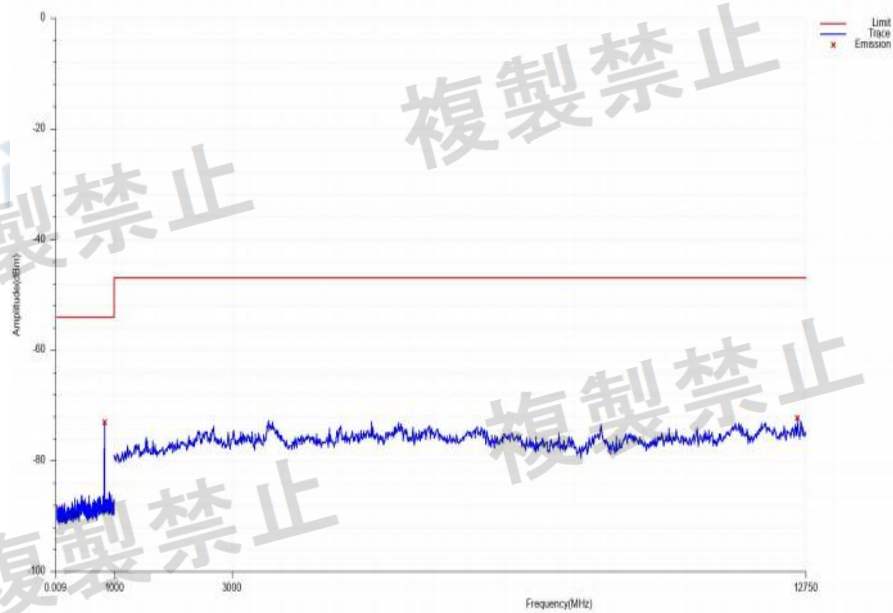
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11g_MCH

Secondary Radiated Emissions



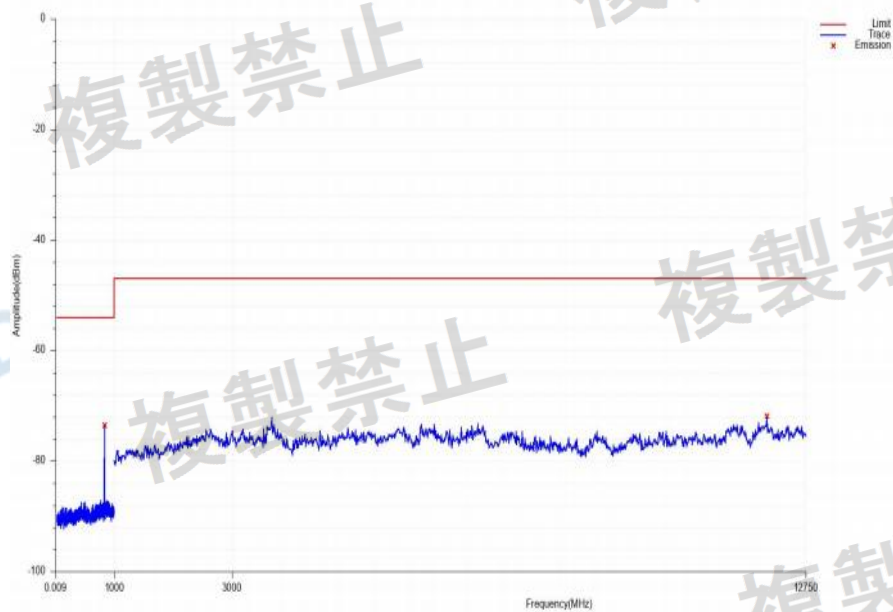
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11g_HCH

Secondary Radiated Emissions



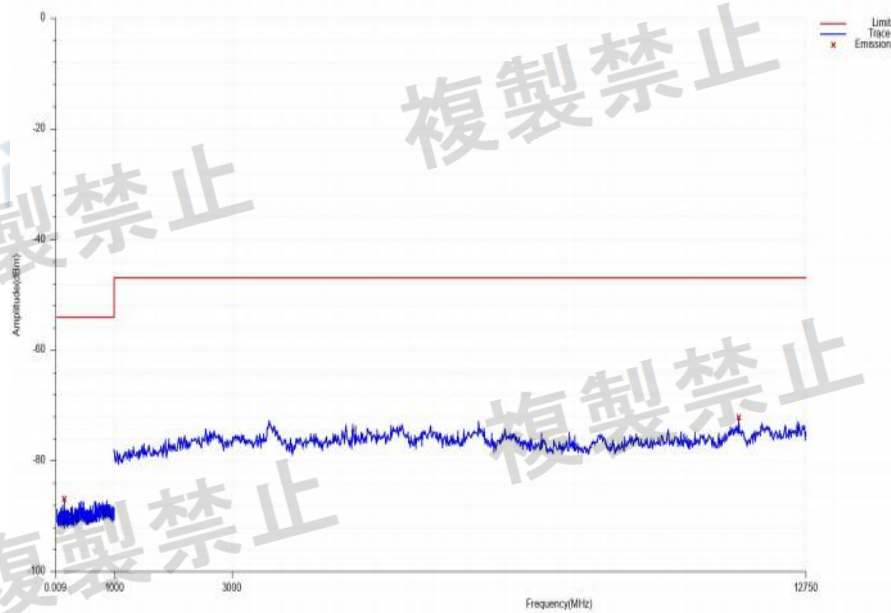
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11n(HT20)_LCH

Secondary Radiated Emissions



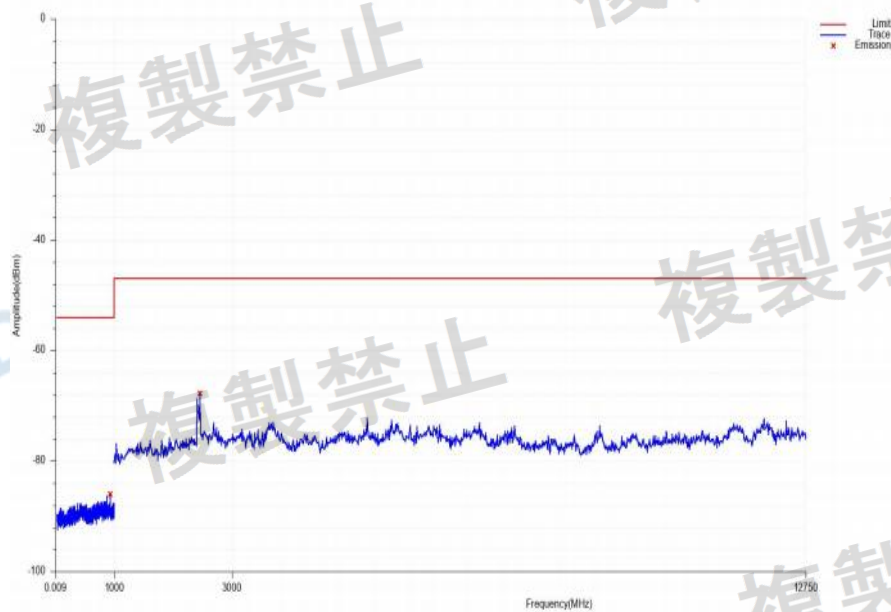
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11n(HT20)_MCH

Secondary Radiated Emissions



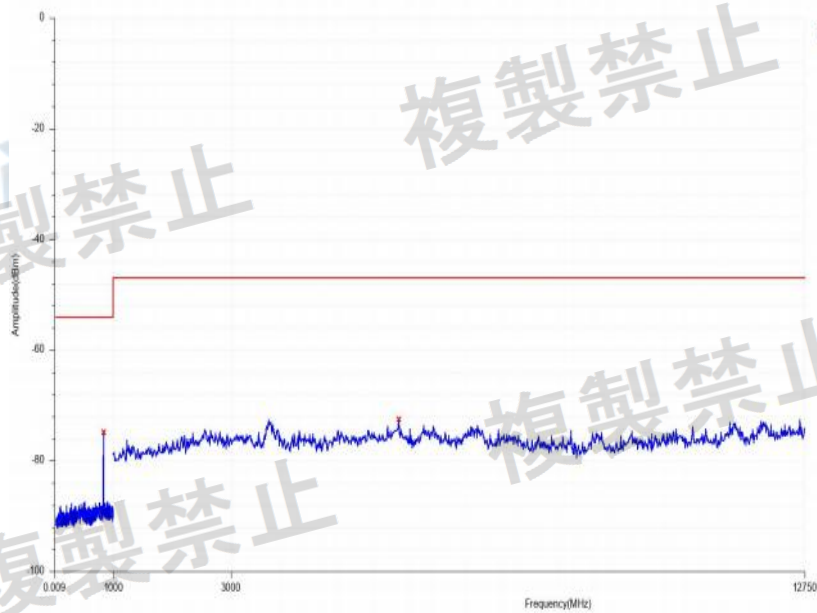
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11n(HT20)_HCH

Secondary Radiated Emissions



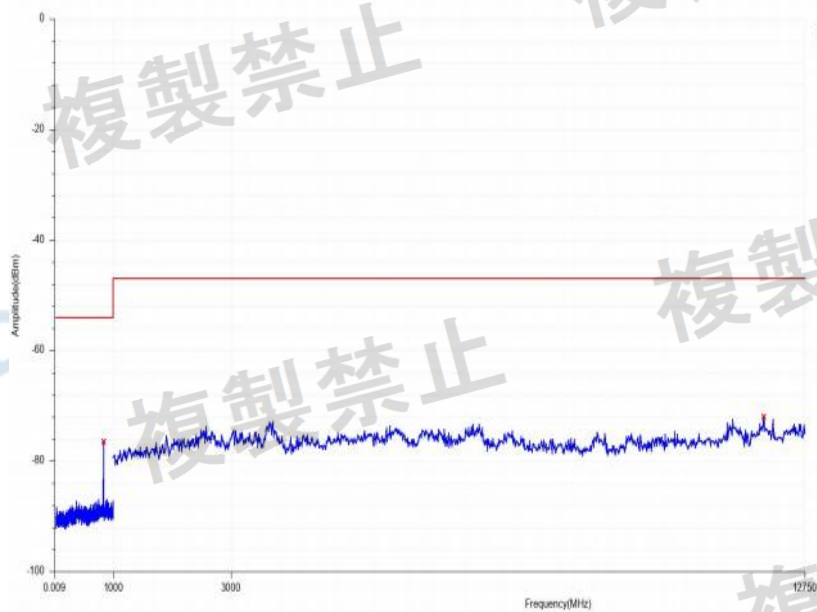
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11n(HT40)_LCH

Secondary Radiated Emissions



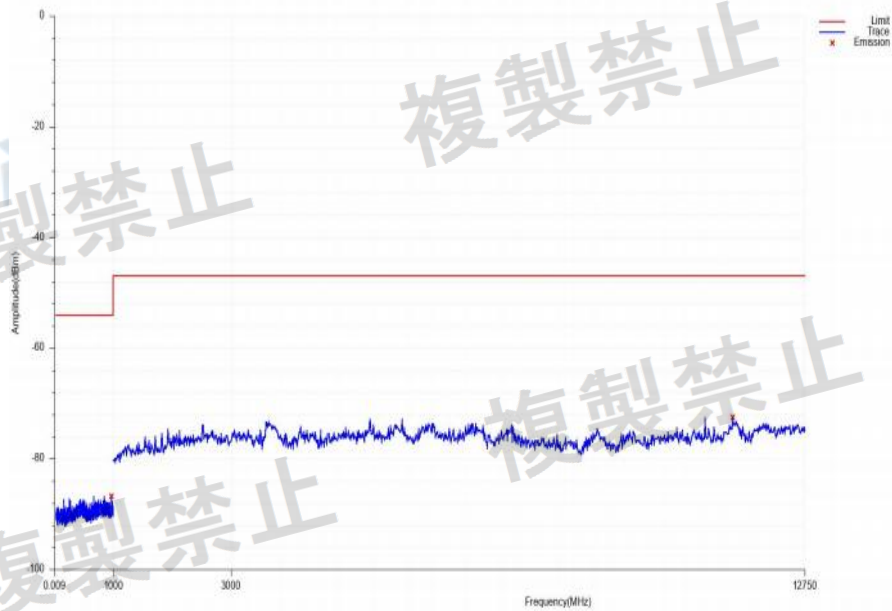
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11n(HT40)_MCH

Secondary Radiated Emissions



Secondary_emission_of_radio_wave_NVNT_ANT1_802_11n(HT40)_HCH

Secondary Radiated Emissions



***** End of Report *****