

RF TEST REPORT

For

SHENZHEN HAIJIXING TECHNOLOGY CO., LTD

Product Name: Optical Zoom Digital Camera

Test Model(s): WD900

Report Reference No. : DACE260413010RL001

Applicant's Name : SHENZHEN HAIJIXING TECHNOLOGY CO., LTD

Address : 2/F, No. 97 of Tianwan Road, Tianliao Community, Guangming New District, Shenzhen, CN

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 : April 13, 2026

Date of Test : April 13, 2026 to April 23, 2026

Date of Issue : April 23, 2026

Result : Pass

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Apply for company information

Applicant's Name	:	SHENZHEN HAIJIXING TECHNOLOGY CO., LTD
Address	:	2/F, No. 97 of Tianwan Road, Tianliao Community, Guangming New District, Shenzhen, CN
Product Name	:	Optical Zoom Digital Camera
Test Model(s)	:	WD900
Series Model(s)	:	WD900pro, WD900-A
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.

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April 23, 2026

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April 23, 2026

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April 23, 2026

Revision History Of Report

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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, annex 1 and annex 43	Article 2-1, Item 19	Pass
Occupied Bandwidth (99%)	Article 2-1, Item 19	Notification No.88 of MIC, 2004, annex 1 and annex 43	Article 2-1, Item 19	Pass
Antenna Power and Tolerance	Article 2-1, Item 19	Notification No.88 of MIC, 2004, annex 1 and annex 43	Article 2-1, Item 19	Pass
Spurious Emission Intensity	Article 2-1, Item 19	Notification No.88 of MIC, 2004, annex 1 and annex 43	Article 2-1, Item 19	Pass
Secondary Radiated Emissions	Article 2-1, Item 19	Notification No.88 of MIC, 2004, annex 1 and annex 43	Article 2-1, Item 19	Pass
Carrier Sensing 1	Article 2-1, Item 19	Notification No.88 of MIC, 2004, annex 1 and annex 43	Article 2-1, Item 19	Pass
Interference Prevention Function	Article 2-1, Item 19	Notification No.88 of MIC, 2004, annex 1 and annex 43	Article 2-1, Item 19	Pass
RF Accessibility	Article 2-1, Item 19	/	Article 49-20, paragraph 1(a)	Pass

Note: 1. N/A-- Not applicable to the this test clause.

2. The results of all conduction method include cable loss.

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : SHENZHEN HAIJIXING TECHNOLOGY CO., LTD
Address : 2/F, No. 97 of Tianwan Road, Tianliao Community, Guangming New District, Shenzhen, CN
Manufacturer : SHENZHEN HAIJIXING TECHNOLOGY CO., LTD
Address : 2/F, No. 97 of Tianwan Road, Tianliao Community, Guangming New District, Shenzhen, CN

2.2 Description of Device (EUT)

Product Name:	Optical Zoom Digital Camera
Model/Type reference:	WD900
Series Model:	WD900pro, WD900-A
Model Difference:	All the model are the same circuit and RF module, only the model name and appearance color are different. Test sample model: WD900
Trade Mark:	N/A
Power Supply:	DC 5V charging from adapter DC 3.7V by battery
Operation Frequency:	IEEE 802.11b/g/n/ax20: 2412-2472MHz/ 13 channel IEEE 802.11n40: 2422-2462MHz/ 9 channel
Number of Channels:	802.11b/g/n(HT20)/ax(HE20): 13 Channels; 802.11n(HT40): 9 Channels
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) 802.11ax(HE20): OFDMA (BPSK, QPSK, 16QAM, 64QAM)
Antenna Type:	PCB Antenna
Antenna Gain:	0.68dBi
Hardware Version:	V1.0
Software Version:	V1.0

2.3 Description of Test Modes

No	Title	Description
TM1	2.4GWIFI TX mode	Keep the EUT in 802.11b/g/n20(HT20/HT40)C transmitting mode.
TM2	2.4GWIFI RX mode	Keep the EUT in 802.11b/g/n20(HT20/HT40)/ax(HE20) receiving mode.
Test Environment		Normal Voltage(DC): 3.7V

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
Adapter	PHOTON	ATXC-069AC65B	/

2.5 Operation Frequency each of channel

CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2462	10	2457	11	2462	12	2467
13	2472	/	/	/	/	/	/

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	802.11b/g/n(HT20)/ax(HE20)	802.11n(HT40)
	Frequency (MHz)	Frequency (MHz)
Lowest channel	2412MHz	2422MHz
Middle channel	2442MHz	2442MHz
Highest channel	2472MHz	2462MHz

2.6 Test Environmental conditions

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

Temperature	Normal Temperature:	25°C
Voltage	Normal Voltage	AC: 100V
	Low Voltage	AC: 90V
	High Voltage	AC: 110V
Other	Relative Humidity	54 %
	Air Pressure	101 kPa

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

External power supply	module input power	RF chip voltage	Tolerance (%)
AC: 100V	DC 3.3V	DC 3.3V	0
AC: 90V	DC 3.3V	DC 3.3V	0
AC: 110V	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.

2.7 Description of Support Units

The EUT was tested as an independent device.

2.8 Equipments Used During The Test

Antenna Power and Tolerance
Spurious Emission Intensity
Secondary Radiated Emissions
Carrier Sensing 1
Tolerance of Frequency
Occupied Bandwidth (99%)

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	/	/
RF Sensor Unit	Tachoy Information Technology(she n zhen) Co.,Ltd.	TR1029-2	000001	/	/
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

2.9 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Radio Frequency	$\pm 2\text{Hz}$
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 $k=2$.	

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
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:
62-59-2B-C6-B8-C1

Test result: The device meet the requirements
PASS

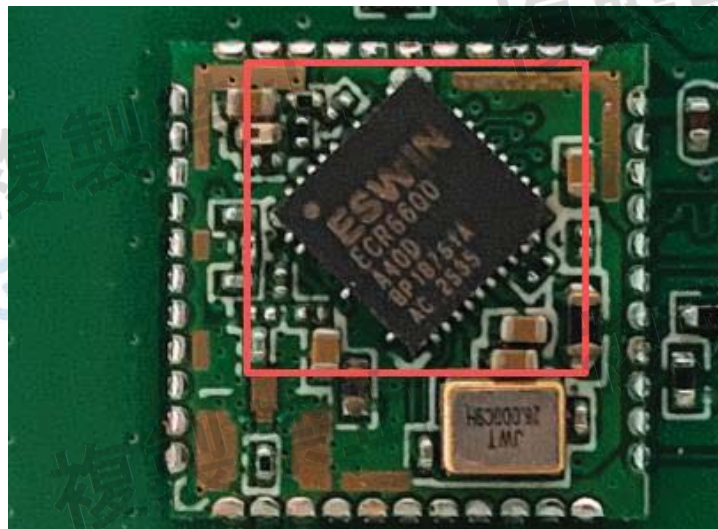
3.2 RF Accessibility

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.

The red circle is welding point.



4 Radio Spectrum Matter Test Results (RF)

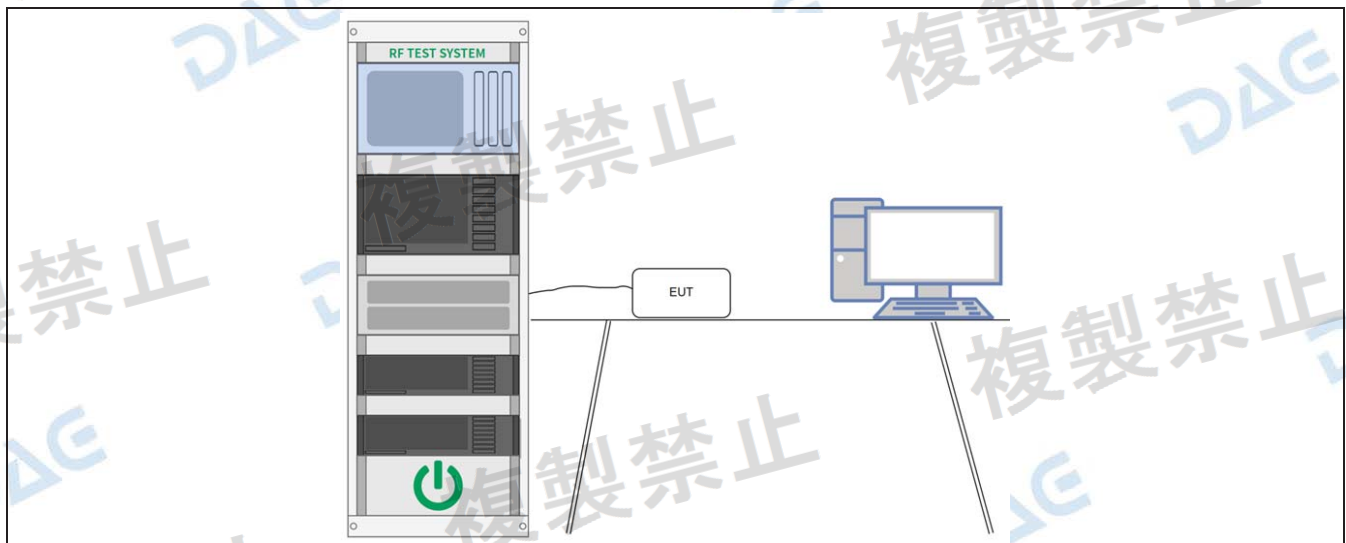
4.1 Tolerance of Frequency

Test Requirement:	Article 2-1, Item 19	
Test Limit:	±50ppm or less.	
Test Method:	Notification No.88 of MIC, 2004	
Procedure:	Center frequency:	Test frequency
	Span:	1 MHz
	RBW:	10 kHz
	VBW:	10 kHz
	Sweep data points:	1001 or greater
	Sweep time:	Auto
	Detector mode:	Positive peak
	Indication mode:	Max hold
(1) Find the peak carrier signal and measure its frequency (2) For multiple antenna systems each antenna shall be measured (3) For an EUT with multiple antennas it is permissible to test a single antenna only, provided all the antenna measurement values are expected to be same for either of the following reasons: a) The frequency of all antenna transmissions are phase-synchronized to a common (fundamental) oscillator b) The antenna transmissions share a common clock signal		

4.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.9 °C	Humidity:	47 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

4.1.2 Test Setup Diagram:



4.1.3 Test Data:

Please Refer to Appendix for Details.

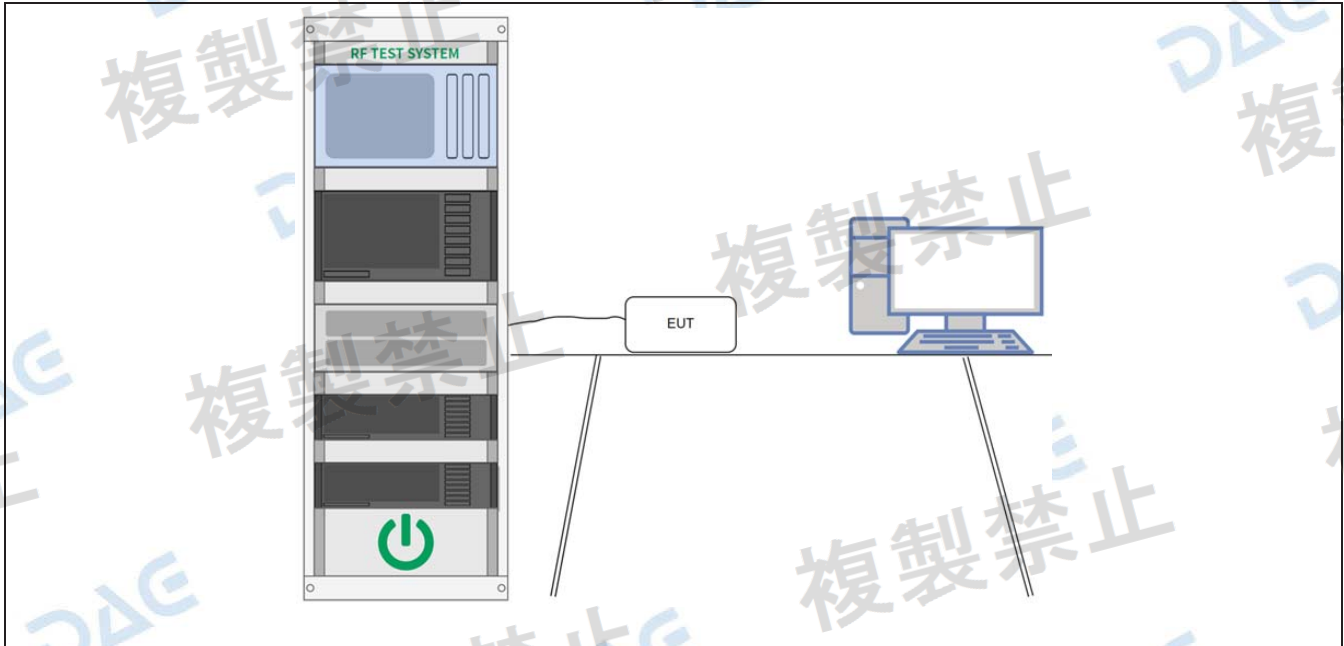
4.2 Occupied Bandwidth (99%)

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																		
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:	22.8 °C	Humidity:	46 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

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																																																			
Procedure:	<table><tr><td colspan="2">[Setting 1] – Search for peak power frequency</td></tr><tr><td>Center Frequency:</td><td>Test frequency</td></tr><tr><td>Span:</td><td>Approximately twice the occupied bandwidth</td></tr><tr><td>RBW:</td><td>1MHz</td></tr><tr><td>VBW:</td><td>Approximately three times the 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 colspan="2"> </td></tr><tr><td colspan="2">[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM</td></tr><tr><td>Frequency:</td><td>Frequency of peak power found using [Setting 1]</td></tr><tr><td>Span:</td><td>0 Hz</td></tr><tr><td>RBW:</td><td>3 MHz (FHSS-Channel Spacing ≤ 1MHz) 1MHz (DSSS, OFDM, FHSS-Channel Spacing > 1MHz)</td></tr><tr><td>Detector mode:</td><td>Sample</td></tr><tr><td>Sweep:</td><td>Minimum time required to make an accurate measurement.</td></tr><tr><td> </td><td>For burst type (intermittent) transmission sweep time shall be greater than one burst interval</td></tr><tr><td>Sweep data points:</td><td>1001 or greater</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2">[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM</td></tr><tr><td>Frequency:</td><td>Frequency of peak power found using [Setting 1]</td></tr><tr><td>Span:</td><td>0 Hz</td></tr><tr><td>RBW:</td><td>Bandwidth sufficient to cover that occupied by the carrier</td></tr><tr><td>VBW:</td><td>Bandwidth sufficient to cover that occupied by the carrier</td></tr><tr><td>Detector mode:</td><td>Sample</td></tr></table>		[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
[Setting 1] – Search for peak power frequency																																																				
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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																																																			

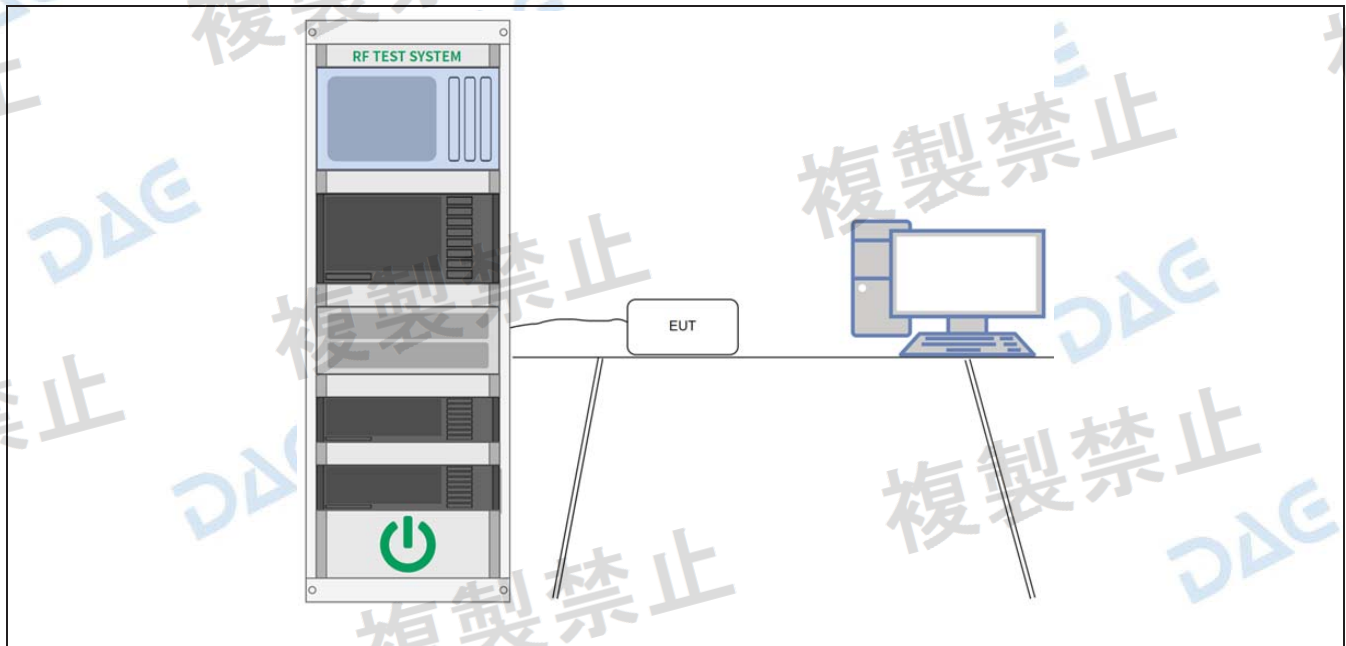
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater

(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)
Antenna Power (W/MHz) = Average Burst Power

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.2 °C	Humidity:	52 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

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	
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 x Log (Reference Bandwidth / RBW of measurement) = 15.2 [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 form each individual antenna using steps (1) through (9)

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

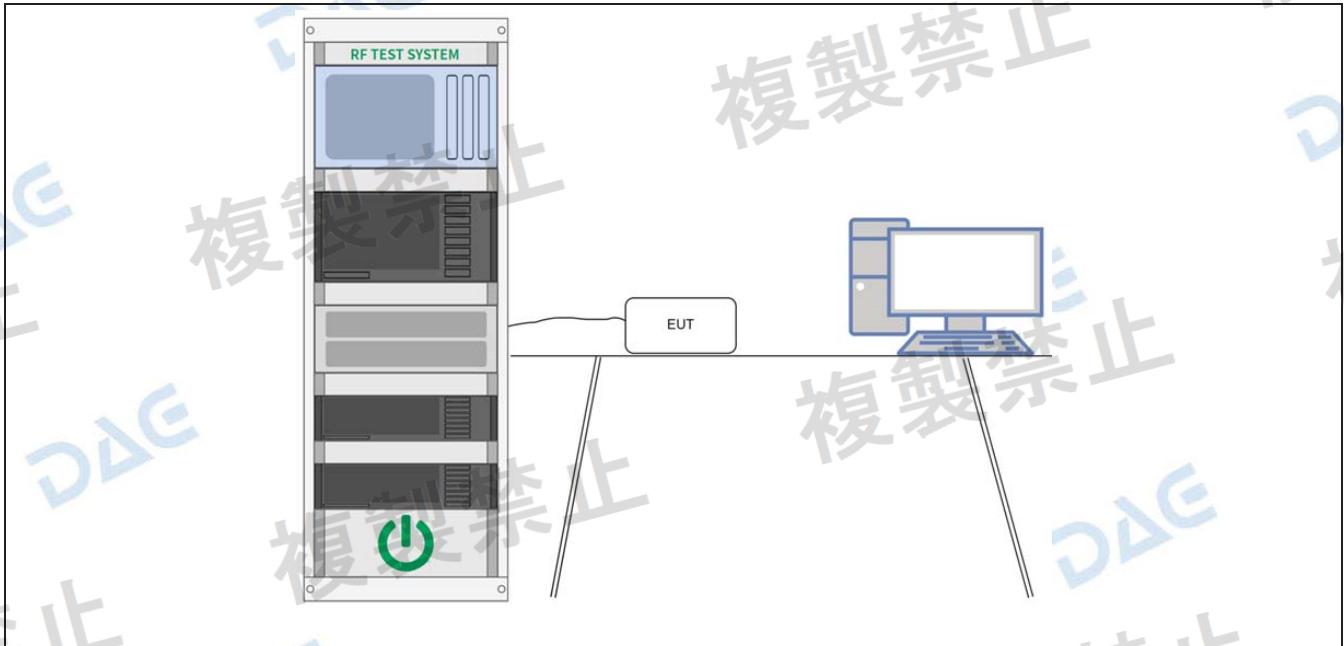
(12) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious

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:	51 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

Please Refer to Appendix for Details.

4.5 Secondary Radiated Emissions

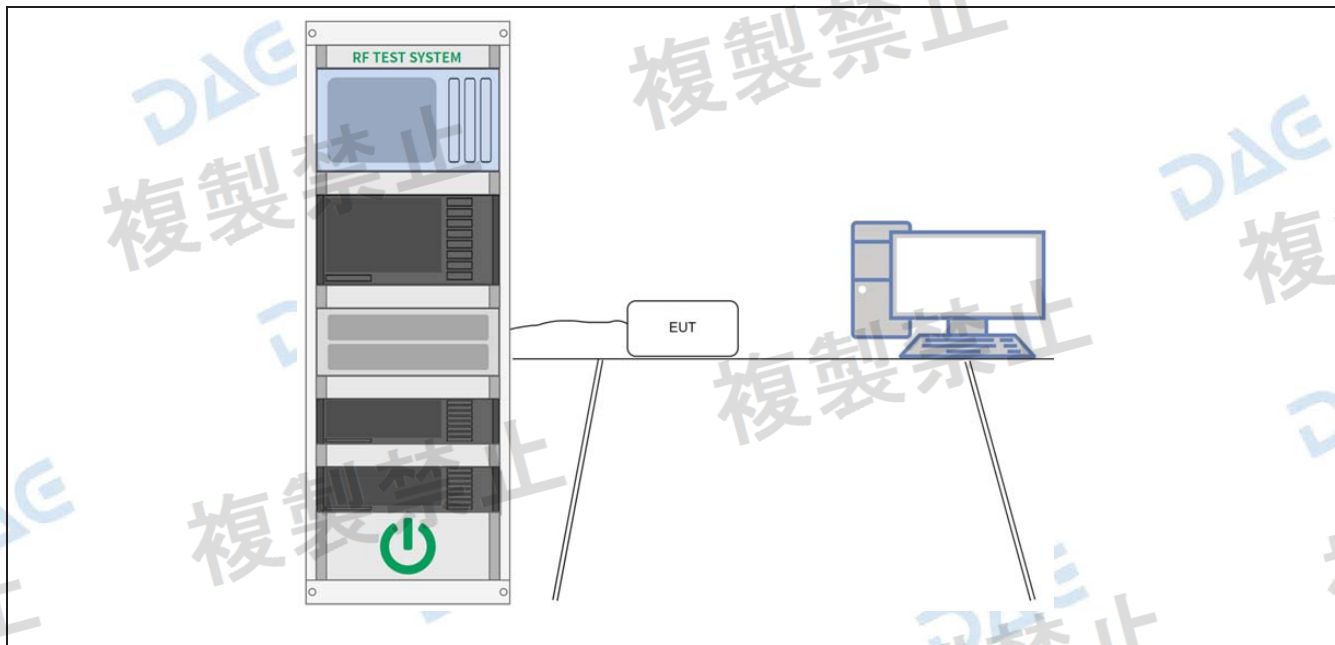
Test Requirement:	Article 2-1, Item 19		
Test Limit:	(1) Below 1 GHz: 4 nW (-54dBm) or less (2) Above 1 GHz: 20 nW (-47dBm) or less		
Test Method:	Notification No.88 of MIC, 2004		
Procedure:	[Setting 1]		
	Frequency range:	30 MHz ~ 12.5 GHz	
	RBW:	Below 1 GHz:100 kHz	
		Above 1 GHz:1 MHz	
	VBW:	Below 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:	22.1 °C	Humidity:	52 %	Atmospheric Pressure:
				101.9 kPa

Pretest mode:	TM2
Final test mode:	TM2

4.5.2 Test Setup Diagram:



4.5.3 Test Data:

Please Refer to Appendix for Details.

4.6 Carrier Sensing 1

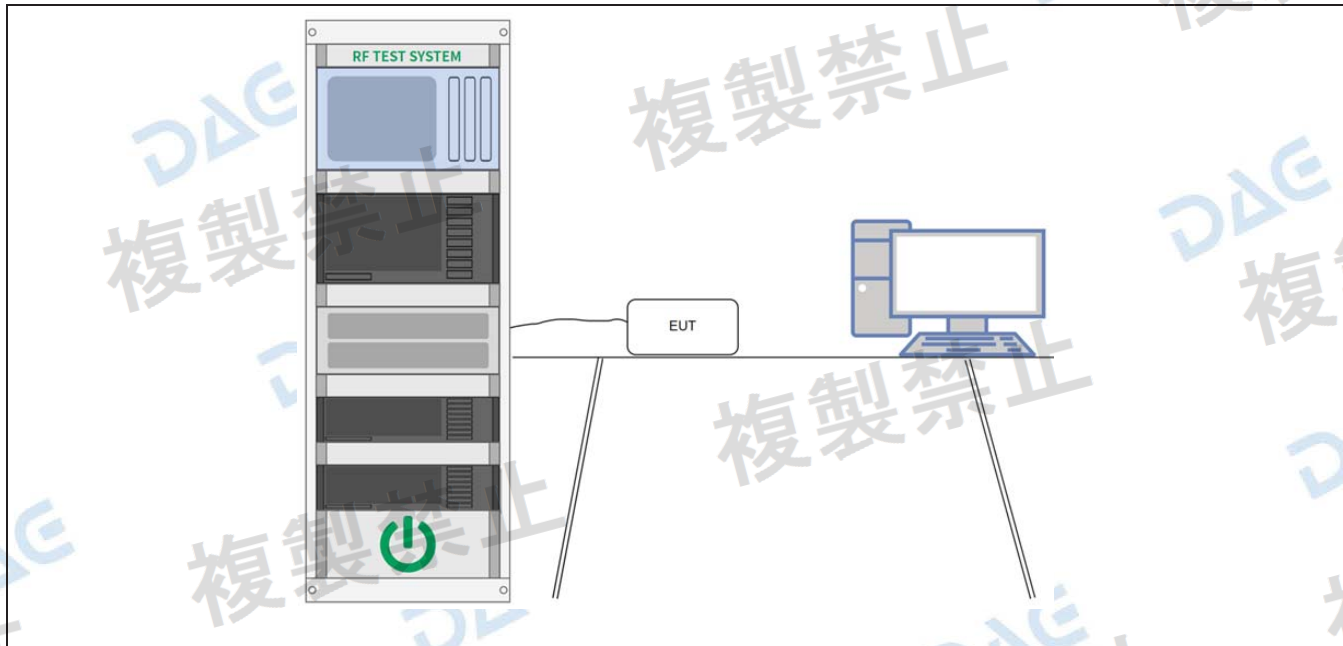
Test Requirement:	Article 2-1, Item 19	
Test Method:	Notification No.88 of MIC, 2004	
Procedure:	Signal Generator Settings	
	[Setting 1]	
	Output frequency:	Center of test frequency
	Modulation:	Un-modulated, see note
	Output level:	The required level at the EUT antenna input, as defined by the applicant
	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:	55 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				

Final test mode:	TM1
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4.6.2 Test Setup Diagram:



4.6.3 Test Data:

CONFORM for 802.11n(HT40)

Note: The EUT cannot transmit radio when the field strength at maximal gain direction of receiving antenna power is over 100mV/m; and The EUT start to transmit after carrier sensing.

5. TEST SETUP PHOTOS

RF Conducted



6. PHOTOS OF THE EUT

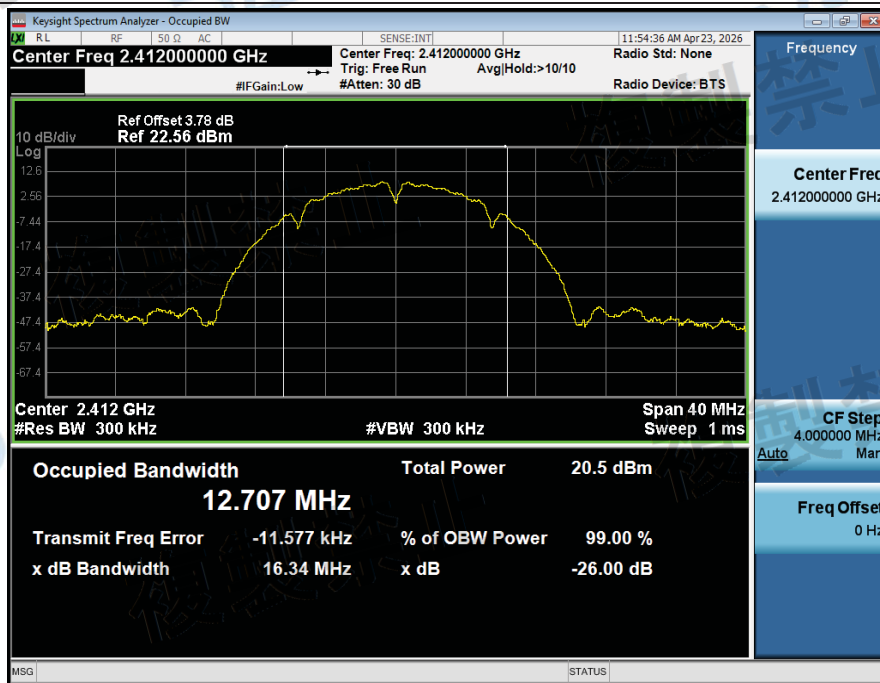
Refer to Appendix - EUT Photos for EUT External Photo and Internal Photo.

Appendix

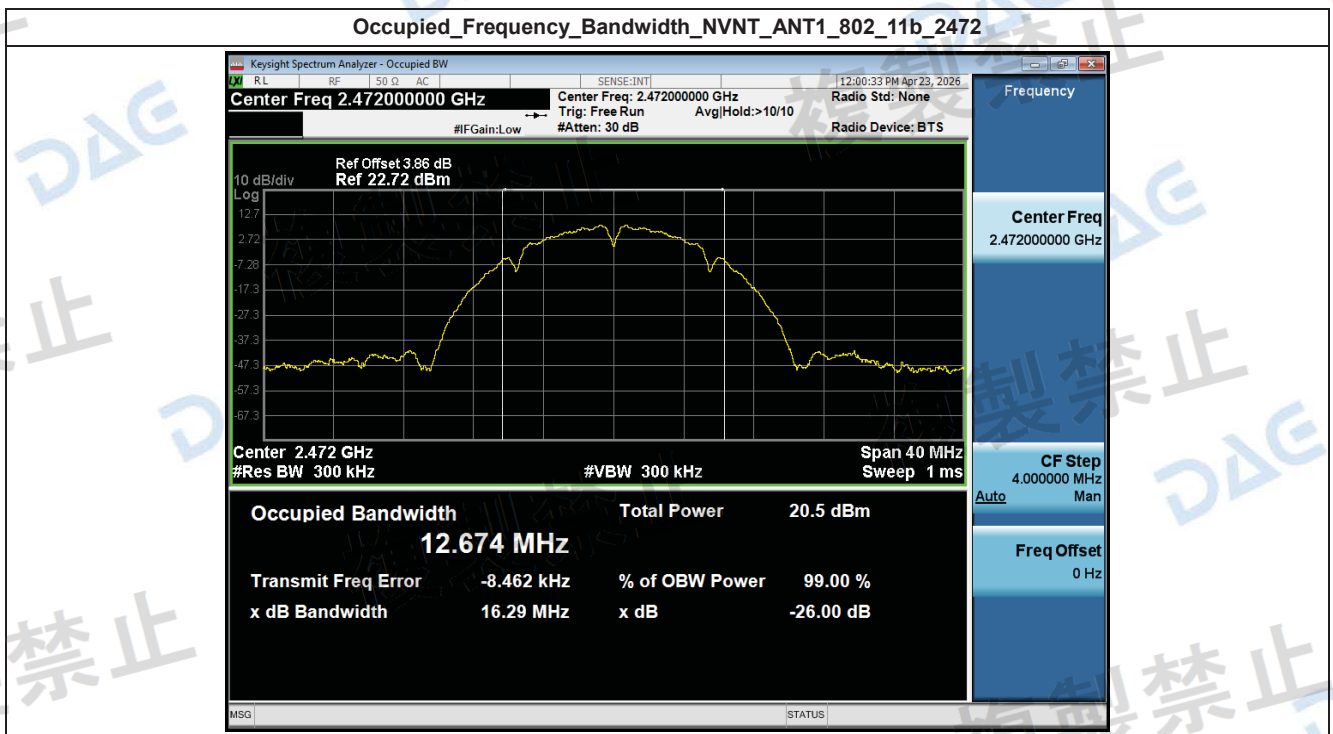
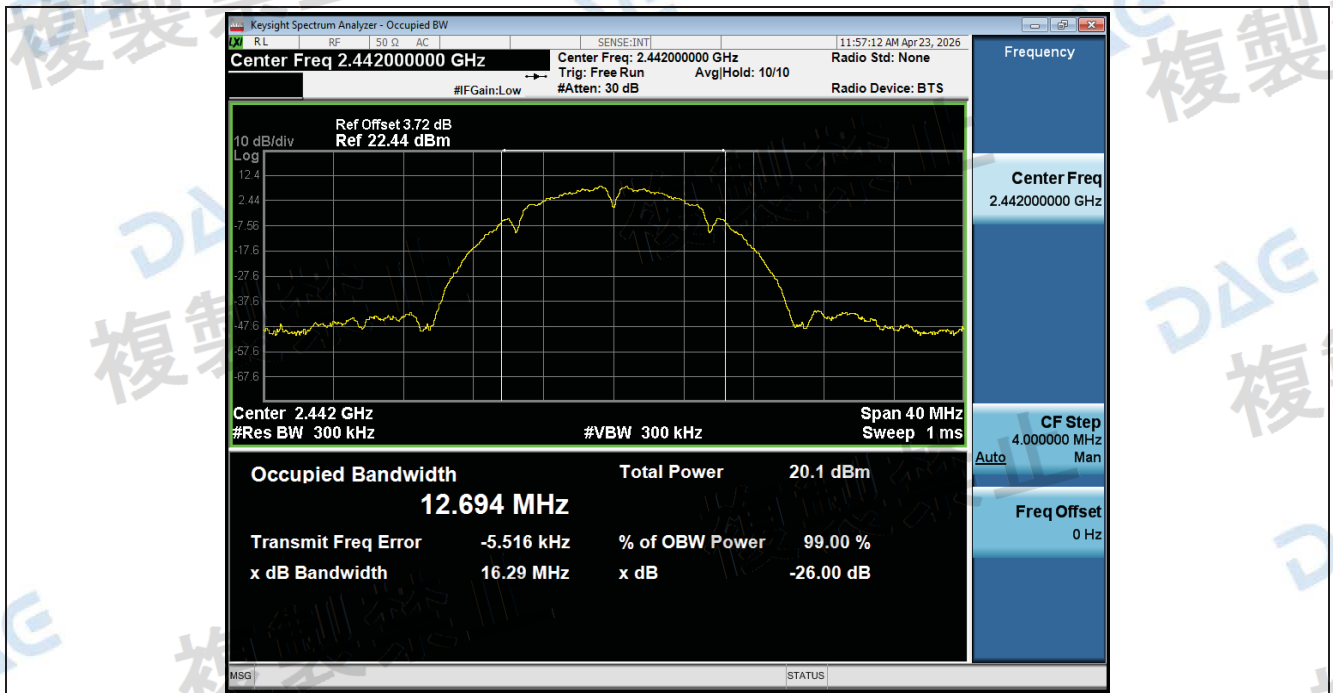
1. Occupied Frequency Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	Occupied Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11b	2412.00	12.71	<26	Pass
NVNT	ANT1	802.11b	2442.00	12.69	<26	Pass
NVNT	ANT1	802.11b	2472.00	12.67	<26	Pass
NVNT	ANT1	802.11g	2412.00	16.40	<26	Pass
NVNT	ANT1	802.11g	2442.00	16.53	<26	Pass
NVNT	ANT1	802.11g	2472.00	16.57	<26	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.57	<26	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	17.68	<26	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	17.63	<26	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	18.90	<26	Pass
NVNT	ANT1	802.11ax(HE20)	2442.00	18.94	<26	Pass
NVNT	ANT1	802.11ax(HE20)	2472.00	18.93	<26	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.86	26~40	Pass
NVNT	ANT1	802.11n(HT40)	2442.00	35.90	26~40	Pass
NVNT	ANT1	802.11n(HT40)	2462.00	35.92	26~40	Pass

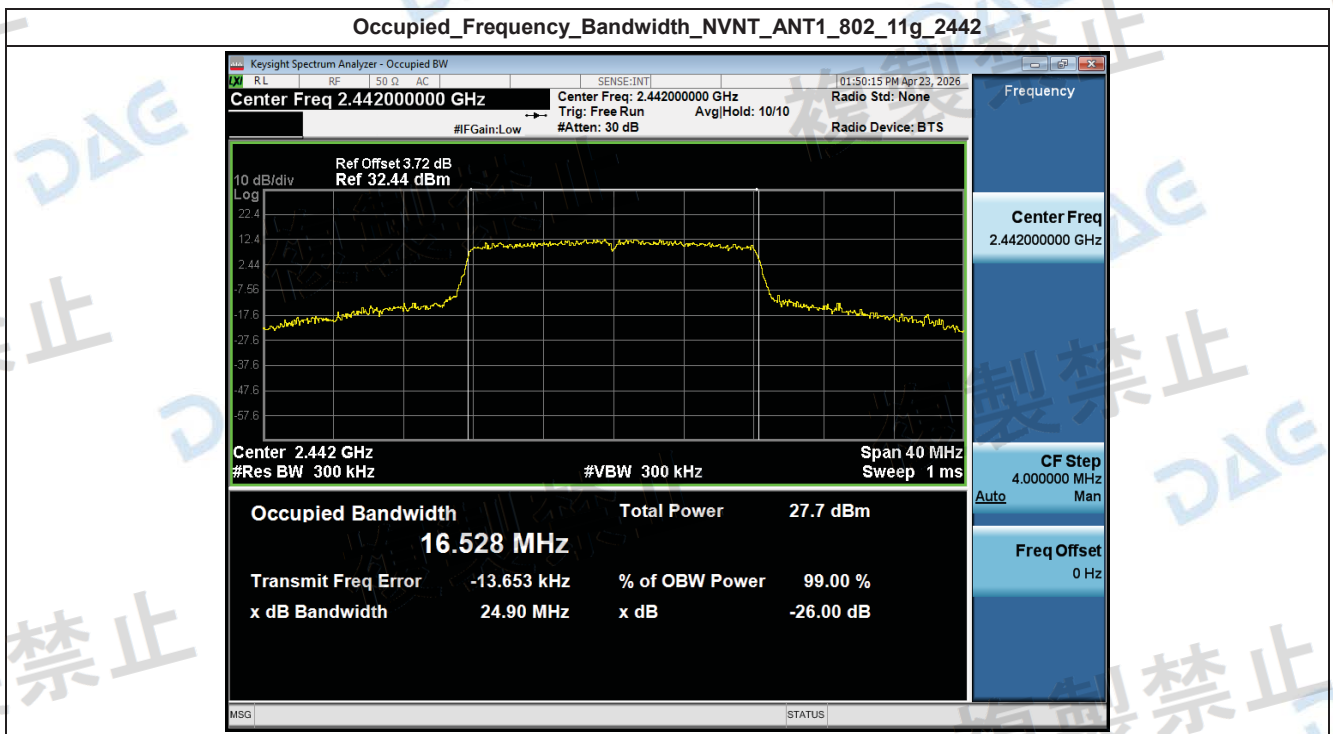
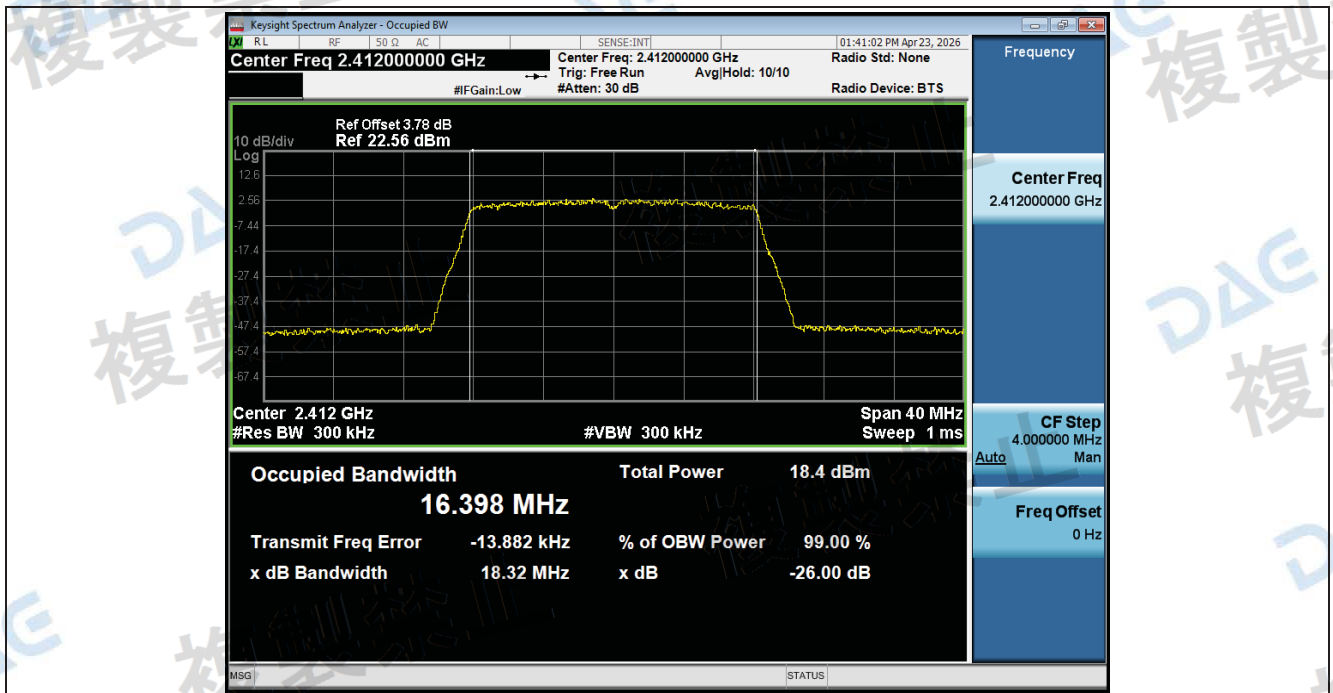
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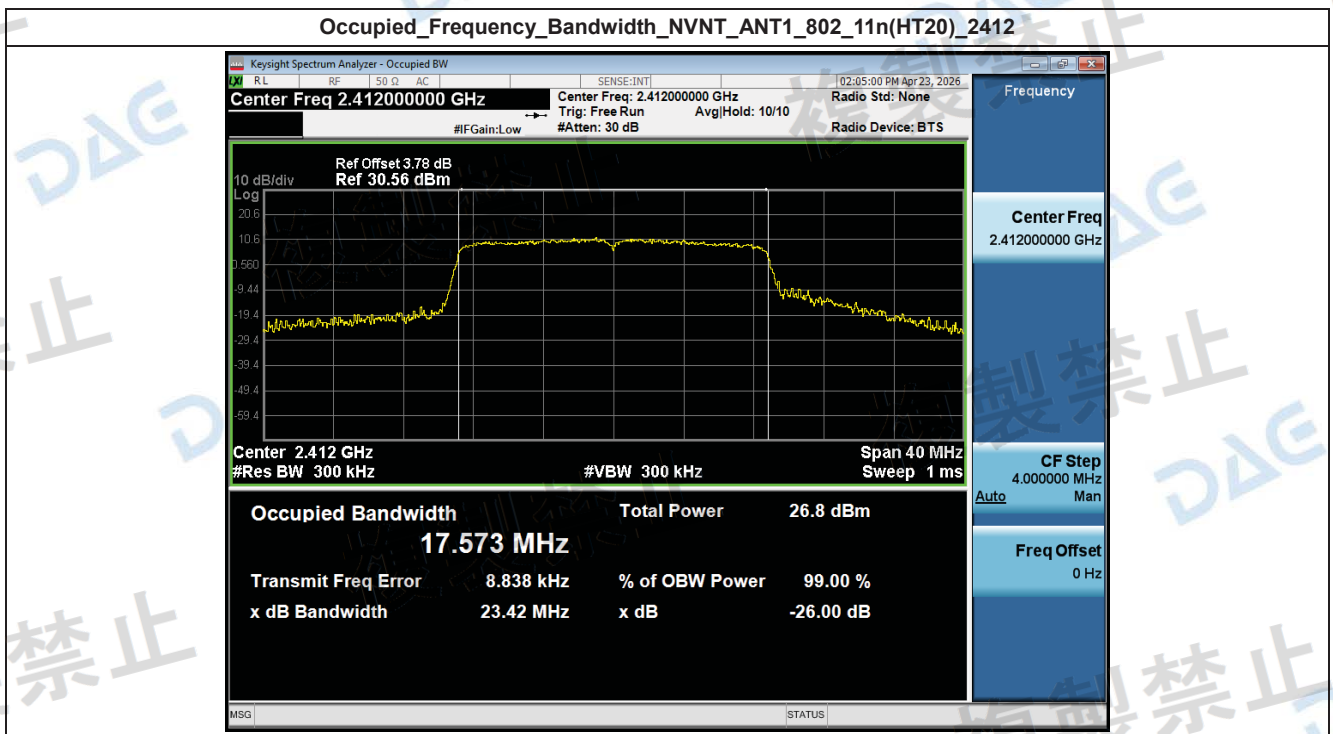
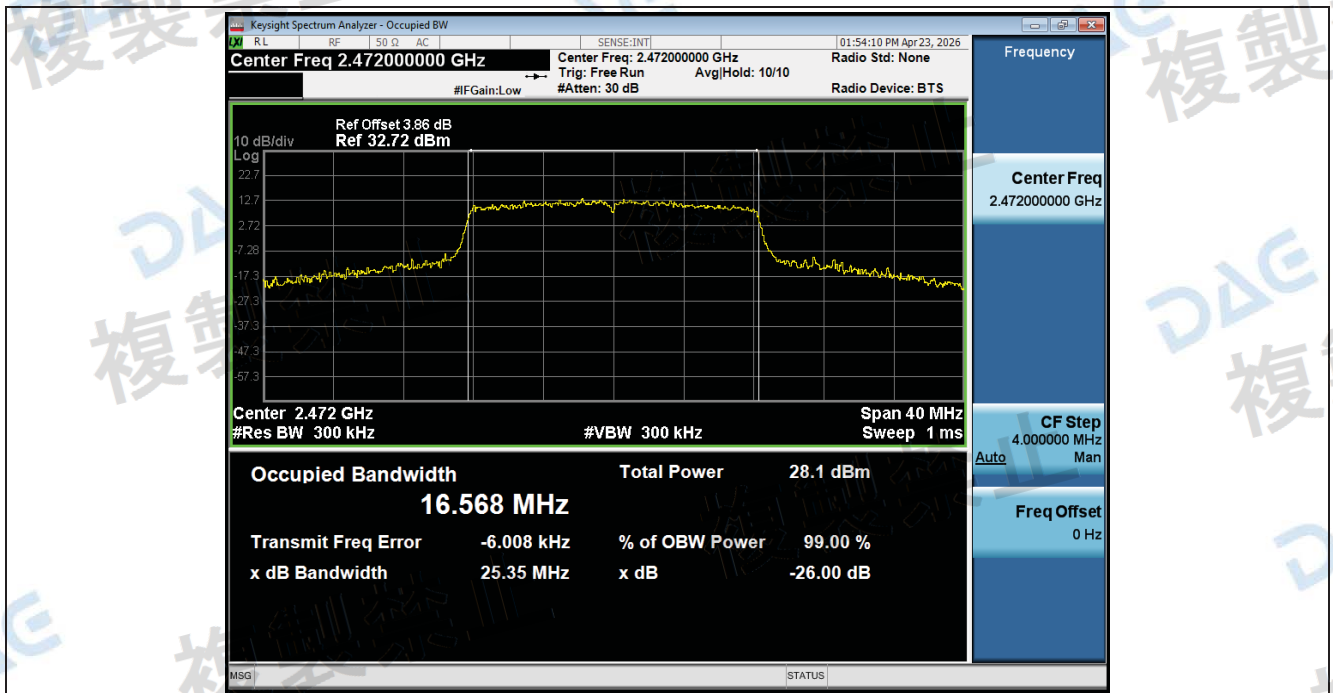
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11b_2442



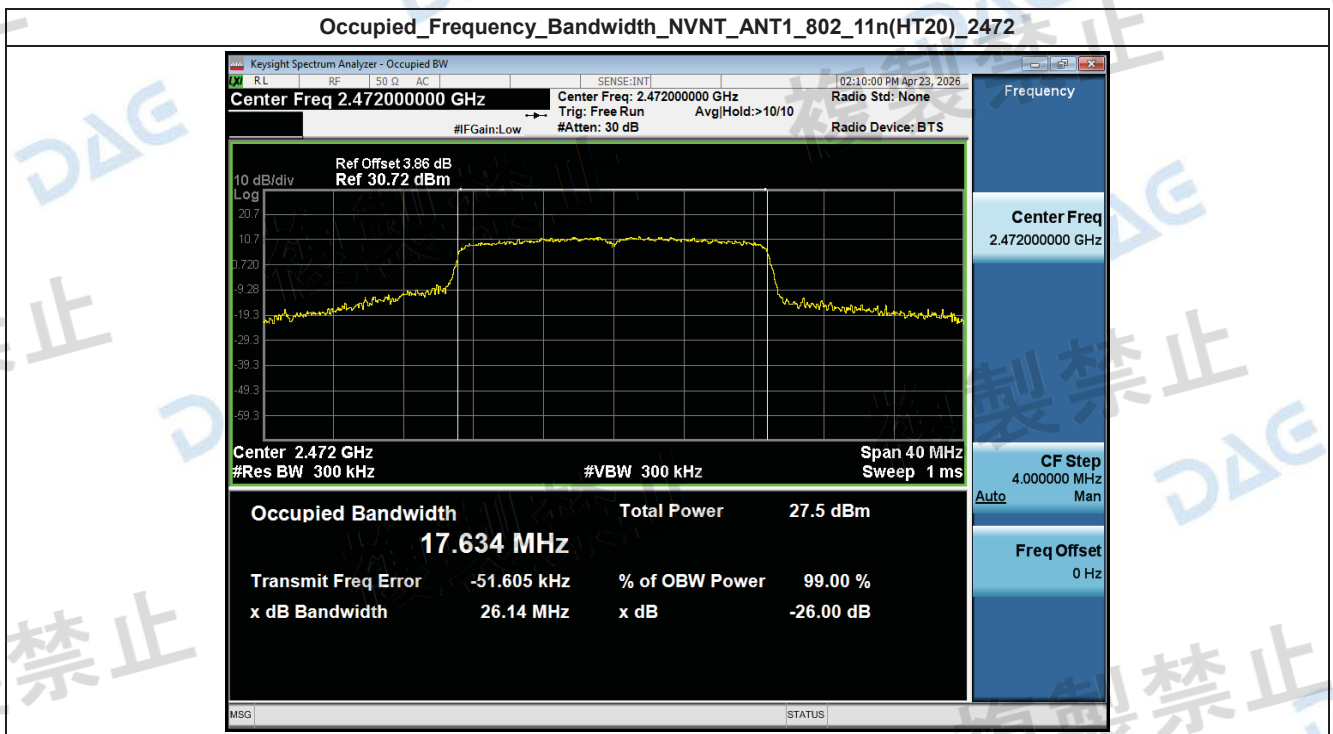
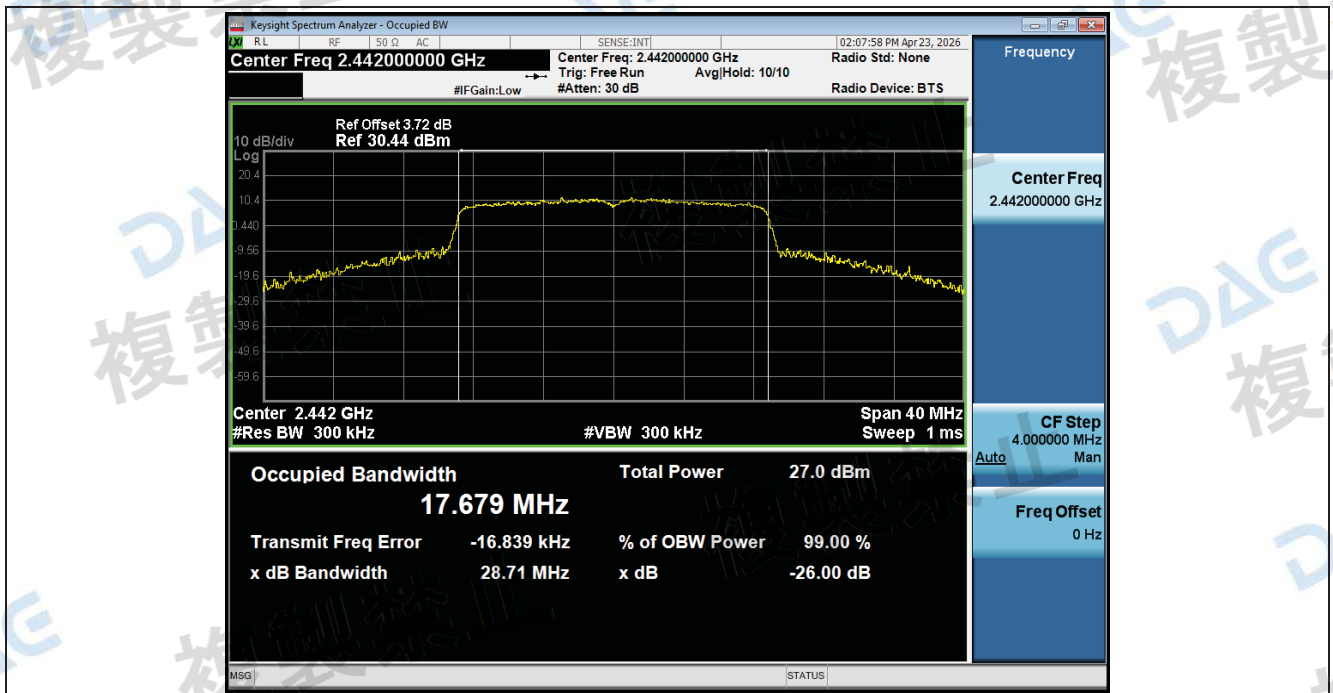
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11g_2412



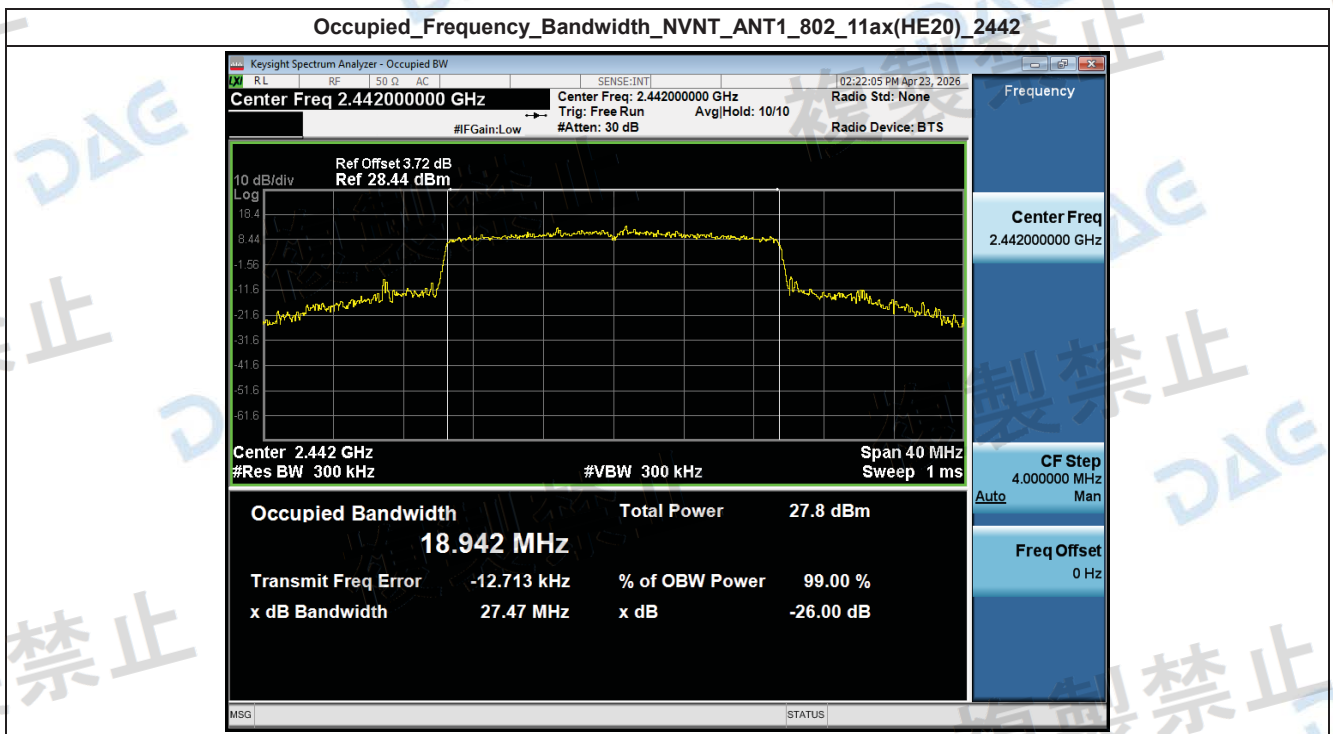
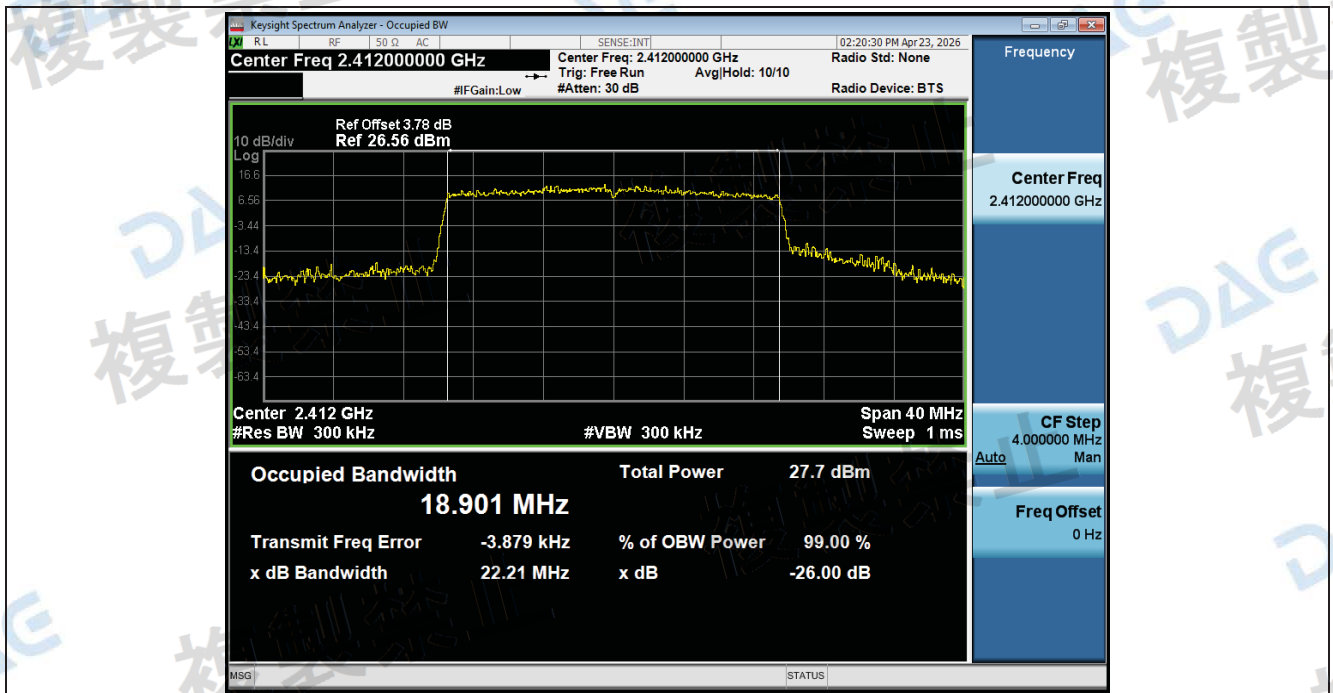
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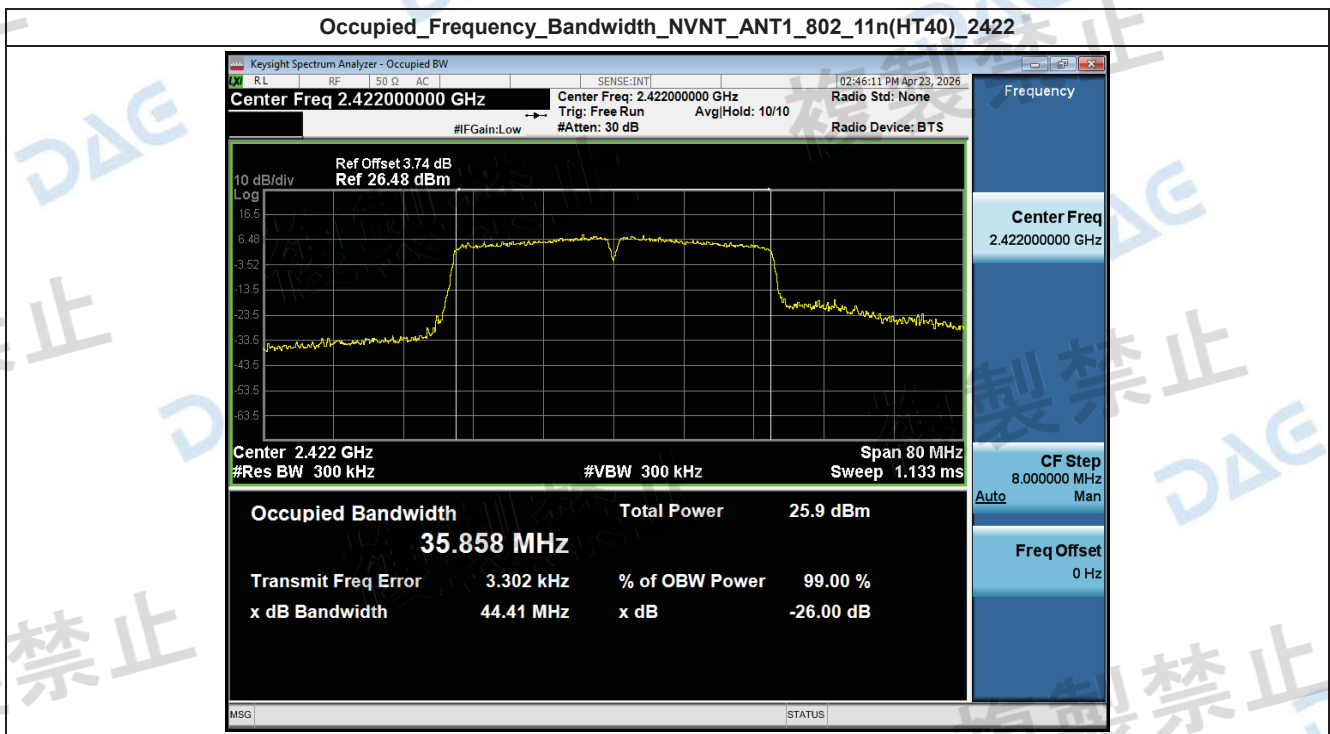
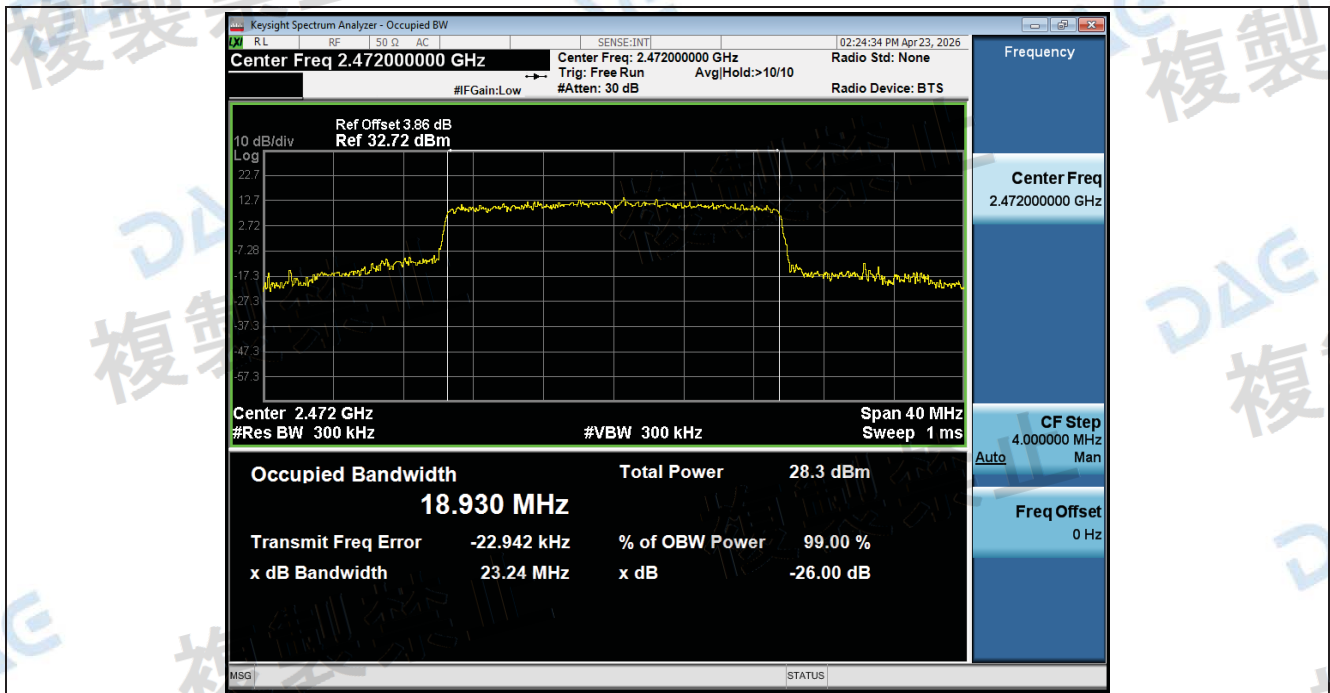
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11n(HT20)_2442



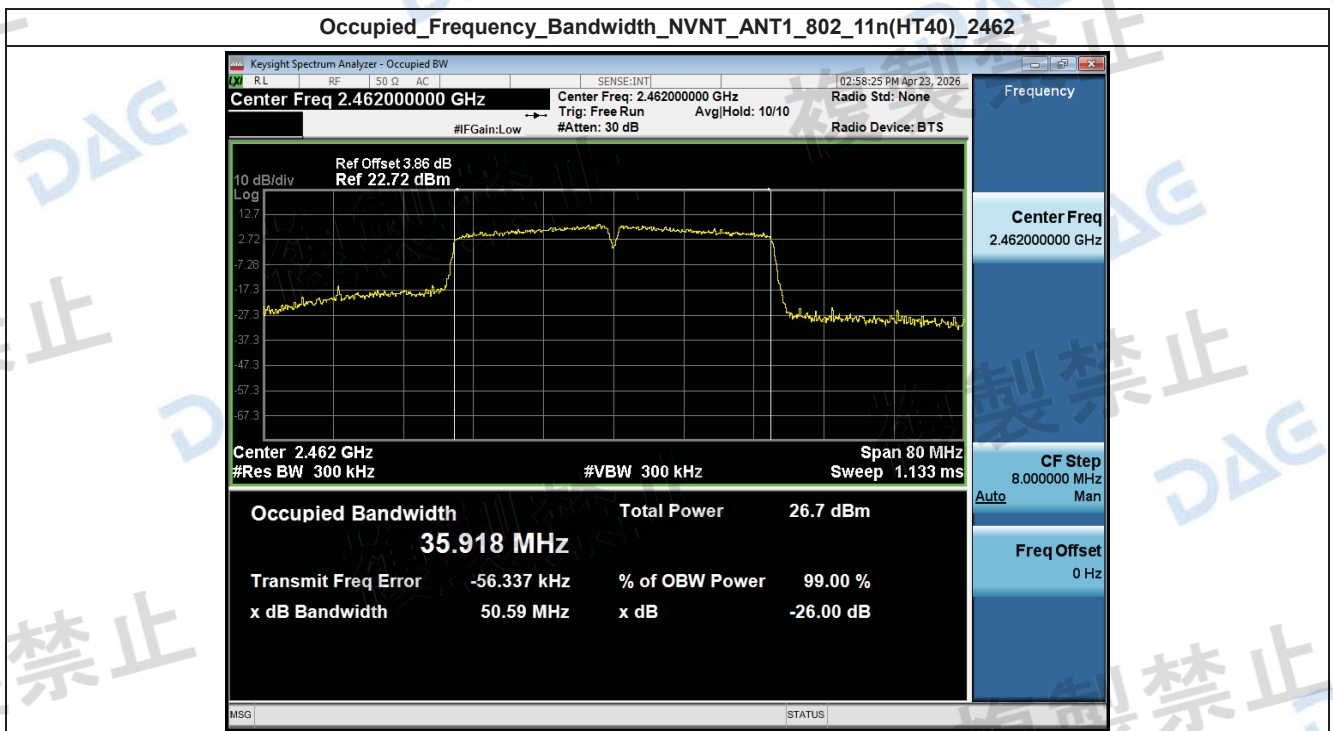
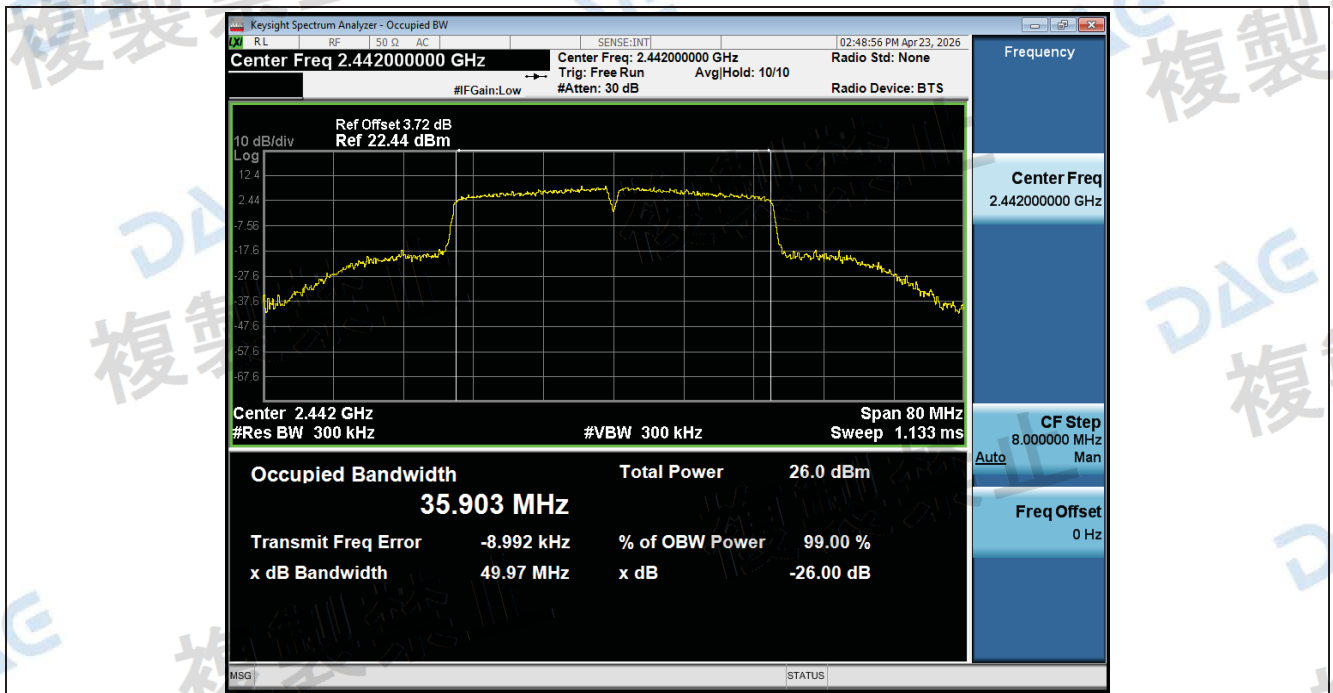
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Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2472



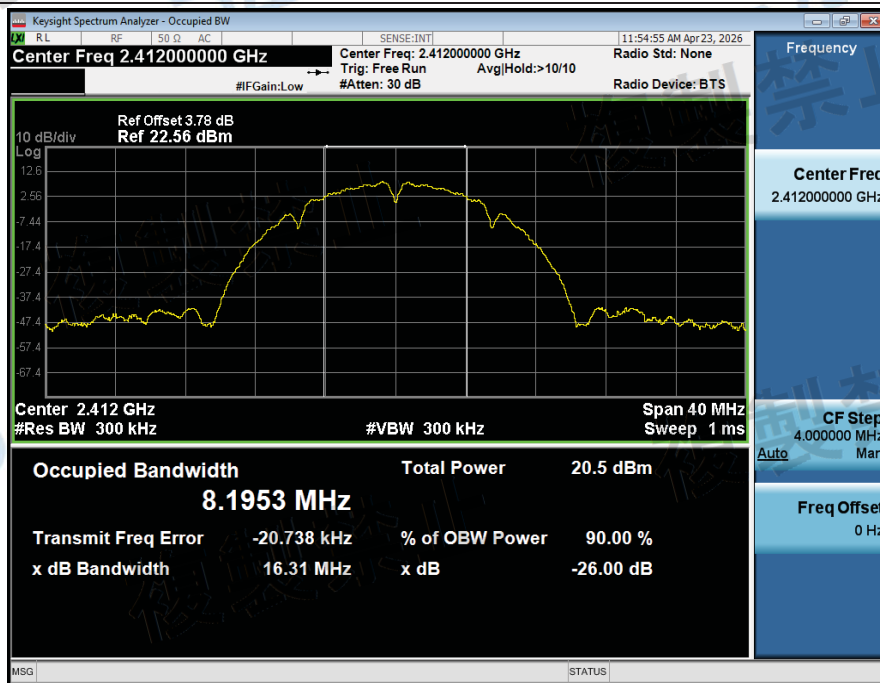
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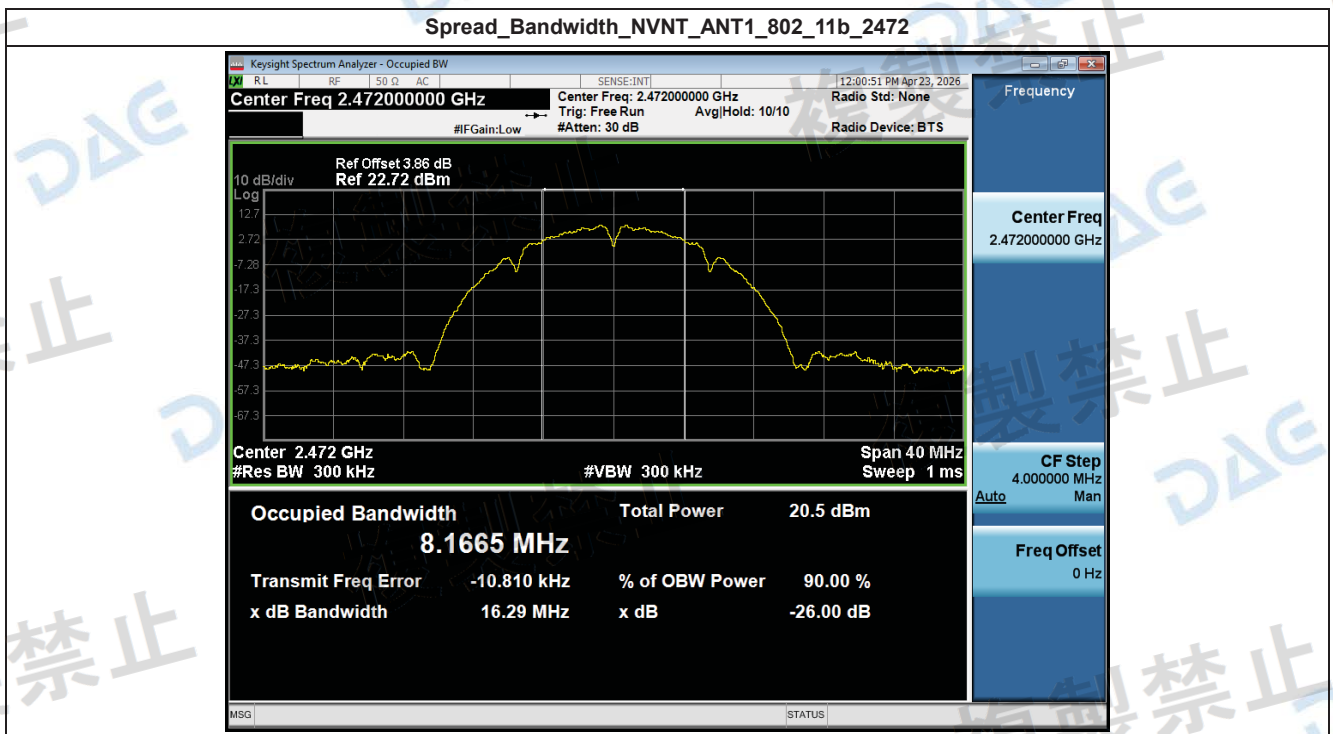
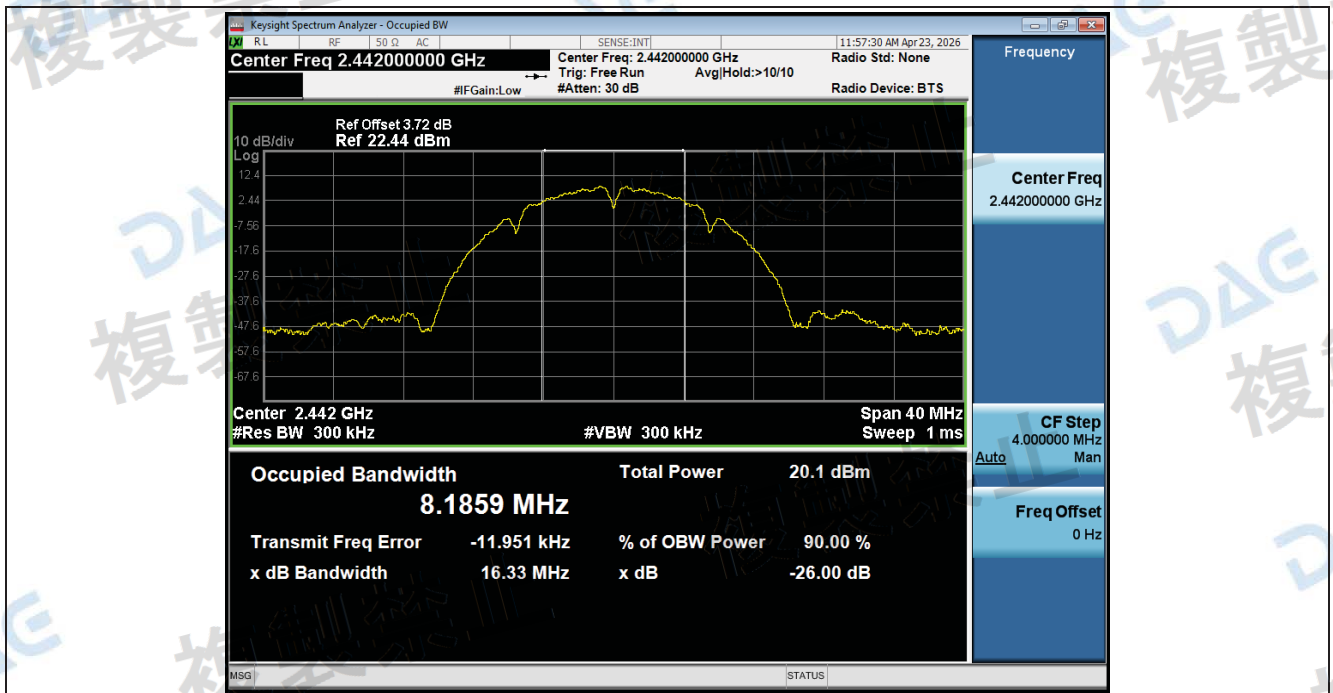
2. Spread Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	Spread Bandwidth(MHz)
NVNT	ANT1	802.11b	2412.00	8.20
NVNT	ANT1	802.11b	2442.00	8.19
NVNT	ANT1	802.11b	2472.00	8.17
NVNT	ANT1	802.11g	2412.00	14.26
NVNT	ANT1	802.11g	2442.00	14.34
NVNT	ANT1	802.11g	2472.00	14.40
NVNT	ANT1	802.11n(HT20)	2412.00	15.21
NVNT	ANT1	802.11n(HT20)	2442.00	15.26
NVNT	ANT1	802.11n(HT20)	2472.00	15.27
NVNT	ANT1	802.11ax(HE20)	2412.00	16.55
NVNT	ANT1	802.11ax(HE20)	2442.00	16.48
NVNT	ANT1	802.11ax(HE20)	2472.00	16.49
NVNT	ANT1	802.11n(HT40)	2422.00	30.84
NVNT	ANT1	802.11n(HT40)	2442.00	30.80
NVNT	ANT1	802.11n(HT40)	2462.00	30.89

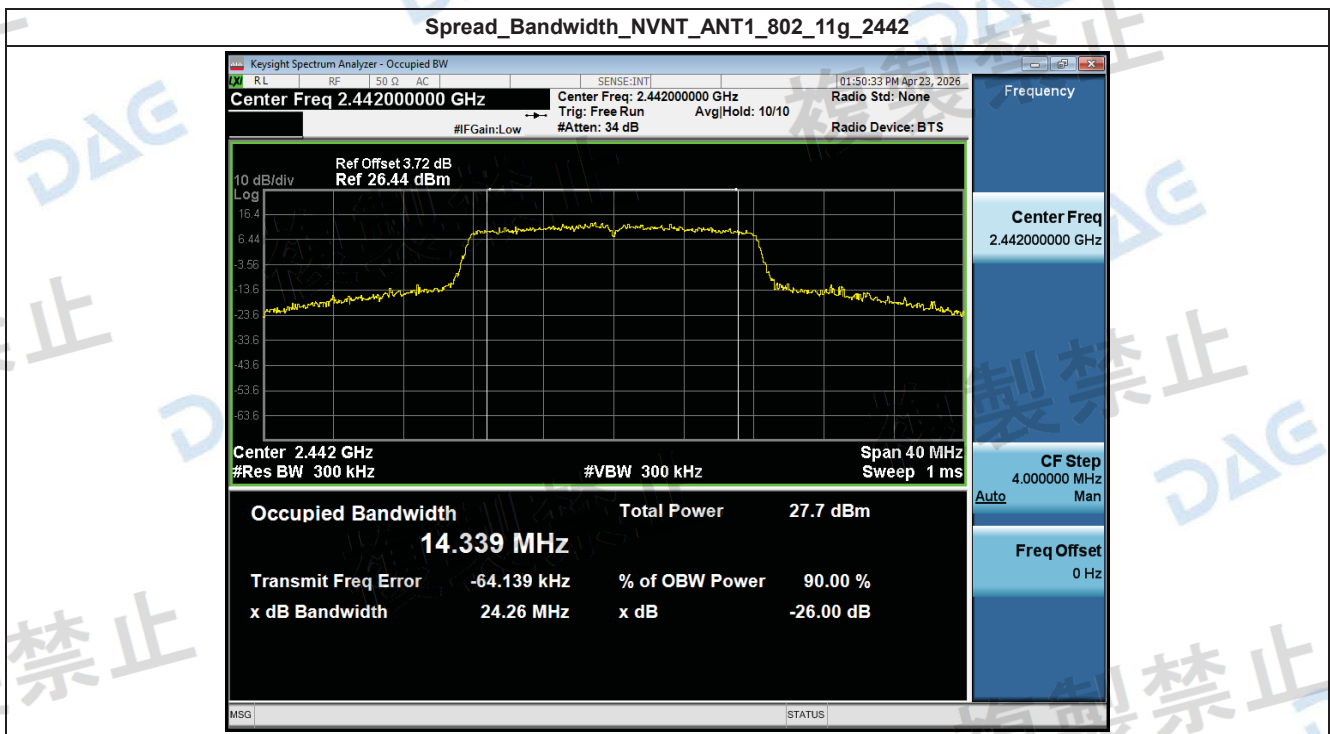
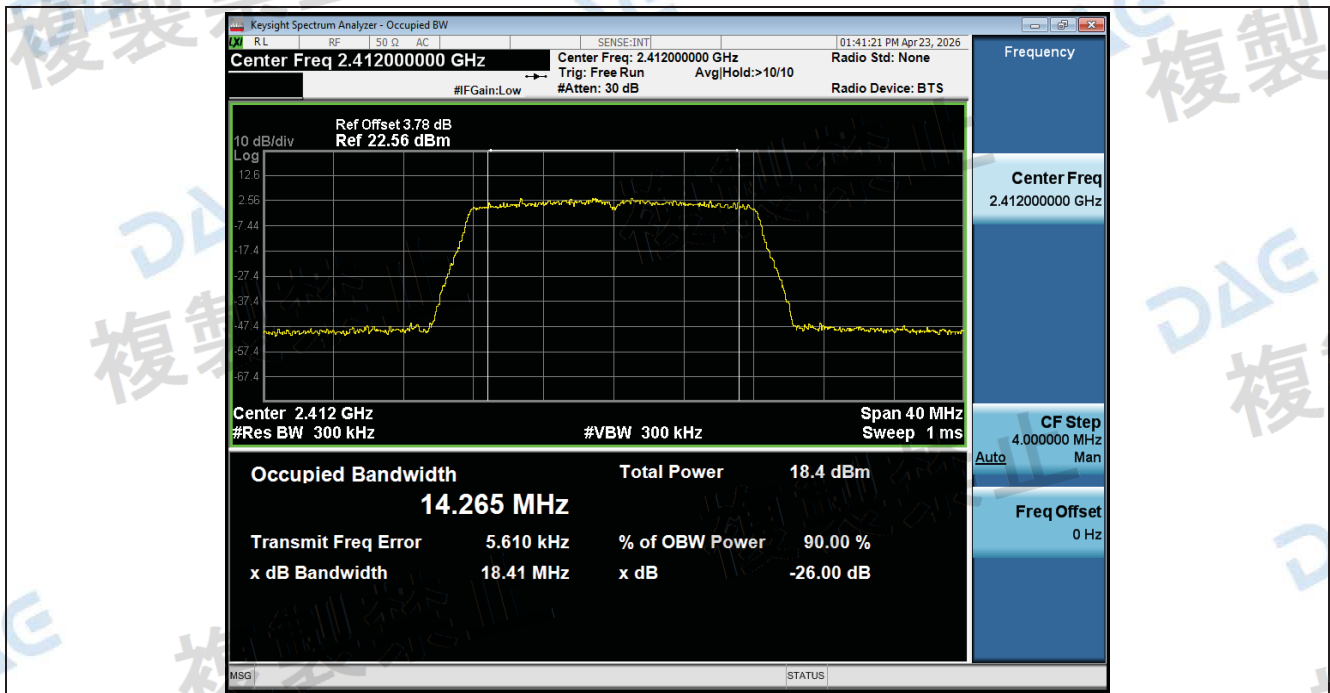
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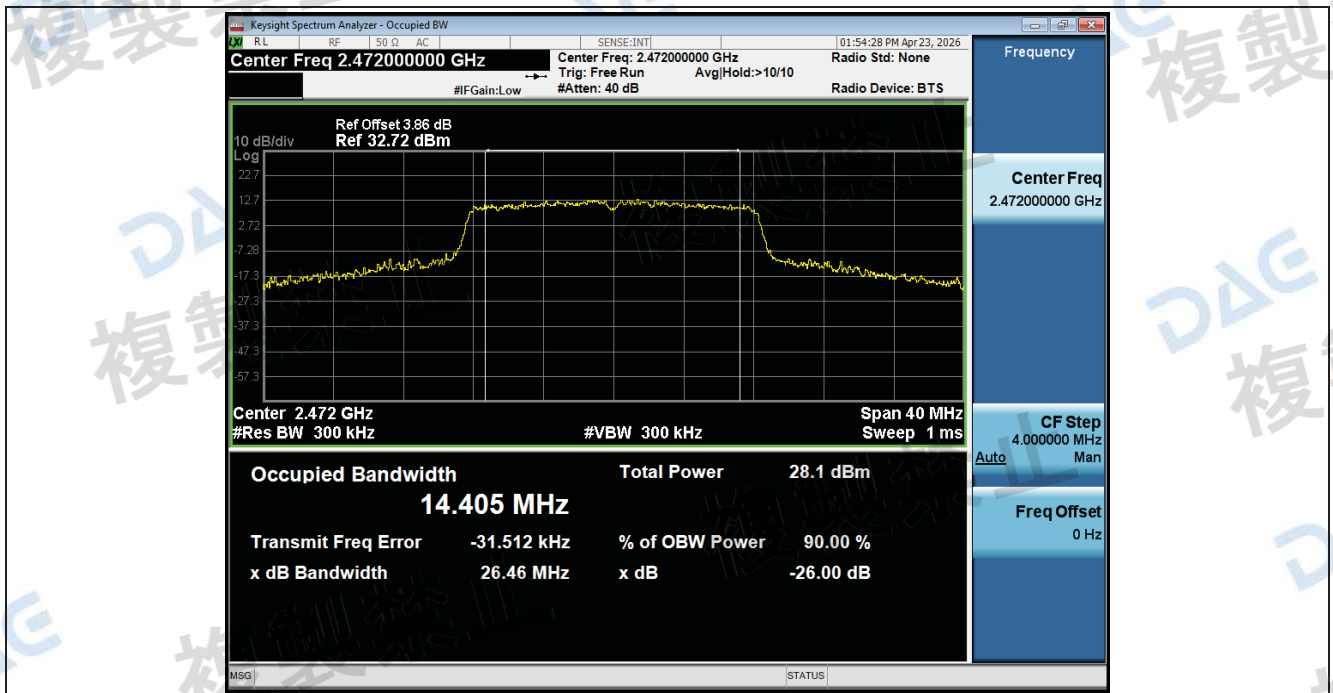
Spread_Bandwidth_NVNT_ANT1_802_11b_2442



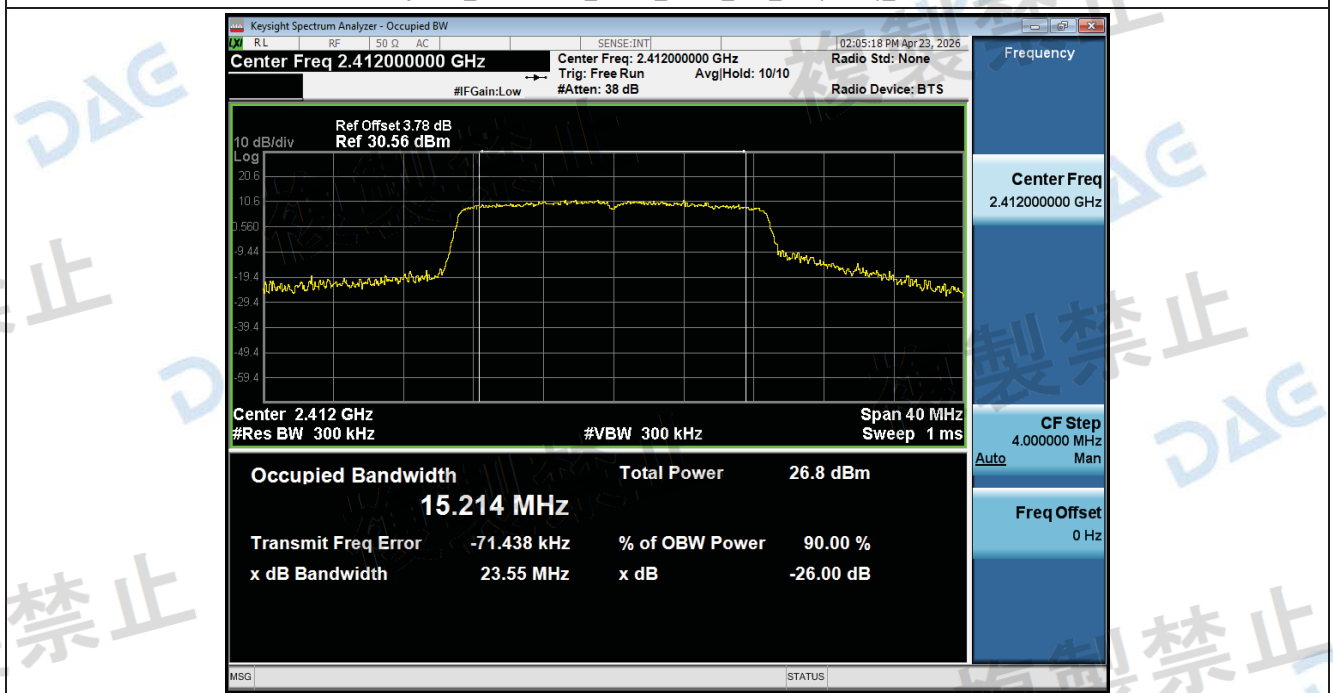
Spread_Bandwidth_NVNT_ANT1_802_11g_2412



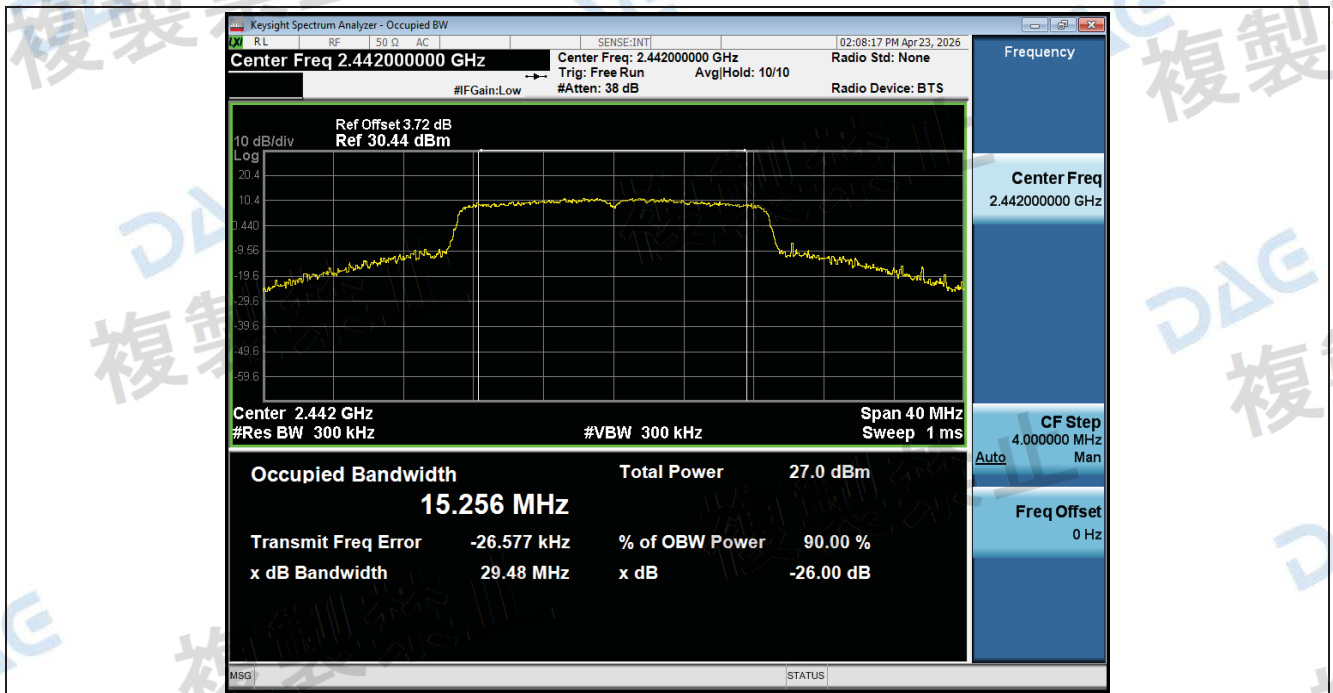
Spread_Bandwidth_NVNT_ANT1_802_11g_2472



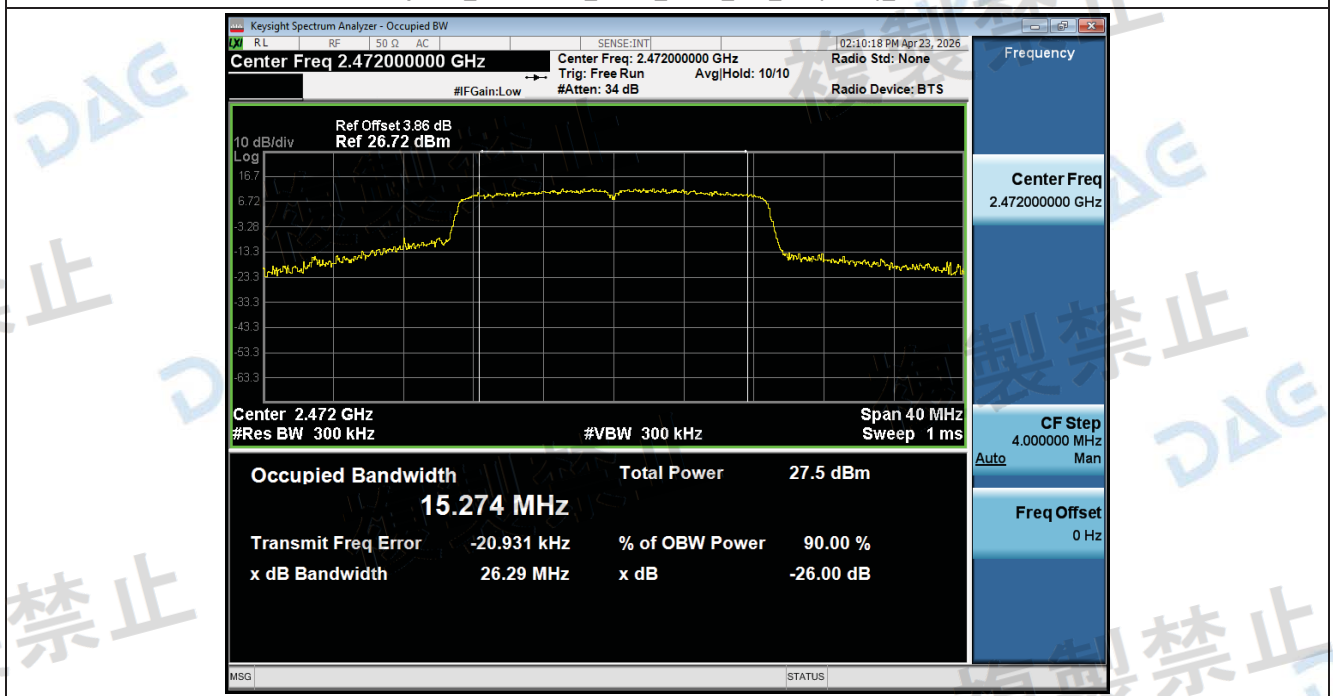
Spread_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



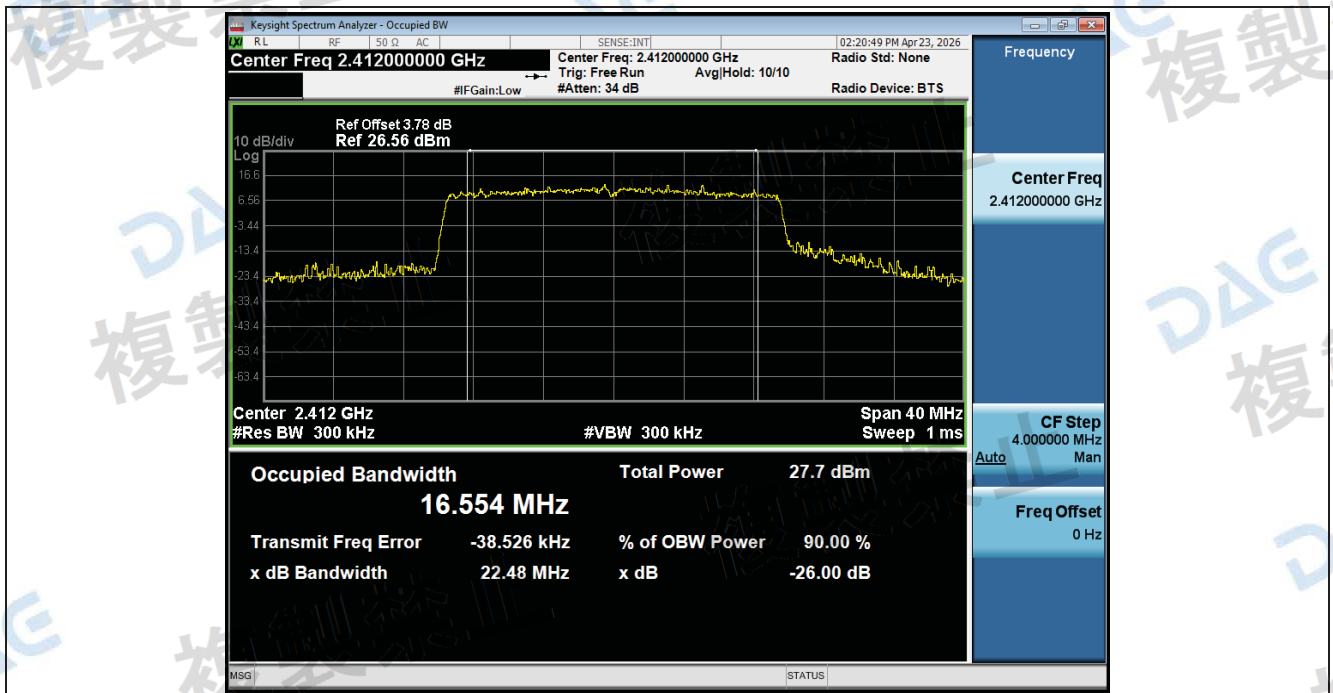
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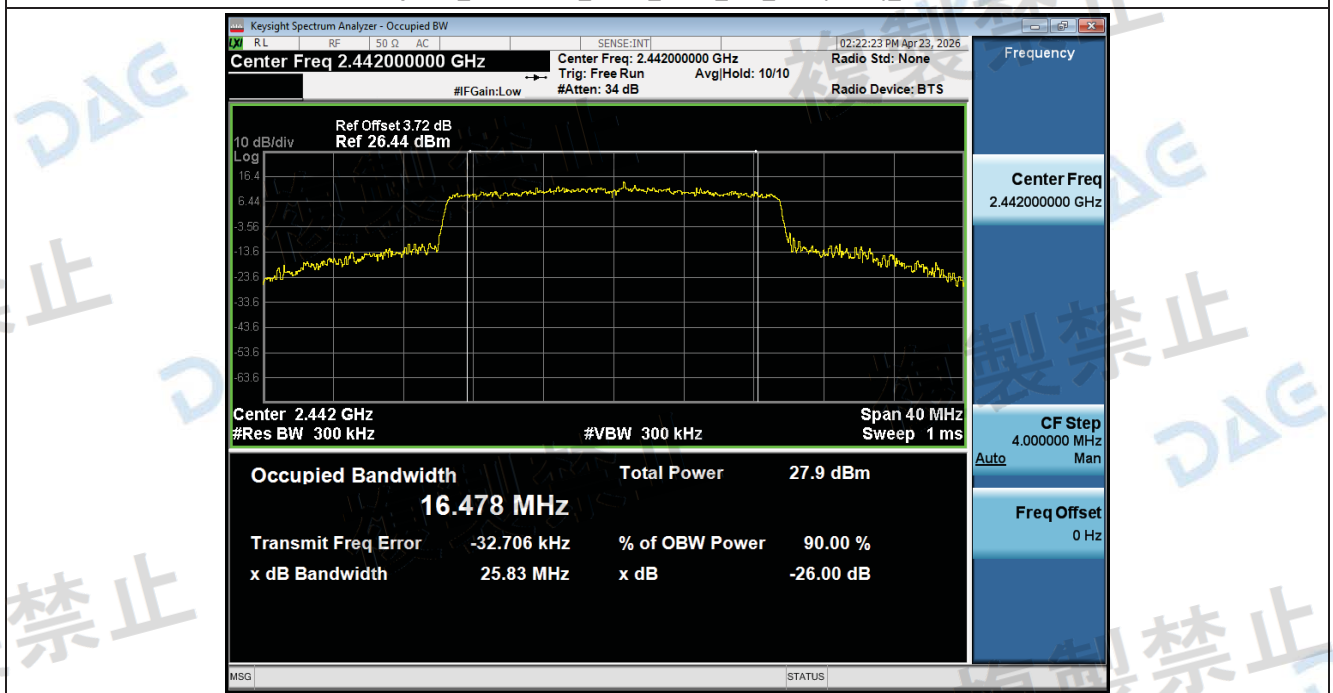
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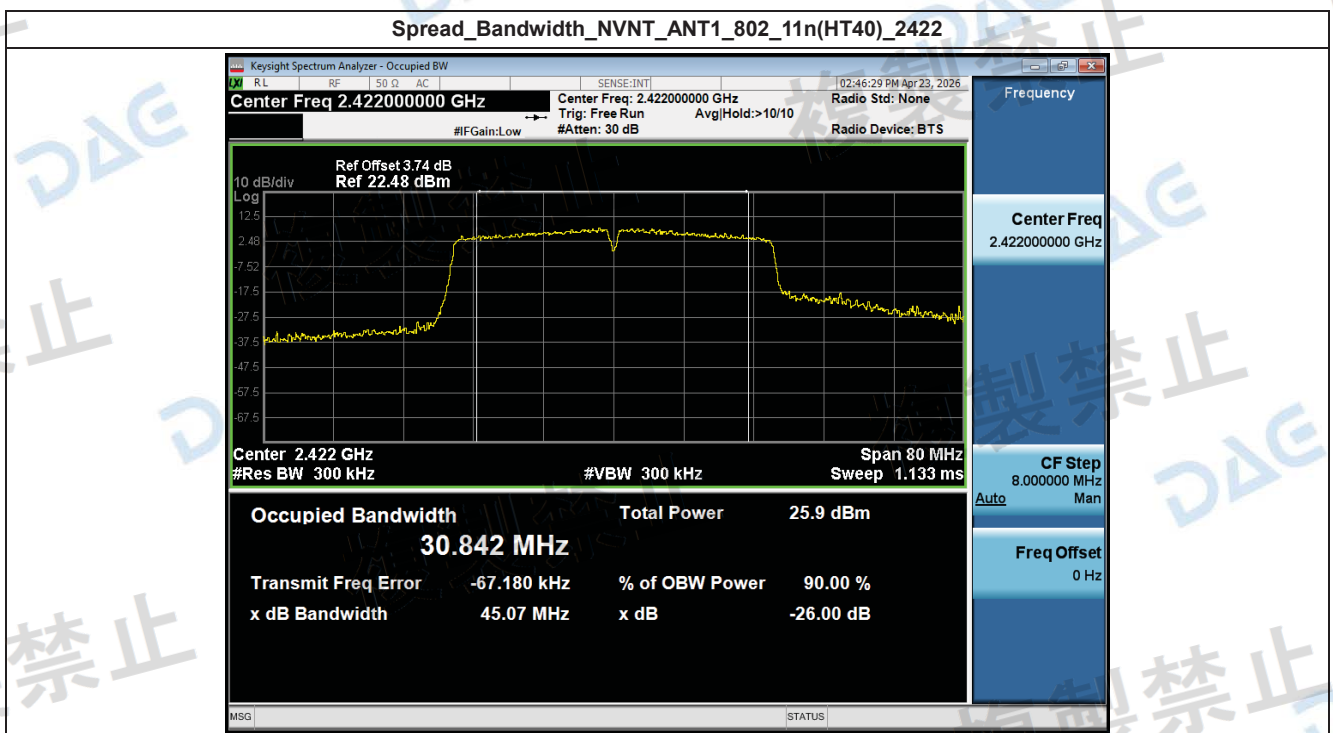
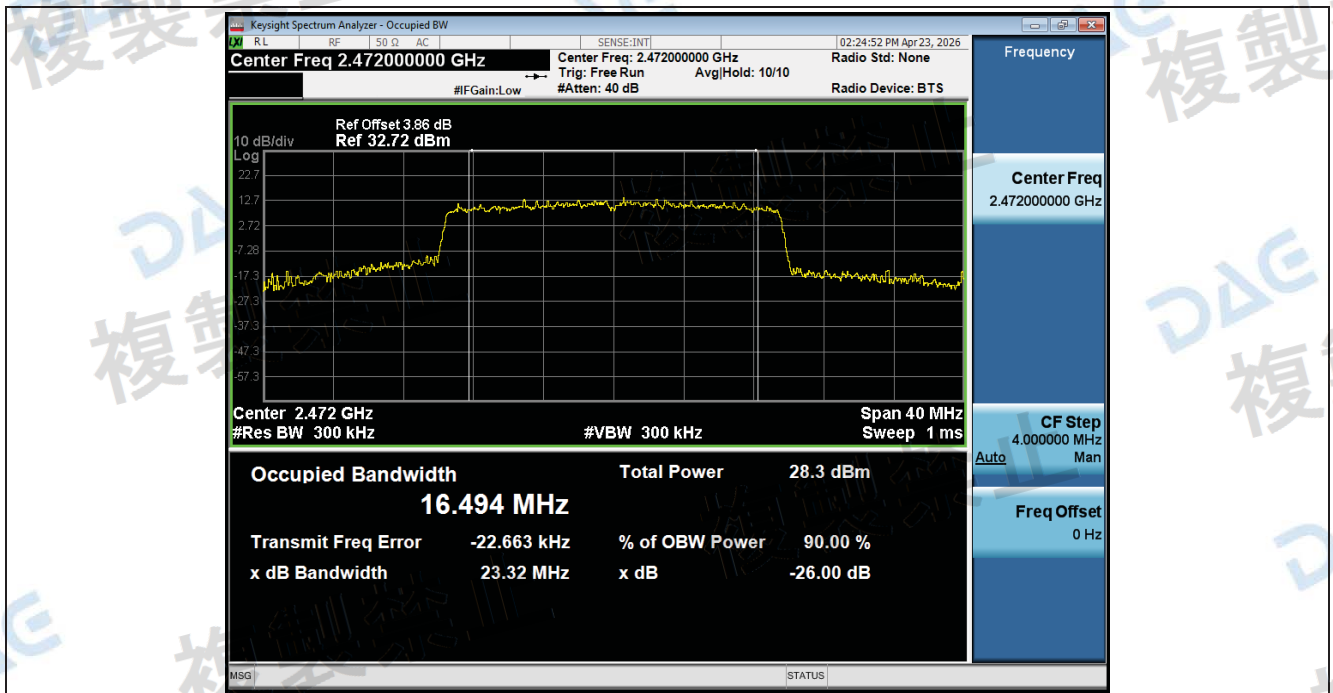
Spread_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2412



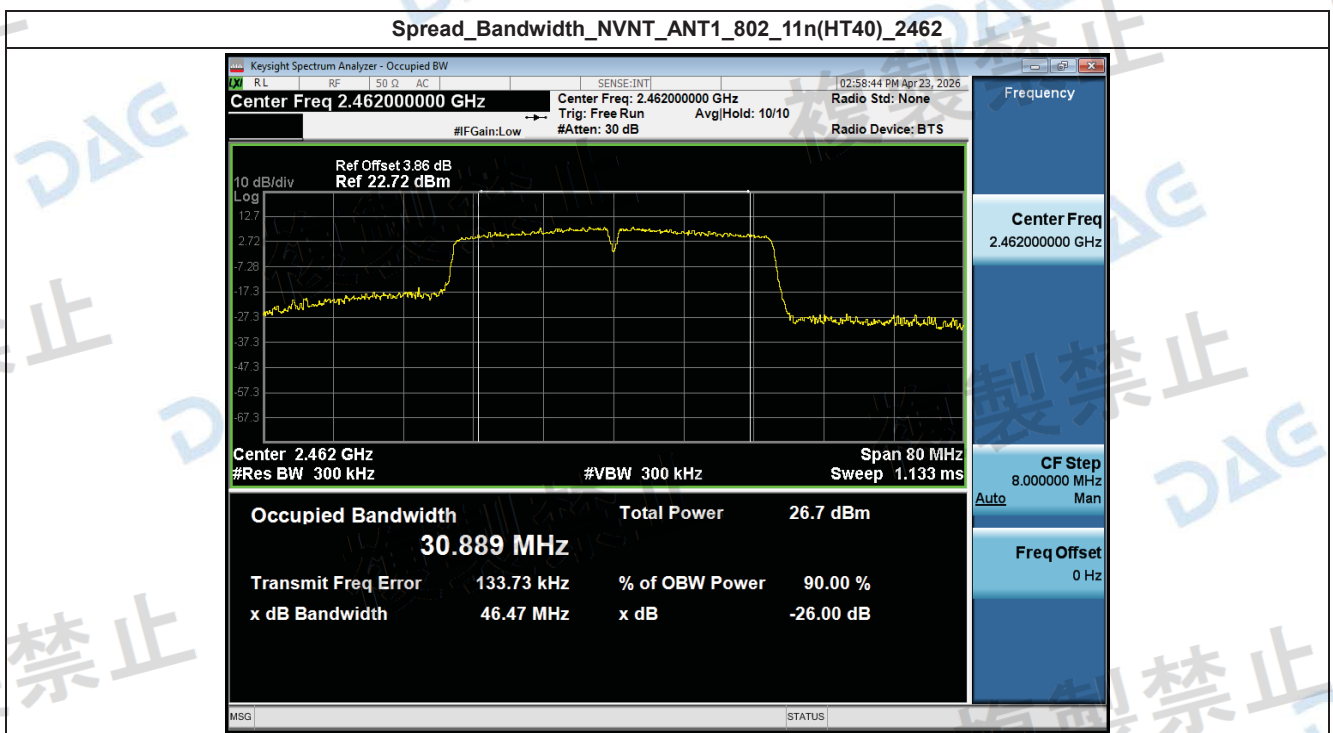
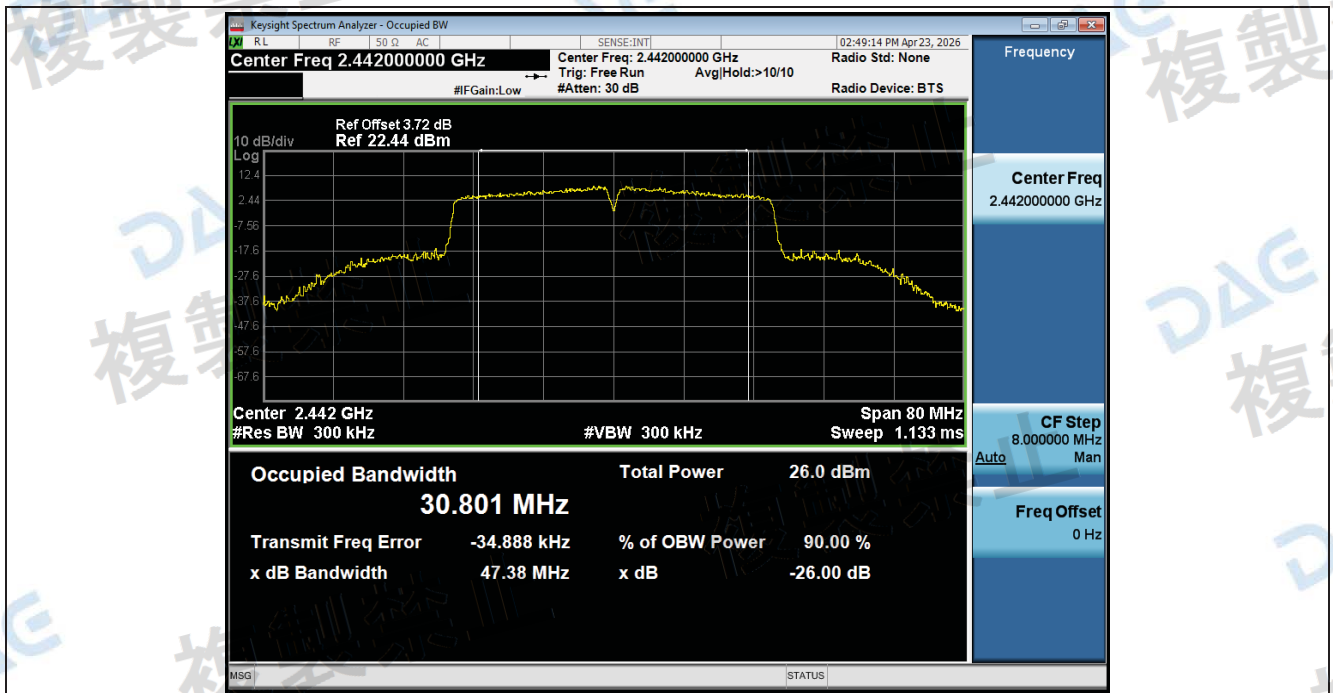
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Spread_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2472



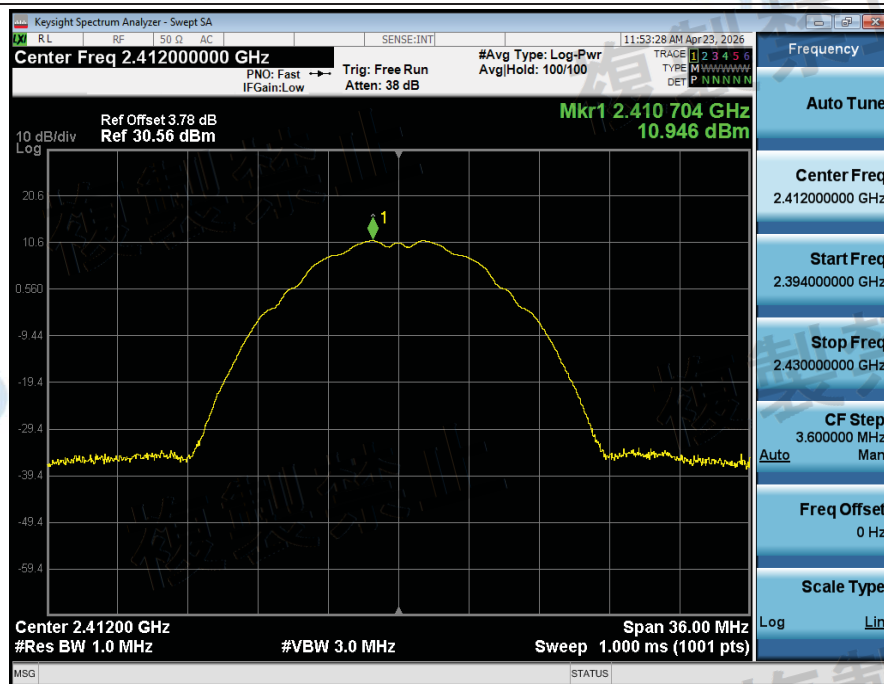
Spread_Bandwidth_NVNT_ANT1_802_11n(HT40)_2442



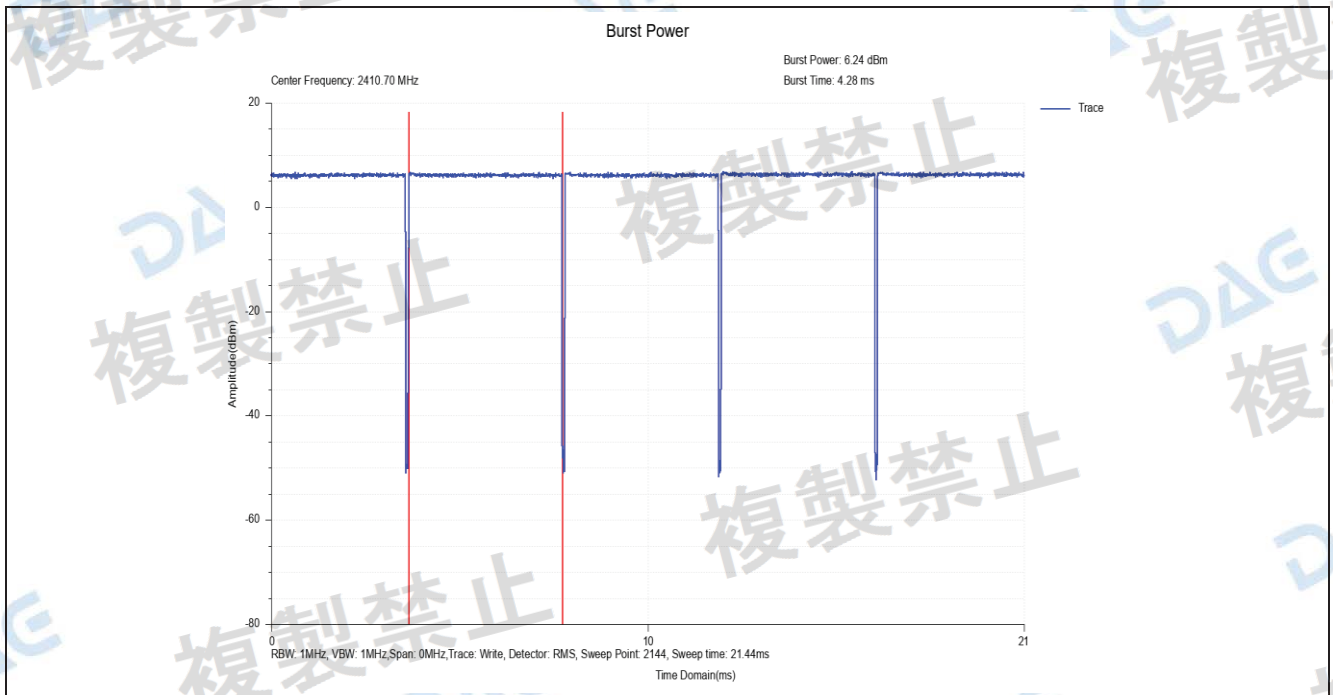
3. Antenna Power

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	6.24	4.21	5	10.00	-15.85	+20	Pass
NVNT	ANT1	802.11b	2442.00	6.10	4.07	5	10.00	-18.52	+20	Pass
NVNT	ANT1	802.11b	2472.00	6.22	4.18	5	10.00	-16.24	+20	Pass
NVNT	ANT1	802.11g	2412.00	6.08	4.05	5	10.00	-18.90	+20	Pass
NVNT	ANT1	802.11g	2442.00	6.54	4.50	5	10.00	-9.84	+20	Pass
NVNT	ANT1	802.11g	2472.00	6.66	4.63	5	10.00	-7.31	+20	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	6.36	4.33	5	10.00	-13.50	+20	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	6.85	4.85	5	10.00	-3.17	+20	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	6.72	4.70	5	10.00	-6.02	+20	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	6.27	4.24	5	10.00	-15.27	+20	Pass
NVNT	ANT1	802.11ax(HE20)	2442.00	6.38	4.35	5	10.00	-13.10	+20	Pass
NVNT	ANT1	802.11ax(HE20)	2472.00	6.81	4.80	5	10.00	-4.05	+20	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2.70	1.86	2	5.00	-6.90	+20	Pass
NVNT	ANT1	802.11n(HT40)	2442.00	2.29	1.69	2	5.00	-15.28	+20	Pass
NVNT	ANT1	802.11n(HT40)	2462.00	2.69	1.86	2	5.00	-7.11	+20	Pass

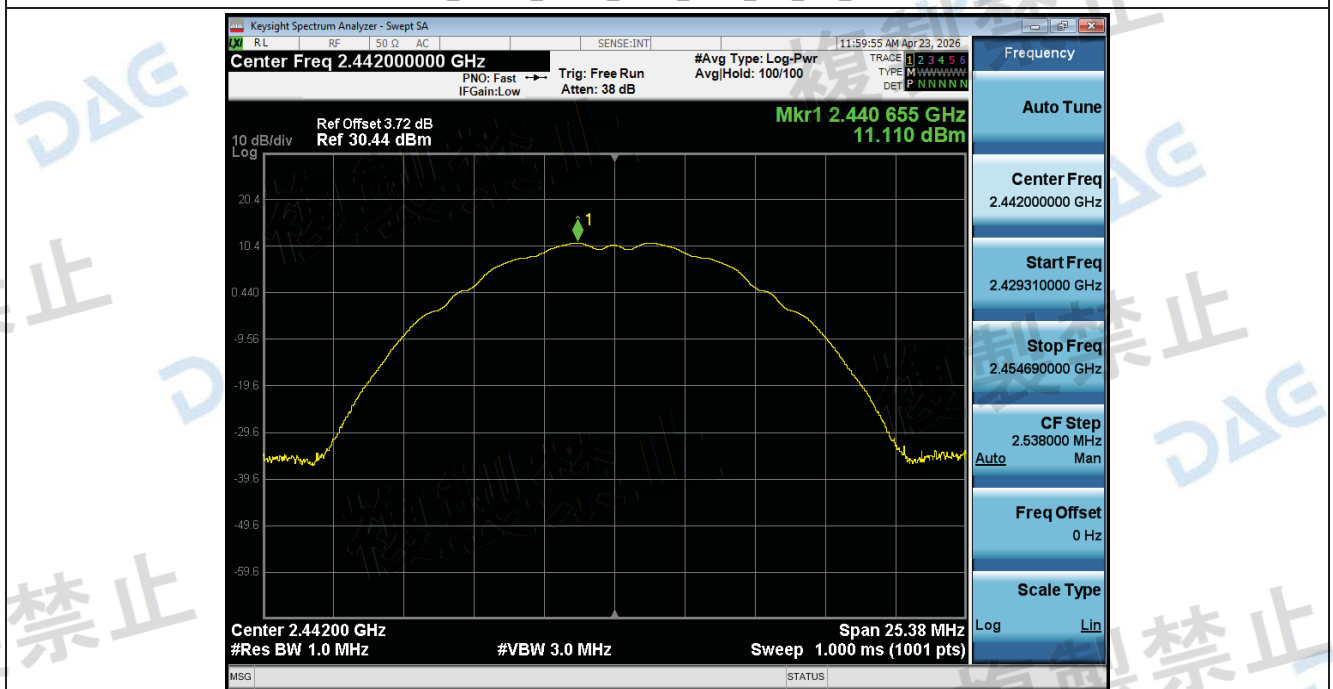
1_Antenna_Power_NVNT_ANT1_802_11b_2412



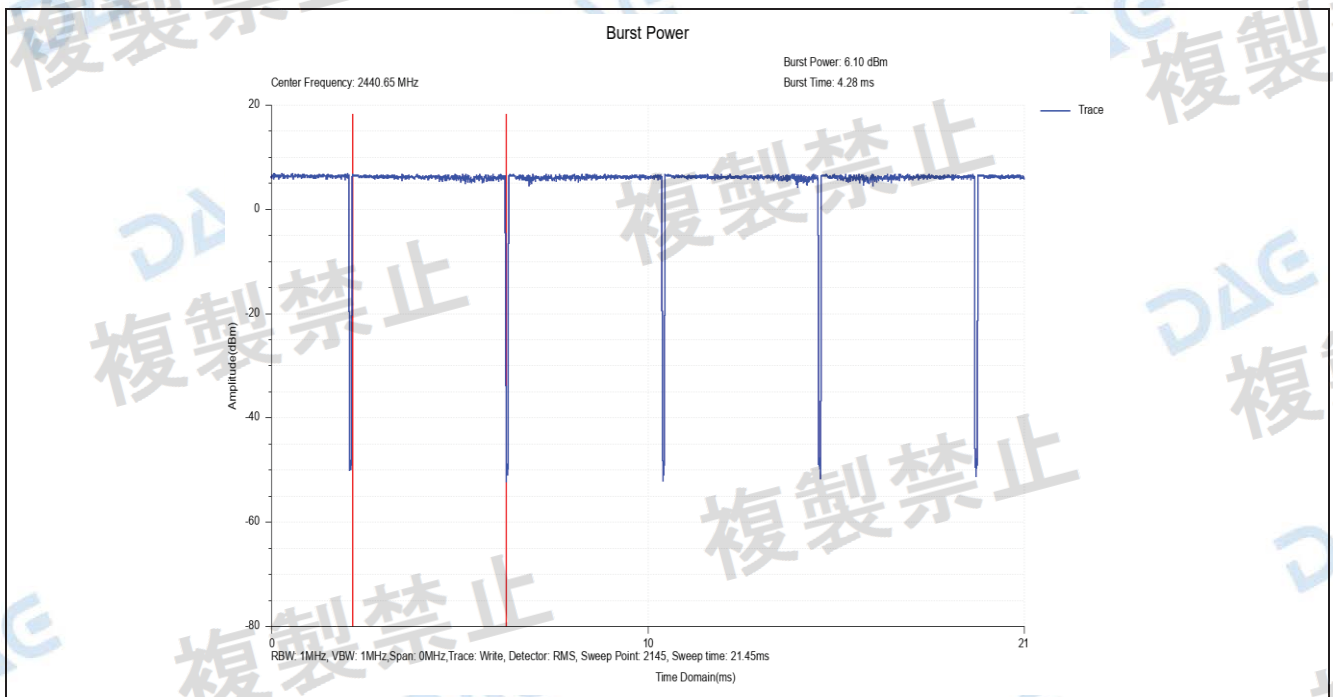
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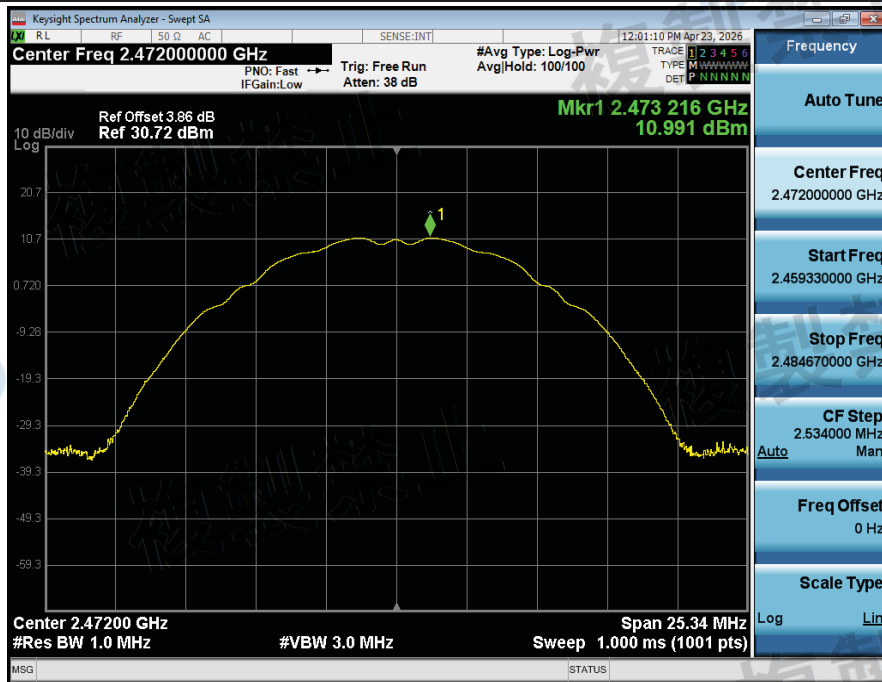
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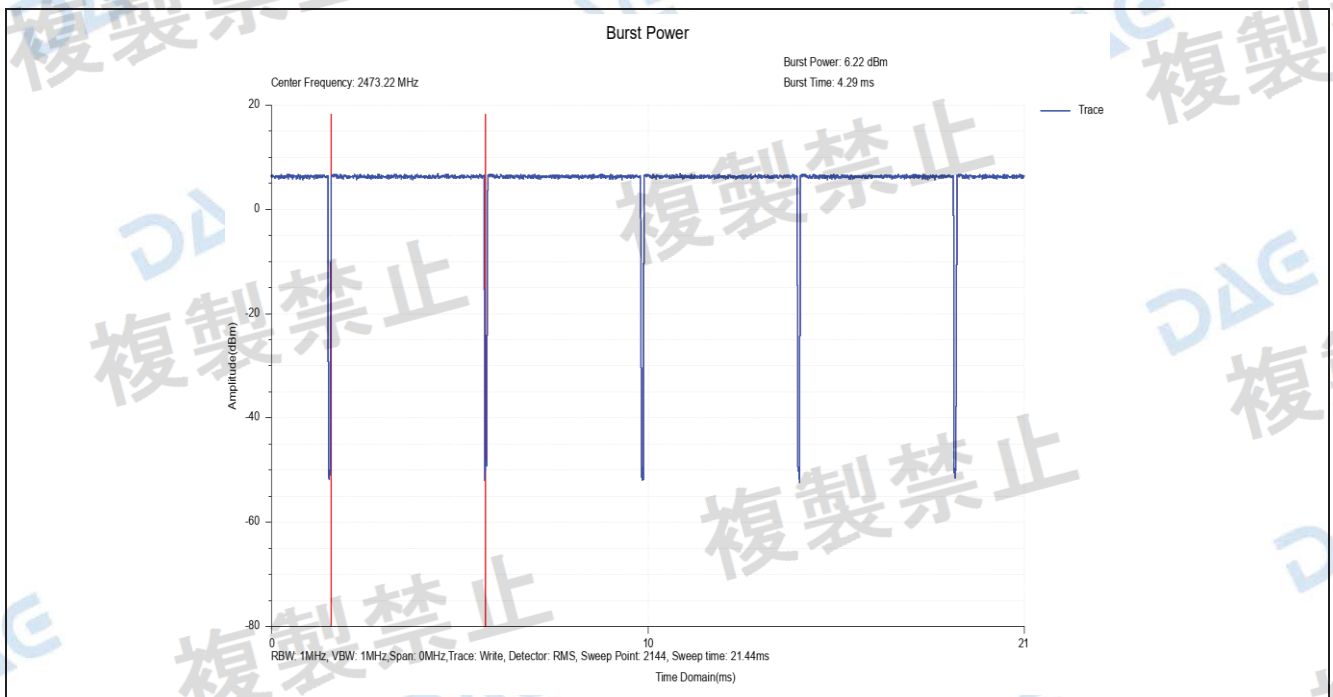
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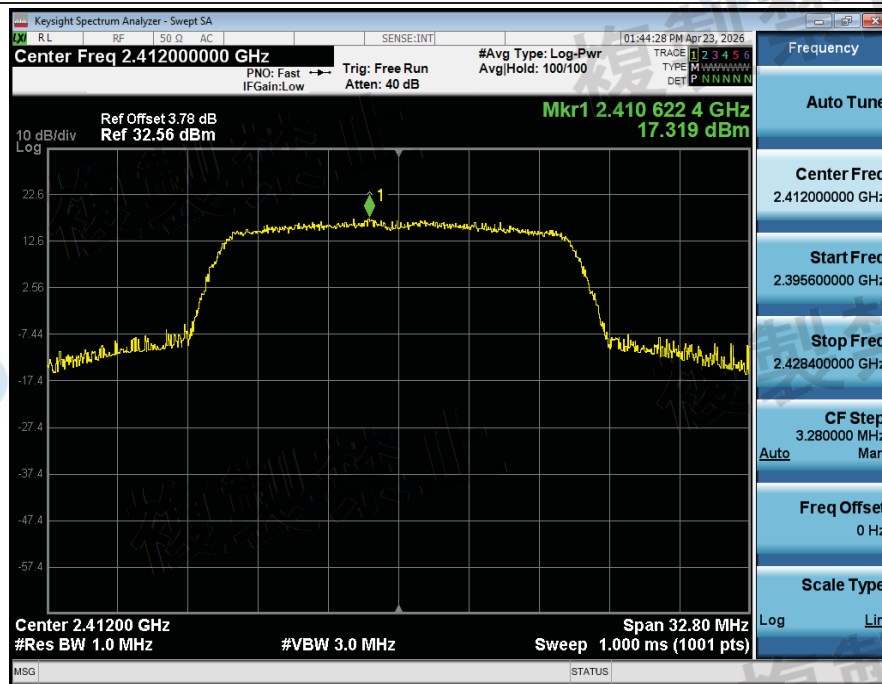
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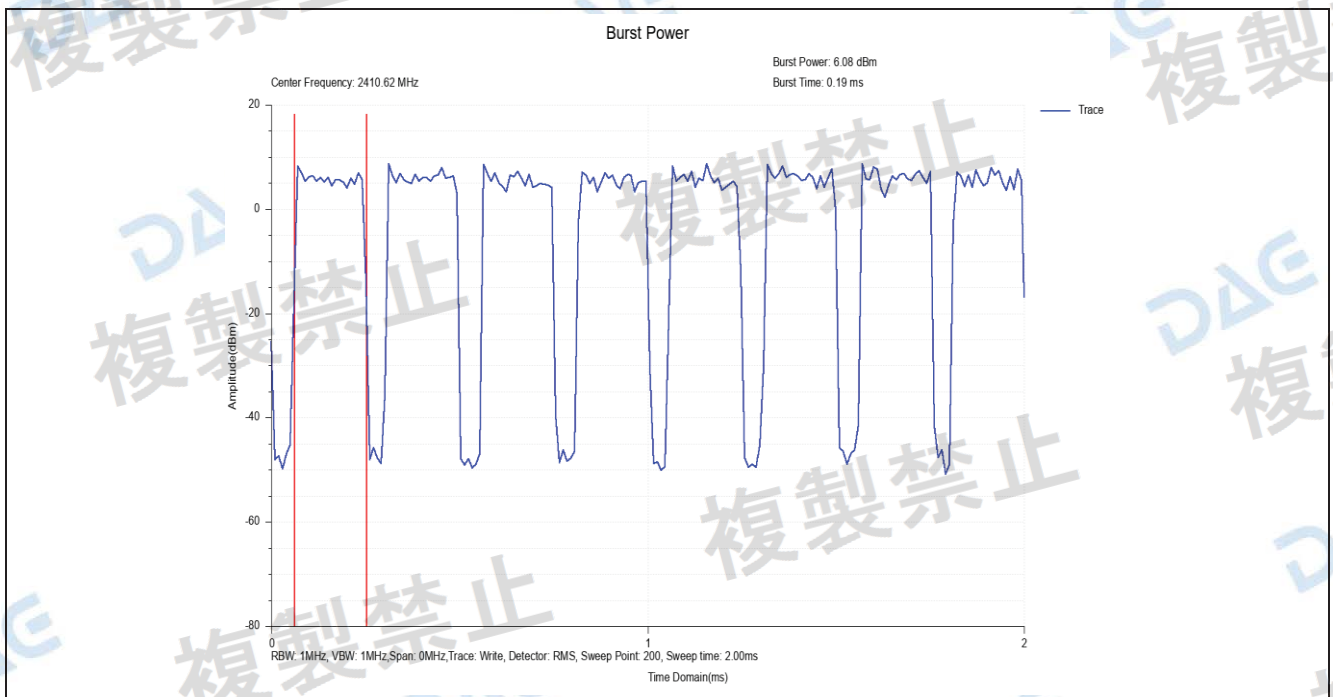
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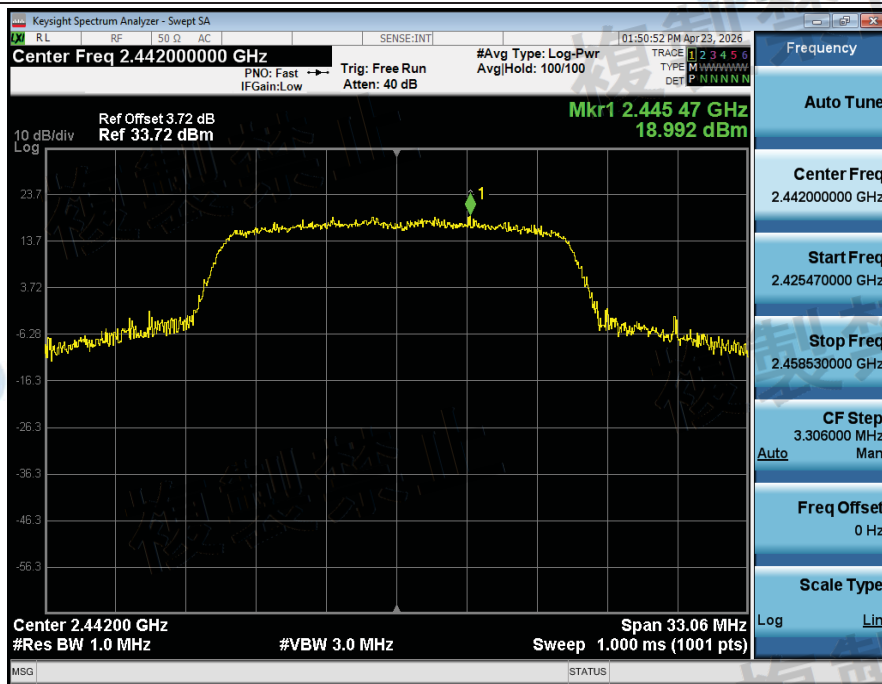
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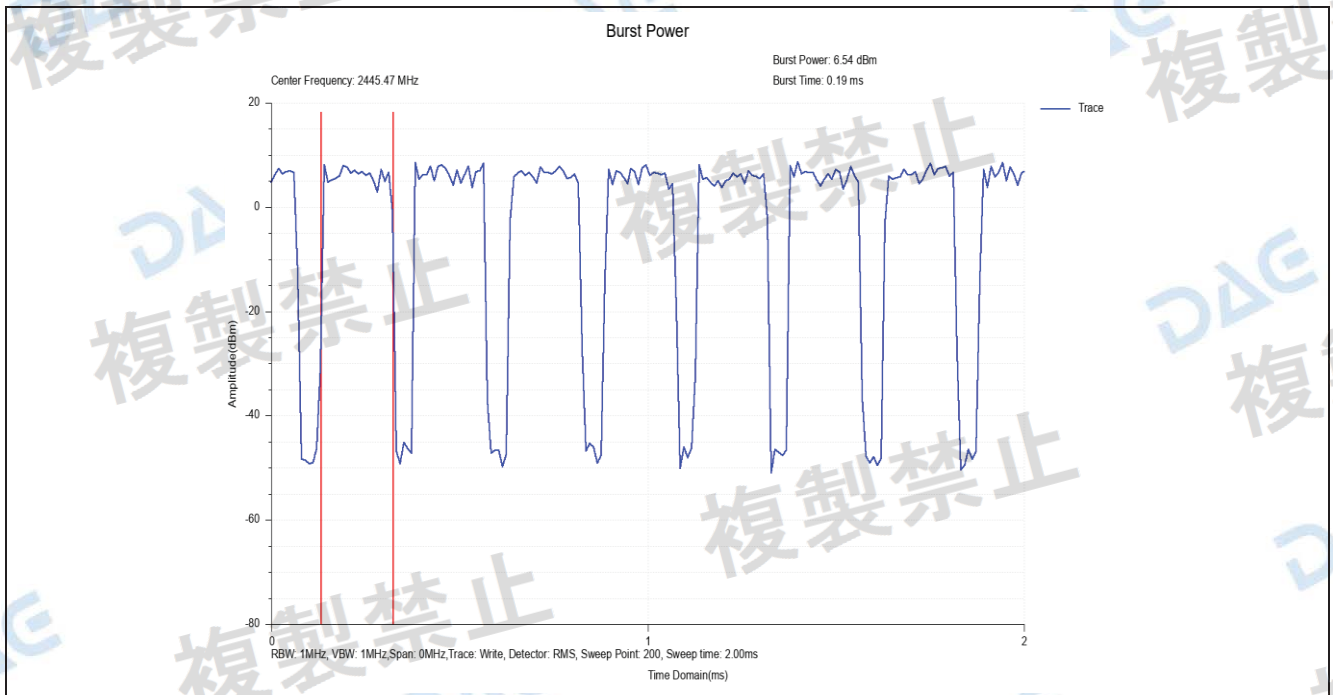
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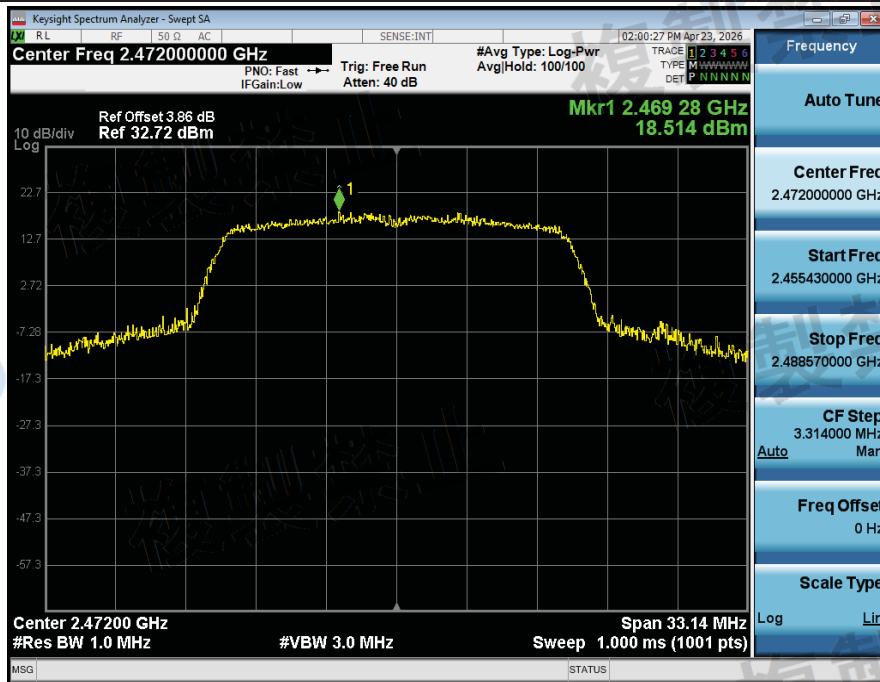
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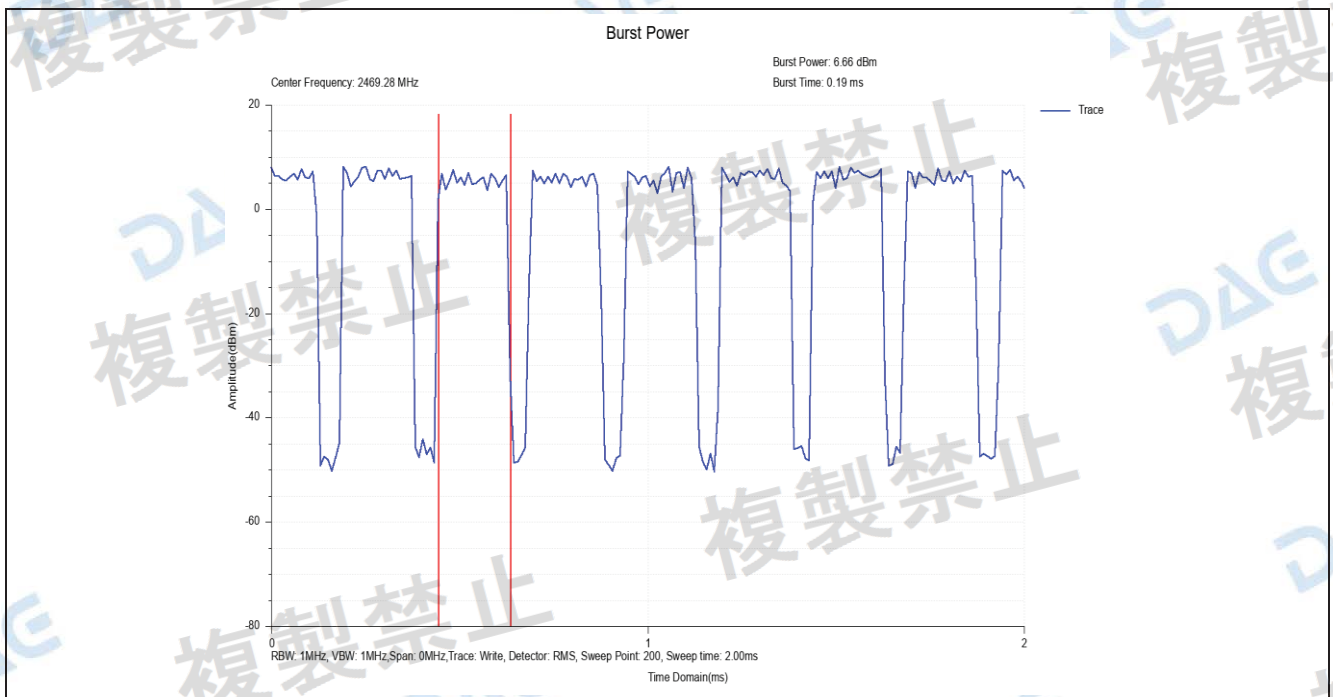
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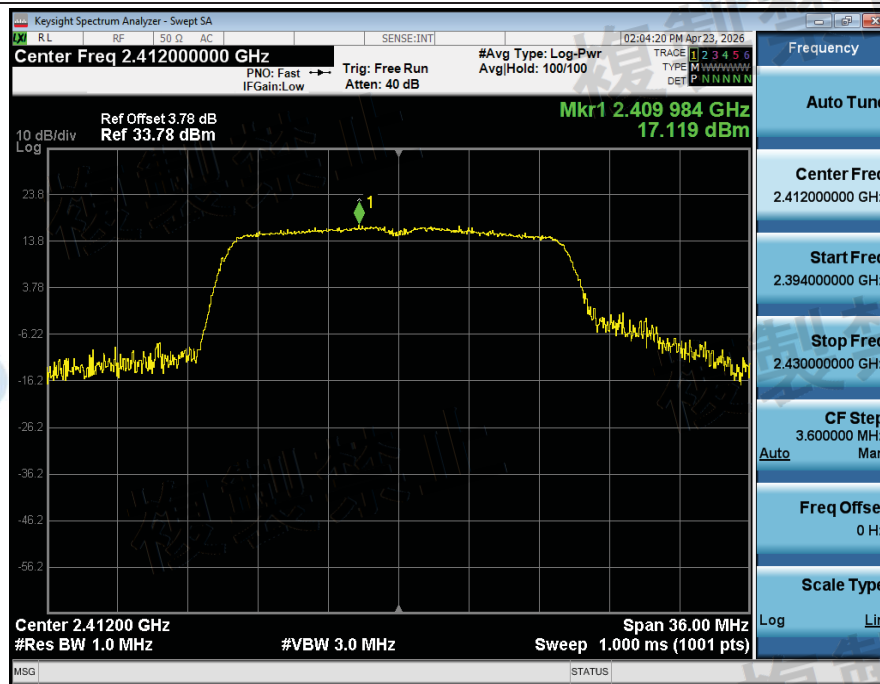
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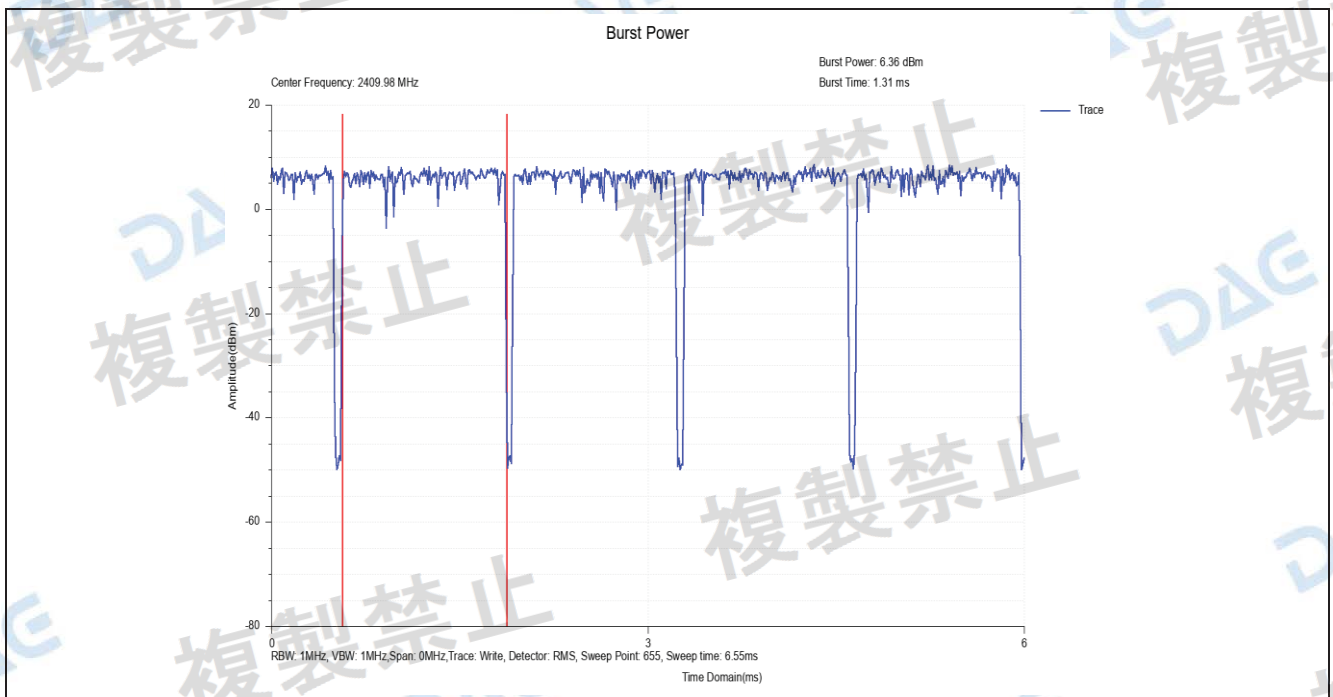
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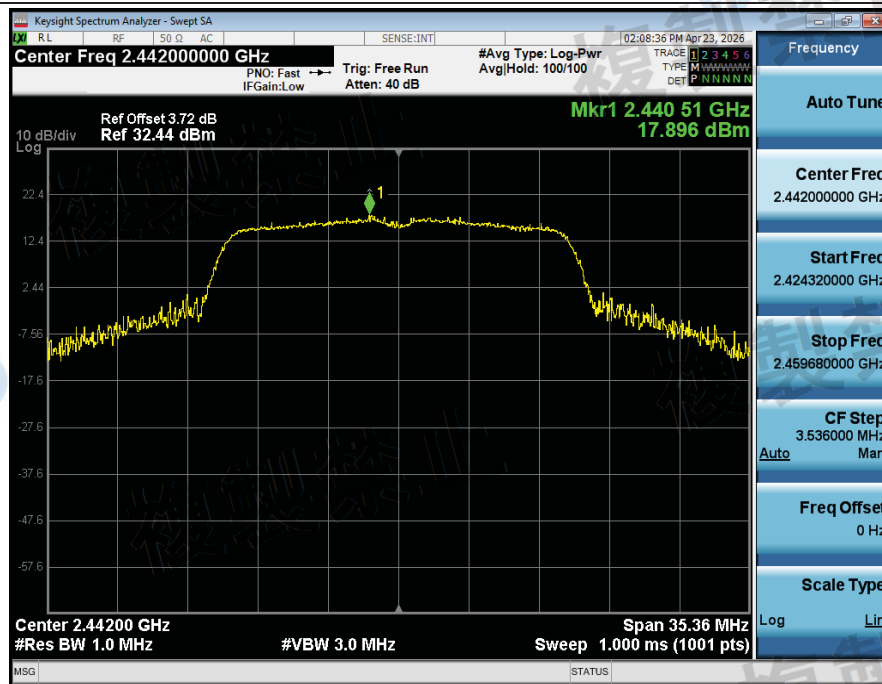
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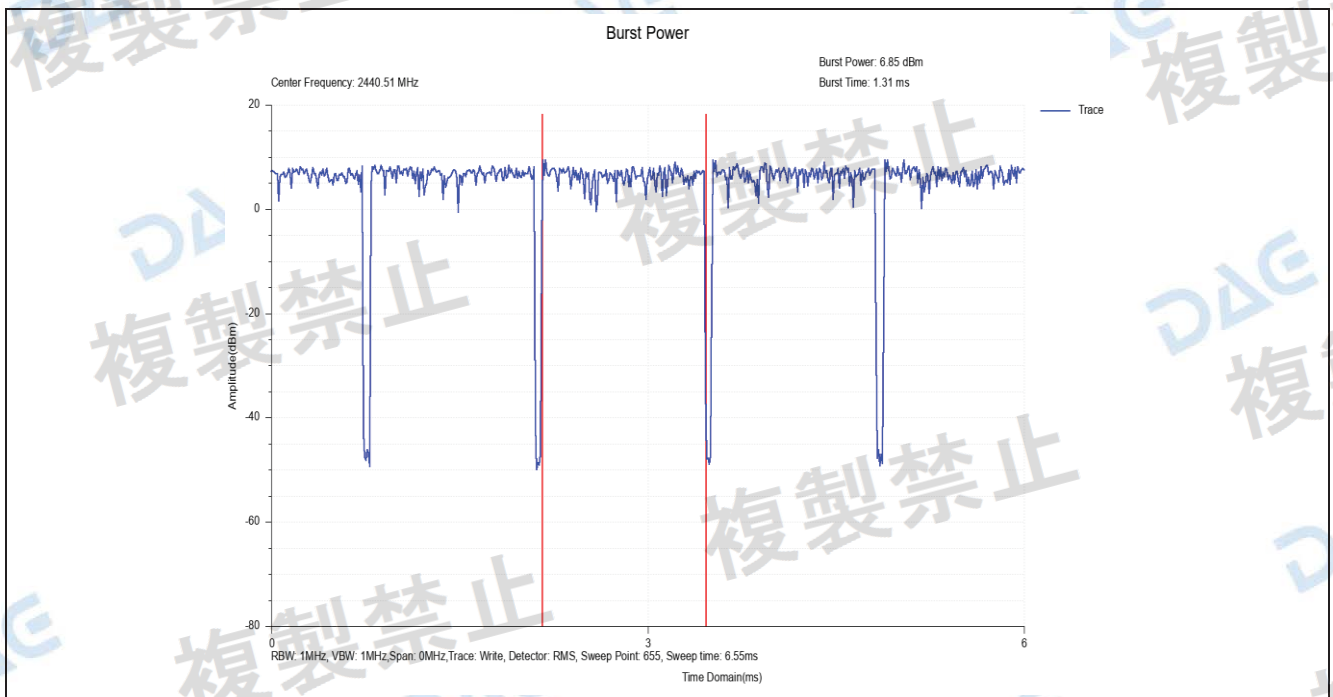
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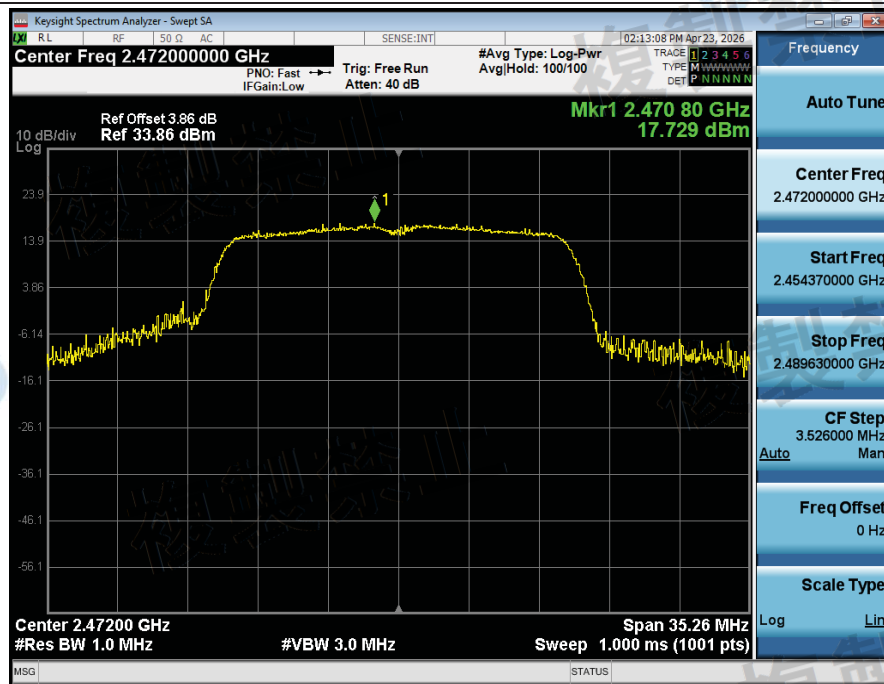
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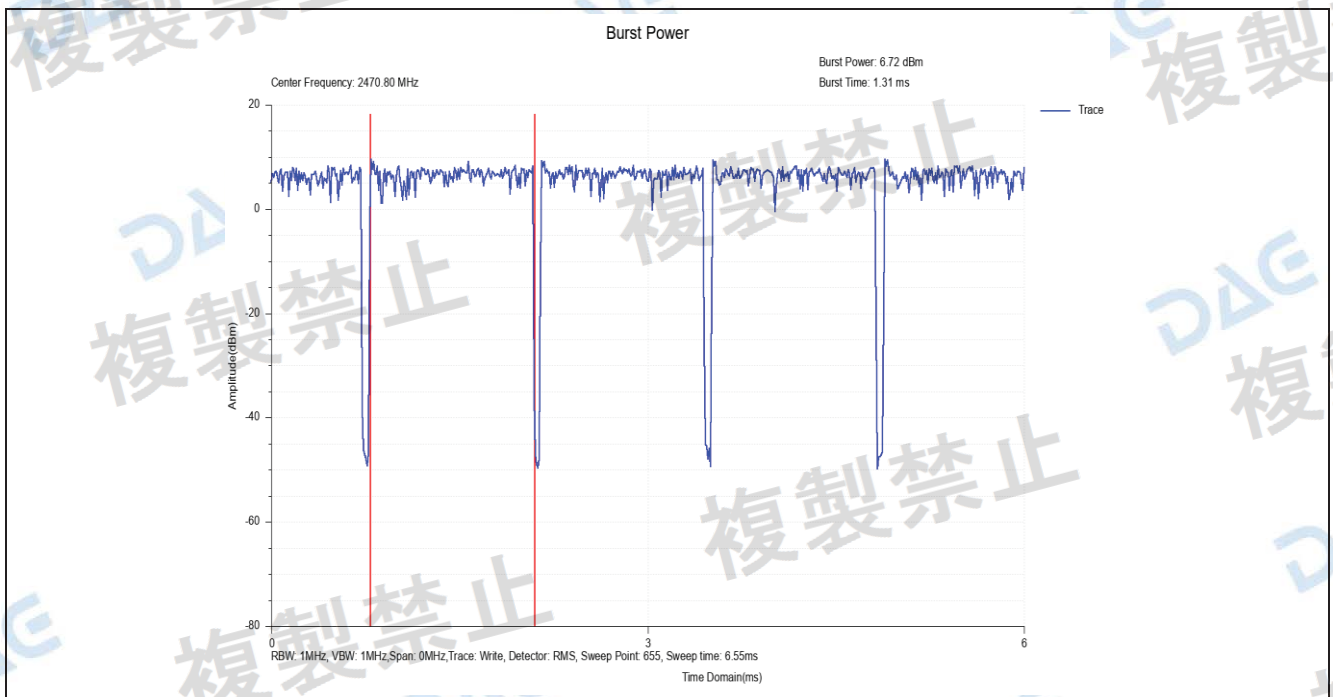
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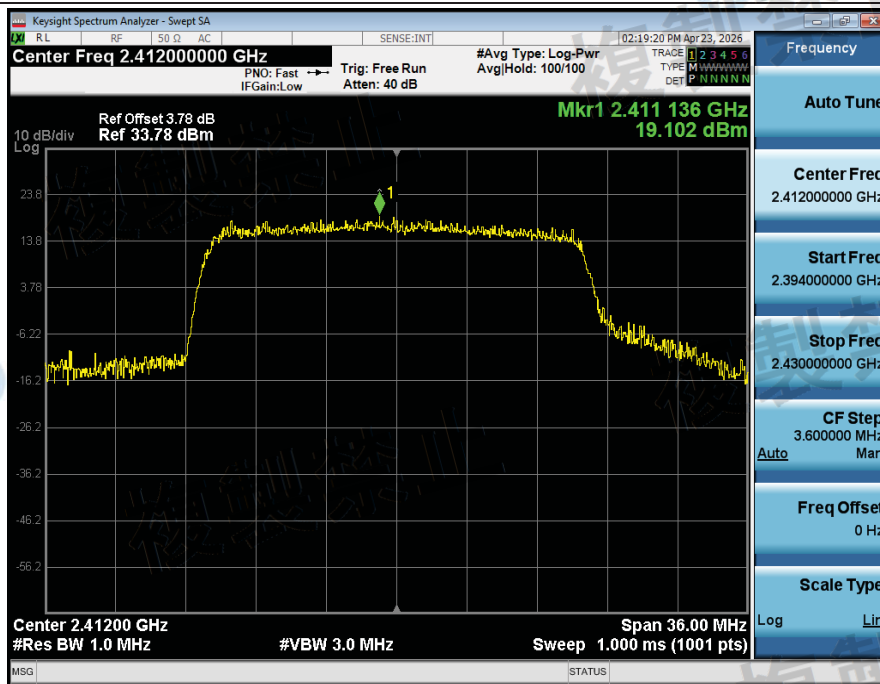
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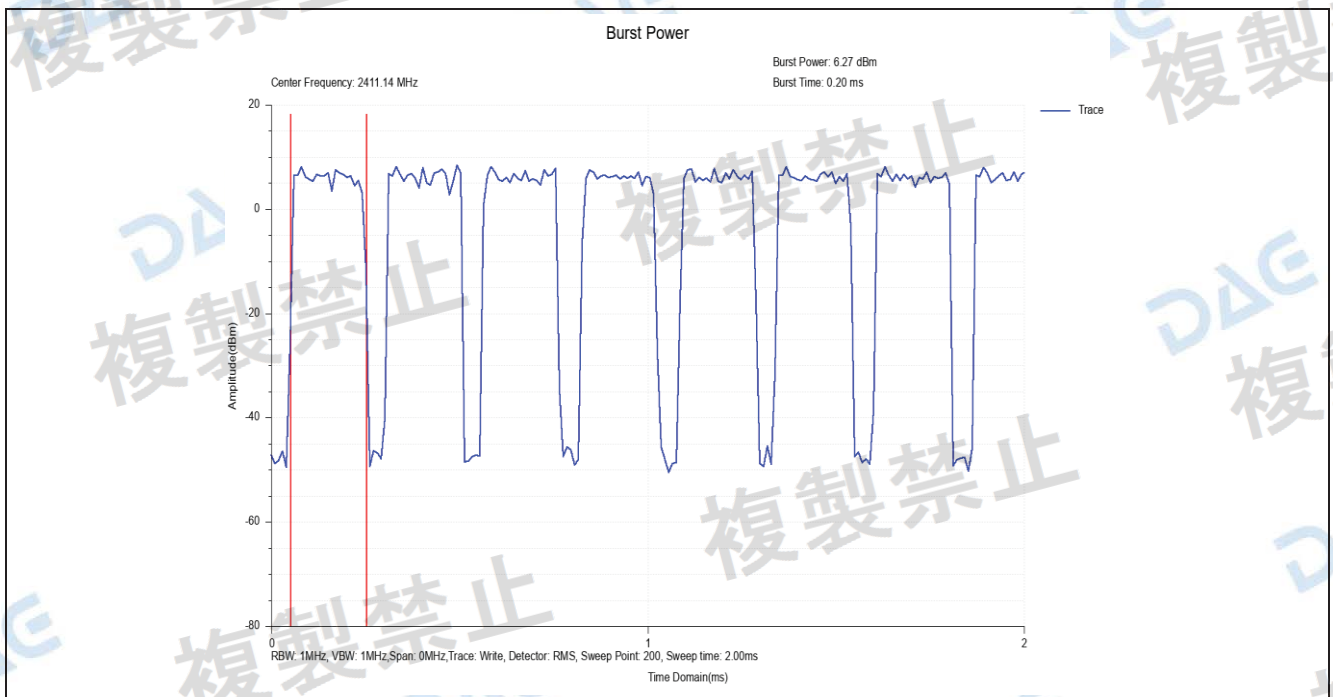
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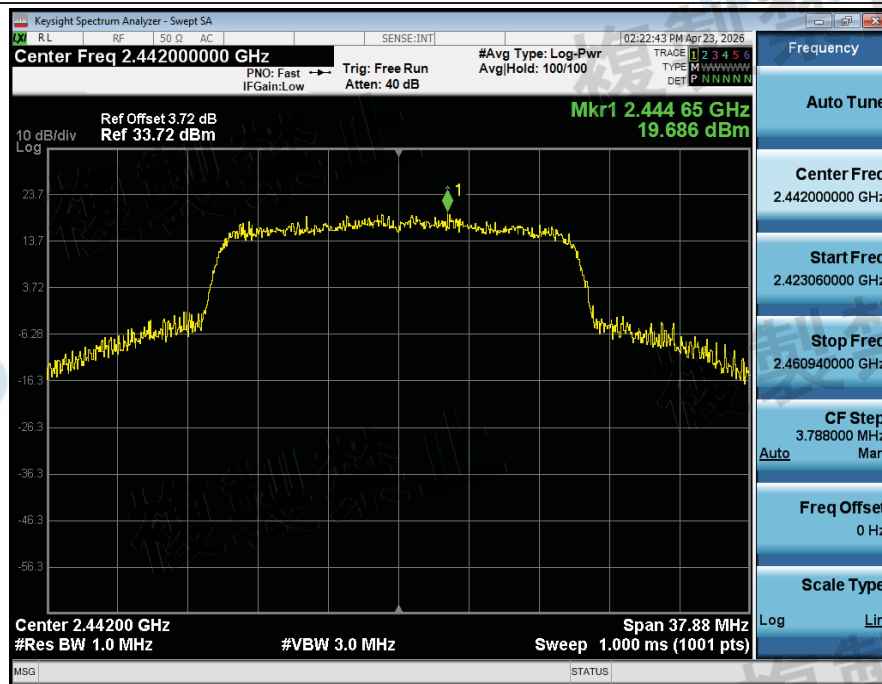
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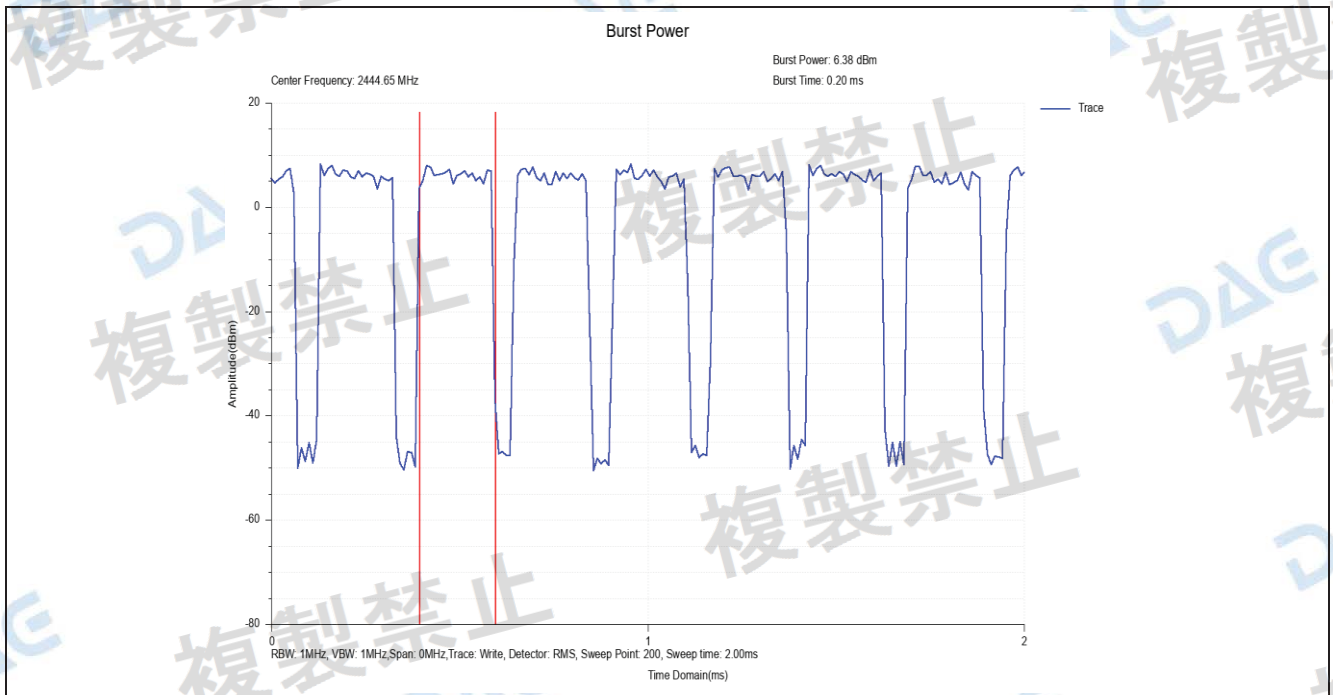
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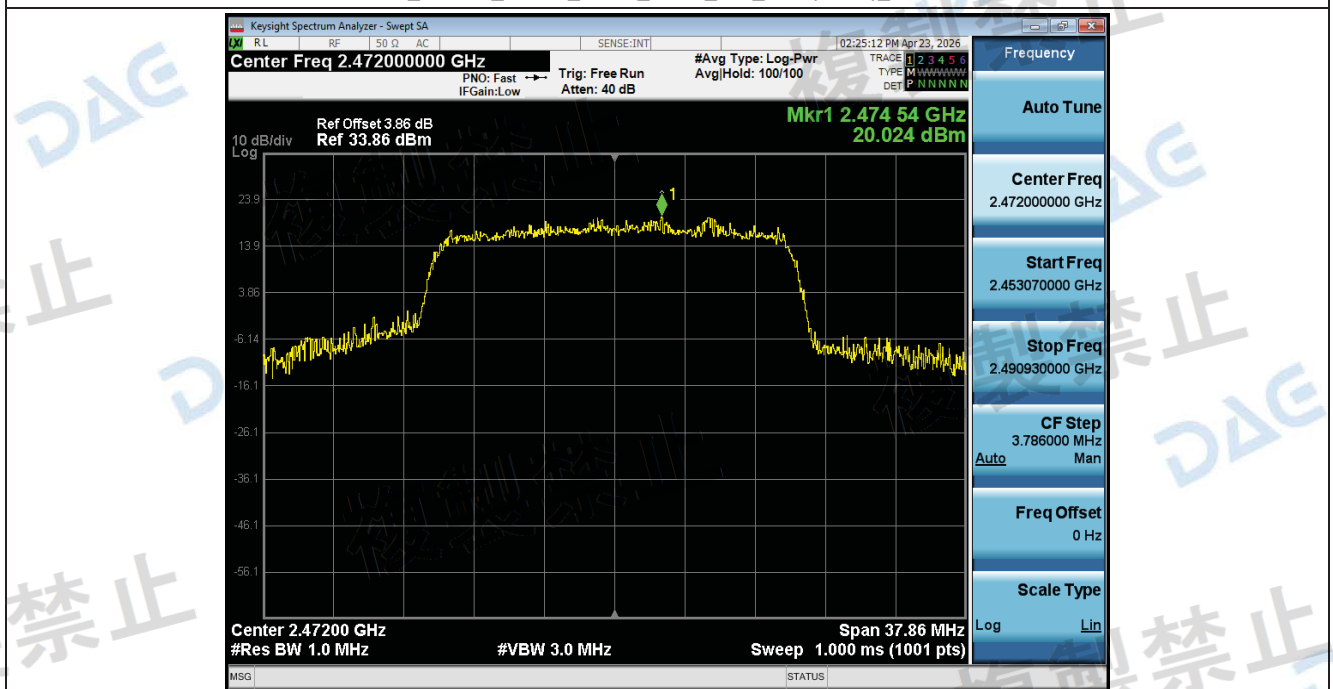
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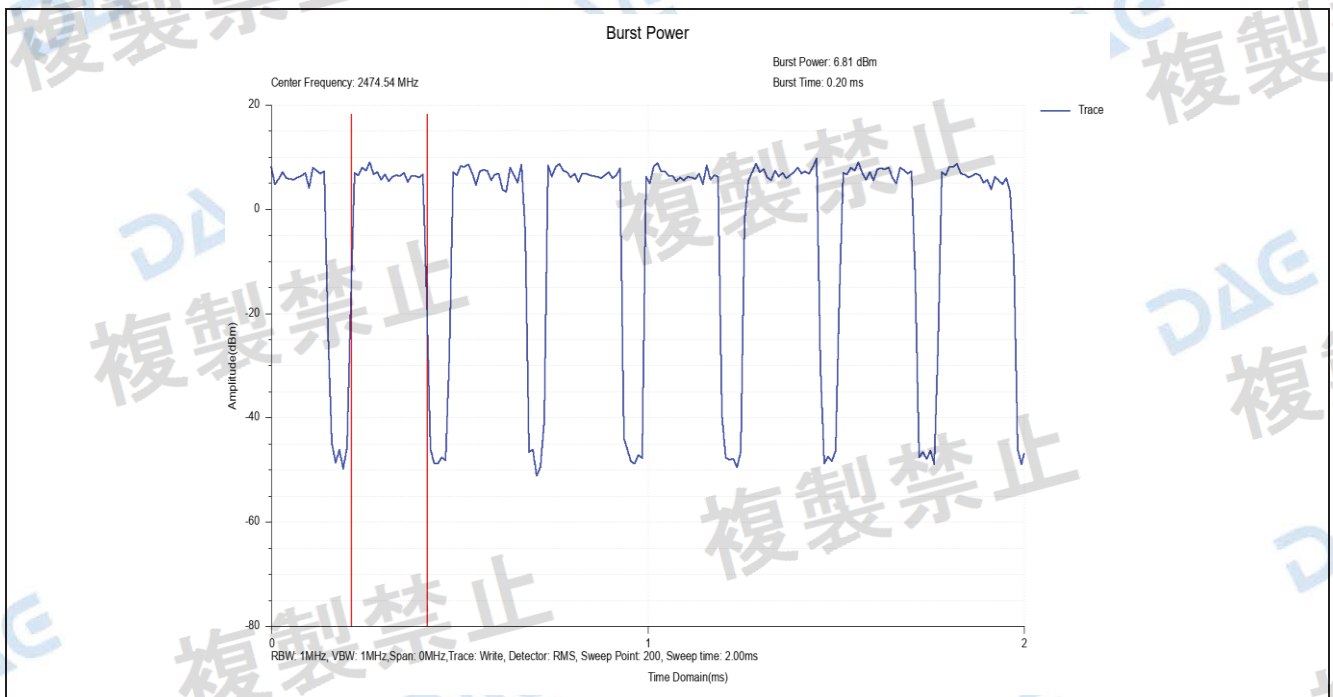
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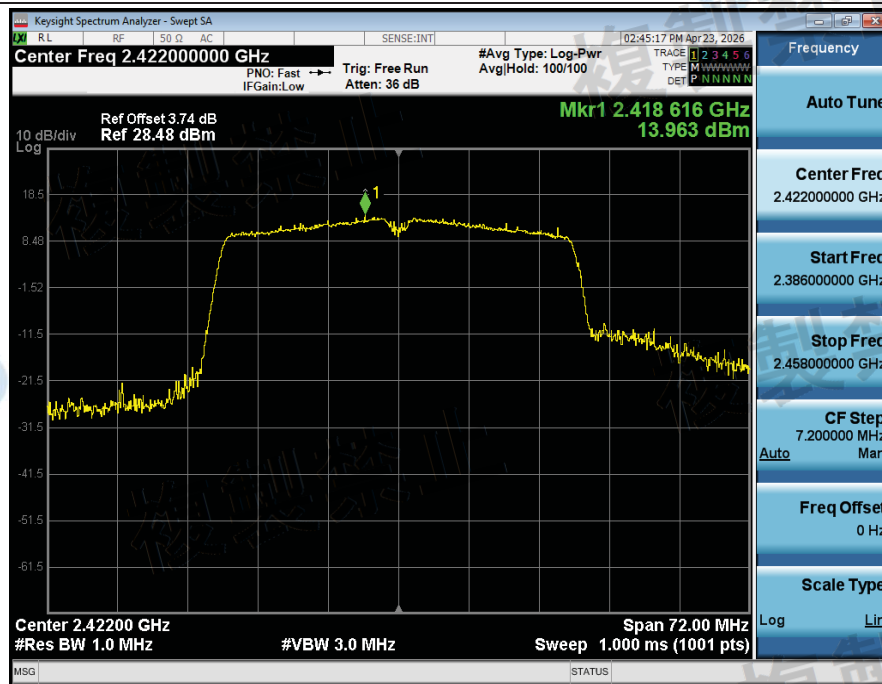
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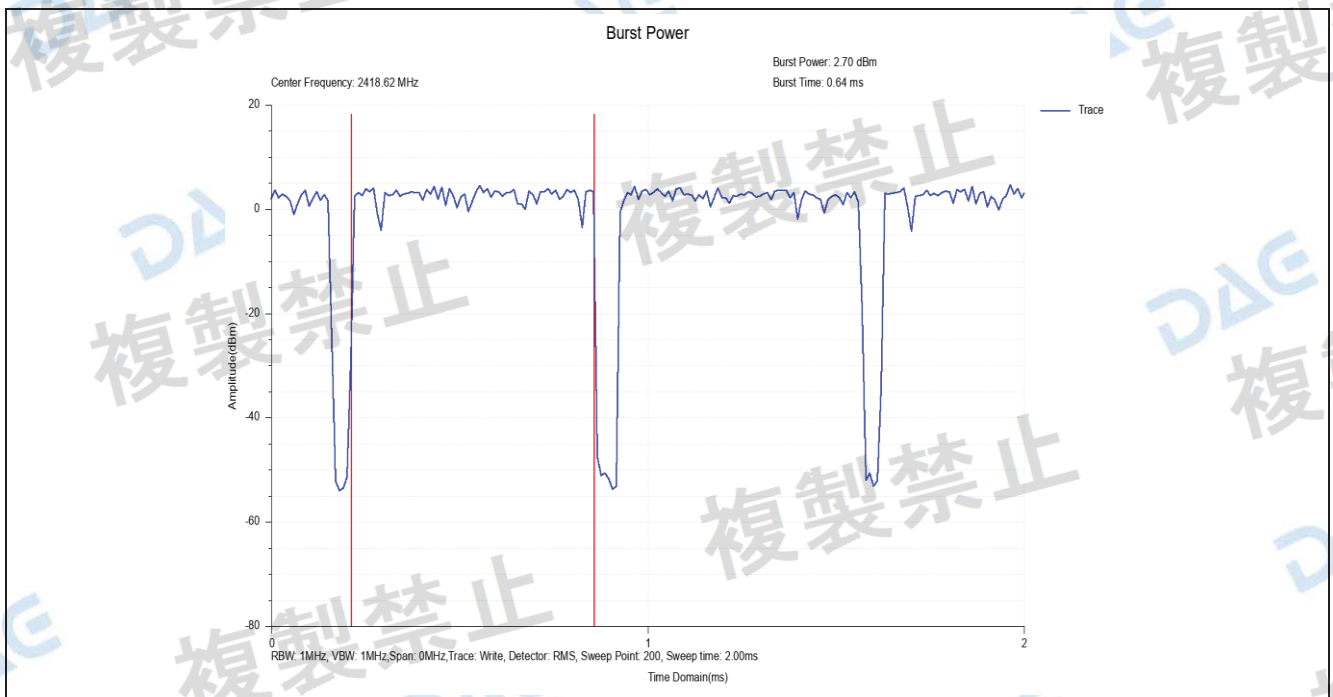
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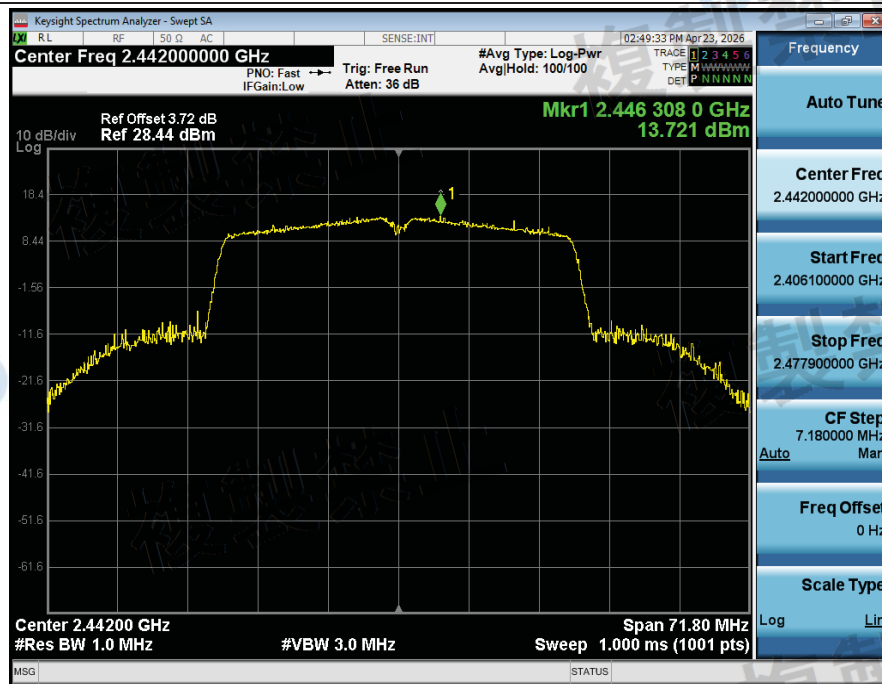
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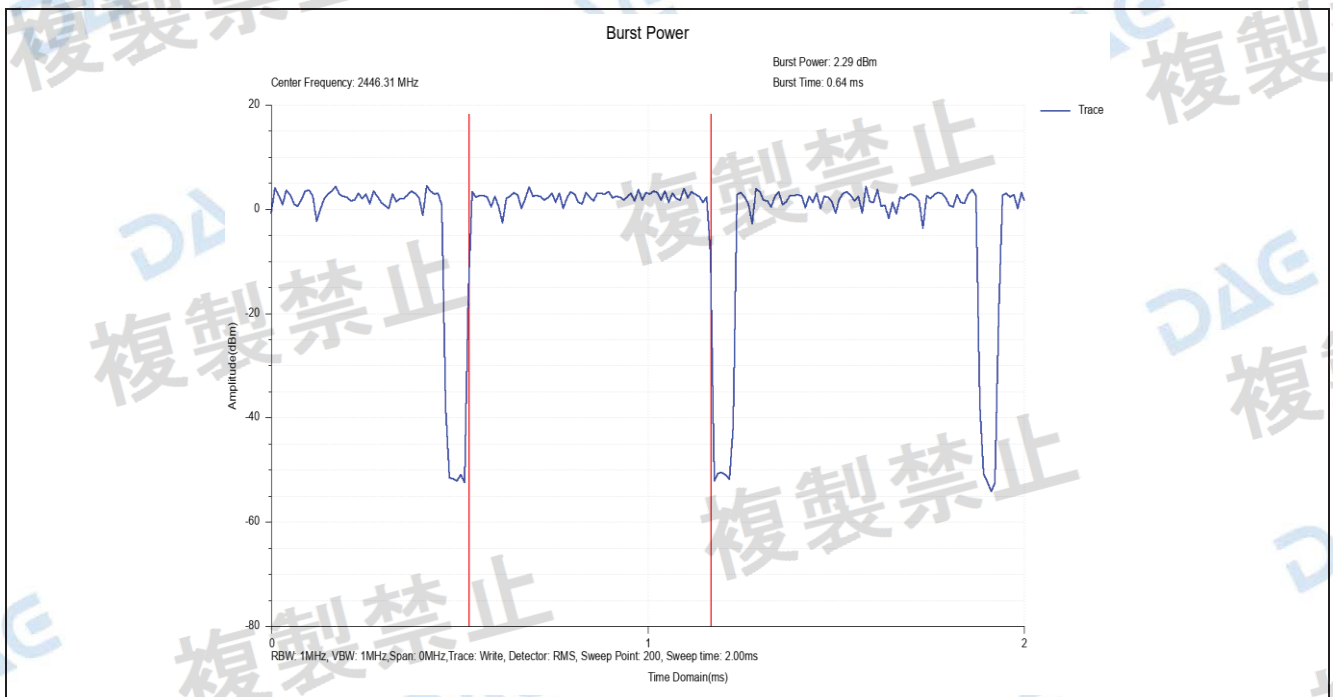
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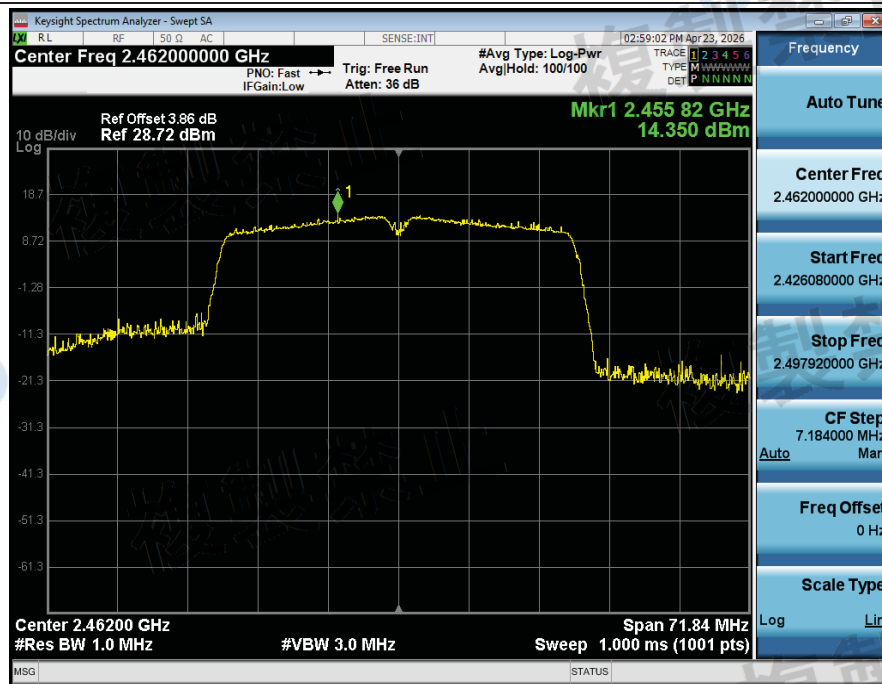
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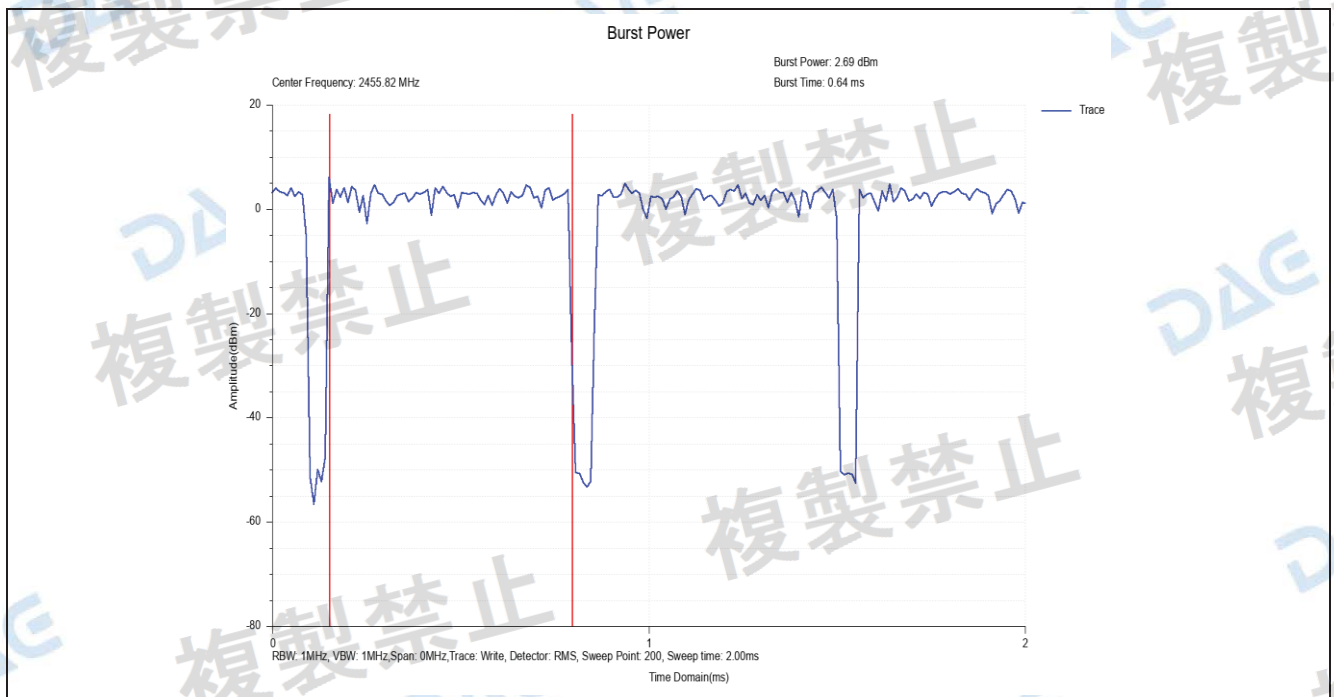
2_Antena_Power_NVNT_ANT1_802_11n(HT40)_2442



1_Antena_Power_NVNT_ANT1_802_11n(HT40)_2462



2_Antena_Power_NVNT_ANT1_802_11n(HT40)_2462



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	6.24	0.68	6.92	12.14	Not Application
NVNT	ANT1	802.11b	2442.00	6.10	0.68	6.78	12.14	Not Application
NVNT	ANT1	802.11b	2472.00	6.22	0.68	6.9	12.14	Not Application
NVNT	ANT1	802.11g	2412.00	6.08	0.68	6.76	12.14	Not Application
NVNT	ANT1	802.11g	2442.00	6.54	0.68	7.22	12.14	Not Application
NVNT	ANT1	802.11g	2472.00	6.66	0.68	7.34	12.14	Not Application
NVNT	ANT1	802.11n(HT20)	2412.00	6.36	0.68	7.04	12.14	Not Application
NVNT	ANT1	802.11n(HT20)	2442.00	6.85	0.68	7.53	12.14	Not Application
NVNT	ANT1	802.11n(HT20)	2472.00	6.72	0.68	7.4	12.14	Not Application
NVNT	ANT1	802.11ax(HE20)	2412.00	6.27	0.68	6.95	12.14	Not Application
NVNT	ANT1	802.11ax(HE20)	2442.00	6.38	0.68	7.06	12.14	Not Application
NVNT	ANT1	802.11ax(HE20)	2472.00	6.81	0.68	7.49	12.14	Not Application
NVNT	ANT1	802.11n(HT40)	2422.00	2.70	0.68	3.38	9.13	Not Application
NVNT	ANT1	802.11n(HT40)	2442.00	2.29	0.68	2.97	9.13	Not Application
NVNT	ANT1	802.11n(HT40)	2462.00	2.69	0.68	3.37	9.13	Not Application

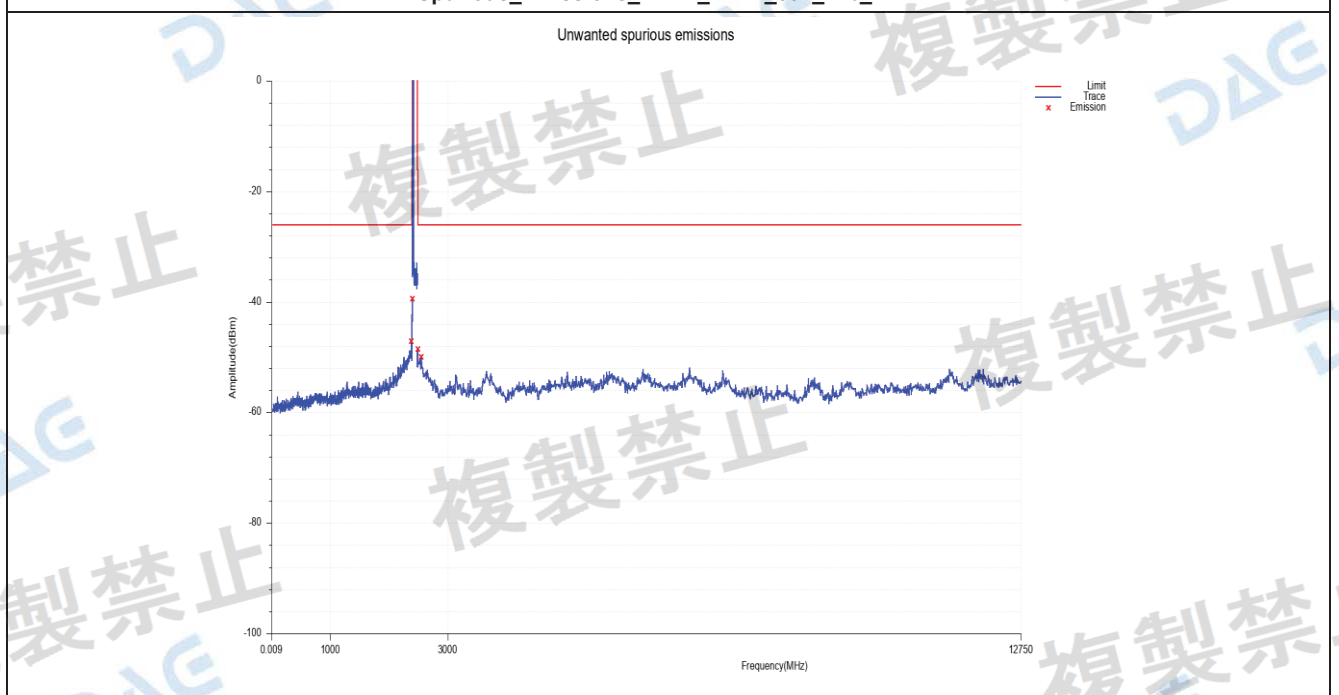
4. Spurious Emissions

Condition	Antenna	Mode	Frequency(MHz)	Frequency Area(MHz)	RBW(kHz)	Spur. Fre.(MHz)	Spur. Level(dBm/MHz)	Limit(dBm/MHz)	Spur. Level	Limit	Result
NVNT	ANT1	802.11b	2412.00	30.00~2387.00	1000	2382.29	-47.05	-26	0.0197μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11b	2412.00	2387.00~2400.00	1000	2399.80	-39.46	-16	0.1132μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11b	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11b	2412.00	2483.50~2496.50	1000	2495.04	-48.49	-16	0.0141μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11b	2412.00	2496.50~13000.00	1000	2549.02	-49.89	-26	0.0102μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11b	2442.00	30.00~2387.00	1000	2387.00	-49.06	-26	0.0124μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11b	2442.00	2387.00~2400.00	1000	2391.46	-47.38	-16	0.0182μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11b	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11b	2442.00	2483.50~2496.50	1000	2486.63	-47.25	-16	0.0188μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11b	2442.00	2496.50~13000.00	1000	2496.50	-48.76	-26	0.0133μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11b	2472.00	30.00~2387.00	1000	2387.00	-49.68	-26	0.0107μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11b	2472.00	2387.00~2400.00	1000	2388.91	-48.46	-16	0.0142μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11b	2472.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11b	2472.00	2483.50~2496.50	1000	2483.88	-39.37	-16	0.1157μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11b	2472.00	2496.50~13000.00	1000	2517.51	-46.95	-26	0.0201μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11g	2412.00	30.00~2387.00	1000	2384.64	-47.57	-26	0.0175μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11g	2412.00	2387.00~2400.00	1000	2399.61	-42.15	-16	0.0609μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11g	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11g	2412.00	2483.50~2496.50	1000	2495.02	-46.69	-16	0.0214μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11g	2412.00	2496.50~13000.00	1000	2507.00	-49.24	-26	0.0119μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11g	2442.00	30.00~2387.00	1000	2387.00	-34.31	-26	0.3707μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11g	2442.00	2387.00~2400.00	1000	2399.77	-26.48	-16	2.2477μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11g	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11g	2442.00	2483.50~2496.50	1000	2484.99	-26.01	-16	2.5054μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11g	2442.00	2496.50~13000.00	1000	2496.50	-32.47	-26	0.5659μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11g	2472.00	30.00~2387.00	1000	2361.07	-48.91	-26	0.0128μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11g	2472.00	2387.00~2400.00	1000	2393.51	-47.46	-16	0.0179μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11g	2472.00	2400.00~2483.50	/	/	/	/	/	/	/

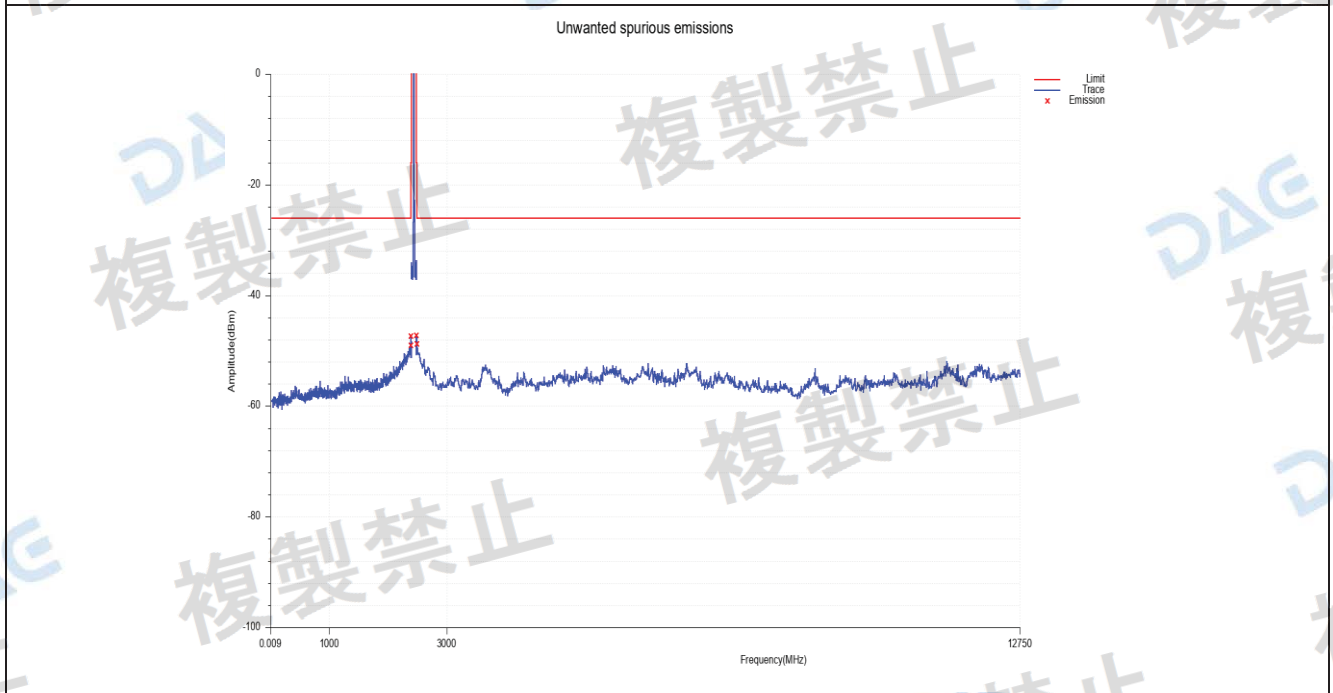
NVNT	ANT1	802.11g	2472.00	2483.50~2496.50	1000	2486.41	-31.42	-16	0.7208μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11g	2472.00	2496.50~1300.00	1000	2496.50	-46.49	-26	0.0224μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	30.00~2387.00	1000	2387.00	-43.82	-26	0.0414μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2387.00~2400.00	1000	2399.87	-31.47	-16	0.7130μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11n(HT20)	2412.00	2483.50~2496.50	1000	2489.13	-46.17	-16	0.0241μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2496.50~1300.00	1000	2496.50	-47.89	-26	0.0162μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	30.00~2387.00	1000	2379.93	-45.65	-26	0.0272μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	2387.00~2400.00	1000	2393.71	-44.78	-16	0.0332μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11n(HT20)	2442.00	2483.50~2496.50	1000	2486.18	-44.56	-16	0.0349μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2442.00	2496.50~1300.00	1000	2496.50	-48.01	-26	0.0158μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	30.00~2387.00	1000	1757.68	-39.57	-26	0.1103μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	2387.00~2400.00	1000	2389.01	-45.51	-16	0.0281μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11n(HT20)	2472.00	2483.50~2496.50	1000	2483.67	-20.52	-16	8.8700μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT20)	2472.00	2496.50~1300.00	1000	2496.50	-35.21	-26	0.3013μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2412.00	30.00~2387.00	1000	2384.64	-45.10	-26	0.0308μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2412.00	2387.00~2400.00	1000	2399.96	-31.59	-16	0.6934μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2412.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11ax(H E20)	2412.00	2483.50~2496.50	1000	2489.06	-46.48	-16	0.0225μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2412.00	2496.50~1300.00	1000	2496.50	-48.94	-26	0.0127μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2442.00	30.00~2387.00	1000	2361.07	-46.99	-26	0.0199μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2442.00	2387.00~2400.00	1000	2399.18	-45.14	-16	0.0305μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11ax(H E20)	2442.00	2483.50~2496.50	1000	2485.11	-44.99	-16	0.0316μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2442.00	2496.50~1300.00	1000	2496.50	-47.65	-26	0.0171μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2472.00	30.00~2387.00	1000	2342.22	-47.54	-26	0.0176μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2472.00	2387.00~2400.00	1000	2399.55	-46.34	-16	0.0232μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2472.00	2400.00~2483.50	/	/	/	/	/	/	/

NVNT	ANT1	802.11ax(H E20)	2472.00	2483.50~2496.50	1000	2483.59	-31.24	-16	0.7519μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11ax(H E20)	2472.00	2496.50~1300.00	1000	2496.50	-41.95	-26	0.0638μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2422.00	30.00~2387.00	1000	2379.93	-26.62	-26	2.1769μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2422.00	2387.00~2400.00	1000	2398.78	-20.06	-16	9.8525μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2422.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11n(HT 40)	2422.00	2483.50~2496.50	1000	2485.26	-30.47	-16	0.8968μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2422.00	2496.50~1300.00	1000	2496.50	-38.56	-26	0.1394μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2442.00	30.00~2387.00	1000	2387.00	-32.43	-26	0.5720μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2442.00	2387.00~2400.00	1000	2399.91	-26.82	-16	2.0779μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2442.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11n(HT 40)	2442.00	2483.50~2496.50	1000	2484.96	-27.92	-16	1.6159μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2442.00	2496.50~1300.00	1000	2496.50	-36.14	-26	0.2431μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2462.00	30.00~2387.00	1000	2384.64	-45.05	-26	0.0312μW/MHz	2.5μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2462.00	2387.00~2400.00	1000	2398.41	-41.02	-16	0.0790μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2462.00	2400.00~2483.50	/	/	/	/	/	/	/
NVNT	ANT1	802.11n(HT 40)	2462.00	2483.50~2496.50	1000	2485.66	-30.63	-16	0.8655μW/MHz	25μW/MHz	Pass
NVNT	ANT1	802.11n(HT 40)	2462.00	2496.50~1300.00	1000	2496.50	-40.25	-26	0.0944μW/MHz	2.5μW/MHz	Pass

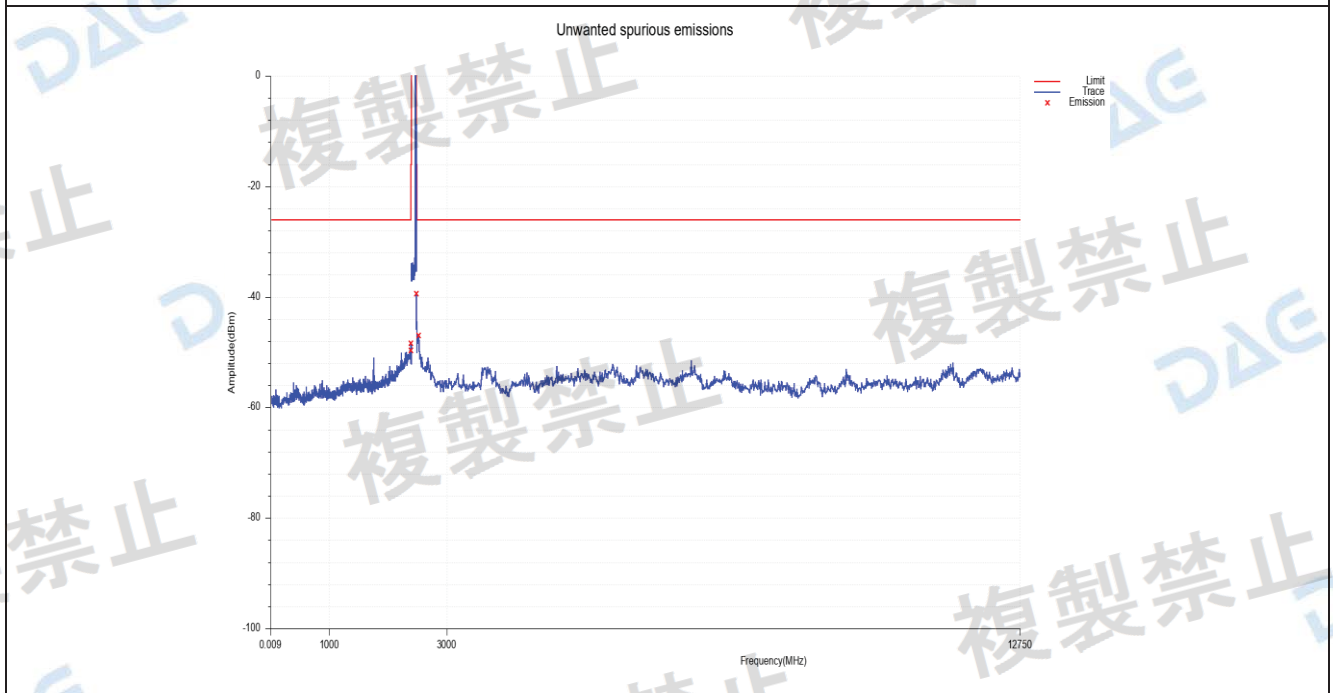
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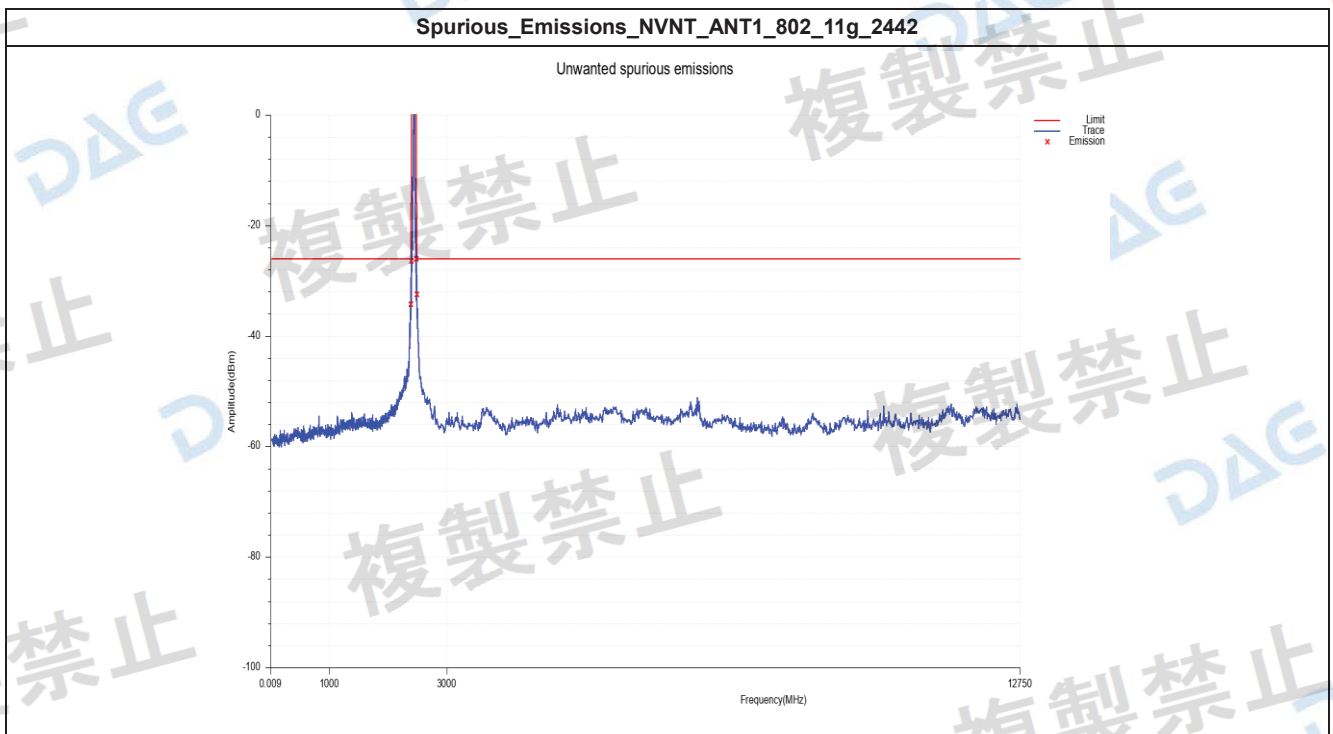
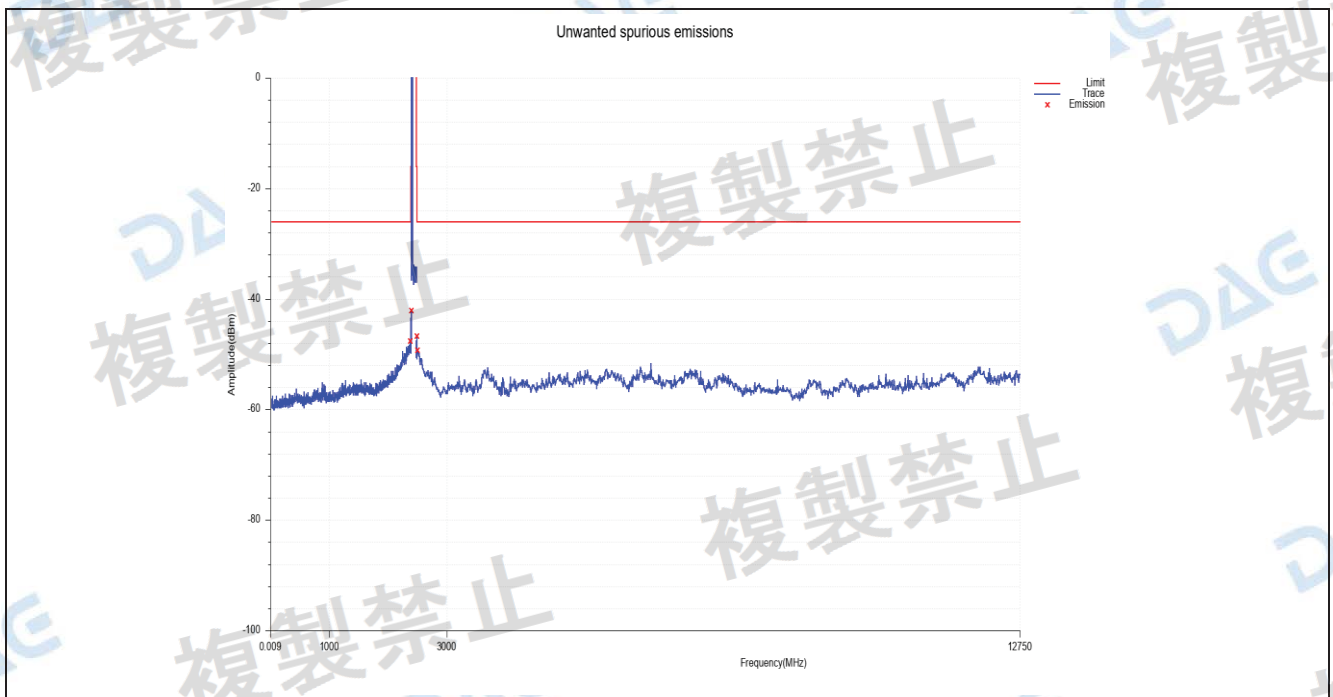
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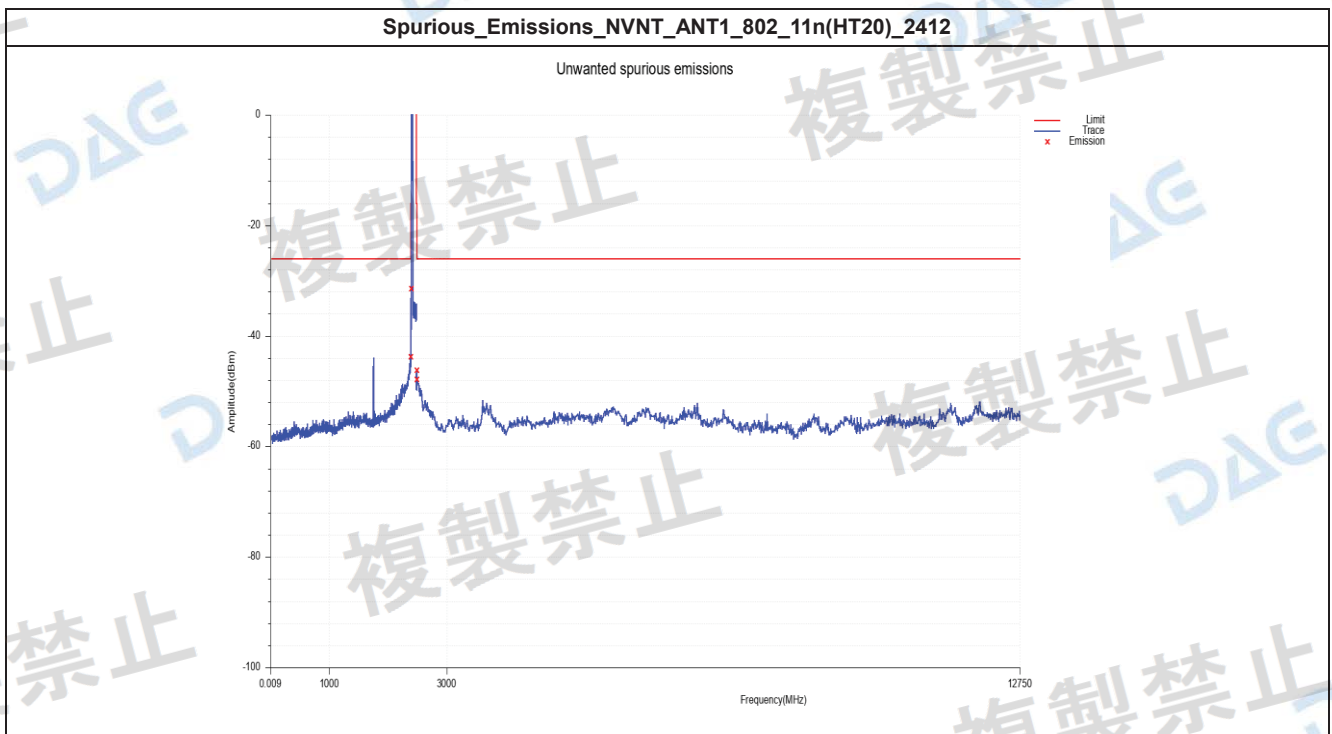
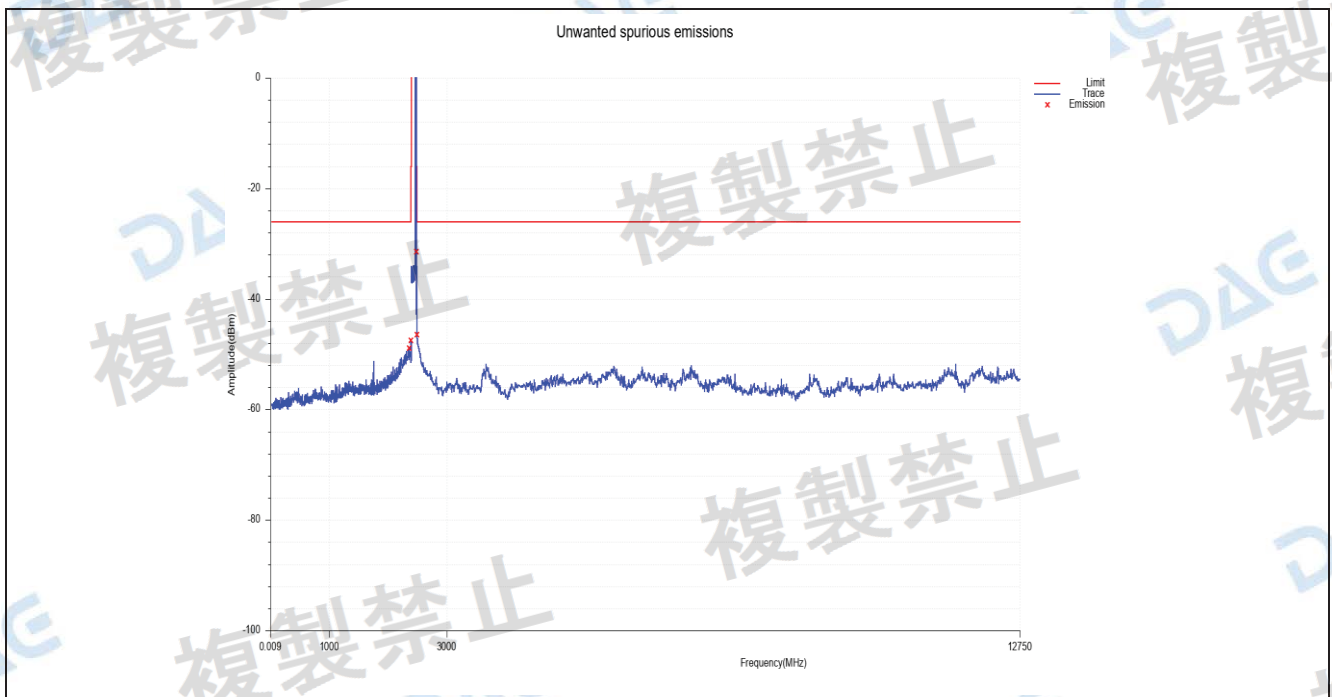


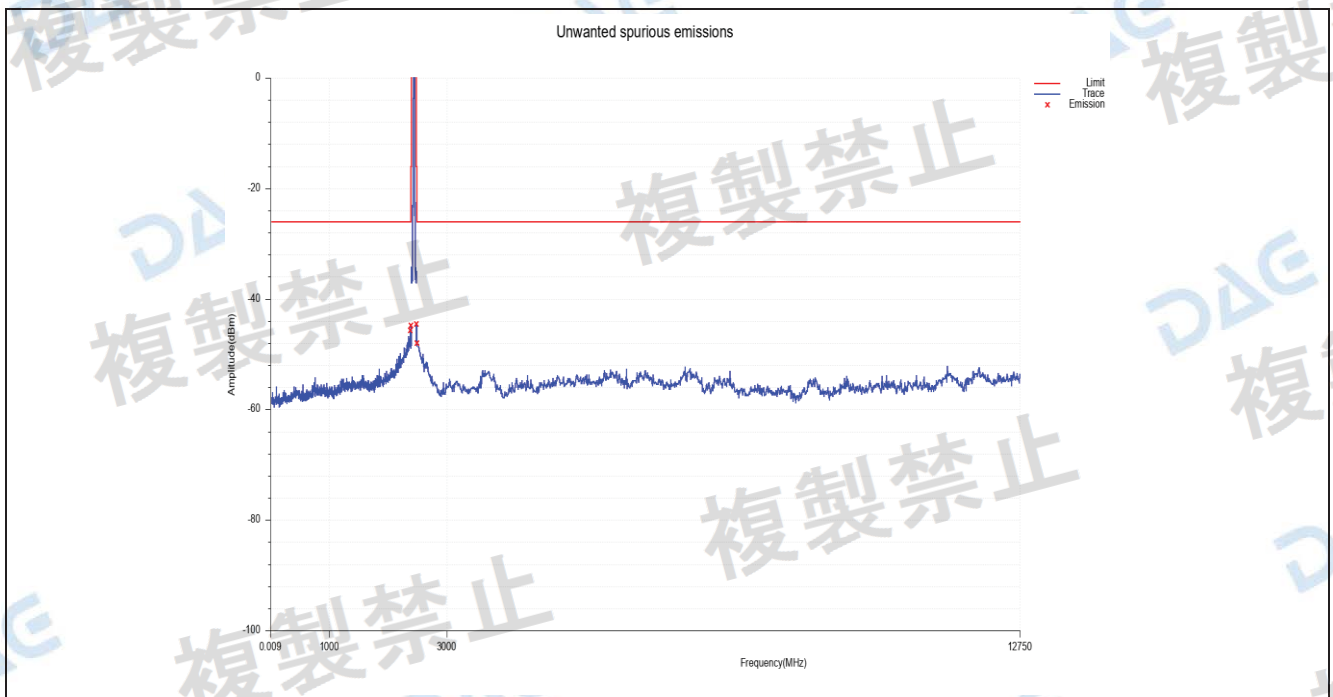
Spurious_Emissions_NVNT_ANT1_802_11b_2472



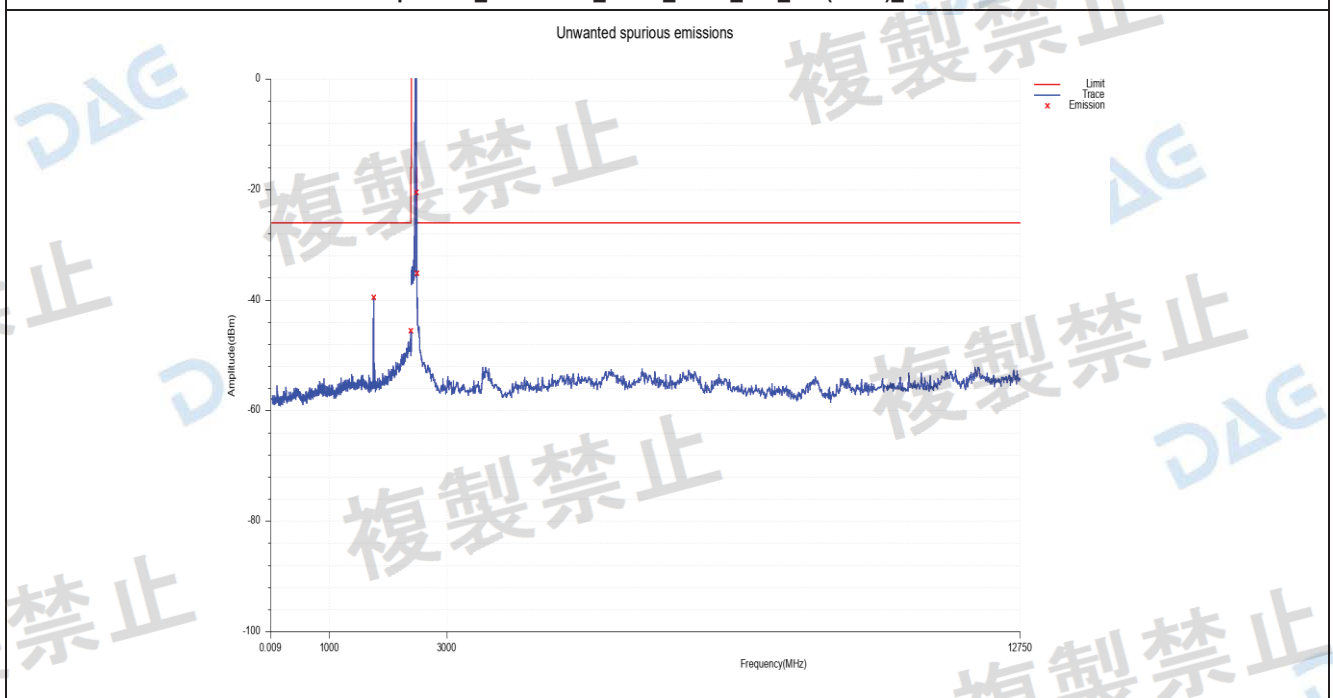
Spurious_Emissions_NVNT_ANT1_802_11g_2412



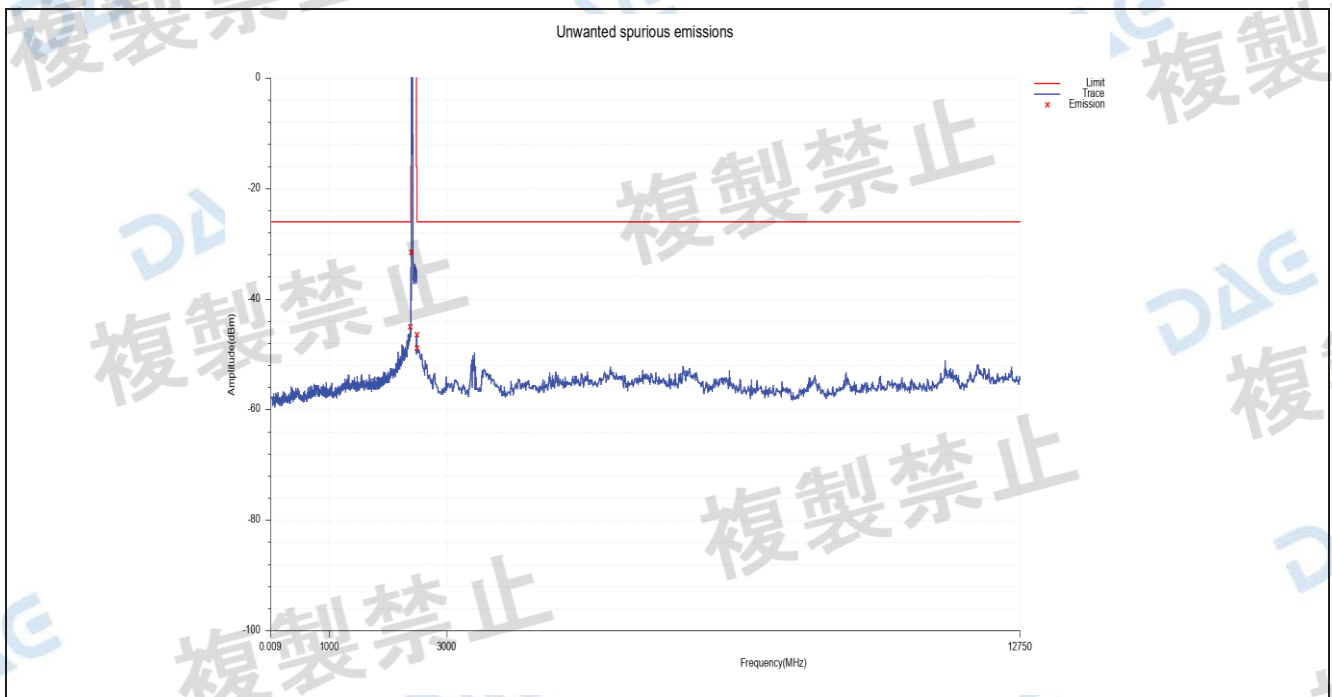




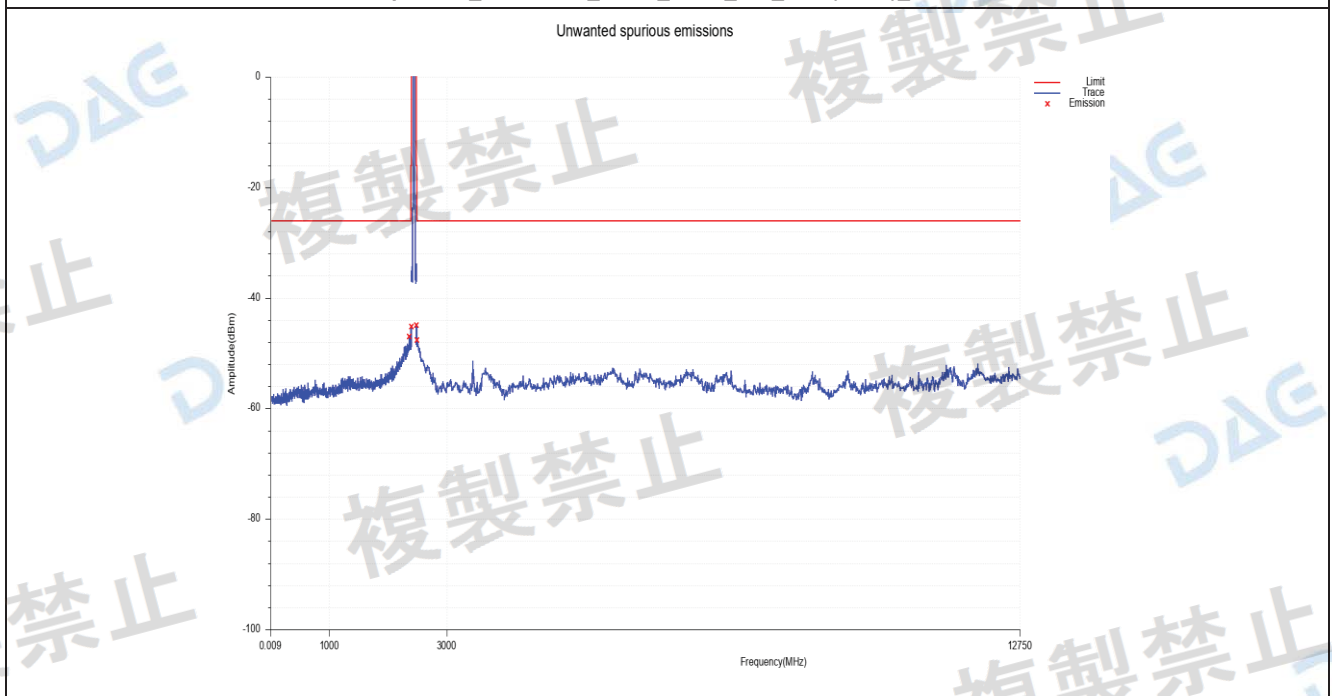
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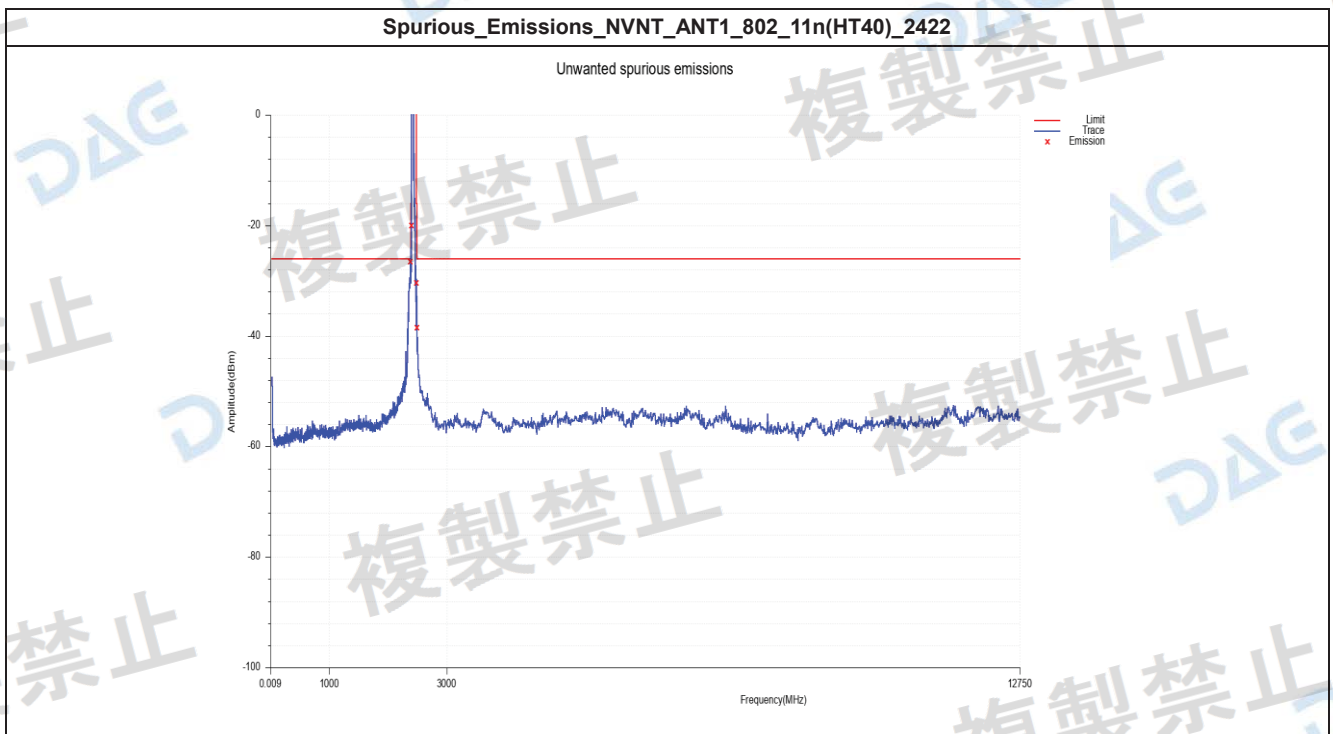
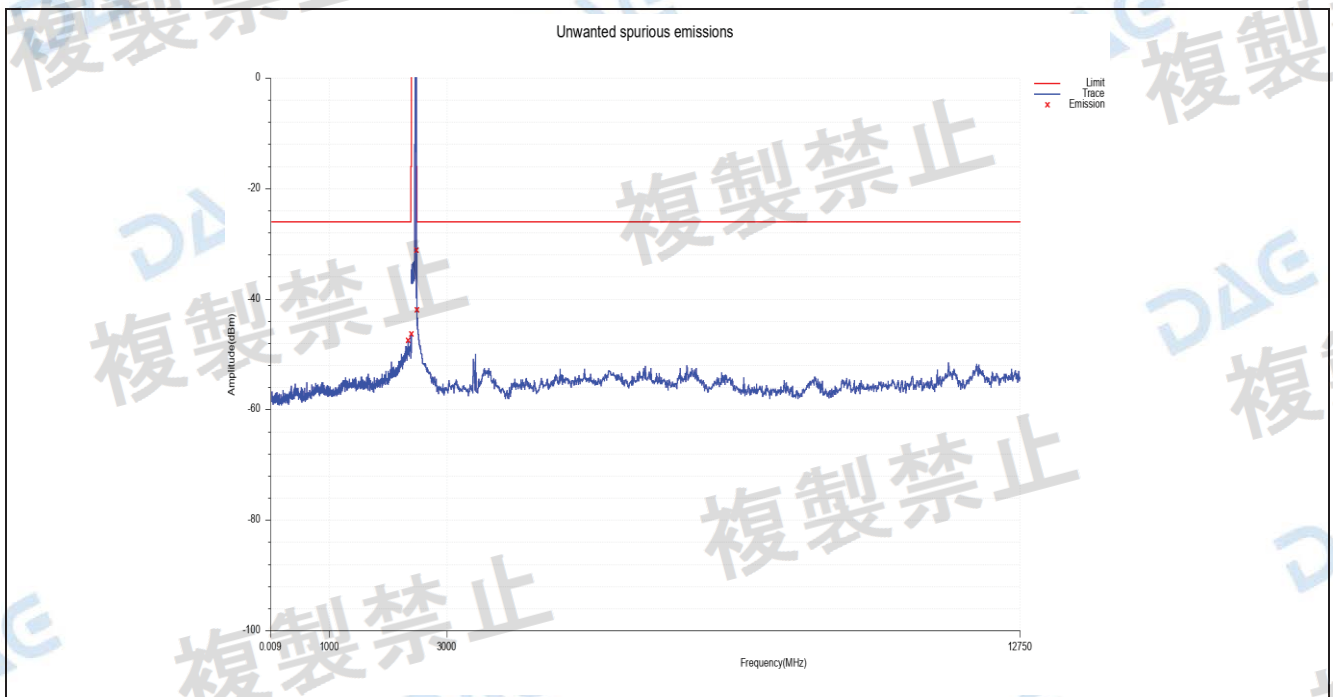
Spurious_Emissions_NVNT_ANT1_802_11ax(HE20)_2412



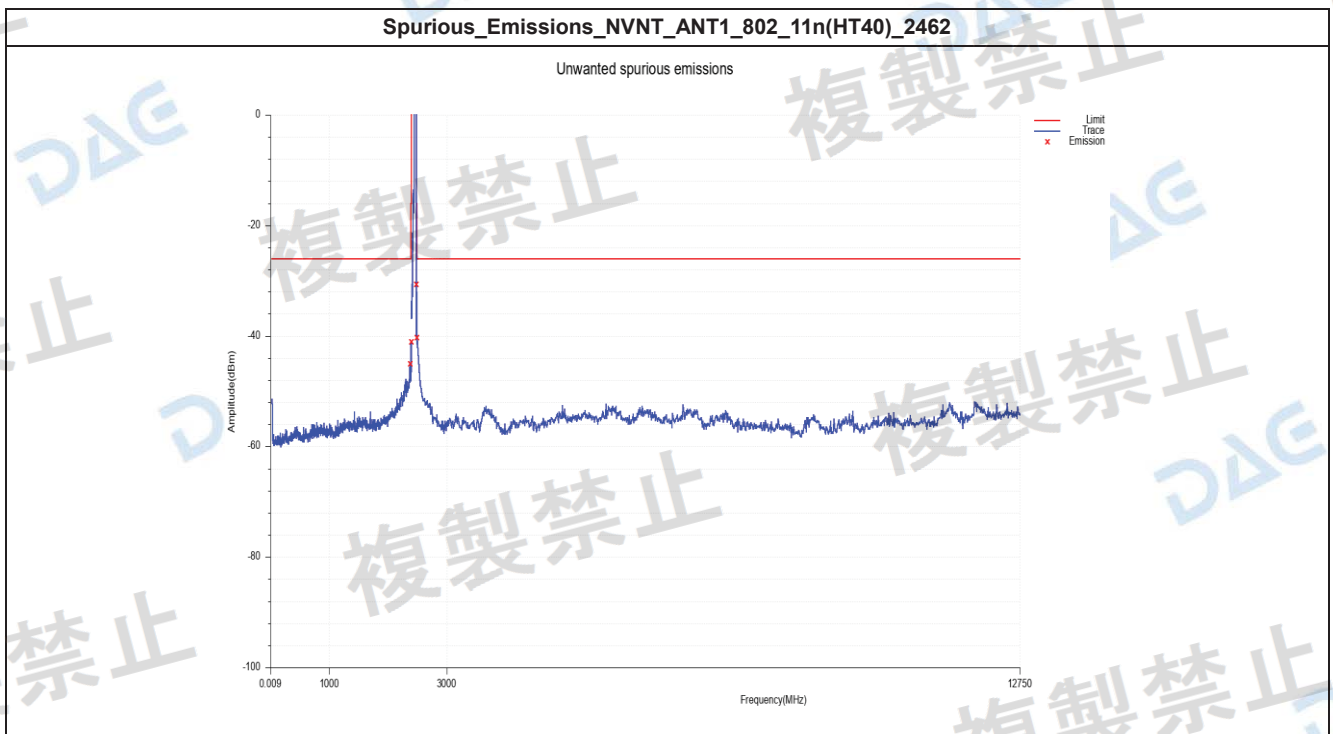
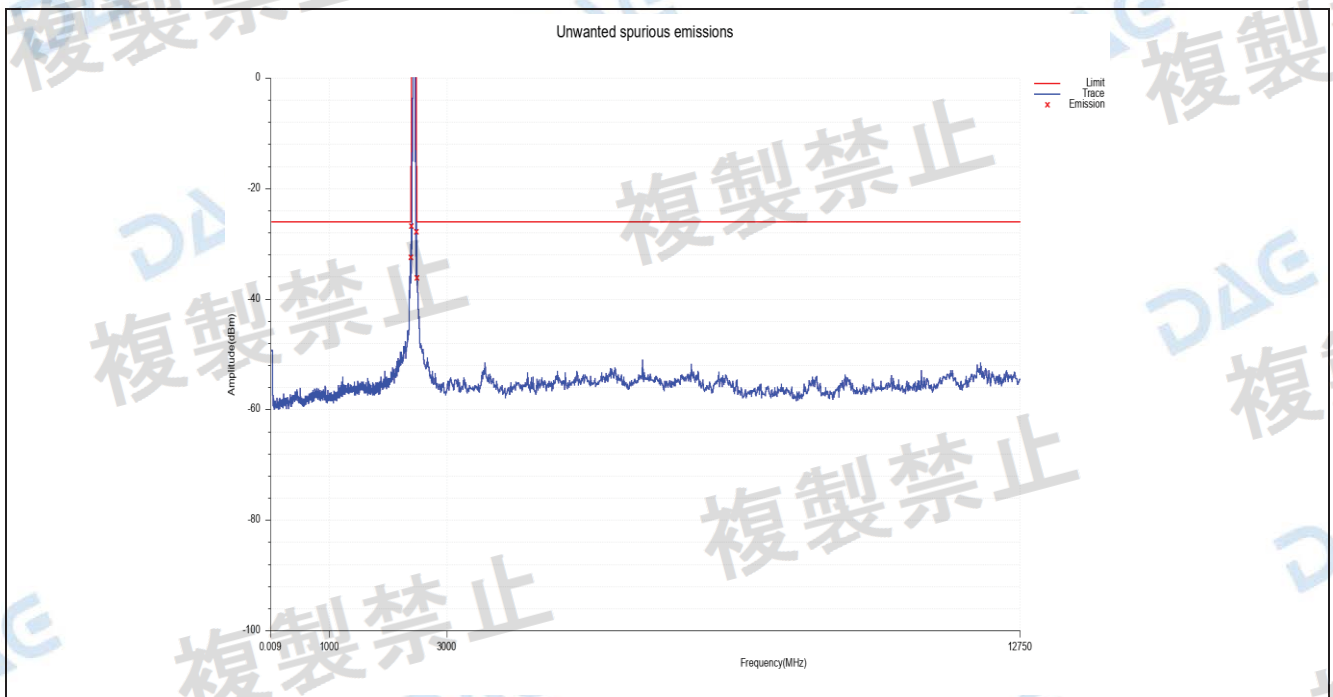
Spurious_Emissions_NVNT_ANT1_802_11ax(HE20)_2442



Spurious_Emissions_NVNT_ANT1_802_11ax(HE20)_2472



Spurious_Emissions_NVNT_ANT1_802_11n(HT40)_2442

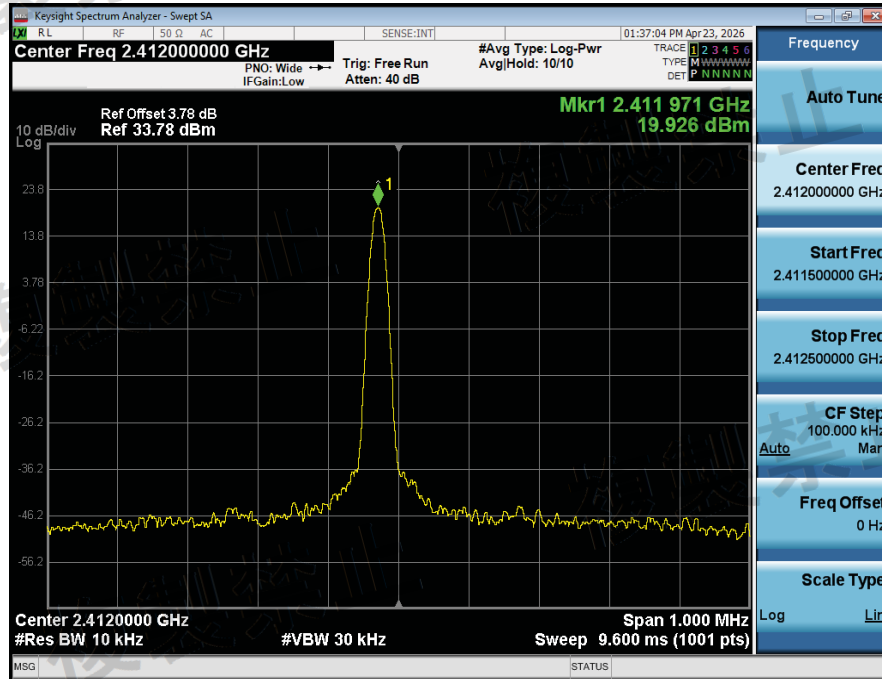


5. Frequency Tolerance

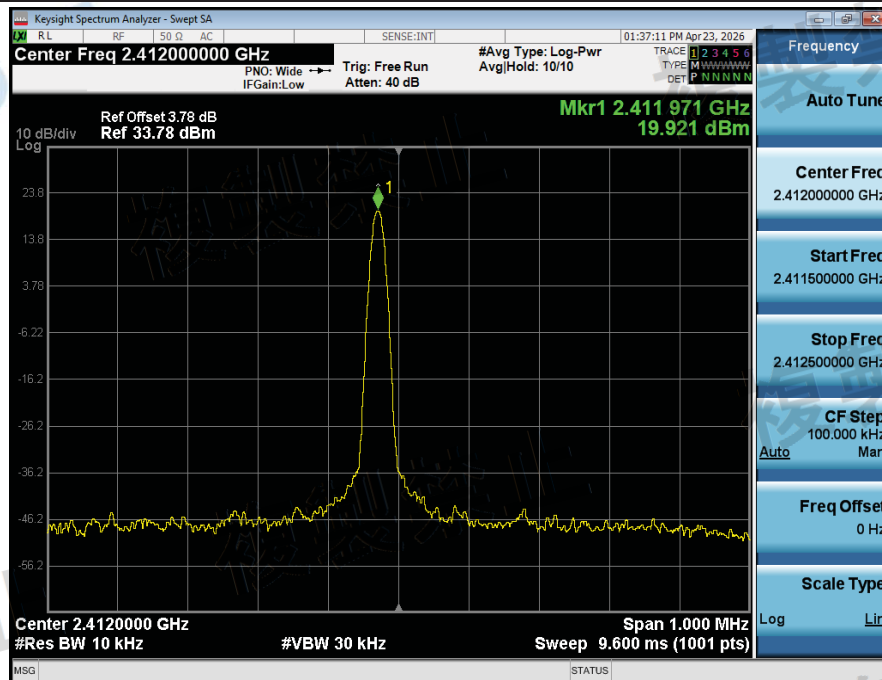
Condition	Antenna	Modulation	Frequency (MHz)	Test Frequency(MHz)	Frequency Tolerance(ppm)	Limit(ppm)	Result
NTNV	ANT1	un-modulation	2412.000000	2411.971	-12.023	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.971	-12.023	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.971	-12.023	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.971	-11.876	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.971	-11.876	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.971	-11.876	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.970	-12.136	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.970	-12.136	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.970	-12.136	±50	Pass
NTNV	ANT1	un-modulation	2412.000000	2411.971	-12.023	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.972	-11.609	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.971	-12.023	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.972	-11.466	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.972	-11.466	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.972	-11.466	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.972	-11.327	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.972	-11.327	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.972	-11.327	±50	Pass
NTNV	ANT1	un-modulation	2412.000000	2411.973	-11.194	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.973	-11.194	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.973	-11.194	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.973	-11.057	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.973	-11.057	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.973	-11.057	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.972	-11.327	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.972	-11.327	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.972	-11.327	±50	Pass
NTNV	ANT1	un-modulation	2412.000000	2411.972	-11.609	±50	Pass
NTLV	ANT1	un-modulation	2412.000000	2411.972	-11.609	±50	Pass
NTHV	ANT1	un-modulation	2412.000000	2411.972	-11.609	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.971	-11.876	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.971	-11.876	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.971	-11.876	±50	Pass
NTNV	ANT1	un-modulation	2472.000000	2471.970	-12.136	±50	Pass
NTLV	ANT1	un-modulation	2472.000000	2471.970	-12.136	±50	Pass
NTHV	ANT1	un-modulation	2472.000000	2471.970	-12.136	±50	Pass
NTNV	ANT1	un-modulation	2422.000000	2421.970	-12.386	±50	Pass
NTLV	ANT1	un-modulation	2422.000000	2421.970	-12.386	±50	Pass
NTHV	ANT1	un-modulation	2422.000000	2421.970	-12.386	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.970	-12.285	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.970	-12.285	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.970	-12.285	±50	Pass
NTNV	ANT1	un-modulation	2462.000000	2461.972	-11.373	±50	Pass
NTLV	ANT1	un-modulation	2462.000000	2461.972	-11.373	±50	Pass
NTHV	ANT1	un-modulation	2462.000000	2461.972	-11.373	±50	Pass
NTNV	ANT1	un-modulation	2422.000000	2421.970	-12.386	±50	Pass
NTLV	ANT1	un-modulation	2422.000000	2421.970	-12.386	±50	Pass

NTHV	ANT1	un-modulation	2422.000000	2421.970	-12.386	±50	Pass
NTNV	ANT1	un-modulation	2442.000000	2441.970	-12.285	±50	Pass
NTLV	ANT1	un-modulation	2442.000000	2441.970	-12.285	±50	Pass
NTHV	ANT1	un-modulation	2442.000000	2441.970	-12.285	±50	Pass
NTNV	ANT1	un-modulation	2462.000000	2461.969	-12.591	±50	Pass
NTLV	ANT1	un-modulation	2462.000000	2461.969	-12.591	±50	Pass
NTHV	ANT1	un-modulation	2462.000000	2461.969	-12.591	±50	Pass

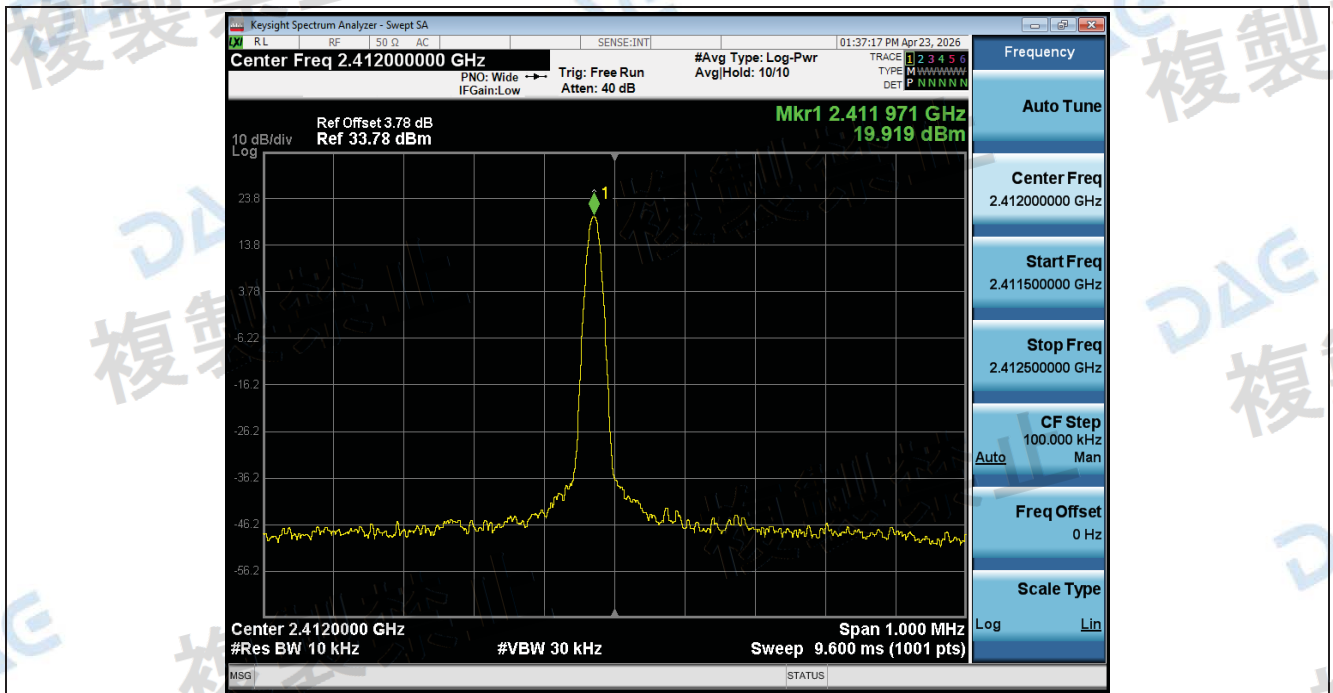
Frequency_Tolerance_NTNV_ANT1_802_11b_2412



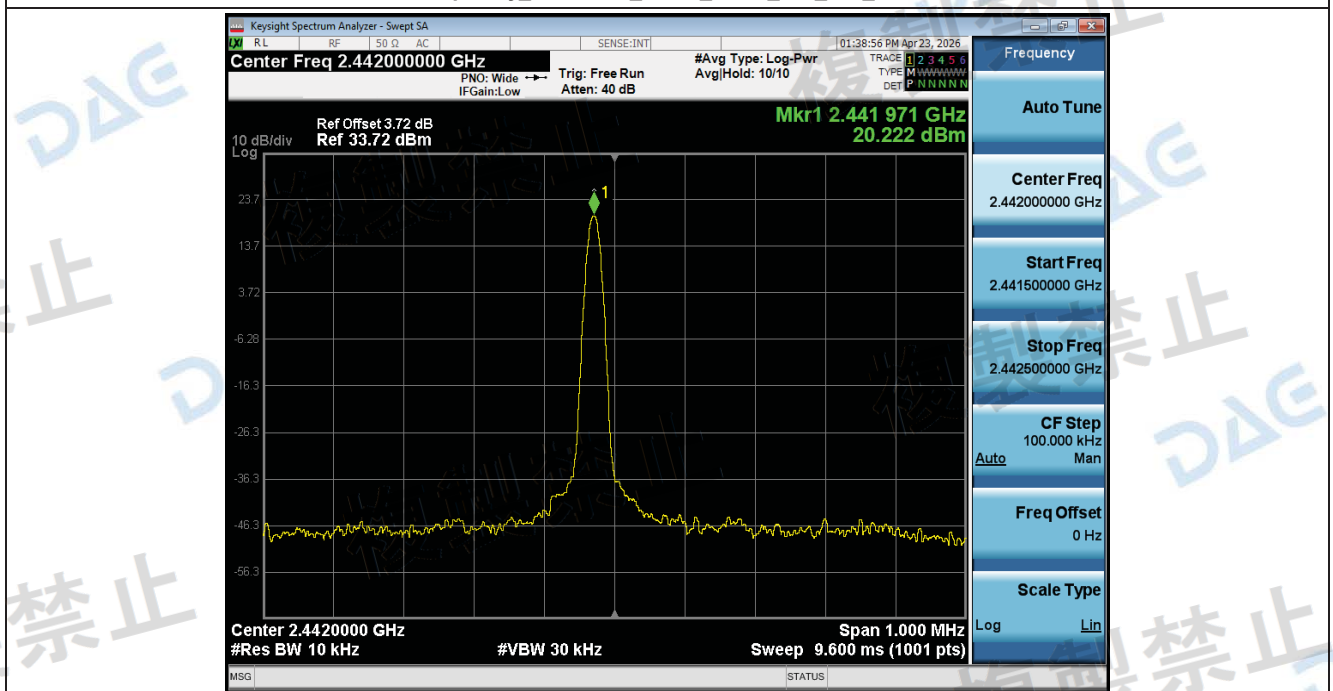
Frequency_Tolerance_NTLV_ANT1_802_11b_2412



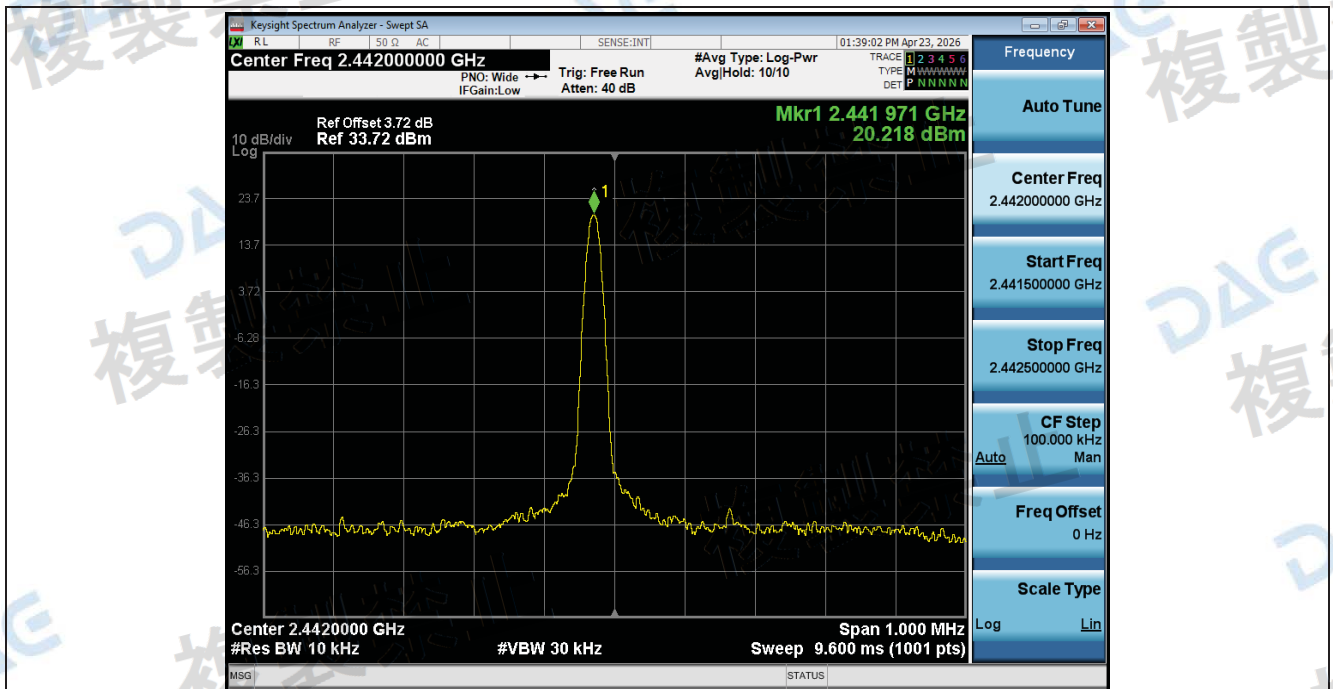
Frequency_Tolerance_NTHV_ANT1_802_11b_2412



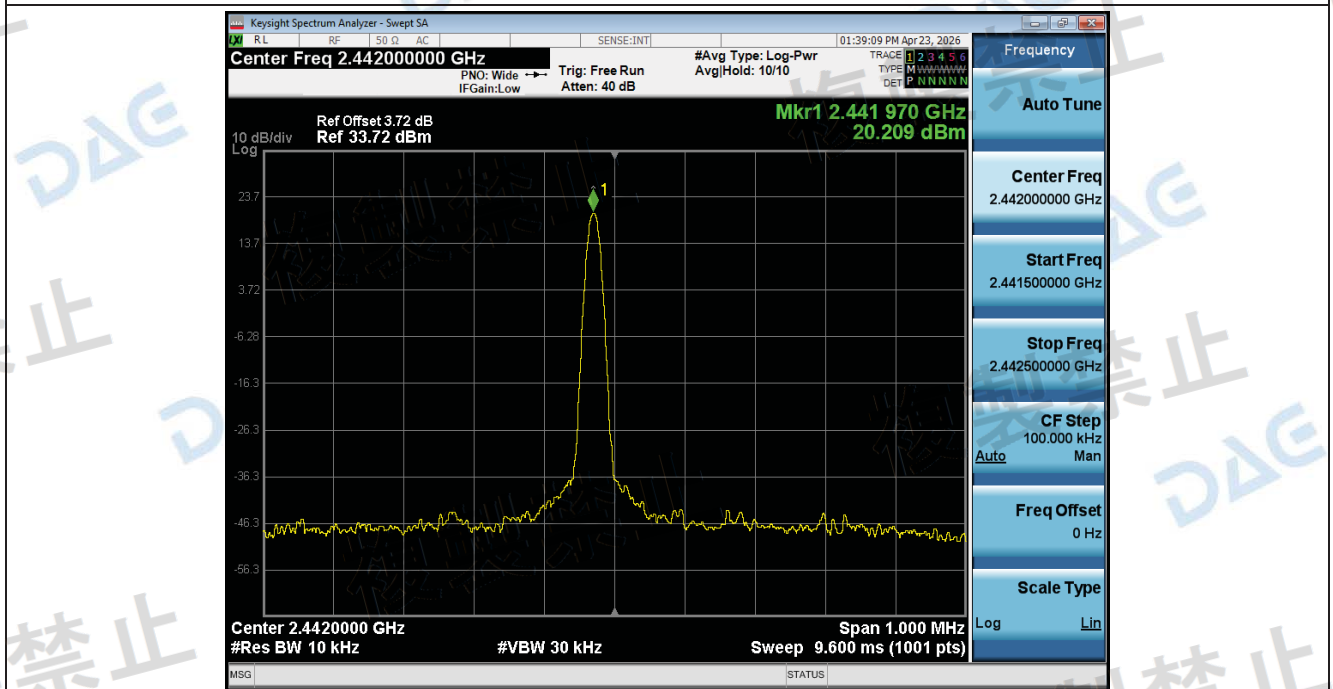
Frequency_Tolerance_NTNV_ANT1_802_11b_2442



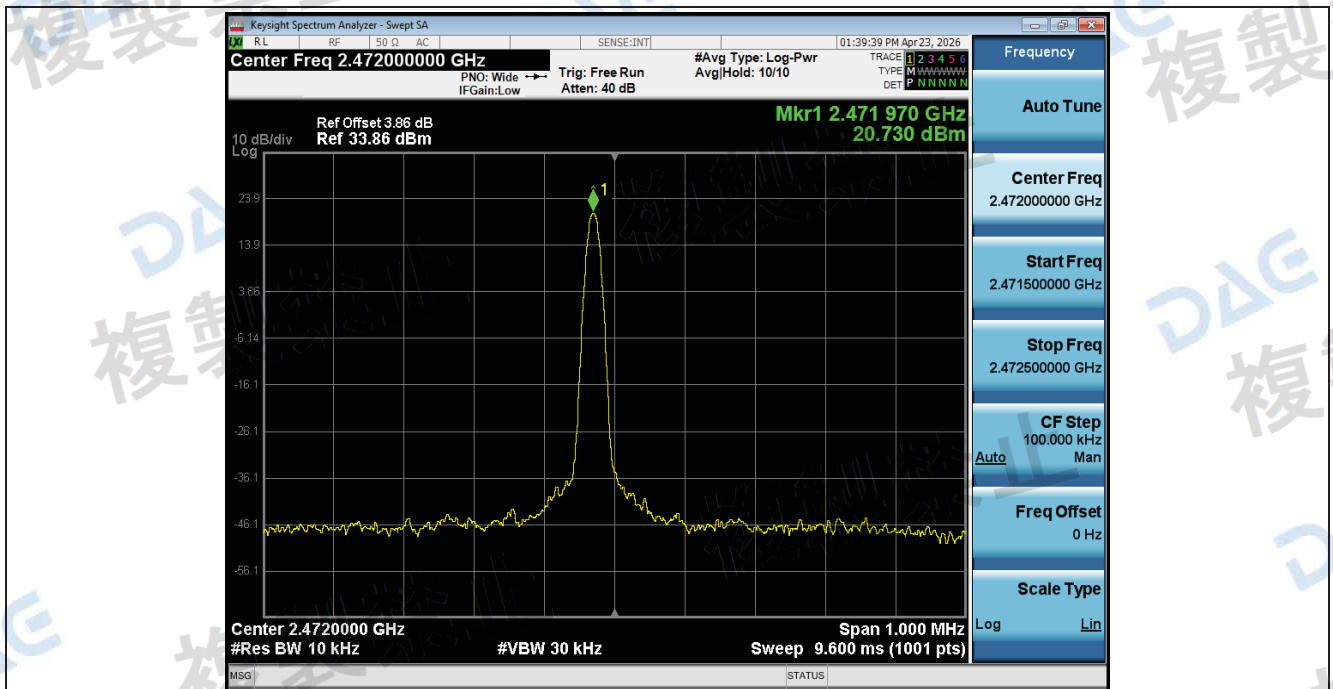
Frequency_Tolerance_NTLV_ANT1_802_11b_2442



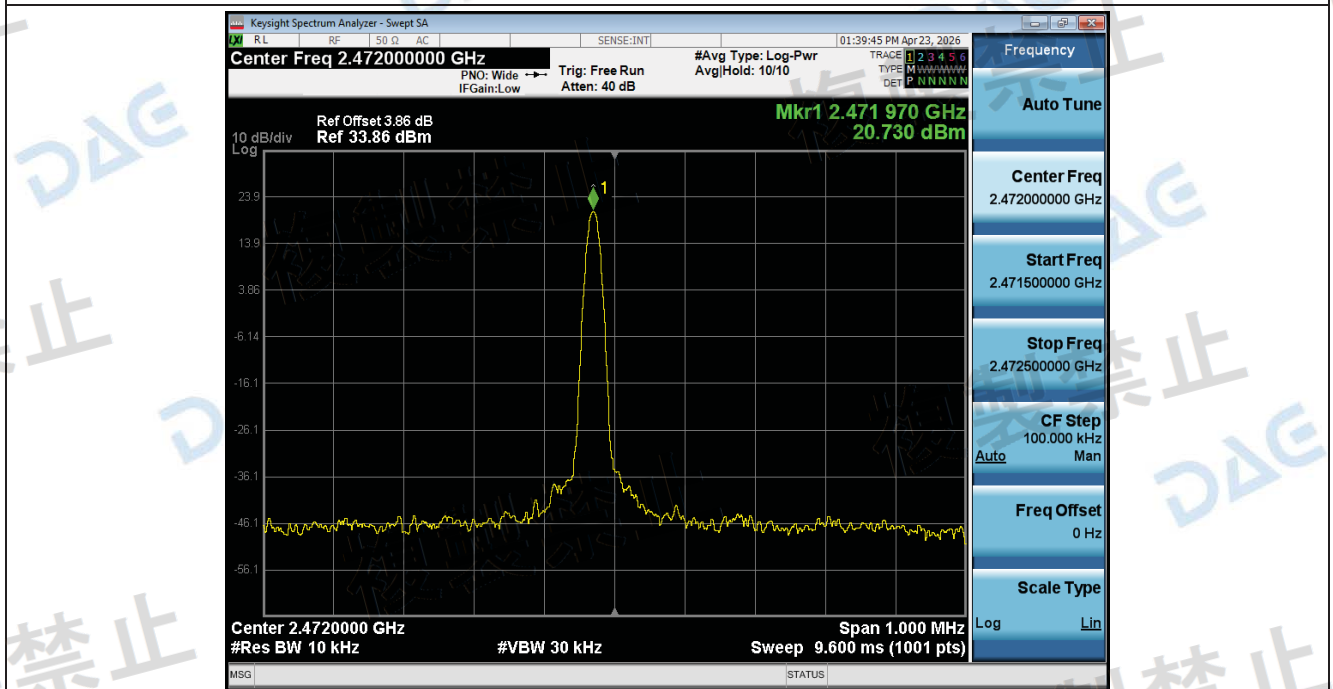
Frequency_Tolerance_NTHV_ANT1_802_11b_2442



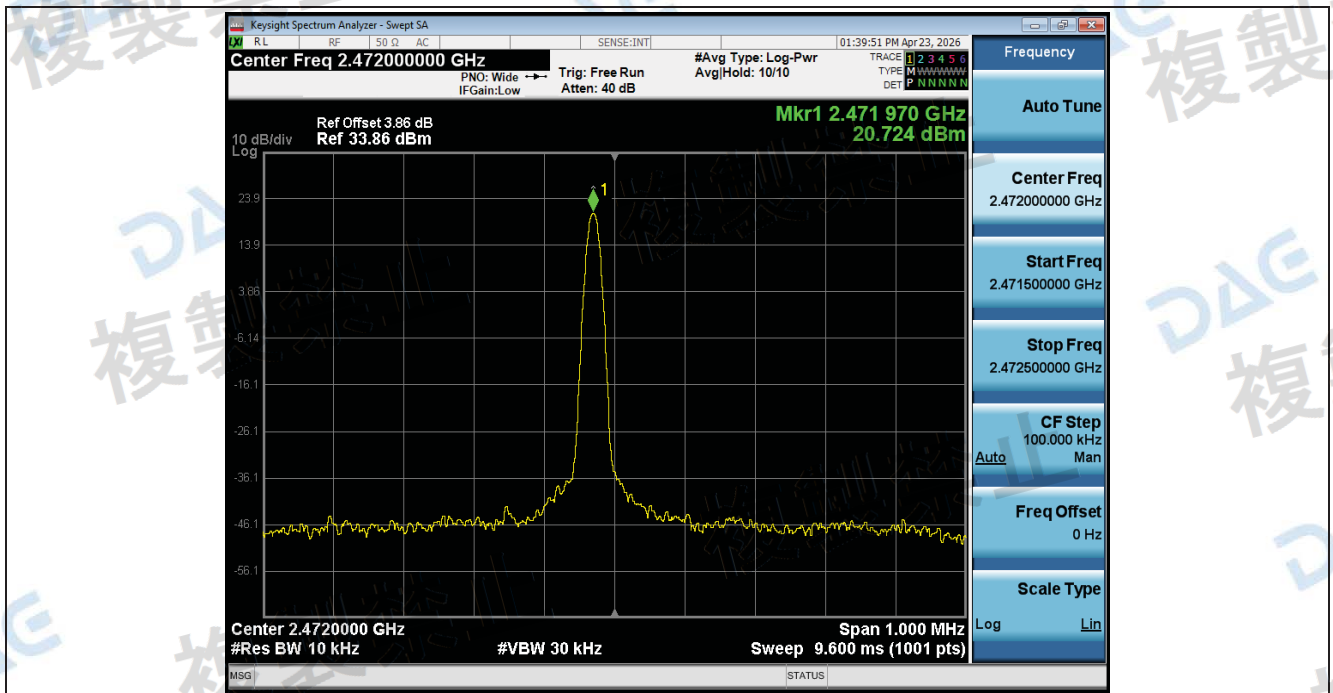
Frequency_Tolerance_NTNV_ANT1_802_11b_2472



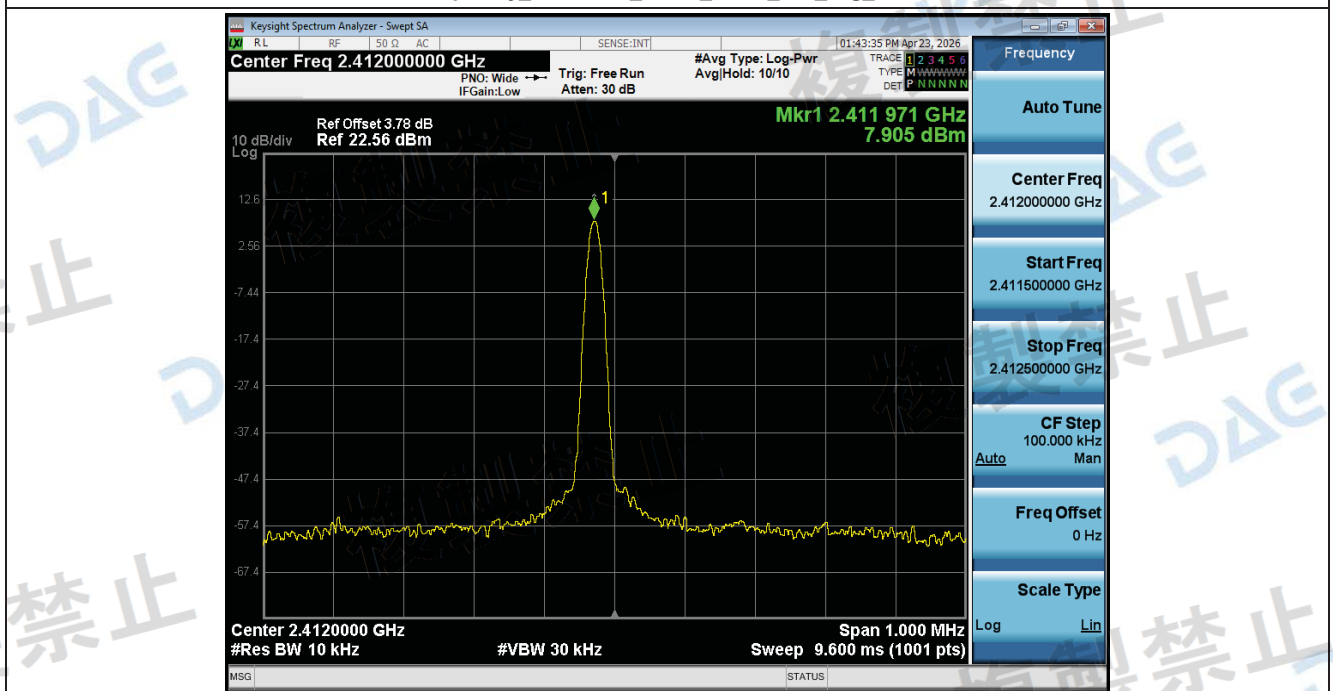
Frequency_Tolerance_NTLV_ANT1_802_11b_2472



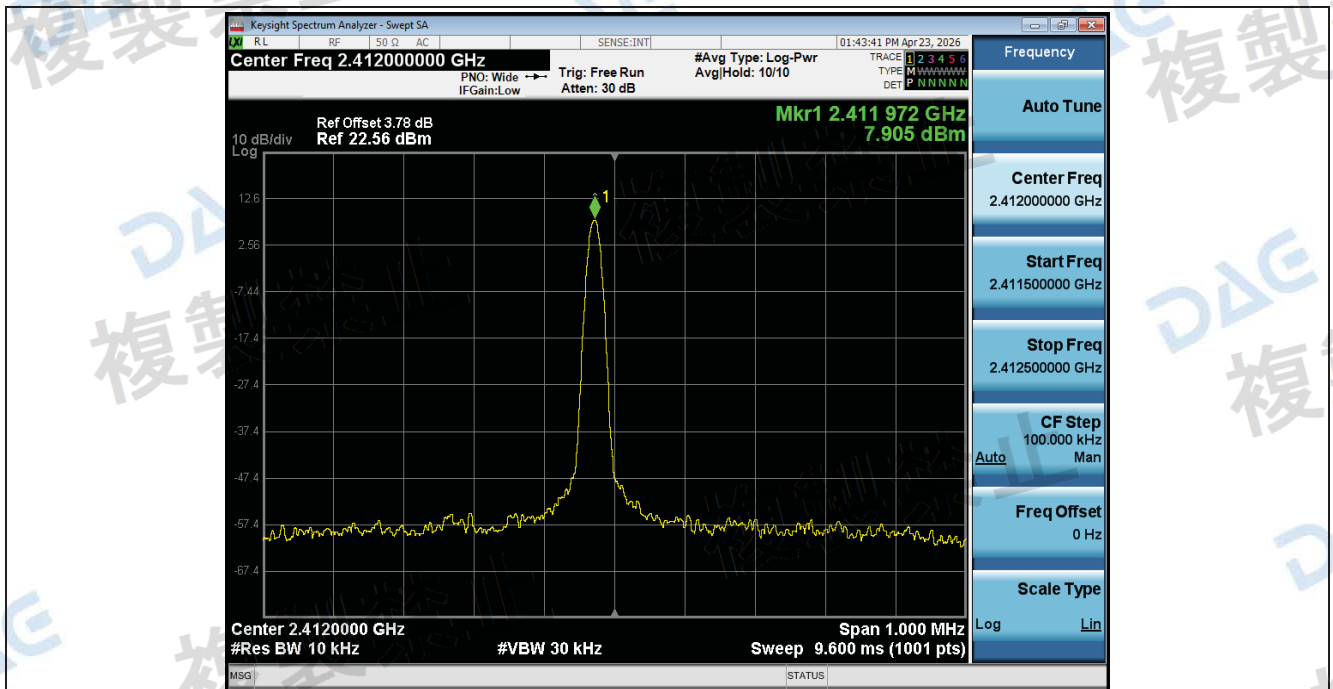
Frequency_Tolerance_NTHV_ANT1_802_11b_2472



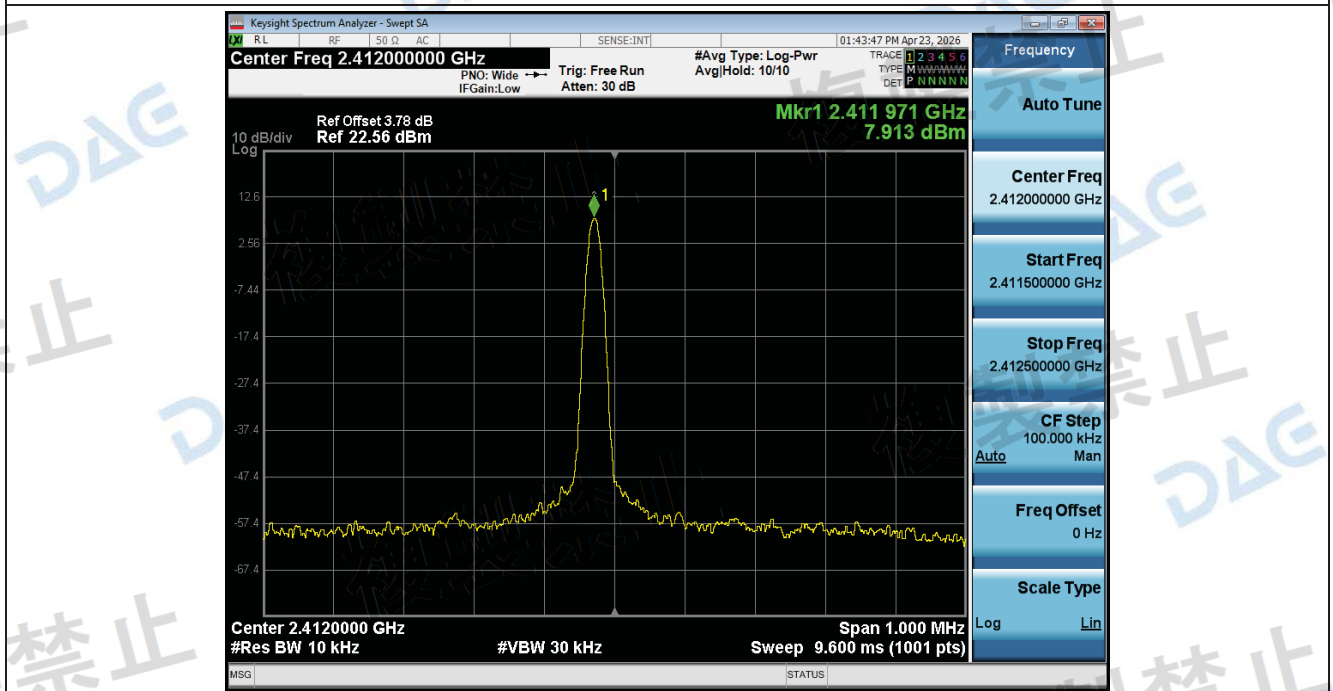
Frequency_Tolerance_NTNV_ANT1_802_11g_2412



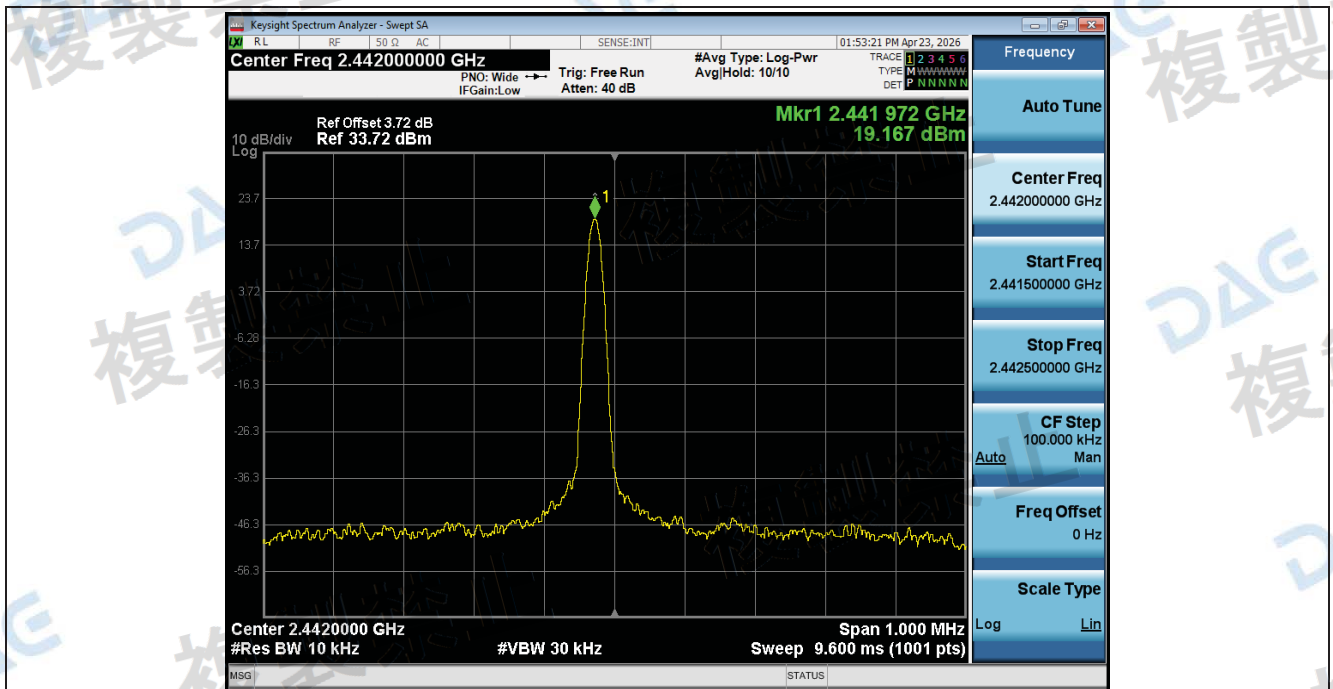
Frequency_Tolerance_NTLV_ANT1_802_11g_2412



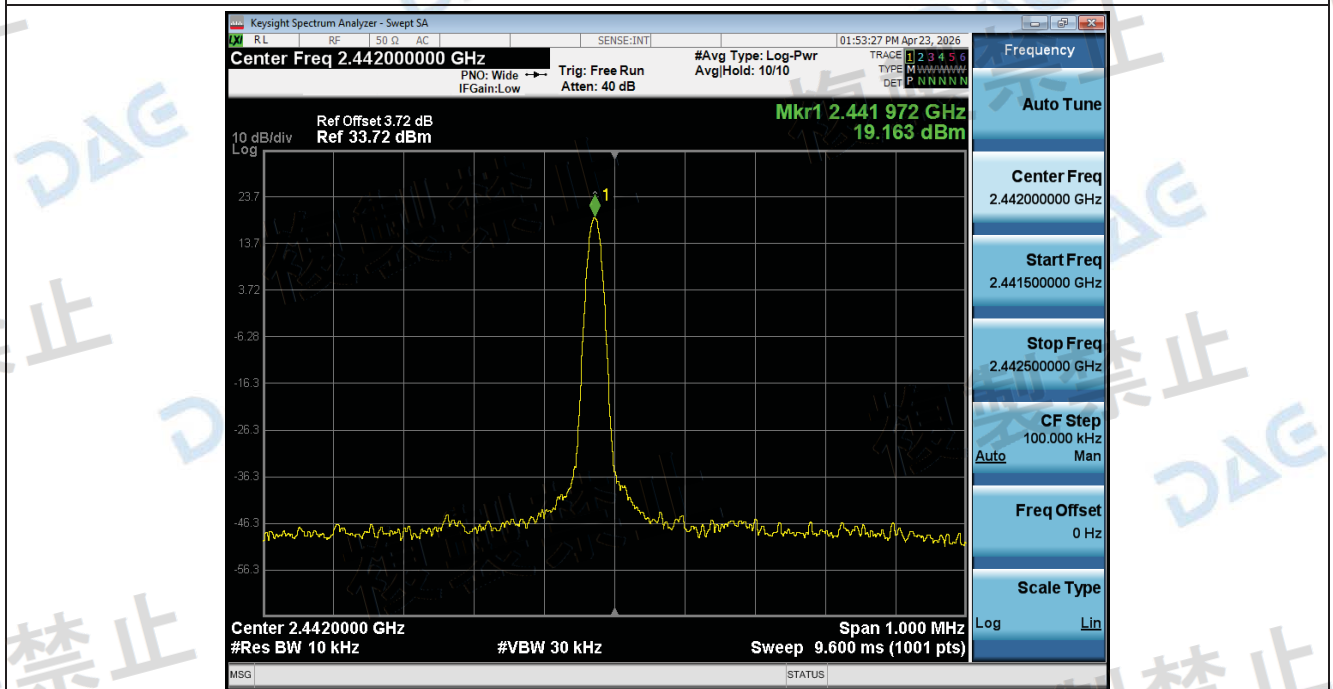
Frequency_Tolerance_NTHV_ANT1_802_11g_2412



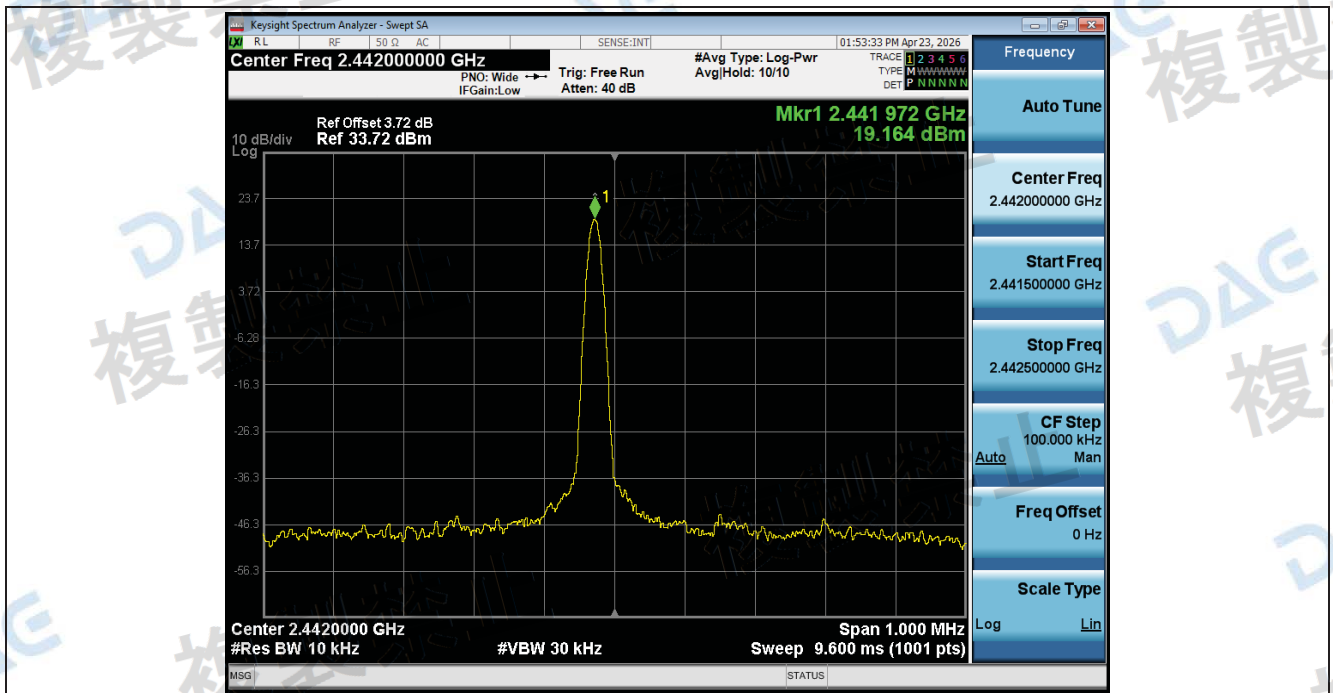
Frequency_Tolerance_NTNV_ANT1_802_11g_2442



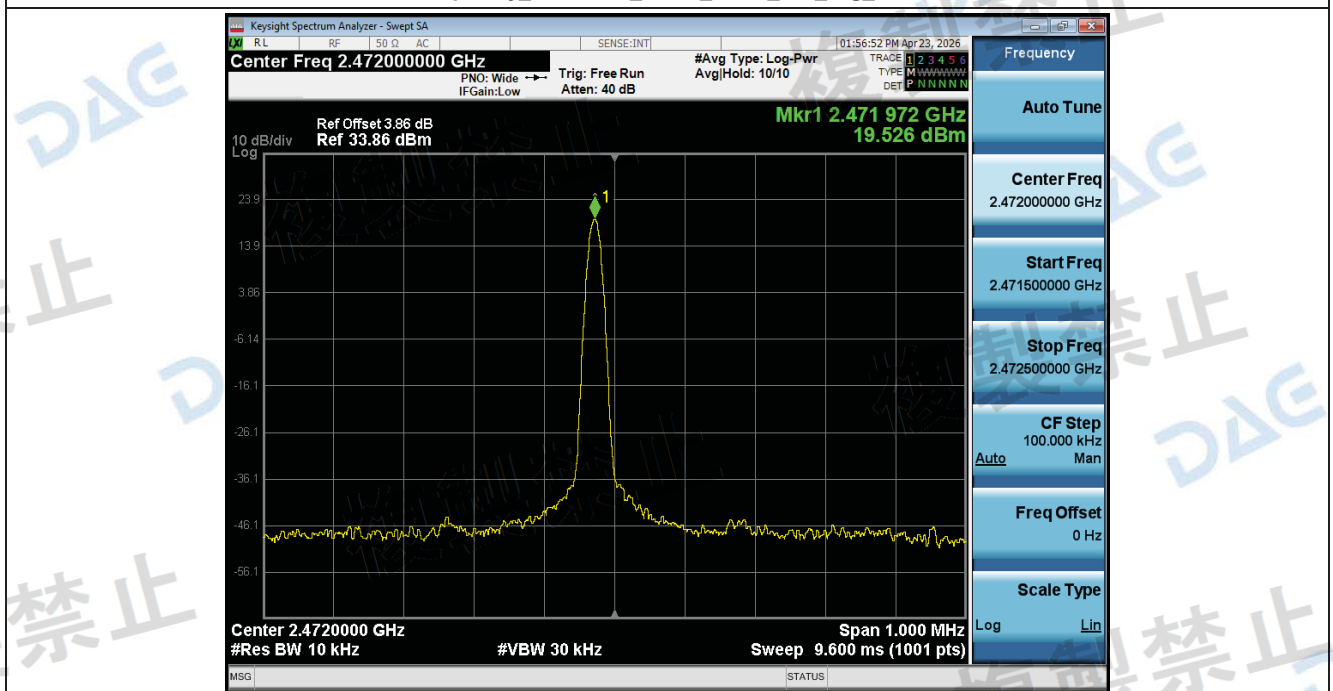
Frequency_Tolerance_NTLV_ANT1_802_11g_2442



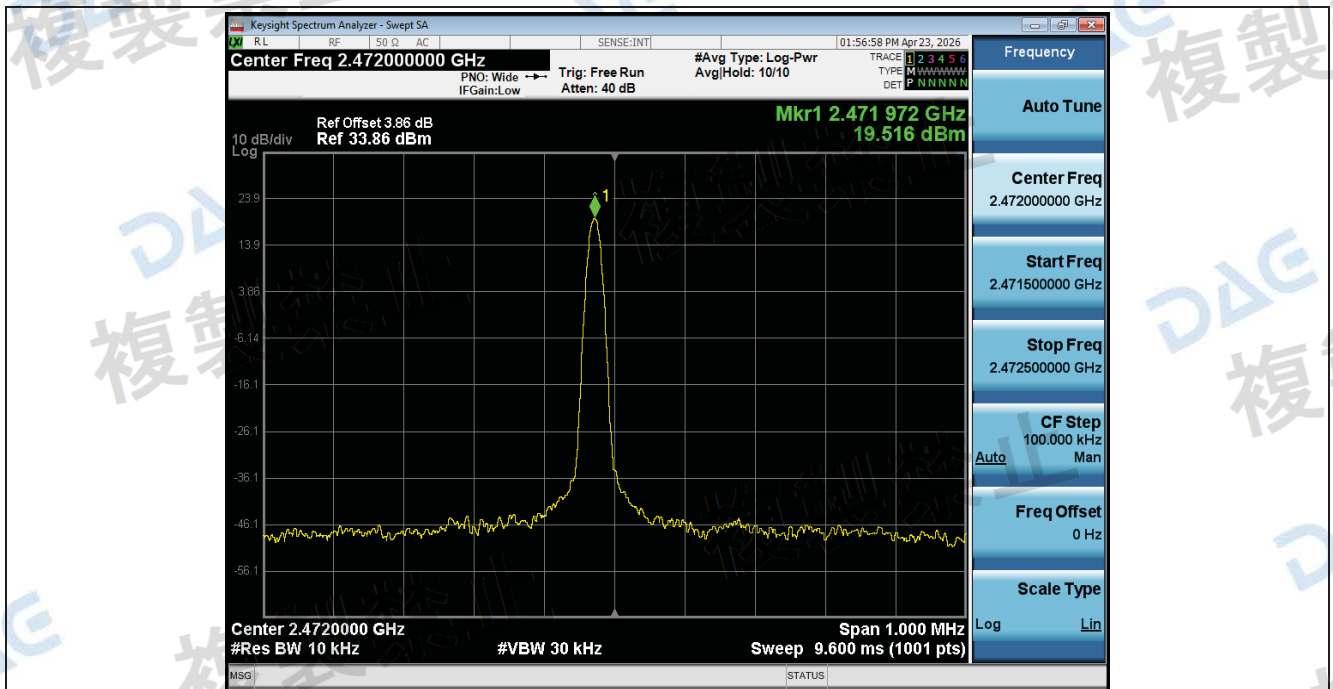
Frequency_Tolerance_NTHV_ANT1_802_11g_2442



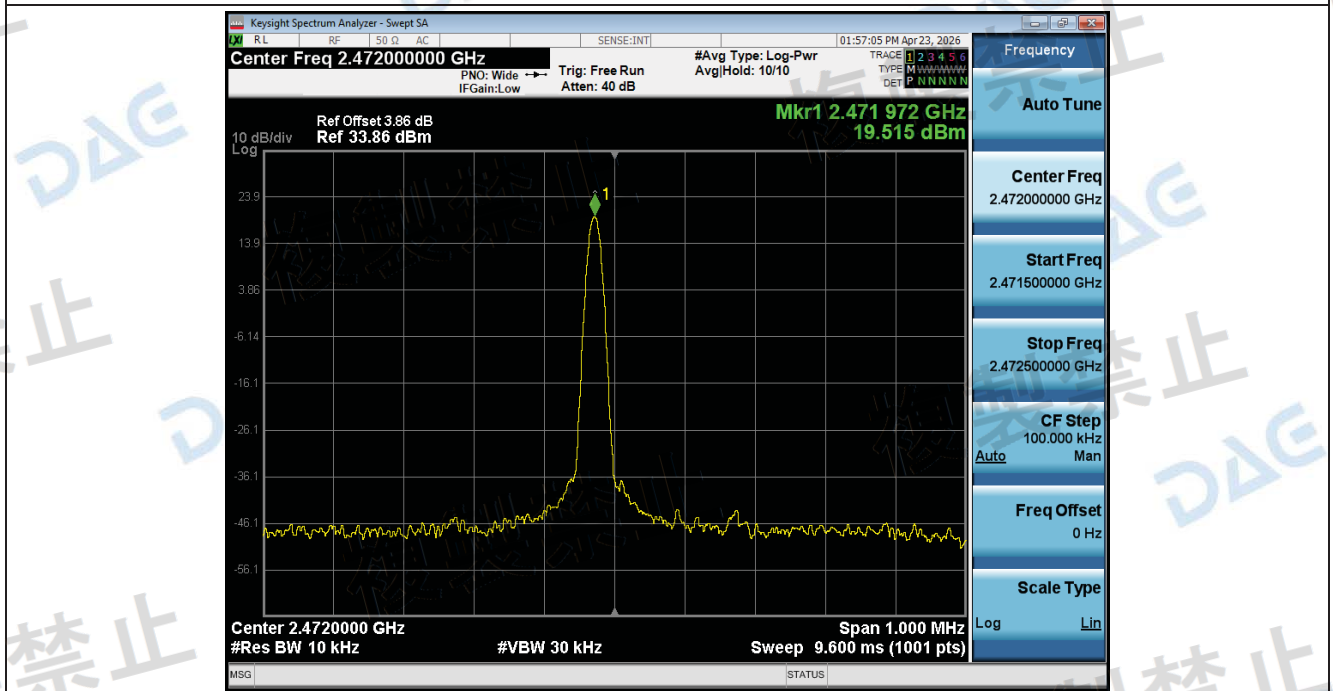
Frequency_Tolerance_NTNV_ANT1_802_11g_2472



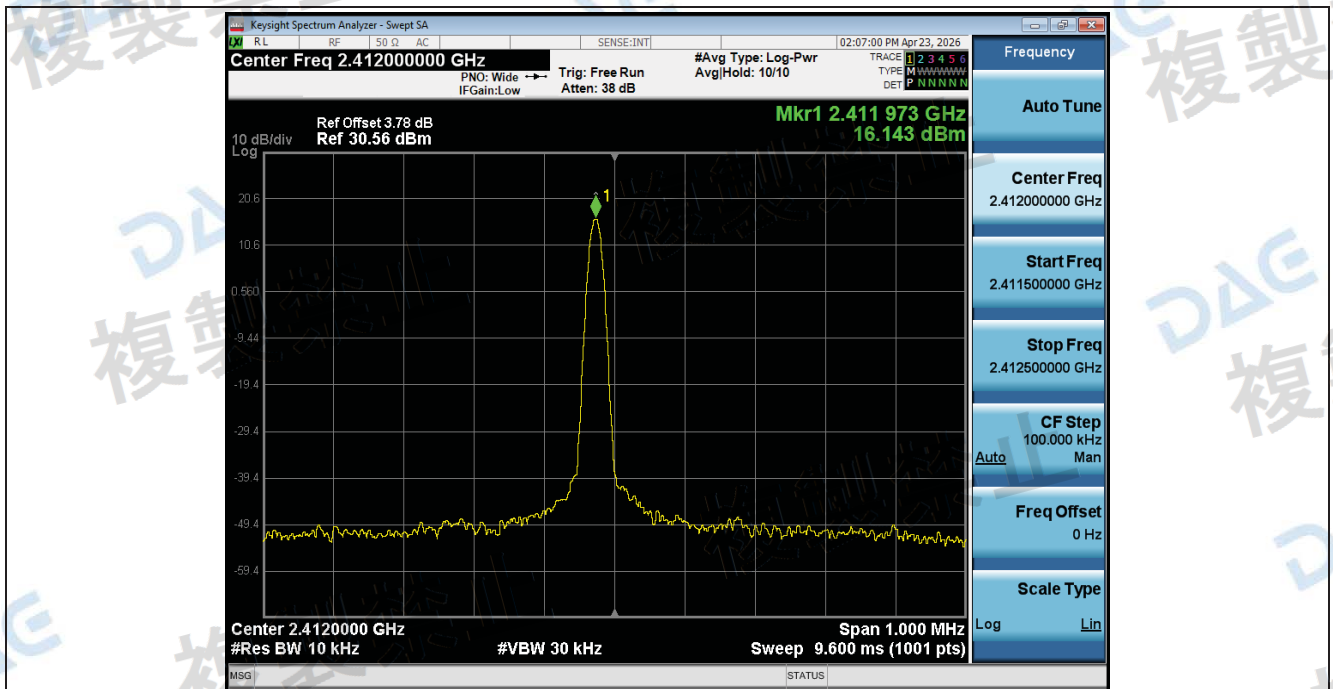
Frequency_Tolerance_NTLV_ANT1_802_11g_2472



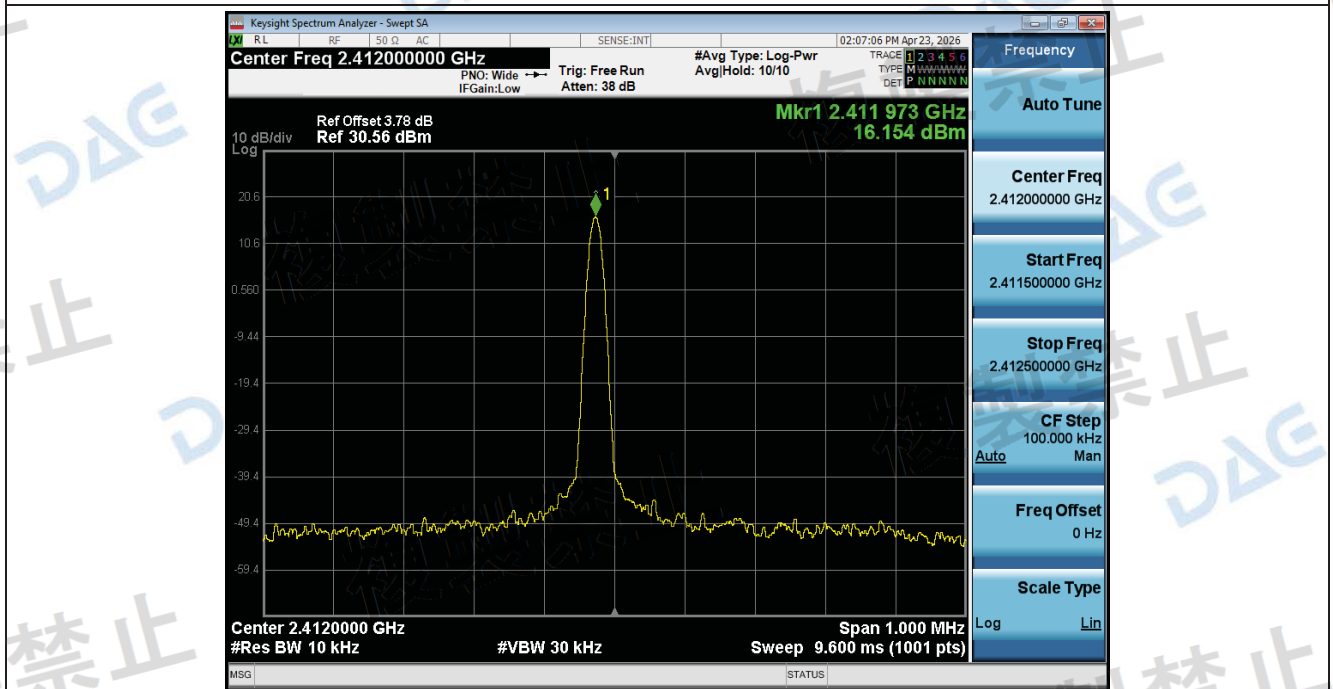
Frequency_Tolerance_NTHV_ANT1_802_11g_2472



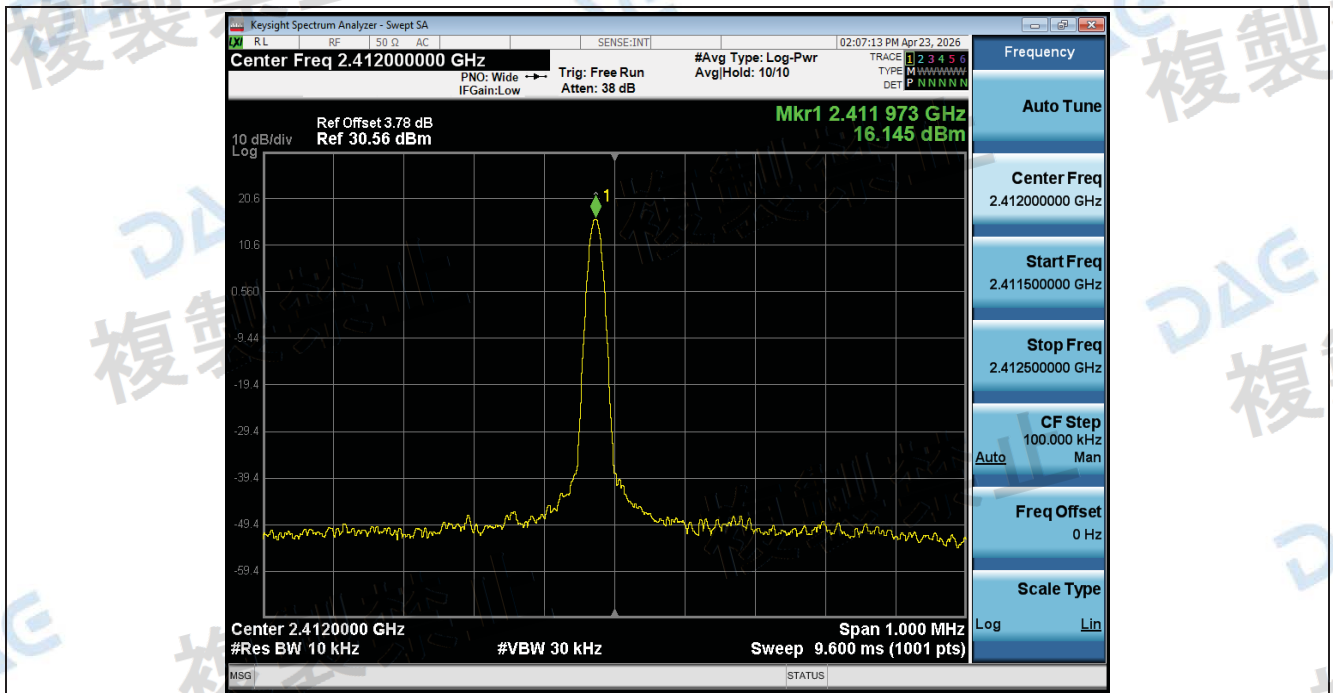
Frequency_Tolerance_NTNV_ANT1_802_11n(HT20)_2412



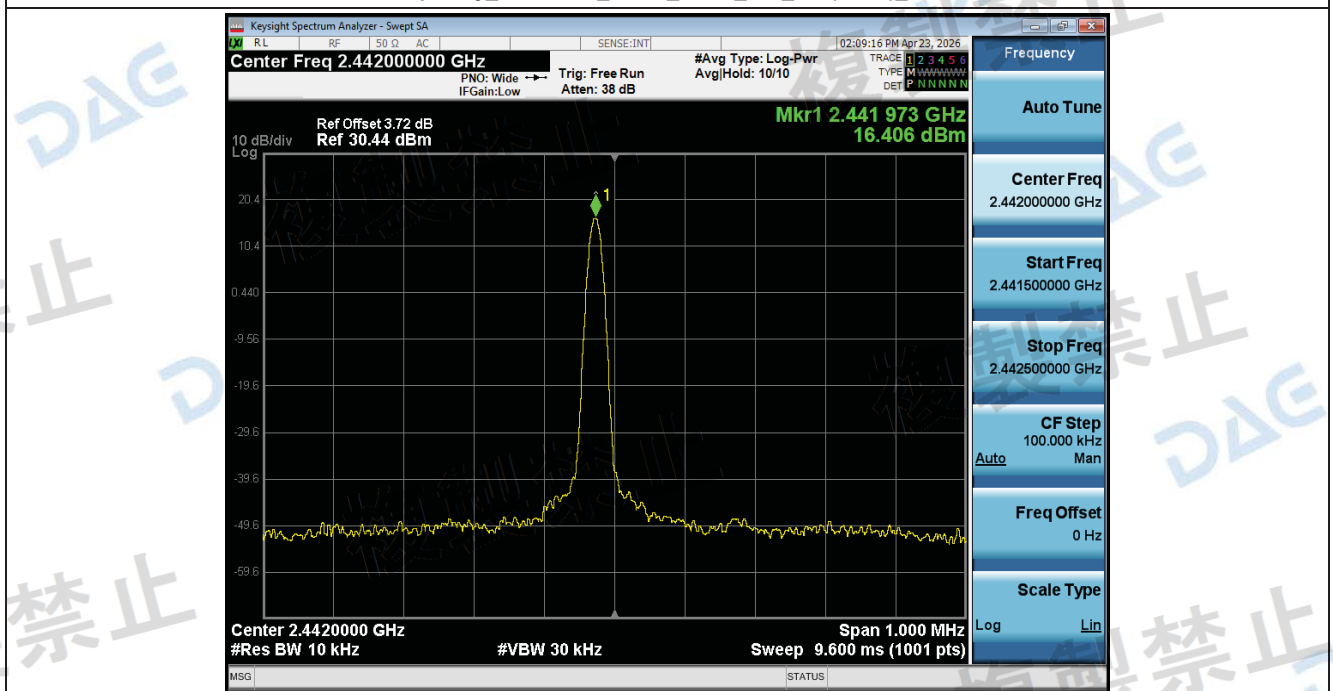
Frequency_Tolerance_NTLV_ANT1_802_11n(HT20)_2412



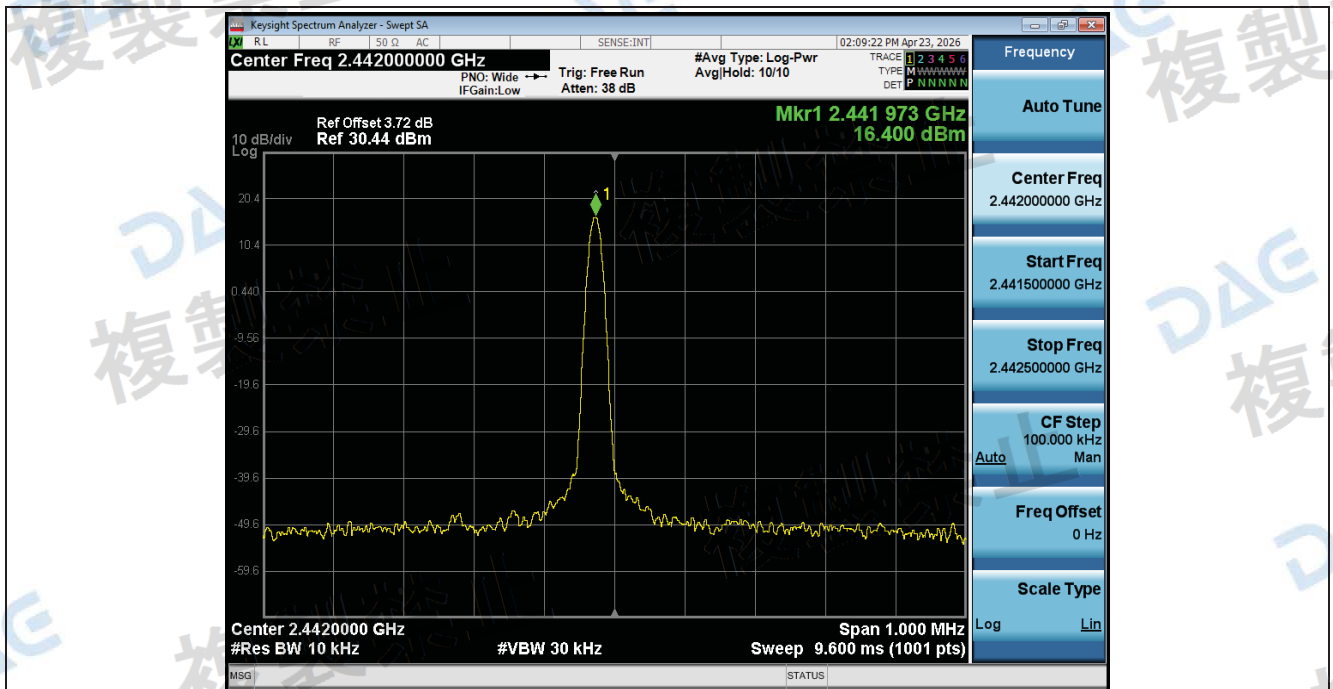
Frequency_Tolerance_NTHV_ANT1_802_11n(HT20)_2412



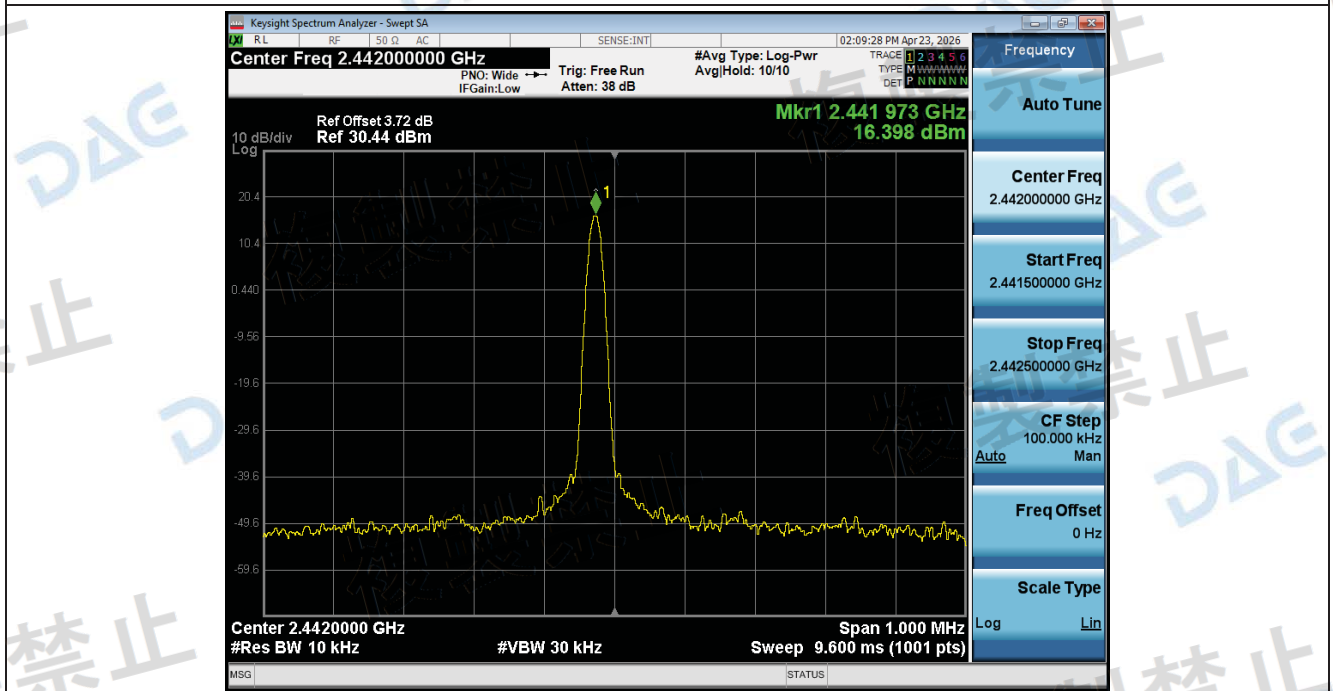
Frequency_Tolerance_NTNV_ANT1_802_11n(HT20)_2442



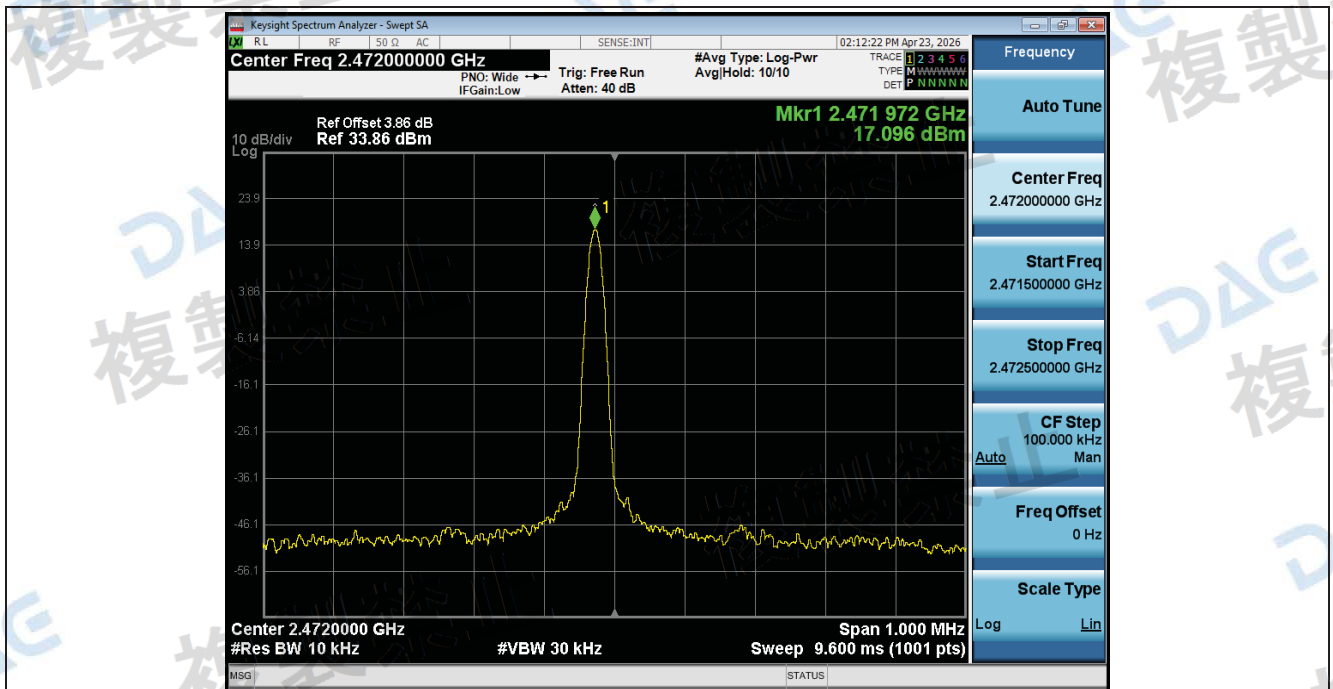
Frequency_Tolerance_NTLV_ANT1_802_11n(HT20)_2442



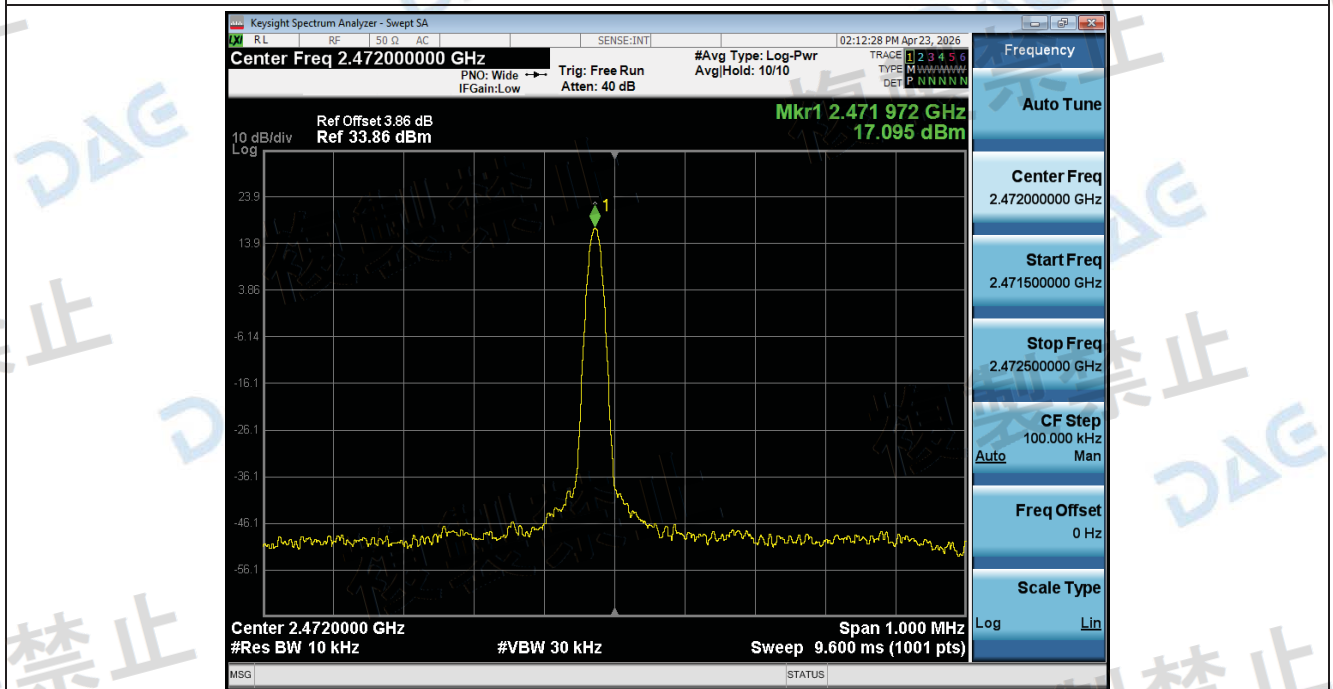
Frequency_Tolerance_NTHV_ANT1_802_11n(HT20)_2442



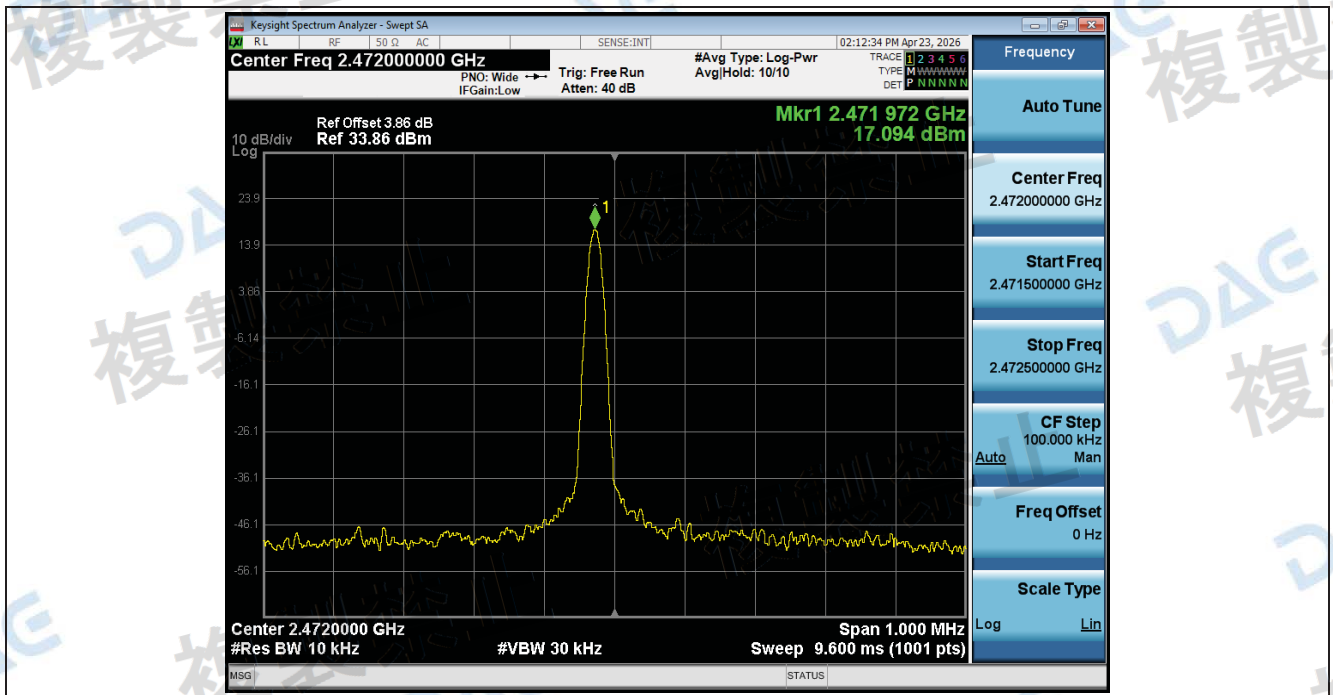
Frequency_Tolerance_NTNV_ANT1_802_11n(HT20)_2472



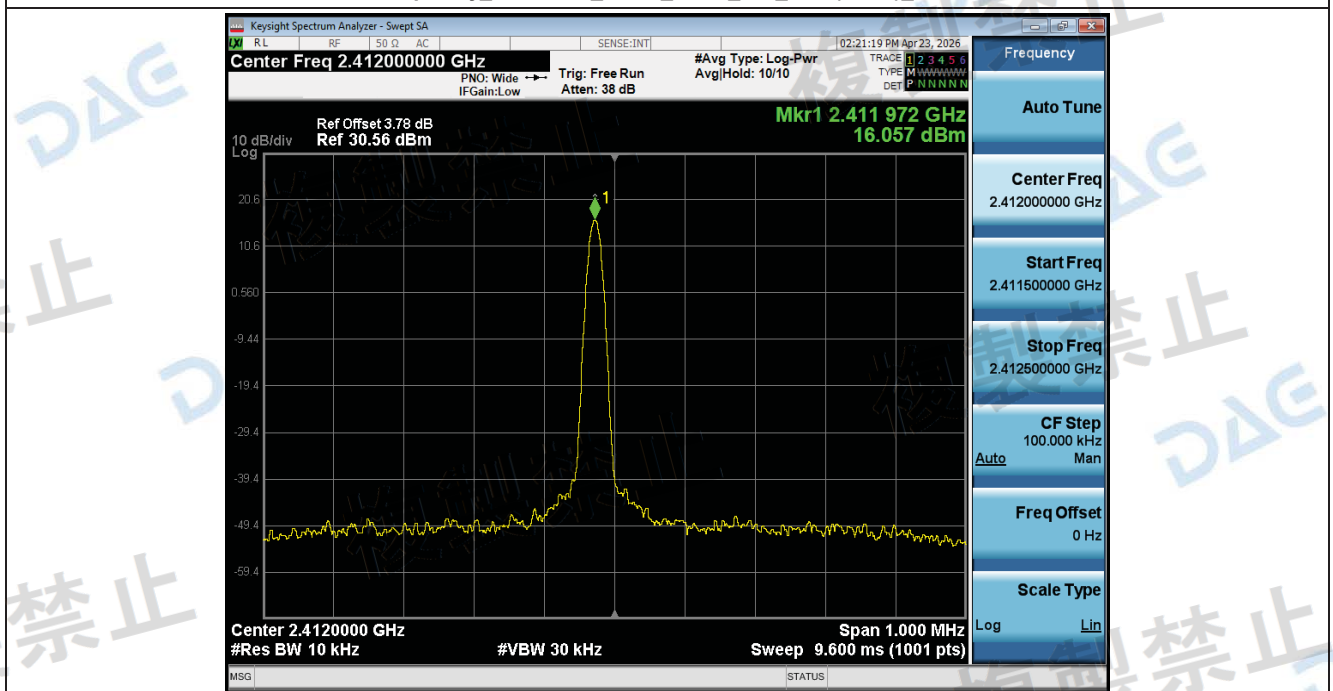
Frequency_Tolerance_NTLV_ANT1_802_11n(HT20)_2472



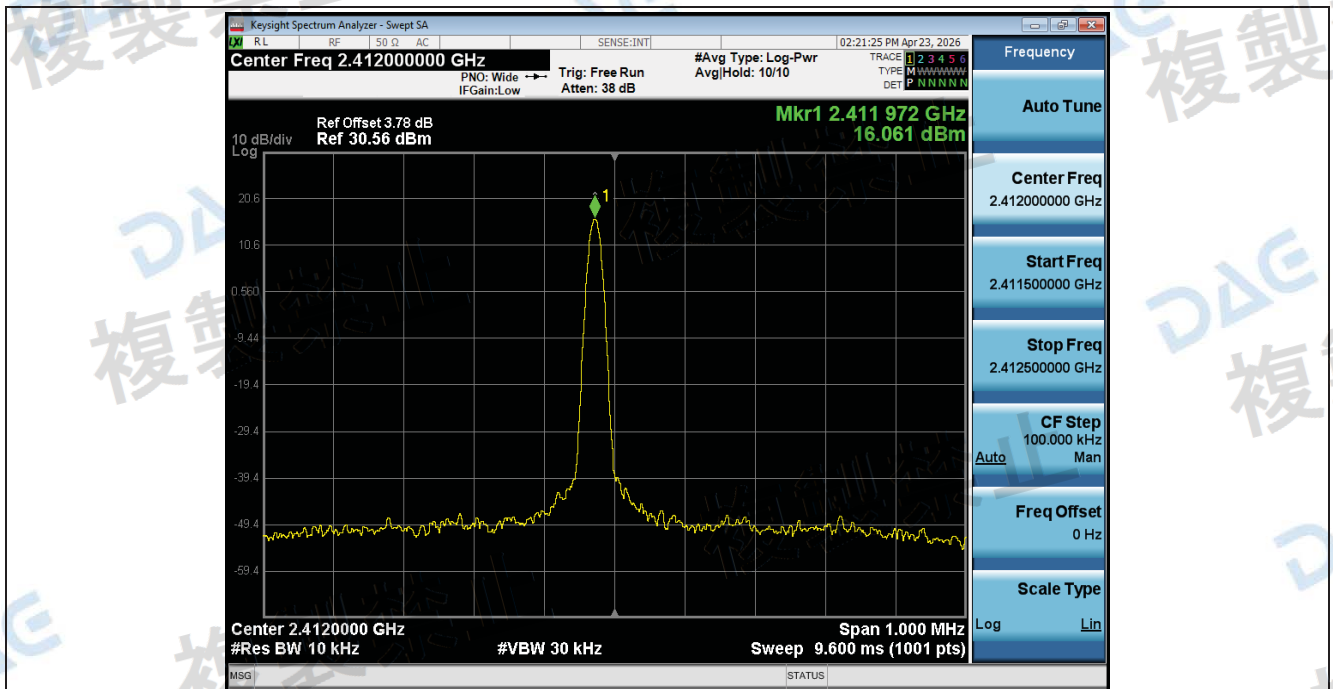
Frequency_Tolerance_NTHV_ANT1_802_11n(HT20)_2472



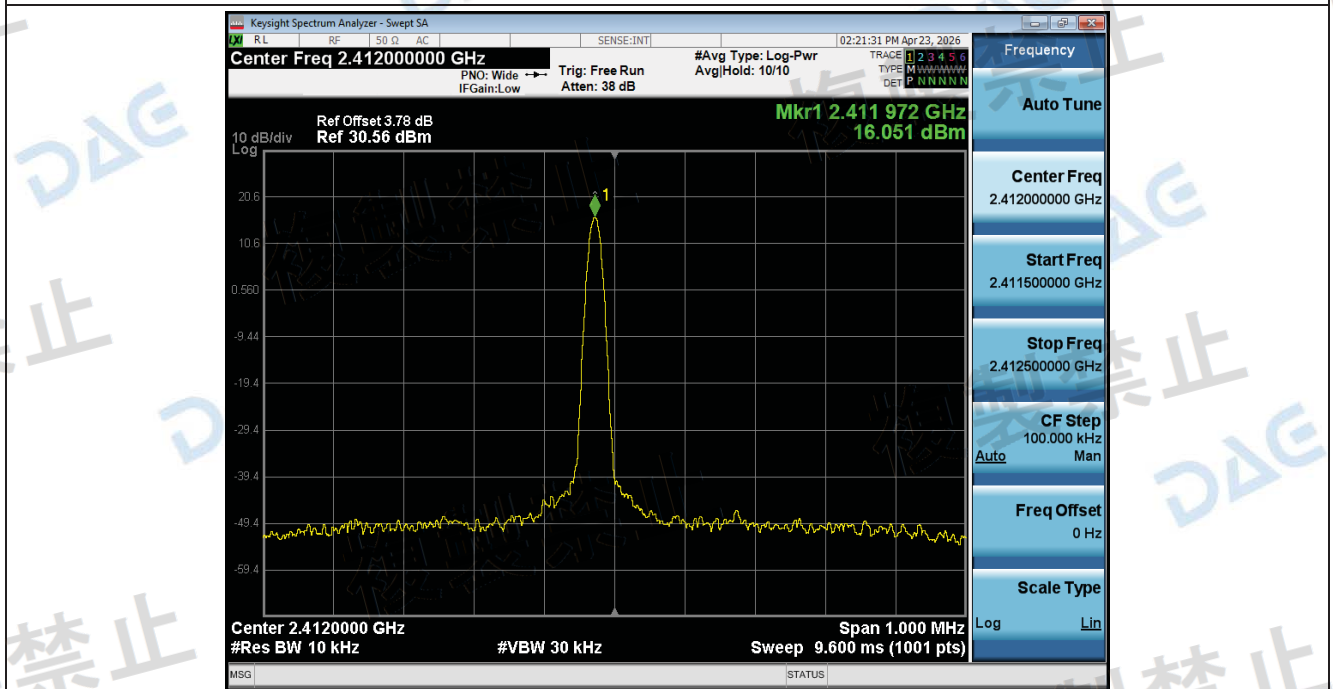
Frequency_Tolerance_NTNV_ANT1_802_11ax(HE20)_2412



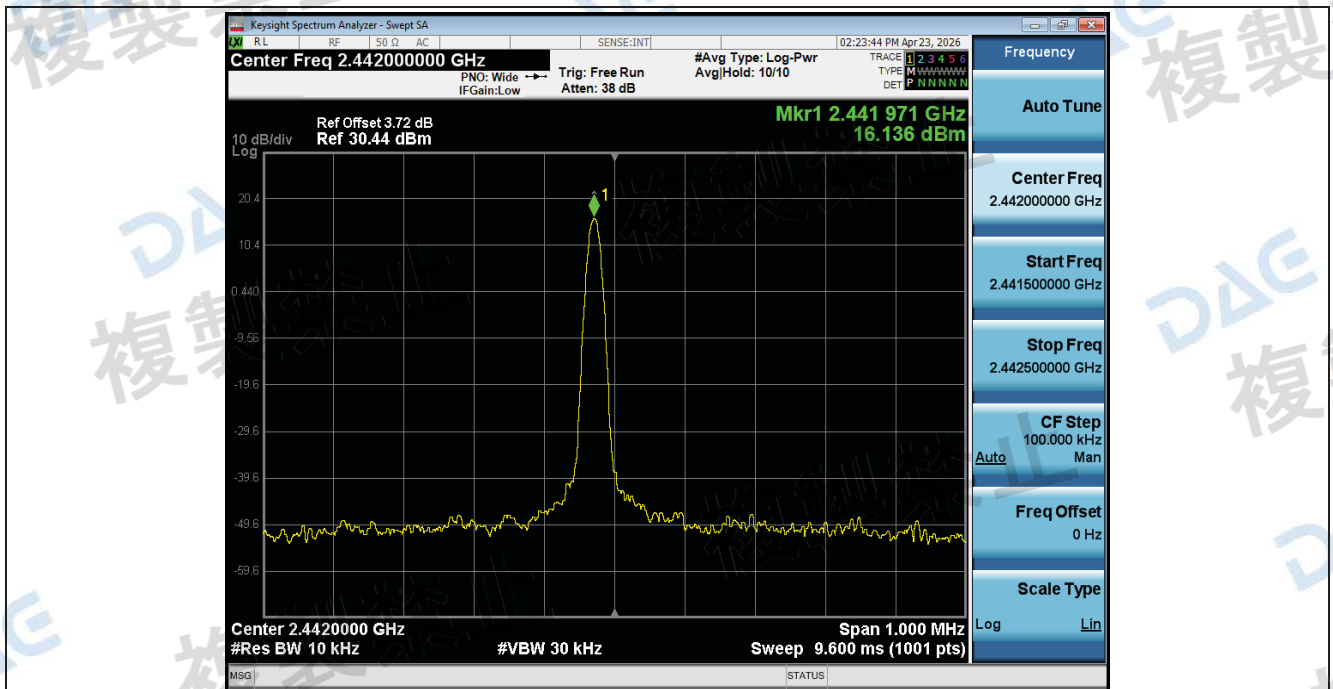
Frequency_Tolerance_NTLV_ANT1_802_11ax(HE20)_2412



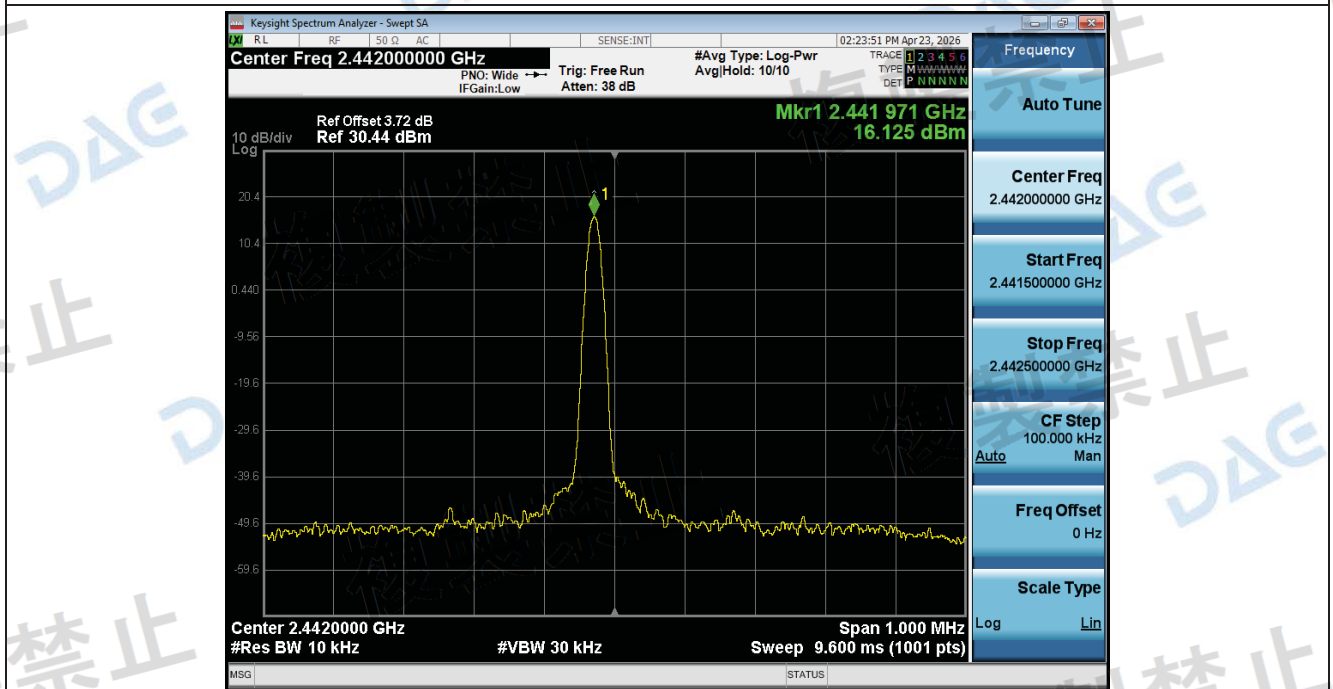
Frequency_Tolerance_NTHV_ANT1_802_11ax(HE20)_2412



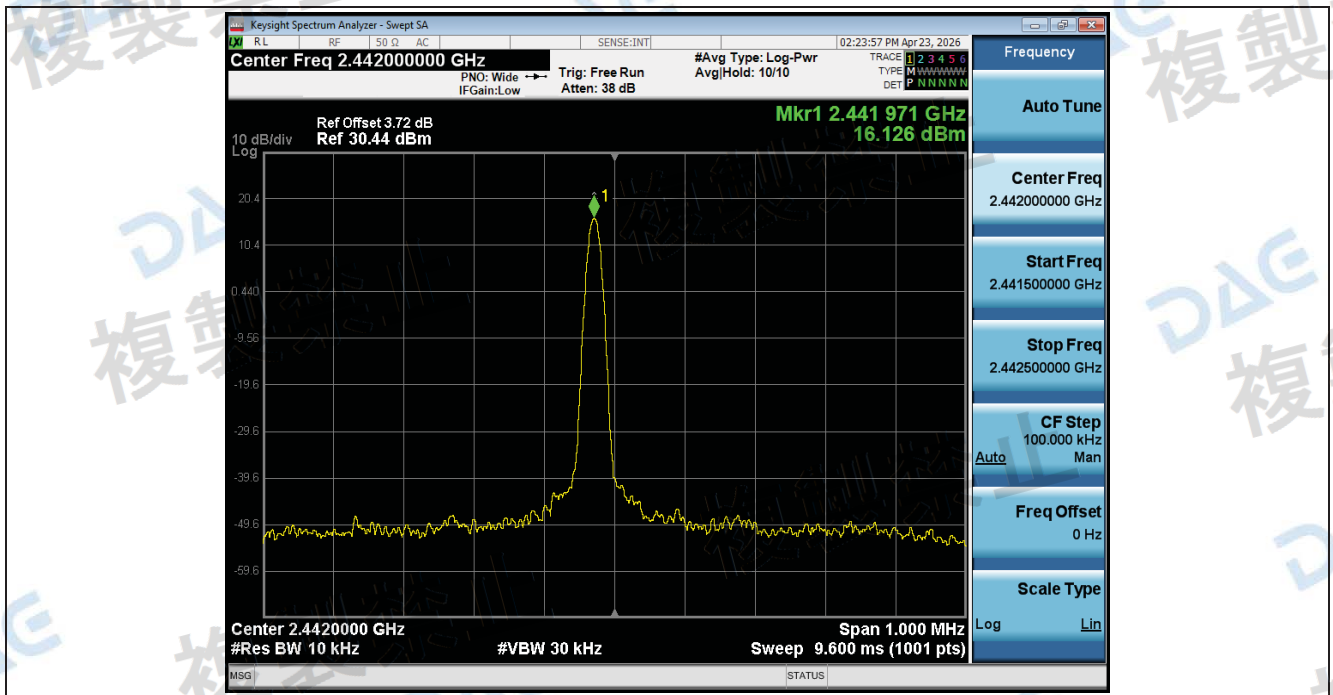
Frequency_Tolerance_NTNV_ANT1_802_11ax(HE20)_2442



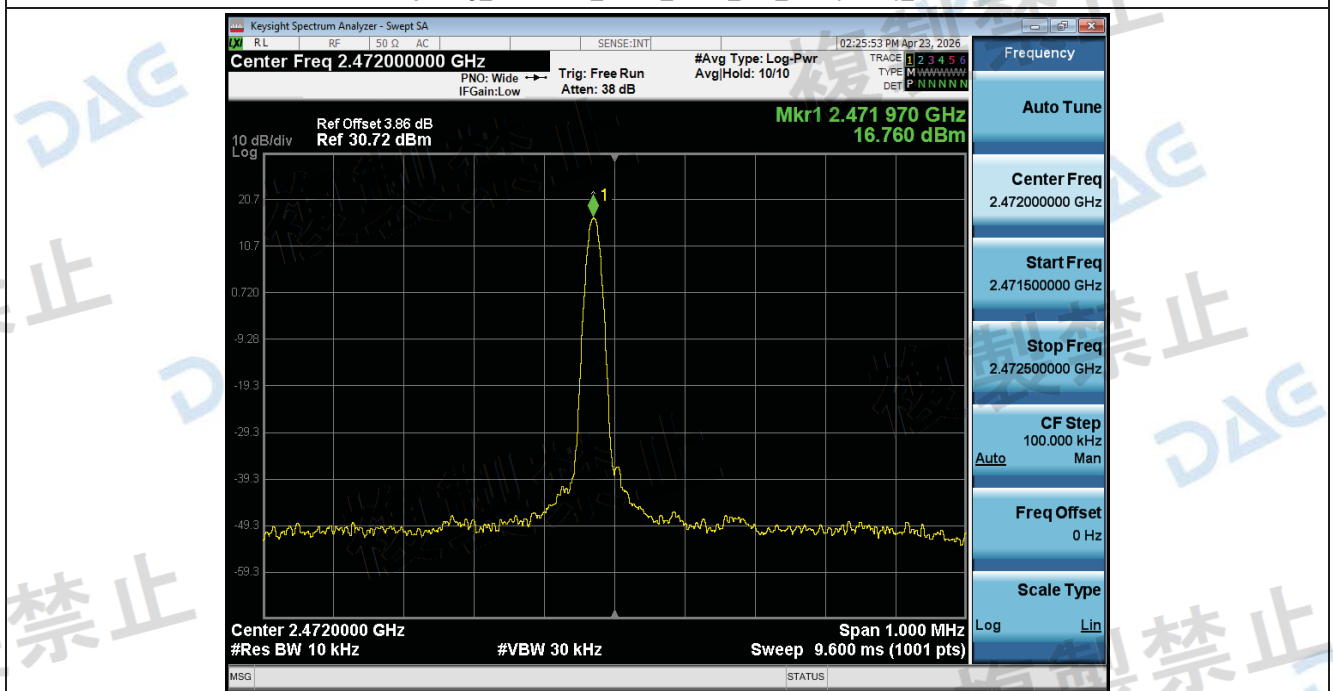
Frequency_Tolerance_NTLV_ANT1_802_11ax(HE20)_2442



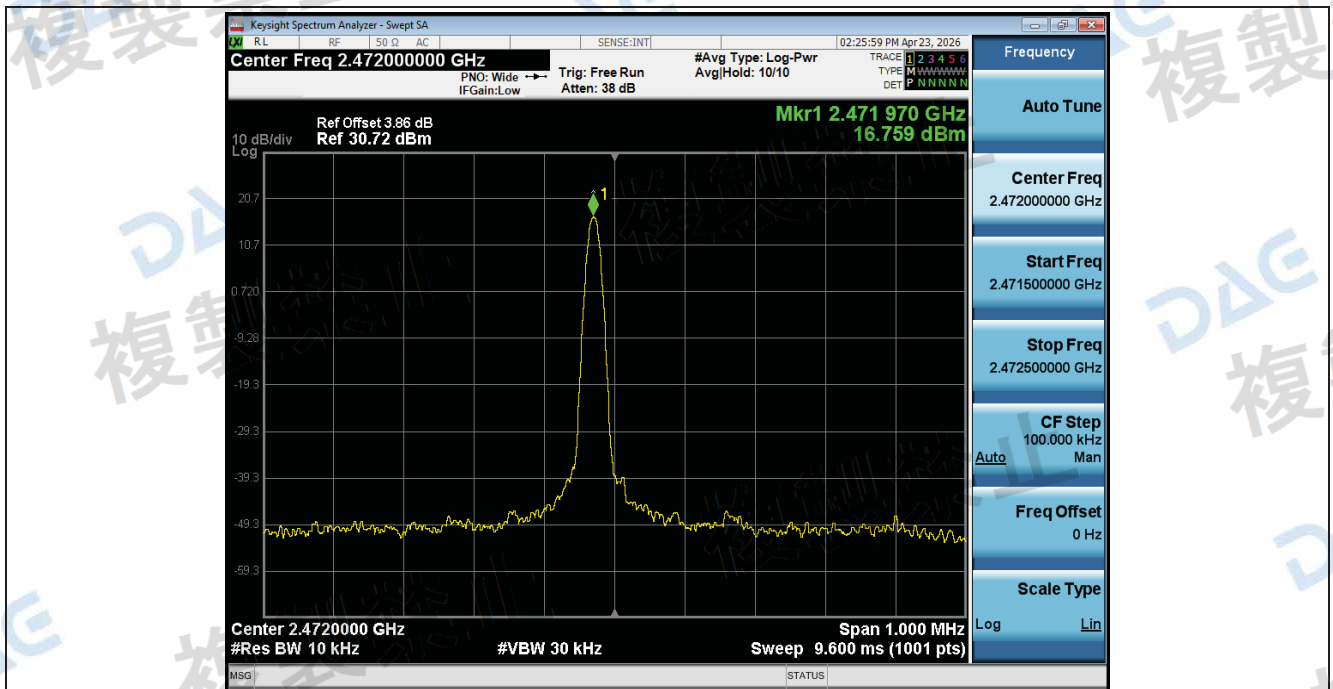
Frequency_Tolerance_NTHV_ANT1_802_11ax(HE20)_2442



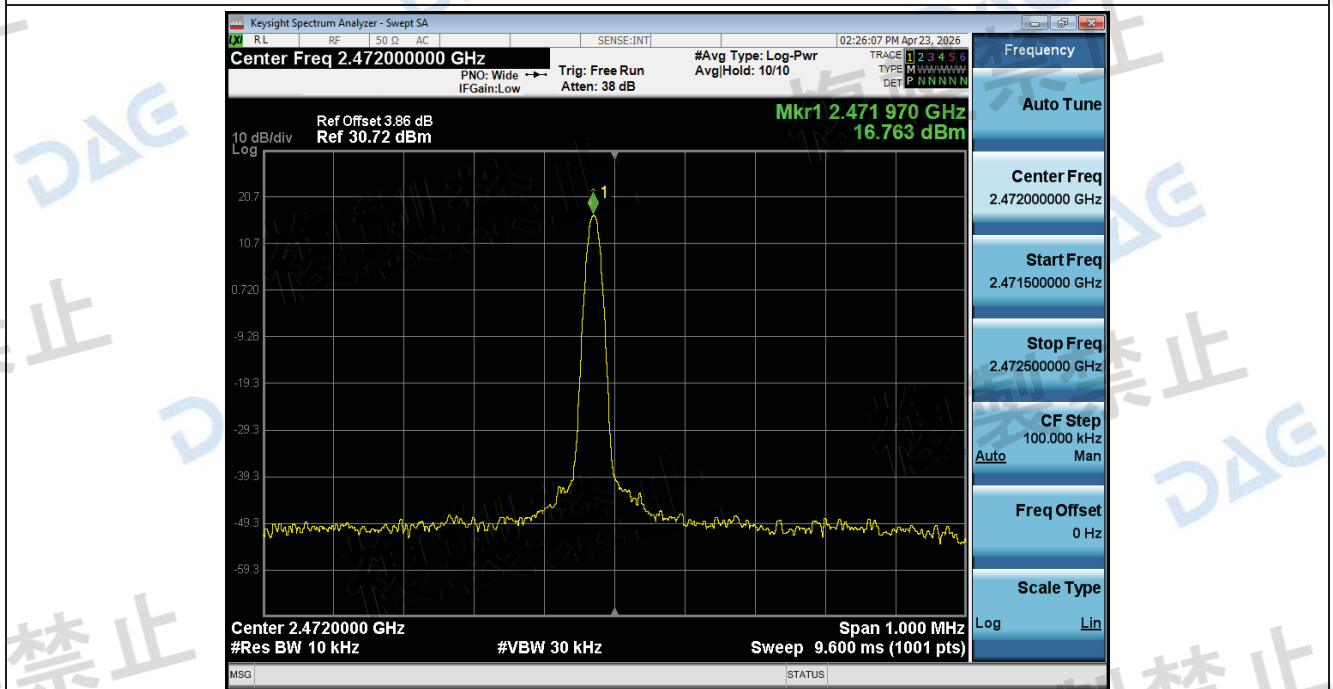
Frequency_Tolerance_NTNV_ANT1_802_11ax(HE20)_2472



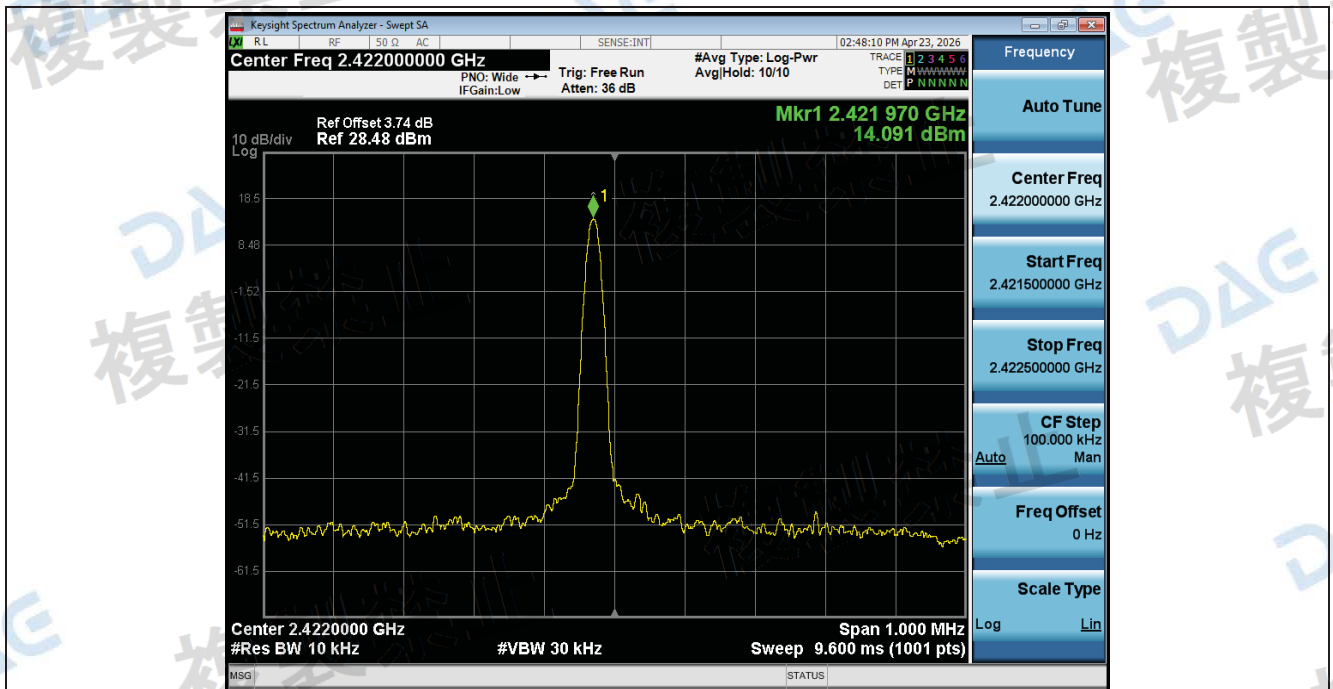
Frequency_Tolerance_NTLV_ANT1_802_11ax(HE20)_2472



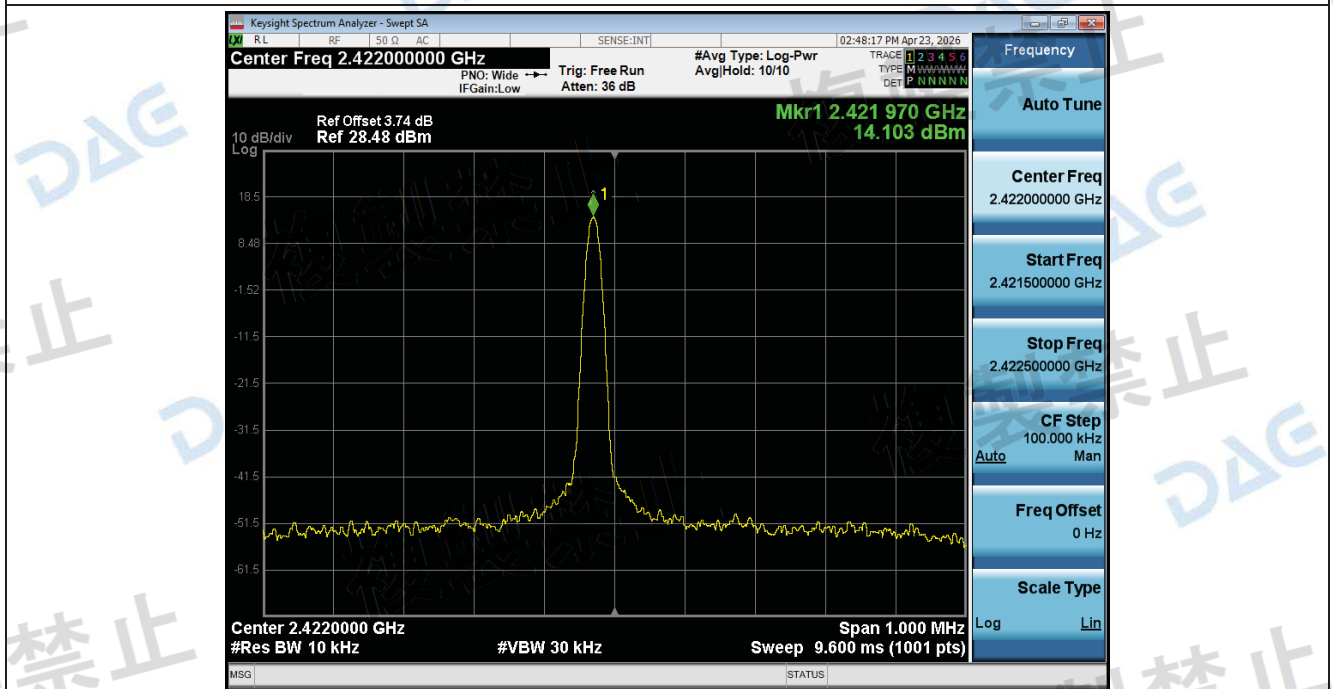
Frequency_Tolerance_NTHV_ANT1_802_11ax(HE20)_2472



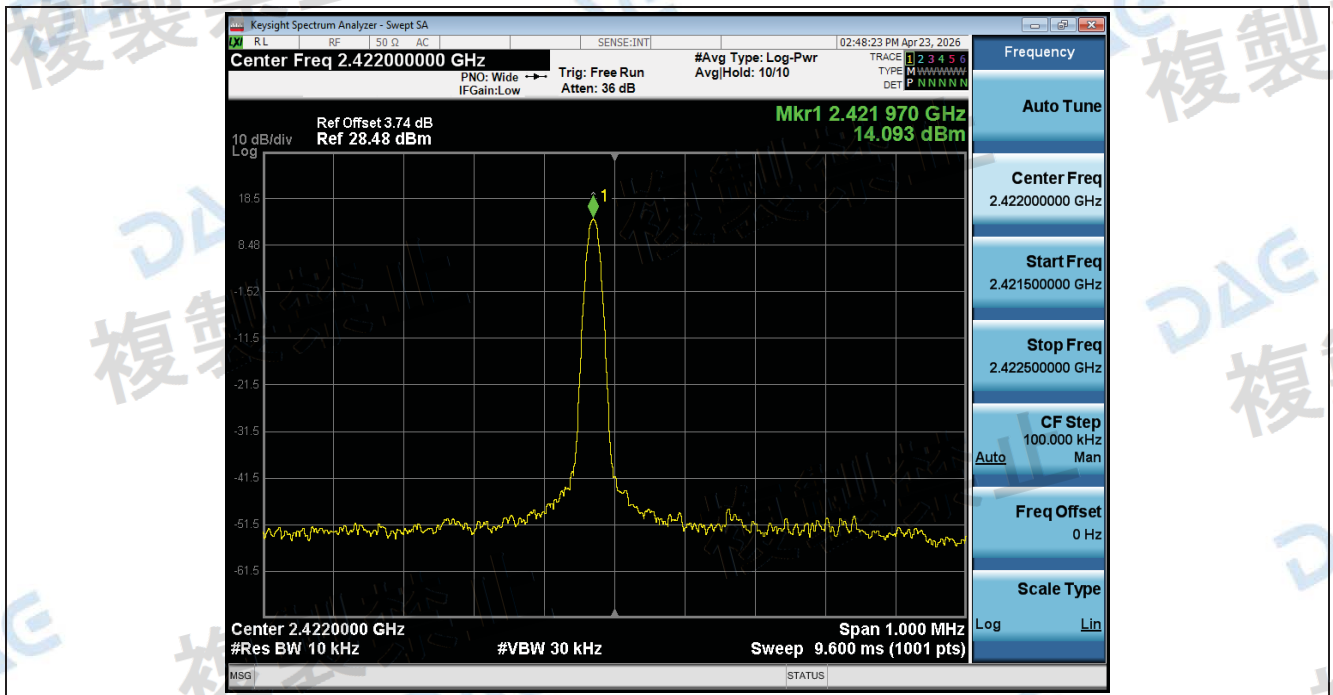
Frequency_Tolerance_NTNV_ANT1_802_11n(HT40)_2422



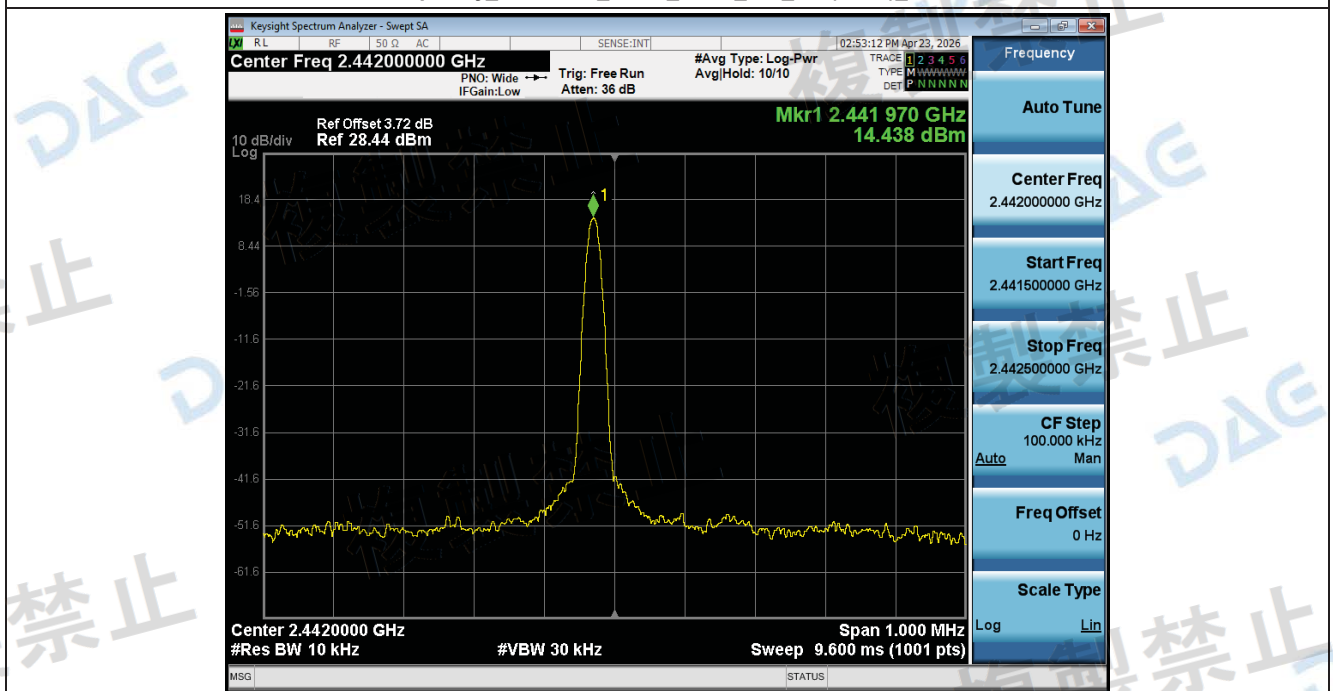
Frequency_Tolerance_NTLV_ANT1_802_11n(HT40)_2422



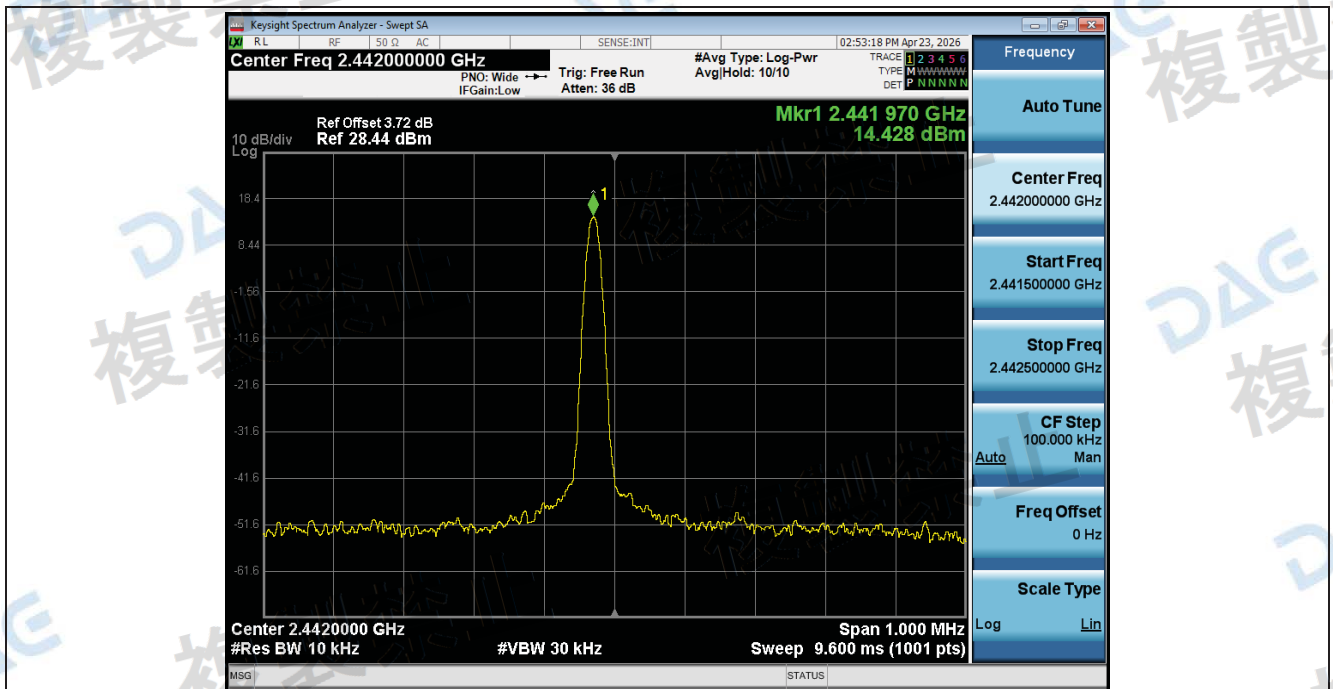
Frequency_Tolerance_NTHV_ANT1_802_11n(HT40)_2422



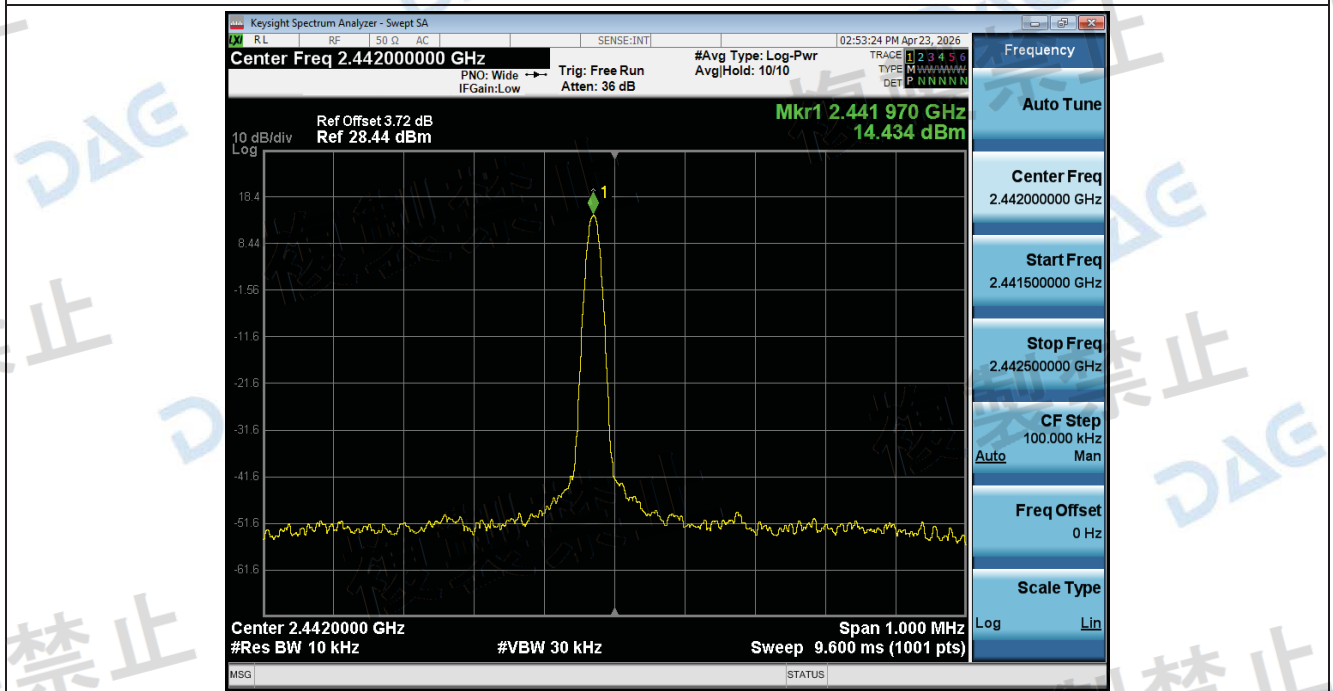
Frequency_Tolerance_NTNV_ANT1_802_11n(HT40)_2442



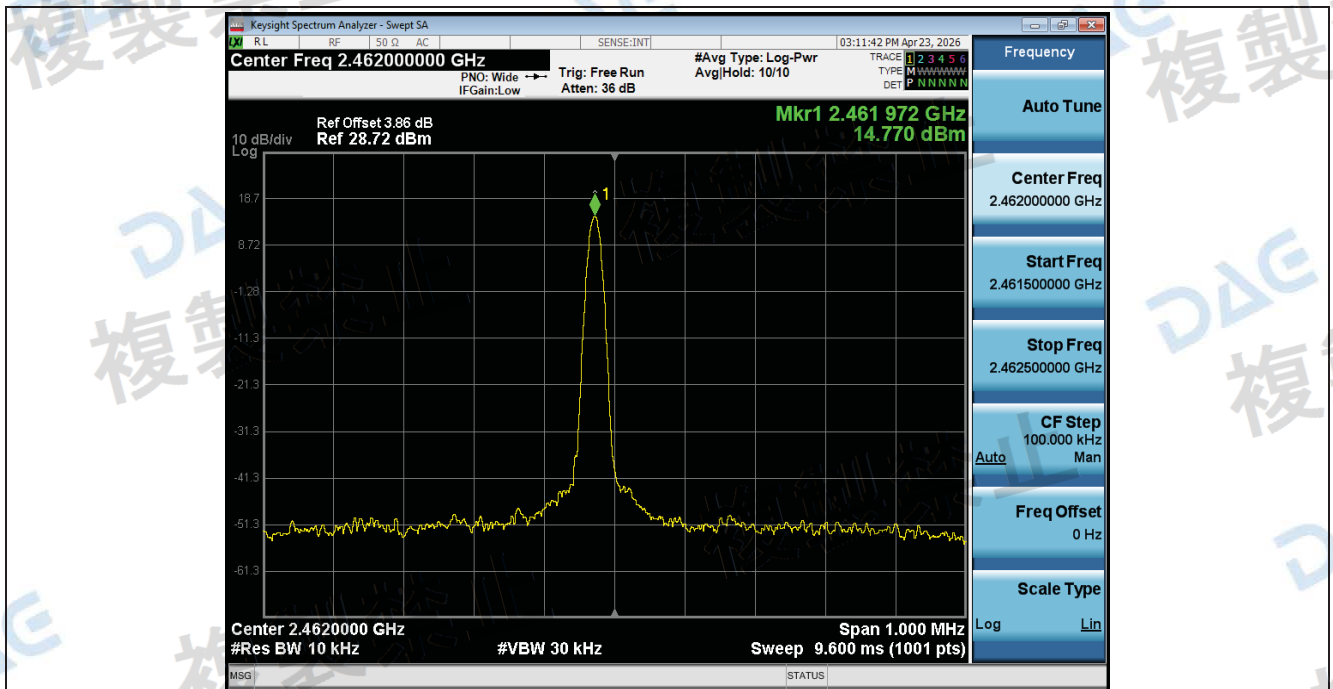
Frequency_Tolerance_NTLV_ANT1_802_11n(HT40)_2442



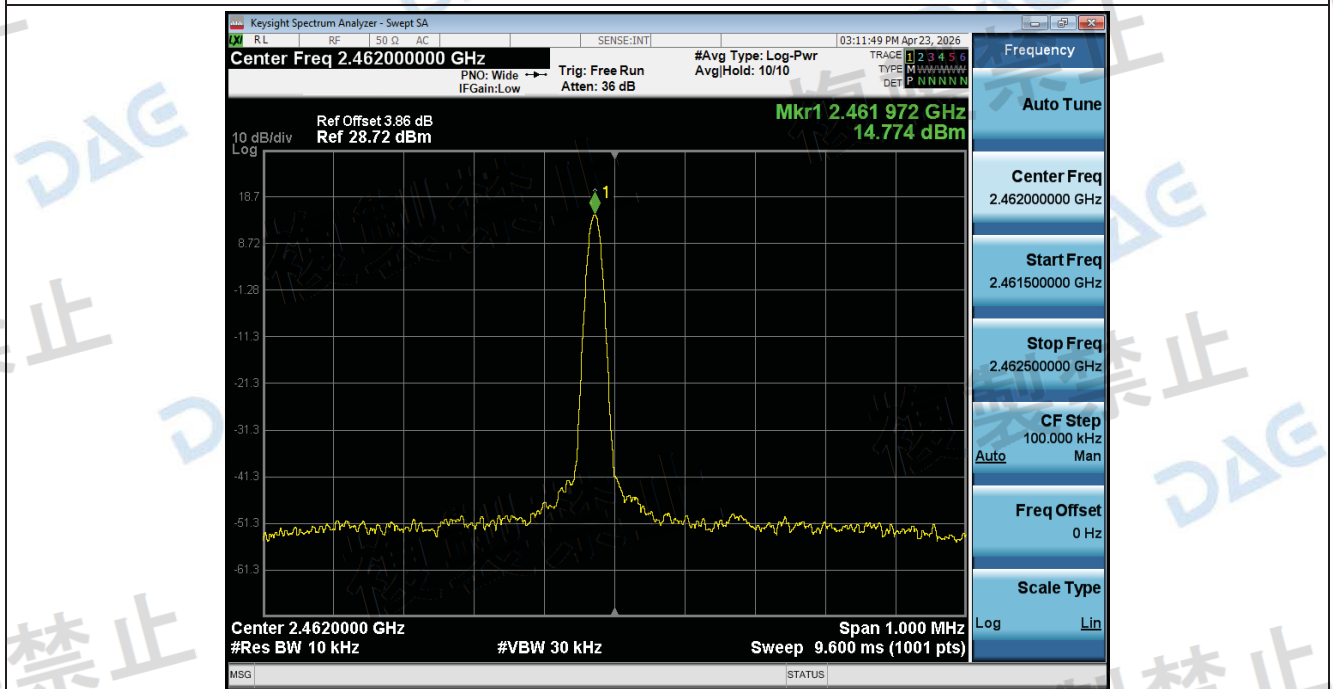
Frequency_Tolerance_NTHV_ANT1_802_11n(HT40)_2442



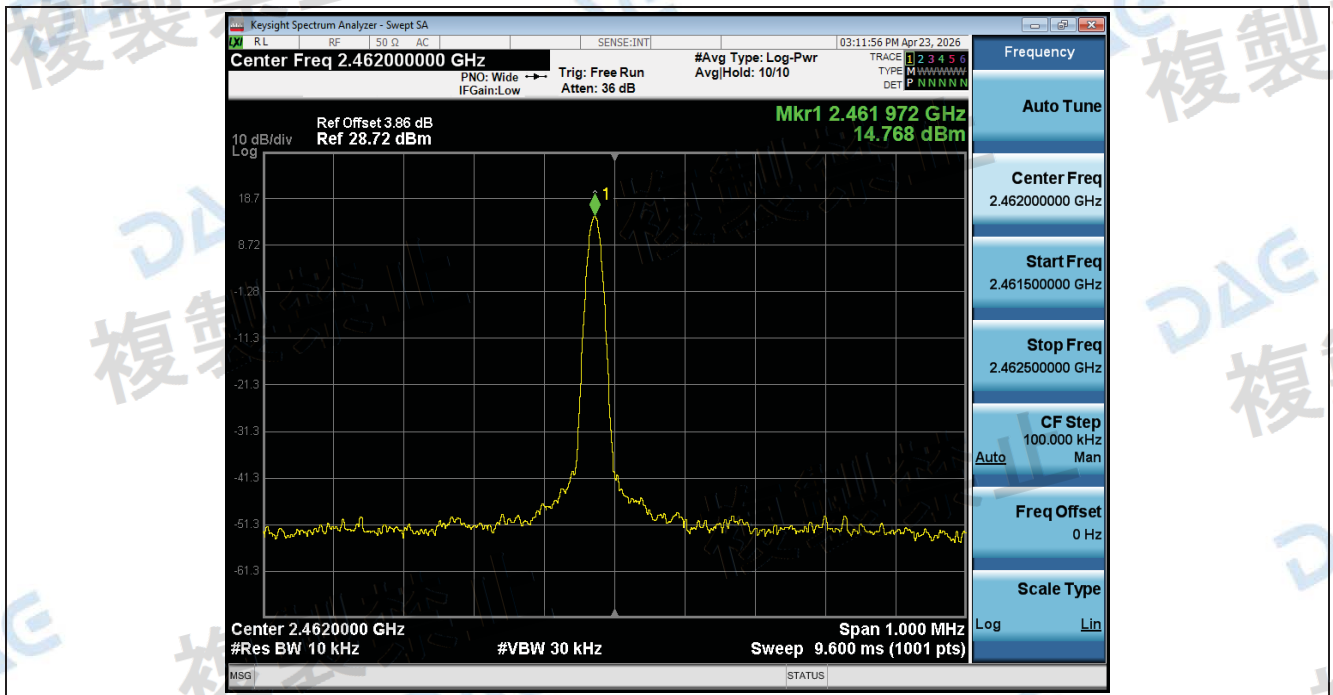
Frequency_Tolerance_NTNV_ANT1_802_11n(HT40)_2462



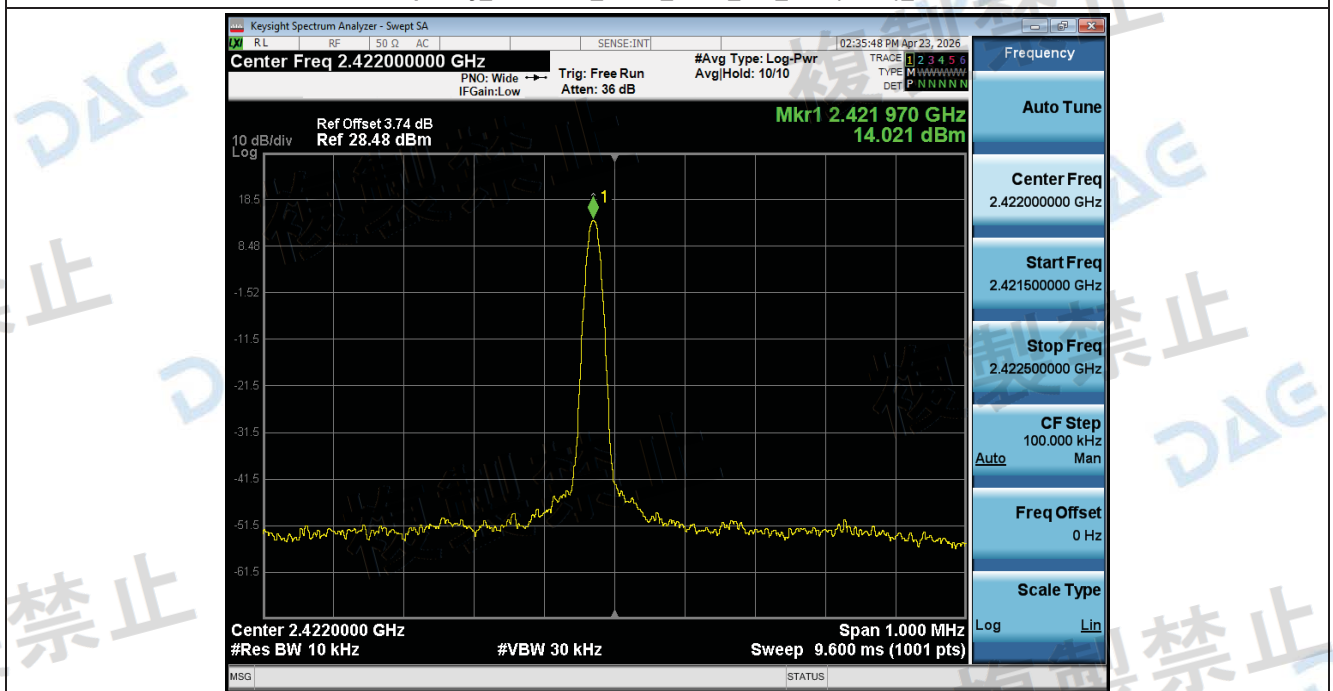
Frequency_Tolerance_NTLV_ANT1_802_11n(HT40)_2462



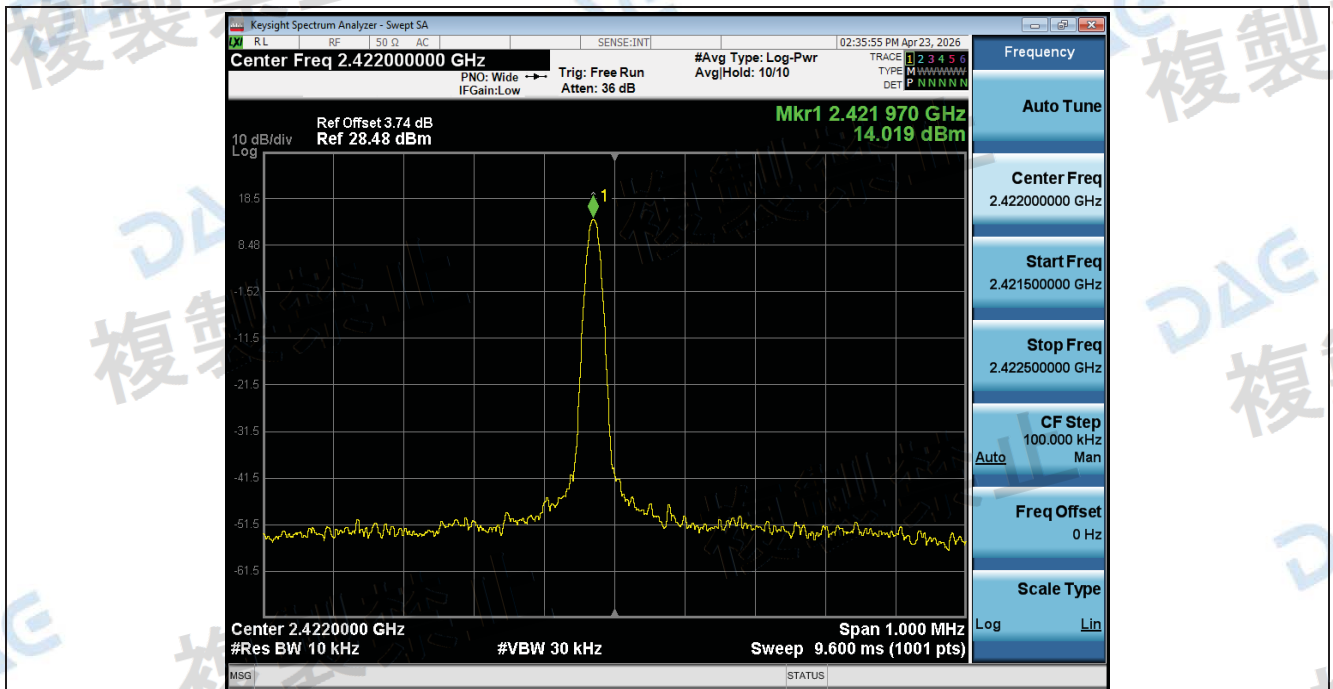
Frequency_Tolerance_NTHV_ANT1_802_11n(HT40)_2462



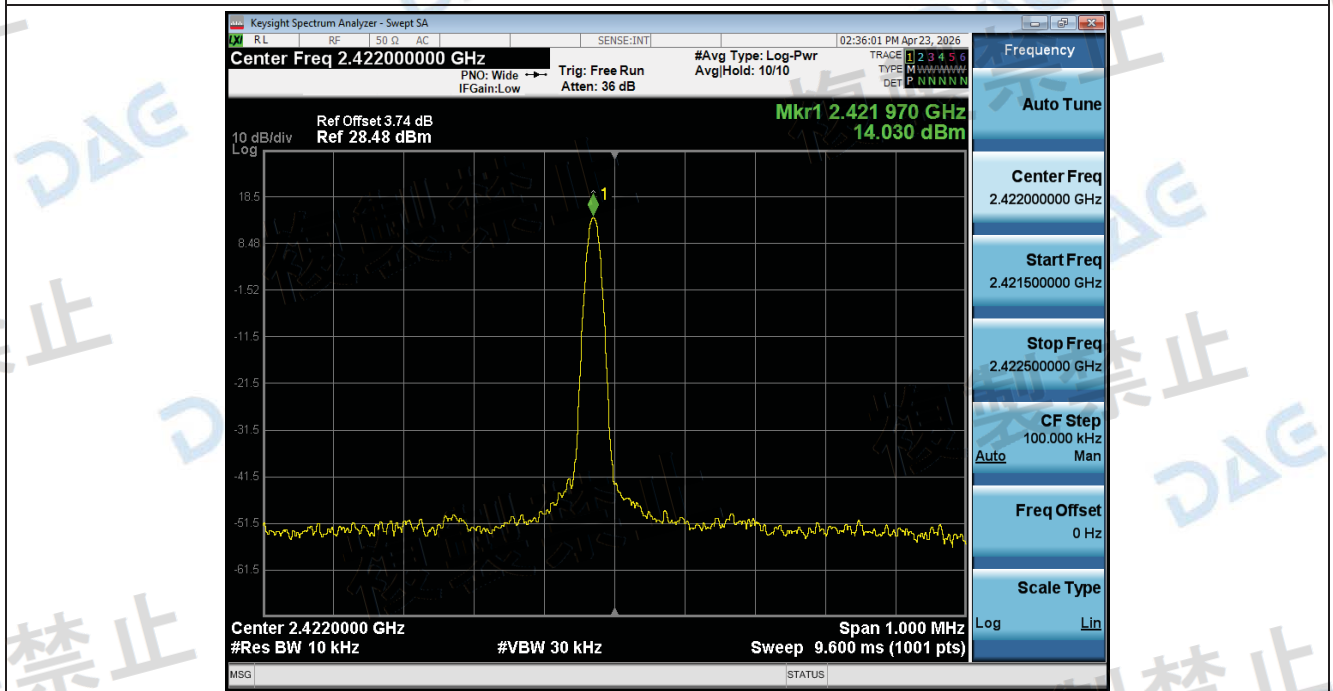
Frequency_Tolerance_NTNV_ANT1_802_11ax(HE40)_2422



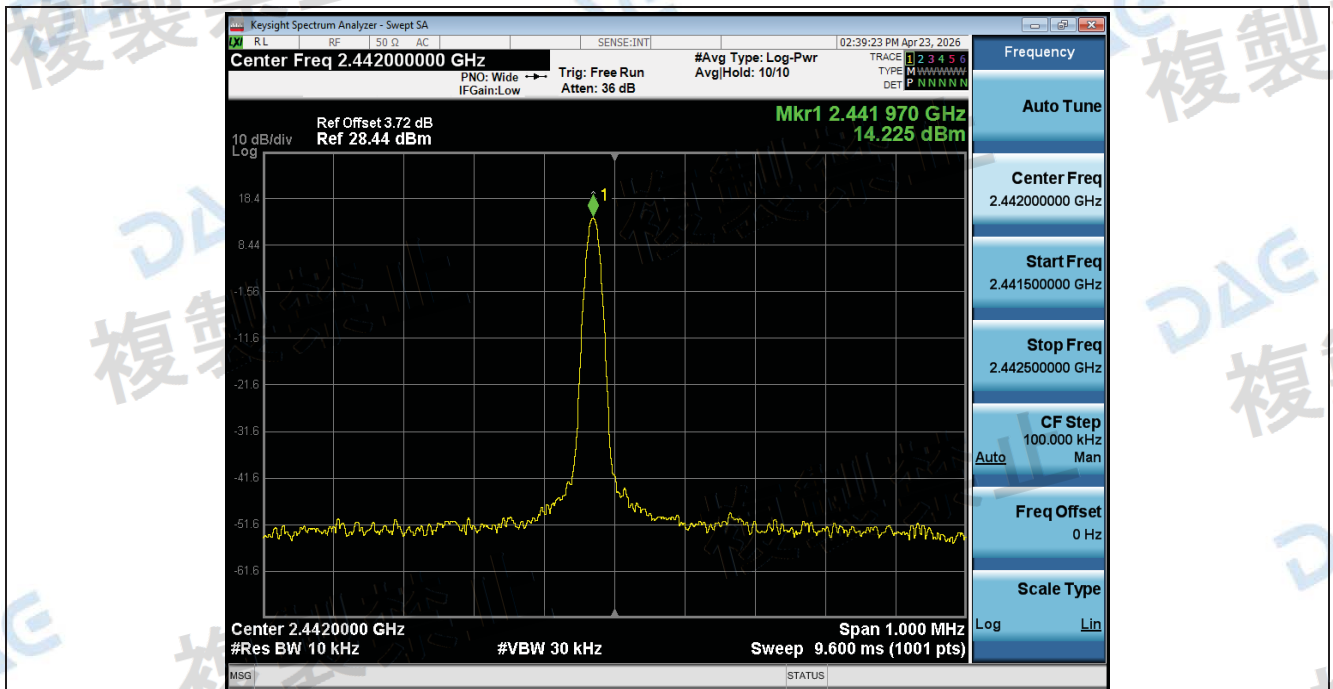
Frequency_Tolerance_NTLV_ANT1_802_11ax(HE40)_2422



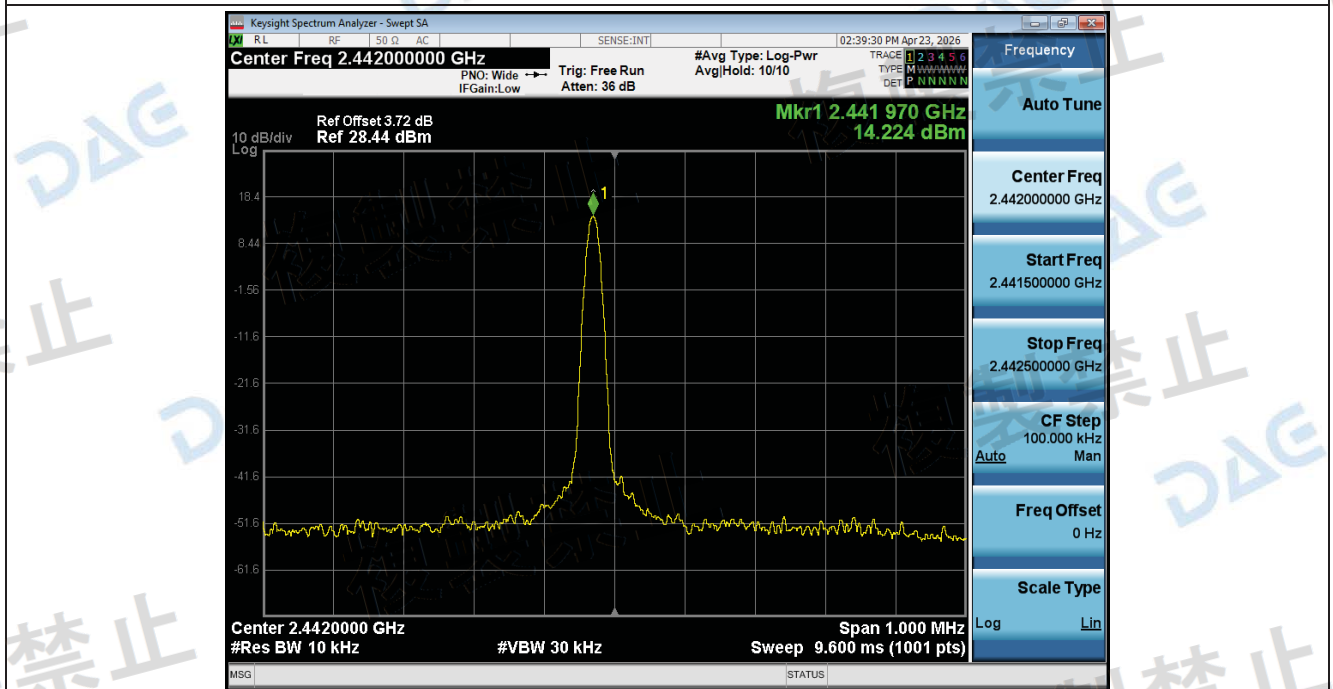
Frequency_Tolerance_NTHV_ANT1_802_11ax(HE40)_2422



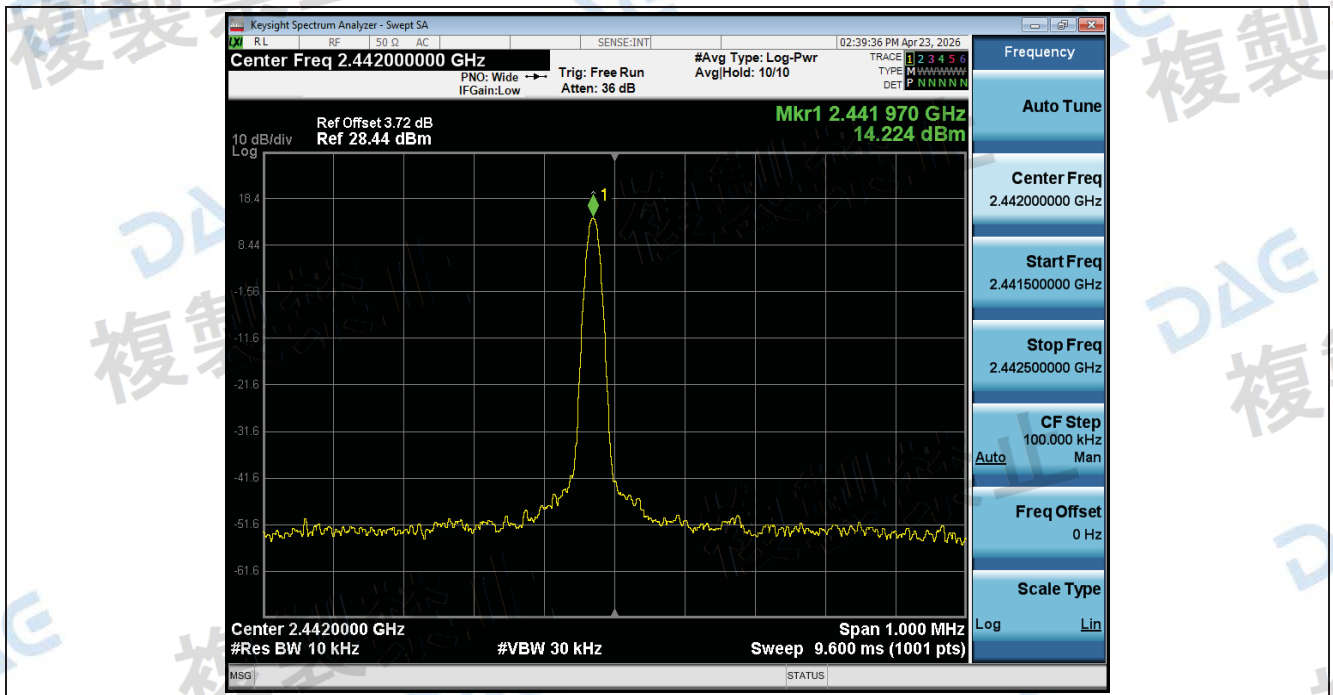
Frequency_Tolerance_NTNV_ANT1_802_11ax(HE40)_2442



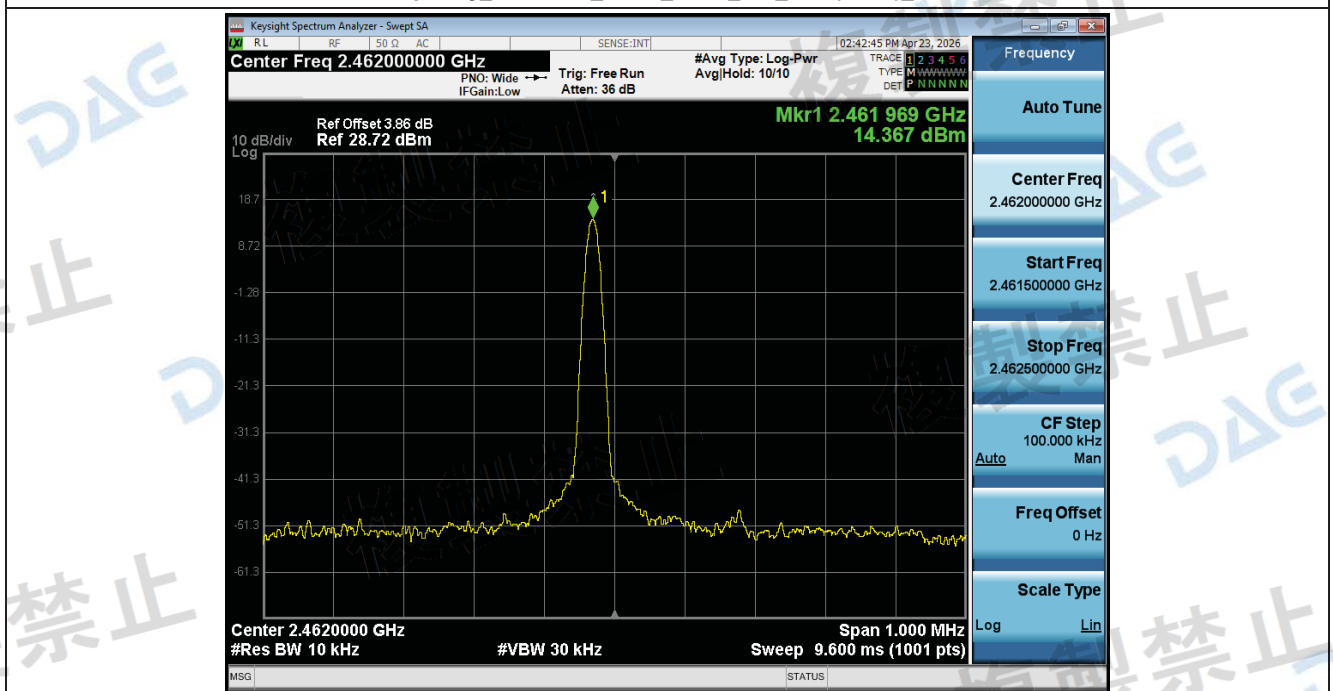
Frequency_Tolerance_NTLV_ANT1_802_11ax(HE40)_2442



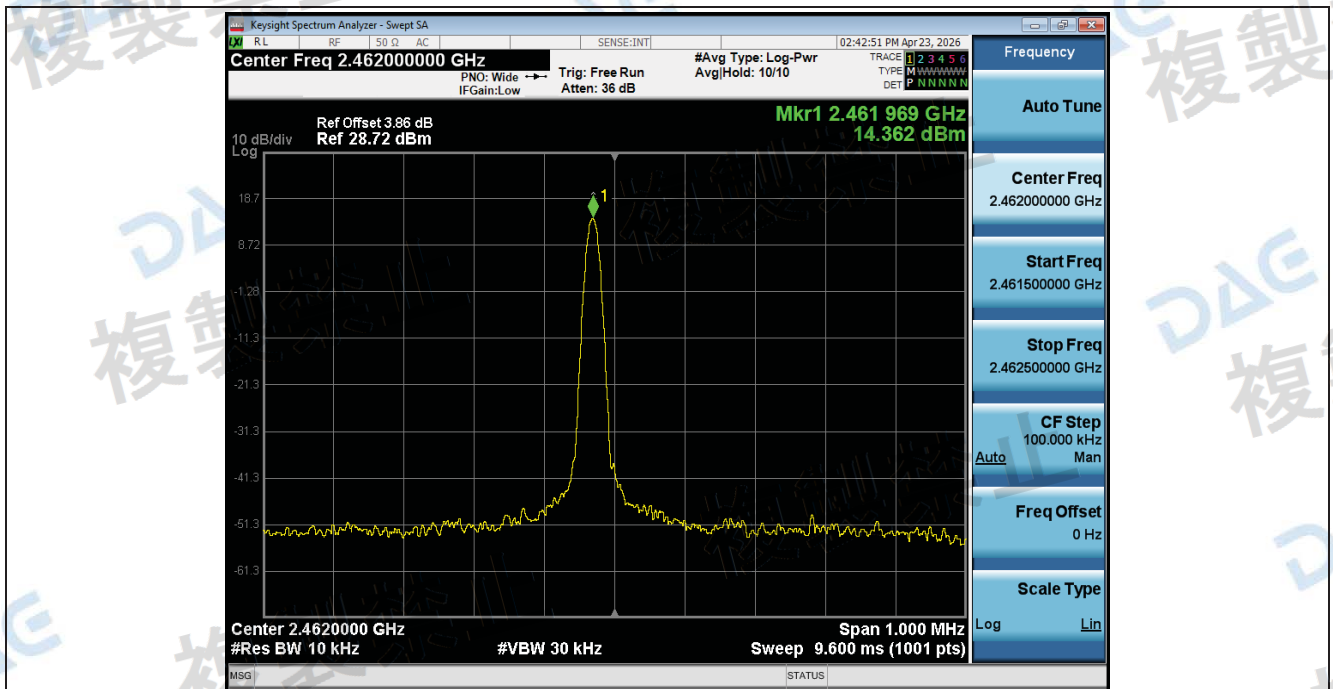
Frequency_Tolerance_NTHV_ANT1_802_11ax(HE40)_2442



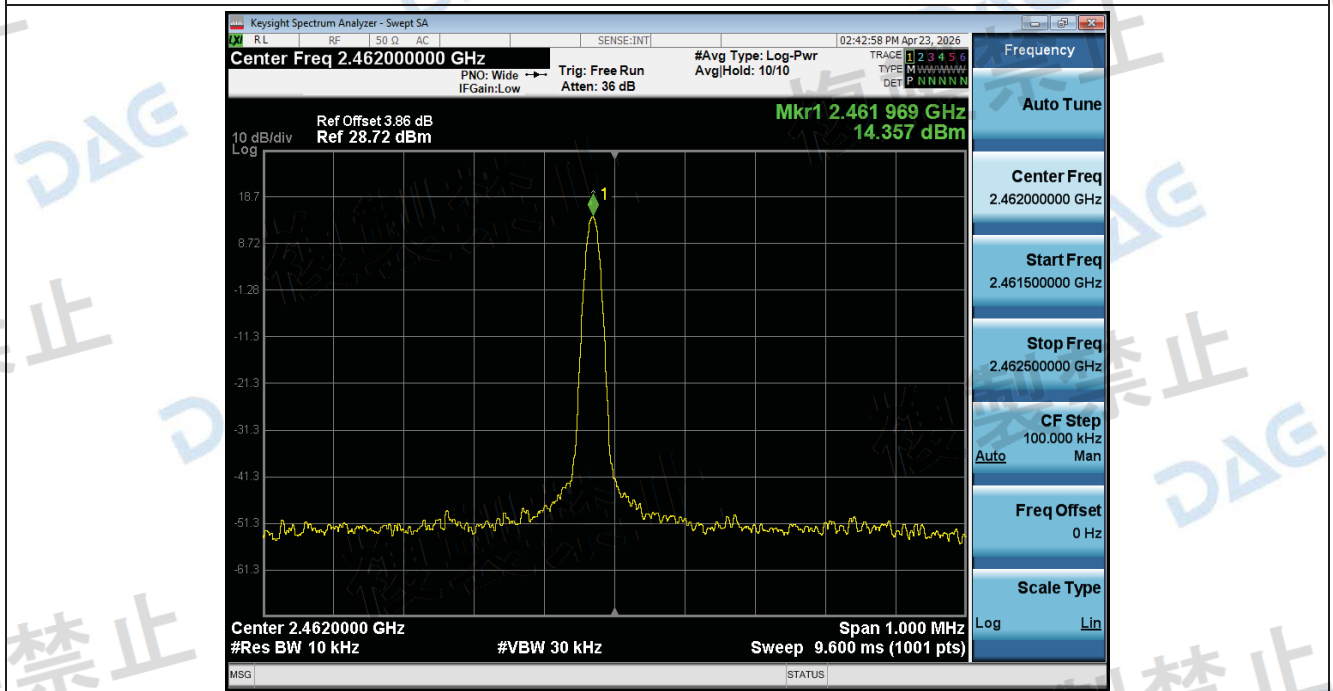
Frequency_Tolerance_NTNV_ANT1_802_11ax(HE40)_2462



Frequency_Tolerance_NTLV_ANT1_802_11ax(HE40)_2462



Frequency_Tolerance_NTHV_ANT1_802_11ax(HE40)_2462

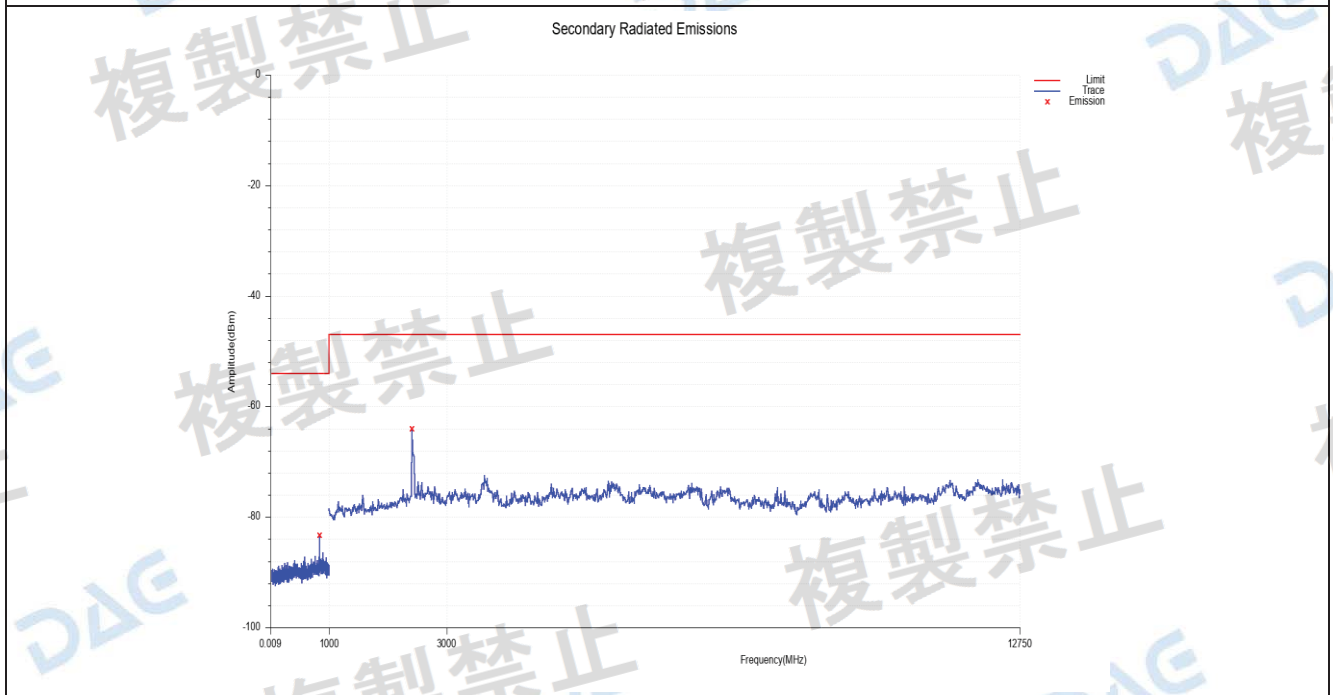


6. Secondary emission of radio wave

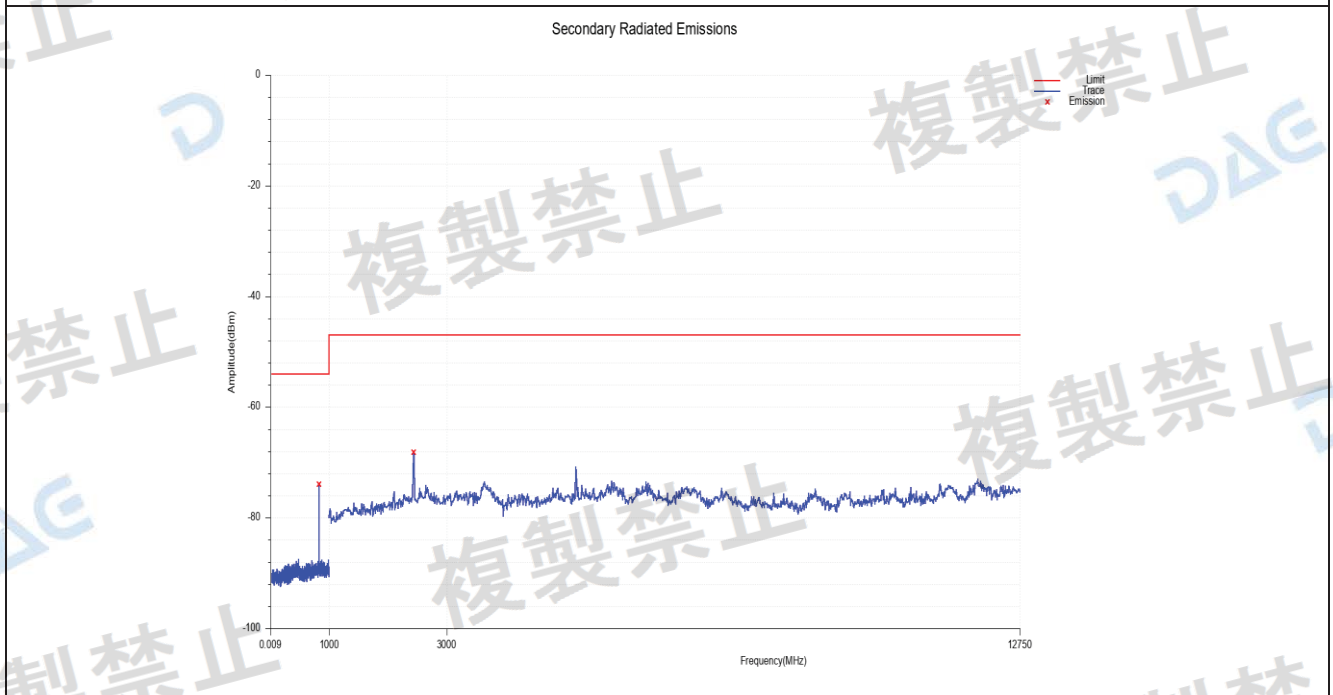
Condition	ANT	Mode	Channel	Range(MHz)	RBW(kHz)	Spur. Freq.(MHz)	Spur. Lev.(dBm)	Spur. Lev	Limit	Over 1/10 Limit	Read Lev.(dBm)	Read Lev.	Result
NVNT	ANT 1	802.11b	LCH	30.0~1000.0	100	834.13	-83.29	0.0046nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11b	LCH	1000.0~1275.0	1000	2410.00	-64.10	0.3894nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11b	MCH	30.0~1000.0	100	827.34	-73.99	0.0399nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11b	MCH	1000.0~1275.0	1000	2433.50	-68.17	0.1523nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11b	HCH	30.0~1000.0	100	825.40	-68.27	0.1489nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11b	HCH	1000.0~1275.0	1000	2421.75	-59.64	1.0871nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11g	LCH	30.0~1000.0	100	798.24	-87.47	0.0017nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11g	LCH	1000.0~1275.0	1000	2433.50	-69.28	0.1180nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11g	MCH	30.0~1000.0	100	883.60	-86.77	0.0021nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11g	MCH	1000.0~1275.0	1000	1754.32	-52.62	5.4738nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11g	HCH	30.0~1000.0	100	859.35	-86.51	0.0022nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11g	HCH	1000.0~1275.0	1000	1728.96	-52.19	6.0429nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT20)	LCH	30.0~1000.0	100	982.54	-86.79	0.0020nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT20)	LCH	1000.0~1275.0	1000	2433.50	-67.23	0.1894nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT20)	MCH	30.0~1000.0	100	855.47	-87.17	0.0019nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT20)	MCH	1000.0~1275.0	1000	1754.24	-53.35	4.6266nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT20)	HCH	30.0~1000.0	100	897.18	-86.59	0.0021nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT20)	HCH	1000.0~1275.0	1000	1751.76	-43.06	49.4392nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11ax(HE20)	LCH	30.0~1000.0	100	705.12	-80.98	0.0079nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11ax(HE20)	LCH	1000.0~1275.0	1000	2433.50	-66.17	0.2416nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11ax(HE20)	MCH	30.0~1000.0	100	853.53	-87.43	0.0018nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11ax(HE20)	MCH	1000.0~1275.0	1000	2433.50	-69.15	0.1216nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11ax(HE20)	HCH	30.0~1000.0	100	902.03	-86.71	0.0021nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11ax(HE20)	HCH	1000.0~1275.0	1000	5206.50	-69.33	0.1165nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT40)	LCH	30.0~1000.0	100	366.59	-86.78	0.0021nW	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT40)	LCH	1000.0~1275.0	1000	3397.00	-66.44	0.2270nW	20nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT40)	MCH	30.0~1000.0	100	951.50	-87.25	0.0018nW	4nW	NO	/	/	Pass

NVNT	ANT 1	802.11n(HT40)	MCH	1000.0~1275 0.0	1000	2433.50	-68.16	0.1526n W	20n W	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT40)	HCH	30.0~1000.0	100	675.05	-87.31	0.0018n W	4nW	NO	/	/	Pass
NVNT	ANT 1	802.11n(HT40)	HCH	1000.0~1275 0.0	1000	2433.50	-67.79	0.1662n W	20n W	NO	/	/	Pass

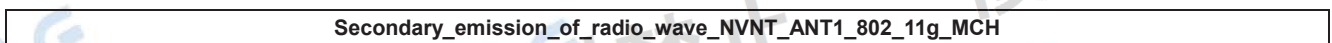
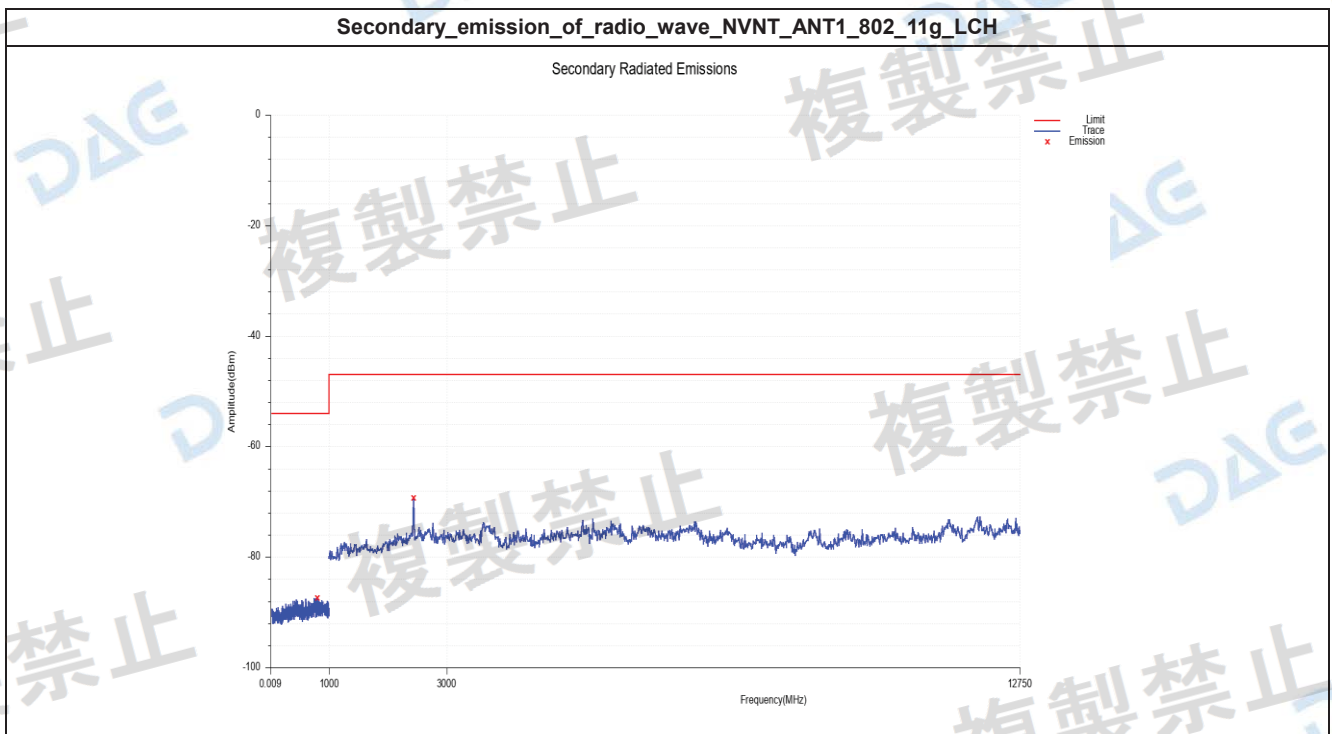
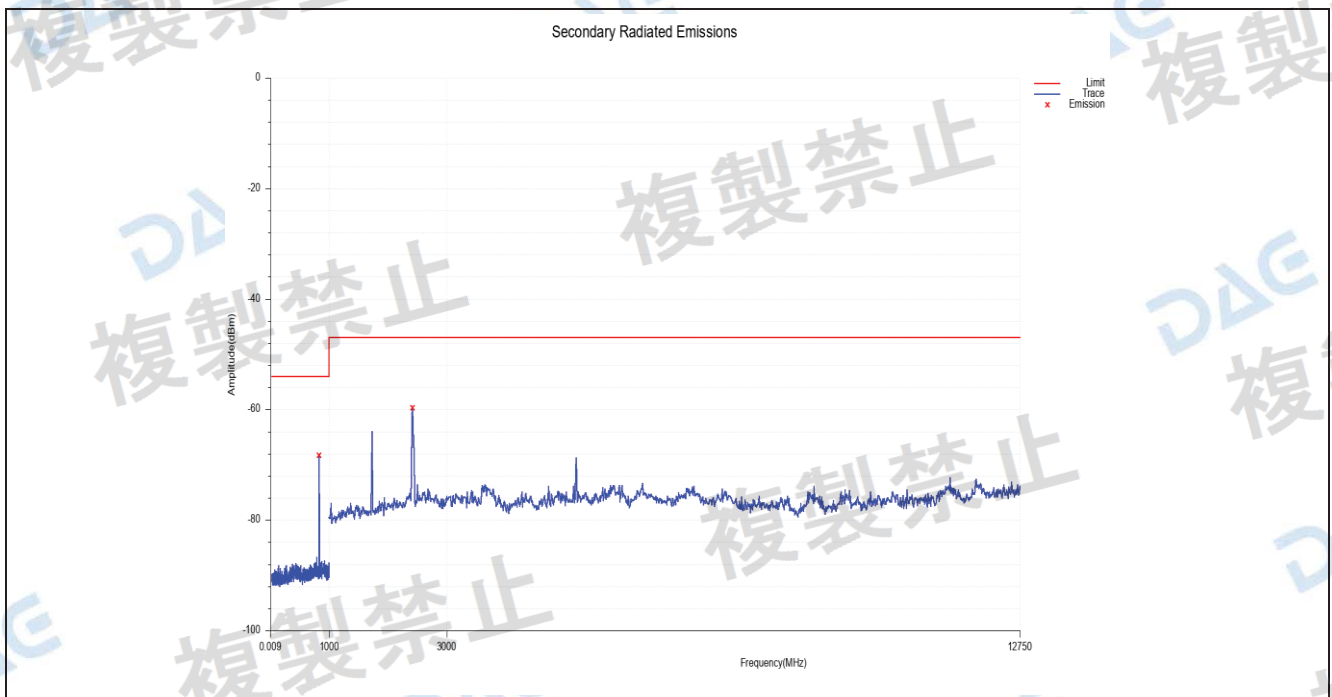
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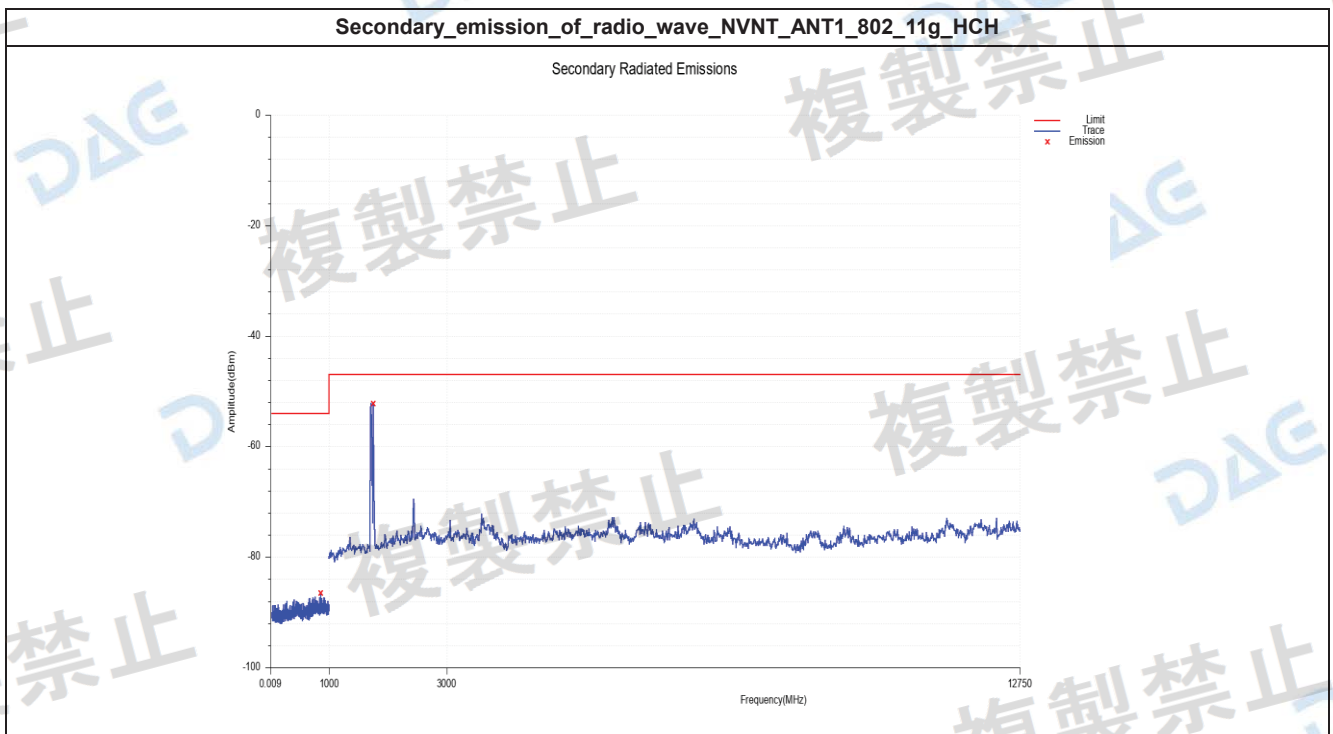
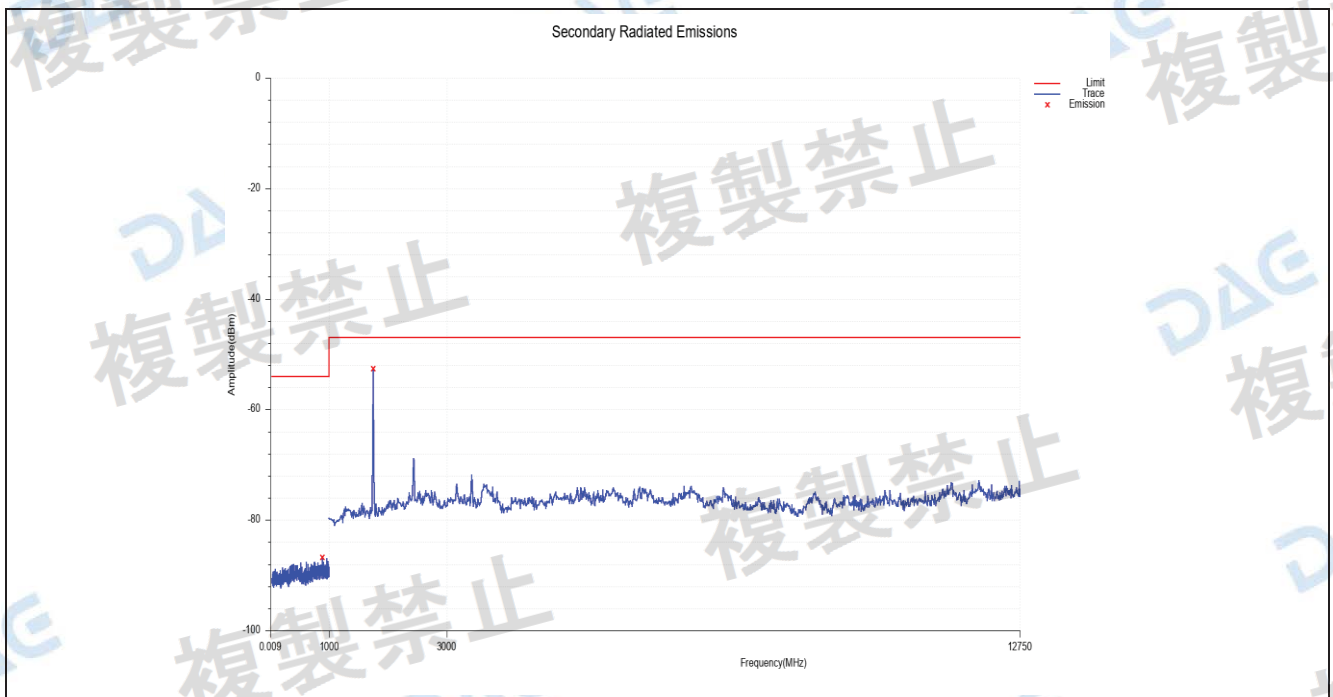


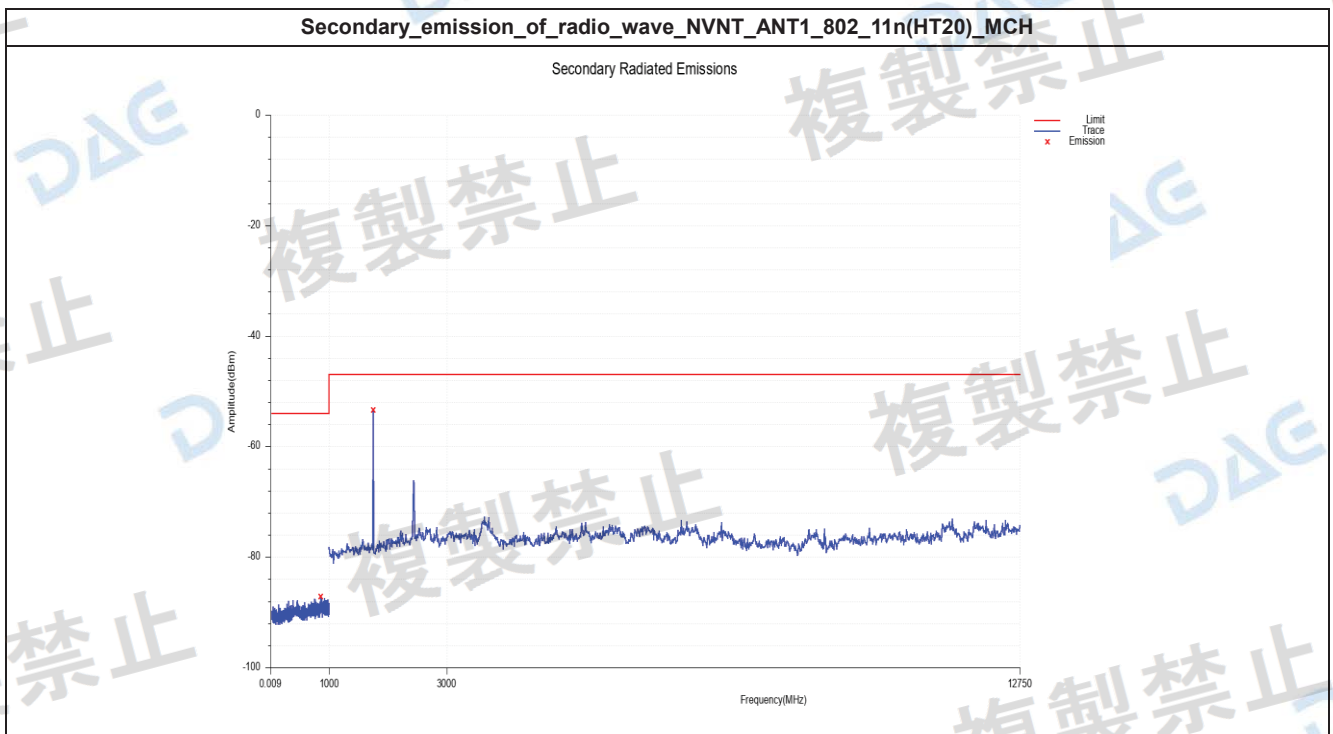
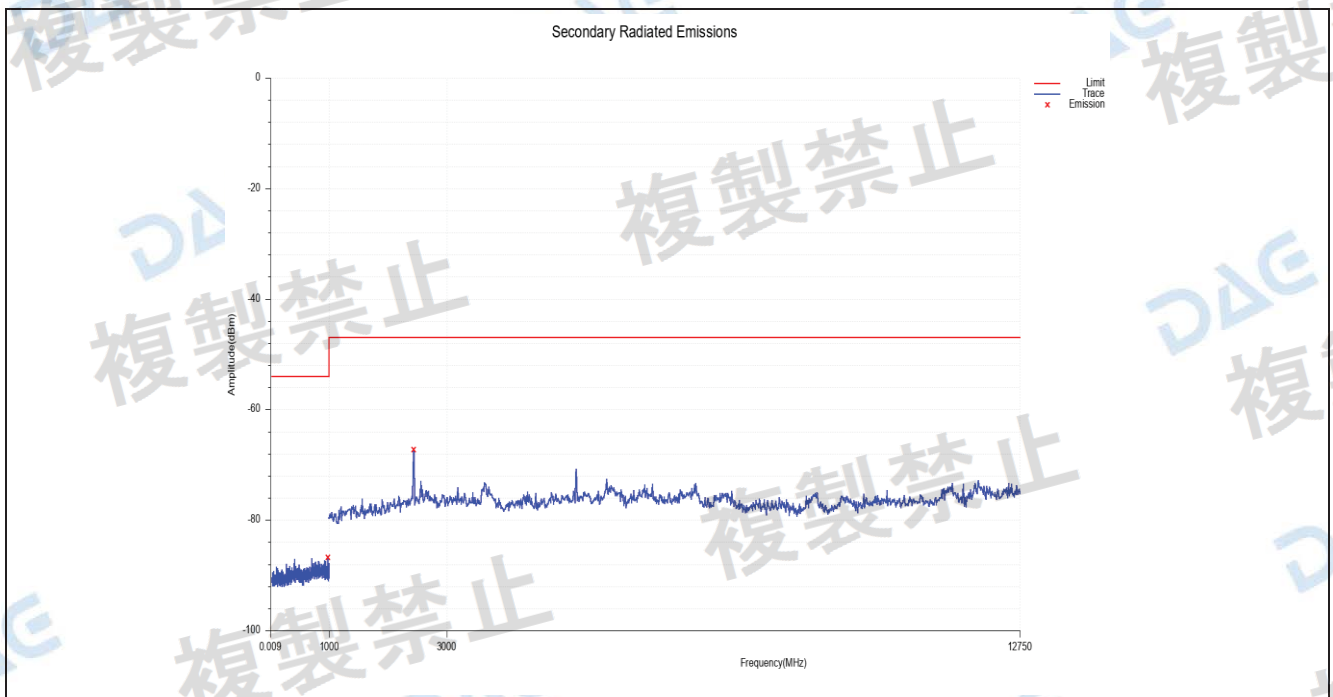
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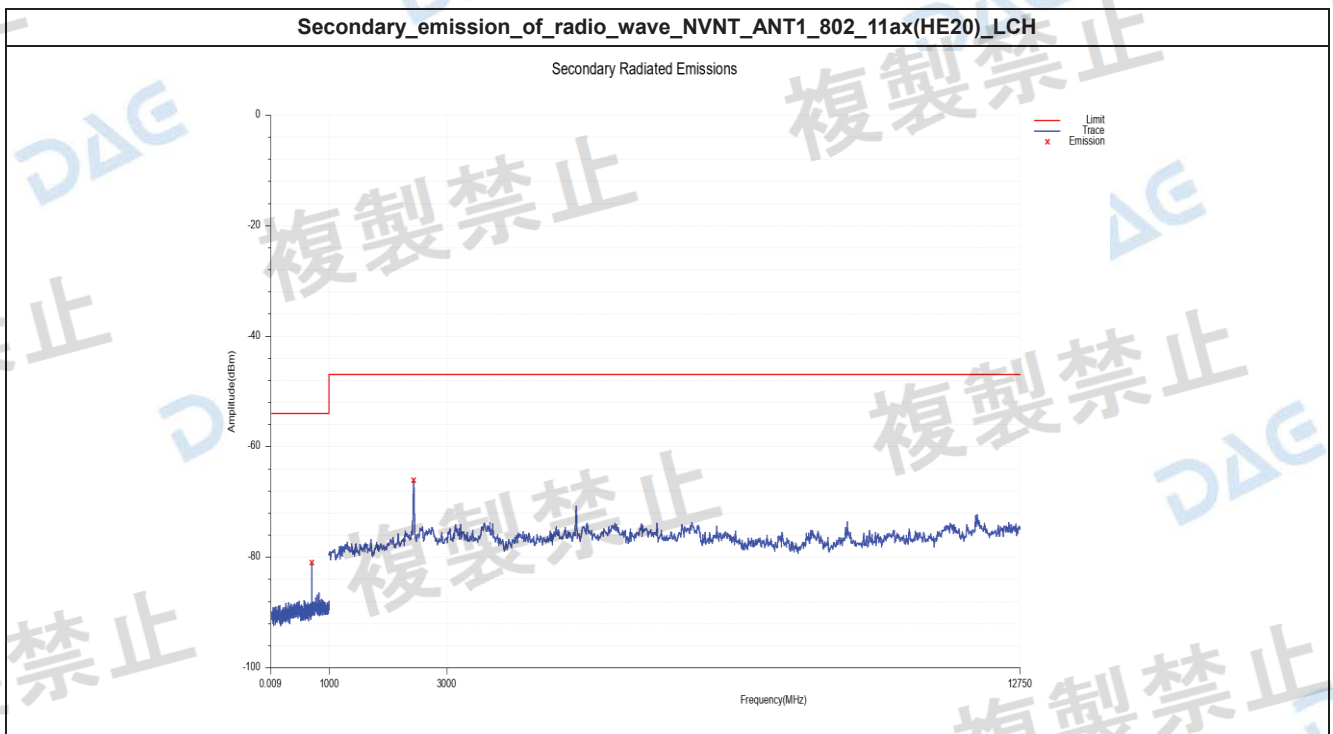
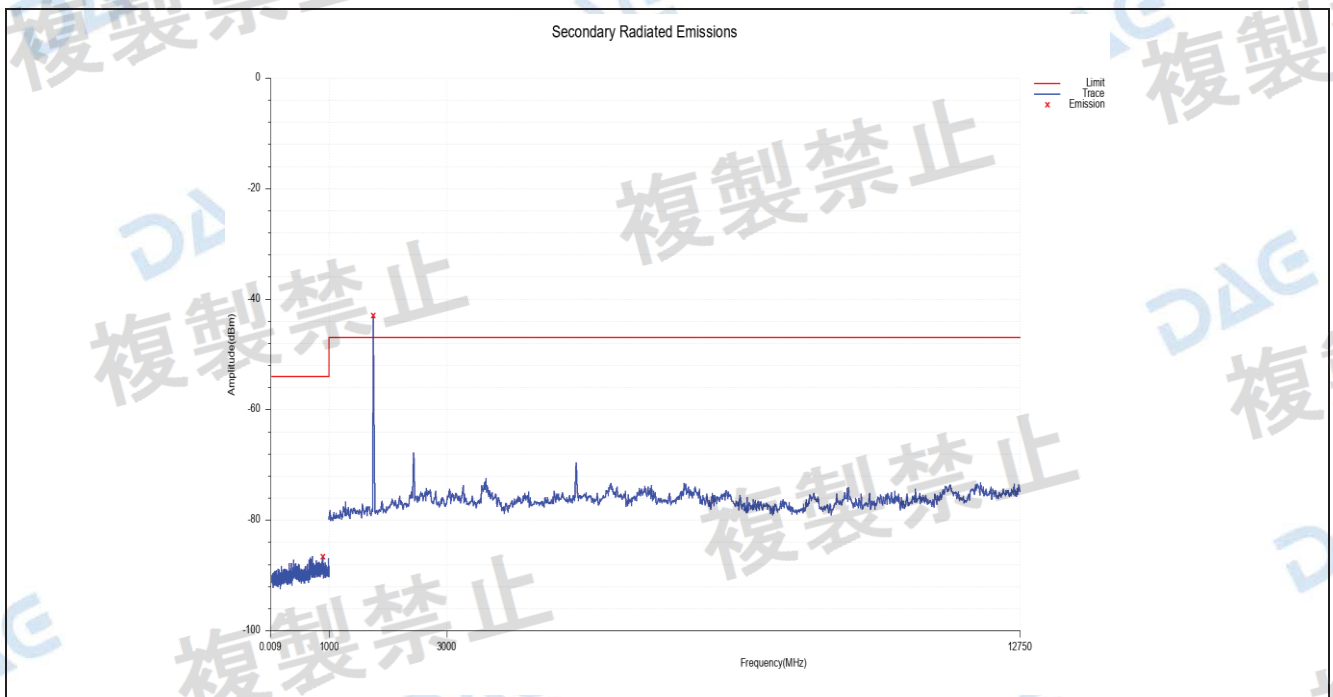


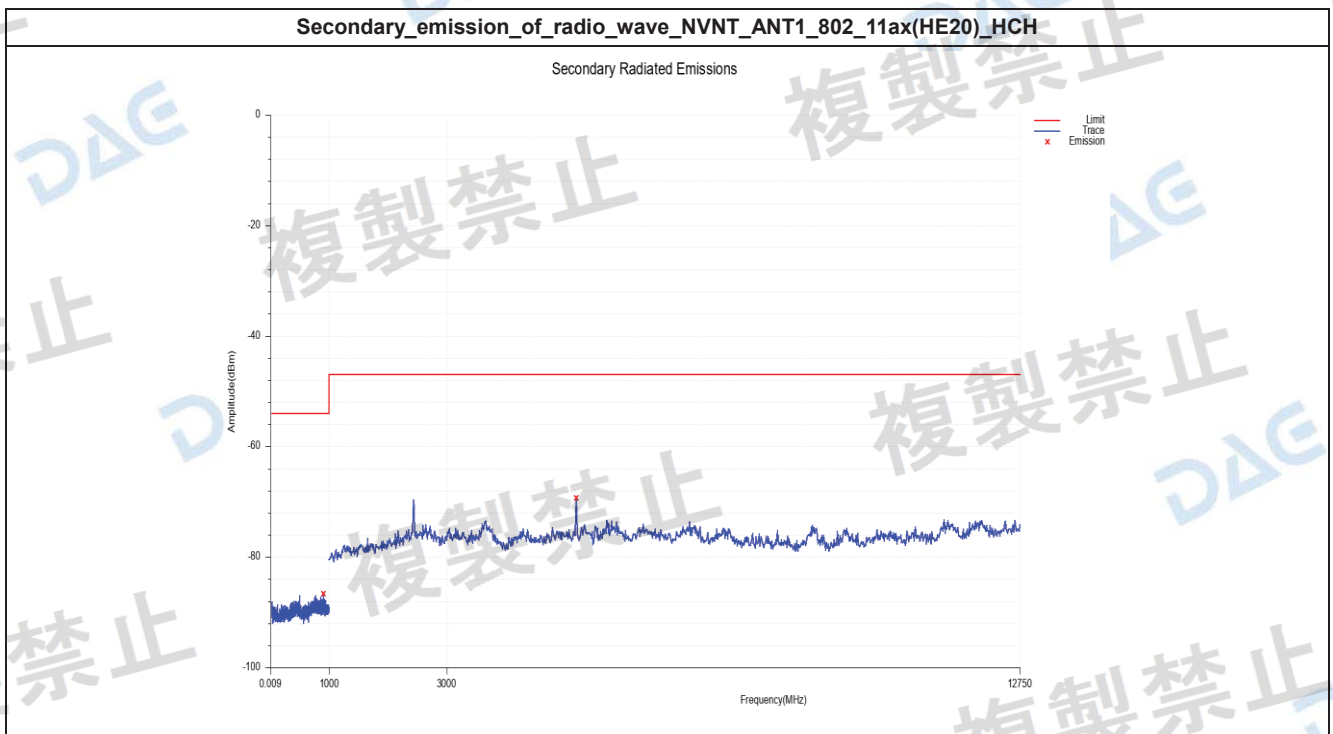
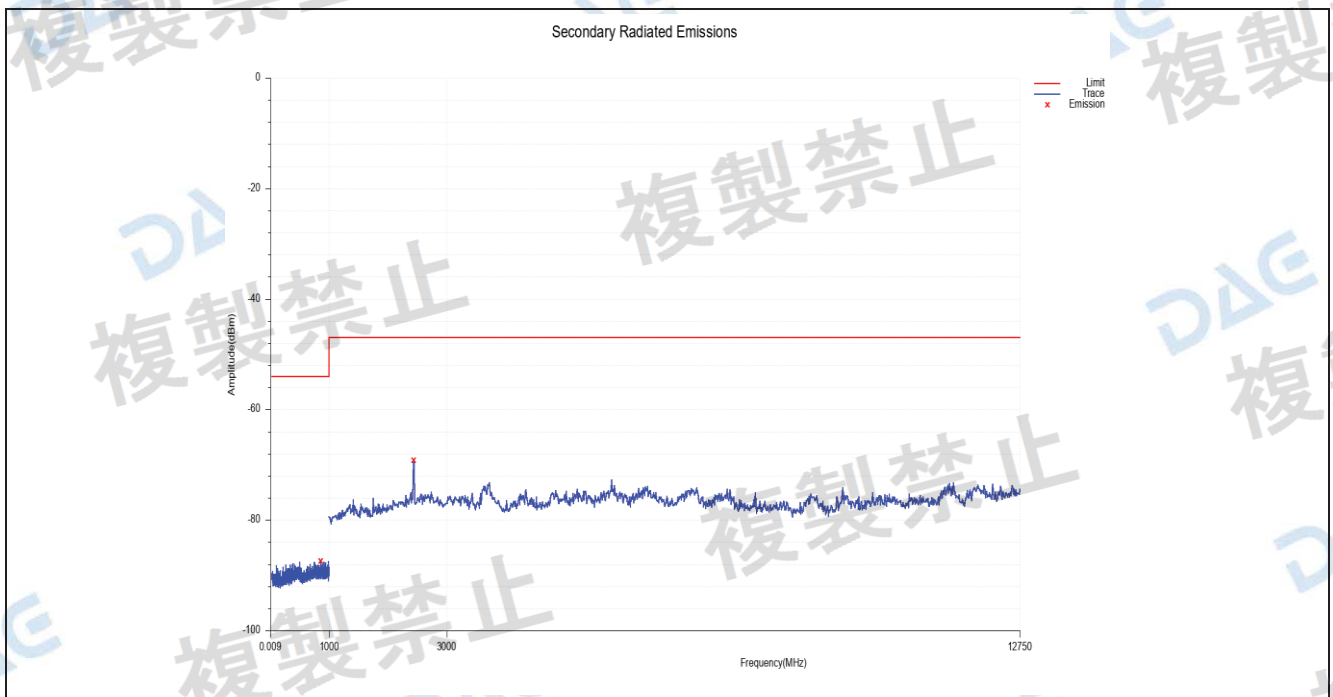
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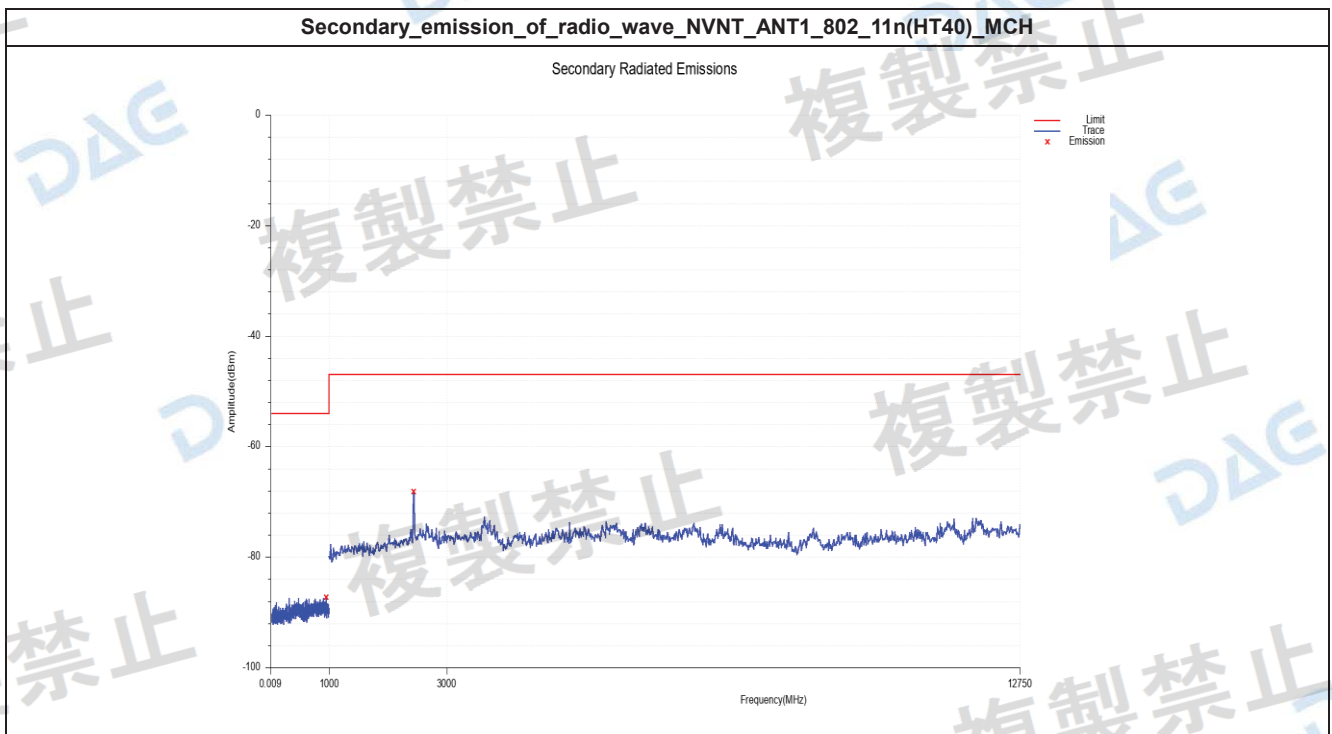
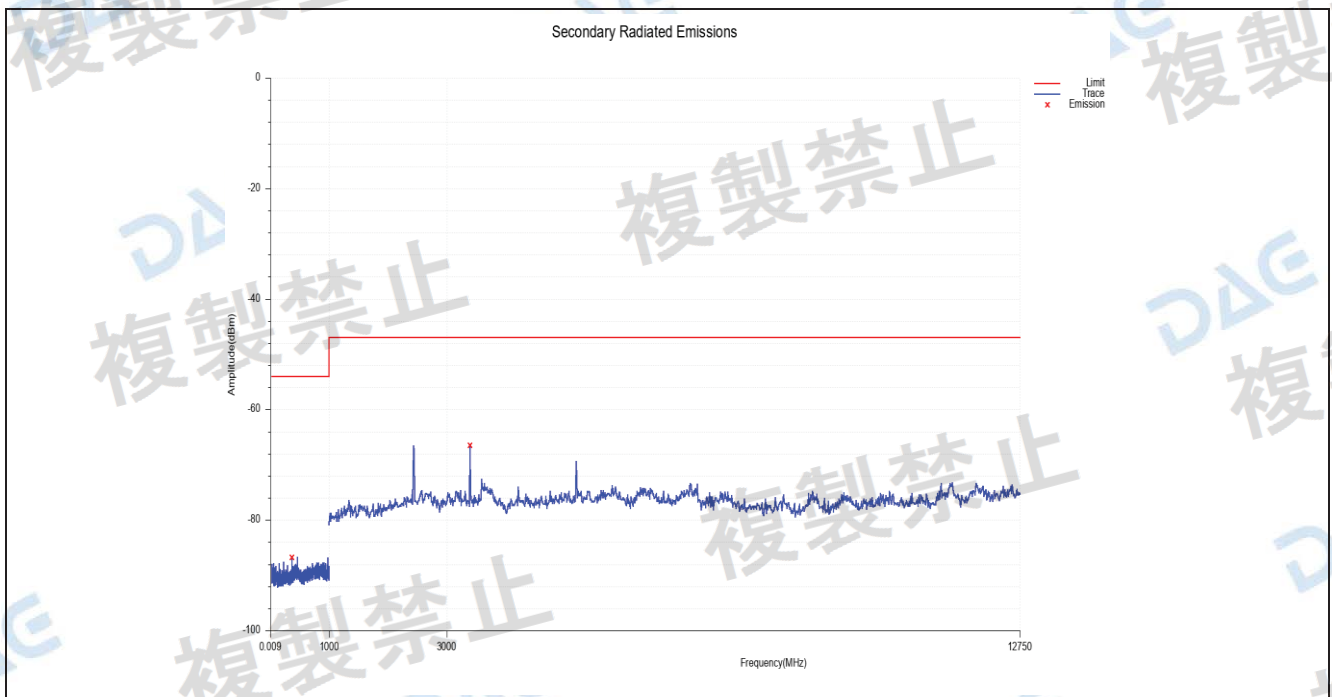


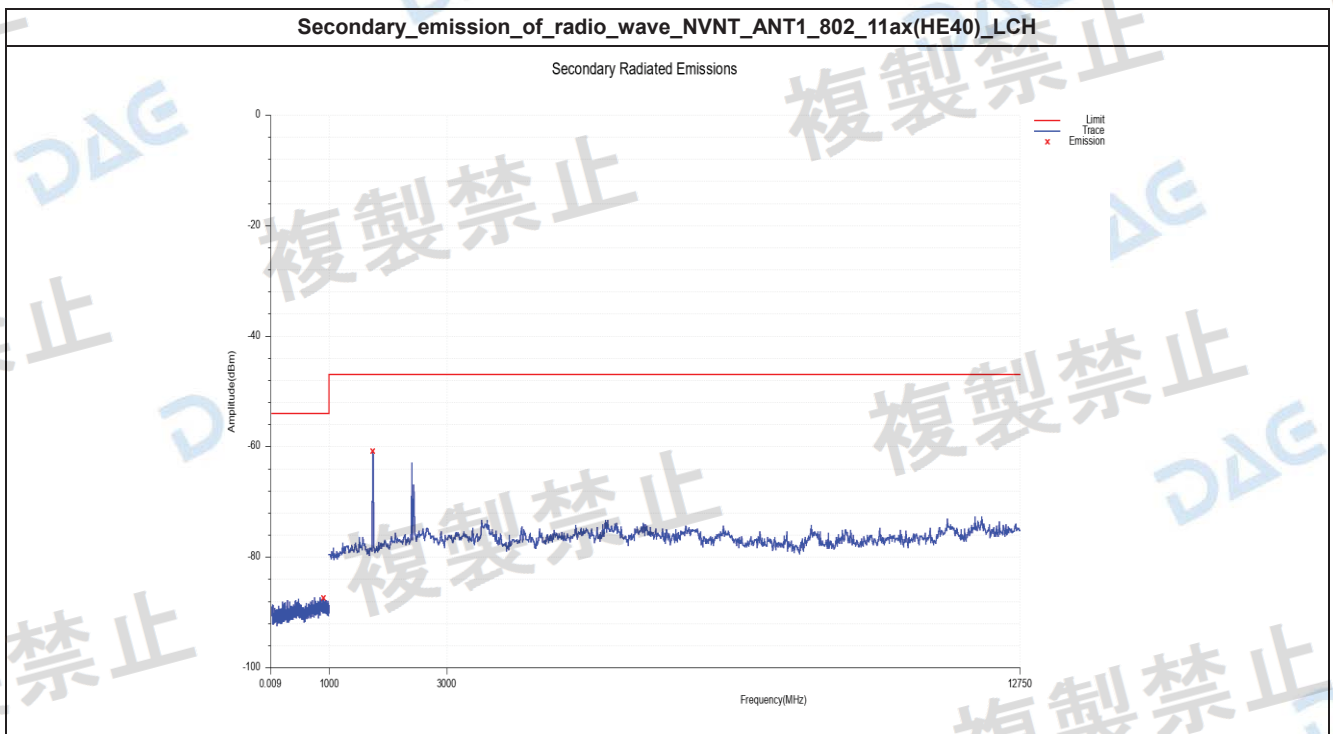
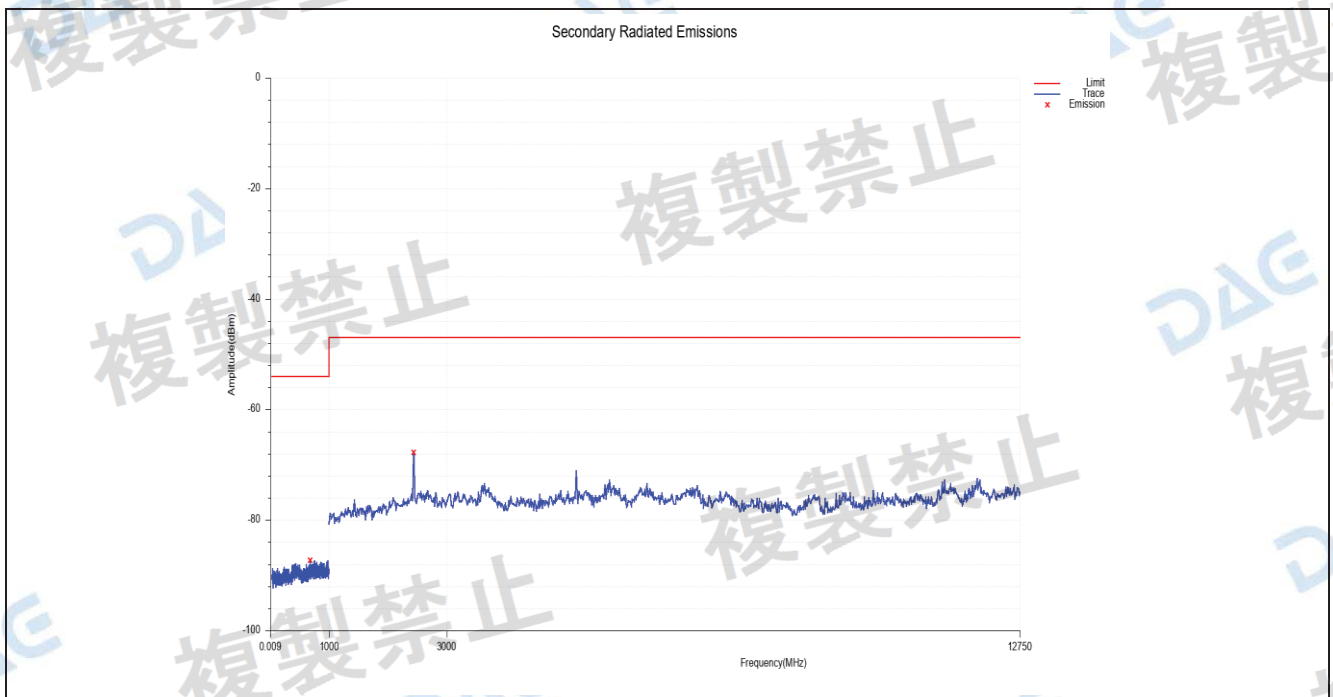


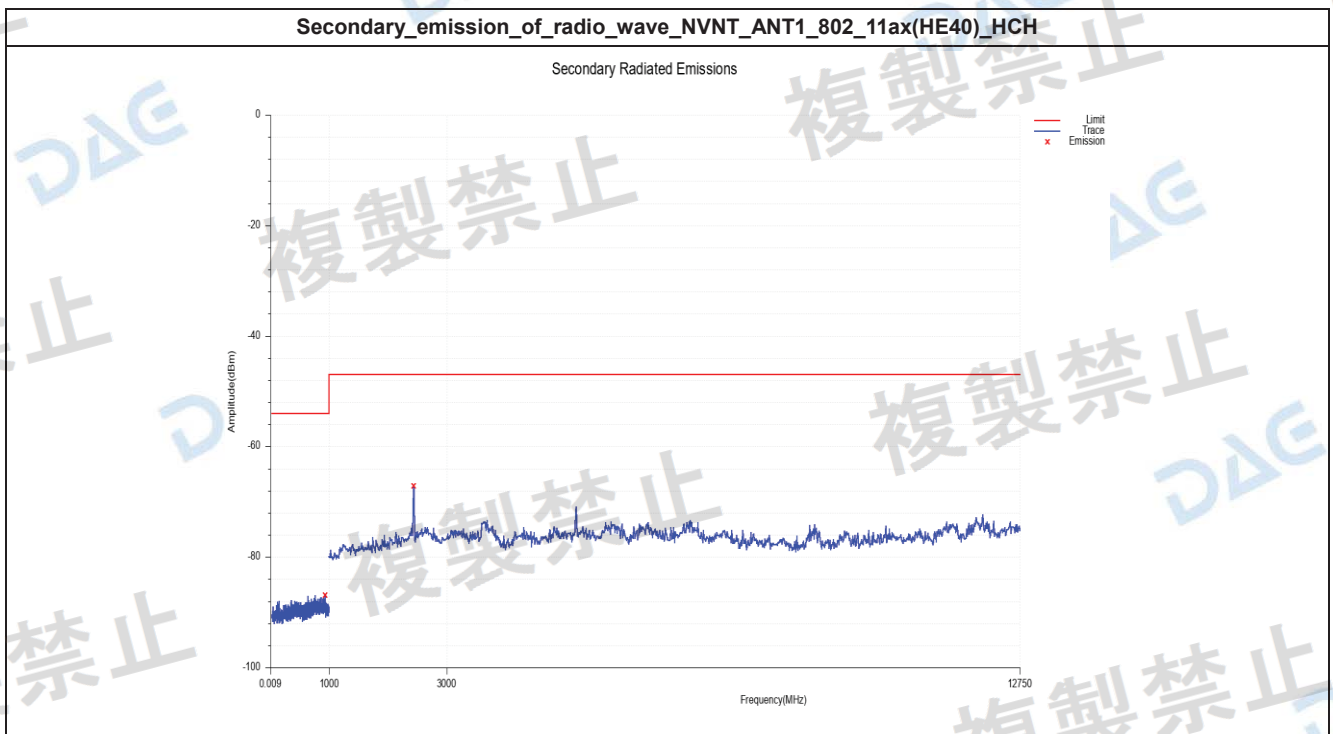
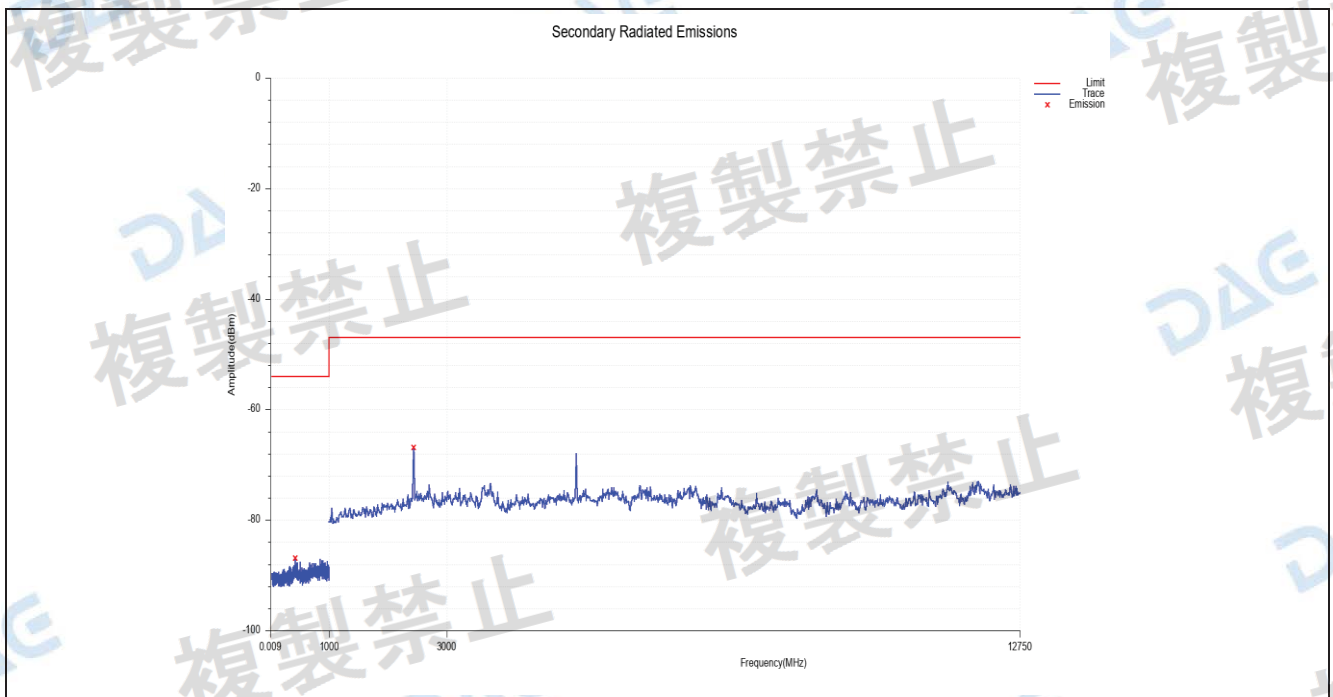












***** End of Report *****