

RADIO TEST REPORT

For

TEN TSU CO., LTD

SIGNAGE

Test Model: TV-B32-BT

Additional Model No.: TV-B43-BT, TV-B43-700-BT, TV-B55-700-BT, TV-B21-HB,

TV-B23-MPBT

Prepared for	:	TEN TSU CO., LTD
Address	:	2 Chome 7-16 Matsushima Edogawa-ku, Tokyo 1320031
Prepared by	:	Shenzhen AOCE Electronic Technology Service Co., Ltd
Address	:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Tel	:	(86)755-85277785
Fax	:	(86)755-23705230
Web	:	Http://www.aoc-cert.com
Mail	:	postmaster@aoc-cert.com
Date of receipt of test sample	:	September 12, 2024
Number of tested samples	:	1
Sample number	:	Prototype
Date of Test	:	September 12, 2024~September 22, 2024
Date of Report	:	September 22, 2024 (Origin report AOC240915101E) July 10,2026(New Report AOC260712101E)

RADIO TEST REPORT**MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19**

Second-Generation Low-Power Data Communication System/Wireless LAN System

Report Reference No. : AOC260712101E

Date of Issue : July 10,2026

Testing Laboratory Name..... : Shenzhen AOCE Electronic Technology Service Co., LtdAddress : Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu
Industrial Park, Fuhai Street, Baoan District, Shenzhen,
Guangdong, ChinaTesting Location/ Procedure..... : Full application of Harmonised standards ☒
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name..... : TEN TSU CO., LTD**

Address : 2 Chome 7-16 Matsushima Edogawa-ku, Tokyo 1320031

Test SpecificationStandard : MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item
19**Test Report Form No..... : AOCEMC-1.0**

TRF Originator : Shenzhen AOCE Electronic Technology Service Co., Ltd

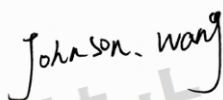
Master TRF..... : Dated 2015-06

Shenzhen AOCE Electronic Technology Service Co., Ltd All rights reserved.This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen
AOCE Electronic Technology Service Co., Ltd is acknowledged as copyright owner and source of the material.
Shenzhen AOCE Electronic Technology Service Co., Ltd takes no responsibility for and will not assume liability for
damages resulting from the reader's interpretation of the reproduced material due to its placement and context.**Test Item Description. : SIGNAGE**

Trade Mark : N/A

Model/ Type reference..... : TV-B32-BT

Ratings : Input: AC 100-240V, 50/60Hz

Result : **Positive****Compiled by:****Supervised by:****Approved by:**

Johnson Wang/ Administrators



Joey Liu/ Technique principal



Murry Yu/ Manager

RADIO -- TEST REPORT**Test Report No. : AOC260712101E**July 10, 2026

Date of issue

Type / Model..... : TV-B32-BT

EUT..... : SIGNAGE

Applicant..... : TEN TSU CO., LTD

Address..... : 2 Chome 7-16 Matsushima Edogawa-ku, Tokyo 1320031

Telephone..... : /

Fax..... : /

Manufacturer..... : SOKKWU TRADING COMPANY LIMITED.Address..... : B615.BUILDING 3. PHASE 3.HONGJI
GARDEN.LONGCHENGSTREET, LONGGANG
DISTRICT, SHENZHEN, CHINA

Telephone..... : /

Fax..... : /

Factory..... : JINGSUO Lightbox AD equipent(ShenZhen) Co.,LTD.Address..... : 1st Floor, Building 32, Dongping Avenue, Changping
Town, Dongguan City, Guangdong, China 523526
DONGGUANCHINA, PEOPLES REPUBLIC

Telephone..... : /

Fax..... : /

Test Result**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Note: This report(AOC260712101E) is based on the origin report AOC240915101E. According to the manufacturer's claim that the internal PCB circuit schematic of the product is consistent with the original report, only change the model number, applicant name and address.

TABLE OF CONTENTS

1. GENERAL INFORMATION	5
1.1. DESCRIPTION OF DEVICE (EUT)	5
1.2. HOST SYSTEM CONFIGURATION LIST AND DETAILS	5
1.3. EXTERNAL I/O CABLE	5
1.4. TEST CONDITIONS	5
1.5. FREQUENCY OF CHANNELS	6
2. TEST METHODOLOGY	7
2.1. EUT EXERCISE	7
2.2. MEASUREMENT UNCERTAINTY	7
2.3. TABLE FOR PARAMETERS OF TEST SOFTWARE SETTING	7
2.5. TEST VOLTAGE	8
3. SYSTEM TEST CONFIGURATION	9
3.1. JUSTIFICATION	9
3.2. EUT EXERCISE SOFTWARE	9
3.3. SPECIAL ACCESSORIES	9
3.4. BLOCK DIAGRAM/SCHEMATICS	9
3.5. EQUIPMENT MODIFICATIONS	9
4. SUMMARY OF TEST RESULTS	10
5. TEST RESULT	11
5.1. ANTENNA POWER	11
5.2. FREQUENCY TOLERANCE	13
5.3. OCCUPIED FREQUENCY BANDWIDTH	14
5.4. SPREAD BANDWIDTH	16
5.5. TRANSMITTER SPURIOUS EMISSIONS (CONDUCTED)	17
5.6. CARRIER SENSING FUNCTION	19
5.7. INTERFERENCE PREVENTION FUNCTION	21
5.8. NUMBER OF CARRIERS	22
5.9. SECONDARY RADIATED EMISSIONS	23
6. LIST OF MEASURING EQUIPMENTS	25
7. PHOTOGRAPHS OF TEST SETUP	26
8. EXTERNAL AND INTERNAL PHOTOGRAPHS OF THE EUT	26

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	: SIGNAGE
Test Model	: TV-B32-BT
Model No. List	: TV-B32-BT, TV-B43-BT, TV-B43-700-BT, TV-B55-700-BT, TV-B21-HB, TV-B23-MPBT
Model Declaration	: PCB board, structure and internal of these model(s) are the same except that the model number is different, so full tests were applied on TV-B32-BT.
Hardware Version	: 352C-V1.0
Software Version	: V1.0
WIFI (2.4G Band)	
Frequency Range	: 2412-2472MHz for HT20 2422-2462MHz for HT40
Channel Spacing	: 5MHz
Channel Number	: 13 Channel for 802.11b,g,n(HT20) 9 Channel for 802.11n(HT40)
Modulation Type	: 802.11b: DSSS; 802.11g/n: OFDM
Declared Antenna	: 802.11b: 5.00mW/MHz
Power	802.11g:5.00mW/MHz 802.11n(HT20): 5.00mW/MHz 802.11n (HT40): 2.0mW/MHz
Antenna Type	: Dipole Antenna, 3.0dBi

1.2. Host System Configuration List and Details

Manufacturer	Description	Model	Serial Number	Certificate
--	--	--		--

1.3. External I/O Cable

I/O Port Description	Quantity	Cable
--	--	--

1.4. Test Conditions

Temperature Range	:	22-26℃
Humidity Range	:	43-84%
Pressure Range	:	86-106kPa

1.5. Frequency of Channels

802.11b/g/n (HT20)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	12	2467
6	2437	13	2472
7	2442	--	--

802.11n (HT40)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
--	--	7	2442
--	--	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	--	--

2. TEST METHODOLOGY

2.1. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of ARIB STD-T66 Version 3.7/2014.

2.2. Measurement Uncertainty

Test Item		MU	Remark
Bandwidth	:	+/-0.2 E-6	/
Antenna Power	:	+/-0.33dB	/
Frequency Tolerance	:	+/-0.3 E-6	/
Conducted spurious emission	:	+/-0.13dB	/

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

2.3. Table for Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters:

Test Software Version	MTK_test_tool			
Frequency	2412MHz	2442MHz	2472MHz	2484MHz
802.11b (20MHz)	Default	Default	Default	N/A
802.11g (20MHz)	Default	Default	Default	N/A
802.11n (20MHz)	Default	Default	Default	N/A
Frequency	2422MHz	2442MHz	2462MHz	/
802.11n (40MHz)	Default	Default	Default	/

***Note: The output power level of the software was chosen as default only.

2.4. Description of Test Modes

Tested mode, channel, and data rate information				
Mode	Preliminary Test Data Rate (Mbps)	Final Test Data Rate (Mbps) (see Note)	Channel	Frequency (MHz)
802.11b	11/1	11	Low :CH1	2412
	11/1	11	Middle: CH7	2442
	11/1	11	High: CH13	2472
802.11g	54/6	6	Low :CH1	2412
	54/6	6	Middle: CH7	2442
	54/6	6	High: CH13	2472
802.11n HT20	65.0/6.5	6.5	Low :CH1	2412
	65.0/6.5	6.5	Middle: CH7	2442
	65.0/6.5	6.5	High: CH13	2472
802.11n HT40	135.0/13.5	13.5	Low :CH3	2422
	135.0/13.5	13.5	Middle: CH7	2442
	135.0/13.5	13.5	High: CH11	2462
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.				

2.5. Test Voltage

Environment	Input Voltage(AC)
-10%	AC 90V
Normal	AC 100V
+10%	AC 110V

POWER SUPPLY VOLTAGE FLUCTUATION TEST

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input To EUT	AC 100V	AC 110V	AC 90V
Output To RF Module	DC 3.3V	DC 3.3V	DC 3.3V
Voltage Variation (%)	--	--	--

Note:

As normal use, the EUT is powered by AC 100V. The AC 100V power was converted to DC 3.3V and supplied to RF module (controlled by the IC TMI3257 (PCB Position: U8)).

Voltage Variation (%)

= (Output high or Low Voltage - Output Normal Voltage) / Output Normal Voltage * 100

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition test, EUT only operated in nominal voltage to test all regulations.

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in engineering mode.

3.2. EUT Exercise Software

N/A.

3.3. Special Accessories

N/A.

3.4. Block Diagram/Schematics

Please refer to the related document.

3.5. Equipment Modifications

Shenzhen AOCE Electronic Technology Service Co., Ltd has not done any modification on the EUT.

4. SUMMARY OF TEST RESULTS

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19		
Clause STD T66	Description of Test (Transmitter Parameters)	Result
6	Antenna Power	PASS
6	Tolerances for Antenna Power	PASS
3	Frequency Tolerance	PASS
4	Transmission Rate	PASS
4	Occupied Frequency Bandwidth	PASS
4	Spread Bandwidth spreading factor	PASS
5	Spurious Emissions	PASS
10	Transmission Antenna Gain (EIRP Antenna Power)	PASS
11	Transmission Radiated Angle Width	N/A
12	Interference prevention function	PASS
8	Carrier Sensing function	PASS
/	Number of carriers	PASS
Receiver Parameters		
7	Secondary Radiated Emissions	COMPLIES
Note: (1) N/A is an abbreviation for Not Applicable. (2) N/T means this test item is not tested.		

5. TEST RESULT

5.1. Antenna Power

5.1.1. Standard Applicable

Type	Limit
DTS	10mW
OFDM OBW<26MHz, DS	10mW/MHz
OFDM OBW 26-40MHz	5mW/MHz
Tolerance	+20%

Upper Limit of EIRP for Modulation Systems

Modulation system	Frequency band used	Antenna power (max.)	EIRP (max.)	
			Omnidirectional case	Directional case
DS, OFDM	2,400 - 2,483.5 MHz	10 mW/MHz	12.14 dBm/MHz	22.14 dBm/MHz
FH, DS-FH FH-OFDM	2,400 - 2,483.5 MHz	3 mW/MHz	6.91 dBm/MHz	16.91 dBm/MHz
	Excluding 2,427 - 2,470.75 MHz	10 mW/MHz	12.14 dBm/MHz	22.14 dBm/MHz
Other than the above	2,400 - 2,483.5 MHz	10 mW	12.14 dBm	22.14 dBm

5.1.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.1.3. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

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

Resolution BW: 1MHz.

Video BW: 1MHz.

Span: Wide enough to cover the complete power envelope of the signal of the EUT.

Trigger condition: Free run.

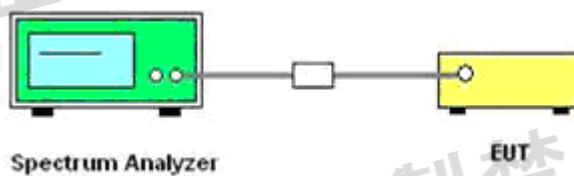
Sweep mode: Continuous sweeping.

Detector: Peak.

Trace Mode: Max Hold.

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

5.1.4. Test Setup



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.6. Test Result

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Refer to Appendix Test data.

5.2. Frequency Tolerance

5.2.1. Standard Applicable

Tolerance of frequency shall be $\pm 50 \times 10^{-6}$.

5.2.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.2.3. Test Procedures

- a. Set EUT work in test mode as described in clause 2.4.
- b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

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

Resolution BW: 10 KHz.

Video BW: 10 KHz.

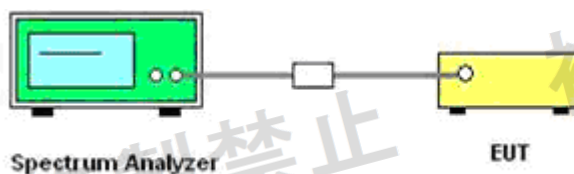
Span: 1MHz.

Detector: Peak.

Trace Mode: Max Hold.

- c. When the trace is complete, find the peak value of the power envelope and record.

5.2.4. Test Setup Layout



5.2.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.6. Test Result

Temperature	23.6°C	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Refer to Appendix Test data.

5.3. Occupied Frequency Bandwidth

5.3.1. Standard Applicable

Permissible value for occupied bandwidth using the FH system, a hybrid system combining DS and FH systems, or a hybrid system combining FH and OFDM systems shall be 83.5 MHz or less, while necessary bandwidth (minimum occupied bandwidth sufficient to ensure information transmission of required quality at a required transmission rate for the system used under specified conditions for a given emission type) using a system other than any of the above shall be 26 MHz or less.

5.3.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.3.3. Test Procedures

- a. Set EUT work in test mode as described in clause 2.4.
- b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

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

RBW/VBW= 100 KHz/300KHz for WIFI.

Span: Wide enough to cover the complete power envelope of the signal of the EUT.

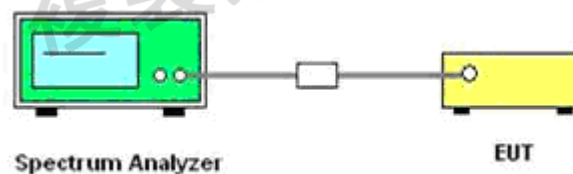
Sweep mode: Continuous sweeping.

Detector: Peak.

Trace Mode: Max Hold.

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

5.3.4. Test Setup Layout



5.3.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.6. Test Result of 99% Spectrum Bandwidth

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Refer to Appendix Test data.

5.4. Spread Bandwidth

5.4.1. Standard Applicable

In spread spectrum systems, spread bandwidth (which refers to a frequency bandwidth with an upper limit and lower limit such that each of the mean powers radiated above the upper frequency limit and below the lower frequency limit is equal to 5 % of the total mean power radiated; this also applies hereafter) shall be 500 kHz or more.

5.4.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.4.3. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

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

RBW/VBW= 100 KHz/300KHz for WIFI.

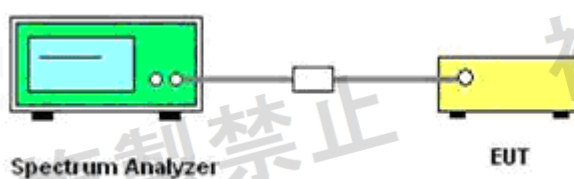
Span: Wide enough to cover the complete power envelope of the signal of the EUT.

Detector: Peak.

Trace Mode: Max Hold.

- When the trace is complete, measure the occupied bandwidth (90% bandwidth) with spectrum analyzer's bandwidth measure function.

5.4.4. Test Setup Layout



5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Result of 90% Occupied Bandwidth.

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Refer to Appendix Test data.

5.5. Transmitter Spurious Emissions (conducted)

5.5.1. Standard Applicable

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

a. $30\text{MHz} \leq f \leq 1000\text{MHz}$ 0.25 μW or less

a. $2,387\text{MHz} \leq f \leq 2,400\text{MHz}$ and $2,483.5\text{MHz} < f \leq 2,496.5\text{MHz}$ 25 μW or less

b. $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f$ 2.5 μW or less

a. $2,458\text{MHz} \leq f \leq 2,471\text{MHz}$ and $2,497\text{MHz} < f \leq 2,510\text{MHz}$ 25 μW or less

b. $2,458\text{MHz} > f$ and $2,510\text{MHz} < f$ 2.5 μW or less

5.5.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.5.3. Test Procedures

a. Set EUT work in test mode as described in clause 2.4.

b. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Below 1GHz: RBW/VBW= 100KHz / 300KHz

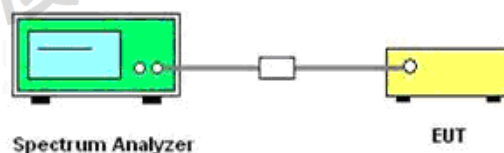
Above 1GHz: RBW/VBW= 1MHz / 1MHz.

Detector: Peak.

Trace Mode: Max Hold.

c. All the emissions from 30MHz to 12.75GHz were measured and record.

5.5.4. Test Setup Layout



5.5.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.6. Test Results

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

-Note:SA set to from 2.4965GHz to 13GHz, plot shows from 2.497GHz to 13GHz as of SA's default format.

We found that TX when input normal voltage was worst case through pre-scan, so this condition was recorded.

Refer to Appendix Test data.

5.6. Carrier sensing function

5.6.1. Standard Applicable

Item	Limits
Carrier Sense	Good - EUT stop RF transmission signal after carrier inject to EUT. (On $22.79 + Gr - 20 \cdot \log(f)$ [dBm] (Gr: dBi; f: MHz) or 100mV/m)

5.6.2. Measuring Instruments

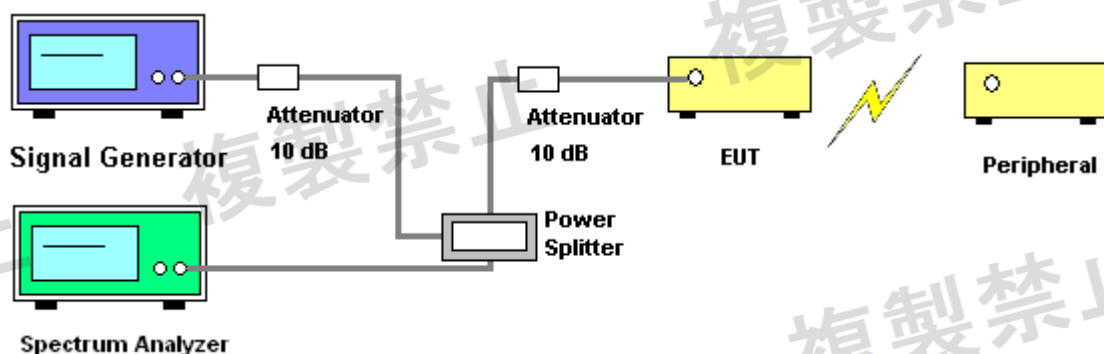
Please refer to section 6 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz
Span	0 MHz
Sweep	Continuous
Detector	Peak
Trigger mode	Video

5.6.3. Test Procedures

1. SSG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SSG and power level is (On $22.79 + Gr - 20 \cdot \log(f)$ [dBm] (Gr: dBi; f: MHz). Then turn off the RF signal of SSG.
2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. Setting of SA is following as: RB:1MHz / VB:1MHz / SPAN: 50MHz / AT: 10dB / Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak.
4. SSG RF Signal On.
5. EUT shall be stop the transmitted any signal and SSG RF Signal Off. Then EUT will be continuous transmitted signal.

5.6.4. Test Setup Layout



5.6.5. EUT Operation during Test

The EUT was programmed to be in normal transmitting mode.

5.6.6. Test Result

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Pass.

Test Mode	Frequency (MHz)	Carrier Signal(dbm)
802.11n(HT40)	2422	-43.15
	2442	-43.26
	2462	-43.13

Note: After a carrier signal $22.79 + Gr - 20 \cdot \log(f)$ [dBm] was injected into EUT, it stopped transmission.

5.7. Interference prevention function

5.7.1. Standard Applicable

Item	Limits
Identification code	$\geq$ 48 bits

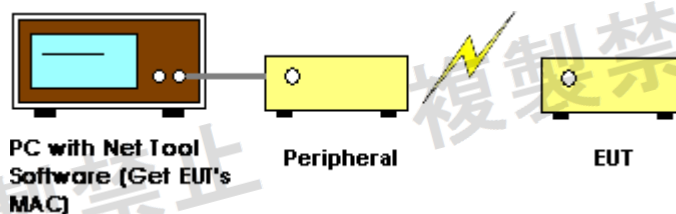
5.7.2. Measuring ID Code Software

PC with NetTool	Setting
MAC IP List	MAC Scan

5.7.3. Test Procedures

1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes from EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code: a. Transmit the predetermined identification codes from the counterpart. b. Check if communication is normal. c. Transmit the other signals than predetermined ID codes from the counterpart. d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

5.7.4. Test Setup Layout



5.7.5. EUT Operation during Test

The EUT was programmed to be in normal transmitting mode.

5.7.6. Test Result

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

MAC Address: 35:E2:D8:B2:6D:2F

Complies.

5.8. Number of carriers

5.8.1. Test Result

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Mode	Carrier number
802.11g	48
802.11 n(HT20)	52
802.11 n(HT40)	108

5.9. Secondary Radiated Emissions

5.9.1. Standard Applicable

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

5.9.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.9.3. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Resolution BW: 100 KHz for frequency below 1GHz and

1MHz for frequency above 1GHz

Video BW: 100 KHz for frequency below 1GHz and

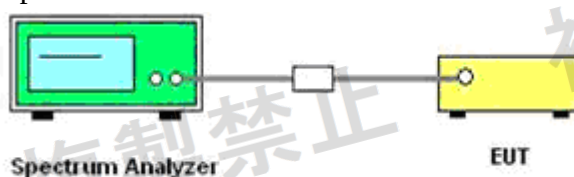
1MHz for frequency above 1GHz

Detector: Peak.

Trace Mode: Max Hold.

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

5.9.4. Test Setup



5.9.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.9.6. Test Results

Temperature	23.6℃	Humidity	52.6%
Test Engineer	Andy Luo	Test Voltage	Normal Voltage

Please refer to the following page.

We found that RX(802.11b Low Channel) when input normal voltage was worst case through pre-scan, so this condition was recorded.

Refer to Appendix Test data.

6. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal Date	Due Date
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	May 19, 2024	May 18, 2025
Signal analyzer	Agilent	N9020A	US44300469	9kHz~40GHz	May 19, 2024	May 18, 2025
LISN	MESS Tec	NNB-2/16Z	99079	9KHz-30MHz	May 19, 2024	May 18, 2025
LISN (Support Unit)	EMCO	3819/2NM	9703-1839	9KHz-30MHz	May 19, 2024	May 18, 2025
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9KHz-30MHz	May 19, 2024	May 18, 2025
ISN	SCHAFFNER	ISN ST08	21653	9KHz-30MHz	May 19, 2024	May 18, 2025
AC Power Source	HPC	HPA-500E	HPA-9100024	AC 0~300V	May 19, 2024	May 18, 2025
DC power Soure	GW	GPC-6030D	C671845	DC 1V-60V	May 19, 2024	May 18, 2025
Temp. and Humidigy	Giant Force	GTH-225-20-S	MAB0103-00	N/A	May 19, 2024	May 18, 2025
RF CABLE-1m	JYE Bao	RG142	CB034-1m	20MHz-7GHz	May 19, 2024	May 18, 2025
RF CABLE-2m	JYE Bao	RG142	CB035-2m	20MHz-1GHz	May 19, 2024	May 18, 2025
Signal Generator	R&S	SMR40	10016	10MHz~40GHz	May 19, 2024	May 18, 2025
Oscilloscope	Tektonix	TDS380	B016197	400MHz/2GRS	May 19, 2024	May 18, 2025
Power meter	Agilent	E4419B	MY45104495	100KHz-30GHz	May 19, 2024	May 18, 2025
Power sensor	Agilent	E9301H	MY41495236	9KHz-30GHz	May 19, 2024	May 18, 2025
Measurement Software	TST	TST PASS Version;1.1.0	N/A	/	/	/

Note: All equipment through GRGT EST calibration

Note: Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law.

7. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERNAL AND INTERNAL PHOTOGRAPHS OF THE EUT

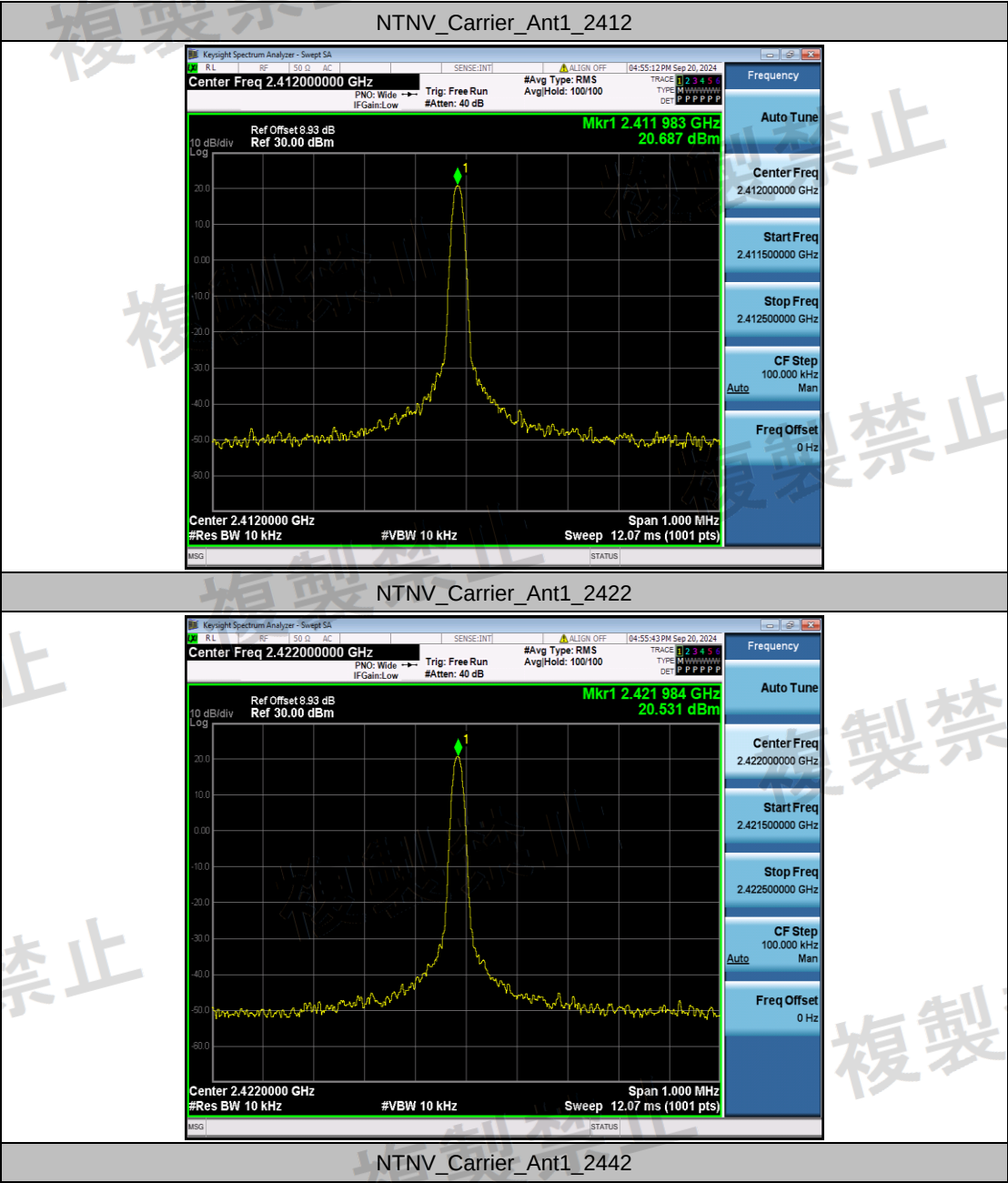
Please refer to separated files for External AND Internal photographs of the EUT.

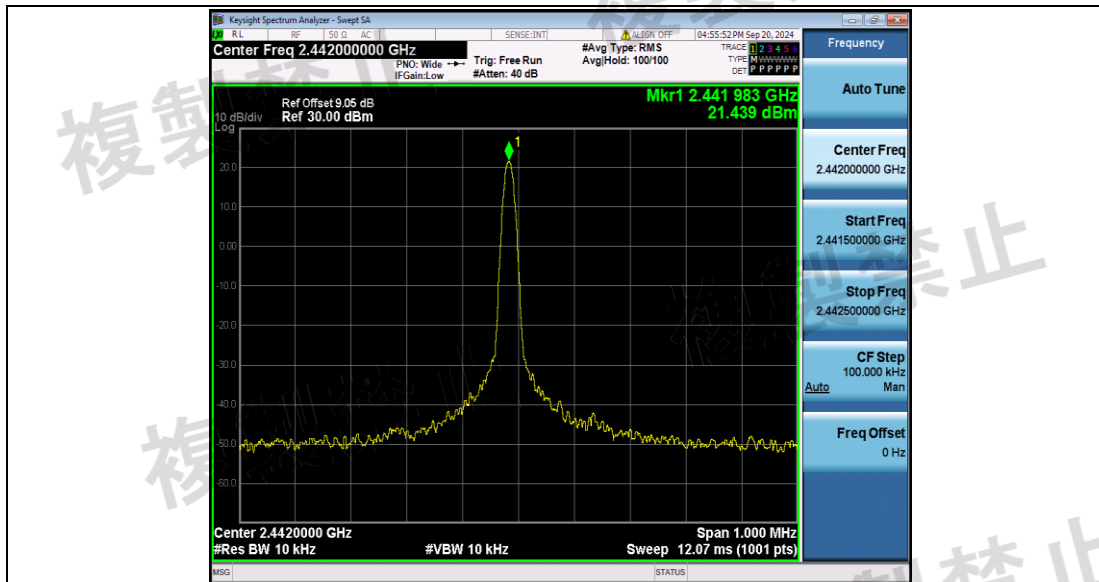
-----THE END OF REPORT-----

Appendix A.1: Frequency Error**1.1.1. Test Result**

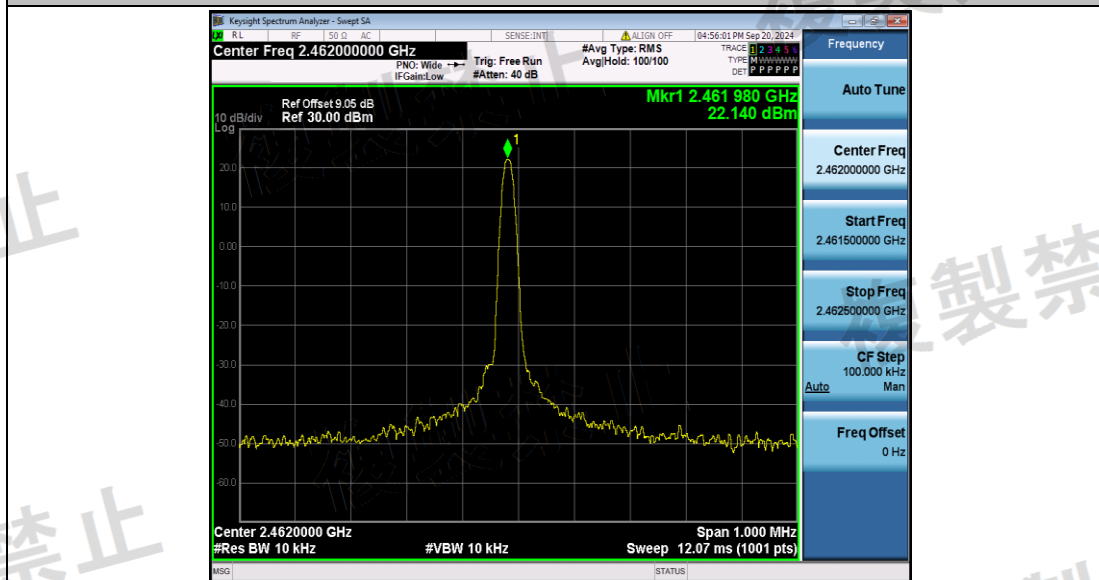
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Carrier	Ant1	2412	-7.04809	±50	PASS
			2422	-6.60611	±50	PASS
			2442	-6.96151	±50	PASS
			2462	-8.12348	±50	PASS
			2472	-6.87702	±50	PASS

1.1.2.Test Graphs

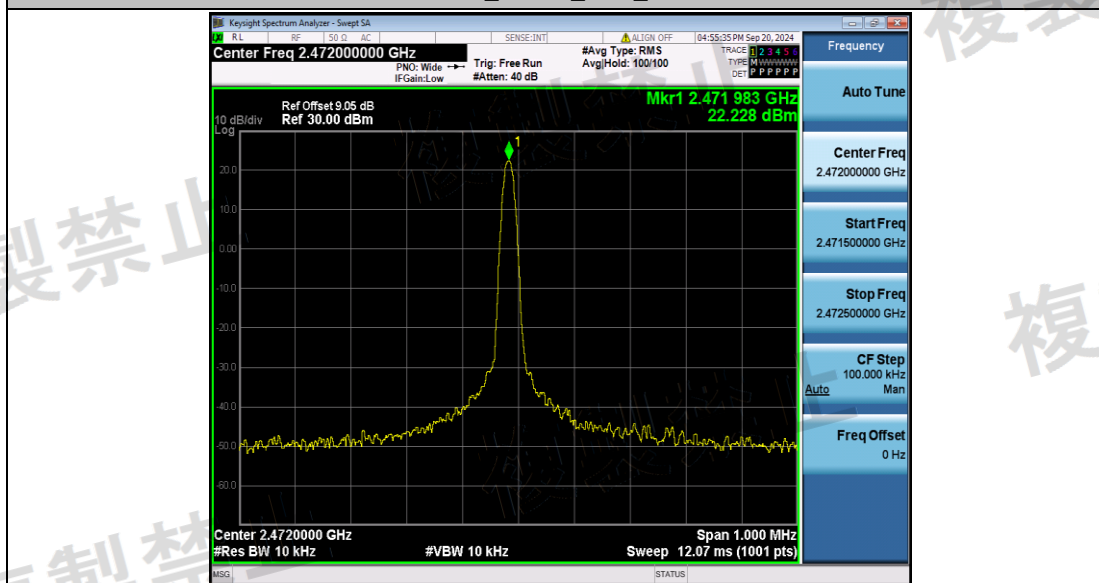




NTNV_Carrier_Ant1_2462



NTNV_Carrier_Ant1_2472



Appendix A.2: Antenna Power

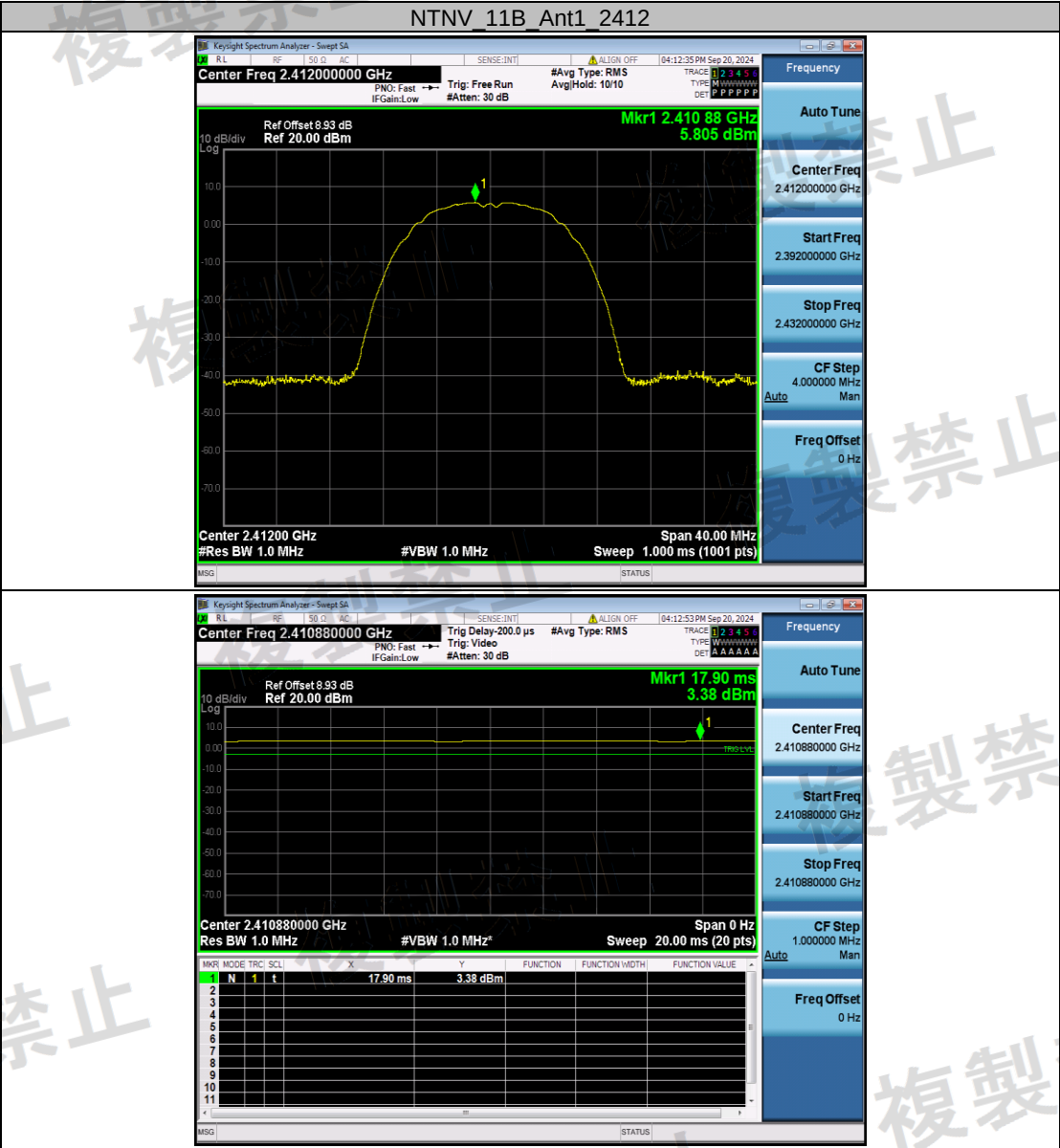
1.1.3. Test Result Power

Antenna Power							
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Result (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11B	Ant1	2412	3.39	2.1827	≤10	PASS
			2442	4.16	2.6062	≤10	PASS
			2472	4.32	2.7040	≤10	PASS
	11G	Ant1	2412	2.84	1.9231	≤10	PASS
			2442	3.74	2.3659	≤10	PASS
			2472	1.85	1.5311	≤10	PASS
	11N20SIS O	Ant1	2412	2.74	1.8793	≤10	PASS
			2442	3.72	2.3550	≤10	PASS
			2472	1.37	1.3709	≤10	PASS
	11N40SIS O	Ant1	2422	-0.51	0.8892	≤5	PASS
			2442	-0.26	0.9419	≤5	PASS
			2462	-1.21	0.7568	≤5	PASS

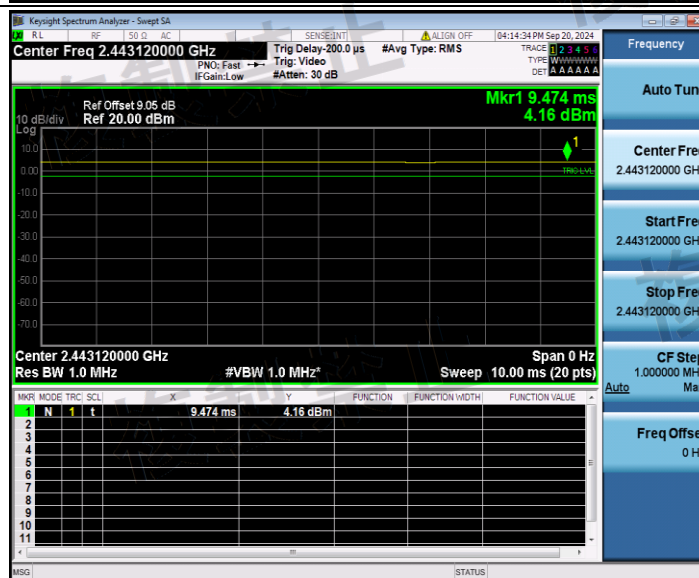
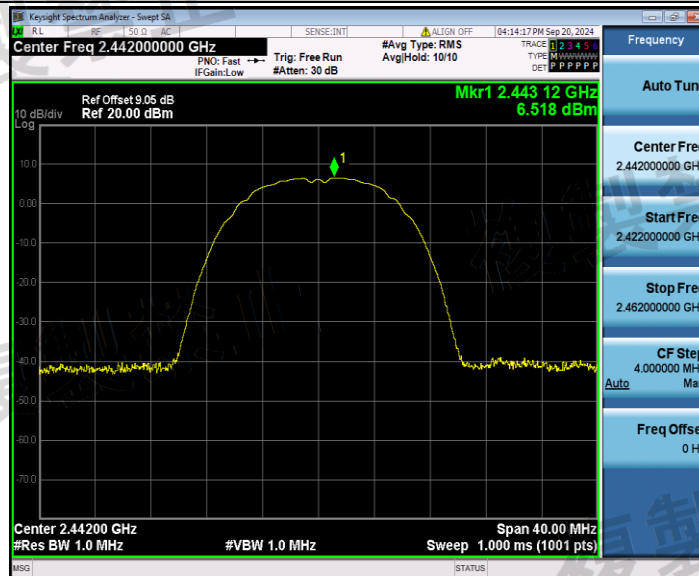
Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	Rated Power (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	2.1827	5	-56.35	+20	PASS
			2442	2.6062	5	-47.88	+20	PASS
			2472	2.7040	5	-45.92	+20	PASS
	11G	Ant1	2412	1.9231	5	-61.54	+20	PASS
			2442	2.3659	5	-52.68	+20	PASS
			2472	1.5311	5	-69.38	+20	PASS
	11N20SI SO	Ant1	2412	1.8793	5	-62.41	+20	PASS
			2442	2.3550	5	-52.90	+20	PASS
			2472	1.3709	5	-72.58	+20	PASS
	11N40SI SO	Ant1	2422	0.8892	2	-55.54	+20	PASS
			2442	0.9419	2	-52.91	+20	PASS
			2462	0.7568	2	-62.16	+20	PASS

Test Mode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Gain (dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)
11B	Ant1	2412	3.39	3.0	6.39	12.14
		2442	4.16	3.0	7.16	12.14
		2472	4.32	3.0	7.32	12.14
11G	Ant1	2412	2.84	3.0	5.84	12.14
		2442	3.74	3.0	6.74	12.14
		2472	1.85	3.0	4.85	12.14
11N20SI SO	Ant1	2412	2.74	3.0	5.74	12.14
		2442	3.72	3.0	6.72	12.14
		2472	1.37	3.0	4.37	12.14
11N40SI SO	Ant1	2422	-0.51	3.0	2.49	9.13
		2442	-0.26	3.0	2.74	9.13
		2462	-1.21	3.0	1.79	9.13

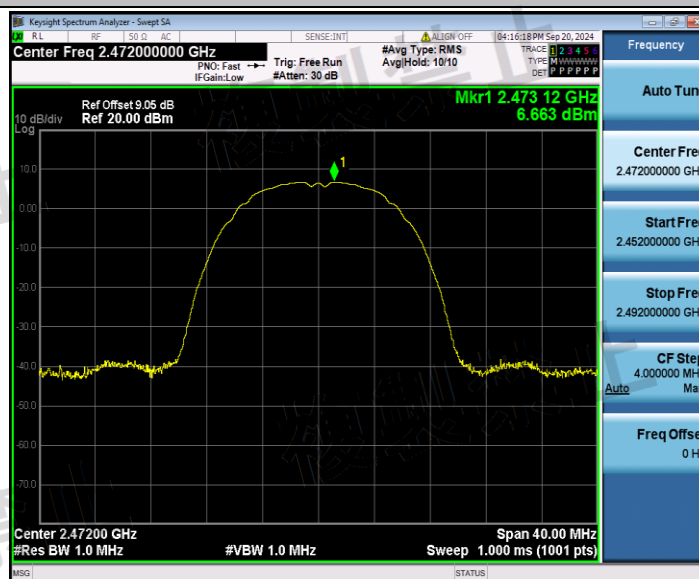
1.1.4.Test Graphs

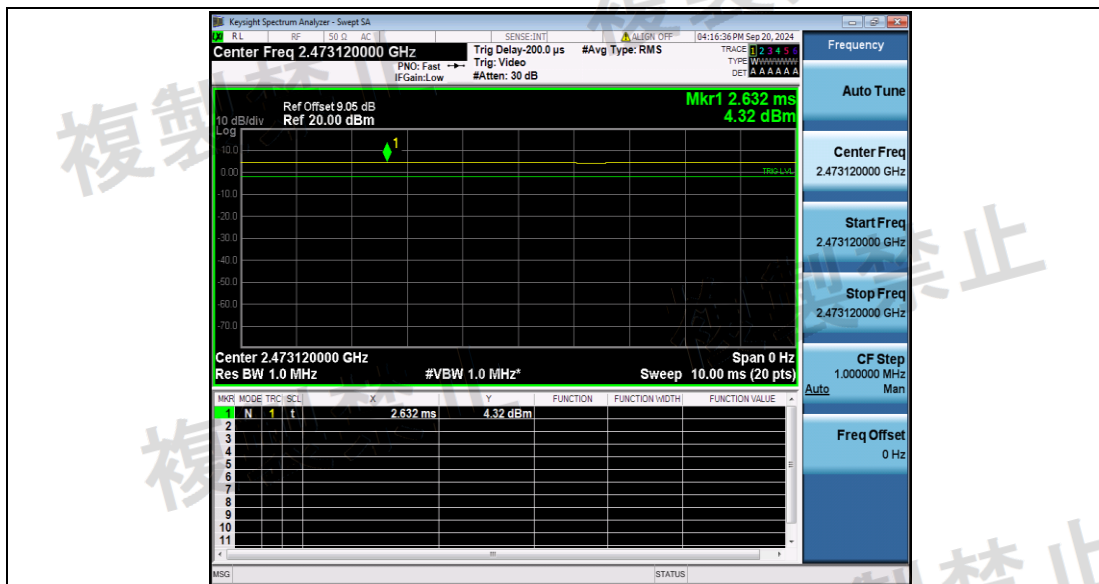


NTNV_11B_Ant1_2442

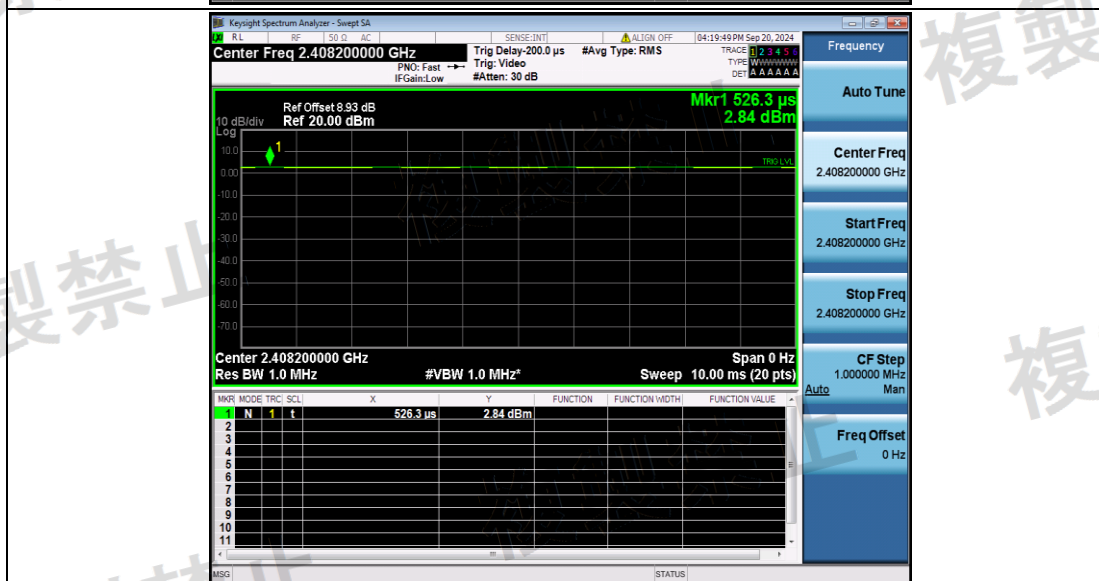
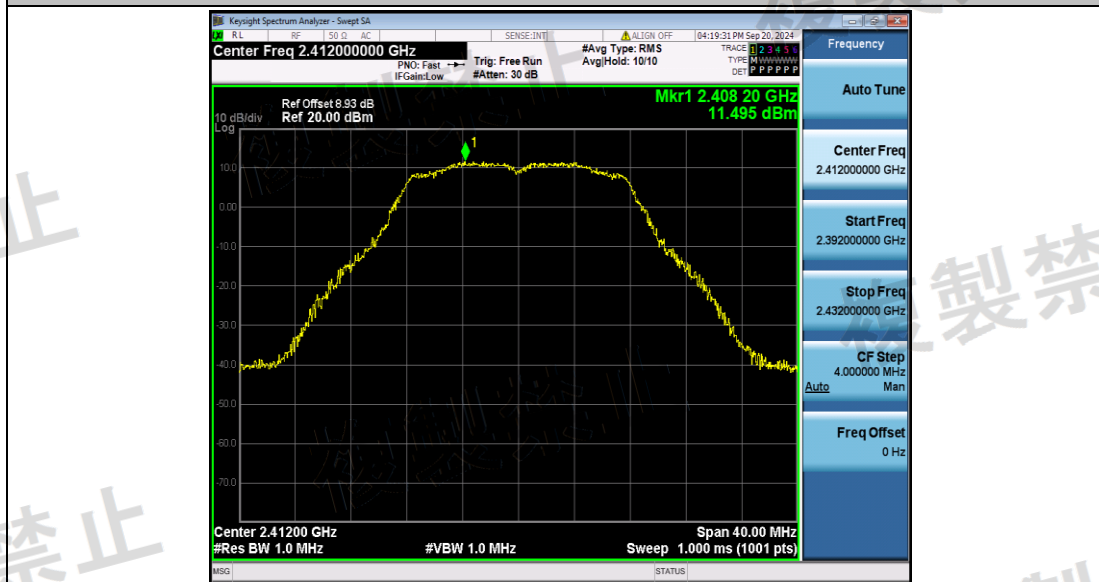


NTNV_11B_Ant1_2472

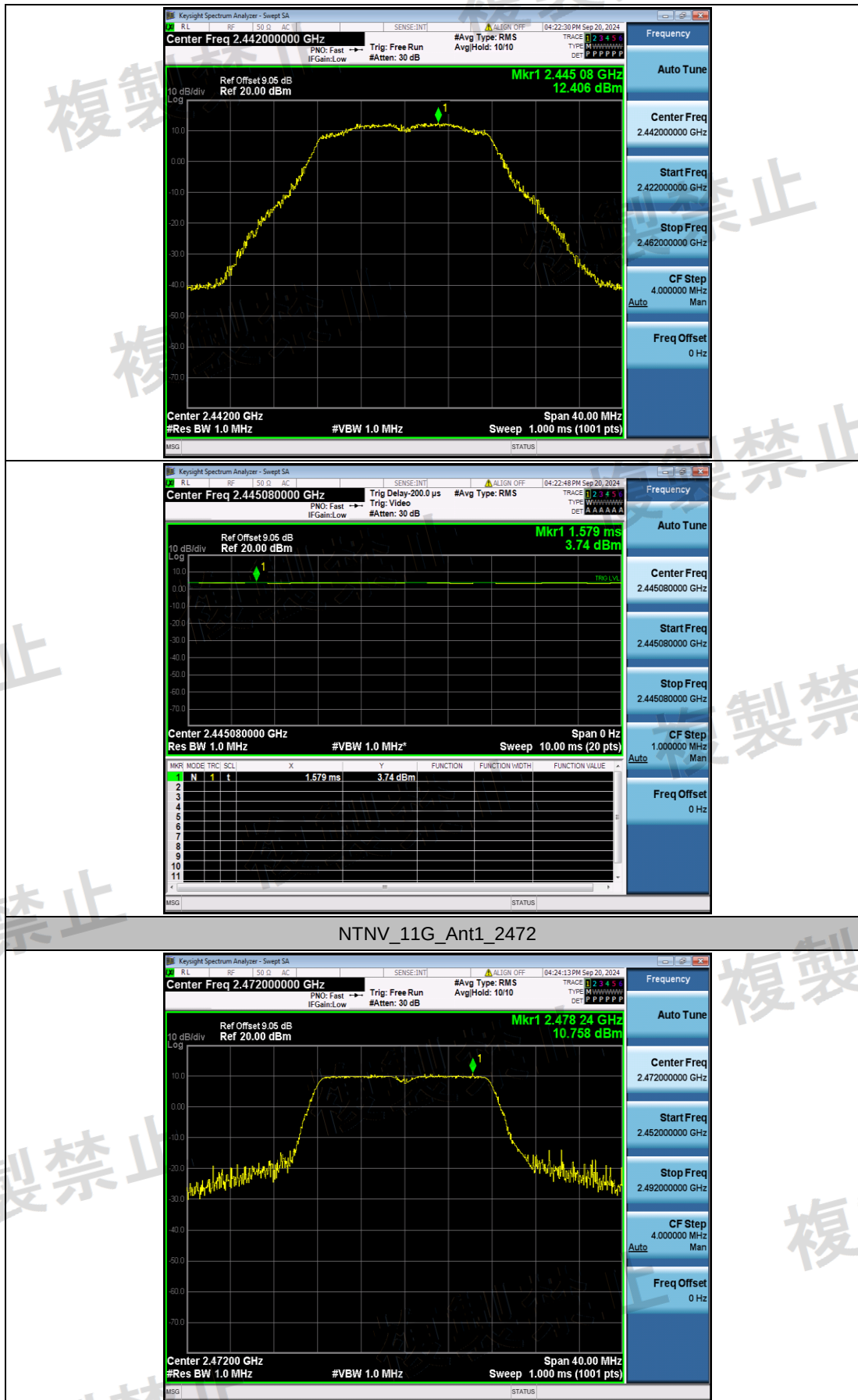


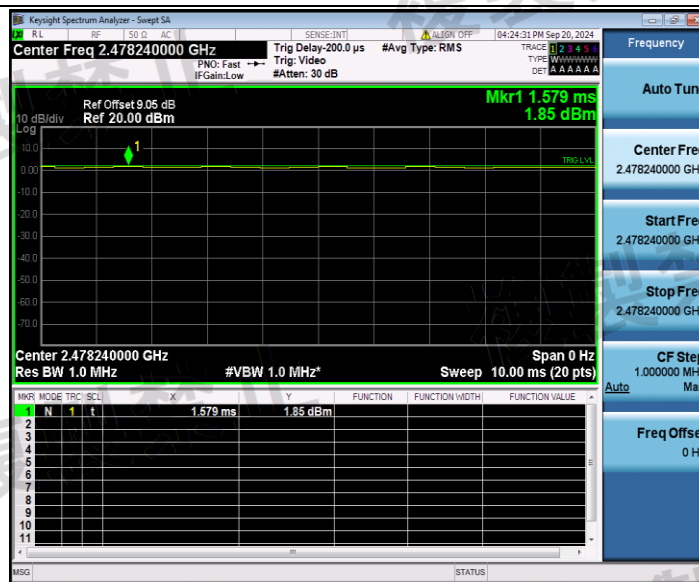


NTNV_11G_Ant1_2412

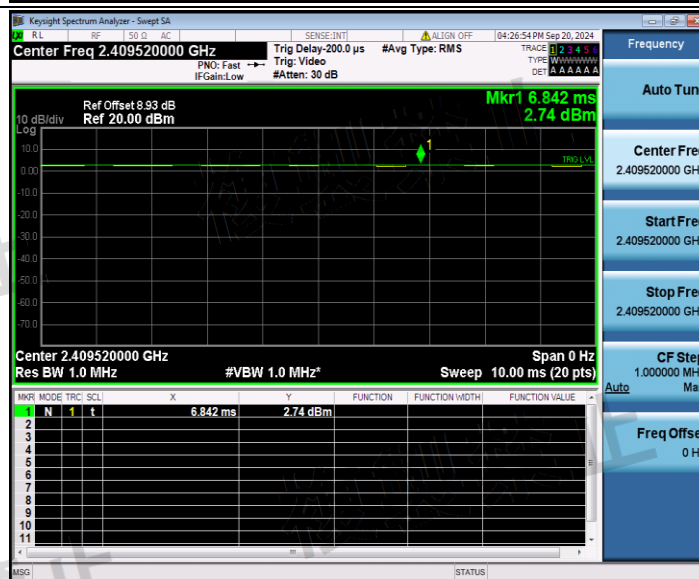
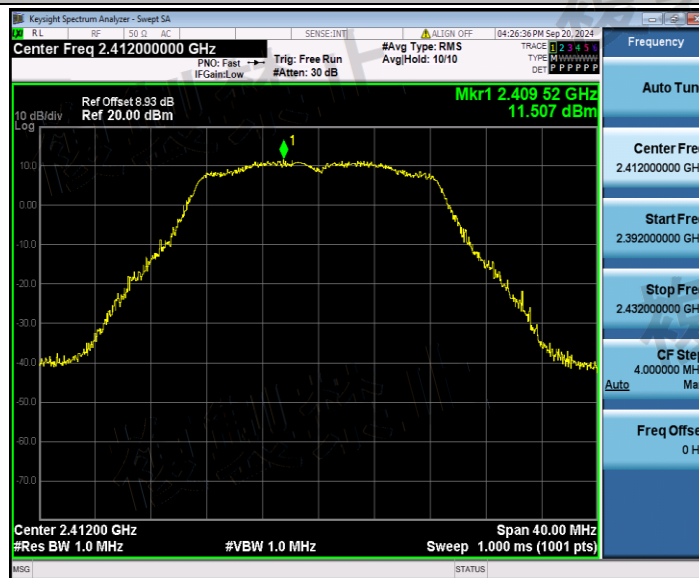


NTNV_11G_Ant1_2442

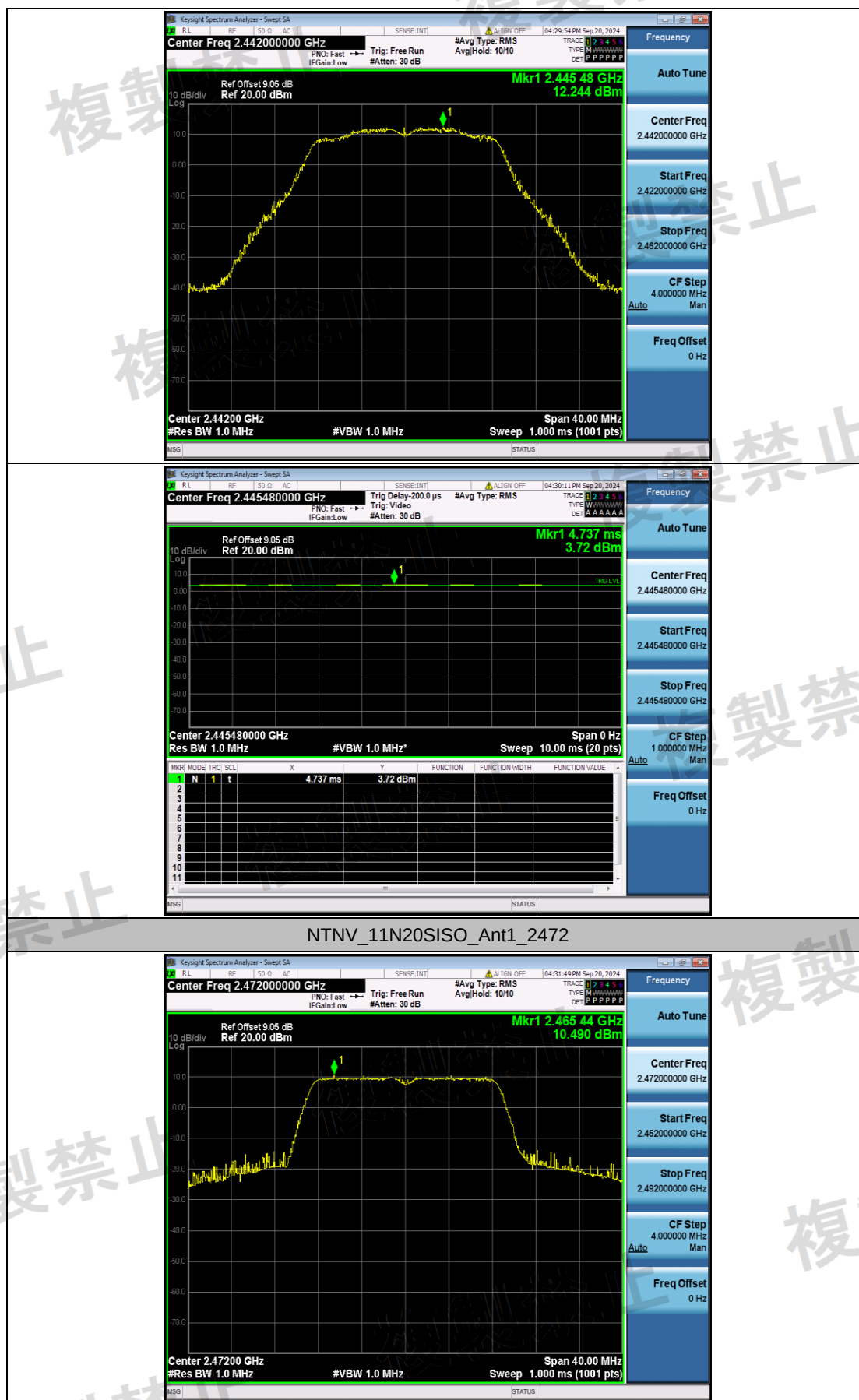




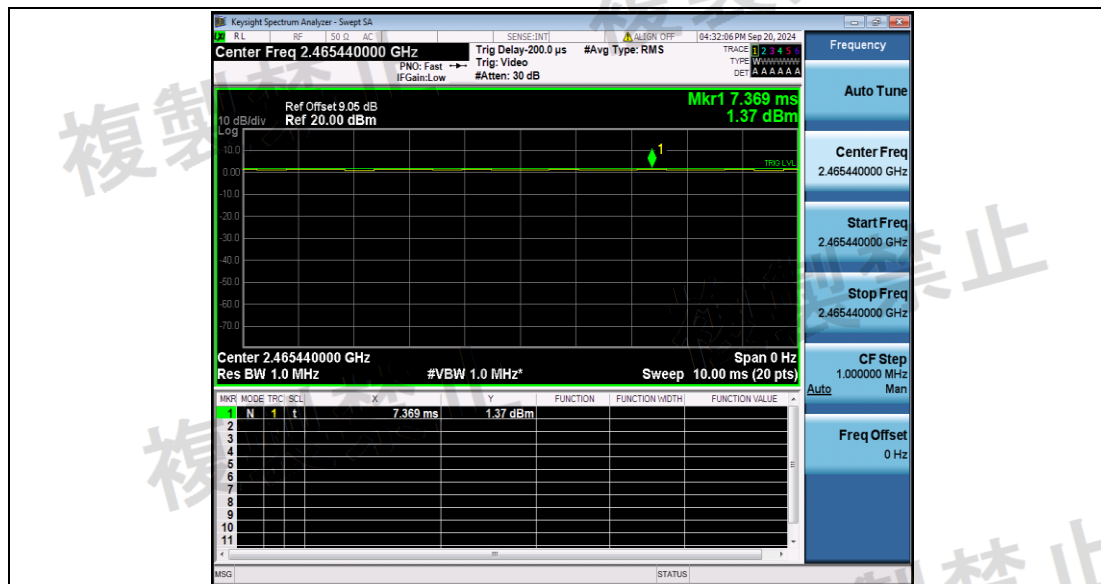
NTNV_11N20SISO_Ant1_2412



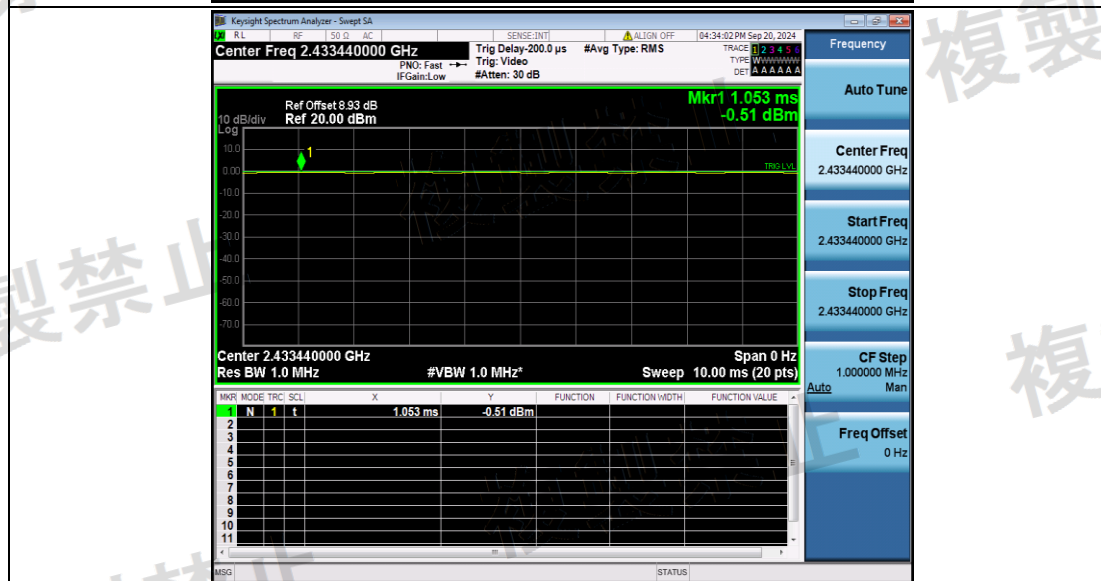
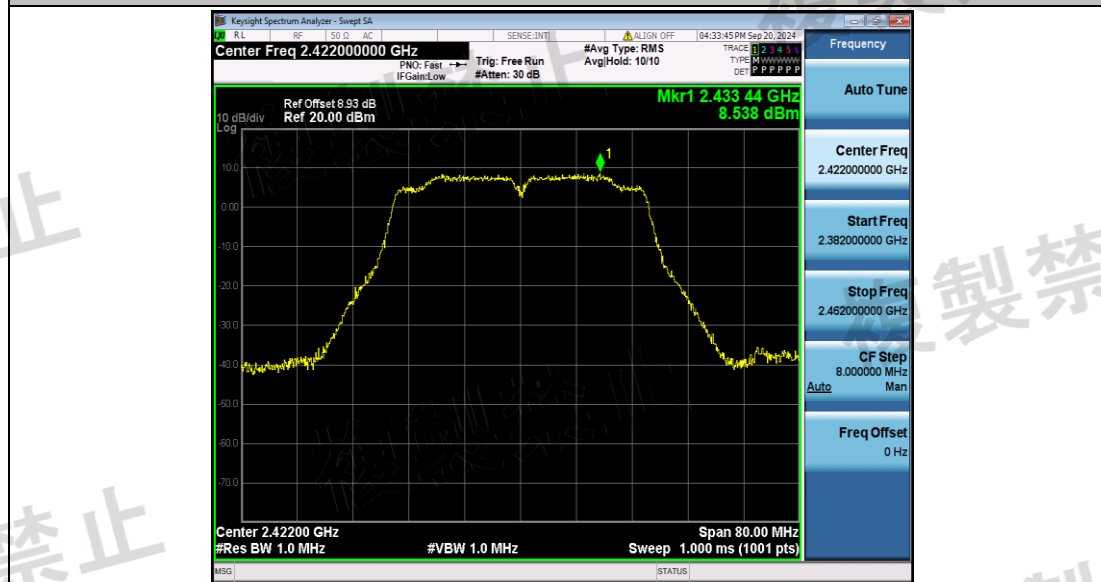
NTNV_11N20SISO_Ant1_2442



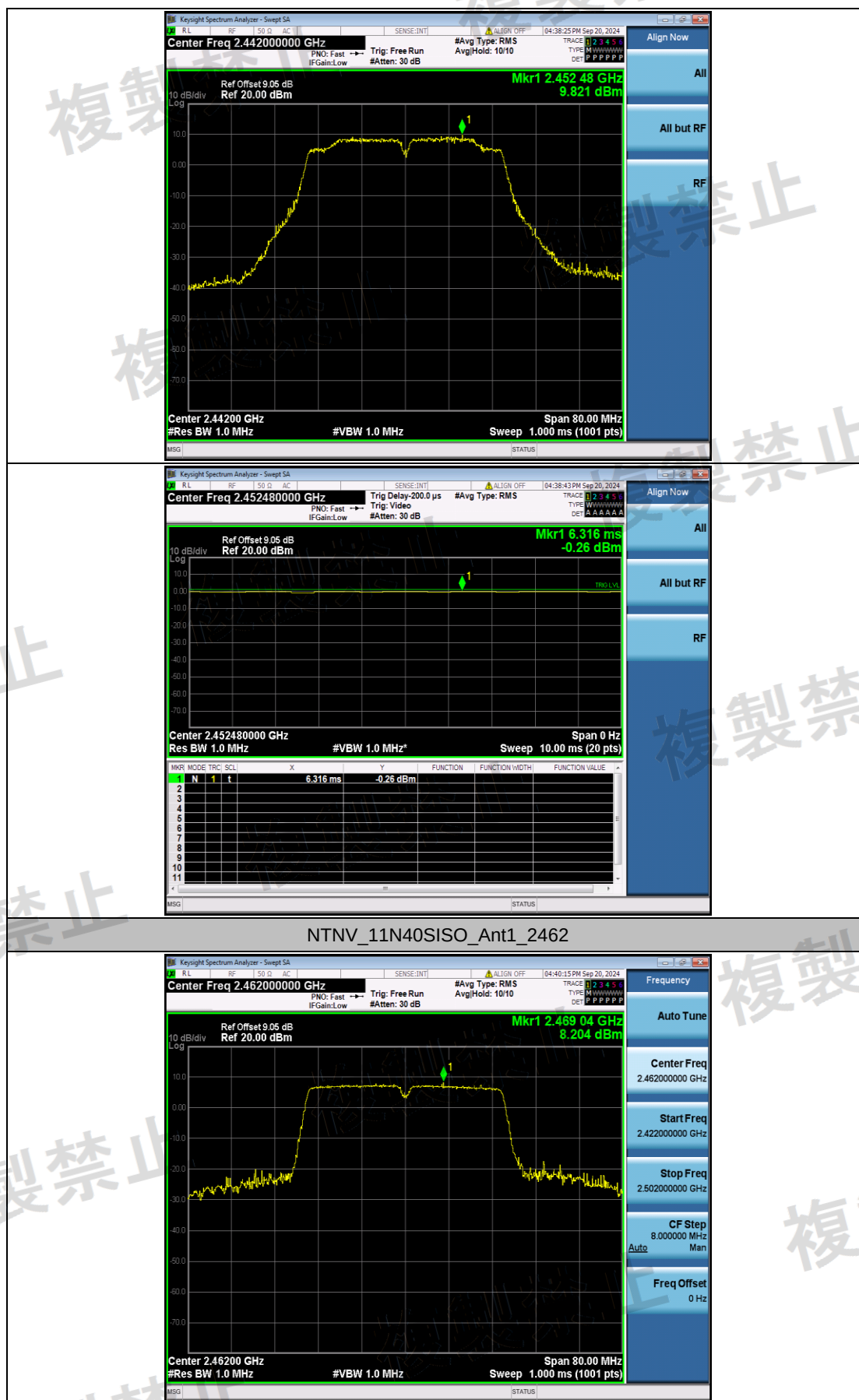
NTNV_11N20SISO_Ant1_2472



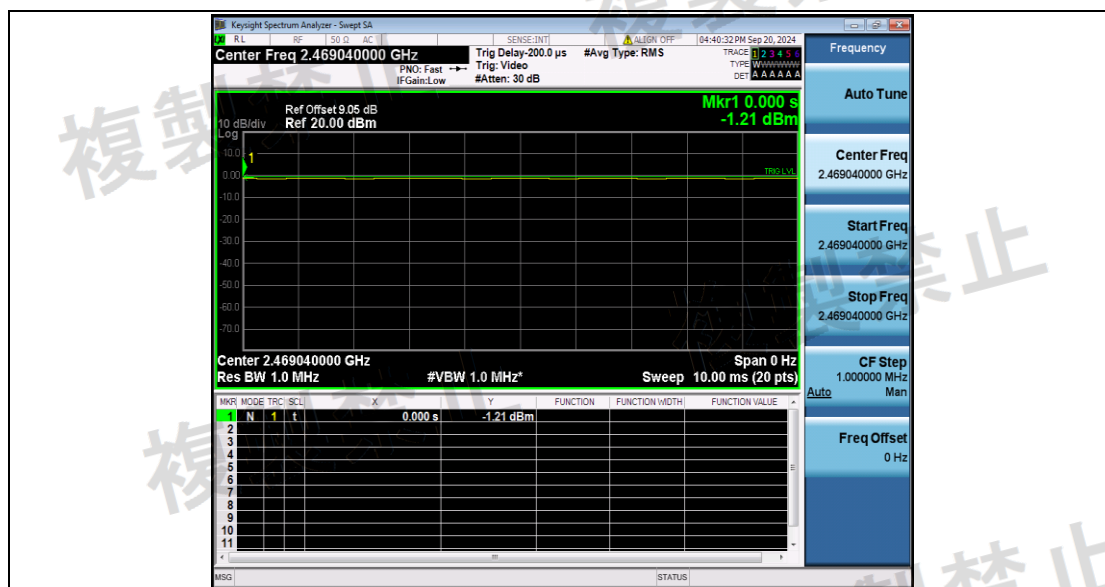
NTNV_11N40SISO_Ant1_2422



NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462

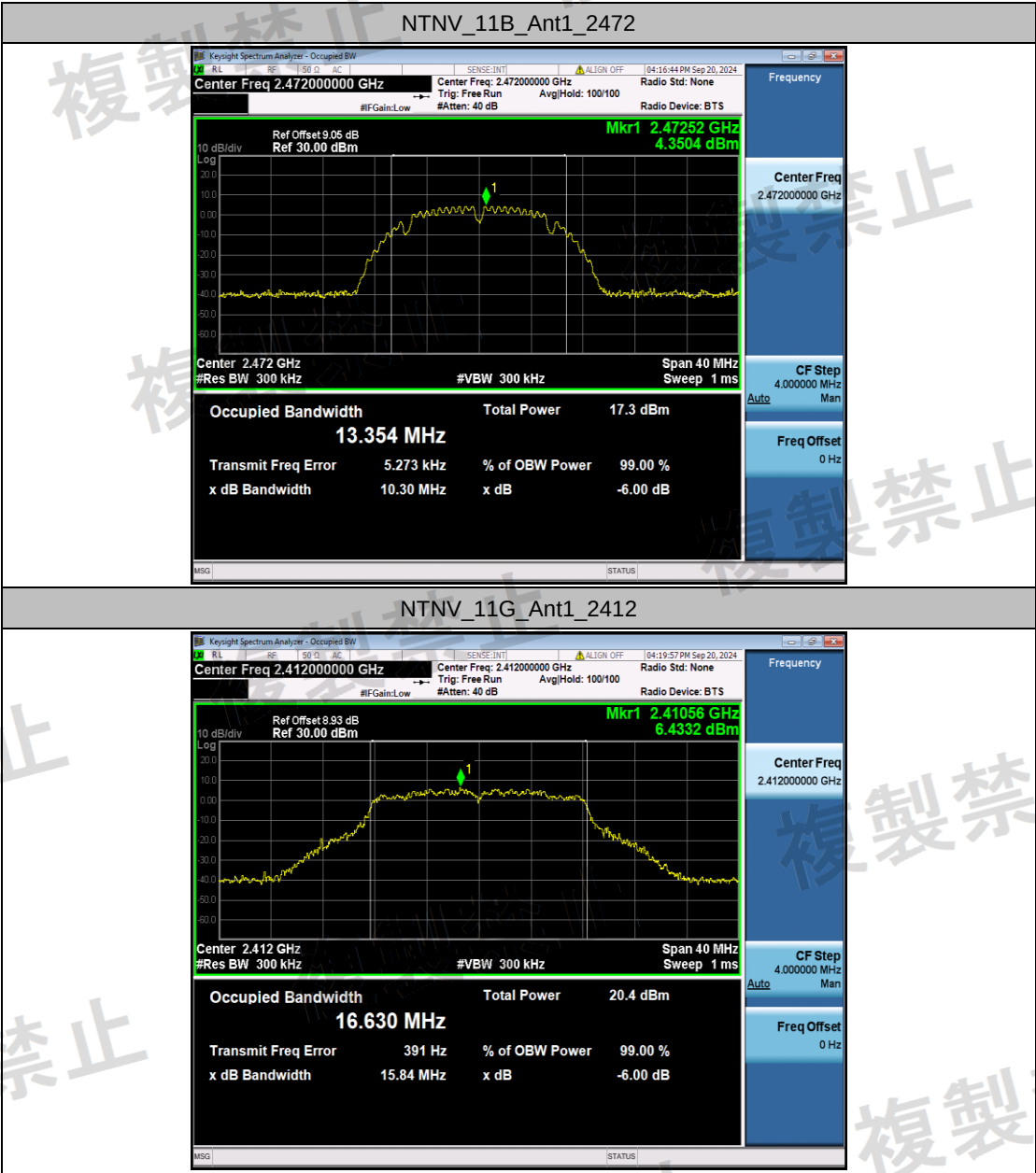


Appendix A.3: Occupied Bandwidth**1.1.5. Test Result**

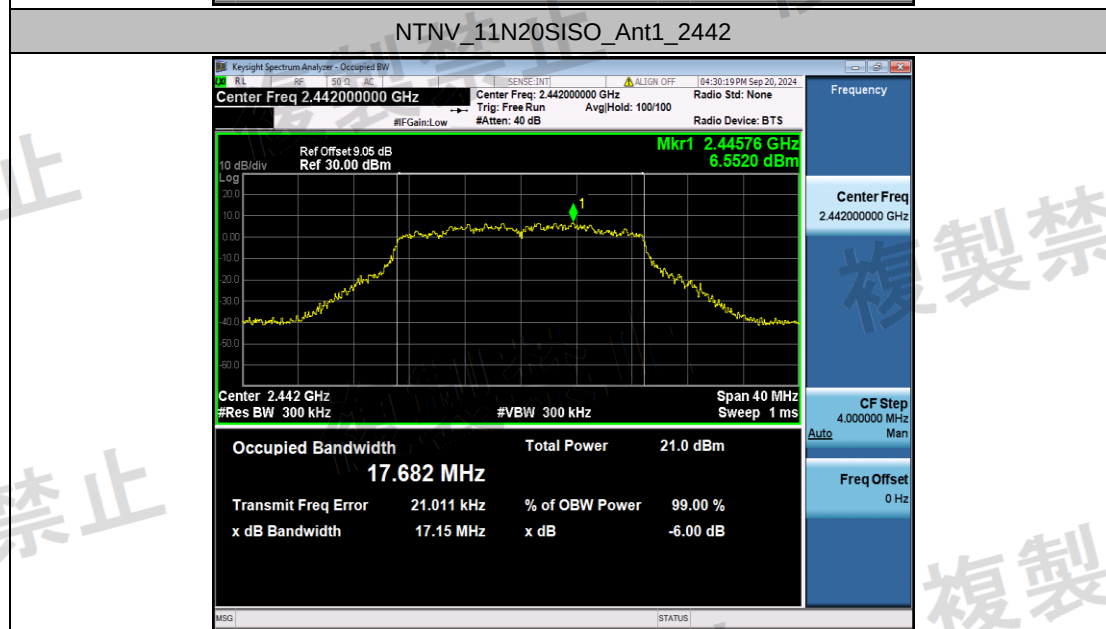
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.455	≤26	PASS
			2442	13.460	≤26	PASS
			2472	13.354	≤26	PASS
	11G	Ant1	2412	16.630	≤26	PASS
			2442	16.611	≤26	PASS
			2472	16.499	≤26	PASS
	11N20SIS O	Ant1	2412	17.668	≤26	PASS
			2442	17.682	≤26	PASS
			2472	17.654	≤26	PASS
	11N40SIS O	Ant1	2422	36.249	26-40	PASS
			2442	36.117	26-40	PASS
			2462	36.393	26-40	PASS

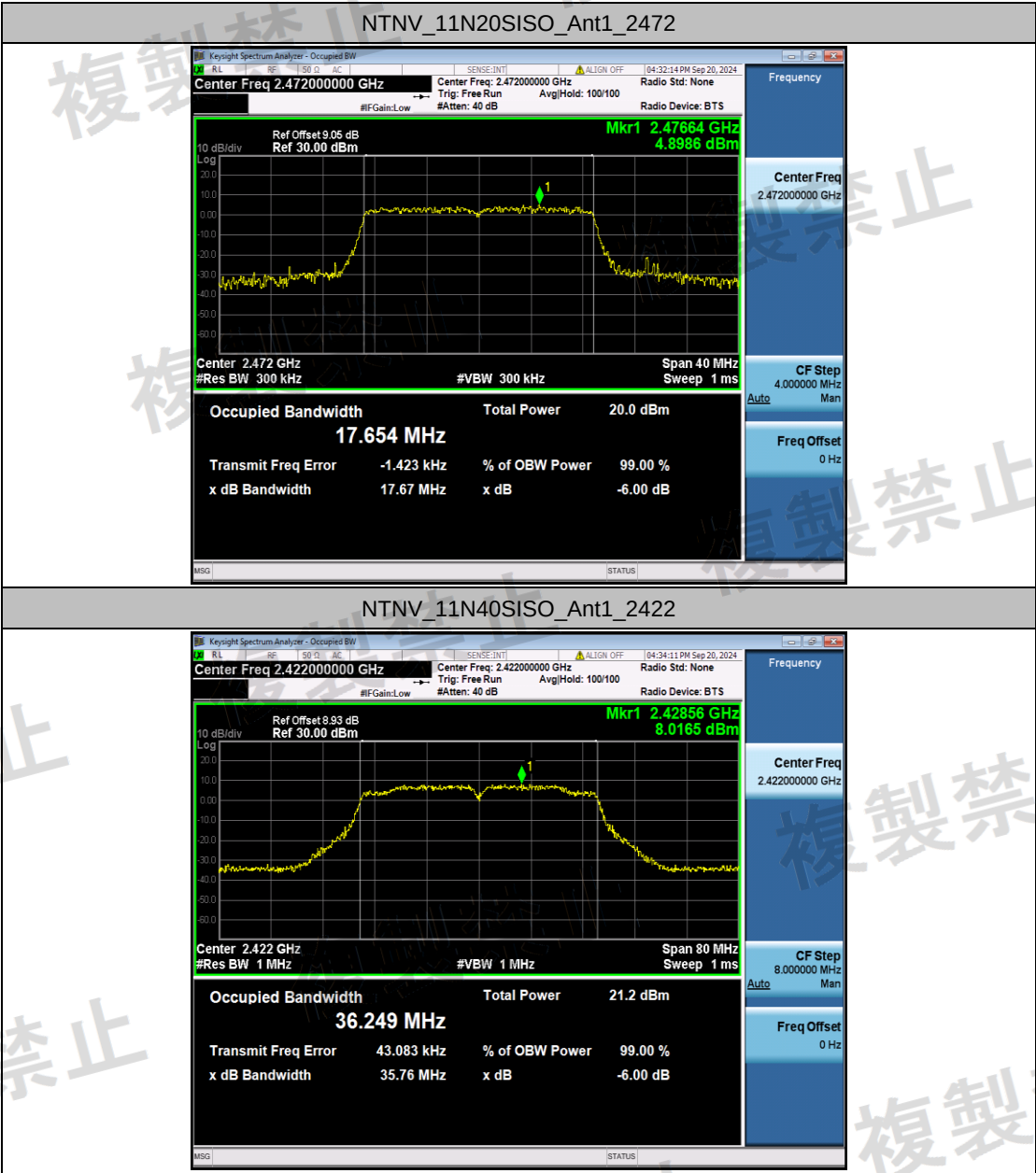
1.1.6.Test Graphs

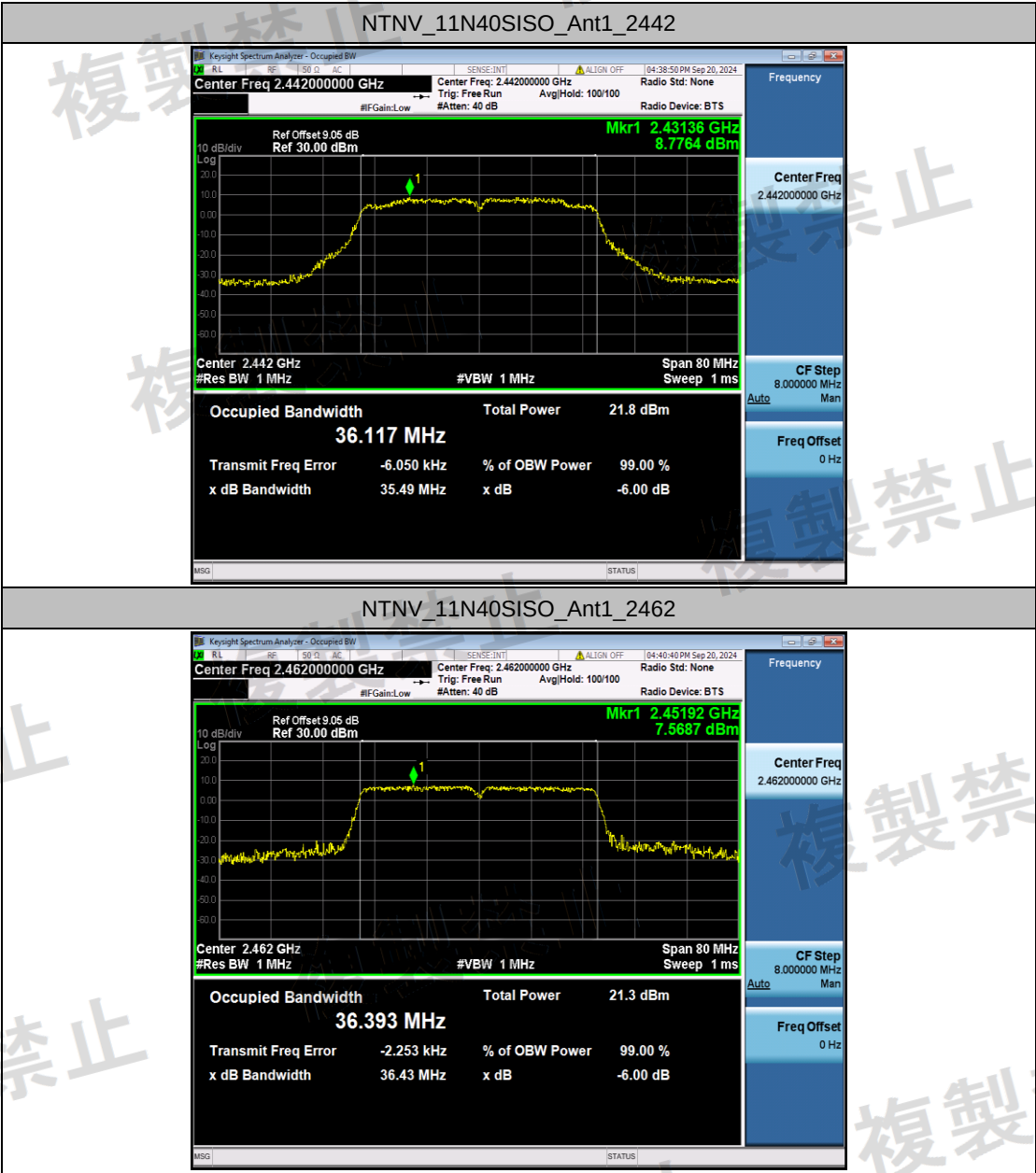








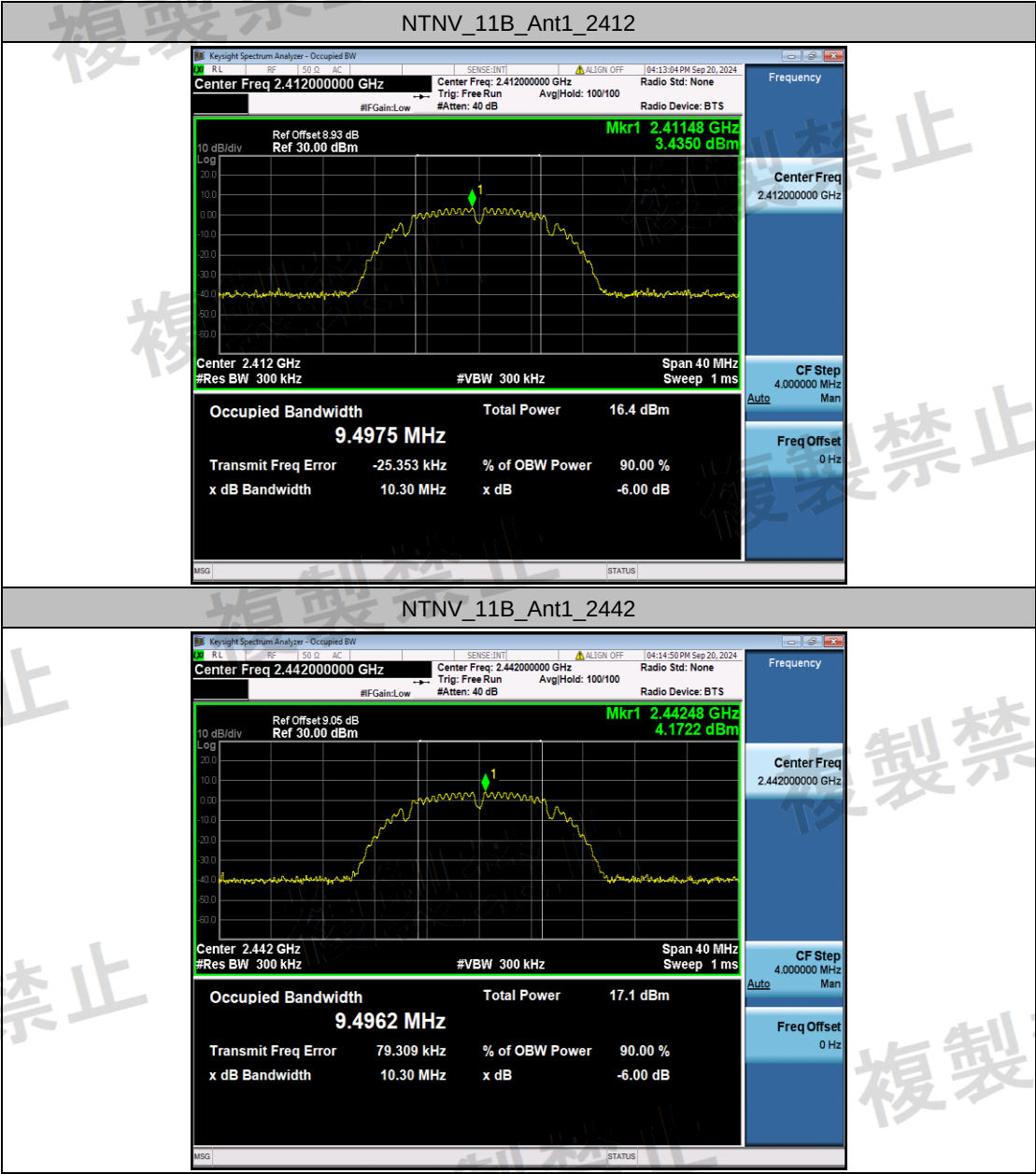


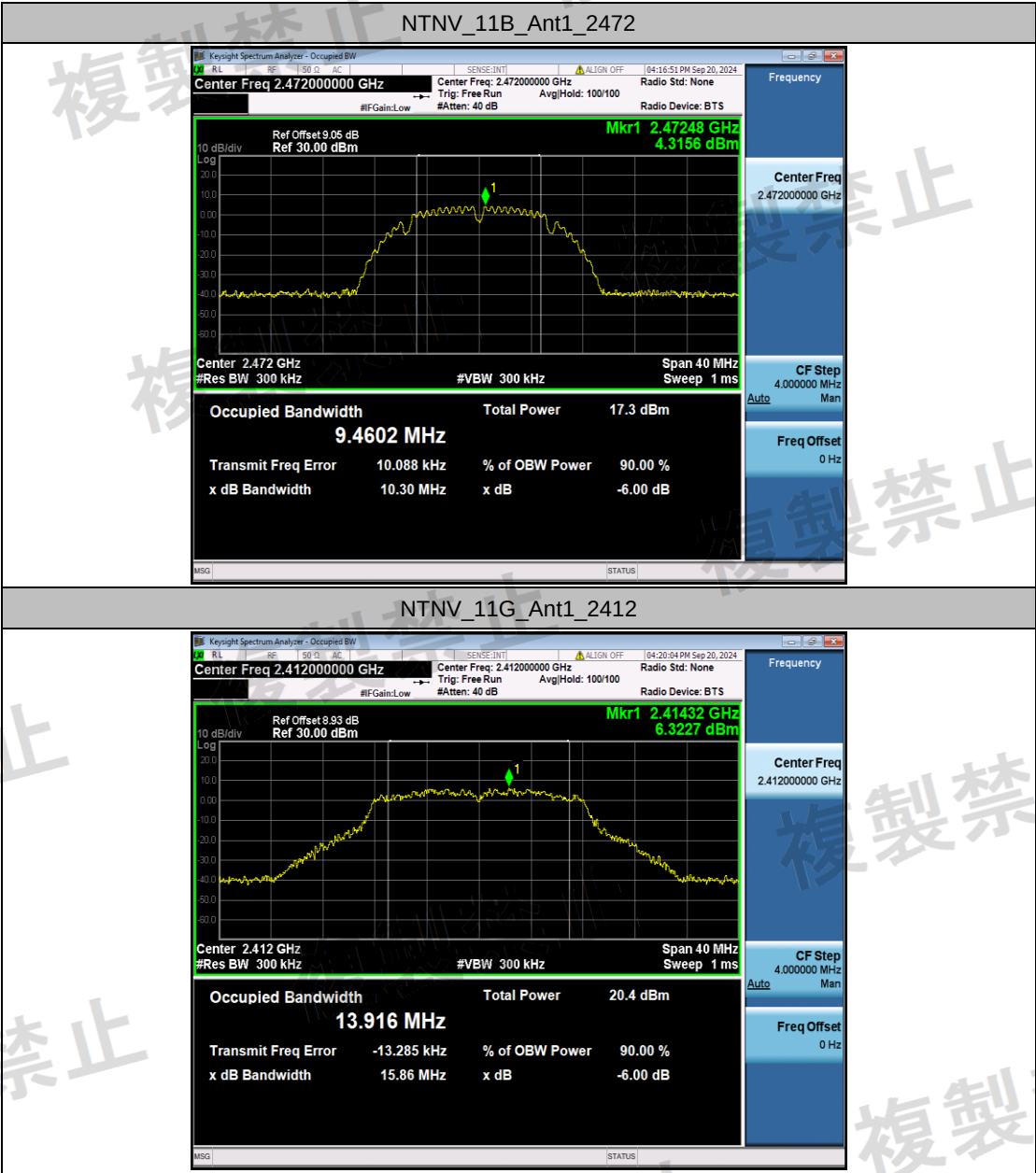


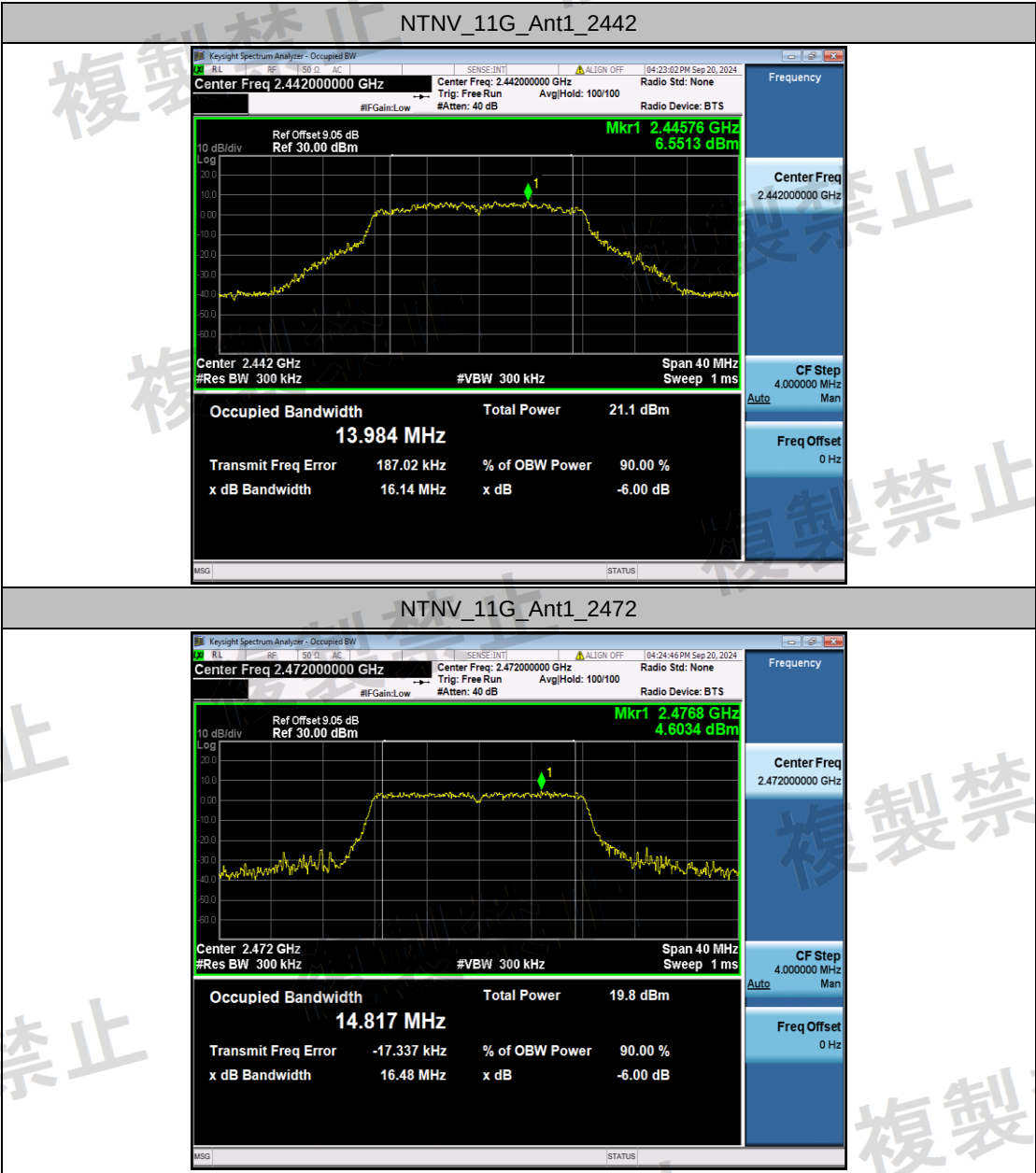
Appendix A.4: Spread Bandwidth**1.1.7. Test Result**

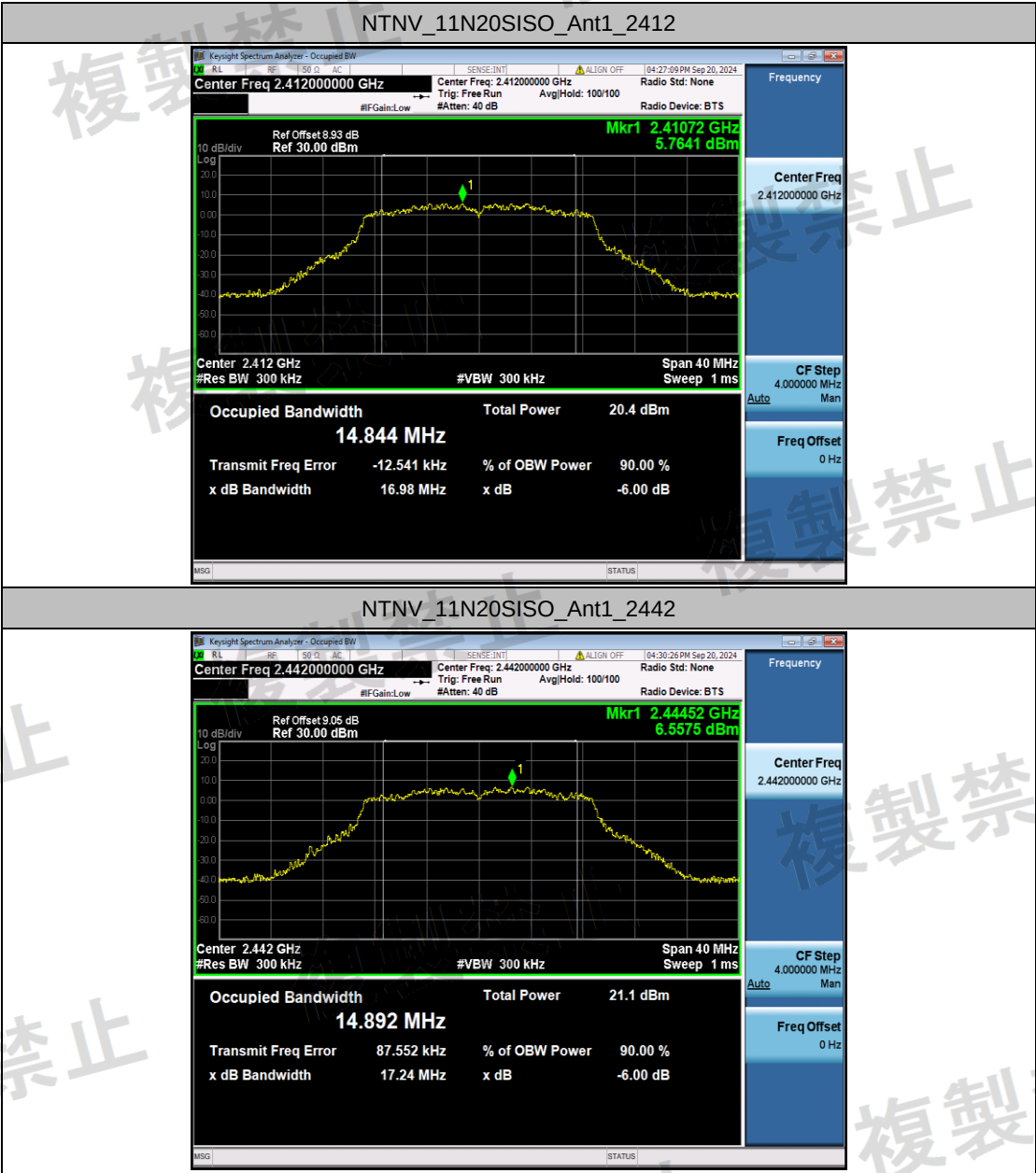
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	11B	Ant1	2412	9.498	≥0.5	6.908	>5	PASS
			2442	9.496	≥0.5	6.906	>5	PASS
			2472	9.460	≥0.5	6.880	>5	PASS
	11G	Ant1	2412	13.916	≥0.5	---	---	PASS
			2442	13.984	≥0.5	---	---	PASS
			2472	14.817	≥0.5	---	---	PASS
	11N20Si SO	Ant1	2412	14.844	≥0.5	---	---	PASS
			2442	14.892	≥0.5	---	---	PASS
			2472	15.681	≥0.5	---	---	PASS
	11N40Si SO	Ant1	2422	30.526	≥0.5	---	---	PASS
			2442	30.011	≥0.5	---	---	PASS
			2462	32.471	≥0.5	---	---	PASS

1.1.8.Test Graphs

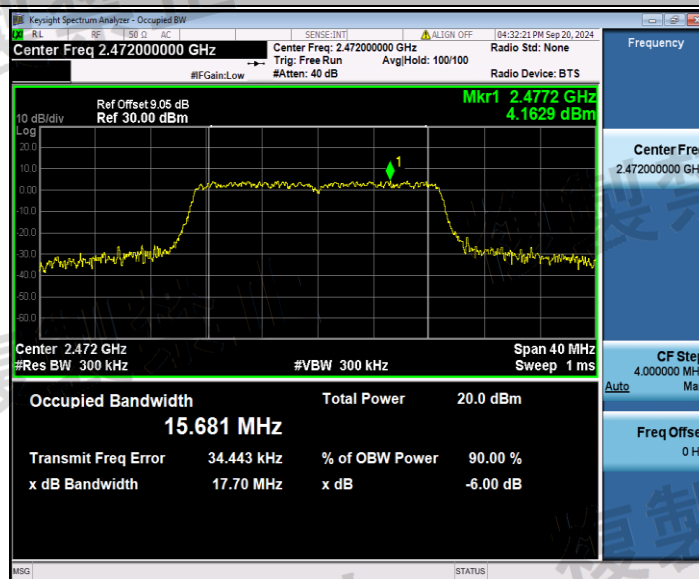




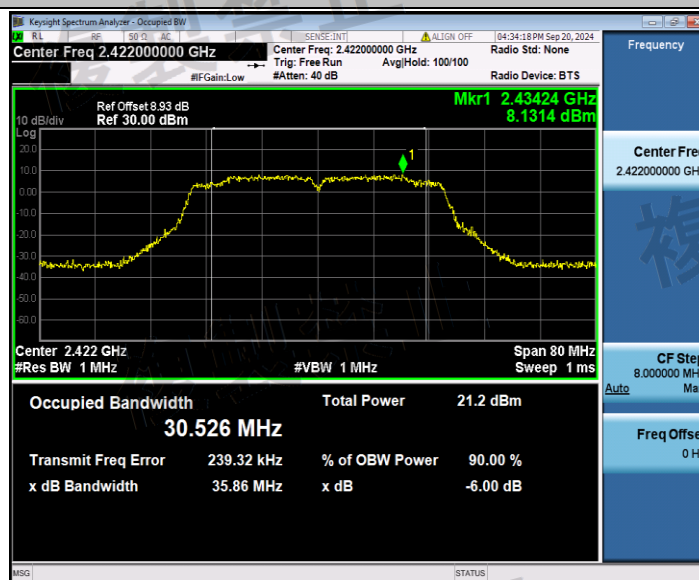




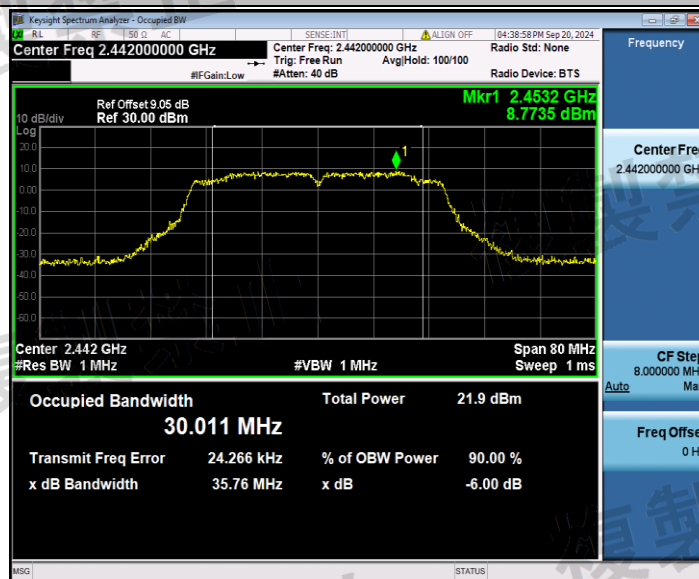
NTNV_11N20SISO_Ant1_2472



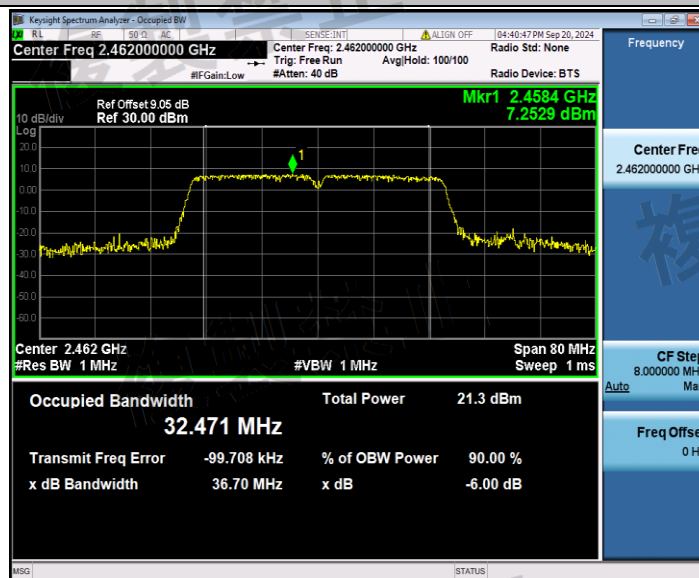
NTNV_11N40SISO_Ant1_2422



NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462



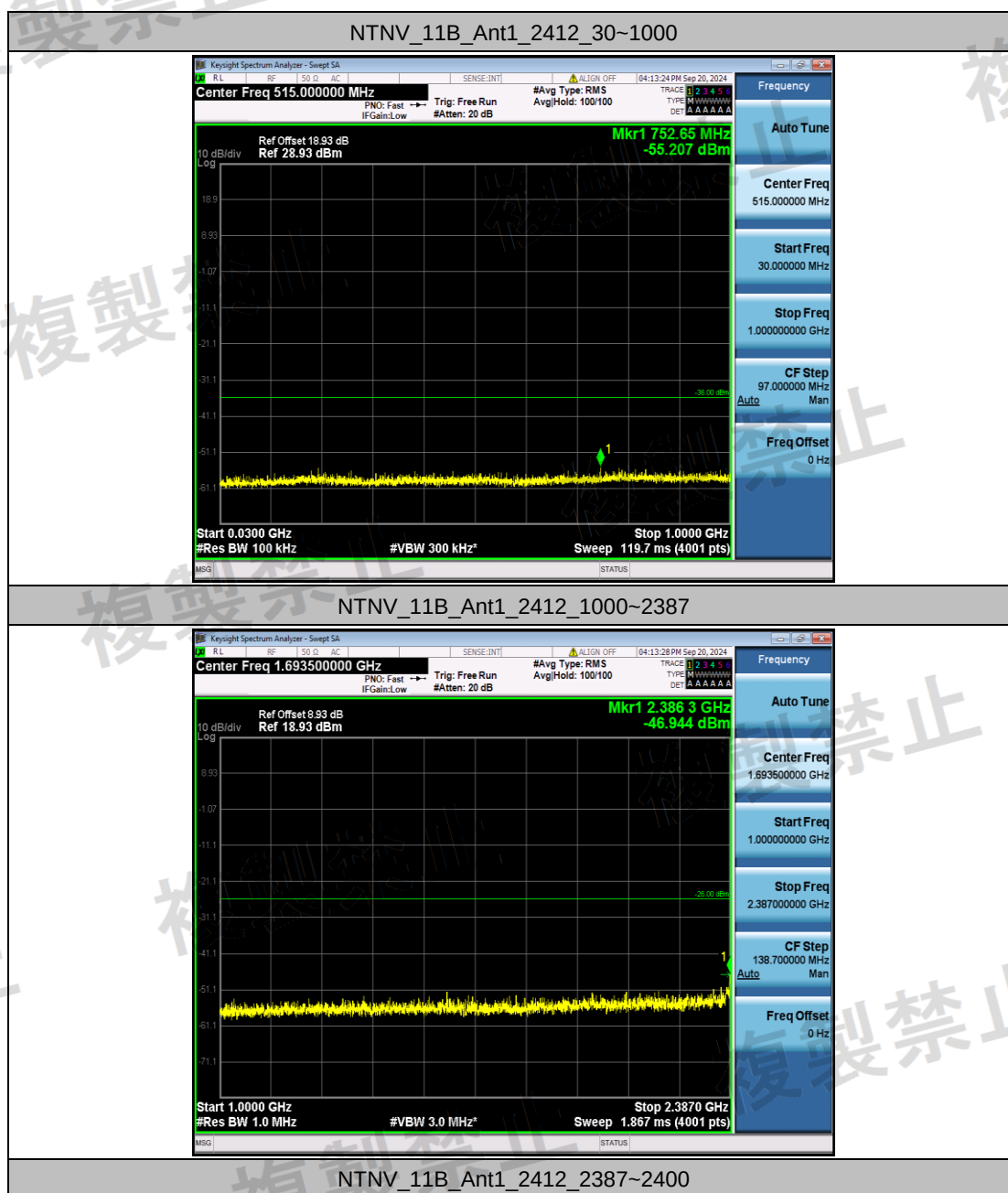
Appendix A.5: Spurious Emission of TX

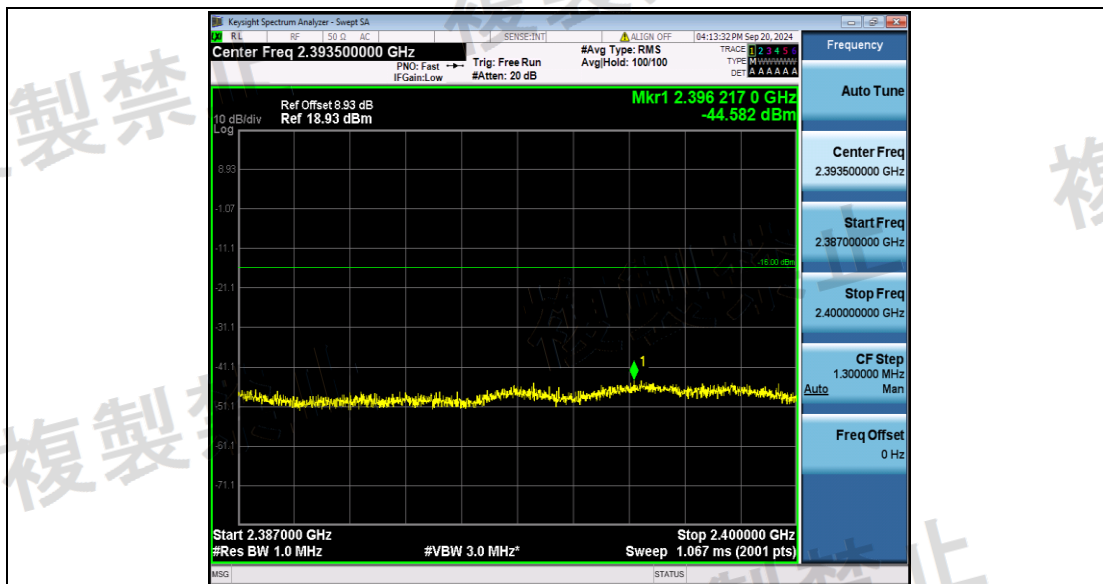
1.1.9. Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μ W]	Limit [μ W]	Verdict
NTNV	11B	Ant1	2412	30~1000	-55.21	≤ -36	0.00301	≤ 0.3	PASS
				1000~2387	-46.94	≤ -26	0.02023	≤ 2.5	PASS
				2387~2400	-44.58	≤ -16	0.03483	≤ 25	PASS
				2483.5~2496.5	-50.84	≤ -16	0.00824	≤ 25	PASS
				2496.5~13000	-49.21	≤ -26	0.01199	≤ 2.5	PASS
			2442	30~1000	-55.17	≤ -36	0.00304	≤ 0.3	PASS
				1000~2387	-50.82	≤ -26	0.00828	≤ 2.5	PASS
				2387~2400	-50.87	≤ -16	0.00818	≤ 25	PASS
				2483.5~2496.5	-48.91	≤ -16	0.01285	≤ 25	PASS
				2496.5~13000	-48.70	≤ -26	0.01349	≤ 2.5	PASS
		2472		30~1000	-54.70	≤ -36	0.00339	≤ 0.3	PASS
				1000~2387	-51.72	≤ -26	0.00673	≤ 2.5	PASS
				2387~2400	-50.37	≤ -16	0.00918	≤ 25	PASS
				2483.5~2496.5	-43.08	≤ -16	0.04920	≤ 25	PASS
				2496.5~13000	-48.76	≤ -26	0.01330	≤ 2.5	PASS
	11G	Ant1	2412	30~1000	-54.71	≤ -36	0.00338	≤ 0.3	PASS
				1000~2387	-51.58	≤ -26	0.00695	≤ 2.5	PASS
				2387~2400	-52.16	≤ -16	0.00608	≤ 25	PASS
				2483.5~2496.5	-51.76	≤ -16	0.00667	≤ 25	PASS
				2496.5~13000	-48.65	≤ -26	0.01365	≤ 2.5	PASS
			2442	30~1000	-55.95	≤ -36	0.00254	≤ 0.3	PASS
				1000~2387	-50.64	≤ -26	0.00863	≤ 2.5	PASS
				2387~2400	-50.21	≤ -16	0.00953	≤ 25	PASS
				2483.5~2496.5	-49.51	≤ -16	0.01119	≤ 25	PASS
				2496.5~13000	-48.45	≤ -26	0.01429	≤ 2.5	PASS
			2472	30~1000	-55.38	≤ -36	0.00290	≤ 0.3	PASS
				1000~2387	-51.52	≤ -26	0.00705	≤ 2.5	PASS
				2387~2400	-51.79	≤ -16	0.00662	≤ 25	PASS
				2483.5~2496.5	-51.97	≤ -16	0.00635	≤ 25	PASS
				2496.5~13000	-49.10	≤ -26	0.01230	≤ 2.5	PASS
	11N20SI SO	Ant1	2412	30~1000	-49.50	≤ -36	0.01122	≤ 0.3	PASS
				1000~2387	-50.43	≤ -26	0.00906	≤ 2.5	PASS
				2387~2400	-51.91	≤ -16	0.00644	≤ 25	PASS
				2483.5~2496.5	-51.75	≤ -16	0.00668	≤ 25	PASS
				2496.5~13000	-48.48	≤ -26	0.01419	≤ 2.5	PASS
			2442	30~1000	-55.57	≤ -36	0.00277	≤ 0.3	PASS
				1000~2387	-50.88	≤ -26	0.00817	≤ 2.5	PASS
				2387~2400	-49.95	≤ -16	0.01012	≤ 25	PASS
				2483.5~2496.5	-48.95	≤ -16	0.01274	≤ 25	PASS
				2496.5~13000	-48.72	≤ -26	0.01343	≤ 2.5	PASS
			2472	30~1000	-55.53	≤ -36	0.00280	≤ 0.3	PASS
				1000~2387	-51.26	≤ -26	0.00748	≤ 2.5	PASS

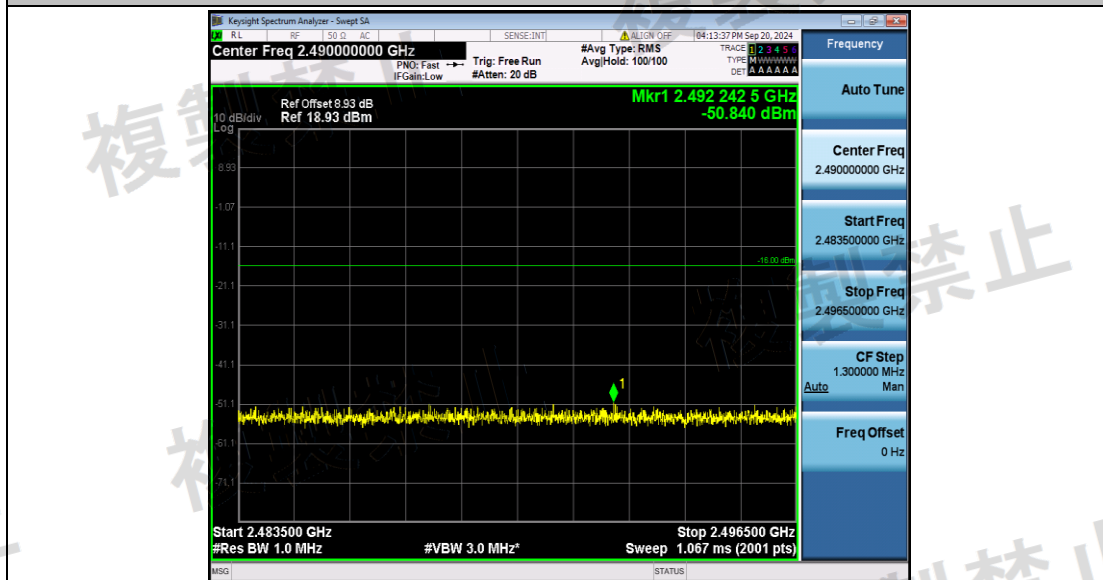
	11N40SI SO	Ant1		2387~2400	-50.79	≤-16	0.00834	≤25	PASS
				2483.5~2496.5	-51.88	≤-16	0.00649	≤25	PASS
				2496.5~13000	-49.00	≤-26	0.01259	≤2.5	PASS
			2422	30~1000	-55.41	≤-36	0.00288	≤0.3	PASS
				1000~2387	-50.33	≤-26	0.00927	≤2.5	PASS
				2387~2400	-51.11	≤-16	0.00774	≤25	PASS
				2483.5~2496.5	-51.64	≤-16	0.00685	≤25	PASS
				2496.5~13000	-49.08	≤-26	0.01236	≤2.5	PASS
			2442	30~1000	-55.18	≤-36	0.00303	≤0.3	PASS
				1000~2387	-44.05	≤-26	0.03936	≤2.5	PASS
				2387~2400	-39.96	≤-16	0.10093	≤25	PASS
				2483.5~2496.5	-35.46	≤-16	0.28445	≤25	PASS
				2496.5~13000	-45.59	≤-26	0.02761	≤2.5	PASS
			2462	30~1000	-55.54	≤-36	0.00279	≤0.3	PASS
				1000~2387	-50.22	≤-26	0.00951	≤2.5	PASS
				2387~2400	-51.85	≤-16	0.00653	≤25	PASS
				2483.5~2496.5	-51.17	≤-16	0.00764	≤25	PASS
				2496.5~13000	-49.03	≤-26	0.01250	≤2.5	PASS

1.1.10. Test Graphs

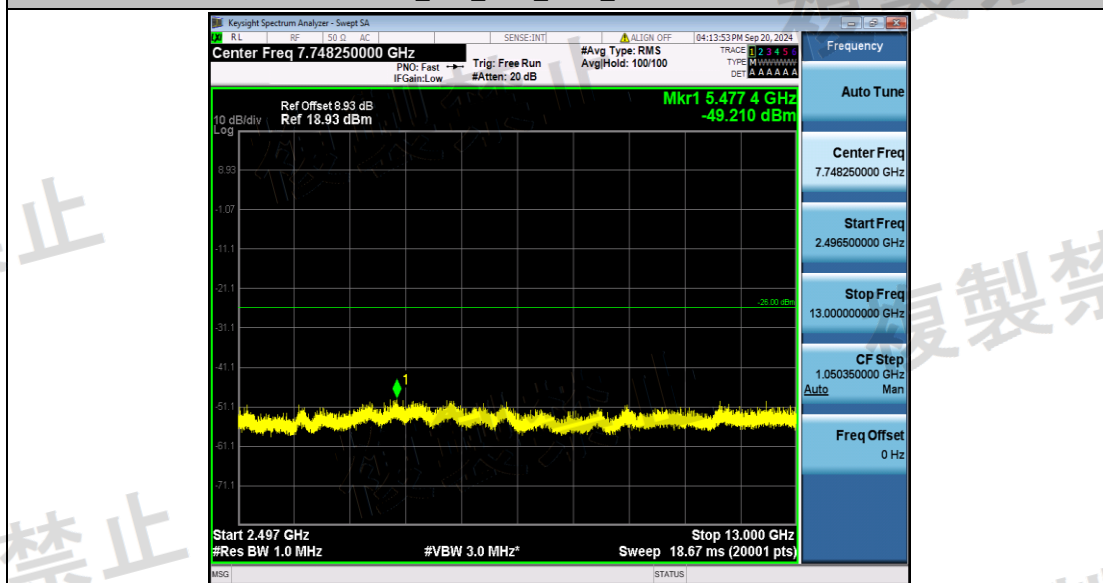




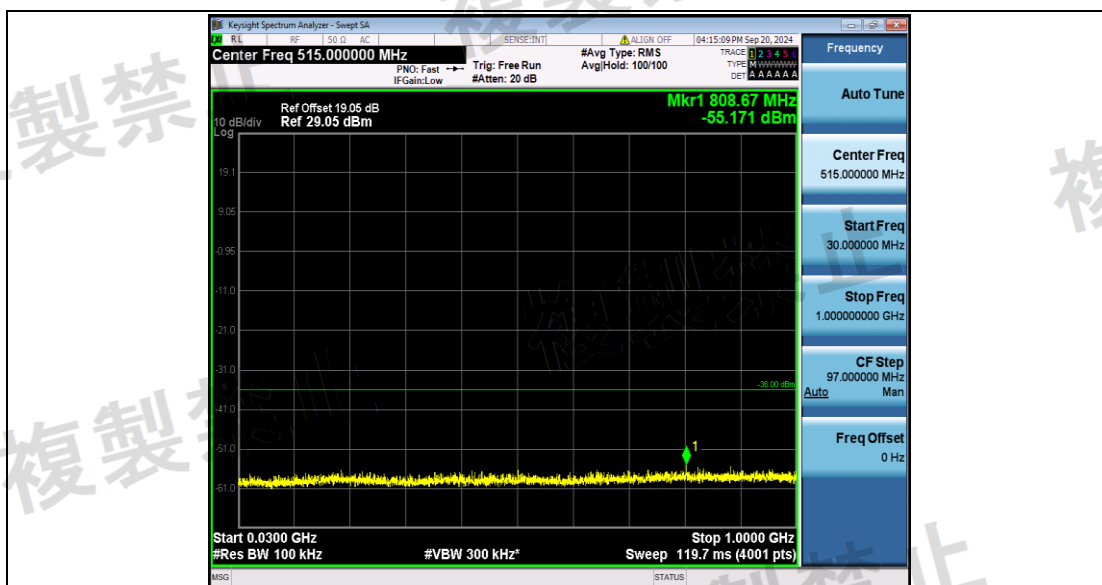
NTNV_11B_Ant1_2412_2483.5~2496.5



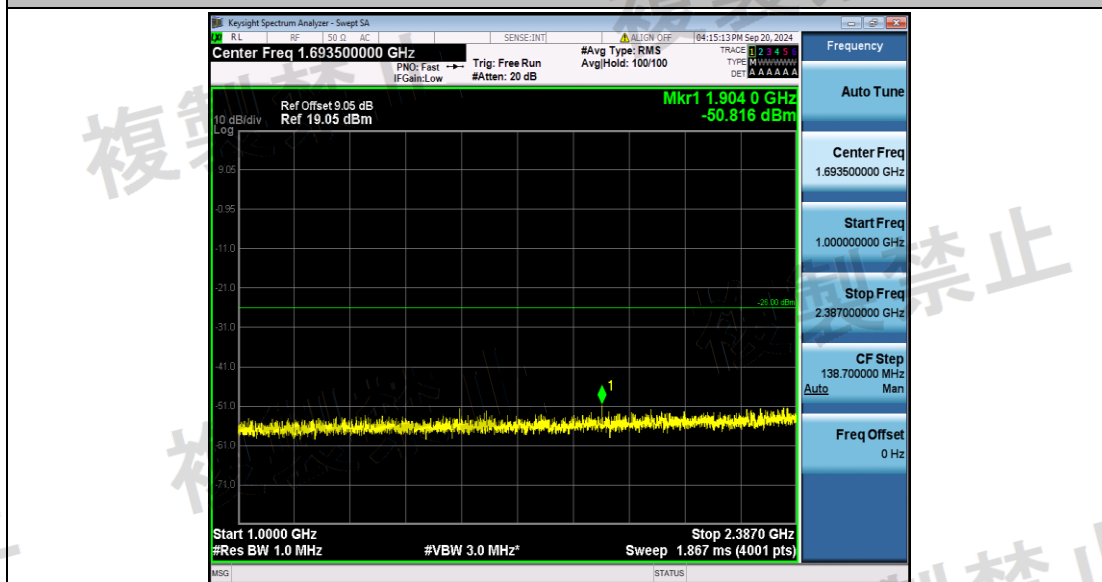
NTNV_11B_Ant1_2412_2496.5~13000



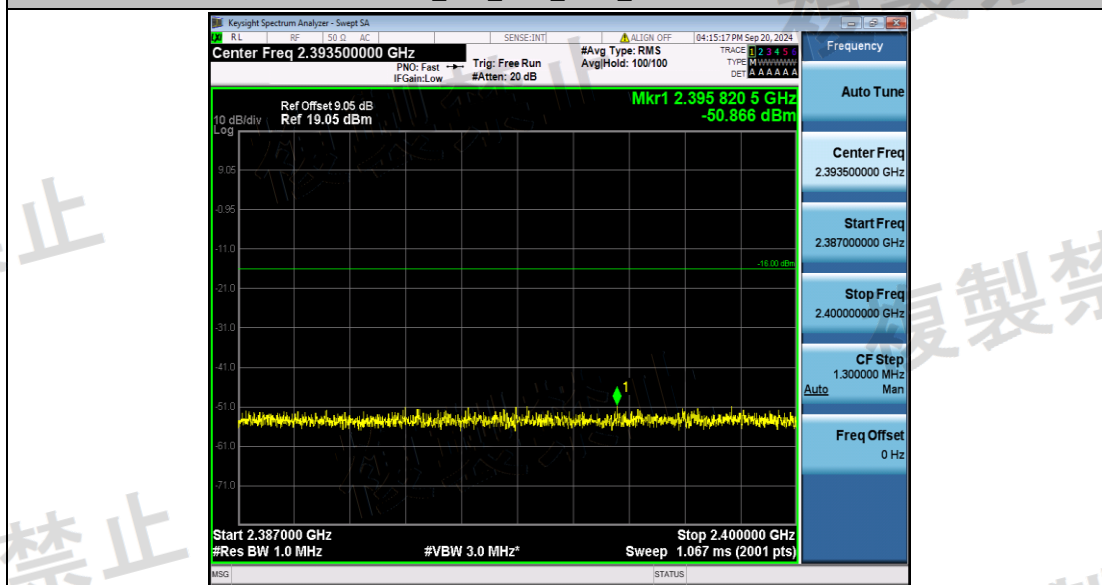
NTNV_11B_Ant1_2442_30~1000



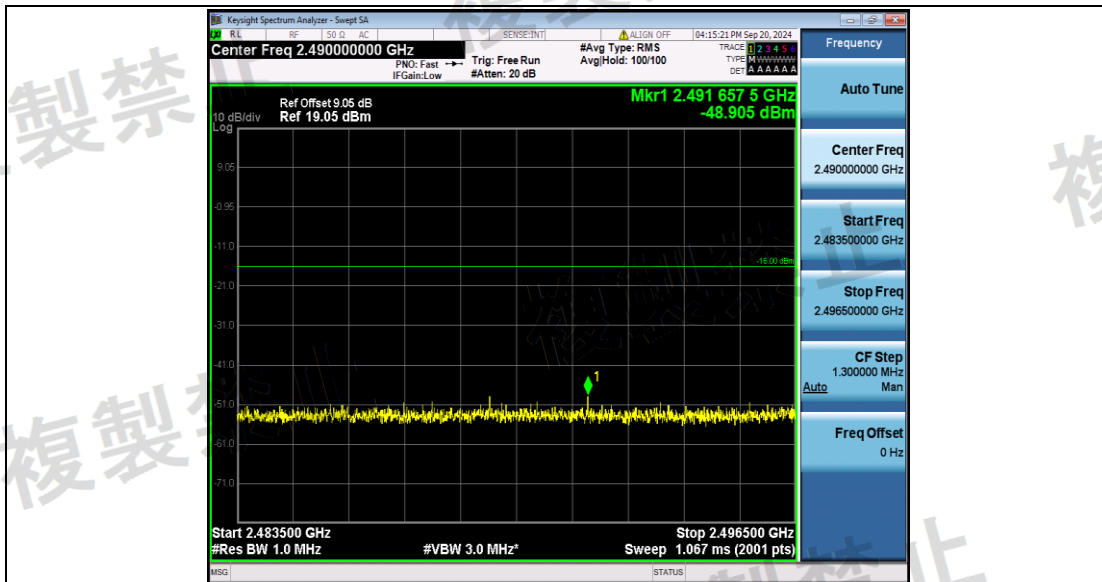
NTNV_11B_Ant1_2442_1000~2387



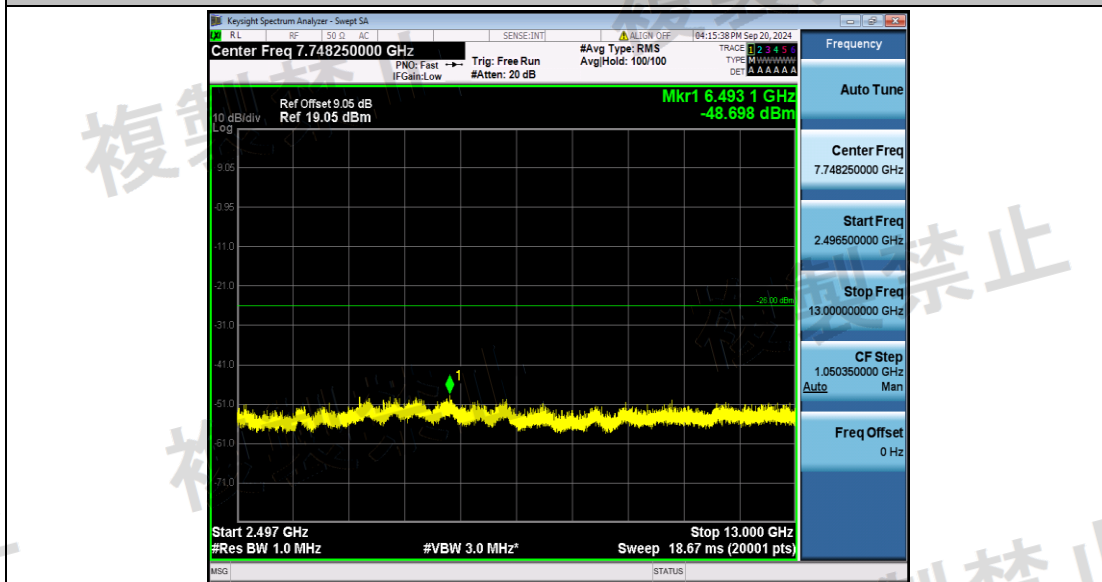
NTNV_11B_Ant1_2442_2387~2400



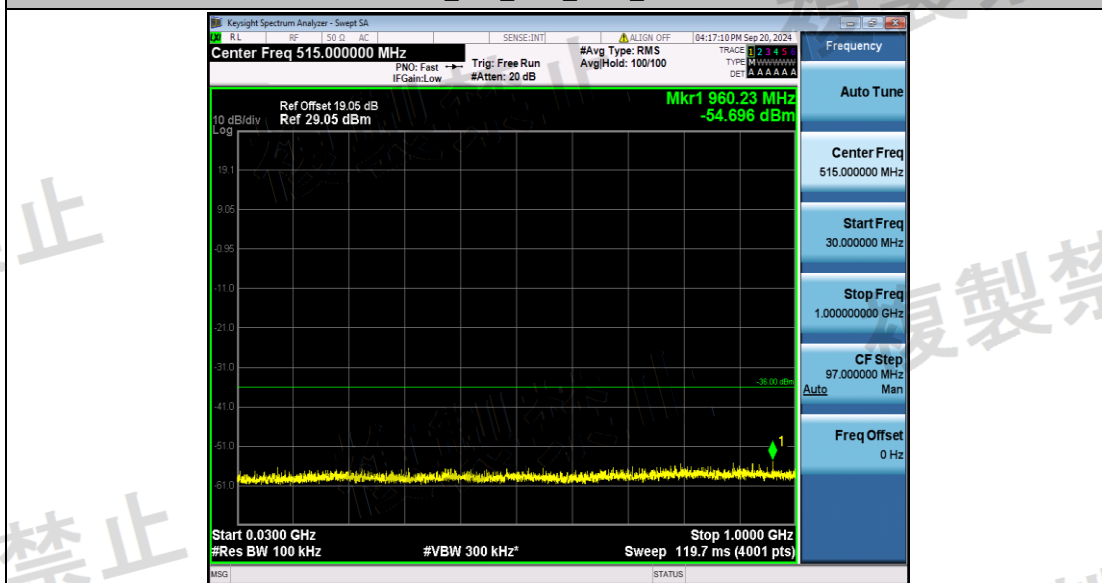
NTNV_11B_Ant1_2442_2483.5~2496.5



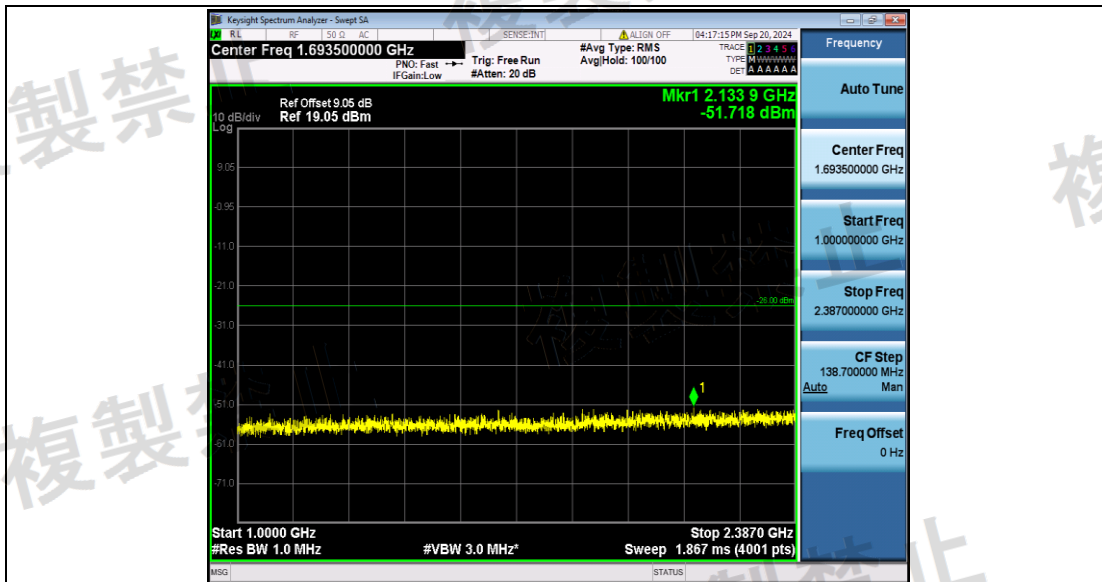
NTNV_11B_Ant1_2442_2496.5~13000



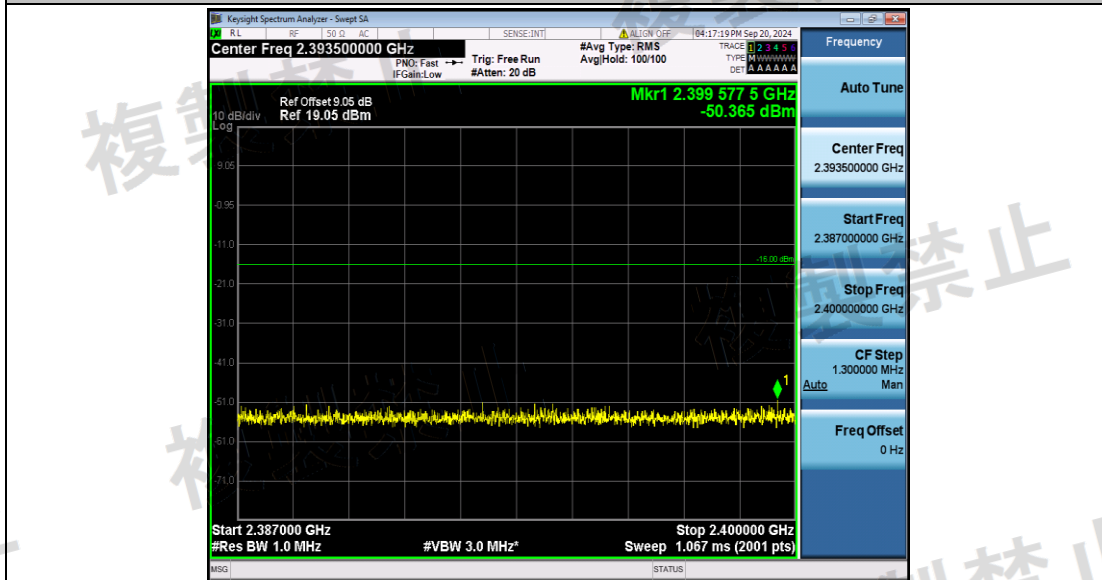
NTNV_11B_Ant1_2472_30~1000



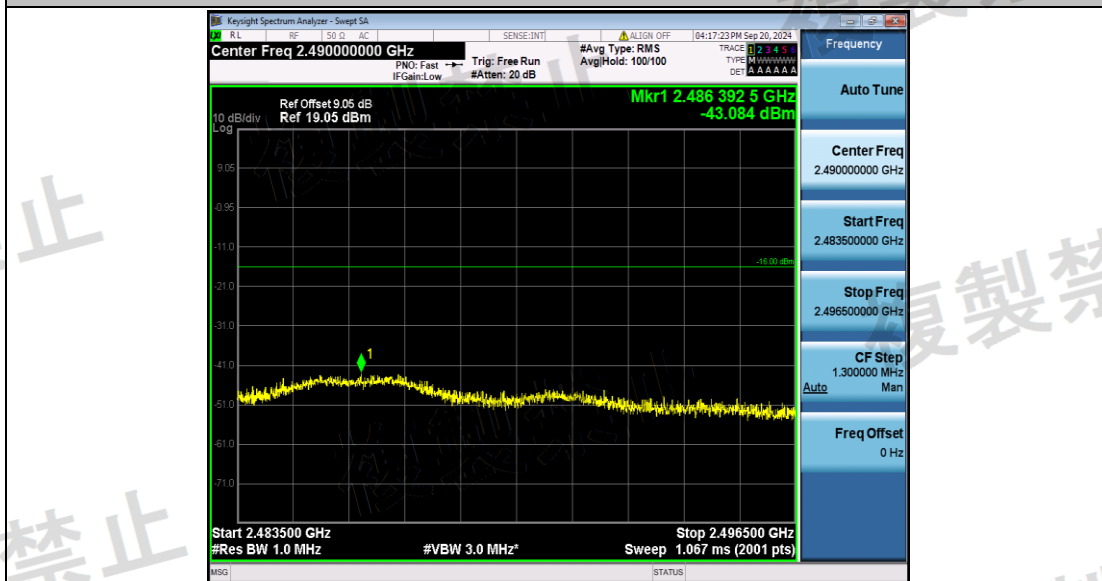
NTNV_11B_Ant1_2472_1000~2387



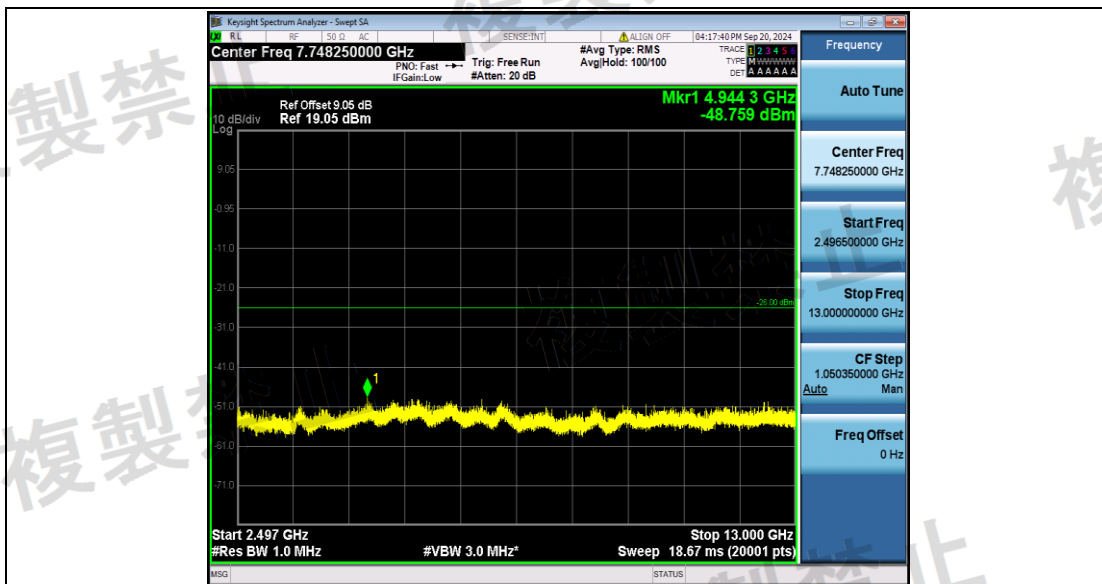
NTNV_11B_Ant1_2472_2387~2400



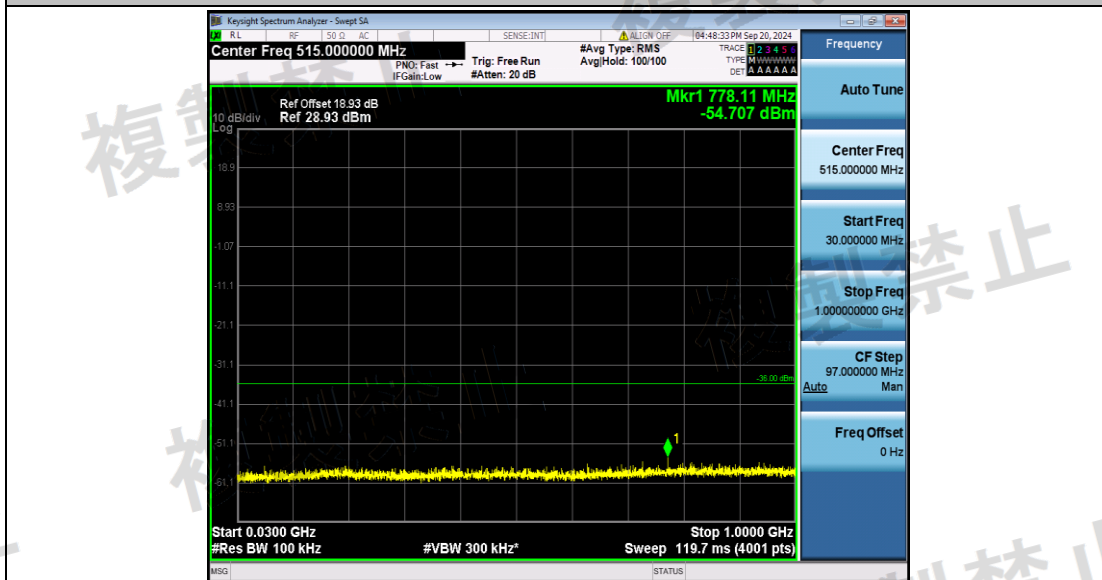
NTNV_11B_Ant1_2472_2483.5~2496.5



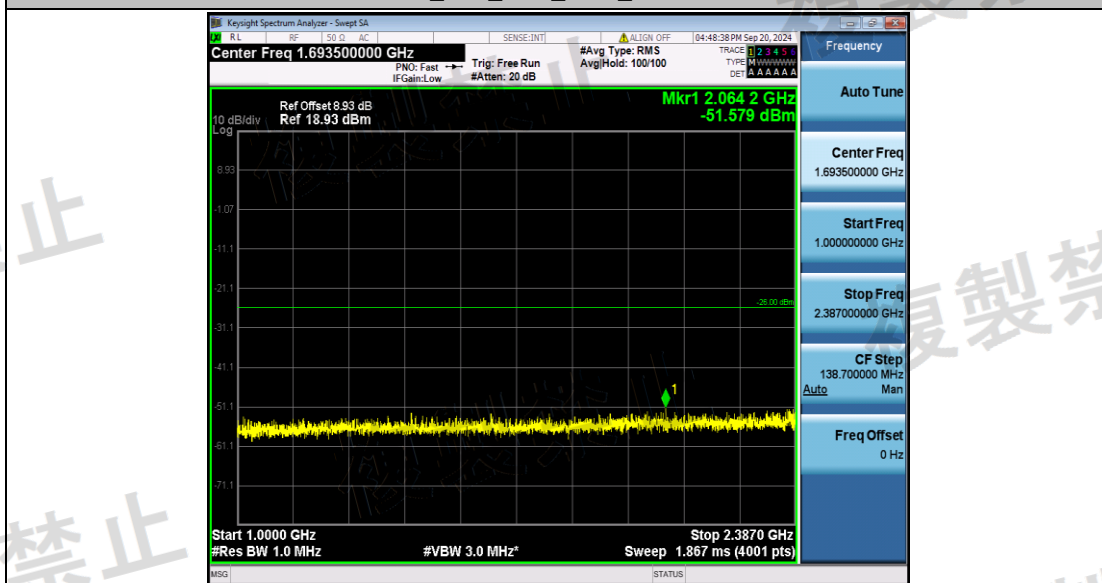
NTNV_11B_Ant1_2472_2496.5~13000



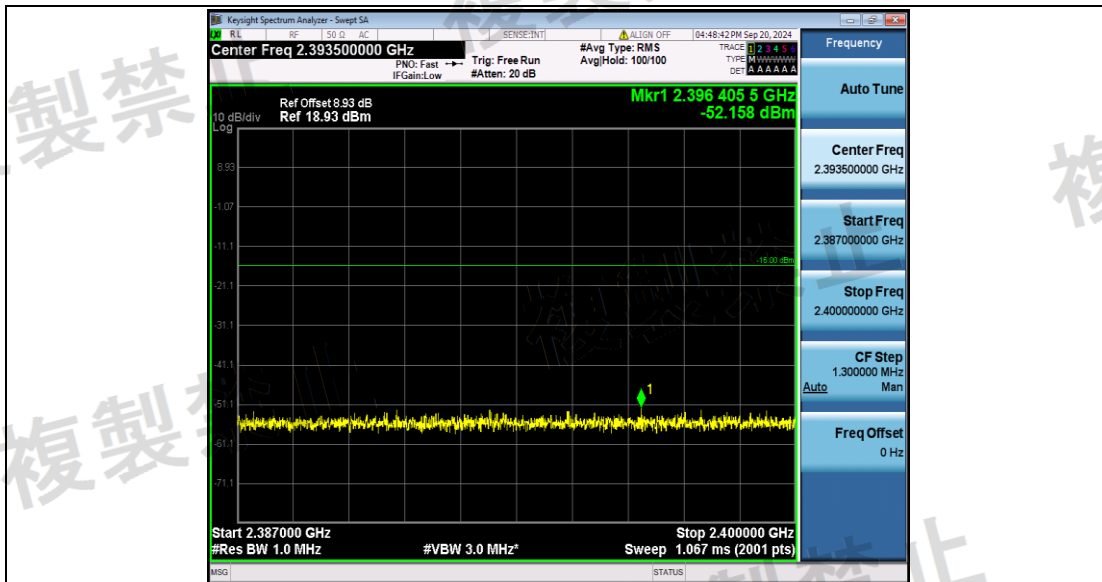
NTNV_11G_Ant1_2412_30~1000



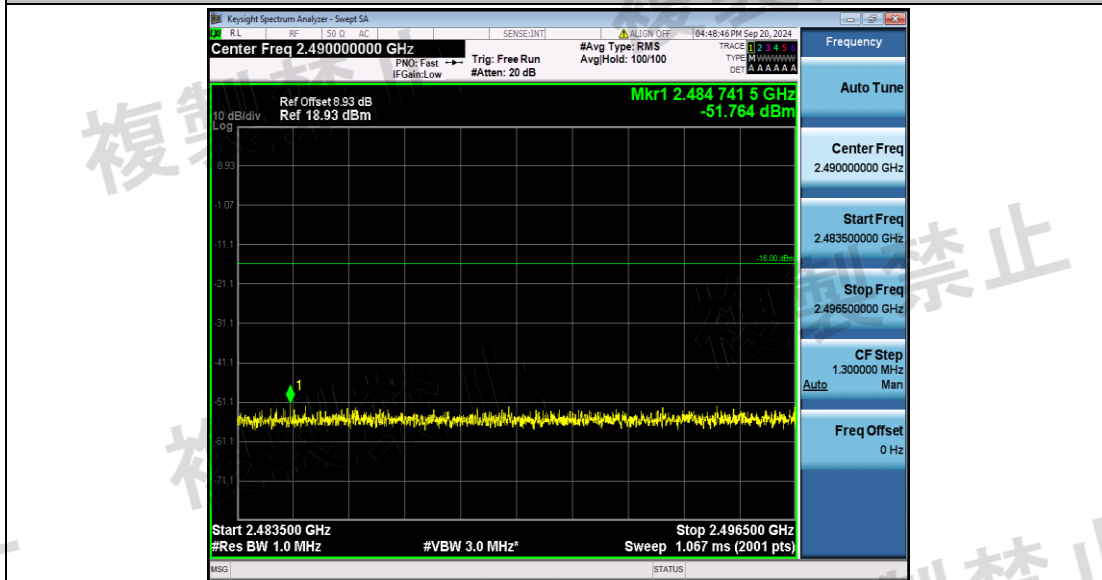
NTNV_11G_Ant1_2412_1000~2387



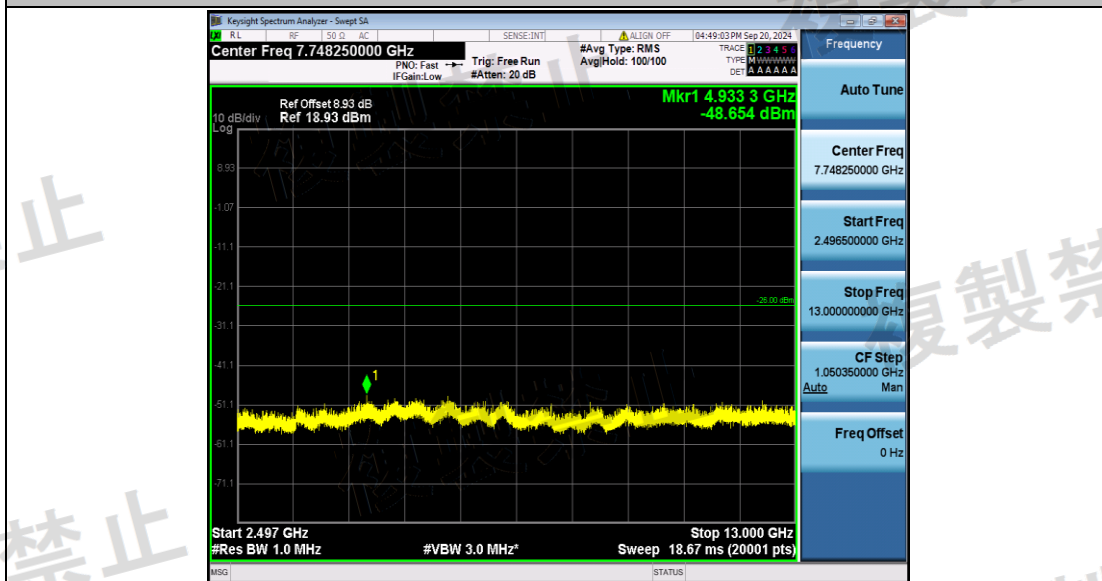
NTNV_11G_Ant1_2412_2387~2400



NTNV_11G_Ant1_2412_2483.5~2496.5



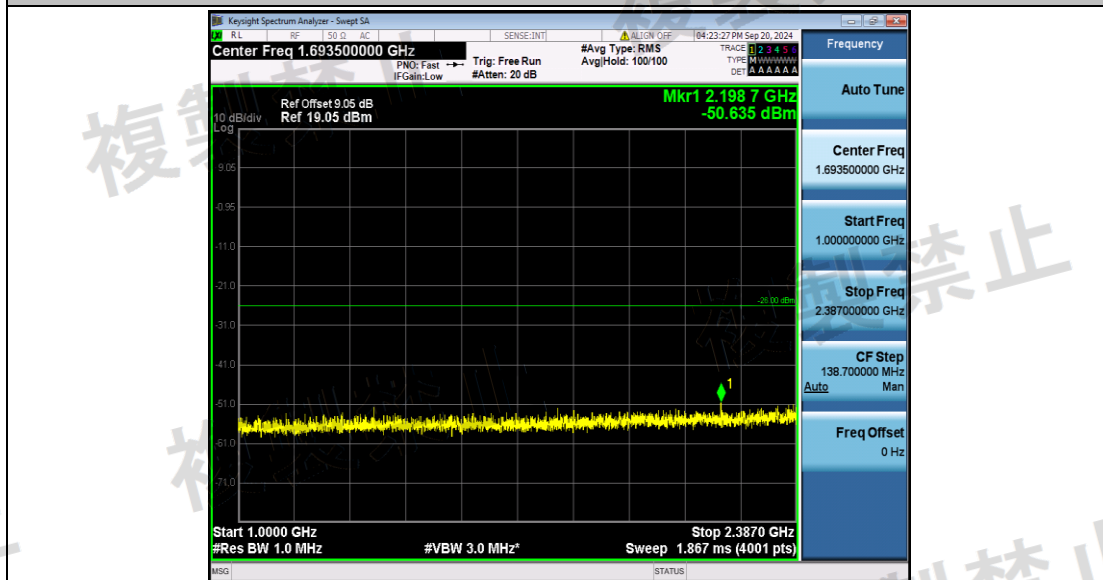
NTNV_11G_Ant1_2412_2496.5~13000



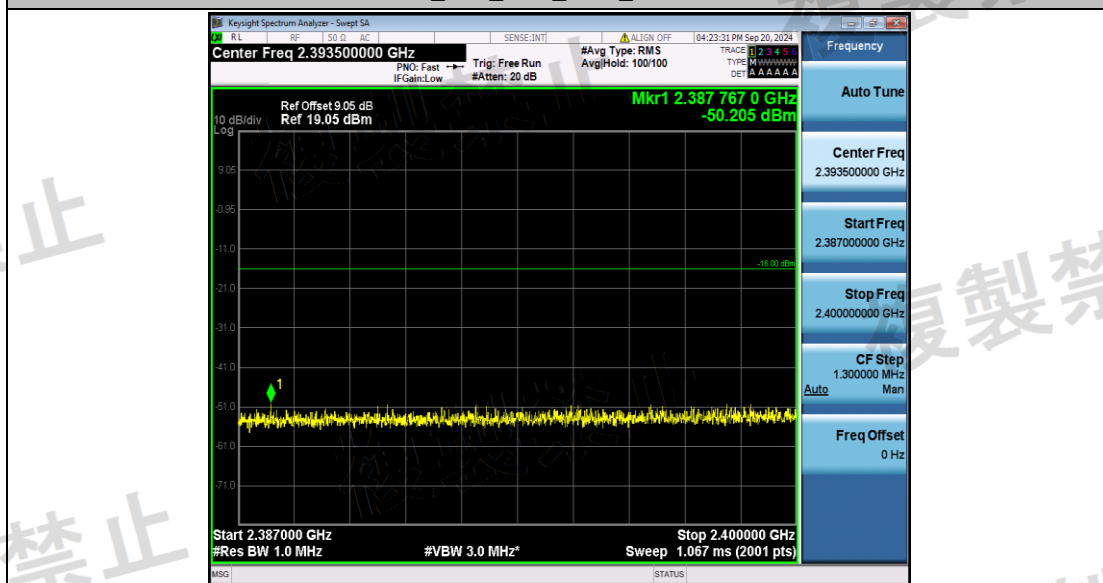
NTNV_11G_Ant1_2442_30~1000



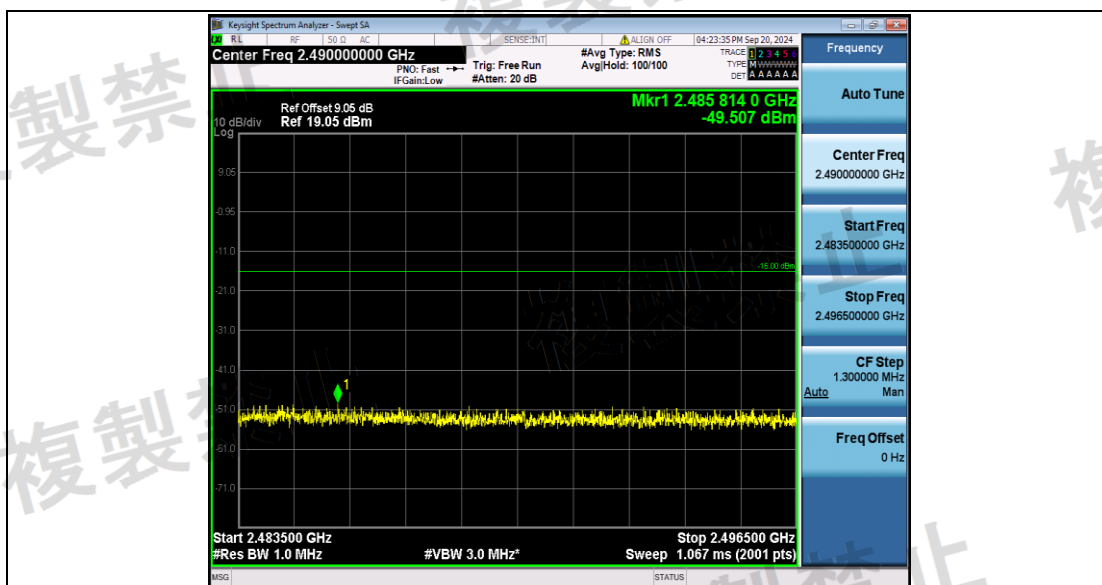
NTNV_11G_Ant1_2442_1000~2387



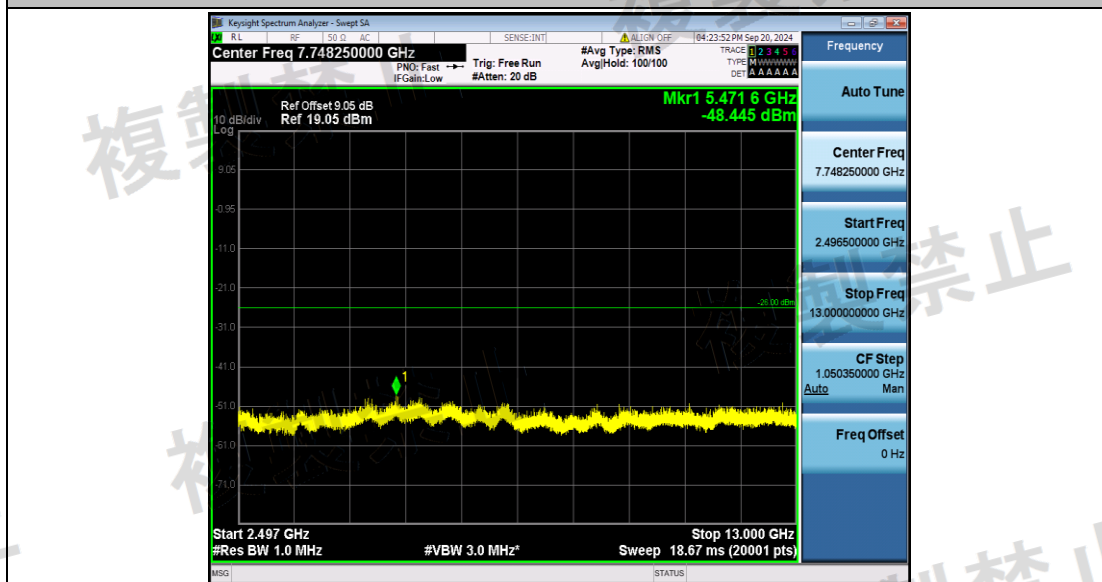
NTNV_11G_Ant1_2442_2387~2400



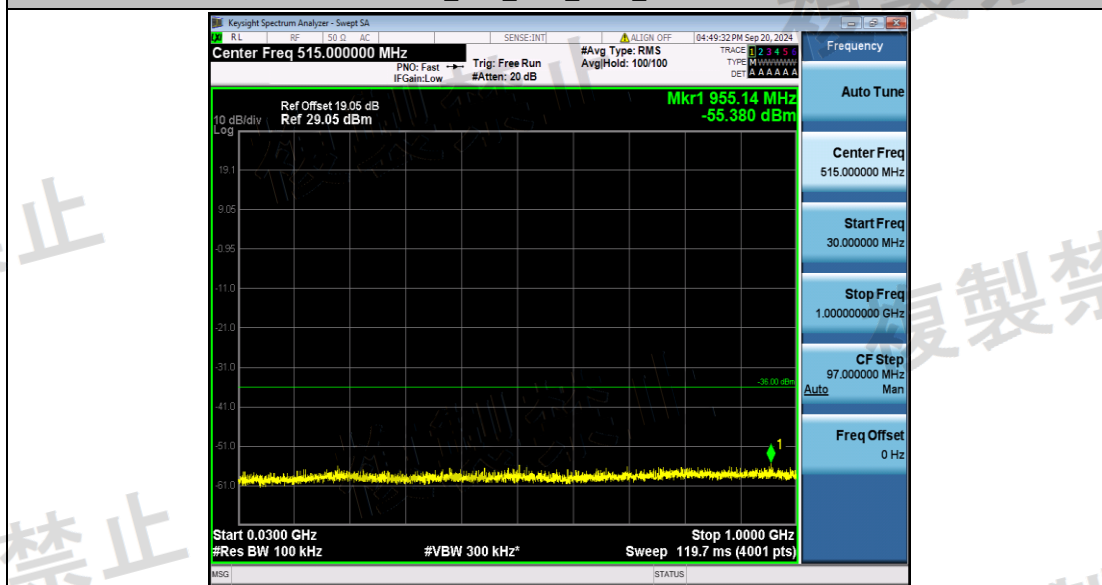
NTNV_11G_Ant1_2442_2483.5~2496.5



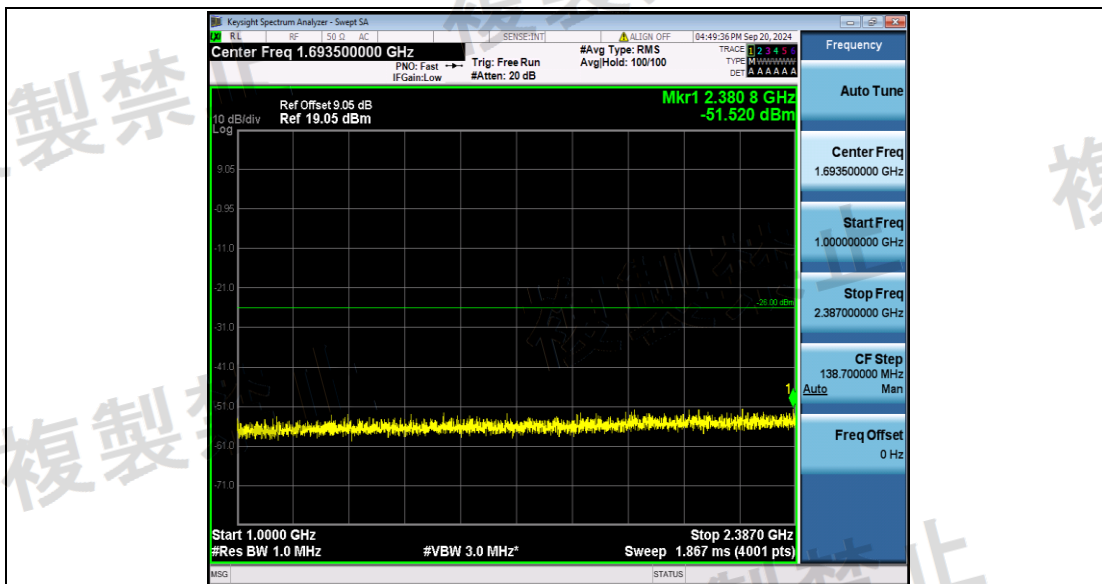
NTNV_11G_Ant1_2442_2496.5~13000



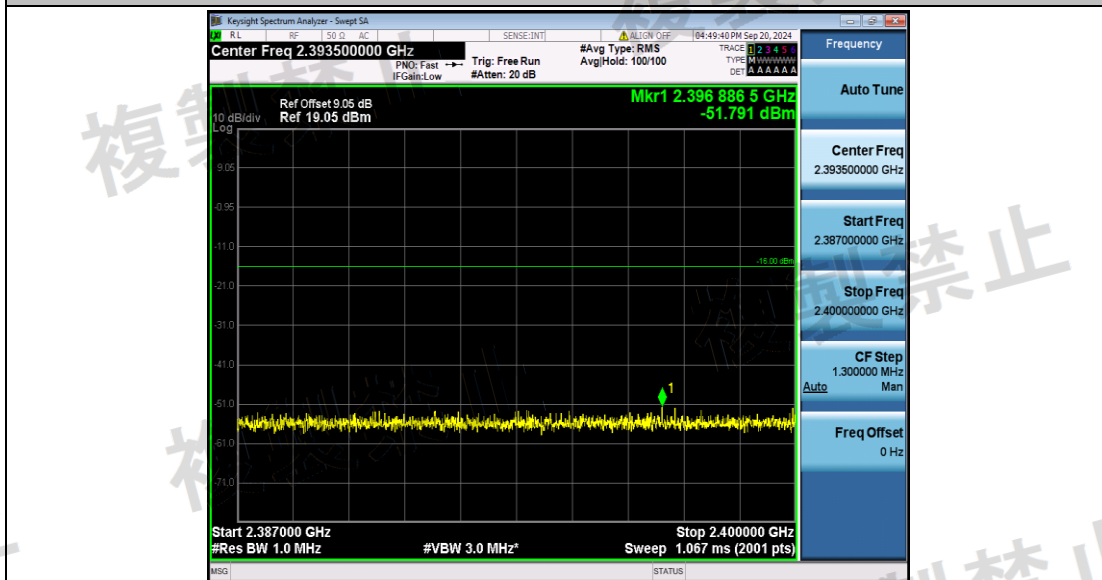
NTNV_11G_Ant1_2472_30~1000



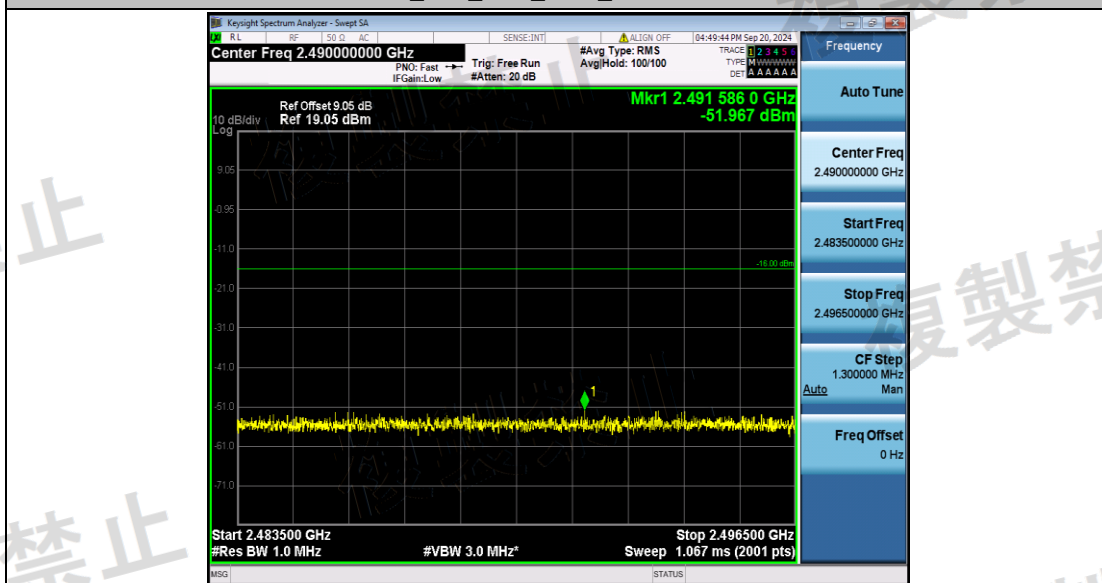
NTNV_11G_Ant1_2472_1000~2387



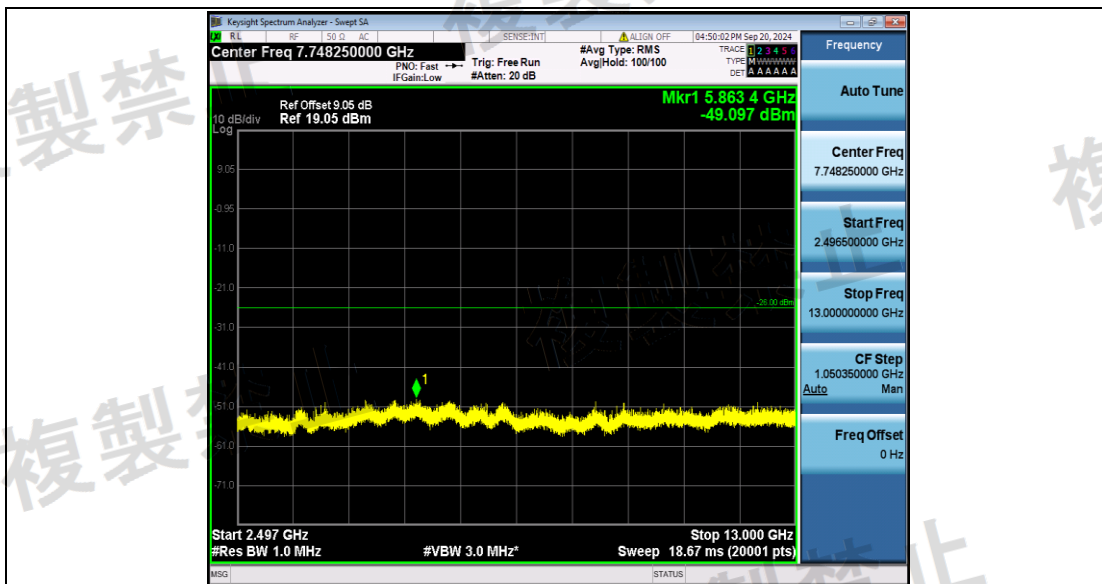
NTNV_11G_Ant1_2472_2387~2400



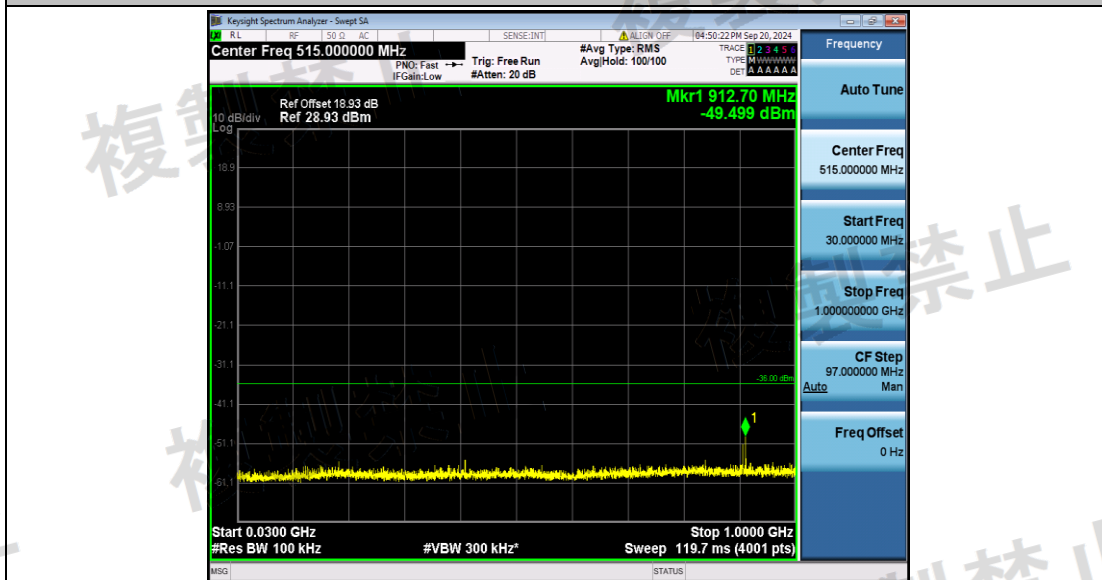
NTNV_11G_Ant1_2472_2483.5~2496.5



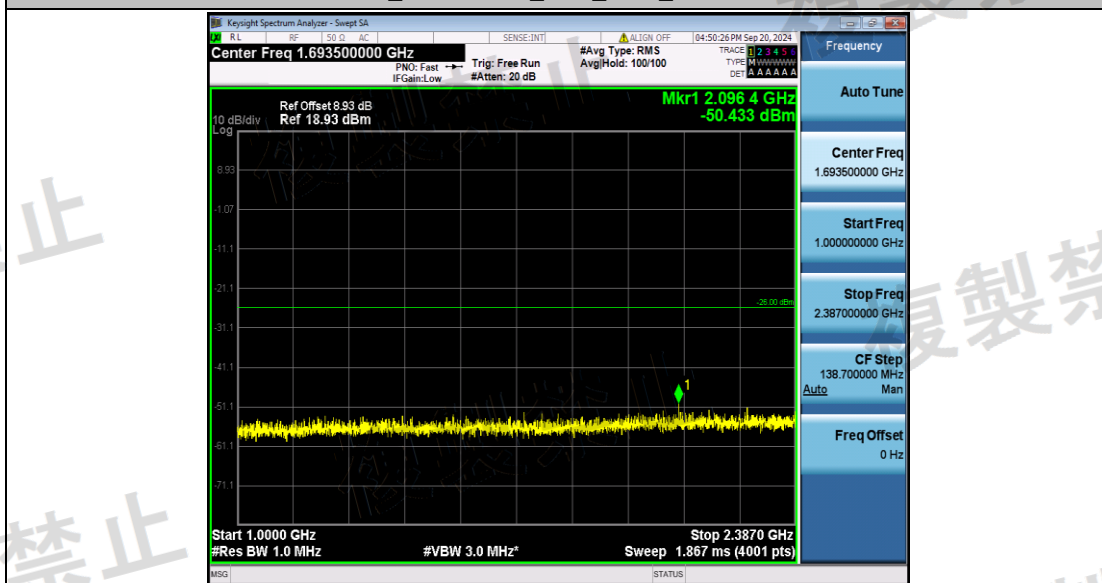
NTNV_11G_Ant1_2472_2496.5~13000



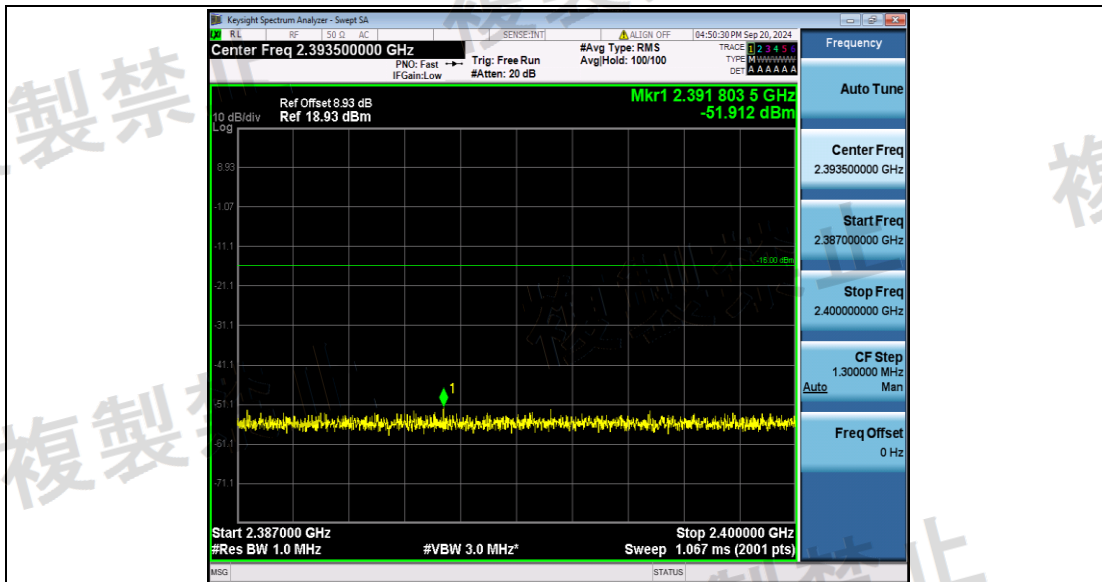
NTNV_11N20SISO_Ant1_2412_30~1000



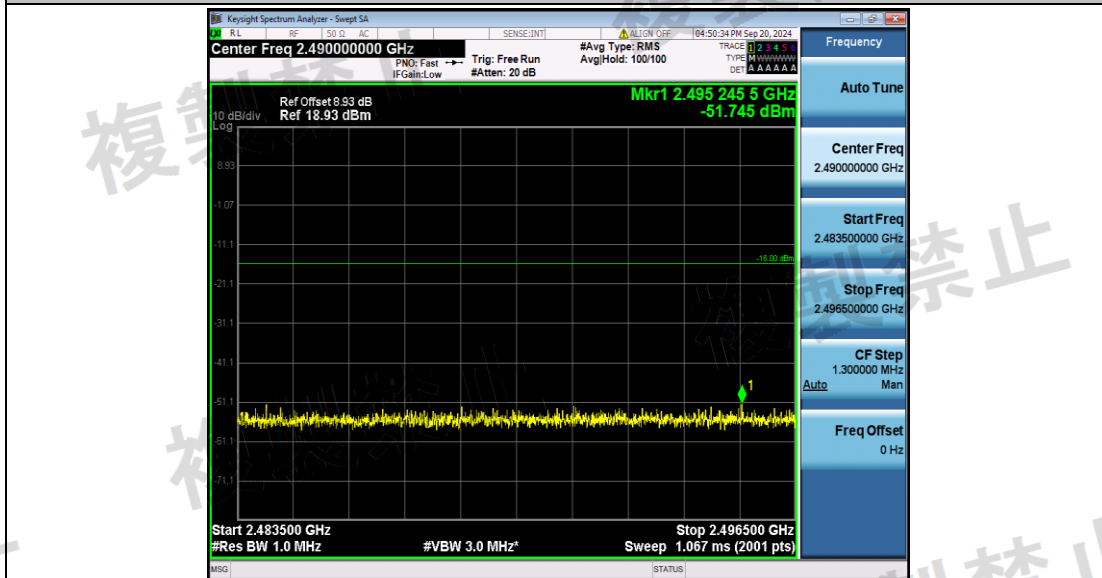
NTNV_11N20SISO_Ant1_2412_1000~2387



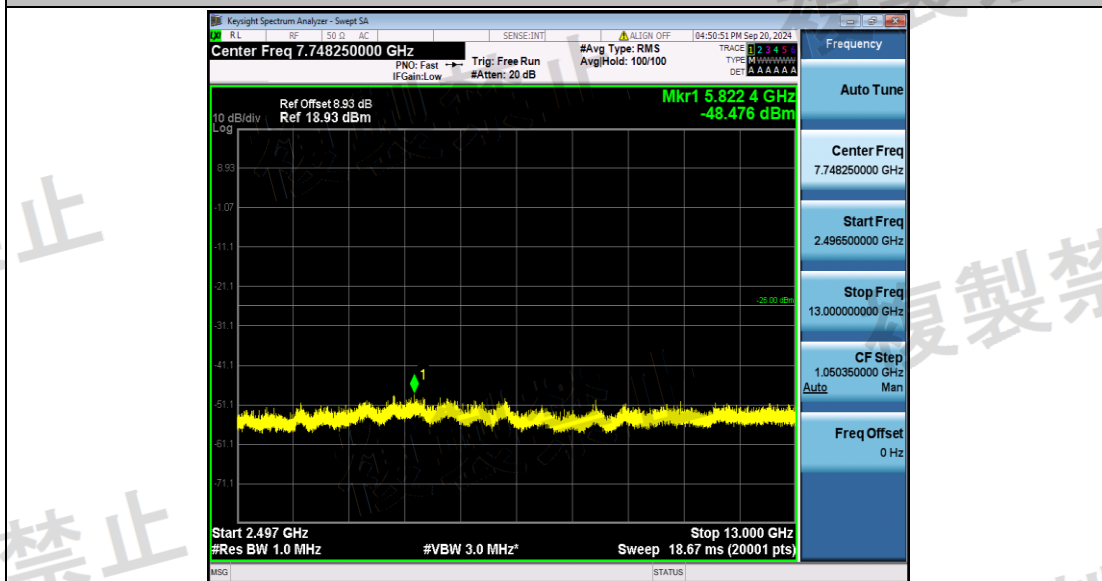
NTNV_11N20SISO_Ant1_2412_2387~2400



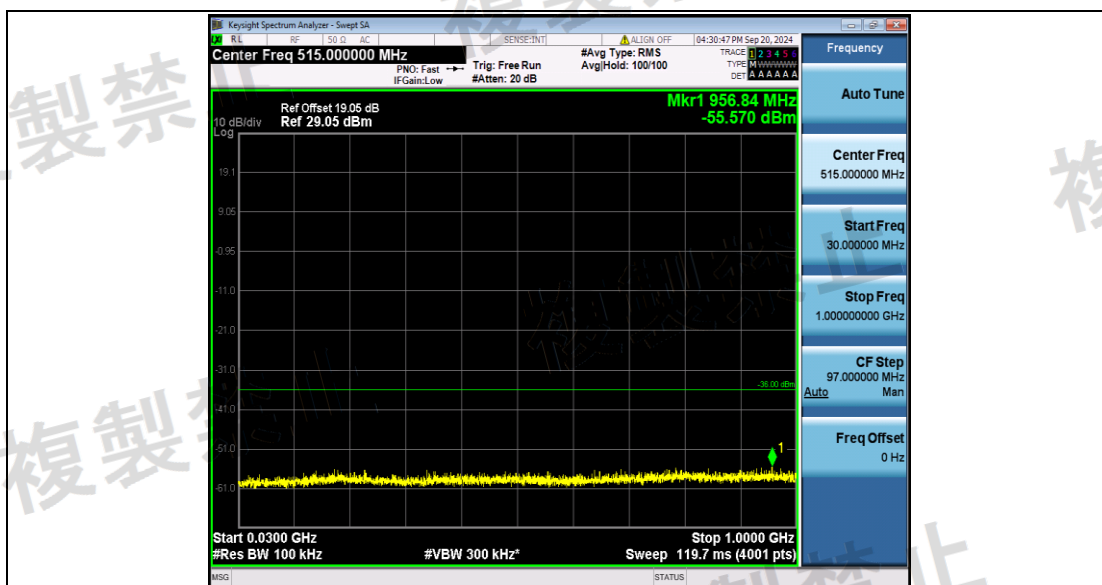
NTNV_11N20SISO_Ant1_2412_2483.5~2496.5



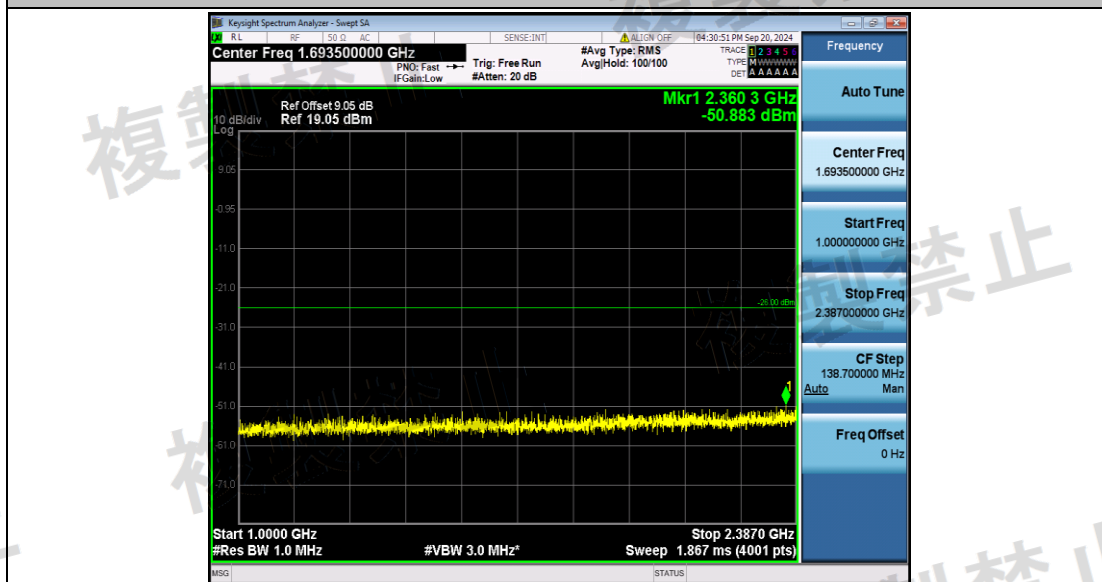
NTNV_11N20SISO_Ant1_2412_2496.5~13000



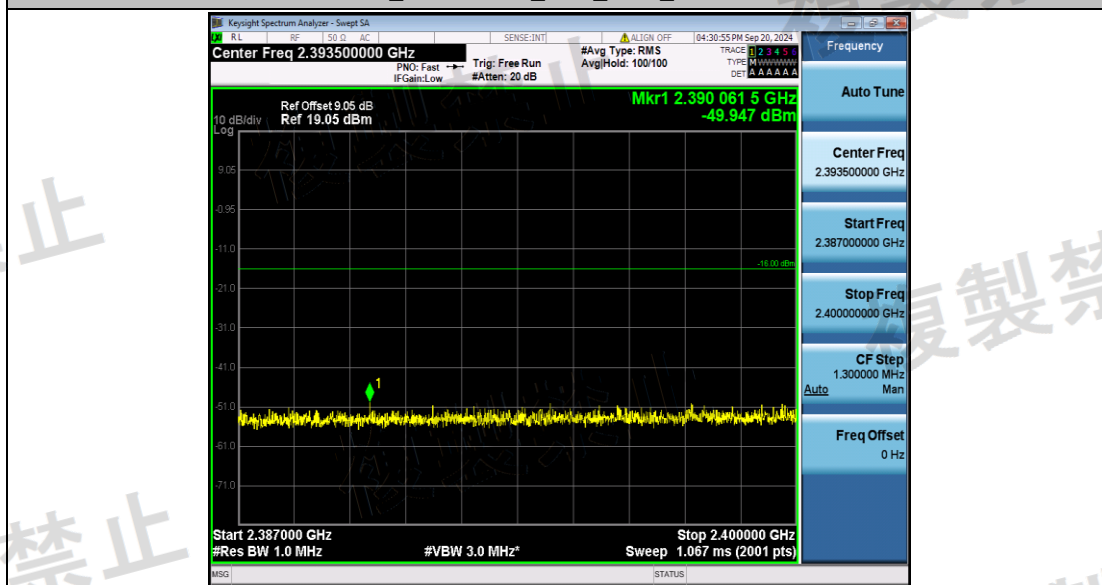
NTNV_11N20SISO_Ant1_2442_30~1000



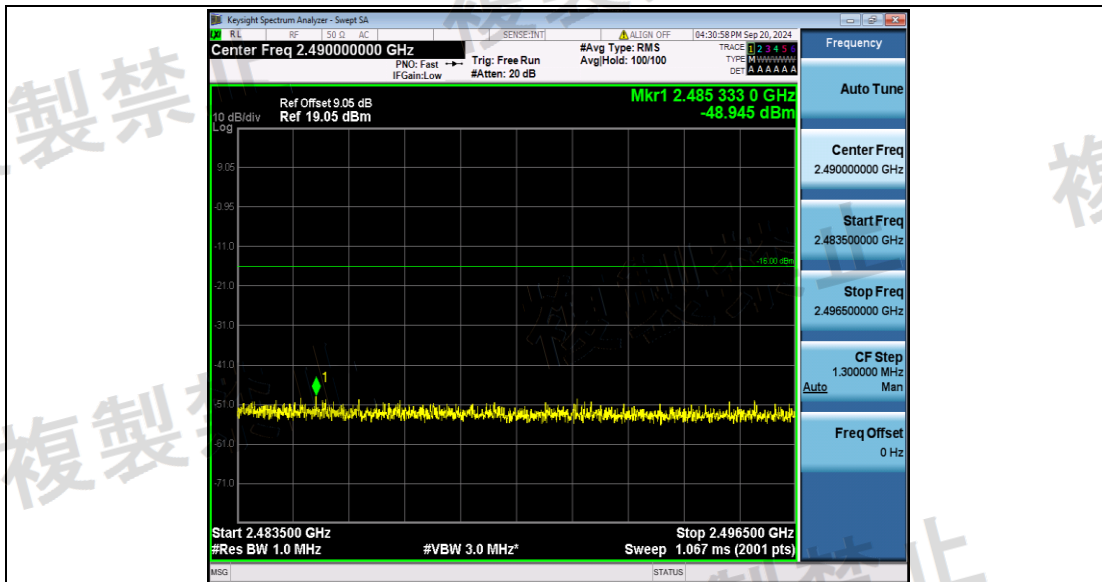
NTNV_11N20SISO_Ant1_2442_1000~2387



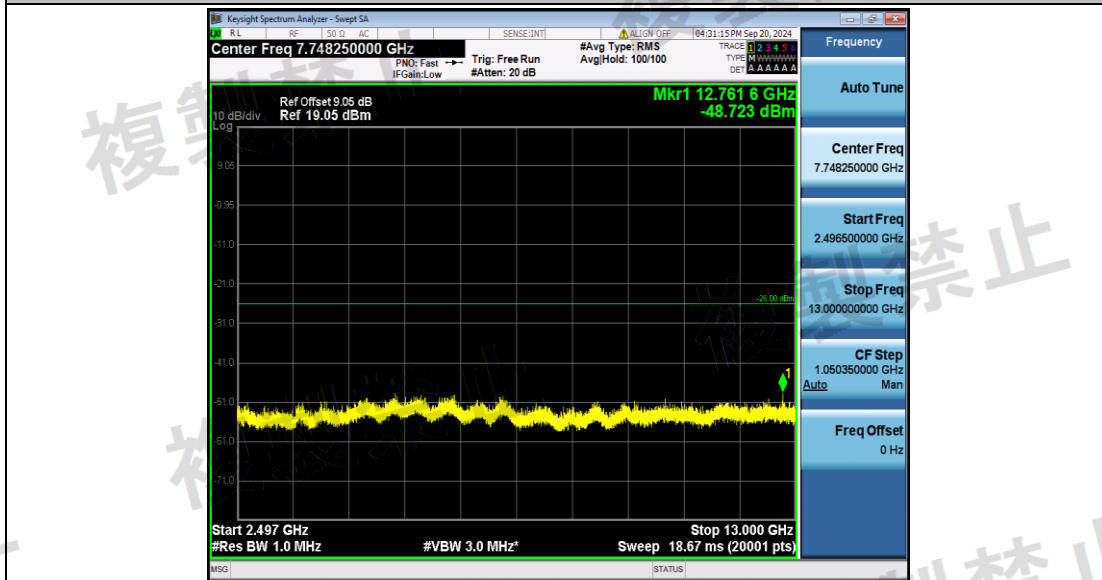
NTNV_11N20SISO_Ant1_2442_2387~2400



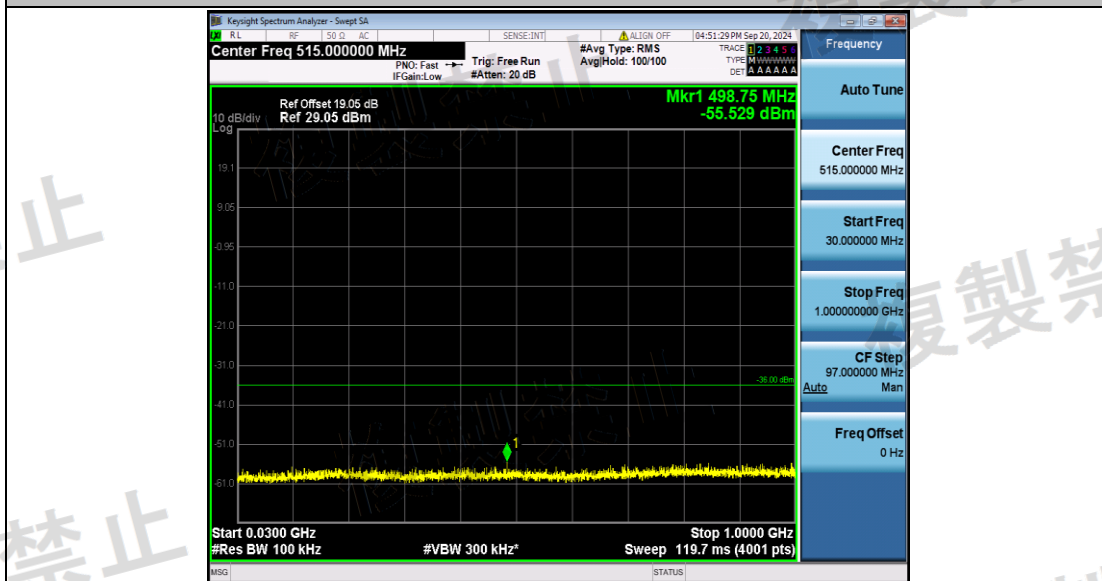
NTNV_11N20SISO_Ant1_2442_2483.5~2496.5



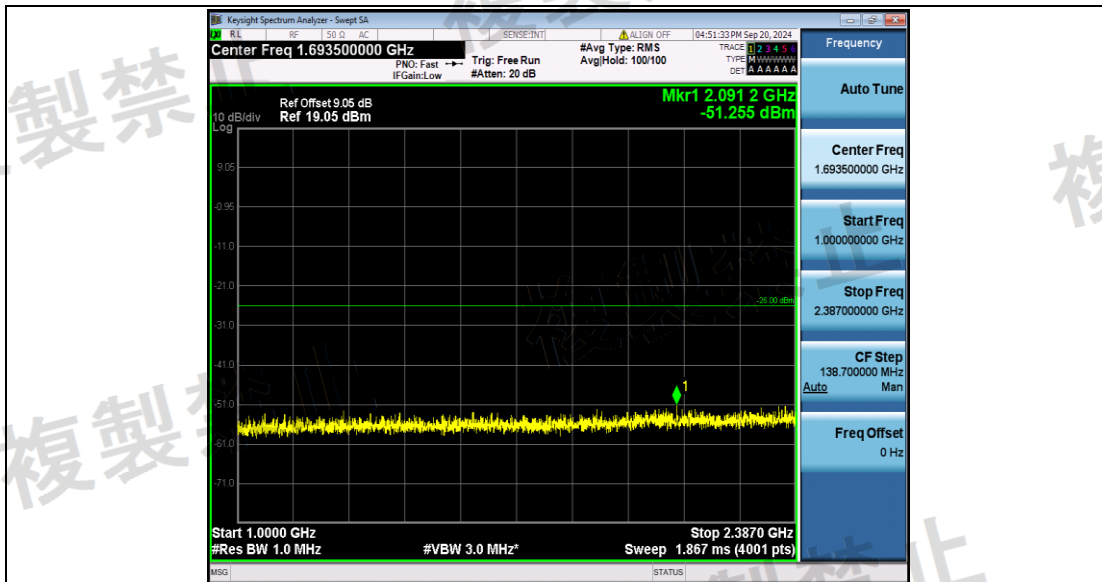
NTNV_11N20SISO_Ant1_2442_2496.5~13000



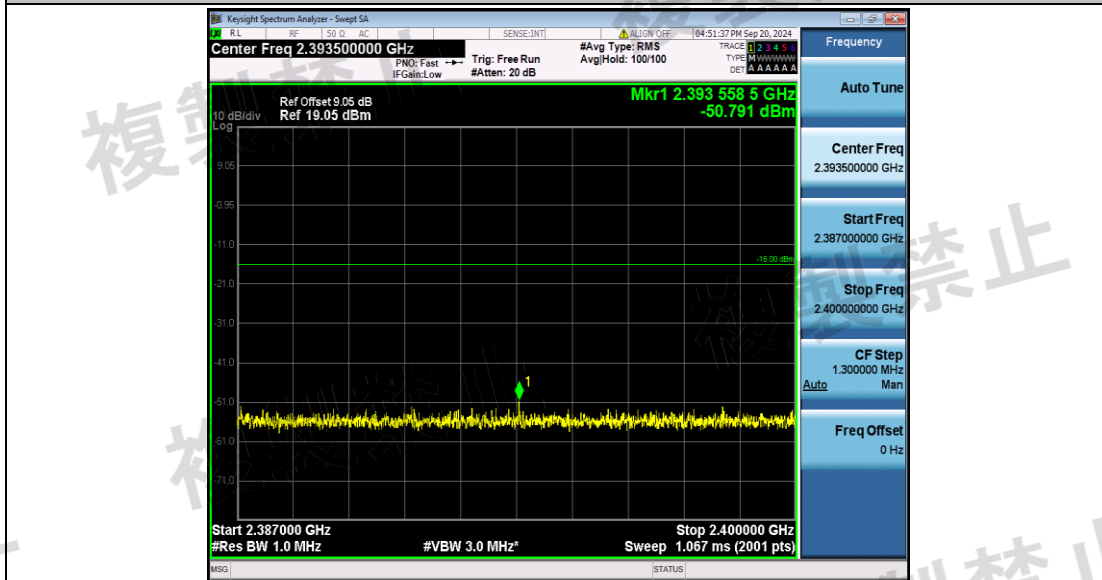
NTNV_11N20SISO_Ant1_2472_30~1000



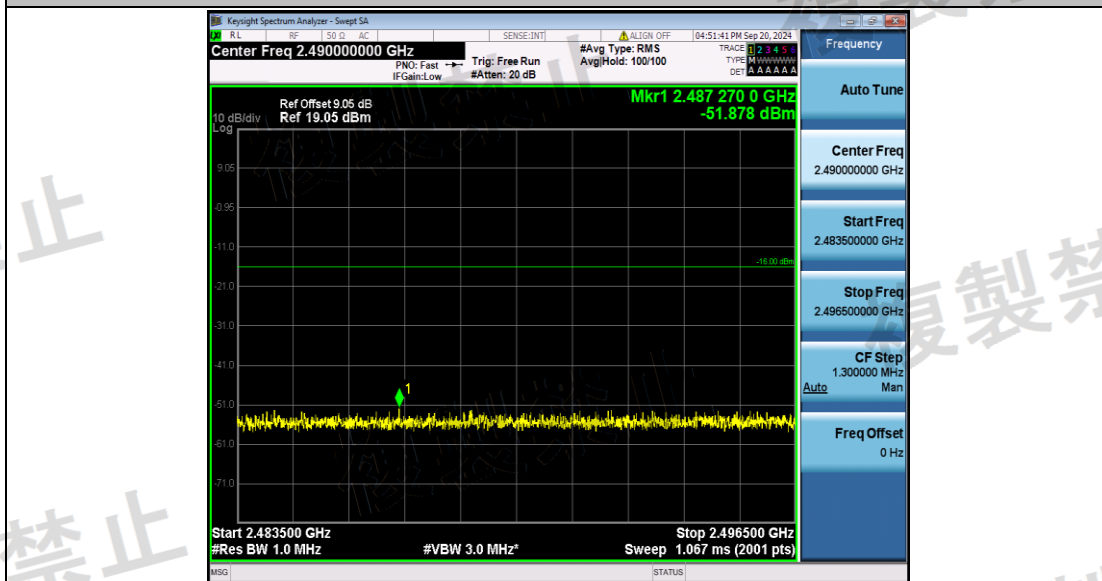
NTNV_11N20SISO_Ant1_2472_1000~2387



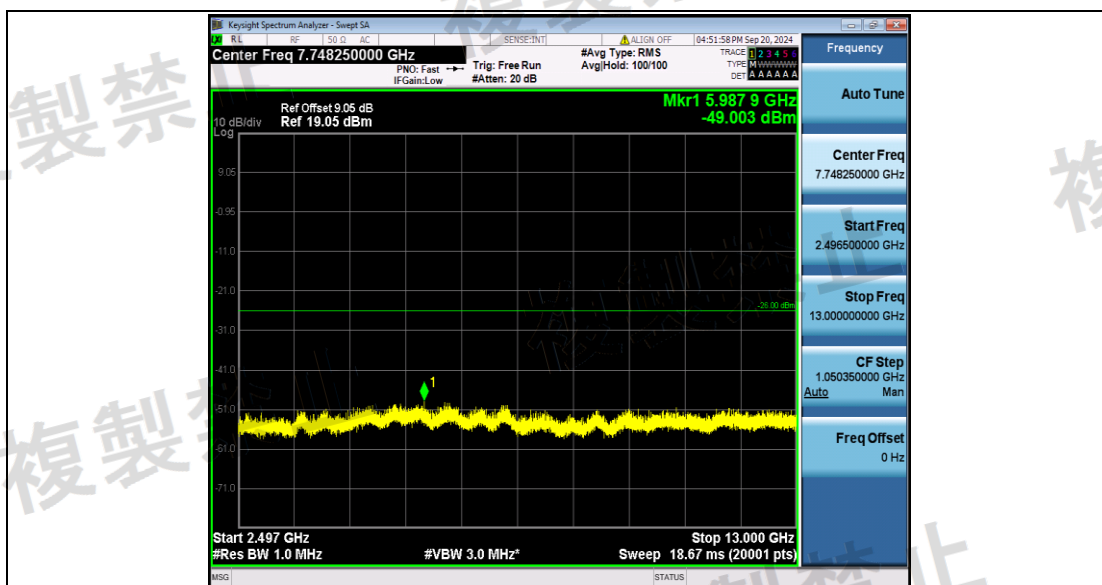
NTNV_11N20SISO_Ant1_2472_2387~2400



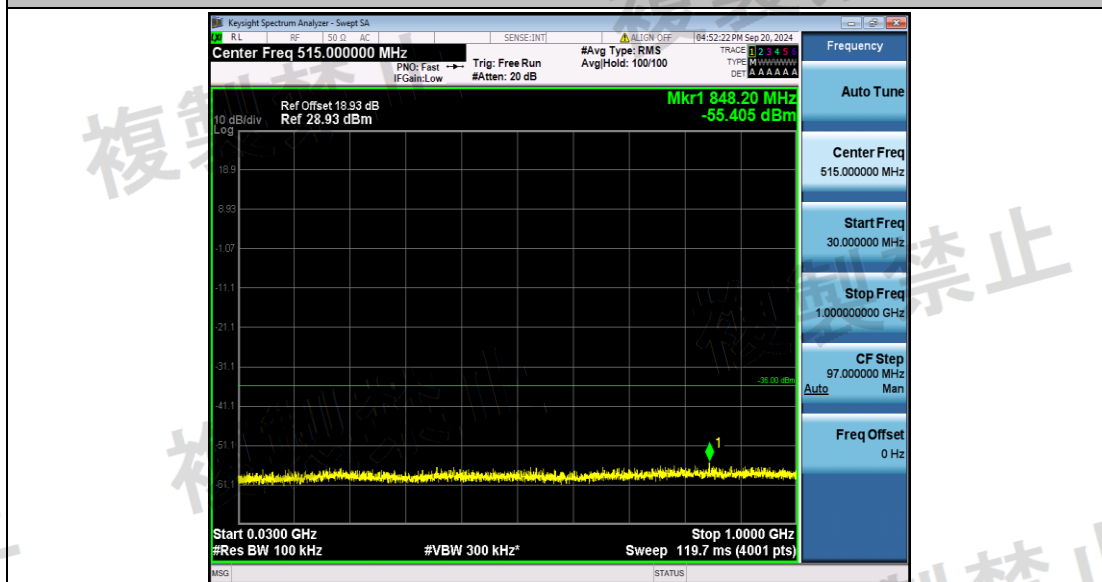
NTNV_11N20SISO_Ant1_2472_2483.5~2496.5



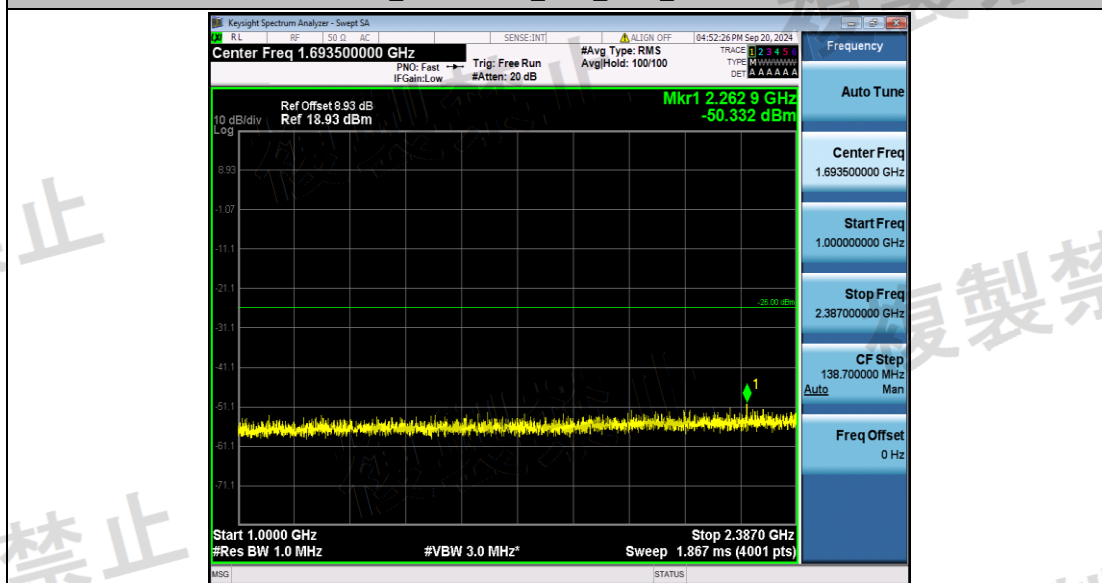
NTNV_11N20SISO_Ant1_2472_2496.5~13000



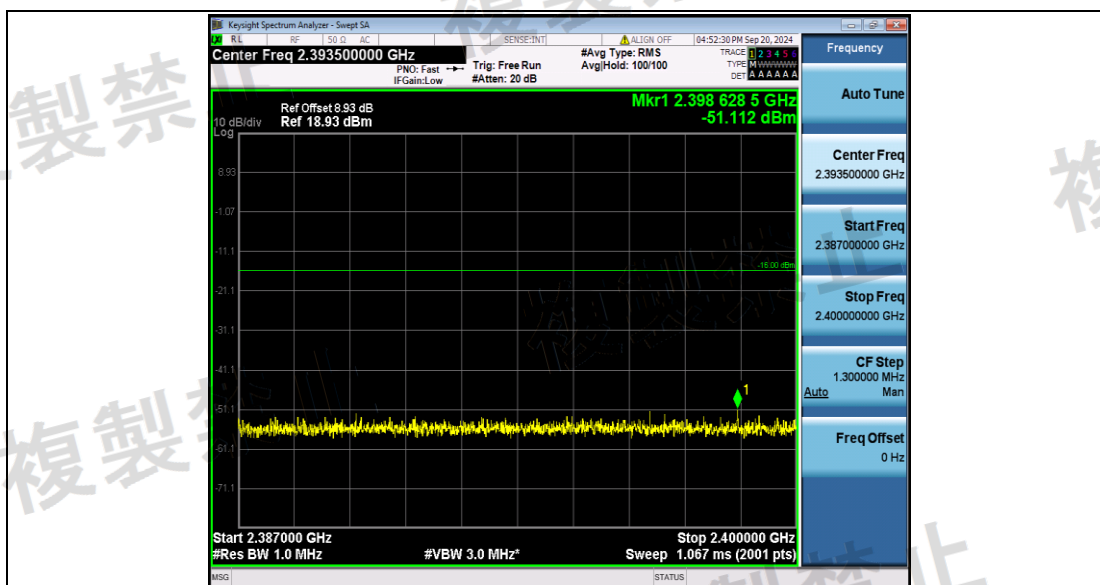
NTNV_11N40SISO_Ant1_2422_30~1000



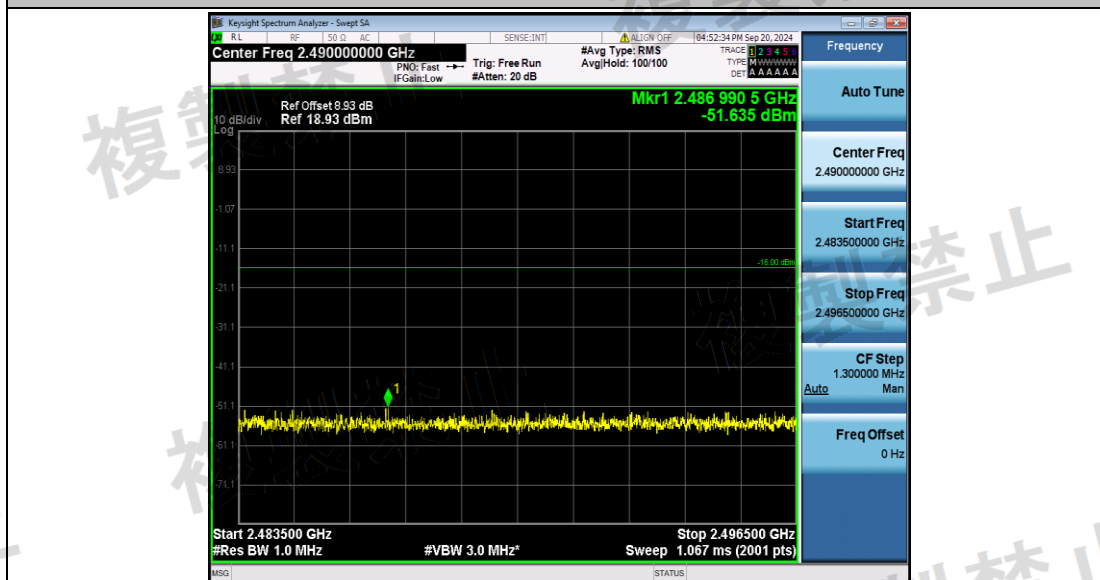
NTNV_11N40SISO_Ant1_2422_1000~2387



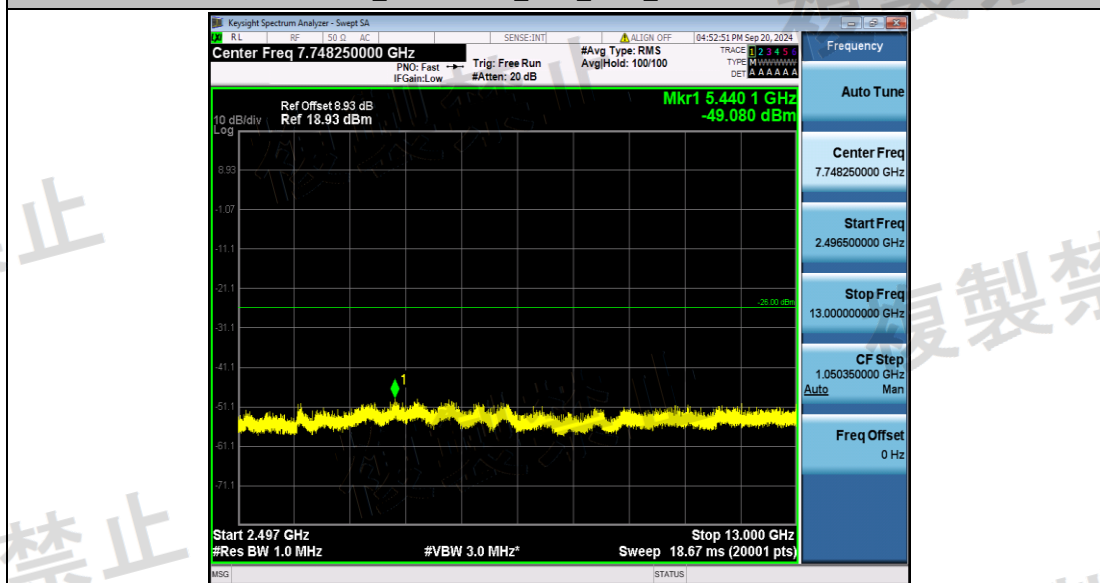
NTNV_11N40SISO_Ant1_2422_2387~2400



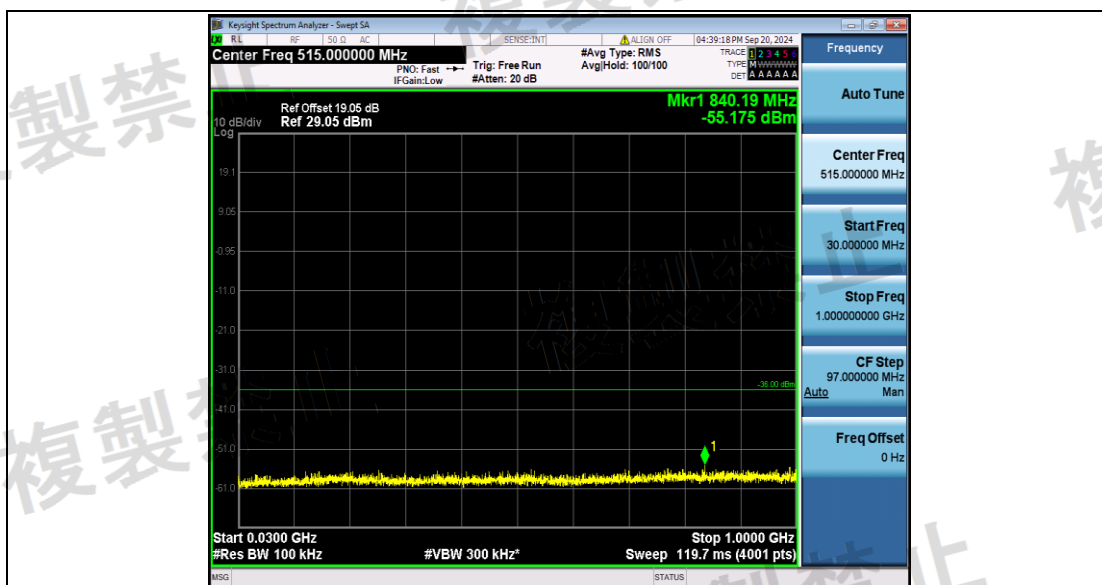
NTNV_11N40SISO_Ant1_2422_2483.5~2496.5



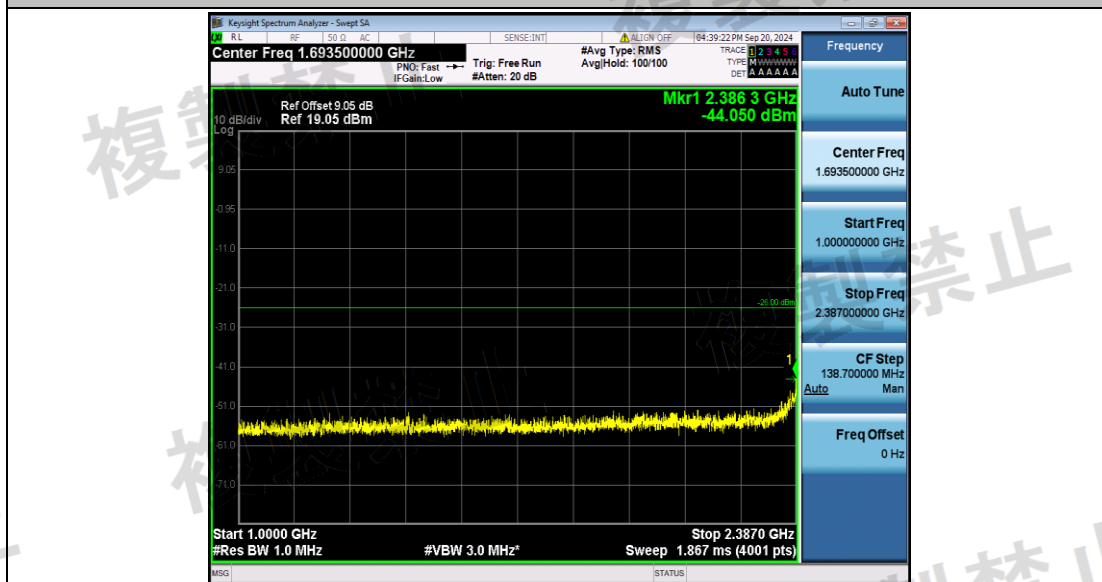
NTNV_11N40SISO_Ant1_2422_2496.5~13000



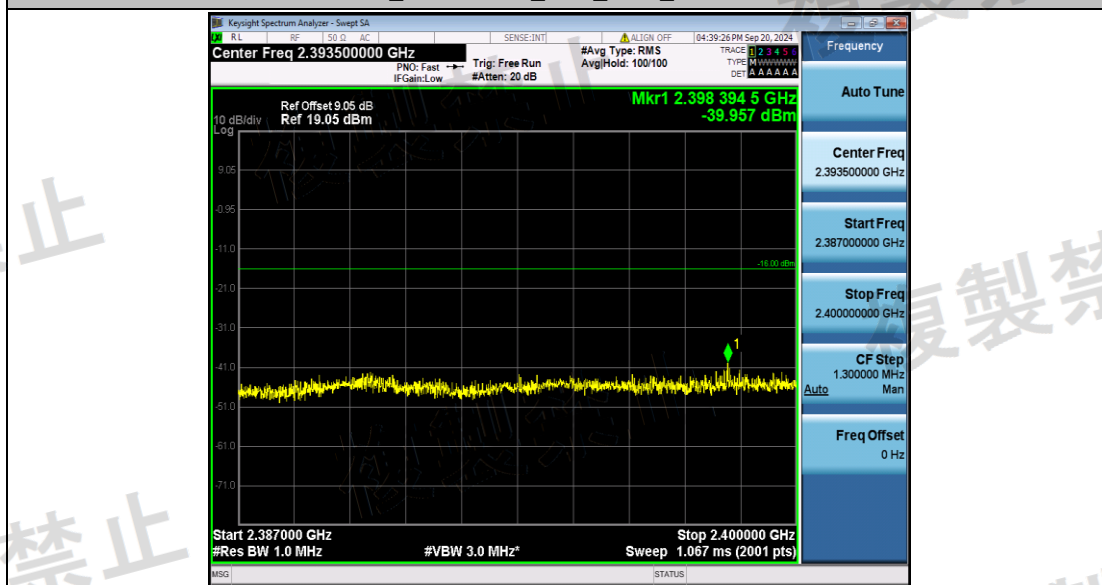
NTNV_11N40SISO_Ant1_2442_30~1000



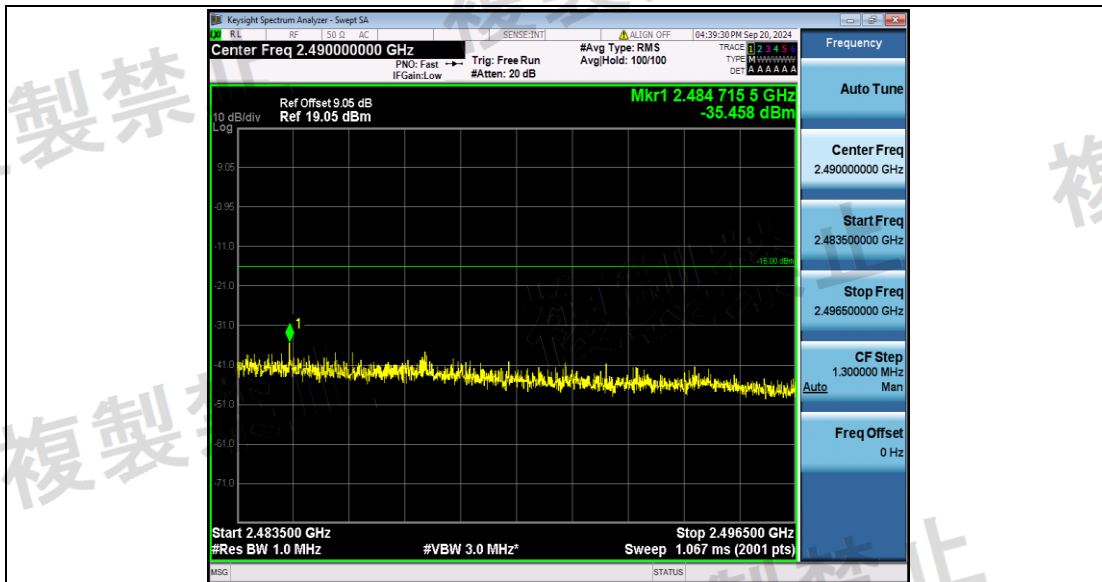
NTNV_11N40SISO_Ant1_2442_1000~2387



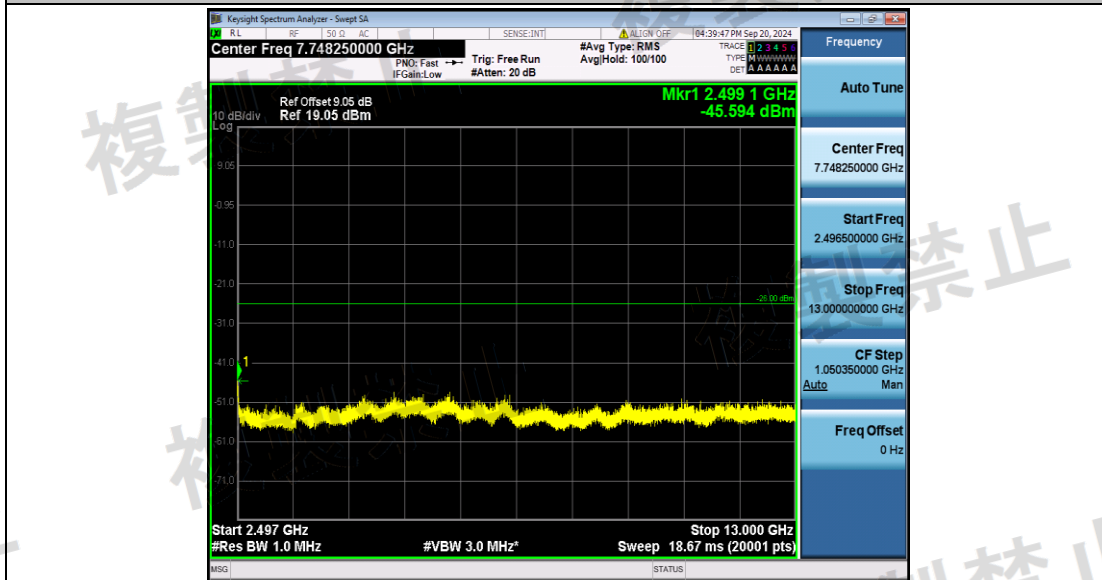
NTNV_11N40SISO_Ant1_2442_2387~2400



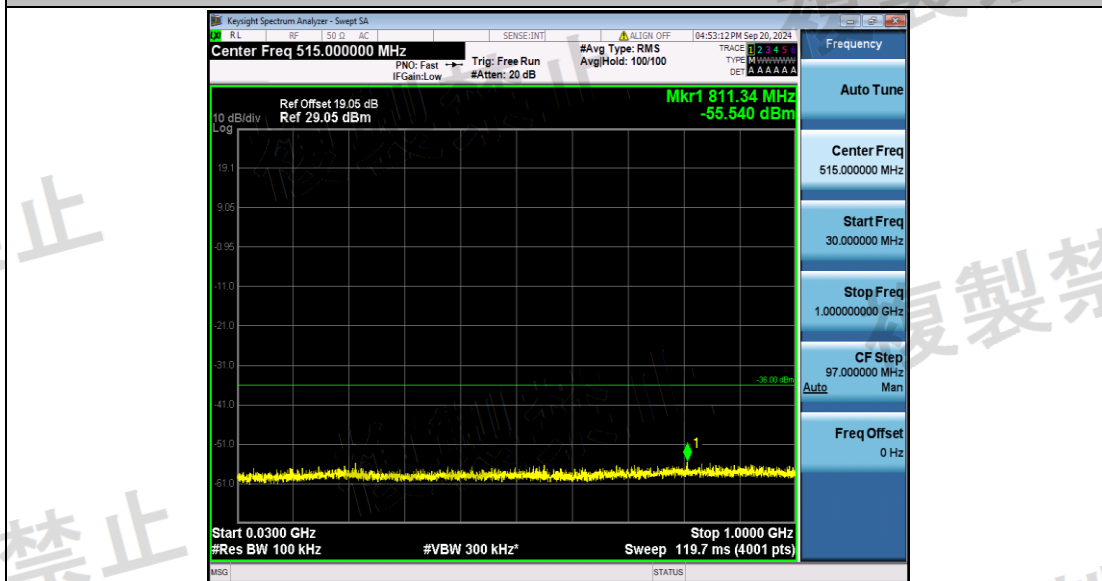
NTNV_11N40SISO_Ant1_2442_2483.5~2496.5



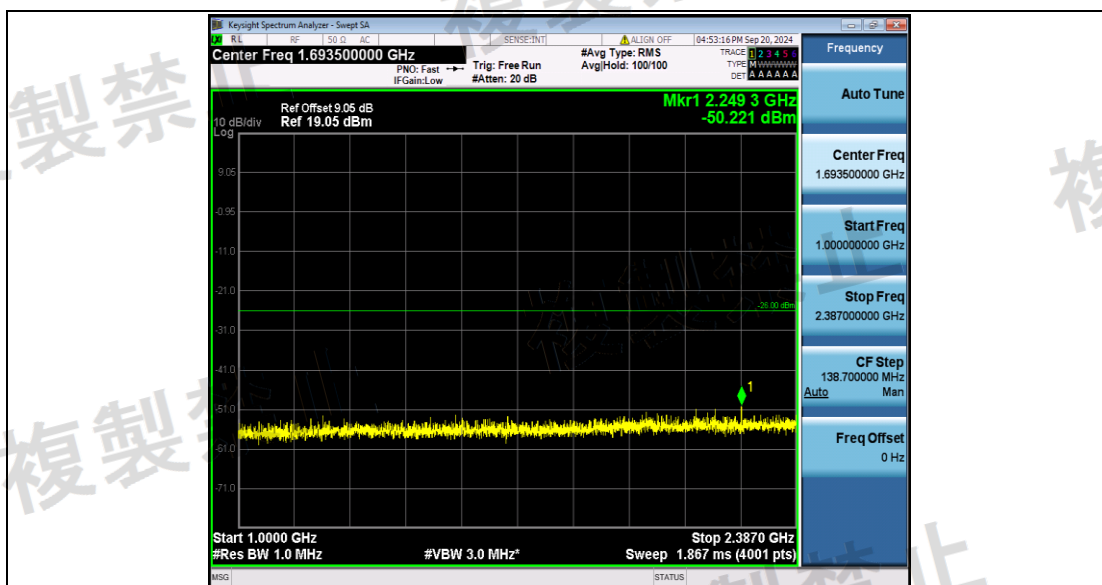
NTNV_11N40SISO_Ant1_2442_2496.5~13000



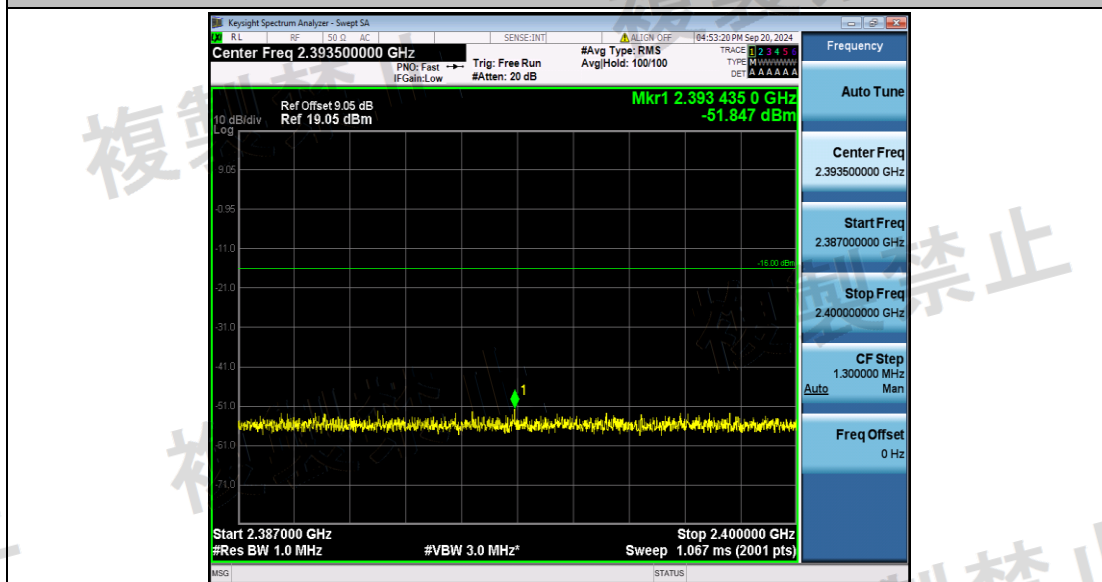
NTNV_11N40SISO_Ant1_2462_30~1000



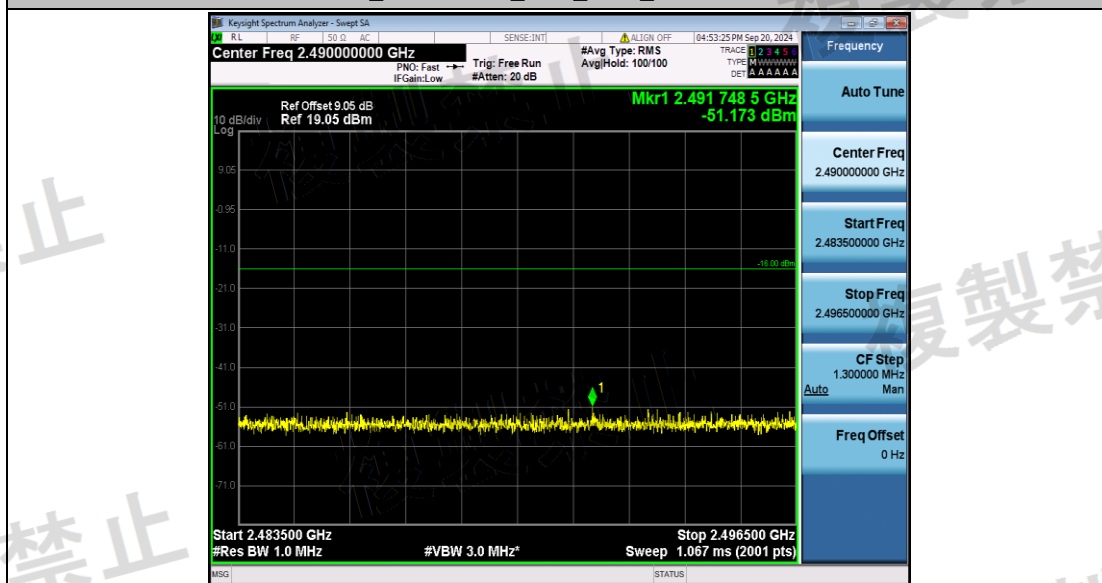
NTNV_11N40SISO_Ant1_2462_1000~2387



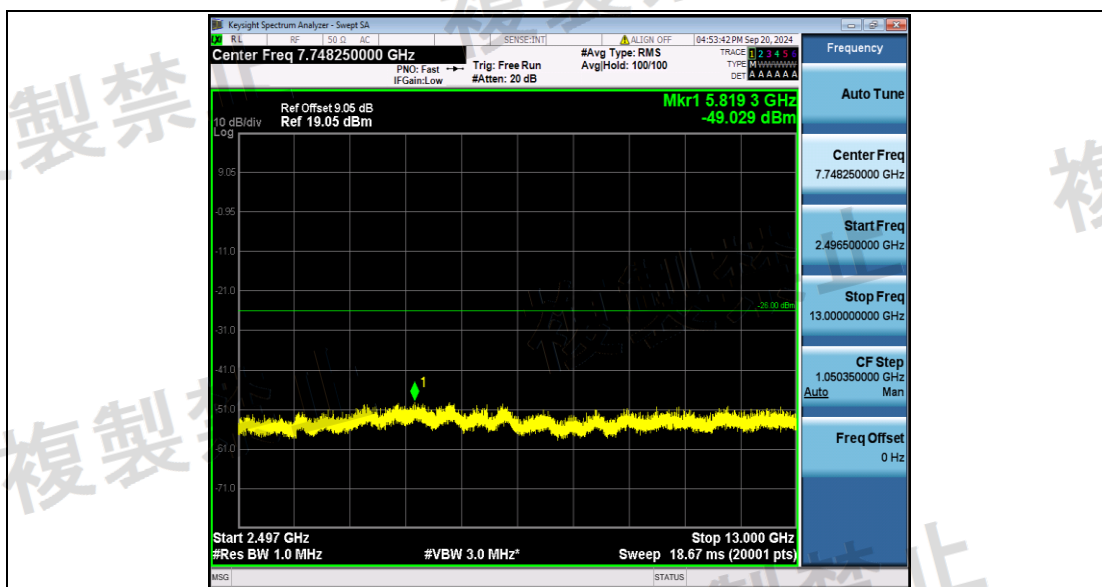
NTNV_11N40SISO_Ant1_2462_2387~2400



NTNV_11N40SISO_Ant1_2462_2483.5~2496.5



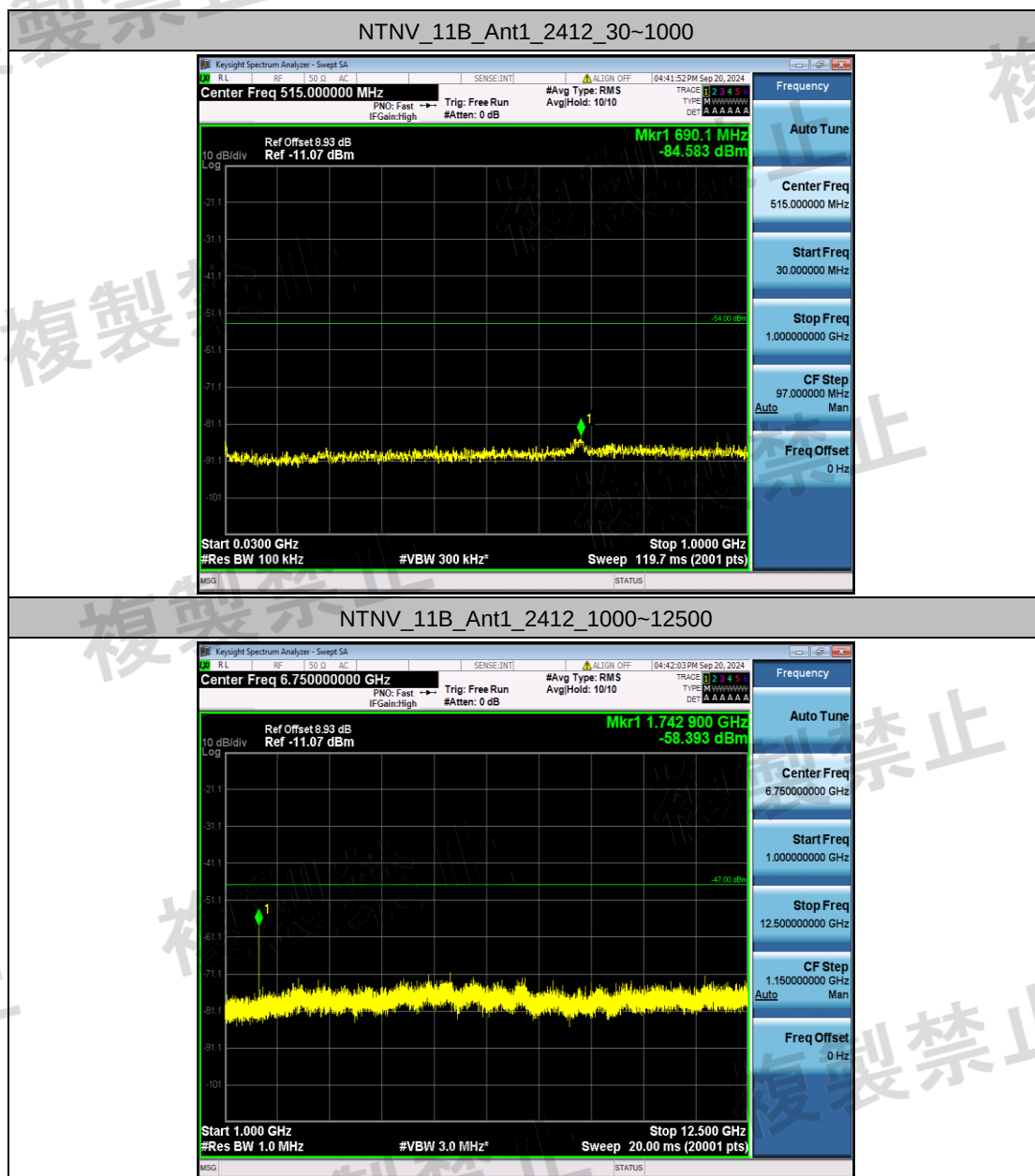
NTNV_11N40SISO_Ant1_2462_2496.5~13000

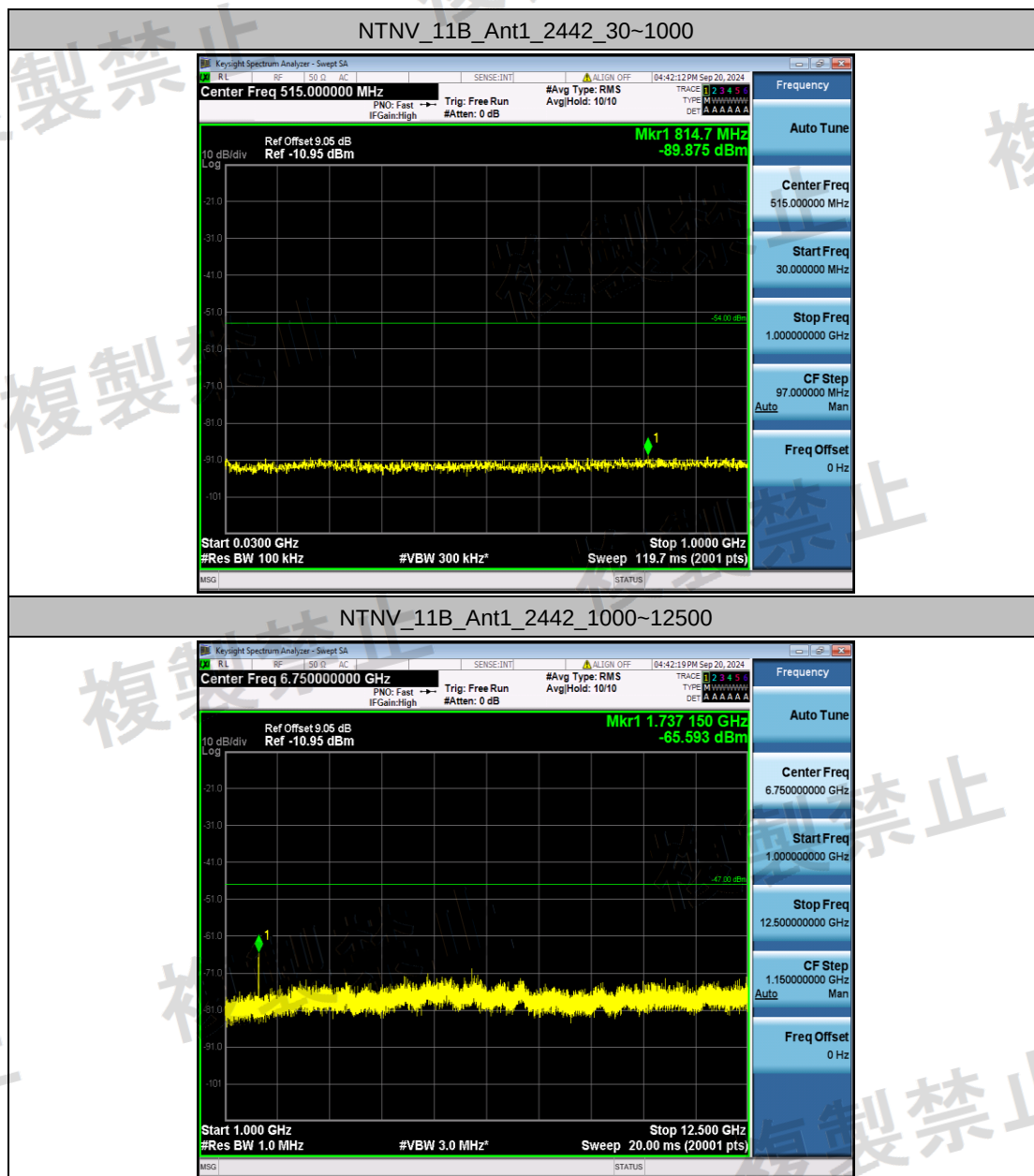


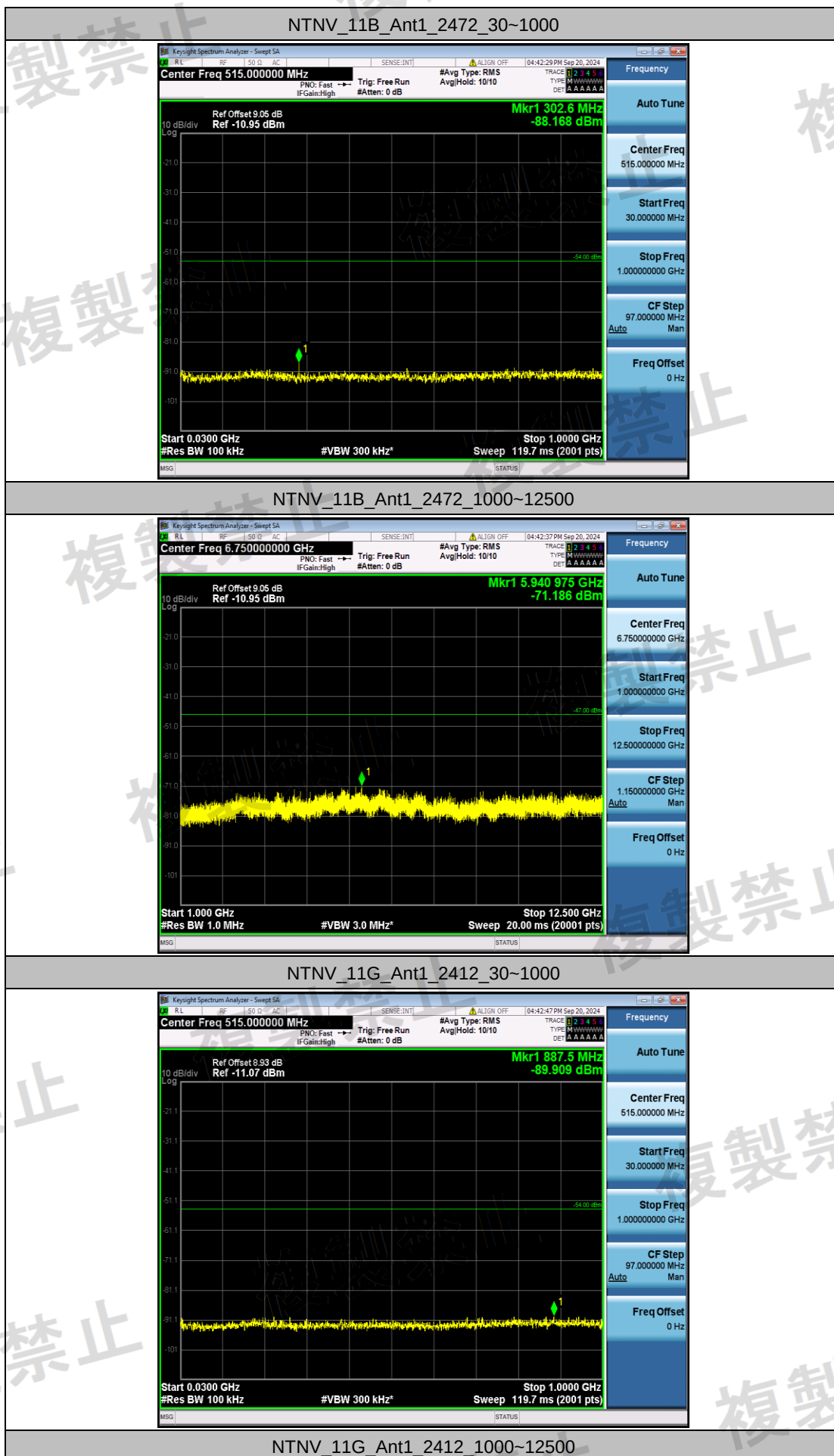
Appendix A.6: Spurious Emission of RX**1.1.11. Test Result**

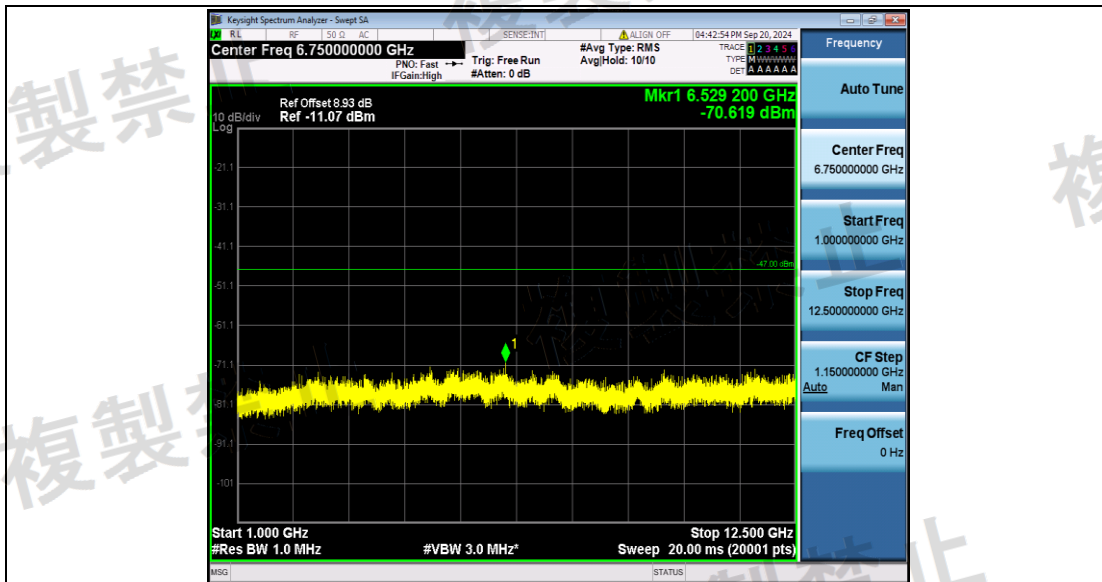
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	-84.58	≤-54	0.00348	≤4	PASS
				1000~12500	-58.39	≤-47	1.44877	≤20	PASS
			2442	30~1000	-89.88	≤-54	0.00103	≤4	PASS
				1000~12500	-65.59	≤-47	0.27606	≤20	PASS
			2472	30~1000	-88.17	≤-54	0.00152	≤4	PASS
				1000~12500	-71.19	≤-47	0.07603	≤20	PASS
	11G	Ant1	2412	30~1000	-89.91	≤-54	0.00102	≤4	PASS
				1000~12500	-70.62	≤-47	0.08670	≤20	PASS
			2442	30~1000	-89.10	≤-54	0.00123	≤4	PASS
				1000~12500	-71.59	≤-47	0.06934	≤20	PASS
			2472	30~1000	-89.68	≤-54	0.00108	≤4	PASS
				1000~12500	-71.52	≤-47	0.07047	≤20	PASS
	11N20SIS O	Ant1	2412	30~1000	-89.38	≤-54	0.00115	≤4	PASS
				1000~12500	-71.02	≤-47	0.07907	≤20	PASS
			2442	30~1000	-89.43	≤-54	0.00114	≤4	PASS
				1000~12500	-61.56	≤-47	0.69823	≤20	PASS
			2472	30~1000	-89.30	≤-54	0.00117	≤4	PASS
				1000~12500	-71.55	≤-47	0.06998	≤20	PASS
	11N40SIS O	Ant1	2422	30~1000	-89.47	≤-54	0.00113	≤4	PASS
				1000~12500	-70.51	≤-47	0.08892	≤20	PASS
			2442	30~1000	-89.48	≤-54	0.00113	≤4	PASS
				1000~12500	-71.45	≤-47	0.07161	≤20	PASS
			2462	30~1000	-64.17	≤-54	0.38282	≤4	PASS
				1000~12500	-66.66	≤-47	0.21577	≤20	PASS

1.1.12. Test Graphs

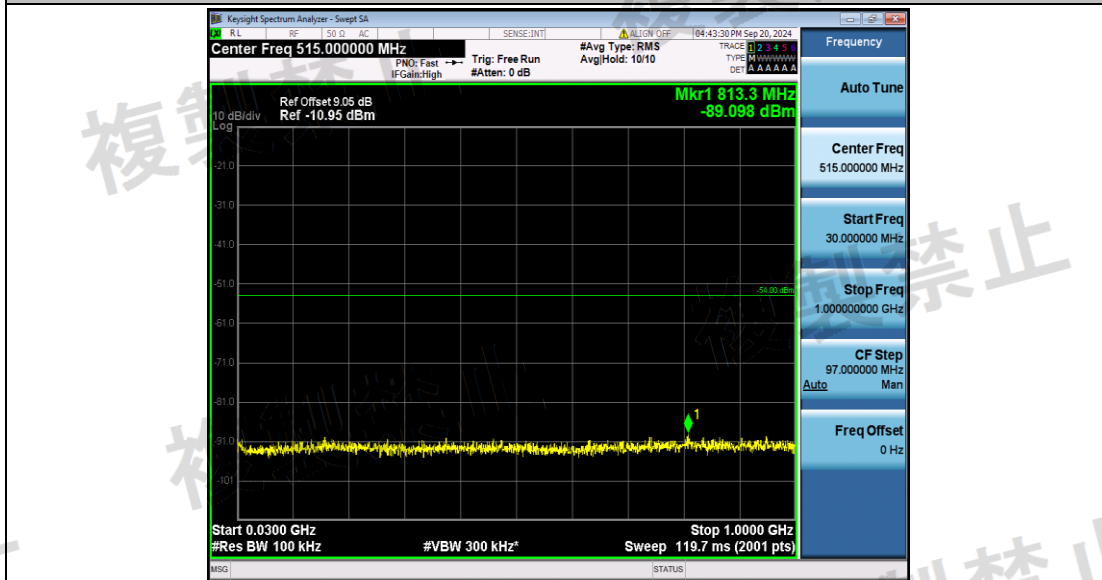




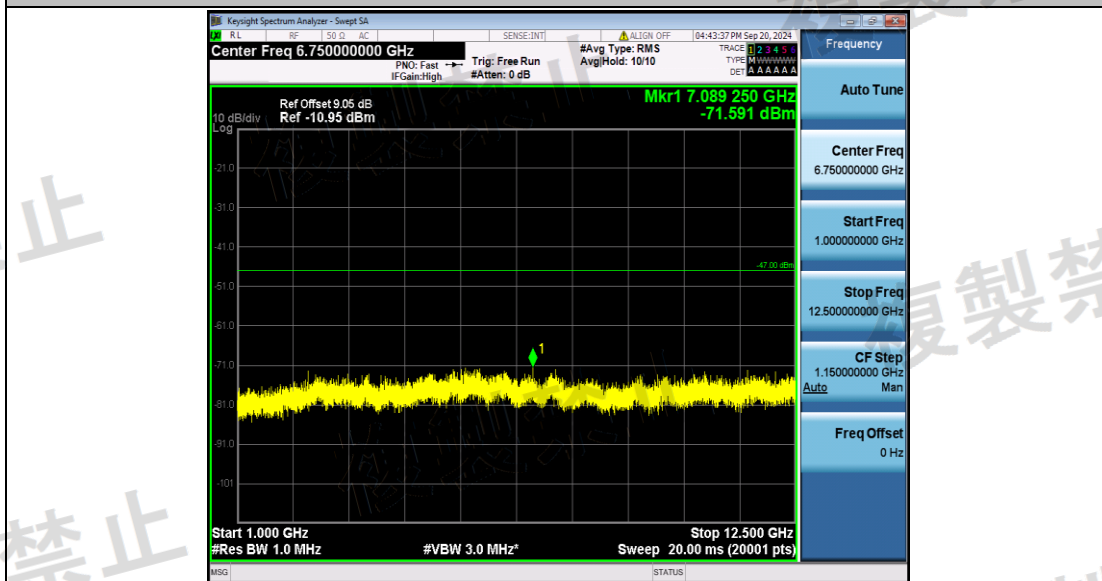




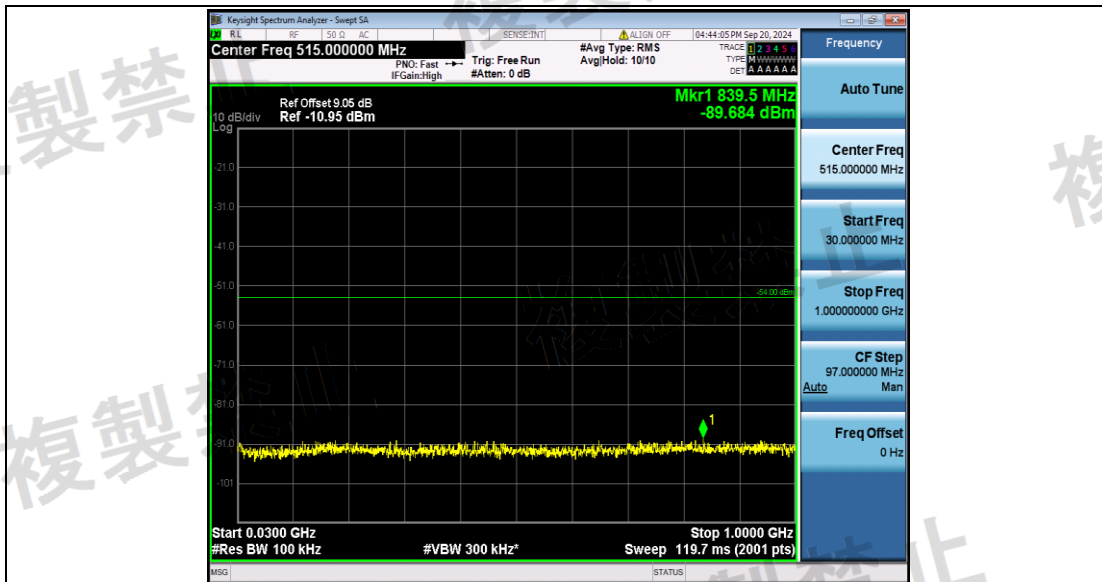
NTNV_11G_Ant1_2442_30~1000



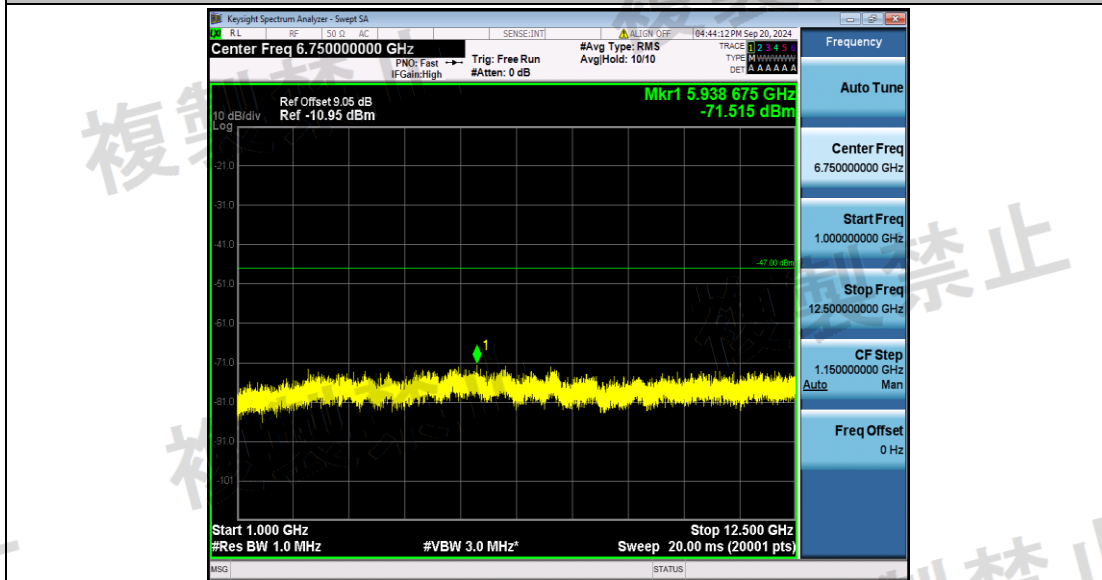
NTNV_11G_Ant1_2442_1000~12500



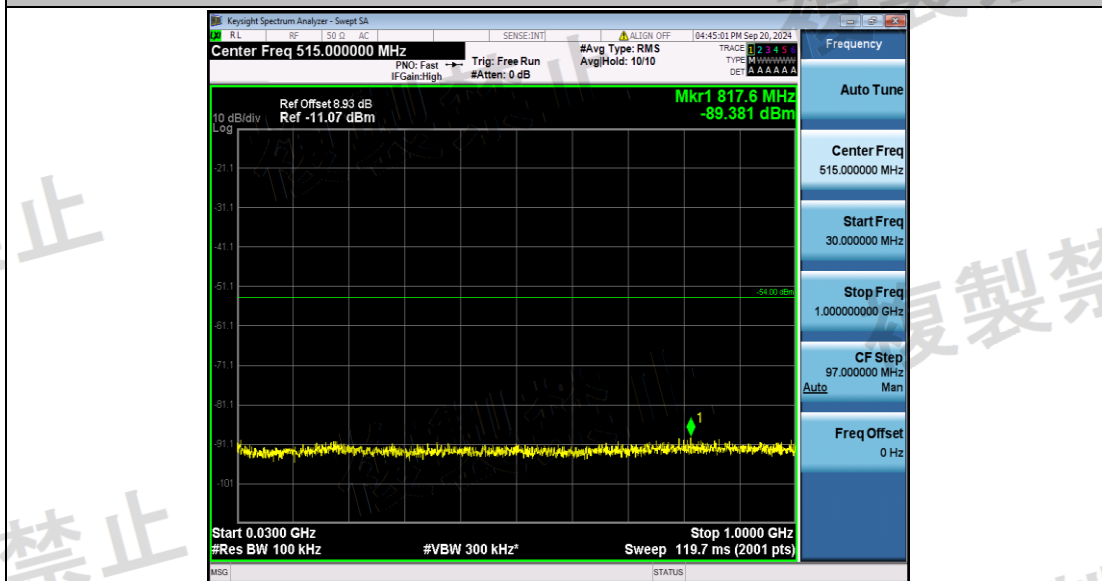
NTNV_11G_Ant1_2472_30~1000



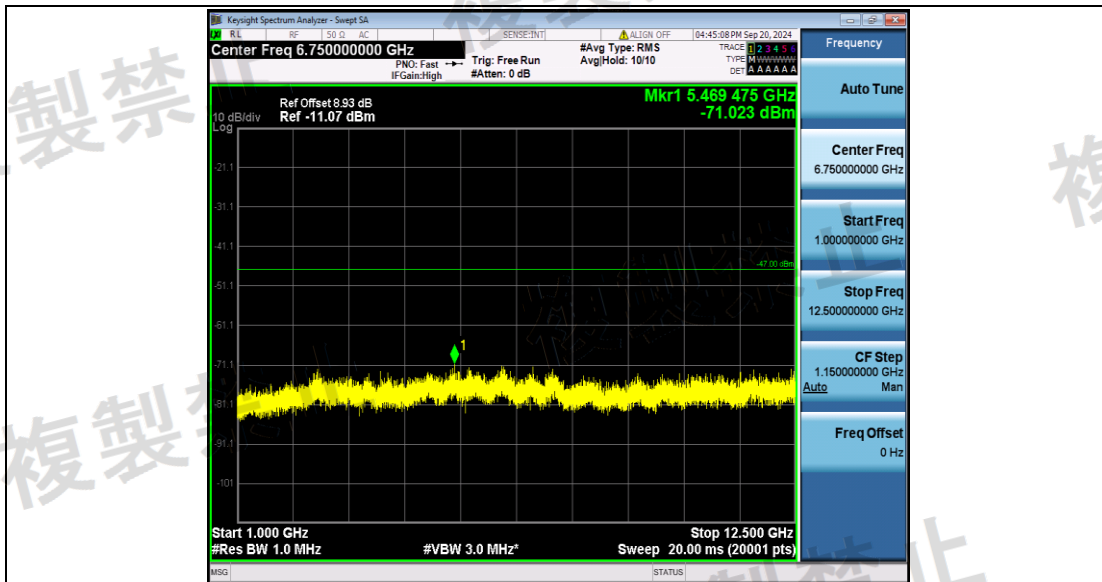
NTNV_11G_Ant1_2472_1000~12500



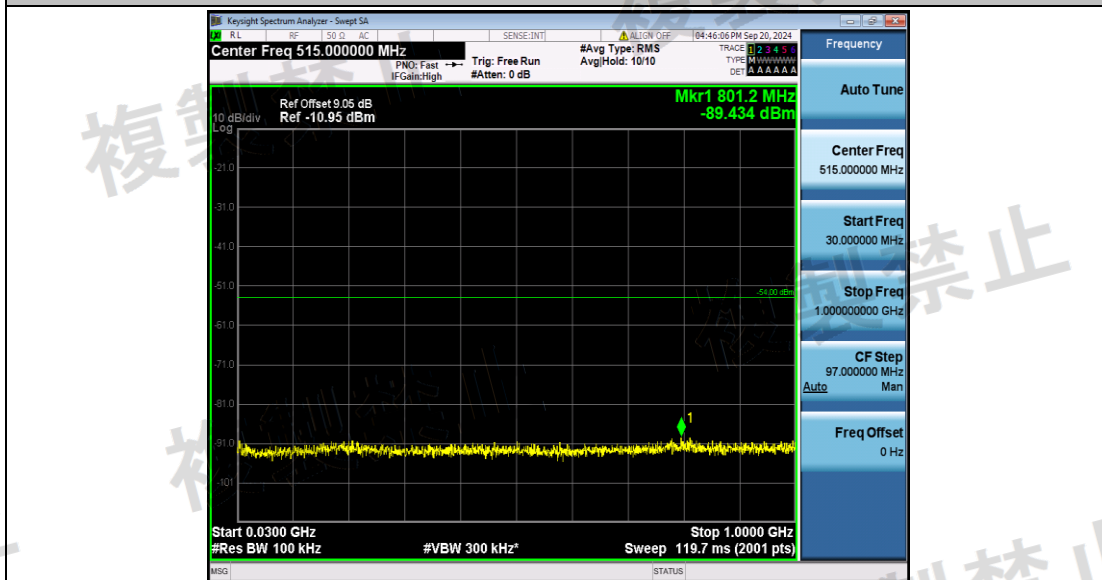
NTNV_11N20SISO_Ant1_2412_30~1000



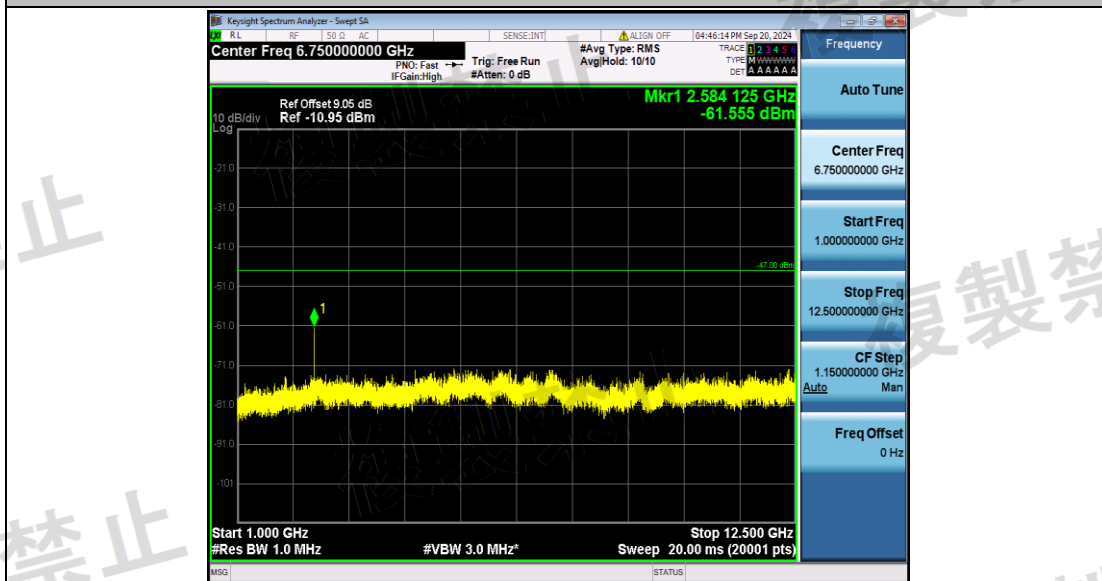
NTNV_11N20SISO_Ant1_2412_1000~12500



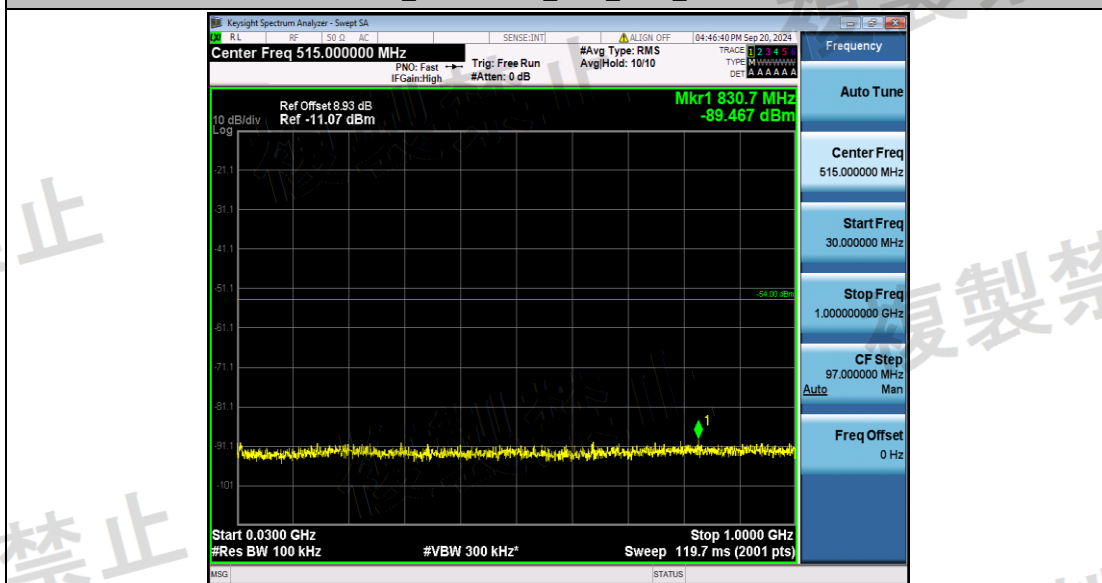
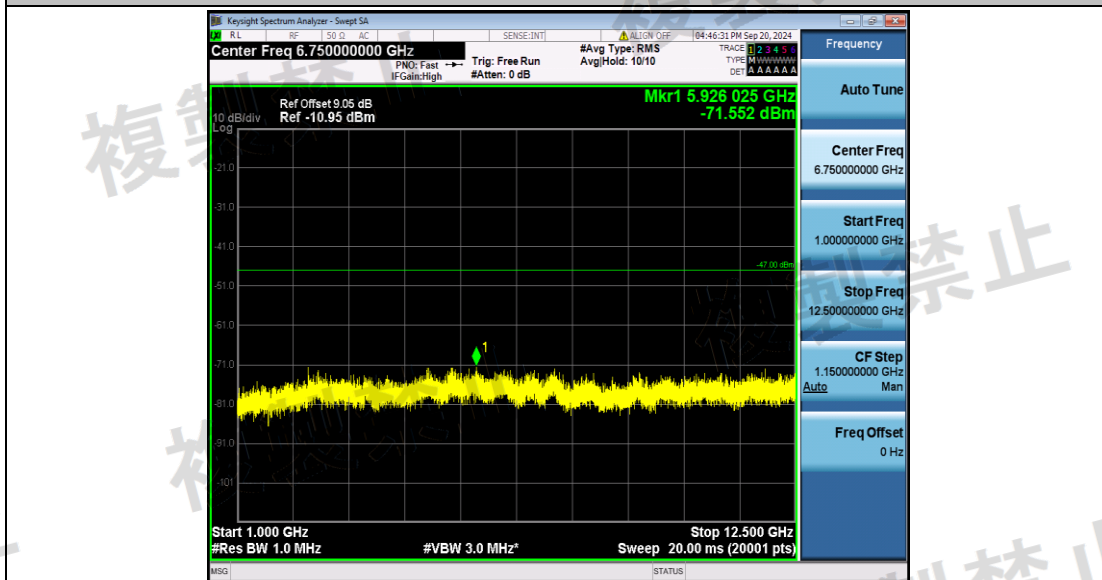
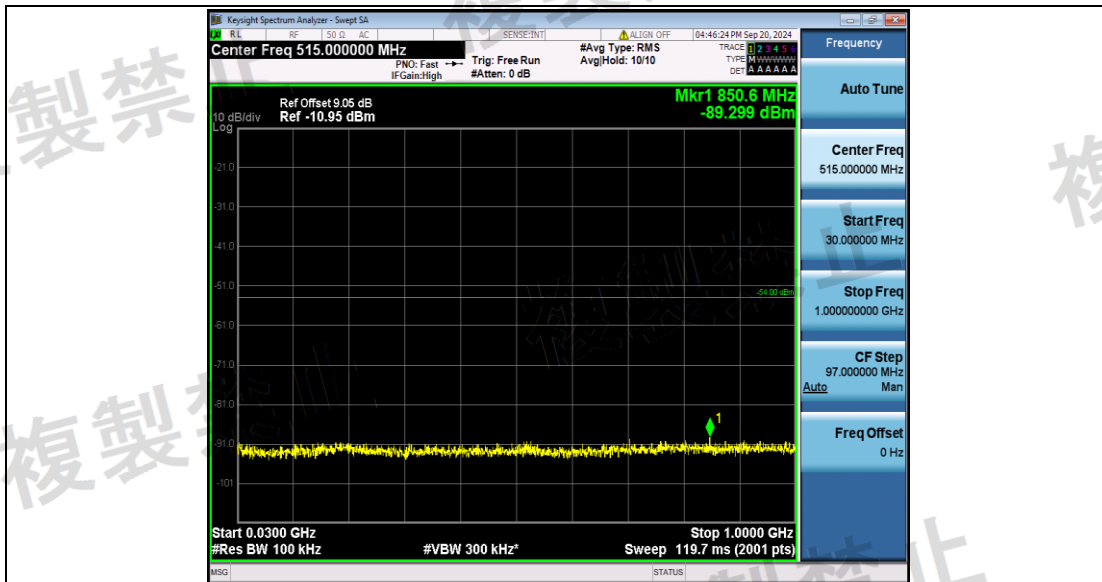
NTNV_11N20SISO_Ant1_2442_30~1000

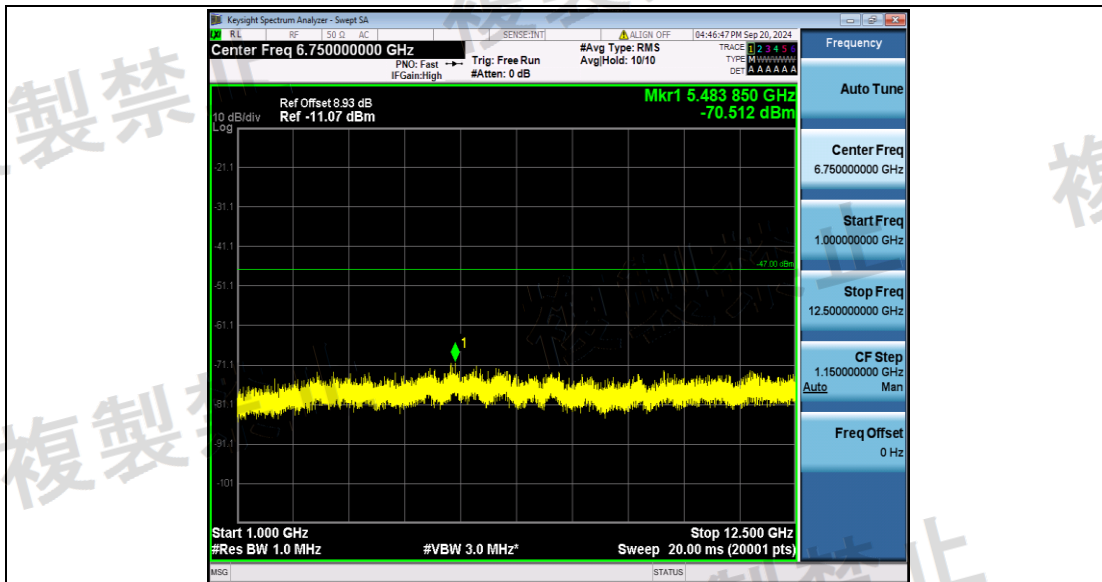


NTNV_11N20SISO_Ant1_2442_1000~12500

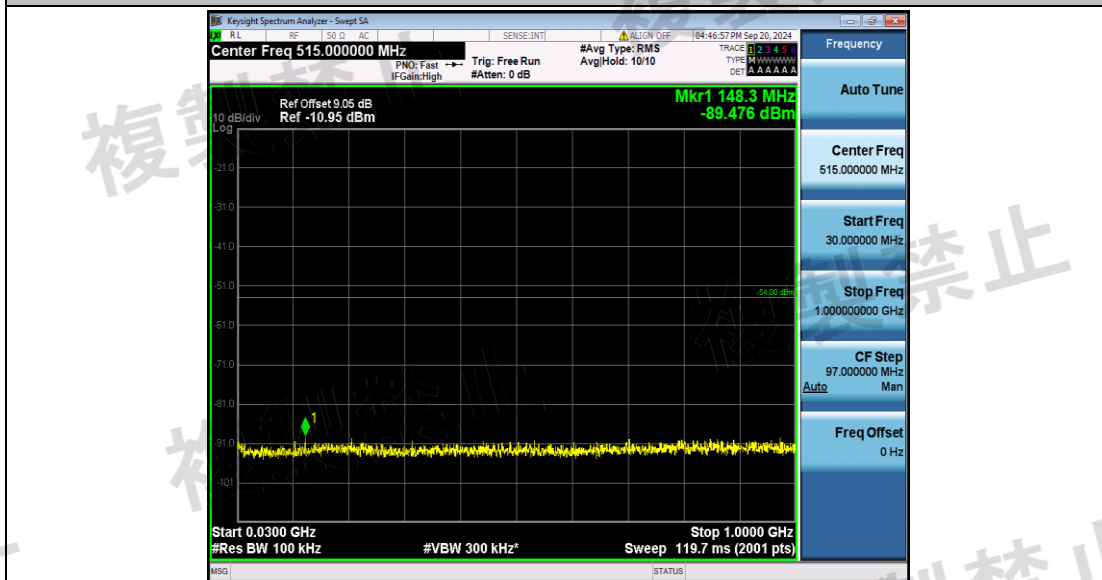


NTNV_11N20SISO_Ant1_2472_30~1000

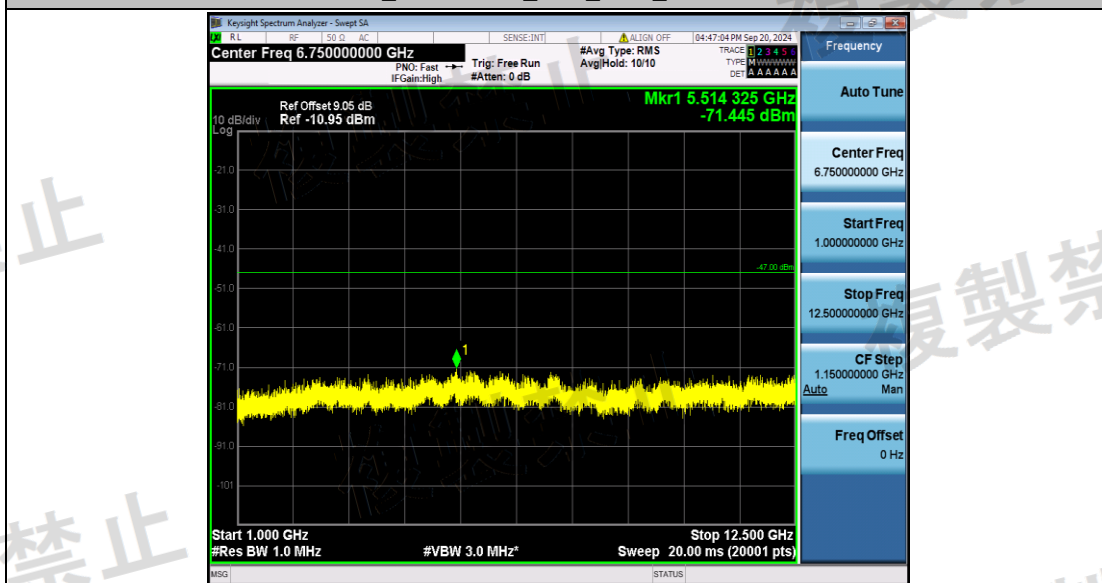




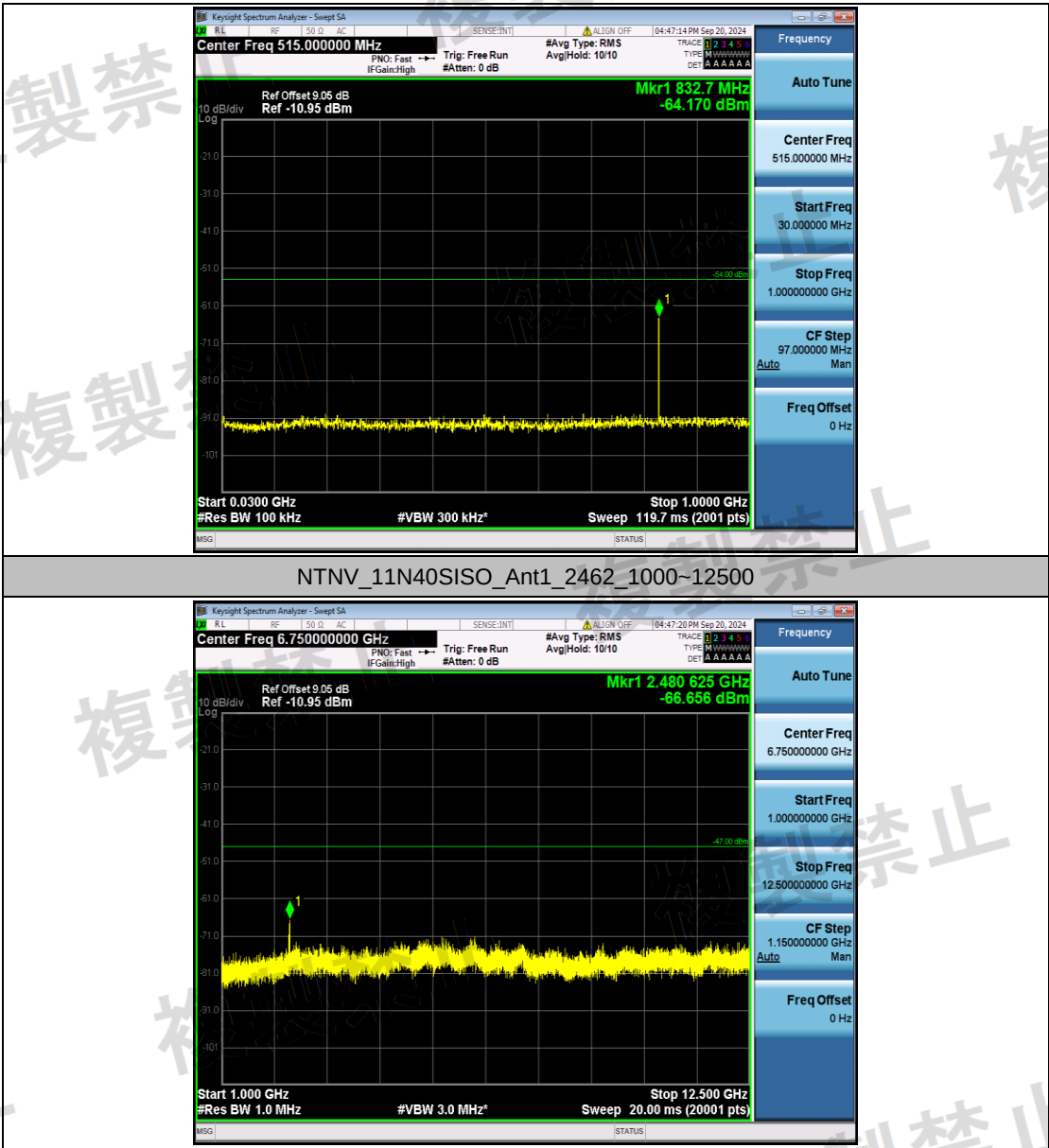
NTNV_11N40SISO_Ant1_2442_30~1000



NTNV_11N40SISO_Ant1_2442_1000~12500



NTNV_11N40SISO_Ant1_2462_30~1000



NTNV_11N40SISO_Ant1_2462_1000~12500