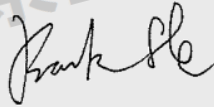


Test report No:

2630259R.702D

MIC TEST REPORT

Product Name	Insta360 Luna Pro
Trademark	Insta360
Model and /or type reference	CINSACHA
Applicant's name / address	Arashi Vision Inc. 11th Floor, Building 2, Jinlitong Financial Center, Bao'an District, 518000 Shenzhen, Guangdong, China
Test method requested, standard	Notification No. 88 Annex 43 Article 2 Paragraph 1 item 19
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Frank He / Technical Manager 
Date of issue	2026-04-15
Report Version	V1.0
Report template No	Template_MIC-BT-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Test Facility	A2LA (Certificate No. 3235.01) CNAS (Certificate No. L5313) FCC - Designation Number: CN1199 Test Firm Registration Number: 566524 ISED - CAB identifier: CN0040 IC#: 4075B
Date (receive sample)	Mar. 23, 2026
Date (start test)	Apr. 05, 2026
Date (finish test)	Apr. 10, 2026

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.
5. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, it is not necessary to account the uncertainty associated with the measurement result.

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2630259R.702D	V1.0	Initial issue of report.	2026-04-15

TEST SUMMARY

Test Item - MIC notification 88 Annex 43				
Performed Test Item	Normative References	Test Performed	Verdict	Remark
Antenna Power Antenna Power Tolerance and E.I.R.P	MIC notification 88 Annex 43 section 6	Yes	PASS	Test data please refer to Appendix
Occupied Bandwidth	MIC Notification 88 Annex 43 section 4	Yes	PASS	Test data please refer to Appendix
Frequency Tolerance	MIC Notification 88 Annex 43 section 3	Yes	PASS	Test data please refer to Appendix
Transmitter Spurious Emissions	MIC Notification 88 Annex 43 section 7	Yes	PASS	Test data please refer to Appendix
Receiver Spurious Emissions	MIC Notification 88 Annex 43 section 7	Yes	PASS	Test data please refer to Appendix
Interference Prevention Function	MIC Notification 88 Annex 43 section 12	Yes	PASS	Test data please refer to Appendix
Note1: Based on the original DEKRA report 2610076R.702D, this product has changed the DDR model and removed the front ISP and I2C resistor of the secondary camera. The product has been changed from a dual-camera to a single-camera design, and the RF module and RF circuitry remain unchanged. Based on technical assessment, sampling inspections for Power and Spurious Emission verification were conducted only under the most extreme conditions. For related test data, please refer to DEKRA report 2610076R.702D.				

USED EQUIPMENT

Conducted Test/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Wireless Connectivity Tester	R&S	CMW 270	102593	2025.05.10	2026.05.09
Temperature/Humidity Meter	RTS	RTS-8S	RF07	2025.06.17	2026.06.16
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2025.09.20	2026.09.19
RF Control Unit	Tonscend	JS0806-2	22G8060594	2025.12.07	2026.12.06
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2025.03.23	2026.03.22
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2025.03.23	2026.03.22
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2025.05.10	2026.05.09

Instrument	Manufacturer	Model No.	Serial No.	Firmware Version	Software version	Calibration Body	Calibration Method
Wireless Connectivity Tester	R&S	CMW 270	102593	V 4.0.60	N/A	CEPREI	c
Temperature/Humidity Meter	RTS	RTS-8S	RF07	N/A	N/A	CEPREI	c
MAX Signal Analyzer	Keysight	N9010A	MY48030494	A.14.03	N/A	CEPREI	c
RF Control Unit	Tonscend	JS0806-2	22G8060594	N/A	N/A	CEPREI	c
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	B.01.96	N/A	CEPREI	c
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	N/A	N/A	CEPREI	c
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	B.01.95	N/A	GRGTEST	c

Calibration Method:

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.

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

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

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

the calibration corresponds to C described above.

From TBL Article 87, paragraph 1, item 2

Notice: Calibration duration for above equipments is 1 year.

CEPREI : China ceprei laboratory calibration & testing centre.

DEKRA : DEKRA Testing and Certification (Suzhou) Co., Ltd.

GRGTEST: Grg Metrology&Test (WuXi) Co.,Ltd.

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Test item	Uncertainty
Antenna Power Antenna Power Tolerance and E.I.R.P	± 1.3 dB
Spread Bandwidth and Spread Factor	± 0.15 kHz
Occupied Bandwidth	± 0.15 kHz
Frequency Tolerance	± 0.15 kHz
Dwell Time	± 2.0 ms
Transmitter Spurious Emissions	± 1.3 dB
Receiver Spurious Emissions	± 1.3 dB

1 GENERAL INFORMATION

Product Name:	Insta360 Luna Pro
Model Name:	CINSACHA
Trademark:	Insta360
Hardware Version:	V10
Software Version:	V1.2.51
Manufacturer:	Arashi Vision Inc.
Manufacturer Address:	11th Floor, Building 2, Jinlitong Financial Center, Bao'an District, 518000 Shenzhen, Guangdong, China
Power Supply:	3.85 Vdc, EUT is equipped with an adapter to power it via AC/DC.
SN:	N/A
Wireless specification:	Bluetooth(BR&EDR)
Operating frequency range(s):	2402~2480MHz
Type of Modulation :	GFSK; Pi/4 DQPSK; 8DPSK
Antenna Type:	FPC
Antenna Gain:	0.64 dBi
Declared Power:	1.5mW/MHz
Remark:	1. As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information. 2. The EUT is equipped with two batteries from different brands; only the manufacturers are different, everything else is identical, and the report only reflects data from the worst-performing battery.

Power setting in test

	Mode	Channel	Frequency (MHz)	Power Setting
Bluetooth	DH5	0	2402	Default
		39	2441	Default
		78	2480	Default
	2DH5	0	2402	Default
		39	2441	Default
		78	2480	Default
	3DH5	0	2402	Default
		39	2441	Default
		78	2480	Default

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	ThinkPad T14	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
ADB	N/A	N/A	N/A

Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☐

2.1 Test Voltage

Power supply voltage fluctuation test

Voltage Fluctuation Test	Normal Voltage	High Voltage Normal Voltage +10% of	Low Voltage Normal Voltage -10% of
Input To EUT	DC 3.85 V	DC 3.85 V	DC 3.47 V
Test Result	3.30 V	3.30 V	3.30 V
Voltage Variation	Reference	0%	0%
Note: Changing the supply voltage of the EUT will not change the voltage of the RF module. 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 normal voltage to test all regulations.			

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
Article 2 paragraph 1 item (19)	2023	2.4GHz Band Advanced Low Power Data Communication System
Notification No. 88 Annex 43.	2024	Test methods for radio equipment listed in Article 2, Paragraph 1, Item 19 and Item 19-2-2 of Certification Ordinance
--	--	--

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

No deviation

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 Antenna Power Antenna Power Tolerance and E.I.R.P. VERDICT: PASS

4.1.1 Limit

Standard Article 2 Paragraph 1 item 19

Output Power

- ☒ Channel Power of DSSS, the limit should $\leq 10\text{mW/MHz}$
- ☒ Channel Power of FHSS, the limit should $\leq 3\text{mW/MHz}$
- ☐ Channel Power of OFDM
- ☐ Nominal Bandwidth = 20MHz, the limit should $\leq 10\text{mW/MHz}$
- ☐ Nominal Bandwidth = 40MHz, the limit should $\leq 5\text{mW/MHz}$
- ☐ Channel Power of other situation, the limit should $\leq 10\text{mW}$

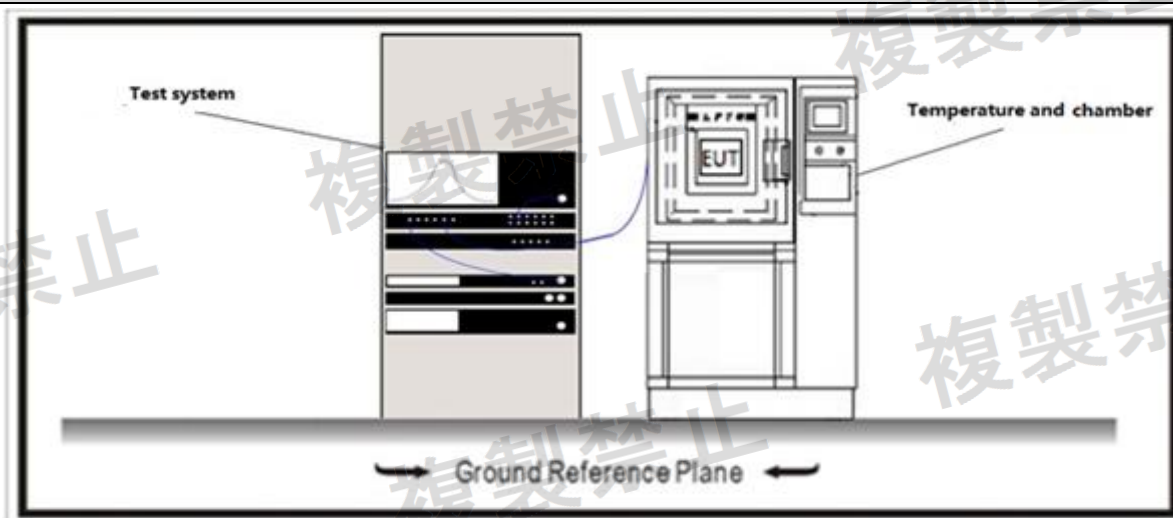
EIRP

- ☒ Undirected: 6.91dBm/MHz or less
- ☒ Directional: 16.91dBm/MHz or less

Output Power Tolerance

- ☒ Output Power Tolerance: +20%

4.1.2 Test Set up



4.1.3 Test Procedure

References Rule

☒ MIC Notification 88 Annex 43

Step 1. Condition of measuring instrument

(1) Measure the equivalent noise bandwidth at the resolution bandwidth of 1 MHz of the spectrum analyzer, correct the bandwidth to the 1 MHz equivalent bandwidth, and read the displayed value. However, when the spread bandwidth is 1 MHz or less, correction shall be performed only when "spread bandwidth (MHz)/equivalent noise bandwidth (MHz)" exceeds 1.

(2) The attenuation of the dummy load (attenuator) shall be the value that gives the optimum operating input level to the spectrum analyzer.

(3) Set the spectrum analyzer as follows when searching for the frequency that gives the maximum antenna power.

Center frequency	Test frequency
Sweep frequency width	About twice the occupied frequency bandwidth
Resolution bandwidth	1MHz
Video bandwidth	About three times the resolution bandwidth
Sweep time	Minimum time for guaranteed measurement accuracy
(In the case of burst waves, the time at which one or more bursts are included per sample)	

Trigger condition	Free run
Sweep mode	Continuous sweep
Detection mode	positive peak
Display mode	Max hold

(4) Set the spectrum analyzer as follows when measuring the antenna power.

Center frequency	The frequency that gives the maximum power (searched frequency)
Sweep frequency width	0Hz
Resolution bandwidth	1MHz
Video bandwidth	Same as resolution bandwidth
Sweep mode	Continuous sweep

Step 2. Measurement procedure

a. Confirming in the submitted document that the frequency hopping intervals in the frequency distribution of frequency hopping are equal intervals of 1 MHz or less, and that the probability of occurrence at each hopping frequency is uniform, and that the probability of occurrence at each hopping frequency is uniform. If it is, it is implemented by the following method.

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

(b) Divide the total power by the spreading bandwidth to calculate the average power per 1 MHz.

(c) Antenna power shall be as follows.

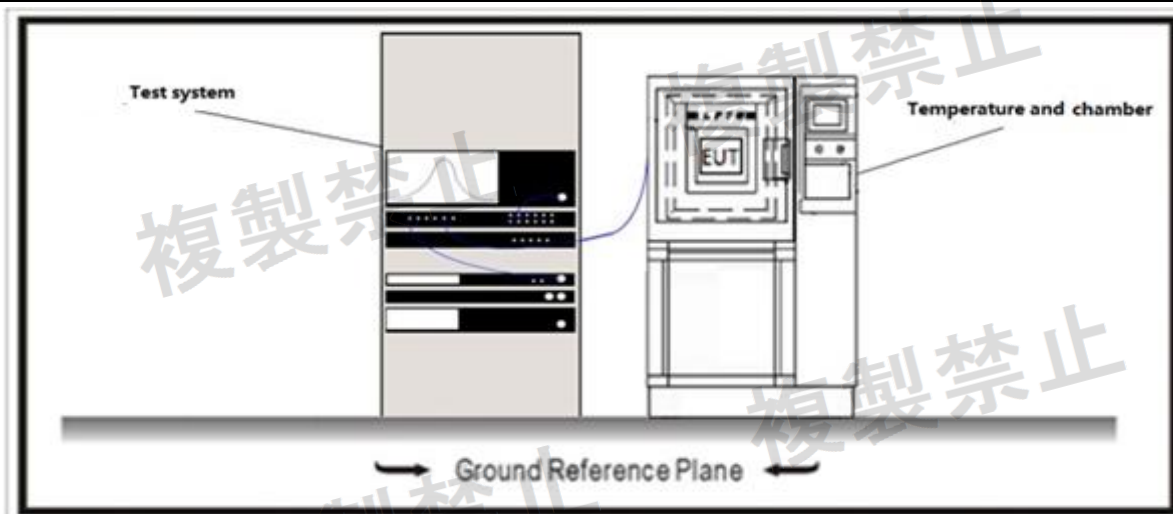
A Value of (b) for continuous wave

B For burst wave Average power in burst is calculated from the value of (b) and the transmission time rate.

b. If the frequency distribution of frequency hopping or the probability of occurrence at each hopping frequency is not uniform, set the spectrum analyzer as in Step1(3) to search for the frequency that gives the maximum antenna power, and then perform spectrum analysis. Set the device as in Step1(4), and measure the antenna power at the frequency that gives the maximum power.

4.2 Occupied Bandwidth**VERDICT: PASS****4.2.1 Limit****Standard**

Article 2 Paragraph 1 item 19

 ≤ 26 MHz for DSSS&OFDM, ≤ 83.5 MHz for FHSS, ≤ 38 MHz for OFDM(Wide-band)**4.2.2 Test Setup****4.2.3 Test Procedure**

References Rule

☒ MIC Notification 88 Annex 43

Step 1

1. Set spectrum analyzer to following setting:

Center frequency: Equal to center frequency of test signal

Span: Between 2 times and 3.5 times the limited bandwidth.

RBW: Less than 3% of the limited bandwidth

VBW: Equal to RBW

Sweep mode: Continuous sweep

Detect mode: Positive peak

Trace mode: Max hold

2. The integrated 99% power bandwidth function may be used to measure the spread bandwidth.

4.3 Frequency Tolerance

VERDICT: **PASS**

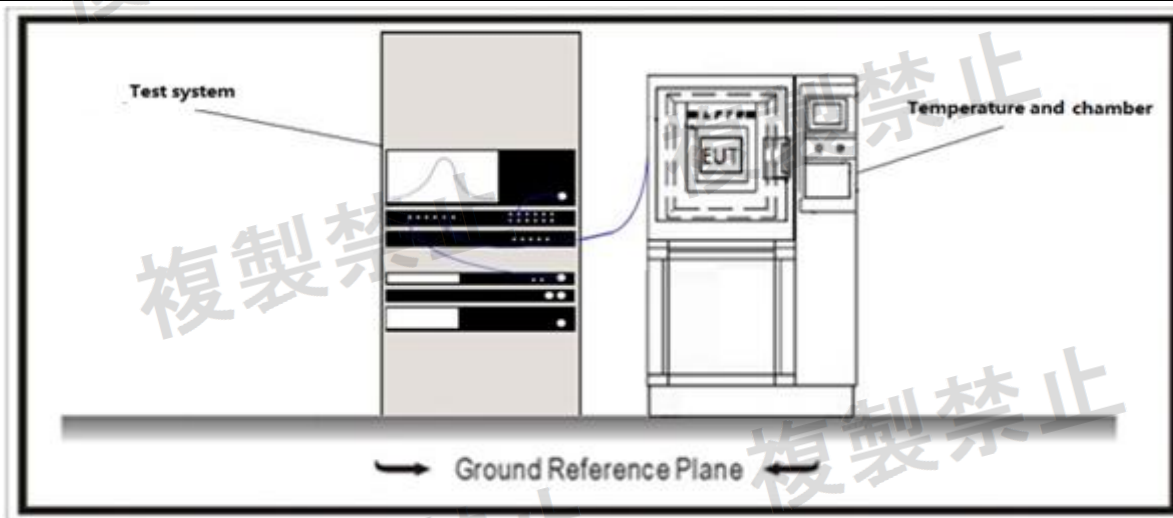
4.3.1 Limit

Standard

Article 2 Paragraph 1 item 19

$\leq \pm 50$ ppm

4.3.2 Test Setup



4.3.3 Test Procedure

References Rule

☒ MIC Notification 88 Annex 43

The measurement accuracy of the frequency meter shall be 1/10 or less of the permissible value specified in the equipment regulations.

☐ Unmodulation Wave (CW signal)

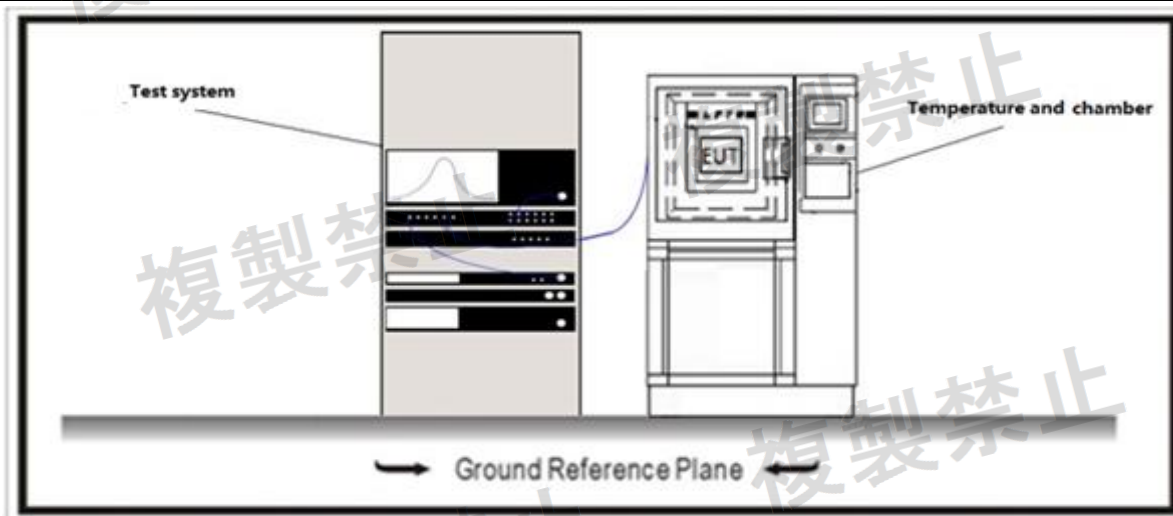
- Set spectrum analyzer as following setting:
Center frequency: Equal to center frequency of signal under test
Span: Widest enough to see the entire waveform
RBW: 3kHz
VBW: 10kHz
Detect mode: Positive Peak
Trace mode: Max hold
Sweep time: Auto
- Use the peak search function to find the highest level frequency and record data.

☒ Modulation Wave

- Set spectrum analyzer to following setting:
Center frequency: Equal to center frequency of signal under test
Span: Widest enough to see the entire waveform
RBW: 100kHz
VBW: 100kHz
Detect mode: Positive Peak
Trace mode: Max hold
Sweep time: Auto
- Use the peak search function to find the highest level frequency, record maximum level.
- Setting display line to 10dB lower than the maximum level.
- Mark the lowest and highest frequency where the test signal intersect the display line, record the frequency F_L , F_H .
- The Center frequency of test $F_C = (F_L + F_H)/2$

4.4 Dwell Time**VERDICT: PASS****4.4.1 Limit****Standard**

Article 2 Paragraph 1 item 19

 ≤ 400 ms**4.4.2 Test Setup****4.4.3 Test Procedure**

References Rule

☒ MIC Notification 88 Annex 43

Step 1

Center frequency: Equal to center frequency of signal under test

RBW: 1 MHz ; VBW : 1 MHz ; Span: 0 MHz

Detector Positive Peak ; Trace Max Hold

The transmitter output (antenna port) was connected to the spectrum analyzer.

Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.

Use a video trigger with the trigger level set to enable triggering only on full pulses.

Sweep Time is more than once pulse time.

Set the center frequency on any frequency would be measure and set the frequency span to zero span.

4.5 Transmitter Spurious Emission**VERDICT: PASS****4.5.1 Limit****Standard**

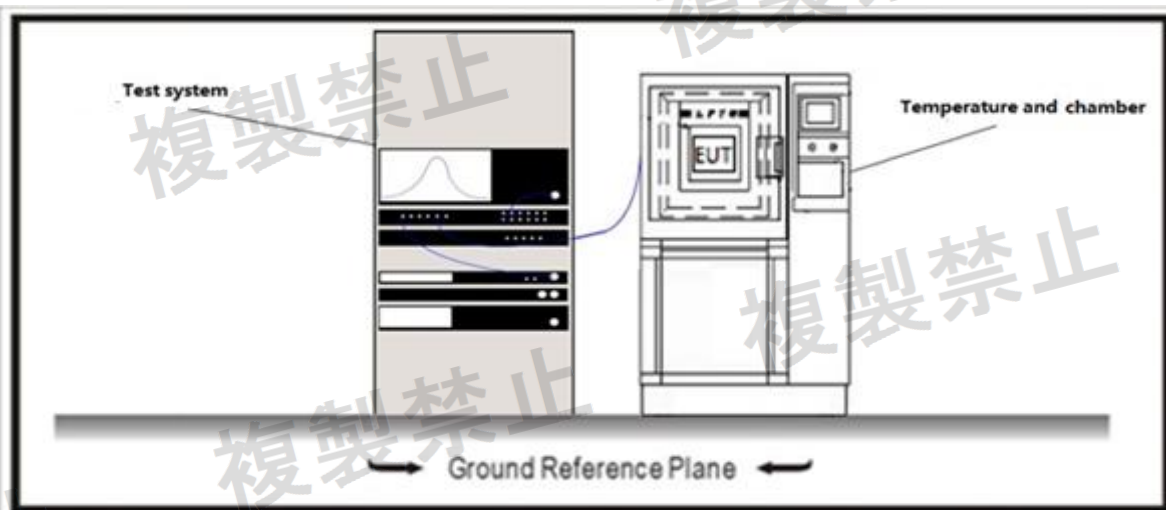
Article 2 Paragraph 1 item 19

<= 2.5uW/MHz for 30 - 2387 MHz

<= 25uW/MHz for 2387 - 2400 MHz

<= 25uW/MHz for 2483.5 - 2496.5 MHz

<= 2.5uW/MHz for 2496.5 - 12500 MHz

4.5.2 Test Setup**4.5.3 Test Procedure**

References Rule

☒ MIC Notification 88 Annex 43

Step 1

1. Set the spectrum analyzer as follows when searching.

Sweep frequency width	30MHz to 5 times the carrier frequency
Resolution bandwidth	100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth	Same as resolution bandwidth
Sweep time	Minimum time for guaranteed measurement accuracy
Sweep mode	Single sweep
Detection mode	positive peak

2. Set the spectrum analyzer for secondary emission measurement as follows.

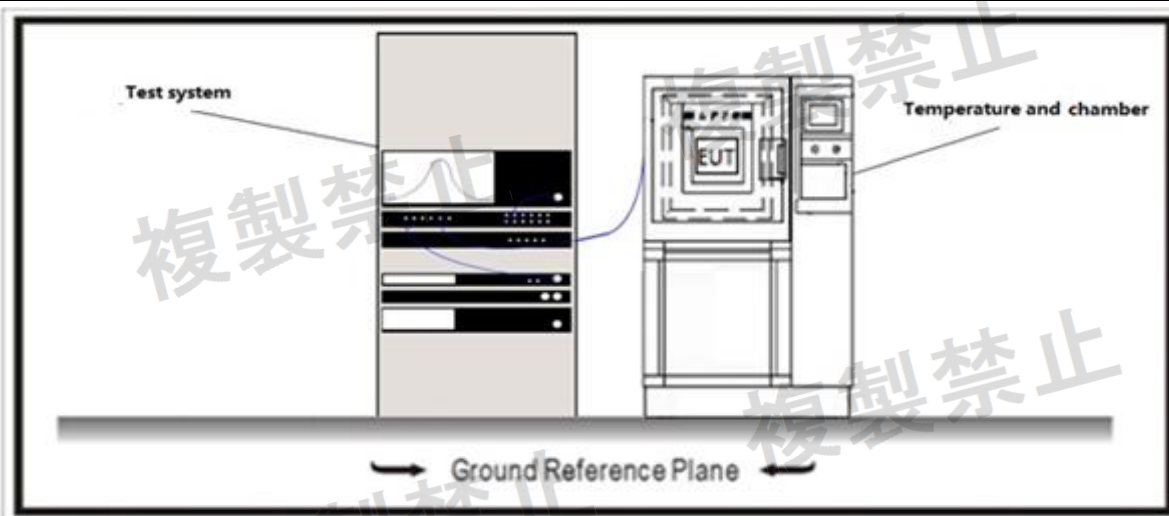
Center frequency	Secondary emission frequency
Sweep frequency width	0Hz
Resolution bandwidth	100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth	Same as resolution bandwidth
Sweep time	Minimum time for guaranteed measurement accuracy
Sweep mode	Single sweep
Detection mode	sample

4.6 Receiver Spurious Emission**VERDICT: PASS****4.6.1 Limit****Standard**

Article 2 Paragraph 1 item 19

<= 4nW for 30 - 1000 MHz

<= 20nW for 1000 - 12500MHz

4.6.2 Test Setup**4.6.3 Test Procedure**

References Rule

☒ MIC Notification 88 Annex 43

Step 1

1. Set the spectrum analyzer as follows when searching.

Sweep frequency width 30MHz to 5 times the carrier frequency

Resolution bandwidth 100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz

Video bandwidth Same as resolution bandwidth

Sweep time Minimum time for guaranteed measurement accuracy

Sweep mode Single sweep

Detection mode positive peak

2. Set the spectrum analyzer for secondary emission measurement as follows.

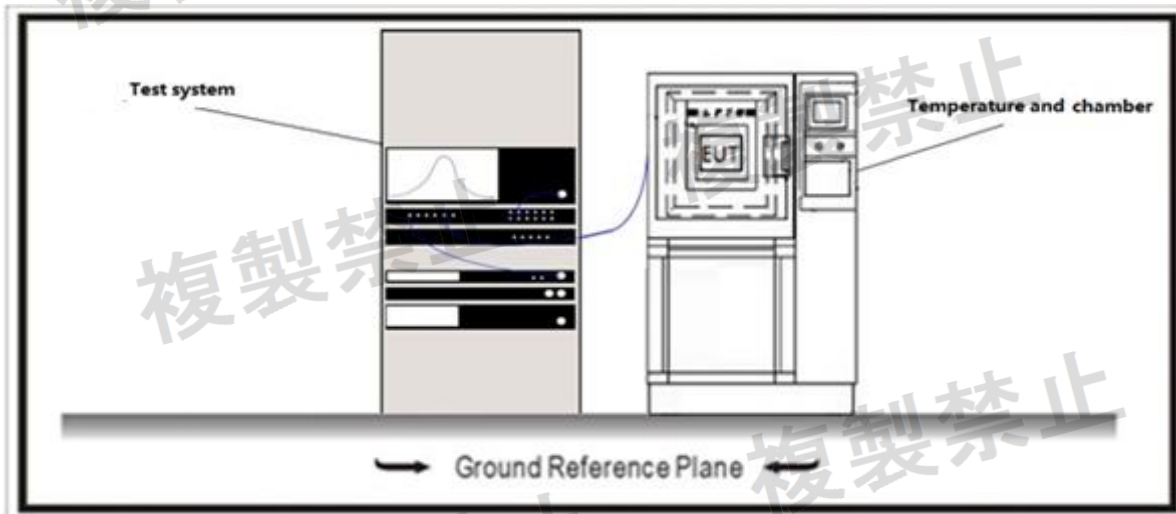
Center frequency Secondary emission frequency

Sweep frequency width	0Hz
Resolution bandwidth	100 kHz for frequencies below 1 GHz, 1 MHz for frequencies above 1 GHz
Video bandwidth	Same as resolution bandwidth
Sweep time	Minimum time for guaranteed measurement accuracy
Sweep mode	Single sweep
Detection mode	sample

4.7 Interference Prevention Function Measurement**VERDICT: PASS****4.7.1 Limit****Standard**

Article 2 Paragraph 1 of item 19

The one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

4.7.2 Test Setup**4.7.3 Test Procedure**

References Rule

☒ Notification No. 88 Annex 43.

Step 1

1. Establish communication between EUT and auxiliary equipment, auxiliary must have an ability to parse and display the identifier code.
2. When the test equipment has the function of automatically transmitting the identification code.
 - A. The test equipment sends the identification code specified in the equipment rules.
 - B. Check the identification code sent by the demodulator.
3. When the test equipment has the function of automatically receiving the identification code.
 - A. The opposite device transmits the identification code specified in the device rules.
 - B. Verify that a dedicated fixture is used to communicate with the test equipment.
 - C. Send a code from the counter that differs from the identification code specified in the equipment rules.
 - D. Verify that the test equipment stops transmitting or displays a different ID.
4. If the encoding specified in the device rules is the same as the demodulated encoding, recorded as "Good", otherwise record as "No".

5 Conforming the structure that is difficult to open

The Radio Equipment:	
☐	Use Special Screw
☒	Metal Shielding is Soldered
☐	Use Ball Grid Array (BGA)
☐	RF module/Chip Pins > 20
☐	RF module/Chip Pins distance < 1.5 mm

The high-frequency section and modulation section (except for the antenna system) are not capable of being opened easily.

6 SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

Appendix

Antenna Power Antenna Power Tolerance and E.I.R.P

Output Power And E.I.R.P

Mode		Frequency (MHz)	Antenna Power		EIRP (dBm/MHz)	Limit		Pass/Fail
			(dBm/MHz)	(mW/MHz)		Antenna Power (mW/MHz)	EIRP (dBm/MHz)	
FHSS	DH5	2402~2480	-3.67	0.43	-3.03	3.00	6.91	Pass
	2DH5	2402~2480	-6.38	0.23	-5.74	3.00	6.91	Pass
	3DH5	2402~2480	-6.27	0.24	-5.63	3.00	6.91	Pass
AFH	DH5	2402~2421	0.86	1.22	1.50	3.00	6.91	Pass
	2DH5	2402~2421	-3.27	0.47	-2.63	3.00	6.91	Pass
	3DH5	2402~2421	-3.18	0.48	-2.54	3.00	6.91	Pass

Note: EIRP = Antenna Power + Antenna Gain (dBi)

Output Power Density Tolerance

Mode		Frequency (MHz)	Declared Power	Antenna Power	Tolerance (%)	Limit (%)	Pass/Fail
			(mW/MHz)	(mW/MHz)			
FHSS	DH5	2402~2480	1.5	0.43	-71.33	+20	Pass
	2DH5	2402~2480	1.5	0.23	-84.67	+20	Pass
	3DH5	2402~2480	1.5	0.24	-84.00	+20	Pass
AFH	DH5	2402~2421	1.5	1.22	-18.67	+20	Pass
	2DH5	2402~2421	1.5	0.47	-68.67	+20	Pass
	3DH5	2402~2421	1.5	0.48	-68.00	+20	Pass

Note: Tolerance = (Antenna Power – Declared Power) / Declared Power * 100%

Worse case spot check data:**Output Power And E.I.R.P**

Mode		Frequency (MHz)	Antenna Power		EIRP (dBm/MHz)	Limit		Pass/Fail
			(dBm/MHz)	(mW/MHz)		Antenna Power (mW/MHz)	EIRP (dBm/MHz)	
FHSS	DH5	2402~2480	-3.67	0.42	-3.11	3.00	6.91	Pass
AFH	DH5	2402~2421	0.86	1.05	0.87	3.00	6.91	Pass

Note: EIRP = Antenna Power + Antenna Gain (dBi)

Output Power Density Tolerance

Mode		Frequency (MHz)	Declared Power	Antenna Power	Tolerance (%)	Limit (%)	Pass/Fail
			(mW/MHz)	(mW/MHz)			
FHSS	DH5	2402~2480	1.5	0.42	-72.00	+20	Pass
AFH	DH5	2402~2421	1.5	1.05	-30.00	+20	Pass

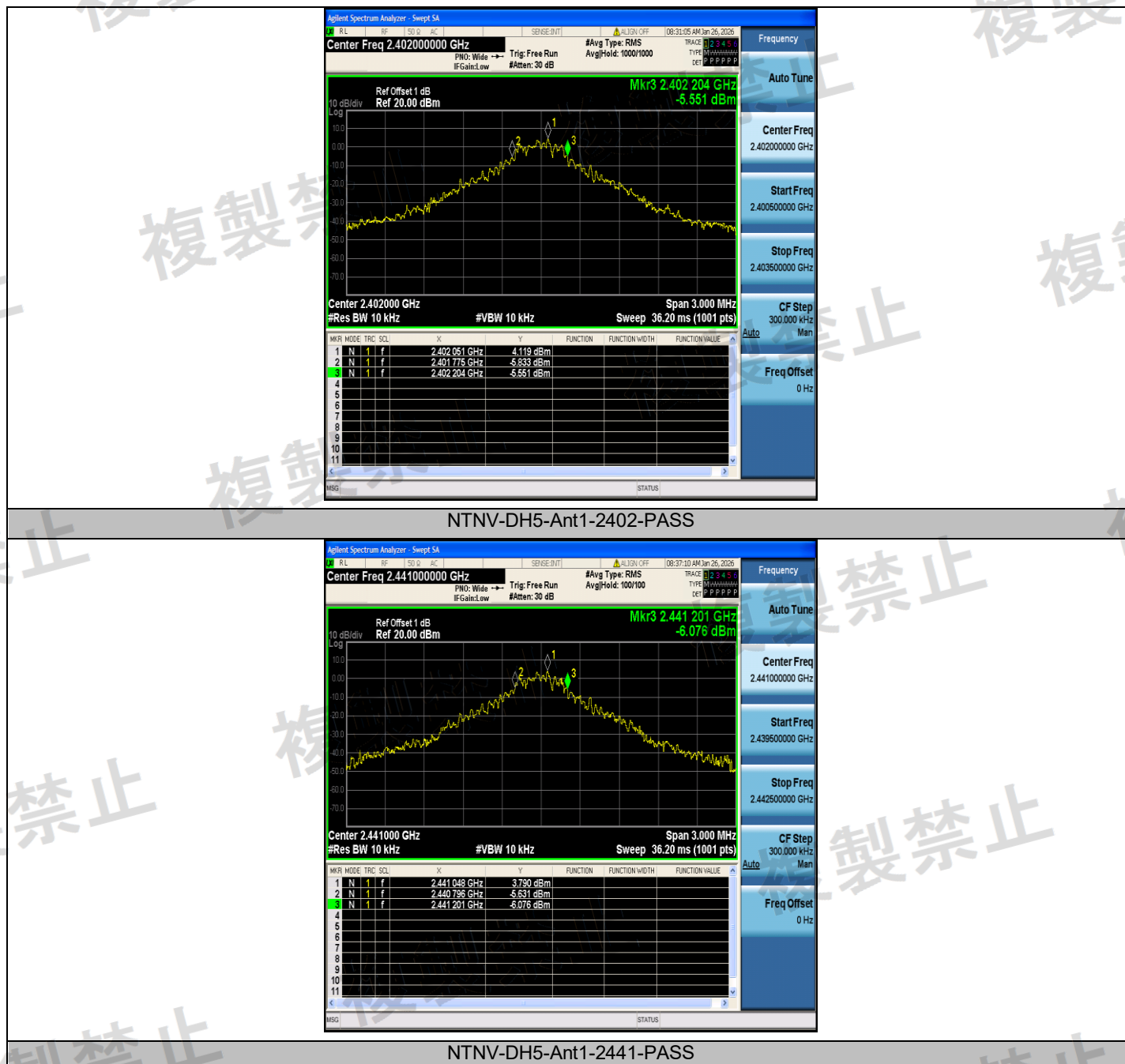
Note: Tolerance = (Antenna Power – Declared Power) / Declared Power * 100%

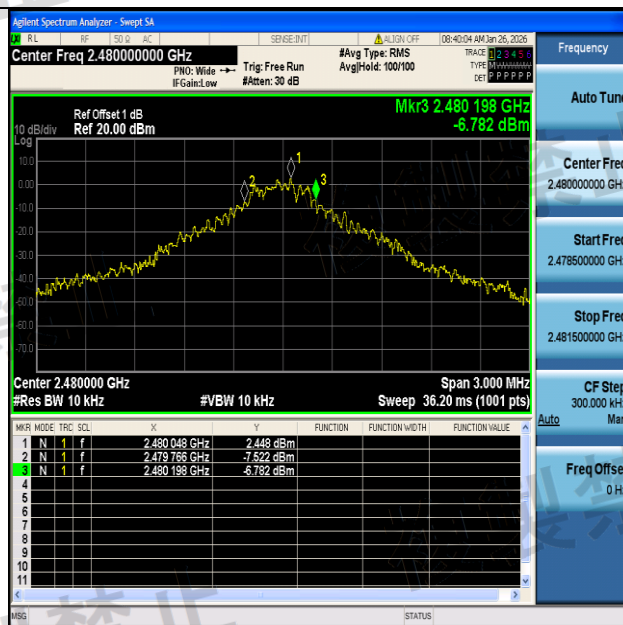
**Frequency_Error
Test Result**

Test Condition	Test Mode	Antenna	Frequency[MHz]	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	DH5	Ant1	2402	2401.9895	-4.37136	±50	PASS
NTNV	DH5	Ant1	2441	2440.9985	-0.61450	±50	PASS
NTNV	DH5	Ant1	2480	2479.982	-7.25807	±50	PASS
NTNV	2DH5	Ant1	2402	2402.0015	0.62448	±50	PASS
NTNV	2DH5	Ant1	2441	2440.9805	-7.98853	±50	PASS
NTNV	2DH5	Ant1	2480	2479.997	-1.20968	±50	PASS
NTNV	3DH5	Ant1	2402	2402.0105	4.37136	±50	PASS
NTNV	3DH5	Ant1	2441	2441.009	3.68701	±50	PASS
NTNV	3DH5	Ant1	2480	2480.0075	3.02419	±50	PASS

Note: Result[ppm]= (CenterFreq - Channel)/Channel*1000000

Test Graphs

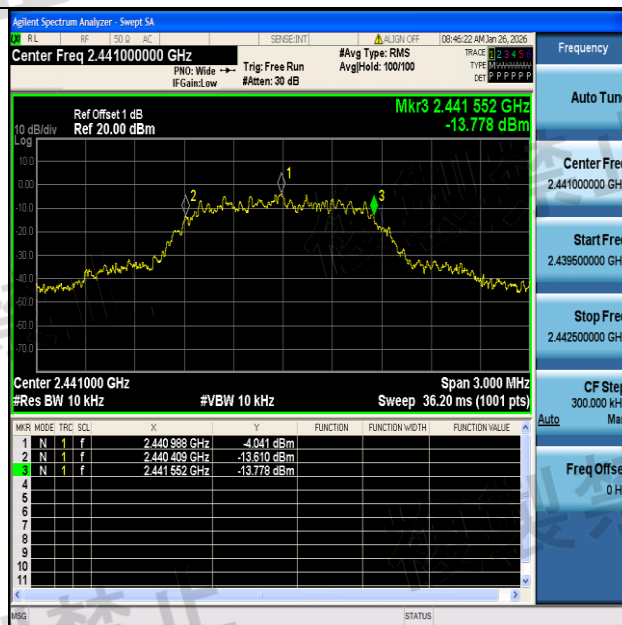




NTNV-DH5-Ant1-2480-PASS



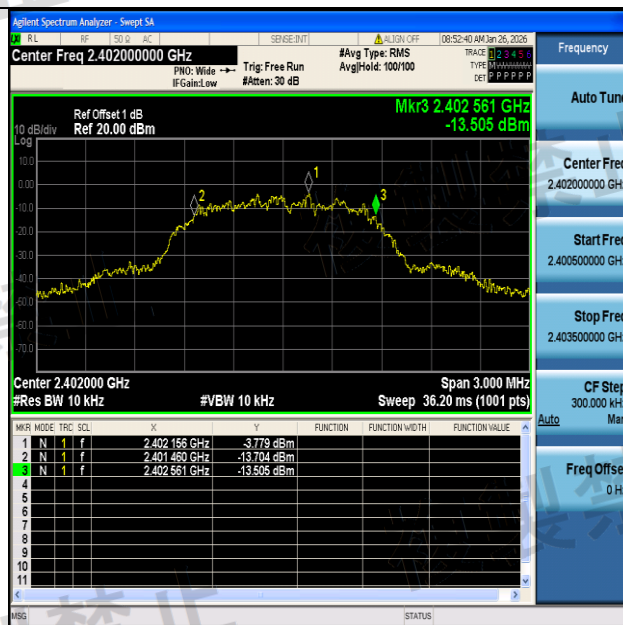
NTNV-2DH5-Ant1-2402-PASS



NTVN-2DH5-Ant1-2441-PASS



NTVN-2DH5-Ant1-2480-PASS



NTNV-3DH5-Ant1-2402-PASS



NTNV-3DH5-Ant1-2441-PASS

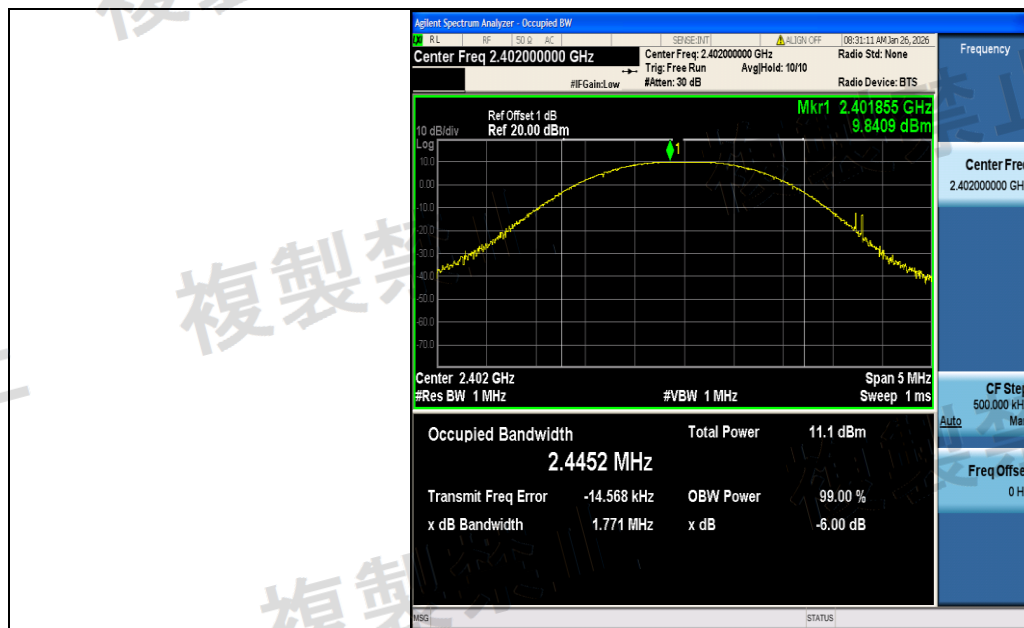


Occupied Bandwidth Test Result

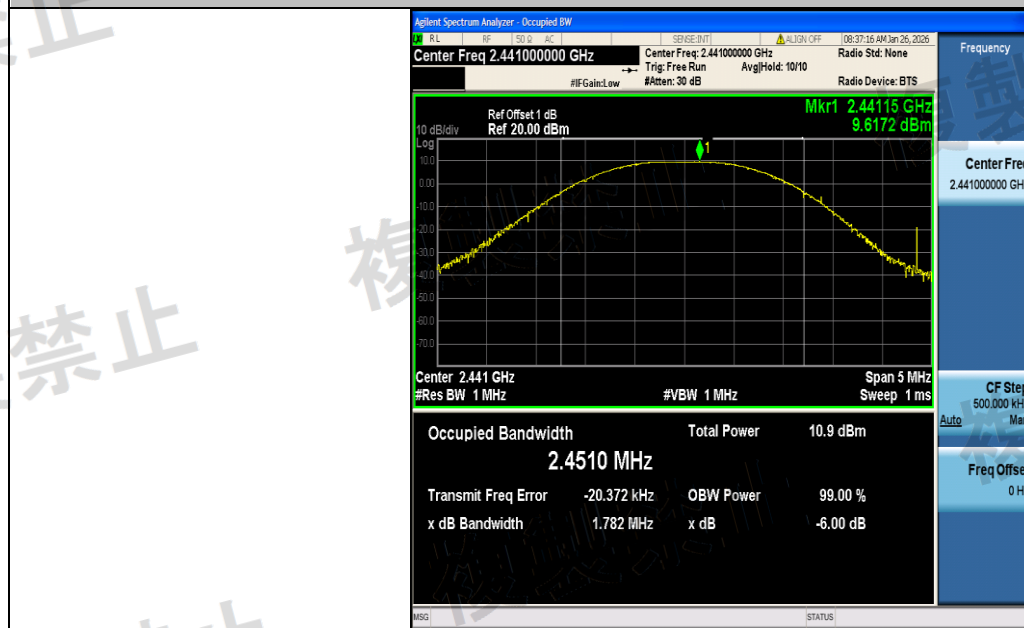
Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	2402	2.445	≤83.5	PASS
NTNV	DH5	Ant1	2441	2.451	≤83.5	PASS
NTNV	DH5	Ant1	2480	2.464	≤83.5	PASS
NTNV	2DH5	Ant1	2402	2.683	≤83.5	PASS
NTNV	2DH5	Ant1	2441	2.720	≤83.5	PASS
NTNV	2DH5	Ant1	2480	2.758	≤83.5	PASS
NTNV	3DH5	Ant1	2402	2.728	≤83.5	PASS
NTNV	3DH5	Ant1	2441	2.739	≤83.5	PASS
NTNV	3DH5	Ant1	2480	2.759	≤83.5	PASS

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	78.741	≤83.5	PASS
NTNV	2DH5	Ant1	Hop	78.794	≤83.5	PASS
NTNV	3DH5	Ant1	Hop	78.725	≤83.5	PASS

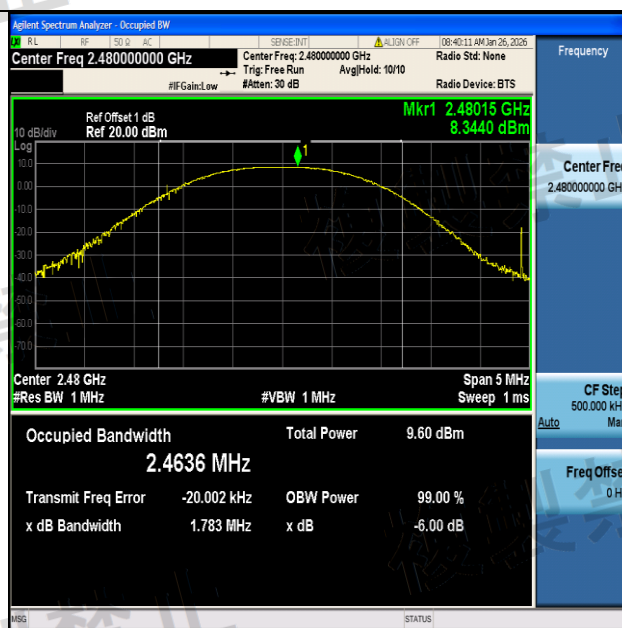
Test Graphs



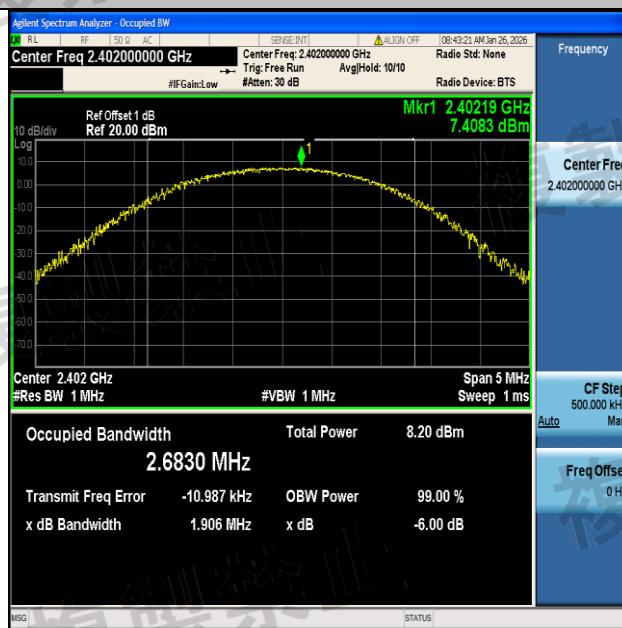
NTNV-DH5-Ant1-2402-PASS



NTNV-DH5-Ant1-2441-PASS



NTNV-DH5-Ant1-2480-PASS



NTNV-2DH5-Ant1-2402-PASS



NTNV-2DH5-Ant1-2441-PASS



NTNV-2DH5-Ant1-2480-PASS



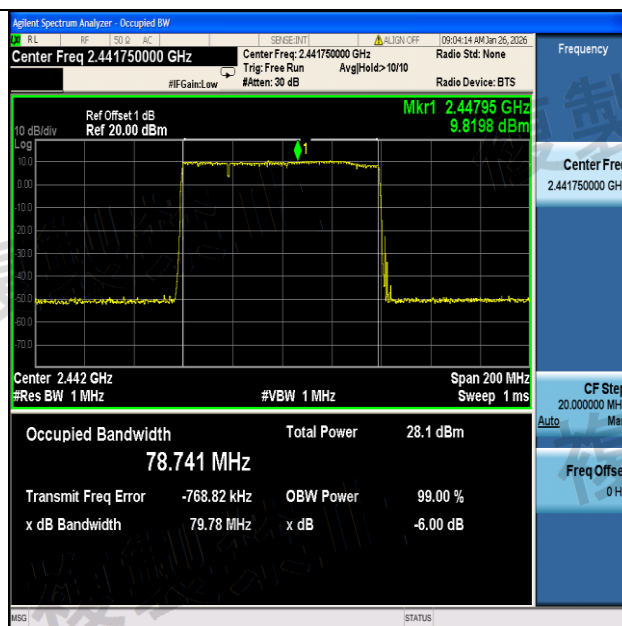
NTNV-3DH5-Ant1-2402-PASS



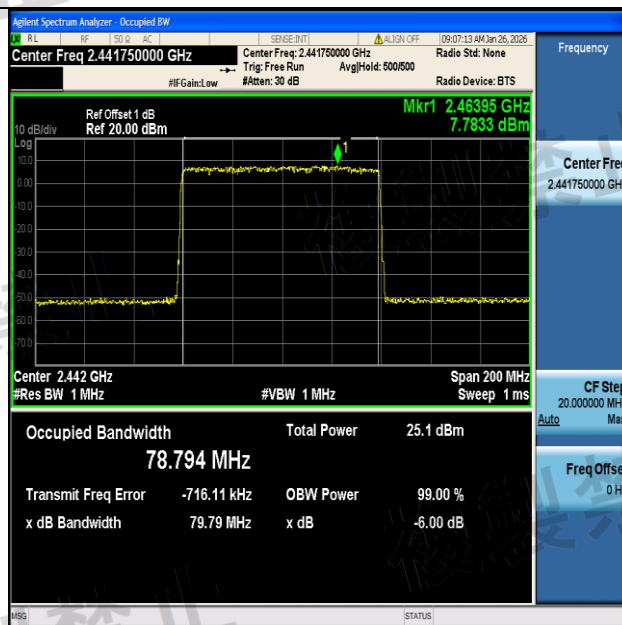
NTNV-3DH5-Ant1-2441-PASS



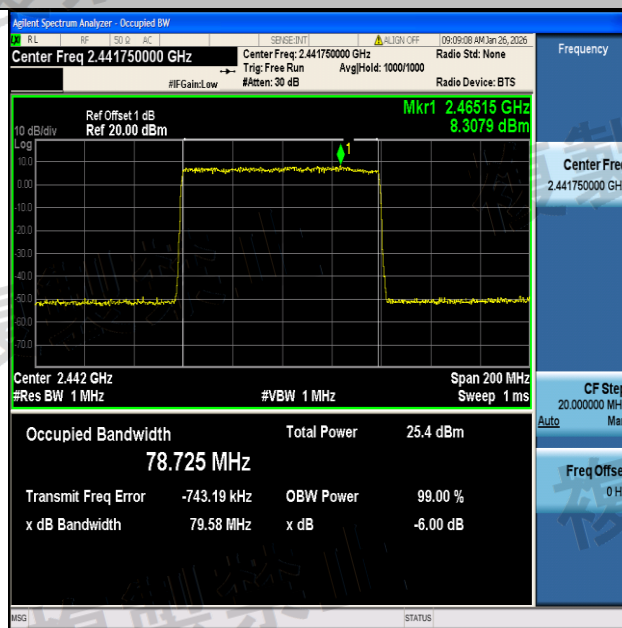
NTNV-3DH5-Ant1-2480-PASS



NTNV-DH5-Ant1-Hop-PASS



NTNV-2DH5-Ant1-Hop-PASS

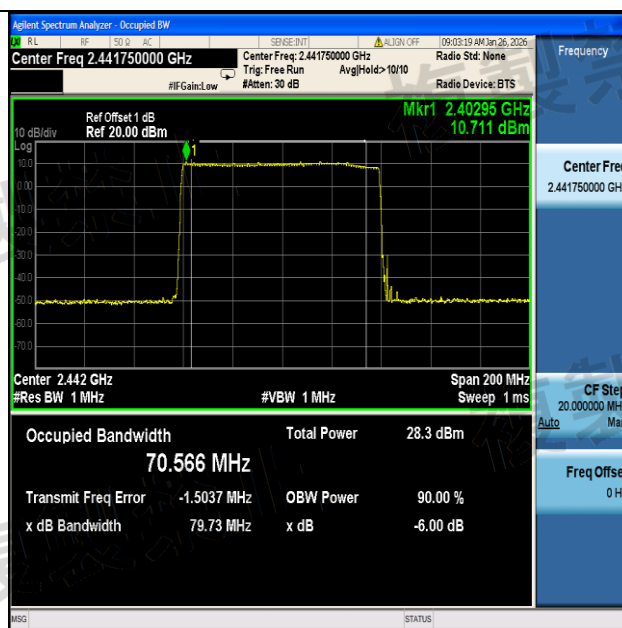


NTNV-3DH5-Ant1-Hop-PASS

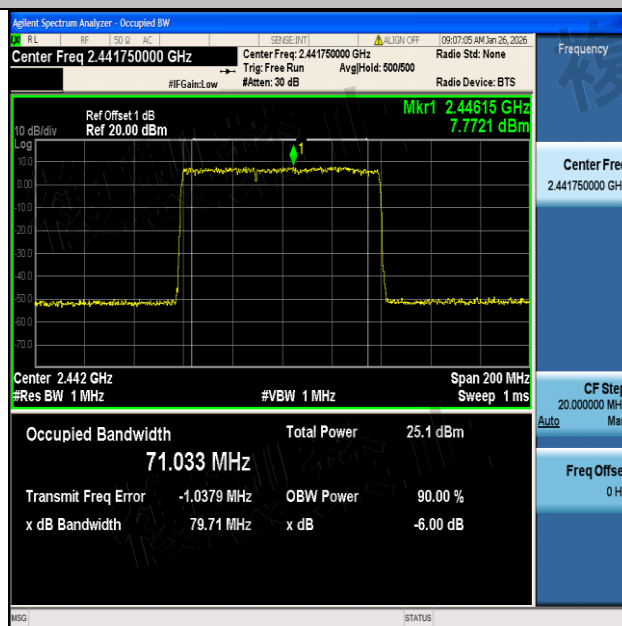
Spread Bandwidth Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	SpreadFactor	Limit	Verdict
NTNV	DH5	Ant1	Hop	70.556	≥0.5	70.556	>5	PASS
NTNV	2DH5	Ant1	Hop	71.033	≥0.5	71.033	>5	PASS
NTNV	3DH5	Ant1	Hop	71.042	≥0.5	71.042	>5	PASS

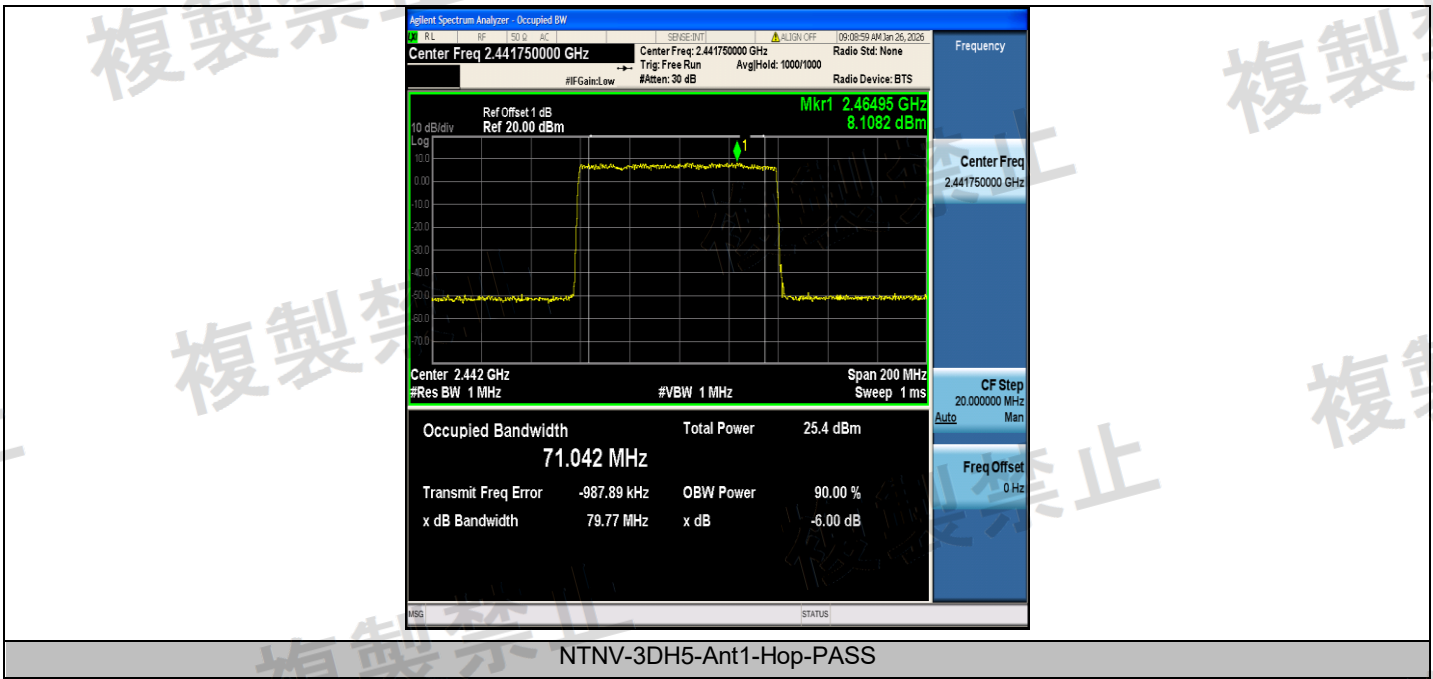
Test Graphs



NTNV-DH5-Ant1-Hop-PASS



NTNV-2DH5-Ant1-Hop-PASS



Spurious Emission of TX

Test Result

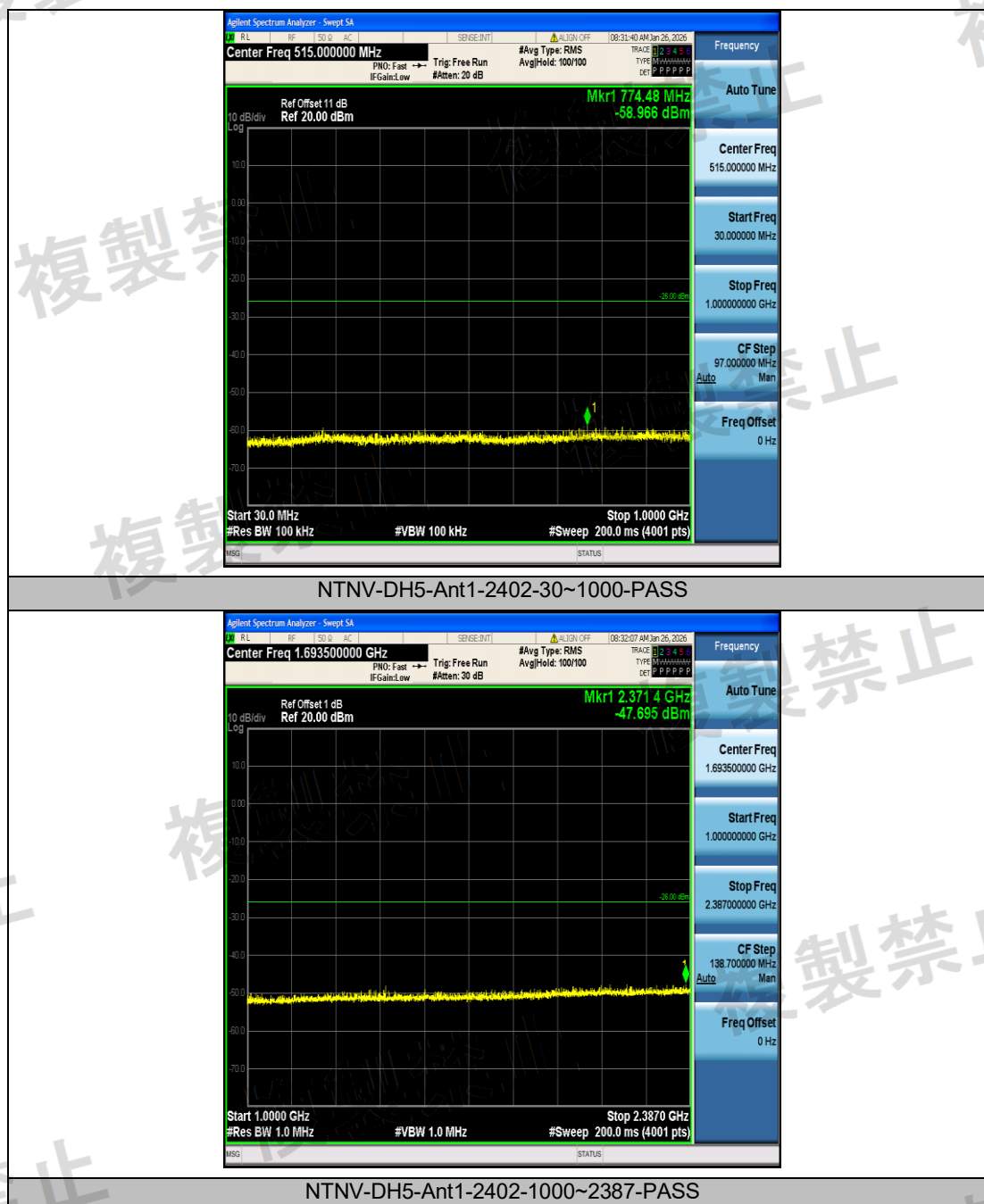
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant1	2402	30~1000	774.48	-58.97	≤-26	0.00127	≤2.5	PASS
NTNV	DH5	Ant1	2402	1000~2387	2371.40	-47.70	≤-26	0.01698	≤2.5	PASS
NTNV	DH5	Ant1	2402	2387~2400	2399.97	-14.18	≤-16	38.1944 3	≤25	See table below
NTNV	DH5	Ant1	2402	2483.5~2496.5	2484.20	-47.48	≤-16	0.01786	≤25	PASS
NTNV	DH5	Ant1	2402	2496.5~13000	4803.59	-38.04	≤-26	0.15704	≤2.5	PASS
NTNV	DH5	Ant1	2441	30~1000	795.82	-58.85	≤-26	0.00130	≤2.5	PASS
NTNV	DH5	Ant1	2441	1000~2387	2164.04	-47.80	≤-26	0.01660	≤2.5	PASS
NTNV	DH5	Ant1	2441	2387~2400	2396.24	-47.74	≤-16	0.01683	≤25	PASS
NTNV	DH5	Ant1	2441	2483.5~2496.5	2488.04	-47.48	≤-16	0.01786	≤25	PASS
NTNV	DH5	Ant1	2441	2496.5~13000	4881.84	-35.75	≤-26	0.26607	≤2.5	PASS
NTNV	DH5	Ant1	2480	30~1000	878.99	-58.36	≤-26	0.00146	≤2.5	PASS
NTNV	DH5	Ant1	2480	1000~2387	2316.26	-47.22	≤-26	0.01897	≤2.5	PASS
NTNV	DH5	Ant1	2480	2387~2400	2388.22	-47.32	≤-16	0.01854	≤25	PASS
NTNV	DH5	Ant1	2480	2483.5~2496.5	2483.51	-26.61	≤-16	2.18273	≤25	PASS
NTNV	DH5	Ant1	2480	2496.5~13000	4959.57	-35.14	≤-26	0.30620	≤2.5	PASS
NTNV	2DH5	Ant1	2402	30~1000	959.99	-59.22	≤-26	0.00120	≤2.5	PASS
NTNV	2DH5	Ant1	2402	1000~2387	2361.34	-47.72	≤-26	0.01690	≤2.5	PASS
NTNV	2DH5	Ant1	2402	2387~2400	2400.00	-21.76	≤-16	6.66807	≤25	PASS
NTNV	2DH5	Ant1	2402	2483.5~2496.5	2493.61	-47.63	≤-16	0.01726	≤25	PASS
NTNV	2DH5	Ant1	2402	2496.5~13000	4803.59	-41.44	≤-26	0.07178	≤2.5	PASS
NTNV	2DH5	Ant1	2441	30~1000	790.48	-58.80	≤-26	0.00132	≤2.5	PASS
NTNV	2DH5	Ant1	2441	1000~2387	2380.76	-47.11	≤-26	0.01945	≤2.5	PASS
NTNV	2DH5	Ant1	2441	2387~2400	2388.31	-47.82	≤-16	0.01652	≤25	PASS
NTNV	2DH5	Ant1	2441	2483.5~2496.5	2484.48	-47.28	≤-16	0.01871	≤25	PASS
NTNV	2DH5	Ant1	2441	2496.5~13000	4881.84	-38.36	≤-26	0.14588	≤2.5	PASS
NTNV	2DH5	Ant1	2480	30~1000	949.08	-58.95	≤-26	0.00127	≤2.5	PASS
NTNV	2DH5	Ant1	2480	1000~2387	2251.07	-47.74	≤-26	0.01683	≤2.5	PASS
NTNV	2DH5	Ant1	2480	2387~2400	2397.65	-47.73	≤-16	0.01687	≤25	PASS
NTNV	2DH5	Ant1	2480	2483.5~2496.5	2483.50	-42.16	≤-16	0.06081	≤25	PASS
NTNV	2DH5	Ant1	2480	2496.5~13000	4960.10	-36.59	≤-26	0.21928	≤2.5	PASS
NTNV	3DH5	Ant1	2402	30~1000	195.63	-58.52	≤-26	0.00141	≤2.5	PASS
NTNV	3DH5	Ant1	2402	1000~2387	2307.59	-47.48	≤-26	0.01786	≤2.5	PASS
NTNV	3DH5	Ant1	2402	2387~2400	2400.00	-21.65	≤-16	6.83912	≤25	PASS
NTNV	3DH5	Ant1	2402	2483.5~2496.5	2485.20	-46.95	≤-16	0.02018	≤25	PASS
NTNV	3DH5	Ant1	2402	2496.5~13000	4804.12	-41.37	≤-26	0.07295	≤2.5	PASS
NTNV	3DH5	Ant1	2441	30~1000	772.05	-59.22	≤-26	0.00120	≤2.5	PASS
NTNV	3DH5	Ant1	2441	1000~2387	2355.10	-47.31	≤-26	0.01858	≤2.5	PASS
NTNV	3DH5	Ant1	2441	2387~2400	2391.39	-47.77	≤-16	0.01671	≤25	PASS
NTNV	3DH5	Ant1	2441	2483.5~2496.5	2486.31	-47.68	≤-16	0.01706	≤25	PASS
NTNV	3DH5	Ant1	2441	2496.5~13000	4881.84	-38.04	≤-26	0.15704	≤2.5	PASS
NTNV	3DH5	Ant1	2480	30~1000	807.46	-58.58	≤-26	0.00139	≤2.5	PASS
NTNV	3DH5	Ant1	2480	1000~2387	2378.68	-47.39	≤-26	0.01824	≤2.5	PASS
NTNV	3DH5	Ant1	2480	2387~2400	2389.70	-47.75	≤-16	0.01679	≤25	PASS

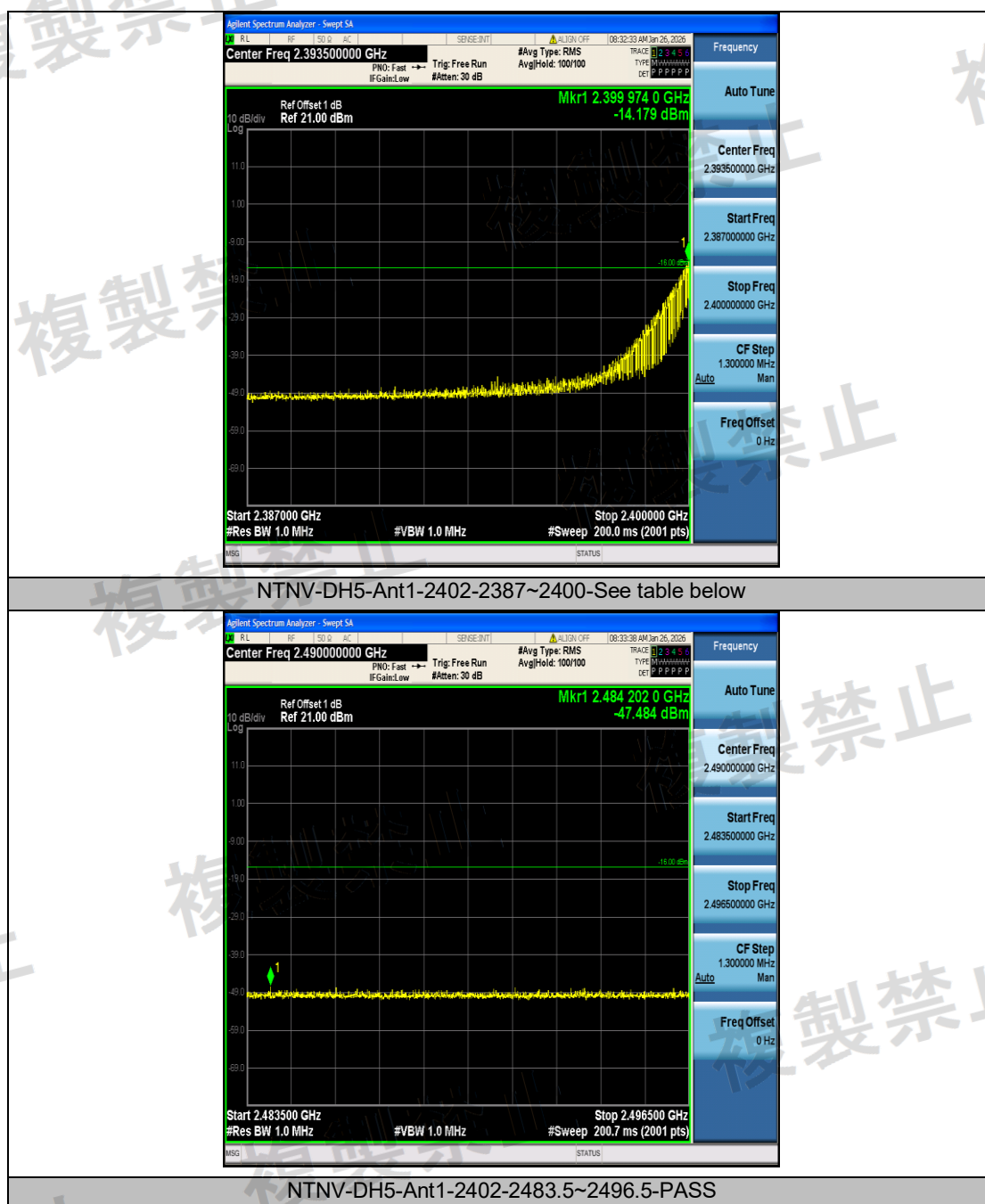
NTNV	3DH5	Ant1	2480	2483.5~2496.5	2483.57	-41.73	≤-16	0.06714	≤25	PASS
NTNV	3DH5	Ant1	2480	2496.5~13000	4960.10	-36.46	≤-26	0.22594	≤2.5	PASS

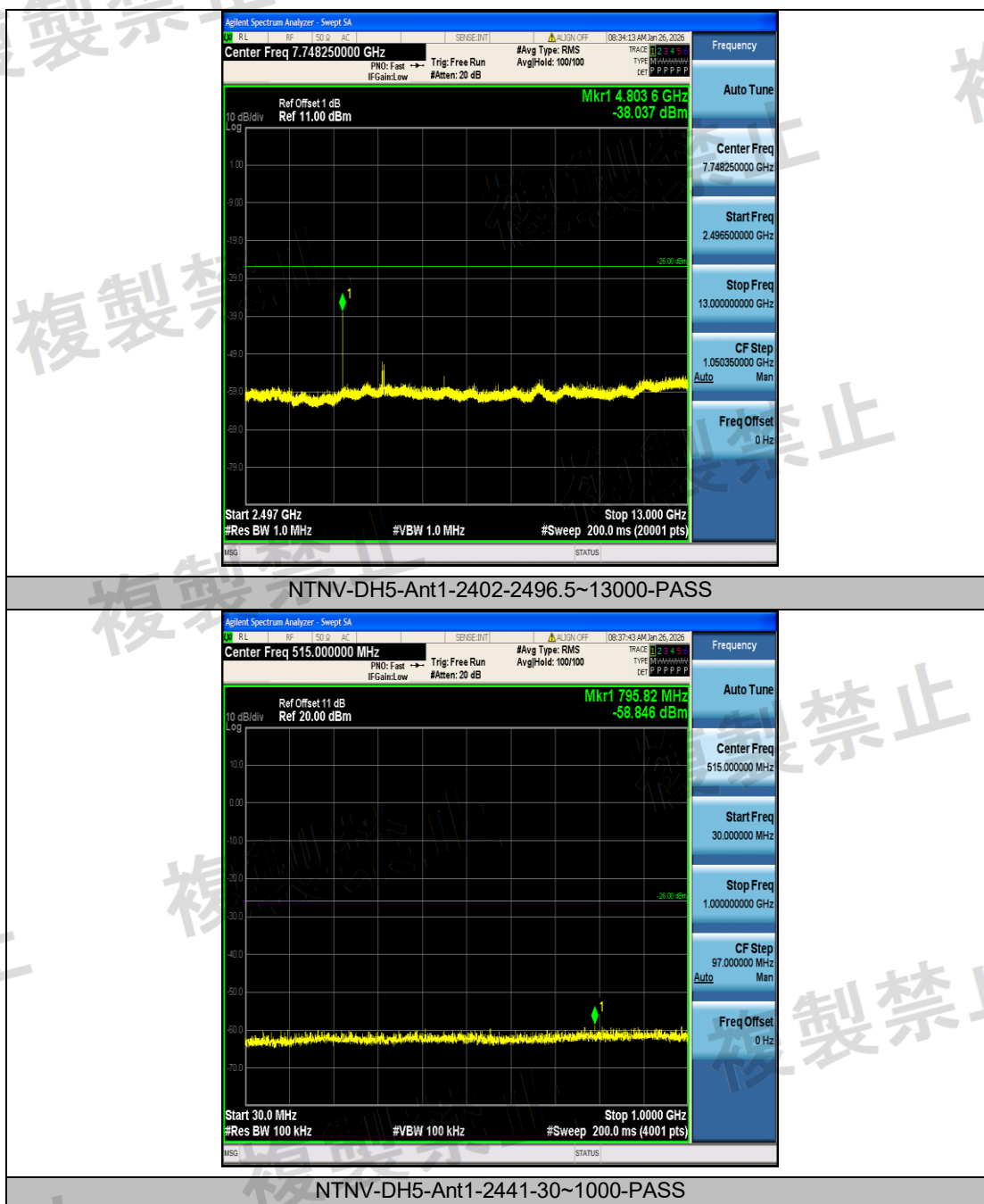
Test Result_Step2

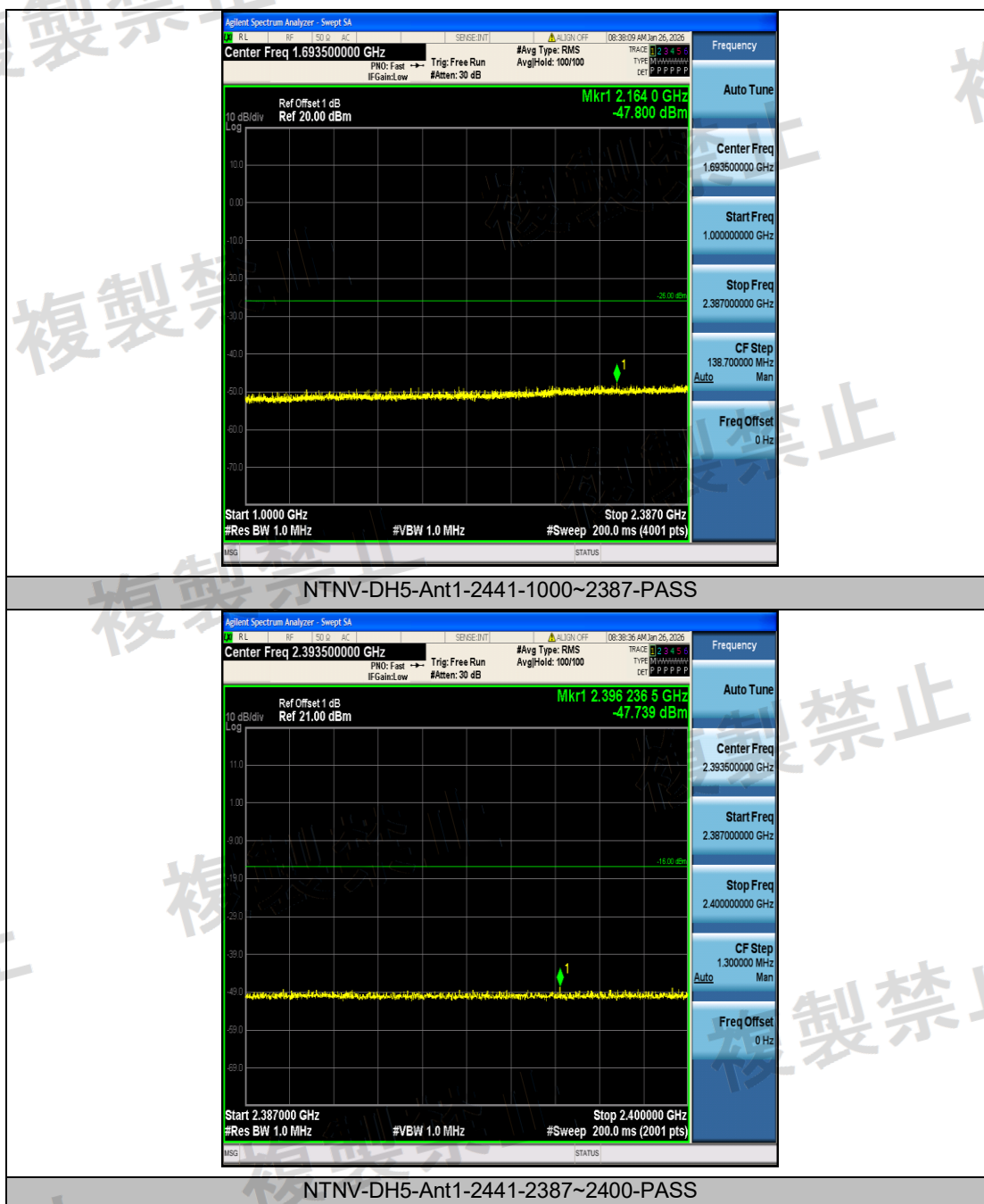
Test Condition	Test Mode	Antenna	Frequency[MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant1	2402	2399.97	-34.02	≤-16	0.39628	≤25	PASS

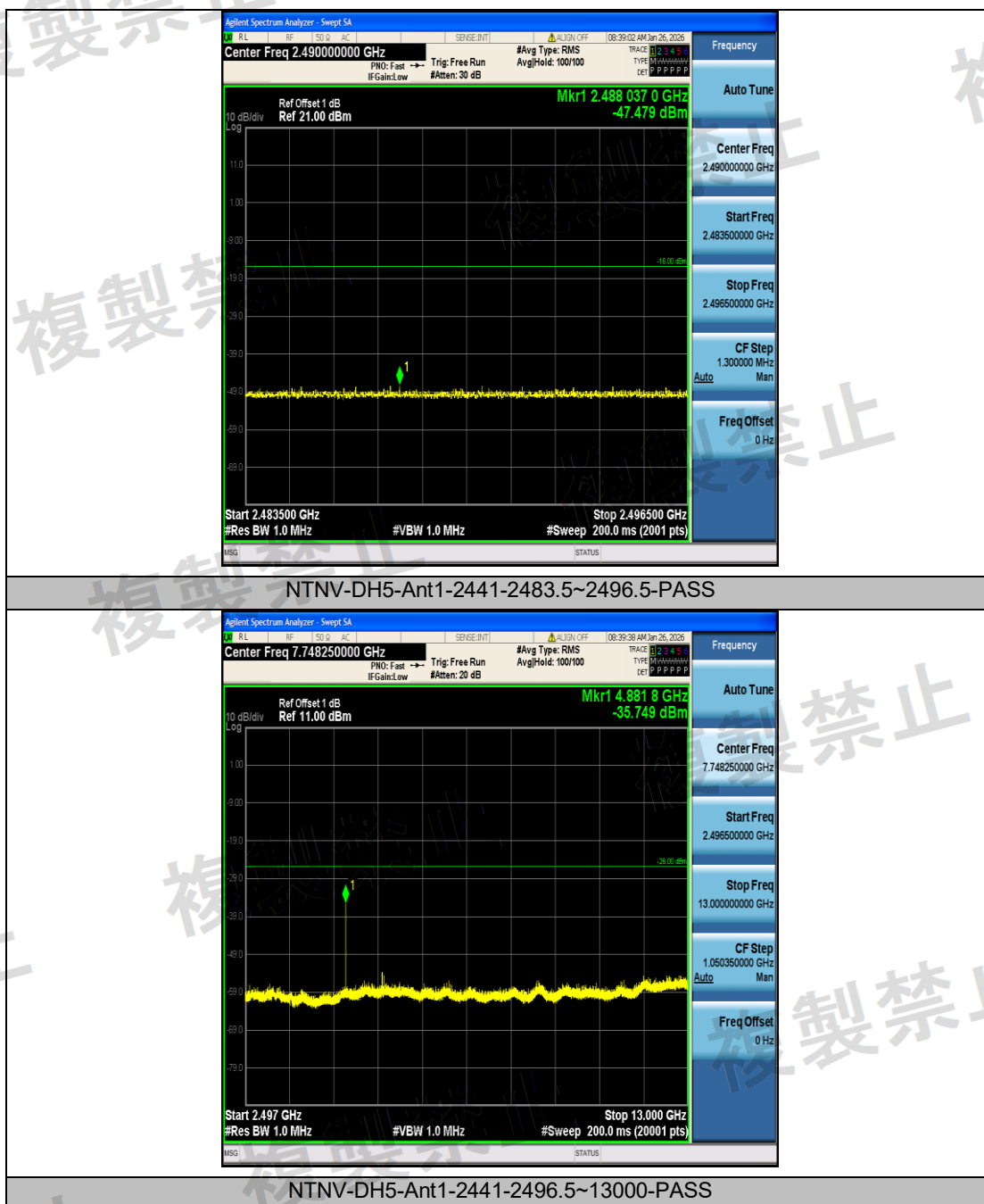
Test Graphs

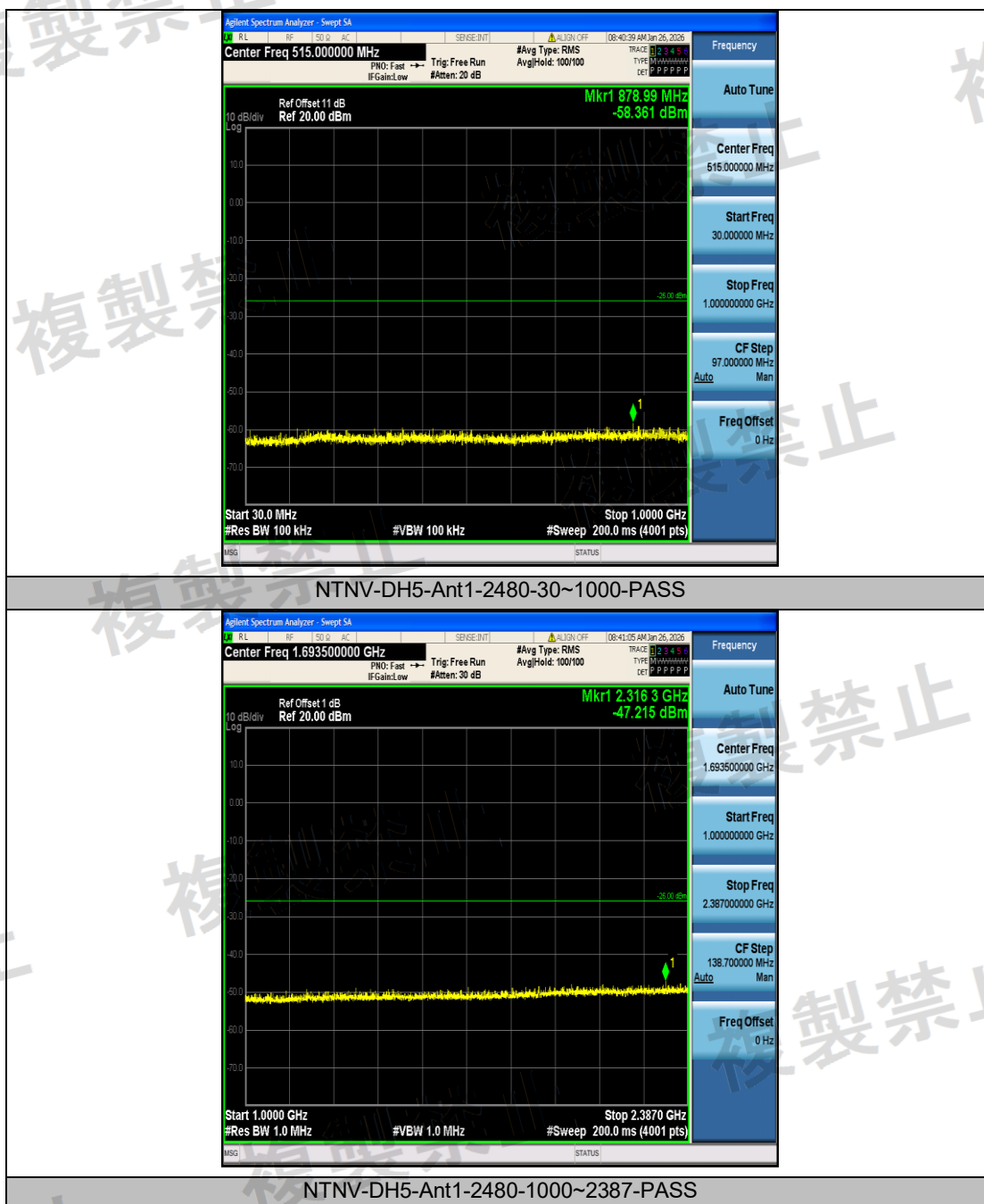


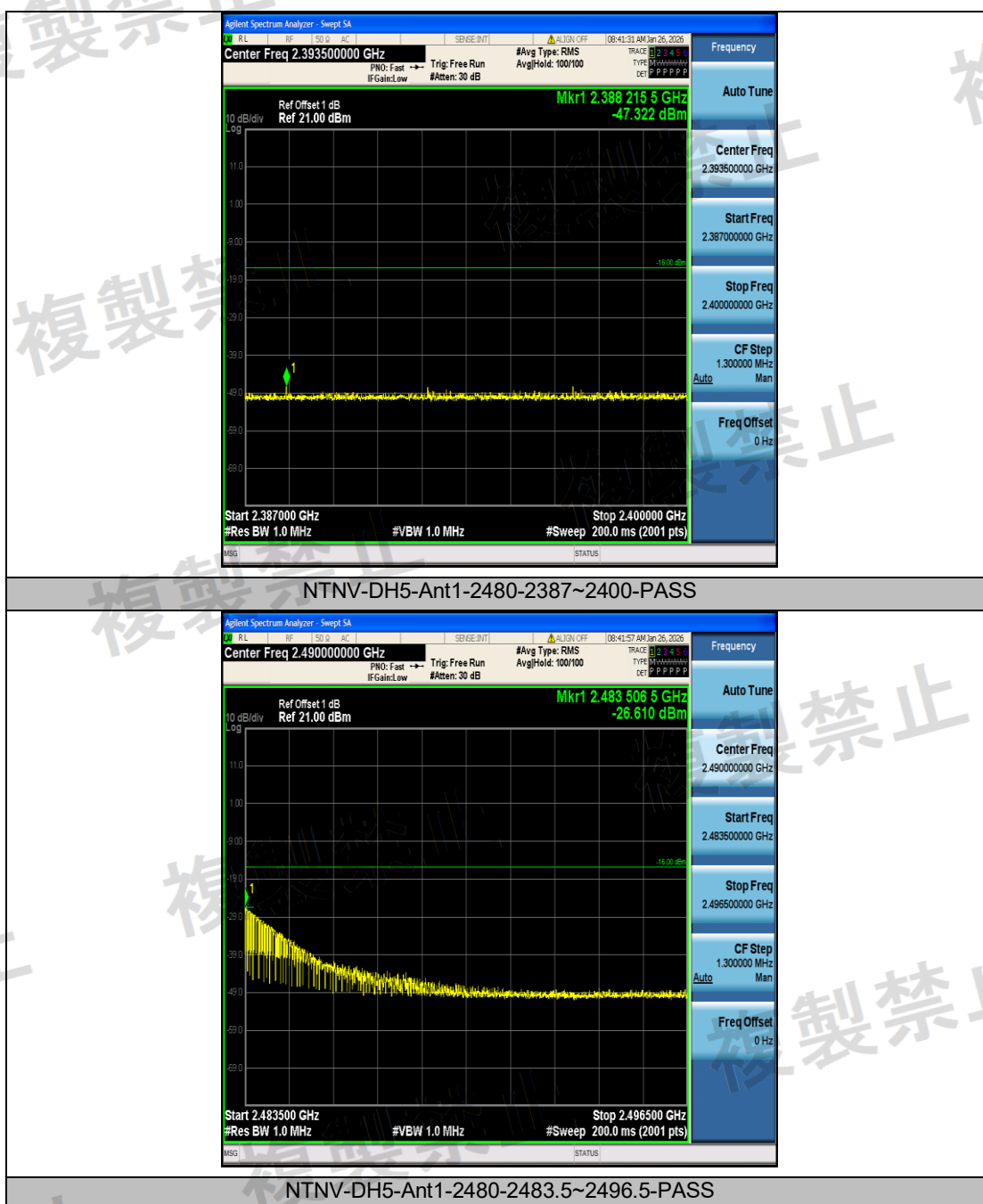


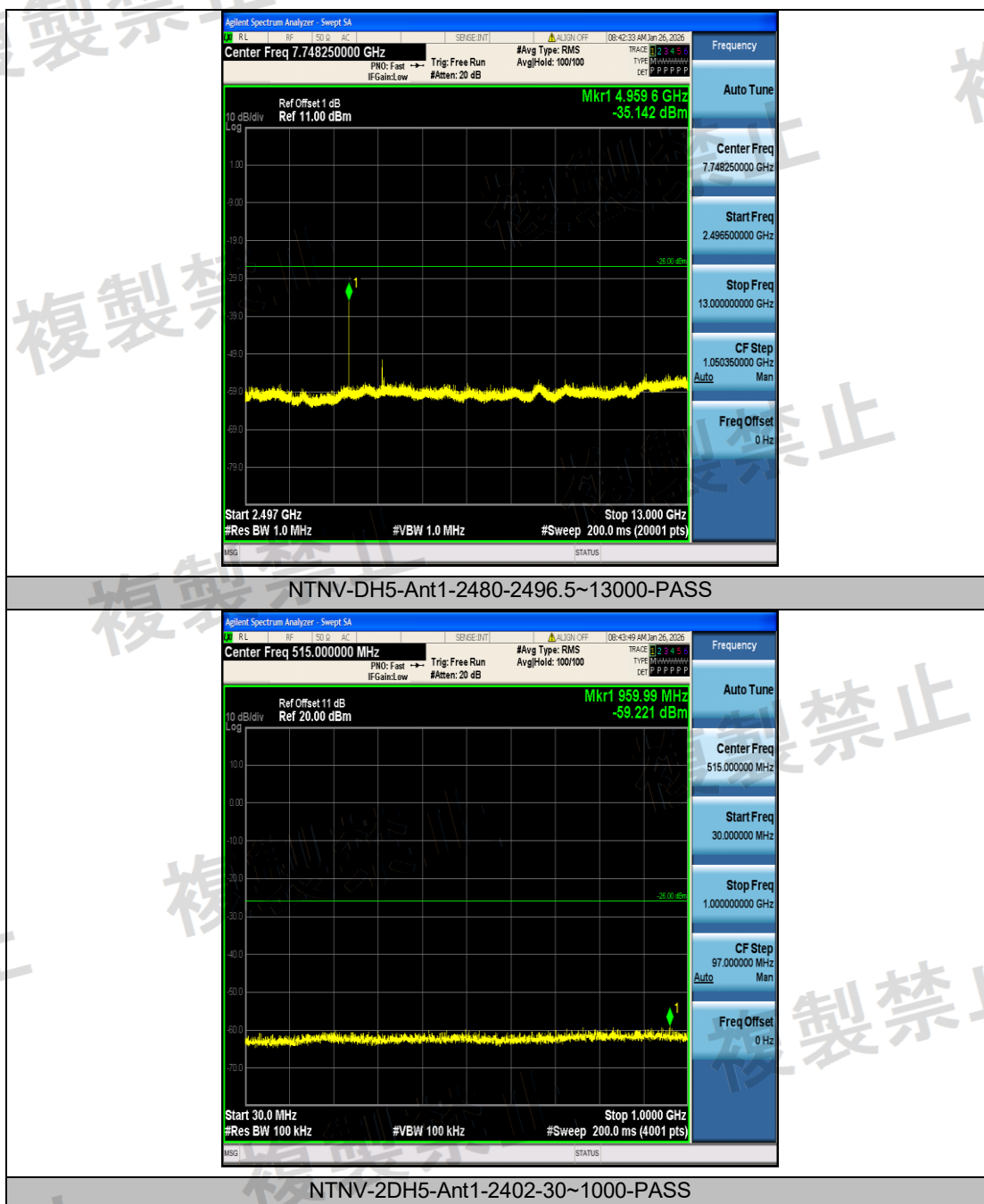


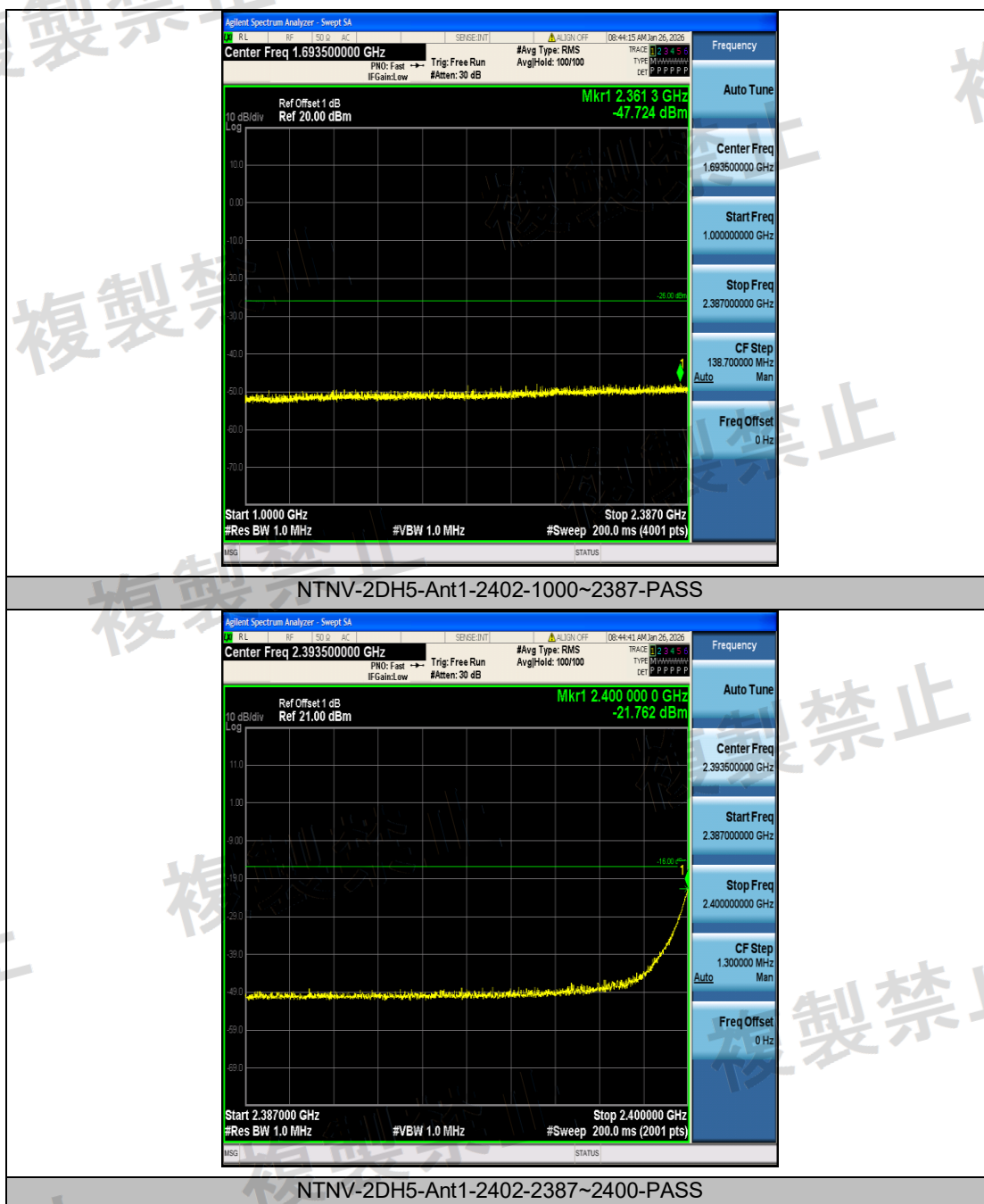


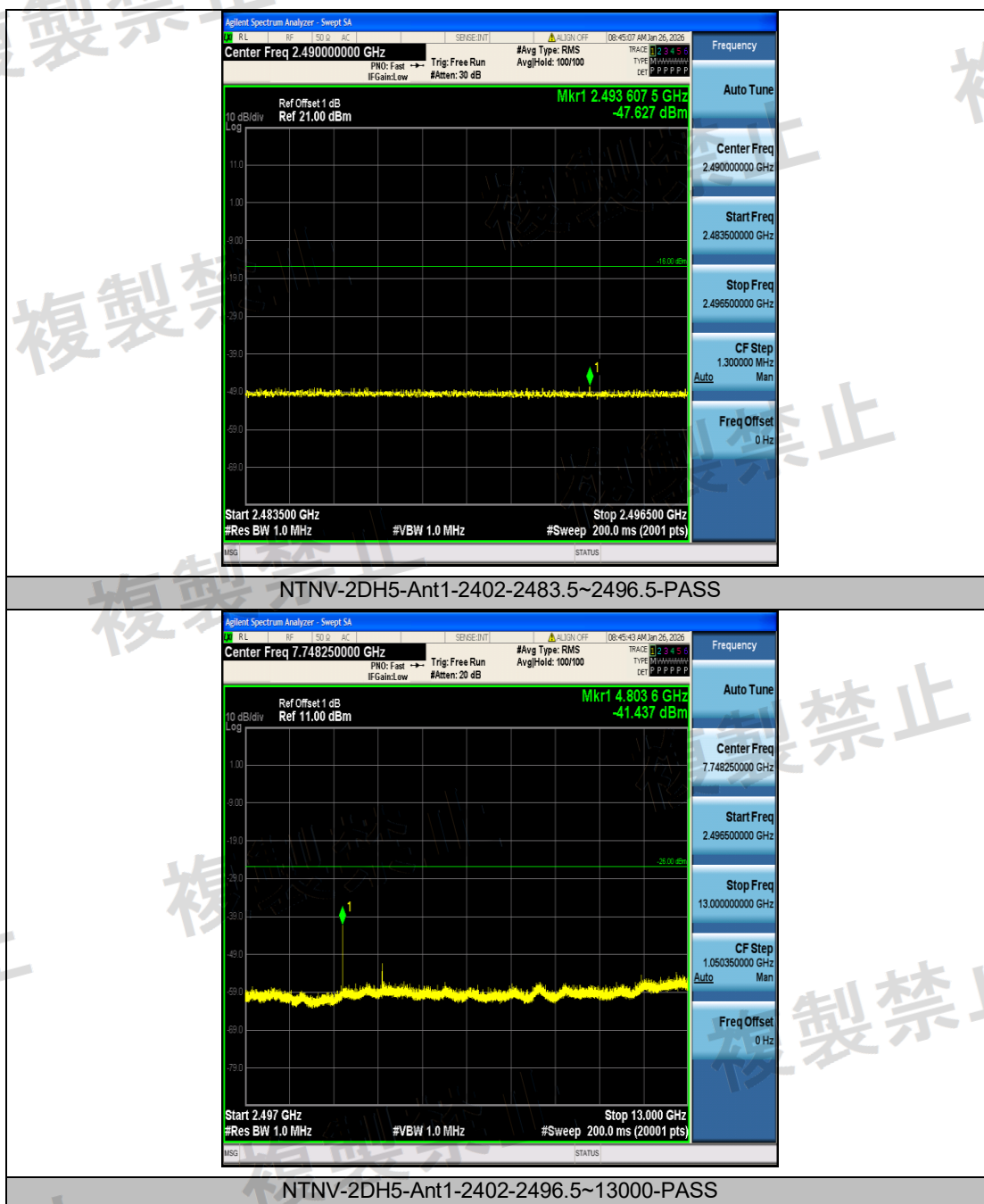


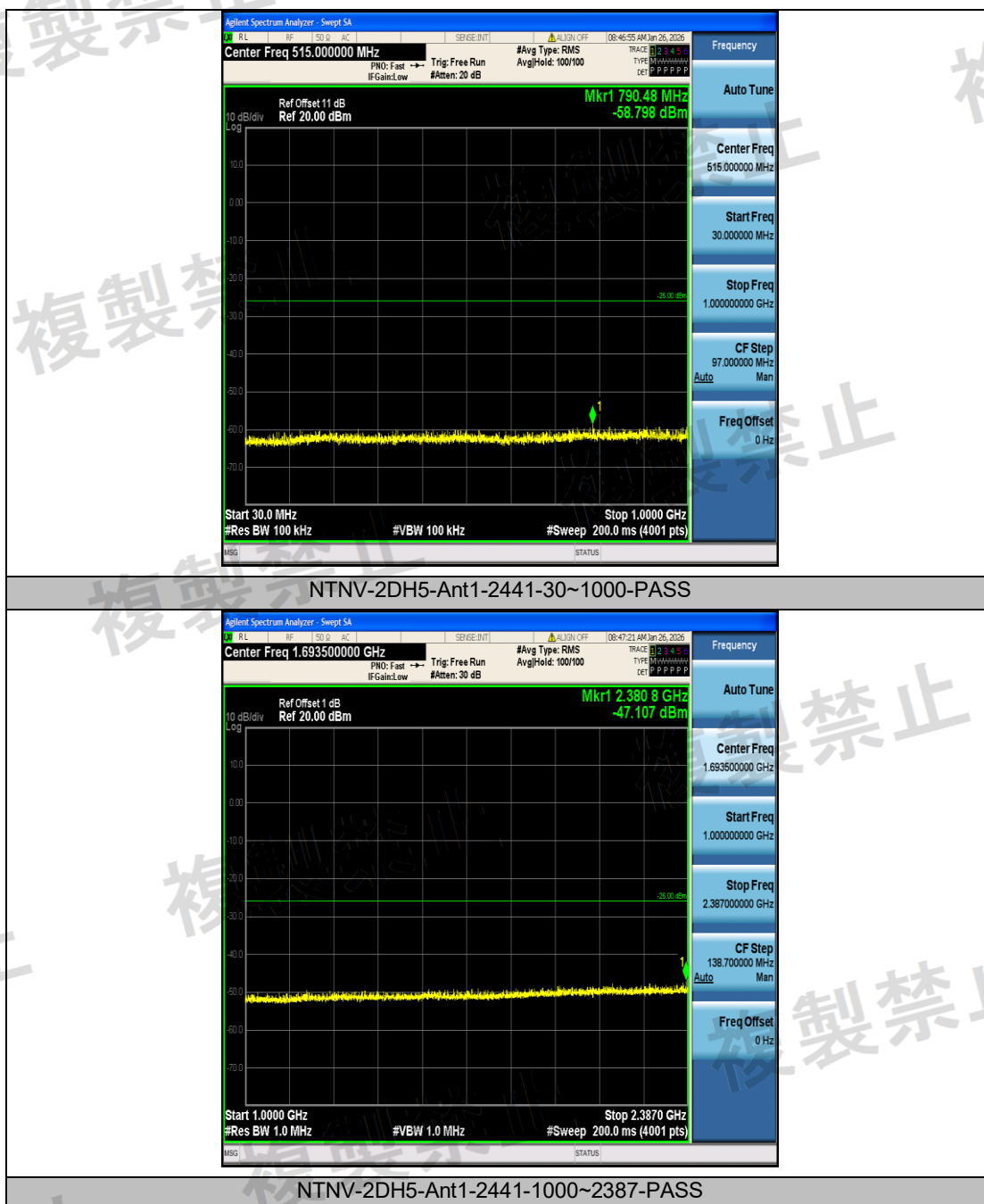


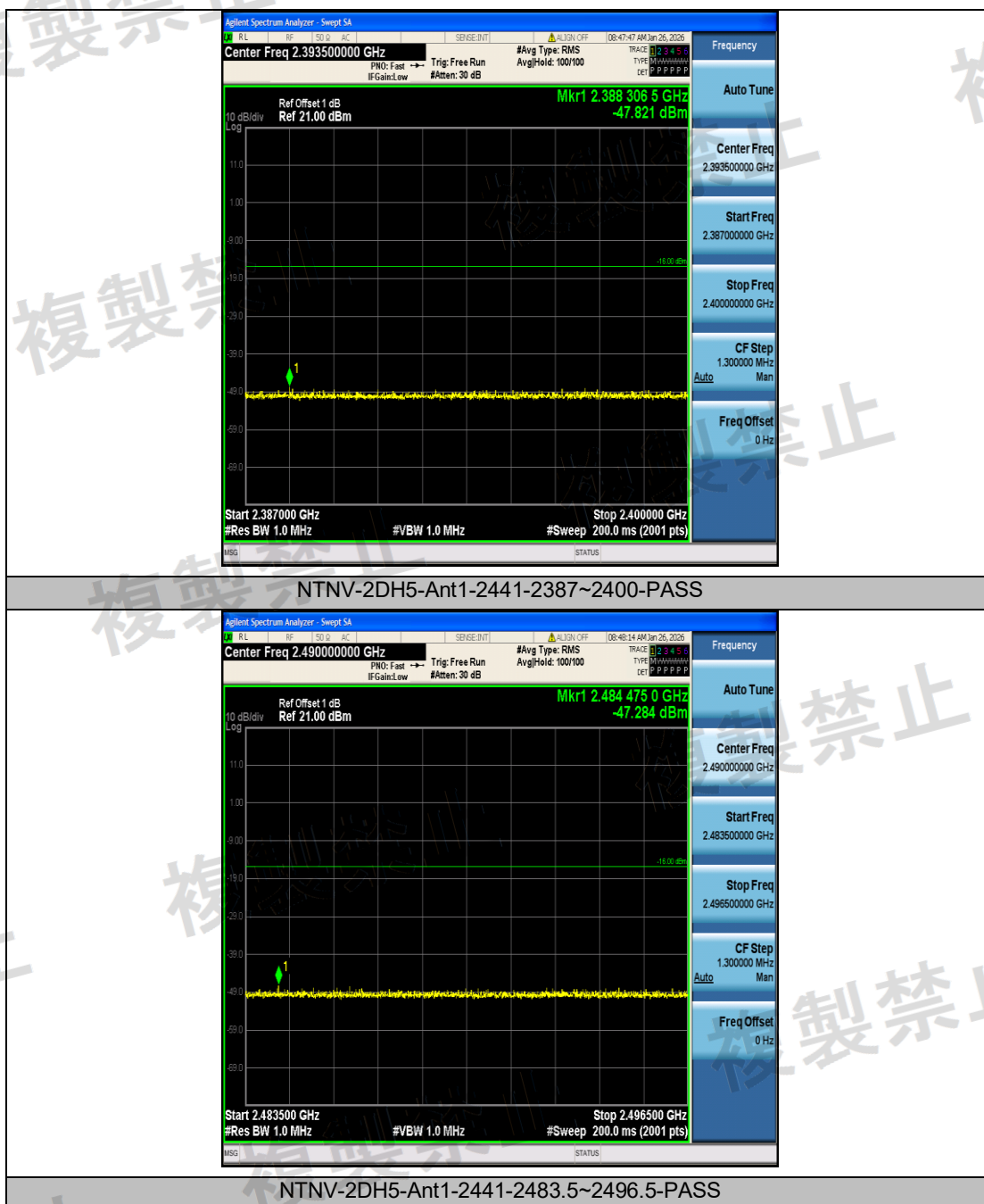


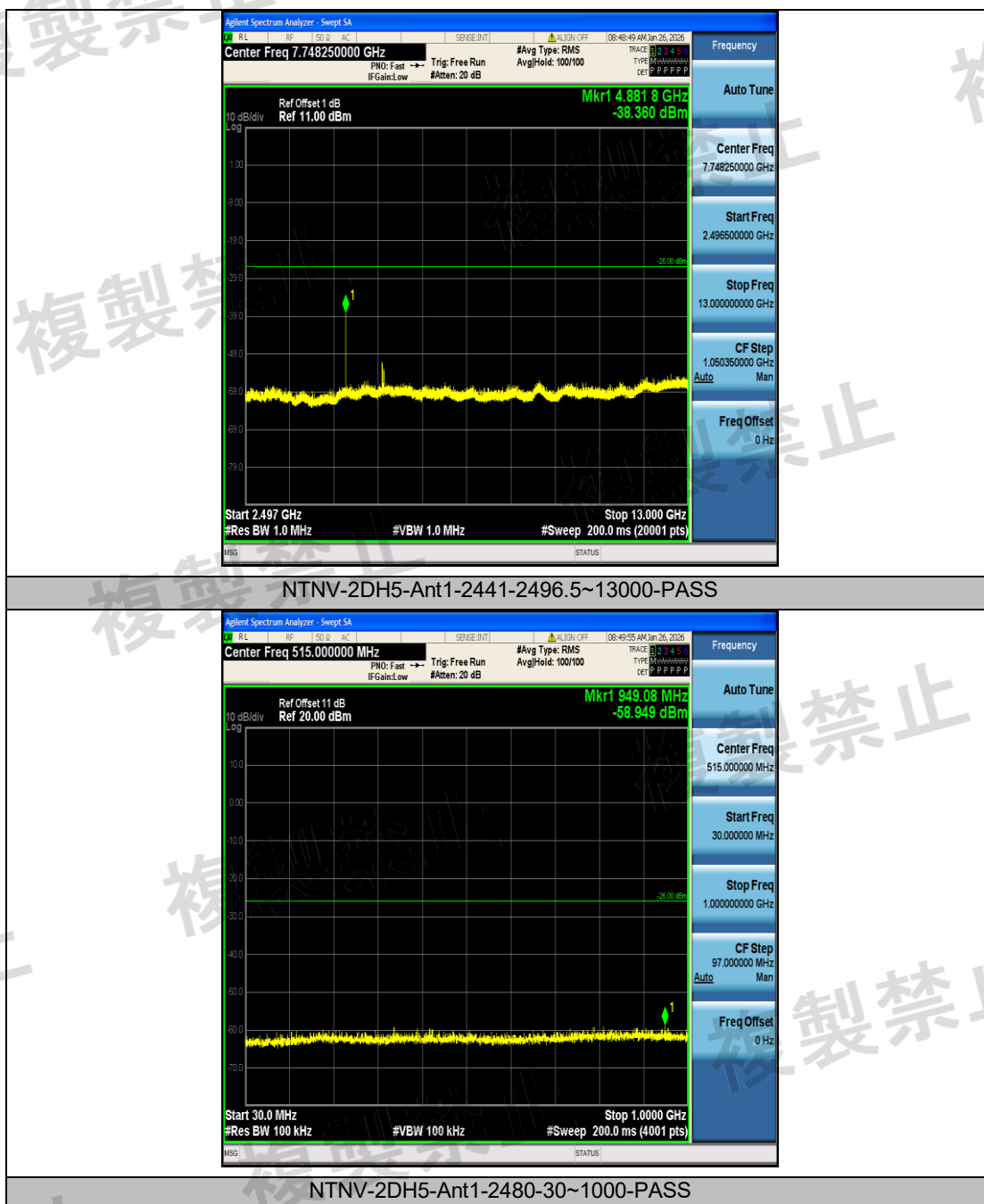


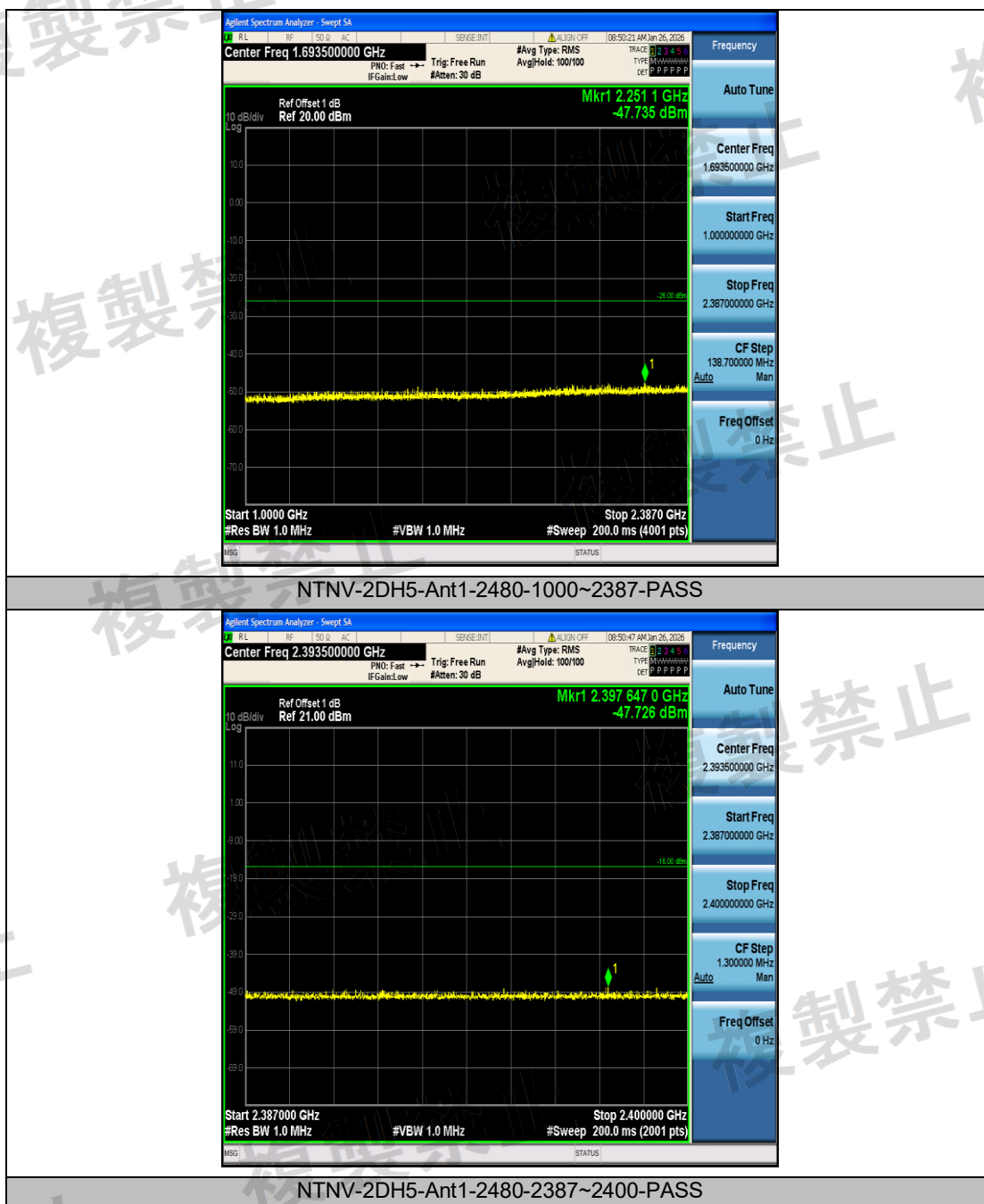


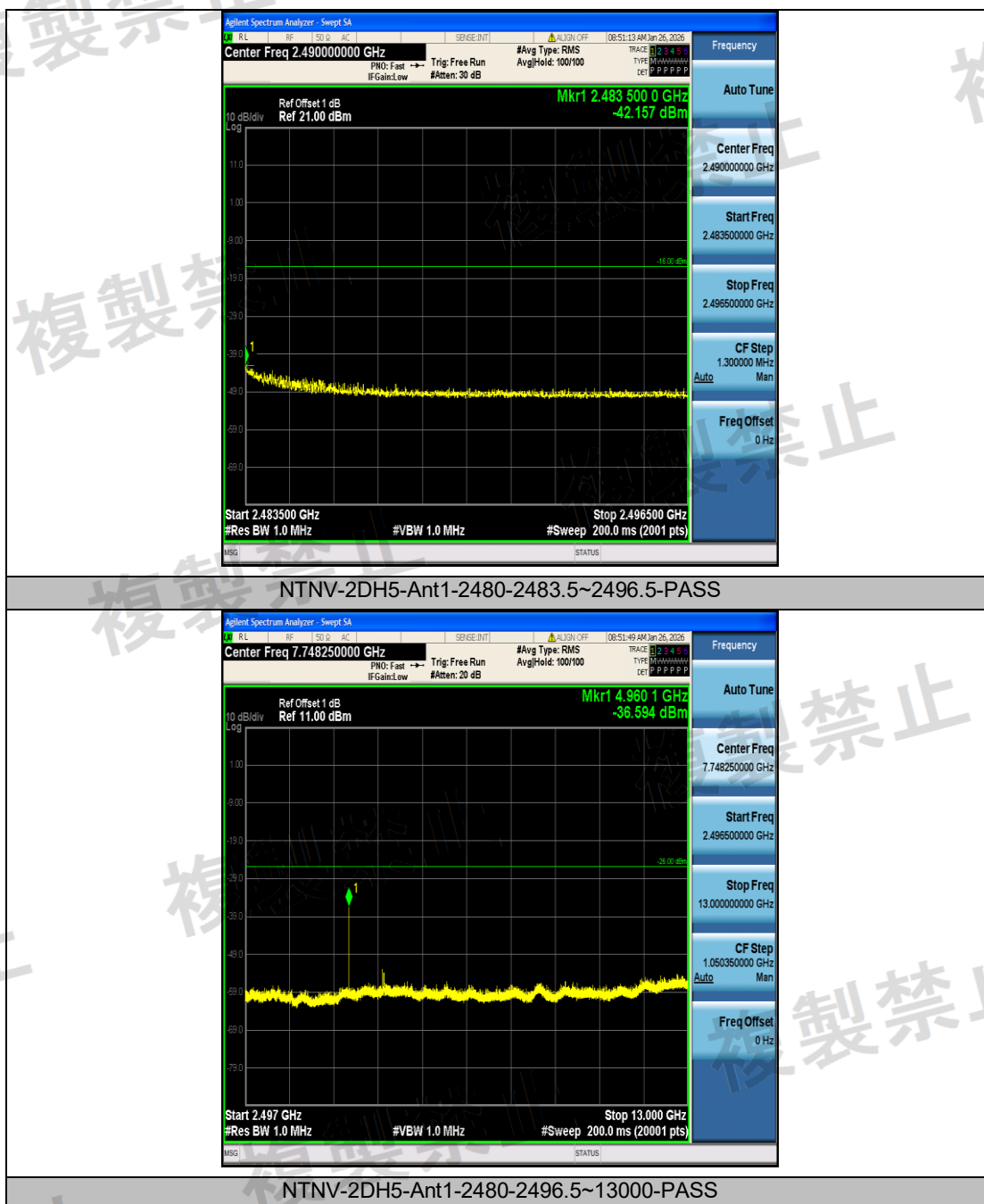


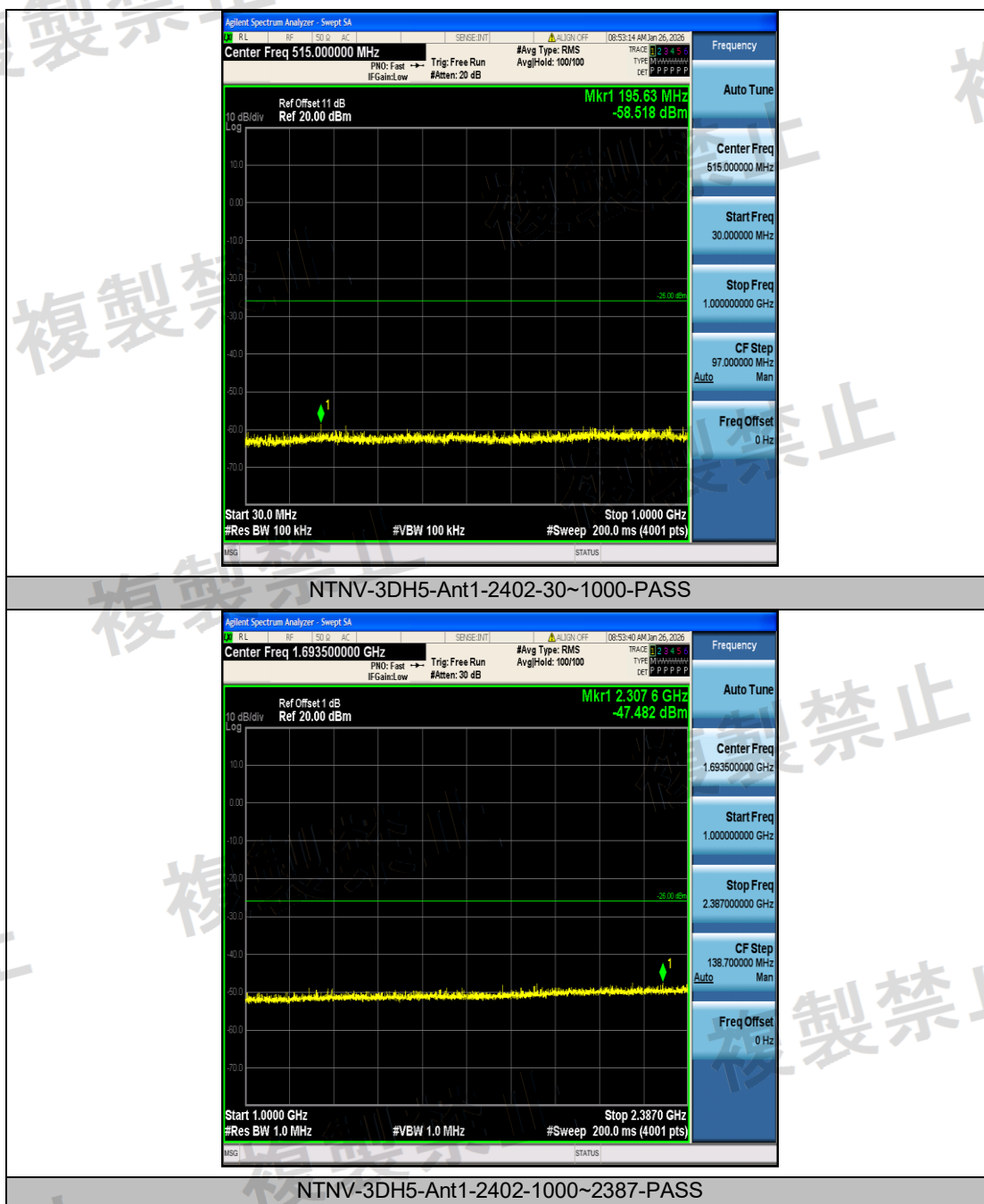


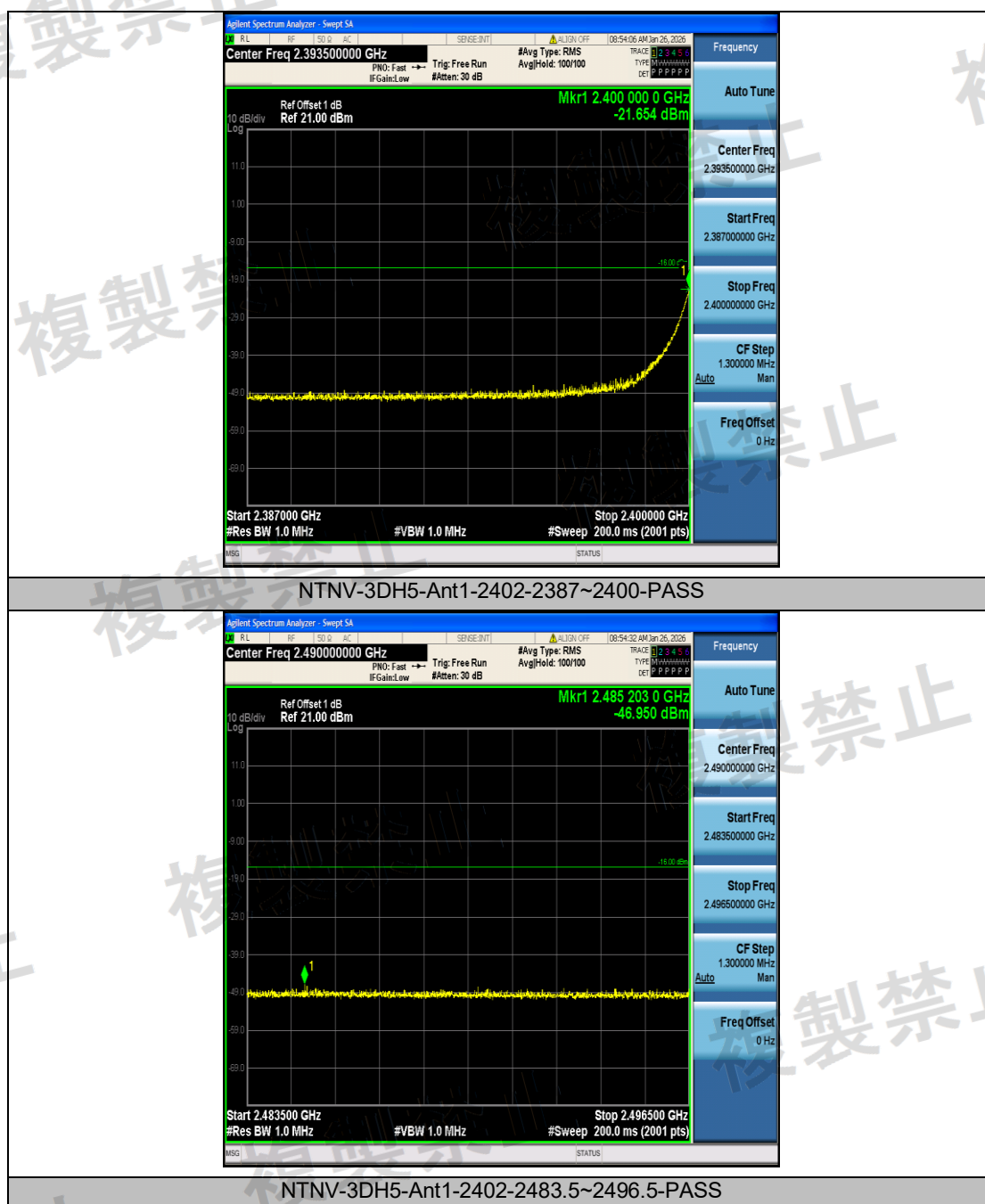


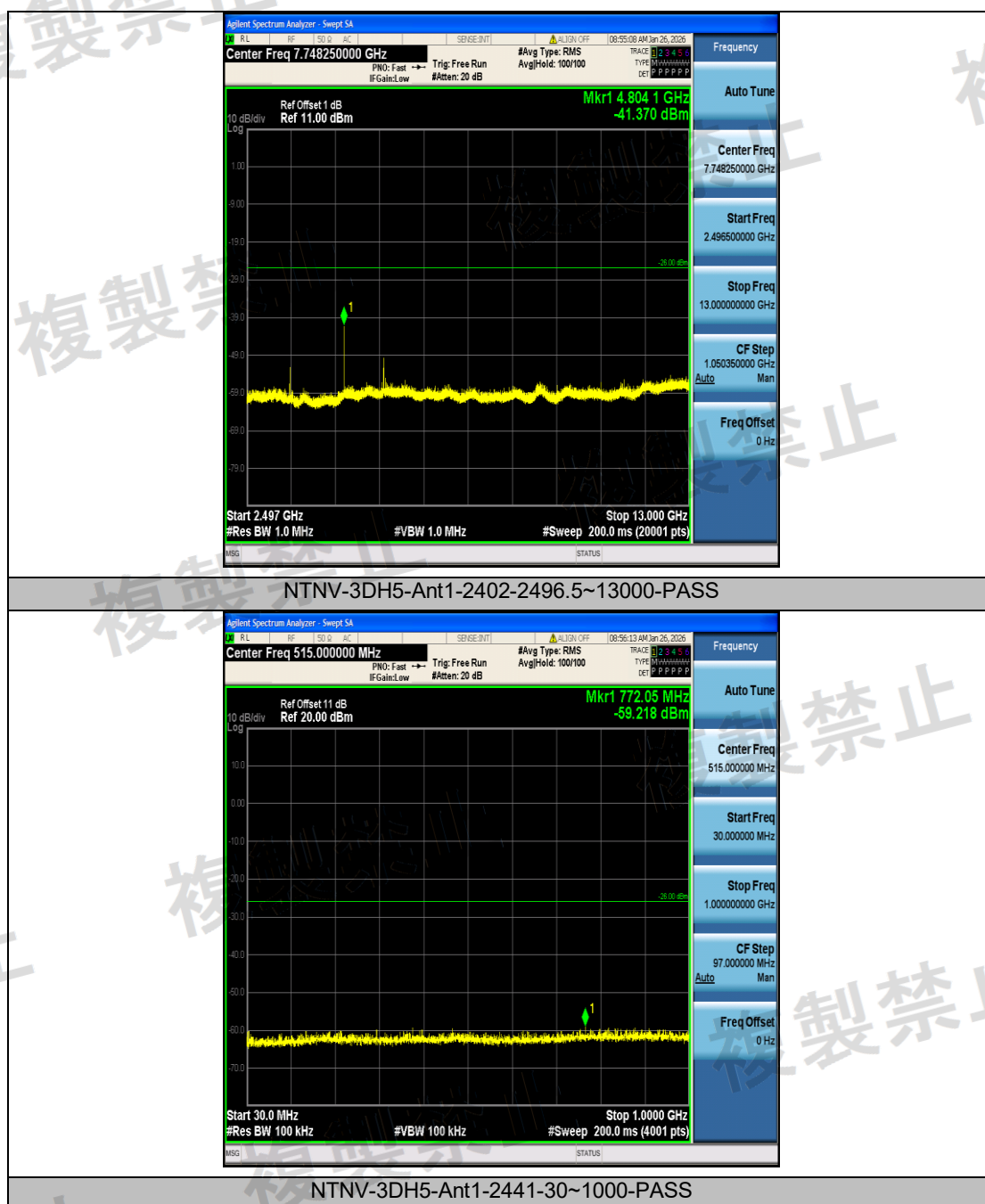


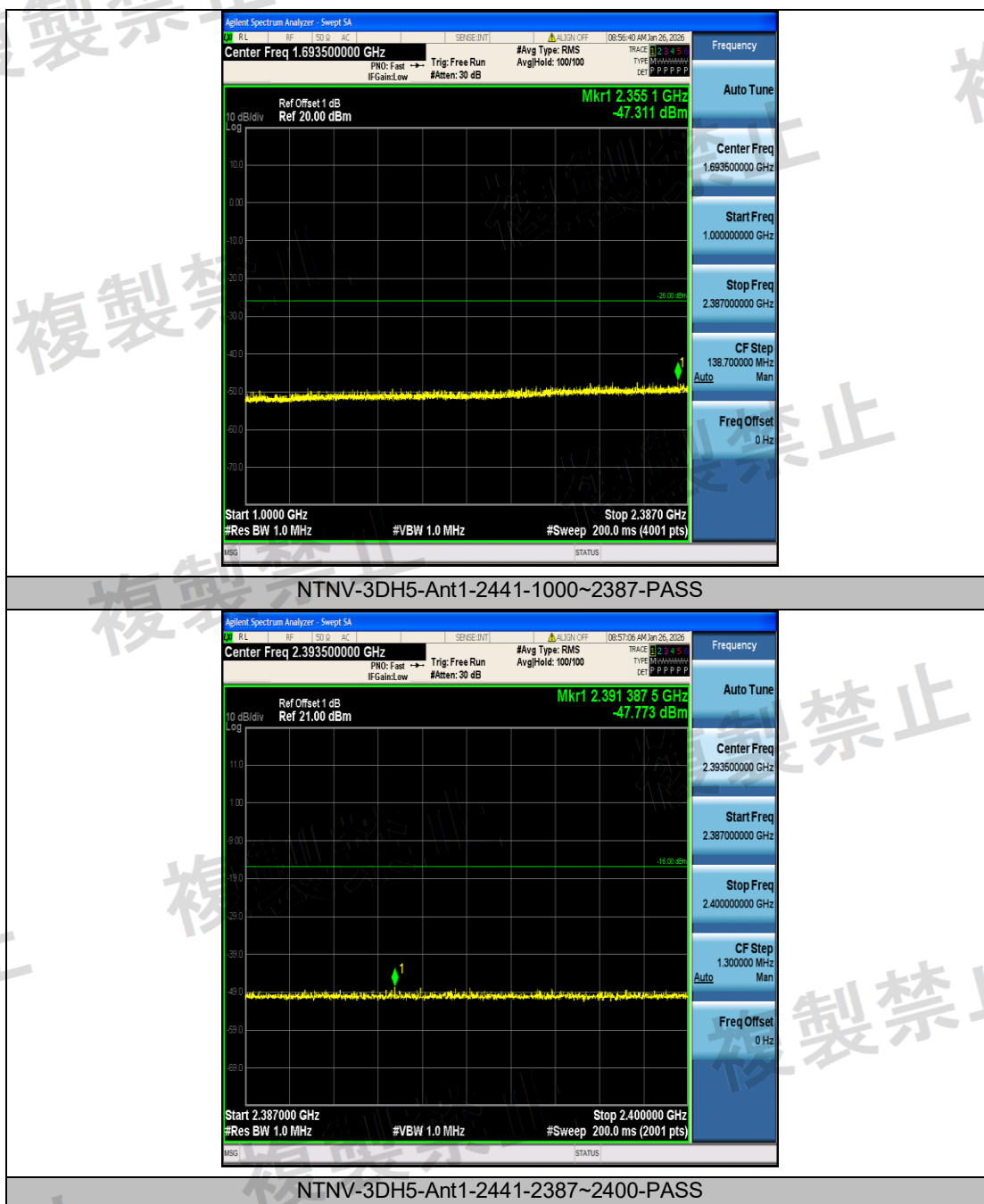


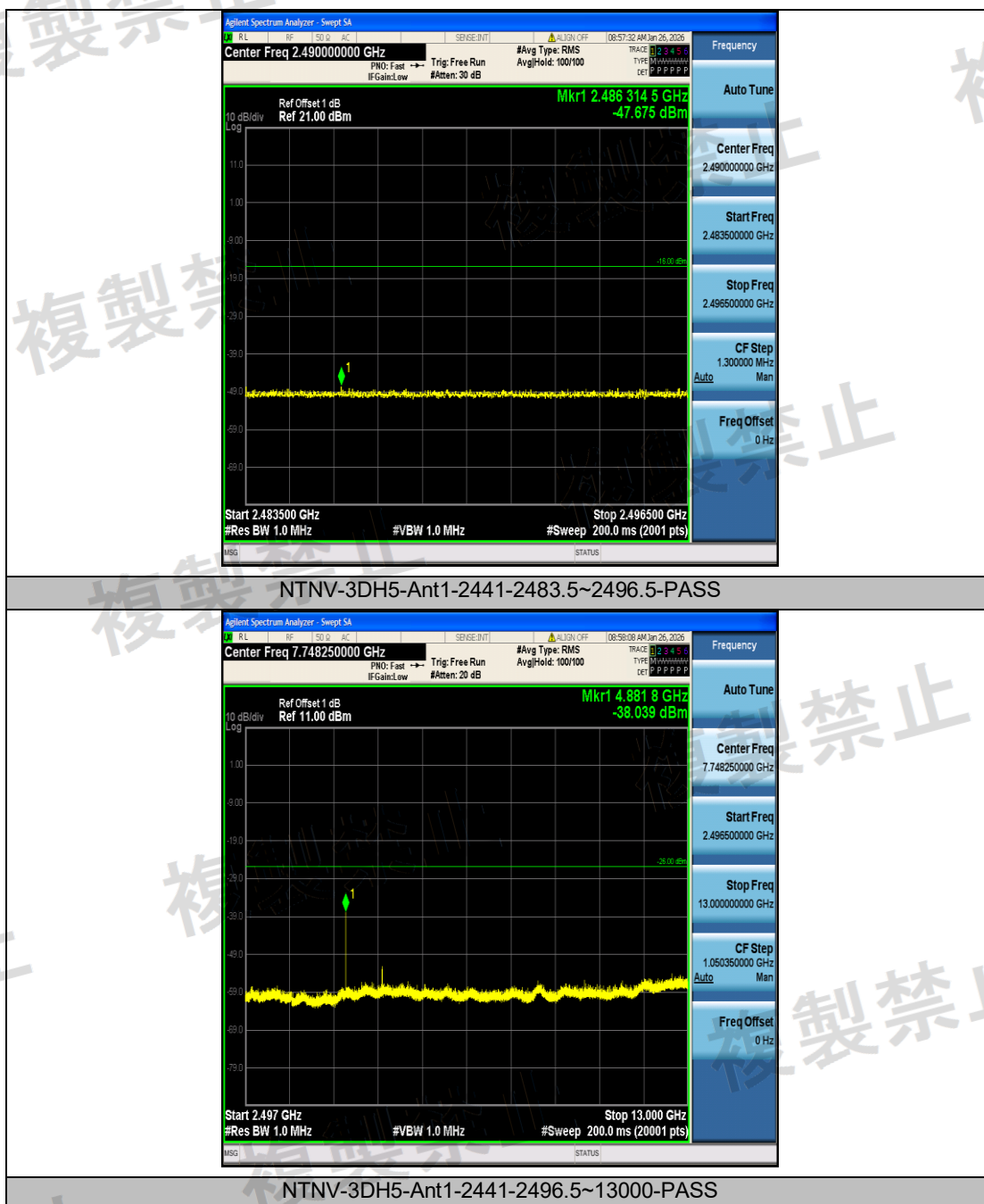


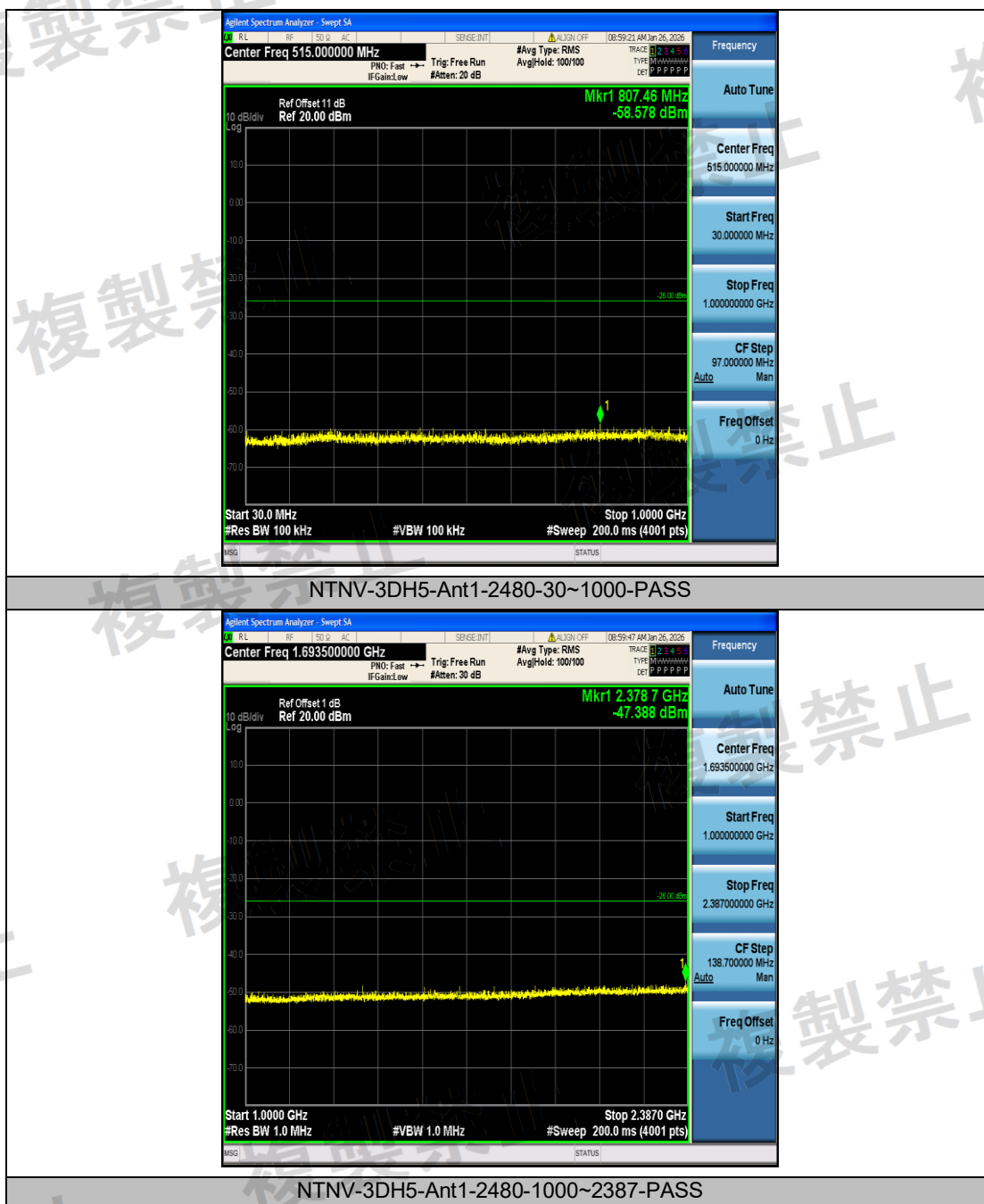


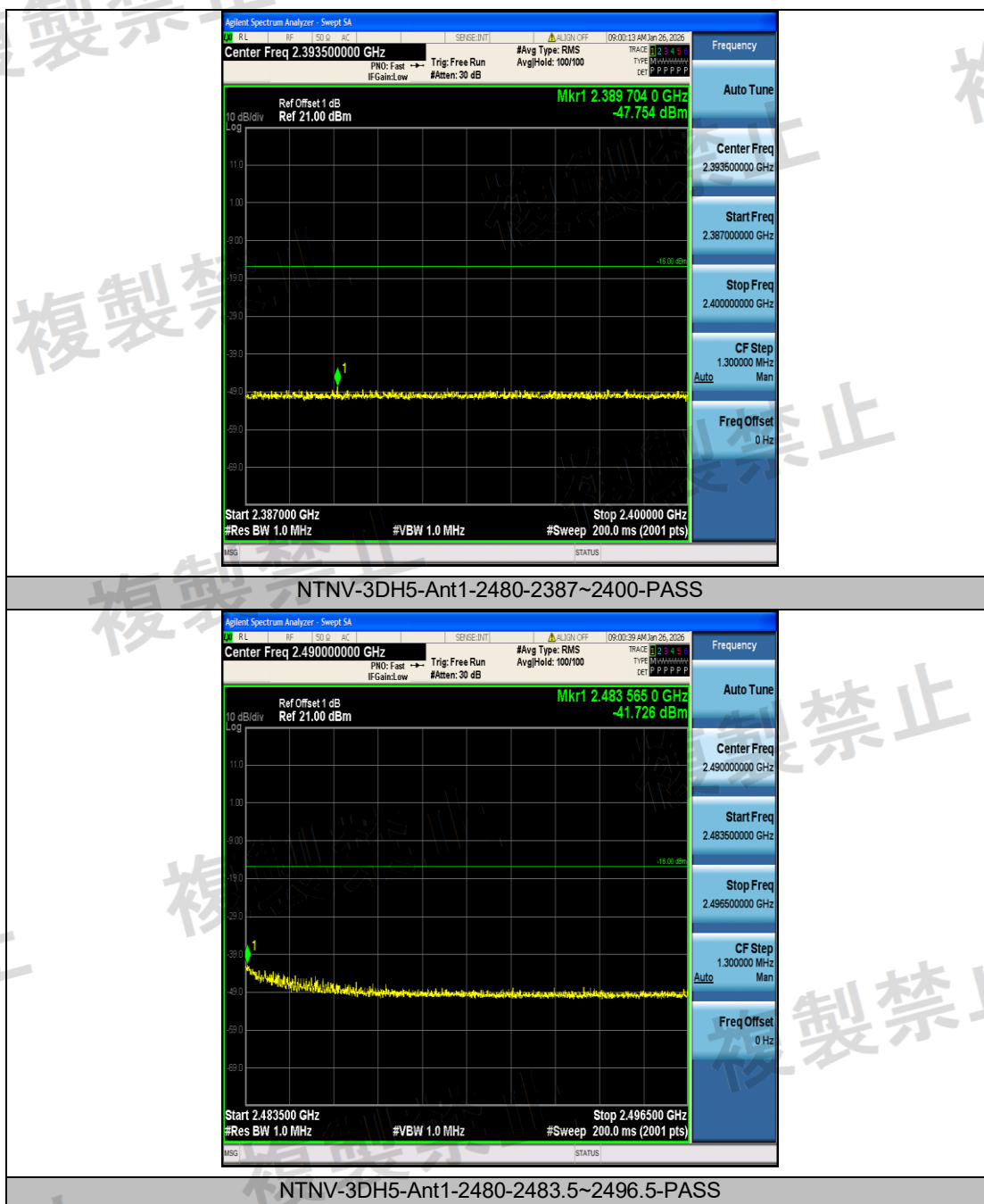


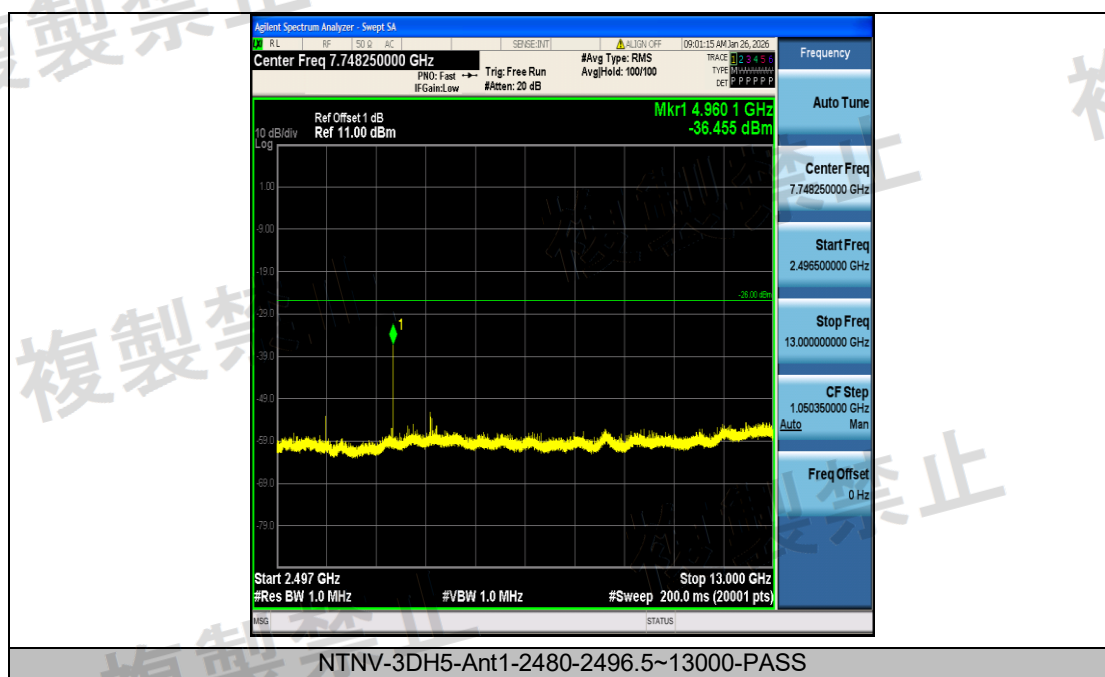




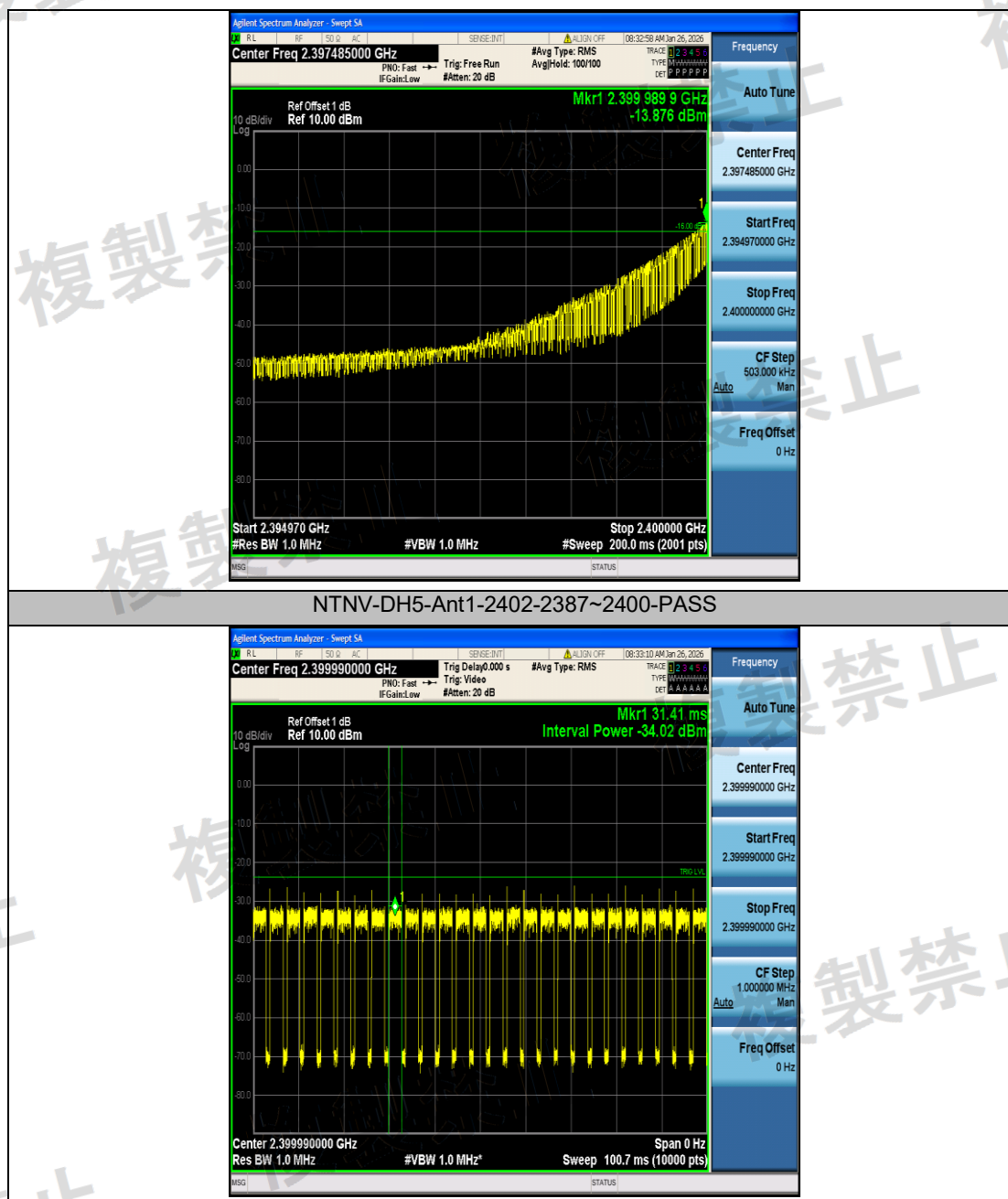








Test Graphs_Step2

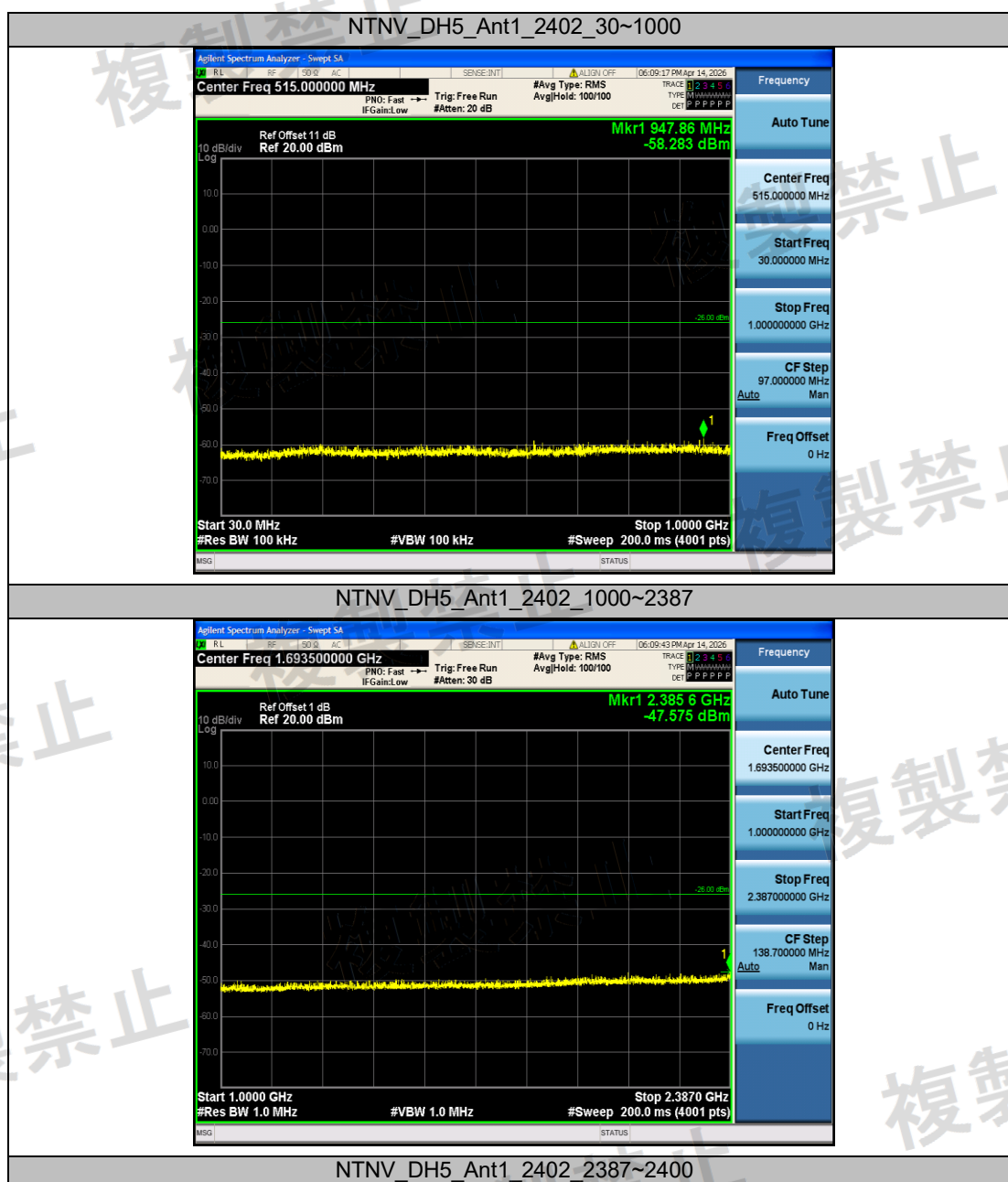


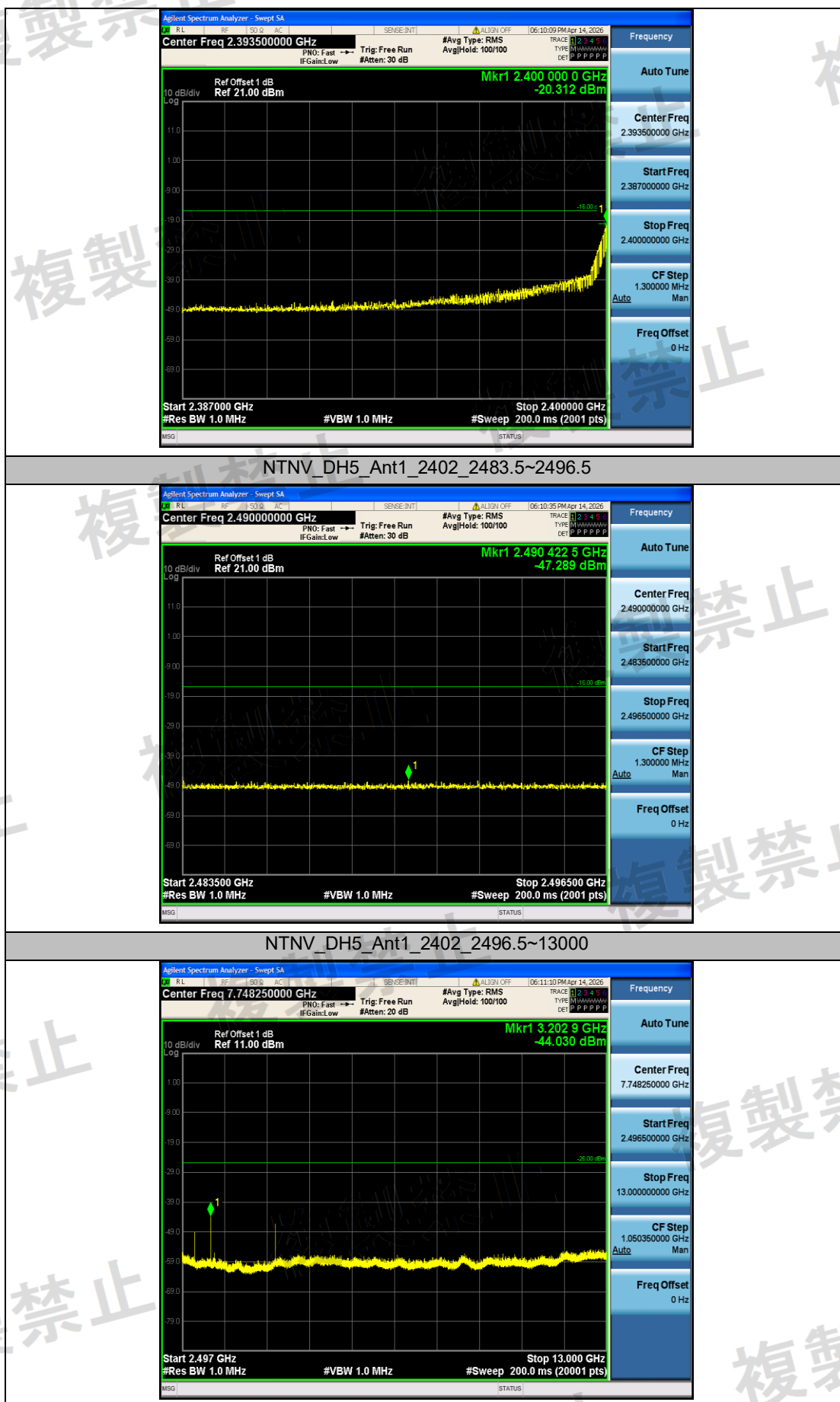
Worse case spot check data:

Test Result

Test Condition	Test Mode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz z]	Limit [dBm/MHz]	Result [μW/MHz z]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant1	2402	30~1000	947.86	-58.28	≤-26	0.00149	≤2.5	PASS
				1000~2387	2385.61	-47.58	≤-26	0.01746	≤2.5	PASS
				2387~2400	2400.00	-20.31	≤-16	9.31108	≤25	PASS
				2483.5~2496.5	2490.42	-47.29	≤-16	0.01866	≤25	PASS
				2496.5~13000	3202.86	-44.03	≤-26	0.03954	≤2.5	PASS

Test Graphs



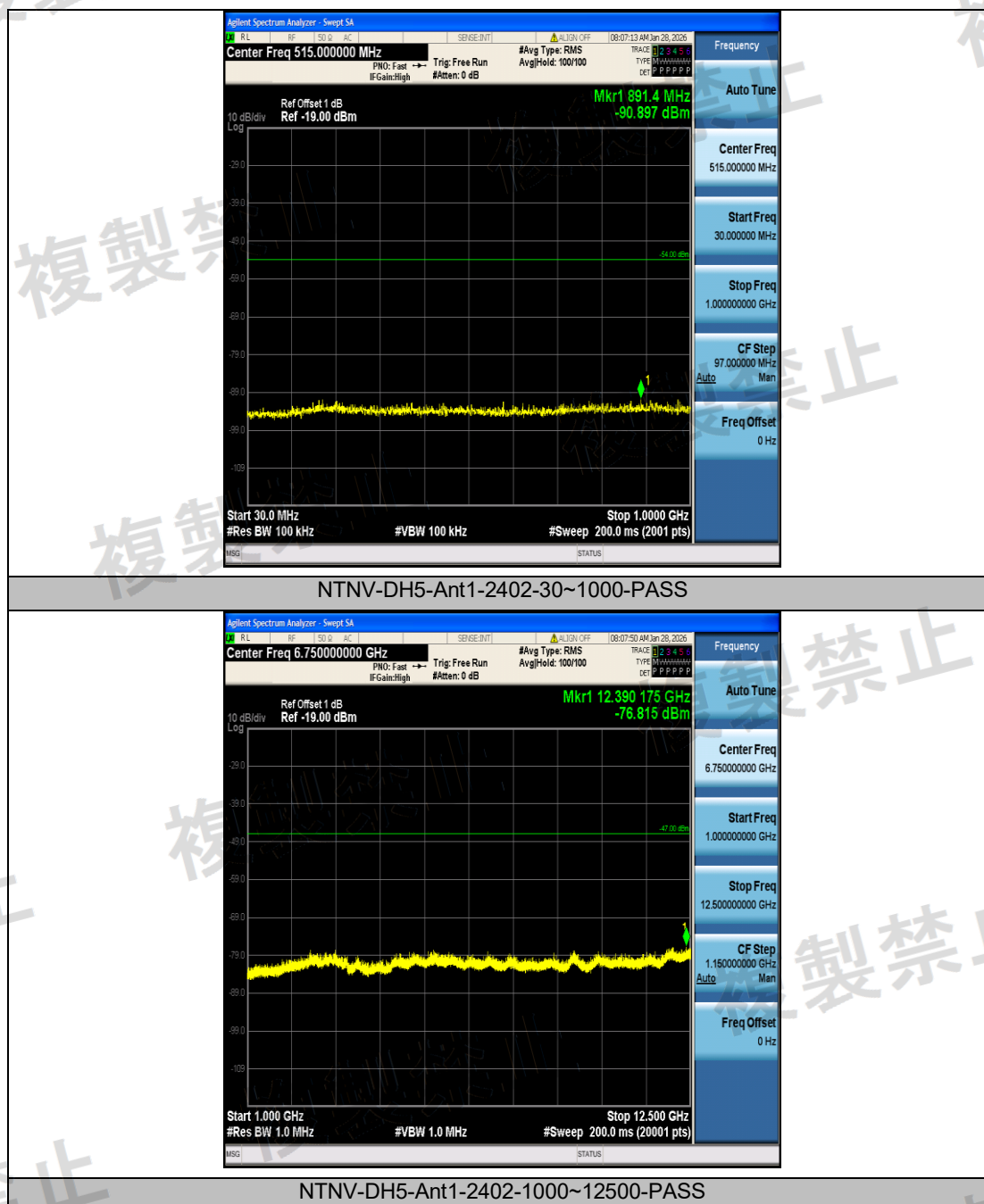


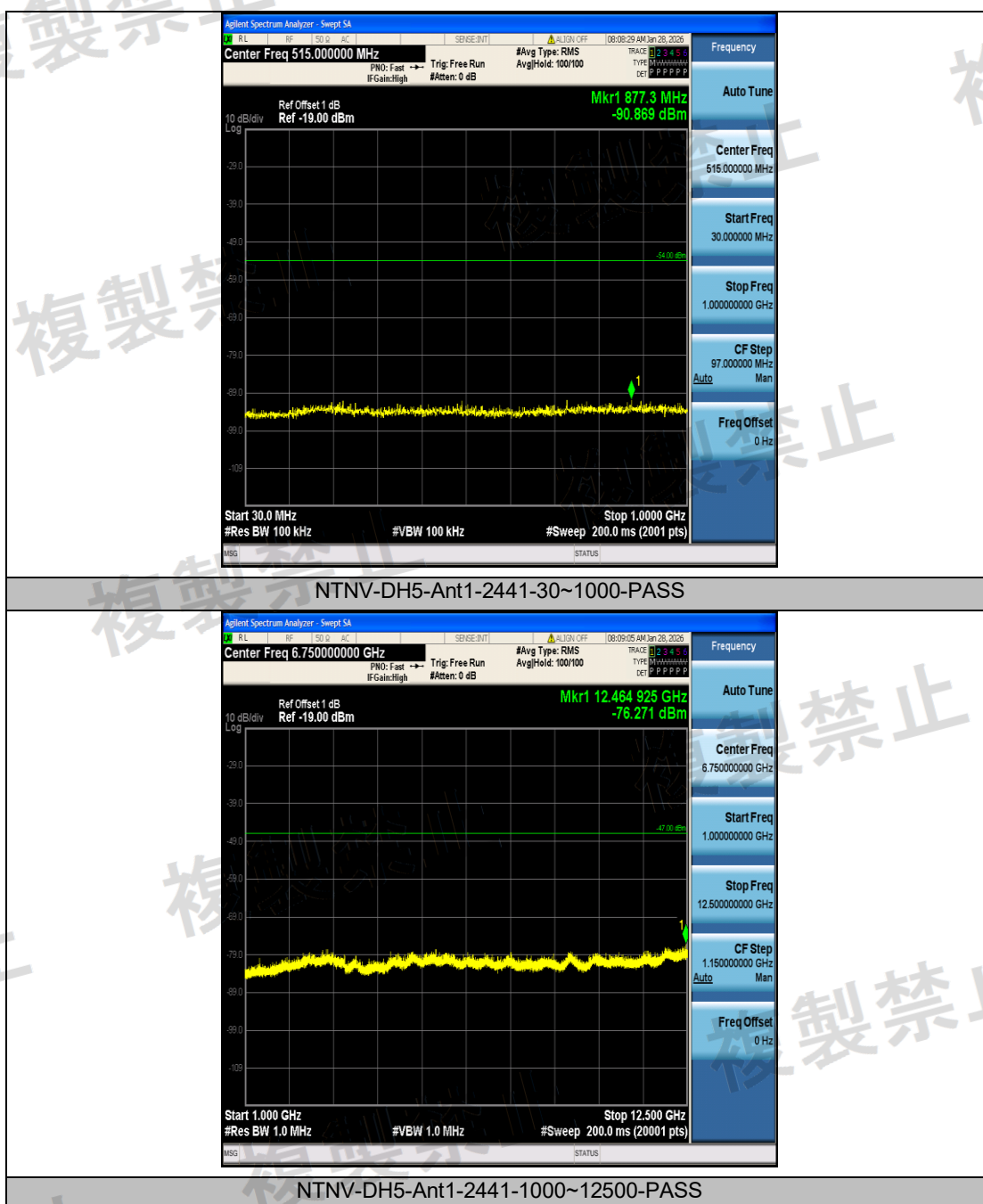
Spurious Emission of RX

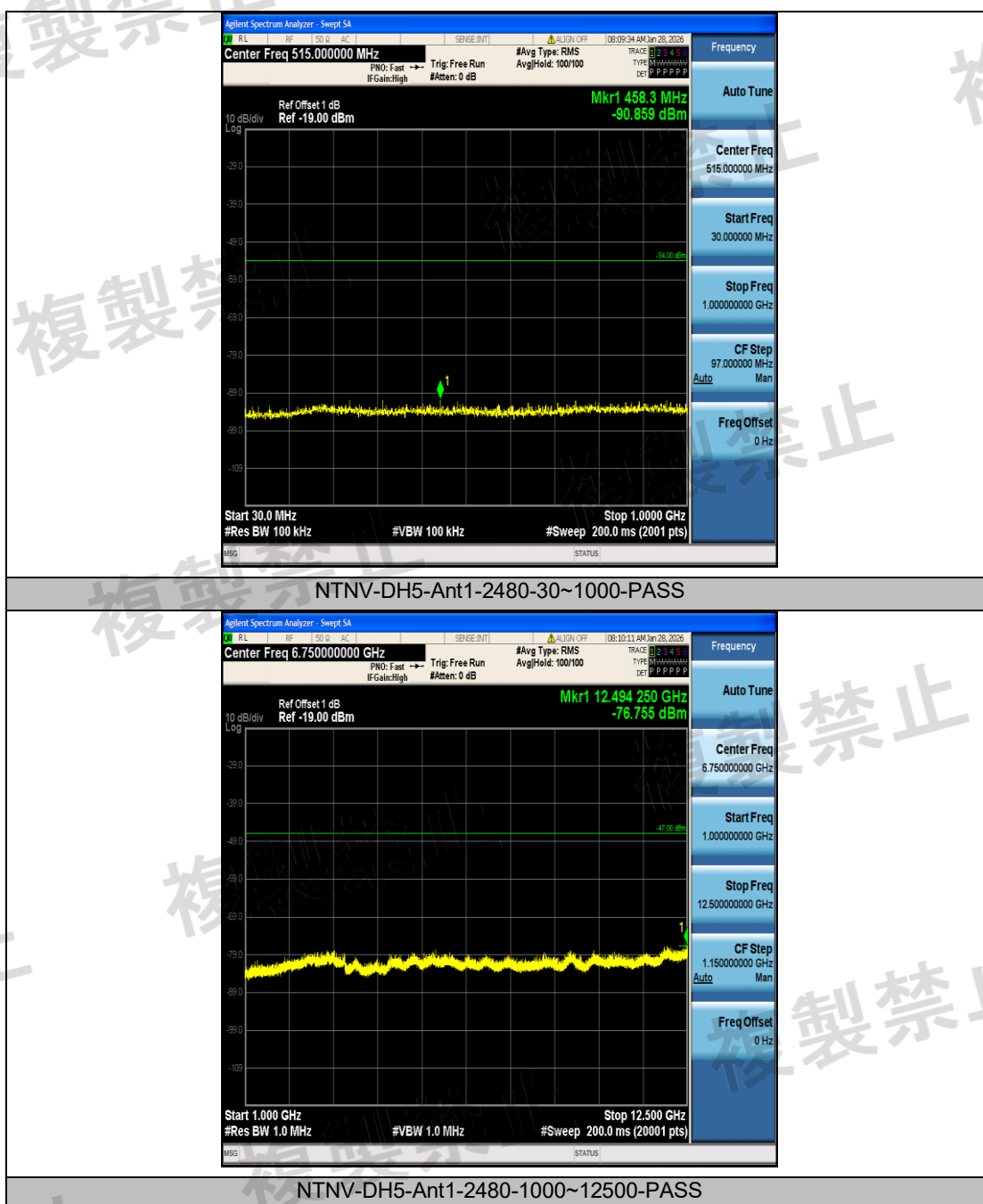
Test Result

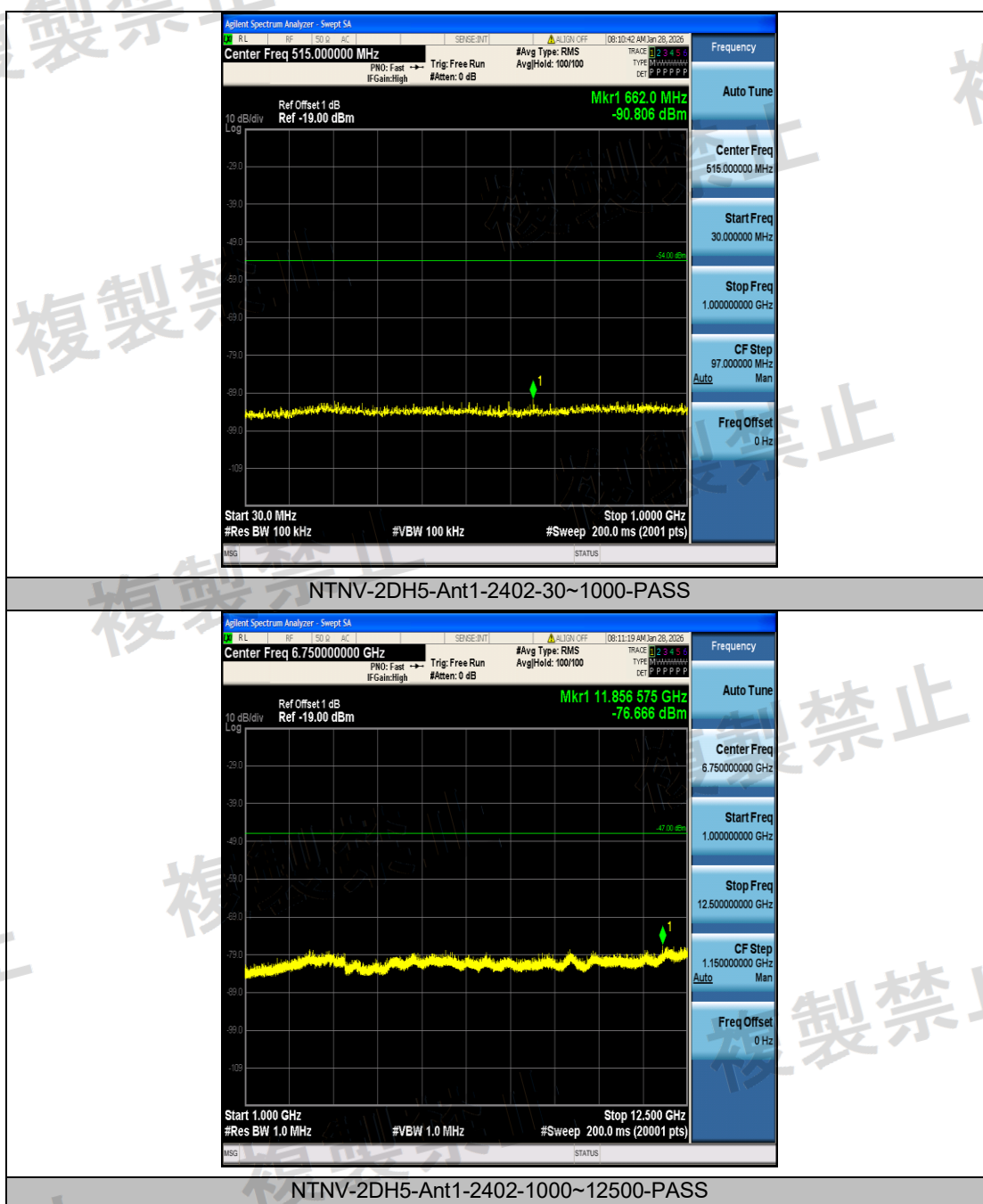
Test Condition	Test Mode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	891.36	-90.90	≤-54	0.00081	≤4	PASS
NTNV	DH5	Ant1	2402	1000~12500	12390.18	-76.82	≤-47	0.02080	≤20	PASS
NTNV	DH5	Ant1	2441	30~1000	877.30	-90.87	≤-54	0.00082	≤4	PASS
NTNV	DH5	Ant1	2441	1000~12500	12464.93	-76.27	≤-47	0.02360	≤20	PASS
NTNV	DH5	Ant1	2480	30~1000	458.26	-90.86	≤-54	0.00082	≤4	PASS
NTNV	DH5	Ant1	2480	1000~12500	12494.25	-76.76	≤-47	0.02109	≤20	PASS
NTNV	2DH5	Ant1	2402	30~1000	661.96	-90.81	≤-54	0.00083	≤4	PASS
NTNV	2DH5	Ant1	2402	1000~12500	11856.58	-76.67	≤-47	0.02153	≤20	PASS
NTNV	2DH5	Ant1	2441	30~1000	929.68	-90.92	≤-54	0.00081	≤4	PASS
NTNV	2DH5	Ant1	2441	1000~12500	11960.08	-76.18	≤-47	0.02410	≤20	PASS
NTNV	2DH5	Ant1	2480	30~1000	806.49	-88.98	≤-54	0.00126	≤4	PASS
NTNV	2DH5	Ant1	2480	1000~12500	12337.85	-76.74	≤-47	0.02118	≤20	PASS
NTNV	3DH5	Ant1	2402	30~1000	759.44	-90.76	≤-54	0.00084	≤4	PASS
NTNV	3DH5	Ant1	2402	1000~12500	11984.80	-76.80	≤-47	0.02089	≤20	PASS
NTNV	3DH5	Ant1	2441	30~1000	916.58	-90.18	≤-54	0.00096	≤4	PASS
NTNV	3DH5	Ant1	2441	1000~12500	12408.00	-76.58	≤-47	0.02198	≤20	PASS
NTNV	3DH5	Ant1	2480	30~1000	745.86	-89.89	≤-54	0.00103	≤4	PASS
NTNV	3DH5	Ant1	2480	1000~12500	11994.00	-75.90	≤-47	0.02570	≤20	PASS

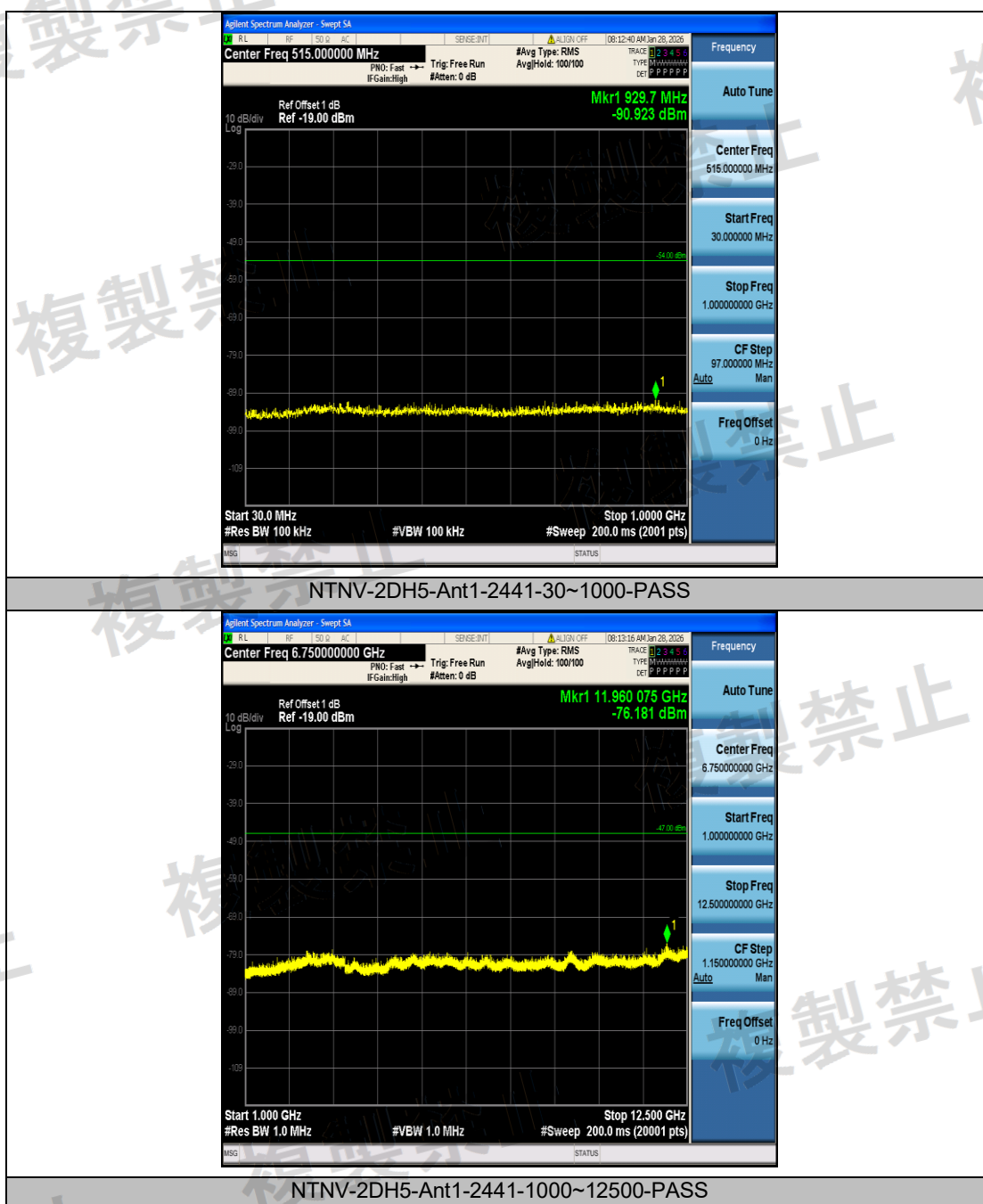
Test Graphs

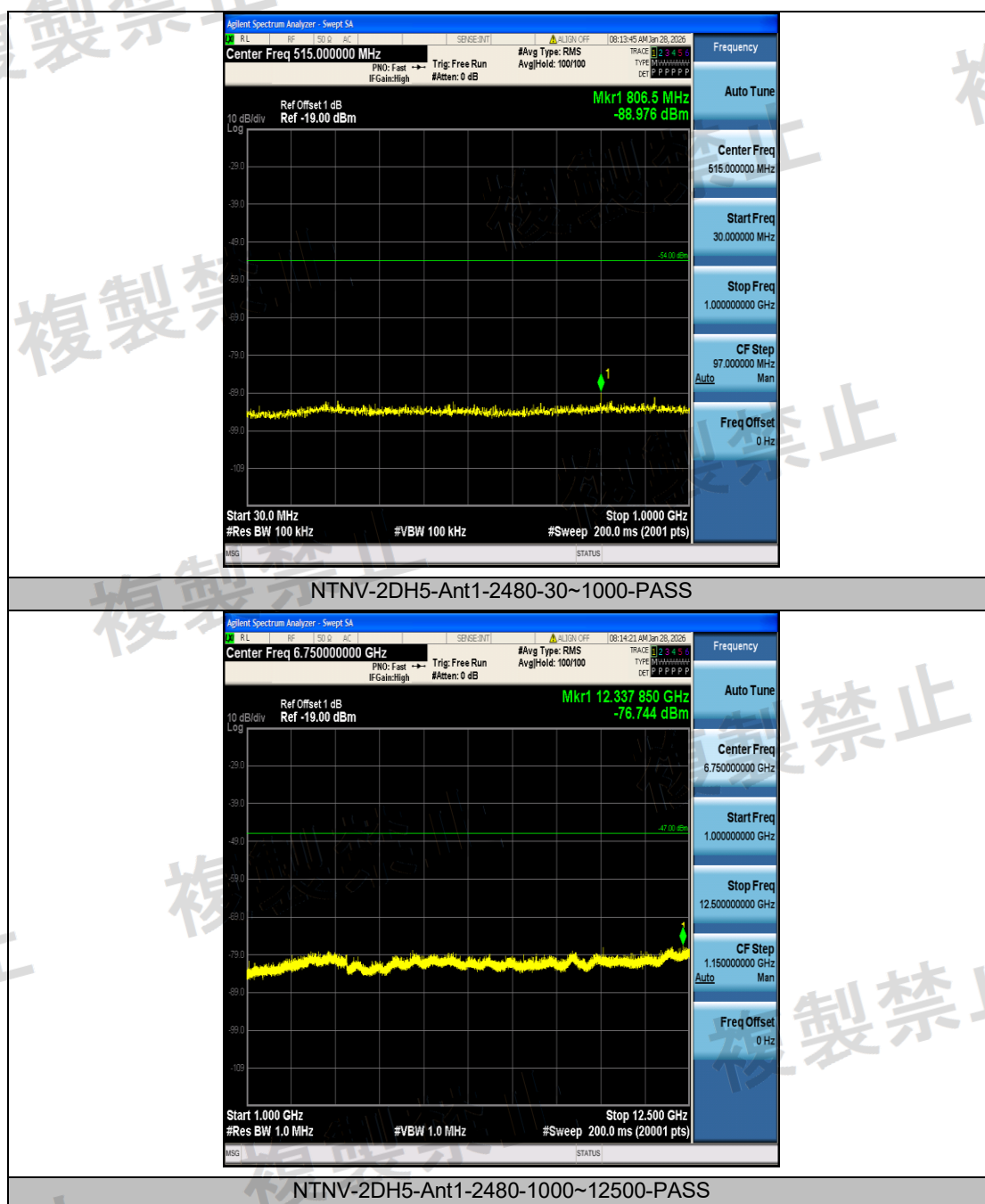


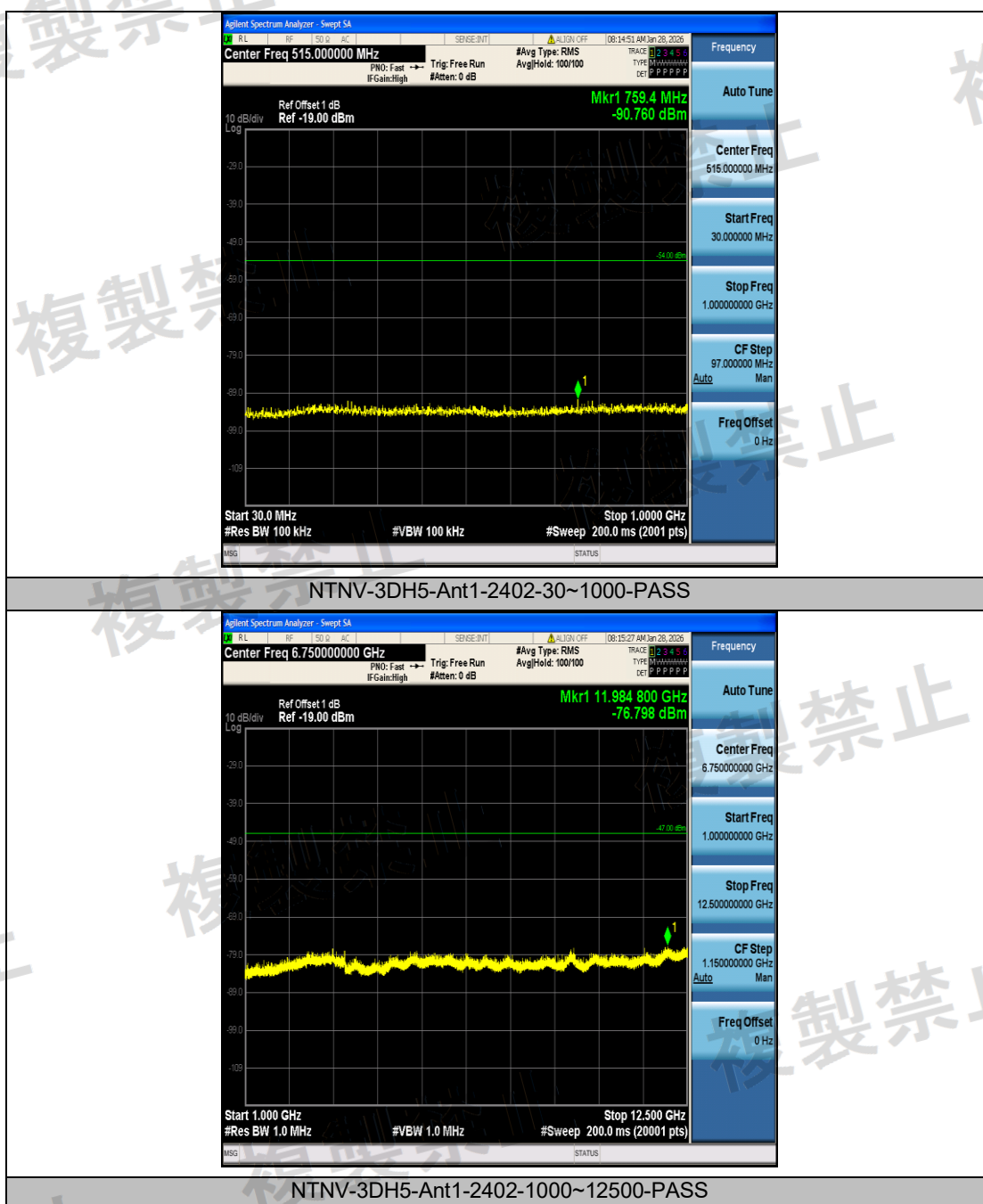


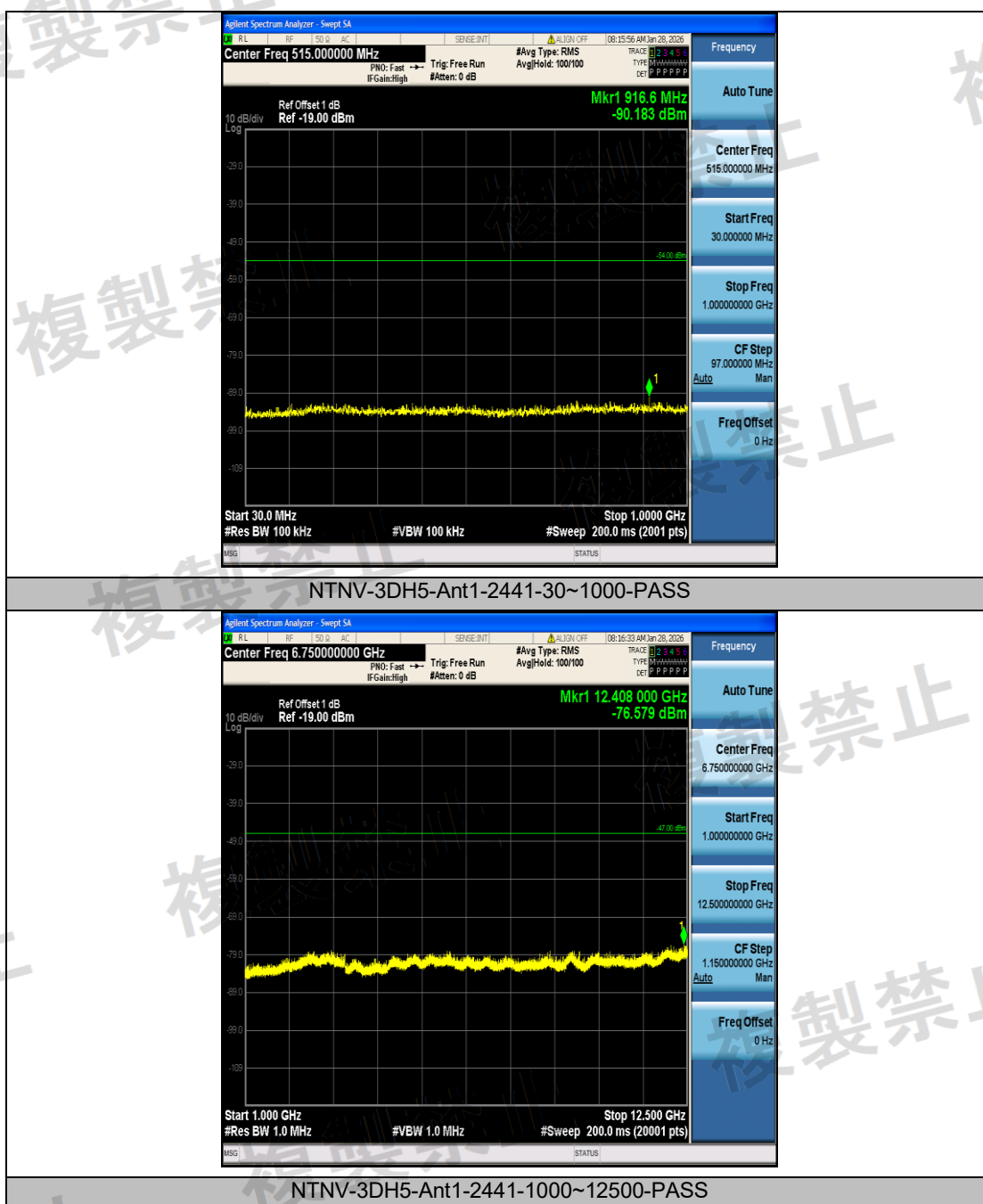


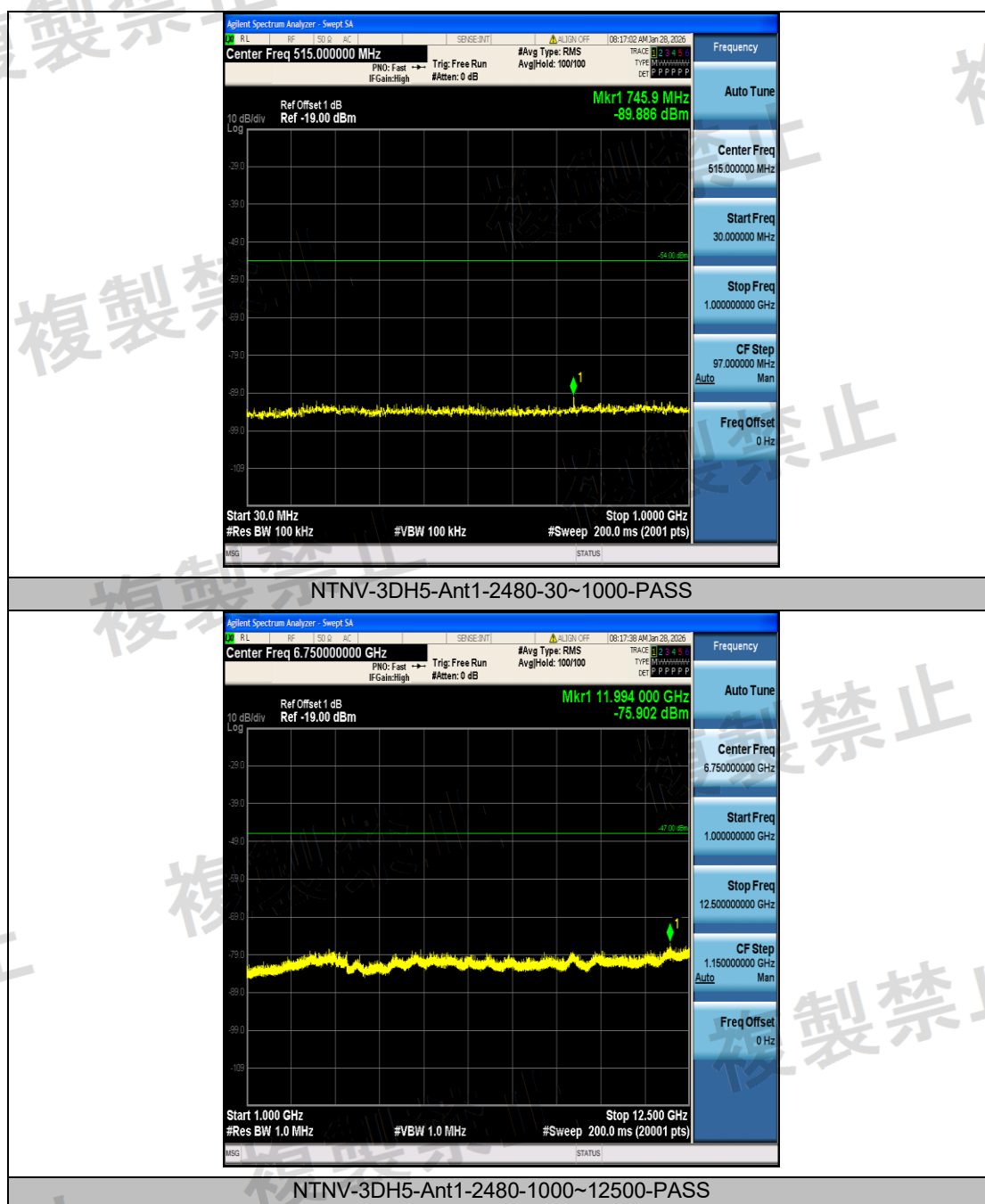










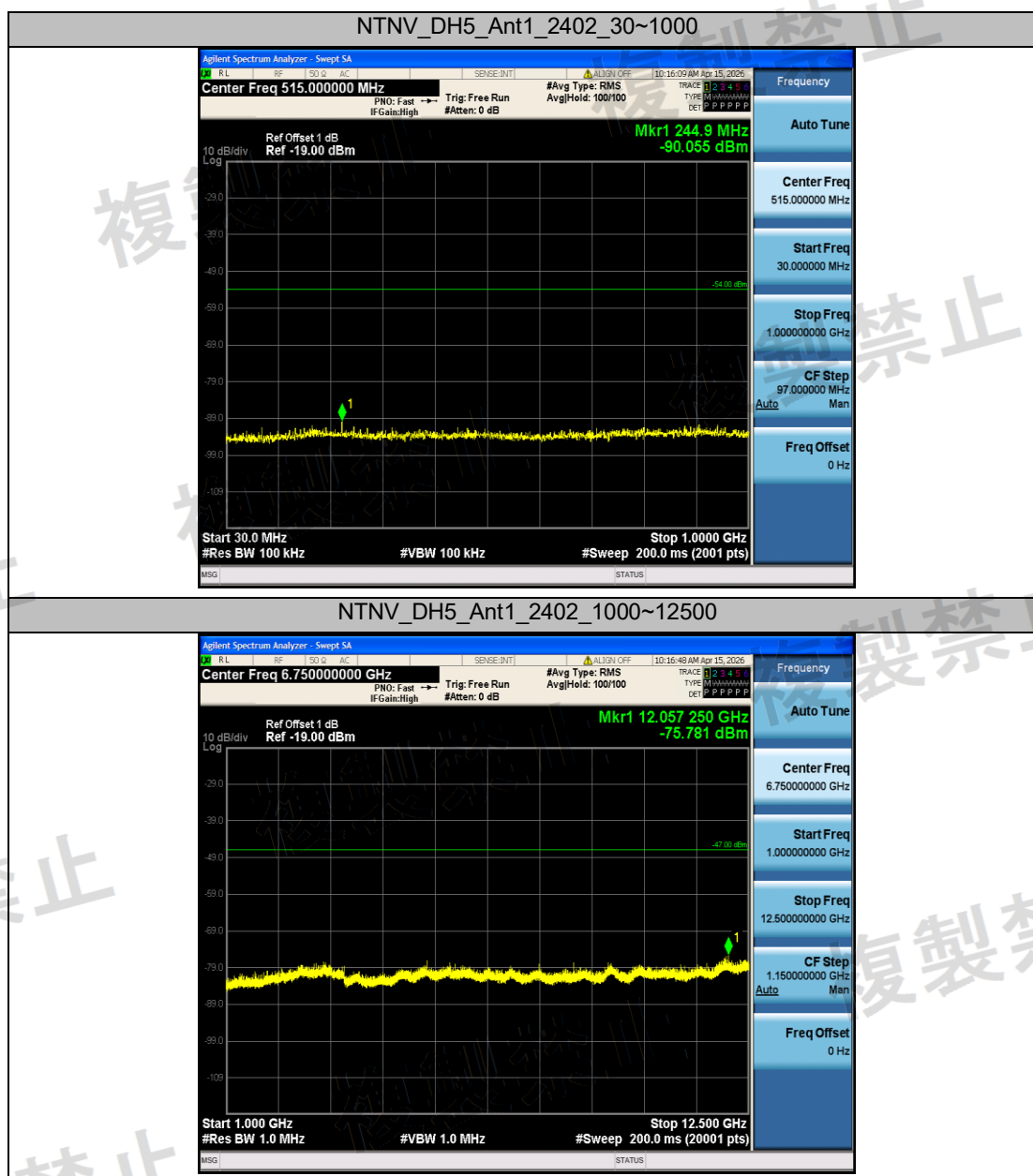


Worse case spot check data:

Test Result

Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	244.86	-90.06	≤-54	0.00099	≤4	PASS
				1000~12500	12057.25	-75.78	≤-47	0.02642	≤20	PASS

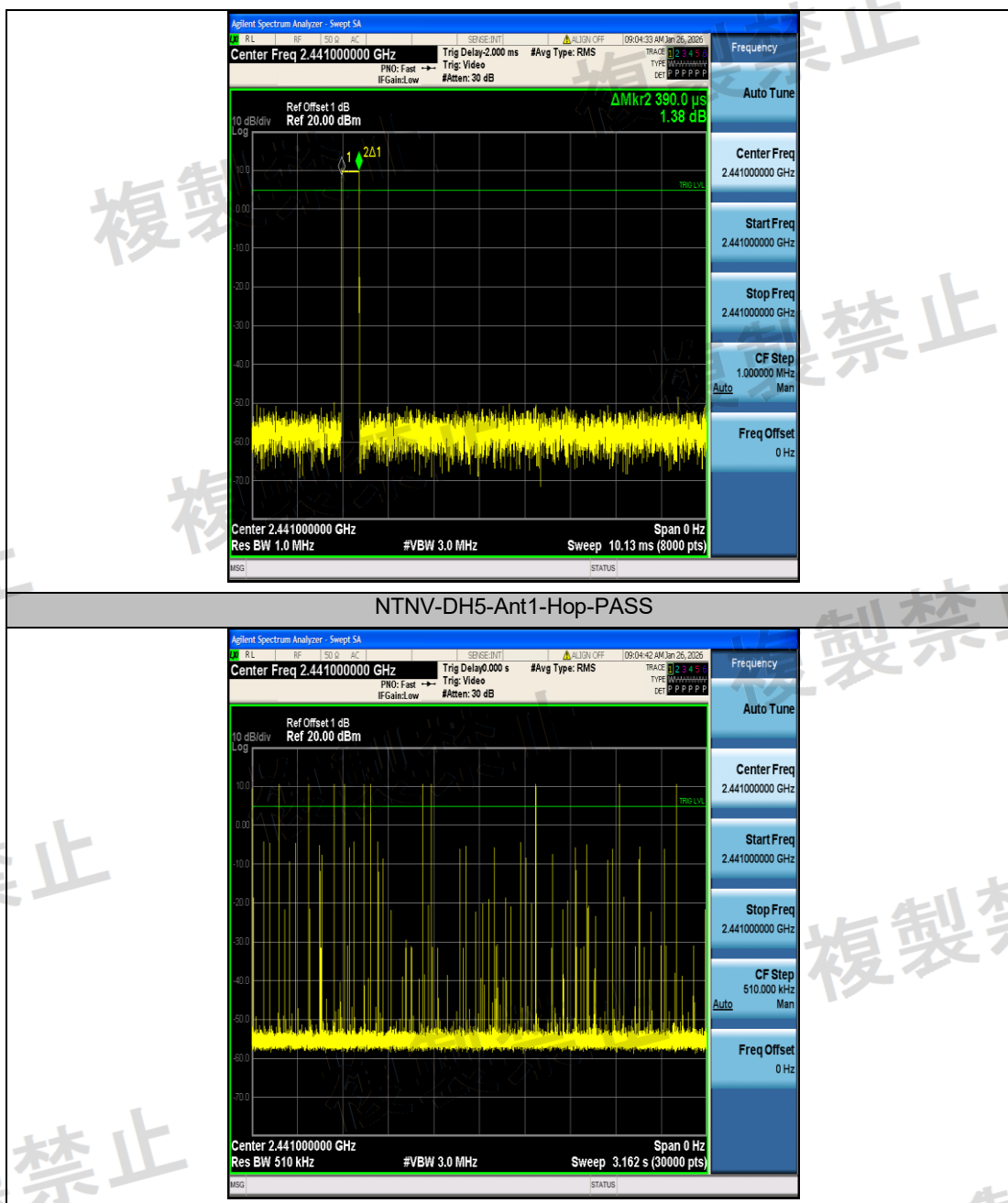
Test Graphs

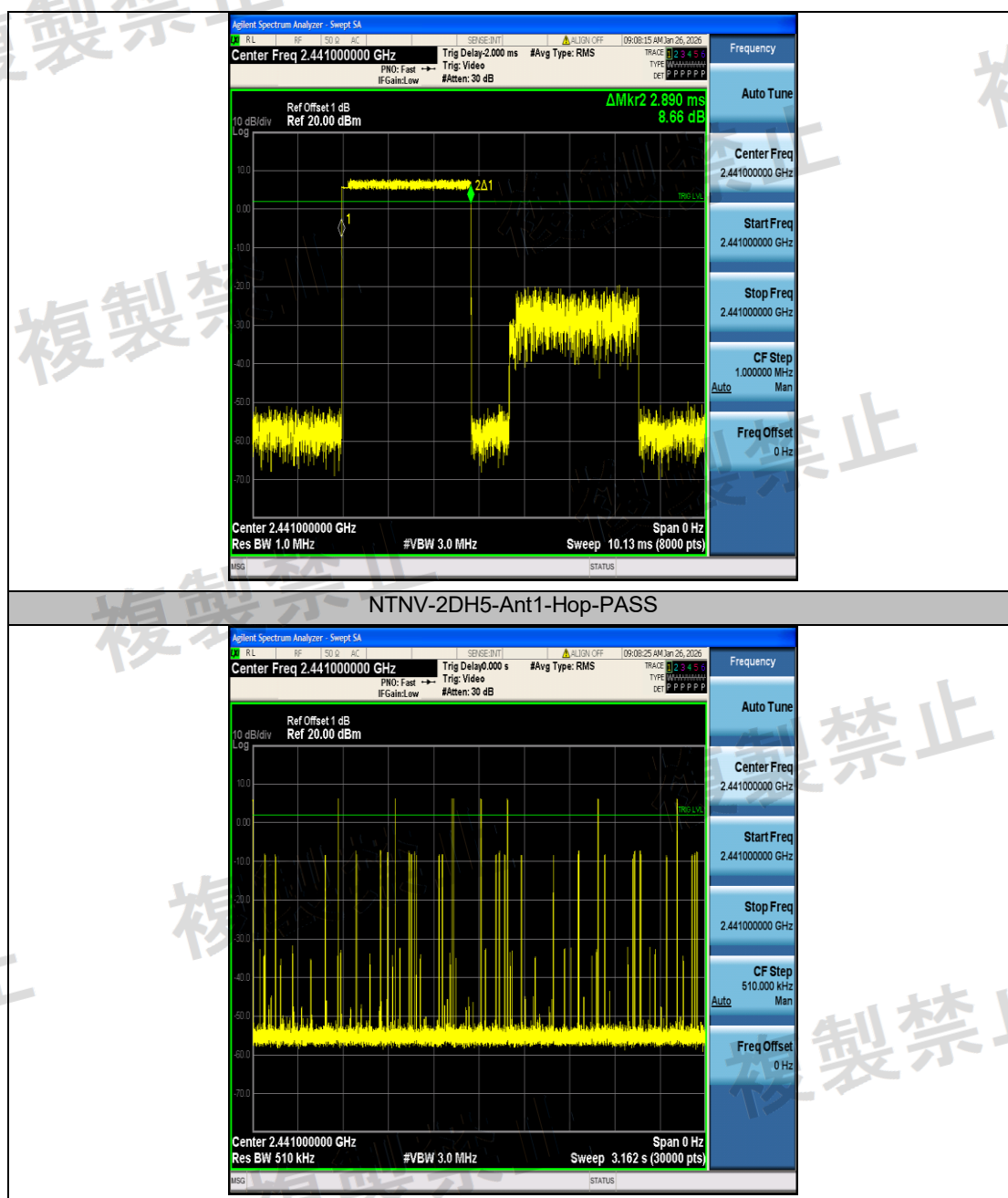


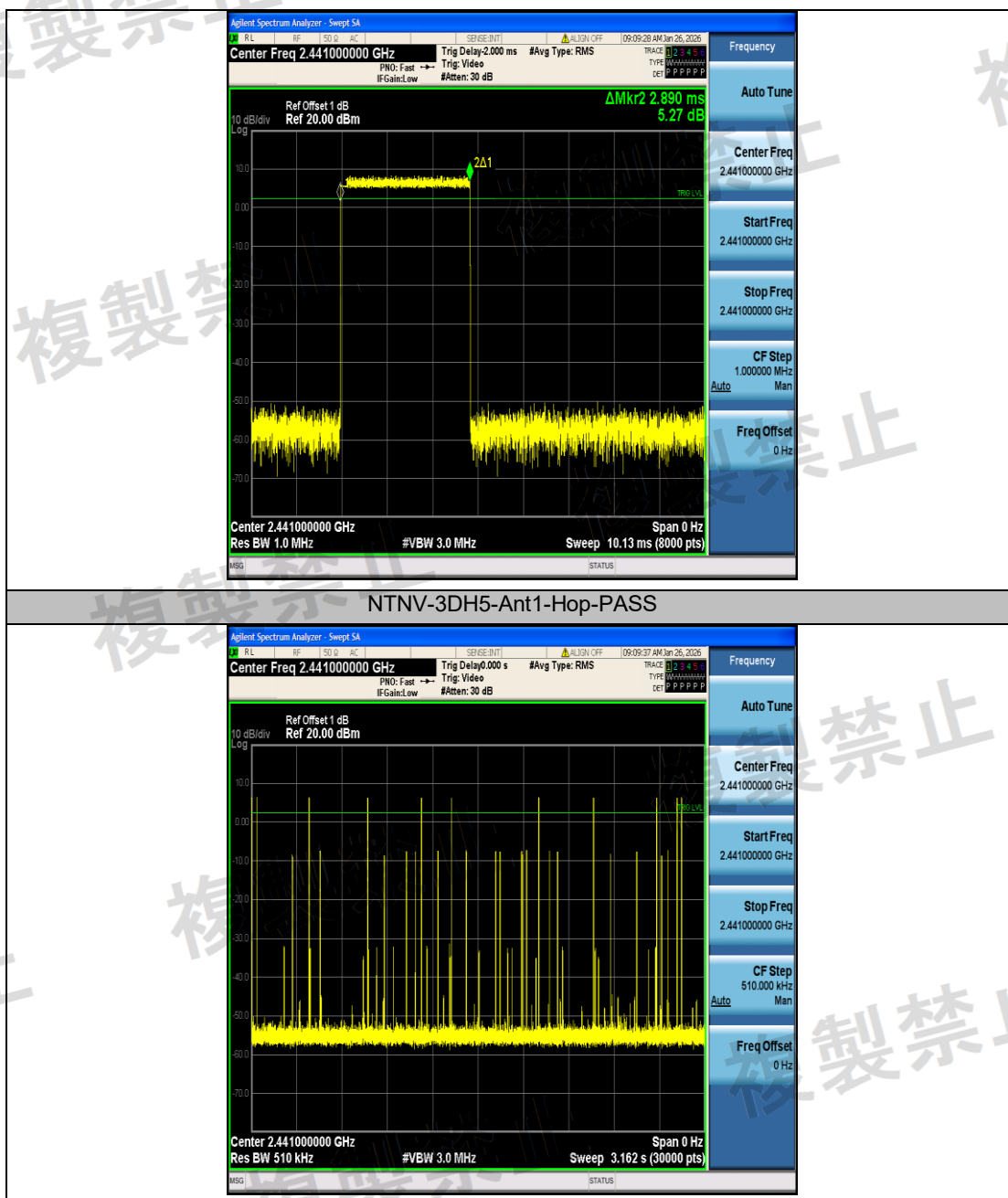
Dwell Time Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops	Result[s]	Limit [s]	Verdict
NTNV	DH5	Ant1	Hop	0.39	120	0.047	≤0.4	PASS
NTNV	2DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS
NTNV	3DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS

Test Graphs







Interference Prevention Function

Test Item	:	Interference Prevention Function Measurement
Test Site	:	TR8
Test Mode	:	Mode: Normal Mode
EUT MAC Address	:	43:62:B0:00:9A:FC



The End