

Japan Specified Radio Test Report

Report No. : 1812C50311712501

Applicant : Shenzhen Welldy Technology Co., Ltd

Address : 4F, C Block Yili Technology Park, Guanhu
Street, Longhua District, Shenzhen, China

Product Name : Bluetooth Speaker

Report Date : 2025-07-24

Shenzhen Anbotek Compliance Laboratory Limited



Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-b

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TEST REPORT

Applicant : Shenzhen Welldy Technology Co., Ltd
Manufacturer : Shenzhen Welldy Technology Co., Ltd
Product Name : Bluetooth Speaker
Model No. : OZ-H5, OZ-H5-JL3, OZ-H5-JL3-V1.0, H5, H5-JL3, H5-JL3-V1.0,
TAZATA FUN 30
Trade Mark : N/A
Rating(s) : Input: 5V $\pm$ 0.3A
Battery Capacity: DC 3.7V, 500mAh

Test Standard(s) : MIC Notice No.88 Appendix No.43
Article 2, paragraph 1, item 19

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the MIC Notice No.88 Appendix No.43 and Certificate regulation article 2, paragraph 1, item 19 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt

2025-06-25

Date of Test

2025-06-25 to 2025-07-10

Prepared By

Cecilia Chen

(Cecilia Chen)

Approved & Authorized Signer

Hugo Chen

(Hugo Chen)



Revision History

Report Version	Description	Issued Date
R00	Original Issue.	2025-07-24



1. General Information

1.1. Client Information

Applicant	:	Shenzhen Welldy Technology Co., Ltd
Address	:	4F, C Block Yili Technology Park, Guanhu Street, Longhua District, Shenzhen, China
Manufacturer	:	Shenzhen Welldy Technology Co., Ltd
Address	:	4F, C Block Yili Technology Park, Guanhu Street, Longhua District, Shenzhen, China
Factory	:	Shenzhen Welldy Technology Co., Ltd
Address	:	4F, C Block Yili Technology Park, Guanhu Street, Longhua District, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	Bluetooth Speaker
Model No.	:	OZ-H5, OZ-H5-JL3, OZ-H5-JL3-V1.0, H5, H5-JL3, H5-JL3-V1.0, TAZATA FUN 30 (Note: All samples are the same except the model number, so we prepare "OZ-H5" for test only.)
Trade Mark	:	N/A
Test Power Supply	:	DC 5V
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Hardware Version	:	H5-JL3-V1.0
Software Version	:	36E2-697C5C98
Adapter	:	N/A

RF Specification

Operation Mode	:	☒ BT BDR ☒ BT EDR
Operation Frequency	:	2402~2480MHz
Number of Channel	:	79 Channels
Modulation Type	:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	-0.58dBi
Rated output Power	:	Bluetooth BDR: 3mW/MHz Max. Bluetooth EDR: 3mW/MHz Max. Bluetooth EDR: 3mW/MHz Max.

Remark: (1) All of the RF specification are provided by customer. (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
CH340 USB TO TTL UART	Mercury electronics technologies	MCS-71 Pro	/

1.4. Description of Test Configuration

The EUT has been tested under typical operating condition. The Applicant provides software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
00	2402	17	2419	34	2436	51	2453	68	2470
01	2403	18	2420	35	2437	52	2454	69	2471
02	2404	19	2421	36	2438	53	2455	70	2472
03	2405	20	2422	37	2439	54	2456	71	2473
04	2406	21	2423	38	2440	55	2457	72	2474
05	2407	22	2424	39	2441	56	2458	73	2475
06	2408	23	2425	40	2442	57	2459	74	2476
07	2409	24	2426	41	2443	58	2460	75	2477
08	2410	25	2427	42	2444	59	2461	76	2478
09	2411	26	2428	43	2445	60	2462	77	2479
10	2412	27	2429	44	2446	61	2463	78	2480
11	2413	28	2430	45	2447	62	2464		
12	2414	29	2431	46	2448	63	2465		
13	2415	30	2432	47	2449	64	2466		
14	2416	31	2433	48	2450	65	2467		
15	2417	32	2434	49	2451	66	2468		
16	2418	33	2435	50	2452	67	2469		

Note: EUT was tested with channel 0, 39 and 78.

1.5. Test Conditions

	Normal Test Conditions
Temperature	25.9°C
Relative Humidity	54%
Pressure Range	101kPa



1.6. Test Voltage

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	DC 5V	DC 5.5V	DC 4.5V
Output To RF Module	DC 3.30V	DC 3.30V	DC 3.30V
Voltage Variation (%)	--	0.00%	0.00%

Note: Voltage Variation (%)=(Output high or Low Voltage - Output Normal Voltage)/ Output Normal Voltage* 100

For extreme voltage test, we have tested the relationship between the external power supply and RF IC power supply. Base on the test results, only the normal voltage was selected to perform all items.

1.7. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2025-04-25	2026-04-24
2	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY50531823	2024-09-09	2025-09-08
3	MXG RF Vector Signal Generator	Agilent	N5182A	MY47420647	2025-01-14	2026-01-13
4	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS8 0B	N/A	2024-10-14	2025-10-13
5	DC Power Supply	IVYTECH	IV3605	1804D360510	2024-09-09	2025-09-08
6	Oscilloscope	Tektronix	MDO3012	C020298	2024-10-10	2025-10-09

Remark:

(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)

From JRL Article 24 .2, paragraph 4, Item 2



1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 279531

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 279531.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

1.9. Disclaimer

1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
2. The test report is invalid if there is any evidence and/or falsification.
3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.
7. The data in this report will be synchronized with the corresponding national market supervision and management departments and cross-border e-commerce platforms as required by regulatory agencies.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

1.10. Measurement Uncertainty

Parameter	Uncertainty
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Conducted Spurious Emission	1.24dB
Frequency tolerance	74.60Hz
Dwell Time	2%
The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	



2. Summary of Test Results

Test Standard	Description of Test	Result
MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	Frequency Tolerance	Complies
	Antenna power	Complies
	EIRP	Complies
	Antenna Power Tolerance	Complies
	Occupied Bandwidth	Complies
	Spread Bandwidth	Just for report
	Spurious Emissions	Complies
	Interference prevention function	Complies
	Secondary Radiated Emissions	Complies
	Dwell Time	Complies
	Transmission Radiated Angle Width (3dB Beam Bandwidth)	N/A*
	Antenna Absolute Gain	Complies

Note:

(1) N/A is an abbreviation for Not Applicable.

(2) This device have more than 1 subcarrier in 1MHz, compliance with the requirement.

*: Application to Antenna Gain more than 6.91dBm/MHz.



3. Frequency Tolerance Test

3.1. Test Limit

Test Limit	± 50 ppm
------------	--------------

3.2. Test Setup



3.3. Test Procedure

Test Frequency= test channel

RBW=VBW=10kHz

Span=500kHz

Sweep time=Auto

Detector mode=Positive peak

Indication mode=Max hold

3.4. Test Data

PASS

Please refer to Appendix A of the Appendix Test Data.



4. Antenna Power Test

4.1. Test Limit

No.	Modulation Method	Frequency Range	Antenna Power	E.I.R.P
1.	FHSS(Compound method with DSSS or OFDM) (OBW within 83.5MHz)	2427-2470.75 MHz	3mW/MHz or less	6.91-16.91dBm/MHz
		2400-2483.5 MHz (except 2427-2470.75MHz)	10mW/MHz or less	12.14-22.14dBm/MHz
2.	DSSS (OBW within 26MHz)	2400 - 2483.5 MHz	10mW/MHz or less	12.14-22.14dBm/MHz
3.	OFDM (OBW within 26MHz)		10mW/MHz or less	12.14- - 22.14dBm/MHz
4.	OFDM (OBW 26-40MHz)		5mW/MHz or less	9.13-19.13dBm/MHz
5.	Other Digital methods (OBW within 26MHz)		10mW or less	12.14-22.14dBm
6.	Tolerance	+20%		

4.2. Test Setup



4.3. Test Configuration

1. Search Frequency of Peak Power

Test Frequency: test channel,

RBW=VBW=1MHz, Span=2400-2483.5MHz, Sweep time=Auto, Detector mode =Positive peak

2. Measure of average burst power

Test Frequency: frequency of peak power

RBW=VBW=1MHz, Span=0Hz, Sweep time=Auto, Detector mode=RMS

3. Antenna power= Average burst power / Spread bandwidth

4.4. Test Data

Pass

Please refer to Appendix B of the Appendix Test Data.



5. Occupied Bandwidth (99%) Test

5.1. Test Limit

Modulation type	Limit
FH:	83.5MHz or less
FH + DS:	83.5MHz or less
FH + OFDM:	83.5MHz or less
OFDM:	40MHz or less
Others:	26MHz or less

5.2. Test Setup



5.3. Test Procedure

Non-hopping:

Test Frequency= test channel

RBW=VBW=1MHz

Span=5MHz

Sweep time=Auto

Detector mode=Positive peak

Indication mode=Max hold

Hopping:

Test Frequency=test channel

RBW=VBW=1MHz

Span=200MHz

Sweep time=Auto

Detector mode=Positive peak

Indication mode=Max hold

5.4. Test Data

PASS

Please refer to Appendix C of the Appendix Test Data.

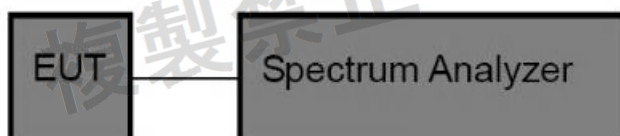


6. Spread-Spectrum Bandwidth (90%) Test

6.1. Test Limit

Test Limit	N/A
------------	-----

6.2. Test Setup



6.3. Test Procedure

Test Frequency= test channel

RBW=VBW=1MHz

Span=200MHz

Sweep time=Auto

Detector mode=Positive peak

Indication mode=Max hold

6.4. Test Data

Pass

Please refer to Appendix D of the Appendix Test Data.



7. Spurious Emissions Intensity Test

7.1. Test Limit

Frequency Range	Test Limit
≤2387MHz	≤2.5μW/MHz (-26dBm/MHz)
2387MHz to 2400MHz	≤25μW/MHz (-16dBm/MHz)
2483.5MHz to 2496.5MHz	≤25μW/MHz (-16dBm/MHz)
≥2496.5MHz	≤2.5μW/MHz (-26dBm/MHz)

7.2. Test Setup



7.3. Test Procedure

Test Frequency: test channel,

RBW=VBW=1MHz, Sweep time=Auto, Detector mode=Positive peak

7.4. Test Data

Pass

Please refer to Appendix E of the Appendix Test Data.

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

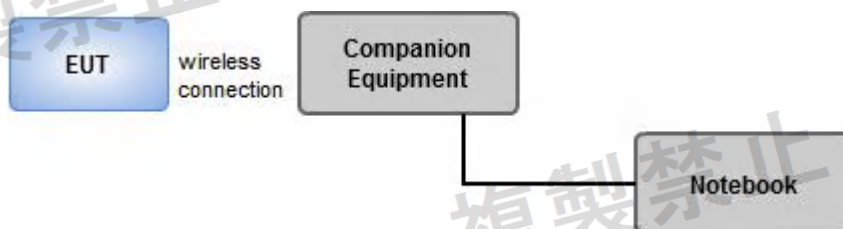


8. Interference Prevention Function

8.1. Test Limit

Test Limit	The identification code shall be 48 bits long
------------	---

8.2. Test Setup



8.3. Test Configuration

1. Set EUT under operating mode and link up with companion equipment
2. Check communication status between EUT and companion equipment is normal
3. Record the max. reading.
4. Confirm the MAC address of EUT

8.4. Test Data

Test Mode	ID Code	Test Results
BDR+EDR	02:3A:CD:AE:E4:EB	Complies



9. Secondary Radiated Emissions Test

9.1. Test Limit

Frequency Range	Test Limit
30~ 1000MHz	$\leq 4.0\text{nW}$ (-54dBm)
1000~ 12500MHz	$\leq 20\text{nW}$ (-47dBm)

9.2. Test Setup



9.3. Test Configuration

Test Frequency: test channel,

Below 1GHz, RBW=VBW=100kHz;

Above 1GHz, RBW=VBW=1MHz,

Sweep time=Auto, Detector mode=Positive peak

Adjust the spectrum analyzer configuration during final testing: Set the spectrum analyzer at the secondary launch measurement as follows. Center frequency secondary firing frequency Sweep frequency width span = 0Hz. If the resolution bandwidth is less than 1 GHz, it is 100 kHz and 1 MHz for 1 GHz or more Same as video bandwidth resolution bandwidth Minimum time guaranteed sweep time measurement accuracy Sweep mode single sweep Detection mode samples or RMS

Any emissions identified during the sweeps exceeds 1/10 of applicable limit, shall be individually measured using RMS detector and compared to the limits

9.4. Test Data

Pass

Please refer to Appendix F of the Appendix Test Data.

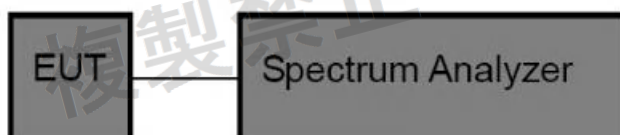


10. Dwell Time Measurement

10.1. Test Limit

Test Limit	0.4 second or less
------------	--------------------

10.2. Test Setup



10.3. Test Configuration

Test Frequency: test channel,

RBW=1MHz, VBW=3MHz, Span=0MHz, Detector mode=Positive peak

Total Dwell Time = On time Burst x On time Burst number in 31.6s

$31.6 = (0.4 \times \text{Number of hopping channels})$ [Notes]

a. Numerical Coefficient (0.4) is a dimensionless number defined in the technical standard

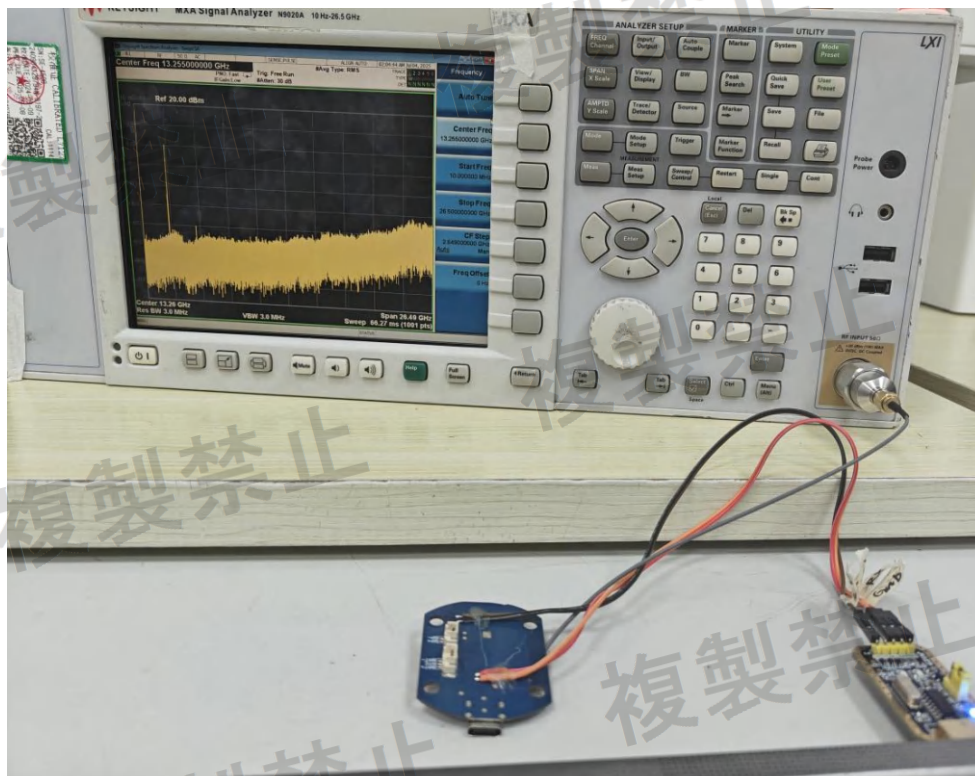
10.4. Test Data

Pass

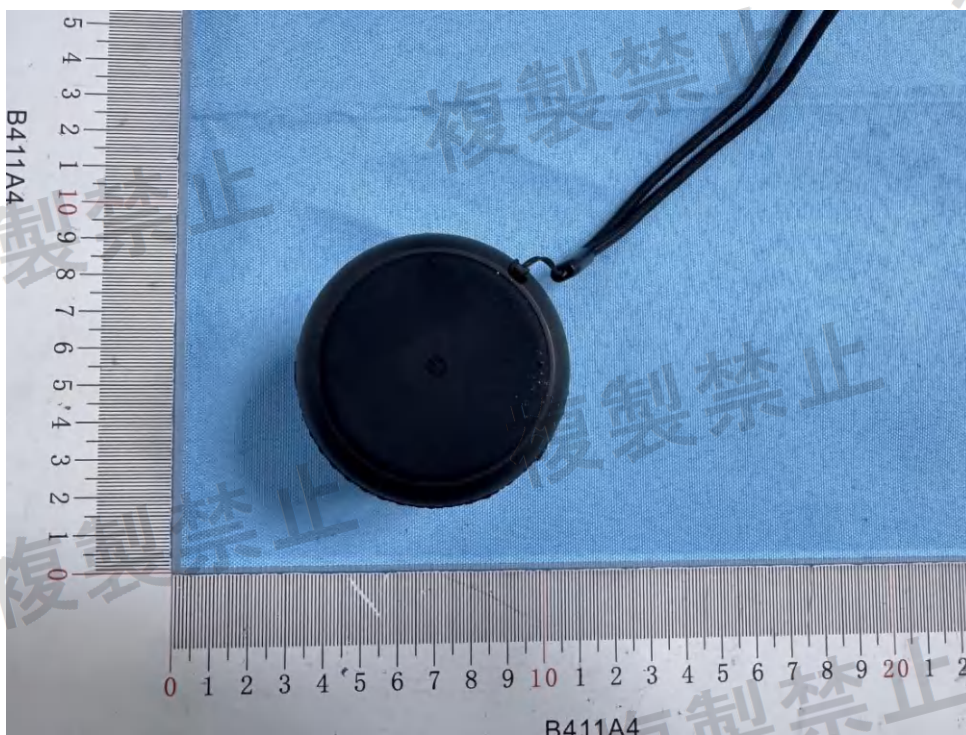
Please refer to Appendix G of the Appendix Test Data.



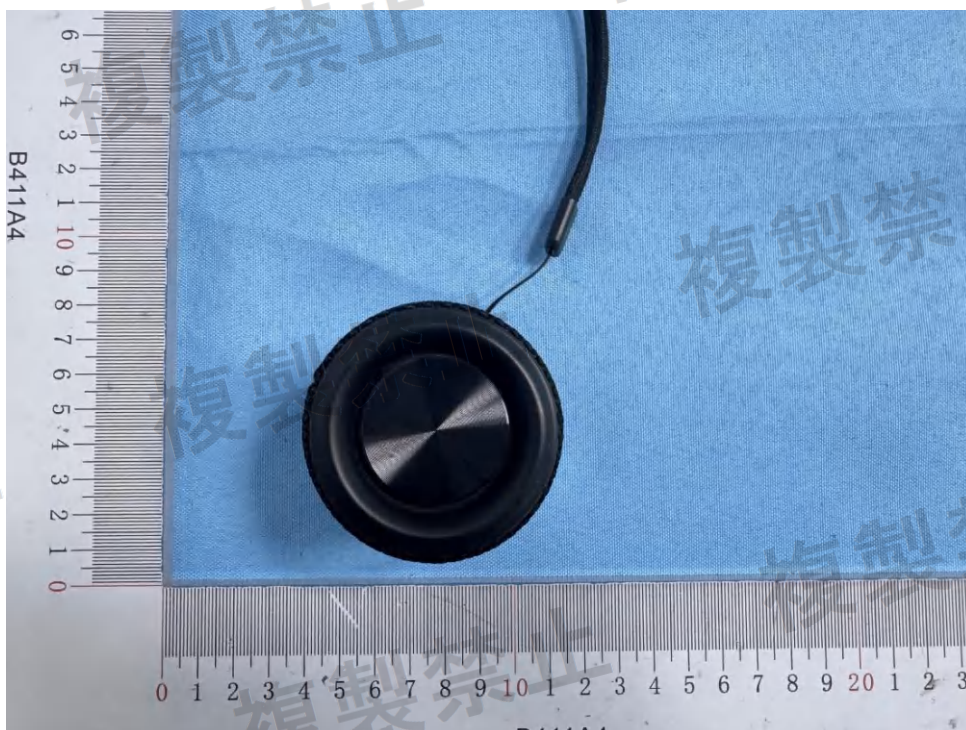
APPENDIX I -- TEST SETUP PHOTOGRAPH



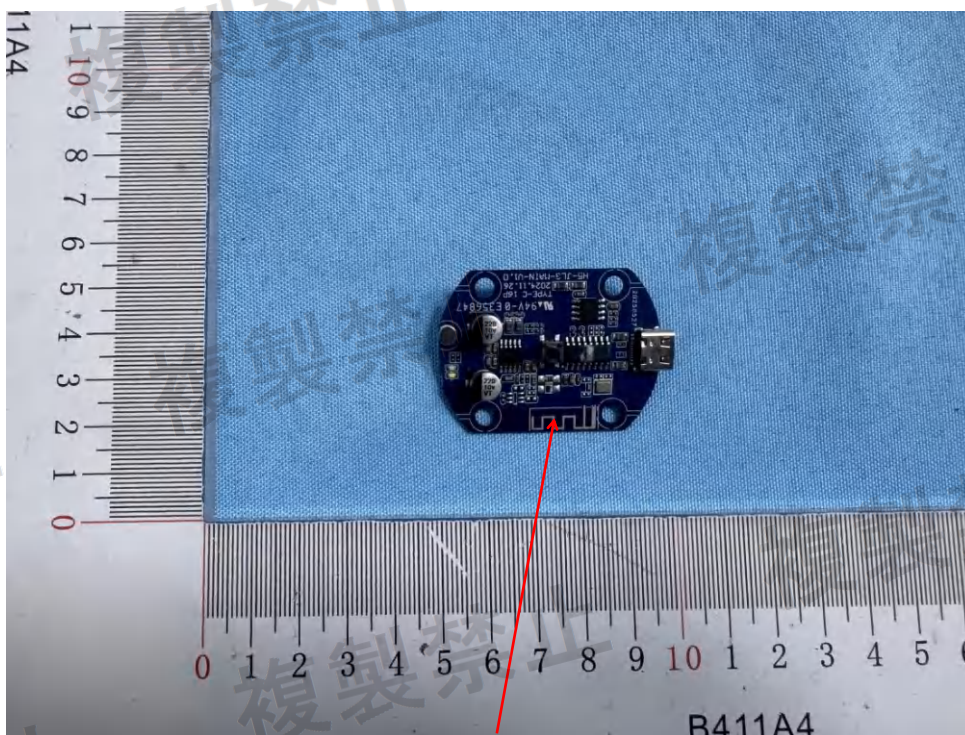
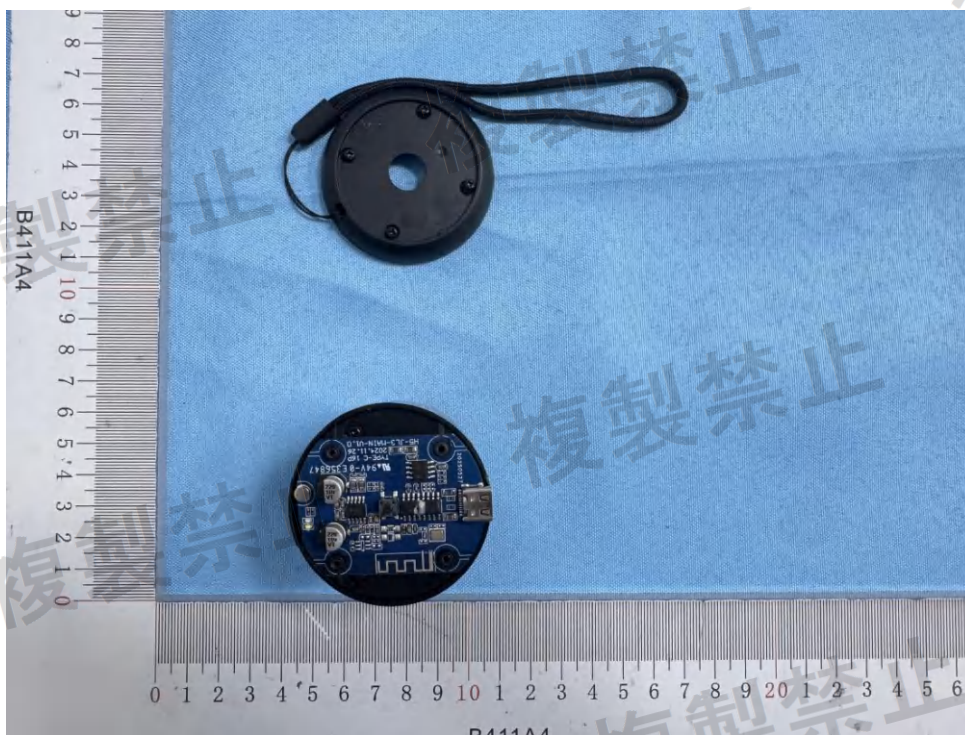
APPENDIX II -- EXTERNAL PHOTOGRAPH





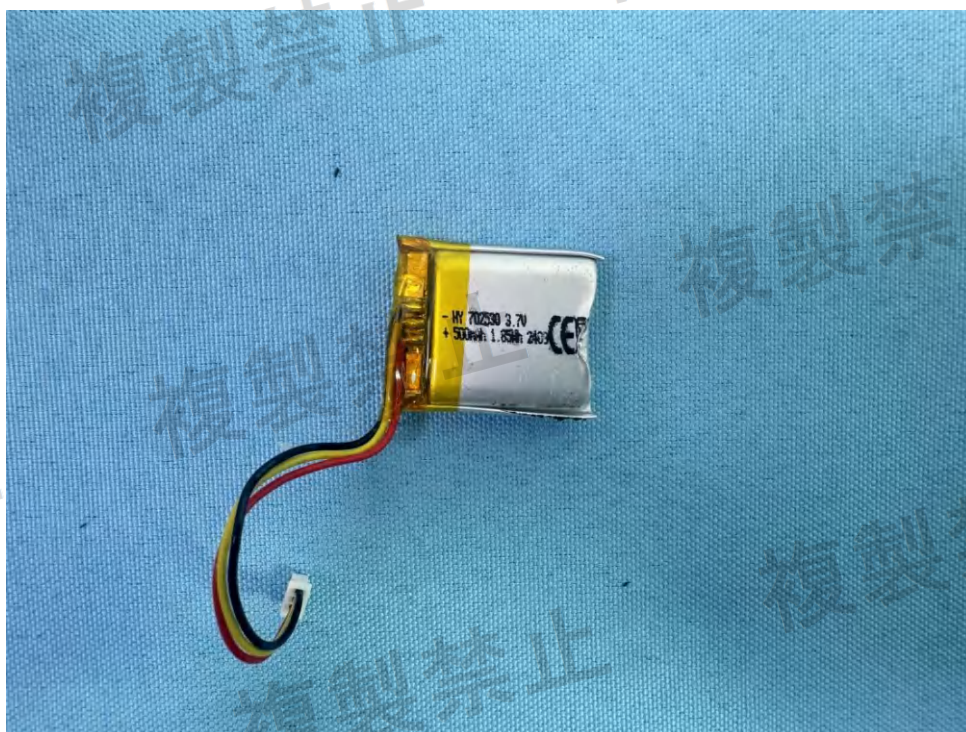
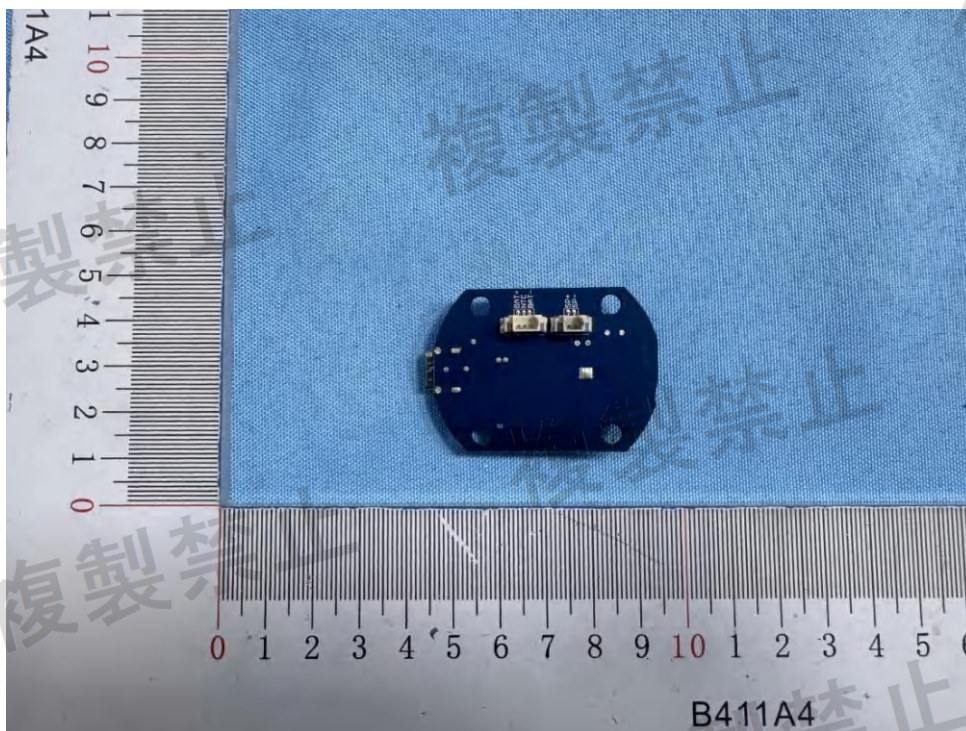


APPENDIX III -- INTERNAL PHOTOGRAPH



ANT





Appendix Test Data

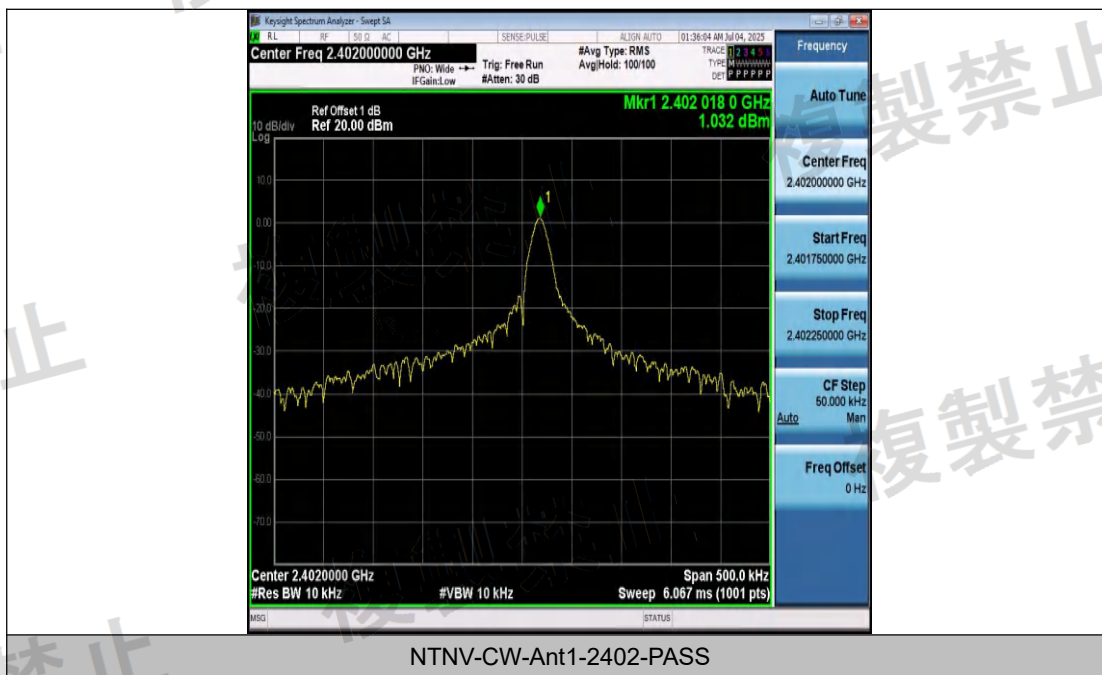
Appendix A: Frequency_Error

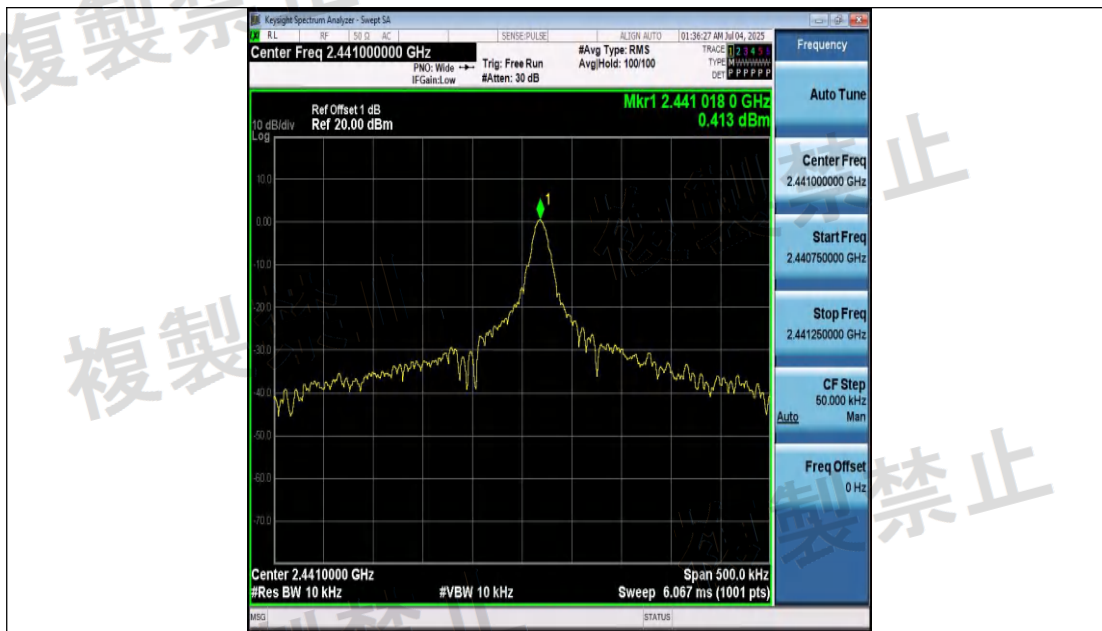
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2402.018	7.49376	±50	PASS
NTNV	CW	Ant1	2441	2441.018	7.37403	±50	PASS
NTNV	CW	Ant1	2480	2480.0185	7.45968	±50	PASS

Note: Result[ppm]= (Center Freq.[MHz] - Frequency[MHz])/ Frequency[MHz]*1000000

Test Graphs





NTNV-CW-Ant1-2441-PASS



NTNV-CW-Ant1-2480-PASS



Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Result (mW)	Spread Bandwidth (MHz)	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTNV	DH5	Ant1	Hop	18.57	71.9449	71.442	1.0070	≤3	PASS
NTNV	2DH5	Ant1	Hop	18.62	72.7780	71.484	1.0181	≤3	PASS
NTNV	3DH5	Ant1	Hop	18.63	72.9458	71.638	1.0183	≤3	PASS

Note: Result[mW/MHz]= 10^(Test Result[dBm/MHz]/10)

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
NTNV	DH5	Ant1	Hop	1.0070	3	-66.43	+20	PASS
NTNV	2DH5	Ant1	Hop	1.0181	3	-66.06	+20	PASS
NTNV	3DH5	Ant1	Hop	1.0183	3	-66.06	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
NTNV	DH5	Ant1	Hop	0.03	-0.55	≤6.91	PASS
NTNV	2DH5	Ant1	Hop	0.08	-0.50	≤6.91	PASS
NTNV	3DH5	Ant1	Hop	0.08	-0.50	≤6.91	PASS

Note: Result[dBm/MHz]=10log(Power [mW/MHz])

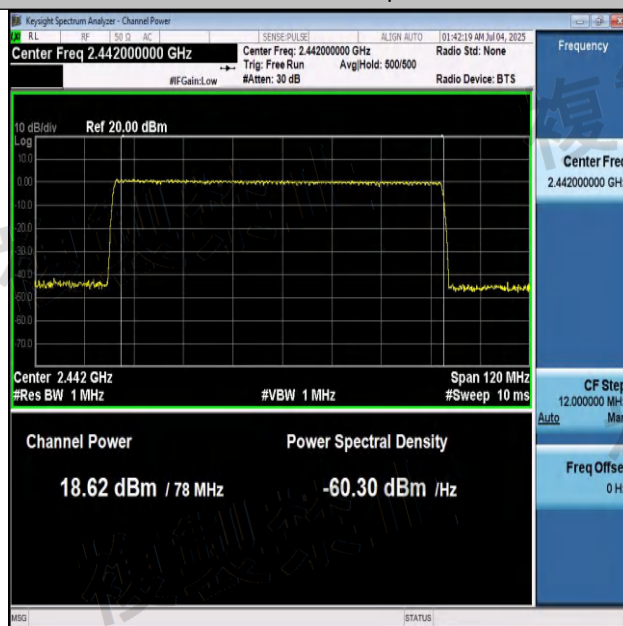
EIRP[dBm/MHz]=Result[dBm/MHz]+Gain(dBi)



Test Graphs

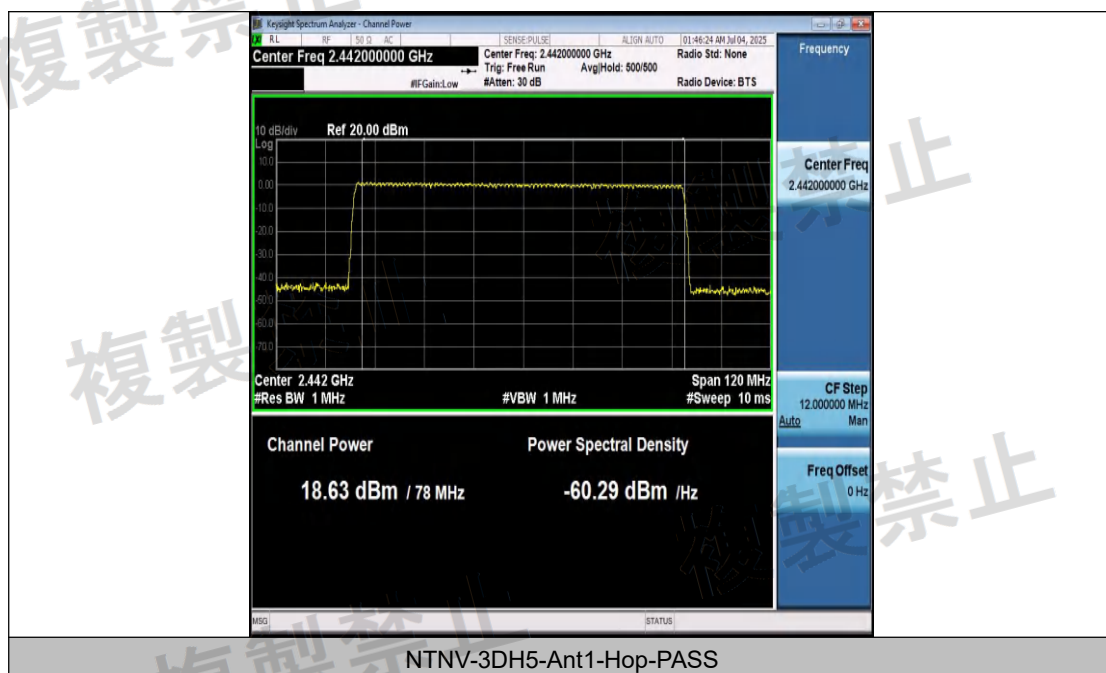


NTVN-DH5-Ant1-Hop-PASS



NTVN-2DH5-Ant1-Hop-PASS



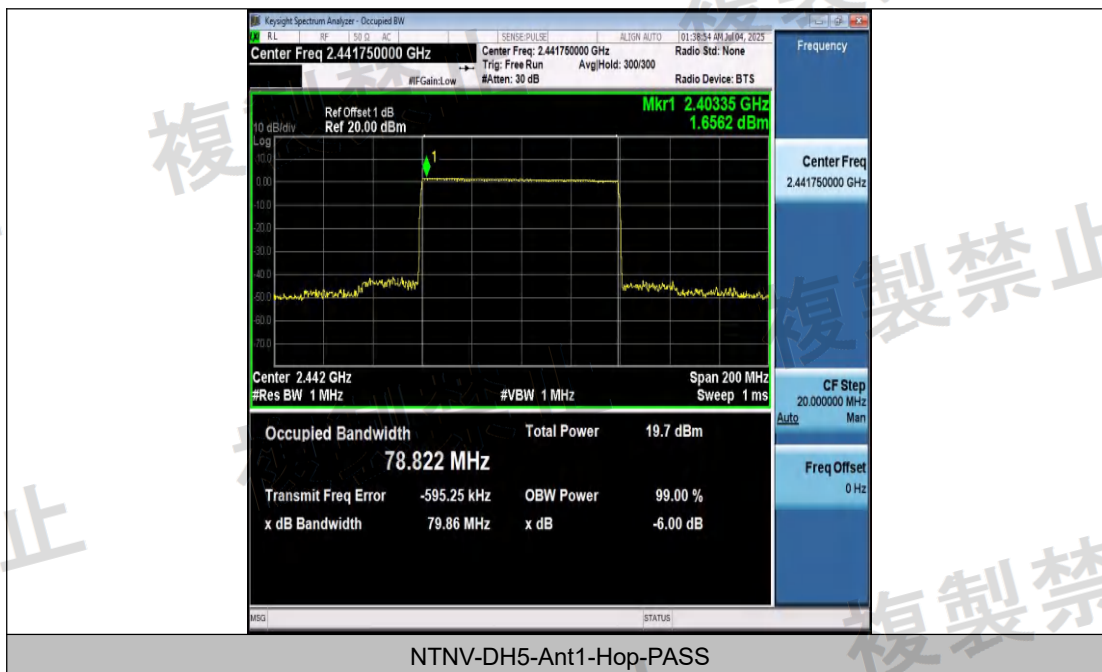


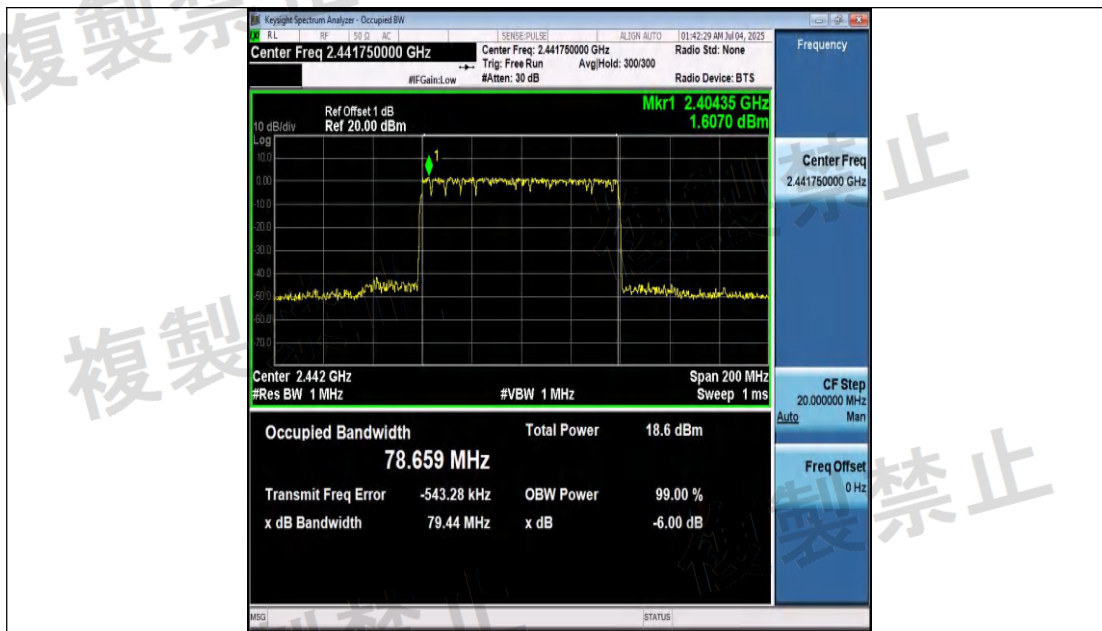
Appendix C: Occupied Bandwidth

Test Result

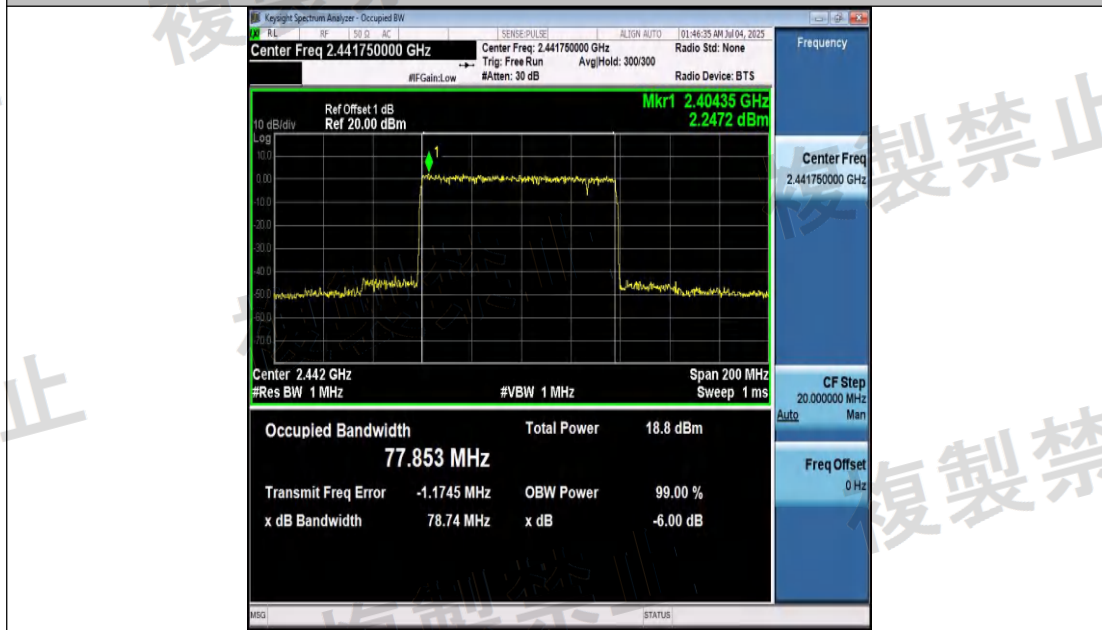
Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	78.822	≤83.5	PASS
NTNV	2DH5	Ant1	Hop	78.659	≤83.5	PASS
NTNV	3DH5	Ant1	Hop	77.853	≤83.5	PASS

Test Graphs





NTNV-2DH5-Ant1-Hop-PASS



NTNV-3DH5-Ant1-Hop-PASS

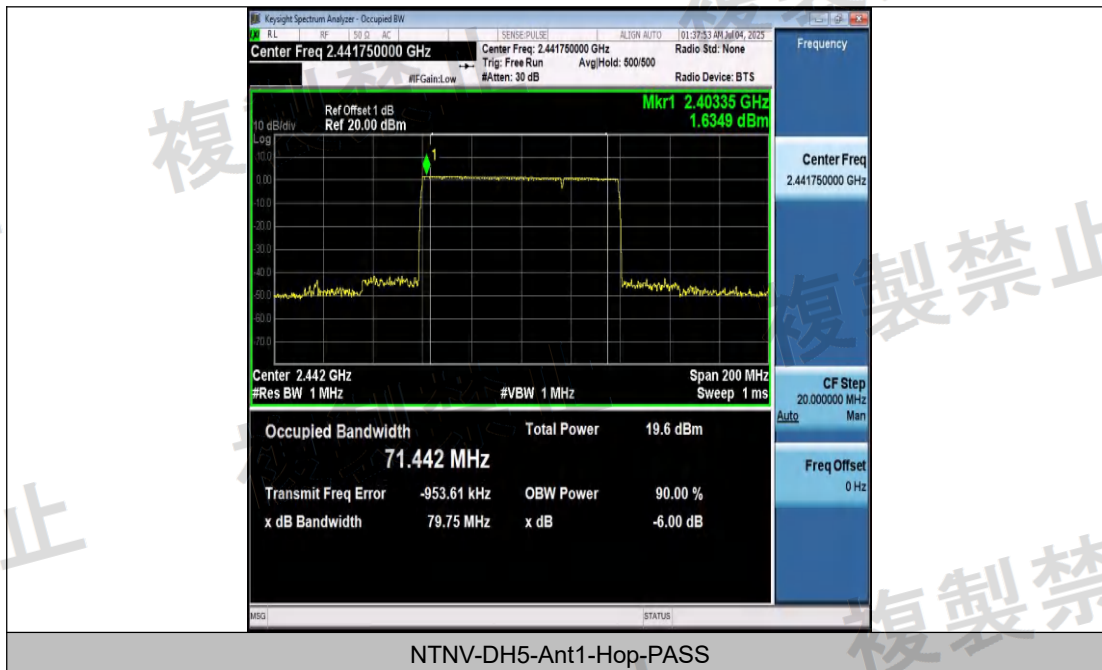


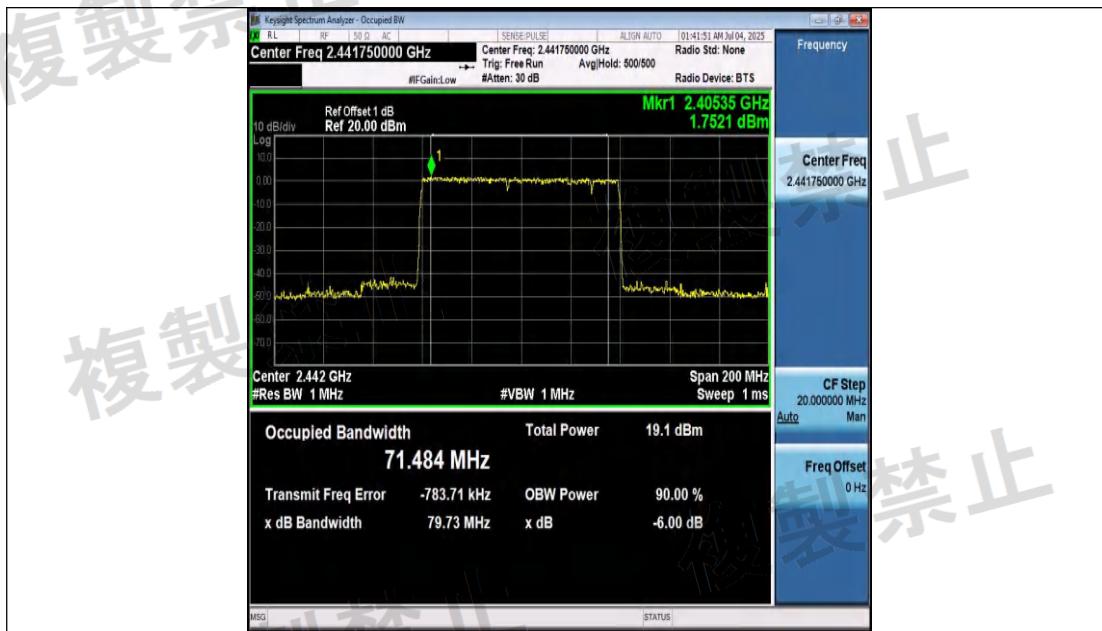
Appendix D: Spread Bandwidth

Test Result

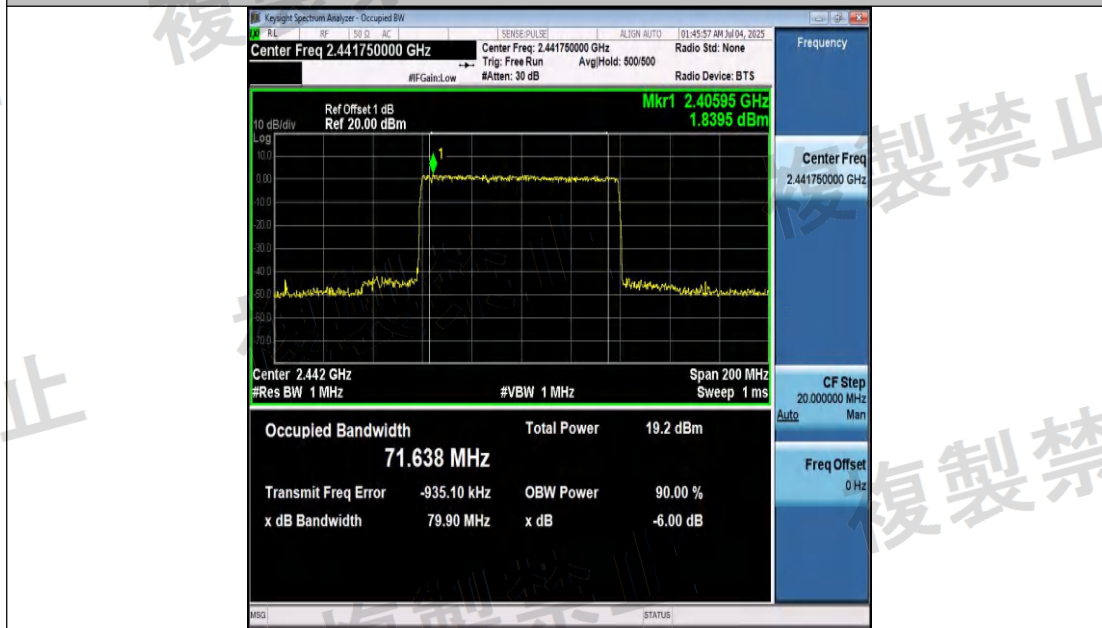
Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTNV	DH5	Ant1	Hop	71.442
NTNV	2DH5	Ant1	Hop	71.484
NTNV	3DH5	Ant1	Hop	71.638

Test Graphs





NTNV-2DH5-Ant1-Hop-PASS



NTNV-3DH5-Ant1-Hop-PASS



Appendix E: Spurious Emission of TX

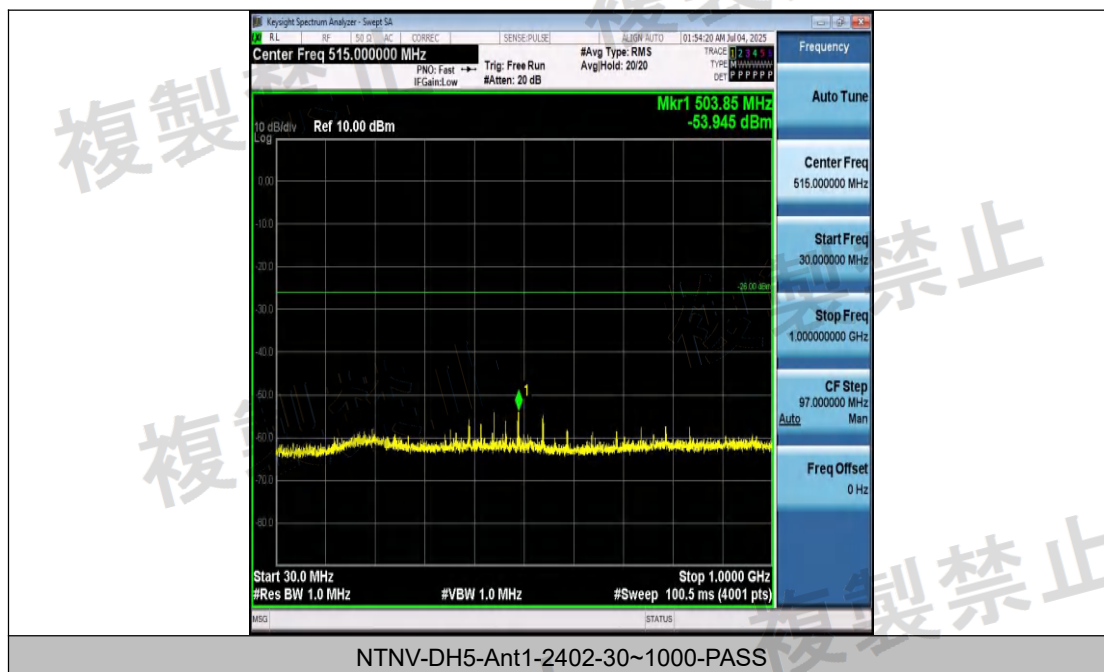
Test Result

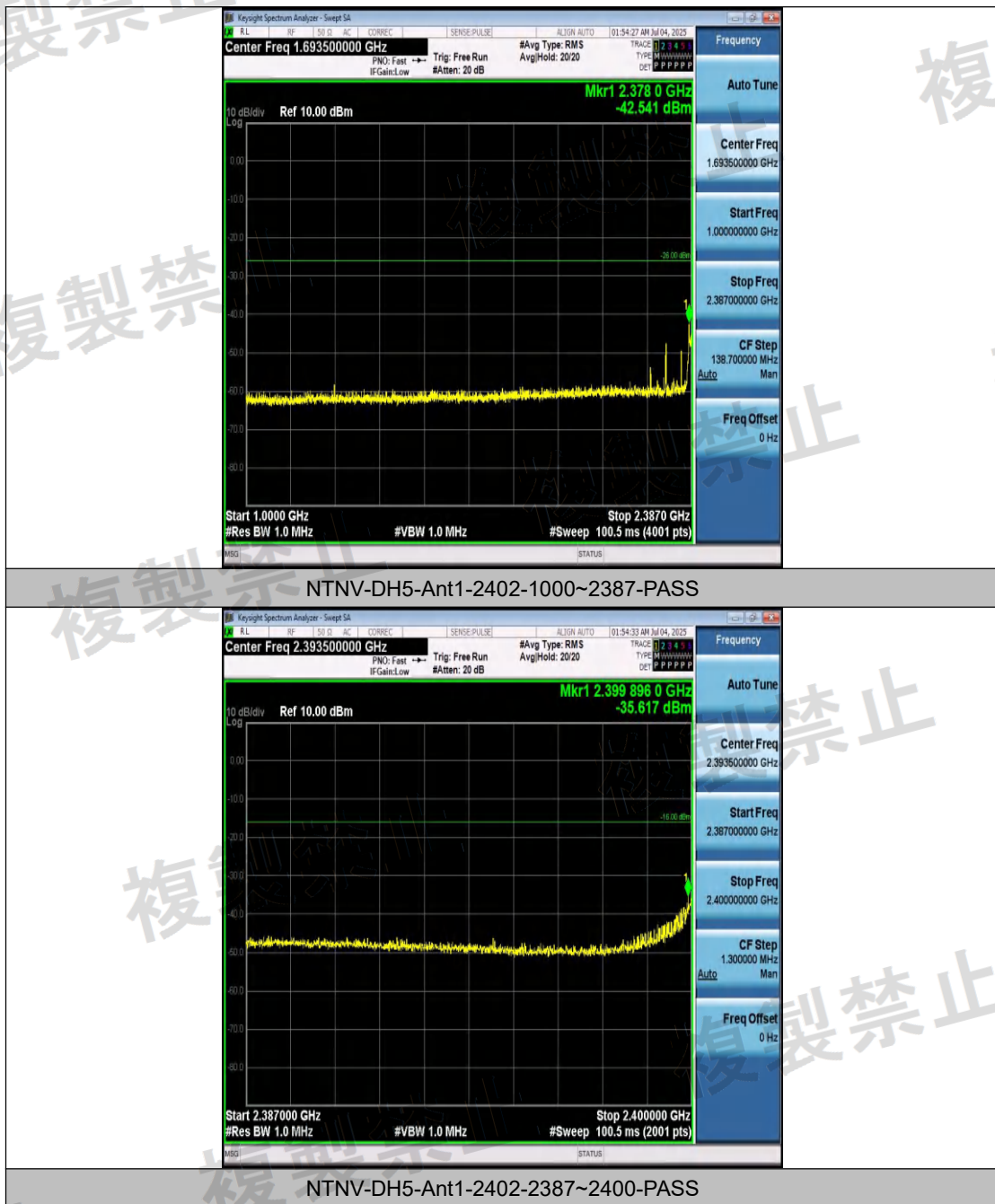
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	DH5	Ant1	2402	30~1000	503.85	-53.95	≤-26	0.00403	≤2.5	PASS
NTNV	DH5	Ant1	2402	1000~2387	2377.98	-42.54	≤-26	0.05572	≤2.5	PASS
NTNV	DH5	Ant1	2402	2387~2400	2399.90	-35.62	≤-16	0.27416	≤25	PASS
NTNV	DH5	Ant1	2402	2483.5~2496.5	2496.40	-47.67	≤-16	0.01710	≤25	PASS
NTNV	DH5	Ant1	2402	2496.5~13000	4804.12	-43.79	≤-26	0.04178	≤2.5	PASS
NTNV	DH5	Ant1	2441	30~1000	503.36	-54.09	≤-26	0.00390	≤2.5	PASS
NTNV	DH5	Ant1	2441	1000~2387	1736.50	-42.26	≤-26	0.05943	≤2.5	PASS
NTNV	DH5	Ant1	2441	2387~2400	2393.20	-48.39	≤-16	0.01449	≤25	PASS
NTNV	DH5	Ant1	2441	2483.5~2496.5	2489.12	-48.35	≤-16	0.01462	≤25	PASS
NTNV	DH5	Ant1	2441	2496.5~13000	5179.09	-40.60	≤-26	0.08710	≤2.5	PASS
NTNV	DH5	Ant1	2480	30~1000	456.07	-54.43	≤-26	0.00361	≤2.5	PASS
NTNV	DH5	Ant1	2480	1000~2387	2384.57	-44.94	≤-26	0.03206	≤2.5	PASS
NTNV	DH5	Ant1	2480	2387~2400	2388.31	-54.73	≤-16	0.00337	≤25	PASS
NTNV	DH5	Ant1	2480	2483.5~2496.5	2495.20	-46.61	≤-16	0.02183	≤25	PASS
NTNV	DH5	Ant1	2480	2496.5~13000	4960.62	-40.24	≤-26	0.09462	≤2.5	PASS
NTNV	2DH5	Ant1	2402	30~1000	502.63	-54.24	≤-26	0.00377	≤2.5	PASS
NTNV	2DH5	Ant1	2402	1000~2387	2377.98	-42.11	≤-26	0.06152	≤2.5	PASS
NTNV	2DH5	Ant1	2402	2387~2400	2399.99	-27.71	≤-16	1.69434	≤25	PASS
NTNV	2DH5	Ant1	2402	2483.5~2496.5	2496.38	-47.32	≤-16	0.01854	≤25	PASS
NTNV	2DH5	Ant1	2402	2496.5~13000	5186.97	-43.23	≤-26	0.04753	≤2.5	PASS
NTNV	2DH5	Ant1	2441	30~1000	502.63	-54.35	≤-26	0.00367	≤2.5	PASS
NTNV	2DH5	Ant1	2441	1000~2387	2344.35	-47.50	≤-26	0.01778	≤2.5	PASS
NTNV	2DH5	Ant1	2441	2387~2400	2393.29	-48.51	≤-16	0.01409	≤25	PASS
NTNV	2DH5	Ant1	2441	2483.5~2496.5	2488.96	-48.56	≤-16	0.01393	≤25	PASS
NTNV	2DH5	Ant1	2441	2496.5~13000	4882.37	-42.26	≤-26	0.05943	≤2.5	PASS
NTNV	2DH5	Ant1	2480	30~1000	503.60	-54.07	≤-26	0.00392	≤2.5	PASS
NTNV	2DH5	Ant1	2480	1000~2387	2384.23	-43.97	≤-26	0.04009	≤2.5	PASS
NTNV	2DH5	Ant1	2480	2387~2400	2388.46	-56.72	≤-16	0.00213	≤25	PASS
NTNV	2DH5	Ant1	2480	2483.5~2496.5	2483.54	-45.36	≤-16	0.02911	≤25	PASS
NTNV	2DH5	Ant1	2480	2496.5~13000	4960.10	-40.58	≤-26	0.08750	≤2.5	PASS
NTNV	3DH5	Ant1	2402	30~1000	456.07	-54.56	≤-26	0.00350	≤2.5	PASS
NTNV	3DH5	Ant1	2402	1000~2387	2377.98	-42.35	≤-26	0.05821	≤2.5	PASS
NTNV	3DH5	Ant1	2402	2387~2400	2400.00	-26.88	≤-16	2.05116	≤25	PASS
NTNV	3DH5	Ant1	2402	2483.5~2496.5	2496.39	-47.54	≤-16	0.01762	≤25	PASS
NTNV	3DH5	Ant1	2402	2496.5~13000	4804.12	-43.66	≤-26	0.04305	≤2.5	PASS



NTNV	3DH5	Ant1	2441	30~1000	551.62	-54.48	≤-26	0.00356	≤2.5	PASS
NTNV	3DH5	Ant1	2441	1000~2387	2297.19	-52.55	≤-26	0.00556	≤2.5	PASS
NTNV	3DH5	Ant1	2441	2387~2400	2392.85	-48.34	≤-16	0.01466	≤25	PASS
NTNV	3DH5	Ant1	2441	2483.5~2496.5	2488.91	-48.28	≤-16	0.01486	≤25	PASS
NTNV	3DH5	Ant1	2441	2496.5~13000	5181.19	-37.67	≤-26	0.17100	≤2.5	PASS
NTNV	3DH5	Ant1	2480	30~1000	503.60	-53.55	≤-26	0.00442	≤2.5	PASS
NTNV	3DH5	Ant1	2480	1000~2387	2384.23	-44.17	≤-26	0.03828	≤2.5	PASS
NTNV	3DH5	Ant1	2480	2387~2400	2387.06	-55.12	≤-16	0.00308	≤25	PASS
NTNV	3DH5	Ant1	2480	2483.5~2496.5	2483.52	-45.90	≤-16	0.02570	≤25	PASS
NTNV	3DH5	Ant1	2480	2496.5~13000	4960.10	-40.29	≤-26	0.09354	≤2.5	PASS

Test Graphs

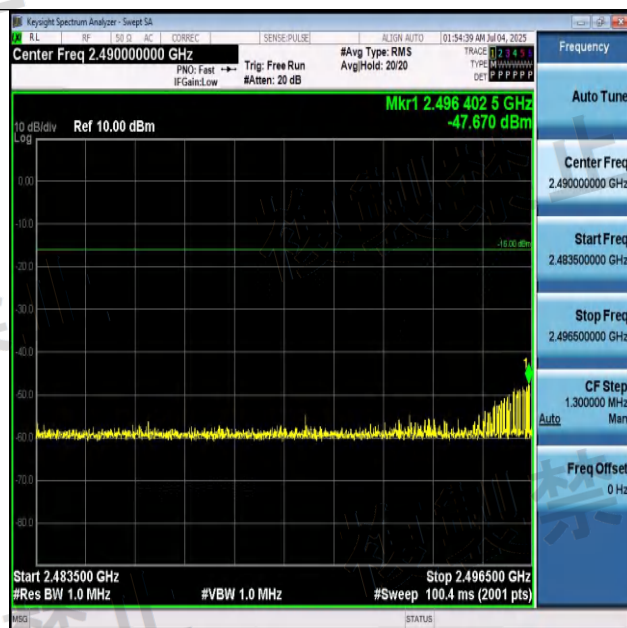




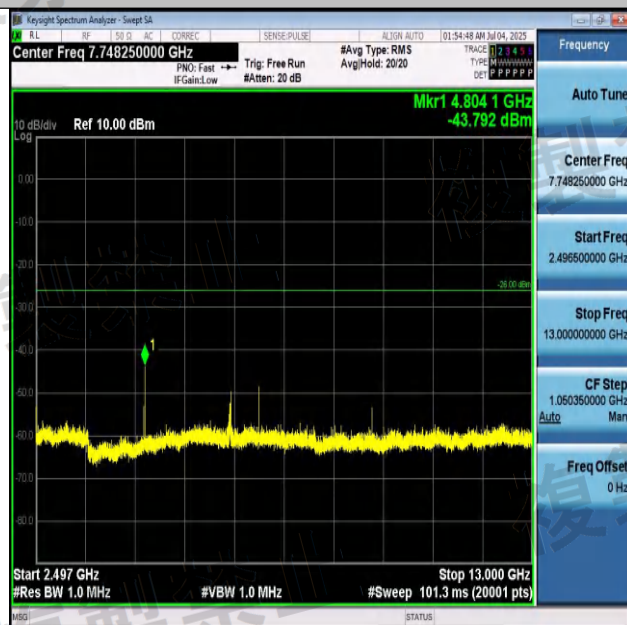
NTNV-DH5-Ant1-2402-1000~2387-PASS

NTNV-DH5-Ant1-2402-2387~2400-PASS



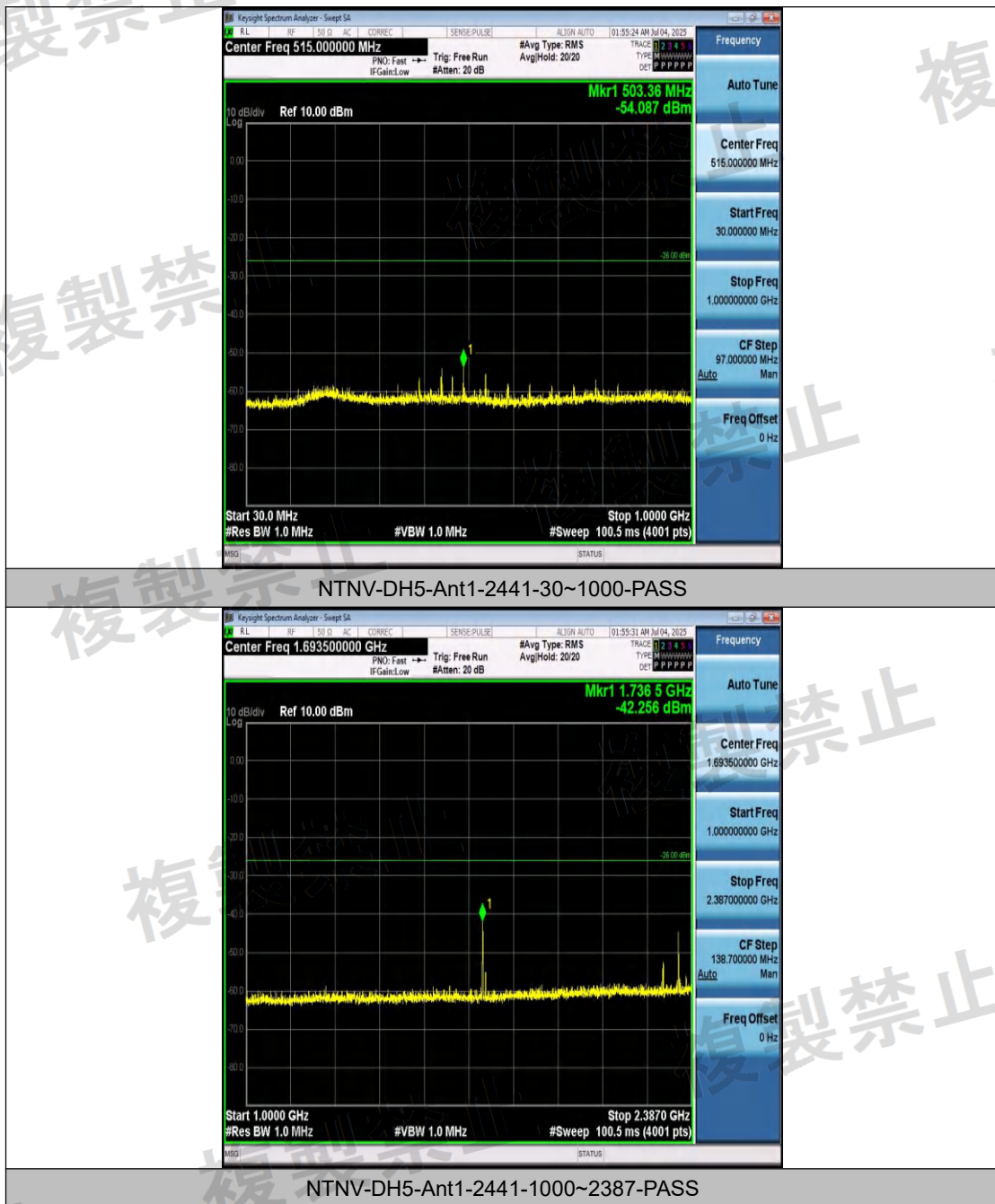


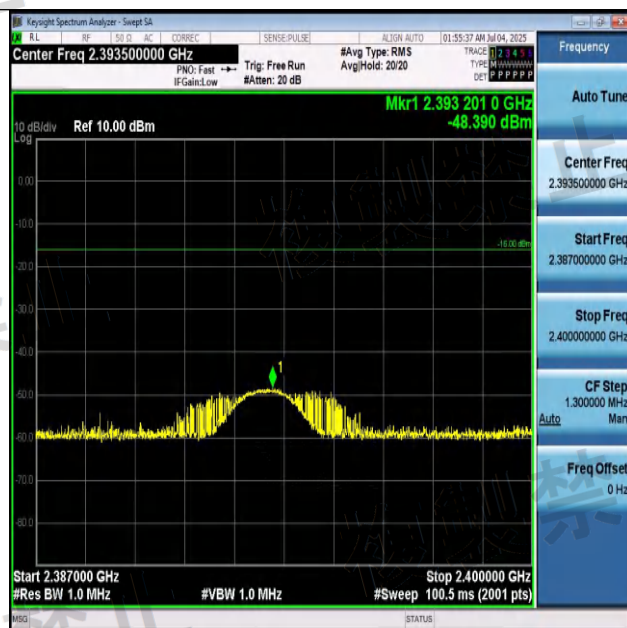
NTNV-DH5-Ant1-2402-2483.5~2496.5-PASS



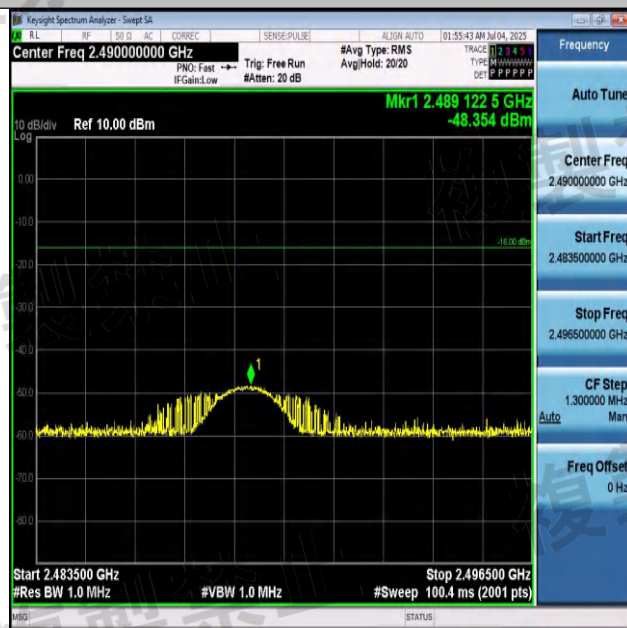
NTNV-DH5-Ant1-2402-2496.5~13000-PASS





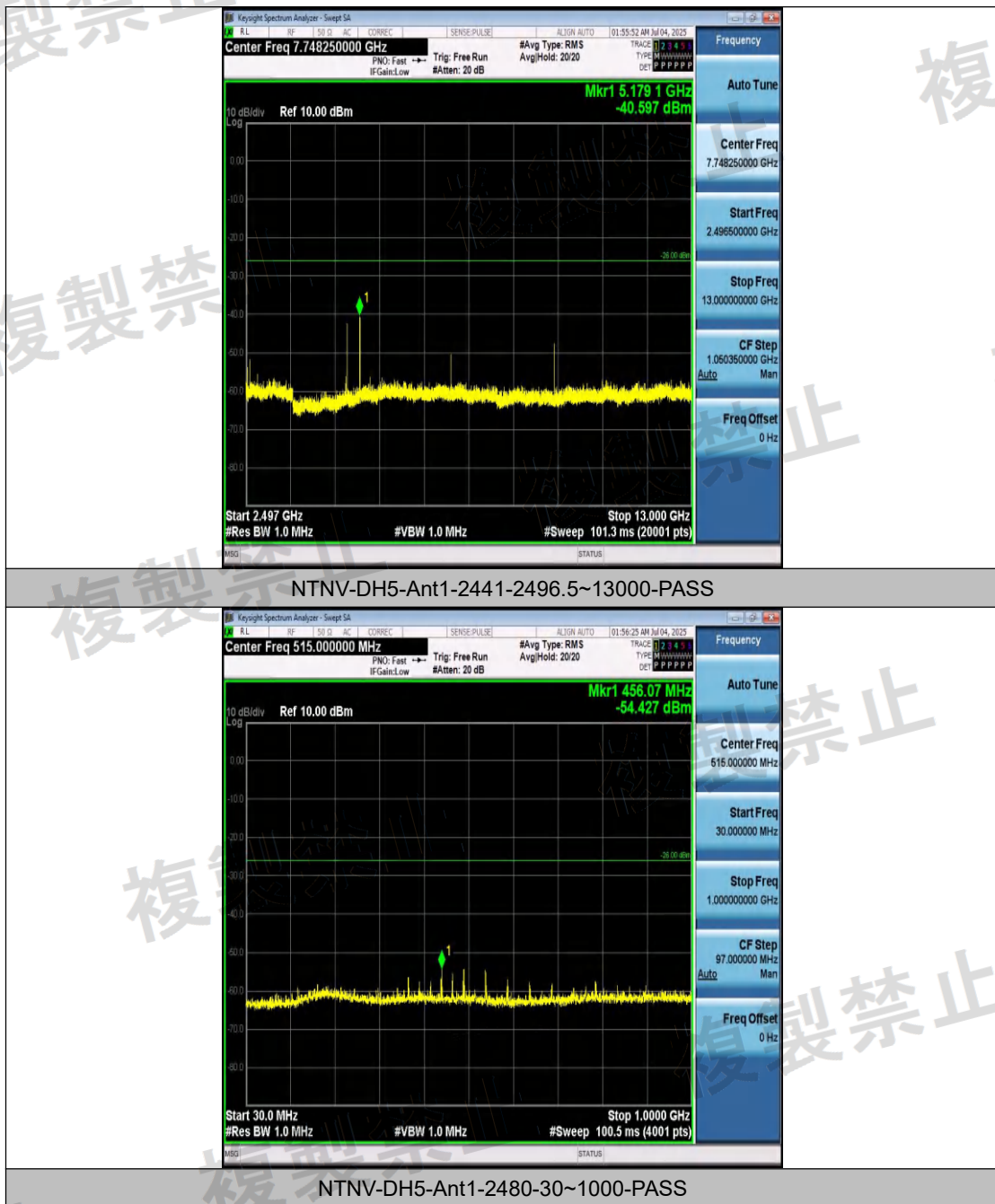


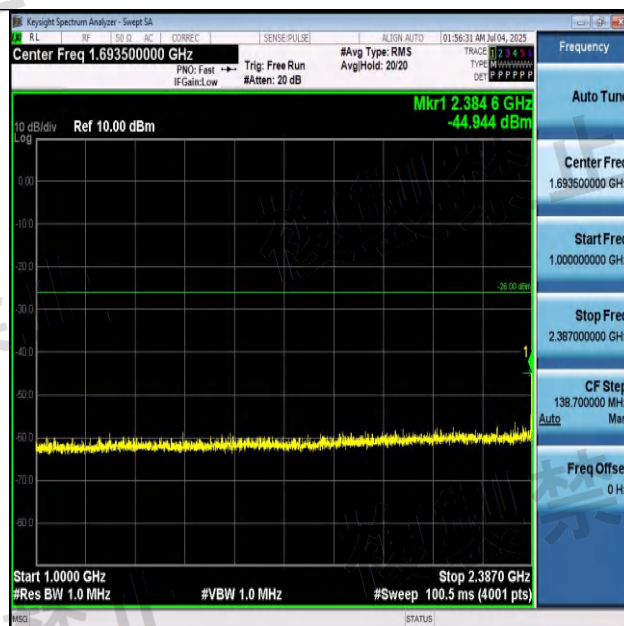
NTNV-DH5-Ant1-2441-2387~2400-PASS



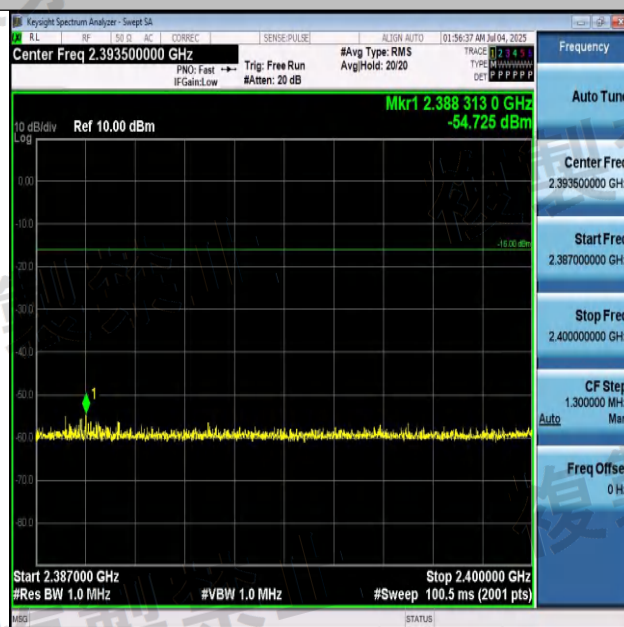
NTNV-DH5-Ant1-2441-2483.5~2496.5-PASS





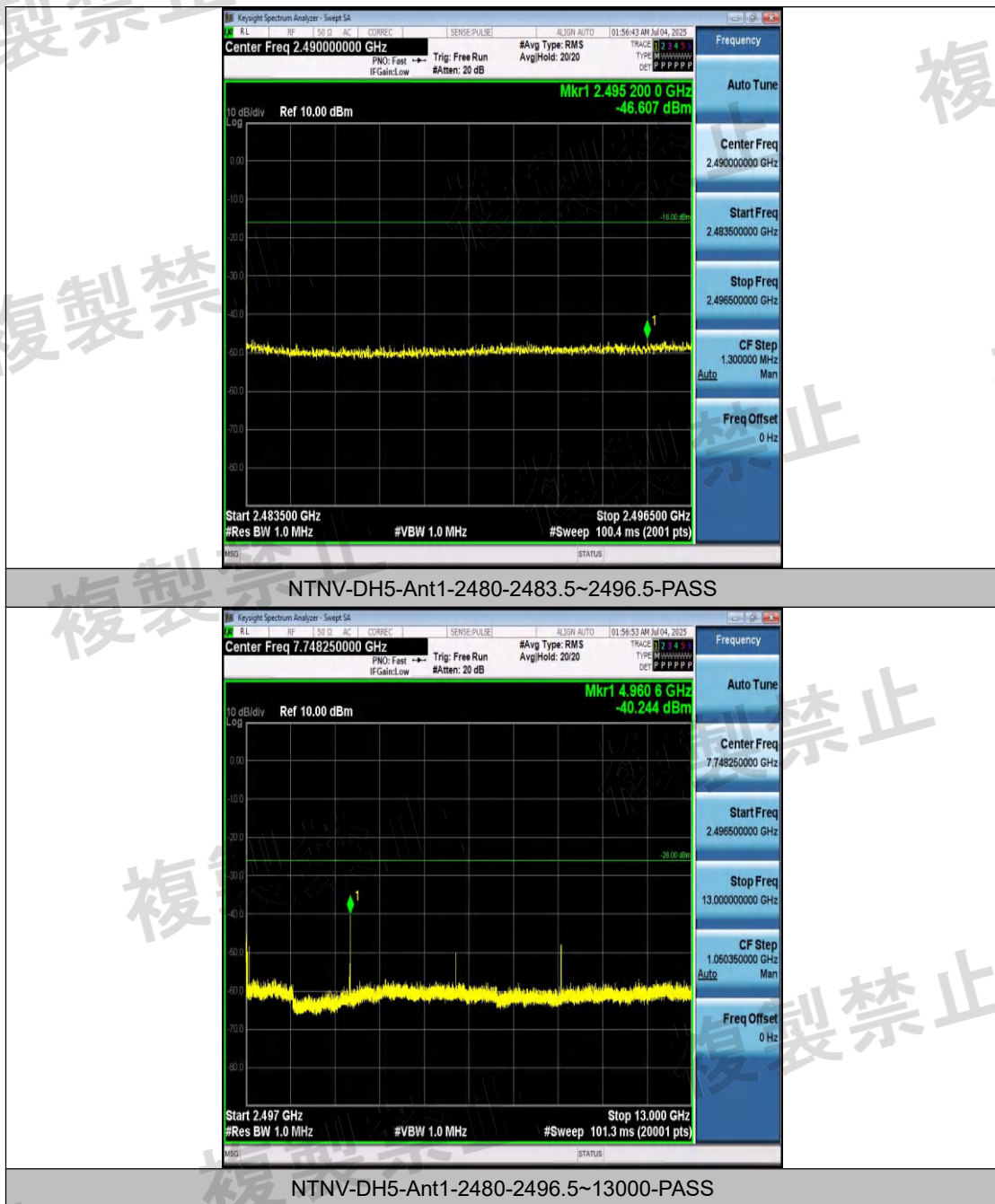


NTNV-DH5-Ant1-2480-1000~2387-PASS



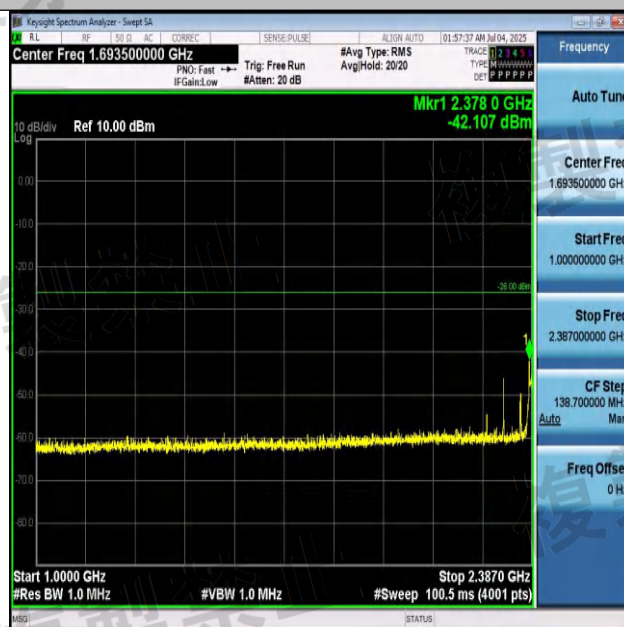
NTNV-DH5-Ant1-2480-2387~2400-PASS





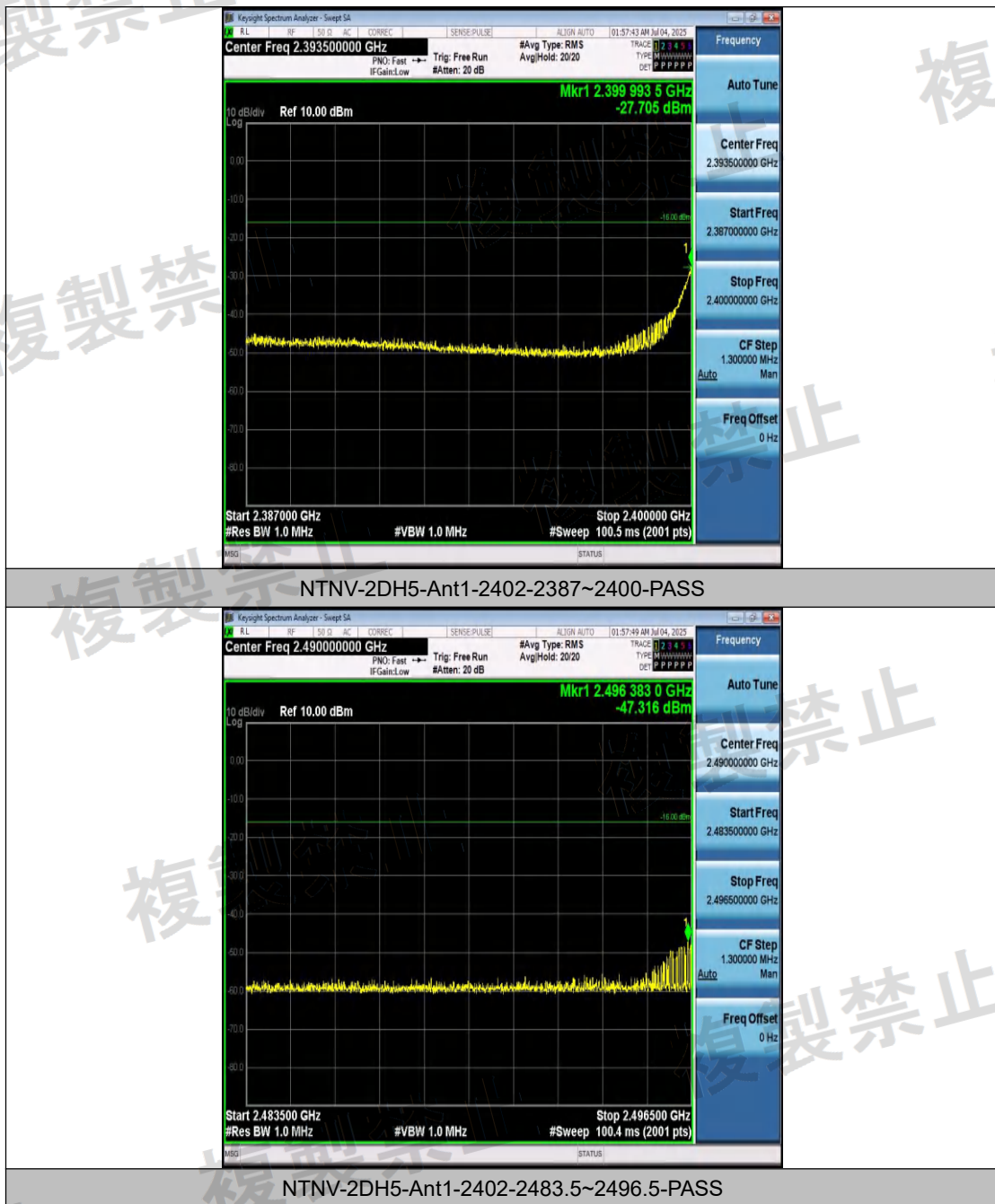


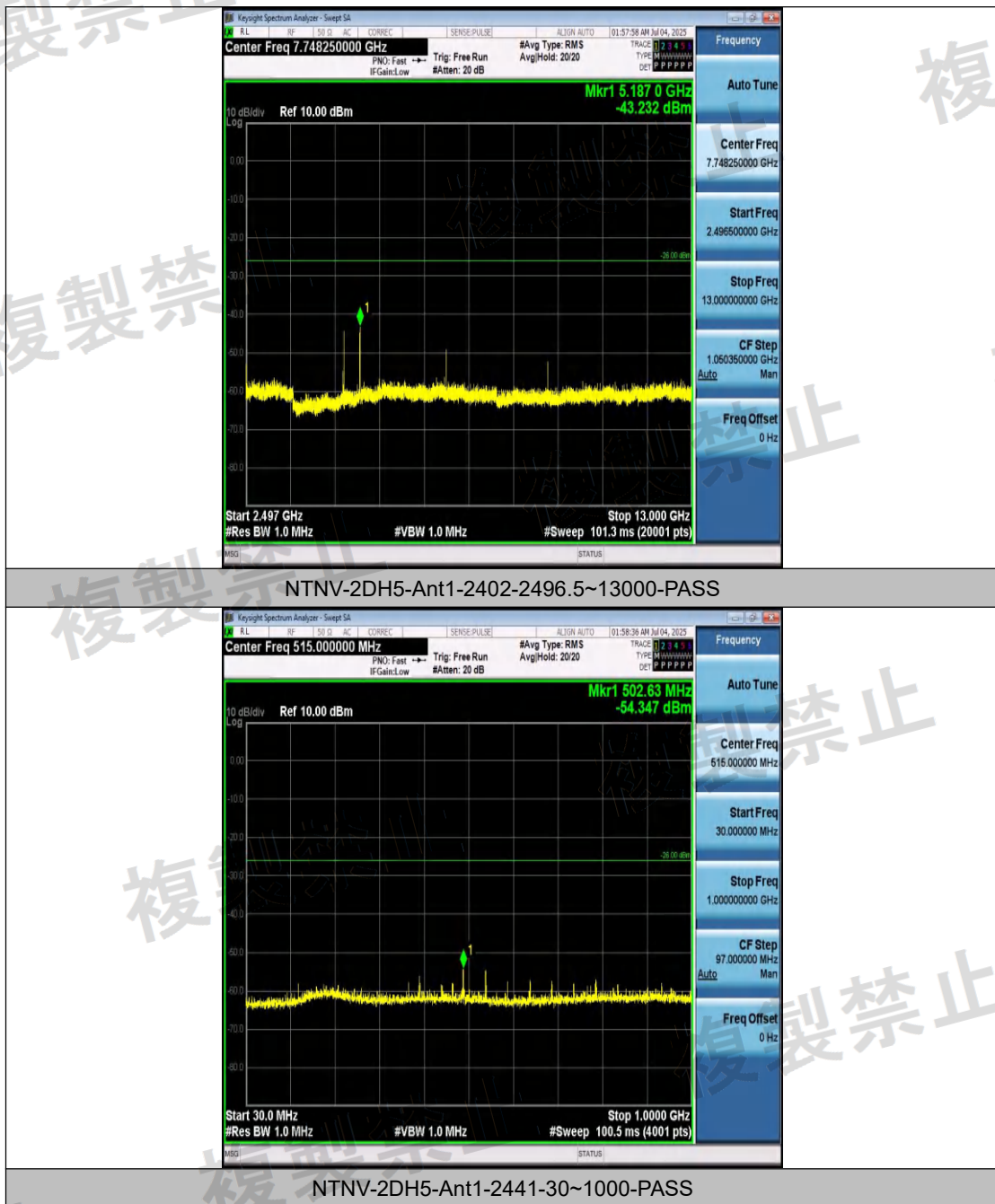
NTNV-2DH5-Ant1-2402-30~1000-PASS

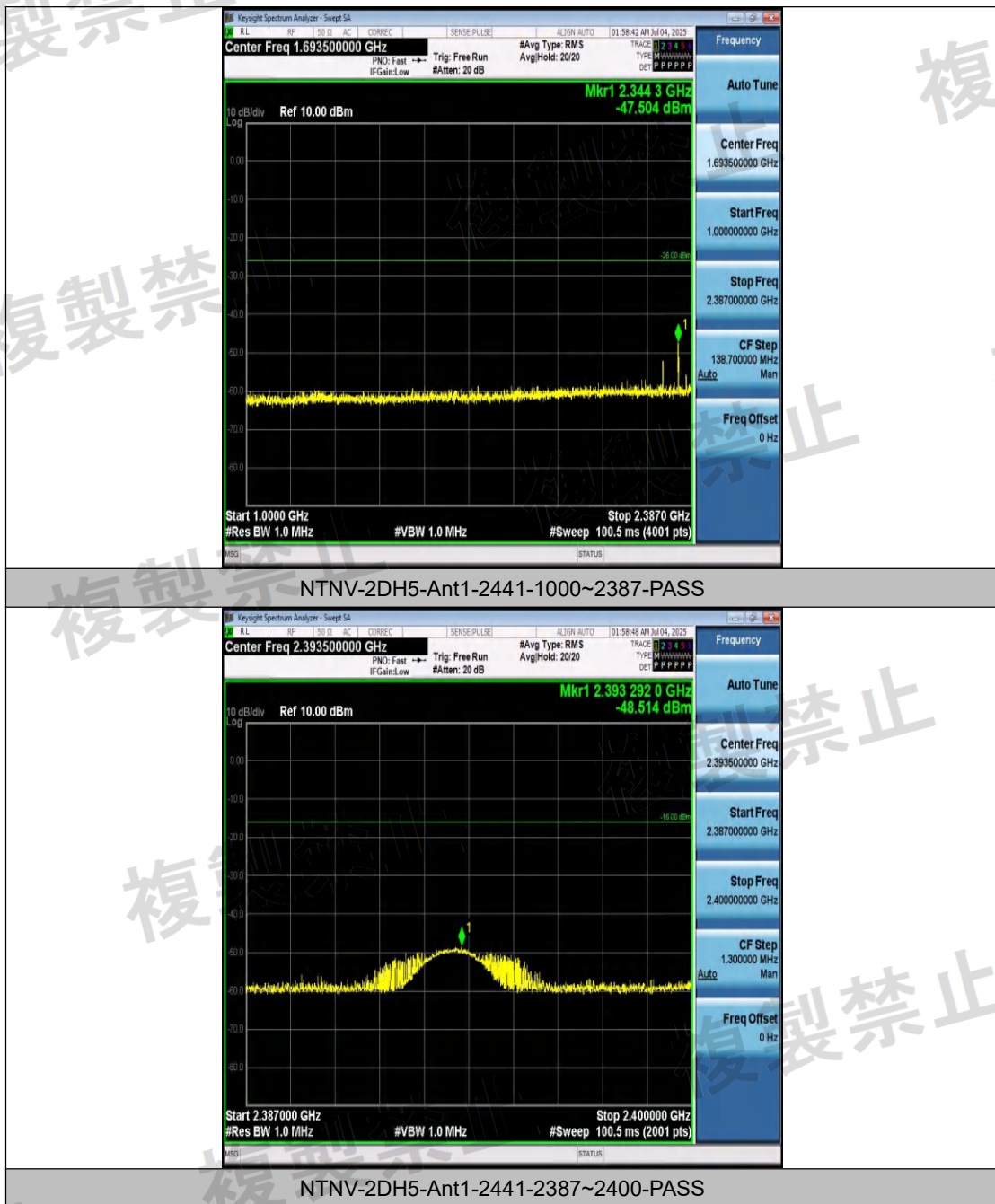


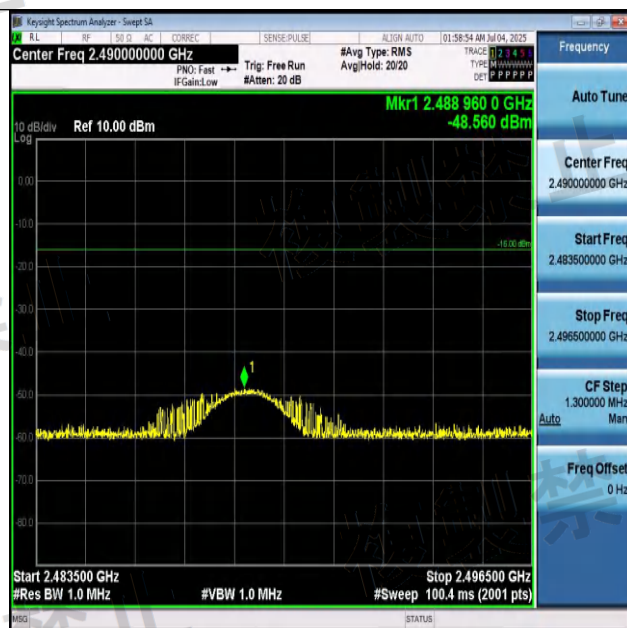
NTNV-2DH5-Ant1-2402-1000~2387-PASS



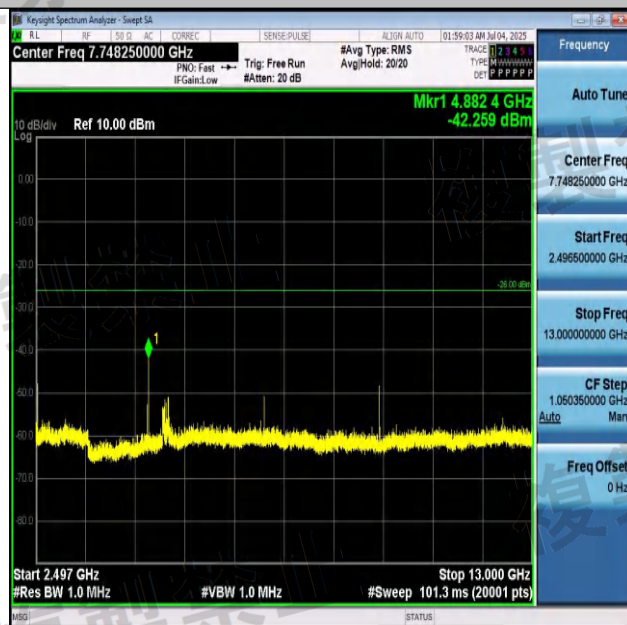






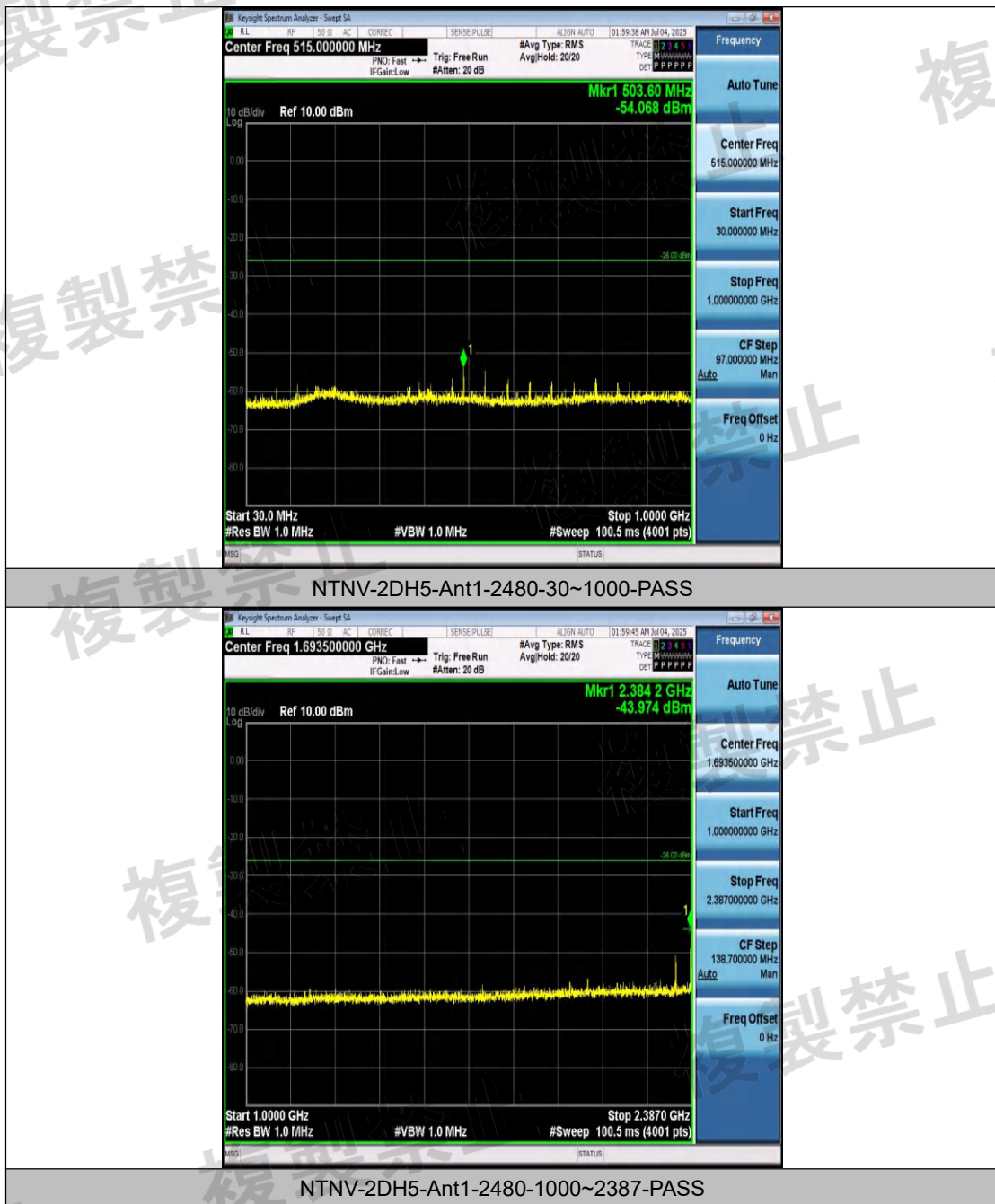


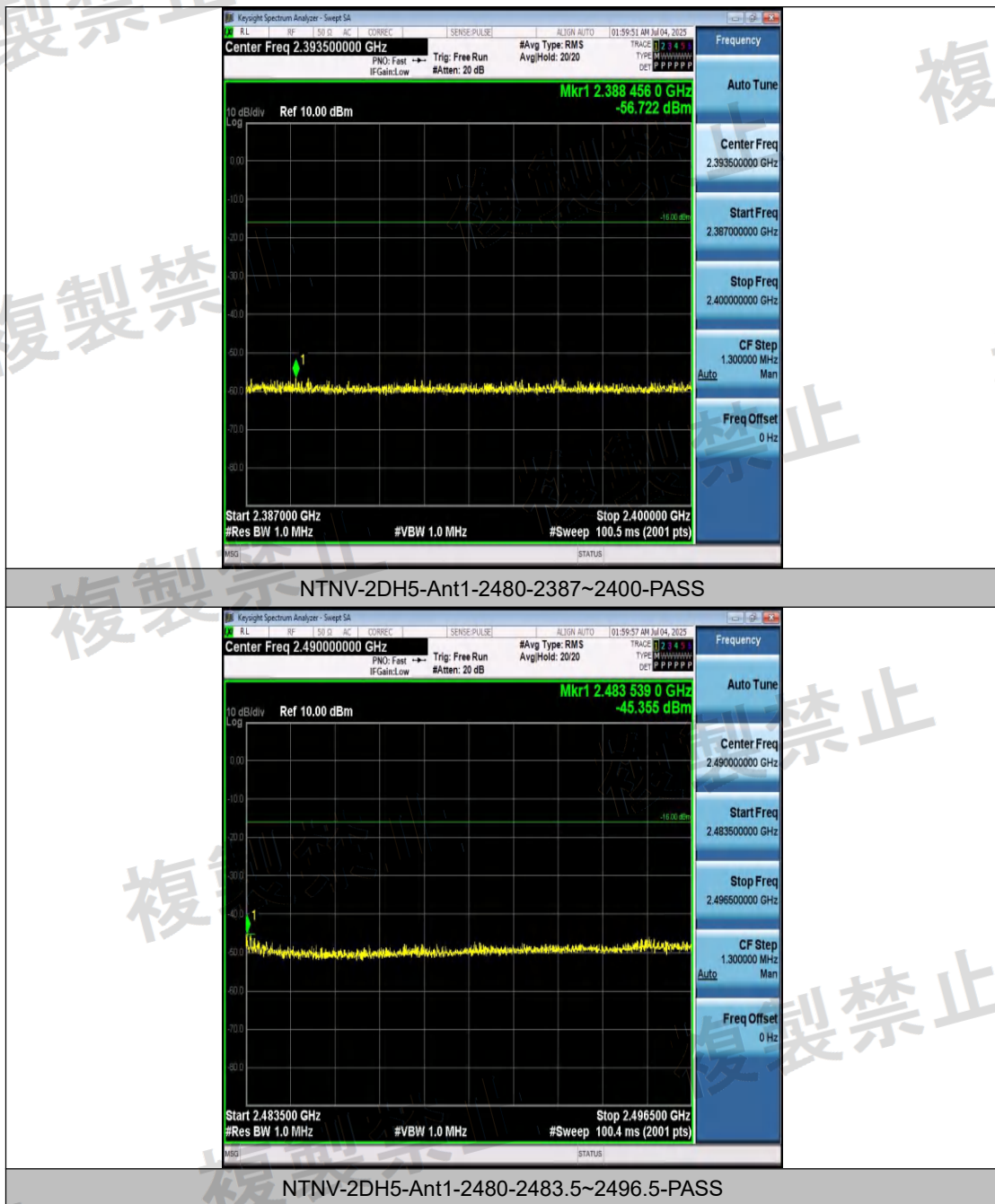
NTNV-2DH5-Ant1-2441-2483.5~2496.5-PASS

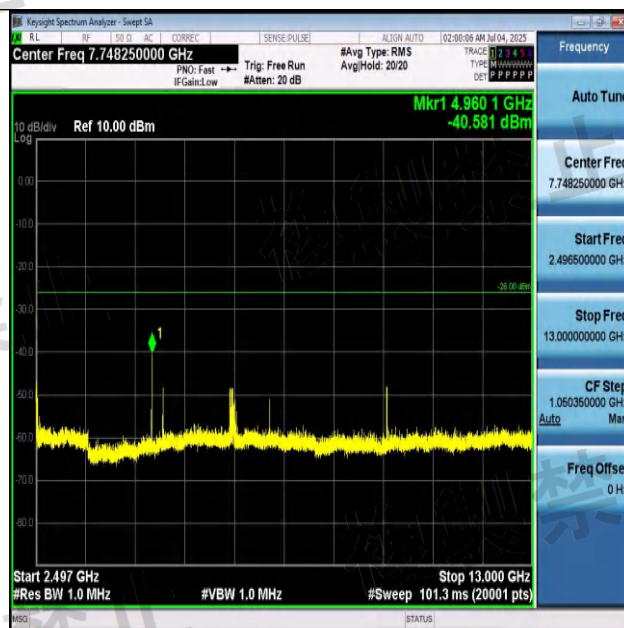


NTNV-2DH5-Ant1-2441-2496.5~13000-PASS

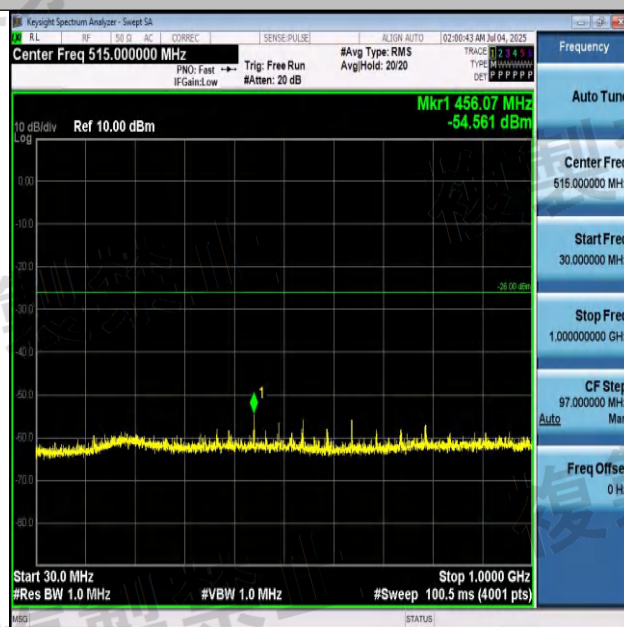






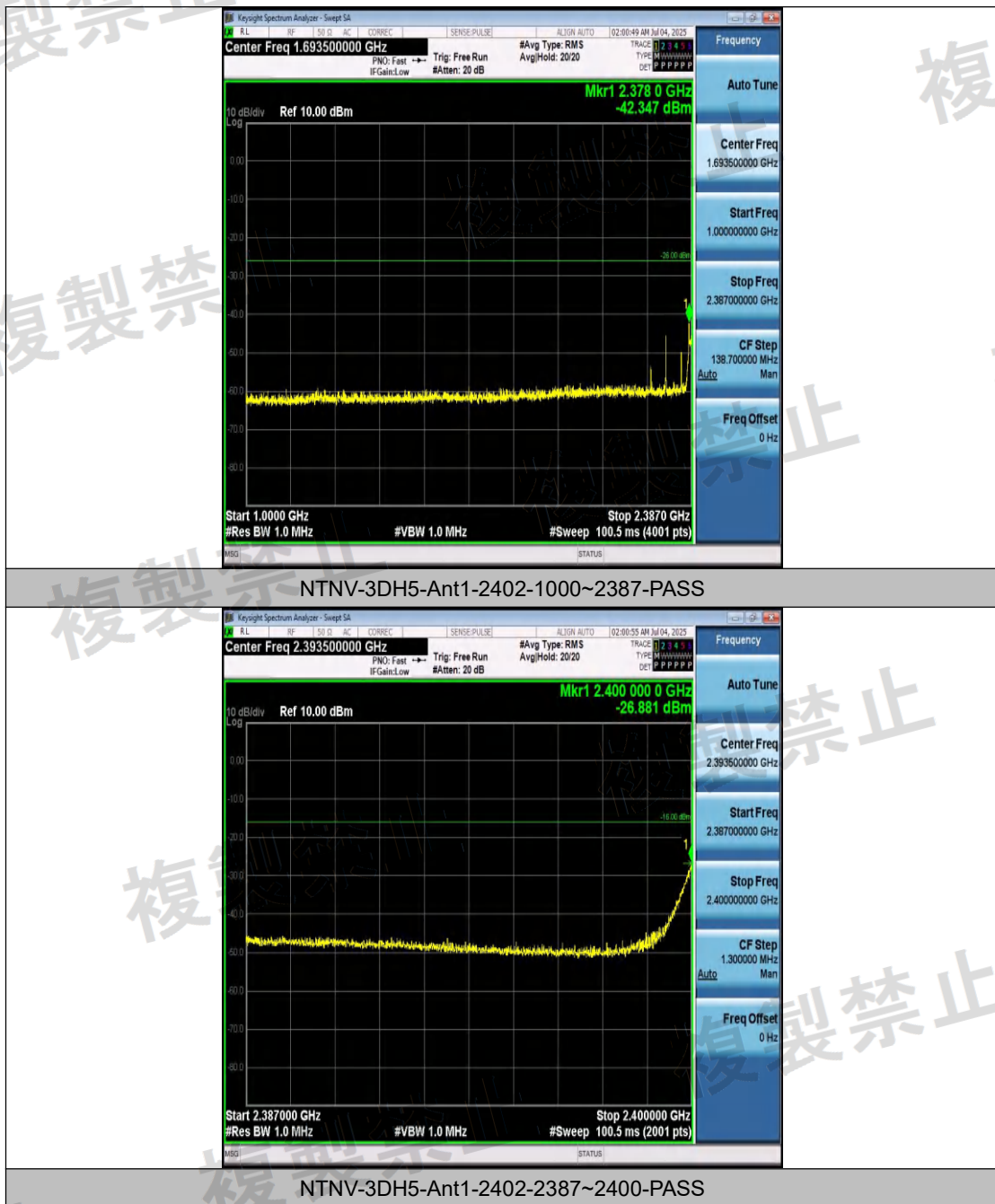


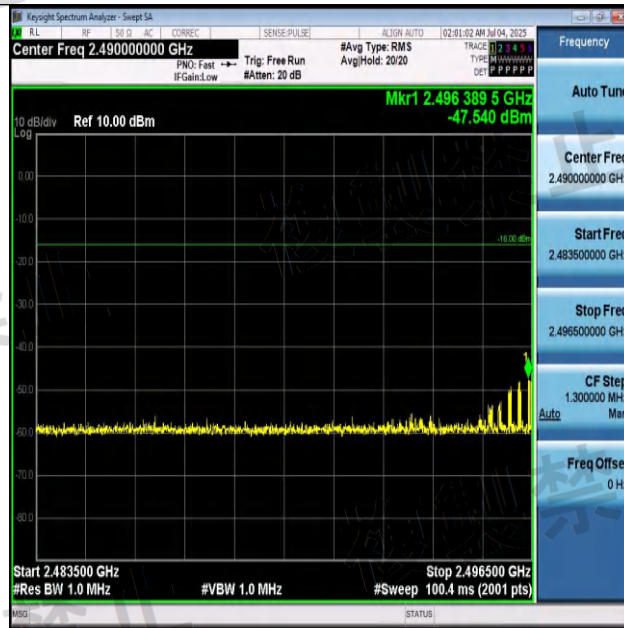
NTNV-2DH5-Ant1-2480-2496.5~13000-PASS

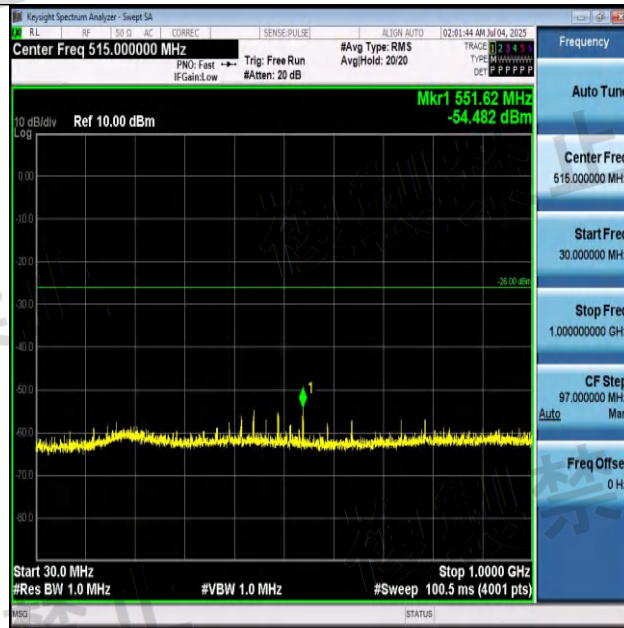


NTNV-3DH5-Ant1-2402-30~1000-PASS

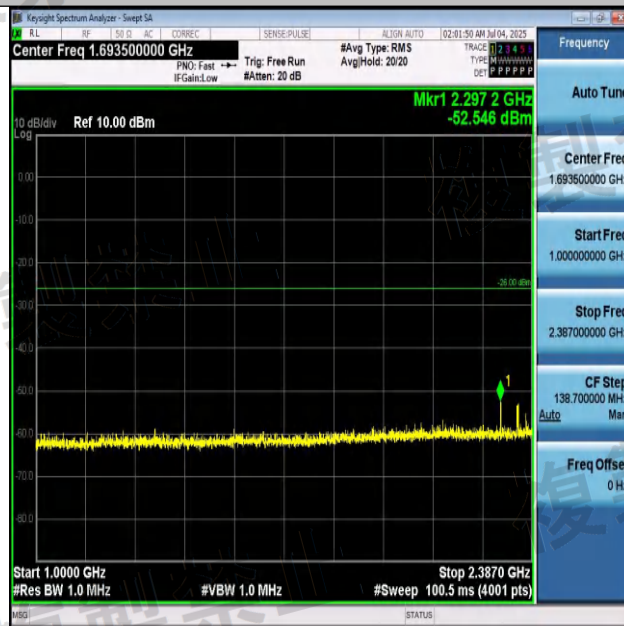






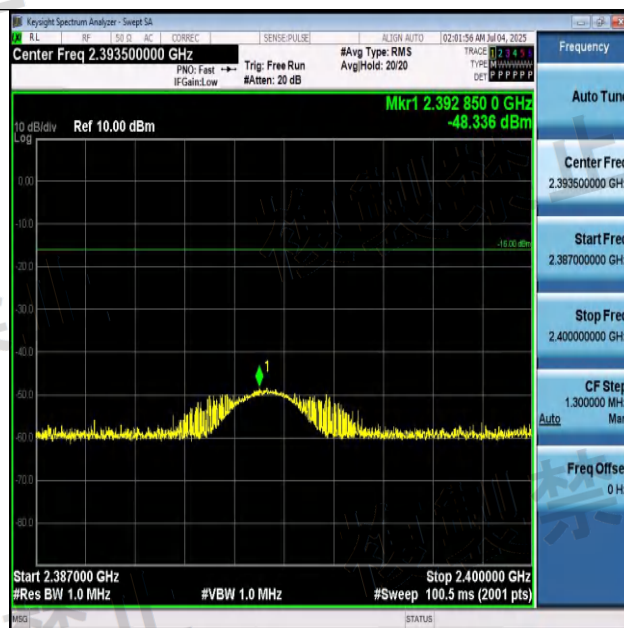


NTNV-3DH5-Ant1-2441-30~1000-PASS

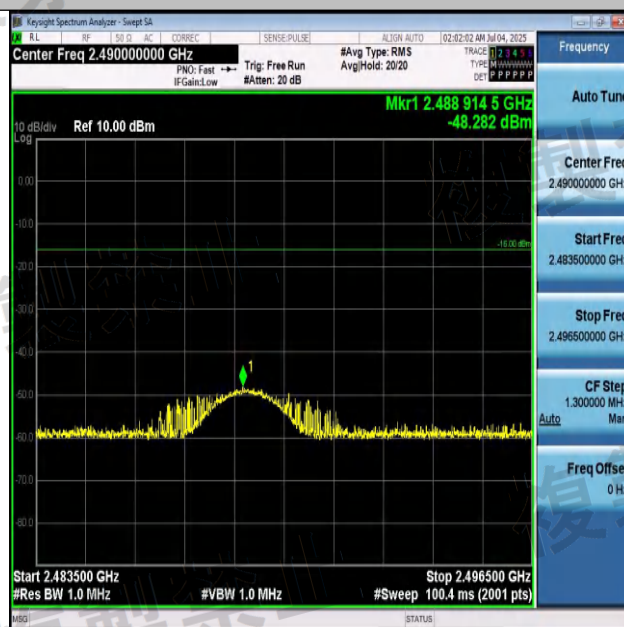


NTNV-3DH5-Ant1-2441-1000~2387-PASS



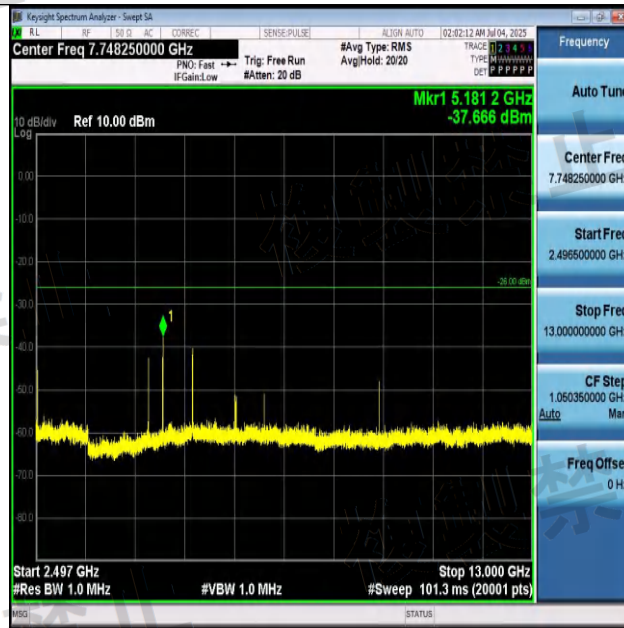


NTNV-3DH5-Ant1-2441-2387~2400-PASS

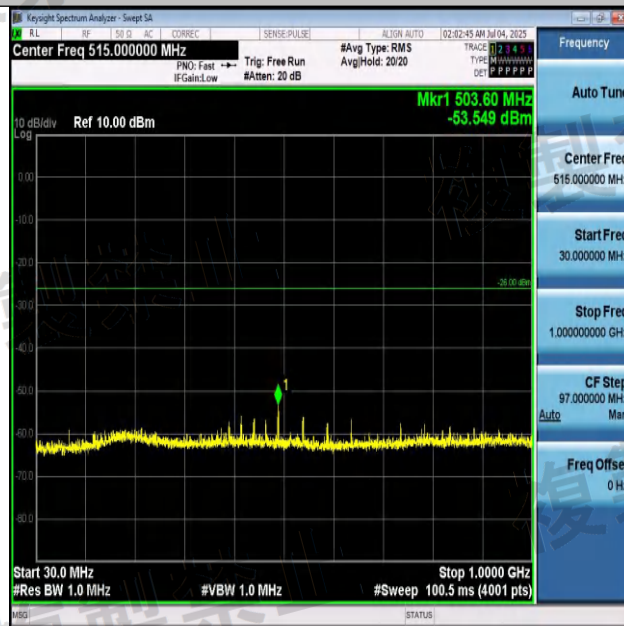


NTNV-3DH5-Ant1-2441-2483.5~2496.5-PASS





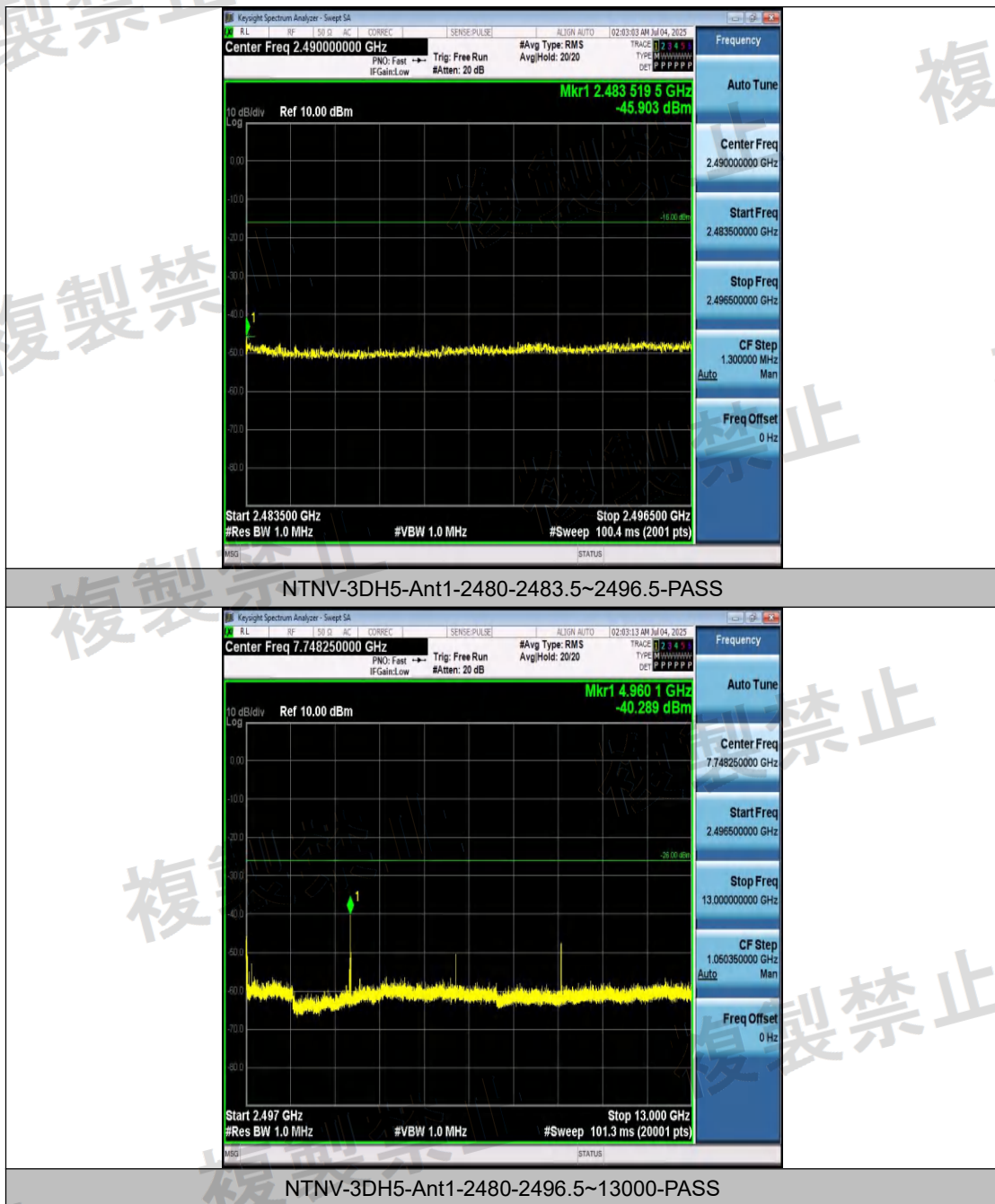
NTNV-3DH5-Ant1-2441-2496.5~13000-PASS



NTNV-3DH5-Ant1-2480-30~1000-PASS







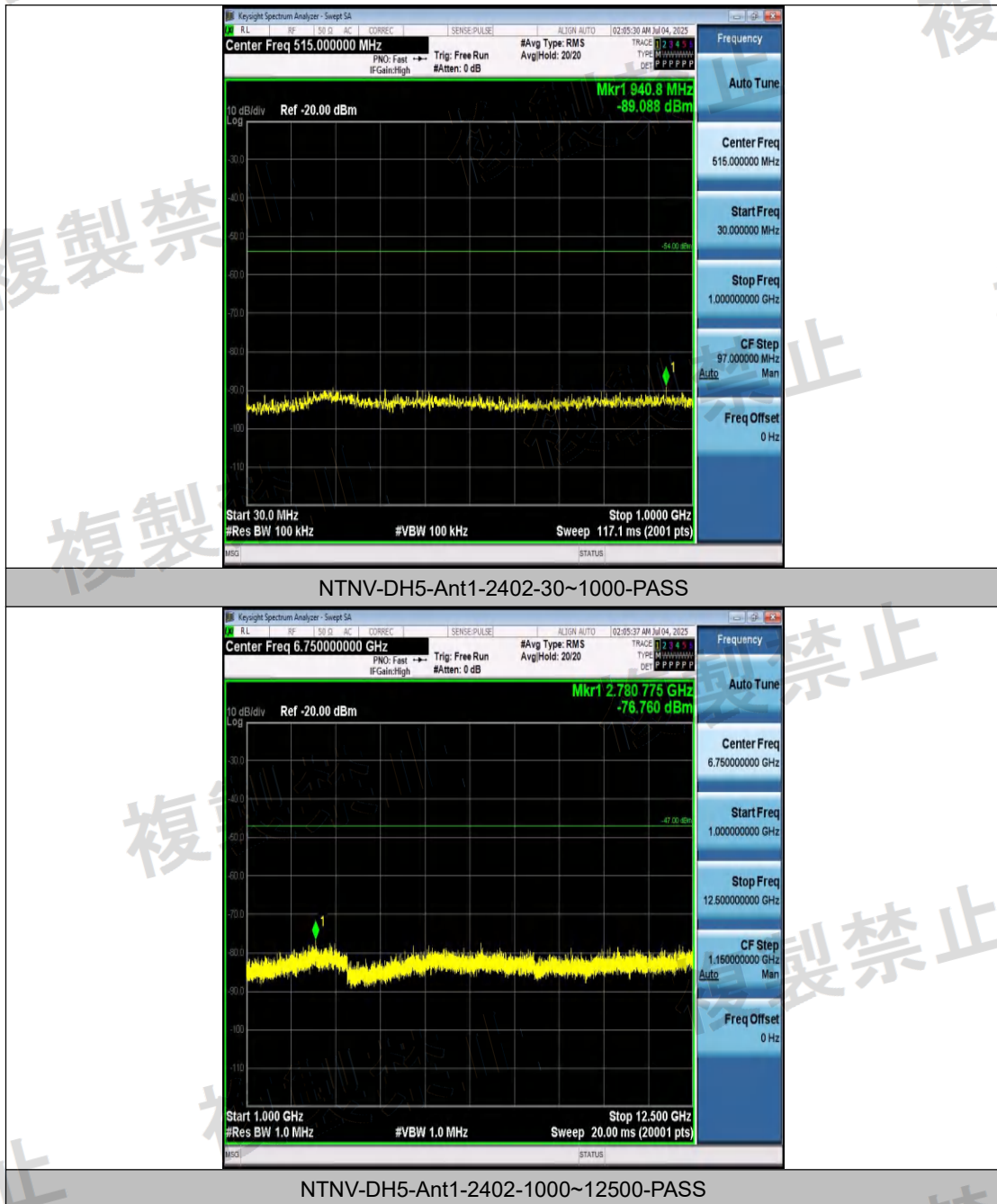
Appendix F: Spurious Emission of RX

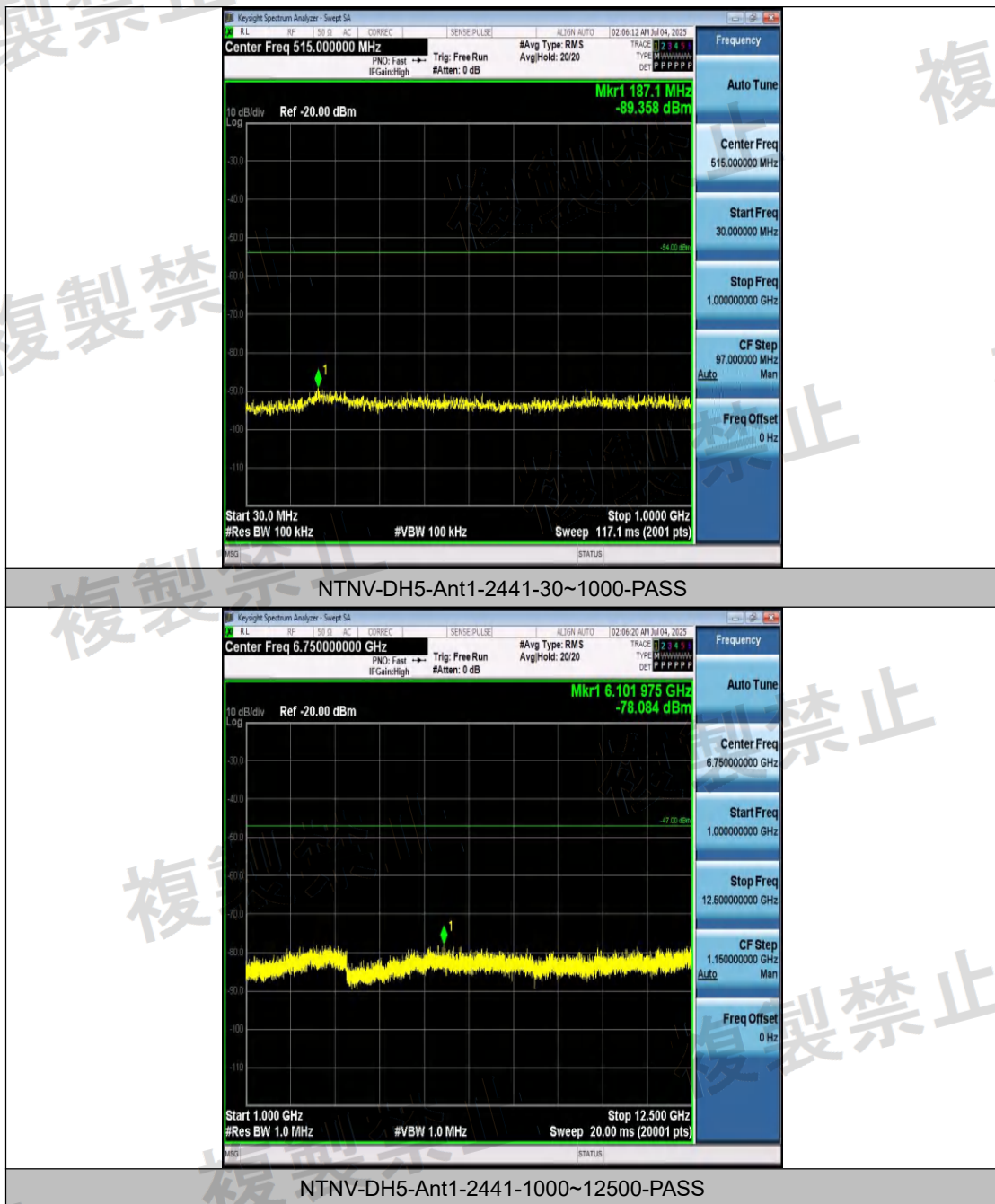
Test Result

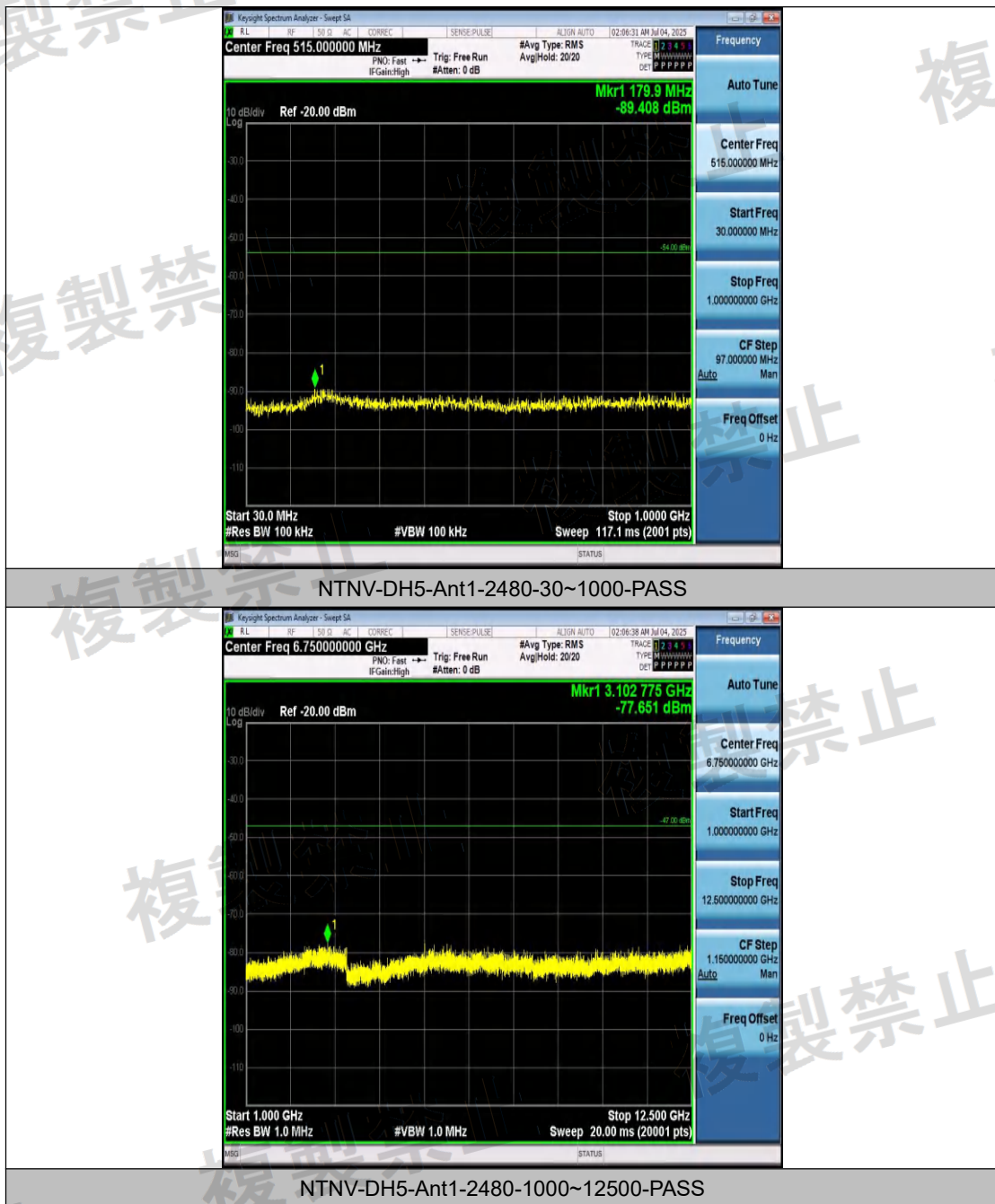
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	940.83	-89.09	≤-54	0.00123	≤4	PASS
NTNV	DH5	Ant1	2402	1000~12500	2780.78	-76.76	≤-47	0.02109	≤20	PASS
NTNV	DH5	Ant1	2441	30~1000	187.14	-89.36	≤-54	0.00116	≤4	PASS
NTNV	DH5	Ant1	2441	1000~12500	6101.98	-78.08	≤-47	0.01556	≤20	PASS
NTNV	DH5	Ant1	2480	30~1000	179.87	-89.41	≤-54	0.00115	≤4	PASS
NTNV	DH5	Ant1	2480	1000~12500	3102.78	-77.65	≤-47	0.01718	≤20	PASS
NTNV	2DH5	Ant1	2402	30~1000	186.66	-89.36	≤-54	0.00116	≤4	PASS
NTNV	2DH5	Ant1	2402	1000~12500	3182.13	-77.28	≤-47	0.01871	≤20	PASS
NTNV	2DH5	Ant1	2441	30~1000	219.15	-89.60	≤-54	0.00110	≤4	PASS
NTNV	2DH5	Ant1	2441	1000~12500	5760.43	-77.31	≤-47	0.01858	≤20	PASS
NTNV	2DH5	Ant1	2480	30~1000	206.06	-88.63	≤-54	0.00137	≤4	PASS
NTNV	2DH5	Ant1	2480	1000~12500	3027.45	-77.66	≤-47	0.01714	≤20	PASS
NTNV	3DH5	Ant1	2402	30~1000	199.27	-88.97	≤-54	0.00127	≤4	PASS
NTNV	3DH5	Ant1	2402	1000~12500	3124.63	-77.46	≤-47	0.01795	≤20	PASS
NTNV	3DH5	Ant1	2441	30~1000	201.69	-89.67	≤-54	0.00108	≤4	PASS
NTNV	3DH5	Ant1	2441	1000~12500	3076.33	-77.08	≤-47	0.01959	≤20	PASS
NTNV	3DH5	Ant1	2480	30~1000	202.66	-88.47	≤-54	0.00142	≤4	PASS
NTNV	3DH5	Ant1	2480	1000~12500	12448.83	-77.29	≤-47	0.01866	≤20	PASS

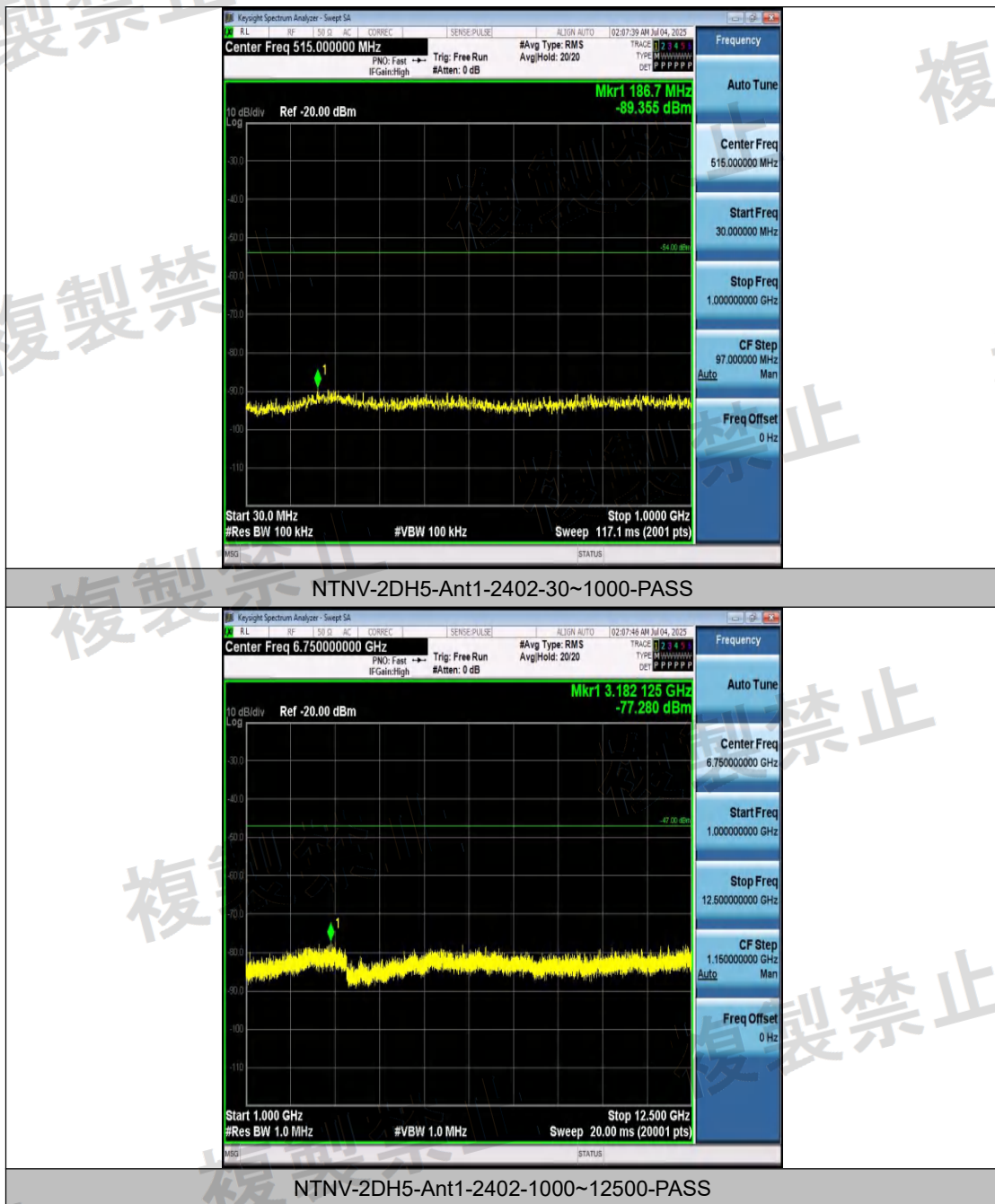


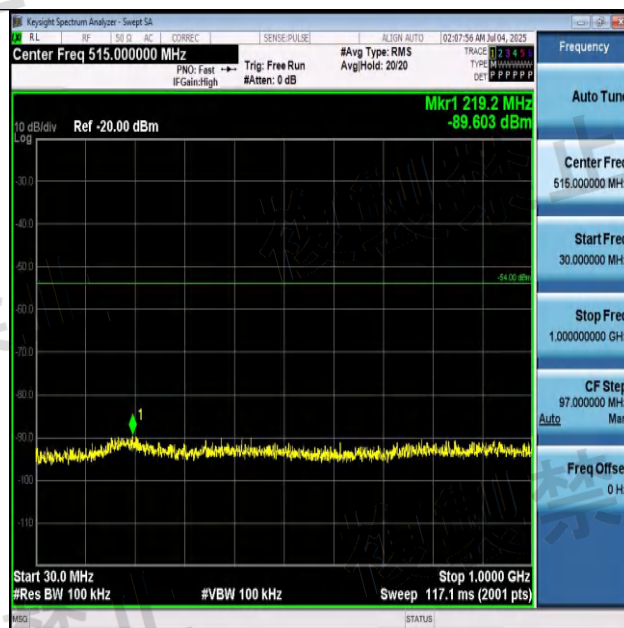
Test Graphs



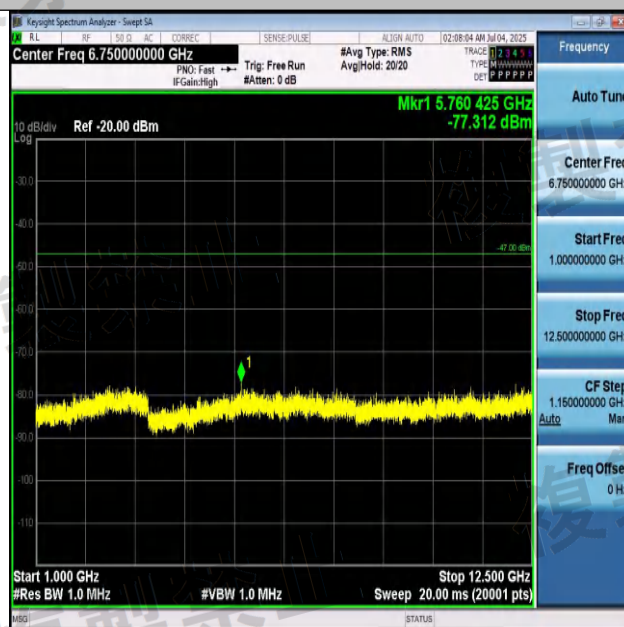






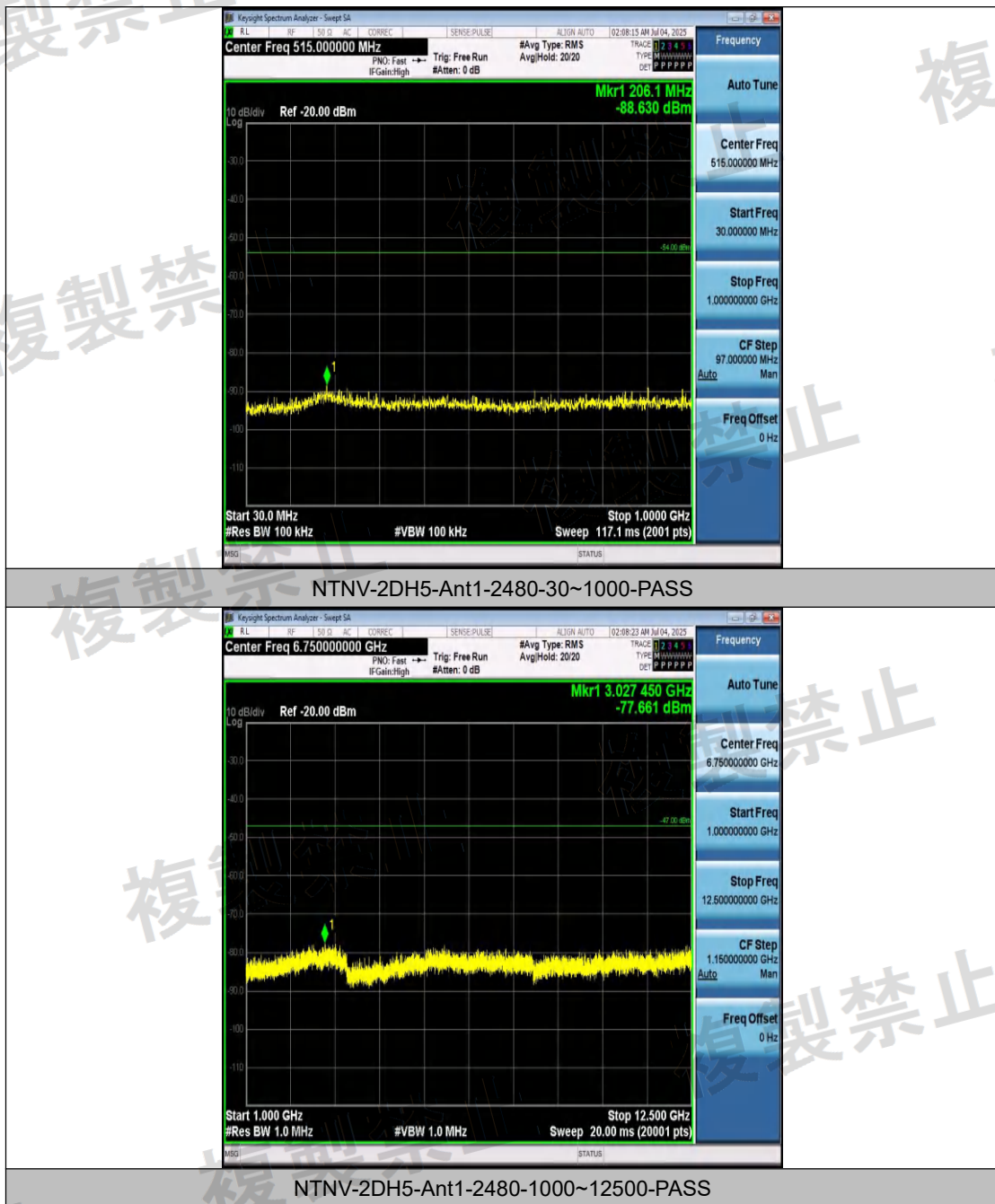


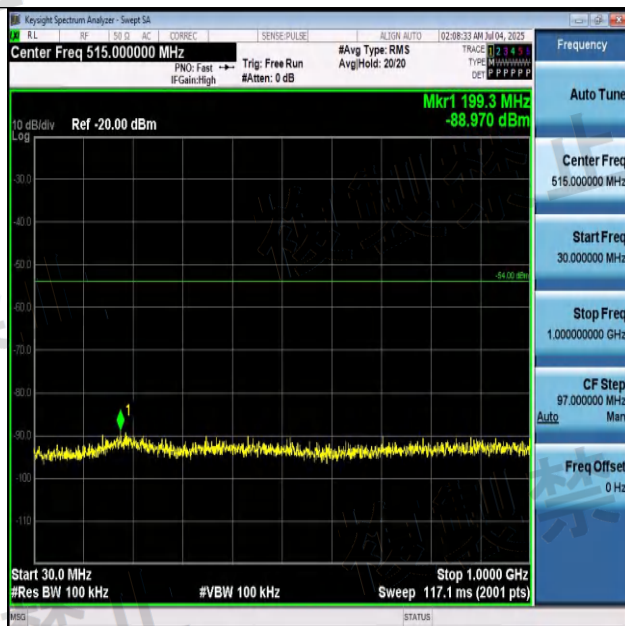
NTNV-2DH5-Ant1-2441-30~1000-PASS



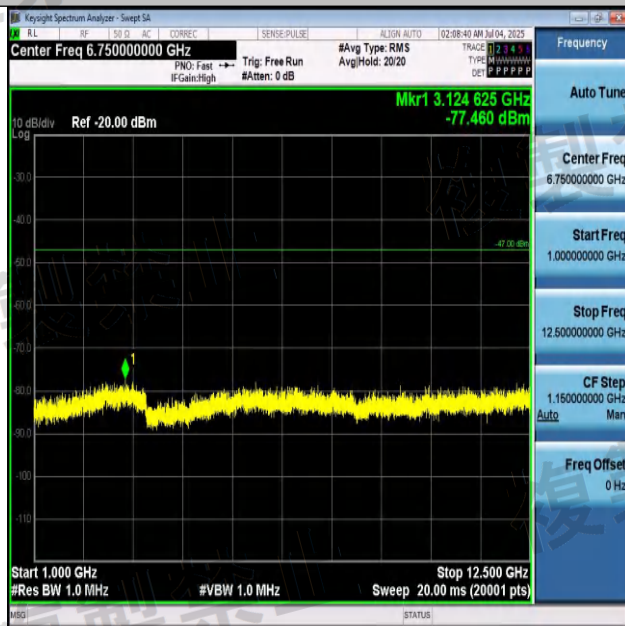
NTNV-2DH5-Ant1-2441-1000~12500-PASS





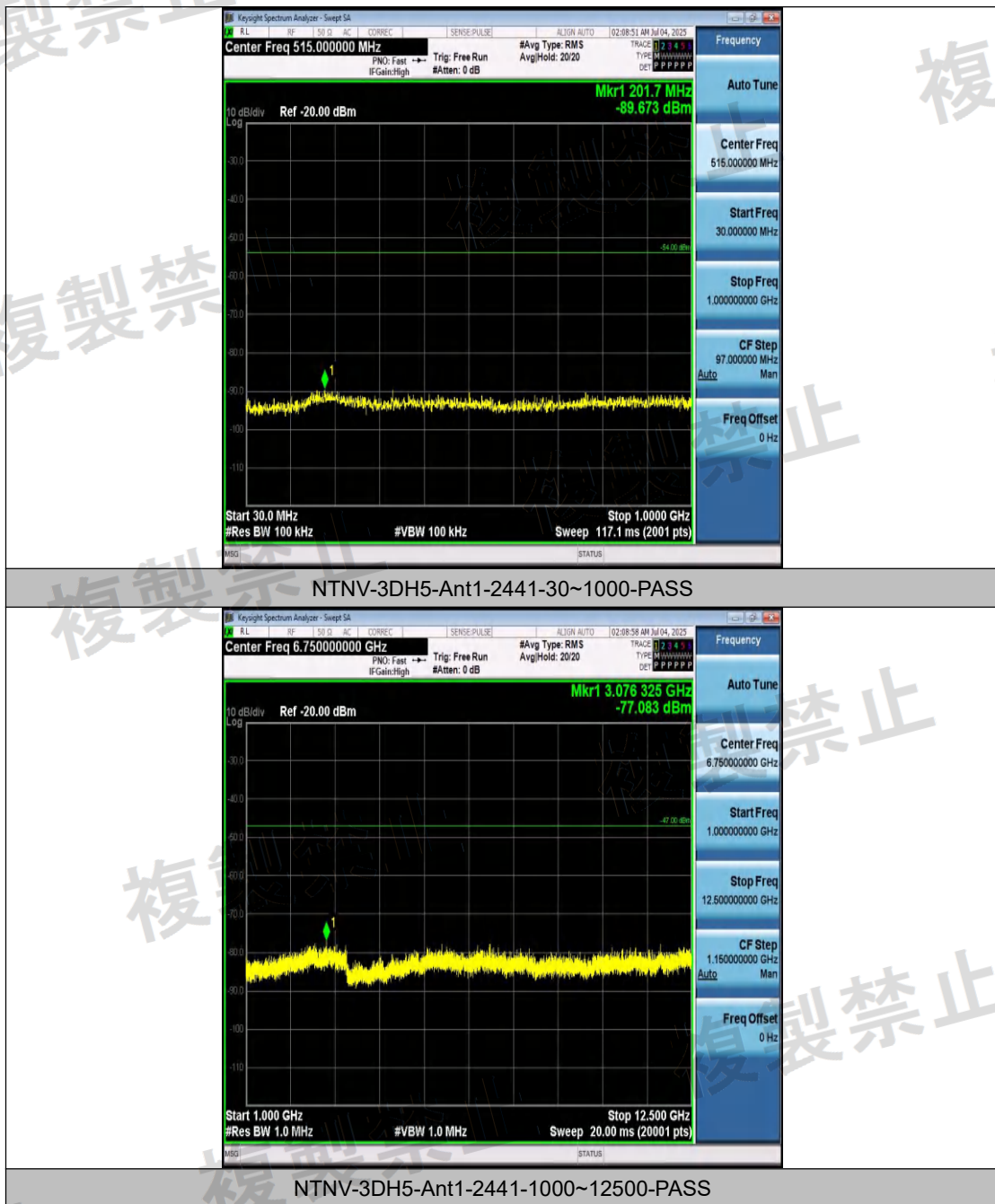


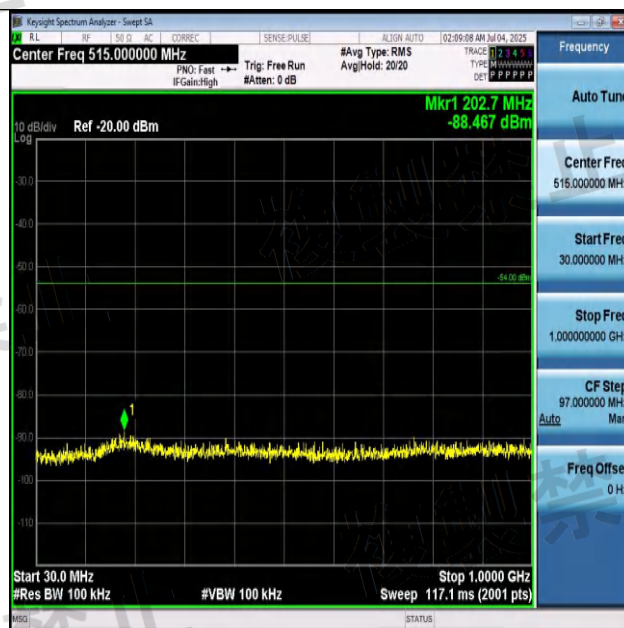
NTNV-3DH5-Ant1-2402-30~1000-PASS



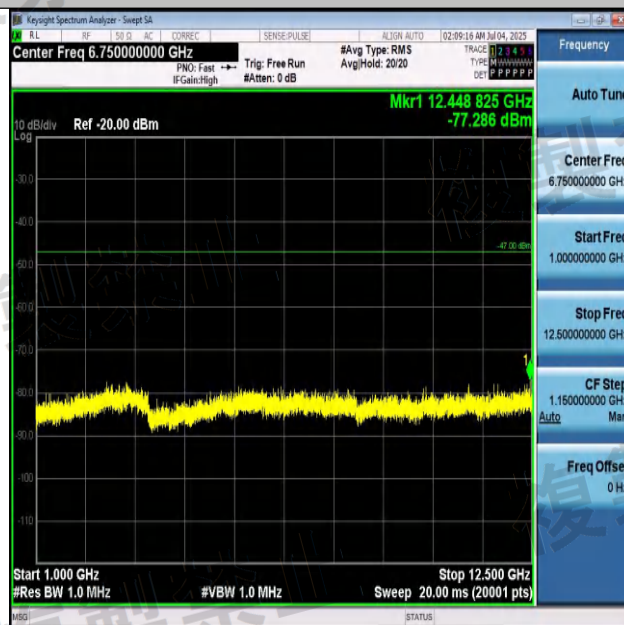
NTNV-3DH5-Ant1-2402-1000~12500-PASS







NTNV-3DH5-Ant1-2480-30~1000-PASS



NTNV-3DH5-Ant1-2480-1000~12500-PASS



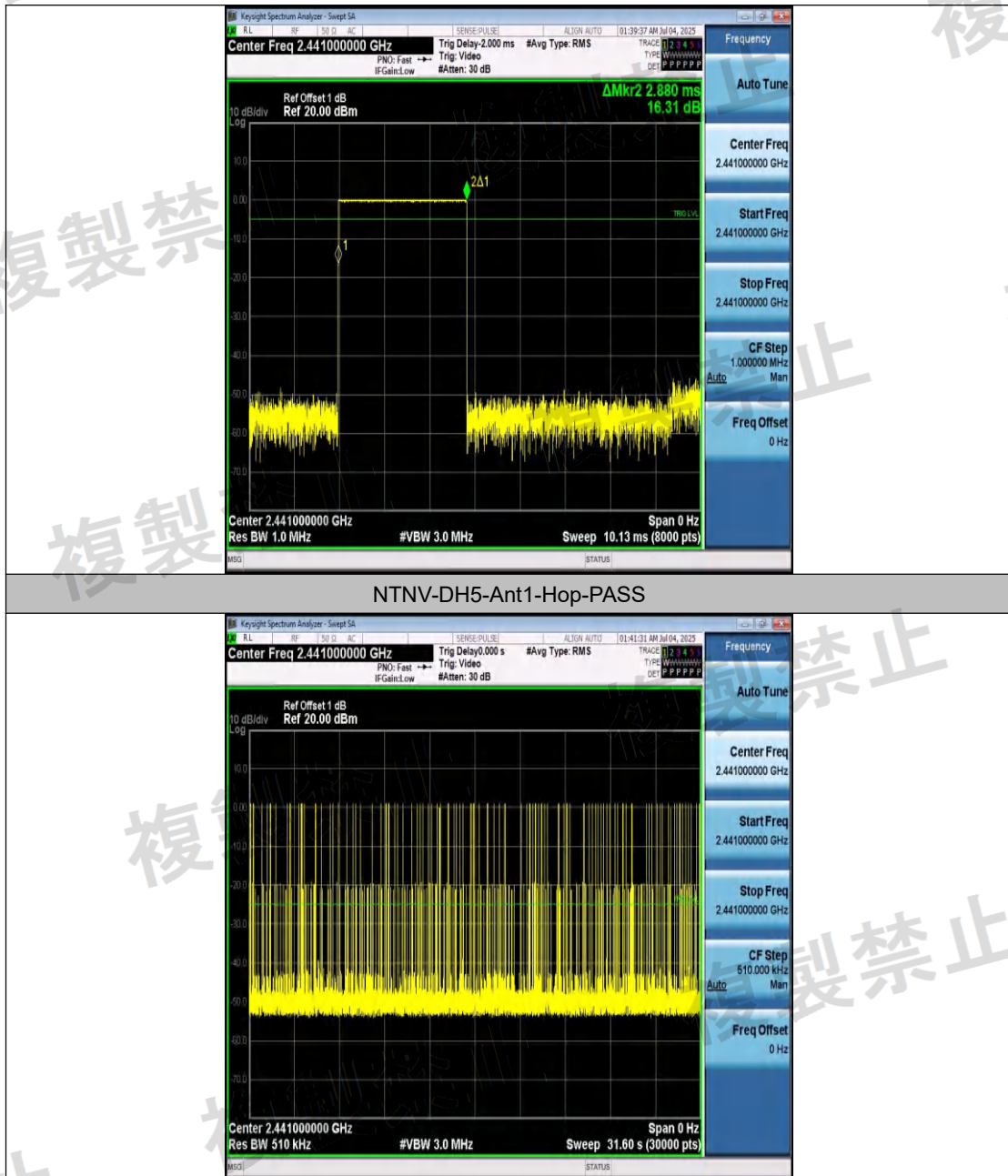
Appendix G: Dwell Time

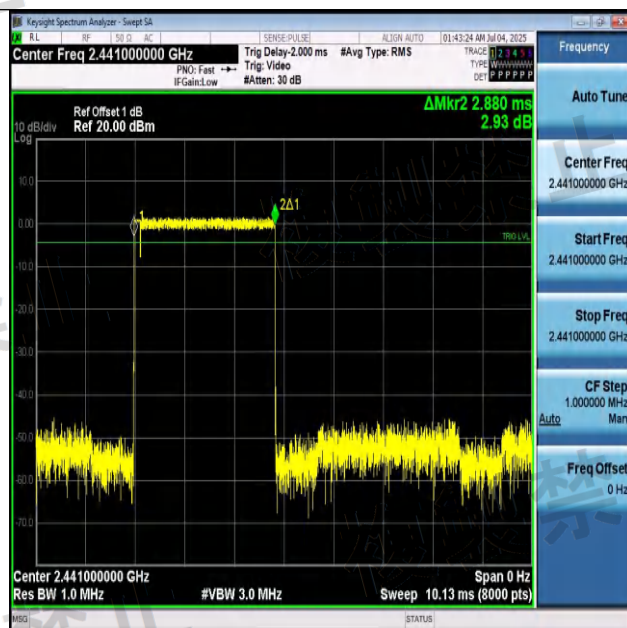
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH5	Ant1	Hop	2.88	107	0.308	≤0.4	PASS
NTNV	2DH5	Ant1	Hop	2.88	106	0.305	≤0.4	PASS
NTNV	3DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS

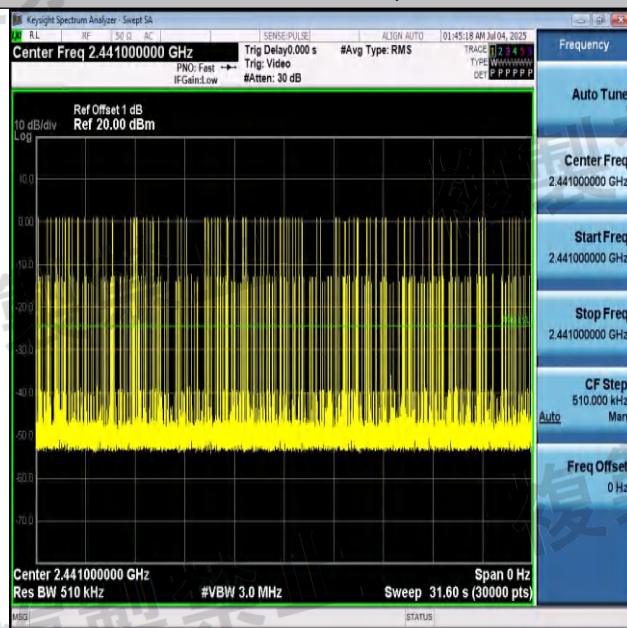


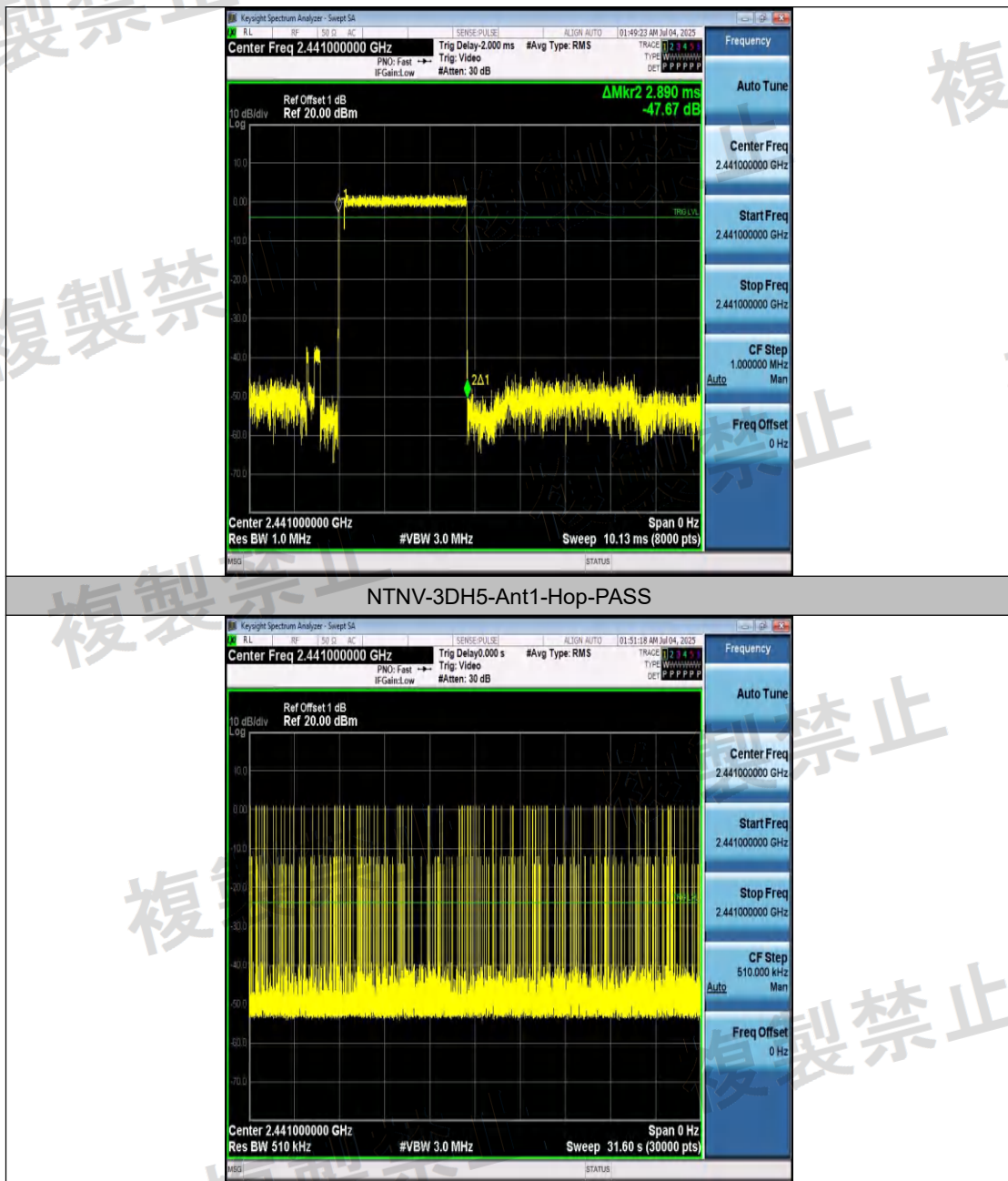
Test Graphs





NTNV-2DH5-Ant1-Hop-PASS





----- End of Report -----

