

Japan Specified Radio Test Report

Report No. : 1812C50197812501

Applicant : SHENZHEN SEENDA TECHNOLOGY CO.,LTD.

Address : #3402-3405, 3410-3411, Building B, Longhua District Digital Innovation Center
(HongRongYuan BeiZhanZhongXin), Beizhan Community, Minzhi Street, Longhua District, Shenzhen, China

Product Name : Receiver

Report Date : 2025-06-05

Shenzhen Anbotek Compliance Laboratory Limited



Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-b

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TEST REPORT

Applicant : SHENZHEN SEENDA TECHNOLOGY CO.,LTD.
Manufacturer : SHENZHEN SEENDA TECHNOLOGY CO.,LTD.
Product Name : Receiver
Model No. : SM005, SM006, SM007, SM008, EM04 N, EK04 NL
Trade Mark : N/A
Rating(s) : Input: 5V $\overline{=}$ 1A

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

2025-04-28

Date of Test

2025-04-28 to 2025-05-26

Prepared By

Haidi Huang

(Haidi Huang)

Approved & Authorized Signer

Kingkong Jin

(Kingkong Jin)



Revision History

Report Version	Description	Issued Date
R00	Original Issue.	2025-06-05



1. General Information

1.1. Client Information

Applicant	:	SHENZHEN SEENDA TECHNOLOGY CO.,LTD.
Address	:	#3402-3405, 3410-3411, Building B, Longhua District Digital Innovation Center (HongRongYuan BeiZhanZhongXin), Beizhan Community, Minzhi Street, Longhua District, Shenzhen, China
Manufacturer	:	SHENZHEN SEENDA TECHNOLOGY CO.,LTD.
Address	:	#3402-3405, 3410-3411, Building B, Longhua District Digital Innovation Center (HongRongYuan BeiZhanZhongXin), Beizhan Community, Minzhi Street, Longhua District, Shenzhen, China
Factory	:	Shenzhen Hangshi Electronic Technology Co., LTD
Address	:	Floor 2, Building A1, Zone G, Democratic West Industrial Zone, Democratic Community, Shajing Street, Bao 'an District, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	Receiver
Model No.	:	SM005, SM006, SM007, SM008, EM04 N, EK04 NL (Note: All samples are the same except the model name, so we prepare "SM005" for test only.)
Trade Mark	:	N/A
Test Power Supply	:	DC 5V via PC
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Hardware Version	:	V1.0.2
Software Version	:	V0.1.1
Adapter	:	N/A

RF Specification

Operation Frequency	:	2403~2480MHz
Number of Channel	:	16 Channels
Modulation Type	:	GFSK
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	2.34 dBi
Rated output Power	:	0.1mW/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.
Acer Computer	Acer	N19W3	2020AJ3862
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)
00	2403	04	2422	08	2441	12	2463
01	2407	05	2426	09	2445	13	2466
02	2414	06	2436	10	2453	14	2473
03	2419	07	2439	11	2459	15	2480

Note: EUT was tested with channel 00, 08 and 15.

1.5. Test Conditions

	Normal Test Conditions
Temperature	25.9°C
Relative Humidity	53%
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 3.60V	DC 3.10V
Voltage Variation (%)	--	9.09%	6.06%

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, both normal voltage and extreme voltage are 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 2.14dBi.

**: Application to EIRP more than 6.91dBm/MHz.



3. Frequency Tolerance Test

3.1. Test Limit

Test Limit	± 50 ppm
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3.2. Test Setup



3.3. Test Procedure

Test Frequency= test channel

RBW=VBW=10kHz

Span=1MHz

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

- To measure the Total Power
Test Frequency: test channel,
RBW=VBW=1MHz, Span=200MHz, Sweep time=Auto, Detector mode =Positive peak
- Antenna power= Total 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

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.

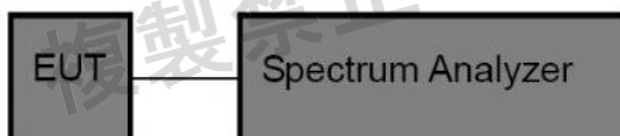


6. Spread-Spectrum Bandwidth (90%) Test

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
$\leq 2387\text{MHz}$	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)
2387MHz to 2400MHz	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)
2483.5MHz to 2496.5MHz	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)
$\geq 2496.5\text{MHz}$	$\leq 2.5\mu\text{W/MHz}$ (-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.

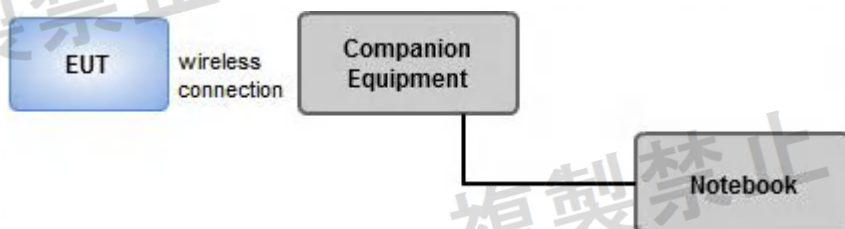


8. Interference Prevention Function

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
2.4G	A1:07:1C:32:A2:C3	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

Step 1:

Test Frequency: test channel,

Below 1GHz, RBW=VBW=100kHz;

Above 1GHz, RBW=VBW=1MHz,

Sweep time=Auto, Detector mode=Positive peak

Step 2:

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.

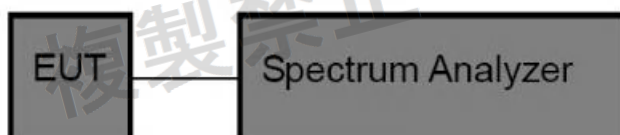


10. Dwell Time Measurement

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 6.402s

$6.402 = (0.4 \times \text{Number of hopping channels})$ [Notes]

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

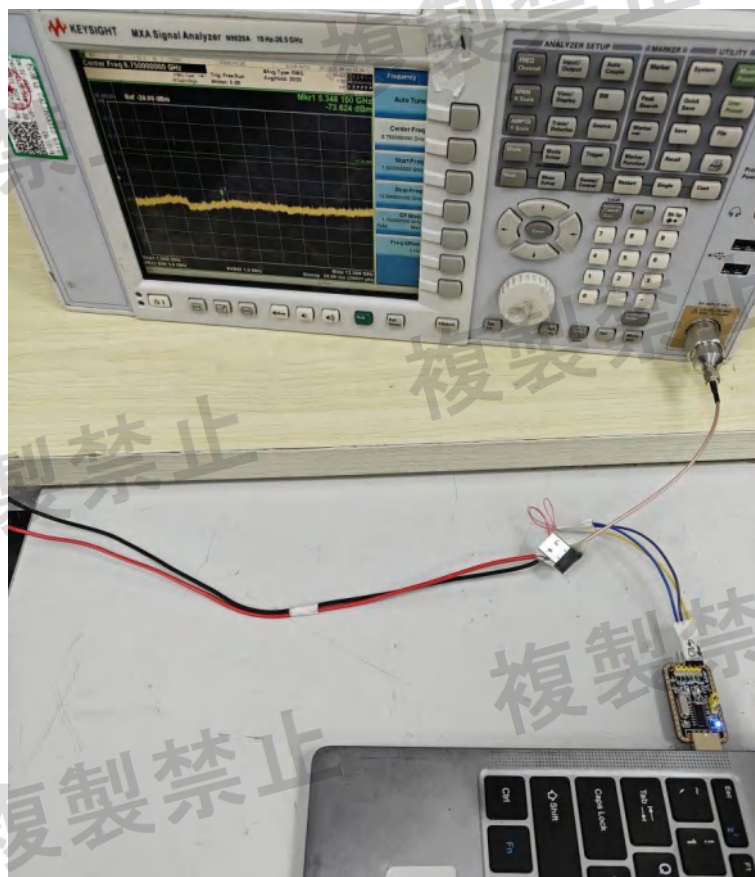
10.4. Test Data

Pass

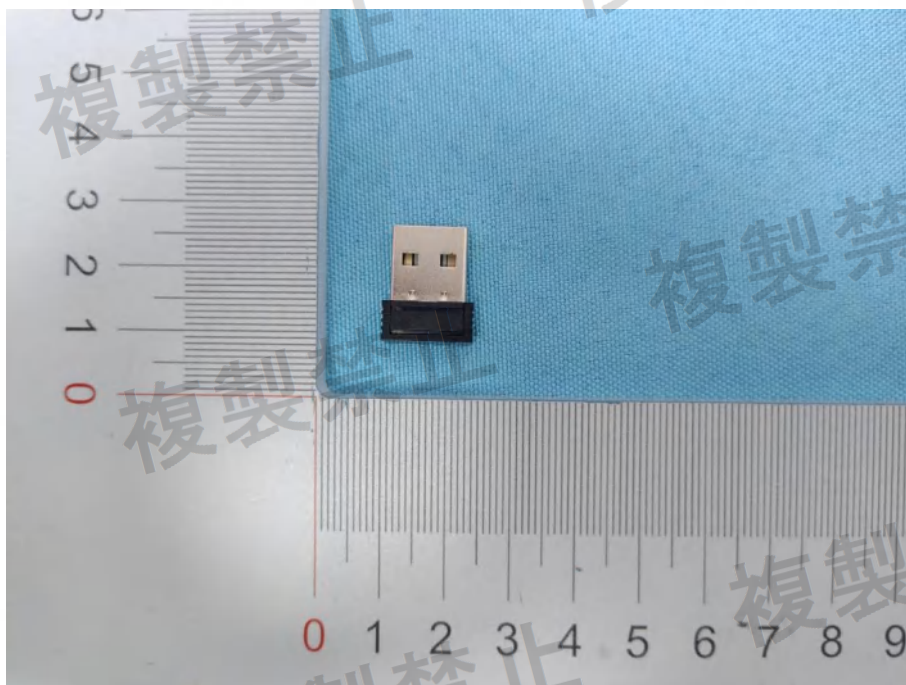
Please refer to Appendix G of the Appendix Test Data.

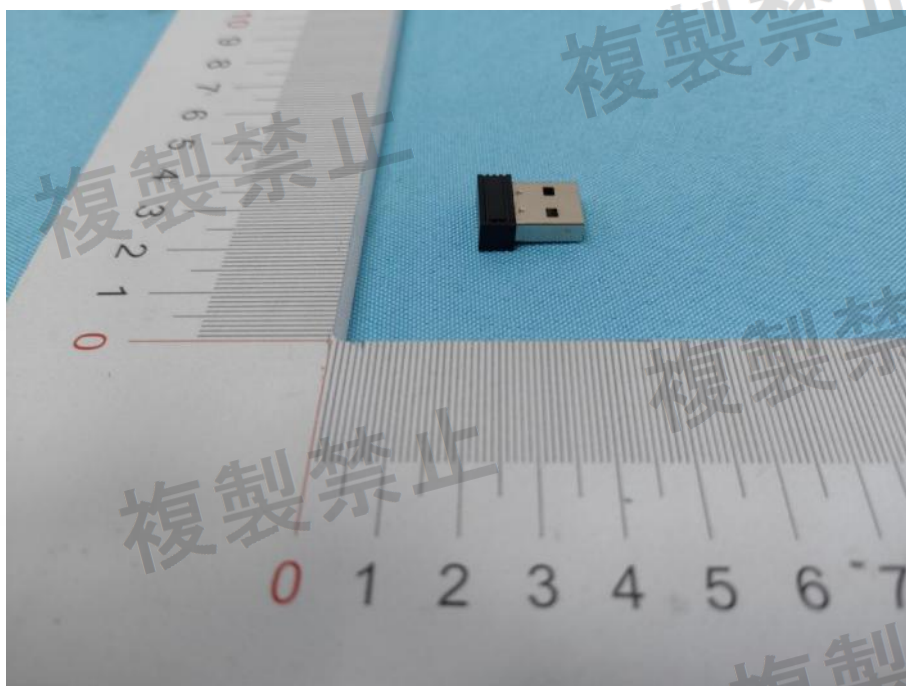
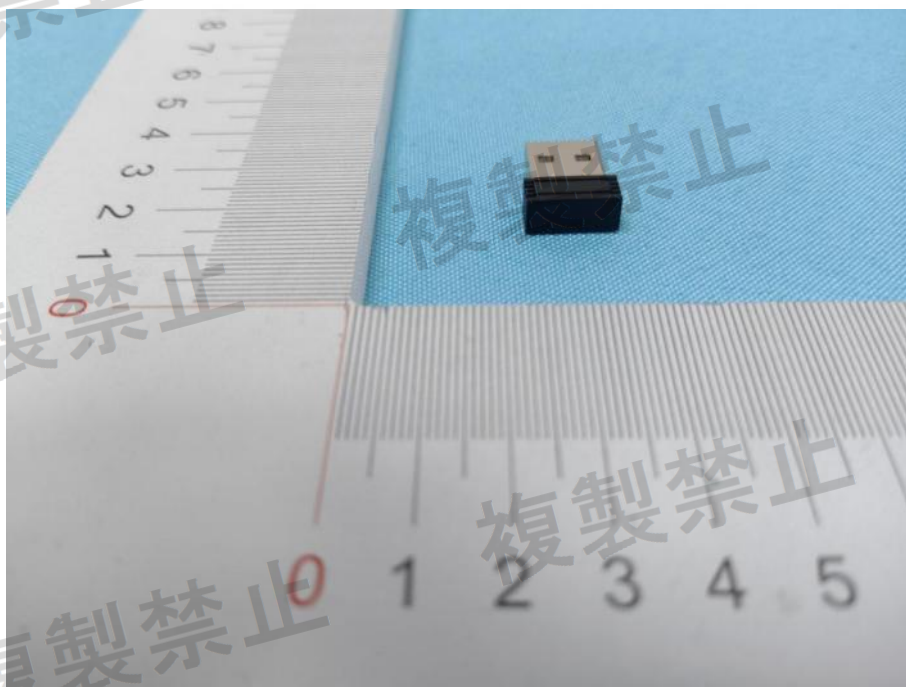


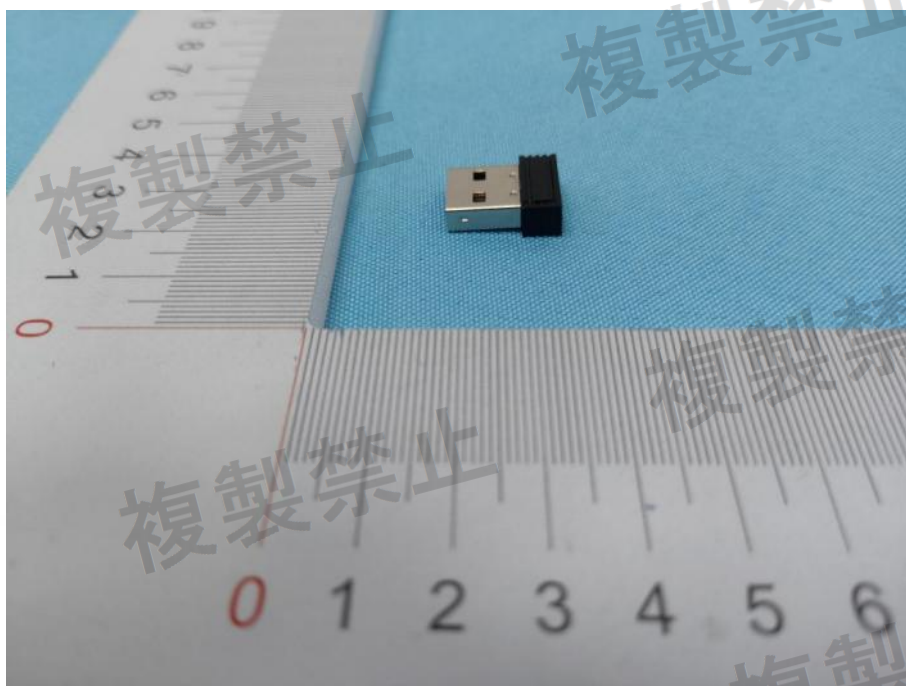
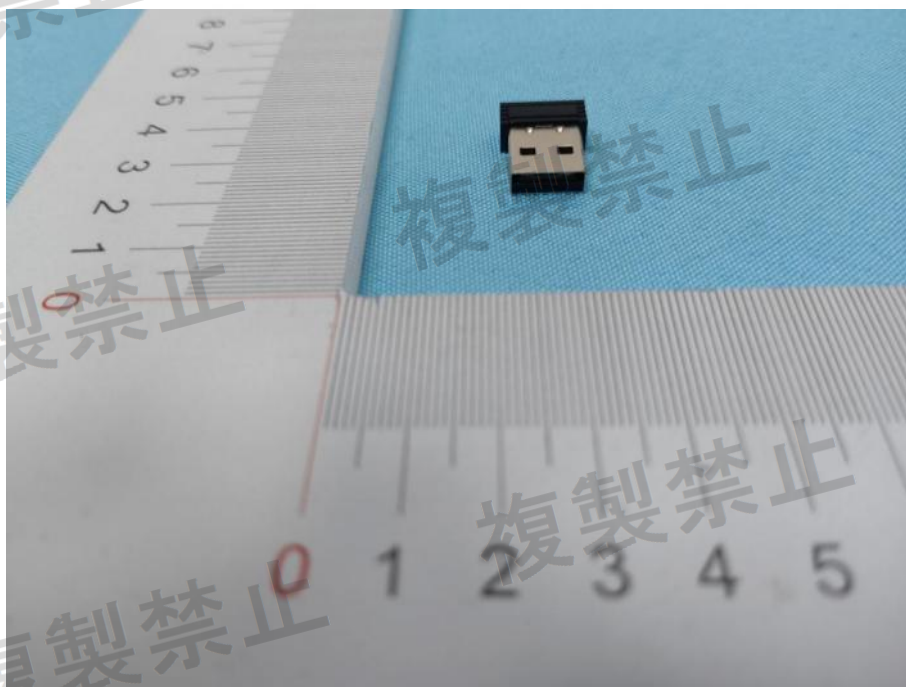
APPENDIX I -- TEST SETUP PHOTOGRAPH

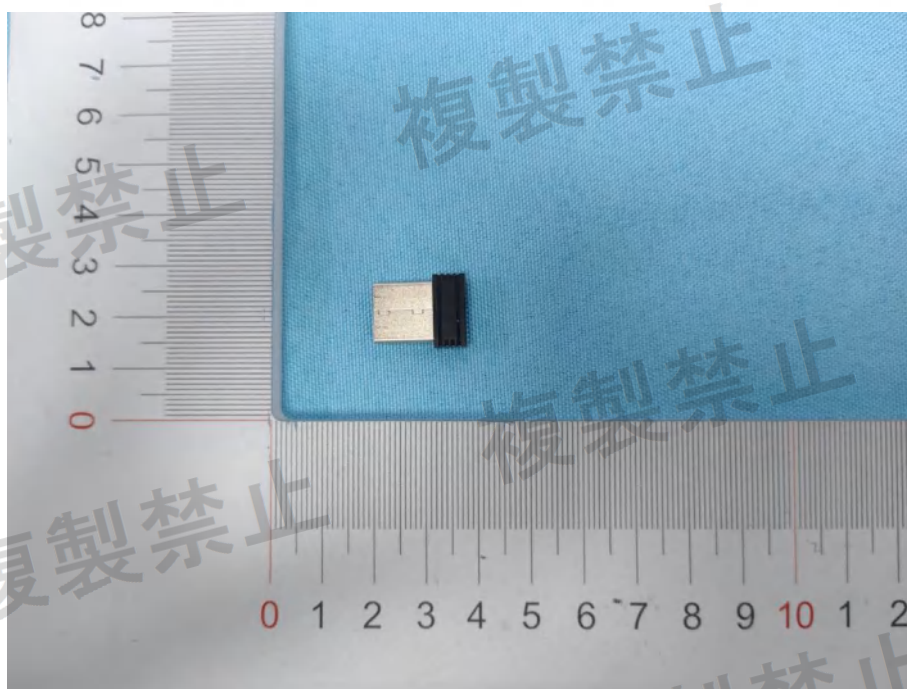


APPENDIX II -- EXTERNAL PHOTOGRAPH

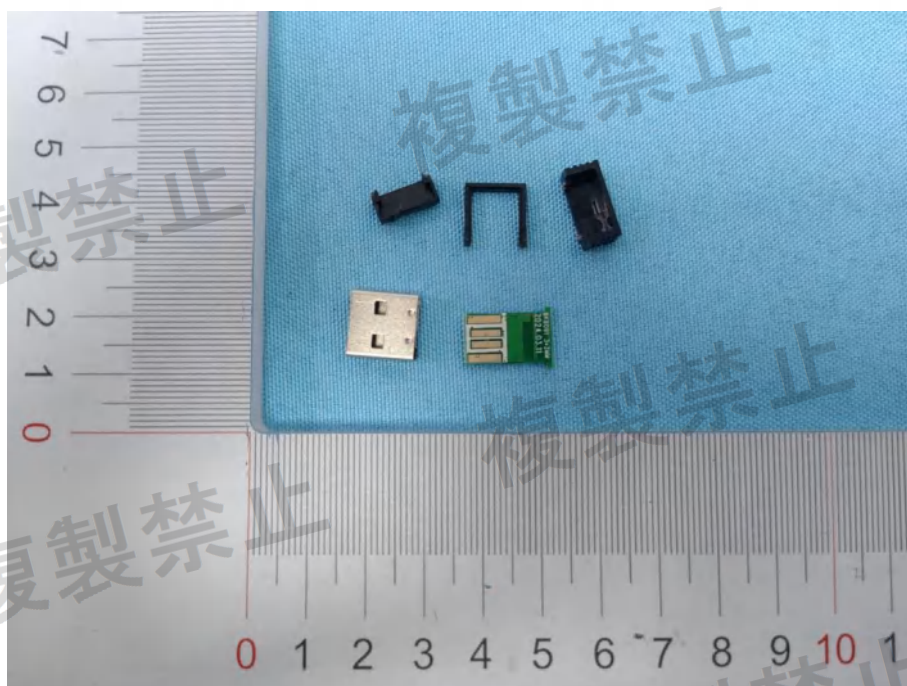




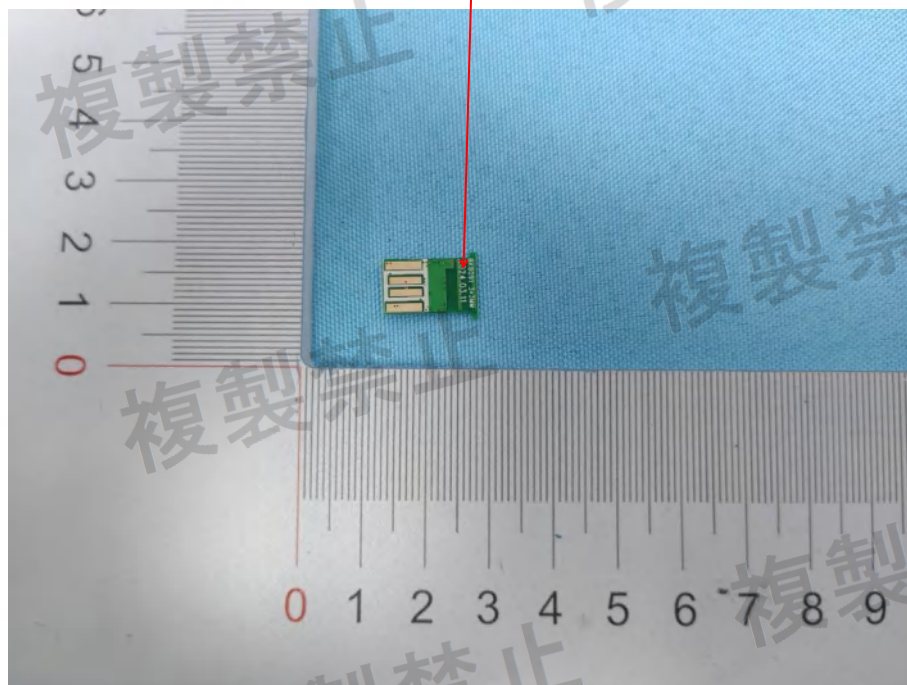


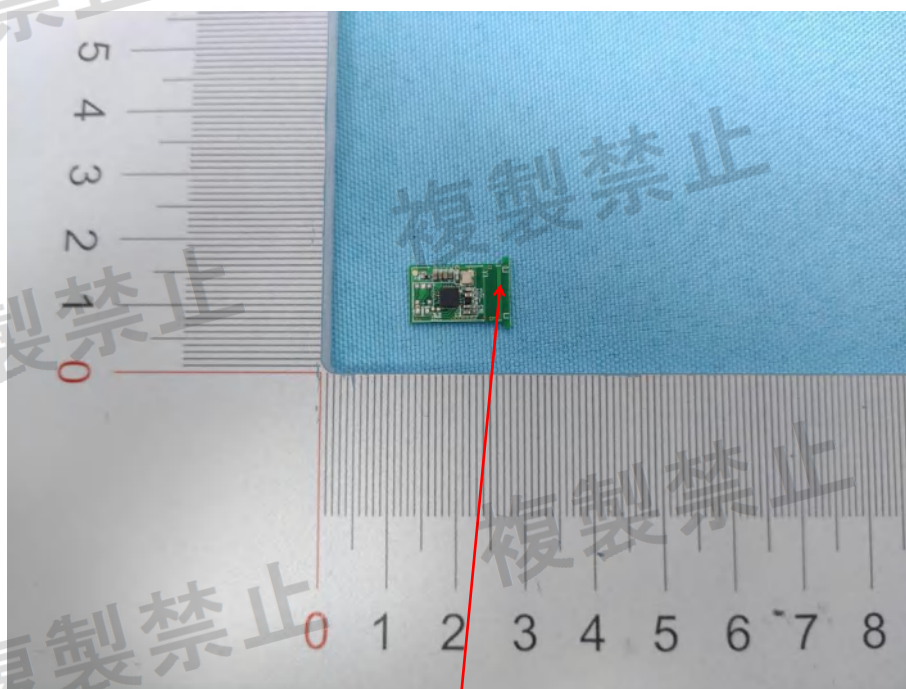


APPENDIX III -- INTERNAL PHOTOGRAPH



ANT





ANT



Appendix Test Data

Appendix A: Frequency_Error

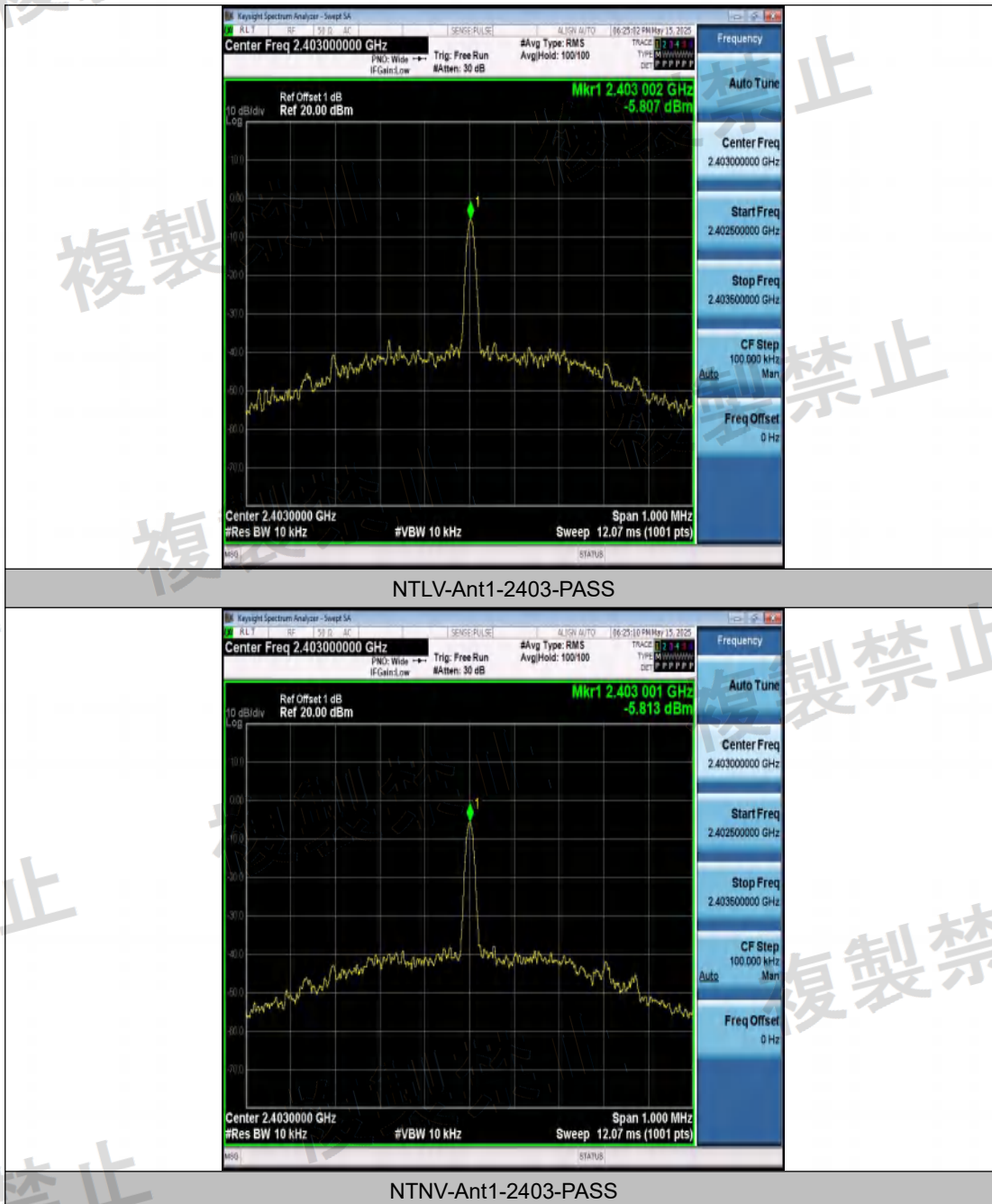
Test Result

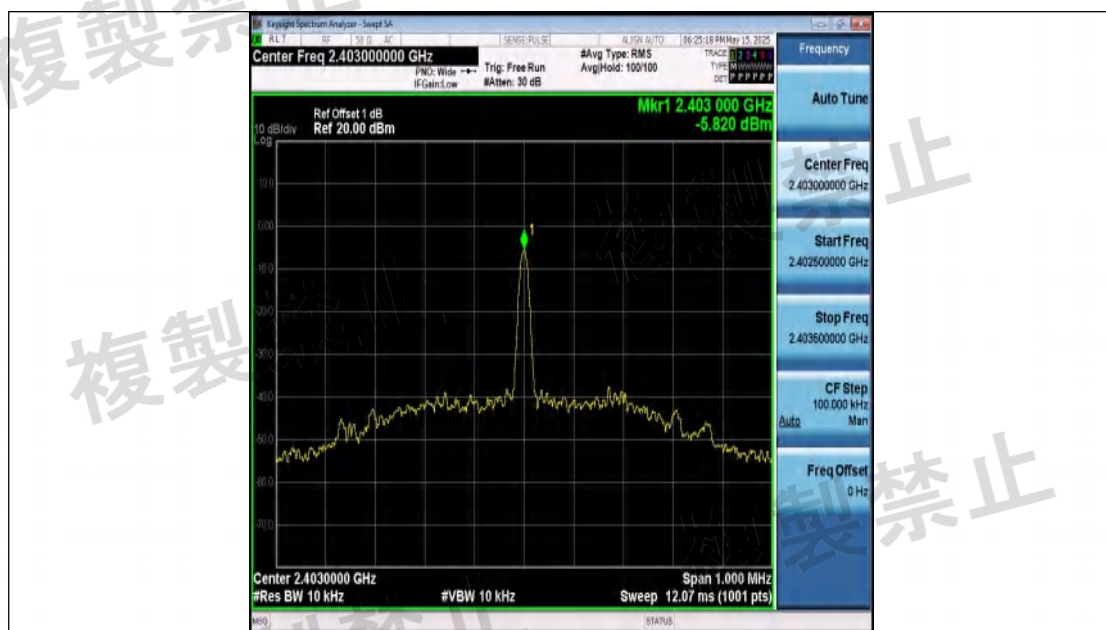
Test Condition	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTLV	Ant1	2403	2403.002	0.83229	±50	PASS
NTNV	Ant1	2403	2403.001	0.41615	±50	PASS
NTHV	Ant1	2403	2403	0.00000	±50	PASS
NTLV	Ant1	2441	2440.999	-0.40967	±50	PASS
NTNV	Ant1	2441	2440.999	-0.40967	±50	PASS
NTHV	Ant1	2441	2440.999	-0.40967	±50	PASS
NTLV	Ant1	2480	2479.999	-0.40323	±50	PASS
NTNV	Ant1	2480	2479.999	-0.40323	±50	PASS
NTHV	Ant1	2480	2479.998	-0.80645	±50	PASS

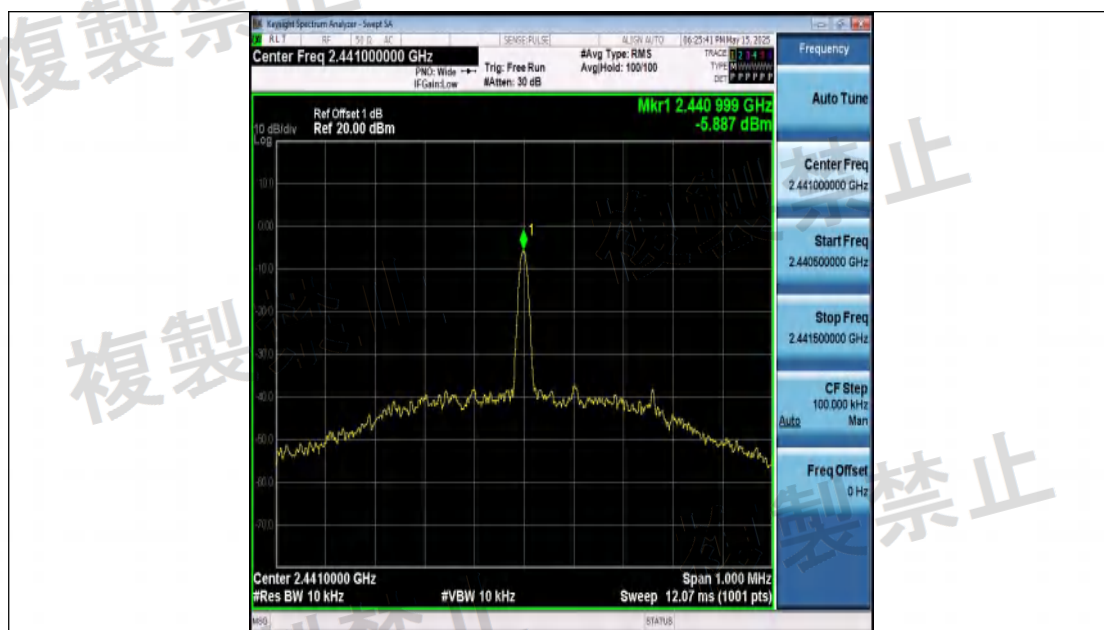
Note: Result[ppm]= (Center Freq.[MHz] - Frequency[MHz])/ Frequency[MHz]*1000000



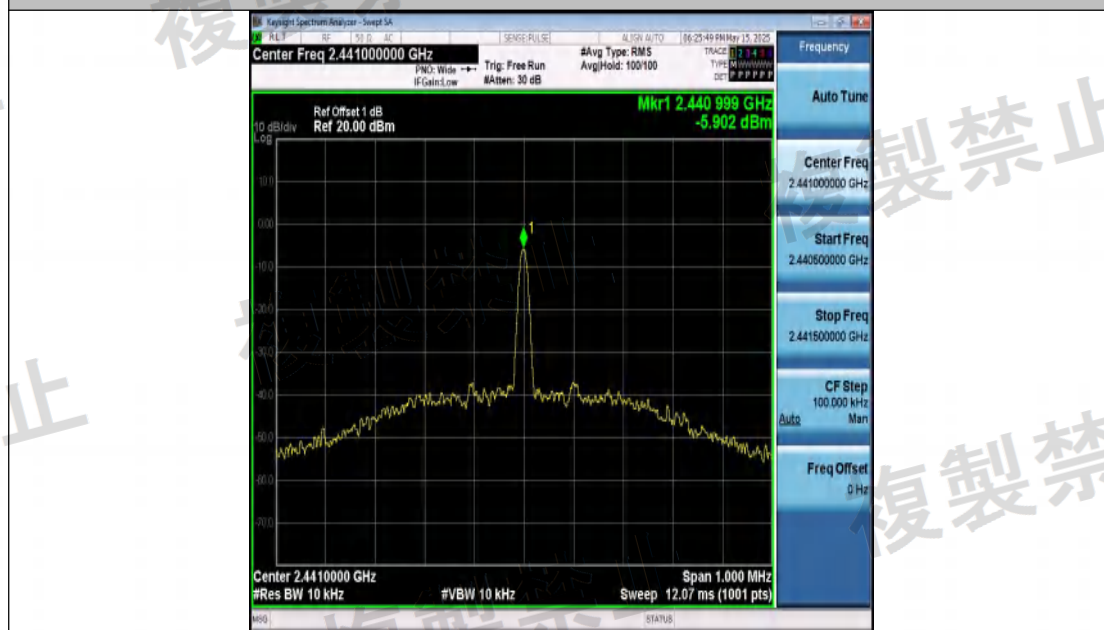
Test Graphs





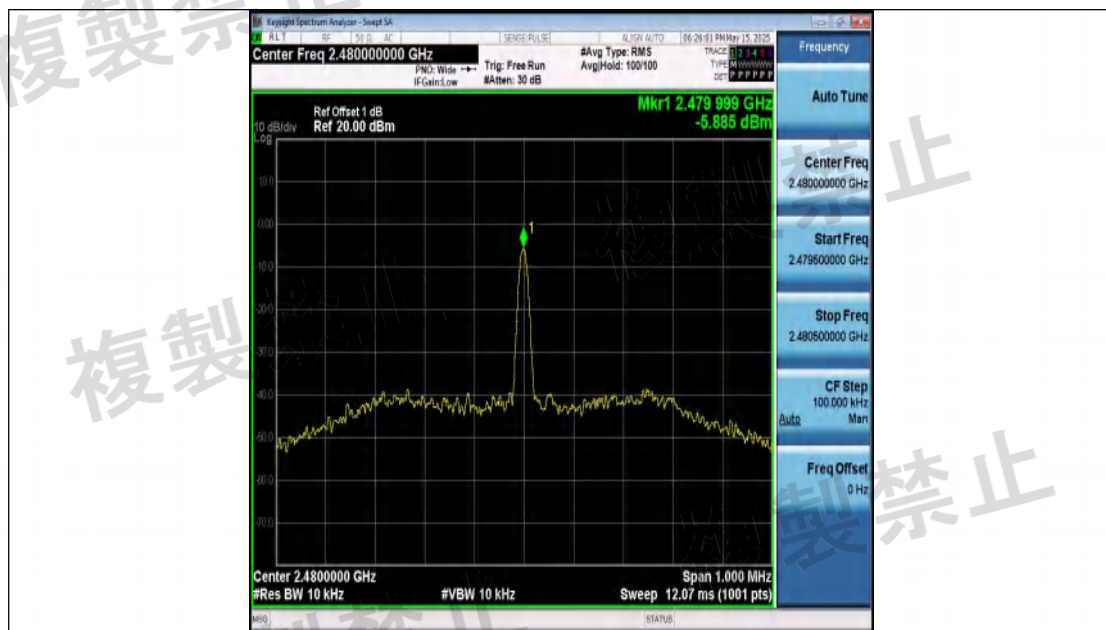


NTNV-Ant1-2441-PASS

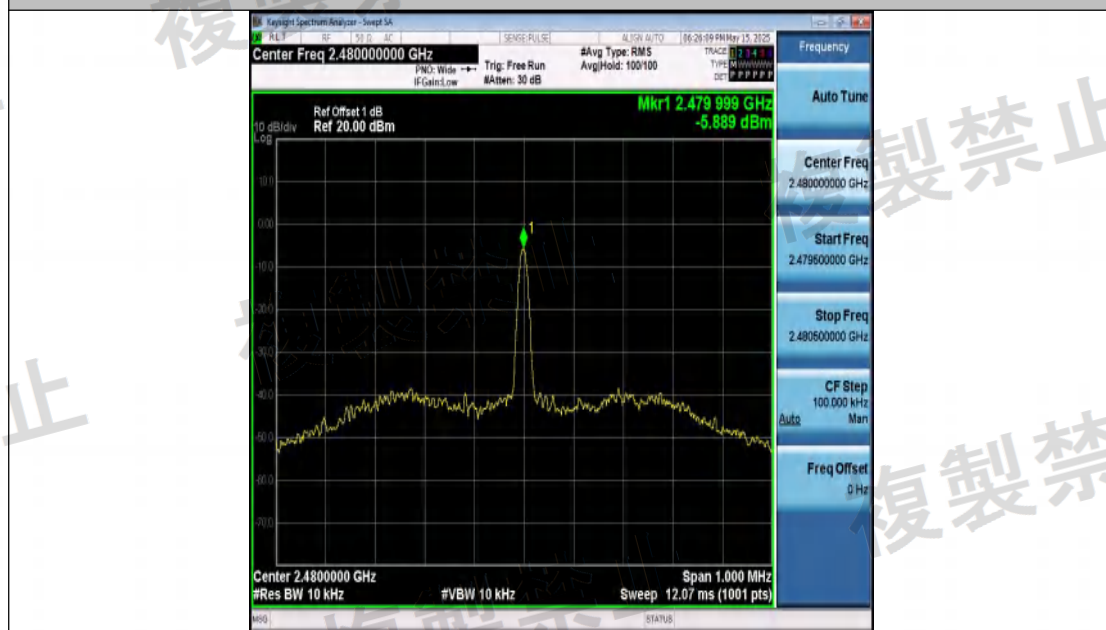


NTHV-Ant1-2441-PASS



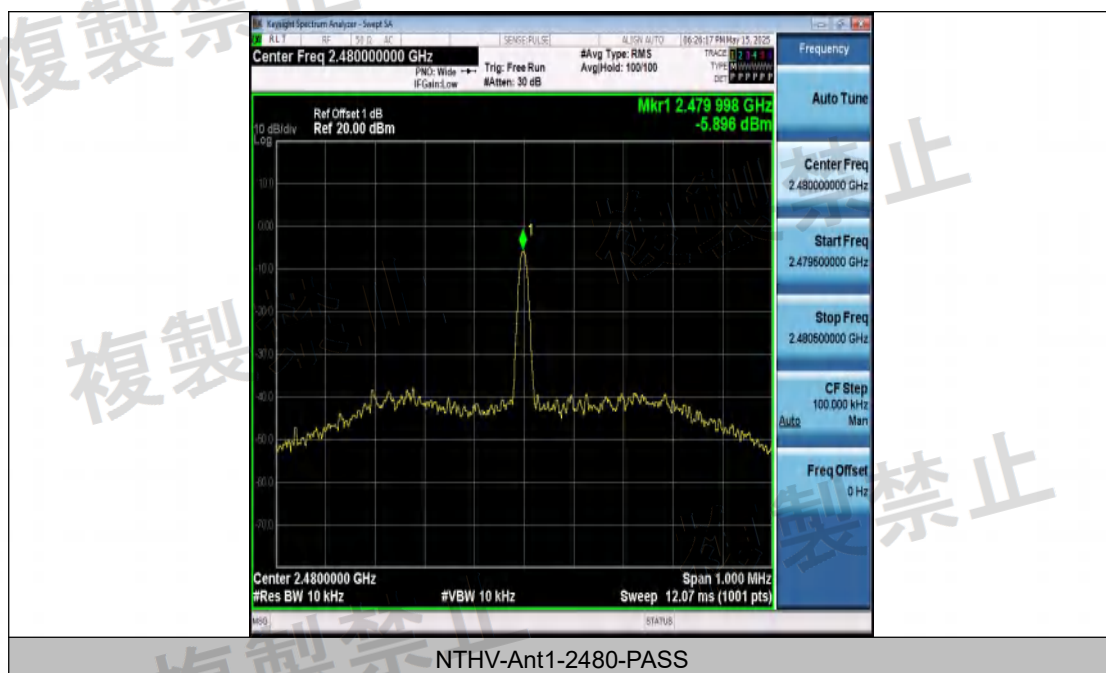


NTLV-Ant1-2480-PASS



NTNV-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
NTLV	2.4G	Ant1	Hop	8.04	6.368	75.271	0.085	≤3	PASS
NTNV	2.4G	Ant1	Hop	8.70	7.413	75.887	0.098	≤3	PASS
NTHV	2.4G	Ant1	Hop	8.01	6.324	75.944	0.083	≤3	PASS

Note: $\text{Result}[\text{mW/MHz}] = 10^{(\text{Test Result}[\text{dBm/MHz}]/10)}$

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
NTLV	2.4G	Ant1	Hop	0.085	0.1	-15.00	+20	PASS
NTNV	2.4G	Ant1	Hop	0.098	0.1	-2.00	+20	PASS
NTHV	2.4G	Ant1	Hop	0.083	0.1	-17.00	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
NTLV	2.4G	Ant1	Hop	-10.71	-8.37	≤6.91	PASS
NTNV	2.4G	Ant1	Hop	-10.09	-7.75	≤6.91	PASS
NTHV	2.4G	Ant1	Hop	-10.81	-8.47	≤6.91	PASS

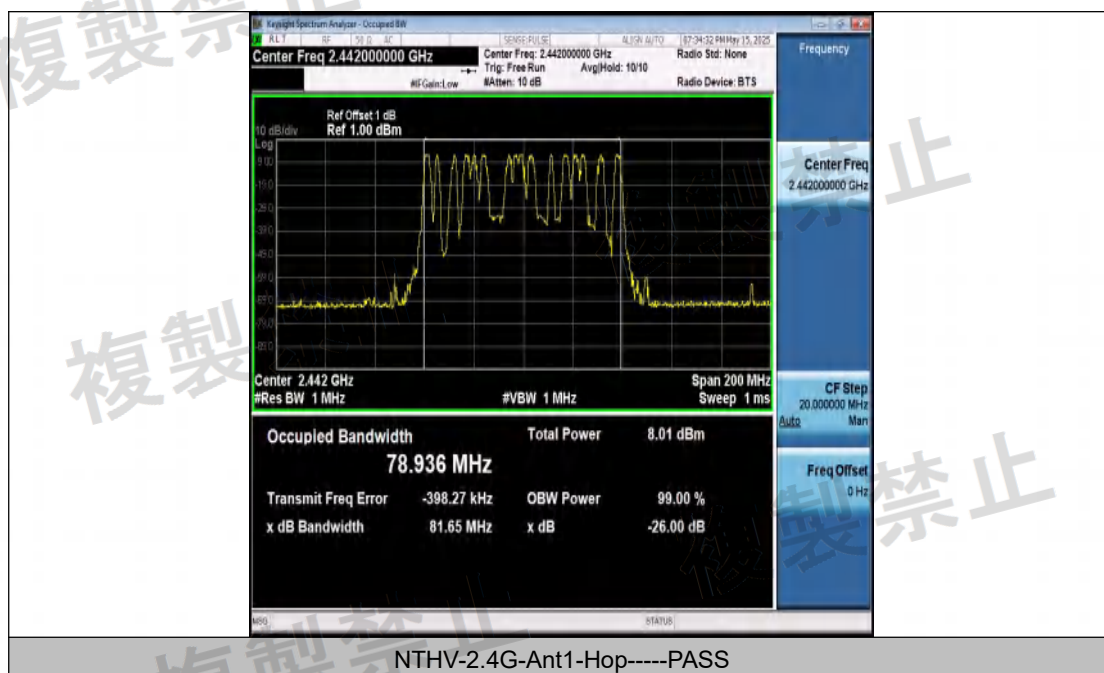
Note: $\text{Result}[\text{dBm/MHz}] = 10\log(\text{Power} [\text{mW/MHz}])$

$\text{EIRP}[\text{dBm/MHz}] = \text{Result}[\text{dBm/MHz}] + \text{Gain}(\text{dBi})$



Test Graphs





Appendix C: Occupied Bandwidth

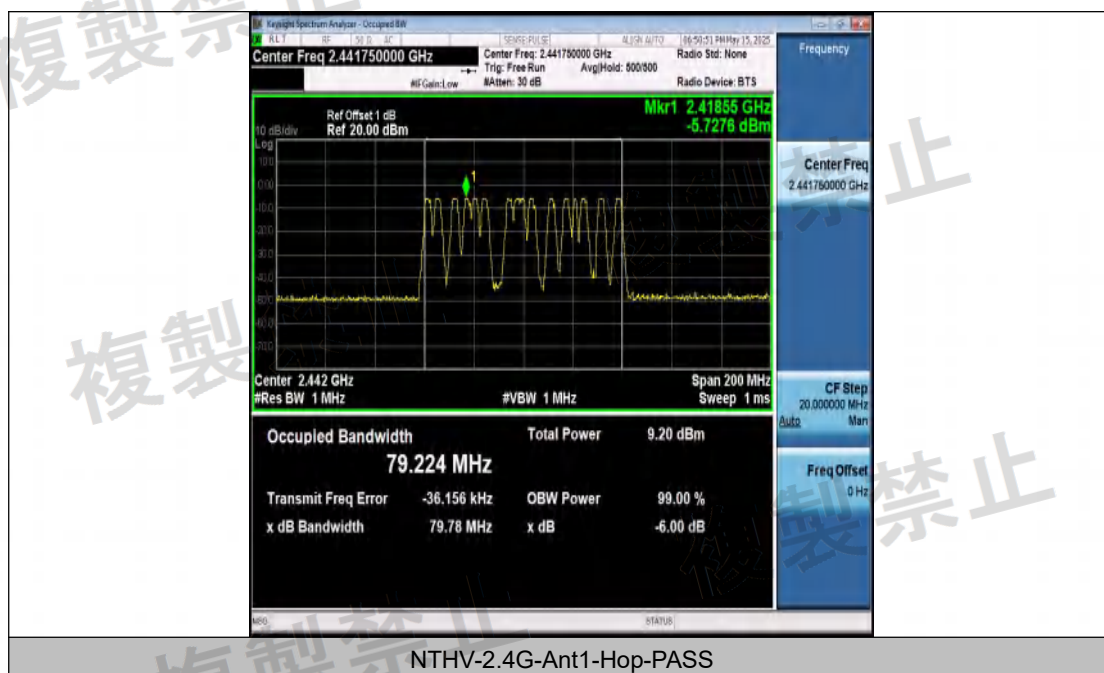
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTLV	2.4G	Ant1	Hop	79.141	≤83.5	PASS
NTNV	2.4G	Ant1	Hop	78.832	≤83.5	PASS
NTHV	2.4G	Ant1	Hop	79.224	≤83.5	PASS



Test Graphs





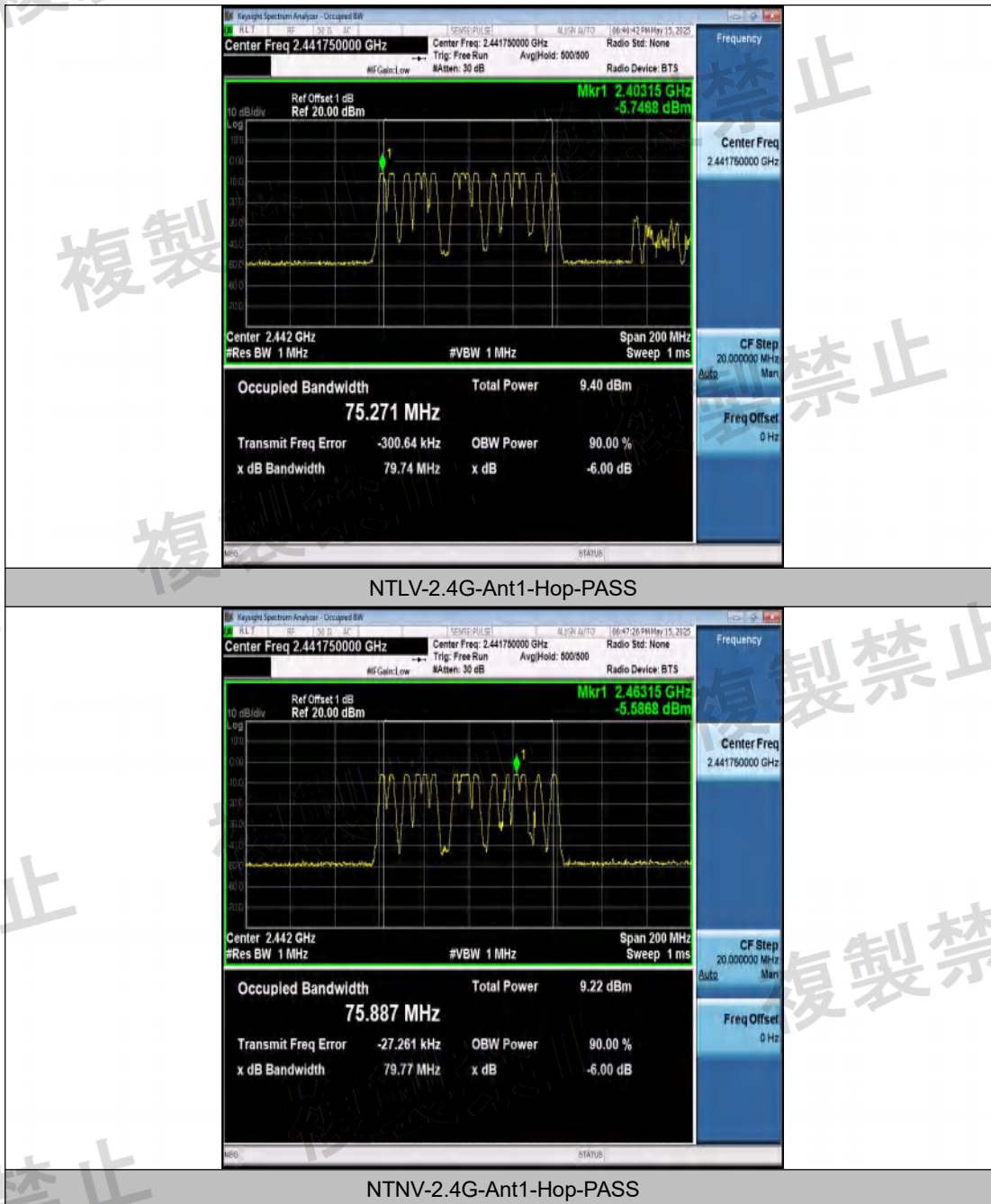
Appendix D: Spread Bandwidth

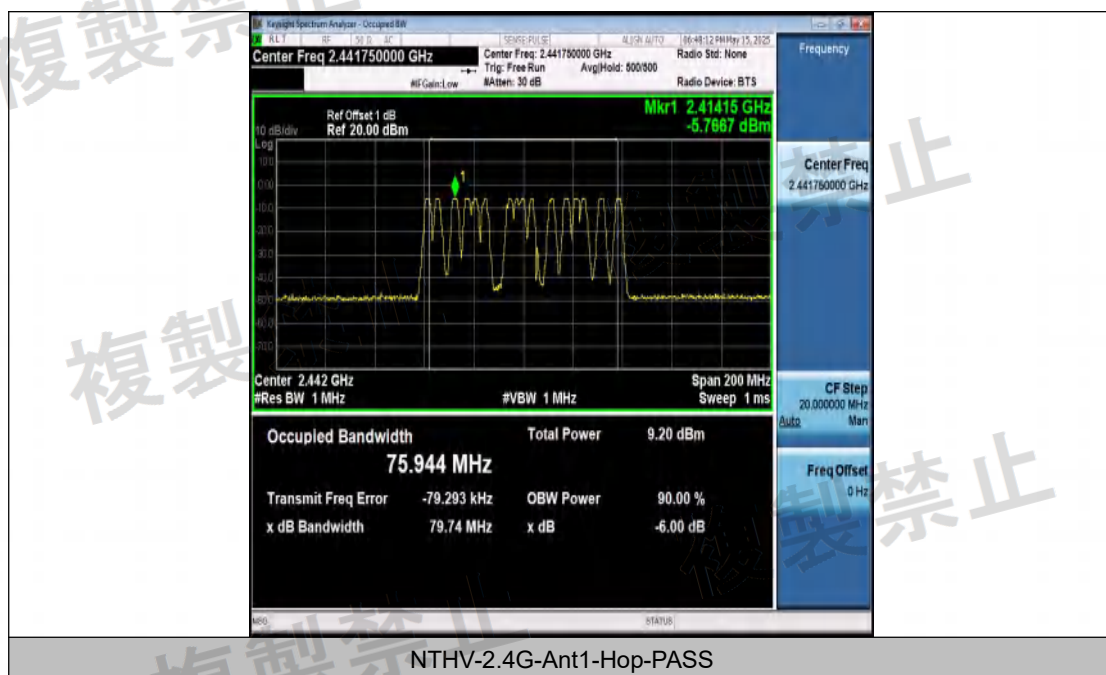
Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]
NTLV	2.4G	Ant1	Hop	75.271
NTNV	2.4G	Ant1	Hop	75.887
NTHV	2.4G	Ant1	Hop	75.944



Test Graphs





Appendix E: Spurious Emission of TX

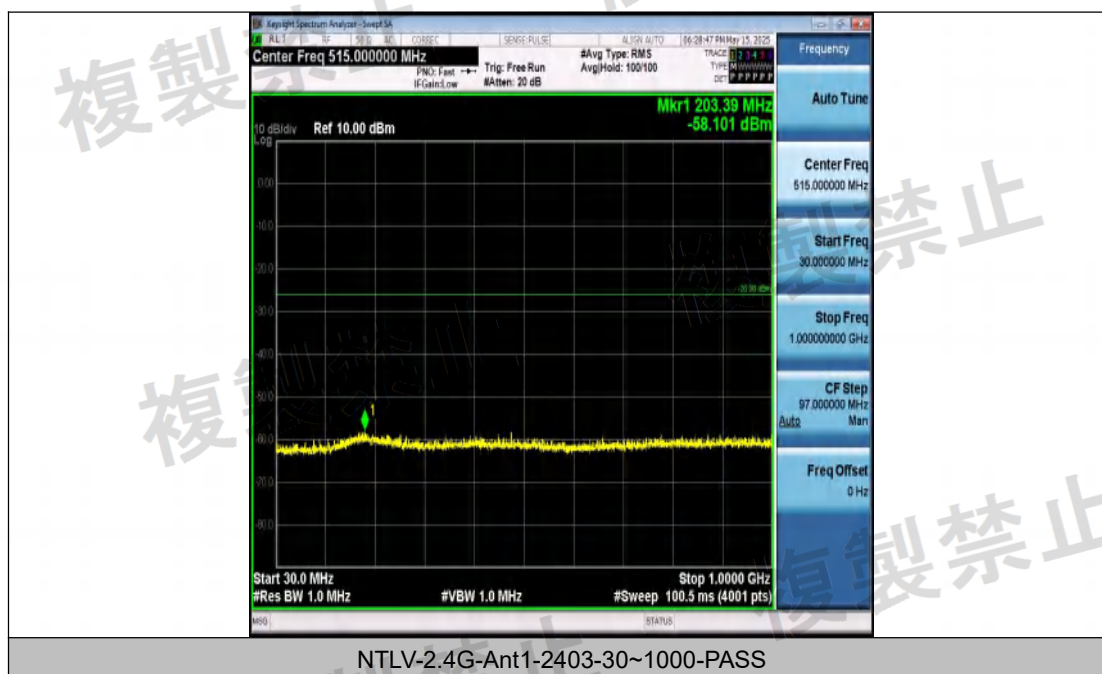
Test Result

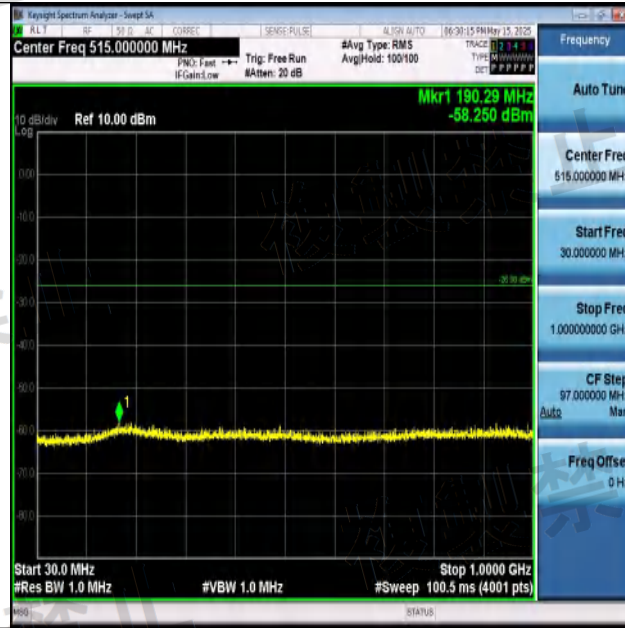
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTLV	2.4G	Ant1	2403	30~1000	203.39	-58.10	≤-26	0.00155	≤2.5	PASS
NTNV	2.4G	Ant1	2403	30~1000	190.29	-58.25	≤-26	0.00150	≤2.5	PASS
NTHV	2.4G	Ant1	2403	30~1000	223.27	-57.95	≤-26	0.00160	≤2.5	PASS
NTLV	2.4G	Ant1	2403	1000~2387	1736.15	-35.93	≤-26	0.25527	≤2.5	PASS
NTNV	2.4G	Ant1	2403	1000~2387	1908.49	-41.15	≤-26	0.07674	≤2.5	PASS
NTHV	2.4G	Ant1	2403	1000~2387	1906.06	-41.21	≤-26	0.07568	≤2.5	PASS
NTLV	2.4G	Ant1	2403	2387~2400	2399.97	-37.13	≤-16	0.19364	≤25	PASS
NTNV	2.4G	Ant1	2403	2387~2400	2399.96	-37.48	≤-16	0.17865	≤25	PASS
NTHV	2.4G	Ant1	2403	2387~2400	2400.00	-37.34	≤-16	0.18450	≤25	PASS
NTLV	2.4G	Ant1	2403	2483.5~2496.5	2491.45	-53.70	≤-16	0.00427	≤25	PASS
NTNV	2.4G	Ant1	2403	2483.5~2496.5	2491.58	-54.34	≤-16	0.00368	≤25	PASS
NTHV	2.4G	Ant1	2403	2483.5~2496.5	2491.46	-53.61	≤-16	0.00436	≤25	PASS
NTLV	2.4G	Ant1	2403	2496.5~13000	5801.43	-31.47	≤-26	0.71285	≤2.5	PASS
NTNV	2.4G	Ant1	2403	2496.5~13000	5172.79	-37.34	≤-26	0.18450	≤2.5	PASS
NTHV	2.4G	Ant1	2403	2496.5~13000	5178.04	-36.70	≤-26	0.21380	≤2.5	PASS
NTLV	2.4G	Ant1	2441	30~1000	184.23	-58.19	≤-26	0.00152	≤2.5	PASS
NTNV	2.4G	Ant1	2441	30~1000	248.25	-57.68	≤-26	0.00171	≤2.5	PASS
NTHV	2.4G	Ant1	2441	30~1000	706.82	-46.66	≤-26	0.02158	≤2.5	PASS
NTLV	2.4G	Ant1	2441	1000~2387	1746.21	-42.87	≤-26	0.05164	≤2.5	PASS
NTNV	2.4G	Ant1	2441	1000~2387	2015.98	-35.07	≤-26	0.31117	≤2.5	PASS
NTHV	2.4G	Ant1	2441	1000~2387	1746.21	-34.95	≤-26	0.31989	≤2.5	PASS
NTLV	2.4G	Ant1	2441	2387~2400	2398.58	-53.14	≤-16	0.00485	≤25	PASS
NTNV	2.4G	Ant1	2441	2387~2400	2399.03	-53.49	≤-16	0.00448	≤25	PASS
NTHV	2.4G	Ant1	2441	2387~2400	2398.08	-53.83	≤-16	0.00414	≤25	PASS
NTLV	2.4G	Ant1	2441	2483.5~2496.5	2491.26	-53.96	≤-16	0.00402	≤25	PASS
NTNV	2.4G	Ant1	2441	2483.5~2496.5	2491.12	-53.37	≤-16	0.00460	≤25	PASS
NTHV	2.4G	Ant1	2441	2483.5~2496.5	2490.89	-53.65	≤-16	0.00432	≤25	PASS
NTLV	2.4G	Ant1	2441	2496.5~13000	5179.62	-37.97	≤-26	0.15959	≤2.5	PASS
NTNV	2.4G	Ant1	2441	2496.5~13000	5811.40	-30.87	≤-26	0.81846	≤2.5	PASS
NTHV	2.4G	Ant1	2441	2496.5~13000	5809.83	-32.87	≤-26	0.51642	≤2.5	PASS
NTLV	2.4G	Ant1	2480	30~1000	221.09	-58.04	≤-26	0.00157	≤2.5	PASS
NTNV	2.4G	Ant1	2480	30~1000	915.85	-58.24	≤-26	0.00150	≤2.5	PASS
NTHV	2.4G	Ant1	2480	30~1000	197.57	-57.85	≤-26	0.00164	≤2.5	PASS
NTLV	2.4G	Ant1	2480	1000~2387	1763.54	-42.57	≤-26	0.05534	≤2.5	PASS



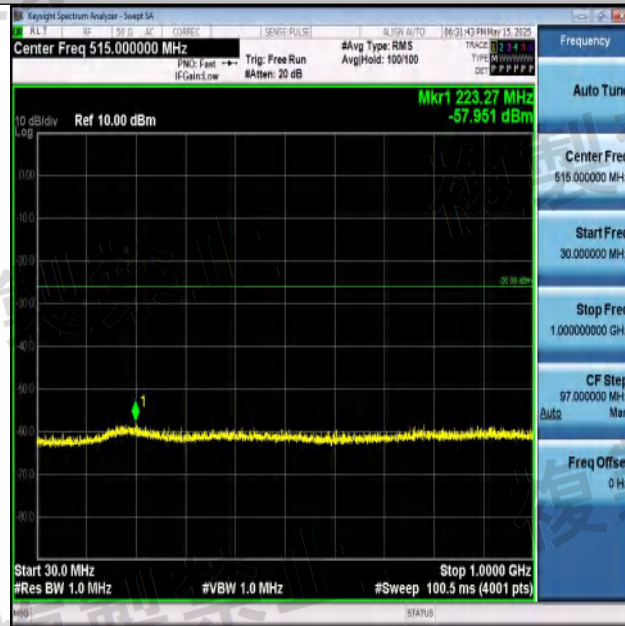
NTNV	2.4G	Ant1	2480	1000~2387	1764.24	-40.65	≤-26	0.08610	≤2.5	PASS
NTHV	2.4G	Ant1	2480	1000~2387	2365.15	-56.89	≤-26	0.00205	≤2.5	PASS
NTLV	2.4G	Ant1	2480	2387~2400	2398.20	-53.48	≤-16	0.00449	≤25	PASS
NTNV	2.4G	Ant1	2480	2387~2400	2399.60	-53.46	≤-16	0.00451	≤25	PASS
NTHV	2.4G	Ant1	2480	2387~2400	2389.46	-53.33	≤-16	0.00465	≤25	PASS
NTLV	2.4G	Ant1	2480	2483.5~2496.5	2483.50	-42.09	≤-16	0.06180	≤25	PASS
NTNV	2.4G	Ant1	2480	2483.5~2496.5	2483.86	-42.46	≤-16	0.05675	≤25	PASS
NTHV	2.4G	Ant1	2480	2483.5~2496.5	2483.75	-42.21	≤-16	0.06012	≤25	PASS
NTLV	2.4G	Ant1	2480	2496.5~13000	5811.40	-30.15	≤-26	0.96605	≤2.5	PASS
NTNV	2.4G	Ant1	2480	2496.5~13000	5801.95	-35.80	≤-26	0.26303	≤2.5	PASS
NTHV	2.4G	Ant1	2480	2496.5~13000	5801.43	-33.90	≤-26	0.40738	≤2.5	PASS

Test Graphs



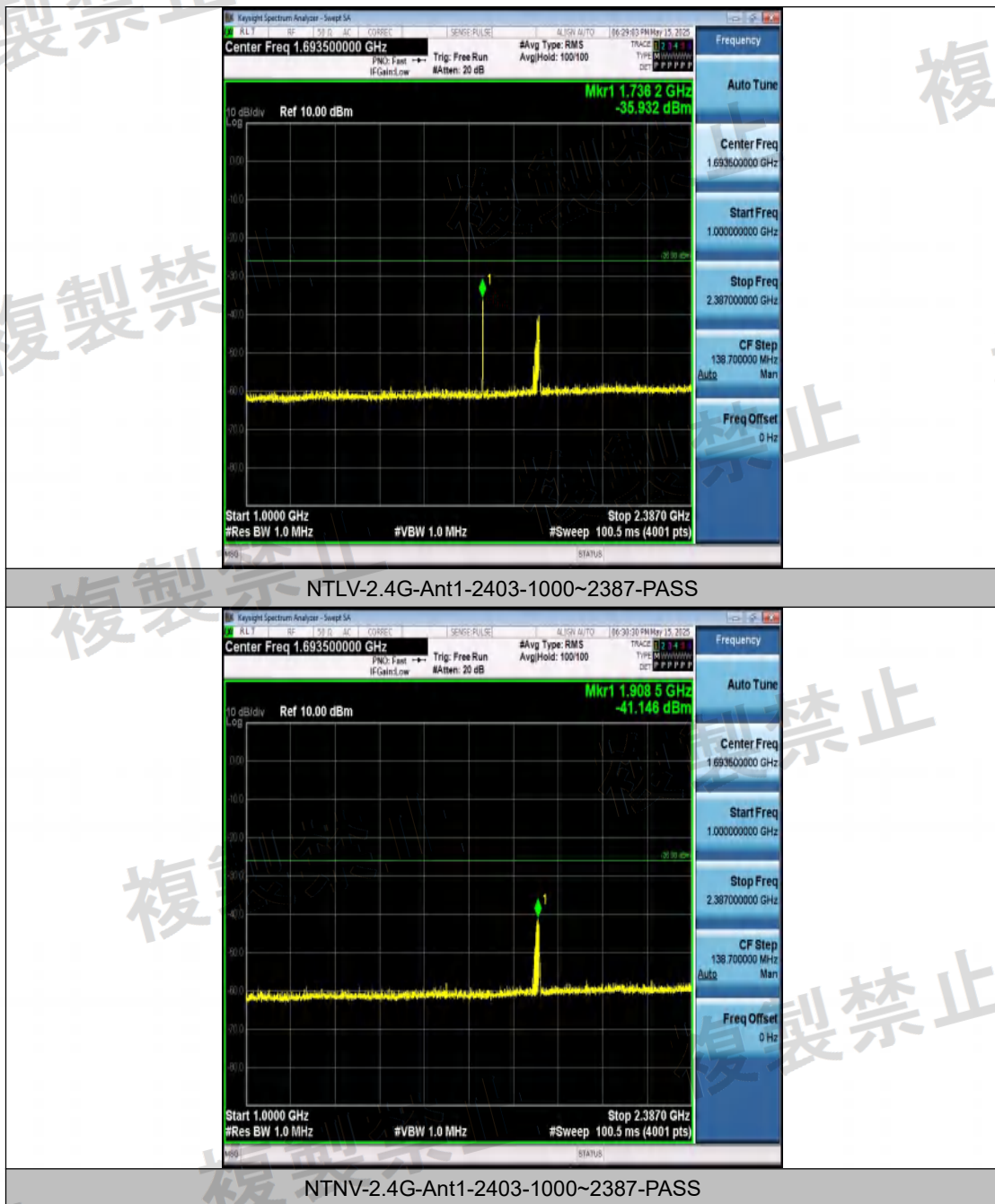


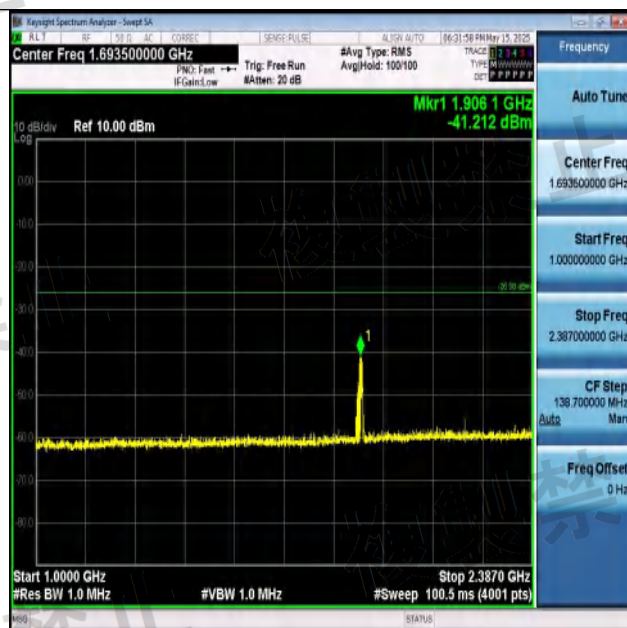
NTVN-2.4G-Ant1-2403-30~1000-PASS



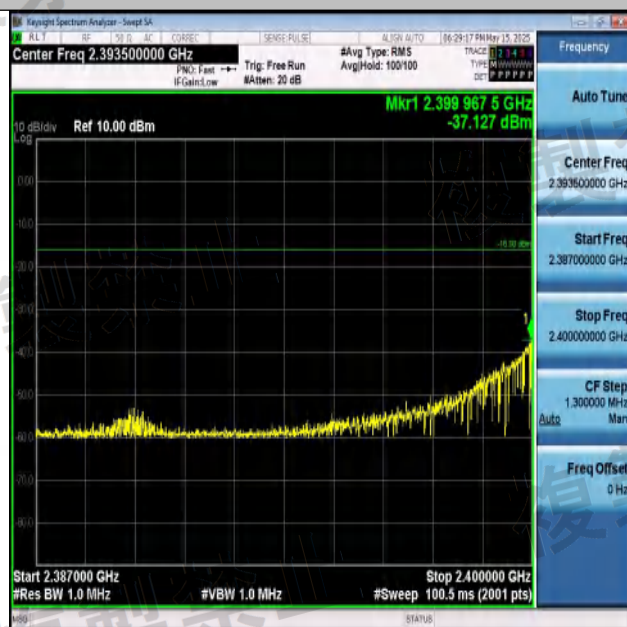
NTHV-2.4G-Ant1-2403-30~1000-PASS





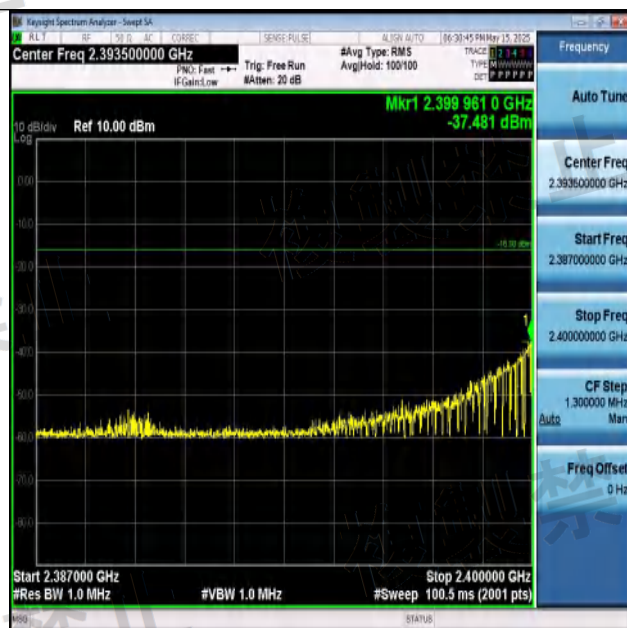


NTHV-2.4G-Ant1-2403-1000~2387-PASS

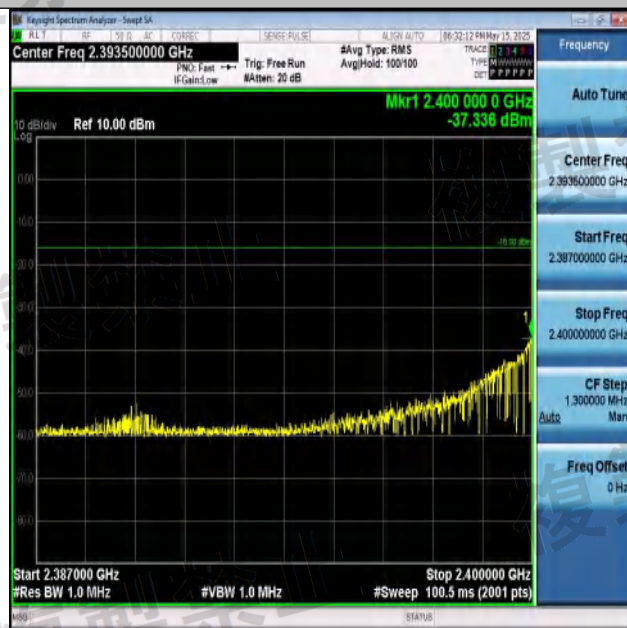


NTLV-2.4G-Ant1-2403-2387~2400-PASS



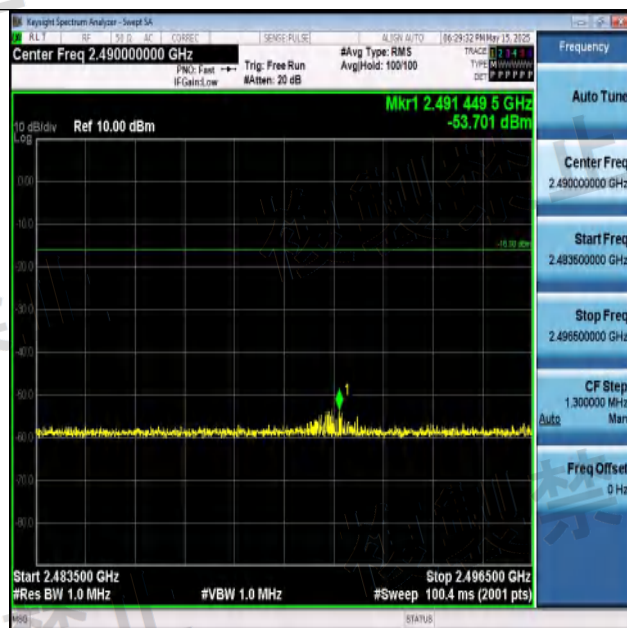


NTNV-2.4G-Ant1-2403-2387~2400-PASS

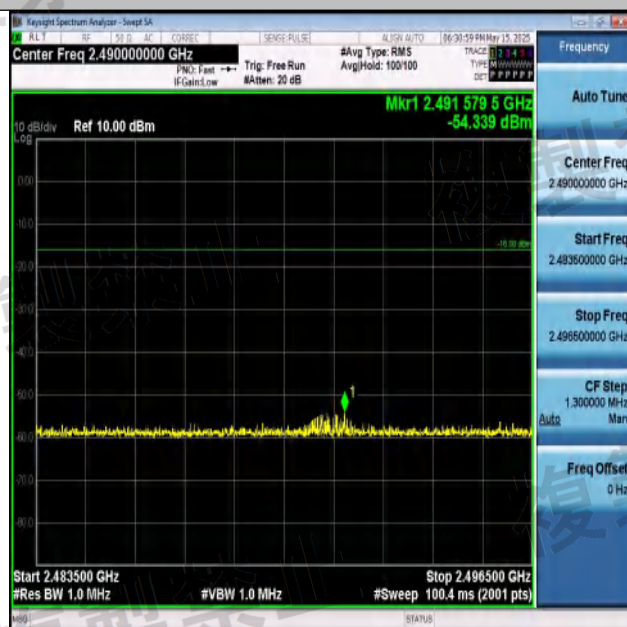


NTHV-2.4G-Ant1-2403-2387~2400-PASS



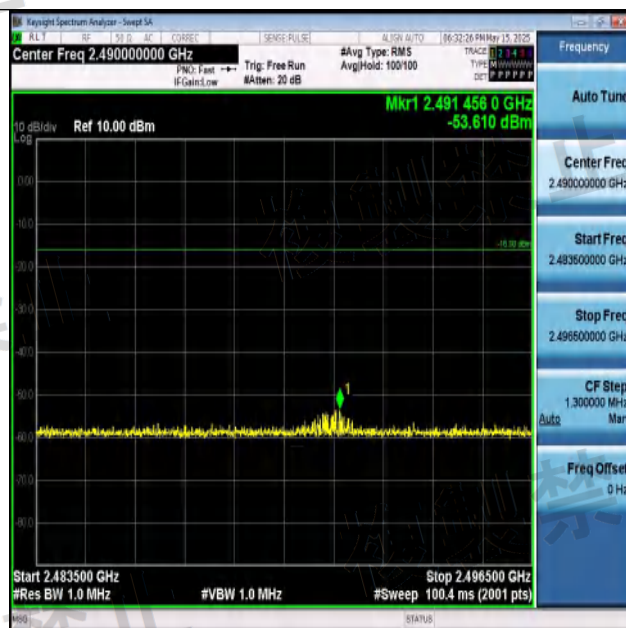


NTLV-2.4G-Ant1-2403-2483.5~2496.5-PASS

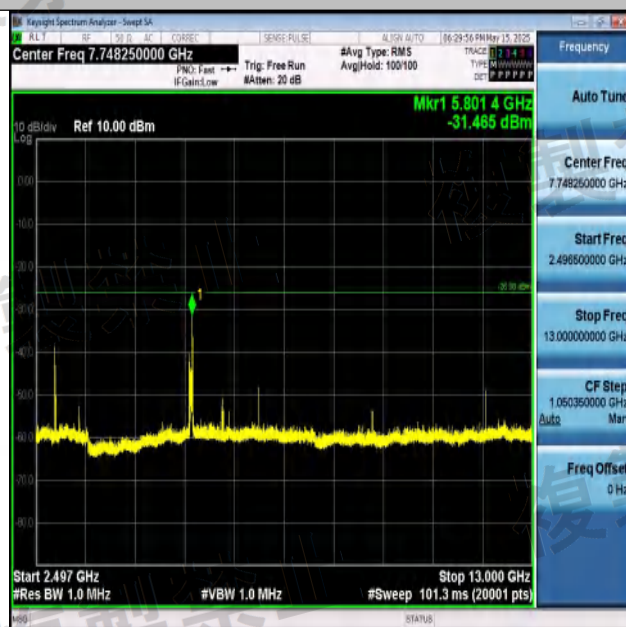


NTNV-2.4G-Ant1-2403-2483.5~2496.5-PASS



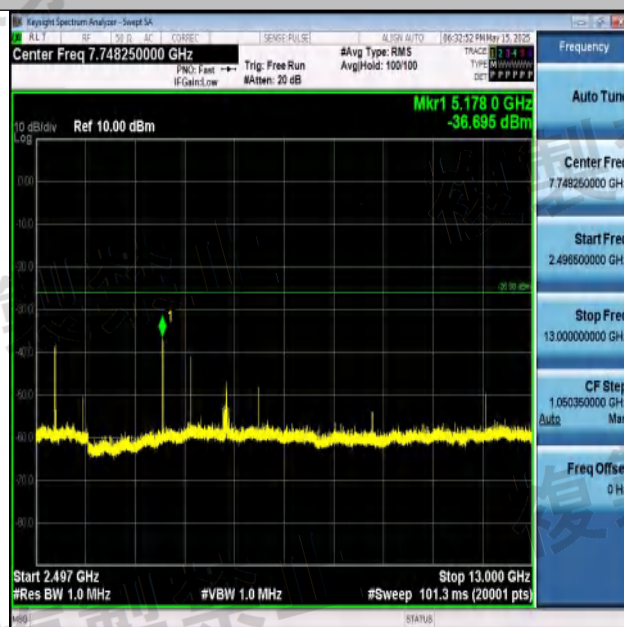
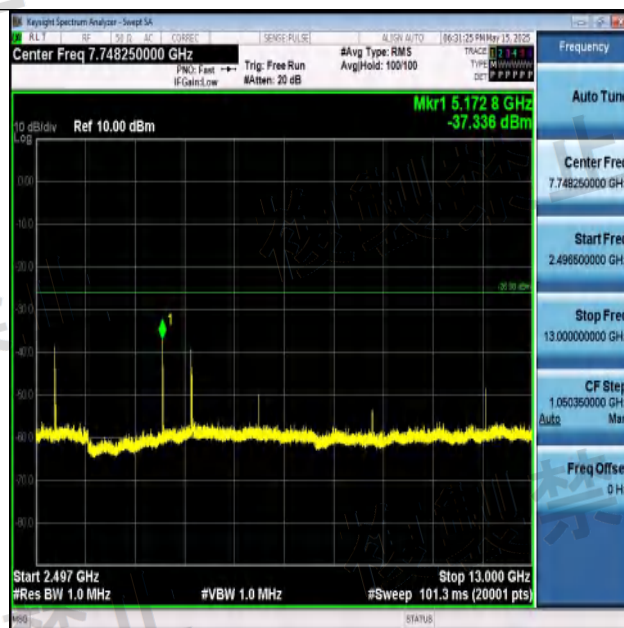


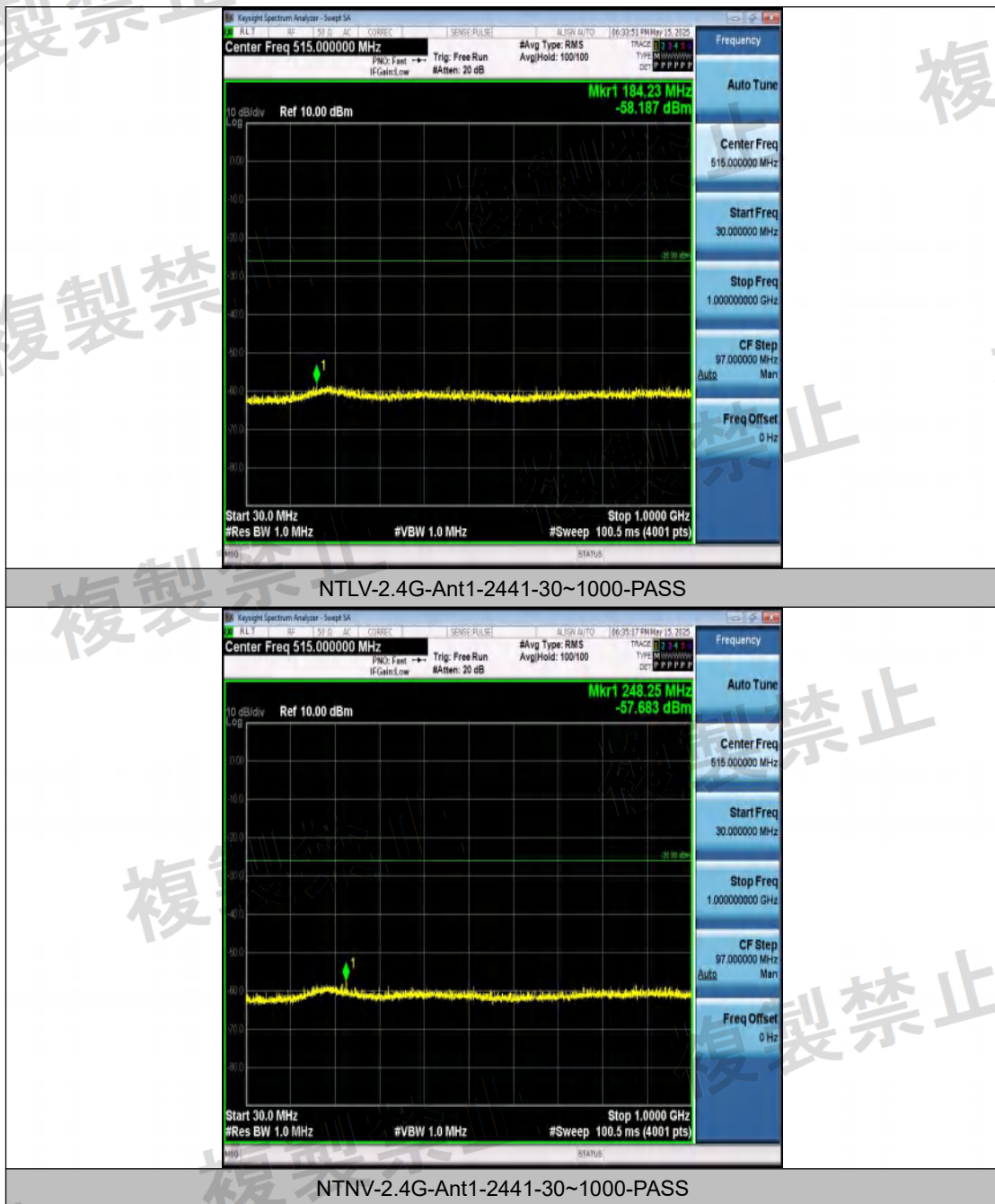
NTHV-2.4G-Ant1-2403-2483.5~2496.5-PASS

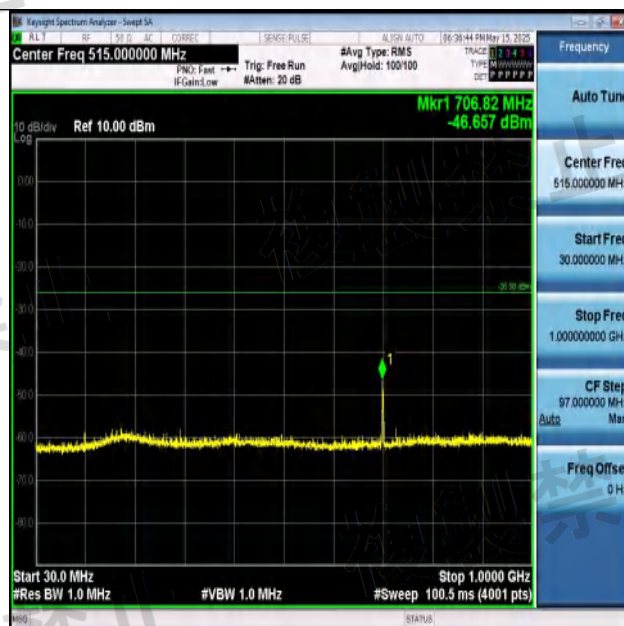


NTLV-2.4G-Ant1-2403-2496.5~13000-PASS

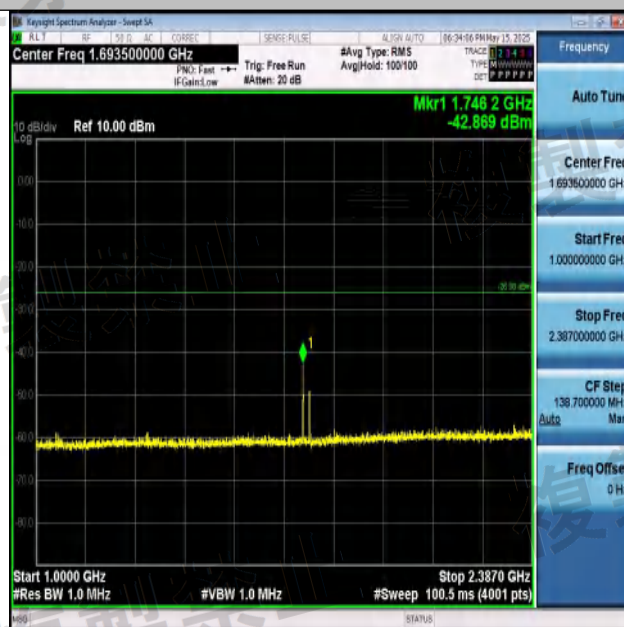






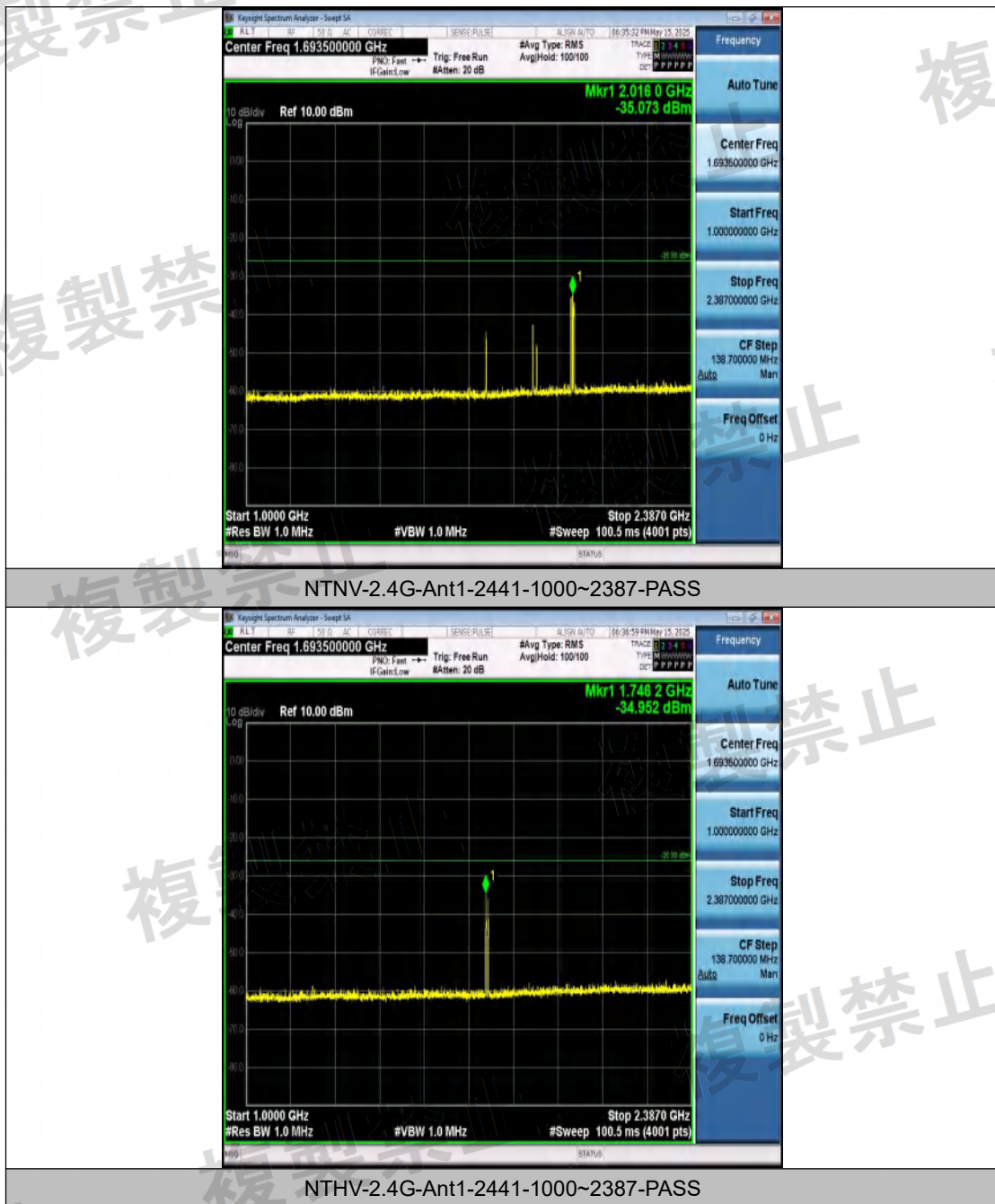


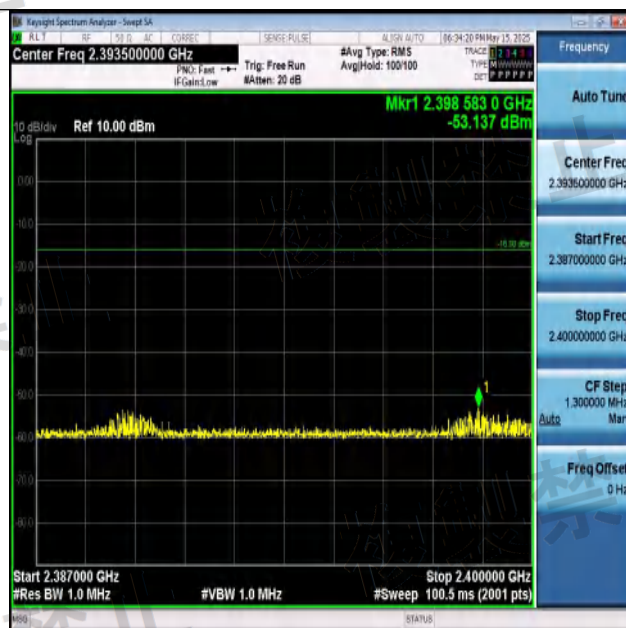
NTHV-2.4G-Ant1-2441-30~1000-PASS



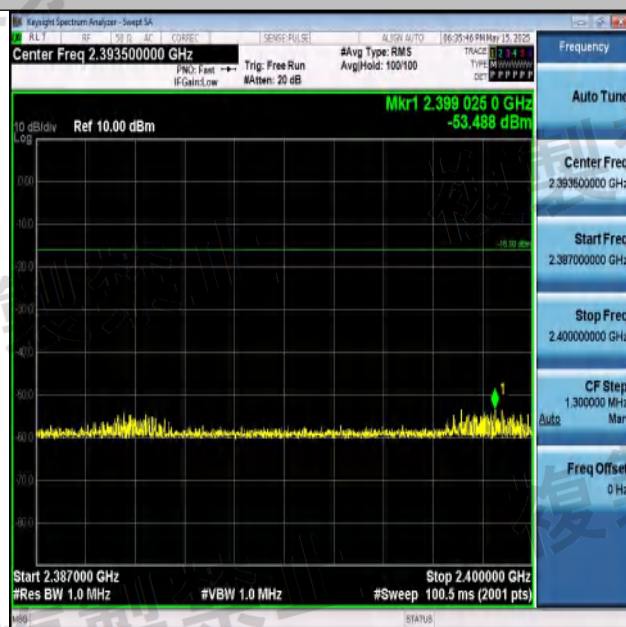
NTLV-2.4G-Ant1-2441-1000~2387-PASS





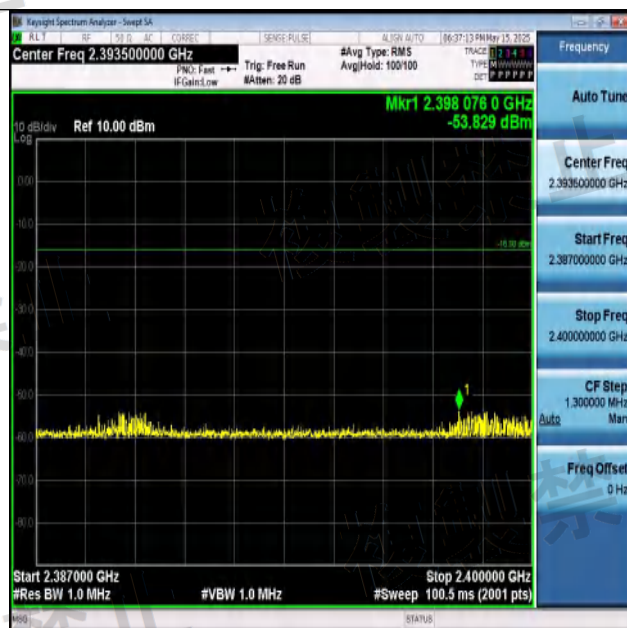


NTLV-2.4G-Ant1-2441-2387~2400-PASS

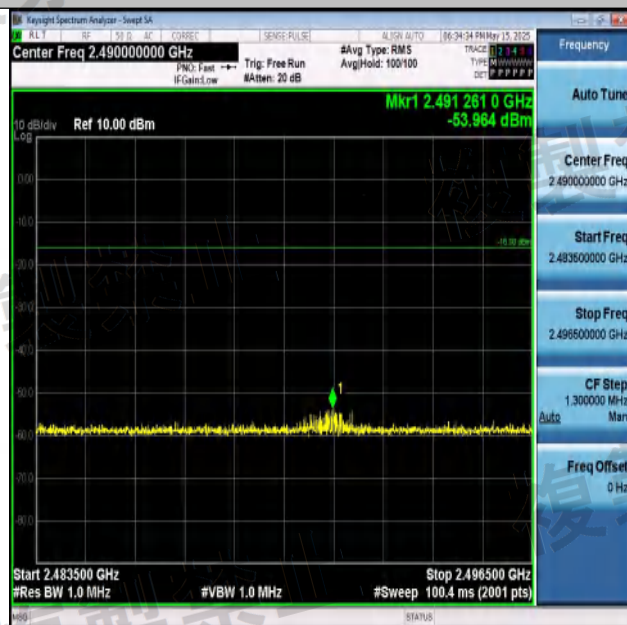


NTNV-2.4G-Ant1-2441-2387~2400-PASS



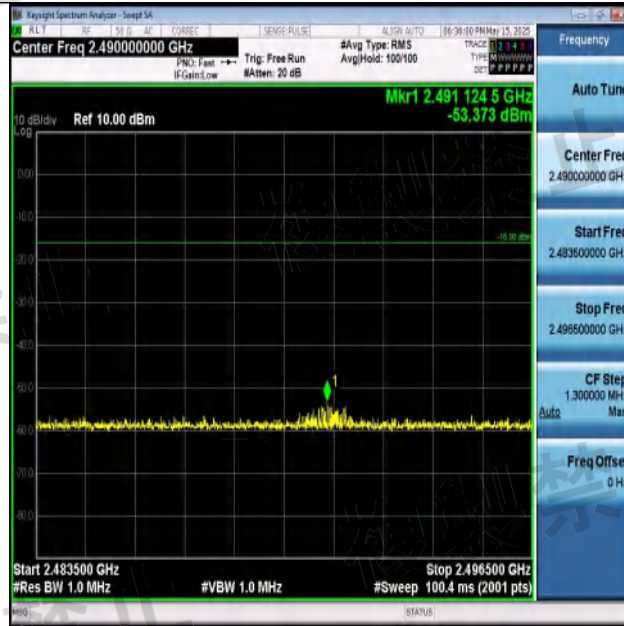


NTHV-2.4G-Ant1-2441-2387~2400-PASS

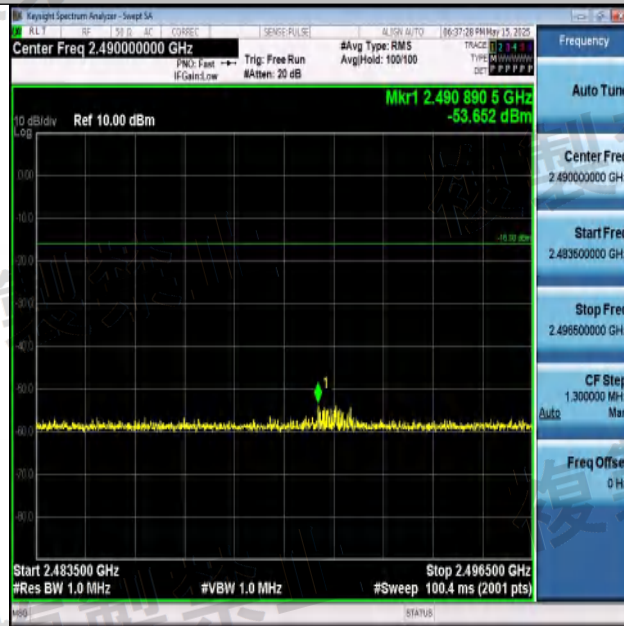


NTLV-2.4G-Ant1-2441-2483.5~2496.5-PASS



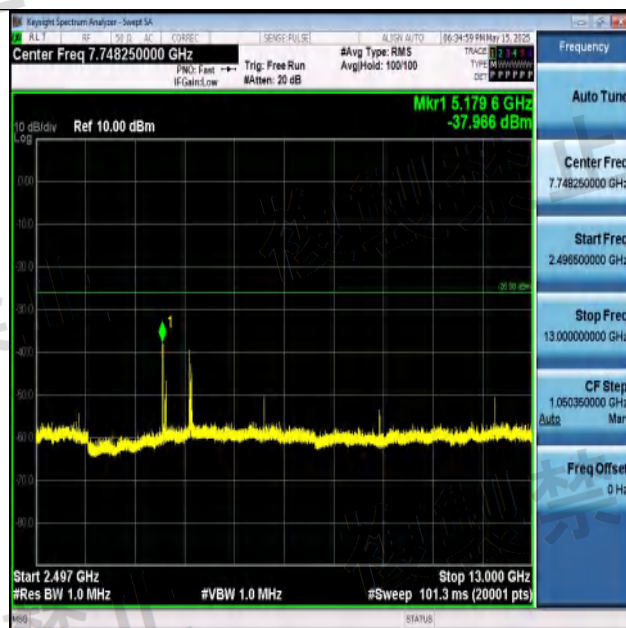


NTVN-2.4G-Ant1-2441-2483.5~2496.5-PASS

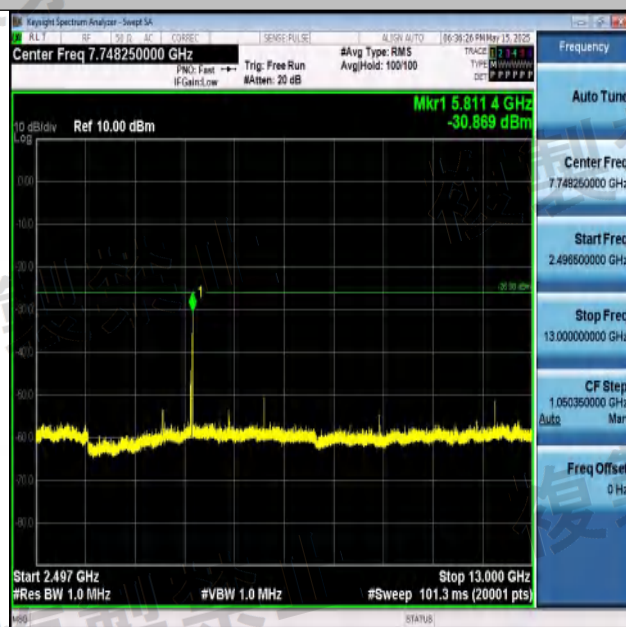


NTHV-2.4G-Ant1-2441-2483.5~2496.5-PASS



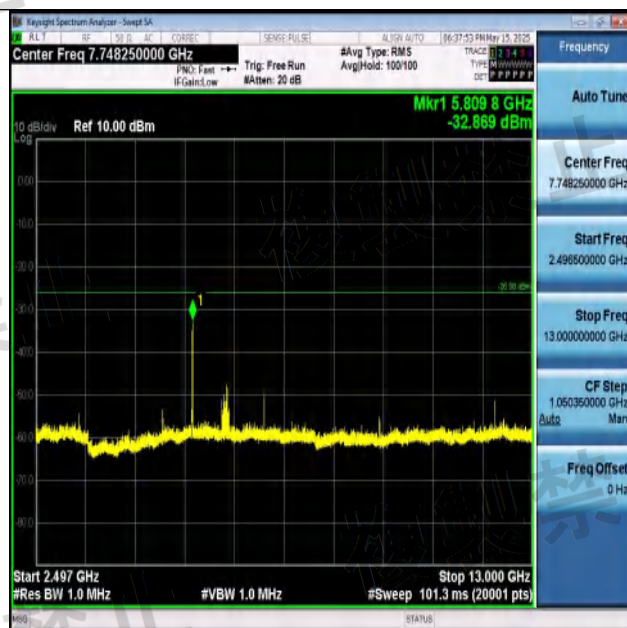


NTLV-2.4G-Ant1-2441-2496.5~13000-PASS

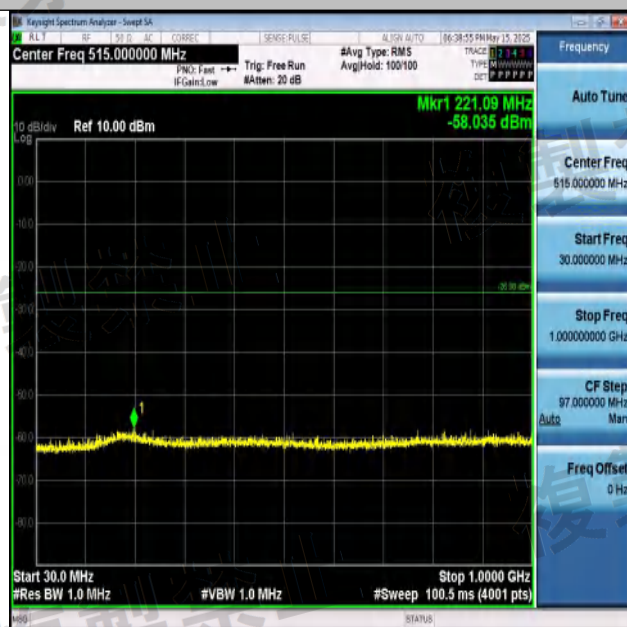


NTNV-2.4G-Ant1-2441-2496.5~13000-PASS



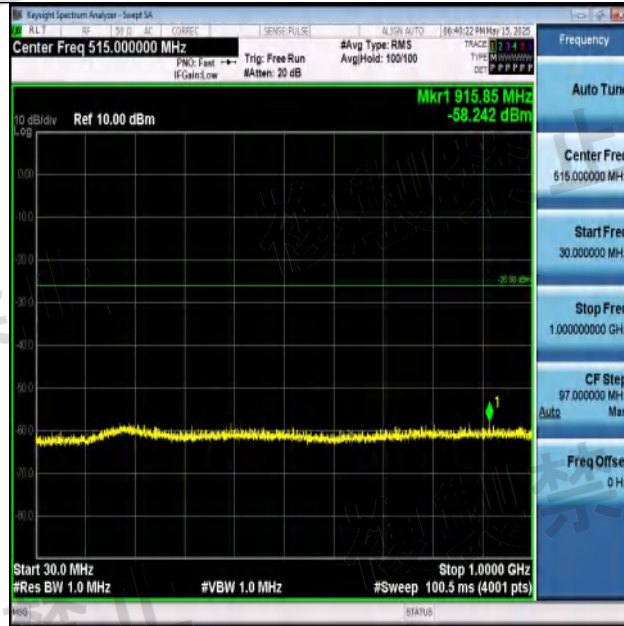


NTHV-2.4G-Ant1-2441-2496.5~13000-PASS

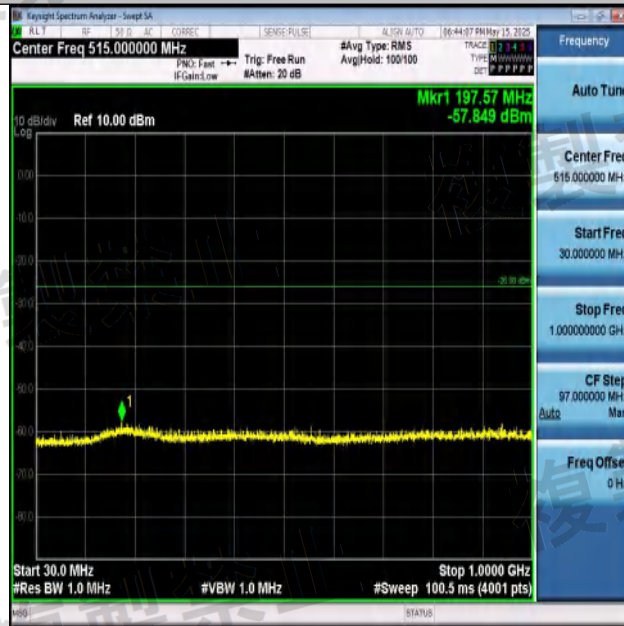


NTLV-2.4G-Ant1-2480-30~1000-PASS



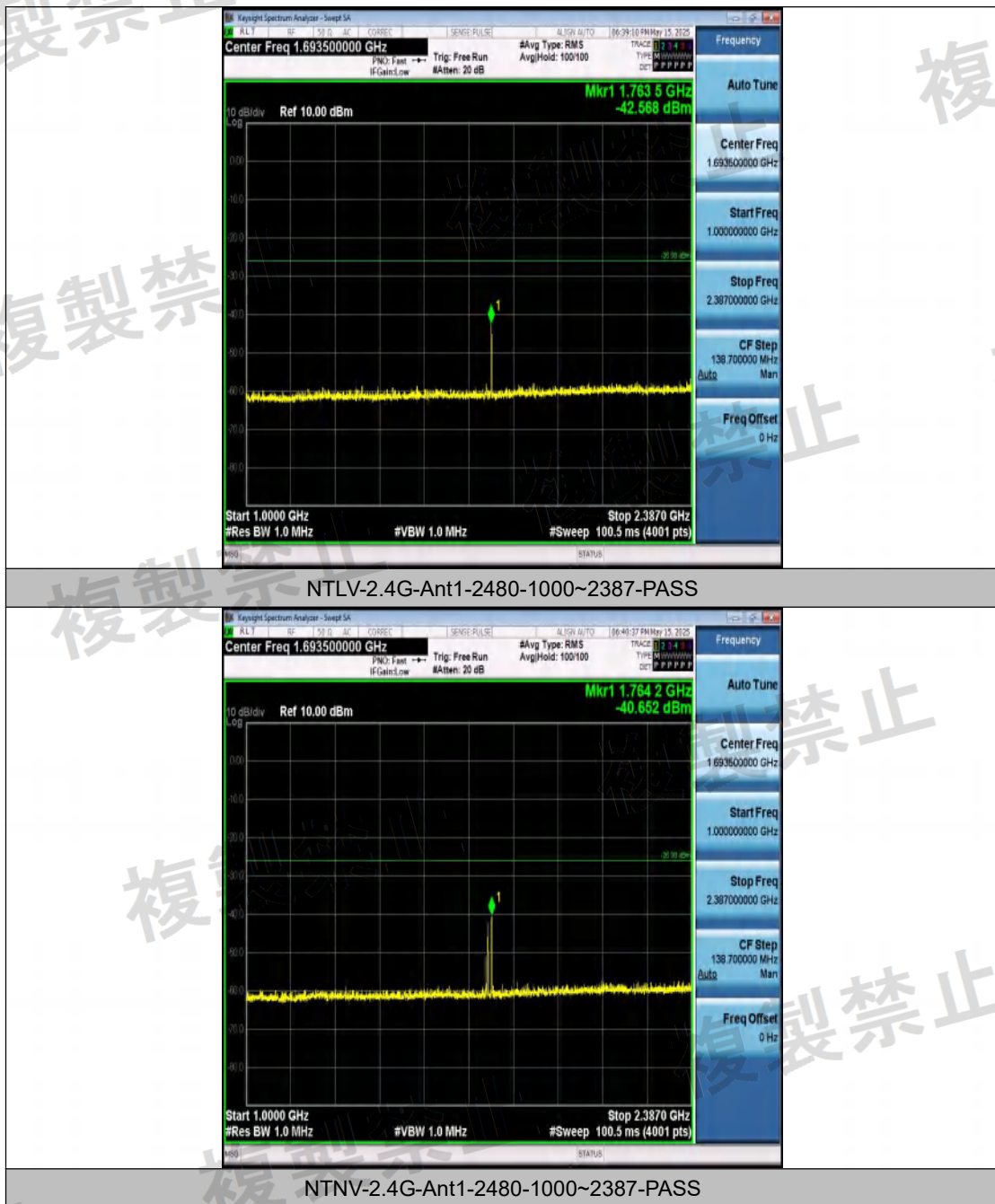


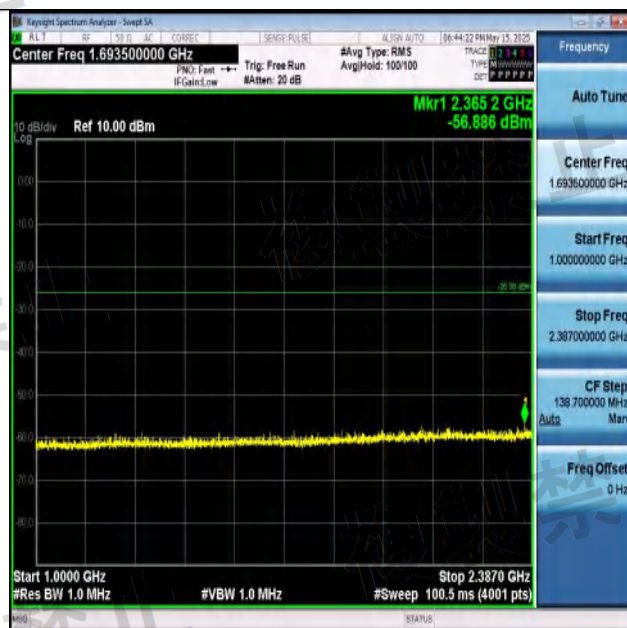
NTVN-2.4G-Ant1-2480-30~1000-PASS



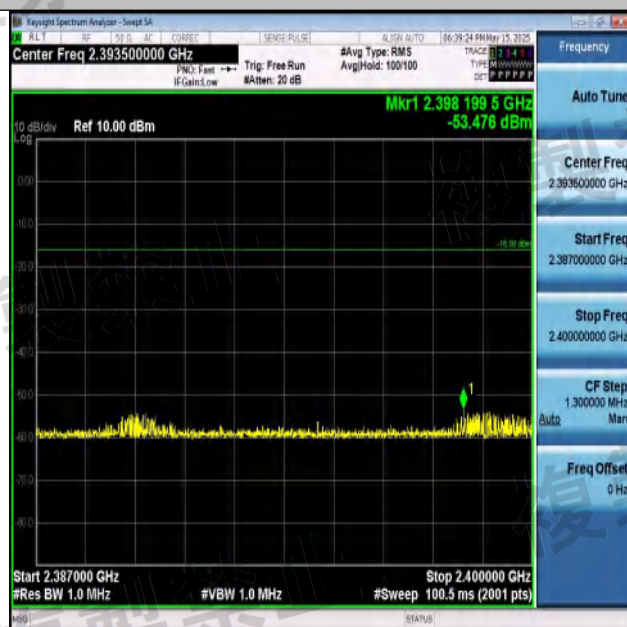
NTHV-2.4G-Ant1-2480-30~1000-PASS





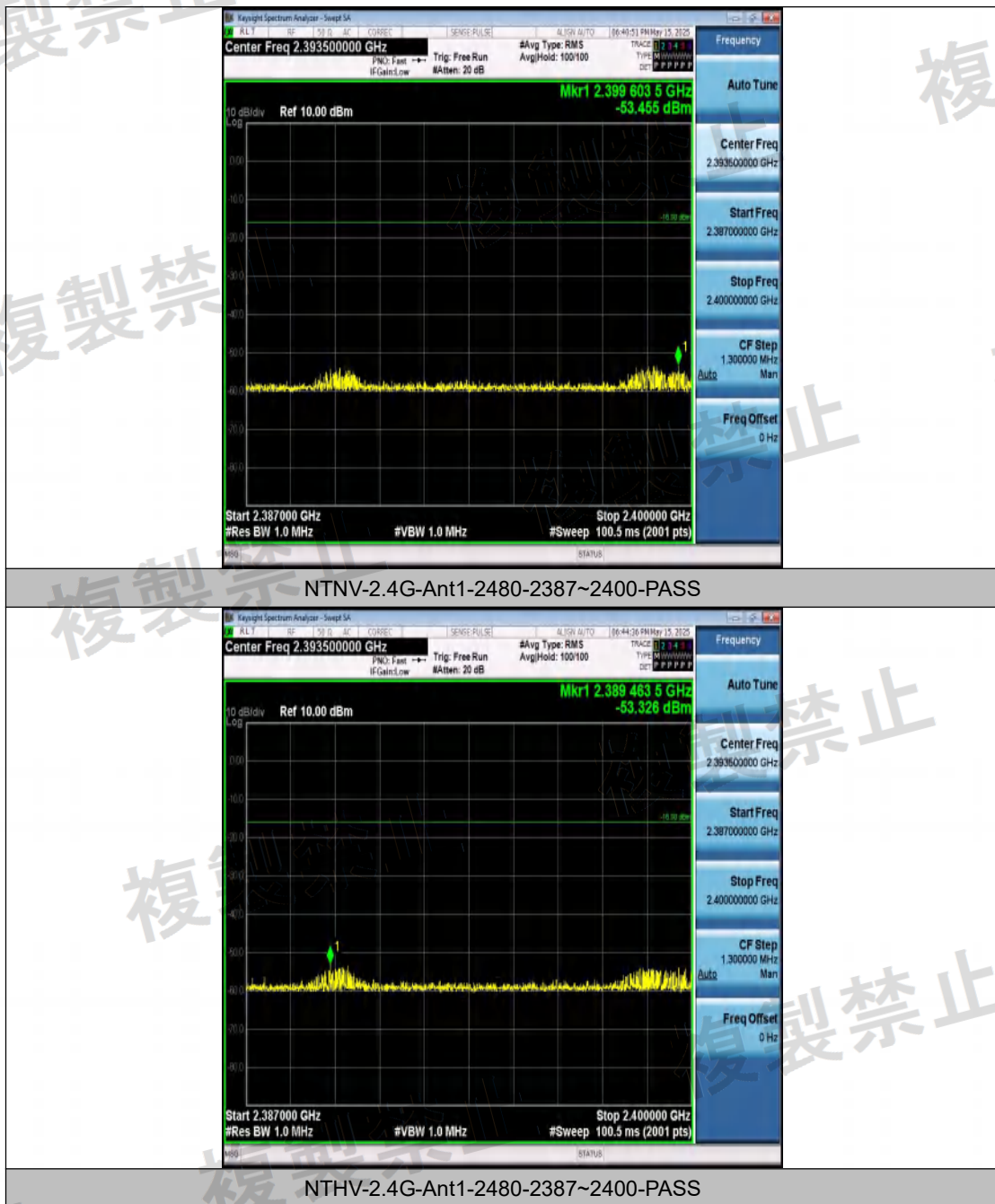


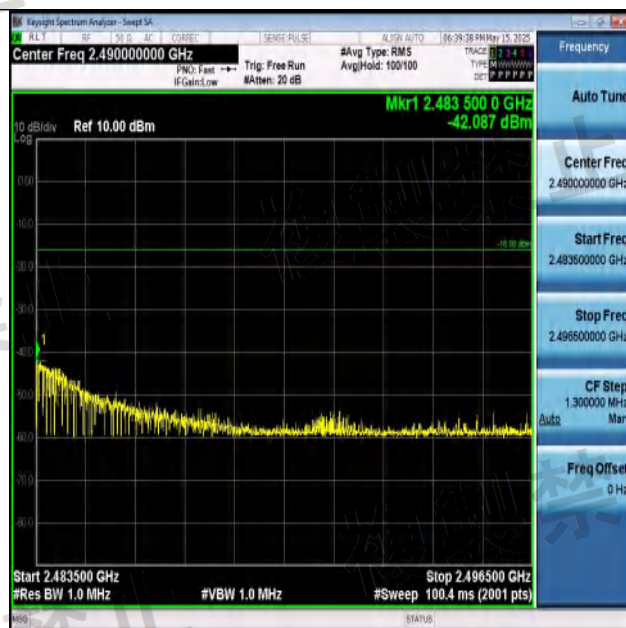
NTHV-2.4G-Ant1-2480-1000~2387-PASS



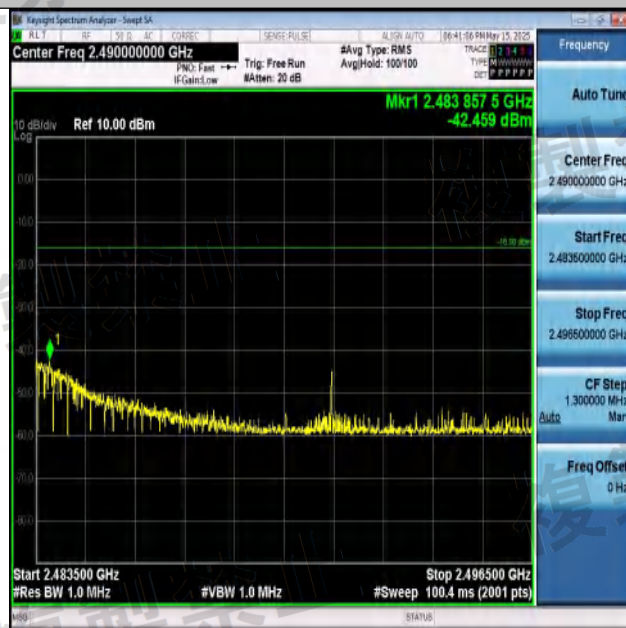
NTLV-2.4G-Ant1-2480-2387~2400-PASS





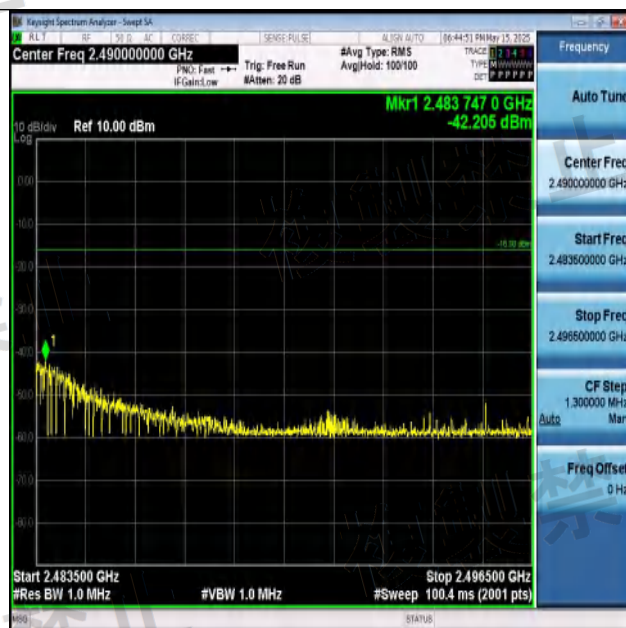


NTLV-2.4G-Ant1-2480-2483.5~2496.5-PASS

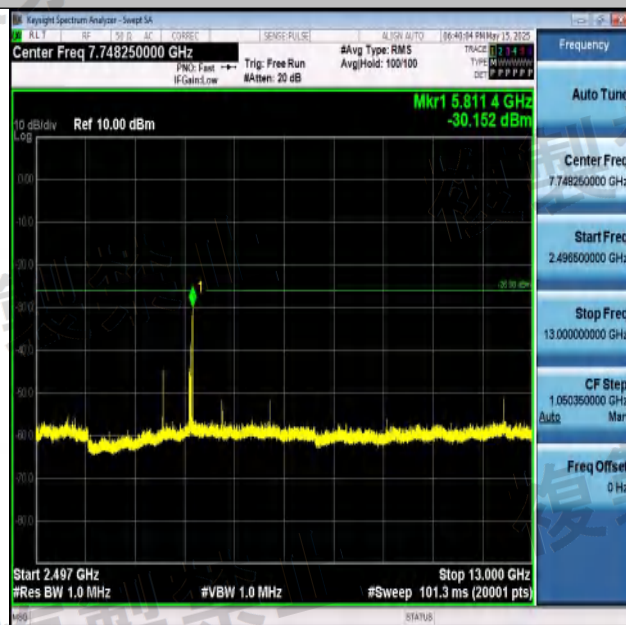


NTVN-2.4G-Ant1-2480-2483.5~2496.5-PASS



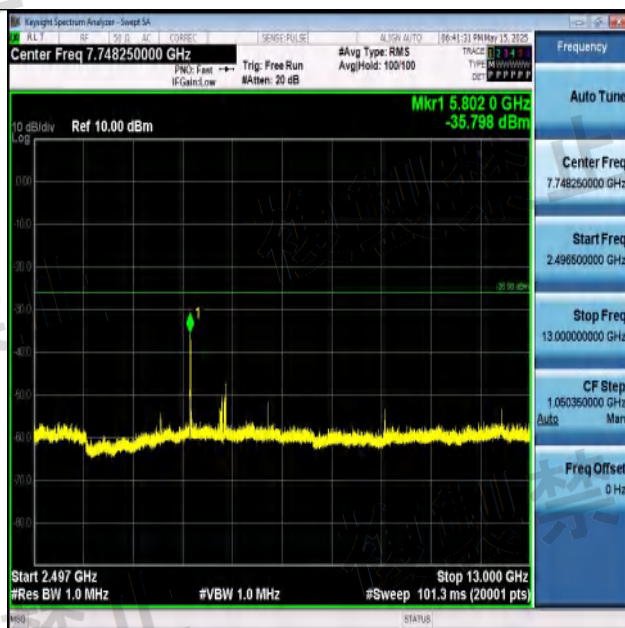


NTHV-2.4G-Ant1-2480~2483.5~2496.5-PASS

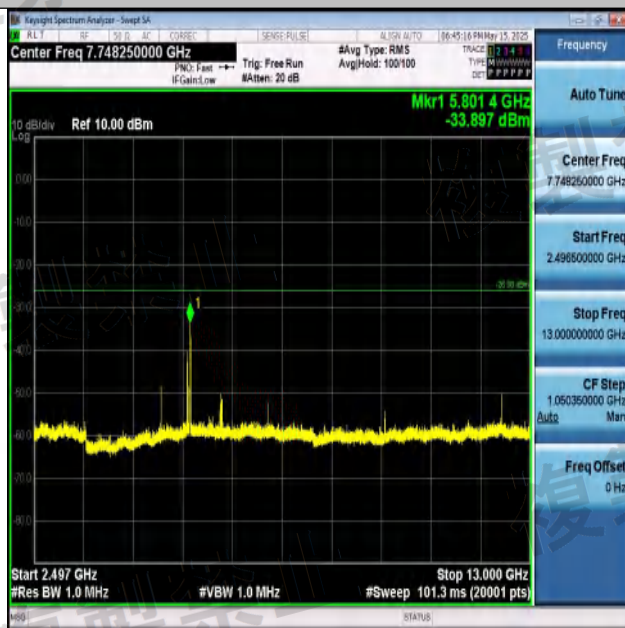


NTLV-2.4G-Ant1-2480~2496.5~13000-PASS





NTVN-2.4G-Ant1-2480-2496.5~13000-PASS



NTHV-2.4G-Ant1-2480-2496.5~13000-PASS



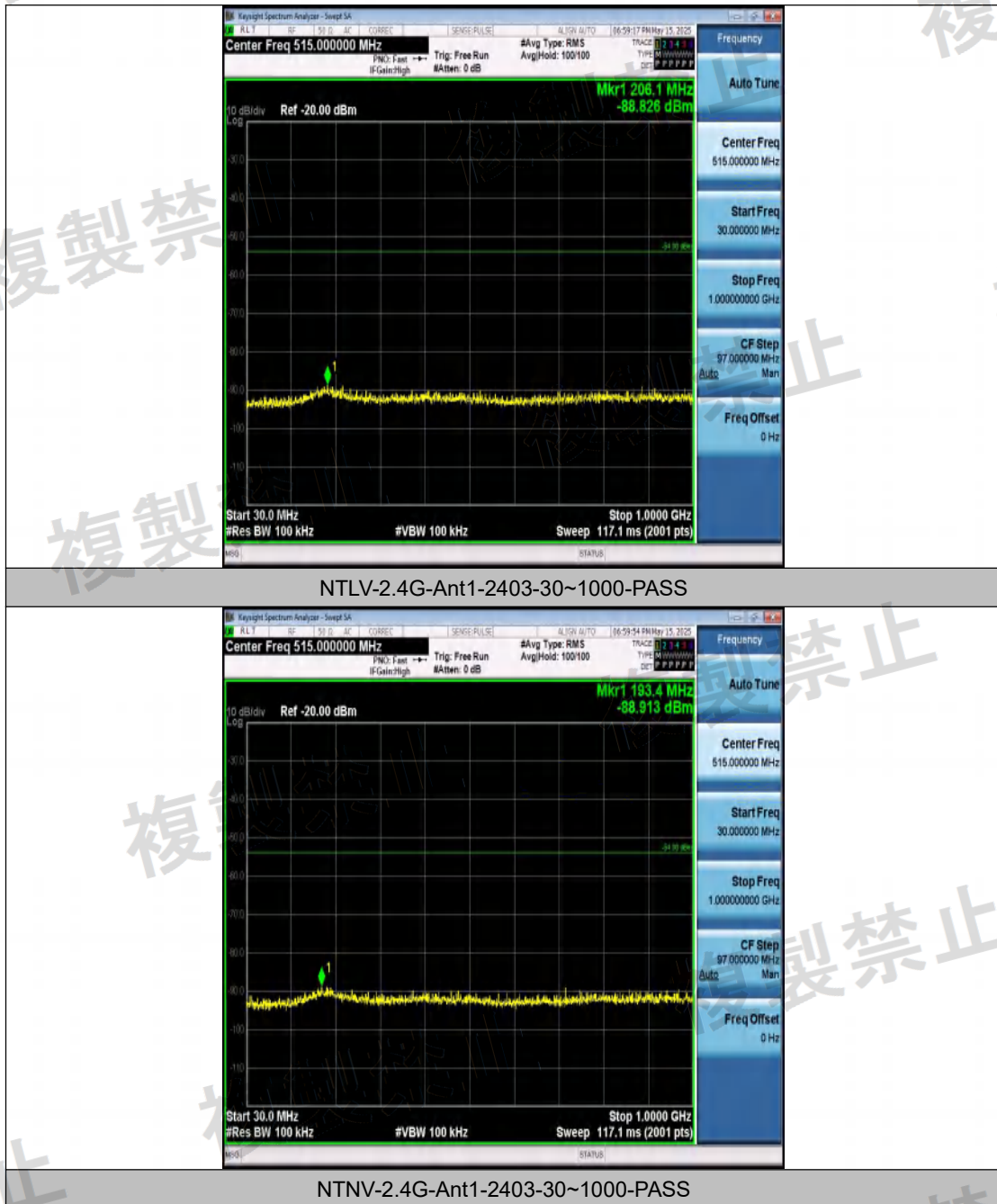
Appendix F: Spurious Emission of RX

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTLV	2.4G	Ant1	2403	30~1000	206.06	-88.83	≤-54	0.00131	≤4	PASS
NTNV	2.4G	Ant1	2403	30~1000	193.45	-88.91	≤-54	0.00129	≤4	PASS
NTHV	2.4G	Ant1	2403	30~1000	194.42	-88.39	≤-54	0.00145	≤4	PASS
NTLV	2.4G	Ant1	2403	1000~12500	6256.08	-76.33	≤-47	0.02328	≤20	PASS
NTNV	2.4G	Ant1	2403	1000~12500	3252.28	-76.75	≤-47	0.02113	≤20	PASS
NTHV	2.4G	Ant1	2403	1000~12500	2664.05	-76.56	≤-47	0.02208	≤20	PASS
NTLV	2.4G	Ant1	2441	30~1000	209.94	-88.69	≤-54	0.00135	≤4	PASS
NTNV	2.4G	Ant1	2441	30~1000	195.87	-88.78	≤-54	0.00132	≤4	PASS
NTHV	2.4G	Ant1	2441	30~1000	198.30	-88.12	≤-54	0.00154	≤4	PASS
NTLV	2.4G	Ant1	2441	1000~12500	12397.08	-75.98	≤-47	0.02523	≤20	PASS
NTNV	2.4G	Ant1	2441	1000~12500	5800.68	-76.90	≤-47	0.02042	≤20	PASS
NTHV	2.4G	Ant1	2441	1000~12500	3132.68	-76.44	≤-47	0.02270	≤20	PASS
NTLV	2.4G	Ant1	2480	30~1000	278.32	-88.60	≤-54	0.00138	≤4	PASS
NTNV	2.4G	Ant1	2480	30~1000	216.24	-87.54	≤-54	0.00176	≤4	PASS
NTHV	2.4G	Ant1	2480	30~1000	210.42	-87.97	≤-54	0.00160	≤4	PASS
NTLV	2.4G	Ant1	2480	1000~12500	3315.53	-76.85	≤-47	0.02065	≤20	PASS
NTNV	2.4G	Ant1	2480	1000~12500	12267.13	-76.63	≤-47	0.02173	≤20	PASS
NTHV	2.4G	Ant1	2480	1000~12500	2670.95	-76.47	≤-47	0.02254	≤20	PASS

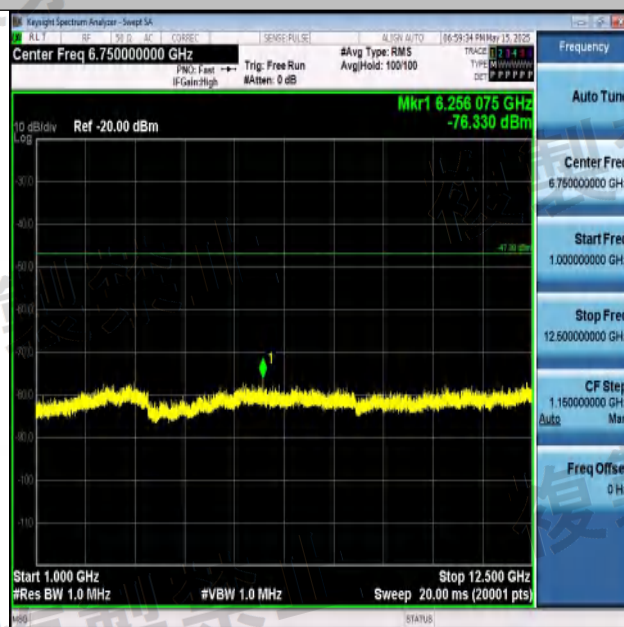


Test Graphs



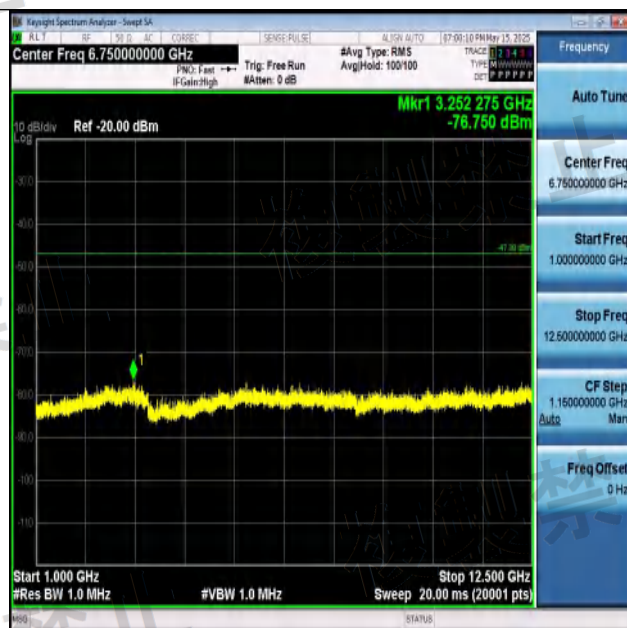


NTHV-2.4G-Ant1-2403-30~1000-PASS

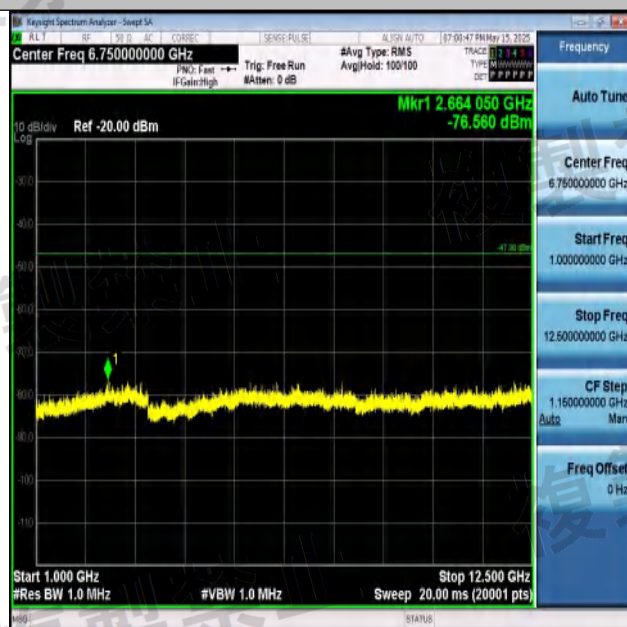


NTLV-2.4G-Ant1-2403-1000~12500-PASS



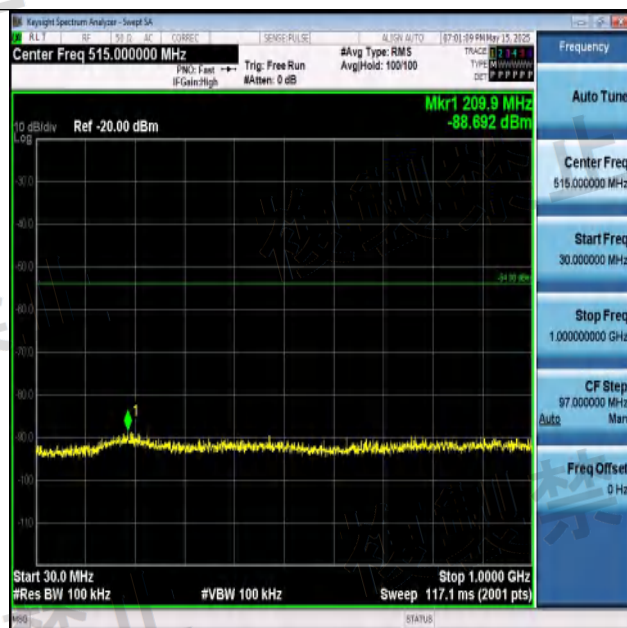


NTVN-2.4G-Ant1-2403-1000~12500-PASS

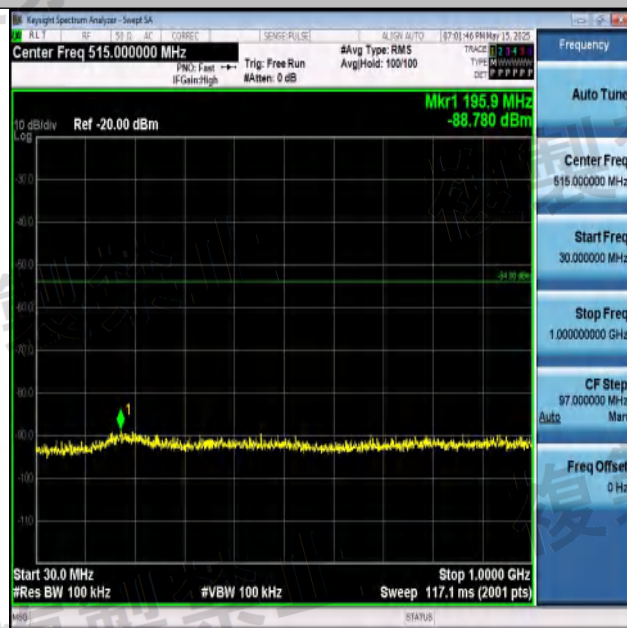


NTHV-2.4G-Ant1-2403-1000~12500-PASS



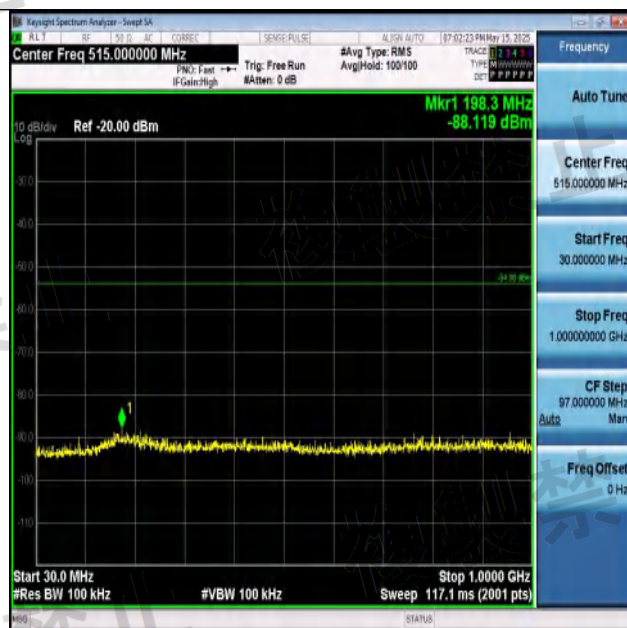


NTLV-2.4G-Ant1-2441-30~1000-PASS

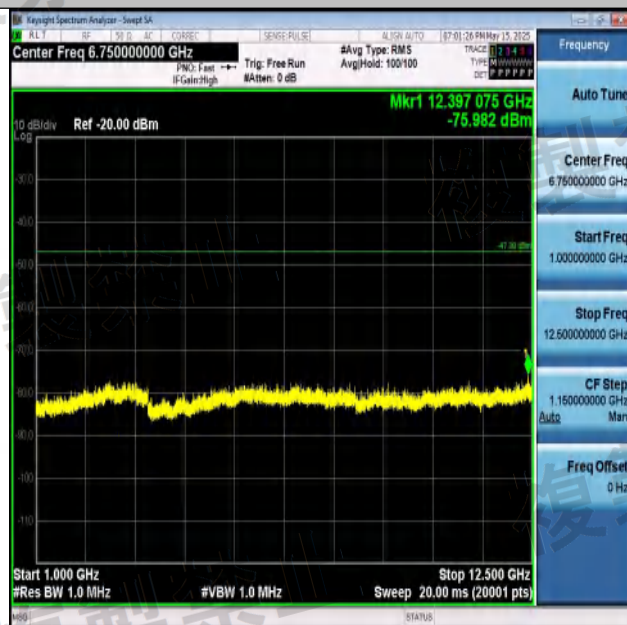


NTNV-2.4G-Ant1-2441-30~1000-PASS



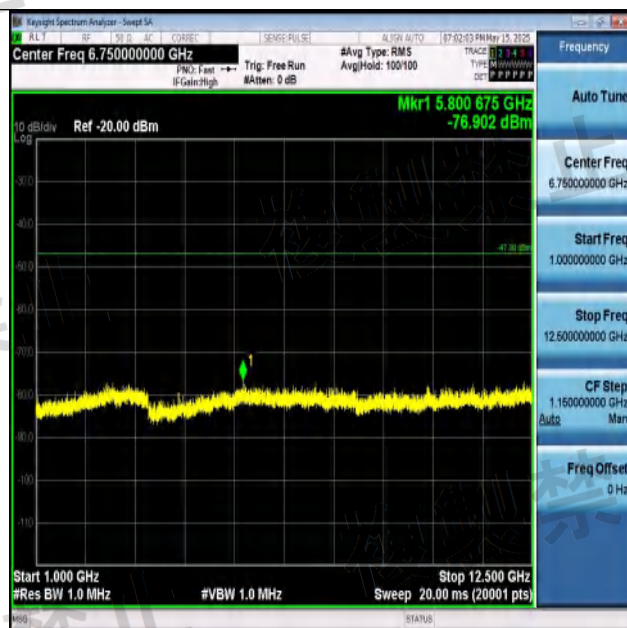


NTHV-2.4G-Ant1-2441-30~1000-PASS

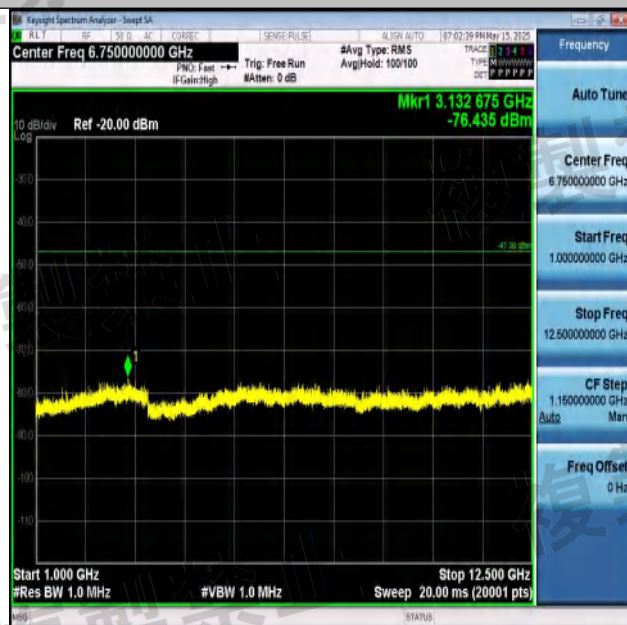


NTLV-2.4G-Ant1-2441-1000~12500-PASS



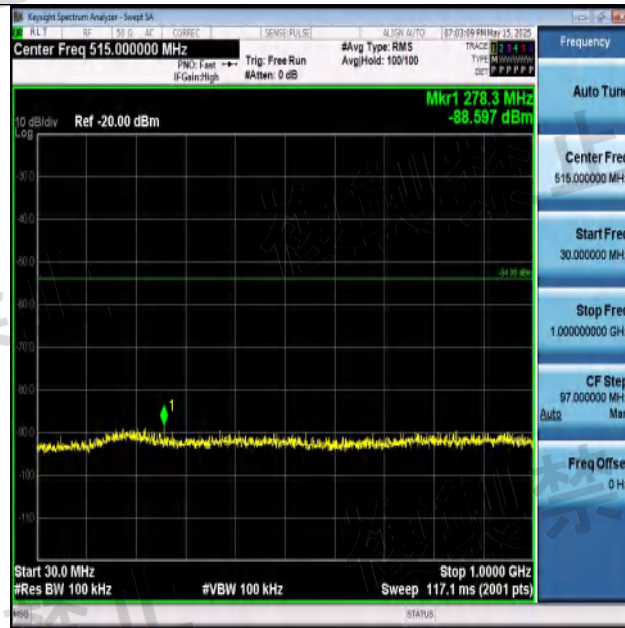


NTNV-2.4G-Ant1-2441-1000~12500-PASS

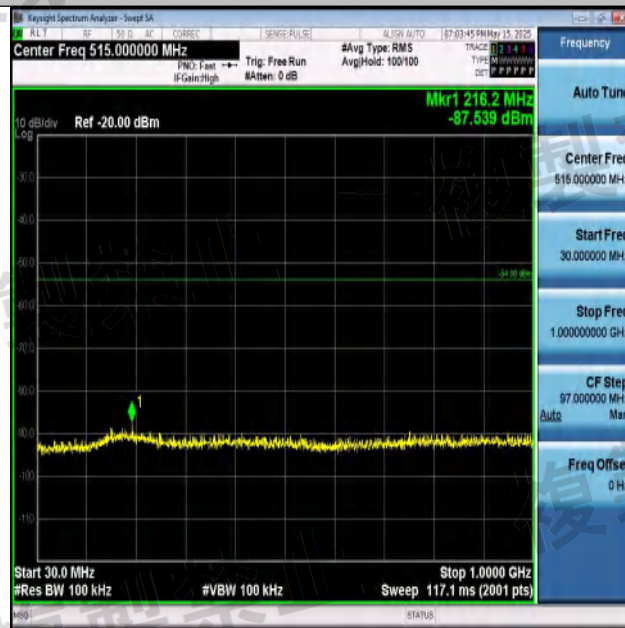


NTHV-2.4G-Ant1-2441-1000~12500-PASS



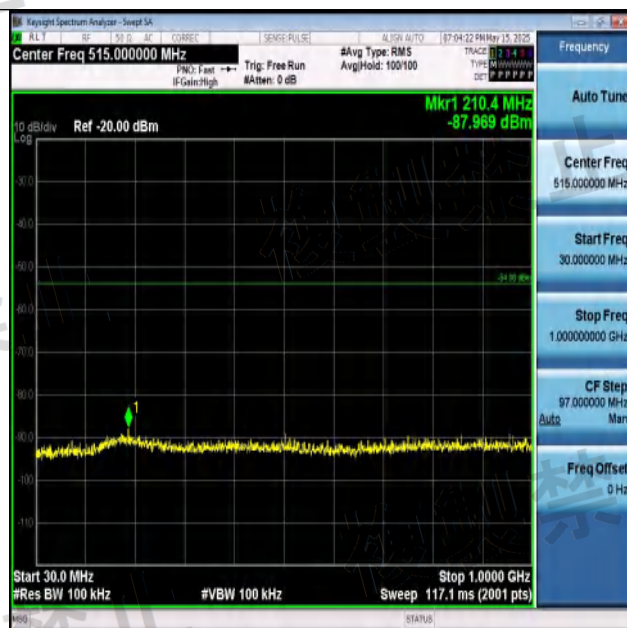


NTLV-2.4G-Ant1-2480-30~1000-PASS

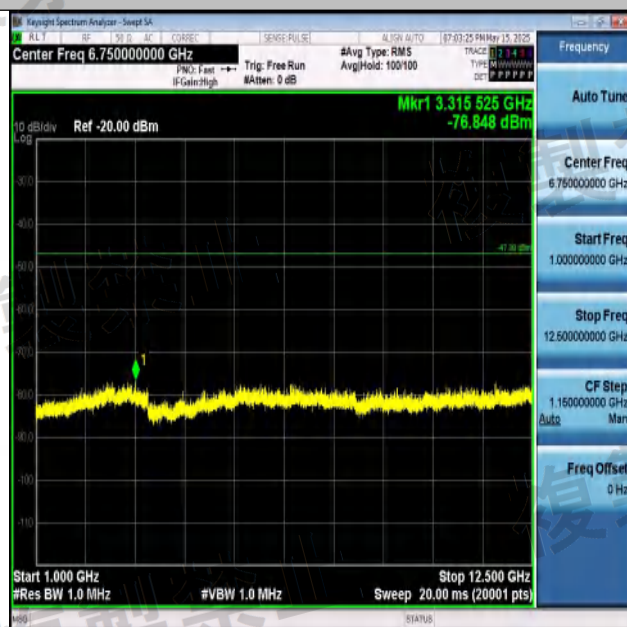


NNTV-2.4G-Ant1-2480-30~1000-PASS



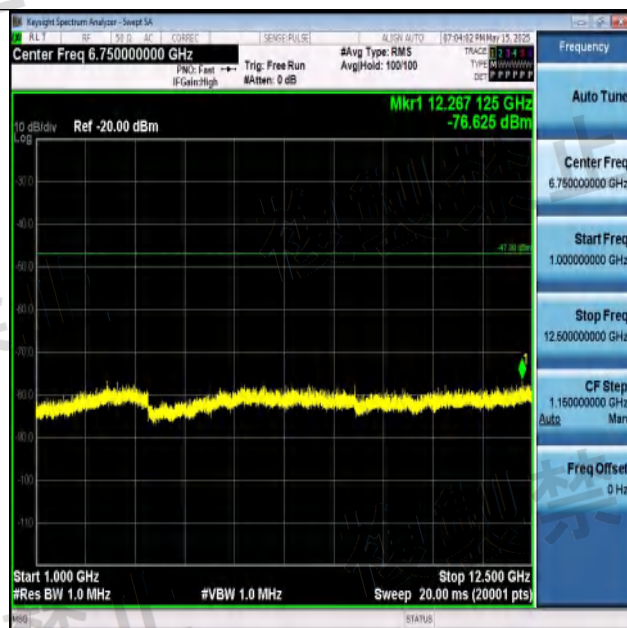


NTHV-2.4G-Ant1-2480-30~1000-PASS

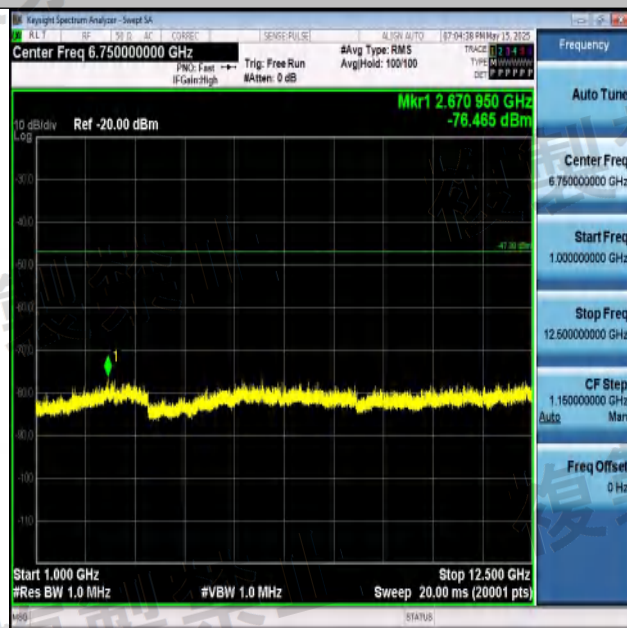


NTLV-2.4G-Ant1-2480-1000~12500-PASS





NTNV-2.4G-Ant1-2480-1000~12500-PASS



NTHV-2.4G-Ant1-2480-1000~12500-PASS



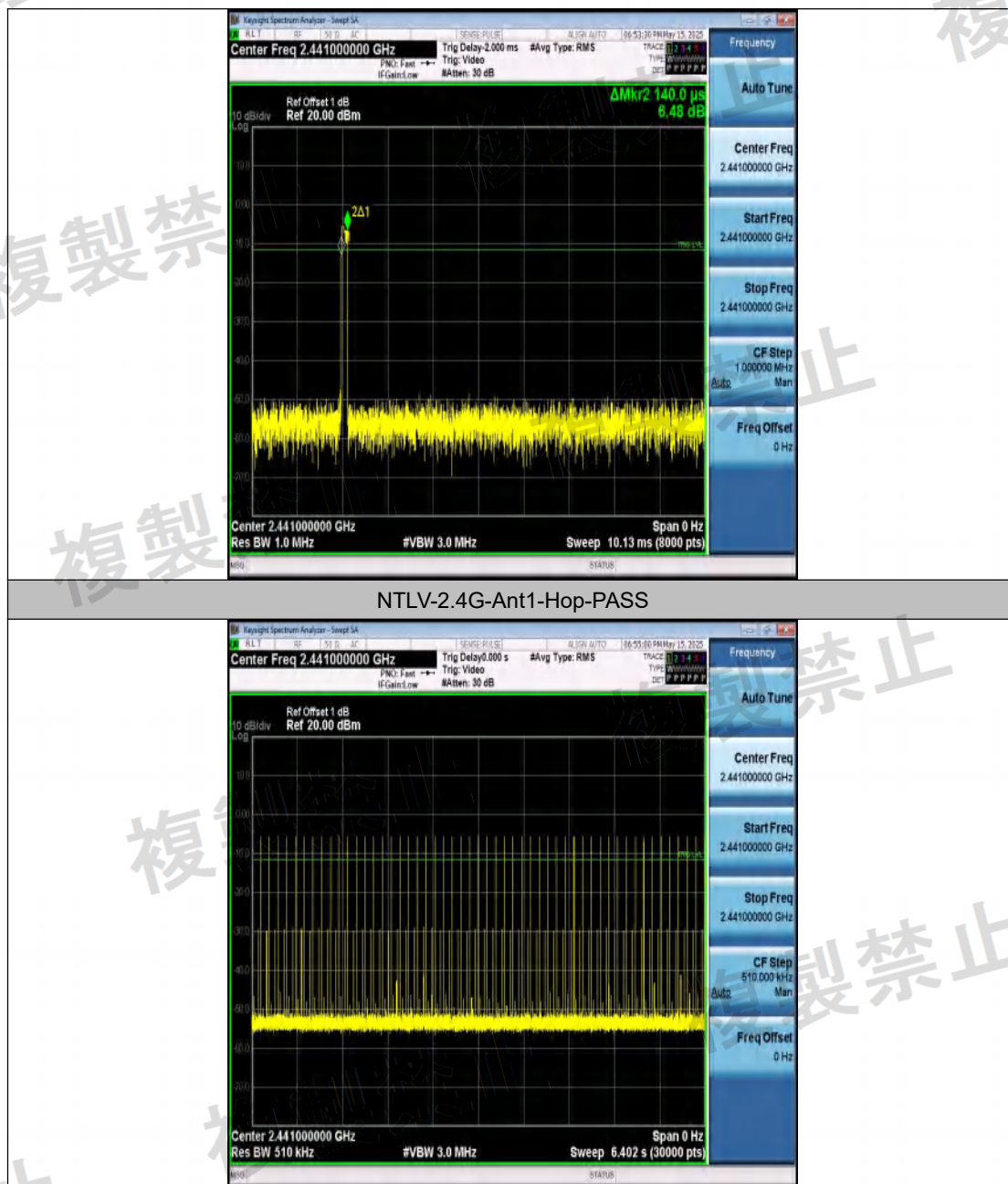
Appendix G: Dwell Time

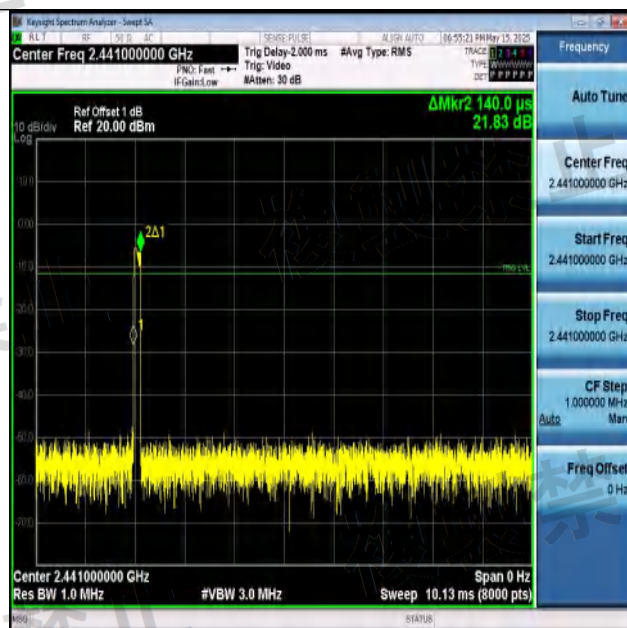
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTLV	2.4G	Ant1	Hop	0.14	52	0.007	≤0.4	PASS
NTNV	2.4G	Ant1	Hop	0.14	52	0.007	≤0.4	PASS
NTHV	2.4G	Ant1	Hop	0.14	52	0.007	≤0.4	PASS

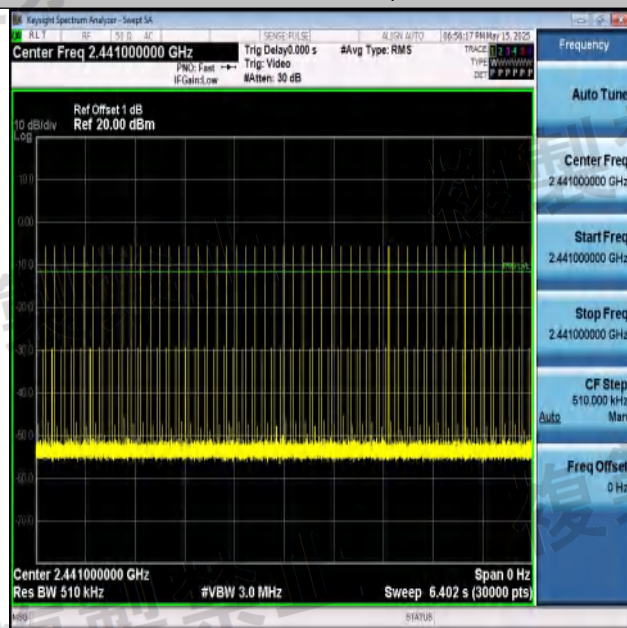


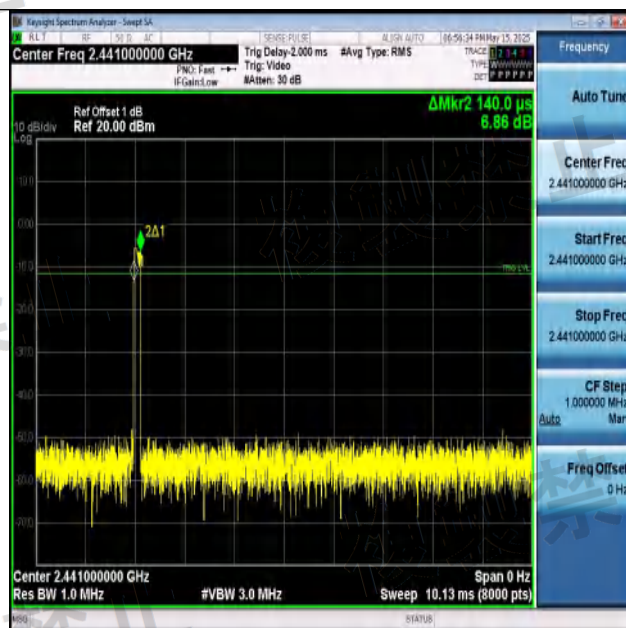
Test Graphs



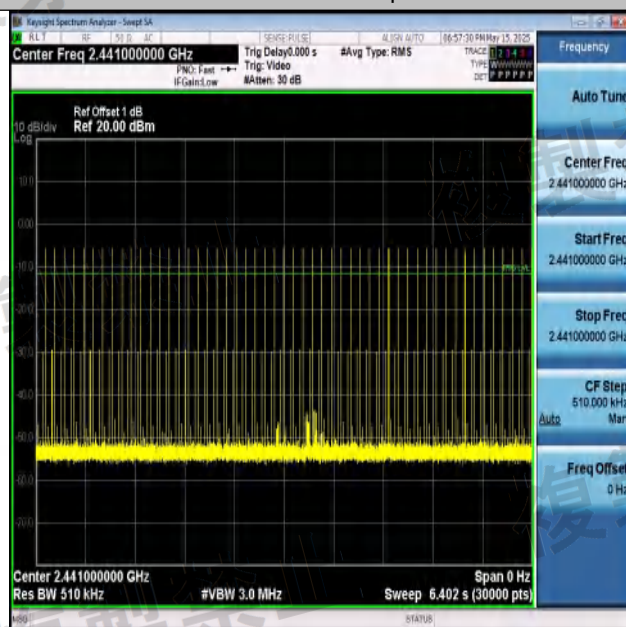


NTNV-2.4G-Ant1-Hop-PASS





NTHV-2.4G-Ant1-Hop-PASS



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

