

Japan Specified Radio Test Report

Report No. : 1811C50039712502

Applicant : Anker Innovations Limited

Address : Unit 56, 8th Floor, Tower 2, Admiralty Centre,
18 Harcourt Road, Hong Kong

Product Name : Anker SOLIX F3000 Portable Power Station

Report Date : 2025-06-05

Shenzhen Anbotek Compliance Laboratory Limited



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TEST REPORT

Applicant : Anker Innovations Limited
Manufacturer : Anker Innovations Limited
Product Name : Anker SOLIX F3000 Portable Power Station
Model No. : A1782
Trade Mark : 
Rating(s) : Please refer to page 7.

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

2025-03-17

Date of Test

2025-03-17 to 2025-03-28

Prepared By



(Lene Chen)

Approved & Authorized Signer



(Kingkong Jin)



Revision History

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



1. General Information

1.1. Client Information

Applicant	:	Anker Innovations Limited
Address	:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer	:	Anker Innovations Limited
Address	:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

1.2. Description of Device (EUT)

Product Name	:	Anker SOLIX F3000 Portable Power Station
Model No.	:	A1782
Trade Mark	:	
Test Power Supply	:	DC 51.2V battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Hardware Version	:	V1.0
Software Version	:	V1.0
Adapter	:	N/A
RF Specification		
Operation Mode	:	☒ 802.11b ☒ 802.11g ☒ 802.11n(HT20) ☒ 802.11n(HT40)
Operation Frequency	:	2412~2472MHz
Number of Channel	:	13 Channel for 20MHz bandwidth (2412~2472MHz) 9 channels for 40MHz bandwidth (2422~2462MHz)
Modulation Type	:	☒ 802.11b: DSSS (CCK, DQPSK, DBPSK) ☒ 802.11g: OFDM (BPSK, QPSK, 16QAM, 64QAM) ☒ 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Antenna Type	:	FPC Antenna
Antenna Gain(Peak)	:	3.78dBi
Rated output Power	:	802.11b: 10 mW/MHz Max. 802.11g: 10 mW/MHz Max. 802.11n(HT20) 10 mW/MHz Max. 802.11n(HT40) 5 mW/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.



Rating(s):

Anker SOLIX F3000 Portable Power Station

品番: A1782 定格容量: 51.2Vdc 60000mAh/3072Wh

AC入力 (AC Input/Output Port):
100V~ 15A Max, 1500W Max, 50Hz/60Hz
100V~ 30A Max, 3000W Max, 50Hz/60Hz
200V~ 15A Max, 3000W Max, 50Hz/60Hz
AC入力 (AC Input/Output Port; パススルー):
100V~ 15A Max, 1500W Max, 50Hz/60Hz
AC出力 (AC Input/Output Port): 100V~ 30A Max, 3000W Max, 50Hz/60Hz
AC出力 (NEMA 5-15): 100V~ 15A Max, 50Hz/60Hz, Total 3000W Max
High-PV 入力: 11-165V~17A Max (1600W Max)
Low-PV 入力: 11-60V~17A Max (800W Max)
DC 入力: 60V Max, 120A Max
USB-C 出力: 5V=3A/ 9V=3A/ 15V=3A/ 20V=3A/ 20V=5A (100W Max Per Port)
USB-A 出力: 5V=2.4A (12W Max Per Port)
シガーソケット出力: 12V=10A アンダーソン出力: 13.4V=30A
動作温度 (機器の充電時): -20°C~+40°C 動作温度 (本製品の充電時): 0°C~+40°C

For use with Anker SOLIX F3000 Portable Power Station Expansion Battery (3072Wh) only

Anker Innovations Limited
Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Made in China

Ⓡ 220-JP9120

Li-ion 32

ALWAYS HERE TO HELP
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1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
CH340 USB TO TTL UART	Mercury electronics technologies	MCS-71 Pro	/
computer	Lenovo	ThinkBook 16 G6 ABP	/

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)
01	2412	05	2432	09	2452	13	2472
02	2417	06	2437	10	2457		
03	2422	07	2442	11	2462		
04	2427	08	2447	12	2467		

Note: For 802.11b, 802.11g, and 802.11n(HT20) modes were test with channel 1, 7, 13.

For 802.11n(HT40) modes were test with channel 3, 7, 11.



1.5. Test Conditions

	Normal Test Conditions
Temperature	22.3°C
Relative Humidity	46%
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 51.2V	DC 56.32V	DC 46.08V
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	2024-05-06	2025-05-05
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
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	N/A
	Spurious Emissions	Complies
	Carrier sensing function 1	N/A**
	Carrier sensing function 2	P***
	Interference prevention function	Complies
	Secondary Radiated Emissions	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 transmitting devices which EIRP is less than (2.14dBi + antenna power limit) and the shortage of EIRP is compensated by the antenna power. Not applicable to this product.

***: Application to transmitting devices with OFDM modulation and the occupied bandwidth greater than 26MHz.

****: Application to EIRP more than 12.14dBm/MHz.

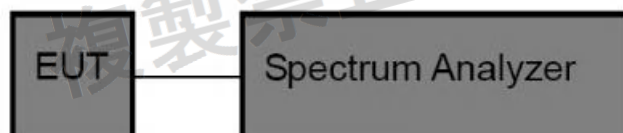


3. Frequency Tolerance Test

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

1. Search Frequency of Peak Power

Test Frequency: test channel,

RBW=VBW=1MHz, Span=40MHz for 20MHz bandwidth, Span=80MHz for 40MHz bandwidth, 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

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:	26-40MHz
Others:	26MHz or less

5.2. Test Setup



5.3. Test Procedure

Test Frequency= test channel

RBW=VBW=300kHz

Span=40MHz for 20MHz bandwidth, Span=80MHz for 40MHz bandwidth

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. Spurious Emissions Intensity Test

6.1. 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)

6.2. Test Setup



6.3. Test Procedure

Step 1:

Test Frequency: test channel,

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

Step 2:

Test Frequency: spurious frequency

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

6.4. Test Data

Pass

Please refer to Appendix D 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.

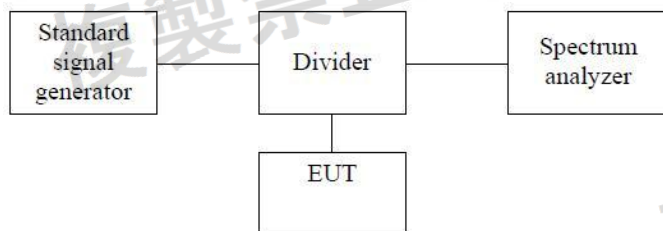


7. Carrier Sensing Function 2

7.1. Test Limit

Test Limit	EUT doesn't transmit when the radio wave of 100mV/m is coming to EUT.
------------	---

7.2. Test Setup



7.3. Test Configuration

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

7.4. Test Data

Pass

Note: Radio interference prevention capability was conformed. This test only for OFDM modulation and occupied bandwidth greater than 26MHz.

Type	Test channel	Result
802.11n(HT40)	CH _L , CH _M , CH _H	Acceptance

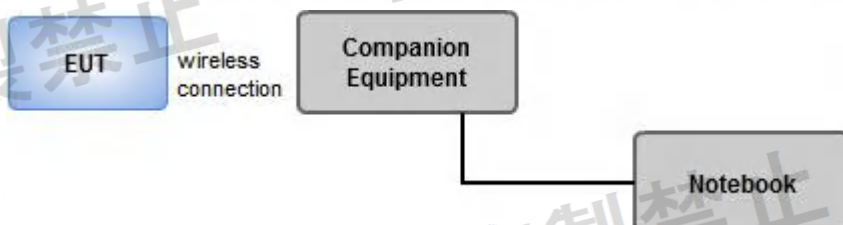


8. Interference Prevention Function

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
WiFi 2.4G	A2:C2:9F:64:88:5D	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 E of the Appendix Test Data.



APPENDIX I -- TEST SETUP PHOTOGRAPH

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to report 1811C50039712501.

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to report 1811C50039712501.



Appendix Test Data

Appendix A: Frequency Error

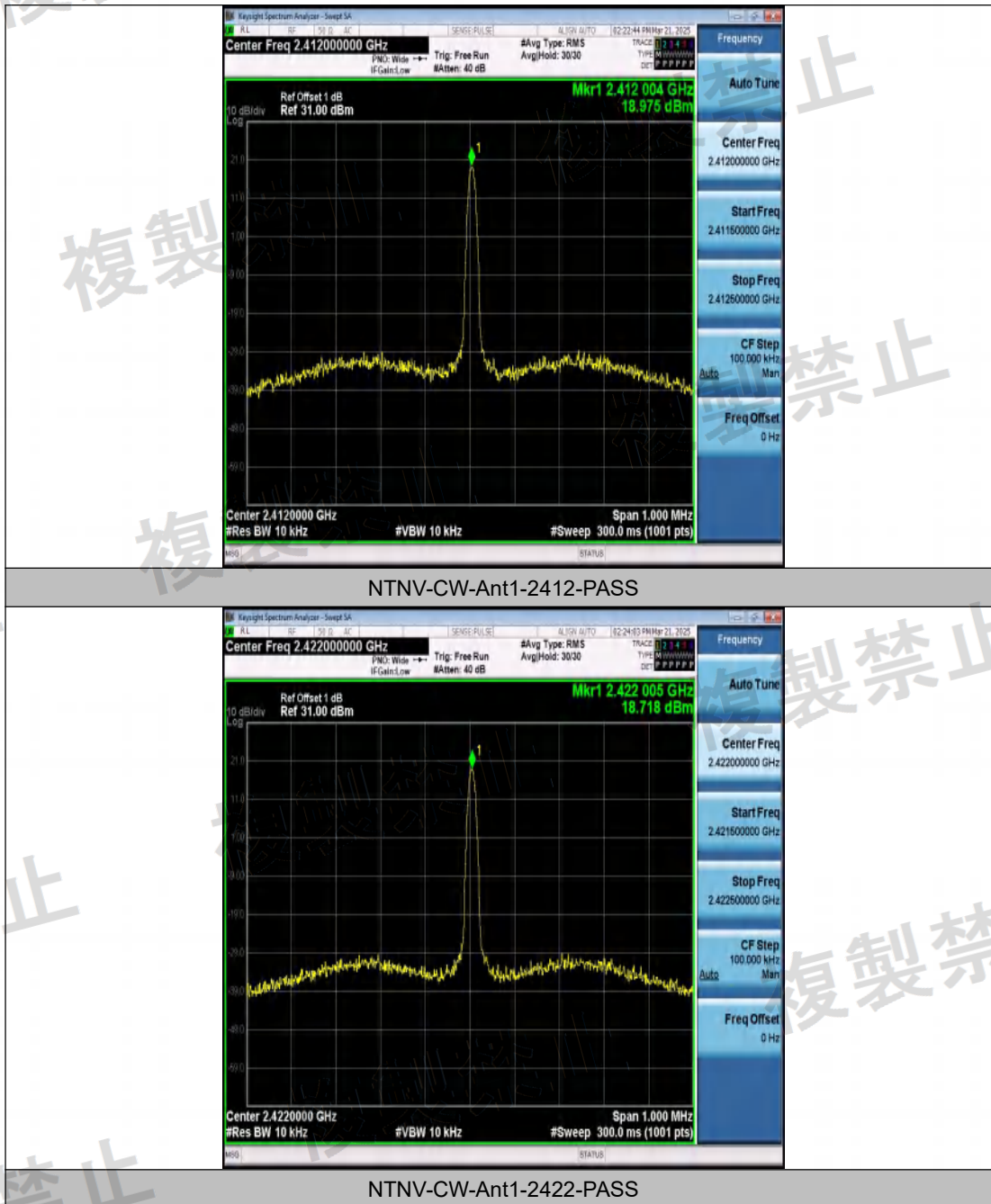
Test Result

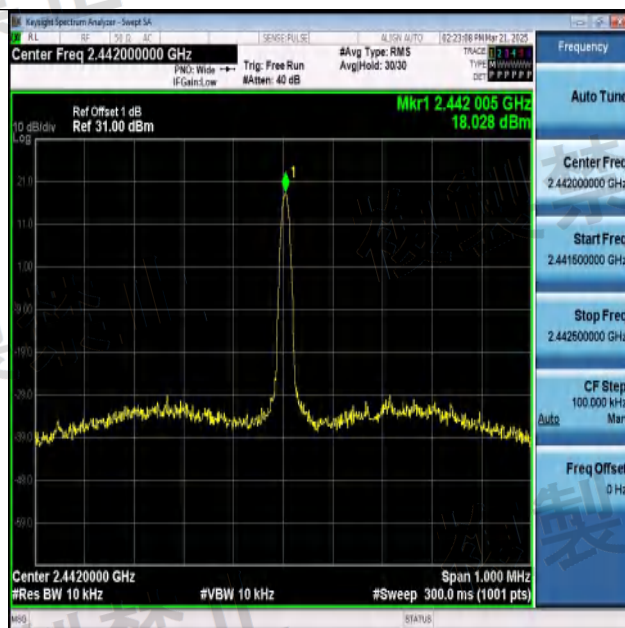
Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq. [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	CW	Ant1	2412	2412.004	1.65838	±50	PASS
NTNV	CW	Ant1	2422	2422.005	2.06441	±50	PASS
NTNV	CW	Ant1	2442	2442.005	2.04750	±50	PASS
NTNV	CW	Ant1	2462	2462.005	2.03087	±50	PASS
NTNV	CW	Ant1	2472	2472.005	2.02265	±50	PASS

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

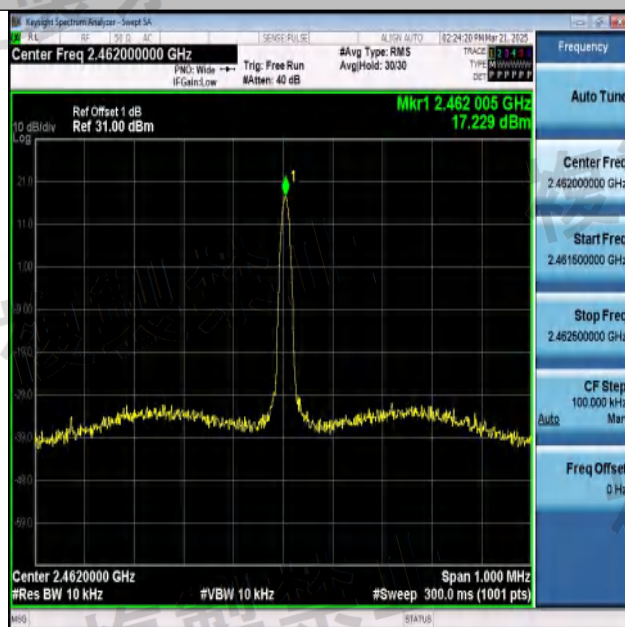


Test Graphs



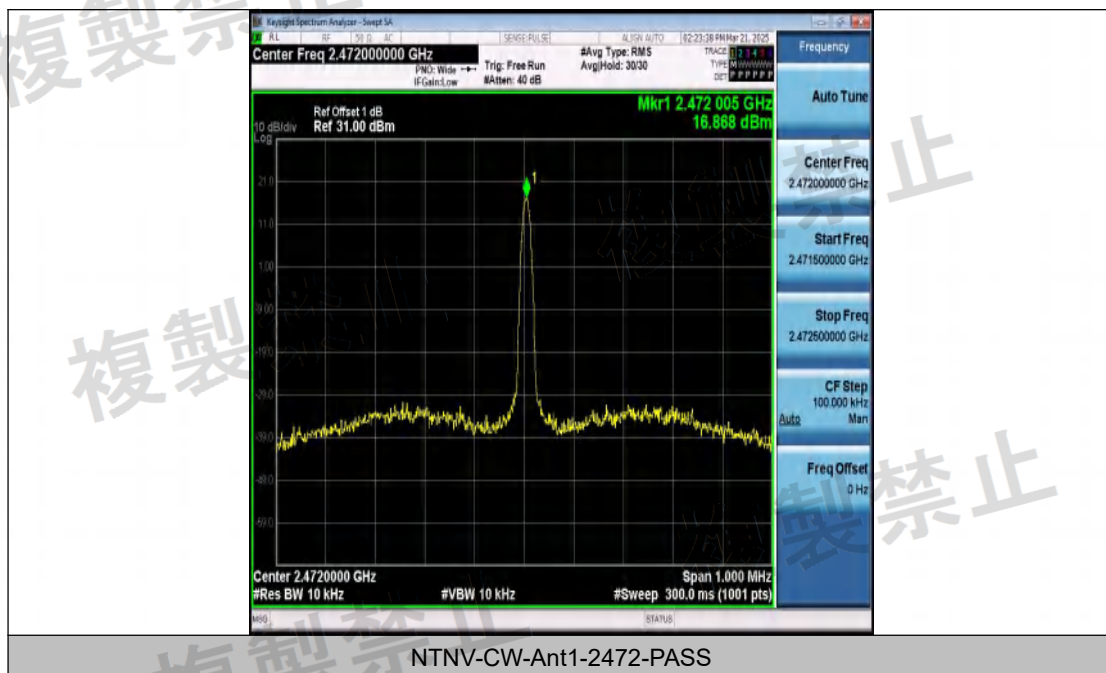


NTNV-CW-Ant1-2442-PASS



NTNV-CW-Ant1-2462-PASS





Appendix B: Antenna Power

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Result [mW/MHz]	Limit [mW/MHz]	Verdict
NTNV	11B	Ant1	2412	6.29	4.2560	≤10	PASS
NTNV	11B	Ant1	2442	6.68	4.6559	≤10	PASS
NTNV	11B	Ant1	2472	5.73	3.7411	≤10	PASS
NTNV	11G	Ant1	2412	5.94	3.9264	≤10	PASS
NTNV	11G	Ant1	2442	6.51	4.4771	≤10	PASS
NTNV	11G	Ant1	2472	5.71	3.7239	≤10	PASS
NTNV	11N20SISO	Ant1	2412	5.13	3.2584	≤10	PASS
NTNV	11N20SISO	Ant1	2442	5.82	3.8194	≤10	PASS
NTNV	11N20SISO	Ant1	2472	4.70	2.9512	≤10	PASS
NTNV	11N40SISO	Ant1	2422	4.94	3.1189	≤5	PASS
NTNV	11N40SISO	Ant1	2442	5.20	3.3113	≤5	PASS
NTNV	11N40SISO	Ant1	2462	5.12	3.2509	≤5	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	11B	Ant1	2412	4.2560	10	-57.44	+20	PASS
NTNV	11B	Ant1	2442	4.6559	10	-53.44	+20	PASS
NTNV	11B	Ant1	2472	3.7411	10	-62.59	+20	PASS
NTNV	11G	Ant1	2412	3.9264	10	-60.74	+20	PASS
NTNV	11G	Ant1	2442	4.4771	10	-55.23	+20	PASS
NTNV	11G	Ant1	2472	3.7239	10	-62.76	+20	PASS
NTNV	11N20SISO	Ant1	2412	3.2584	10	-67.42	+20	PASS
NTNV	11N20SISO	Ant1	2442	3.8194	10	-61.81	+20	PASS
NTNV	11N20SISO	Ant1	2472	2.9512	10	-70.49	+20	PASS
NTNV	11N40SISO	Ant1	2422	3.1189	5	-37.62	+20	PASS
NTNV	11N40SISO	Ant1	2442	3.3113	5	-33.77	+20	PASS
NTNV	11N40SISO	Ant1	2462	3.2509	5	-34.98	+20	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
NTNV	11B	Ant1	2412	6.29	10.07	≤12.14	PASS
NTNV	11B	Ant1	2442	6.68	10.46	≤12.14	PASS
NTNV	11B	Ant1	2472	5.73	9.51	≤12.14	PASS
NTNV	11G	Ant1	2412	5.94	9.72	≤12.14	PASS
NTNV	11G	Ant1	2442	6.51	10.29	≤12.14	PASS



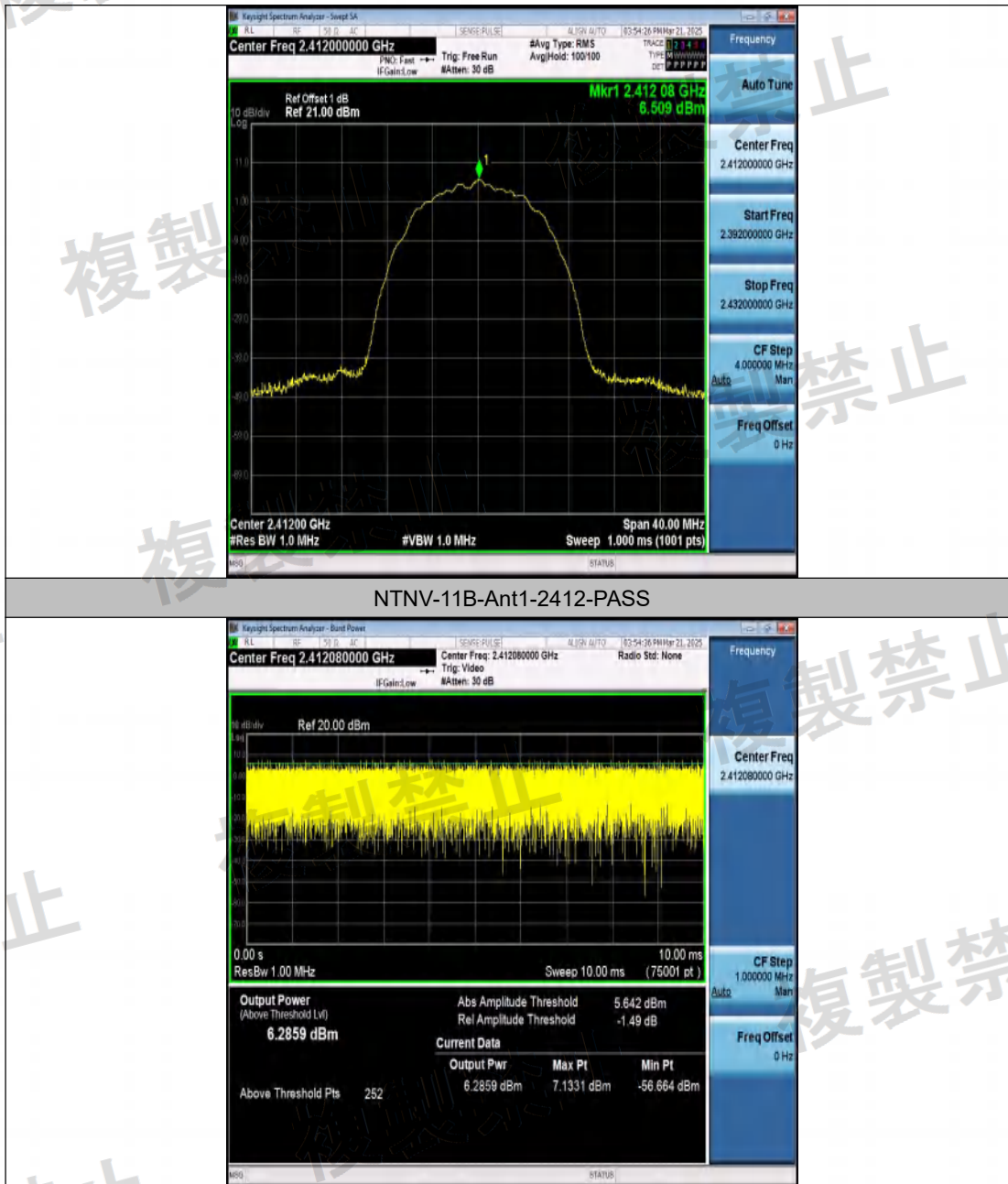
NTNV	11G	Ant1	2472	5.71	9.49	≤12.14	PASS
NTNV	11N20SISO	Ant1	2412	5.13	8.91	≤12.14	PASS
NTNV	11N20SISO	Ant1	2442	5.82	9.60	≤12.14	PASS
NTNV	11N20SISO	Ant1	2472	4.70	8.48	≤12.14	PASS
NTNV	11N40SISO	Ant1	2422	4.94	8.72	≤9.13	PASS
NTNV	11N40SISO	Ant1	2442	5.20	8.98	≤9.13	PASS
NTNV	11N40SISO	Ant1	2462	5.12	8.90	≤9.13	PASS

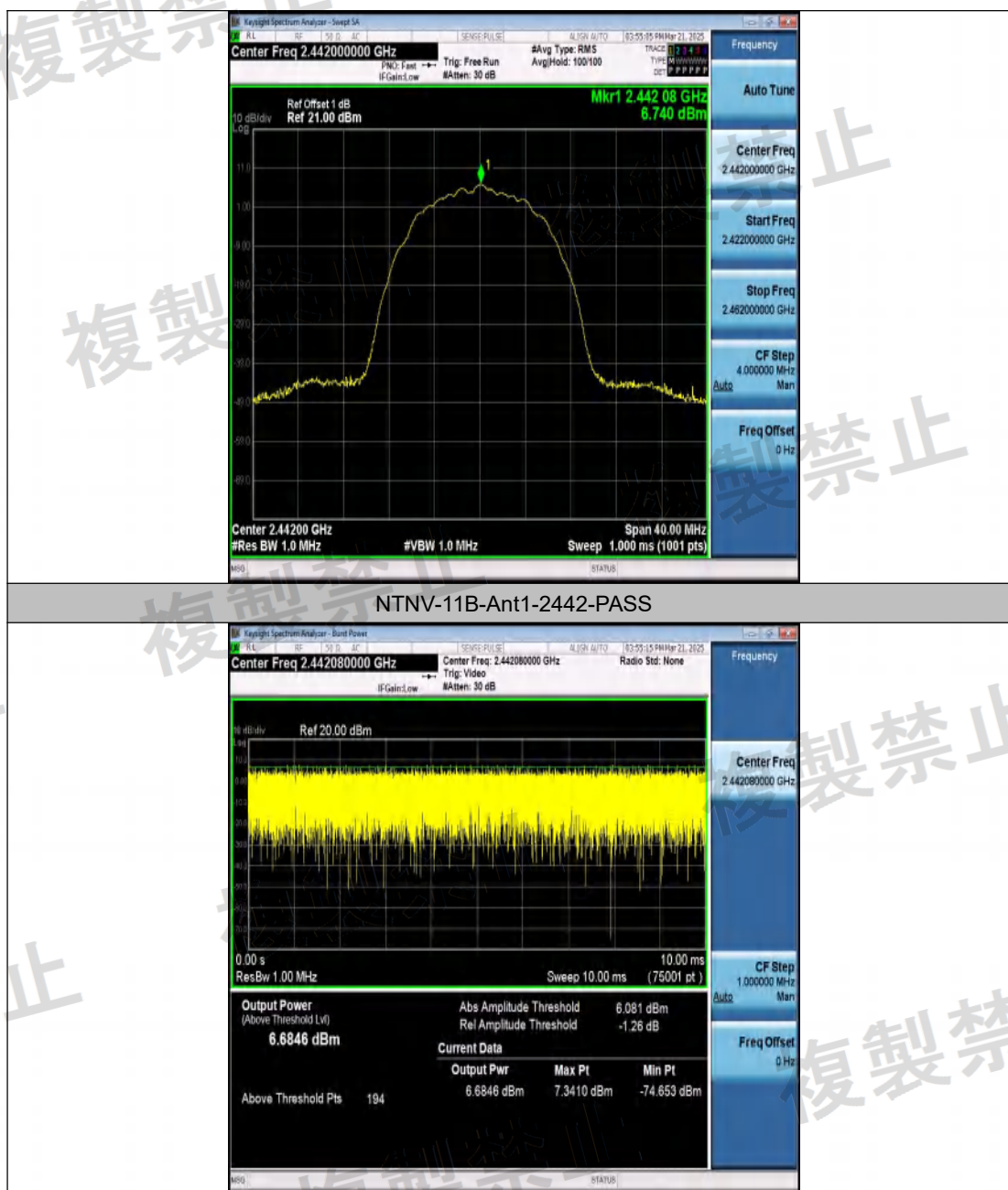
Note: Result(dBm/MHz)=10log(Power (mW/MHz))

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



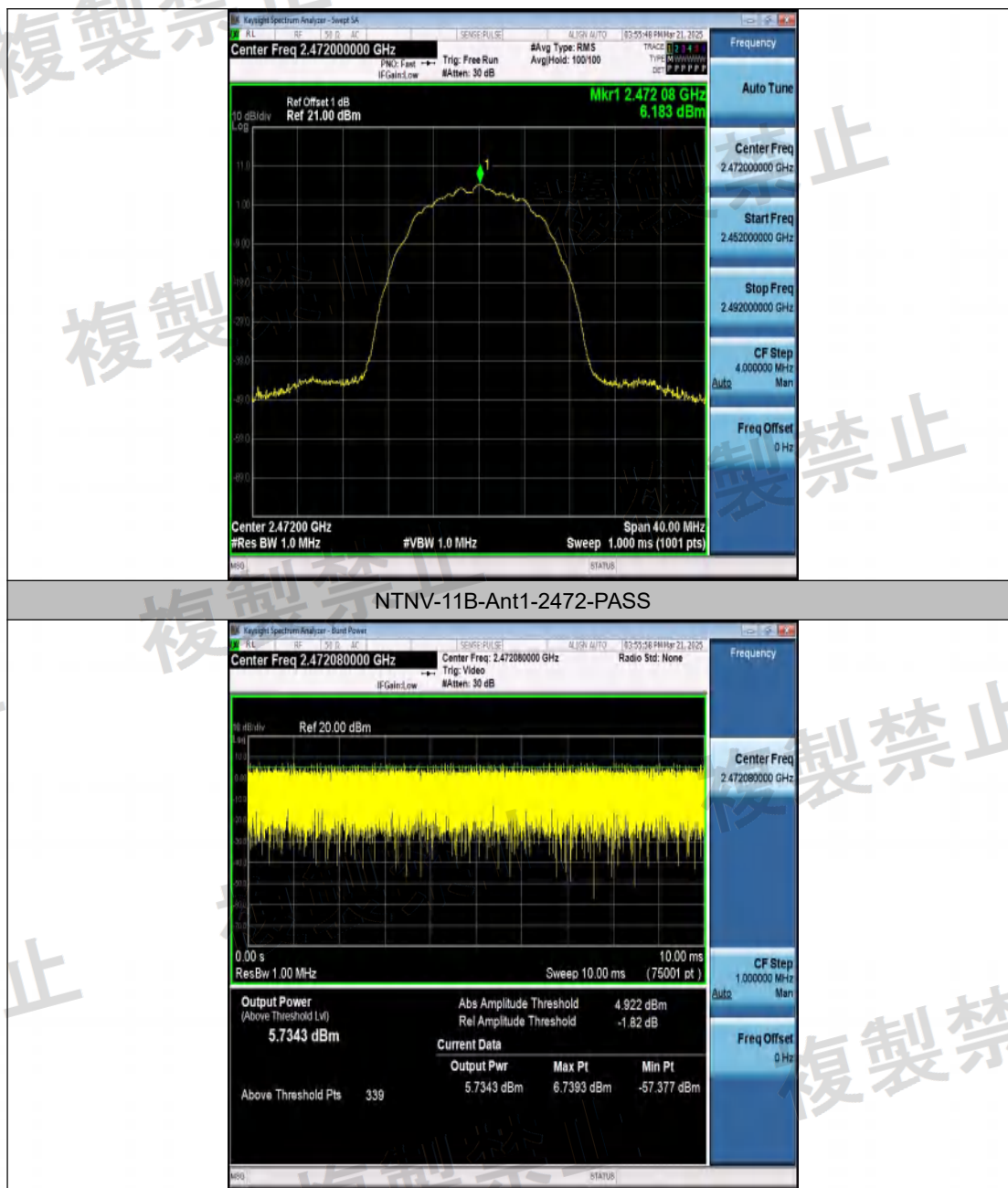
Test Graphs





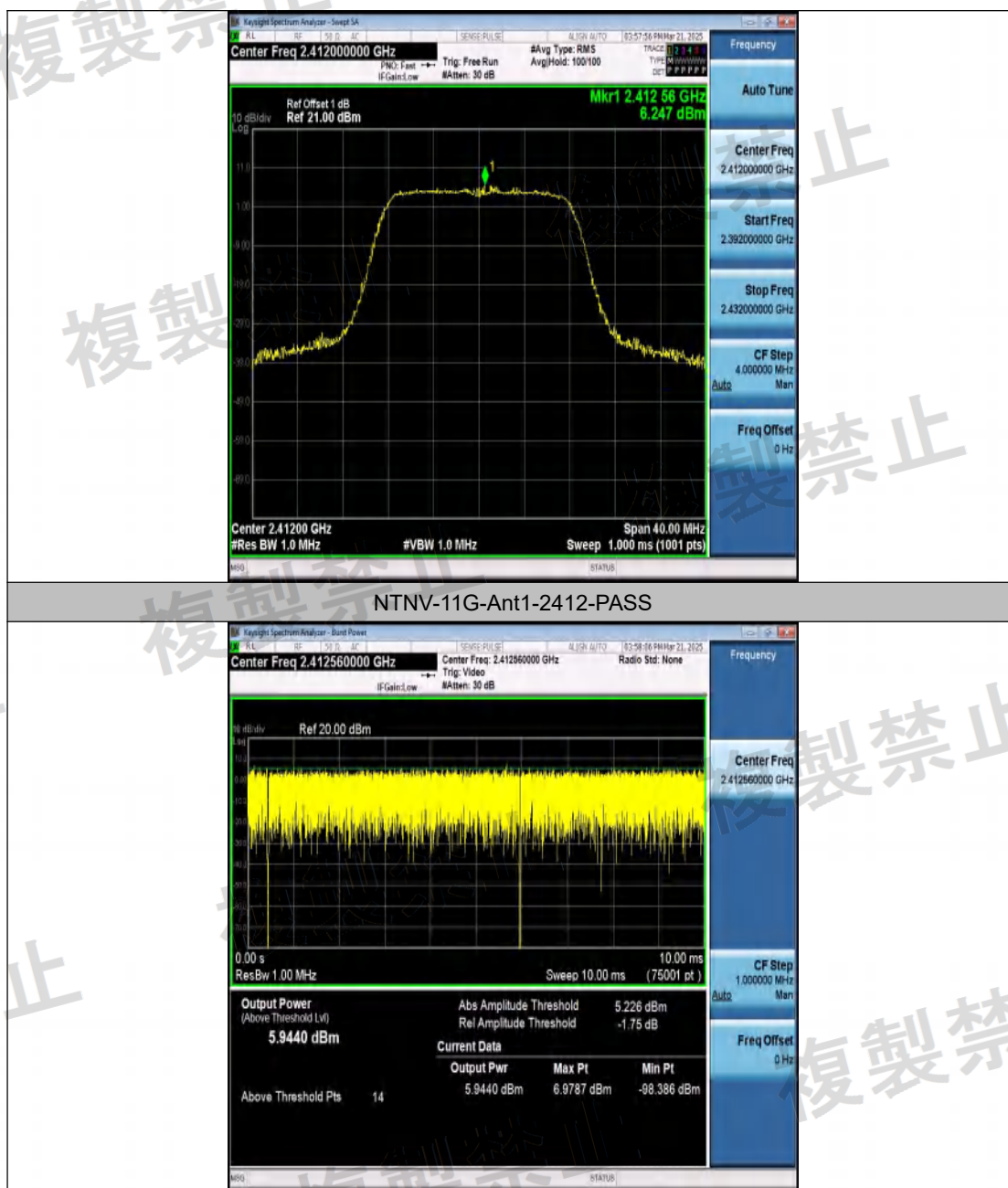
NTNV-11B-Ant1-2442-PASS





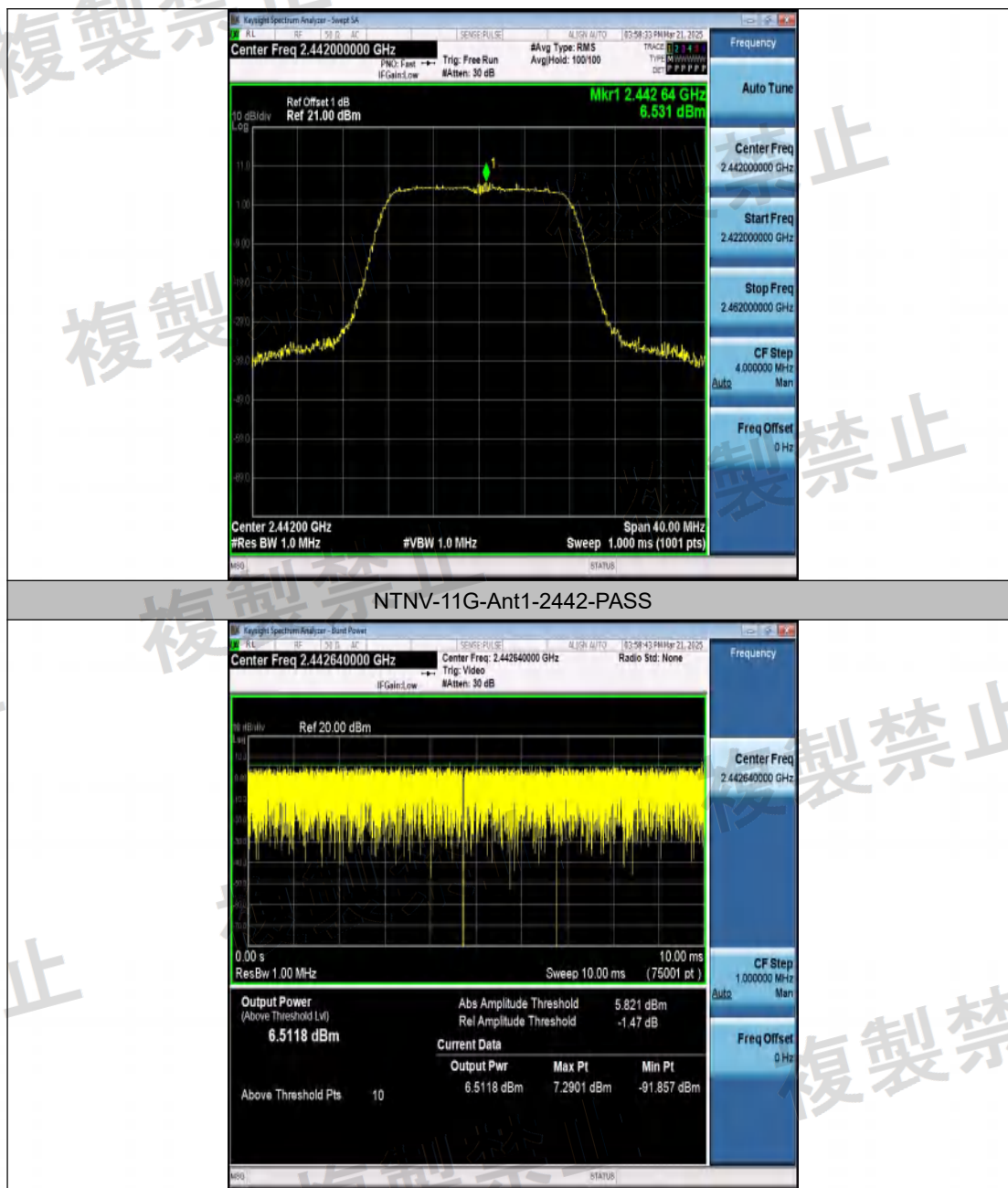
NTNV-11B-Ant1-2472-PASS





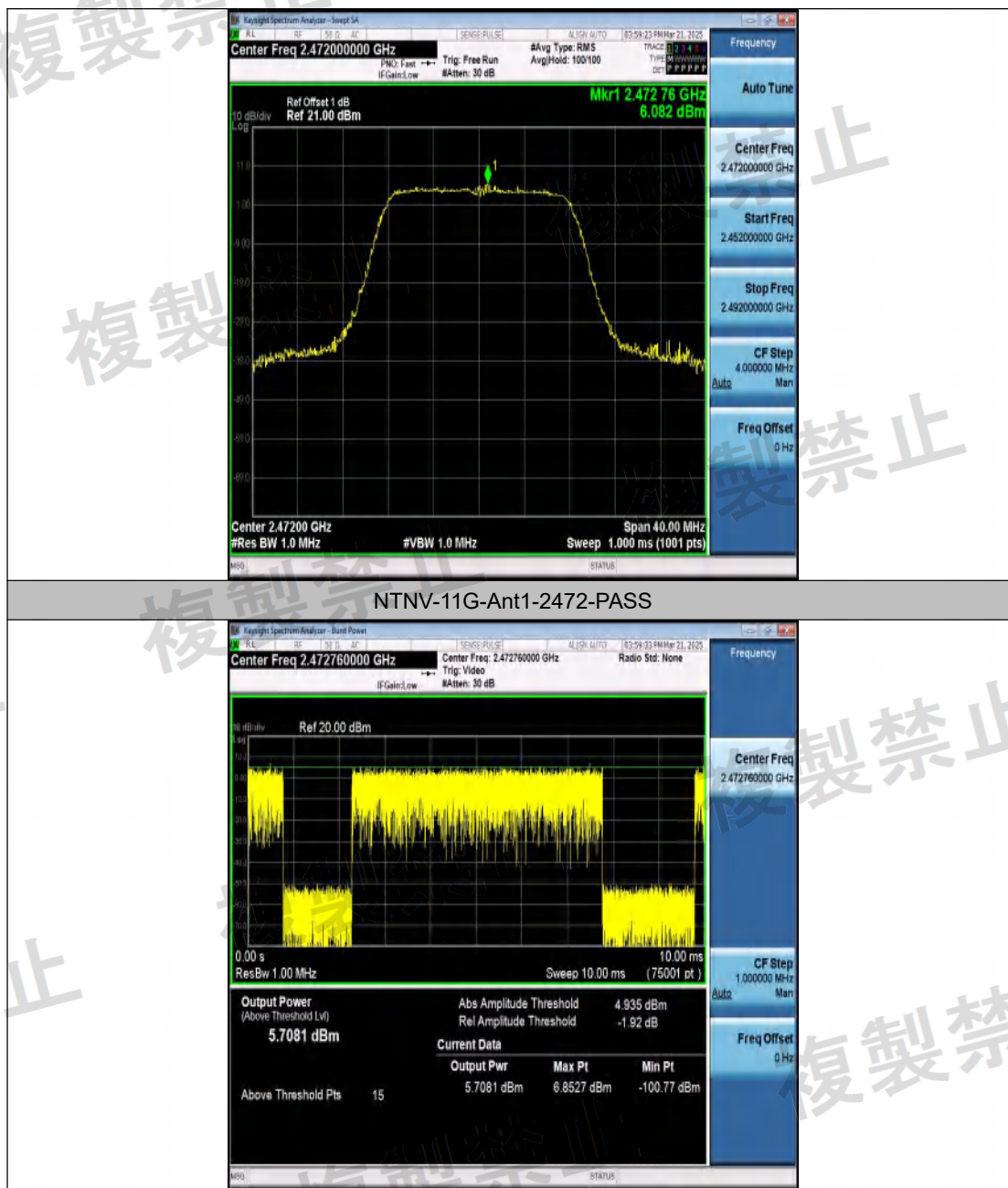
NTNV-11G-Ant1-2412-PASS





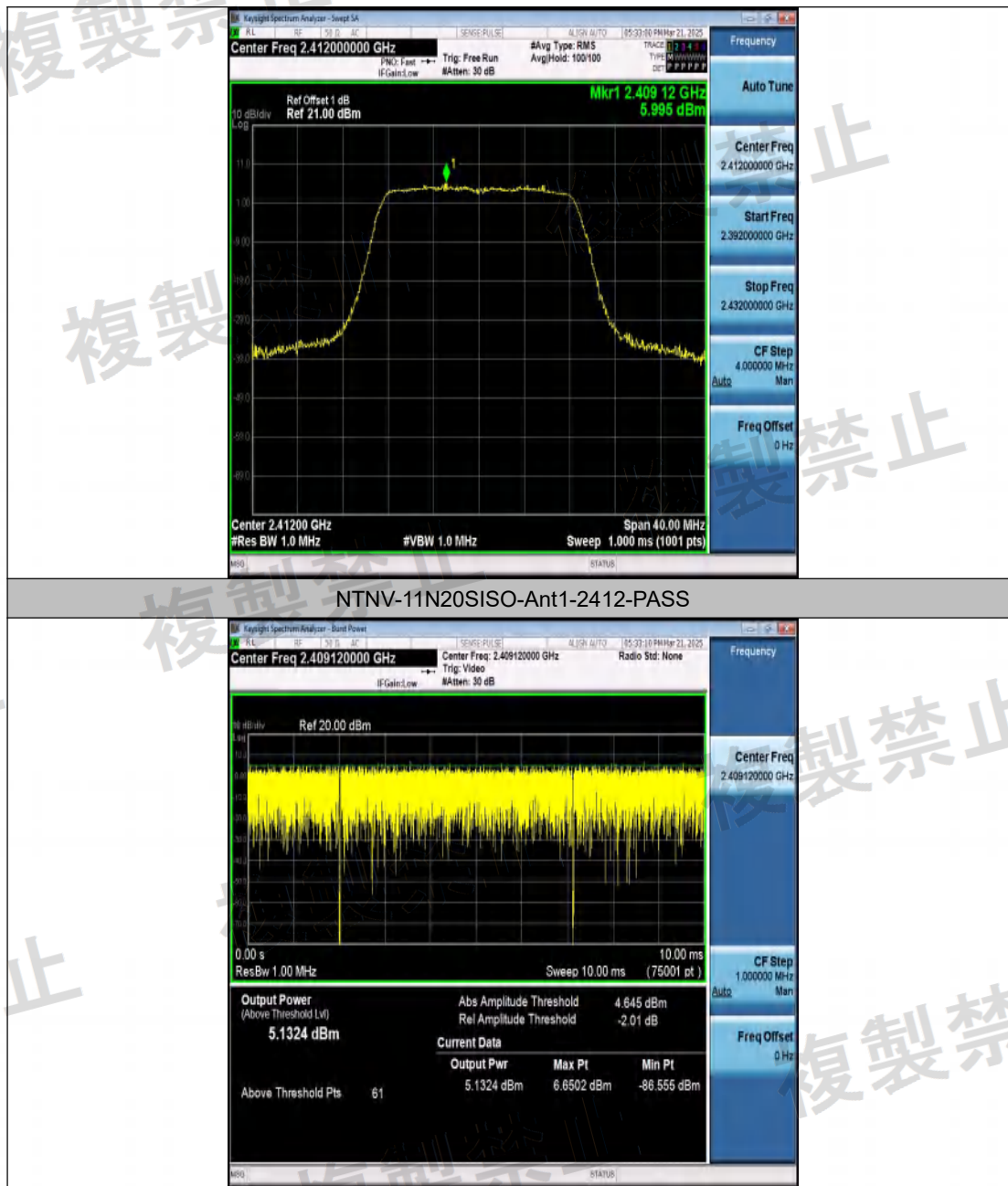
NTNV-11G-Ant1-2442-PASS

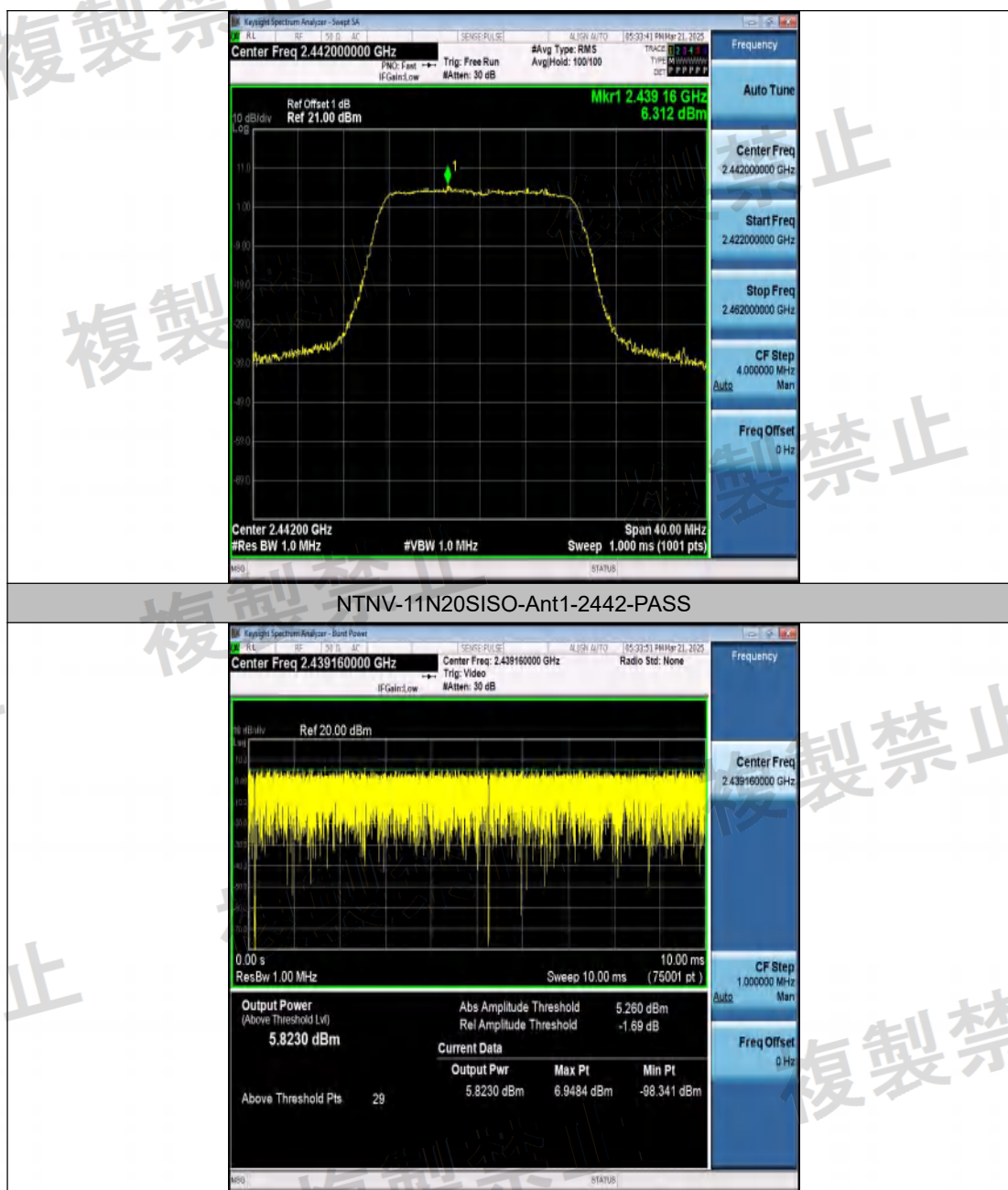




NTNV-11G-Ant1-2472-PASS

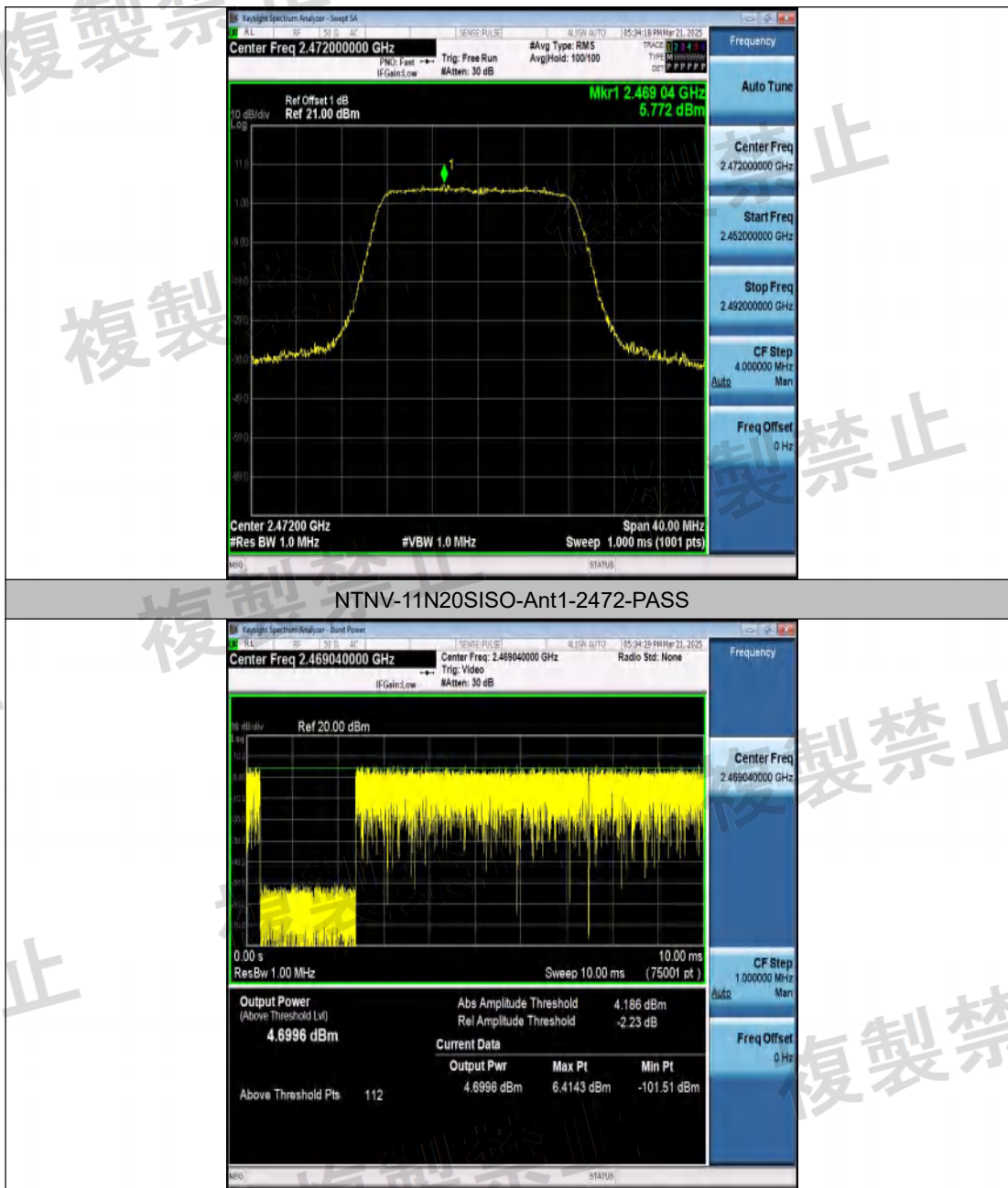


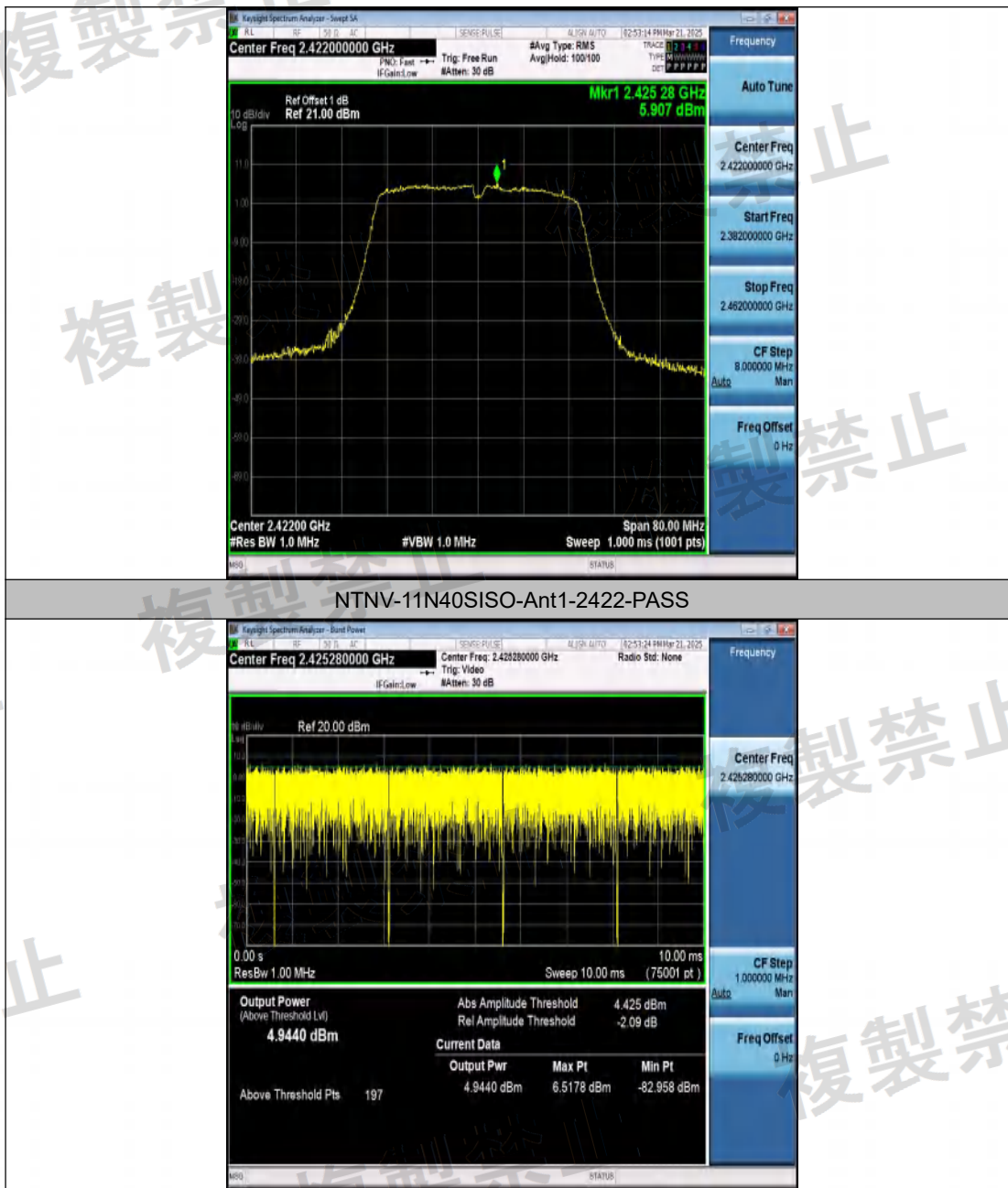


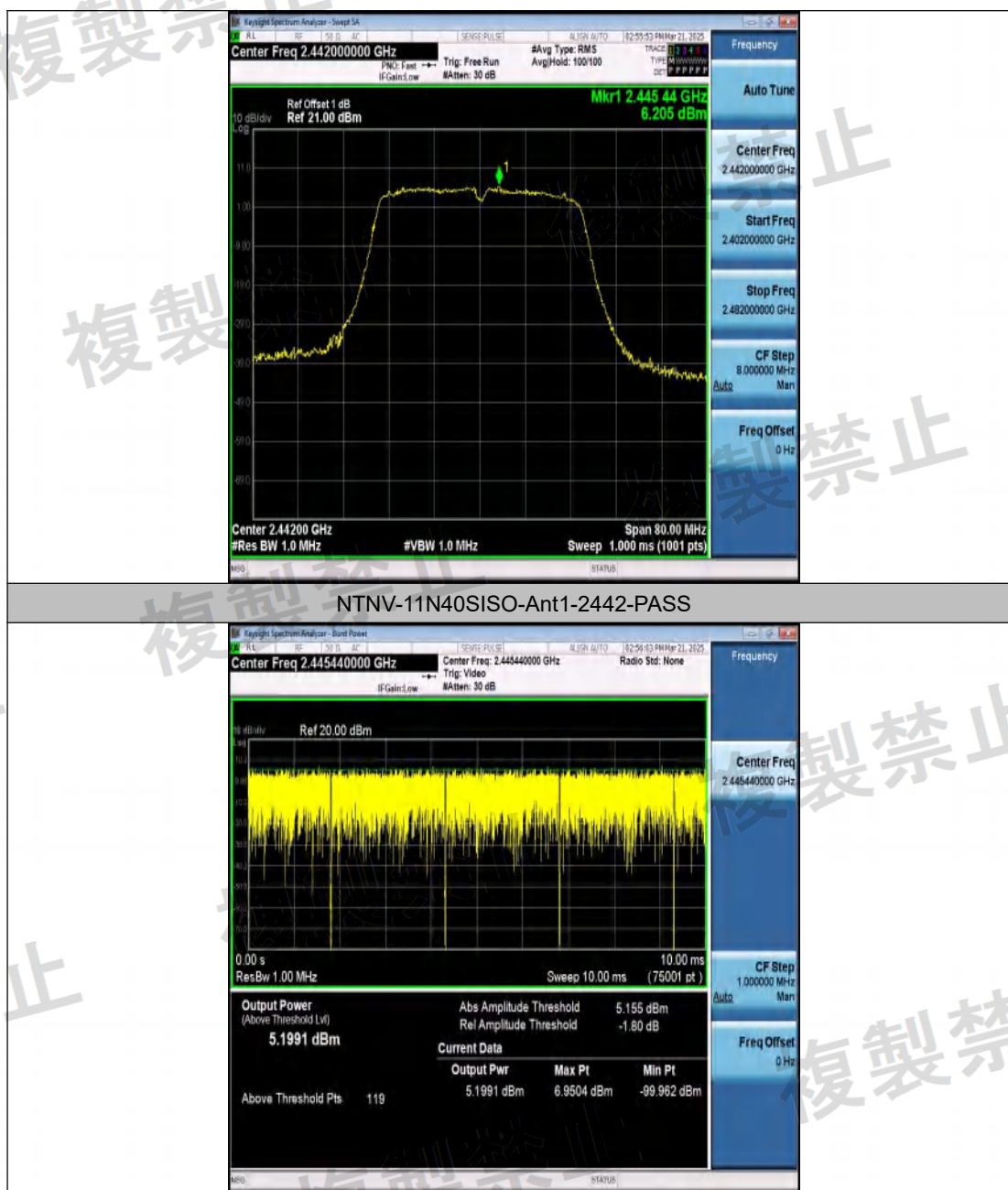


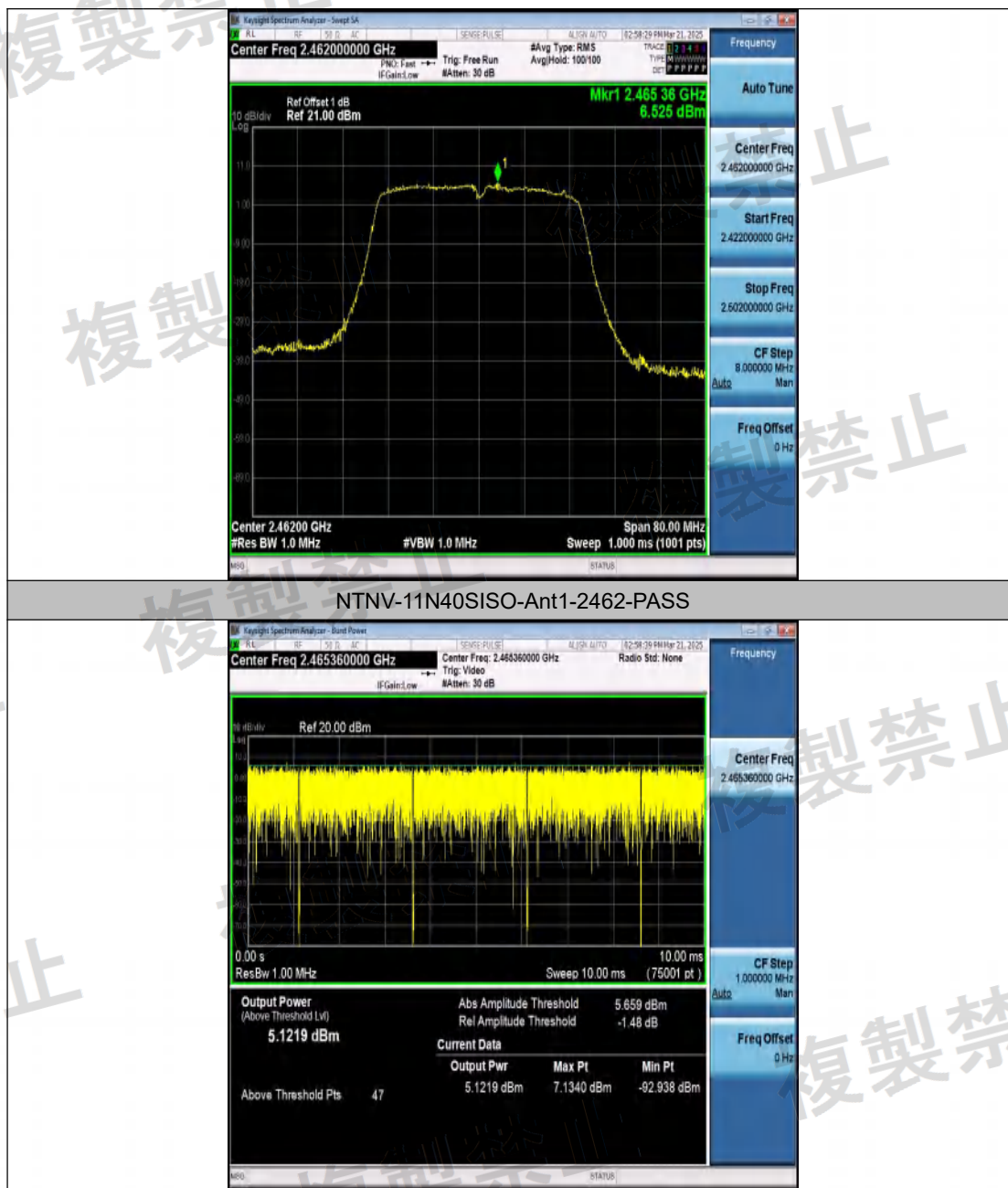
NTNV-11N20SISO-Ant1-2442-PASS











NTNV-11N40SISO-Ant1-2462-PASS



Appendix C: Occupied Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	12.878	≤26	PASS
NTNV	11B	Ant1	2442	12.954	≤26	PASS
NTNV	11B	Ant1	2472	12.805	≤26	PASS
NTNV	11G	Ant1	2412	16.542	≤26	PASS
NTNV	11G	Ant1	2442	16.482	≤26	PASS
NTNV	11G	Ant1	2472	16.501	≤26	PASS
NTNV	11N20SISO	Ant1	2412	17.421	≤26	PASS
NTNV	11N20SISO	Ant1	2442	17.412	≤26	PASS
NTNV	11N20SISO	Ant1	2472	17.393	≤26	PASS
NTNV	11N40SISO	Ant1	2422	35.794	26-40	PASS
NTNV	11N40SISO	Ant1	2442	35.839	26-40	PASS
NTNV	11N40SISO	Ant1	2462	35.839	26-40	PASS



Test Graphs

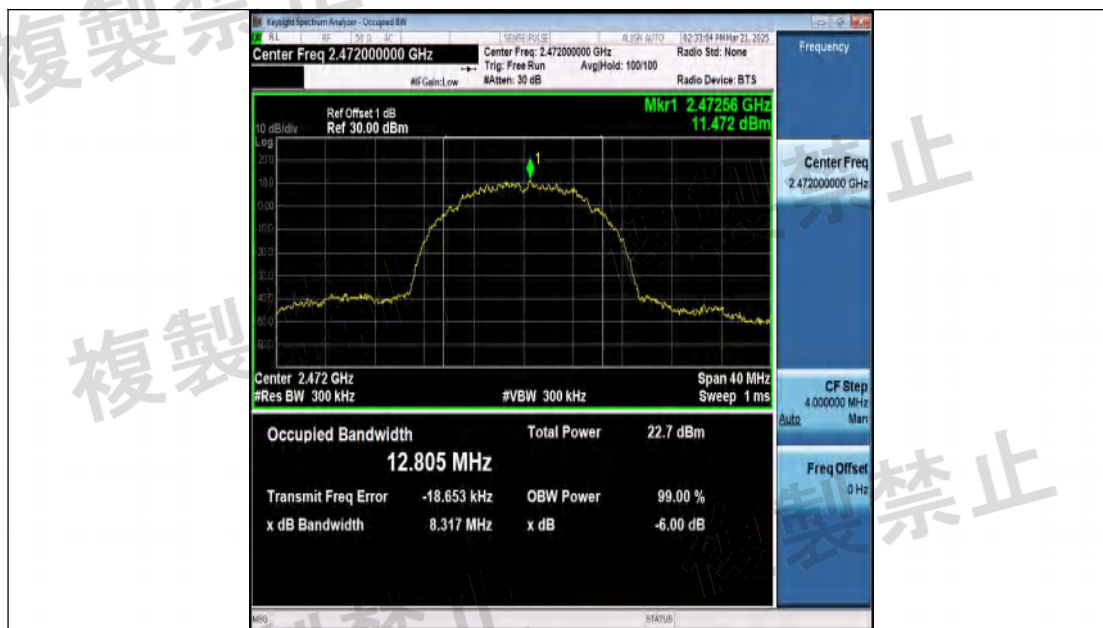


NTNV-11B-Ant1-2412-PASS

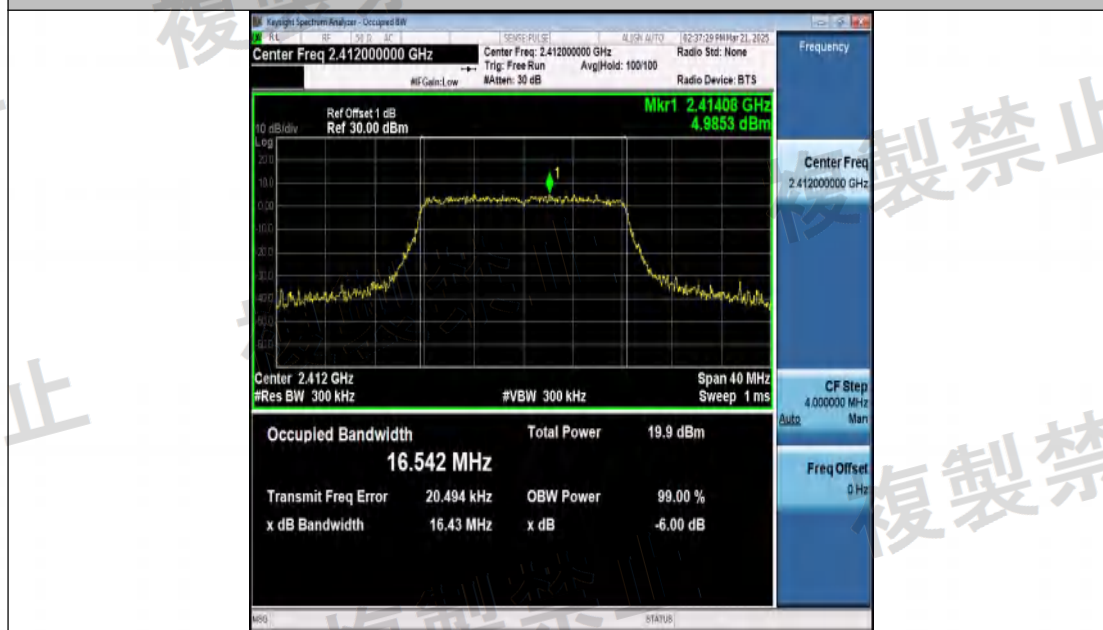


NTNV-11B-Ant1-2442-PASS



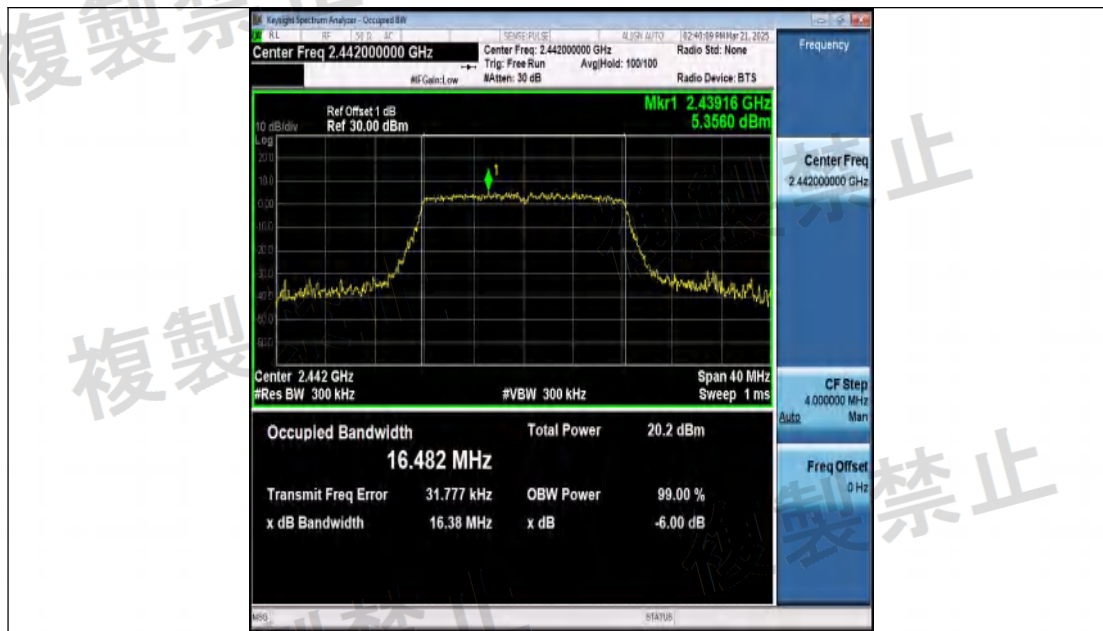


NTNV-11B-Ant1-2472-PASS

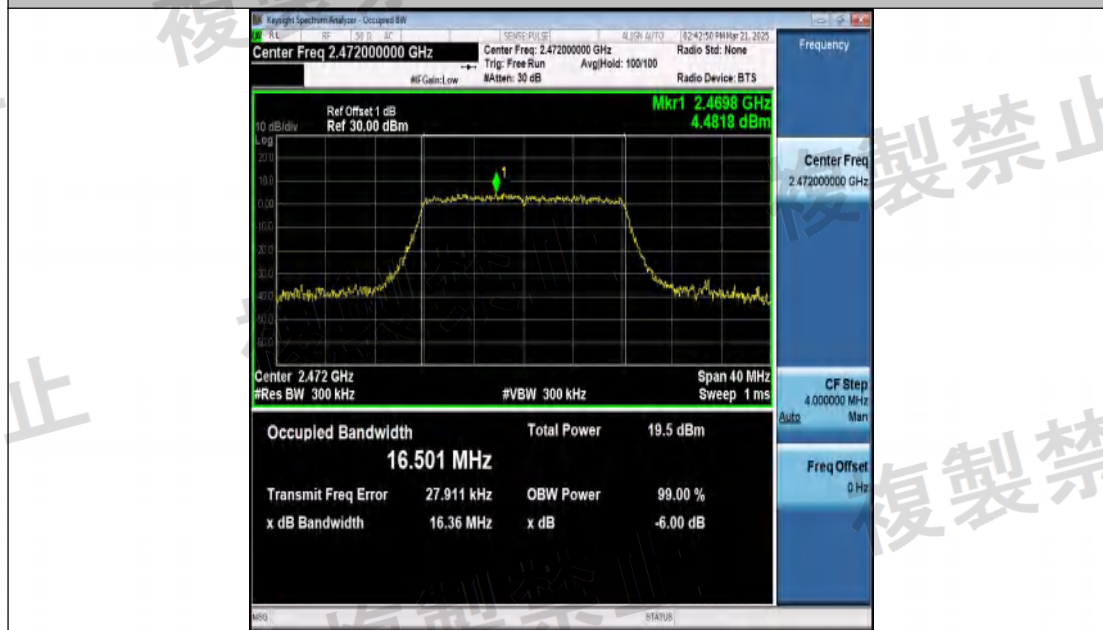


NTNV-11G-Ant1-2412-PASS



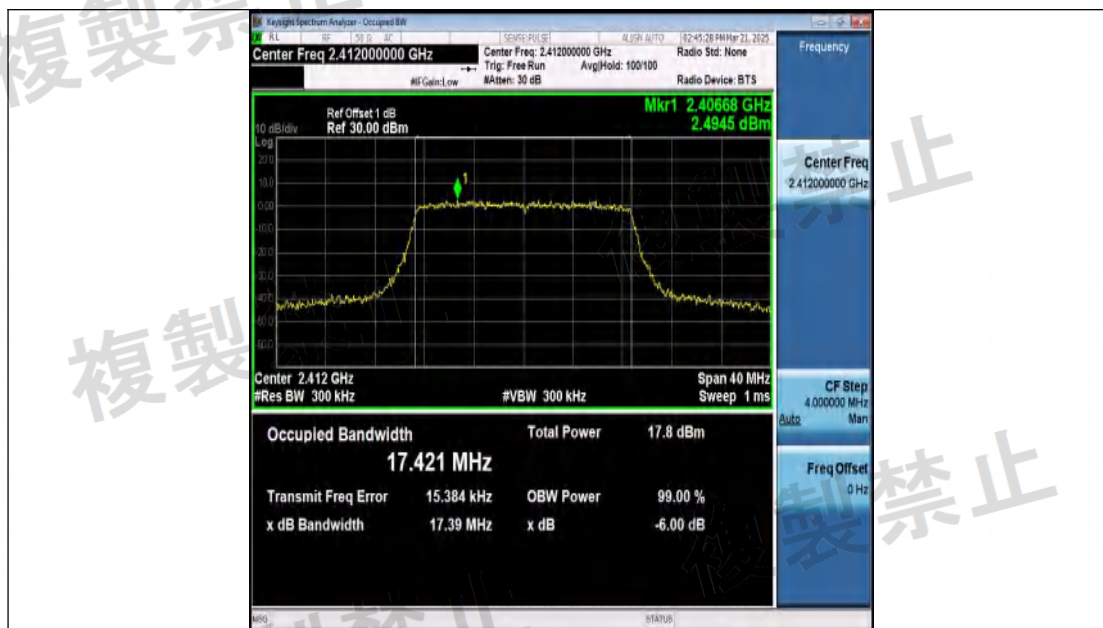


NTNV-11G-Ant1-2442-PASS

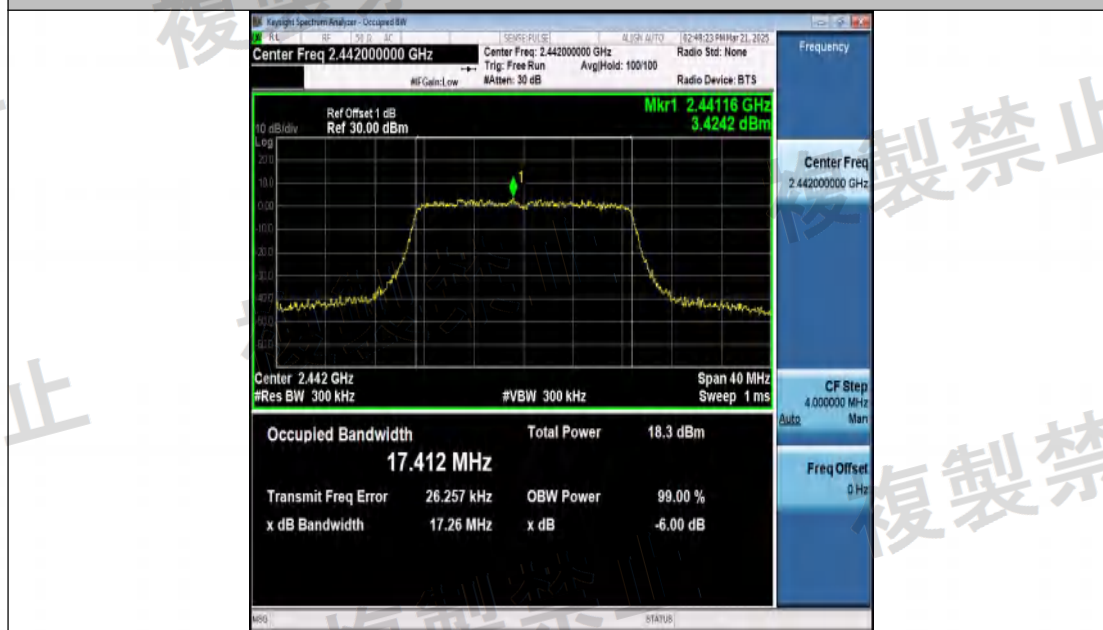


NTNV-11G-Ant1-2472-PASS



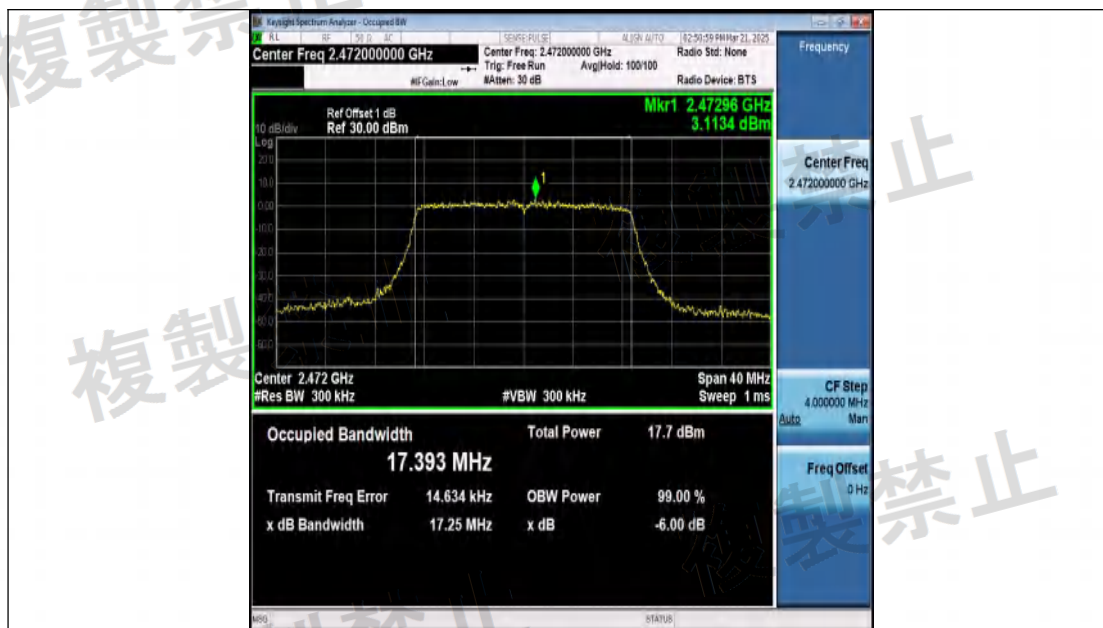


NTNV-11N20SISO-Ant1-2412-PASS

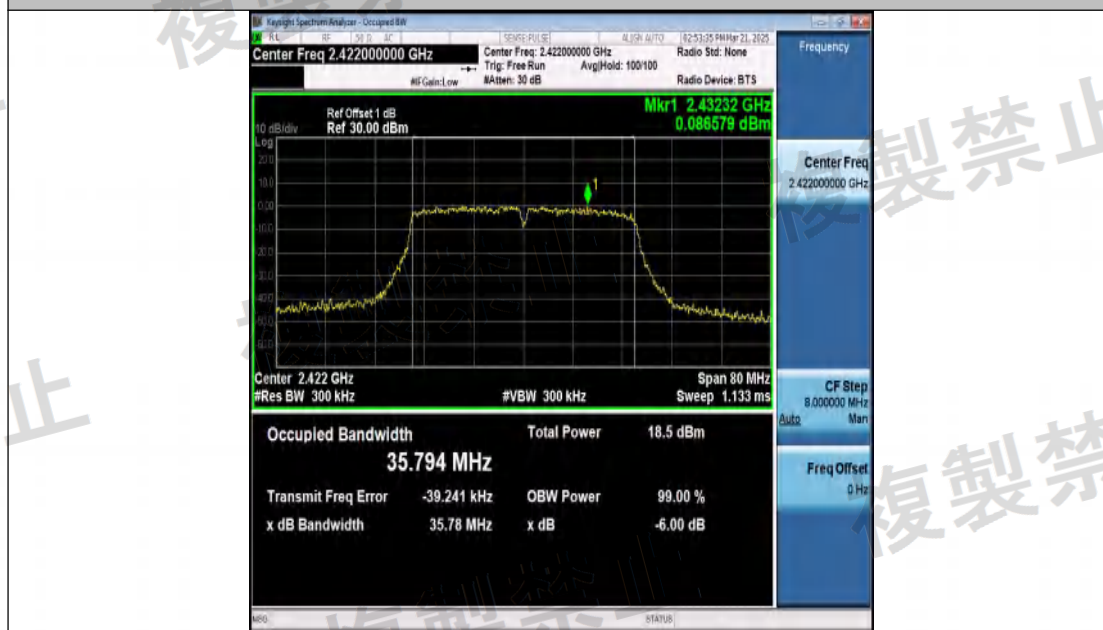


NTNV-11N20SISO-Ant1-2442-PASS



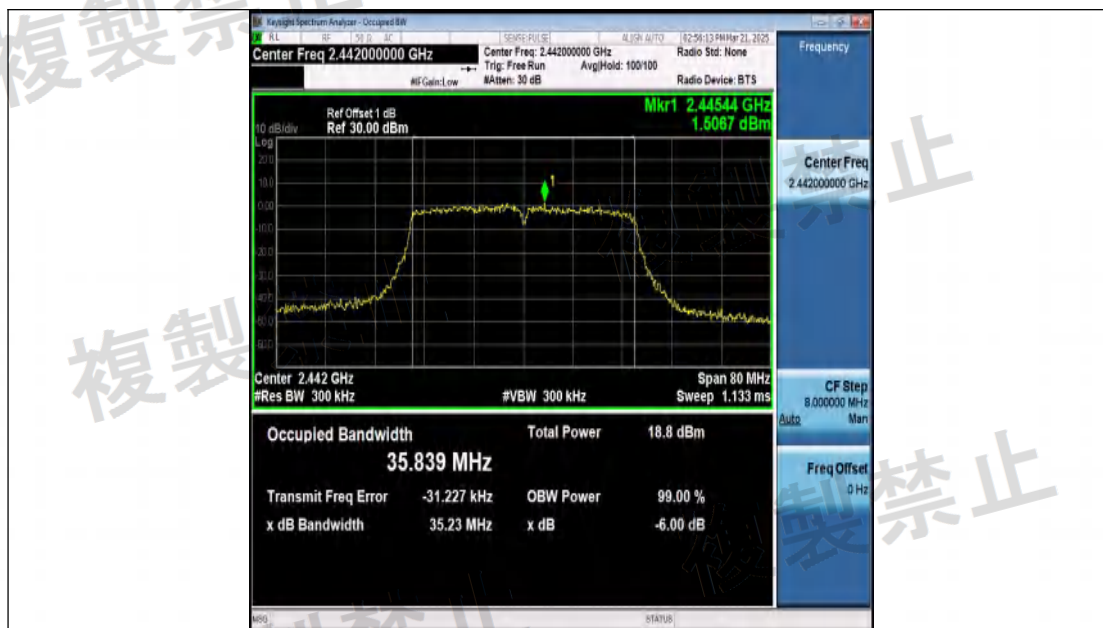


NTNV-11N20SISO-Ant1-2472-PASS

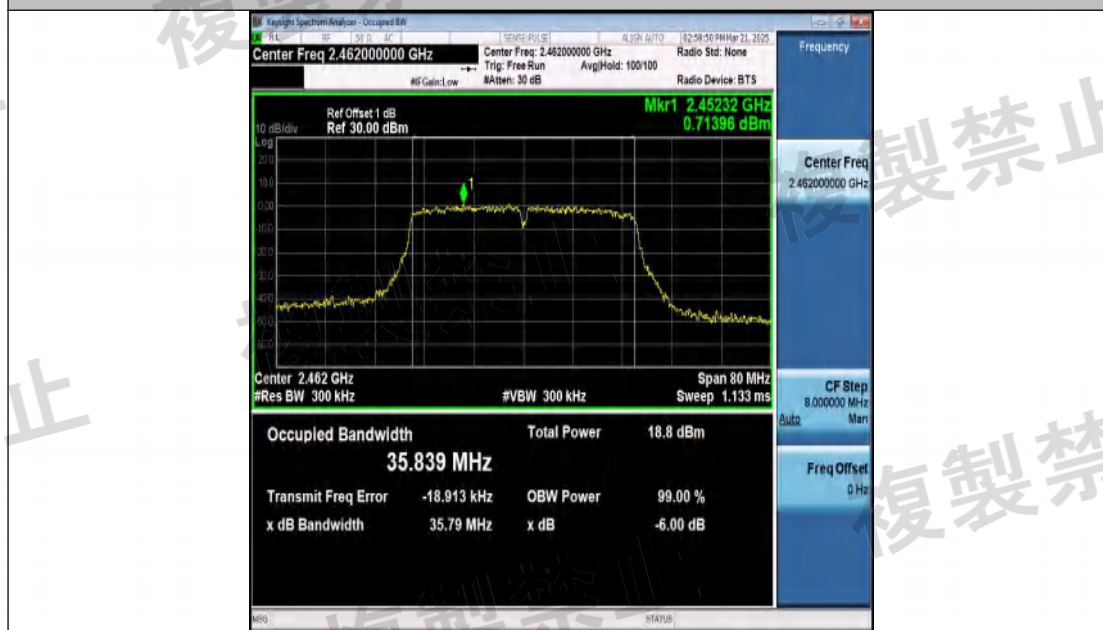


NTNV-11N40SISO-Ant1-2422-PASS





NTNV-11N40SISO-Ant1-2442-PASS



NTNV-11N40SISO-Ant1-2462-PASS



Appendix D: Spurious Emission of TX

Test Result

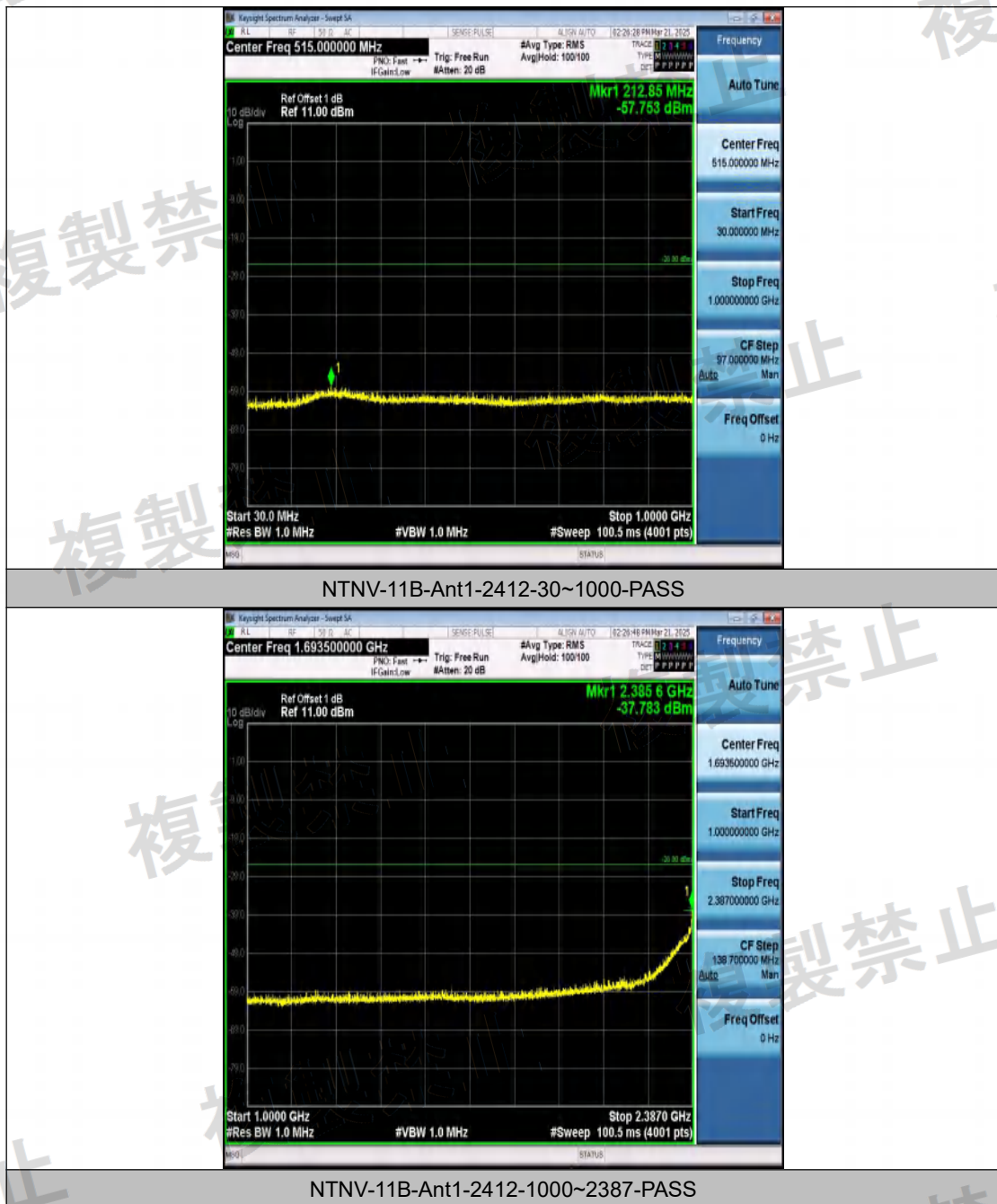
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	11B	Ant1	2412	30~1000	212.85	-57.75	≤ -26	0.00168	≤ 2.5	PASS
NTNV	11B	Ant1	2412	1000~2387	2385.61	-37.78	≤ -26	0.16672	≤ 2.5	PASS
NTNV	11B	Ant1	2412	2387~2400	2396.14	-34.70	≤ -16	0.33884	≤ 25	PASS
NTNV	11B	Ant1	2412	2483.5~2496.5	2490.98	-45.90	≤ -16	0.02570	≤ 25	PASS
NTNV	11B	Ant1	2412	2496.5~13000	2507.00	-47.64	≤ -26	0.01722	≤ 2.5	PASS
NTNV	11B	Ant1	2442	30~1000	223.52	-57.15	≤ -26	0.00193	≤ 2.5	PASS
NTNV	11B	Ant1	2442	1000~2387	2383.88	-44.07	≤ -26	0.03917	≤ 2.5	PASS
NTNV	11B	Ant1	2442	2387~2400	2399.67	-41.63	≤ -16	0.06871	≤ 25	PASS
NTNV	11B	Ant1	2442	2483.5~2496.5	2484.83	-45.70	≤ -16	0.02692	≤ 25	PASS
NTNV	11B	Ant1	2442	2496.5~13000	4883.95	-48.37	≤ -26	0.01455	≤ 2.5	PASS
NTNV	11B	Ant1	2472	30~1000	211.63	-57.91	≤ -26	0.00162	≤ 2.5	PASS
NTNV	11B	Ant1	2472	1000~2387	2370.01	-44.05	≤ -26	0.03936	≤ 2.5	PASS
NTNV	11B	Ant1	2472	2387~2400	2399.92	-42.58	≤ -16	0.05521	≤ 25	PASS
NTNV	11B	Ant1	2472	2483.5~2496.5	2483.71	-36.10	≤ -16	0.24547	≤ 25	PASS
NTNV	11B	Ant1	2472	2496.5~13000	2496.50	-41.88	≤ -26	0.06486	≤ 2.5	PASS
NTNV	11G	Ant1	2412	30~1000	210.91	-57.62	≤ -26	0.00173	≤ 2.5	PASS
NTNV	11G	Ant1	2412	1000~2387	2386.65	-35.81	≤ -26	0.26242	≤ 2.5	PASS
NTNV	11G	Ant1	2412	2387~2400	2399.82	-22.88	≤ -16	5.15229	≤ 25	PASS
NTNV	11G	Ant1	2412	2483.5~2496.5	2483.62	-47.64	≤ -16	0.01722	≤ 25	PASS
NTNV	11G	Ant1	2412	2496.5~13000	2508.58	-49.60	≤ -26	0.01096	≤ 2.5	PASS
NTNV	11G	Ant1	2442	30~1000	236.13	-58.07	≤ -26	0.00156	≤ 2.5	PASS
NTNV	11G	Ant1	2442	1000~2387	2384.23	-43.42	≤ -26	0.04550	≤ 2.5	PASS
NTNV	11G	Ant1	2442	2387~2400	2396.31	-38.17	≤ -16	0.15241	≤ 25	PASS
NTNV	11G	Ant1	2442	2483.5~2496.5	2483.73	-43.29	≤ -16	0.04688	≤ 25	PASS
NTNV	11G	Ant1	2442	2496.5~13000	2518.03	-48.35	≤ -26	0.01462	≤ 2.5	PASS
NTNV	11G	Ant1	2472	30~1000	228.61	-57.87	≤ -26	0.00163	≤ 2.5	PASS
NTNV	11G	Ant1	2472	1000~2387	1752.45	-46.33	≤ -26	0.02328	≤ 2.5	PASS
NTNV	11G	Ant1	2472	2387~2400	2399.90	-43.15	≤ -16	0.04842	≤ 25	PASS
NTNV	11G	Ant1	2472	2483.5~2496.5	2488.24	-22.82	≤ -16	5.22396	≤ 25	PASS
NTNV	11G	Ant1	2472	2496.5~13000	2496.50	-35.12	≤ -26	0.30761	≤ 2.5	PASS
NTNV	11N20SISO	Ant1	2412	30~1000	207.75	-58.62	≤ -26	0.00137	≤ 2.5	PASS
NTNV	11N20SISO	Ant1	2412	1000~2387	2383.53	-40.28	≤ -26	0.09376	≤ 2.5	PASS
NTNV	11N20SISO	Ant1	2412	2387~2400	2399.98	-27.02	≤ -16	1.98609	≤ 25	PASS
NTNV	11N20SISO	Ant1	2412	2483.5~2496.5	2485.96	-49.06	≤ -16	0.01242	≤ 25	PASS
NTNV	11N20SISO	Ant1	2412	2496.5~13000	2543.77	-52.09	≤ -26	0.00618	≤ 2.5	PASS
NTNV	11N20SISO	Ant1	2442	30~1000	278.08	-56.92	≤ -26	0.00203	≤ 2.5	PASS

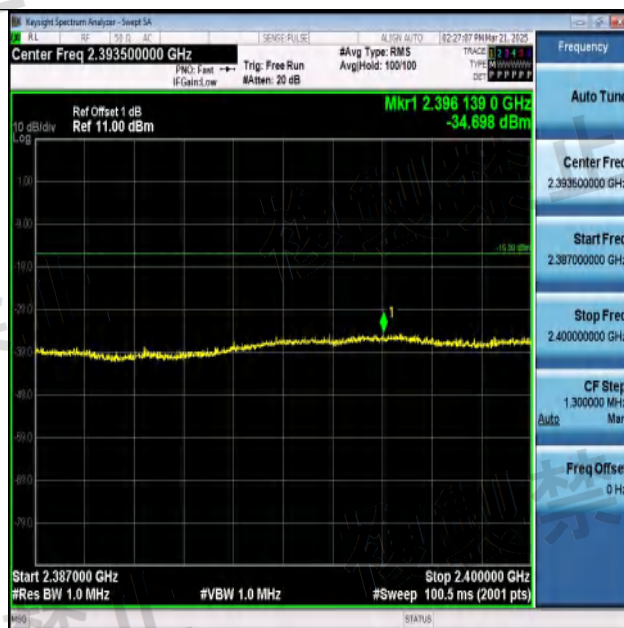


NTNV	11N20SISO	Ant1	2442	1000~2387	2385.96	-47.70	≤-26	0.01698	≤2.5	PASS
NTNV	11N20SISO	Ant1	2442	2387~2400	2399.86	-41.42	≤-16	0.07211	≤25	PASS
NTNV	11N20SISO	Ant1	2442	2483.5~2496.5	2483.70	-46.96	≤-16	0.02014	≤25	PASS
NTNV	11N20SISO	Ant1	2442	2496.5~13000	2511.73	-51.60	≤-26	0.00692	≤2.5	PASS
NTNV	11N20SISO	Ant1	2472	30~1000	201.21	-58.58	≤-26	0.00139	≤2.5	PASS
NTNV	11N20SISO	Ant1	2472	1000~2387	2371.40	-48.65	≤-26	0.01365	≤2.5	PASS
NTNV	11N20SISO	Ant1	2472	2387~2400	2399.91	-44.85	≤-16	0.03273	≤25	PASS
NTNV	11N20SISO	Ant1	2472	2483.5~2496.5	2483.52	-26.51	≤-16	2.23357	≤25	PASS
NTNV	11N20SISO	Ant1	2472	2496.5~13000	2496.50	-43.77	≤-26	0.04198	≤2.5	PASS
NTNV	11N40SISO	Ant1	2422	30~1000	30.97	-47.19	≤-26	0.01910	≤2.5	PASS
NTNV	11N40SISO	Ant1	2422	1000~2387	2386.31	-36.40	≤-26	0.22909	≤2.5	PASS
NTNV	11N40SISO	Ant1	2422	2387~2400	2399.97	-23.24	≤-16	4.74242	≤25	PASS
NTNV	11N40SISO	Ant1	2422	2483.5~2496.5	2486.27	-46.63	≤-16	0.02173	≤25	PASS
NTNV	11N40SISO	Ant1	2422	2496.5~13000	2497.03	-51.51	≤-26	0.00706	≤2.5	PASS
NTNV	11N40SISO	Ant1	2442	30~1000	30.97	-45.97	≤-26	0.02529	≤2.5	PASS
NTNV	11N40SISO	Ant1	2442	1000~2387	2387.00	-40.58	≤-26	0.08750	≤2.5	PASS
NTNV	11N40SISO	Ant1	2442	2387~2400	2399.97	-35.47	≤-16	0.28379	≤25	PASS
NTNV	11N40SISO	Ant1	2442	2483.5~2496.5	2484.35	-41.79	≤-16	0.06622	≤25	PASS
NTNV	11N40SISO	Ant1	2442	2496.5~13000	2497.55	-47.07	≤-26	0.01963	≤2.5	PASS
NTNV	11N40SISO	Ant1	2462	30~1000	30.00	-44.77	≤-26	0.03334	≤2.5	PASS
NTNV	11N40SISO	Ant1	2462	1000~2387	2385.96	-44.52	≤-26	0.03532	≤2.5	PASS
NTNV	11N40SISO	Ant1	2462	2387~2400	2399.79	-39.89	≤-16	0.10257	≤25	PASS
NTNV	11N40SISO	Ant1	2462	2483.5~2496.5	2483.57	-22.53	≤-16	5.58470	≤25	PASS
NTNV	11N40SISO	Ant1	2462	2496.5~13000	2500.70	-42.02	≤-26	0.06281	≤2.5	PASS

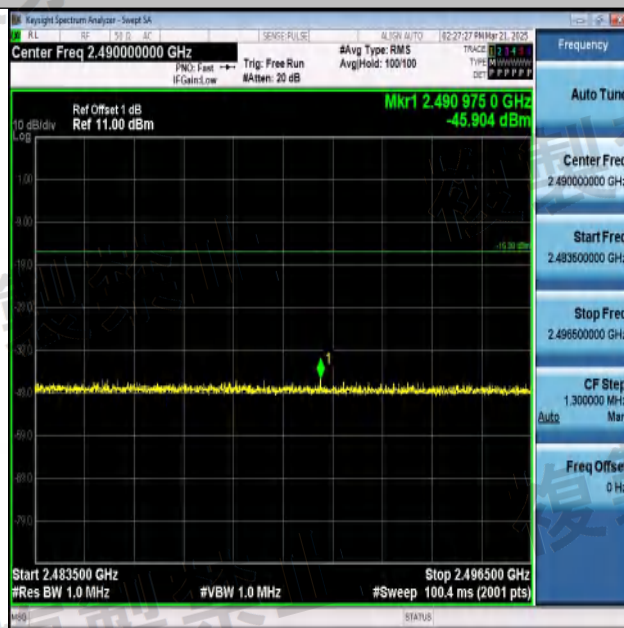


Test Graphs



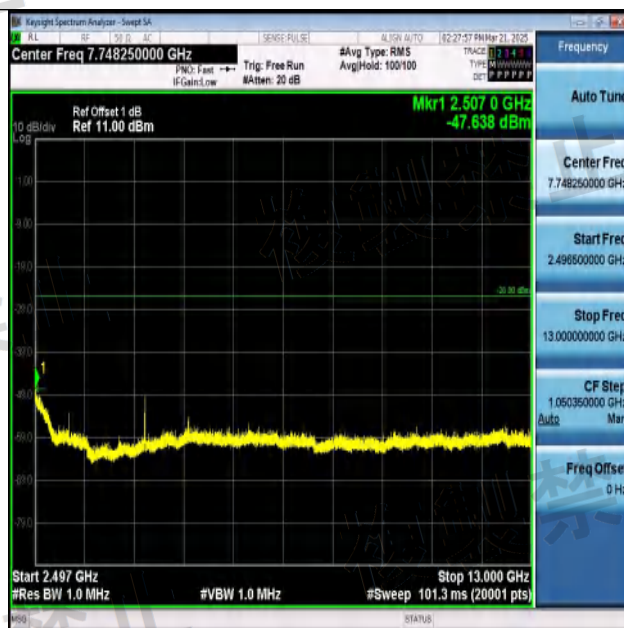


NTNV-11B-Ant1-2412-2387~2400-PASS

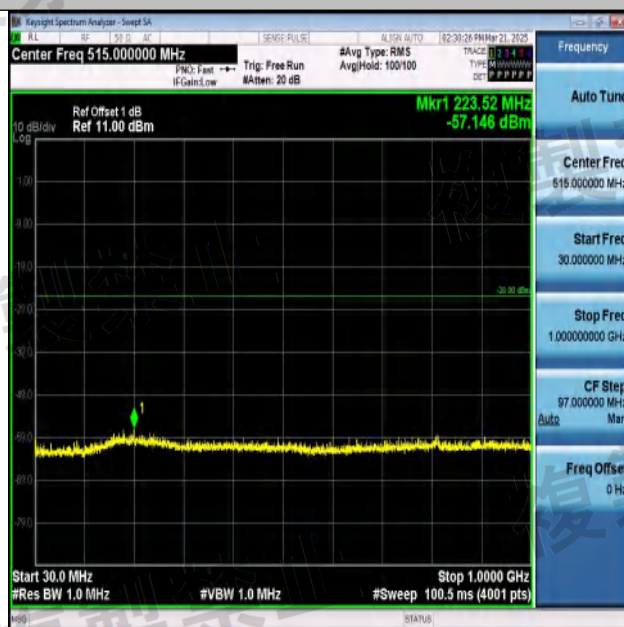


NTNV-11B-Ant1-2412-2483.5~2496.5-PASS



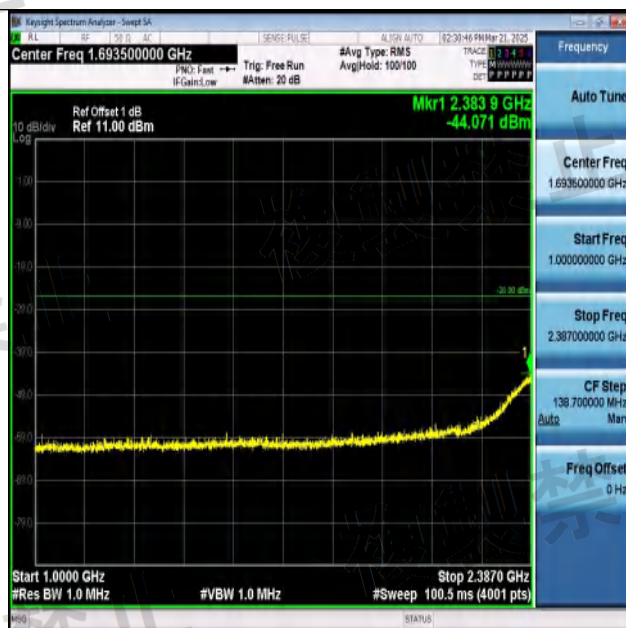


NTNV-11B-Ant1-2412-2496.5~13000-PASS

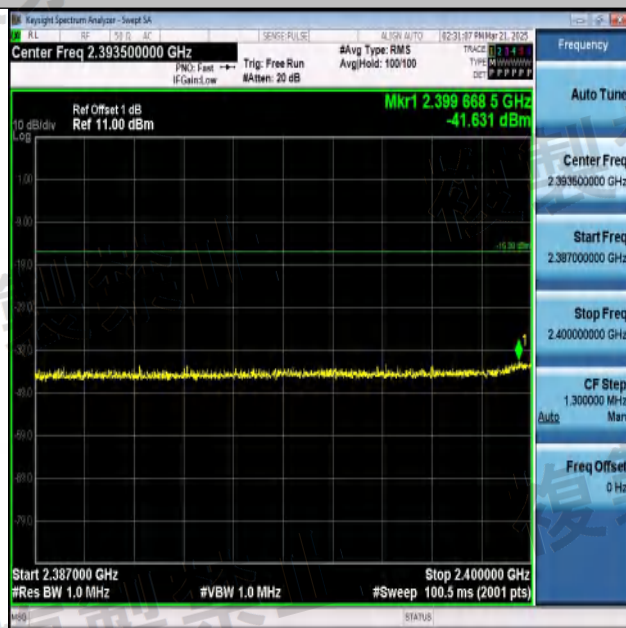


NTNV-11B-Ant1-2442-30~1000-PASS



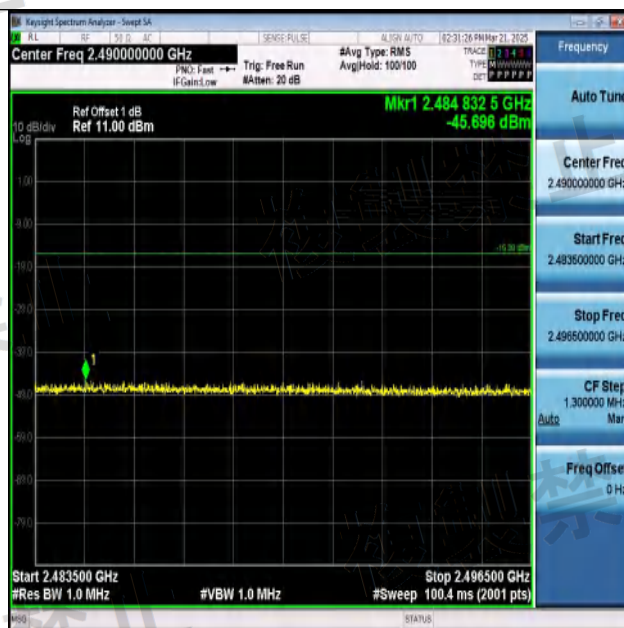


NTNV-11B-Ant1-2442-1000~2387-PASS

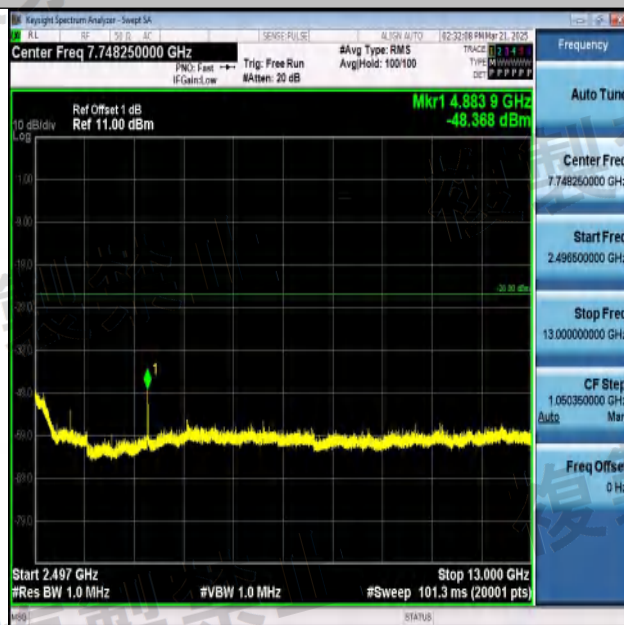


NTNV-11B-Ant1-2442-2387~2400-PASS



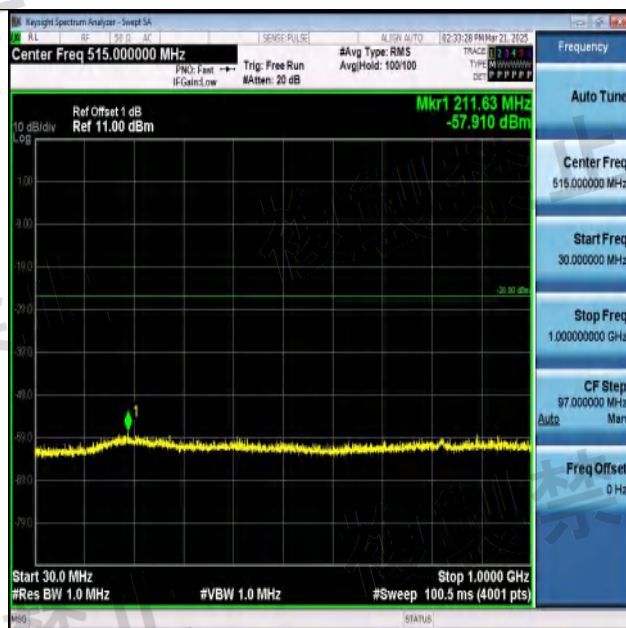


NTNV-11B-Ant1-2442-2483.5~2496.5-PASS

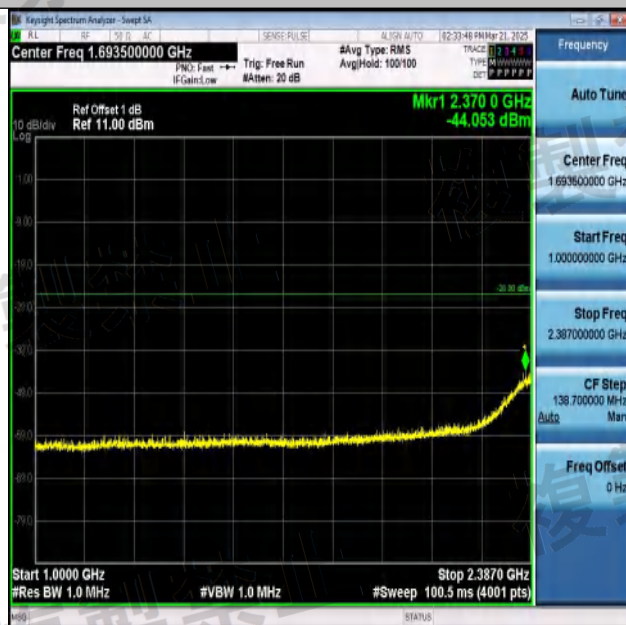


NTNV-11B-Ant1-2442-2496.5~13000-PASS



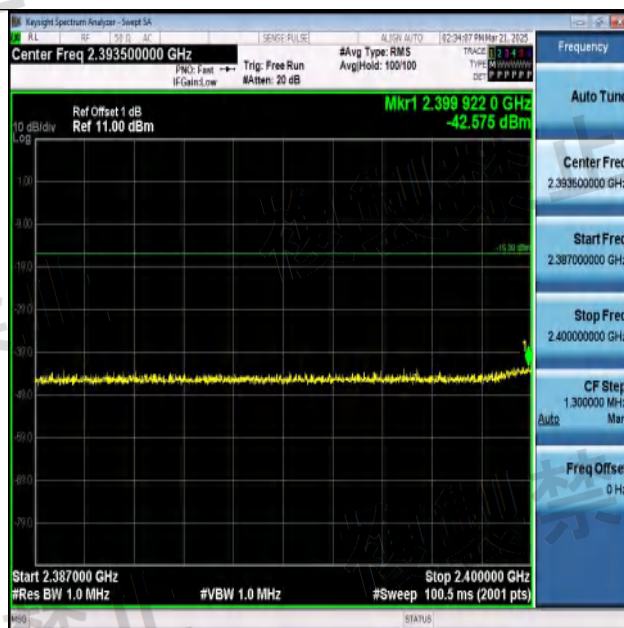


NTNV-11B-Ant1-2472-30~1000-PASS



NTNV-11B-Ant1-2472-1000~2387-PASS



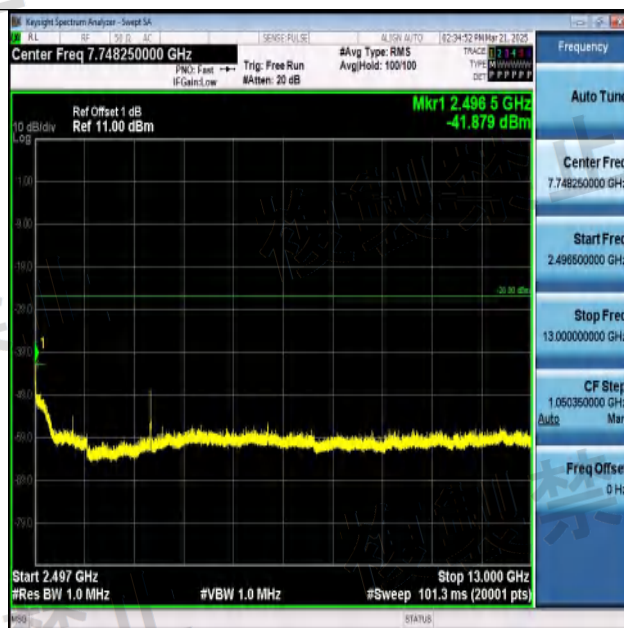


NTNV-11B-Ant1-2472-2387~2400-PASS

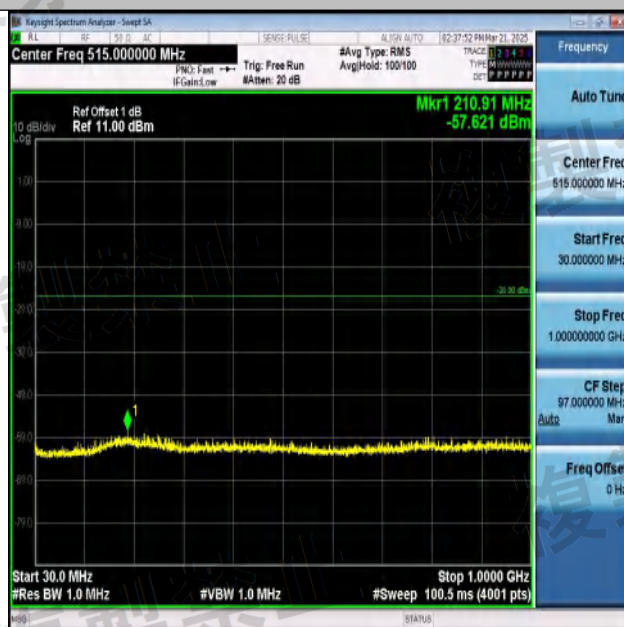


NTNV-11B-Ant1-2472-2483.5~2496.5-PASS



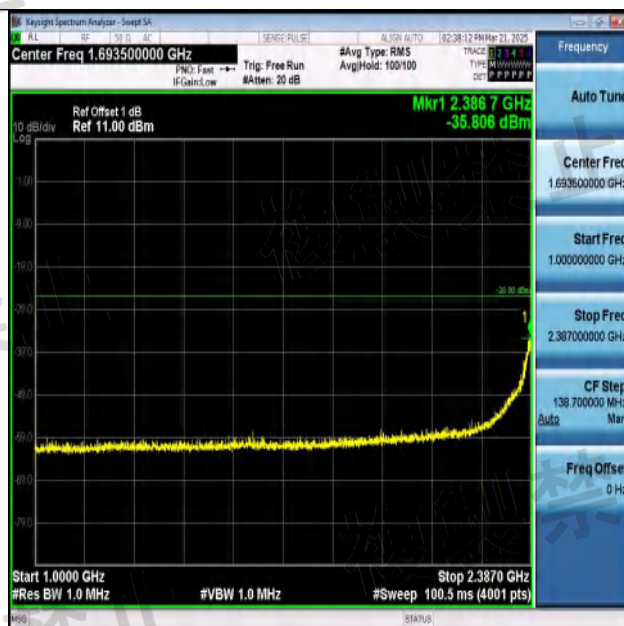


NTNV-11B-Ant1-2472-2496.5~13000-PASS

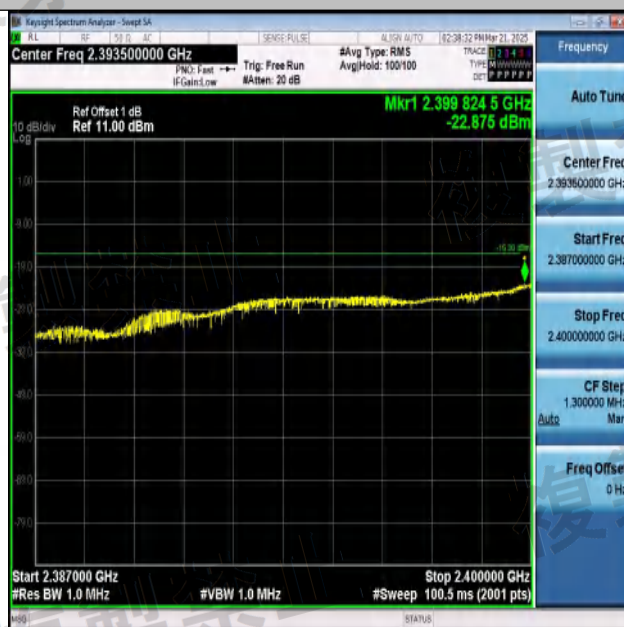


NTNV-11G-Ant1-2412-30~1000-PASS



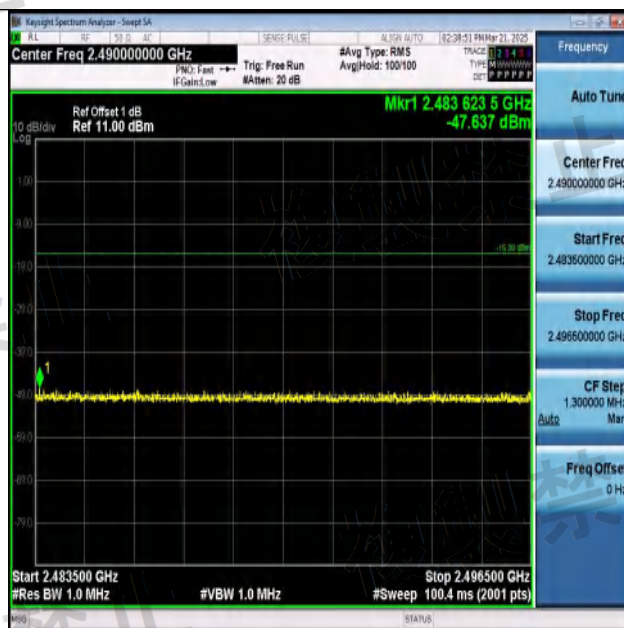


NTNV-11G-Ant1-2412-1000~2387-PASS

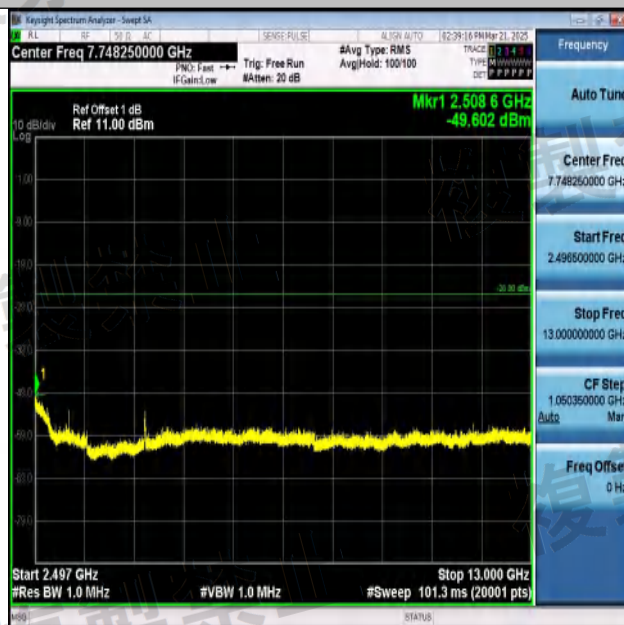


NTNV-11G-Ant1-2412-2387~2400-PASS



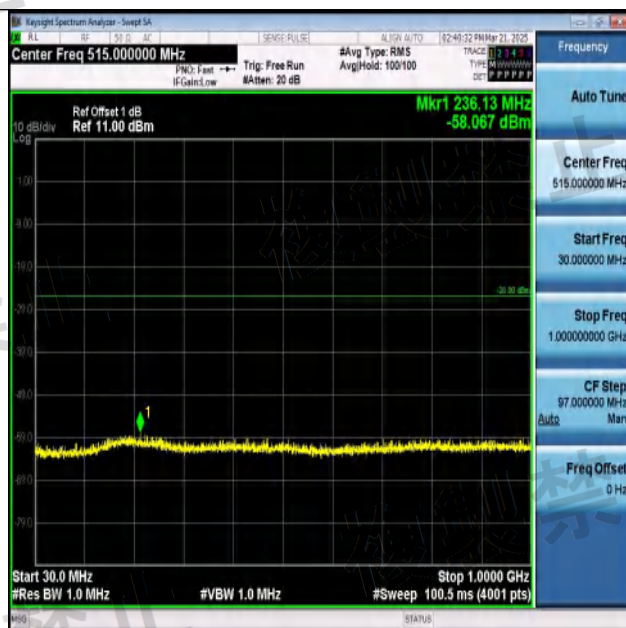


NTNV-11G-Ant1-2412-2483.5~2496.5-PASS

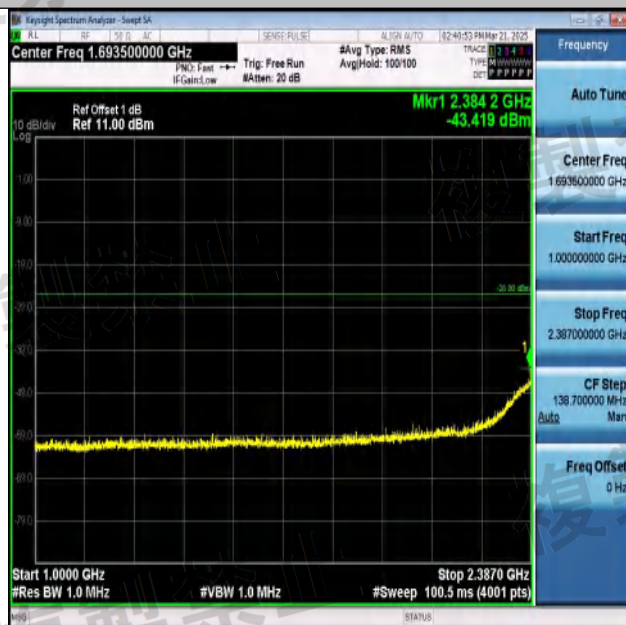


NTNV-11G-Ant1-2412-2496.5~13000-PASS



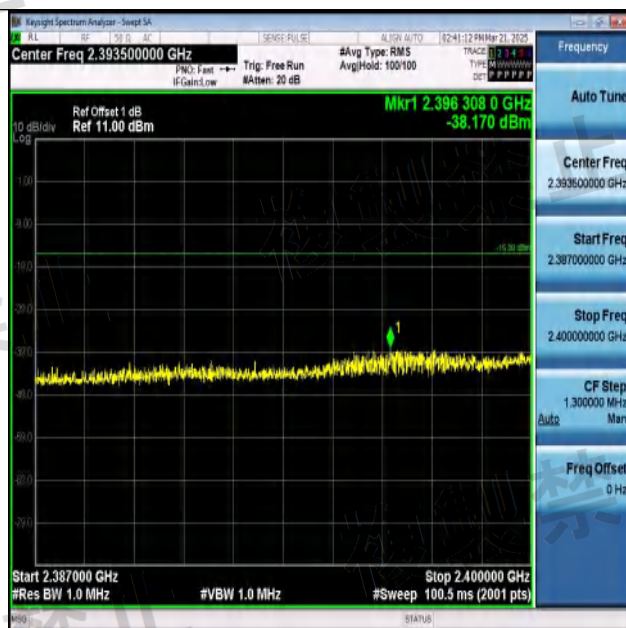


NTNV-11G-Ant1-2442-30~1000-PASS

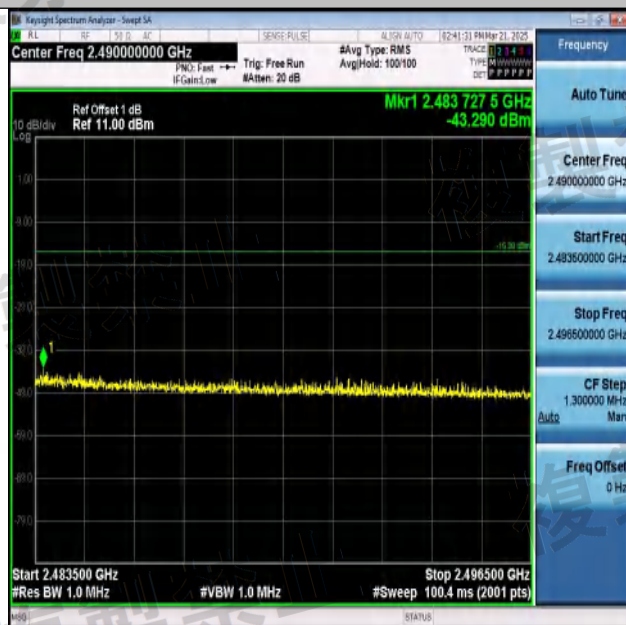


NTNV-11G-Ant1-2442-1000~2387-PASS



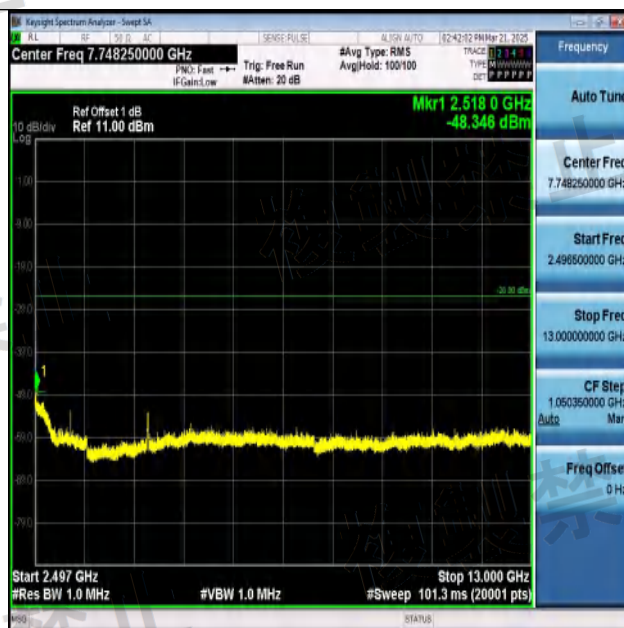


NTNV-11G-Ant1-2442-2387~2400-PASS

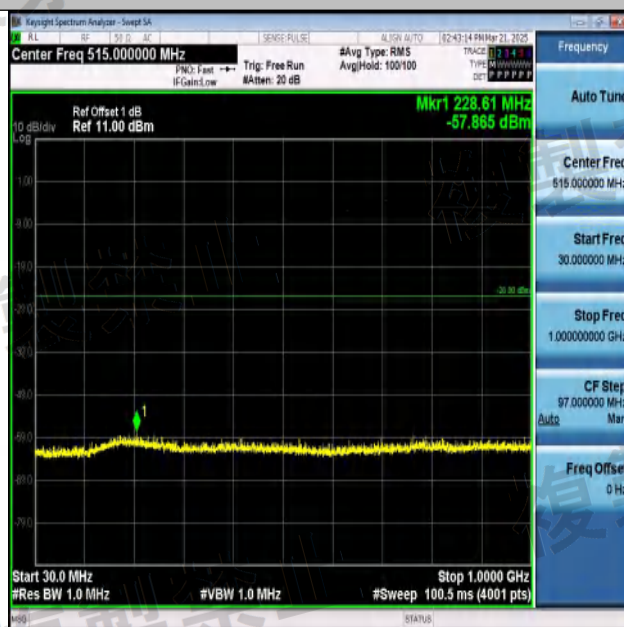


NTNV-11G-Ant1-2442-2483.5~2496.5-PASS



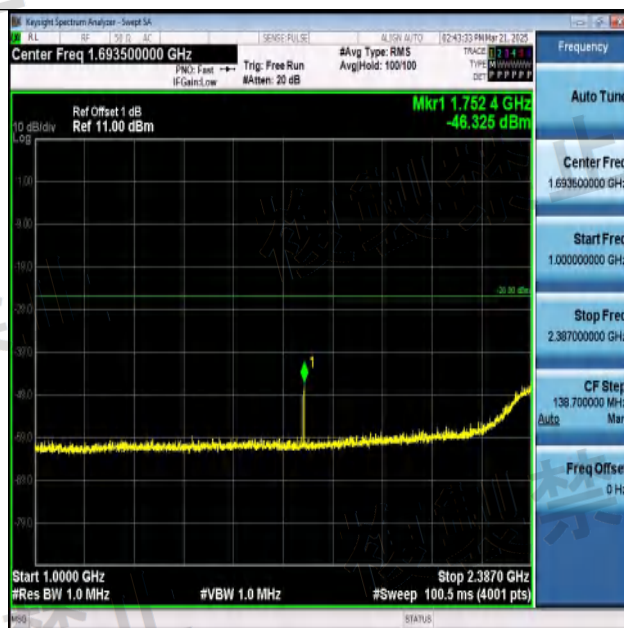


NTNV-11G-Ant1-2442-2496.5~13000-PASS

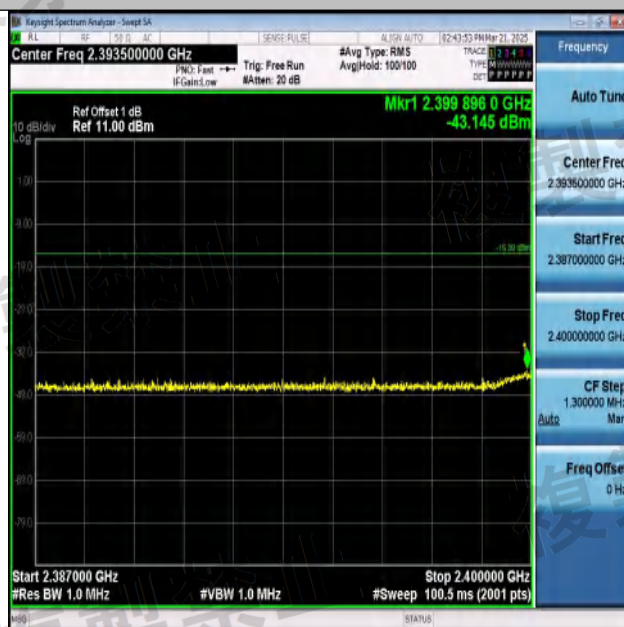


NTNV-11G-Ant1-2472-30~1000-PASS



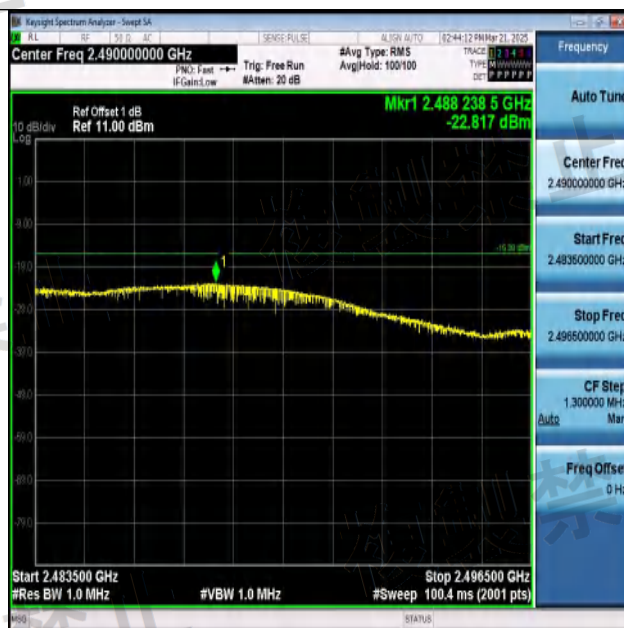


NTNV-11G-Ant1-2472-1000~2387-PASS

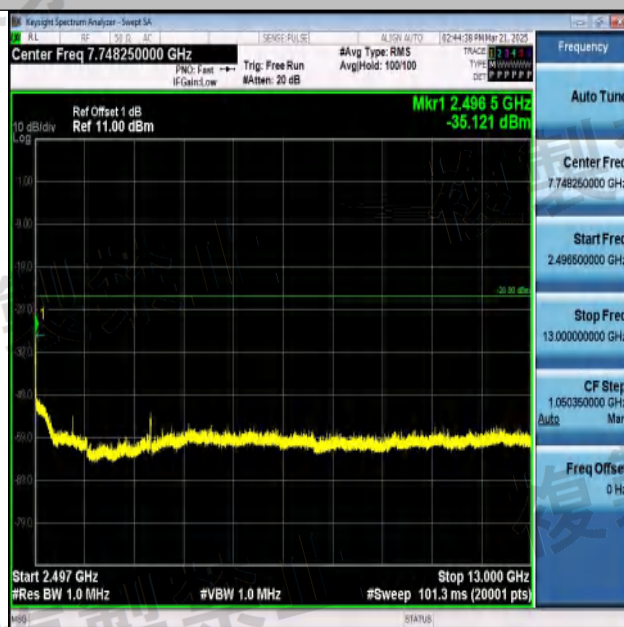


NTNV-11G-Ant1-2472-2387~2400-PASS



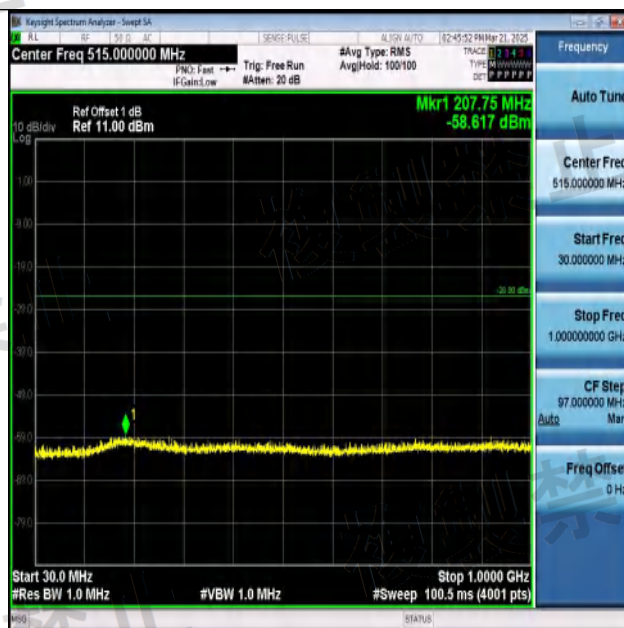


NTNV-11G-Ant1-2472-2483.5~2496.5-PASS

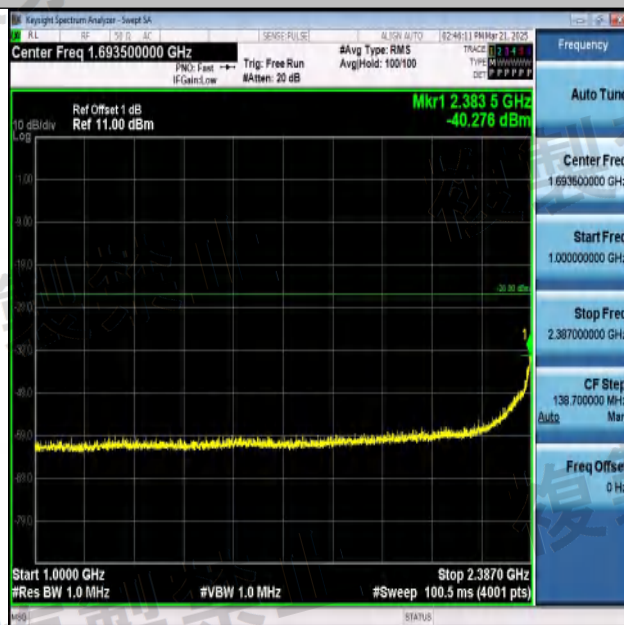


NTNV-11G-Ant1-2472-2496.5~13000-PASS



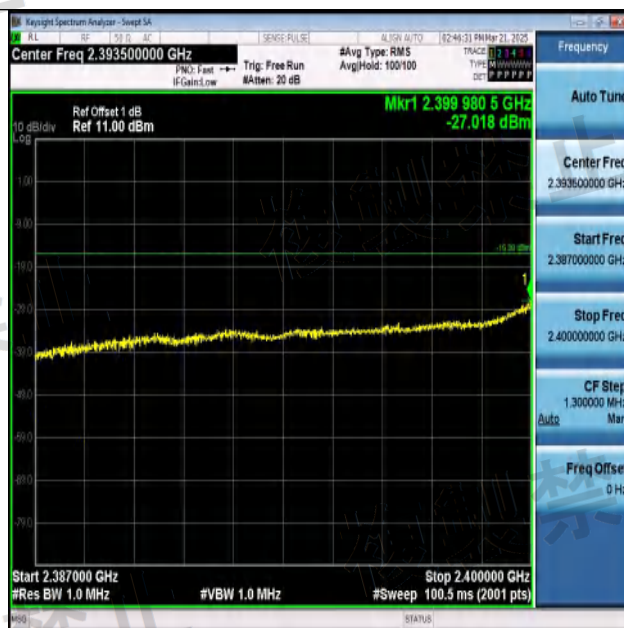


NTNV-11N20SISO-Ant1-2412-30~1000-PASS

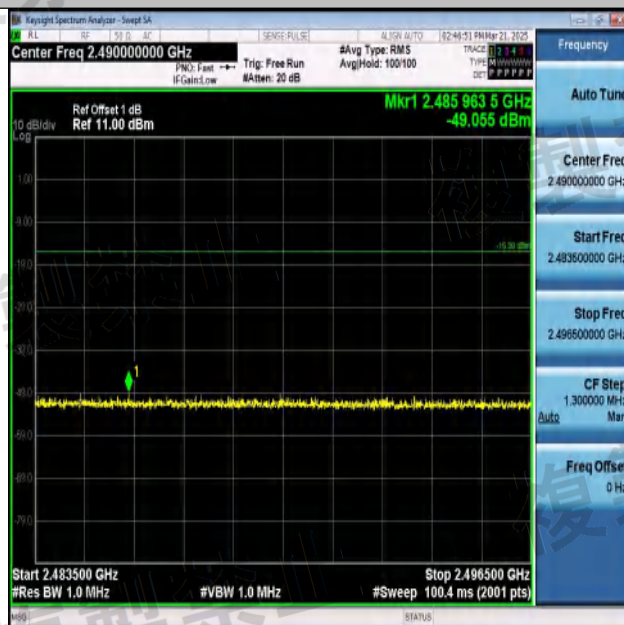


NTNV-11N20SISO-Ant1-2412-1000~2387-PASS



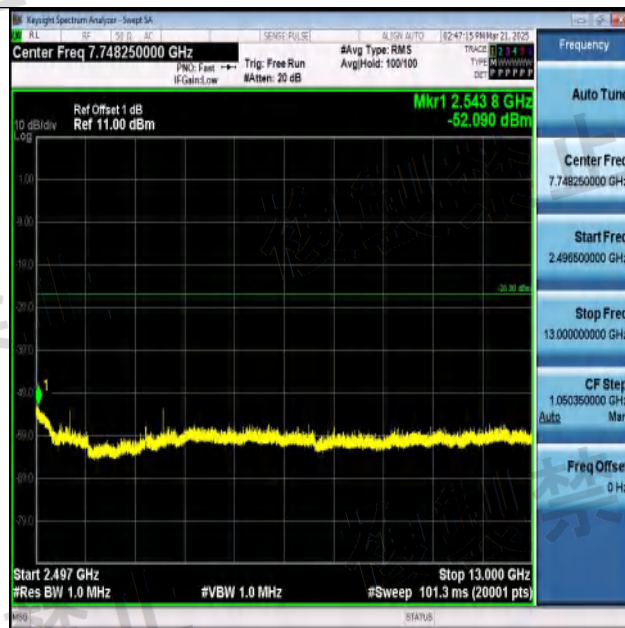


NTNV-11N20SISO-Ant1-2412-2387~2400-PASS

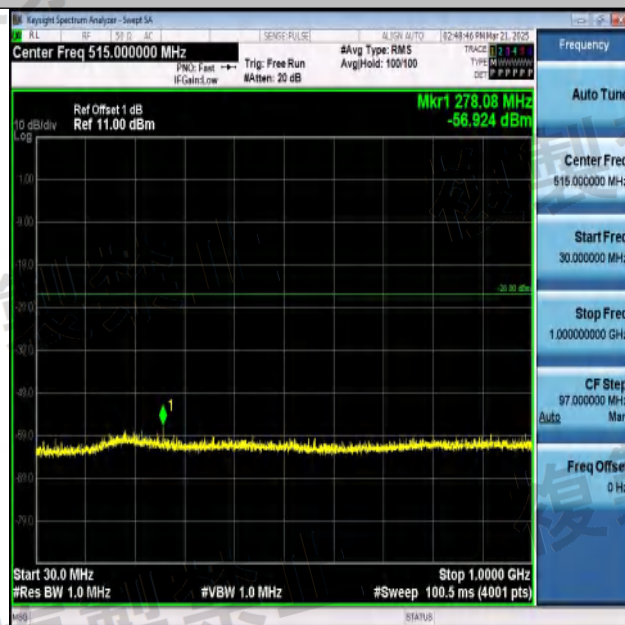


NTNV-11N20SISO-Ant1-2412-2483.5~2496.5-PASS



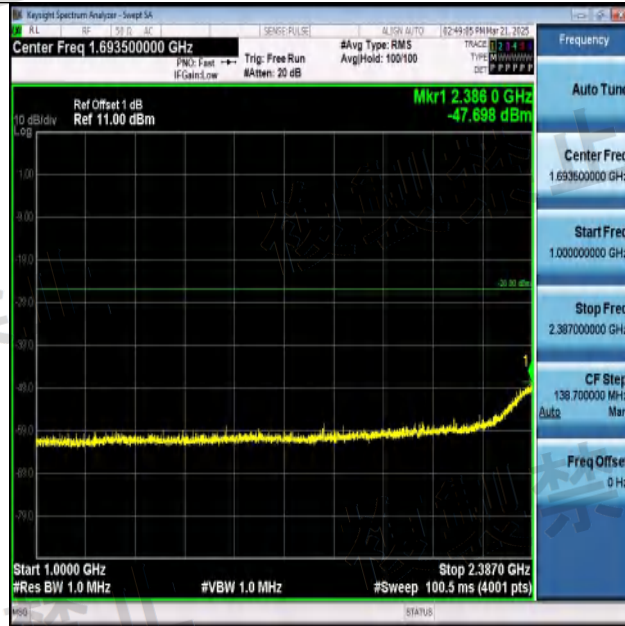


NTNV-11N20SISO-Ant1-2412-2496.5~13000-PASS

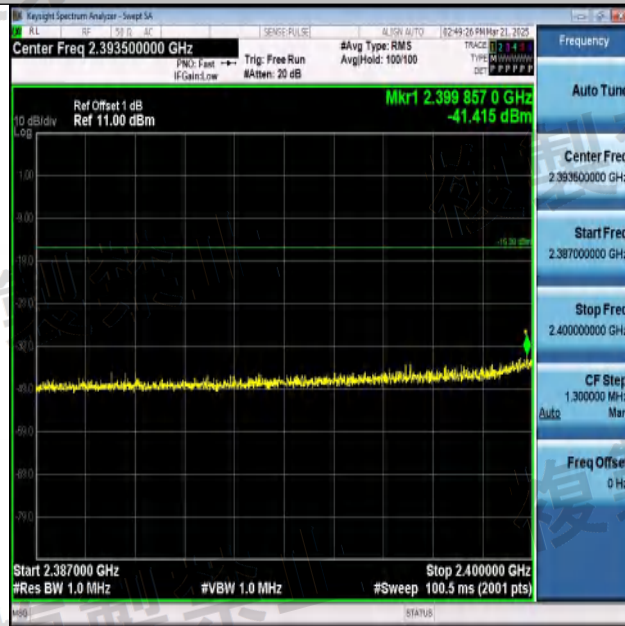


NTNV-11N20SISO-Ant1-2442-30~1000-PASS



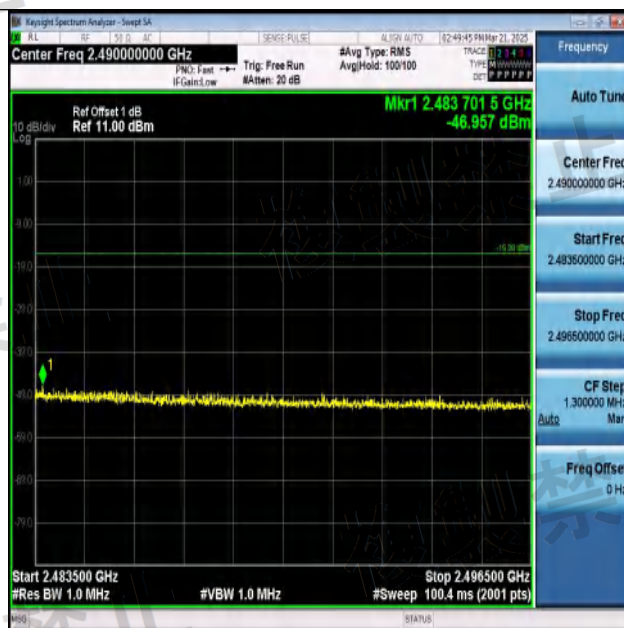


NTNV-11N20SISO-Ant1-2442-1000~2387-PASS

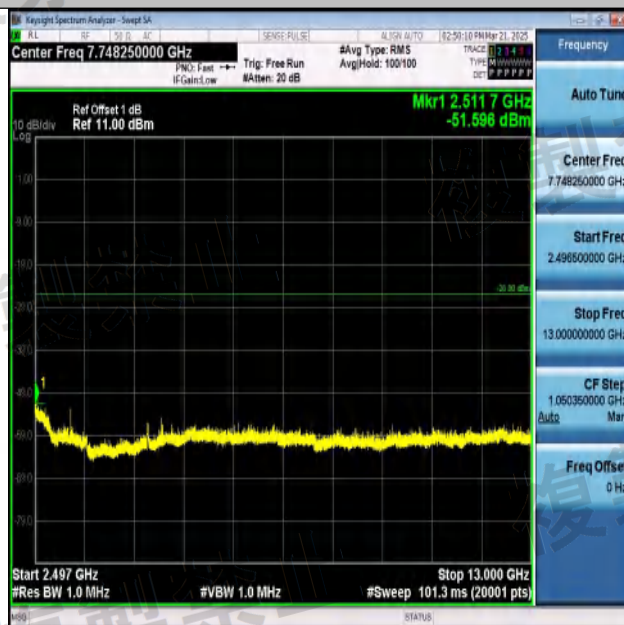


NTNV-11N20SISO-Ant1-2442-2387~2400-PASS



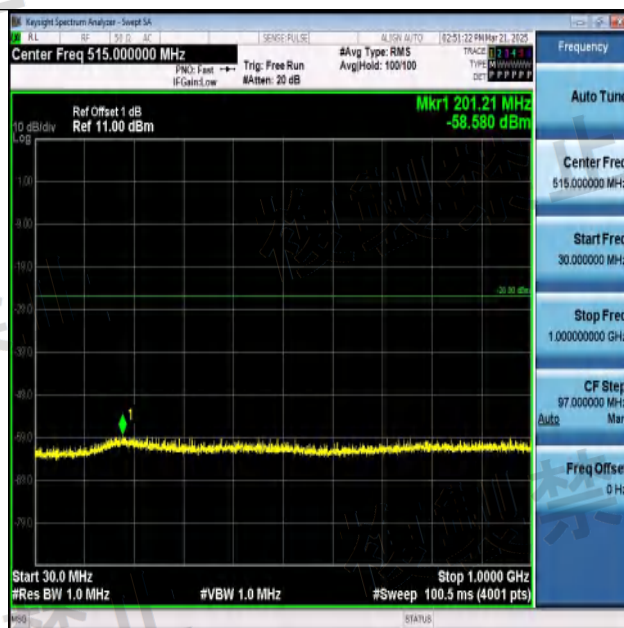


NTNV-11N20SISO-Ant1-2442-2483.5~2496.5-PASS

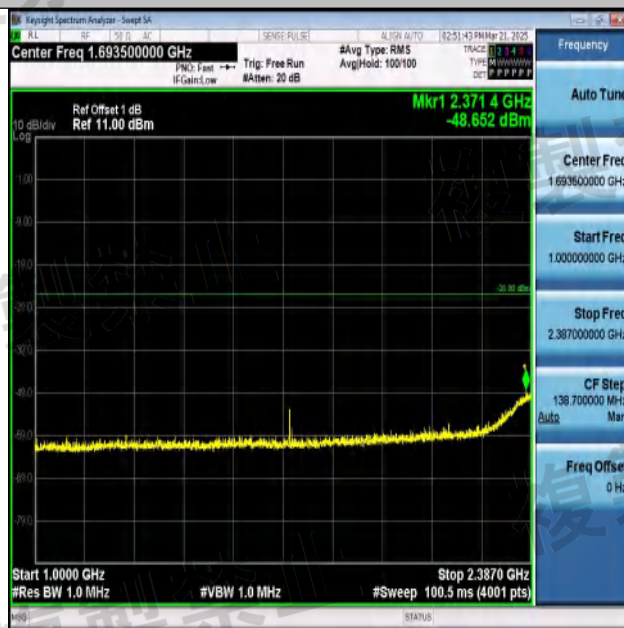


NTNV-11N20SISO-Ant1-2442-2496.5~13000-PASS



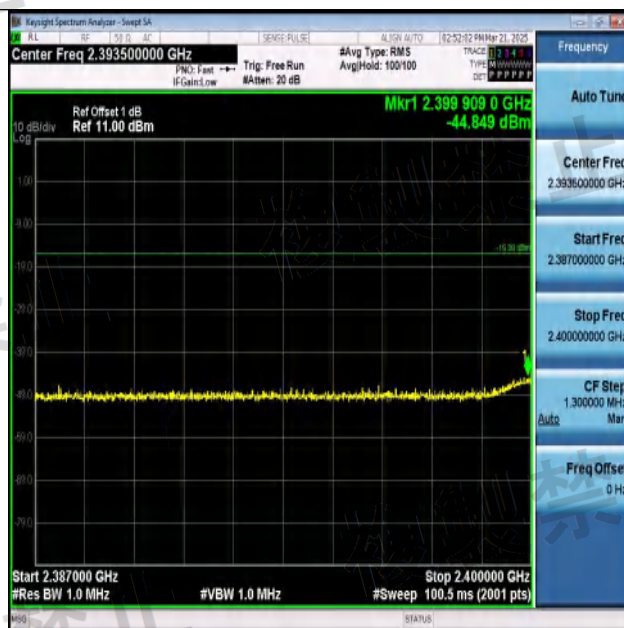


NTNV-11N20SISO-Ant1-2472-30~1000-PASS

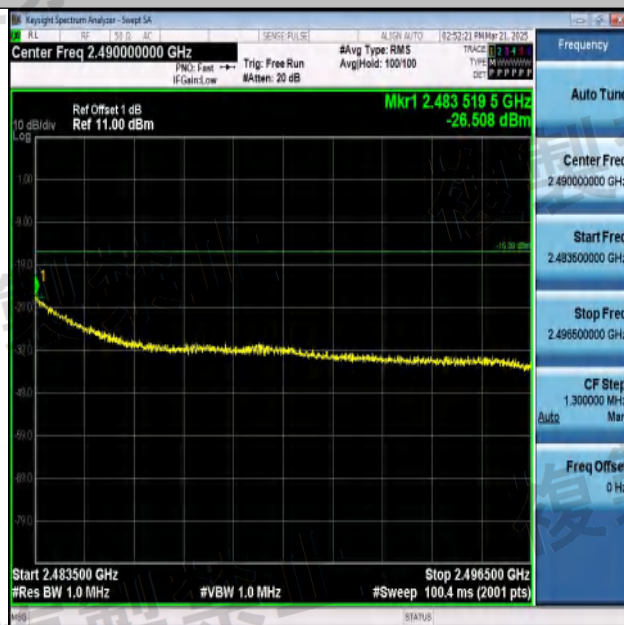


NTNV-11N20SISO-Ant1-2472-1000~2387-PASS



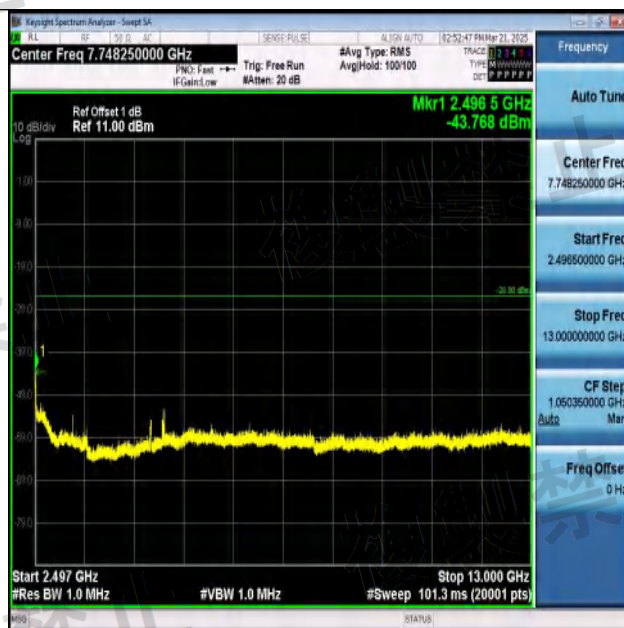


NTNV-11N20SISO-Ant1-2472-2387~2400-PASS

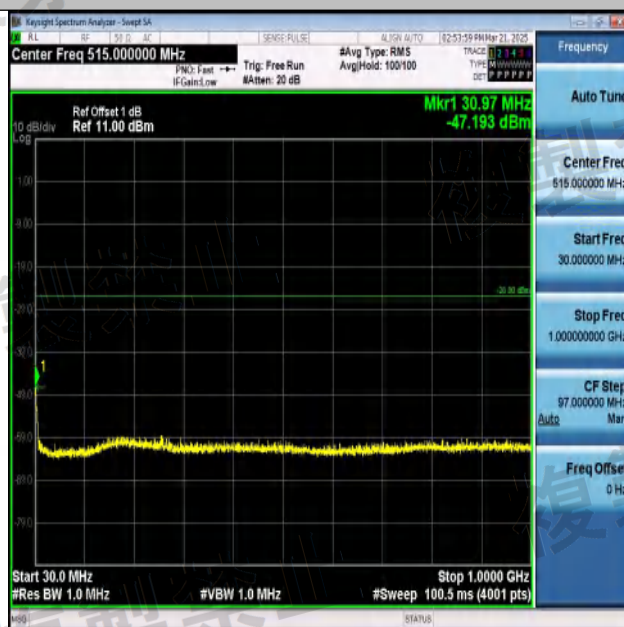


NTNV-11N20SISO-Ant1-2472-2483.5~2496.5-PASS



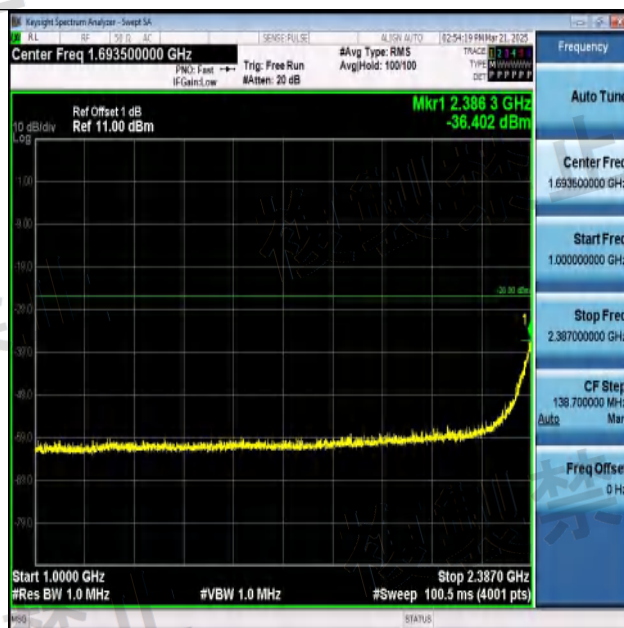


NTNV-11N20SISO-Ant1-2472-2496.5~13000-PASS

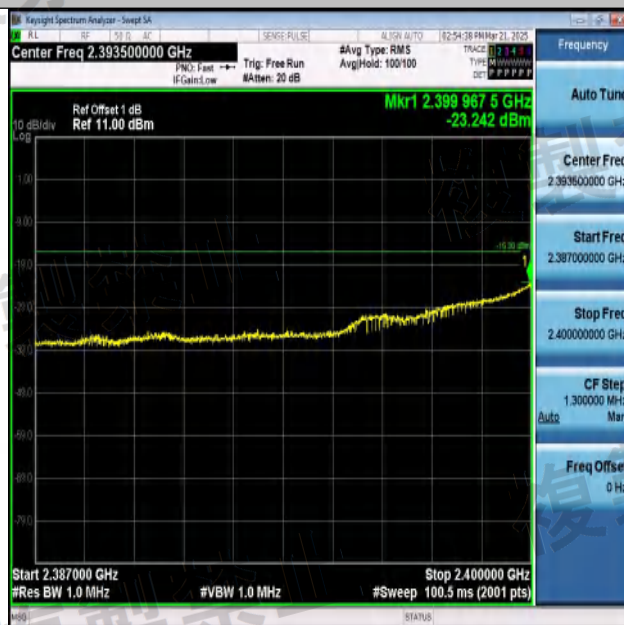


NTNV-11N40SISO-Ant1-2422-30~1000-PASS



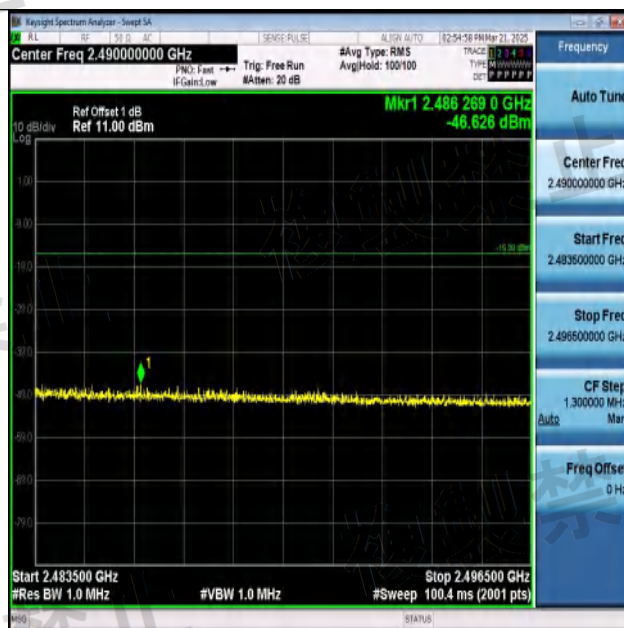


NTNV-11N40SISO-Ant1-2422-1000~2387-PASS

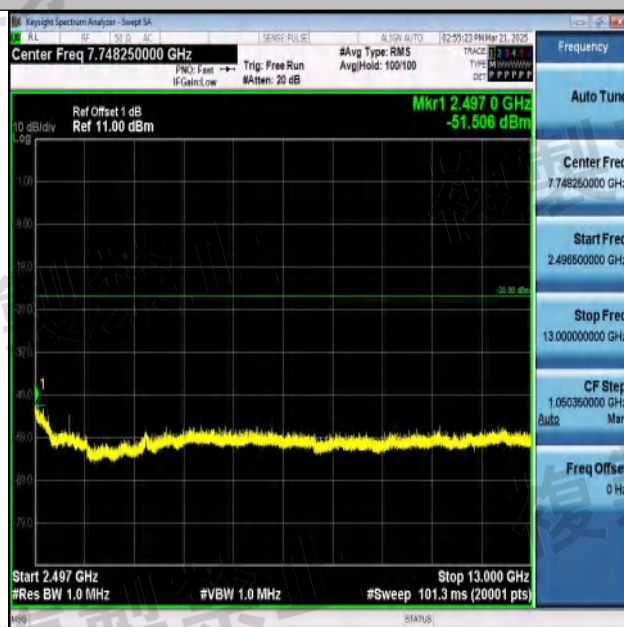


NTNV-11N40SISO-Ant1-2422-2387~2400-PASS



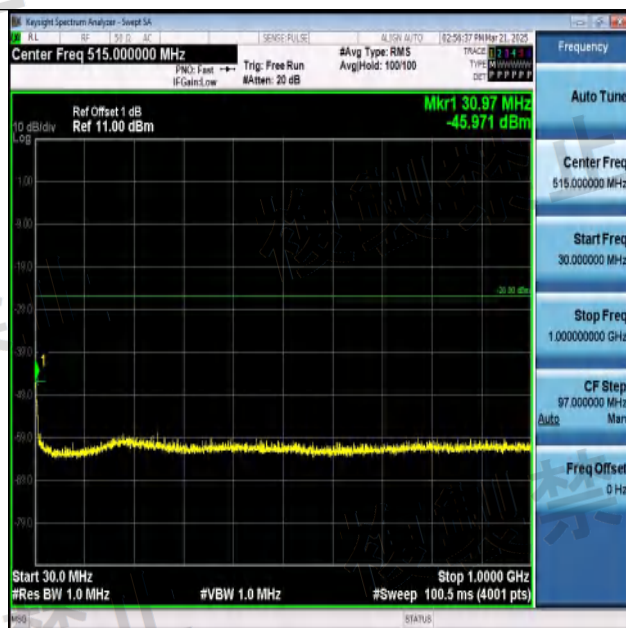


NTNV-11N40SISO-Ant1-2422-2483.5~2496.5-PASS

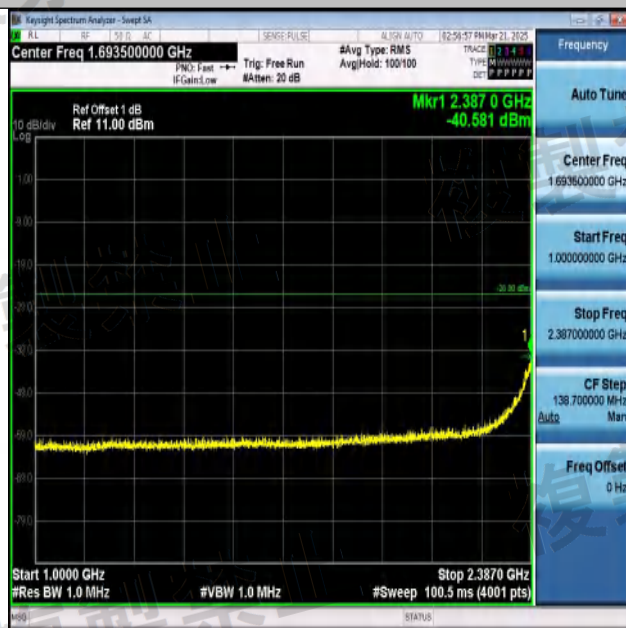


NTNV-11N40SISO-Ant1-2422-2496.5~13000-PASS



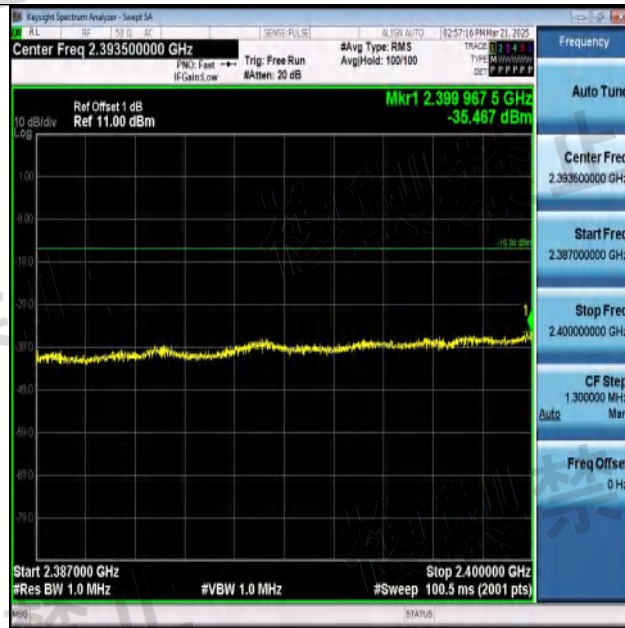


NTNV-11N40SISO-Ant1-2442-30~1000-PASS

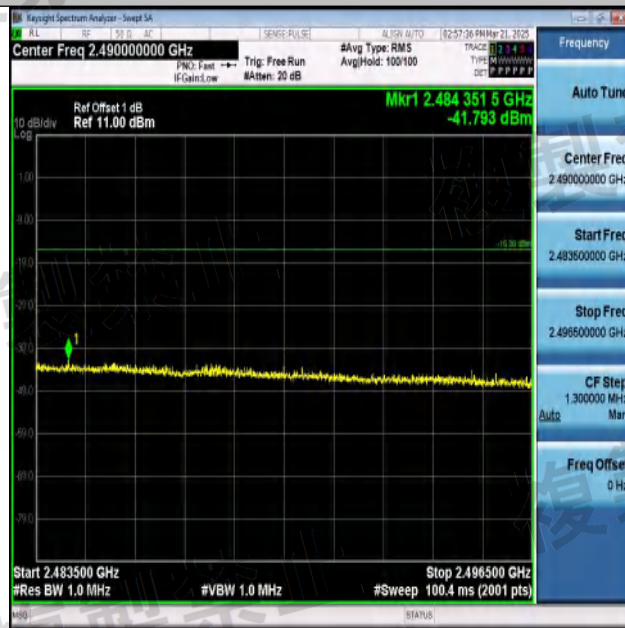


NTNV-11N40SISO-Ant1-2442-1000~2387-PASS



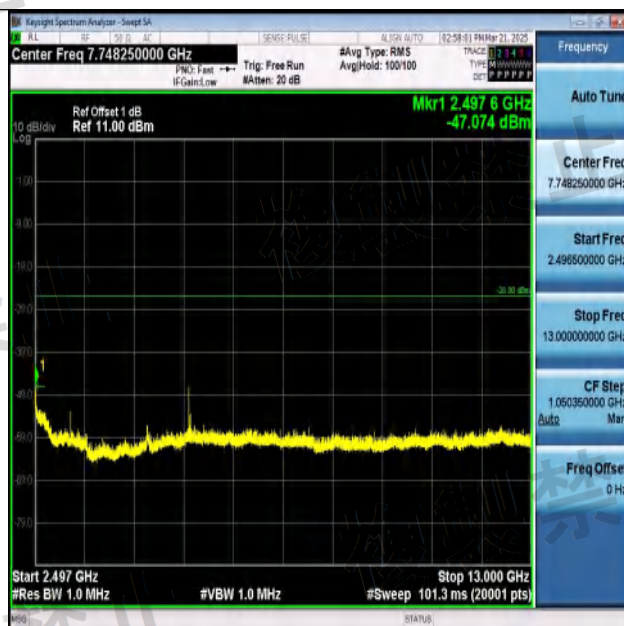


NTNV-11N40SISO-Ant1-2442-2387~2400-PASS

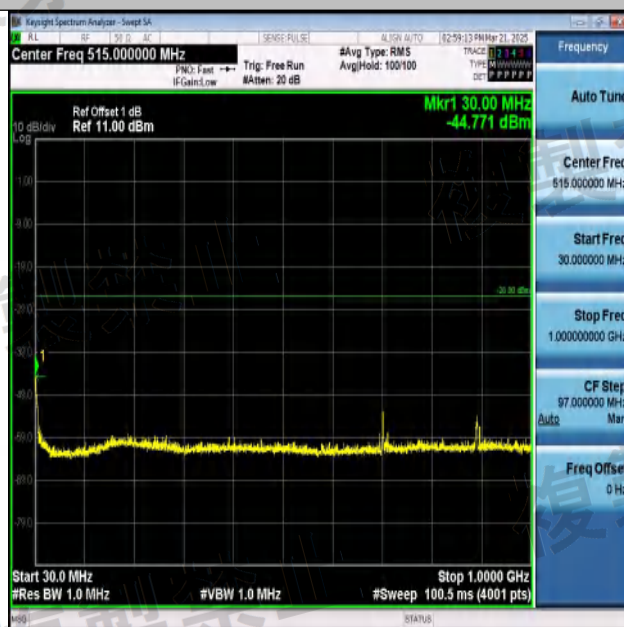


NTNV-11N40SISO-Ant1-2442-2483.5~2496.5-PASS



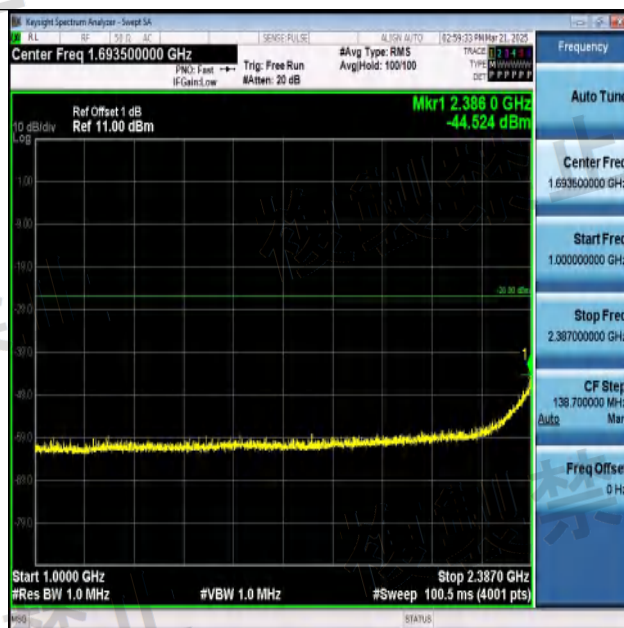


NTNV-11N40SISO-Ant1-2442-2496.5~13000-PASS

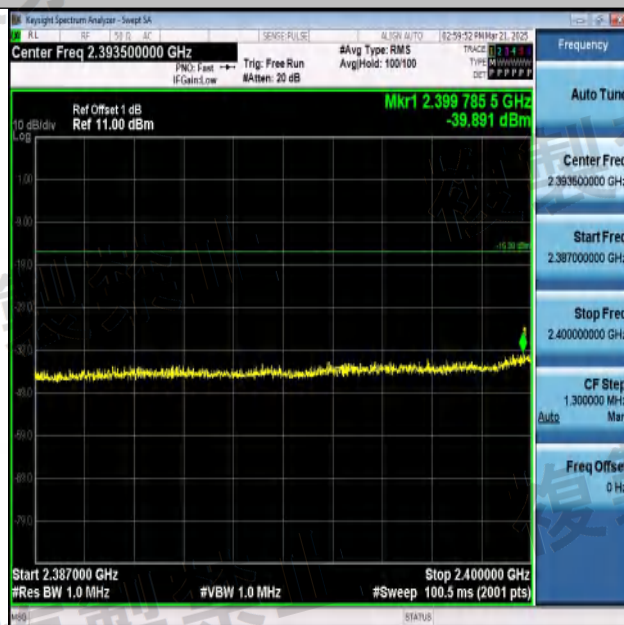


NTNV-11N40SISO-Ant1-2462-30~1000-PASS





NTNV-11N40SISO-Ant1-2462-1000~2387-PASS

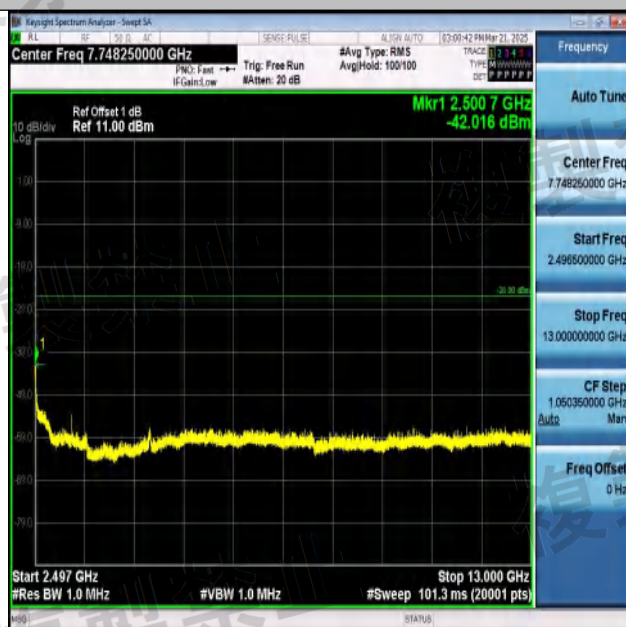


NTNV-11N40SISO-Ant1-2462-2387~2400-PASS





NTNV-11N40SISO-Ant1-2462-2483.5~2496.5-PASS



NTNV-11N40SISO-Ant1-2462-2496.5~13000-PASS



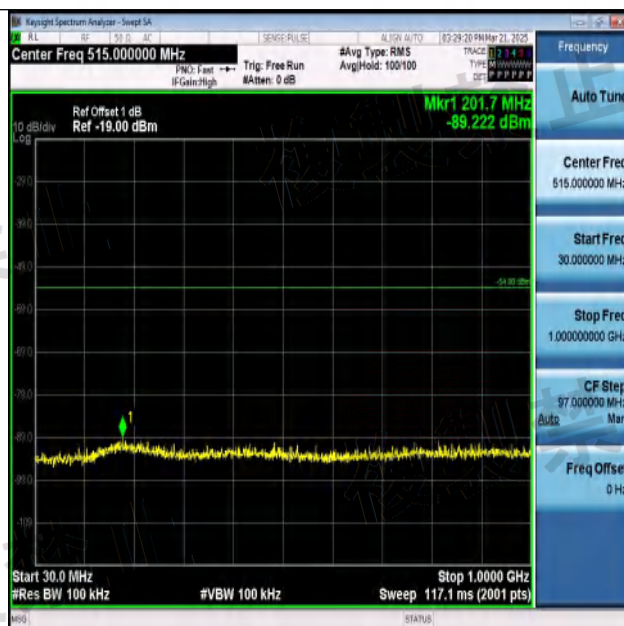
Appendix E: Spurious Emission of RX

Test Result

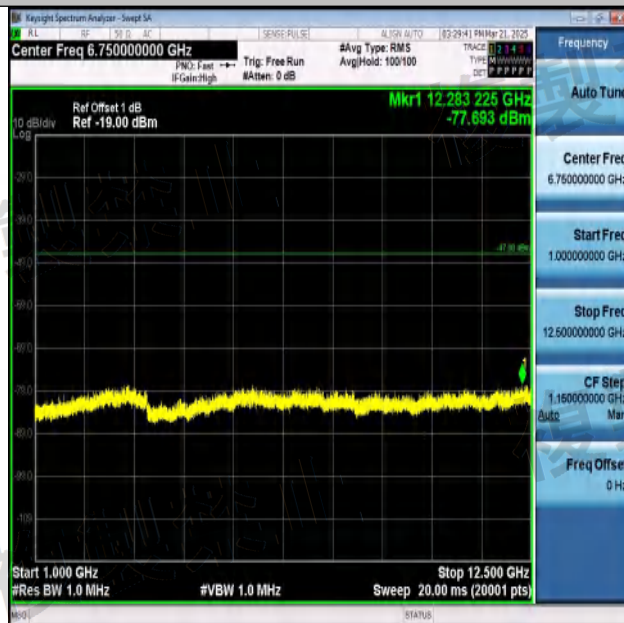
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	201.69	-89.22	≤-54	0.00120	≤4	PASS
NTNV	11B	Ant1	2412	1000~12500	12283.23	-77.69	≤-47	0.01702	≤20	PASS
NTNV	11B	Ant1	2442	30~1000	209.45	-89.29	≤-54	0.00118	≤4	PASS
NTNV	11B	Ant1	2442	1000~12500	11044.10	-77.69	≤-47	0.01702	≤20	PASS
NTNV	11B	Ant1	2472	30~1000	194.90	-88.87	≤-54	0.00130	≤4	PASS
NTNV	11B	Ant1	2472	1000~12500	12205.03	-77.09	≤-47	0.01954	≤20	PASS
NTNV	11G	Ant1	2412	30~1000	222.06	-89.61	≤-54	0.00109	≤4	PASS
NTNV	11G	Ant1	2412	1000~12500	6295.75	-77.10	≤-47	0.01950	≤20	PASS
NTNV	11G	Ant1	2442	30~1000	209.45	-89.42	≤-54	0.00114	≤4	PASS
NTNV	11G	Ant1	2442	1000~12500	12349.93	-77.17	≤-47	0.01919	≤20	PASS
NTNV	11G	Ant1	2472	30~1000	210.42	-87.81	≤-54	0.00166	≤4	PASS
NTNV	11G	Ant1	2472	1000~12500	7013.93	-77.63	≤-47	0.01726	≤20	PASS
NTNV	11N20SISO	Ant1	2412	30~1000	216.73	-89.15	≤-54	0.00122	≤4	PASS
NTNV	11N20SISO	Ant1	2412	1000~12500	12465.50	-77.05	≤-47	0.01972	≤20	PASS
NTNV	11N20SISO	Ant1	2442	30~1000	209.94	-89.44	≤-54	0.00114	≤4	PASS
NTNV	11N20SISO	Ant1	2442	1000~12500	12367.18	-77.47	≤-47	0.01791	≤20	PASS
NTNV	11N20SISO	Ant1	2472	30~1000	952.47	-88.96	≤-54	0.00127	≤4	PASS
NTNV	11N20SISO	Ant1	2472	1000~12500	2669.23	-76.98	≤-47	0.02004	≤20	PASS
NTNV	11N40SISO	Ant1	2422	30~1000	222.55	-89.20	≤-54	0.00120	≤4	PASS
NTNV	11N40SISO	Ant1	2422	1000~12500	7191.03	-77.00	≤-47	0.01995	≤20	PASS
NTNV	11N40SISO	Ant1	2442	30~1000	198.30	-89.24	≤-54	0.00119	≤4	PASS
NTNV	11N40SISO	Ant1	2442	1000~12500	3289.65	-76.34	≤-47	0.02323	≤20	PASS
NTNV	11N40SISO	Ant1	2462	30~1000	240.49	-87.50	≤-54	0.00178	≤4	PASS
NTNV	11N40SISO	Ant1	2462	1000~12500	12311.40	-76.93	≤-47	0.02028	≤20	PASS



Test Graphs

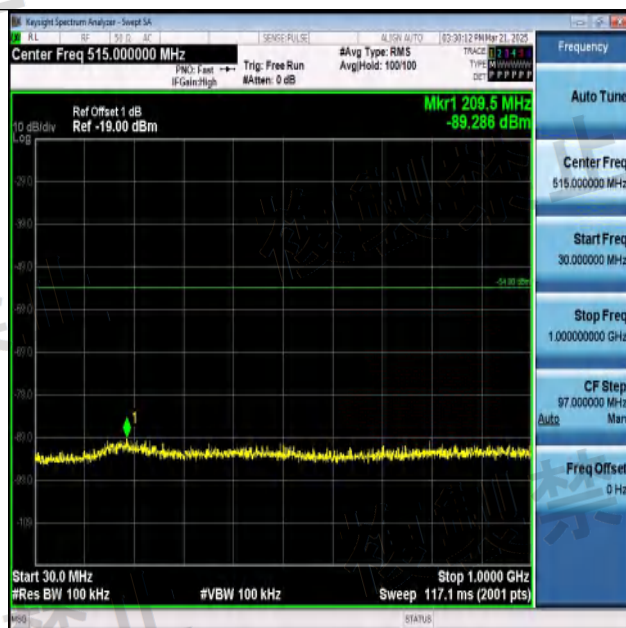


NTNV-11B-Ant1-2412-30~1000-PASS

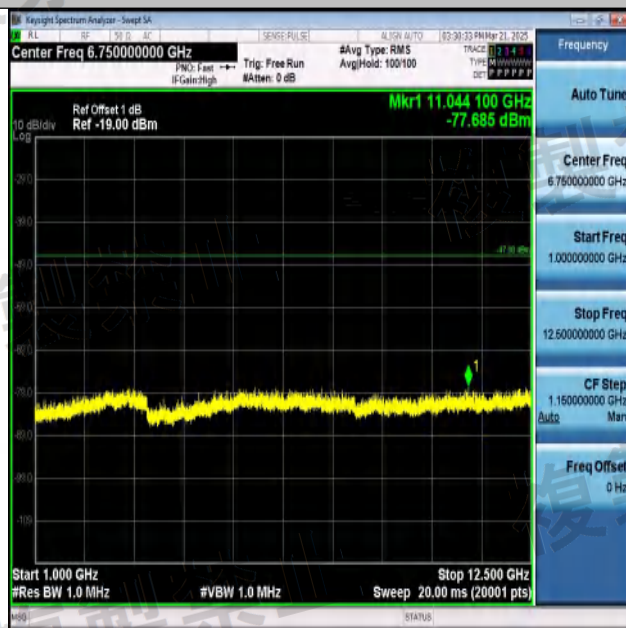


NTNV-11B-Ant1-2412-1000~12500-PASS



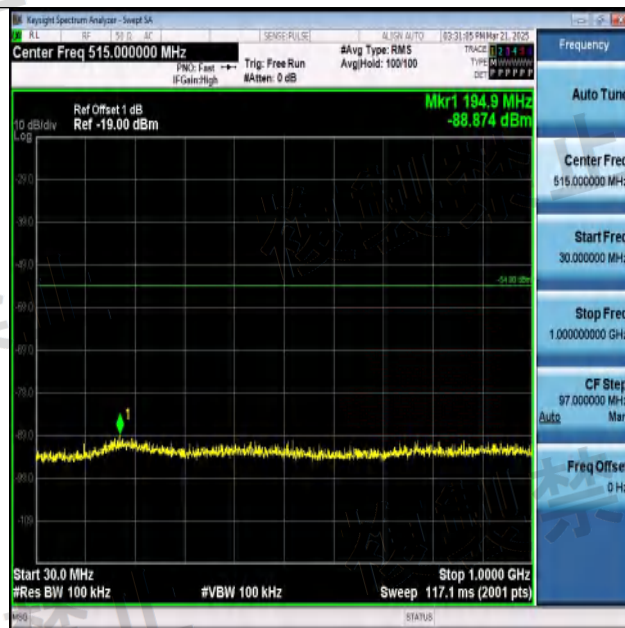


NTNV-11B-Ant1-2442-30~1000-PASS

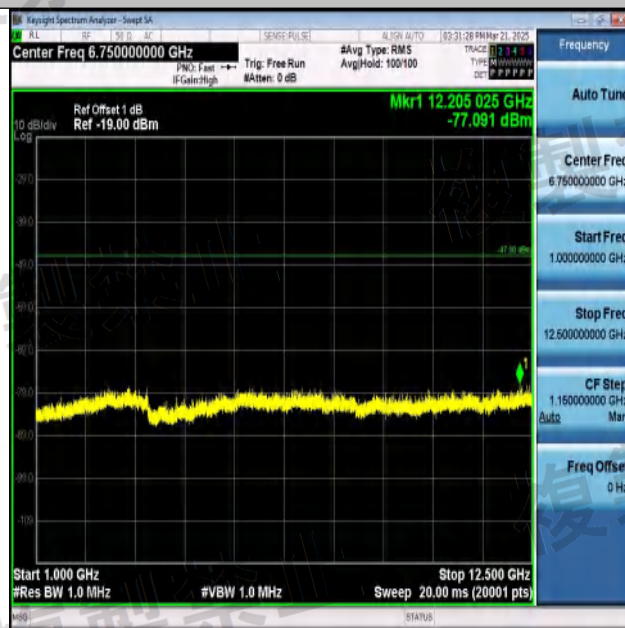


NTNV-11B-Ant1-2442-1000~12500-PASS



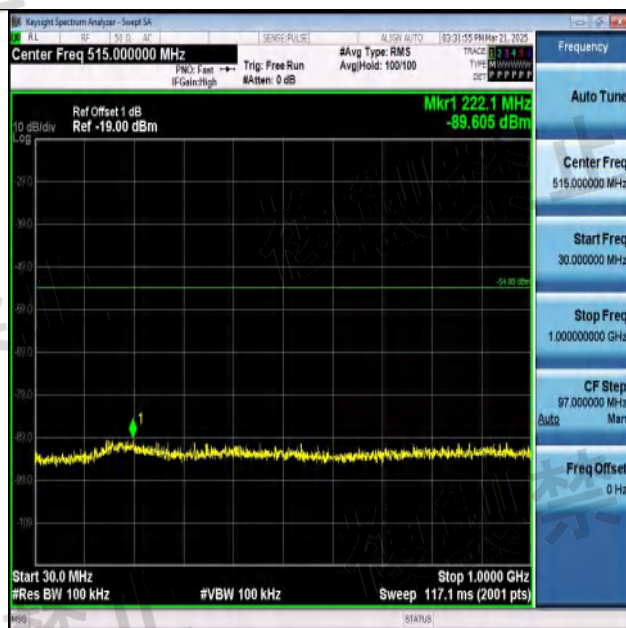


NTNV-11B-Ant1-2472-30~1000-PASS

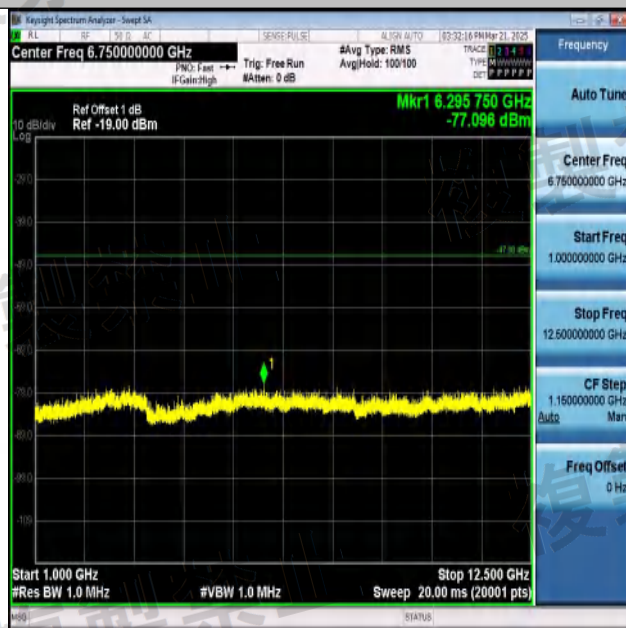


NTNV-11B-Ant1-2472-1000~12500-PASS



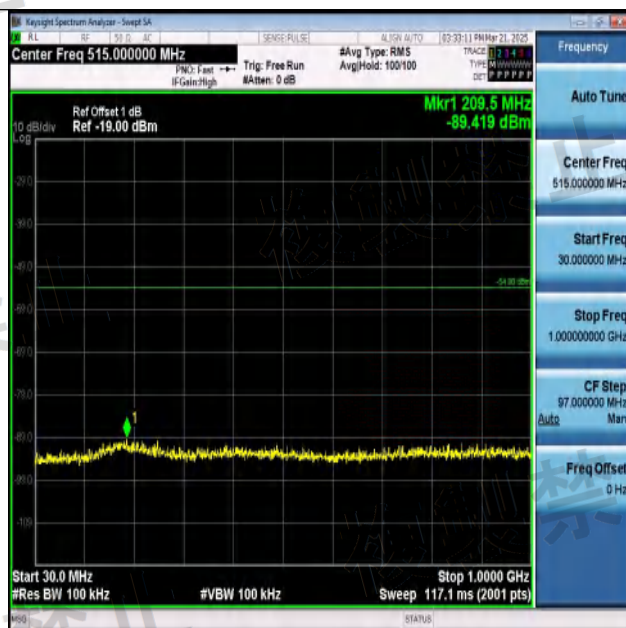


NTNV-11G-Ant1-2412-30~1000-PASS

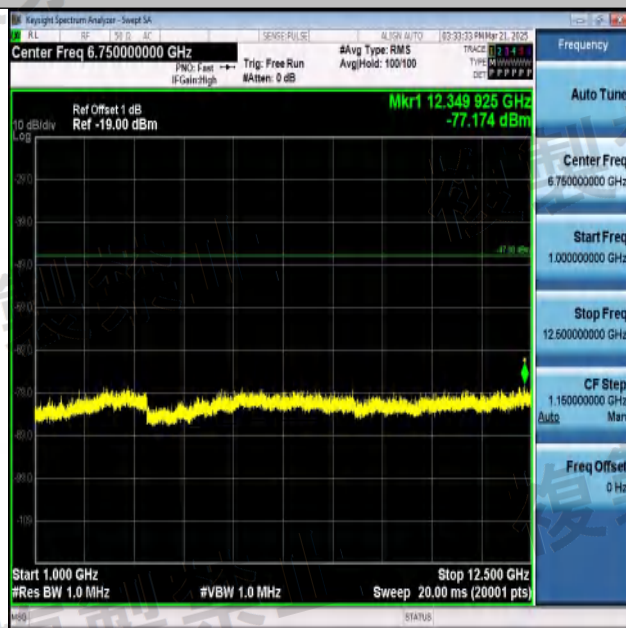


NTNV-11G-Ant1-2412-1000~12500-PASS



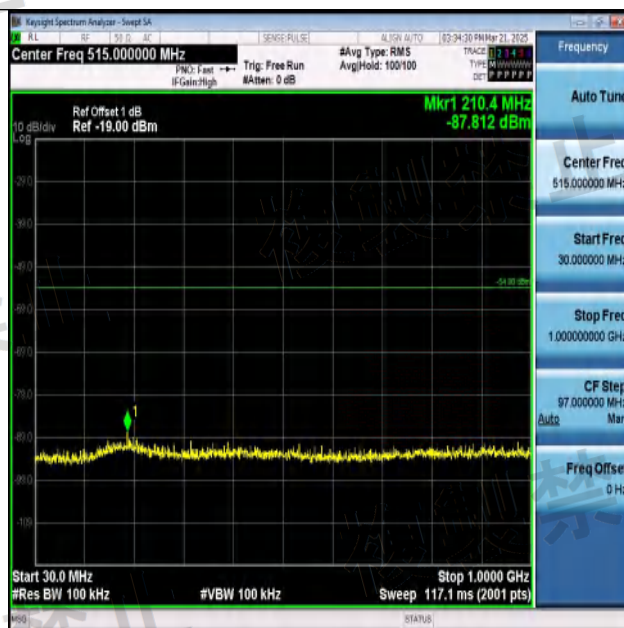


NTNV-11G-Ant1-2442-30~1000-PASS

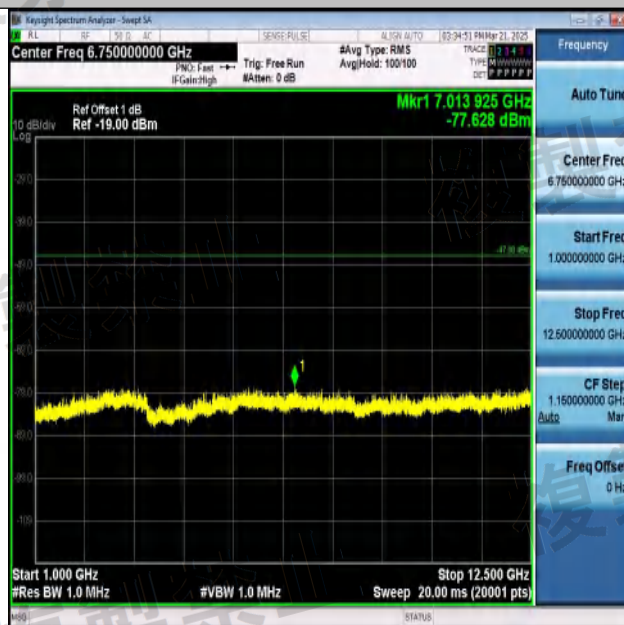


NTNV-11G-Ant1-2442-1000~12500-PASS



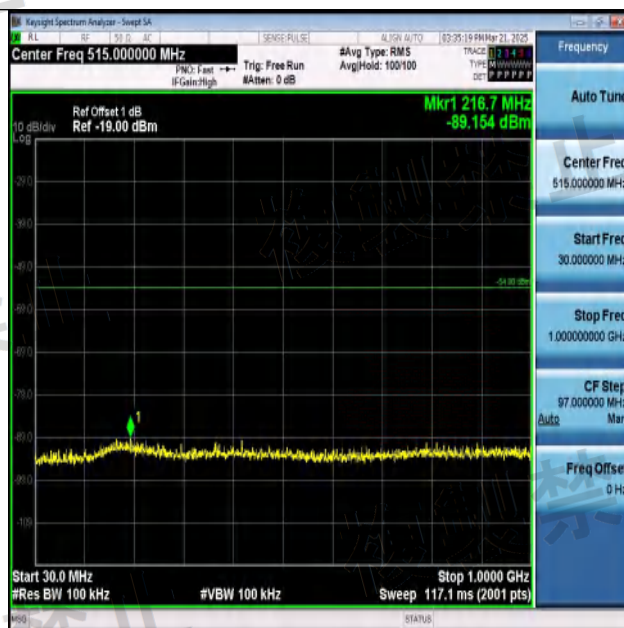


NTNV-11G-Ant1-2472-30~1000-PASS

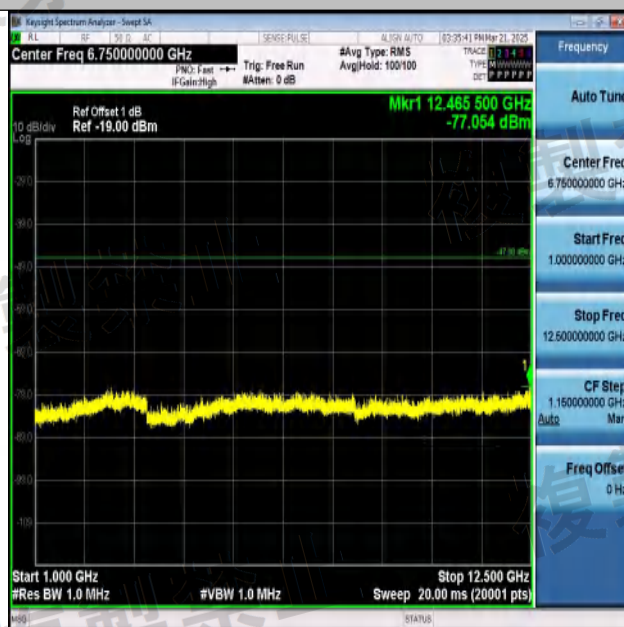


NTNV-11G-Ant1-2472-1000~12500-PASS



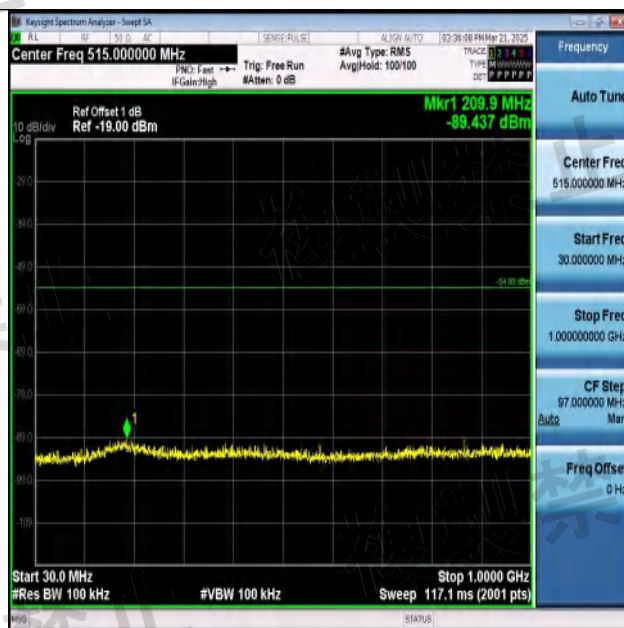


NTNV-11N20SISO-Ant1-2412-30~1000-PASS

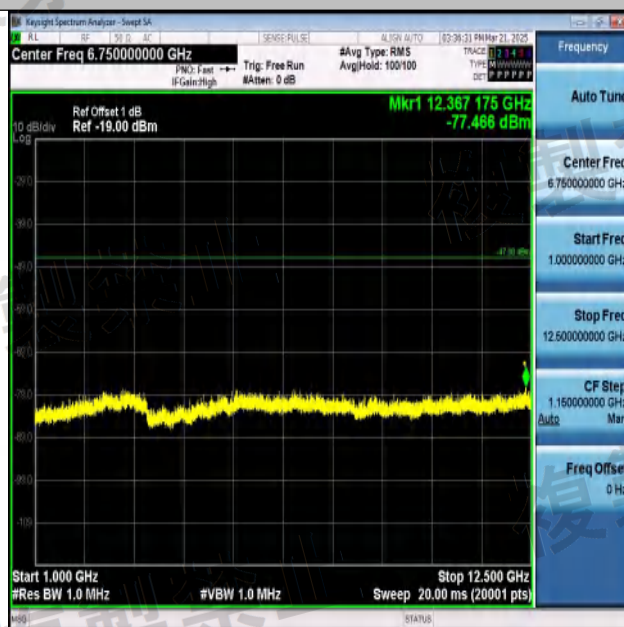


NTNV-11N20SISO-Ant1-2412-1000~12500-PASS



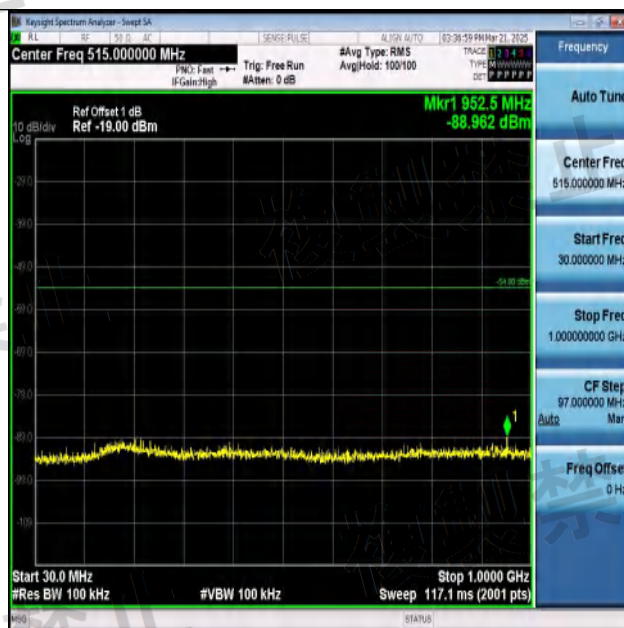


NTNV-11N20SISO-Ant1-2442-30~1000-PASS

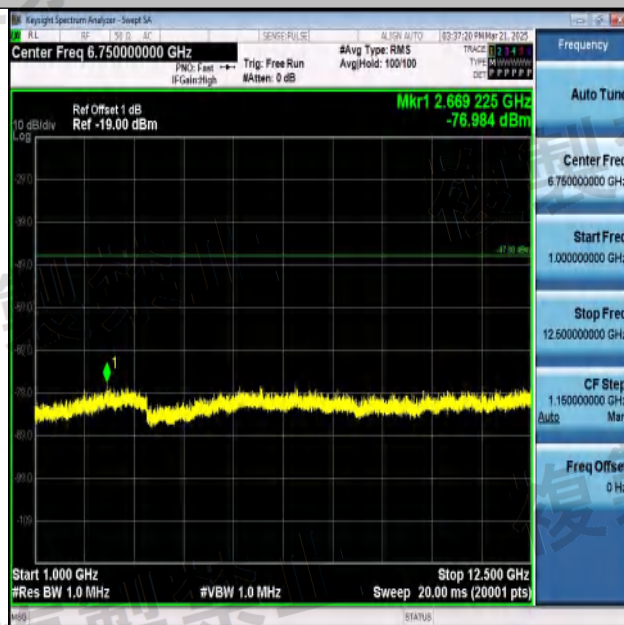


NTNV-11N20SISO-Ant1-2442-1000~12500-PASS



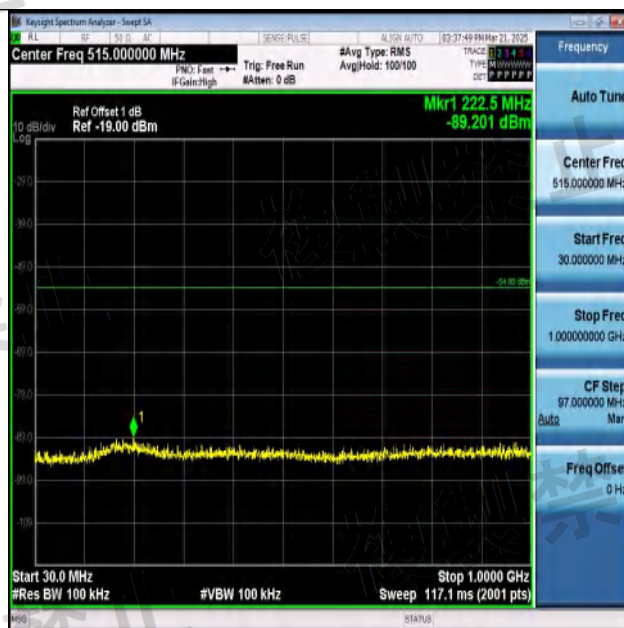


NTNV-11N20SISO-Ant1-2472-30~1000-PASS

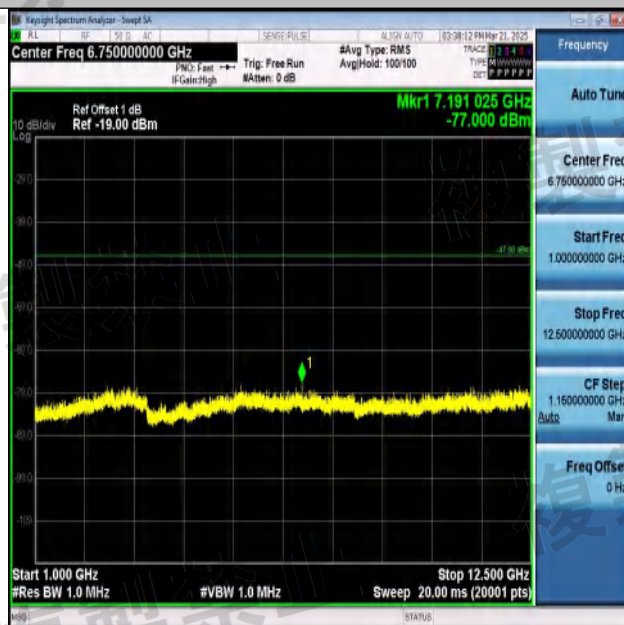


NTNV-11N20SISO-Ant1-2472-1000~12500-PASS



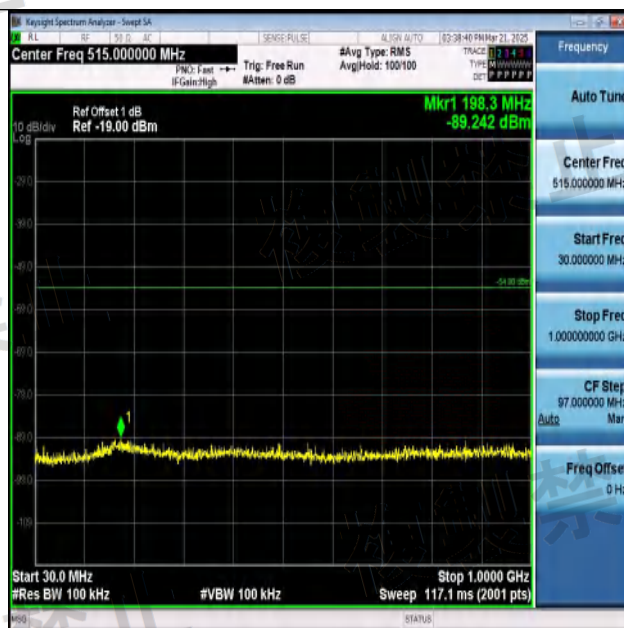


NTNV-11N40SISO-Ant1-2422-30~1000-PASS

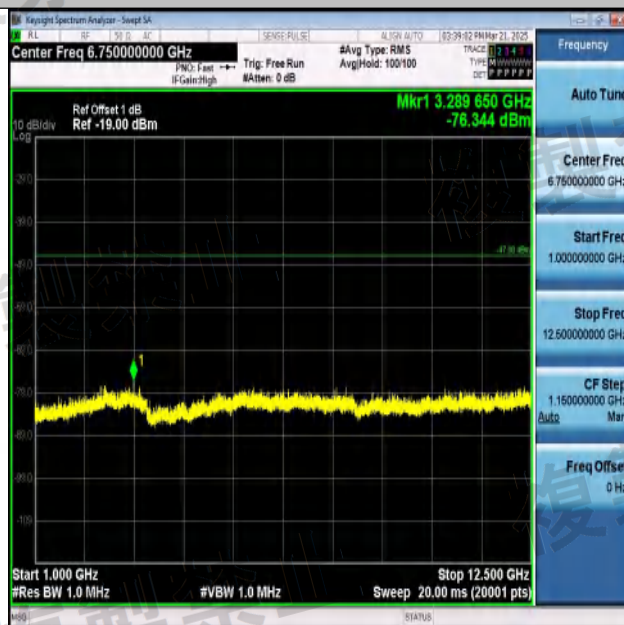


NTNV-11N40SISO-Ant1-2422-1000~12500-PASS



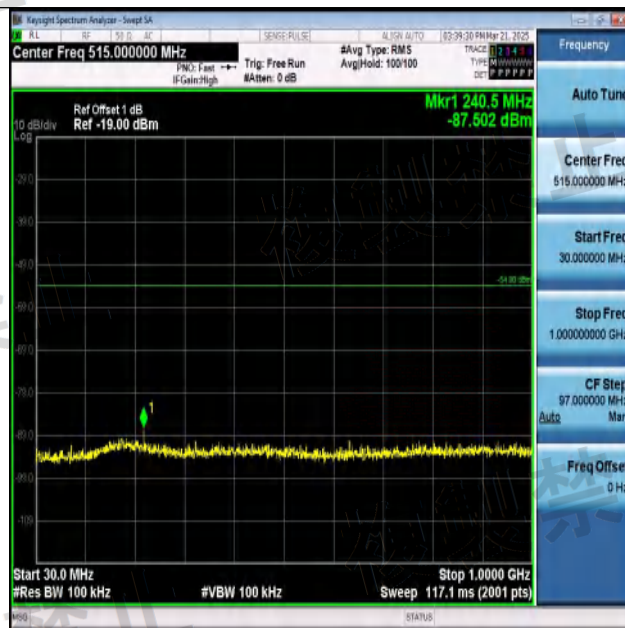


NTNV-11N40SISO-Ant1-2442-30~1000-PASS

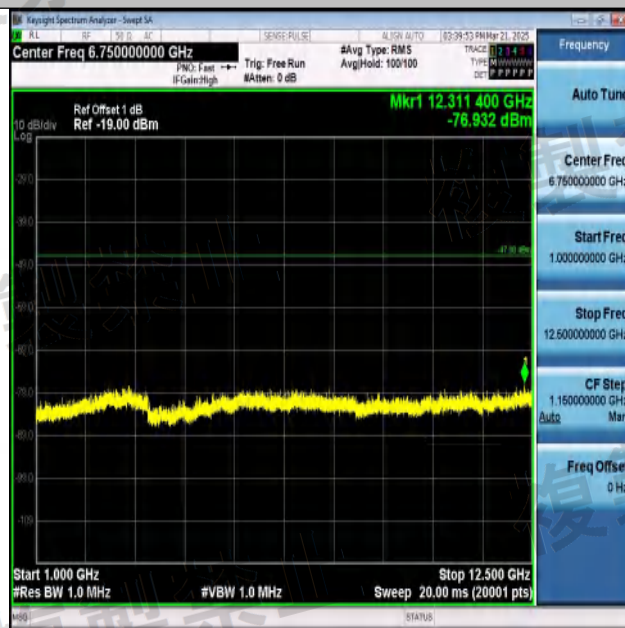


NTNV-11N40SISO-Ant1-2442-1000~12500-PASS





NTNV-11N40SISO-Ant1-2462-30~1000-PASS



NTNV-11N40SISO-Ant1-2462-1000~12500-PASS

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

