

TEST REPORT

Product Name: Wi-Fi IP Phone
Trade Mark: Yealink
Model No.: MP66W
Add. Model No.: N/A
Report Number: 26033123599RFC-6
Specified Categories: Item 79 of Article 2 Paragraph 1
Test method: 6GHz帯小電力データ通信システムの
特性試験方法
Test Result: PASS
Date of Issue: June 11, 2026

Prepared for:

YEALINK(XIAMEN) NETWORK TECHNOLOGY CO., LTD.
No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China

Prepared by:

Shenzhen UnionTrust Quality and Technology Co., Ltd.
16/F., Block A, Building 6, Baoneng Science and Technology Park,
Longhua Street, Longhua District, Shenzhen, Guangdong, China
TEL: +86-755-2823 0888
FAX: +86-755-2823 0886

Prepared by:

David Chen

David Chen
Senior Project Engineer

Reviewed by:

Henry Lu

Henry Lu
Team Leader

Approved by:

*Kevin Liang

Assistant Manager

Date:

June 11, 2026

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-Article 2-1-79&80-V1.0

Version

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V1.0	June 2, 2026	Original
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Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

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1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address of Applicant:	No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China
Manufacturer:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address of Manufacturer:	No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name:	Wi-Fi IP Phone		
Model No.:	MP66W		
Add. Model No.:	N/A		
Trade Mark:	Yealink		
DUT Stage:	Identical Prototype		
EUT Supports Function: (Provided by the customer)	2.4 GHz ISM Band:	IEEE 802.11b/g/n/ax	
		Bluetooth V5.4	
	5 GHz U-NII Bands:	5 150 MHz to 5 250 MHz	IEEE 802.11a/n/ac/ax
		5 250 MHz to 5 350 MHz	IEEE 802.11a/n/ac/ax
		5 470 MHz to 5 730 MHz	IEEE 802.11a/n/ac/ax
	6 GHz Band:	5 925 MHz to 6 425 MHz	IEEE 802.11ax
Software Version:	202.15.251.98 (Provided by the customer)		
Hardware Version:	MP66WMV (Provided by the customer)		
Sample Received Date:	March 30, 2026		
Sample Tested Date:	May 16, 2026 to June 11, 2026		
Remark: The above EUT's information was provided by customer. Please refer to the specifications or user's manual for more detailed description.			

1.2.2 Description of Accessories

Adapter	
Model No.:	NSA15EU-0503003
Input:	100-240V~50/60Hz, 0.5A
Output:	5.0V---3.0 A 15.0W

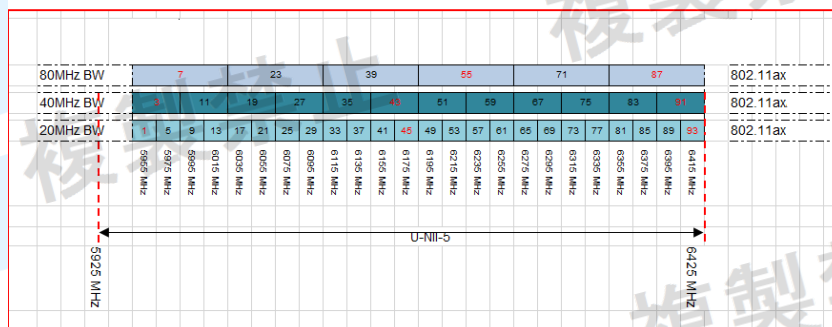
Other	
Charging Cradle	

1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Frequency Band:	5 925 MHz to 6 425 MHz (U-NII-5)
Frequency Range:	5 955 MHz to 6 415 MHz
Radio Technique:	IEEE 802.11ax
Equipment categories (Provided by the customer)	☒ Very low power (VLP)_YR
Type of Modulation:	IEEE 802.11ax: ☒ OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) ☐ OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	☒ IEEE 802.11ax-HE20: 20 MHz
	☒ IEEE 802.11ax-HE40: 40 MHz
	☒ IEEE 802.11ax-HE80: 80 MHz
	☐ IEEE 802.11ax-HE160: 160 MHz
Number of subcarriers:	IEEE 802.11ax: >1 / MHz
Data Rate:	IEEE 802.11ax: Up to MCS11
RF Output Power:	Please see NOTE 2
Antenna Type: (Provided by the customer)	Metal Patch Antenna
Antenna Gain: (Provided by the customer)	Antenna 1: 2.76 dBi Antenna 2: 1.02 dBi
Test Voltage:	Please see NOTE 3

NOTE:

1. Operation frequency each of channel



2. The RF output power as below table:

Mode	Max. Antenna Power (mW/MHz)		
	Ant.1	Ant.2	Total
IEEE 802.11ax-HE20	0.16	0.16	0.32
IEEE 802.11ax-HE40	0.0725	0.0725	0.145
IEEE 802.11ax-HE80	0.0325	0.0325	0.065

3. Test voltage as below table:

	Normal Voltage	Low Extreme Voltage	High Extreme Voltage
Operating Voltage (V)	5 V	4.5 V	5.5 V
Measuring Voltage (V)	3.303 V	3.304 V	3.303 V
Tolerance (%)	--	0.03 %	0.00 %

When EUT be operated at $\pm 10\%$ from the normal supply voltage, the supply voltage of RF part was varied within $\pm 1\%$. All test cases were done under the normal supply voltage.

1.4 OTHER INFORMATION

None.

1.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

Item 79 of Article 2 Paragraph 1,

6GHz 帯小電力データ通信システムの 特性試験方法

All test items have been performed and recorded as per the above standards

1.6 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below.

1) Support Equipment

Description	Manufacturer	Model No.	Serial Number	Supplied by
Laptop	DELL	Inspiron 5409	9BN63 A0D	UnionTrust
ROG Rapture Tri-band Gaming Router	ASUS	GT-AXE11000	M3IAJF201746	UnionTrust

2) Support Cable

Cable No.	Description	Connector	Length	Supplied by
1	Antenna Cable	SMA	0.3 Meter	UnionTrust

1.7 TEST LOCATION

All tests were performed at:

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 2823 0888

Fax: +86 (0) 755 2823 0886

1.8 TEST FACILITY

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

CNAS-Lab Code: L9069

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

A2LA-Lab Certificate No.: 4312.01

Shenzhen UnionTrust Quality and Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

ISED Wireless Device Testing Laboratories

CAB identifier: CN0032

FCC Accredited Lab.

Designation Number: CN1194

Test Firm Registration Number: 259480

1.9 DEVIATION FROM STANDARDS

None.

1.10 ABNORMALITIES FROM STANDARD CONDITIONS

None.

1.11 OTHER INFORMATION REQUESTED BY THE CUSTOMER

None.

1.12 MEASUREMENT UNCERTAINTY

No.	Item	Measurement Uncertainty
1	Radio frequency	$\pm 6.4 \times 10^{-8}$
2	Occupied Channel Bandwidth	$\pm 1.86\%$
3	RF output power, conducted	$\pm 0.68\text{dB}$
4	Power Spectral Density	$\pm 0.6\text{ dB}$
5	Spurious emissions, conducted	$\pm 2.7\text{ dB}$
6	Supply voltages	$\pm 0.68\%$
7	Time	$\pm 0.19\%$
8	Adjacent Channel Power	$\pm 1.3\text{ dB}$
Remark: 95% Confidence Levels, k=2.		

2. TEST SUMMARY

Item	Report Reference	Result
Communication Method	1.3	PASS
Modulation Method	1.3	PASS
Frequency Allocation	1.3	PASS
Frequency Tolerance	5.3	PASS
Antenna Power & Tolerance	5.6	PASS
EIRP	5.6	PASS
Occupied bandwidth	5.4	PASS
Unwanted Emission Strength	5.5	PASS
Adjacent Channel Emitted Power	5.8	PASS
Secondary Radiated Emission Strength	5.9	PASS
Transmission Data Rate	1.3	PASS
Transmission Burst Length	5.7	PASS
Housing Requirements	5.2, 5.12	PASS
Display Requirements	5.14	N/A ^{Note 1}
Number of Carrier	1.3	PASS
Interference Prevention Function	5.11	PASS
Carrier Sensing Function	5.10	PASS
Inter-terminal communication	5.13	N/A
Note: 1) N/A: In this whole report not applicable.		
Disclaimer and Explanations: The declared of product specification and data (e.g., antenna gain, RF specification, etc) for EUT presented in the report are provided by the customer, and the customer takes all the responsibilities for the accuracy of product specification.		

3. EQUIPMENT LIST

Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☒	EXA Spectrum Analyzer	KEYSIGHT	N9020A	MY51286807	24-Oct-2025	23-Oct-2026
☐	EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY51440197	20-Mar-2026	19-Mar-2027
☒	USB Wideband Power Sensor	KEYSIGHT	U2021XA	MY55430035	24-Oct-2025	23-Oct-2026
☒	MXG-B RF Vector Signal Generator	KEYSIGHT	N5182B	MY61350133	20-Mar-2026	19-Mar-2027
☒	Frequency extender for EXG or MXG	KEYSIGHT	N5182BX07	MY59362557	20-Mar-2026	19-Mar-2027
☐	DC Source	KIKUSUI	PWR400L	LK003024	13-Jun-2025	12-Jun-2026
☒	Digital multimeter	FLUKE	15B MAX-01/CN	65041218WS	04-Nov-2025	03-Nov-2026

Note 1: Calibration Method

- Calibration conducted by the National Institute of Information and Communications Technology [NICT](#) or a designated calibration agency under Article 102-18 paragraph
- Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
- Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the [NICT](#) or a designated calibration agency under Article 102-18 paragraph
- 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

The all calibration corresponds to c) described above.

Note 2: Calibration information

Calibration Agency: Guangzhou LiSai Metrology & Test Co., Ltd.

Address: No.8, South Street Shi Ji Institute Guangzhou, Guangdong, China

4. TEST CONFIGURATION

4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

4.1.1 Normal or Extreme Test Conditions

Environment Parameter	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage	Relative Humidity (%)
TN/VN	+15 to +35	5 VDC	45%-85%
Remark: 1) VN: Normal Voltage; TN: Normal Temperature;			

4.1.2 Record of Normal Environment and Test Sample

Test Item	Temp. (°C)	Relative Humidity (%)	Pressure (kPa)	Sample No.	Tested by
Frequency Tolerance	23.7	46.6	99.8	S202603318242-ZJA03/3	Erina Chen
Antenna Power & Tolerance					
Occupied bandwidth					
Unwanted Emission Strength					
Adjacent Channel Emitted Power					
Secondary Radiated Emission Strength					
Transmission Burst Length					
Carrier Sensing Function					

4.2 TEST CHANNELS

Mode	Tx/Rx Frequency	Test RF Channel Lists		
		Lowest	Middle	Highest
IEEE 802.11ax-HE20	5945 - 6425 MHz	Channel 1	Channel 45	Channel 93
		5955 MHz	6175 MHz	6415 MHz
IEEE 802.11ax-HE40		Channel 3	Channel 43	Channel 91
		5965 MHz	6165 MHz	6405 MHz
IEEE 802.11ax-HE80		Channel 7	Channel 55	Channel 87
		5985 MHz	6225 MHz	6385 MHz

4.3 EUT TEST STATUS

Mode	Tx/Rx Function	Description
IEEE 802.11ax	2Tx/2Rx	Keep the EUT in continuously transmitting or receiving with modulation and data rates test single. Keep the equipment in normal operation and achieve a certain throughput.

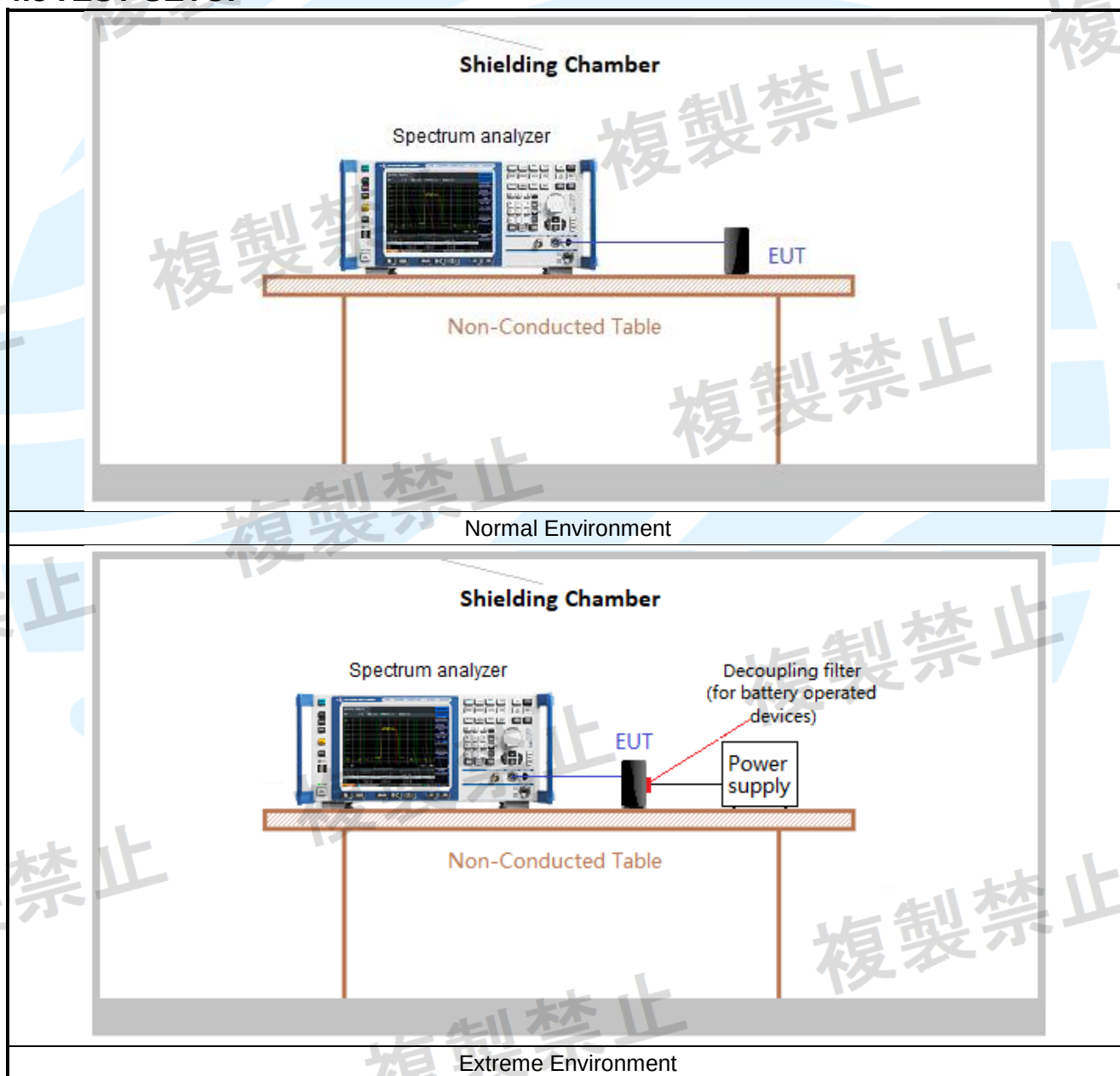
Power Setting (Provided by the customer)			
Mode	Lowest	Middle	Highest
IEEE 802.11ax-HE20	5	5	5
IEEE 802.11ax-HE40	5	5	5
IEEE 802.11ax-HE80	5	5	5

Test Software (Provided by the customer)

AuthenticTool [2.1.33.0 Apr 17 2026]

4.4 WORST-CASE DATA RATES

Mode	Worst-case data rates
IEEE 802.11ax-HE20	MCS0
IEEE 802.11ax-HE40	MCS0
IEEE 802.11ax-HE80	MCS0

4.5 TEST SETUP

5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

5.1 REFERENCE DOCUMENTS FOR TESTING

Item 79 of Article 2 Paragraph 1: 6GHz 帯小電力データ通信システム(VLP)

6GHz 帯小電力データ通信システムの 特性試験方法: 証明規則第 2 条第 1 項第 79 号及び第 80 号 5,925MHz を超え 6,425MHz 以下の周波数の電波を使用する 小電力データ通信システムの無線局に使用するための無線設備の特性試験方法

5.2 ANTENNA REQUIREMENT

Requirement
VLP Master: The antenna has an inseparable structure and does not have a function that can connect to outside the housing an external antenna other than the antenna.
EUT Antenna
The antenna is installed inside the EUT and no consideration of replacement. The best-case gain of the antenna is 2.76 dBi, for more antenna details, refer to the antenna report.
Result: An antenna connector is available, all relevant tests will be carried out conducted.


5.3 FREQUENCY TOLERANCE

5.3.1 Limit

Tolerance of frequency shall be ± 20 ppm.

5.3.2 Test Setup

Refer to section 4.5 for details.

5.3.3 Instruments Used

Refer to section 3 for details

5.3.4 Test Procedures

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

CW tone method

Use the following spectrum analyzer settings:

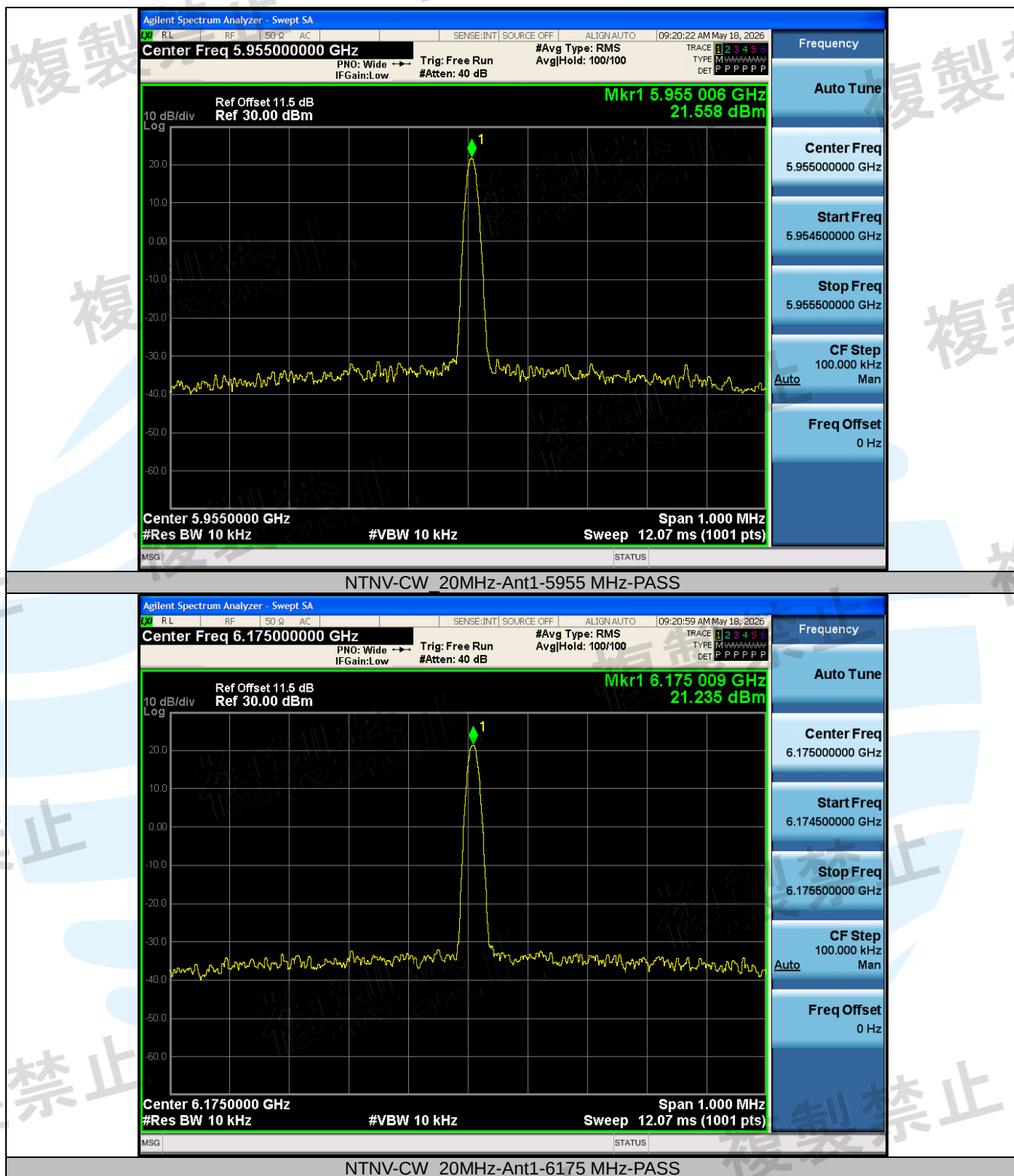
1. Center Frequency = test frequency
2. RBW = 10kHz, VBW = 10kHz;
3. Sweep = auto;
4. Detector function = peak
5. Trace = max hold
6. The frequency tolerance test case is directly measured using spectrum analyzer. Then the frequency error formula is $(f-f_c)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm.

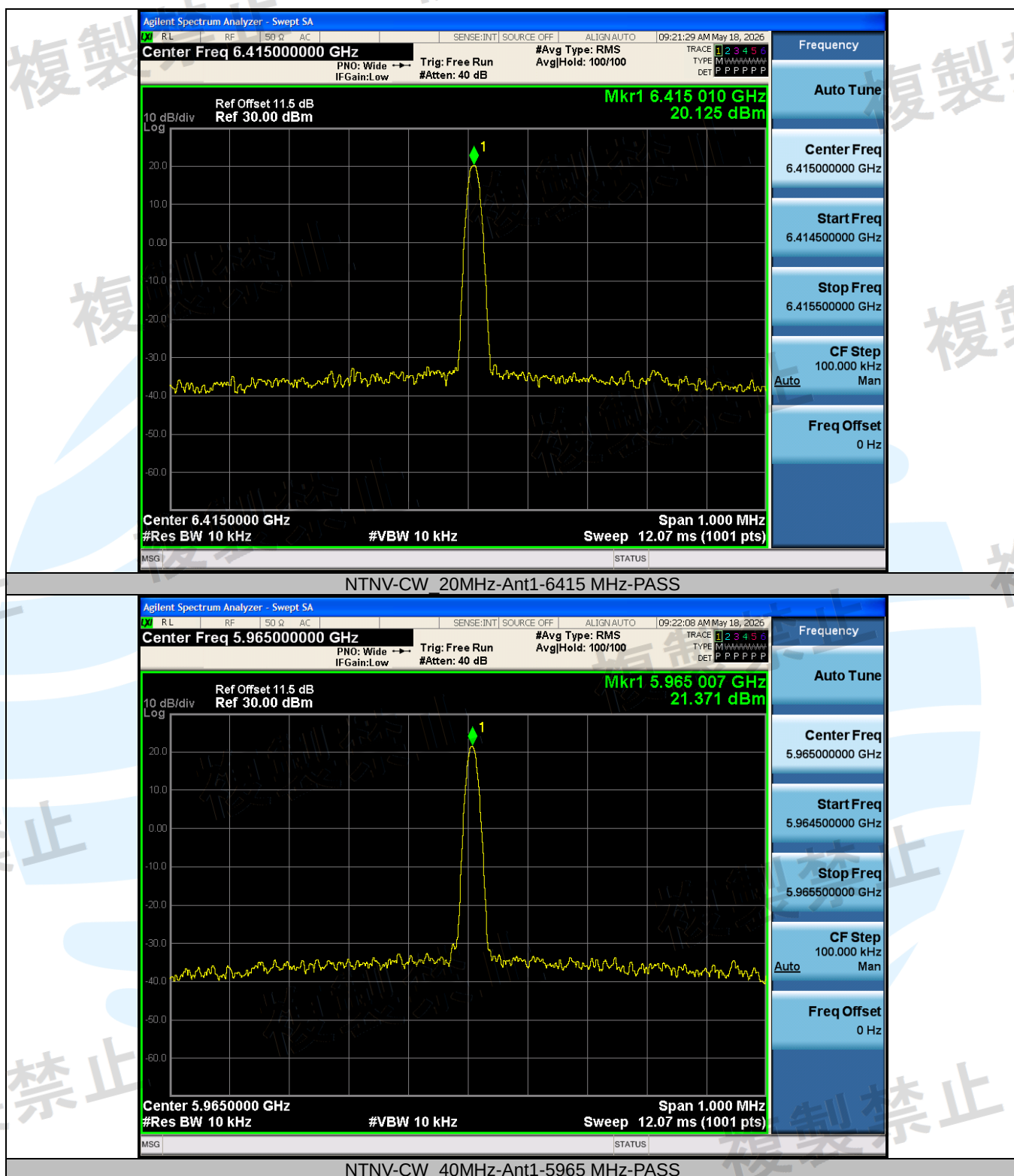
10dB down method

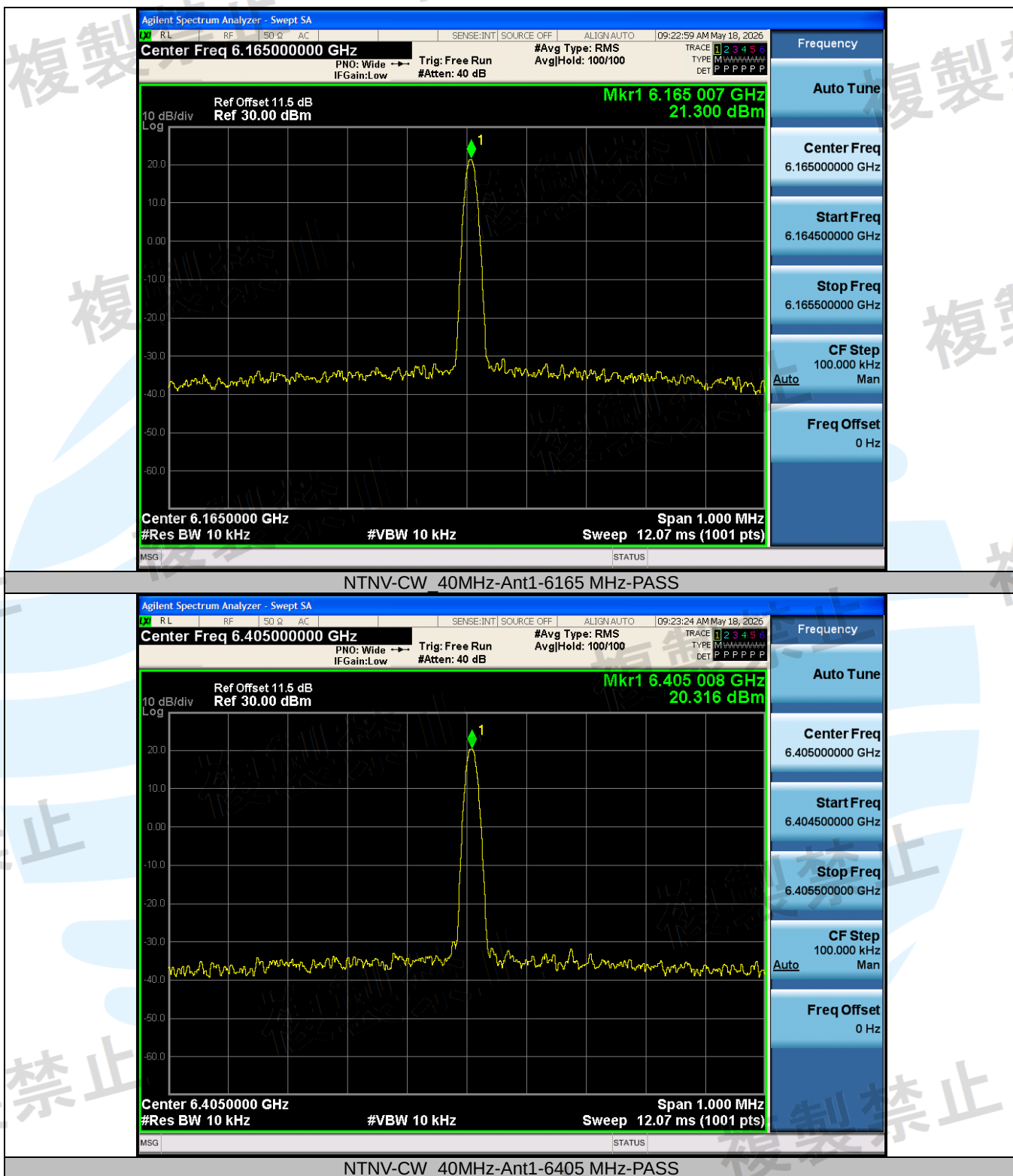
1. Center Frequency = test frequency
2. RBW = 100kHz, VBW = 100kHz;
3. Sweep = auto;
4. Detector function = peak
5. Trace = max hold
6. Display line level = Max. level – 10dB to place markers, highest (fH) and lowest (fL) frequency.
7. Determine measuring frequency $f = (fH - fL) / 2$.
8. The frequency tolerance test case is directly measured using spectrum analyzer. Then the frequency error formula is $(f-f_c)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm.

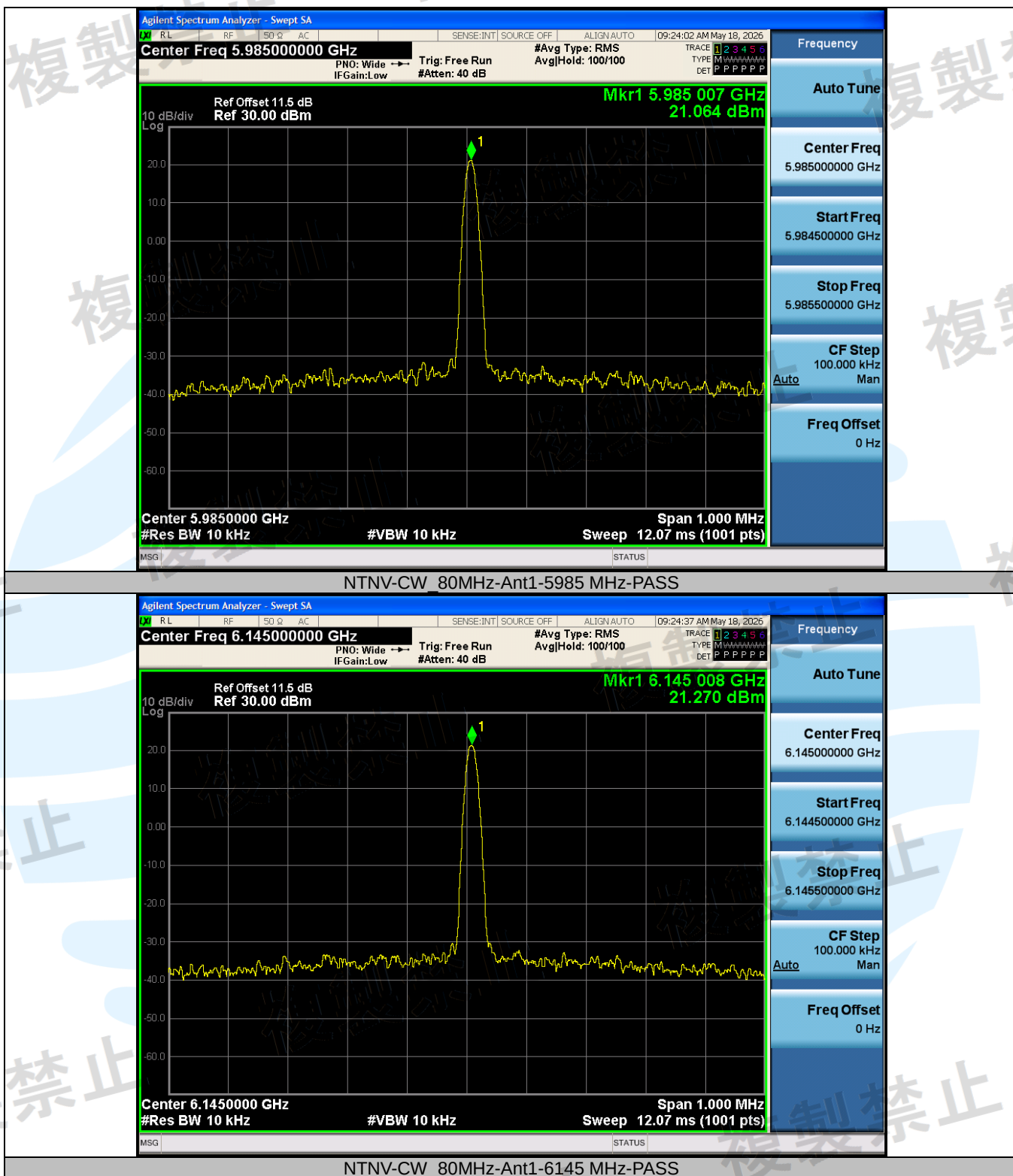
5.3.5 Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Center Freq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	CW 20MHz	Ant1	5955	5955.006	+1.00756	± 20	PASS
NTNV	CW 20MHz	Ant1	6175	6175.009	+1.45749	± 20	PASS
NTNV	CW 20MHz	Ant1	6415	6415.01	+1.55885	± 20	PASS
NTNV	CW 40MHz	Ant1	5965	5965.007	+1.17351	± 20	PASS
NTNV	CW 40MHz	Ant1	6165	6165.007	+1.13544	± 20	PASS
NTNV	CW 40MHz	Ant1	6405	6405.008	+1.24902	± 20	PASS
NTNV	CW 80MHz	Ant1	5985	5985.007	+1.16959	± 20	PASS
NTNV	CW 80MHz	Ant1	6145	6145.008	+1.30187	± 20	PASS
NTNV	CW 80MHz	Ant1	6385	6385.007	+1.09632	± 20	PASS







**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

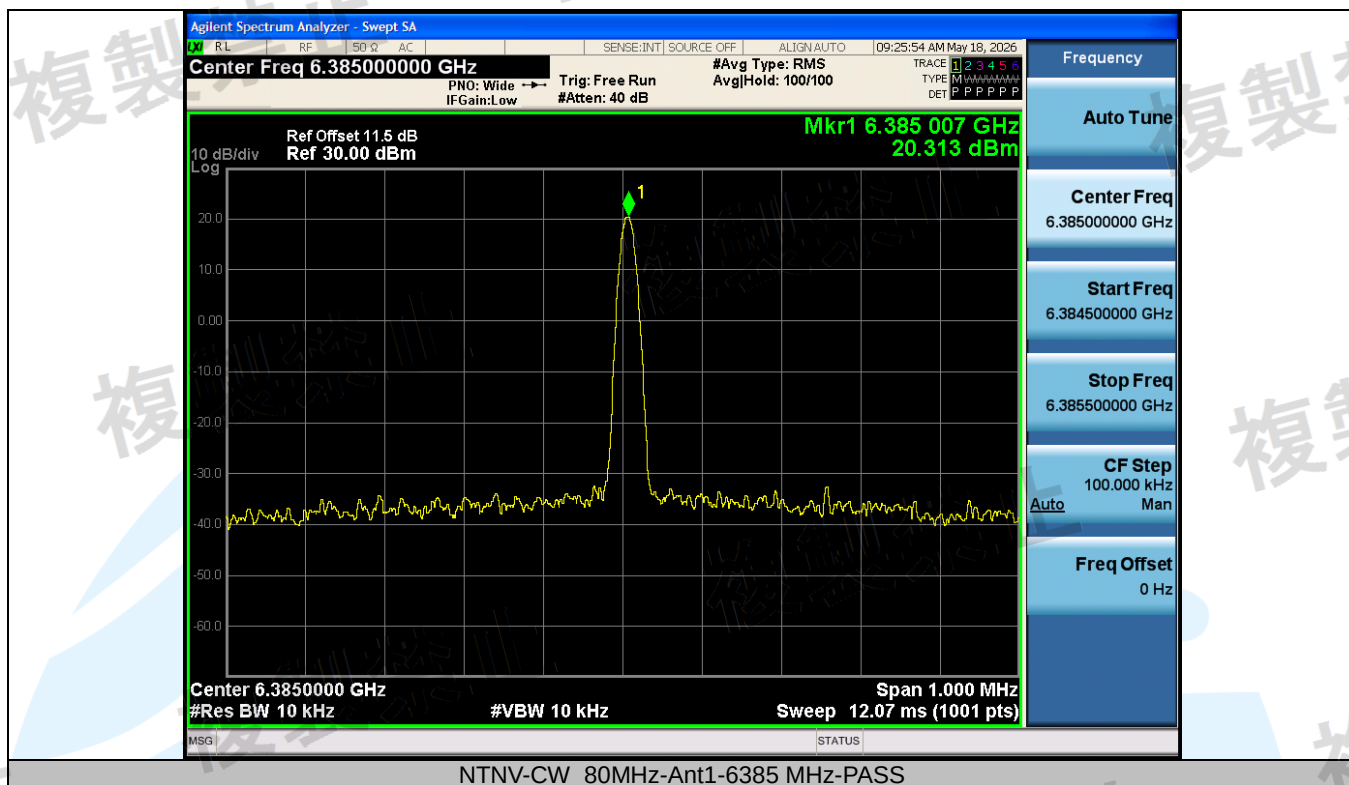
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

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5.4 OCCUPIED BANDWIDTH (99% BW)

5.4.1 Limit

Item	Limits
Occupied Bandwidth	For BW = 20MHz: $\leq 20\text{MHz}$
	For BW = 40MHz: $\leq 40\text{MHz}$
	For BW = 80MHz: $\leq 80\text{MHz}$
	For BW = 160MHz: $\leq 160\text{MHz}$
	For BW = 320MHz: $\leq 320\text{MHz}$

5.4.2 Test Setup

Refer to section 4.5 for details.

5.4.3 Instruments Used

Refer to section 3 for details

5.4.4 Test Procedures

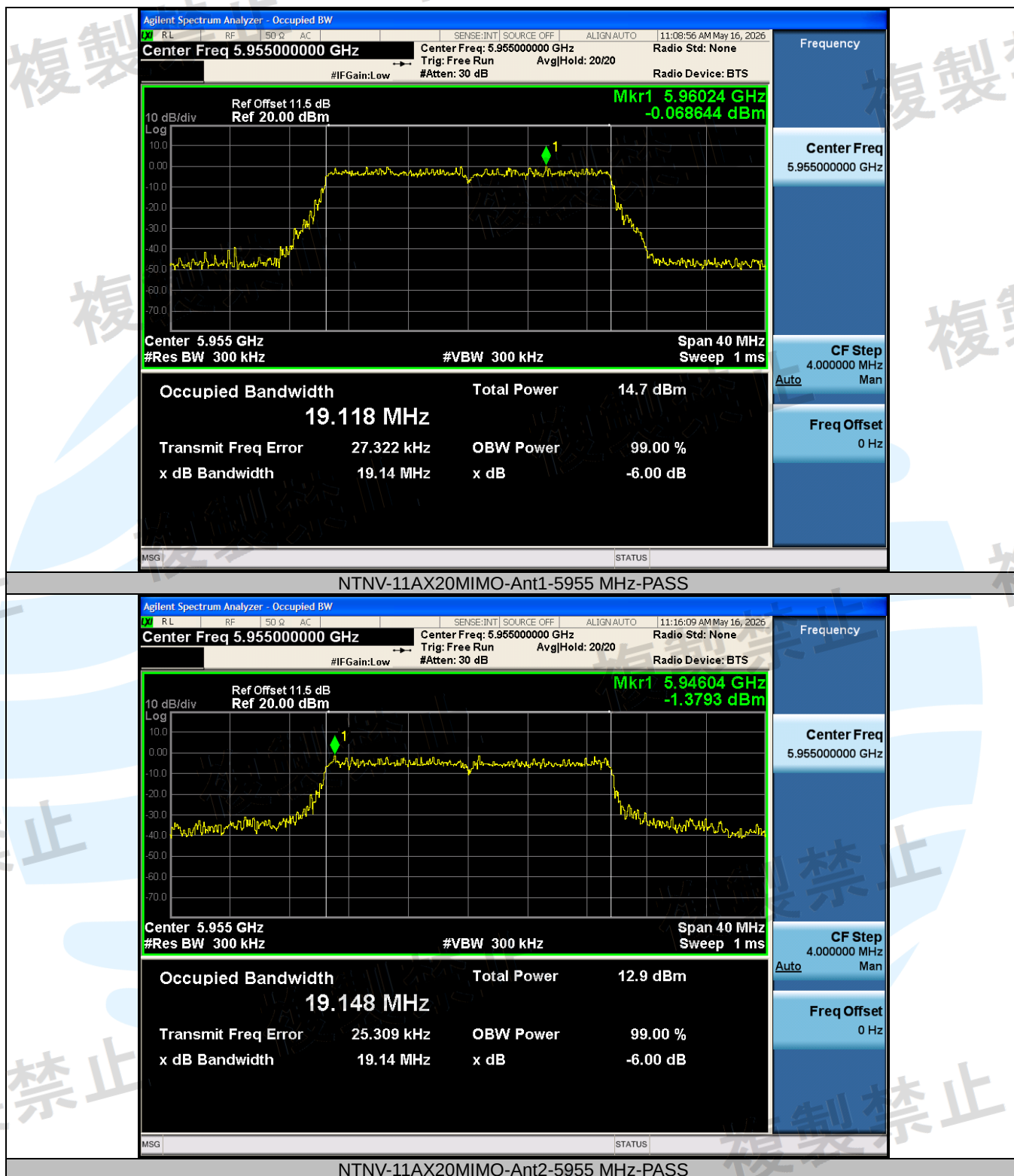
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

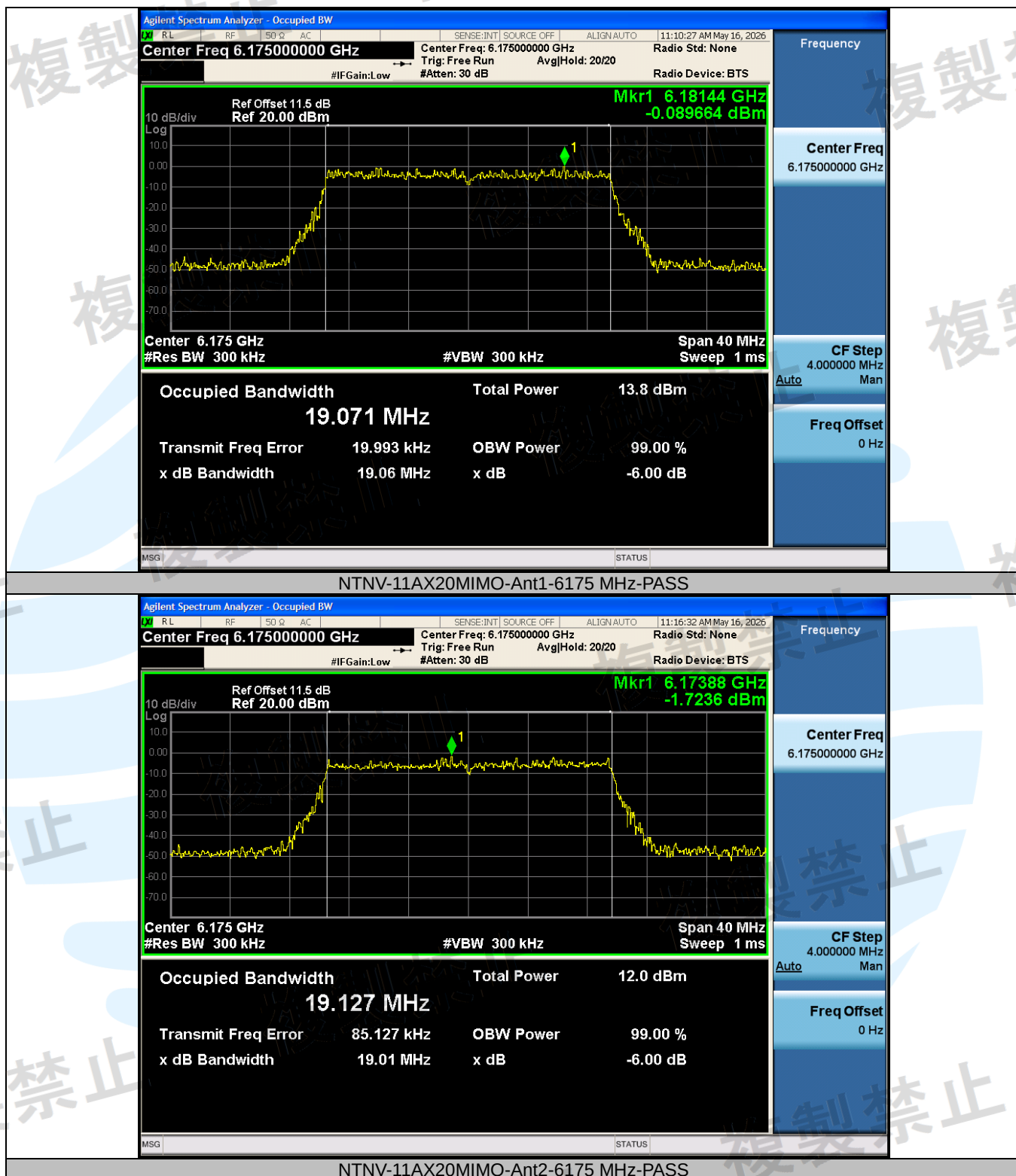
Use the following spectrum analyzer settings:

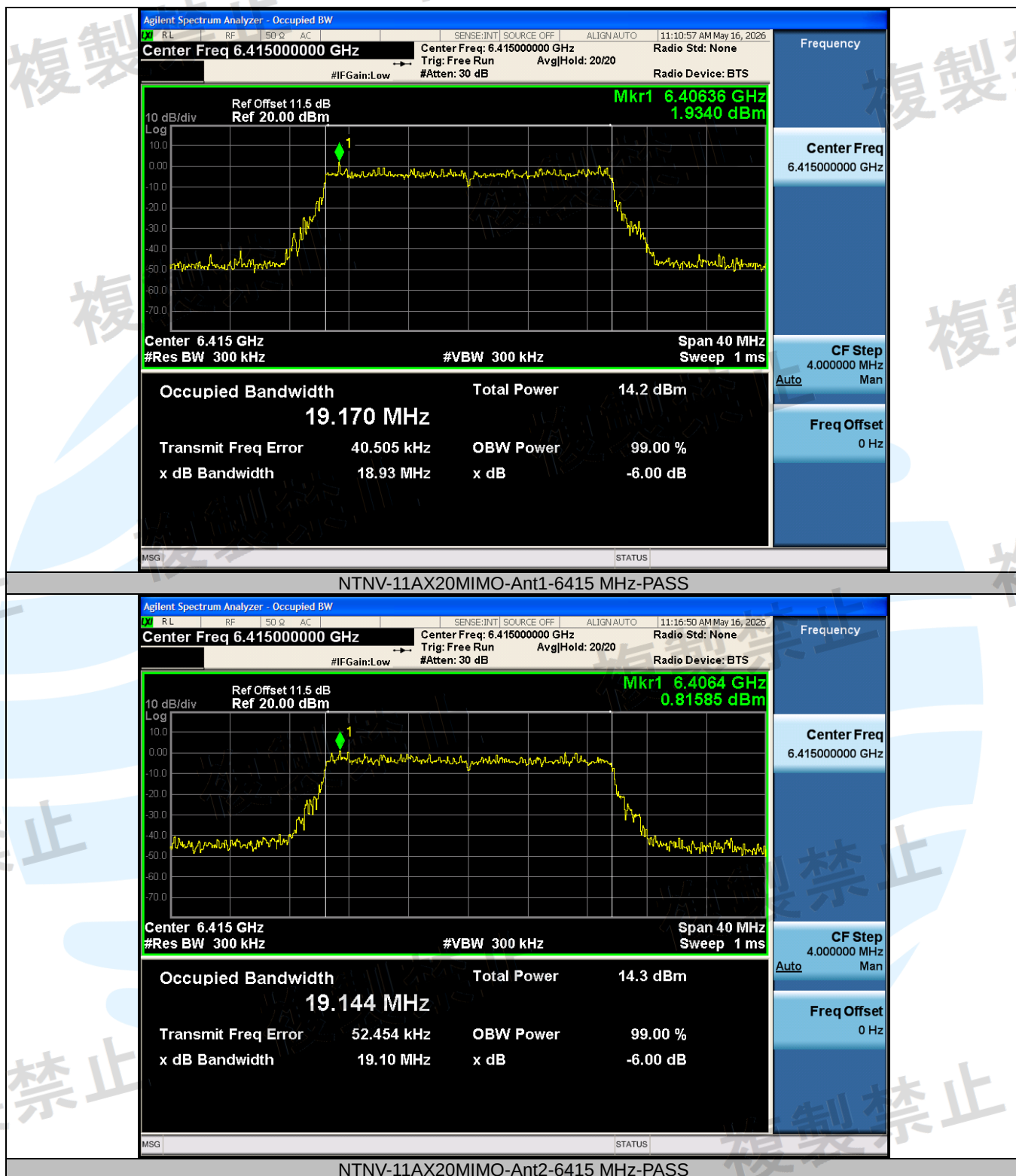
1. Center Frequency = test frequency
2. Span = 2 to 3.5 times BW
3. RBW = 300kHz, VBW = 300kHz;
4. Sweep = auto;
5. Trace = max hold
6. Use the 99 % bandwidth function of the spectrum analyser to measure the Occupied Channel Bandwidth of the UUT. This value shall be recorded.

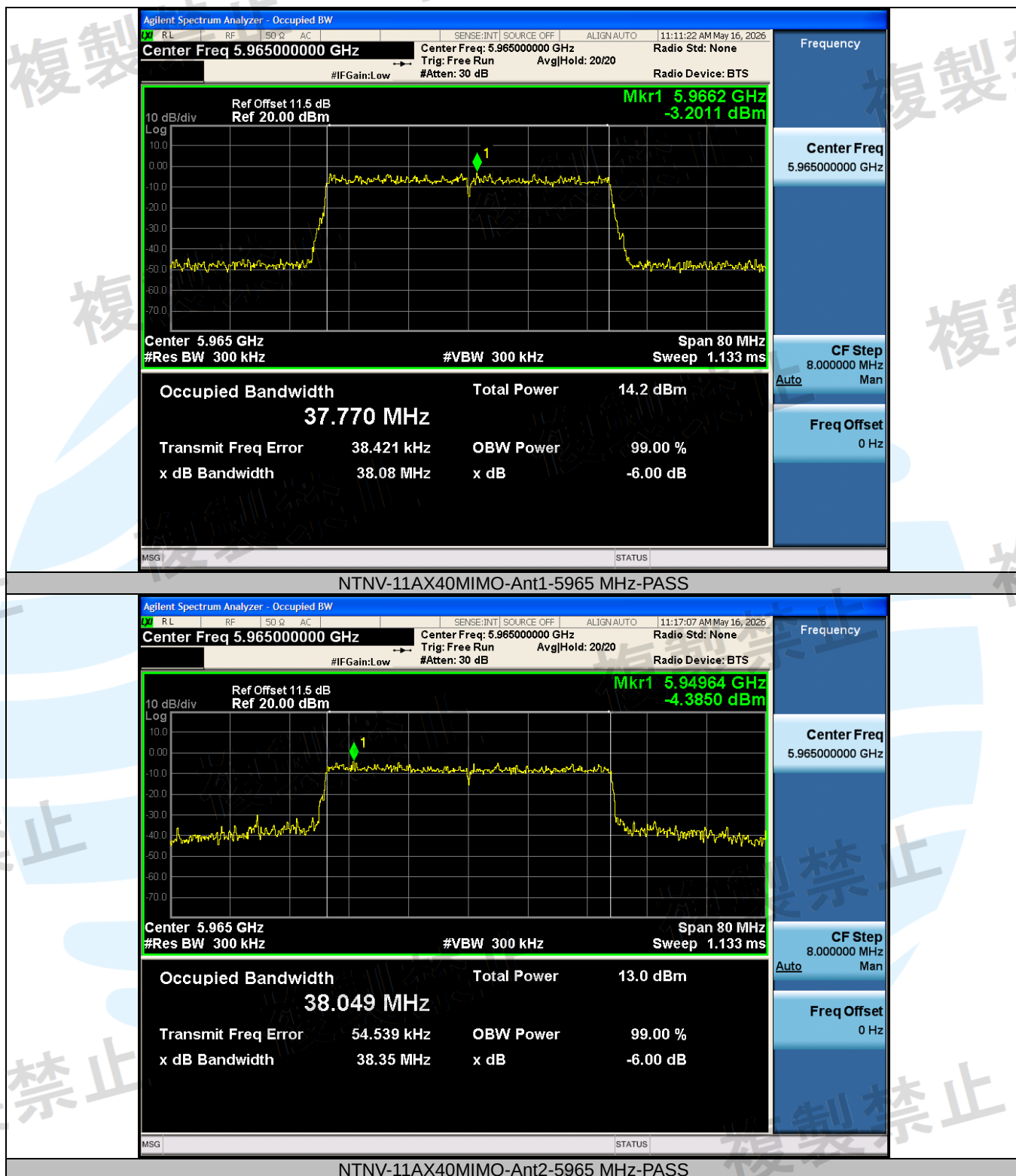
5.4.5 Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11AX20MIMO	Ant1	5955	19.118	≤ 20	PASS
NTNV	11AX20MIMO	Ant2	5955	19.148	≤ 20	PASS
NTNV	11AX20MIMO	Ant1	6175	19.071	≤ 20	PASS
NTNV	11AX20MIMO	Ant2	6175	19.127	≤ 20	PASS
NTNV	11AX20MIMO	Ant1	6415	19.170	≤ 20	PASS
NTNV	11AX20MIMO	Ant2	6415	19.144	≤ 20	PASS
NTNV	11AX40MIMO	Ant1	5965	37.770	≤ 40	PASS
NTNV	11AX40MIMO	Ant2	5965	38.049	≤ 40	PASS
NTNV	11AX40MIMO	Ant1	6165	37.872	≤ 40	PASS
NTNV	11AX40MIMO	Ant2	6165	38.008	≤ 40	PASS
NTNV	11AX40MIMO	Ant1	6405	37.834	≤ 40	PASS
NTNV	11AX40MIMO	Ant2	6405	37.853	≤ 40	PASS
NTNV	11AX80MIMO	Ant1	5985	77.409	≤ 80	PASS
NTNV	11AX80MIMO	Ant2	5985	77.302	≤ 80	PASS
NTNV	11AX80MIMO	Ant1	6145	77.340	≤ 80	PASS
NTNV	11AX80MIMO	Ant2	6145	77.443	≤ 80	PASS
NTNV	11AX80MIMO	Ant1	6385	77.326	≤ 80	PASS
NTNV	11AX80MIMO	Ant2	6385	77.560	≤ 80	PASS









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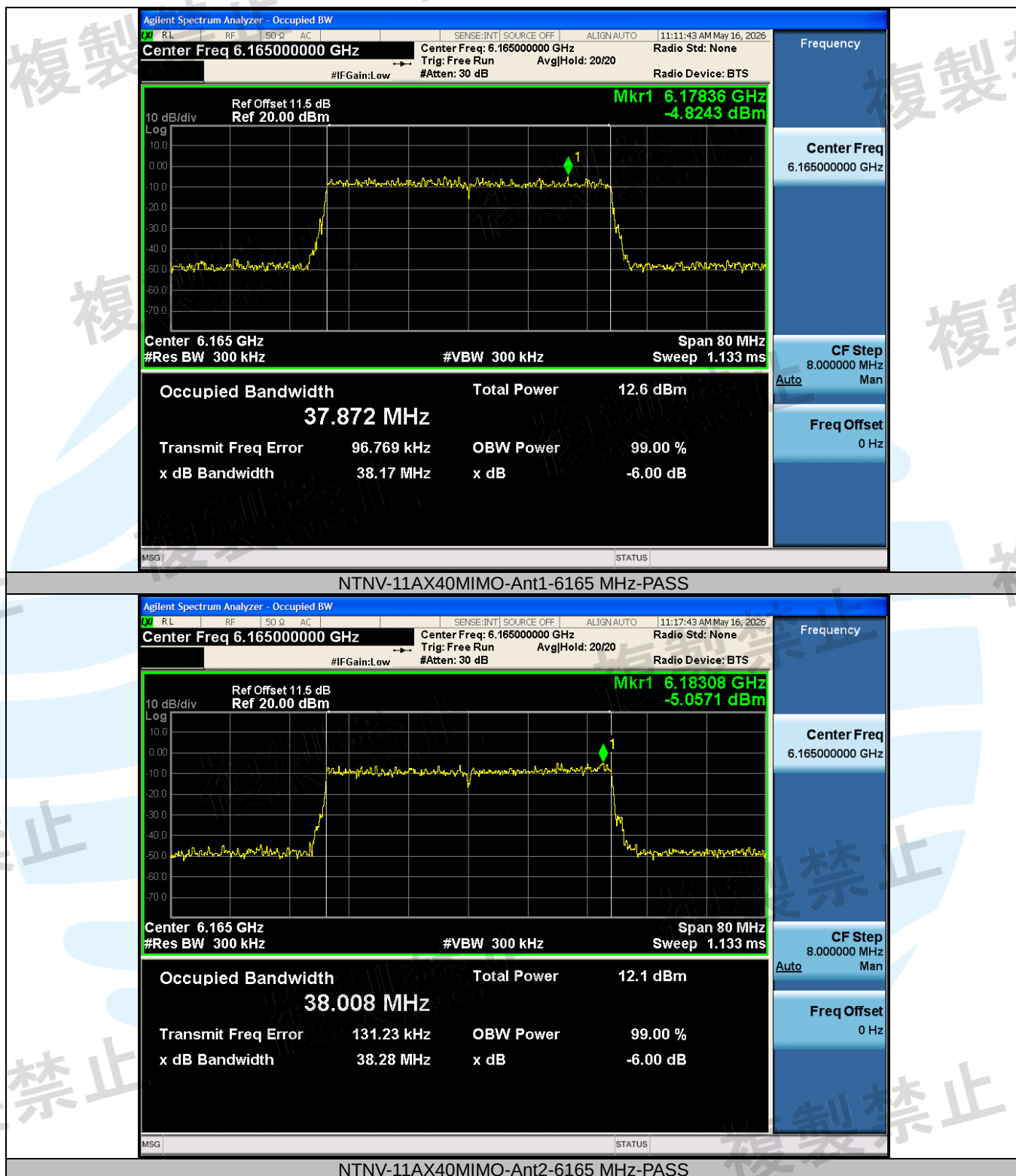
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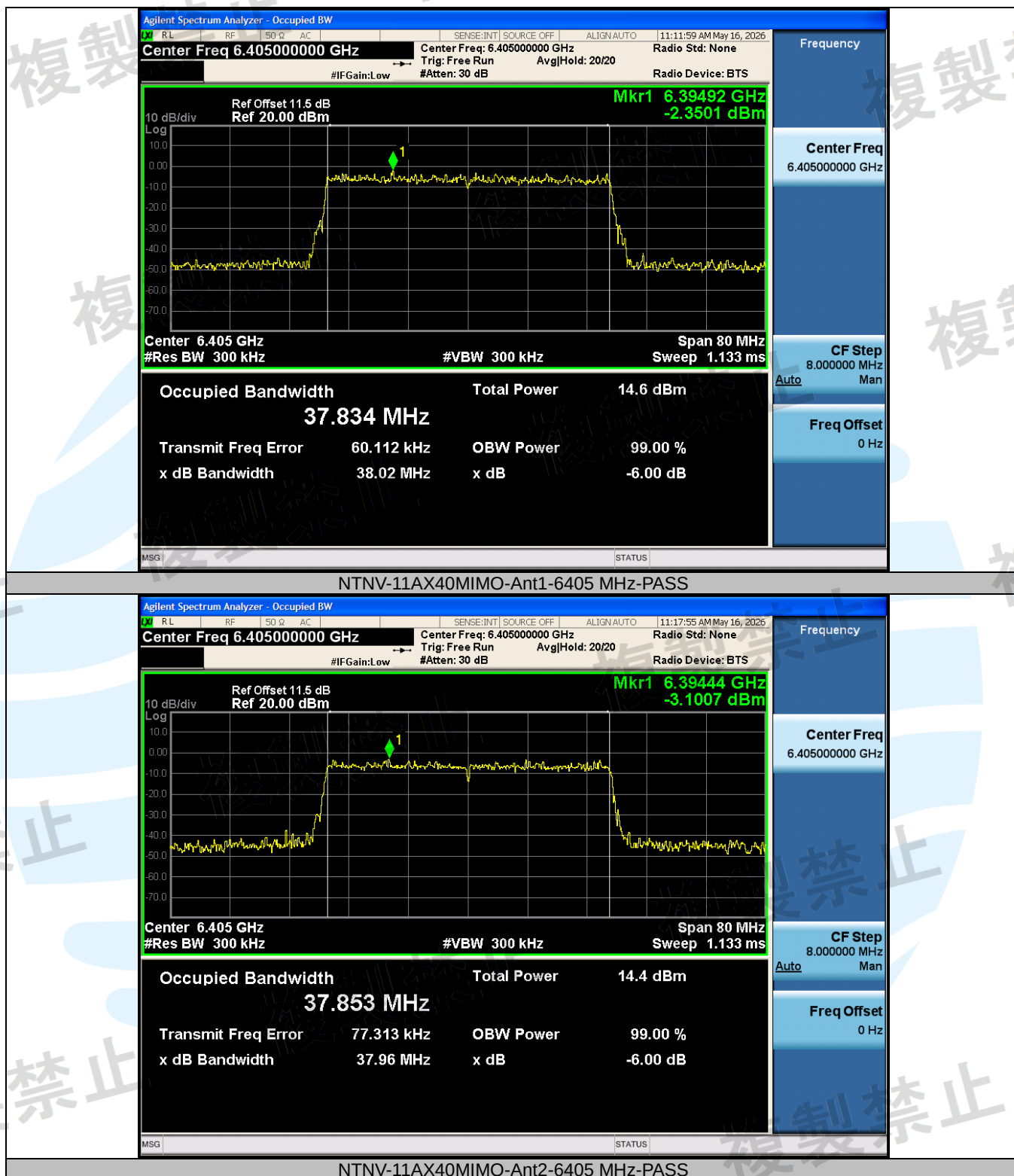
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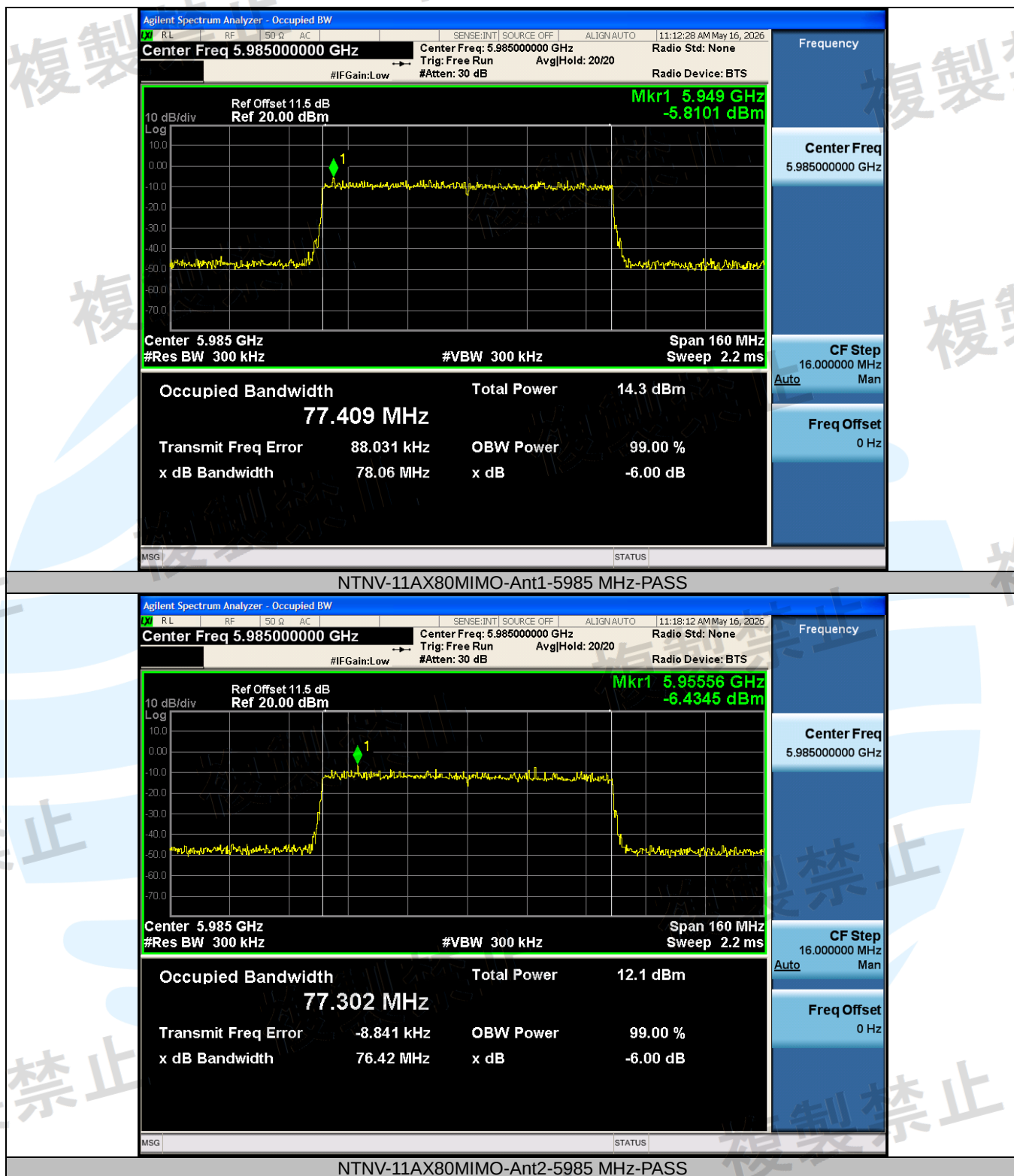
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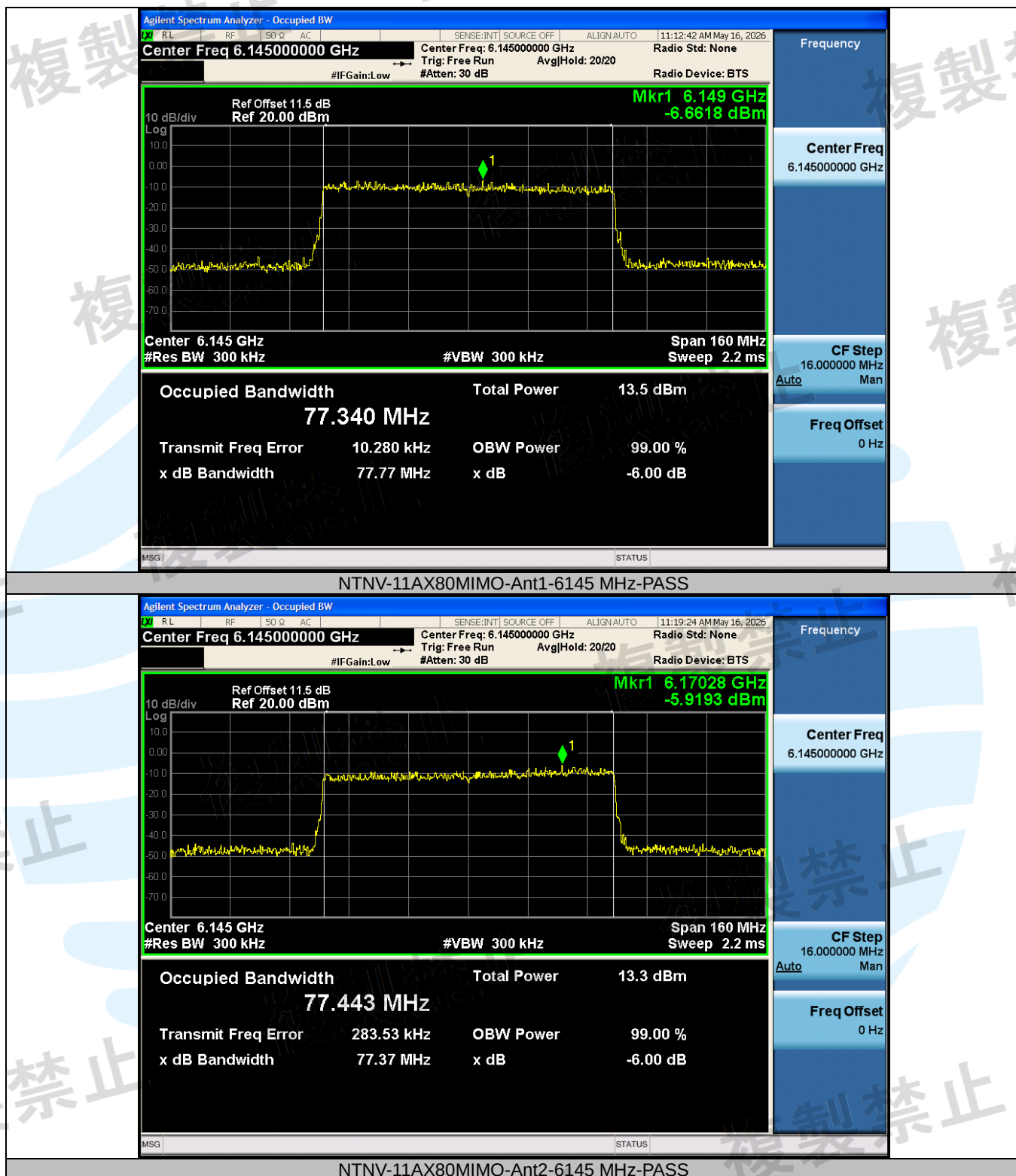
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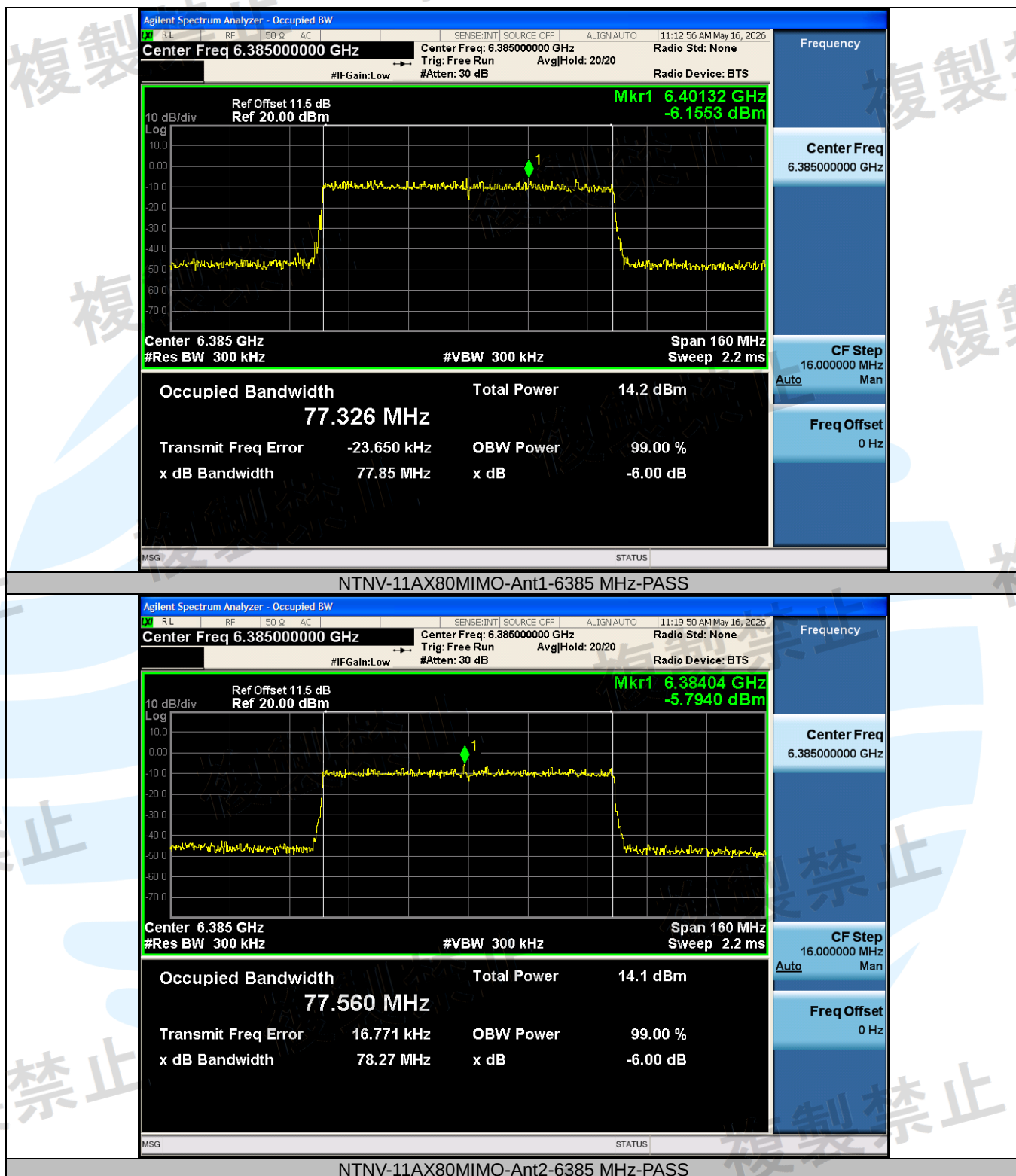
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5.5 UNWANTED EMISSION STRENGTH

5.5.1 Limit

VLP mode	Reference channel	Frequency range	Allowable value
20MHz system	5955MHz	5925 MHz or less	0.2 μ W/MHz
	6415MHz	6425 MHz or more less than 6425.5 MHz	50 μ W/MHz
		6425.5 MHz or more	12.5 μ W/MHz
40MHz system	5965MHz	5925 MHz or less	0.2 μ W/MHz
	6405MHz	6425 MHz or more less than 6425.4 MHz	50 μ W/MHz
		6425.4 MHz or more	12.5 μ W/MHz
80MHz system	5985MHz	5925 MHz or less	0.2 μ W/MHz
	6385MHz	6425 MHz or more less than 6425.2MHz	50 μ W/MHz
		6425.2 MHz or more	12.5 μ W/MHz
160MHz system	6025MHz	5925 MHz or less	0.2 μ W/MHz
	6345MHz	6425 MHz or more less than 6425.1 MHz	50 μ W/MHz
		6425.1 MHz or more	12.5 μ W/MHz
320MHz system	6105MHz	5925 MHz or less	0.2 μ W/MHz
	6265MHz	6425 MHz or more	12.5 μ W/MHz

5.5.2 Test Setup

Refer to section 4.5 for details.

5.5.3 Instruments Used

Refer to section 3 for details

5.5.4 Test Procedures

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Use the following spectrum analyzer settings:

- a) Below 1GHz
 1. Set RBW = VBW = 100 kHz.
 2. Detector = peak.
 3. Sweep = auto couple.
 4. Trace Mode = max hold.
 5. Allow trace to fully stabilize.
 6. Use the peak marker function to determine the maximum amplitude level.
- b) Above 1GHz
 1. Set RBW = VBW = 1 MHz.
 2. Detector = peak.
 3. Sweep = auto couple.
 4. Trace Mode = max hold.
 5. Allow trace to fully stabilize.
 6. Use the peak marker function to determine the maximum amplitude level.

5.5.5 Test Result

Test Condition	Test Mode	Ant.	Channel	Freq. Range [MHz]	Freq. [MHz]	Raw Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11AX20MIMO	Ant1	5955	30~5925	5923.04	-44.58	≤-36.99	0.03483	≤0.2	See table below
NTNV	11AX20MIMO	Ant2	5955	30~5925	3122.71	-46.4	≤-36.99	0.02291	≤0.2	See table below
NTNV	11AX20MIMO	total	5955	30~5925	---	---	---	0.05774	≤0.2	See table below
NTNV	11AX20MIMO	Ant1	6415	6425~6425.5	6425.07	-6.43	≤-13.01	227.50974	≤50	See table below
NTNV	11AX20MIMO	Ant2	6415	6425~6425.5	6425.02	-7.94	≤-13.01	160.69413	≤50	See table below
NTNV	11AX20MIMO	total	6415	6425~6425.5	---	---	---	388.20387	≤50	See table below
NTNV	11AX20MIMO	Ant1	6415	6425.5~26000	6425.5	-0.31	≤-19.03	931.10788	≤12.5	See table below
NTNV	11AX20MIMO	Ant2	6415	6425.5~26000	6425.5	0.44	≤-19.03	1106.6238	≤12.5	See table below
NTNV	11AX20MIMO	total	6415	6425.5~26000	---	---	---	2037.7317	≤12.5	See table below
NTNV	11AX40MIMO	Ant1	5965	30~5925	5902.4	-45.82	≤-36.99	0.02618	≤0.2	See table below
NTNV	11AX40MIMO	Ant2	5965	30~5925	3159.66	-46.21	≤-36.99	0.02393	≤0.2	See table below
NTNV	11AX40MIMO	total	5965	30~5925	---	---	---	0.05011	≤0.2	See table below
NTNV	11AX40MIMO	Ant1	6405	6425~6425.4	6425.06	-15.27	≤-13.01	29.71666	≤50	See table below
NTNV	11AX40MIMO	Ant2	6405	6425~6425.4	6425.36	-15.66	≤-13.01	27.16439	≤50	See table below
NTNV	11AX40MIMO	total	6405	6425~6425.4	---	---	---	56.88105	≤50	See table below
NTNV	11AX40MIMO	Ant1	6405	6425.4~26000	6425.4	-2.72	≤-19.03	534.56436	≤12.5	See table below
NTNV	11AX40MIMO	Ant2	6405	6425.4~26000	6425.4	-3.32	≤-19.03	465.58609	≤12.5	See table below
NTNV	11AX40MIMO	total	6405	6425.4~26000	---	---	---	1000.1505	≤12.5	See table below
NTNV	11AX80MIMO	Ant1	5985	30~5925	5922.64	-47	≤-36.99	0.01995	≤0.2	See table below
NTNV	11AX80MIMO	Ant2	5985	30~5925	5866.25	-45.41	≤-36.99	0.02877	≤0.2	See table below
NTNV	11AX80MIMO	total	5985	30~5925	---	---	---	0.04872	≤0.2	See table below
NTNV	11AX80MIMO	Ant1	6385	6425~6425.2	6425.02	-18.59	≤-13.01	13.83566	≤50	See table below
NTNV	11AX80MIMO	Ant2	6385	6425~6425.2	6425.04	-19.54	≤-13.01	11.11732	≤50	See table below
NTNV	11AX80MIMO	total	6385	6425~6425.2	---	---	---	24.95298	≤50	See table below
NTNV	11AX80MIMO	Ant1	6385	6425.2~26000	6425.2	-8.35	≤-19.03	146.21772	≤12.5	See table below
NTNV	11AX80MIMO	Ant2	6385	6425.2~26000	6425.2	-7.7	≤-19.03	169.82437	≤12.5	See table below
NTNV	11AX80MIMO	total	6385	6425.2~26000	---	---	---	316.04209	≤12.5	See table below

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Step2

Test Condition	Test Mode	Pre Scan In Ant	Channel	Ant	Freq. [MHz]	Raw Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11AX20MIMO	Ant1	5955	Ant1	5923.82	-58.94	≤-36.99	0.00128	≤0.2	PASS
NTNV	11AX20MIMO	Ant2	5955	Ant1	3112.75	-78.53	≤-36.99	0.00001	≤0.2	PASS
NTNV	11AX20MIMO	Ant1	5955	Ant2	5923.82	-59.03	≤-36.99	0.00125	≤0.2	PASS
NTNV	11AX20MIMO	Ant2	5955	Ant2	3112.75	-78.54	≤-36.99	0.00001	≤0.2	PASS
NTNV	11AX20MIMO	Ant1	5955	total	5923.82	---	---	0.00253	≤0.2	PASS
NTNV	11AX20MIMO	Ant2	5955	total	3112.75	---	---	0.00002	≤0.2	PASS
NTNV	11AX20MIMO	Ant1	6415	Ant1	6425.05	-16.52	≤-13.01	22.28435	≤50	PASS
NTNV	11AX20MIMO	Ant2	6415	Ant1	6425.04	-16.75	≤-13.01	21.13489	≤50	PASS
NTNV	11AX20MIMO	Ant1	6415	Ant2	6425.05	-16.58	≤-13.01	21.97860	≤50	PASS
NTNV	11AX20MIMO	Ant2	6415	Ant2	6425.04	-16.67	≤-13.01	21.52782	≤50	PASS
NTNV	11AX20MIMO	Ant1	6415	total	6425.05	---	---	44.26295	≤50	PASS
NTNV	11AX20MIMO	Ant2	6415	total	6425.04	---	---	42.66271	≤50	PASS
NTNV	11AX20MIMO	Ant1	6415	Ant1	6425.55	-27.02	≤-19.03	1.98609	≤12.5	PASS
NTNV	11AX20MIMO	Ant2	6415	Ant1	6425.70	-31.21	≤-19.03	0.75683	≤12.5	PASS
NTNV	11AX20MIMO	Ant1	6415	Ant2	6425.55	-27.00	≤-19.03	1.99526	≤12.5	PASS
NTNV	11AX20MIMO	Ant2	6415	Ant2	6425.70	-30.91	≤-19.03	0.81096	≤12.5	PASS
NTNV	11AX20MIMO	Ant1	6415	total	6425.55	---	---	3.98135	≤12.5	PASS
NTNV	11AX20MIMO	Ant2	6415	total	6425.70	---	---	1.56779	≤12.5	PASS
NTNV	11AX40MIMO	Ant1	5965	Ant1	5916.06	-63.48	≤-36.99	0.00045	≤0.2	PASS
NTNV	11AX40MIMO	Ant2	5965	Ant1	3146.79	-78.81	≤-36.99	0.00001	≤0.2	PASS
NTNV	11AX40MIMO	Ant1	5965	Ant2	5916.06	-63.54	≤-36.99	0.00044	≤0.2	PASS
NTNV	11AX40MIMO	Ant2	5965	Ant2	3146.79	-78.80	≤-36.99	0.00001	≤0.2	PASS
NTNV	11AX40MIMO	Ant1	5965	total	5916.06	---	---	0.00089	≤0.2	PASS
NTNV	11AX40MIMO	Ant2	5965	total	3146.79	---	---	0.00002	≤0.2	PASS
NTNV	11AX40MIMO	Ant1	6405	Ant1	6425.00	-29.48	≤-13.01	1.12720	≤50	PASS
NTNV	11AX40MIMO	Ant2	6405	Ant1	6425.19	-33.93	≤-13.01	0.40458	≤50	PASS
NTNV	11AX40MIMO	Ant1	6405	Ant2	6425.00	-29.40	≤-13.01	1.14815	≤50	PASS
NTNV	11AX40MIMO	Ant2	6405	Ant2	6425.19	-34.02	≤-13.01	0.39628	≤50	PASS
NTNV	11AX40MIMO	Ant1	6405	total	6425.00	---	---	2.27535	≤50	PASS
NTNV	11AX40MIMO	Ant2	6405	total	6425.19	---	---	0.80086	≤50	PASS
NTNV	11AX40MIMO	Ant1	6405	Ant1	6425.50	-41.90	≤-19.03	0.06457	≤12.5	PASS
NTNV	11AX40MIMO	Ant2	6405	Ant1	6425.50	-41.43	≤-19.03	0.07194	≤12.5	PASS
NTNV	11AX40MIMO	Ant1	6405	Ant2	6425.50	-41.63	≤-19.03	0.06871	≤12.5	PASS
NTNV	11AX40MIMO	Ant2	6405	Ant2	6425.50	-41.45	≤-19.03	0.07161	≤12.5	PASS

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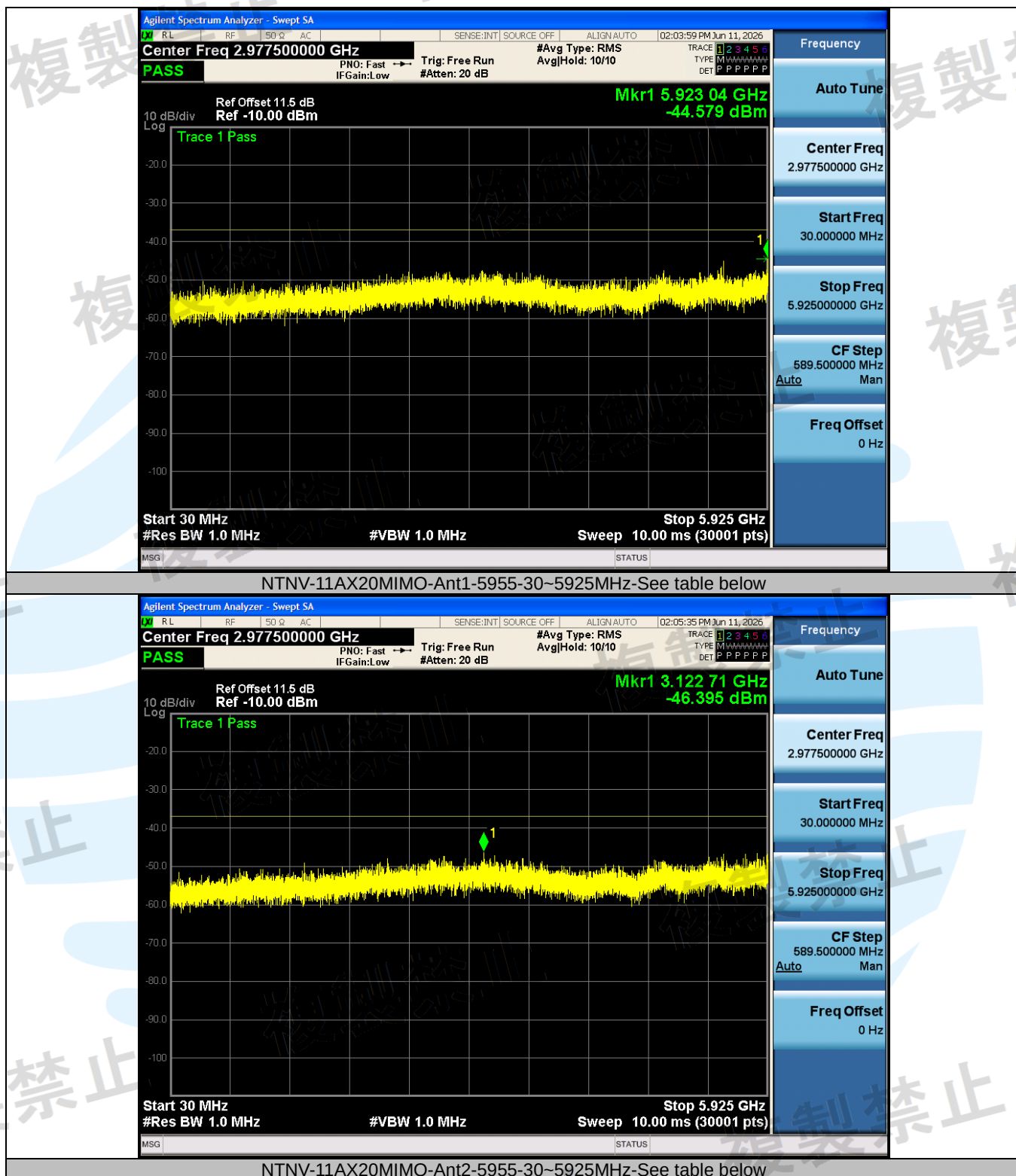
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NTNV	11AX40MIMO	Ant1	6405	total	6425.50	---	---	0.13328	≤12.5	PASS
NTNV	11AX40MIMO	Ant2	6405	total	6425.50	---	---	0.14355	≤12.5	PASS
NTNV	11AX80MIMO	Ant1	5985	Ant1	5923.18	-63.05	≤-36.99	0.00050	≤0.2	PASS
NTNV	11AX80MIMO	Ant2	5985	Ant1	5908.63	-65.02	≤-36.99	0.00031	≤0.2	PASS
NTNV	11AX80MIMO	Ant1	5985	Ant2	5923.18	-63.01	≤-36.99	0.00050	≤0.2	PASS
NTNV	11AX80MIMO	Ant2	5985	Ant2	5908.63	-64.96	≤-36.99	0.00032	≤0.2	PASS
NTNV	11AX80MIMO	Ant1	5985	total	5923.18	---	---	0.00100	≤0.2	PASS
NTNV	11AX80MIMO	Ant2	5985	total	5908.63	---	---	0.00063	≤0.2	PASS
NTNV	11AX80MIMO	Ant1	6385	Ant1	6425.02	-34.43	≤-13.01	0.36058	≤50	PASS
NTNV	11AX80MIMO	Ant2	6385	Ant1	6425.02	-34.27	≤-13.01	0.37411	≤50	PASS
NTNV	11AX80MIMO	Ant1	6385	Ant2	6425.02	-34.40	≤-13.01	0.36308	≤50	PASS
NTNV	11AX80MIMO	Ant2	6385	Ant2	6425.02	-34.15	≤-13.01	0.38459	≤50	PASS
NTNV	11AX80MIMO	Ant1	6385	total	6425.02	---	---	0.72366	≤50	PASS
NTNV	11AX80MIMO	Ant2	6385	total	6425.02	---	---	0.75870	≤50	PASS
NTNV	11AX80MIMO	Ant1	6385	Ant1	6425.40	-42.96	≤-19.03	0.05058	≤12.5	PASS
NTNV	11AX80MIMO	Ant2	6385	Ant1	6425.35	-41.75	≤-19.03	0.06683	≤12.5	PASS
NTNV	11AX80MIMO	Ant1	6385	Ant2	6425.40	-42.69	≤-19.03	0.05383	≤12.5	PASS
NTNV	11AX80MIMO	Ant2	6385	Ant2	6425.35	-41.87	≤-19.03	0.06501	≤12.5	PASS
NTNV	11AX80MIMO	Ant1	6385	total	6425.40	---	---	0.10441	≤12.5	PASS
NTNV	11AX80MIMO	Ant2	6385	total	6425.35	---	---	0.13184	≤12.5	PASS

Note: Since the waveforms that exceeded the limit in the step 1 had the same modulation, only the maximum value from the step 1 was verified when verifying the results in the step 2, as the maximum value was sufficient to prove that the frequency range met the limit requirements.



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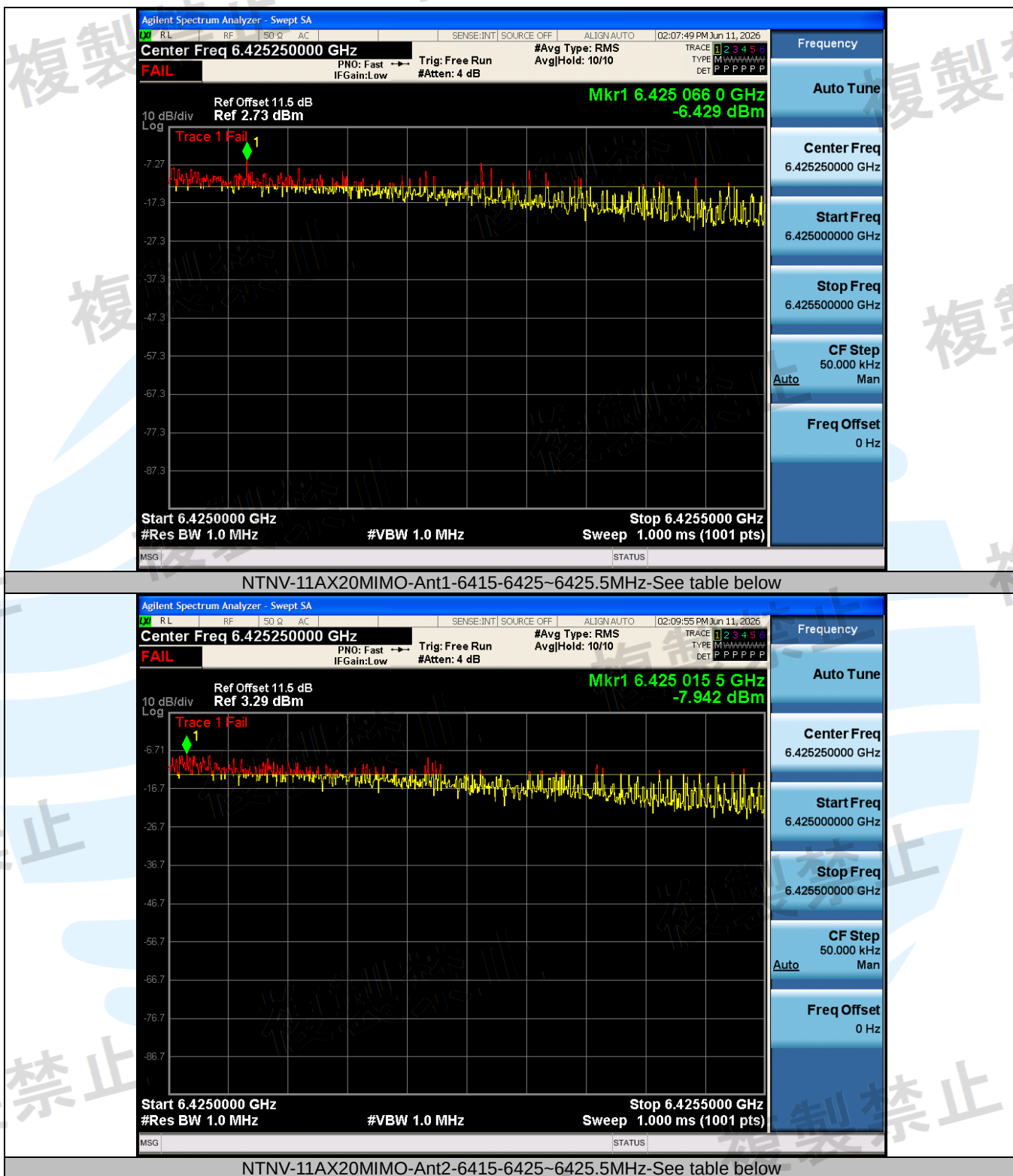
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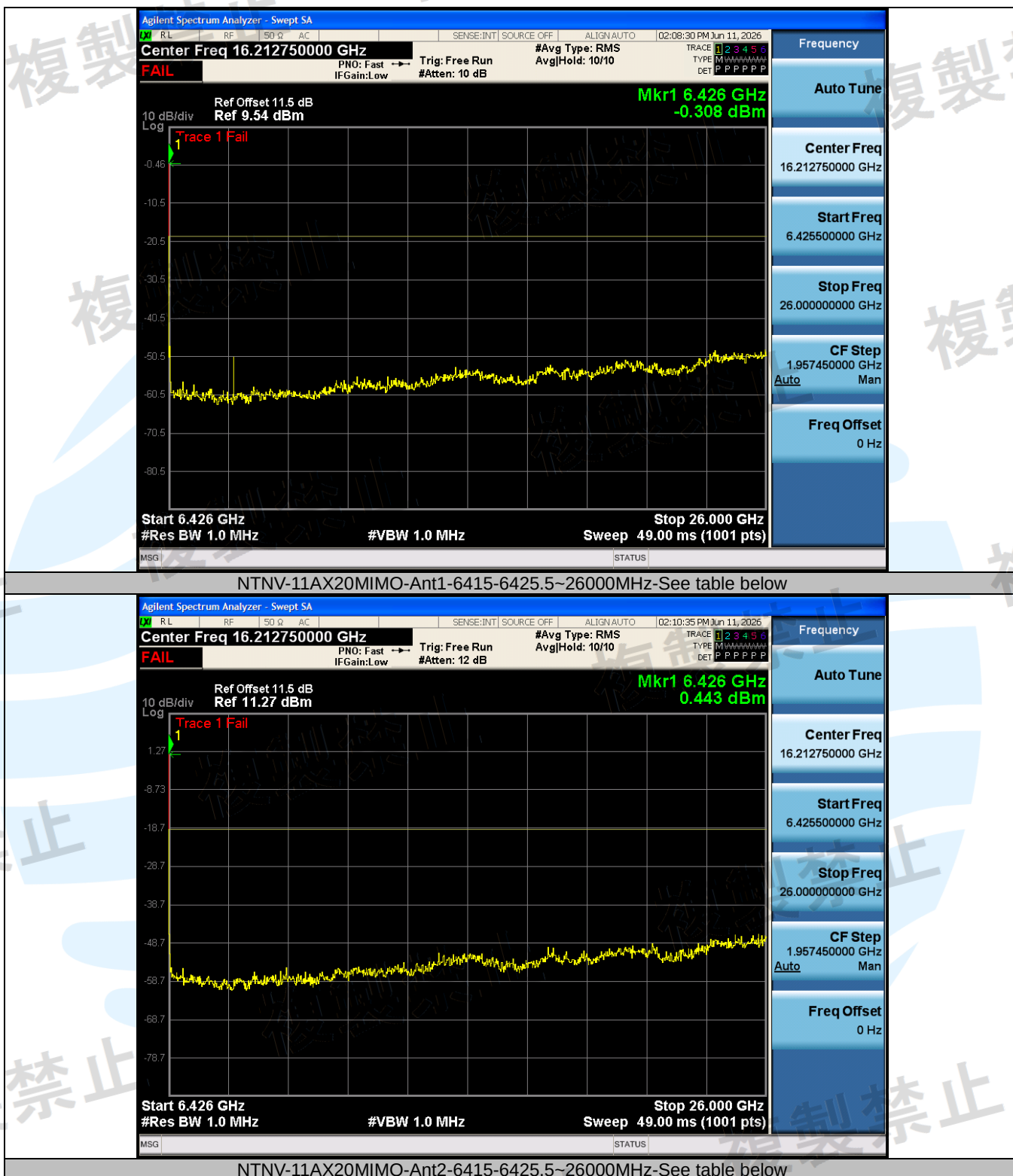
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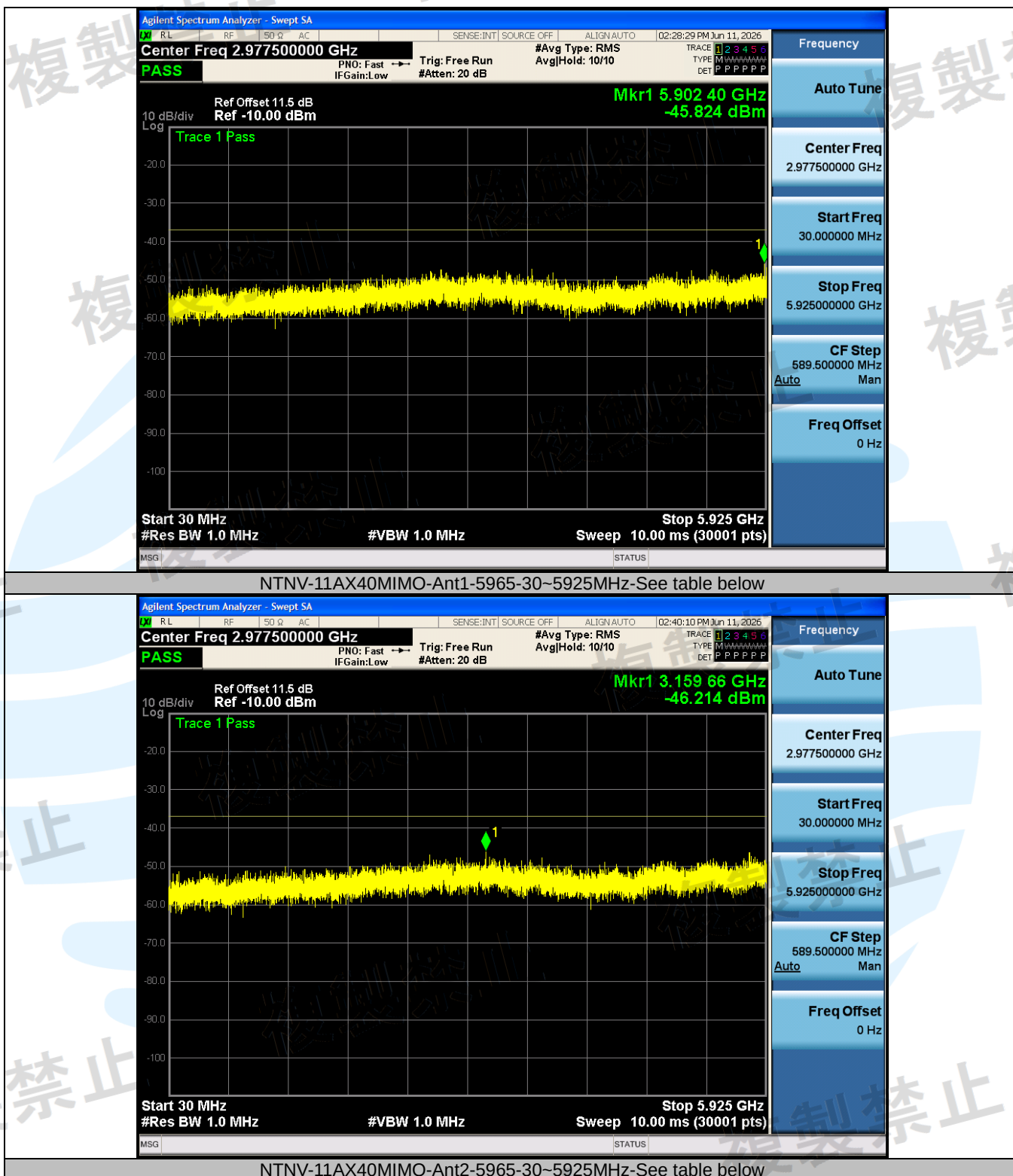
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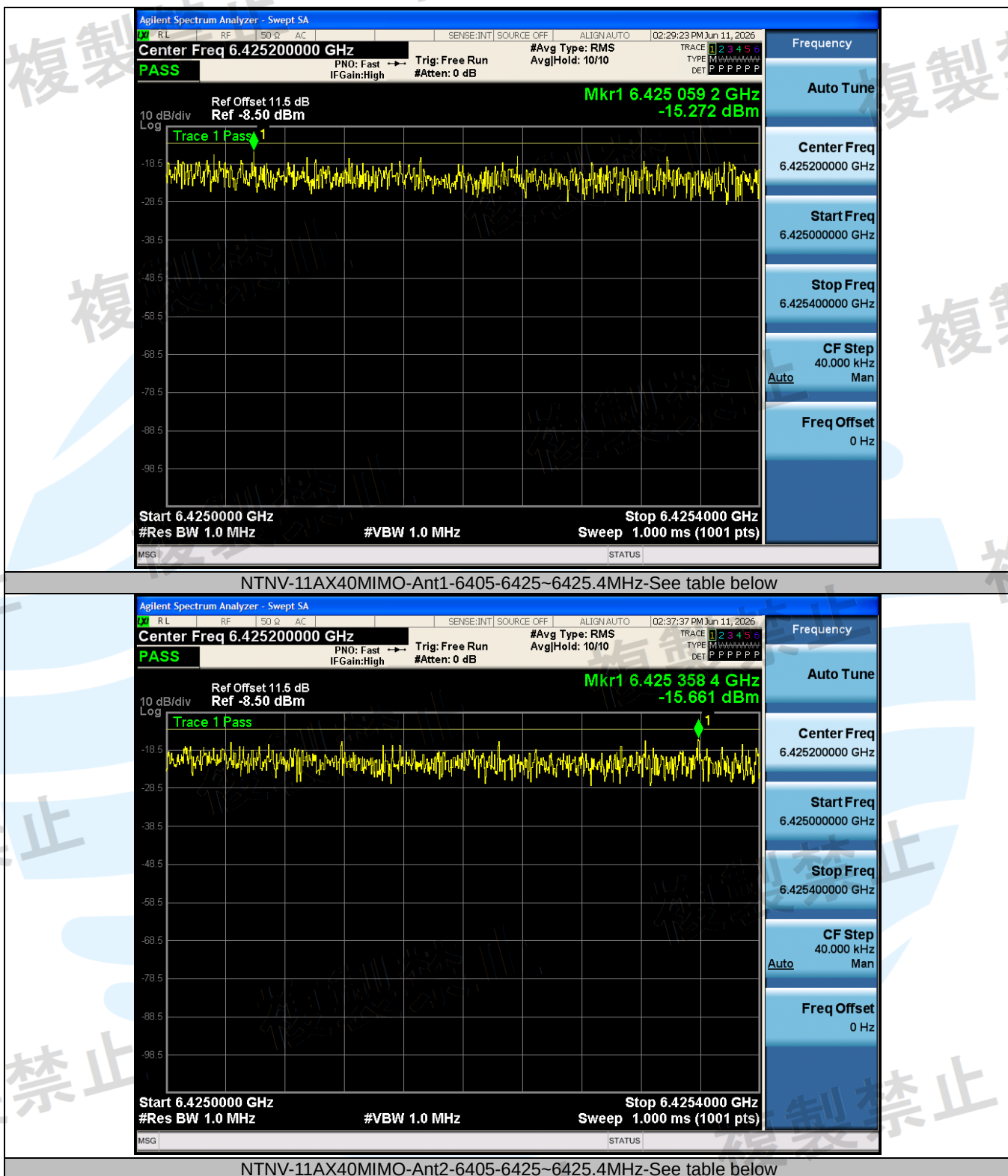
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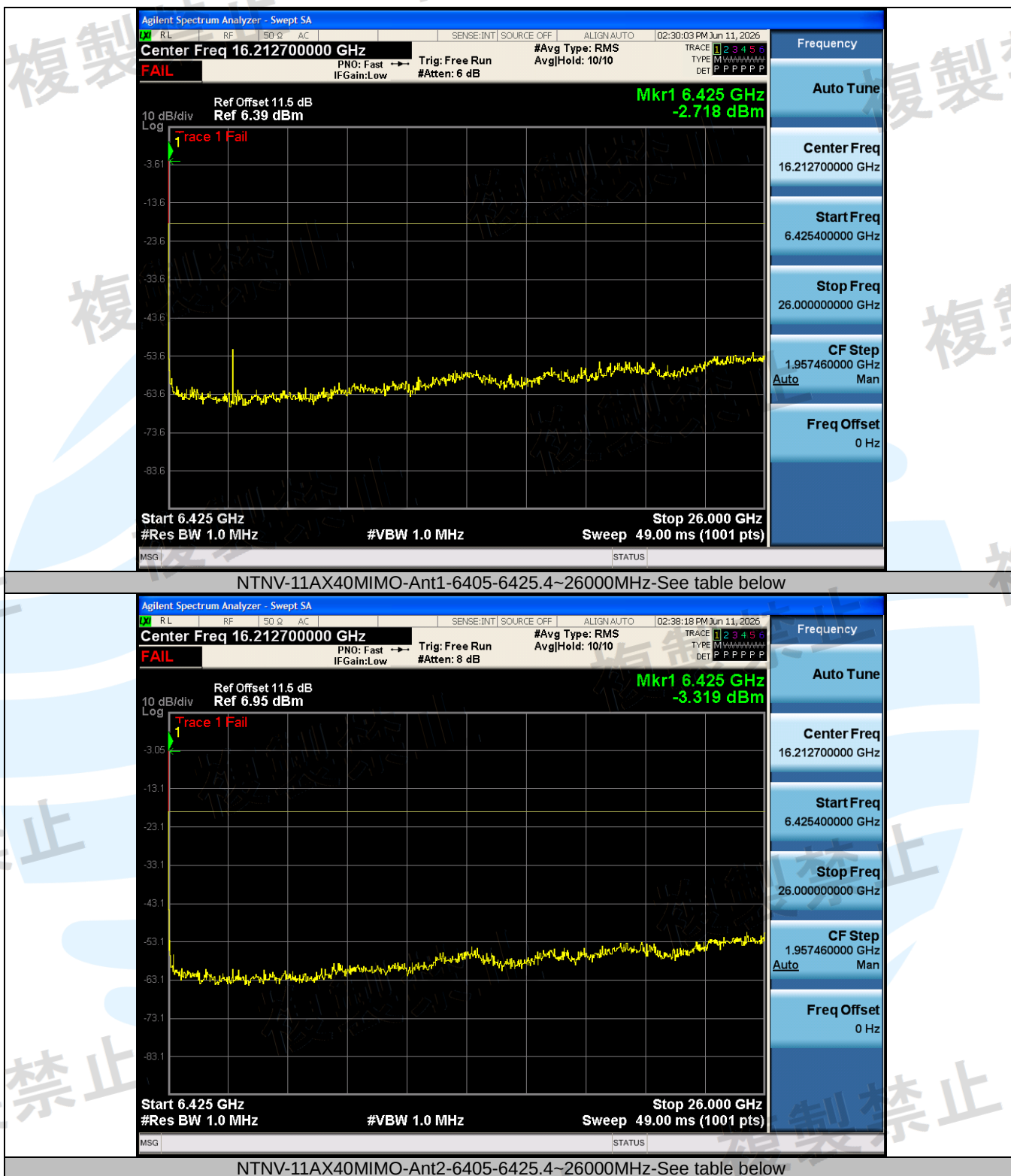
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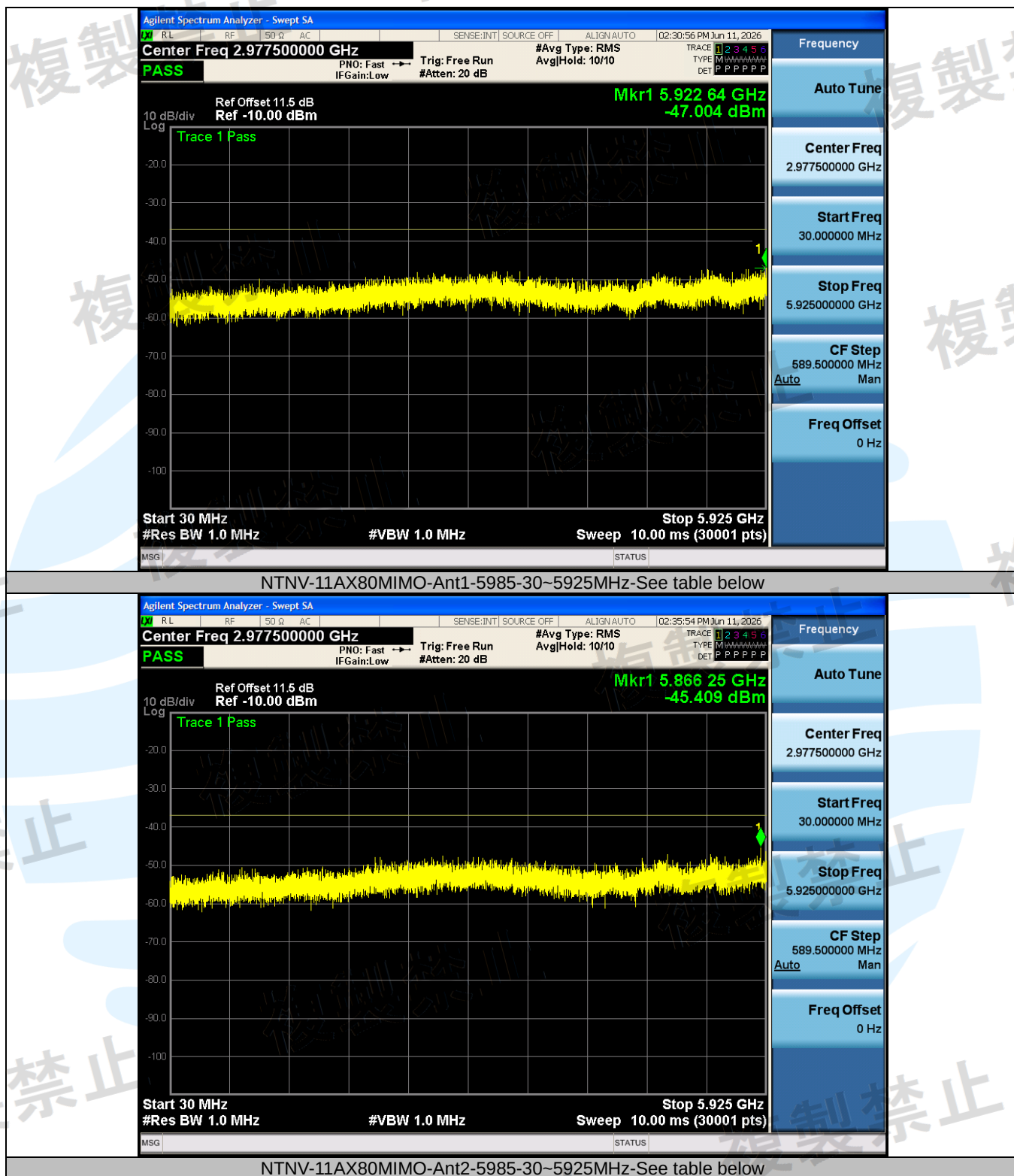
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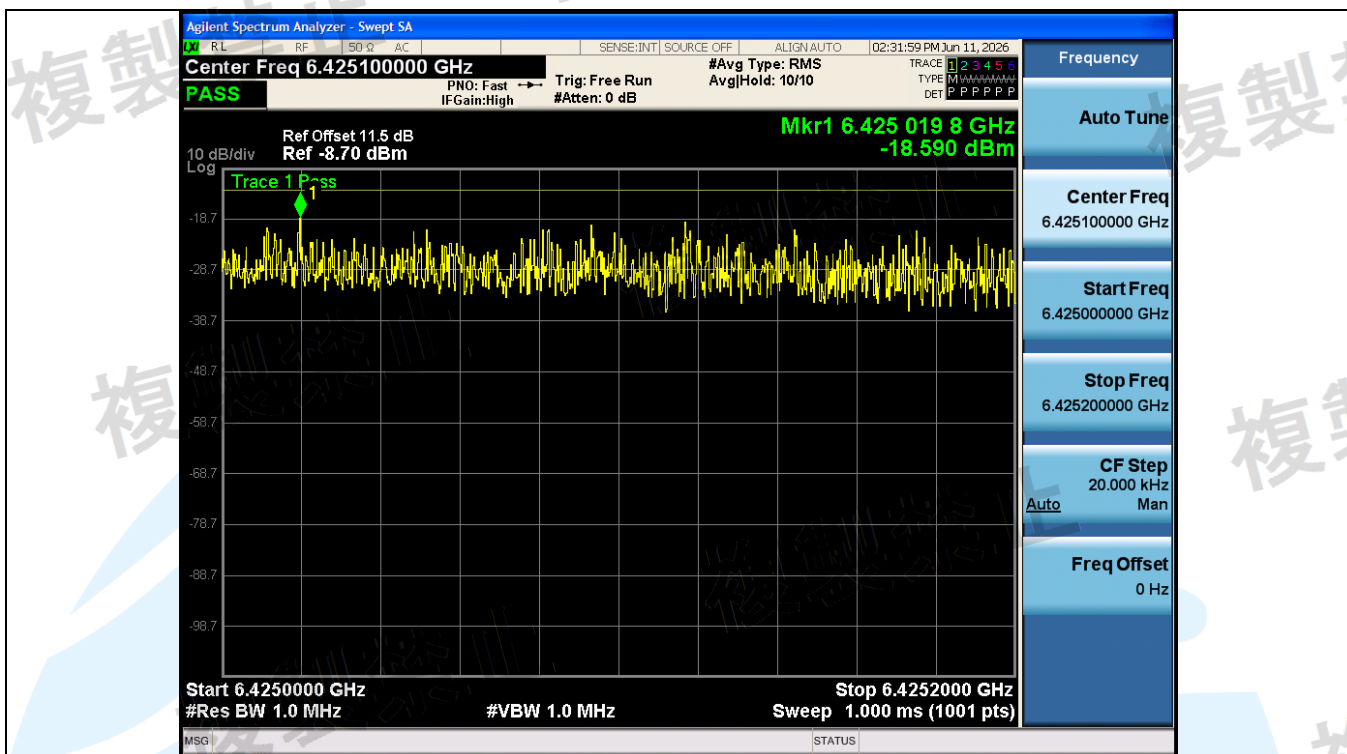
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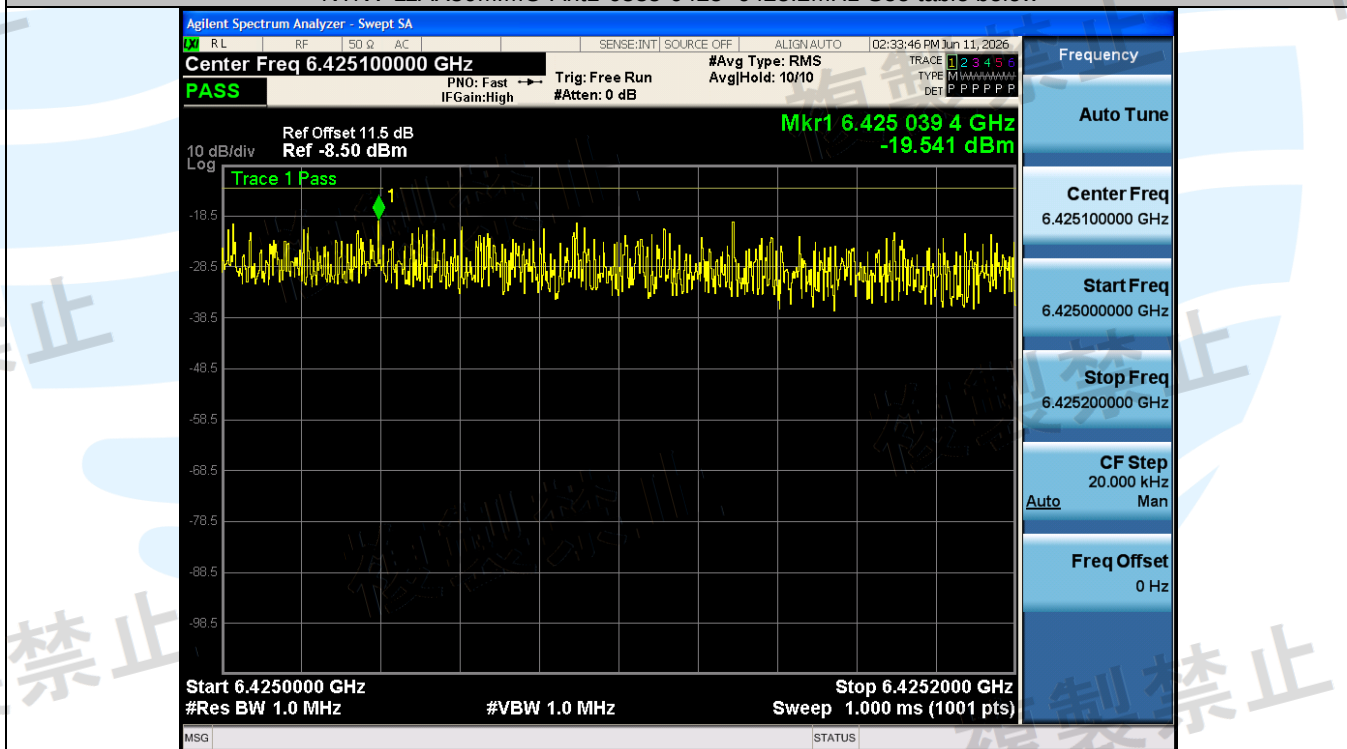








NTNV-11AX80MIMO-Ant1-6385-6425~6425.2MHz-See table below



NTNV-11AX80MIMO-Ant2-6385-6425~6425.2MHz-See table below



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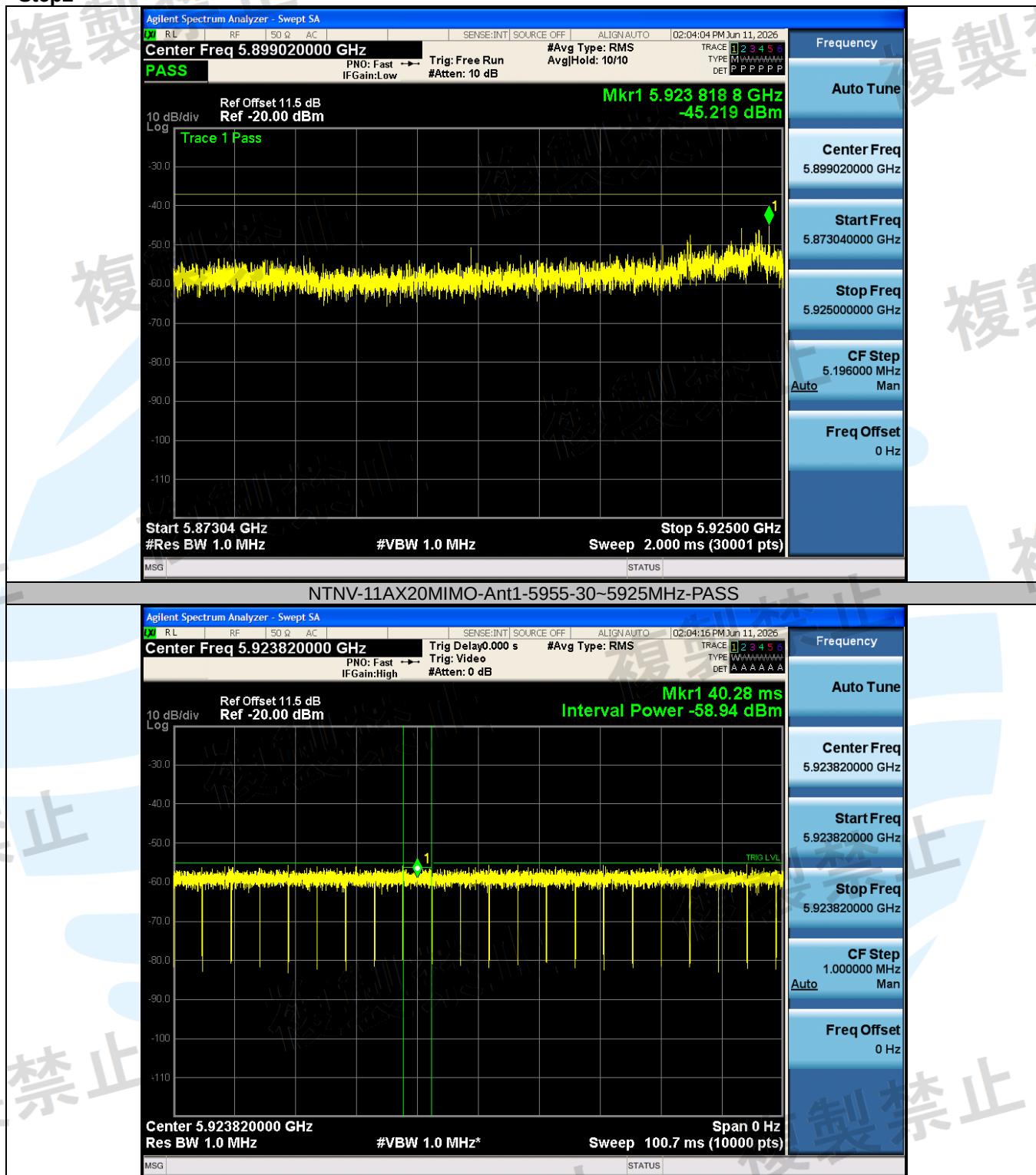
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Step2



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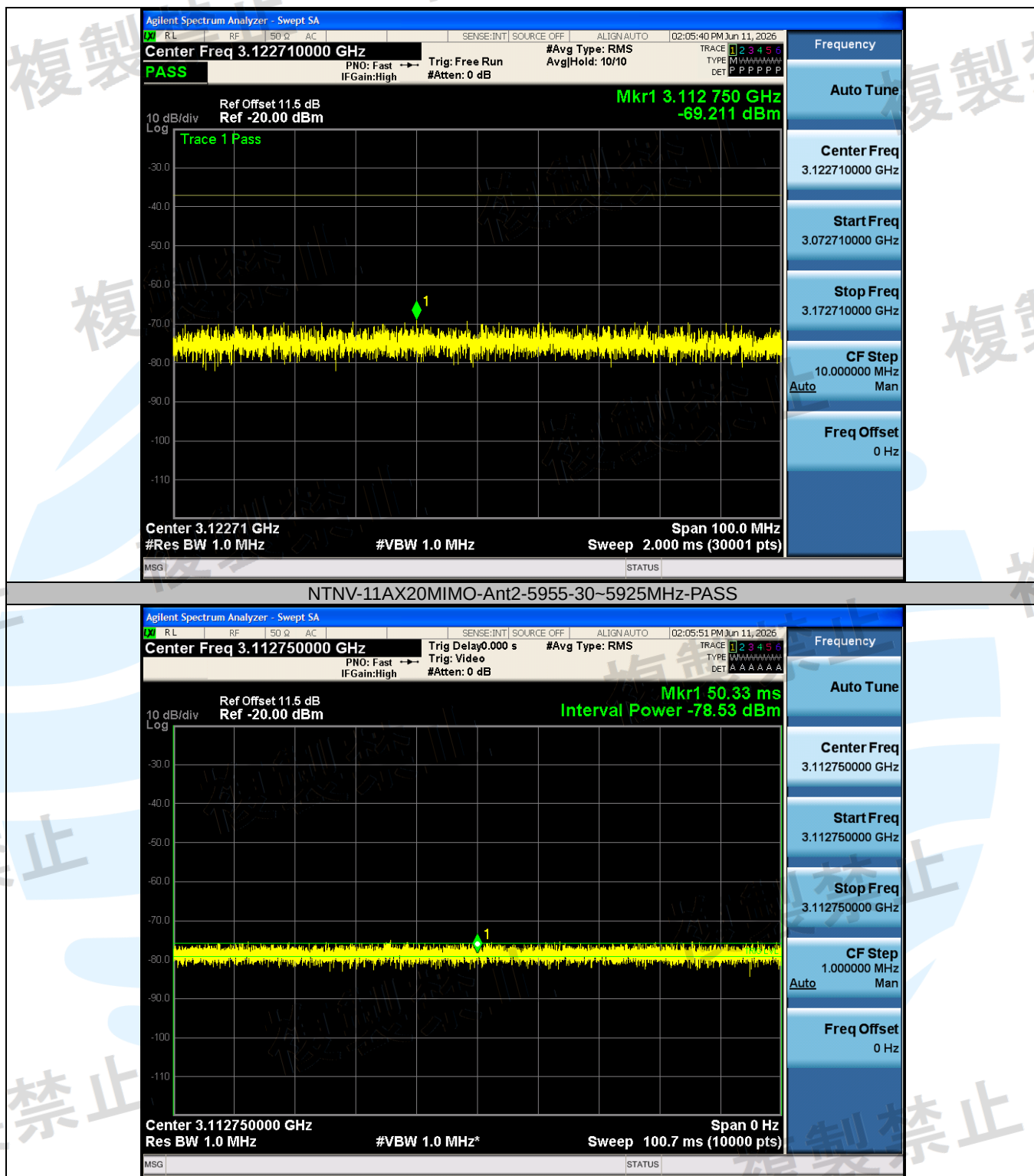
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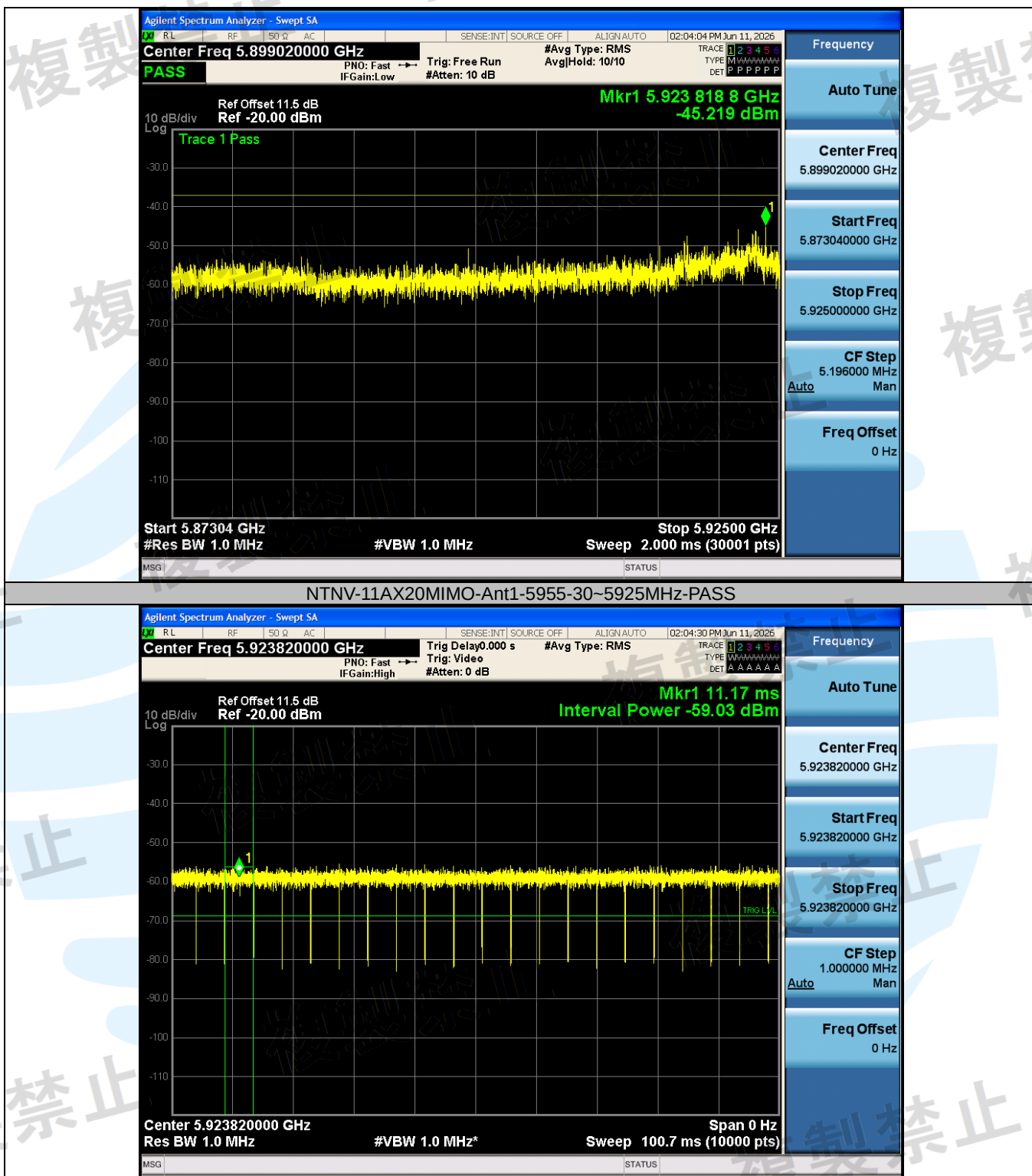
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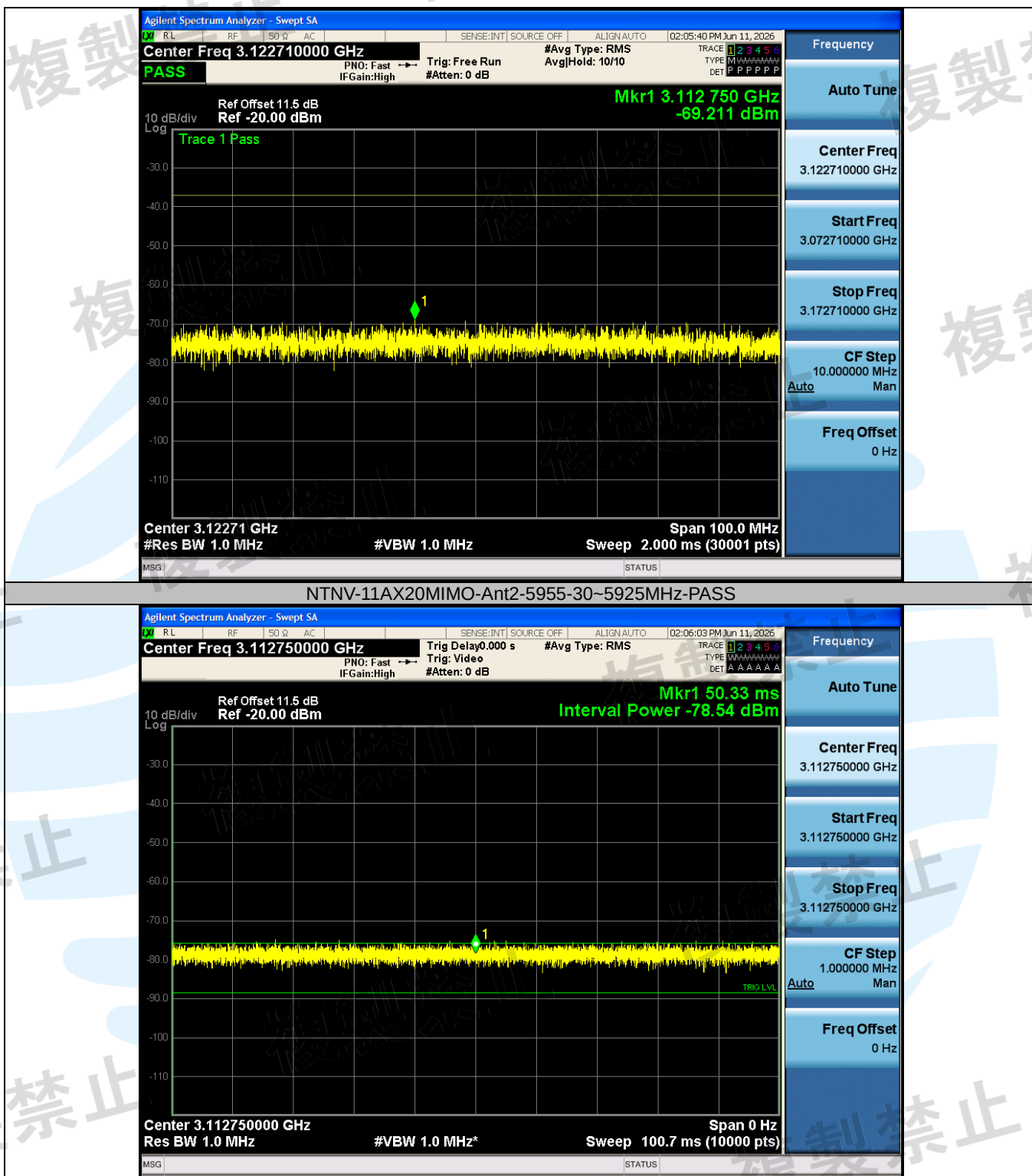
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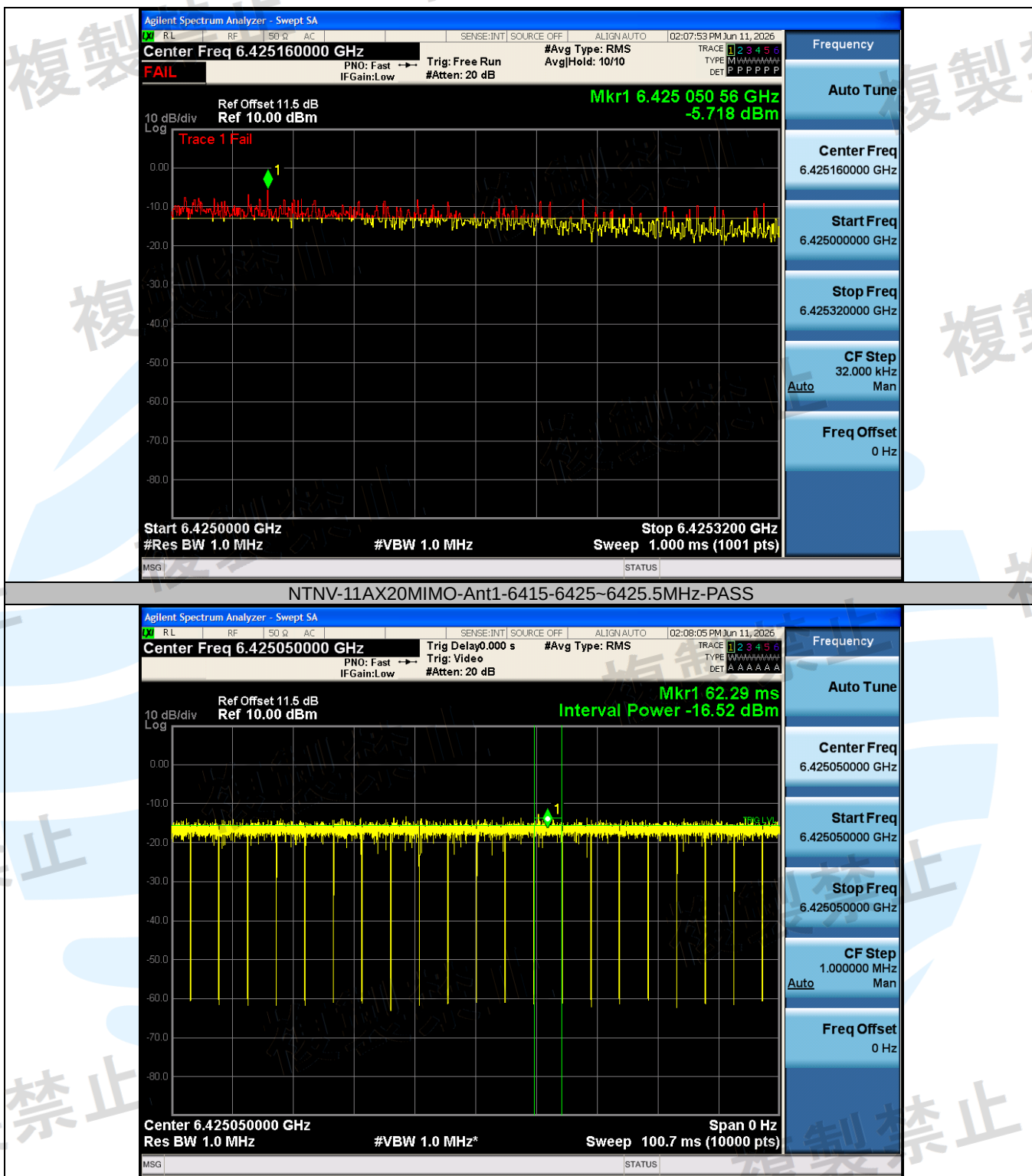
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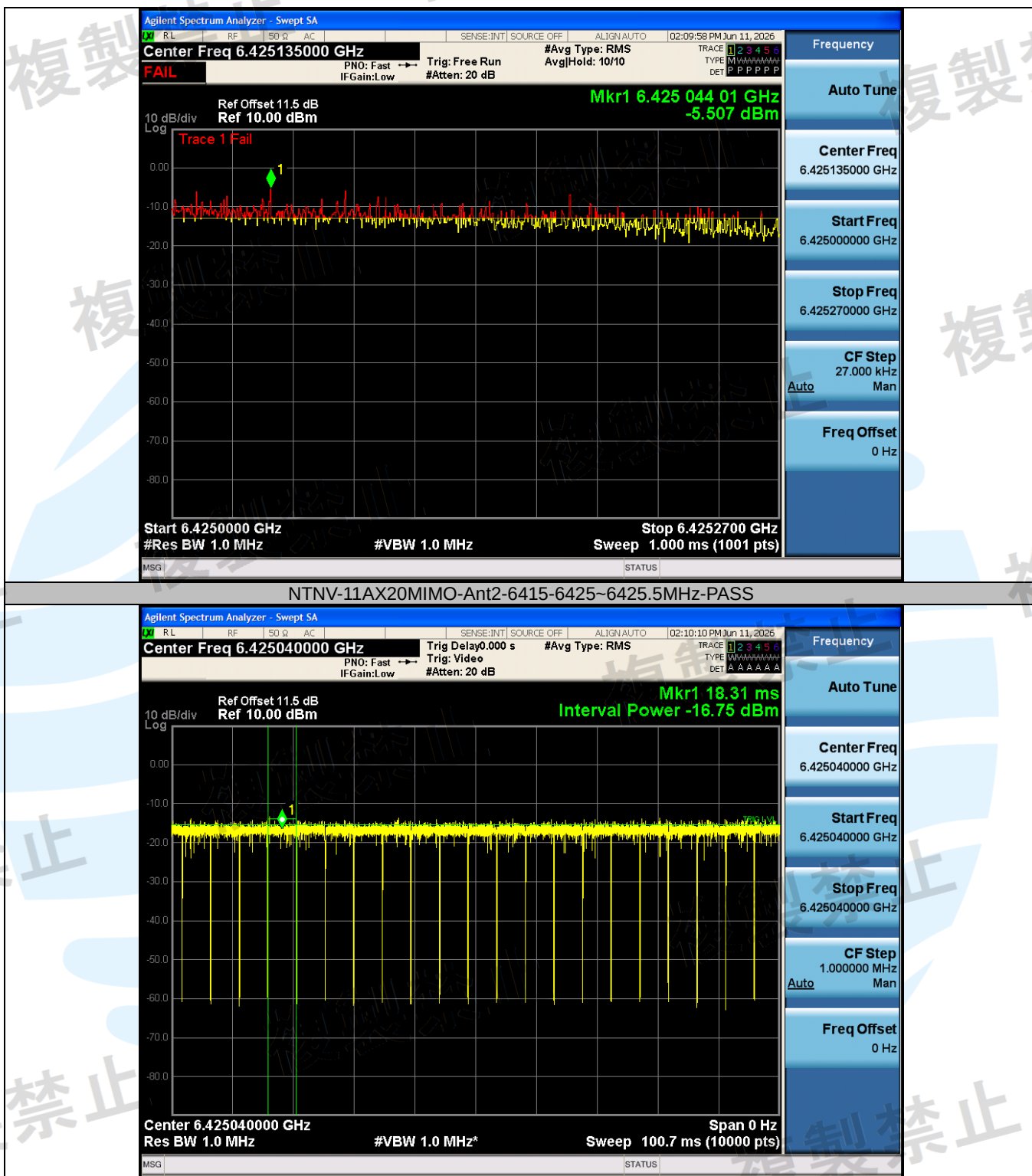
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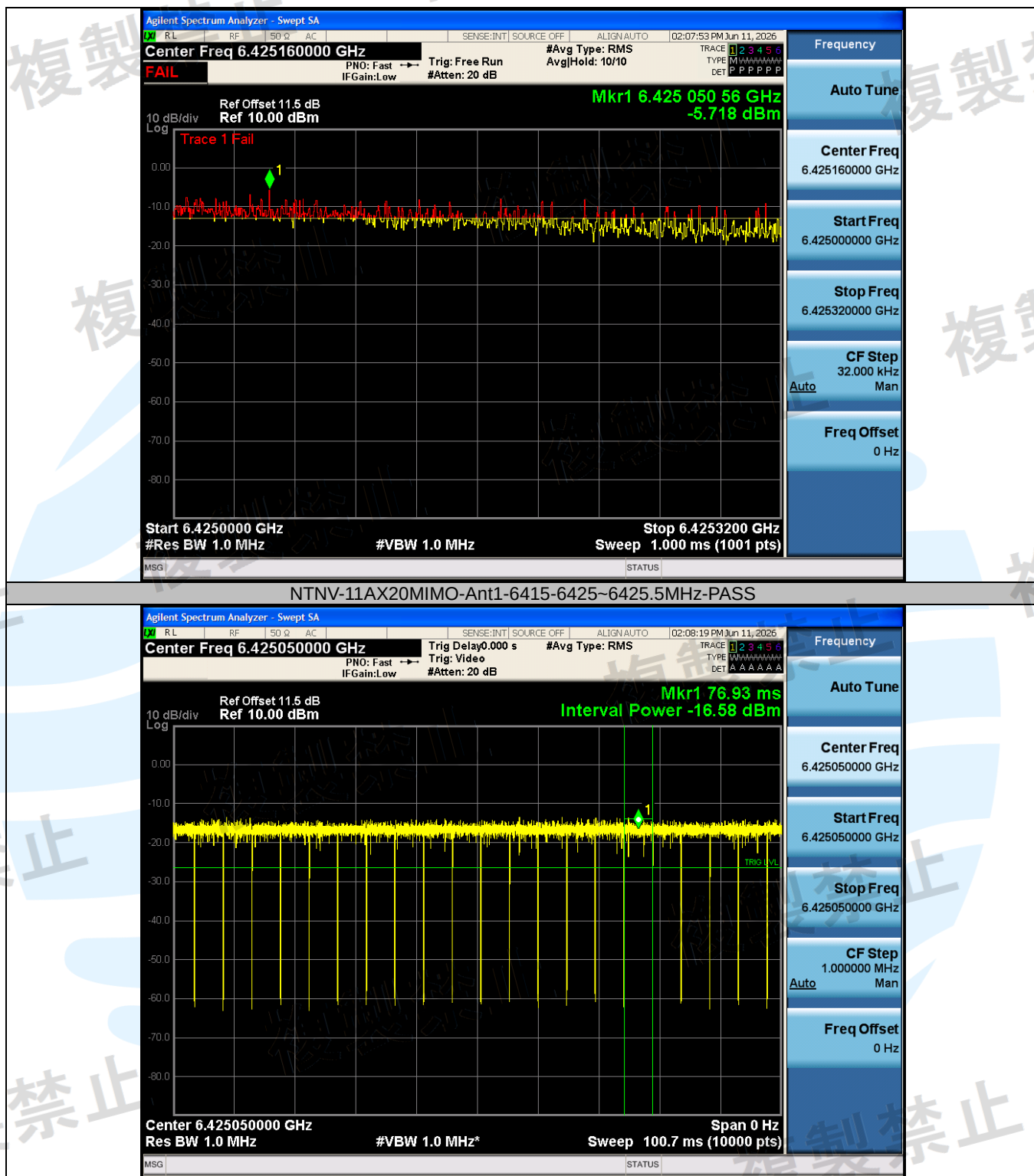
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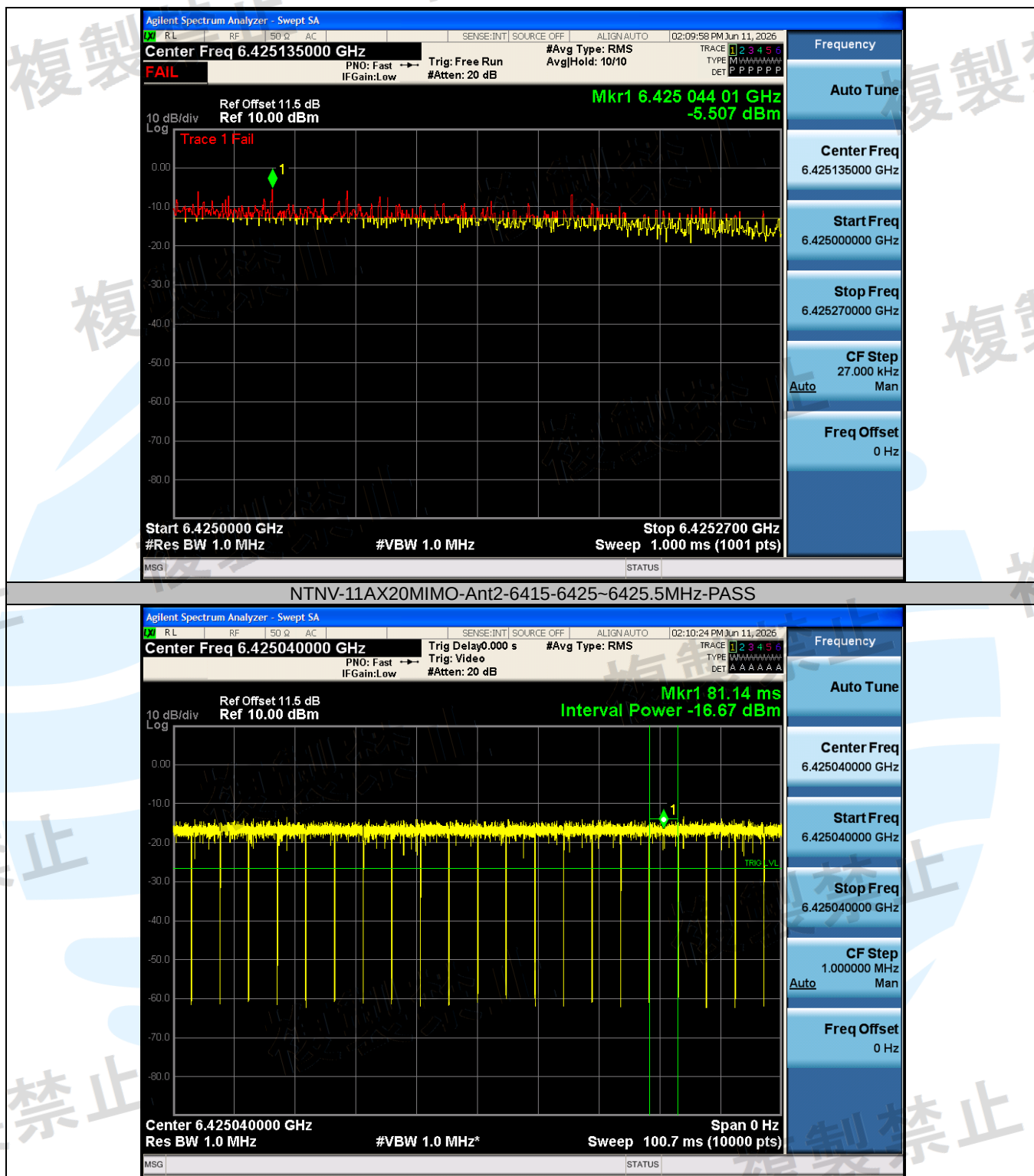
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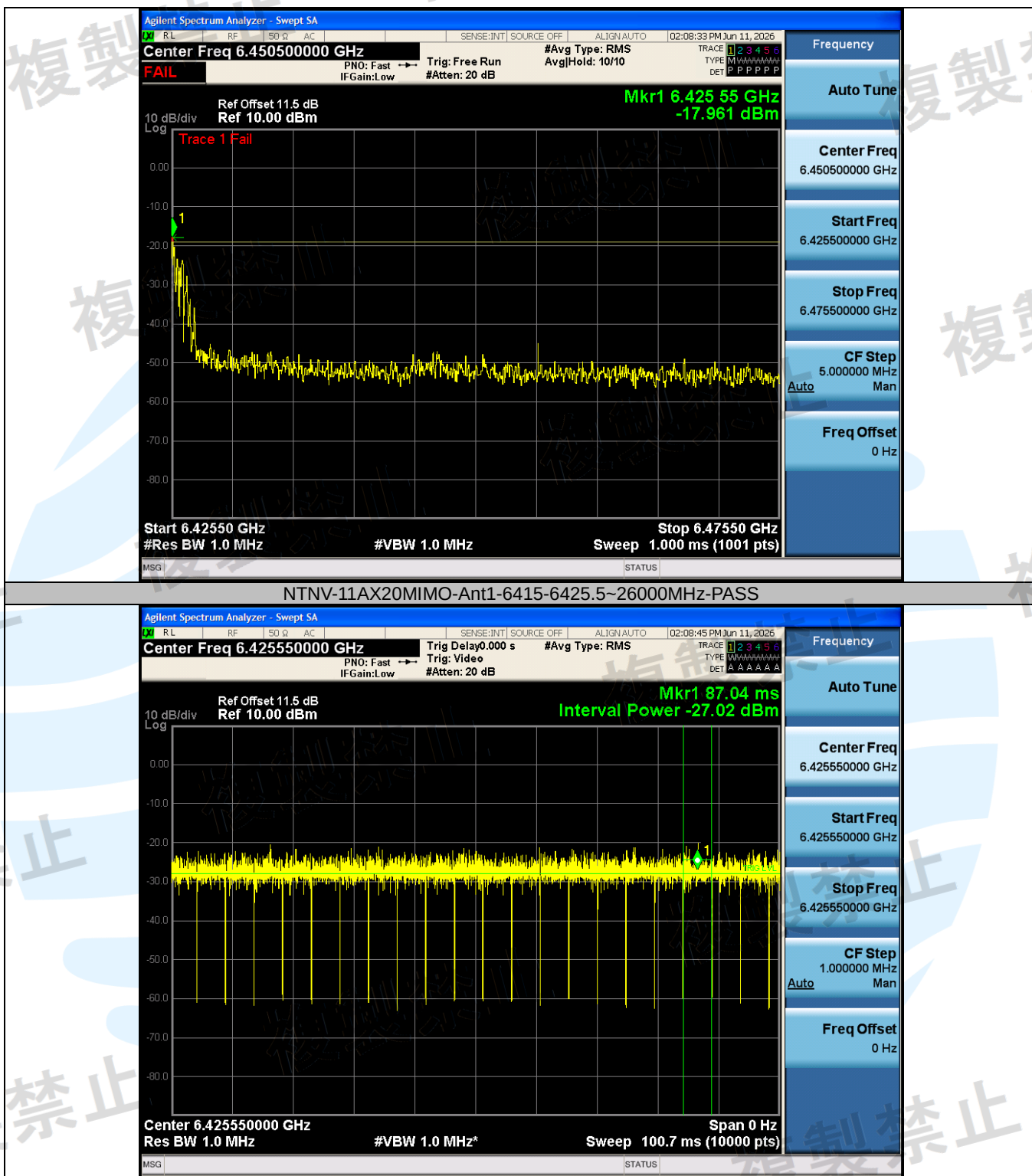
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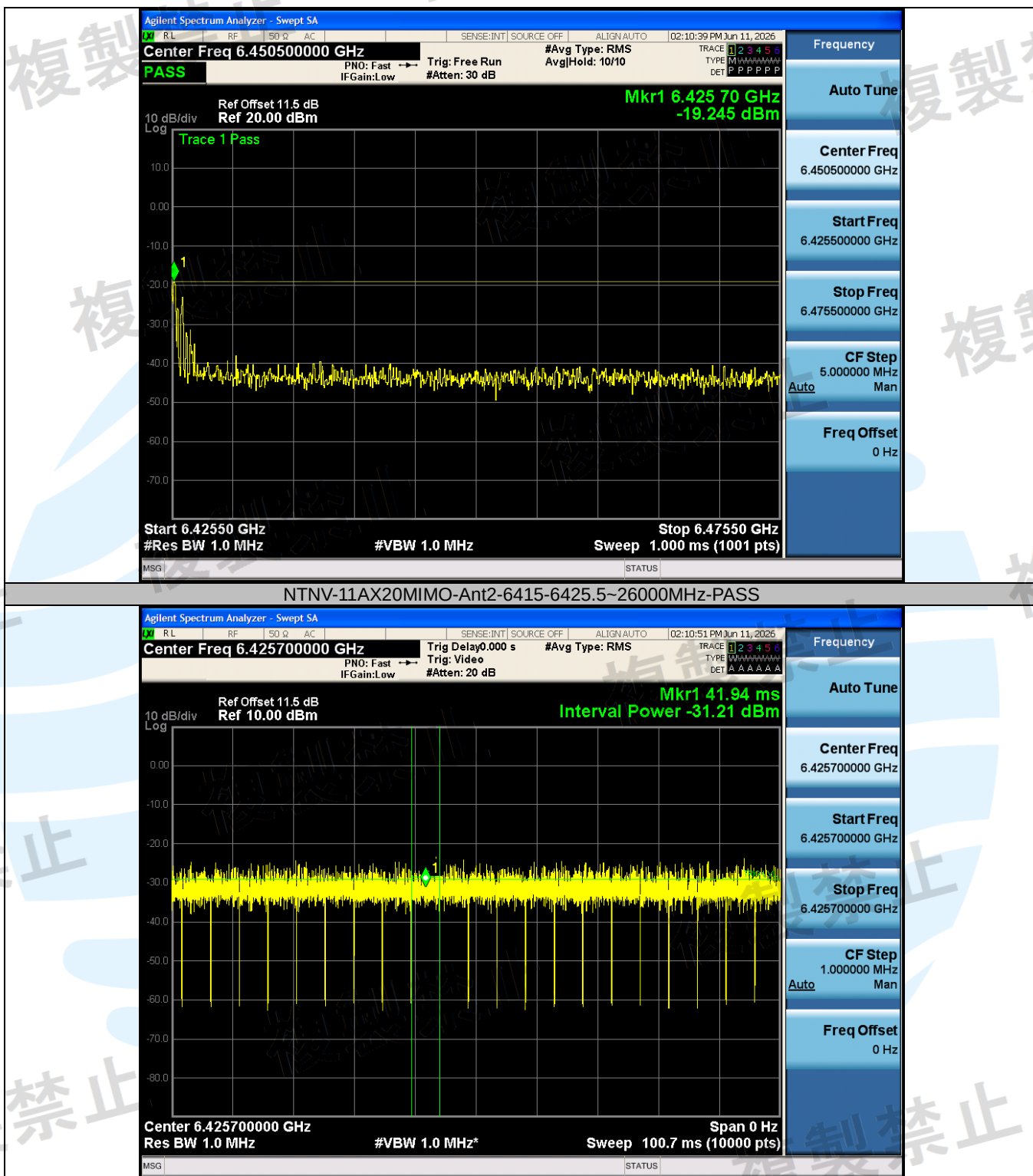
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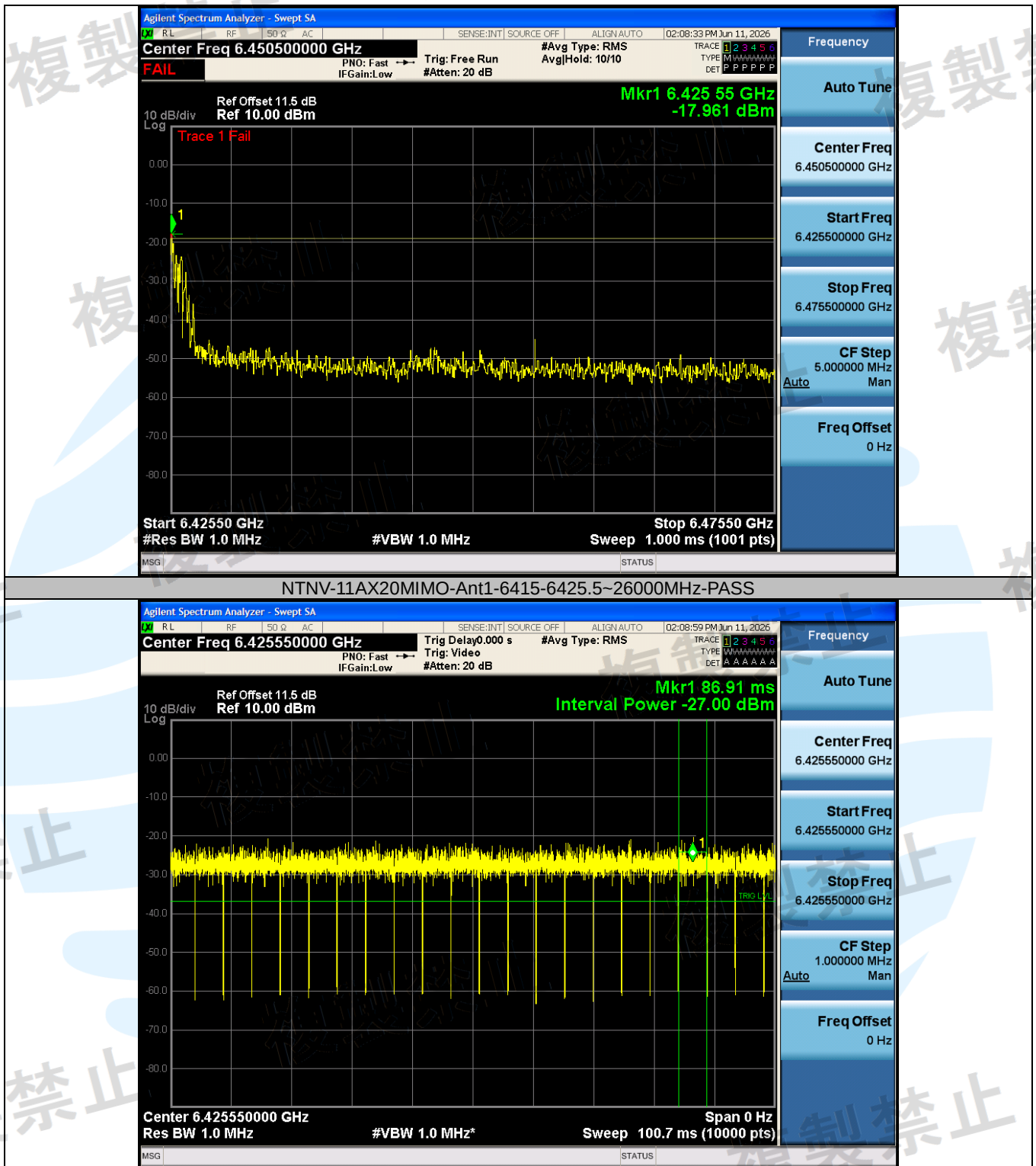
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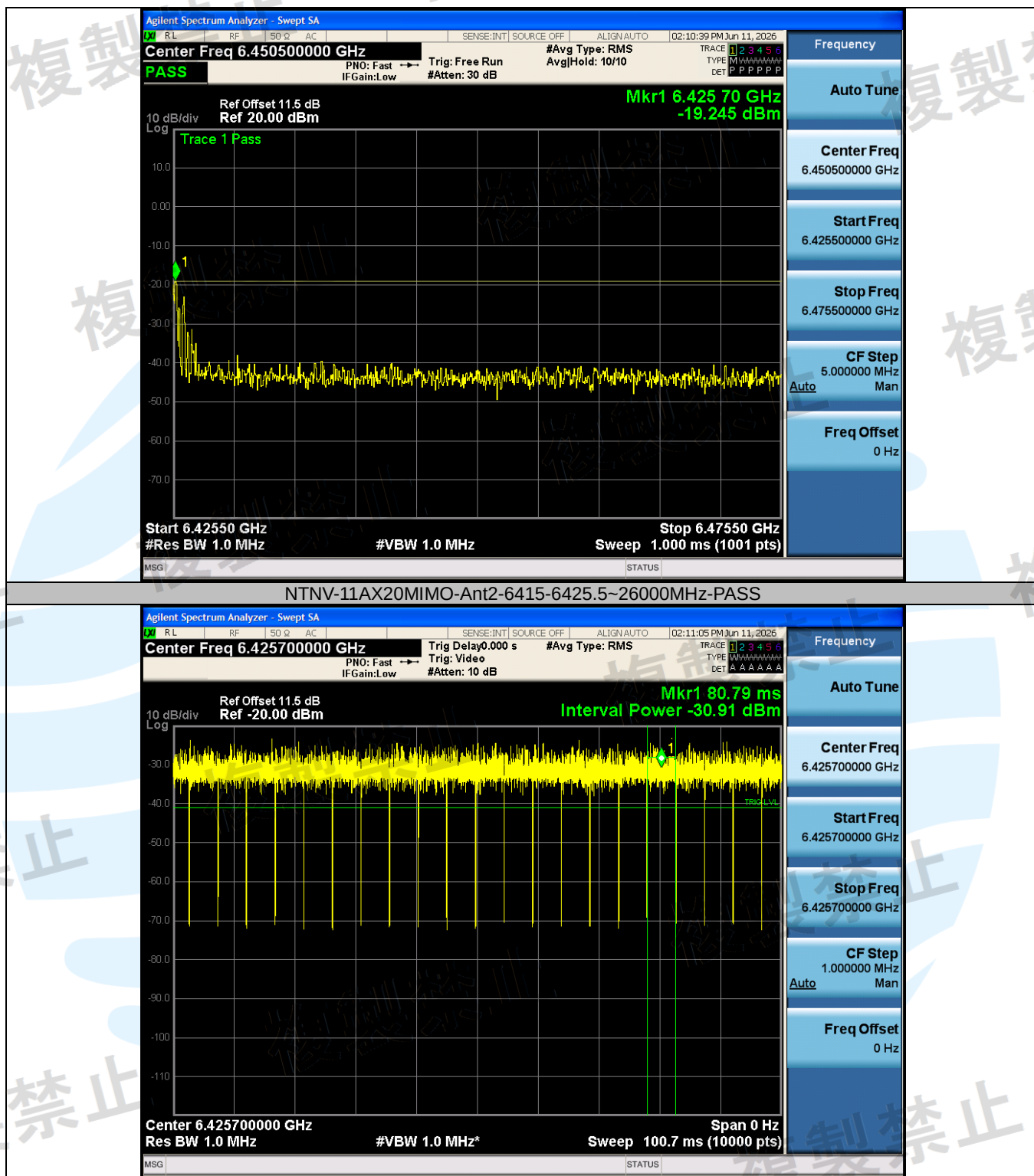
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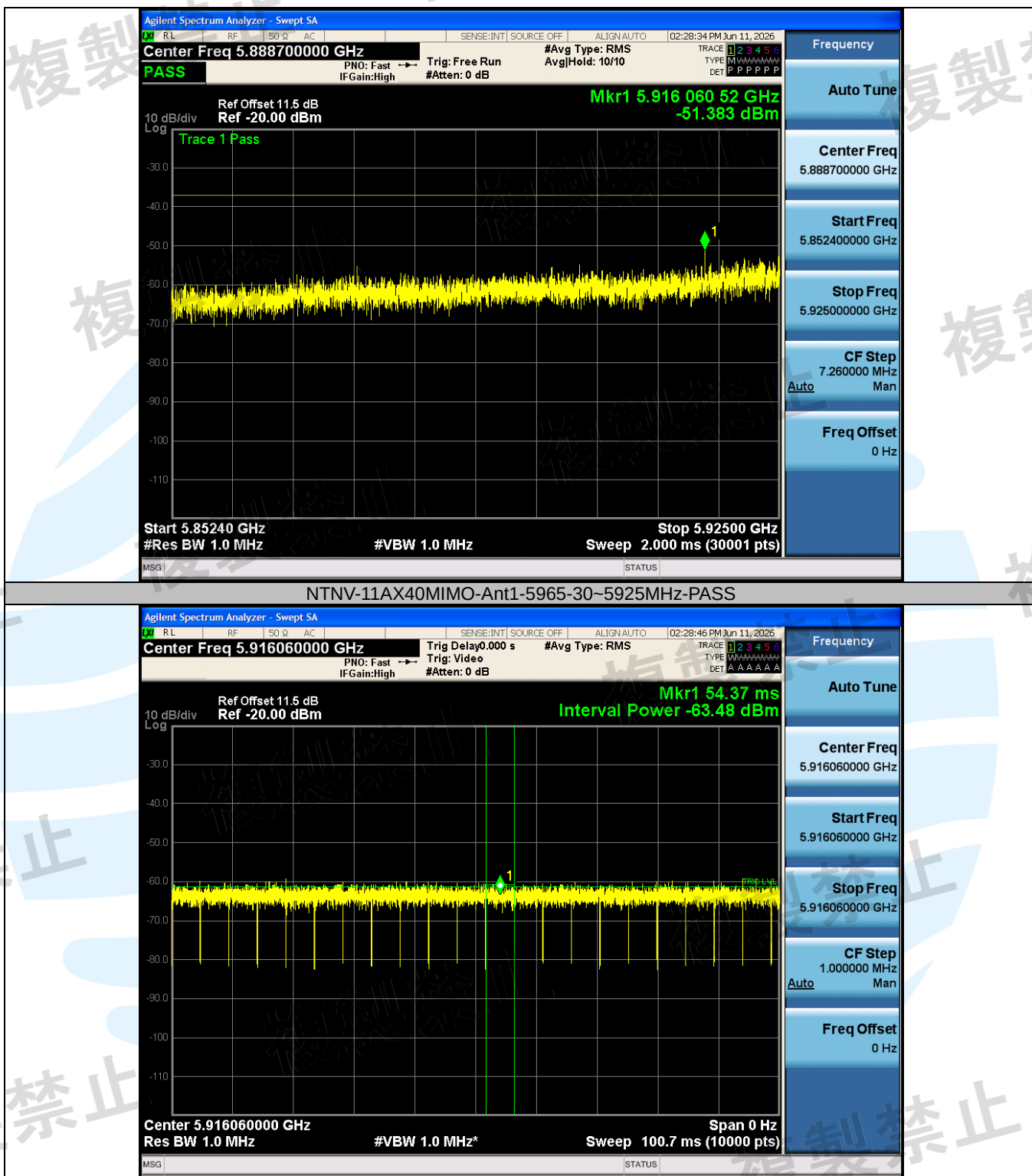
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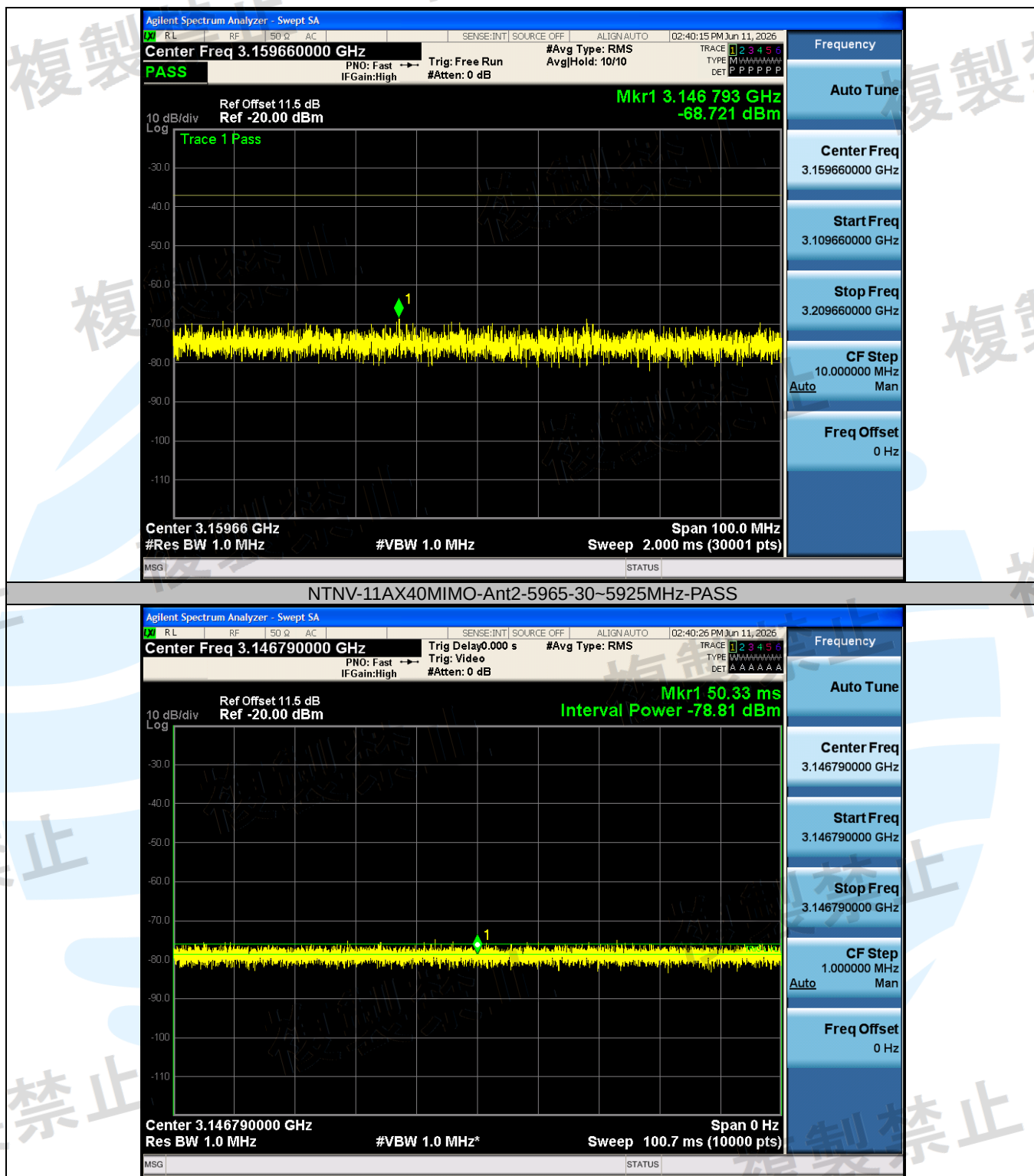
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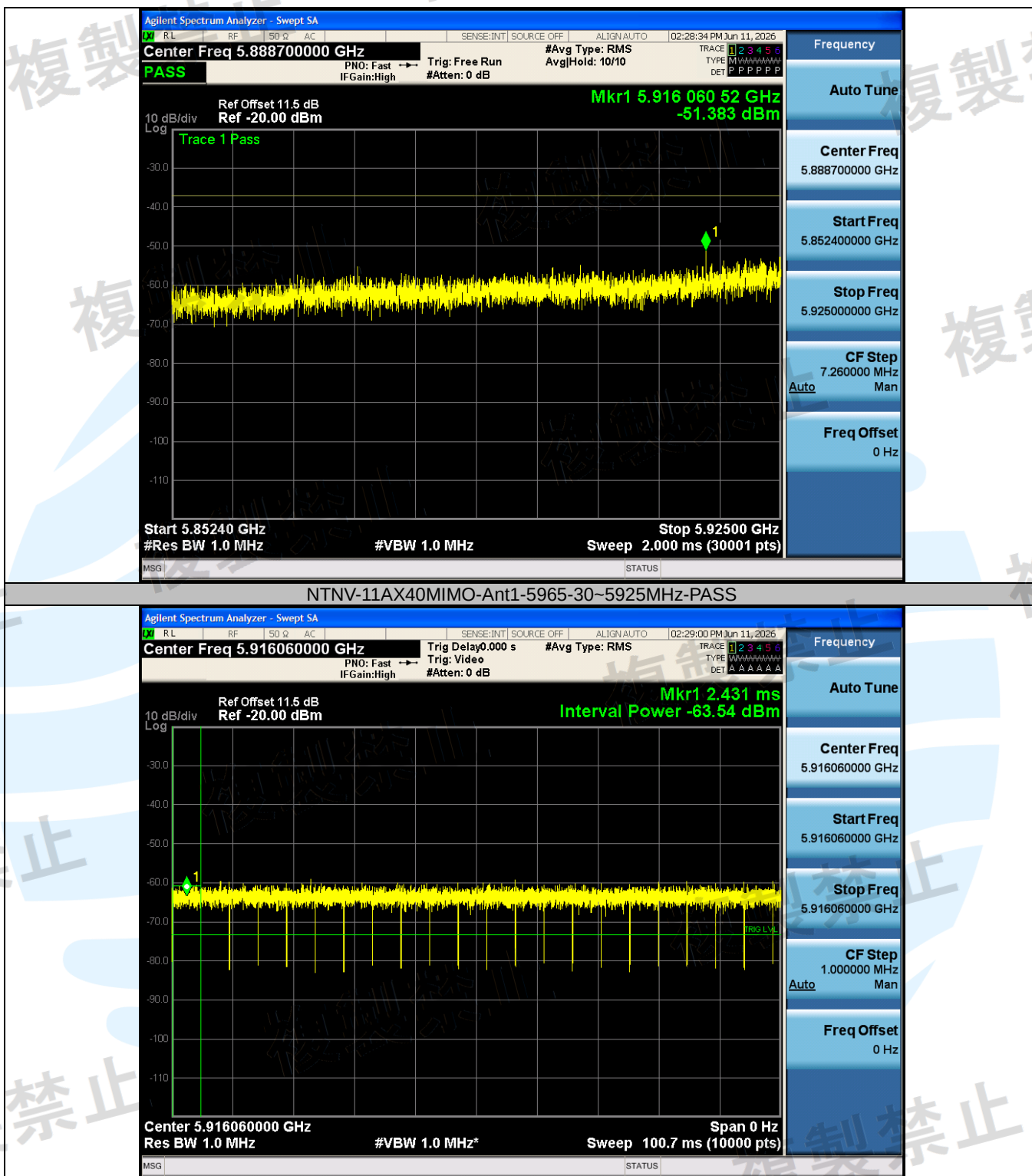
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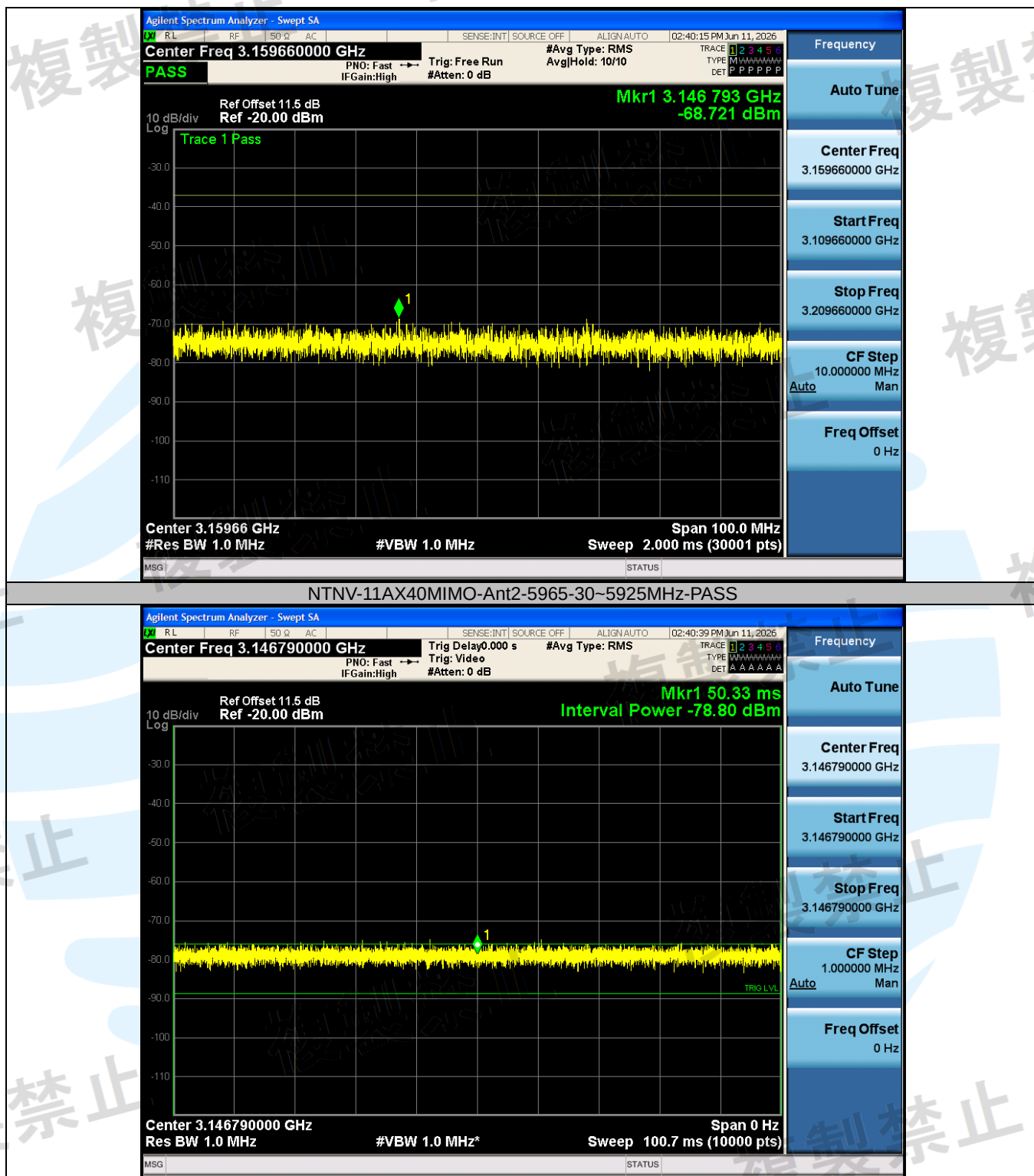
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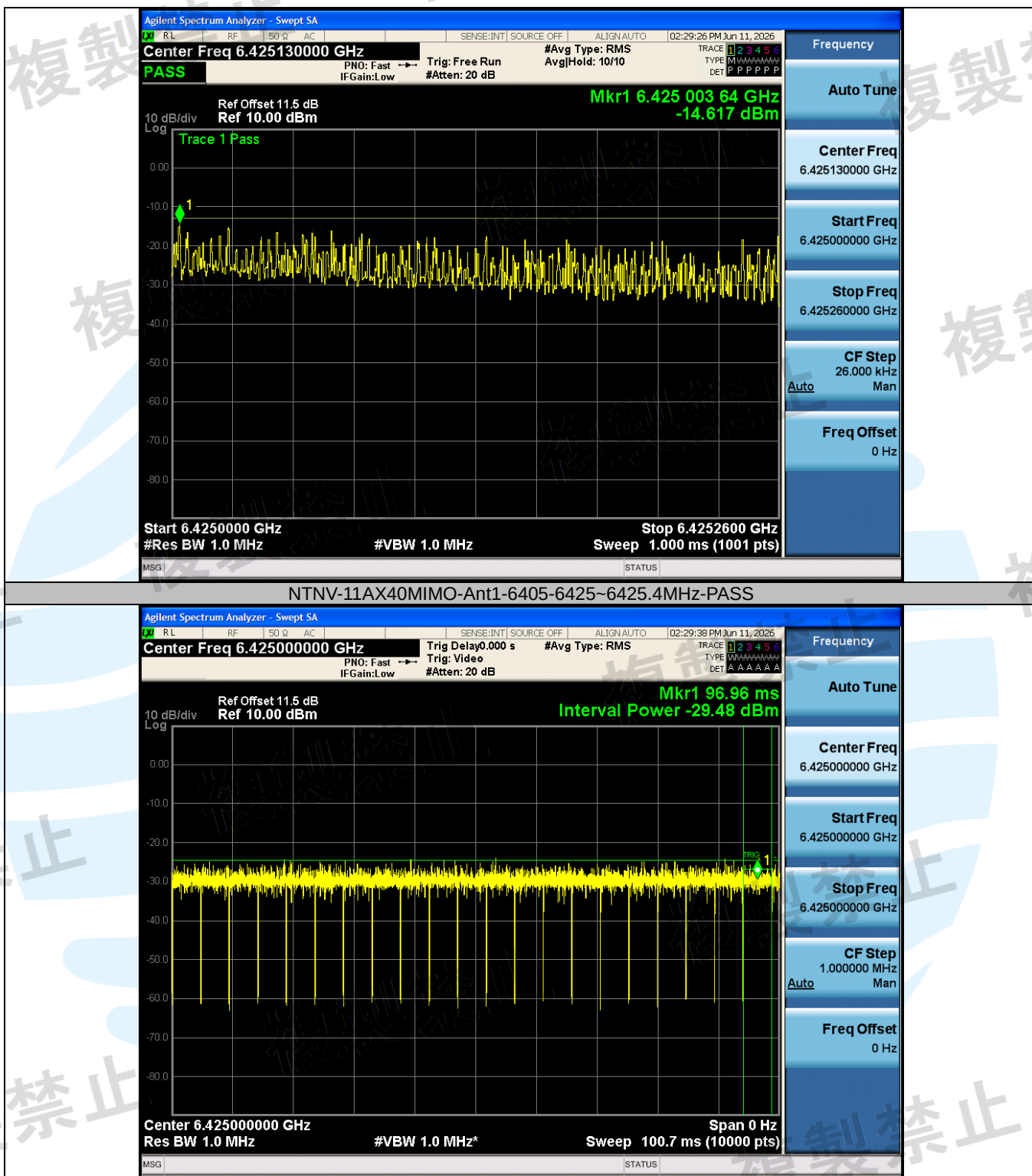
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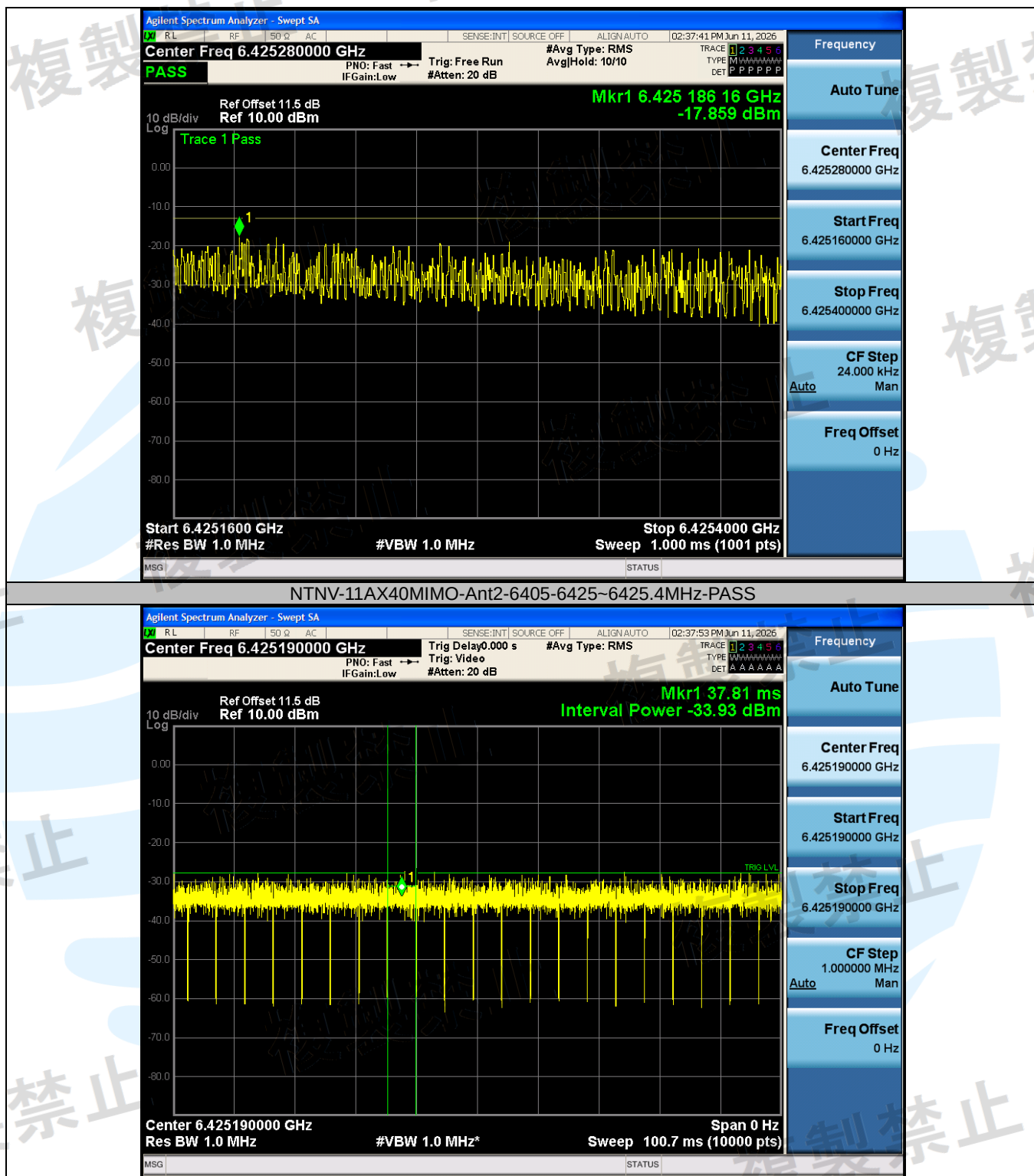
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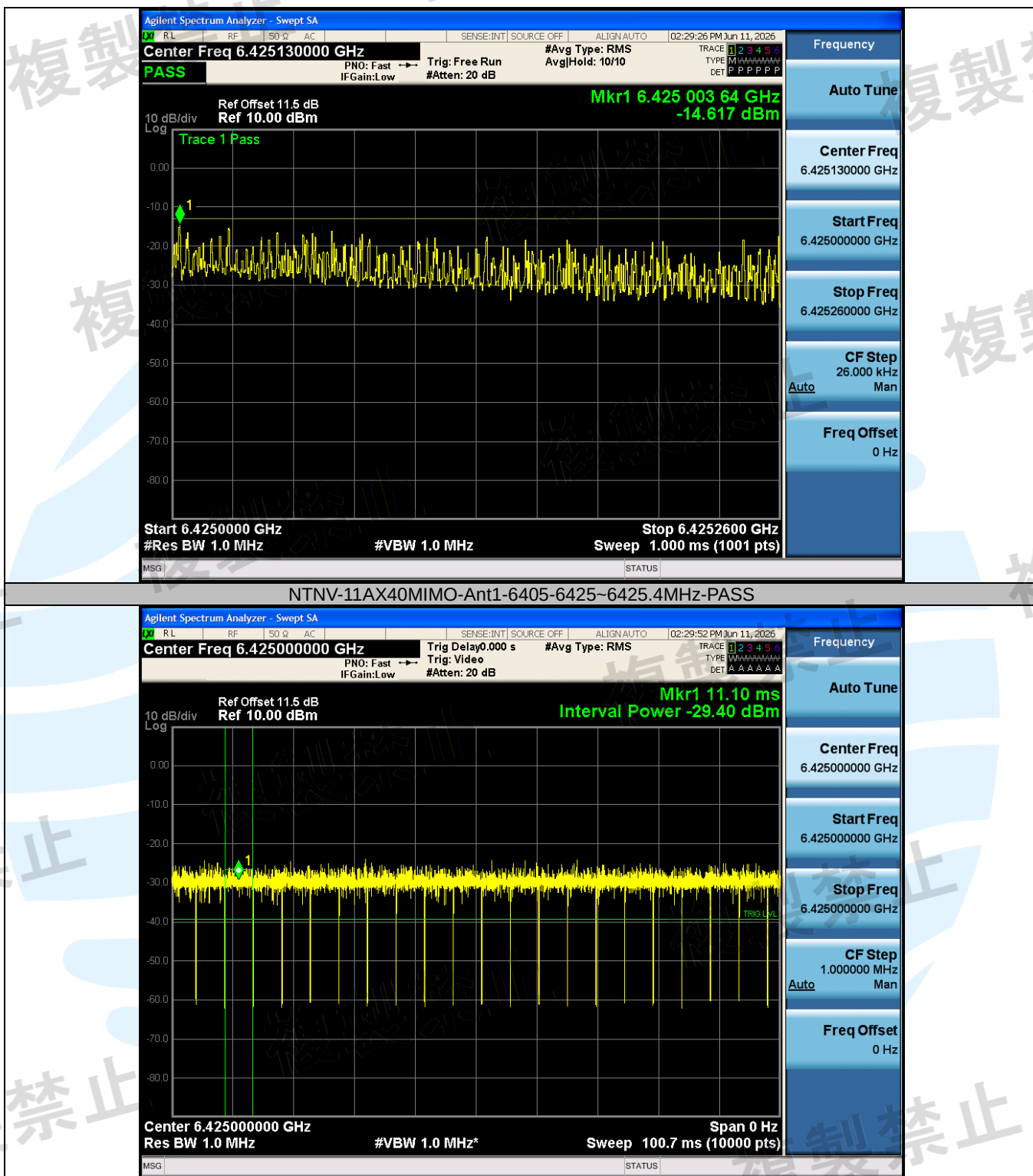
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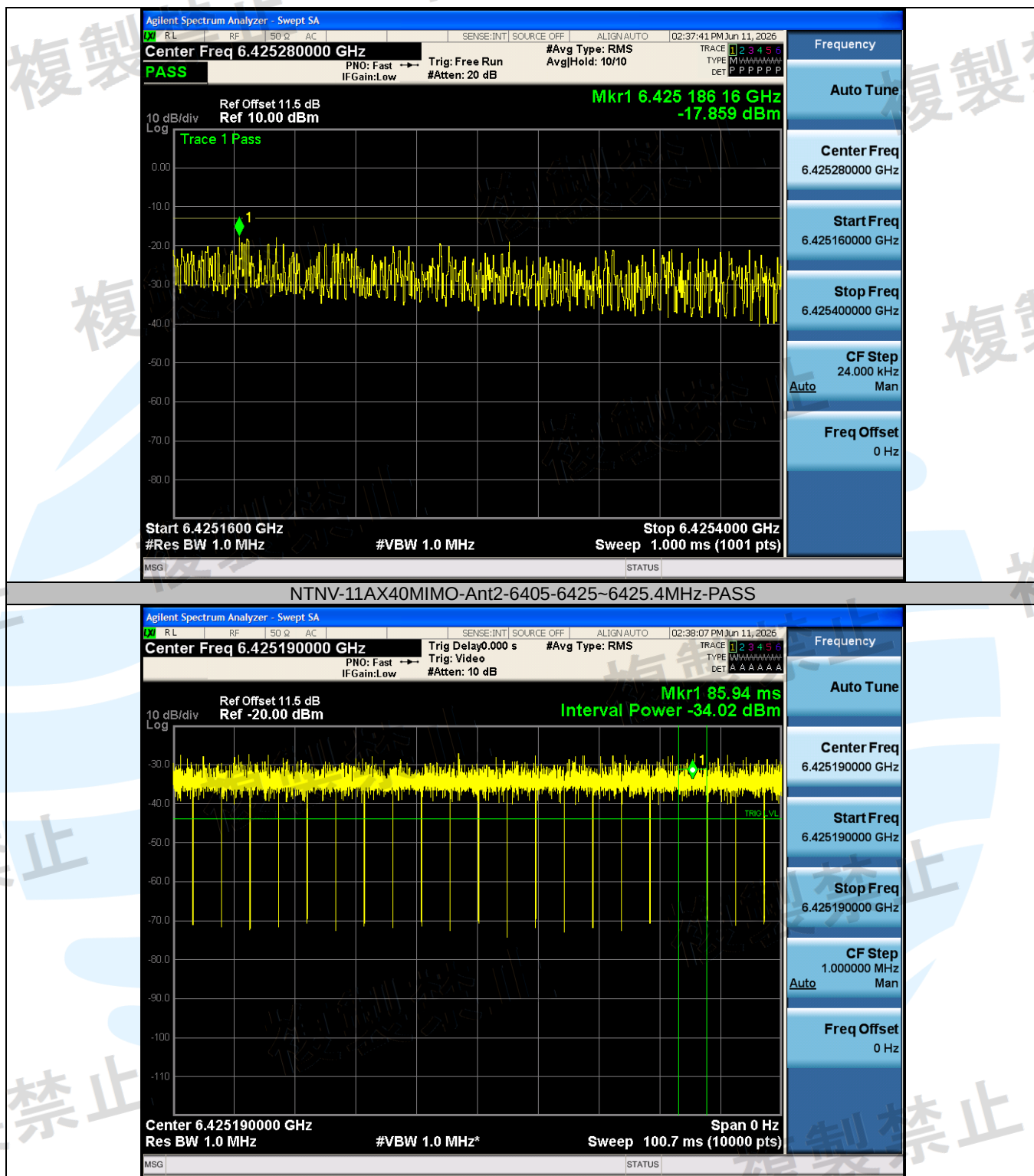
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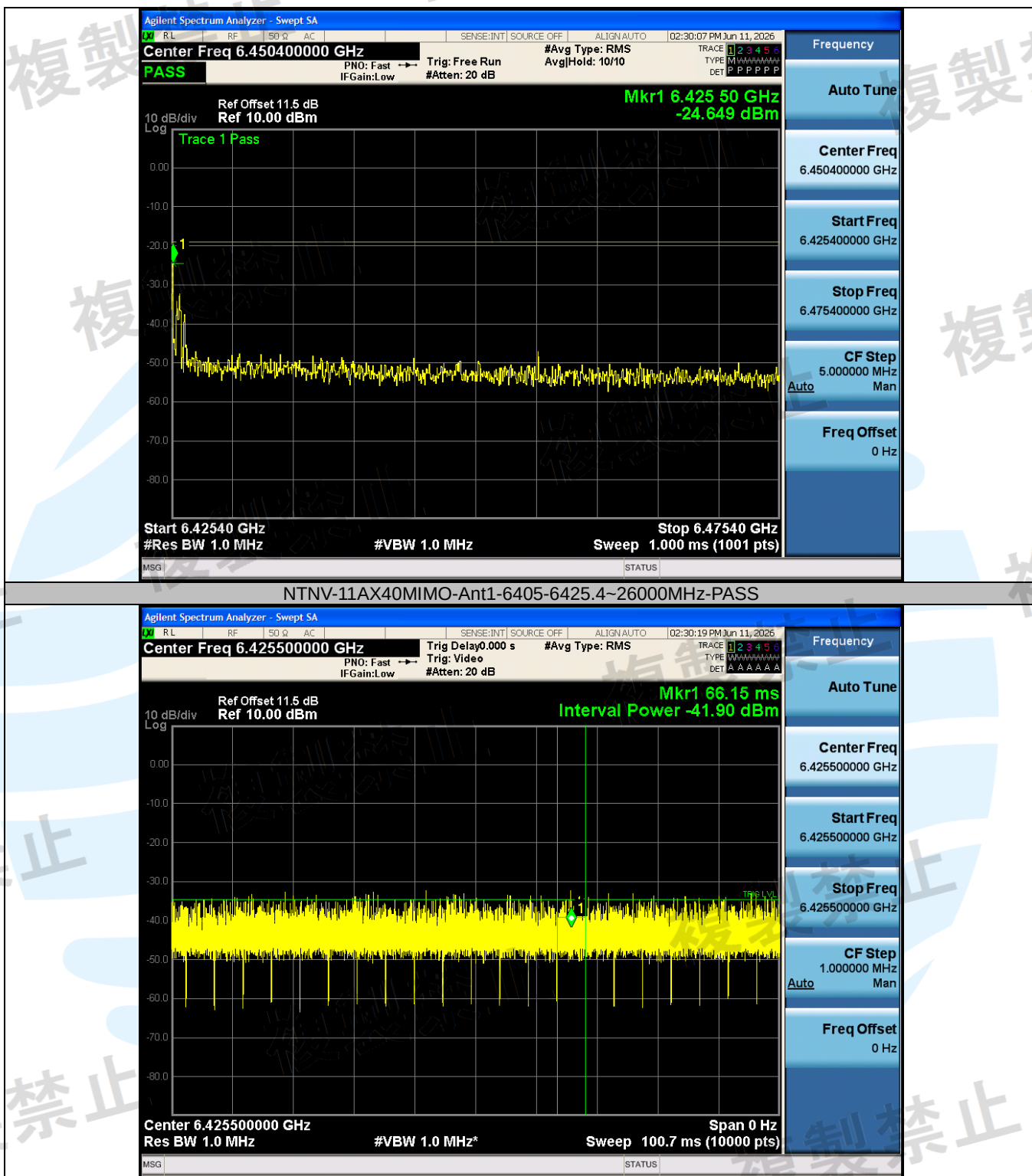
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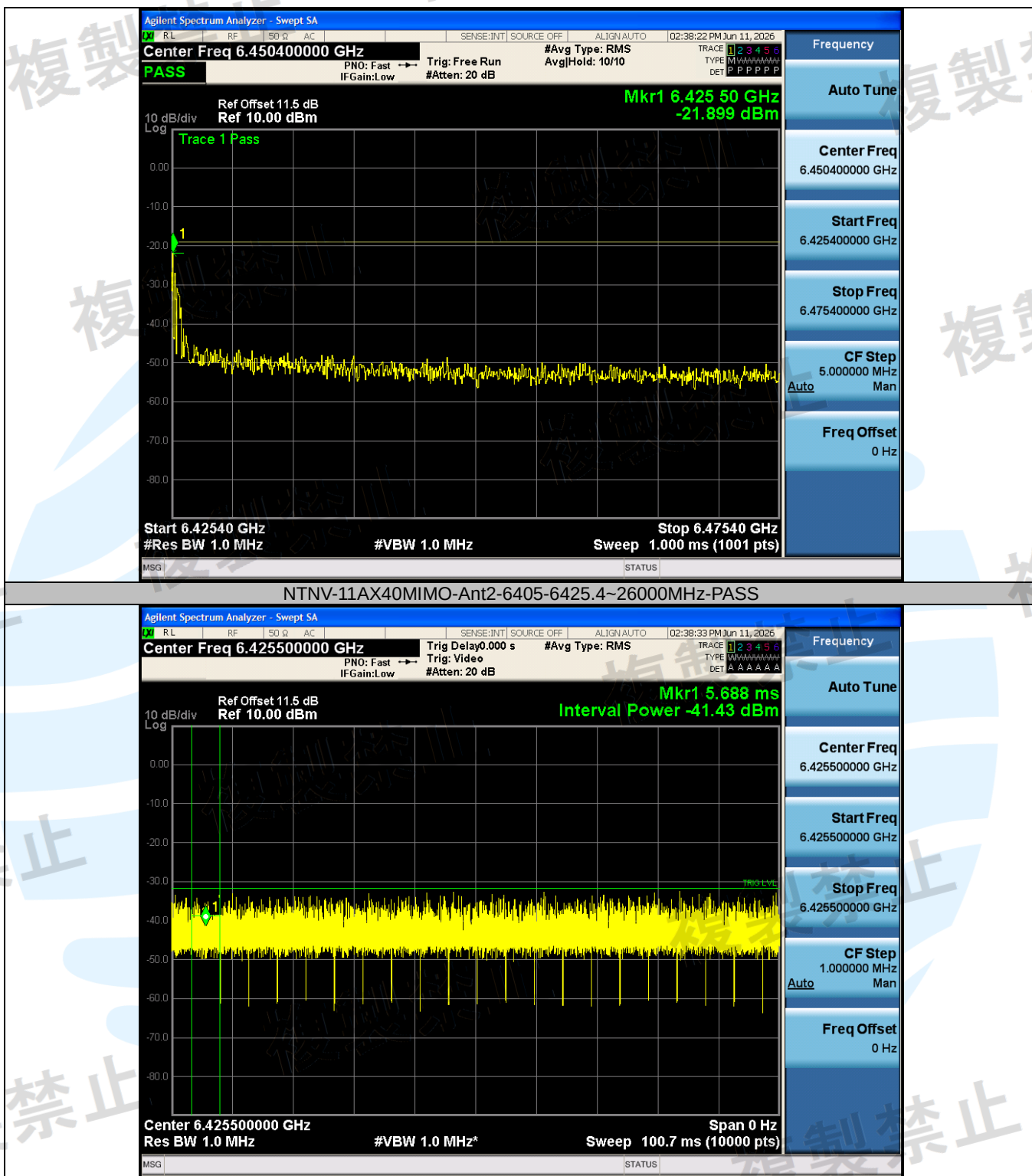
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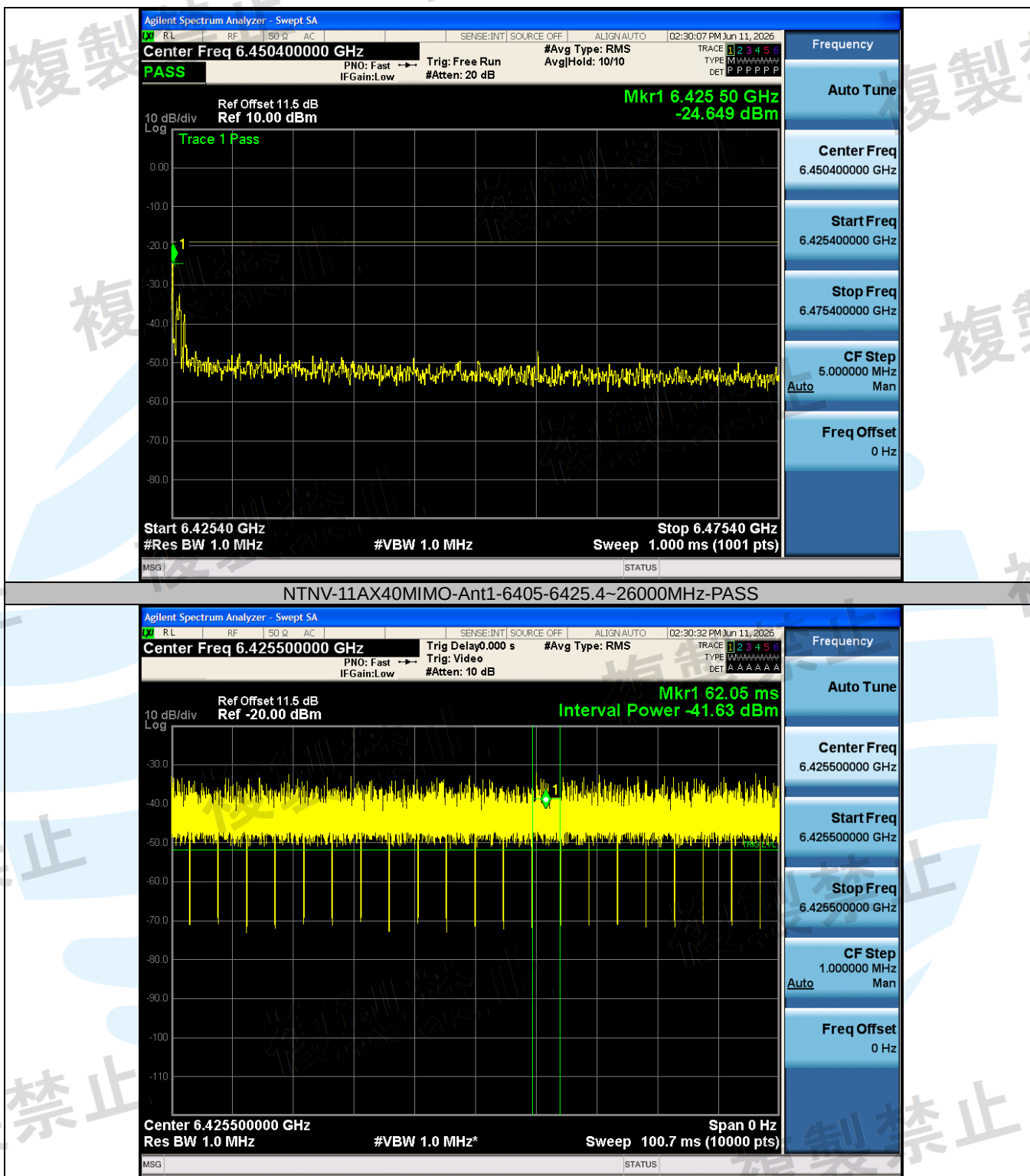
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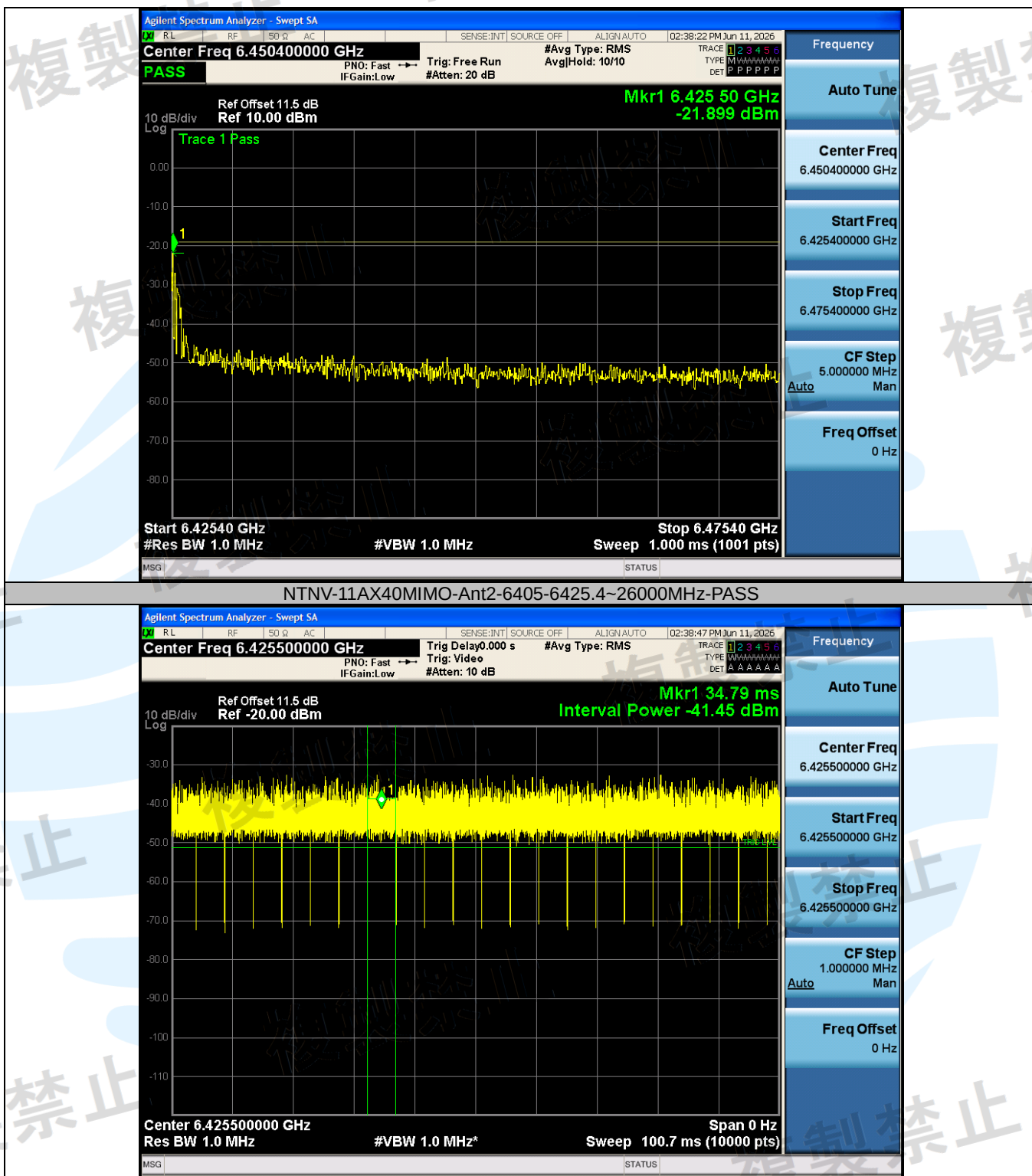
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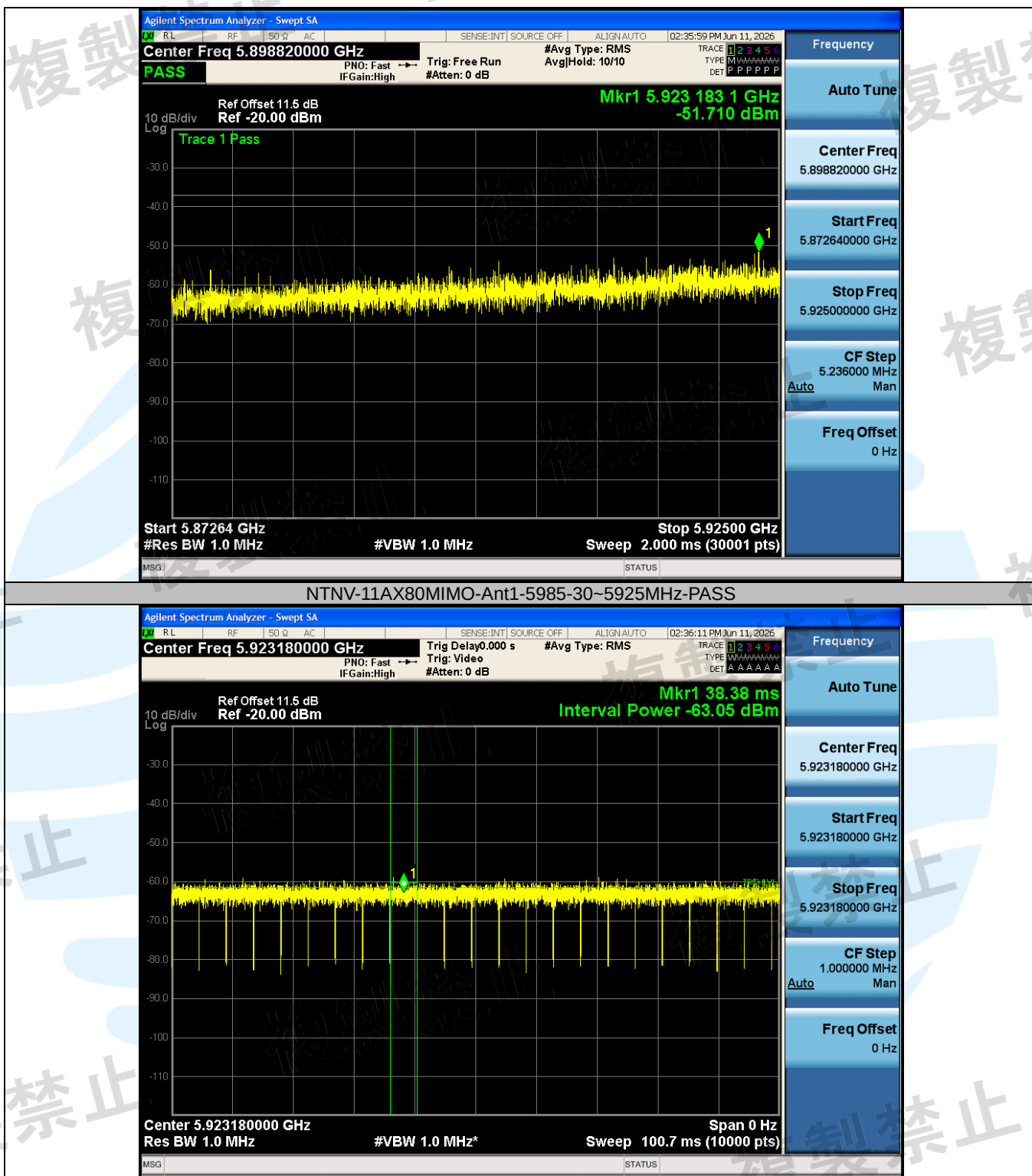
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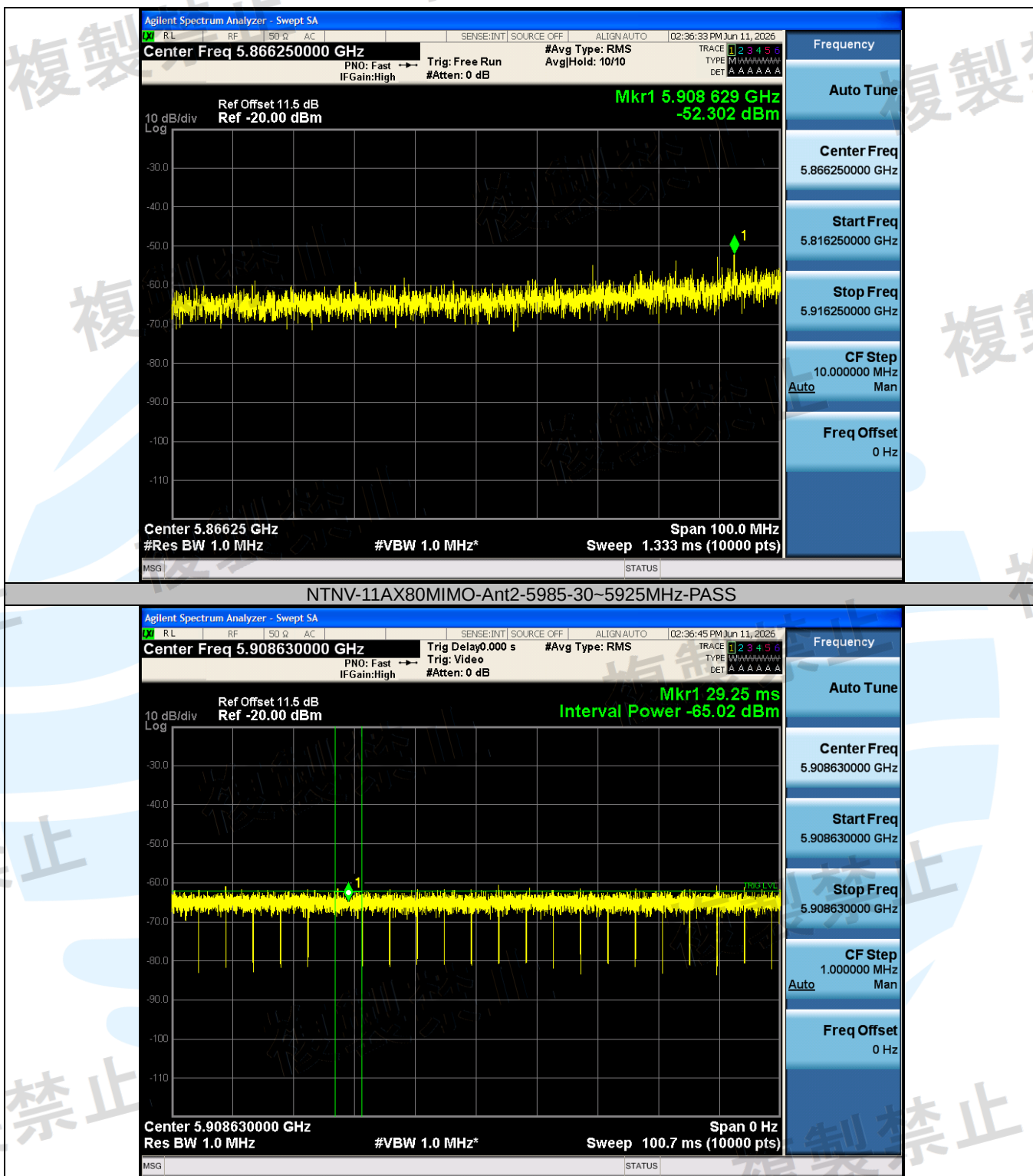
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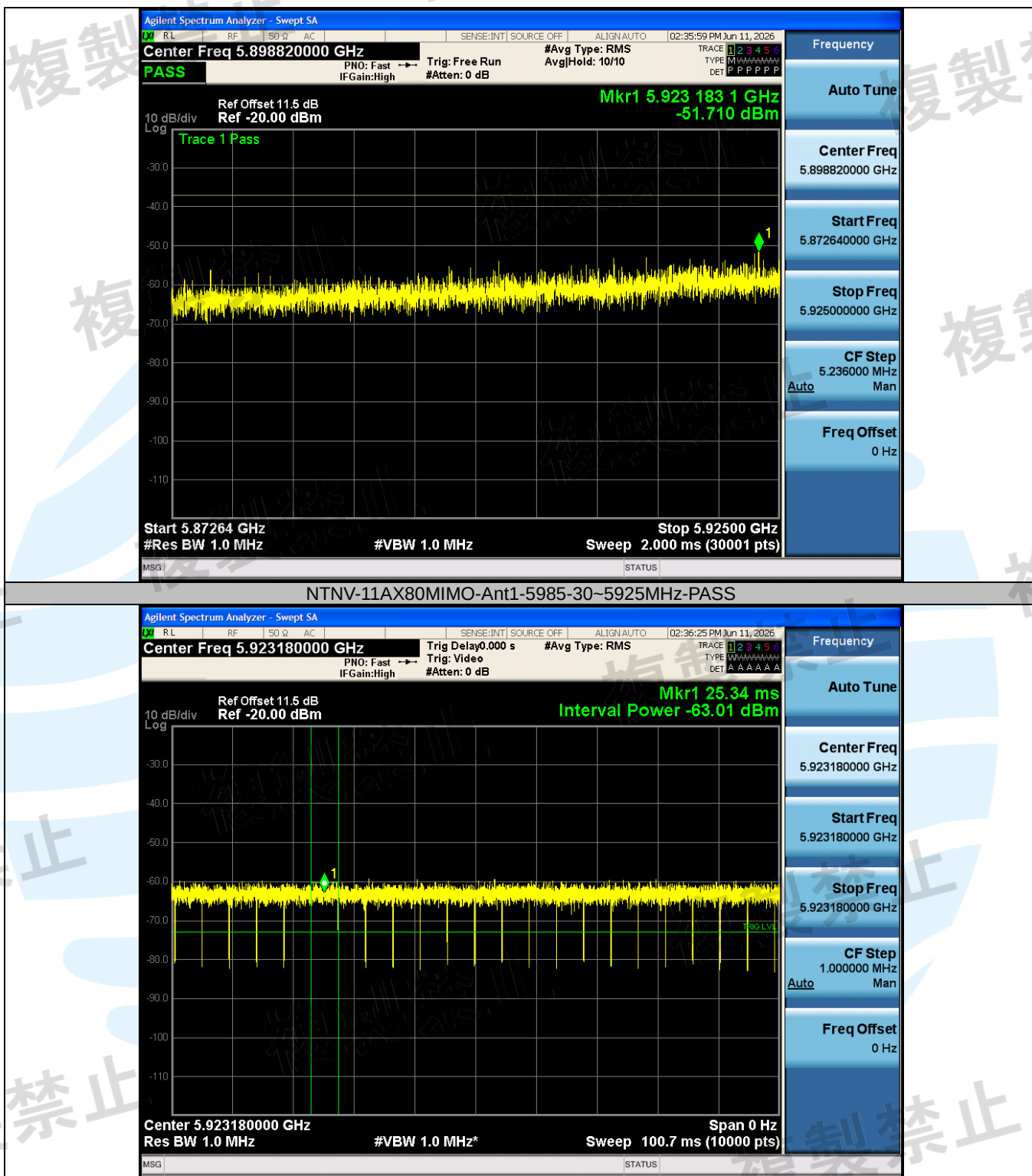
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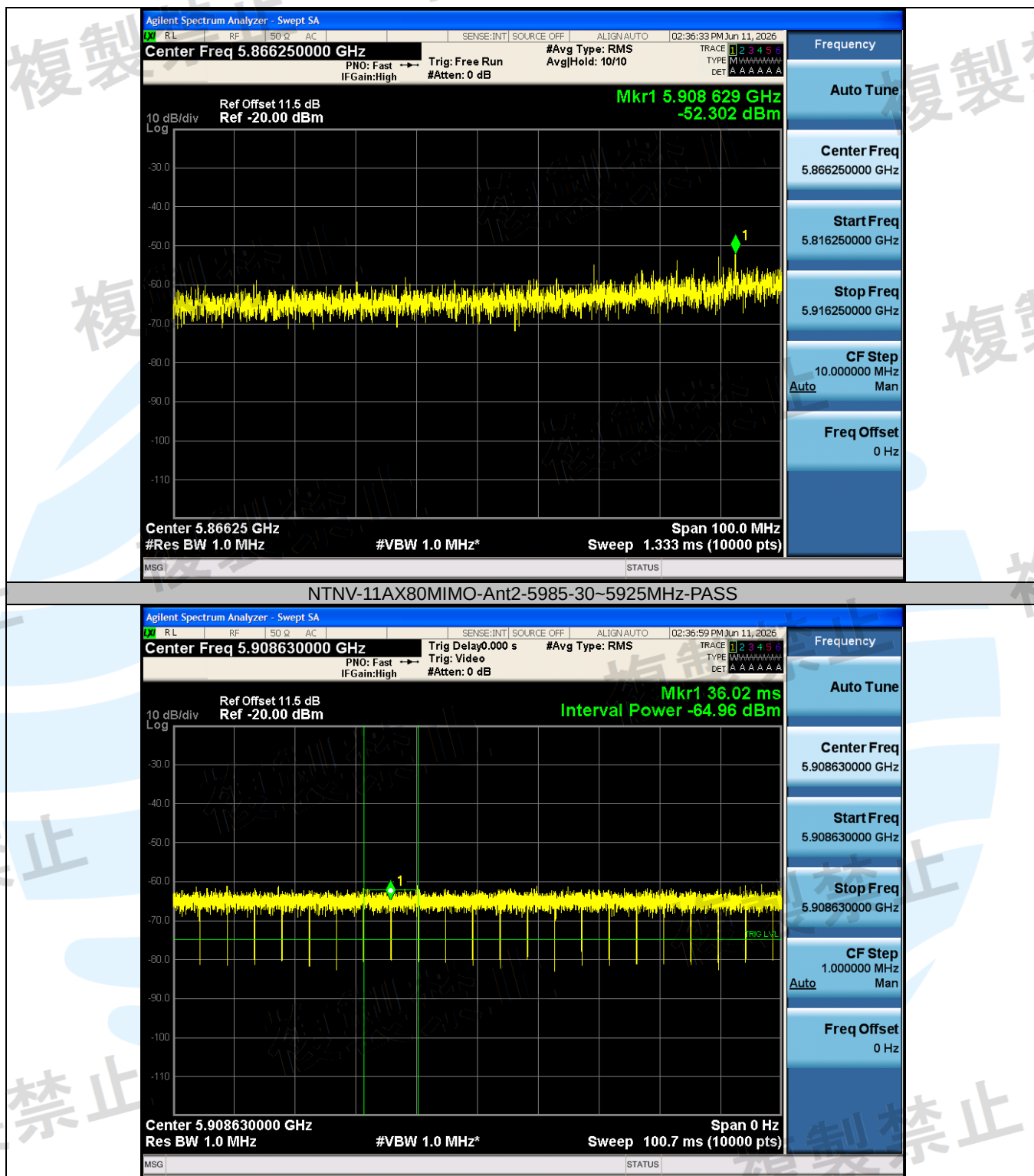
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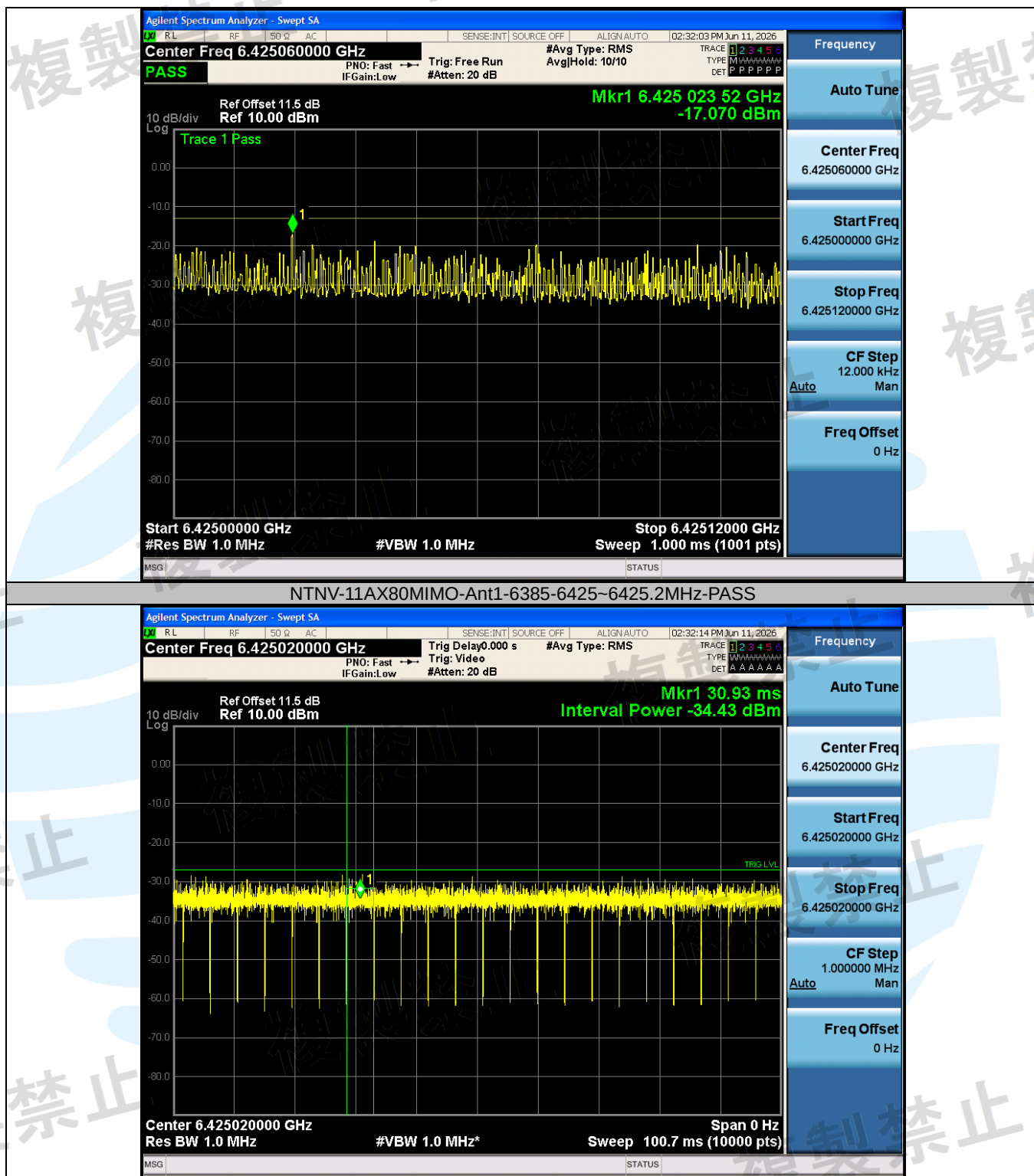
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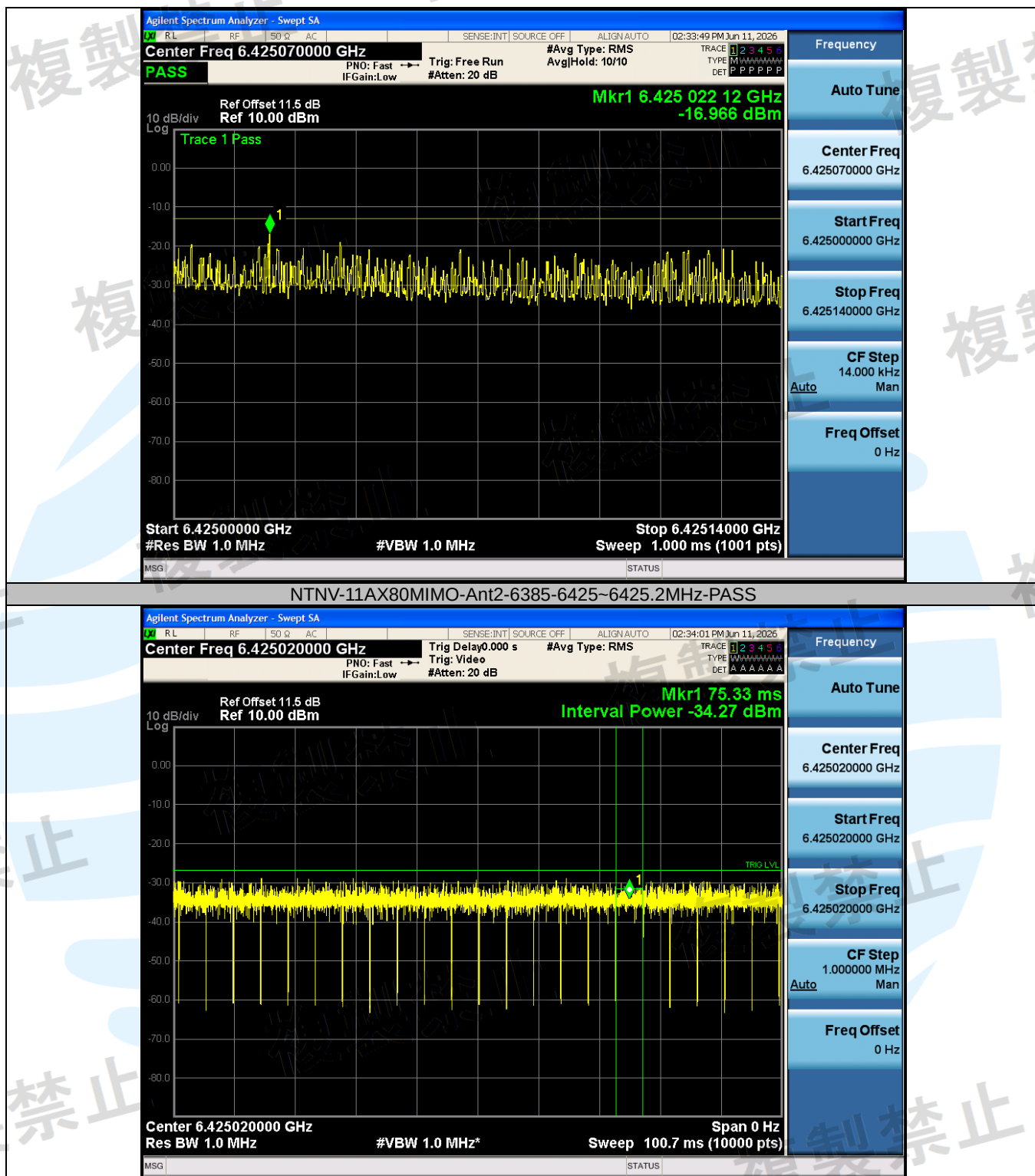
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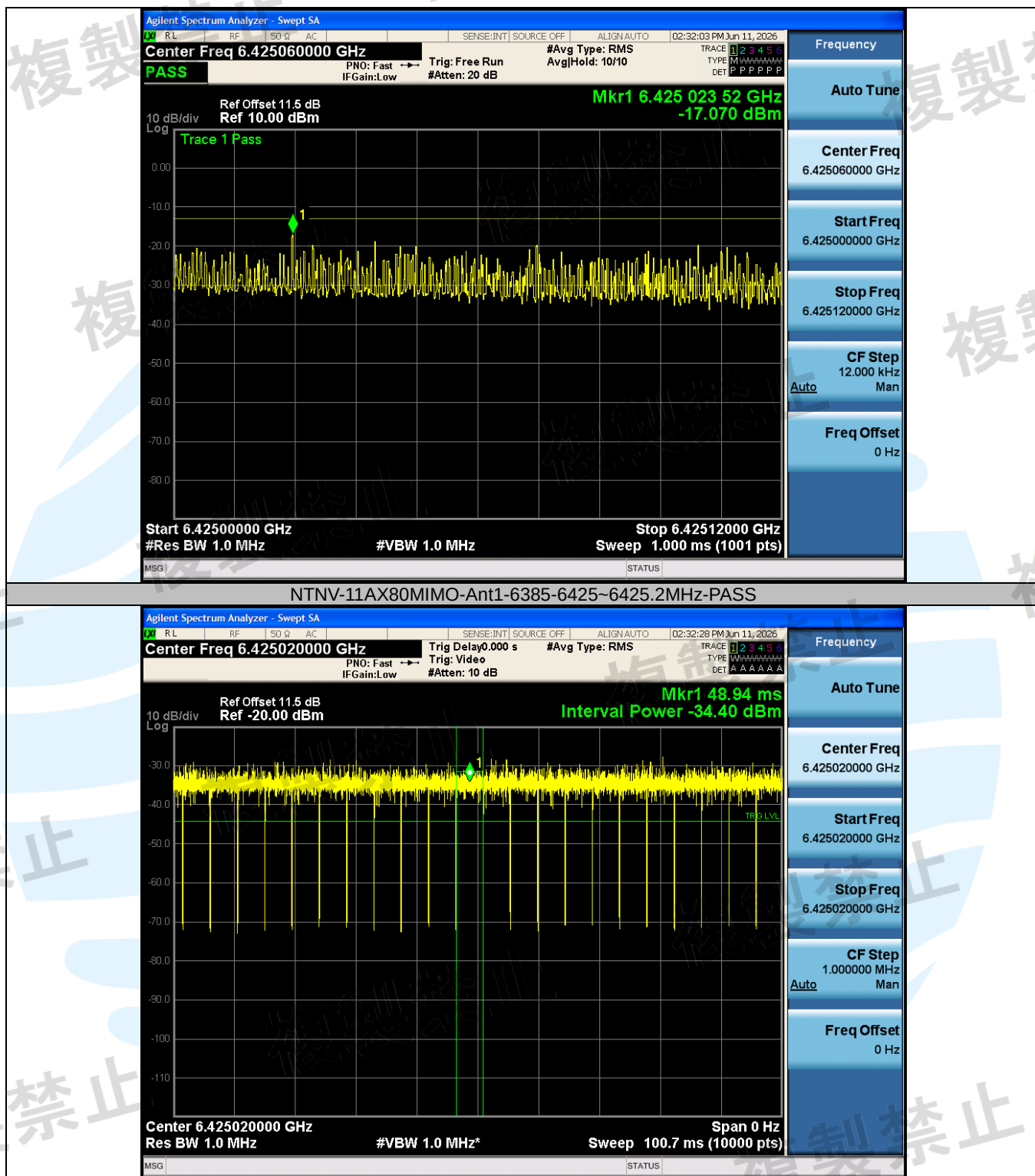
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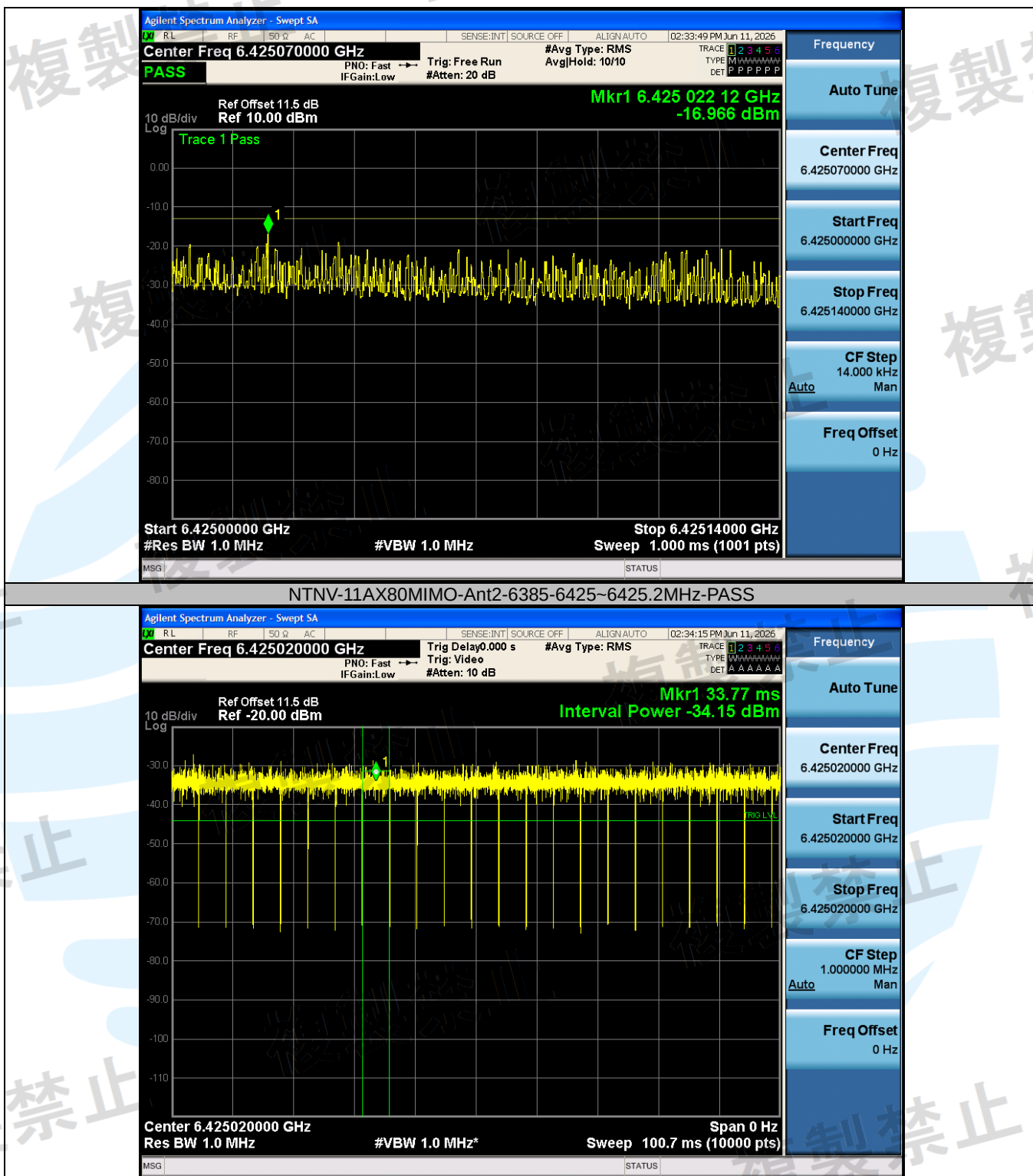
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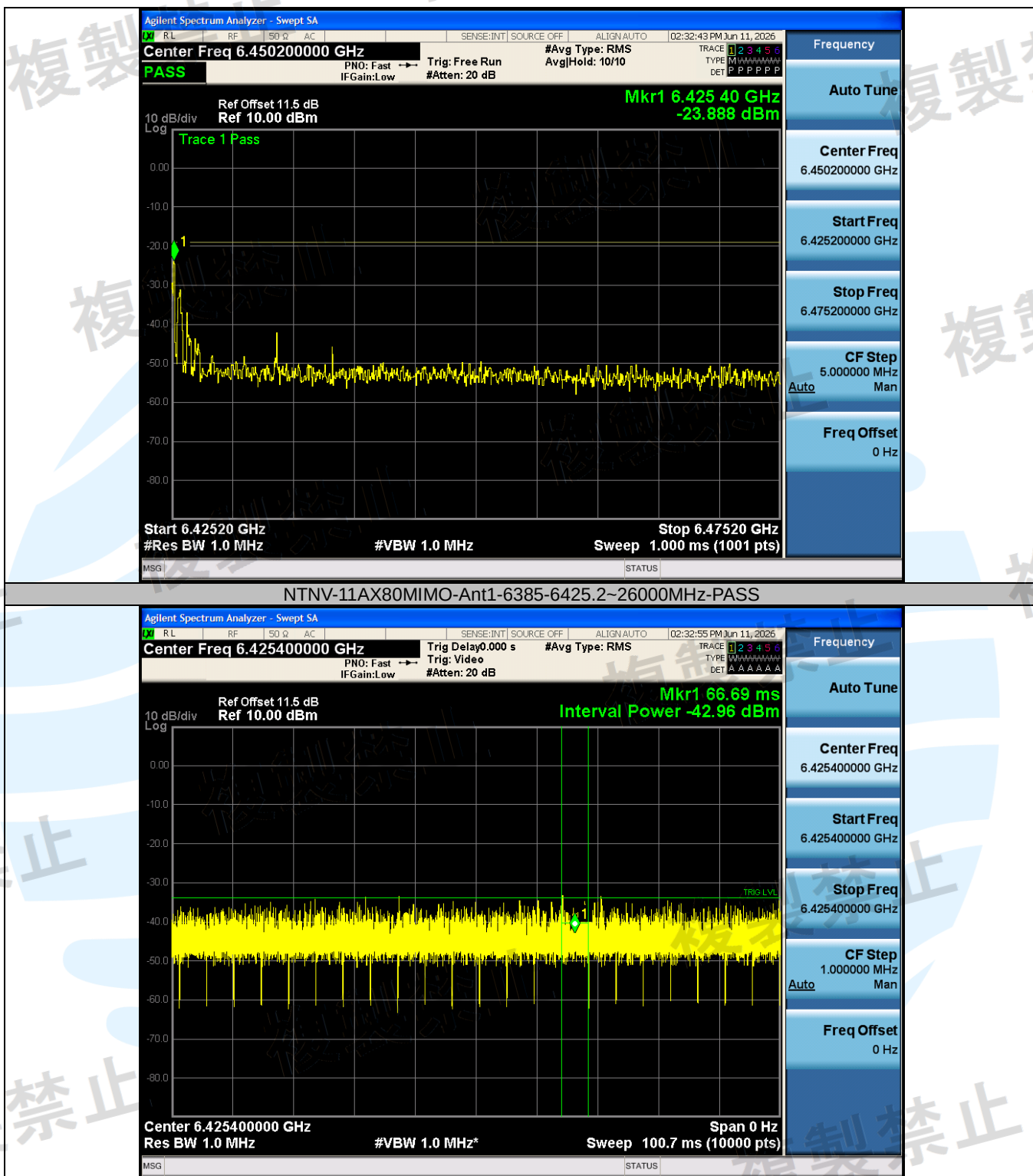
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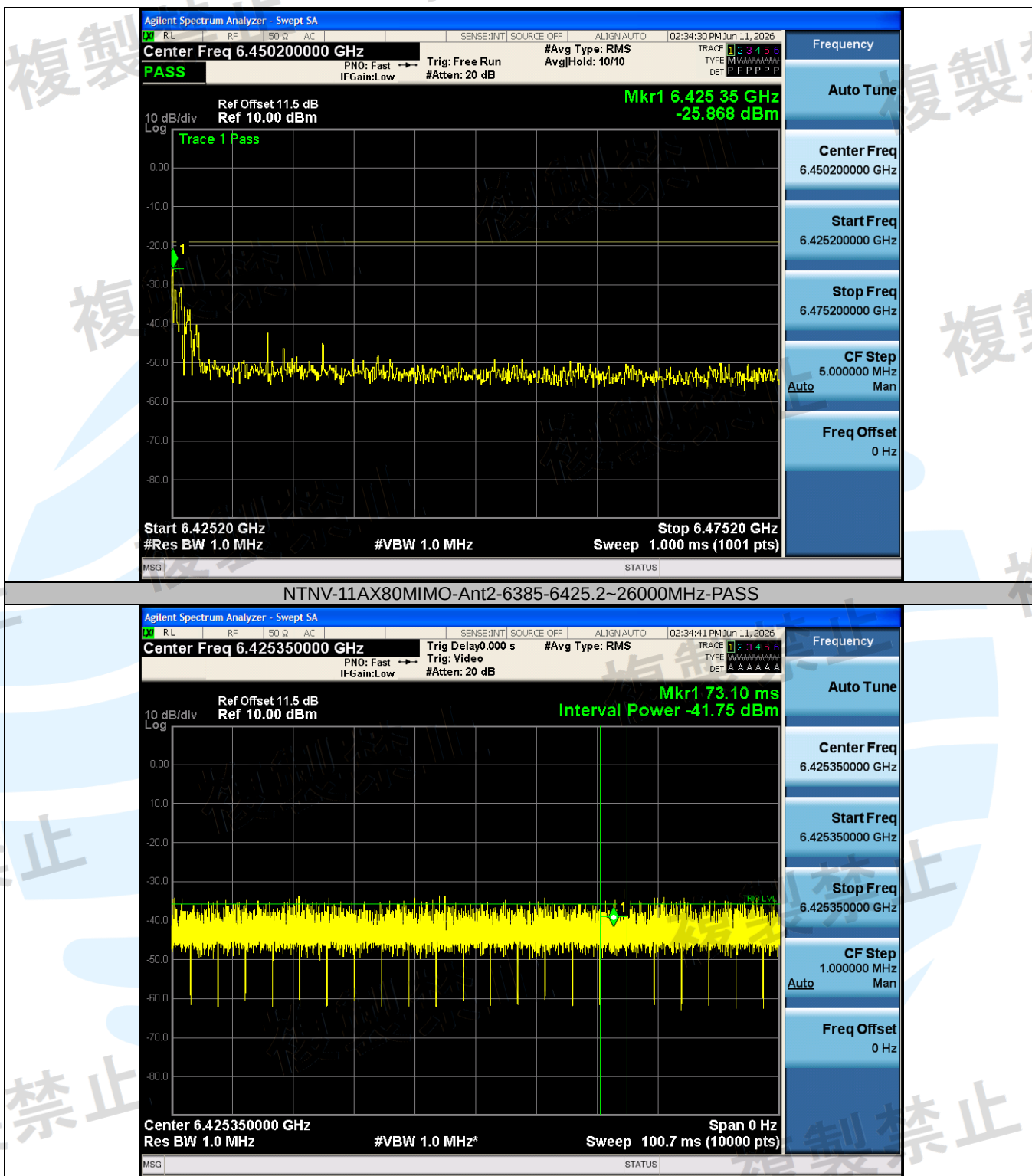
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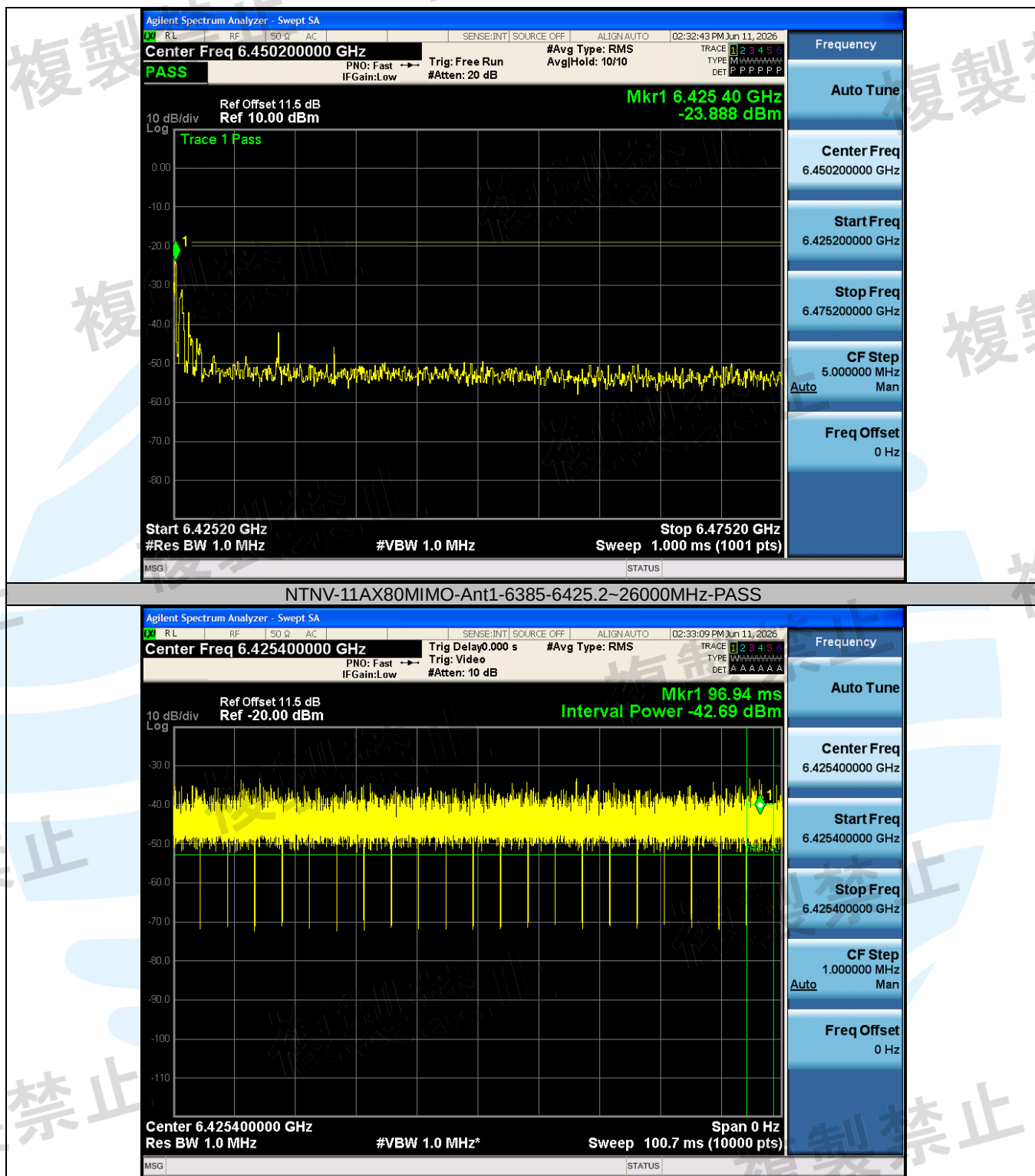
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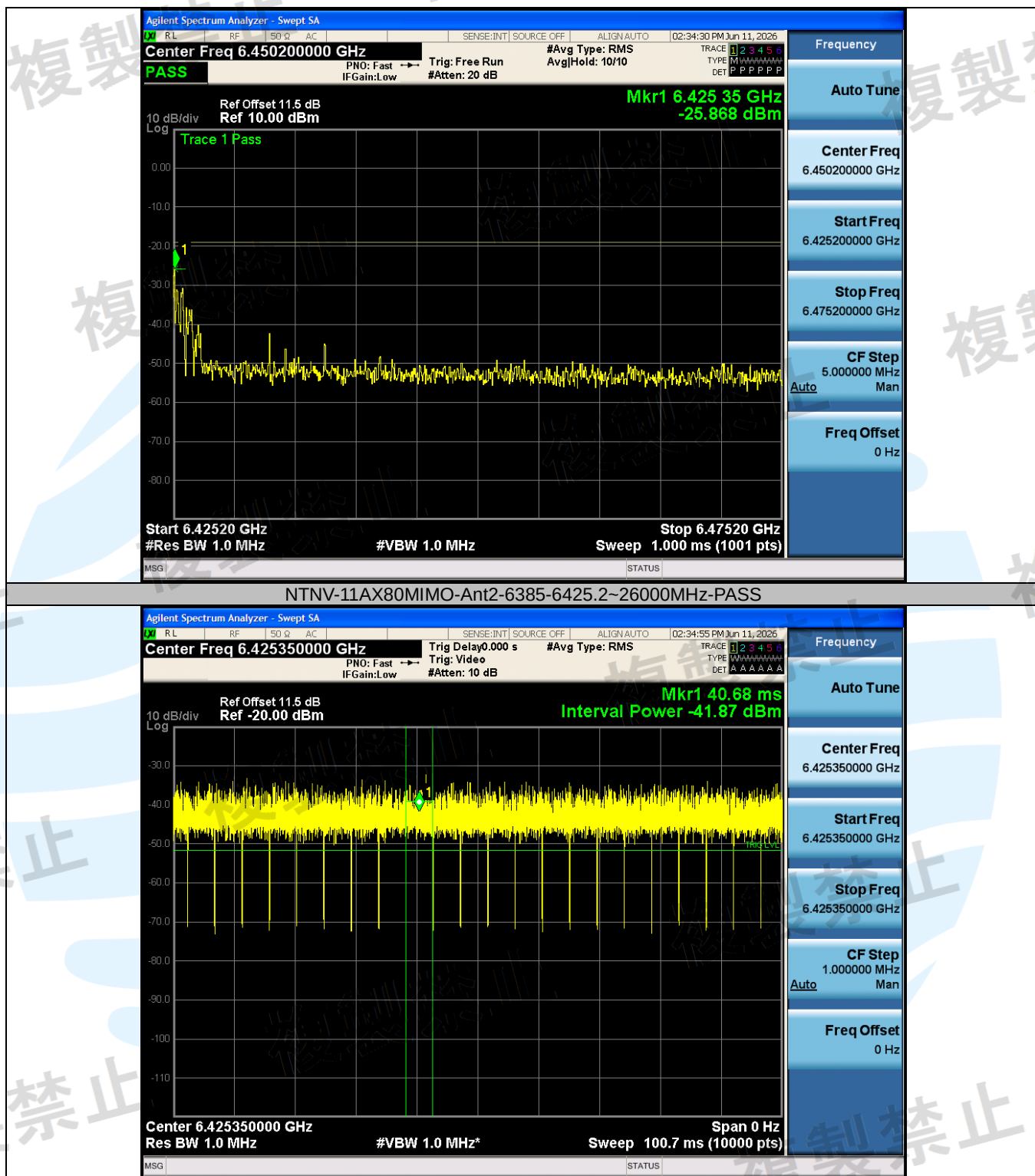
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5.6 ANTENNA POWER & EIRP

5.6.1 Limit

Items		Technical Requirement				
		20MHz System	40MHz System	80MHz System	160MHz System	320MHz System
Antenna Power		10mW/MHz	5mW/MHz	2.5mW/MHz	1.25mW/MHz	0.625mW/MHz
Antenna Power Tolerance		+20%~-80%				
E.I.R.P.	VLP :	$\leq 25\text{mW}$				
		1.25mW/MHz	0.625mW/MHz	0.3125mW/MHz	0.15625W/MHz	0.078125W/MHz
	LPI :	$25\text{mW} <, \leq 200\text{mW}$				
		10mW/MHz	5mW/MHz	2.5mW/MHz	1.25mW/MHz	0.625mW/MHz

5.6.2 Test Setup

Refer to section 4.5 for details.

5.6.3 Instruments Used

Refer to section 3 for details

5.6.4 Test Procedures

1. A power meter is connected on the IF output port of the spectrum analyzer.
2. Adjust the spectrum analyzer to have the center frequency the same with the measured carrier.
RBW=VBW=1MHz, detector mode is positive peak. Turn off the averaging function and use zero span.
3. The calibrating signal power shall be reduced to 0 dBm and it shall be verified that the power meter reading also reduces by 10 dB.
4. Connect the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operating frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averaging: off; span: 3 times the spectrum width; amplitude: adjust for middle of the instrument's range. The frequency found shall be recorded.
5. Set the center frequency of the spectrum analyzer to the found frequency and switch to zero span. The power meter indicates the measured power density "E".
6. Remove the EUT and put the replacing standard signal generator (SSG). Set the standard signal generator (SSG) at same frequency and transmit on, then set SSG output power at Pt to give the equivalent output level of "E".
7. Calculate antenna power density by the formula below $PD = Pt + 10 \cdot \log(1/x)$.
x: The duty cycle of the EUT in continuously transmitting mode
Pt: Output power of the SSG
8. Antenna Power Error is definition that actual measure antenna power tolerance between + 20% to - 80% power range that base on manufacturer declare the conducted power density.

5.6.5 Test Result

Antenna Power_VN

Mode	Channel/ Freq.	RU & Index	Antenna power density (mW/MHz)			Tolerance (%)			Rated power (mW/MHz)		Limit	Verdict
	(MHz)		Ant. 1	Ant. 2	Total	Ant. 1	Ant. 2	Total	Ant. 1 or Ant. 2	Total	(mW/MHz)	
IEEE 802.11ax-HE20	1/ 5955	SU	0.1602	0.1049	0.2651	0.12	-34.41	-17.14	0.16 (-80%~+20%)	0.32 (-80%~+20%)	10	Pass
	45/ 6175	SU	0.1441	0.0884	0.2325	-9.93	-44.75	-27.34				Pass
	93/ 6415	SU	0.1460	0.1476	0.2936	-8.72	-7.76	-8.24				Pass
IEEE 802.11ax-HE40	3/ 5965	SU	0.0684	0.0506	0.1189	-5.68	-30.27	-17.97	0.0725 (-80%~+20%)	0.145 (-80%~+20%)	5	Pass
	43/ 6165	SU	0.0519	0.0357	0.0876	-28.48	-50.70	-39.59				Pass
	91/ 6405	SU	0.0725	0.0736	0.1461	-0.03	1.54	0.76				Pass
IEEE 802.11ax-HE80	7/ 5985	SU	0.0328	0.0182	0.0510	1.02	-44.02	-21.50	0.0325 (-80%~+20%)	0.065 (-80%~+20%)	2.5	Pass
	39/ 6145	SU	0.0284	0.0192	0.0477	-12.54	-40.81	-26.68				Pass
	87/ 6385	SU	0.0287	0.0266	0.0553	-11.72	-18.23	-14.97				Pass

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Radiated antenna power

Mode	Channel/ Freq.	RU & Index	Antenna Gain (dBi)		Radiated RF output power density (mW/MHz)			Limit	Verdict
	(MHz)		Ant. 1	Ant. 2	Ant. 1	Ant. 2	Total	(mW/MHz)	
IEEE 802.11ax-HE20	1/ 5955	SU	2.76	1.02	0.3024	0.1327	0.50	1.25	Pass
	45/ 6175	SU			0.2721	0.1118	0.44		Pass
	93/ 6415	SU			0.2757	0.1867	0.55		Pass
IEEE 802.11ax-HE40	3/ 5965	SU	2.76	1.02	0.1291	0.0639	0.22	0.625	Pass
	43/ 6165	SU			0.0979	0.0452	0.17		Pass
	91/ 6405	SU			0.1368	0.0931	0.28		Pass
IEEE 802.11ax-HE80	7/ 5985	SU	2.76	1.02	0.0620	0.0230	0.10	0.3125	Pass
	39/ 6145	SU			0.0537	0.0243	0.09		Pass
	87/ 6385	SU			0.0542	0.0336	0.10		Pass

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5.7 TRANSMISSION BURST LENGTH

5.7.1 Limit

8ms or less

5.7.2 Test Setup

Refer to section 4.5 for details.

5.7.3 Instruments Used

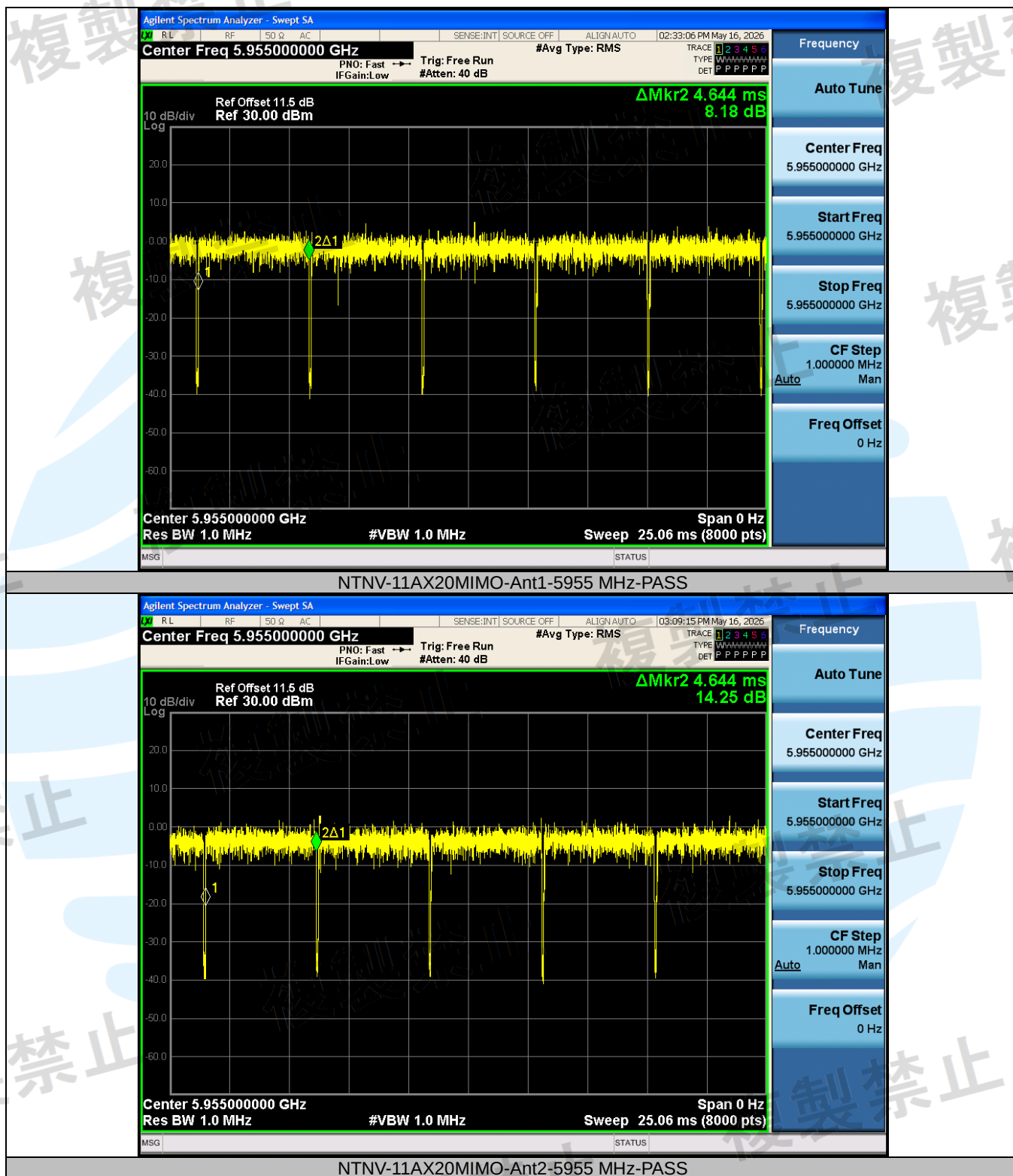
Refer to section 3 for details

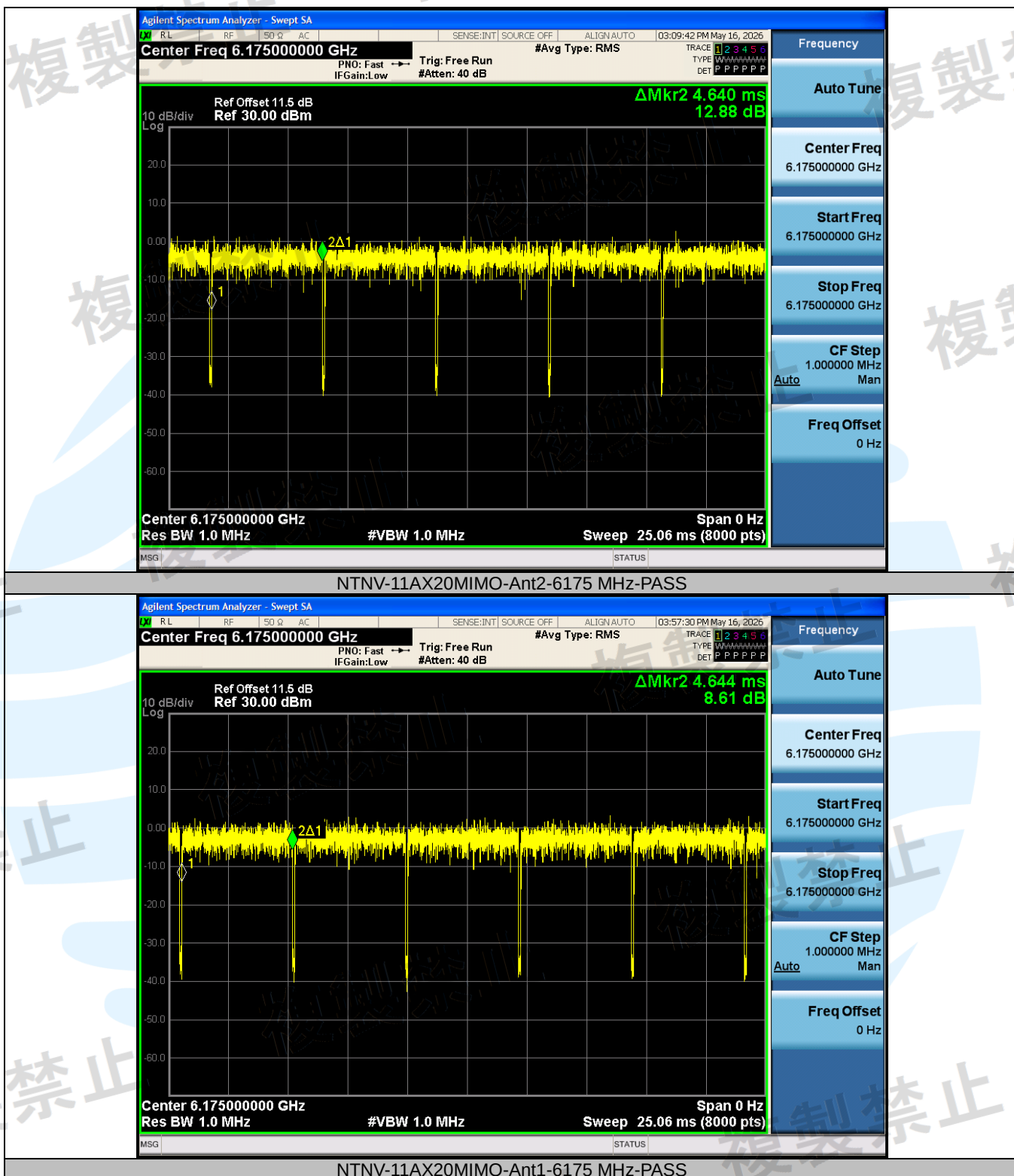
5.7.4 Test Procedures

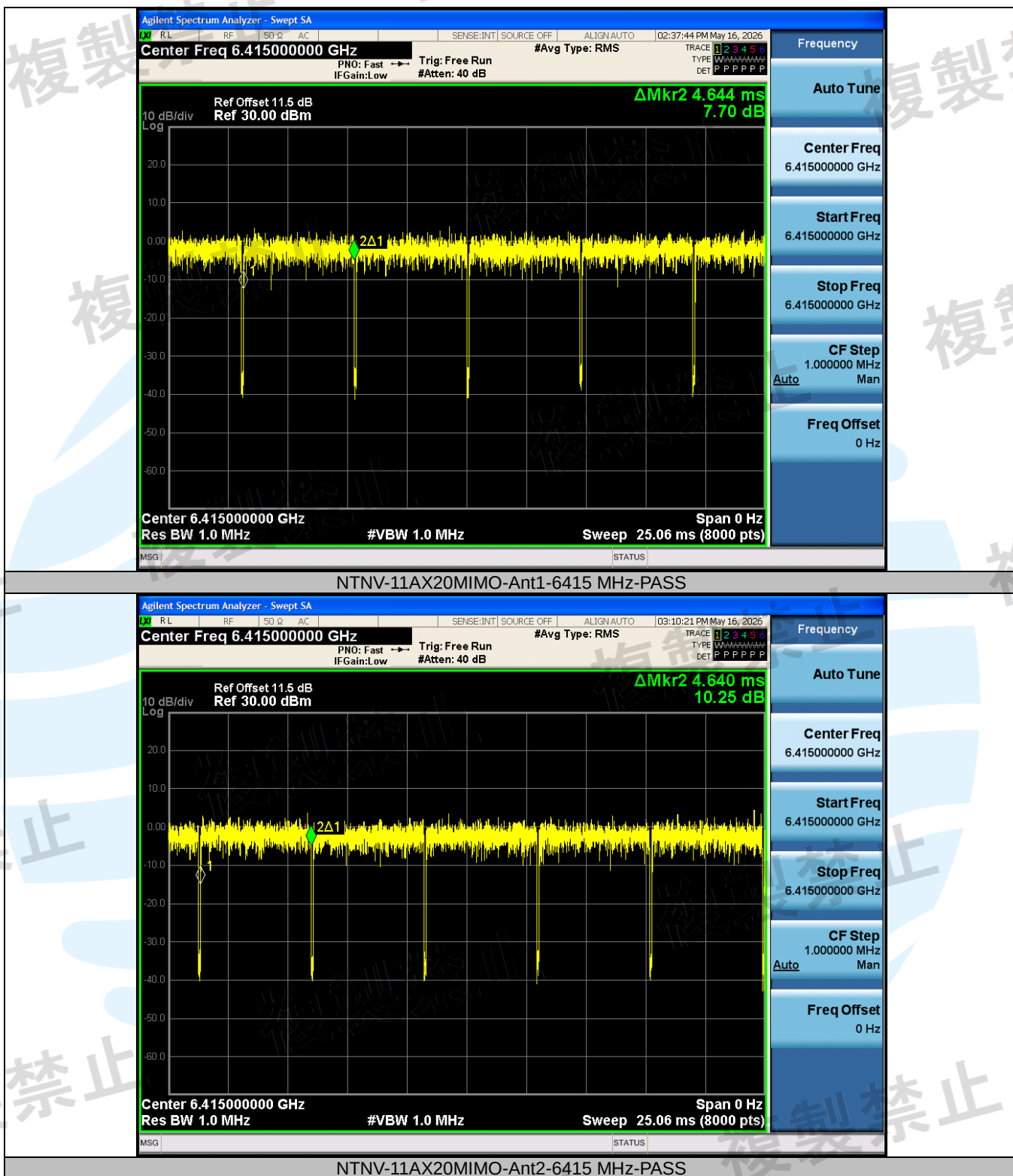
1. EUT have transmitted the maximum power and fixed channelize.
2. Setting of SA is following as: RBW: 10MHz / VBW: 10MHz / Zero Span / Detect mode: Positive peak / Trace mode: Clear Write / Single sweep
3. Use marker function to fine maximum burst length, and the length should be less than 8msec.

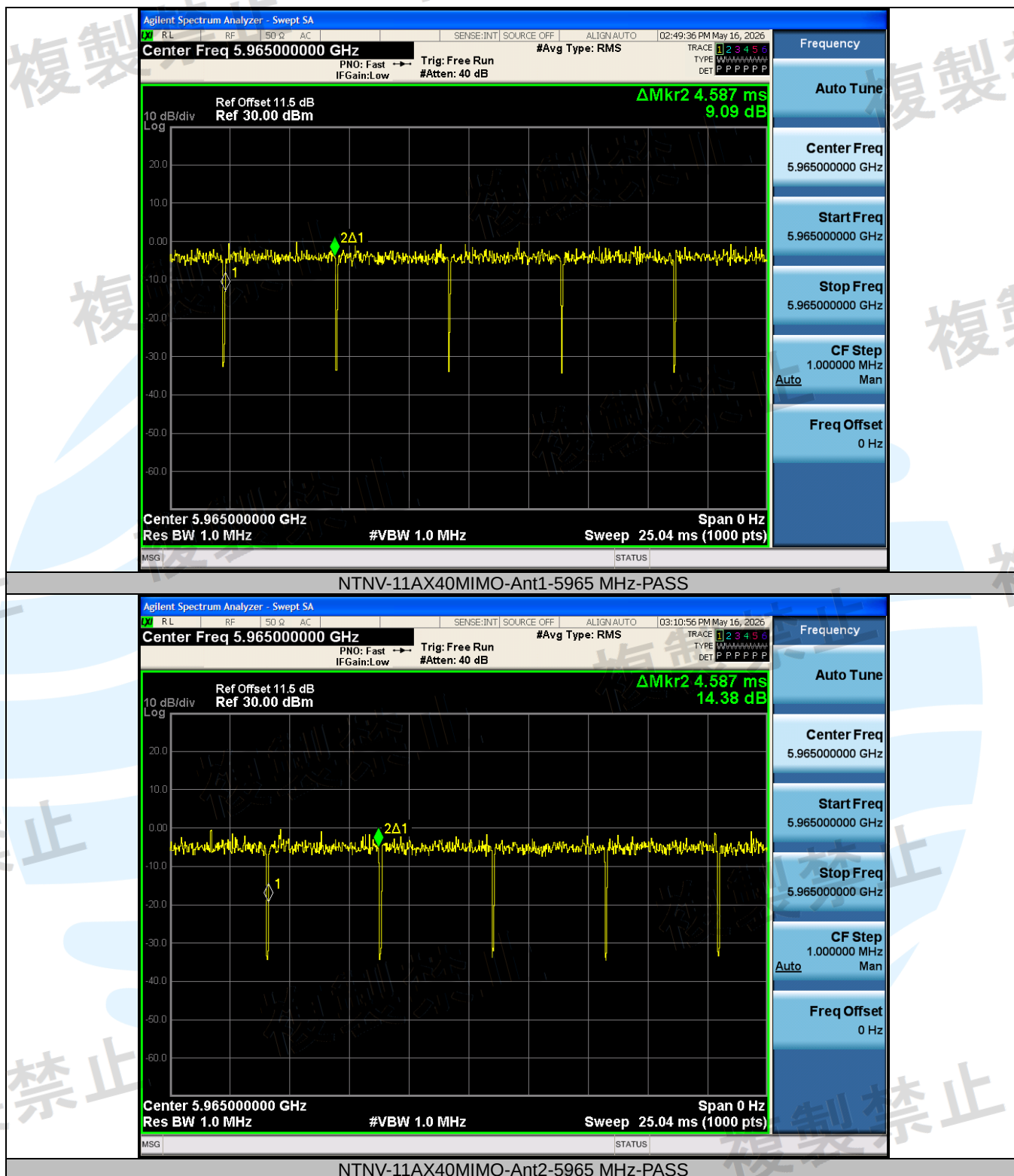
5.7.5 Test Result

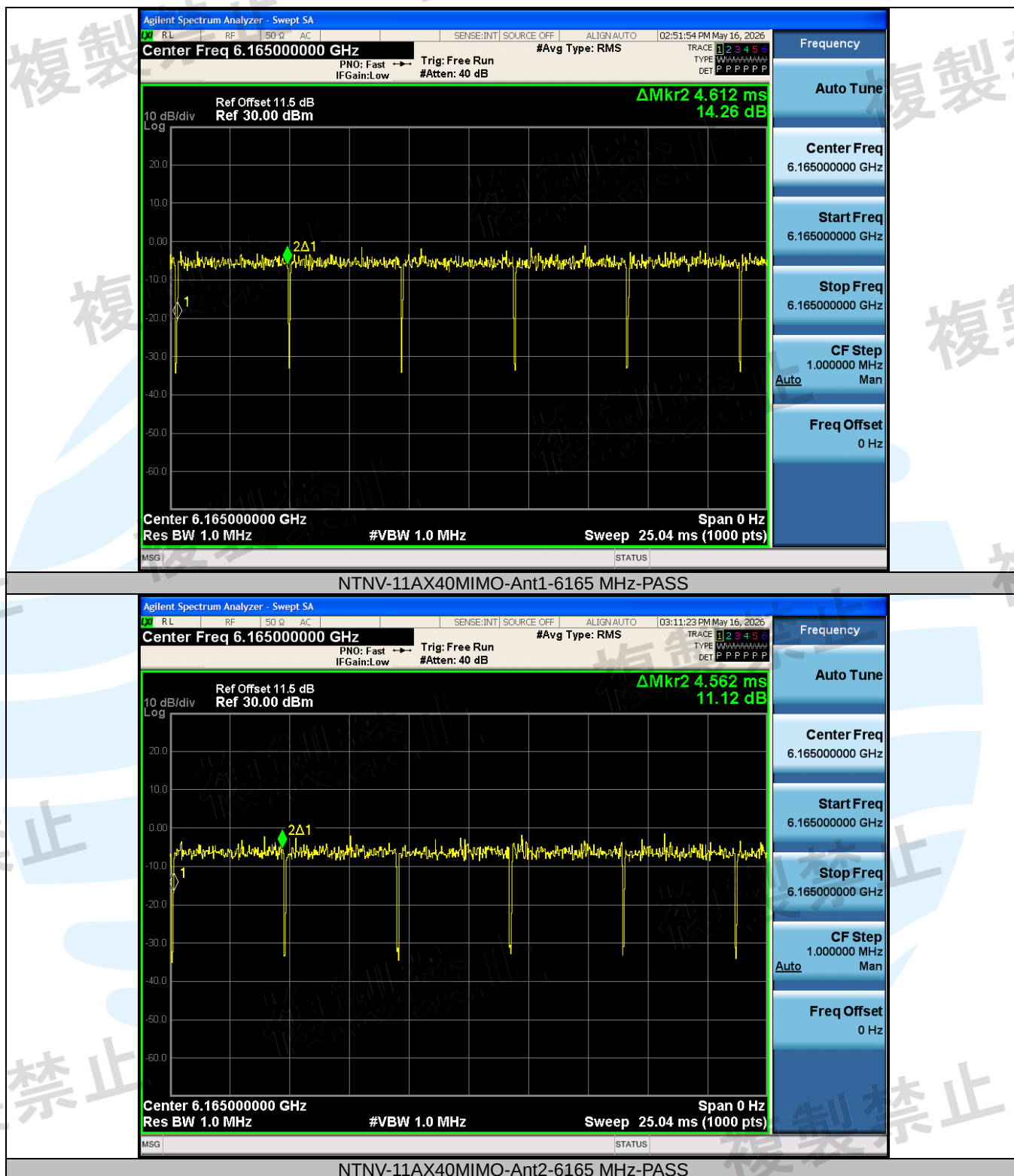
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [ms]	Limit [ms]	Verdict
NTNV	11AX20MIMO	Ant1	5955	4.64	≤8	PASS
NTNV	11AX20MIMO	Ant2	5955	4.64	≤8	PASS
NTNV	11AX20MIMO	Ant2	6175	4.64	≤8	PASS
NTNV	11AX20MIMO	Ant1	6175	4.64	≤8	PASS
NTNV	11AX20MIMO	Ant1	6415	4.64	≤8	PASS
NTNV	11AX20MIMO	Ant2	6415	4.64	≤8	PASS
NTNV	11AX40MIMO	Ant1	5965	4.59	≤8	PASS
NTNV	11AX40MIMO	Ant2	5965	4.59	≤8	PASS
NTNV	11AX40MIMO	Ant1	6165	4.61	≤8	PASS
NTNV	11AX40MIMO	Ant2	6165	4.56	≤8	PASS
NTNV	11AX40MIMO	Ant1	6405	4.59	≤8	PASS
NTNV	11AX40MIMO	Ant2	6405	4.59	≤8	PASS
NTNV	11AX80MIMO	Ant1	5985	4.39	≤8	PASS
NTNV	11AX80MIMO	Ant2	5985	4.36	≤8	PASS
NTNV	11AX80MIMO	Ant1	6145	4.36	≤8	PASS
NTNV	11AX80MIMO	Ant2	6145	4.36	≤8	PASS
NTNV	11AX80MIMO	Ant1	6385	4.36	≤8	PASS
NTNV	11AX80MIMO	Ant2	6385	4.36	≤8	PASS

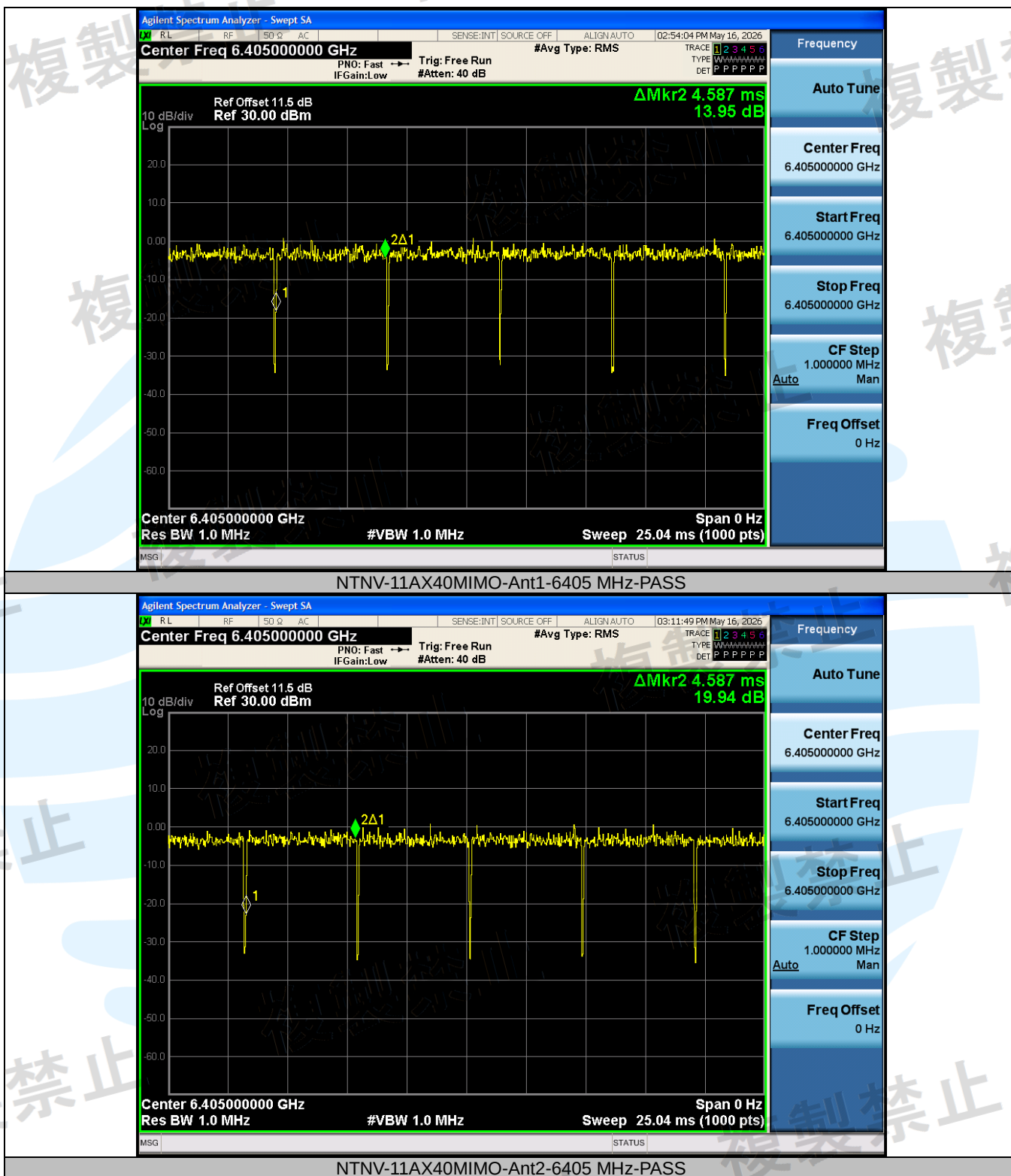


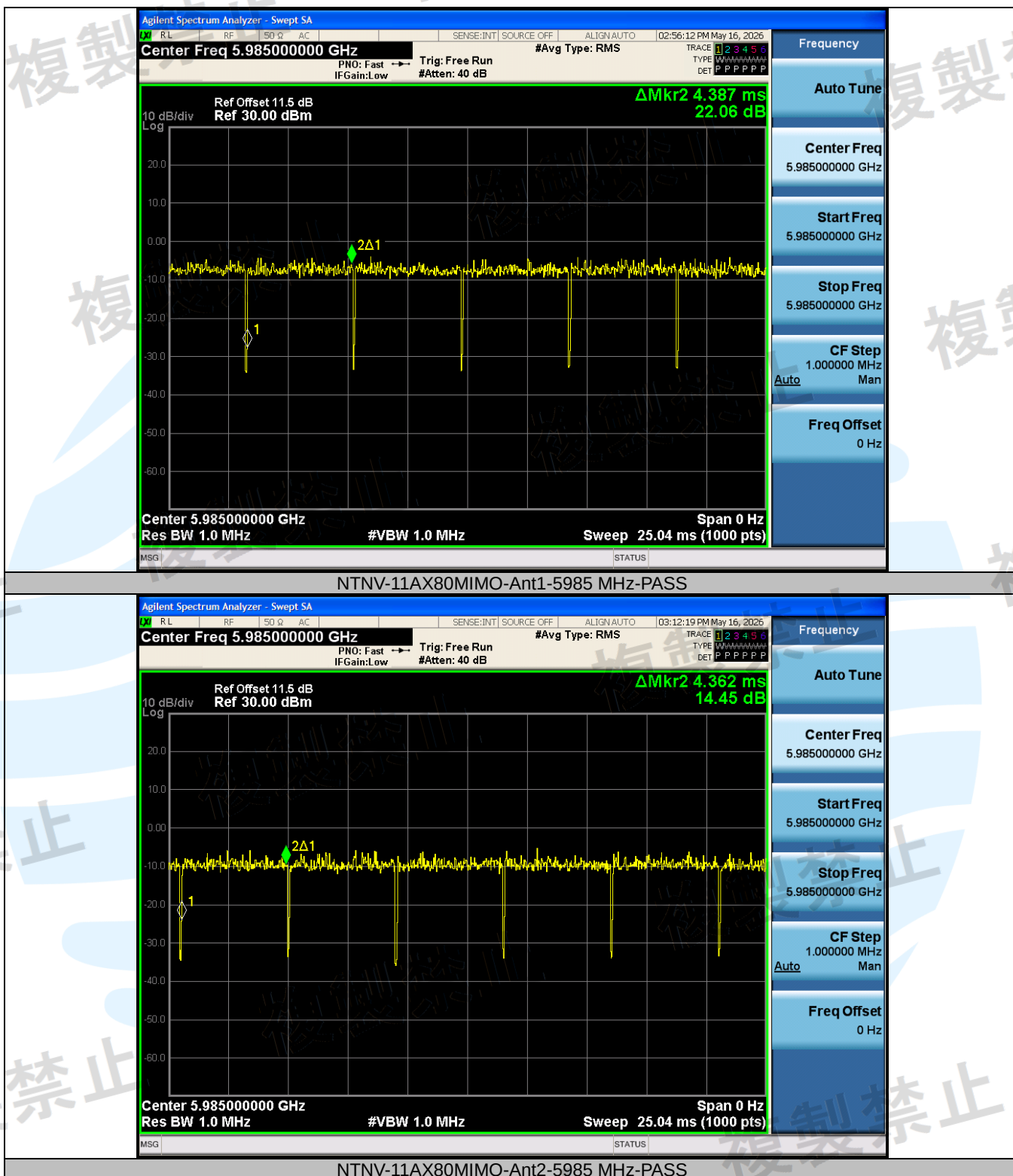












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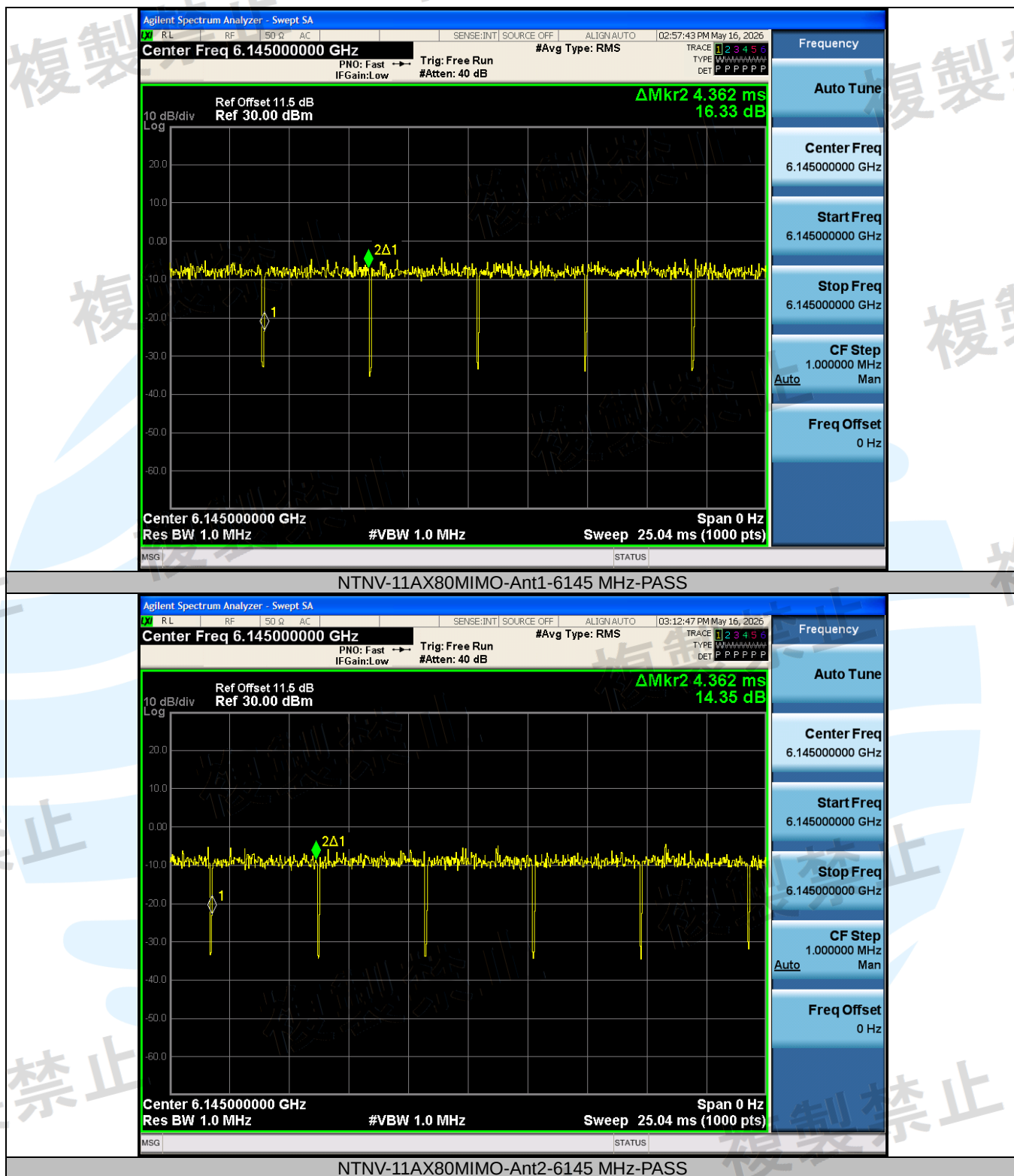
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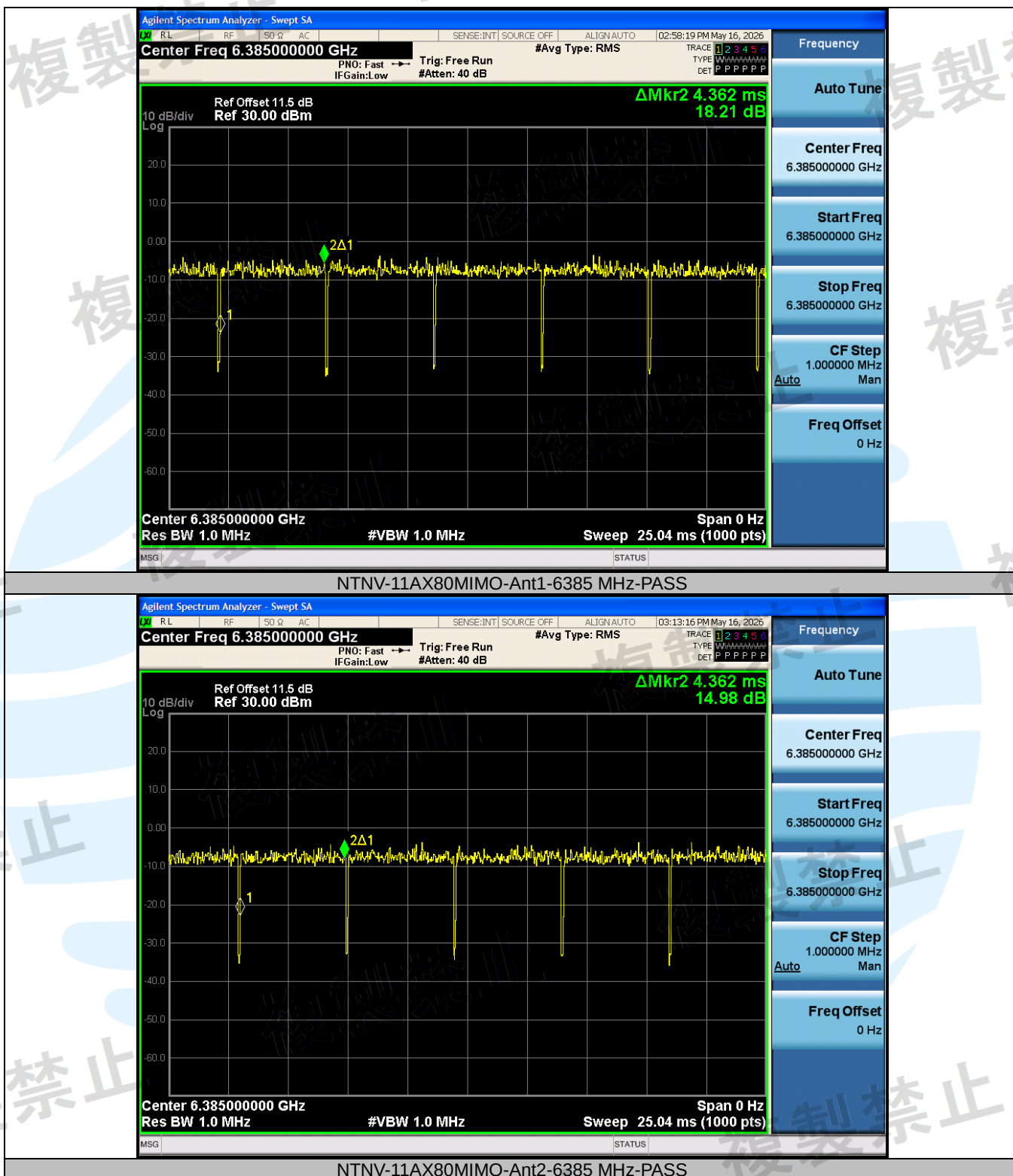
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5.8 ADJACENT CHANNEL EMITTED POWER

5.8.1 Limit

20MHz System	40MHz System	80MHz System	160MHz System	320MHz System
$F_c \pm 20\text{MHz}$ $\pm 10\text{MHz BW} : -25\text{dBc}$	$F_c \pm 40\text{MHz}$ $\pm 20\text{MHz BW} : -25\text{dBc}$	$F_c \pm 80\text{MHz}$ $\pm 40\text{MHz BW} : -25\text{dBc}$	$F_c \pm 160\text{MHz}$ $\pm 80\text{MHz BW} : -25\text{dBc}$	$F_c \pm 320\text{MHz}$ $\pm 160\text{MHz BW} : -25\text{dBc}$
$F_c \pm 40\text{MHz}$ $\pm 10\text{MHz BW} : -40\text{dBc}$	$F_c \pm 80\text{MHz}$ $\pm 20\text{MHz BW} : -40\text{dBc}$	$F_c \pm 160\text{MHz}$ $\pm 40\text{MHz BW} : -40\text{dBc}$	$F_c \pm 320\text{MHz}$ $\pm 80\text{MHz BW} : -40\text{dBc}$	

5.8.2 Test Setup

Refer to section 4.5 for details.

5.8.3 Instruments Used

Refer to section 3 for details

5.8.4 Test Procedures

1. EUT have transmitted the maximum power and fixed channelize.
2. Setting of SA is following as: RBW: 300kHz/ VBW:300kHz, Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Sample / Trace mode: Max hold.
3. Use ACP function and setting measuring bandwidth = specific bandwidth / correct measuring rang.
4. Recode the test result and it should be less than specific limit.

5.8.5 Test Result

Test Condition	Test Mode	Antenna	Channel	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11AX20MIMO	Ant1	5955	-40	-40.69	≤ -40	PASS
NTNV	11AX20MIMO	Ant2	5955	-40	-40.97	≤ -40	PASS
NTNV	11AX20MIMO	total	5955	-40	-40.83	≤ -40	PASS
NTNV	11AX20MIMO	Ant1	5955	-20	-31.46	≤ -25	PASS
NTNV	11AX20MIMO	Ant2	5955	-20	-31.56	≤ -25	PASS
NTNV	11AX20MIMO	total	5955	-20	-31.51	≤ -25	PASS
NTNV	11AX20MIMO	Ant1	5955	+20	-29.92	≤ -25	PASS
NTNV	11AX20MIMO	Ant2	5955	+20	-29.08	≤ -25	PASS
NTNV	11AX20MIMO	total	5955	+20	-29.47	≤ -25	PASS
NTNV	11AX20MIMO	Ant1	5955	+40	-41.26	≤ -40	PASS
NTNV	11AX20MIMO	Ant2	5955	+40	-41.37	≤ -40	PASS
NTNV	11AX20MIMO	total	5955	+40	-41.31	≤ -40	PASS
NTNV	11AX20MIMO	Ant1	6175	-40	-48.53	≤ -40	PASS
NTNV	11AX20MIMO	Ant2	6175	-40	-40.68	≤ -40	PASS
NTNV	11AX20MIMO	total	6175	-40	-43.00	≤ -40	PASS
NTNV	11AX20MIMO	Ant1	6175	-20	-29.45	≤ -25	PASS
NTNV	11AX20MIMO	Ant2	6175	-20	-30.03	≤ -25	PASS
NTNV	11AX20MIMO	total	6175	-20	-29.73	≤ -25	PASS
NTNV	11AX20MIMO	Ant2	6175	+20	-29.99	≤ -25	PASS
NTNV	11AX20MIMO	total	6175	+20	-30.39	≤ -25	PASS
NTNV	11AX20MIMO	Ant1	6175	+20	-30.85	≤ -25	PASS
NTNV	11AX20MIMO	Ant1	6175	+40	-48.48	≤ -40	PASS
NTNV	11AX20MIMO	Ant2	6175	+40	-40.27	≤ -40	PASS
NTNV	11AX20MIMO	total	6175	+40	-42.64	≤ -40	PASS
NTNV	11AX20MIMO	Ant1	6415	-40	-40.14	≤ -40	PASS
NTNV	11AX20MIMO	Ant2	6415	-40	-40.29	≤ -40	PASS
NTNV	11AX20MIMO	total	6415	-40	-40.22	≤ -40	PASS
NTNV	11AX20MIMO	Ant1	6415	-20	-29.26	≤ -25	PASS
NTNV	11AX20MIMO	Ant2	6415	-20	-30.10	≤ -25	PASS
NTNV	11AX20MIMO	total	6415	-20	-29.66	≤ -25	PASS
NTNV	11AX20MIMO	Ant1	6415	+20	-29.64	≤ -25	PASS
NTNV	11AX20MIMO	Ant2	6415	+20	-30.91	≤ -25	PASS
NTNV	11AX20MIMO	total	6415	+20	-30.23	≤ -25	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

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Test Condition	Test Mode	Antenna	Channel	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11AX20MIMO	Ant1	6415	+40	-40.78	≤-40	PASS
NTNV	11AX20MIMO	total	6415	+40	-40.79	≤-40	PASS
NTNV	11AX20MIMO	Ant2	6415	+40	-40.80	≤-40	PASS
NTNV	11AX40MIMO	Ant1	5965	-80	-46.47	≤-40	PASS
NTNV	11AX40MIMO	Ant2	5965	-80	-46.38	≤-40	PASS
NTNV	11AX40MIMO	total	5965	-80	-46.43	≤-40	PASS
NTNV	11AX40MIMO	Ant1	5965	-40	-39.89	≤-25	PASS
NTNV	11AX40MIMO	Ant2	5965	-40	-39.35	≤-25	PASS
NTNV	11AX40MIMO	total	5965	-40	-39.62	≤-25	PASS
NTNV	11AX40MIMO	Ant1	5965	+40	-41.09	≤-25	PASS
NTNV	11AX40MIMO	Ant2	5965	+40	-39.10	≤-25	PASS
NTNV	11AX40MIMO	total	5965	+40	-40.00	≤-25	PASS
NTNV	11AX40MIMO	Ant1	5965	+80	-47.69	≤-40	PASS
NTNV	11AX40MIMO	Ant2	5965	+80	-47.62	≤-40	PASS
NTNV	11AX40MIMO	total	5965	+80	-47.66	≤-40	PASS
NTNV	11AX40MIMO	Ant2	6165	-80	-45.79	≤-40	PASS
NTNV	11AX40MIMO	total	6165	-80	-45.73	≤-40	PASS
NTNV	11AX40MIMO	Ant1	6165	-80	-45.66	≤-40	PASS
NTNV	11AX40MIMO	Ant1	6165	-40	-38.78	≤-25	PASS
NTNV	11AX40MIMO	Ant2	6165	-40	-38.53	≤-25	PASS
NTNV	11AX40MIMO	total	6165	-40	-38.66	≤-25	PASS
NTNV	11AX40MIMO	Ant1	6165	+40	-39.40	≤-25	PASS
NTNV	11AX40MIMO	Ant2	6165	+40	-38.80	≤-25	PASS
NTNV	11AX40MIMO	total	6165	+40	-39.09	≤-25	PASS
NTNV	11AX40MIMO	Ant2	6165	+80	-45.27	≤-40	PASS
NTNV	11AX40MIMO	total	6165	+80	-45.29	≤-40	PASS
NTNV	11AX40MIMO	Ant1	6165	+80	-45.31	≤-40	PASS
NTNV	11AX40MIMO	Ant2	6405	-80	-46.16	≤-40	PASS
NTNV	11AX40MIMO	total	6405	-80	-46.21	≤-40	PASS
NTNV	11AX40MIMO	Ant1	6405	-80	-46.26	≤-40	PASS
NTNV	11AX40MIMO	Ant2	6405	-40	-39.79	≤-25	PASS
NTNV	11AX40MIMO	total	6405	-40	-39.58	≤-25	PASS
NTNV	11AX40MIMO	Ant1	6405	-40	-39.39	≤-25	PASS
NTNV	11AX40MIMO	Ant2	6405	+40	-39.63	≤-25	PASS
NTNV	11AX40MIMO	total	6405	+40	-39.15	≤-25	PASS
NTNV	11AX40MIMO	Ant1	6405	+40	-38.72	≤-25	PASS
NTNV	11AX40MIMO	Ant2	6405	+80	-47.48	≤-40	PASS
NTNV	11AX40MIMO	total	6405	+80	-47.60	≤-40	PASS
NTNV	11AX40MIMO	Ant1	6405	+80	-47.72	≤-40	PASS
NTNV	11AX80MIMO	Ant2	5985	-160	-43.42	≤-40	PASS
NTNV	11AX80MIMO	total	5985	-160	-43.42	≤-40	PASS
NTNV	11AX80MIMO	Ant1	5985	-160	-43.42	≤-40	PASS
NTNV	11AX80MIMO	Ant2	5985	-80	-37.02	≤-25	PASS
NTNV	11AX80MIMO	total	5985	-80	-37.37	≤-25	PASS
NTNV	11AX80MIMO	Ant1	5985	-80	-37.77	≤-25	PASS
NTNV	11AX80MIMO	Ant2	5985	+80	-39.43	≤-25	PASS
NTNV	11AX80MIMO	total	5985	+80	-39.11	≤-25	PASS
NTNV	11AX80MIMO	Ant1	5985	+80	-38.80	≤-25	PASS
NTNV	11AX80MIMO	Ant2	5985	+160	-44.28	≤-40	PASS
NTNV	11AX80MIMO	total	5985	+160	-44.33	≤-40	PASS
NTNV	11AX80MIMO	Ant1	5985	+160	-44.39	≤-40	PASS
NTNV	11AX80MIMO	Ant2	6145	-160	-43.27	≤-40	PASS
NTNV	11AX80MIMO	total	6145	-160	-43.25	≤-40	PASS
NTNV	11AX80MIMO	Ant1	6145	-160	-43.22	≤-40	PASS
NTNV	11AX80MIMO	Ant2	6145	-80	-39.77	≤-25	PASS
NTNV	11AX80MIMO	total	6145	-80	-38.91	≤-25	PASS
NTNV	11AX80MIMO	Ant1	6145	-80	-38.19	≤-25	PASS
NTNV	11AX80MIMO	Ant2	6145	+80	-38.42	≤-25	PASS
NTNV	11AX80MIMO	total	6145	+80	-38.84	≤-25	PASS
NTNV	11AX80MIMO	Ant1	6145	+80	-39.29	≤-25	PASS
NTNV	11AX80MIMO	Ant2	6145	+160	-43.20	≤-40	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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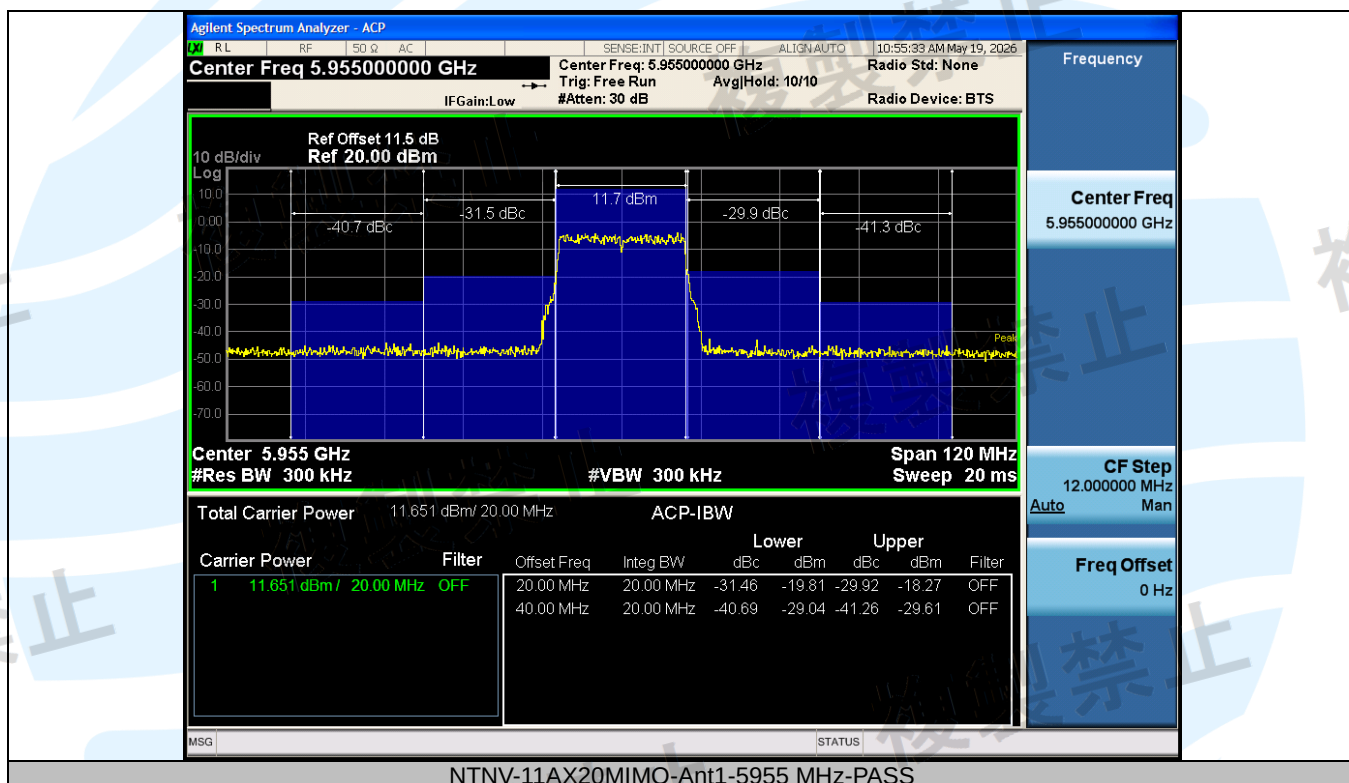
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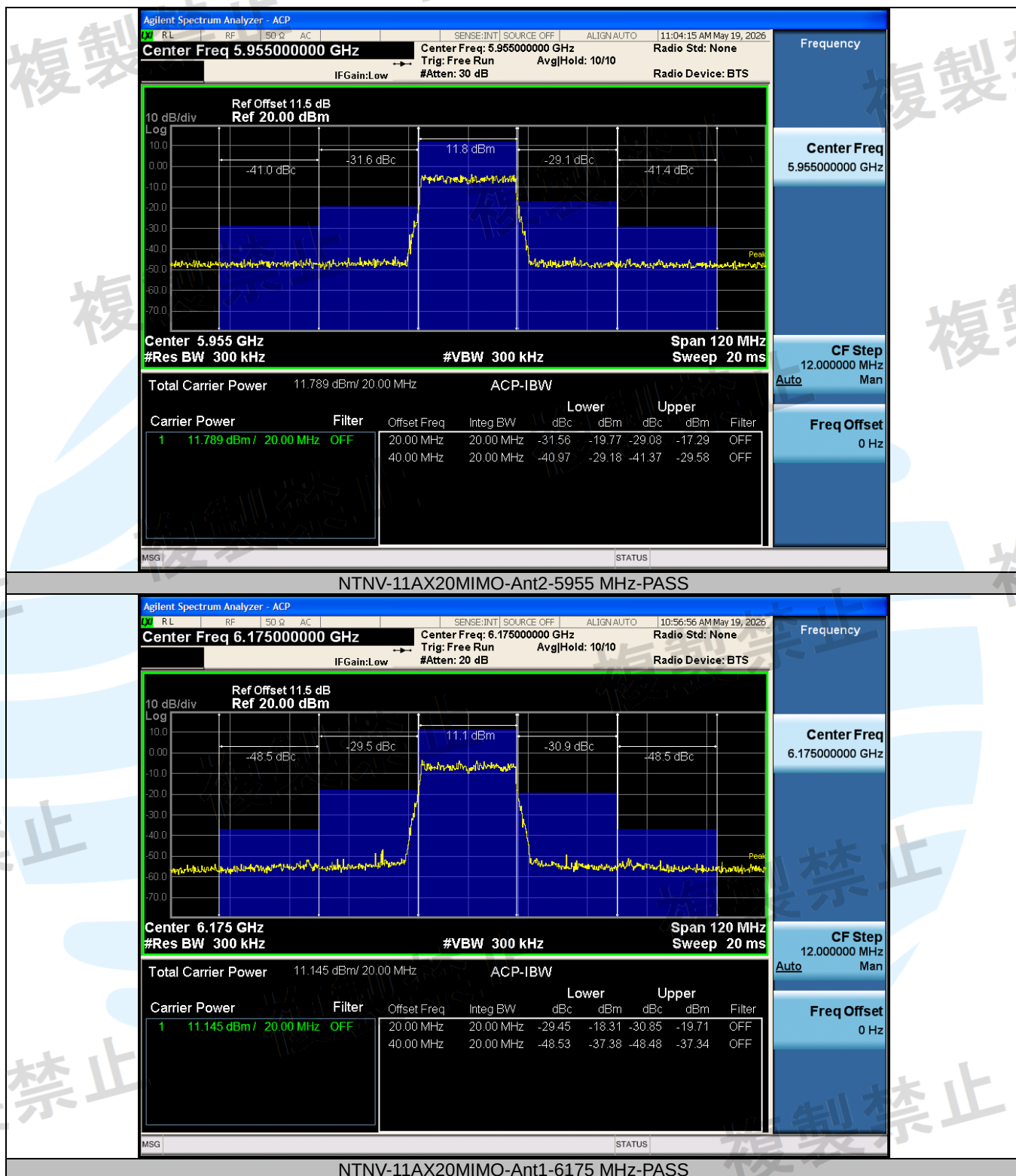
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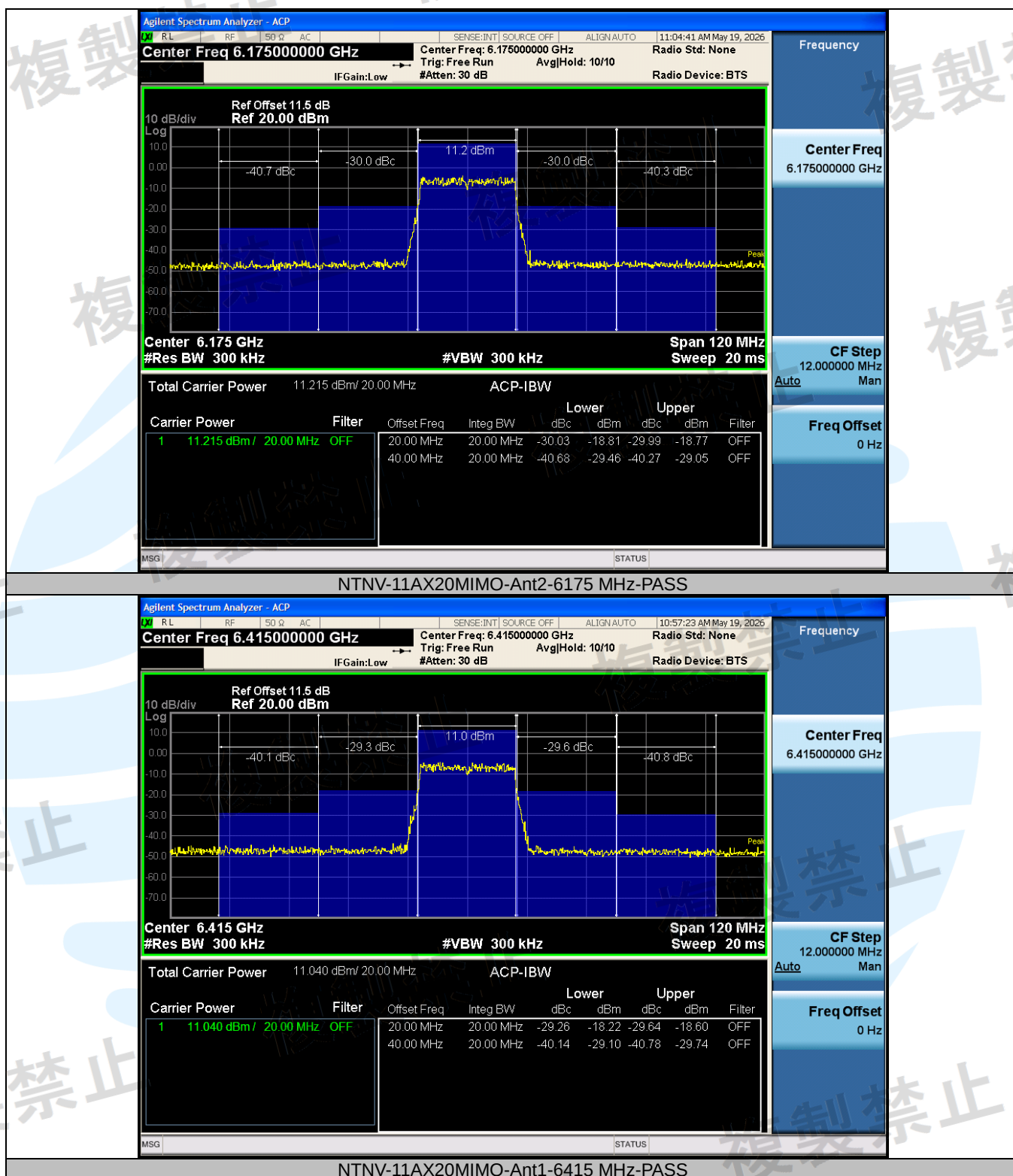
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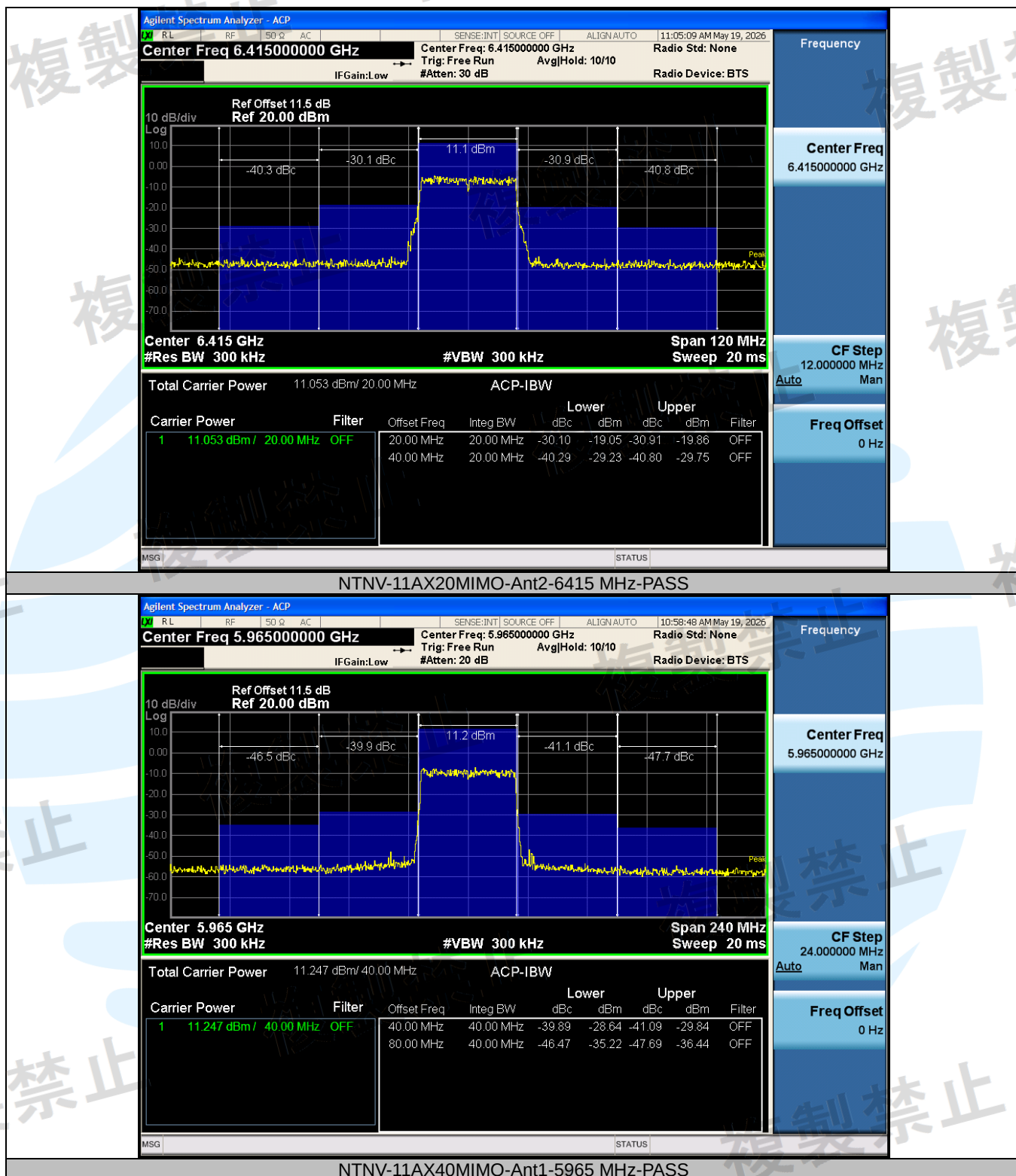
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Test Condition	Test Mode	Antenna	Channel	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11AX80MIMO	total	6145	+160	-43.23	≤-40	PASS
NTNV	11AX80MIMO	Ant1	6145	+160	-43.26	≤-40	PASS
NTNV	11AX80MIMO	Ant2	6385	-160	-42.05	≤-40	PASS
NTNV	11AX80MIMO	total	6385	-160	-42.19	≤-40	PASS
NTNV	11AX80MIMO	Ant1	6385	-160	-42.33	≤-40	PASS
NTNV	11AX80MIMO	Ant2	6385	-80	-38.40	≤-25	PASS
NTNV	11AX80MIMO	total	6385	-80	-38.61	≤-25	PASS
NTNV	11AX80MIMO	Ant1	6385	-80	-38.82	≤-25	PASS
NTNV	11AX80MIMO	Ant2	6385	+80	-38.62	≤-25	PASS
NTNV	11AX80MIMO	total	6385	+80	-38.92	≤-25	PASS
NTNV	11AX80MIMO	Ant1	6385	+80	-39.22	≤-25	PASS
NTNV	11AX80MIMO	Ant2	6385	+160	-43.90	≤-40	PASS
NTNV	11AX80MIMO	total	6385	+160	-44.07	≤-40	PASS
NTNV	11AX80MIMO	Ant1	6385	+160	-44.23	≤-40	PASS









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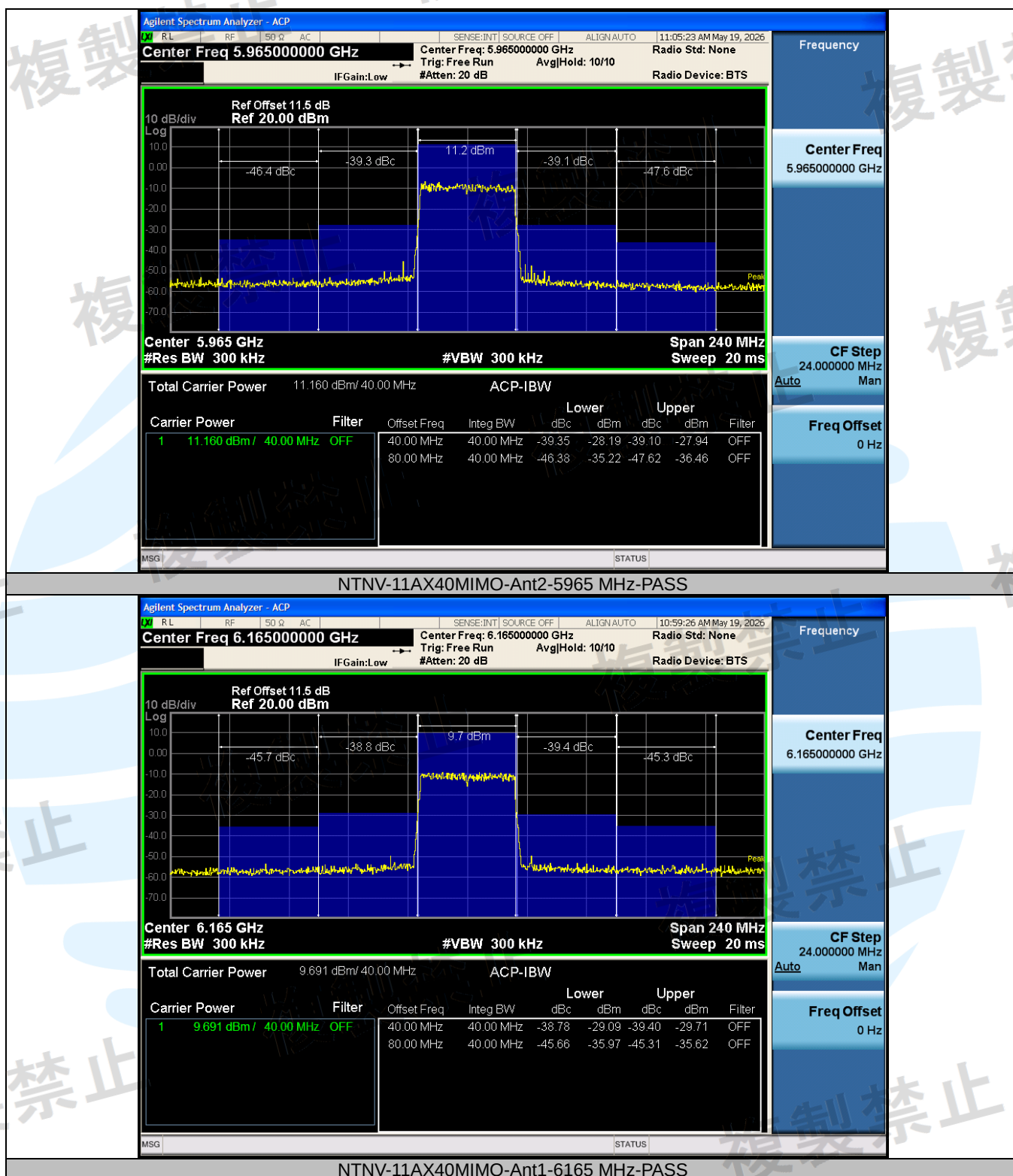
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

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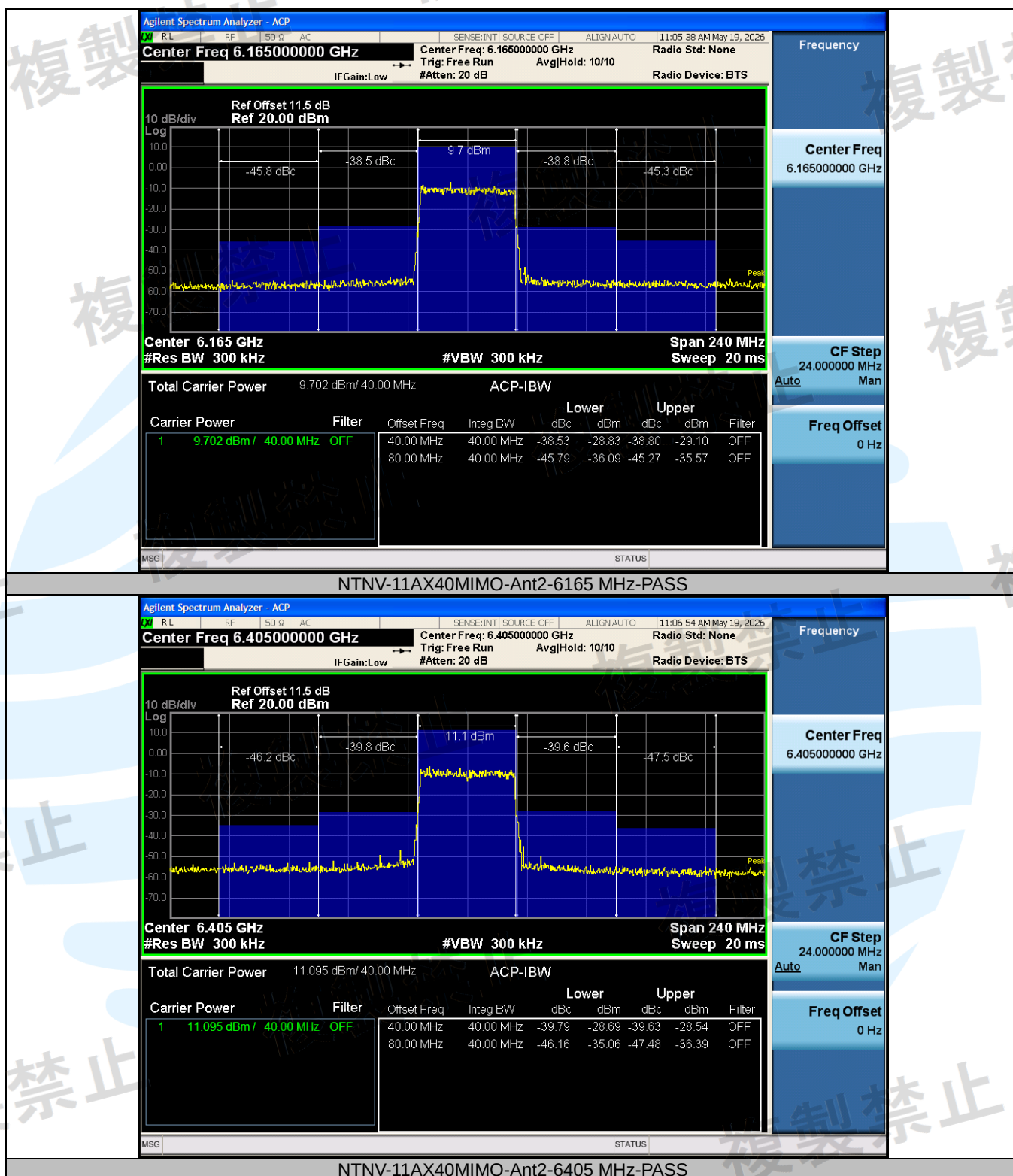
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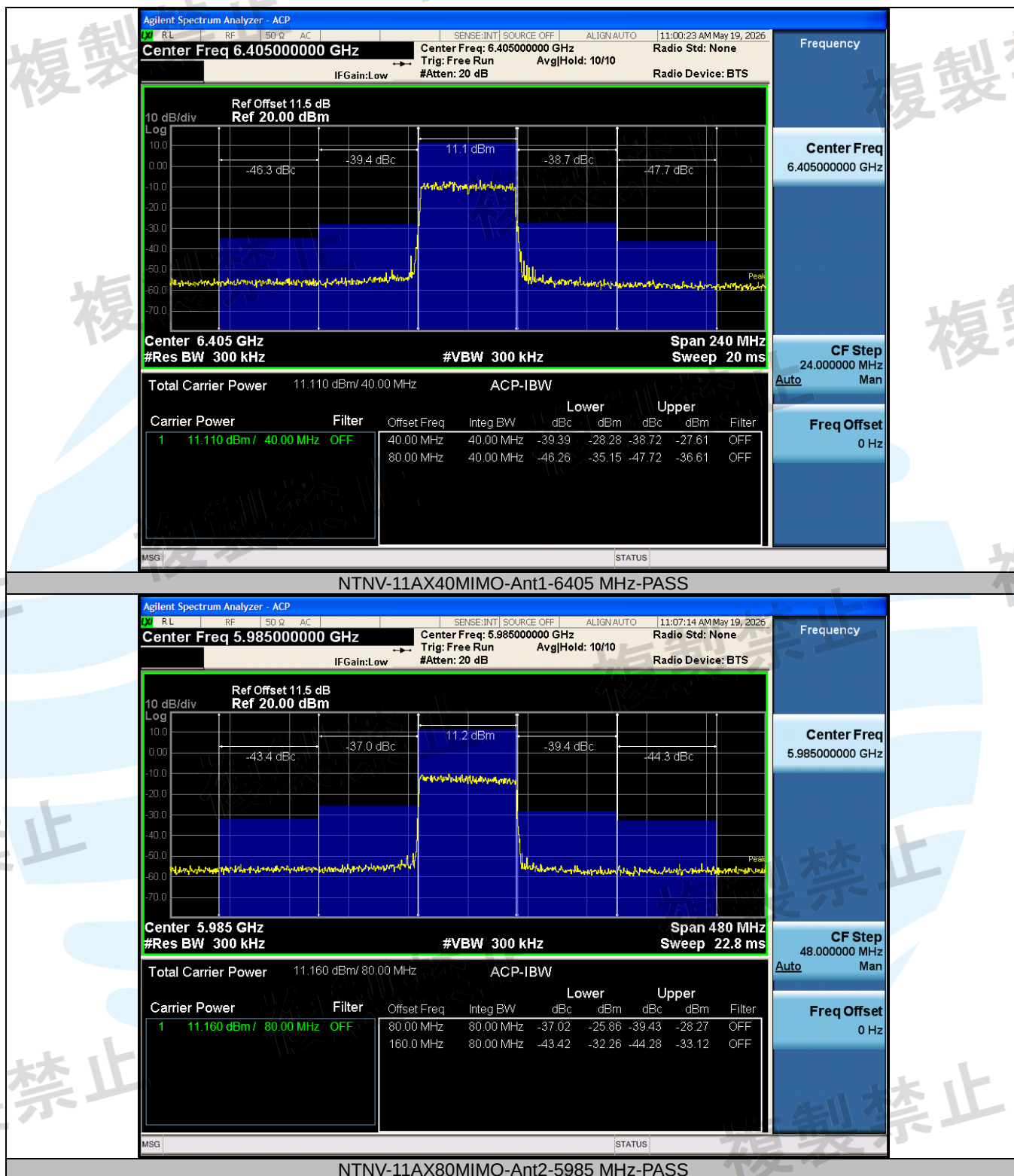
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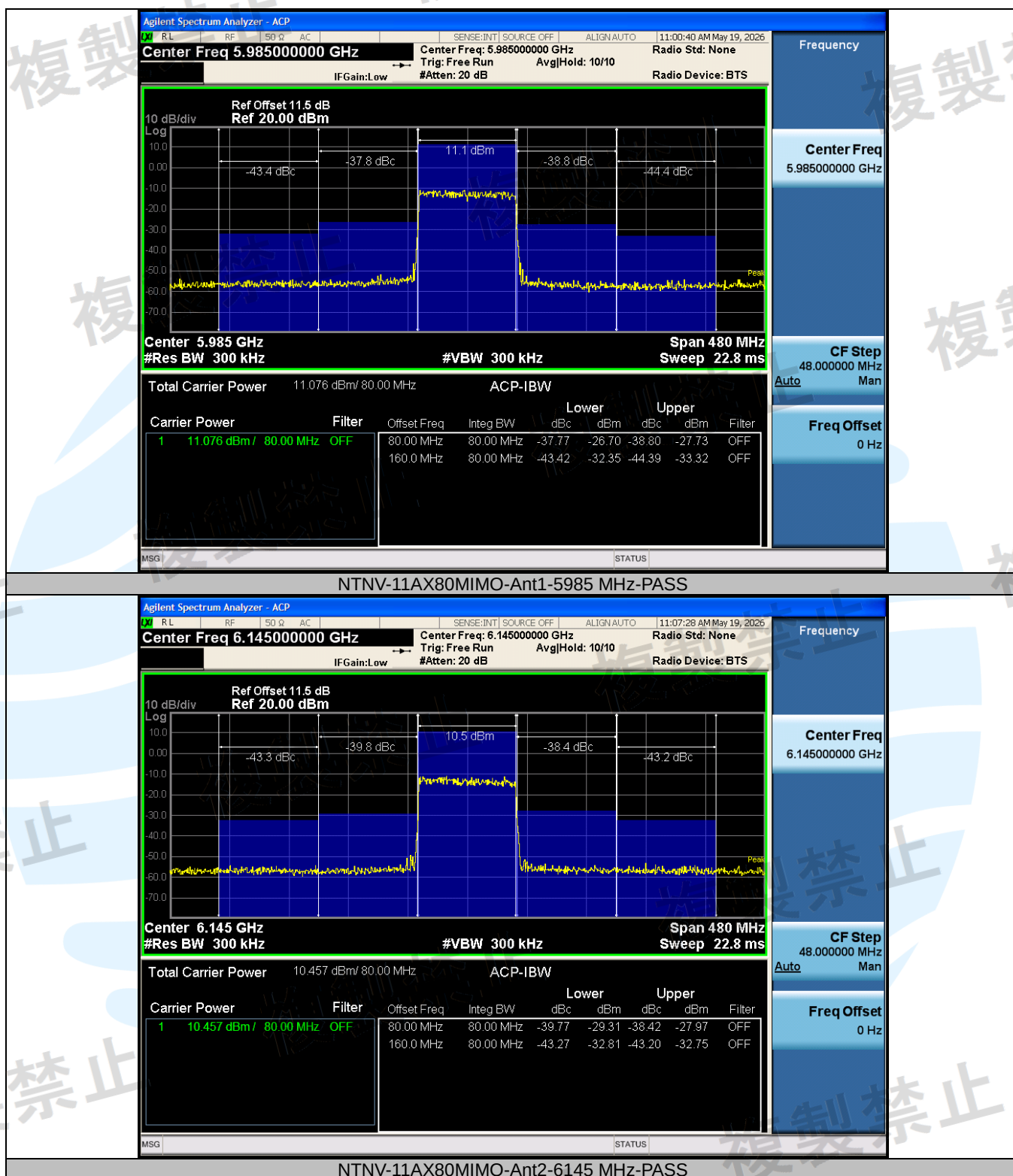
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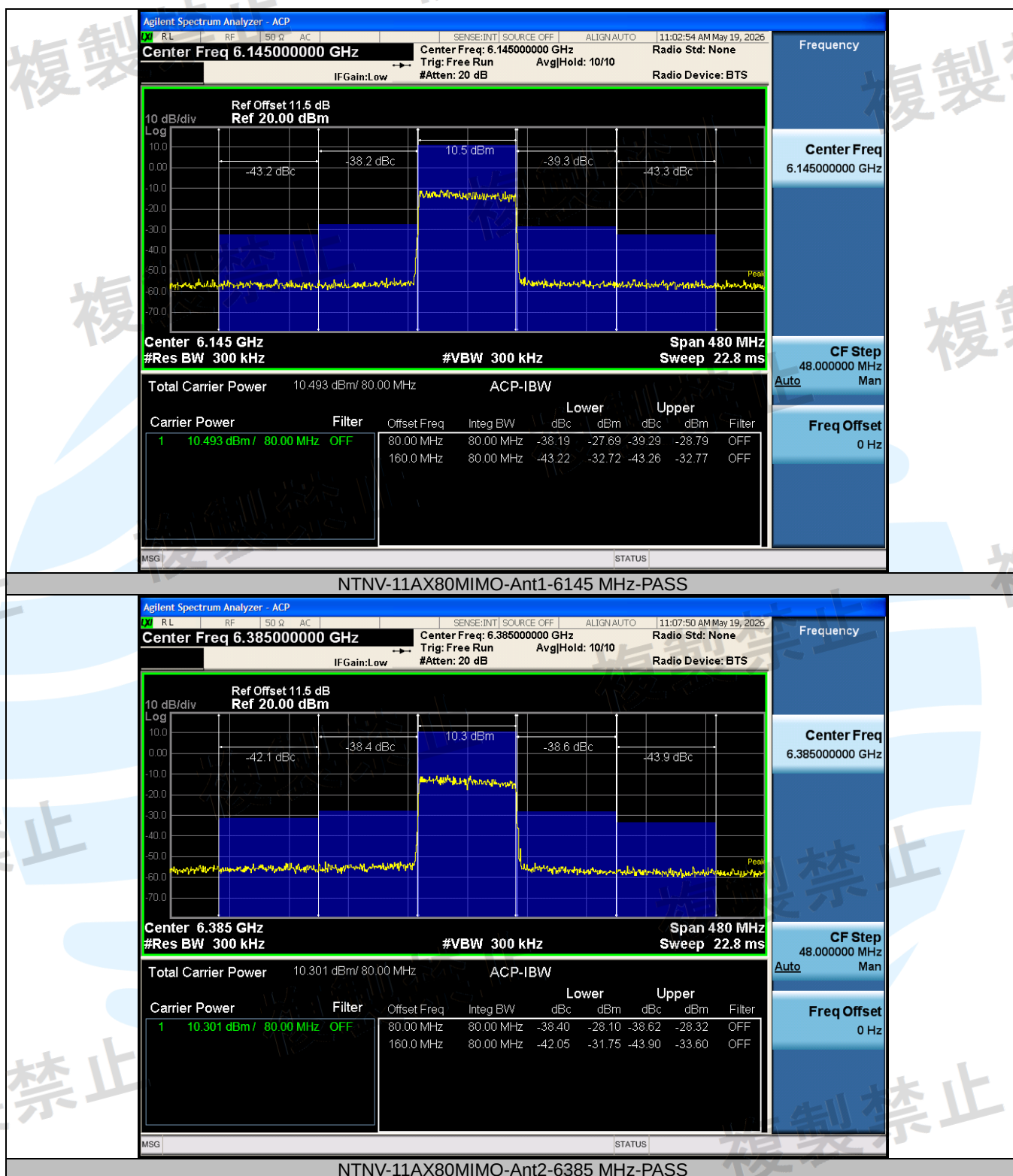
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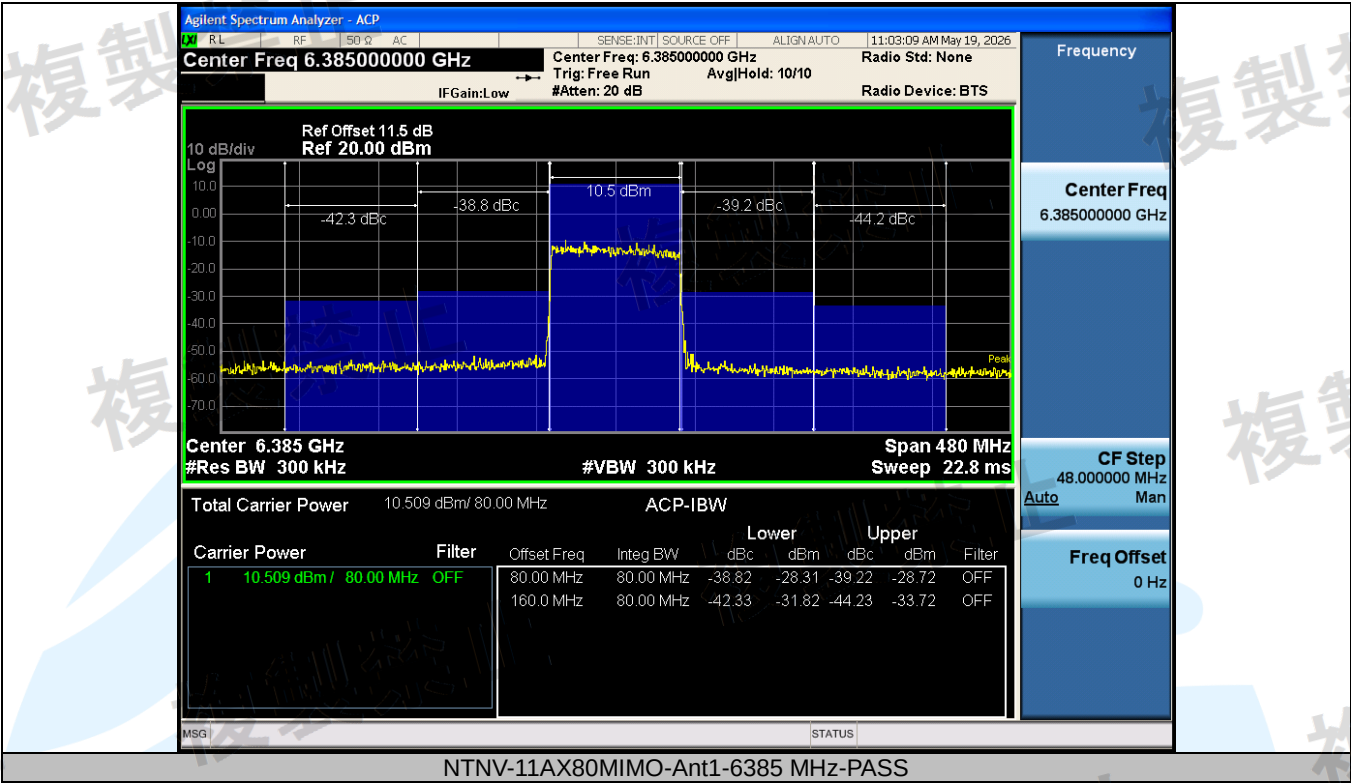
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5.9 SECONDARY RADIATED EMISSION STRENGTH

5.9.1 Limit

Frequency (MHz)	Limit	
	nW	dBm
Below 1GHz	≤4	-54
Above 1GHz	≤20	-47

5.9.2 Test Setup

Refer to section 4.5 for details.

5.9.3 Instruments Used

Refer to section 3 for details

5.9.4 Test Procedures

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Use the following spectrum analyzer settings:

- c) Below 1GHz
 1. Set RBW = VBW = 100 kHz.
 2. Detector = peak.
 3. Sweep = auto couple.
 4. Trace Mode = max hold.
 5. Allow trace to fully stabilize.
 6. Use the peak marker function to determine the maximum amplitude level.
- d) Above 1GHz
 1. Set RBW = VBW = 1 MHz.
 2. Detector = peak.
 3. Sweep = auto couple.
 4. Trace Mode = max hold.
 5. Allow trace to fully stabilize.
 6. Use the peak marker function to determine the maximum amplitude level.

5.9.5 Test Result

Test Mode	Ant.	Ch.	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
11AX20MIMO	Ant1	5955	30~1000	469.90	-70.25	≤-54	0.09441	≤4	PASS
11AX20MIMO	Ant2	5955	30~1000	937.07	-69.74	≤-54	0.10617	≤4	PASS
11AX20MIMO	total	5955	30~1000	---	---	---	0.20058	≤4	PASS
11AX20MIMO	Ant1	5955	1000~26000	25079.95	-52.37	≤-47	5.79429	≤20	See table below
11AX20MIMO	Ant2	5955	1000~26000	25582.48	-52.00	≤-47	6.30957	≤20	See table below
11AX20MIMO	total	5955	1000~26000	---	---	---	12.10386	≤20	See table below
11AX20MIMO	Ant1	6175	30~1000	855.83	-69.42	≤-54	0.11429	≤4	PASS
11AX20MIMO	Ant2	6175	30~1000	430.97	-69.48	≤-54	0.11272	≤4	PASS
11AX20MIMO	total	6175	30~1000	---	---	---	0.22701	≤4	PASS
11AX20MIMO	Ant1	6175	1000~26000	25473.72	-52.29	≤-47	5.90201	≤20	See table below
11AX20MIMO	Ant2	6175	1000~26000	25952.5	-52.16	≤-47	6.08135	≤20	See table below
11AX20MIMO	total	6175	1000~26000	---	---	---	11.98336	≤20	See table below
11AX20MIMO	Ant1	6415	30~1000	832.07	-69.88	≤-54	0.10280	≤4	PASS
11AX20MIMO	Ant2	6415	30~1000	861.41	-69.54	≤-54	0.11117	≤4	PASS
11AX20MIMO	total	6415	30~1000	---	---	---	0.21397	≤4	PASS
11AX20MIMO	Ant1	6415	1000~26000	25172.46	-52.27	≤-47	5.92925	≤20	See table below
11AX20MIMO	Ant2	6415	1000~26000	25077.45	-52.88	≤-47	5.15229	≤20	See table below
11AX20MIMO	total	6415	1000~26000	---	---	---	11.08154	≤20	See table below
11AX40MIMO	Ant1	5965	30~1000	877.78	-69.13	≤-54	0.12218	≤4	PASS
11AX40MIMO	Ant2	5965	30~1000	941.07	-69.38	≤-54	0.11535	≤4	PASS
11AX40MIMO	total	5965	30~1000	---	---	---	0.23753	≤4	PASS

Test Mode	Ant.	Ch.	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
11AX40MIMO	Ant1	5965	1000~26000	25986.25	-51.62	≤-47	6.88652	≤20	See table below
11AX40MIMO	Ant2	5965	1000~26000	25968.75	-51.84	≤-47	6.54636	≤20	See table below
11AX40MIMO	total	5965	1000~26000	---	---	---	13.43288	≤20	See table below
11AX40MIMO	Ant1	6165	30~1000	507.24	-69.78	≤-54	0.10520	≤4	PASS
11AX40MIMO	Ant2	6165	30~1000	374.35	-69.64	≤-54	0.10864	≤4	PASS
11AX40MIMO	total	6165	30~1000	---	---	---	0.21384	≤4	PASS
11AX40MIMO	Ant1	6165	1000~26000	25629.98	-51.84	≤-47	6.54636	≤20	See table below
11AX40MIMO	Ant2	6165	1000~26000	21212.26	-52.22	≤-47	5.99791	≤20	See table below
11AX40MIMO	total	6165	1000~26000	---	---	---	12.54427	≤20	See table below
11AX40MIMO	Ant1	6405	30~1000	861.78	-69.16	≤-54	0.12134	≤4	PASS
11AX40MIMO	Ant2	6405	30~1000	897.54	-69.35	≤-54	0.11614	≤4	PASS
11AX40MIMO	total	6405	30~1000	---	---	---	0.23748	≤4	PASS
11AX40MIMO	Ant1	6405	1000~26000	25404.97	-52.31	≤-47	5.87489	≤20	See table below
11AX40MIMO	Ant2	6405	1000~26000	25614.98	-52.33	≤-47	5.84790	≤20	See table below
11AX40MIMO	total	6405	1000~26000	---	---	---	11.72279	≤20	See table below
11AX80MIMO	Ant1	5985	30~1000	739.68	-69.92	≤-54	0.10186	≤4	PASS
11AX80MIMO	Ant2	5985	30~1000	843.10	-69.57	≤-54	0.11041	≤4	PASS
11AX80MIMO	total	5985	30~1000	---	---	---	0.21227	≤4	PASS
11AX80MIMO	Ant1	5985	1000~26000	25988.75	-52.12	≤-47	6.13762	≤20	See table below
11AX80MIMO	Ant2	5985	1000~26000	25154.96	-51.85	≤-47	6.53131	≤20	See table below
11AX80MIMO	total	5985	1000~26000	---	---	---	12.66893	≤20	See table below
11AX80MIMO	Ant1	6145	30~1000	866.26	-69.74	≤-54	0.10617	≤4	PASS
11AX80MIMO	Ant2	6145	30~1000	817.28	-70.15	≤-54	0.09661	≤4	PASS
11AX80MIMO	total	6145	30~1000	---	---	---	0.20278	≤4	PASS
11AX80MIMO	Ant1	6145	1000~26000	24456.17	-51.89	≤-47	6.47143	≤20	See table below
11AX80MIMO	Ant2	6145	1000~26000	25052.45	-51.46	≤-47	7.14496	≤20	See table below
11AX80MIMO	total	6145	1000~26000	---	---	---	13.61639	≤20	See table below
11AX80MIMO	Ant1	6385	30~1000	870.75	-69.56	≤-54	0.11066	≤4	PASS
11AX80MIMO	Ant2	6385	30~1000	79.59	-68.88	≤-54	0.12942	≤4	PASS
11AX80MIMO	total	6385	30~1000	---	---	---	0.24008	≤4	PASS
11AX80MIMO	Ant1	6385	1000~26000	25428.72	-52.20	≤-47	6.02560	≤20	See table below
11AX80MIMO	Ant2	6385	1000~26000	25506.23	-52.07	≤-47	6.20869	≤20	See table below
11AX80MIMO	total	6385	1000~26000	---	---	---	12.23429	≤20	See table below

Step2

Test Mode	Pre Scan In Ant	Channel	Ant	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
11AX20MIMO	Ant1	5955	Ant1	25067.22	-69.69	≤-47	0.10740	≤20	PASS
11AX20MIMO	Ant2	5955	Ant1	25536.87	-69.47	≤-47	0.11298	≤20	PASS
11AX20MIMO	Ant1	5955	Ant2	25067.22	-69.66	≤-47	0.10814	≤20	PASS
11AX20MIMO	Ant2	5955	Ant2	25536.87	-69.47	≤-47	0.11298	≤20	PASS
11AX20MIMO	Ant1	5955	total	25067.22	---	---	0.21554	≤20	PASS
11AX20MIMO	Ant2	5955	total	25536.87	---	---	0.22596	≤20	PASS
11AX20MIMO	Ant1	6175	Ant1	25458.49	-69.62	≤-47	0.10914	≤20	PASS
11AX20MIMO	Ant2	6175	Ant1	25982.03	-69.01	≤-47	0.12560	≤20	PASS
11AX20MIMO	Ant1	6175	Ant2	25458.49	-69.62	≤-47	0.10914	≤20	PASS
11AX20MIMO	Ant2	6175	Ant2	25982.03	-68.98	≤-47	0.12647	≤20	PASS
11AX20MIMO	Ant1	6175	total	25458.49	---	---	0.21828	≤20	PASS
11AX20MIMO	Ant2	6175	total	25982.03	---	---	0.25207	≤20	PASS
11AX20MIMO	Ant1	6415	Ant1	25148.26	-69.52	≤-47	0.11169	≤20	PASS
11AX20MIMO	Ant2	6415	Ant1	25050.43	-69.63	≤-47	0.10889	≤20	PASS
11AX20MIMO	Ant1	6415	Ant2	25148.26	-69.52	≤-47	0.11169	≤20	PASS
11AX20MIMO	Ant2	6415	Ant2	25050.43	-69.61	≤-47	0.10940	≤20	PASS
11AX20MIMO	Ant1	6415	total	25148.26	---	---	0.22338	≤20	PASS
11AX20MIMO	Ant2	6415	total	25050.43	---	---	0.21829	≤20	PASS
11AX40MIMO	Ant1	5965	Ant1	25997.79	-68.76	≤-47	0.13305	≤20	PASS
11AX40MIMO	Ant2	5965	Ant1	25988.44	-68.88	≤-47	0.12942	≤20	PASS
11AX40MIMO	Ant1	5965	Ant2	25997.79	-68.78	≤-47	0.13243	≤20	PASS
11AX40MIMO	Ant2	5965	Ant2	25988.44	-68.88	≤-47	0.12942	≤20	PASS
11AX40MIMO	Ant1	5965	total	25997.79	---	---	0.26548	≤20	PASS
11AX40MIMO	Ant2	5965	total	25988.44	---	---	0.25884	≤20	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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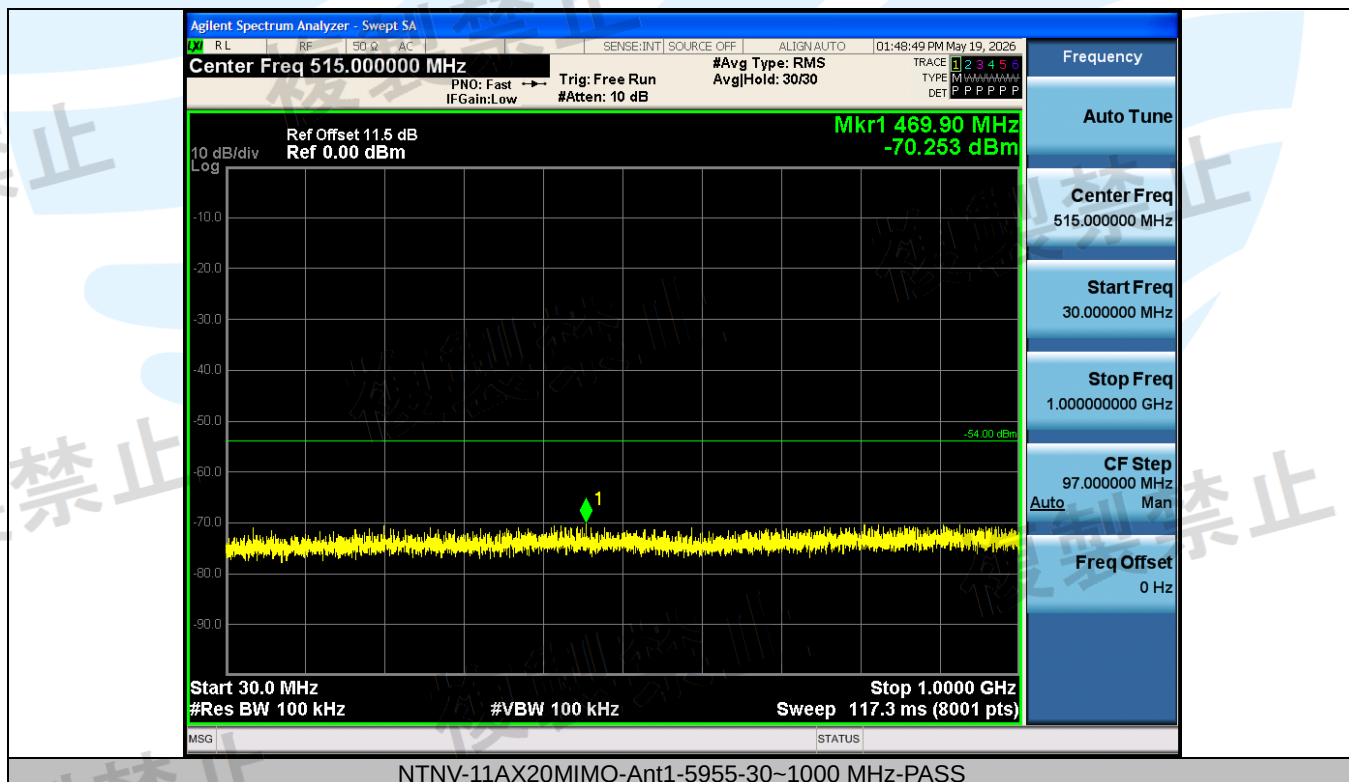
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Test Mode	Pre Scan In Ant	Channel	Ant	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
11AX40MIMO	Ant1	6165	Ant1	25583.29	-69.53	≤-47	0.11143	≤20	PASS
11AX40MIMO	Ant2	6165	Ant1	21170.03	-71.75	≤-47	0.06683	≤20	PASS
11AX40MIMO	Ant1	6165	Ant2	25583.29	-69.53	≤-47	0.11143	≤20	PASS
11AX40MIMO	Ant2	6165	Ant2	21170.03	-71.71	≤-47	0.06745	≤20	PASS
11AX40MIMO	Ant1	6165	total	25583.29	---	---	0.22286	≤20	PASS
11AX40MIMO	Ant2	6165	total	21170.03	---	---	0.13428	≤20	PASS
11AX40MIMO	Ant1	6405	Ant1	25410.48	-69.96	≤-47	0.10093	≤20	PASS
11AX40MIMO	Ant2	6405	Ant1	25574.58	-69.54	≤-47	0.11117	≤20	PASS
11AX40MIMO	Ant1	6405	Ant2	25410.48	-69.99	≤-47	0.10023	≤20	PASS
11AX40MIMO	Ant2	6405	Ant2	25574.58	-69.51	≤-47	0.11194	≤20	PASS
11AX40MIMO	Ant1	6405	total	25410.48	---	---	0.20116	≤20	PASS
11AX40MIMO	Ant2	6405	total	25574.58	---	---	0.22311	≤20	PASS
11AX80MIMO	Ant1	5985	Ant1	25990.14	-68.87	≤-47	0.12972	≤20	PASS
11AX80MIMO	Ant2	5985	Ant1	25129.55	-69.44	≤-47	0.11376	≤20	PASS
11AX80MIMO	Ant1	5985	Ant2	25990.14	-68.86	≤-47	0.13002	≤20	PASS
11AX80MIMO	Ant2	5985	Ant2	25129.55	-69.46	≤-47	0.11324	≤20	PASS
11AX80MIMO	Ant1	5985	total	25990.14	---	---	0.25974	≤20	PASS
11AX80MIMO	Ant2	5985	total	25129.55	---	---	0.22700	≤20	PASS
11AX80MIMO	Ant1	6145	Ant1	24504.87	-70.41	≤-47	0.09099	≤20	PASS
11AX80MIMO	Ant2	6145	Ant1	25094.87	-69.62	≤-47	0.10914	≤20	PASS
11AX80MIMO	Ant1	6145	Ant2	24504.87	-70.43	≤-47	0.09057	≤20	PASS
11AX80MIMO	Ant2	6145	Ant2	25094.87	-69.61	≤-47	0.10940	≤20	PASS
11AX80MIMO	Ant1	6145	total	24504.87	---	---	0.18156	≤20	PASS
11AX80MIMO	Ant2	6145	total	25094.87	---	---	0.21854	≤20	PASS
11AX80MIMO	Ant1	6385	Ant1	25439.59	-69.60	≤-47	0.10965	≤20	PASS
11AX80MIMO	Ant2	6385	Ant1	25510.99	-69.45	≤-47	0.11350	≤20	PASS
11AX80MIMO	Ant1	6385	Ant2	25439.59	-69.59	≤-47	0.10990	≤20	PASS
11AX80MIMO	Ant2	6385	Ant2	25510.99	-69.43	≤-47	0.11402	≤20	PASS
11AX80MIMO	Ant1	6385	total	25439.59	---	---	0.21955	≤20	PASS
11AX80MIMO	Ant2	6385	total	25510.99	---	---	0.22752	≤20	PASS



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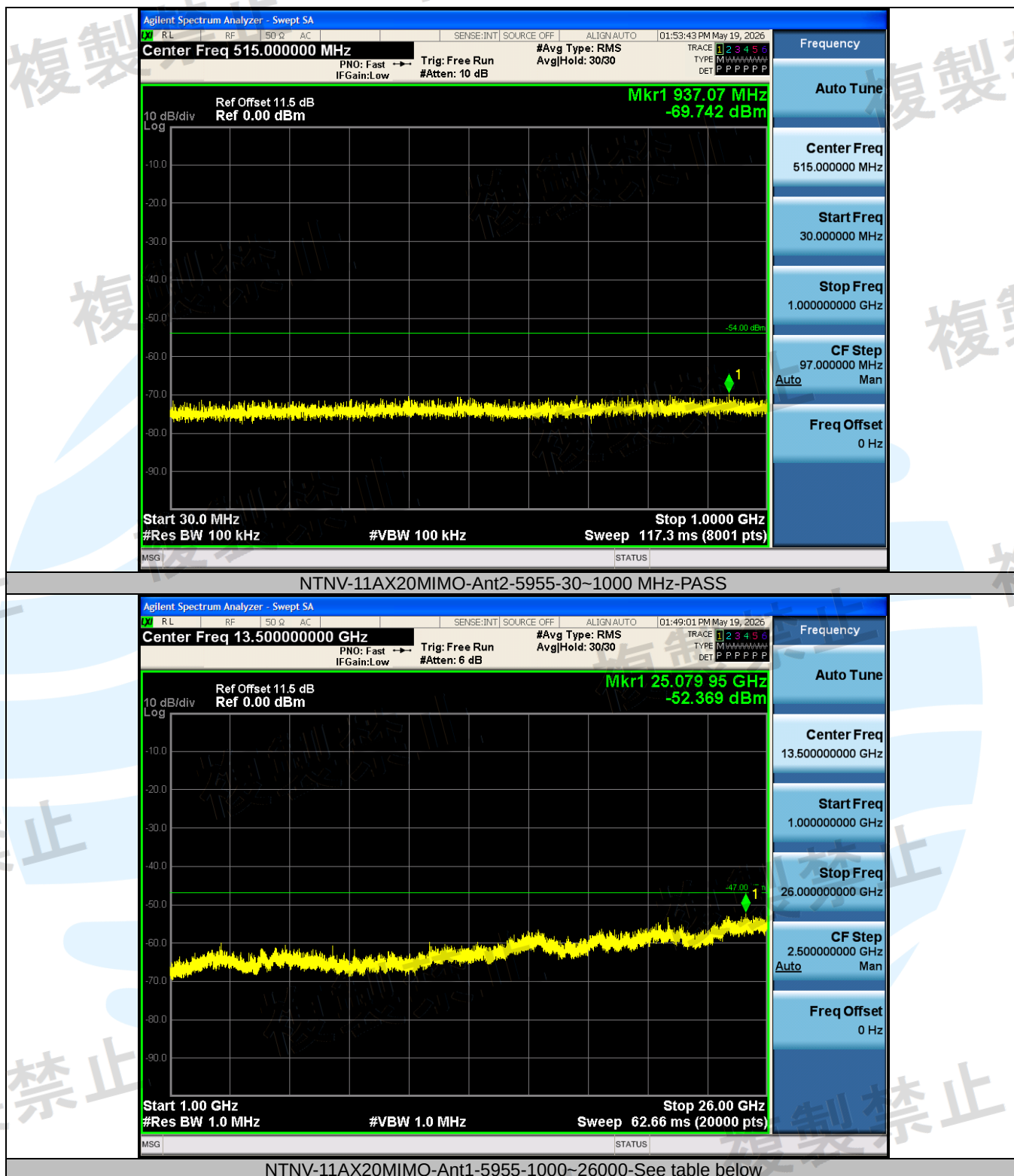
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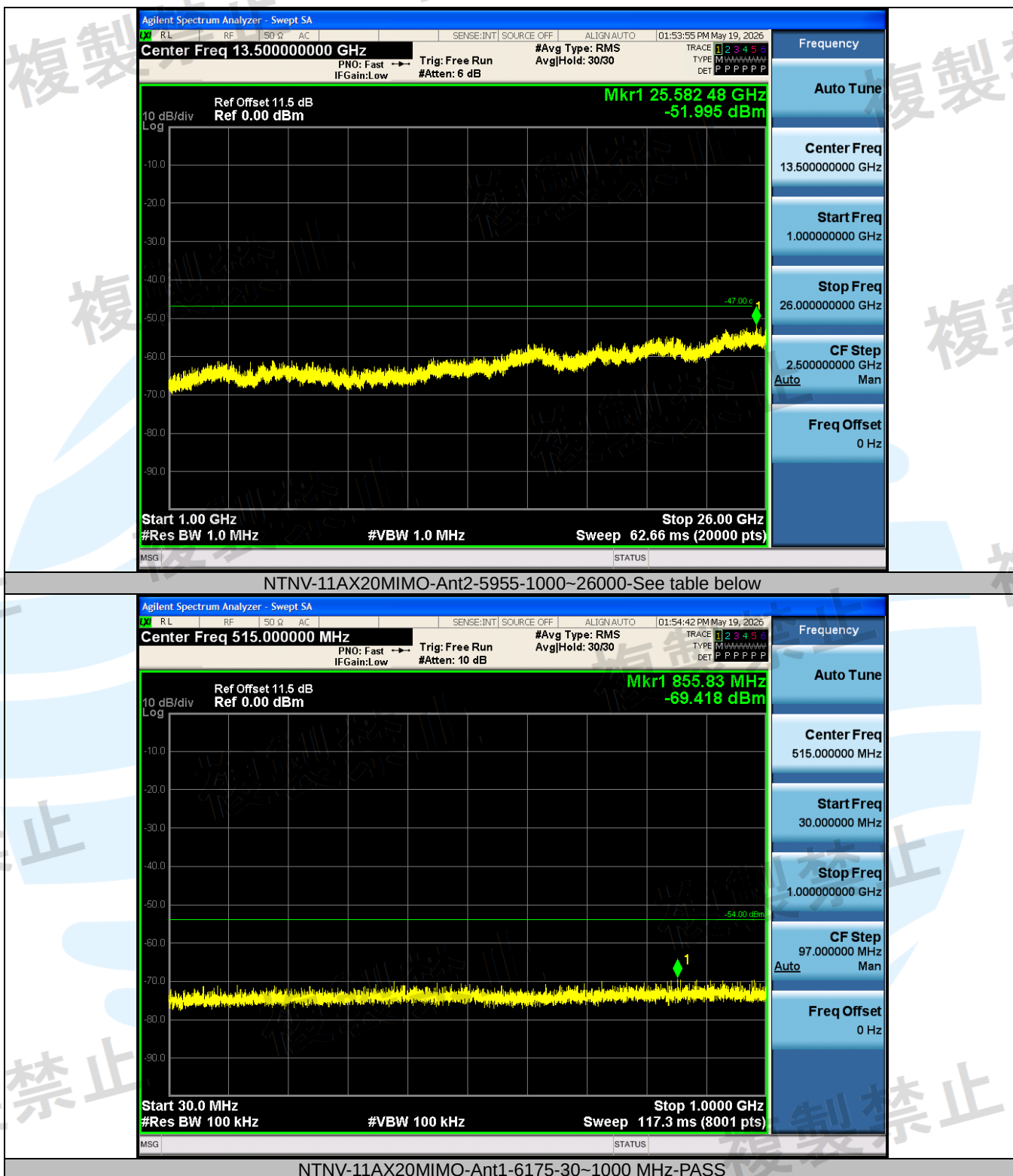
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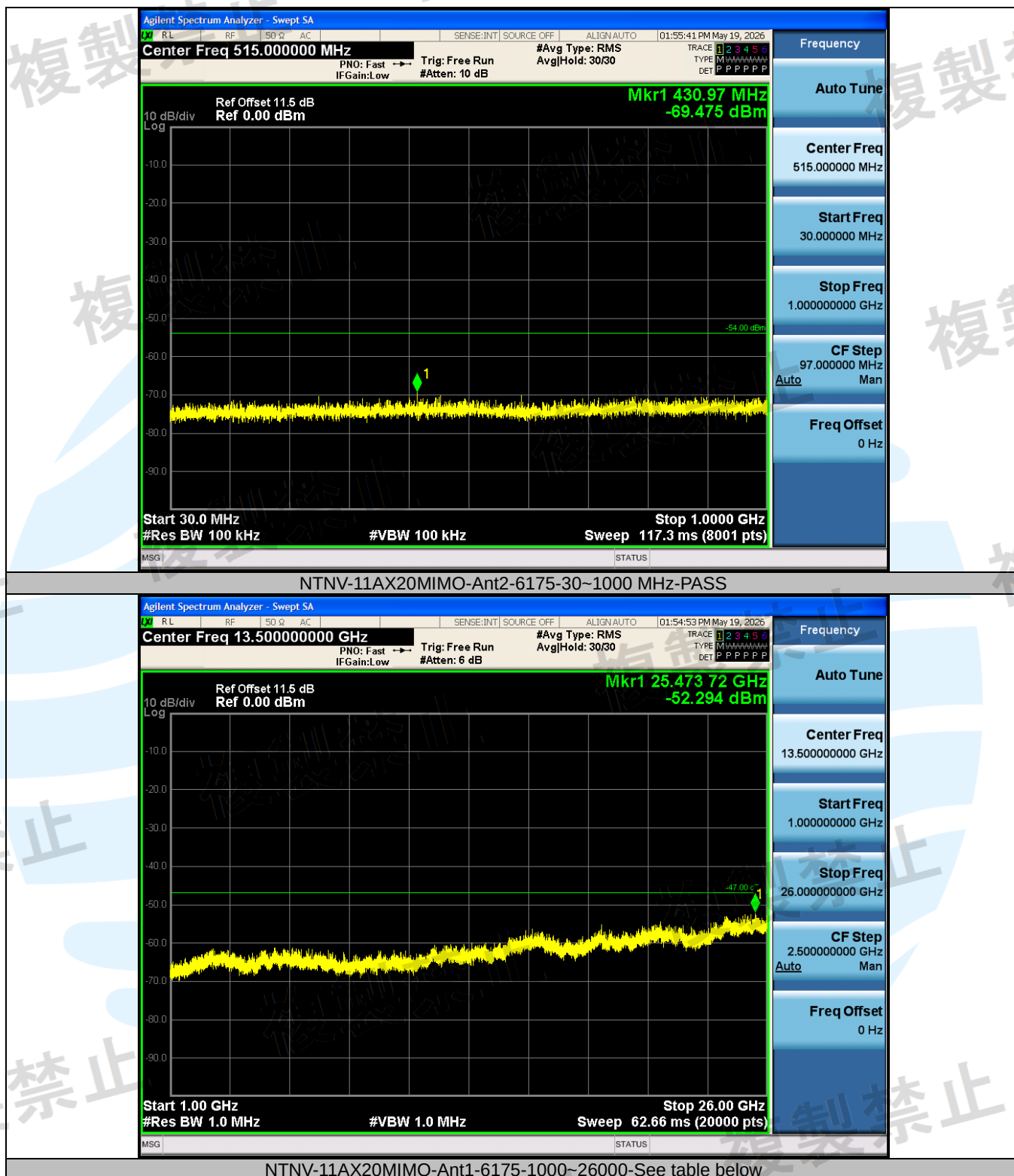
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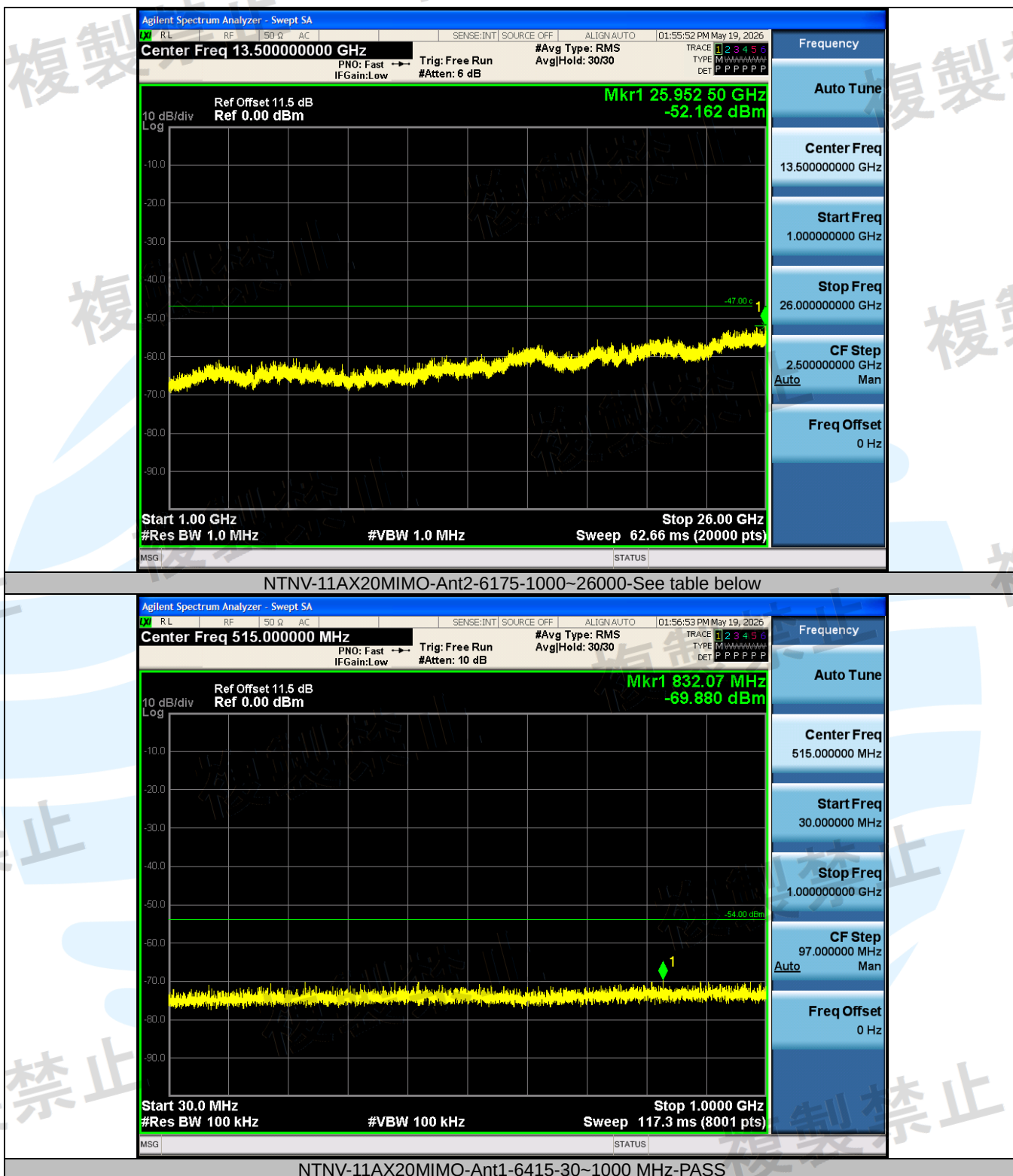
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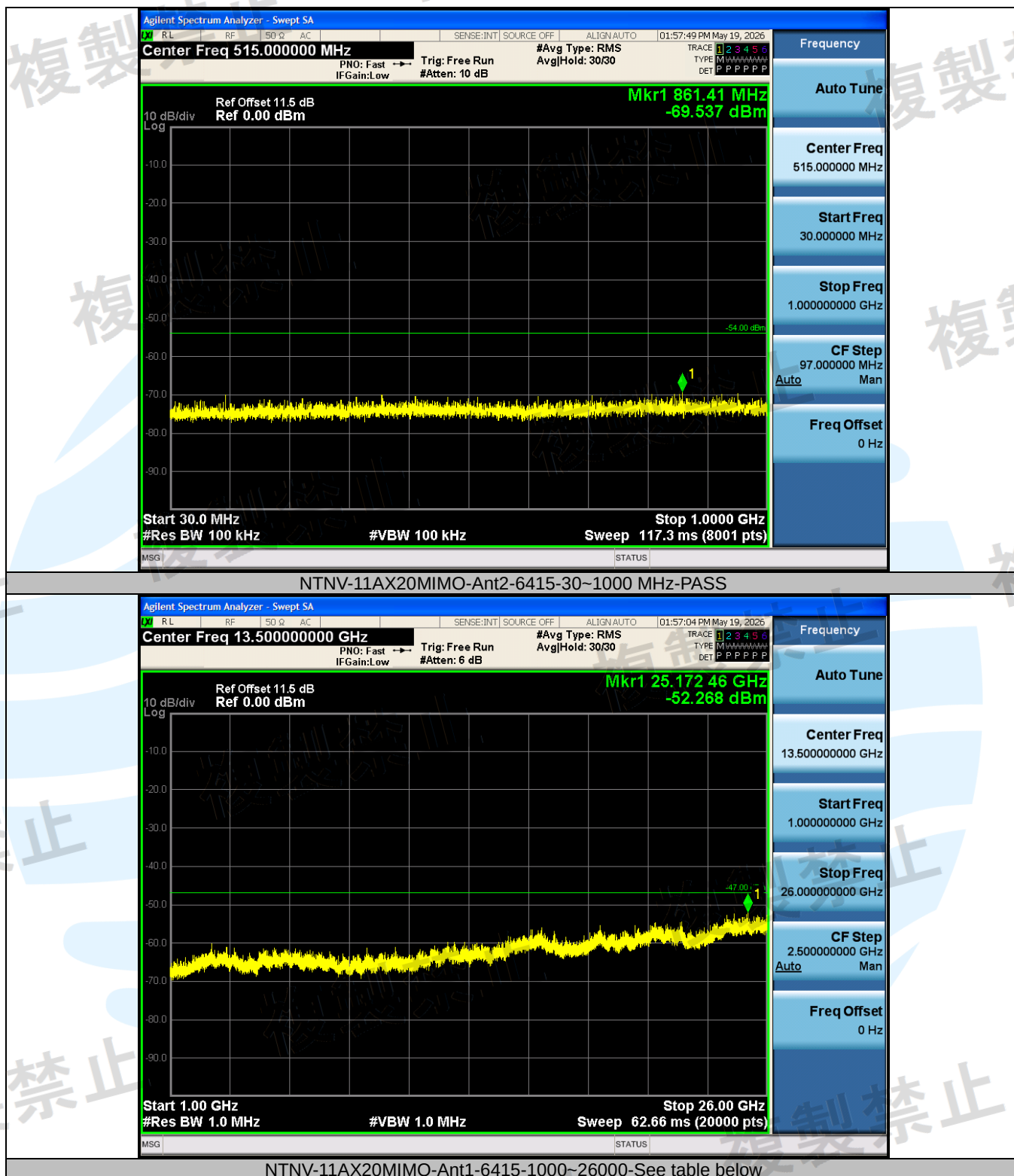
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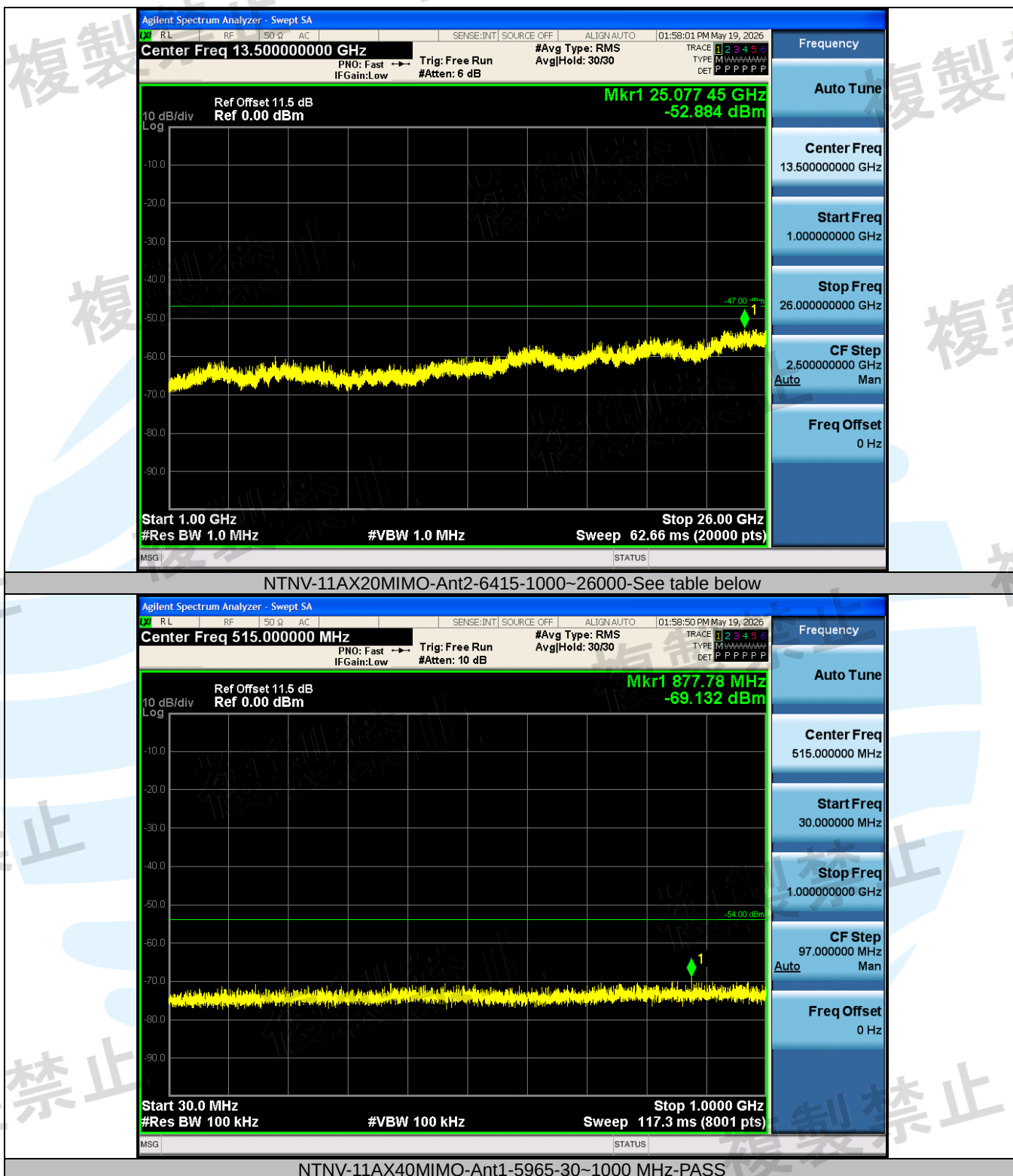
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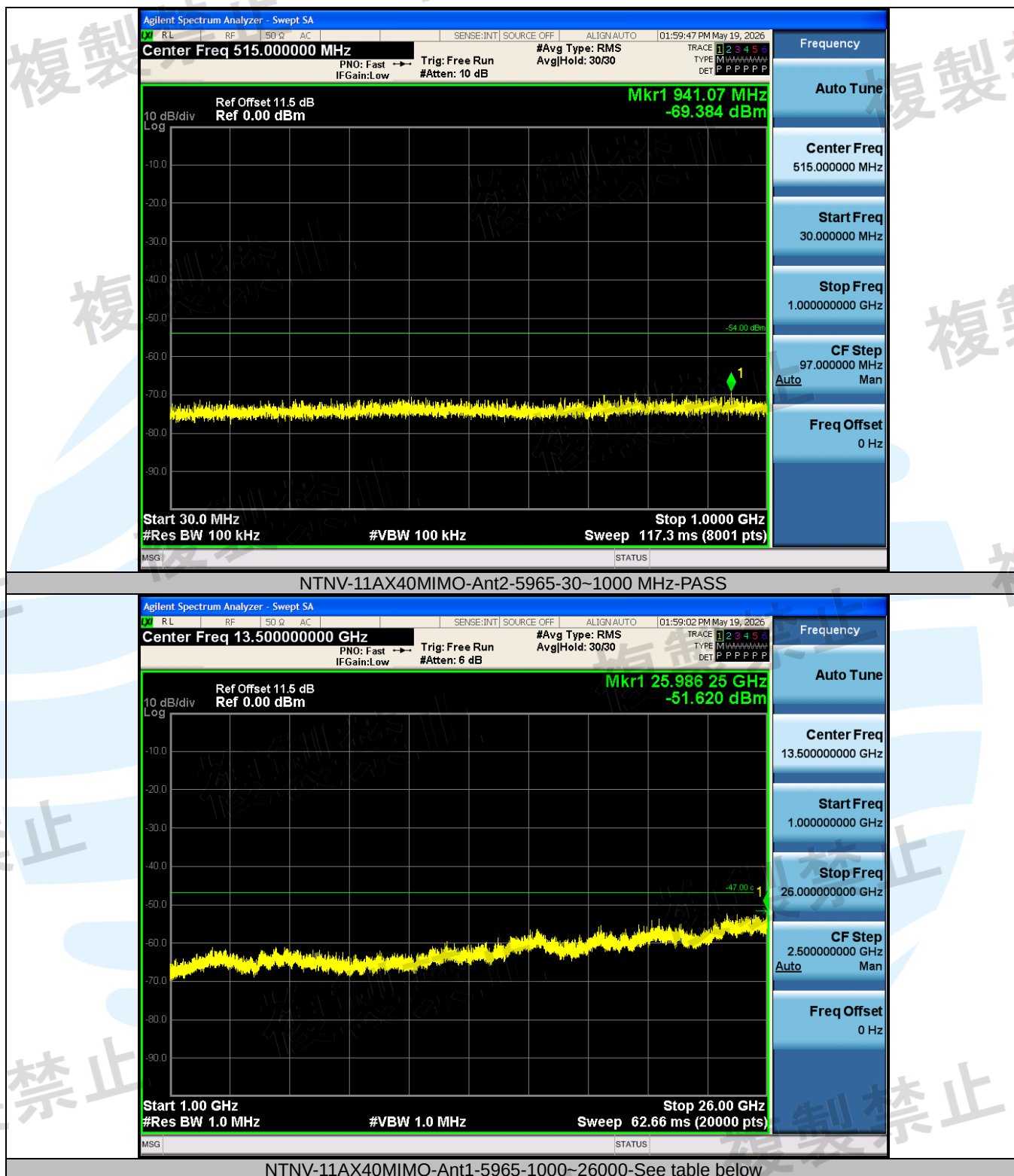
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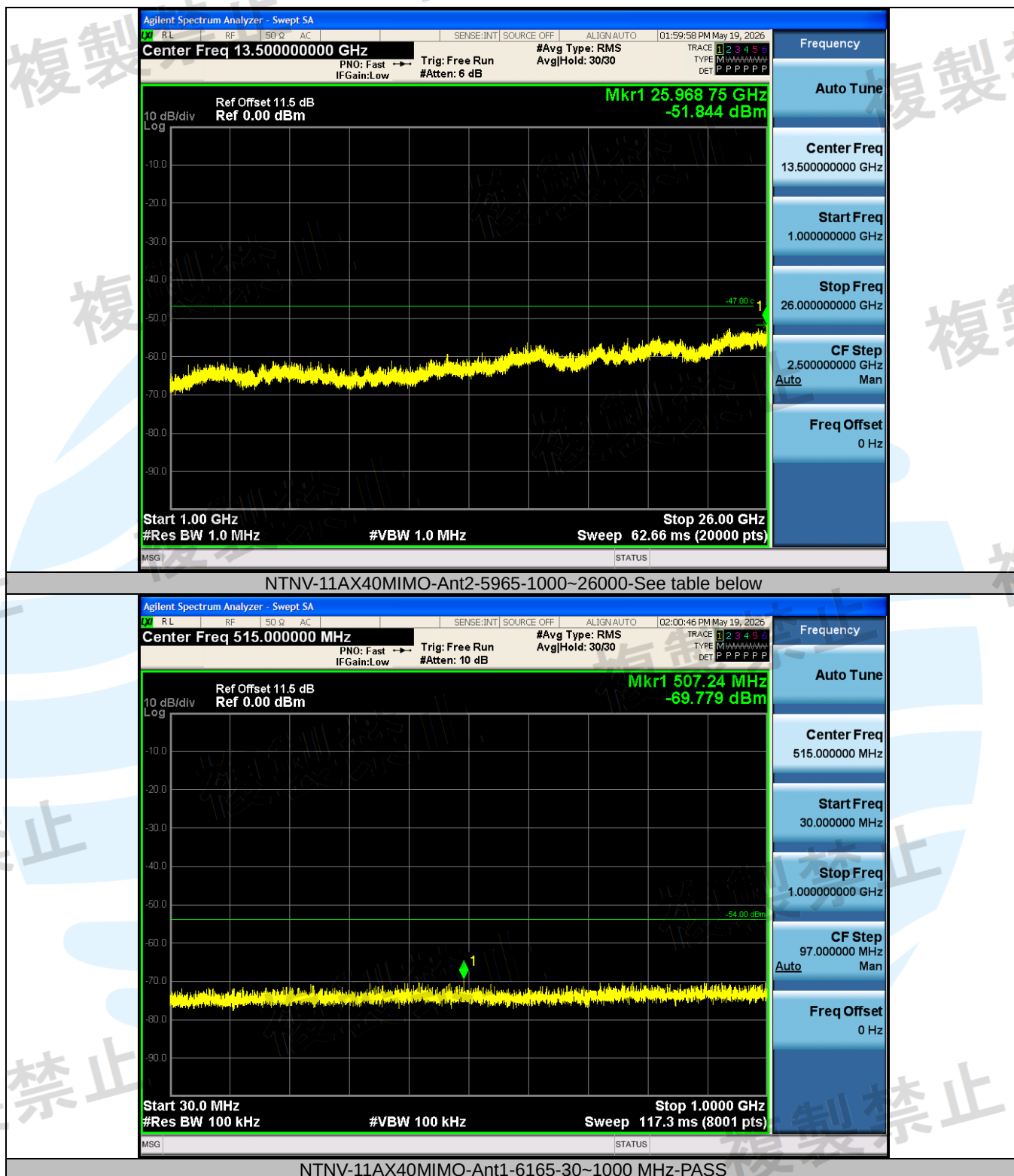
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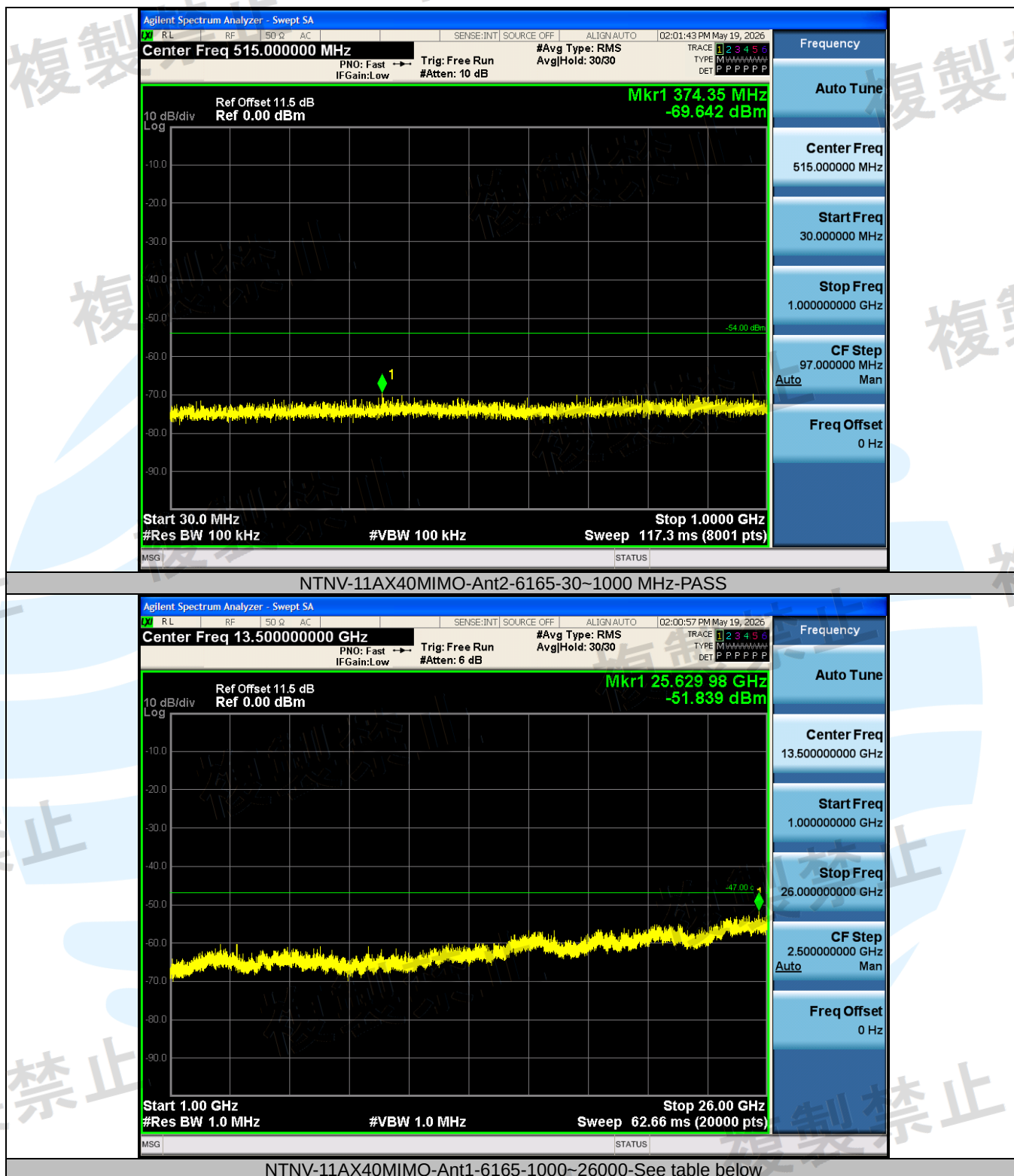
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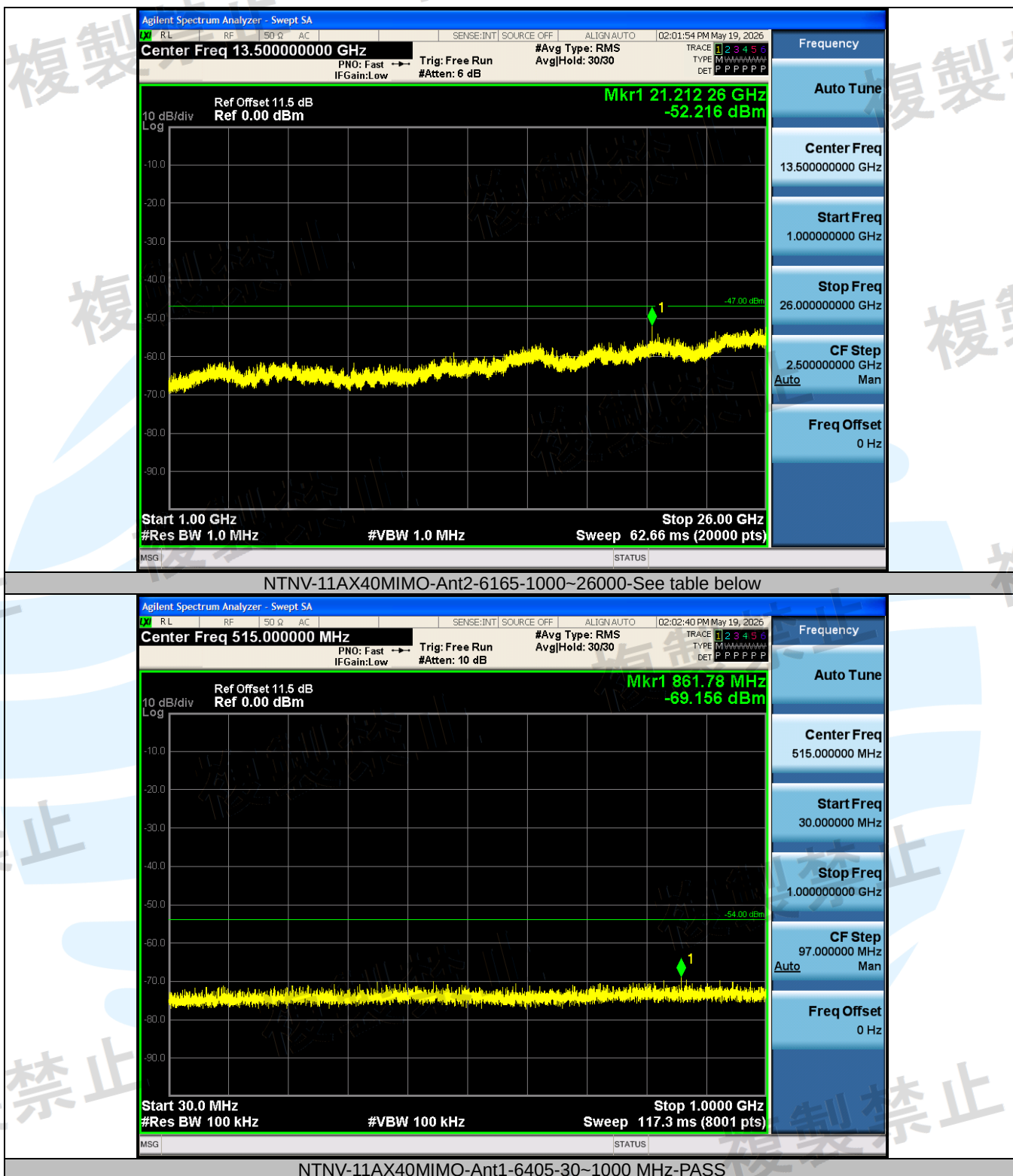
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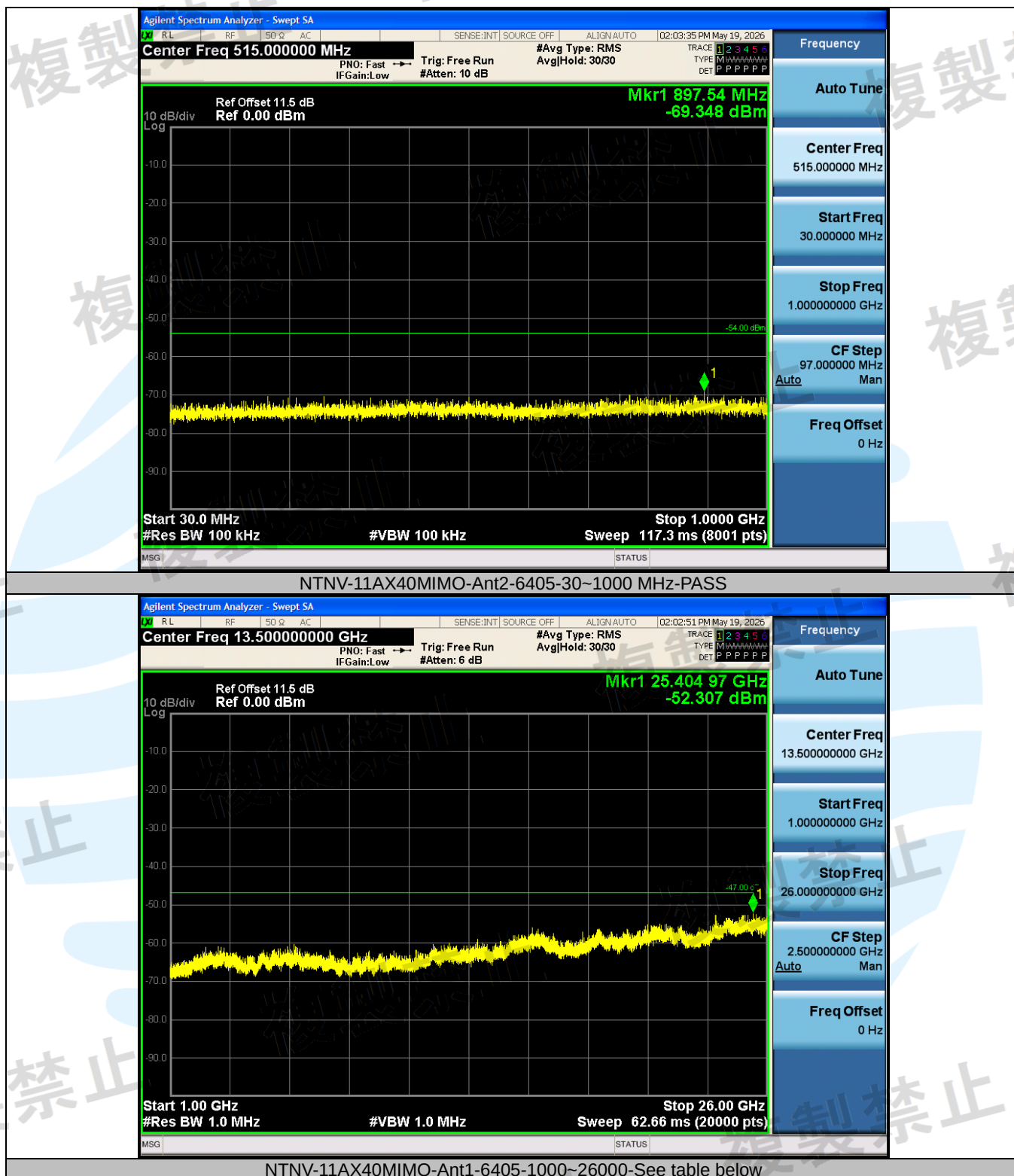
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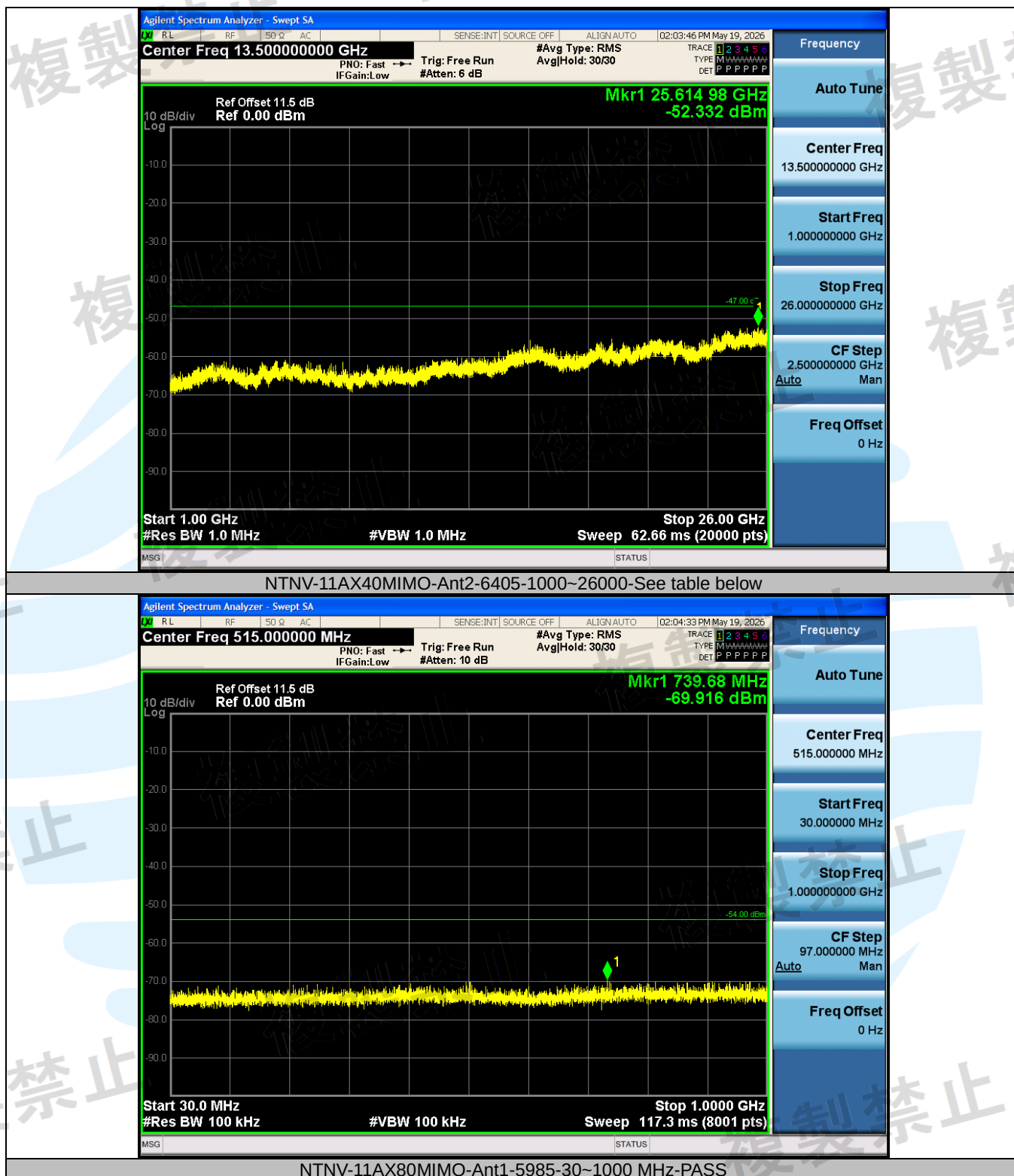
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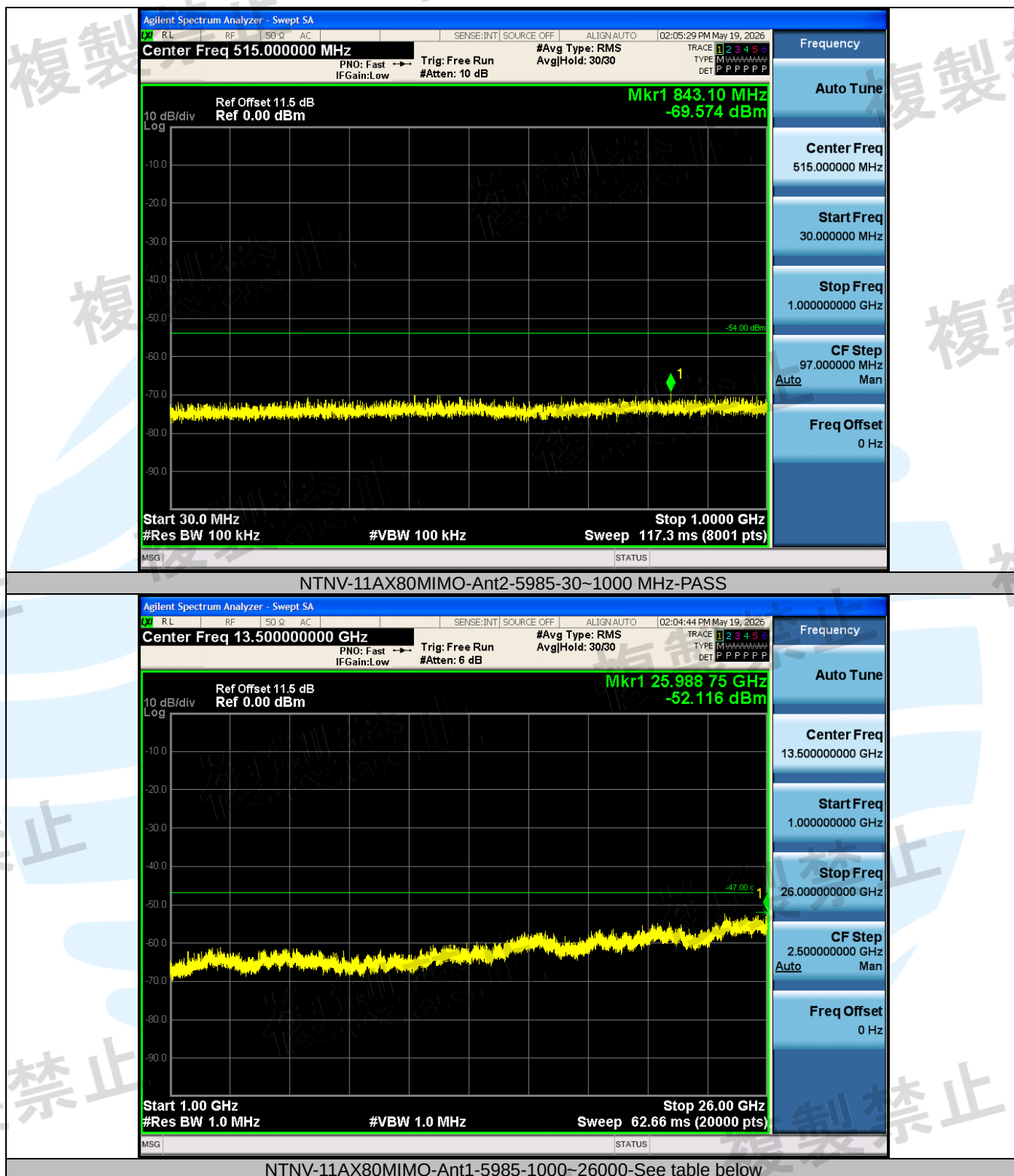
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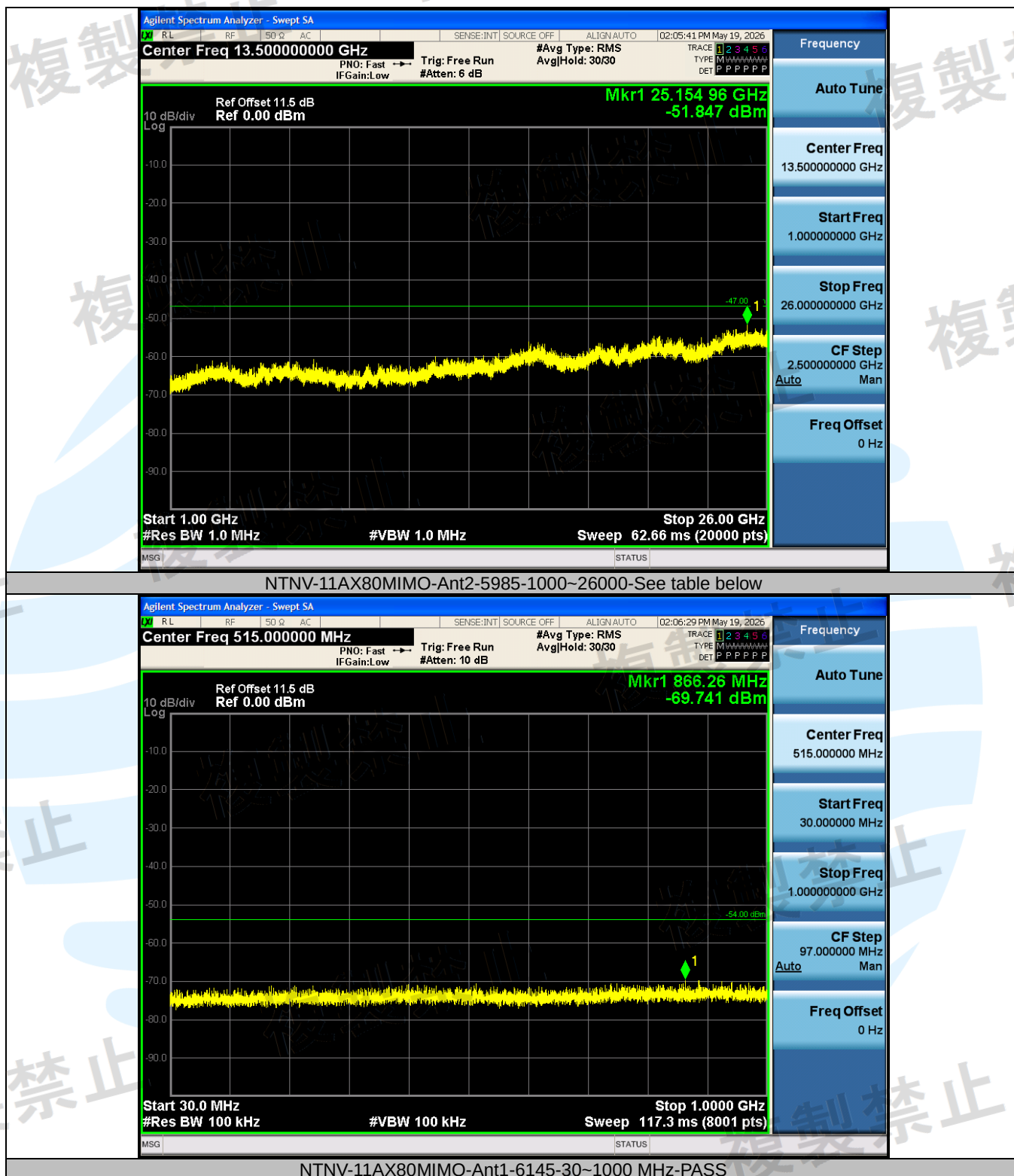
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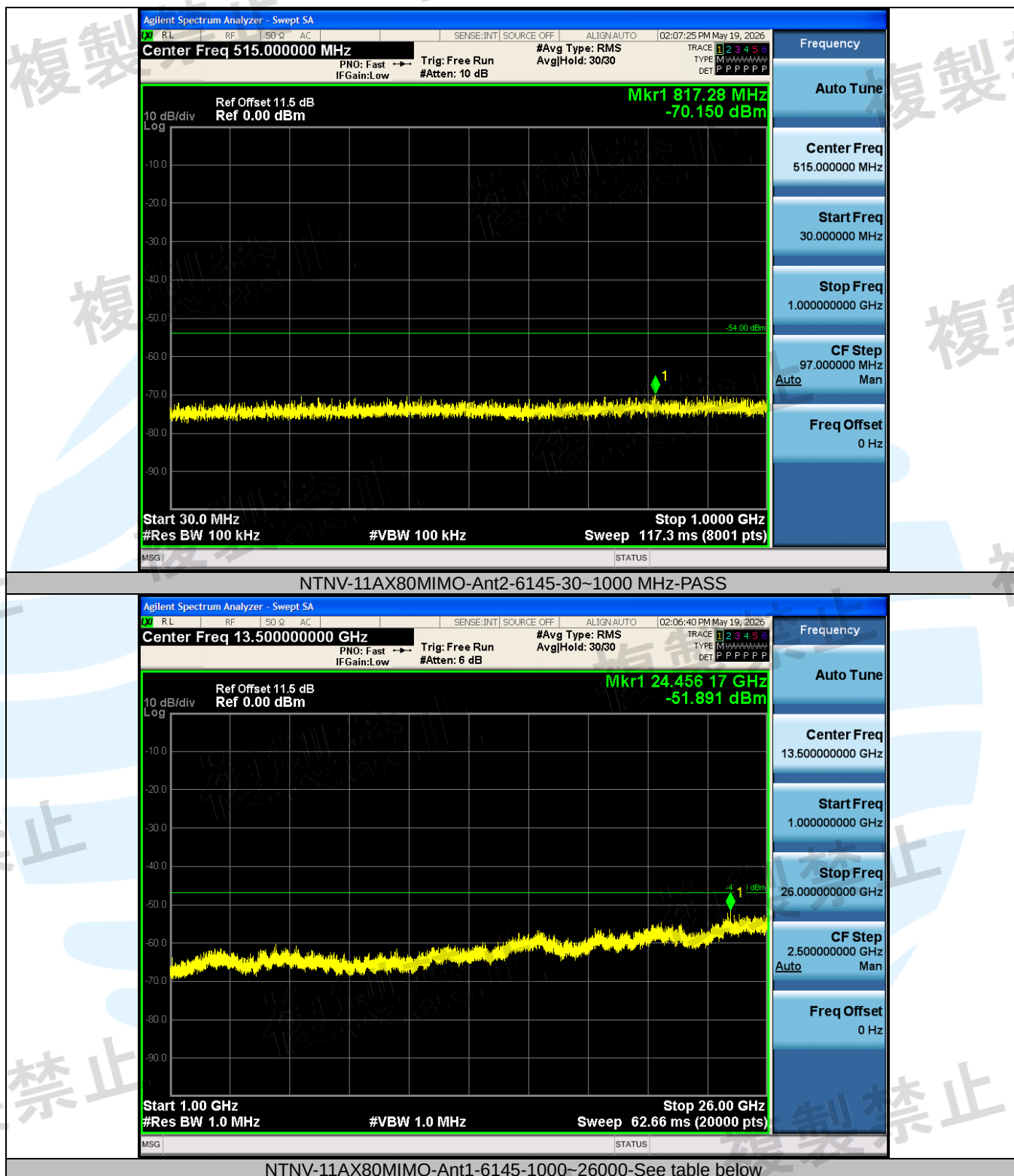
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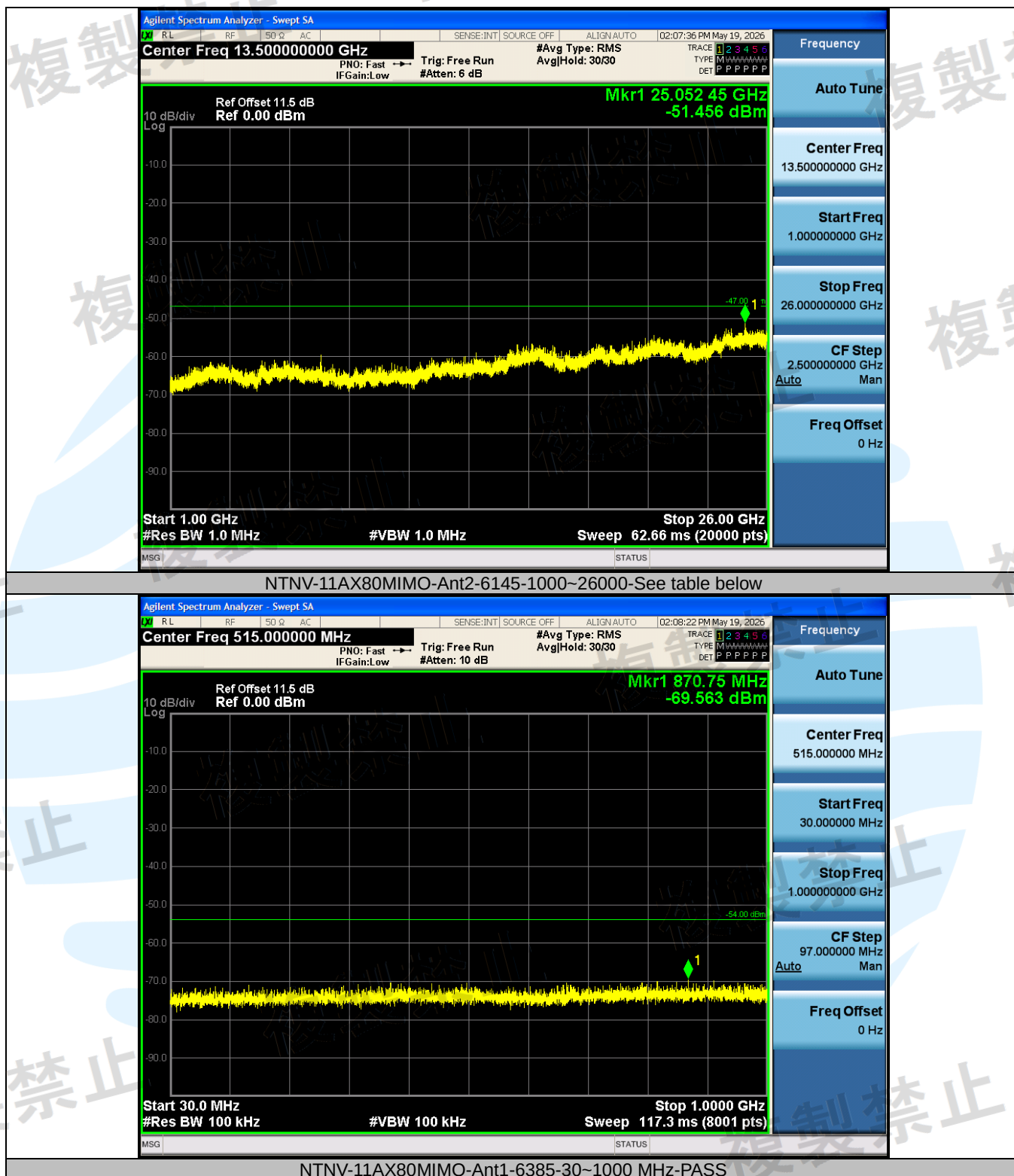
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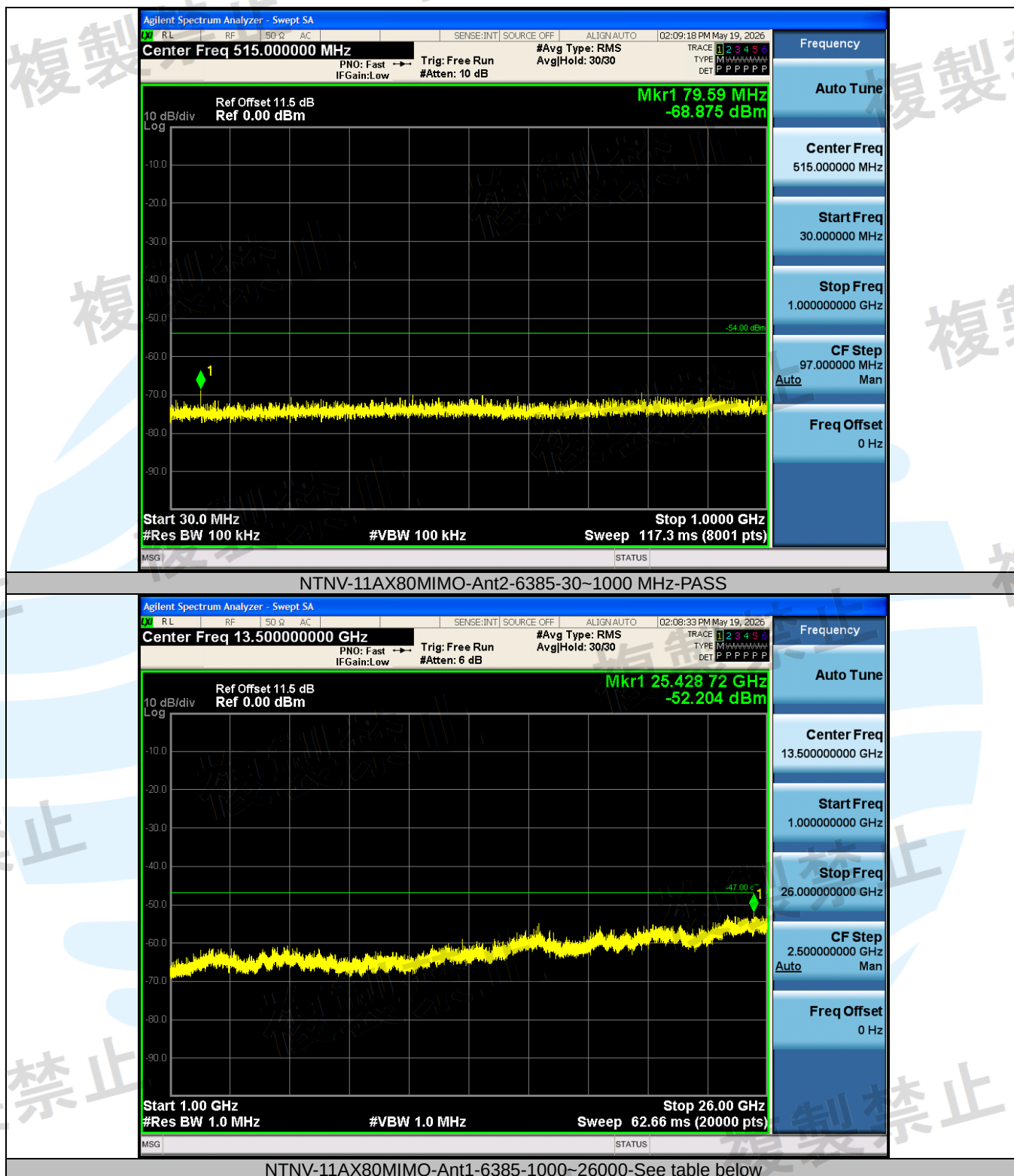
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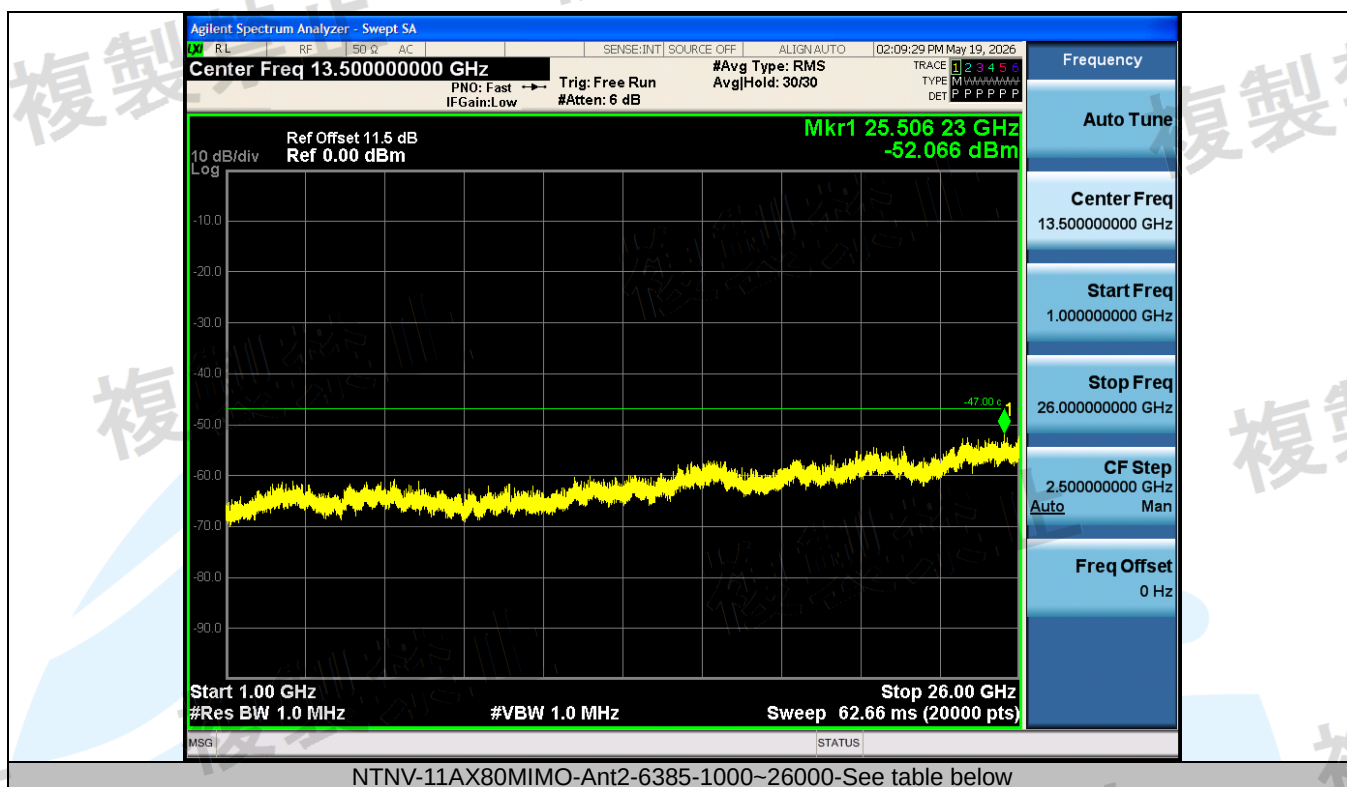
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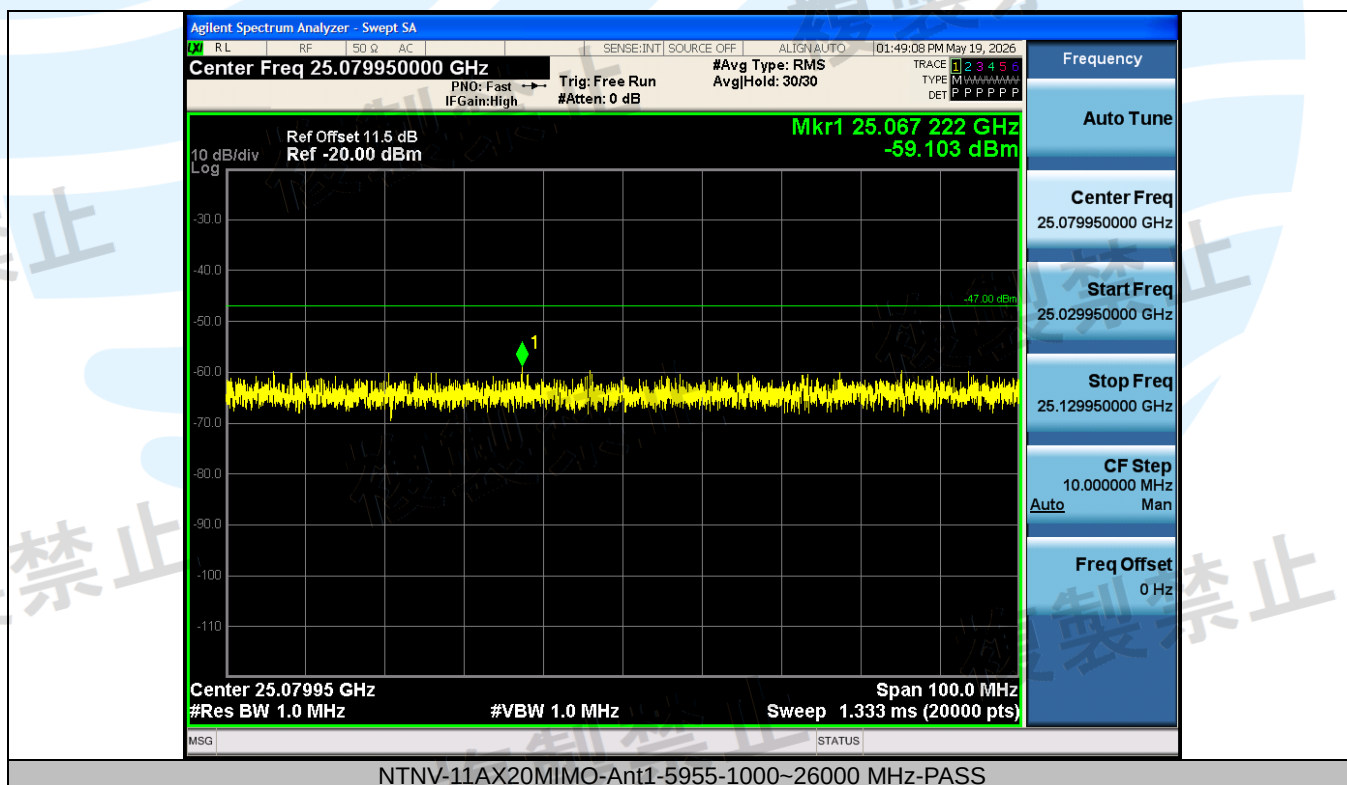


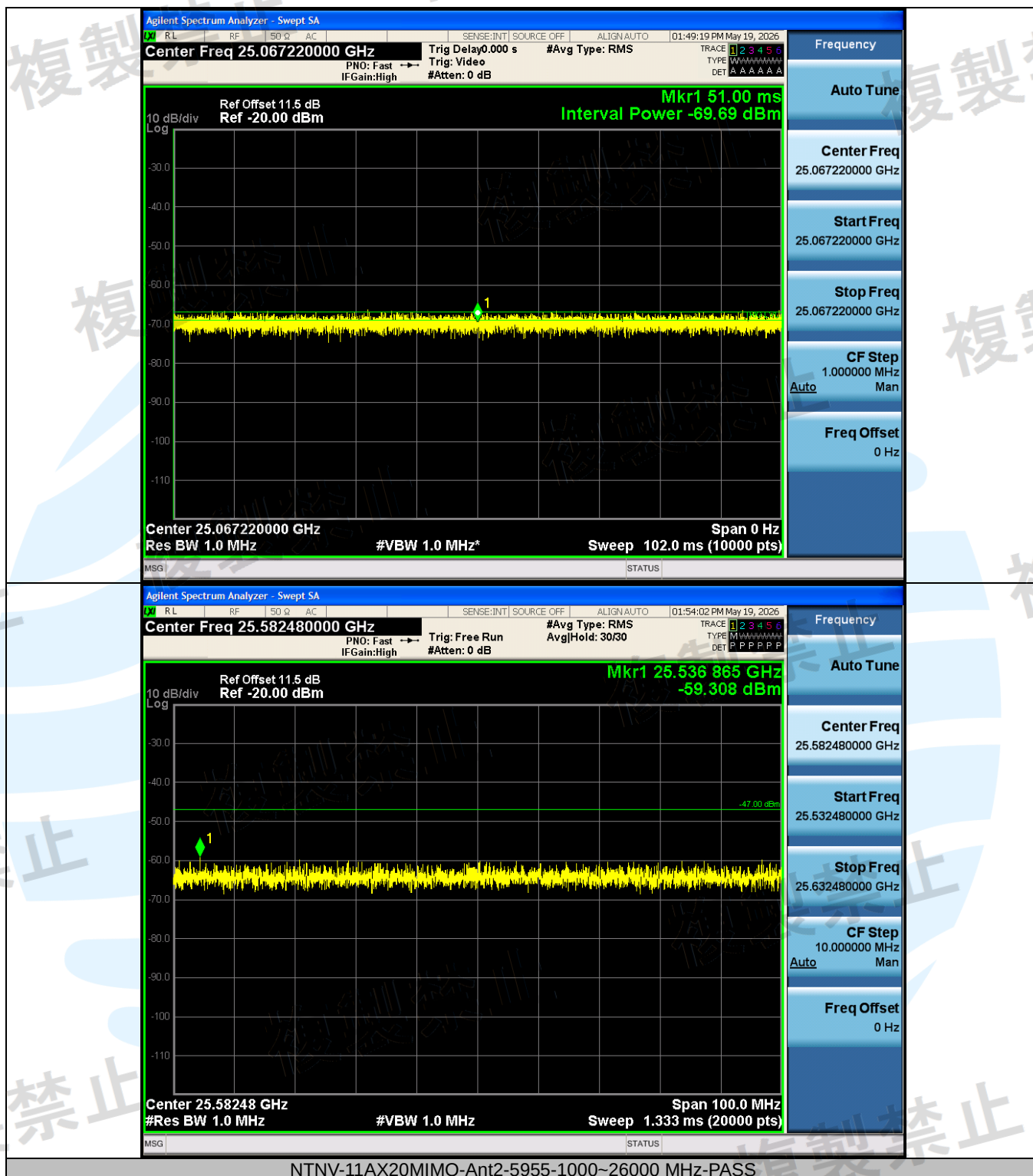


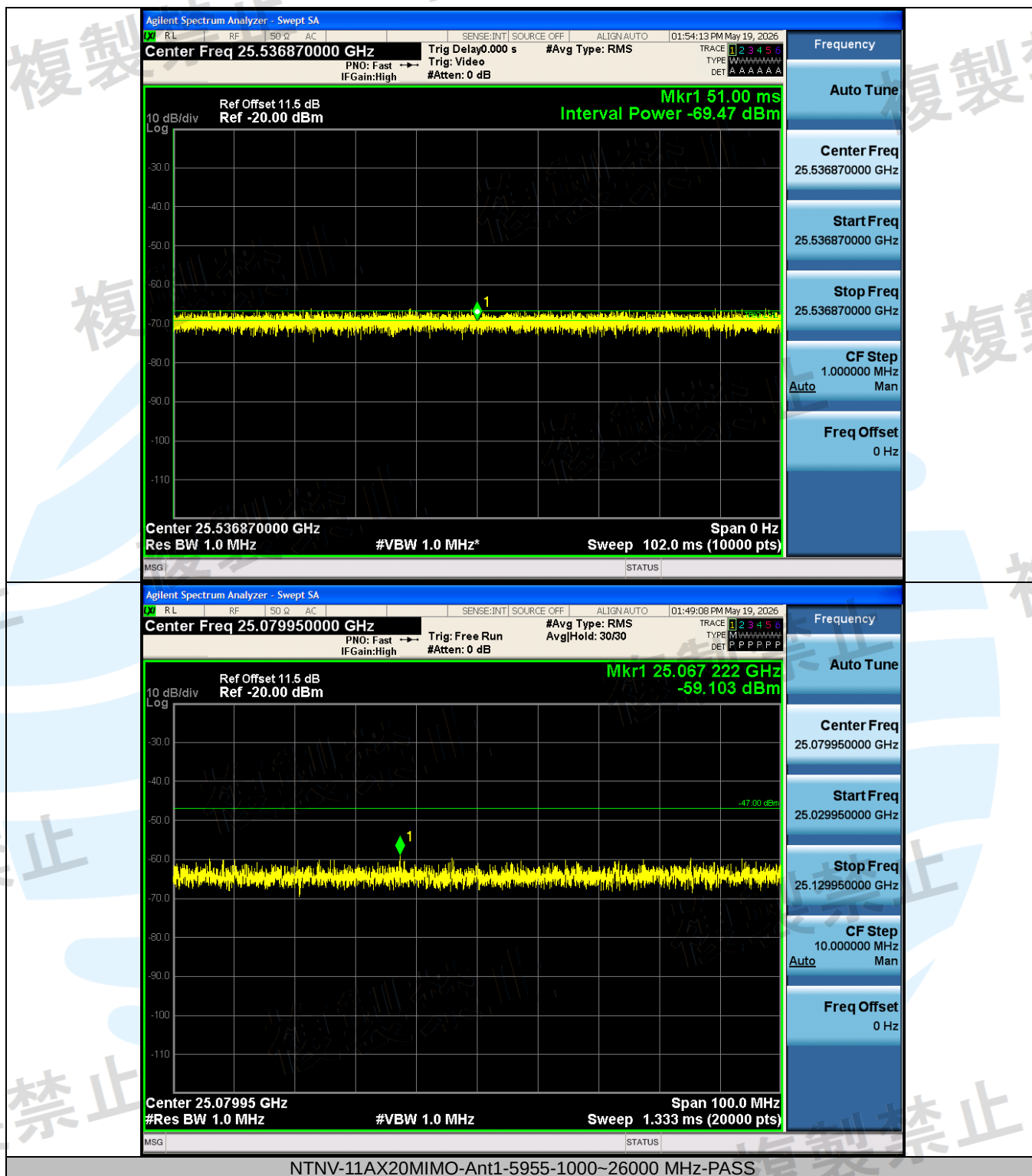


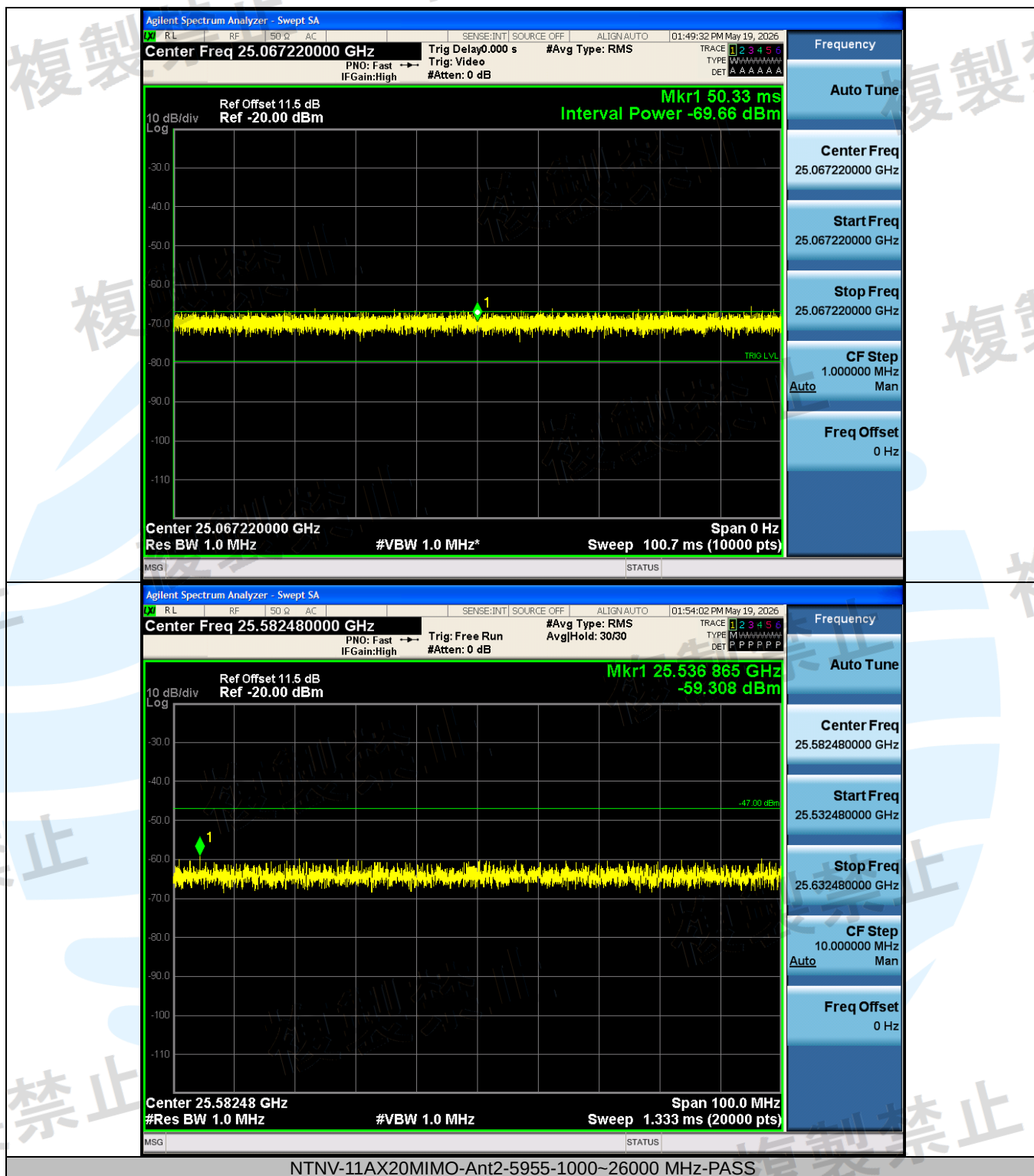


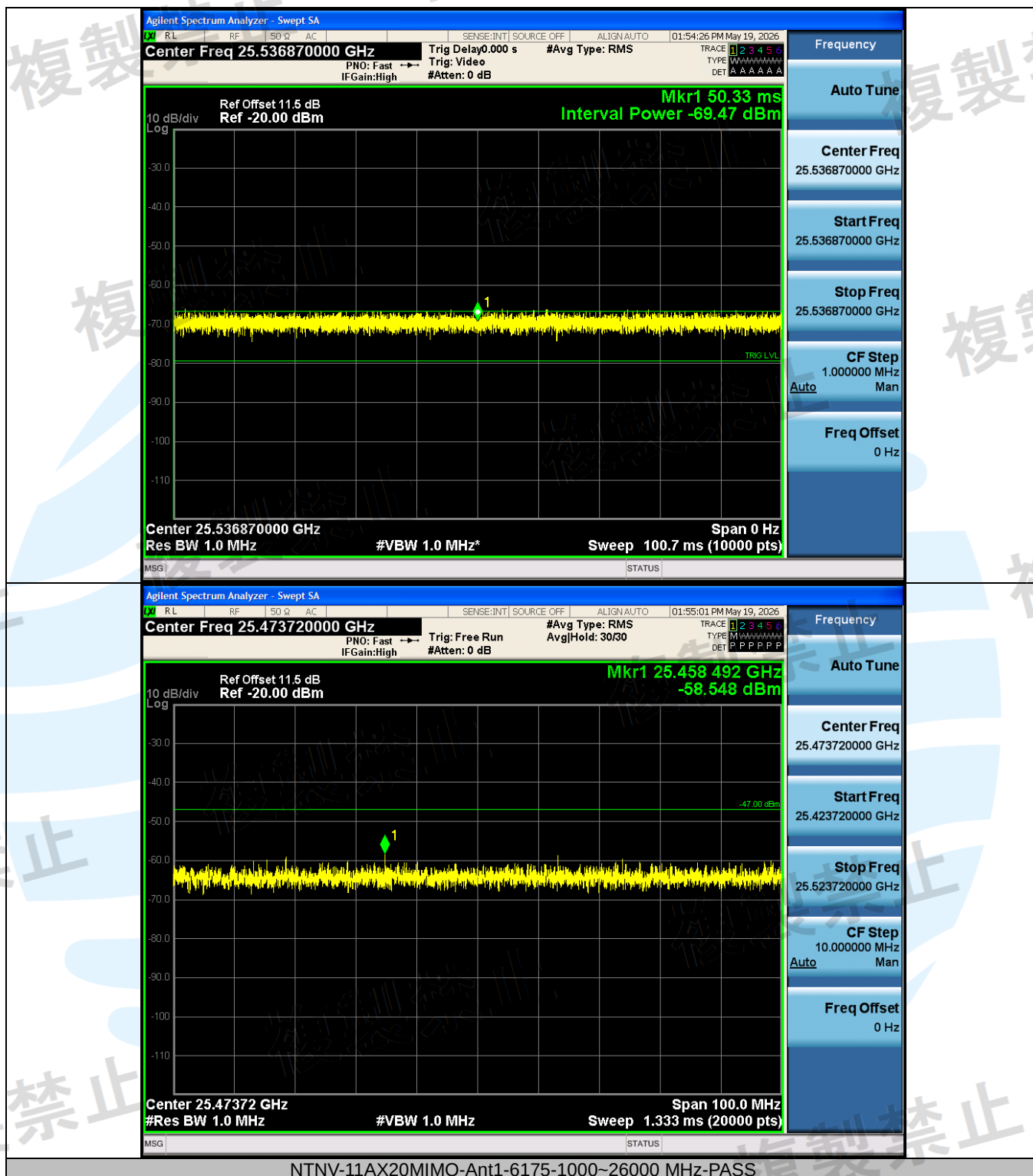
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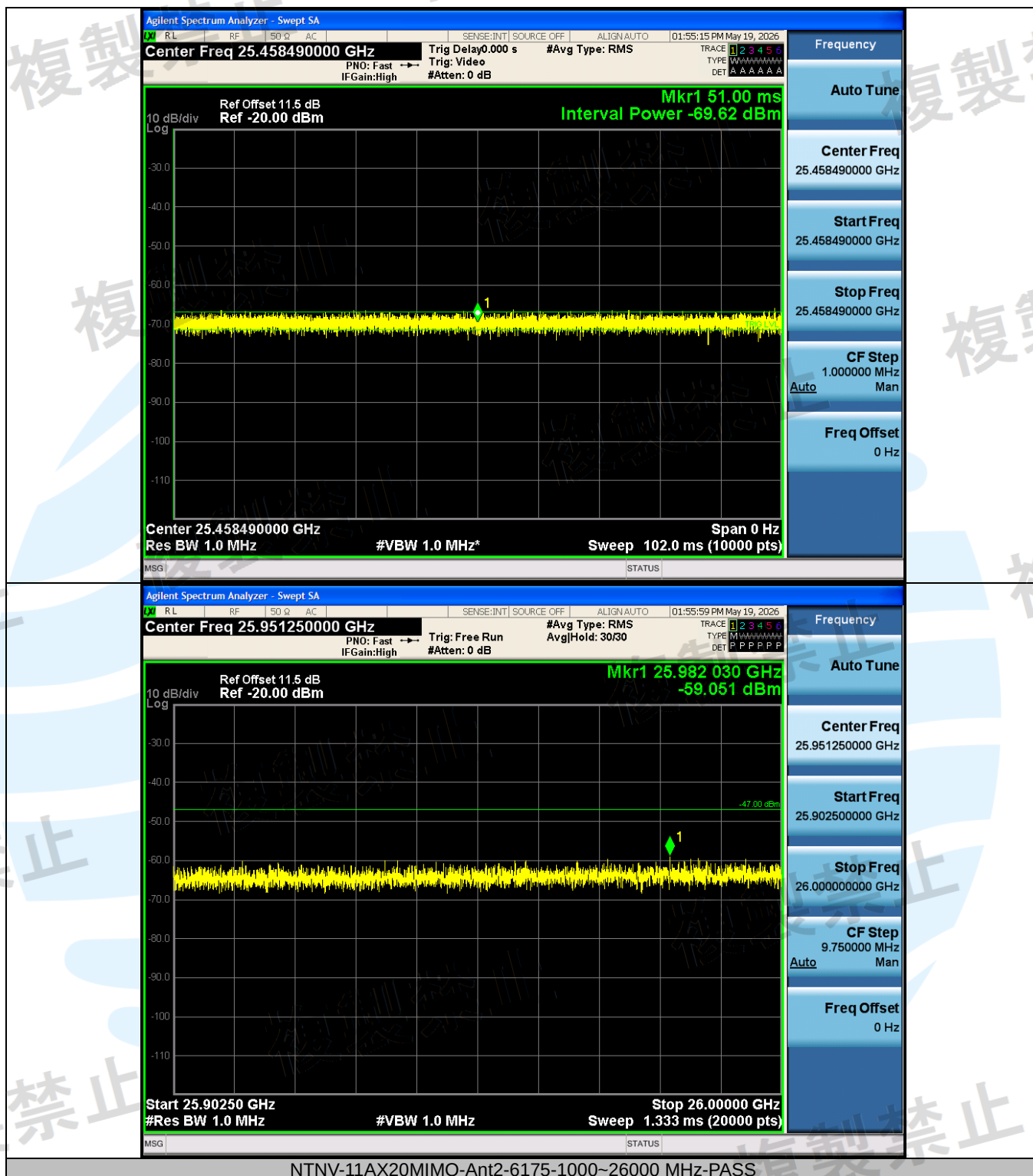


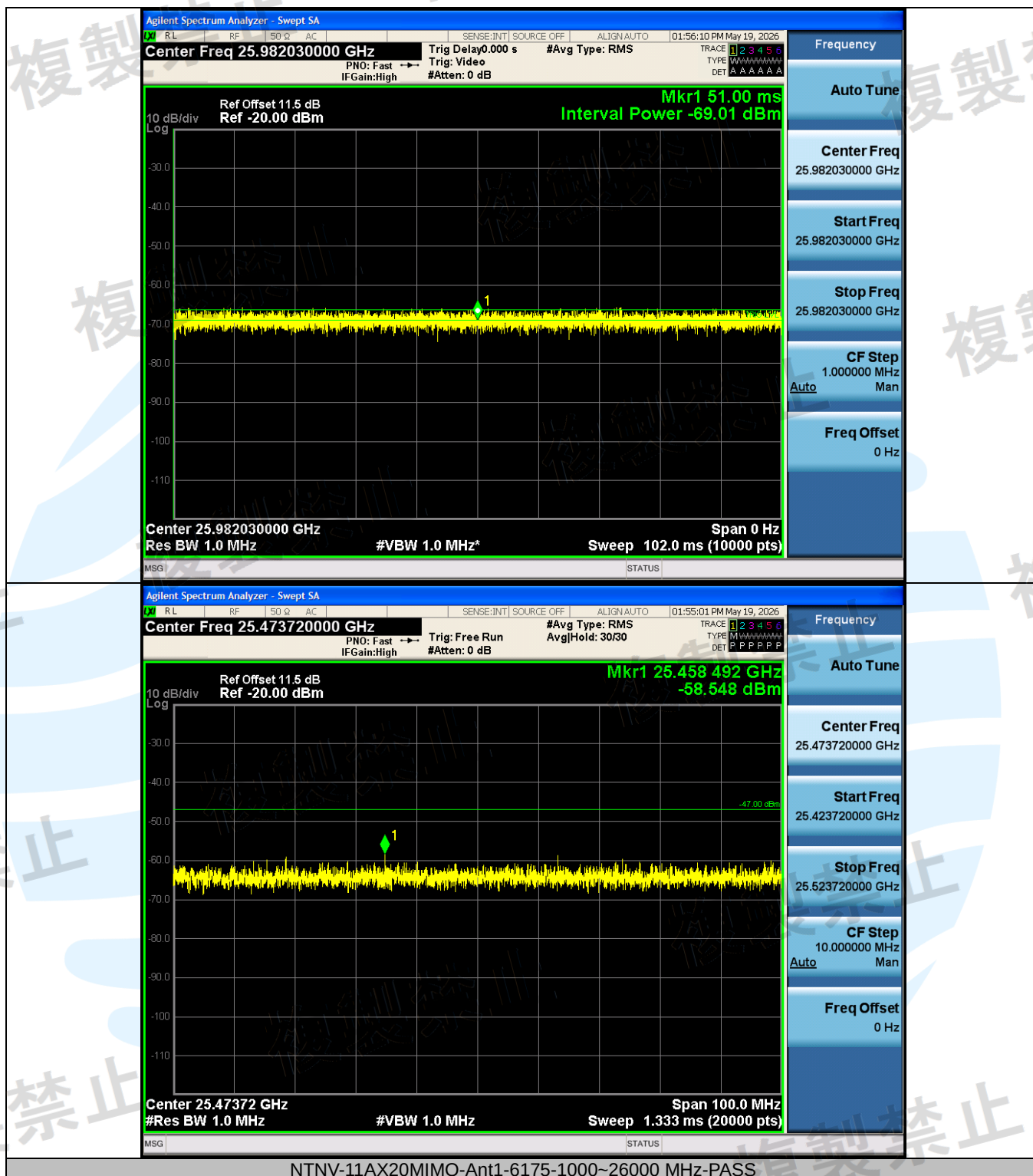


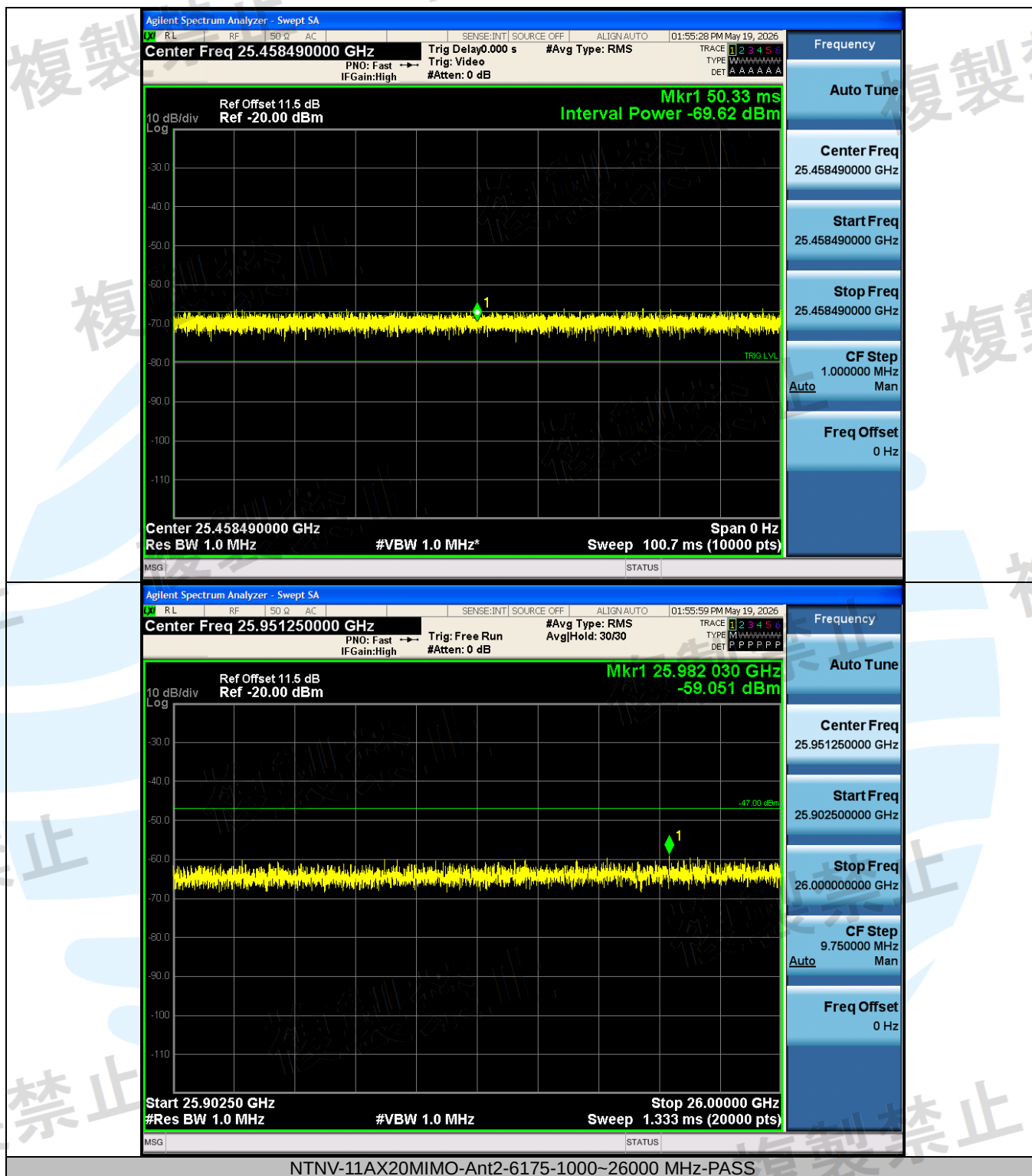


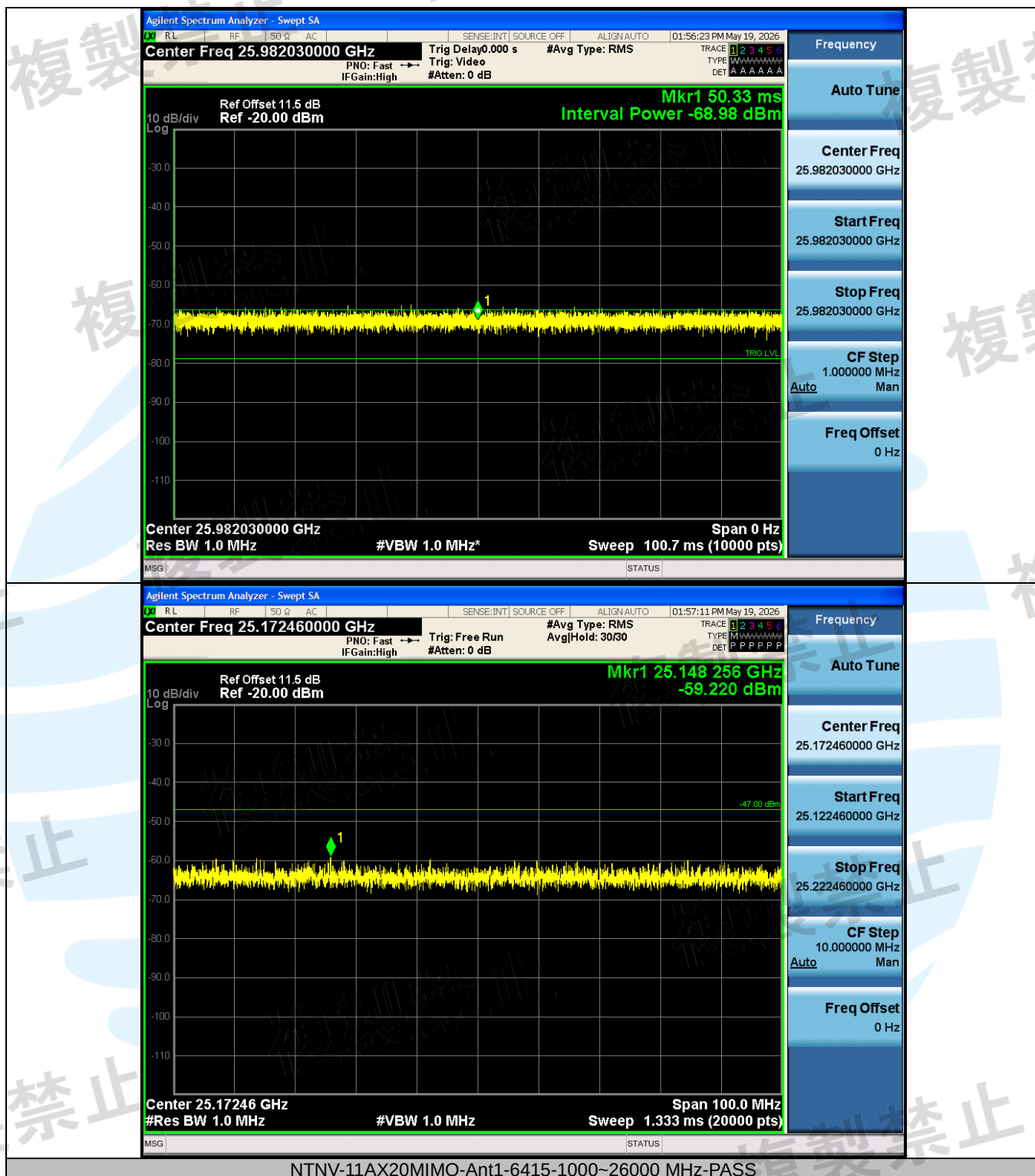


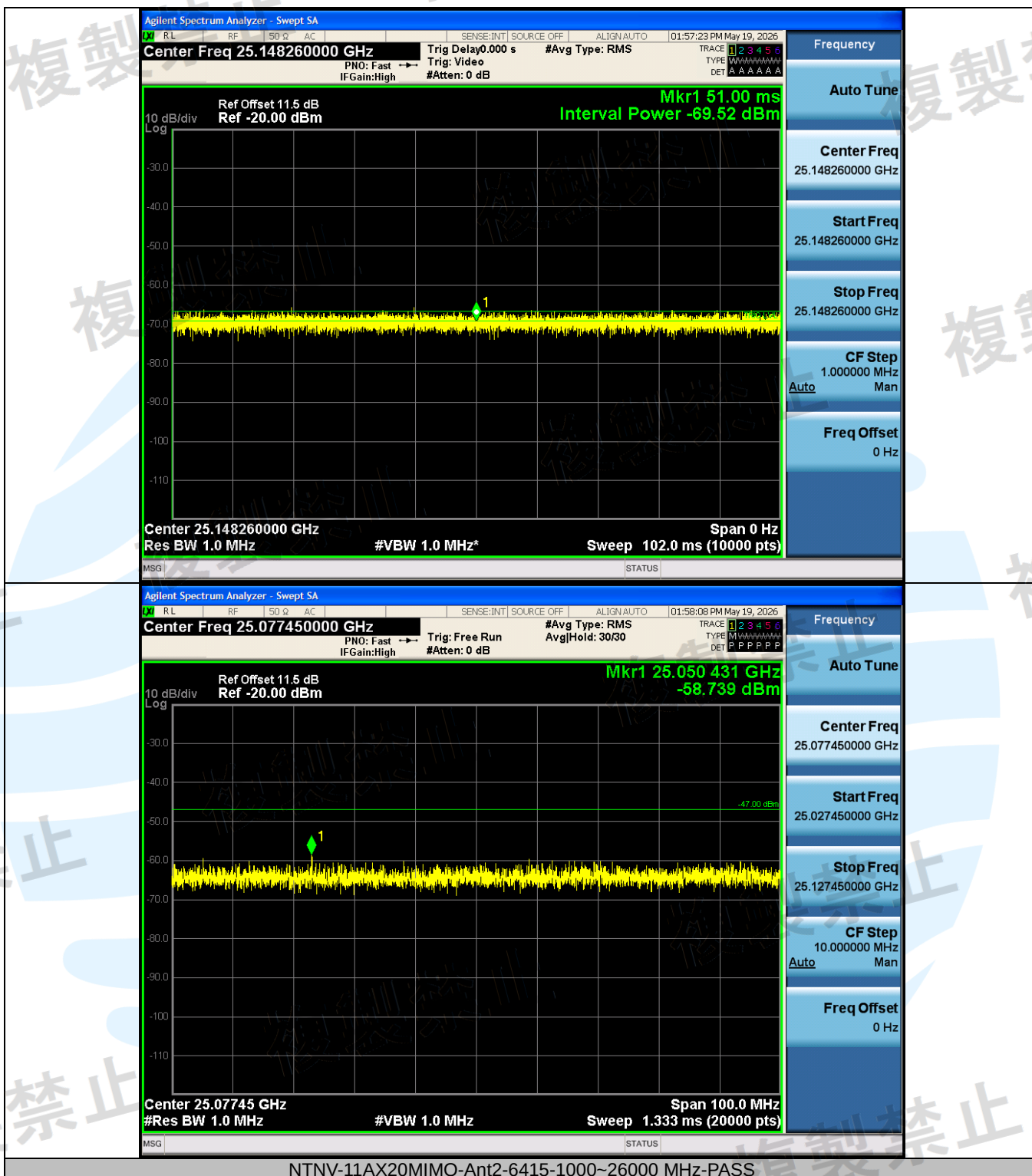


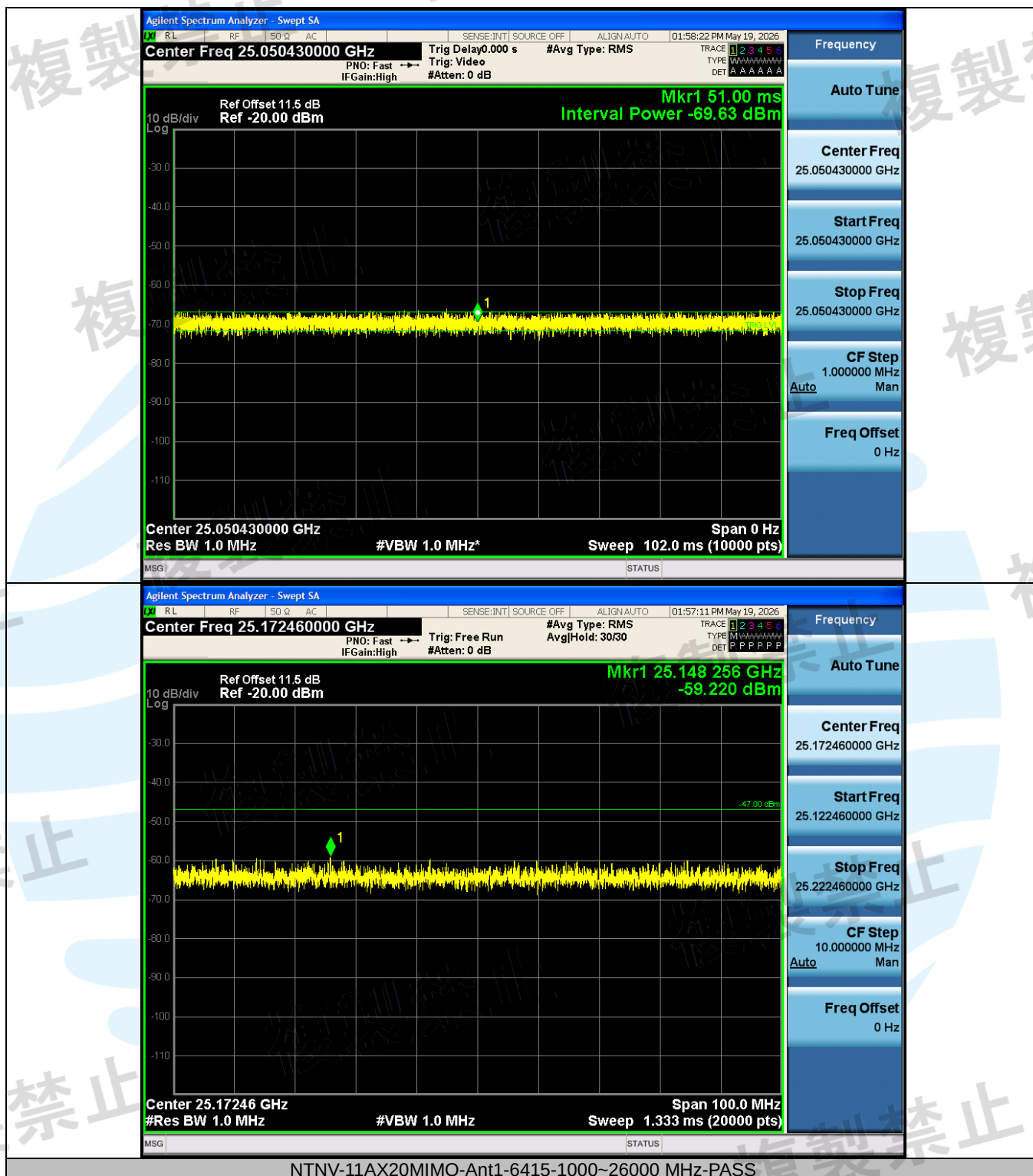


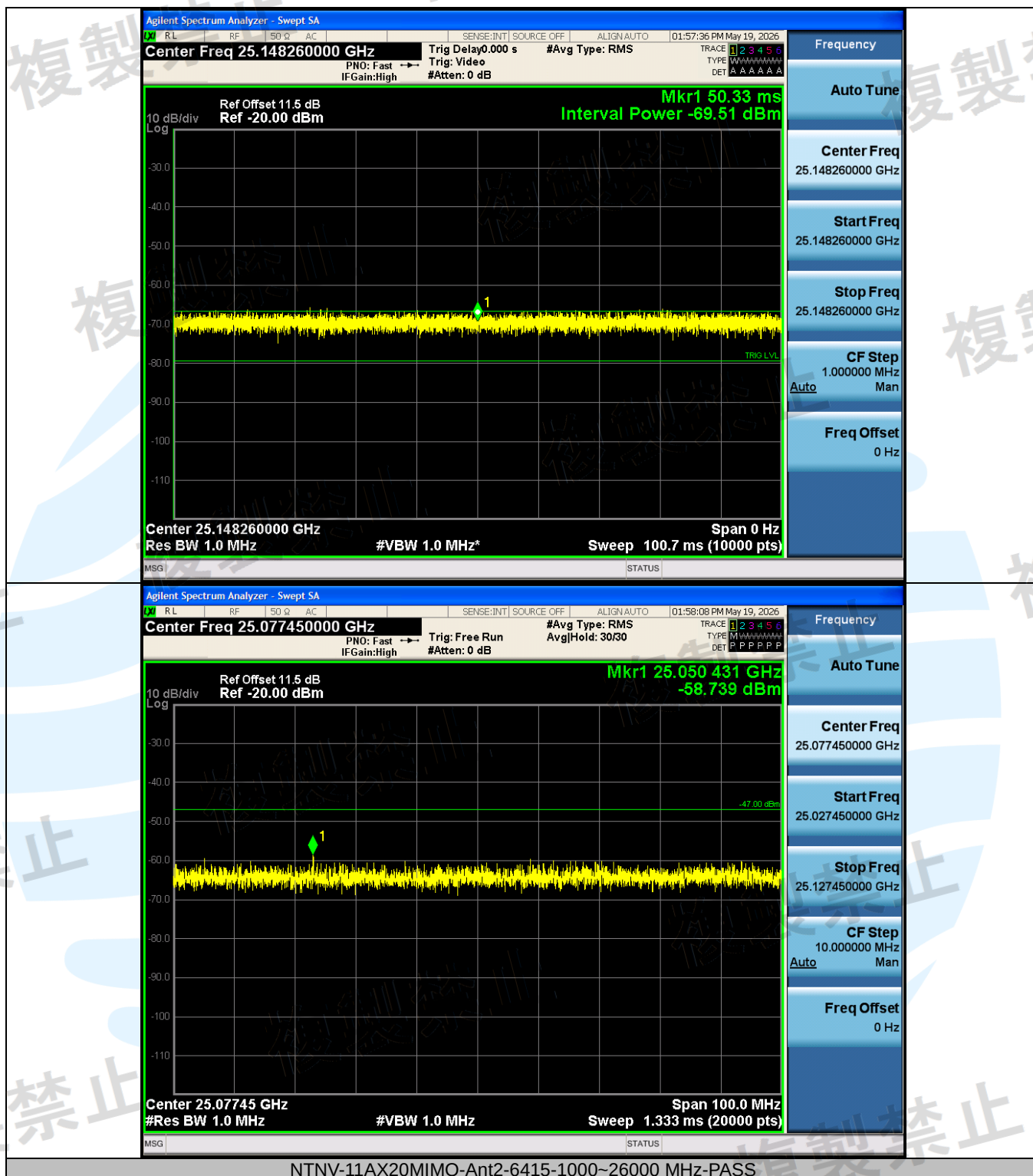


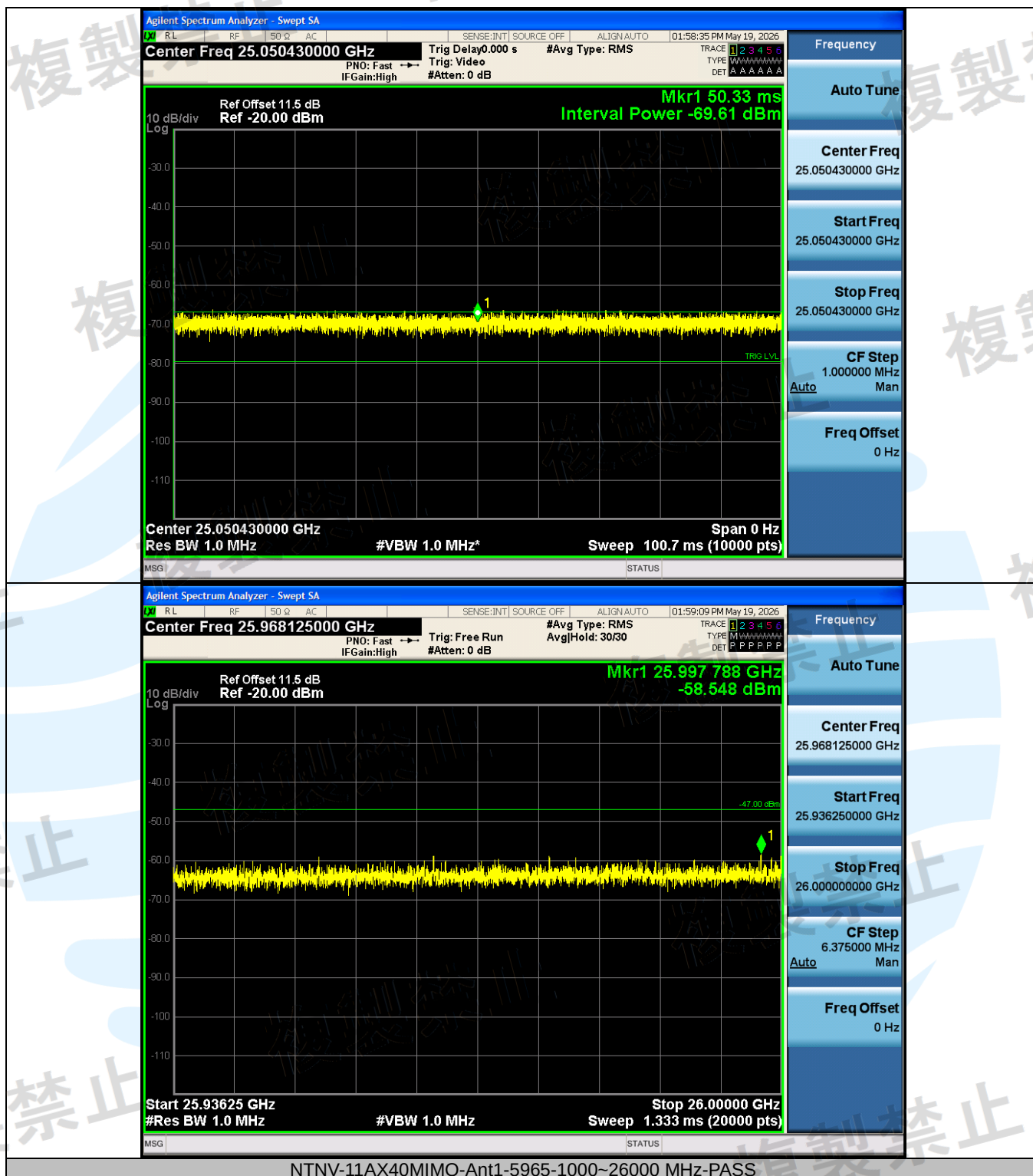


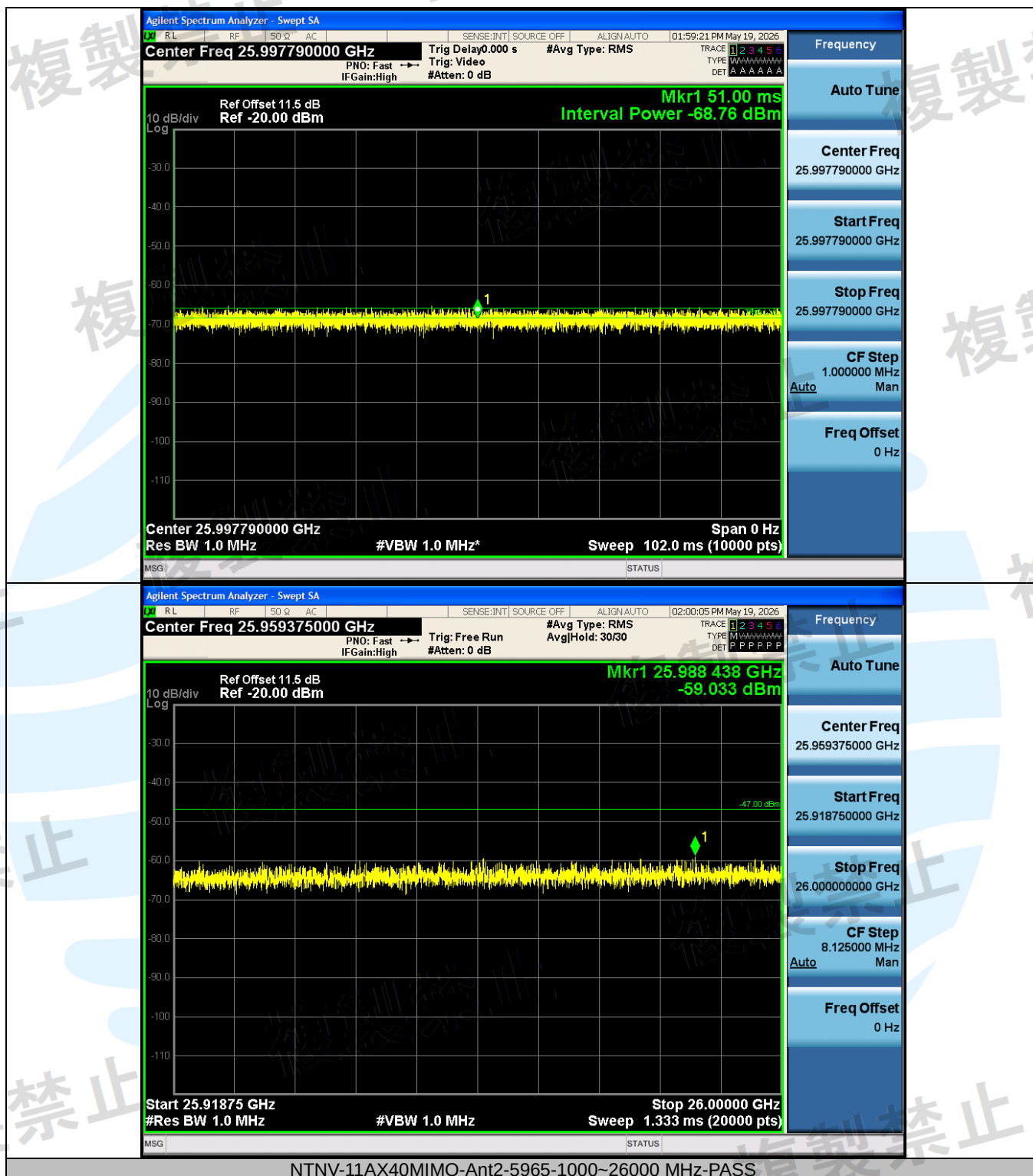


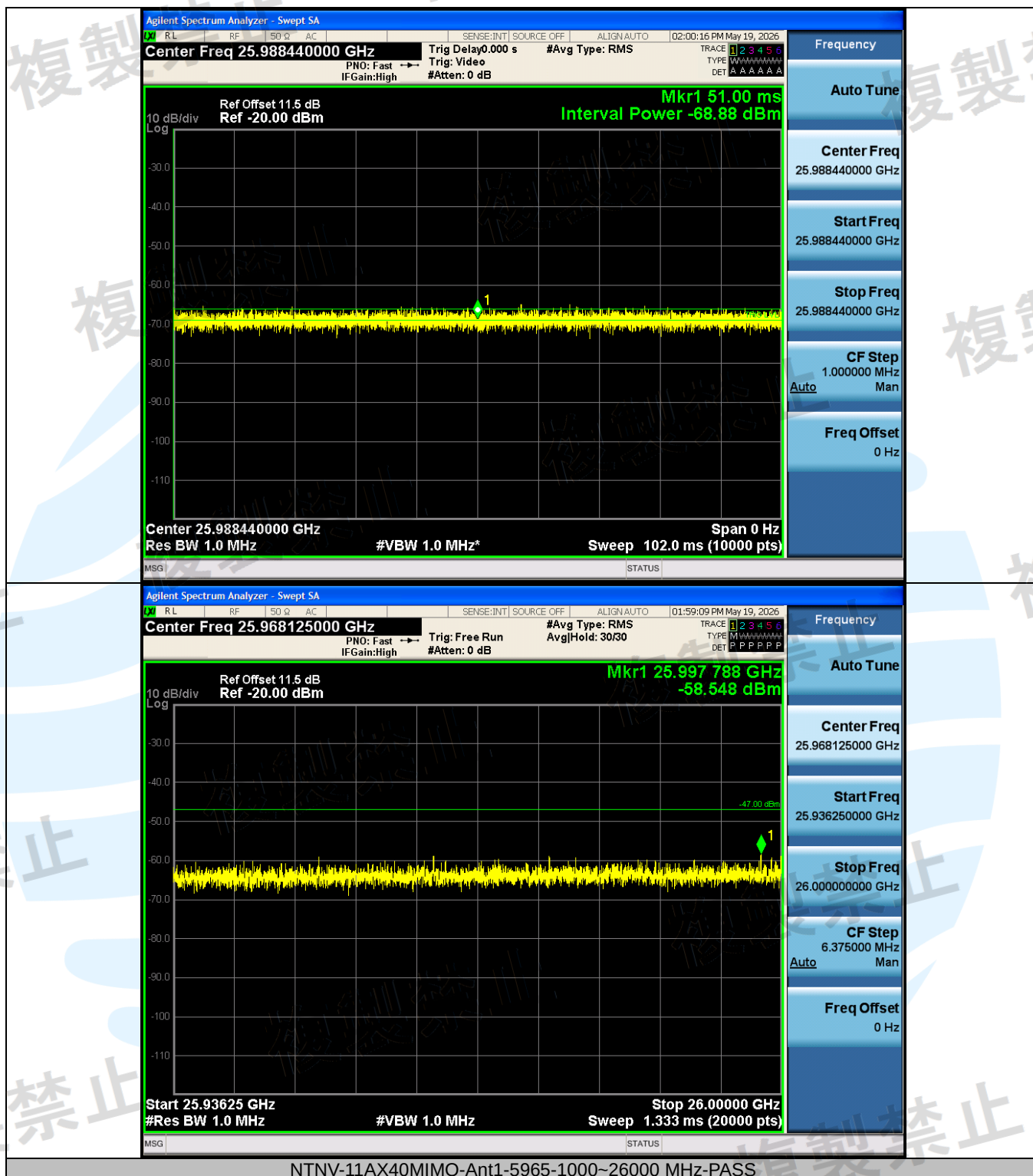


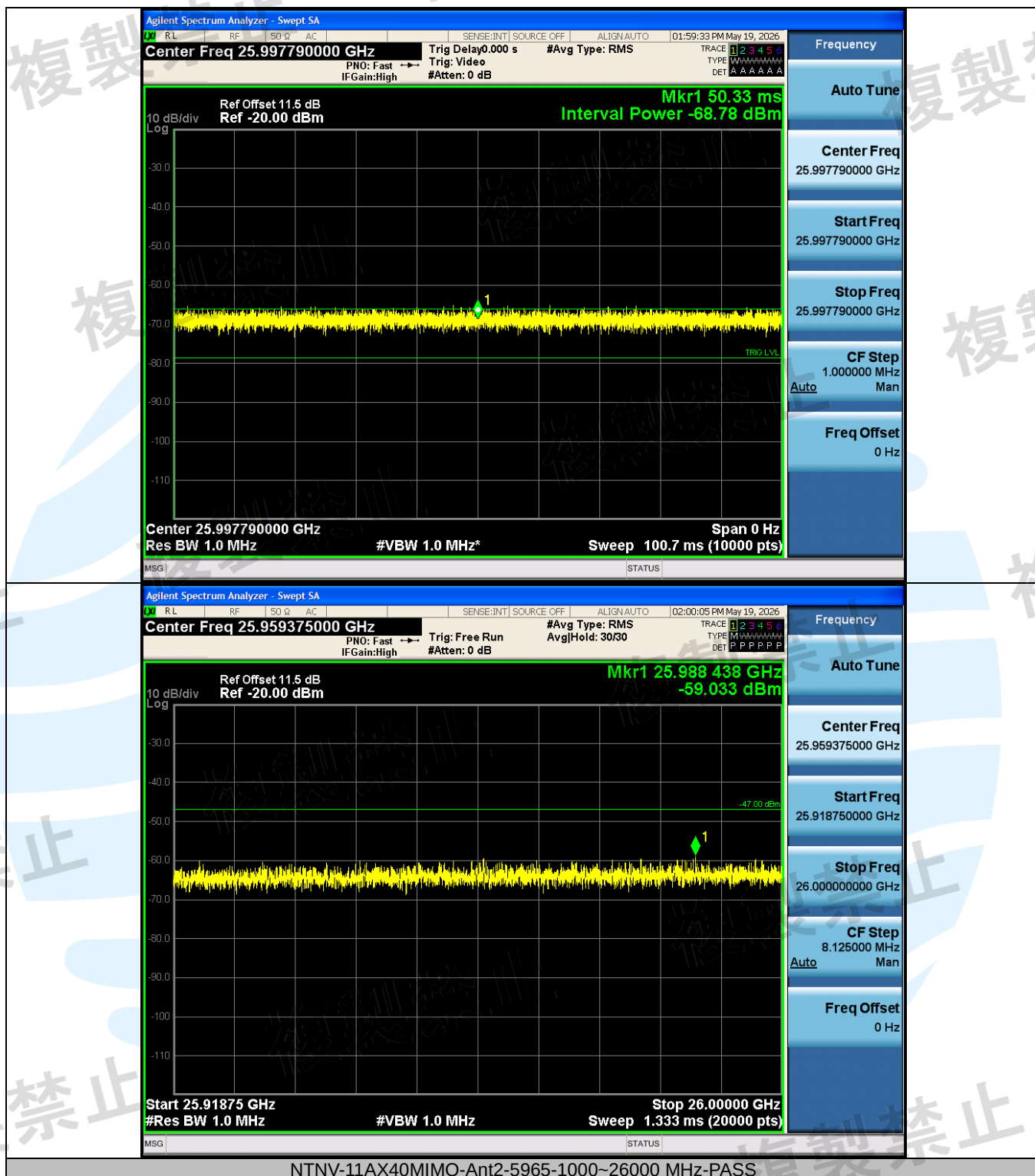


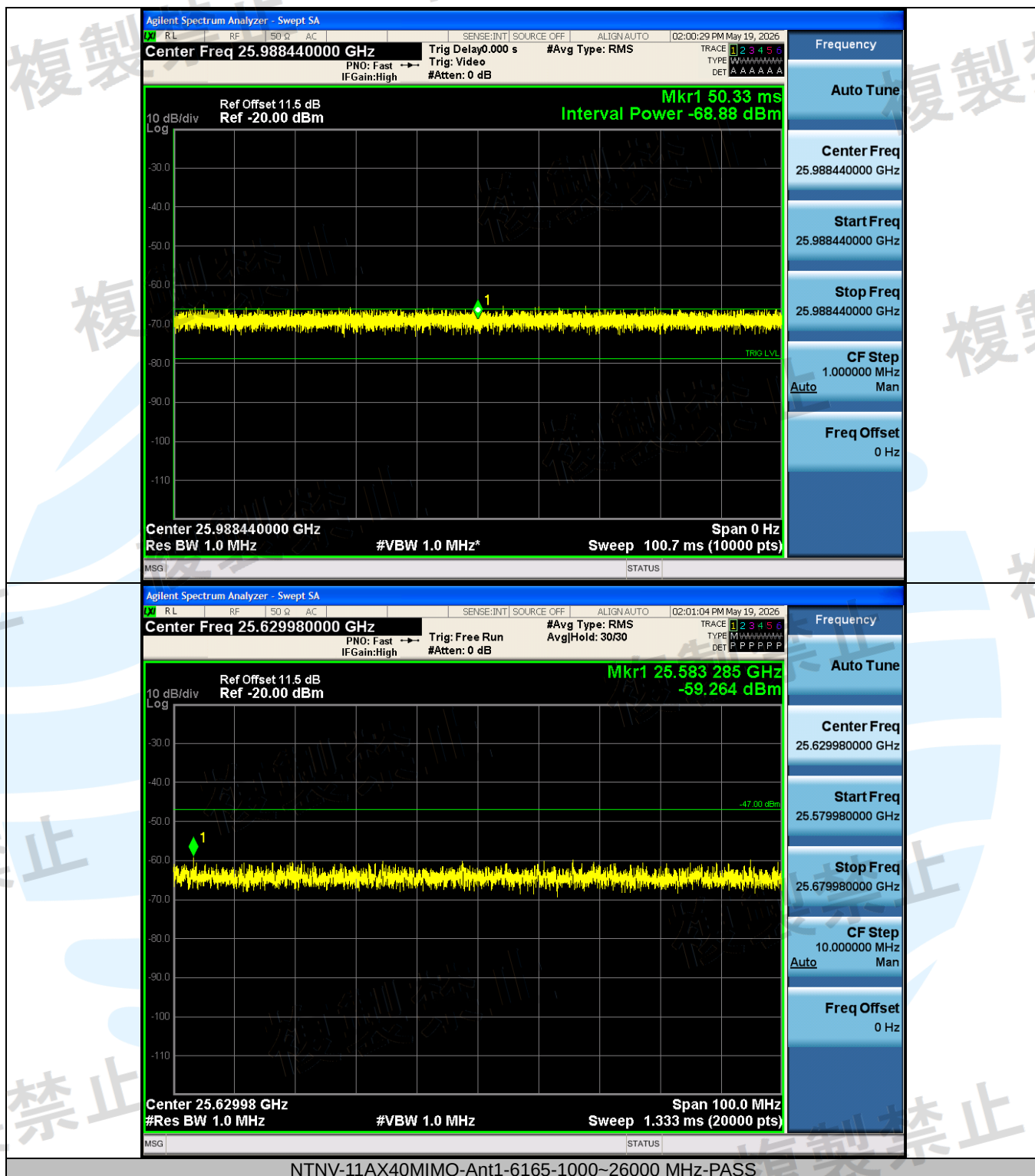


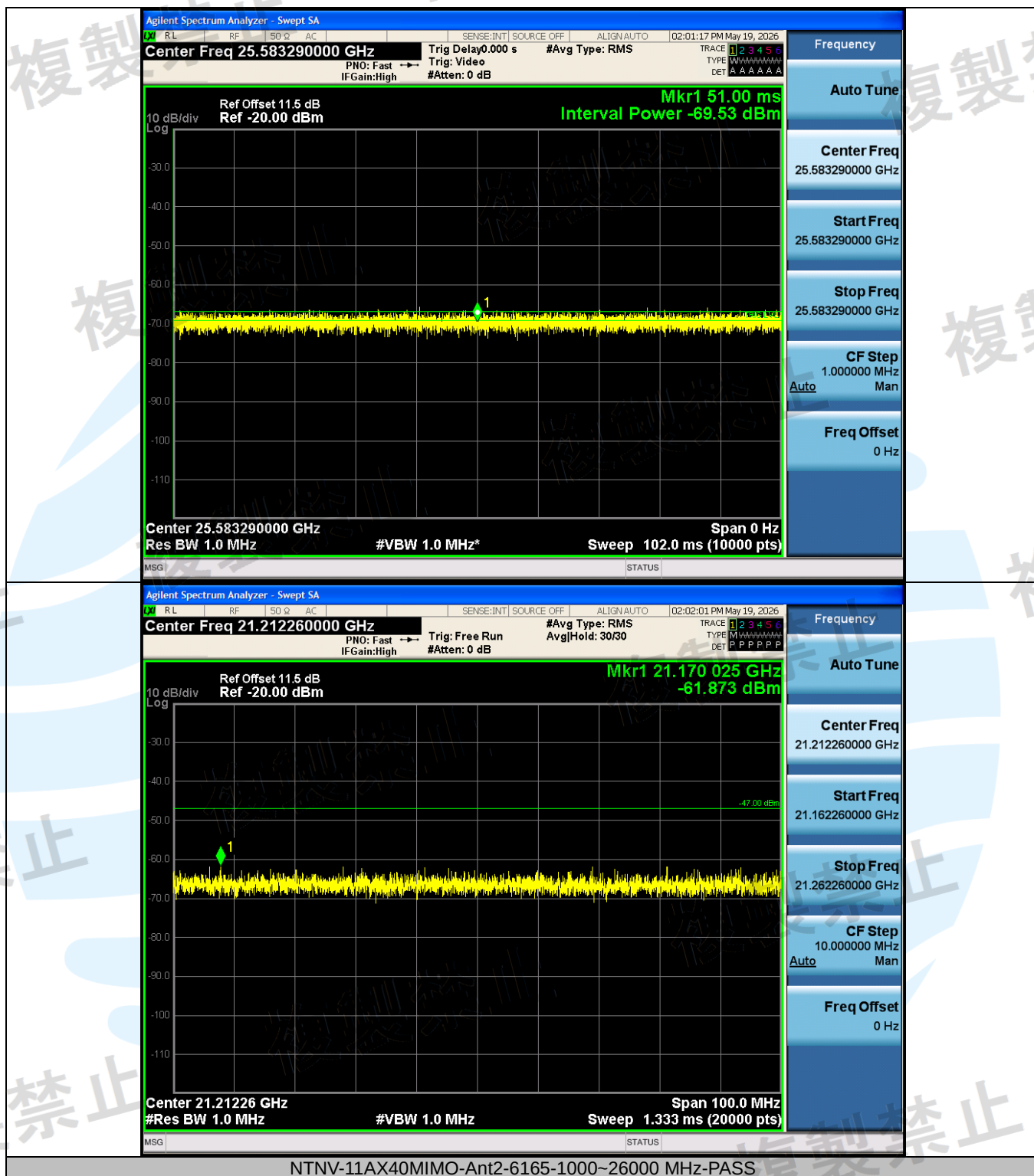


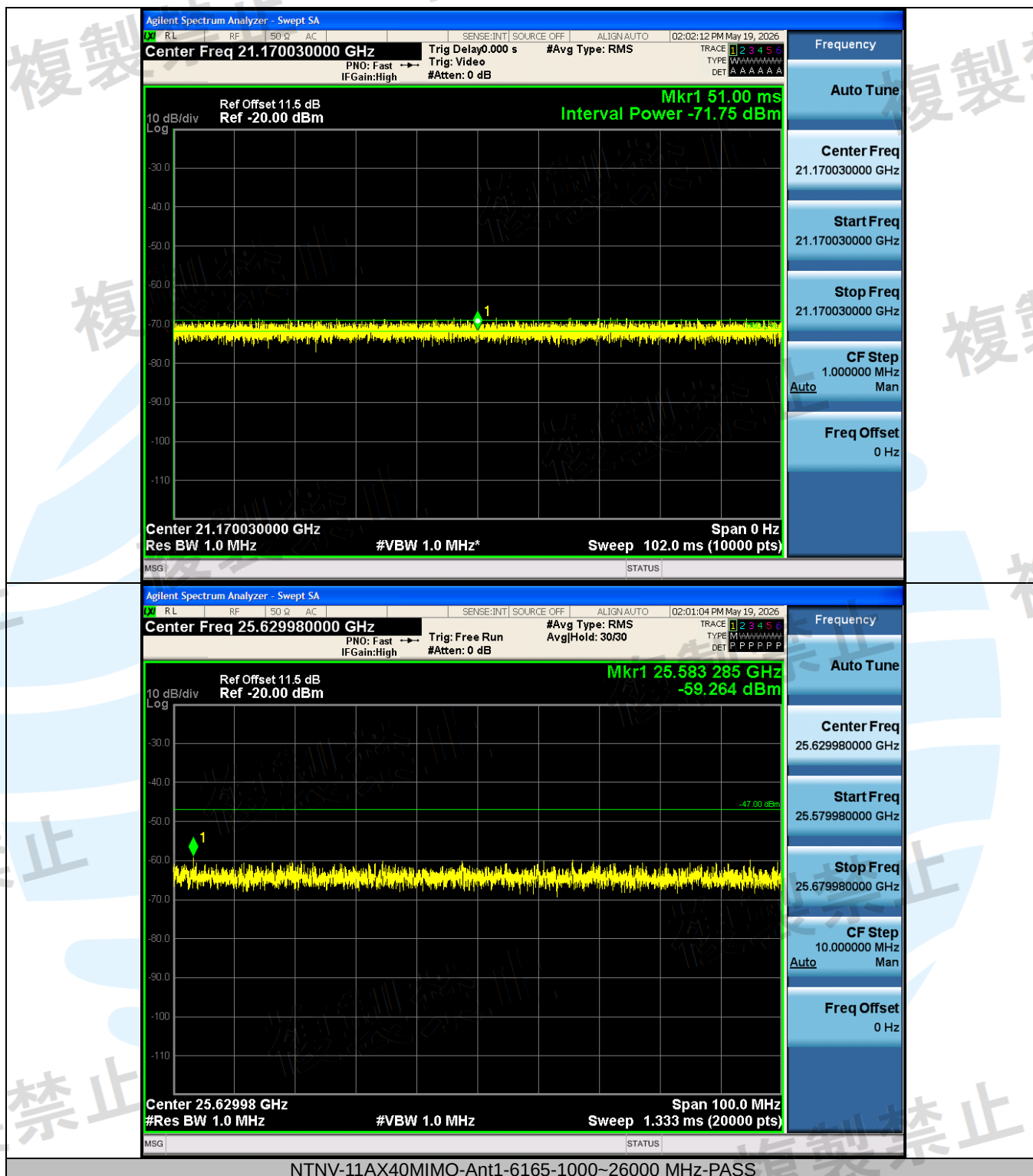




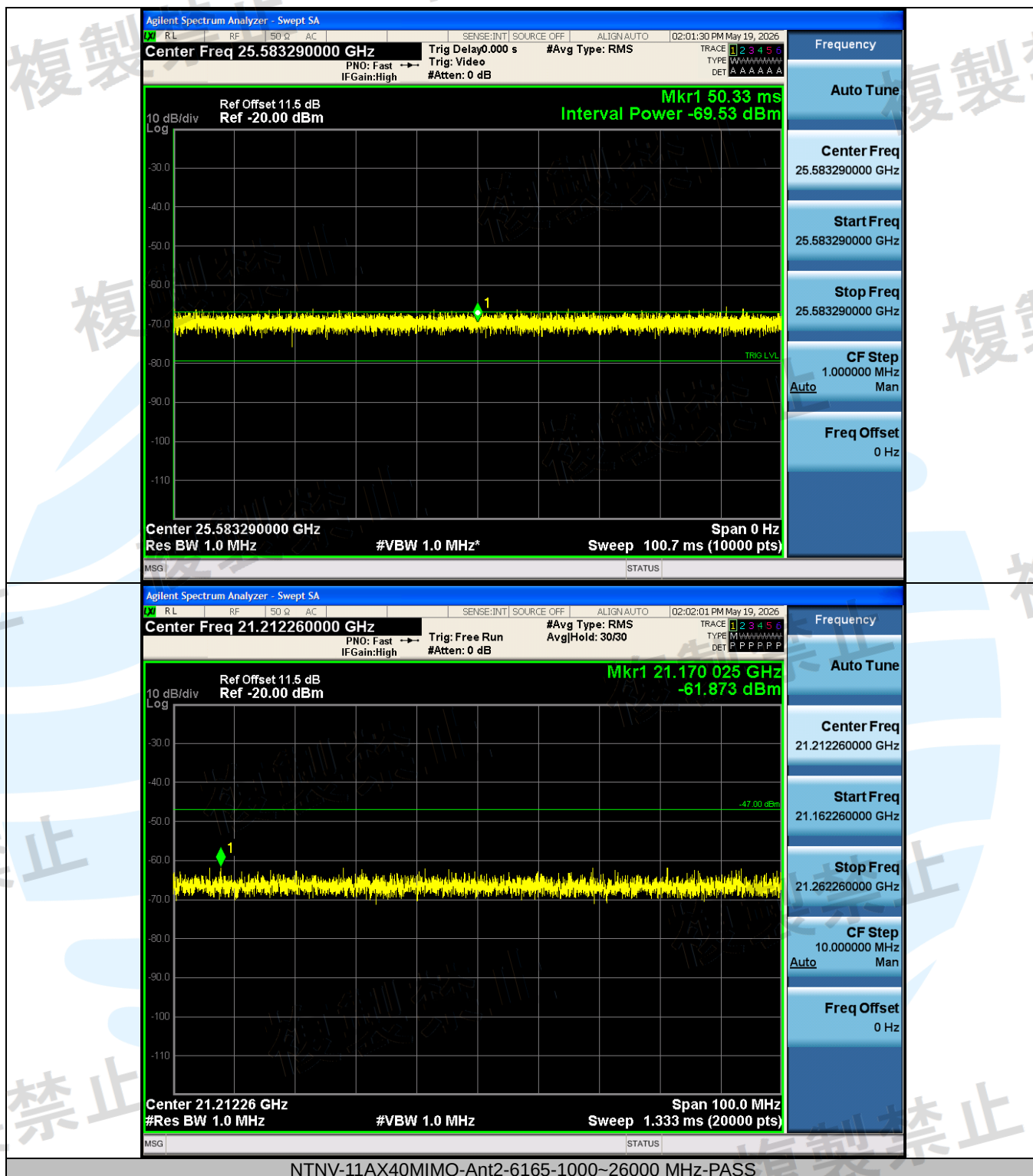


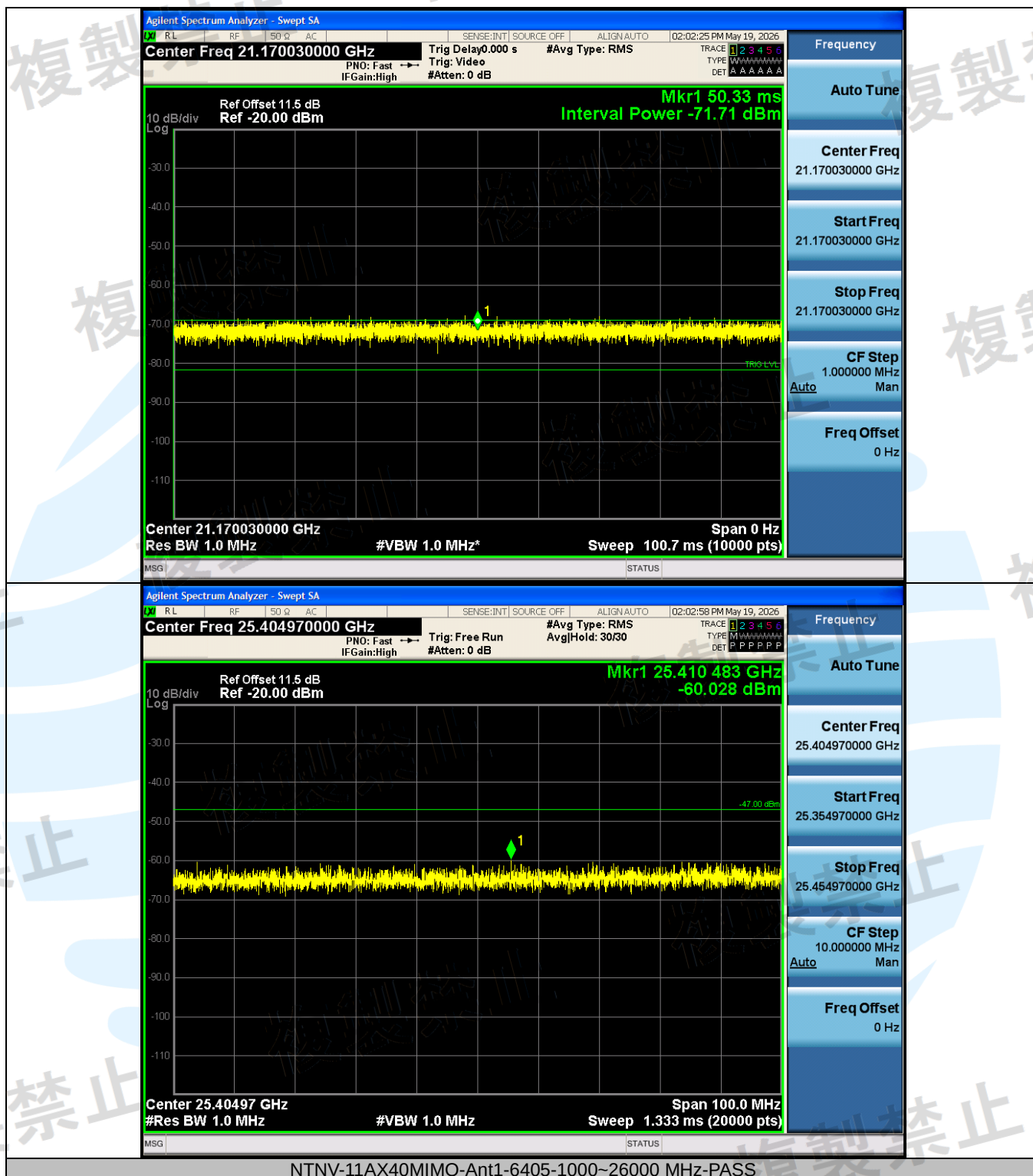






NTNV-11AX40MIMO-Ant1-6165-1000~26000 MHz-PASS





NTNV-11AX40MIMO-Ant1-6405-1000~26000 MHz-PASS

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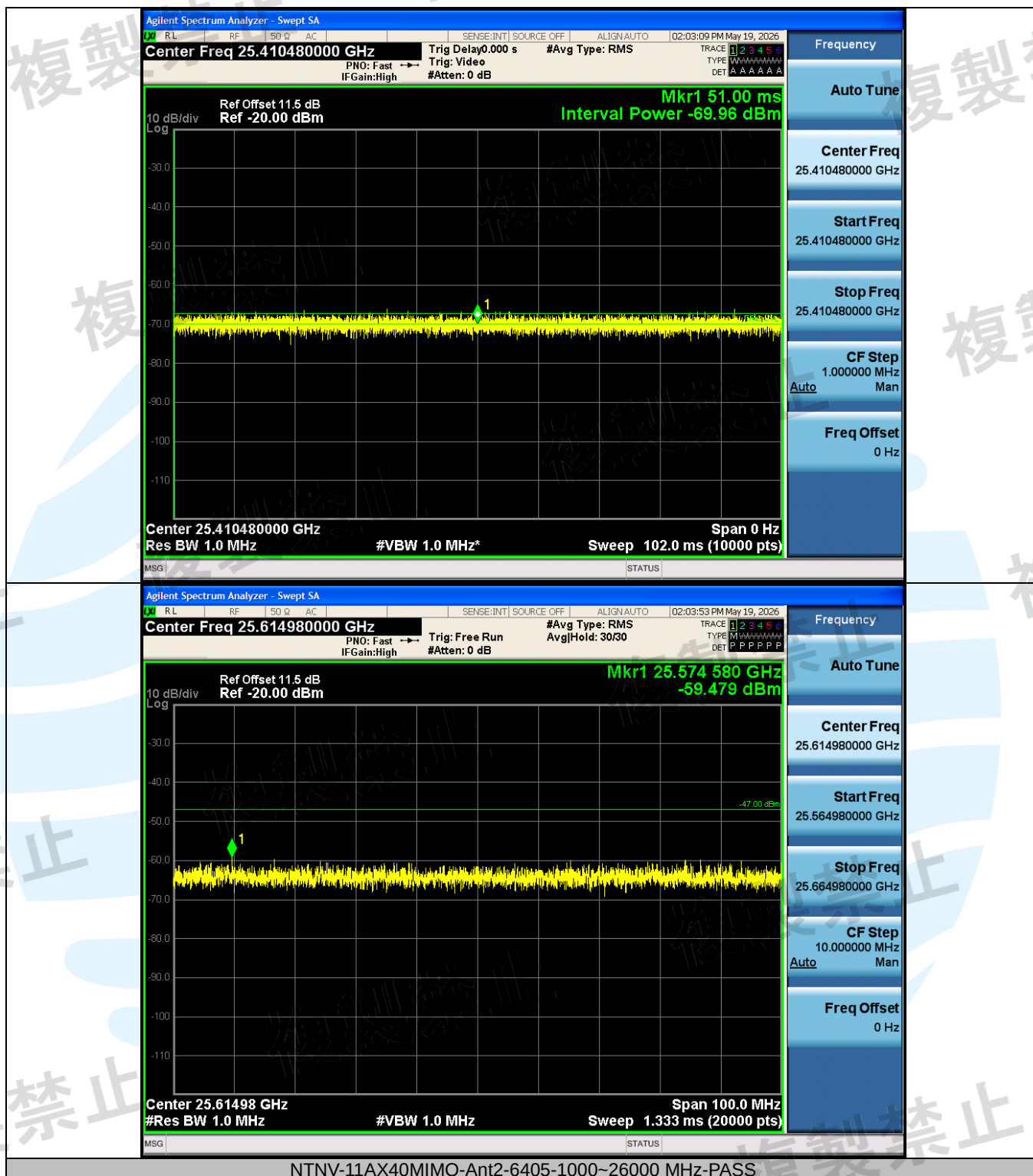
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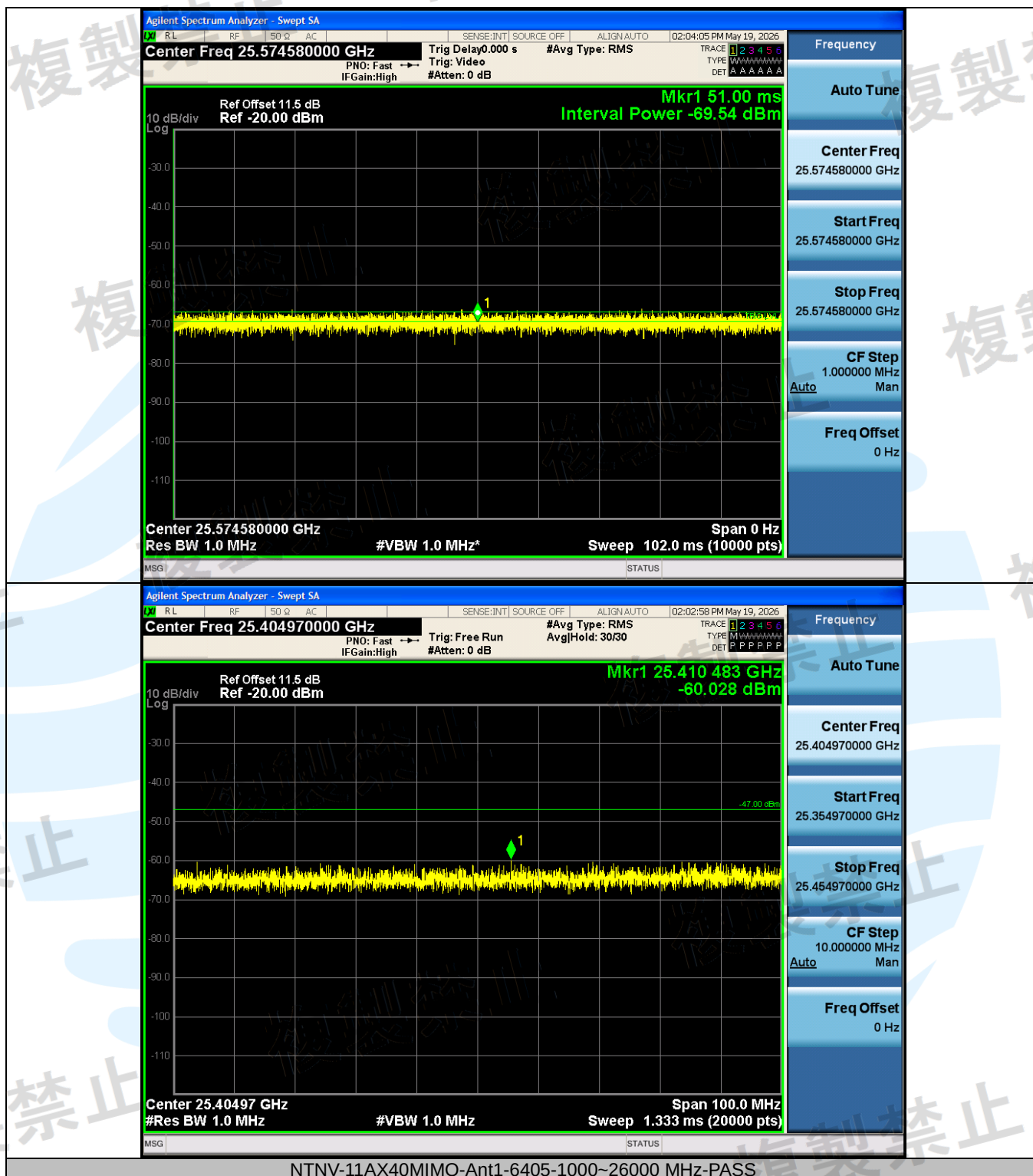
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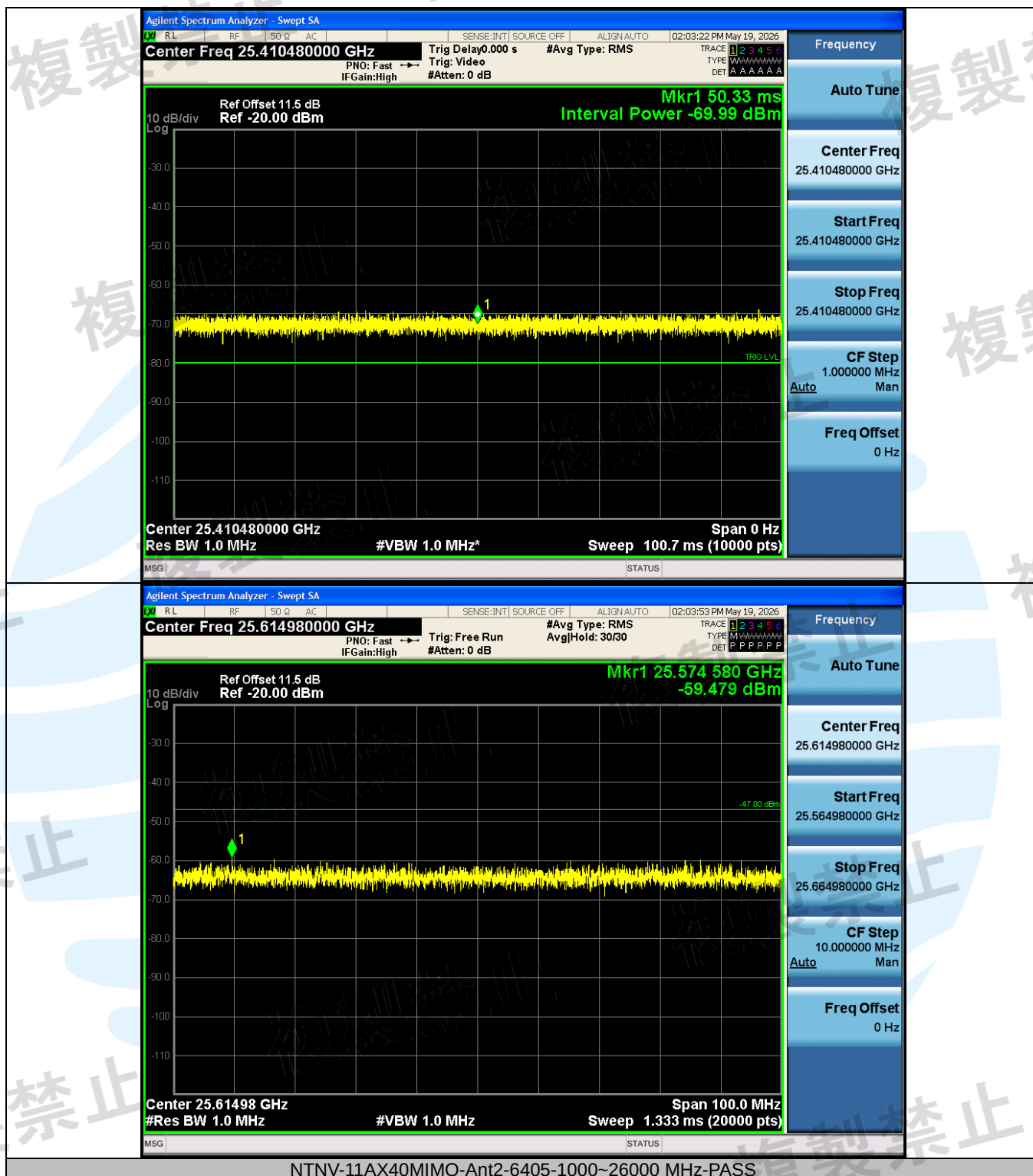
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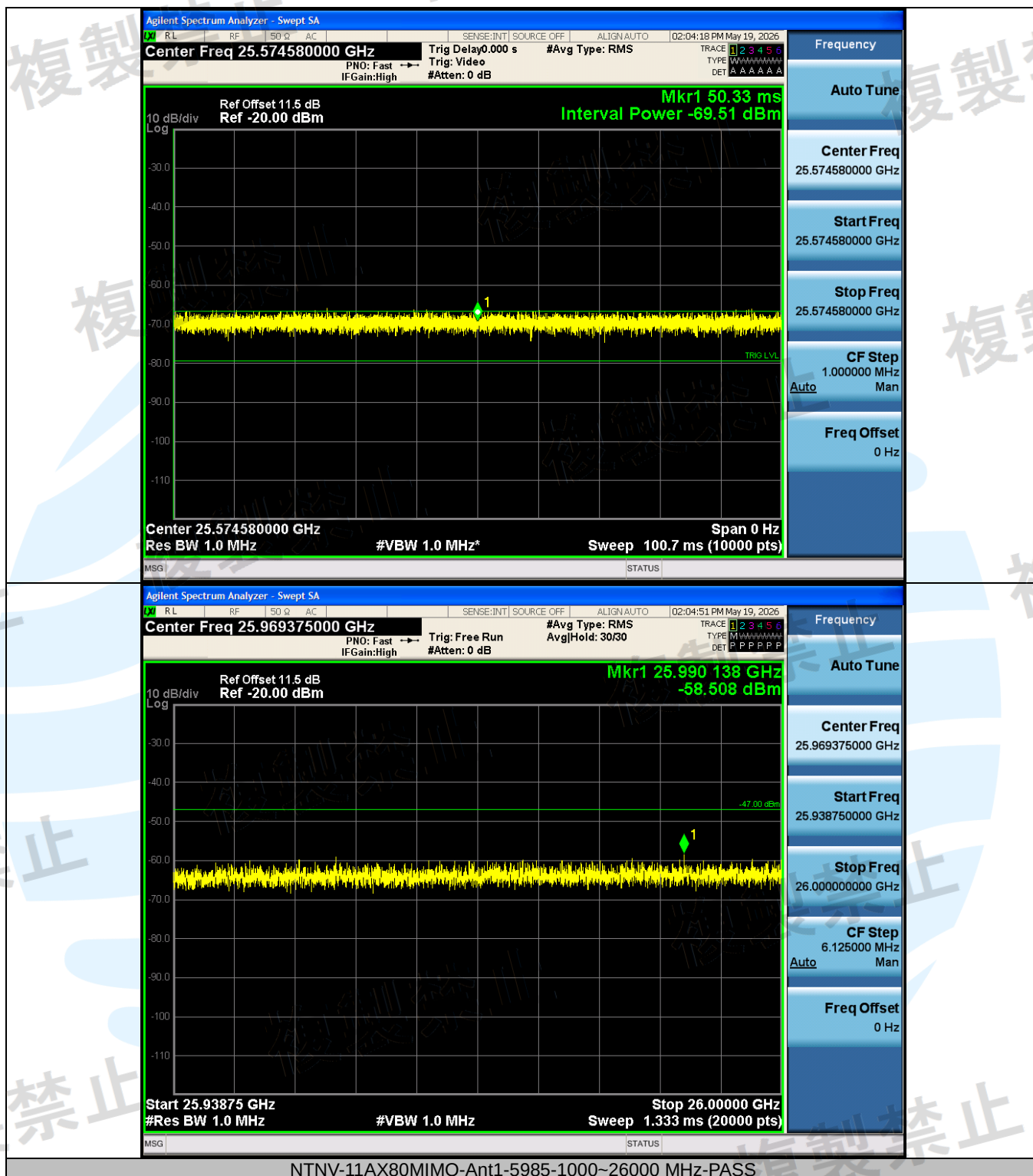
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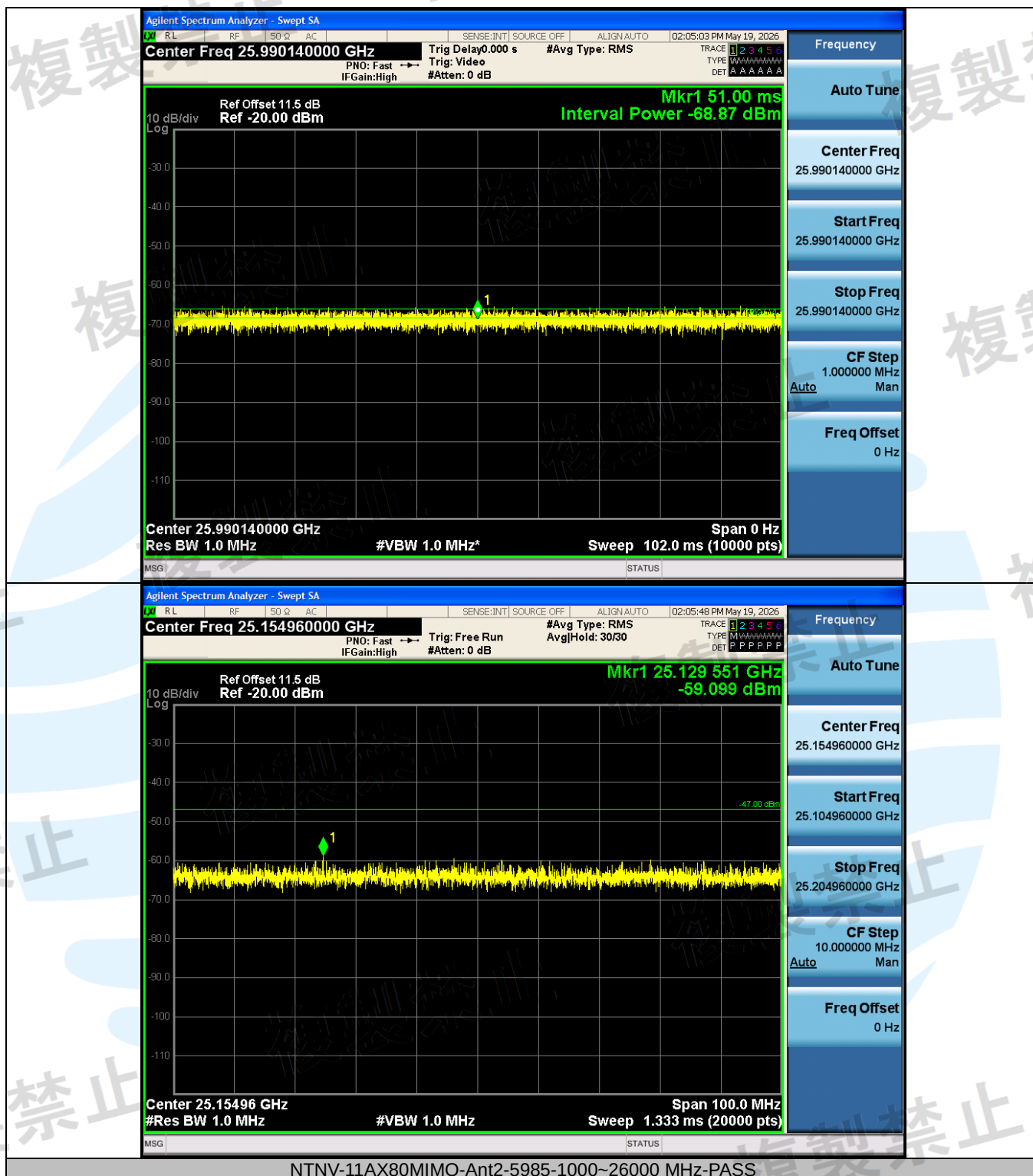
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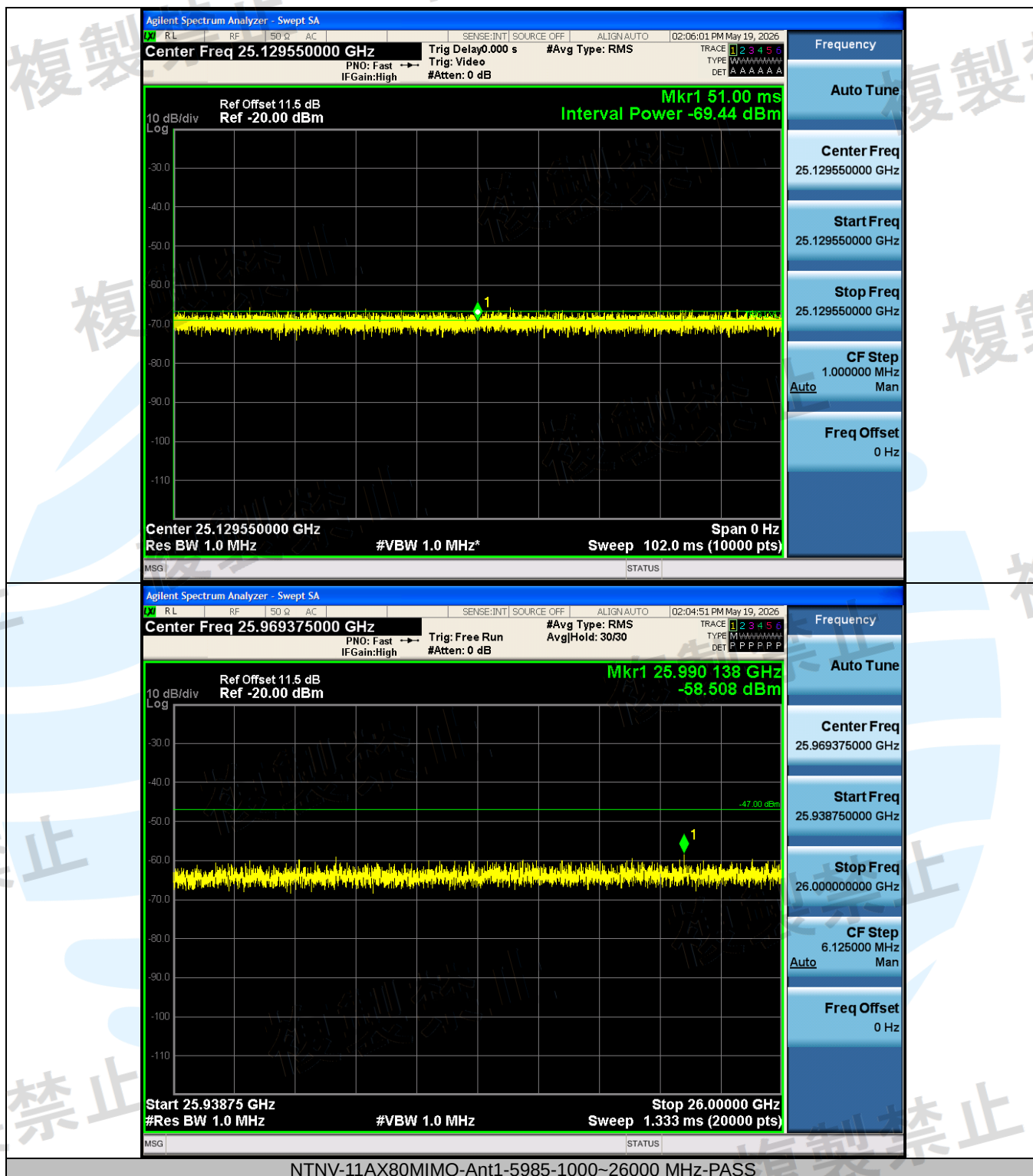


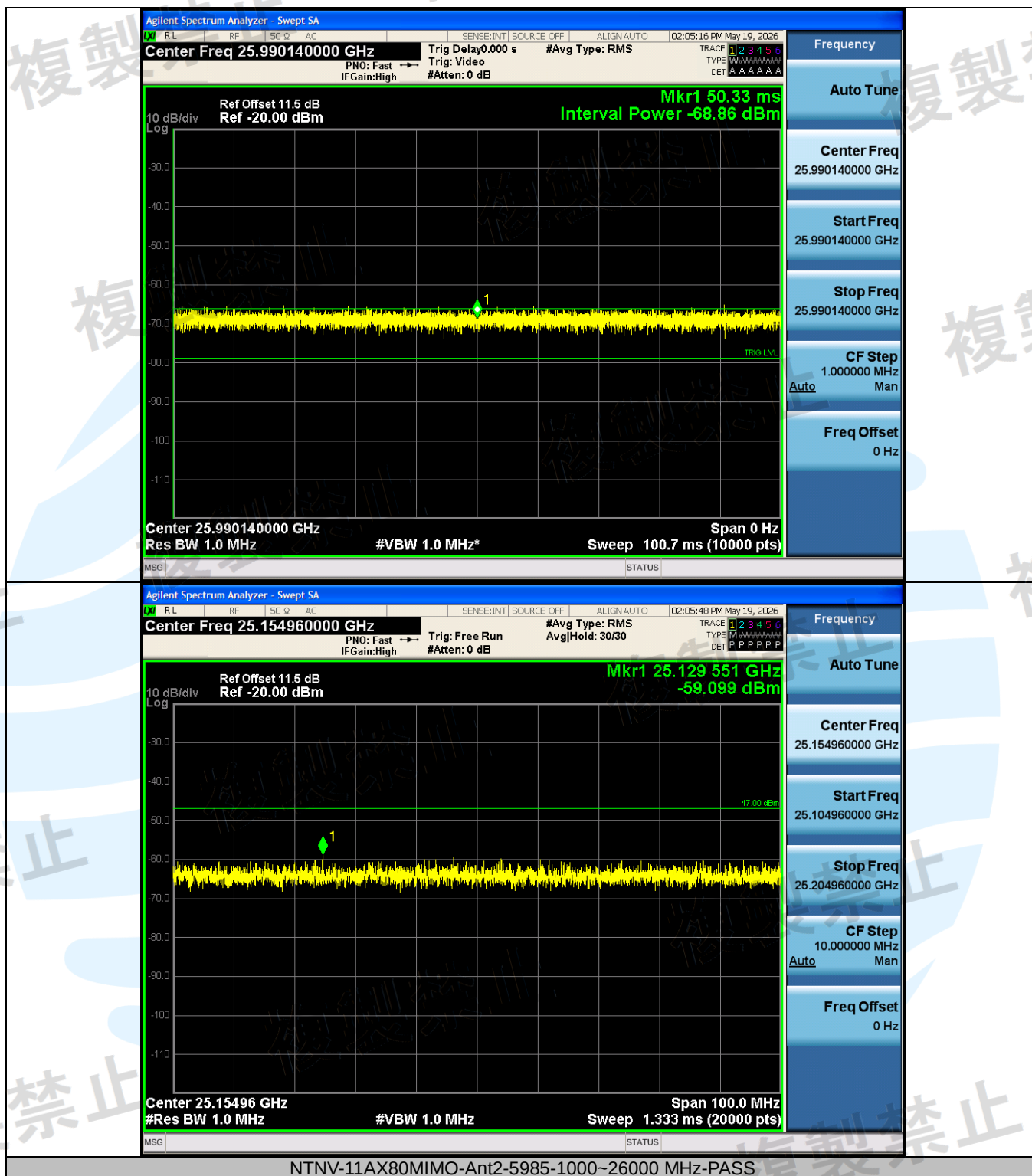


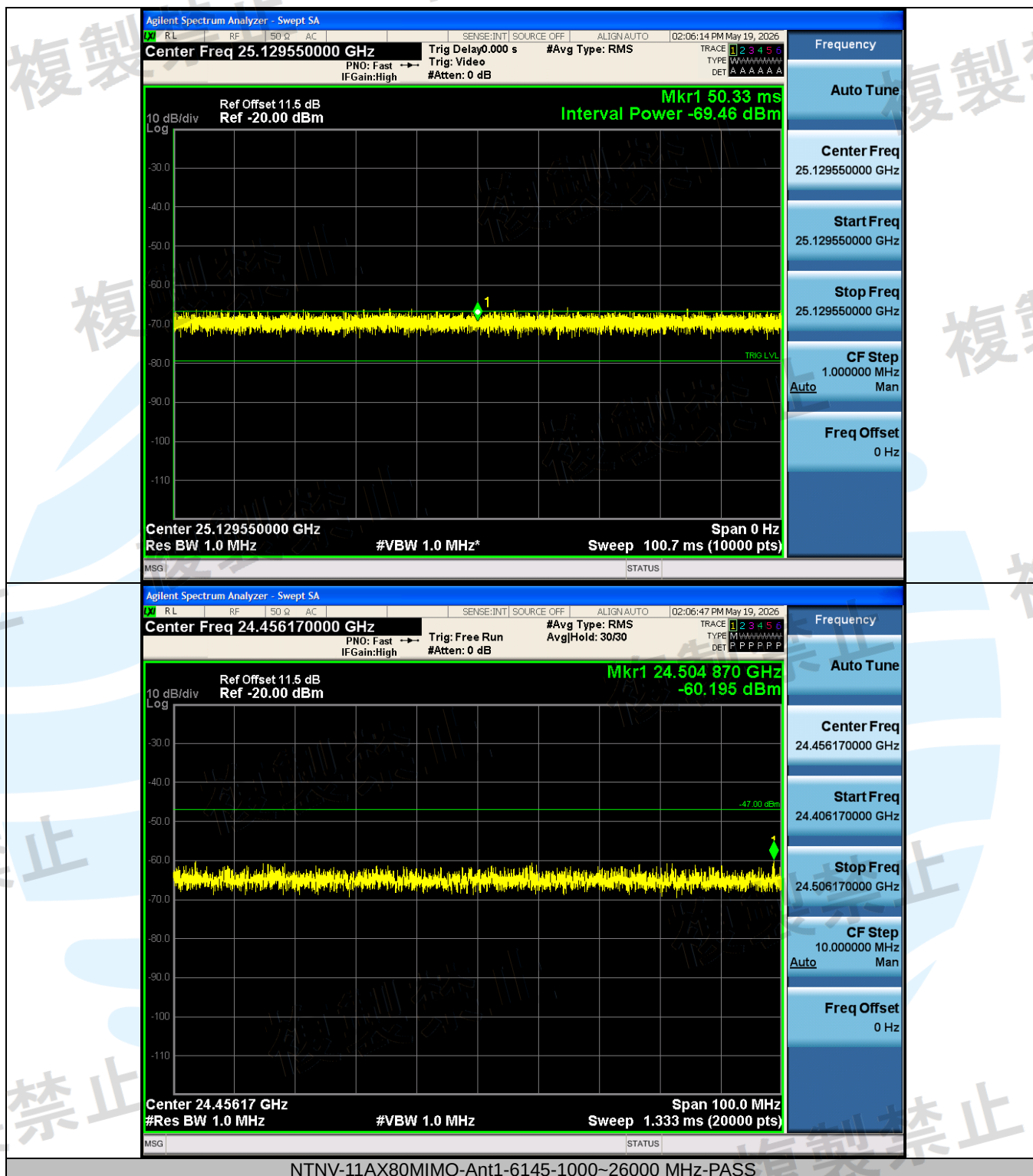


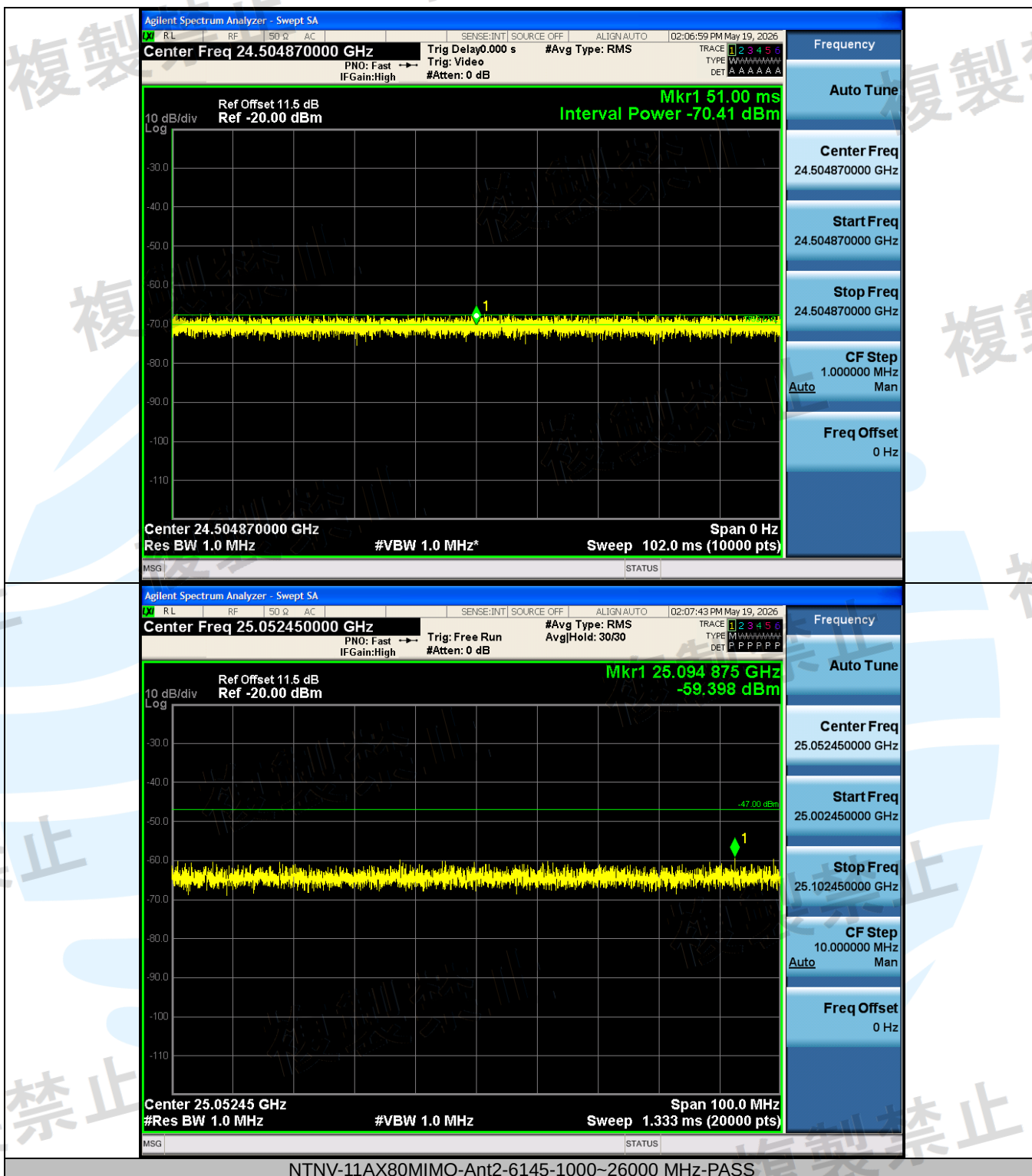


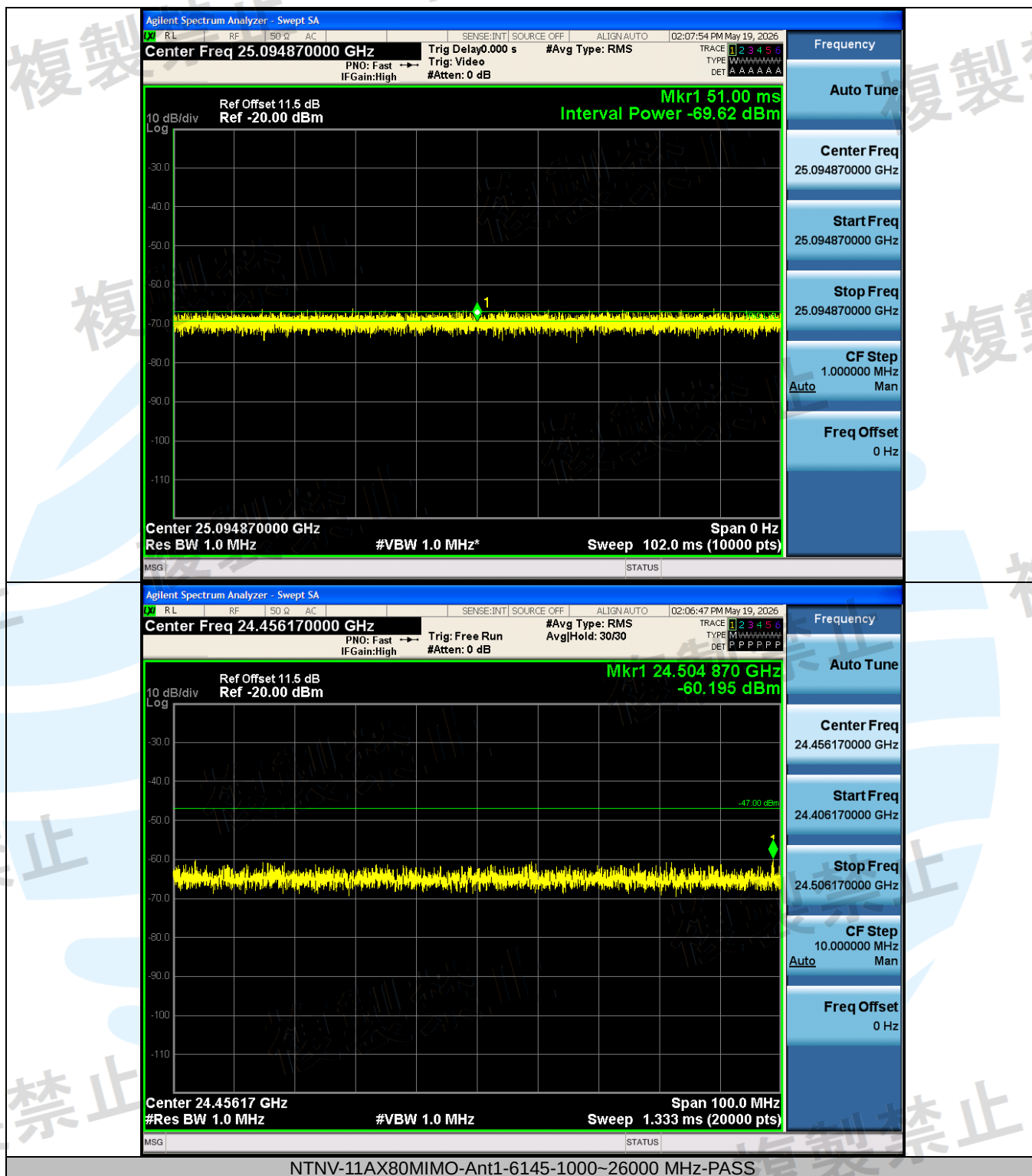


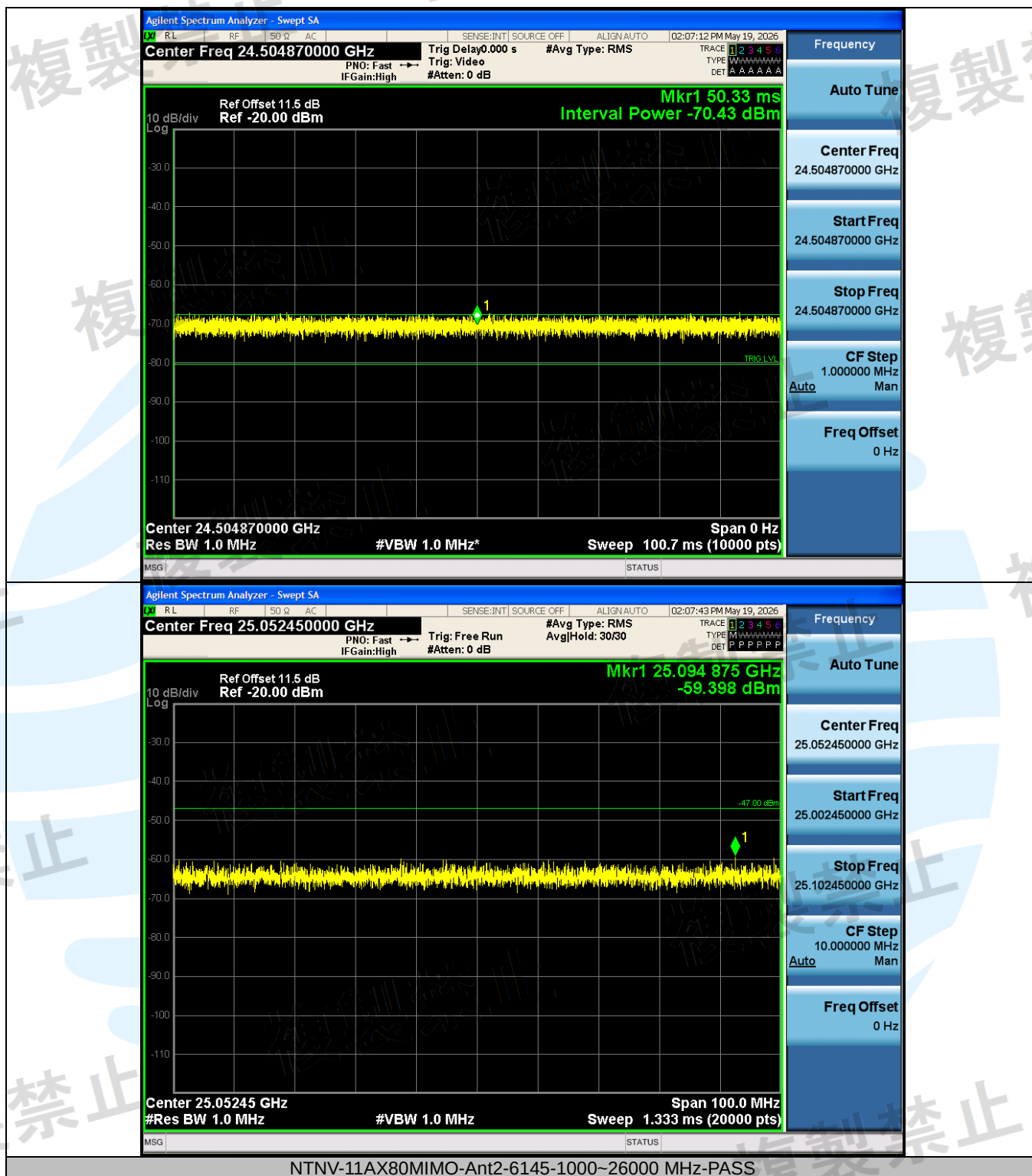


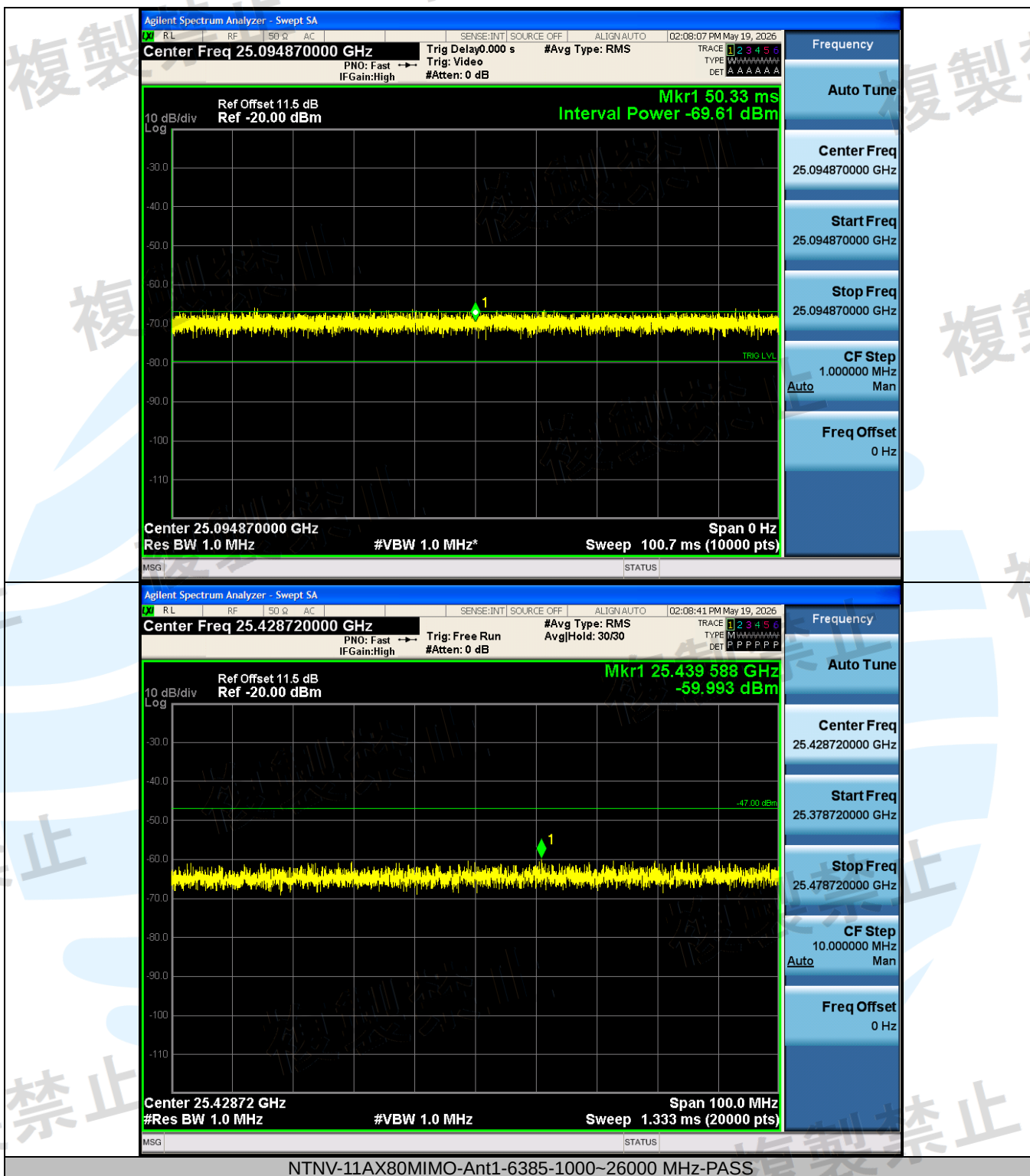


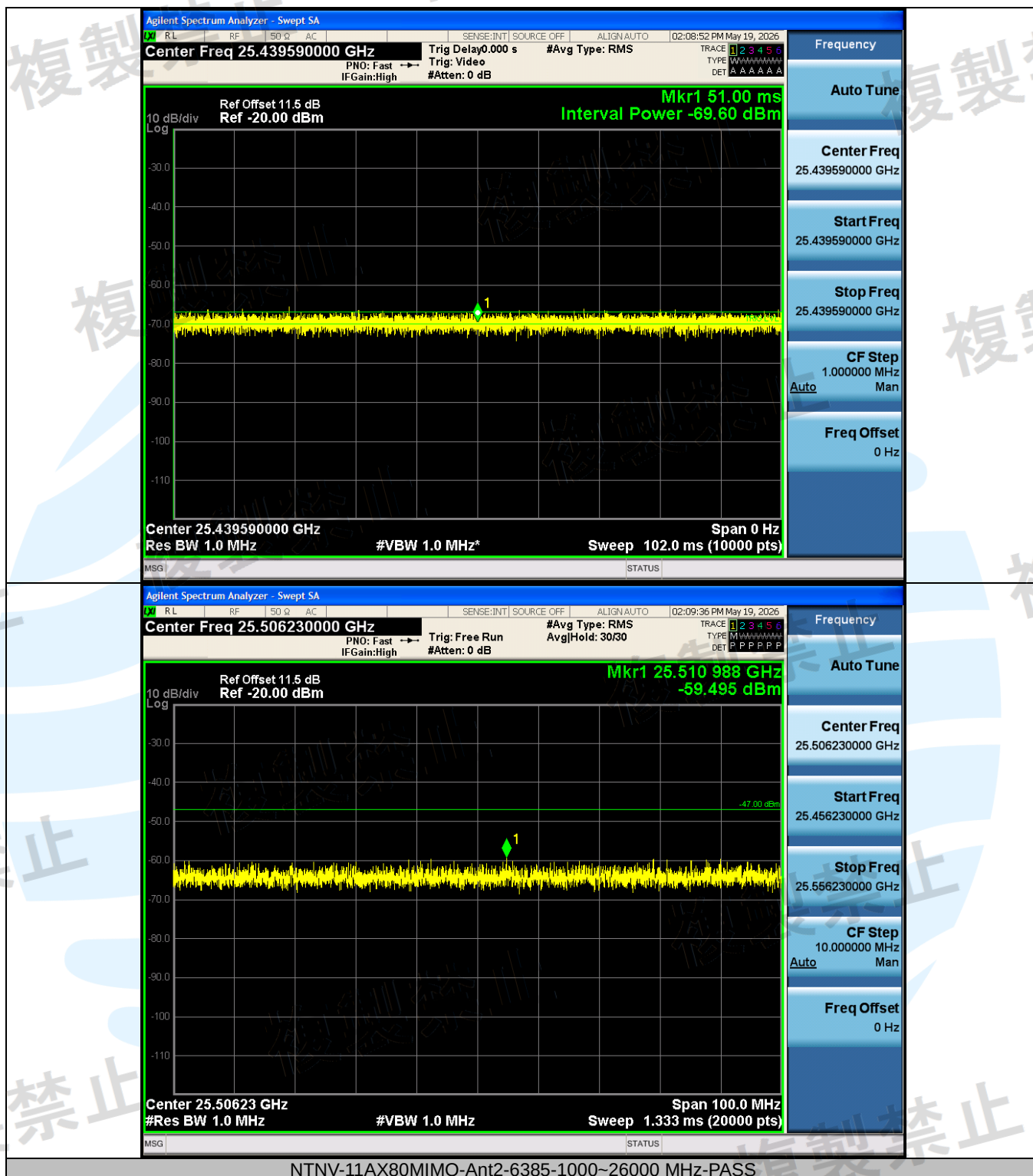


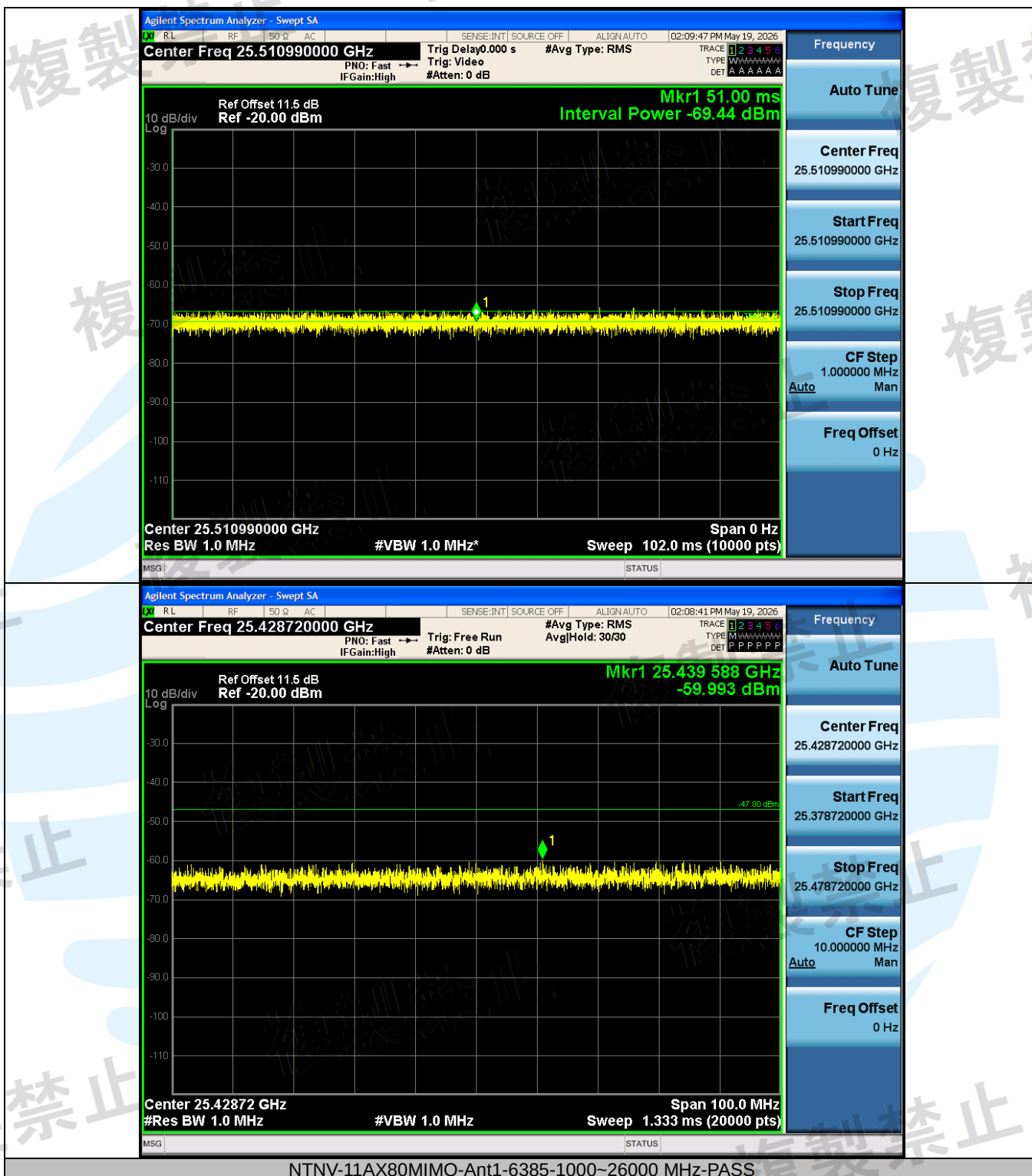


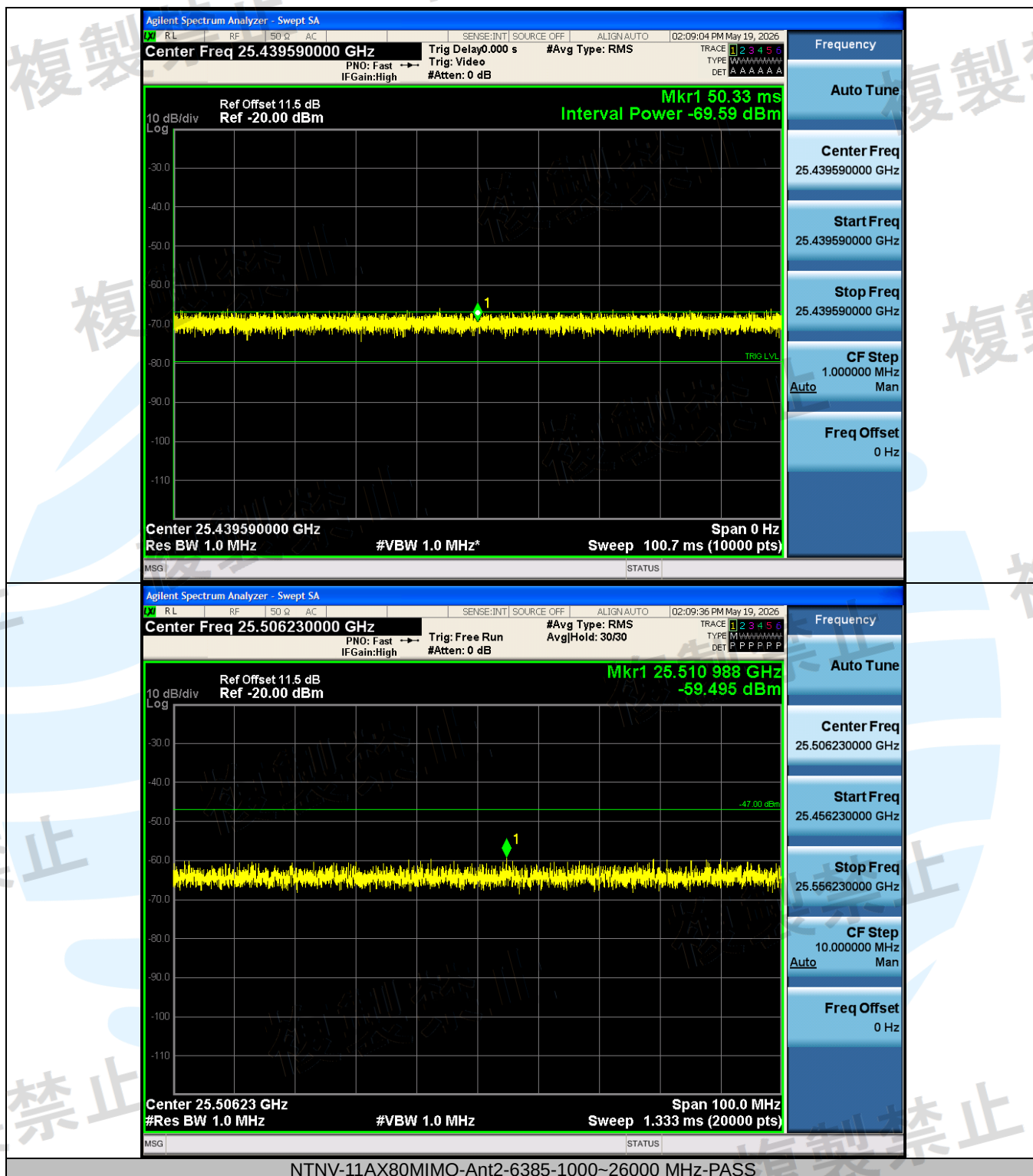


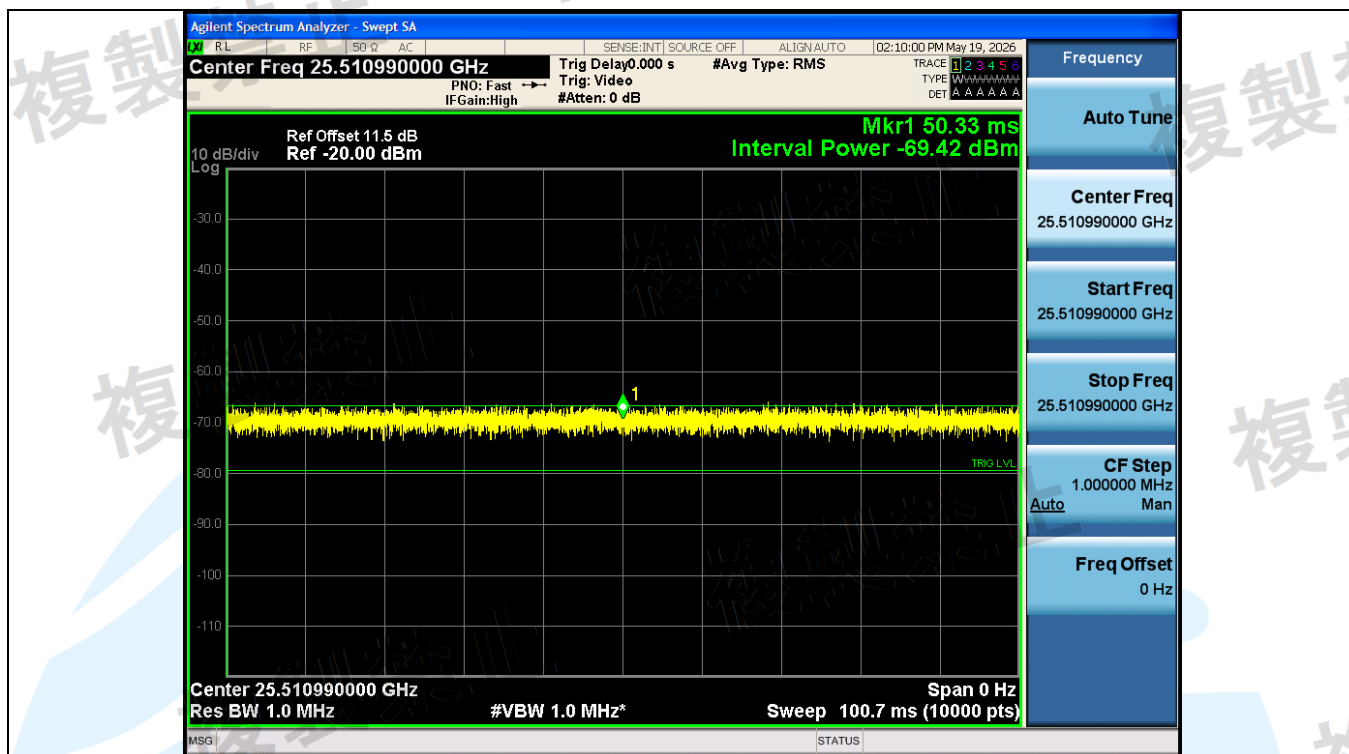










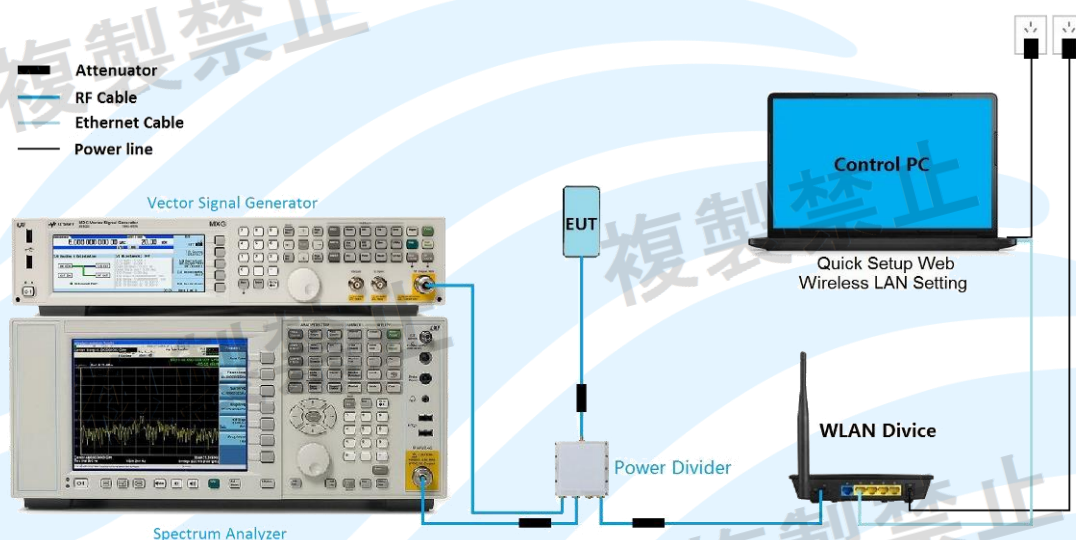


5.10 CARRIER SENSE CAPABILITY

5.10.1 Limit

When the device receives the emissions radiated from the radio equipment of a radio station other than that of the party on the other end of communication, and the electric field intensity in the direction of the maximum gain of the receiving antenna exceeds 100 mV/m, the carrier sensing device shall not radiate emissions of the same frequency.

5.10.2 Test Setup



5.10.3 Instruments Used

Refer to section 3 for details

5.10.4 Test Procedures

1. Turn the standard signal generator output OFF. Leave the equipment under test to be ready for transmission and verify the transmission with the spectrum analyzer.
2. Set the equipment under test to the receiving state.
3. Turn the standard signal generator ON and leave the equipment under test to be ready for transmission and verify with the spectrum analyzer that no transmission is being made.

5.10.5 Result

Test Condition	Test Mode	Antenna	Channel	Pcs [dBm]	Result	Verdict
NTNV	11AX20SISO	Ant2	5955	-49.95	Good	PASS
NTNV	11AX20SISO	Ant2	6175	-50.26	Good	PASS
NTNV	11AX20SISO	Ant2	6415	-50.59	Good	PASS
NTNV	11AX40SISO	Ant2	5965	-49.96	Good	PASS
NTNV	11AX40SISO	Ant2	6165	-50.25	Good	PASS
NTNV	11AX40SISO	Ant2	6405	-50.58	Good	PASS
NTNV	11AX80SISO	Ant2	5985	-49.99	Good	PASS
NTNV	11AX80SISO	Ant2	6145	-50.22	Good	PASS
NTNV	11AX80SISO	Ant2	6385	-50.55	Good	PASS

Note:

$Pcs (dBm) = 22.79 + G - 20\log(F)$.

G: Antenna gain (dBi).

F: Transmission frequency (MHz).

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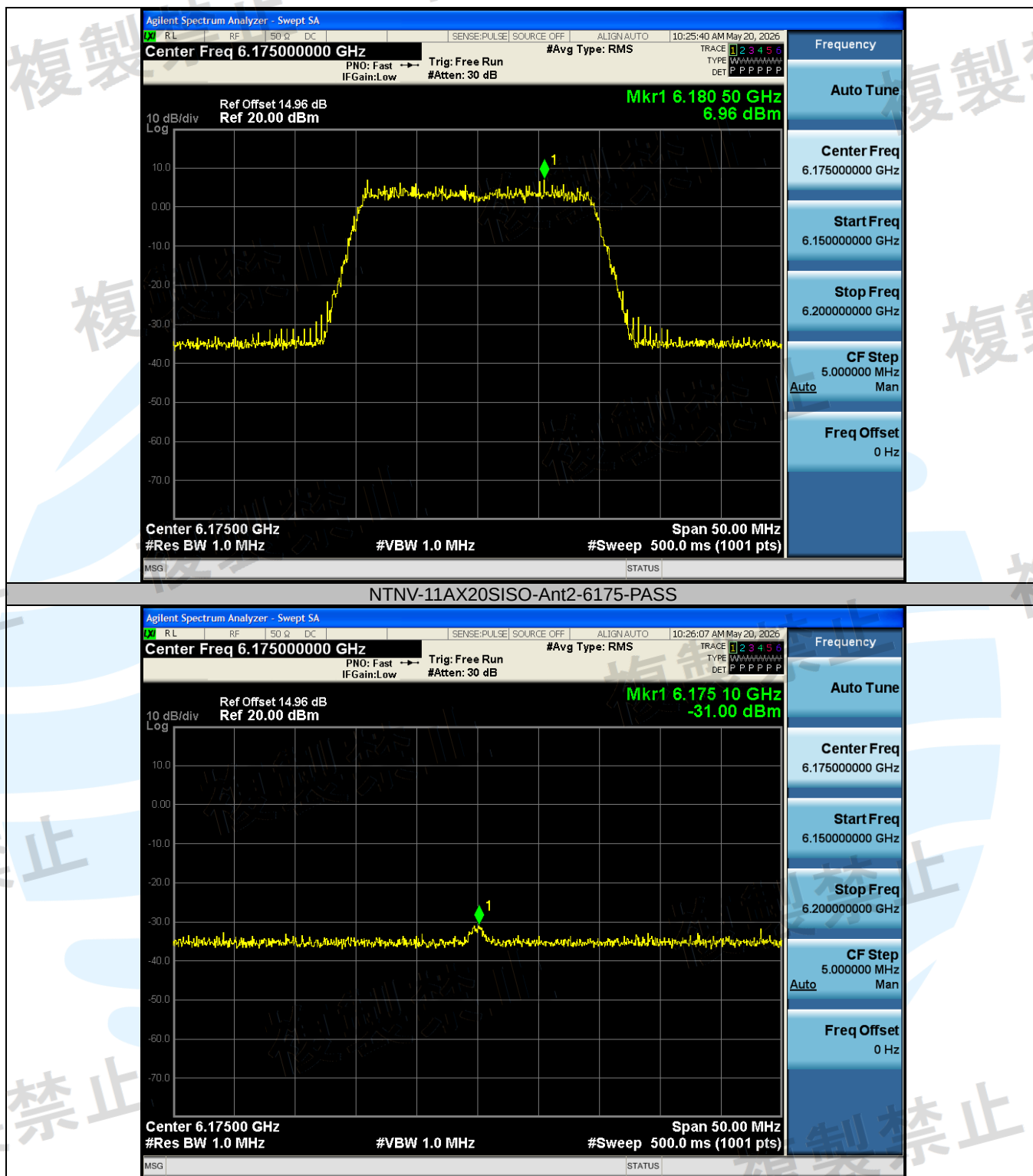
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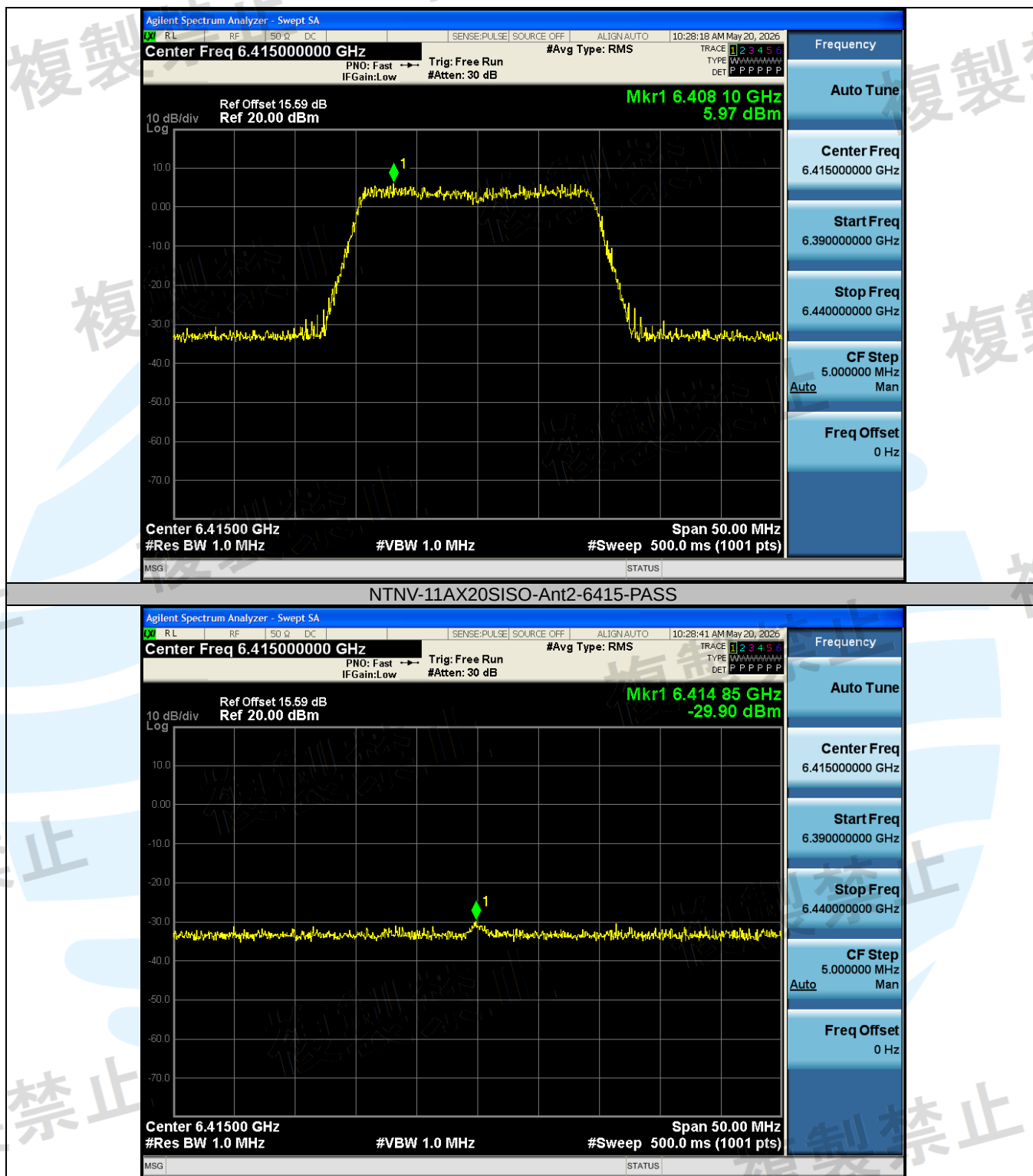
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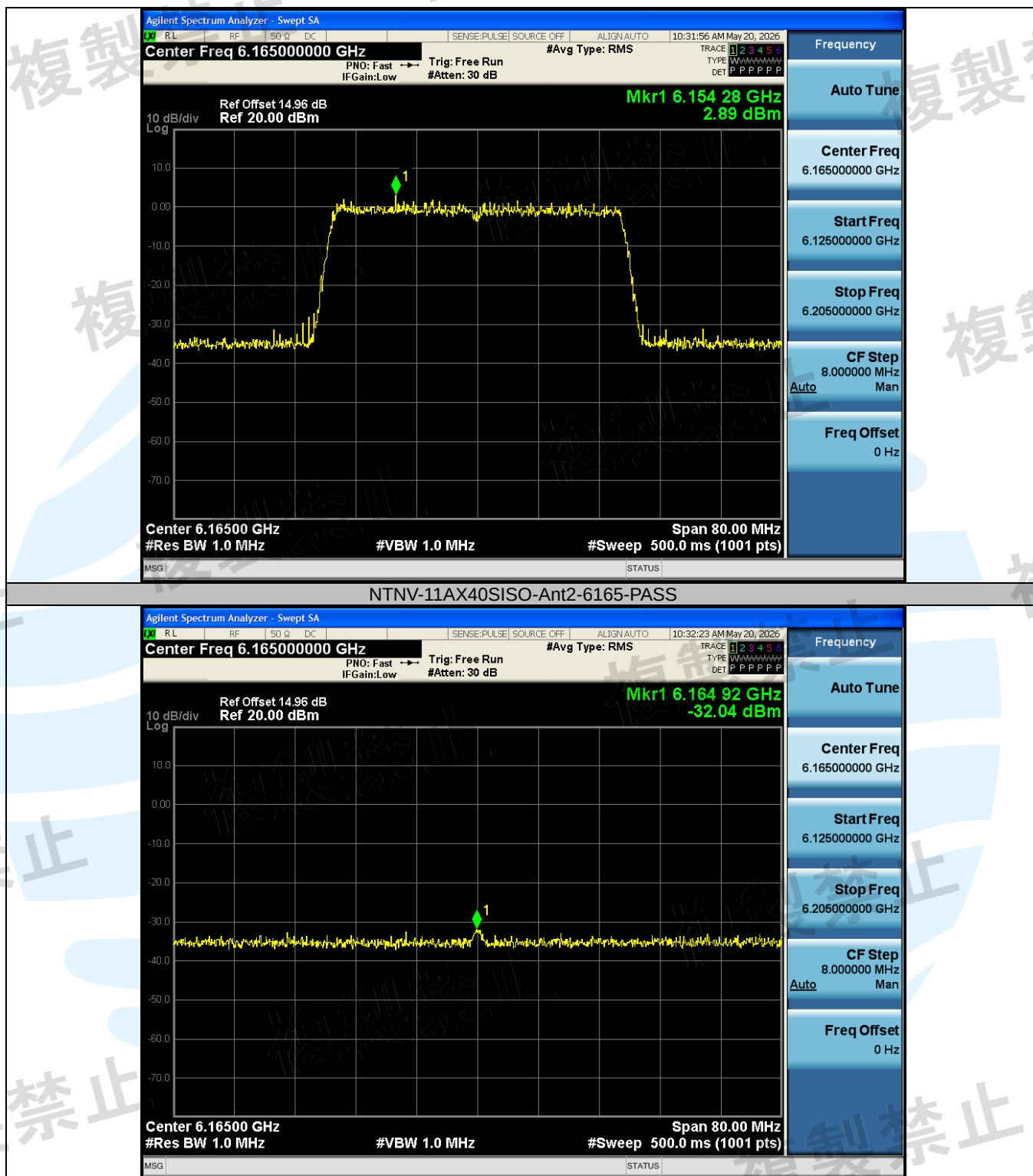
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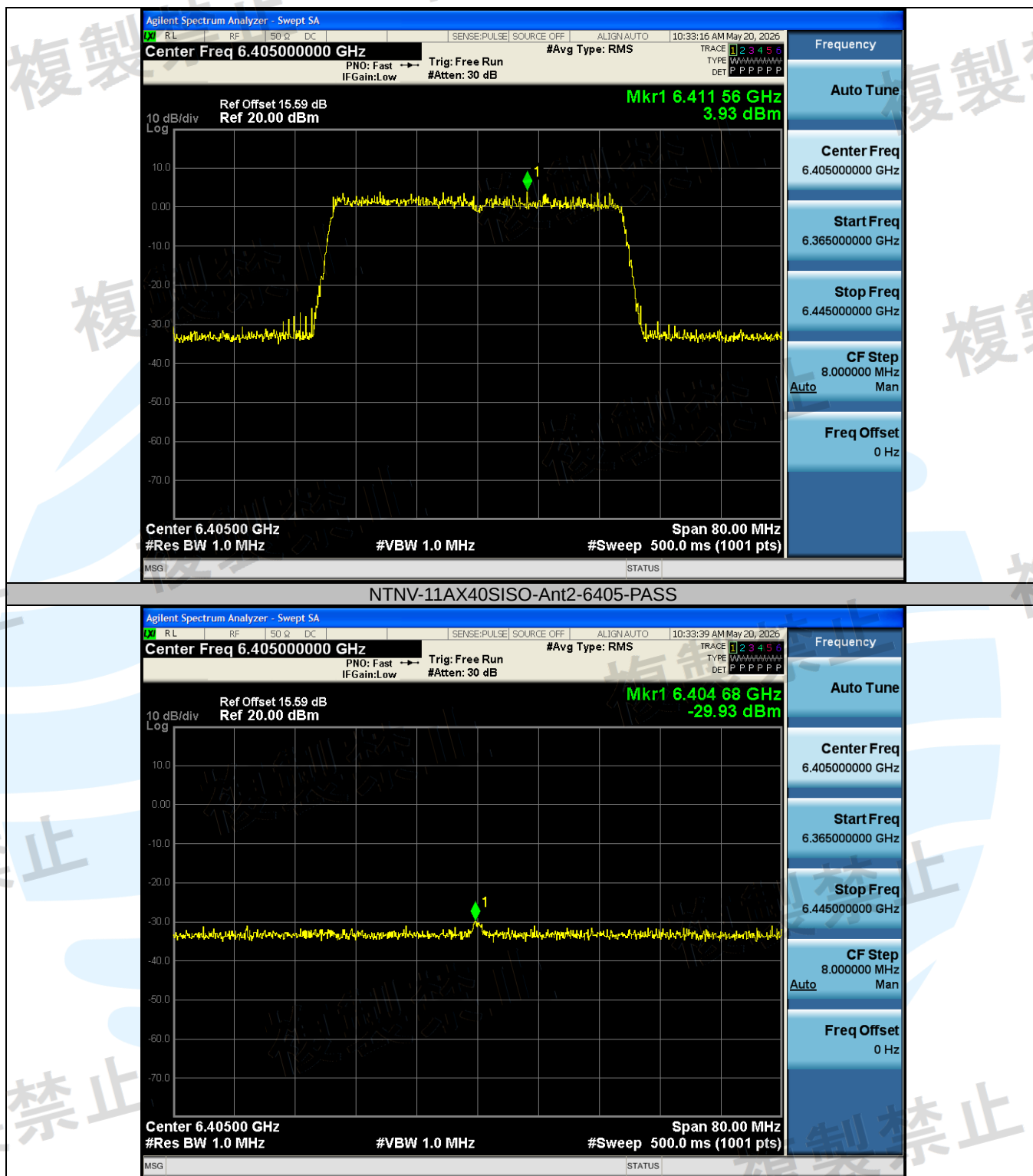
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-Article 2-1-79&80-V1.0

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Address: 16/F., Block A, Building 6, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, Guangdong, China

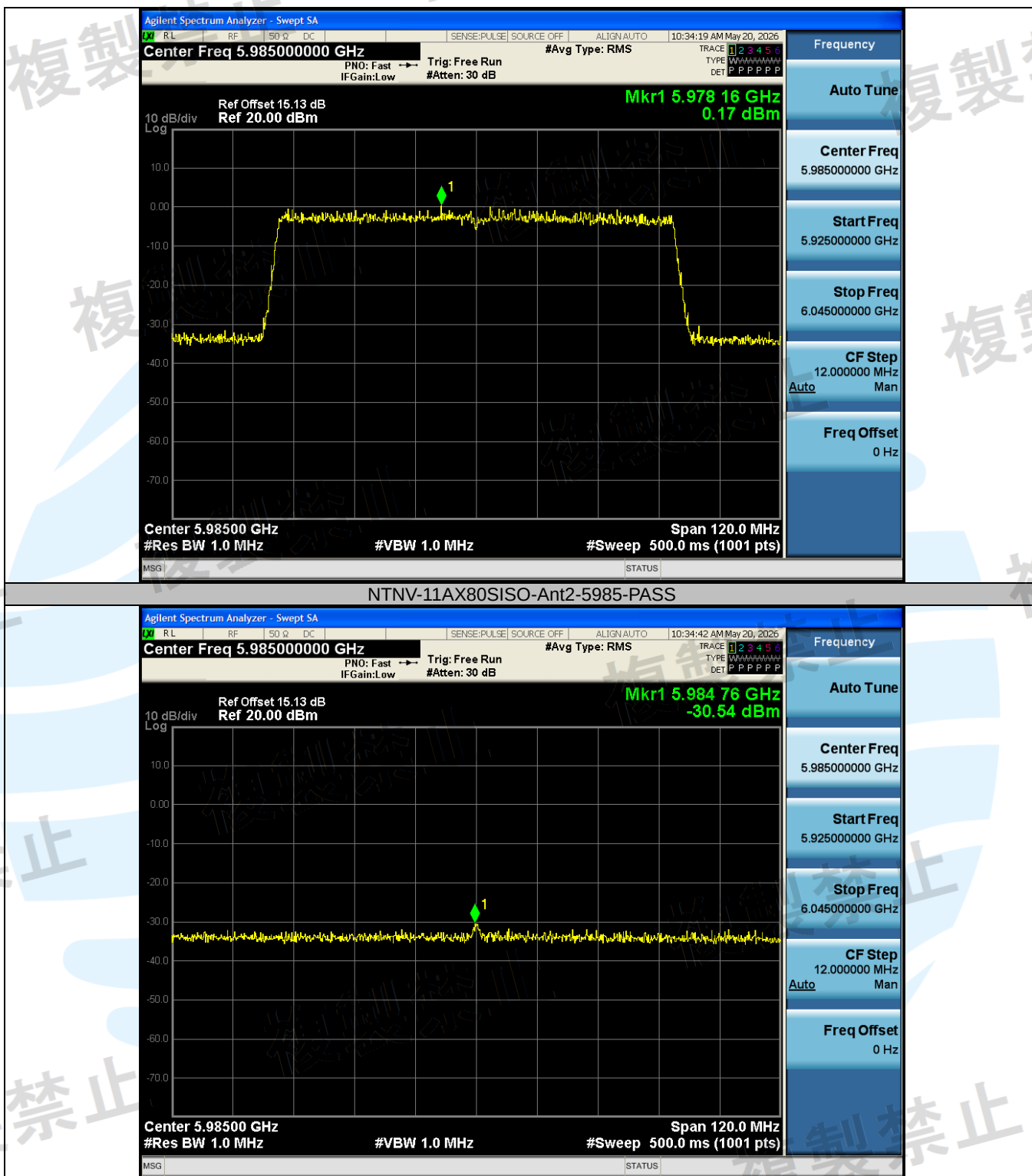
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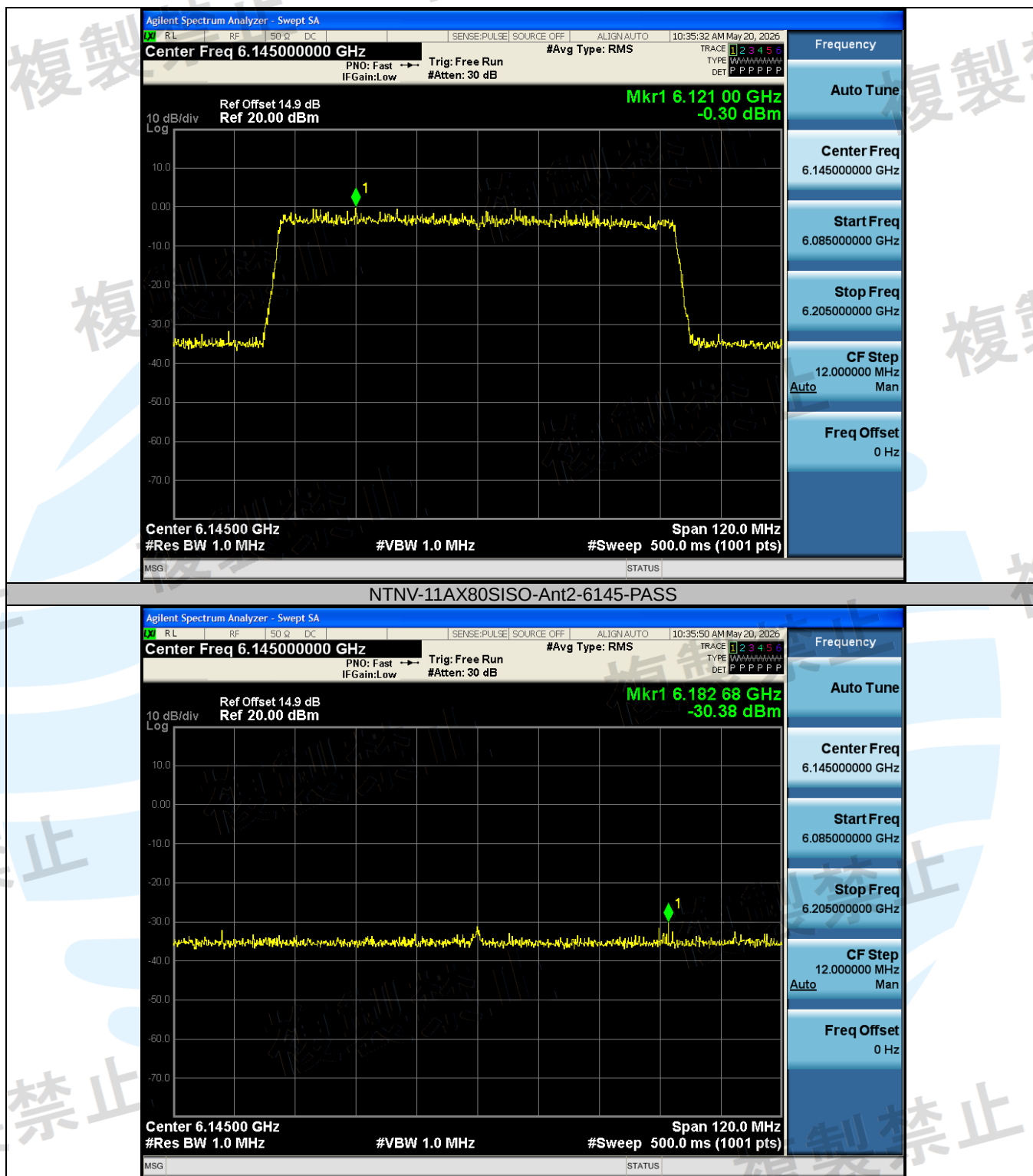
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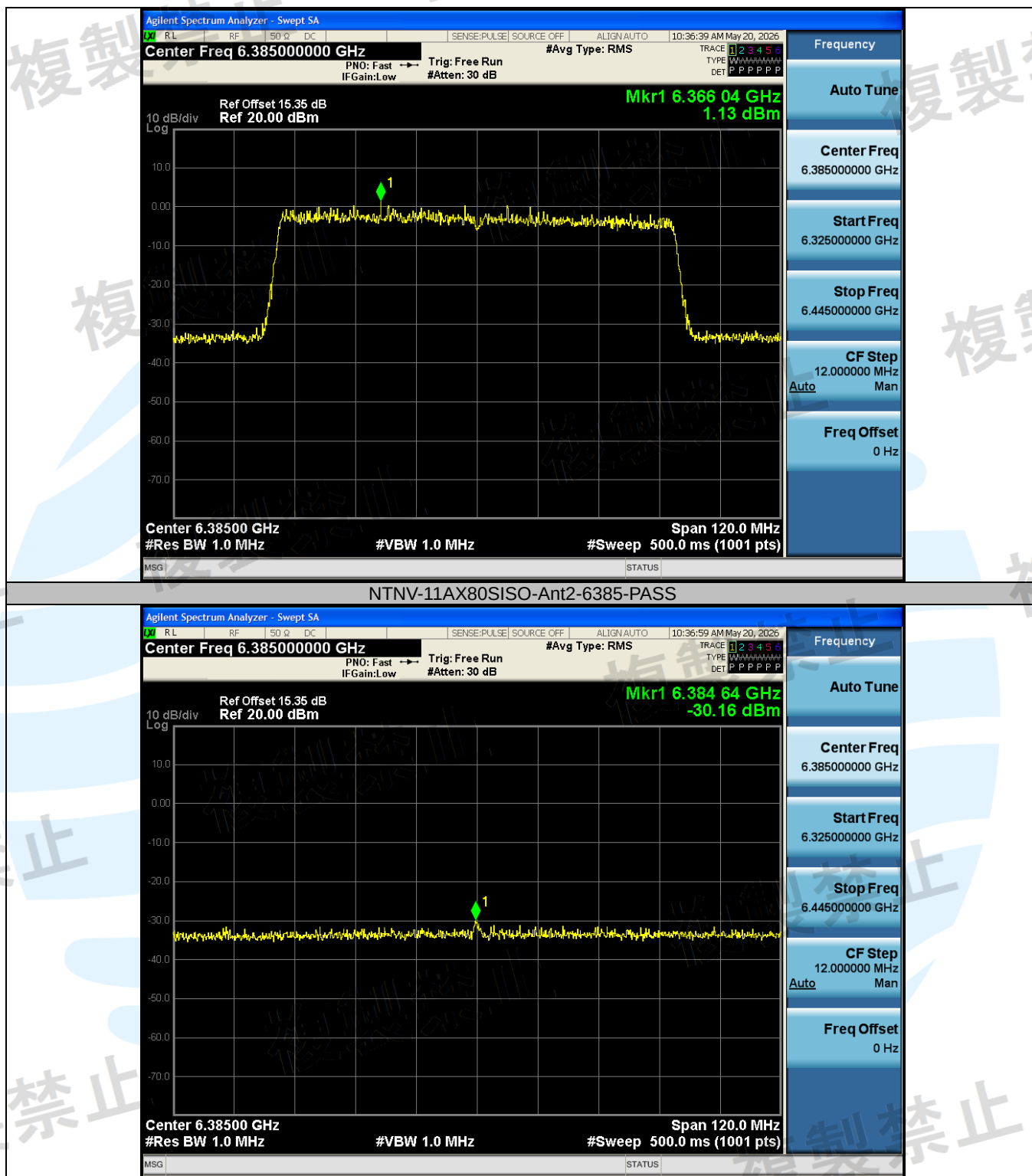
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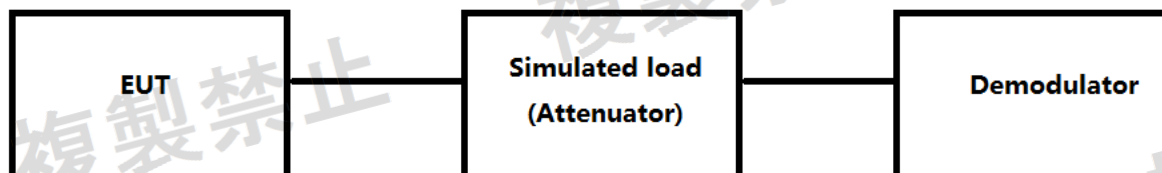
5.11 INTERFERENCE PREVENTION FUNCTION

5.11.1 Limit

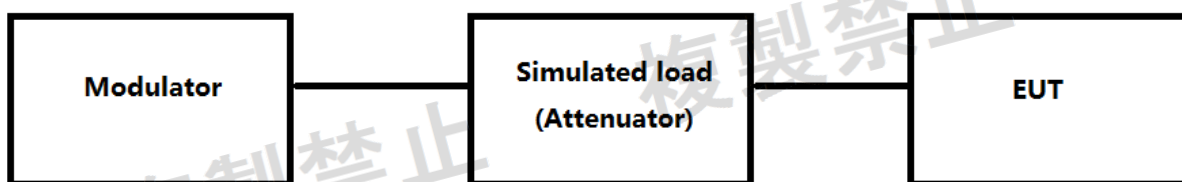
Identification code ≥ 48 bits

5.11.2 Test Setup

Send identification code



Receive identification code



5.11.3 Test Procedures

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

5.11.4 Test Result

TX: The transmitting mode of EUT is on normal operating, the interference prevention function is okay.

RX: The receiving mode of EUT is on normal operating, the interference prevention function is okay.

The ID Code of this Wi-Fi device as below list:

Identification code		
Device Name	MAC address	Options
MP66W	00:11:D9:0F:49:30	

5.12 CONSTRUCTION PROTECTION

5.12.1 Limit

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

5.12.2 Confirmation Method

☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Chassis is glued using a special adhesive.
☐	Metal covers are spot-fused.
☐	Cover is specially interlocked.
☒	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☐	Other :

5.12.3 The Photos of Construction Protection



5.13 INTER-TERMINAL COMMUNICATION

5.13.1 Limit

If the measured value is "less than -95 dBm/MHz," the system should immediately cease "inter-terminal communication." (Application Article 2-1-81 only)

5.13.2 Test Setup

Refer to section 4.5 for details.

5.13.3 Instruments Used

Refer to section 3 for details

5.13.4 Test Procedures

Those engaging in communication between wireless stations (referred to as "inter-terminal communication"), where the received power of signals from the master station is operated within the range of "-95 dBm/MHz or more," must have the capability to measure the received power of the LPI master station's signals at intervals of 4 seconds.

5.13.5 Test Result

Not Applicable, Application Article 2-1-81 only

5.14 DISPLAY REQUIREMENTS (LPI ONLY)

5.14.1 Requirements

- 1) Display "The transmission of radio equipment is indoors use only" in a place where the housing is easy to see. However, if it is difficult or unreasonable to display, it can be displayed in the "user manual" and "packaging or container" instead of the housing.
- 2) The electromagnetic method shall be recorded in the radio equipment and displayed on the video surface of the radio equipment by a specific operation. In this case, the specific operation shall be clarified by documents or the like.
- 3) The electromagnetic method shall be recorded on the radio equipment and displayed on the video surface of the equipment connected to the radio equipment by a specific operation. In this case, before the operation of the radio equipment is started, it shall be displayed by connecting with a wire with other products having a video surface.

5.14.2 Result

Not Applicable, this requirement only applies to LPI devices.

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

Refer to Appendix 1 for Test Setup photos.

APPENDIX 2 PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT photos.

*** End of Report ***

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