

TEST REPORT

Product Name: Wireless Presentation Pod

Trade Mark: Yealink

Model No.: WPP30

Add. Model No.: PA20

Report Number: 26030622941RFC-1

Specified Categories: Item 19-3 of Article 2 Paragraph 1

Standard: MIC Notification No. 88 Appendix No.45

Test Result: PASS

Date of Issue: March 24, 2026

Prepared for:

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UTTR-RF-STDT71-V1.1

Version

Version No.	Date	Description
V1.0	March 24, 2026	Original

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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:	Wireless Presentation Pod		
Model No.:	WPP30		
Add. Model No.:	PA20		
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 V5.2 (only BLE)	
	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
Software Version:	270.359.200.2 (Provided by the customer)		
Hardware Version:	WPP30MV (Provided by the customer)		
Sample Received Date:	March 5, 2026		
Sample Tested Date:	March 9, 2026 to March 18, 2026		
Note: The additional model PA20 is identical with the test model WPP30 except the model number for marketing purpose.			
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

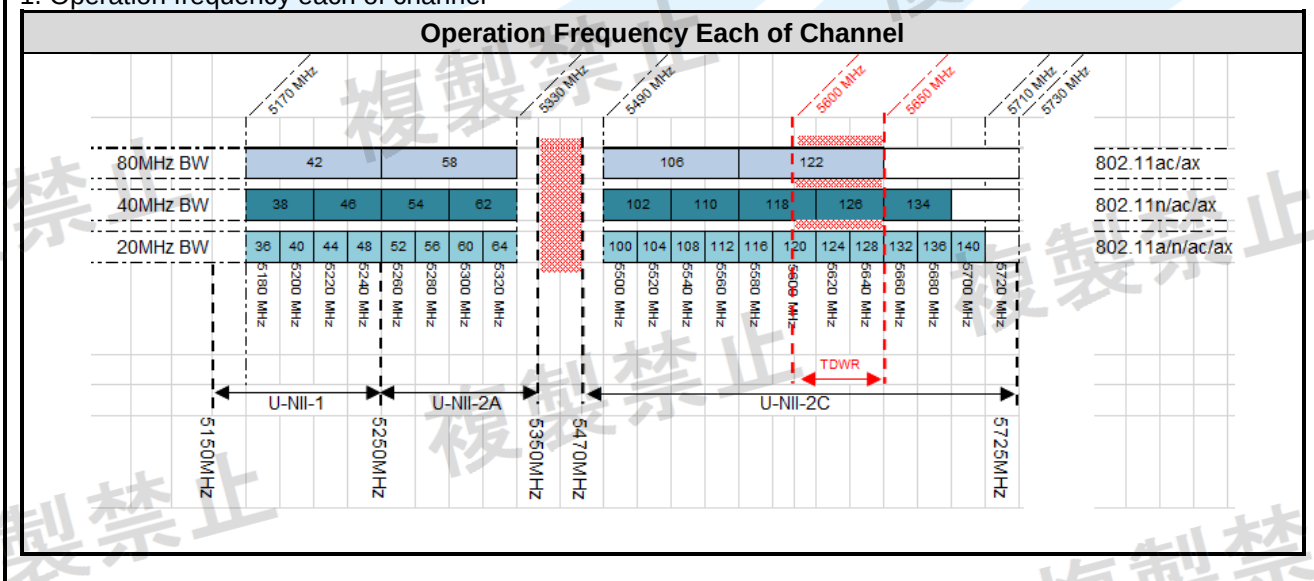
None.

1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Frequency Band:	5150 MHz to 5250 MHz	
	5250 MHz to 5350 MHz	
	5470 MHz to 5725 MHz	
Frequency Range:	5180 MHz to 5240 MHz	
	5260 MHz to 5320 MHz	
	5500 MHz to 5700 MHz	
Radio Technique:	IEEE 802.11a/n/ac/ax	
TPC Function:	Not Support	
DFS Operational mode:	Slave without radar Interference detection function	
Modulation Technique:	DSSS, OFDM	
Type of Modulation:	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK)	
	IEEE 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK)	
	IEEE 802.11ac: OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK)	
	IEEE 802.11ax: ☒ OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) ☐ OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)	
Number of subcarriers:	IEEE 802.11a: >1 / MHz	
	IEEE 802.11n-HT20/ ac-VHT20/ax-HE20: >1 / MHz	
	IEEE 802.11n-HT40/ ac-VHT40/ax-HE40: >1 / MHz	
	IEEE 802.11ac-VHT80/ax-HE80: >1 / MHz	
Channel Spacing:	IEEE 802.11a/n-HT20/ac-VHT20/ax-HE20: 20 MHz (Please see NOTE 1)	
	IEEE 802.11n-HT40/ac-VHT40/ax-HE40: 40 MHz (Please see NOTE 1)	
	IEEE 802.11ac-VHT80/ax-HE80: 80 MHz (Please see NOTE 1)	
Data Rate:	IEEE 802.11a: Up to 54 Mbps	
	IEEE 802.11n-HT20/HT40: Up to MCS7	
	IEEE 802.11ac-VHT20: Up to MCS8	
	IEEE 802.11ac-VHT40/ VHT80: Up to MCS9	
	IEEE 802.11ax-HE20/HE40/HE80: Up to MCS11	
RF Output Power:	Please see NOTE 2	
Antenna Type: (Provided by the customer)	PCB Antenna	
Antenna Gain: (Provided by the customer)	5150 MHz to 5250 MHz	5.77 dBi
	5250 MHz to 5350 MHz	5.81 dBi
	5470 MHz to 5725 MHz	4.70 dBi
Test Voltage:	Please see NOTE 3	

NOTE:

1. Operation frequency each of channel



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2. The RF output power as below table:

SISO Mode	Rated output power density (mW/MHz)		
	W52	W53	W56
IEEE 802.11a	1.00	1.00	1.00
IEEE 802.11n-HT20	0.75	0.75	0.75
IEEE 802.11n-HT40	0.25	0.25	0.25
IEEE 802.11ac-VHT20	0.50	0.50	0.50
IEEE 802.11ac-VHT40	0.25	0.25	0.25
IEEE 802.11ac-VHT80	0.10	0.10	0.10
IEEE 802.11ax-HE20	0.50	0.50	0.50
IEEE 802.11ax-HE40	0.15	0.15	0.15
IEEE 802.11ax-HE80	0.075	0.075	0.075

3. Test voltage as below table:

	Normal Voltage	Low Extreme Voltage	High Extreme Voltage
Operating Voltage (V)	5.0V	4.5 V	5.5 V
Measuring Voltage (V)	3.301 V	3.301 V	3.302 V
Tolerance (%)	--	0.00 %	0.03 %

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 19-3 of Article 2 Paragraph 1,
MIC Notification No. 88 Appendix No.45

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.

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Telephone: +86 (0) 755 2823 0888
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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	$\pm 6.5 \times 10^{-8}$
2	Occupied Channel Bandwidth	$\pm 1.86\%$
3	RF output power, conducted	± 0.9 dB
4	Power Spectral Density	± 0.6 dB
5	Spurious emissions, conducted	± 2.7 dB
6	Supply voltages	± 0.68 %
7	Time	± 0.19 %
8	Adjacent Channel Power	± 1.3 dB
Remark: 95% Confidence Levels, k=2.		

2. TEST SUMMARY

Item	Notice 88 Appendix 45 Reference	ARIB STD-T71 Reference	Report reference	Result
GENERAL PROVISIONS				
Frequency Tolerance	C	3.1.2 (4)	5.3	PASS
Occupied bandwidth	D	3.1.2 (11)	5.4	PASS
Spurious emissions	E	3.1.2 (8)	5.5	PASS
TRANSMITTING EQUIPMENT				
Antenna power	F	3.1.2 (2)	5.6	PASS
SAR	--	--	--	N/A
TRANSMITTING ANTENNA				
Type, configuration, etc. of transmitting antenna	--	--	1.3, 5.2	PASS
Direction pattern of transmitting antenna	--	--	5.2	PASS
RECEIVING EQUIPMENT				
Spurious emissions of receiver	H	3.1.3 (1)	5.10	PASS
Refer to all articles for transmitting antenna	--	--	5.2	PASS
OPERATING FREQUENCY (5150-5350MHZ, 5470-5730MHZ)				
High Frequency/modulation section cannot be opened easily	--	3.1.8 (1)	5.12	PASS
Communication method	--	3.1.1 (1)	1.3	PASS
Modulation method	--	3.1.2 (1)	1.3	PASS
Signal transmission rate	--	3.1.2 (6)	1.3	PASS
Transmission burst length	--	3.1.2 (7)	5.7	PASS
Antenna power	--	3.1.2 (2)	5.6	PASS
Isotropically radiated power	--	3.1.2 (5)	5.6	PASS
Number of carriers	--	3.1.2 (1)	1.3	PASS
Spreading factor	--	--	--	N/A
Out-band leakage power	--	3.1.2 (10)	5.8	PASS
Adjacent Channel Emitted Power	--	3.1.2 (9)	5.9	PASS
Comply with the technical conditions	--	--	--	PASS
Carrier Sense Capability	--	3.1.5	5.11	PASS
Interference Prevention Function	--	--	5.12	PASS
Dynamic frequency selection	--	--	5.13	PASS
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
☒	USB Wideband Power Sensor	KEYSIGHT	U2021XA	MY55430035	24-Oct-2025	23-Oct-2026
☒	MXG X-Series RF Vector Signal Generator	KEYSIGHT	N5182B	MY51350267	24-Oct-2025	23-Oct-2026
☐	Wideband Radio Communication Tester	R&S	CMW500	120932	28-Mar-2025	27-Mar-2026
☐	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 (V)	Relative Humidity (%)
TN/VN	+15 to +35	5.0	45%-85%
TN/VL		4.5	
TN/VH		5.5	
Remark:			
1) VN: Normal Voltage; TN: Normal Temperature;			
2) VL: Low Extreme Test Voltage; VH: High Extreme Test Voltage.			
3) The operating voltage range of this device declared by client is 4.5V to 5.5 V.			

4.1.2 Record of Normal Environment and Test Sample

Test Item	Temp. (°C)	Relative Humidity (%)	Pressure (kPa)	Sample No.	Tested by
Frequency Tolerance	22.1	43.4	100.6	S202603068047-ZJA02/2	David Du
Occupied bandwidth & Spreading bandwidth					
Spurious emissions					
Antenna power					
Spurious emissions of receiver					
Out-band leakage power					
Adjacent Channel power tolerance					

4.2 TEST CHANNELS

Mode	Tx/Rx Frequency	Test RF Channel Lists		
		Lowest(L)	Middle(M)	Highest(H)
IEEE 802.11a IEEE 802.11n-HT20 IEEE 802.11ac-VHT20 IEEE 802.11ax-HE20	5150 MHz to 5250 MHz	Channel 36	Channel 44	Channel 48
		5180 MHz	5220 MHz	5240 MHz
	5250 MHz to 5350 MHz	Channel 52	Channel 60	Channel 64
		5260 MHz	5300 MHz	5320 MHz
	5470 MHz to 5725 MHz	Channel 100	Channel 120	Channel 140
		5500 MHz	5600 MHz	5700 MHz
IEEE 802.11n-HT40 IEEE 802.11ac-VHT40 IEEE 802.11ax-HE40	5150 MHz to 5250 MHz	Channel 38	--	Channel 46
		5190 MHz	--	5230 MHz
	5250 MHz to 5350 MHz	Channel 54	--	Channel 62
		5270 MHz	--	5310 MHz
	5470 MHz to 5725 MHz	Channel 102	Channel 110	Channel 134
		5510 MHz	5550 MHz	5670 MHz
IEEE 802.11ac-VHT80 IEEE 802.11ax-HE80	5150 MHz to 5250 MHz	--	Channel 42	--
		--	5210 MHz	--
	5250 MHz to 5350 MHz	--	Channel 58	--
		--	5290 MHz	--
	5470 MHz to 5725 MHz	Channel 106	Channel 122	--
		5530 MHz	5610 MHz	--

4.3 EUT TEST STATUS

Mode	Tx/Rx Function	Description
IEEE 802.11a/n/ac/ax	1Tx/1Rx	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.

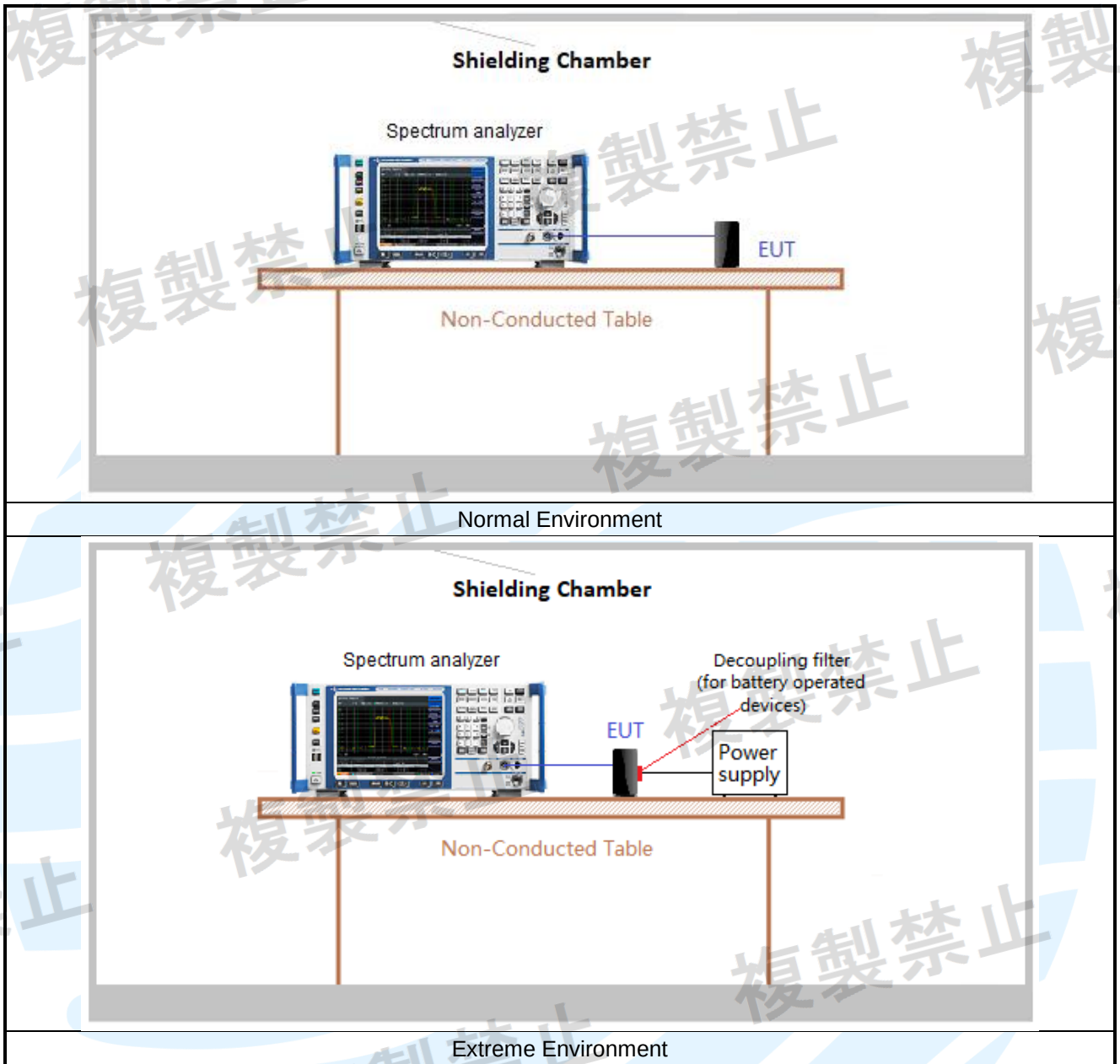
Power Setting (Provided by the customer)									
Mode	W52			W53			W56		
	Low	Mid	High	Low	Mid	High	Low	Mid	High
IEEE 802.11a	10	9	9	10	10	10	11	12	11
IEEE 802.11n-HT20	9	8	8	9	9	9	10	11	10
IEEE 802.11n-HT40	7	--	8	8	--	8	10	10	10
IEEE 802.11ac-VHT20	8	7	7	8	8	8	9	10	9
IEEE 802.11ac-VHT40	6	--	7	7	--	7	9	9	9
IEEE 802.11ac-VHT80	--	8	--	--	6	--	8	--	8
IEEE 802.11ax-HE20	7	6	6	7	7	7	8	10	8
IEEE 802.11ax-HE40	5	--	6	6	--	6	8	8	8
IEEE 802.11ax-HE80	--	7	--	--	5	--	8	--	8

Test Software (Provided by the customer)
AuthenticTool [2.1.28.0 Feb 28 2026]

4.4 WORST-CASE DATA RATES

Mode	Worst-case data rates
IEEE 802.11a	1 Mbps
IEEE 802.11n-HT20 IEEE 802.11ac-VHT20 IEEE 802.11ax-HE20	MCS0
IEEE 802.11n-HT40 IEEE 802.11ac-VHT40 IEEE 802.11ax-HE40	MCS0
IEEE 802.11ac-VHT80 IEEE 802.11ax-HE80	MCS0

4.5 TEST SETUP



5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

5.1 REFERENCE DOCUMENTS FOR TESTING

Item 19-3 of Article 2 Paragraph 1: Low power data communications system in the 5.2, 5.3, 5.6GHz band

ARIB STD-T71 Version 6.2: Broadband Mobile Access Communication System (CSMA)

MIC Notification No. 88 Appendix No.45

5.2 ANTENNA REQUIREMENT

Standard Requirement

Applicable for equipment with an antenna terminal, including testing terminals) If an antenna connector is available, all relevant tests will be carried out conducted. If not, tests will be carried out in an anechoic room or with a suitable test-fixture.

EUT Antenna

The antenna is installed inside the EUT and no consideration of replacement. The best-case gain of the antenna is 5.81 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 +/- 20ppm.

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	5180	5180.01	+1.93050	± 20	PASS
NTNV	CW 20MHz	Ant1	5220	5219.992	-1.53257	± 20	PASS
NTNV	CW 20MHz	Ant1	5240	5239.996	-0.76336	± 20	PASS
NTNV	CW 20MHz	Ant1	5260	5260.004	+0.76046	± 20	PASS
NTNV	CW 20MHz	Ant1	5300	5300.051	+9.62264	± 20	PASS
NTNV	CW 20MHz	Ant1	5320	5320.043	+8.08271	± 20	PASS
NTNV	CW 20MHz	Ant1	5500	5500.041	+7.45455	± 20	PASS
NTNV	CW 20MHz	Ant1	5600	5600.049	+8.75000	± 20	PASS
NTNV	CW 20MHz	Ant1	5700	5700.05	+8.77193	± 20	PASS
NTNV	CW 40MHz	Ant1	5190	5190.012	+2.31214	± 20	PASS
NTNV	CW 40MHz	Ant1	5230	5230.04	+7.64818	± 20	PASS
NTNV	CW 40MHz	Ant1	5270	5270.059	+11.19545	± 20	PASS
NTNV	CW 40MHz	Ant1	5310	5310.074	+13.93597	± 20	PASS
NTNV	CW 40MHz	Ant1	5510	5510.002	+0.36298	± 20	PASS
NTNV	CW 40MHz	Ant1	5550	5550.024	+4.32432	± 20	PASS
NTNV	CW 40MHz	Ant1	5670	5670.039	+6.87831	± 20	PASS
NTNV	CW 80MHz	Ant1	5210	5210.051	+9.78887	± 20	PASS
NTNV	CW 80MHz	Ant1	5290	5290.016	+3.02458	± 20	PASS
NTNV	CW 80MHz	Ant1	5530	5530.039	+7.05244	± 20	PASS
NTNV	CW 80MHz	Ant1	5610	5610.051	+9.09091	± 20	PASS

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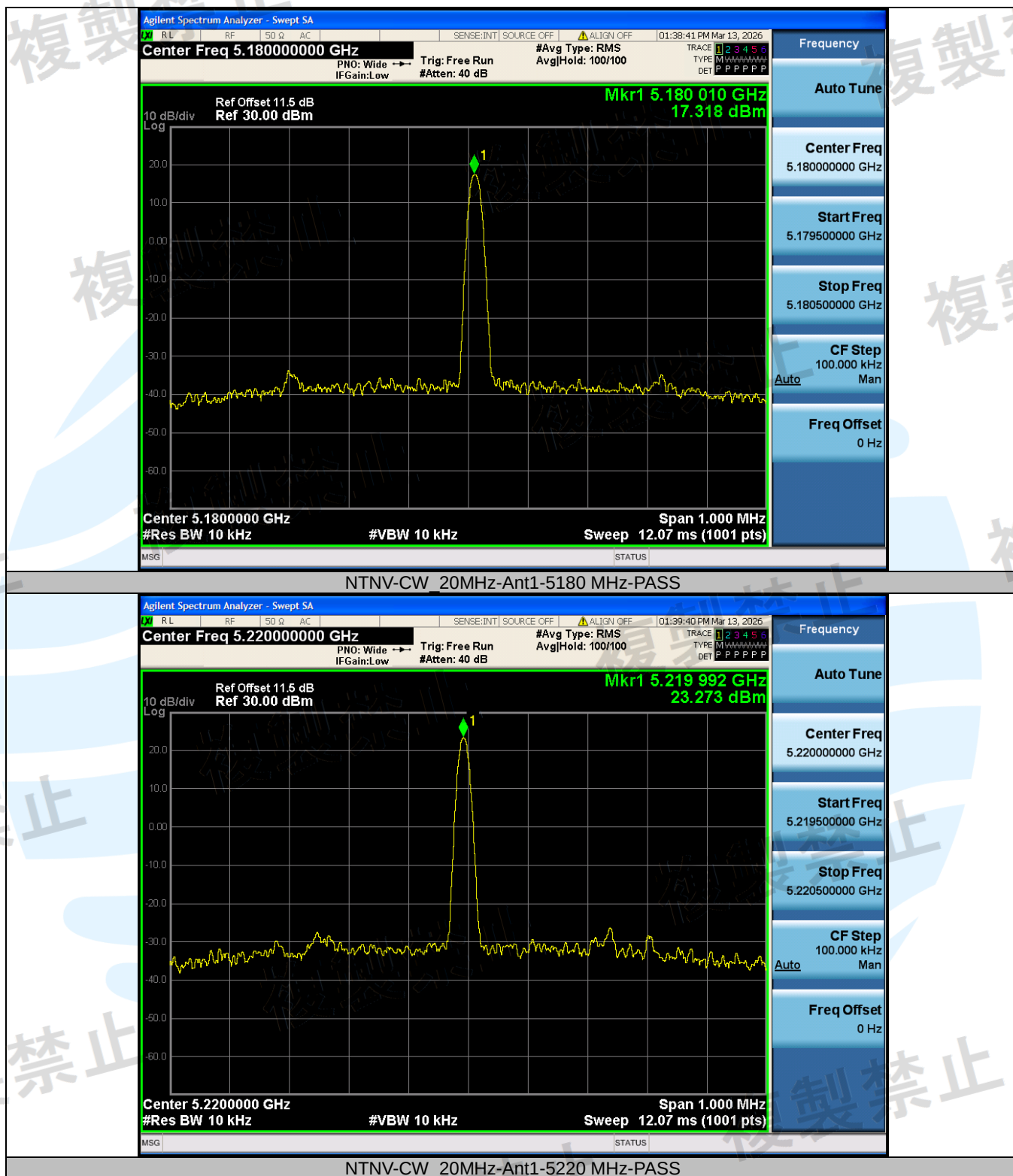
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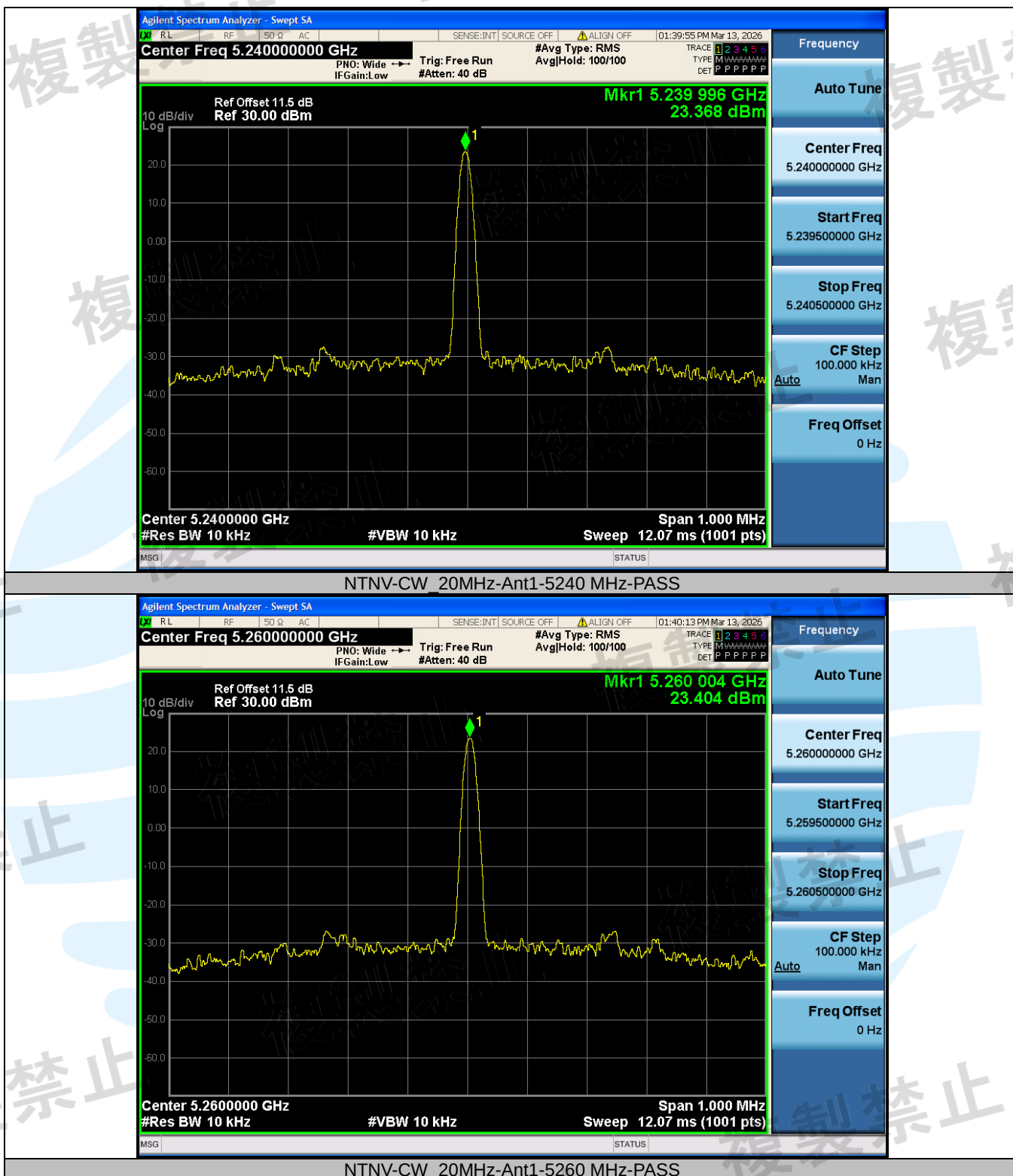
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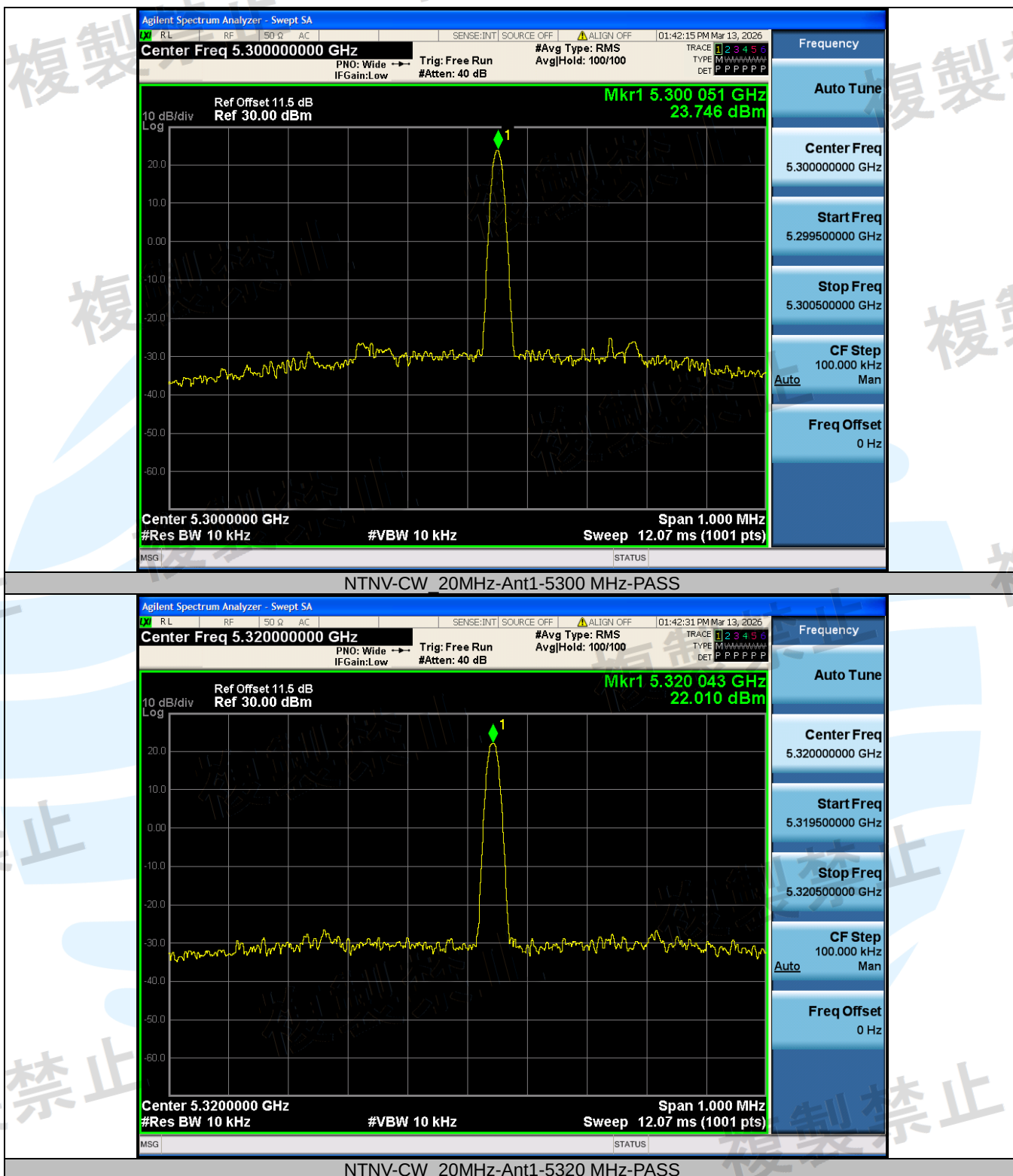
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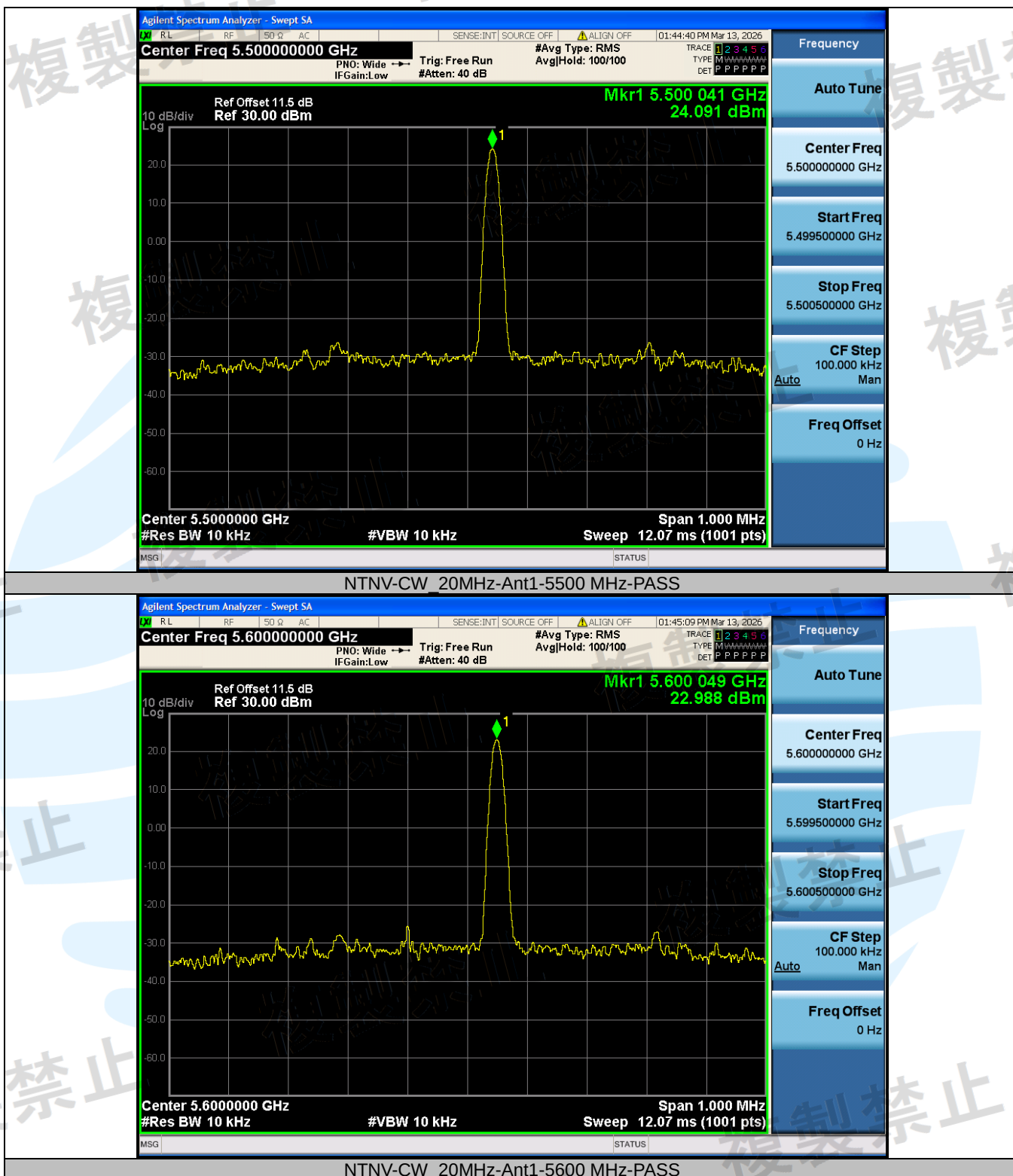
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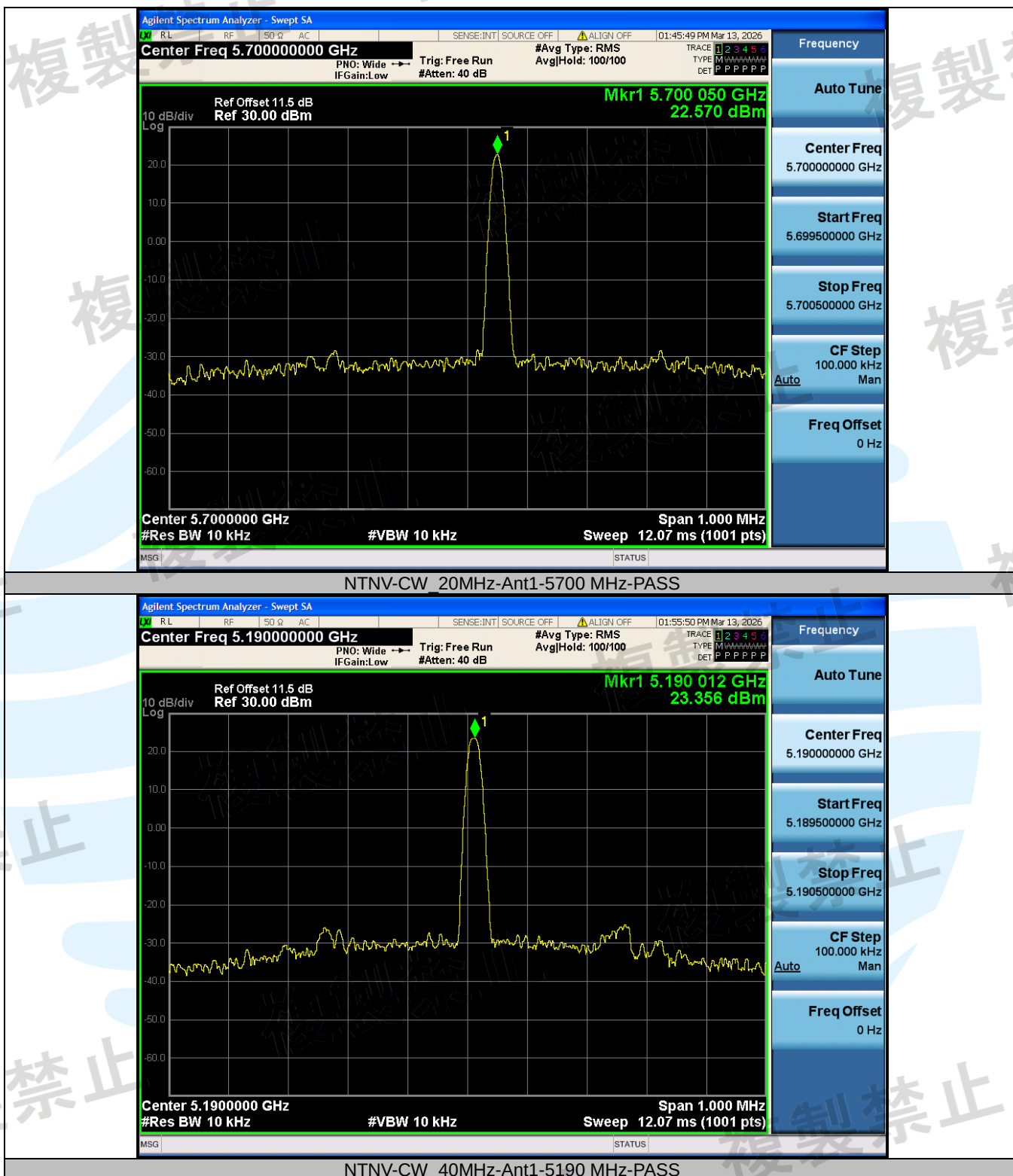
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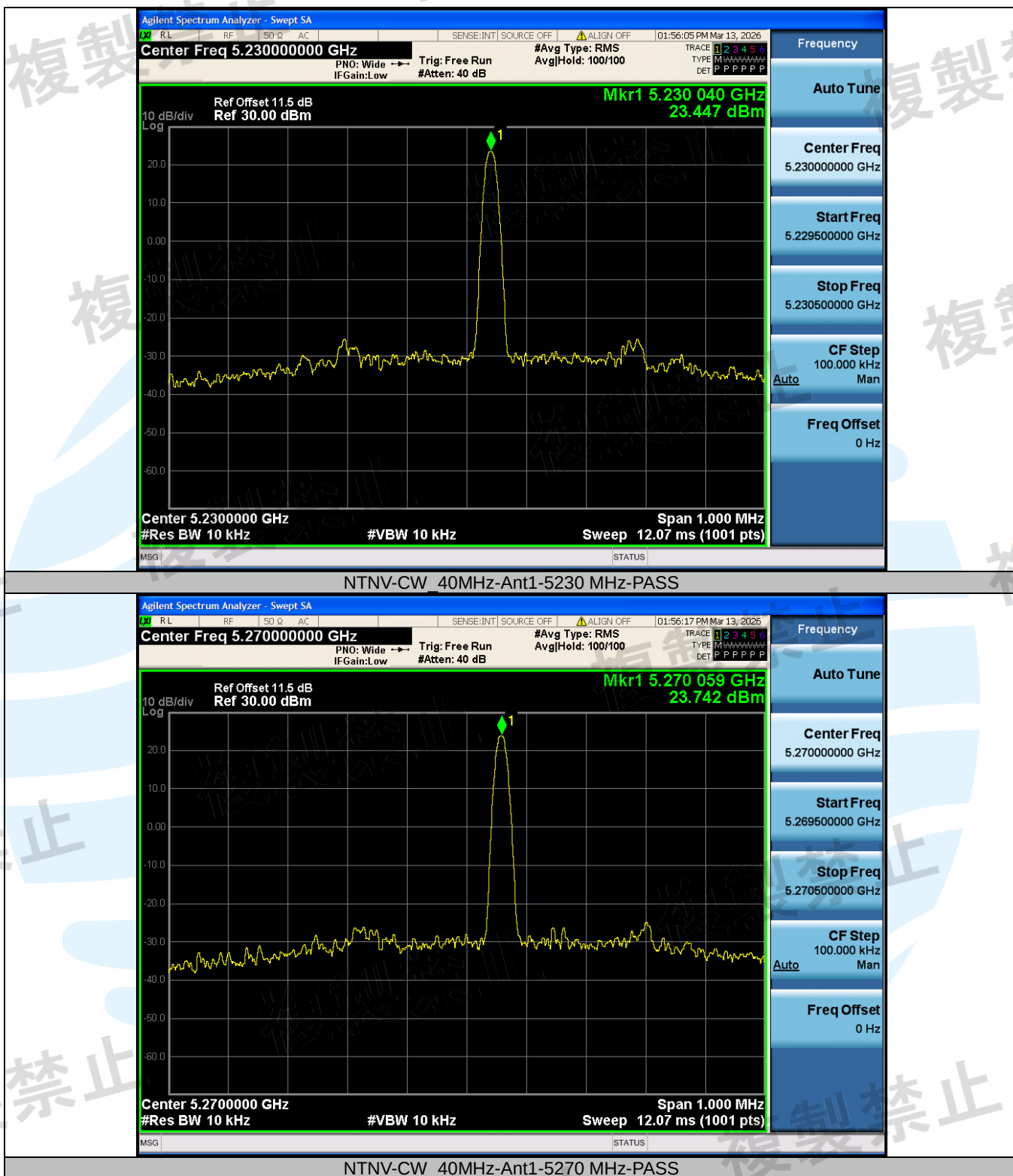
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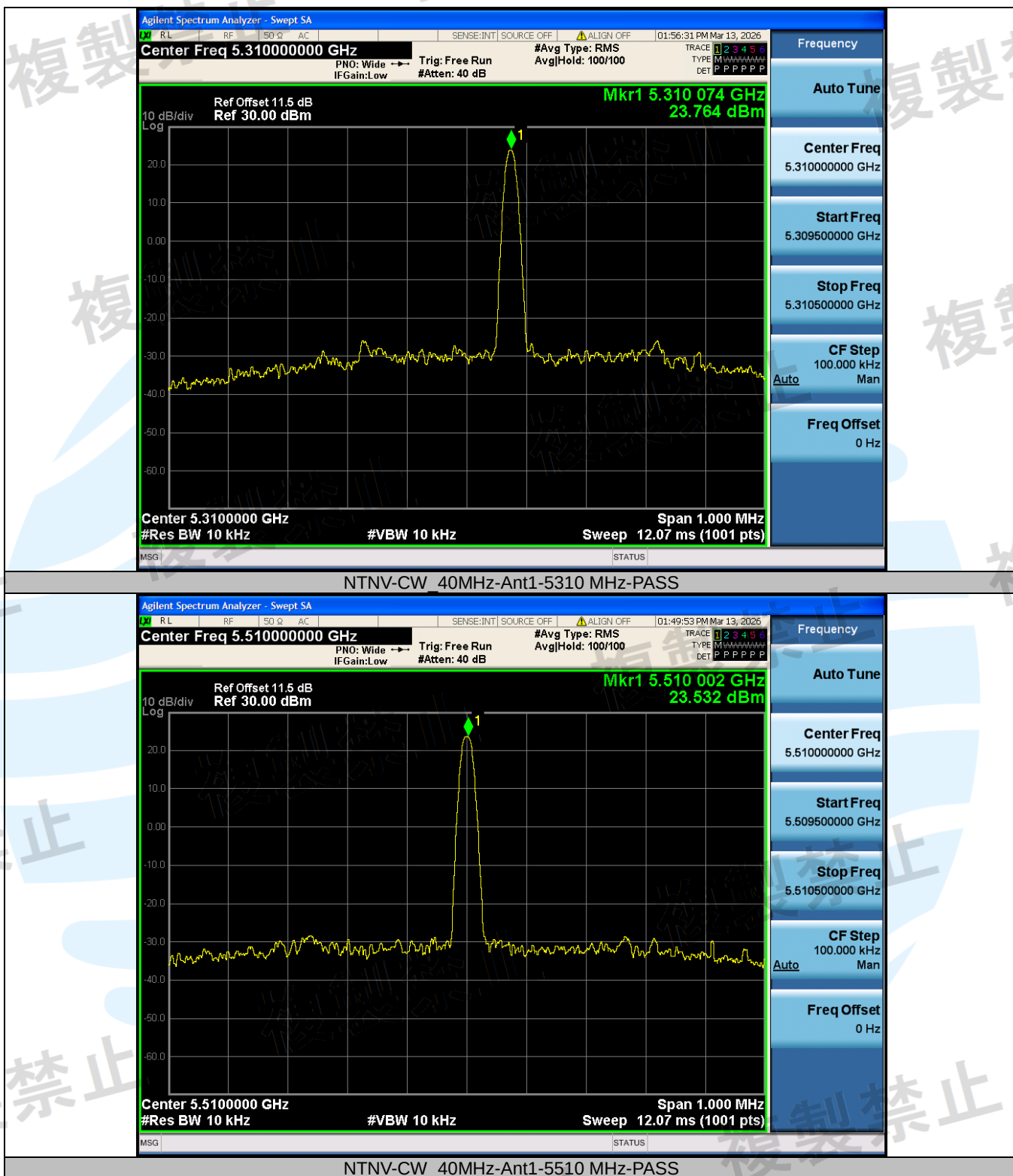
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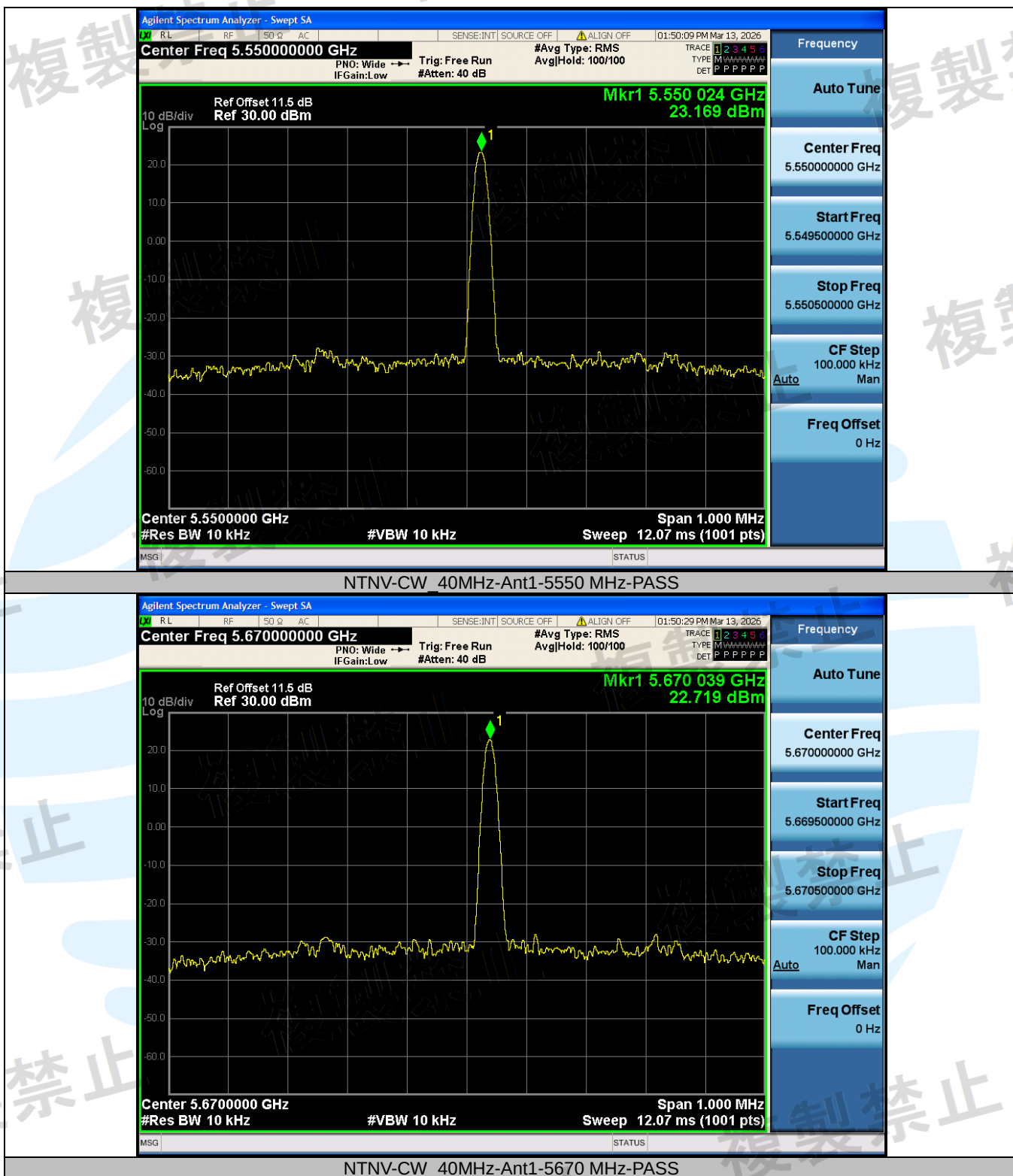
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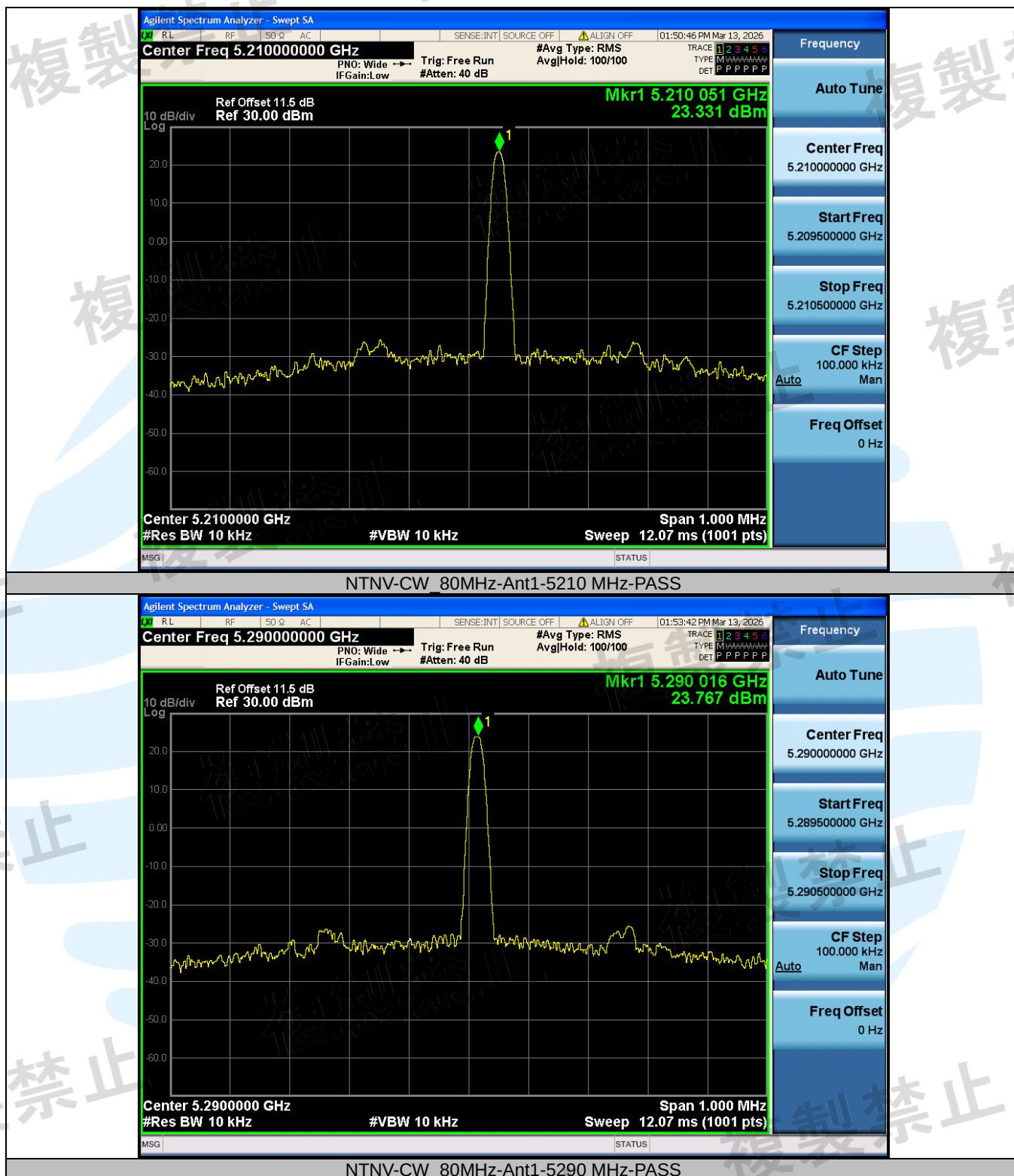
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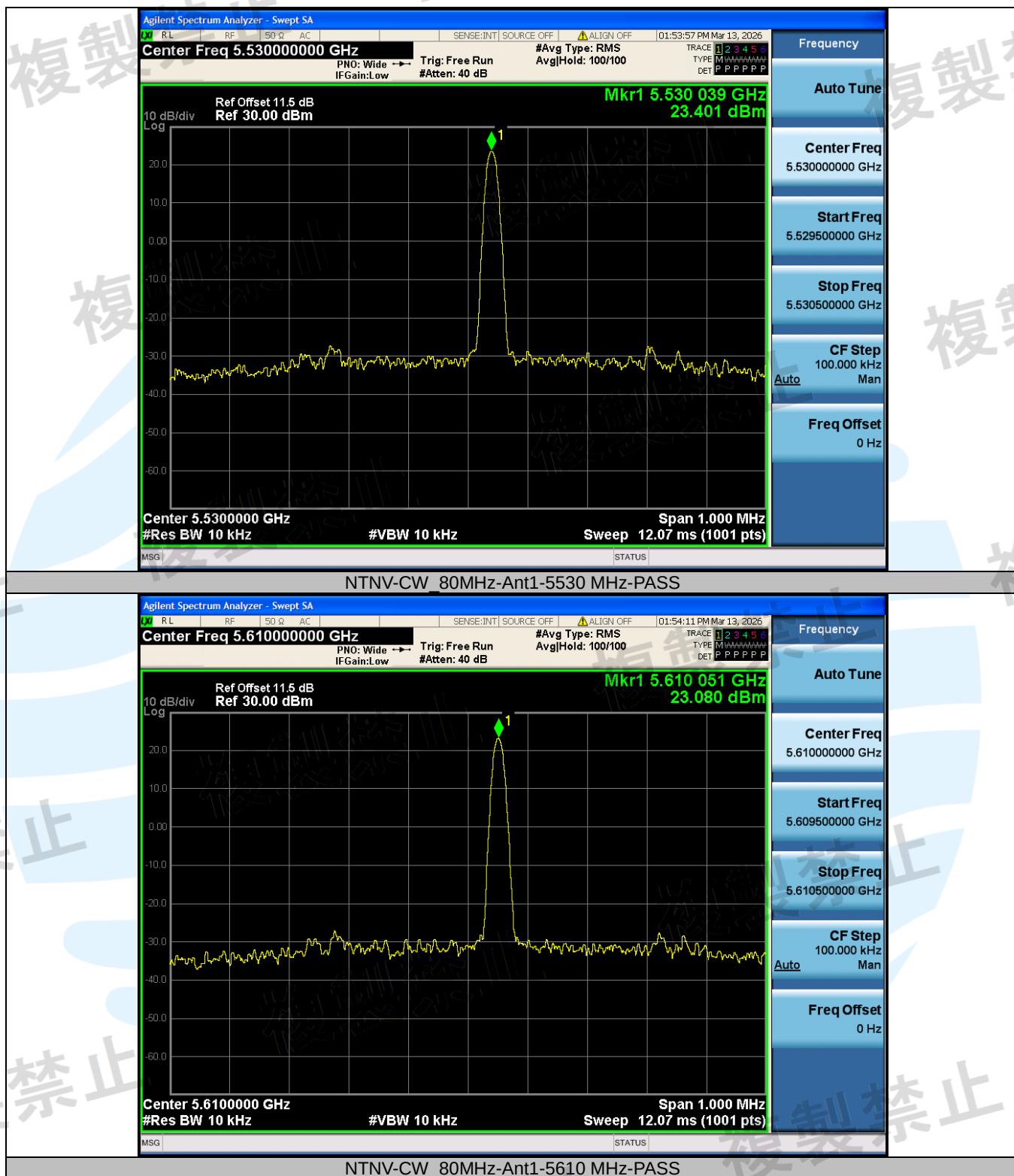
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5.4 OCCUPIED BANDWIDTH (99% BW)

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: $\leq 160\text{MHz}$

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	11A	Ant1	5180	16.839	≤ 20	PASS
NTNV	11A	Ant1	5220	16.755	≤ 20	PASS
NTNV	11A	Ant1	5240	16.737	≤ 20	PASS
NTNV	11A	Ant1	5260	16.835	≤ 20	PASS
NTNV	11A	Ant1	5300	16.786	≤ 20	PASS
NTNV	11A	Ant1	5320	16.822	≤ 20	PASS
NTNV	11A	Ant1	5500	16.832	≤ 20	PASS
NTNV	11A	Ant1	5600	16.767	≤ 20	PASS
NTNV	11A	Ant1	5700	16.810	≤ 20	PASS
NTNV	11N20SISO	Ant1	5180	18.000	≤ 20	PASS
NTNV	11N20SISO	Ant1	5220	17.947	≤ 20	PASS
NTNV	11N20SISO	Ant1	5240	18.021	≤ 20	PASS
NTNV	11N20SISO	Ant1	5260	17.926	≤ 20	PASS
NTNV	11N20SISO	Ant1	5300	17.948	≤ 20	PASS
NTNV	11N20SISO	Ant1	5320	18.032	≤ 20	PASS
NTNV	11N20SISO	Ant1	5500	17.989	≤ 20	PASS
NTNV	11N20SISO	Ant1	5600	17.972	≤ 20	PASS
NTNV	11N20SISO	Ant1	5700	17.890	≤ 20	PASS
NTNV	11N40SISO	Ant1	5190	36.330	≤ 40	PASS
NTNV	11N40SISO	Ant1	5230	36.393	≤ 40	PASS
NTNV	11N40SISO	Ant1	5270	36.359	≤ 40	PASS
NTNV	11N40SISO	Ant1	5310	36.378	≤ 40	PASS
NTNV	11N40SISO	Ant1	5510	36.265	≤ 40	PASS
NTNV	11N40SISO	Ant1	5550	36.345	≤ 40	PASS
NTNV	11N40SISO	Ant1	5670	36.388	≤ 40	PASS
NTNV	11AC20SISO	Ant1	5180	17.927	≤ 20	PASS
NTNV	11AC20SISO	Ant1	5220	18.006	≤ 20	PASS
NTNV	11AC20SISO	Ant1	5240	18.033	≤ 20	PASS

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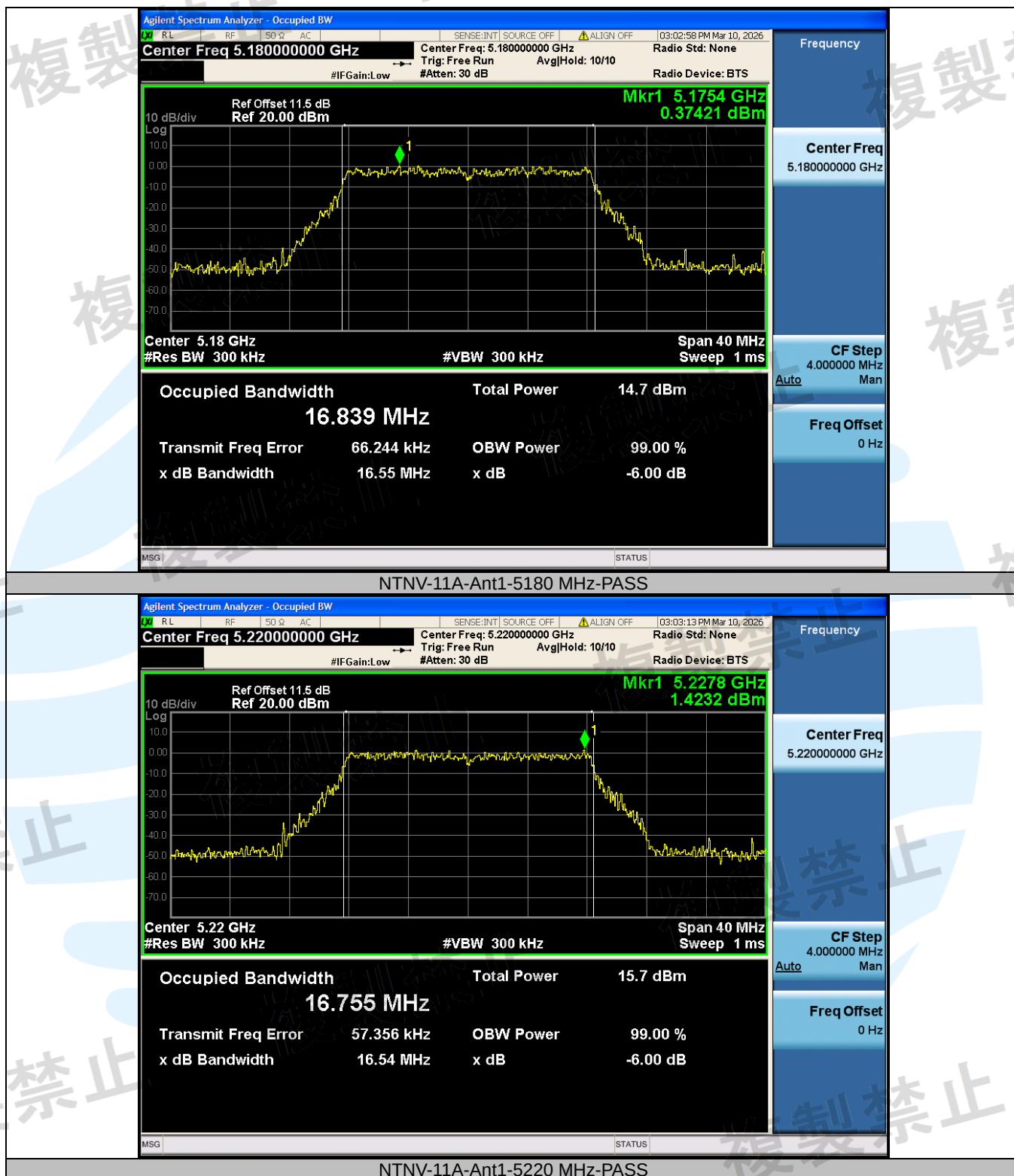
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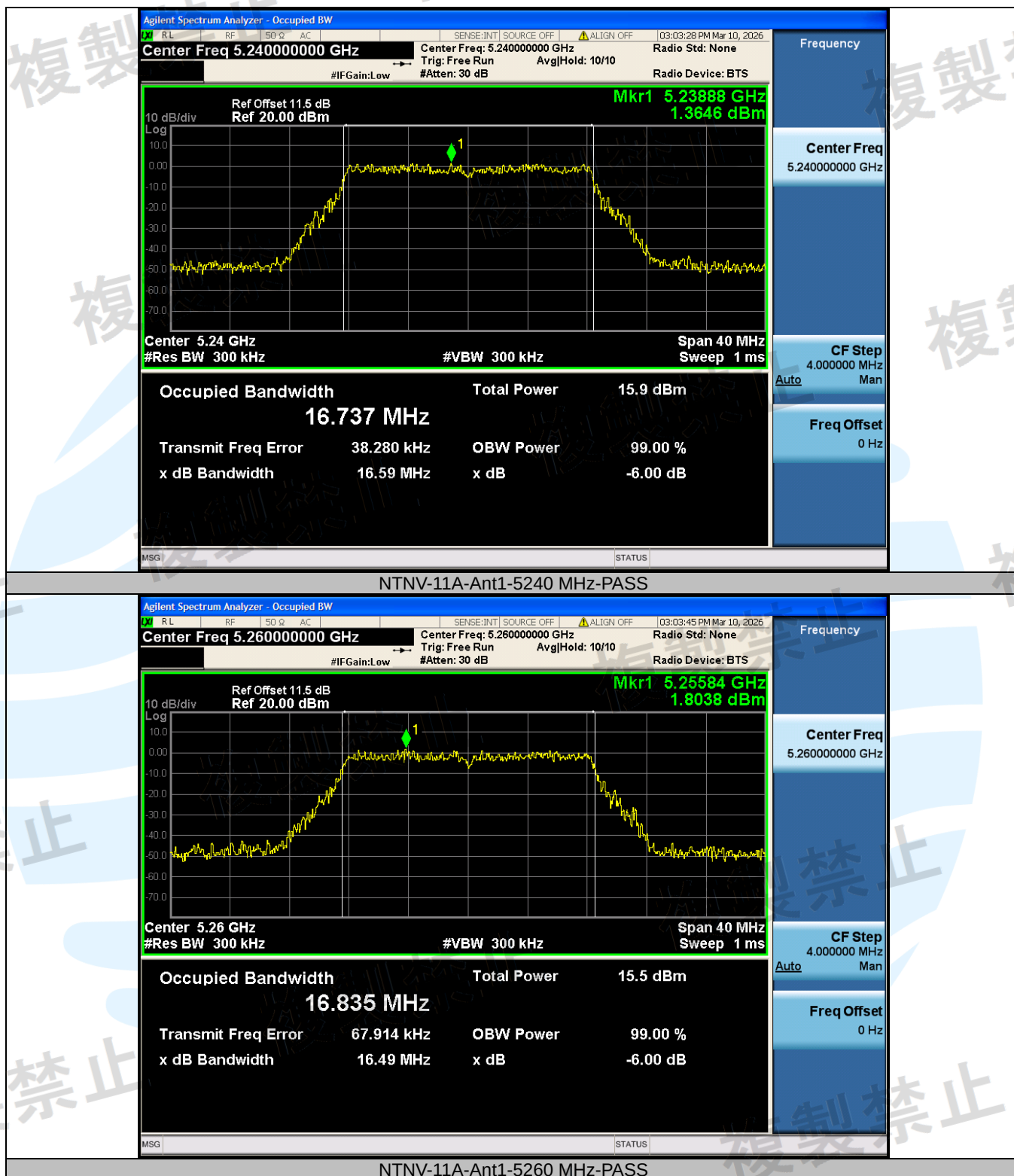
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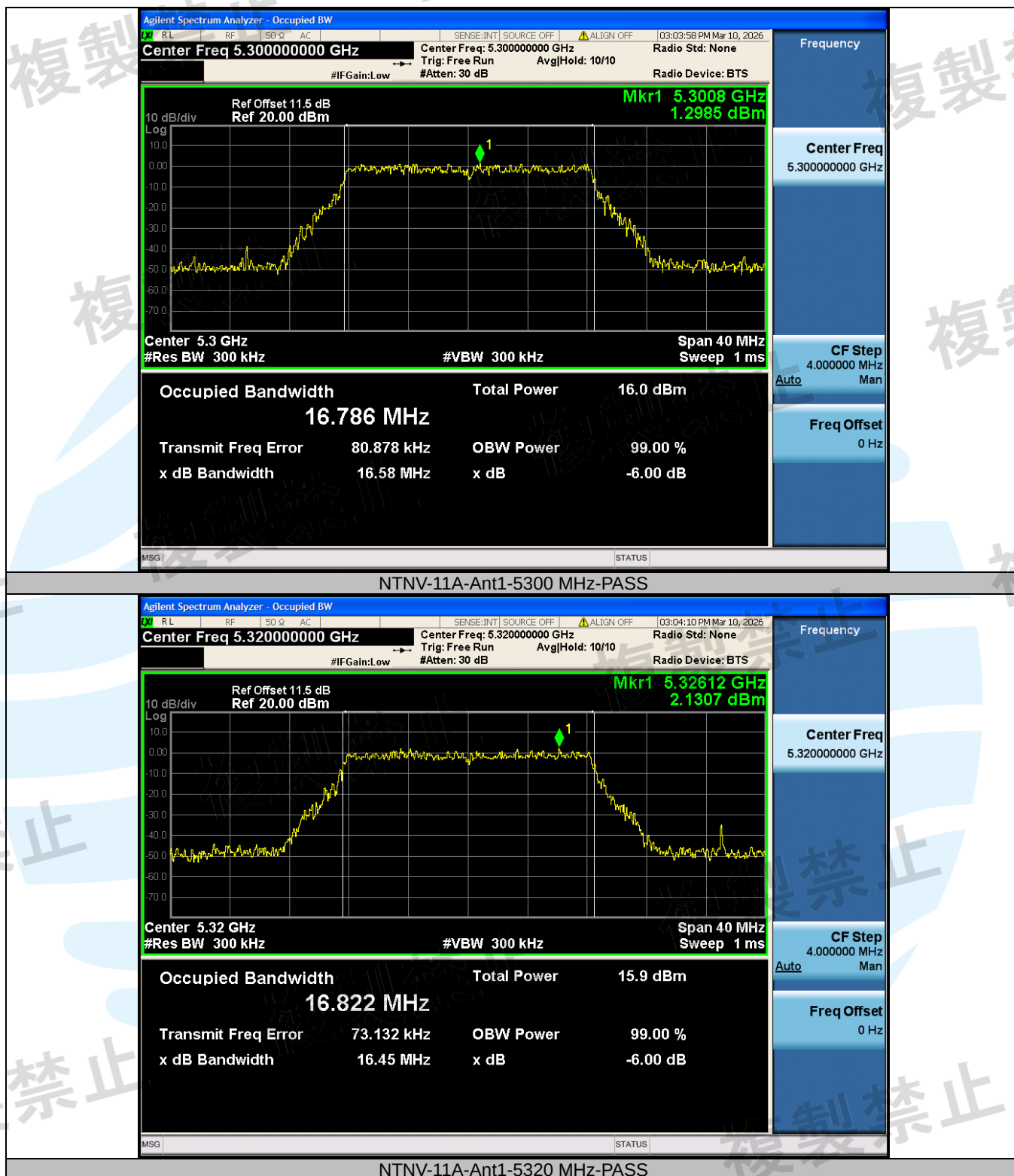
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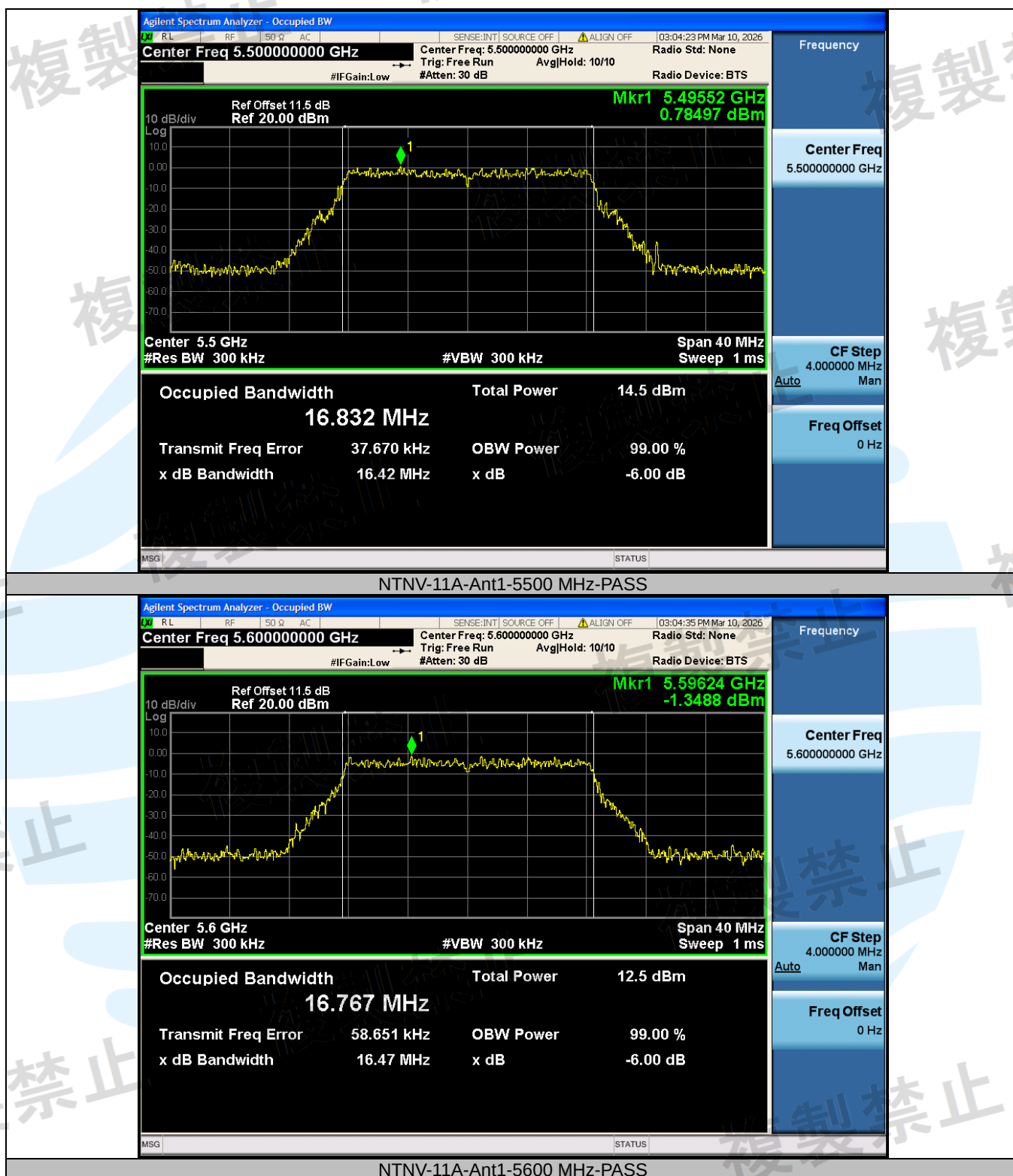
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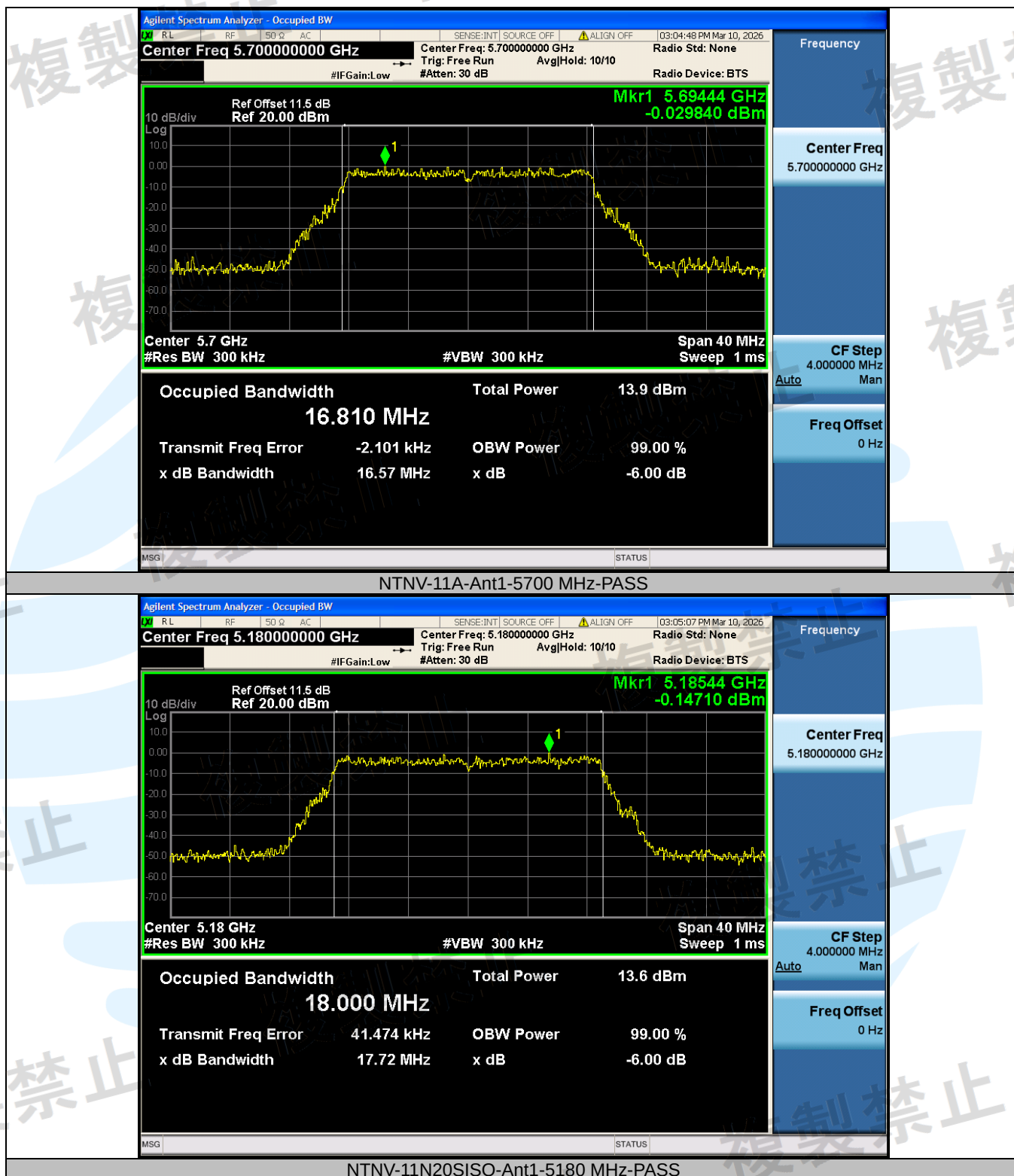
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11AC20SISO	Ant1	5260	17.926	≤20	PASS
NTNV	11AC20SISO	Ant1	5300	17.967	≤20	PASS
NTNV	11AC20SISO	Ant1	5320	18.054	≤20	PASS
NTNV	11AC20SISO	Ant1	5500	17.891	≤20	PASS
NTNV	11AC20SISO	Ant1	5600	18.004	≤20	PASS
NTNV	11AC20SISO	Ant1	5700	17.985	≤20	PASS
NTNV	11AC40SISO	Ant1	5190	36.319	≤40	PASS
NTNV	11AC40SISO	Ant1	5230	36.326	≤40	PASS
NTNV	11AC40SISO	Ant1	5270	36.328	≤40	PASS
NTNV	11AC40SISO	Ant1	5310	36.284	≤40	PASS
NTNV	11AC40SISO	Ant1	5510	36.389	≤40	PASS
NTNV	11AC40SISO	Ant1	5550	36.342	≤40	PASS
NTNV	11AC40SISO	Ant1	5670	36.345	≤40	PASS
NTNV	11AC80SISO	Ant1	5210	75.741	≤80	PASS
NTNV	11AC80SISO	Ant1	5290	75.865	≤80	PASS
NTNV	11AC80SISO	Ant1	5530	75.666	≤80	PASS
NTNV	11AC80SISO	Ant1	5610	75.696	≤80	PASS
NTNV	11AX20SISO	Ant1	5180	19.082	≤20	PASS
NTNV	11AX20SISO	Ant1	5220	19.085	≤20	PASS
NTNV	11AX20SISO	Ant1	5240	19.247	≤20	PASS
NTNV	11AX20SISO	Ant1	5260	19.120	≤20	PASS
NTNV	11AX20SISO	Ant1	5300	19.068	≤20	PASS
NTNV	11AX20SISO	Ant1	5320	19.104	≤20	PASS
NTNV	11AX20SISO	Ant1	5500	19.111	≤20	PASS
NTNV	11AX20SISO	Ant1	5600	19.110	≤20	PASS
NTNV	11AX20SISO	Ant1	5700	19.188	≤20	PASS
NTNV	11AX40SISO	Ant1	5190	37.945	≤40	PASS
NTNV	11AX40SISO	Ant1	5230	37.918	≤40	PASS
NTNV	11AX40SISO	Ant1	5270	37.844	≤40	PASS
NTNV	11AX40SISO	Ant1	5310	37.851	≤40	PASS
NTNV	11AX40SISO	Ant1	5510	37.817	≤40	PASS
NTNV	11AX40SISO	Ant1	5550	37.985	≤40	PASS
NTNV	11AX40SISO	Ant1	5670	37.863	≤40	PASS
NTNV	11AX80SISO	Ant1	5210	77.699	≤80	PASS
NTNV	11AX80SISO	Ant1	5290	77.579	≤80	PASS
NTNV	11AX80SISO	Ant1	5530	77.647	≤80	PASS
NTNV	11AX80SISO	Ant1	5610	77.692	≤80	PASS

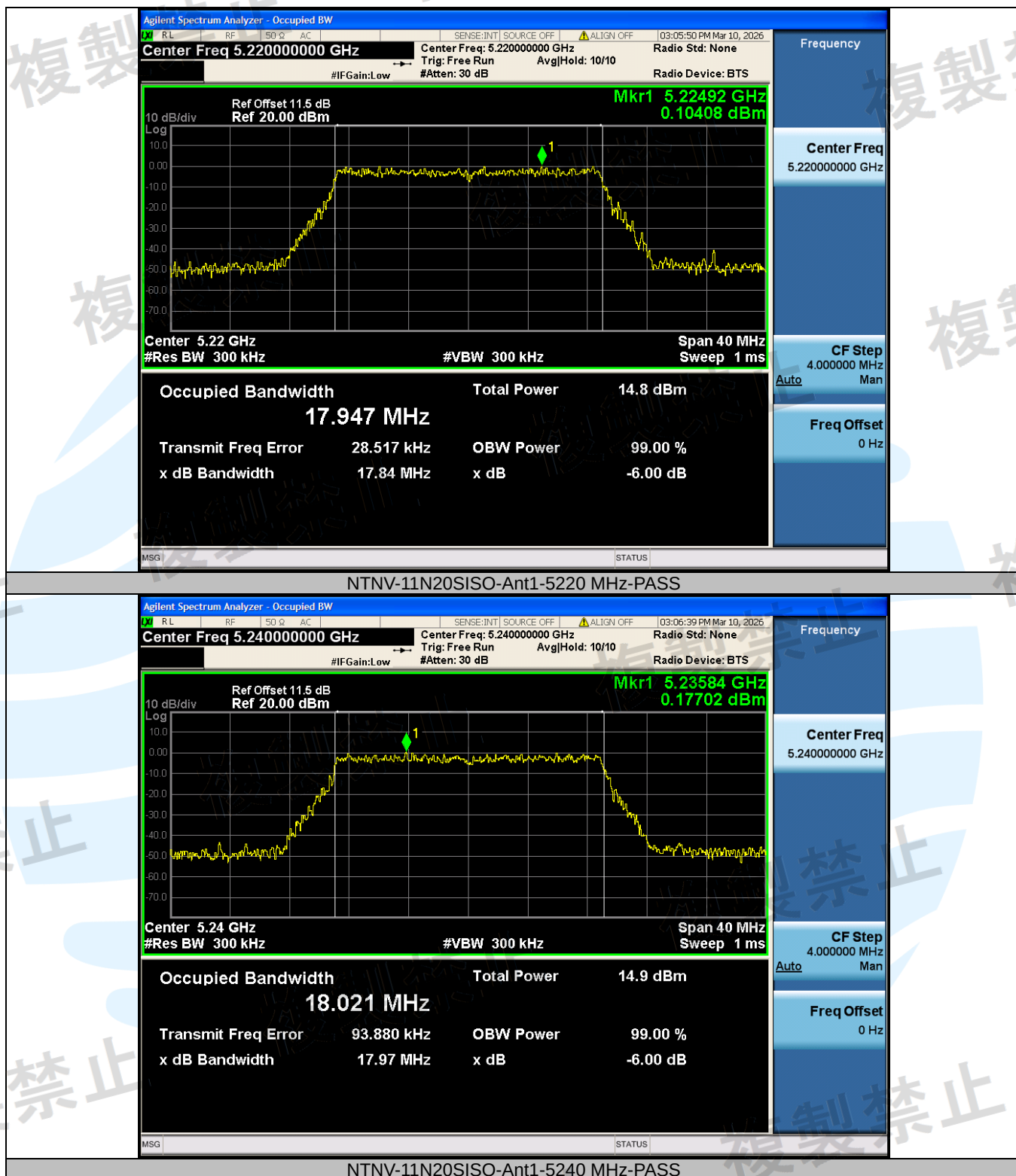


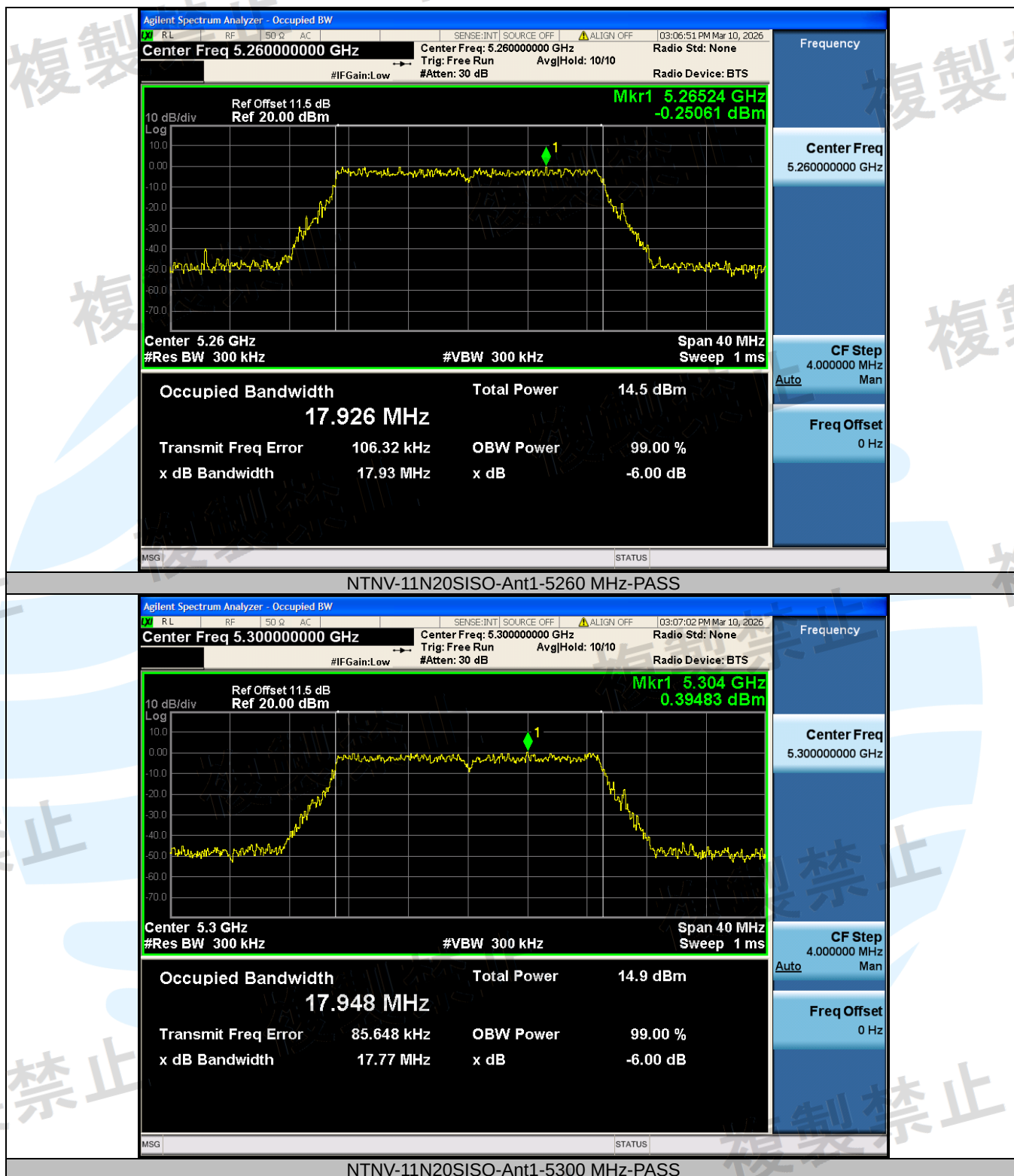


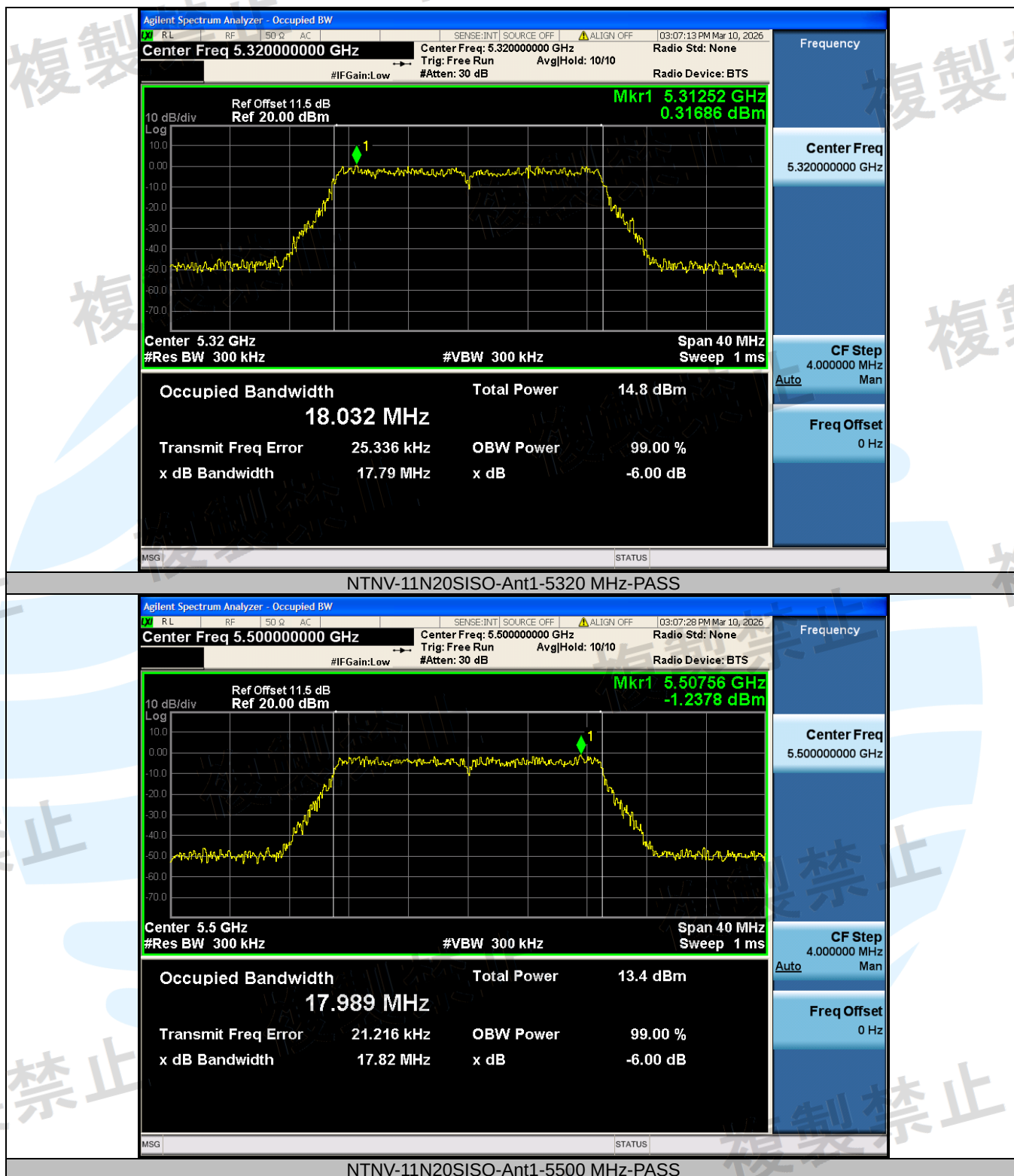


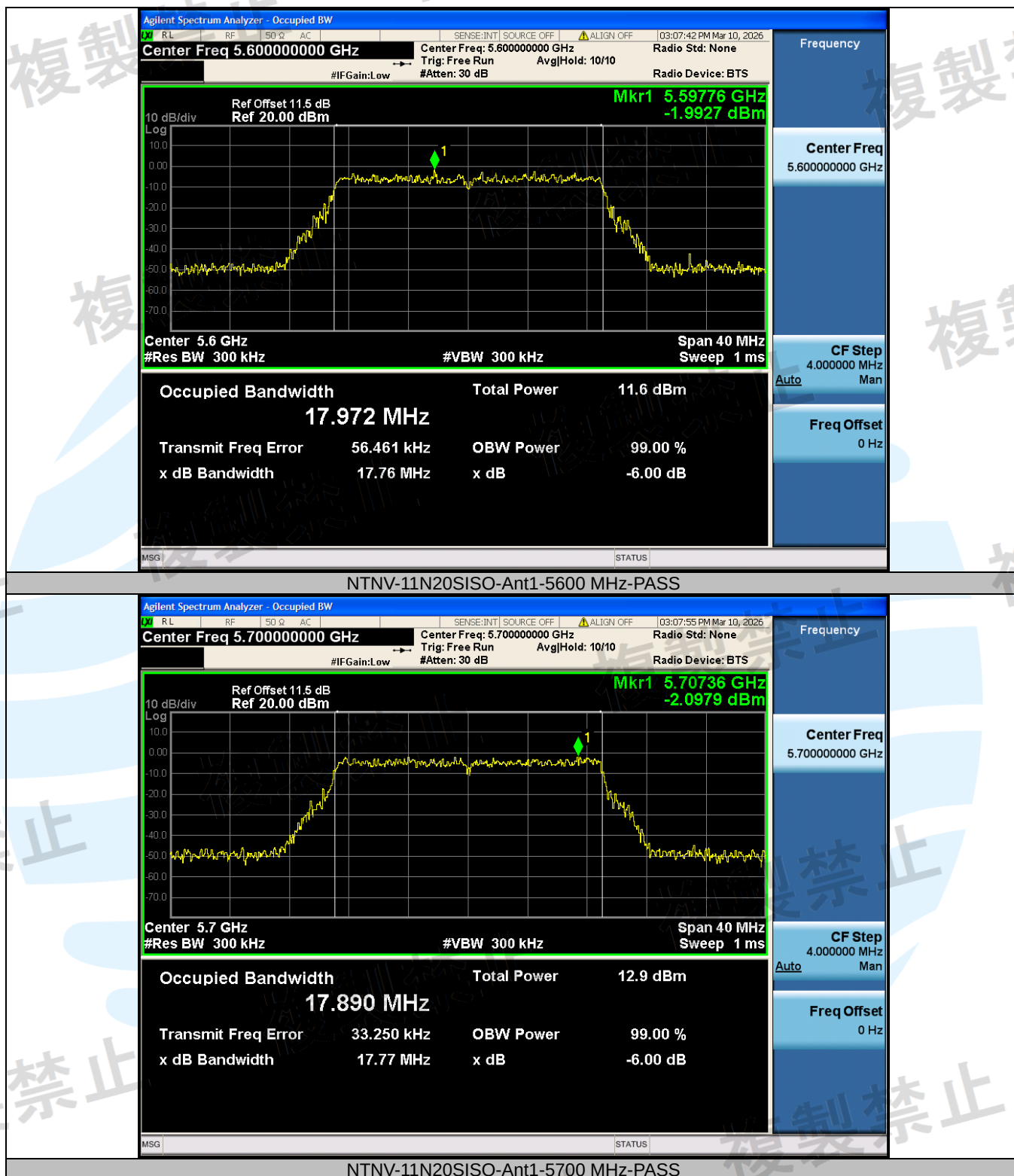


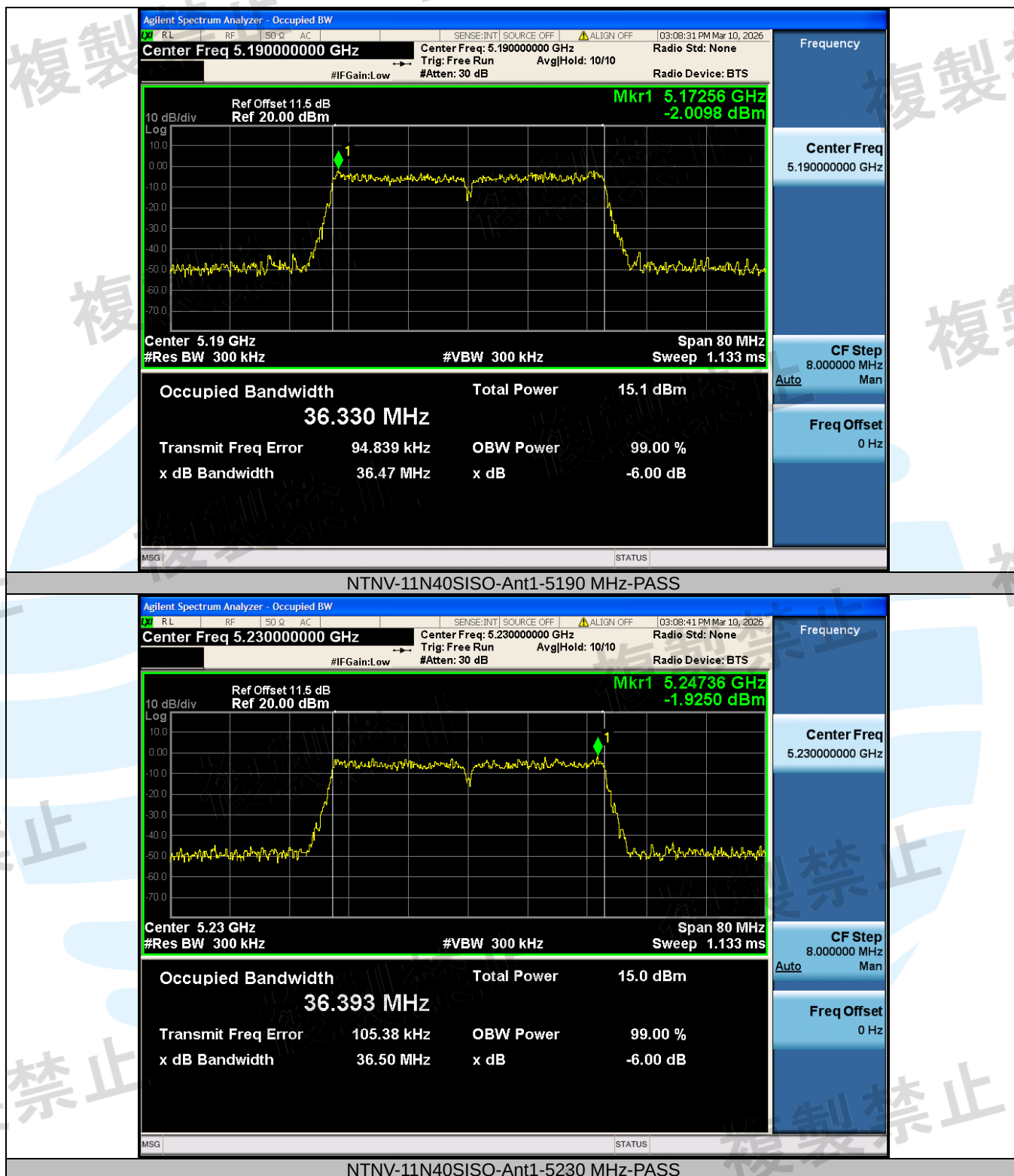


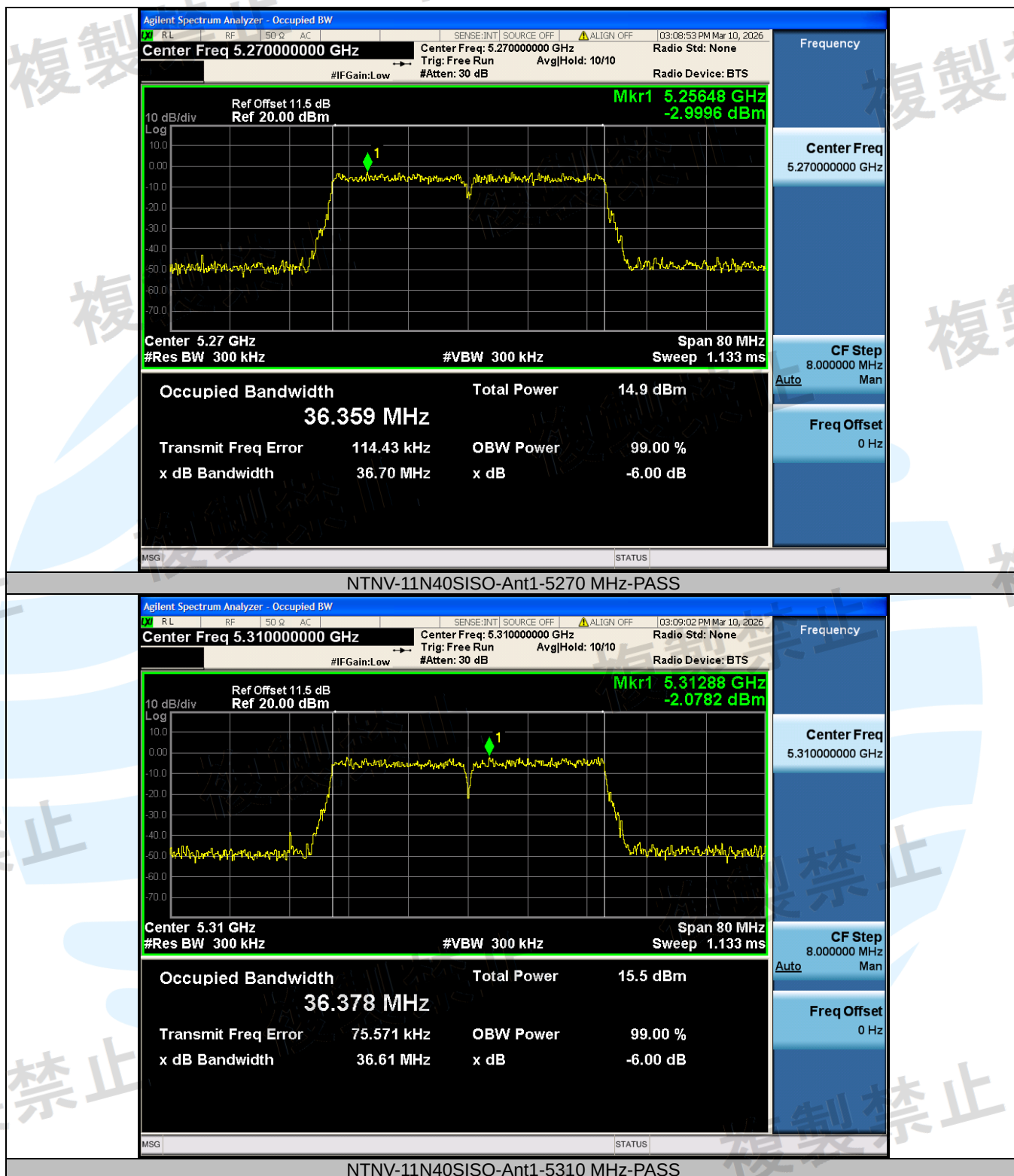


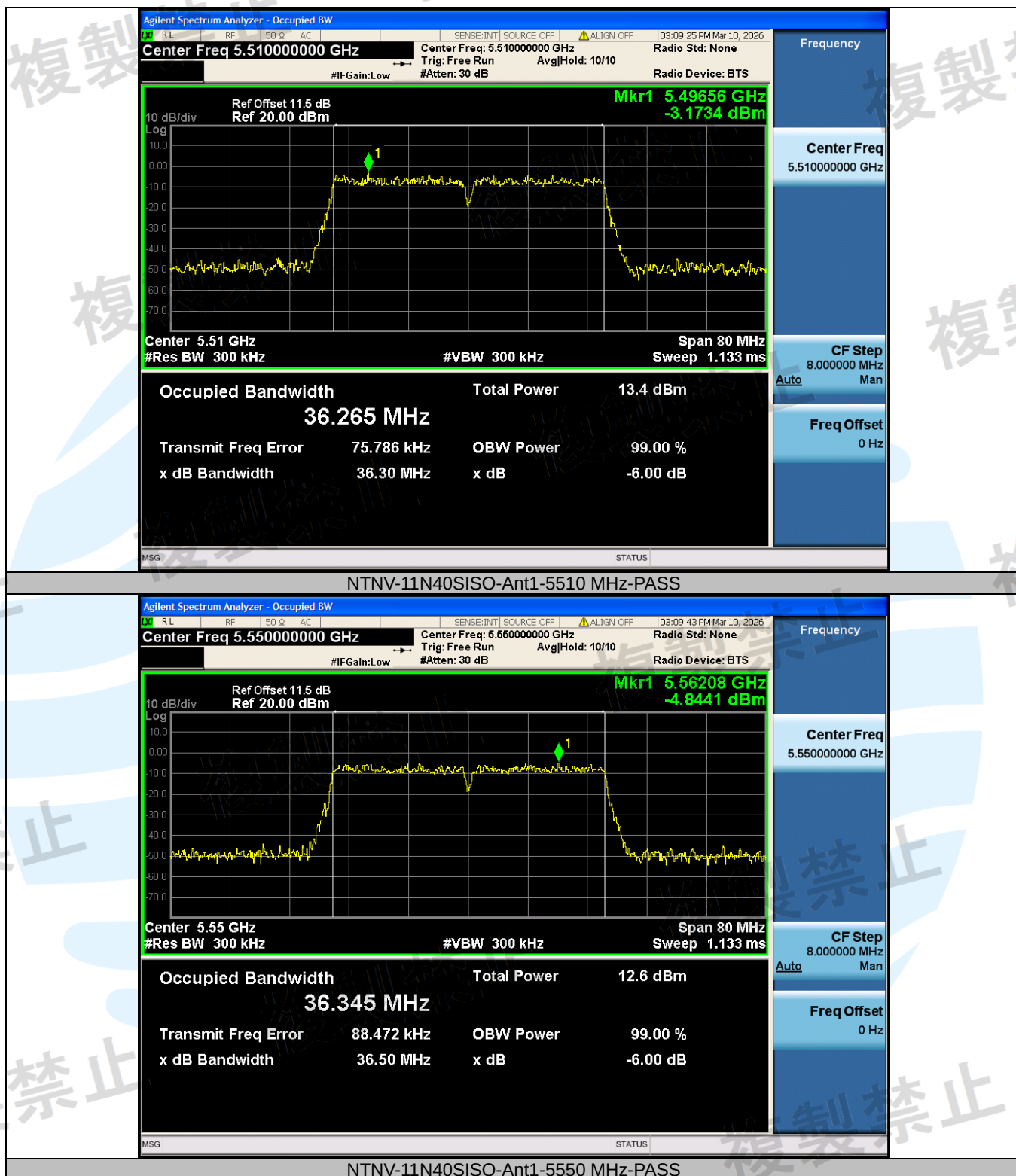


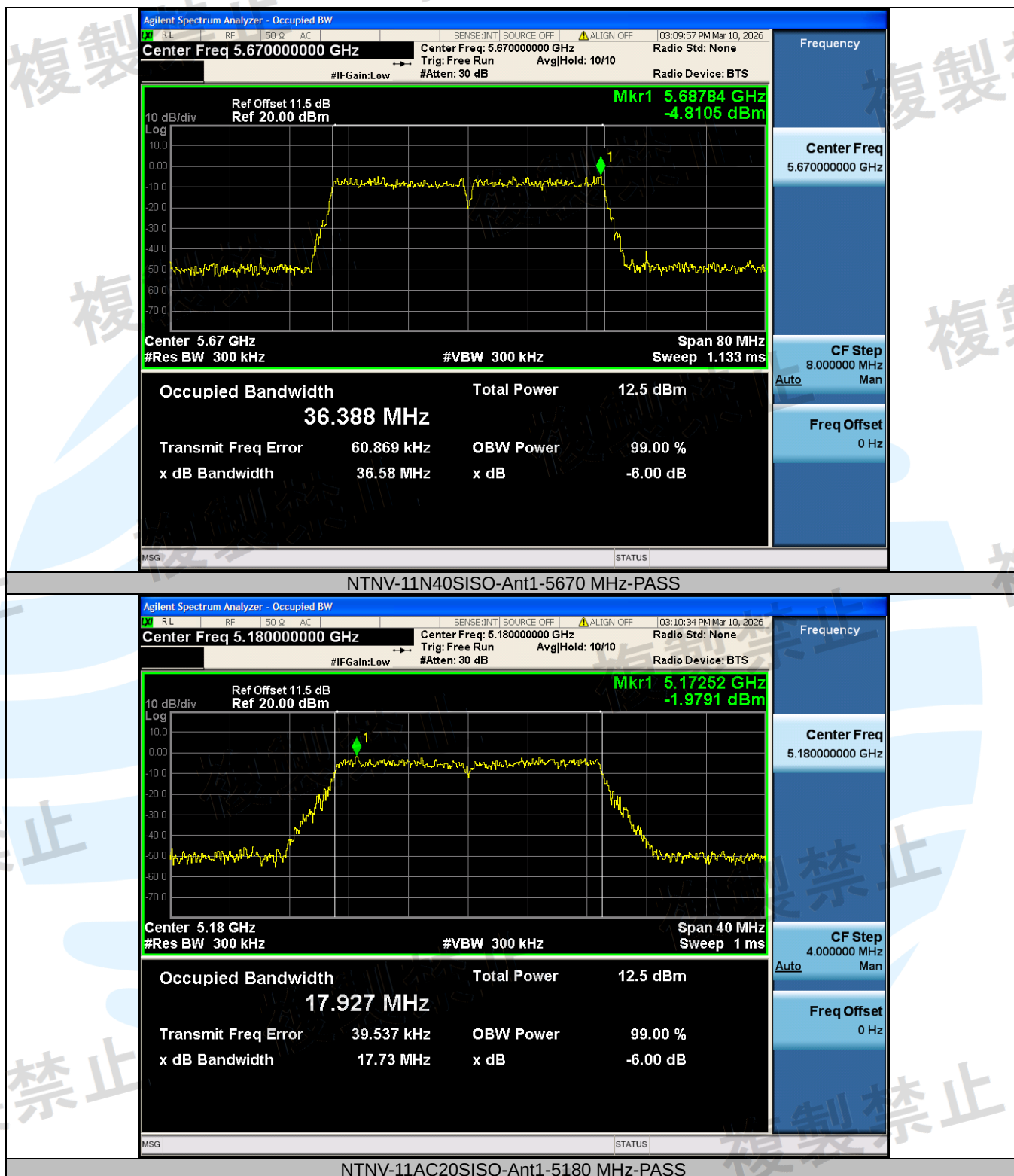


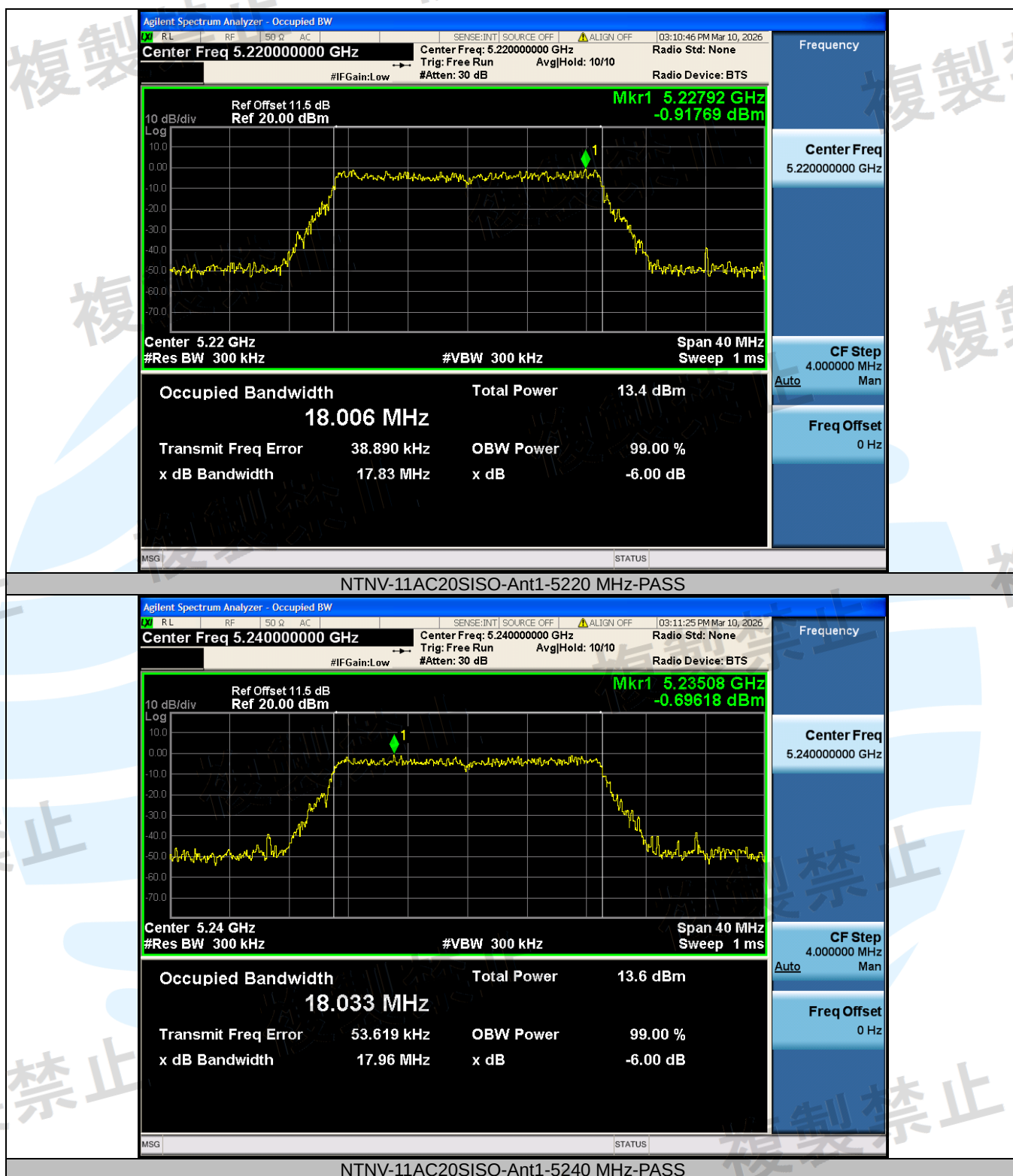


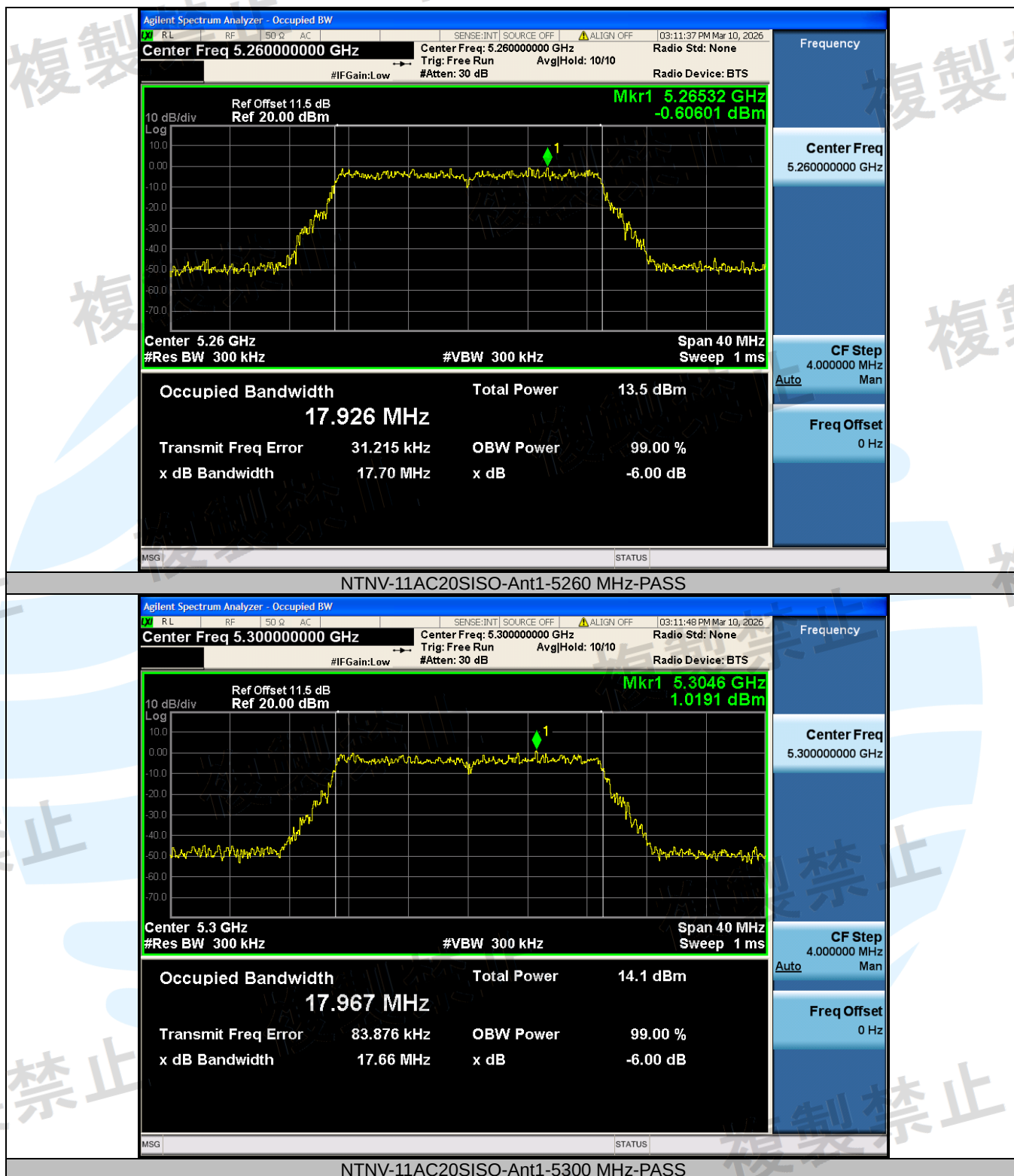


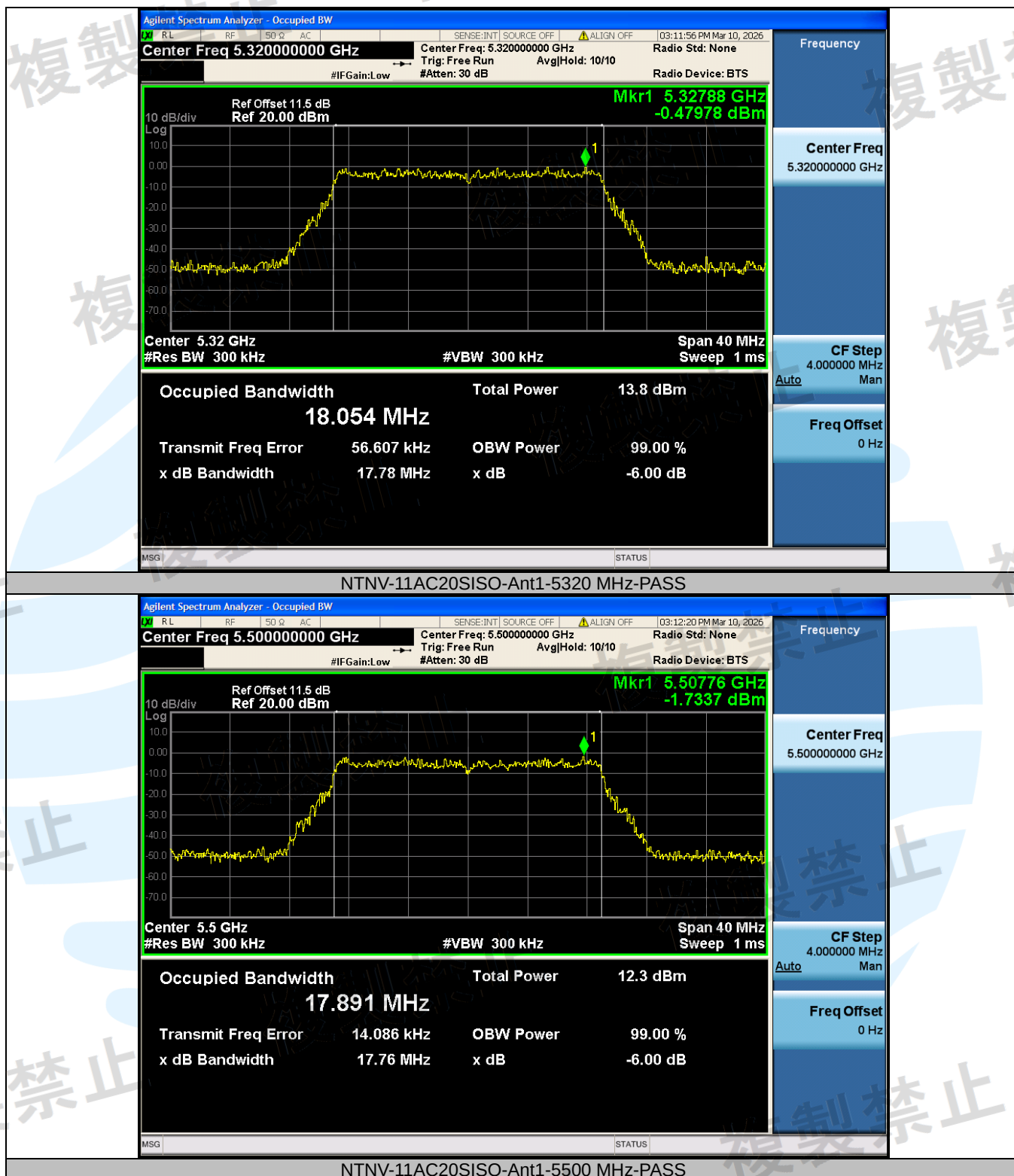












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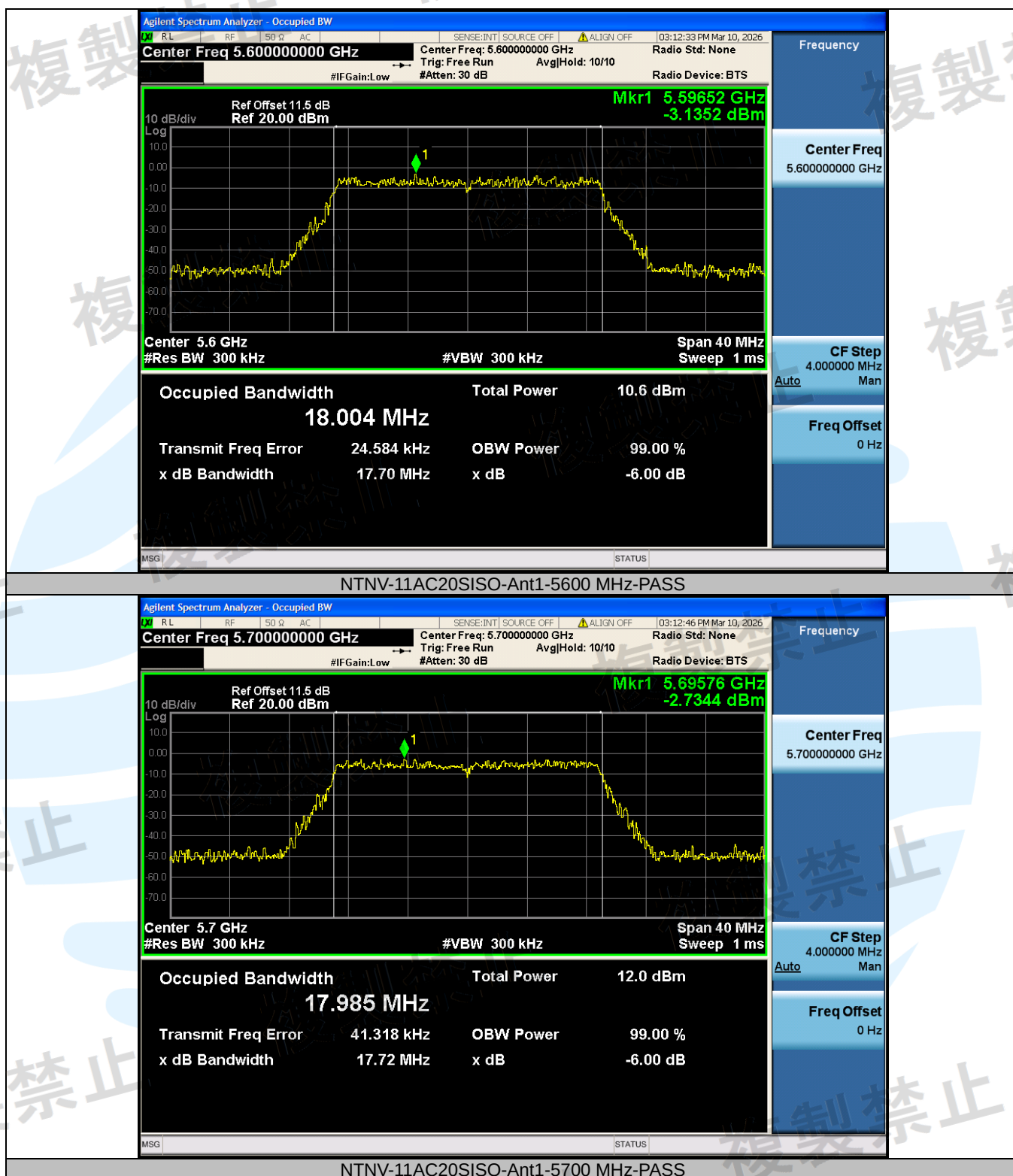
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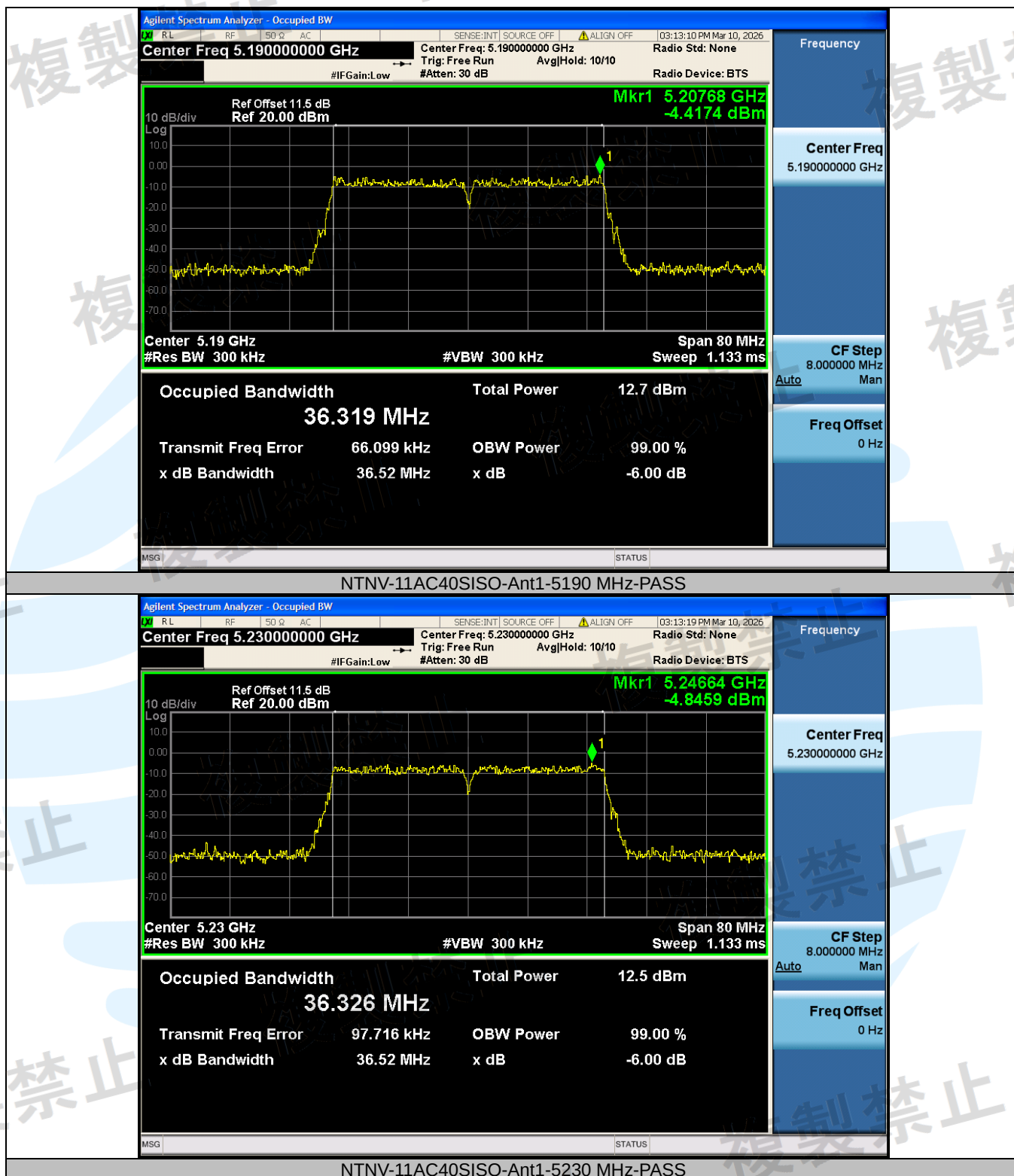
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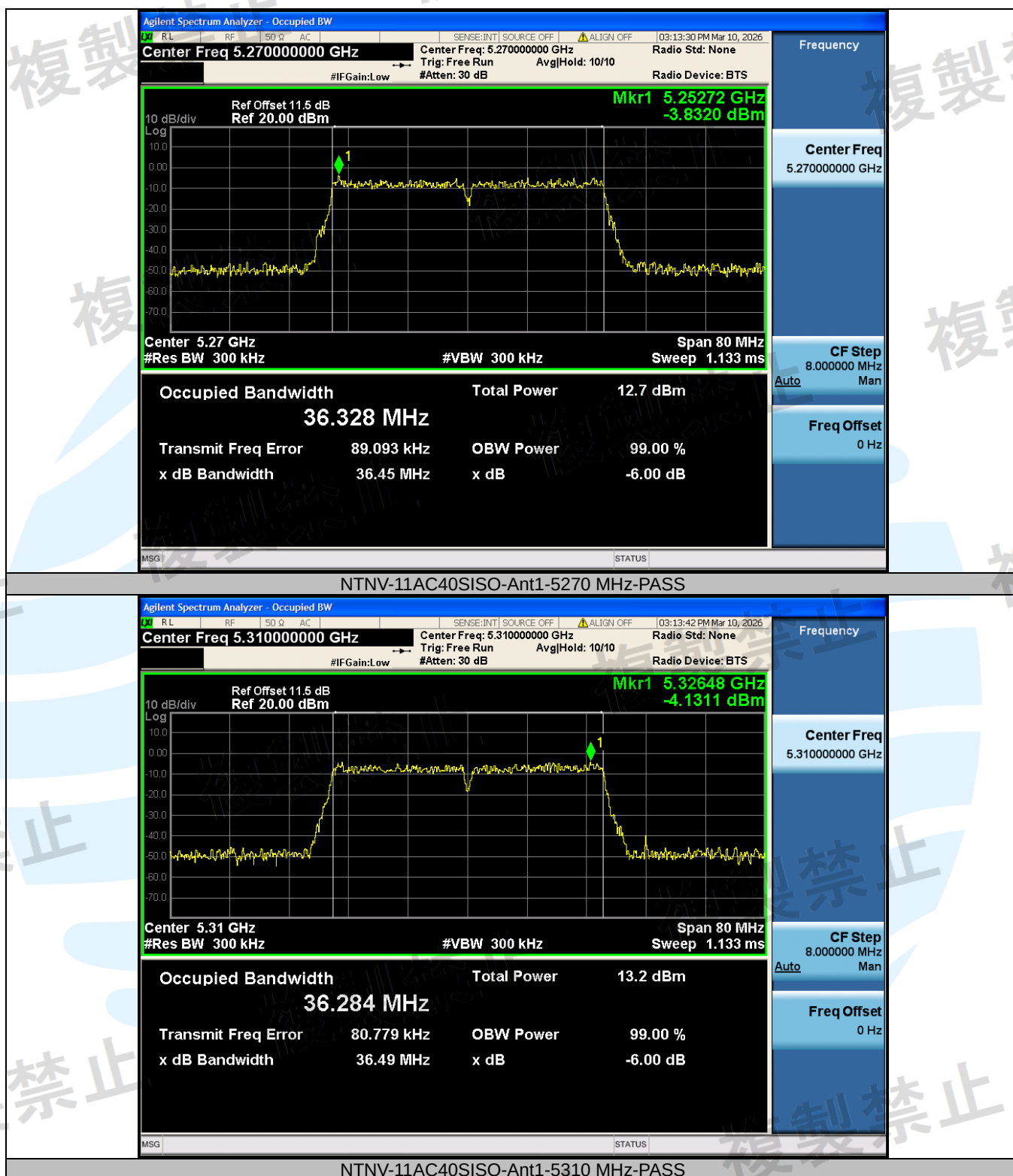
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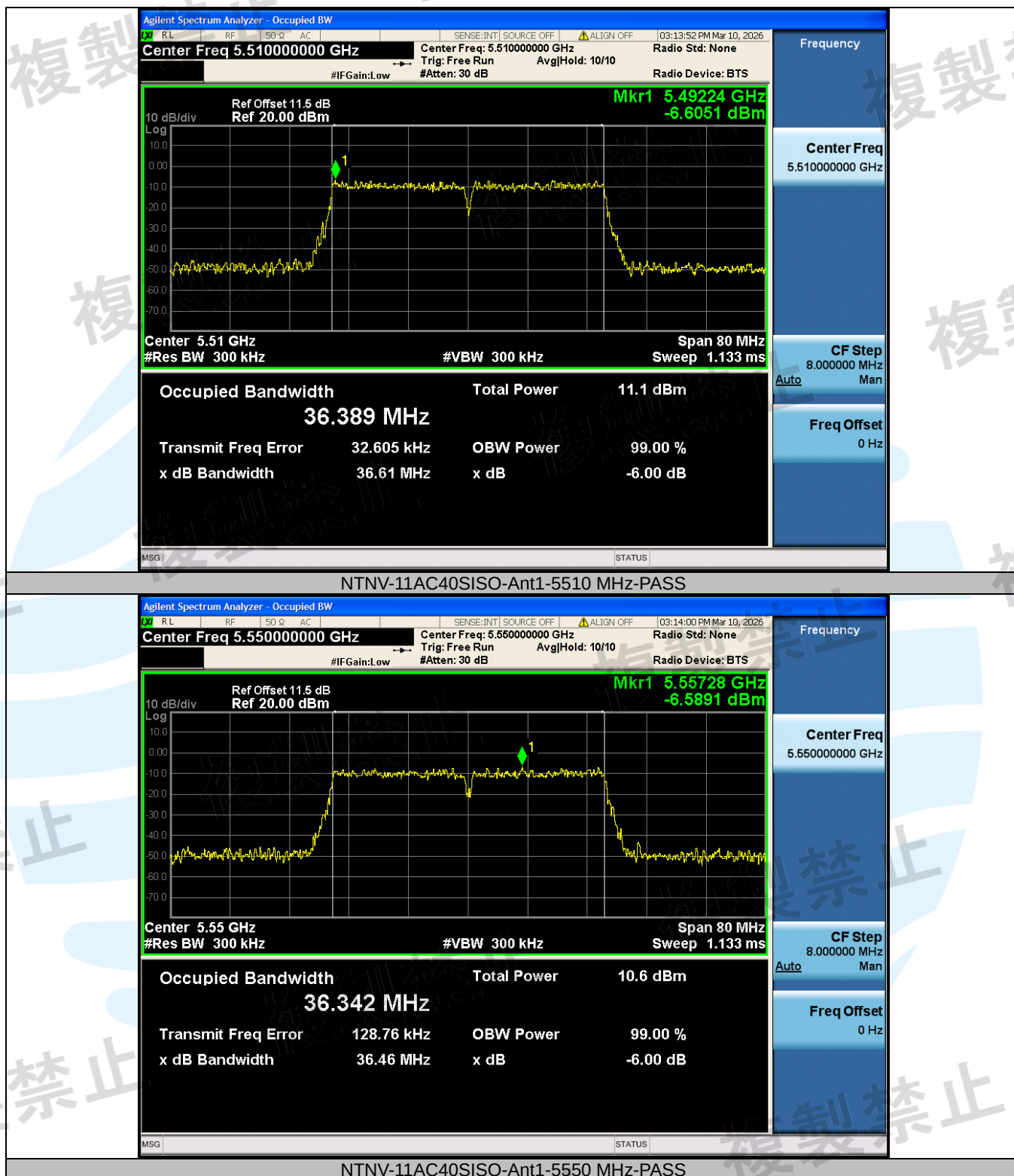
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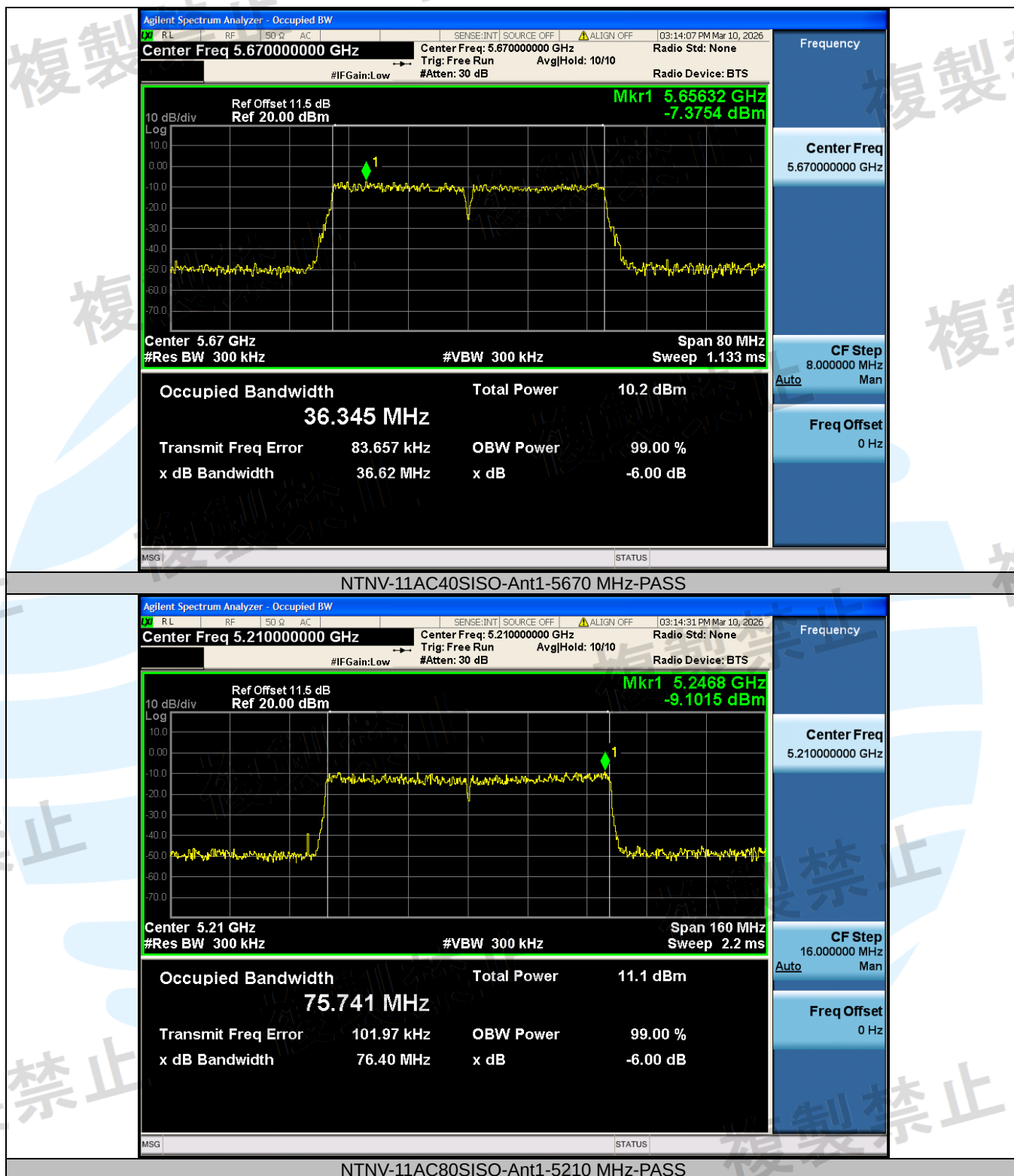
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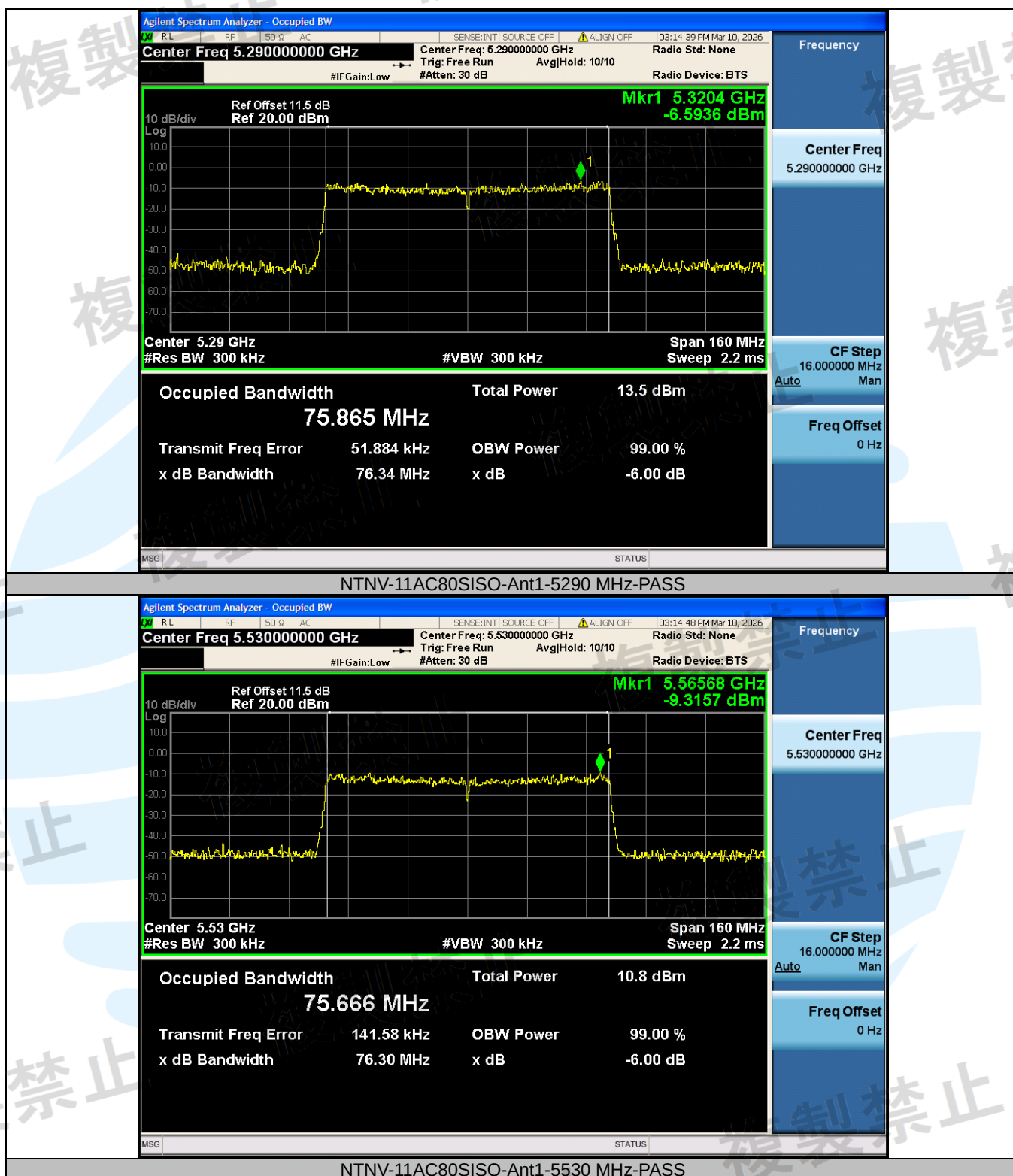
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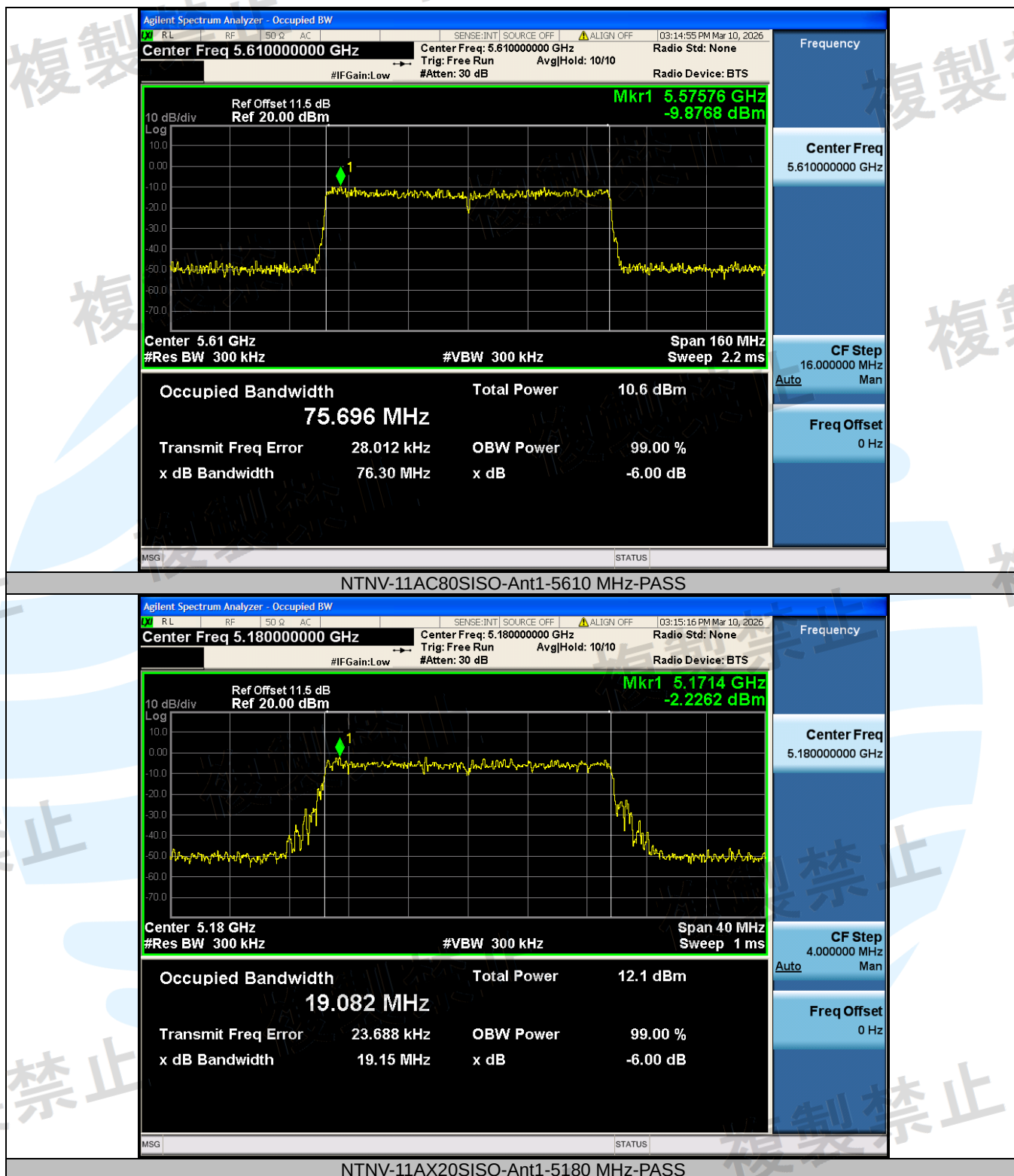
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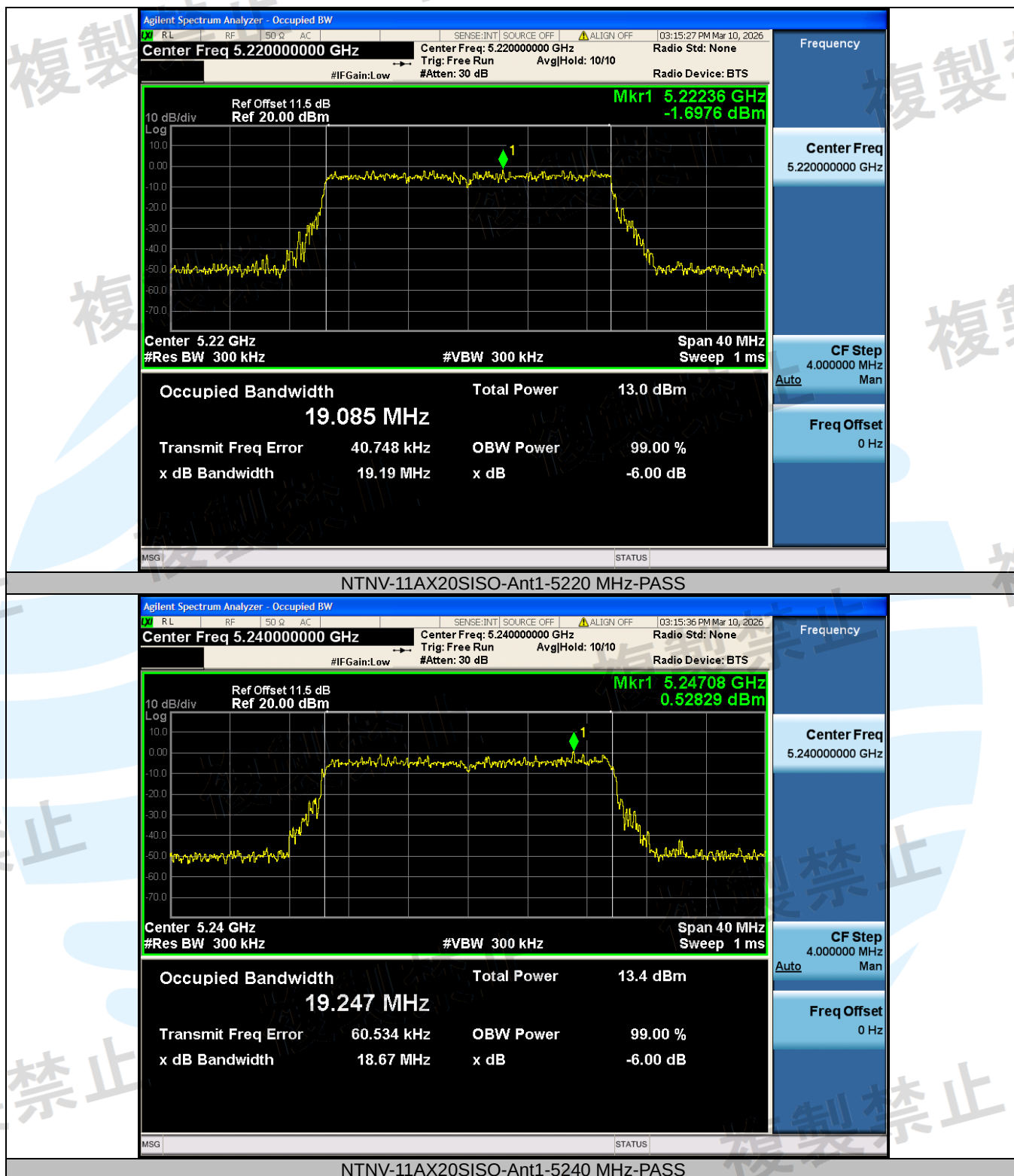
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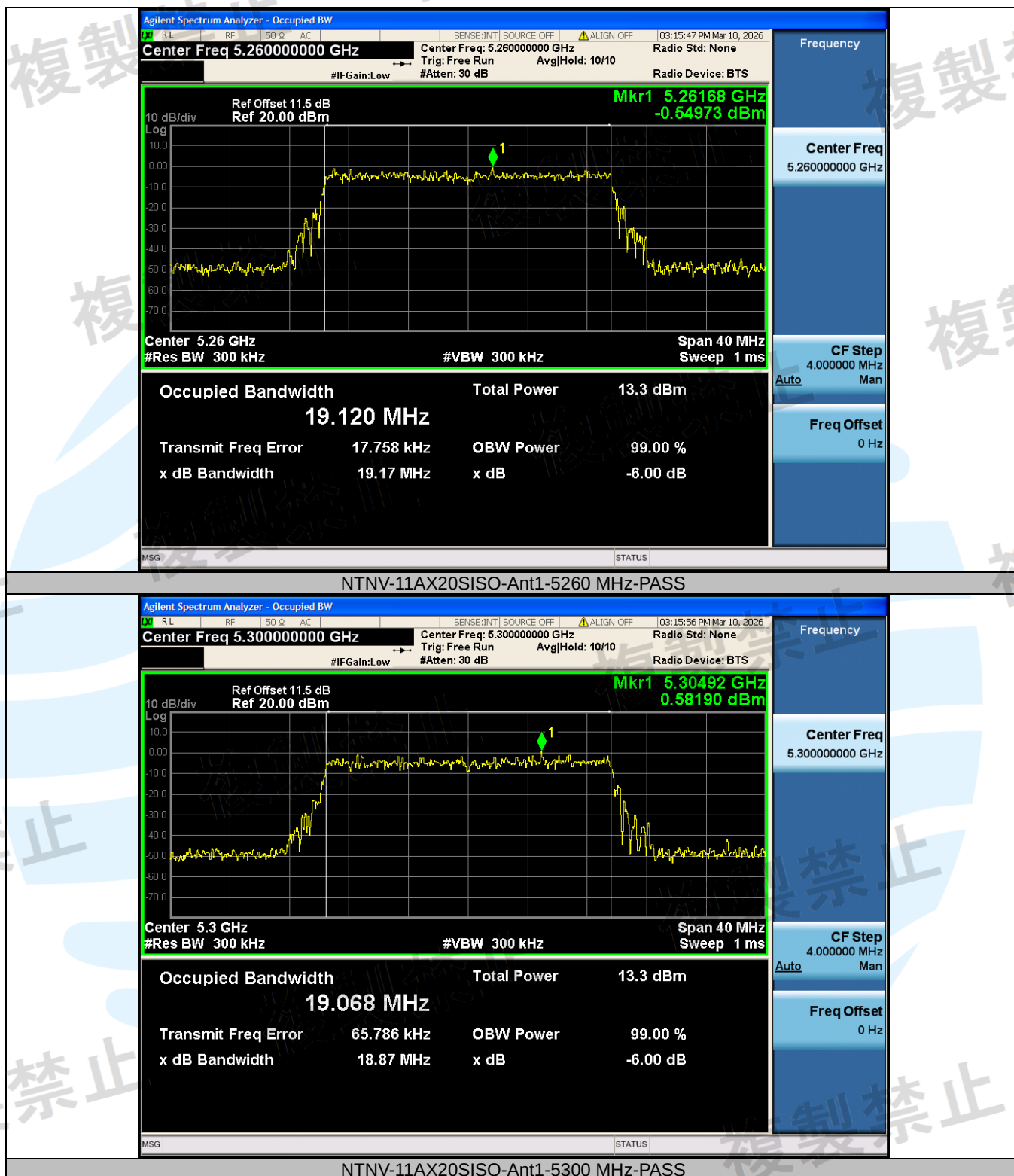
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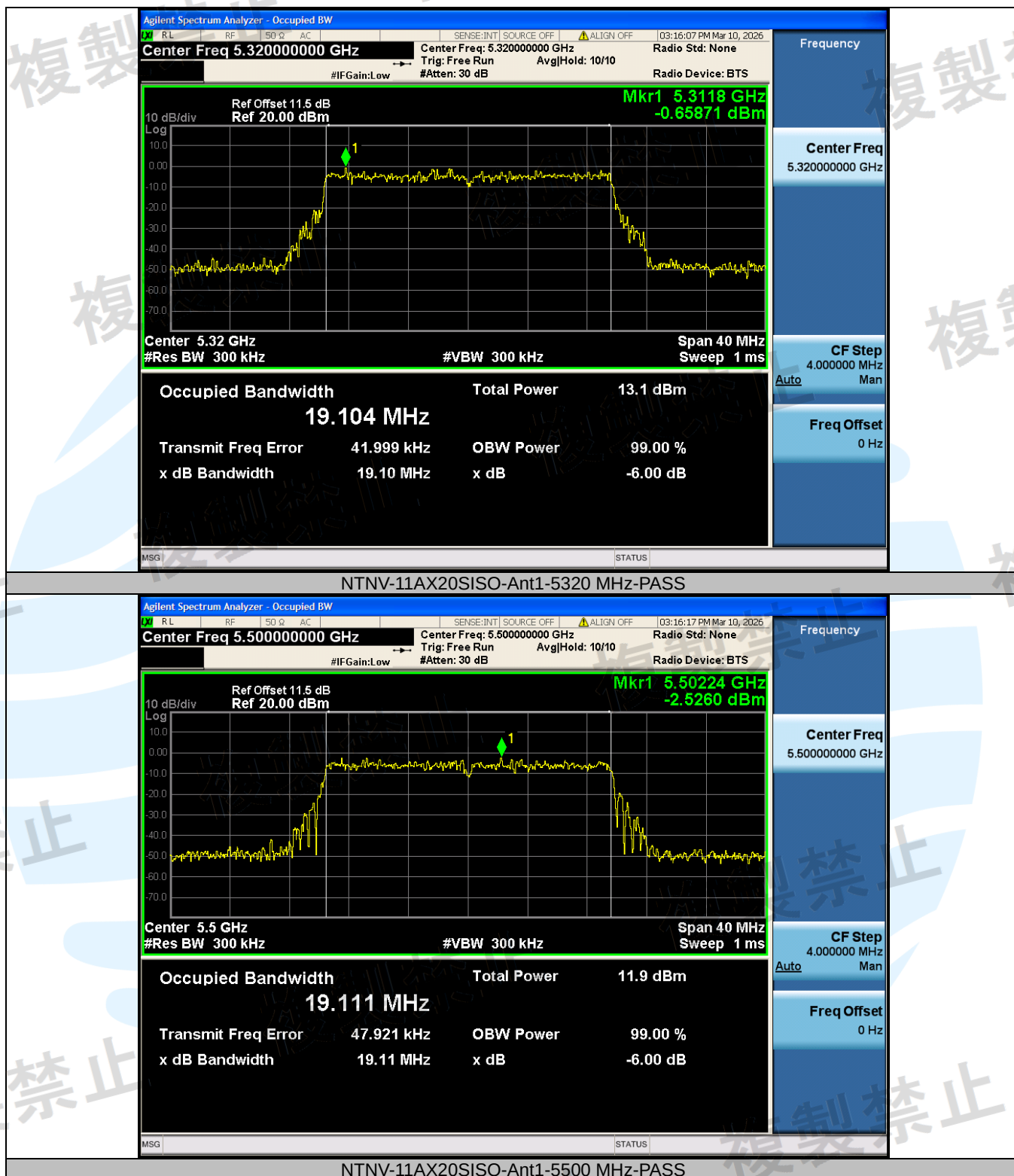
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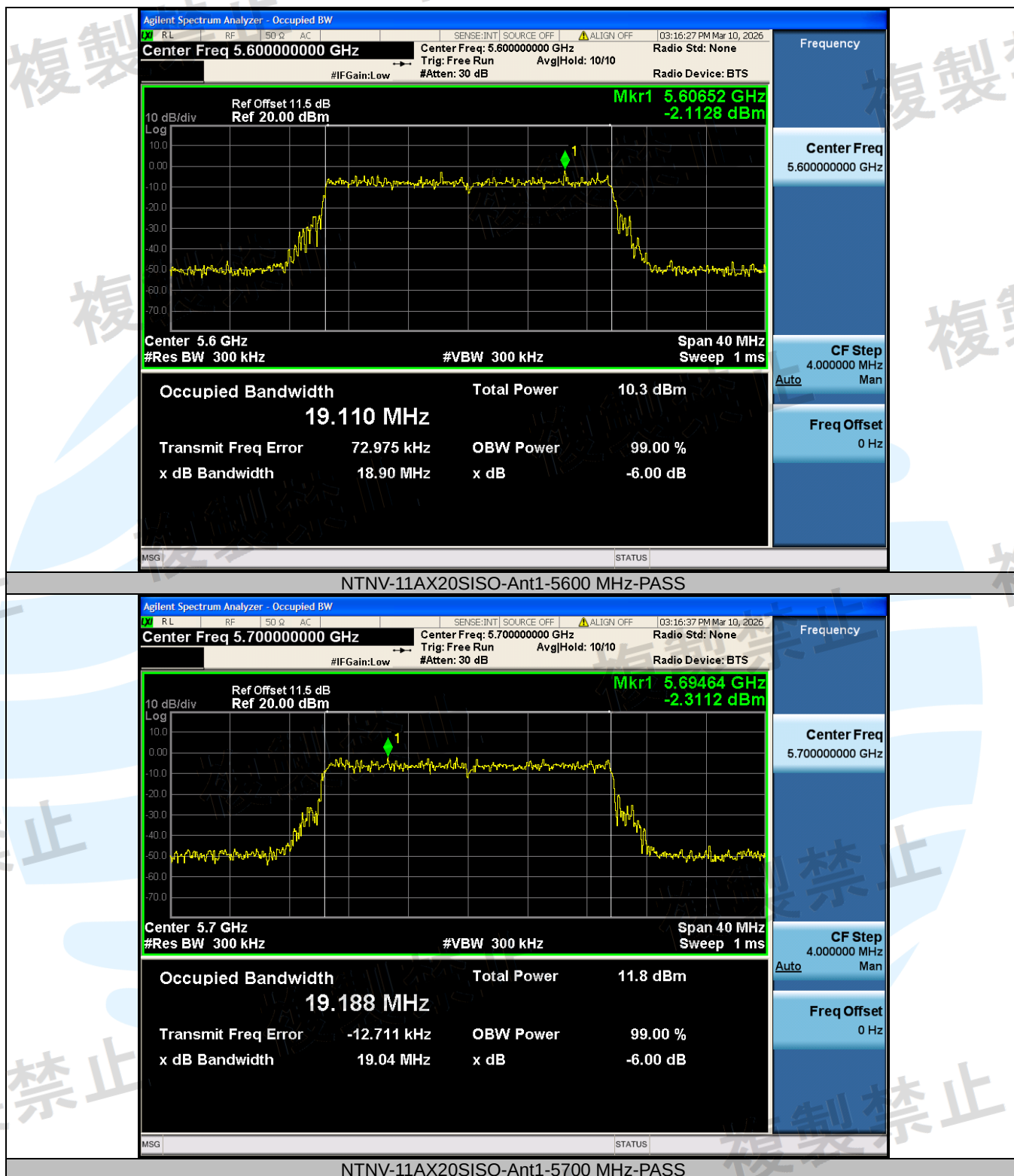
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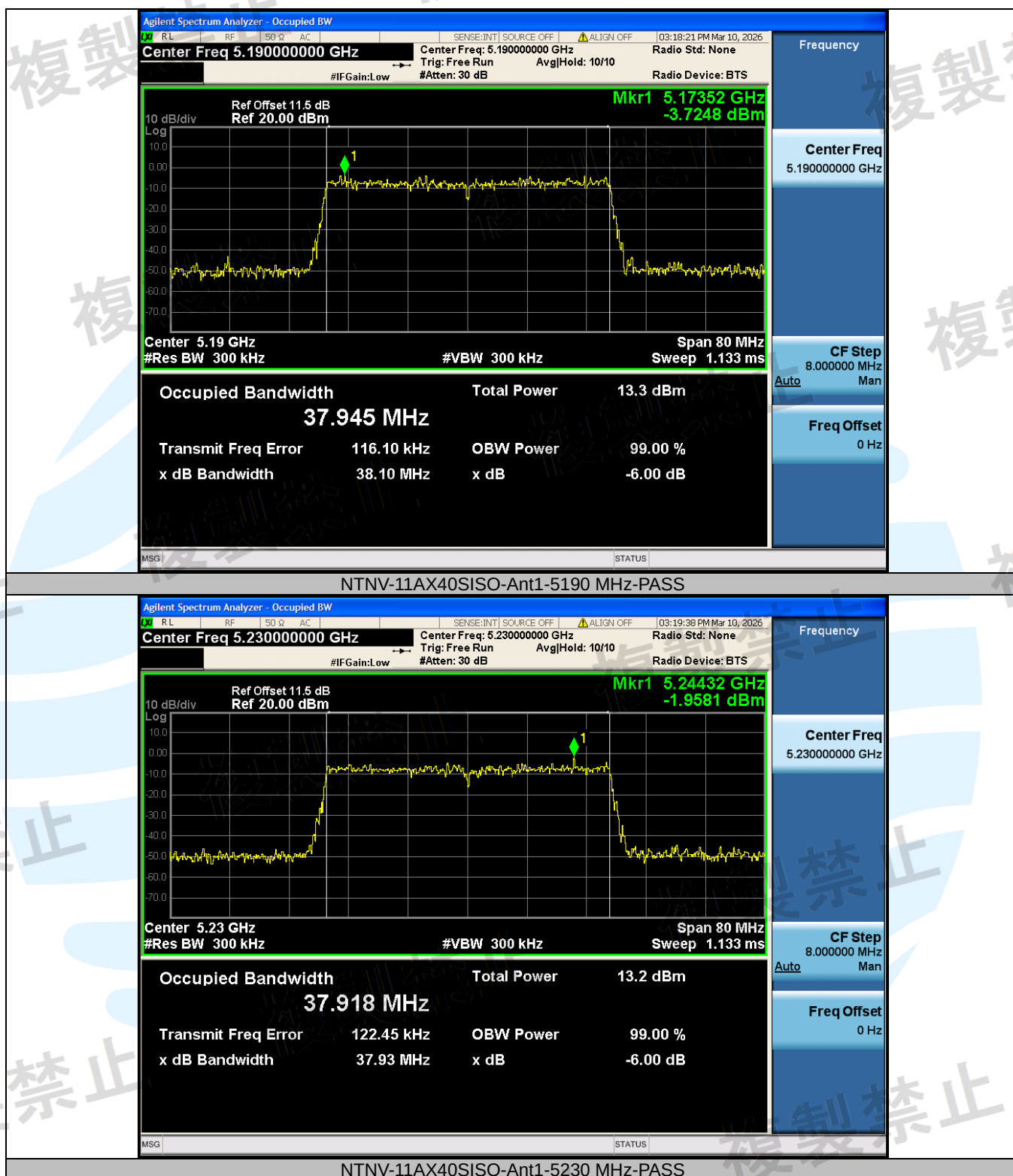
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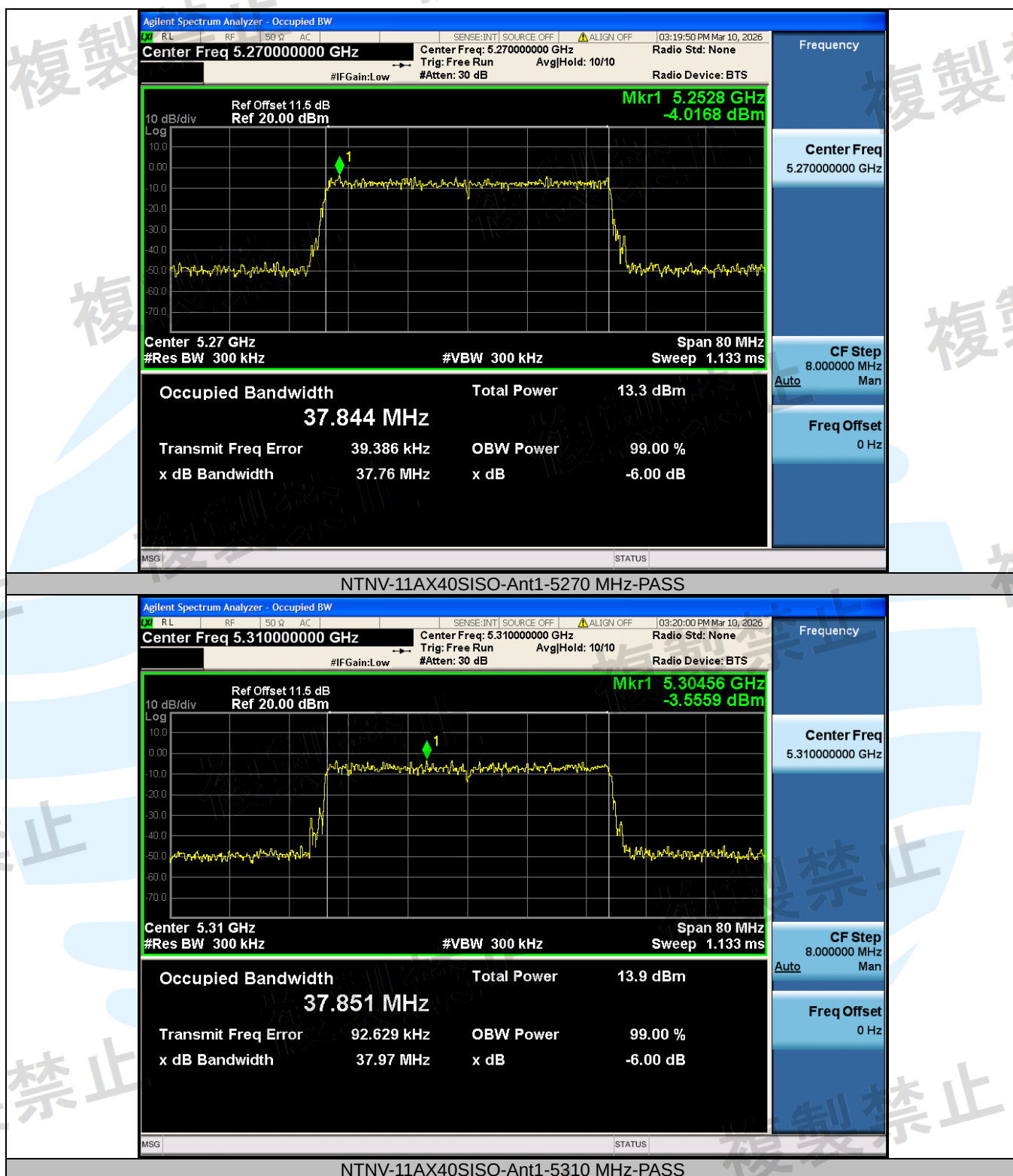
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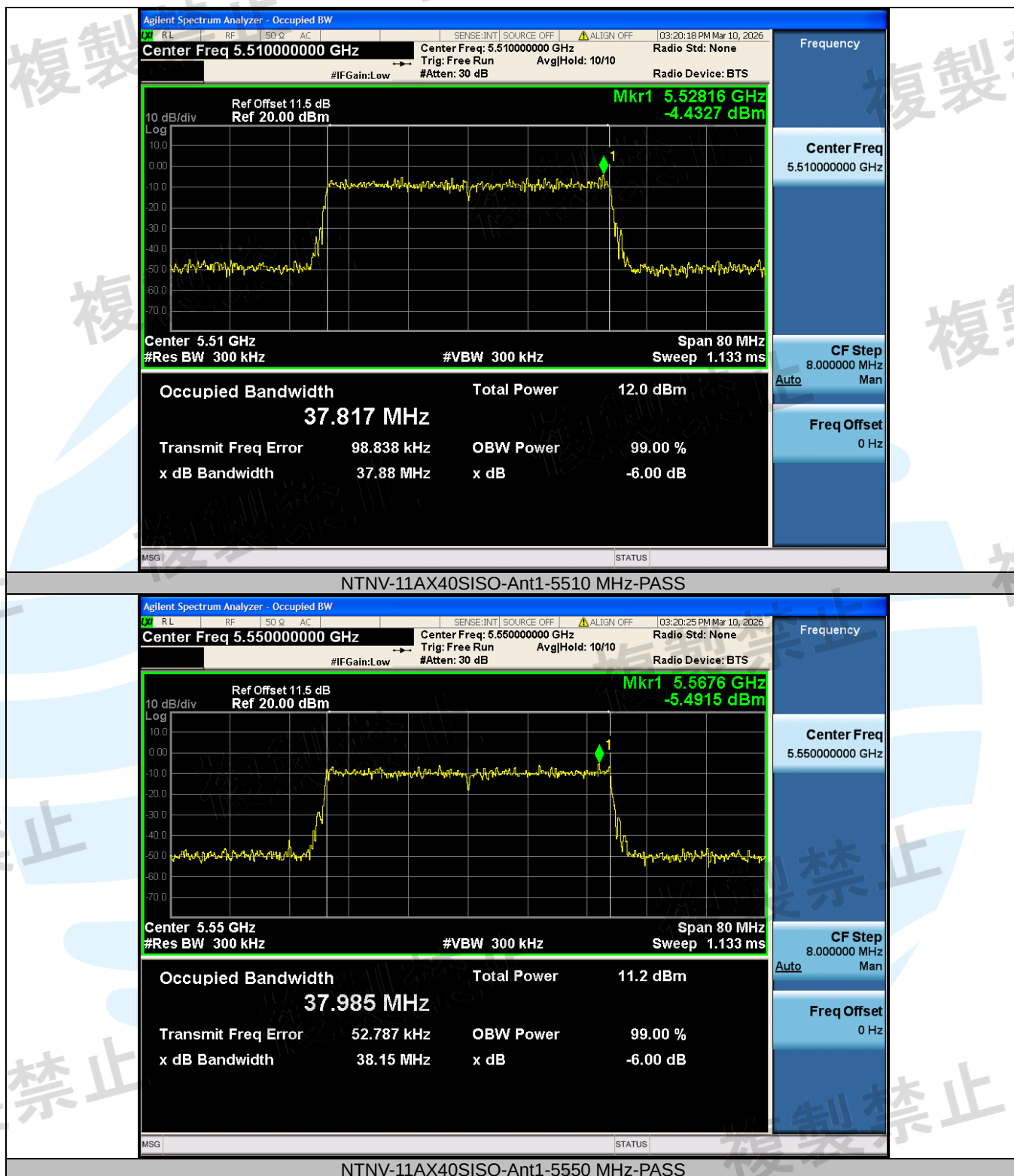












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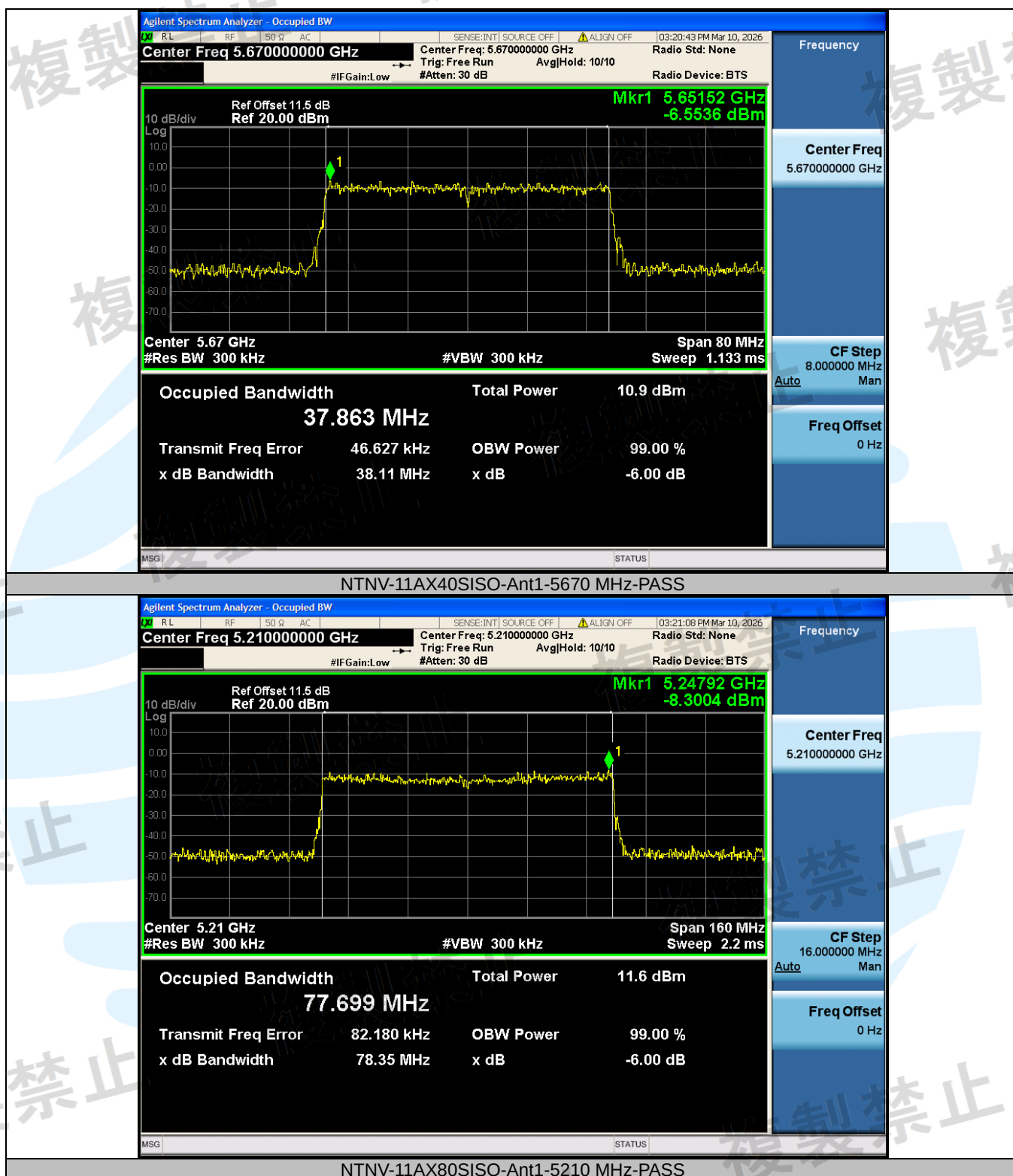
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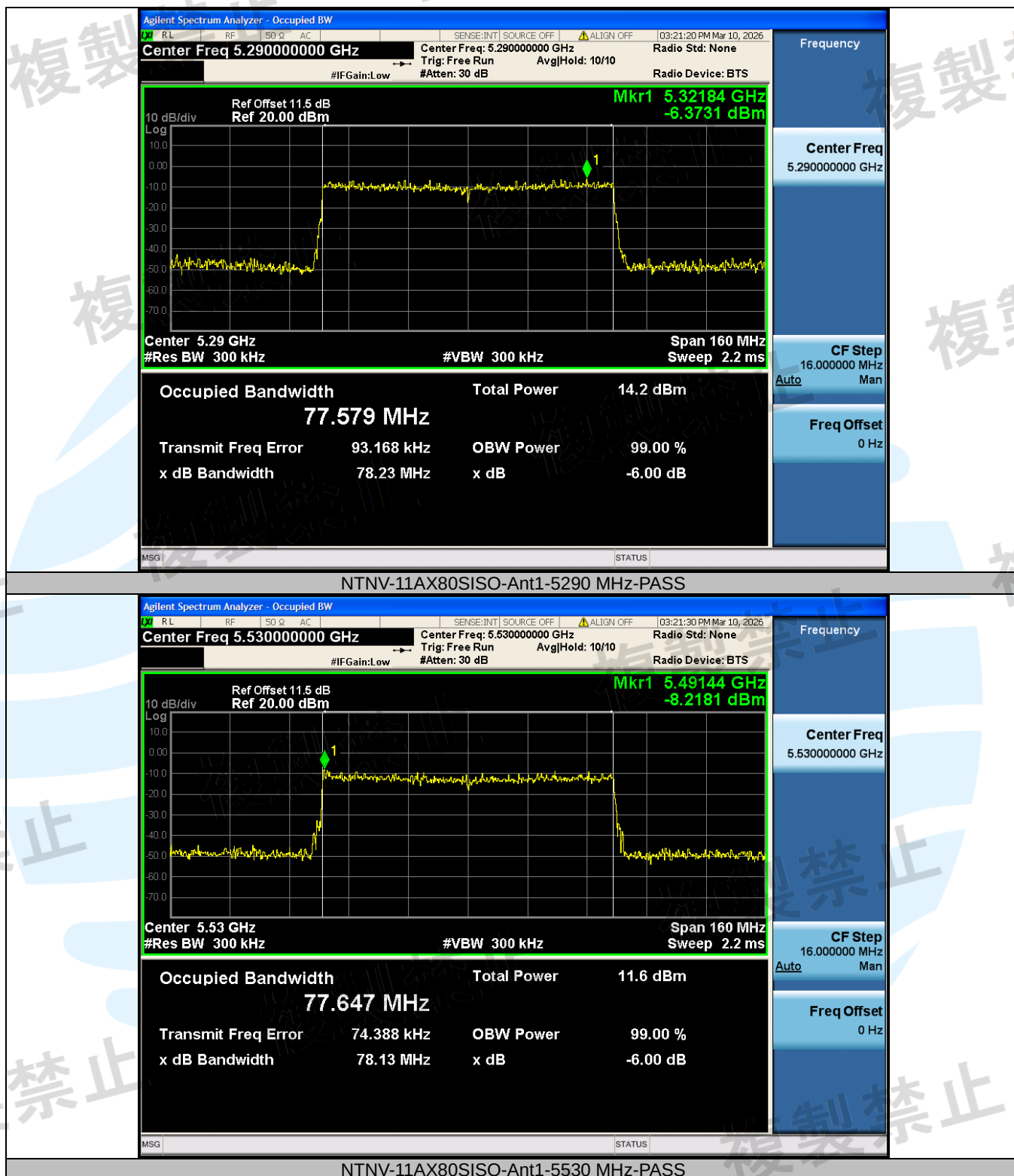
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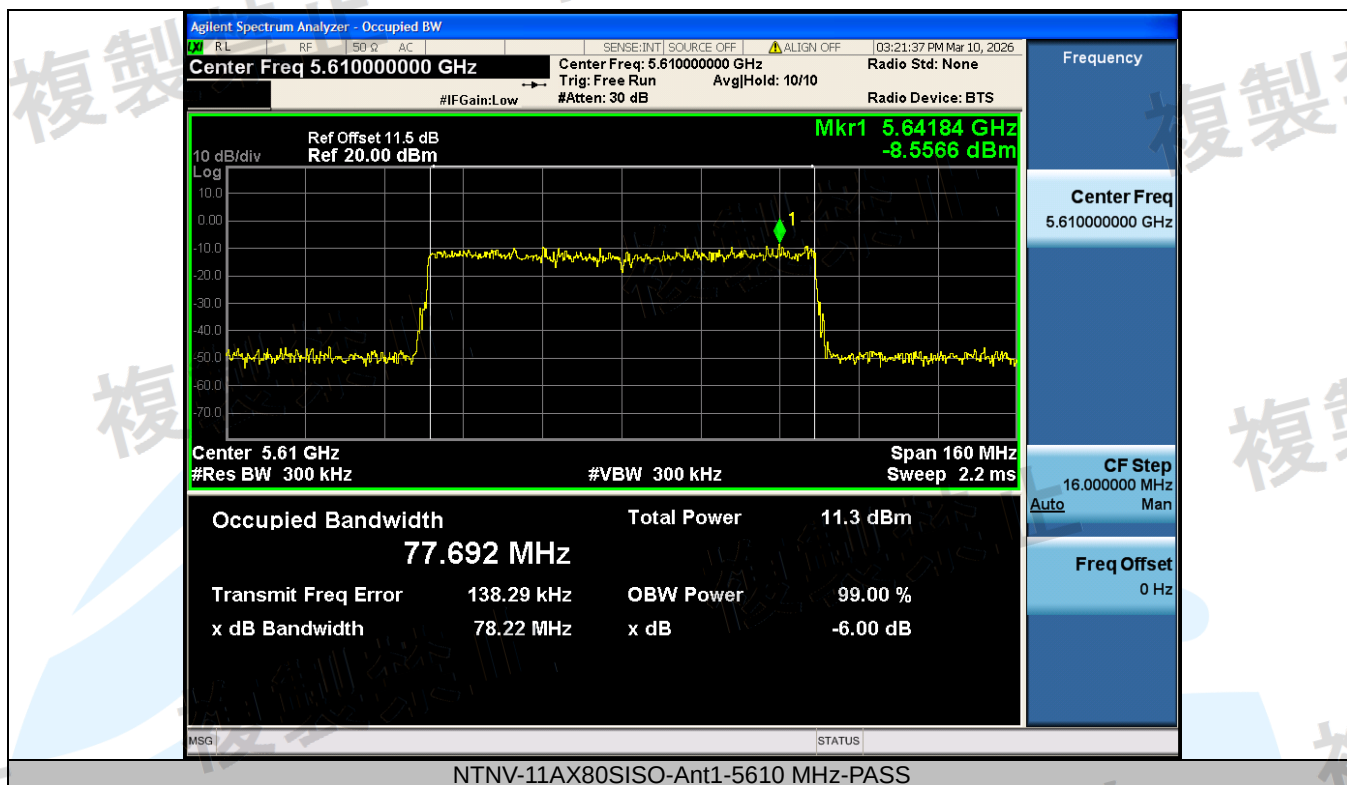
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5.5 SPURIOUS EMISSIONS

5.5.1 Limit

* Attachment 1 (Unwanted Emission Strength)

20MHz system		W52	
OBW : 18MHz or less	OBW : 18 - 20 MHz	40MHz system	80MHz system
5,142 MHz or less : 2.5 μ W/MHz	5,142 MHz or less : 2.5 μ W/MHz	5,141.6 MHz or less : 2.5 μ W/MHz	5,123.2 MHz or less : 2.5 μ W/MHz
5,142 - 5,150 MHz : 15 μ W/MHz	5,142 - 5,150 MHz : 15 μ W/MHz	5,141.6 - 5,150 MHz : 15 μ W/MHz	5,123.2 - 5,150 MHz : 15 μ W/MHz
5,250 - 5,251 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,250 - 5,250.2 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,250 - 5,251 MHz : $10^{-(f-20)+\log(1/2)}$ mW/MHz	5,250 - 5,251 MHz : $10^{-(f-40)+\log(1/4)}$ mW/MHz
5,251 - 5,260 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,251 - 5,260 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,251 - 5,270 MHz : $10^{-(f-190)/10}$ mW/MHz	5,251 - 5,290 MHz : $10^{-(f-190)/10}$ mW/MHz
5,260 - 5,266.7 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,260 - 5,266.7 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,270 - 5,278.4 MHz : $10^{-(f-190)/10}$ mW/MHz	5,290 - 5,296.7 MHz : $10^{-(f-190)/10}$ mW/MHz
5,266.7 MHz or more : 2.5 μ W/MHz	5,266.7 MHz or more : 2.5 μ W/MHz	5,278.4 MHz or more : 2.5 μ W/MHz	5,296.7 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

20MHz system		W53	
OBW : 18MHz or less	OBW : 18 - 20 MHz	40MHz system	80MHz system
5,233.3 MHz or less : 2.5 μ W/MHz	5,233.3 MHz or less : 2.5 μ W/MHz	5,221.6 MHz or less : 2.5 μ W/MHz	5,203.3 MHz or less : 2.5 μ W/MHz
5,233.3 - 5,240 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,233.3 - 5,240 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,221.6 - 5,230 MHz : $10^{-(f-190)/10}$ mW/MHz	5,203.3 - 5,210 MHz : $10^{-(f-190)/10}$ mW/MHz
5,240 - 5,249 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,240 - 5,249 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,230 - 5,249 MHz : $10^{-(f-190)/10}$ mW/MHz	5,210 - 5,249 MHz : $10^{-(f-190)/10}$ mW/MHz
5,249 - 5,250 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,249 - 5,249.8 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,249 - 5,250 MHz : $10^{-(f-20)+\log(1/2)}$ mW/MHz	5,249 - 5,250 MHz : $10^{-(f-40)+\log(1/4)}$ mW/MHz
5,350 MHz or more : 2.5 μ W/MHz	5,249.8 - 5,250 MHz : $10^{1-(f-9)/10}$ mW/MHz	5,350 - 5,356.4 MHz : 15 μ W/MHz	5,350 - 5,376.8 MHz : 15 μ W/MHz
f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5270 (MHz)	f = MHz, Difference from 5290 (MHz)

20MHz system		W56	
DSSS, etc.	OFDM	40MHz system	80MHz system
5,470 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 2.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz
5,470 - 5,470 MHz : 12.5 μ W/MHz	5,460 - 5,470 MHz : 12.5 μ W/MHz	5,460 - 5,470 MHz : 50 μ W/MHz	5,460 - 5,470 MHz : 50 μ W/MHz
5,730 MHz or more : 12.5 μ W/MHz	5,745 - 5,765 MHz : 12.5 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz	5,469.5 - 5,470 MHz : 51.2 μ W/MHz
	Over 5,765 MHz : 2.5 μ W/MHz		5,770 MHz or more : 12.5 μ W/MHz

W52 + W53	W56
160MHz system	
5,099.6 MHz or less : 2.5 μ W/MHz	5,419.6 MHz or less : 12.5 μ W/MHz
5,099.6 - 5,150 MHz : 15 μ W/MHz	5,419.6 - 5,470 MHz : 50 μ W/MHz
5,350 - 5,400.4 MHz : 15 μ W/MHz	5,725 MHz or more : 12.5 μ W/MHz
5,400.4 MHz or more : 2.5 μ W/MHz	

* A rated value is defined by the E.I.R.P. .

* Measurement range: 30MHz to 26GHz

5.21GHz & (5.53GHz, 5.61GHz or 5.69GHz)	5.29GHz & (5.53GHz, 5.61GHz or 5.69GHz)	5.53GHz & 5.69GHz
80MHz + 80MHz system (Not adjacent radio)		
5,134.8 MHz or less : 2.5 μ W/MHz	5,214.8 MHz or less : 2.5 μ W/MHz	5,419.6 MHz or less : 12.5 μ W/MHz
5,134.8 - 5,150 MHz : 162.5 μ W/MHz	5,214.8 - 5,249 MHz : $10^{-(f-190)/10}$ mW/MHz	5,419.6 - 5,470 MHz : 50 μ W/MHz
5,250 - 5,251 MHz : $10^{-(f-40)+\log(1/8)}$ mW/MHz	5,249 - 5,250 MHz : $10^{-(f-40)+\log(1/8)}$ mW/MHz	
5,251 - 5,285.2 MHz : $10^{-(f-190)/10}$ mW/MHz	5,350 - 5,365.2 MHz : 15 μ W/MHz	5,770 MHz or more : 15 μ W/MHz
5,285.2 - 5,370 MHz : 2.5 μ W/MHz	5,365.2 - 5,410 MHz : 2.5 μ W/MHz	
5,370 - 5,454.8 MHz : 2.5 μ W/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 12.5 μ W/MHz)	5,410 - 5,454.8 MHz : 2.5 μ W/MHz	
5,454.8 - 5,470 MHz : 15 μ W/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 50 μ W/MHz)	5,454.8 - 5,470 MHz : 15 μ W/MHz	
5,730 MHz or more : 15 μ W/MHz (*When used 5690MHz)	5,730 MHz or more : 15 μ W/MHz (*When used 5690MHz)	
5,770 MHz or more : 15 μ W/MHz	5,770 MHz or more : 15 μ W/MHz	
f = MHz, Difference from 5210 (MHz)	f = MHz, Difference from 5290 (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 Mode	Ant.	Freq (MHz)	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Gain [dBi]	EIRP [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11A	Ant1	5180	30~5142	5139.96	-51.73	5.77	-45.96	0.02535	≤2.5	PASS
11A	Ant1	5180	5266.7~26000	8288.23	-37.22	5.77	-31.45	0.71614	≤2.5	See table below
11A	Ant1	5220	30~5142	3114.07	-52.59	5.77	-46.82	0.02080	≤2.5	PASS
11A	Ant1	5220	5266.7~26000	8351.82	-38.16	5.77	-32.39	0.57677	≤2.5	See table below
11A	Ant1	5240	30~5142	4753.49	-53.03	5.77	-47.26	0.01879	≤2.5	PASS
11A	Ant1	5240	5266.7~26000	8384.3	-39.68	5.77	-33.91	0.40644	≤2.5	See table below
11A	Ant1	5260	30~5233.3	5232.78	-51.02	5.81	-45.21	0.03013	≤2.5	PASS
11A	Ant1	5260	5350~26000	8415.84	-39.58	5.81	-33.77	0.41976	≤2.5	See table below
11A	Ant1	5300	30~5233.3	4812.35	-51.10	5.81	-45.29	0.02958	≤2.5	PASS
11A	Ant1	5300	5350~26000	8479.85	-40.42	5.81	-34.61	0.34594	≤2.5	See table below
11A	Ant1	5320	30~5233.3	4832.65	-50.62	5.81	-44.81	0.03304	≤2.5	PASS
11A	Ant1	5320	5350~26000	8512.2	-40.80	5.81	-34.99	0.31696	≤2.5	See table below
11A	Ant1	5500	30~5460	4400.06	-51.74	4.7	-47.04	0.01977	≤2.5	PASS
11A	Ant1	5500	5765~26000	25047.61	-42.76	4.7	-38.06	0.15631	≤2.5	PASS
11A	Ant1	5600	30~5460	4479.89	-51.21	4.7	-46.51	0.02234	≤2.5	PASS
11A	Ant1	5600	5765~26000	25177.11	-42.67	4.7	-37.97	0.15959	≤2.5	PASS
11A	Ant1	5700	30~5460	4560.25	-51.65	4.7	-46.95	0.02018	≤2.5	PASS
11A	Ant1	5700	5765~26000	25214.88	-42.92	4.7	-38.22	0.15066	≤2.5	PASS
11N20SISO	Ant1	5180	30~5142	5142.00	-52.12	5.77	-46.35	0.02317	≤2.5	PASS
11N20SISO	Ant1	5180	5266.7~26000	8288.23	-37.55	5.77	-31.78	0.66374	≤2.5	See table below
11N20SISO	Ant1	5220	30~5142	2738.34	-52.63	5.77	-46.86	0.02061	≤2.5	PASS
11N20SISO	Ant1	5220	5266.7~26000	8351.82	-37.91	5.77	-32.14	0.61094	≤2.5	See table below
11N20SISO	Ant1	5240	30~5142	3123.27	-52.93	5.77	-47.16	0.01923	≤2.5	PASS
11N20SISO	Ant1	5240	5266.7~26000	8384.3	-39.44	5.77	-33.67	0.42954	≤2.5	See table below
11N20SISO	Ant1	5260	30~5233.3	5230.18	-48.95	5.81	-43.14	0.04853	≤2.5	PASS
11N20SISO	Ant1	5260	5350~26000	8415.84	-39.27	5.81	-33.46	0.45082	≤2.5	See table below
11N20SISO	Ant1	5300	30~5233.3	4813.39	-50.95	5.81	-45.14	0.03062	≤2.5	PASS
11N20SISO	Ant1	5300	5350~26000	8479.85	-40.12	5.81	-34.31	0.37068	≤2.5	See table below
11N20SISO	Ant1	5320	30~5233.3	4831.61	-50.29	5.81	-44.48	0.03565	≤2.5	PASS
11N20SISO	Ant1	5320	5350~26000	8512.2	-40.80	5.81	-34.99	0.31696	≤2.5	See table below
11N20SISO	Ant1	5500	30~5460	4400.06	-50.80	4.7	-46.10	0.02455	≤2.5	PASS
11N20SISO	Ant1	5500	5765~26000	24388.62	-42.55	4.7	-37.85	0.16406	≤2.5	PASS
11N20SISO	Ant1	5600	30~5460	4479.89	-51.39	4.7	-46.69	0.02143	≤2.5	PASS
11N20SISO	Ant1	5600	5765~26000	25968.30	-42.52	4.7	-37.82	0.16520	≤2.5	PASS

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UTTR-RF-STD71-V1.1

Test Mode	Ant.	Freq. (MHz)	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Gain [dBi]	EIRP [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11N20SISO	Ant1	5700	30~5460	4560.25	-51.31	4.7	-46.61	0.02183	≤2.5	PASS
11N20SISO	Ant1	5700	5765~26000	25571.02	-42.10	4.7	-37.40	0.18197	≤2.5	PASS
11N40SISO	Ant1	5190	30~5141.6	4800.15	-52.07	5.77	-46.30	0.02344	≤2.5	PASS
11N40SISO	Ant1	5190	5278.4~26000	8303.75	-37.09	5.77	-31.32	0.73790	≤2.5	See table below
11N40SISO	Ant1	5230	30~5141.6	4800.15	-51.95	5.77	-46.18	0.02410	≤2.5	PASS
11N40SISO	Ant1	5230	5278.4~26000	8367.99	-37.76	5.77	-31.99	0.63241	≤2.5	See table below
11N40SISO	Ant1	5270	30~5221.6	4800.04	-51.81	5.81	-46.00	0.02512	≤2.5	PASS
11N40SISO	Ant1	5270	5348.4~26000	8431.68	-39.41	5.81	-33.60	0.43652	≤2.5	See table below
11N40SISO	Ant1	5310	30~5221.6	4800.04	-52.64	5.81	-46.83	0.02075	≤2.5	PASS
11N40SISO	Ant1	5310	5348.4~26000	8495.7	-40.63	5.81	-34.82	0.32961	≤2.5	See table below
11N40SISO	Ant1	5510	30~5460	5458.37	-51.61	4.7	-46.91	0.02037	≤12.5	PASS
11N40SISO	Ant1	5510	5770~26000	25926.50	-42.91	4.7	-38.21	0.15101	≤12.5	PASS
11N40SISO	Ant1	5550	30~5460	4439.70	-51.41	4.7	-46.71	0.02133	≤12.5	PASS
11N40SISO	Ant1	5550	5770~26000	24406.55	-43.06	4.7	-38.36	0.14588	≤12.5	PASS
11N40SISO	Ant1	5670	30~5460	4535.81	-51.48	4.7	-46.78	0.02099	≤12.5	PASS
11N40SISO	Ant1	5670	5770~26000	25959.54	-41.41	4.7	-36.71	0.21330	≤12.5	PASS
11AC20SISO	Ant1	5180	30~5142	3234.71	-52.98	5.77	-47.21	0.01901	≤2.5	PASS
11AC20SISO	Ant1	5180	5266.7~26000	8288.23	-37.32	5.77	-31.55	0.69984	≤2.5	See table below
11AC20SISO	Ant1	5220	30~5142	3132.47	-53.09	5.77	-47.32	0.01854	≤2.5	PASS
11AC20SISO	Ant1	5220	5266.7~26000	8351.82	-37.73	5.77	-31.96	0.63680	≤2.5	See table below
11AC20SISO	Ant1	5240	30~5142	3246.47	-52.68	5.77	-46.91	0.02037	≤2.5	PASS
11AC20SISO	Ant1	5240	5266.7~26000	8384.3	-38.91	5.77	-33.14	0.48529	≤2.5	See table below
11AC20SISO	Ant1	5260	30~5233.3	5229.14	-50.70	5.81	-44.89	0.03243	≤2.5	PASS
11AC20SISO	Ant1	5260	5350~26000	8415.84	-39.17	5.81	-33.36	0.46132	≤2.5	See table below
11AC20SISO	Ant1	5300	30~5233.3	4811.83	-51.07	5.81	-45.26	0.02979	≤2.5	PASS
11AC20SISO	Ant1	5300	5350~26000	8479.85	-40.30	5.81	-34.49	0.35563	≤2.5	See table below
11AC20SISO	Ant1	5320	30~5233.3	4831.61	-51.28	5.81	-45.47	0.02838	≤2.5	PASS
11AC20SISO	Ant1	5320	5350~26000	8512.2	-40.92	5.81	-35.11	0.30832	≤2.5	See table below
11AC20SISO	Ant1	5500	30~5460	4400.06	-51.28	4.7	-46.58	0.02198	≤2.5	PASS
11AC20SISO	Ant1	5500	5765~26000	25602.05	-42.38	4.7	-37.68	0.17061	≤2.5	PASS
11AC20SISO	Ant1	5600	30~5460	4479.89	-51.33	4.7	-46.63	0.02173	≤2.5	PASS
11AC20SISO	Ant1	5600	5765~26000	25991.91	-42.66	4.7	-37.96	0.15996	≤2.5	PASS
11AC20SISO	Ant1	5700	30~5460	4560.25	-51.57	4.7	-46.87	0.02056	≤2.5	PASS
11AC20SISO	Ant1	5700	5765~26000	25788.88	-42.77	4.7	-38.07	0.15596	≤2.5	PASS
11AC40SISO	Ant1	5190	30~5141.6	4800.15	-52.76	5.77	-46.99	0.02000	≤2.5	PASS
11AC40SISO	Ant1	5190	5278.4~26000	8303.75	-37.51	5.77	-31.74	0.66988	≤2.5	See table below
11AC40SISO	Ant1	5230	30~5141.6	4800.15	-51.88	5.77	-46.11	0.02449	≤2.5	PASS
11AC40SISO	Ant1	5230	5278.4~26000	8367.99	-37.85	5.77	-32.08	0.61944	≤2.5	See table below
11AC40SISO	Ant1	5270	30~5221.6	4800.04	-52.30	5.81	-46.49	0.02244	≤2.5	PASS
11AC40SISO	Ant1	5270	5348.4~26000	8431.68	-39.83	5.81	-34.02	0.39628	≤2.5	See table below
11AC40SISO	Ant1	5310	30~5221.6	4800.04	-52.94	5.81	-47.13	0.01936	≤2.5	PASS
11AC40SISO	Ant1	5310	5348.4~26000	8495.7	-40.83	5.81	-35.02	0.31477	≤2.5	See table below
11AC40SISO	Ant1	5510	30~5460	5460.00	-50.98	4.7	-46.28	0.02355	≤12.5	PASS
11AC40SISO	Ant1	5510	5770~26000	25349.27	-42.90	4.7	-38.20	0.15136	≤12.5	PASS
11AC40SISO	Ant1	5550	30~5460	4440.25	-50.96	4.7	-46.26	0.02366	≤12.5	PASS
11AC40SISO	Ant1	5550	5770~26000	25906.27	-42.40	4.7	-37.70	0.16982	≤12.5	PASS
11AC40SISO	Ant1	5670	30~5460	4535.81	-51.30	4.7	-46.60	0.02188	≤12.5	PASS
11AC40SISO	Ant1	5670	5770~26000	25993.93	-42.75	4.7	-38.05	0.15668	≤12.5	PASS
11AC80SISO	Ant1	5210	30~5123.2	5114.03	-50.90	5.77	-45.13	0.03069	≤2.5	PASS
11AC80SISO	Ant1	5210	5296.7~26000	8335.94	-37.42	5.77	-31.65	0.68391	≤2.5	See table below
11AC80SISO	Ant1	5290	30~5203.3	5195.02	-52.64	5.81	-46.83	0.02075	≤2.5	PASS
11AC80SISO	Ant1	5290	5376.8~26000	8464.09	-38.32	5.81	-32.51	0.56105	≤2.5	See table below
11AC80SISO	Ant1	5530	30~5460	5451.86	-47.08	4.7	-42.38	0.05781	≤12.5	PASS
11AC80SISO	Ant1	5530	5770~26000	25731.62	-42.75	4.7	-38.05	0.15668	≤12.5	PASS
11AC80SISO	Ant1	5610	30~5460	4488.03	-48.28	4.7	-43.58	0.04385	≤12.5	PASS
11AC80SISO	Ant1	5610	5770~26000	24442.29	-42.63	4.7	-37.93	0.16106	≤12.5	PASS
11AX20SISO	Ant1	5180	30~5142	3245.96	-52.41	5.77	-46.64	0.02168	≤2.5	PASS

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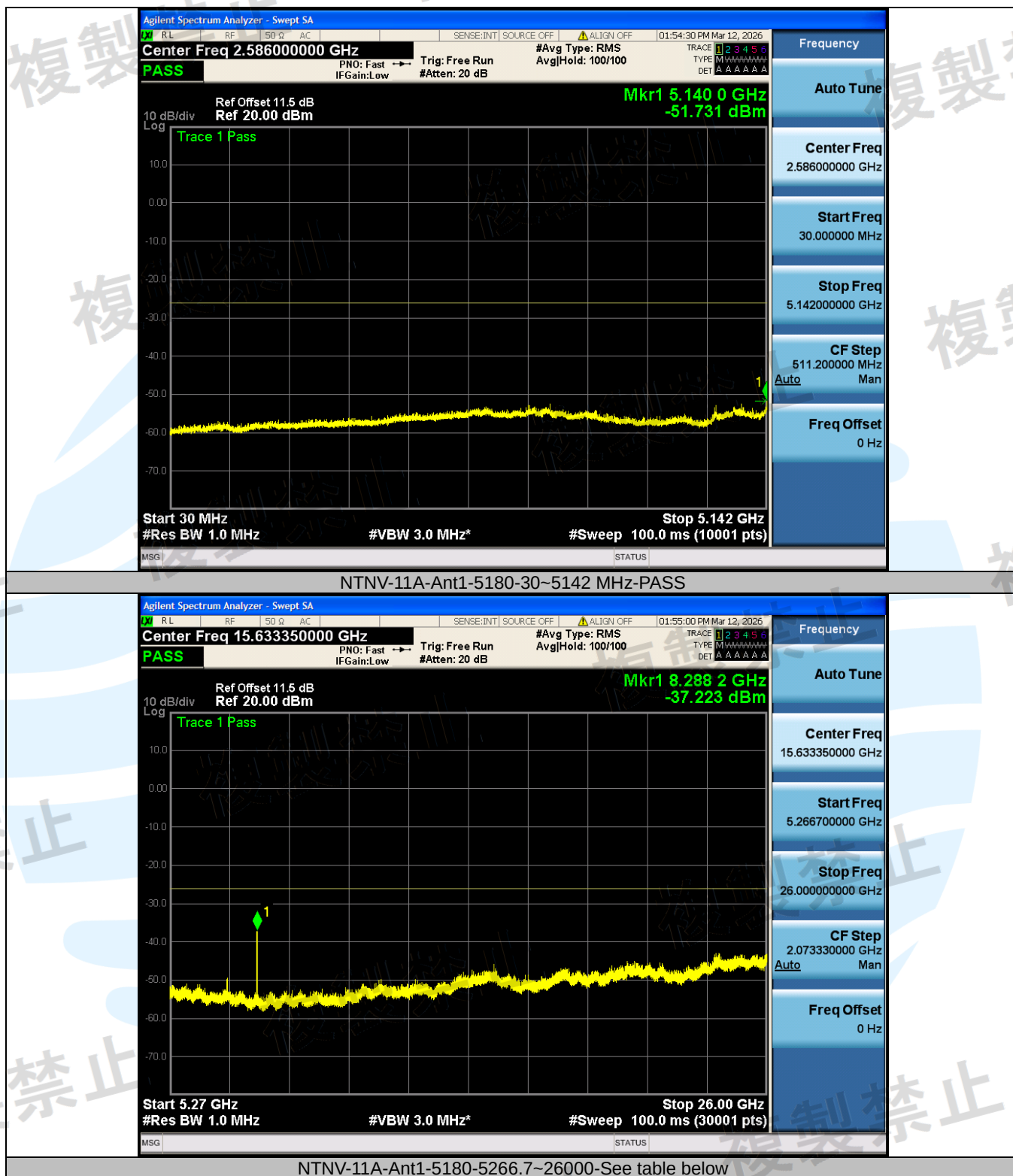
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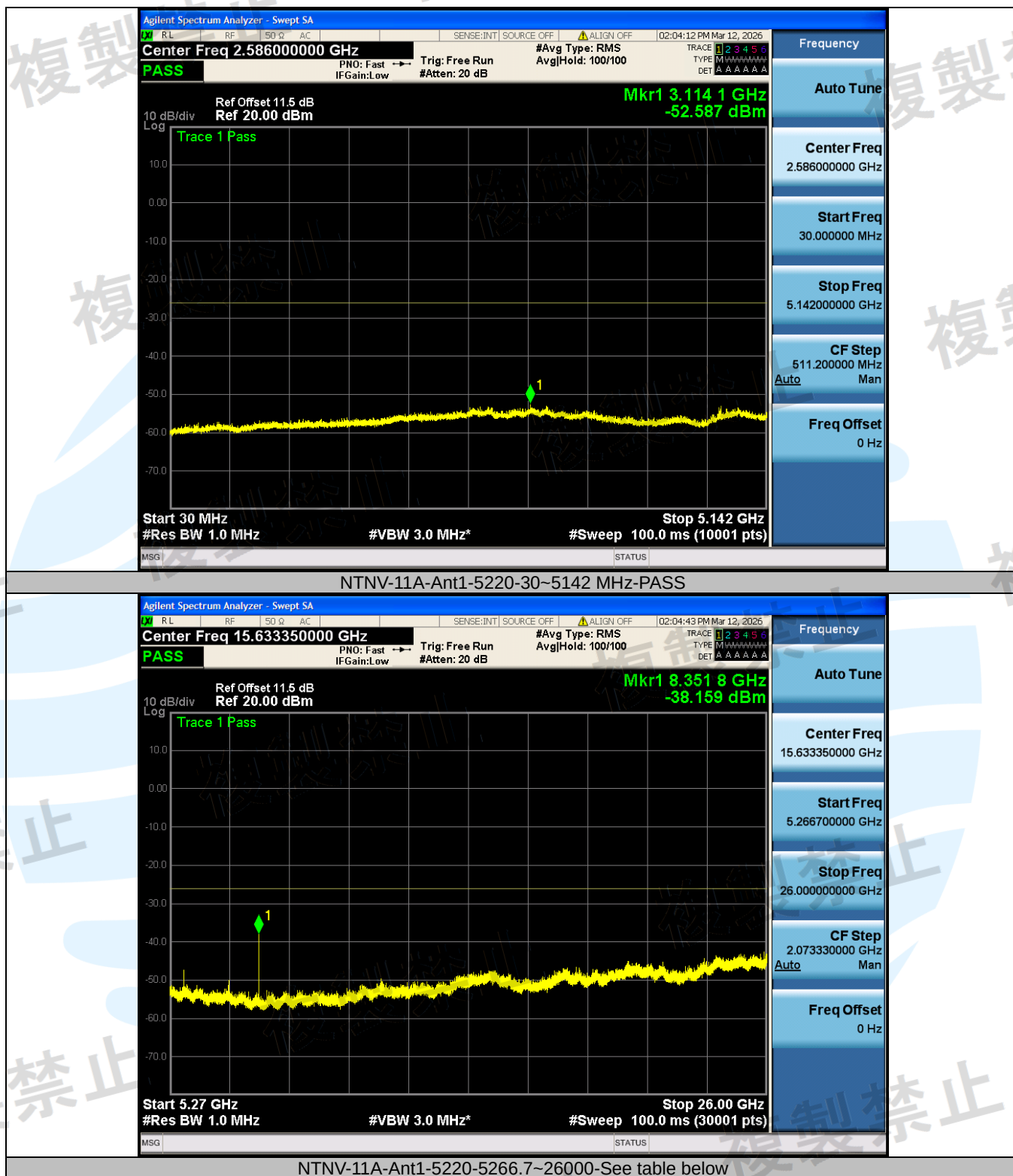
UTTR-RF-STDT71-V1.1

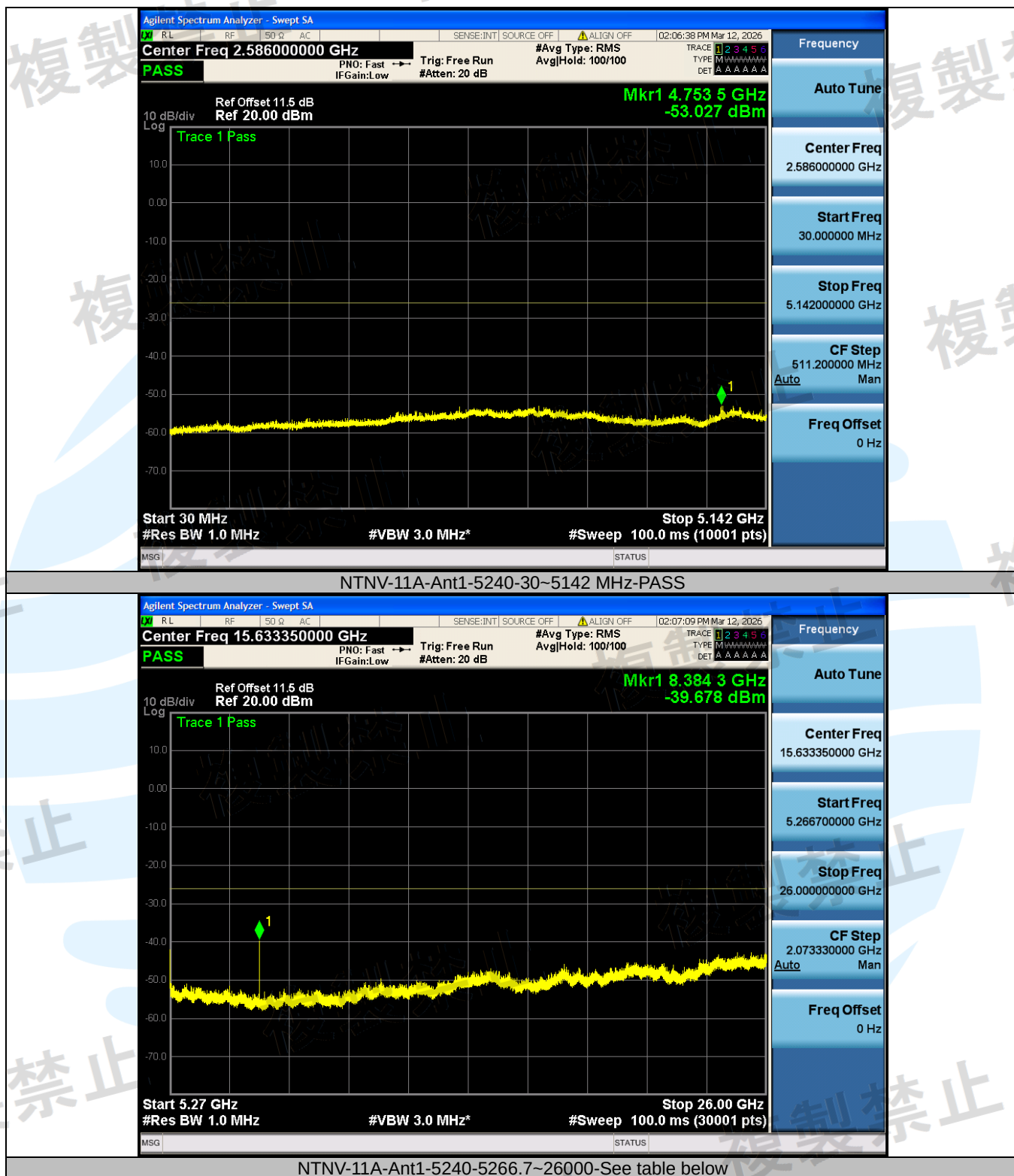
Test Mode	Ant.	Freq	Freq. Range	Freq.	Result	Gain [dBi]	EIRP	Result	Limit	Verdict
		(MHz)	[MHz]	[MHz]	[dBm/MHz]		[dBm/MHz]	[μW/MHz]	[μW/MHz]	
11AX20SISO	Ant1	5180	5266.7~26000	8288.23	-37.27	5.77	-31.50	0.70795	≤2.5	See table below
11AX20SISO	Ant1	5220	30~5142	3157.01	-52.43	5.77	-46.66	0.02158	≤2.5	PASS
11AX20SISO	Ant1	5220	5266.7~26000	8351.82	-37.91	5.77	-32.14	0.61094	≤2.5	See table below
11AX20SISO	Ant1	5240	30~5142	3154.97	-53.37	5.77	-47.60	0.01738	≤2.5	PASS
11AX20SISO	Ant1	5240	5266.7~26000	8384.3	-39.07	5.77	-33.30	0.46774	≤2.5	See table below
11AX20SISO	Ant1	5260	30~5233.3	5233.30	-51.04	5.81	-45.23	0.02999	≤2.5	PASS
11AX20SISO	Ant1	5260	5350~26000	8415.84	-39.16	5.81	-33.35	0.46238	≤2.5	See table below
11AX20SISO	Ant1	5300	30~5233.3	4829.00	-51.24	5.81	-45.43	0.02864	≤2.5	PASS
11AX20SISO	Ant1	5300	5350~26000	8479.85	-40.16	5.81	-34.35	0.36728	≤2.5	See table below
11AX20SISO	Ant1	5320	30~5233.3	4831.08	-51.20	5.81	-45.39	0.02891	≤2.5	PASS
11AX20SISO	Ant1	5320	5350~26000	8512.2	-40.87	5.81	-35.06	0.31189	≤2.5	See table below
11AX20SISO	Ant1	5500	30~5460	4400.06	-51.40	4.7	-46.70	0.02138	≤2.5	PASS
11AX20SISO	Ant1	5500	5765~26000	8800.25	-42.87	4.7	-38.17	0.15241	≤2.5	PASS
11AX20SISO	Ant1	5600	30~5460	4479.89	-51.59	4.7	-46.89	0.02046	≤2.5	PASS
11AX20SISO	Ant1	5600	5765~26000	25959.53	-42.51	4.7	-37.81	0.16558	≤2.5	PASS
11AX20SISO	Ant1	5700	30~5460	4559.71	-51.55	4.7	-46.85	0.02065	≤2.5	PASS
11AX20SISO	Ant1	5700	5765~26000	24236.86	-42.72	4.7	-38.02	0.15776	≤2.5	PASS
11AX40SISO	Ant1	5190	30~5141.6	4800.15	-52.05	5.77	-46.28	0.02355	≤2.5	PASS
11AX40SISO	Ant1	5190	5278.4~26000	8303.75	-37.06	5.77	-31.29	0.74302	≤2.5	See table below
11AX40SISO	Ant1	5230	30~5141.6	4800.15	-52.82	5.77	-47.05	0.01972	≤2.5	PASS
11AX40SISO	Ant1	5230	5278.4~26000	8367.99	-37.86	5.77	-32.09	0.61802	≤2.5	See table below
11AX40SISO	Ant1	5270	30~5221.6	5216.93	-50.34	5.81	-44.53	0.03524	≤2.5	PASS
11AX40SISO	Ant1	5270	5348.4~26000	8431.68	-39.45	5.81	-33.64	0.43251	≤2.5	See table below
11AX40SISO	Ant1	5310	30~5221.6	4800.04	-52.49	5.81	-46.68	0.02148	≤2.5	PASS
11AX40SISO	Ant1	5310	5348.4~26000	8495.7	-40.75	5.81	-34.94	0.32063	≤2.5	See table below
11AX40SISO	Ant1	5510	30~5460	5449.68	-52.55	4.7	-47.85	0.01641	≤12.5	PASS
11AX40SISO	Ant1	5510	5770~26000	24370.14	-42.90	4.7	-38.20	0.15136	≤12.5	PASS
11AX40SISO	Ant1	5550	30~5460	4440.25	-51.81	4.7	-47.11	0.01945	≤12.5	PASS
11AX40SISO	Ant1	5550	5770~26000	25908.97	-43.05	4.7	-38.35	0.14622	≤12.5	PASS
11AX40SISO	Ant1	5670	30~5460	4535.81	-51.33	4.7	-46.63	0.02173	≤12.5	PASS
11AX40SISO	Ant1	5670	5770~26000	25973.03	-42.80	4.7	-38.10	0.15488	≤12.5	PASS
11AX80SISO	Ant1	5210	30~5123.2	4799.78	-53.01	5.77	-47.24	0.01888	≤2.5	PASS
11AX80SISO	Ant1	5210	5296.7~26000	8335.94	-37.58	5.77	-31.81	0.65917	≤2.5	See table below
11AX80SISO	Ant1	5290	30~5203.3	5200.71	-52.02	5.81	-46.21	0.02393	≤2.5	PASS
11AX80SISO	Ant1	5290	5376.8~26000	8464.09	-38.28	5.81	-32.47	0.56624	≤2.5	See table below
11AX80SISO	Ant1	5530	30~5460	4423.96	-51.28	4.7	-46.58	0.02198	≤12.5	PASS
11AX80SISO	Ant1	5530	5770~26000	25680.37	-42.77	4.7	-38.07	0.15596	≤12.5	PASS
11AX80SISO	Ant1	5610	30~5460	4488.03	-48.59	4.7	-43.89	0.04083	≤12.5	PASS
11AX80SISO	Ant1	5610	5770~26000	24200.88	-43.26	4.7	-38.56	0.13932	≤12.5	PASS

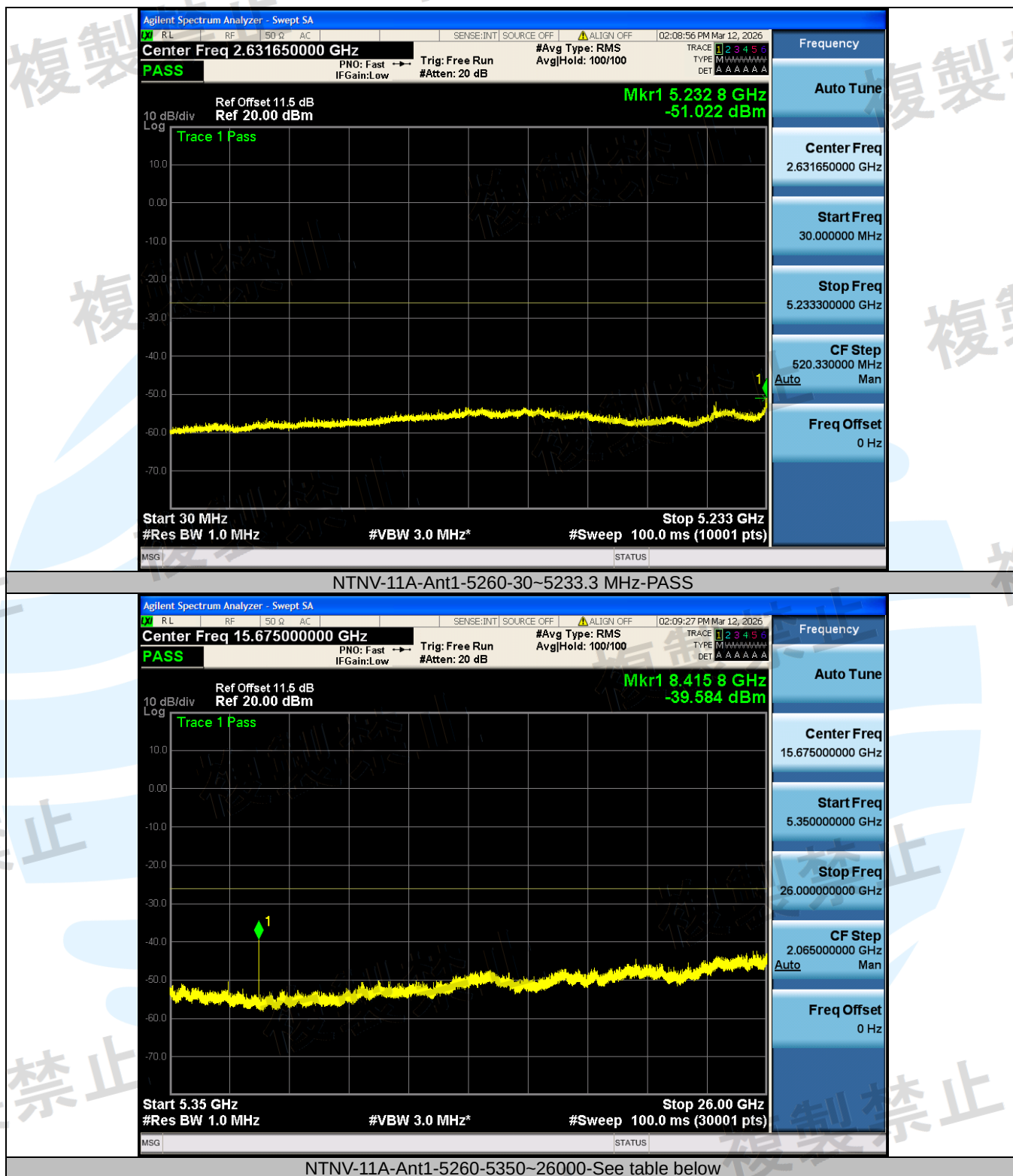
Step2

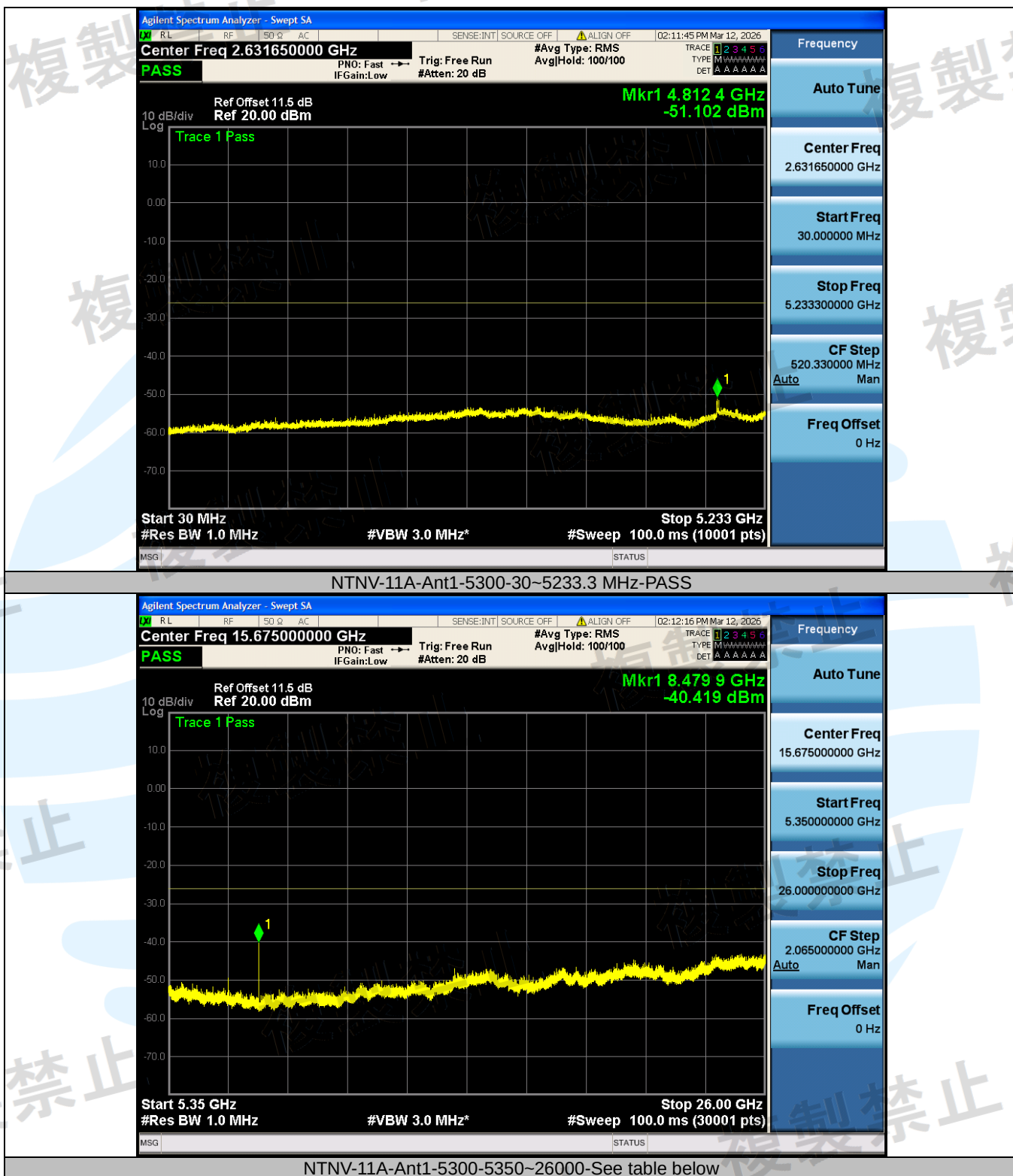
Test Mode	Ant.	Test Freq. (MHz)	Freq. [MHz]	Result [dBm]	Gain [dBi]	EIRP [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11A	Ant1	5180	8288.23	-37.45	5.77	-31.68	0.67920	≤2.5	PASS
11A	Ant1	5220	8351.82	-38.76	5.77	-32.99	0.50234	≤2.5	PASS
11A	Ant1	5240	8384.30	-39.24	5.77	-33.47	0.44978	≤2.5	PASS
11A	Ant1	5260	8415.84	-39.84	5.81	-34.03	0.39537	≤2.5	PASS
11A	Ant1	5300	8479.85	-40.54	5.81	-34.73	0.33651	≤2.5	PASS
11A	Ant1	5320	8512.20	-40.92	5.81	-35.11	0.30832	≤2.5	PASS
11N20SISO	Ant1	5180	8288.23	-37.72	5.77	-31.95	0.63826	≤2.5	PASS
11N20SISO	Ant1	5220	8351.82	-38.37	5.77	-32.60	0.54954	≤2.5	PASS
11N20SISO	Ant1	5240	8384.30	-39.39	5.77	-33.62	0.43451	≤2.5	PASS
11N20SISO	Ant1	5260	8415.84	-39.53	5.81	-33.72	0.42462	≤2.5	PASS
11N20SISO	Ant1	5300	8479.85	-40.19	5.81	-34.38	0.36475	≤2.5	PASS
11N20SISO	Ant1	5320	8512.20	-40.59	5.81	-34.78	0.33266	≤2.5	PASS
11N40SISO	Ant1	5190	8303.75	-37.51	5.77	-31.74	0.66988	≤2.5	PASS
11N40SISO	Ant1	5230	8367.99	-38.61	5.77	-32.84	0.52000	≤2.5	PASS
11N40SISO	Ant1	5270	8431.68	-39.07	5.81	-33.26	0.47206	≤2.5	PASS
11N40SISO	Ant1	5310	8495.70	-40.10	5.81	-34.29	0.37239	≤2.5	PASS
11AC20SISO	Ant1	5180	8288.23	-37.51	5.77	-31.74	0.66988	≤2.5	PASS
11AC20SISO	Ant1	5220	8351.82	-38.27	5.77	-32.50	0.56234	≤2.5	PASS
11AC20SISO	Ant1	5240	8384.30	-38.88	5.77	-33.11	0.48865	≤2.5	PASS
11AC20SISO	Ant1	5260	8415.84	-39.47	5.81	-33.66	0.43053	≤2.5	PASS
11AC20SISO	Ant1	5300	8479.85	-40.25	5.81	-34.44	0.35975	≤2.5	PASS
11AC20SISO	Ant1	5320	8512.20	-40.73	5.81	-34.92	0.32211	≤2.5	PASS
11AC40SISO	Ant1	5190	8303.75	-37.55	5.77	-31.78	0.66374	≤2.5	PASS
11AC40SISO	Ant1	5230	8367.99	-38.48	5.77	-32.71	0.53580	≤2.5	PASS
11AC40SISO	Ant1	5270	8431.68	-39.14	5.81	-33.33	0.46452	≤2.5	PASS
11AC40SISO	Ant1	5310	8495.70	-40.19	5.81	-34.38	0.36475	≤2.5	PASS
11AC80SISO	Ant1	5210	8335.94	-38.35	5.77	-32.58	0.55208	≤2.5	PASS
11AC80SISO	Ant1	5290	8464.09	-38.61	5.81	-32.80	0.52481	≤2.5	PASS
11AX20SISO	Ant1	5180	8288.23	-37.31	5.77	-31.54	0.70146	≤2.5	PASS
11AX20SISO	Ant1	5220	8351.82	-38.35	5.77	-32.58	0.55208	≤2.5	PASS
11AX20SISO	Ant1	5240	8384.30	-38.98	5.77	-33.21	0.47753	≤2.5	PASS
11AX20SISO	Ant1	5260	8415.84	-39.53	5.81	-33.72	0.42462	≤2.5	PASS
11AX20SISO	Ant1	5300	8479.85	-40.15	5.81	-34.34	0.36813	≤2.5	PASS
11AX20SISO	Ant1	5320	8512.20	-40.57	5.81	-34.76	0.33420	≤2.5	PASS
11AX40SISO	Ant1	5190	8303.75	-37.11	5.77	-31.34	0.73451	≤2.5	PASS
11AX40SISO	Ant1	5230	8367.99	-38.51	5.77	-32.74	0.53211	≤2.5	PASS
11AX40SISO	Ant1	5270	8431.68	-39.08	5.81	-33.27	0.47098	≤2.5	PASS
11AX40SISO	Ant1	5310	8495.70	-40.23	5.81	-34.42	0.36141	≤2.5	PASS
11AX80SISO	Ant1	5210	8335.94	-38.30	5.77	-32.53	0.55847	≤2.5	PASS
11AX80SISO	Ant1	5290	8464.09	-38.54	5.81	-32.73	0.53333	≤2.5	PASS











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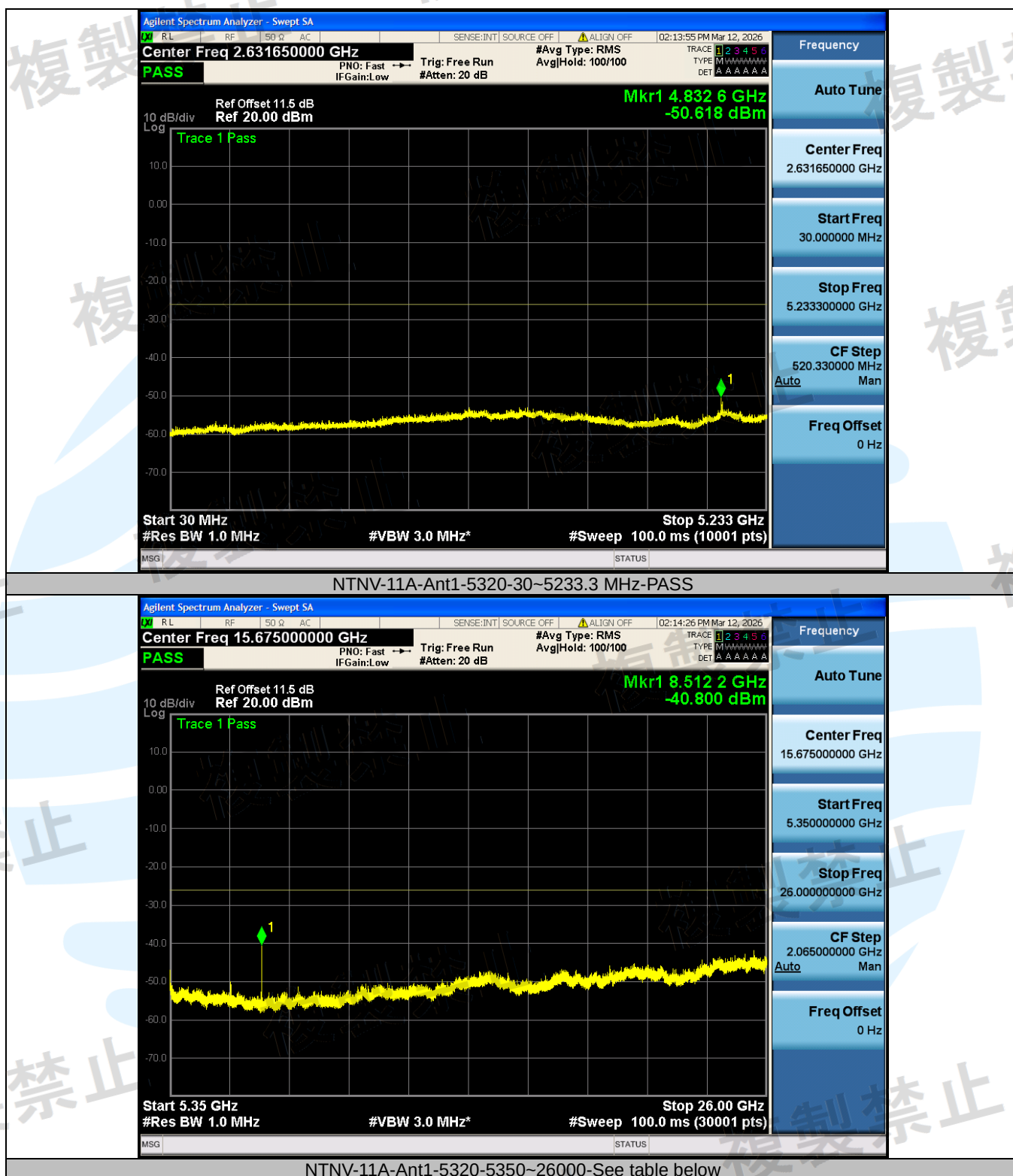
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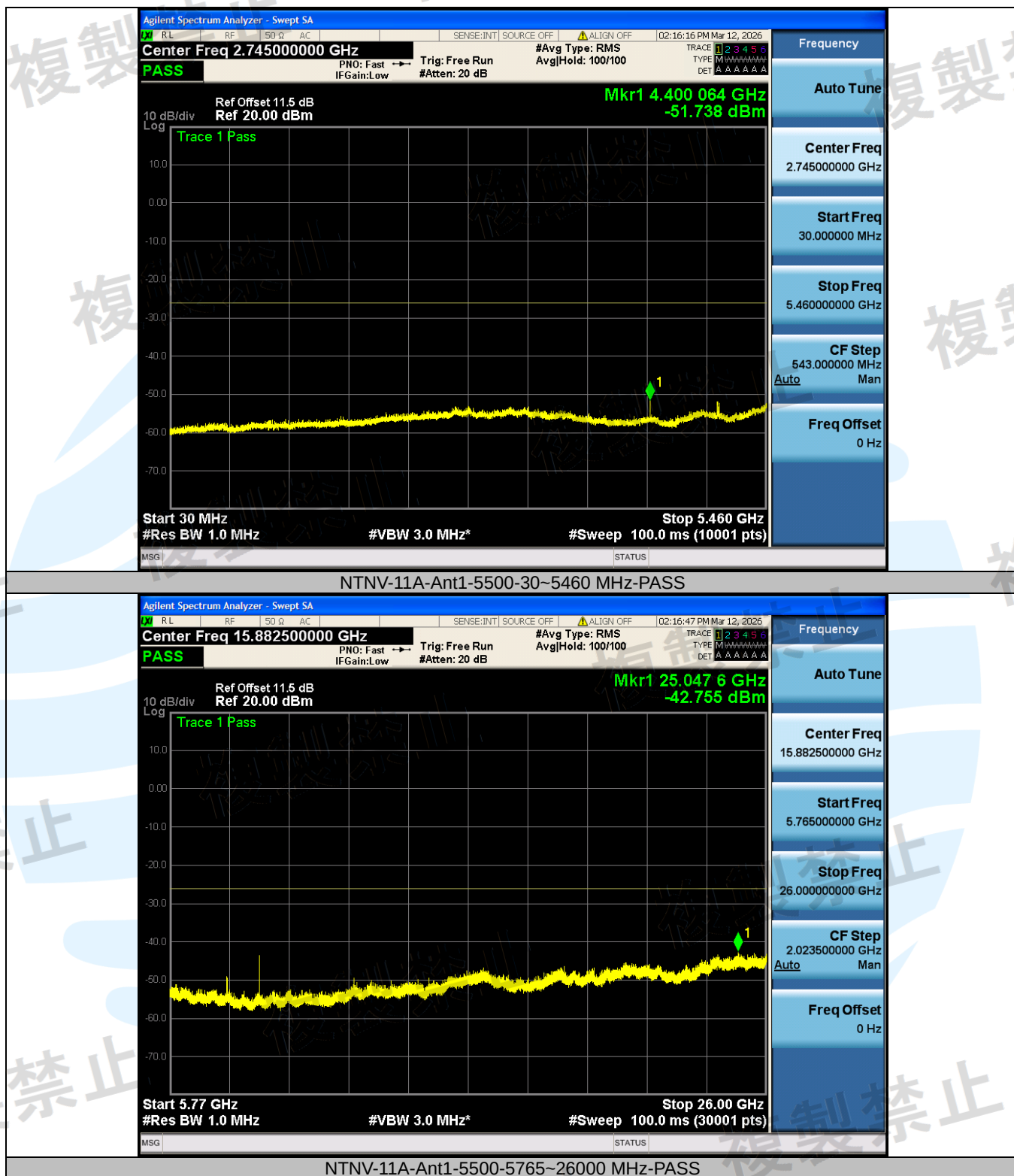
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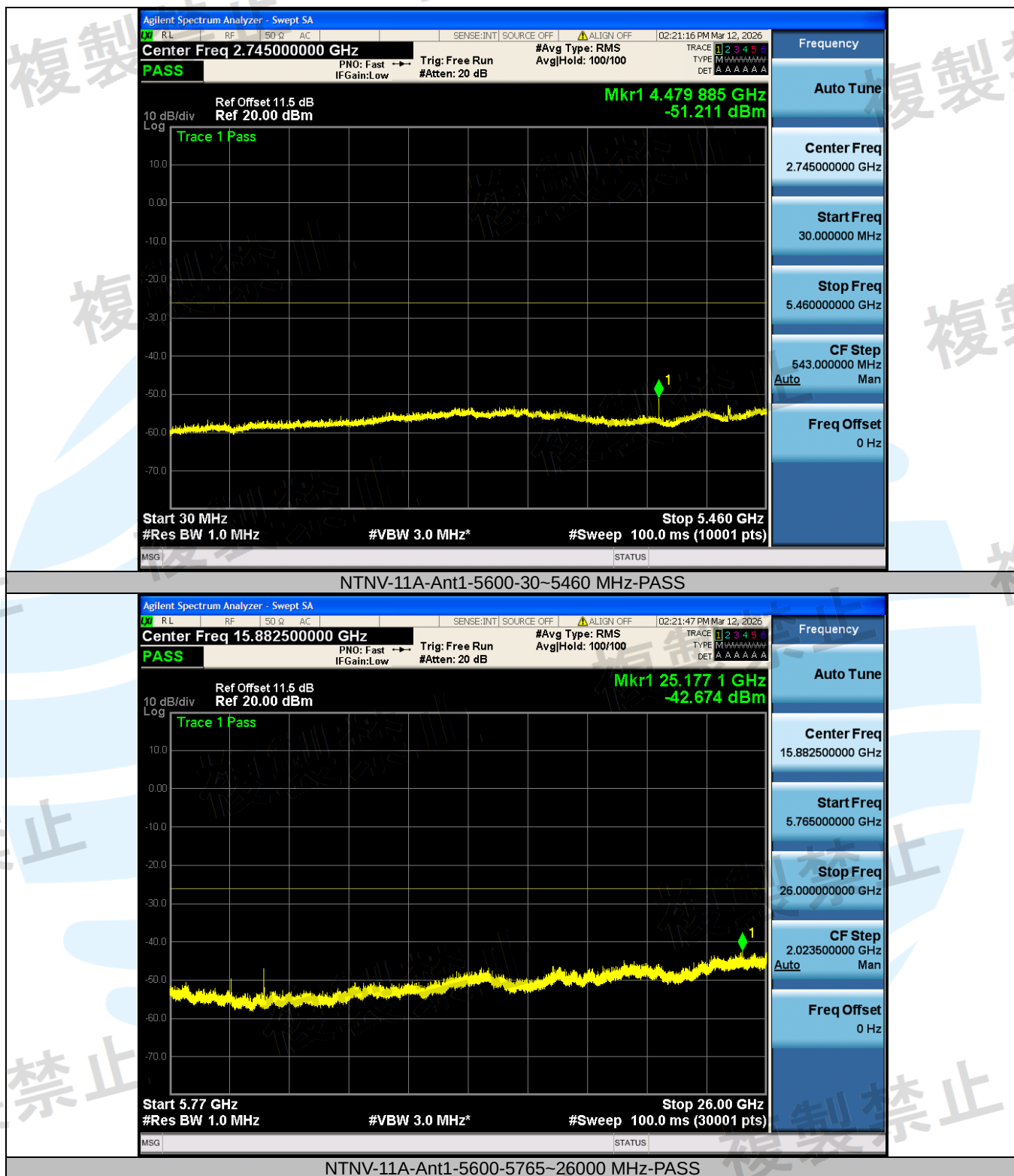
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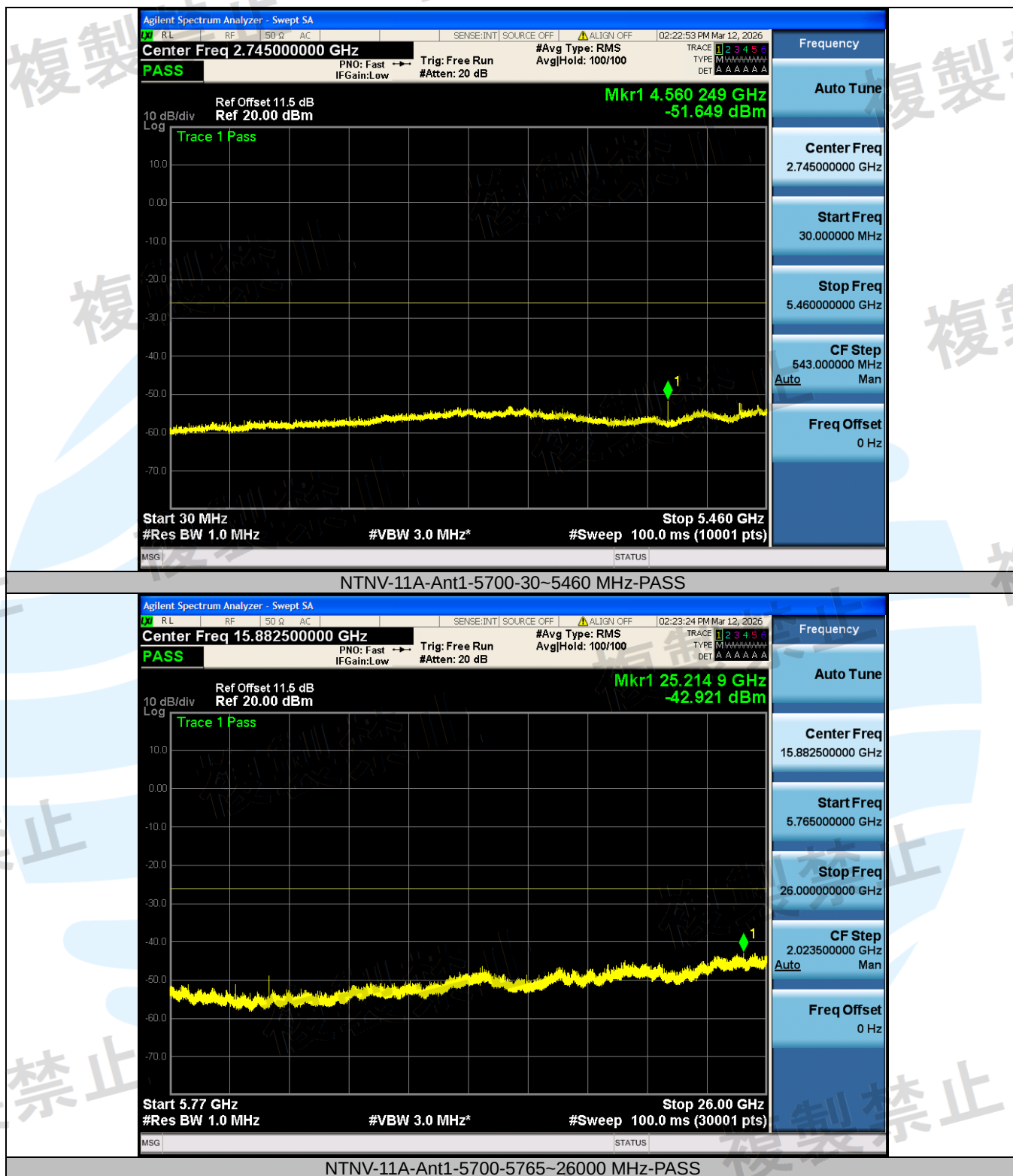
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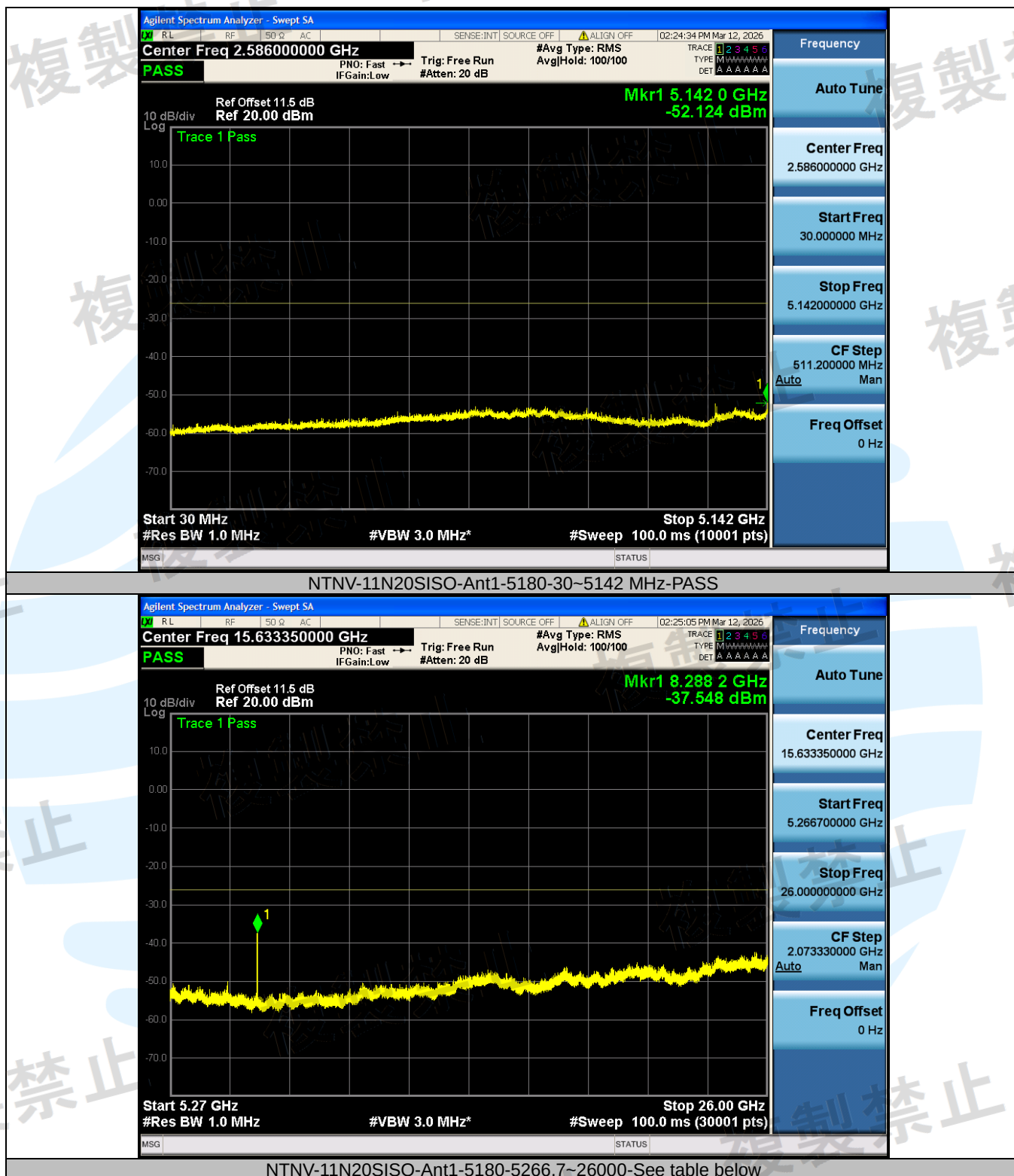
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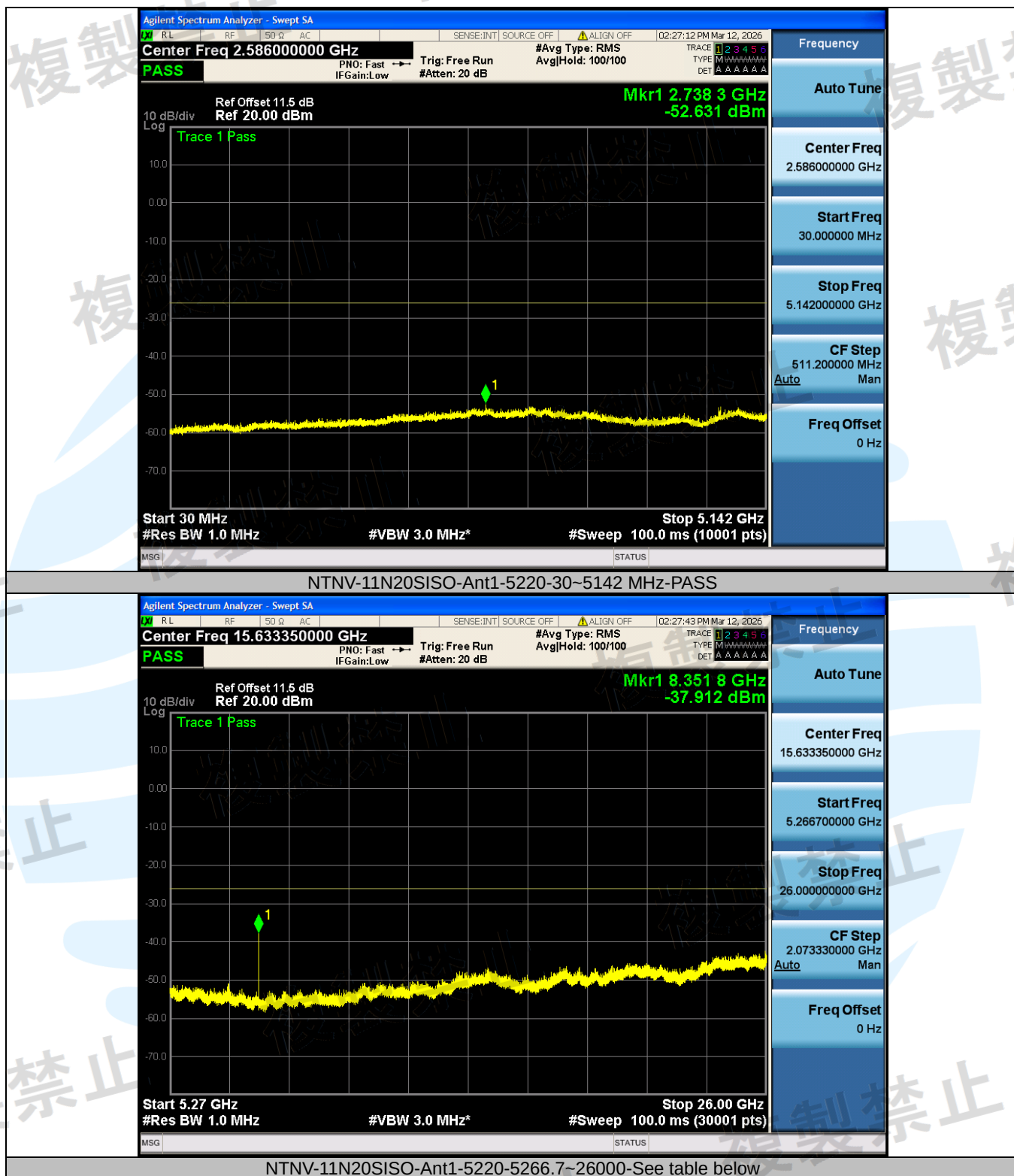


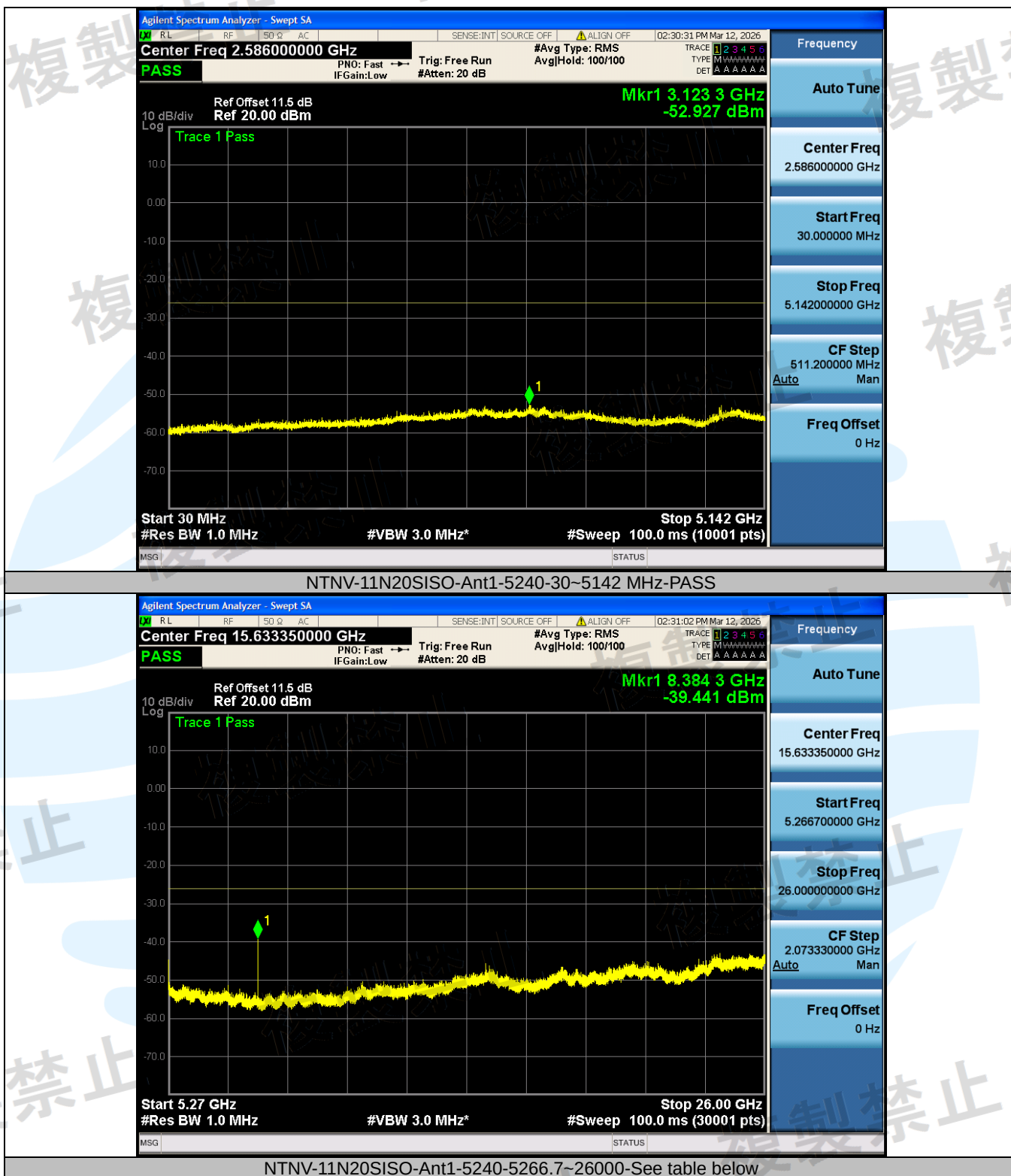


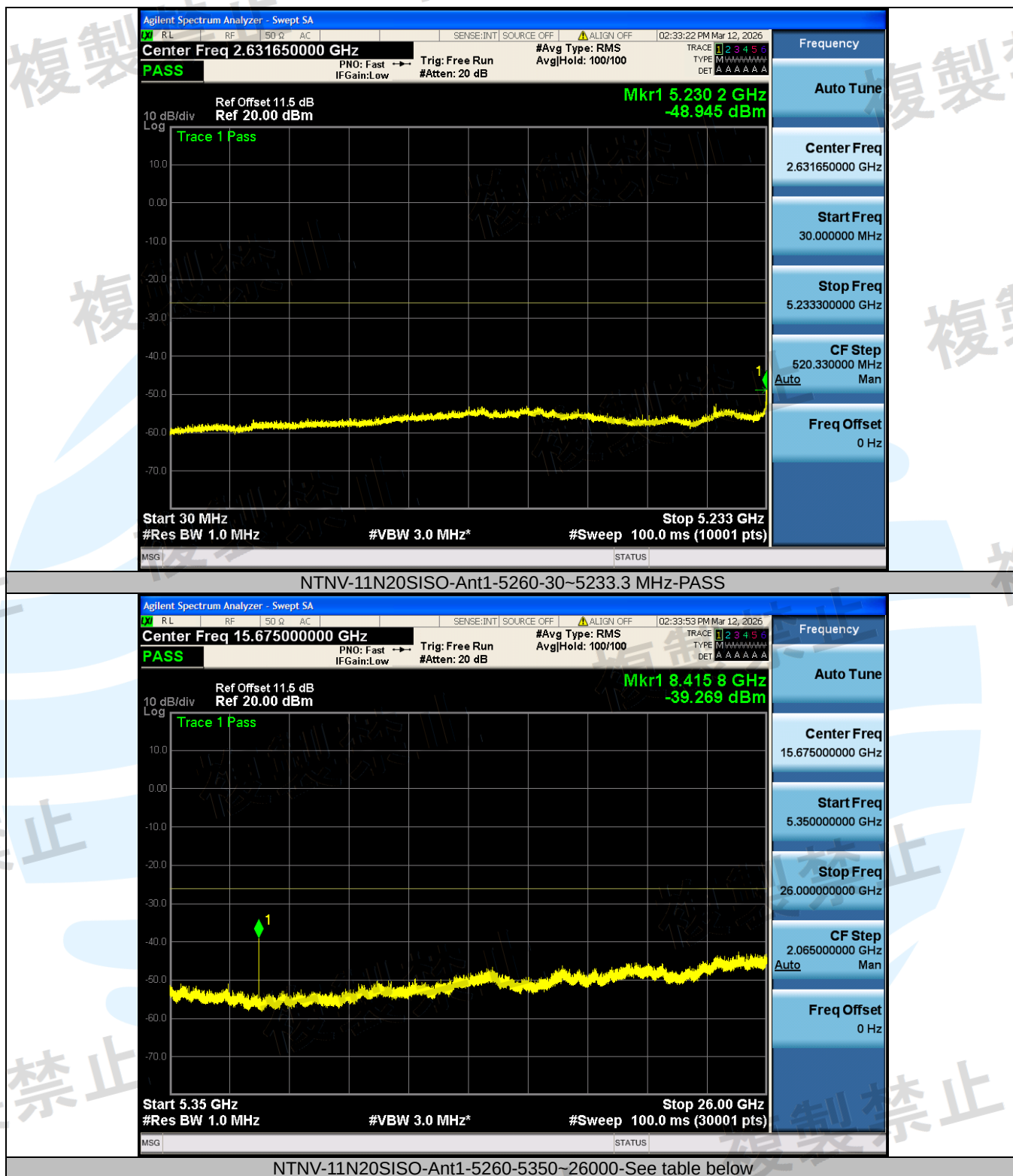


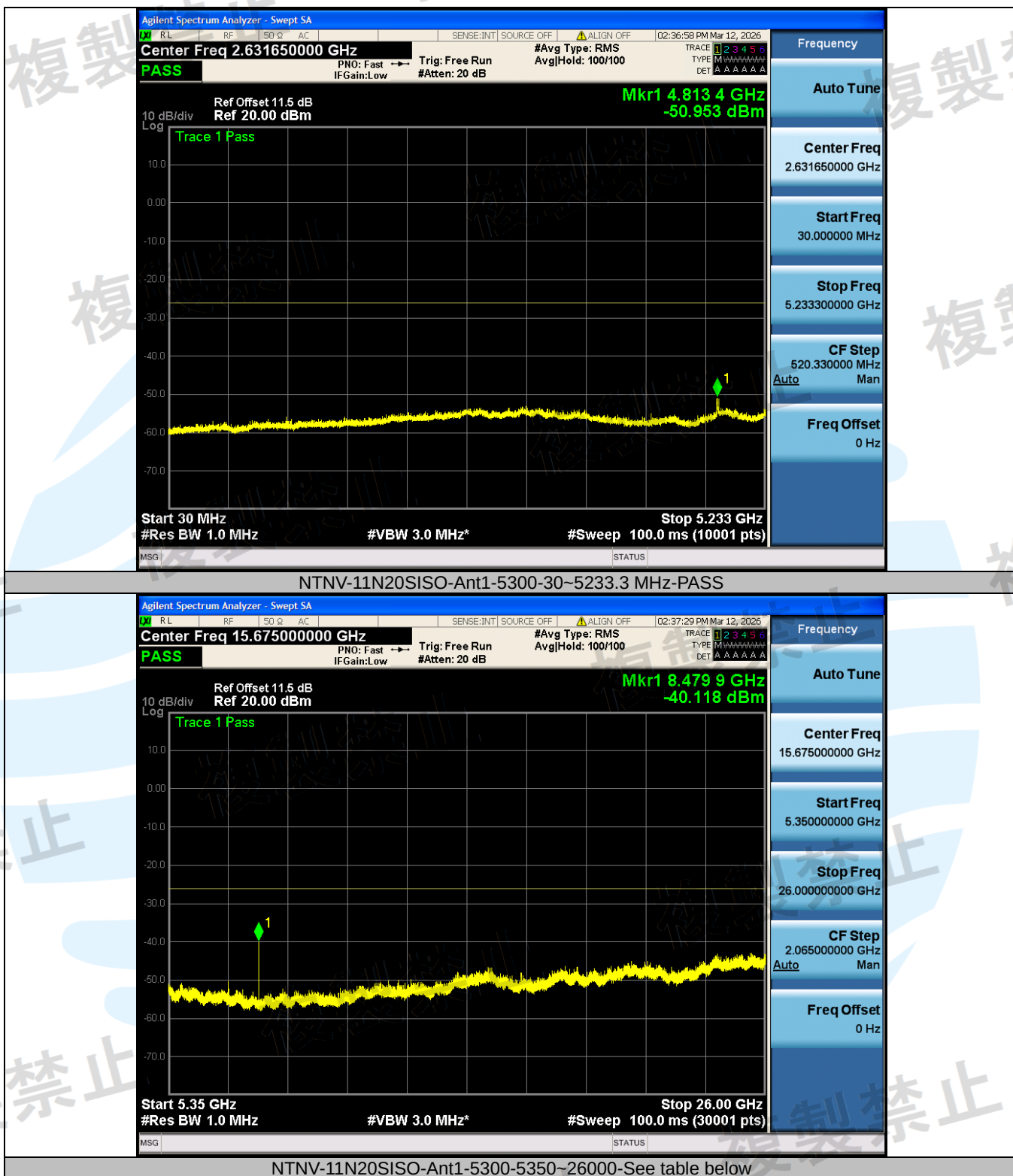


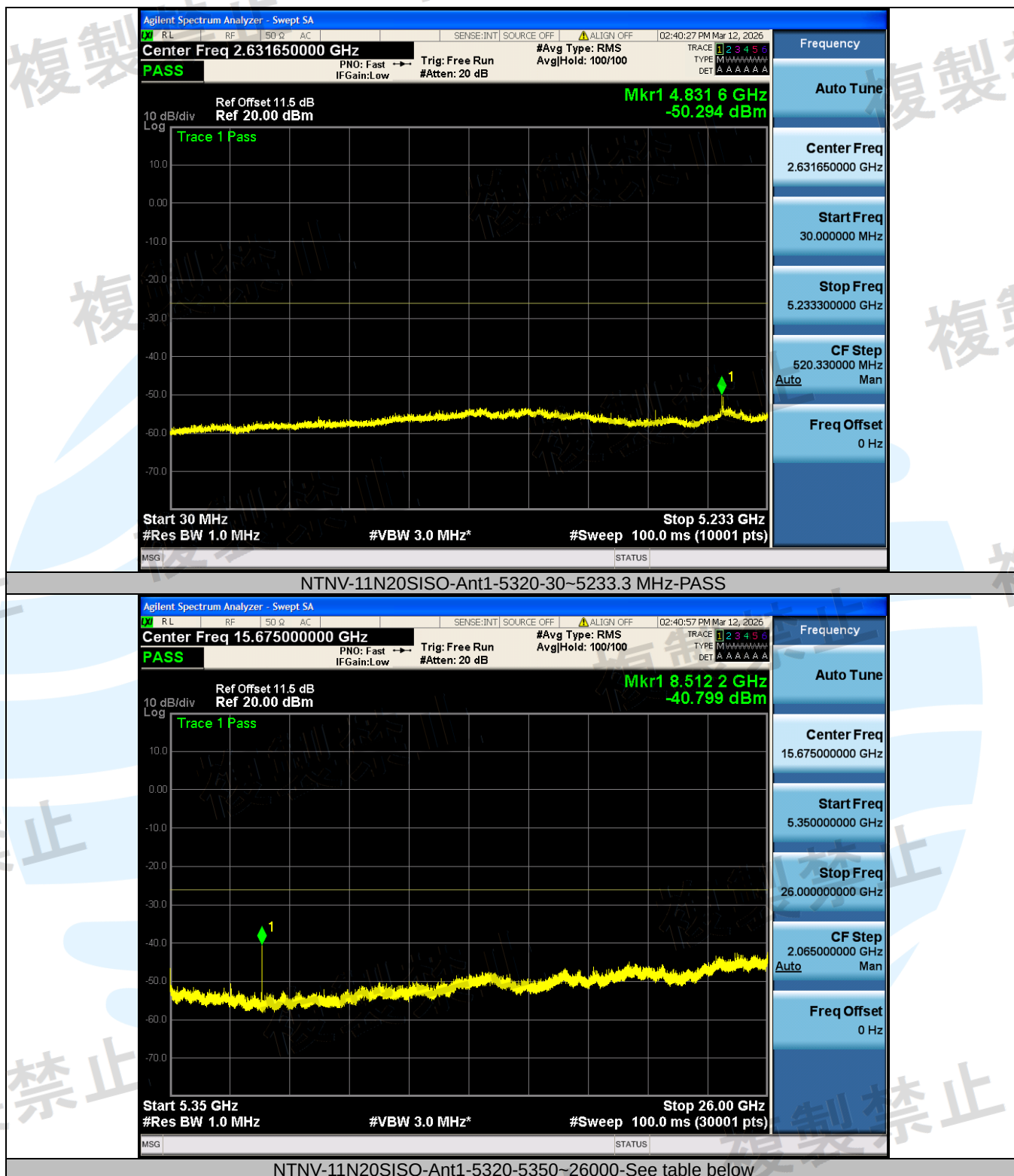


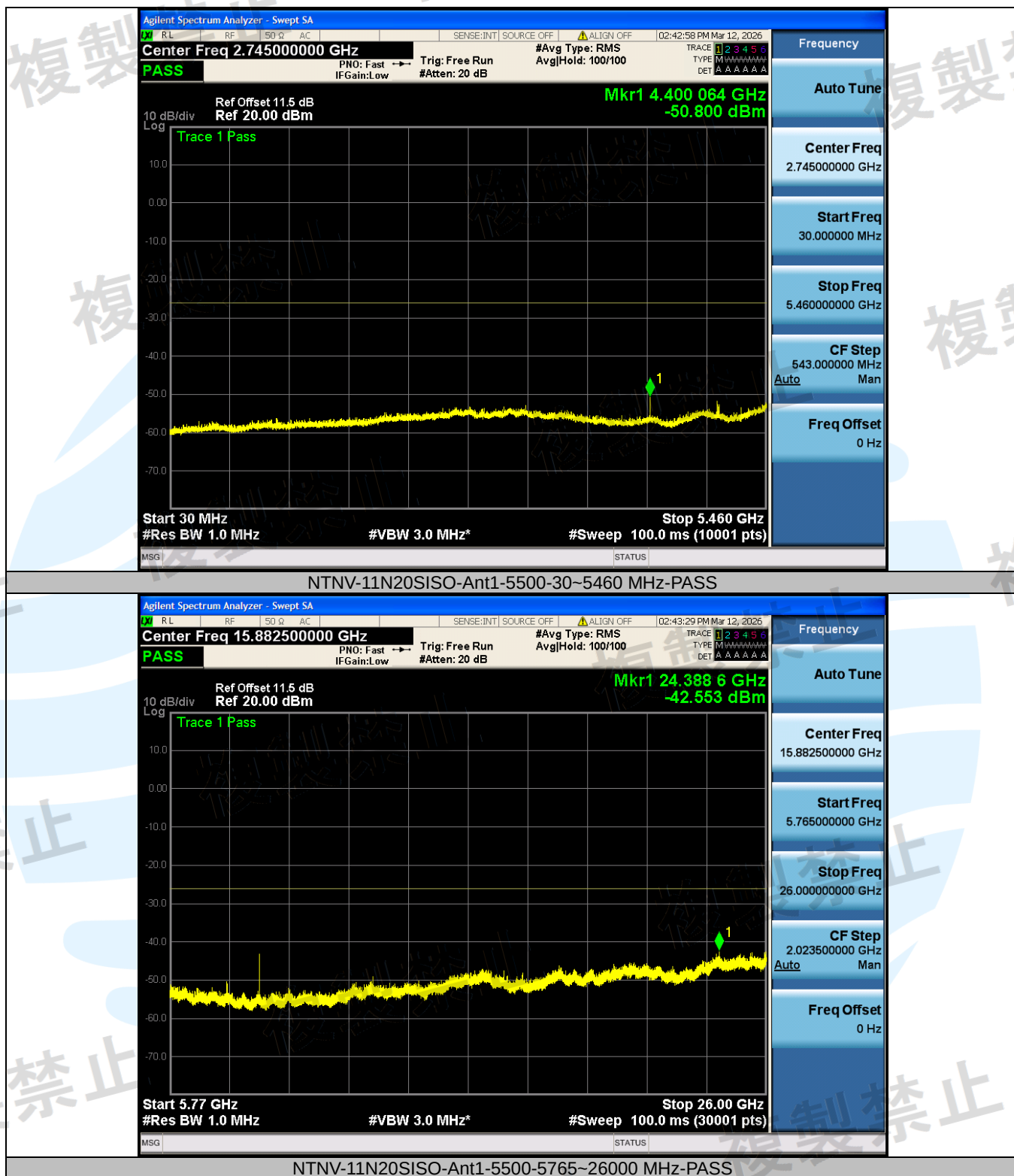


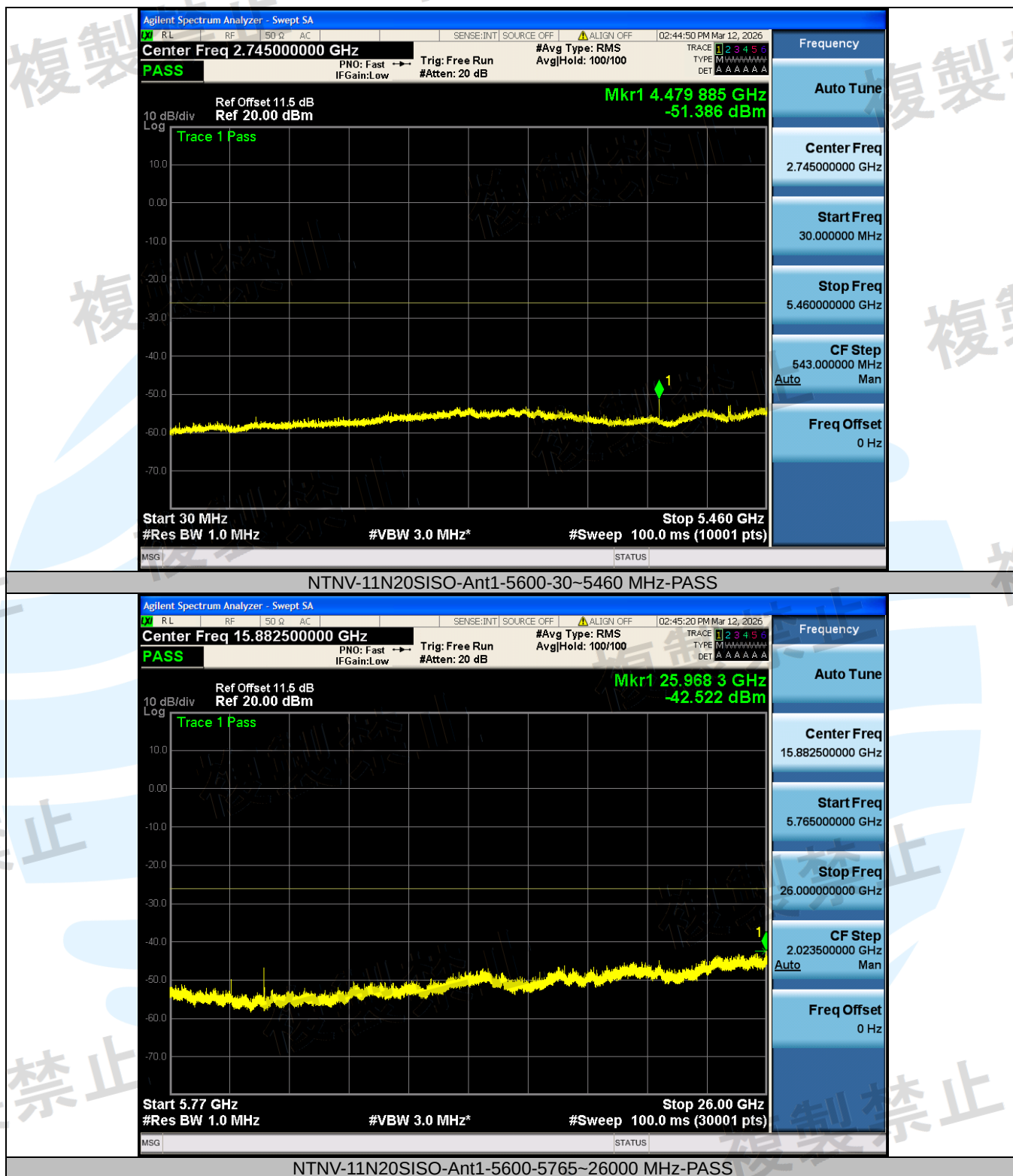


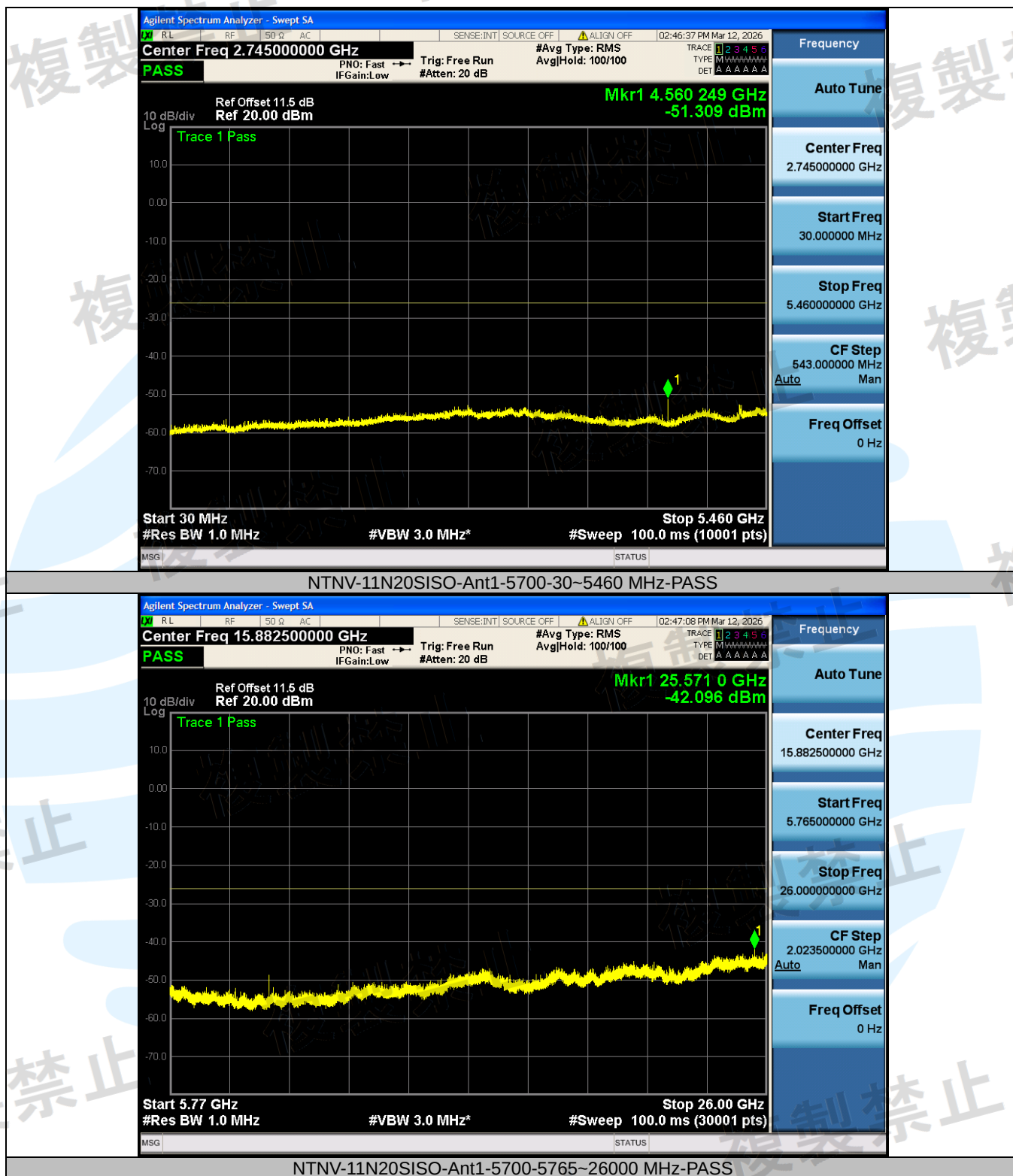


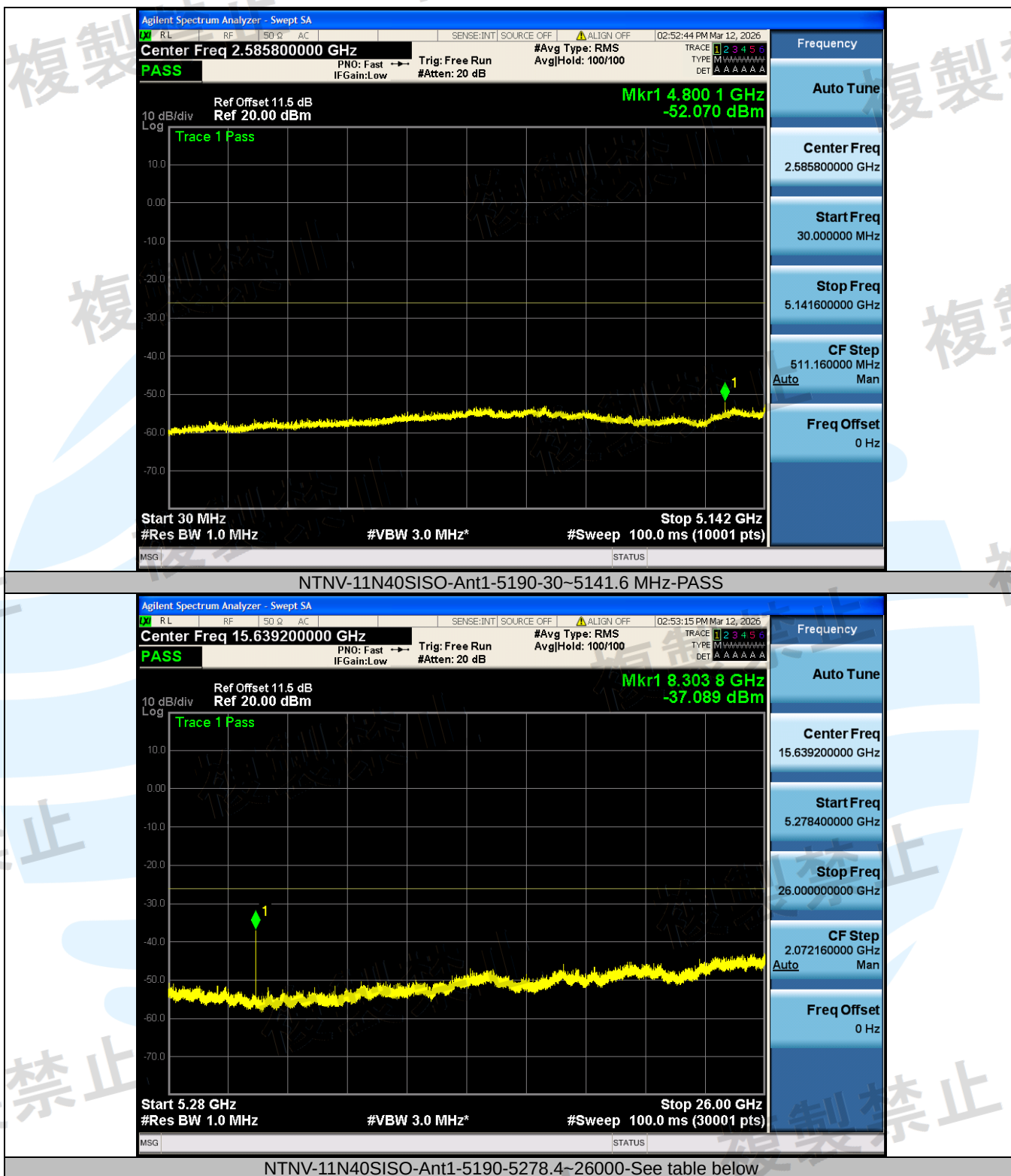


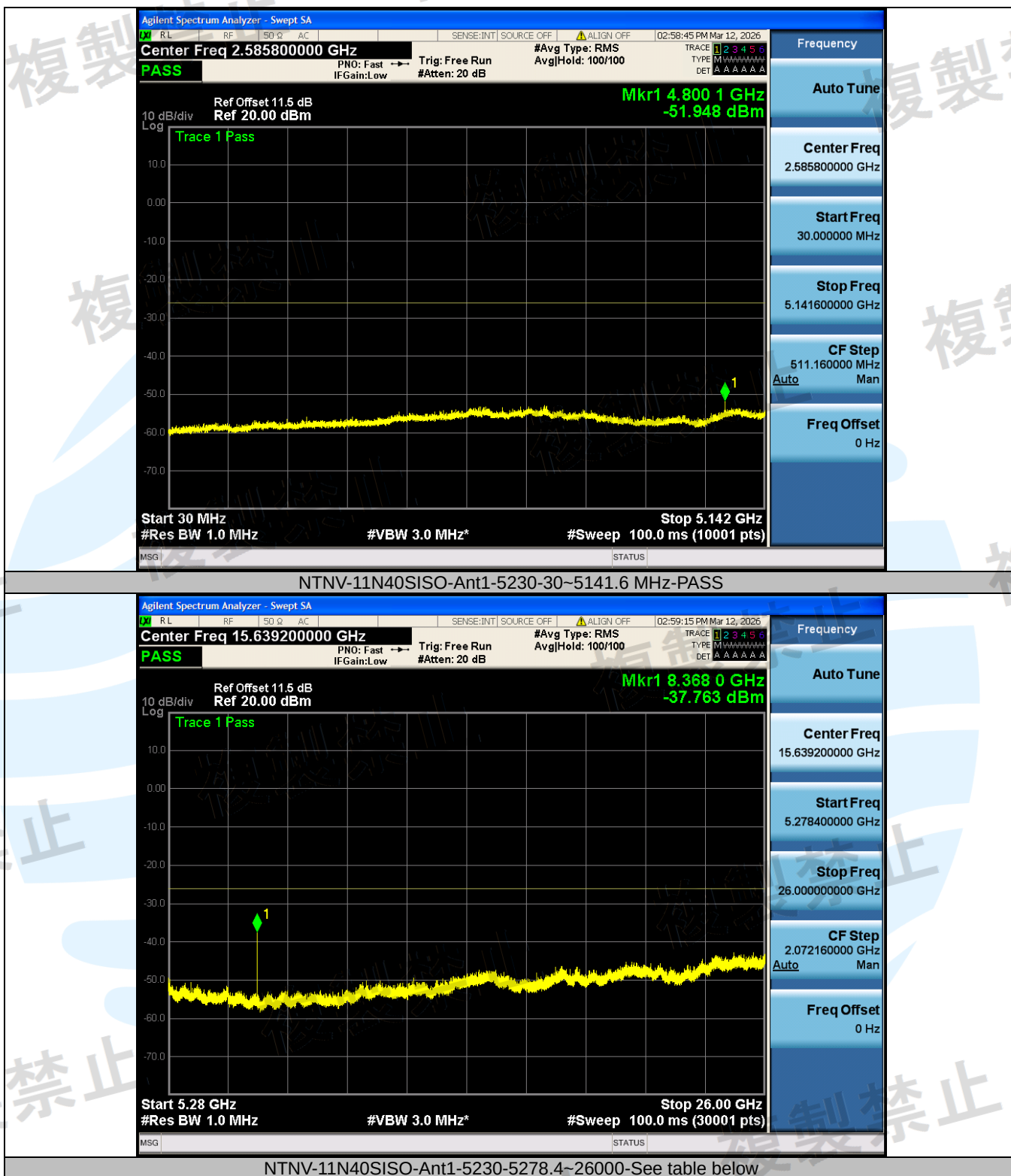


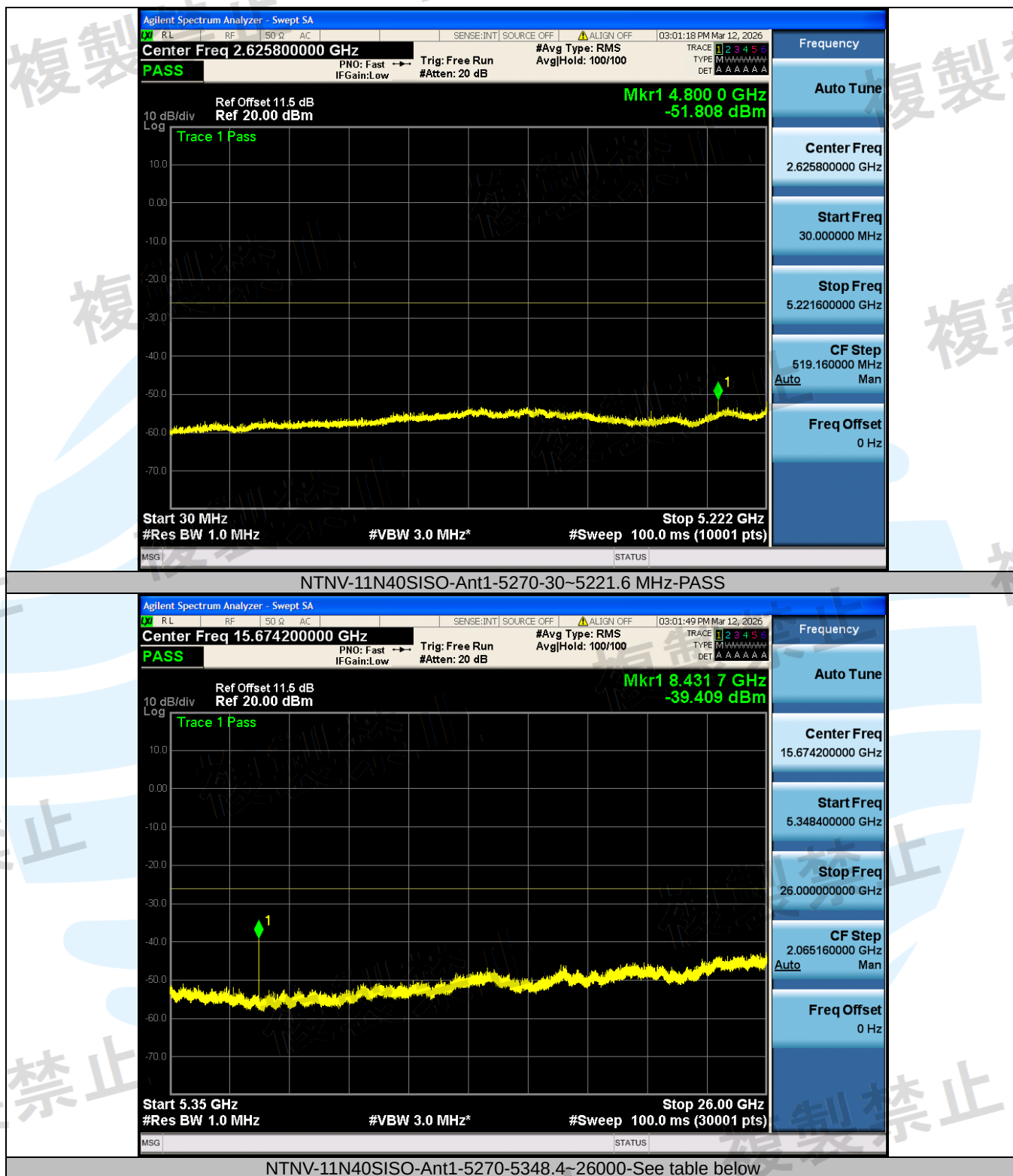


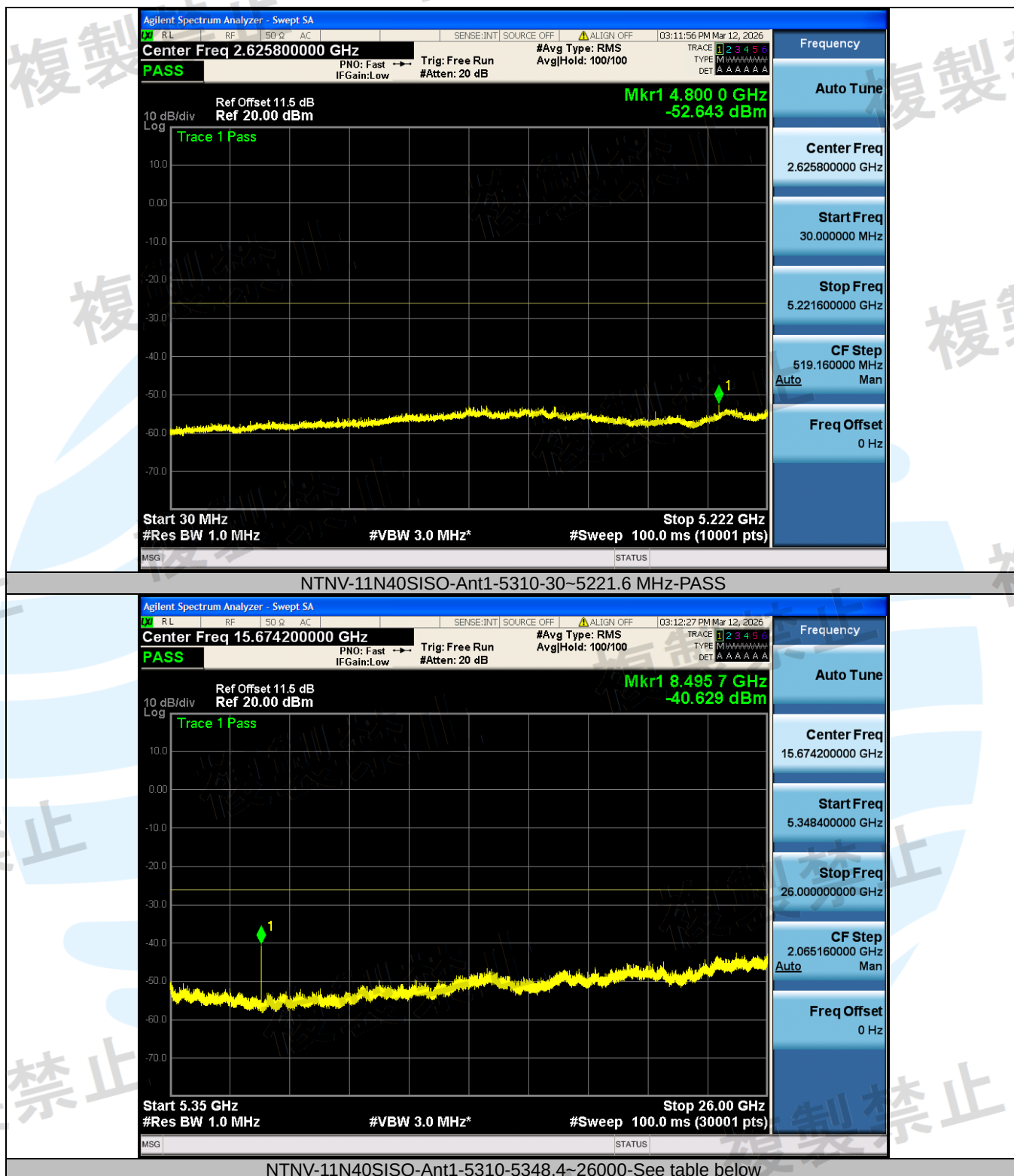


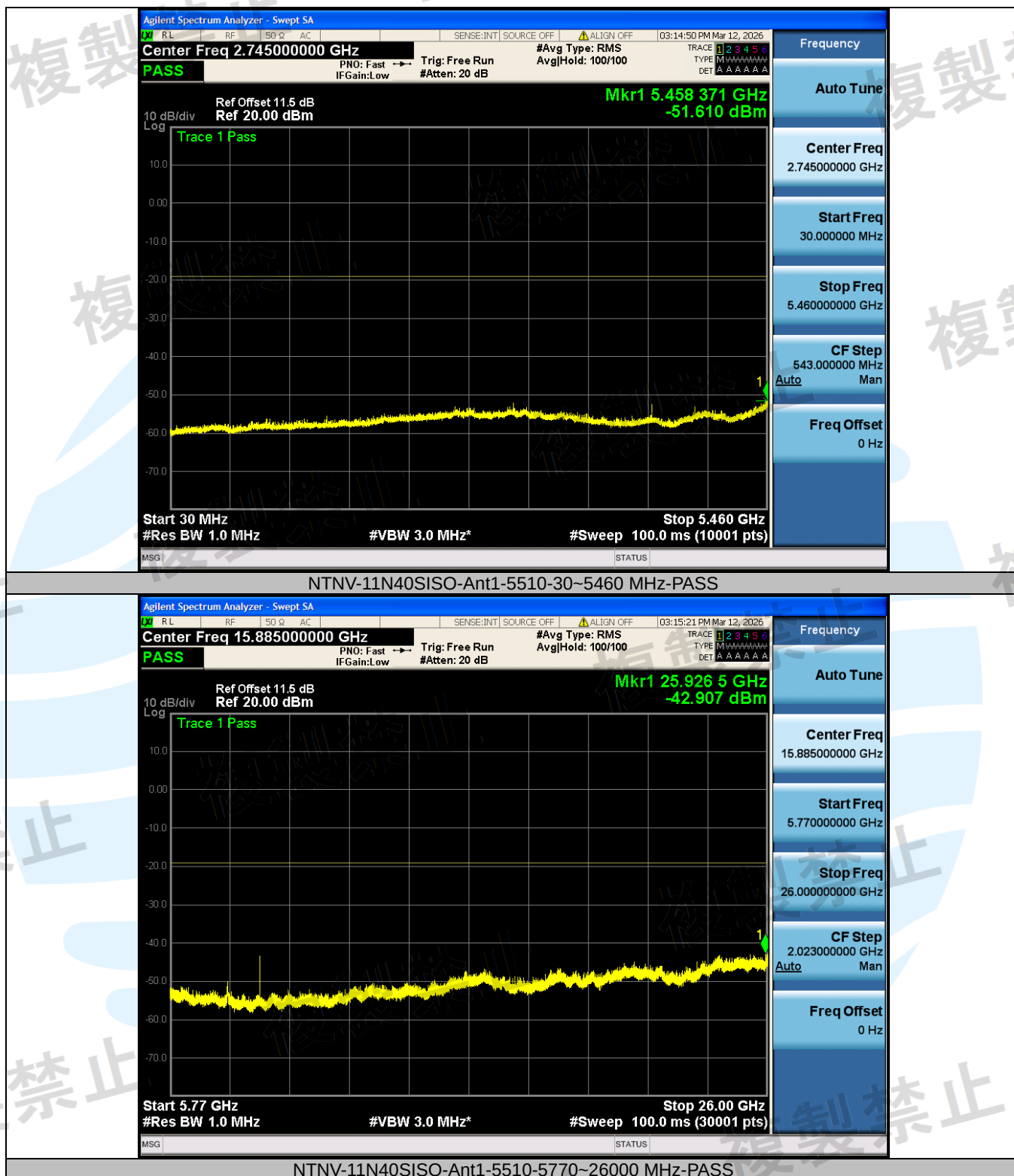


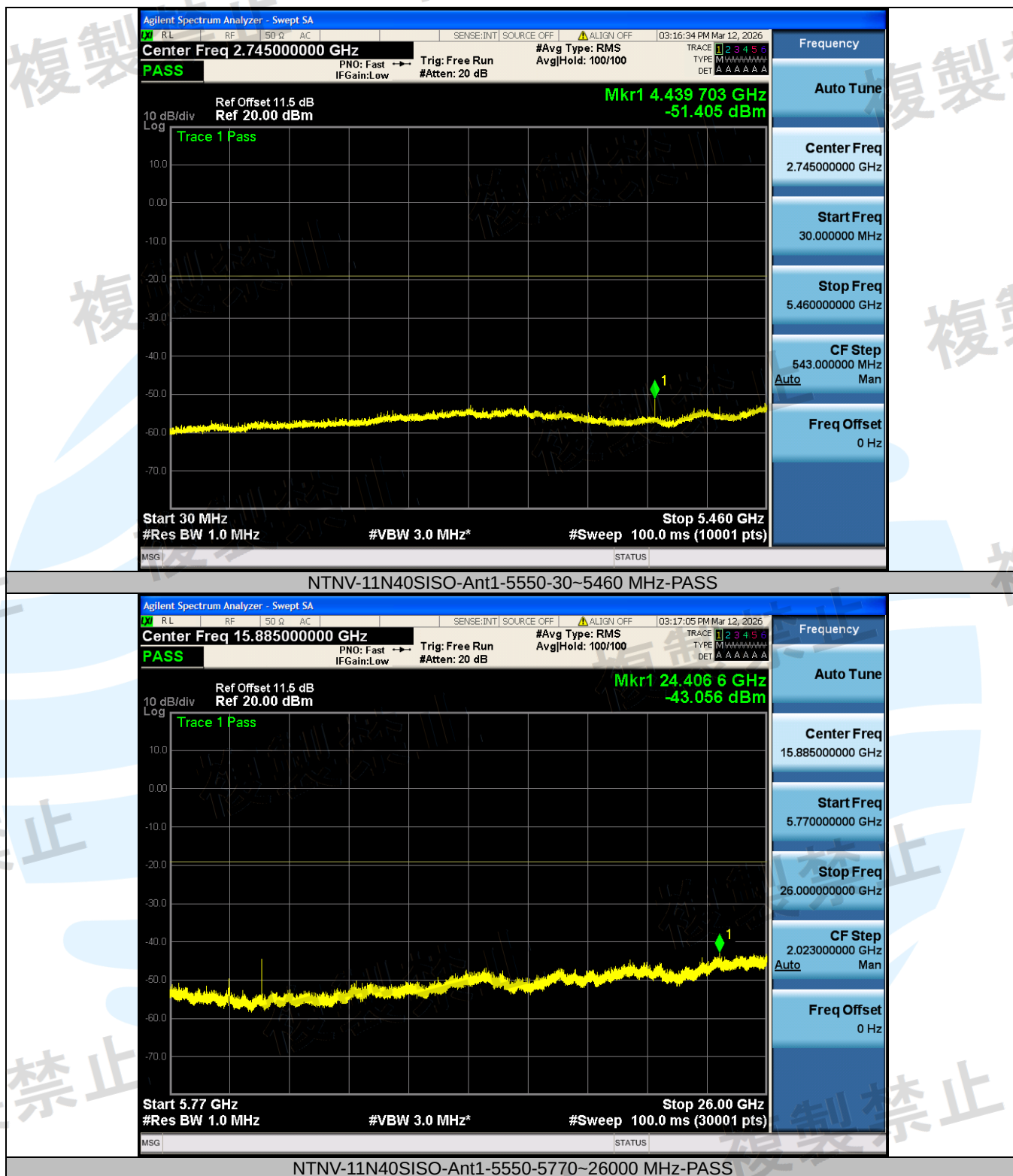


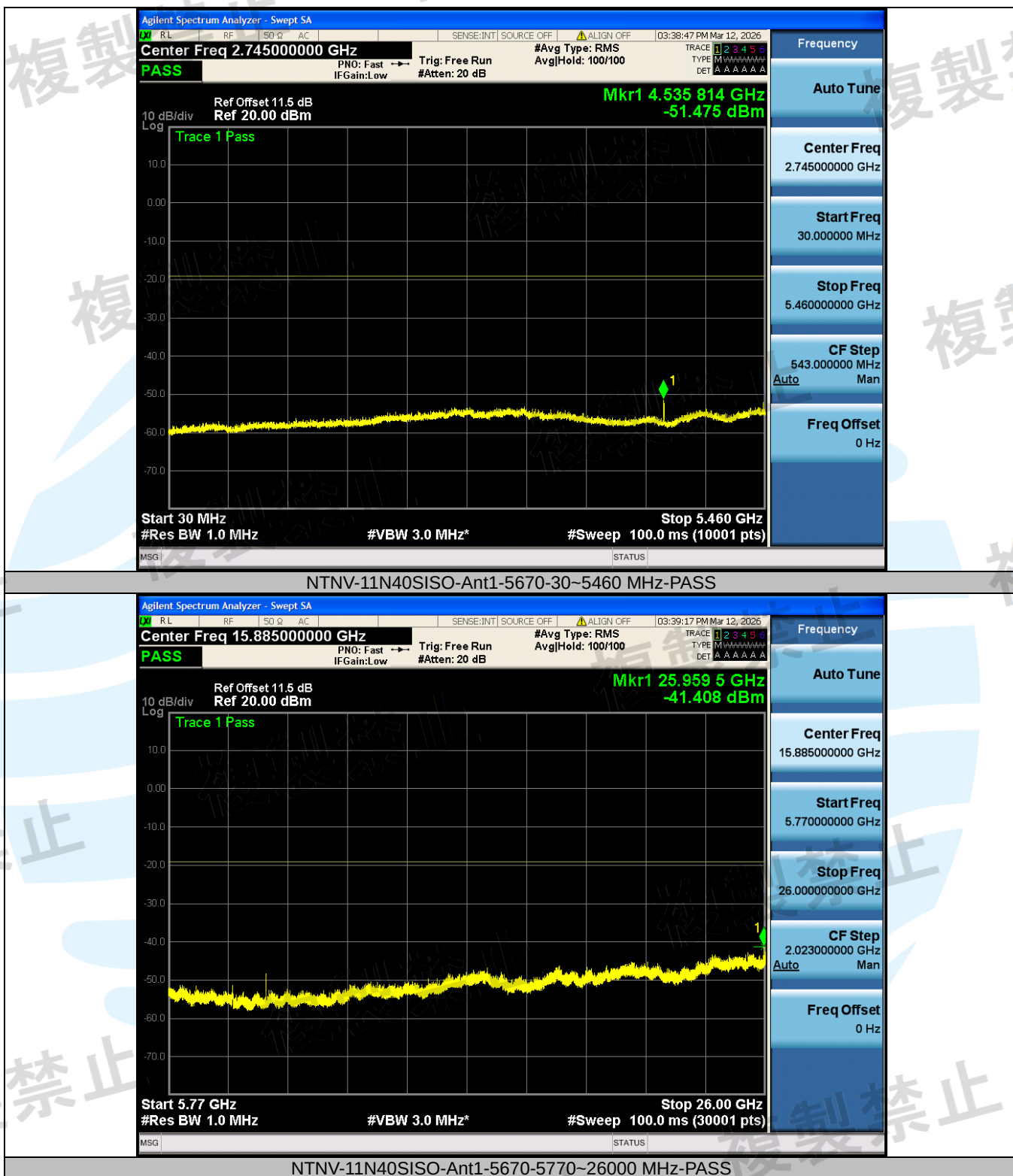


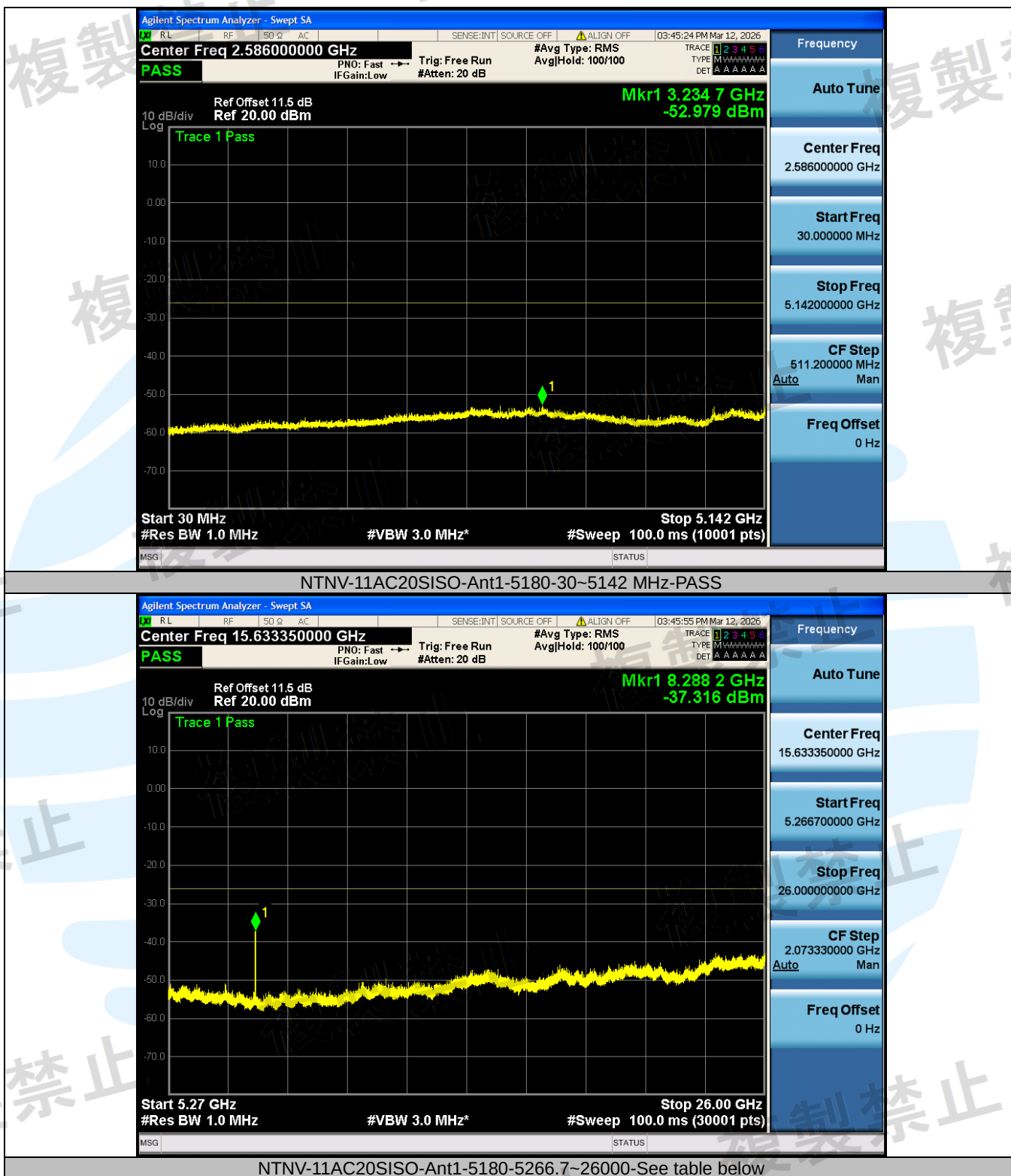


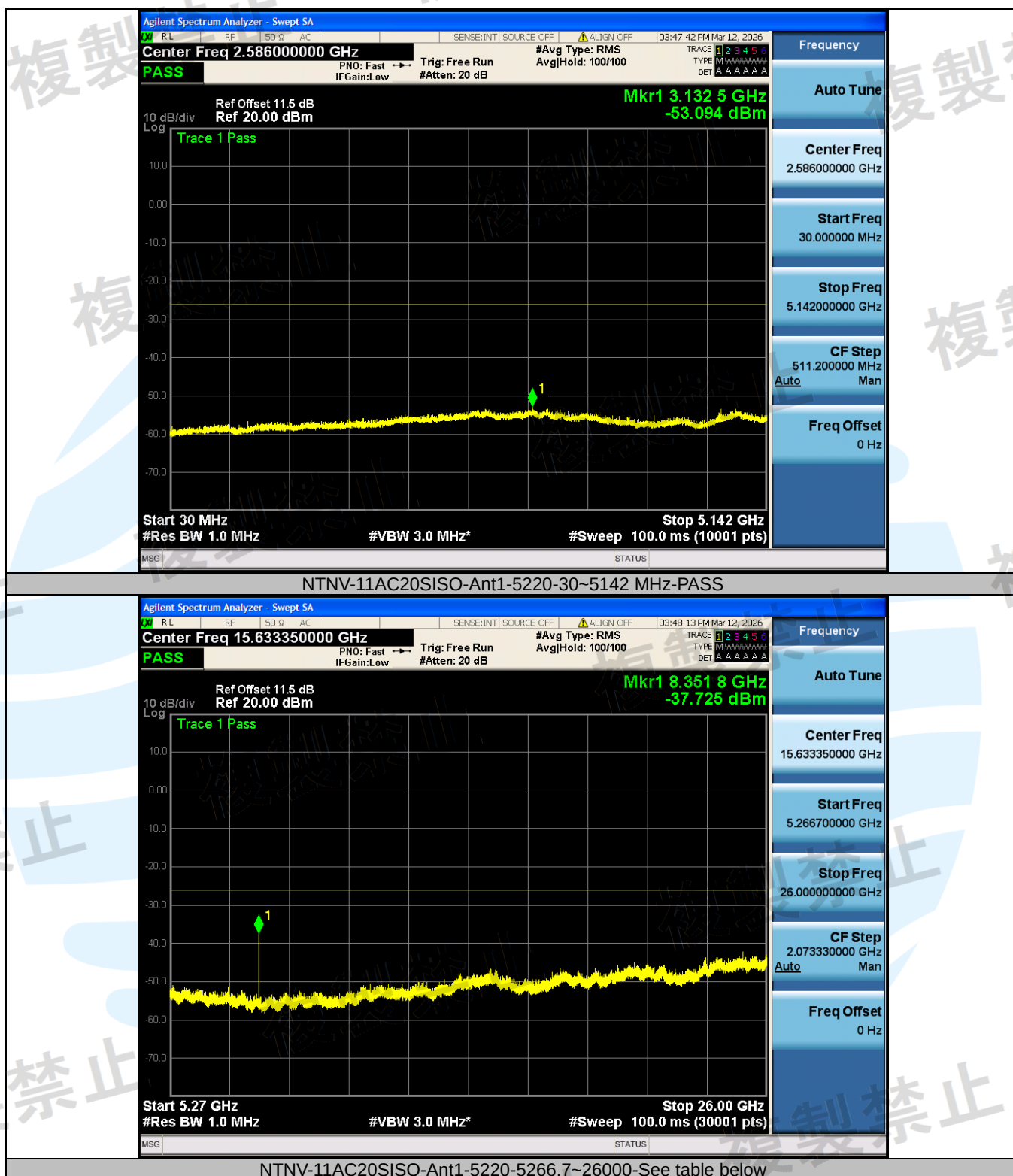


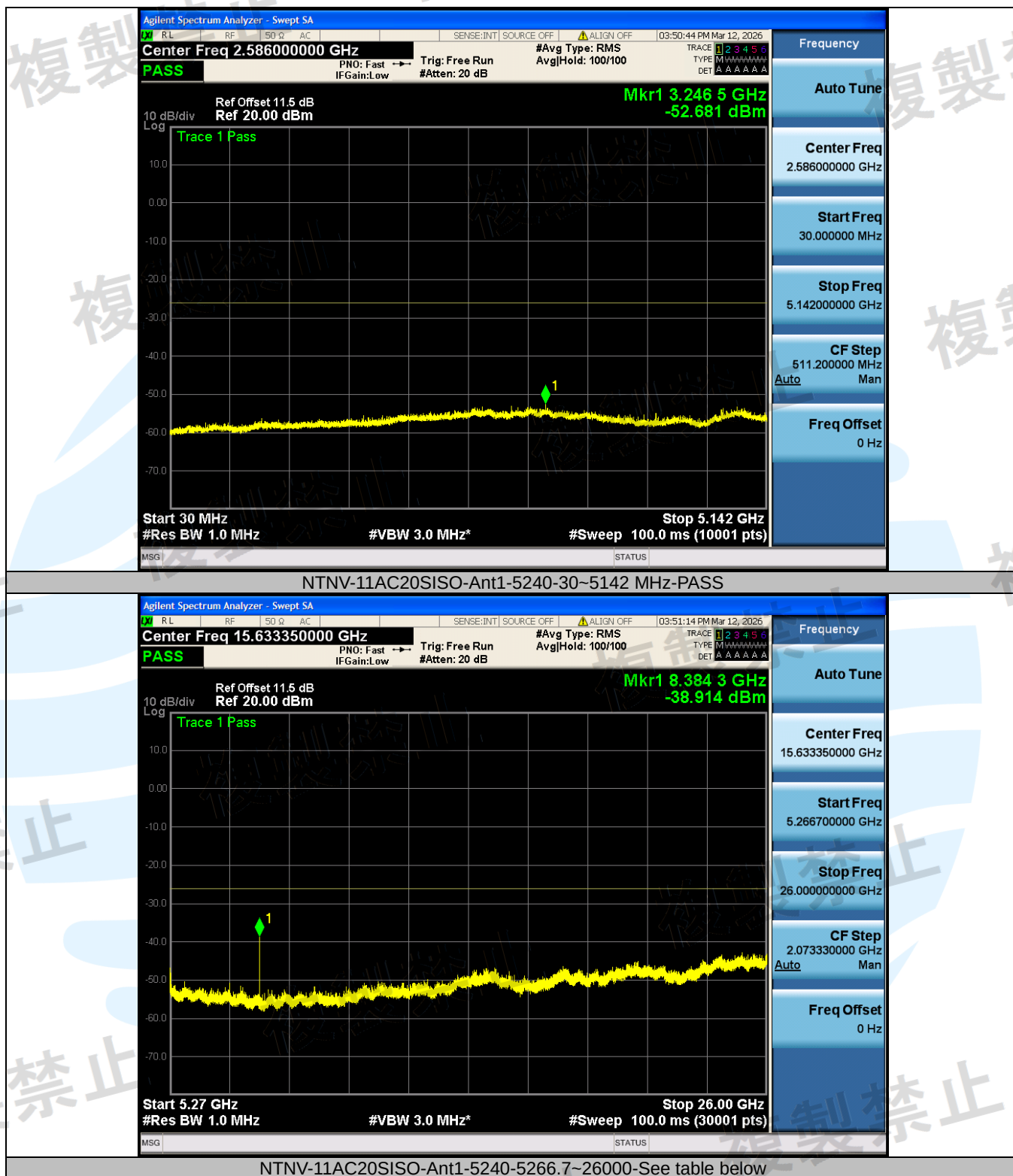


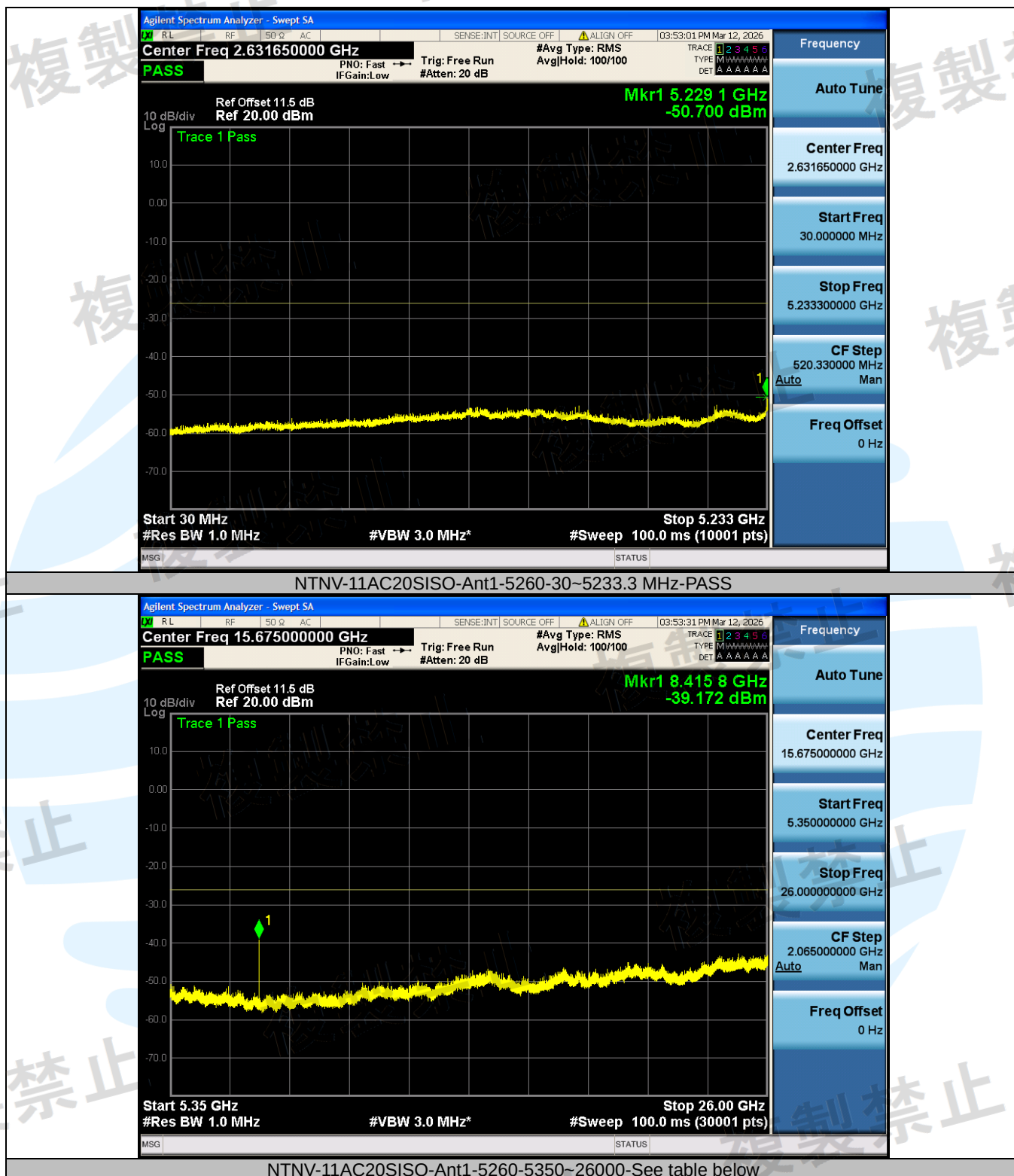


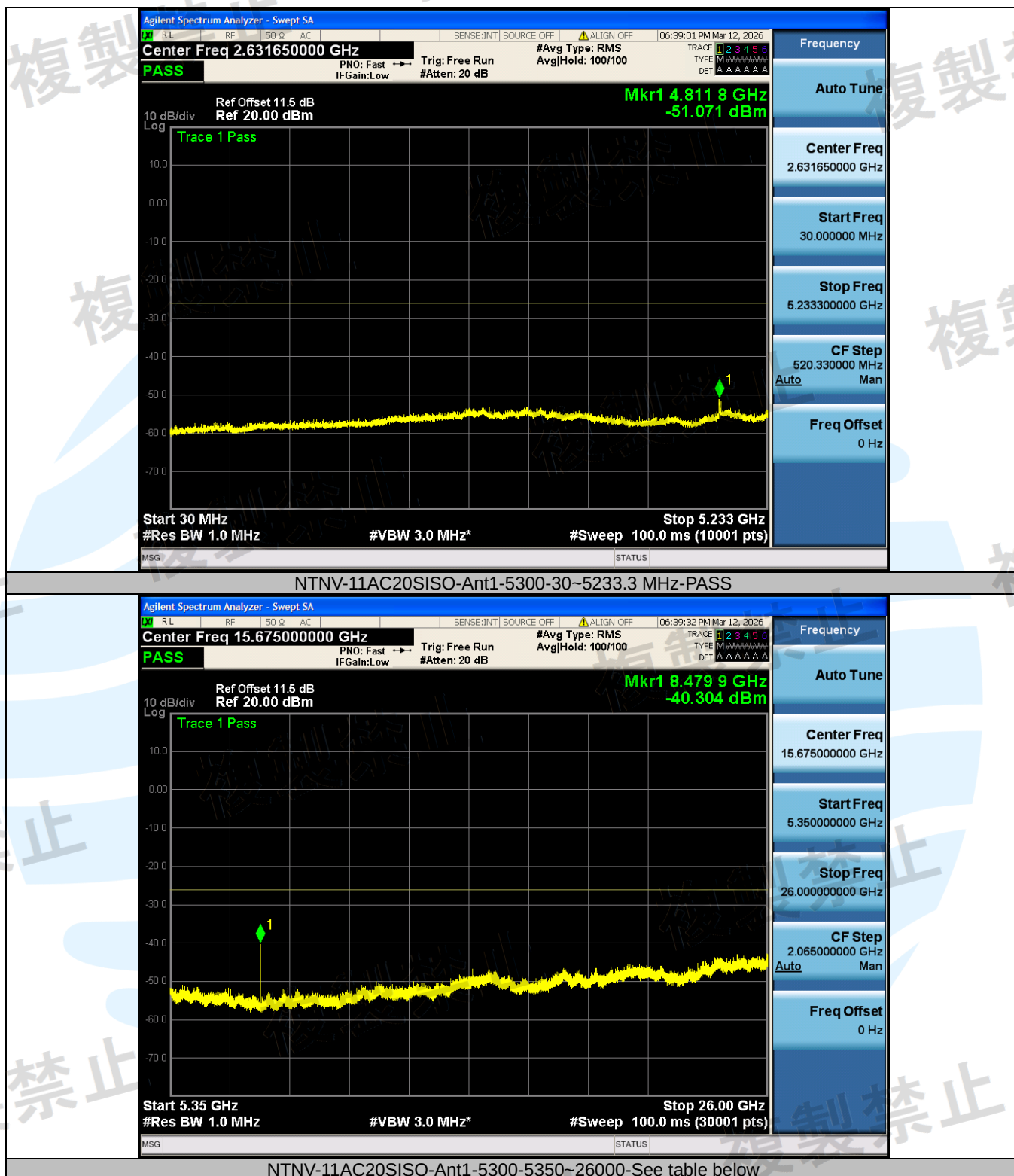


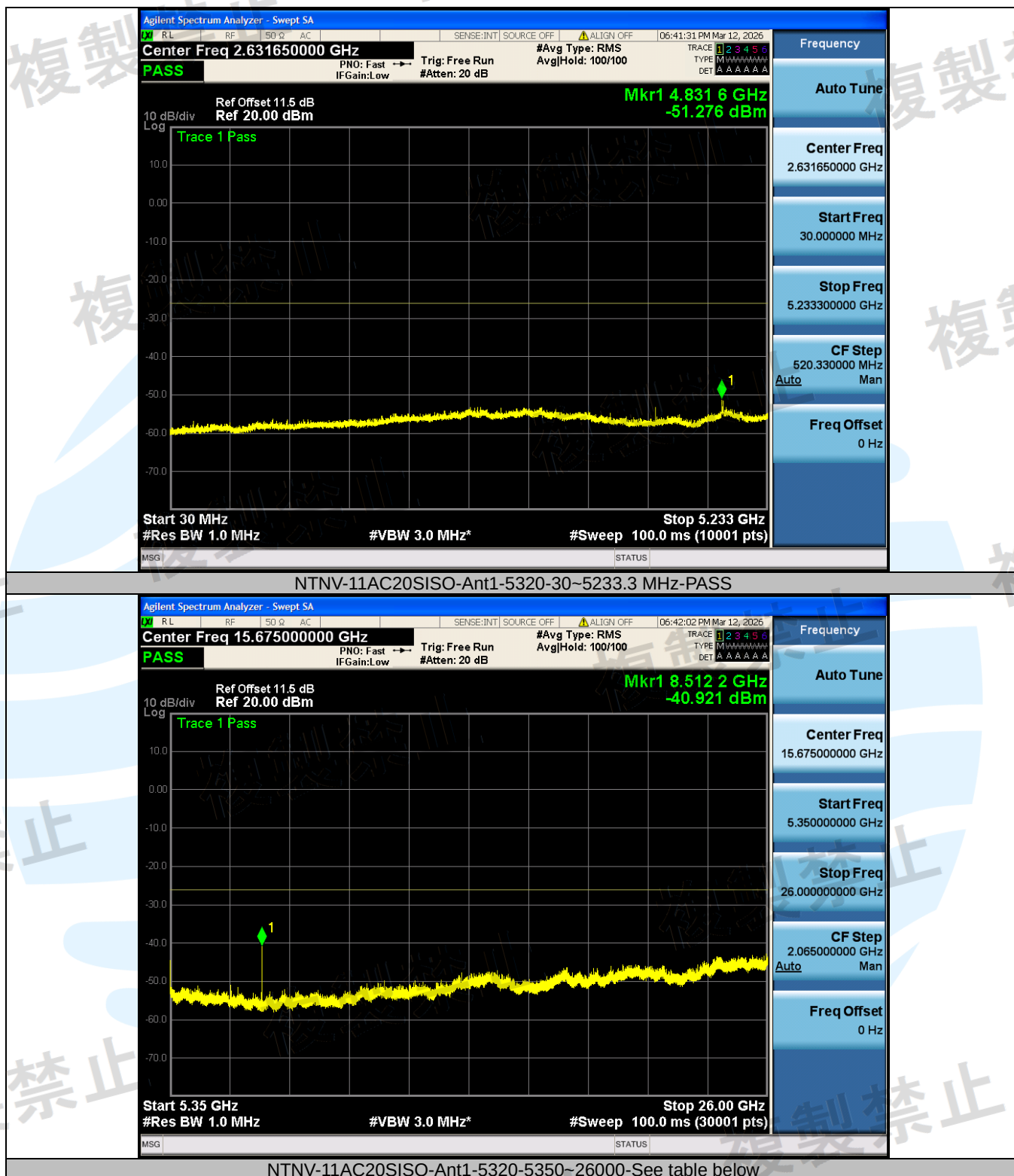


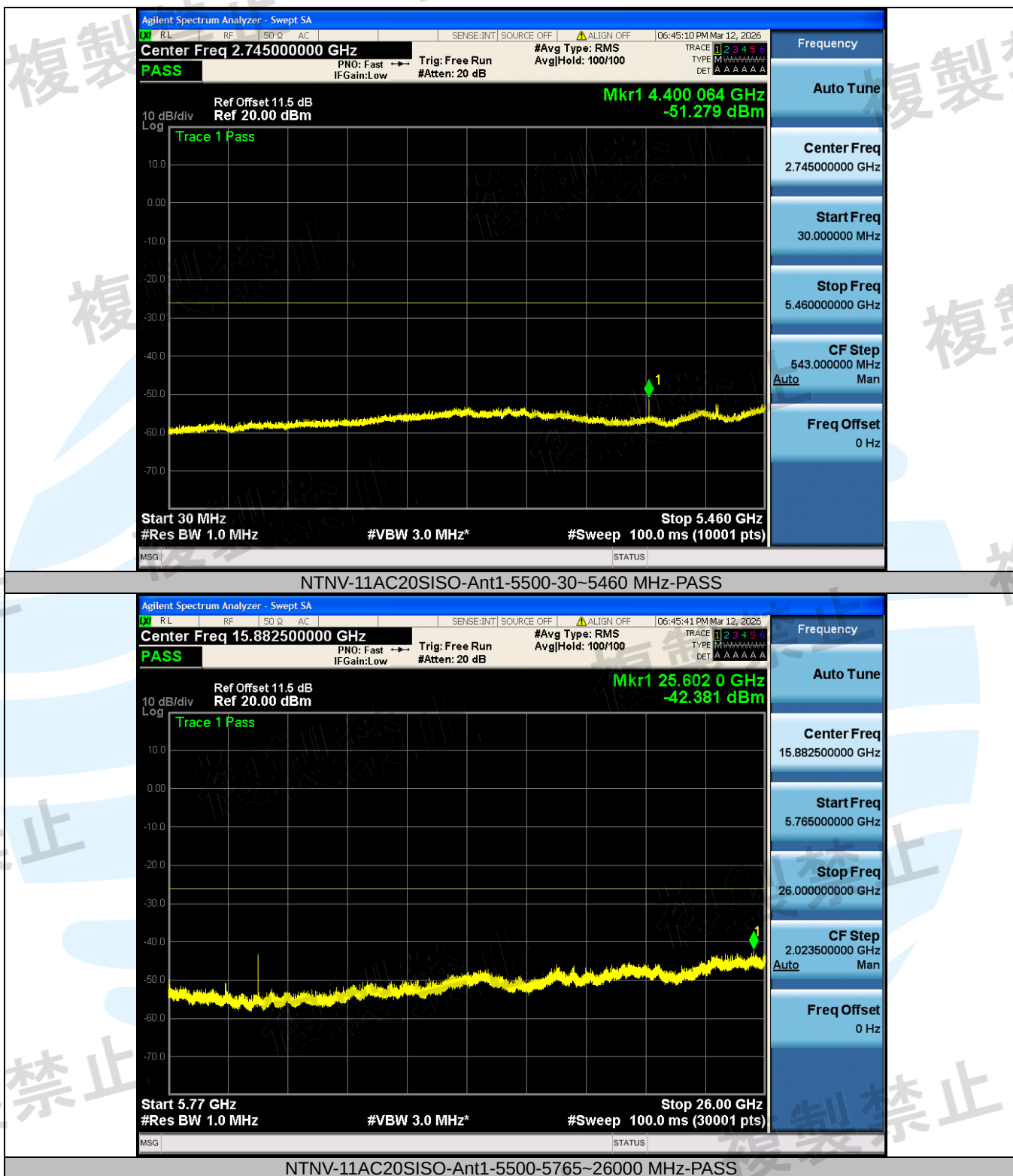


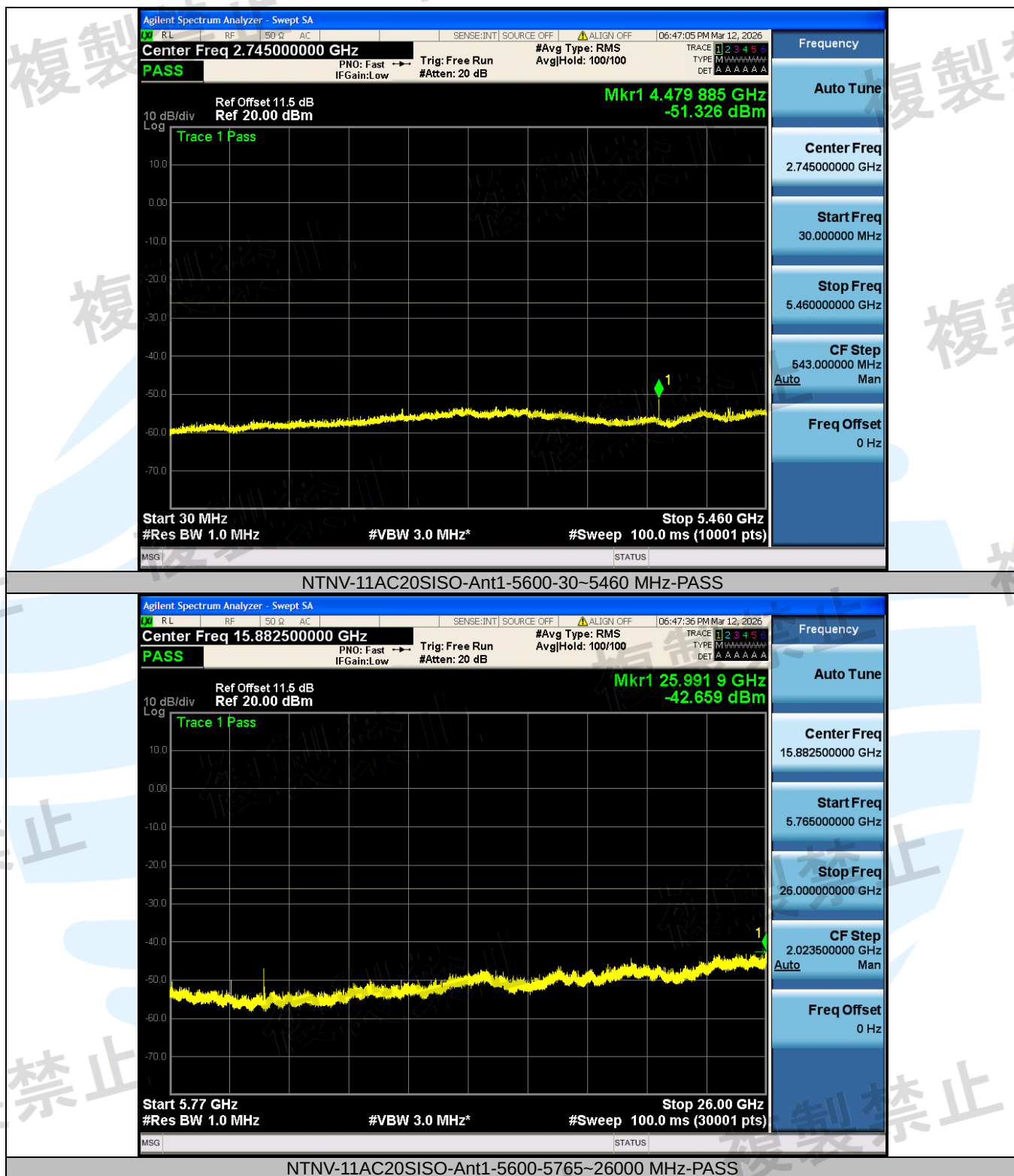


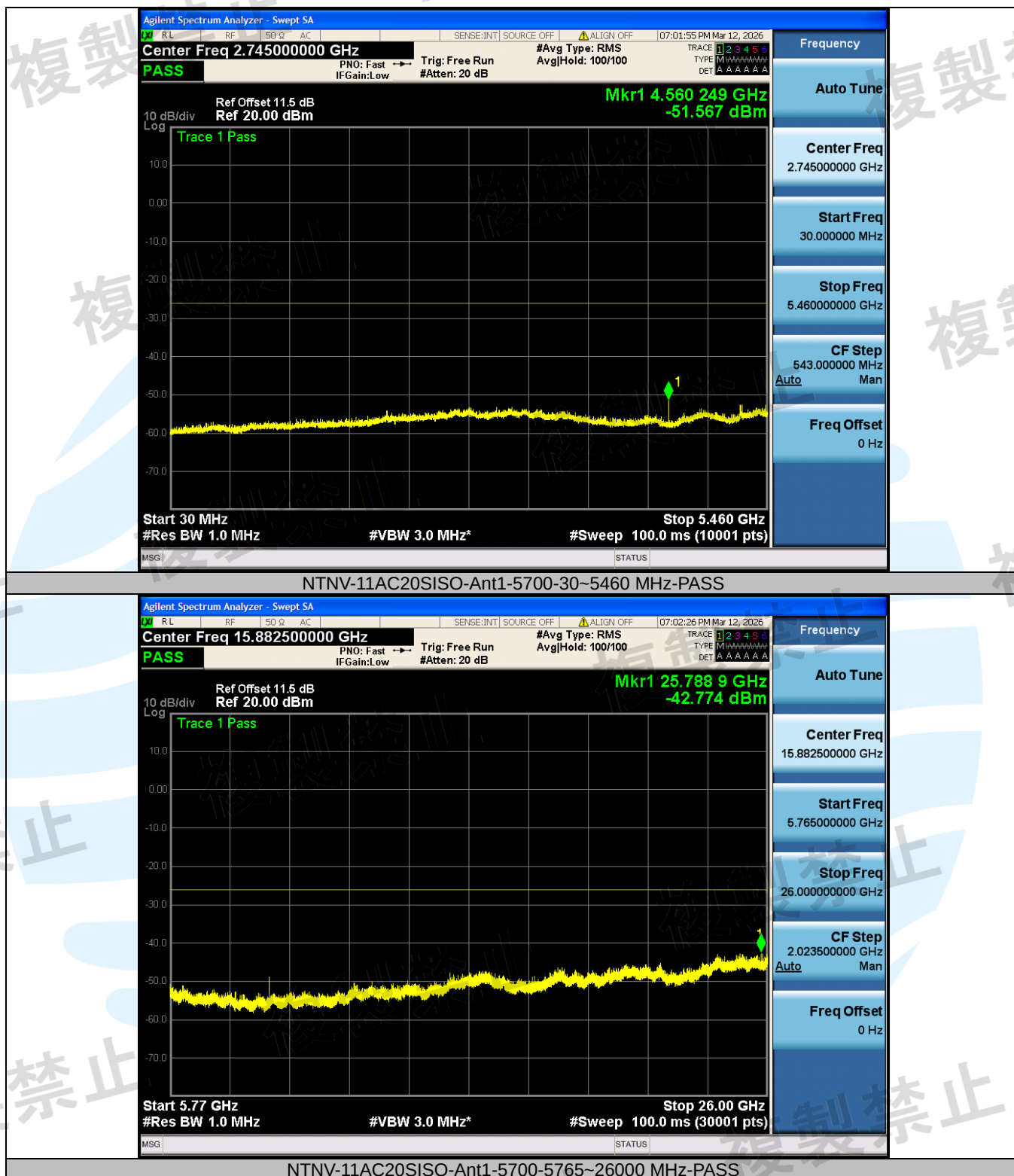


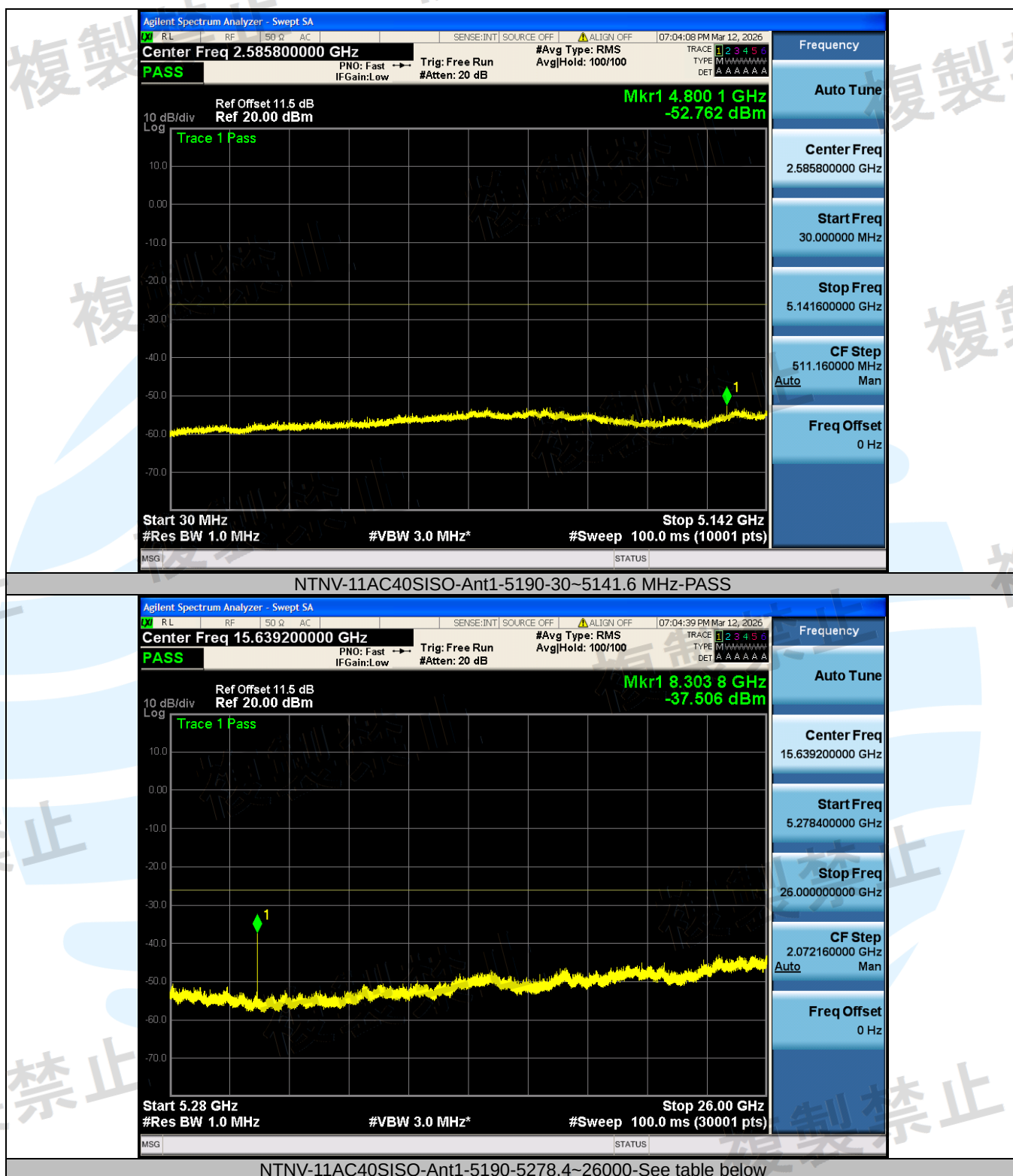


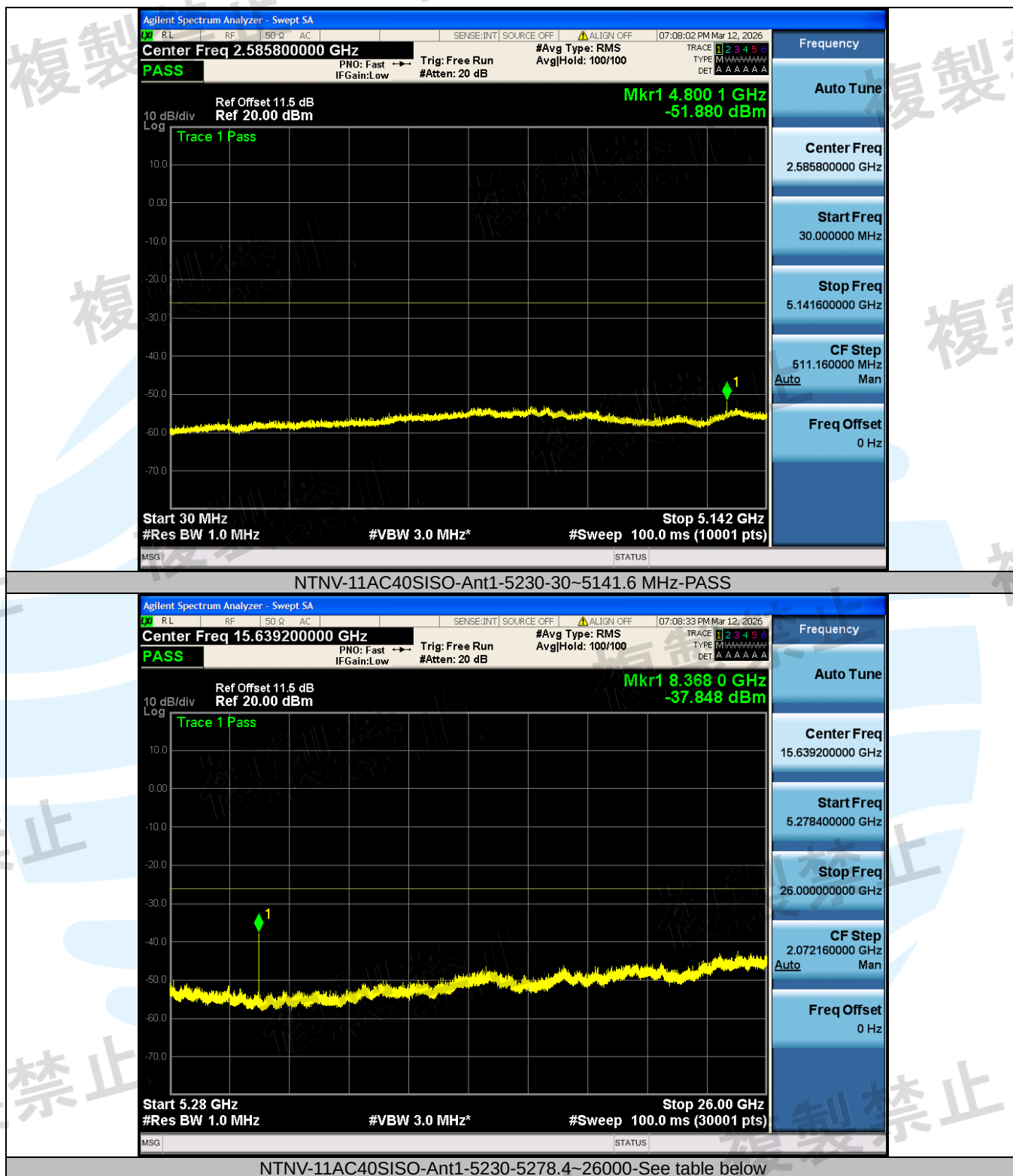


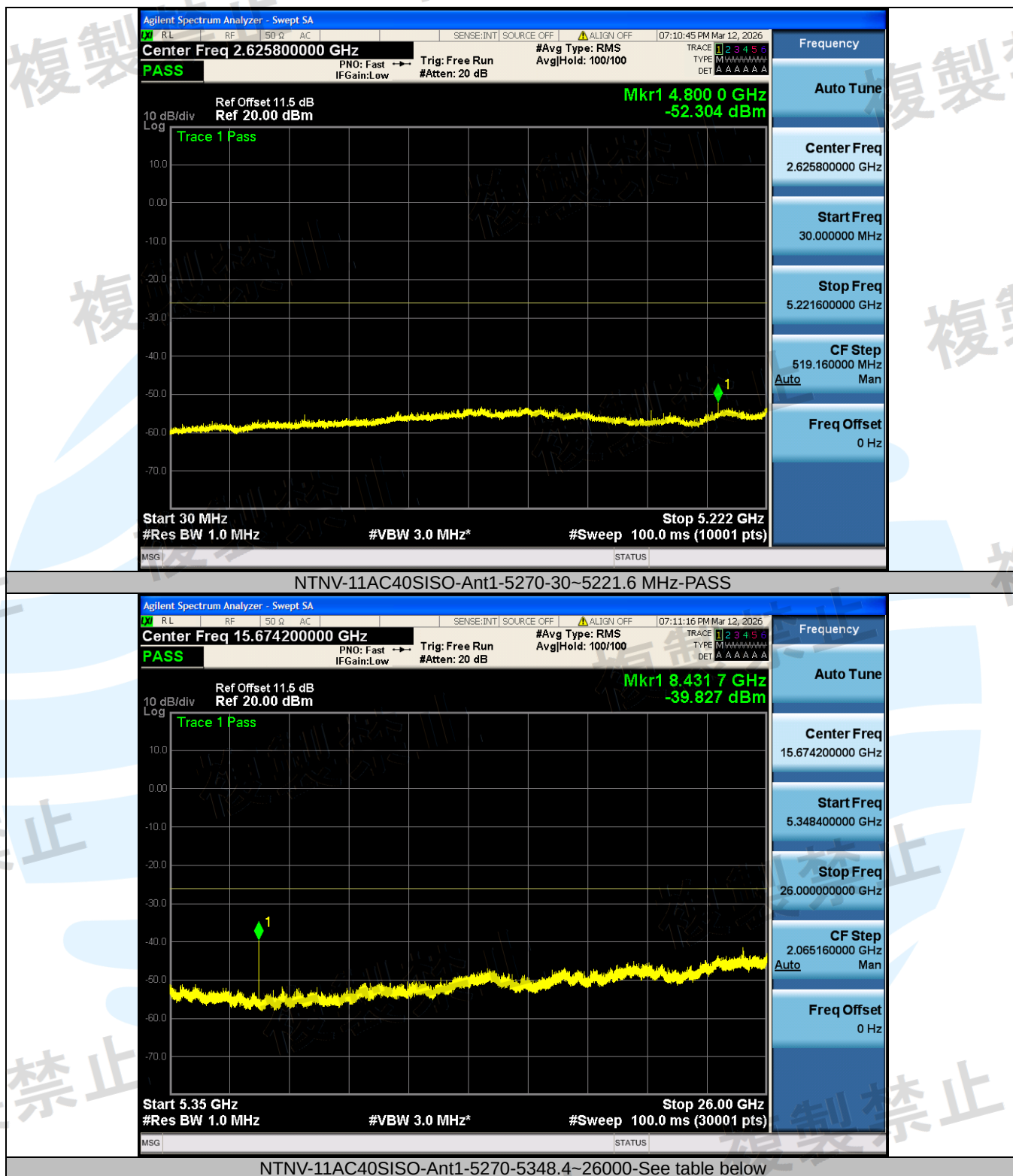


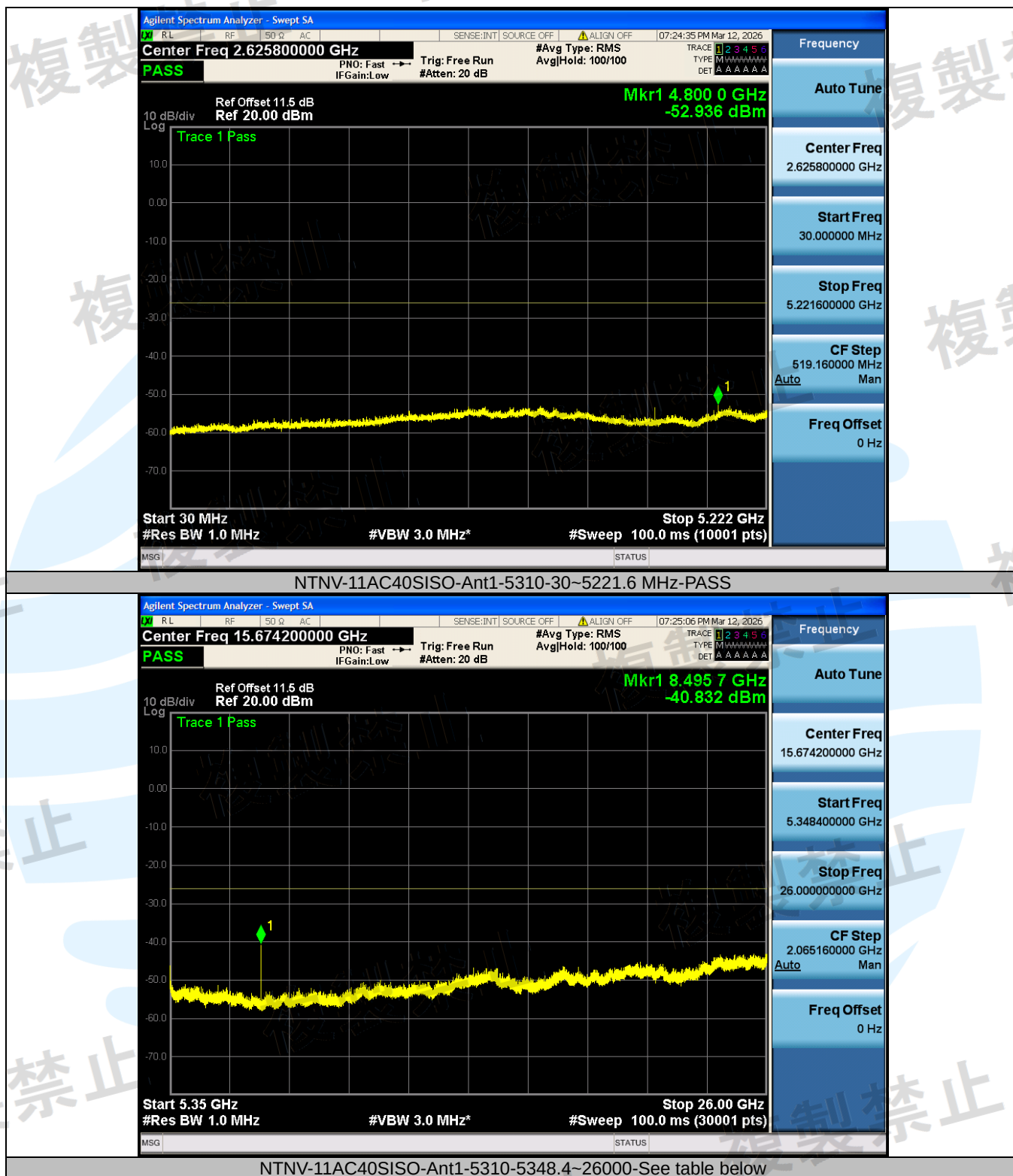


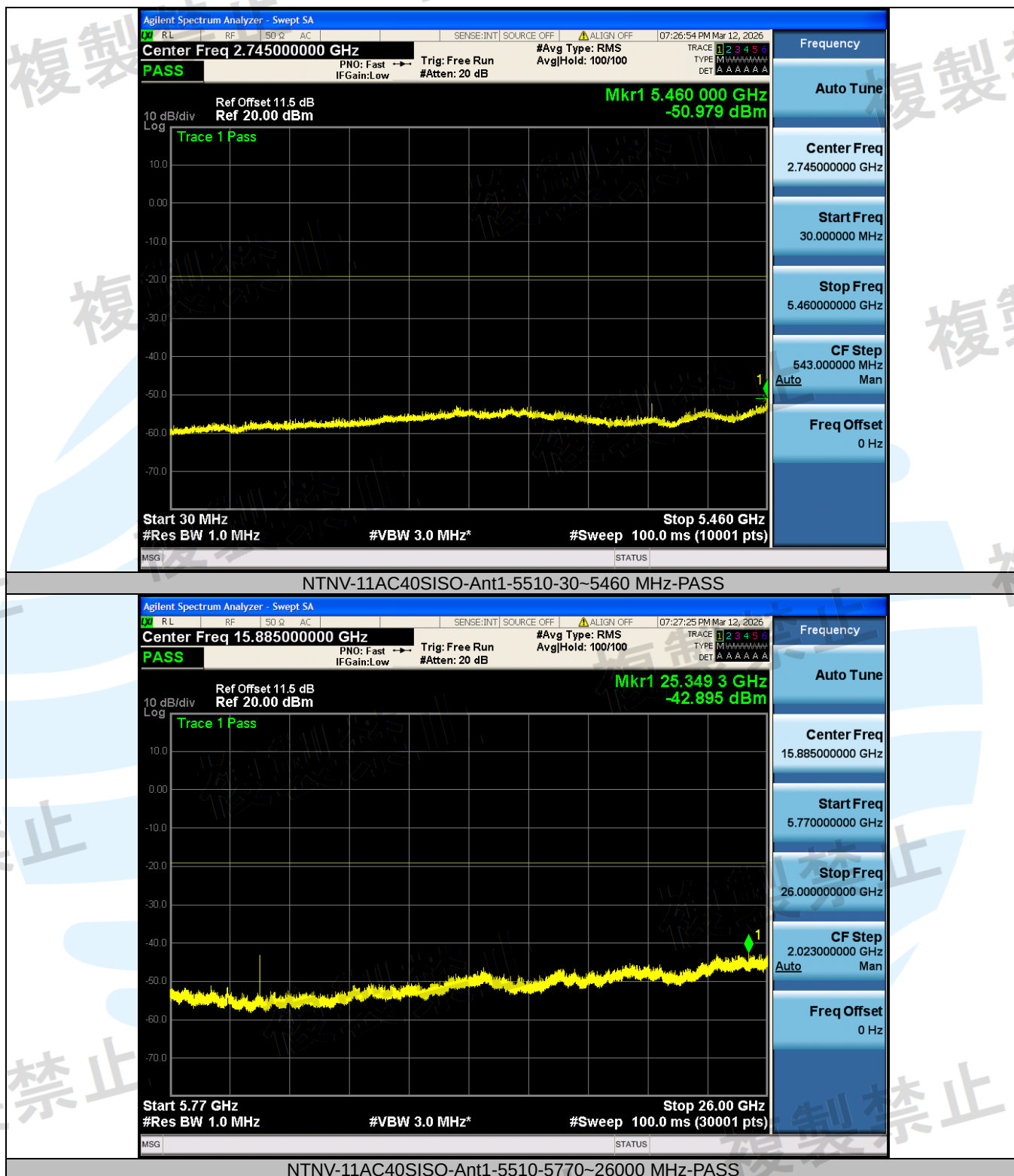


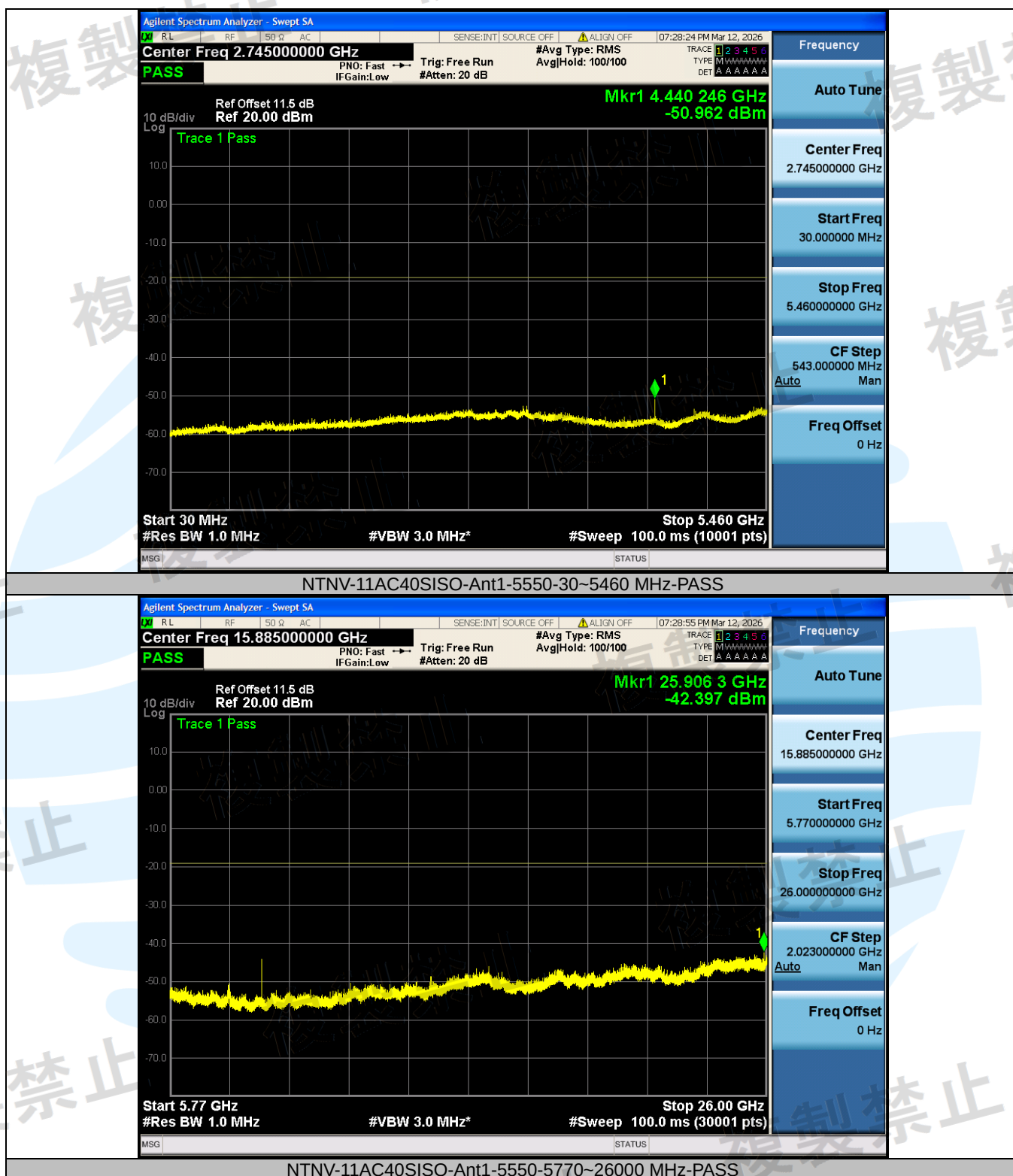


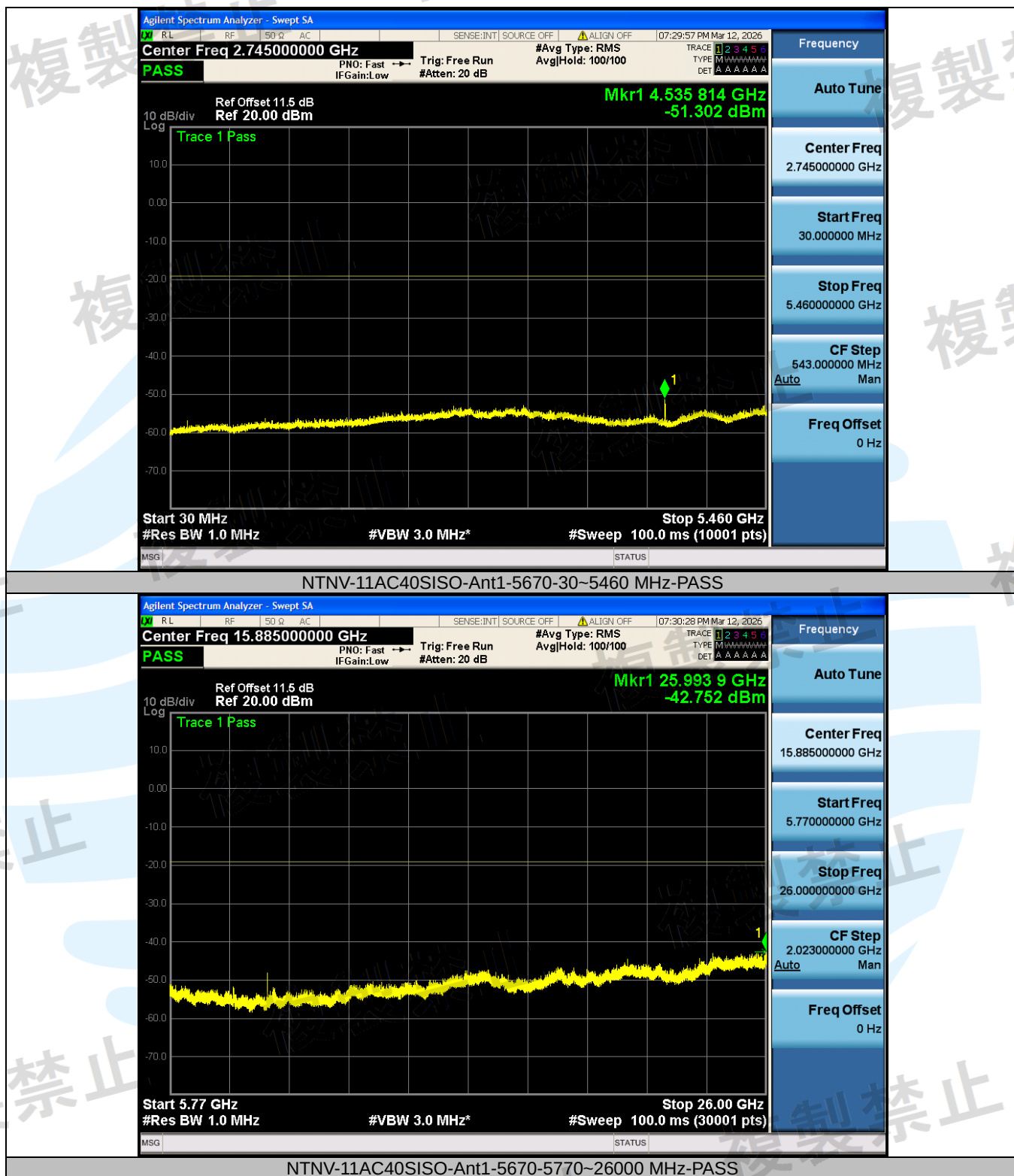


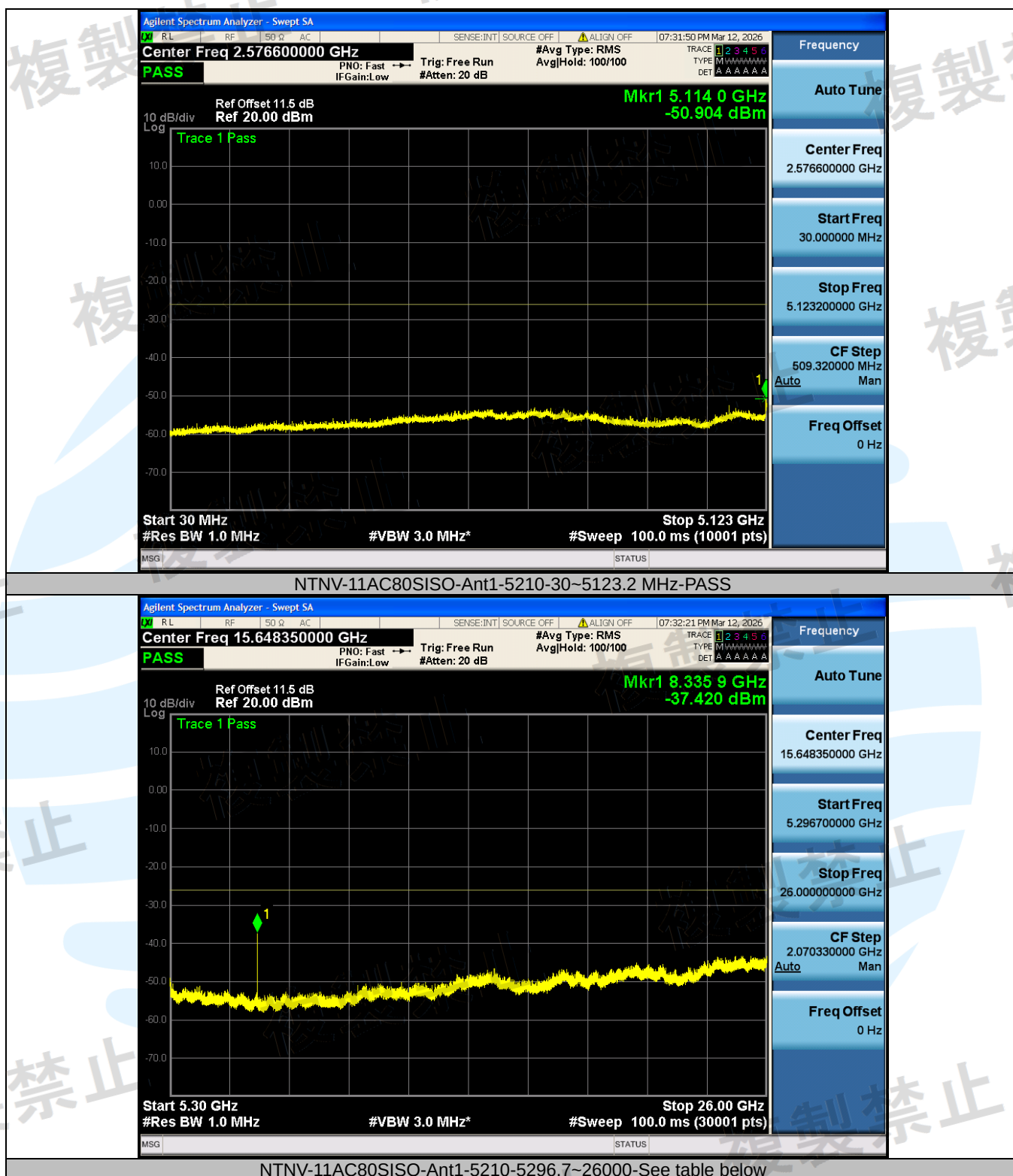


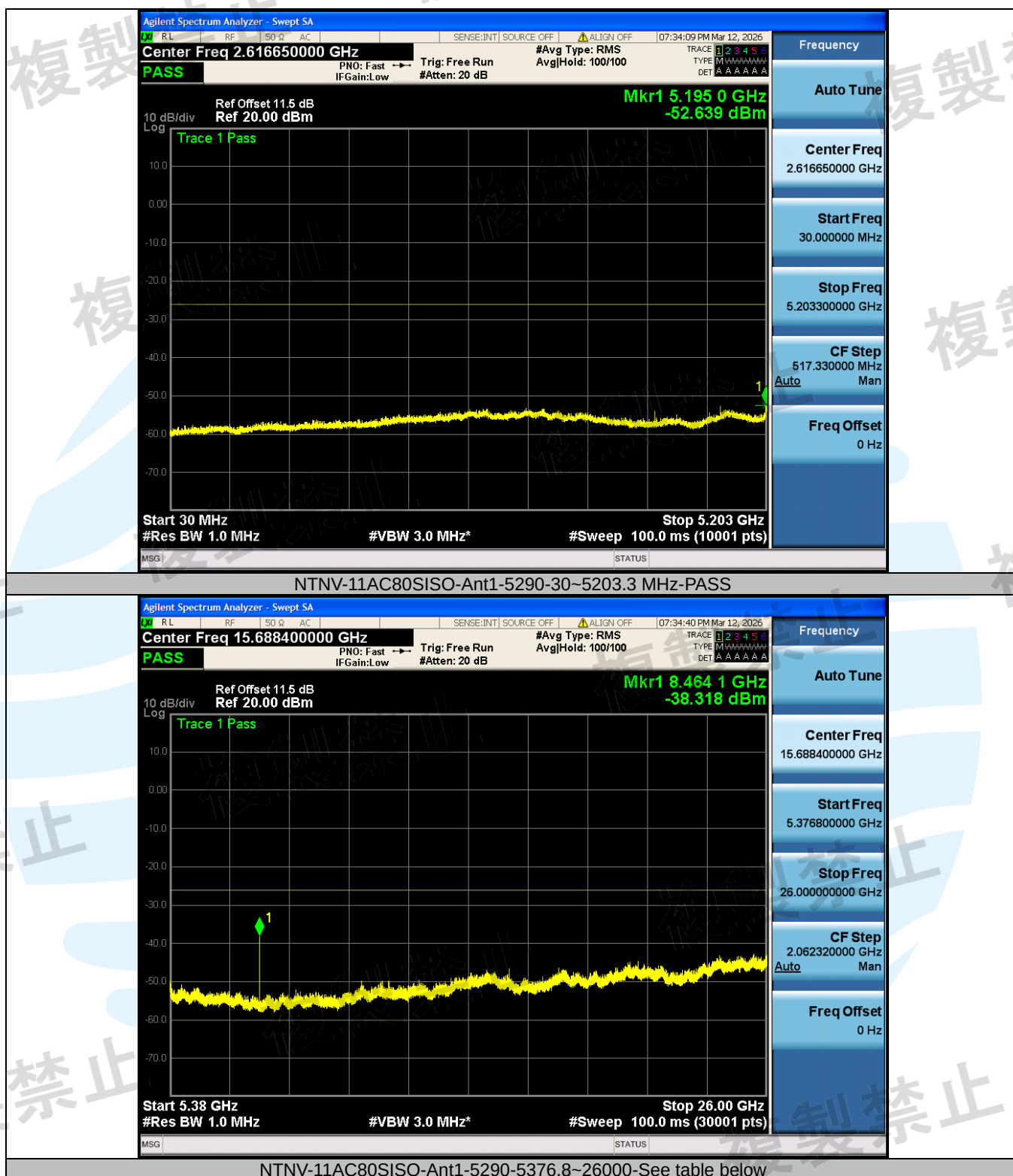


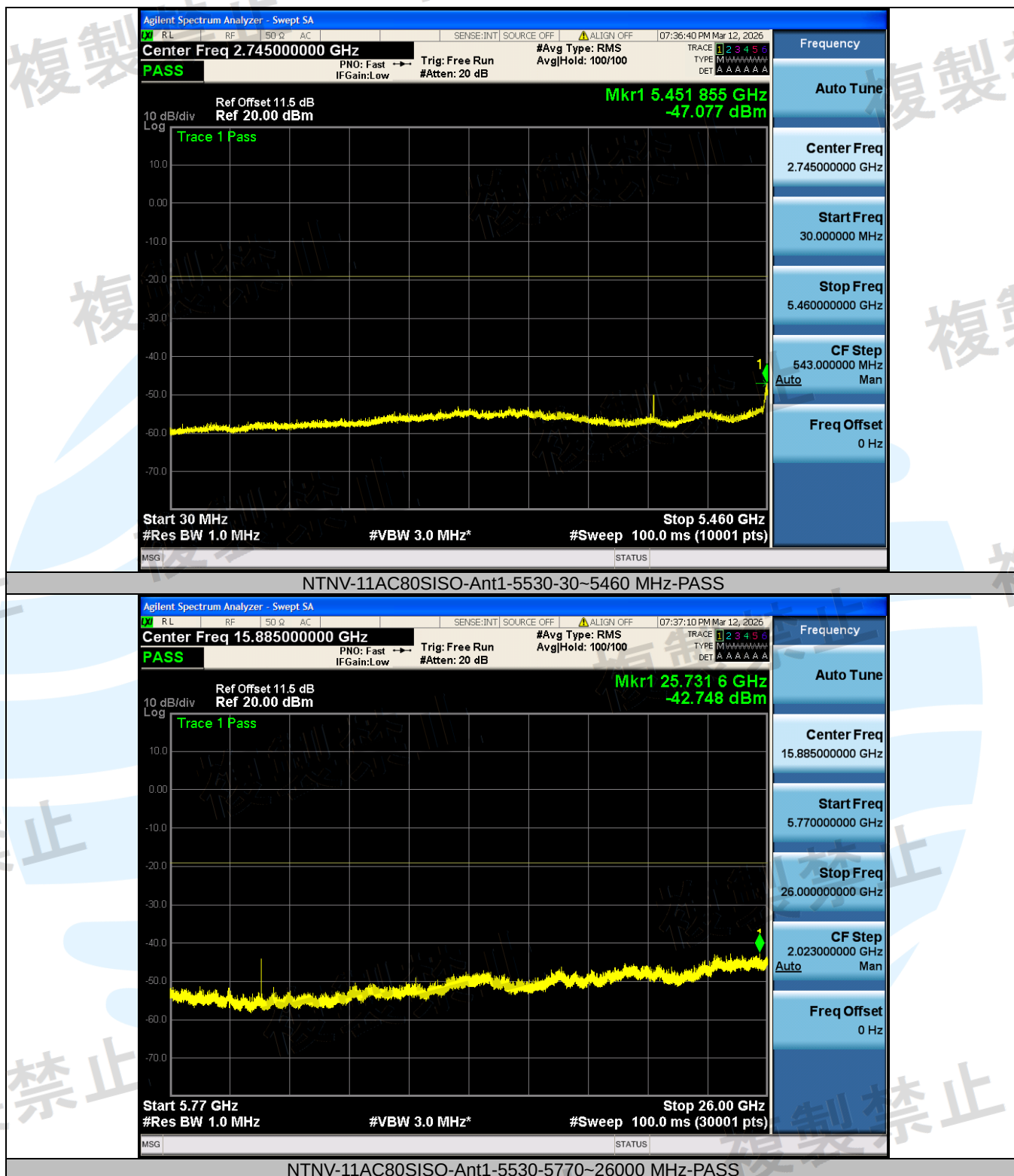


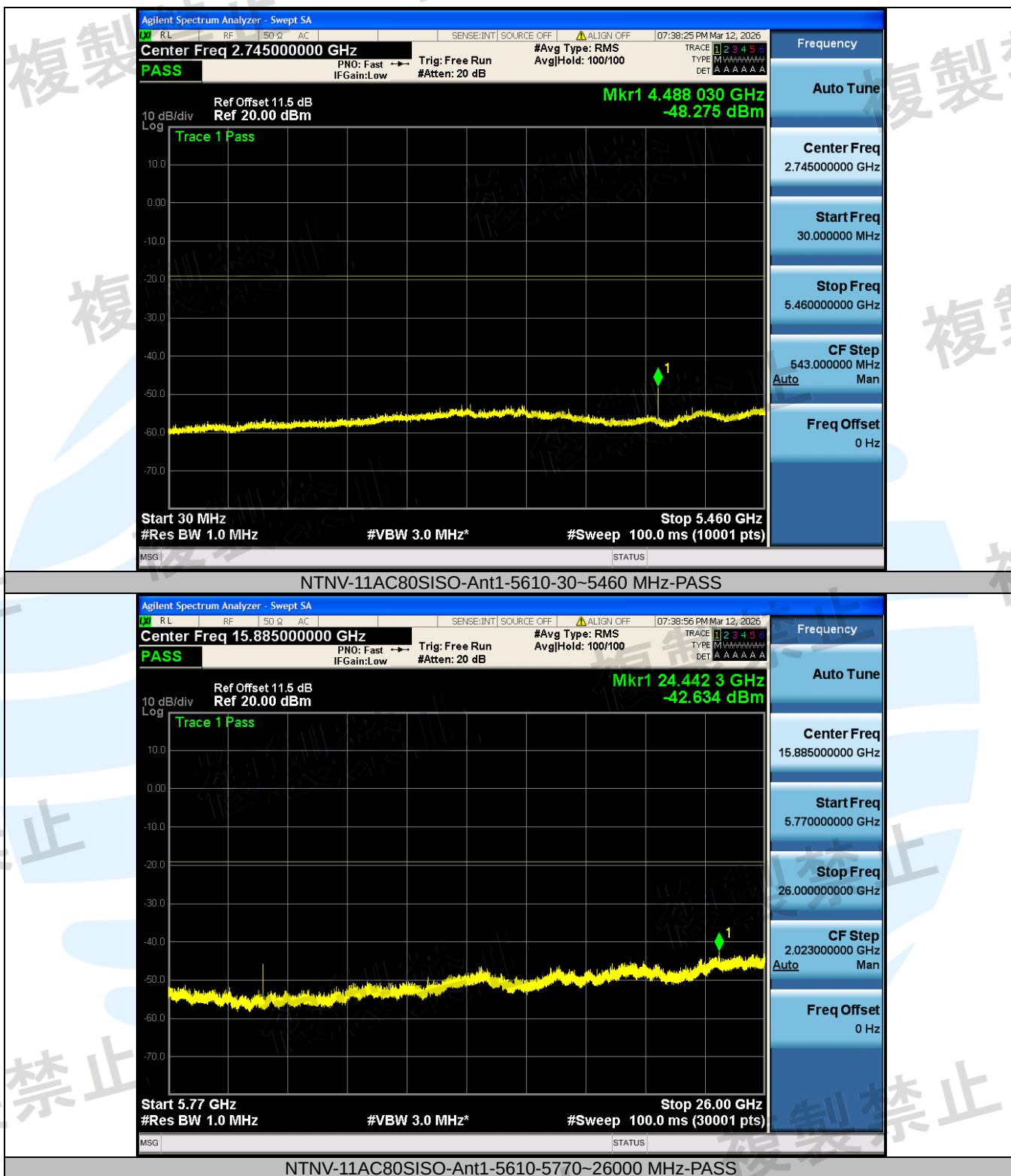


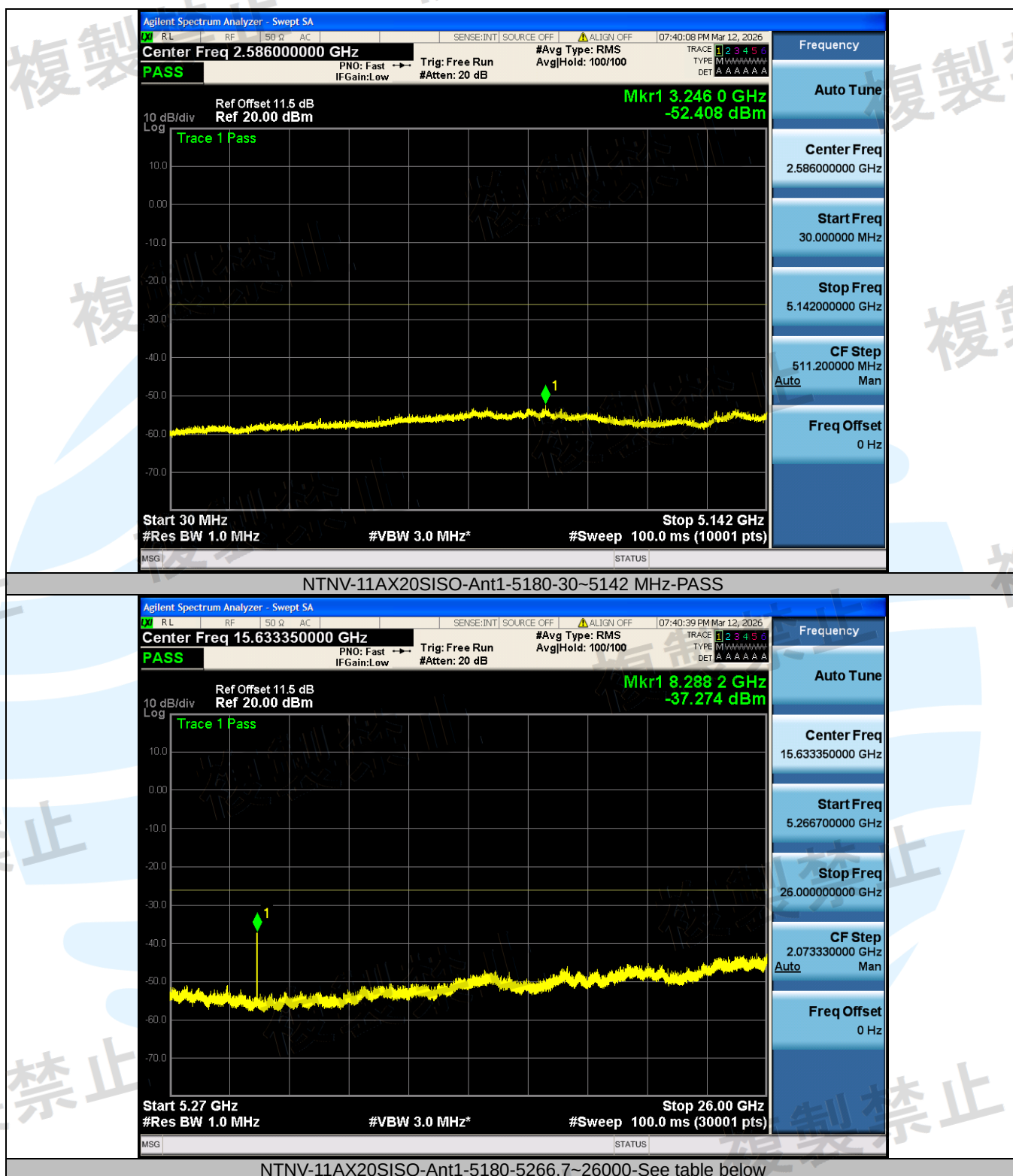


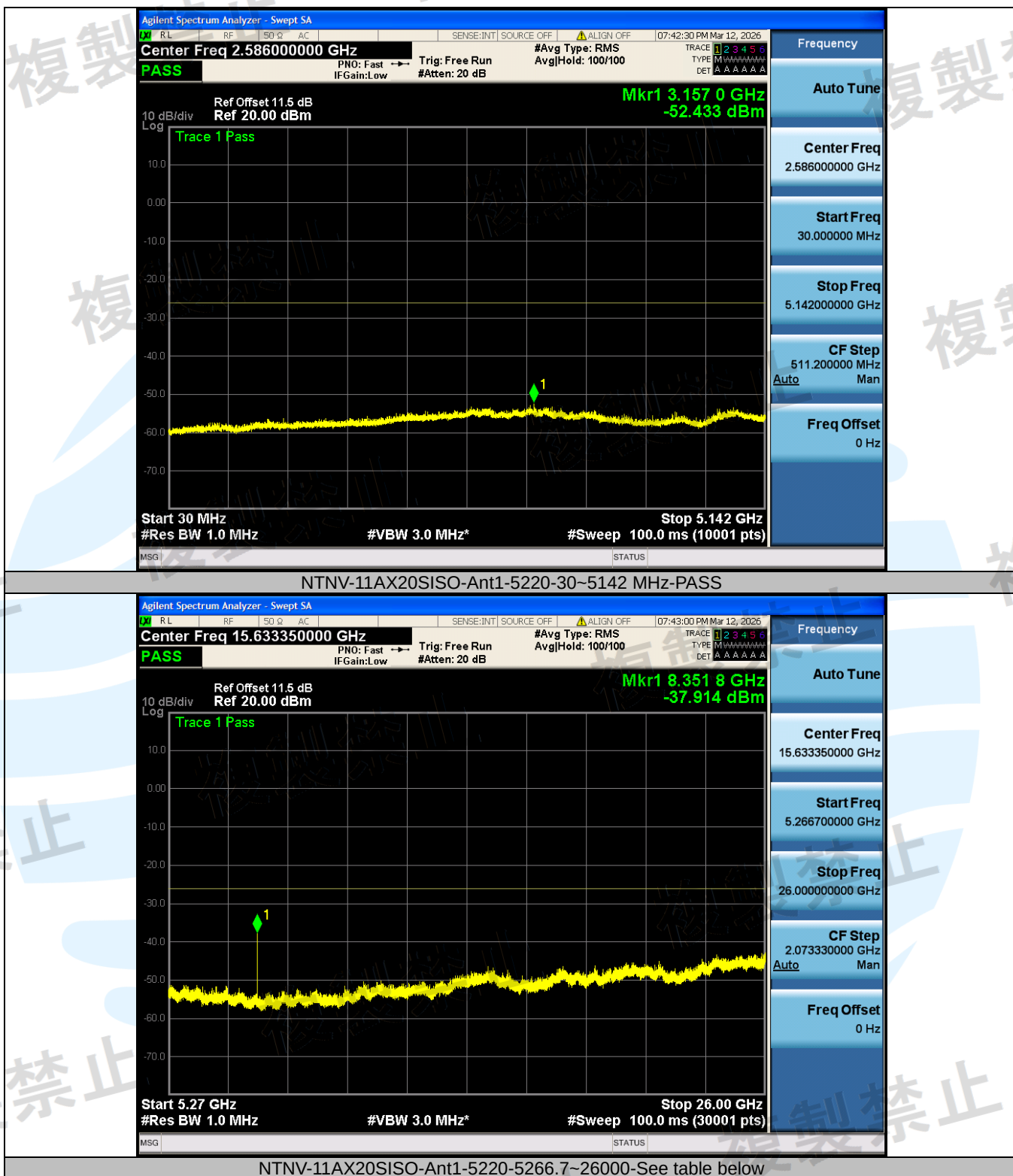


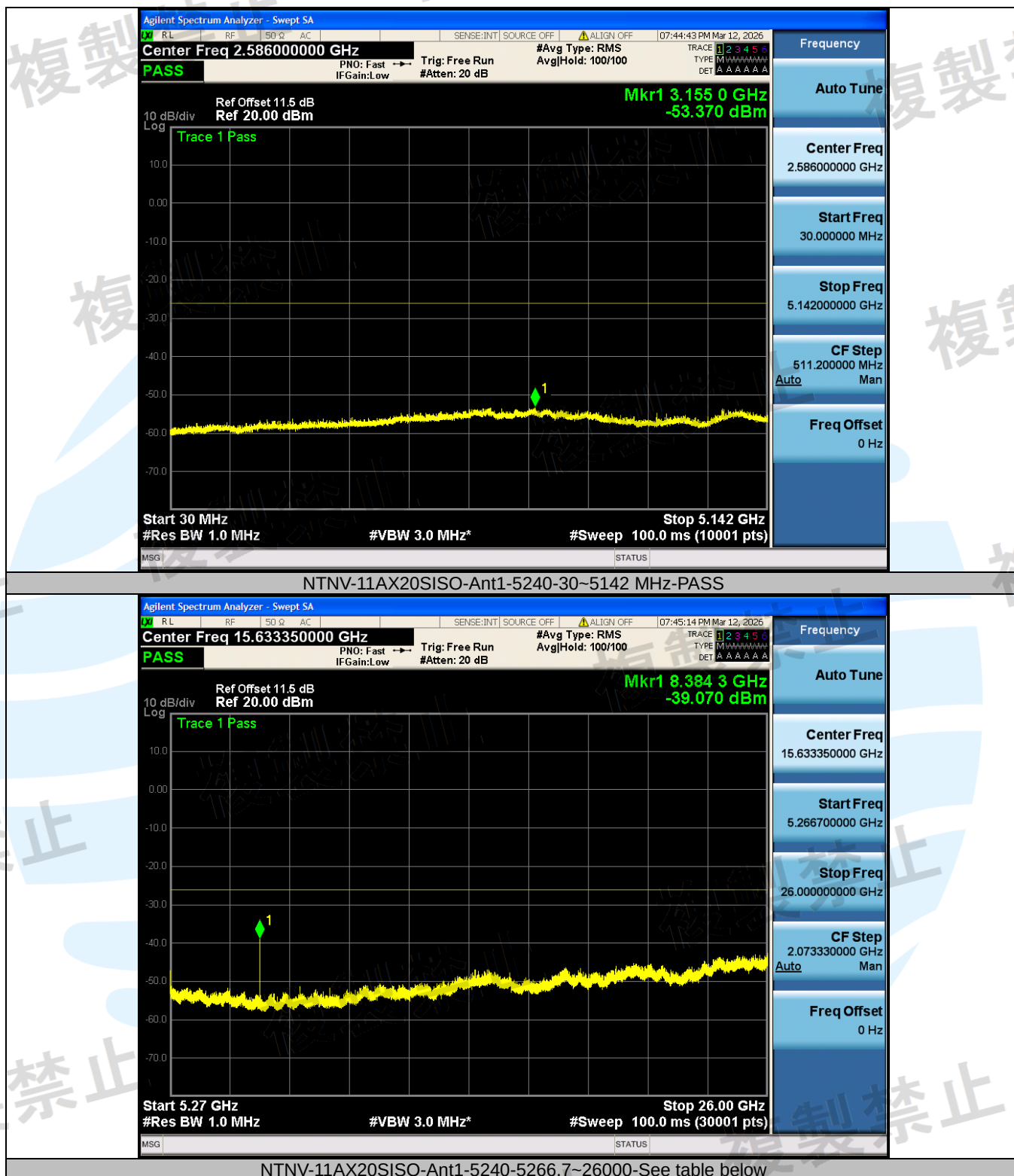


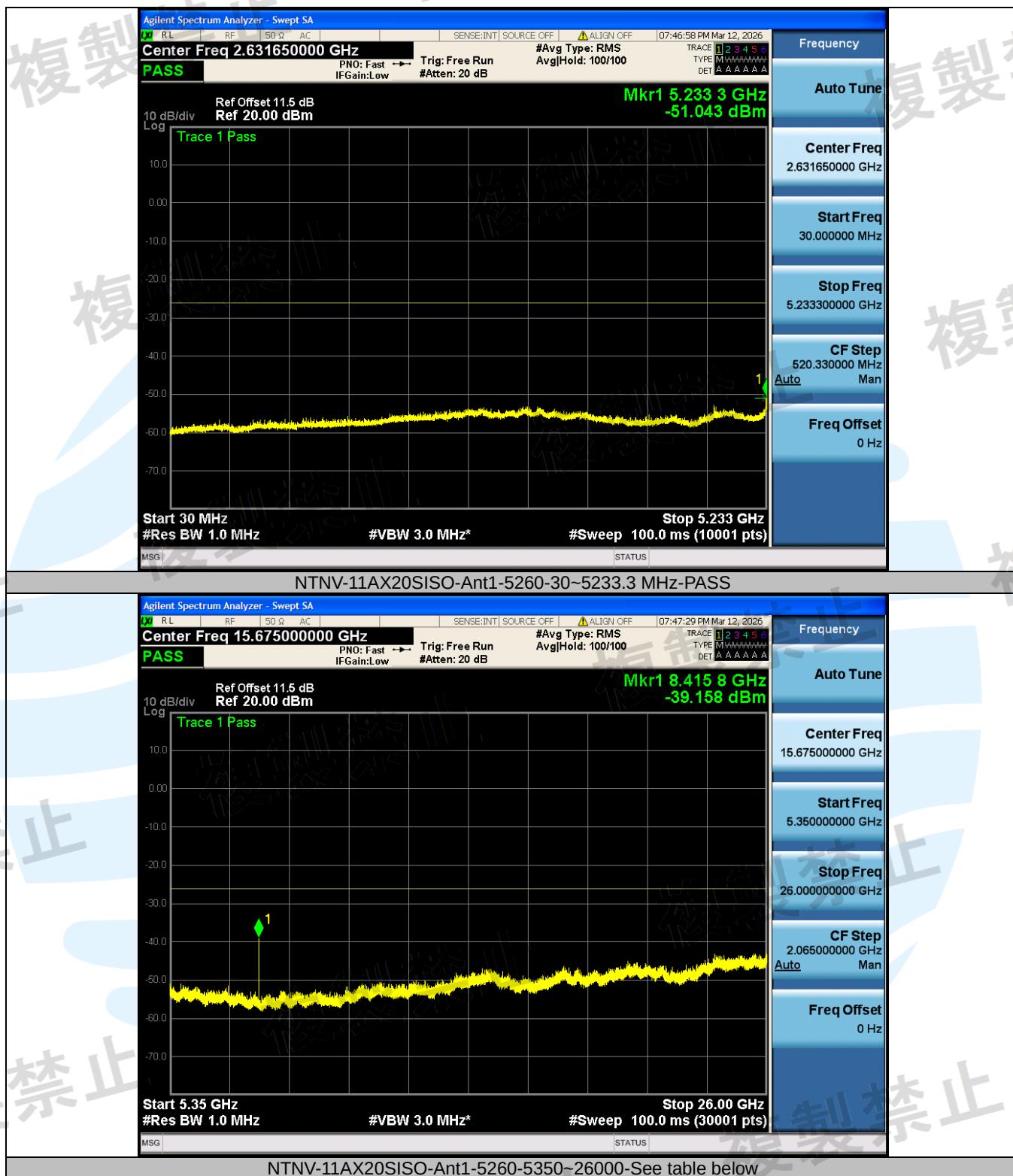


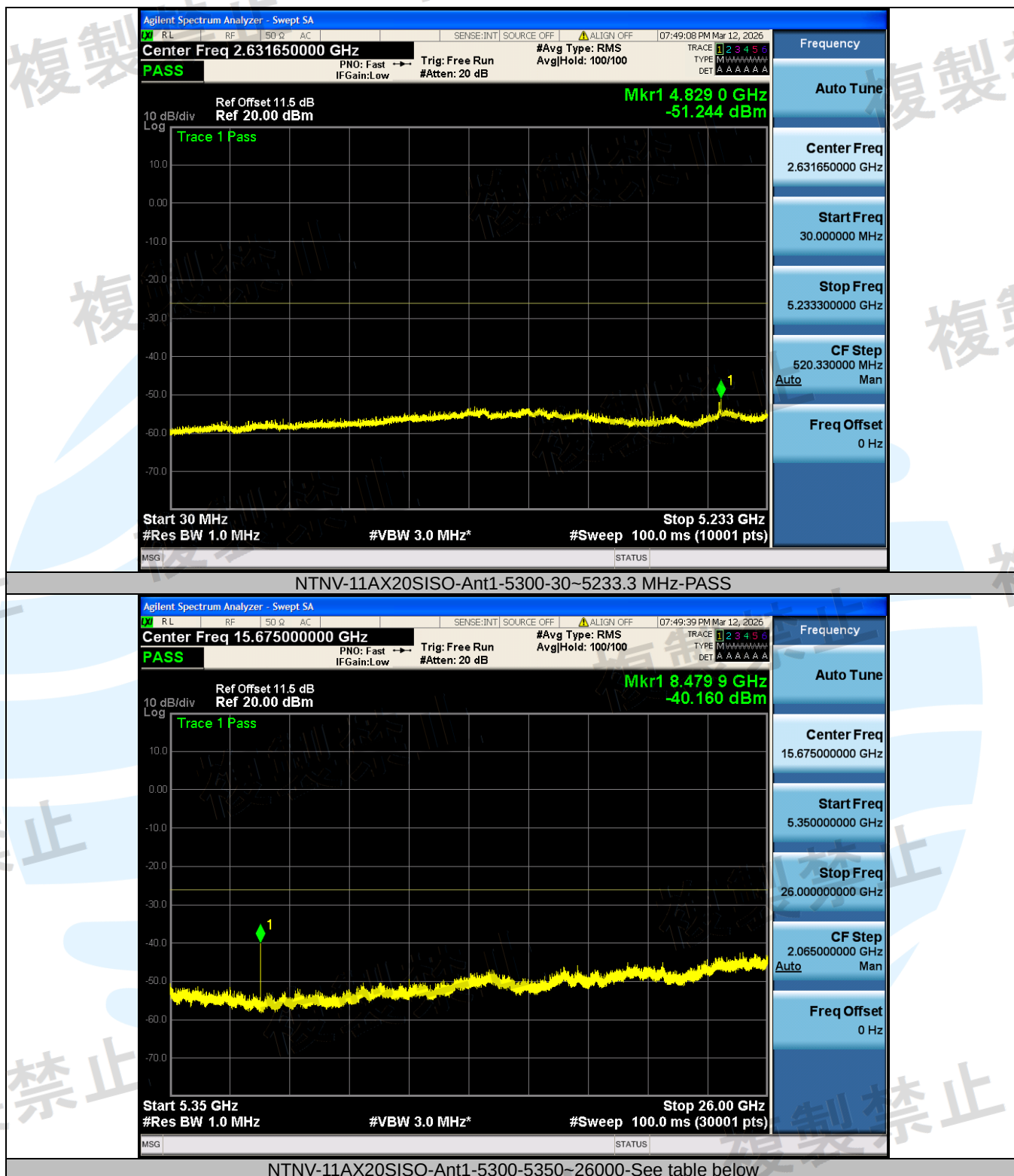


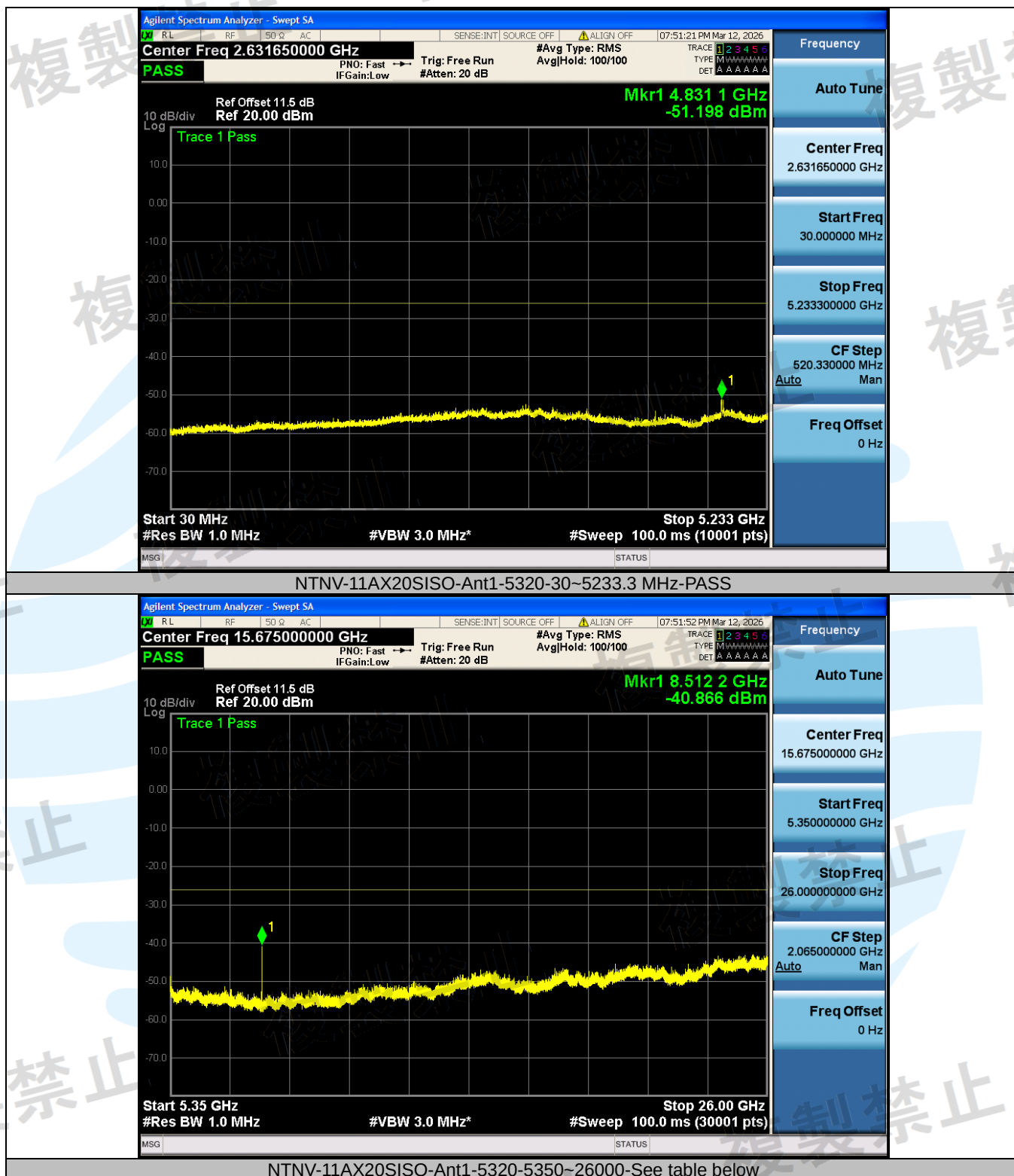












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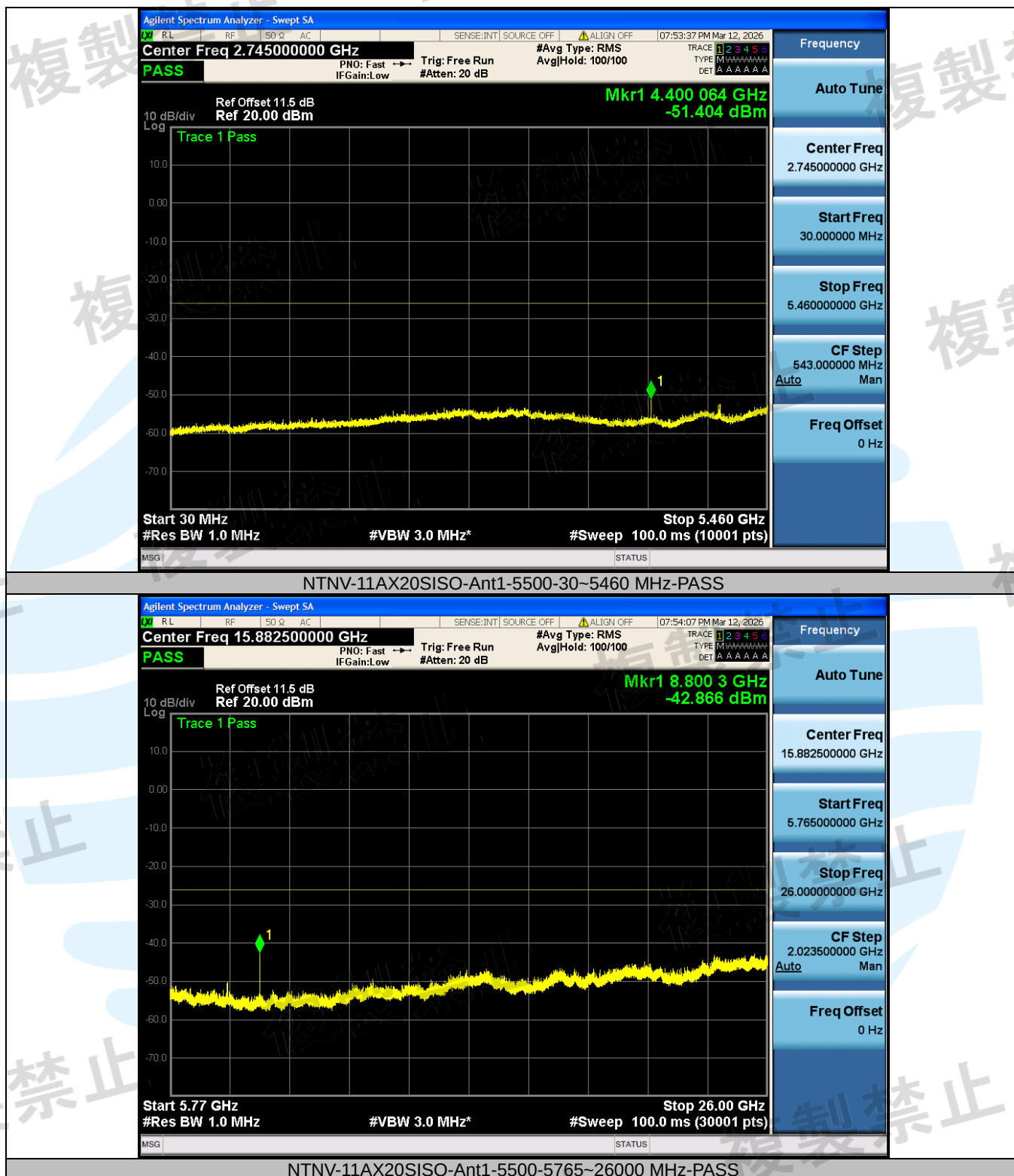
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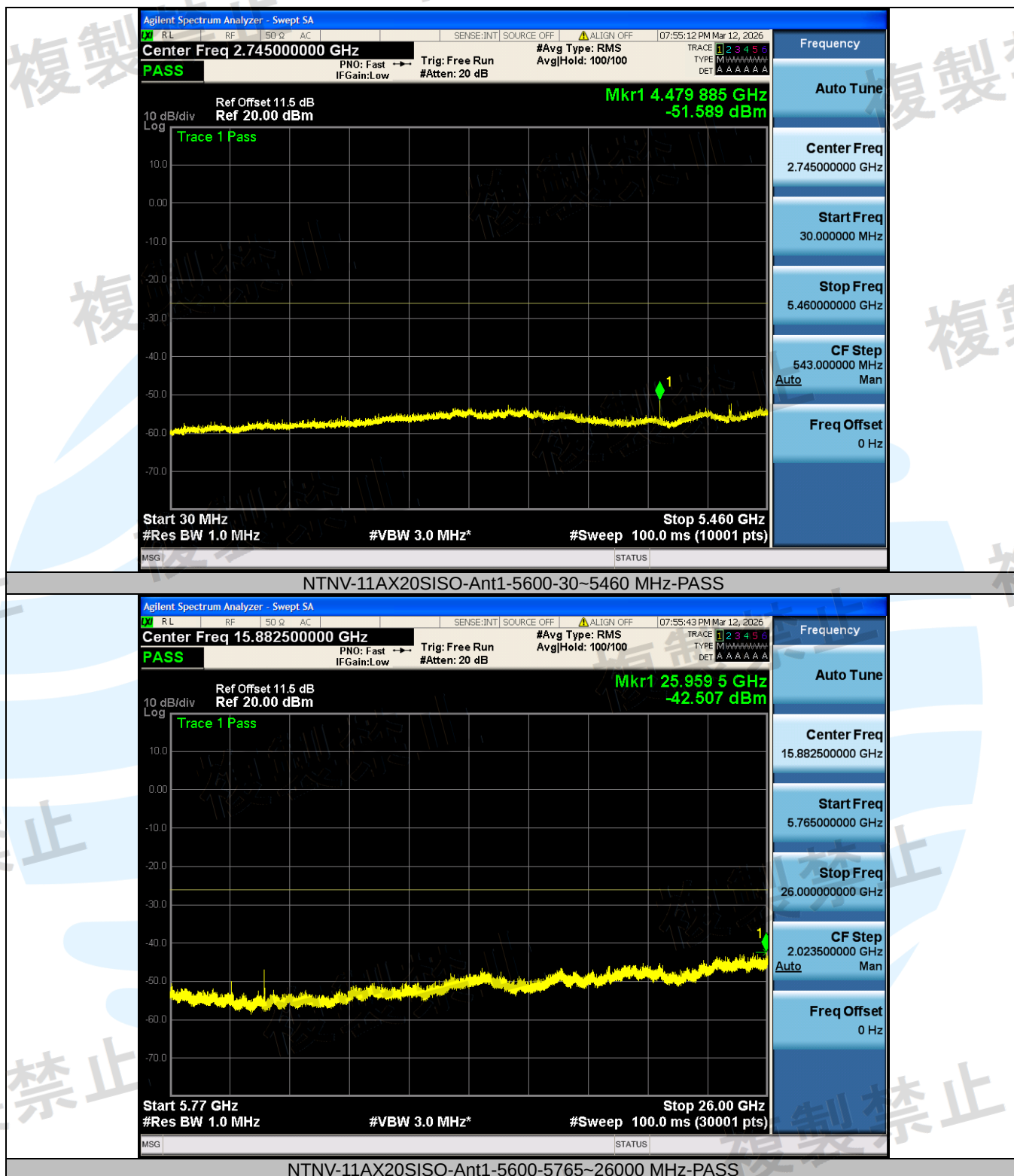
Fax: +86-755-28230886

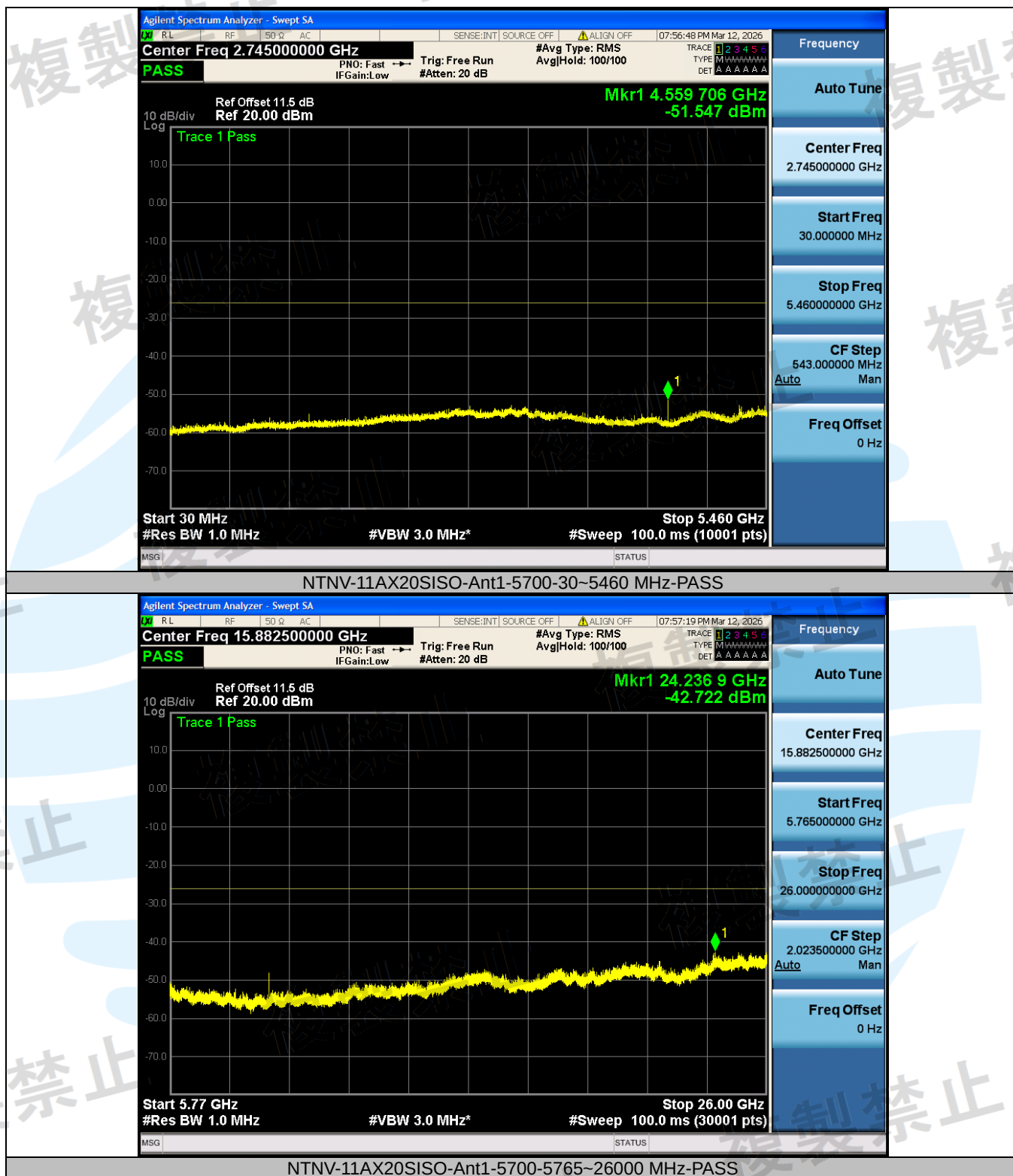
E-mail: info@uttlab.com

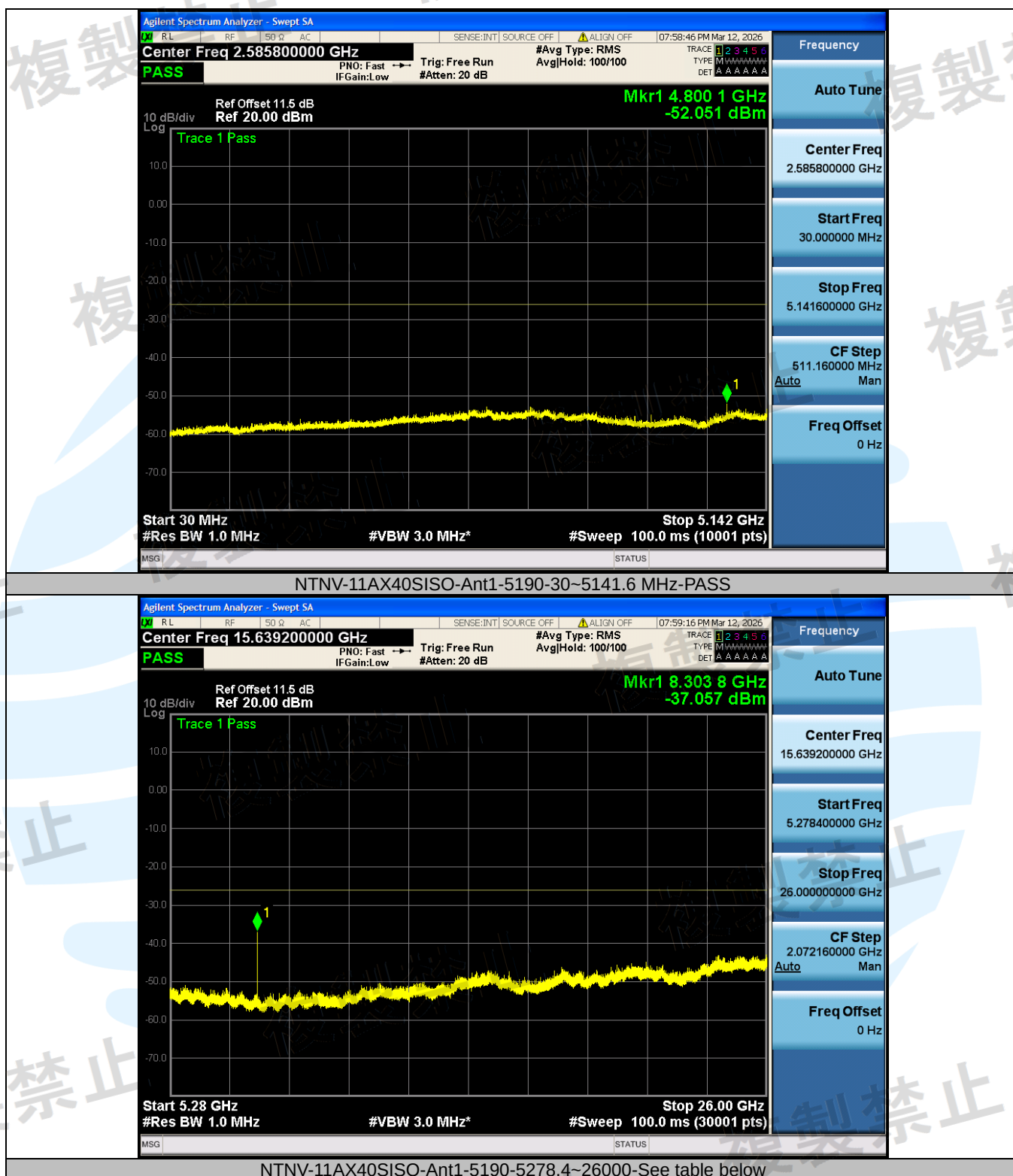
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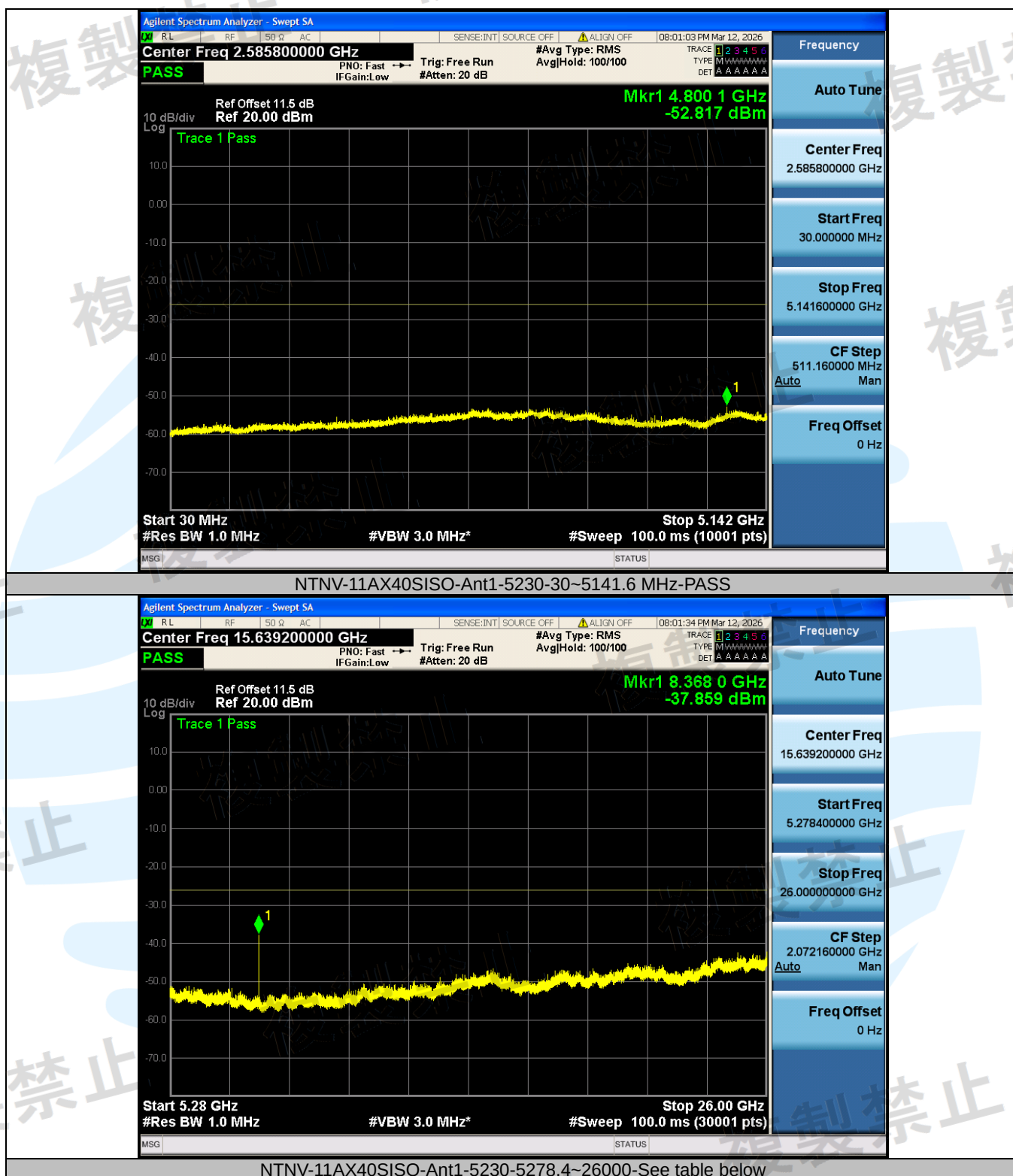
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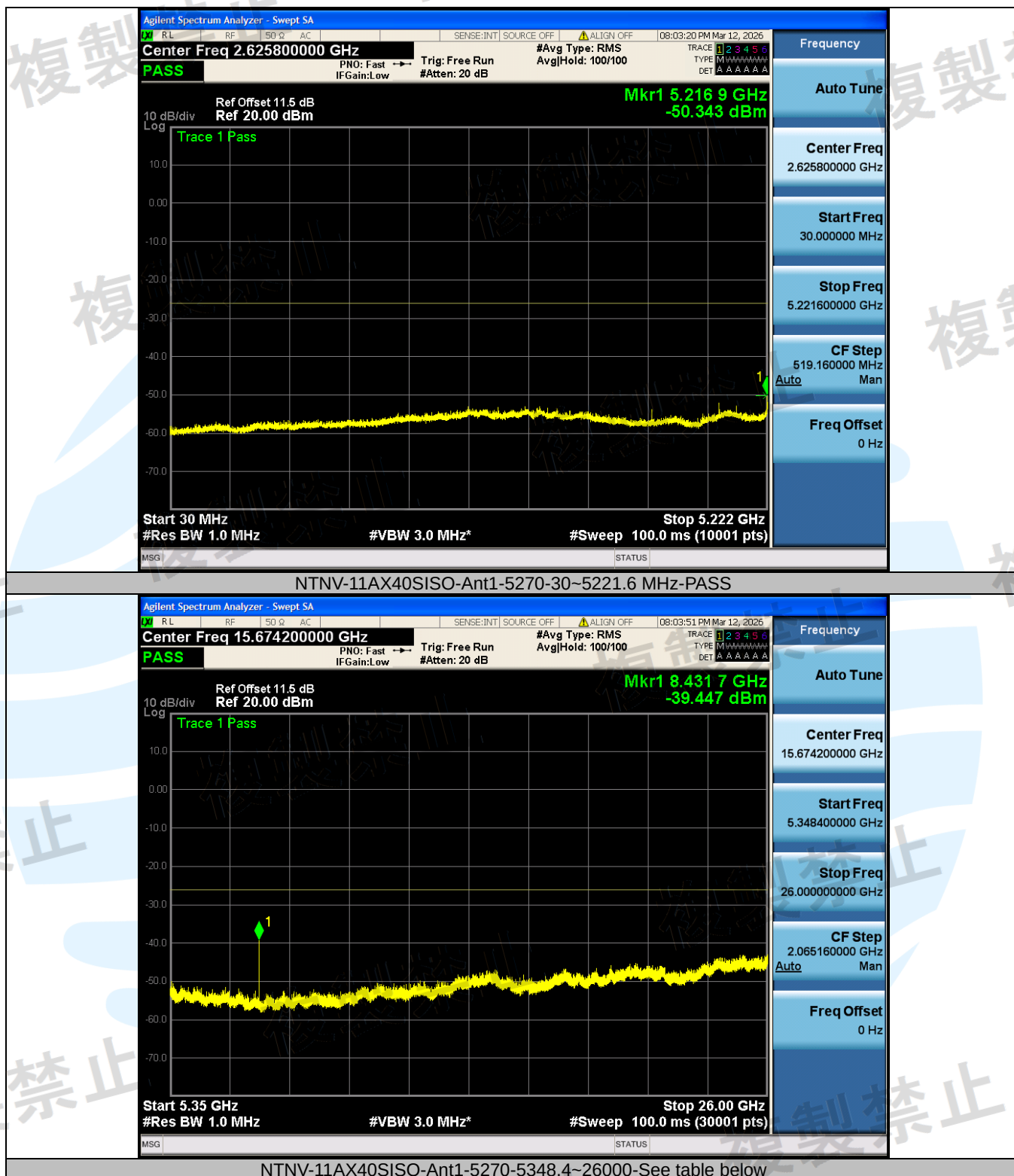












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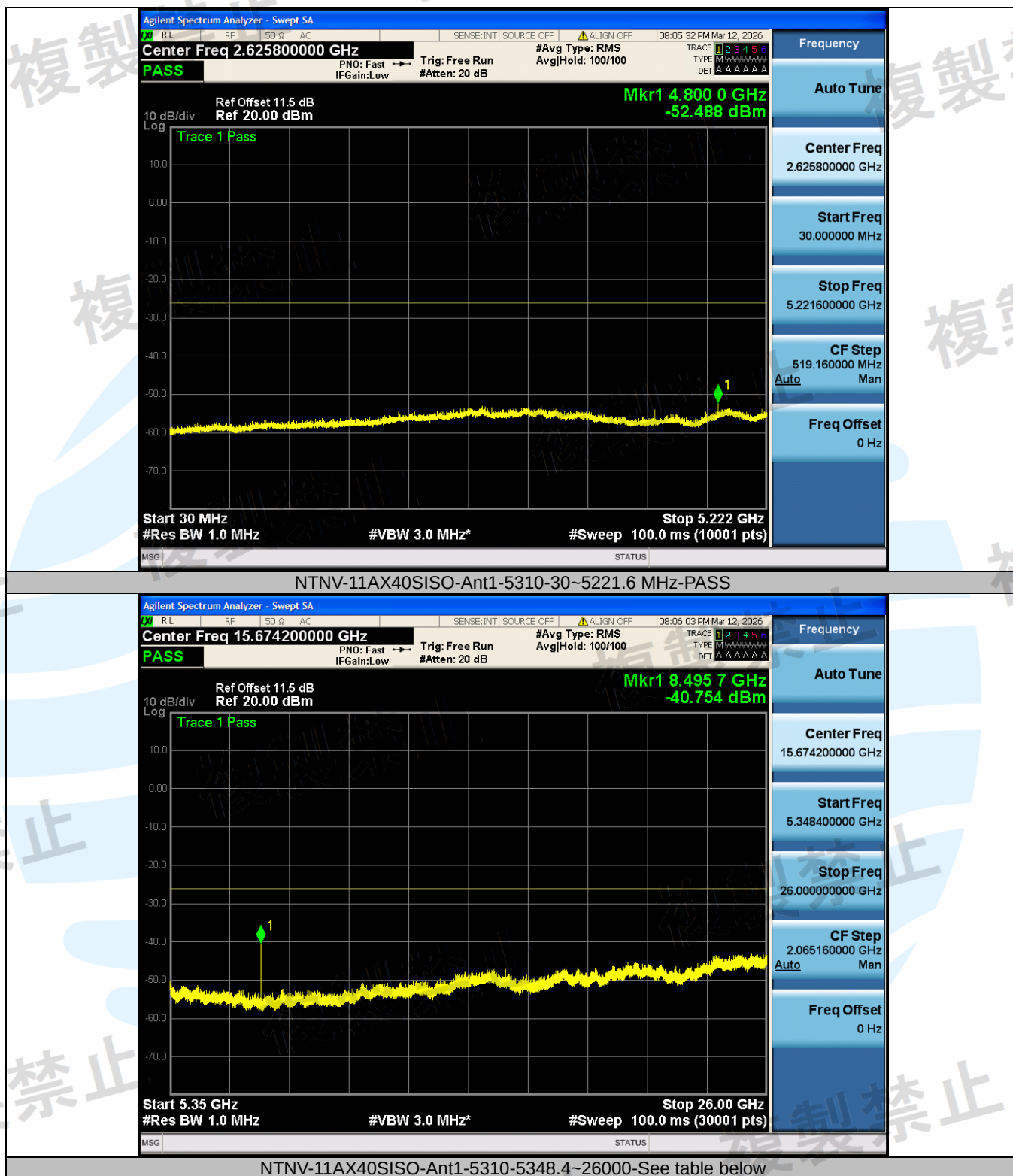
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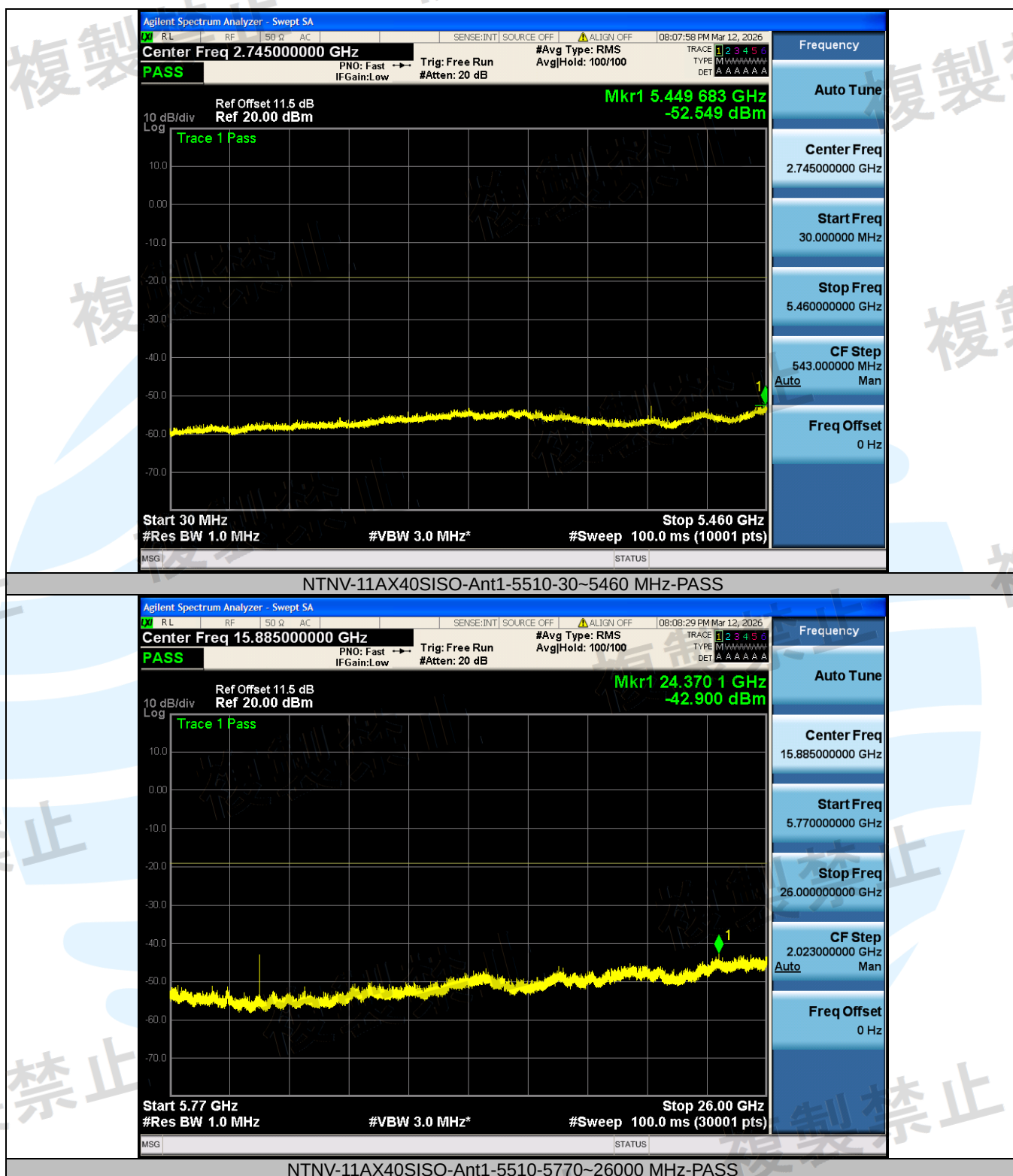
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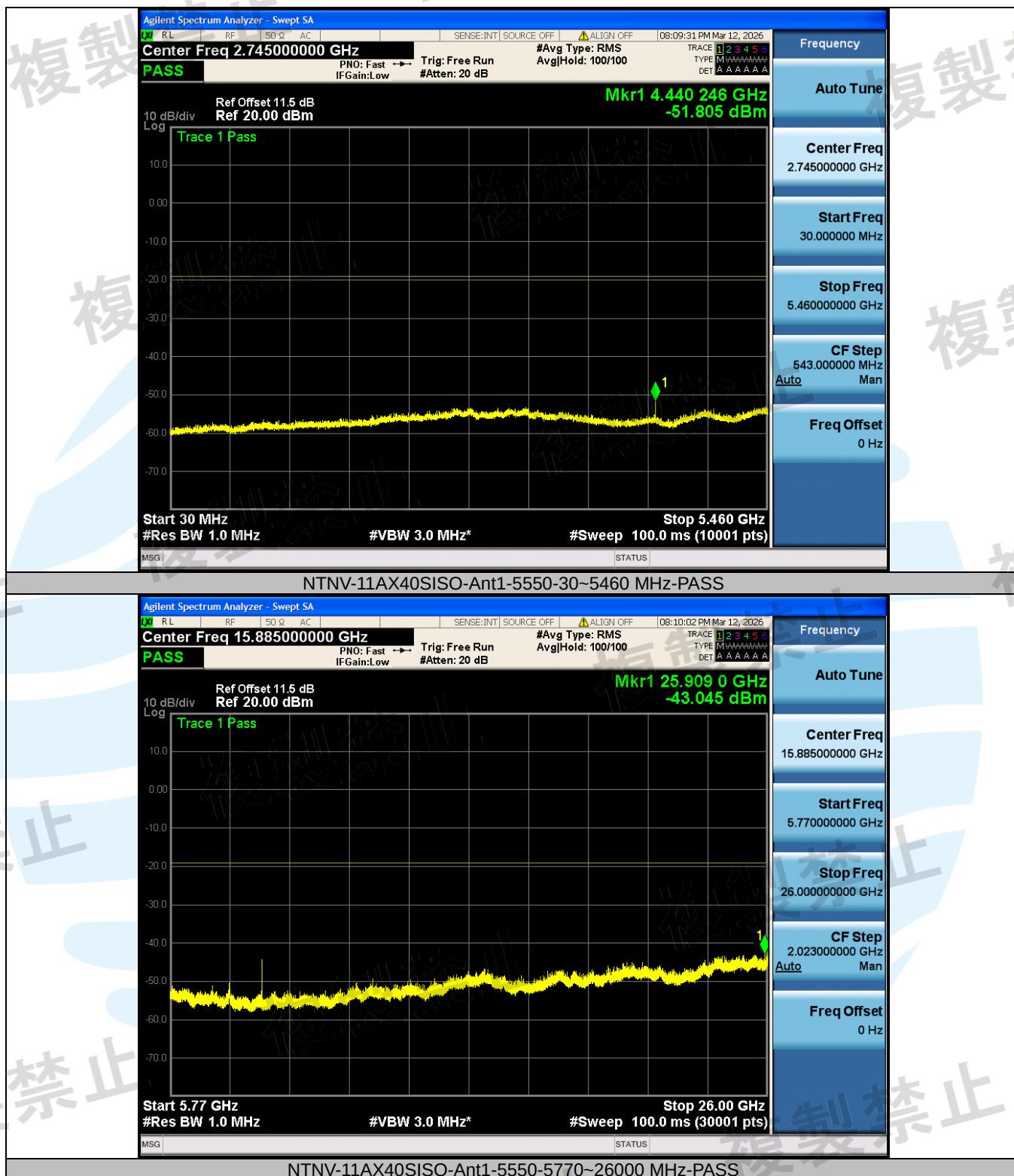
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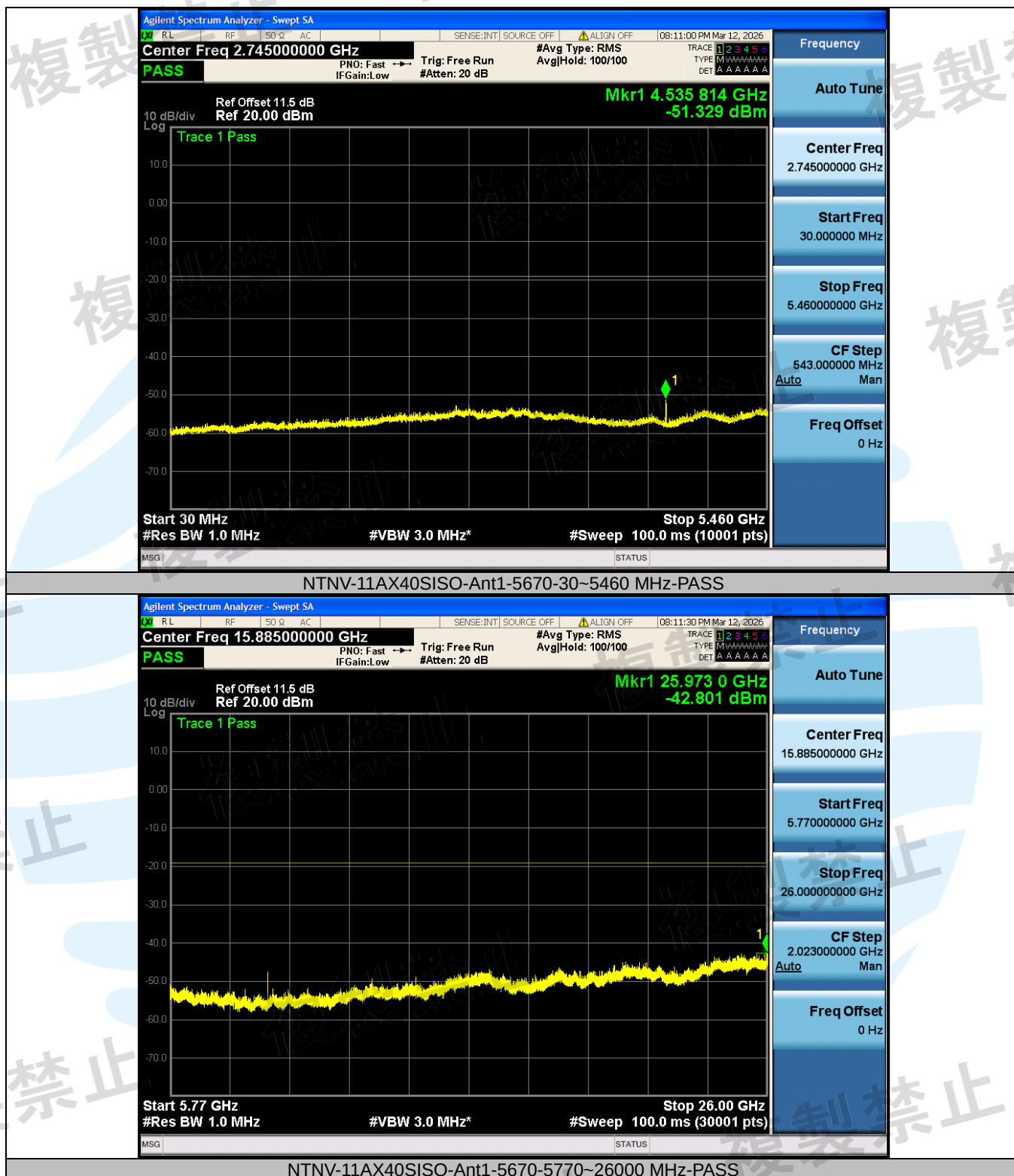
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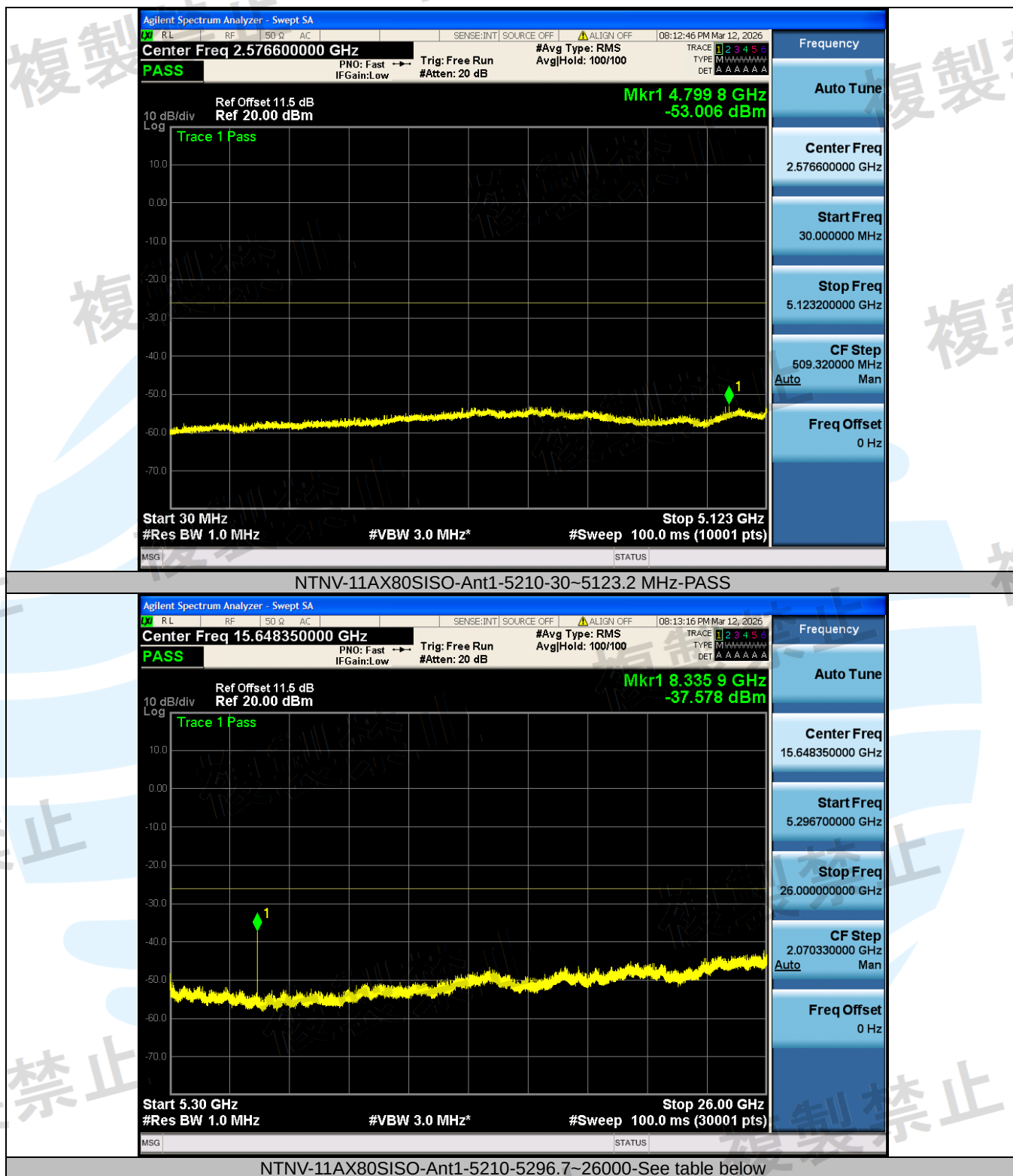
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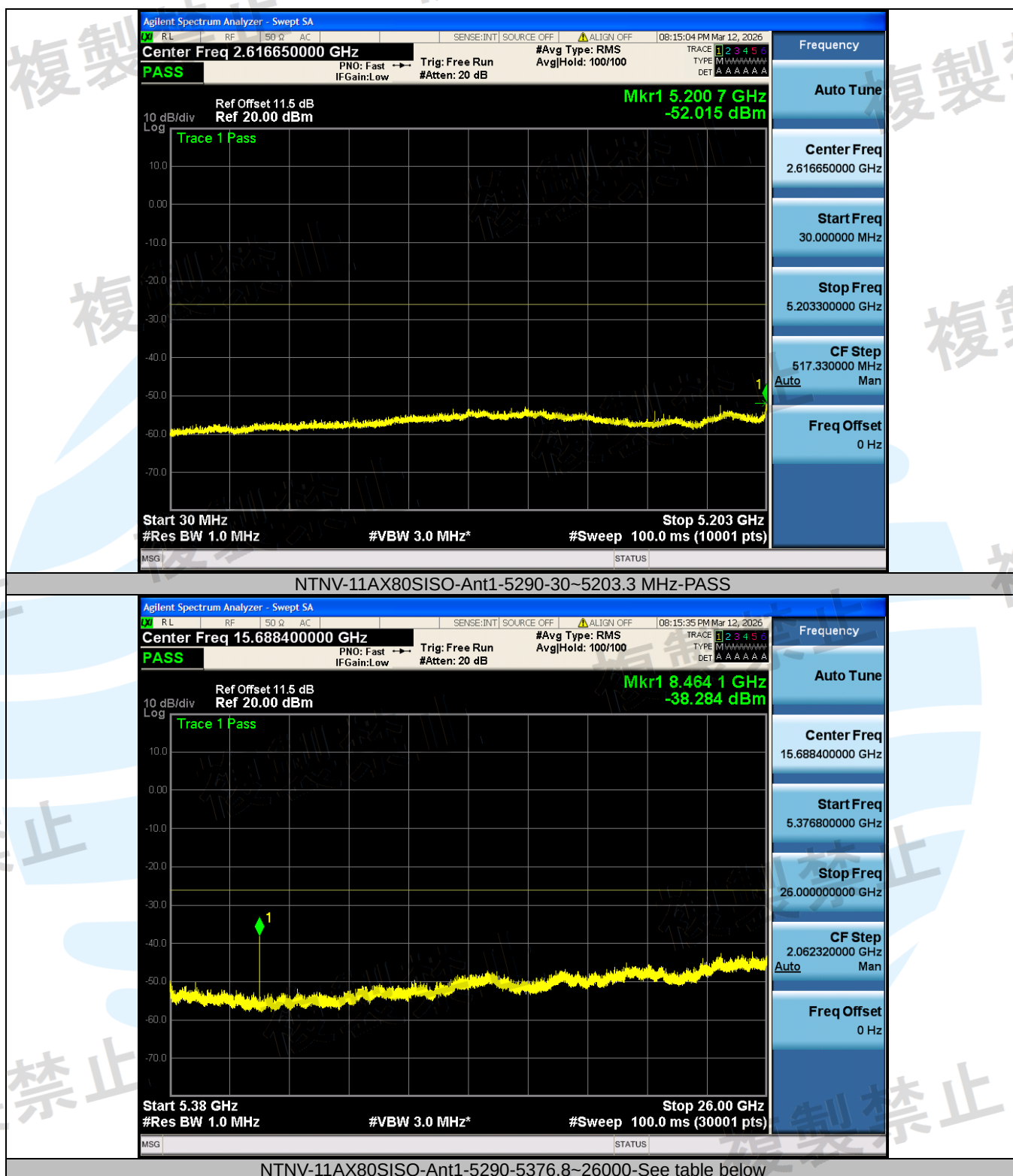












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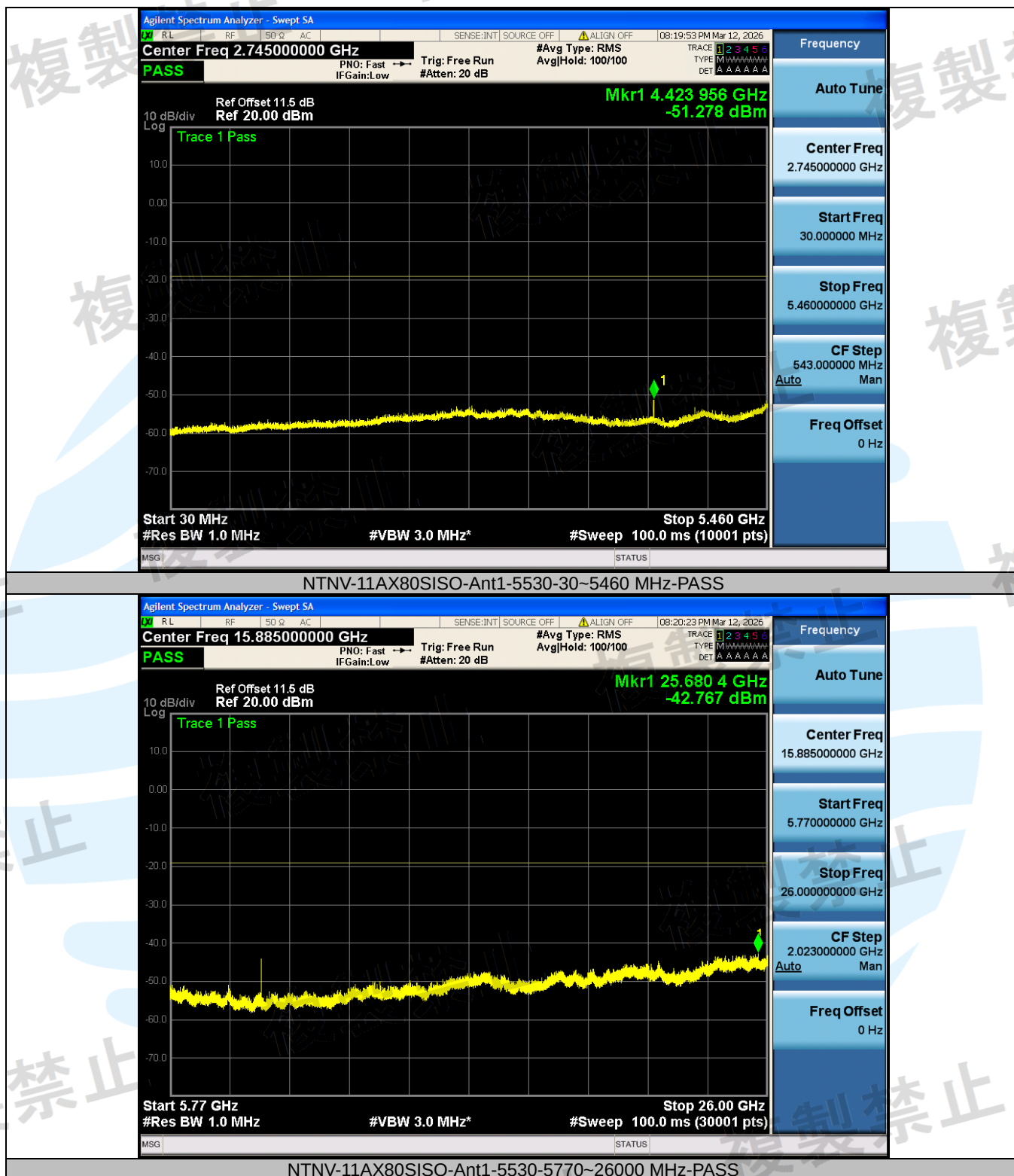
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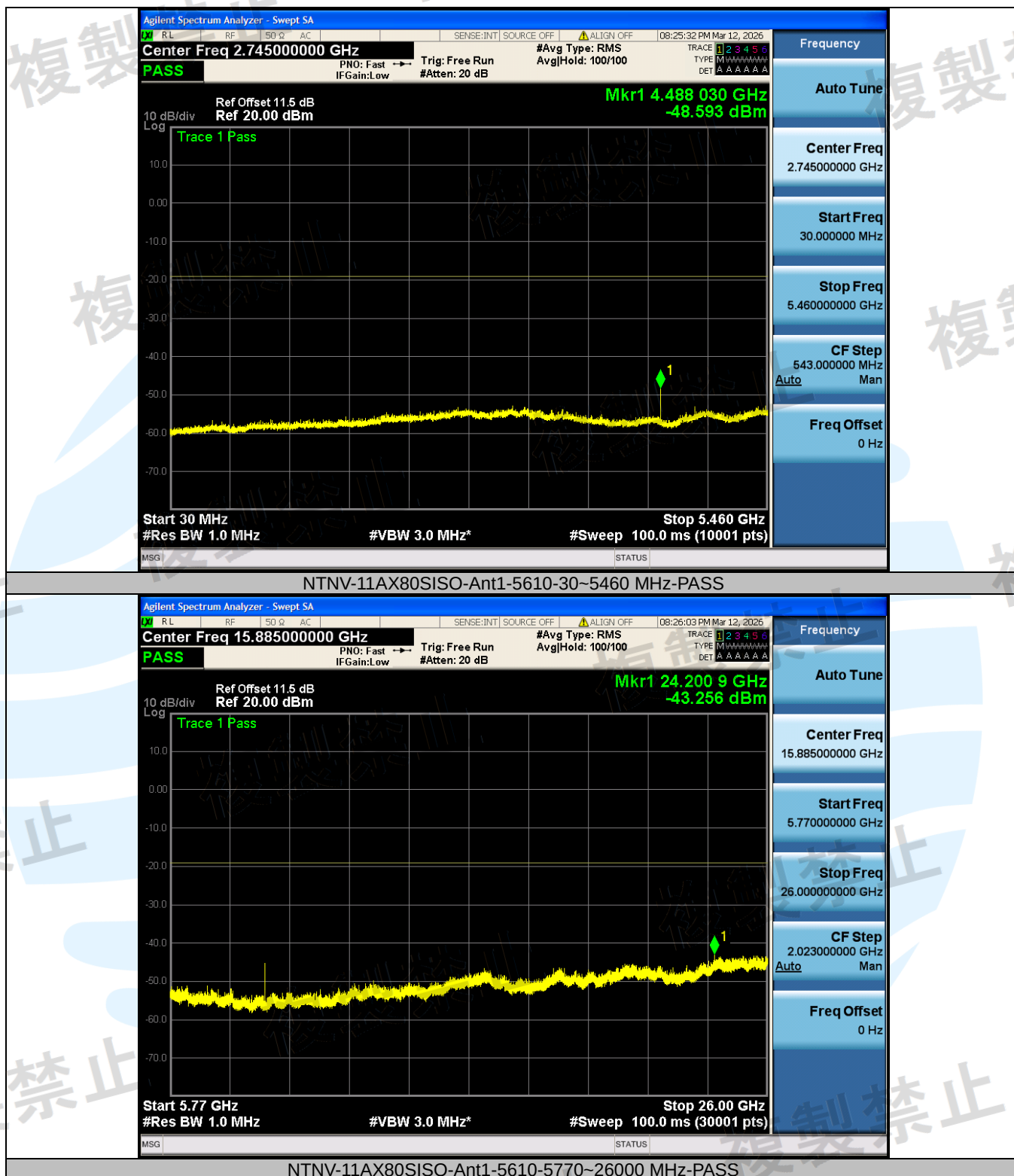
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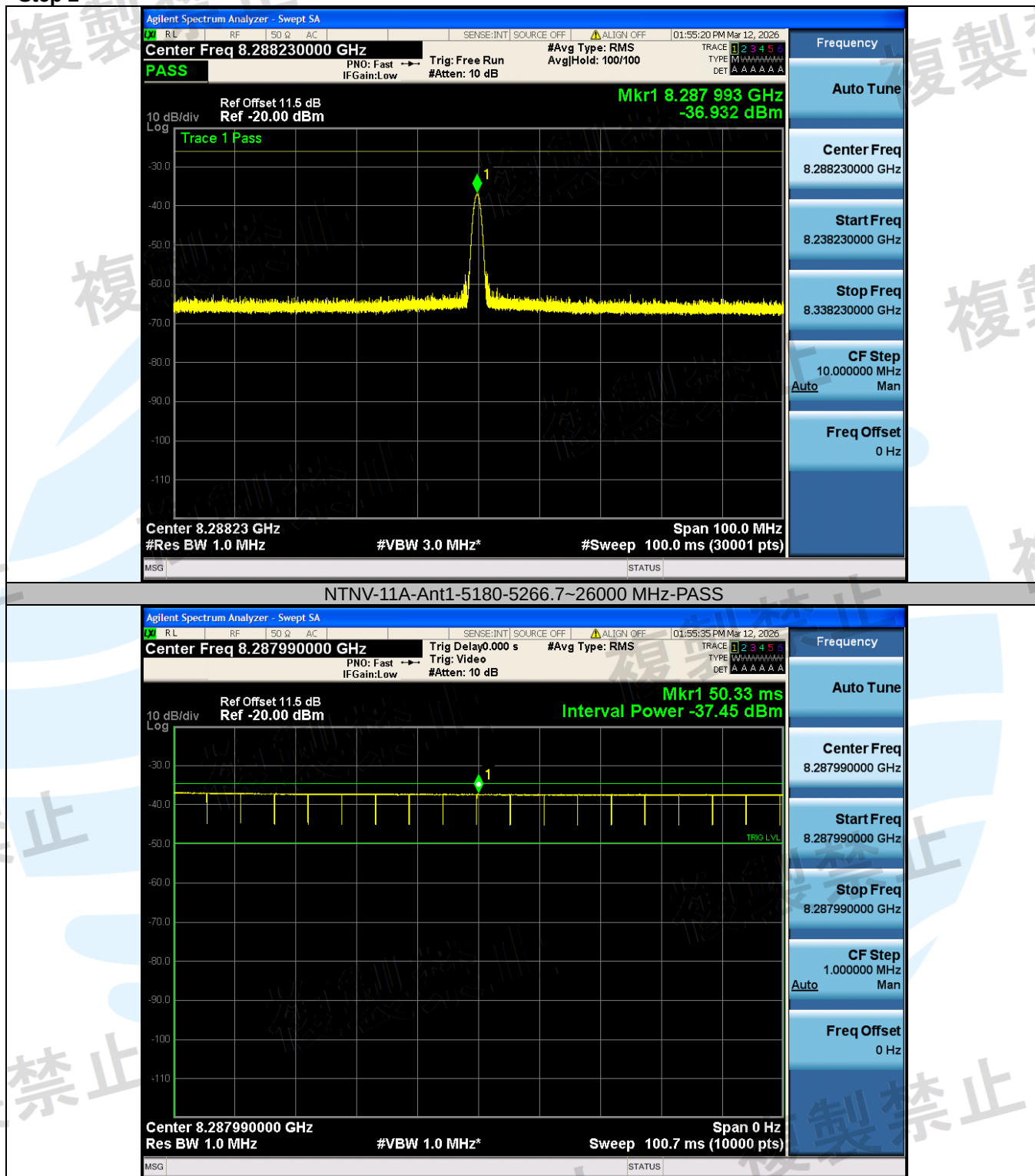
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Step 2



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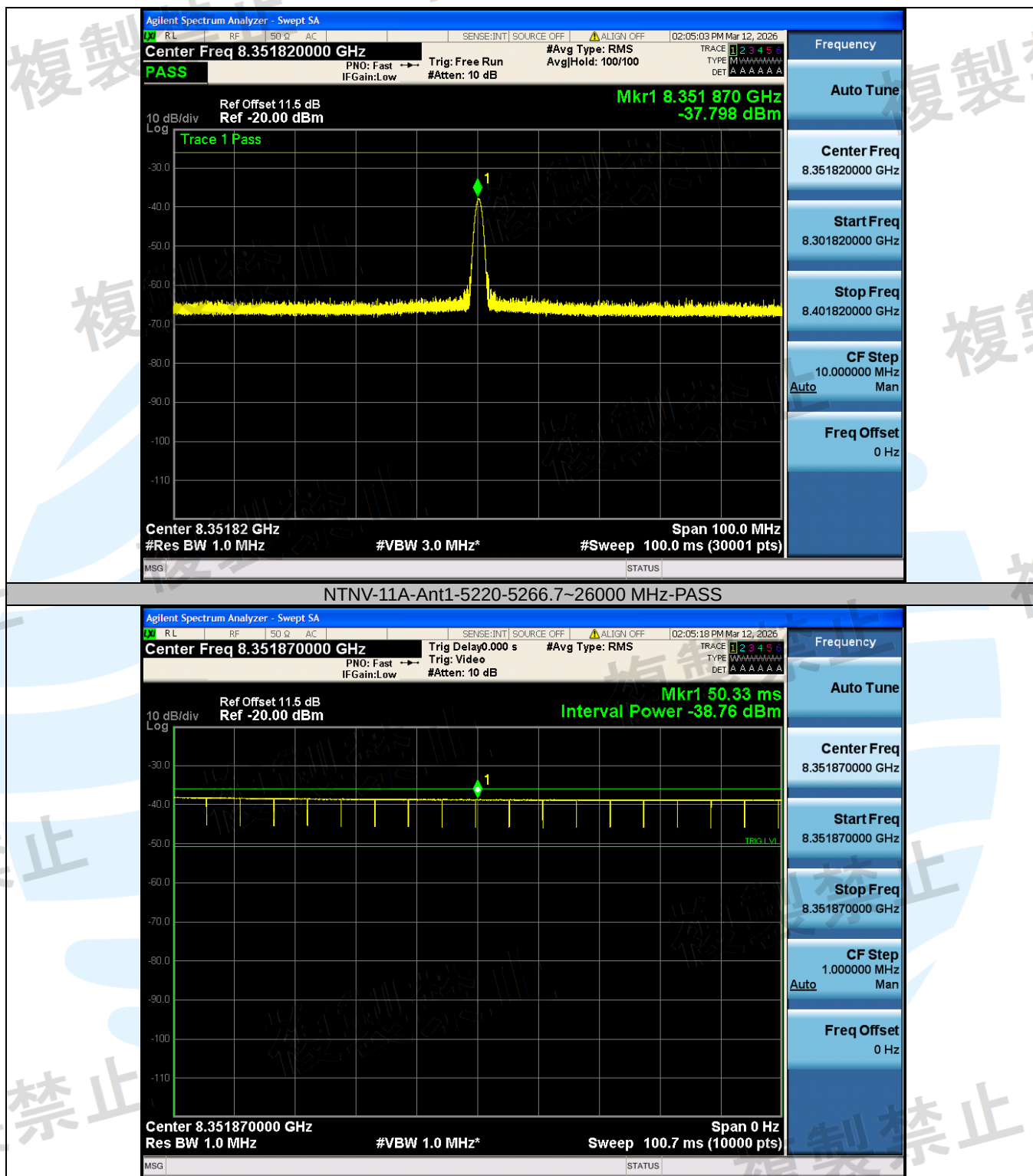
Tel: +86-755-28230888

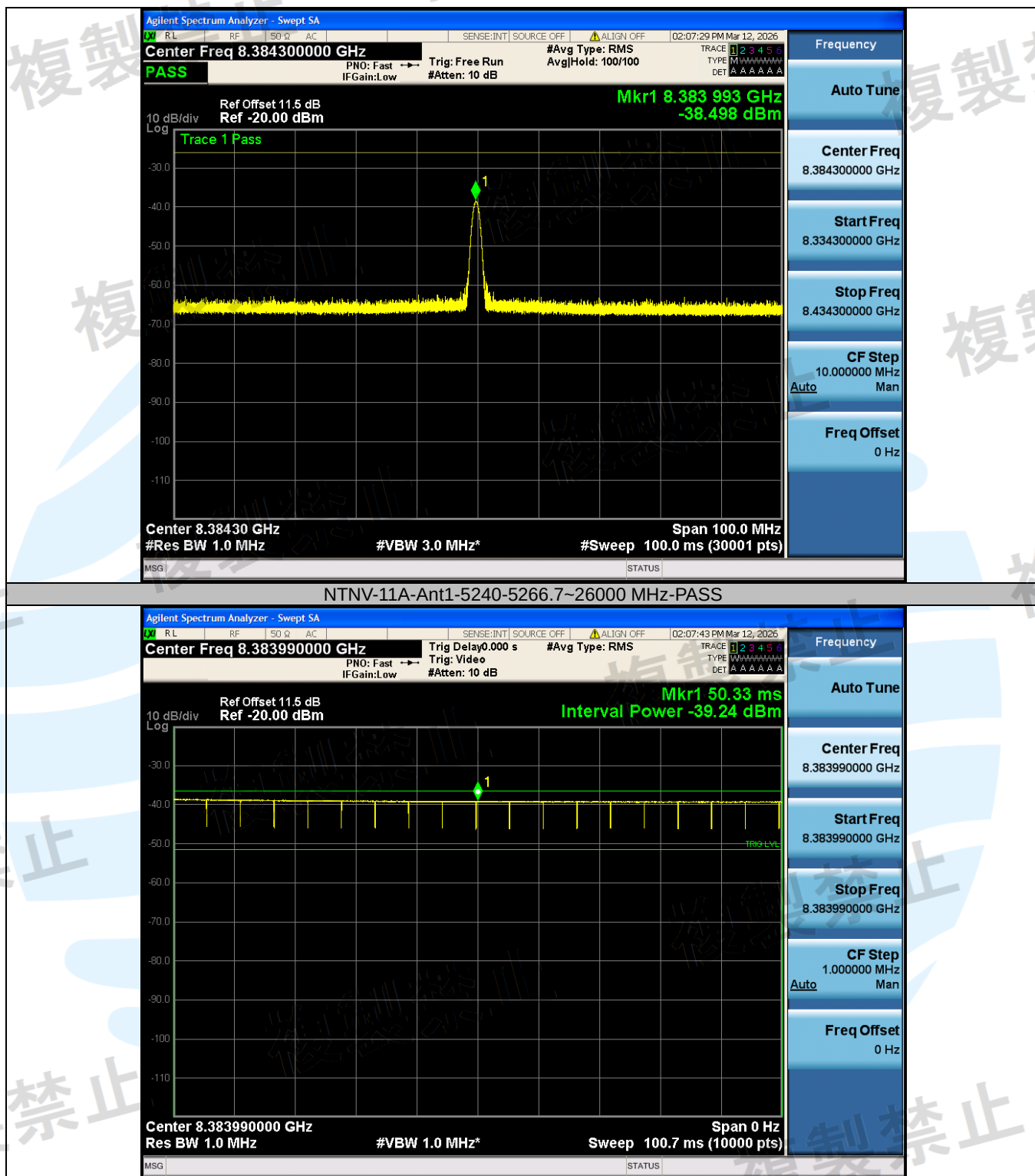
Fax: +86-755-28230886

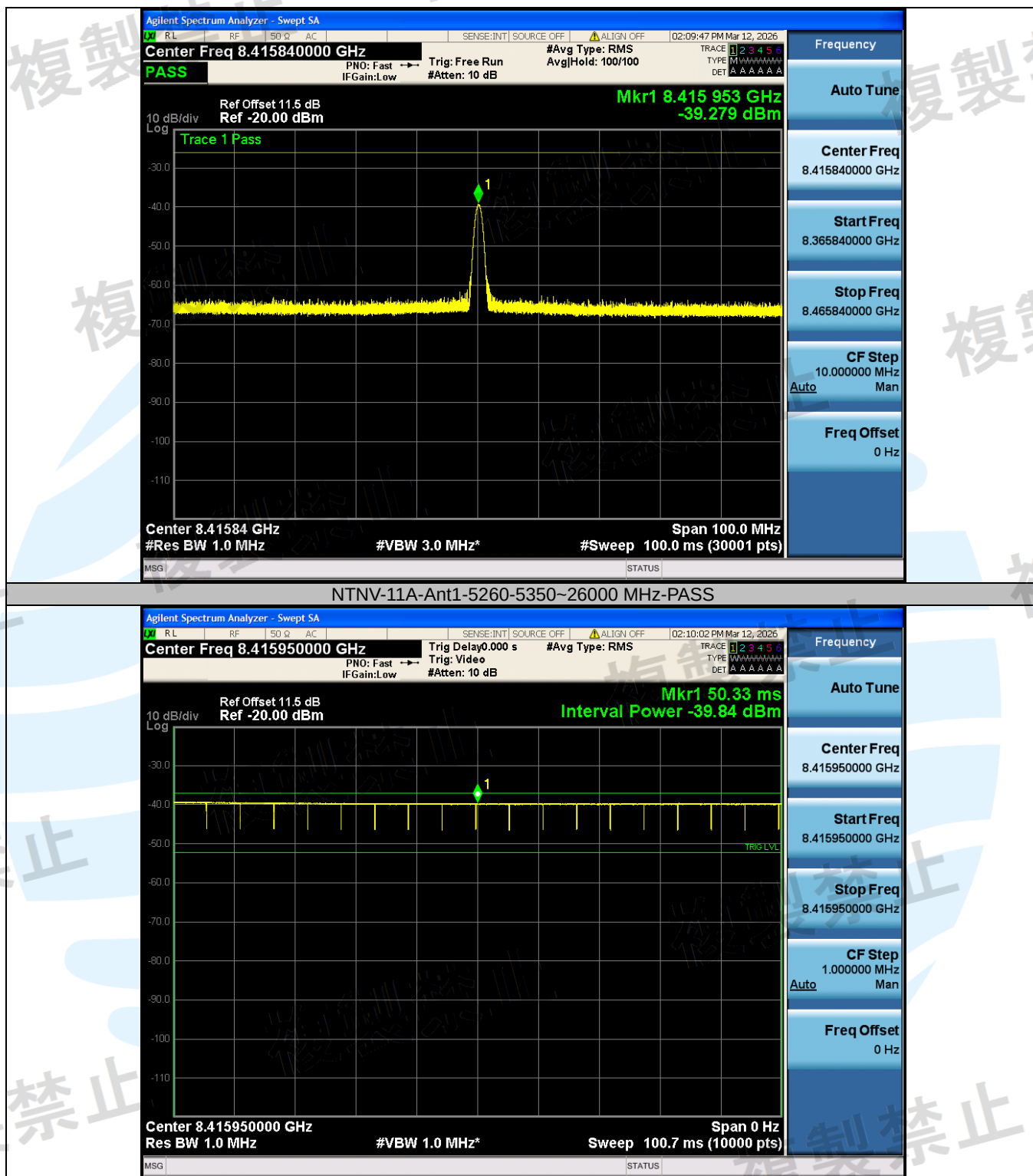
E-mail: info@uttlab.com

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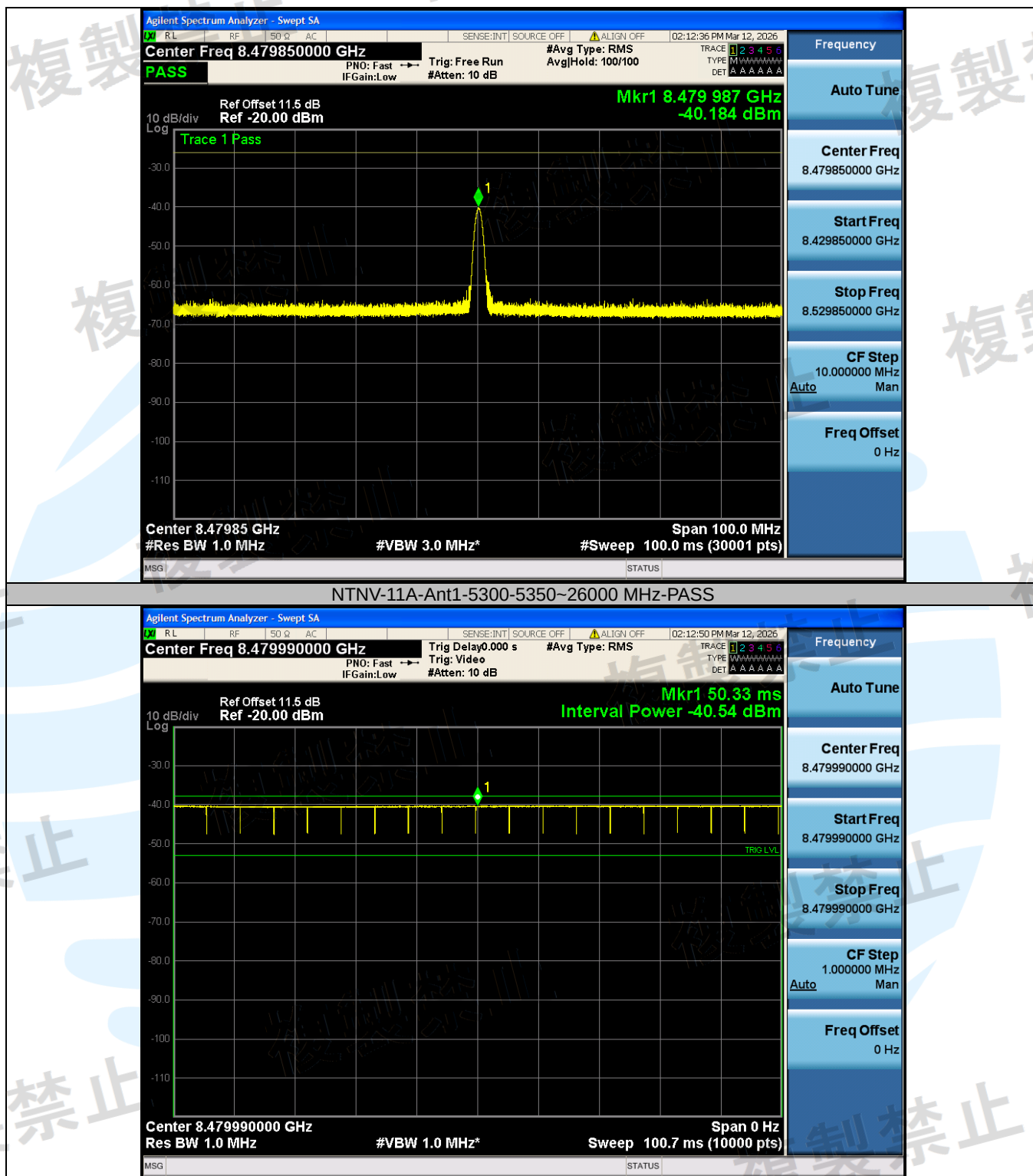
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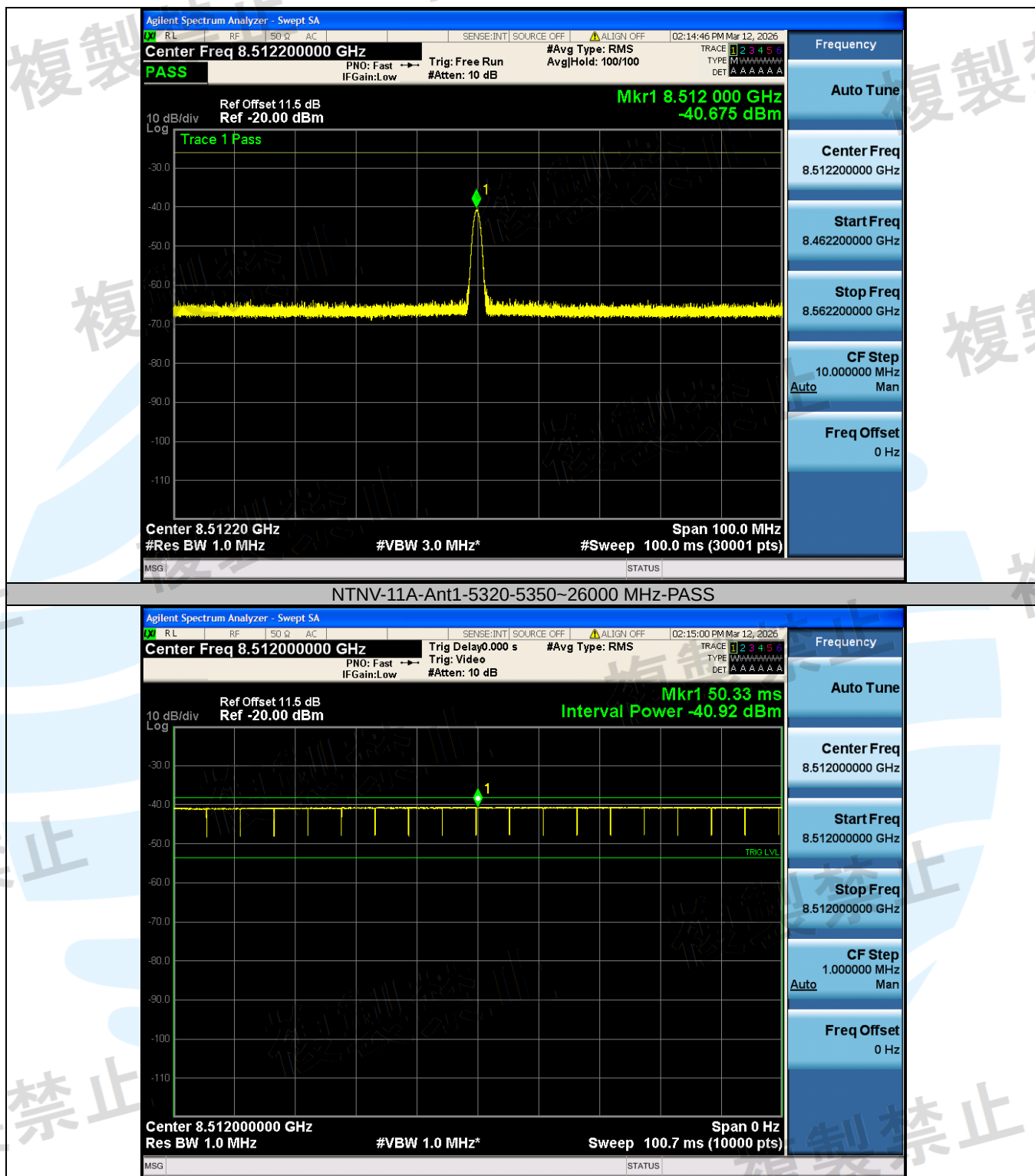
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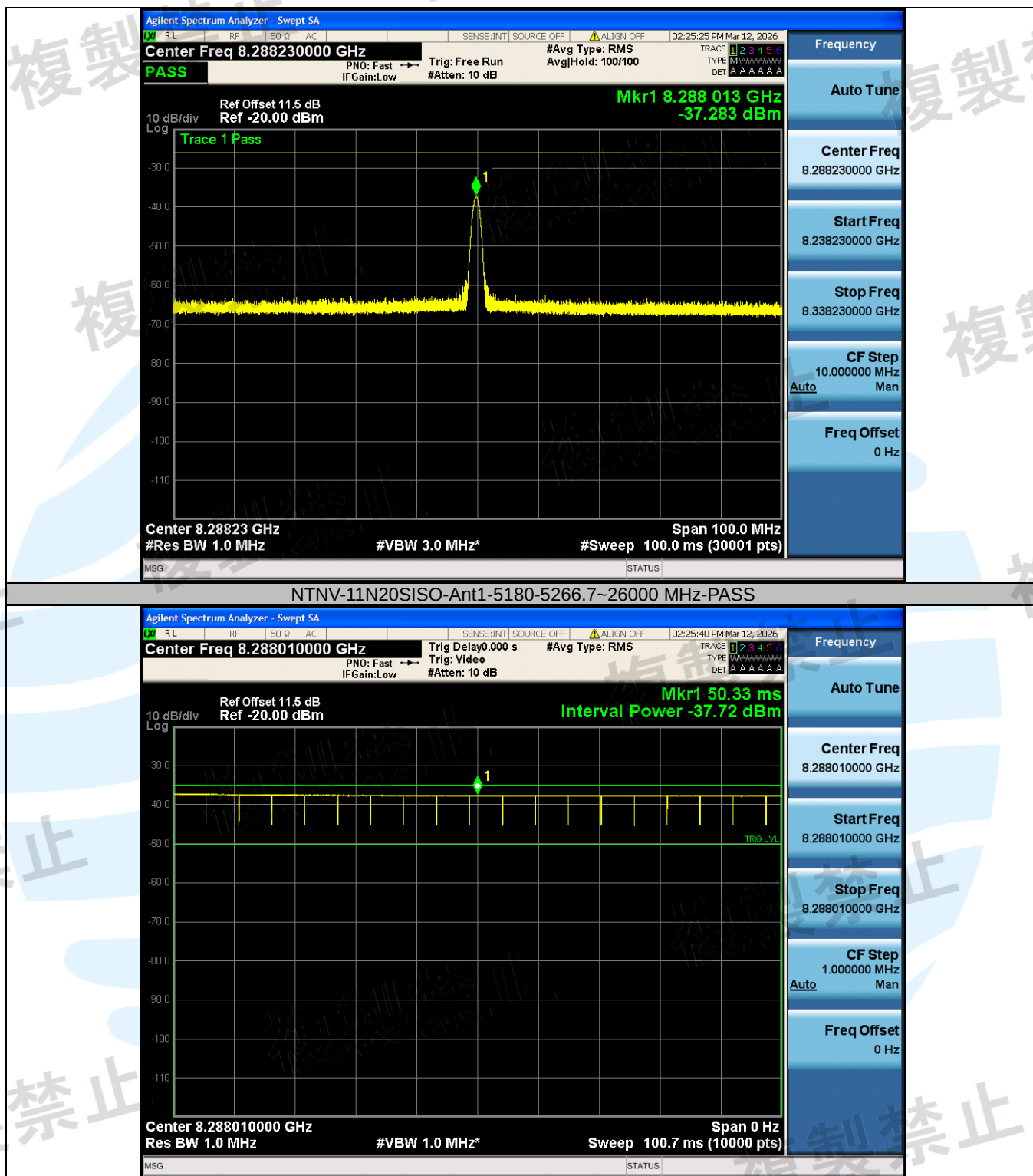
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