

TEST REPORT

Product Name : Smart Camera
Model Number : MJSXJ31CM

Prepared for : Xiaomi Communications Co., Ltd.
Address : #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, 100085, China

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ENS2510290325W02003R
Date(s) of Tests : November 1, 2025 to December 3, 2025
Date of issue : December 4, 2025

TABLE OF CONTENTS

1. EUT TECHNICAL DESCRIPTION	5
1.1. PRODUCT DESCRIPTION	5
2. SUMMARY OF TEST RESULT	7
3. TEST METHODOLOGY	8
3.1. GENERAL DESCRIPTION OF APPLIED STANDARDS	8
3.3. MEASUREMENT EQUIPMENT USED	8
3.4. DESCRIPTION OF TEST MODES	9
4. FACILITIES AND ACCREDITATIONS	12
4.1. FACILITIES	12
4.2. LABORATORY ACCREDITATIONS AND LISTINGS	12
5. TEST SYSTEM UNCERTAINTY	13
6. WIRELESS MODULE VOLTAGE TEST IN EXTREME CONDITIONS	14
6.1. APPLICABLE STANDARD	14
6.2. TEST CONFIGURATION	14
6.3. TEST RESULTS	14
7. TEST REQUIREMENTS	15
7.1. FREQUENCY ERROR	15
7.2. ANTENNA POWER AND E.I.R.P.	44
7.3. SPURIOUS EMISSIONS OF TX	104
7.4. OCCUPIED BANDWIDTH (99%)	286
7.5. LEAK POWER OF ADJACENT CHANNELS	315
7.6. LEAK POWER OUT OF BAND	347
7.7. SPURIOUS EMISSIONS OF RX	352
7.8. TRANSMISSION BURST LENGTH	501
7.9. INTERFERENCE PREVENTION FUNCTION	530
7.10. CARRIER SENSE FUNCTION	531
7.11. RF ACCESSIBILITY	535
APPENDIX- PHOTOGRAPHS OF TEST SETUP	536

Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2510290325W02003R	/	Original Report

TEST RESULT CERTIFICATION

Applicant : Xiaomi Communications Co., Ltd.
Address : #019, 9th Floor, Building 6, 33 Xi' erqi Middle Road, Haidian District, Beijing, 100085, China
Manufacturer : Xiaomi Communications Co., Ltd.
Address : #019, 9th Floor, Building 6, 33 Xi' erqi Middle Road, Haidian District, Beijing, 100085, China
EUT : Smart Camera
Model Name : MJSXJ31CM
Trademark : Xiaomi

Measurement Procedure Used:

APPLICABLE STANDARDS		
STANDARD	Test Procedure	TEST RESULT
Item 19-3 of Article 2 Paragraph 1 Item 19-3-2 of Article 2 Paragraph 1 ARIB STD-T71 Ver.6.1 RE-740 49.20 MIC Requirements for Certification	MIC public notice 88:2004, annex 43 MIC public notice 88:2004, annex 1	PASS

The device described above is tested by SHENZHEN EMTEK , CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (SHENZHEN) CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the above table standards requirement.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (SHENZHEN) CO., LTD.

Date of Test : November 1, 2025 to December 3, 2025

Prepared by : 
Una Yu/Editor

Reviewer : 
Joe Xia/Supervisor

Approved & Authorized Signer : 
Lisa Wang/Manager

1. EUT TECHNICAL DESCRIPTION

1.1. Product Description

Characteristics	Description
Device Type:	5G WiFi
Product:	Smart Camera
Model Number:	MJSXJ31CM
Wifi Type:	Wifi 5G with 5150~5250MHz Band Wifi 5G with 5250~5350MHz Band Wifi 5G with 5470~5725MHz Band
IEEE 802.11 WLAN Mode Supported:	802.11a(20MHz channel bandwidth) 802.11n(20MHz channel bandwidth) 802.11n(40MHz channel bandwidth) 802.11ac(20MHz channel bandwidth) 802.11ac(40MHz channel bandwidth) 802.11ax(20MHz channel bandwidth) 802.11ax(40MHz channel bandwidth)
Modulation:	OFDM, OFDMA
Frequency Range:	5150MHz-5250MHz Band
	5180-5240MHz for 802.11a 5180-5240MHz for 802.11n(HT20) 5190-5230MHz for 802.11n(HT40) 5180-5240MHz for 802.11ac(VHT20) 5190-5230MHz for 802.11ac(VHT40) 5180-5240MHz for 802.11ax(HE20) 5190-5230MHz for 802.11ax(HE40)
	5250MHz-5350MHz Band
	5260-5320MHz for 802.11a 5260-5320MHz for 802.11n(HT20) 5270-5310MHz for 802.11n(HT40) 5260-5320MHz for 802.11ac(VHT20) 5270-5310MHz for 802.11ac(VHT40) 5260-5320MHz for 802.11ax(HE20) 5270-5310MHz for 802.11ax(HE40)
	5470MHz-5725MHz Band
	5500-5700MHz for 802.11a 5500-5700MHz for 802.11n(HT20) 5510-5670MHz for 802.11n(HT40) 5500-5700MHz for 802.11ac(VHT20) 5510-5670MHz for 802.11ac(VHT40) 5500-5700MHz for 802.11ax(HE20) 5510-5670MHz for 802.11ax(HE40)
Rated Antenna Power:	IEEE 802.11a:

	W52 (5180-5240MHz): 1.5 mW/MHz W53 (5260-5320MHz): 1.5 mW/MHz W56 (5500-5700MHz): 1.5 mW/MHz IEEE 802.11n(HT20): W52 (5180-5240MHz): 1.5 mW/MHz W53 (5260-5320MHz): 1.5 mW/MHz W56 (5500-5700MHz): 1.5 mW/MHz IEEE 802.11ac(VHT20): W52 (5180-5240MHz): 1.5 mW/MHz W53 (5260-5320MHz): 1.5 mW/MHz W56 (5500-5700MHz): 1.5 mW/MHz IEEE 802.11n(HT40): W52 (5190-5230MHz): 3 mW/MHz W53 (5270-5310MHz): 3 mW/MHz W56 (5510-5670MHz): 1 mW/MHz IEEE 802.11ac(VHT40): W52 (5190-5230MHz): 1.5 mW/MHz W53 (5270-5310MHz): 1.5 mW/MHz W56 (5510-5670MHz): 1.5 mW/MHz IEEE 802.11ax(HE20): W52 (5180-5240MHz): 1.5 mW/MHz W53 (5260-5320MHz): 1.5 mW/MHz W56 (5500-5700MHz): 1.5 mW/MHz IEEE 802.11ax(HE40): W52 (5190-5230MHz): 1.5 mW/MHz W53 (5270-5310MHz): 1.5 mW/MHz W56 (5510-5670MHz): 1.5 mW/MHz
TPC:	Applicable
Antenna Type:	☒ ANT 1: stainless steel PIFA antenna
Smart system:	SISO
Antenna Gain:	2.3 dBi (Note: The antenna information is provided by the customers, which will have a certain impact on the test results.)
Power Supply:	DC 5V from adapter
Adapter:	MODEL:A319-050200U-US2 INPUT:100-240V~50/60Hz Max 0.3A OUTPUT:5V/2A
Test Voltage:	AC 100V/50Hz
Temperature Range:	-10°C ~ +40°C
Software Version:	5.3.3_0733
Hardware Version:	LSAM131

Note: for more details, please refer to the user's manual of the EUT.

2. SUMMARY OF TEST RESULT

Test Rule	Test Parameter	Verdict	Remark
Item 19-3 of Article 2 Paragraph 1	Frequency Error	PASS	
Item 19-3 of Article 2 Paragraph 1	Antenna Power	PASS	
Item 19-3 of Article 2 Paragraph 1	Equivalent isotropically radiated power (E.I.R.P.)	PASS	
Item 19-3 of Article 2 Paragraph 1	Spurious Emissions of Tx	PASS	
Item 19-3 of Article 2 Paragraph 1	Occupied Bandwidth (99%)	PASS	
Item 19-3 of Article 2 Paragraph 1	Leak Power of Adjacent Channels	PASS	
Item 19-3 of Article 2 Paragraph 1	Leak Power Out of Band	PASS	
Item 19-3 of Article 2 Paragraph 1	Spurious Emissions of Rx	PASS	
Item 19-3 of Article 2 Paragraph 1	Transmission Burst Length	PASS	
Item 19-3 of Article 2 Paragraph 1	Interference prevention function	PASS	
Item 19-3 of Article 2 Paragraph 1	Carrier Sense Function	PASS	
Item 19-3 of Article 2 Paragraph 1	RF accessibility	PASS	

3. TEST METHODOLOGY

3.1. GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:
ARIB STD T-66 Second Generation Low Power Data Communication System/Wireless LAN System
RE-740 49.20 MIC Requirements for Certification

3.2. Detecting Condition

Temperature	Humidity	Atmospheric Pressure
23.3℃	45%	101.1KPa

3.3. MEASUREMENT EQUIPMENT USED

Radio Frequency Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval	Calibration Body	Calibration Method
Wideband Radio Communication Tester	R&S	CMW500	171168	2025/9/9	1 Year	LISAI	(c)
Frequency Extender	R&S	CMW-Z800 A	100430	2025/9/9	1 Year	LISAI	(c)
Spectrum Analyzer	R&S	FSV3044	101289	2024/12/17	1 Year	LISAI	(c)
Analog Signal Generator	R&S	SMB100A	183237	2025/9/9	1 Year	LISAI	(c)
Vector Signal Generator	R&S	SMM100A	101808	2025/9/9	1 Year	LISAI	(c)
RF Control Unit	Tonscend	JS0806-2	22C8060567	2025/9/9	1 Year	LISAI	(c)
Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2025/5/10	1 Year	LISAI	(c)

Remark:

- (a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
- (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).
- (c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c). From JRL Article 24-2, paragraph 4, Item 2.

Notice: Calibration duration for above equipments is 1 year.

3.4. Description of test modes

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Wifi 5G with 5150-5250MHz

Frequency and Channels list for 802.11a/n(HT20)/802.11ac(VHT20)/802.11ax(HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220		
40	5200	48	5240		

Frequency and Channels list for 802.11n (HT40)/802.11ac(VHT40)/802.11ax(HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190				
46	5230				

Test Frequency and Channels for 802.11a/n(HT20)/802.11ac(VHT20)/802.11ax(HE20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	48	5240

Test Frequency and channels for 802.11n(HT40)/802.11ac(VHT40)/802.11ax(HE40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	N/A	N/A	46	5230

Wifi 5G with 5250-5350MHz

Frequency and Channels list for 802.11a/n(HT20)/802.11ac(VHT20)/802.11ax(HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300		
56	5280	64	5320		

Frequency and Channels list for 802.11n (HT40)/802.11ac(VHT40)/802.11ax(HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270				
62	5310				

Test Frequency and Channels for 802.11a/n(HT20)/802.11ac(VHT20)/802.11ax(HE20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	56	5280	64	5320

Test Frequency and channels for 802.11n(HT40)/802.11ac(VHT40)/802.11ax(HE40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	N/A	N/A	62	5310

Wifi 5G with 5470-5725MHz

Frequency and Channels list for 802.11a/n(HT20)/802.11ac(VHT20)/802.11ax(HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	132	5660
104	5520	120	5600	136	5680
108	5540	124	5620	140	5700
112	5560	128	5640		

Frequency and Channels list for 802.11n(HT40)/802.11ac(VHT40)/802.11ax(HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	118	5590	134	5670
110	5550	126	5630		

Test Frequency and Channels for 802.11a/n(HT20)/802.11ac(VHT20)/802.11ax(HE20)::

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	140	5700

Test Frequency and channels for 802.11n(HT40)/802.11ac(VHT40)/802.11ax(HE40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510			134	5670

4. FACILITIES AND ACCREDITATIONS

4.1. FACILITIES

All measurement facilities used to collect the measurement data are located at Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4

4.2. LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Building 69, Majialong, Industry Zone, Nanshan District, Shenzhen, Guangdong, China

5. TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Uncertainty for Output power test	$\pm 0.83\text{dB}$
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Power density test	$\pm 1.85\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 3\%$

Measurement Uncertainty for a level of Confidence of 95%.

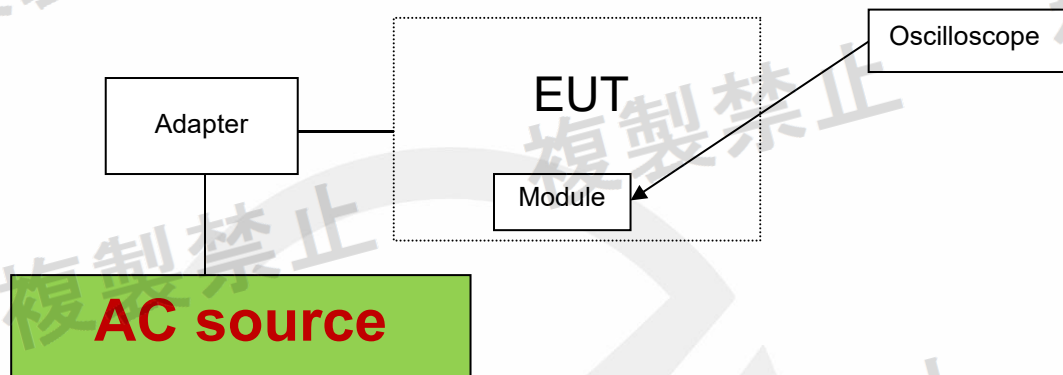
6. Wireless module voltage test in extreme conditions

6.1. Applicable Standard

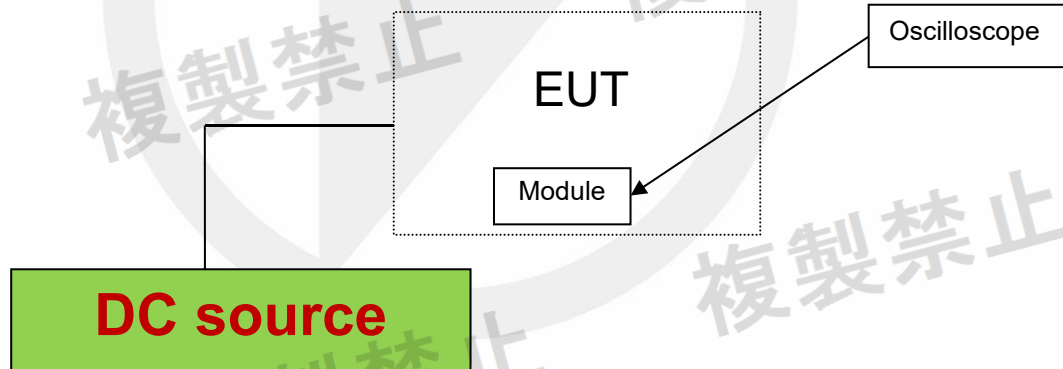
When there is a fluctuation of $\pm 10\%$ input voltage from external power to the test equipment. If the fluctuation of input voltage to the circuit of the radio part (excl. power) in the test equipment is confirmed below $\pm 1\%$, Measurement shall be tested with the rated voltage.

6.2. Test Configuration

Config A



Config B



6.3. Test Results

Test Sample DC Input Voltage	4.5V	5V	5.5V
Input Voltage To The Circuit	3.30	3.30	3.30
Module Rated Voltage	3.30	3.30	3.30
The Deviation of Module Voltage (%)	0.00%	0.00%	0.00%

Note: In extreme conditions, The test sample module power is confirmed below $\pm 1\%$.

7. TEST REQUIREMENTS

7.1. FREQUENCY ERROR

7.1.1. Limit

ARIB STD-T71, Clause 3.1.2(4)

Tolerance of frequency: $\pm 20\text{ppm}$.

7.1.2. Test Procedure

Test Method for Radio Equipment mentioned in Certification Regulations Article 2, Item 19-3-2

MIC Notice No.88 Annex45 Clause 3

7.1.3. Test Configuration

Temperature and Voltage Measurement (under normal and extreme test conditions)

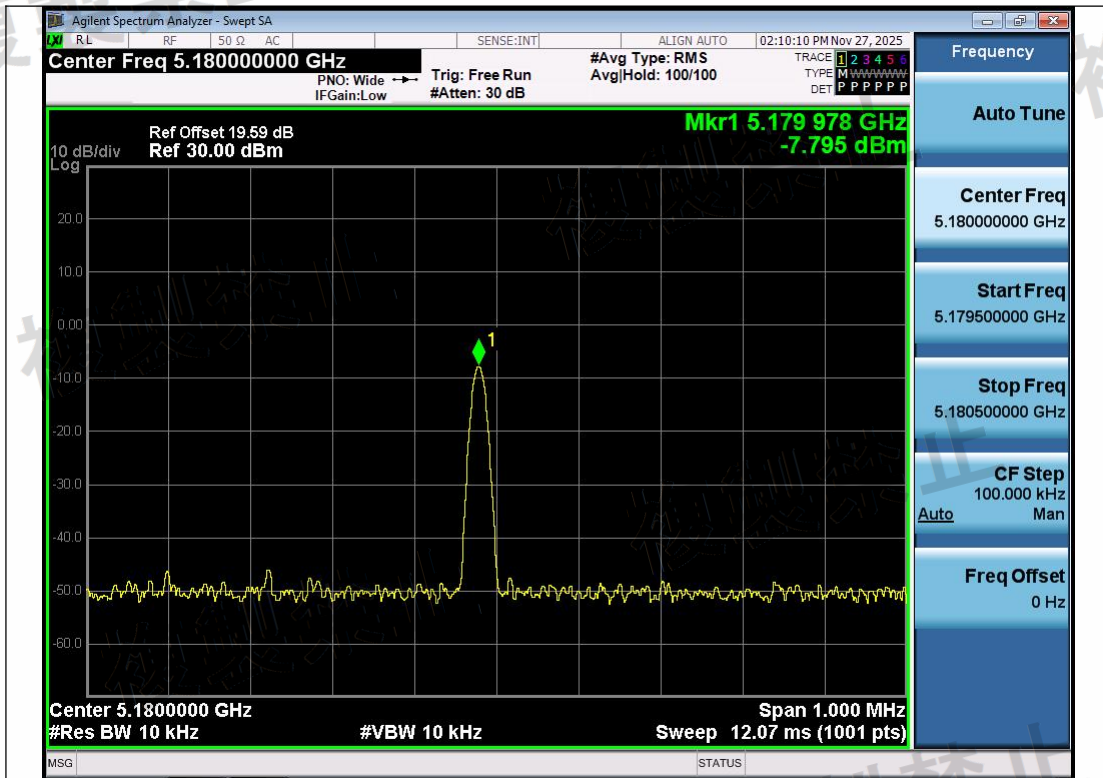


Remarks:

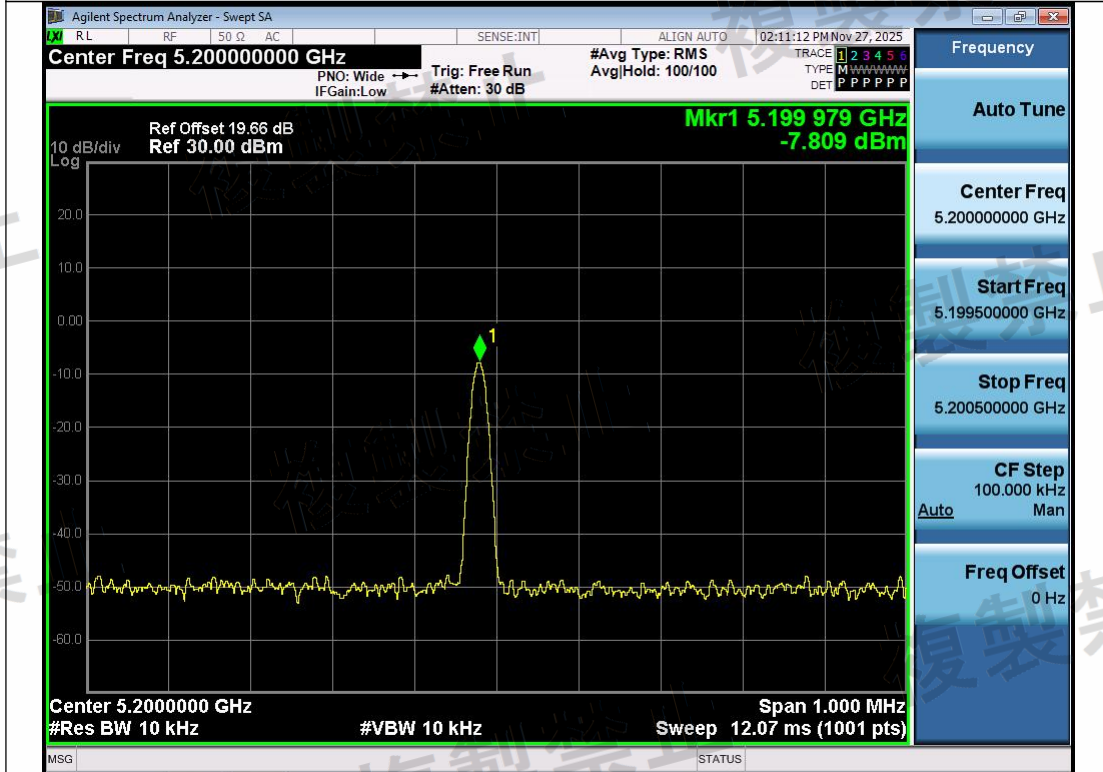
The spectrum analyzer could be connected to a monopole antenna or directly connected to the EUT, if the EUT has already employing an antenna connector.

7.1.4. TEST RESULTS

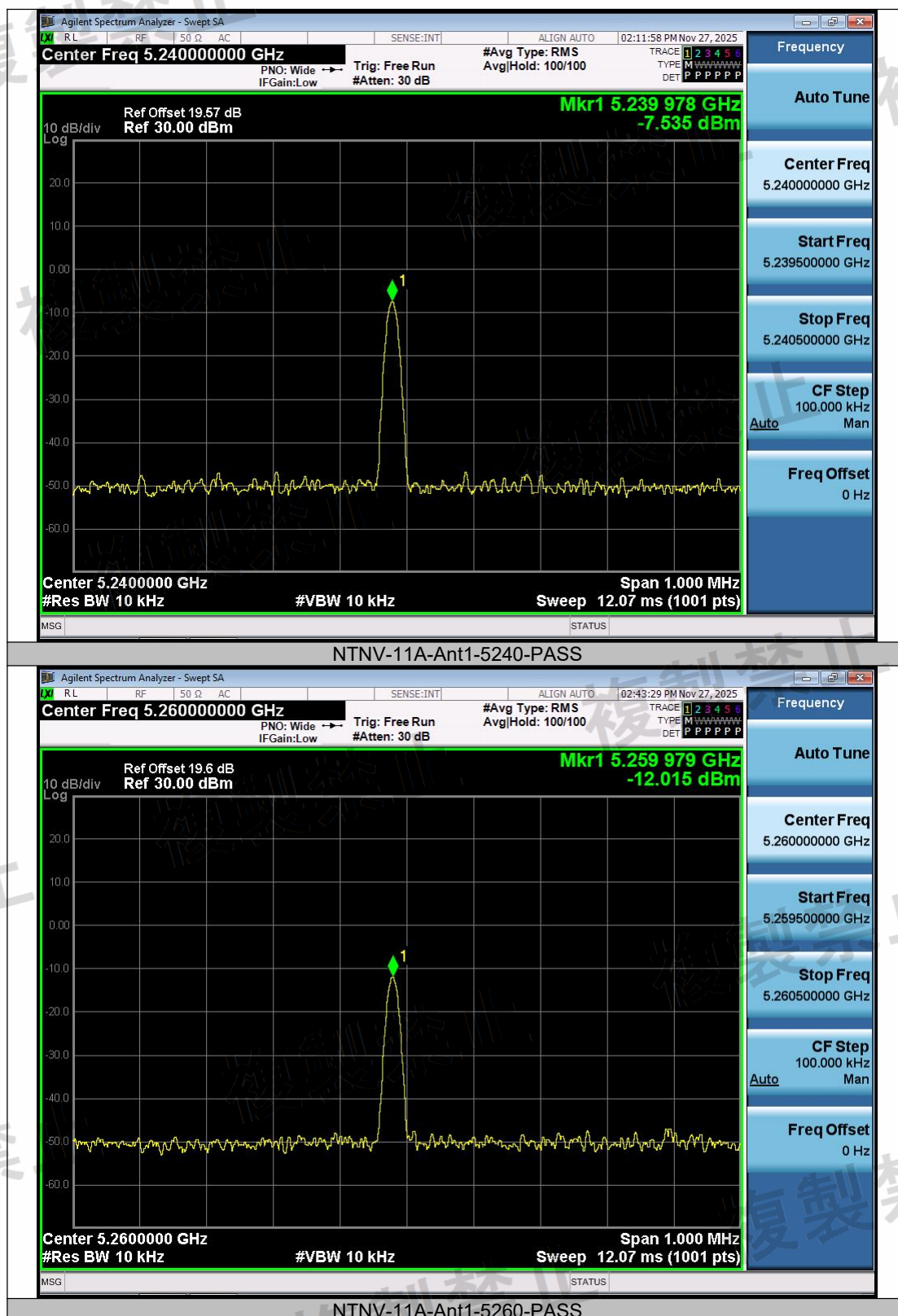
TestCondition	TestMode	Antenna	Frequency[MHz]	CenterFreq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	11A	Ant1	5180	5179.978	-4.24710	±20	PASS
NTNV	11A	Ant1	5200	5199.979	-4.03846	±20	PASS
NTNV	11A	Ant1	5240	5239.978	-4.19847	±20	PASS
NTNV	11A	Ant1	5260	5259.979	-3.99240	±20	PASS
NTNV	11A	Ant1	5280	5279.979	-3.97727	±20	PASS
NTNV	11A	Ant1	5320	5319.979	-3.94737	±20	PASS
NTNV	11A	Ant1	5500	5499.977	-4.18182	±20	PASS
NTNV	11A	Ant1	5580	5579.98	-3.58423	±20	PASS
NTNV	11A	Ant1	5700	5699.977	-4.03509	±20	PASS
NTNV	11N20SISO	Ant1	5180	5179.978	-4.24710	±20	PASS
NTNV	11N20SISO	Ant1	5200	5199.979	-4.03846	±20	PASS
NTNV	11N20SISO	Ant1	5240	5239.979	-4.00763	±20	PASS
NTNV	11N20SISO	Ant1	5260	5259.979	-3.99240	±20	PASS
NTNV	11N20SISO	Ant1	5280	5279.977	-4.35606	±20	PASS
NTNV	11N20SISO	Ant1	5320	5319.982	-3.38346	±20	PASS
NTNV	11N20SISO	Ant1	5500	5499.98	-3.63636	±20	PASS
NTNV	11N20SISO	Ant1	5580	5579.981	-3.40502	±20	PASS
NTNV	11N20SISO	Ant1	5700	5699.98	-3.50877	±20	PASS
NTNV	11N40SISO	Ant1	5190	5189.984	-3.08285	±20	PASS
NTNV	11N40SISO	Ant1	5230	5229.979	-4.01530	±20	PASS
NTNV	11N40SISO	Ant1	5270	5269.978	-4.17457	±20	PASS
NTNV	11N40SISO	Ant1	5310	5309.977	-4.33145	±20	PASS
NTNV	11N40SISO	Ant1	5510	5509.976	-4.35572	±20	PASS
NTNV	11N40SISO	Ant1	5670	5669.981	-3.35097	±20	PASS
NTNV	11AC20SISO	Ant1	5180	5179.977	-4.44015	±20	PASS
NTNV	11AC20SISO	Ant1	5200	5199.978	-4.23077	±20	PASS
NTNV	11AC20SISO	Ant1	5240	5239.978	-4.19847	±20	PASS
NTNV	11AC20SISO	Ant1	5260	5259.978	-4.18251	±20	PASS
NTNV	11AC20SISO	Ant1	5280	5279.981	-3.59849	±20	PASS
NTNV	11AC20SISO	Ant1	5320	5319.981	-3.57143	±20	PASS
NTNV	11AC20SISO	Ant1	5500	5499.981	-3.45455	±20	PASS
NTNV	11AC20SISO	Ant1	5580	5579.978	-3.94265	±20	PASS
NTNV	11AC20SISO	Ant1	5700	5699.977	-4.03509	±20	PASS
NTNV	11AC40SISO	Ant1	5190	5189.979	-4.04624	±20	PASS
NTNV	11AC40SISO	Ant1	5230	5229.98	-3.82409	±20	PASS
NTNV	11AC40SISO	Ant1	5270	5269.98	-3.79507	±20	PASS
NTNV	11AC40SISO	Ant1	5310	5309.979	-3.95480	±20	PASS
NTNV	11AC40SISO	Ant1	5510	5509.978	-3.99274	±20	PASS
NTNV	11AC40SISO	Ant1	5670	5669.976	-4.23280	±20	PASS
NTNV	11AX20SISO	Ant1	5180	5179.982	-3.47490	±20	PASS
NTNV	11AX20SISO	Ant1	5200	5199.981	-3.65385	±20	PASS
NTNV	11AX20SISO	Ant1	5240	5239.981	-3.62595	±20	PASS
NTNV	11AX20SISO	Ant1	5260	5259.981	-3.61217	±20	PASS
NTNV	11AX20SISO	Ant1	5280	5279.98	-3.78788	±20	PASS
NTNV	11AX20SISO	Ant1	5320	5319.98	-3.75940	±20	PASS
NTNV	11AX20SISO	Ant1	5500	5499.979	-3.81818	±20	PASS
NTNV	11AX20SISO	Ant1	5580	5579.979	-3.76344	±20	PASS
NTNV	11AX20SISO	Ant1	5700	5699.978	-3.85965	±20	PASS
NTNV	11AX40SISO	Ant1	5190	5189.98	-3.85357	±20	PASS
NTNV	11AX40SISO	Ant1	5230	5229.984	-3.05927	±20	PASS
NTNV	11AX40SISO	Ant1	5270	5269.981	-3.60531	±20	PASS
NTNV	11AX40SISO	Ant1	5310	5309.98	-3.76648	±20	PASS
NTNV	11AX40SISO	Ant1	5510	5509.979	-3.81125	±20	PASS
NTNV	11AX40SISO	Ant1	5670	5669.978	-3.88007	±20	PASS

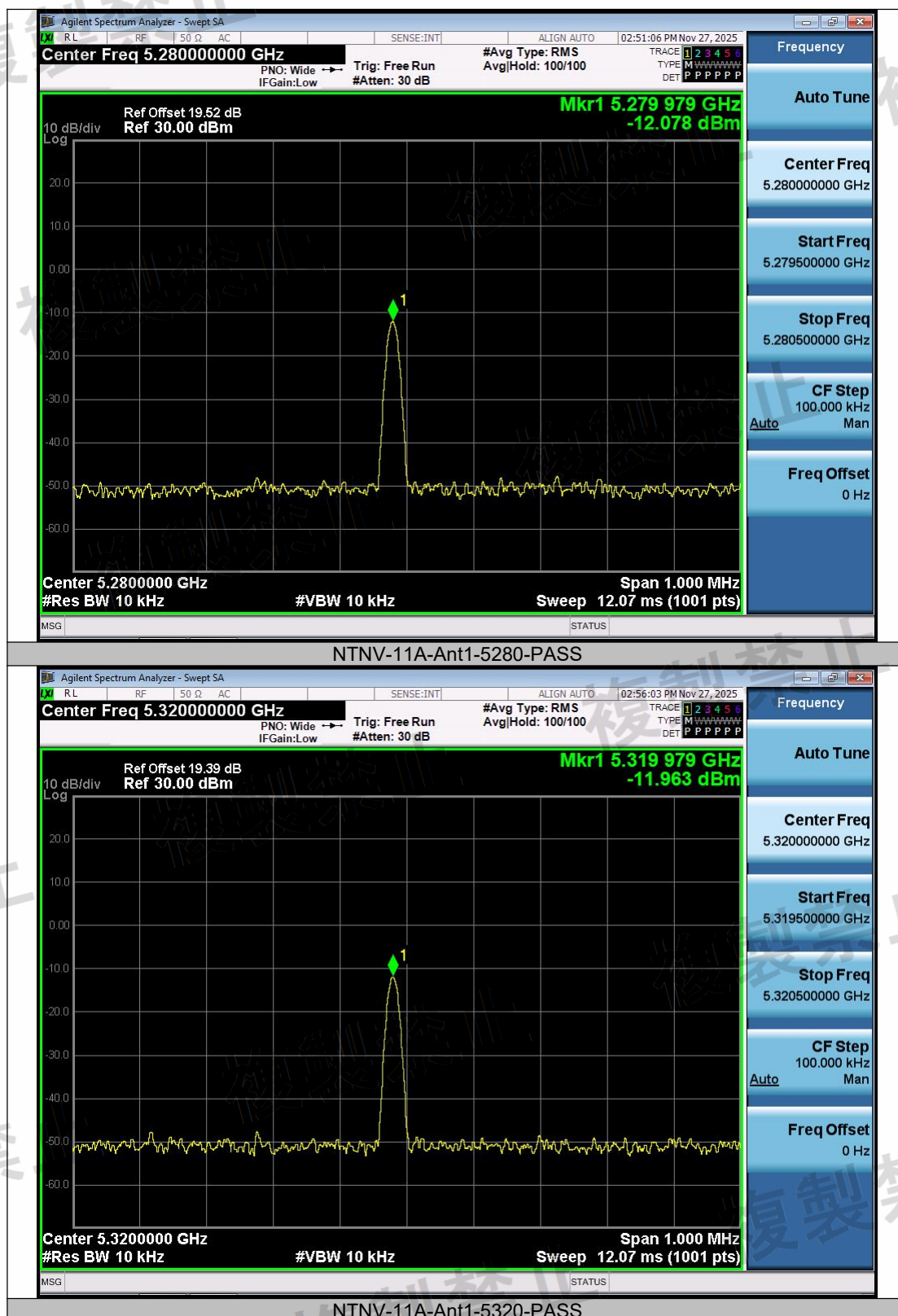


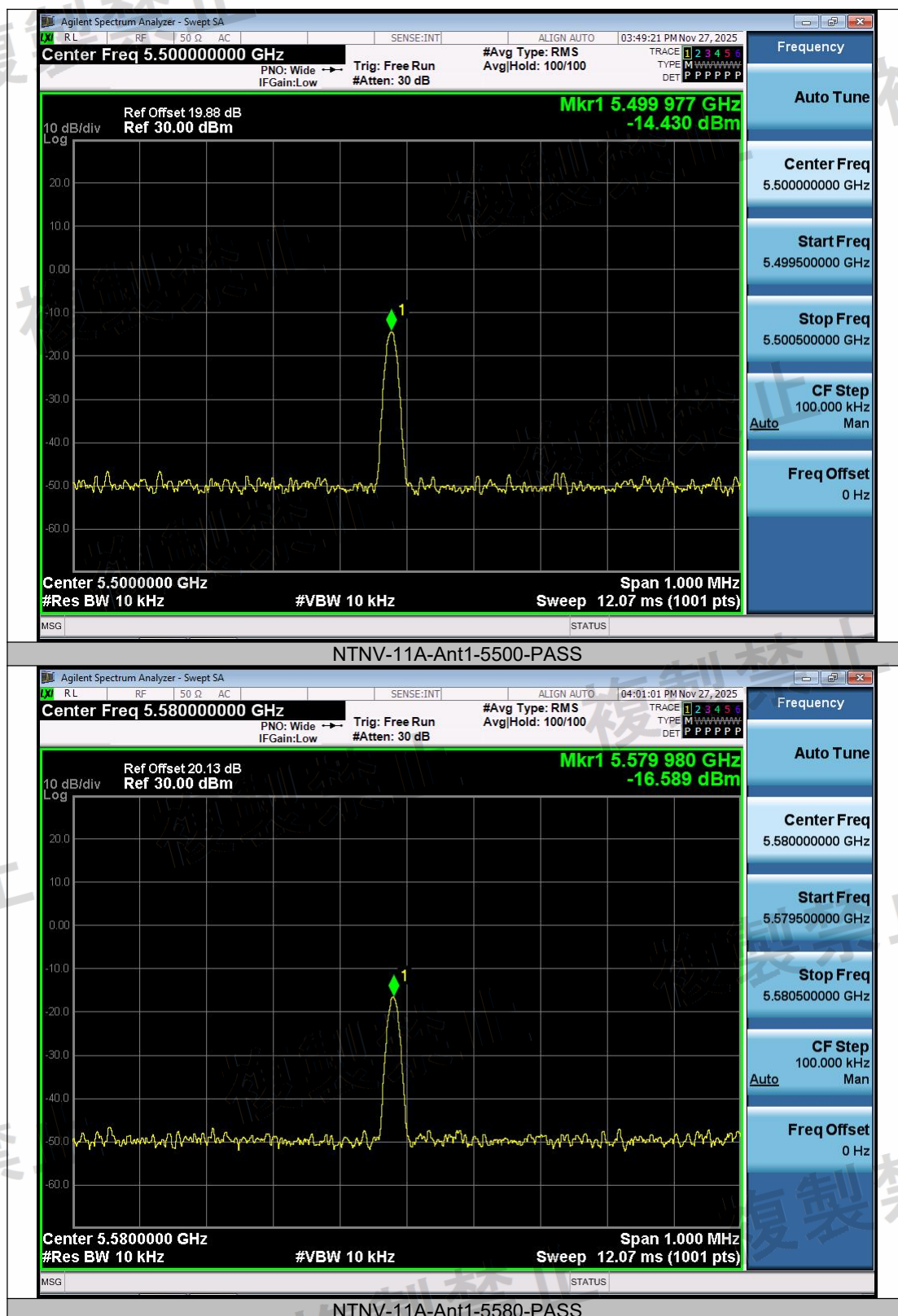
NTNV-11A-Ant1-5180-PASS

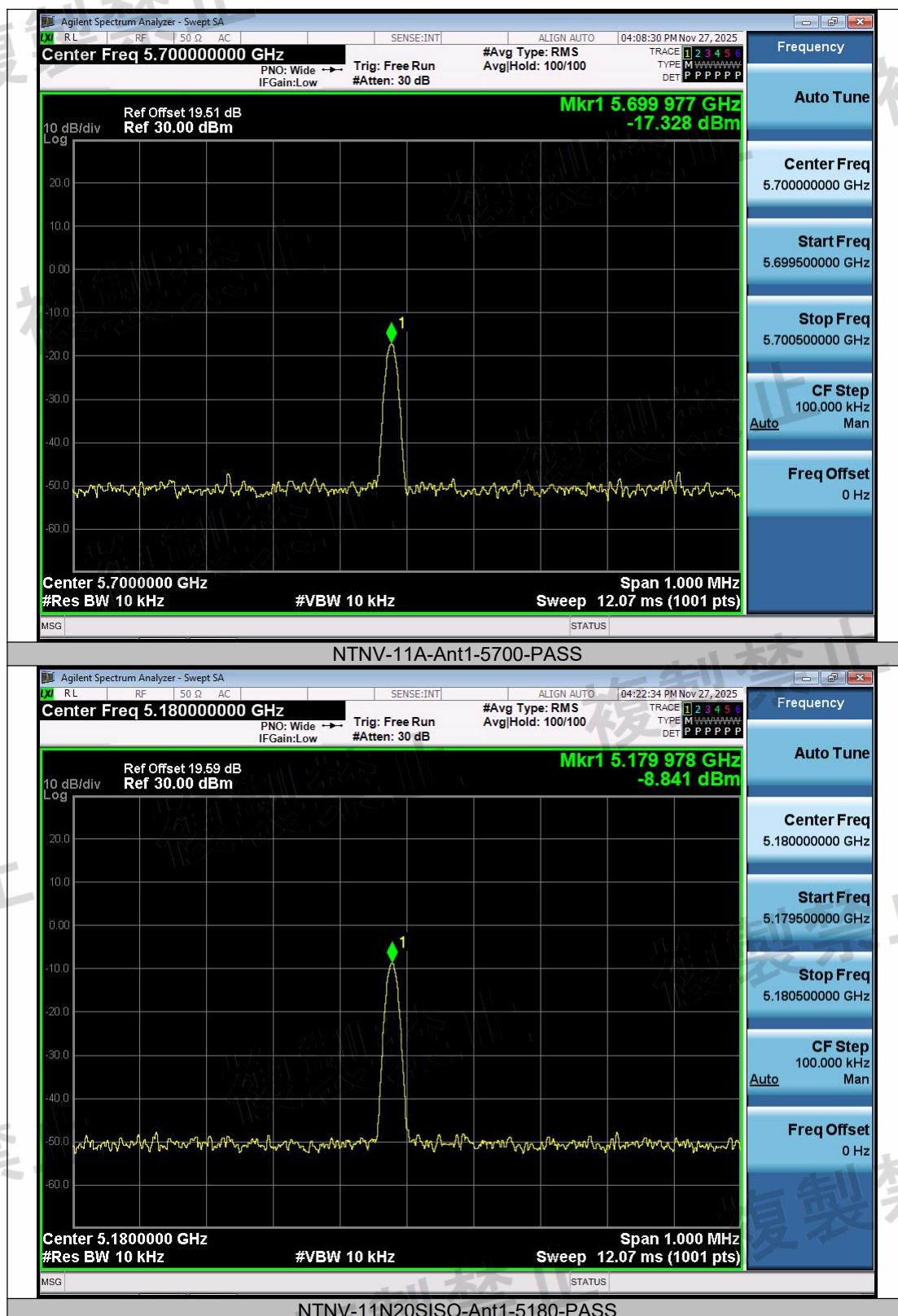


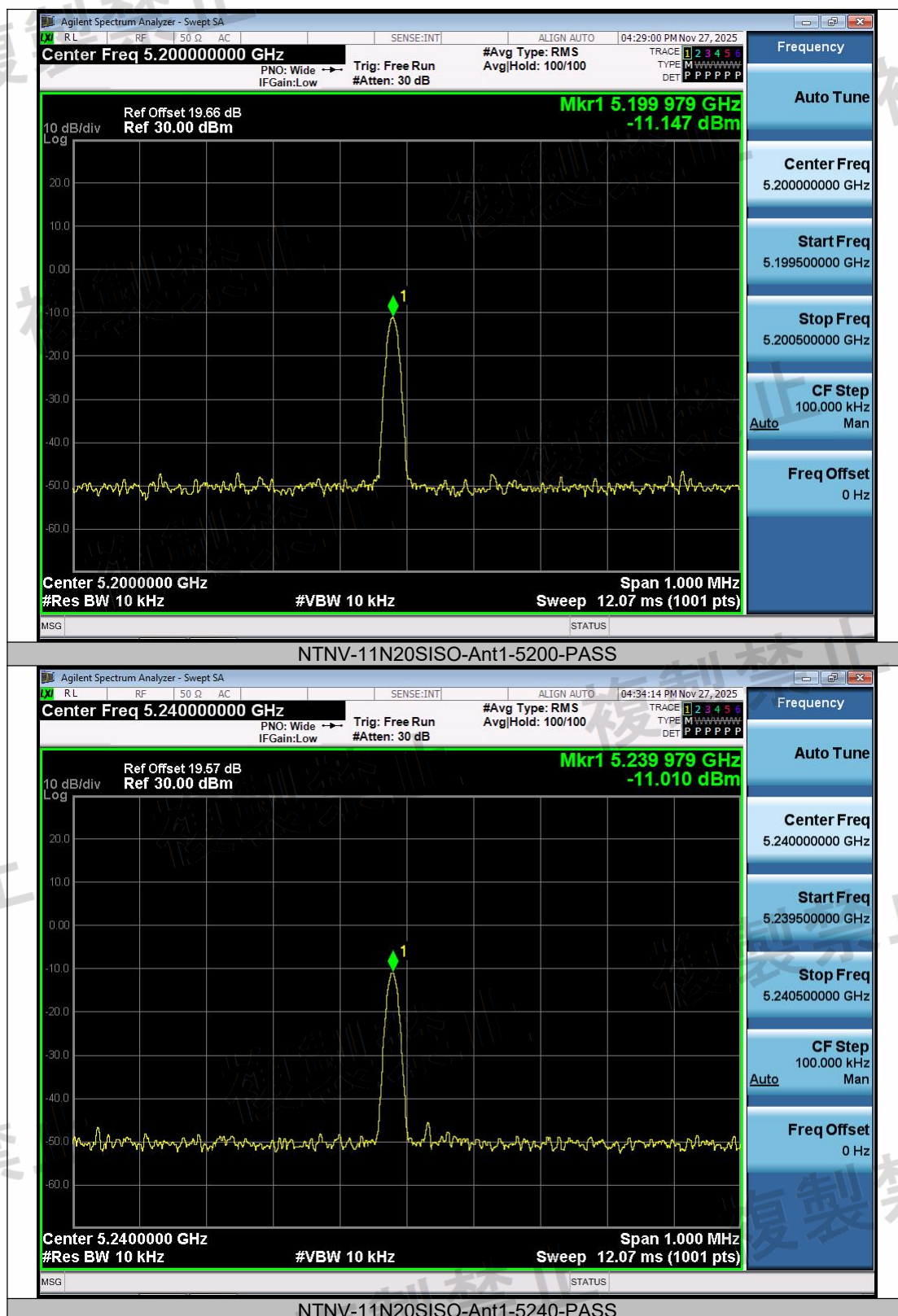
NTNV-11A-Ant1-5200-PASS

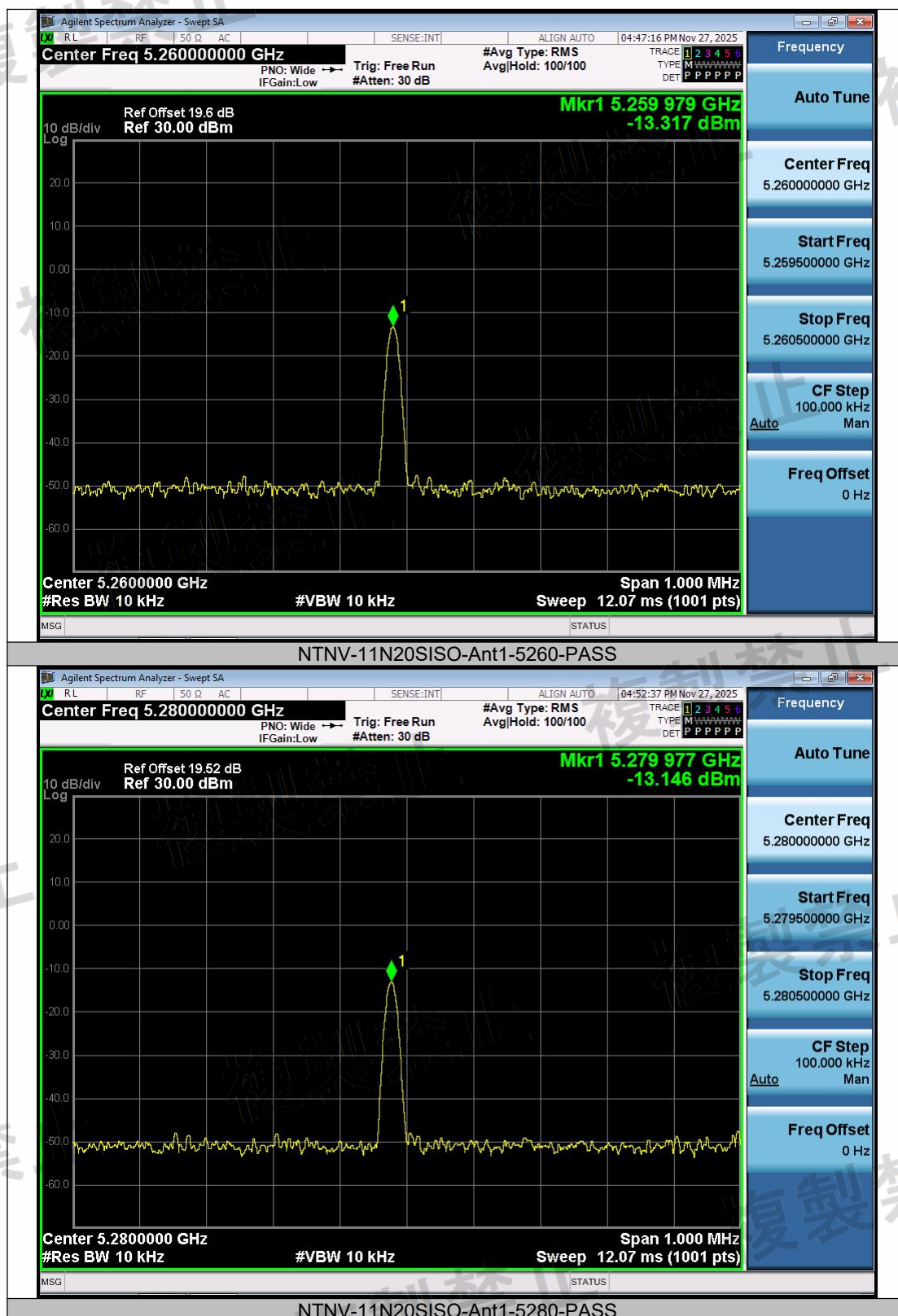


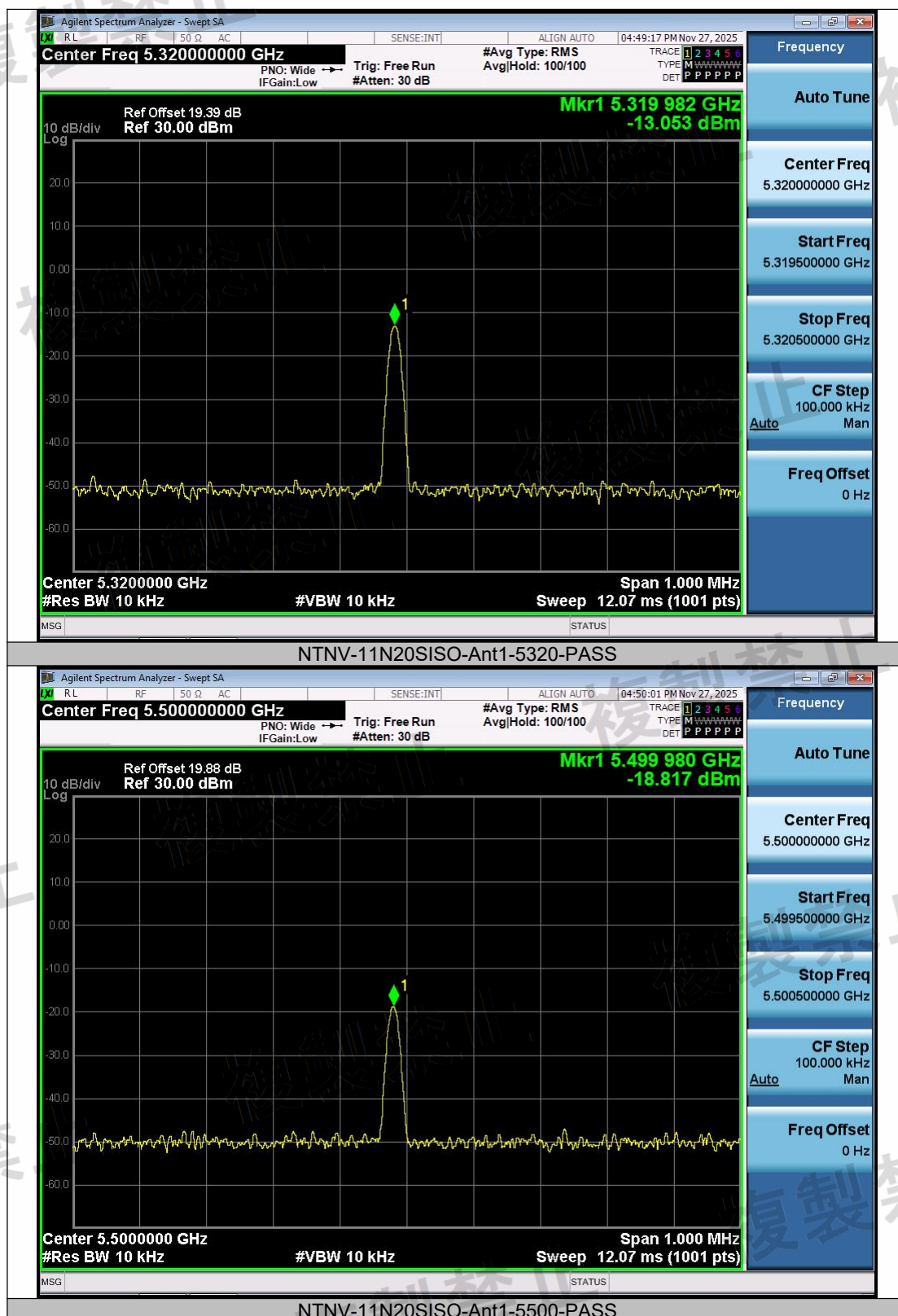


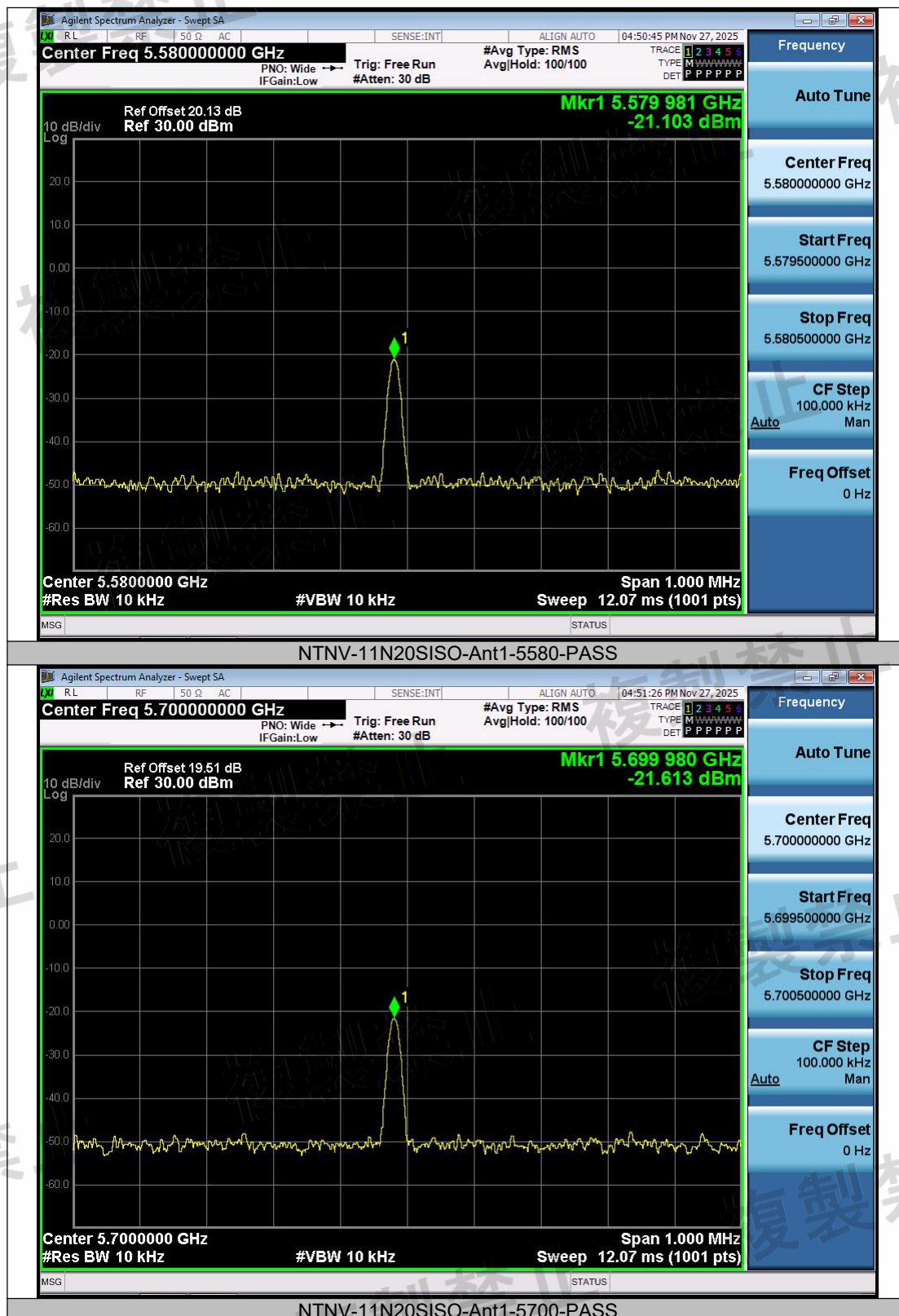


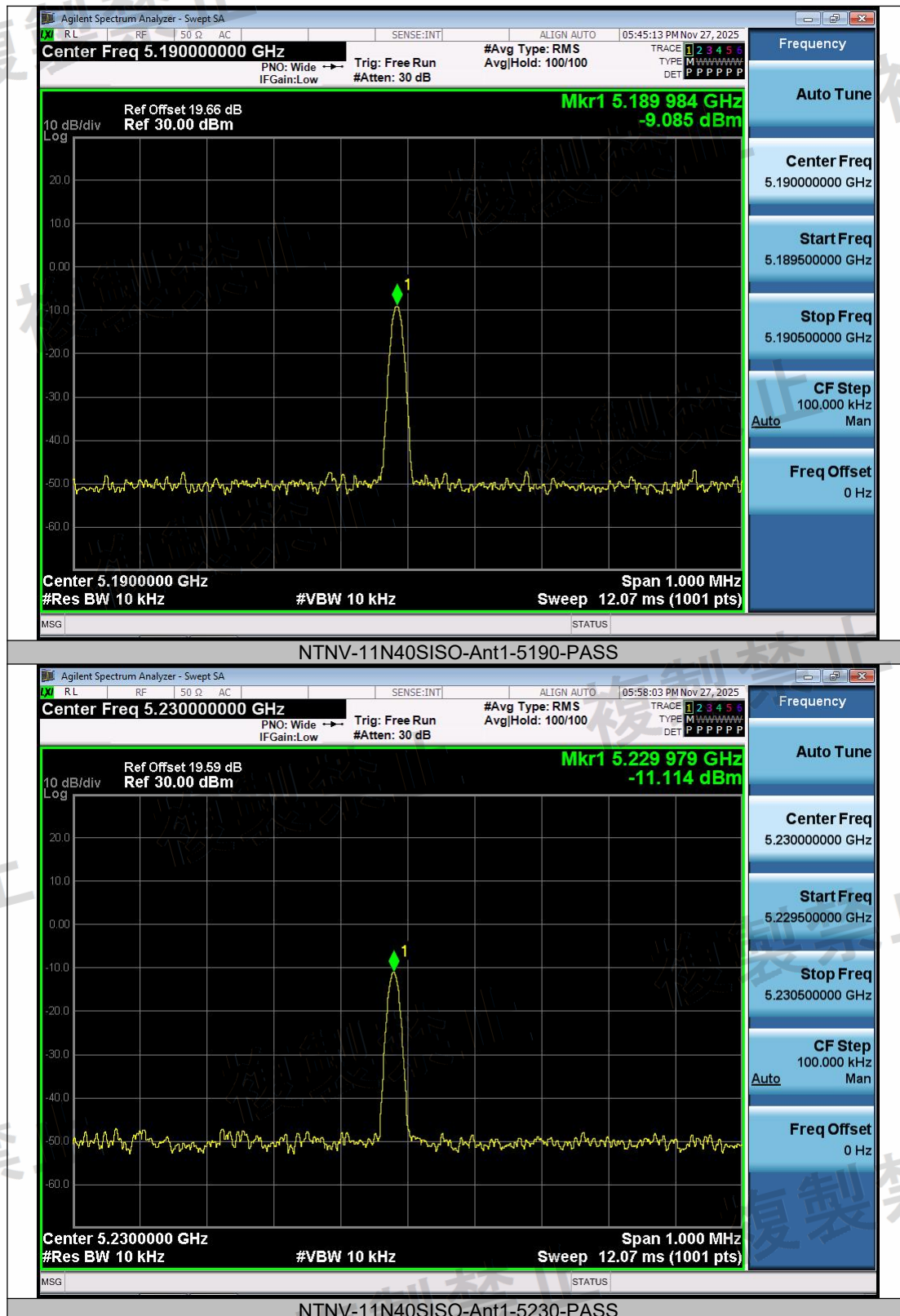


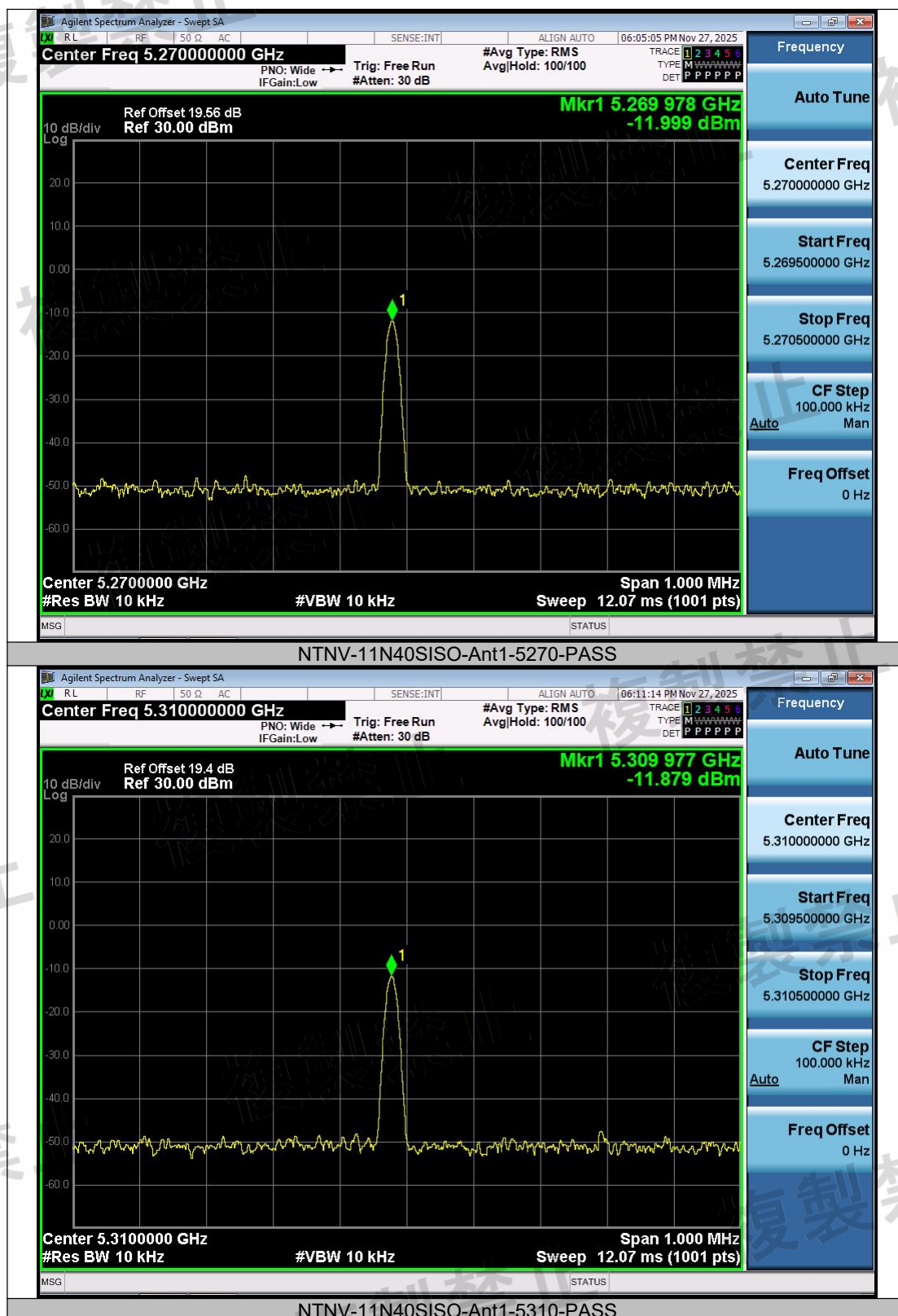


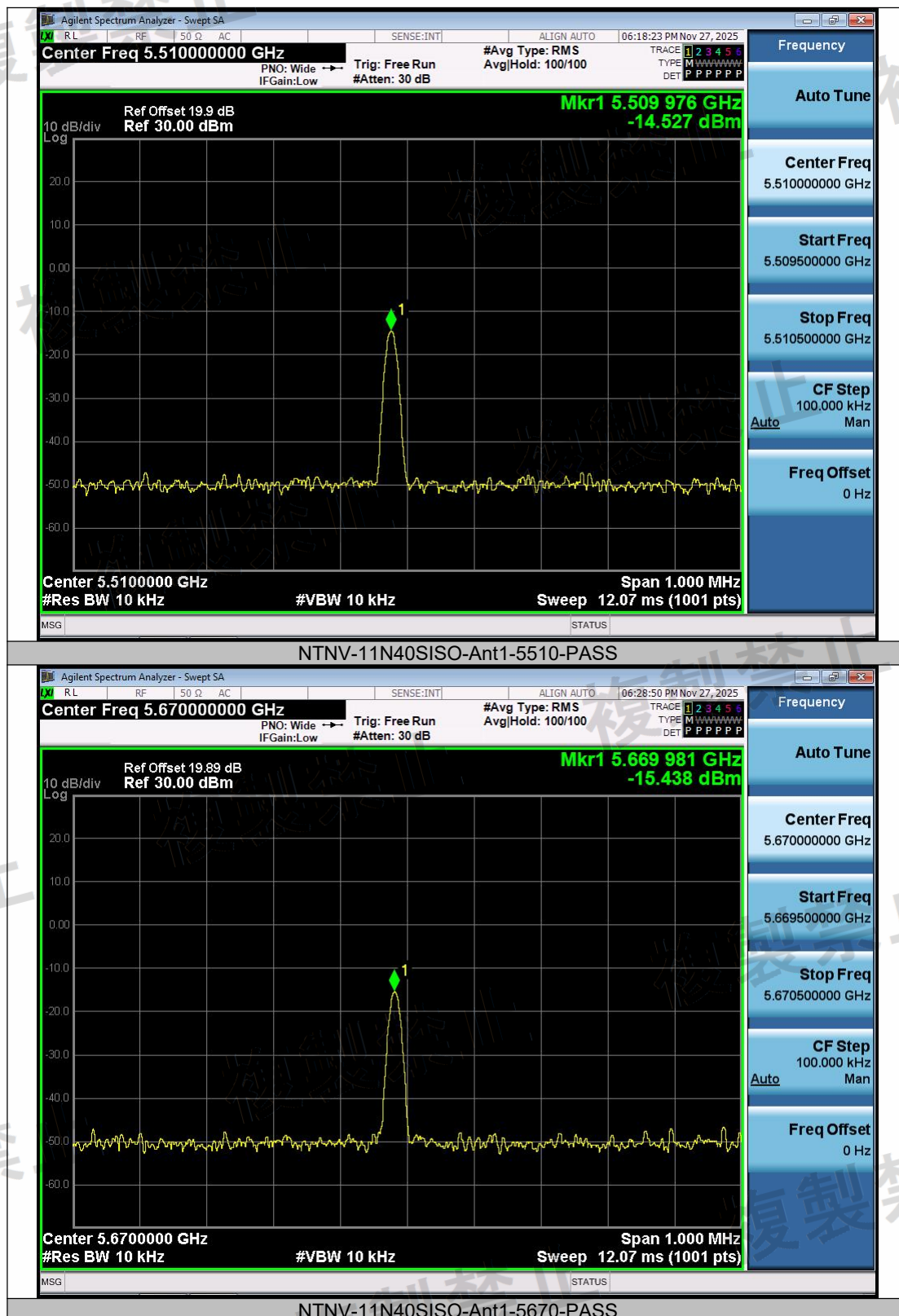


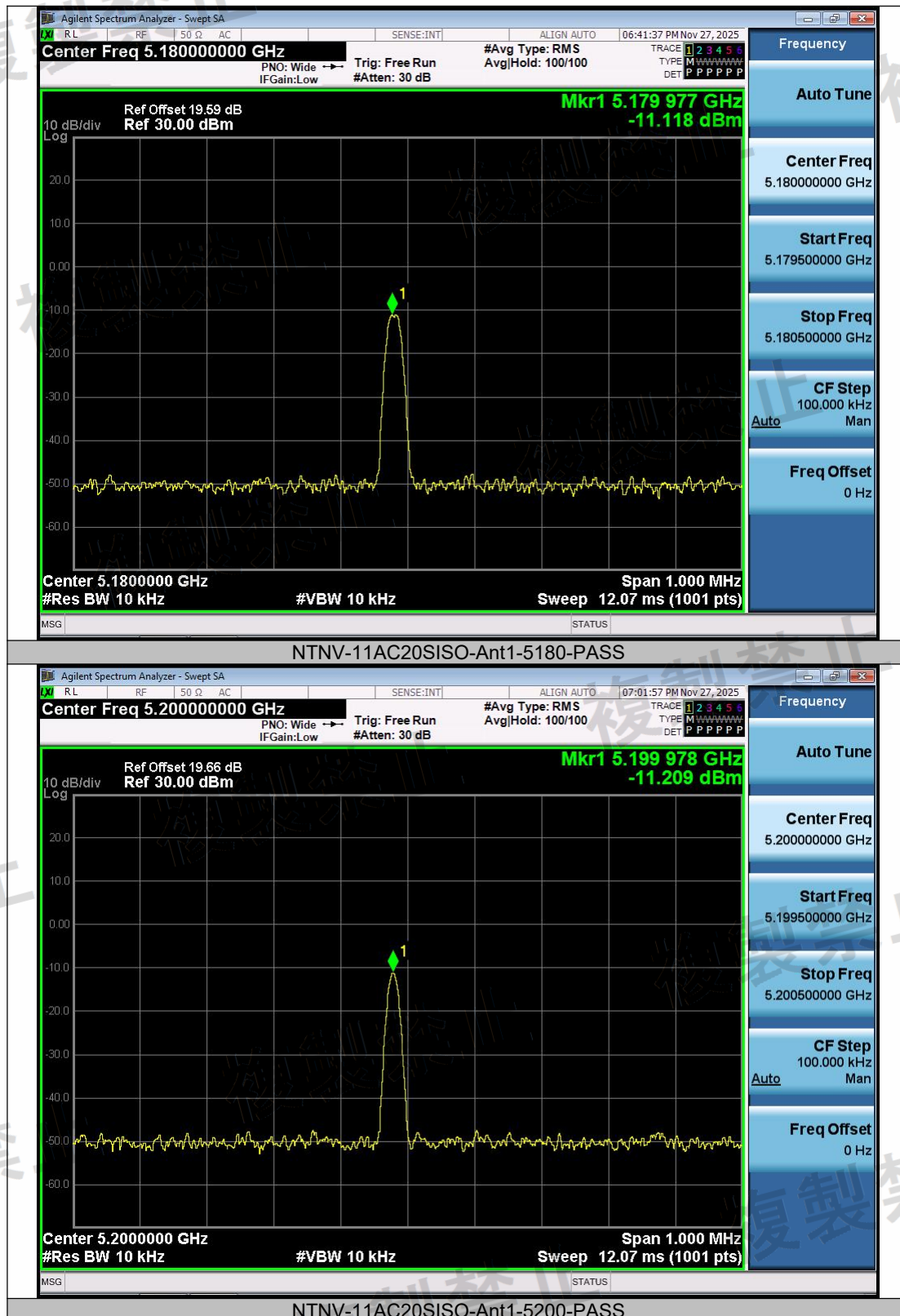


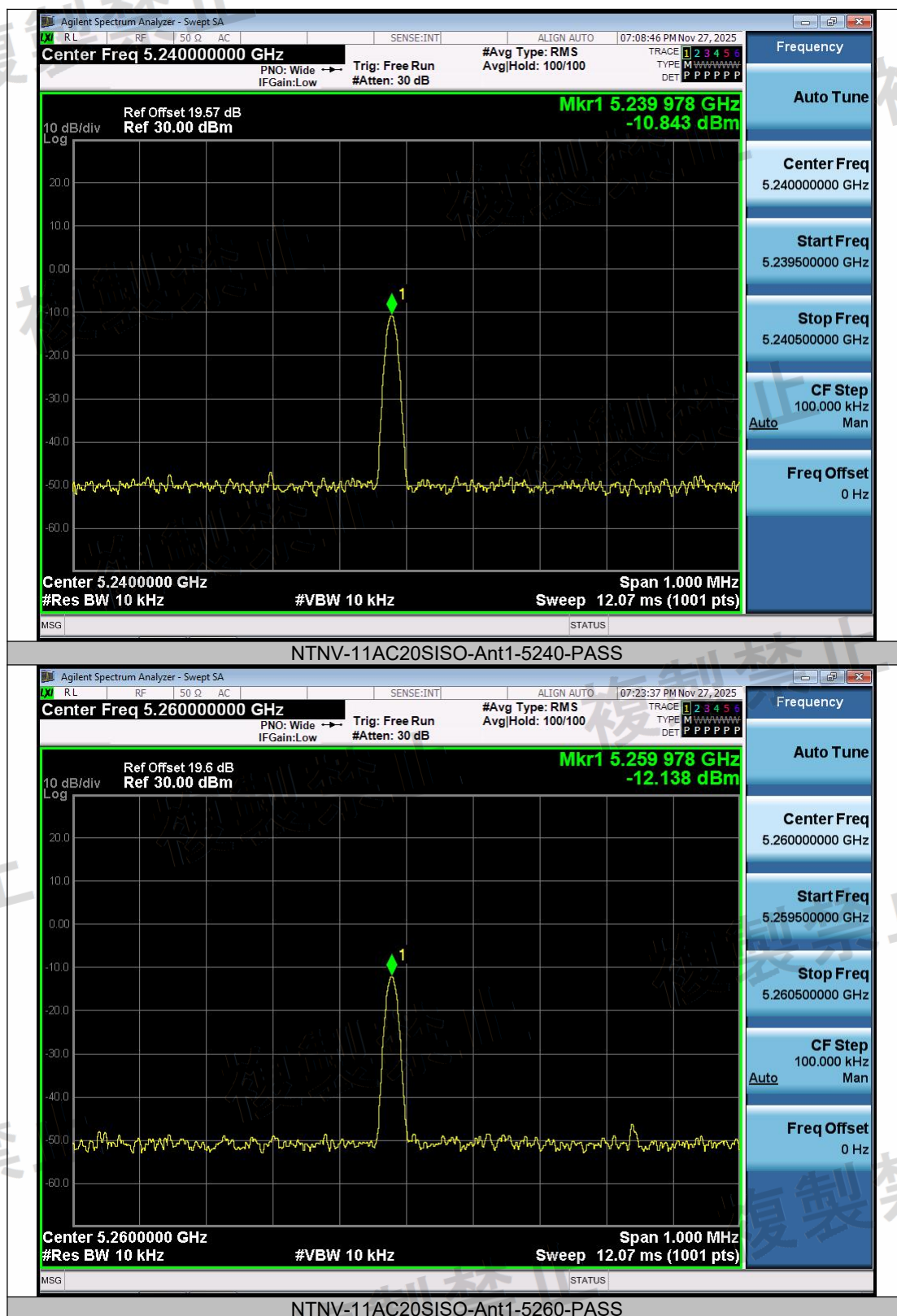


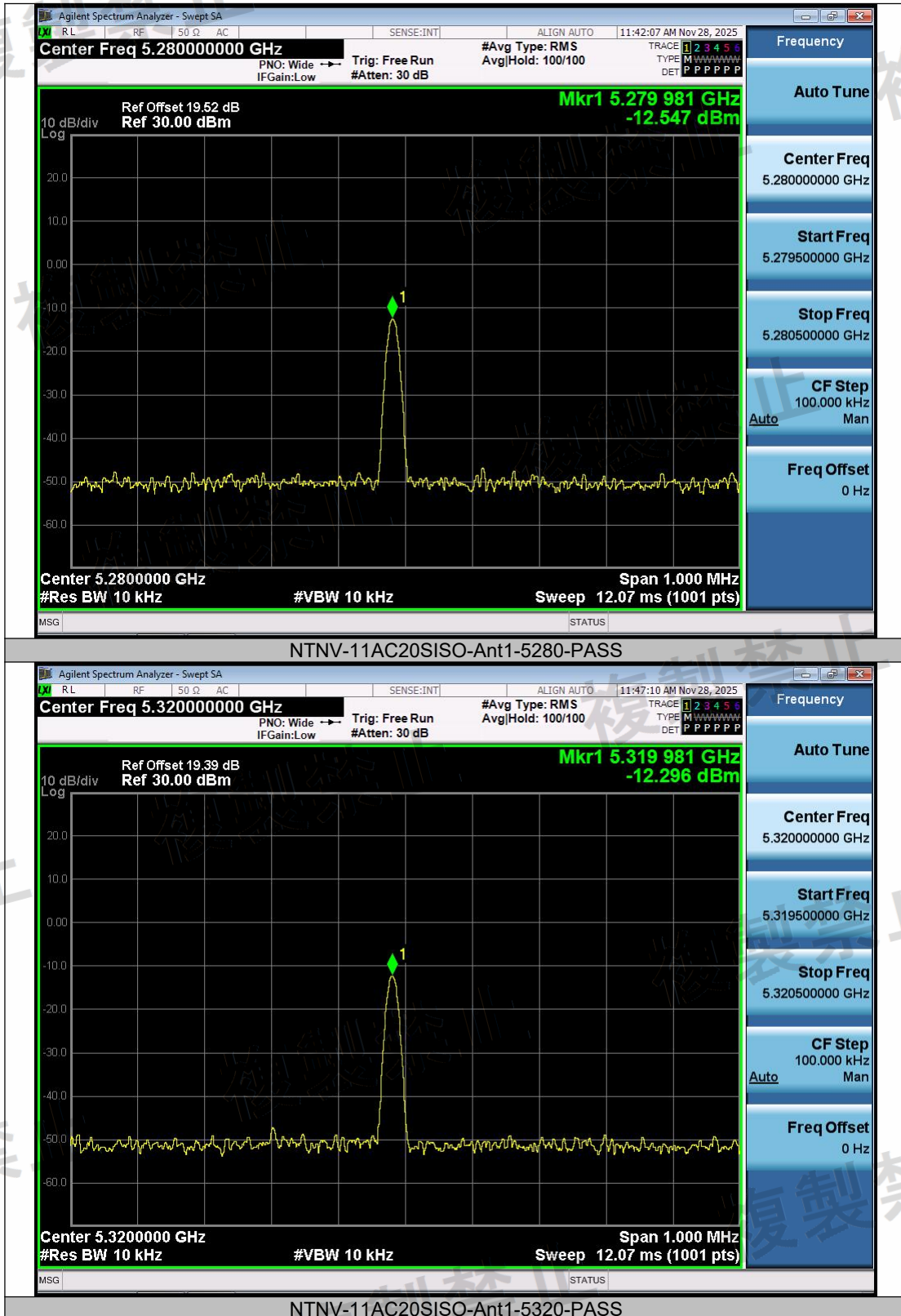


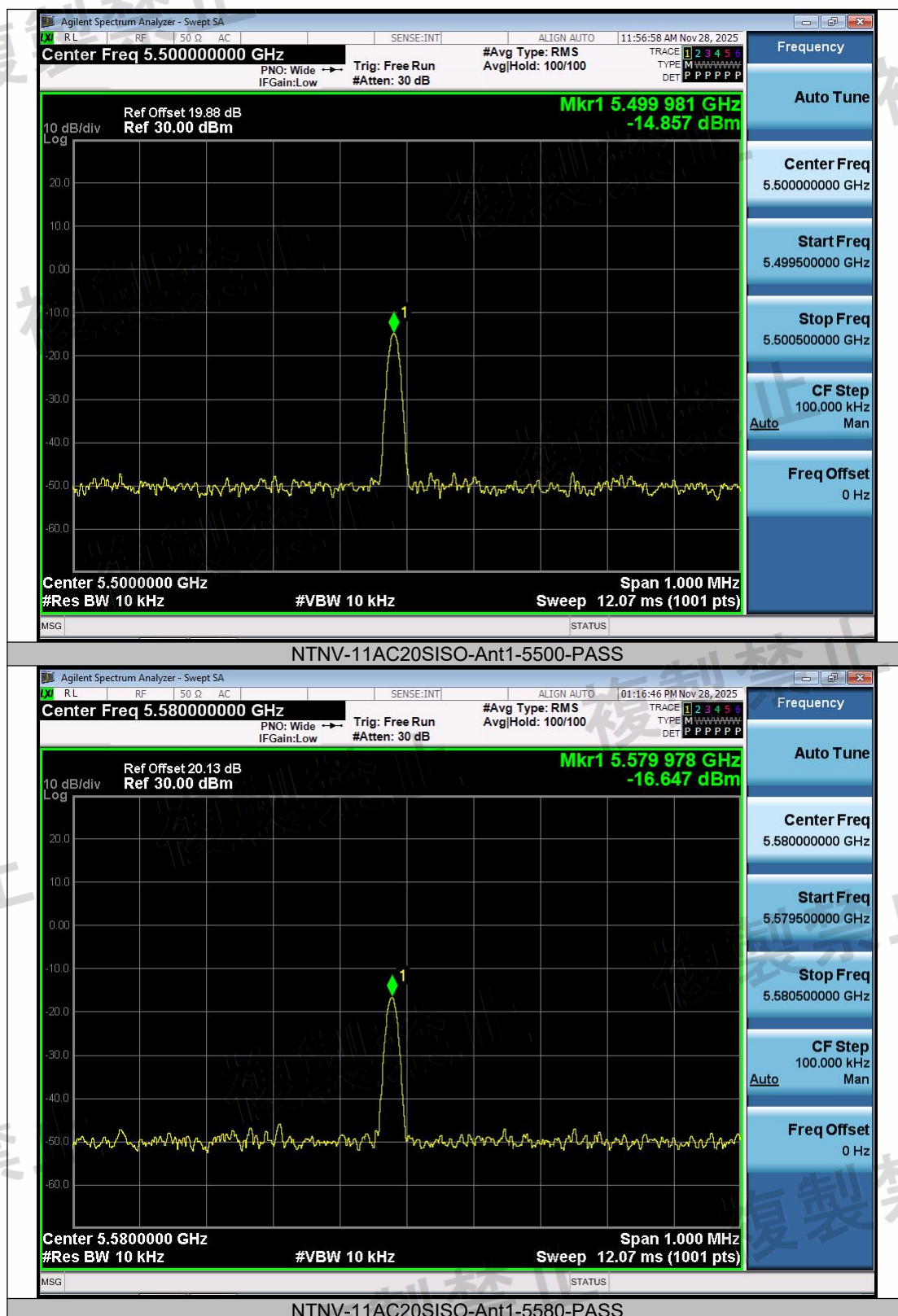


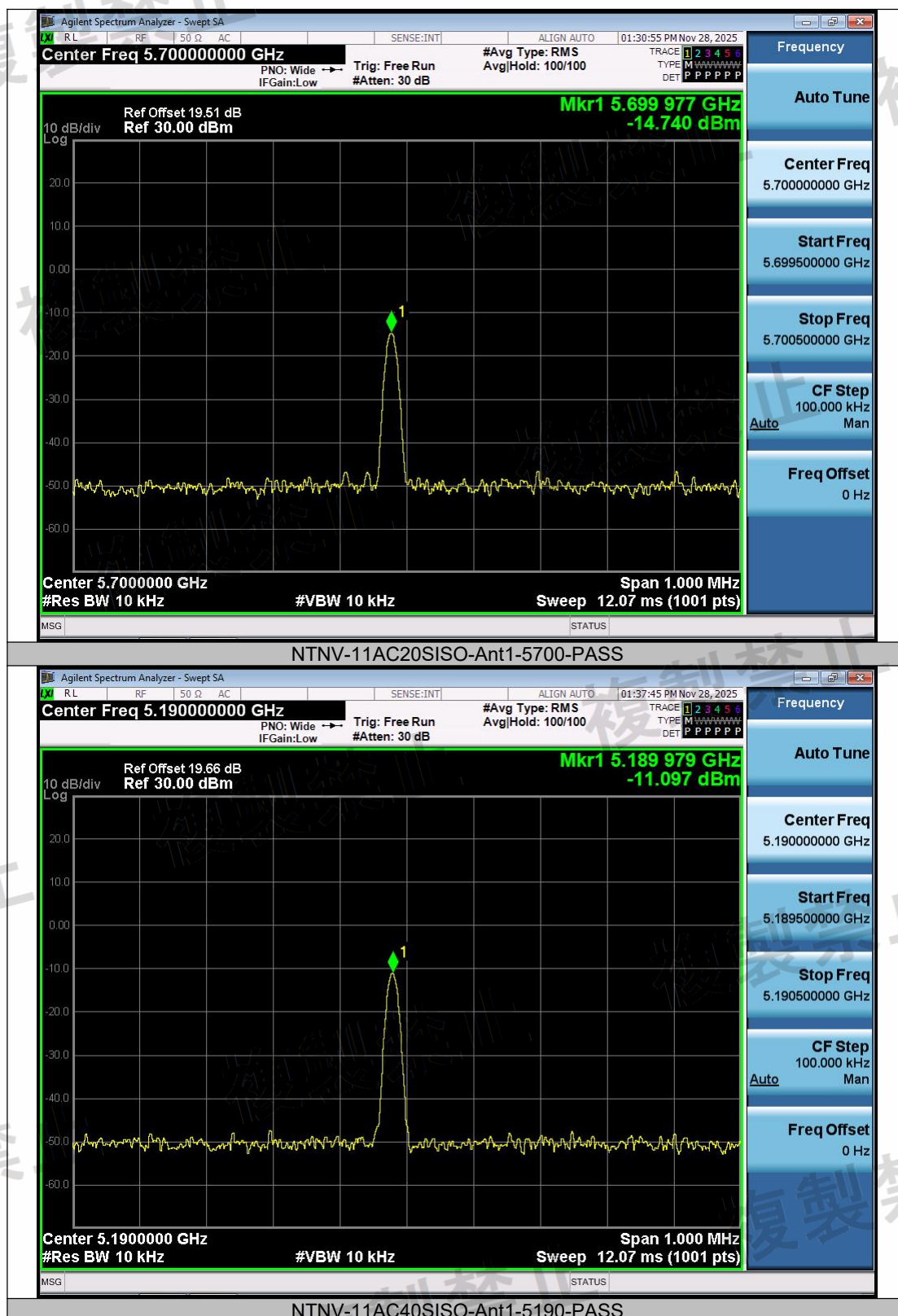


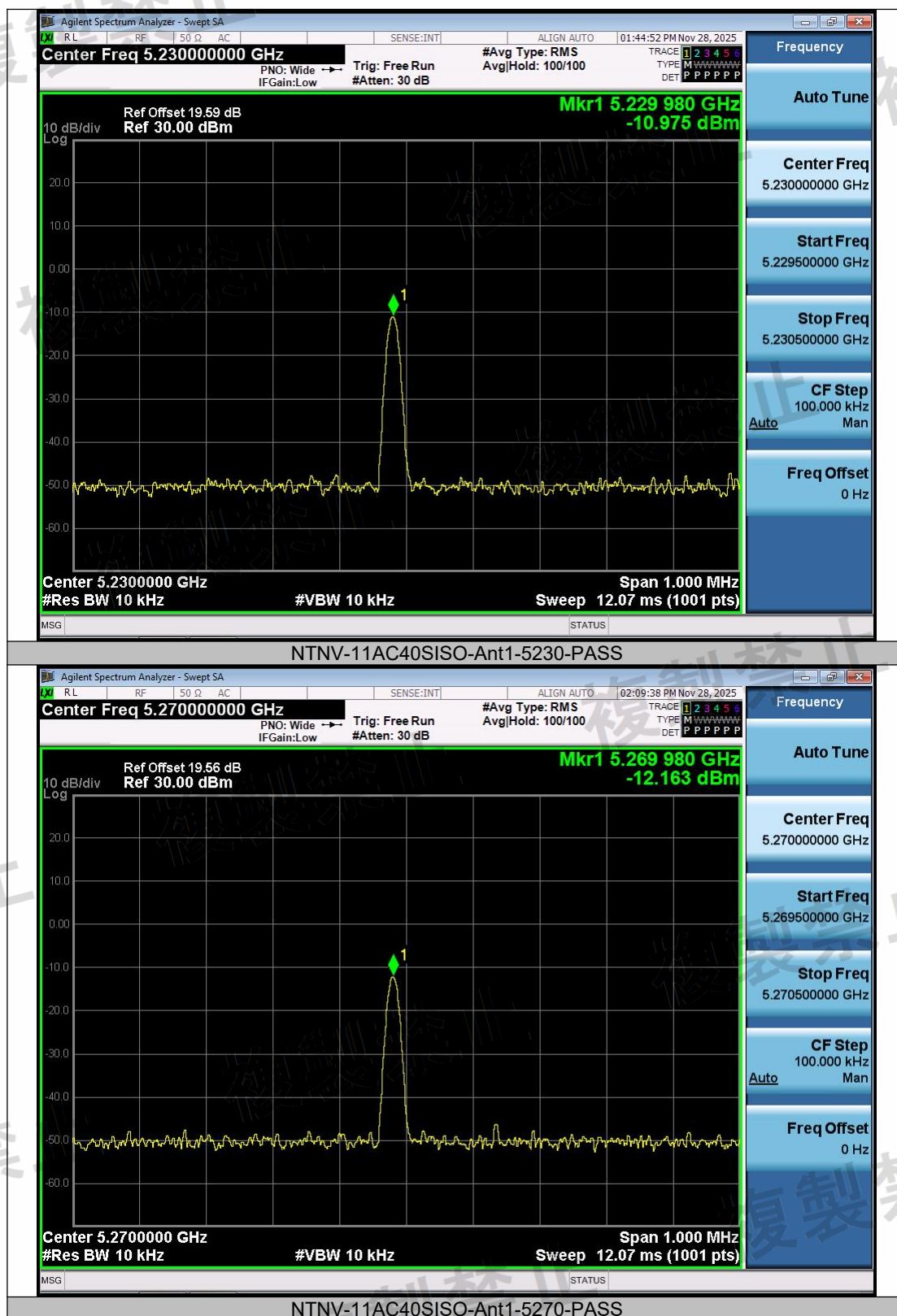


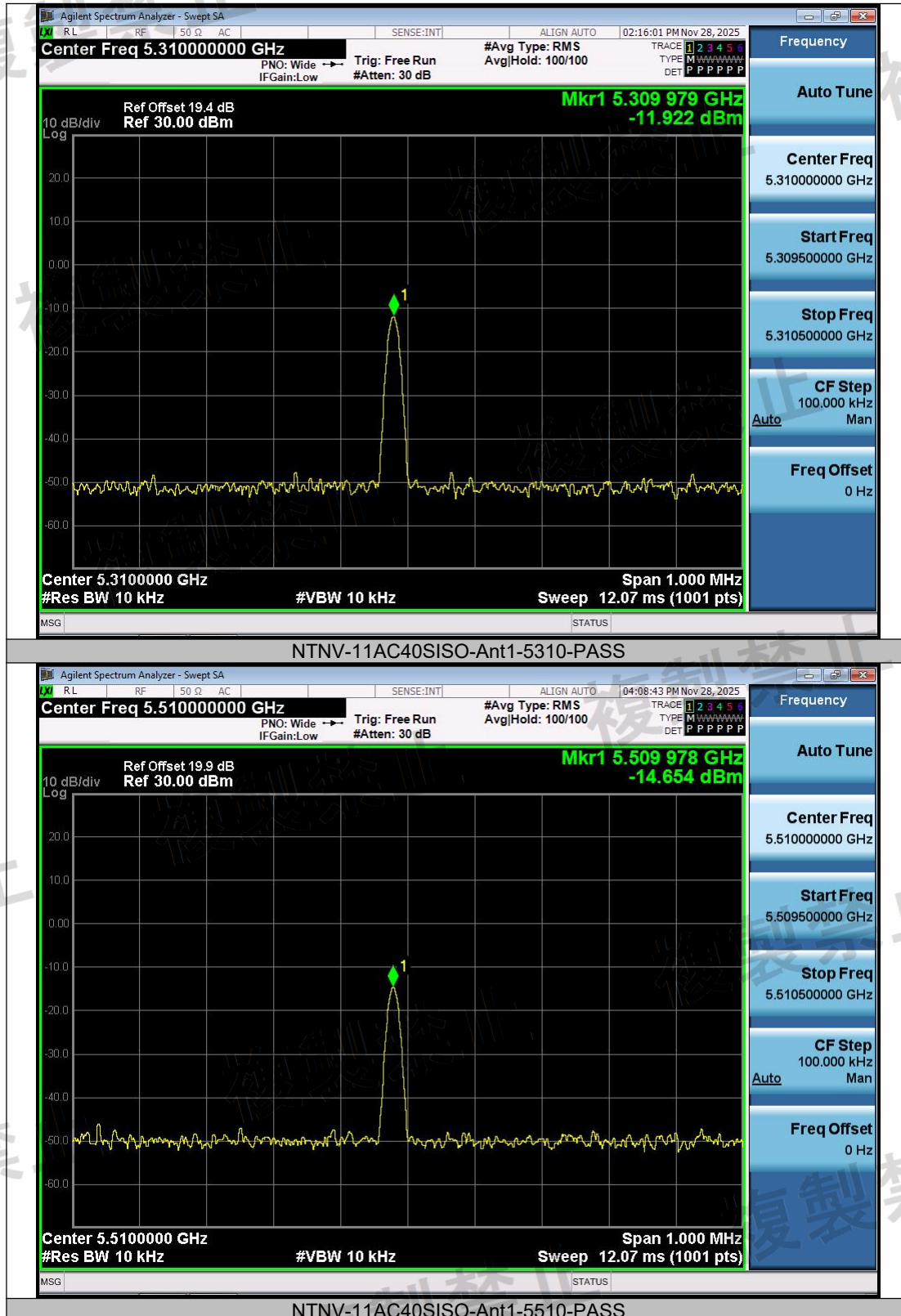


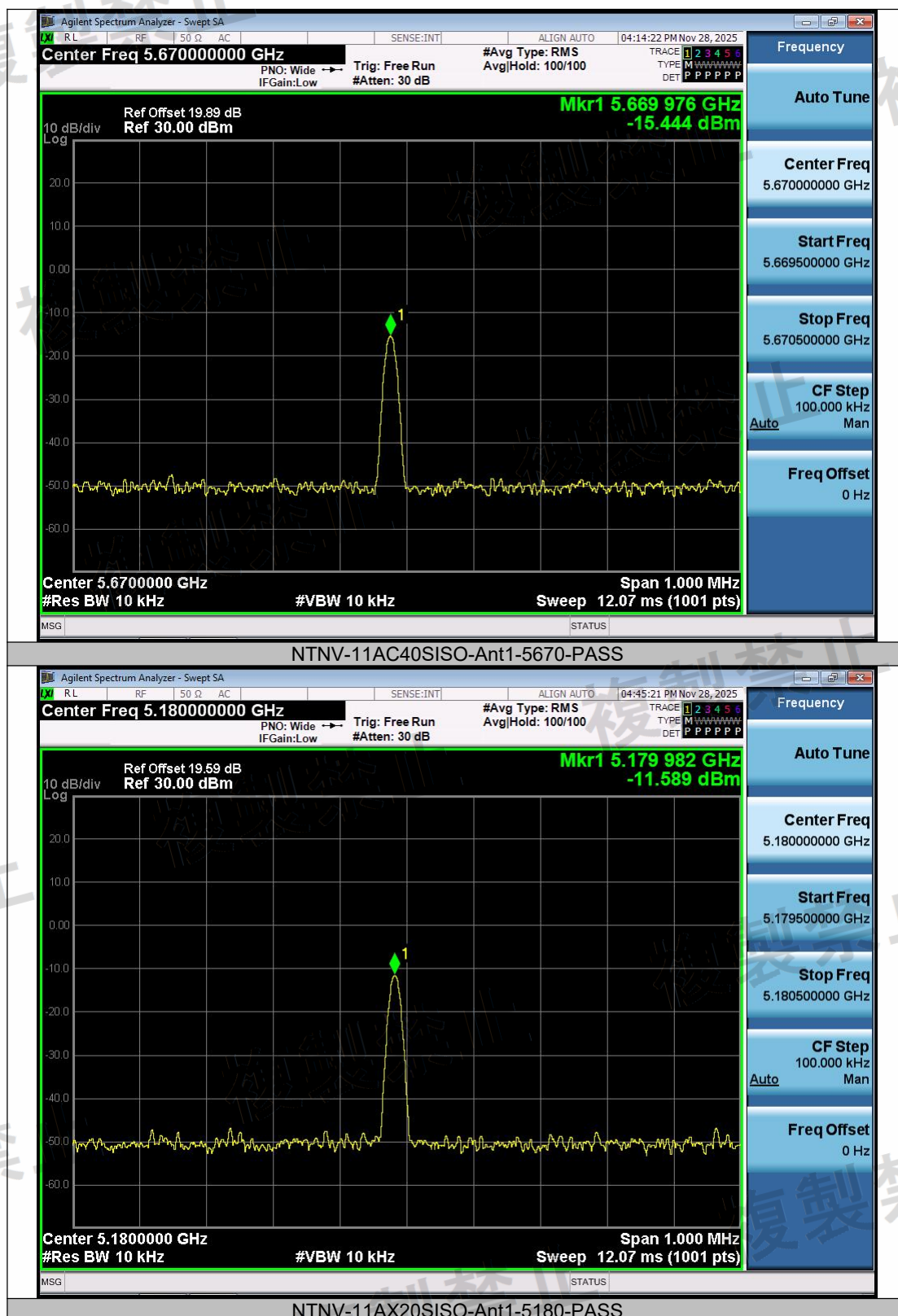


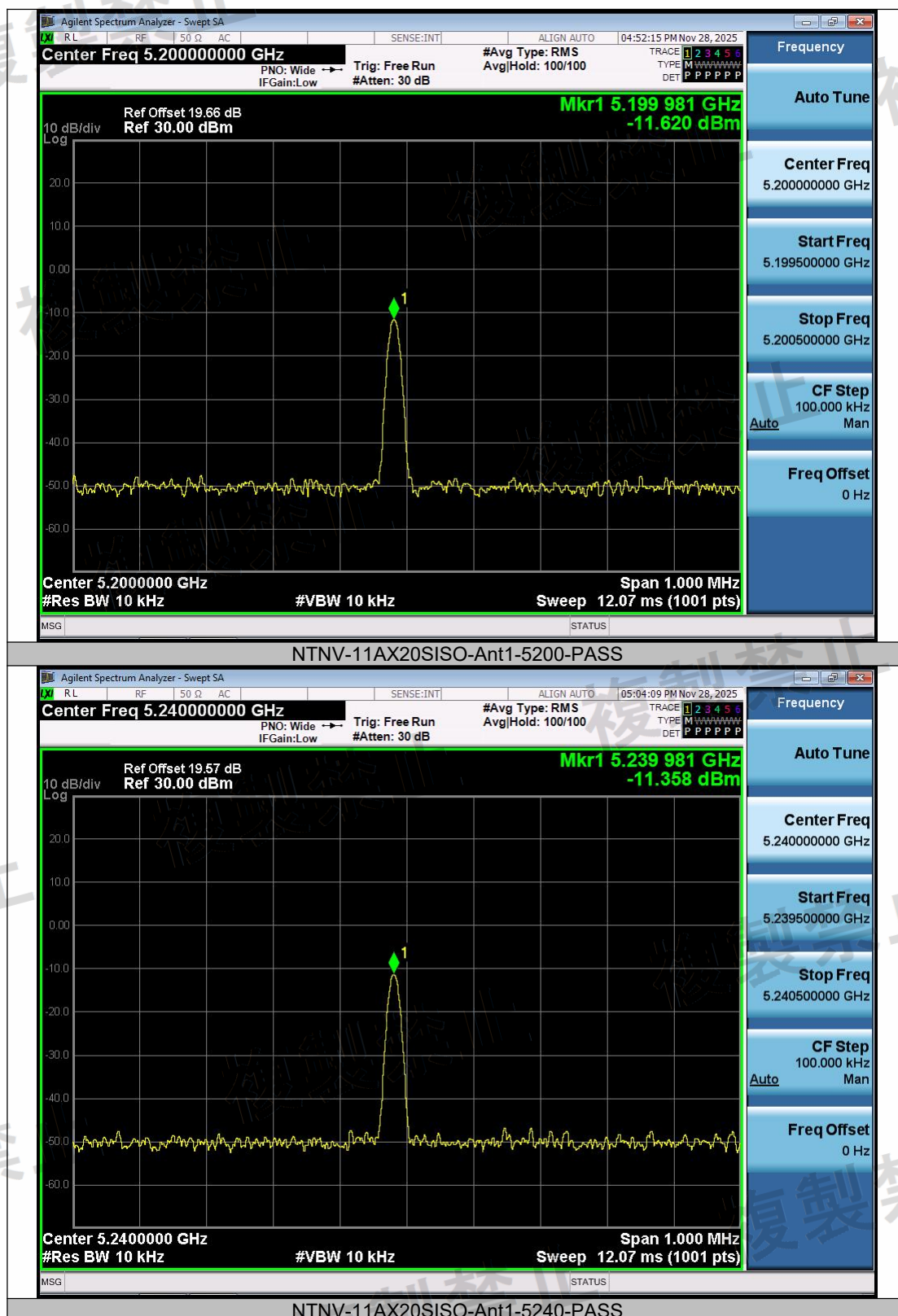


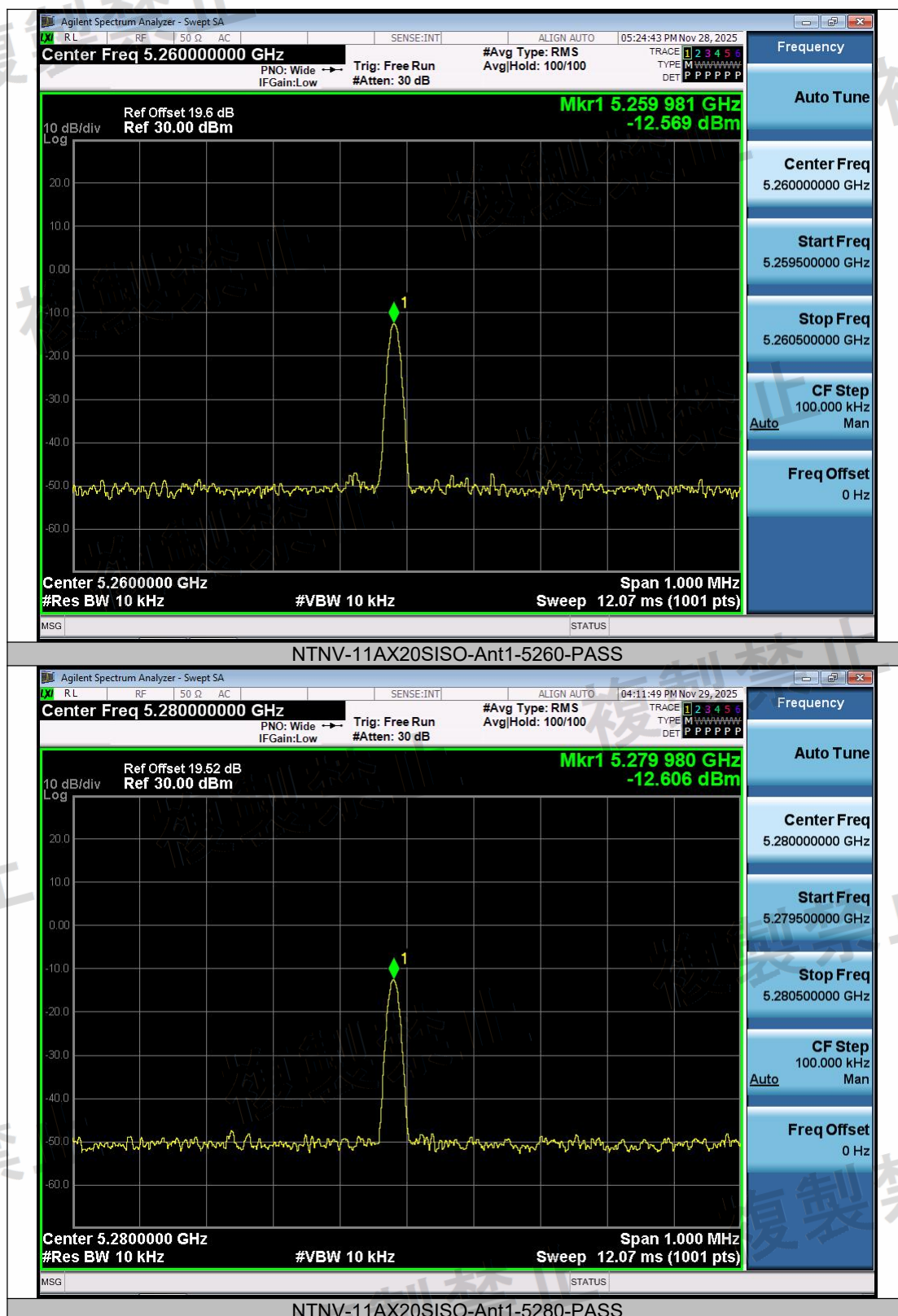


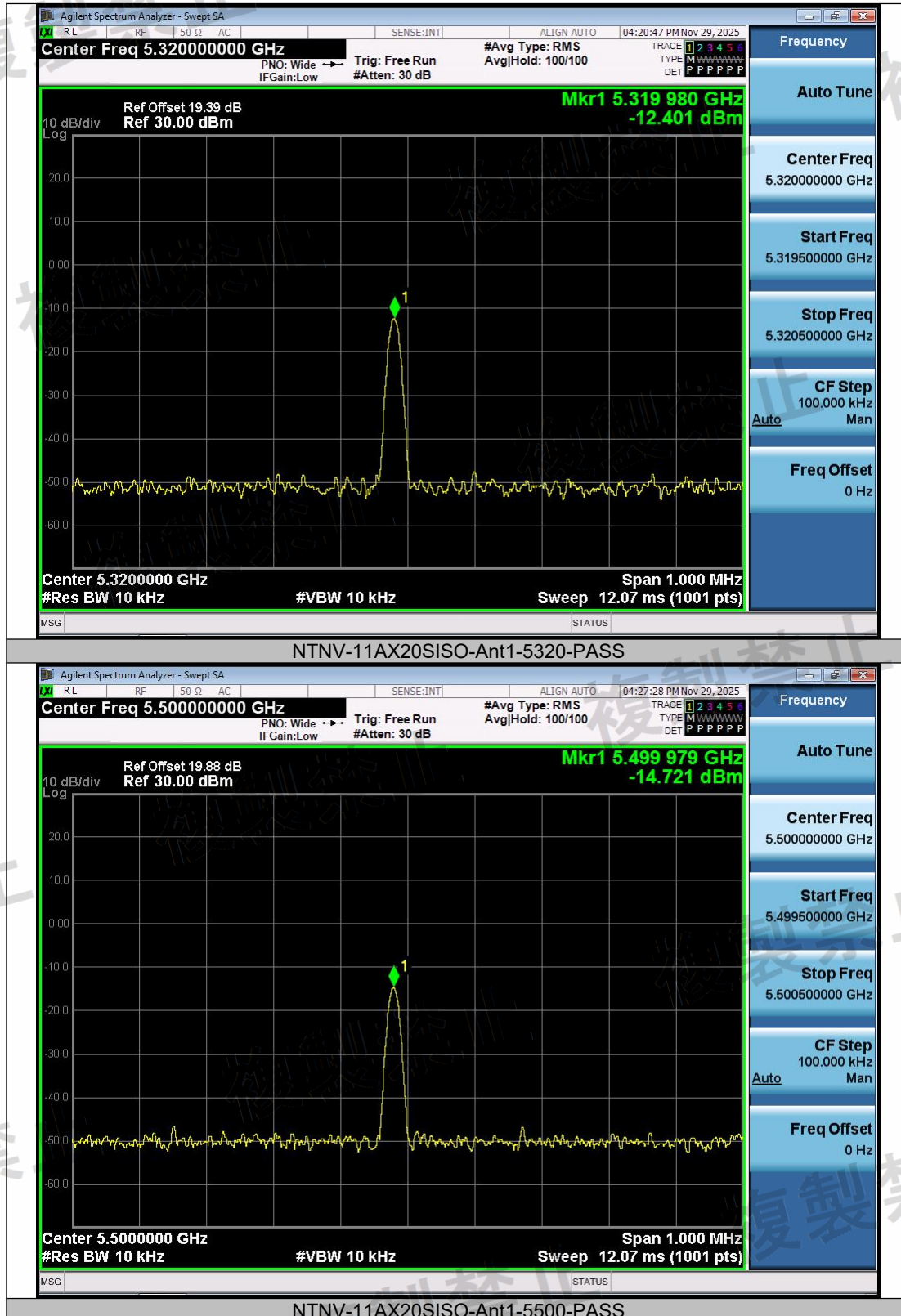


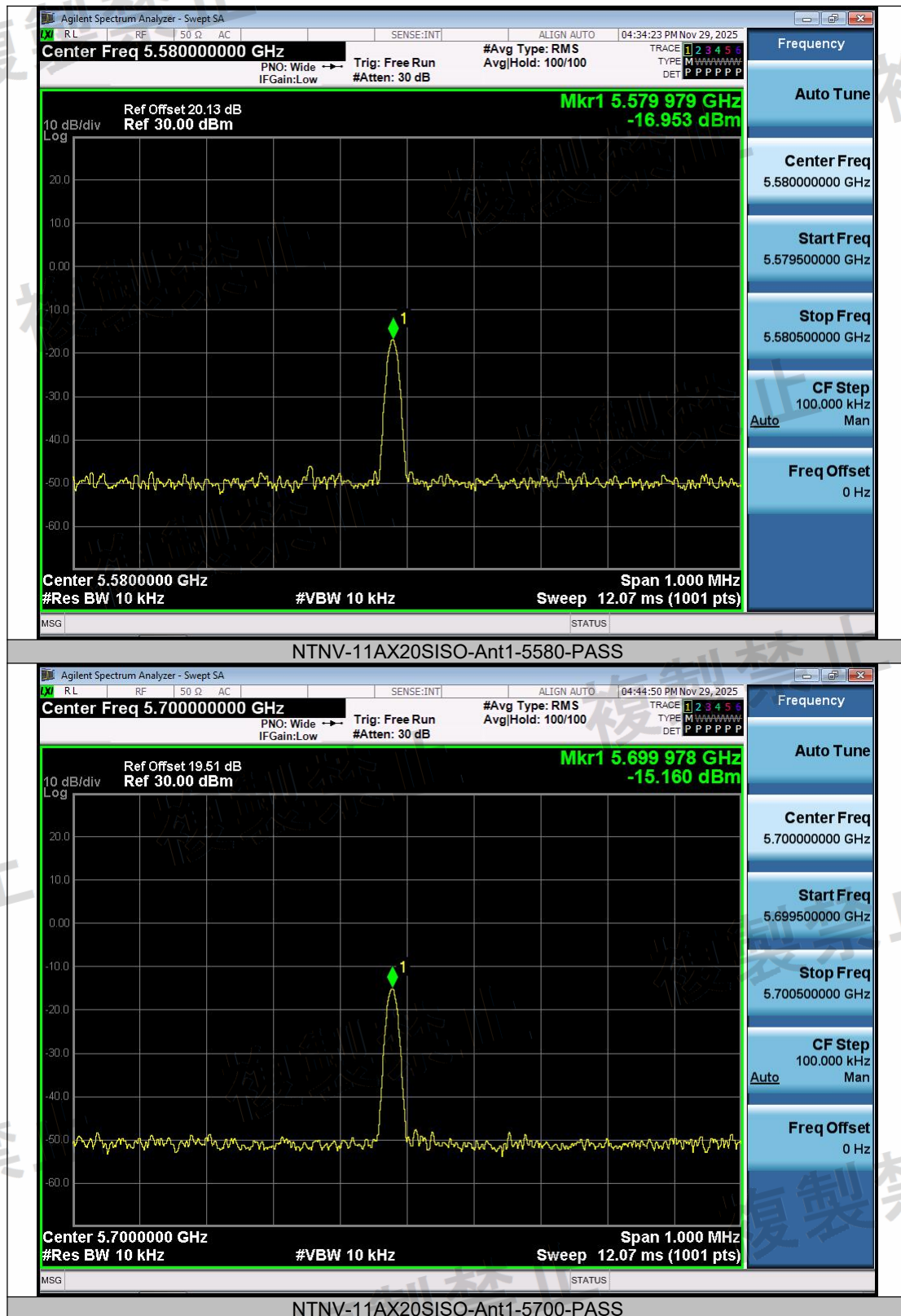


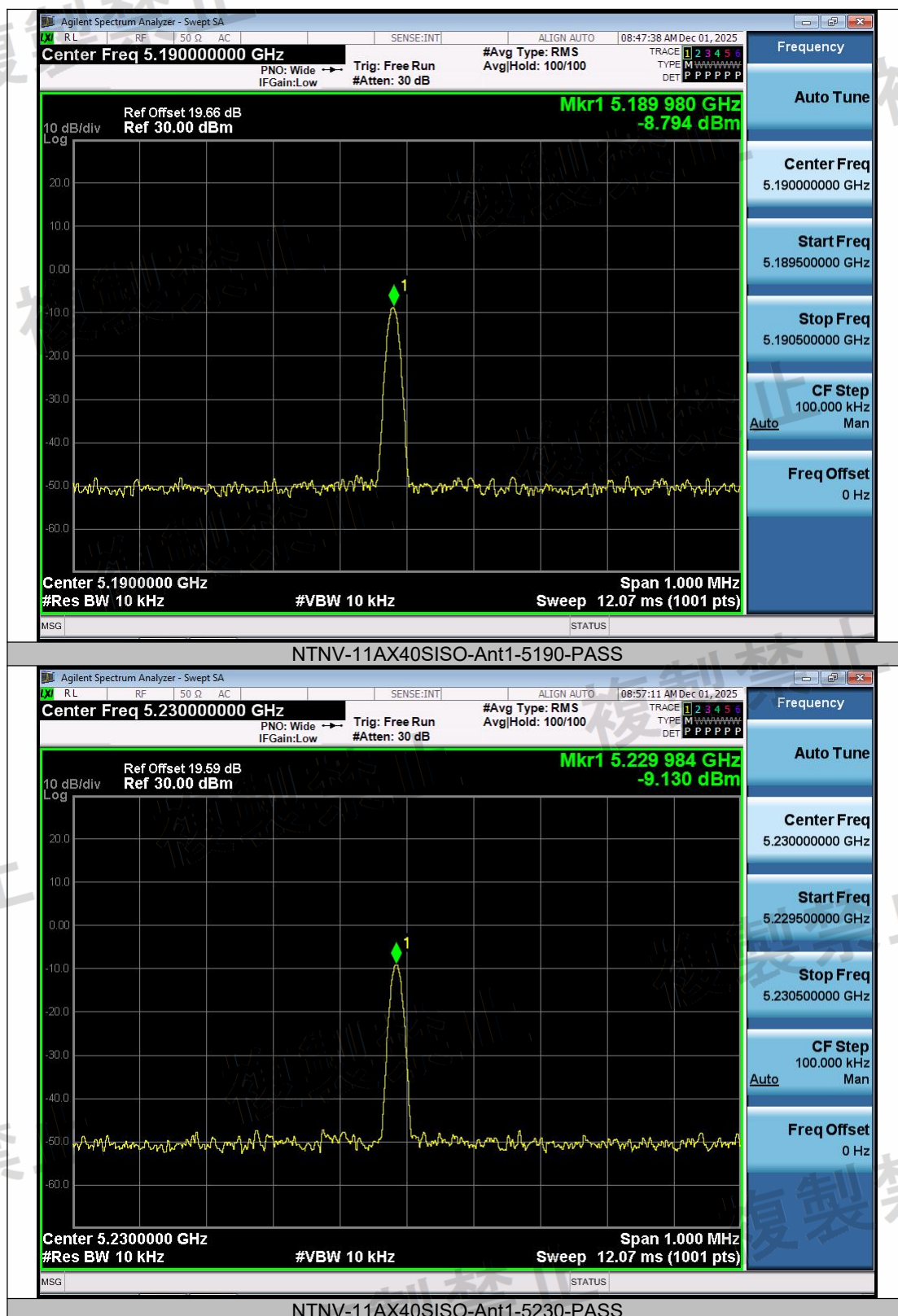


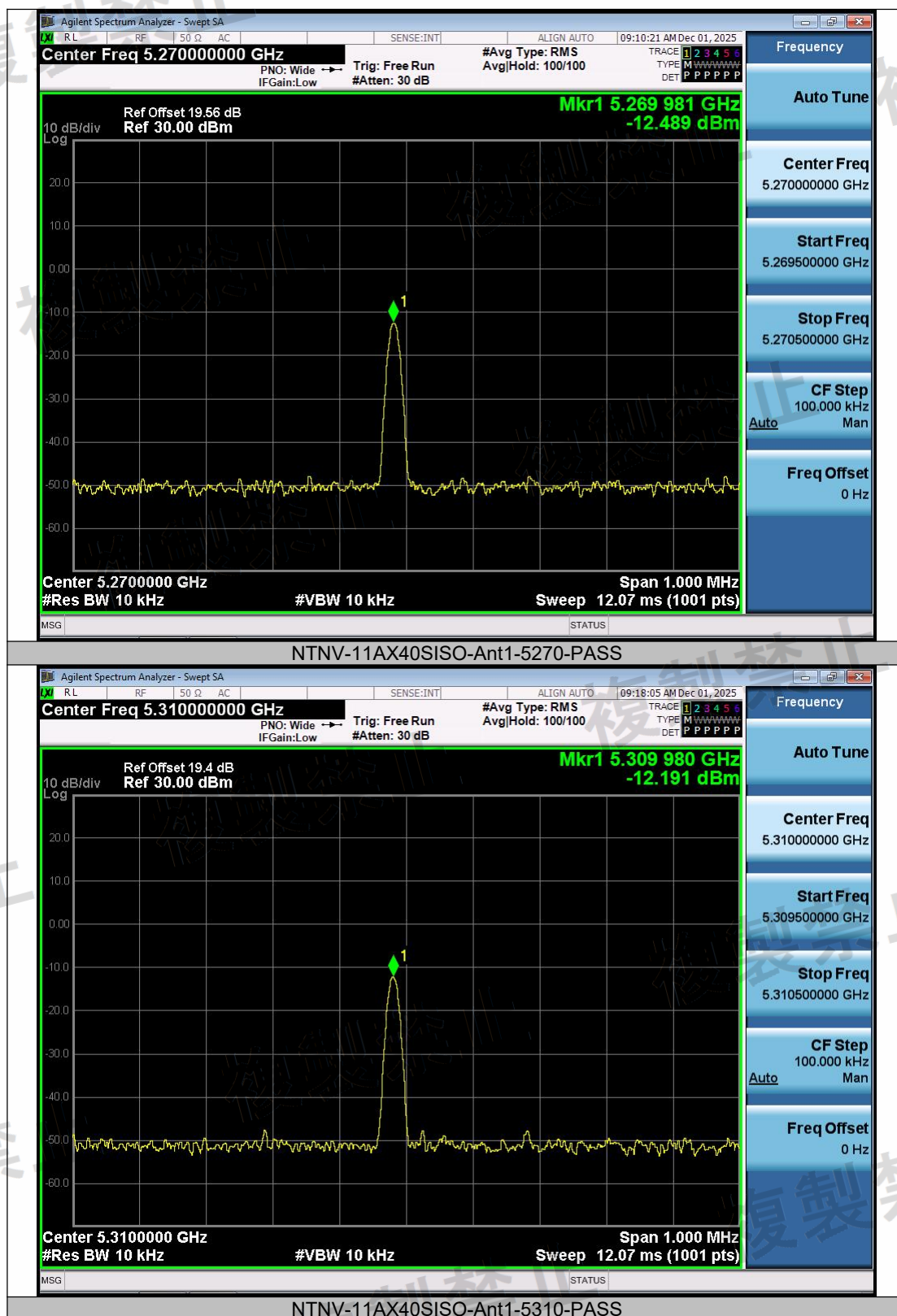


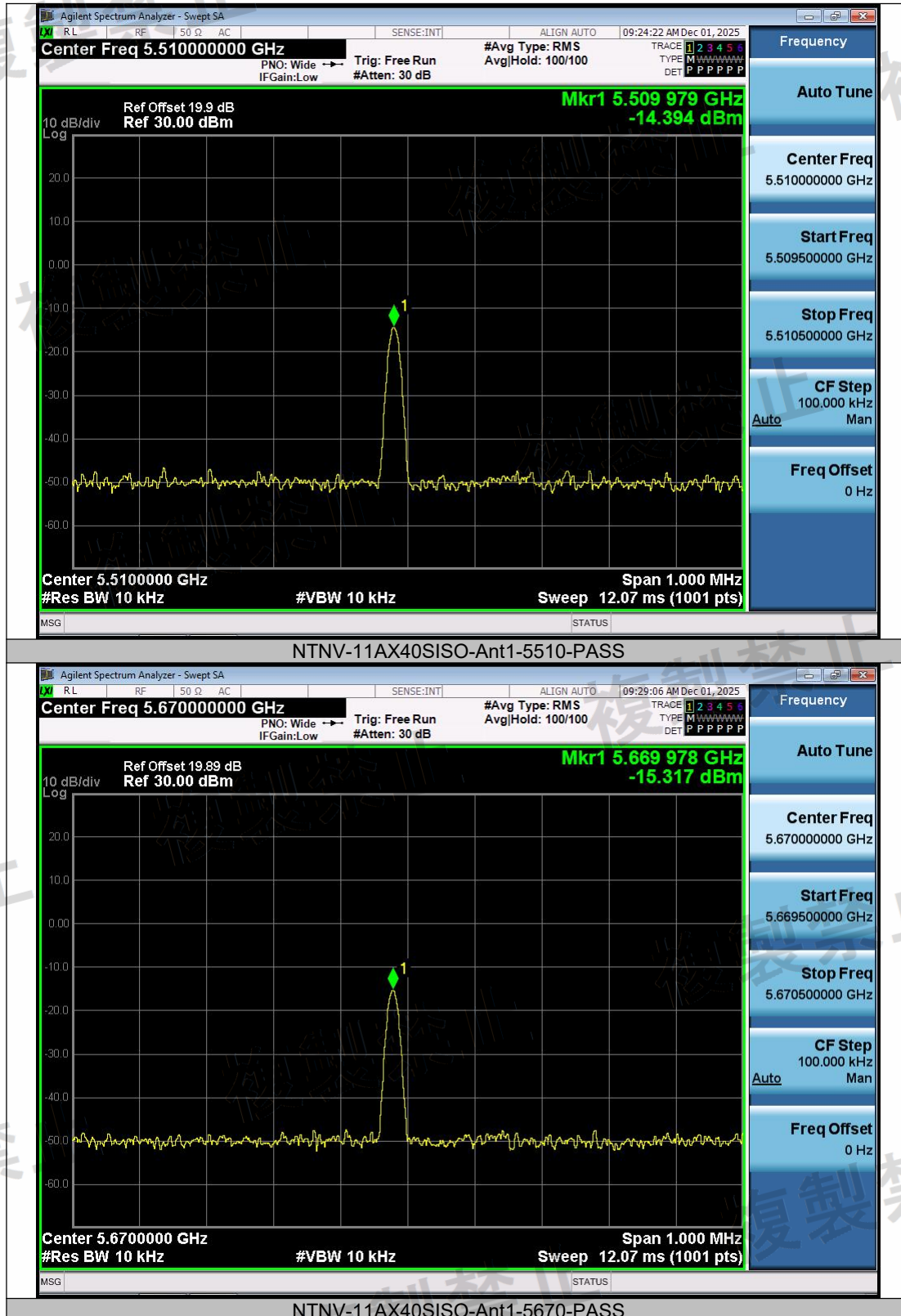












7.2. ANTENNA POWER AND E.I.R.P

7.2.1. Limit

Antenna power

ARIB STD-T71, Clause 3.1.2(2)(3)

W52 Band

approximately 20MHz bandwidth shell be 10mW/MHz(10dBm/MHz) or less

approximately 40MHz bandwidth shell be 5mW/MHz(7dBm/MHz) or less

approximately 80MHz bandwidth shell be 2.5mW/MHz(4dBm/MHz) or less

power tolerance between + 20% to - 80% power range that base on manufacturer

W53 Band

approximately 20MHz bandwidth shell be 10mW/MHz(10dBm/MHz) or less

approximately 40MHz bandwidth shell be 5mW/MHz(7dBm/MHz) or less

approximately 80MHz bandwidth shell be 2.5mW/MHz(4dBm/MHz) or less

power tolerance between + 20% to - 80% power range that base on manufacturer

W56 Band

approximately 20MHz bandwidth shell be 10mW/MHz(10dBm/MHz) or less

approximately 40MHz bandwidth shell be 5mW/MHz(7dBm/MHz) or less

approximately 80MHz bandwidth shell be 2.5mW/MHz(4dBm/MHz) or less

power tolerance between + 50% to - 50% power range that base on manufacturer

E.I.R.P

ARIB STD-T71, Clause 3.1.2(5)

W52 Band

approximately 20MHz bandwidth shell be 10mW/MHz(10dBm/MHz) or less

approximately 40MHz bandwidth shell be 5mW/MHz(7dBm/MHz) or less

approximately 80MHz bandwidth shell be 2.5mW/MHz(4dBm/MHz) or less

W53 Band

approximately 20MHz bandwidth with TCP shell be 10mW/MHz(10dBm/MHz) or less

approximately 20MHz bandwidth without TCP shell be 5mW/MHz(7dBm/MHz) or less

approximately 40MHz bandwidth with TCP shell be 5mW/MHz(7dBm/MHz) or less

approximately 40MHz bandwidth without TCP shell be 2.5mW/MHz(4dBm/MHz) or less

approximately 80MHz bandwidth shell be 2.5mW/MHz(4dBm/MHz) or less

approximately 160MHz bandwidth shell be 1.25mW/MHz(1dBm/MHz) or less

W56 Band

approximately 20MHz bandwidth with TCP shell be 50mW/MHz(17dBm/MHz) or less

approximately 20MHz bandwidth without TCP shell be 25mW/MHz(14dBm/MHz) or less

approximately 40MHz bandwidth with TCP shell be 25mW/MHz(14dBm/MHz) or less

approximately 40MHz bandwidth without TCP shell be 12.5mW/MHz(11dBm/MHz) or less

approximately 80MHz bandwidth shell be 12.5mW/MHz(11dBm/MHz) or less

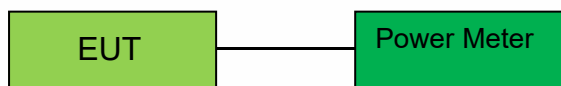
approximately 160MHz bandwidth shell be 6.25mW/MHz(8dBm/MHz) or less

7.2.2. Test Procedure

Test Method for Radio Equipment mentioned in Certification Regulations Article 2, Item 19-3-2

MIC Notice No.88 Annex45 Clause 6

7.2.3. Test Configuration



7.2.4. TEST RESULT

TestCondition	TestMode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Result (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11A	Ant1	5180	-1.52	0.7047	≤10	PASS
NTNV	11A	Ant1	5200	-1.18	0.7621	≤10	PASS
NTNV	11A	Ant1	5240	-1.30	0.7413	≤10	PASS
NTNV	11A	Ant1	5260	1.35	1.3646	≤10	PASS
NTNV	11A	Ant1	5280	-0.23	0.9484	≤10	PASS
NTNV	11A	Ant1	5320	0.22	1.0520	≤10	PASS
NTNV	11A	Ant1	5500	-0.29	0.9354	≤10	PASS
NTNV	11A	Ant1	5580	-0.79	0.8337	≤10	PASS
NTNV	11A	Ant1	5700	0.20	1.0471	≤10	PASS
NTNV	11N20SISO	Ant1	5180	-0.11	0.9750	≤10	PASS
NTNV	11N20SISO	Ant1	5200	-0.25	0.9441	≤10	PASS
NTNV	11N20SISO	Ant1	5240	-0.15	0.9661	≤10	PASS
NTNV	11N20SISO	Ant1	5260	0.36	1.0864	≤10	PASS
NTNV	11N20SISO	Ant1	5280	-1.24	0.7516	≤10	PASS
NTNV	11N20SISO	Ant1	5320	-2.03	0.6266	≤10	PASS
NTNV	11N20SISO	Ant1	5500	0.22	1.0520	≤10	PASS
NTNV	11N20SISO	Ant1	5580	1.10	1.2882	≤10	PASS
NTNV	11N20SISO	Ant1	5700	-0.80	0.8318	≤10	PASS
NTNV	11N40SISO	Ant1	5190	-3.27	0.4710	≤5	PASS
NTNV	11N40SISO	Ant1	5230	-2.82	0.5224	≤5	PASS
NTNV	11N40SISO	Ant1	5270	-2.32	0.5861	≤5	PASS
NTNV	11N40SISO	Ant1	5310	-2.12	0.6138	≤5	PASS
NTNV	11N40SISO	Ant1	5510	-0.53	0.8851	≤5	PASS
NTNV	11N40SISO	Ant1	5670	-0.21	0.9528	≤5	PASS
NTNV	11AC20SISO	Ant1	5180	-0.09	0.9795	≤10	PASS
NTNV	11AC20SISO	Ant1	5200	-1.46	0.7145	≤10	PASS
NTNV	11AC20SISO	Ant1	5240	0.05	1.0116	≤10	PASS
NTNV	11AC20SISO	Ant1	5260	-1.60	0.6918	≤10	PASS
NTNV	11AC20SISO	Ant1	5280	0.54	1.1324	≤10	PASS
NTNV	11AC20SISO	Ant1	5320	0.46	1.1117	≤10	PASS
NTNV	11AC20SISO	Ant1	5500	-0.95	0.8035	≤10	PASS
NTNV	11AC20SISO	Ant1	5580	-0.64	0.8630	≤10	PASS
NTNV	11AC20SISO	Ant1	5700	-0.16	0.9638	≤10	PASS
NTNV	11AC40SISO	Ant1	5190	-0.91	0.8110	≤5	PASS
NTNV	11AC40SISO	Ant1	5230	-0.99	0.7962	≤5	PASS
NTNV	11AC40SISO	Ant1	5270	-2.55	0.5559	≤5	PASS
NTNV	11AC40SISO	Ant1	5310	-2.71	0.5358	≤5	PASS
NTNV	11AC40SISO	Ant1	5510	-1.01	0.7925	≤5	PASS
NTNV	11AC40SISO	Ant1	5670	-0.14	0.9683	≤5	PASS
NTNV	11AX20SISO	Ant1	5180	-0.40	0.9120	≤10	PASS
NTNV	11AX20SISO	Ant1	5200	0.28	1.0666	≤10	PASS
NTNV	11AX20SISO	Ant1	5240	-0.38	0.9162	≤10	PASS
NTNV	11AX20SISO	Ant1	5260	-0.18	0.9594	≤10	PASS
NTNV	11AX20SISO	Ant1	5280	0.13	1.0304	≤10	PASS
NTNV	11AX20SISO	Ant1	5320	-0.05	0.9886	≤10	PASS
NTNV	11AX20SISO	Ant1	5500	-0.55	0.8810	≤10	PASS

NTNV	11AX20SISO	Ant1	5580	-0.63	0.8650	≤10	PASS
NTNV	11AX20SISO	Ant1	5700	0.95	1.2445	≤10	PASS
NTNV	11AX40SISO	Ant1	5190	-1.09	0.7780	≤5	PASS
NTNV	11AX40SISO	Ant1	5230	-1.11	0.7745	≤5	PASS
NTNV	11AX40SISO	Ant1	5270	-2.38	0.5781	≤5	PASS
NTNV	11AX40SISO	Ant1	5310	-3.94	0.4036	≤5	PASS
NTNV	11AX40SISO	Ant1	5510	-0.40	0.9120	≤5	PASS
NTNV	11AX40SISO	Ant1	5670	-0.77	0.8375	≤5	PASS

TestCondition	TestMode	Antenna	Frequency [MHz]	Result (mW)	EIRP (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11A	Ant1	5180	0.7047	0.9727	≤10	PASS
NTNV	11A	Ant1	5200	0.7621	1.0520	≤10	PASS
NTNV	11A	Ant1	5240	0.7413	1.0233	≤10	PASS
NTNV	11A	Ant1	5260	1.3646	1.9724	≤5	PASS
NTNV	11A	Ant1	5280	0.9484	1.3709	≤5	PASS
NTNV	11A	Ant1	5320	1.0520	1.5205	≤5	PASS
NTNV	11A	Ant1	5500	0.9354	1.5524	≤25	PASS
NTNV	11A	Ant1	5580	0.8337	1.3836	≤12.5	PASS
NTNV	11A	Ant1	5700	1.0471	1.7378	≤25	PASS
NTNV	11N20SISO	Ant1	5180	0.9750	1.3459	≤10	PASS
NTNV	11N20SISO	Ant1	5200	0.9441	1.3032	≤10	PASS
NTNV	11N20SISO	Ant1	5240	0.9661	1.3335	≤10	PASS
NTNV	11N20SISO	Ant1	5260	1.0864	1.5704	≤5	PASS
NTNV	11N20SISO	Ant1	5280	0.7516	1.0864	≤5	PASS
NTNV	11N20SISO	Ant1	5320	0.6266	0.9057	≤5	PASS
NTNV	11N20SISO	Ant1	5500	1.0520	1.7458	≤25	PASS
NTNV	11N20SISO	Ant1	5580	1.2882	2.1380	≤25	PASS
NTNV	11N20SISO	Ant1	5700	0.8318	1.3804	≤25	PASS
NTNV	11N40SISO	Ant1	5190	0.4710	0.6501	≤5	PASS
NTNV	11N40SISO	Ant1	5230	0.5224	0.7211	≤5	PASS
NTNV	11N40SISO	Ant1	5270	0.5861	0.8472	≤2.5	PASS
NTNV	11N40SISO	Ant1	5310	0.6138	0.8872	≤2.5	PASS
NTNV	11N40SISO	Ant1	5510	0.8851	1.4689	≤12.5	PASS
NTNV	11N40SISO	Ant1	5670	0.9528	1.5812	≤12.5	PASS
NTNV	11AC20SISO	Ant1	5180	0.9795	1.3521	≤10	PASS
NTNV	11AC20SISO	Ant1	5200	0.7145	0.9863	≤10	PASS
NTNV	11AC20SISO	Ant1	5240	1.0116	1.3964	≤10	PASS
NTNV	11AC20SISO	Ant1	5260	0.6918	1.0000	≤5	PASS
NTNV	11AC20SISO	Ant1	5280	1.1324	1.6368	≤5	PASS
NTNV	11AC20SISO	Ant1	5320	1.1117	1.6069	≤5	PASS
NTNV	11AC20SISO	Ant1	5500	0.8035	1.3335	≤25	PASS
NTNV	11AC20SISO	Ant1	5580	0.8630	1.4322	≤25	PASS
NTNV	11AC20SISO	Ant1	5700	0.9638	1.5996	≤25	PASS
NTNV	11AC40SISO	Ant1	5190	0.8110	1.1194	≤5	PASS
NTNV	11AC40SISO	Ant1	5230	0.7962	1.0990	≤5	PASS
NTNV	11AC40SISO	Ant1	5270	0.5559	0.8035	≤2.5	PASS
NTNV	11AC40SISO	Ant1	5310	0.5358	0.7745	≤2.5	PASS
NTNV	11AC40SISO	Ant1	5510	0.7925	1.3152	≤12.5	PASS
NTNV	11AC40SISO	Ant1	5670	0.9683	1.6069	≤12.5	PASS
NTNV	11AX20SISO	Ant1	5180	0.9120	1.2589	≤10	PASS
NTNV	11AX20SISO	Ant1	5200	1.0666	1.4723	≤10	PASS
NTNV	11AX20SISO	Ant1	5240	0.9162	1.2647	≤10	PASS
NTNV	11AX20SISO	Ant1	5260	0.9594	1.3868	≤5	PASS
NTNV	11AX20SISO	Ant1	5280	1.0304	1.4894	≤5	PASS
NTNV	11AX20SISO	Ant1	5320	0.9886	1.4289	≤5	PASS
NTNV	11AX20SISO	Ant1	5500	0.8810	1.4622	≤25	PASS
NTNV	11AX20SISO	Ant1	5580	0.8650	1.4355	≤25	PASS
NTNV	11AX20SISO	Ant1	5700	1.2445	2.0654	≤25	PASS
NTNV	11AX40SISO	Ant1	5190	0.7780	1.0740	≤5	PASS

NTNV	11AX40SISO	Ant1	5230	0.7745	1.0691	≤5	PASS
NTNV	11AX40SISO	Ant1	5270	0.5781	0.8356	≤2.5	PASS
NTNV	11AX40SISO	Ant1	5310	0.4036	0.5834	≤2.5	PASS
NTNV	11AX40SISO	Ant1	5510	0.9120	1.5136	≤12.5	PASS
NTNV	11AX40SISO	Ant1	5670	0.8375	1.3900	≤12.5	PASS

Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11A	Ant1	5180	0.7047	1.5	-53.02	-80 to +20	PASS
NTNV	11A	Ant1	5200	0.7621	1.5	-49.19	-80 to +20	PASS
NTNV	11A	Ant1	5240	0.7413	1.5	-50.58	-80 to +20	PASS
NTNV	11A	Ant1	5260	1.3646	1.5	-9.03	-80 to +20	PASS
NTNV	11A	Ant1	5280	0.9484	1.5	-36.77	-80 to +20	PASS
NTNV	11A	Ant1	5320	1.0520	1.5	-29.87	-80 to +20	PASS
NTNV	11A	Ant1	5500	0.9354	1.5	-37.64	-50 to +50	PASS
NTNV	11A	Ant1	5580	0.8337	1.5	-44.42	-50 to +50	PASS
NTNV	11A	Ant1	5700	1.0471	1.5	-30.19	-50 to +50	PASS
NTNV	11N20SISO	Ant1	5180	0.9750	1.5	-35.00	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5200	0.9441	1.5	-37.06	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5240	0.9661	1.5	-35.59	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5260	1.0864	1.5	-27.57	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5280	0.7516	1.5	-49.89	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5320	0.6266	1.5	-58.23	-80 to +20	PASS
NTNV	11N20SISO	Ant1	5500	1.0520	1.5	-29.87	-50 to +50	PASS
NTNV	11N20SISO	Ant1	5580	1.2882	1.5	-14.12	-50 to +50	PASS

							to +50	
NTNV	11N20SISO	Ant1	5700	0.8318	1.5	-44.55	-50 to +50	PASS
NTNV	11N40SISO	Ant1	5190	0.4710	1.5	-68.60	-80 to +20	PASS
NTNV	11N40SISO	Ant1	5230	0.5224	1.5	-65.17	-80 to +20	PASS
NTNV	11N40SISO	Ant1	5270	0.5861	1.5	-60.93	-80 to +20	PASS
NTNV	11N40SISO	Ant1	5310	0.6138	1.5	-59.08	-80 to +20	PASS
NTNV	11N40SISO	Ant1	5510	0.8851	1.5	-40.99	-50 to +50	PASS
NTNV	11N40SISO	Ant1	5670	0.9528	1.5	-36.48	-50 to +50	PASS
NTNV	11AC20SISO	Ant1	5180	0.9795	1.5	-34.70	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5200	0.7145	1.5	-52.37	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5240	1.0116	1.5	-32.56	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5260	0.6918	1.5	-53.88	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5280	1.1324	1.5	-24.51	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5320	1.1117	1.5	-25.89	-80 to +20	PASS
NTNV	11AC20SISO	Ant1	5500	0.8035	1.5	-46.43	-50 to +50	PASS
NTNV	11AC20SISO	Ant1	5580	0.8630	1.5	-42.47	-50 to +50	PASS
NTNV	11AC20SISO	Ant1	5700	0.9638	1.5	-35.75	-50 to +50	PASS
NTNV	11AC40SISO	Ant1	5190	0.8110	1.5	-45.93	-80 to +20	PASS
NTNV	11AC40SISO	Ant1	5230	0.7962	1.5	-46.92	-80 to +20	PASS
NTNV	11AC40SISO	Ant1	5270	0.5559	1.5	-62.94	-80	PASS

							to +20	
NTNV	11AC40SISO	Ant1	5310	0.5358	1.5	-64.28	-80 to +20	PASS
NTNV	11AC40SISO	Ant1	5510	0.7925	1.5	-47.17	-50 to +50	PASS
NTNV	11AC40SISO	Ant1	5670	0.9683	1.5	-35.45	-50 to +50	PASS
NTNV	11AX20SISO	Ant1	5180	0.9120	1.5	-39.20	-80 to +20	PASS
NTNV	11AX20SISO	Ant1	5200	1.0666	1.5	-28.89	-80 to +20	PASS
NTNV	11AX20SISO	Ant1	5240	0.9162	1.5	-38.92	-80 to +20	PASS
NTNV	11AX20SISO	Ant1	5260	0.9594	1.5	-36.04	-80 to +20	PASS
NTNV	11AX20SISO	Ant1	5280	1.0304	1.5	-31.31	-80 to +20	PASS
NTNV	11AX20SISO	Ant1	5320	0.9886	1.5	-34.09	-80 to +20	PASS
NTNV	11AX20SISO	Ant1	5500	0.8810	1.5	-41.27	-50 to +50	PASS
NTNV	11AX20SISO	Ant1	5580	0.8650	1.5	-42.33	-50 to +50	PASS
NTNV	11AX20SISO	Ant1	5700	1.2445	1.5	-17.03	-50 to +50	PASS
NTNV	11AX40SISO	Ant1	5190	0.7780	1.5	-48.13	-80 to +20	PASS
NTNV	11AX40SISO	Ant1	5230	0.7745	1.5	-48.37	-80 to +20	PASS
NTNV	11AX40SISO	Ant1	5270	0.5781	1.5	-61.46	-80 to +20	PASS
NTNV	11AX40SISO	Ant1	5310	0.4036	1.5	-73.09	-80 to +20	PASS
NTNV	11AX40SISO	Ant1	5510	0.9120	1.5	-39.20	-50 to +50	PASS
NTNV	11AX40SISO	Ant1	5670	0.8375	1.5	-44.17	-50 to +50	PASS

