

Test Report

Applicant : AOSU LIFE PTE. LTD.
Address : 9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS, SINGAPORE 138588
Product Name : aosu SolarCam T2
Brand Mark : AOSU, DEKCO
Model : C9E31
Series model : C9E32, C9E33, DC9E31, DC9E32, DC9E33
Report Number : BLA-RF-202604-A10501
Date of Receipt : Apr. 22, 2026
Date of Test : Apr. 22, 2026 to May 12, 2026
Test standard : Item 19 of Article 2 Paragraph 1
Test Result : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*

Issued Date: May 12, 2026

BlueAsia Technical Services (Shenzhen) Co., Ltd

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan
Subdistrict, Bao'an District, Shenzhen, Guangdong, China



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Revise Record

Version No.	Date	Description
01	May 12, 2026	Original

1 General information

1.1 General information

Applicant	AOSU LIFE PTE. LTD.
Address	9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS, SINGAPORE 138588
Manufacturer	AOSU LIFE PTE. LTD.
Address	9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS, SINGAPORE 138588
Factory	Dongguan Anran smart technology Co., LTD
Address	Building6, No.10Hongniu Road, Huangjiang Town, Dongguan, Guangdong, China

1.2 General description of EUT

Product name	aosu SolarCam T2
Model no.	C9E31
Series model	C9E32, C9E33, DC9E31, DC9E32, DC9E33
Desc of series model	The software and hardware of the product are consistent between the reported model and the main certification model, and the difference is only used to distinguish different sales channels
Test engineer sample no.	BLA-RF-202604-A10501
Operating Frequency	2412 MHz to 2472 MHz, 2422MHz to 2462MHz
Normal antenna power	1)802.11b, 802.11g, 802.11n (HT20), 802.11ax (HE20) 5.0mW/MHz 2)802.11n(HT40) 4.9mW/MHz
Number of Channels	802.11b: 13 Channels 802.11g/n (HT20)/ax (HE20): 13 Channels 802.11n (HT40): 9 Channels
Type of Modulation	802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM) 802.11n (HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ax (HE20): OFDMA: (64QAM, 16QAM, QPSK, BPSK, 256-QAM, 1024-QAM)
Channel Separation	5 MHz
Transmit Data Rate	802.11b: 1M/2M/5.5M/11M bps 802.11g: 6M/9M/12M/18M/24M/36M/48M/54M bps 802.11n: 6.5M/13M/19.5M/26M/39M/52M/58.5M/64M bps 802.11ax: 6.5M/13M/19.5M/26M/39M/52M/58.5M/64M/143 bps
Antenna Type	External antenna

Antenna gain	3.2dBi (Provided by customer)
Power supply or adapter information	DC3.65V by battery
Hardware Version	N/A
Software Version	N/A

Note: 1. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

2. AX only supply Full RU.

2 Test summary

Test	Test Requirement	Limit/Severity	Result
Antenna Requirement	Item 19 of Article 2-1	Notice 88 Appendix 43,B-1 (1)&(2)	PASS
Test frequency	Item 19 of Article 2-1	Notice 88 Appendix 43, A-3	PASS
Frequency Error	Item 19 of Article 2-1	±50 PPM or less	PASS
Occupied Bandwidth	Item 19 of Article 2-1	OFDM: 26MHz or less OFDM: 26MHz -40MHz DSSS: 26MHz or less	PASS
Spread-spectrum Bandwidth	Item 19 of Article 2-1	N/A	PASS
Antenna Power	Item 19 of Article 2-1	OFDM, DSSS: 0.01W /MHz or less OFDM OBW 26 - 40MHz: 5mW/MHz or less Tolerance: + 20%	PASS
E.I.R.P	Item 19 of Article 2-1	OFDM, DSSS:12.14dBm/MHz or less OFDM OBW 26 - 40MHz: 9.14dBm/MHz or less	PASS
Half Power Beam Angel (3dB-beam-width).	Item 19 of Article 2-1	N/A*Note1	N/A*
Spurious Emission of Tx	Item 19 of Article 2-1	for 2412-2472Mz (1). Below 2387 MHz: 2.5μW/MHz (2). 2387 to 2400 MHz: 25μW/MHz (3). 2483.5 through 2496.5 MHz: 25μW/MHz (4). Over 2496.5 MHz : 2.5μW/MHz	PASS
Interference prevention capability	Item 19 of Article 2-1	Notice 88 Appendix 43	PASS
Carrier sense capability	Item 19 of Article 2-1	Notice 88 Appendix 43	PASS
RF accessibility	Item 19 of Article 2-1	Notice 88 Appendix 43	PASS
Spurious Emission of Rx	Item 19 of Article 2-1	(1) Below 1 GHz: 4 nW (2) 1 GHz or higher: 20 nW	PASS

Remark:

EUT: In this whole report EUT means Equipment Under Test.

Tx: In this whole report Tx (or tx) means the product in transmitting status.

Rx: In this whole report Rx (or rx) means the product in receiving status.

RF: In this whole report RF means Radiated Frequency.

Note1: Max EIRP power is less than 12.14dBm/MHz for 802.11b/g/n20/ax20.

3 Description of Support Units

The EUT has been tested stand-alone.

4 Auxiliary equipment

Device Type	Manufacturer	Model Name	Serial No.	Remark
PC	Lenovo	E460C	N/A	From lab (No.BLA-ZC-BS-2022005)
USB TO TTL	N/A	V287	N/A	By laboratory
Note: "--" mean no any auxiliary device during testing.				

5 Laboratory information

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

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Registration No.:	L9788
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

6 Equipment List

Equipment	Manufacturer	Model	Serial No.	Cal Date	Due Date	Calibration body	Classification
Communication test set test set	Anritsu	MT8852B	06262047872	2025/9/8	2026/9/7	GRGT	(c)
Spectrum Analyzer	Keysight	N9030A	MY52350152	2025/9/8	2026/9/7	GRGT	(c)
Signal Generator	Agilent	E4438C	MY45092582	2025/9/8	2026/9/7	GRGT	(c)
DC regulated power supply	ZHAOXIN	KXN-305D	BLA-EMC-027	2025/9/24	2026/9/23	GRGT	(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.

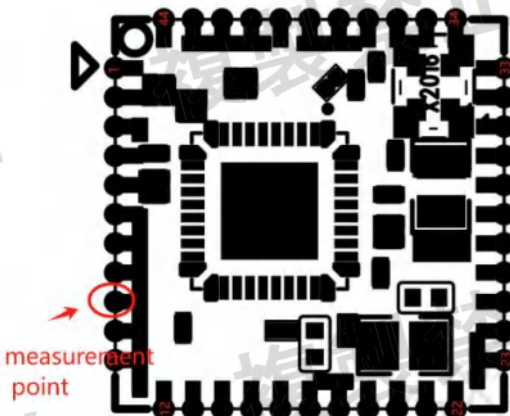
7 Radio Technical Requirements Specification

Tabel 1: Radio Technical Requirements Specification for 2.4 GHz band wide-band low-power data communication system (Item 19 of Article 2-1)

Items	Technical standard
Assigned frequency or designated frequency	2400-2483.5MHz
Communication method	One-way communication, simplex, semi-duplex, or duplex operation of digital signal transmission including spread spectrum
Tolerance of frequency ($\times 10^{-6}$)	± 50
Tolerance of occupied bandwidth	FH: 83.5MHz or less FH + DS: 83.5MHz or less FH + OFDM: 83.5MHz or less OFDM: 26MHz or less OFDM: 26MHz -40MHz DSSS: 26MHz or less
Antenna power	Designated value (1) FH, FH+DS, FH+OFDM: 3mW/MHz (used in the range of 2427 - 2470.75 MHz) (2) OFDM, DS other than (1) 10mW/MHz (3) Other than (1) & (2) 10mW (4) OFDM OBW 26 - 40MHz: 5mW/MHz Tolerance:+20%
Antenna gain	1) 12.14 dBi or less in principle 2) In case of directional antenna (1) FH, FH+DS or FH+OFDM using 2427-2470.75 MHz EIRP $\leq$ 16.91 dBm/MHz (2) OFDM or DS other than (1) EIRP $\leq$ 22.14 dBm/MHz (3) Other than (1) and (2): 22.14 dBm or less (4) OFDM OBW 26 - 40MHz: 19.14dBm/MHz (5) Half-power angle of directional antenna (e) in case of the item 2): $e \leq 360/A$ (The A is 10 in maximum.)
Tolerance of spurious emission intensity	for 2412-2472Mz (1) Below 2387 MHz : 2.5 μ W/MHz (2) 2387 to 2400 MHz : 25 μ W/MHz (3) 2483.5 through 2496.5 MHz : 25 μ W/MHz (4) Over 2496.5 MHz : 2.5 μ W/MHz
Limit of secondary radiated emissions	(1) Below 1 GHz : 4 nW (2) 1 GHz or higher : 20 nW
Interference prevention function	Shall have the function of automatic transmission and reception of identification sign.
Structure	Shall be of the structure that the RF and modulator sections excluding antenna cannot easily be opened.
Note	DS: Direct spread FH: Frequency hopping OFDM: Orthogonal frequency division multiplexing

8 Transmitter Requirements

8.1 EUT test voltage and Frequency

EUT test voltage																						
Power Supply:		DC 3.65V by battery																				
Test voltage require:		The power supply is DC 3.65V by battery. The supply voltage of RF part is varied within +/-1% when DC 3.65V +/- 10%, so DC 3.65V is shown in the test report.																				
Power Supply view:																						
Power Supply result:		The measurement result of the voltage fluctuation at RF circuit when 3.65V +/- 10%.																				
		DC INPUT	DC3.3V																			
		3.285V	3.3V																			
		3.65V	3.3V																			
		4.015V	3.3V																			
Test frequencies:		If the EUT can be set to 3 or more different (carrier) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L,M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.																				
<table><tr><th rowspan="2">Test condition</th><th colspan="3">Ambient</th></tr><tr><th>Temperature(℃)</th><th>Humidity(%)</th><th>Voltage(V)</th></tr><tr><td>NTNV</td><td>24</td><td>48</td><td>3.65</td></tr><tr><td>NTLV</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>NTHV</td><td>N/A</td><td>N/A</td><td>N/A</td></tr></table>				Test condition	Ambient			Temperature(℃)	Humidity(%)	Voltage(V)	NTNV	24	48	3.65	NTLV	N/A	N/A	N/A	NTHV	N/A	N/A	N/A
Test condition	Ambient																					
	Temperature(℃)	Humidity(%)	Voltage(V)																			
NTNV	24	48	3.65																			
NTLV	N/A	N/A	N/A																			
NTHV	N/A	N/A	N/A																			

8.2 Test frequency

EUT channels and frequencies list:

802.11b

Channel	Frequency (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462
12	2467
13	2472

Test frequencies are the lowest channel: 1 channel(2412MHz), middle channel: 7 channel(2442 MHz) and the highest channel: 13 channel(2472 MHz)

802.11g/n (HT20)/ax(HE20)

Channel	Frequency (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462
12	2467
13	2472

Test frequencies are the lowest channel: 1 channel(2412MHz), middle channel: 7 channel(2442 MHz) and the highest channel: 13 channel(2472 MHz)

802.11n HT40

Channel	Frequency (MHz)
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

Test frequencies are the lowest channel: 3 channel(2422MHz), middle channel: 7 channel(2442 MHz) and the highest channel: 11 channel(2462 MHz)

8.3 Test Environment

Operating Environment:	
Temperature:	25°C
Humidity:	49% RH
Atmospheric Pressure:	1010 mbar

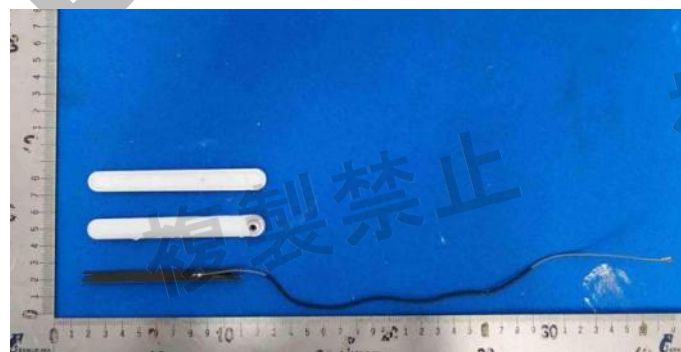
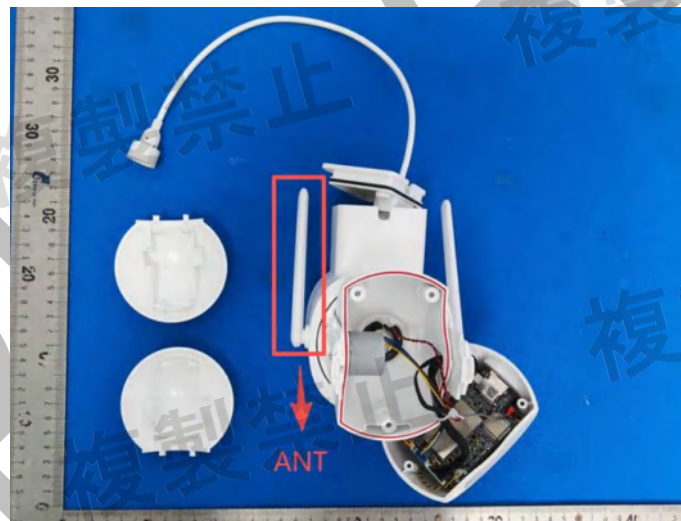
8.4 Antenna Requirement

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 external antenna and no consideration of replacement. The best case gain of the antenna is 3.2dBi



Result: An antenna connector is available, all relevant tests will be carried out conducted

8.5 Interference prevention function

Measurement system diagram	When transmitting identification code  <pre> graph LR TE[Test equipment] -.-> wireless D[Demodulator] </pre>
Condition of measuring instrument	Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.
Condition of test equipment The mode of normal use.	--
Measuring operation procedure	When test equipment has the function to transmit identification code automatically: - Transmit the predetermined identification code from test equipment. - Confirm the transmitted identification code by demodulator. MAC: 60:D5:61:57:55:82 MAC Address: 60:D5:61:57:55:82
Test result	The unit does meet the requirements (Good).

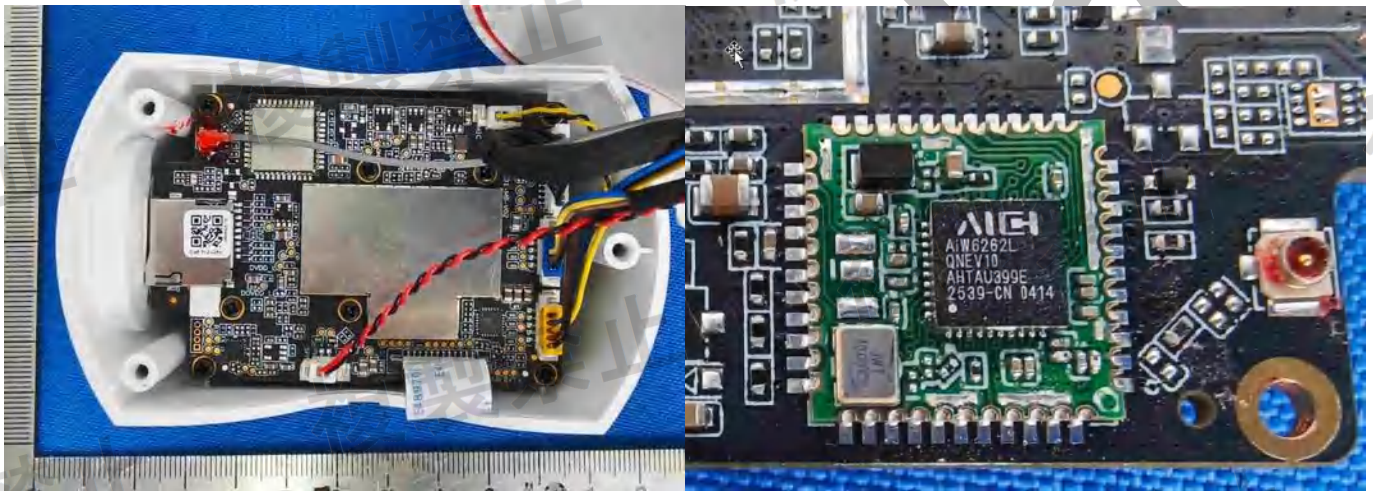
8.6 RF accessibility

Standard requirement

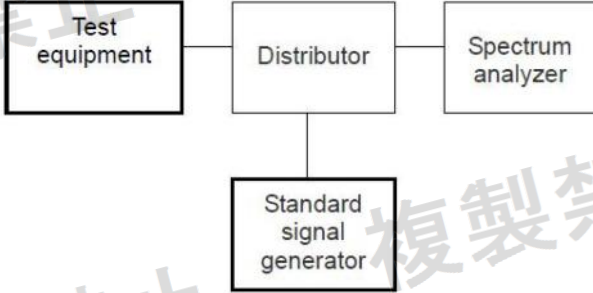
Article 49-20, paragraph 1 (a)

The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

RF and Modulation components are covered with shielding case and this shielding case is soldered. the radio frequency part cannot be easily contacted when in use.



8.7 Carrier sense capability

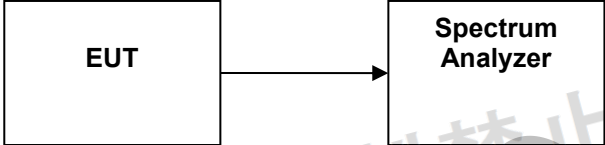
1. Measurement system diagram	Test with test equipment only  <pre> graph LR Test[Test equipment] --- Distributor[Distributor] Distributor --- Spectrum[Spectrum analyzer] Distributor --- Standard[Standard signal generator] </pre>
2. Condition of measuring instrument	(1). Set the standard signal generator as follows: Carrier frequency: Center frequency of receiving frequency band of test equipment Modulation: No modulation.(note1) Output level: regulated level on antenna input of test equipment Note 1: The un-modulated carrier in the center frequency, when the carrier sense function of test equipment is not worked, if necessary, change the frequency or modulate it. (2). Set the spectrum analyzer as follows: Center frequency: Center frequency of the bandwidth used.(note2) Sweep frequency band: 50MHz(note2) Resolution bandwidth: Approximately 1 MHz Video bandwidth: Comparable level with resolution bandwidth Trigger condition: Free-run Detective mode: positive peak Note 2: Under 26MHz of OFDM or other modulated method that with transmit function, set sweep frequency band as 0Hz, detective mode as sample, center frequency as the carrier frequency from 13MHz to 19MHz.
3. Condition of test equipment	Set the test equipment at the test frequency and the test spread code, and set it to the receiving mode in the beginning. When using external test device, connect with the test equipment by line connection.
4. Measuring operation procedure	Test with test equipment only: (1). Set the spectrum analyzer according to (2) of 2).

	(2). Set the test equipment to the transmitting operation with the output of standard signal generator OFF, and confirm that it emits over 26MHz occupied frequency bandwidth OFDM radio wave, by using spectrum analyzer. (3). Set the test equipment to the receiving mode. (4). With the output of standard signal generator ON, set the test equipment to the transmitting operation, and confirm that it does not emit over 26MHz occupied frequency bandwidth OFDM radio wave, by using spectrum analyzer.
--	---

8.7.1 Test result:

Modulation	Channel	Test result	Verdict
802.11n(HT40)	Low	Good	Pass
	Middle	Good	Pass
	High	Good	Pass

8.8 Frequency Error

Test Requirement:	Item 19 of Article 2-1
	Tolerance of frequency: $\pm 50 \times 10^{-6}$
Test Status:	Test the EUT in transmitting mode without modulation.
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement.
	2. EUT conditions: Modulation/Spread/Hopping OFF, CW Tx
	3. Spectrum Analyzer conditions: Frequency: Test Frequency Span 1MHz RBW 10 kHz (Modulation OFF), VBW 10 kHz (Modulation OFF), Sweep Time Auto Detector mode Positive peak Indication mode Max hold

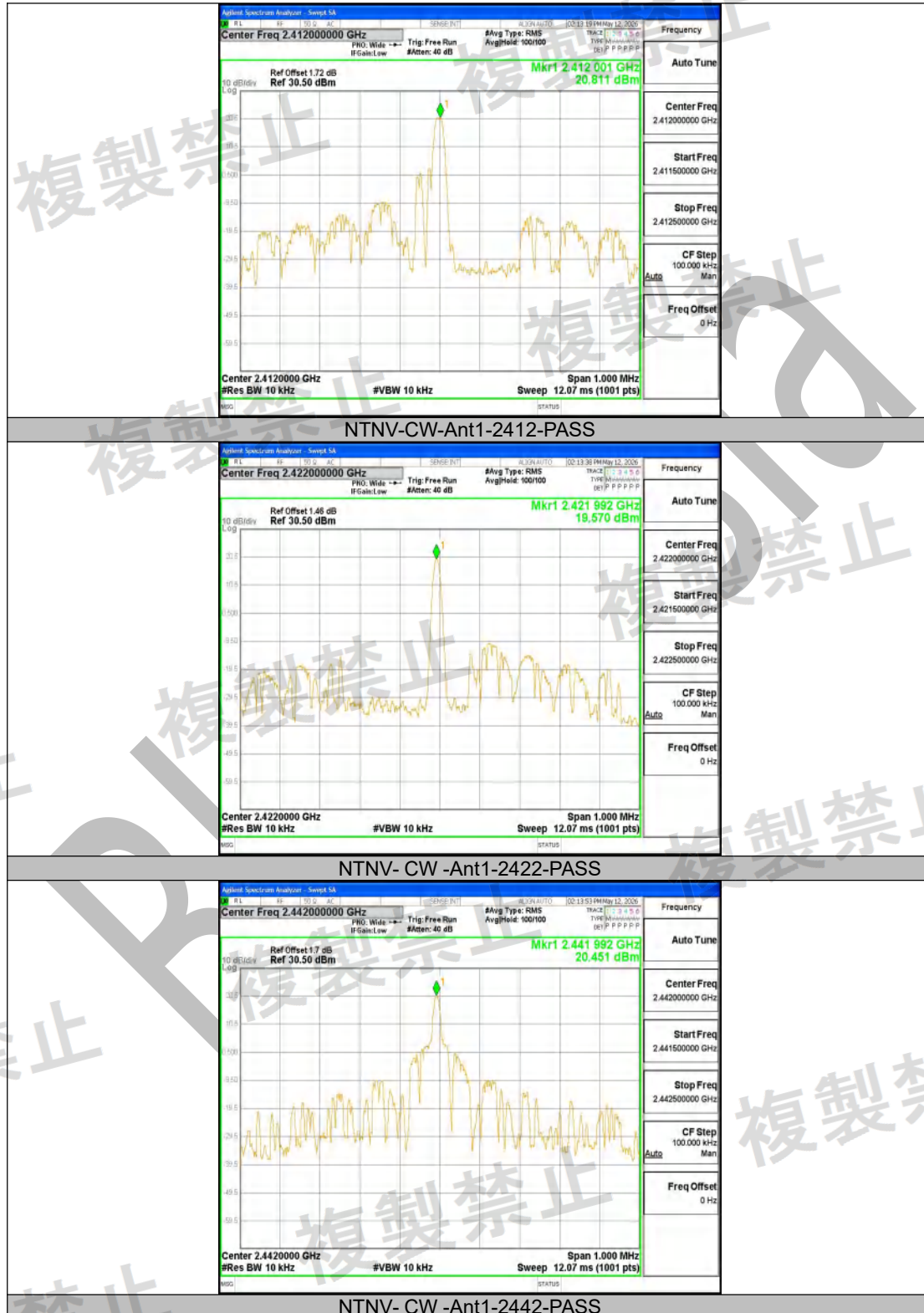
8.8.1 Test result:

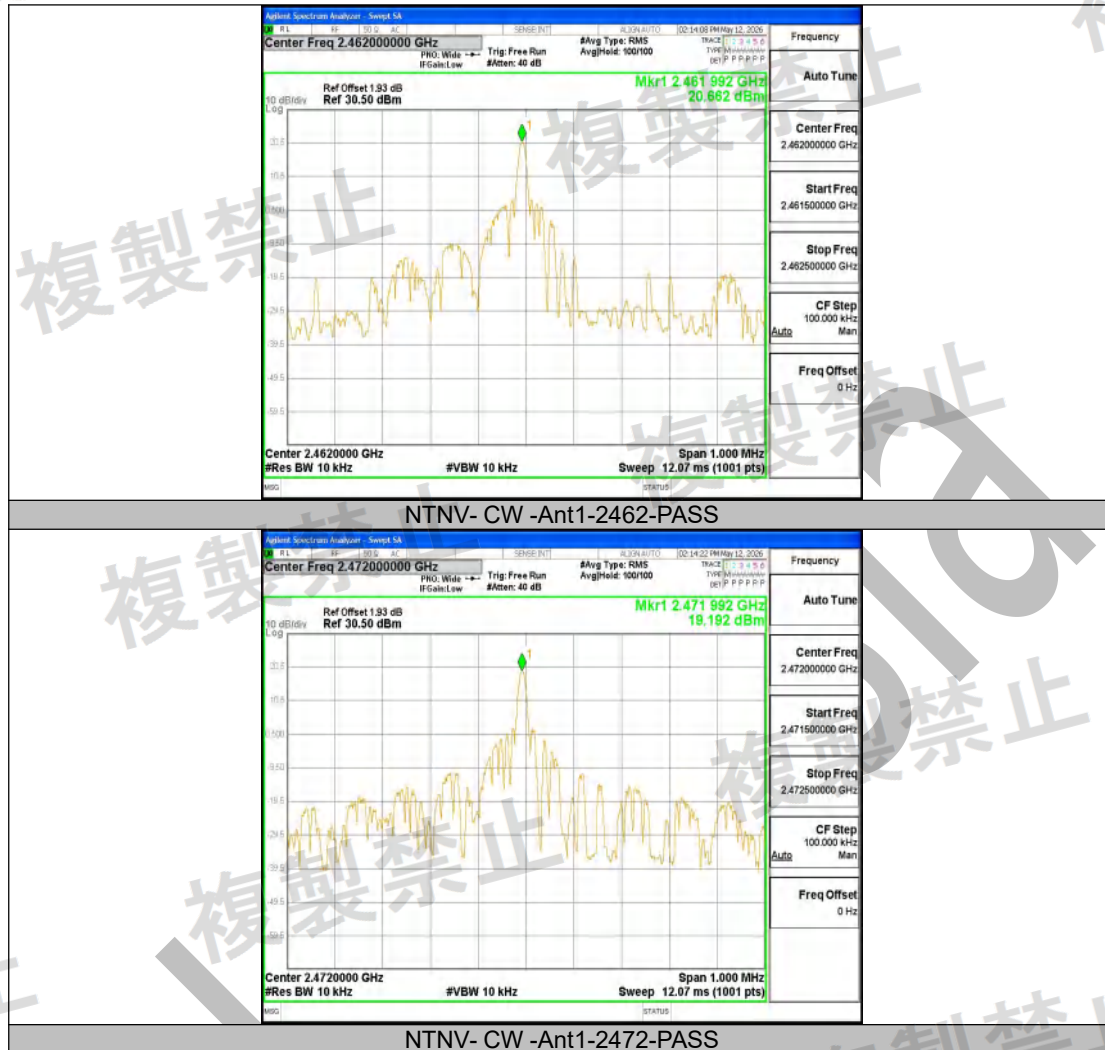
TestCondition	TestMode	Antenna	Channel	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2412	2412.001	0.41459	±50	PASS
			2422	2421.992	-3.30306	±50	PASS
			2442	2441.992	-3.27600	±50	PASS
			2462	2461.992	-3.24939	±50	PASS
			2472	2471.992	-3.23625	±50	PASS

Note: The nominal frequency shall be confirmed by the applicant and test lab.

Result plot as follows:

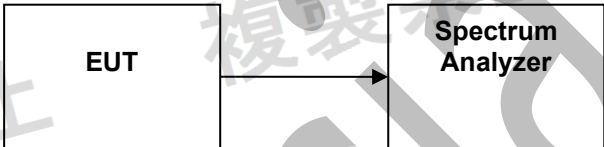
8.8.2 Test Graphs





Test result: The unit does meet the requirements.

8.9 Occupied Bandwidth (99%)

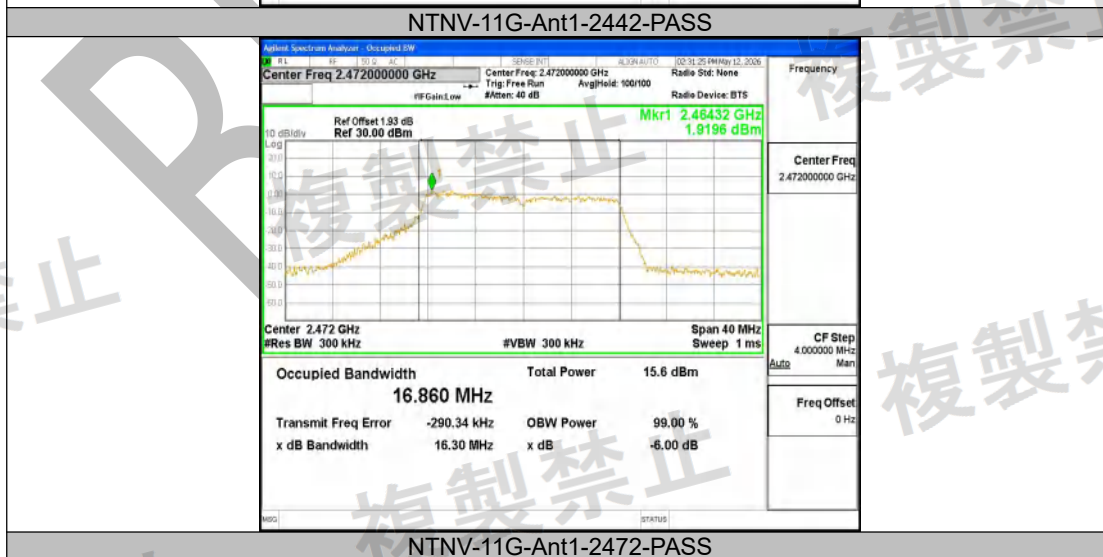
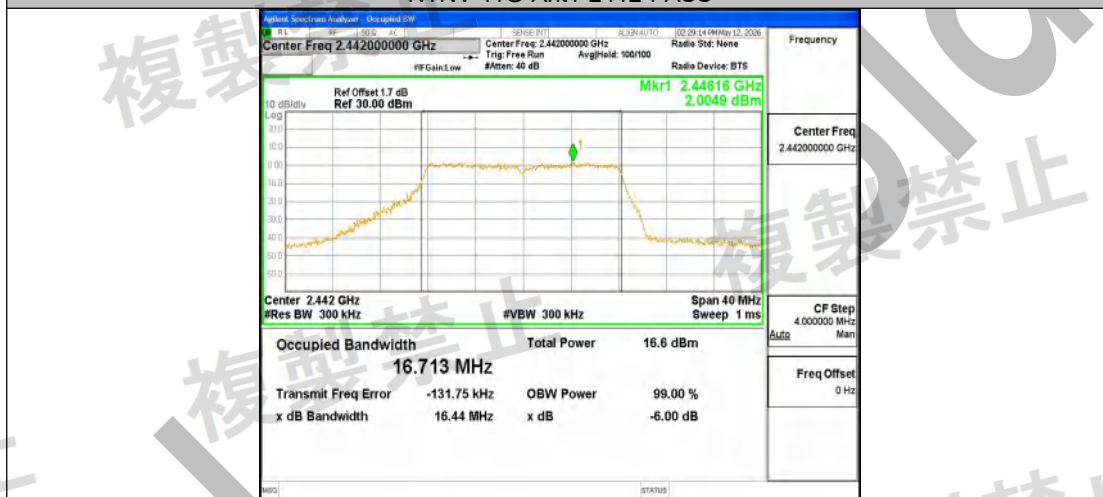
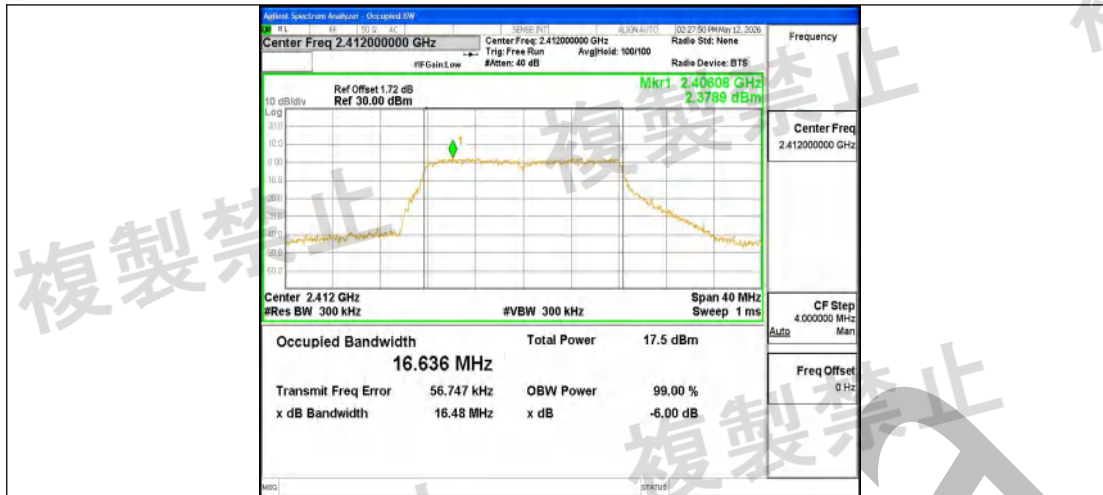
Test Requirement:	Item 19 of Article 2-1
	OFDM: 26MHz or less OFDM: 26MHz -40MHz DSSS: 26MHz or less
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement.
	2. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.
	3. Spectrum Analyzer conditions:
	Frequency: Test Frequency Span 40MHz (DSSS,OFDM) RBW 300kHz VBW300kHz Sweep Time Auto detector mode Positive peak Indication mode Max hold OBW 99%

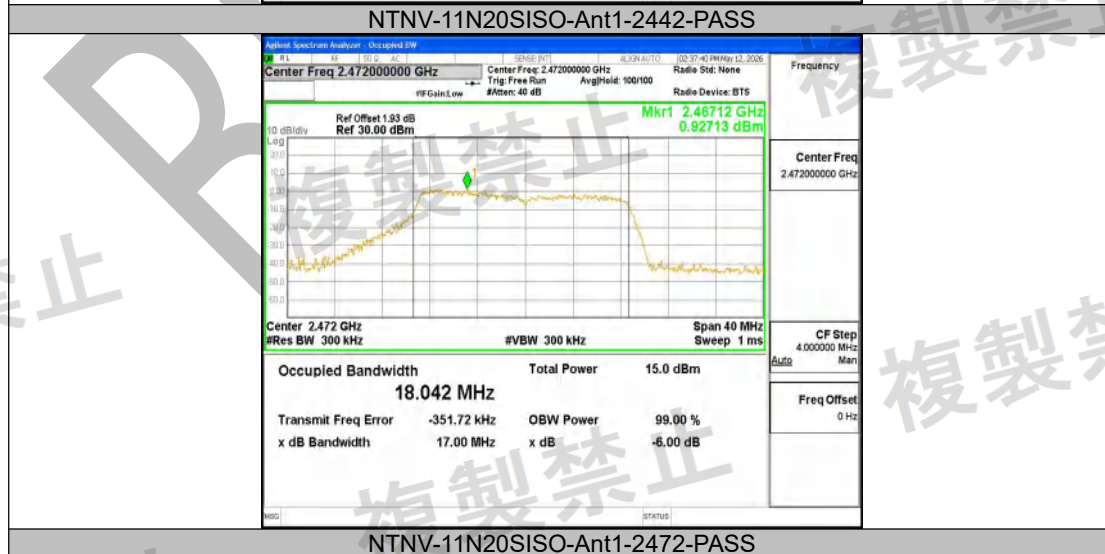
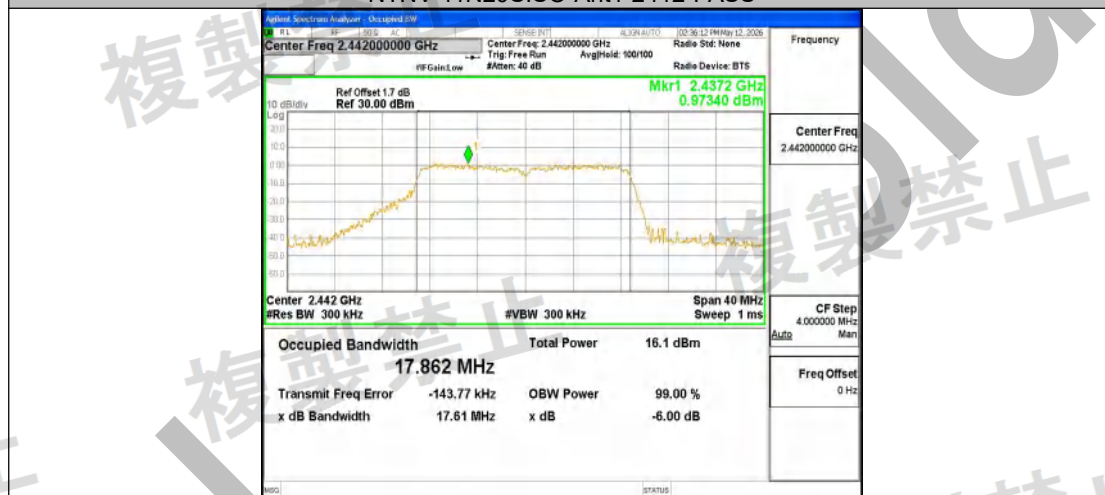
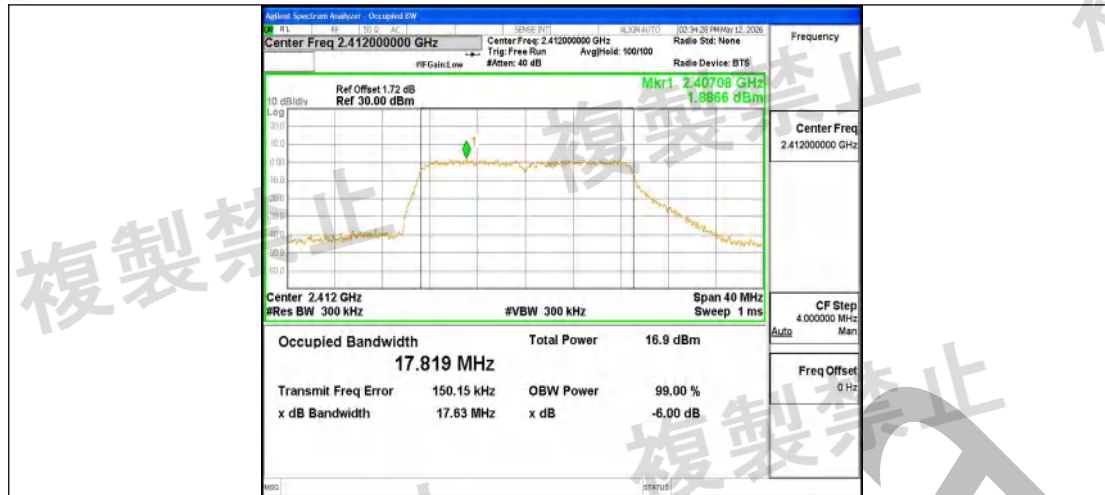
8.9.1 Test Result

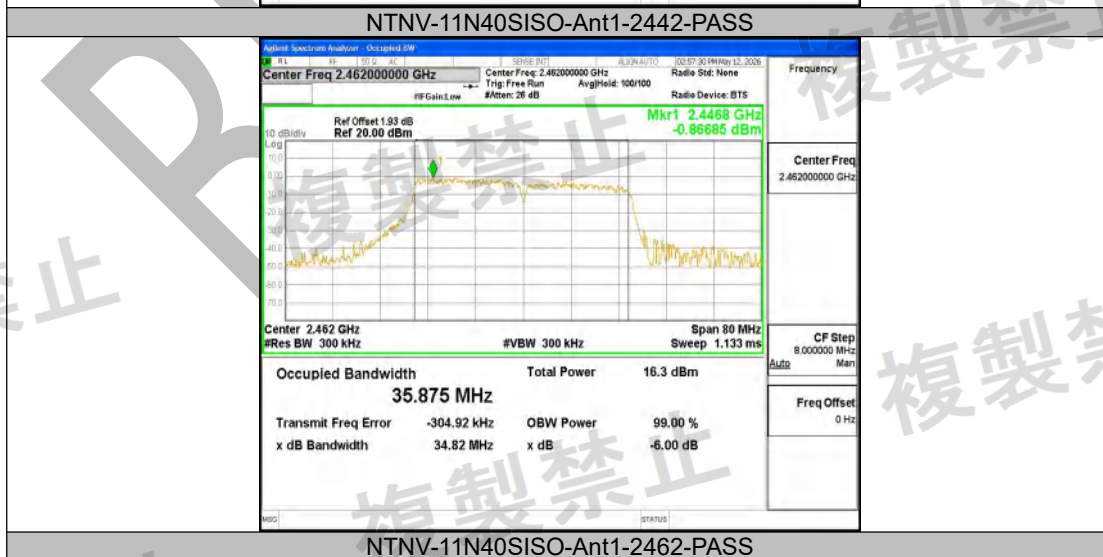
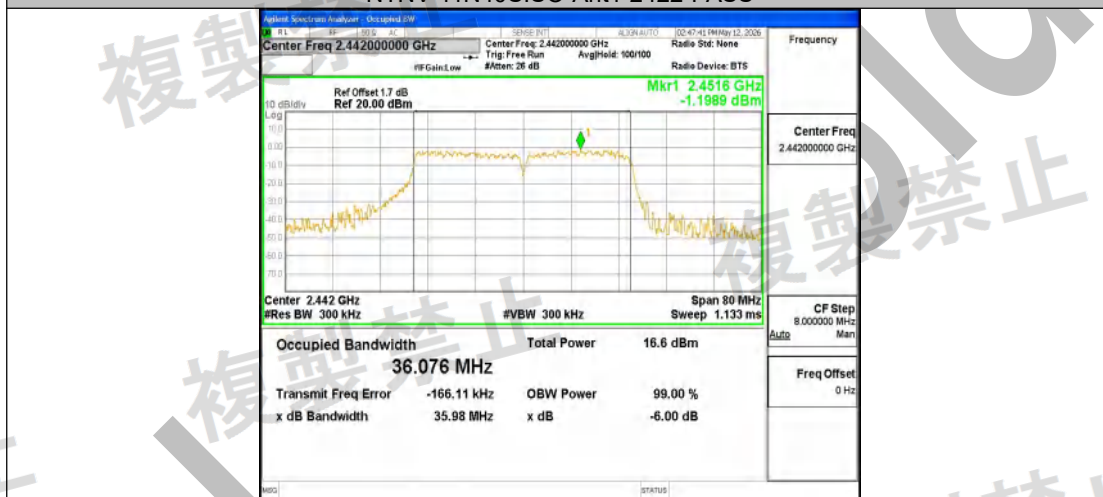
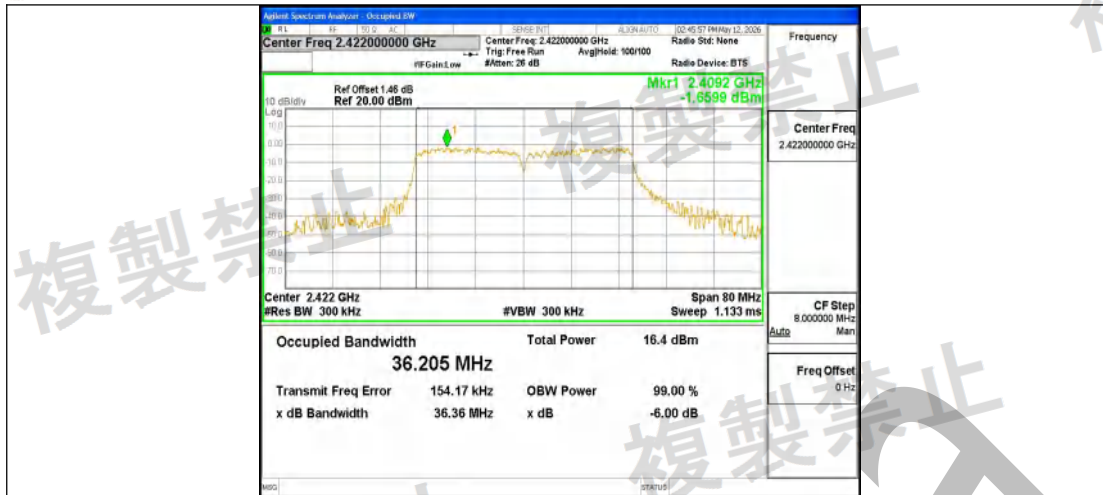
TestCondition	TestMode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	16.459	<=26	PASS
			2442	16.559	<=26	PASS
			2472	16.855	<=26	PASS
	11G	Ant1	2412	16.636	<=26	PASS
			2442	16.713	<=26	PASS
			2472	16.860	<=26	PASS
	11N20SISO	Ant1	2412	17.819	<=26	PASS
			2442	17.862	<=26	PASS
			2472	18.042	<=26	PASS
	11N40SISO	Ant1	2422	36.205	26-40	PASS
			2442	36.076	26-40	PASS
			2462	35.875	26-40	PASS
	11AX20SISO	Ant1	2412	18.886	≤26	PASS
			2442	18.893	≤26	PASS
			2472	18.943	≤26	PASS

8.9.2 Test Graphs











Test result: The unit does meet the requirements.

8.10 Spread spectrum Bandwidth (90%)

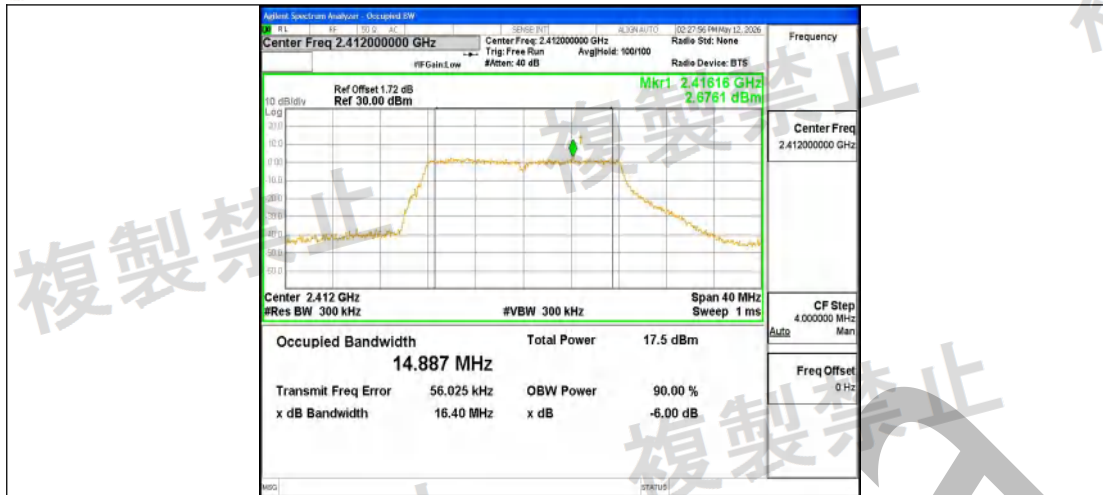
Test Requirement:	Item 19 of Article 2-1
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. 3. Spectrum Analyzer conditions: Frequency: Test Frequency Span 40MHz (DSSS, OFDM) RBW 300kHz VBW 300kHz Sweep Time Auto detector mode Positive peak Indication mode Max hold OBW 90%

8.10.1 Test Result

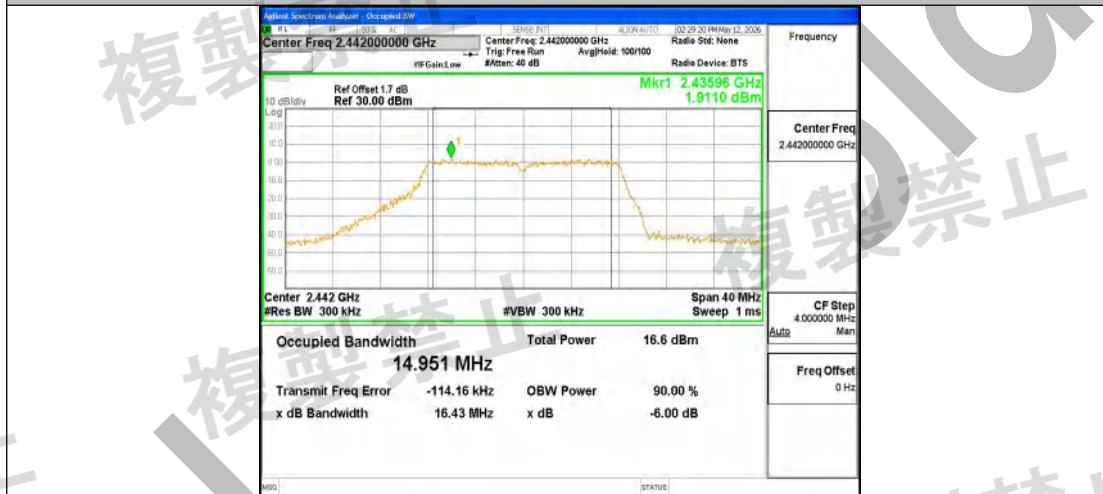
TestCondition	TestMode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	12.638	N/A	PASS
			2442	12.800	N/A	PASS
			2472	13.135	N/A	PASS
	11G	Ant1	2412	14.887	N/A	PASS
			2442	14.951	N/A	PASS
			2472	14.770	N/A	PASS
	11N20SISO	Ant1	2412	15.652	N/A	PASS
			2442	15.697	N/A	PASS
			2472	15.626	N/A	PASS
	11N40SISO	Ant1	2422	32.567	N/A	PASS
			2442	32.462	N/A	PASS
			2462	31.144	N/A	PASS
	11AX20SISO	Ant1	2412	16.652	N/A	PASS
			2442	16.763	N/A	PASS
			2472	16.774	N/A	PASS

8.10.2 Test Graphs

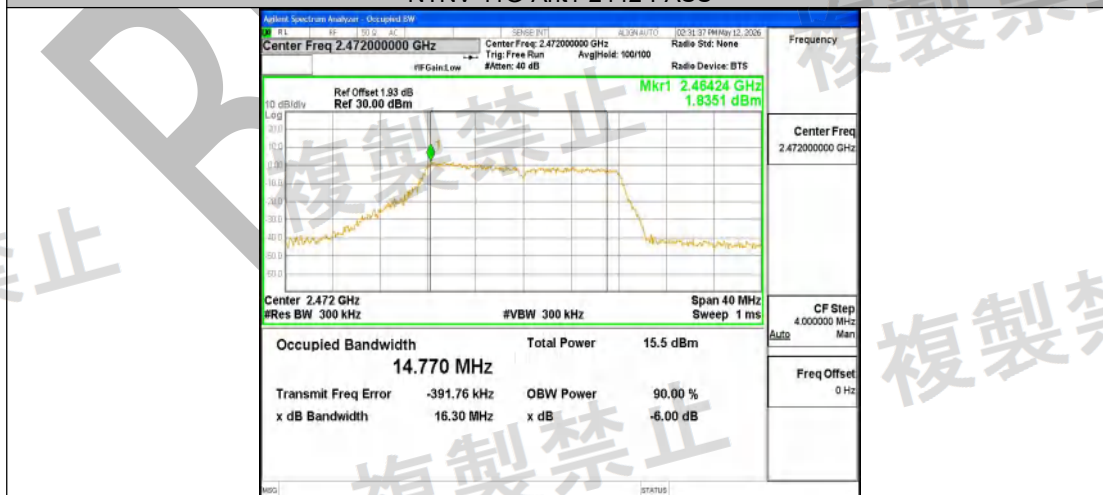




NTNV-11G-Ant1-2412-PASS



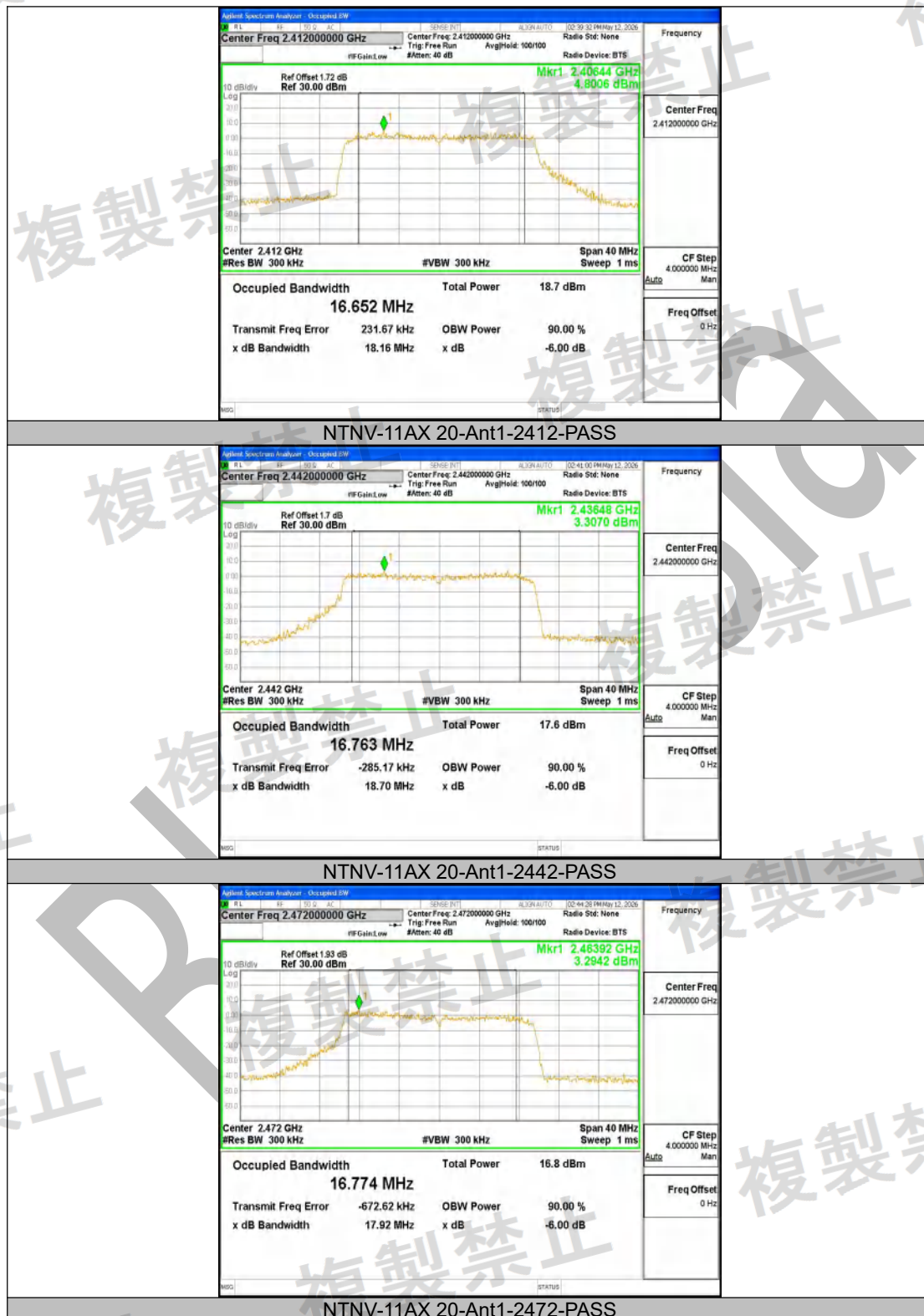
NTNV-11G-Ant1-2442-PASS



NTNV-11G-Ant1-2472-PASS







Test result: The unit does meet the requirements.

8.11 Antenna Power

Test Requirement:	Item 19 of Article 2-1
	OFDM, DSSS: 0.01W /MHz or less OFDM OBW 26 - 40MHz: 5mW /MHz or less
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement.
	2. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.
	3. Spectrum Analyzer conditions: Setup 1: Settings for search: Frequency: Test Frequency Span OBW×2 RBW 1 MHz VBW 1 MHz Sweep Time Auto detector mode Positive peak Indication mode Max hold Setup2: Settings when measuring. Center frequency: searched frequency. Span: 0MHz RBW:1MHz VBW:1MHz Sweep: 1s Detector: RMS Display mode (Trace): RMS 10 times approx.

8.11.1 Test Result

AntennaPower							
TestCondition	TestMode	Antenna	Channel	Result(dBm/MHz)	Result(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11B	Ant1	2412	3.600	2.291	<=10	PASS
			2442	4.480	2.805	<=10	PASS
			2472	3.270	2.123	<=10	PASS
	11G	Ant1	2412	6.173	4.143	<=10	PASS
			2442	5.152	3.275	<=10	PASS
			2472	5.619	3.647	<=10	PASS
	11N20SISO	Ant1	2412	6.003	3.984	<=10	PASS
			2442	4.785	3.010	<=10	PASS
			2472	5.291	3.381	<=10	PASS
	11N40SISO	Ant1	2422	4.008	2.517	<=5	PASS
			2442	4.004	2.514	<=5	PASS
			2462	5.065	3.210	<=5	PASS
	11AX20SISO	Ant1	2412	6.915	4.915	<=10	PASS
			2442	6.559	4.528	<=10	PASS
			2472	6.424	4.389	<=10	PASS

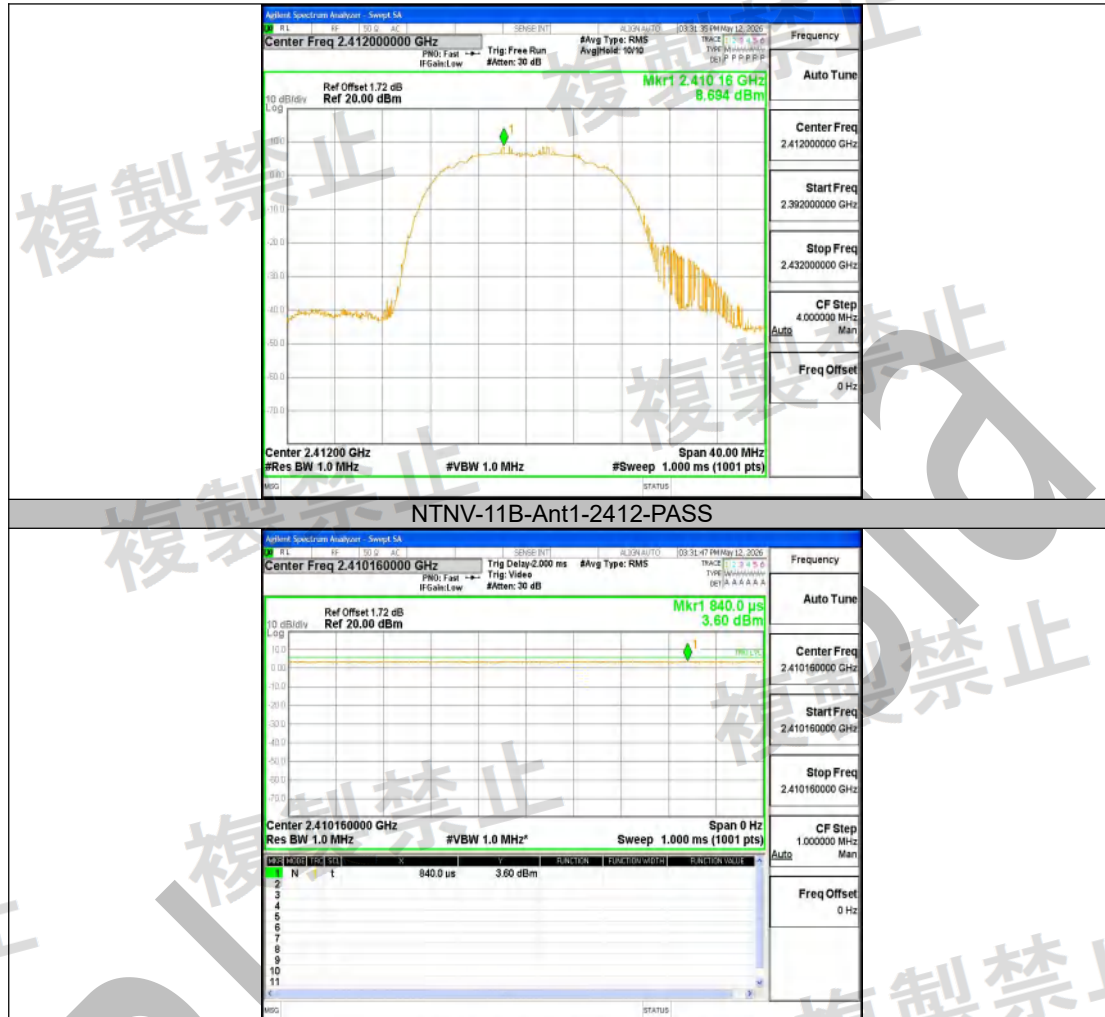
Tolerance								
Test Condition	Test Mode	Antenna	Channel	Power (mW/MHz)	RatedPower (mW/MHz)	Result(%)	Limit(%)	Verdict
NTNV	11B	Ant1	2412	2.291	5.0	-54.18	+20	PASS
			2442	2.805	5.0	-43.90	+20	PASS
			2472	2.123	5.0	-57.54	+20	PASS
	11G	Ant1	2412	4.143	5.0	-17.14	+20	PASS
			2442	3.275	5.0	-34.50	+20	PASS
			2472	3.647	5.0	-27.06	+20	PASS
	11N20SISO	Ant1	2412	3.984	5.0	-20.32	+20	PASS
			2442	3.010	5.0	-39.80	+20	PASS
			2472	3.381	5.0	-32.38	+20	PASS
	11N40SISO	Ant1	2422	2.517	4.9	-49.66	+20	PASS
			2442	2.514	4.9	-48.69	+20	PASS
			2462	3.210	4.9	-34.49	+20	PASS
	11AX20SISO	Ant1	2412	4.915	5.0	0.31	+20	PASS
			2442	4.528	5.0	-9.44	+20	PASS
			2472	4.389	5.0	-12.22	+20	PASS

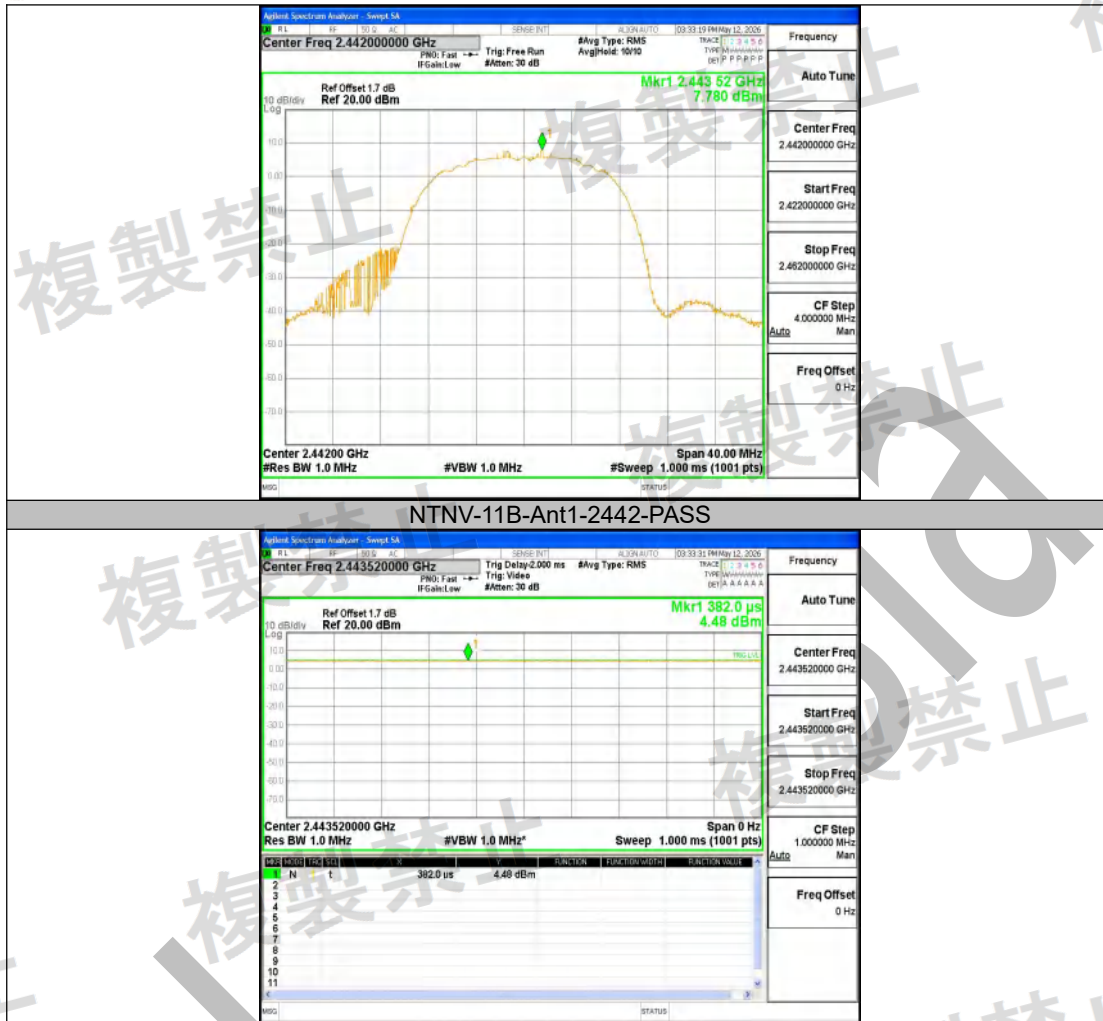
Conducted rated power:1)802.11b, 802.11g, 802.11n (HT20), 802.11ax (HE20) 5.0mW/MHz

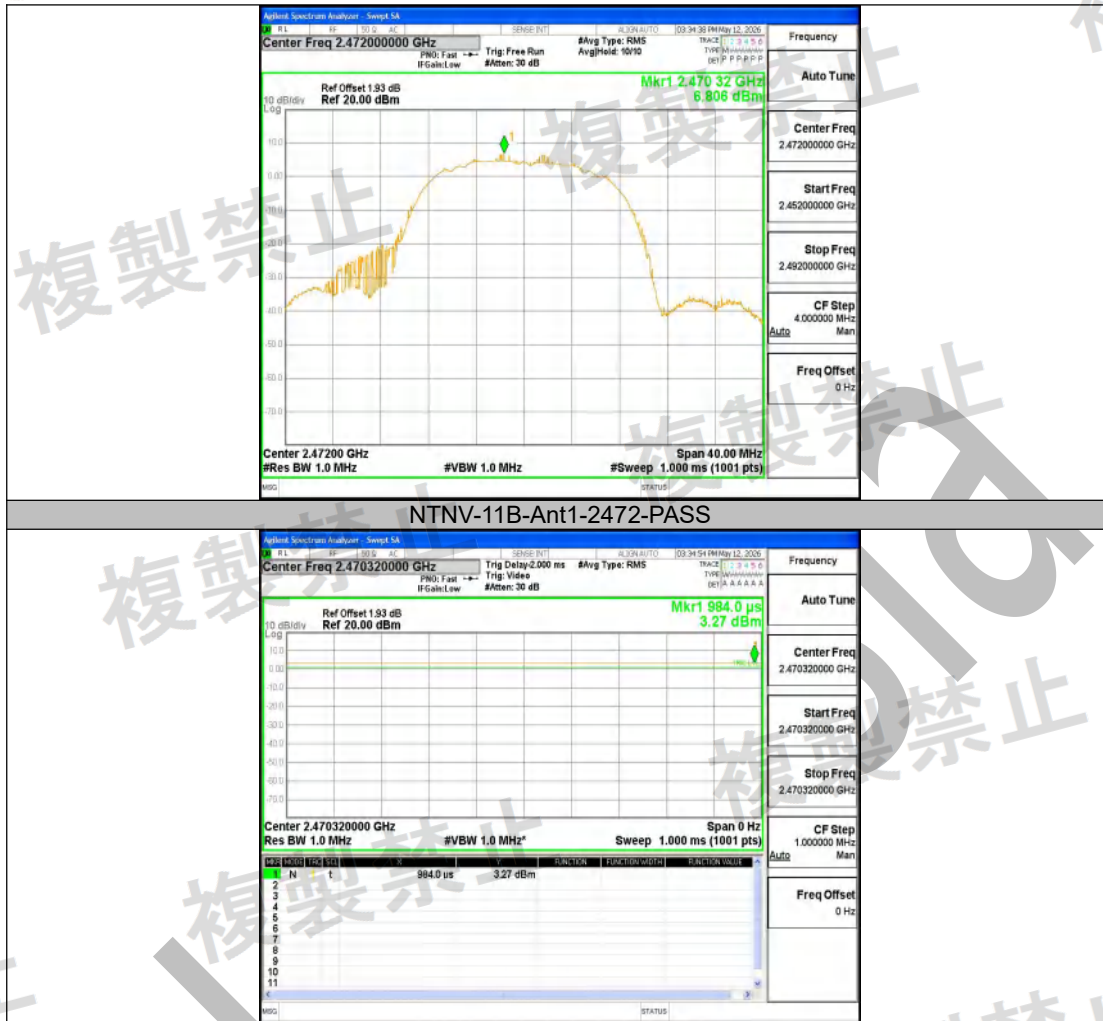
2)802.11n(HT40) 4.9mW/MHz

EIRP (Max)						
TestCondition	TestMode	Antenna	Channel	Result(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTNV	11B	Ant1	2412	6.800	<=12.14	PASS
			2442	7.680	<=12.14	PASS
			2472	6.470	<=12.14	PASS
	11G	Ant1	2412	9.373	<=12.14	PASS
			2442	8.352	<=12.14	PASS
			2472	8.819	<=12.14	PASS
	11N20SISO	Ant1	2412	9.203	<=12.14	PASS
			2442	7.985	<=12.14	PASS
			2472	8.491	<=12.14	PASS
	11N40SISO	Ant1	2422	7.208	<=9.14	PASS
			2442	7.204	<=9.14	PASS
			2462	8.265	<=9.14	PASS
	11AX20SISO	Ant1	2412	10.115	<=12.14	PASS
			2442	9.759	<=12.14	PASS
			2472	9.624	<=12.14	PASS

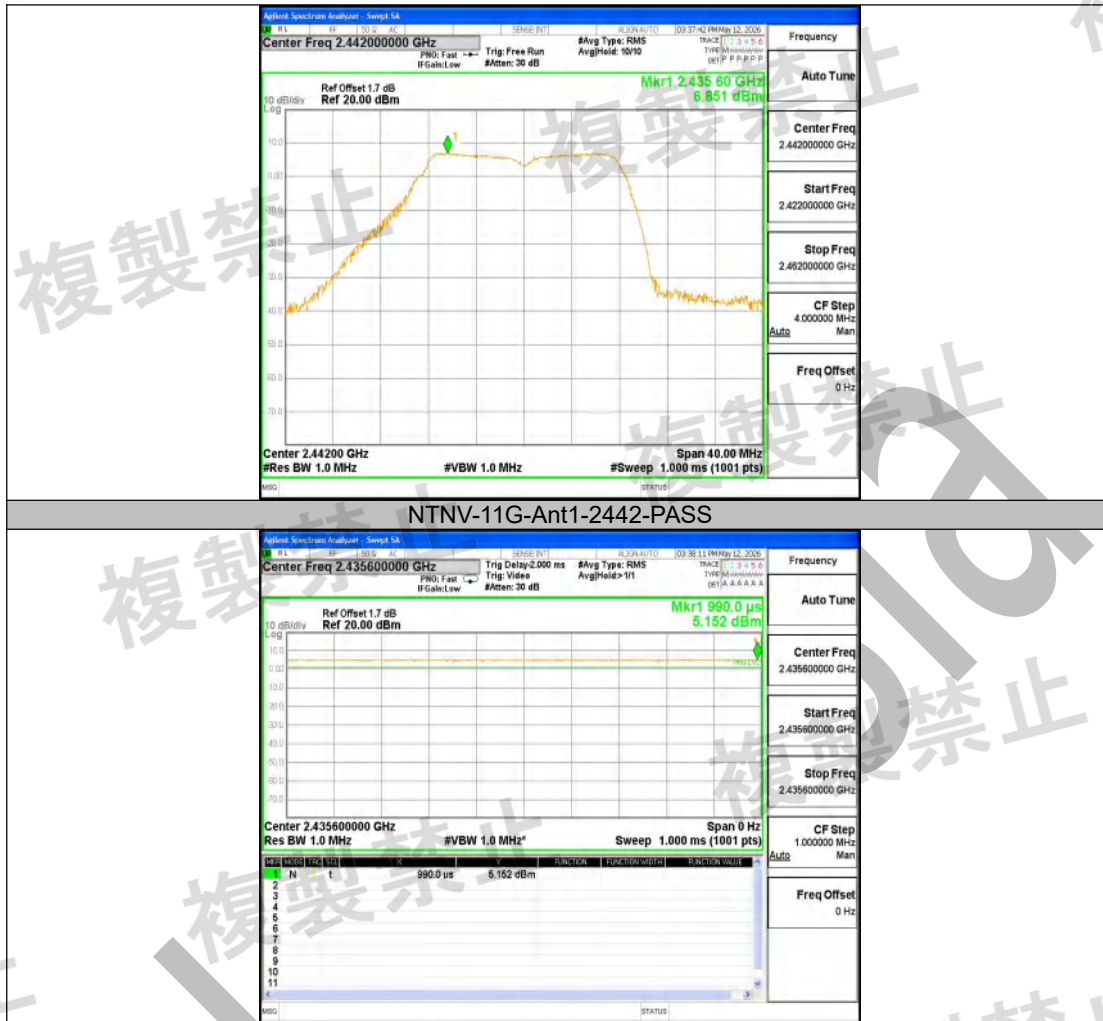
8.11.2 Test Graphs

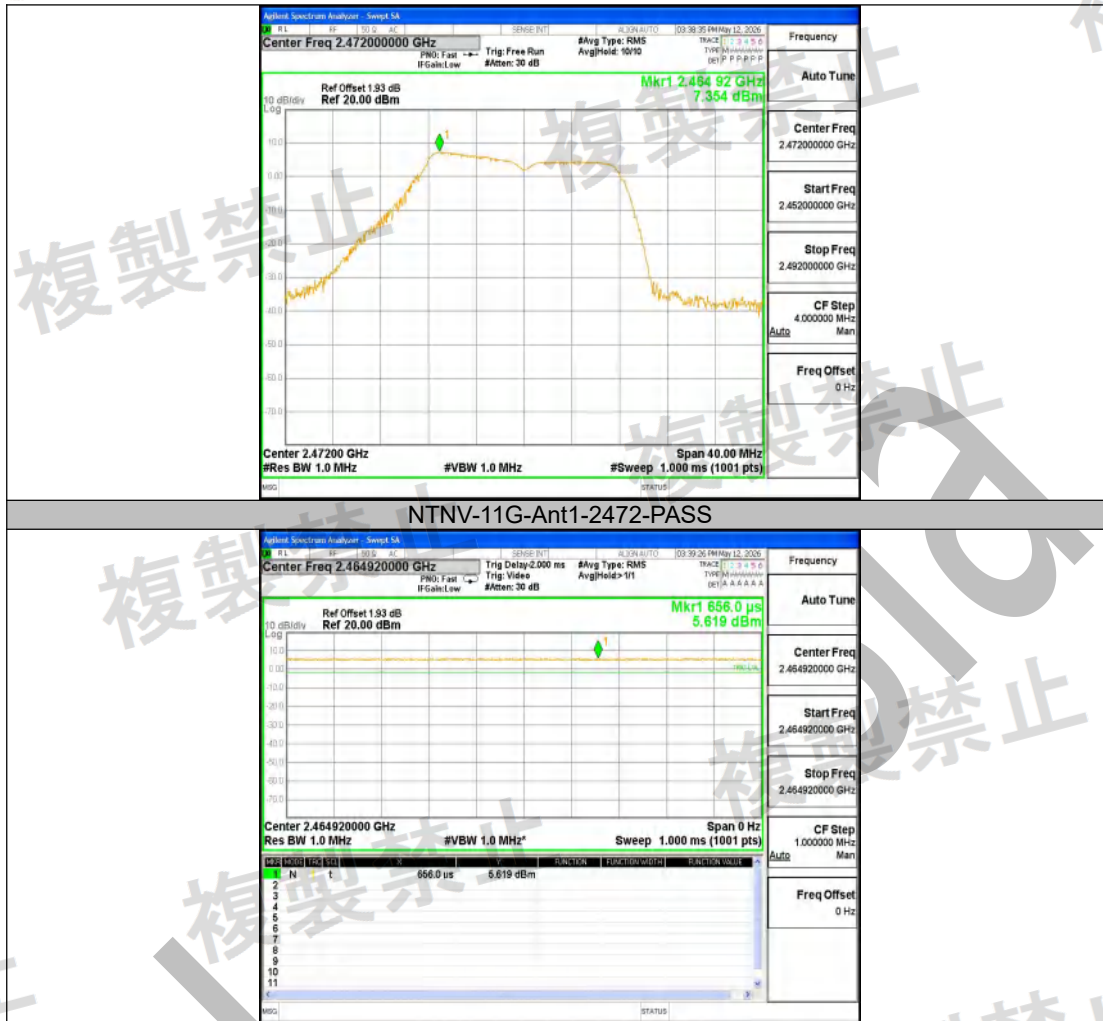




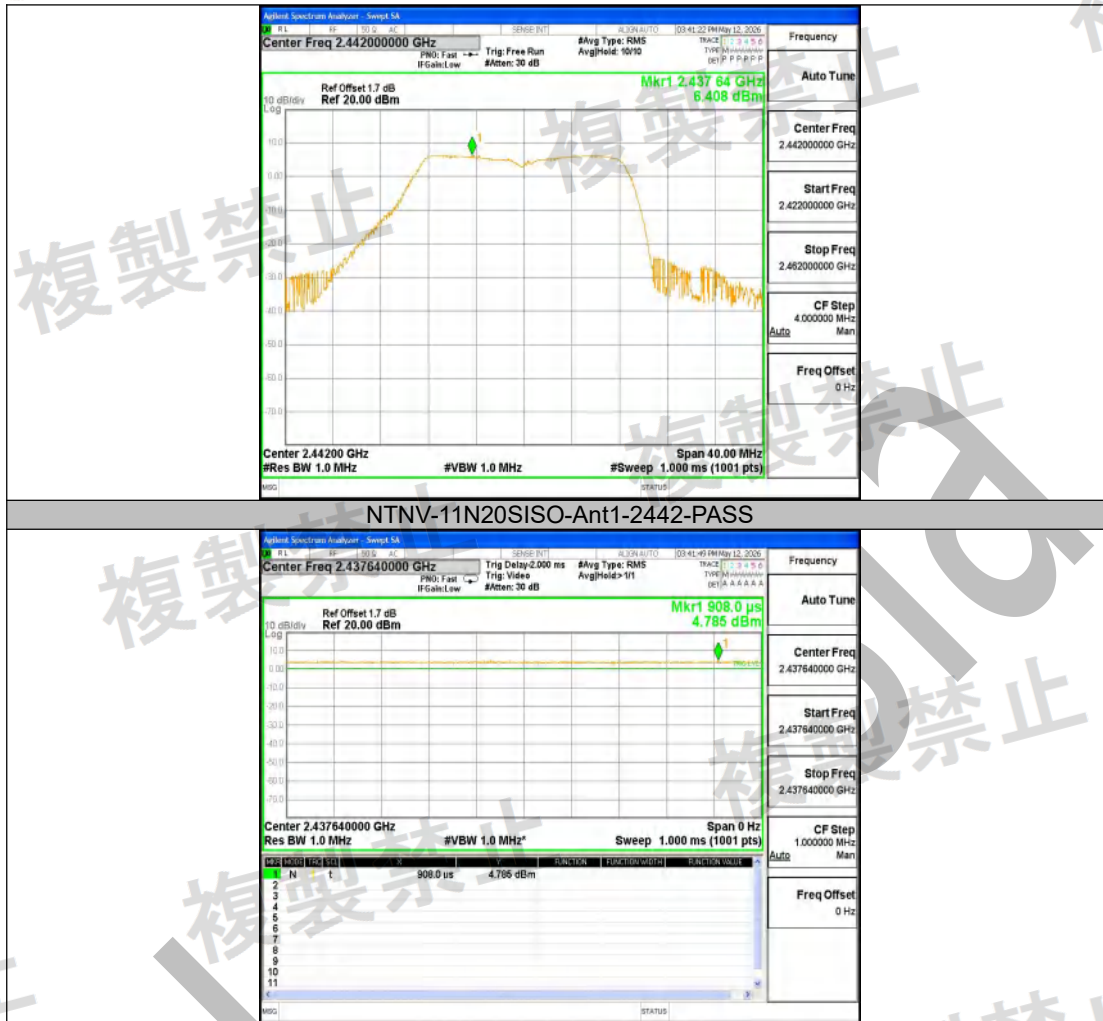


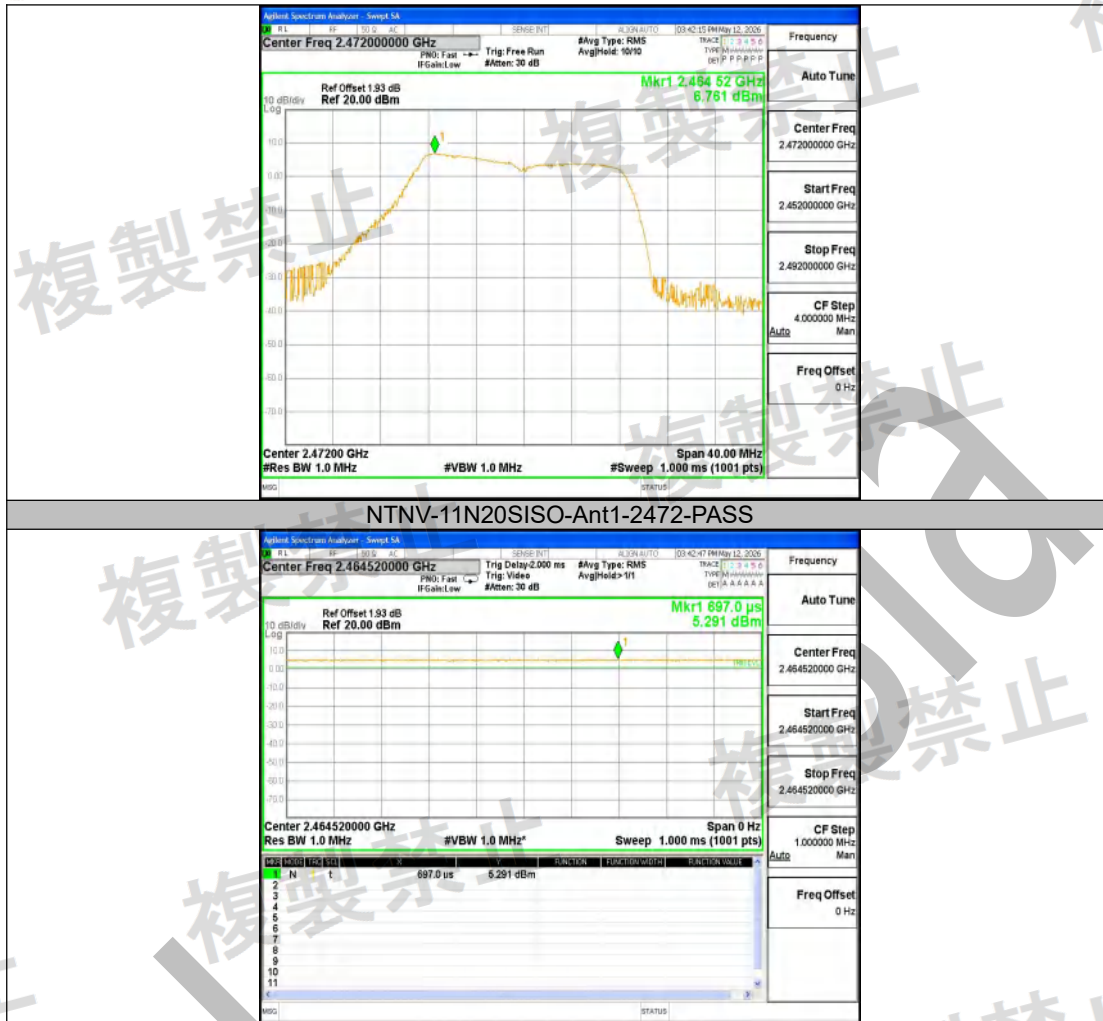


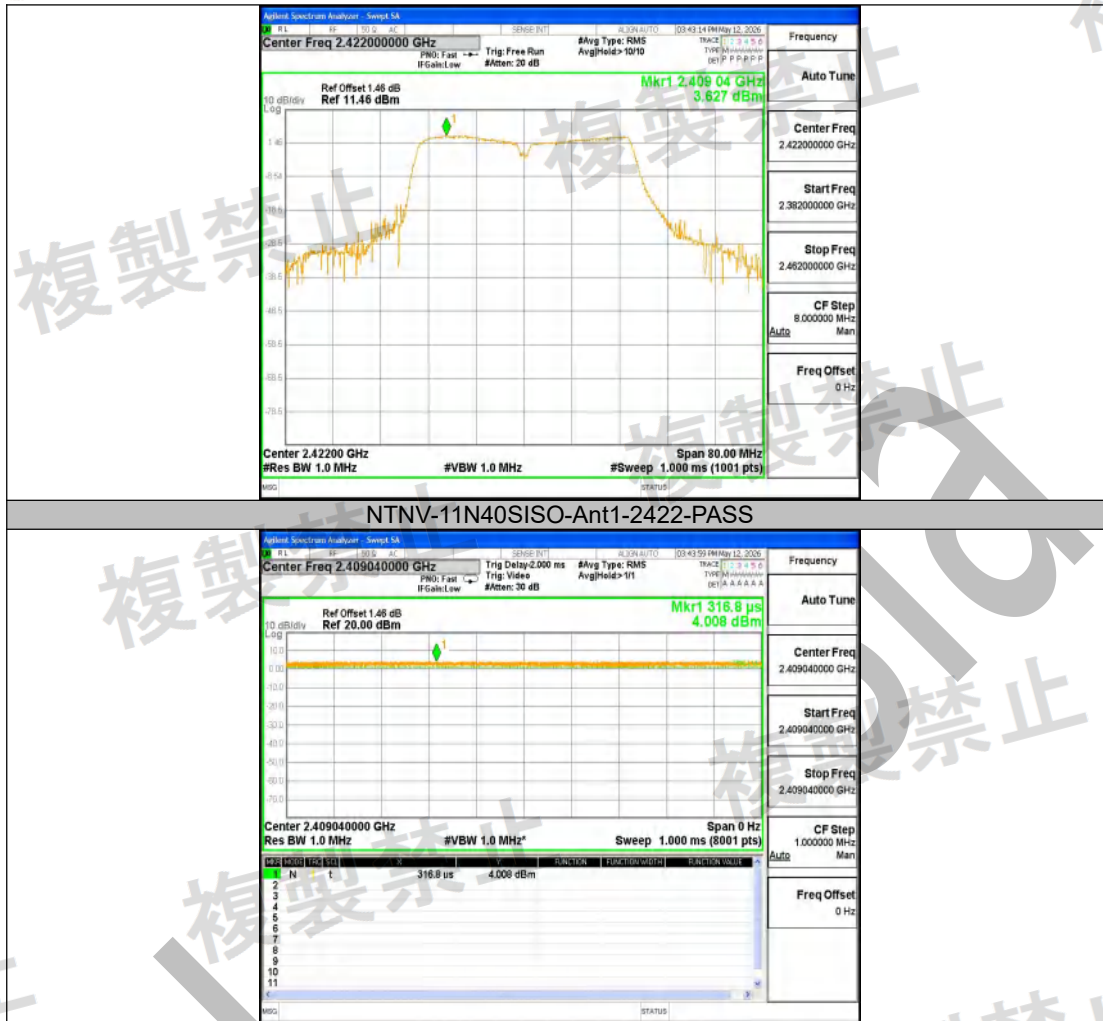


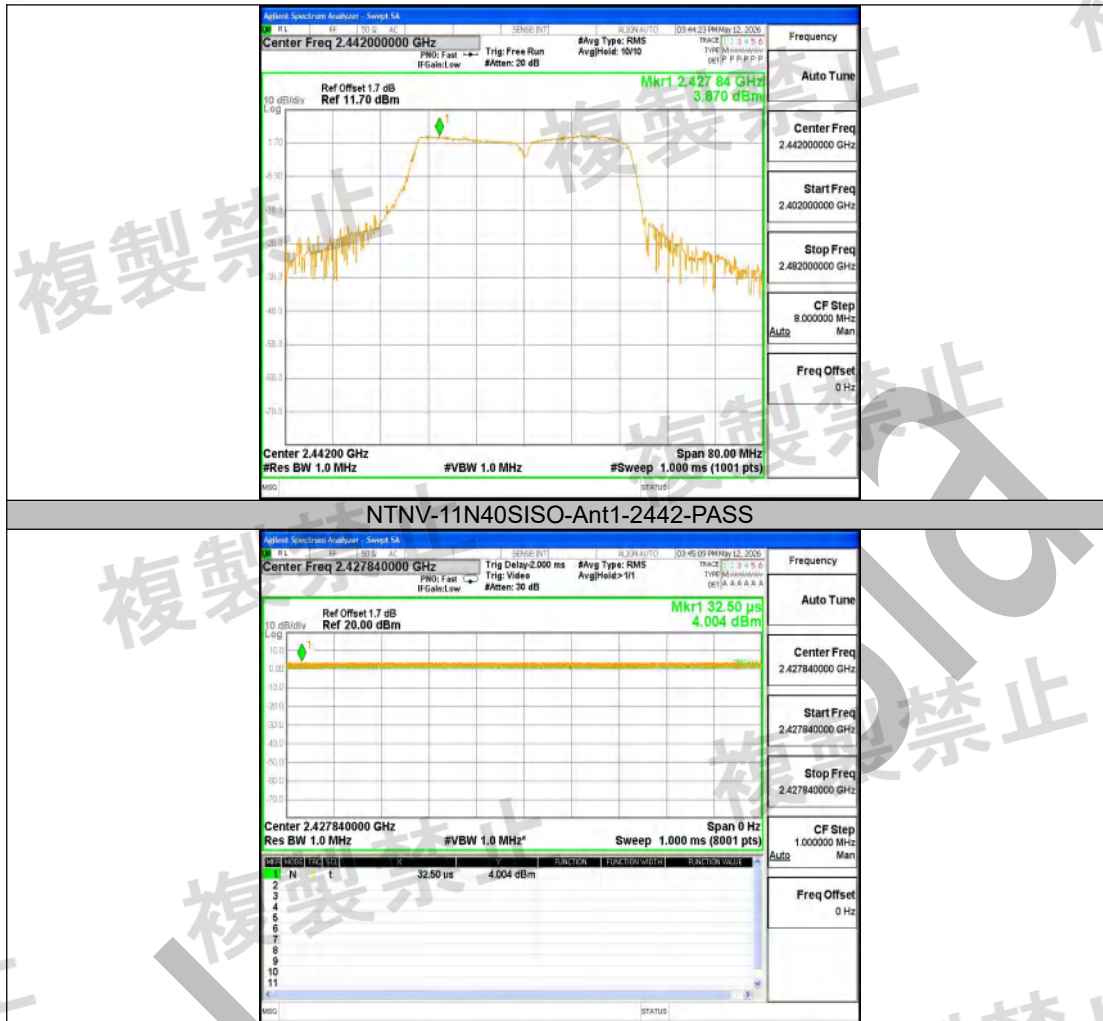




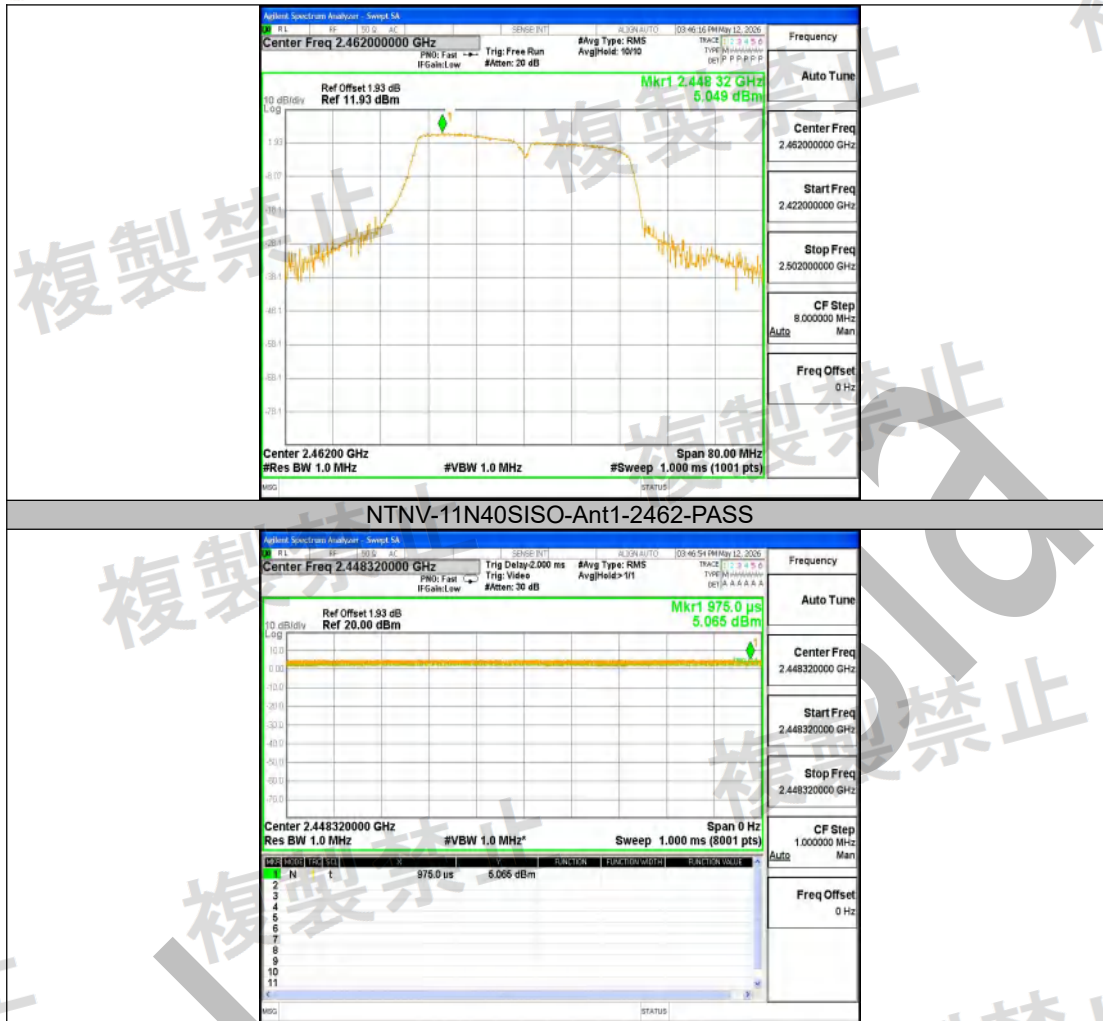


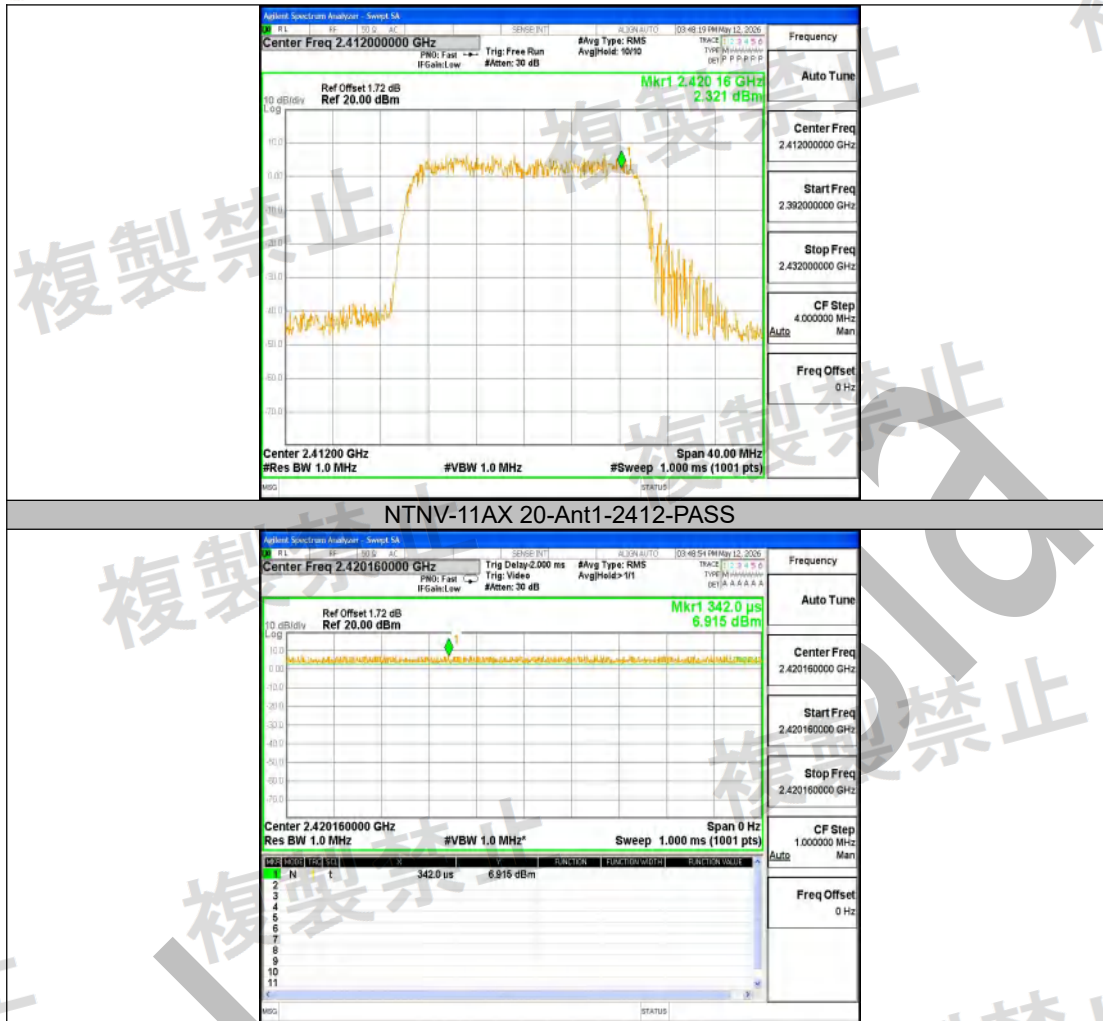


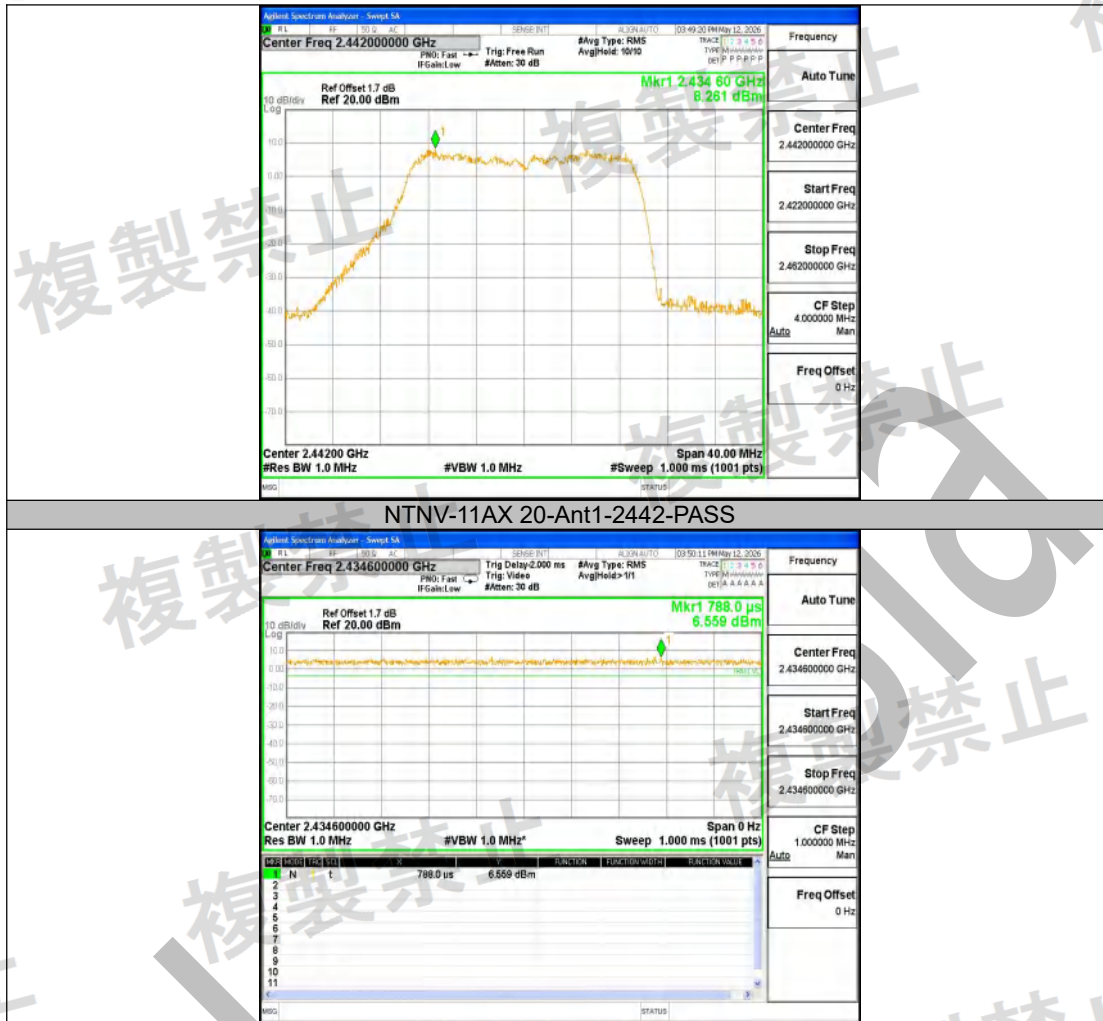


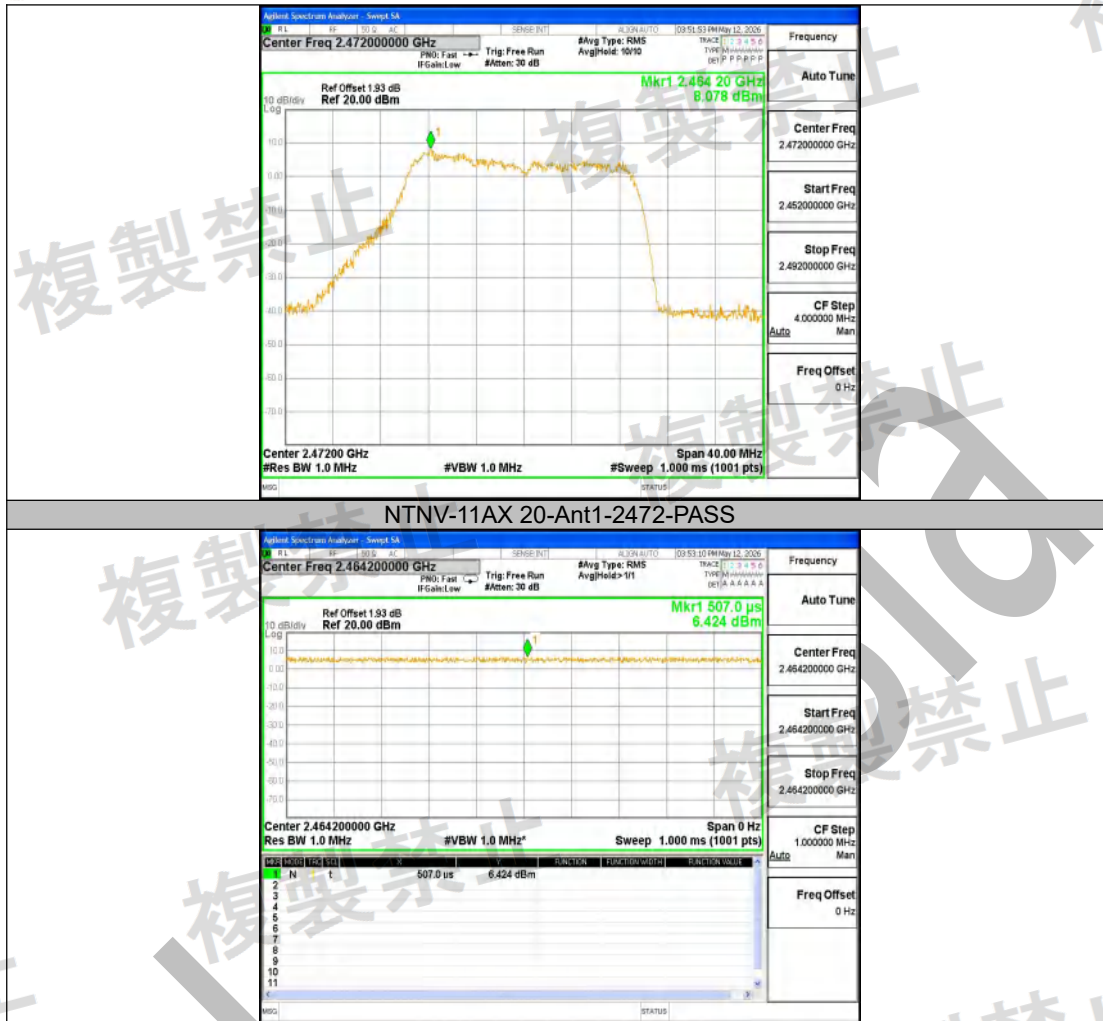


NTNV-11N40SISO-Ant1-2442-PASS









Test result: The unit does meet the requirements.

8.12 Spurious Emissions of Tx

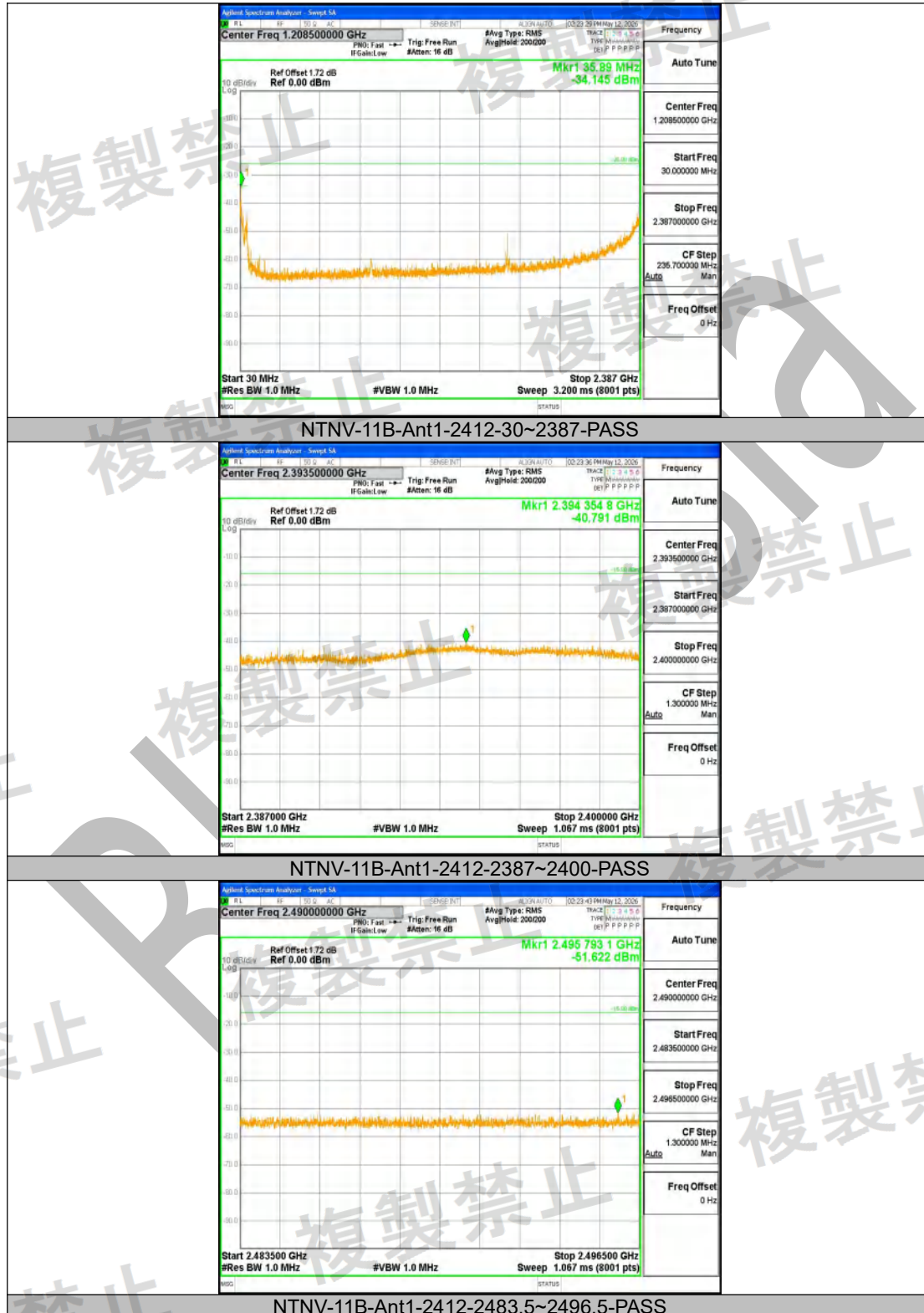
Test Requirement:	Item 19 of Article 2-1 for 2412-2472MHz (1) Below 2387 MHz : 2.5μW/MHz (-26dBm) (2) 2387 to 2400 MHz : 25μW/MHz (-16dBm) (3) 2483.5 through 2496.5 MHz : 25μW/MHz (-16dBm) (4) Over 2496.5 MHz : 2.5μW/MHz (-26dBm)
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	Test Conditions: Spectrum Analyzer is used for measurement.
	EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.
	Spectrum Analyzer conditions: Step1 All spurious are measured from 30MHz to 13 GHz by peak mode. Test setup for Step 1: Frequency: 30MHz – 2400MHz , 2483.5MHz –13GHz (for 2412-2472MHz) RBW 1 MHz VBW 1 MHz Sweep Time Auto detector mode Positive peak Indication mode Max hold Step2 Test setup for Step 2: Frequency: Spurious Frequency RBW 1 MHz VBW 1 MHz Sweep Time Auto detector mode Sample Indication mode Max hold

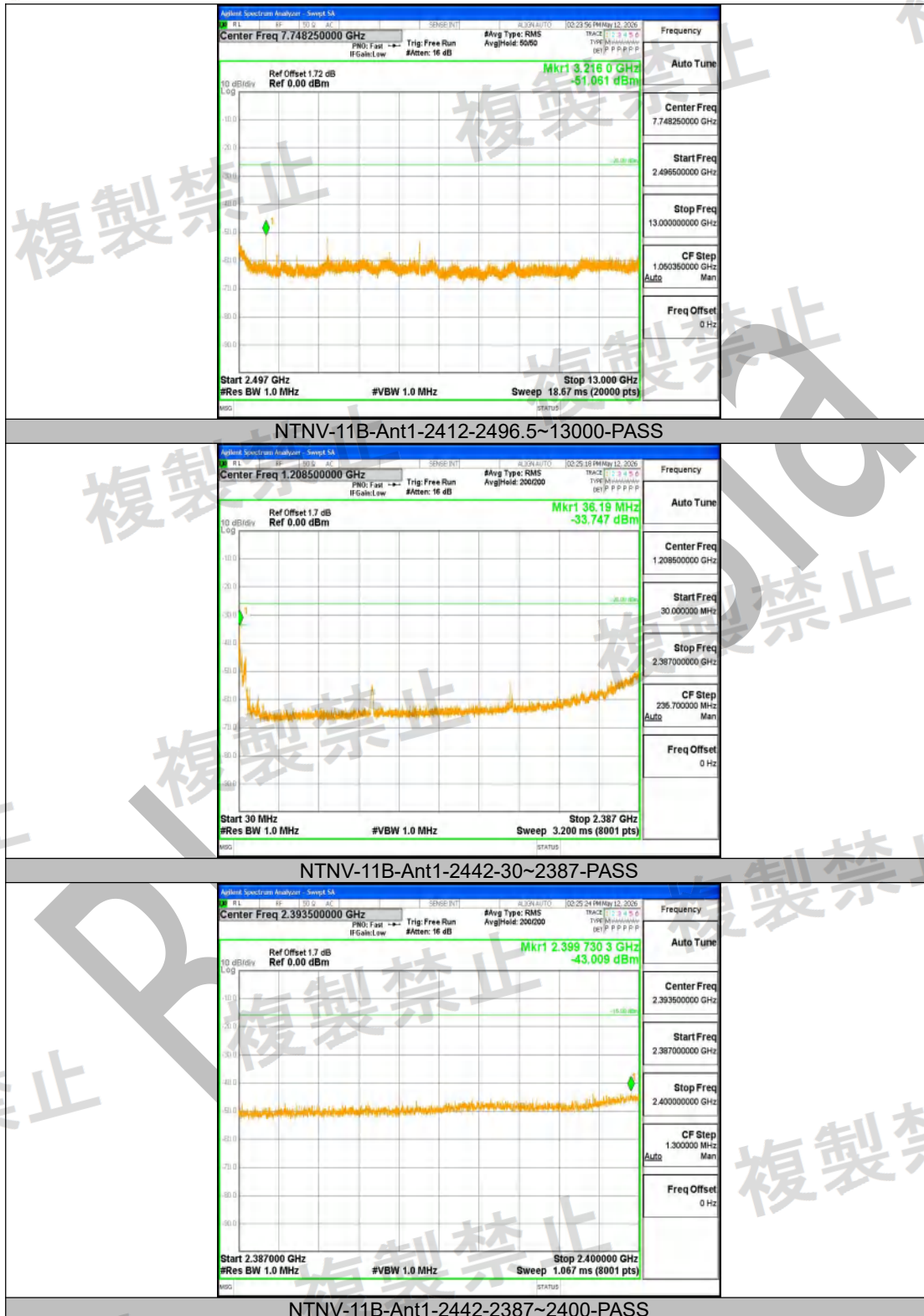
8.12.1 Test Result

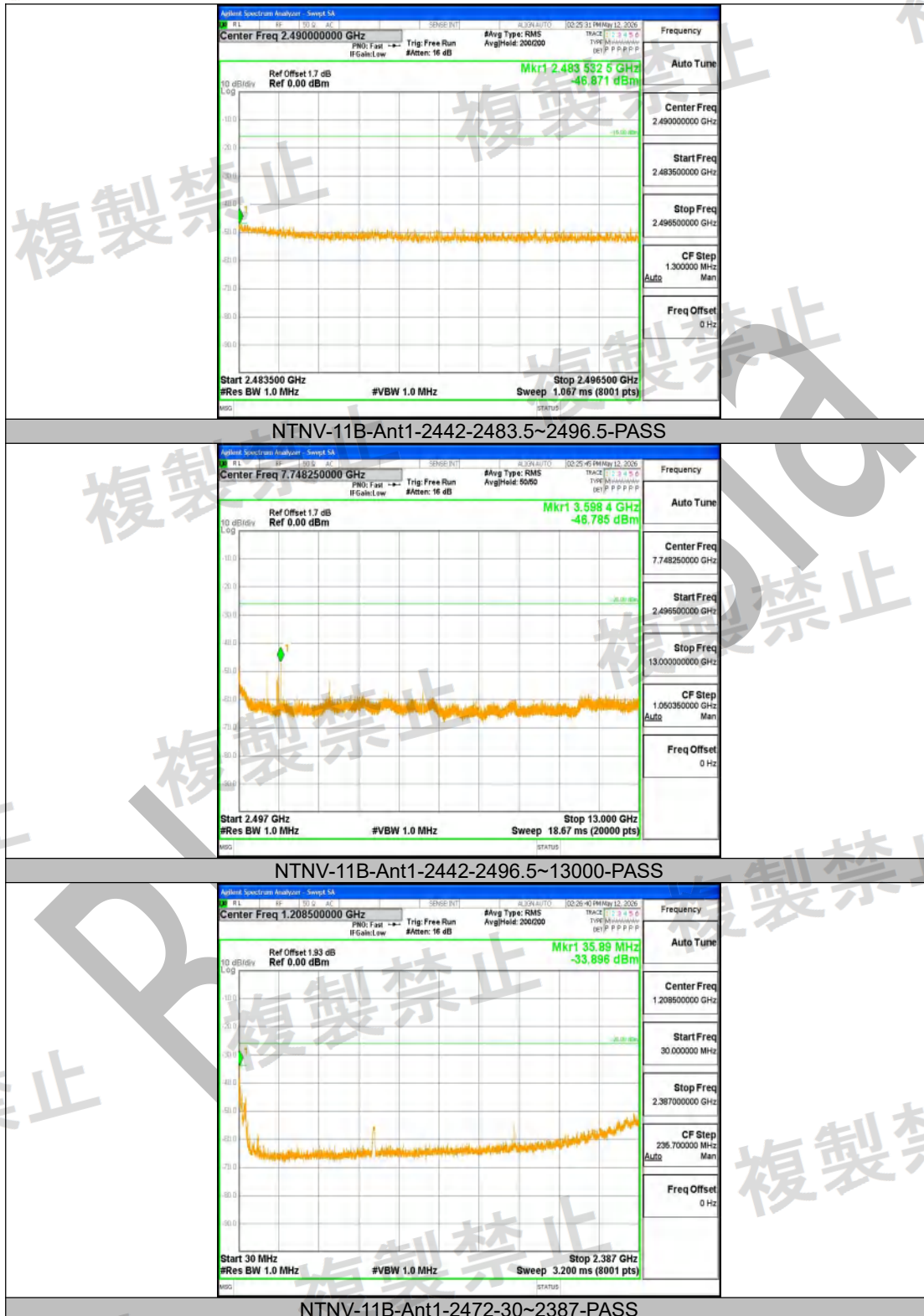
Test Condition	Test Mode	Antenna	Channel	Freq.Range [MHz]	Freq [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
NTNV	11B	Ant1	2412	30~2387	35.89	-34.15	<=-26	PASS
				2387~2400	2394.35	-40.79	<=-16	PASS
				2483.5~2496.5	2495.79	-51.62	<=-16	PASS
				2496.5~13000	3216.03	-51.06	<=-26	PASS
			2442	30~2387	36.19	-33.75	<=-26	PASS
				2387~2400	2399.73	-43.01	<=-16	PASS
				2483.5~2496.5	2483.53	-46.87	<=-16	PASS
				2496.5~13000	3598.37	-46.79	<=-26	PASS
			2472	30~2387	35.89	-33.90	<=-26	PASS
				2387~2400	2399.98	-48.62	<=-16	PASS
				2483.5~2496.5	2488.80	-37.16	<=-16	PASS
				2496.5~13000	2499.65	-44.69	<=-26	PASS
	11G	Ant1	2412	30~2387	35.89	-34.27	<=-26	PASS
				2387~2400	2399.80	-29.88	<=-16	PASS
				2483.5~2496.5	2487.30	-52.26	<=-16	PASS
				2496.5~13000	3216.03	-48.87	<=-26	PASS
			2442	30~2387	36.19	-33.98	<=-26	PASS
				2387~2400	2399.57	-44.25	<=-16	PASS
				2483.5~2496.5	2483.90	-46.64	<=-16	PASS
				2496.5~13000	3256.47	-48.44	<=-26	PASS
			2472	30~2387	36.19	-33.63	<=-26	PASS
				2387~2400	2398.96	-48.62	<=-16	PASS
				2483.5~2496.5	2484.56	-34.07	<=-16	PASS
				2496.5~13000	2499.65	-42.60	<=-26	PASS
	11N20SISO	Ant1	2412	30~2387	35.89	-34.78	<=-26	PASS
				2387~2400	2399.59	-27.48	<=-16	PASS
				2483.5~2496.5	2487.99	-52.43	<=-16	PASS
				2496.5~13000	3216.03	-49.25	<=-26	PASS
			2442	30~2387	36.19	-34.44	<=-26	PASS
				2387~2400	2399.97	-43.85	<=-16	PASS
				2483.5~2496.5	2483.83	-46.70	<=-16	PASS
				2496.5~13000	3256.47	-48.22	<=-26	PASS
			2472	30~2387	36.19	-33.54	<=-26	PASS
				2387~2400	2399.36	-49.03	<=-16	PASS
				2483.5~2496.5	2483.53	-30.41	<=-16	PASS
				2496.5~13000	2497.03	-41.22	<=-26	PASS
	11N40SISO	Ant1	2422	30~2387	2378.46	-33.58	<=-26	PASS
				2387~2400	2398.57	-20.23	<=-16	PASS
				2483.5~2496.5	2484.74	-40.88	<=-16	PASS
				2496.5~13000	2517.51	-49.04	<=-26	PASS
			2442	30~2387	36.19	-33.72	<=-26	PASS
				2387~2400	2397.71	-30.31	<=-16	PASS
				2483.5~2496.5	2485.48	-35.66	<=-16	PASS
				2496.5~13000	3563.71	-48.31	<=-26	PASS
			2462	30~2387	35.89	-33.21	<=-26	PASS
				2387~2400	2399.98	-35.26	<=-16	PASS
				2483.5~2496.5	2483.78	-22.46	<=-16	PASS
				2496.5~13000	2496.50	-33.45	<=-26	PASS
	11AX20SISO	Ant1	2412	30~2387	36.19	-33.83	<=-26	PASS
				2387~2400	2399.74	-28.15	<=-16	PASS
				2483.5~2496.5	2484.09	-51.42	<=-16	PASS
			2442	2496.5~13000	3216.03	-48.69	<=-26	PASS
				30~2387	35.89	-33.81	<=-26	PASS
				2387~2400	2399.96	-44.07	<=-16	PASS
				2483.5~2496.5	2484.14	-47.17	<=-16	PASS

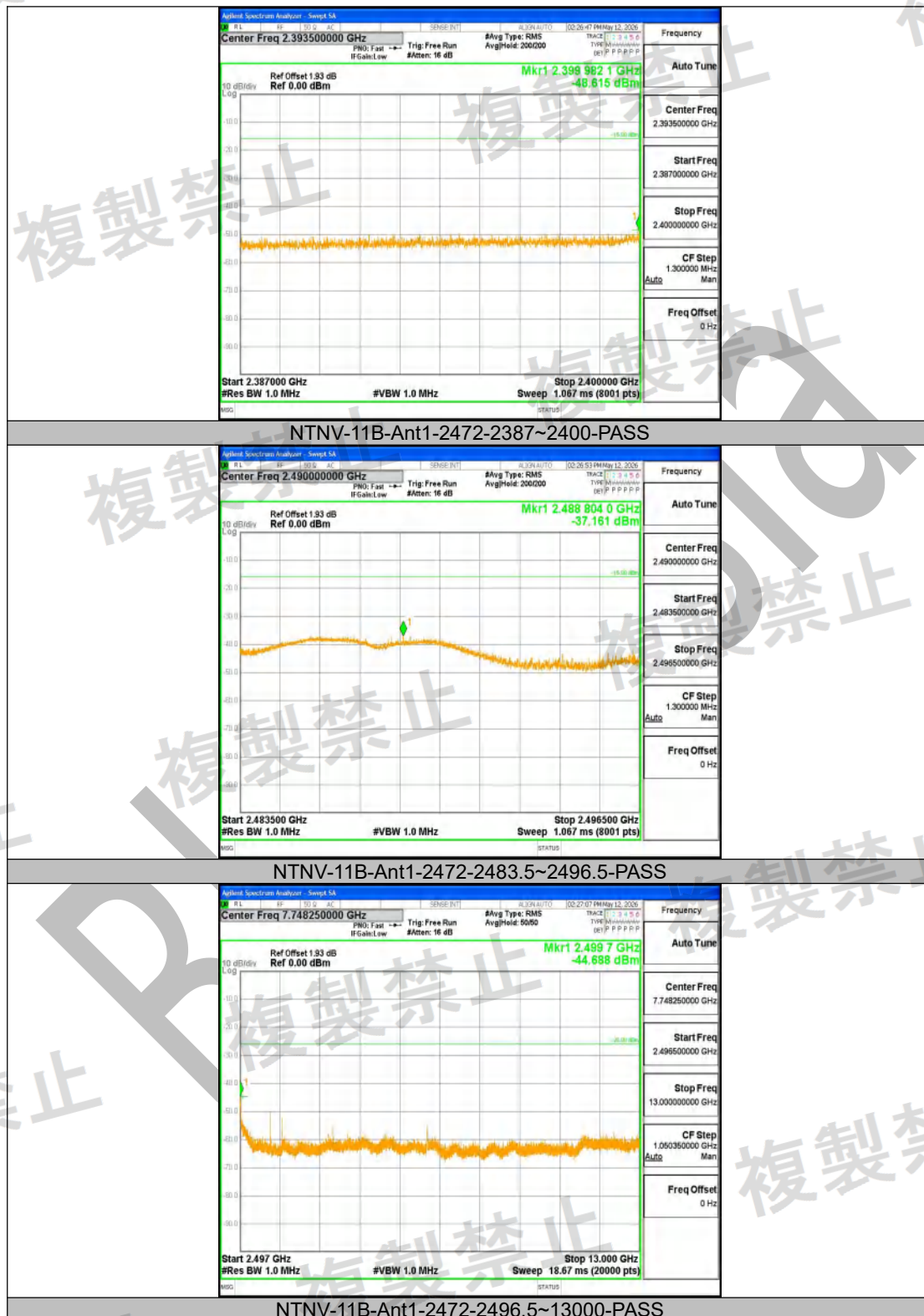
			2472	2496.5~13000	3597.32	-47.26	<=-26	PASS
				30~2387	36.19	-33.60	<=-26	PASS
				2387~2400	2399.65	-48.77	<=-16	PASS
				2483.5~2496.5	2483.72	-32.44	<=-16	PASS
				2496.5~13000	2496.50	-40.53	<=-26	PASS

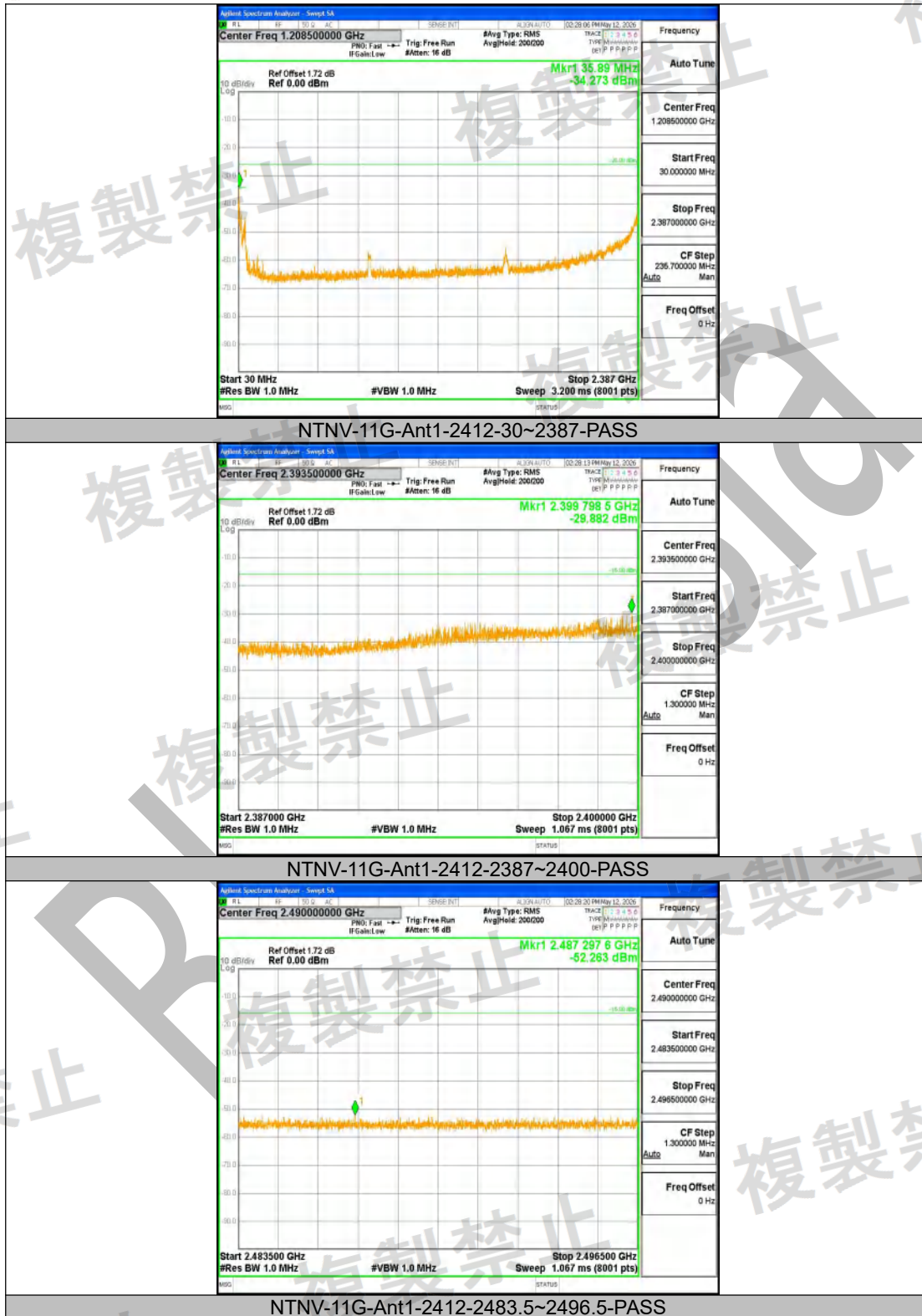
8.12.2 Test Graphs

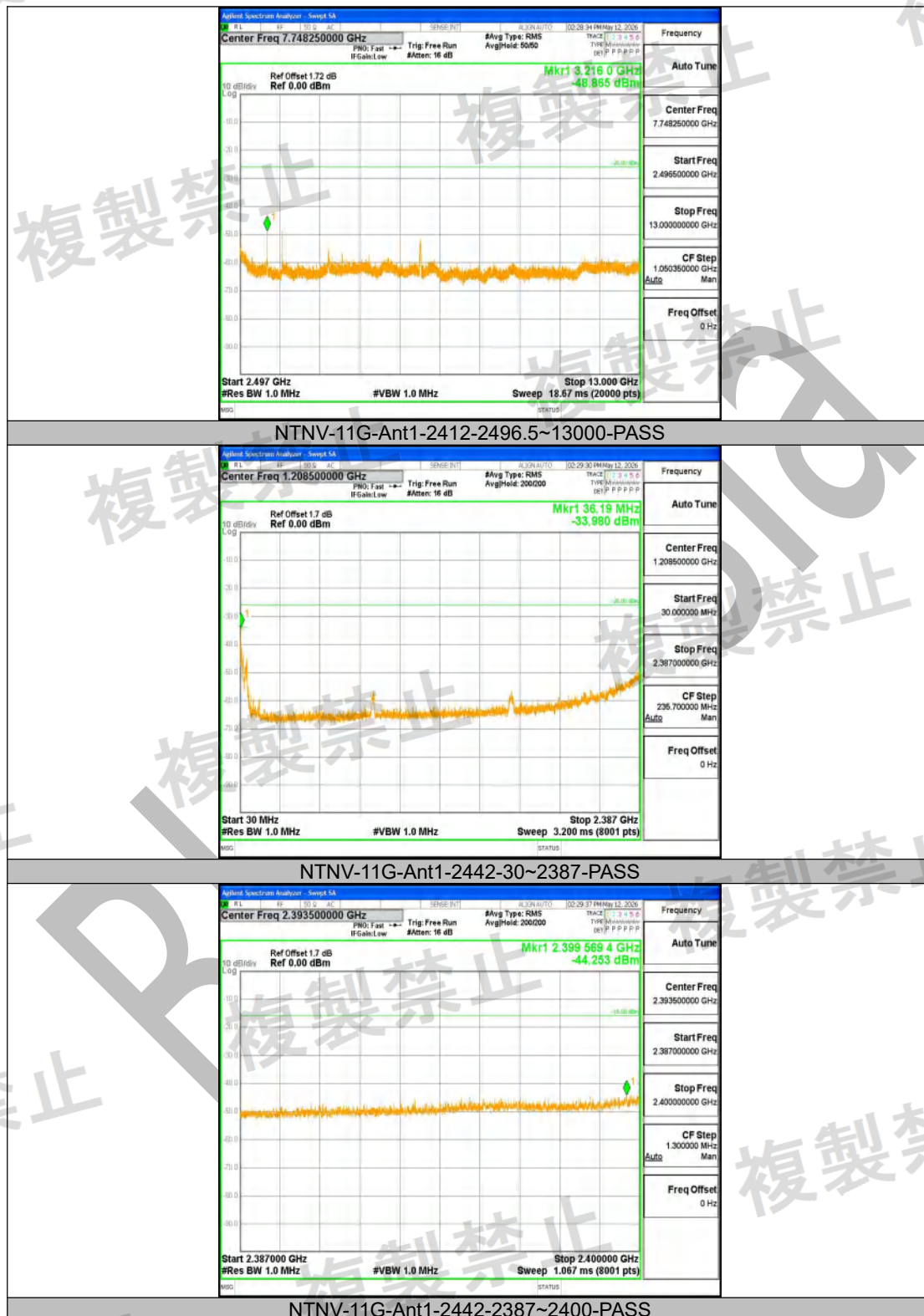


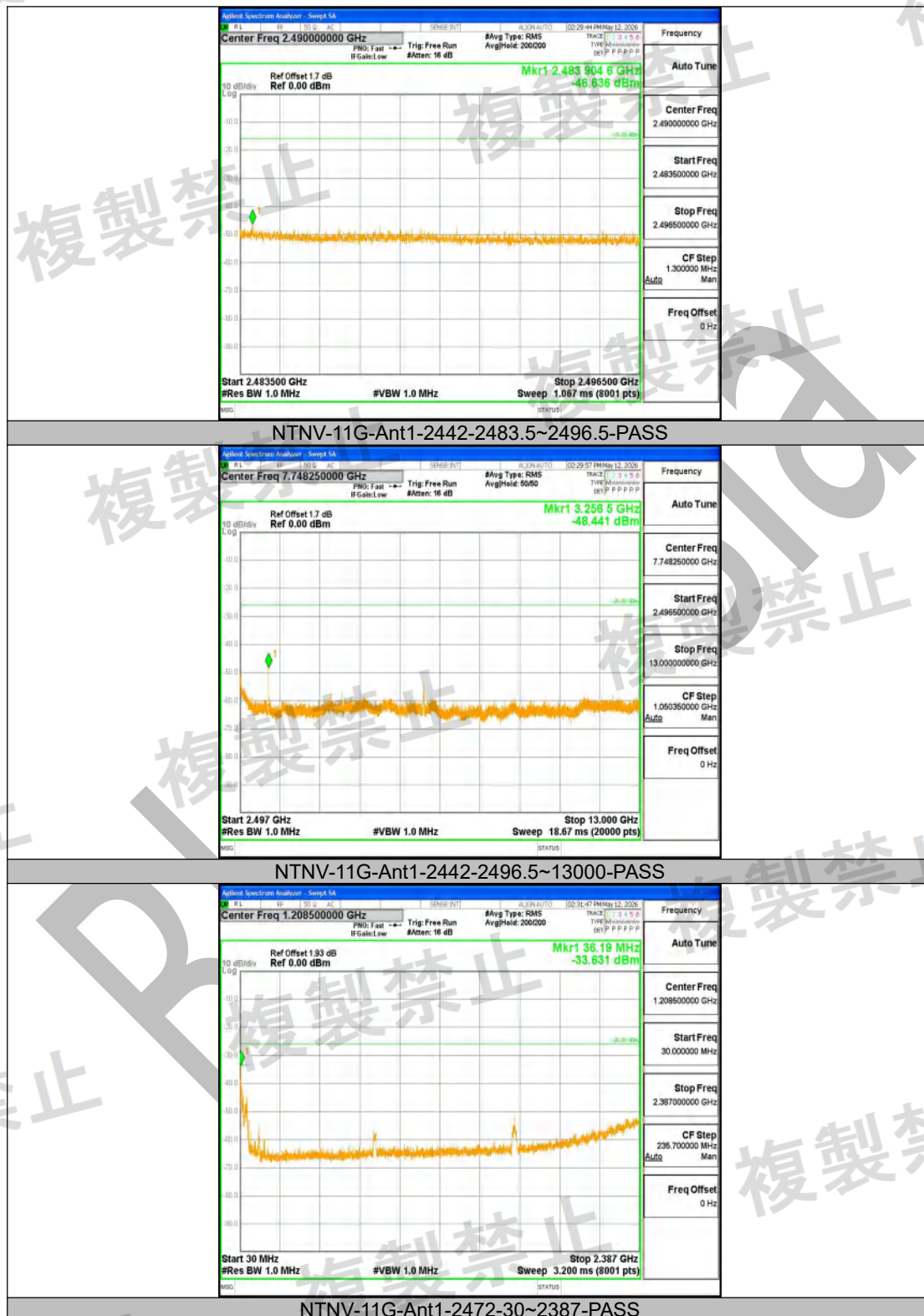




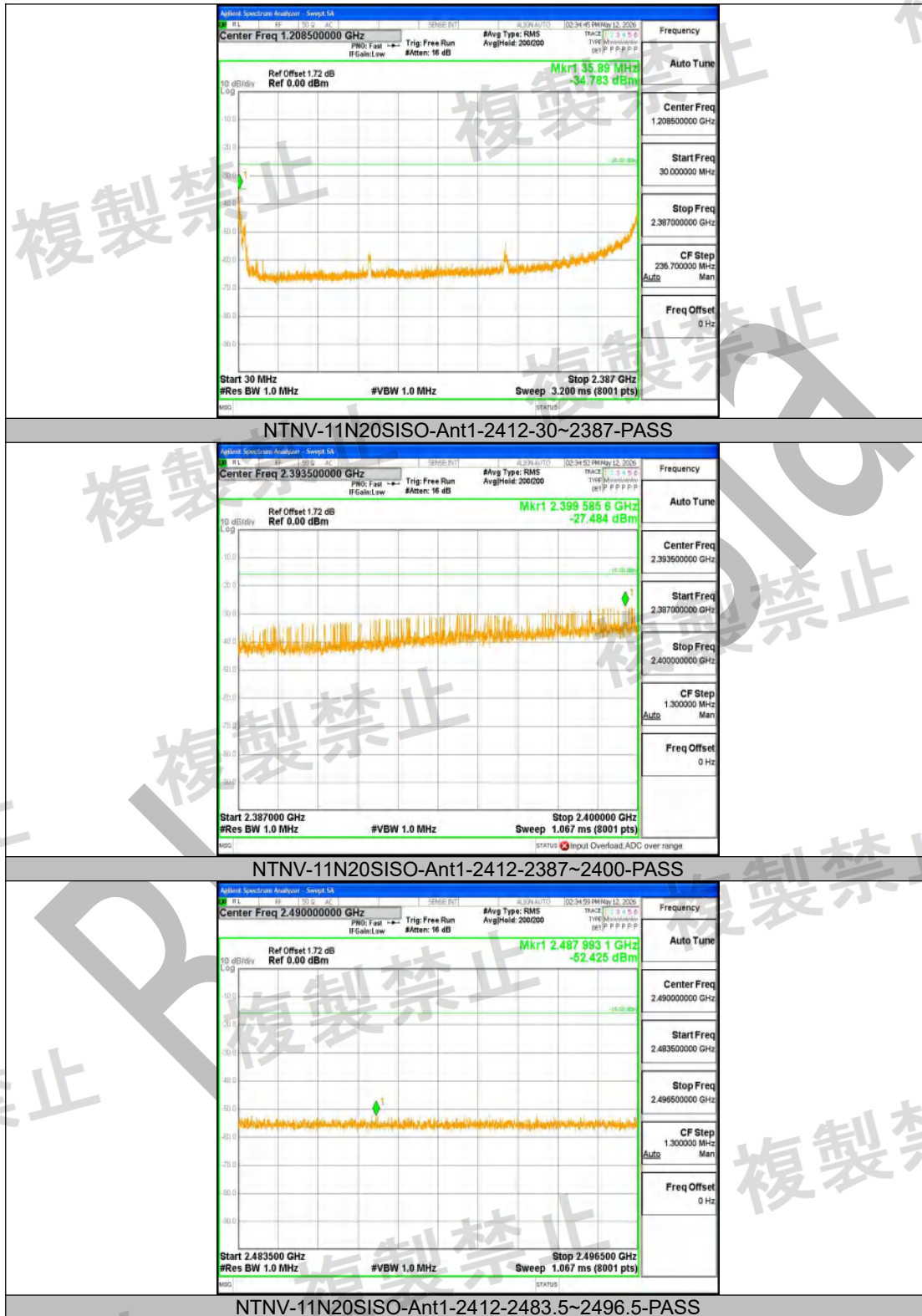


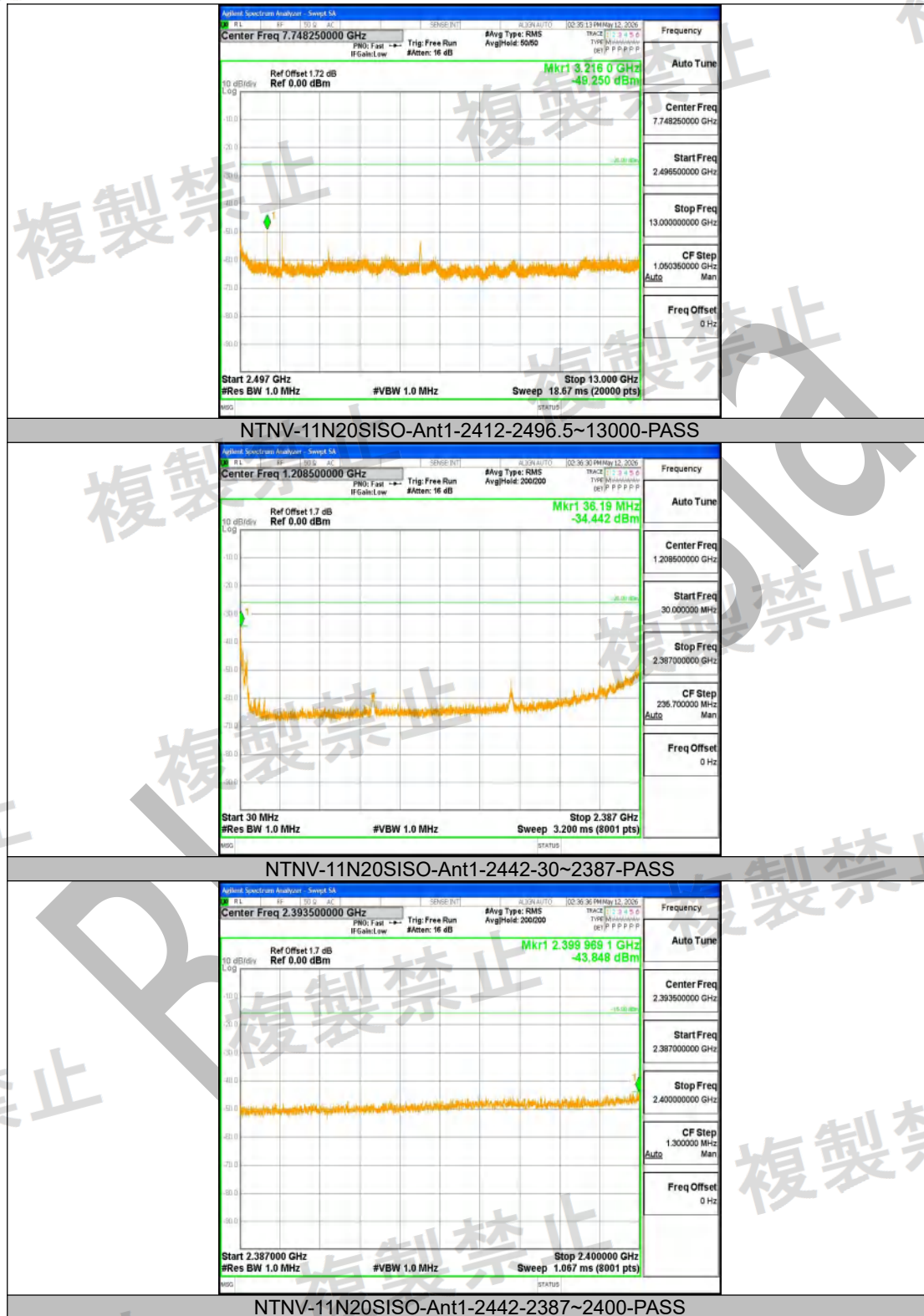


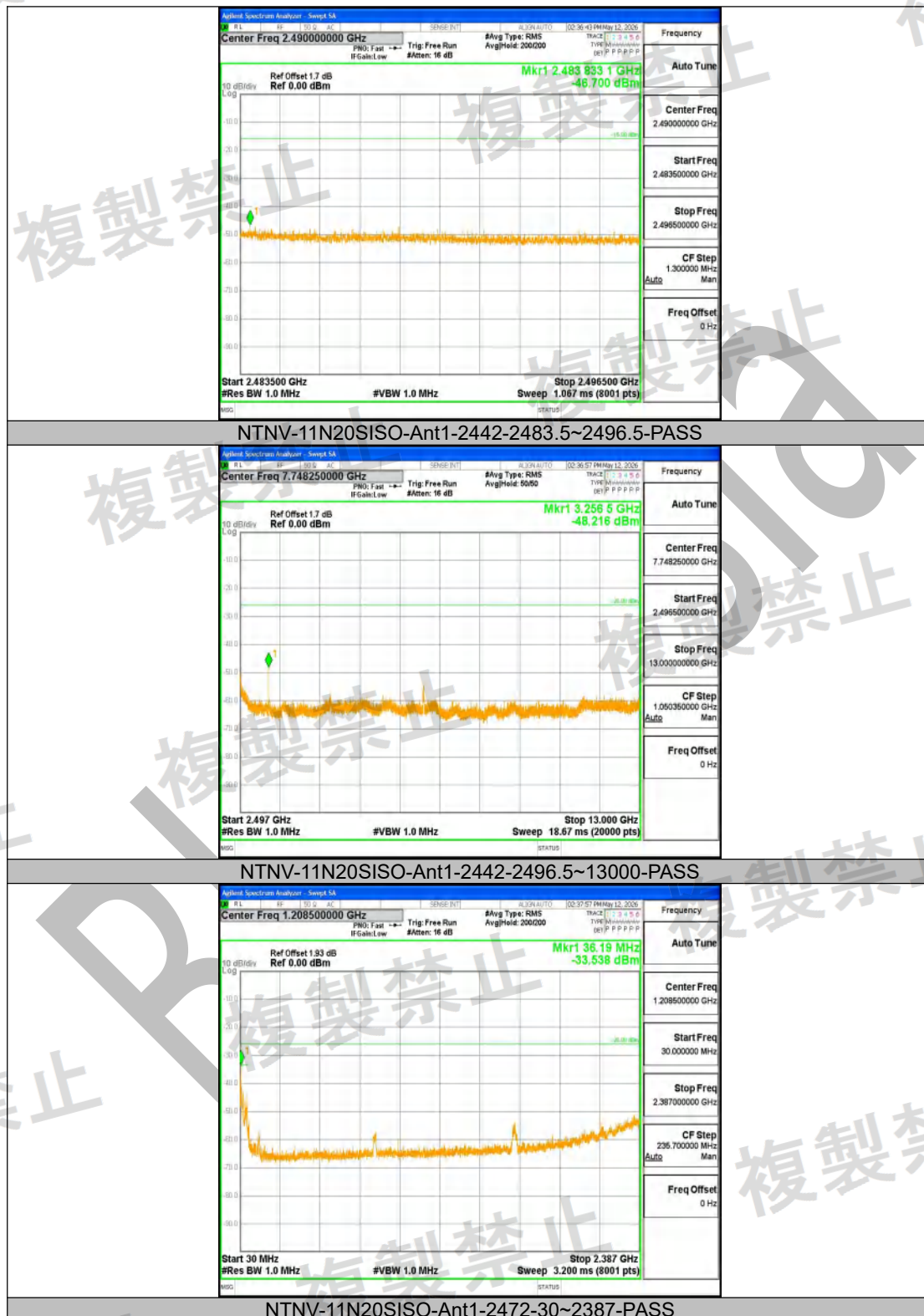


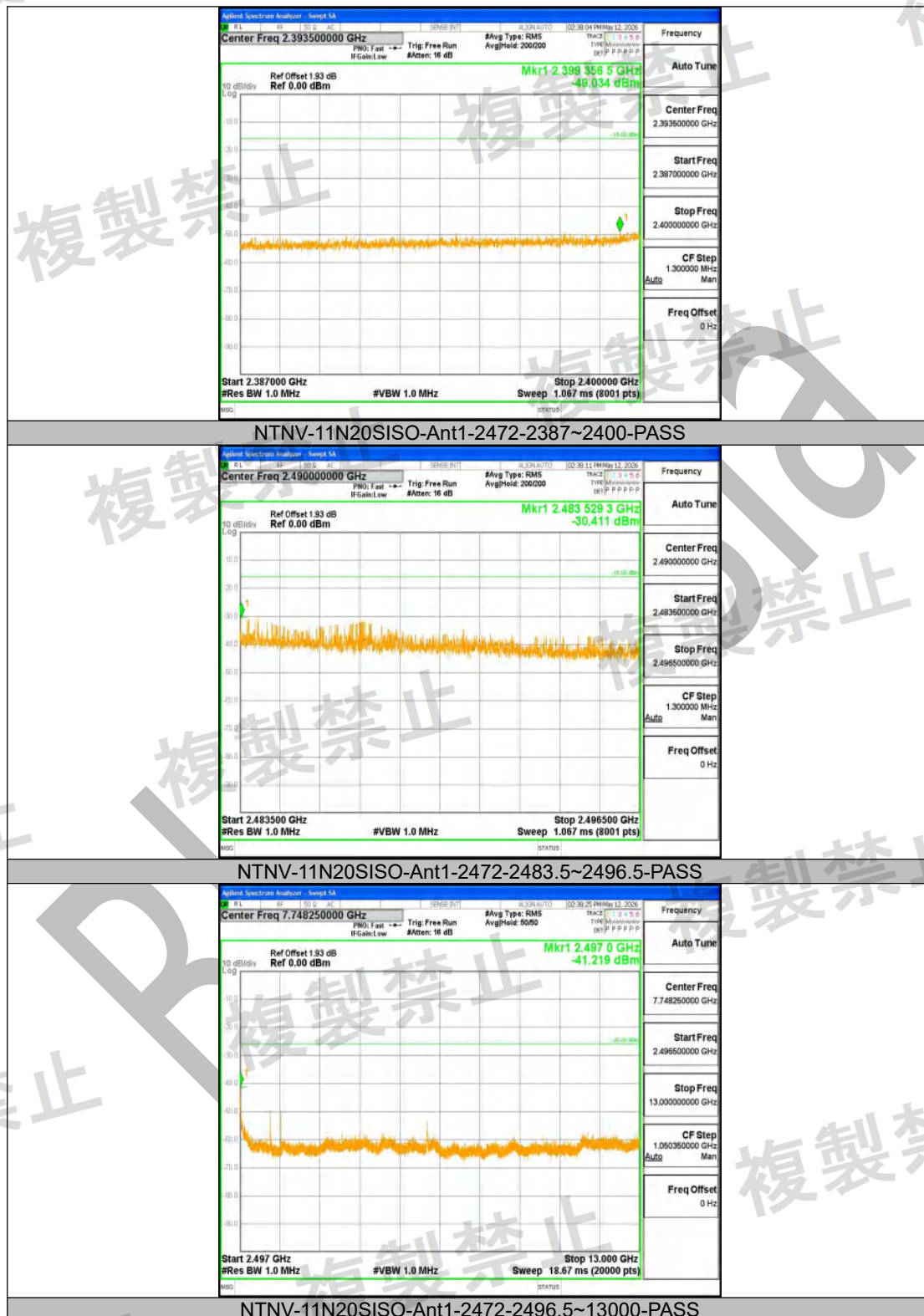


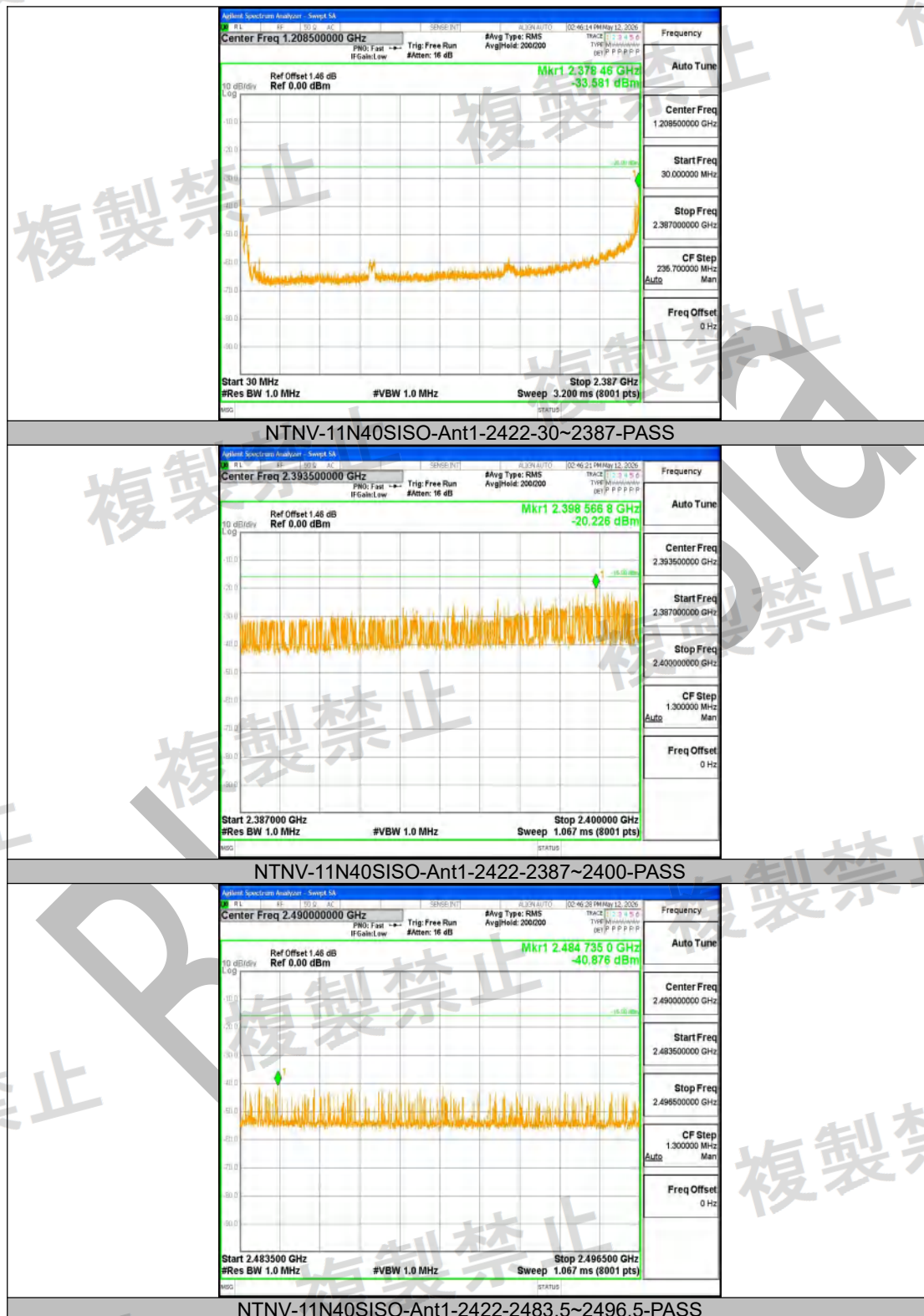


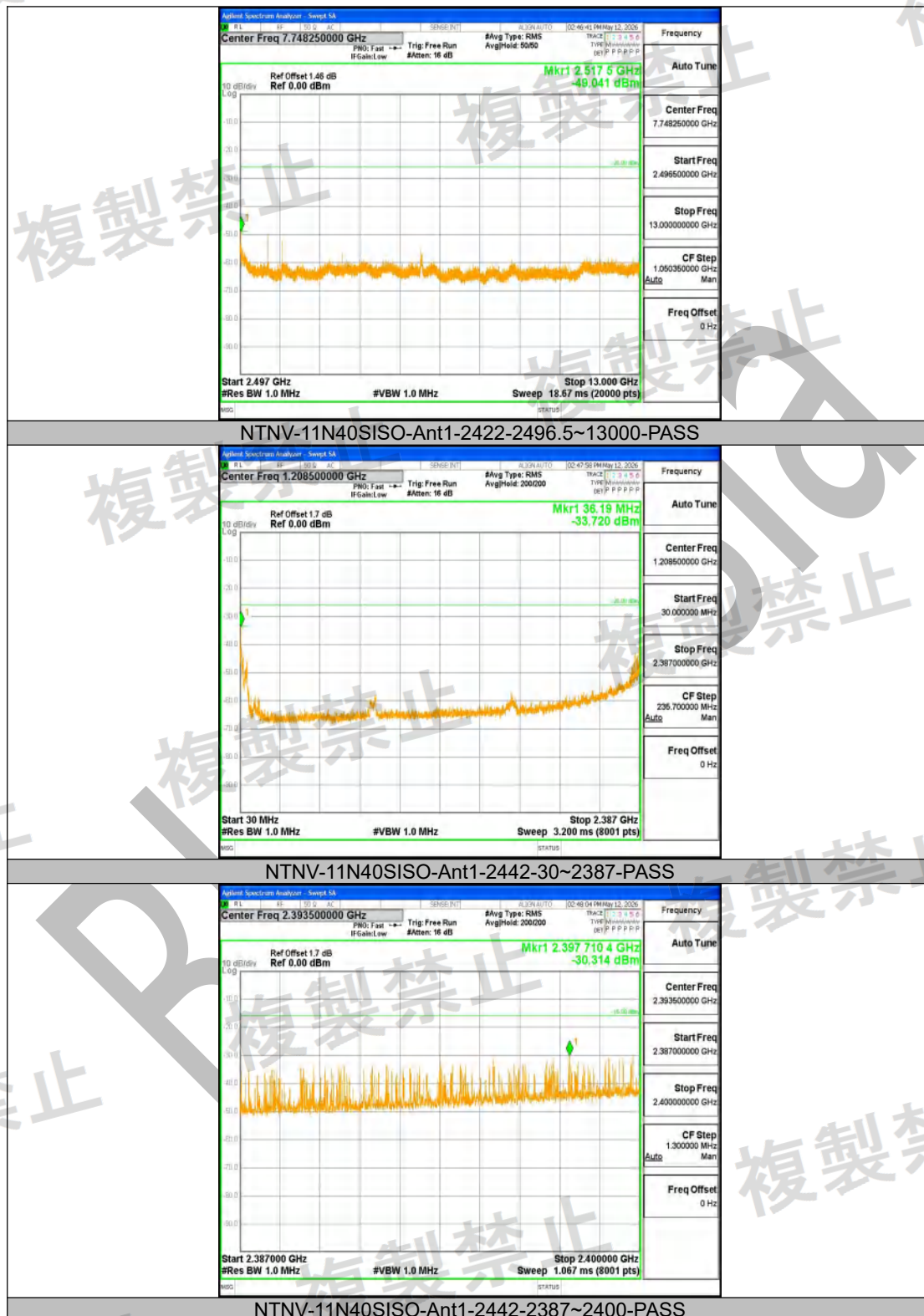


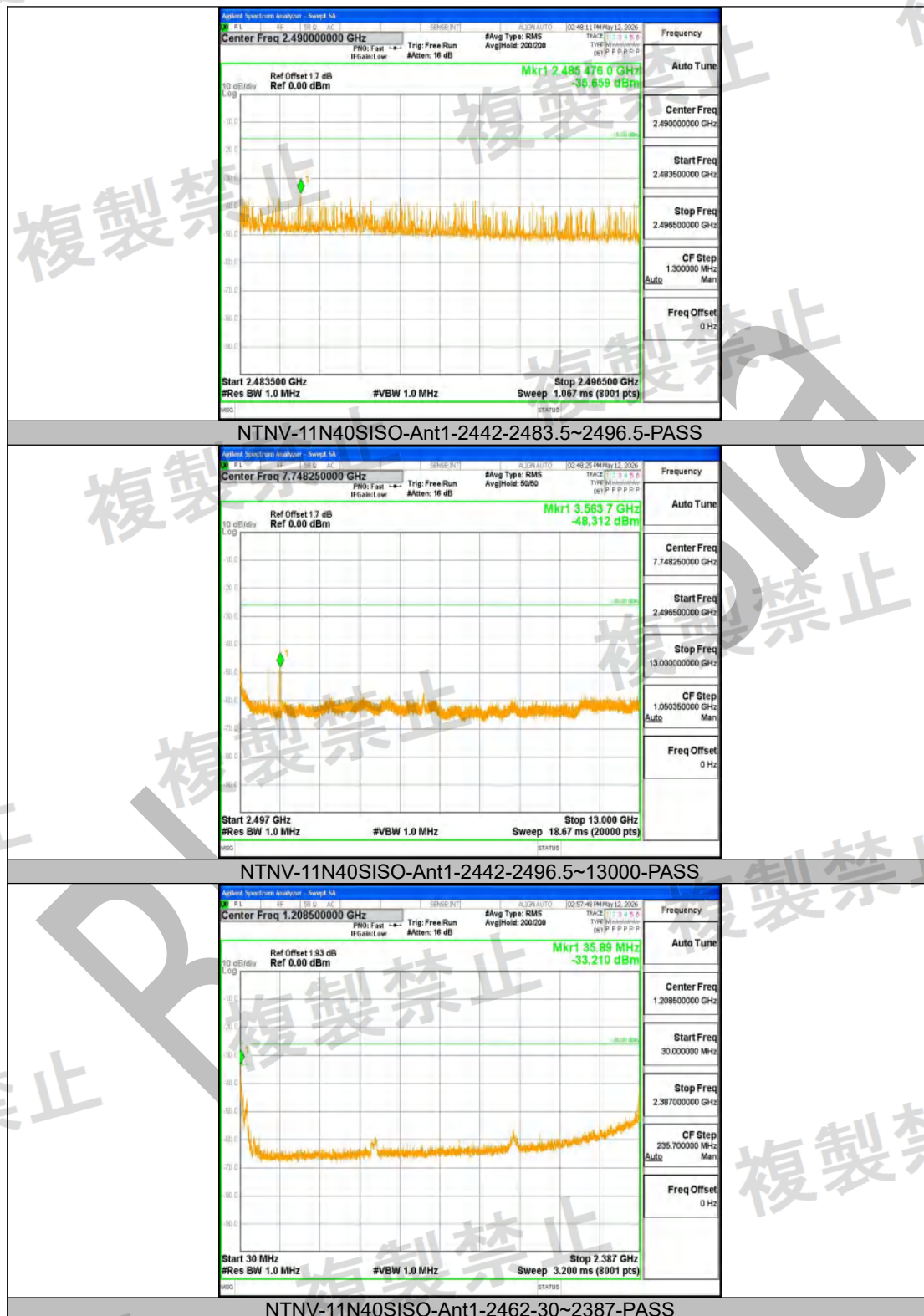


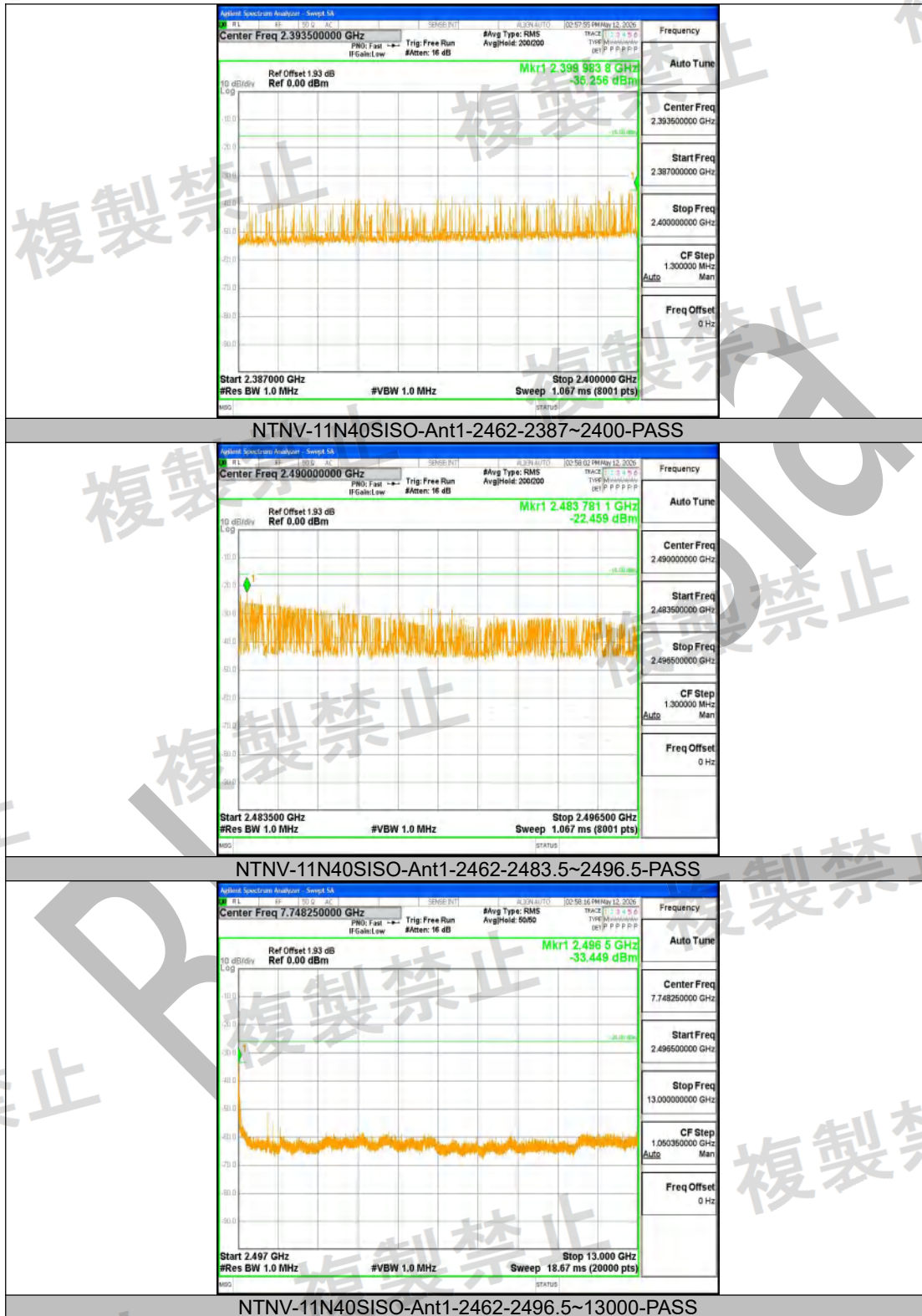


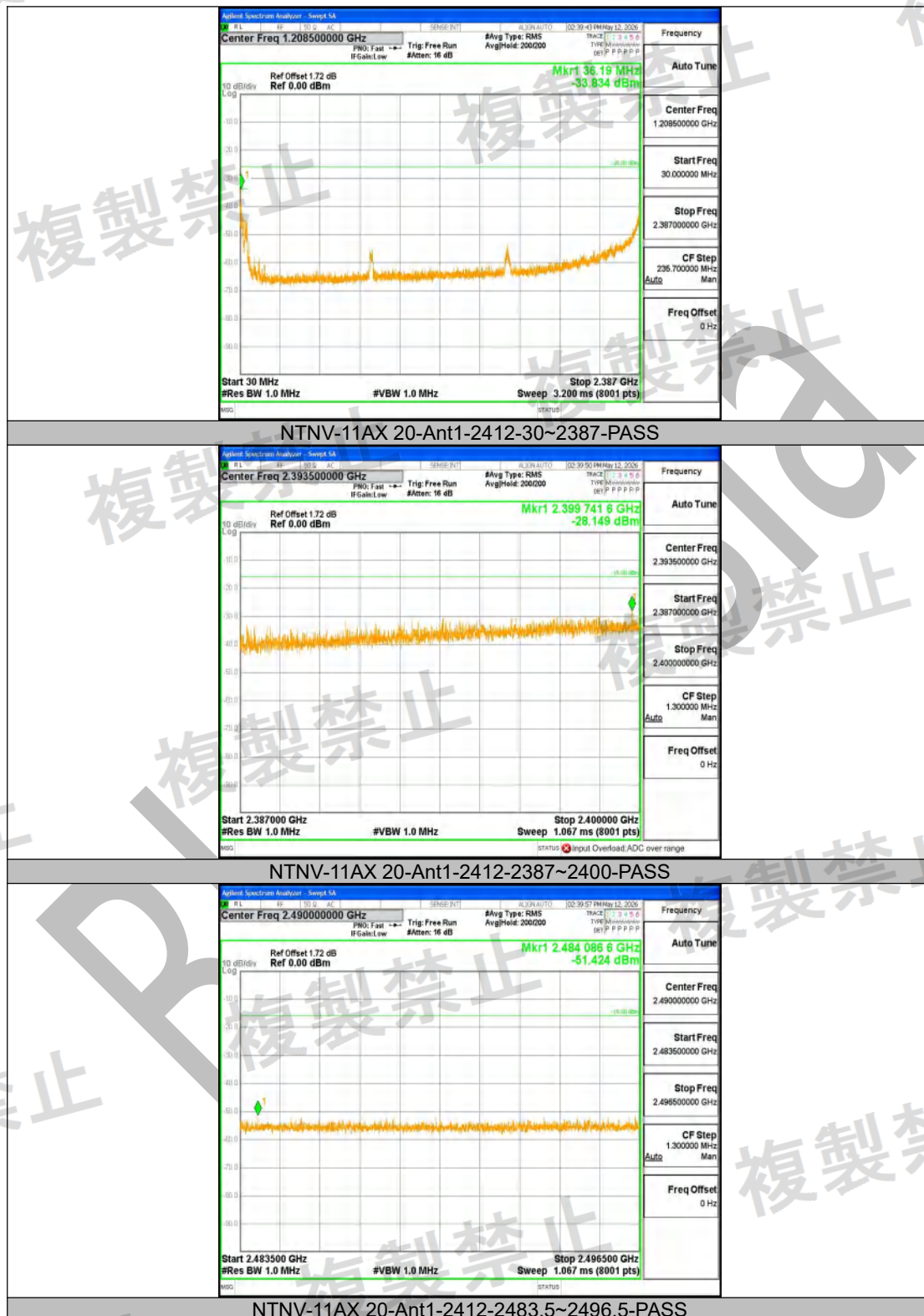


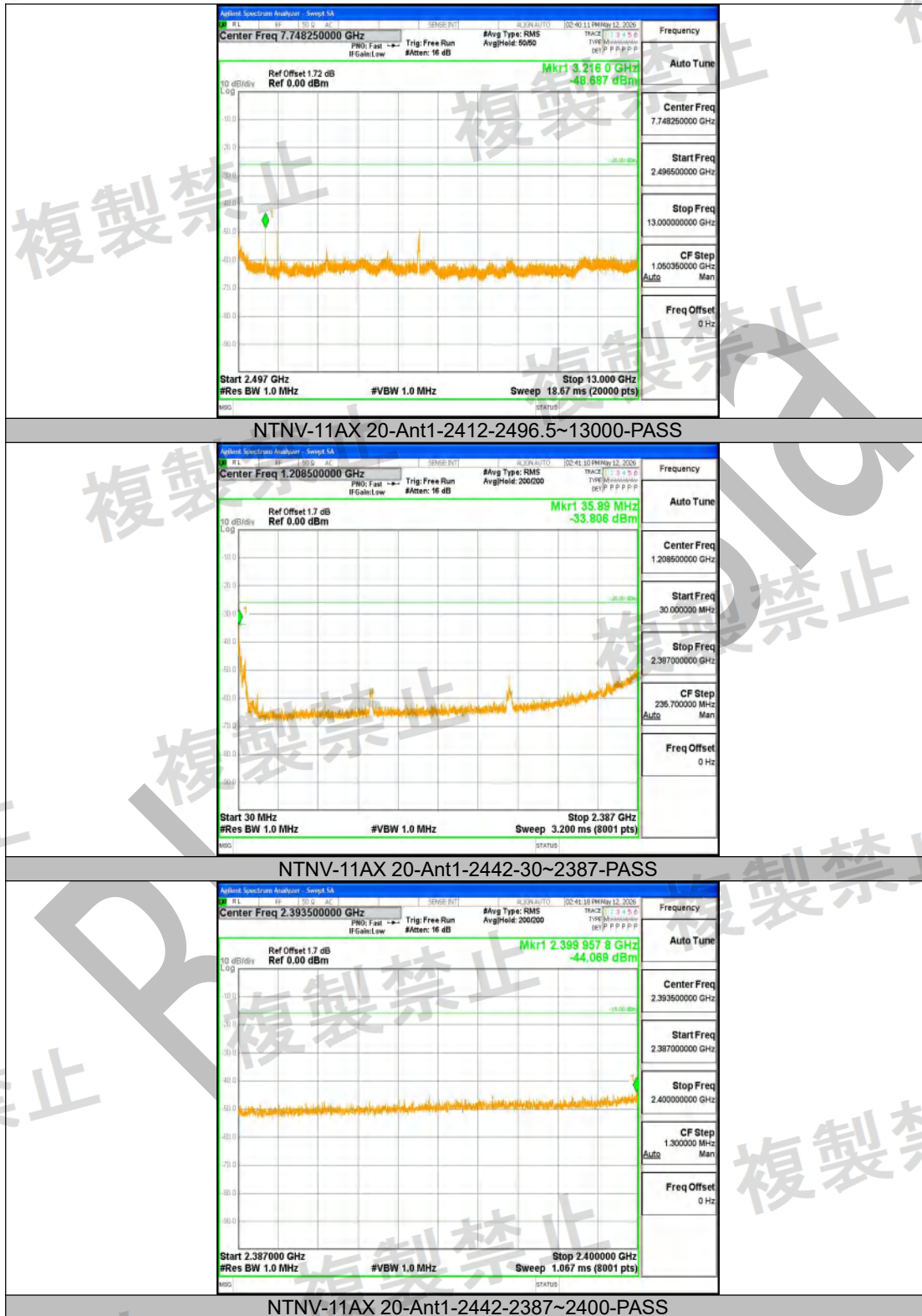


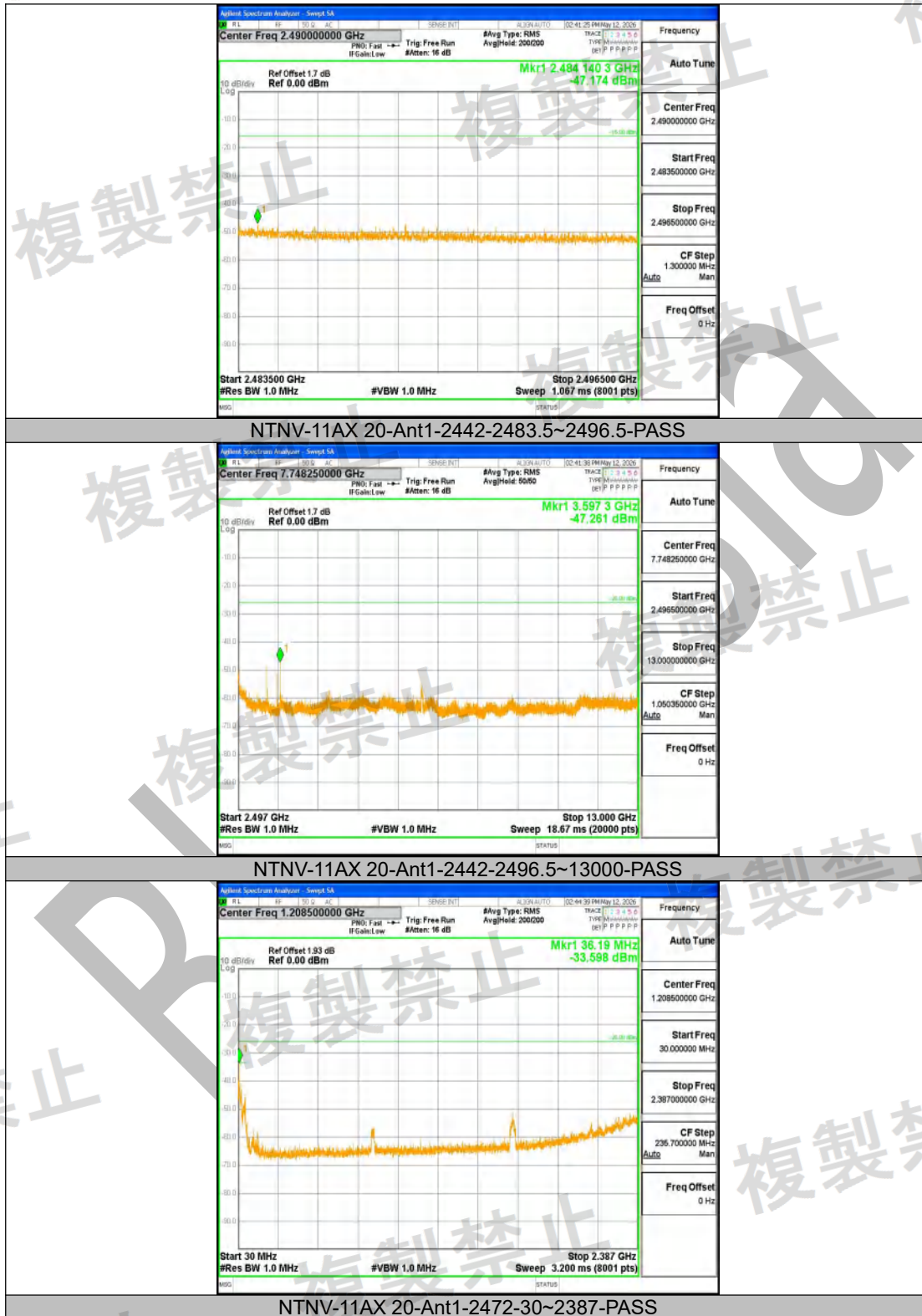


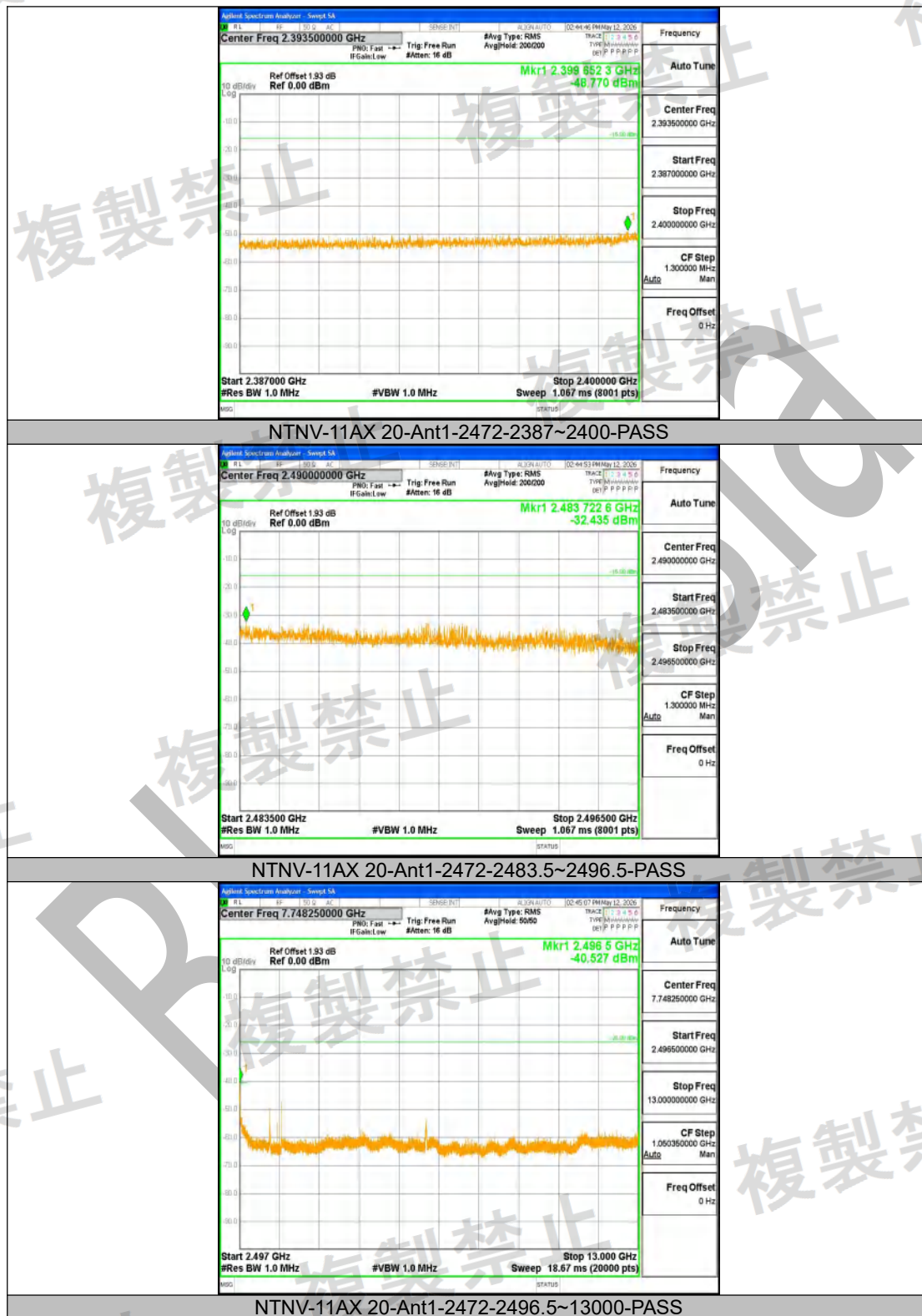












Test result: The unit does meet the requirements.

BlueAsia Technical Services (Shenzhen) Co., Ltd

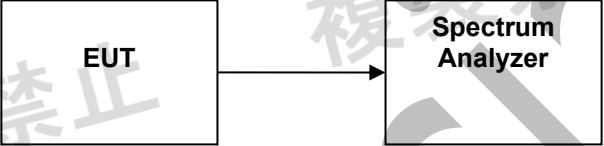
Tel: +86-755-23059481

Email: marketing@cblueasia.com www.cblueasia.com

Version:v1.2

9 Receiver Requirements

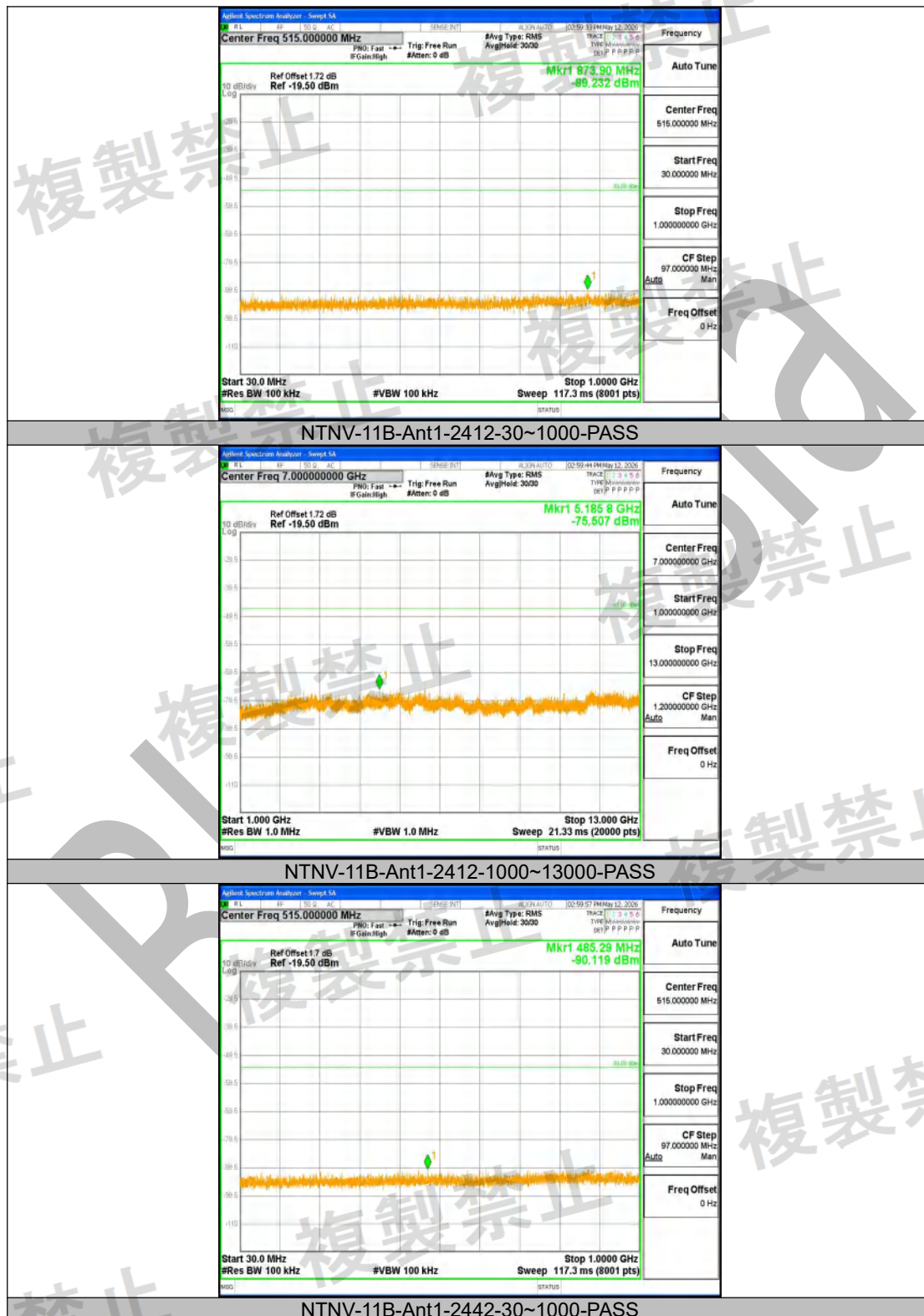
9.1 Spurious Emissions of Rx

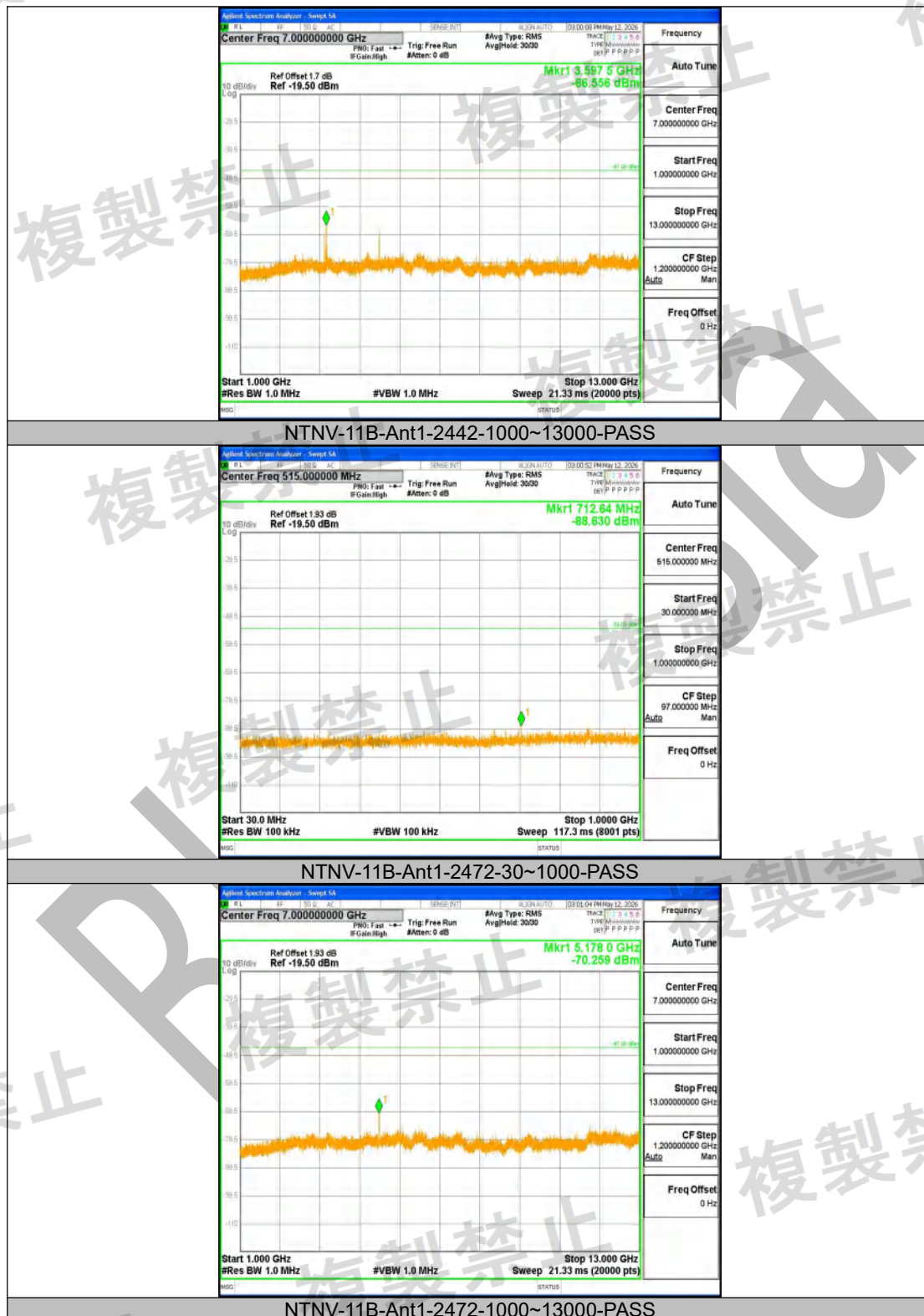
Test Requirement:	Item 19 of Article 2-1 (1) Below 1 GHz : 4 nW (-54dBm) (2) 1 GHz and over : 20 nW (-47dBm)
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	- Test Conditions: Spectrum Analyzer is used for measurement. - EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. - Spectrum Analyzer conditions: Step1 All spurious are measured from 30MHz to 13 GHz by peak mode. Step2 If the value measured by Step1 is exceed the limit of 1/10, measure in average mode. Test setup for Step 1: Frequency: 30MHz – 1000MHz , 1000MHz –13GHz RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) Sweep Time Auto detector mode Positive peak Indication mode Max hold Test setup for Step 2: Frequency: Spurious Frequency Span 0 Hz RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) Sweep Time Auto detector mode Sample Indication mode Max hold

9.1.1 Test Result

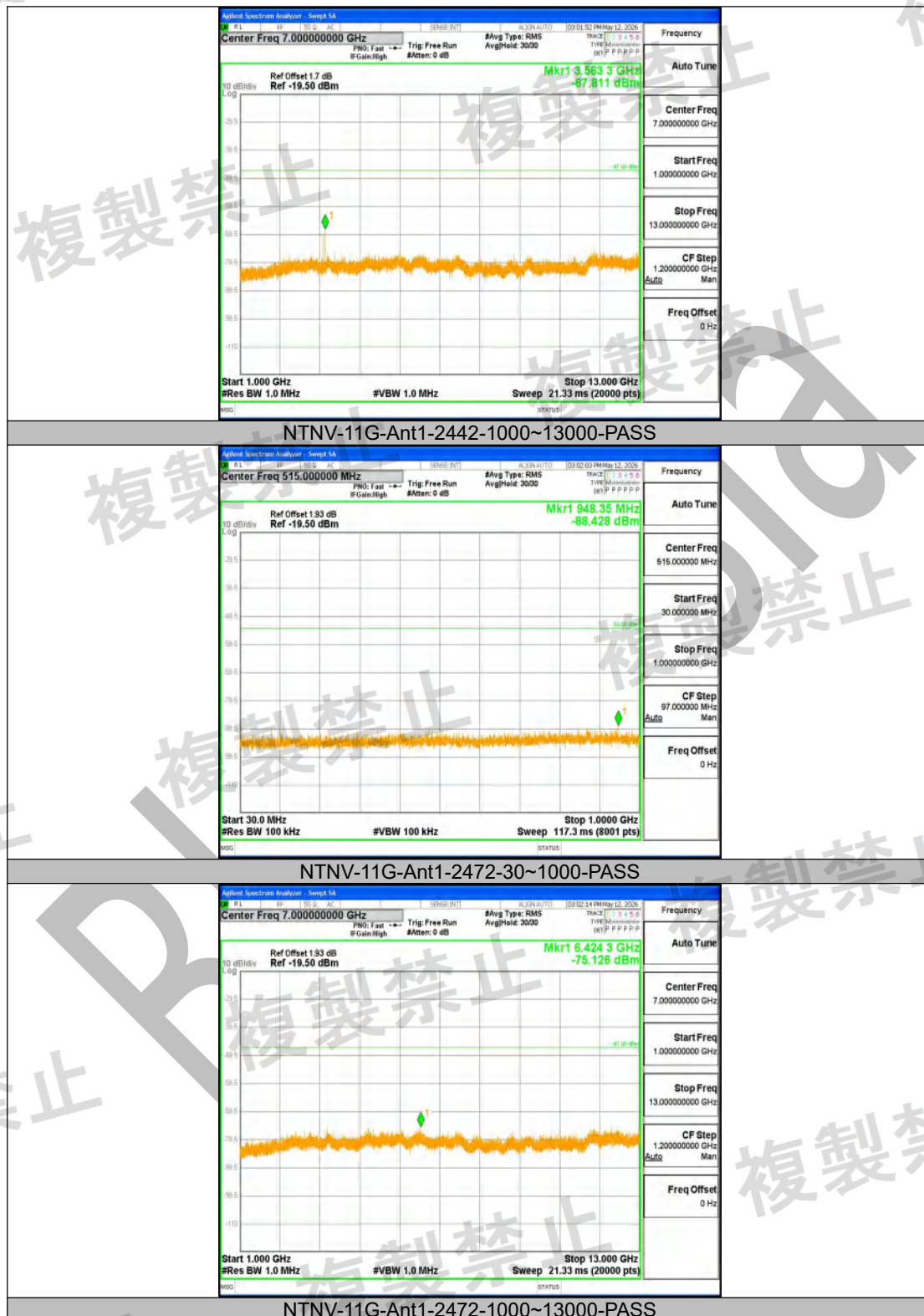
TestCondition	TestMode	Antenna	Channel	Freq.Range [MHz]	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
NTNV	11B	Ant1	2412	30~1000	873.90	-89.23	<=-54	PASS
				1000~13000	5185.81	-75.51	<=-47	PASS
			2442	30~1000	485.29	-90.12	<=-54	PASS
				1000~13000	3597.53	-66.56	<=-47	PASS
			2472	30~1000	712.64	-88.63	<=-54	PASS
				1000~13000	5178.01	-70.26	<=-47	PASS
	11G	Ant1	2412	30~1000	874.14	-88.41	<=-54	PASS
				1000~13000	3564.53	-69.42	<=-47	PASS
			2442	30~1000	725.73	-89.45	<=-54	PASS
				1000~13000	3563.33	-67.81	<=-47	PASS
			2472	30~1000	948.35	-88.43	<=-54	PASS
				1000~13000	6424.27	-75.13	<=-47	PASS
	11N20SISO	Ant1	2412	30~1000	948.11	-87.57	<=-54	PASS
				1000~13000	3517.73	-56.27	<=-47	PASS
			2442	30~1000	948.11	-87.69	<=-54	PASS
				1000~13000	3584.33	-66.03	<=-47	PASS
			2472	30~1000	948.23	-89.65	<=-54	PASS
				1000~13000	12885.99	-75.24	<=-47	PASS
	11N40SISO	Ant1	2422	30~1000	784.78	-89.64	<=-54	PASS
				1000~13000	3580.13	-68.77	<=-47	PASS
			2442	30~1000	948.11	-87.84	<=-54	PASS
				1000~13000	2410.07	-64.91	<=-47	PASS
			2462	30~1000	750.10	-89.22	<=-54	PASS
				1000~13000	4759.19	-74.72	<=-47	PASS
	11AX20SISO	Ant1	2412	30~1000	948.95	-89.71	<=-54	PASS
				1000~13000	5181.61	-69.52	<=-47	PASS
			2442	30~1000	930.65	-89.58	<=-54	PASS
				1000~13000	11639.13	-74.90	<=-47	PASS
			2472	30~1000	796.79	-89.86	<=-54	PASS
				1000~13000	11526.93	-74.81	<=-47	PASS

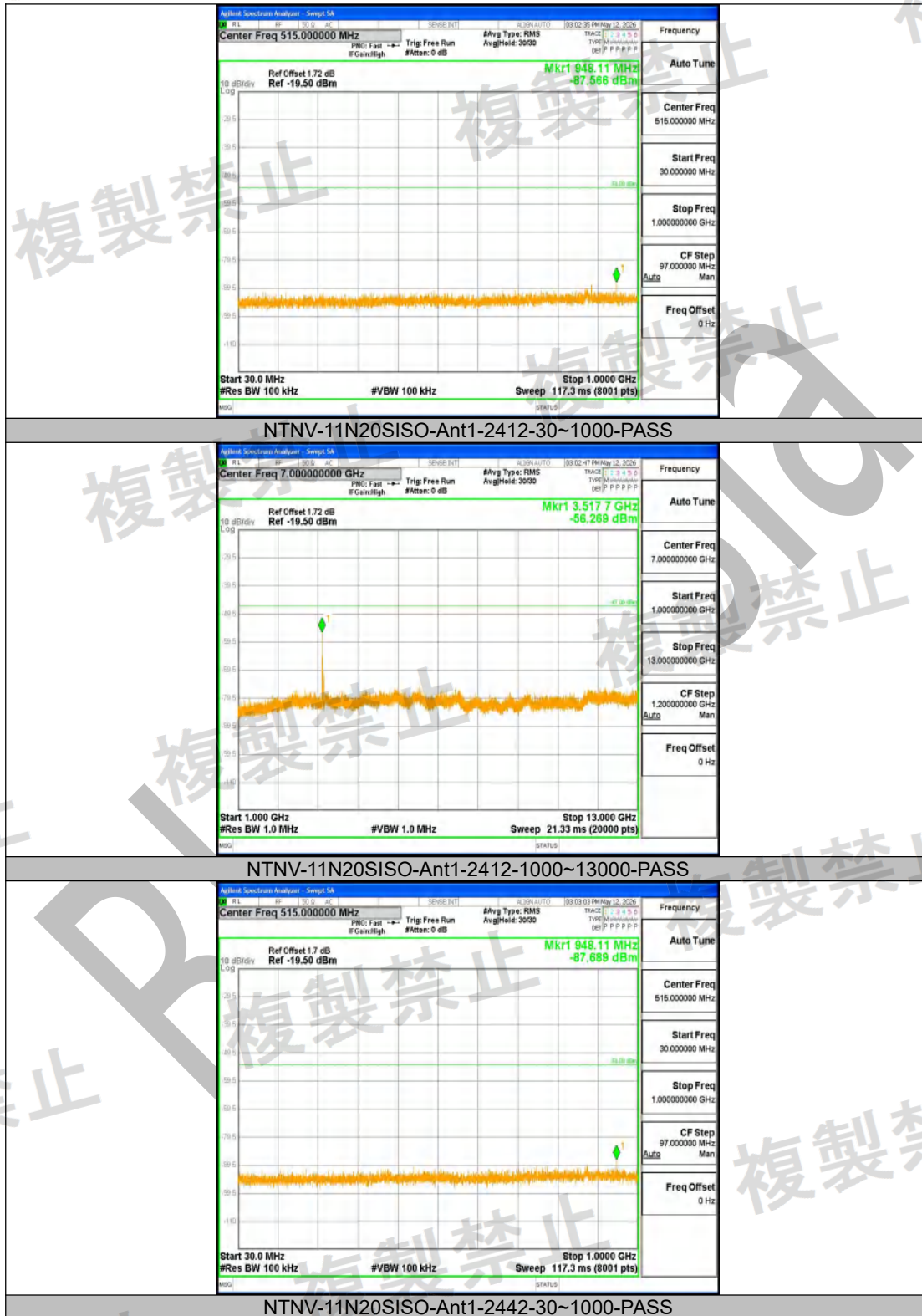
9.1.2 Test Graphs

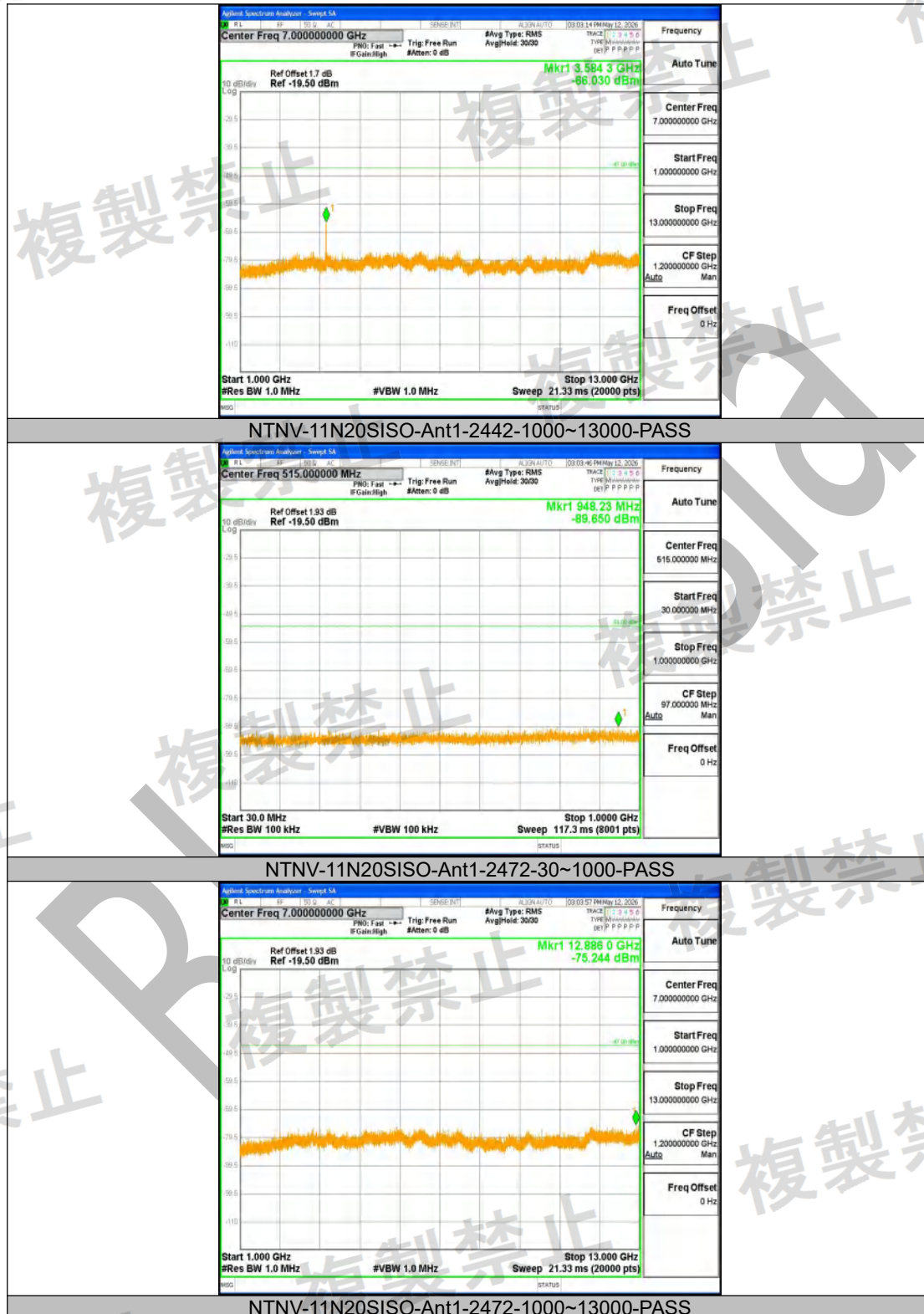


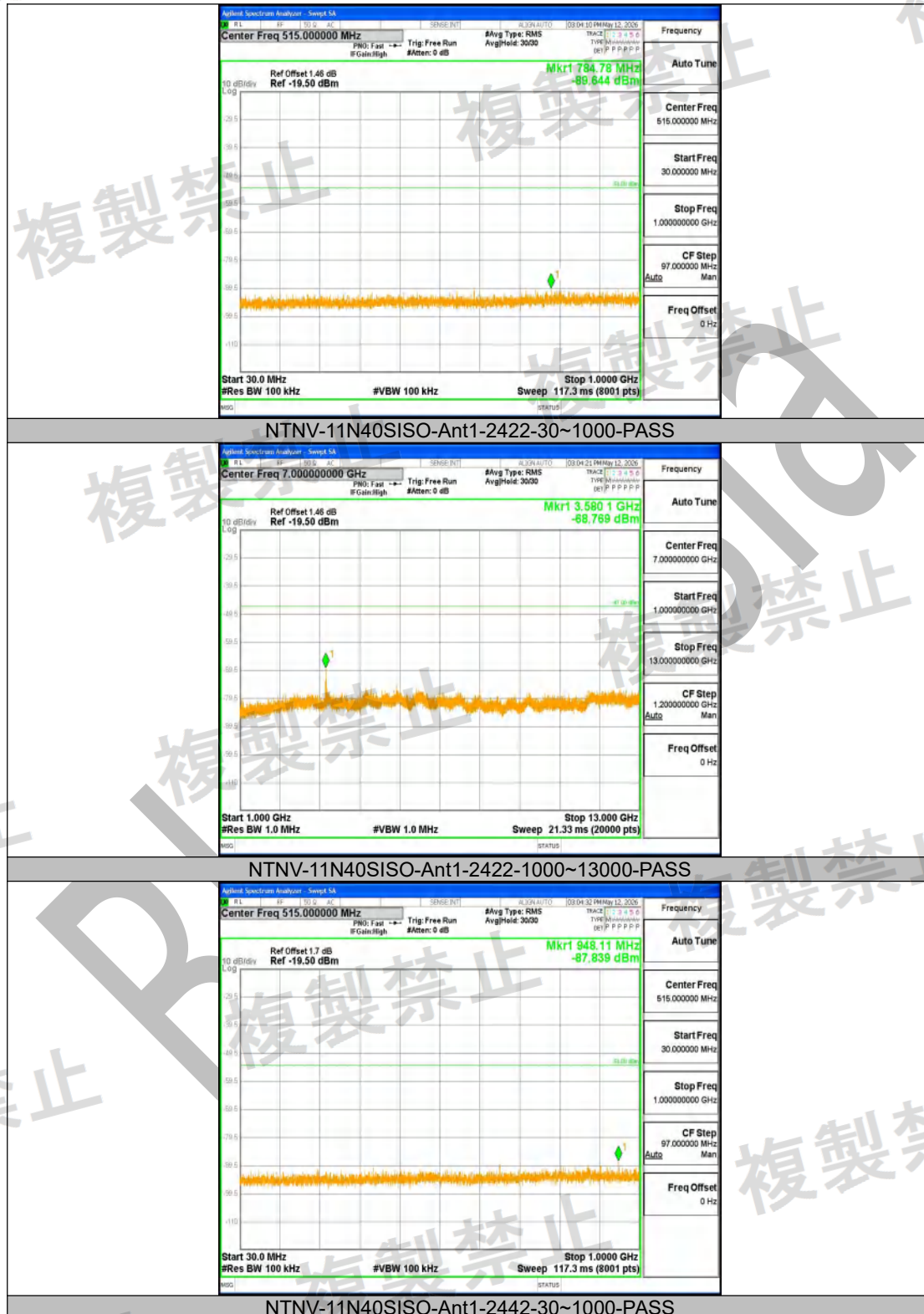


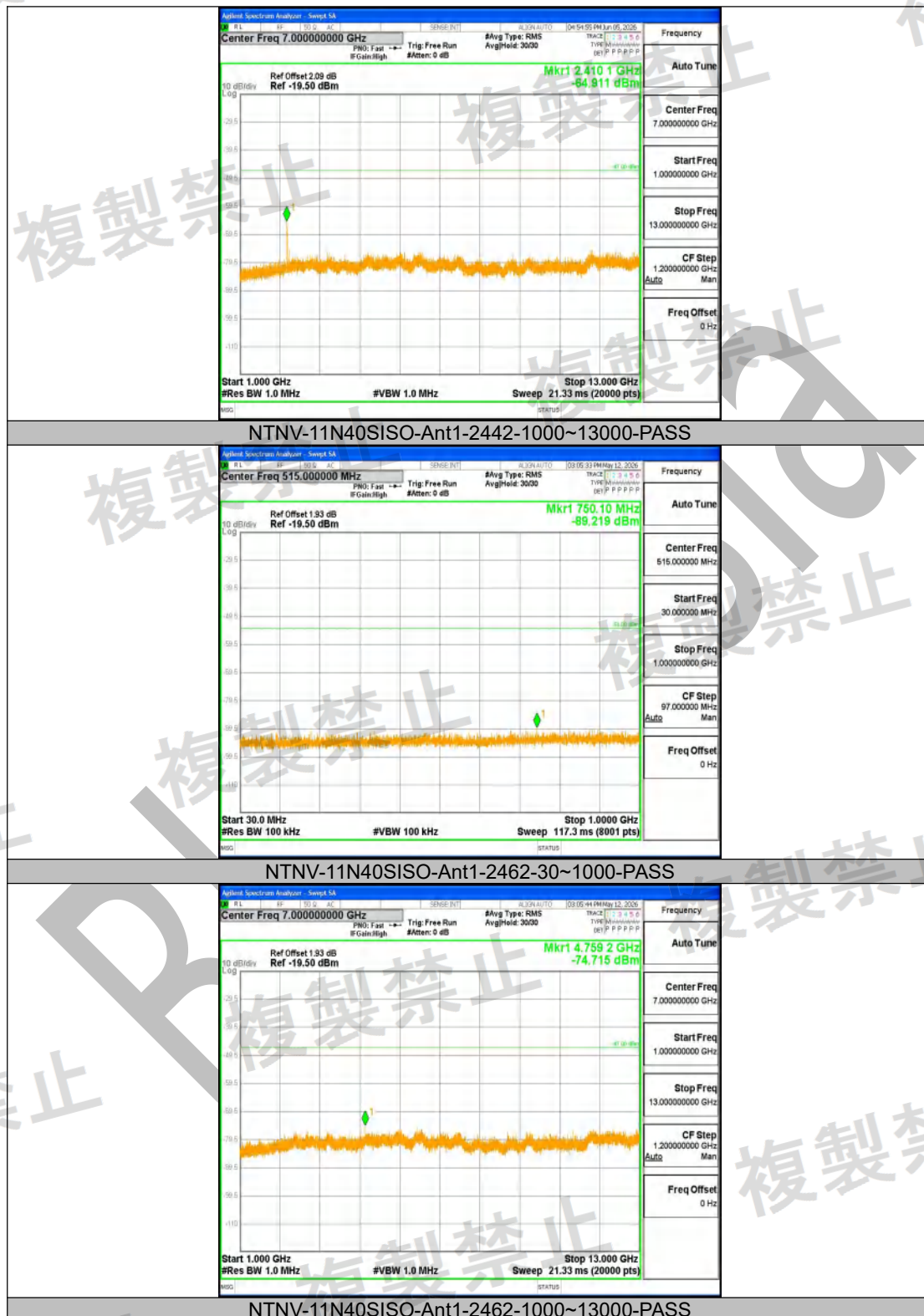


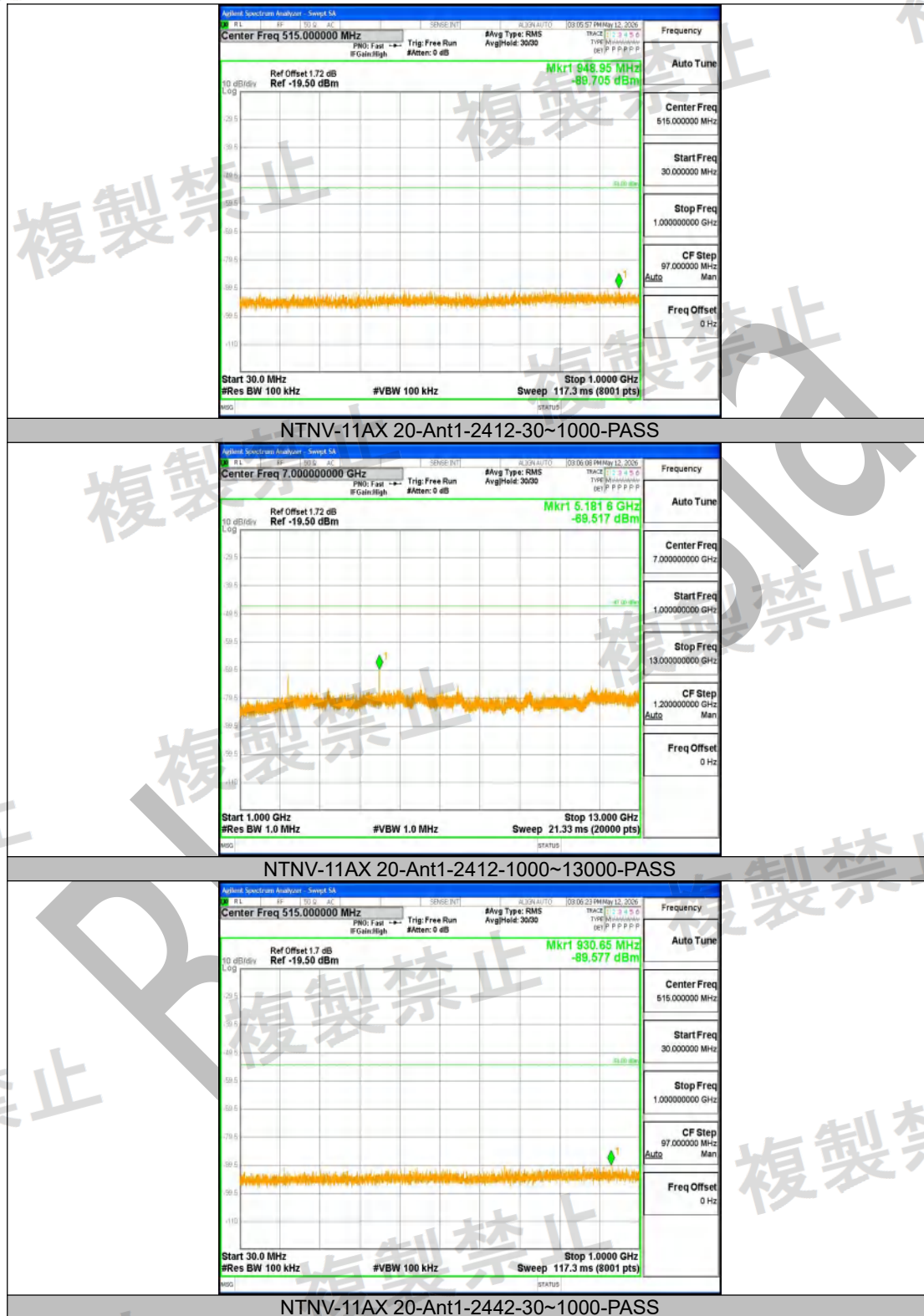


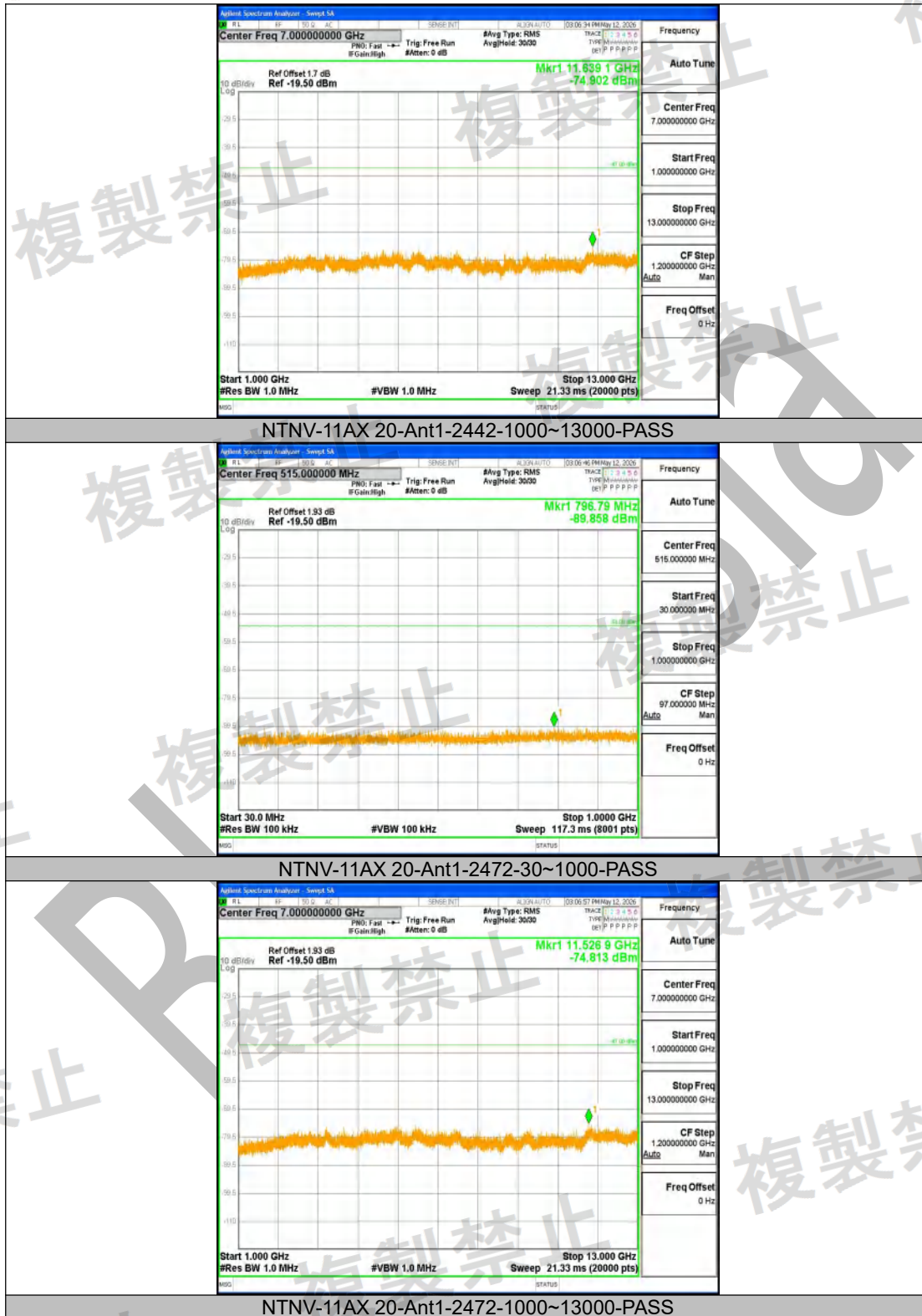












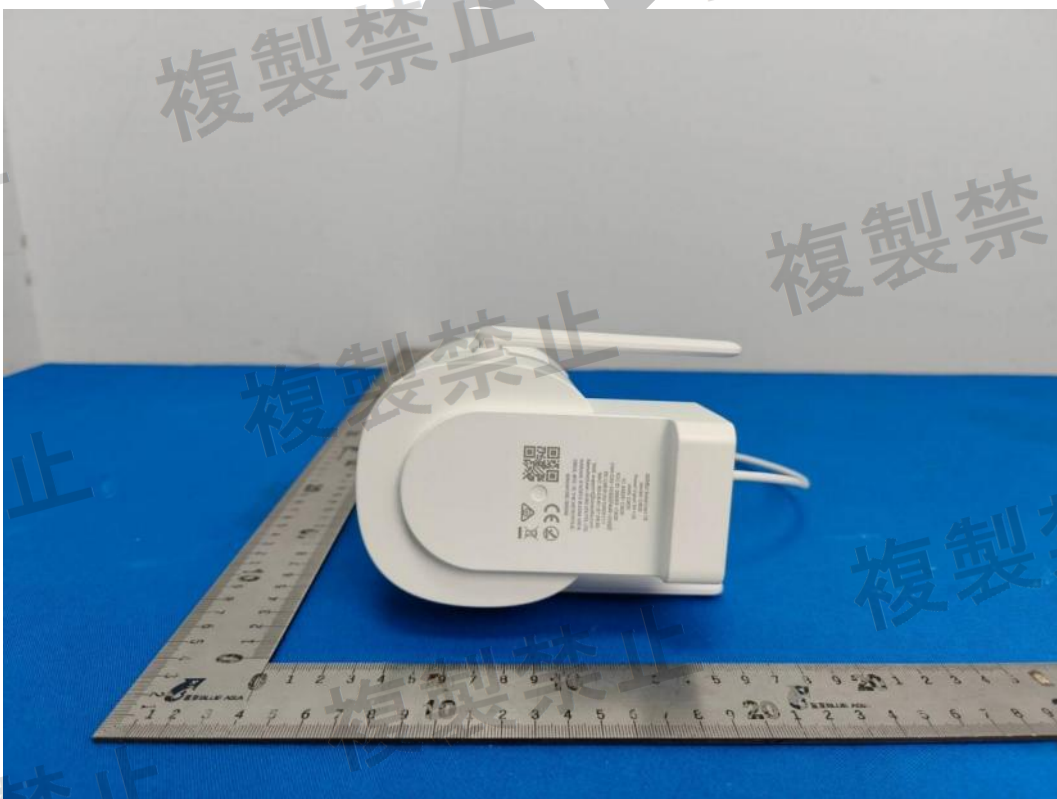
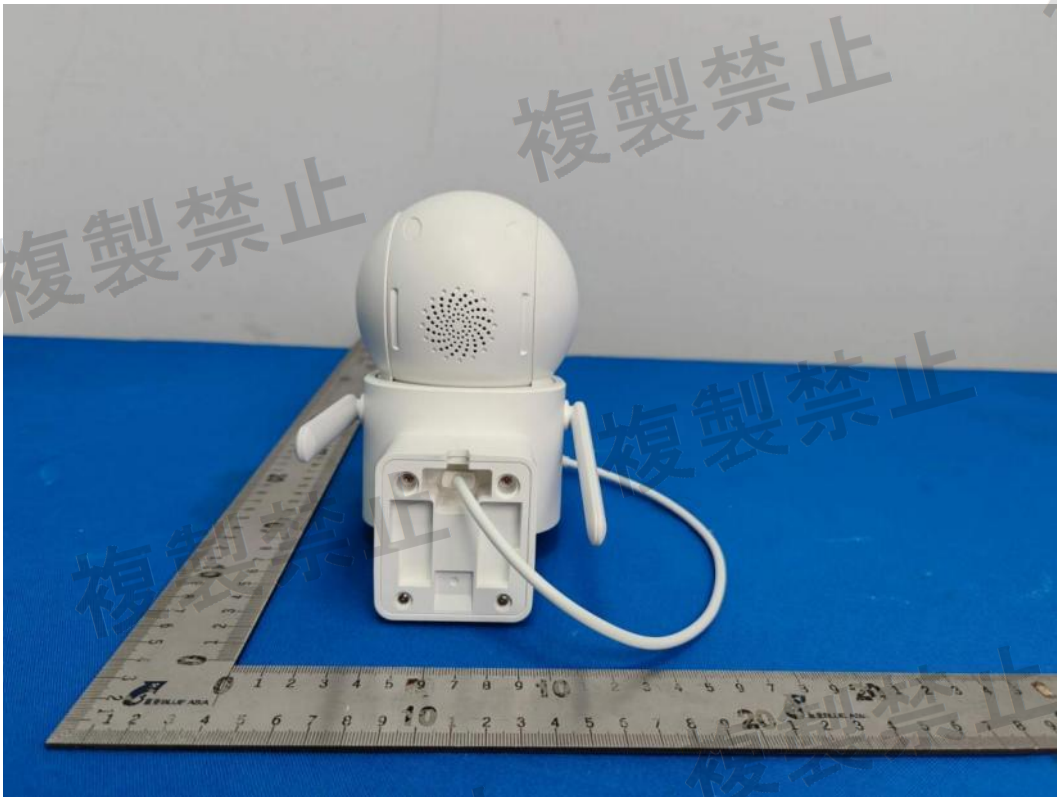
Appendix A: photographs of test setup

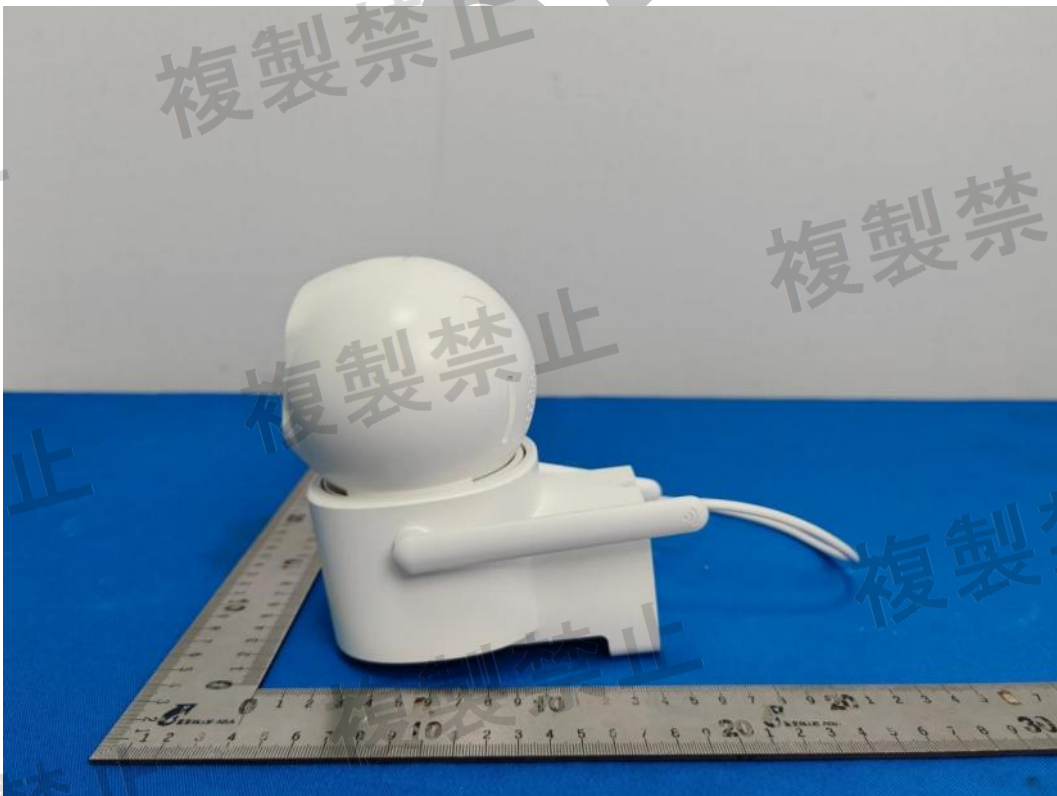
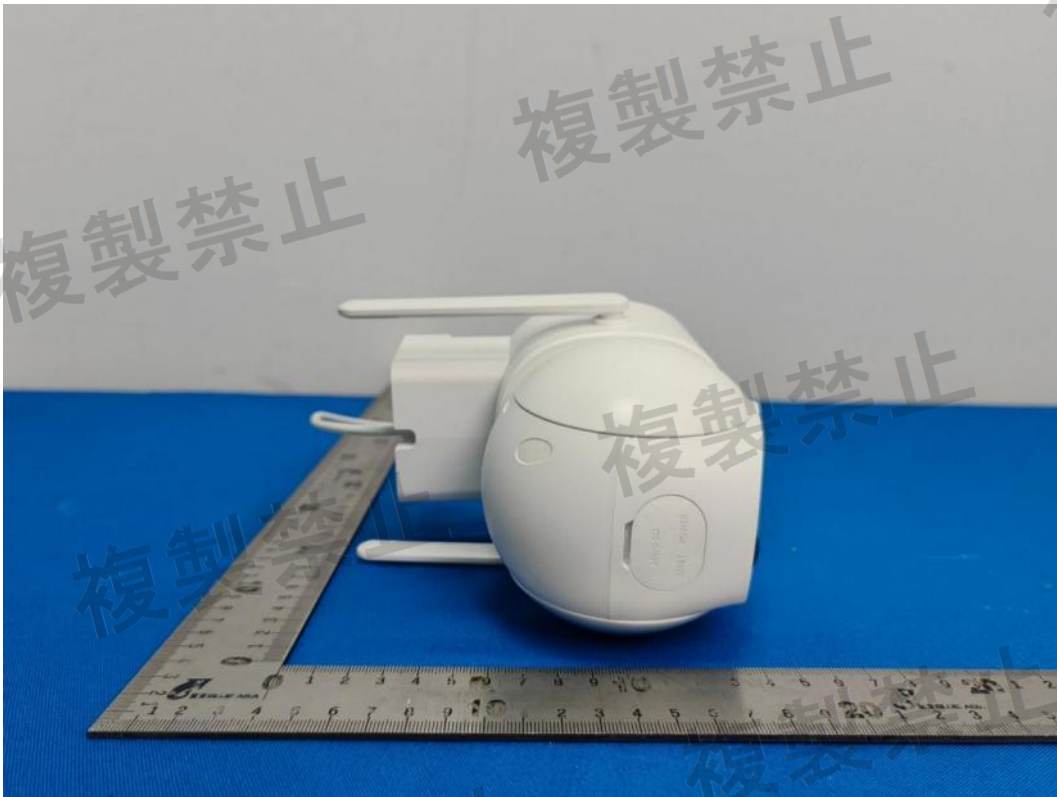
Test photo

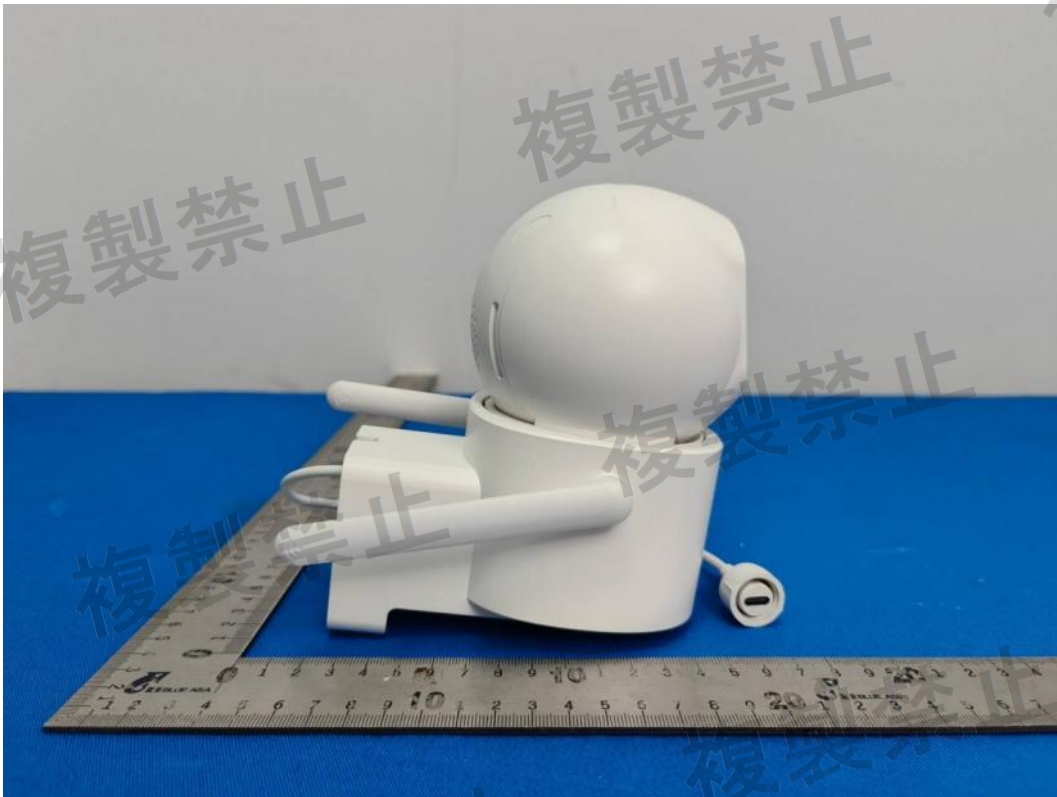


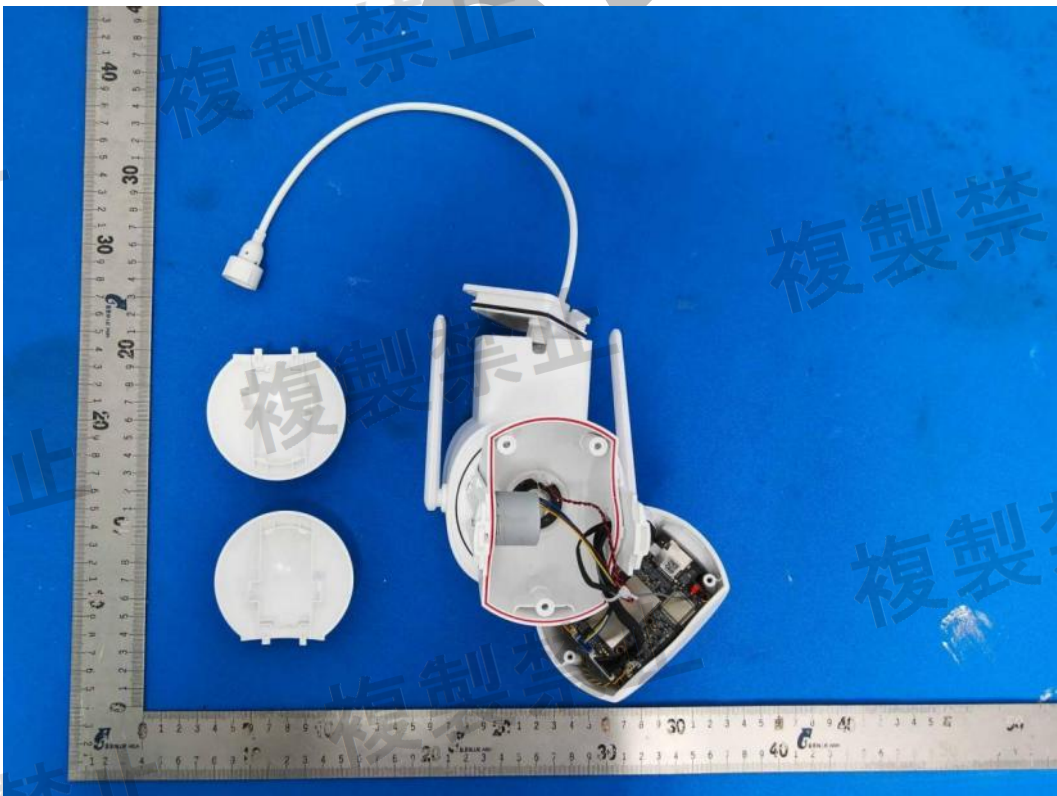
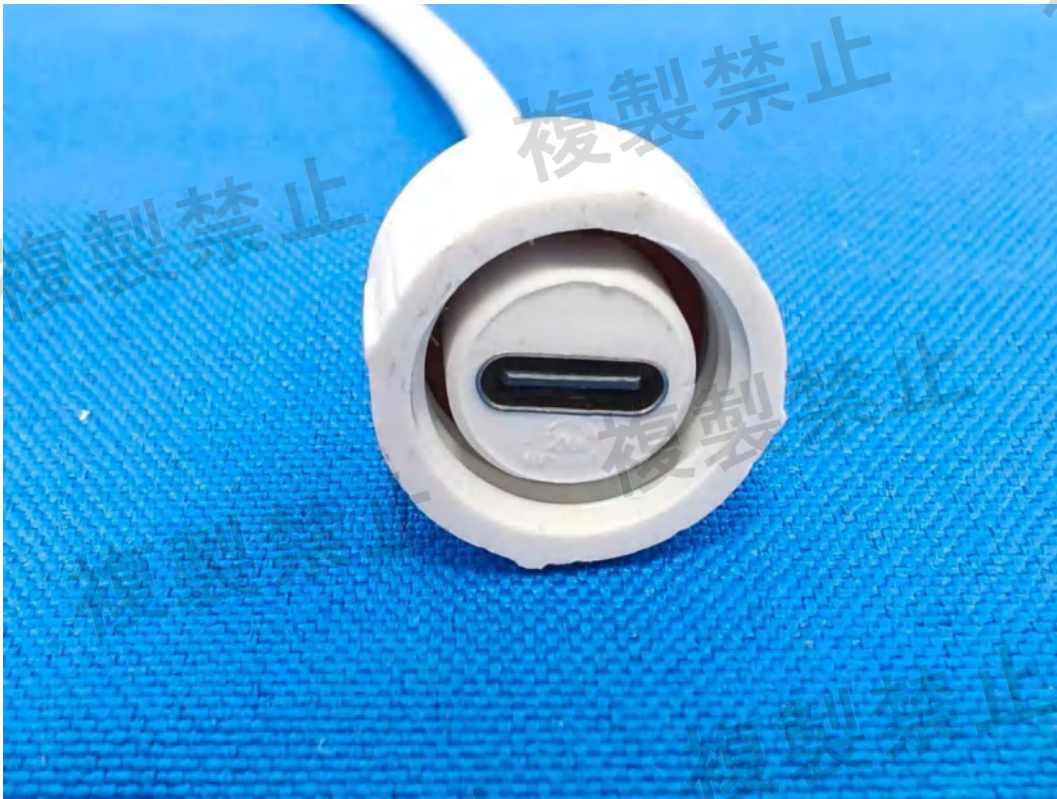
Appendix B: photographs of EUT

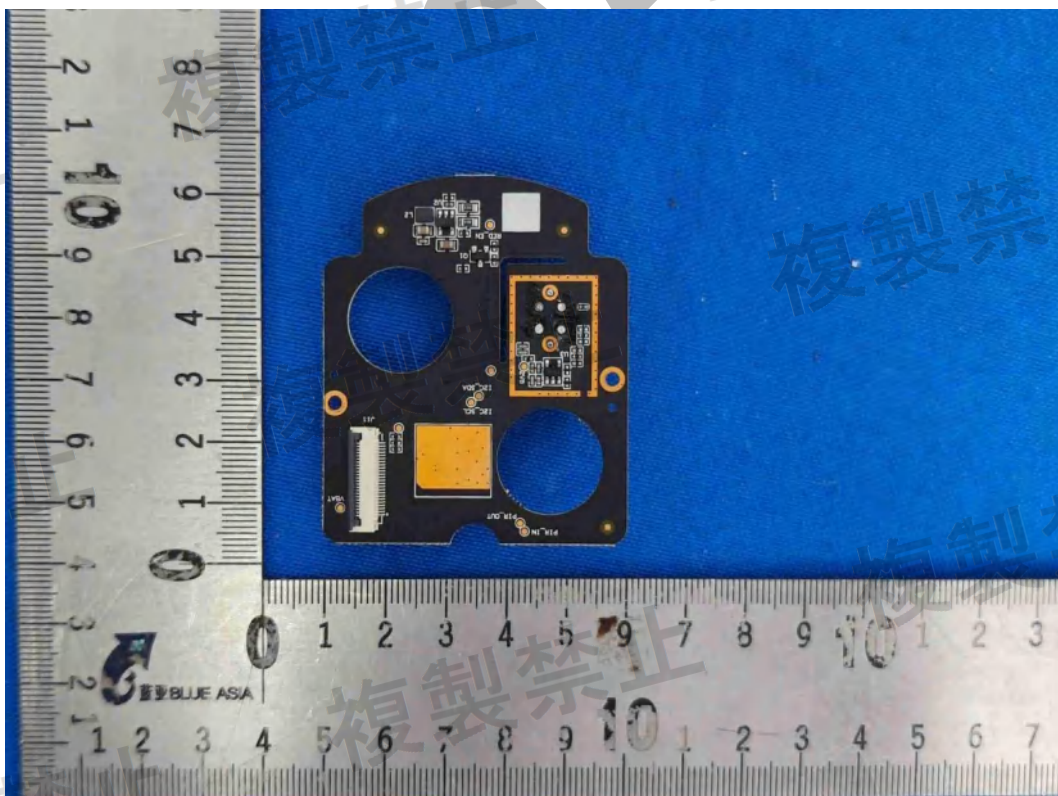
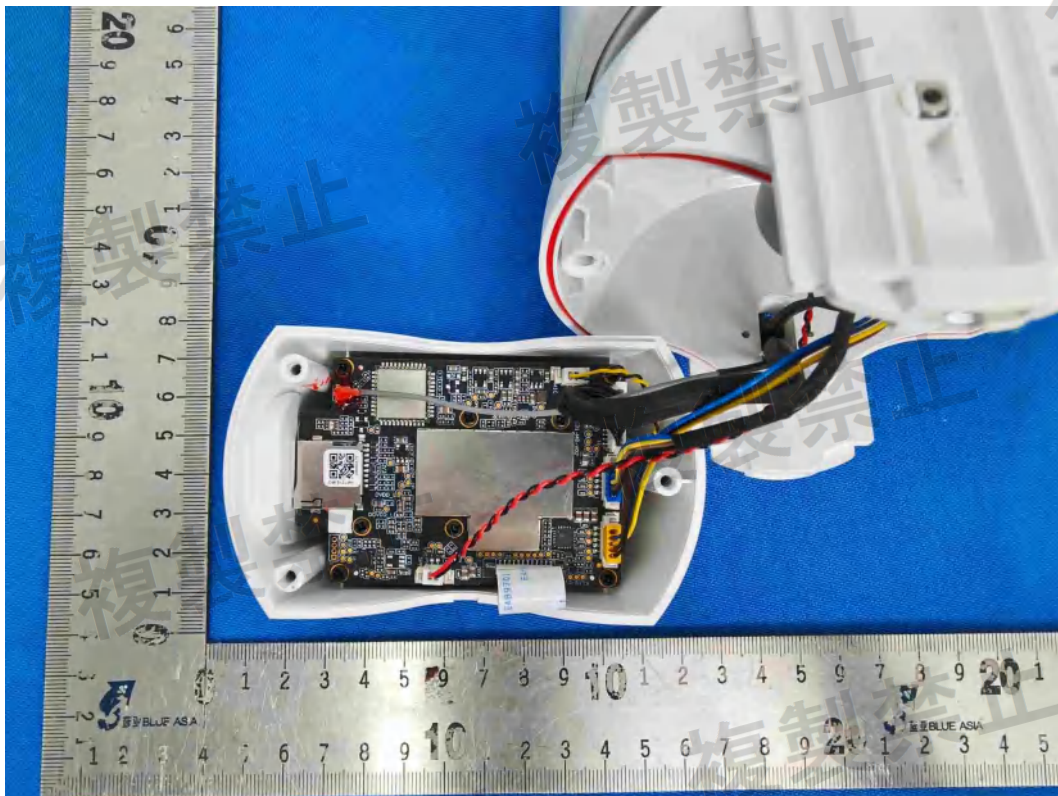


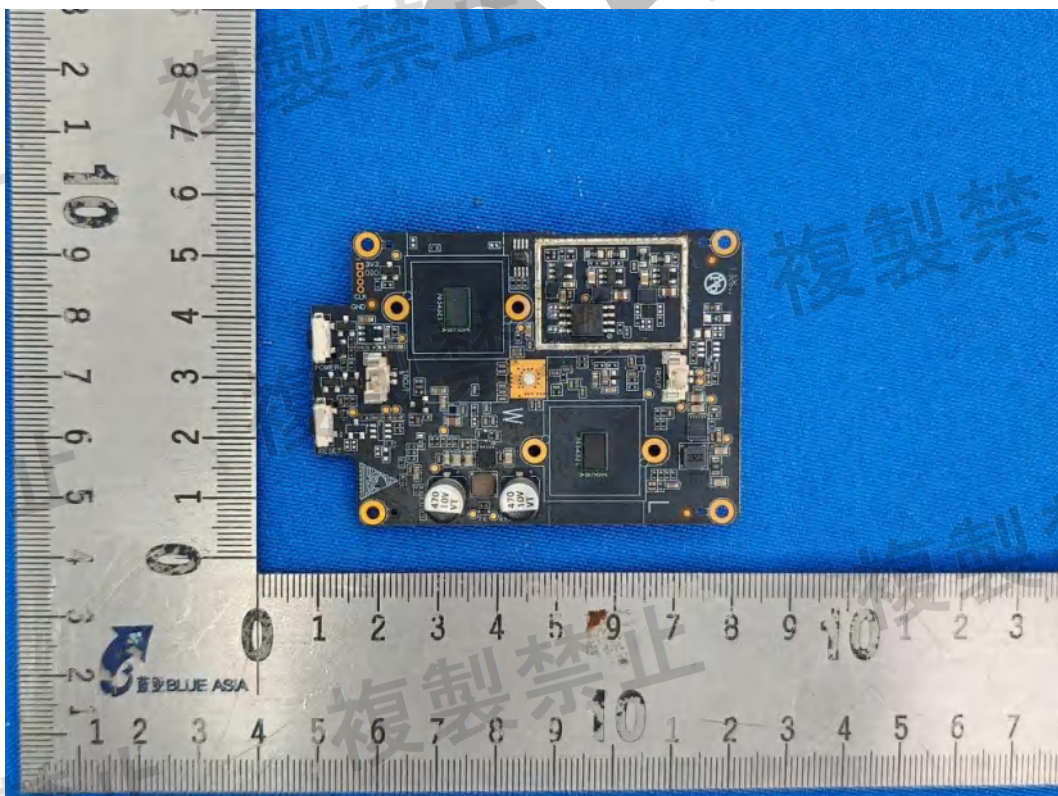
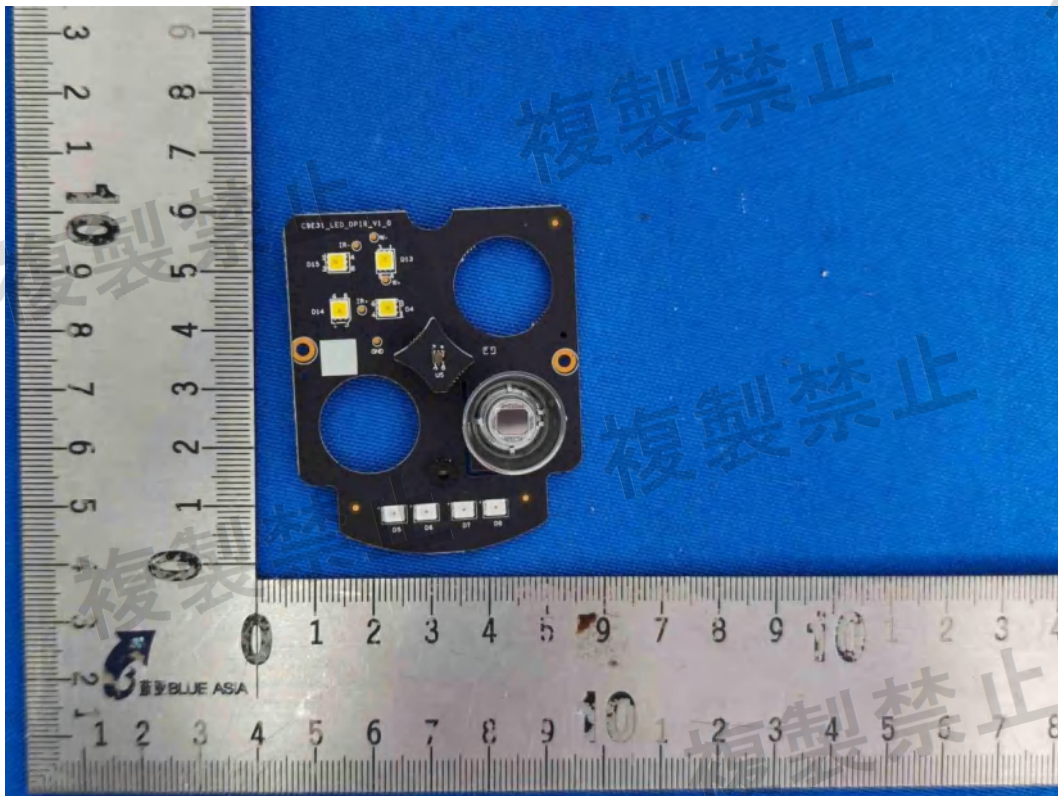


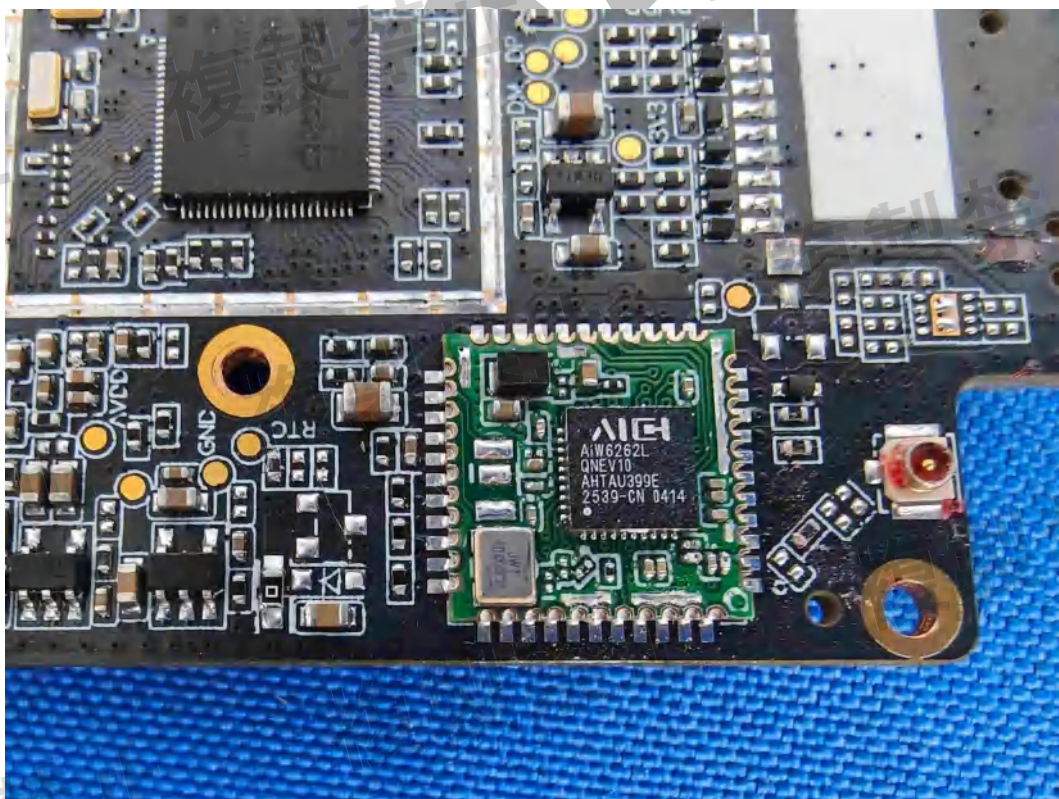
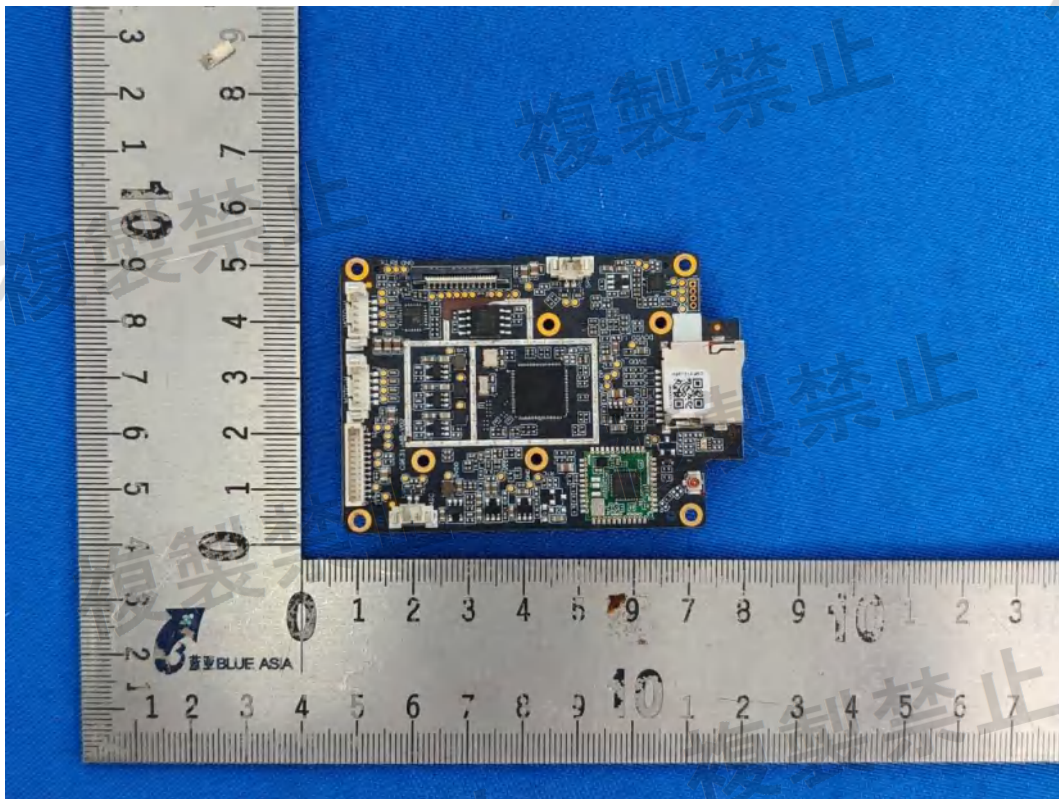


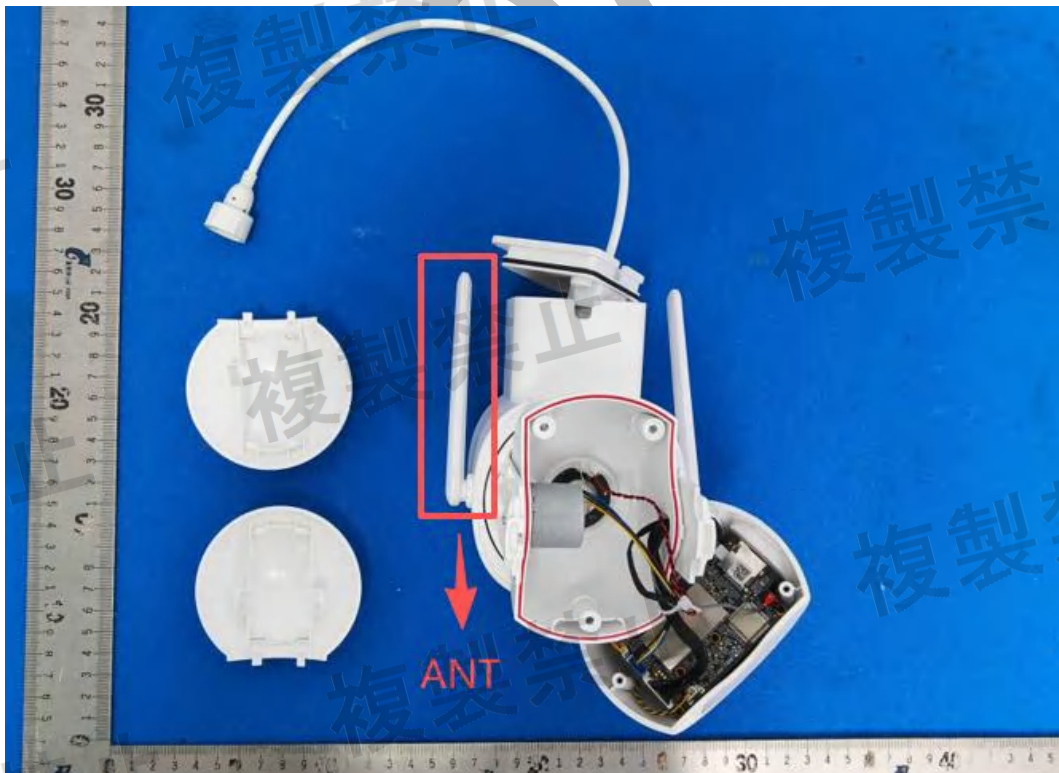


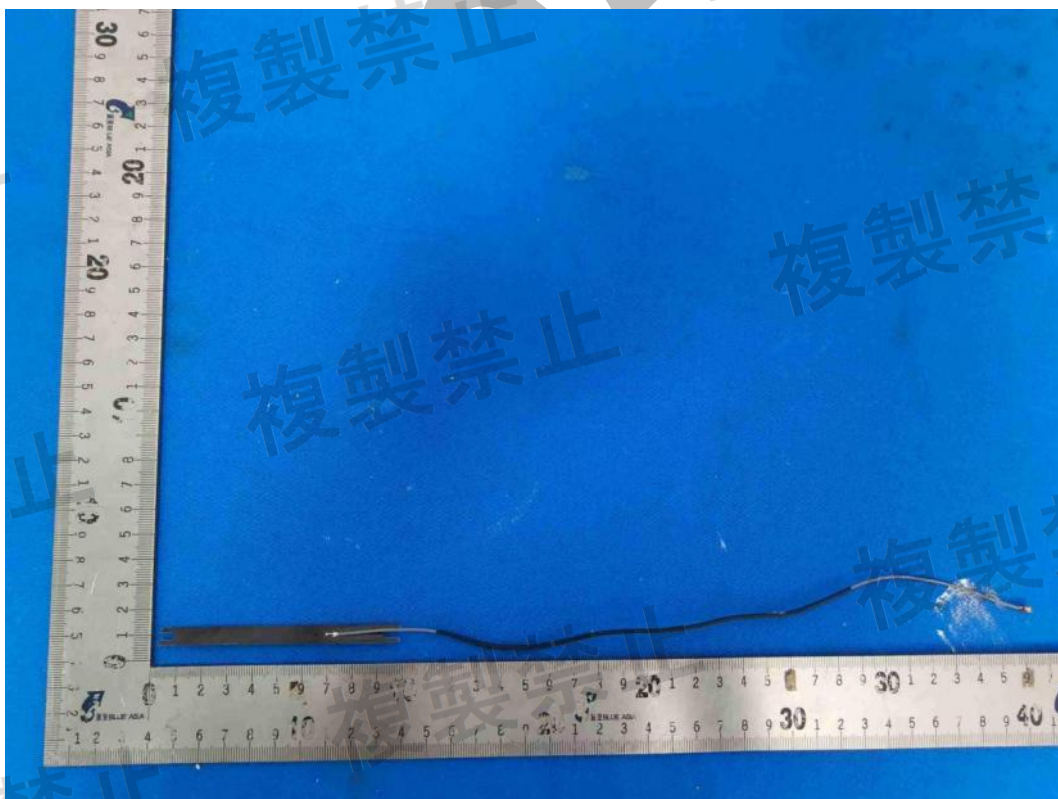
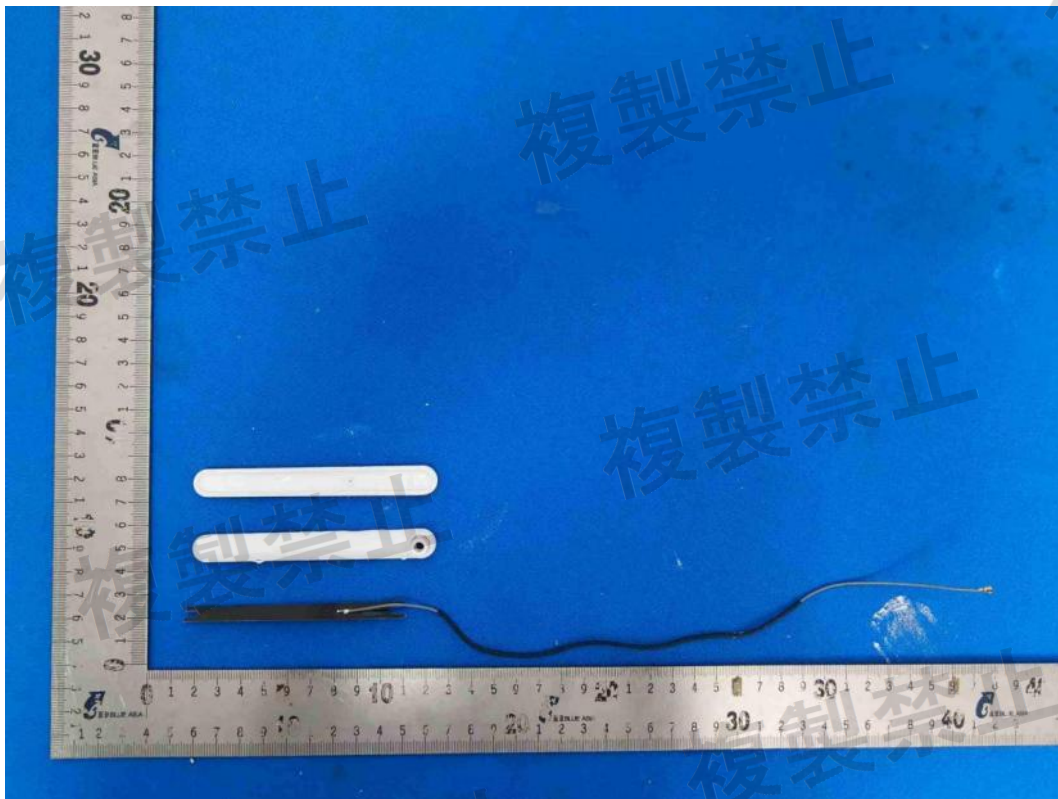


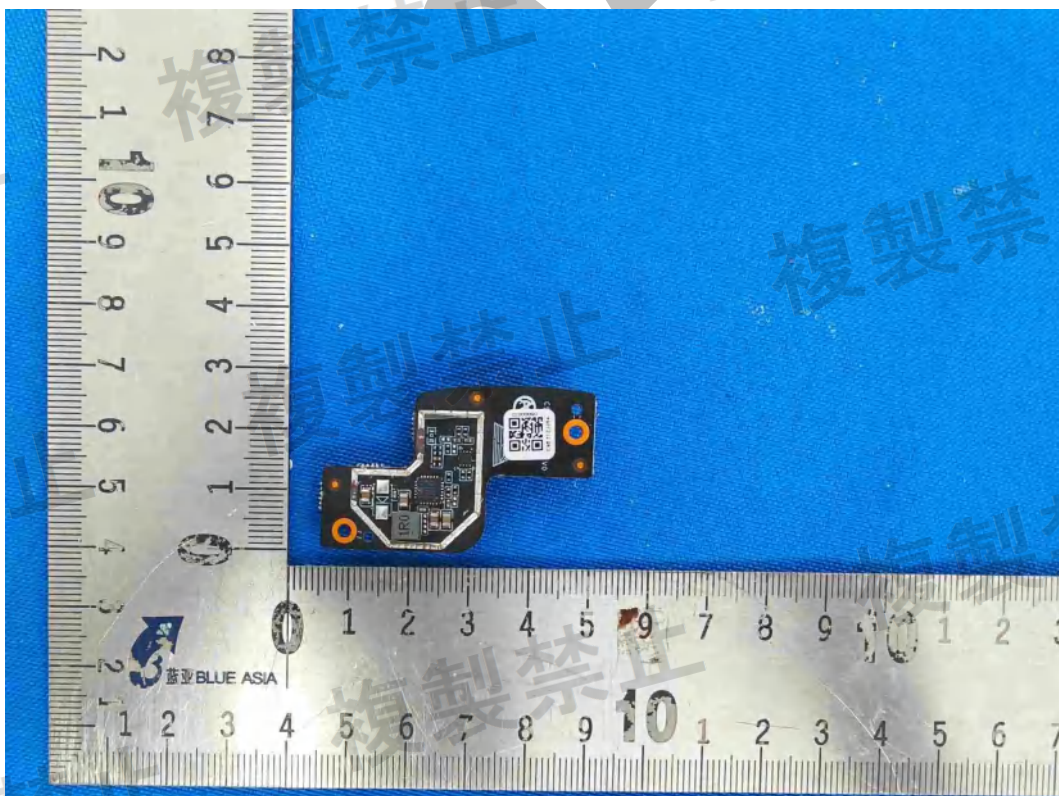
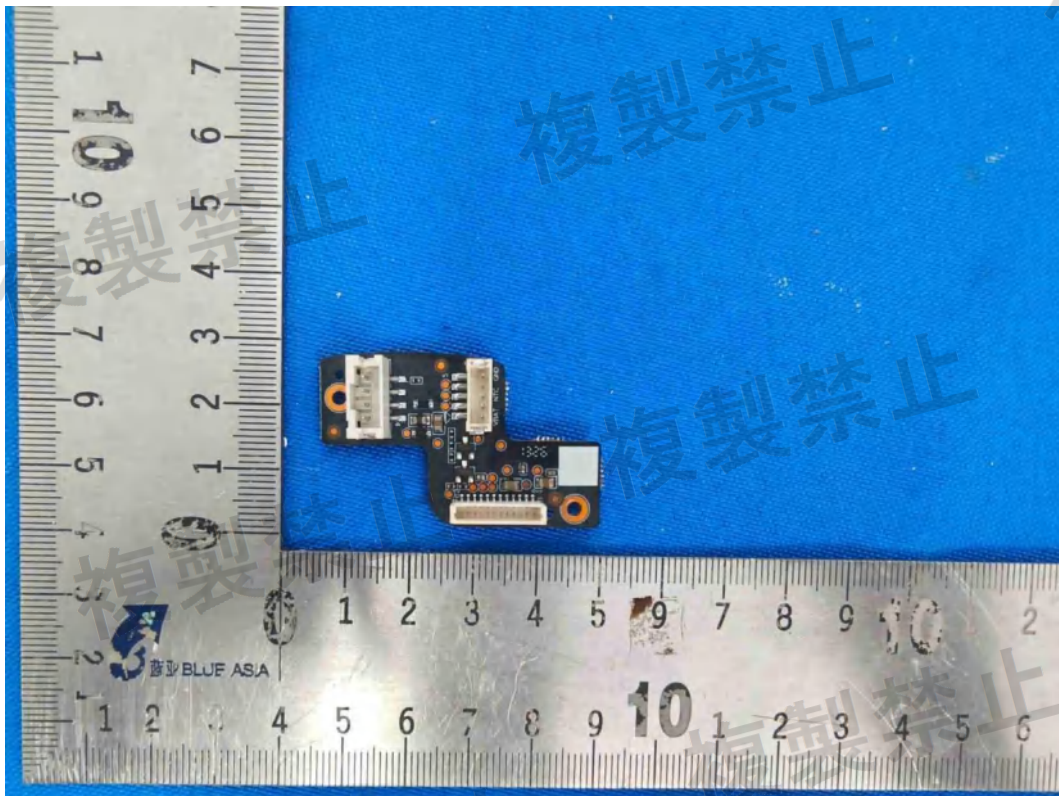


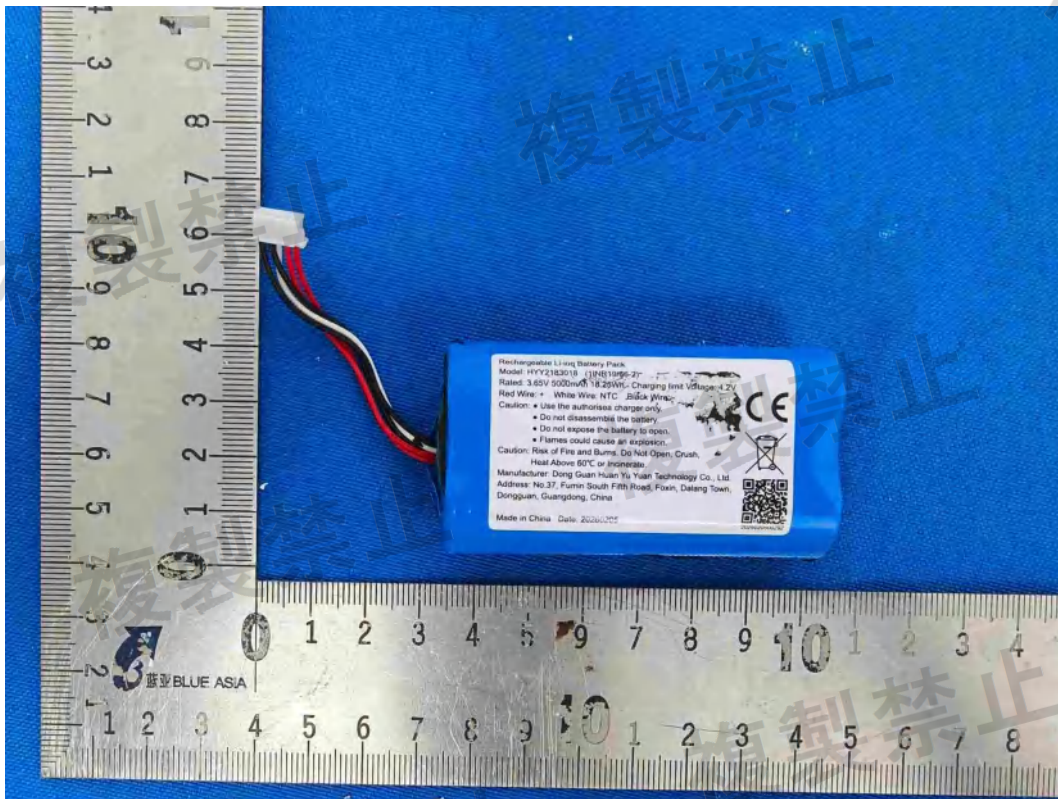












----END OF REPORT----

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