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Test Report

Applicant	:	AOSU LIFE PTE. LTD.
Address	:	9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS, SINGAPORE 138588
Product Name	:	SolarCam Lite
Brand Mark	:	AOSU, DEKCO, Saato, Zoohi
Model	:	C7L2BA11
Series model	:	C6L, DC6L, C7L, DC7L, C6L2BA11, DC6L2BA11, DC7L2BA11, C6L2FA11, DC6L2FA11, C6L2GA11, DC6L2GA11, C7L2FA11, DC7L2FA11, C7L2GA11, DC7L2GA11
Report Number	:	BLA-RF-202601-A9201
Date of Receipt	:	Jan. 21, 2026
Date of Test	:	Jan. 21, 2026 to Feb. 6, 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: Feb. 6, 2026

BlueAsia Technical Services (Shenzhen) Co., Ltd
Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict,Bao'an District, Shenzhen, Guangdong, China

The test report is effective only with both signature and specialized stamp and The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full. The results described in this report do not represent the quality or characteristics of the sampled batch, nor do they represent any similar or identical products that are not explicitly stated.

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Revise Record

Version No.	Date	Description
01	Feb. 6, 2026	Original

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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[1]	Dongguan Anran smart technology Co., LTD
Address	Building6, No.10Hongniu Road, Huangjiang Town, Dongguan, Guangdong, China
Factory[2]	Luxshare Precision Industry Co., Ltd.
Address	2F Comprehensive Building No.313 Beihuan Road Qingxi Town Dongguan City, Guangdong Province. China

1.2 General description of EUT

Product name	SolarCam Lite
Model no.	C7L2BA11
Series model	C6L, DC6L, C7L, DC7L, C6L2BA11, DC6L2BA11, DC7L2BA11, C6L2FA11, DC6L2FA11, C6L2GA11, DC6L2GA11, C7L2FA11, DC7L2FA11, C7L2GA11, DC7L2GA11
Desc of series model	The software and hardware of the product are consistent between the reported model and the main certification model, and the differences are model name and brand name which are used to distinguish different sales channels. The battery of C6L, DC6L, C6L2BA11, DC6L2BA11, C6L2FA11, DC6L2FA11, C6L2GA11, DC6L2GA11series model numbers is 3.65V/ 2600mAh and the battery of C7L2BA11, C7L, DC7L, DC7L2BA11, C7L2FA11, DC7L2FA11, C7L2GA11, DC7L2GA11 series model numbers is 3.7V/5000mAh.
Test engineer sample no.	BLA-RF-202601-A92
Operating Frequency	2412 MHz to 2472 MHz
Normal antenna power	802.11b, 802.11g, 802.11n (HT20) 1.0mW/MHz
Number of Channels	802.11b: 13 Channels 802.11g/n (HT20): 13 Channels
Type of Modulation	802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM) 802.11n (HT20): OFDM (64QAM, 16QAM, QPSK, BPSK)

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
Antenna Type:	Metal antenna
Antenna Gain:	2.41dBi(Provided by customer)
Power supply or adapter information	DC3.7V by battery
Hardware Version	C6L-GBT31_XM8710-MB-V2
Software Version	2.2.18

Note:

1. *For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.*
2. *Both the C6 and C7 series models were tested, and test data of the worst model C7L2BA11 is shown in test report.*

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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	N/A
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	N/A
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.

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	WCH	N/A	N/A	From lab
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	2025/9/7	2026/9/6	GRGT	(c)
Spectrum Analyzer	Keysight	N9030A	MY52350152	2025/9/7	2026/9/6	GRGT	(c)
Signal Generator	Agilent	E4438C	MY45092582	2025/9/7	2026/9/6	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.

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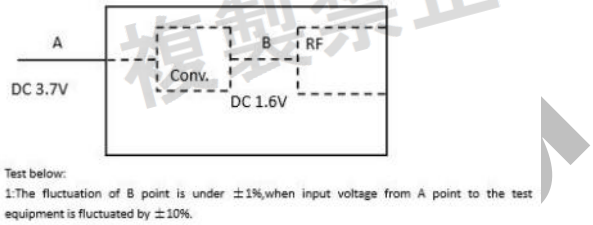
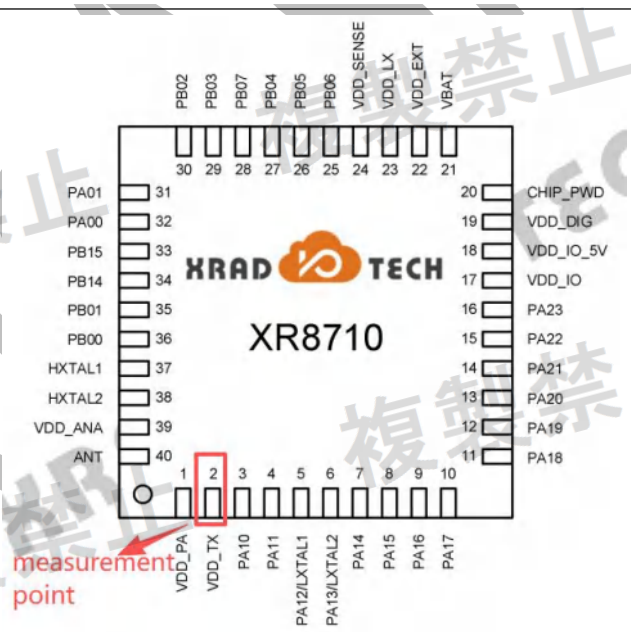
7 Radio Technical Requirements Specification

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≤ 16.91 dBm/MHz (2) OFDM or DS other than (1) EIRP≤ 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 ≤ 360/A (The A is 10 in maximum.)
Tolerance of spurious emission intensity	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
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 3.7V by battery
Test voltage require:	The power supply is DC 3.7V by battery. The supply voltage of RF part is varied within +/-1% when DC 3.7V +/- 10%, so DC 3.7V is shown in the test report.
Power Supply view:	 
Power Supply result:	The measurement result of the voltage fluctuation at RF circuit when 3.7V +/- 10%.

DC INPUT	DC1.6V
3.33V	1.6V
3.7V	1.6V
4.07V	1.6V

Test frequencies:	If the EUT can be set to 3 of 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.

Test condition	Ambient		
	Temperature(℃)	Humidity(%)	Voltage(V)
NTNV	24	48	3.7
NTLV	N/A	N/A	N/A
NTHV	N/A	N/A	N/A

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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)

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)

8.3 Test Environment

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

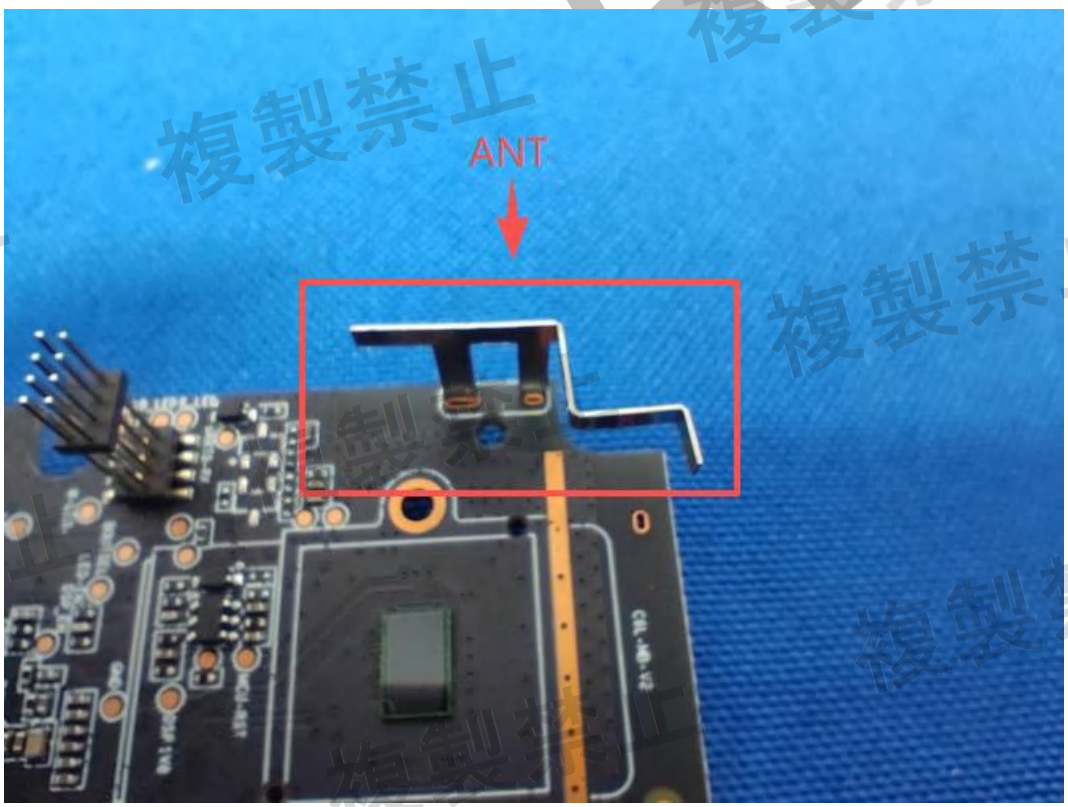
8.4 Antenna Requirement

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 matal antenna and no consideration of replacement. The best case gain of the antenna is 2.41dBi



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
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: a. Transmit the predetermined identification code from test equipment. b. Confirm the transmitted identification code by demodulator.
	60:D5:61:34:FD:F7
	MAC Address: 60:D5:61:34:FD:F7
Test result	The unit does meet the requirements (Good).

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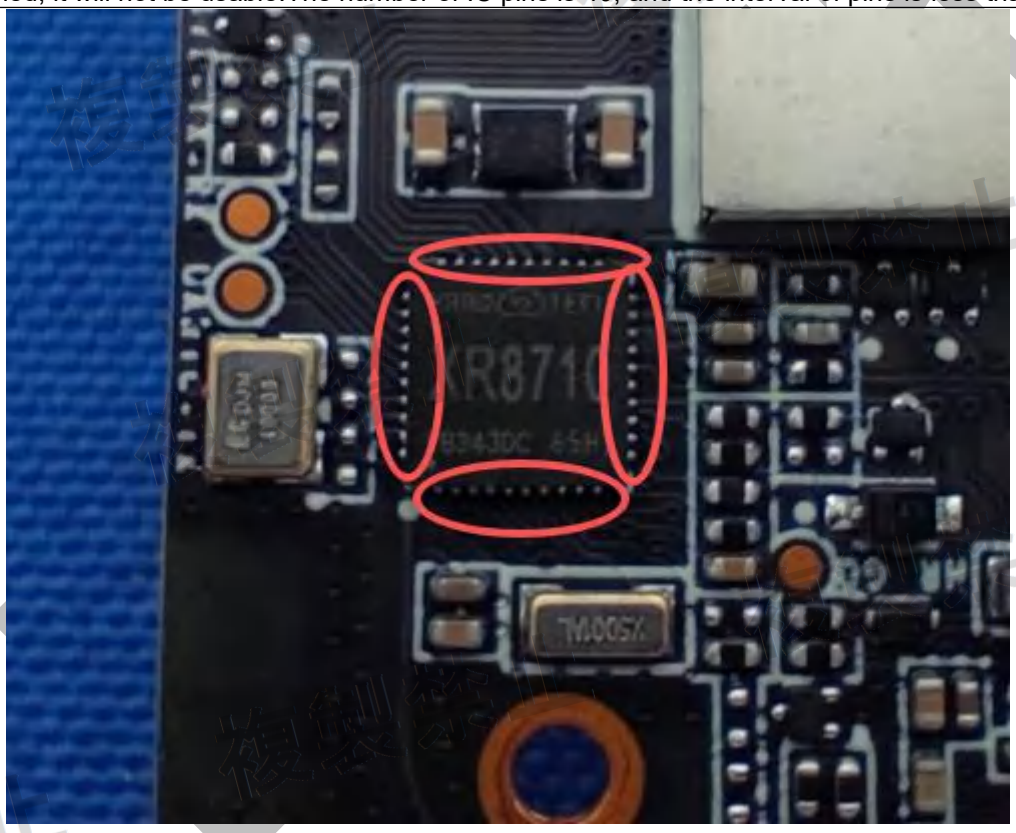
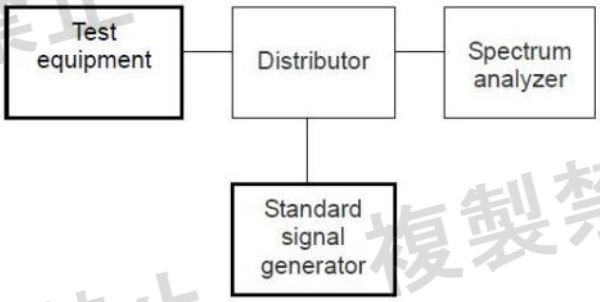
8.6 RF accessibility

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 parts are mounted on PCB with surface mount technology, and The product cannot be modified and once disassembled, it will not be usable.The number of IC pins is 40, and the interval of pins is less than 1.5mm



8.7 Carrier sense capability

1. Measurement system diagram	Test with test equipment only 
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:

N/A (Note: only 802.11N40 system need test.)

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8.8 Frequency Error

Test Requirement:	Item 19 of Article 2-1
	Tolerance of frequency: ±50×10 $^{-6}$
Test Status:	Test the EUT in transmitting mode without modulation.
Test Configuration:	
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement.
	2. EUT conditions: Modulation/Spread/Hopping OFF, CW Tx
	3. Spectrum Analyzerconditions: 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

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8.8.1 Test result:

TestCondition	TestMode	Antenna	Channel	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2412	2412.044	18.24212	±50	PASS
			2442	2442.045	18.42752	±50	PASS
			2472	2472.042	16.99029	±50	PASS

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

Result plot as follows:

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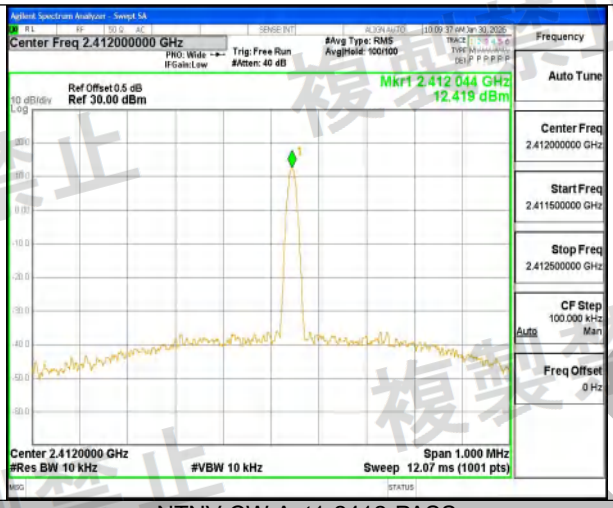
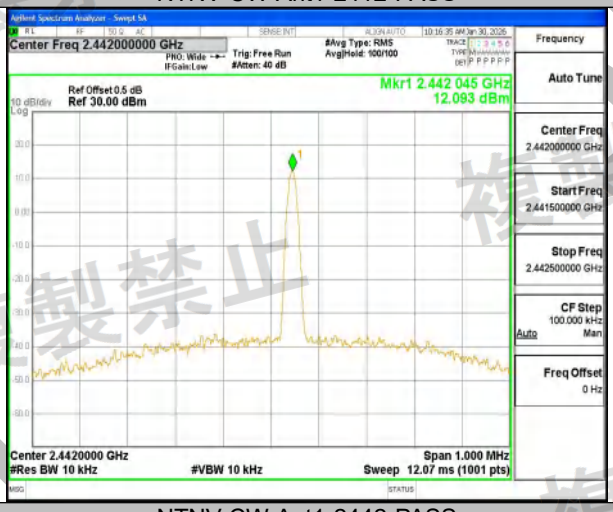
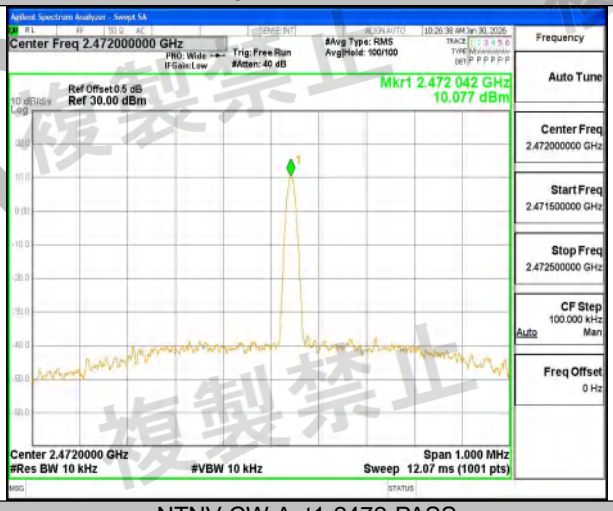
8.8.2 Test Graphs



NTNV-CW-Ant1-2412-PASS



NTNV-CW-Ant1-2442-PASS



NTNV-CW-Ant1-2472-PASS

Test result: The unit does meet the requirements.

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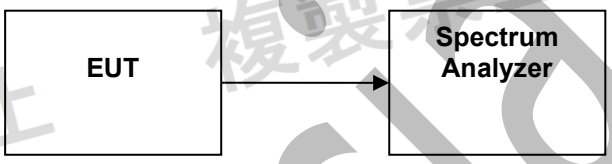
8.9 Occupied Bandwidth (99%)

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:	
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 Analyzerconditions:
	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	12.871	<=26	PASS
			2442	12.905	<=26	PASS
			2472	12.969	<=26	PASS
	11G	Ant1	2412	16.695	<=26	PASS
			2442	16.710	<=26	PASS
			2472	16.655	<=26	PASS
	11N20SISO	Ant1	2412	17.827	<=26	PASS
			2442	17.808	<=26	PASS
			2472	17.818	<=26	PASS

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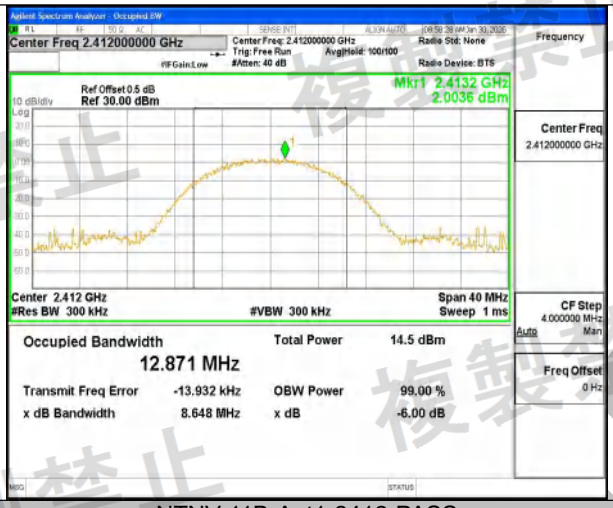
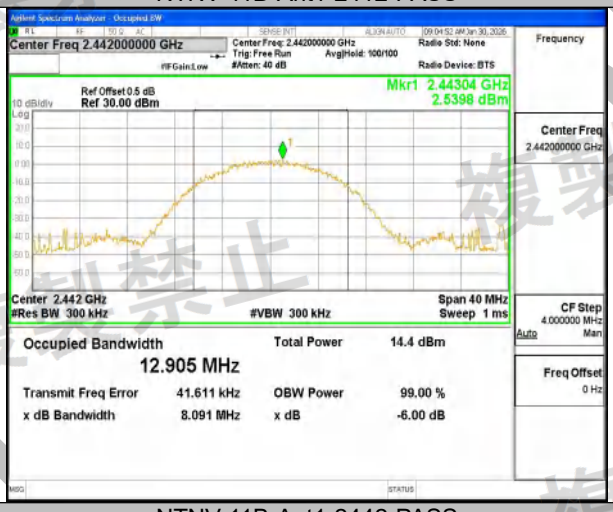
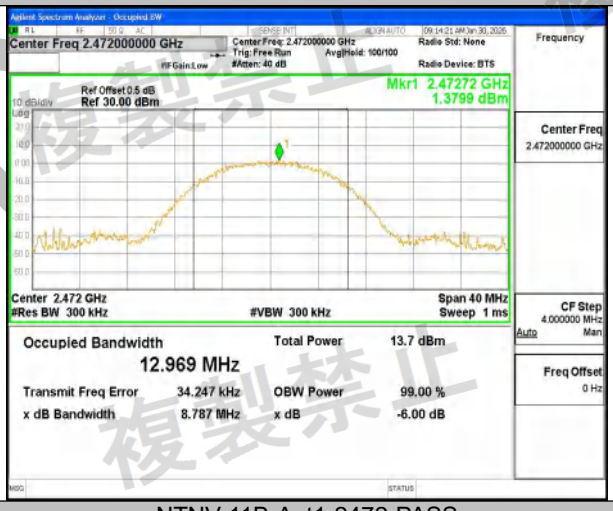
8.9.2 Test Graphs



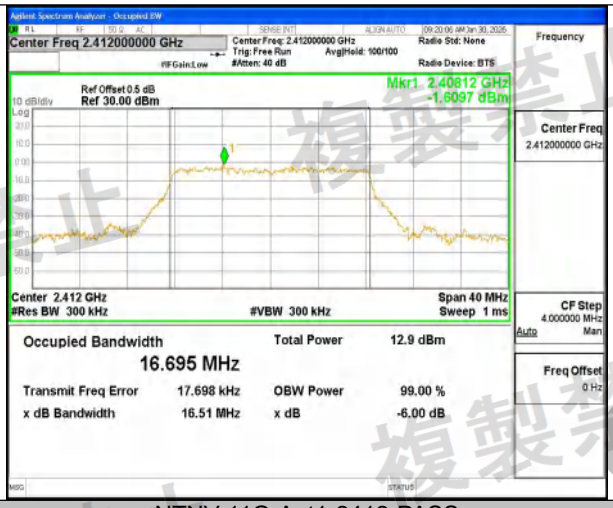
NTNV-11B-Ant1-2412-PASS



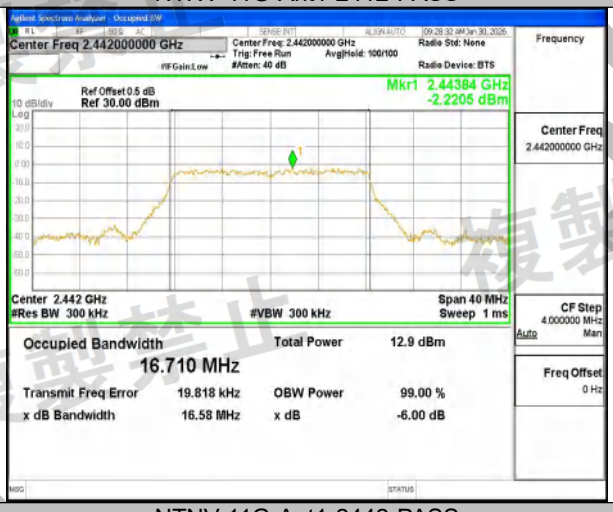
NTNV-11B-Ant1-2442-PASS



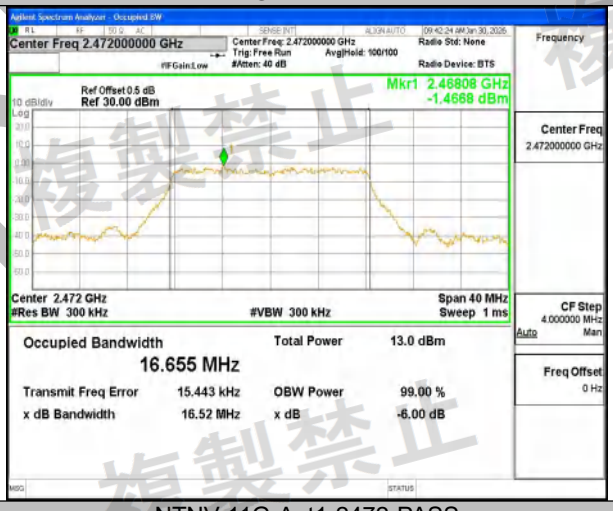
NTNV-11B-Ant1-2472-PASS



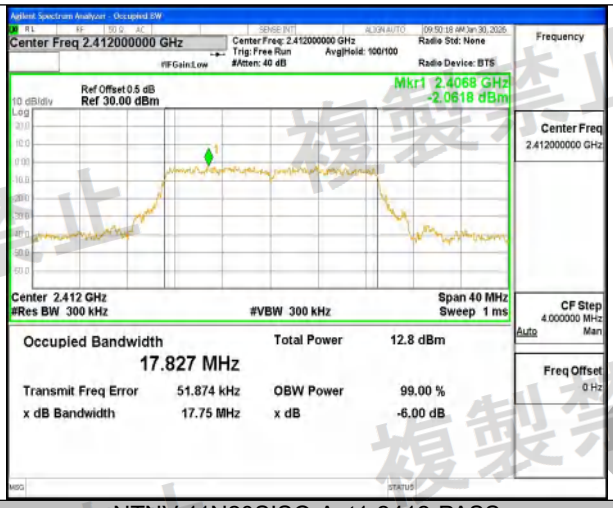
NTNV-11G-Ant1-2412-PASS



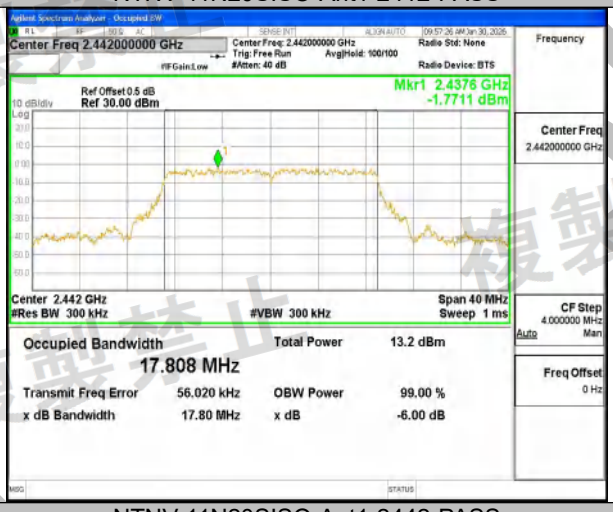
NTNV-11G-Ant1-2442-PASS



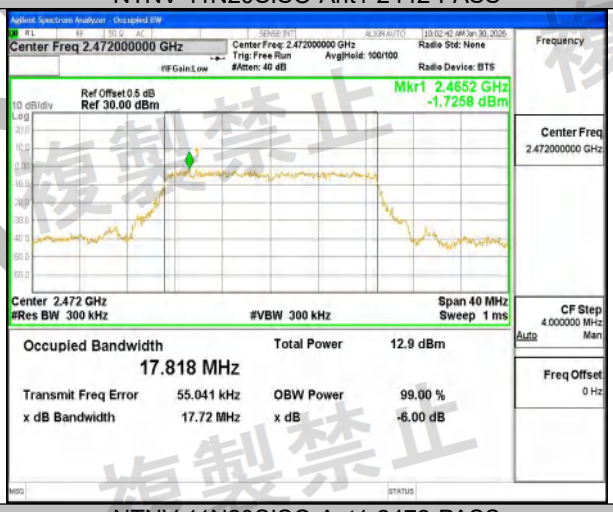
NTNV-11G-Ant1-2472-PASS



NTNV-11N20SISO-Ant1-2412-PASS



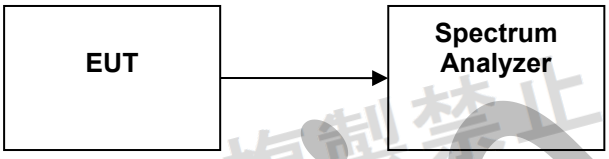
NTNV-11N20SISO-Ant1-2442-PASS



NTNV-11N20SISO-Ant1-2472-PASS

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:	
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 testsignal.
	3. Spectrum Analyzerconditions: Frequency: Test Frequency Span 40MHz (DSSS,OFDM) RBW 300kHz VBW300kHz Sweep Time Auto detector mode Positive peak Indication mode Max hold OBW 90%

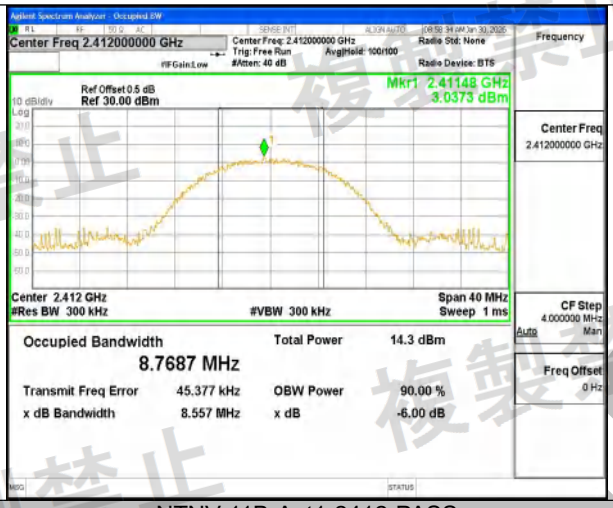
BlueAsia
複製禁止

8.10.1 Test Result

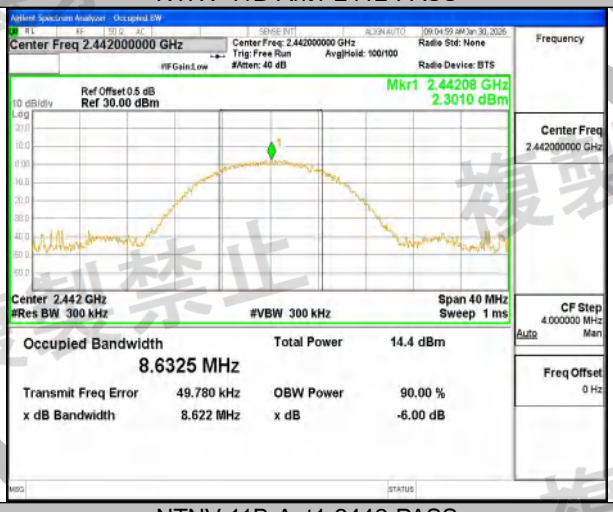
TestCondition	TestMode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	8.769	N/A	N/A
			2442	8.633	N/A	N/A
			2472	8.696	N/A	N/A
	11G	Ant1	2412	14.911	N/A	N/A
			2442	14.964	N/A	N/A
			2472	14.982	N/A	N/A
	11N20SISO	Ant1	2412	15.857	N/A	N/A
			2442	15.865	N/A	N/A
			2472	16.012	N/A	N/A

BlueAsia
複製禁止

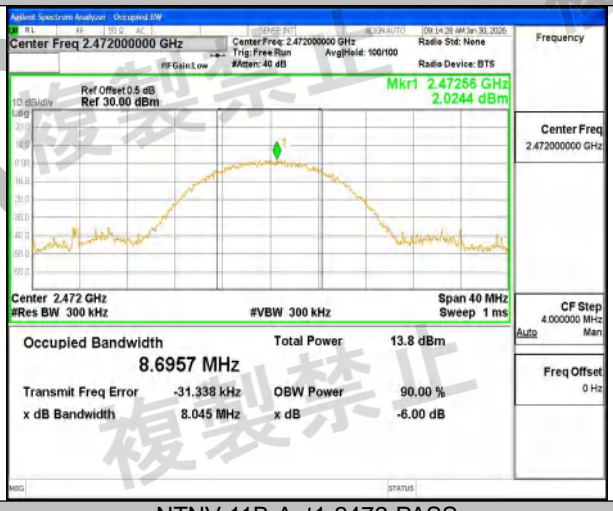
8.10.2 Test Graphs



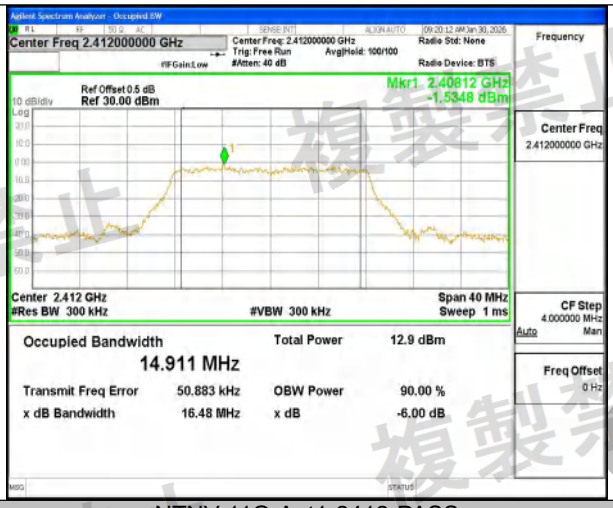
NTNV-11B-Ant1-2412-PASS



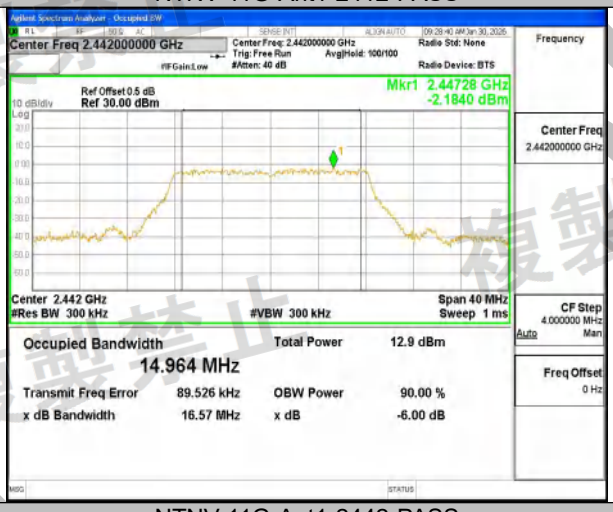
NTNV-11B-Ant1-2442-PASS



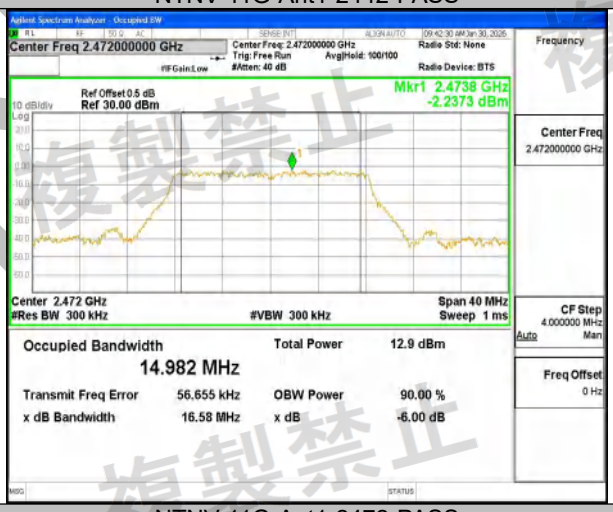
NTNV-11B-Ant1-2472-PASS



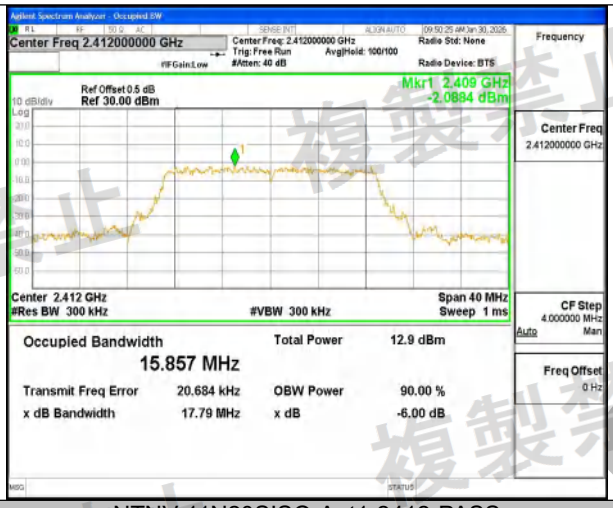
NTNV-11G-Ant1-2412-PASS



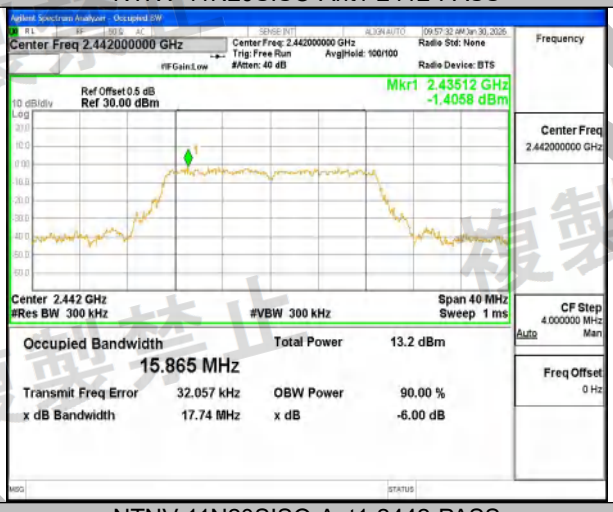
NTNV-11G-Ant1-2442-PASS



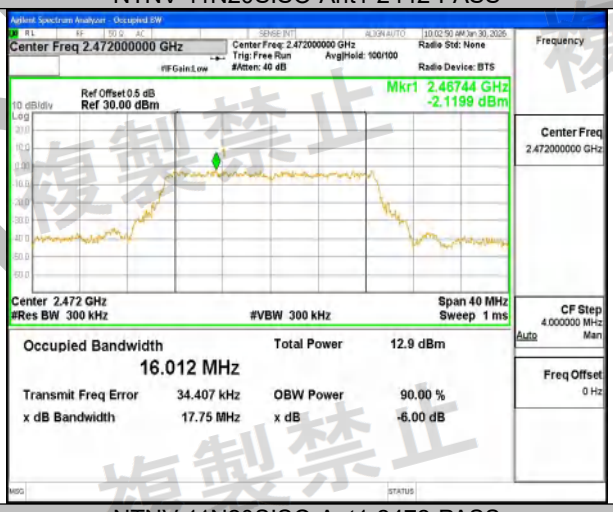
NTNV-11G-Ant1-2472-PASS



NTNV-11N20SISO-Ant1-2412-PASS



NTNV-11N20SISO-Ant1-2442-PASS



NTNV-11N20SISO-Ant1-2472-PASS

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:	
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 testsignal.
	3. Spectrum Analyzerconditions: 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: seached frequency. Span: 0Hz RBW:1MHz VBW:1MHz Sweep: Auto Detector: RMS Display mode (Trace): RMS 10 times approx.

8.11.1 Test Result

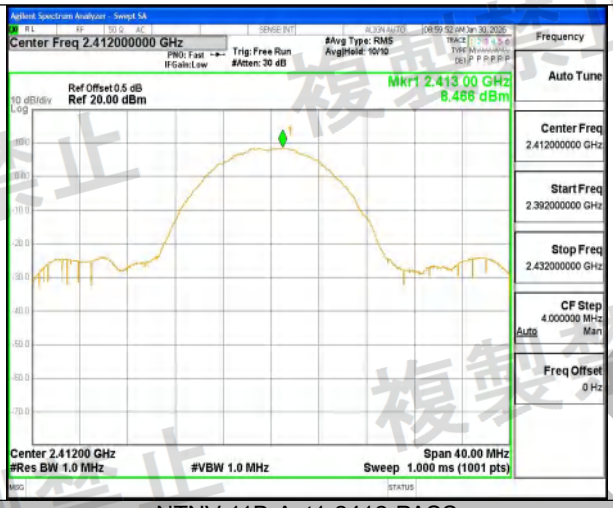
AntennaPower							
TestCondition	TestMode	Antenna	Channel	Result(dBm/MHz)	Result(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11B	Ant1	2412	-0.009	0.998	<=10	PASS
			2442	-0.130	0.971	<=10	PASS
			2472	-0.735	0.844	<=10	PASS
	11G	Ant1	2412	-6.010	0.251	<=10	PASS
			2442	-6.056	0.248	<=10	PASS
			2472	-5.666	0.271	<=10	PASS
	11N20SISO	Ant1	2412	-7.262	0.188	<=10	PASS
			2442	-7.310	0.186	<=10	PASS
			2472	-7.501	0.178	<=10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Channel	Power (mW/MHz)	RatedPower (mW/MHz)	Result(%)	Limit(%)	Verdict
NTNV	11B	Ant1	2412	0.998	1.0	-0.20	+20	PASS
			2442	0.971	1.0	-2.90	+20	PASS
			2472	0.844	1.0	-15.60	+20	PASS
	11G	Ant1	2412	0.251	1.0	-74.90	+20	PASS
			2442	0.248	1.0	-75.20	+20	PASS
			2472	0.271	1.0	-72.90	+20	PASS
	11N20SISO	Ant1	2412	0.188	1.0	-81.20	+20	PASS
			2442	0.186	1.0	-81.40	+20	PASS
			2472	0.178	1.0	-82.20	+20	PASS

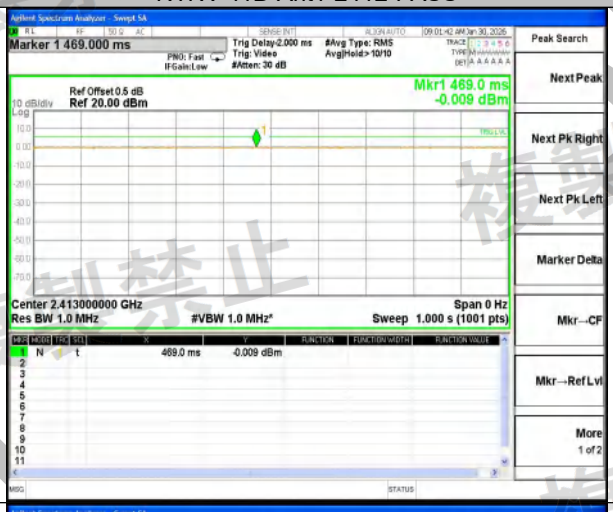
Conducted rated power: 802.11b, 802.11g, 802.11n (HT20) 1.0mW/MHz

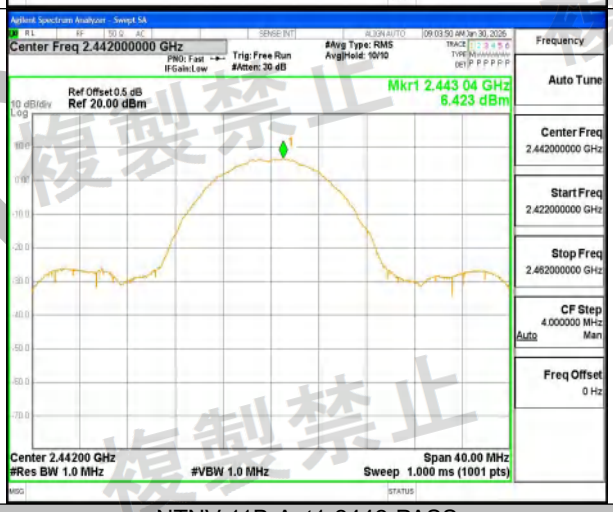
EIRP（Max）						
TestCondition	TestMode	Antenna	Channel	Result(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTNV	11B	Ant1	2412	2.401	<=12.14	PASS
			2442	2.28	<=12.14	PASS
			2472	1.675	<=12.14	PASS
	11G	Ant1	2412	-3.6	<=12.14	PASS
			2442	-3.646	<=12.14	PASS
			2472	-3.256	<=12.14	PASS
	11N20SISO	Ant1	2412	-4.852	<=12.14	PASS
			2442	-4.9	<=12.14	PASS
			2472	-5.091	<=12.14	PASS

8.11.2 Test Graphs

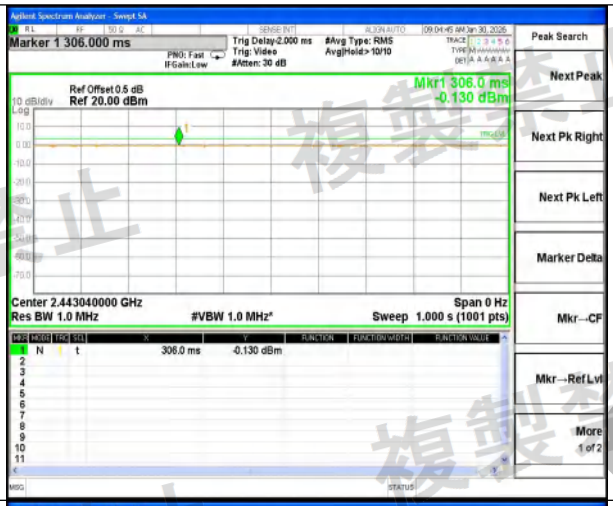


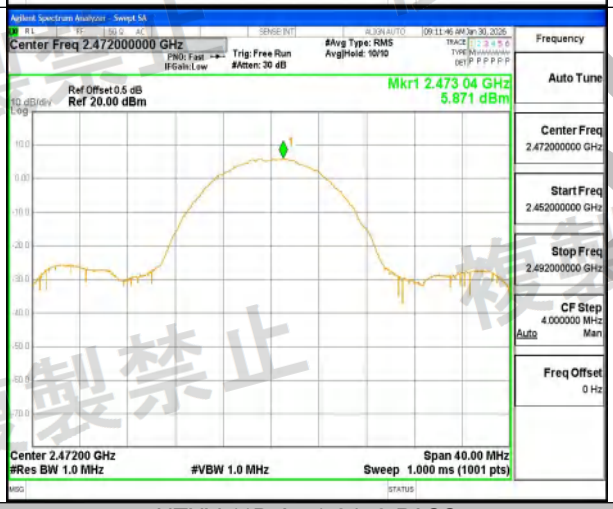
NTNV-11B-Ant1-2412-PASS



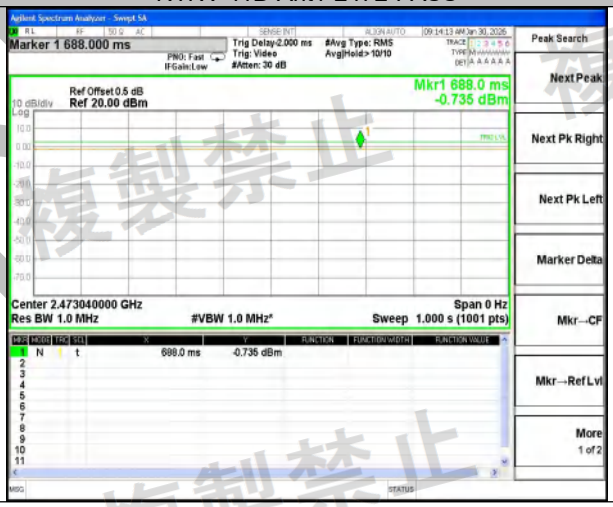


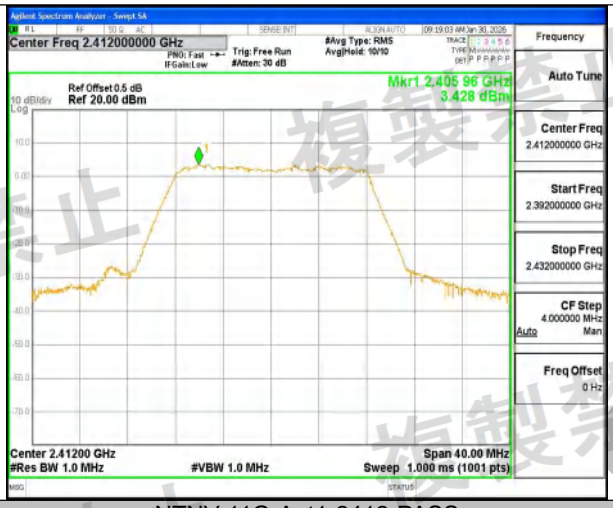
NTNV-11B-Ant1-2442-PASS



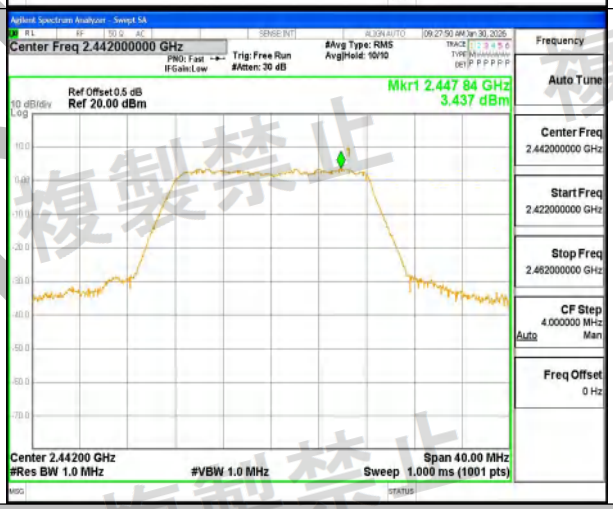


NTNV-11B-Ant1-2472-PASS

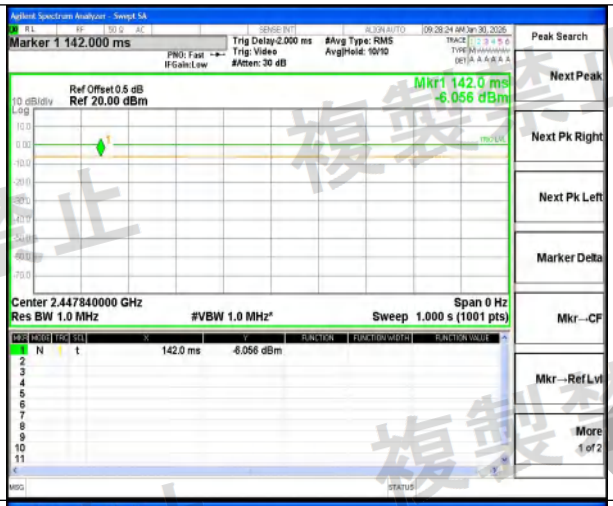


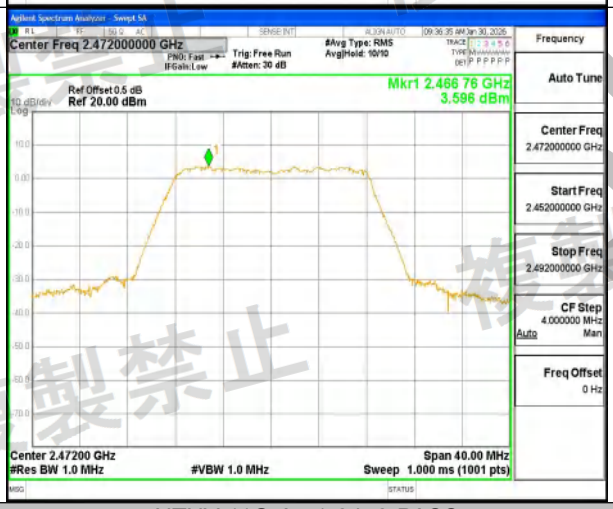


NTNV-11G-Ant1-2412-PASS

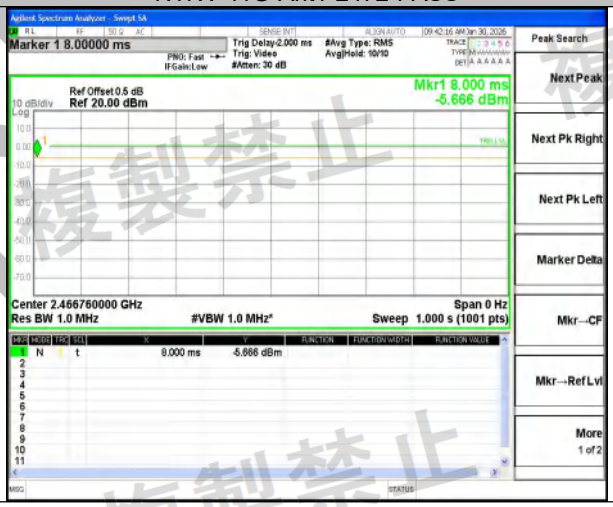


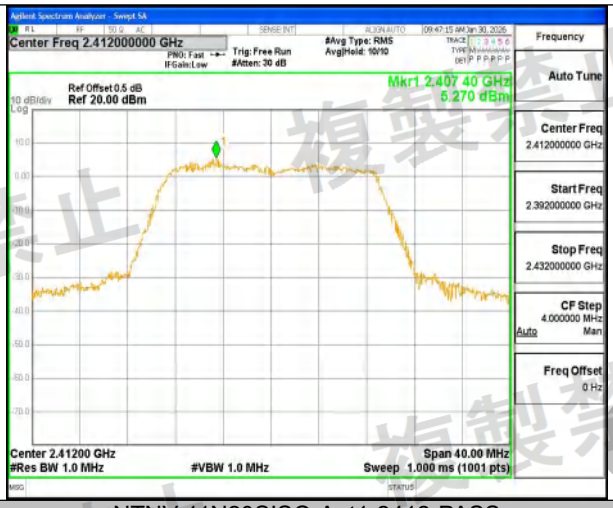
NTNV-11G-Ant1-2442-PASS



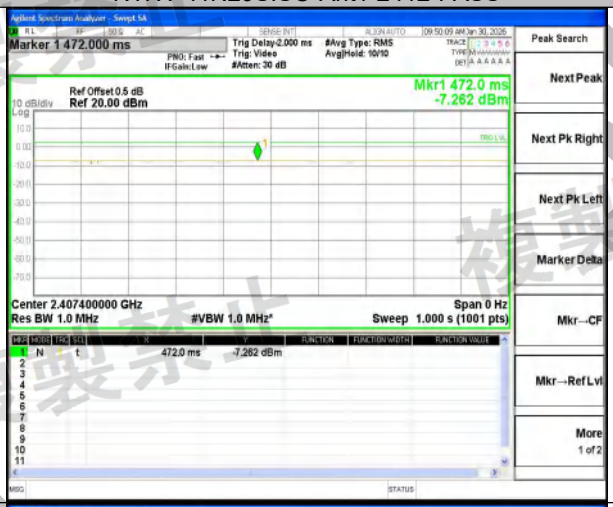


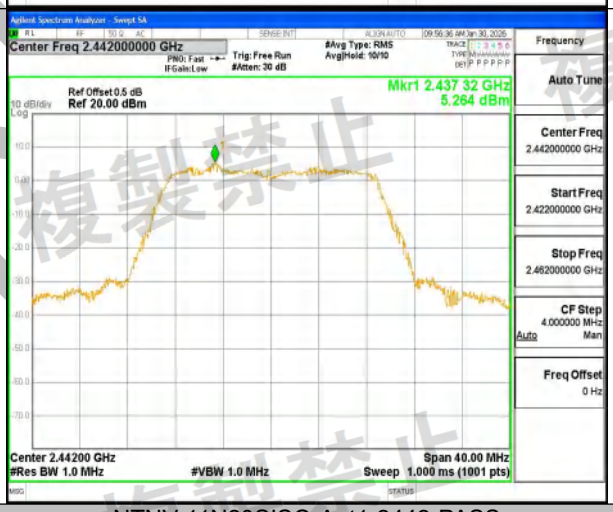
NTNV-11G-Ant1-2472-PASS



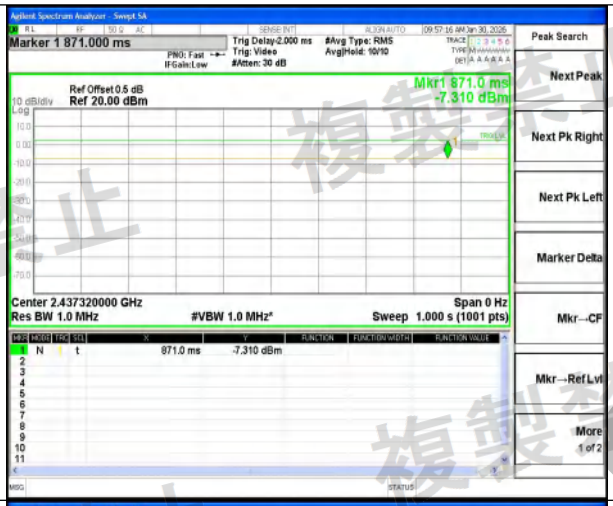


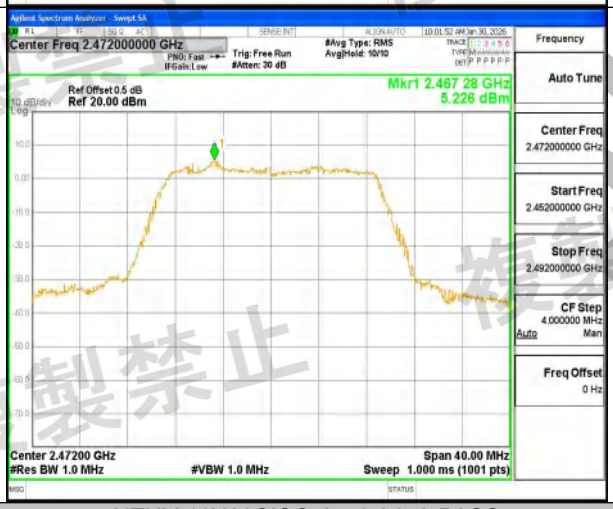
NTNV-11N20SISO-Ant1-2412-PASS



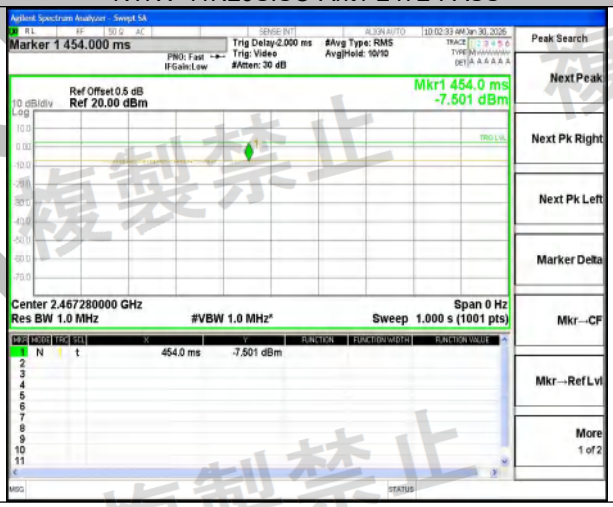


NTNV-11N20SISO-Ant1-2442-PASS



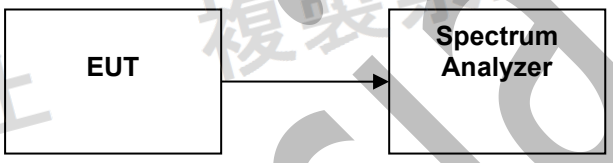


NTNV-11N20SISO-Ant1-2472-PASS



Test result: The unit does meet the requirements.

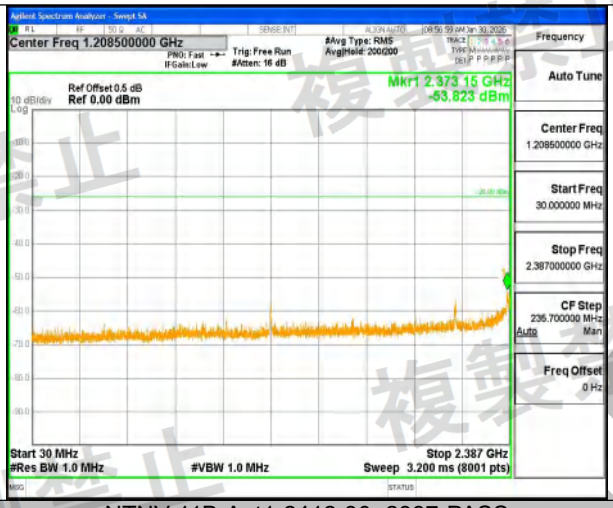
8.12 Spurious Emissions of Tx

Test Requirement:	Item 19 of Article 2-1
	for 2412-2472MHz (1) Below 2387 MHz : 2.5μW/MHz (-26dBm/MHz) (2) 2387 to 2400 MHz : 25μW/MHz (-16dBm/MHz) (3) 2483.5 through 2496.5 MHz : 25μW/MHz (-16dBm/MHz) (4) Over 2496.5 MHz : 2.5μW/MHz (-26dBm/MHz)
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:	
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 testsignal.
	Spectrum Analyzerconditions: 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 Span 0Hz Sweep Time Auto detector mode Sample Indication mode Max hold

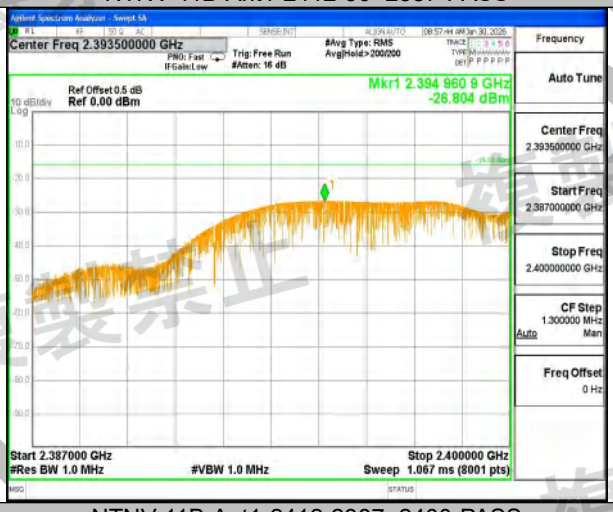
8.12.1 Test Result

Test Condition	Test Mode	Antenna	Channel	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
NTNV	11B	Ant1	2412	30~2387	2373.15	-53.82	<=-26	PASS
				2387~2400	2394.96	-26.80	<=-16	PASS
				2483.5~2496.5	2489.39	-58.52	<=-16	PASS
				2496.5~13000	3597.30	-45.02	<=-26	PASS
			2442	30~2387	1221.46	-56.52	<=-26	PASS
				2387~2400	2397.22	-53.79	<=-16	PASS
				2483.5~2496.5	2483.83	-55.83	<=-16	PASS
				2496.5~13000	4884.10	-54.56	<=-26	PASS
			2472	30~2387	1236.19	-55.23	<=-26	PASS
				2387~2400	2388.05	-56.84	<=-16	PASS
				2483.5~2496.5	2489.24	-27.63	<=-16	PASS
				2496.5~13000	2520.10	-39.76	<=-26	PASS
	11G	Ant1	2412	30~2387	2386.12	-35.29	<=-26	PASS
				2387~2400	2389.82	-26.62	<=-16	PASS
				2483.5~2496.5	2484.59	-45.75	<=-16	PASS
				2496.5~13000	2518.60	-36.98	<=-26	PASS
			2442	30~2387	2384.05	-44.90	<=-26	PASS
				2387~2400	2396.86	-39.08	<=-16	PASS
				2483.5~2496.5	2489.46	-41.80	<=-16	PASS
				2496.5~13000	2597.80	-40.63	<=-26	PASS
			2472	30~2387	2384.94	-47.52	<=-26	PASS
				2387~2400	2399.88	-43.42	<=-16	PASS
				2483.5~2496.5	2483.53	-29.62	<=-16	PASS
				2496.5~13000	2501.80	-39.15	<=-26	PASS
	11N20SISO	Ant1	2412	30~2387	2381.40	-37.32	<=-26	PASS
				2387~2400	2398.55	-28.49	<=-16	PASS
				2483.5~2496.5	2483.61	-45.91	<=-16	PASS
				2496.5~13000	2546.40	-38.58	<=-26	PASS
			2442	30~2387	2367.26	-46.51	<=-26	PASS
				2387~2400	2394.47	-38.67	<=-16	PASS
				2483.5~2496.5	2486.75	-41.67	<=-16	PASS
				2496.5~13000	2570.00	-40.23	<=-26	PASS
			2472	30~2387	2119.78	-53.93	<=-26	PASS
				2387~2400	2389.24	-51.69	<=-16	PASS
				2483.5~2496.5	2483.56	-24.09	<=-16	PASS
				2496.5~13000	2539.60	-33.56	<=-26	PASS

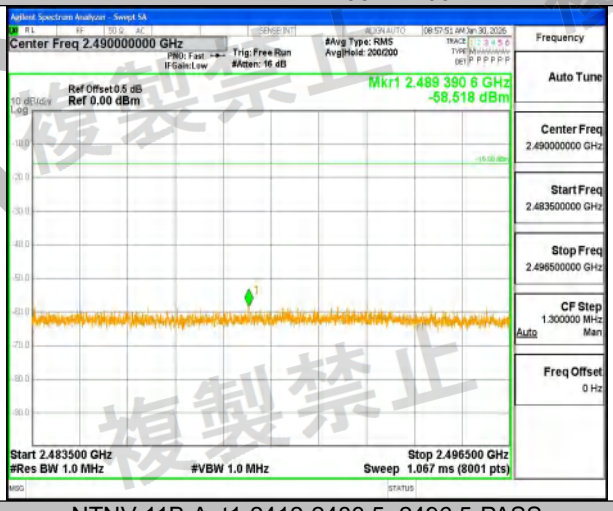
8.12.2 Test Graphs



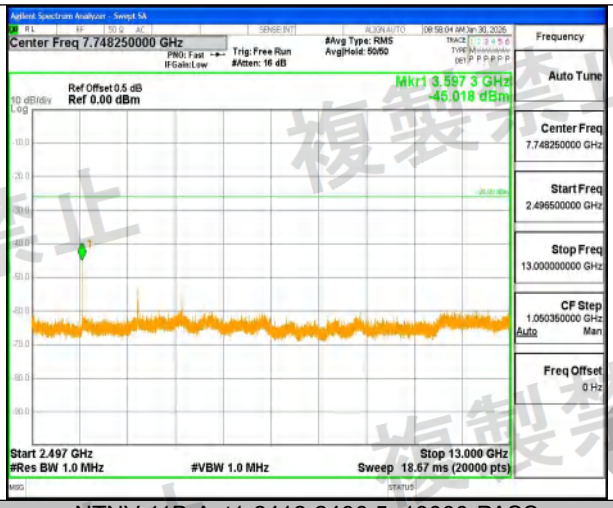
NTNV-11B-Ant1-2412-30~2387-PASS



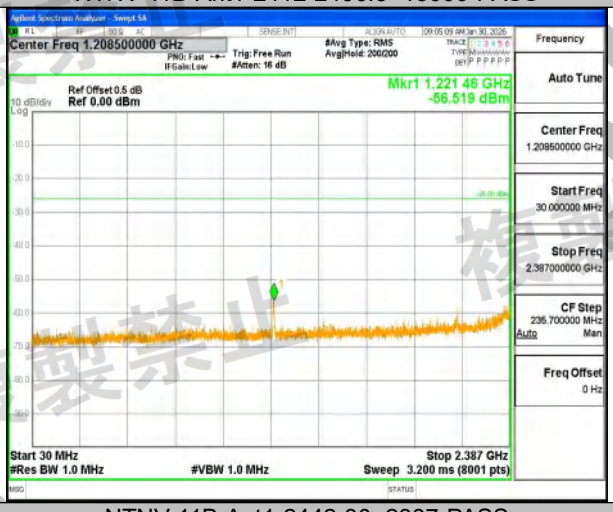
NTNV-11B-Ant1-2412-2387~2400-PASS



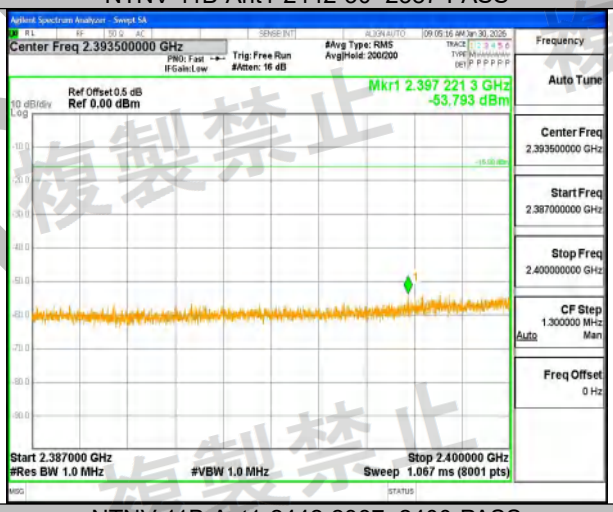
NTNV-11B-Ant1-2412-2483.5~2496.5-PASS



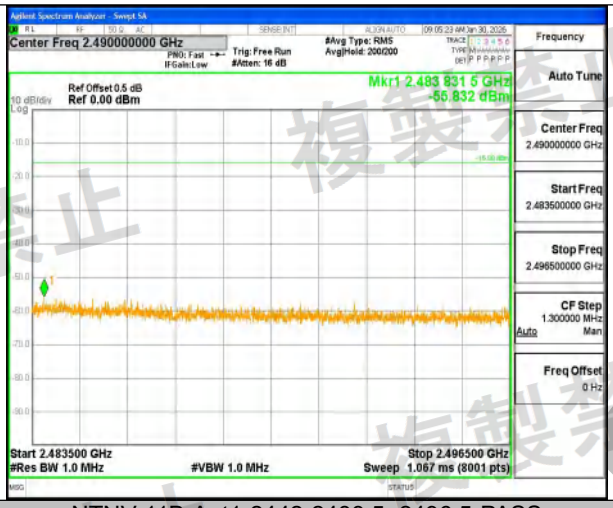
NTNV-11B-Ant1-2412-2496.5~13000-PASS



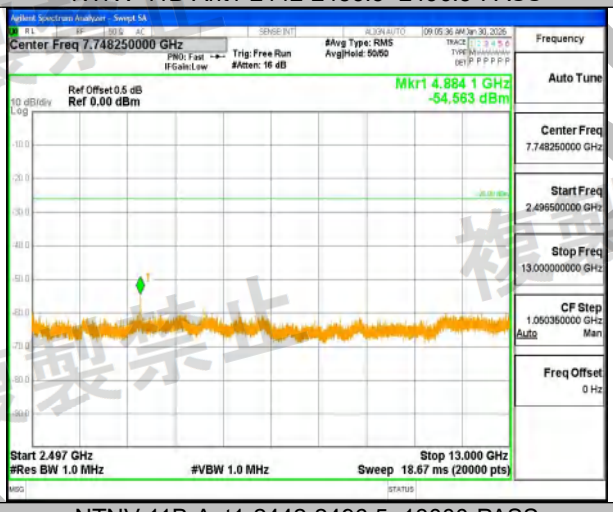
NTNV-11B-Ant1-2442-30~2387-PASS



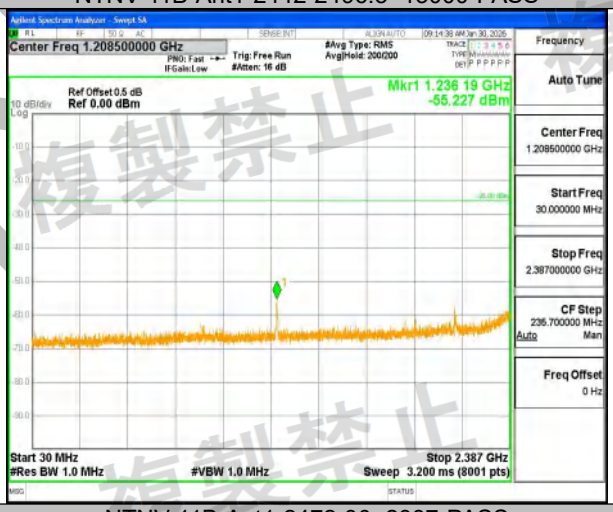
NTNV-11B-Ant1-2442-2387~2400-PASS



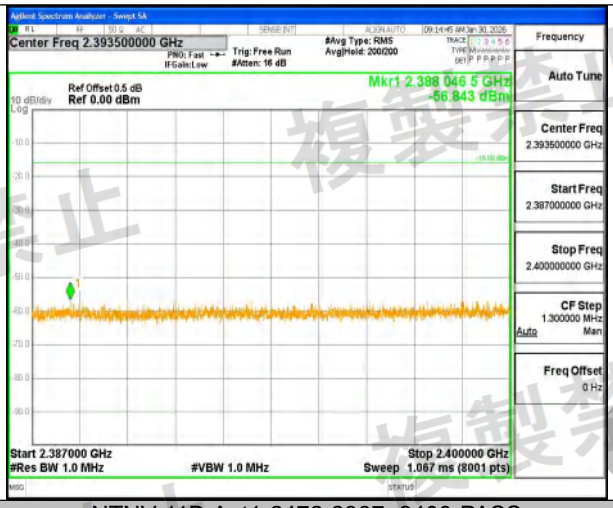
NTNV-11B-Ant1-2442-2483.5~2496.5-PASS



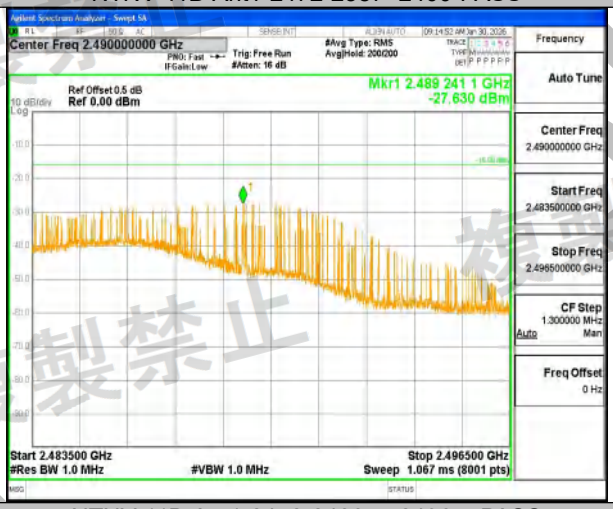
NTNV-11B-Ant1-2442-2496.5~13000-PASS



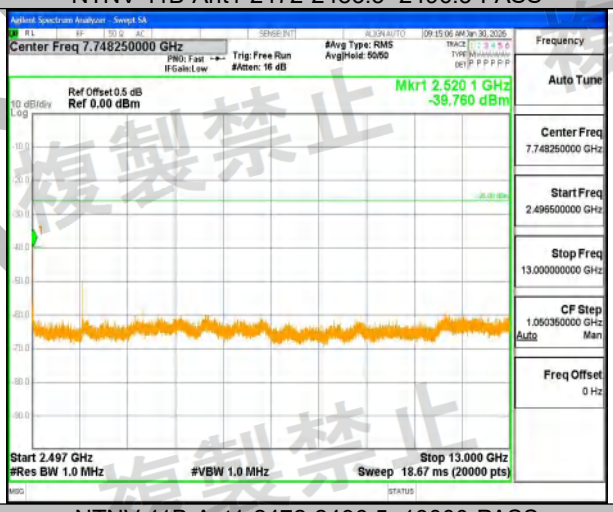
NTNV-11B-Ant1-2472-30~2387-PASS



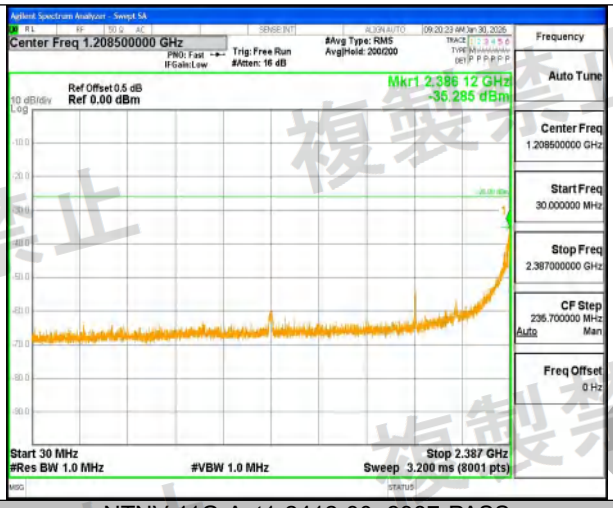
NTNV-11B-Ant1-2472-2387~2400-PASS



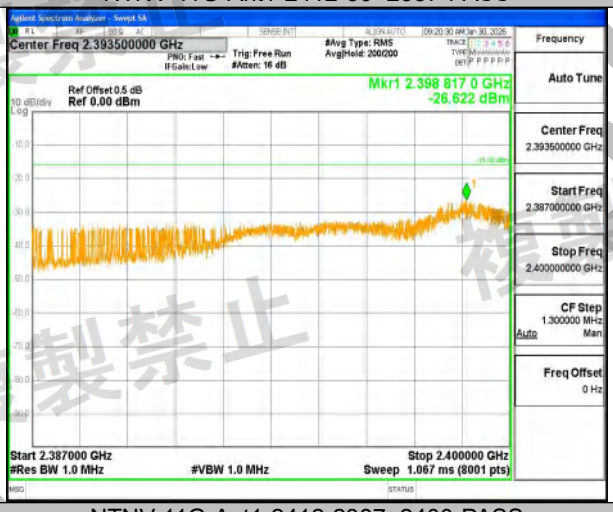
NTNV-11B-Ant1-2472-2483.5~2496.5-PASS



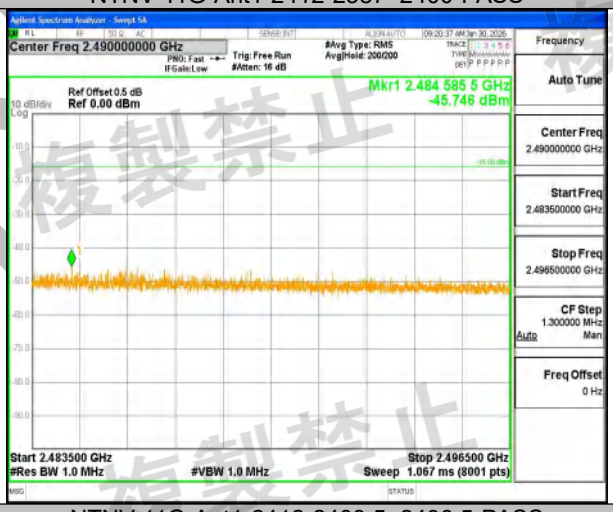
NTNV-11B-Ant1-2472-2496.5~13000-PASS



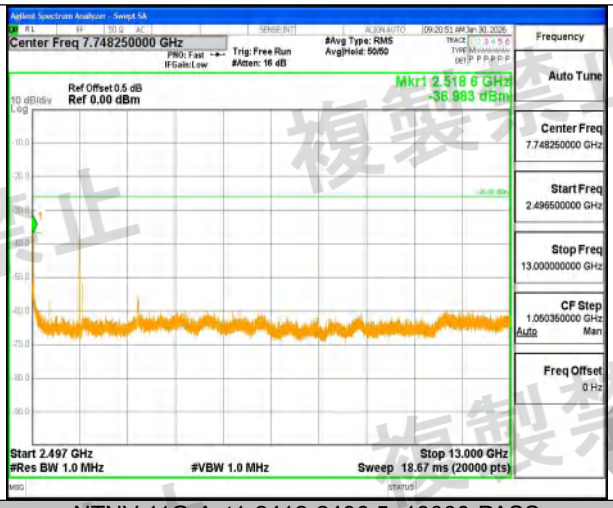
NTNV-11G-Ant1-2412-30~2387-PASS



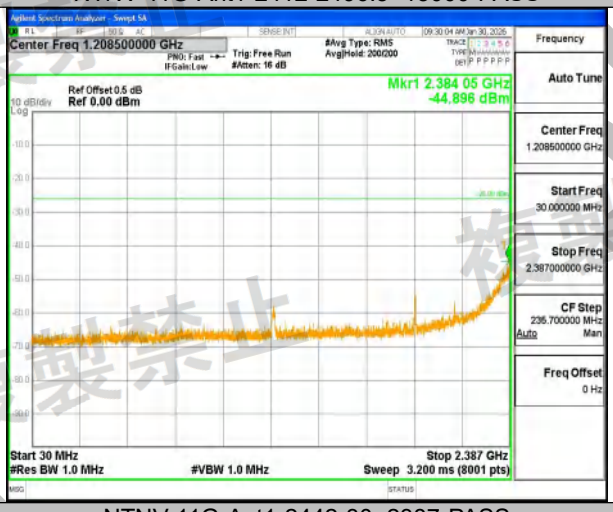
NTNV-11G-Ant1-2412-2387~2400-PASS



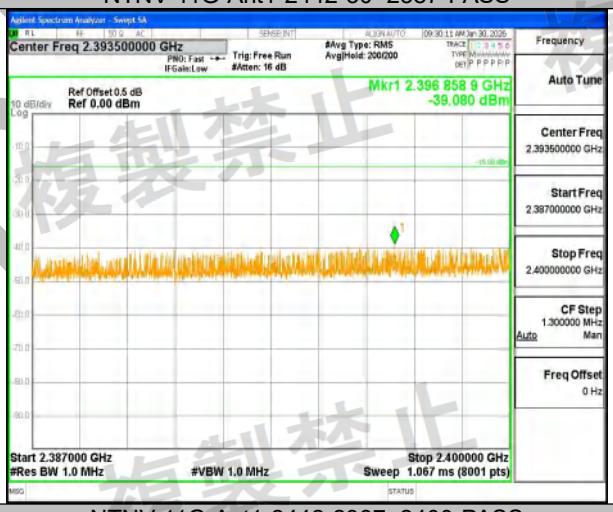
NTNV-11G-Ant1-2412-2483.5~2496.5-PASS



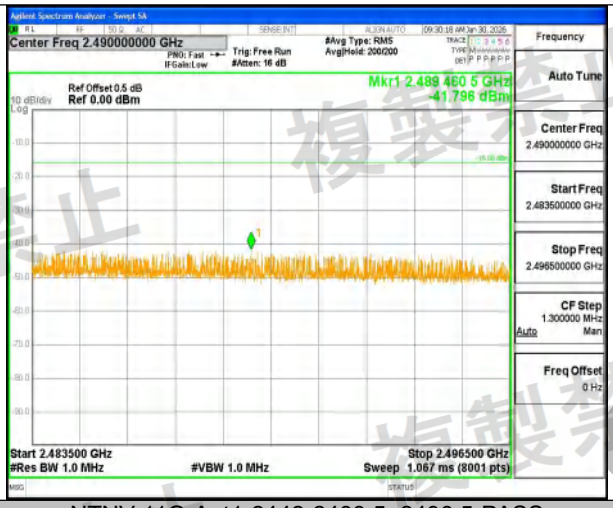
NTNV-11G-Ant1-2412-2496.5~13000-PASS



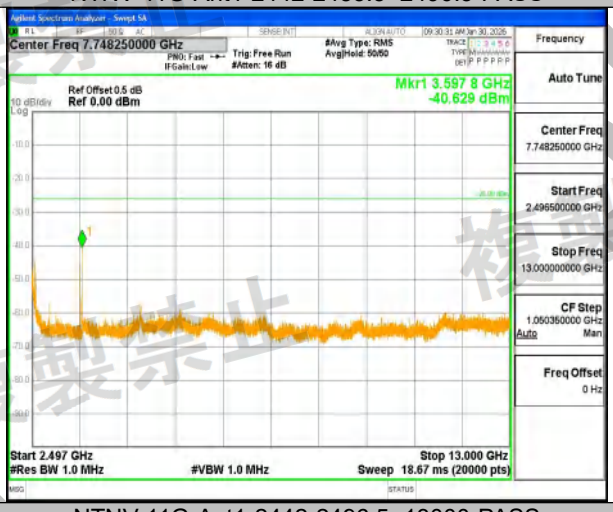
NTNV-11G-Ant1-2442-30~2387-PASS



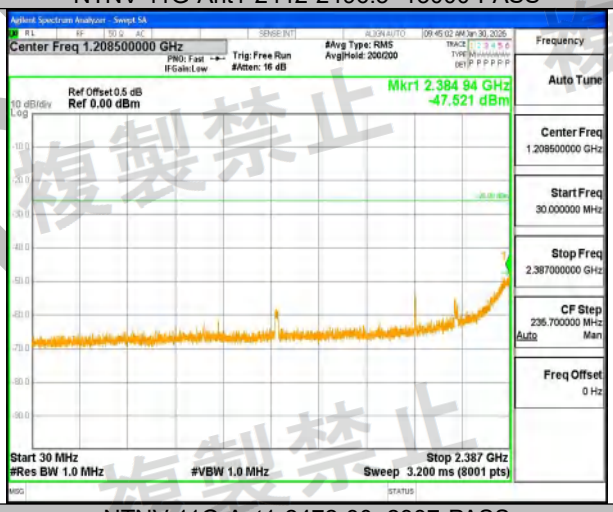
NTNV-11G-Ant1-2442-2387~2400-PASS



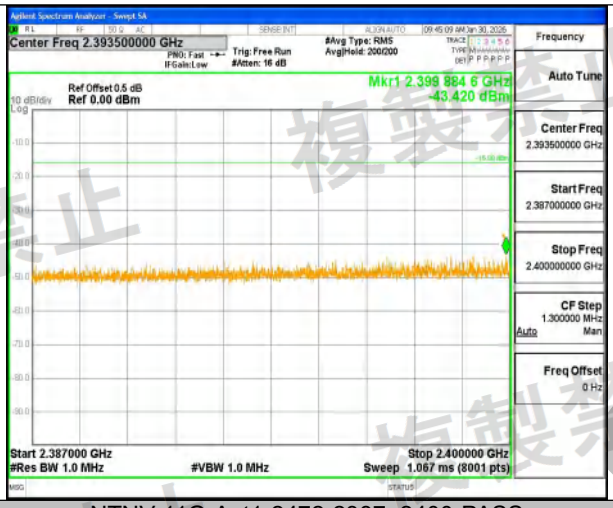
NTNV-11G-Ant1-2442-2483.5~2496.5-PASS



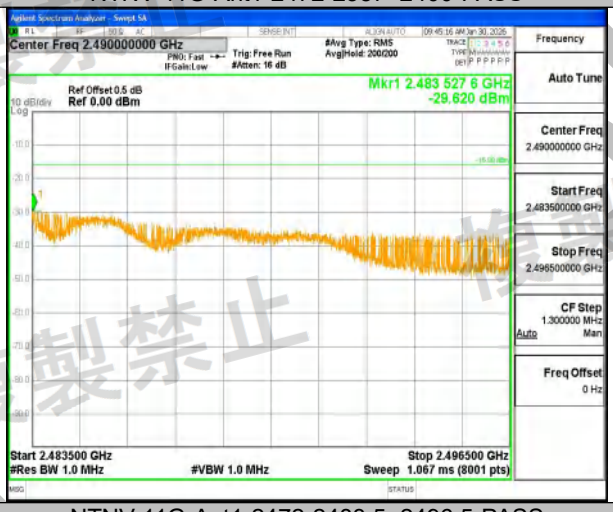
NTNV-11G-Ant1-2442-2496.5~13000-PASS



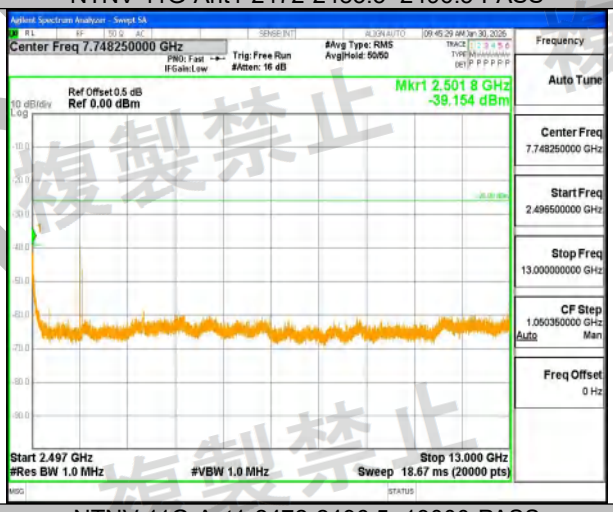
NTNV-11G-Ant1-2472-30~2387-PASS



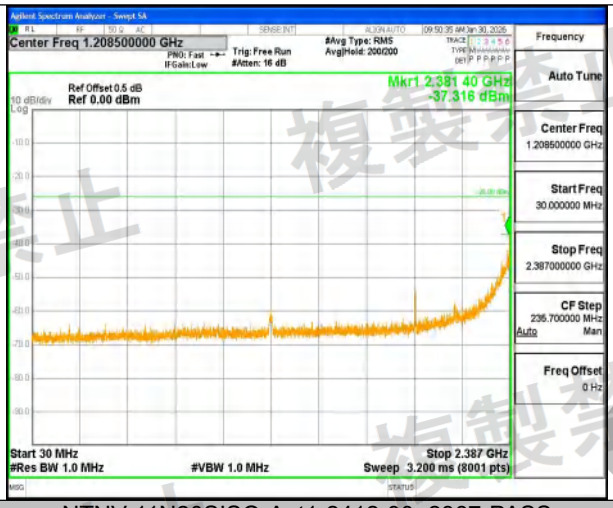
NTNV-11G-Ant1-2472-2387~2400-PASS



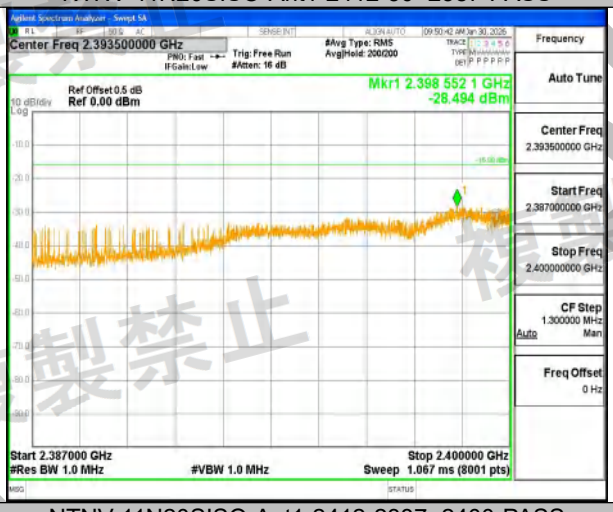
NTNV-11G-Ant1-2472-2483.5~2496.5-PASS



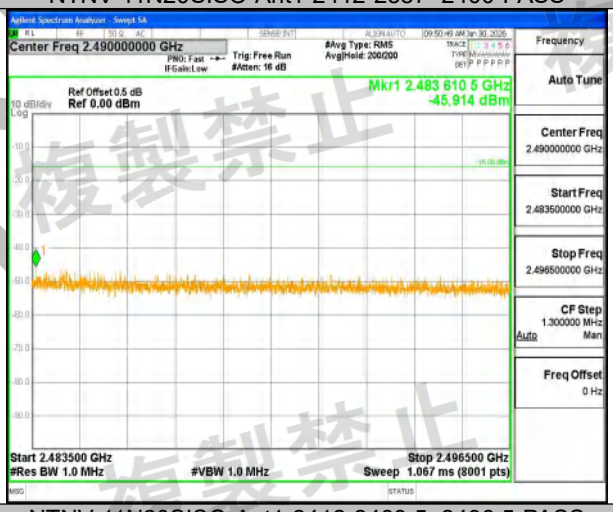
NTNV-11G-Ant1-2472-2496.5~13000-PASS



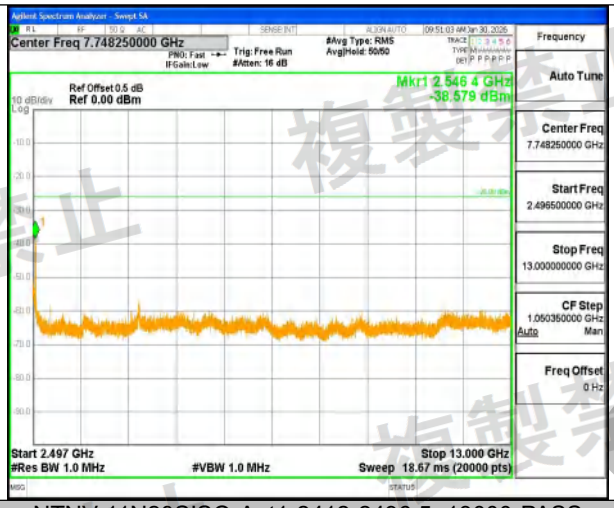
NTNV-11N20SISO-Ant1-2412-30~2387-PASS



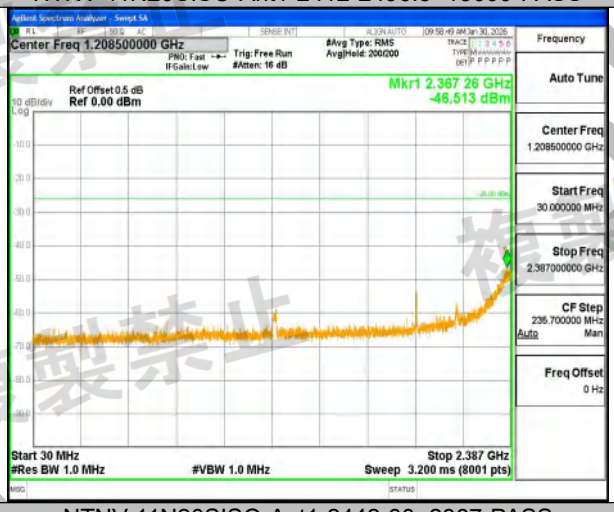
NTNV-11N20SISO-Ant1-2412-2387~2400-PASS



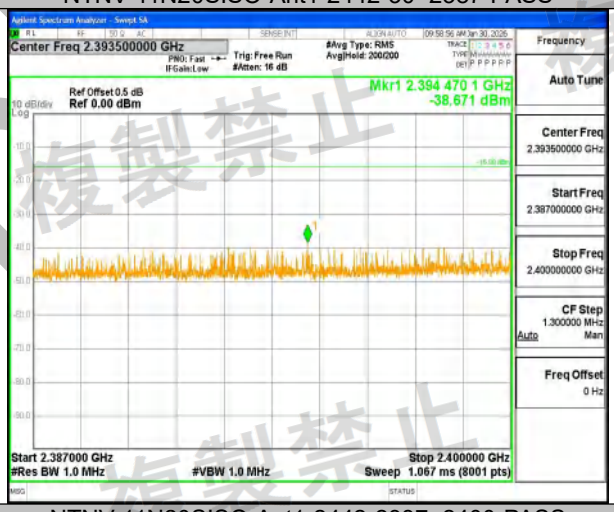
NTNV-11N20SISO-Ant1-2412-2483.5~2496.5-PASS



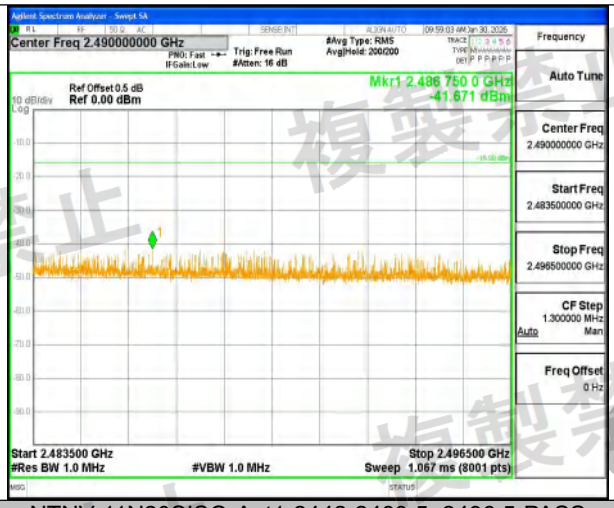
NTNV-11N20SISO-Ant1-2412-2496.5~13000-PASS



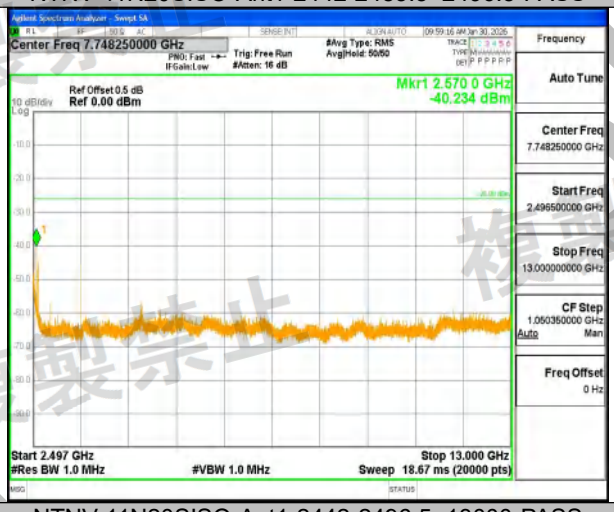
NTNV-11N20SISO-Ant1-2442-30~2387-PASS



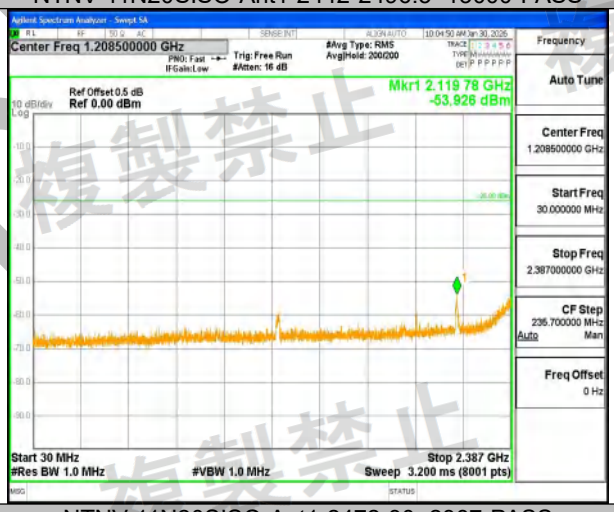
NTNV-11N20SISO-Ant1-2442-2387~2400-PASS



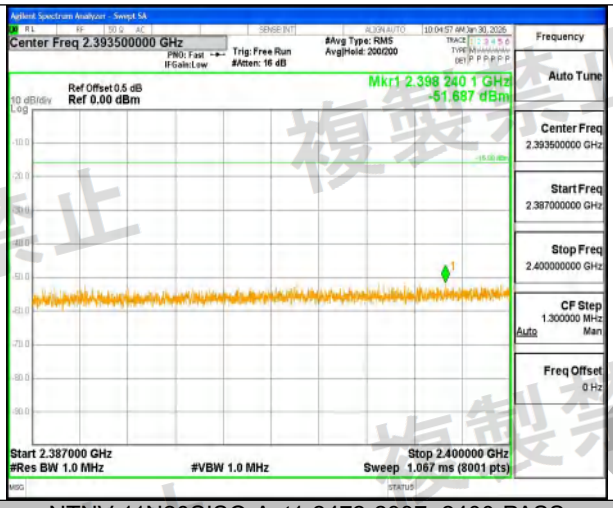
NTNV-11N20SISO-Ant1-2442-2483.5~2496.5-PASS



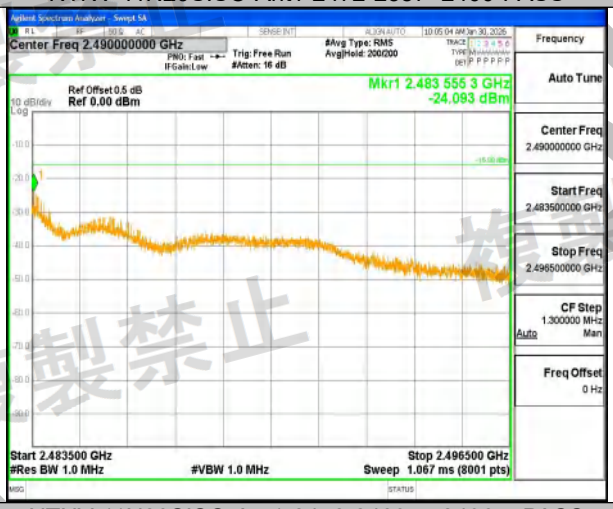
NTNV-11N20SISO-Ant1-2442-2496.5~13000-PASS



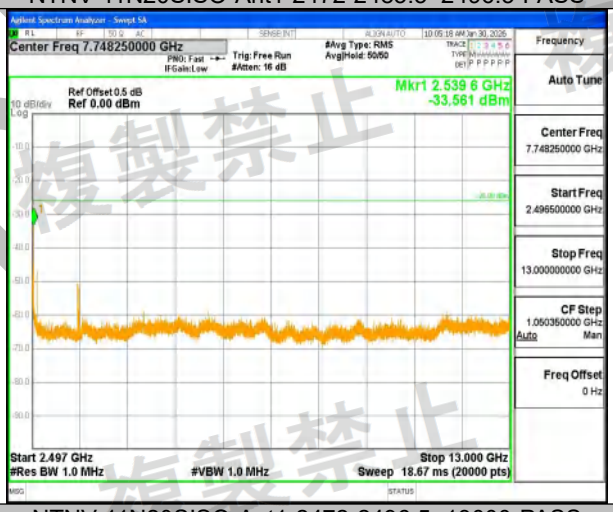
NTNV-11N20SISO-Ant1-2472-30~2387-PASS



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



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

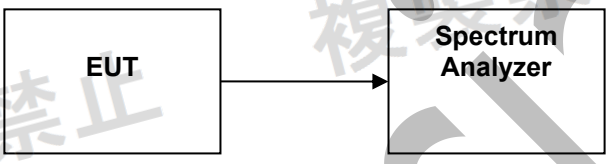


NTNV-11N20SISO-Ant1-2472-2496.5~13000-PASS

Test result: The unit does meet the requirements.

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:	
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 testsignal.
	3. Spectrum Analyzerconditions: 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 (for 2412MHz-2472MHz) 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	640.01	-72.82	<=-54	PASS
				1000~13000	2597.50	-59.90	<=-47	PASS
			2442	30~1000	640.01	-73.14	<=-54	PASS
				1000~13000	6105.10	-69.53	<=-47	PASS
			2472	30~1000	640.01	-73.19	<=-54	PASS
				1000~13000	6105.10	-69.44	<=-47	PASS
	11G	Ant1	2412	30~1000	640.01	-73.17	<=-54	PASS
				1000~13000	3598.10	-68.99	<=-47	PASS
			2442	30~1000	640.01	-73.03	<=-54	PASS
				1000~13000	3598.70	-62.89	<=-47	PASS
			2472	30~1000	640.01	-73.22	<=-54	PASS
				1000~13000	3556.10	-68.16	<=-47	PASS
	11N20SISO	Ant1	2412	30~1000	640.01	-73.05	<=-54	PASS
				1000~13000	6105.70	-69.26	<=-47	PASS
			2442	30~1000	640.01	-73.21	<=-54	PASS
				1000~13000	6105.10	-69.27	<=-47	PASS
			2472	30~1000	640.01	-73.11	<=-54	PASS
				1000~13000	3598.70	-60.22	<=-47	PASS

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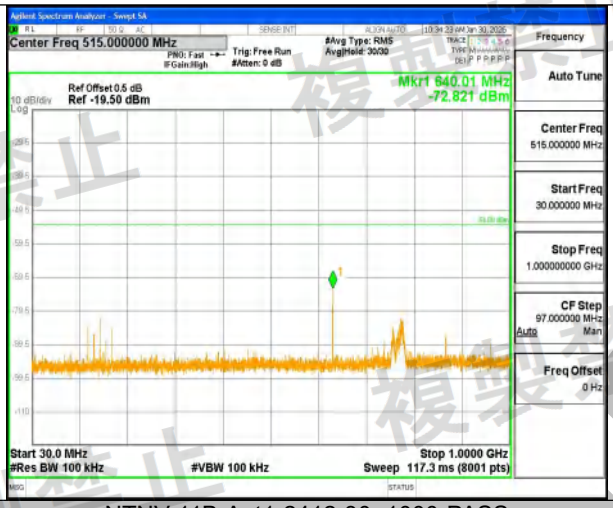
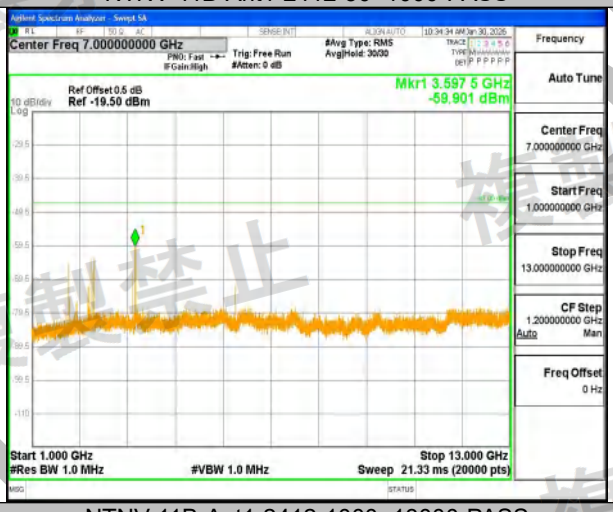
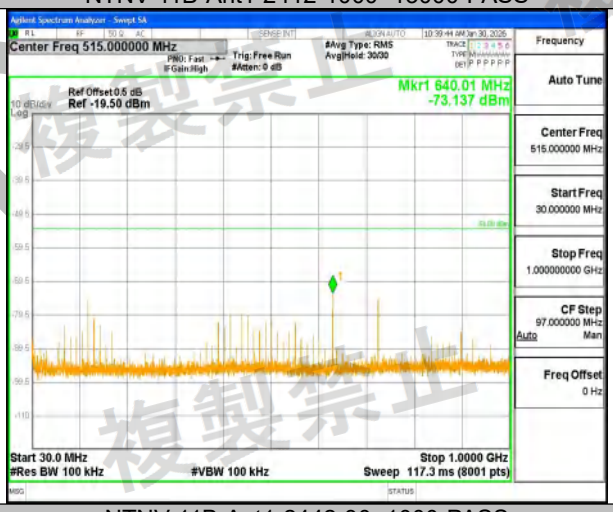
9.1.2 Test Graphs



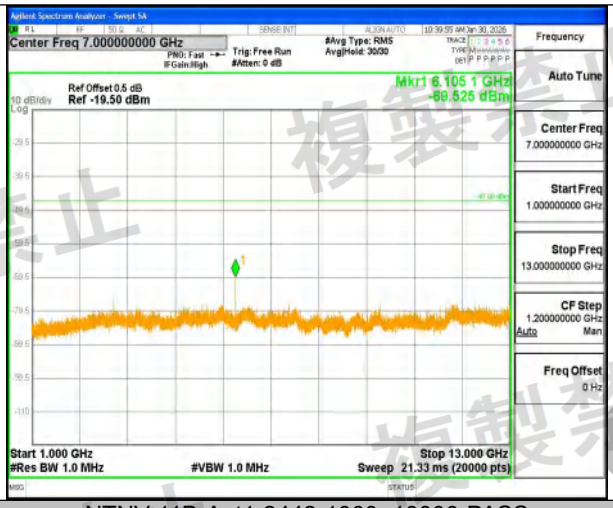
NTNV-11B-Ant1-2412-30~1000-PASS



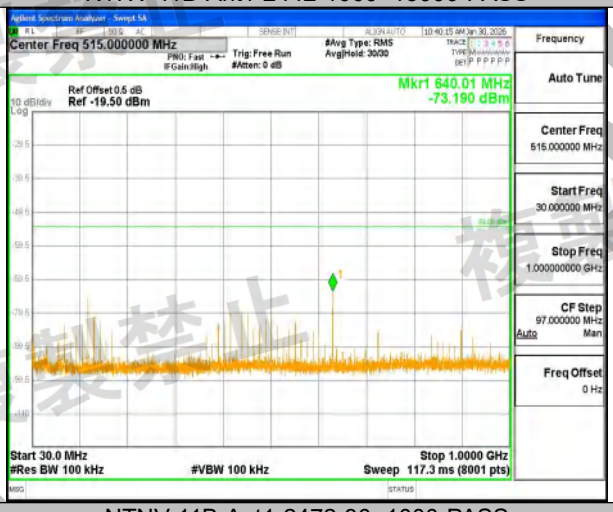
NTNV-11B-Ant1-2412-1000~13000-PASS



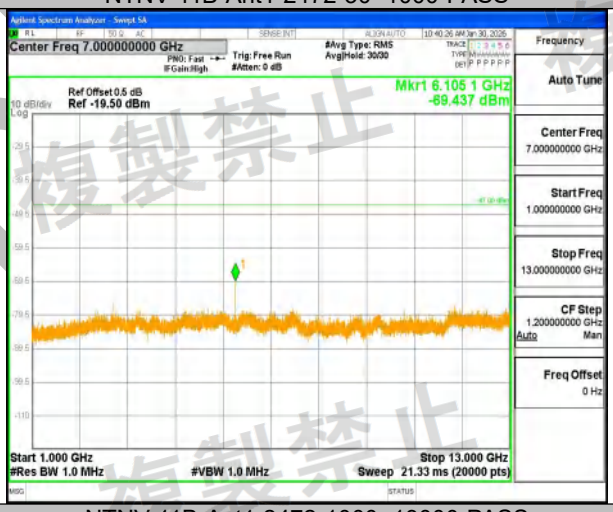
NTNV-11B-Ant1-2442-30~1000-PASS



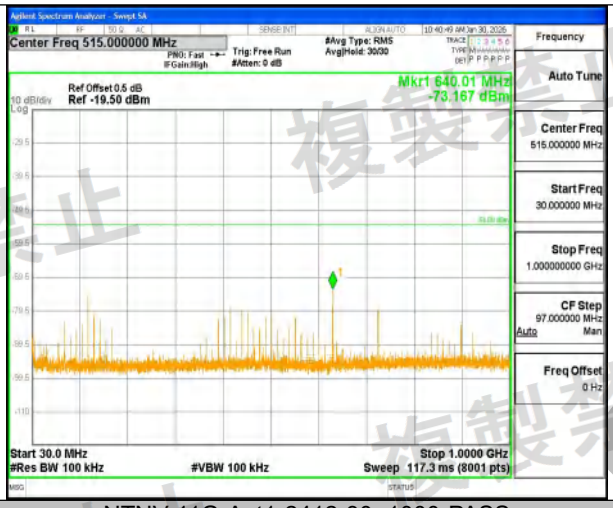
NTNV-11B-Ant1-2442-1000~13000-PASS



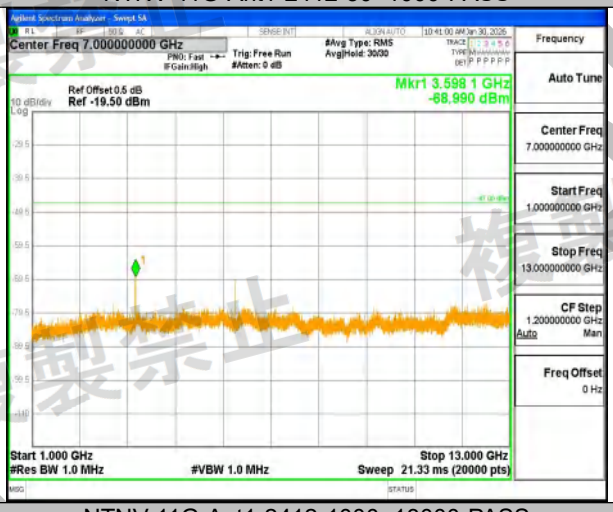
NTNV-11B-Ant1-2472-30~1000-PASS



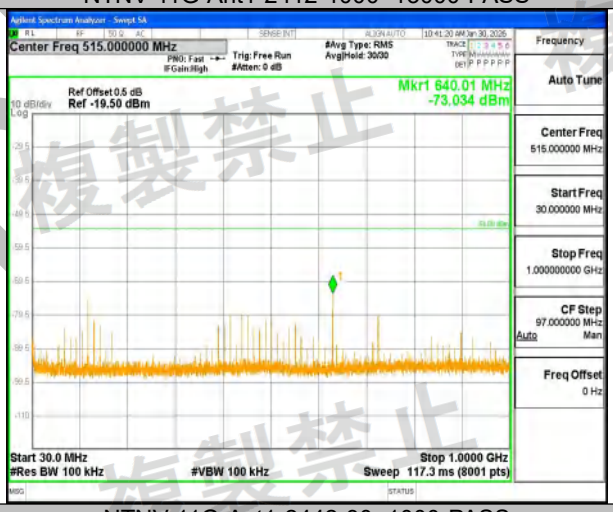
NTNV-11B-Ant1-2472-1000~13000-PASS



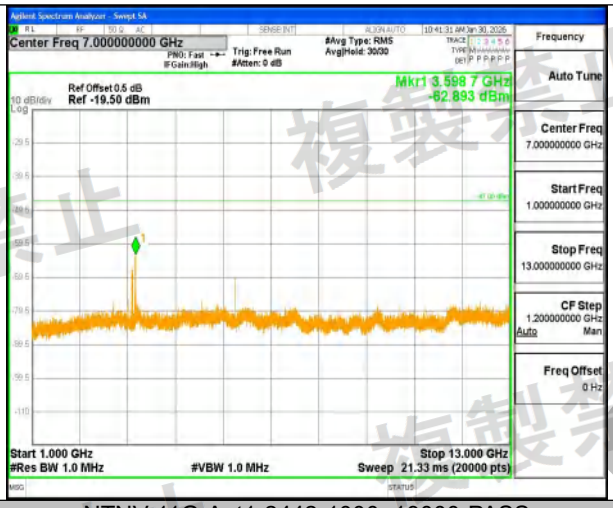
NTNV-11G-Ant1-2412-30~1000-PASS



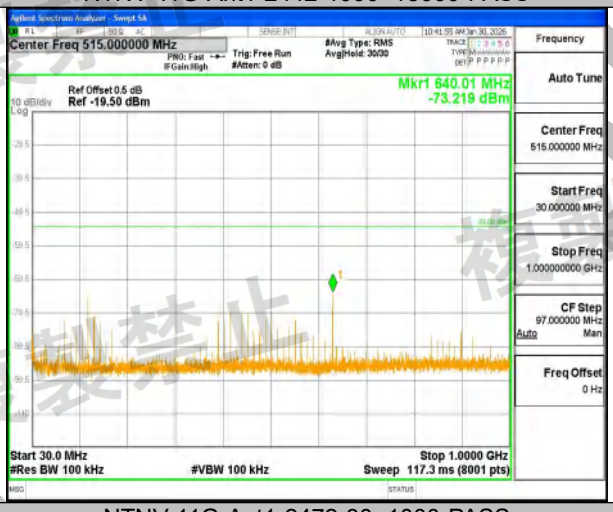
NTNV-11G-Ant1-2412-1000~13000-PASS



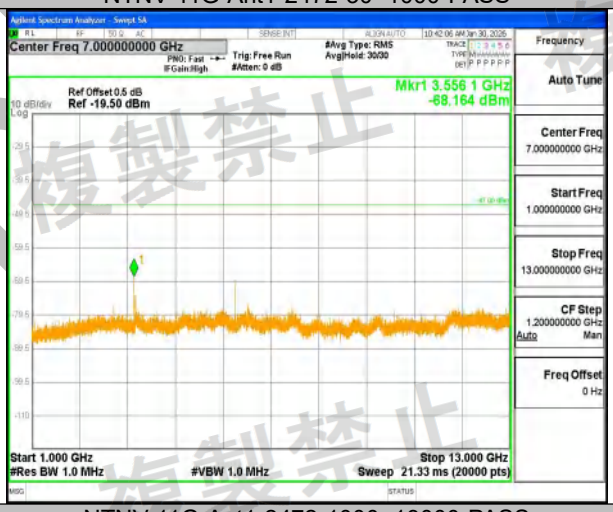
NTNV-11G-Ant1-2442-30~1000-PASS



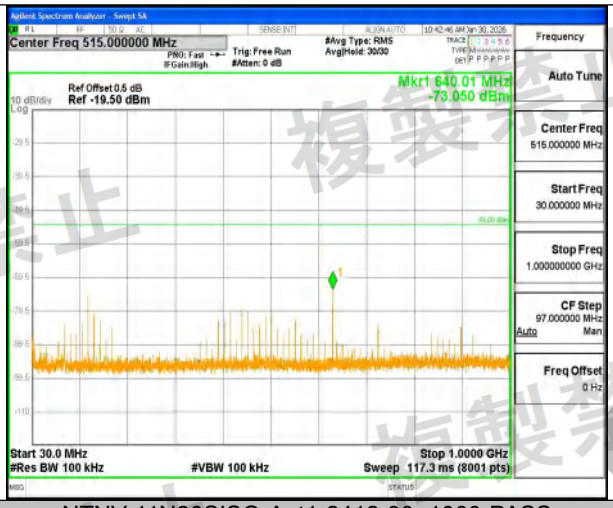
NTNV-11G-Ant1-2442-1000~13000-PASS



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



NTNV-11G-Ant1-2472-1000~13000-PASS



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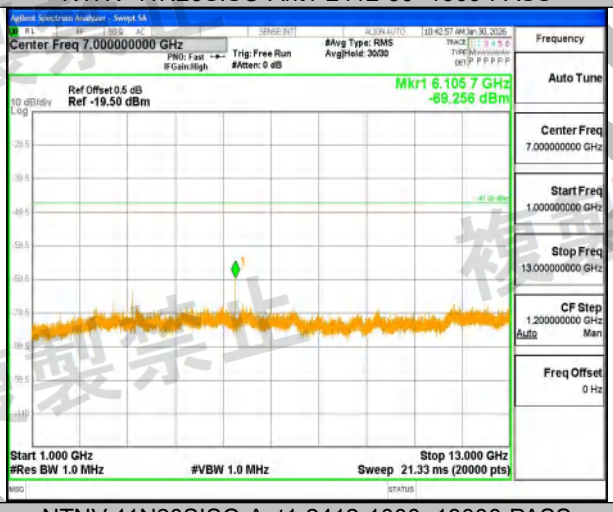

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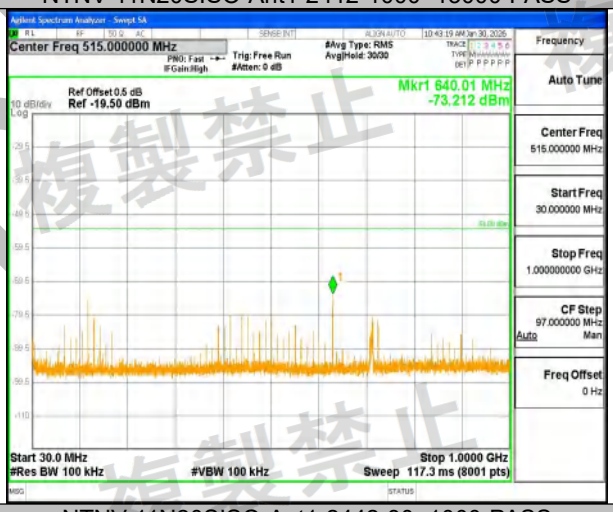

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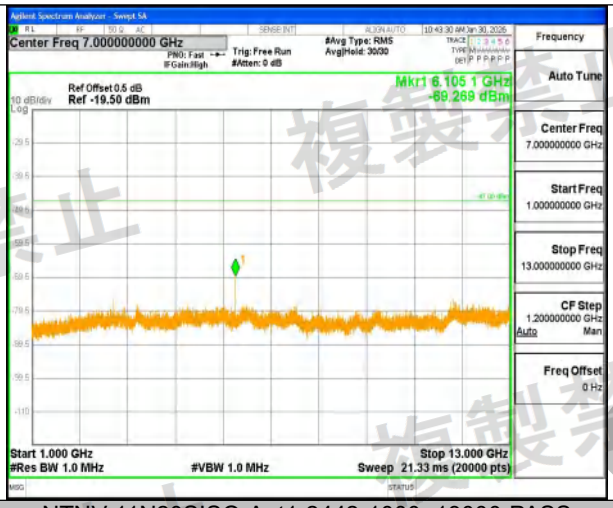

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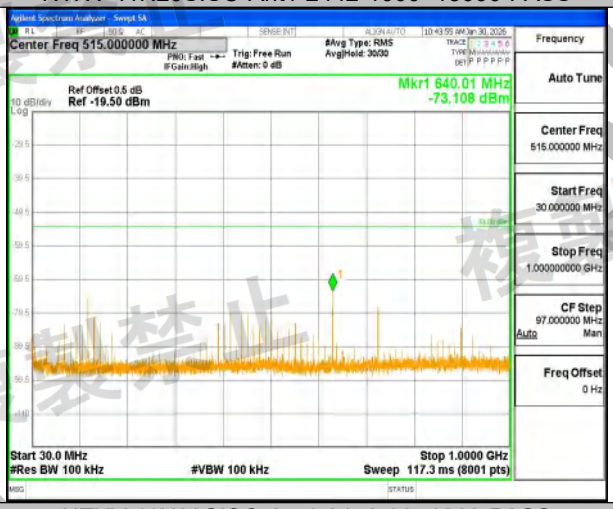
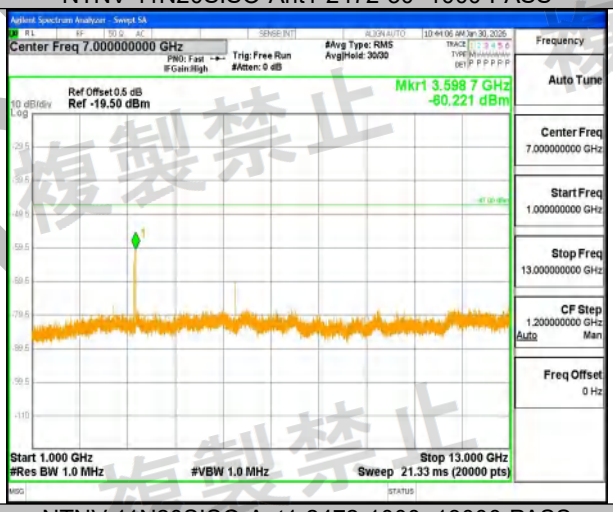


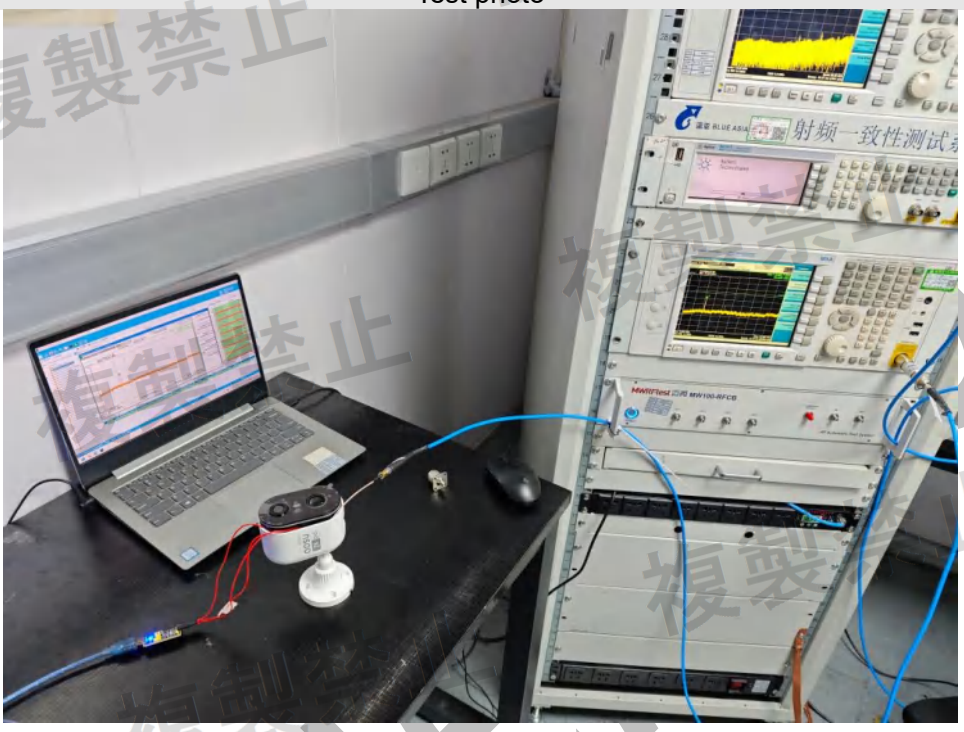
NTNV-11N20SISO-Ant1-2472-30~1000-PASS



NTNV-11N20SISO-Ant1-2472-1000~13000-PASS

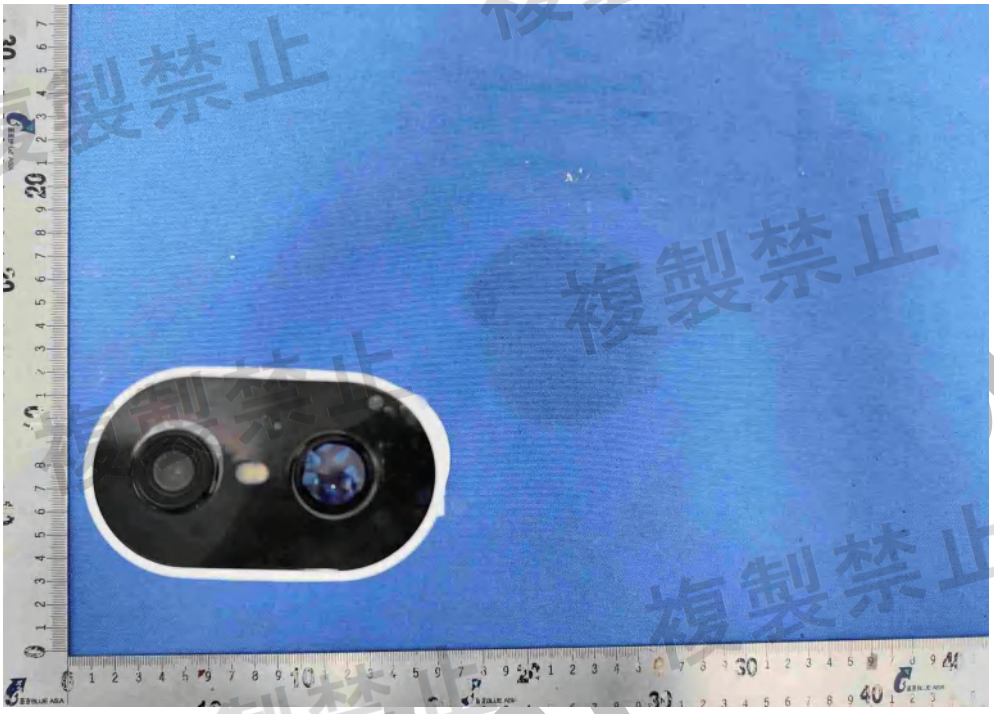
Appendix A: photographs of test setup

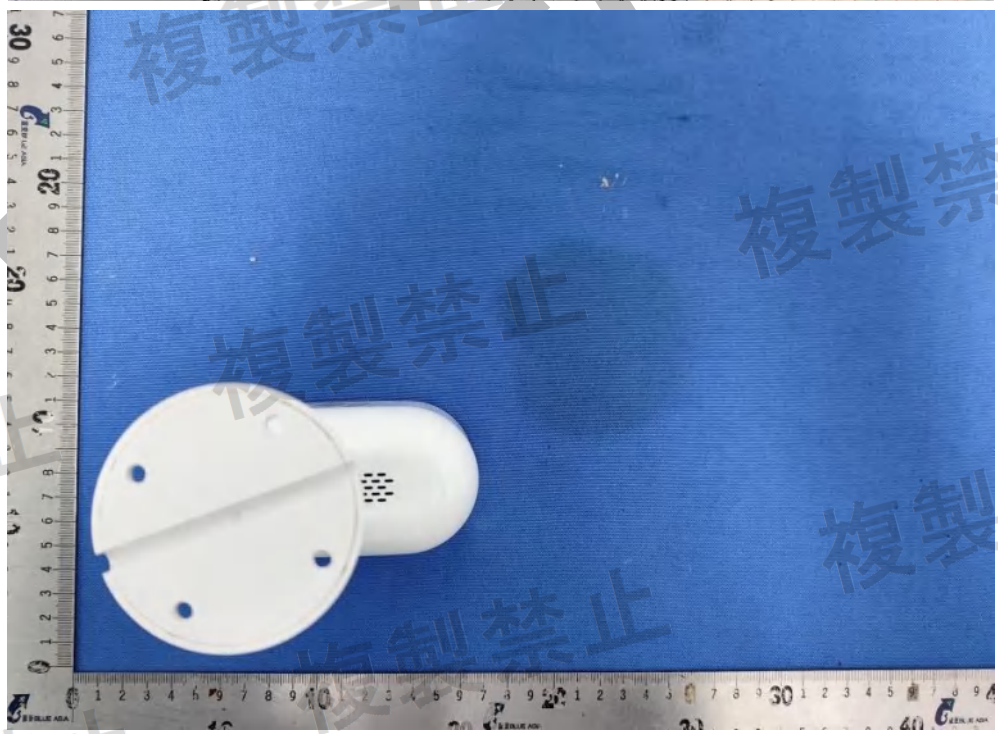
Test photo

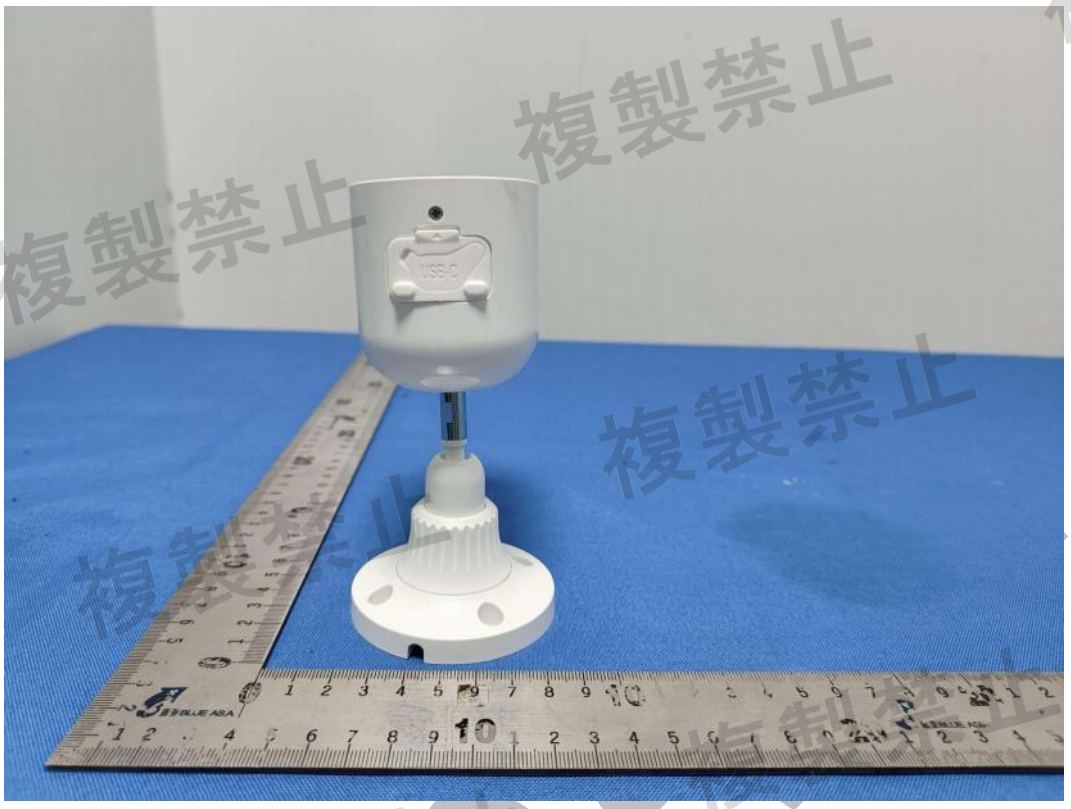


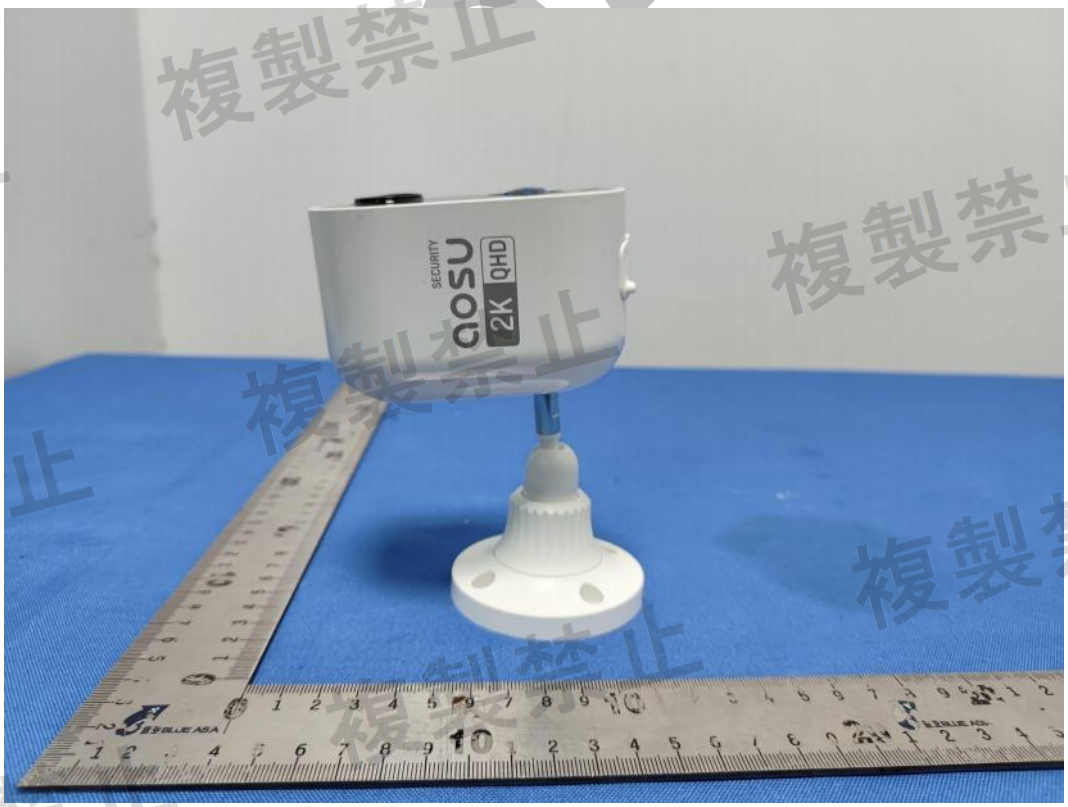
Appendix B: photographs of EUT

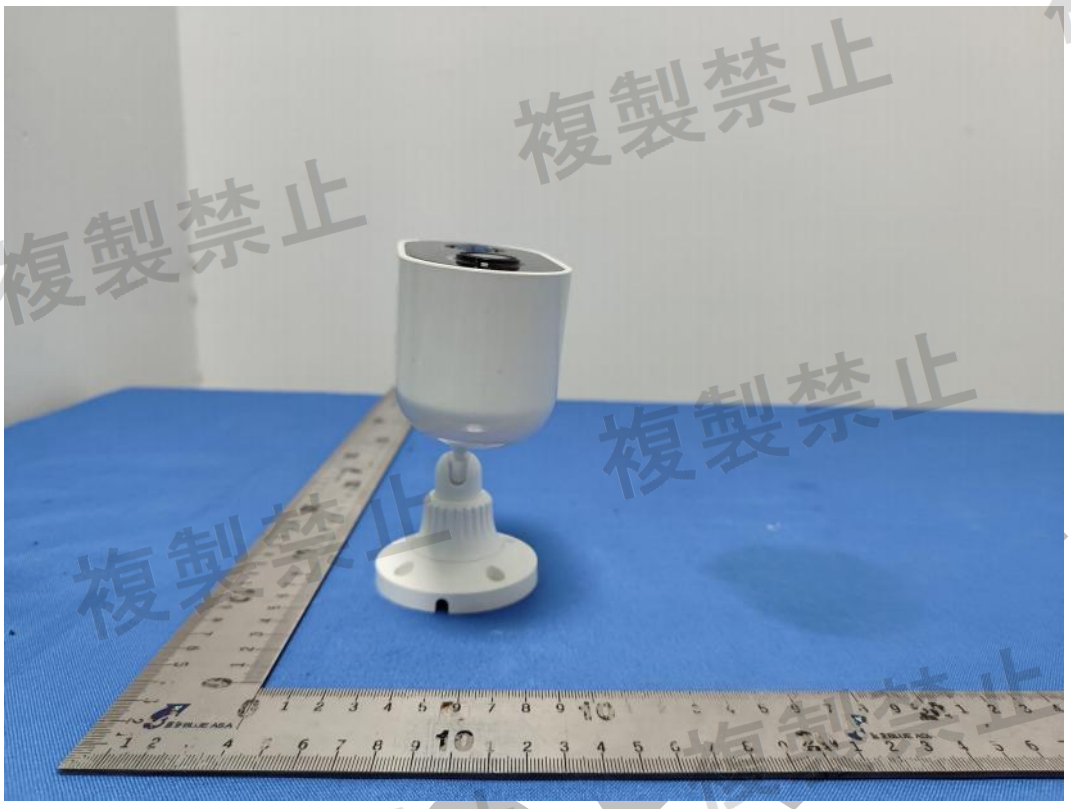
C6 Series model

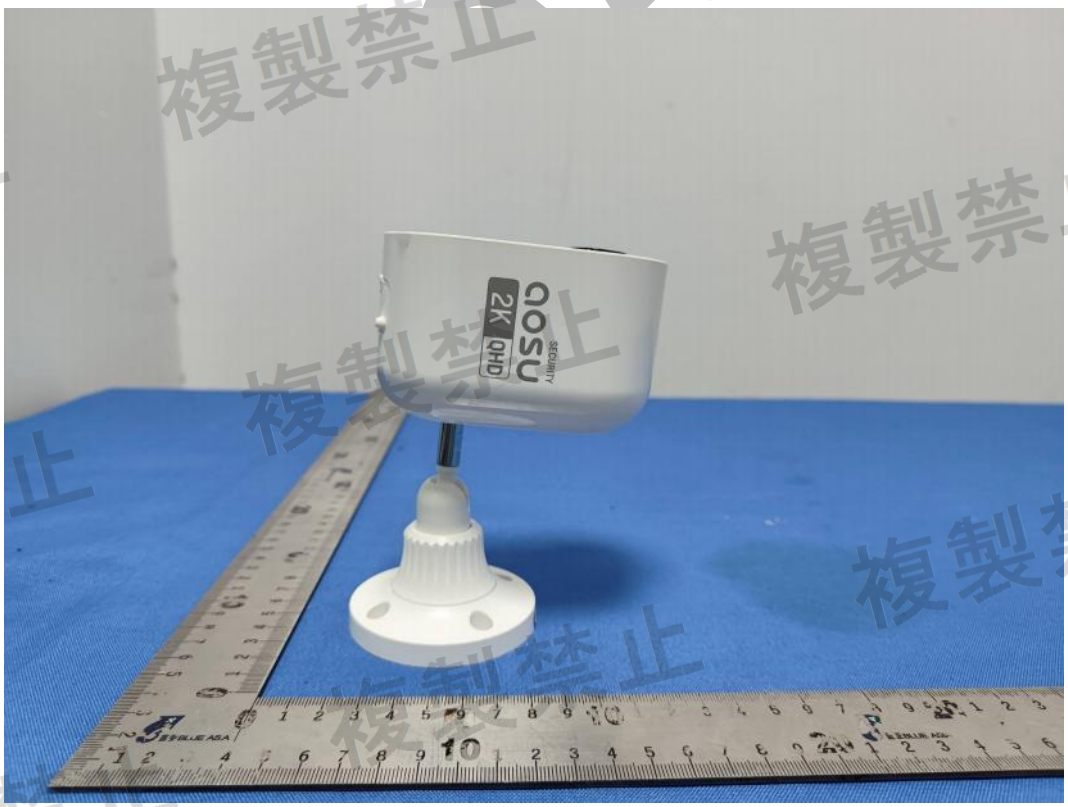




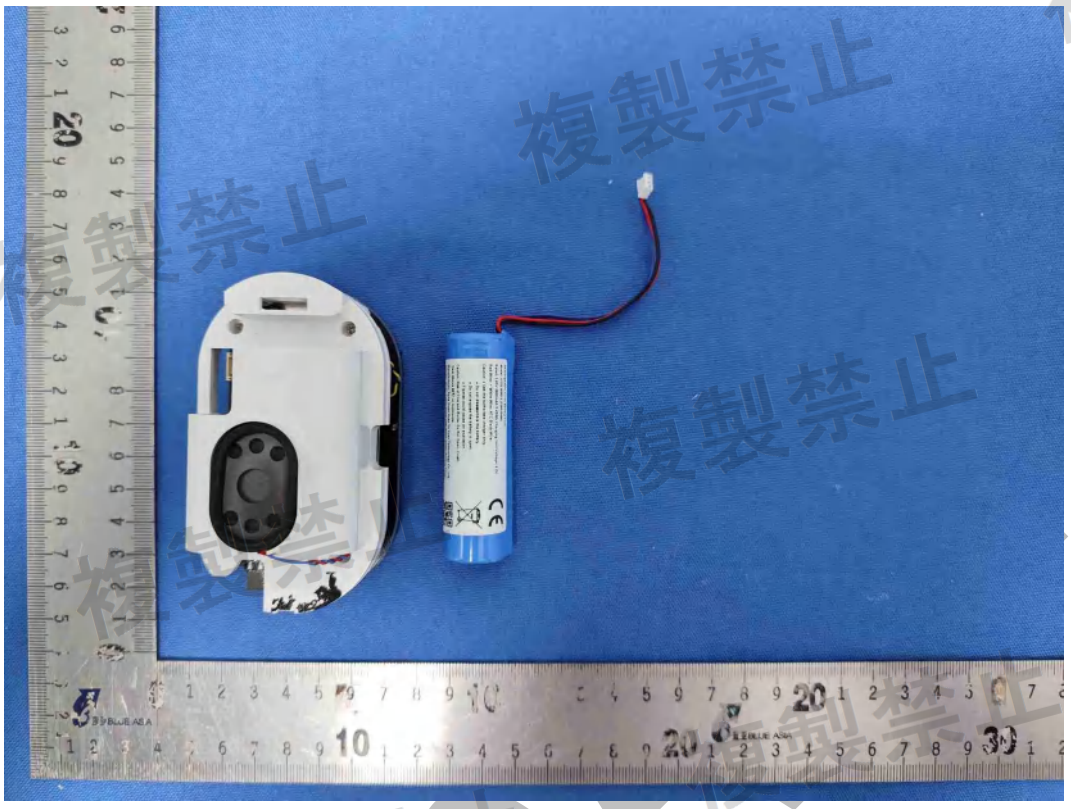


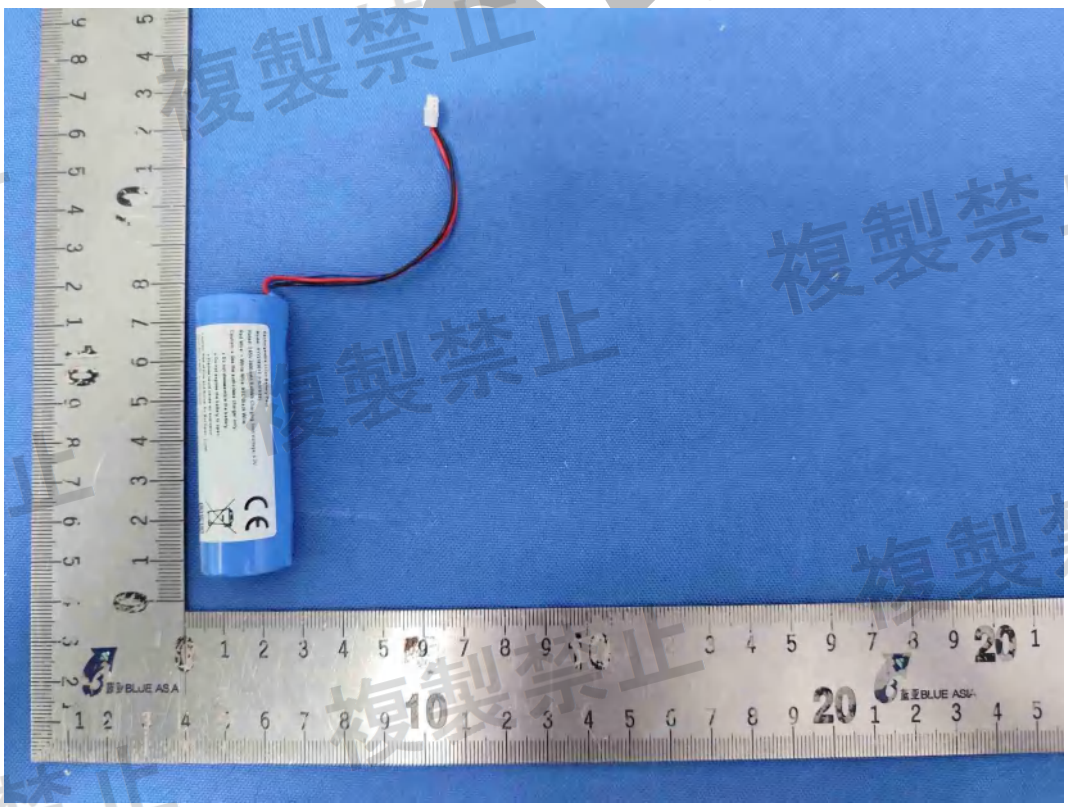

SECURITY
aosu
2K QHD



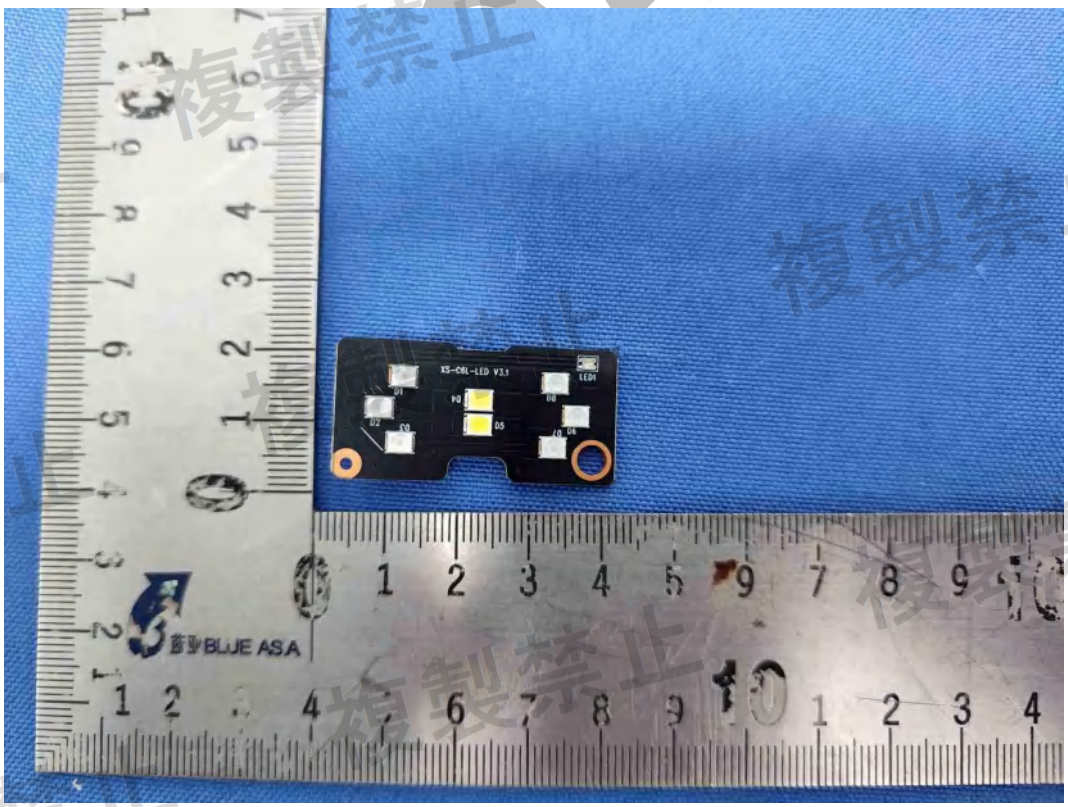

2K
QHD

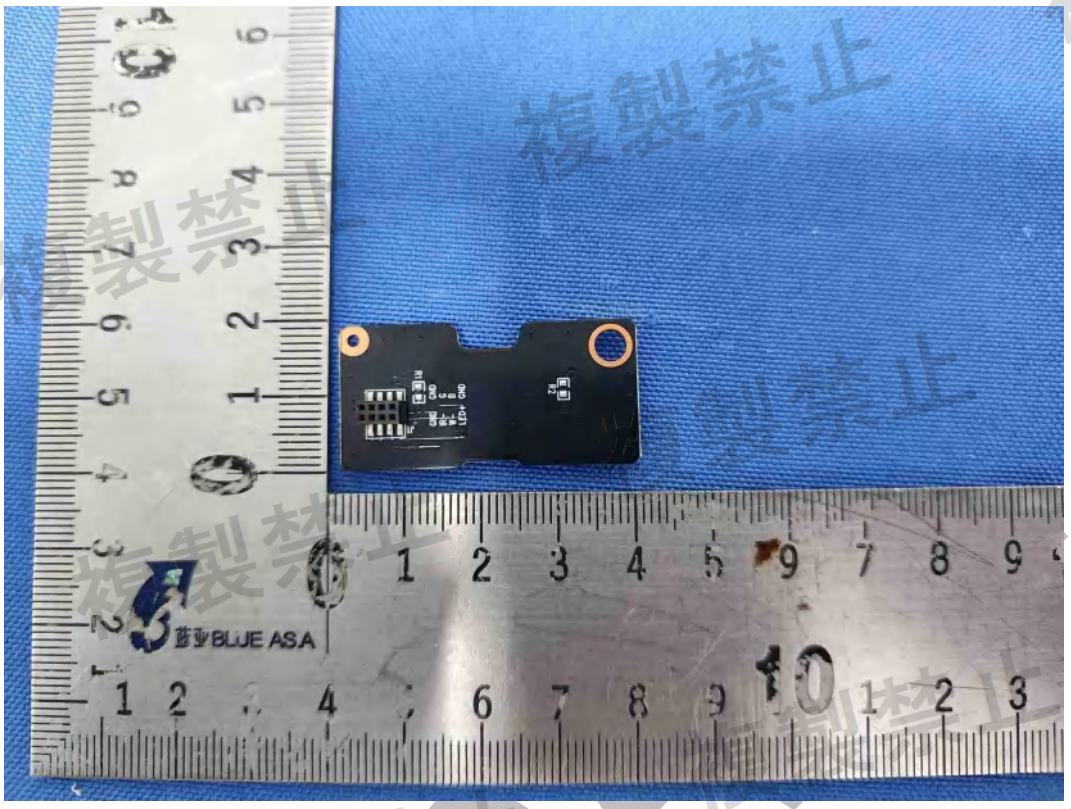
SECURITY
aosu
2K QHD

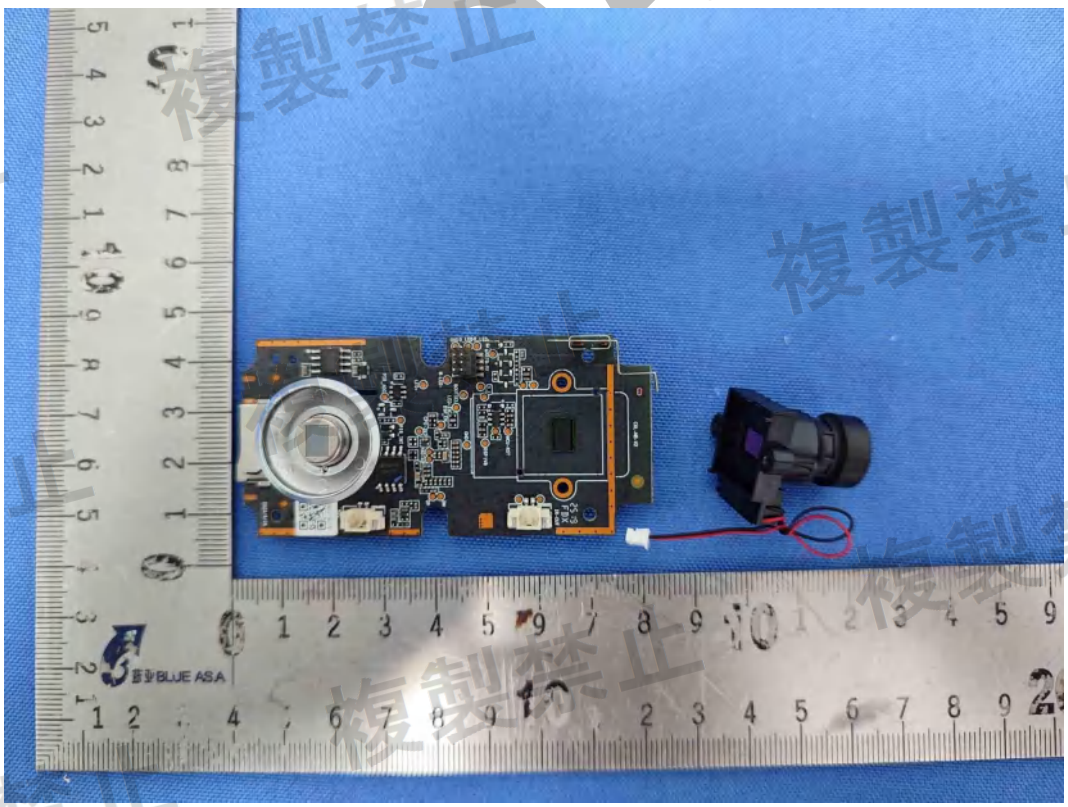


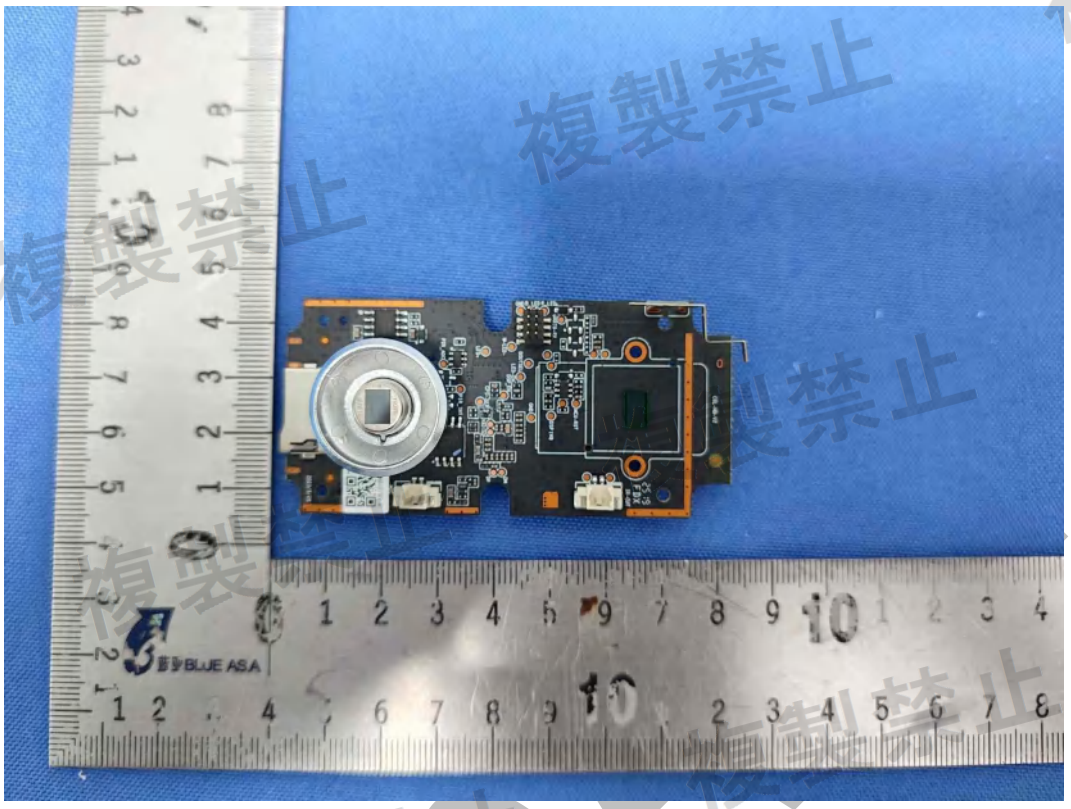


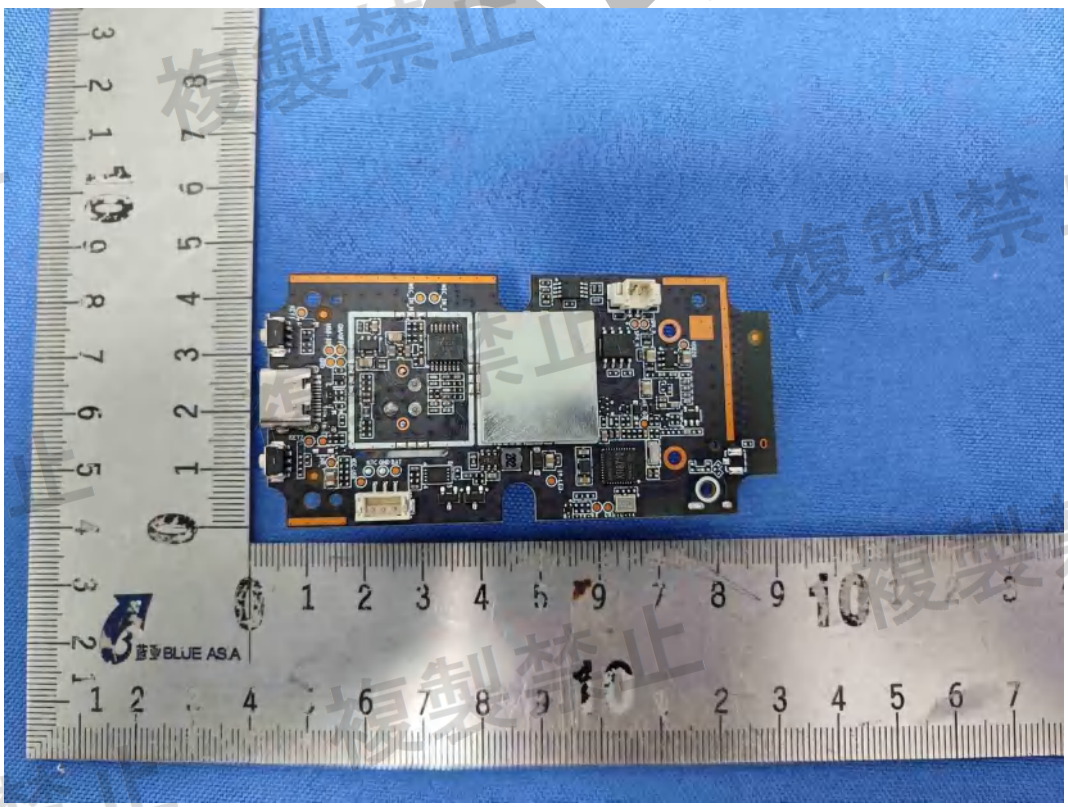
Rechargeable Li-ion Battery Pack
Model: HYY2183013 (1INR19/66)
Rated: 3.65V 2600mAh 9.49Wh Charging limit Voltage: 4.2V
Red Wire: + White Wire: NTC Black Wire: -
Caution: • Use the authorized charger only.
• Do not disassemble the battery.
• Do not expose the battery to open.
• Flames could cause an explosion.
Caution: Risk of Fire and Burns. Do Not Open, Crush.

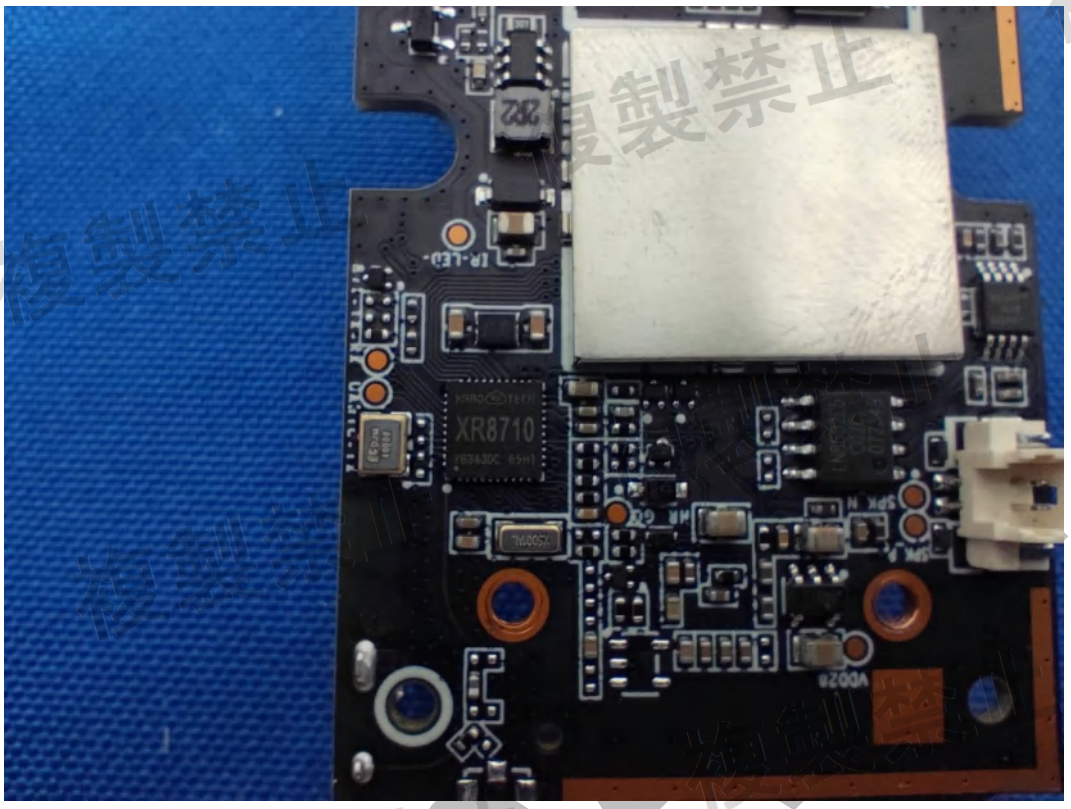








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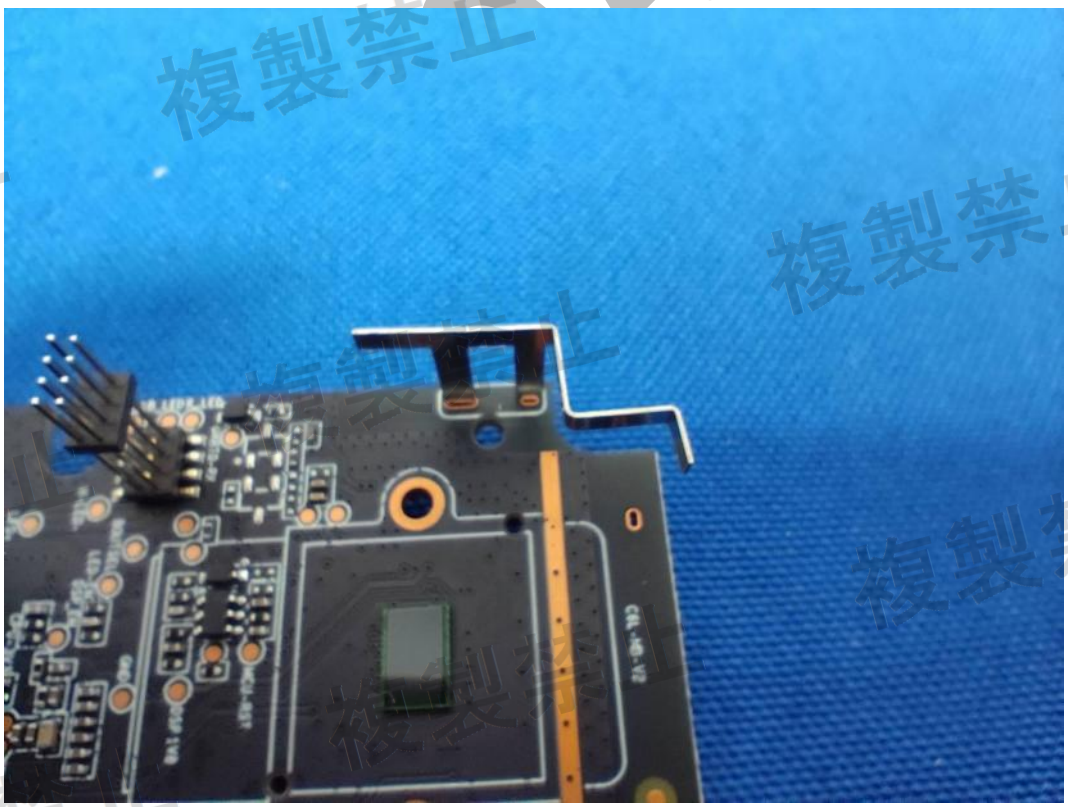

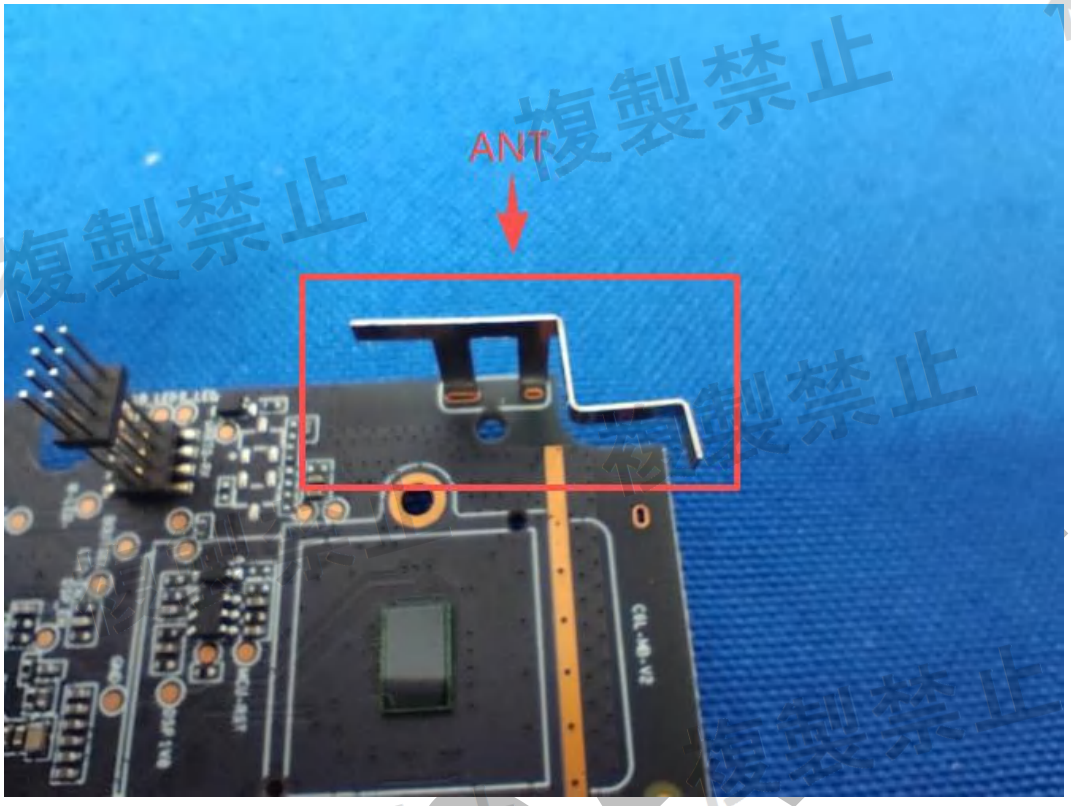
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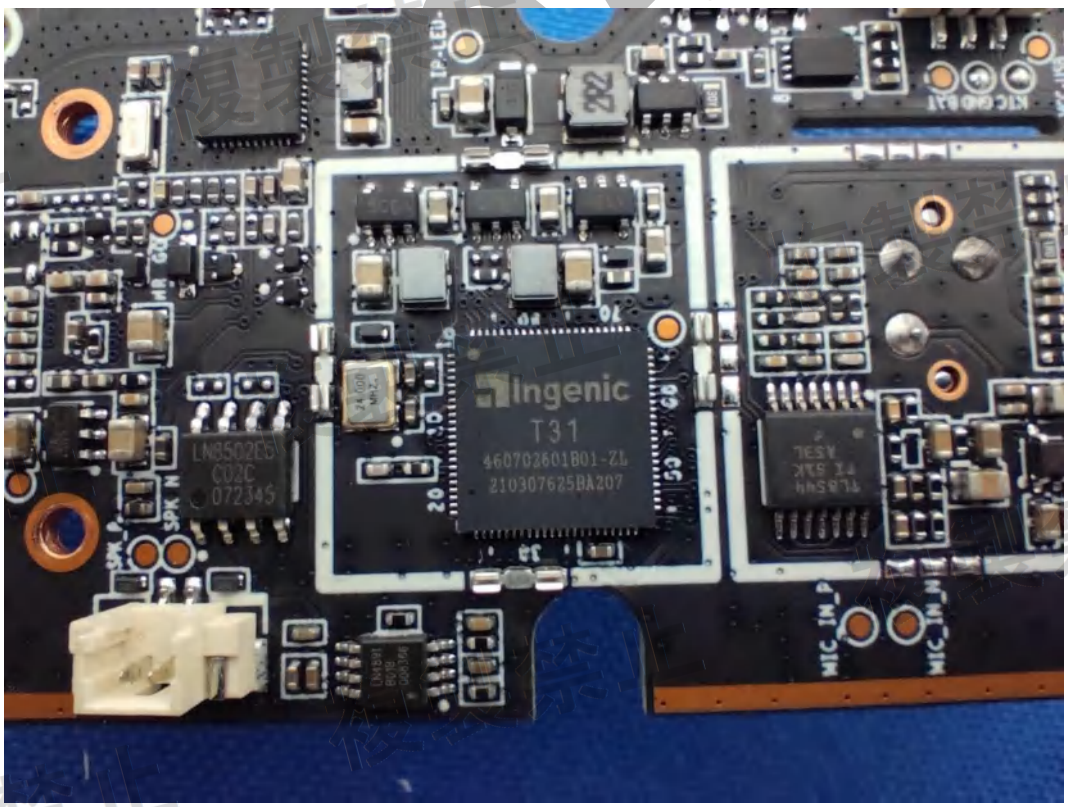
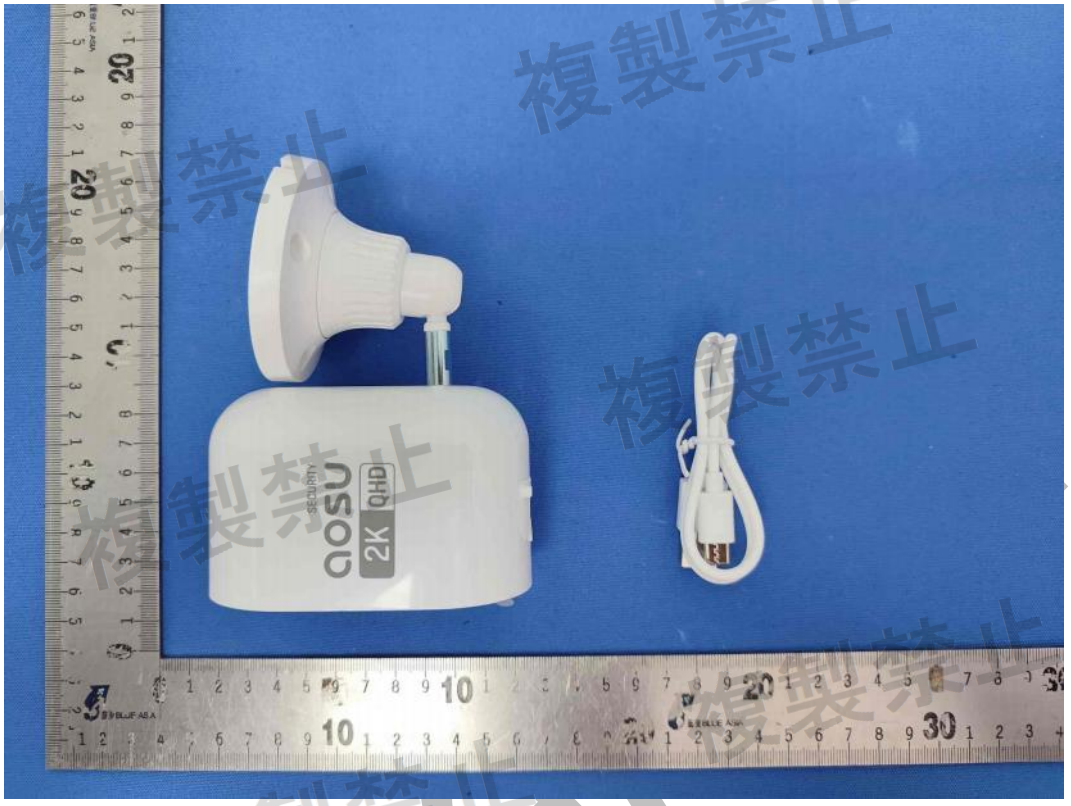
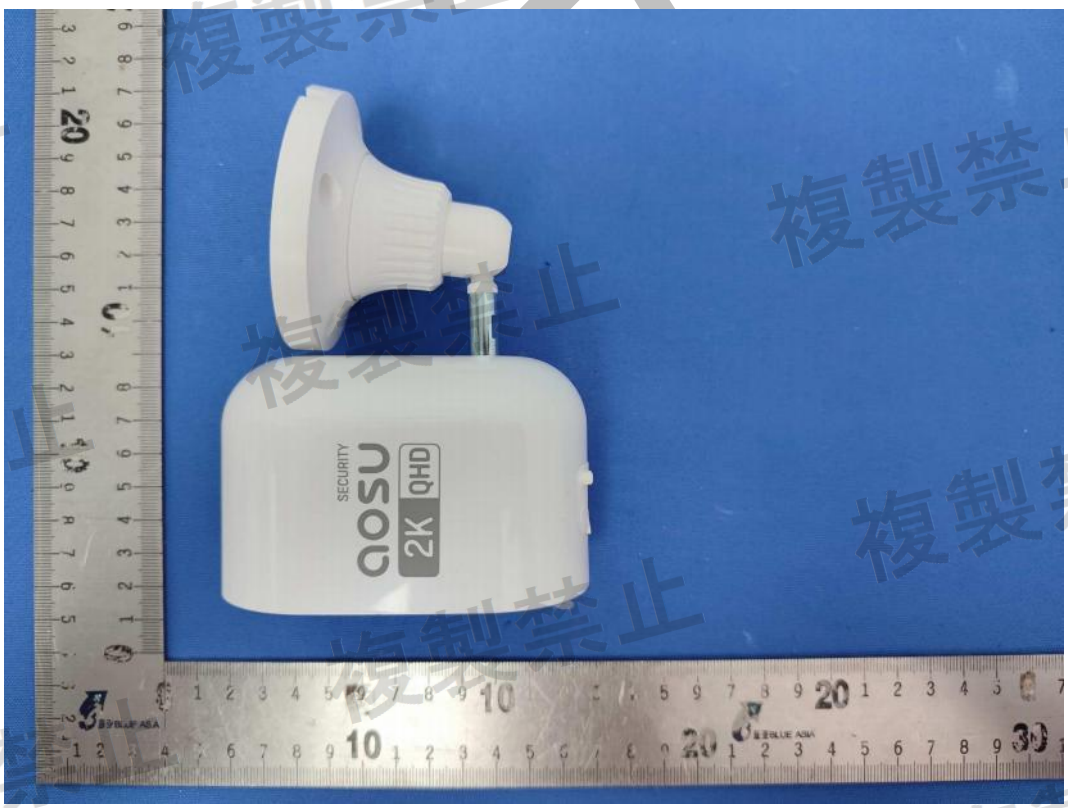

ingenic
T31
MIC_IN_P
MIC_IN_N

C7 Series model





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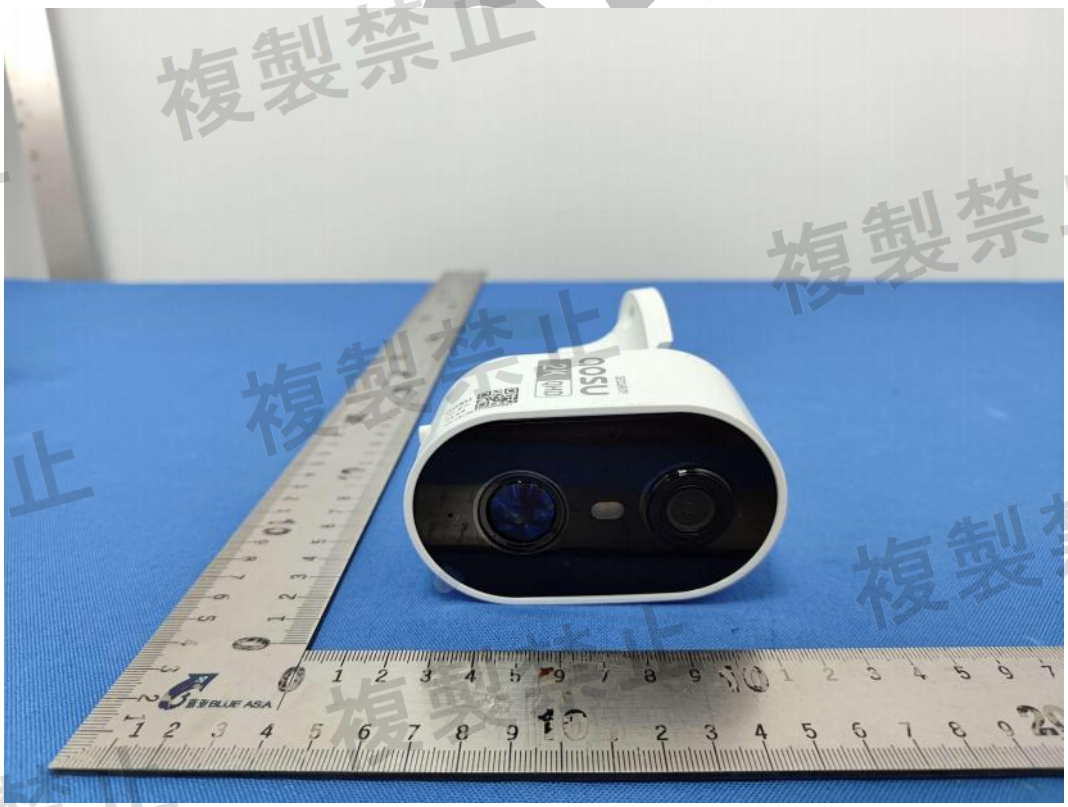
SECURITY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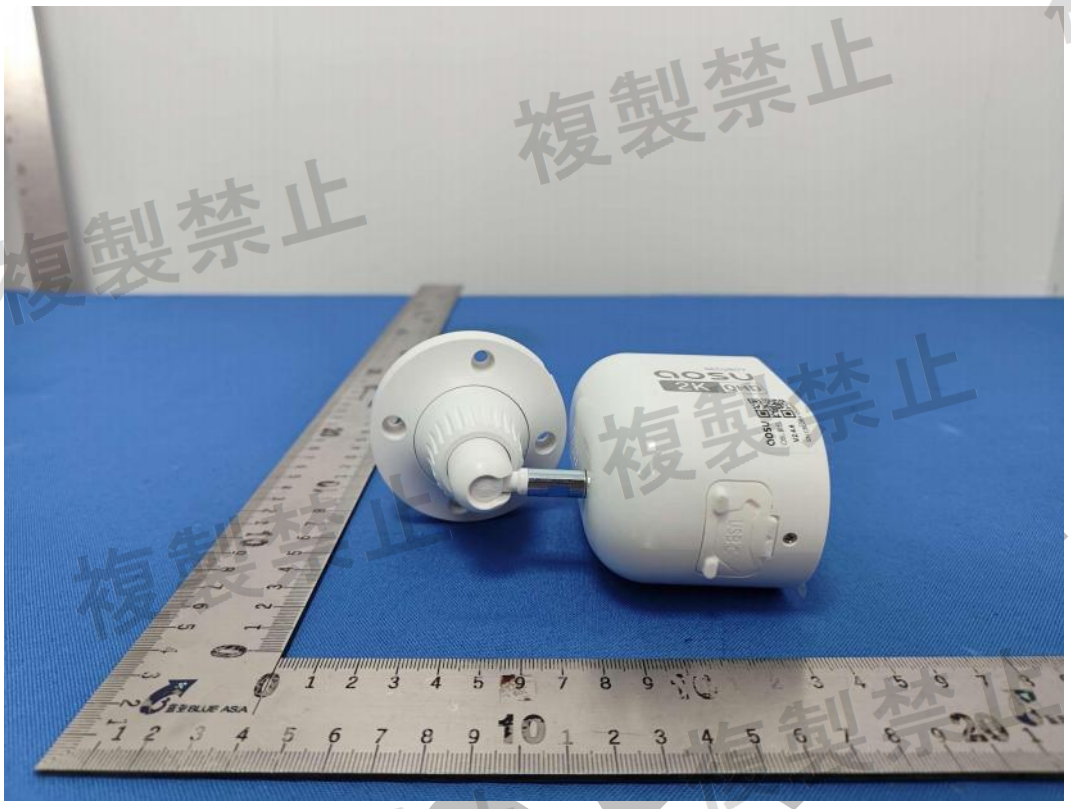

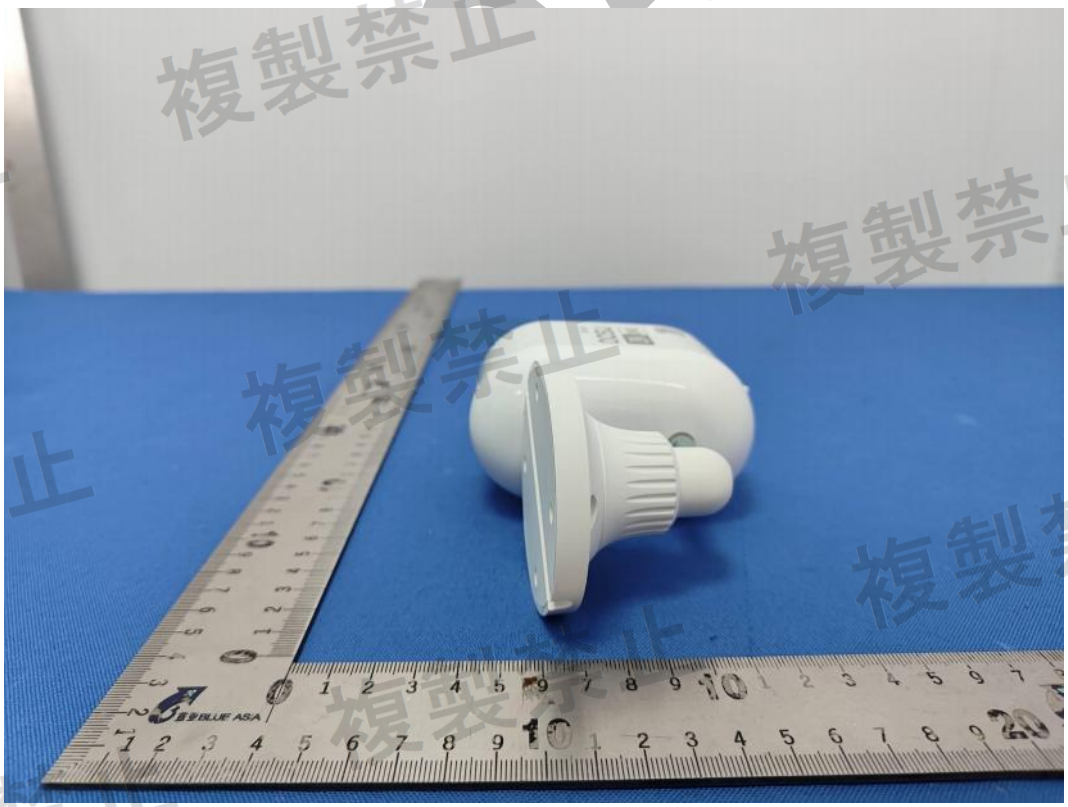

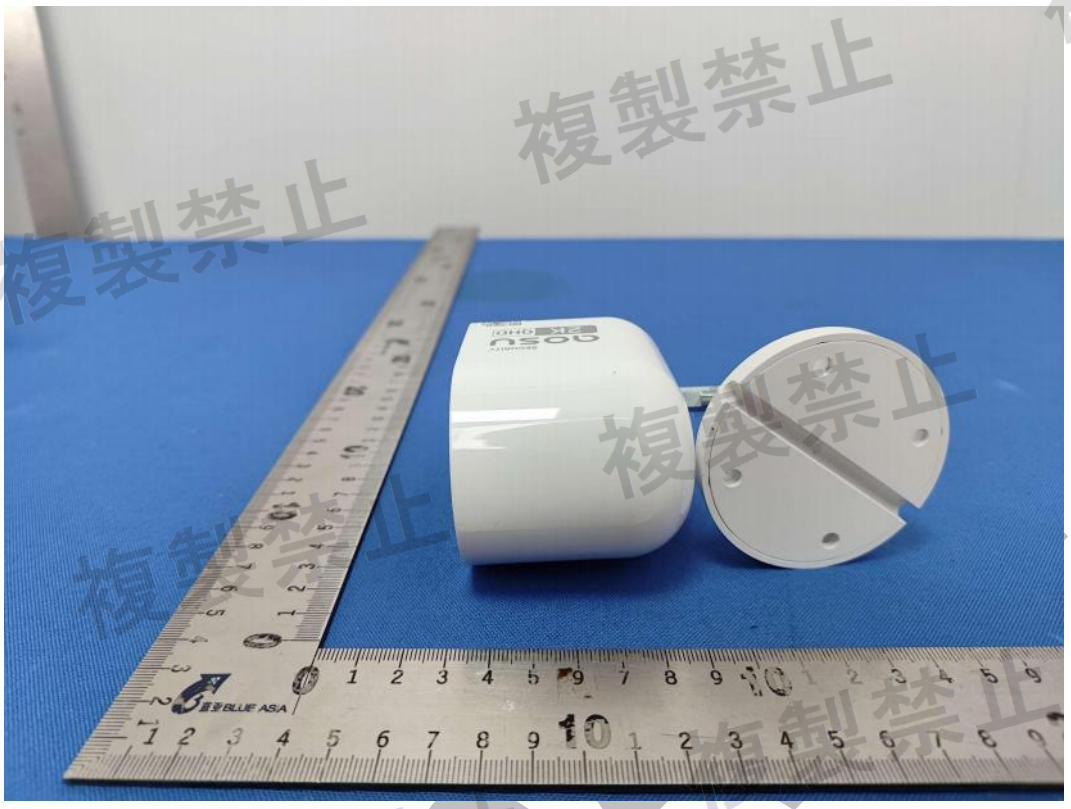

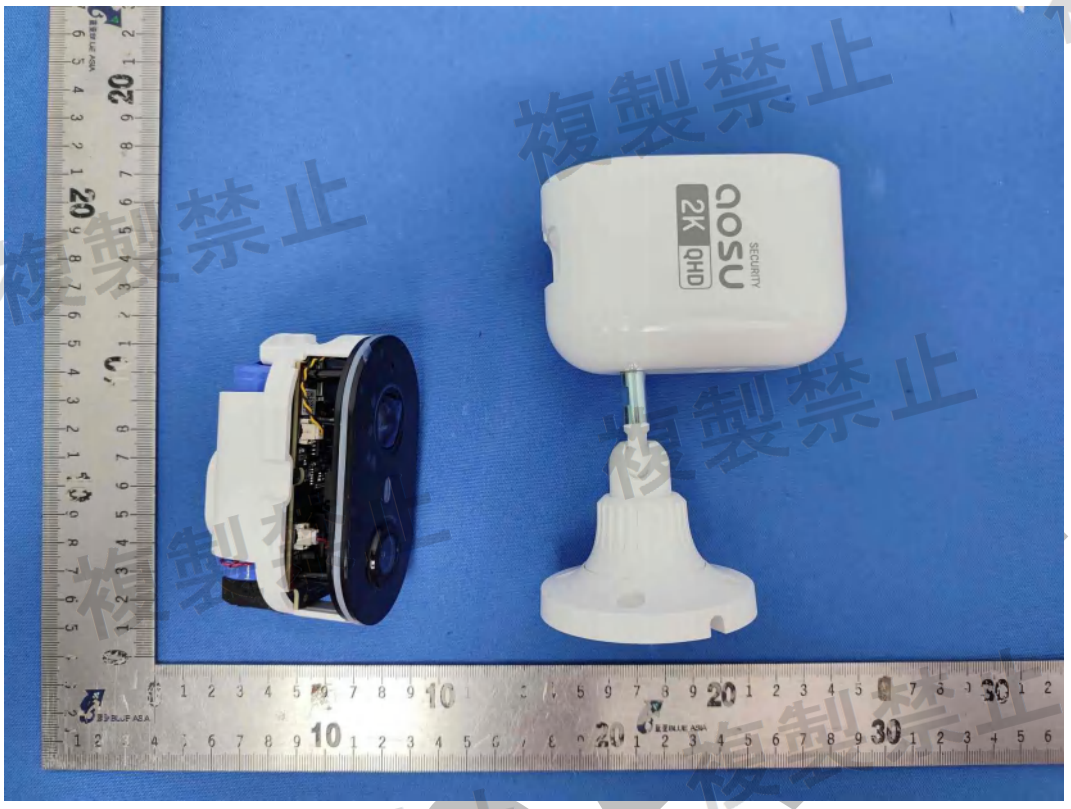
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SECURITY
2K
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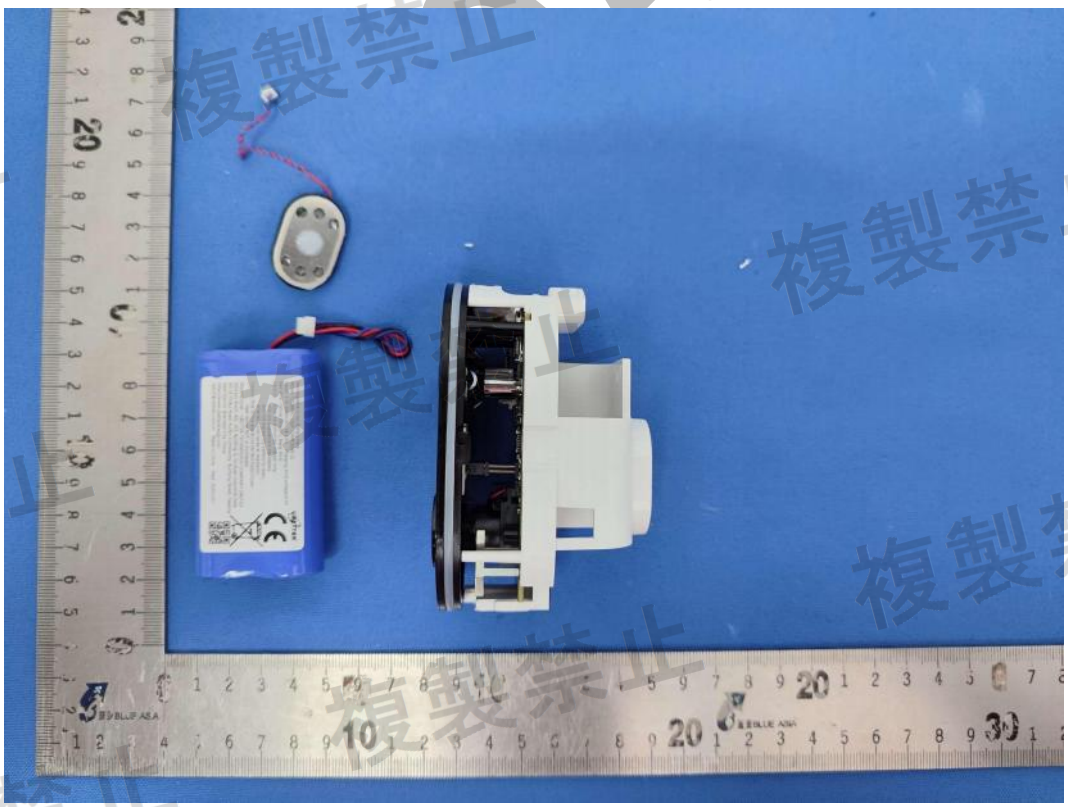
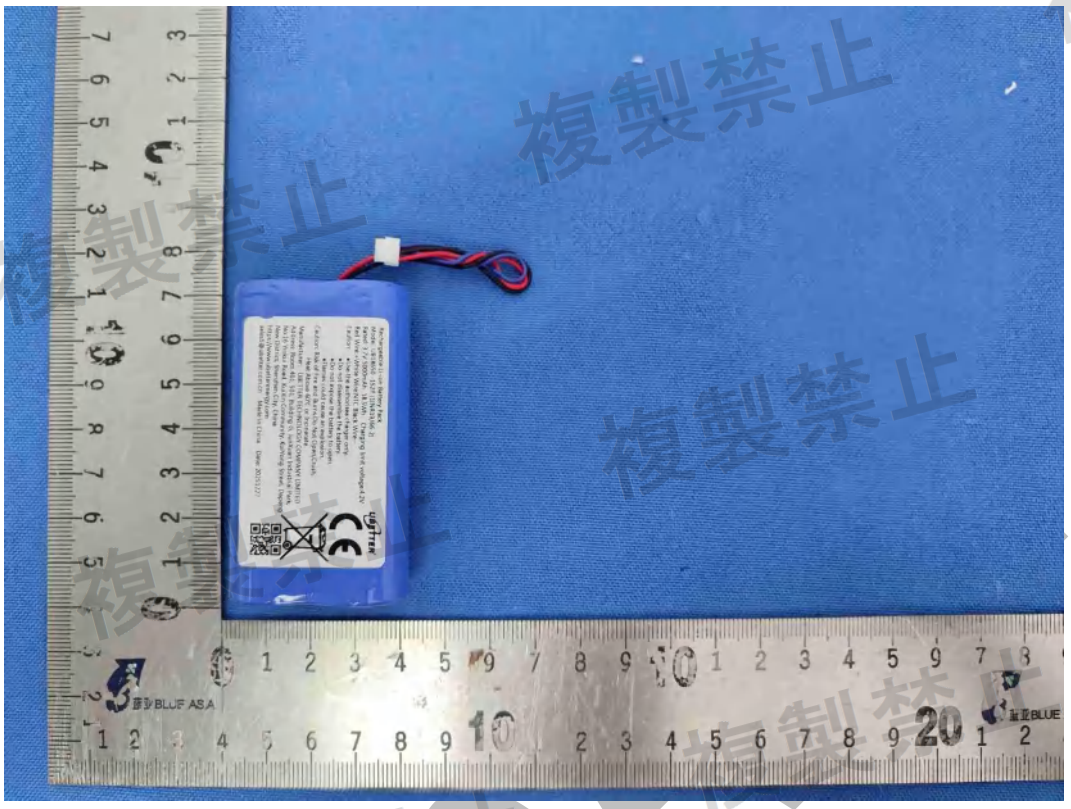
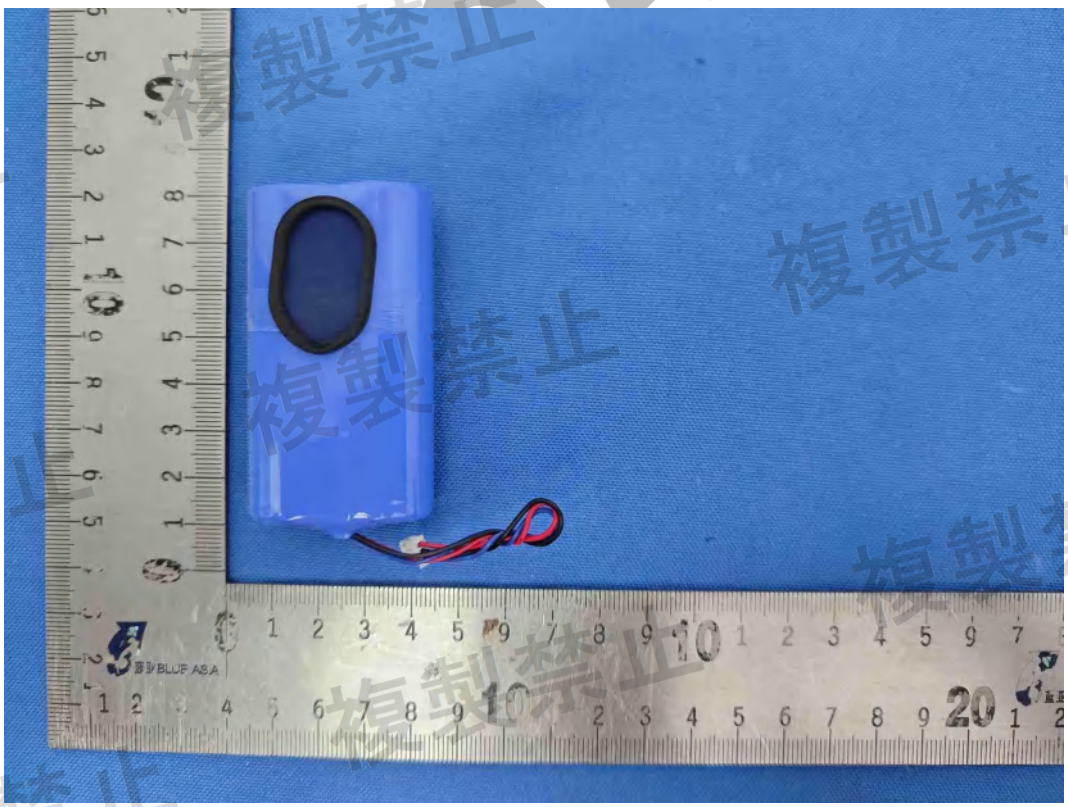
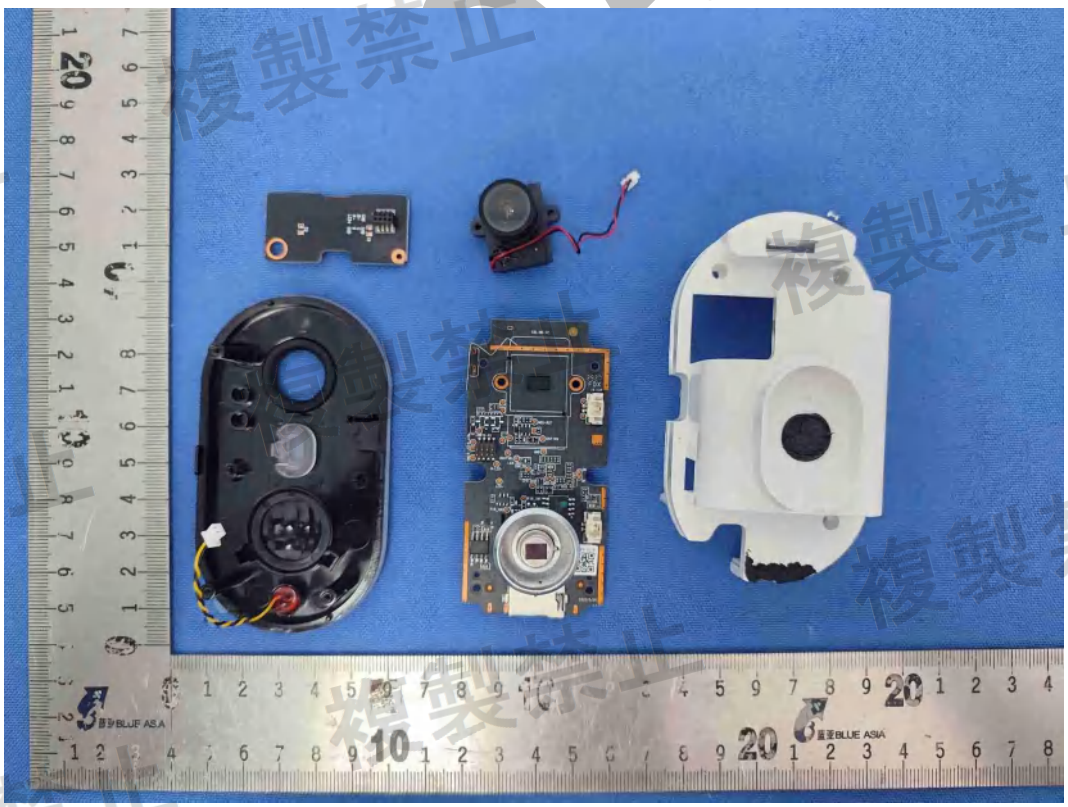
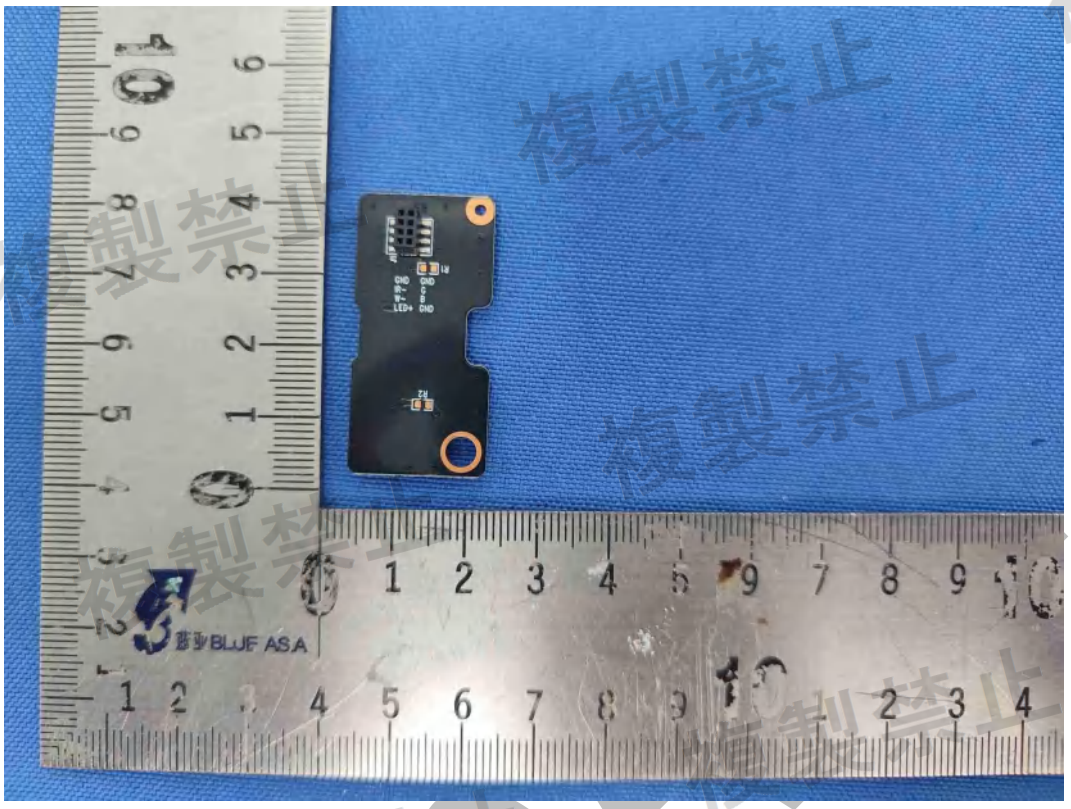


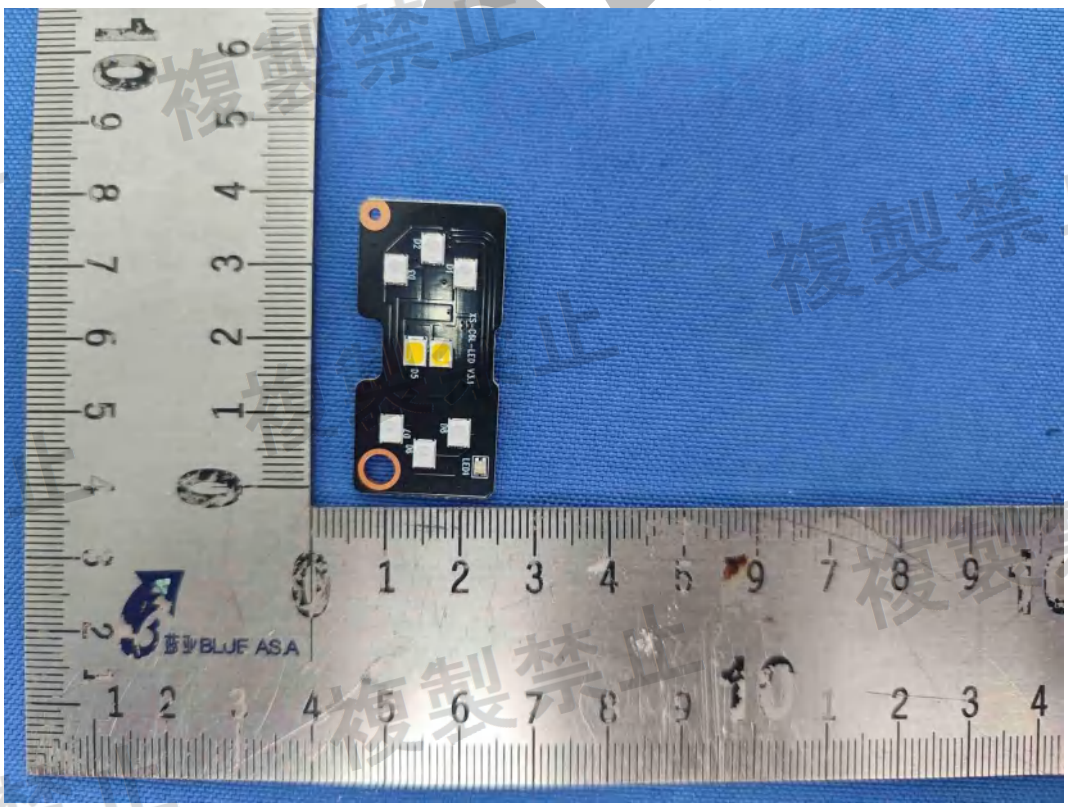


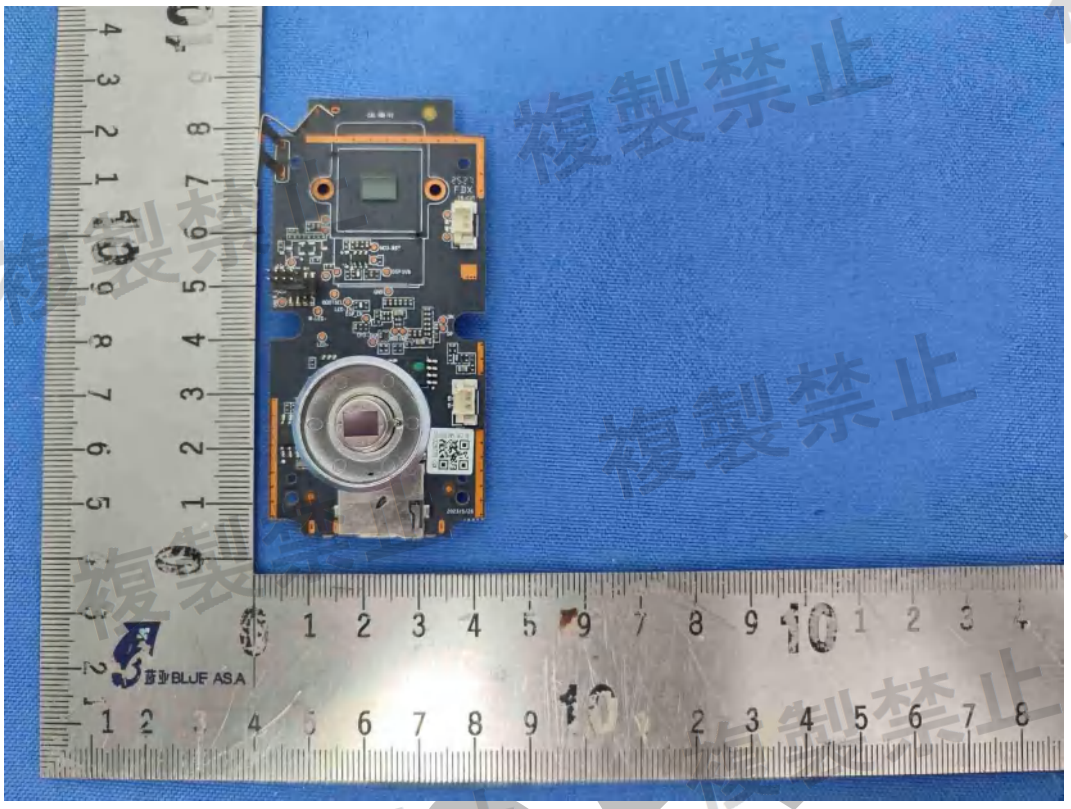


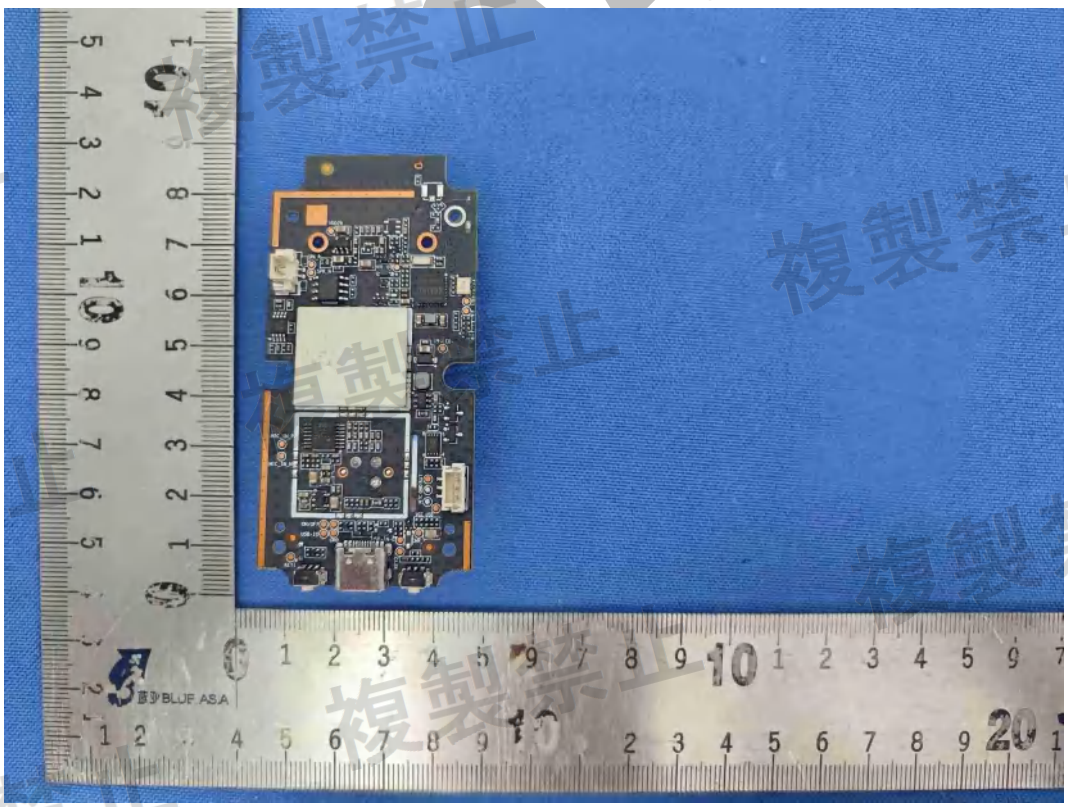
Rechargeable Li-ion Battery Pack
Model: UB18650 -1S2P (1INR19/66-2)
Rated: 3.7V 5000mAh 18.5Wh Charging limit voltage:4.2V
Red Wire:+White Wire:NTC Black Wire:-
Caution: •Use the authorisea charger only.
•Do not disassembie the battery.
•Do not expose the battery to open.
•Flames could cause an explosion.
Caution: Risk of Fire and Burns.Do Not Open,Crush,
Heat Above 60℃ or Incinerate.
Manufacturer: UBETTER TECHNOLOGY COMPANY LIMITED
Address: Room 401, 501, Building G, JunXuan Industrial Park,
No.16 Yinkui Road, KuiXin Community, KuiYong Street, Dapeng
New District, Shenzhen City, China
https://www.ubetterenergy.com
sales5@ubetter.com.cn Made in China Date: 20251227
UBETTER

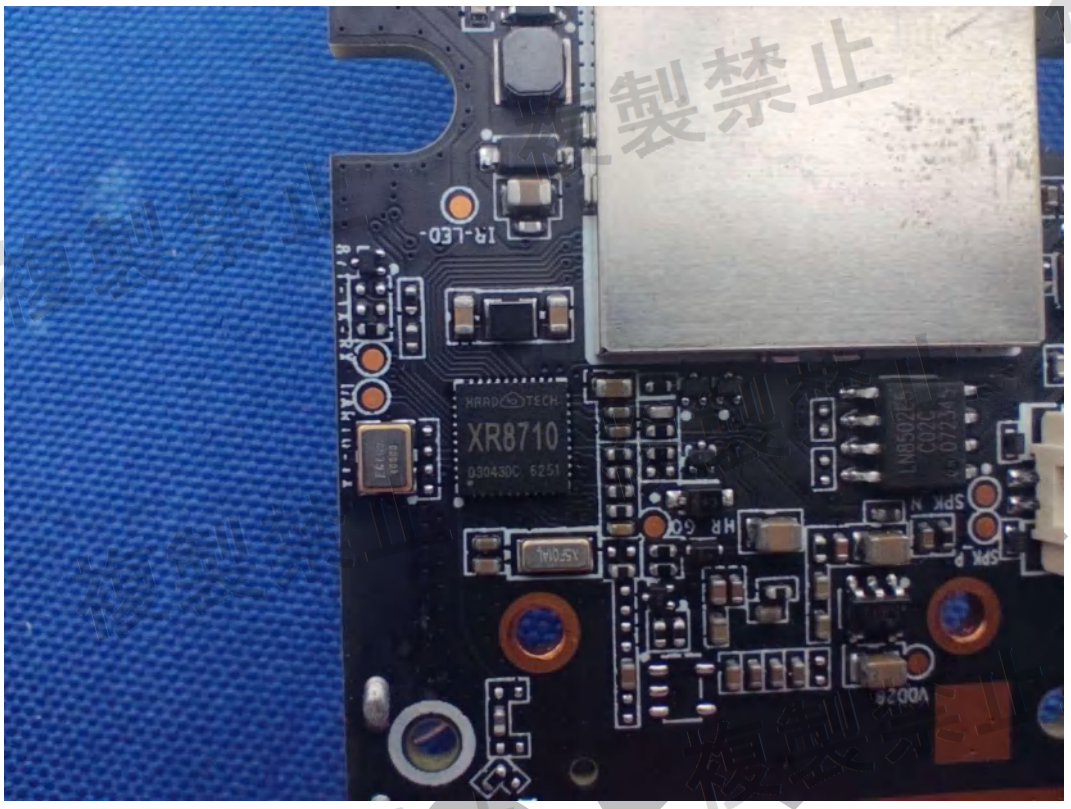


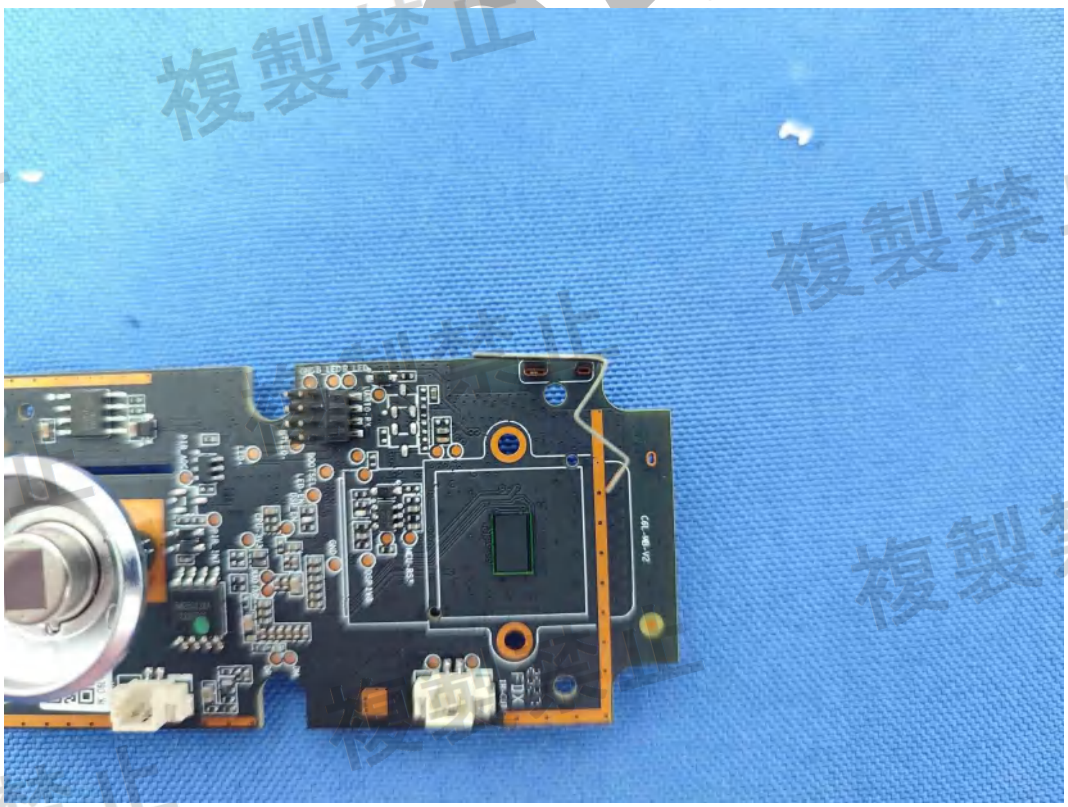


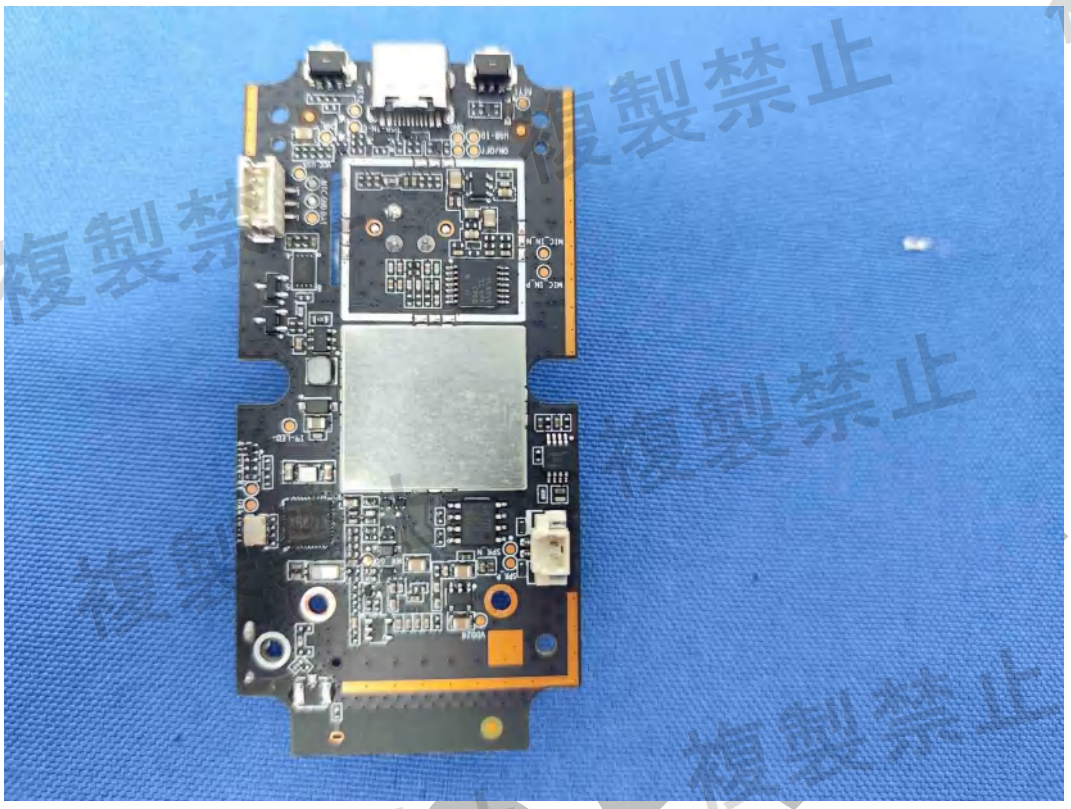


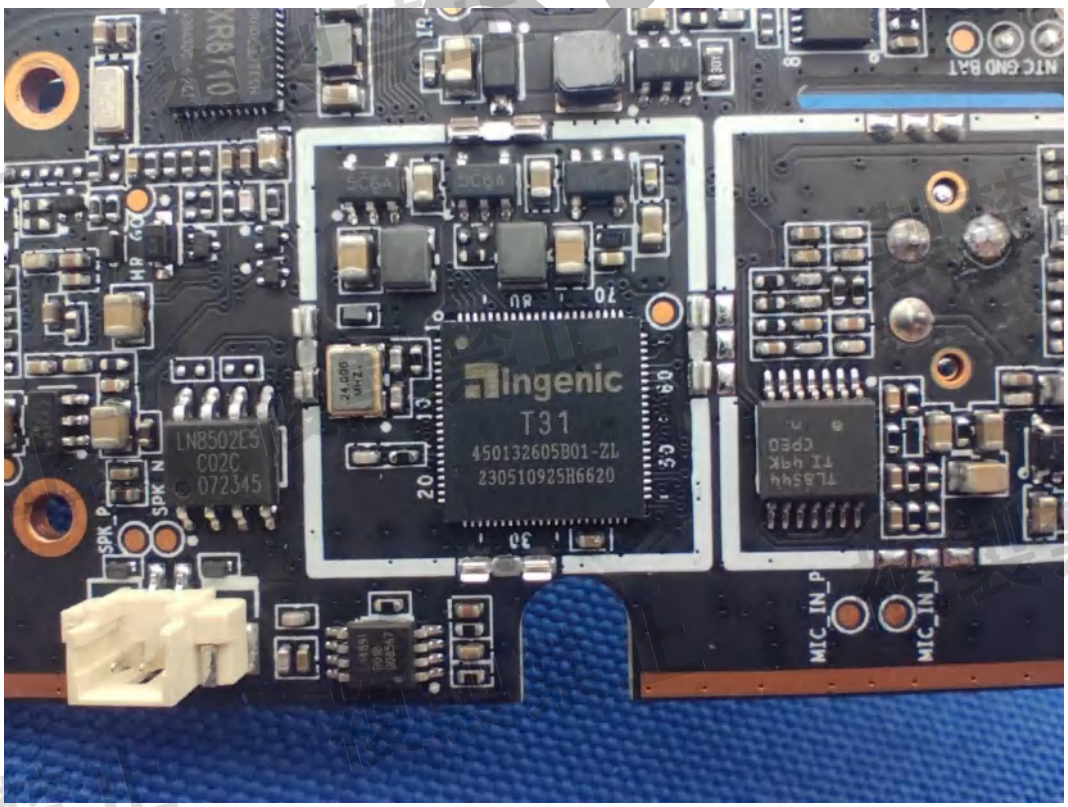





XR8710



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C02C
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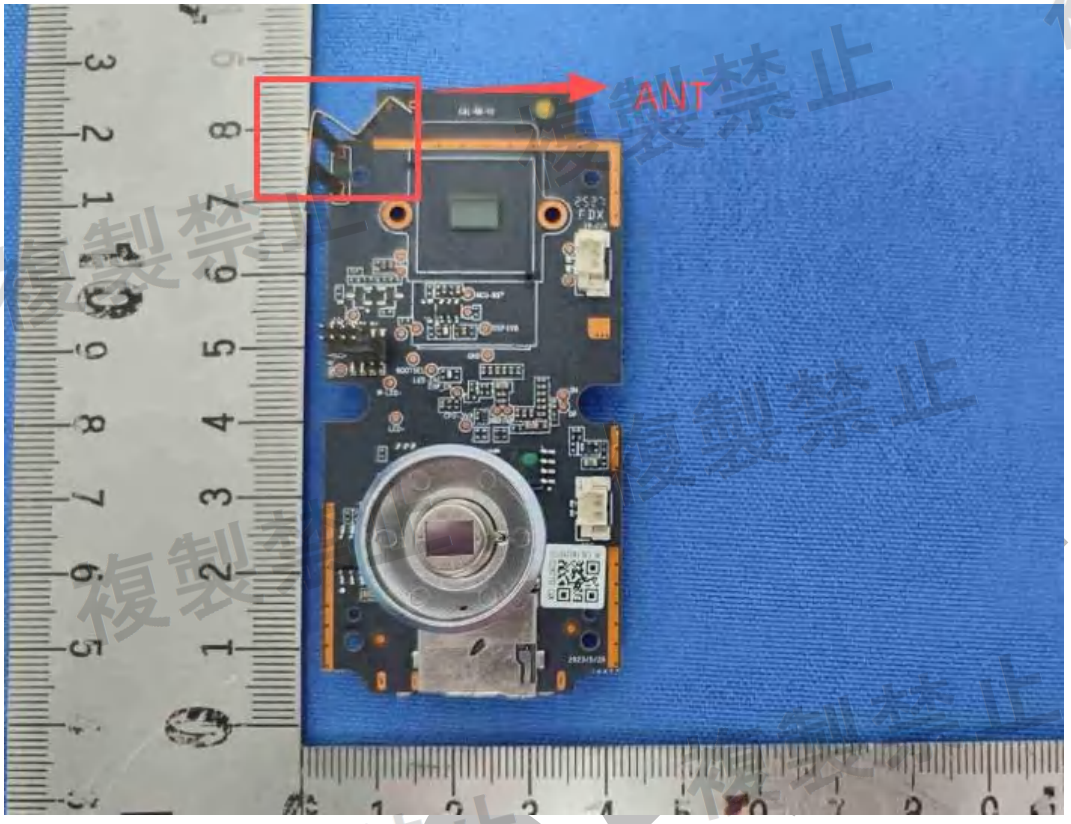
MIC_IN_P
MIC_IN_N



----END OF REPORT----

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