



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

Ordinance Article 2 paragraph 1 item (19)

Report Reference No.....: CTA25092500501

Compiled by

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Date of issue.....: Sep. 28, 2025

Testing Laboratory Name: Shenzhen CTA Testing Technology Co., Ltd.

Address.....: Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name: SHAREUAV Ltd

Address: 7 Floor, A2 Building, Chuangzhiyuncheng, Liuxian Avenue, Nanshan District, Shenzhen, China

Test specification

Standard: Ordinance Article 2 paragraph 1 item (19)

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Test item description: SHARE Real-Scene 3D LiDAR Scanner

Trade Mark: N/A

Manufacturer: SHAREUAV Ltd

Model/Type reference.....: SHARE SLAM S20 SE

Listed Models: N/A

Frequency.....: From 2402MHz-2480MHz

Modulation: GFSK, $\pi/4$ DQPSK, 8DPSK

Ratings: DC 14.4V From battery and DC 20.0V From external circuit

Result.....: PASS

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TEST REPORT

Equipment under Test : SHARE Real-Scene 3D LiDAR Scanner

Model /Type : SHARE SLAM S20 SE

Listed Models : N/A

Applicant : SHAREUAV Ltd

Address : 7 Floor, A2 Building, Chuangzhiyuncheng, Liuxian Avenue, Nanshan District, Shenzhen, China

Manufacturer : SHAREUAV Ltd

Address : 7 Floor, A2 Building, Chuangzhiyuncheng, Liuxian Avenue, Nanshan District, Shenzhen, China

Test Result:

PASS

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Version No.	Date	Description	Revised By
V1.0	Mar. 03, 2025	Original	Eric Wang
V1.1	Sep. 28, 2025	1. Modified the Models. 2. Modified the report number.	Eric Wang

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1 SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

[ARIB STD-T66](#): Second-Generation Low-Power Data Communication System/Wireless LAN System

[MIC Notice No.88 Appendix No. 43](#): 2.4 GHz band wide-band low-power data communication system

1.2 Test Description

ARIB STD-T66 Version 3.7/2014		
ARIB STD-T66	Test Description	Test Results
3.2 (2)	Antenna Power	Complies
3.2 (3)	Tolerances for Antenna Power	Complies
3.2 (4)	Frequency Tolerance	Complies
3.2 (5)	Transmission Rate	Complies
3.2 (7)	Occupied Frequency Bandwidth	Complies
3.2 (8)	Spread Bandwidth	Complies
3.2 (11)	Dwell Time	Complies
3.2 (6)	Spurious Emissions	Complies
3.6	Transmission Antenna Gain (EIRP Antenna Power)	Complies
3.6	Transmission Radiated Angle Width (3dB Beam width)	N/A
/	Interference prevention function	Complies
/	Carrier Sensing function	N/A
Receiver Parameters		
3.3 (1)	Secondary Radiated Emissions	Complies

(1) N/A is an abbreviation for Not Applicable.

Note: 1: "N/A" denotes test is not applicable in this Test Report

2: MIC Public Notice 88:2004, annex 1 and annex 43

3: MIC Ordinance Regulating Radio Equipment Section 4.17 of Article 49.20

4: Referenced in the standard ARIB STD-T66

1.3 the test laboratory

1.3.1 Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

1.3.2 Test Facility

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

FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2

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1.4 Measurement Uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) $K=1.96$ or $K=2$ (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual measurement uncertainties are normal).

Parameter	Uncertainty
Frequency error / 99%&90% bandwidth	$\pm 1.62 \cdot 10^{-6}$
Total RF power, conducted	$\pm 0.8\text{dB}$
Spurious emissions, conducted	$\pm 0.8\text{dB}$
DC and low frequency voltages	$\pm 0.05\%$
Humidity	$\pm 5\%$
Temperature	$\pm 1^\circ\text{C}$

2 GENERAL INFORMATION

2.1 General Remarks

Date of receipt of test sample	:	Feb. 07, 2025
Testing commenced on	:	Feb. 07, 2025
Testing concluded on	:	Mar. 03, 2025

2.2 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Voltage	Normal Voltage	DC 14.4V
	High Voltage	DC 16.8V
	Low Voltage	DC 13.6V
Other	Normal Temperature	25°C
	Relative Humidity	55 %
	Air Pressure	989 hPa

Note: As the EUT was powered by DC 14.4V From battery and DC 20.0V From external circuit, and with the voltage stabilizing circuit used, the chip voltage received floating not exceed $\pm 1\%$ of nominal condition when working on extreme voltage, so all test performed at nominal voltage only.

2.3 General Description of EUT

Product Name:	SHARE Real-Scene 3D LiDAR Scanner
Model/Type reference:	SHARE SLAM S20 SE
Power supply:	DC 14.4V From battery and DC 20.0V From external circuit
Bluetooth	
Supported type:	Supported Bluetooth BR/EDR
Bluetooth version:	5.0
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Rated power:	0.000050 W/MHz
Antenna type:	PIFA antenna
Antenna Gain:	3.09 dBi
Software version:	V1.0
Hardware Version:	V1.0

Note: For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.4 Description of Test Modes

The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Channel	Frequency (MHz)
0	2402
1	2403
⋮	⋮
38	2440
39	2441
40	2442
⋮	⋮
77	2479
78	2480

Note: Test performed at the lowest/middle/highest frequencies selected in the list above for EUT supported while working on specified mode.

2.5 Measurement Instruments List

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Institution	Calibration Date	Calibration Due Date
1	Spectrum Analyzer	Agilent	N9020A	MY53281423	LISAI	2024/08/03	2025/08/02
2	Signal generator	Agilent	N5182A	MY46240709	LISAI	2024/08/03	2025/08/02
3	Power Meter	Agilent	U2021X	MY47410295	LISAI	2024/08/03	2025/08/02
4	DC Power Supply	Agilent	E3642A	N/A	LISAI	2024/08/03	2025/08/02
5	Oscilloscope	Tektronix	TDS3012	B021220	LISAI	2024/08/03	2025/08/02
6	Spectrum Analyzer	R&S	FSU	200311	LISAI	2024/08/03	2025/08/02

Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law".

LiSai-Guangzhou LiSai Calibration and Testing Co.,LTD.

2.6 Table for Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product. Power Parameters:

Test Software Version	Bluetooth MP Tool		
Frequency	2402MHz	2441MHz	2480MHz
Bluetooth V5.0	Default	Default	Default

2.7 Description of Test Modes

Tested channel, Frequency and Modulation Information		
CH0	2402MHz	GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8-DPSK(3Mbps)
CH39	2441MHz	GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8-DPSK(3Mbps)
CH78	2480MHz	GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8-DPSK(3Mbps)
Hopping Mode		GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8-DPSK(3Mbps)
Note: According exploratory test, EUT has maximum output power for GFSK modulation.		

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All the test modes were tested, but only the worst case was recorded in this report.

2.8 Test Voltage

POWER SUPPLY VOLTAGE FLUCTUATION TEST

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input To EUT	DC 14.40V	DC 16.80V	DC 13.60V
Output To RF Module	DC 3.30V	DC 3.30V	DC 3.30V
Voltage Variation(%)	--	--	--

Note:

Voltage Variation (%)

= (Output high or Low Voltage - Output Normal Voltage) / Output Normal Voltage * 100

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.

The sample power supply was confirmed that input voltage variation at the radio unit in the radio equipment to be tested is less than +1% against a variation of +10% at the input voltage from the external power supply to the radio equipment, and the radio equipment was designed so as to be operated in a specified voltage variation limit within +10%, Radio can only tested at rated voltage.

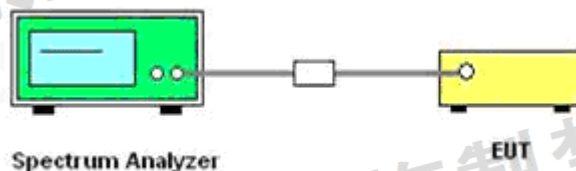
3 Test conditions and Results

3.1 Frequency Error

LIMIT

Tolerance of frequency shall be $\pm 50 \times 10^{-6}$.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyser and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: non-modulation

Spectrum Condition:

Frequency: test frequency

Span: 300 KHz

RBW: 10 KHz

VBW: 10 KHz

Sweep time: Auto

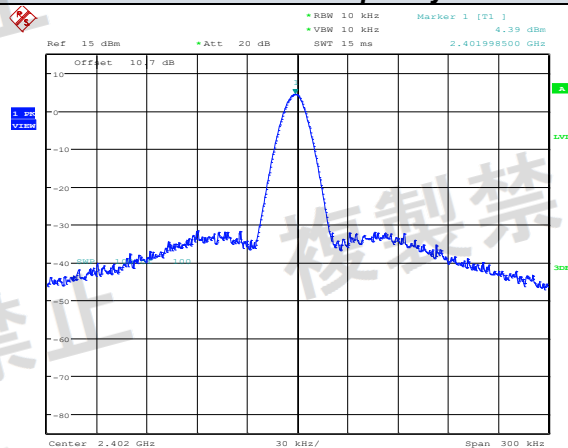
Detector mode: Positive peak

Indication mode: max hold

TEST RESULTS

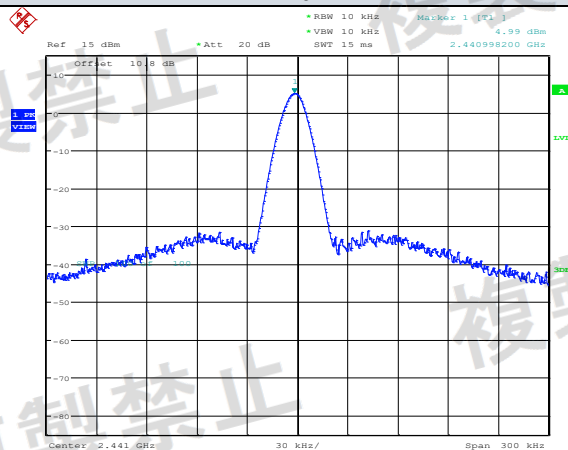
Test Condition	Frequency (MHz)	Read (MHz)	Deviation (MHz)	Tolerance (ppm)	Limit (ppm)	Result
Non-modulation	2402	2401.9985	-0.0015	-0.6245	+/- 50.00	Pass
	2441	2440.9982	-0.0018	-0.7374		
	2480	2479.9982	-0.0018	-0.7258		

Test Plots of Frequency Error



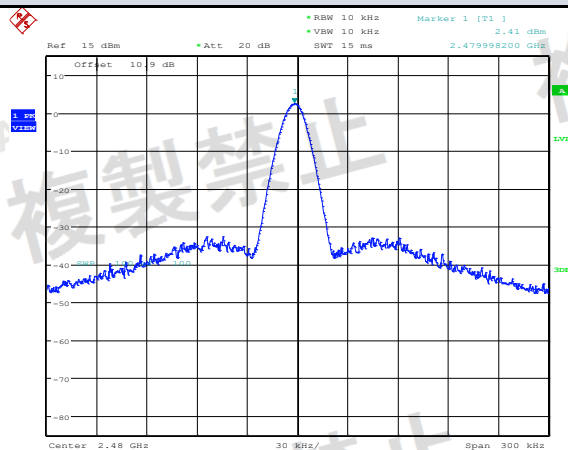
Date: 26.FEB.2025 07:31:31

2402 MHz



Date: 26.FEB.2025 07:31:55

2441 MHz



Date: 26.FEB.2025 07:32:22

2480 MHz

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3.2 Antenna Output Power and Output Power Tolerance

LIMIT

- $\leq 3 \text{ mW /MHz}$ (FHSS from 2402-2480 MHz)
- $\leq 10 \text{ mW/MHz}$ (OFDM, DSSS from 2400-2483.5 MHz)
- $\leq 10 \text{ mW}$ (other from 2400-2483.5 MHz)

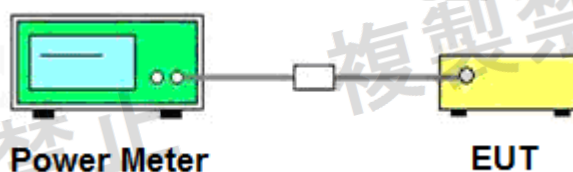
The Output Power Tolerance must be within +20%.

E.i.r.p:

- $\leq 6.91 \text{ dBm/MHz}$ (FHSS)

Note: E.I.R.P will not be applied to the transmission antenna which has a gain of 2.14dBi or less.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was placed on a table which is 0.8m above ground plane.
2. The EUT was directly connected to the Power meter.
3. EUT have transmitted continuous maximum power of hopping mode (For FHSS Device);
4. The Antenna Power Density (PD) is equal to the:
 $PD = \text{Average value} / (\text{Duty Cycle} * \text{Spreading bandwidth});$
5. Antenna Power Error is definition that actual measure antenna power tolerance within +20% power range that base on manufacturer declare the conducted power density.

TEST RESULTS

Mode	Packet	Declared power	Measured Value	Result	Tolerance	Limit
		(W/MHz)	(dBm)	(W/MHz)	/	/
Tx (1Mbps)	DH5	0.00005	3.57	0.000042	-16.00%	+20%
Tx (2Mbps)	2DH5	0.00005	3.38	0.000040	-20.00%	+20%
Tx (3Mbps)	3DH5	0.00005	3.32	0.000040	-20.00%	+20%
Conclusion: PASS						

EIRP

Mode	Packet	Average burst power (dBm)	Gain (dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
Tx (1Mbps)	DH5	3.57	3.09	0.0665	6.91	Pass
Tx (2Mbps)	2DH5	3.38	3.09	0.0634	6.91	
Tx (3Mbps)	3DH5	3.32	3.09	0.0626	6.91	

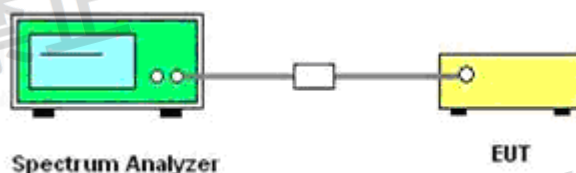


3.3 Occupied Bandwidth and Spreading Bandwidth

LIMIT

- Occupied bandwidth: FH $\leq$ 83.5 MHz; OFDM $\leq$ 38 MHz; DS $\leq$ 26 MHz; Others $\leq$ 26 MHz
- Spread Bandwidth: $\geq$ 500 kHz (FH, DS)
- Spread factor $>$ 5.

TEST CONFIGURATION



TEST PROCEDURE

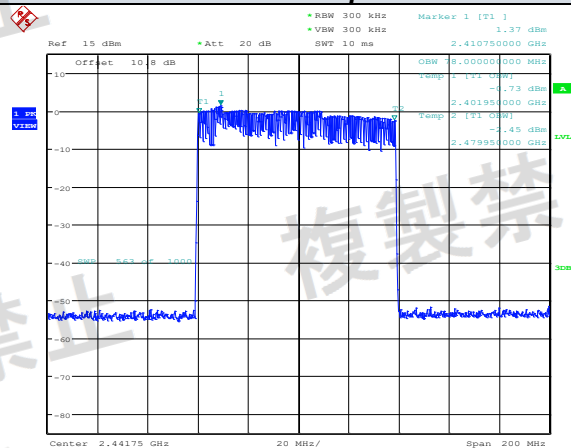
1. Setting of SA is following as follow:
 - RBW: under 3% of OBW
 - VBW: = RBW
 - Sweep time: Auto
 - Sweep Mode: Continuous sweep
 - Detect mode: Positive peak
 - Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth.
3. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 90% of occupied bandwidth to measure spread bandwidth.
4. Spread Factor=Spread Bandwidth/modulation rate. The modulation rate: MR=1Mbps (declare by client)

TEST RESULTS

Test Result of Occupied Bandwidth

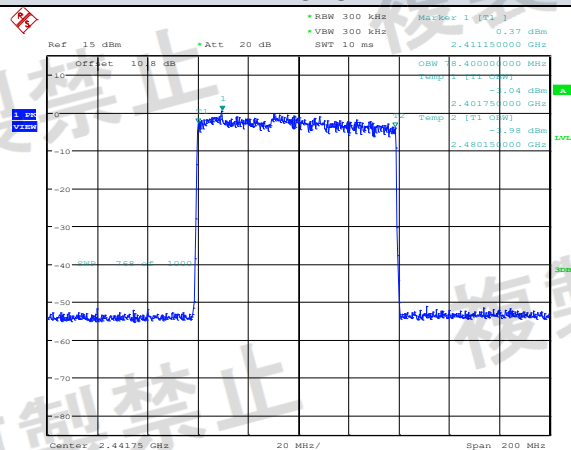
Type	Channel (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Result
GFSK	2402-2480	78.000	<83.5	Pass
$\pi/4$ DQPSK	2402-2480	78.400		
8DPSK	2402-2480	78.200		

Test Plots of Occupied Bandwidth

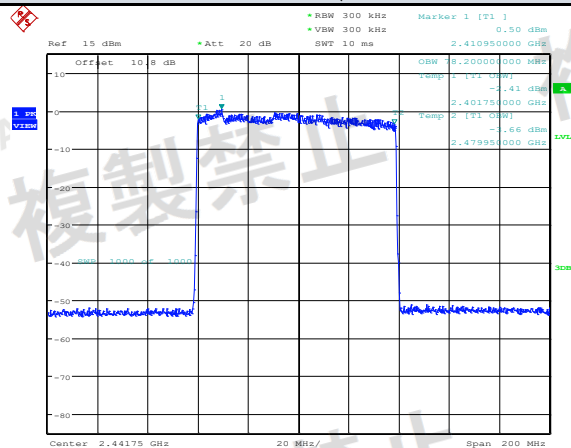


Date: 26.FEB.2025 07:12:49

GFSK



Date: 26.FEB.2025 07:14:29

 $\pi/4$ DQPSK

Date: 26.FEB.2025 07:16:32

8DPSK

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Test Result of Spectrum Bandwidth

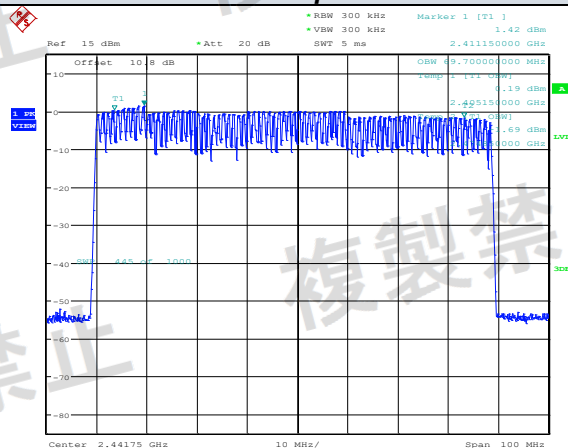
Type	Channel (MHz)	Spread Bandwidth (MHz)	Limit (MHz)	Result
GFSK	2402-2480	69.700	<83.5	Pass
$\pi/4$ DQPSK	2402-2480	70.000		
8DPSK	2402-2480	69.900		

Test Result of Spread Spectrum Factor

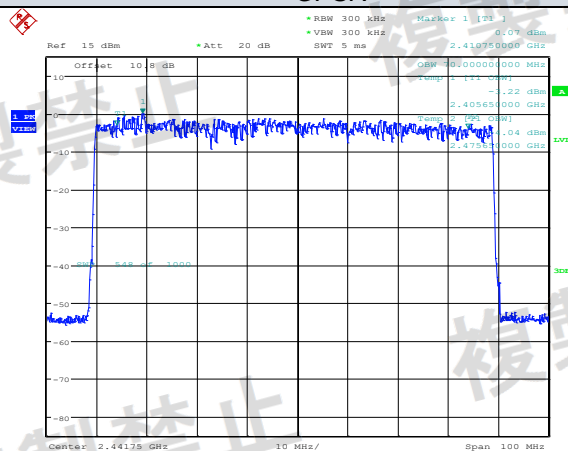
Mode	CH	Result (MHz)	Modulation Rate (MHz)	Spread Factor	Limit
Hopping (1Mbps)	All	69.700	1	69.700	≥ 5
Hopping (2Mbps)	All	70.000	2	35.000	≥ 5
Hopping (3Mbps)	All	69.900	3	23.300	≥ 5

Note: Spread Factor=Spread Bandwidth/modulation rate.

Test Plots of Spread Bandwidth



GFSK

 $\pi/4$ DQPSK

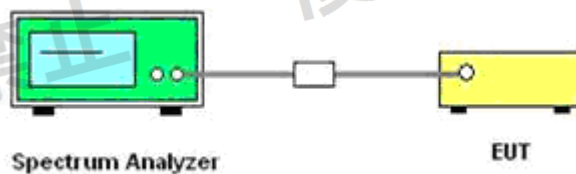
8DPSK

3.4 Dwell Time

LIMIT

Frequency dwell time (time during which radio waves continue to be emitted at a specified frequency) of a transmitting equipment using the FH system shall be 0.4 seconds or less.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyser and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: modulation

Spectrum Condition:

- Frequency: test channel
- Span=0MHz
- RBW: 1MHz
- VBW: 3MHz
- Sweep time: Auto
- Detector mode: Positive peak

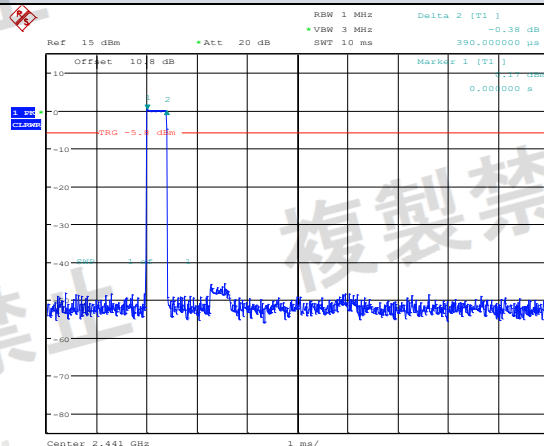
TEST RESULTS

Worst test result of Low Channel for GFSK (1Mbps) Modulation					
Type	Number of hops in 31.6S	transmission time of 1 burst (ms)	Dwell time (second)	Limit (second)	Result
DH1	316	0.39	0.123	0.4	Pass
DH3	158	1.65	0.261		
DH5	99	2.90	0.287		

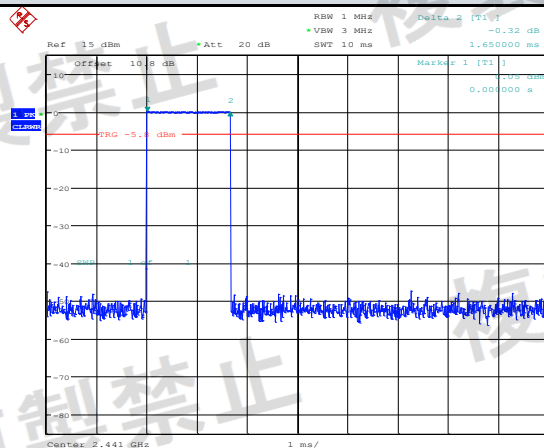
Note: Dwell time= Pulse Time Number of hops in 31.6S;

Measured all types and recorded worst case at GFSK (1M) modulation;

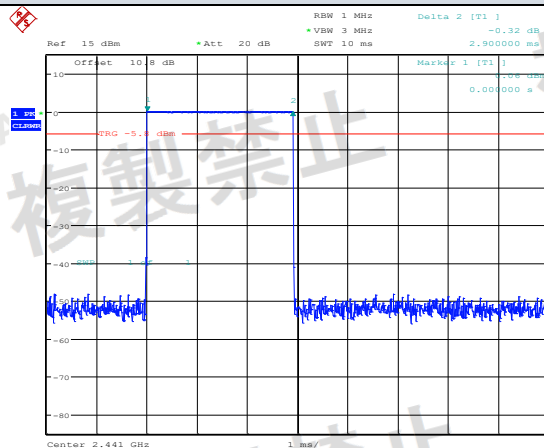
Test Plots of Dwell Time



DH1



DH3



DH5

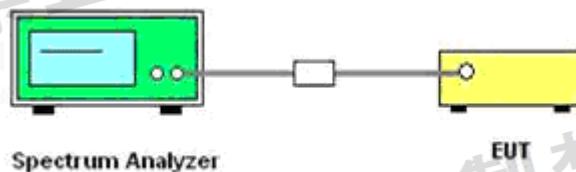
3.5 Unwanted Emission Strength

LIMIT

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows:

- a. $2,387\text{MHz} \leq f \leq 2,400\text{MHz}$ and $2,483.5\text{MHz} < f \leq 2,496.5\text{MHz}$ $25 \mu\text{W}$ or less
- b. $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f$ $2.5 \mu\text{W}$ or less

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyser and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: modulation

Spectrum Condition:

Frequency: 30MHz-13GHz

RBW: 100 KHz (30MHz-1GHz), 1MHz (1GHz-13GHz)

VBW: 300 KHz (30MHz-1GHz), 3MHz (1GHz-13GHz)

Sweep time: Auto

Detector mode: Positive peak

Indication mode: max hold

TEST RESULTS

-Note:SA set to from 2.4965GHz to 13GHz, plot shows from 2.497GHz to 13GHz as of SA's default format.

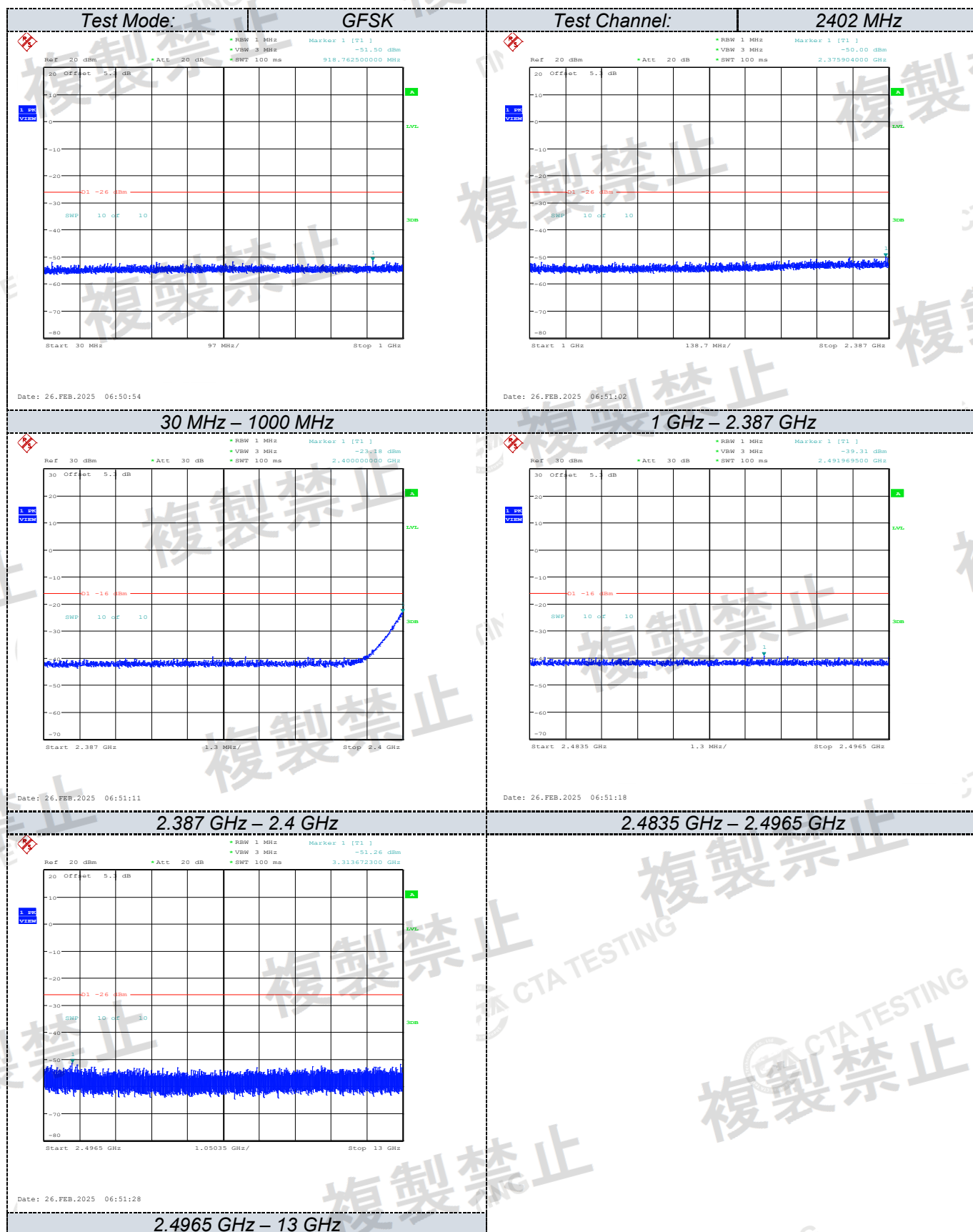
Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	918.76	-51.50	≤-26	0.00708	≤2.5	PASS
				1000~2387	2375.90	-50.00	≤-26	0.01000	≤2.5	PASS
				2387~2400	2400.00	-23.18	≤-16	4.80839	≤25	PASS
				2483.5~2496.5	2491.97	-39.31	≤-16	0.11722	≤25	PASS
				2496.5~13000	3313.67	-51.26	≤-26	0.00748	≤2.5	PASS
			2441	30~1000	261.83	-51.82	≤-26	0.00658	≤2.5	PASS
				1000~2387	2365.15	-50.27	≤-26	0.00940	≤2.5	PASS
				2387~2400	2393.79	-39.04	≤-16	0.12474	≤25	PASS
				2483.5~2496.5	2489.10	-38.62	≤-16	0.13740	≤25	PASS
				2496.5~13000	3034.28	-51.41	≤-26	0.00723	≤2.5	PASS
	2DH5	Ant1	2480	30~1000	983.27	-51.82	≤-26	0.00658	≤2.5	PASS
				1000~2387	2351.98	-50.29	≤-26	0.00935	≤2.5	PASS
				2387~2400	2396.63	-39.66	≤-16	0.10814	≤25	PASS
				2483.5~2496.5	2483.55	-39.00	≤-16	0.12589	≤25	PASS
				2496.5~13000	11279.00	-50.17	≤-26	0.00962	≤2.5	PASS
			2402	30~1000	222.06	-51.90	≤-26	0.00646	≤2.5	PASS
				1000~2387	2382.49	-49.98	≤-26	0.01005	≤2.5	PASS
				2387~2400	2400.00	-20.20	≤-16	9.54993	≤25	PASS
				2483.5~2496.5	2493.65	-39.17	≤-16	0.12106	≤25	PASS
				2496.5~13000	2573.70	-51.33	≤-26	0.00736	≤2.5	PASS
	3DH5	Ant1	2441	30~1000	552.83	-51.45	≤-26	0.00716	≤2.5	PASS
				1000~2387	2227.15	-50.82	≤-26	0.00828	≤2.5	PASS
				2387~2400	2391.10	-39.84	≤-16	0.10375	≤25	PASS
				2483.5~2496.5	2495.11	-39.17	≤-16	0.12106	≤25	PASS
				2496.5~13000	2530.11	-50.93	≤-26	0.00807	≤2.5	PASS
			2480	30~1000	587.99	-51.66	≤-26	0.00682	≤2.5	PASS
				1000~2387	2384.23	-49.82	≤-26	0.01042	≤2.5	PASS
				2387~2400	2394.34	-39.68	≤-16	0.10765	≤25	PASS
				2483.5~2496.5	2483.51	-38.34	≤-16	0.14655	≤25	PASS
				2496.5~13000	9490.26	-51.99	≤-26	0.00632	≤2.5	PASS
			2402	30~1000	796.06	-51.43	≤-26	0.00719	≤2.5	PASS
				1000~2387	2369.66	-49.88	≤-26	0.0102	≤2.5	PASS

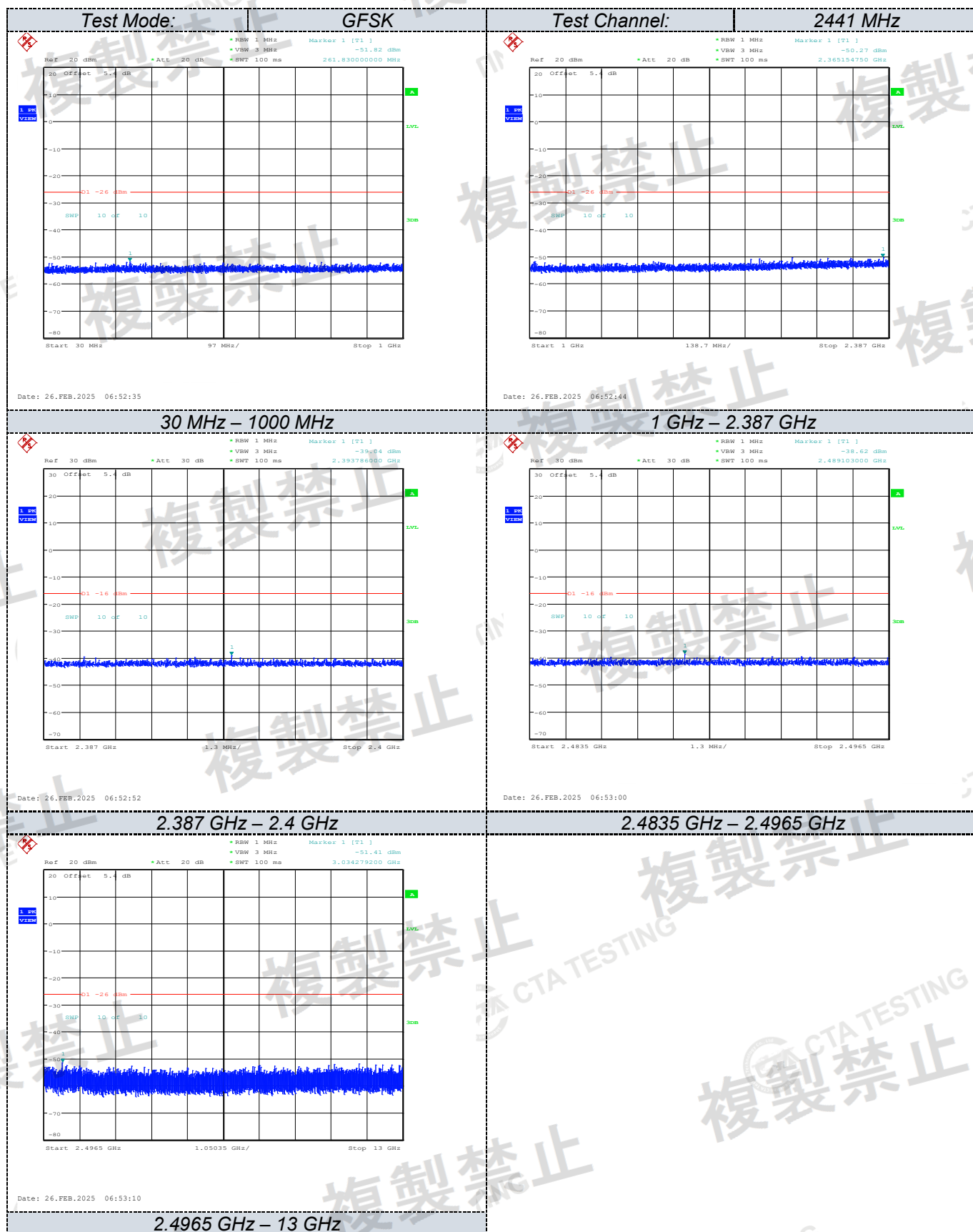
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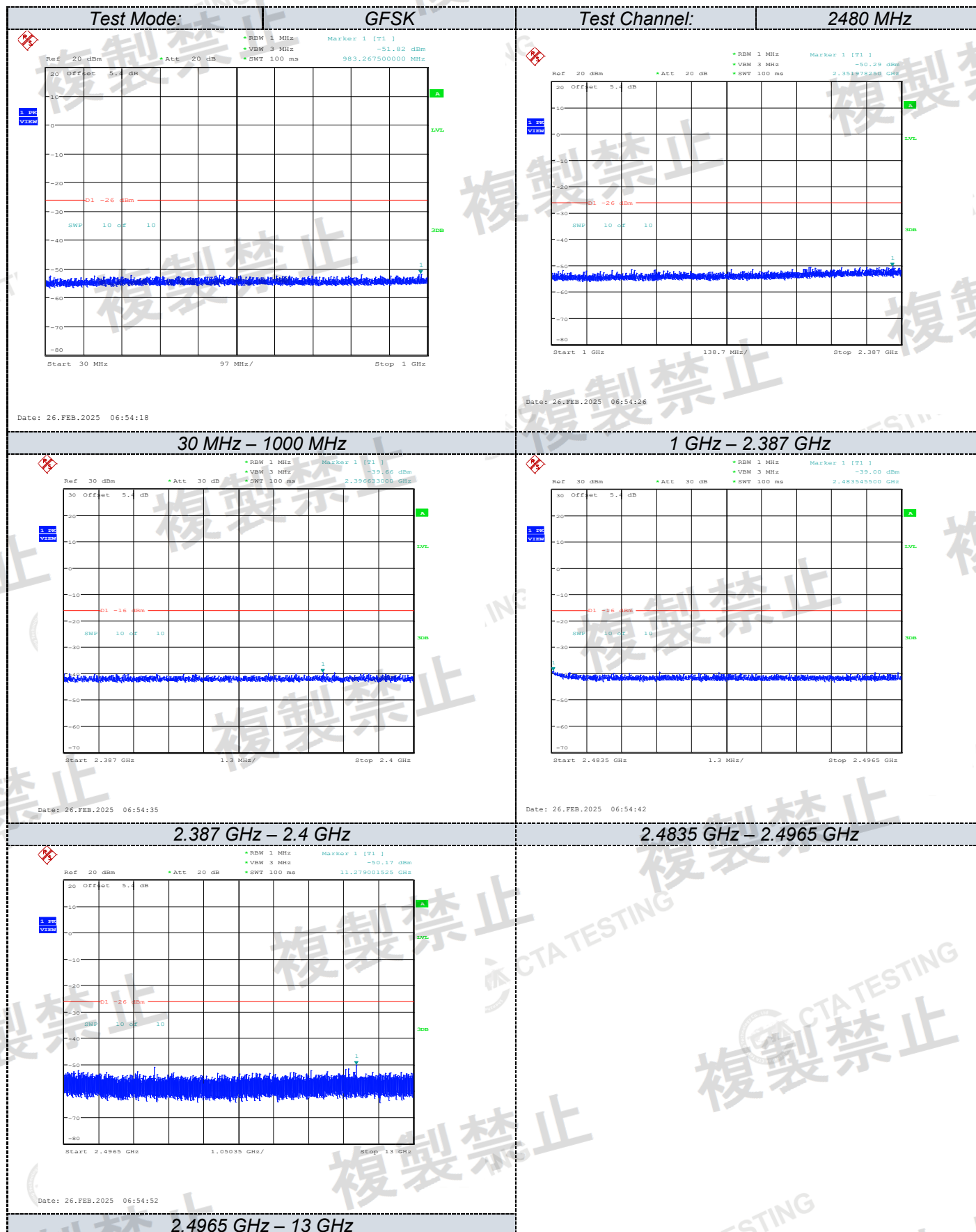
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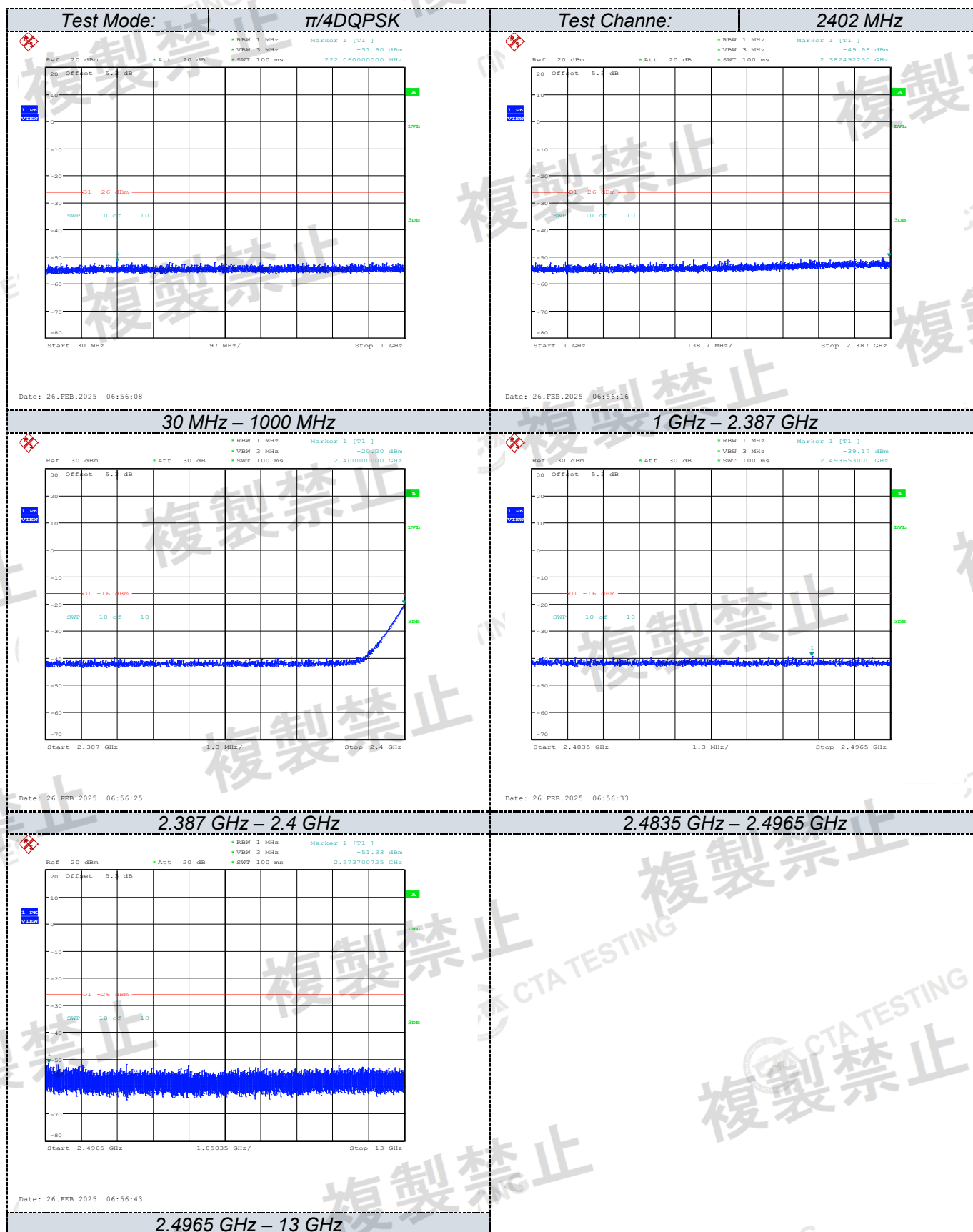
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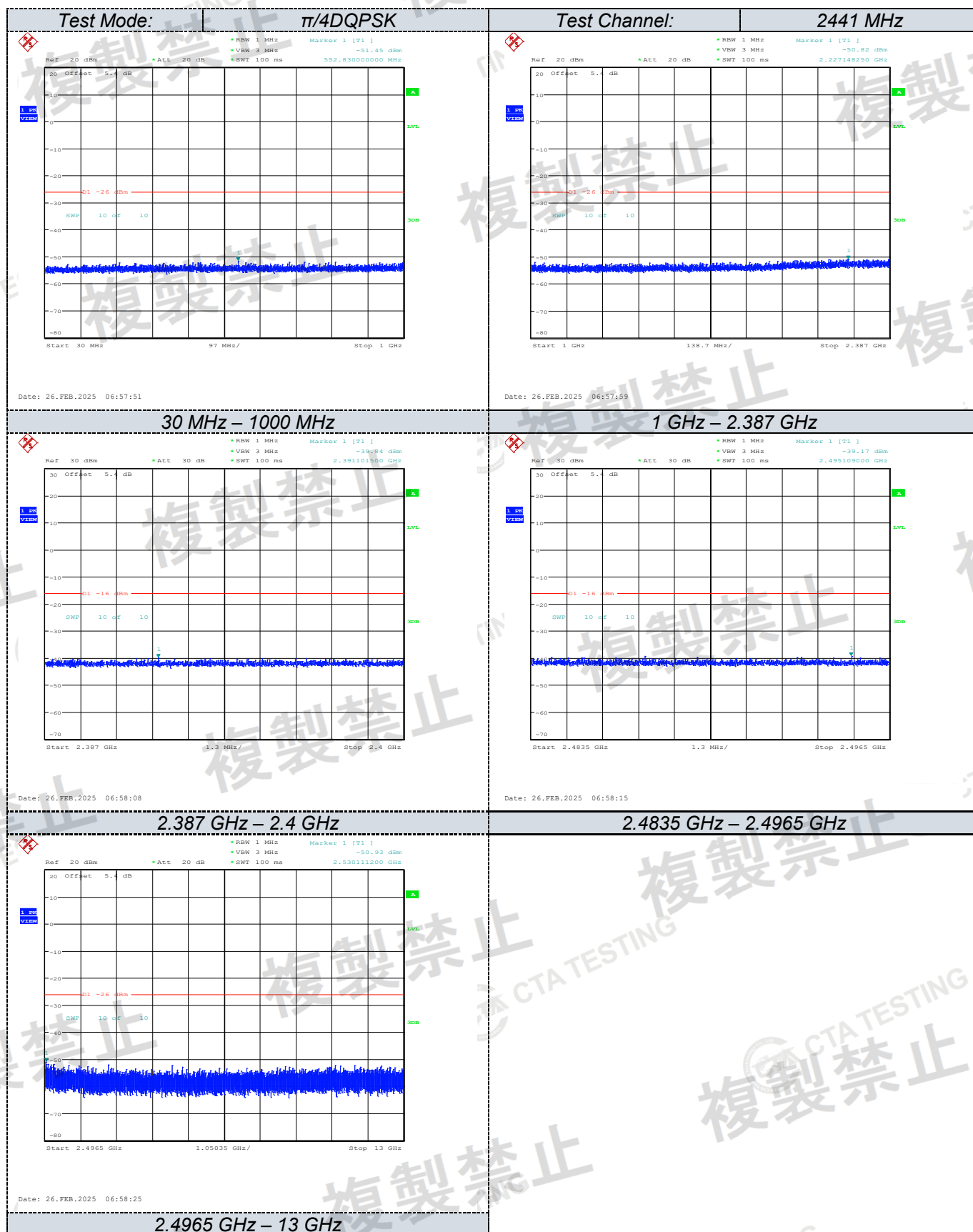
								8		
				2387~2400	2399.98	-20.40	≤-16	9.1201 1	≤25	PASS
				2483.5~2496.5	2493.59	-39.40	≤-16	0.1148 2	≤25	PASS
				2496.5~13000	3504.31	-47.99	≤-26	0.0158 9	≤2.5	PASS
			2441	30~1000	473.53	-51.60	≤-26	0.0069 2	≤2.5	PASS
				1000~2387	2262.86	-49.79	≤-26	0.0105 0	≤2.5	PASS
				2387~2400	2390.94	-39.55	≤-16	0.1109 2	≤25	PASS
				2483.5~2496.5	2494.28	-39.07	≤-16	0.1238 8	≤25	PASS
				2496.5~13000	11752.71	-51.28	≤-26	0.0074 5	≤2.5	PASS
			2480	30~1000	998.55	-51.35	≤-26	0.0073 3	≤2.5	PASS
				1000~2387	2344.00	-49.29	≤-26	0.0117 8	≤2.5	PASS
				2387~2400	2398.45	-39.12	≤-16	0.1224 6	≤25	PASS
				2483.5~2496.5	2483.53	-37.91	≤-16	0.1618 1	≤25	PASS
				2496.5~13000	2501.23	-51.26	≤-26	0.0074 8	≤2.5	PASS

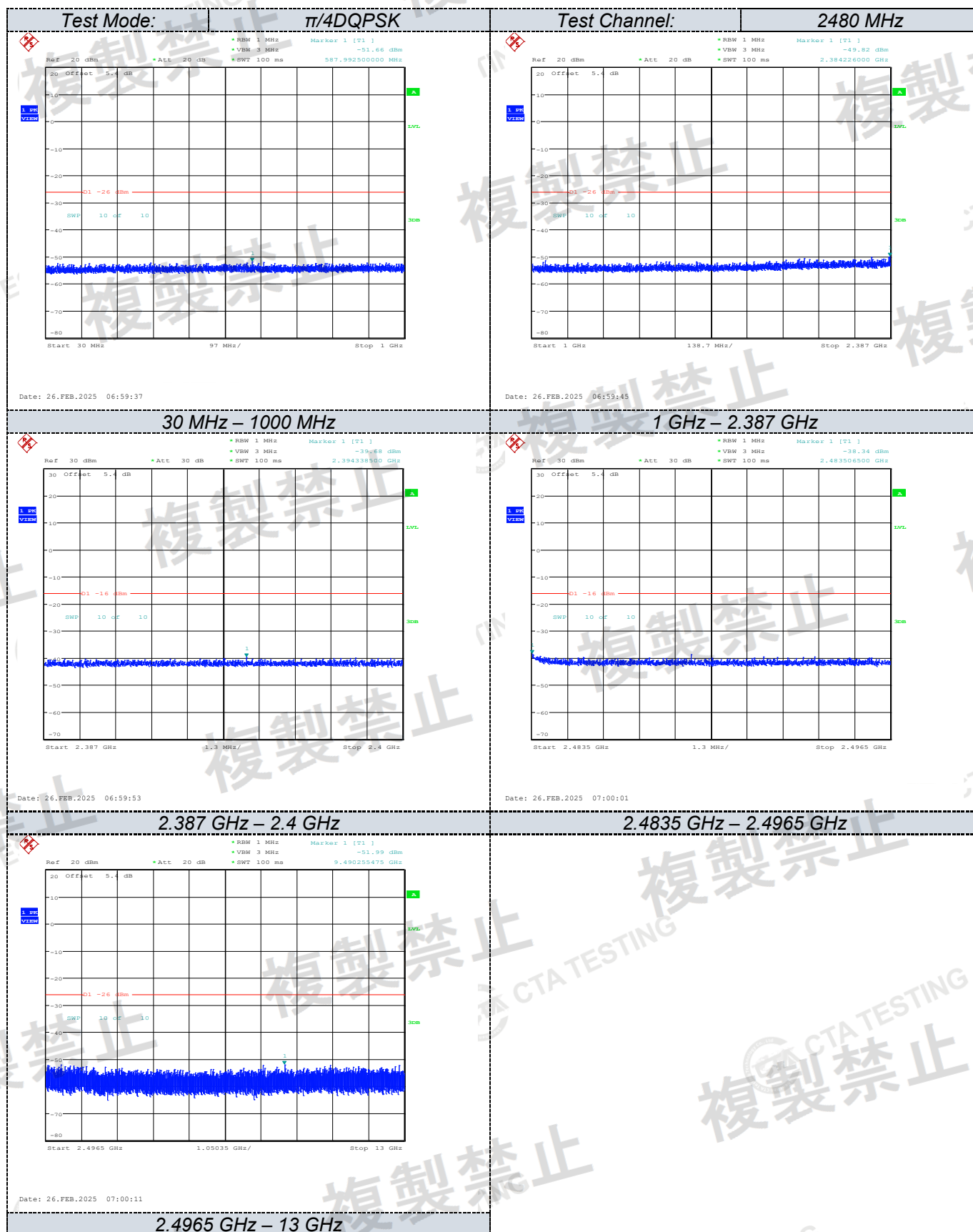


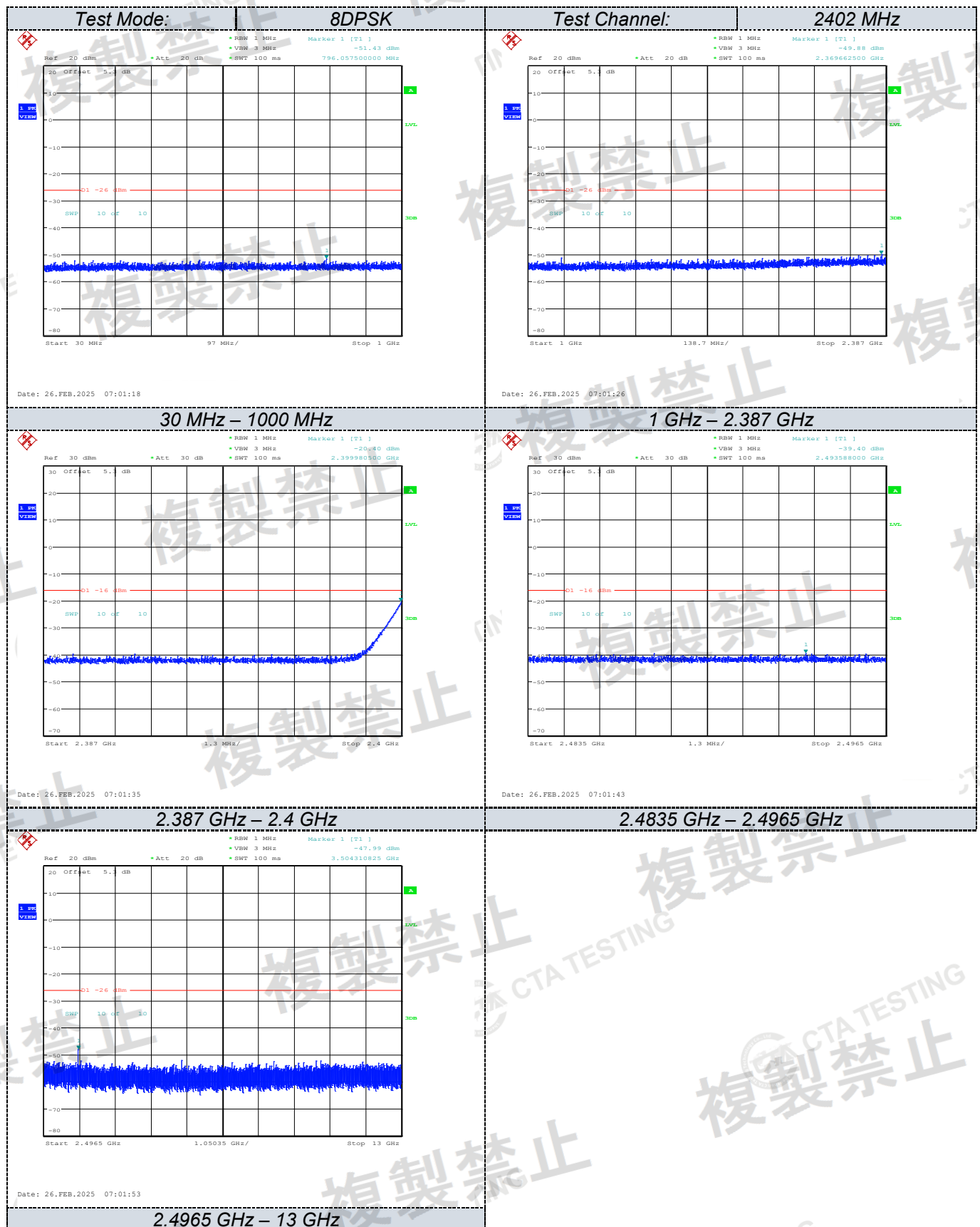


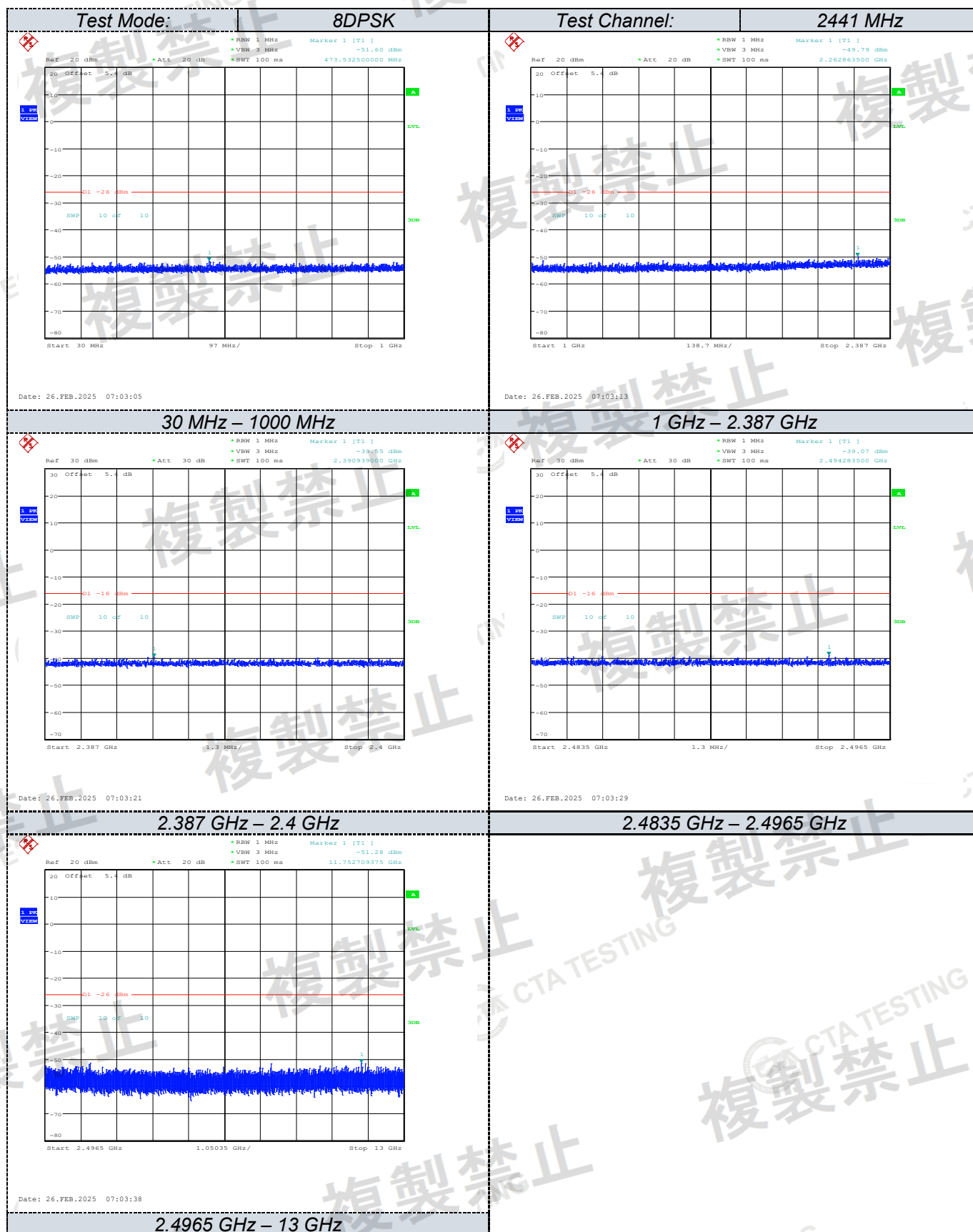


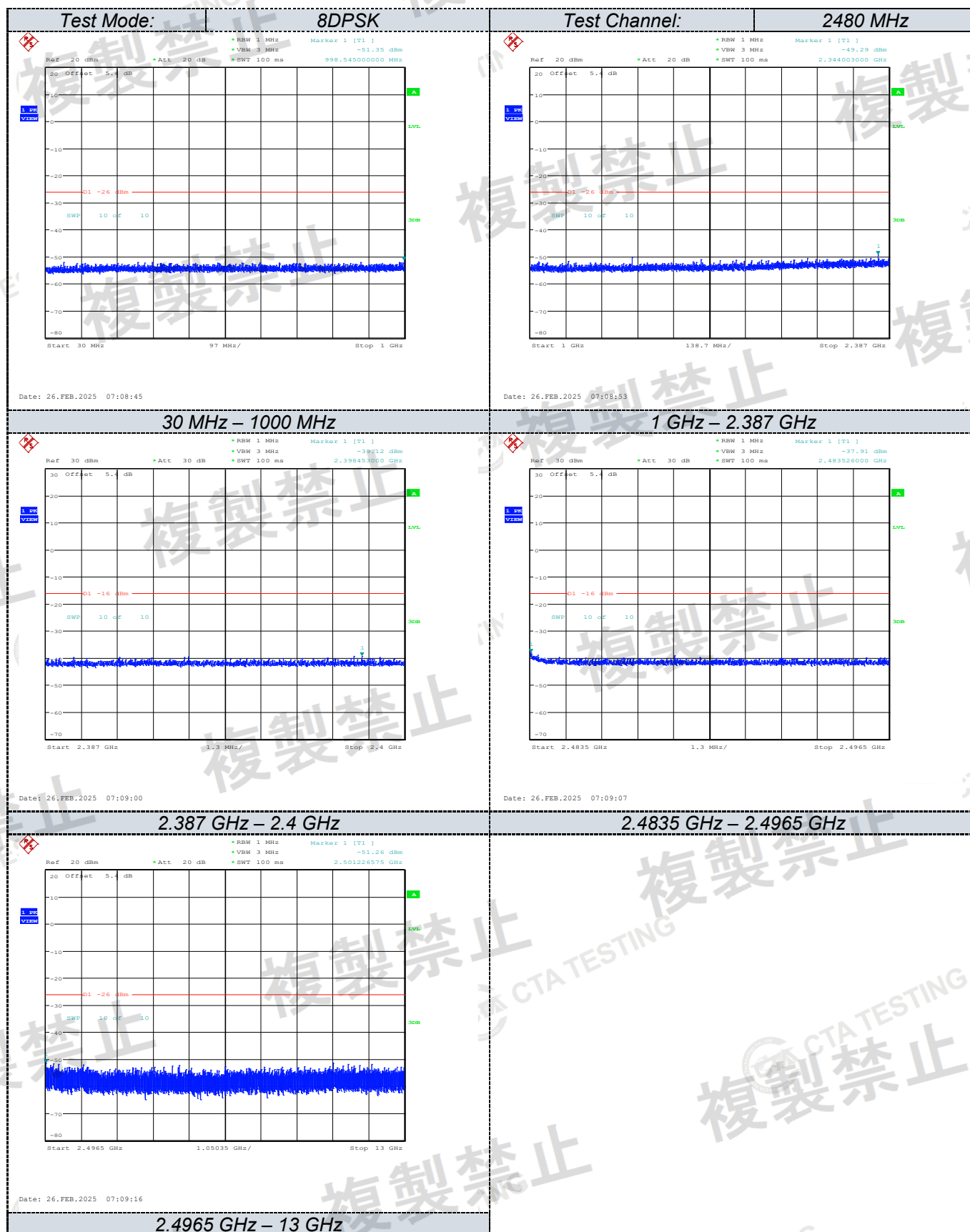










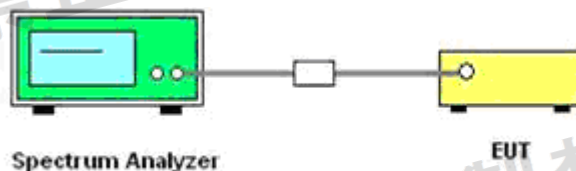


3.6 Secondary Radiated Emission Strength

LIMIT

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4nW or less at a frequency below 1 GHz and 20 nW or less at a frequency of 1 GHz or higher as measured using the circuit.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyser and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: modulation

Spectrum Condition:

Frequency: 30MHz-13GHz

RBW: 100 KHz (30MHz-1GHz), 1MHz (1GHz-13GHz)

VBW: 300 KHz (30MHz-1GHz), 3MHz (1GHz-13GHz)

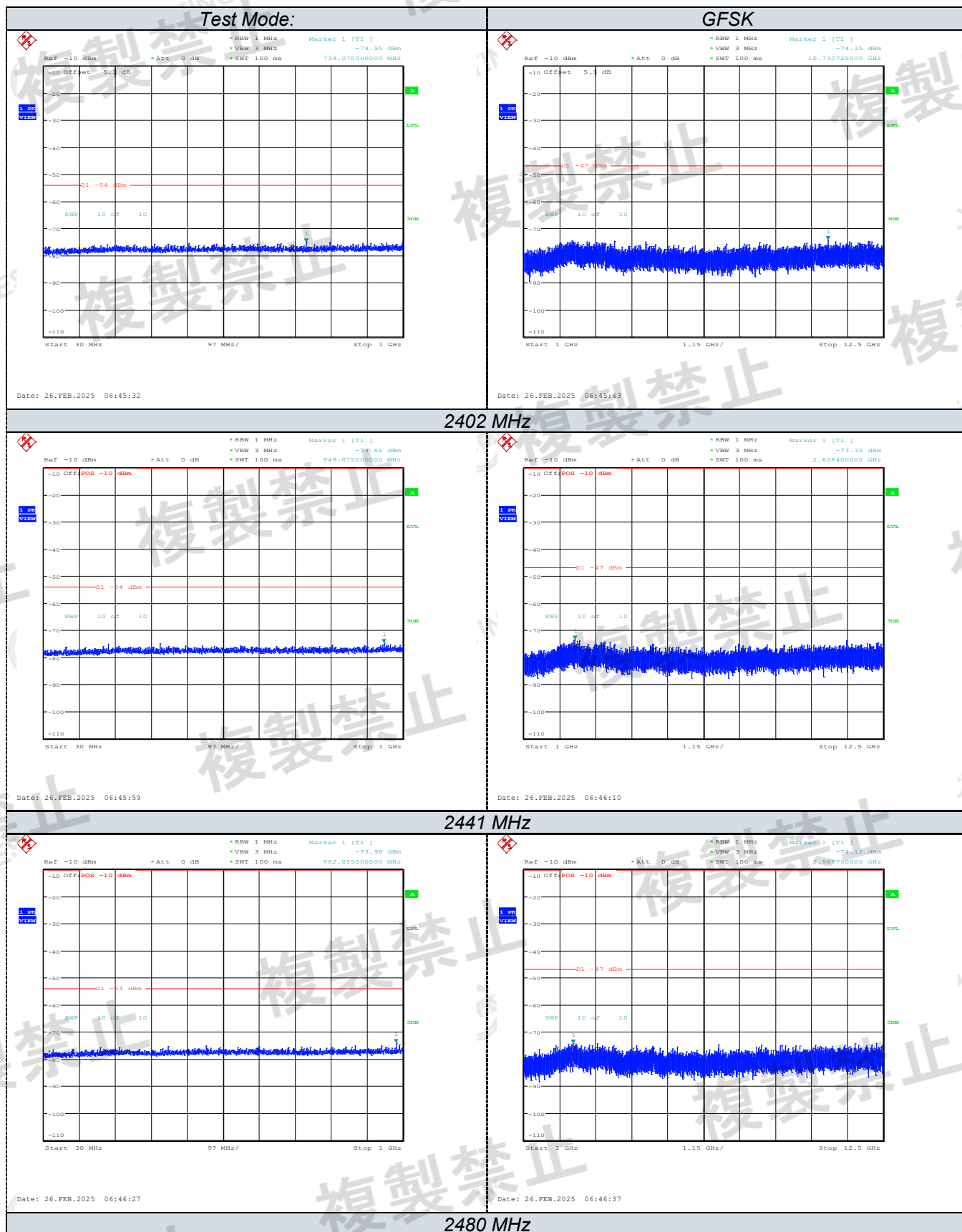
Sweep time: Auto

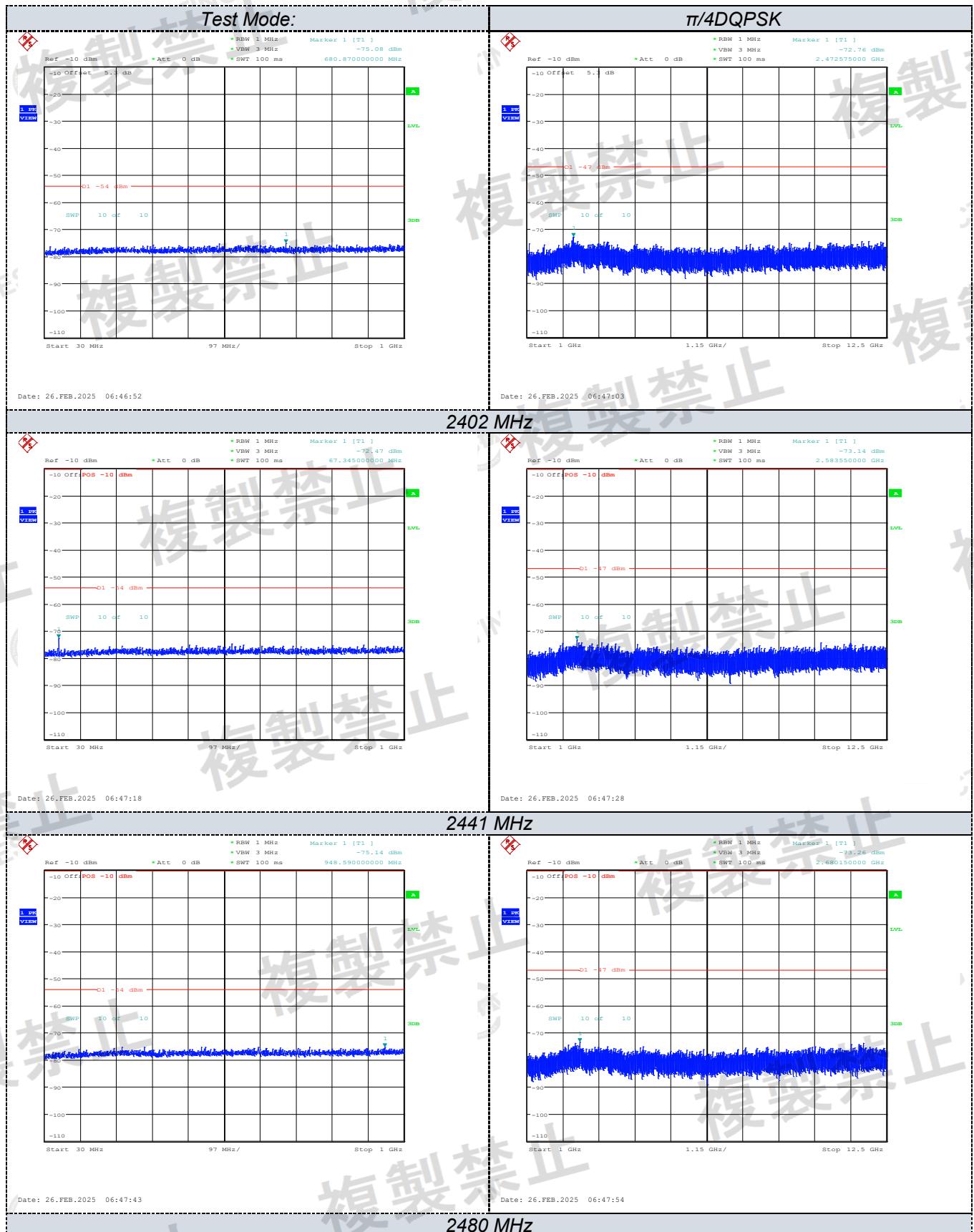
Detector mode: Positive peak

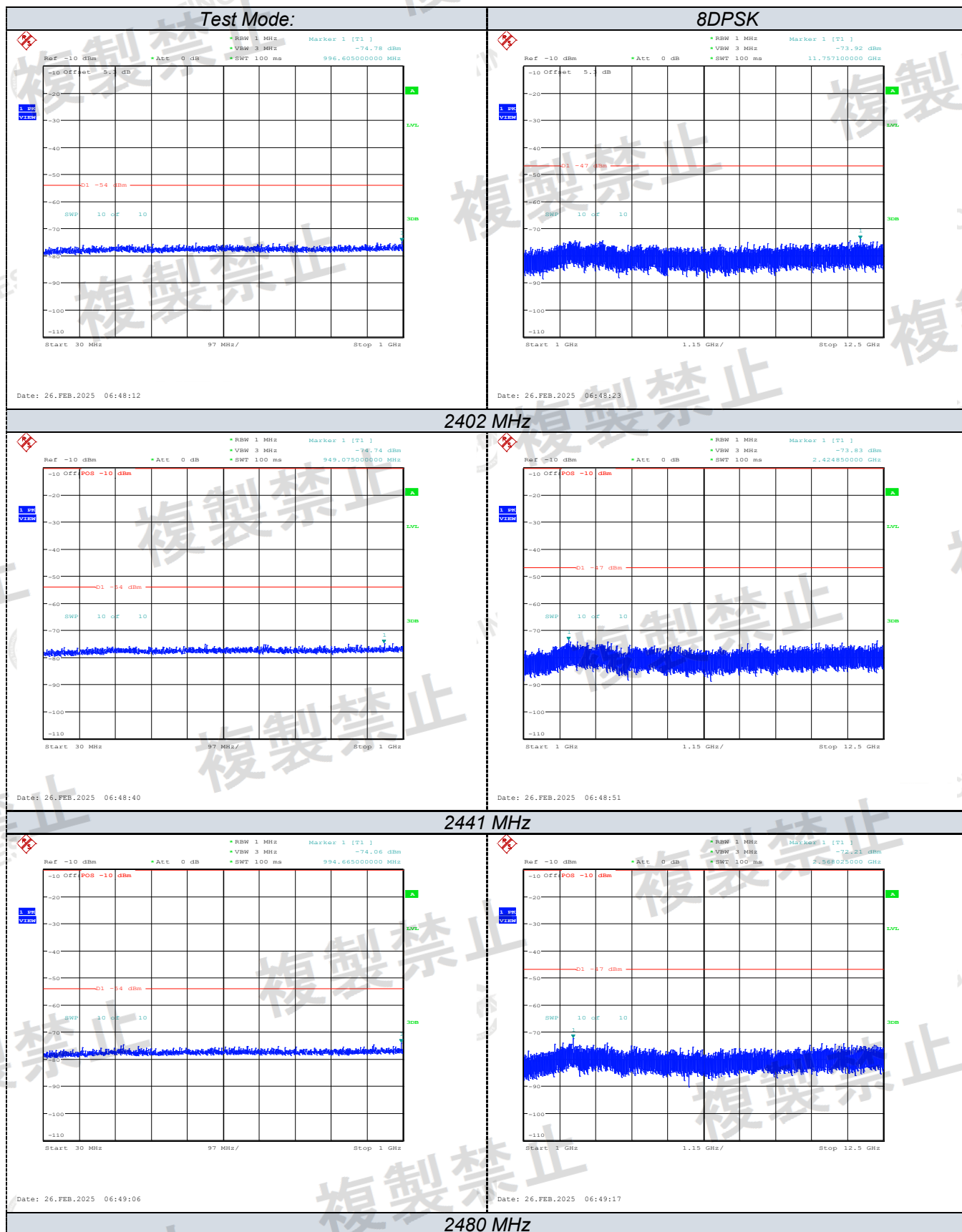
Indication mode: max hold

TEST RESULTS

Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	739.07	-74.95	≤-54	0.03199	≤4	PASS
				1000~12500	10730.73	-74.15	≤-47	0.03846	≤20	PASS
			2441	30~1000	949.08	-74.66	≤-54	0.03420	≤4	PASS
				1000~12500	2628.40	-73.35	≤-47	0.04624	≤20	PASS
			2480	30~1000	982.06	-73.98	≤-54	0.03999	≤4	PASS
				1000~12500	2569.75	-74.12	≤-47	0.03873	≤20	PASS
	2DH5	Ant1	2402	30~1000	680.87	-75.08	≤-54	0.03105	≤4	PASS
				1000~12500	2472.58	-72.76	≤-47	0.05297	≤20	PASS
			2441	30~1000	67.35	-72.47	≤-54	0.05662	≤4	PASS
				1000~12500	2583.55	-73.14	≤-47	0.04853	≤20	PASS
			2480	30~1000	948.59	-75.14	≤-54	0.03062	≤4	PASS
				1000~12500	2680.15	-73.26	≤-47	0.04721	≤20	PASS
	3DH5	Ant1	2402	30~1000	996.61	-74.78	≤-54	0.03327	≤4	PASS
				1000~12500	11757.10	-73.92	≤-47	0.04055	≤20	PASS
			2441	30~1000	949.08	-74.74	≤-54	0.03357	≤4	PASS
				1000~12500	2424.85	-73.83	≤-47	0.04140	≤20	PASS
			2480	30~1000	994.67	-74.06	≤-54	0.03926	≤4	PASS
				1000~12500	2568.03	-72.21	≤-47	0.06012	≤20	PASS







3.7 Construction Protection Method

REQUIREMENT

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

CONFIRMATION METHOD

all high-frequency section and modulation section was shielded by metal shield. As follow:



3.8 Interference Prevention Function

REQUIREMENT

Clarify the one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

Item	Limits
Identification code	≥ 48 bits

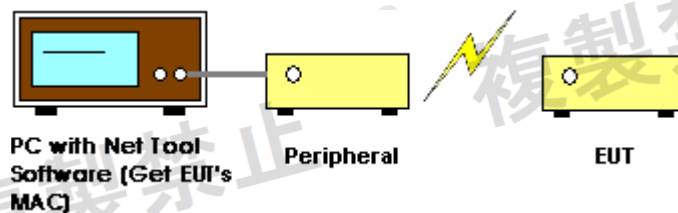
CONFIRMATION METHOD

A communication link was made where the ID code is correct (Identical).

TEST PROCEDURE

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

TEST CONFIGURATION



TEST RESULTS

PASS

MAC: C5: 2A: 6D: E4: 1C: B3

3.9 Carrier Sensing Function

LIMIT

Item	Limits
Carrier Sense	Good – EUT stop RF transmission signal after carrier inject to EUT. (On $22.79+Gr-20*\log(f)$ [dBm] (Gr: dBi; f: MHz) or 100mV/m)

INSTRUMENTS SETTING

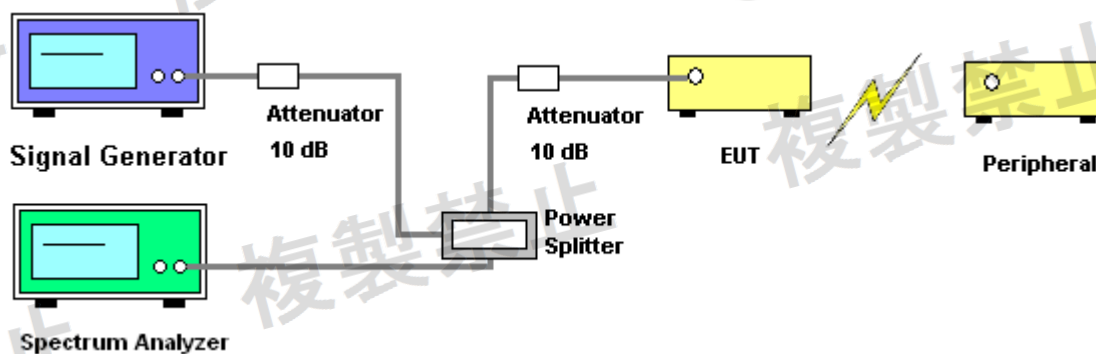
The following table is the setting of spectrum analyser and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz
Span	0 MHz
Sweep	Continuous
Detector	Peak
Trigger mode	Video

TEST PROCEDURE

1. SSG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SSG and power level is (On $22.79+Gr-20*\log(f)$ [dBm] (Gr: dBi; f: MHz). Then turn off the RF signal of SSG.
2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. Setting of SA is following as: RB: 1MHz / VB: 1MHz / SPAN: 50MHz / AT: 10dB / Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak.
4. SSG RF Signal On.
5. EUT shall be stop the transmitted any signal and SSG RF Signal Off. Then EUT will be continuous transmitted signal.

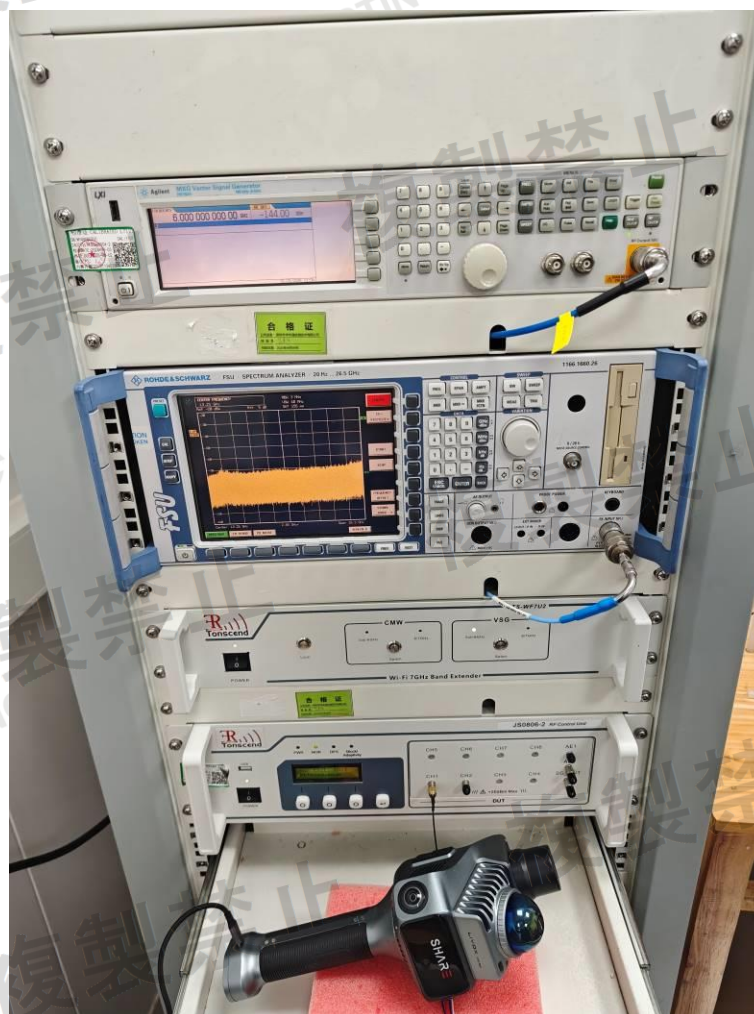
TEST CONFIGURATION



TEST RESULTS

Not Applicable.

4 Test Setup Photos of the EUT



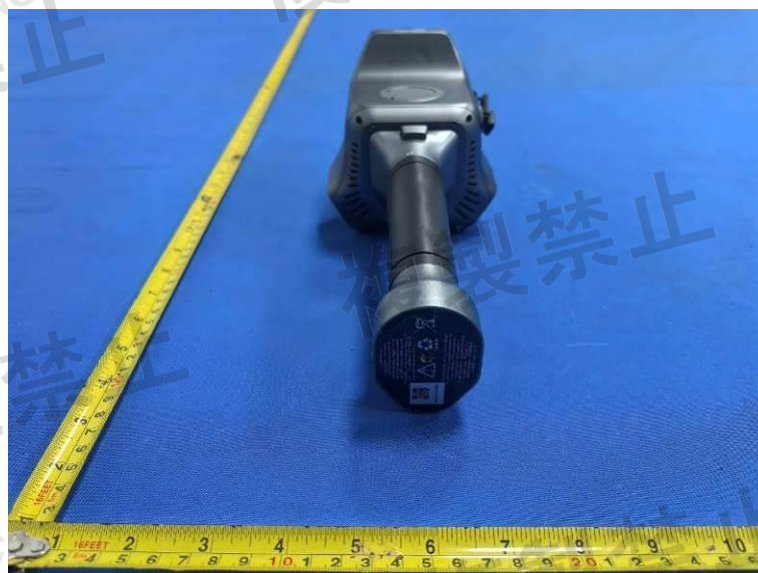
5 Photos of the EUT



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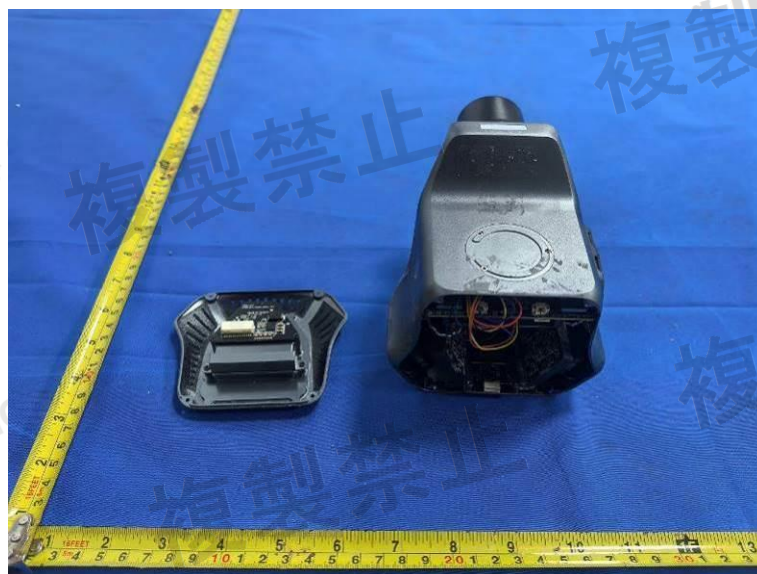
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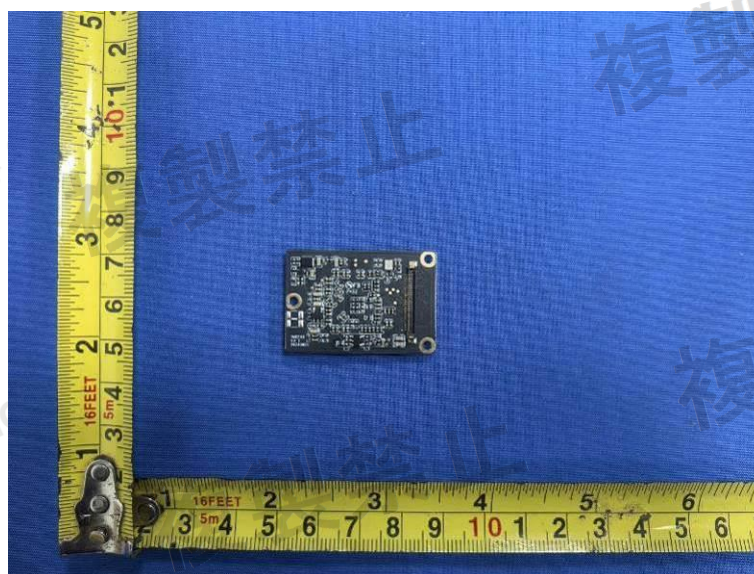
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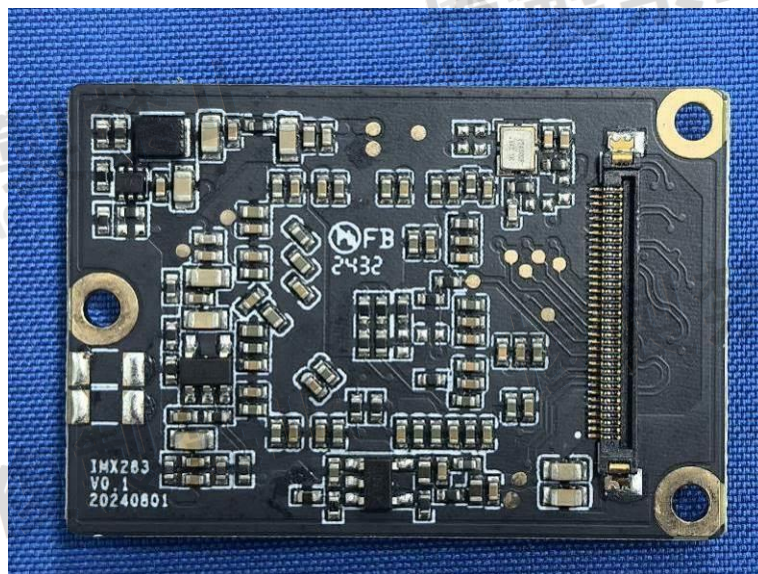
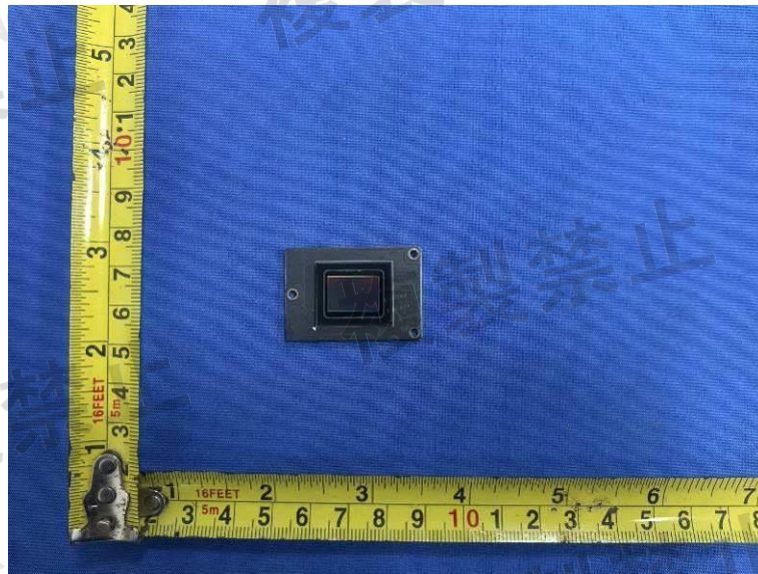
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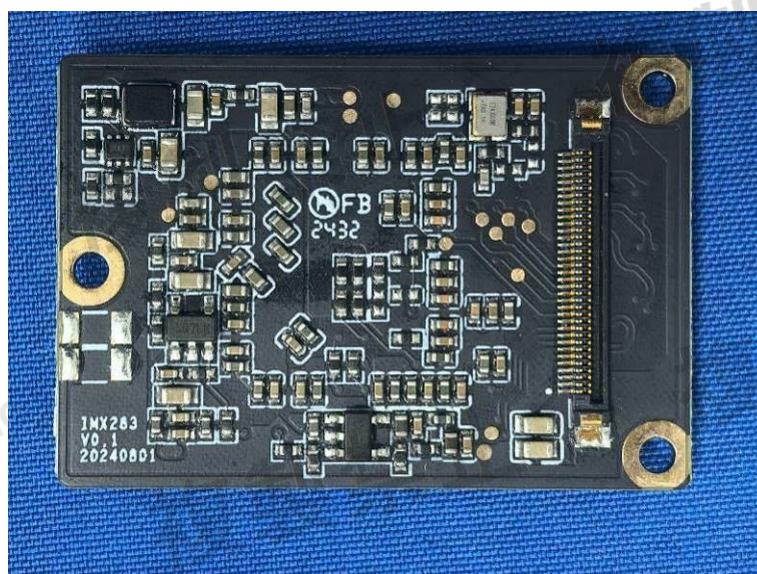
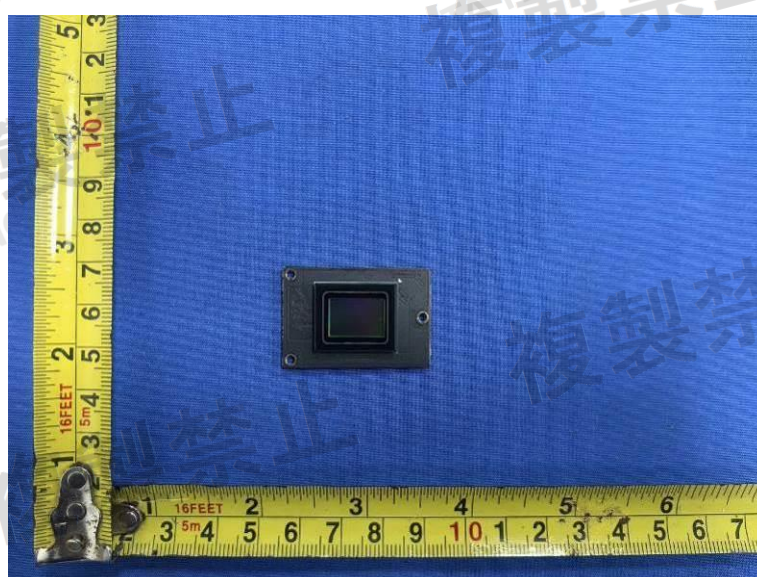
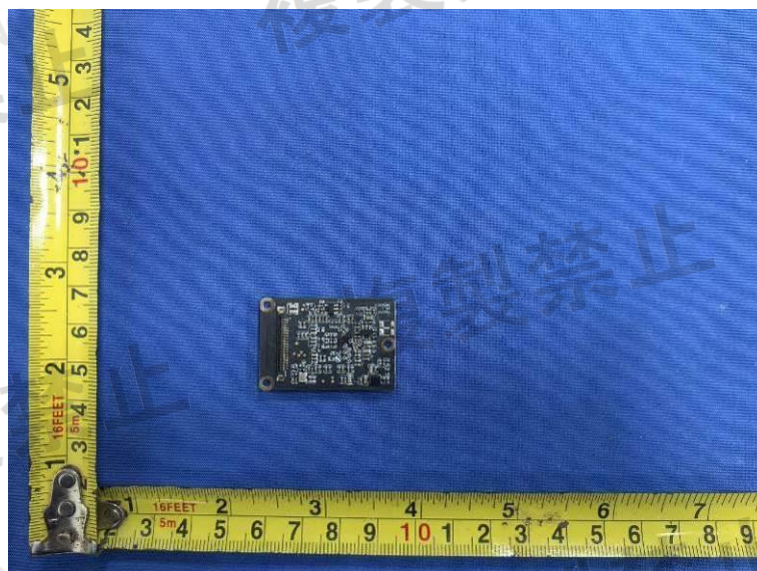
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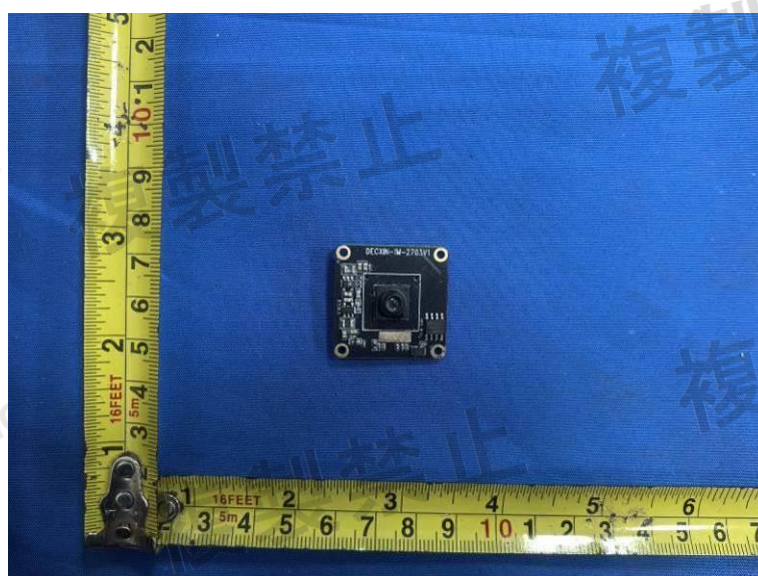


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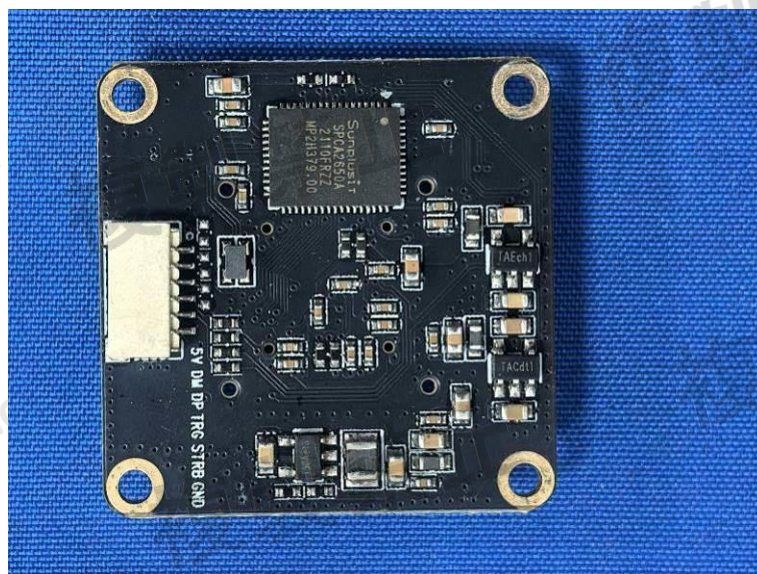
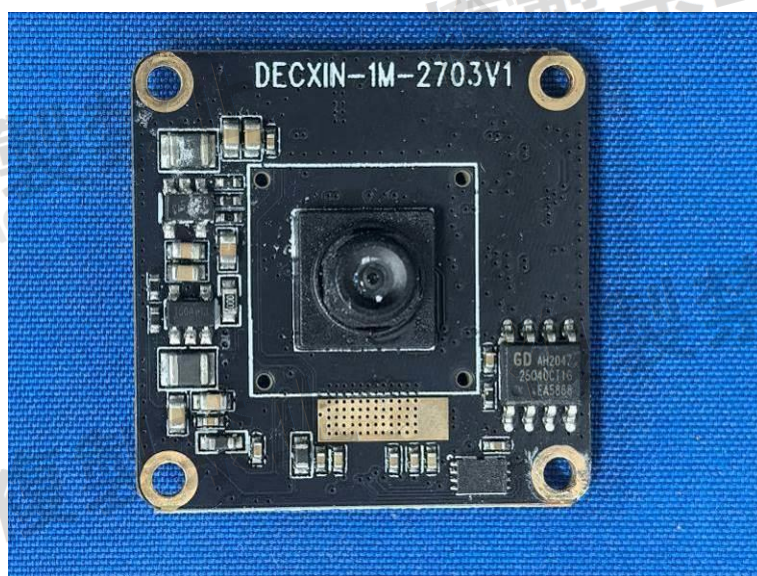
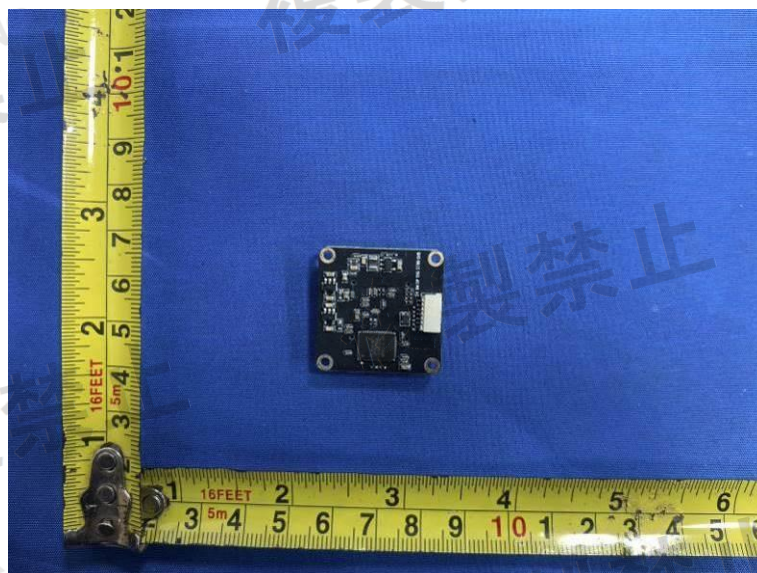




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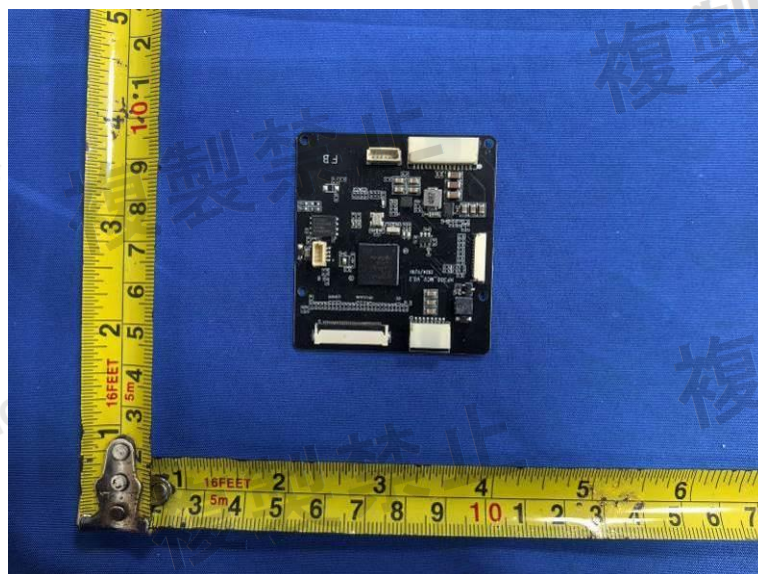
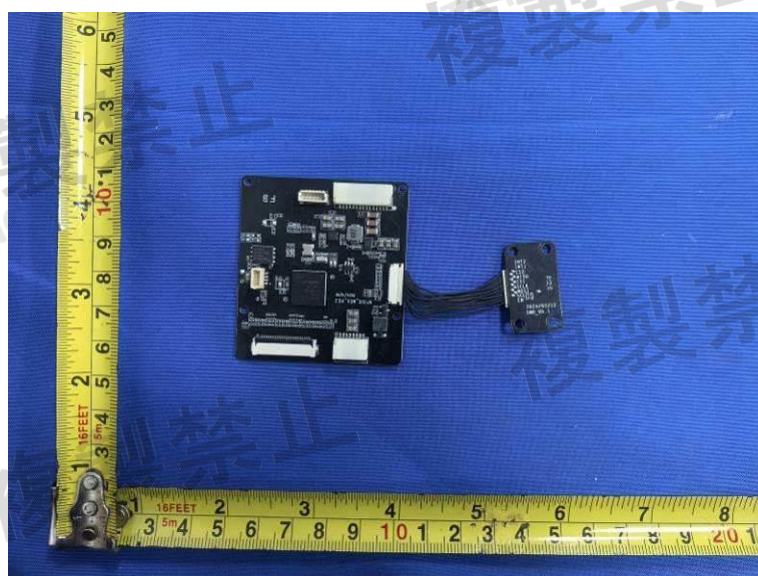
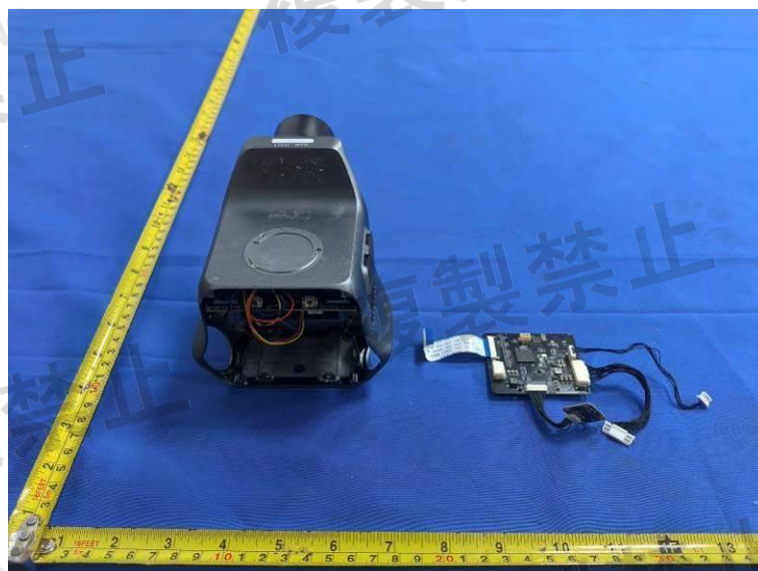
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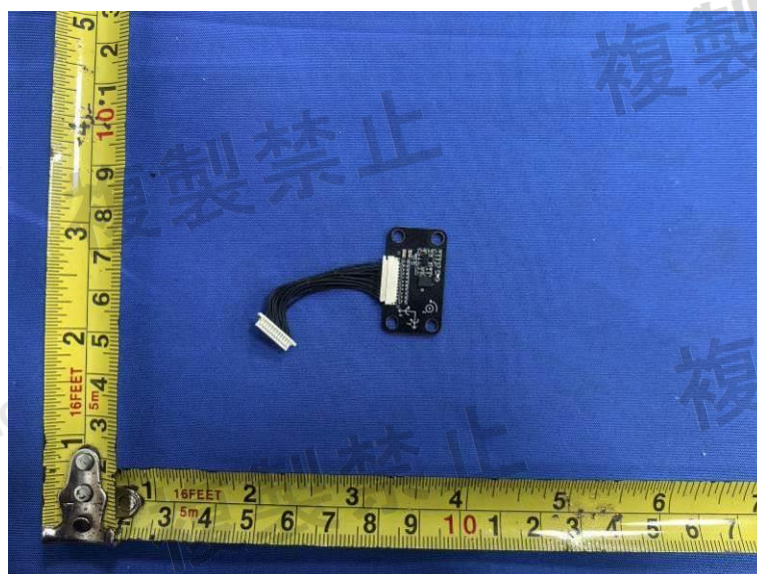
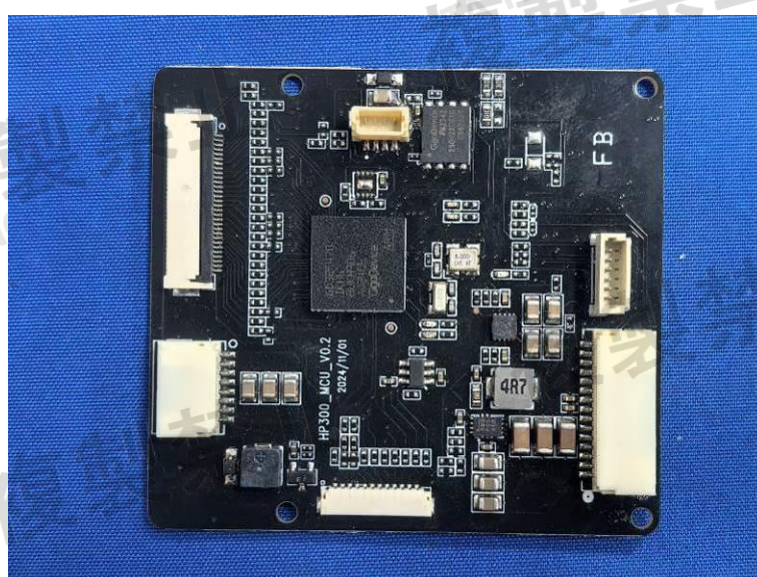
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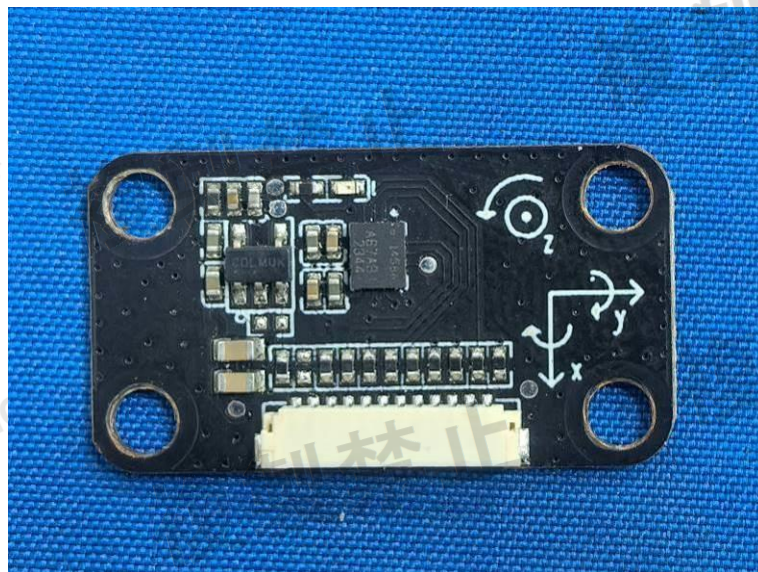
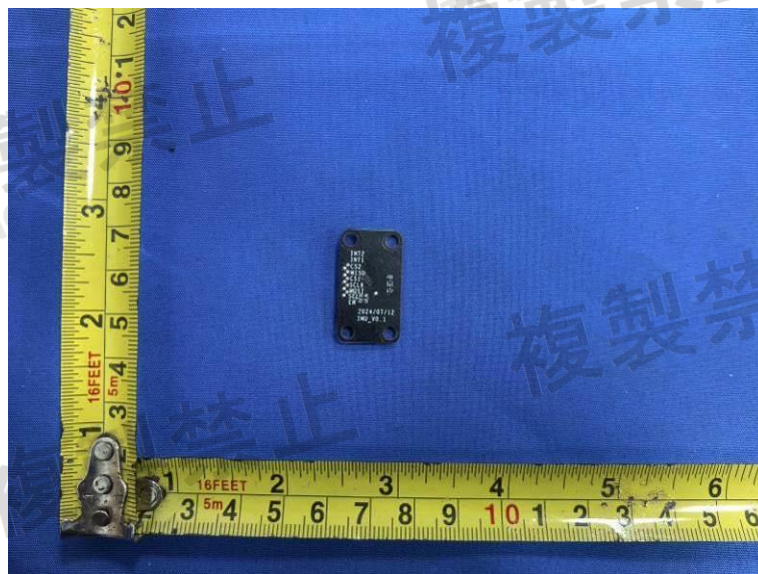
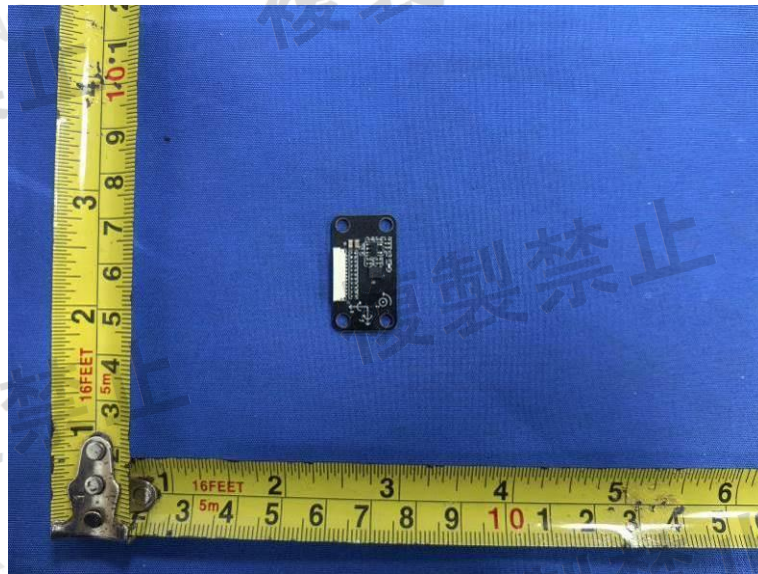
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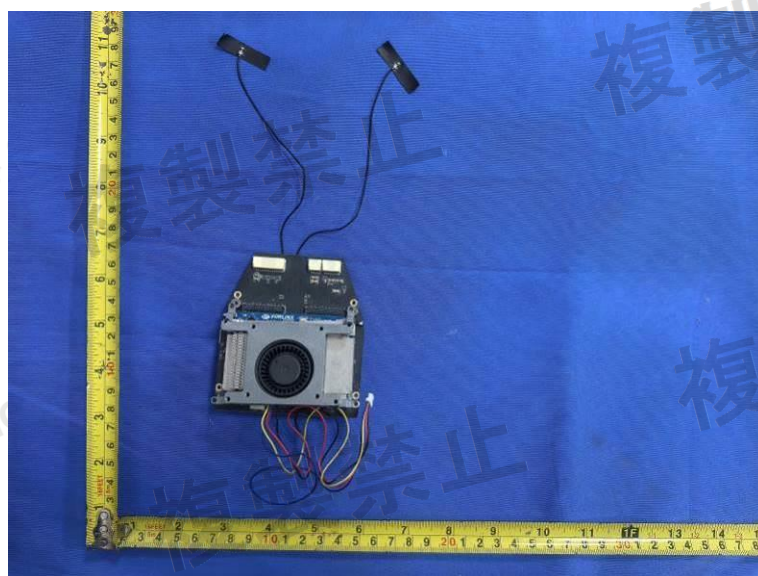
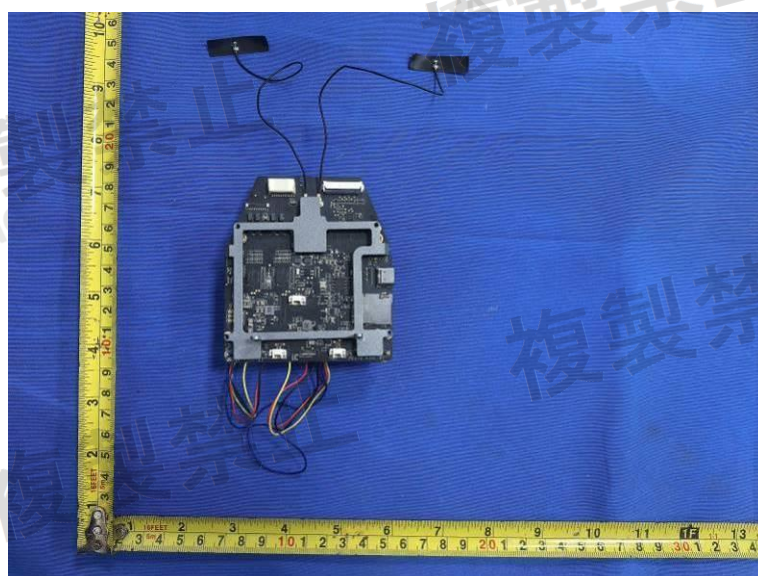
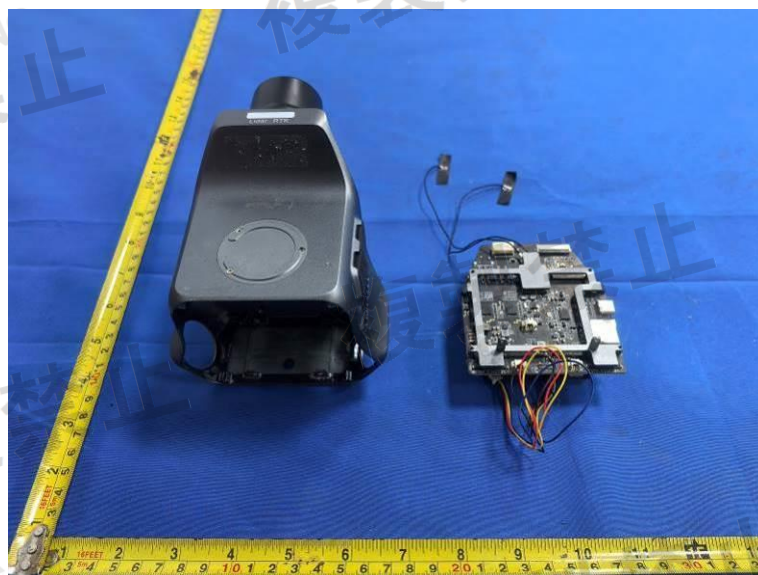


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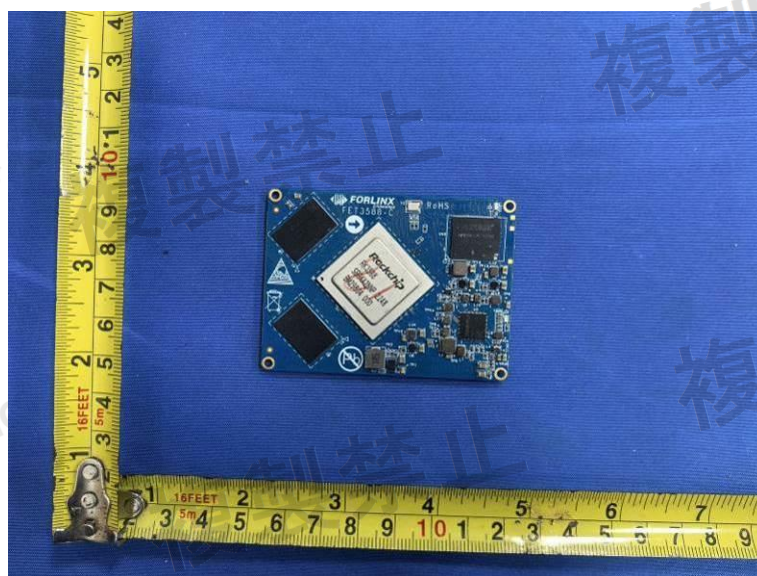
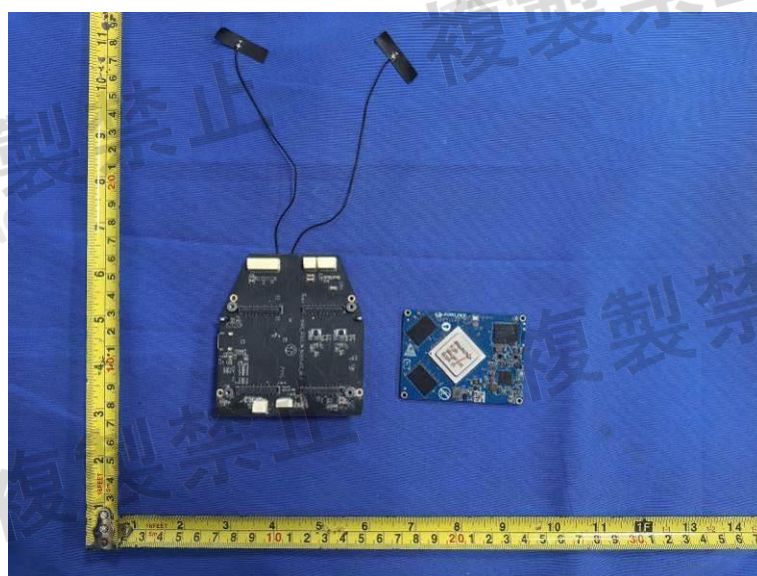
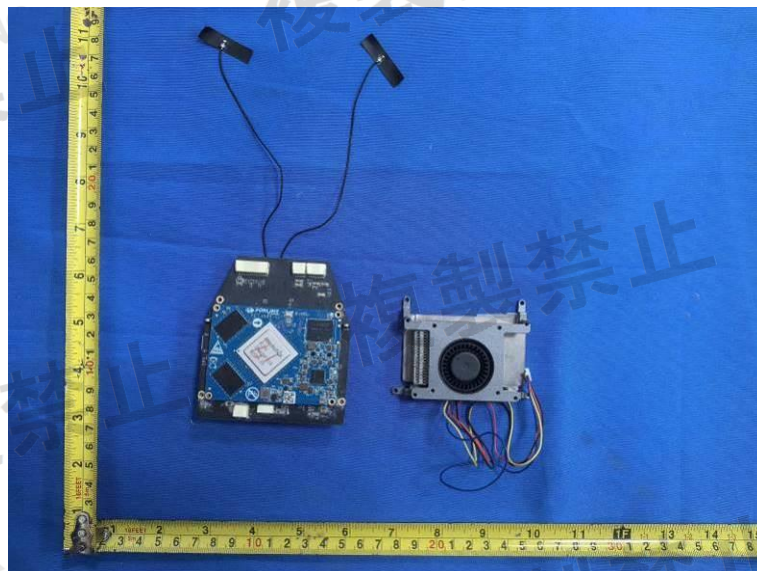




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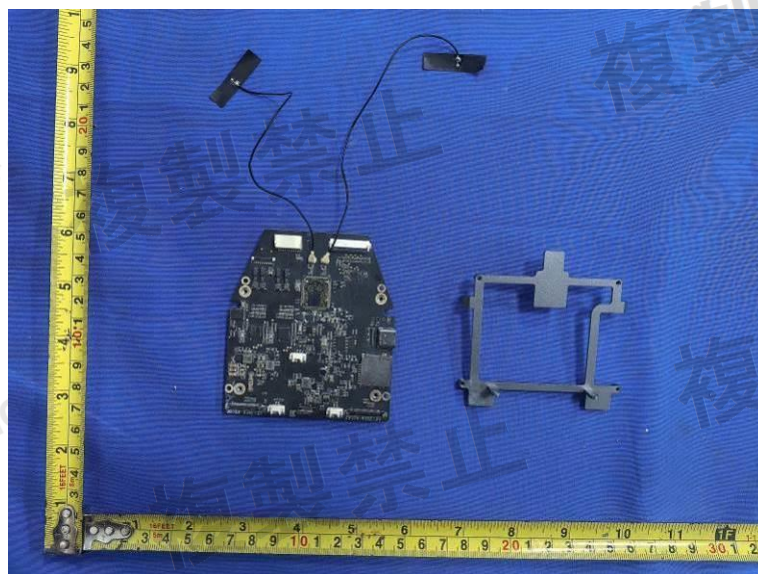
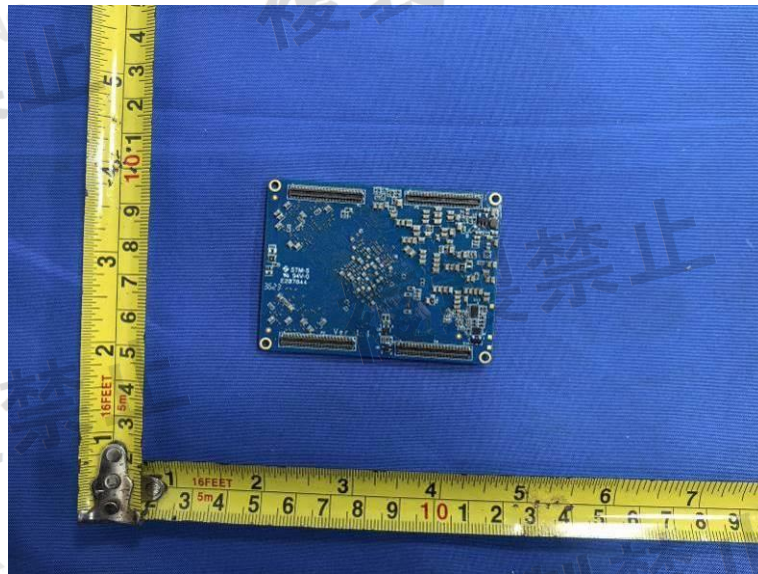
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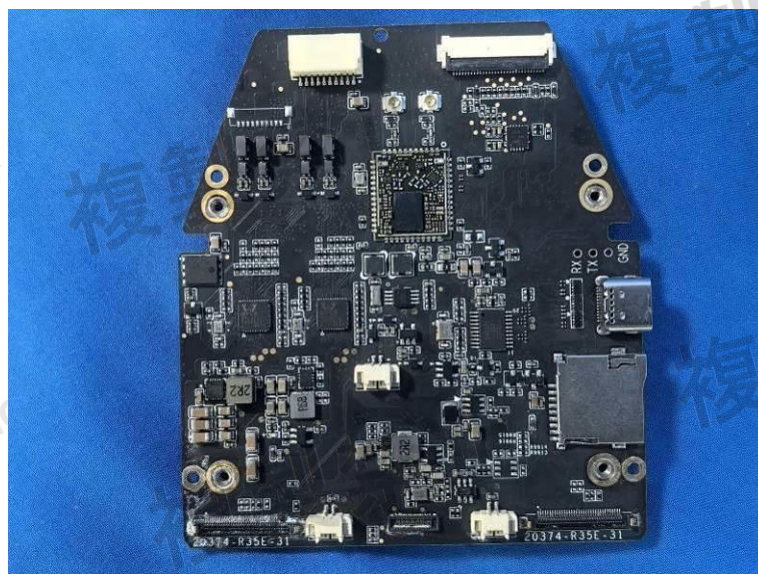
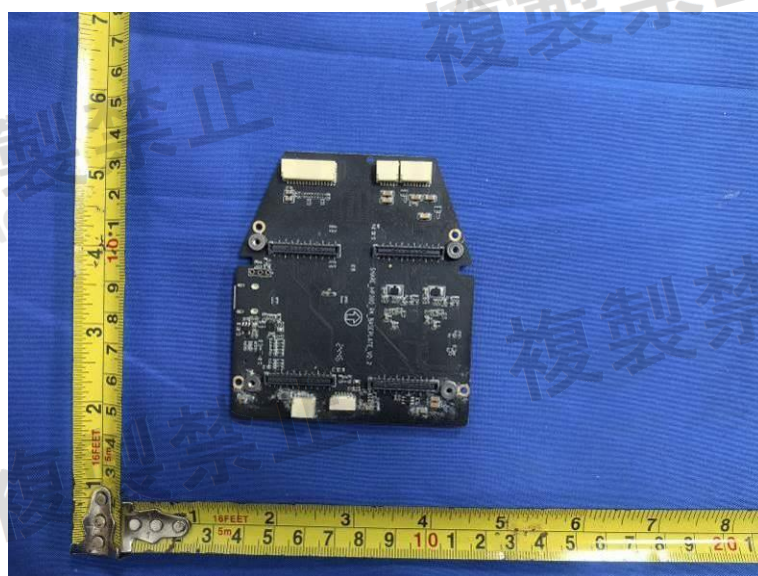
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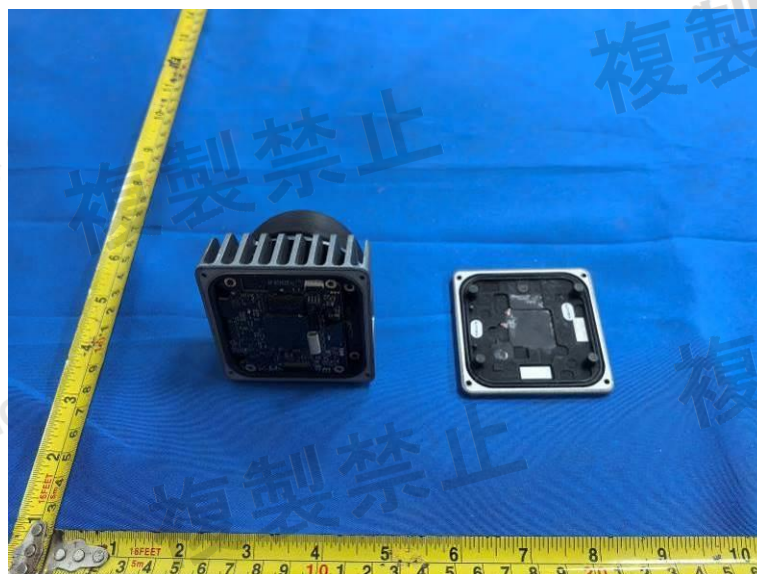
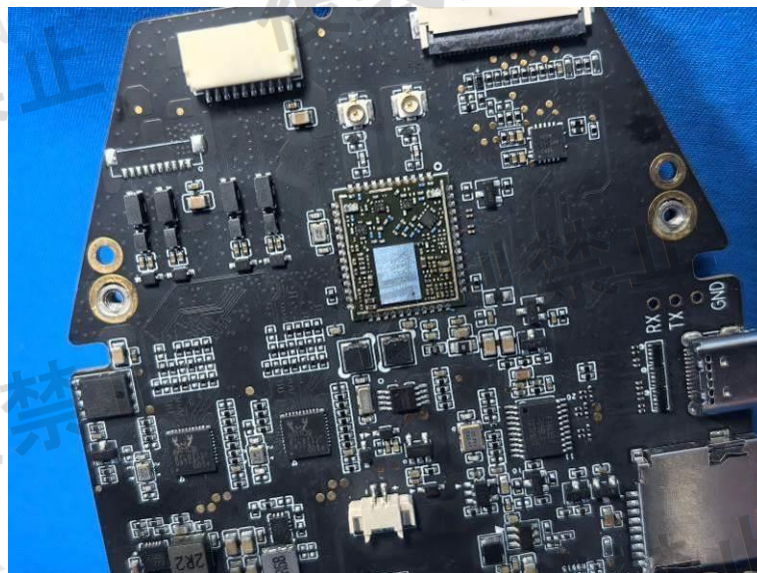
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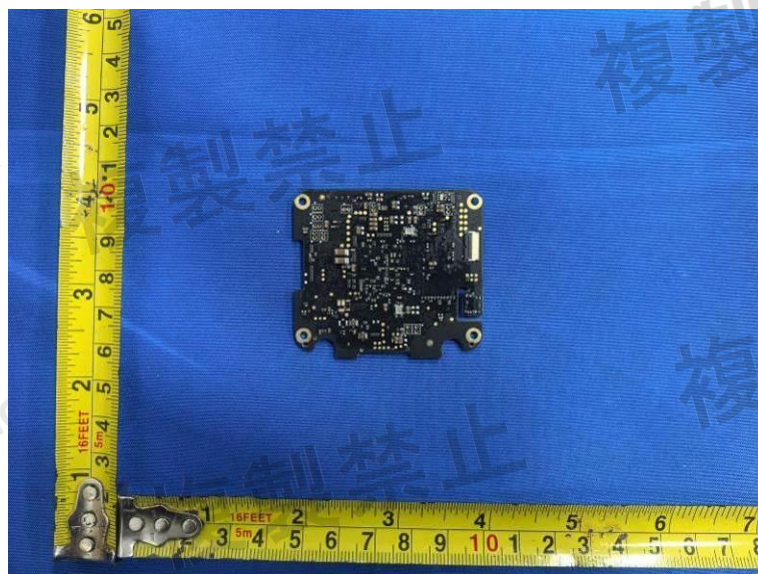
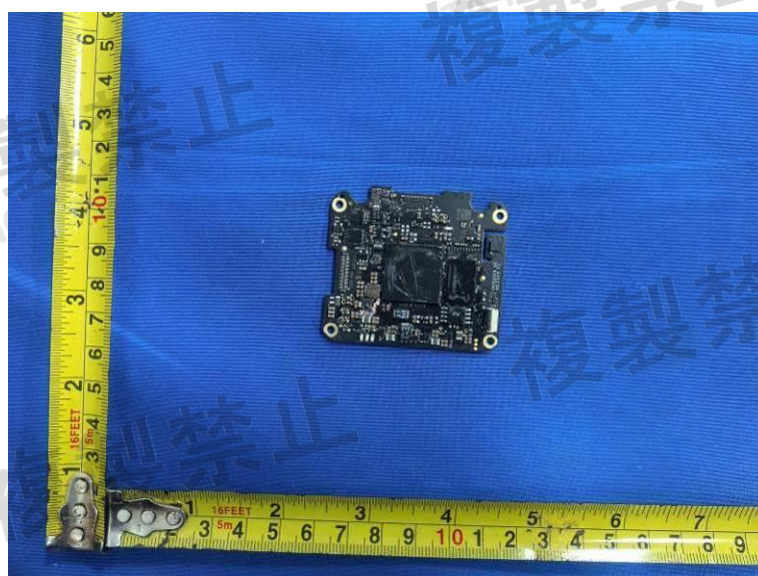
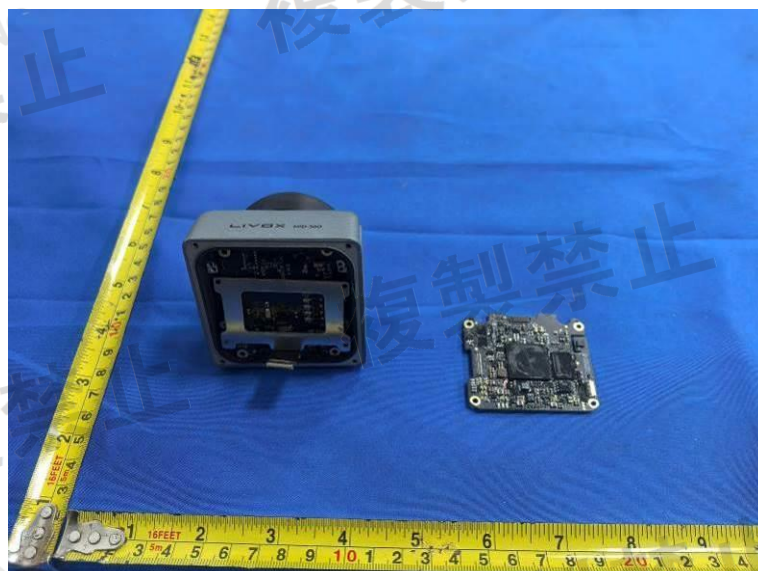
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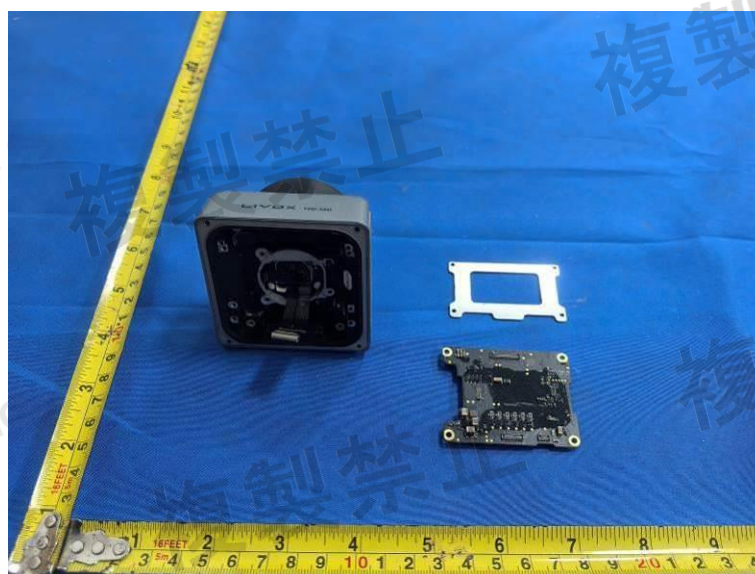
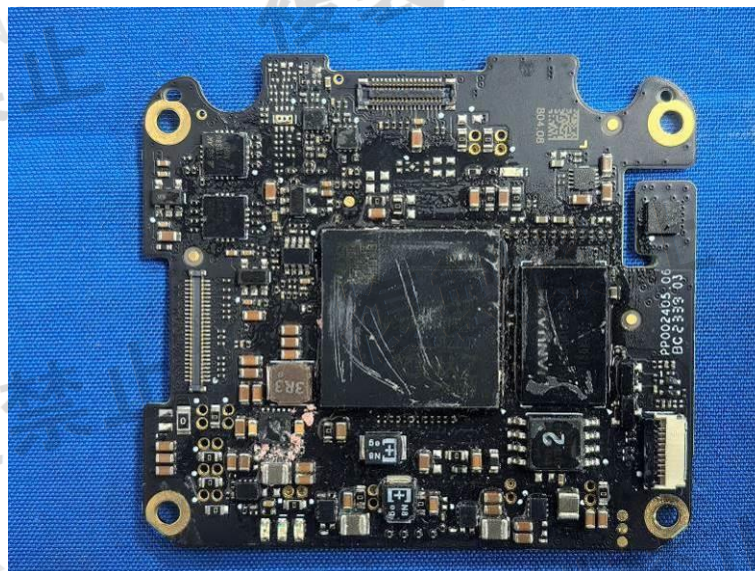
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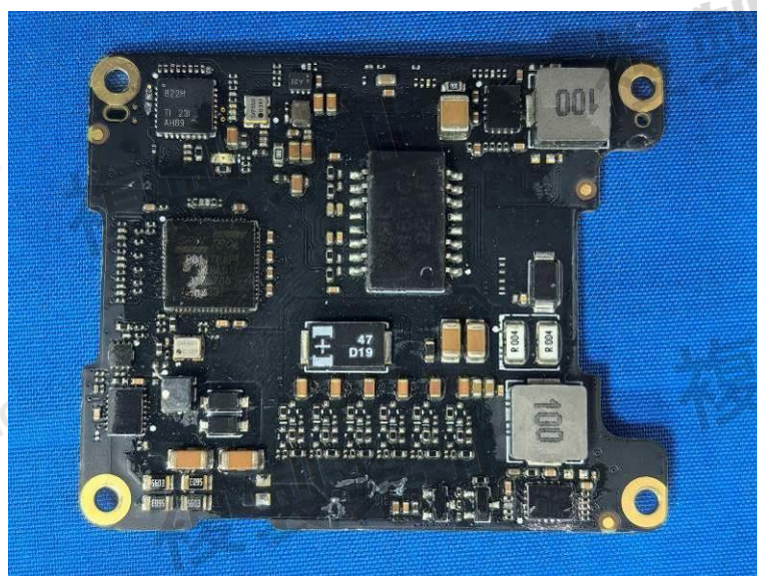
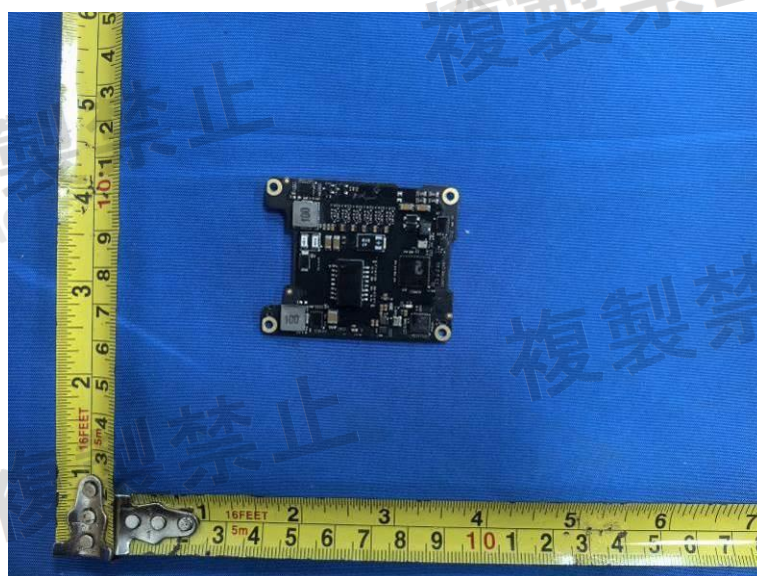
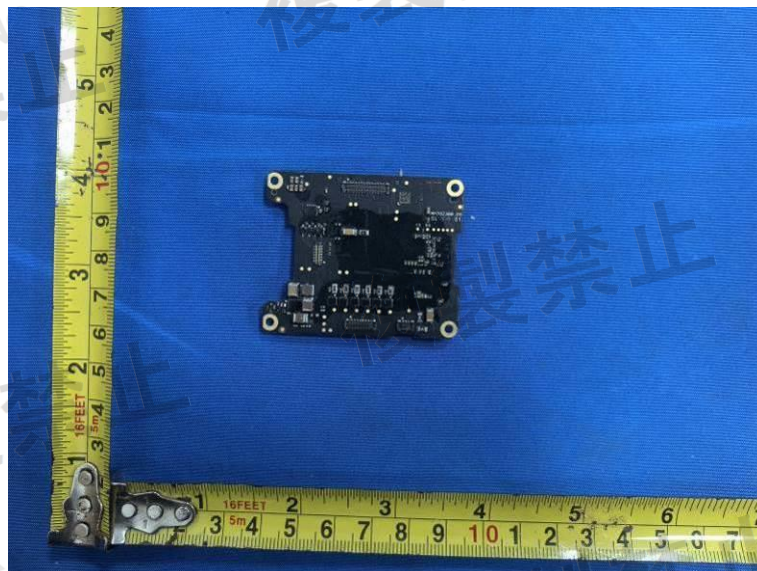
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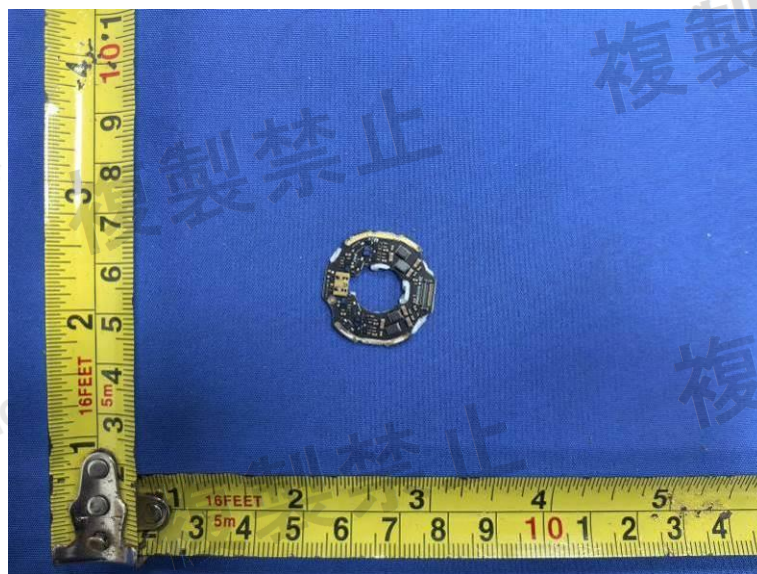
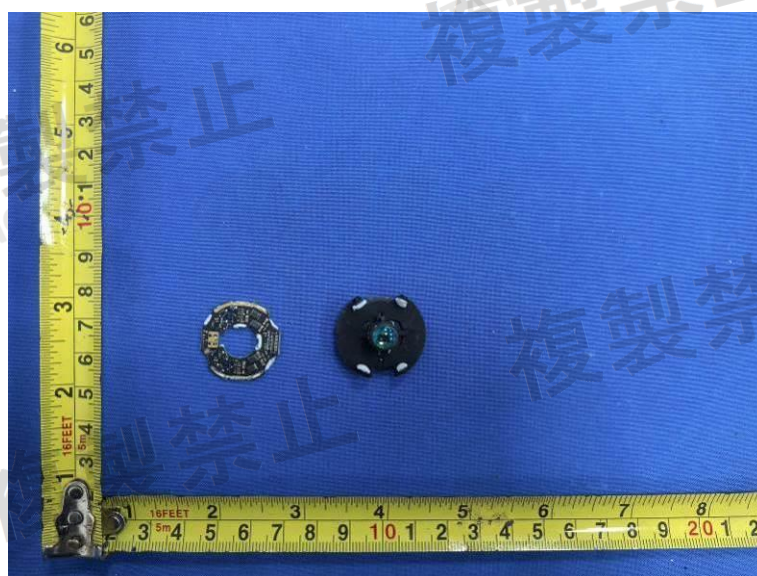
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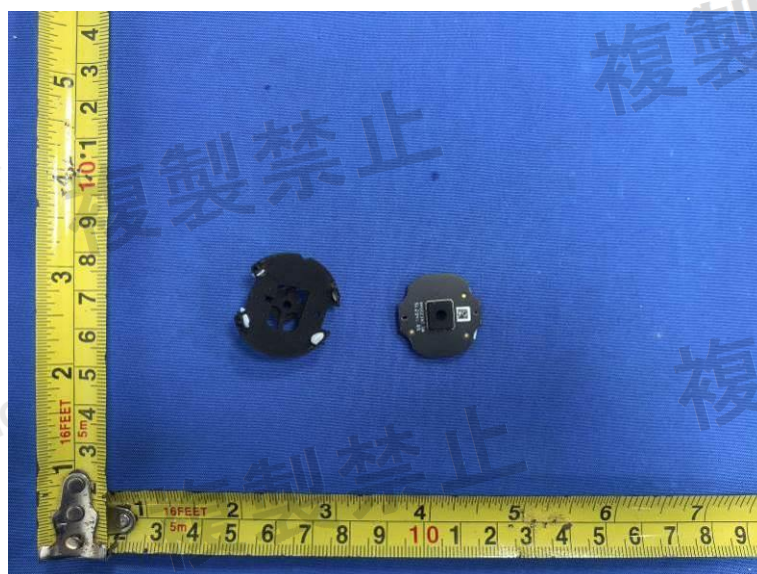
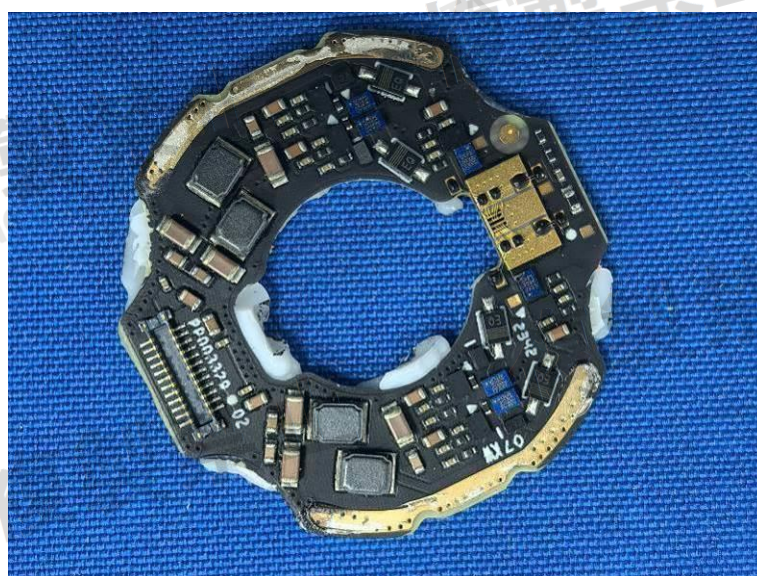
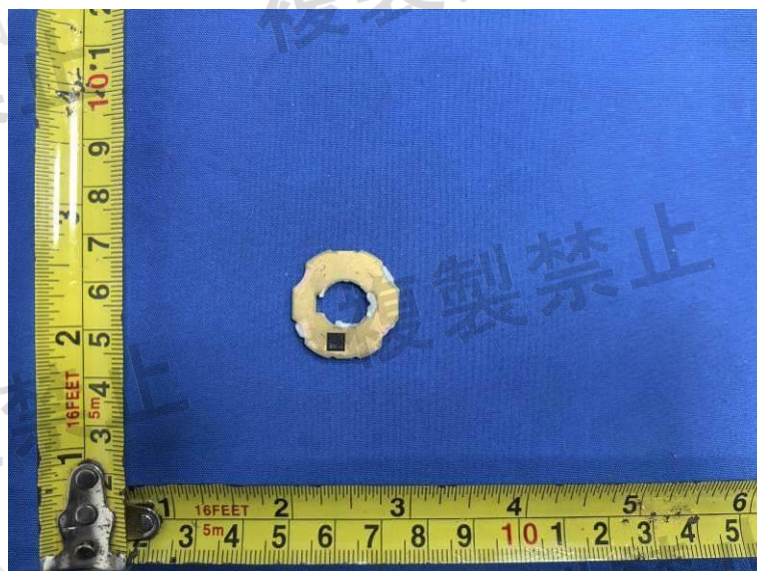
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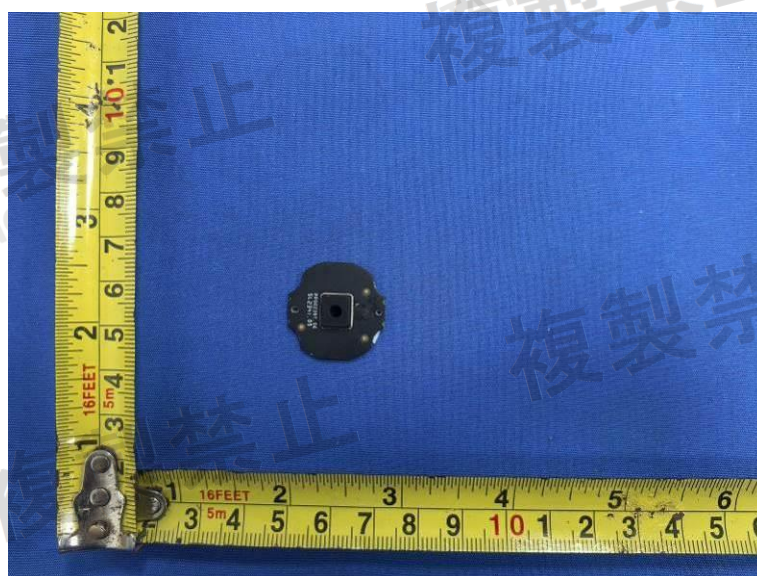
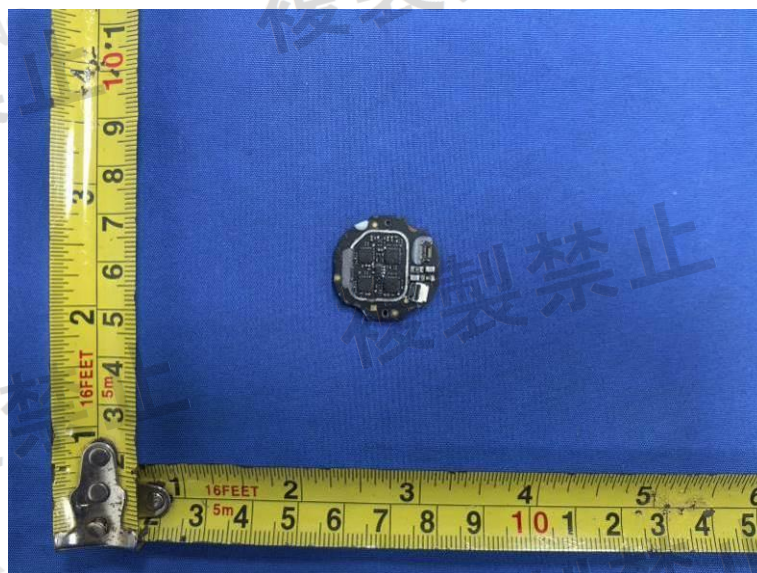
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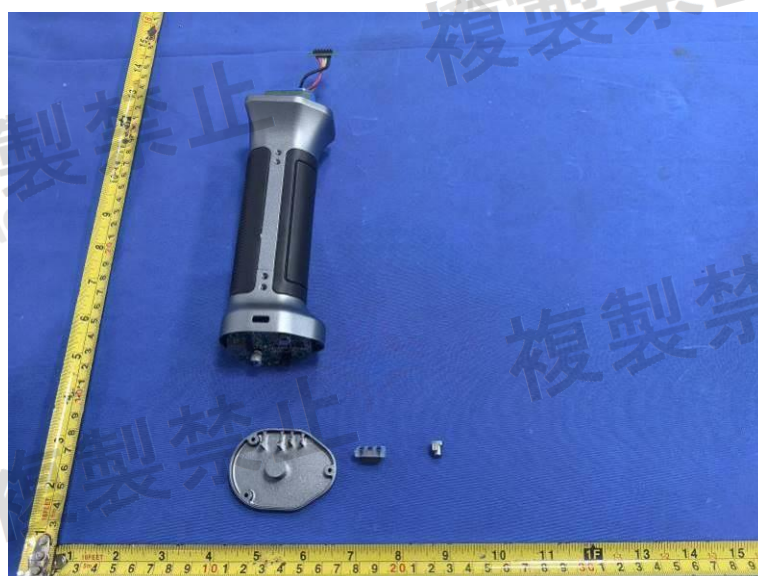
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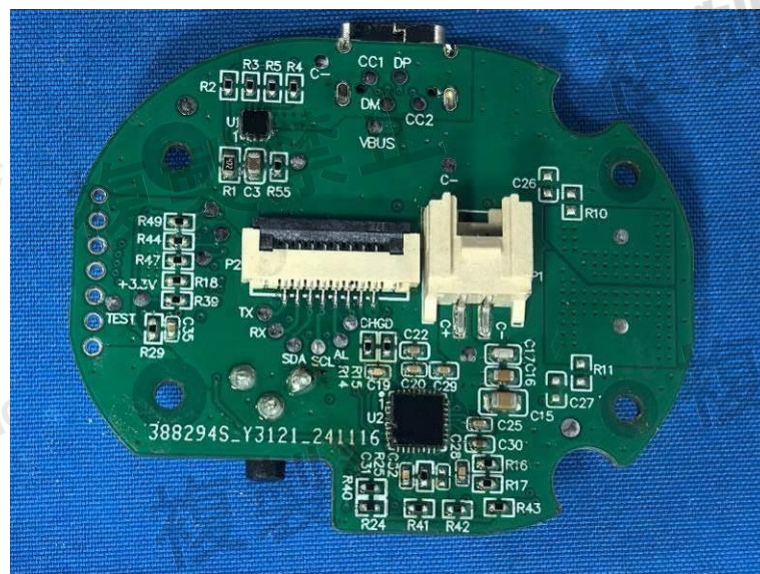
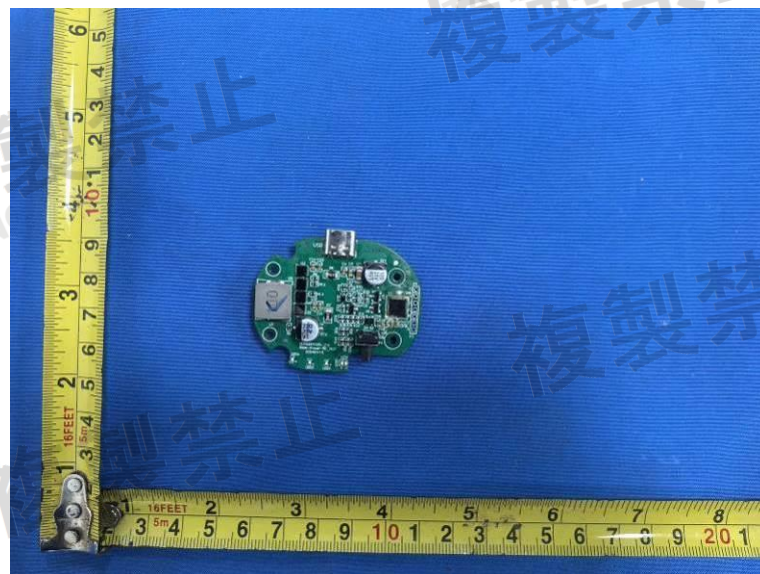
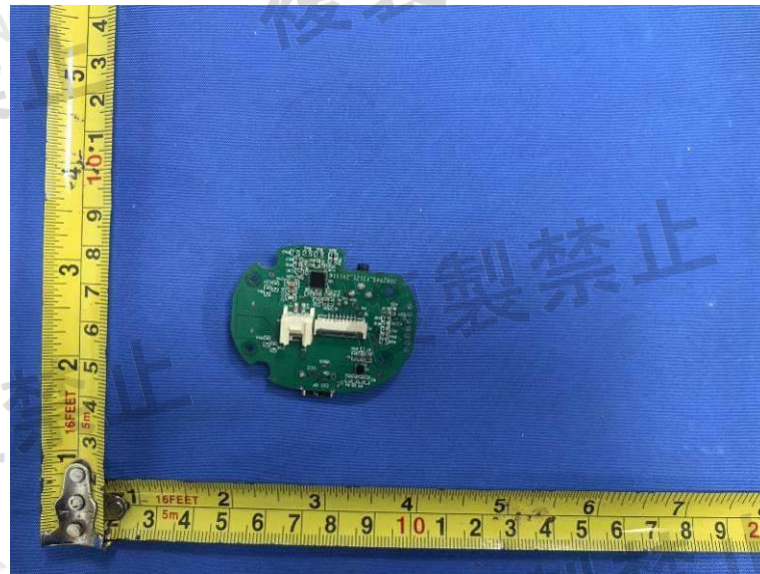
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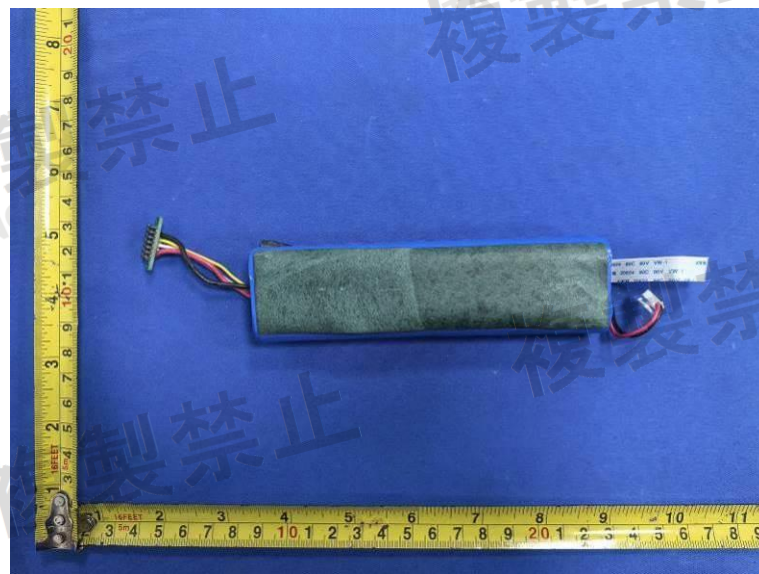


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***** End of Report *****