



RADIO TEST REPORT

Applicant	:	Arashi Vision Inc.
Address of Applicant	:	11th Floor, Building 2, Jinlitong Financial Center, Bao'an District, 518000 Shenzhen, Guangdong, China
Manufacturer	:	Arashi Vision Inc.
Address of Manufacturer	:	11th Floor, Building 2, Jinlitong Financial Center, Bao'an District, 518000 Shenzhen, Guangdong, China
Equipment under Test	:	Insta360 POV Head Tracker
Model No.	:	CINSFAVL
Test Standard(s)	:	Item 19 of Article 2 Paragraph 1 MIC Notification 88 ANNEX 43.
Report No.	:	DDT-RE26032201-4E04
Issue Date	:	2026/06/04
Issued By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	Arashi Vision Inc.
Address of Applicant	:	11th Floor, Building 2, Jinlitong Financial Center, Bao'an District, 518000 Shenzhen, Guangdong, China
Equipment under Test	:	Insta360 POV Head Tracker
Model No.	:	CINSFAVL
Manufacturer	:	Arashi Vision Inc.
Address of Manufacturer	:	11th Floor, Building 2, Jinlitong Financial Center, Bao'an District, 518000 Shenzhen, Guangdong, China

Test Standard Used:

Item 19 of Article 2 Paragraph 1, MIC Notification 88, ANNEX 43.

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE26032201-4E04		
Date of Receipt:	2026/03/31	Date of Test:	2026/03/31 - 2026/06/04

Created: Tiger Mo	Reviewed: Johnson Huang	Approved: Ella Gong
		
2026/06/04	2026/06/04	2026/06/04

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/06/04	Ella Gong

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	Frequency Tolerance	Article 5, Annex 1.table 7-8	Apply all equipment	Pass
2	Antenna Power	Article 49-20	Apply all equipment	Pass
3	Antenna Power Tolerance	Article 14. table 8	Apply all equipment	Pass
4	Spreading Bandwidth	Just for report	Just for report	N/A
5	Occupied Bandwidth	Article 6, Annex 2.30	Apply all equipment	Pass
6	Dwell Time	Article 49-20	Only for Apply FHSS	Pass
7	Spurious Emissions	Article 7, Annex 3.26	Apply all equipment	Pass
8	E.I.R.P.	Article 49-20	Limit is variable by the H.P.B.A	N/A
9	Secondary Radiated Emissions	Article 24.2	Apply all equipment	Pass
10	Half Power Beam Angle	Article 49-20	It is unnecessary to testing, when a E.I.R.P is less than the variable E.R.P limit of minimum.	N/A
11	Transmitting Antenna Absolute Gain	Article 49-20	When an E.I.R.P. is less than the limit, the shortage can be compensated for by the gain of the transmitting antenna	N/A
12	Carrier Sense	Article 49-20	When the E.I.R.P. shortage is compensated by the antenna power, the transmitter shall have a carrier sensing function.	N/A
13	Interference Prevention Function	Article 9-4.5, Article 6-2.3, Article 6-2.5	Apply all equipment	Pass
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	: Insta360 POV Head Tracker
Model Number	: CINSFAVL
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 3.87V from battery and DC 5V from charging case
Hardware Version	: V05
Software Version	: V0.2.1.5
Antenna Type	: FPC
Max Antenna Gain(dBi)	: 0.6

Radio Specification	: Bluetooth BR/EDR
Operation Frequency	: 2402 MHz to 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DPSK

Bluetooth BR/EDR Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	27	2429	54	2456
1	2403	28	2430	55	2457
2	2404	29	2431	56	2458
3	2405	30	2432	57	2459
4	2406	31	2433	58	2460
5	2407	32	2434	59	2461
6	2408	33	2435	60	2462
7	2409	34	2436	61	2463
8	2410	35	2437	62	2464
9	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475

20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454	/	
26	2428	53	2455	/	

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test

EUT

2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: sscom5.13.1.exe

The test software was used to control EUT work in Continuous Tx mode and Rx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Channel, and Frequency			
Tested mode	Setting Tx Power	Channel	Frequency (MHz)
GFSK hopping on Tx mode	2	CH0 to CH78	2402 to 2480
$\pi/4$ -DQPSK hopping on Tx mode	2	CH0 to CH78	2402 to 2480
8DPSK hopping on Tx mode	2	CH0 to CH78	2402 to 2480
GFSK hopping off Tx mode	2	CH0	2402
	2	CH39	2441

$\pi/4$ -DQPSK hopping off Tx mode	2	CH78	2480
	2	CH0	2402
	2	CH39	2441
	2	CH78	2480
8DPSK hopping off Tx mode	2	CH0	2402
	2	CH39	2441
	2	CH78	2480
Rx mode	/	CH0	2402
	/	CH39	2441
	/	CH78	2480

Note: According exploratory test, EUT will have maximum output power in those data rate, worst-case data rates were: GFSK mode: DH5, $\pi/4$ -DQPSK mode: 2DH5, 8DPSK mode: 3DH5

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

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

/	Normal Conditions
Temperature range	23 °C
Humidity range	46%
Power supply	DC 3.87V (When the input voltage to equipment fluctuated $\pm 10\%$, the RF unit circuit voltage fluctuation under 1%, therefore all test performed on the rated voltage for equipment.)

The measurement result of the voltage fluctuation at RF circuit when DC 3.87V $\pm 10\%$.	
Input voltage	RF module voltage
DC 4.257V	DC 3.30V
DC 3.87V	DC 3.30V
DC 3.483V	DC 3.30V

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method) 5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$) 1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V) 4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz) 4.40 dB (6 GHz - 18 GHz) 3.54 dB (18 GHz - 26 GHz) 4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz) 3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

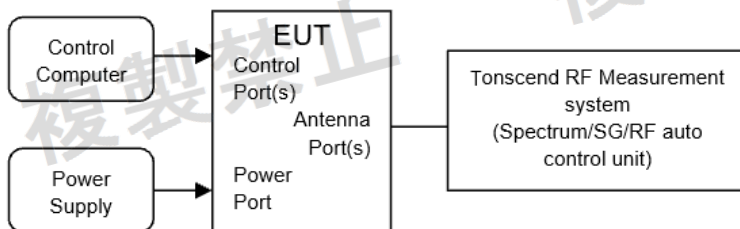
Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒ RF Connected Test (RF Measurement System 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2027/02/28
Wideband Radio Communication Tester	R&S	CMW500	117491	2027/02/28
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2027/02/28
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2027/02/28
RF Control Unit	Tonscend	JS0806-2	158060010	2027/02/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2027/02/28
Test Software	Tonscend	JS1120-3	V3.6.21	N/A
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)				

4. Duty Cycle

4.1. Limit

Test Burst Ratio for Antenna Power calculation.

4.2. Block diagram of test setup



4.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the middle hopping channel.

Resolution BW: 10 MHz.

Video BW: 10 MHz.

Span: Zero span.

Detector: Peak.

Trace Mode: Clear Write.

Sweep: Video Trigger

- (2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

- (3) Calculate dwell time follow below formula:

Duty cycle= Pulse's on time / Burst cycle

4.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

TestMode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
DH5	Ant1	2402	2.88	5.00	57.60
		2441	2.88	5.00	57.60
		2480	2.88	5.00	57.60
2DH5	Ant1	2402	2.89	5.00	57.80
		2441	2.89	5.00	57.80
		2480	2.89	5.00	57.80
3DH5	Ant1	2402	2.89	5.00	57.80
		2441	2.89	5.00	57.80
		2480	2.89	5.00	57.80

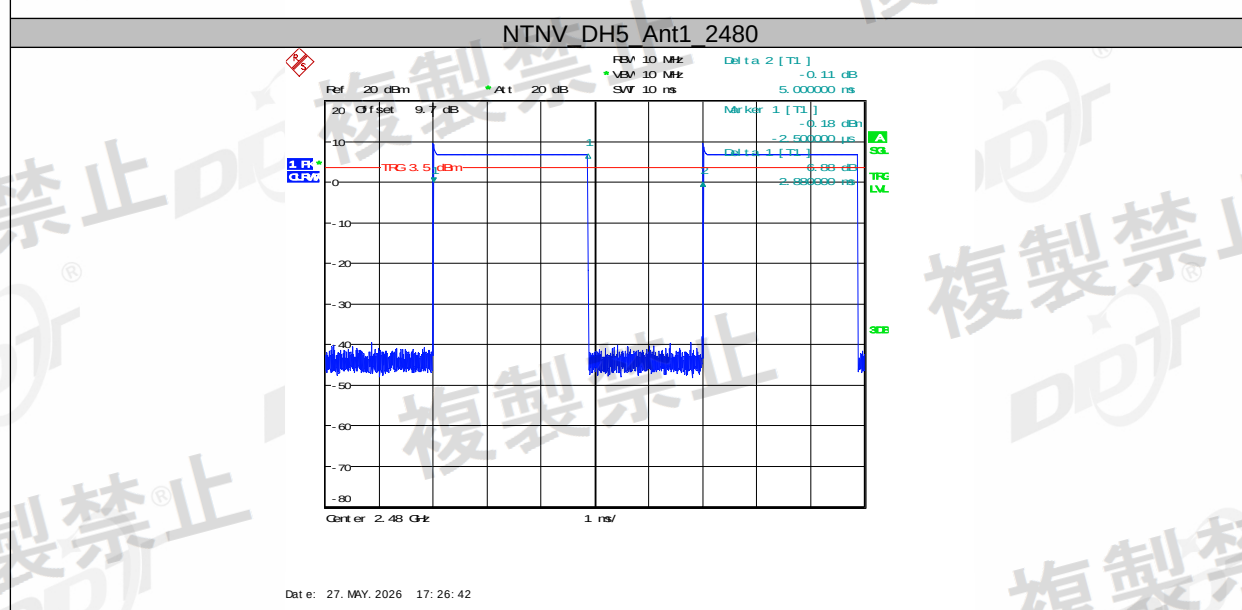
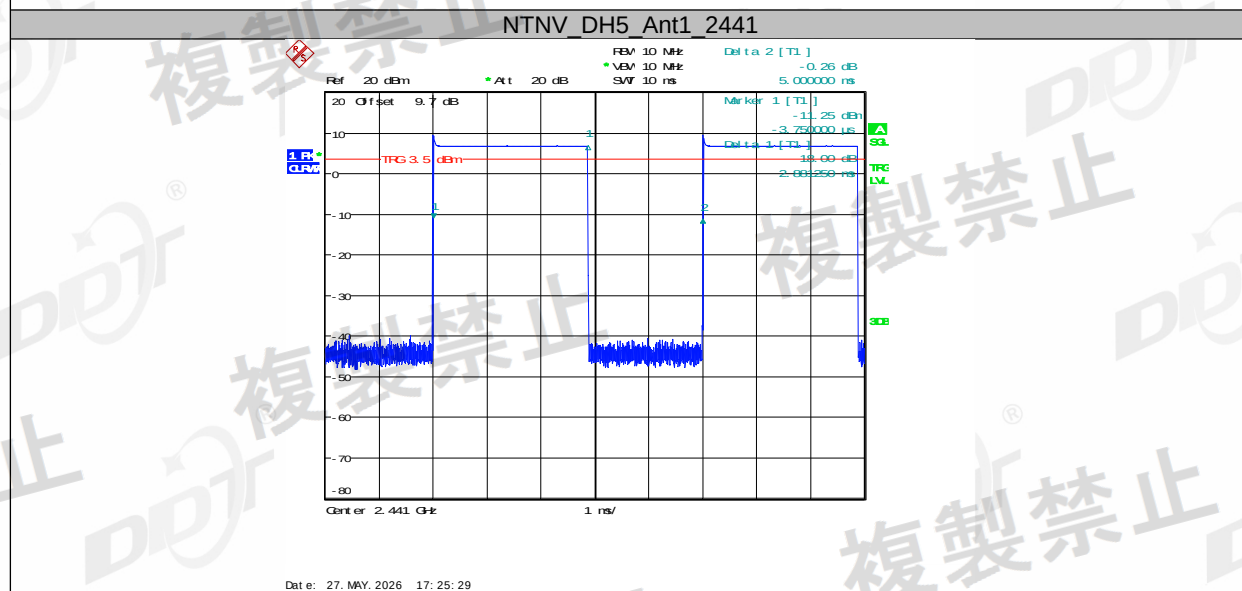
NTVN DH5 Ant1 2402

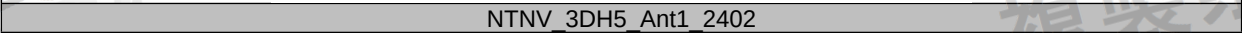
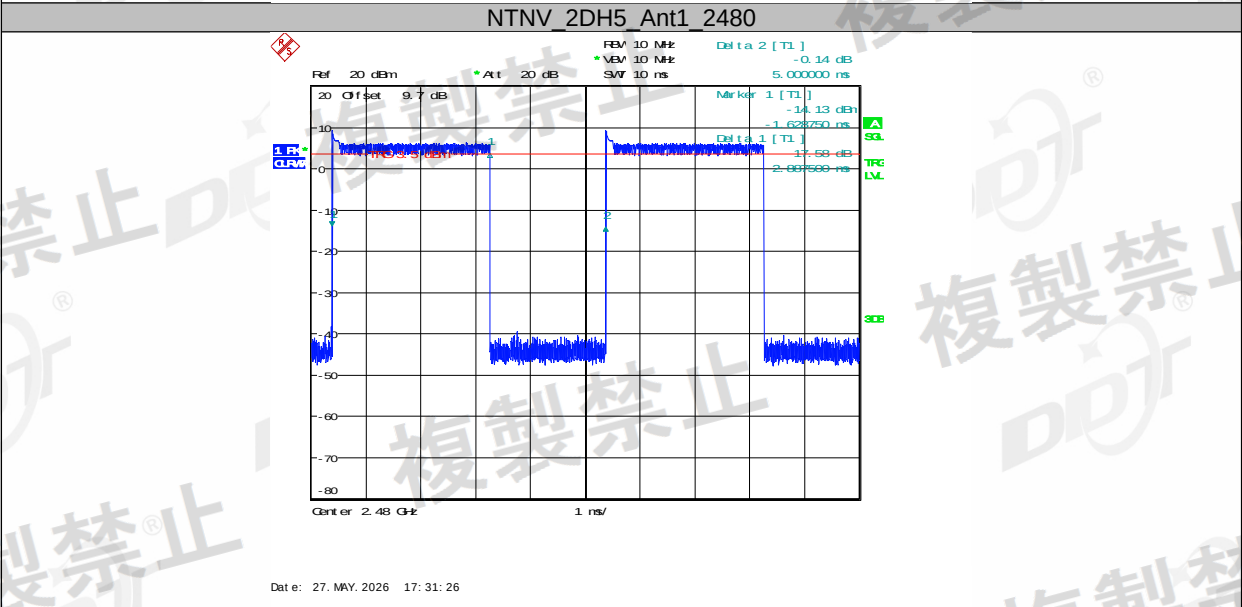
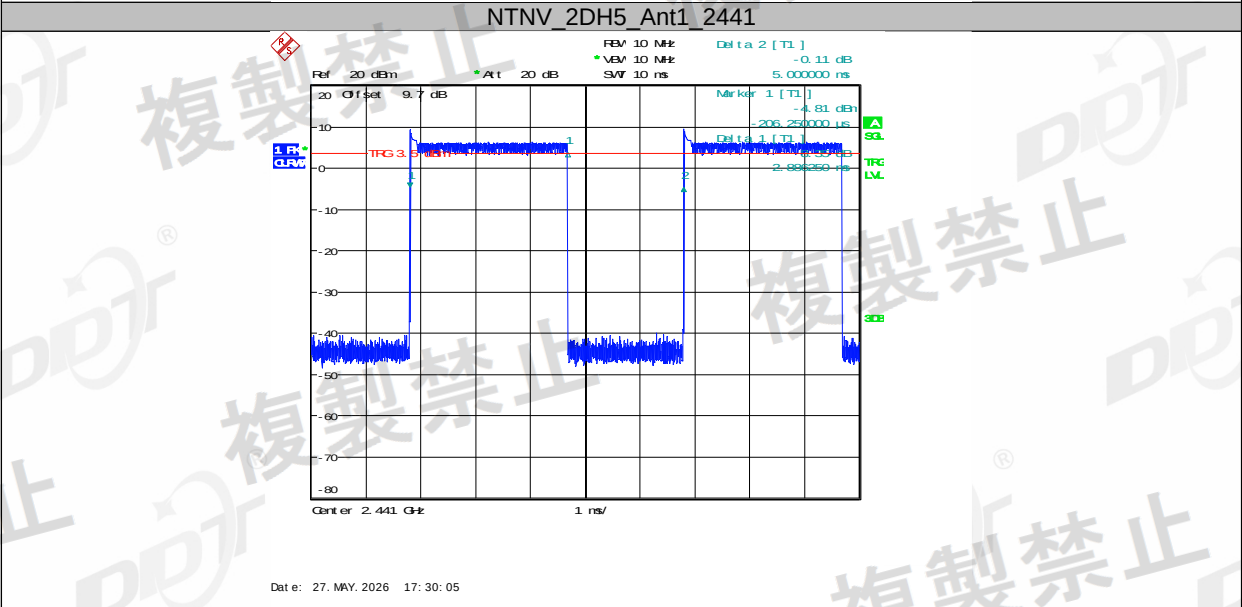
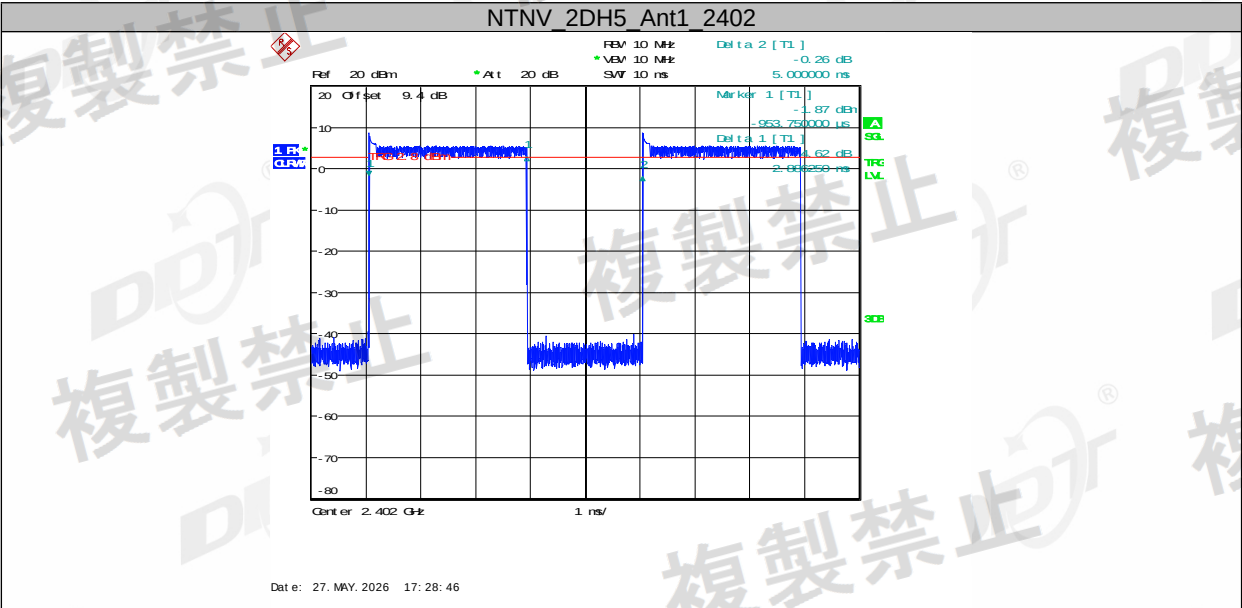
Ref: 20 dBm, Att: 20 dB, RBW: 10 MHz, VBW: 10 MHz, SWF: 10 ns, Delta 2 [T1]: -0.48 dB, 5.000000 ns

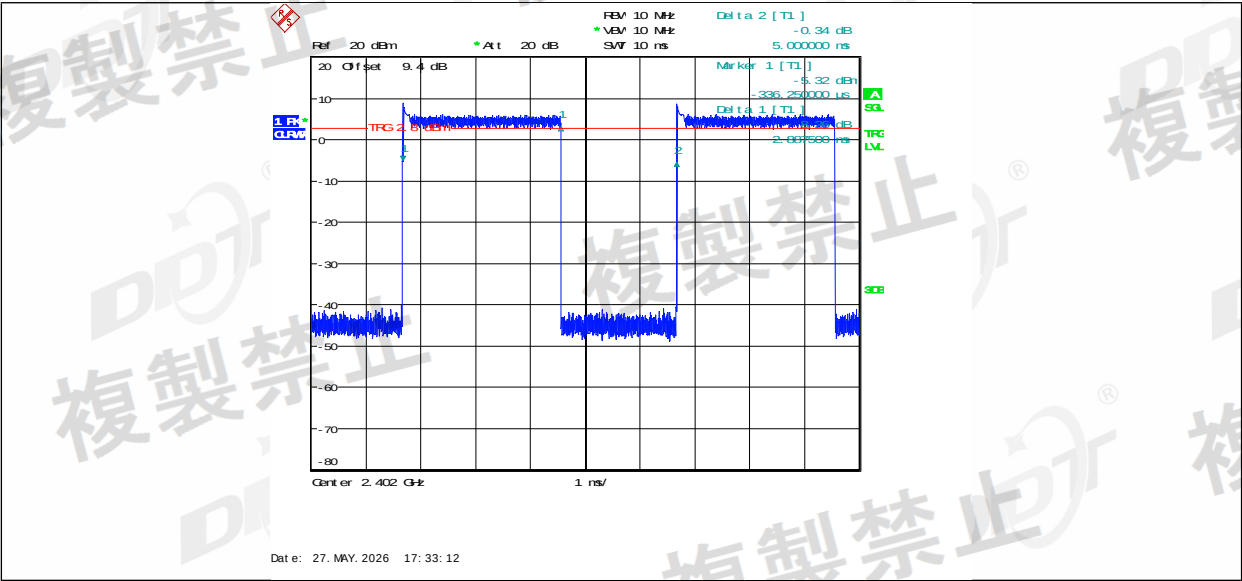
Marker 1 [T1]: -3.87 dB, -2.500000 us, Delta 1 [T1]: -45.86 dB, 0.000000 ns

Center: 2.402 GHz, 1 ns

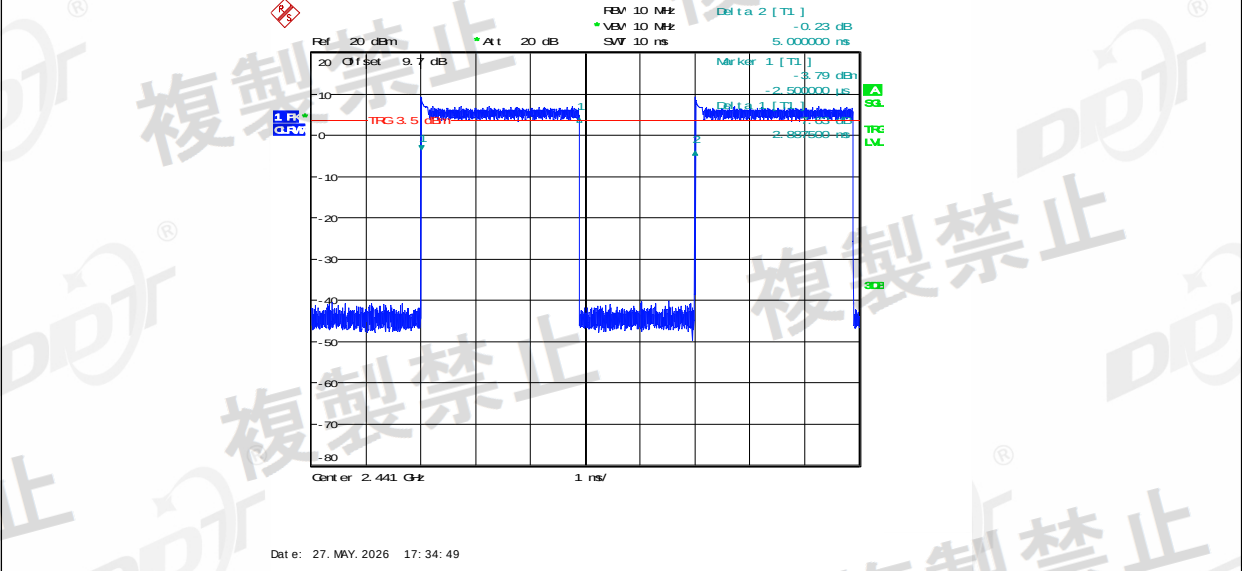
Date: 27. MAY. 2026 17:18:04



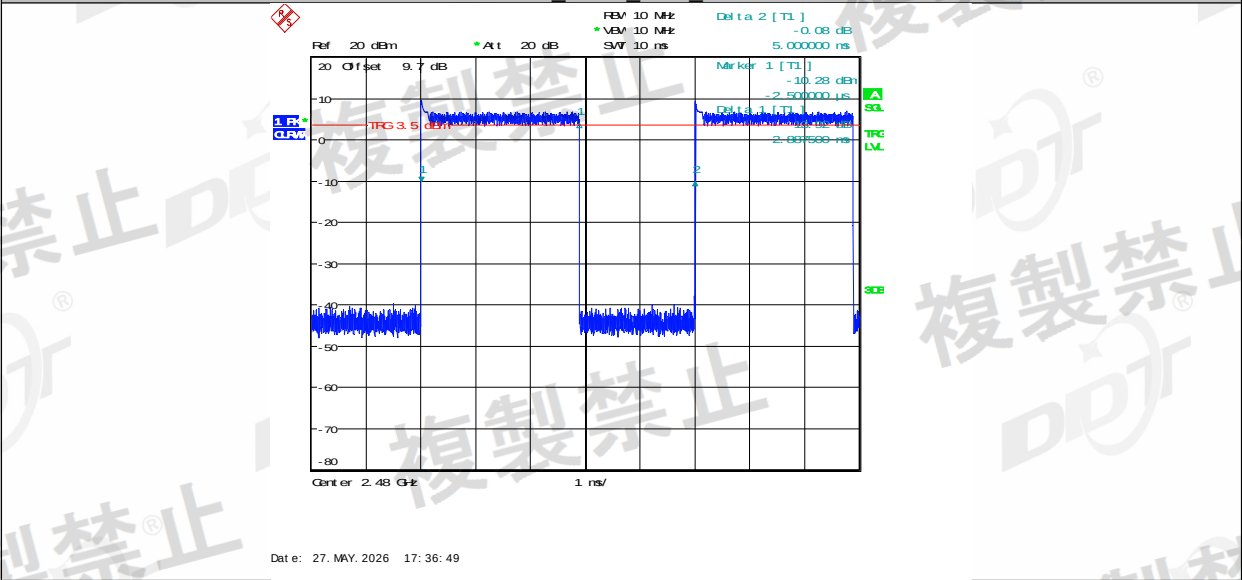




NTNV 3DH5 Ant1 2441



NTNV 3DH5 Ant1 2480

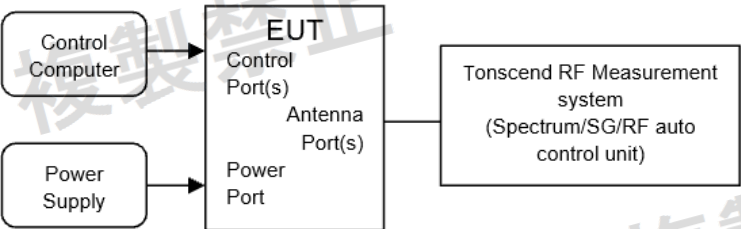


5. Antenna Power and Tolerances for Antenna Power

5.1. Limit

Antenna Power Limit	3mW/MHz
Tolerance Limit	≤+20

5.2. Block diagram of test setup



5.3. Test procedure

- (1) Connect each EUT's antenna output to power sensor by RF cable and attenuator and measure the total electric power.
- (2) Divide the total power by spread bandwidth, and then derive the average electric power per 1MHz.
- (3) Confirm that frequency distribution of FHSS is lower than 1MHz, and is even by the submitted documents, Antenna power is as follows:
 - a) Continuous wave: Value of step (2).
 - b) Burst wave: Calculate the average power Value from the value of step (2) and Burst Ratio.

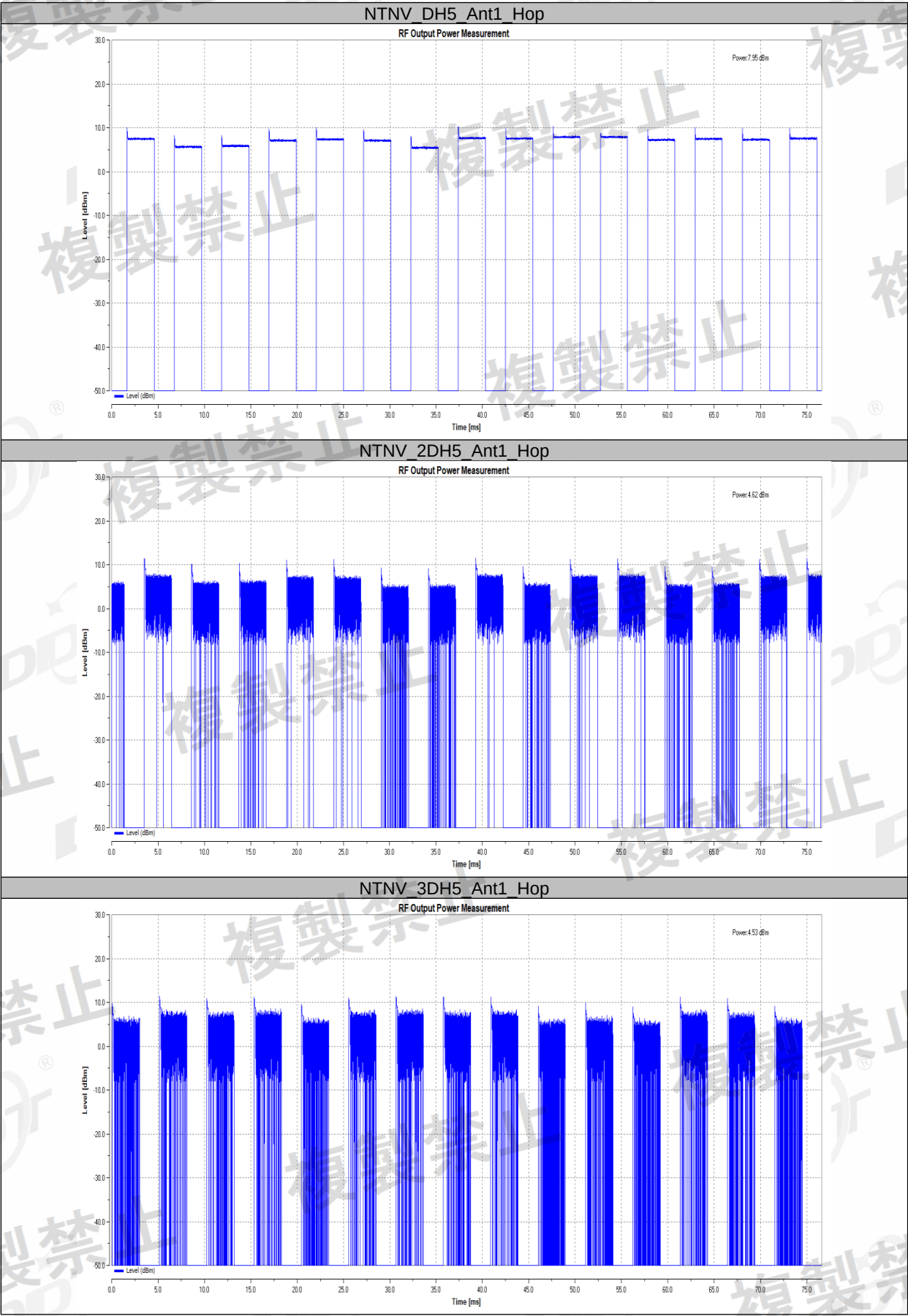
5.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

Antenna Power							
Mode	Ant	Measured		Burst Ratio	Spread Bandwidth	Result	Limit
		dBm	mW		MHz	(mW/MHz)	(mW/MHz)
GFSK Tx mode Hopping	Ant1	7.95	6.24	0.576	71.100	0.152	3
π/4-DQPSK Tx mode Hopping	Ant1	4.62	2.90	0.578	70.400	0.071	3
8DPSK Tx mode Hopping	Ant1	4.53	2.84	0.578	69.800	0.070	3
Note 1: Output Power Density (mW/MHz) = Total Output Power (mW) / Burst Ratio / Spread Bandwidth (MHz)							
Note 2: Burst Ratio = ON Time / (ON Time + OFF Time)							

Mode	Ant	Rated power	Result	Tolerance	Limit
		mW/MHz	mW/MHz	%	/
GFSK Tx mode Hopping	Ant1	0.2	0.152	-24.0	≤ + 20%
π/4-DQPSK Tx mode Hopping	Ant1	0.2	0.071	-64.5	≤ + 20%
8DPSK Tx mode Hopping	Ant1	0.2	0.070	-65.0	≤ + 20%
Tolerances for Antenna Power Limit: ≤ + 20%					
Verdict: Pass					

5.5. Test graphs

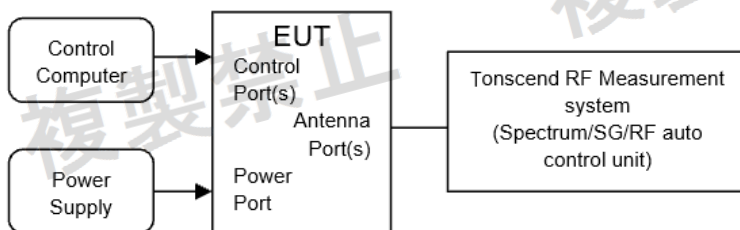


6. Frequency Tolerance

6.1. Limit

+/- 50 x 10⁻⁶ or less (50ppm)

6.2. Block diagram of test setup



6.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 10 kHz.

Video BW: 10 kHz.

Span: 1 MHz.

Detector: Peak.

Trace Mode: Max Hold.

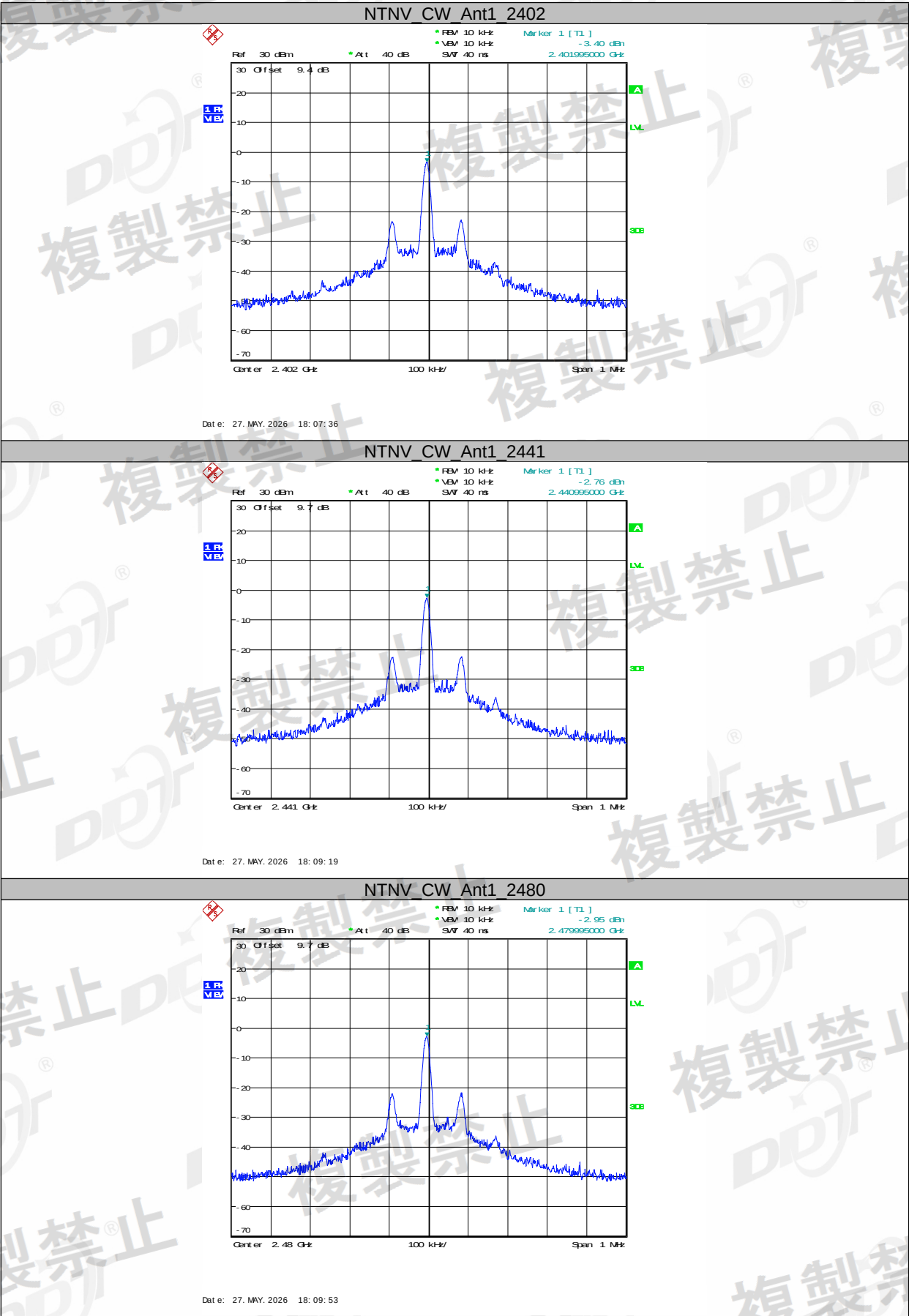
- (2) When the trace is complete, find the peak value of the power envelope and record the frequency.

6.4. Test Result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

Test Condition	Test Mode	Antenna	Freq(MHz)	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	CW	Ant1	2402	2401.995	-2.08160	±50	PASS
			2441	2440.995	-2.04834	±50	PASS
			2480	2479.995	-2.01613	±50	PASS

6.5. Test Graphs

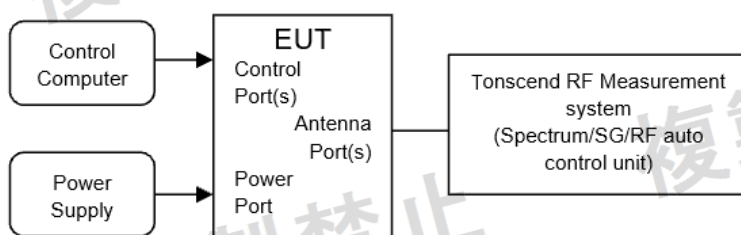


7. Occupied Frequency Bandwidth

7.1. Limit

Permissible value for occupied bandwidth using the FH system, a hybrid system combining DS and FH systems, or a hybrid system combining FH and OFDM systems shall be 83.5 MHz or less, while necessary bandwidth (minimum occupied bandwidth sufficient to ensure information transmission of required quality at a required transmission rate for the system used under specified conditions for a given emission type) using a system other than any of the above shall be 26 MHz or less.

7.2. Block diagram of test setup



7.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Hopping off:

Resolution BW: 30 kHz

Video BW: 30 kHz

Hopping on:

Resolution BW: 1 MHz

Video BW: 1 MHz

Span: Wide enough to cover the complete power envelope of the signal of the EUT.

Detector: Peak.

Trace Mode: Max Hold.

- (2) When the trace is complete, measure the occupied bandwidth (99% bandwidth) with spectrum analyzer's bandwidth measure function.

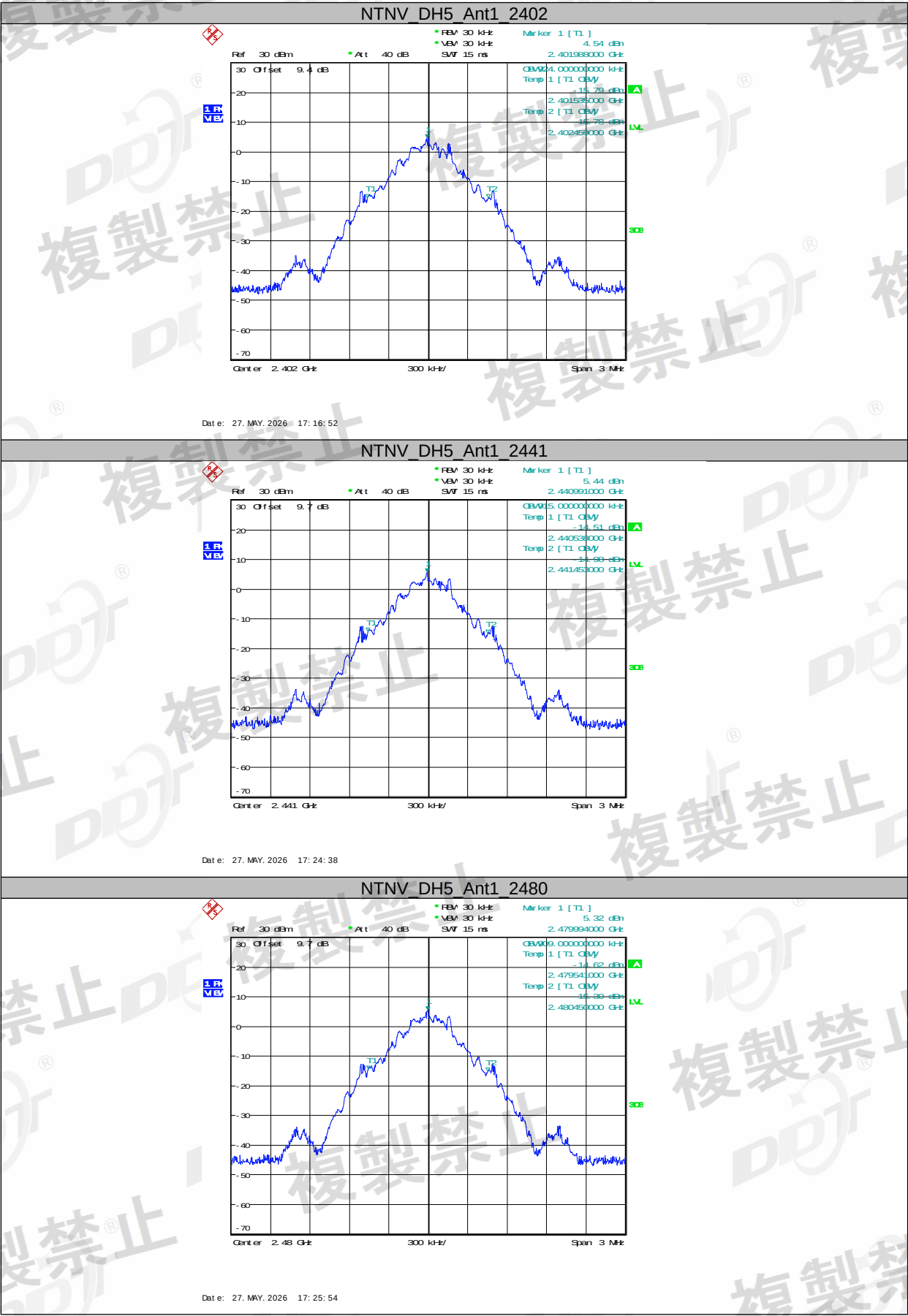
7.4. Test result

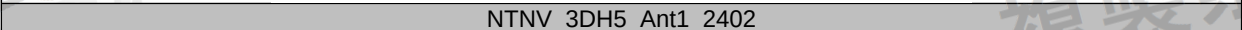
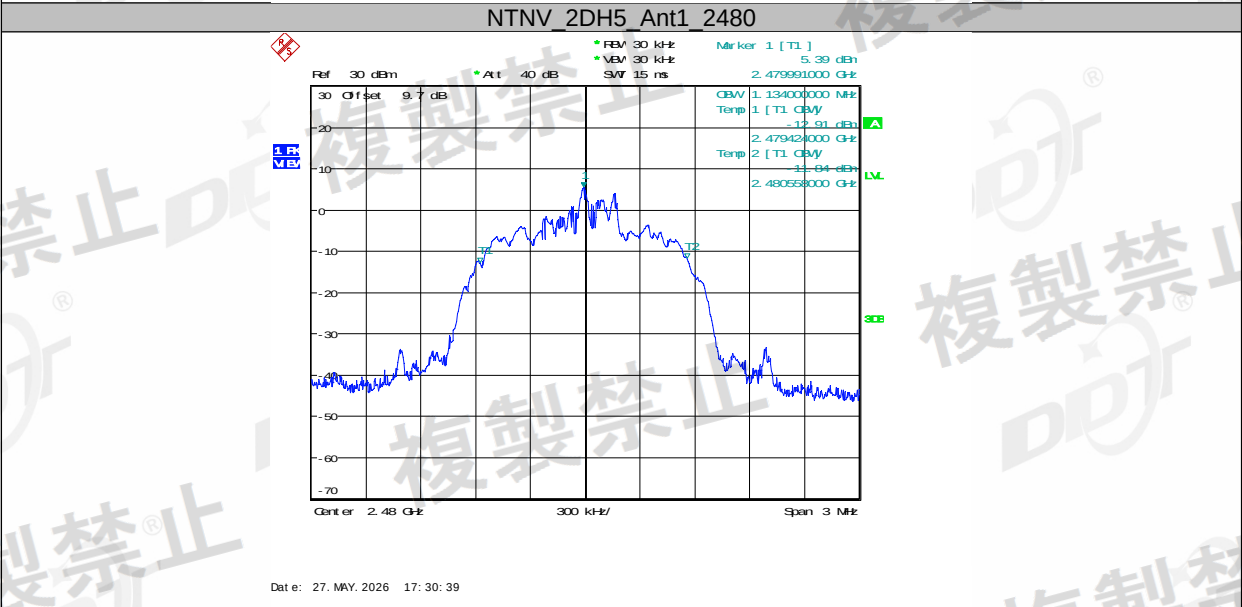
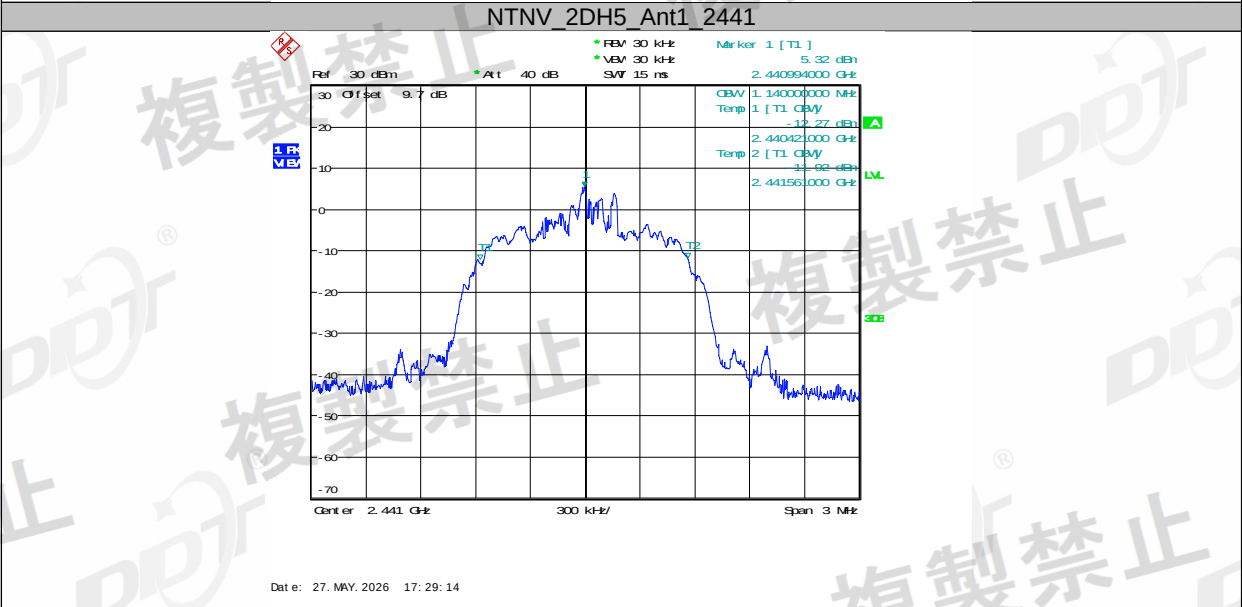
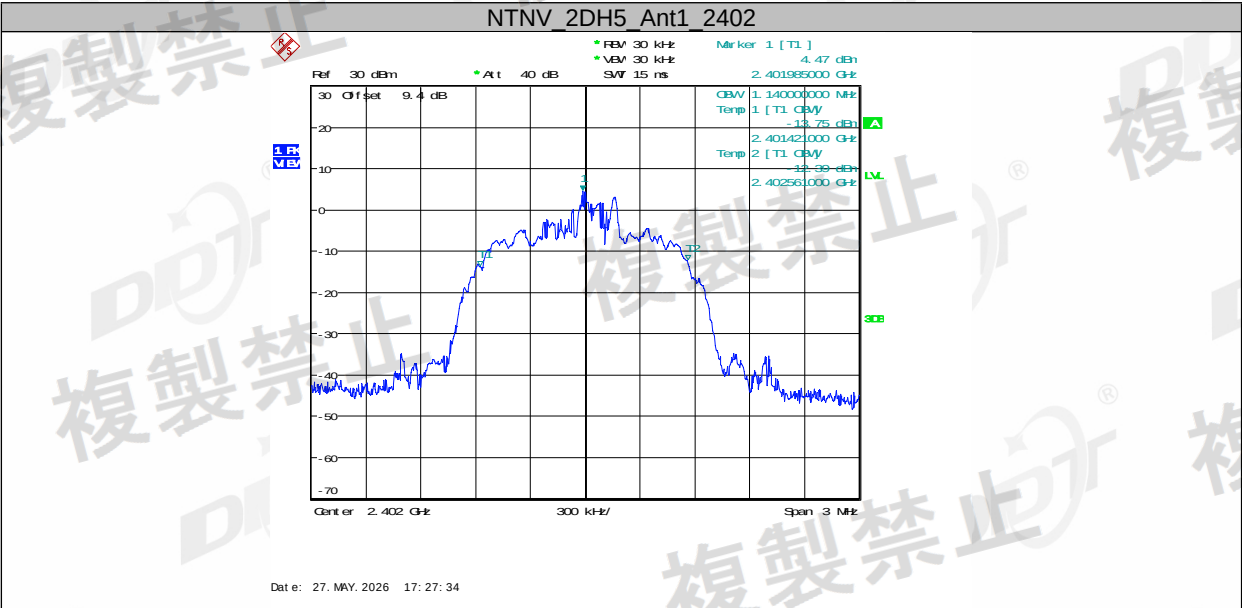
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

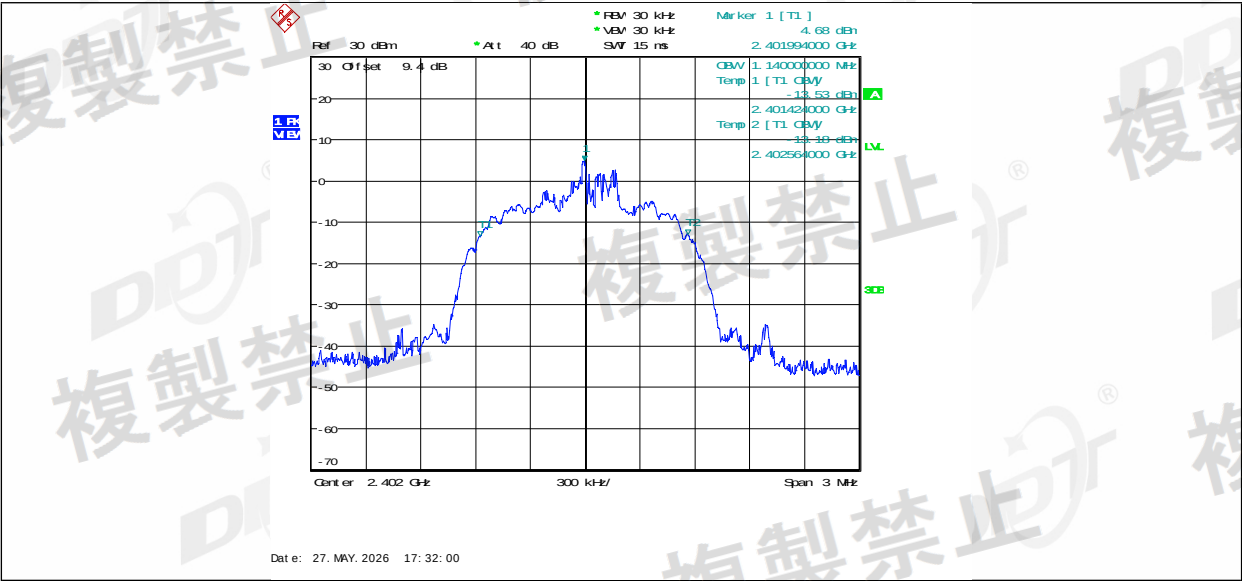
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	2402	0.924	≤83.5	PASS
			2441	0.915	≤83.5	PASS
			2480	0.909	≤83.5	PASS
	2DH5	Ant1	2402	1.140	≤83.5	PASS
			2441	1.140	≤83.5	PASS
			2480	1.134	≤83.5	PASS
	3DH5	Ant1	2402	1.140	≤83.5	PASS
			2441	1.146	≤83.5	PASS
			2480	1.143	≤83.5	PASS

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	78.800	≤83.5	PASS
	2DH5	Ant1	Hop	78.700	≤83.5	PASS
	3DH5	Ant1	Hop	78.700	≤83.5	PASS

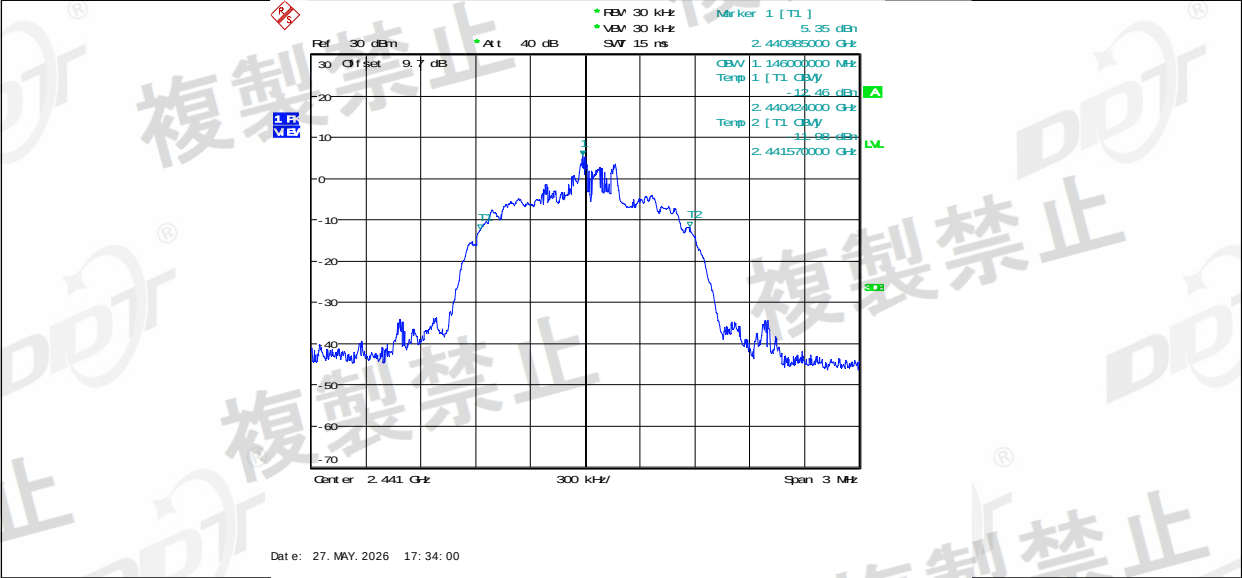
7.5. Test graphs



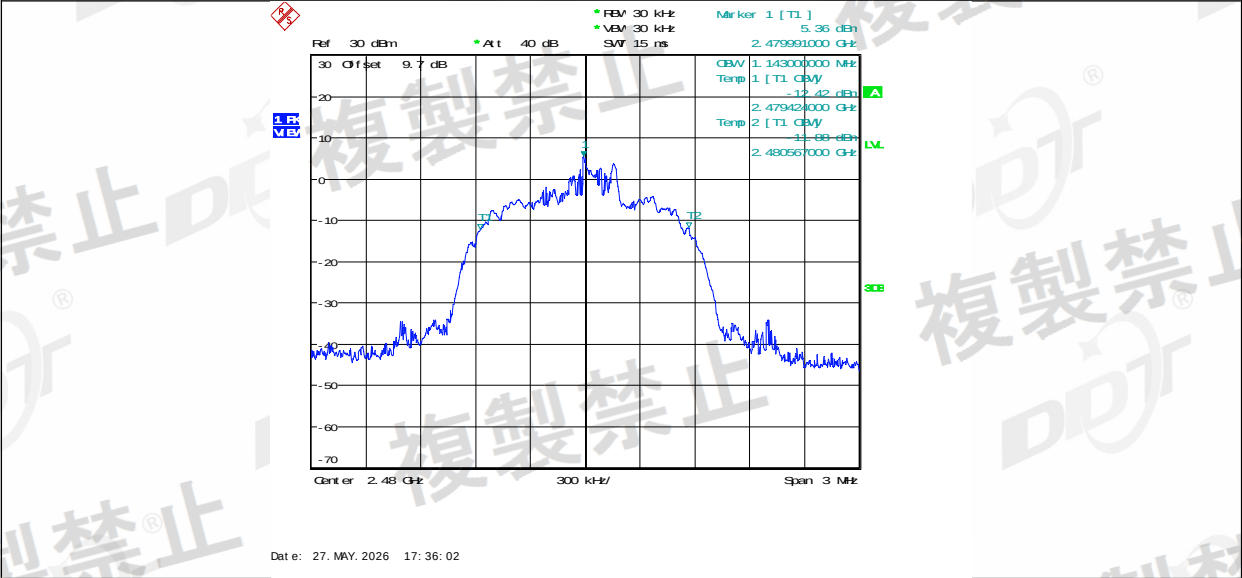




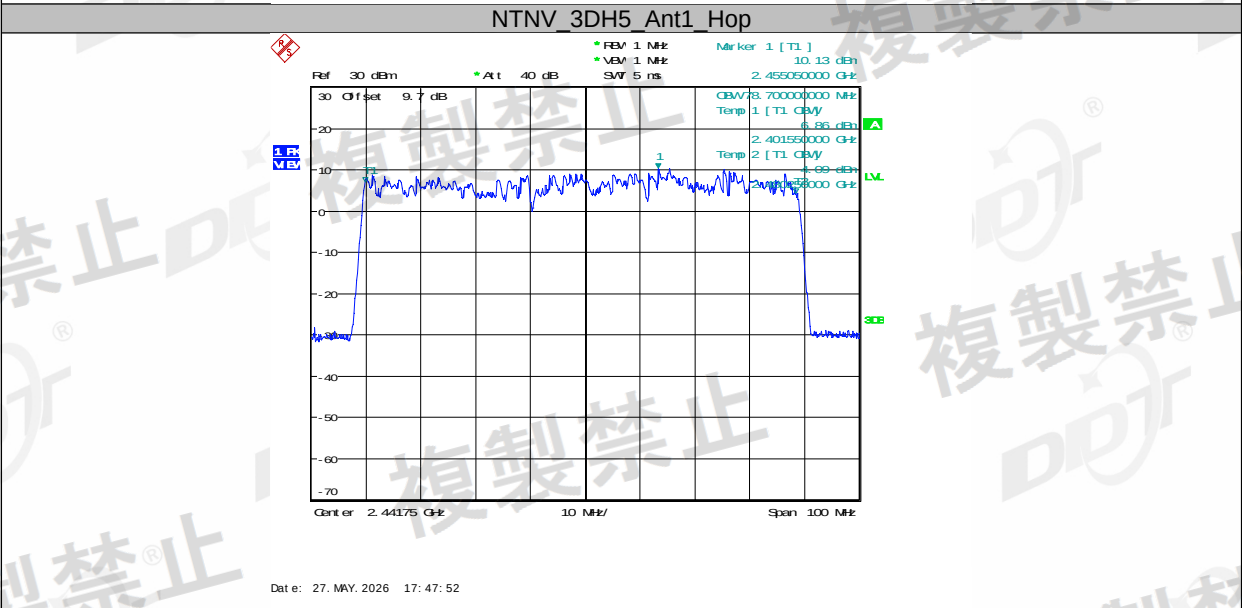
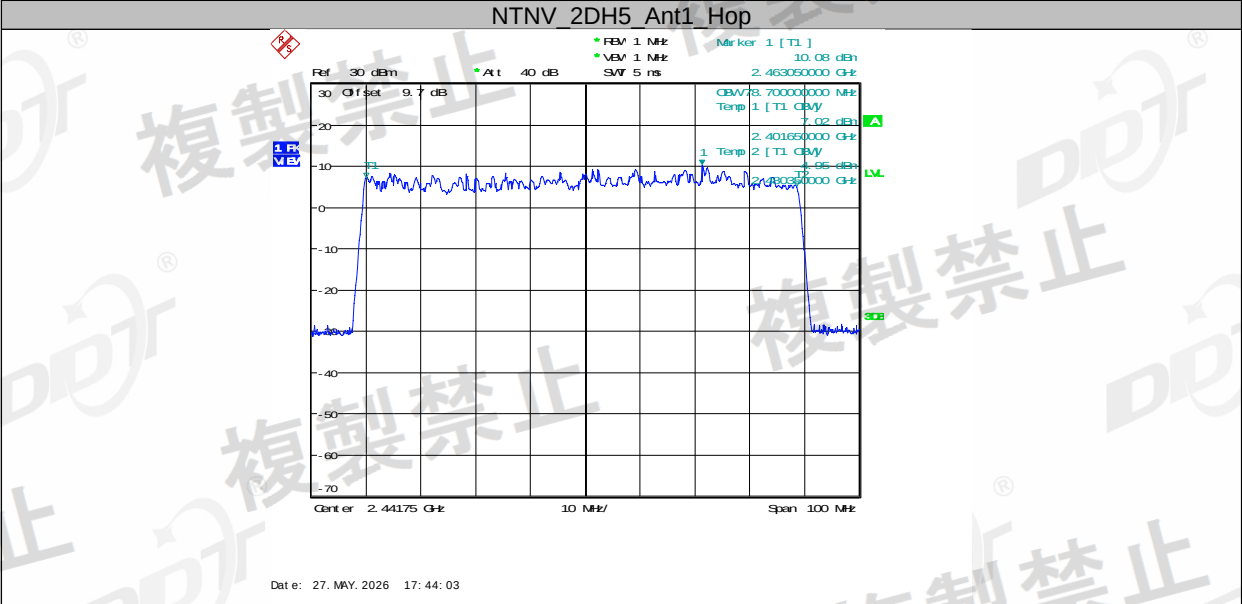
NTNV 3DH5 Ant1 2441



NTNV 3DH5 Ant1 2480



NTNV DH5 Ant1 Hop

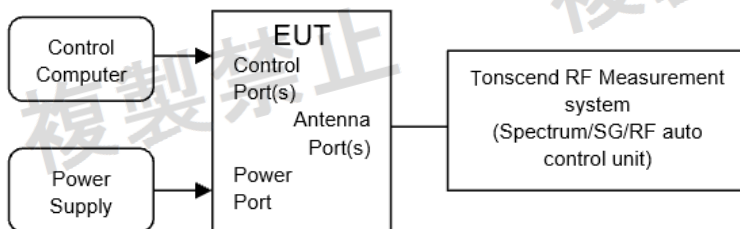


8. Spread Bandwidth

8.1. Limit

Just for report.

8.2. Block diagram of test setup



8.3. Test procedure

(1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 1 MHz.

Video BW: 1 MHz.

Span: Wide enough to cover the complete power envelope of the signal of the EUT.

Detector: Peak.

Trace Mode: Max Hold.

When the trace is complete, measure the spread bandwidth (90% bandwidth) with spectrum analyzer's bandwidth measure function.

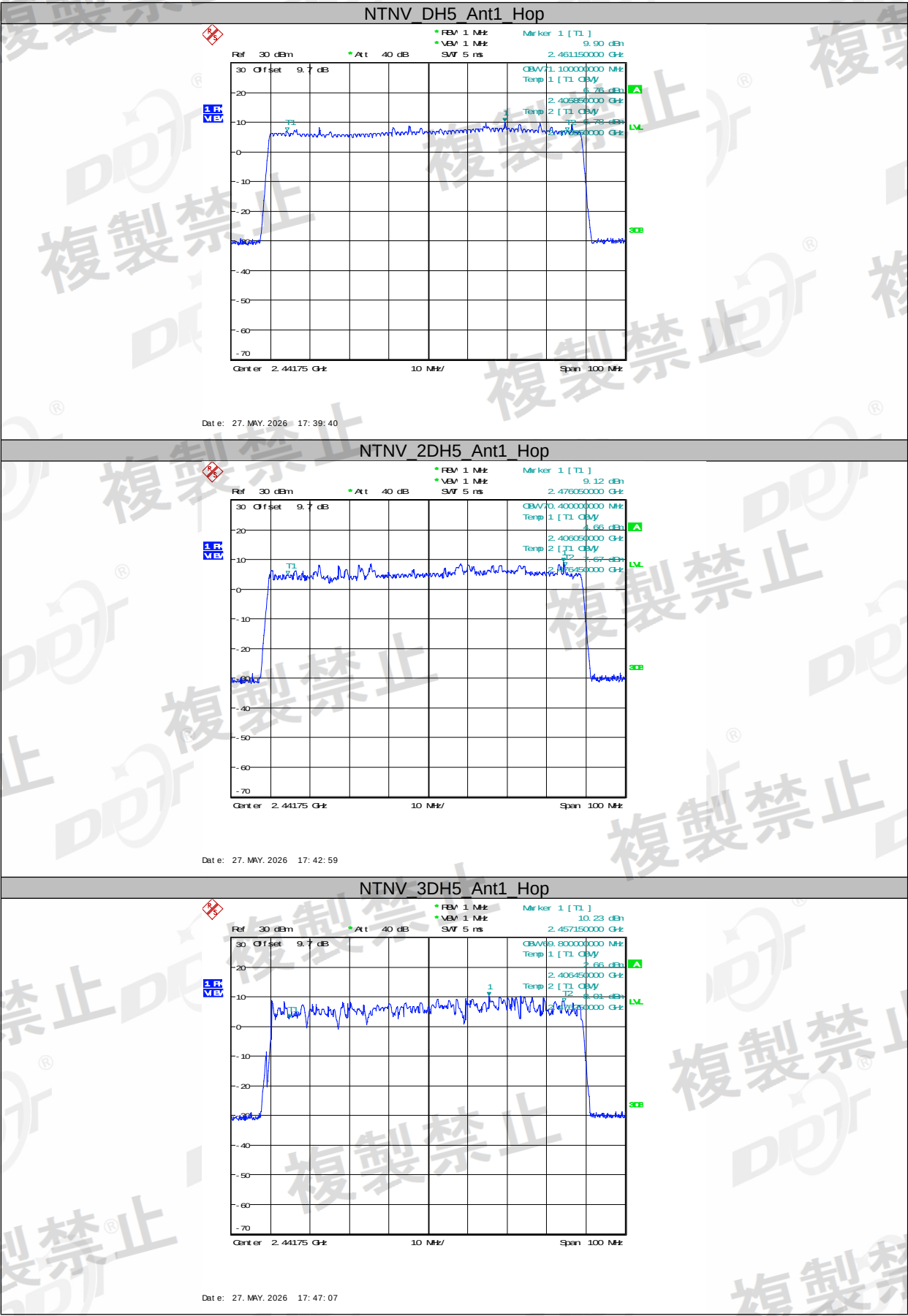
8.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	SpreadFactor	Limit	Verdict
NTNV	DH5	Ant1	Hop	71.100	≥0.5	71.100	>5	PASS
	2DH5	Ant1	Hop	70.400	≥0.5	70.400	>5	PASS
	3DH5	Ant1	Hop	69.800	≥0.5	69.800	>5	PASS

Note: Spreading factor = Spread bandwidth (actual measurement value)/Symbol rate.

8.5. Test graphs



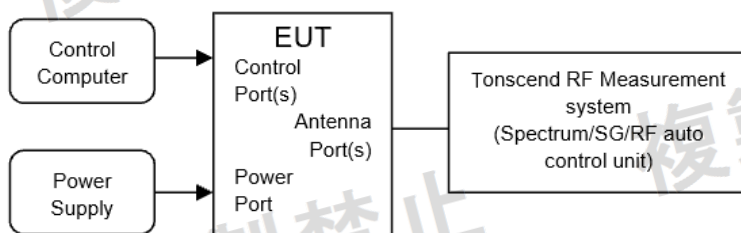
9. Transmitter Spurious Emissions (Conducted)

9.1. 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 μW or less
- b. $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f$ 2.5 μW or less

9.2. Block diagram of test setup



9.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator.
- (2) Set the Spectrum Analyzer as below, sweep the frequency, and search for unwanted emission.
Resolution BW: 1 MHz,
Video BW: Same with Resolution BW,
Detector: Peak,
Trace Mode: Max Hold,
- (3) All the emissions from 30 MHz to 13 GHz were measured and record.
- (4) In the vicinity of the carrier wave, etc., it is possible to set a narrower resolution bandwidth for measurement as necessary. In that case, convert the intensity of the unwanted emission to the value in the reference bandwidth. For this report if spurious emissions are greater than [limit -3dB] in 1MHz RBW, then more detailed measurements are required. Repeat the test in 30kHz RBW, the spurious emission value using following the formula below:
Calculated Value = (Measured Value + 15.2 dB)
15.2 dB adjustment is derived from the Conversion Factor of RBW
Conversion Factor of RBW = $10 \times \text{Log} (\text{Reference Bandwidth} / \text{RBW of measurement}) = 15.2[\text{dB}]$
Where: Reference Bandwidth = 1 MHz
RBW of measurement = 30 kHz

9.4. Test result

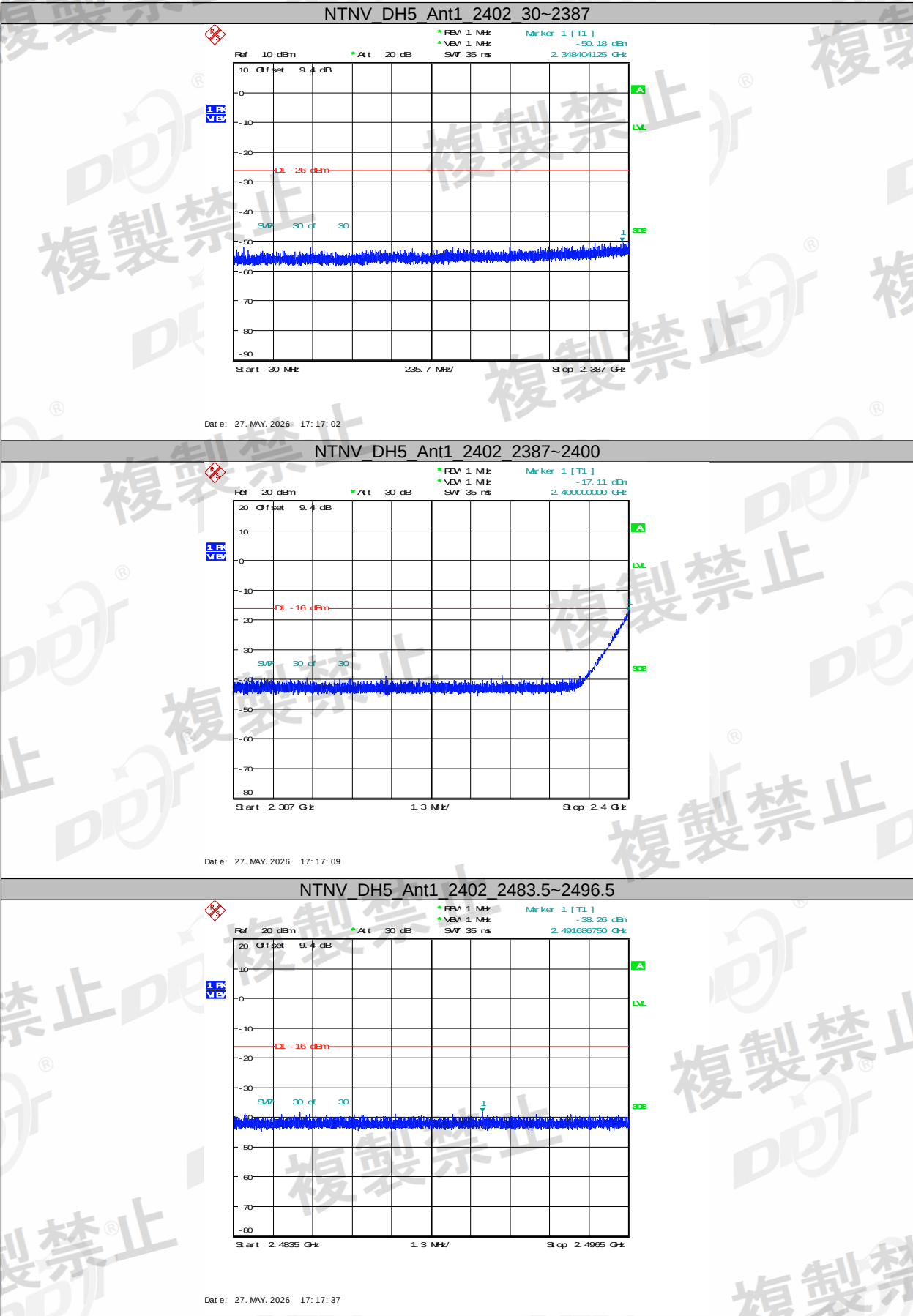
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

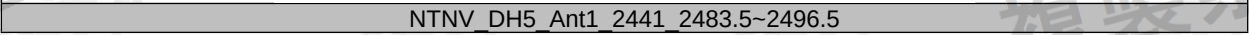
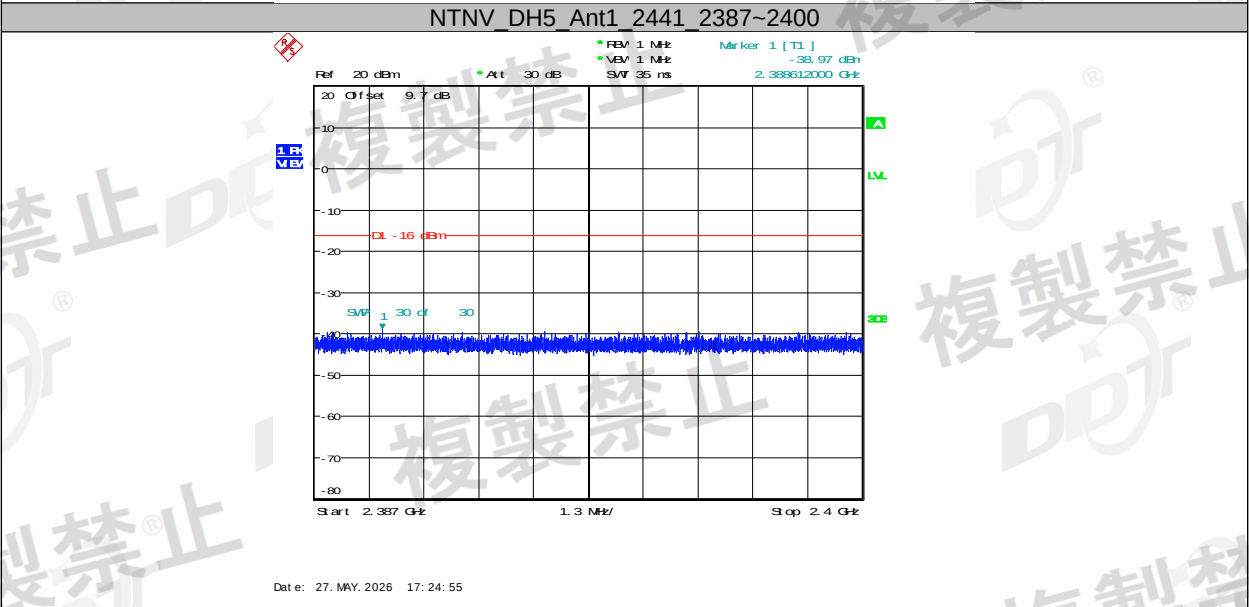
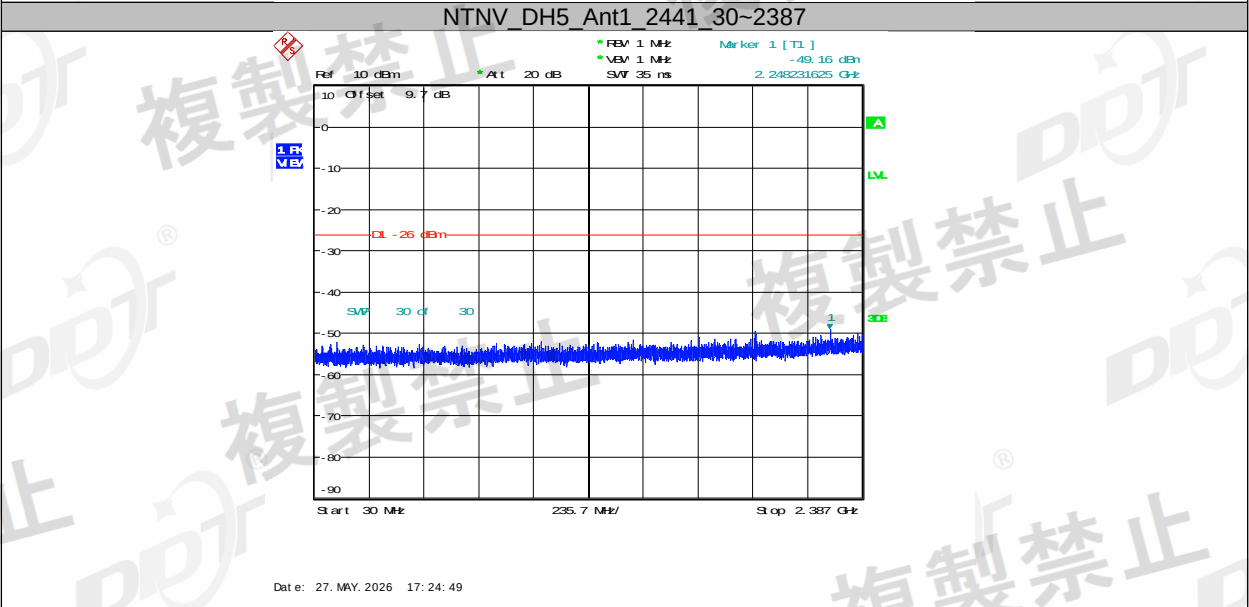
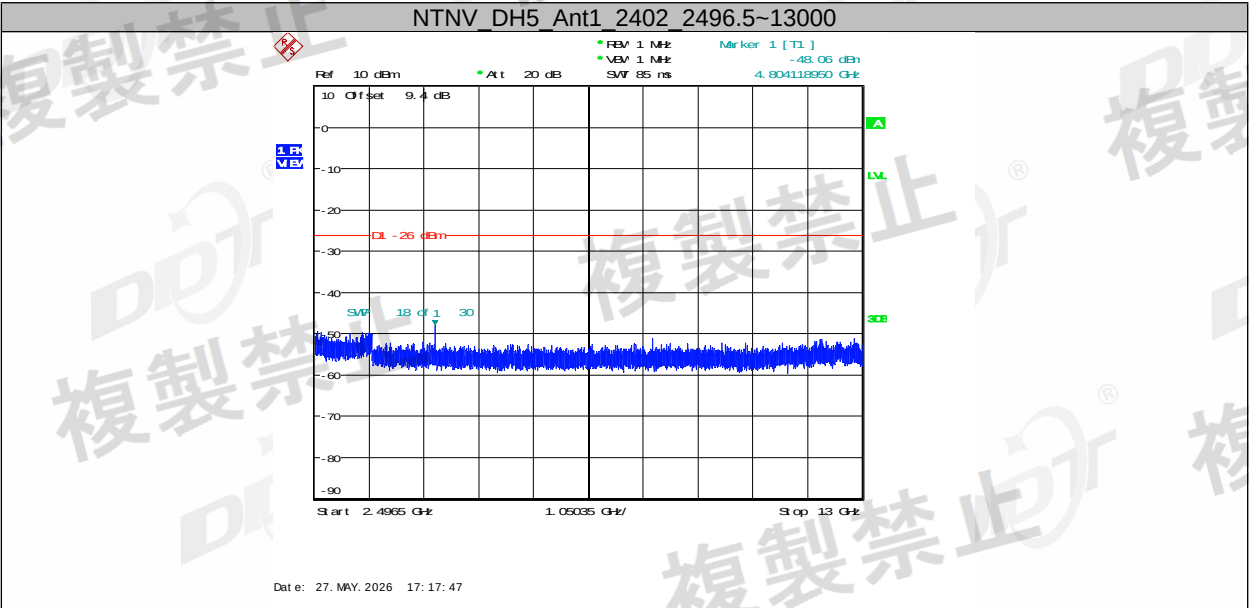
Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
NTNV	DH5	Ant1	2402	30~2387	-50.18	≤-26	PASS
				2387~2400	-17.11	≤-16	See table below
				2483.5~2496.5	-38.26	≤-16	PASS
				2496.5~13000	-48.06	≤-26	PASS
			2441	30~2387	-49.16	≤-26	PASS
				2387~2400	-38.97	≤-16	PASS
				2483.5~2496.5	-38.55	≤-16	PASS
				2496.5~13000	-48.54	≤-26	PASS
			2480	30~2387	-50.24	≤-26	PASS
				2387~2400	-39.31	≤-16	PASS
				2483.5~2496.5	-34.37	≤-16	PASS
				2496.5~13000	-49.05	≤-26	PASS
	2DH5	Ant1	2402	30~2387	-50.55	≤-26	PASS
				2387~2400	-16.92	≤-16	See table below
				2483.5~2496.5	-38.36	≤-16	PASS
				2496.5~13000	-49.47	≤-26	PASS
			2441	30~2387	-50.66	≤-26	PASS
				2387~2400	-39.09	≤-16	PASS
				2483.5~2496.5	-38.17	≤-16	PASS
				2496.5~13000	-48.60	≤-26	PASS
			2480	30~2387	-50.30	≤-26	PASS
				2387~2400	-38.66	≤-16	PASS
				2483.5~2496.5	-34.73	≤-16	PASS
				2496.5~13000	-49.13	≤-26	PASS
	3DH5	Ant1	2402	30~2387	-50.21	≤-26	PASS
				2387~2400	-17.05	≤-16	See table below
				2483.5~2496.5	-37.84	≤-16	PASS
				2496.5~13000	-48.85	≤-26	PASS
			2441	30~2387	-49.54	≤-26	PASS
				2387~2400	-39.08	≤-16	PASS
				2483.5~2496.5	-38.28	≤-16	PASS
				2496.5~13000	-49.02	≤-26	PASS
			2480	30~2387	-50.25	≤-26	PASS
				2387~2400	-38.62	≤-16	PASS
				2483.5~2496.5	-35.86	≤-16	PASS
				2496.5~13000	-49.20	≤-26	PASS

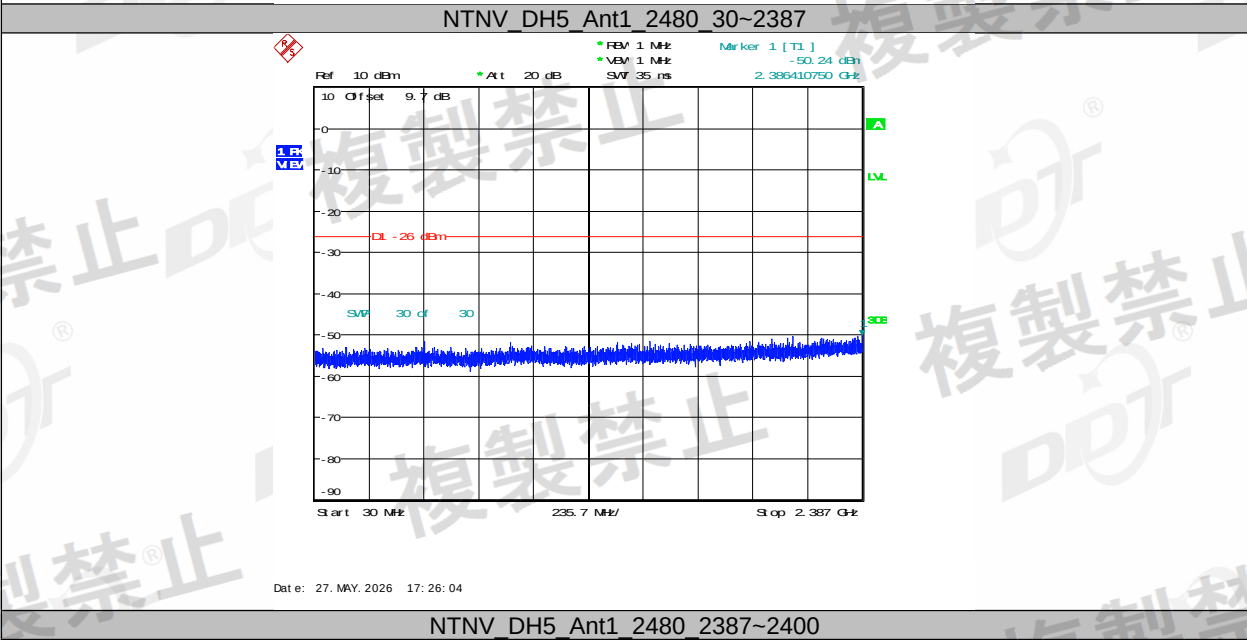
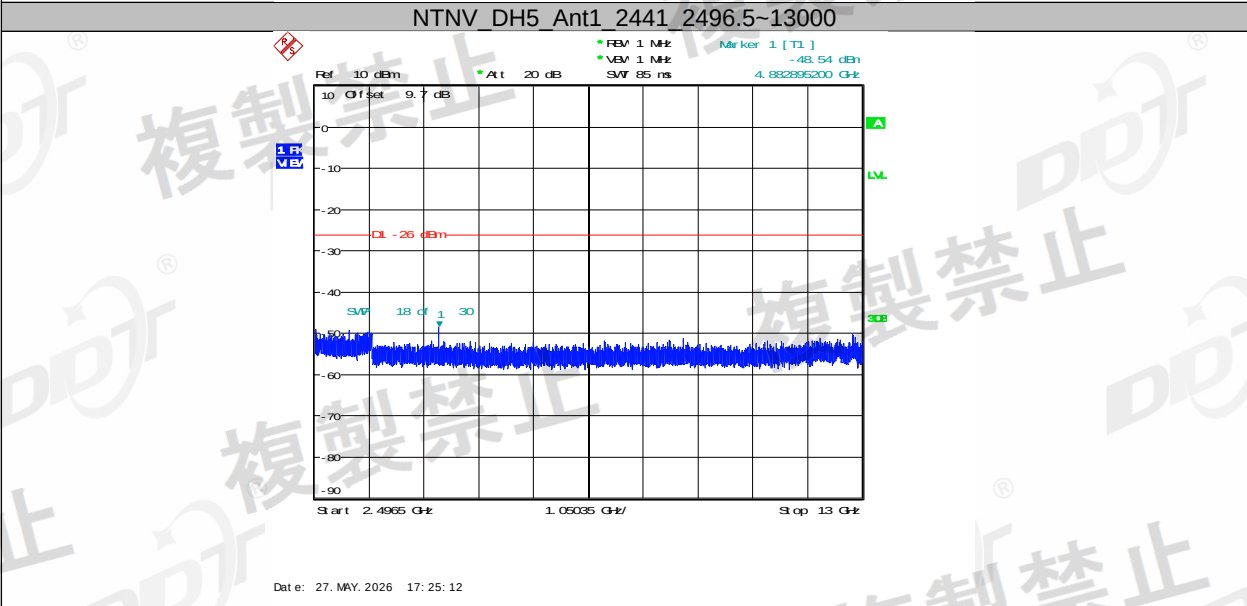
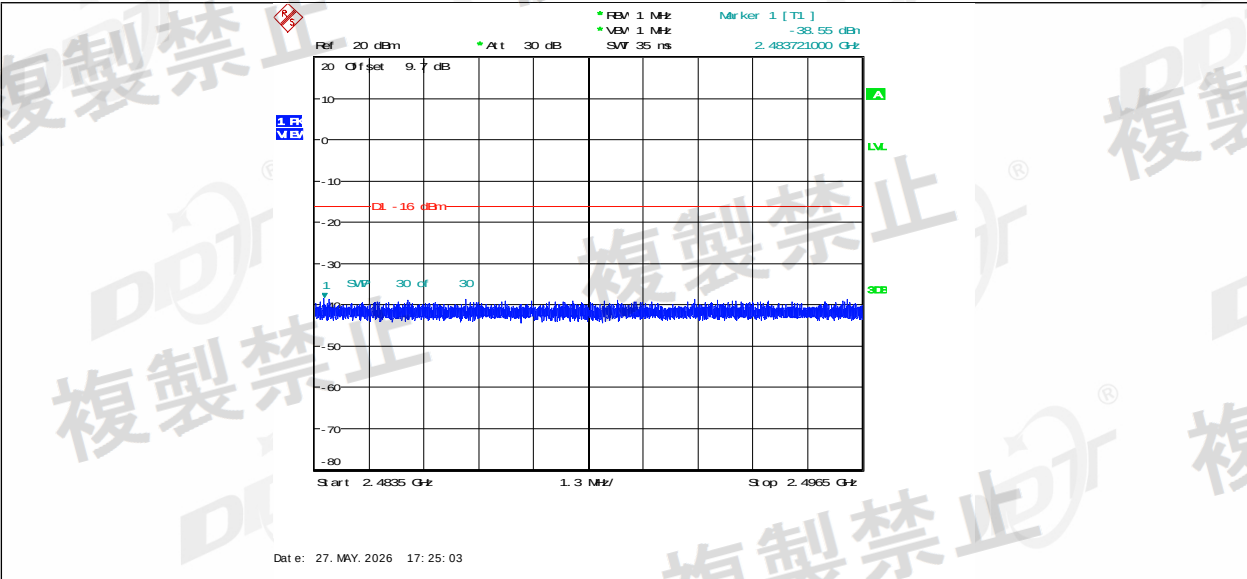
9.5. Test Result_Step2

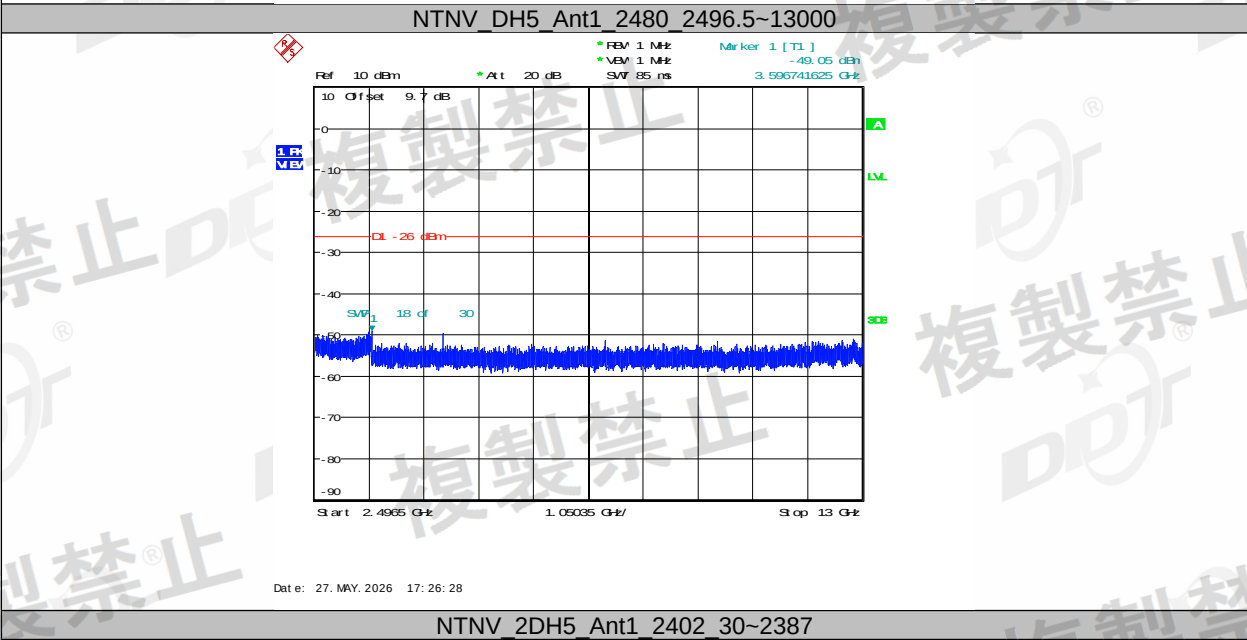
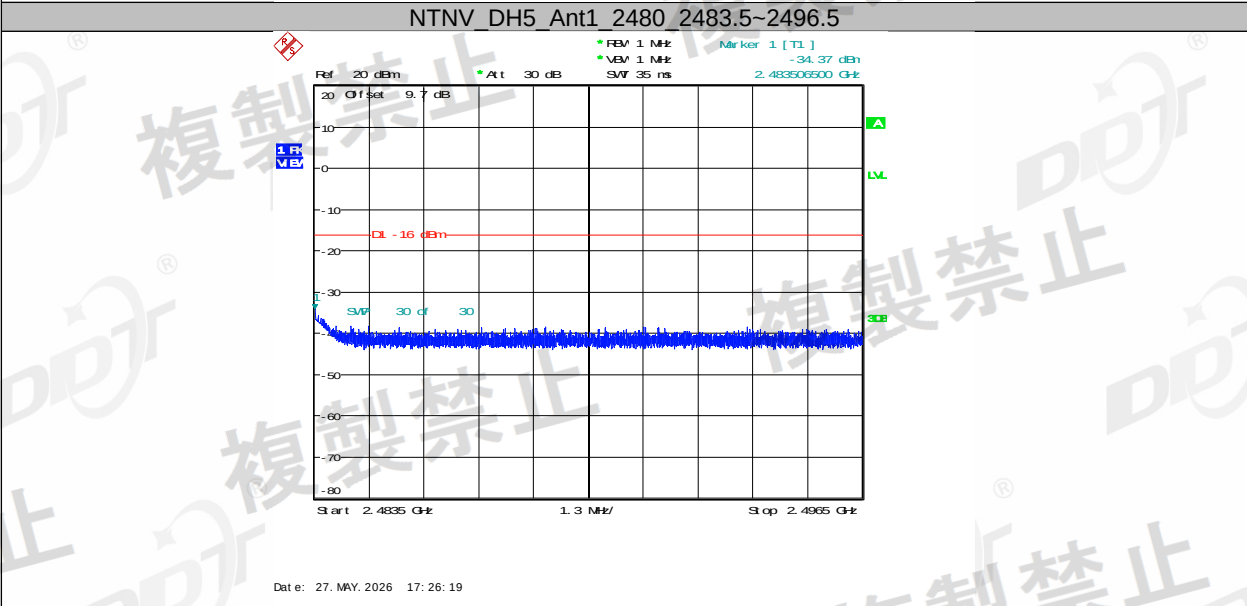
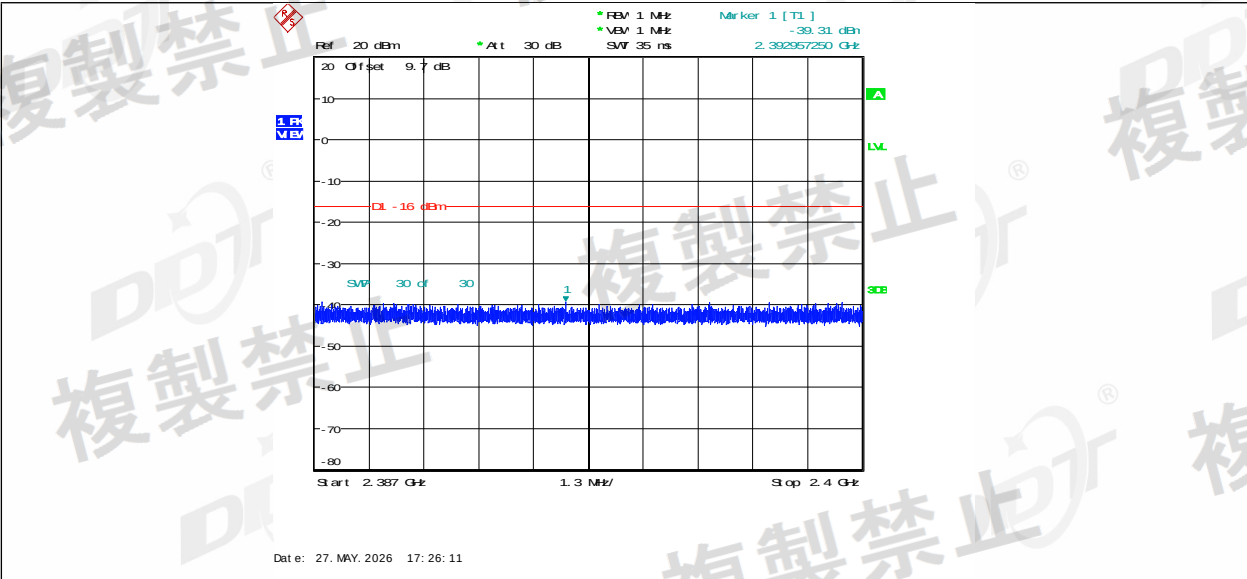
Test Condition	Test Mode	Antenna	Freq(MHz)	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
NTNV	DH5	Ant1	2402	2400.00	-20.89	≤-16	PASS
	2DH5	Ant1	2402	2399.99	-22.02	≤-16	PASS
	3DH5	Ant1	2402	2399.99	-22.35	≤-16	PASS

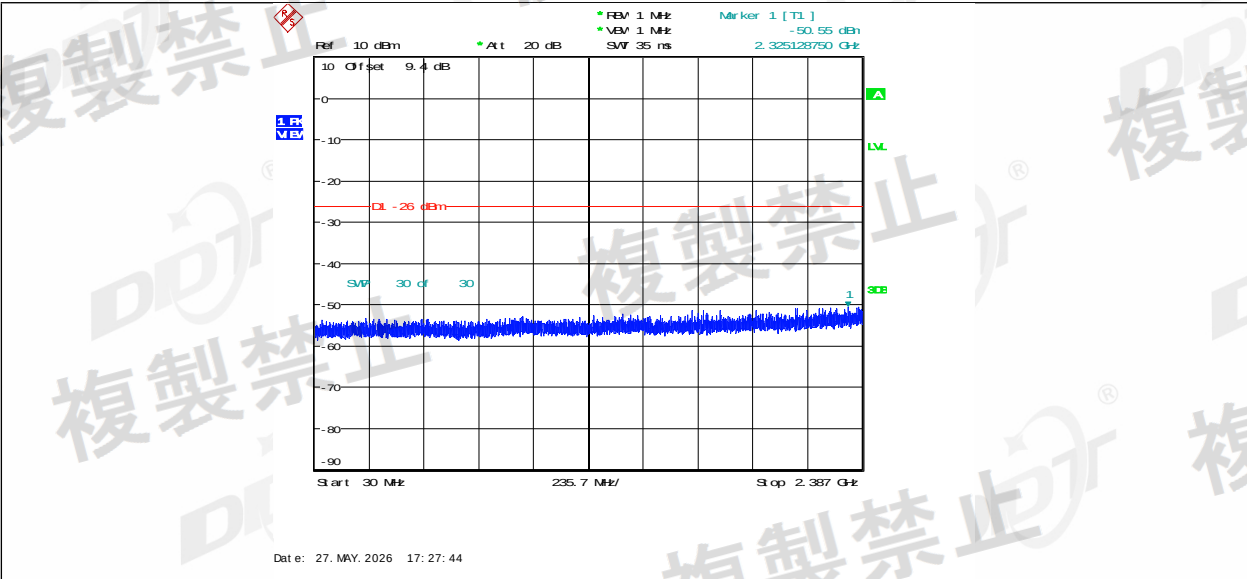
9.6. Test graphs



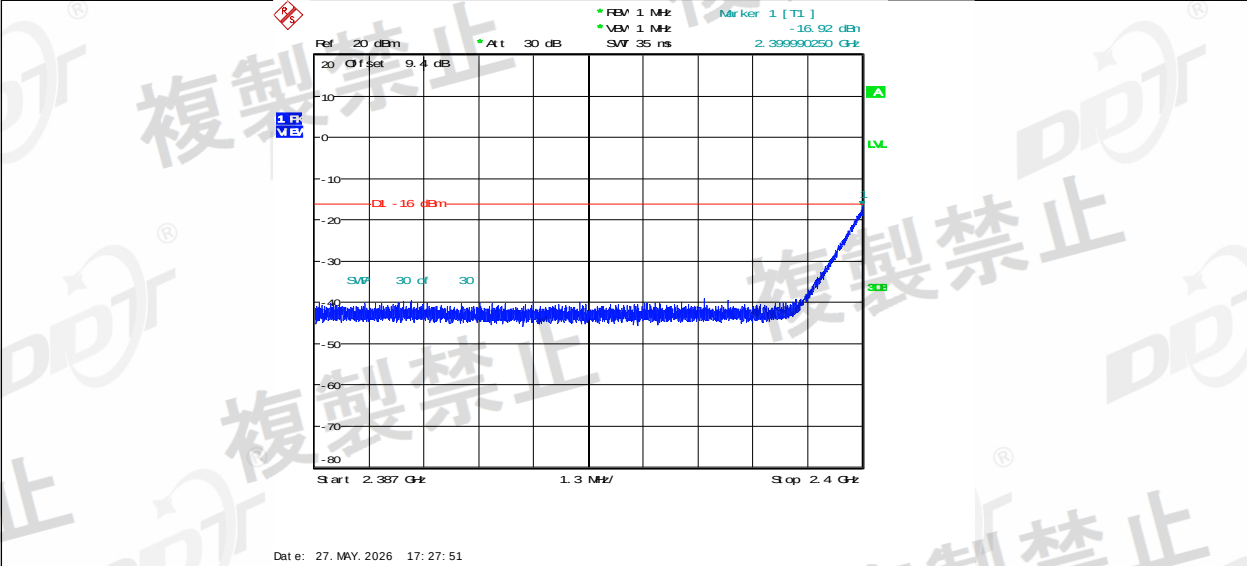




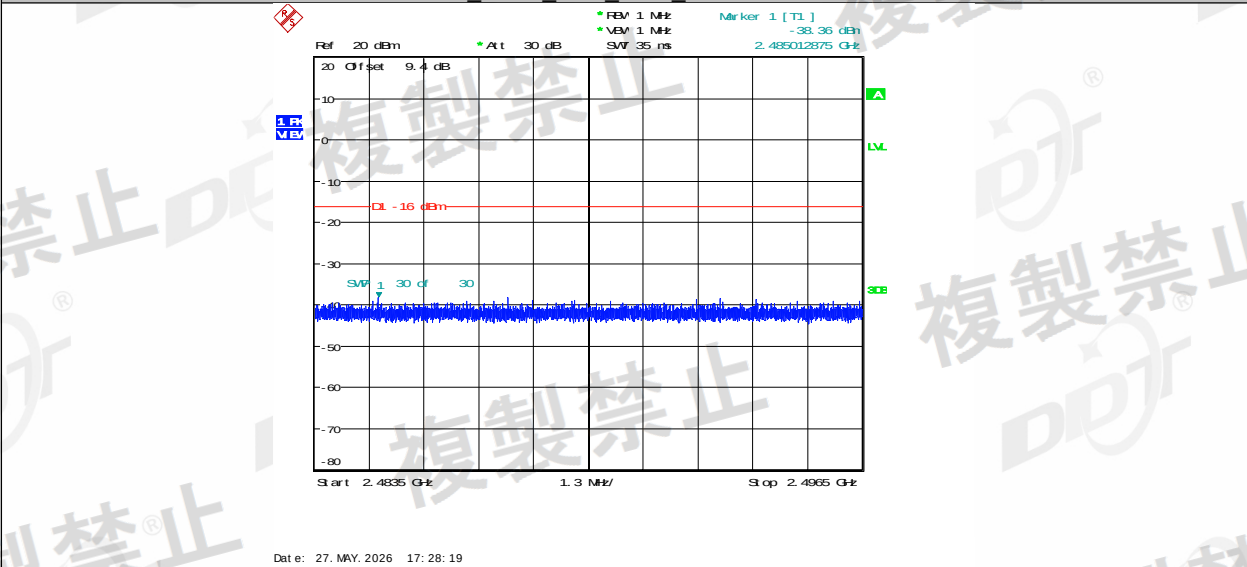




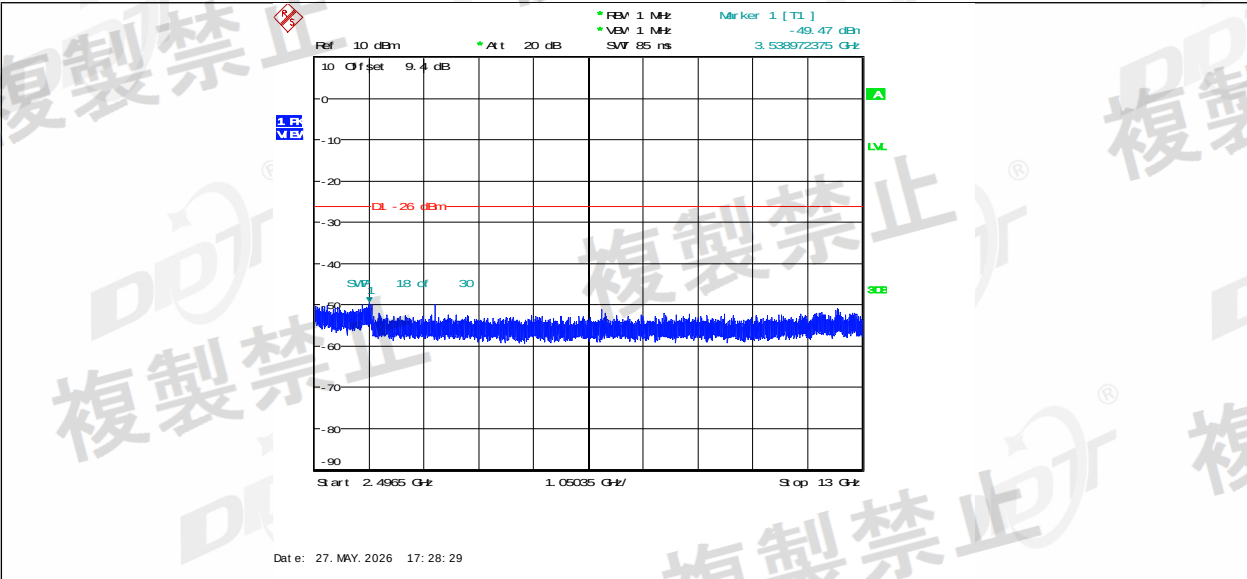
NTNV_2DH5_Ant1_2402_2387~2400



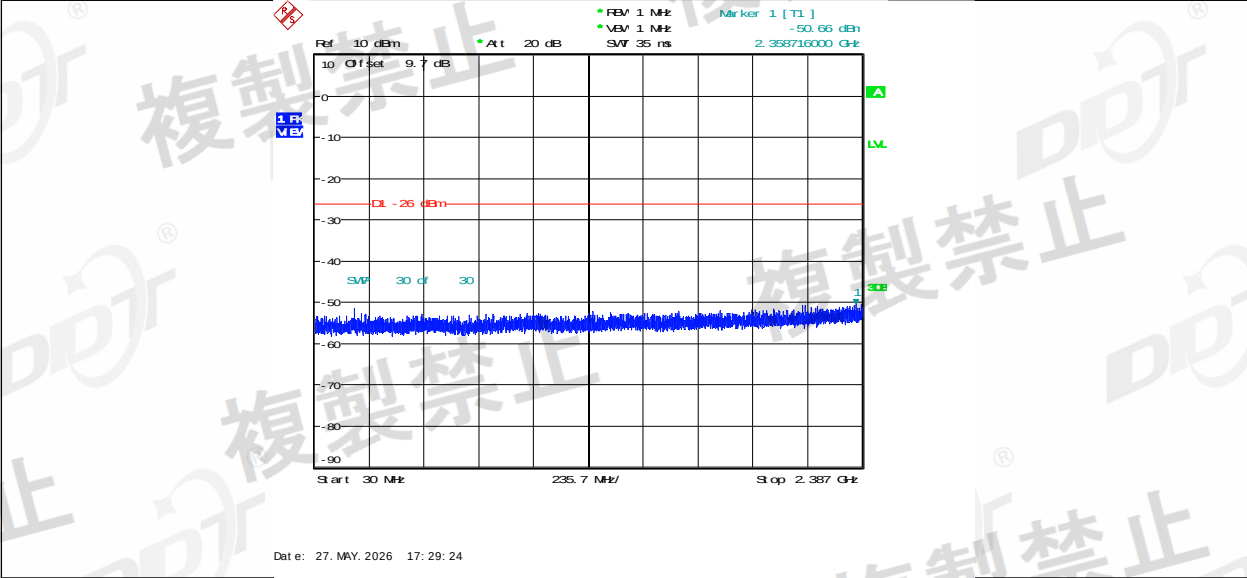
NTNV_2DH5_Ant1_2402_2483.5~2496.5



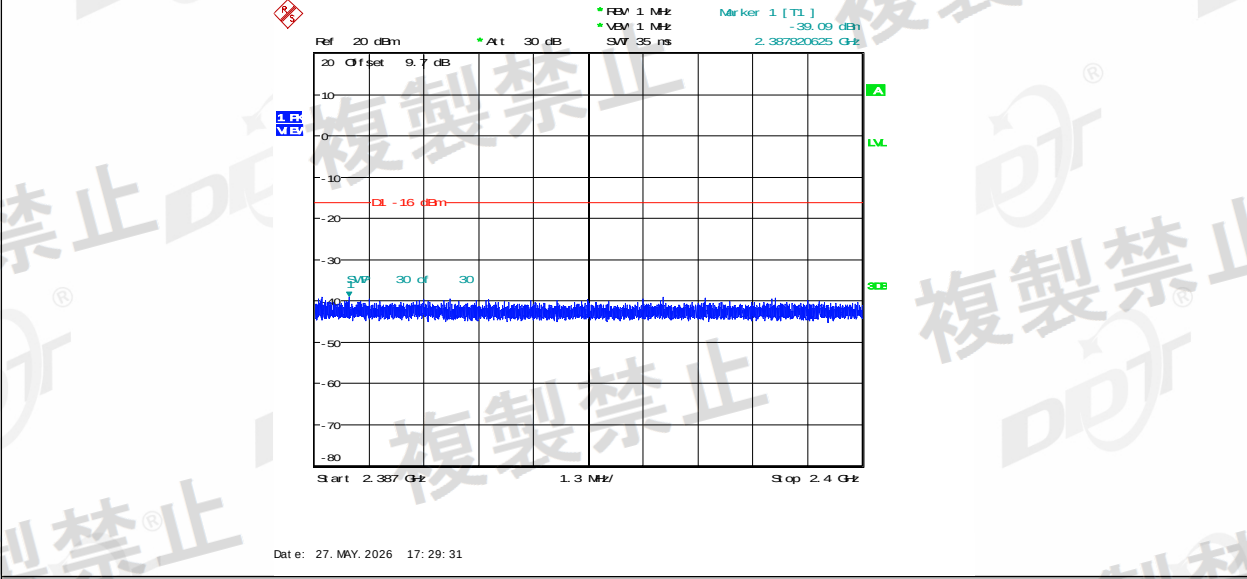
NTNV_2DH5_Ant1_2402_2496.5~13000



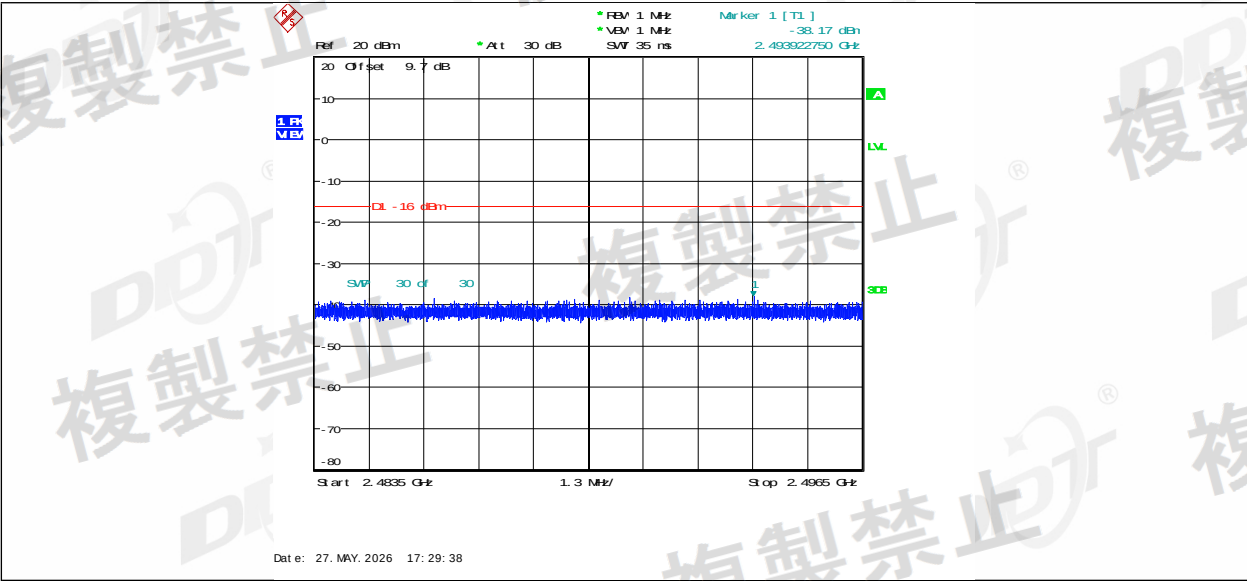
NTNV 2DH5 Ant1 2441 30~2387



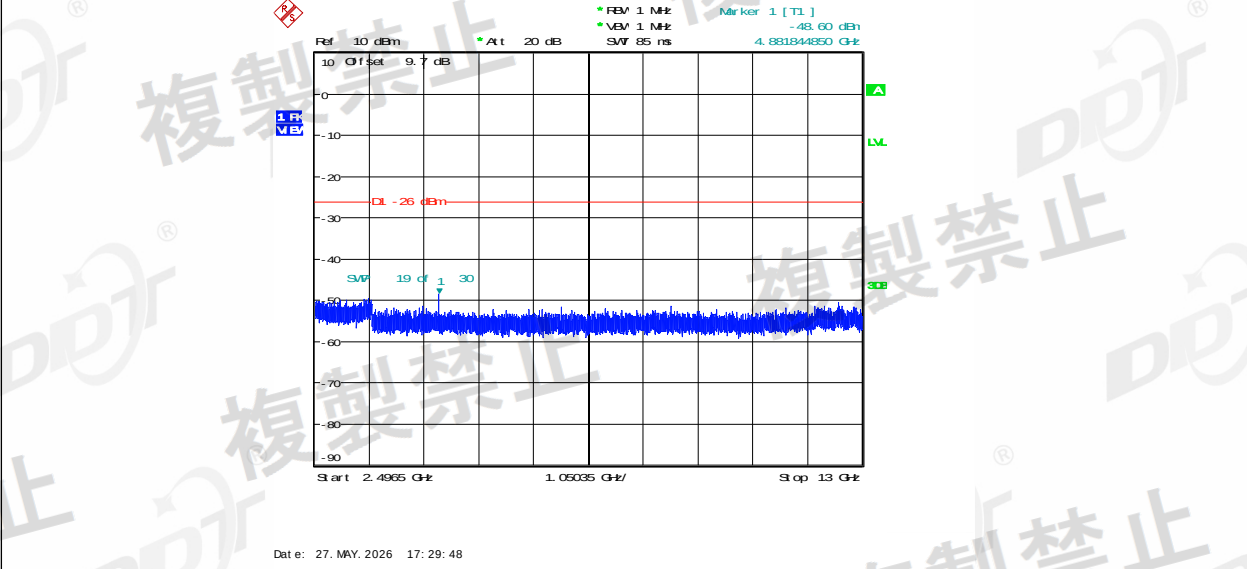
NTNV 2DH5 Ant1 2441 2387~2400



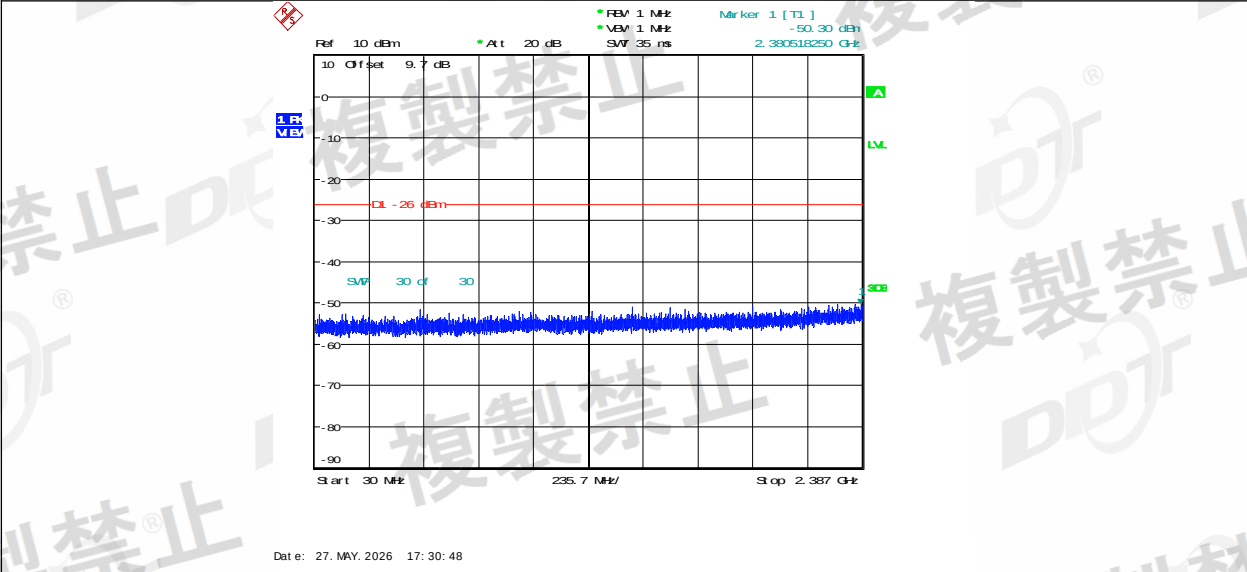
NTNV 2DH5 Ant1 2441 2483.5~2496.5



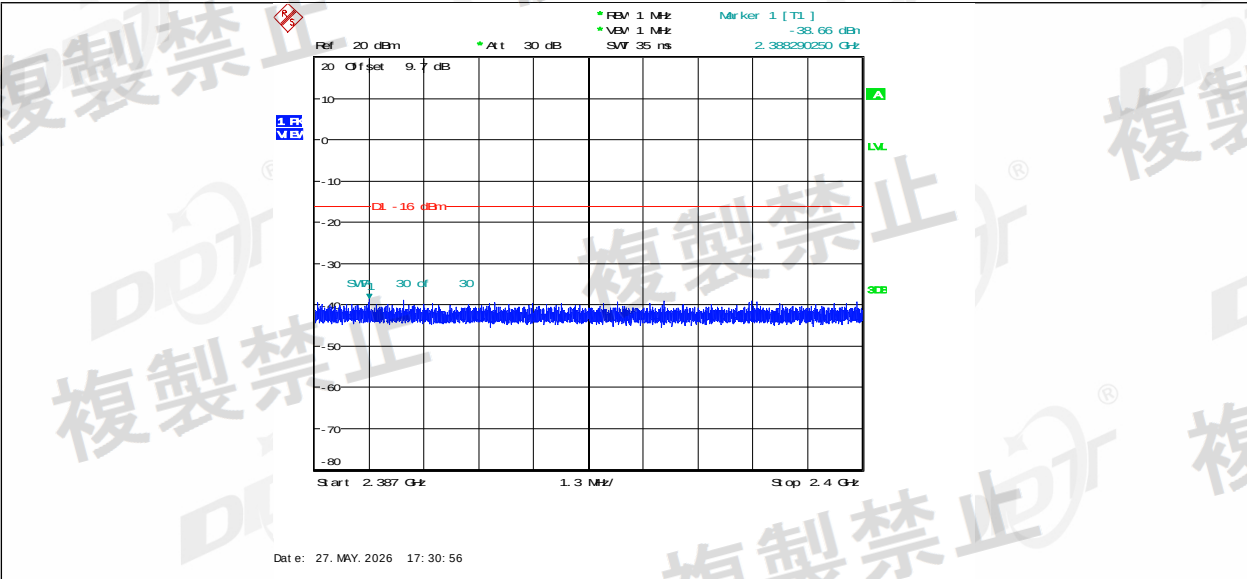
NTNV_2DH5_Ant1_2441_2496.5~13000



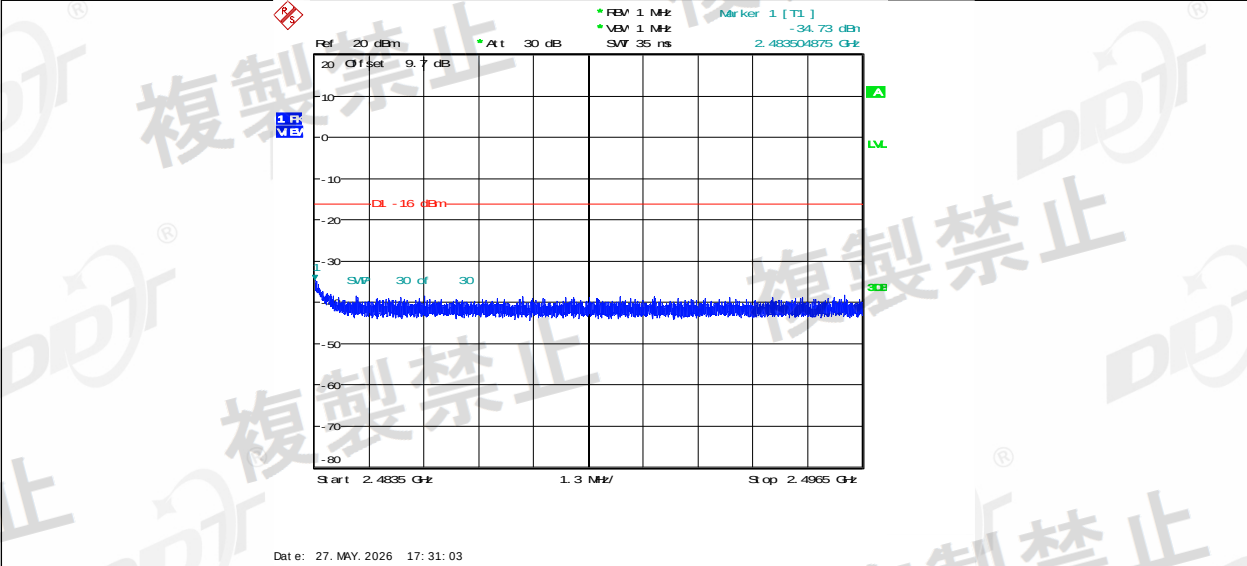
NTNV_2DH5_Ant1_2480_30~2387



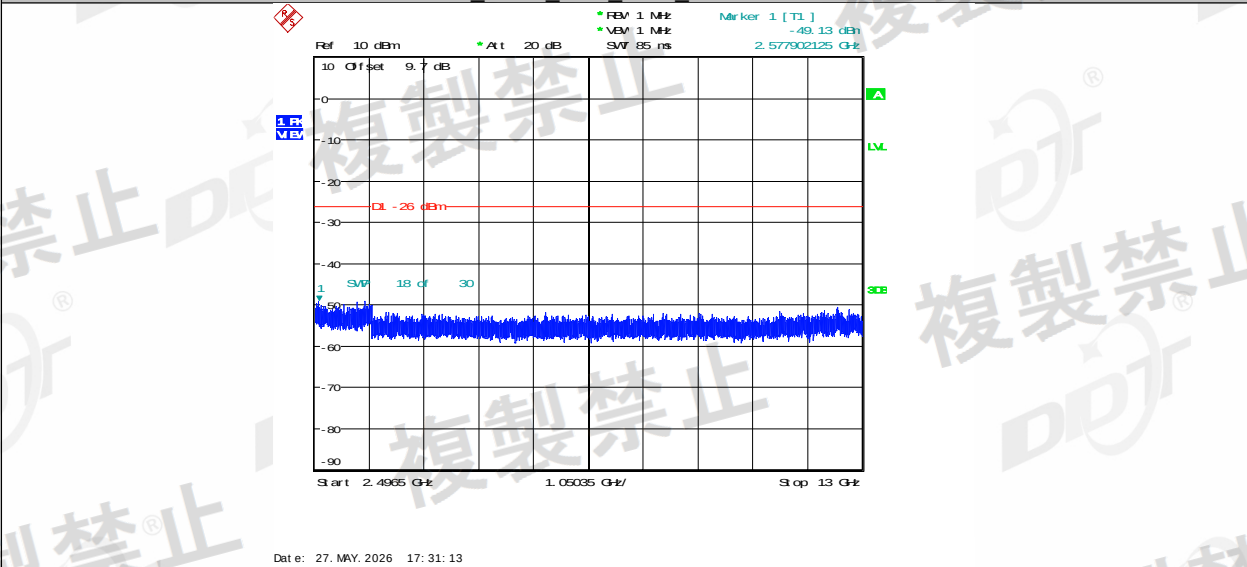
NTNV_2DH5_Ant1_2480_2387~2400



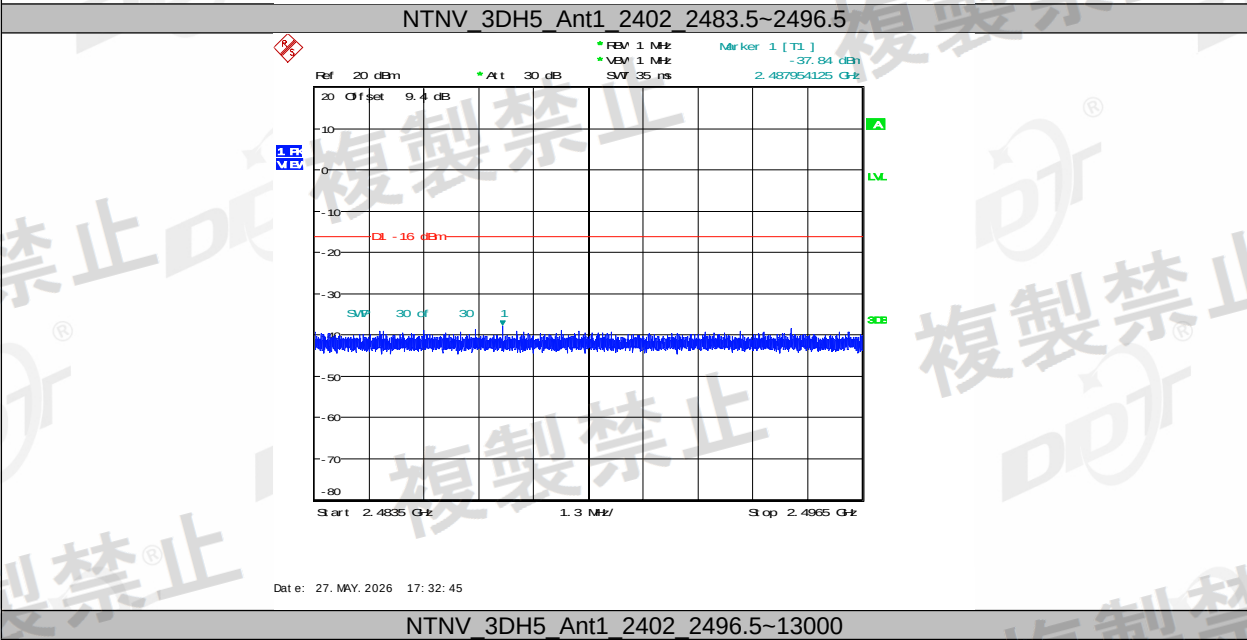
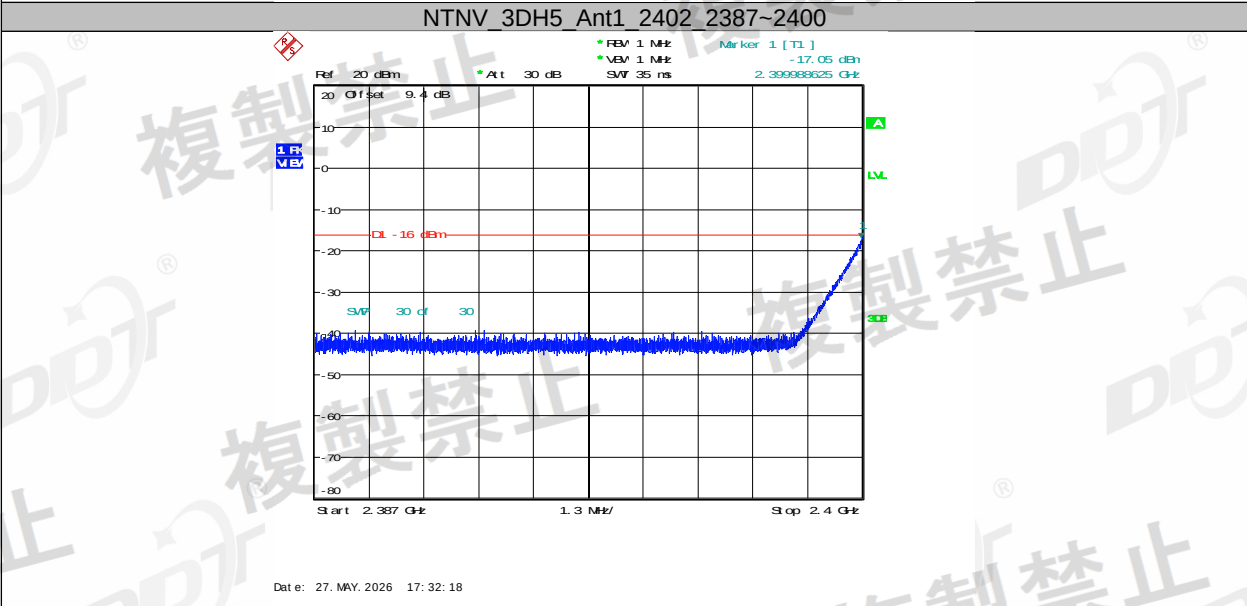
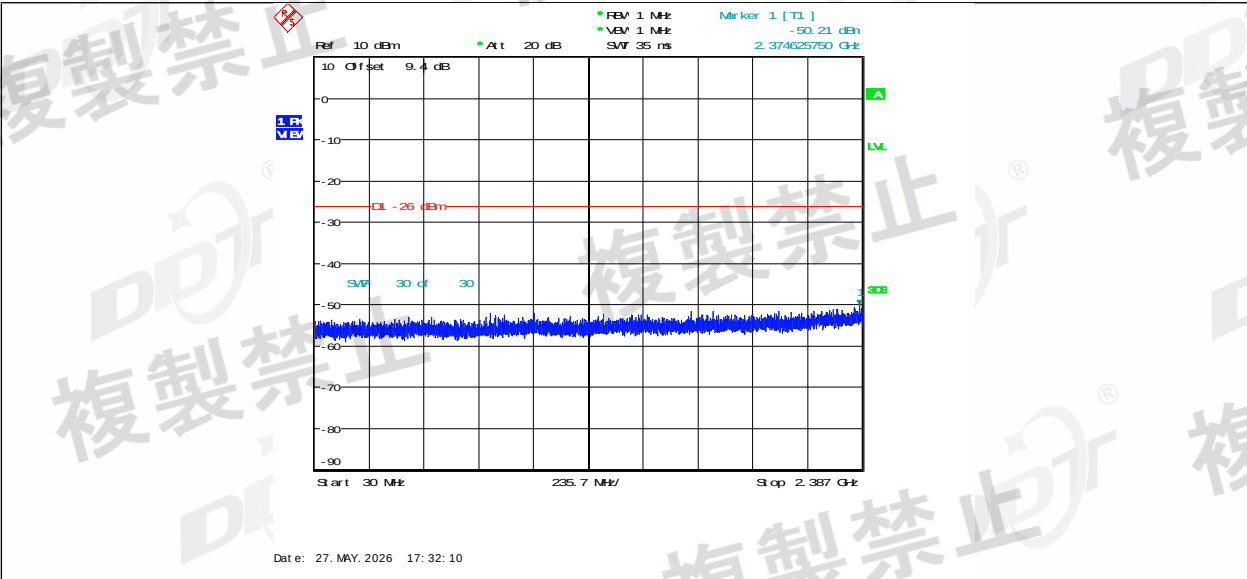
NTNV_2DH5_Ant1_2480_2483.5~2496.5

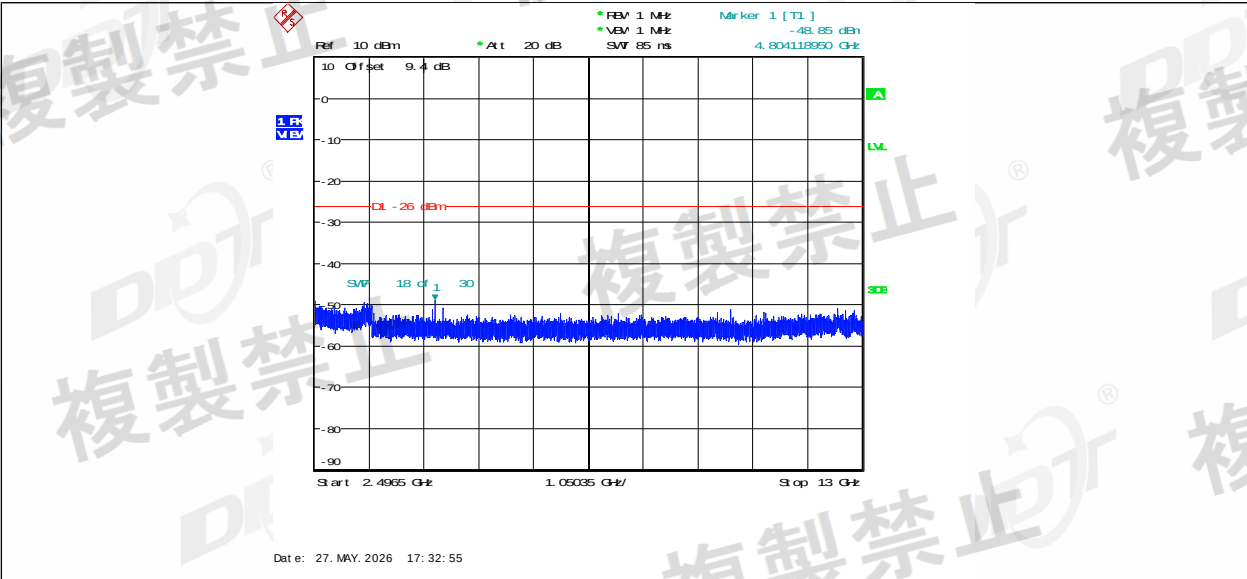


NTNV_2DH5_Ant1_2480_2496.5~13000

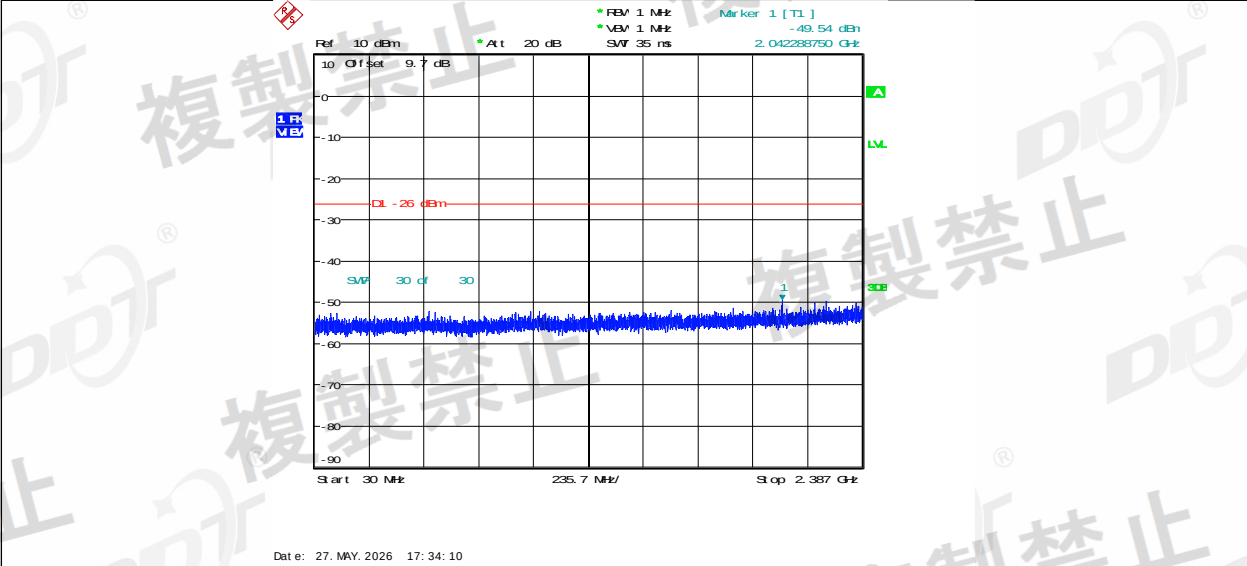


NTNV_3DH5_Ant1_2402_30~2387

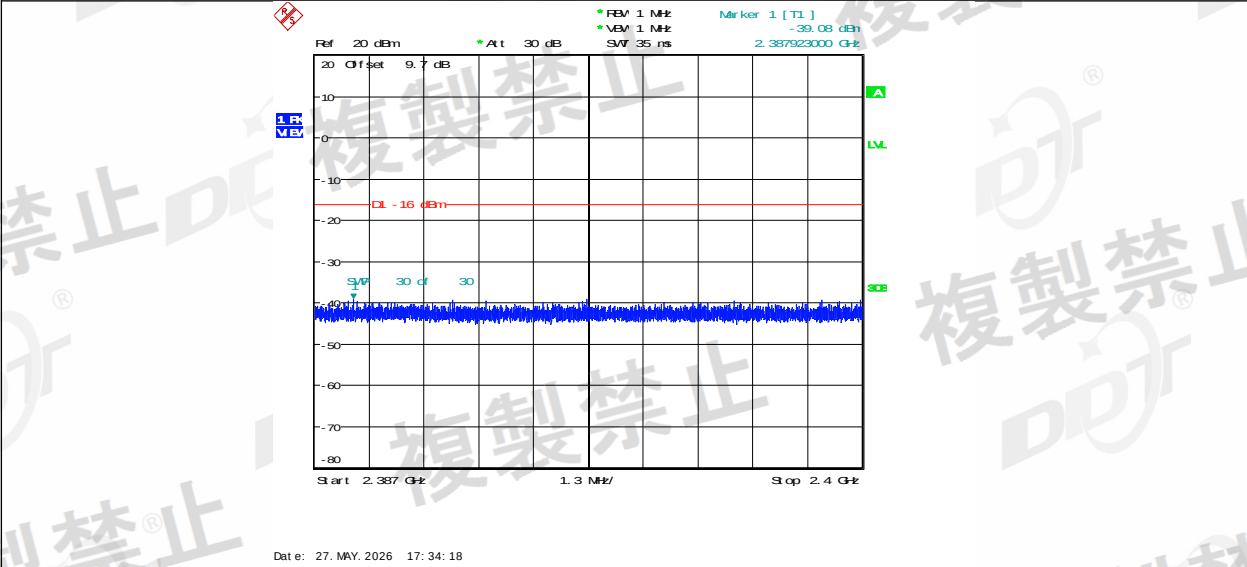




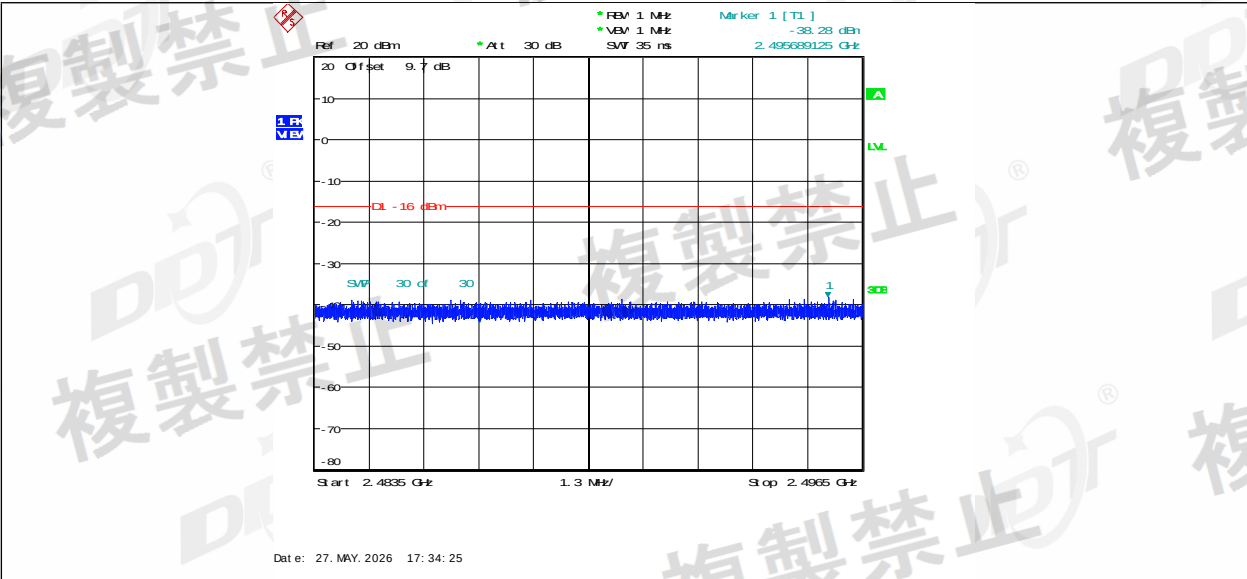
NTNV_3DH5_Ant1_2441_30~2387



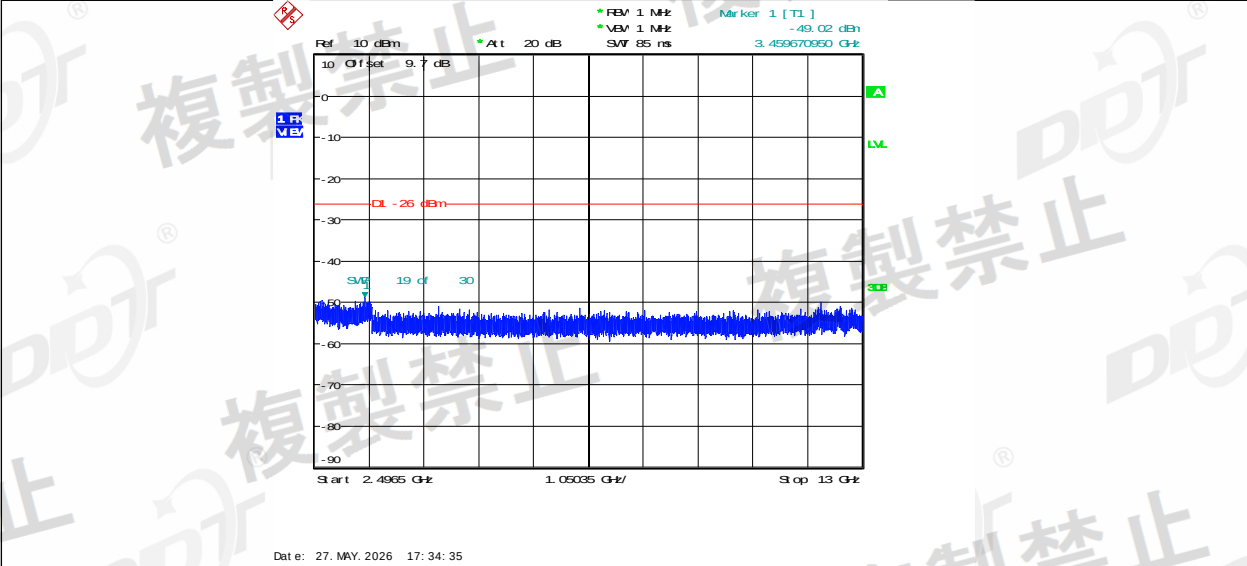
NTNV_3DH5_Ant1_2441_2387~2400



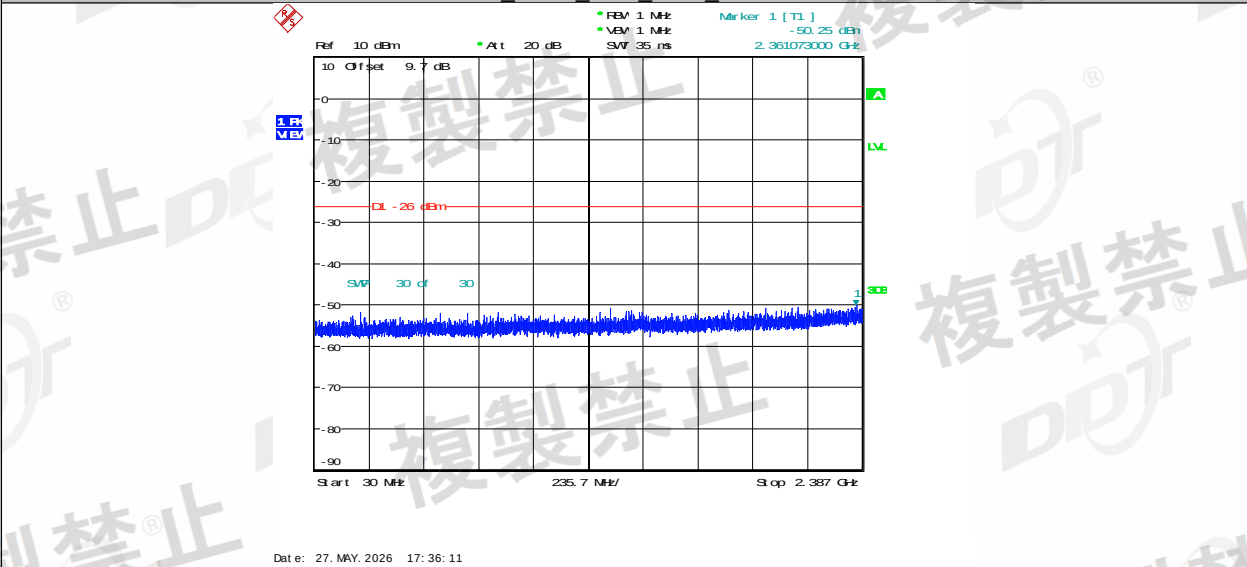
NTNV_3DH5_Ant1_2441_2483.5~2496.5



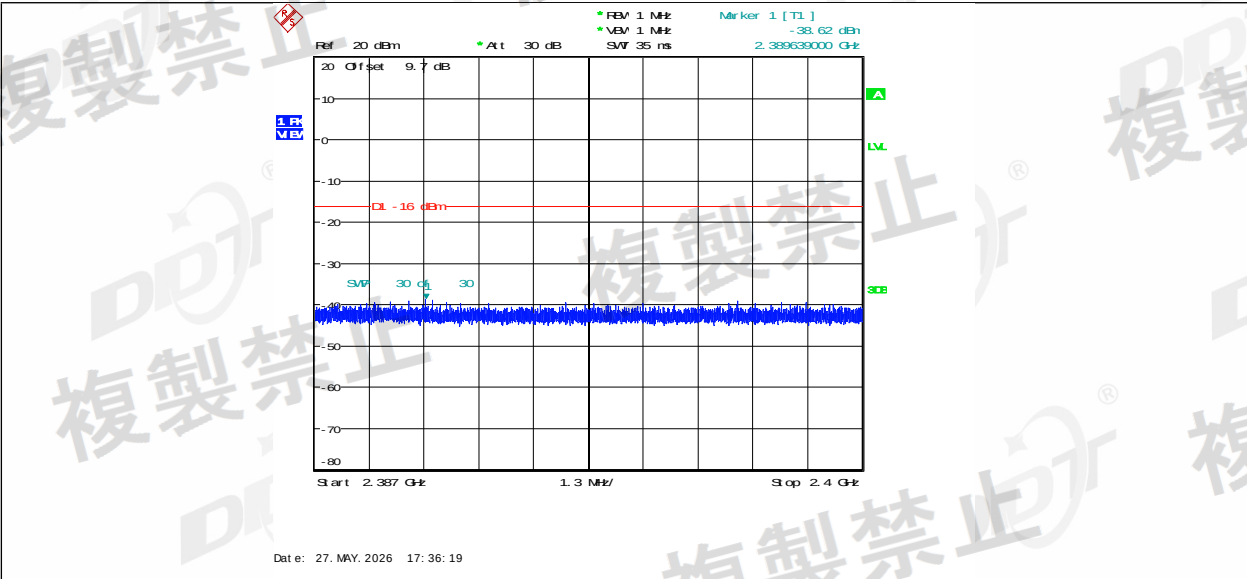
NTNV_3DH5_Ant1_2441_2496.5~13000



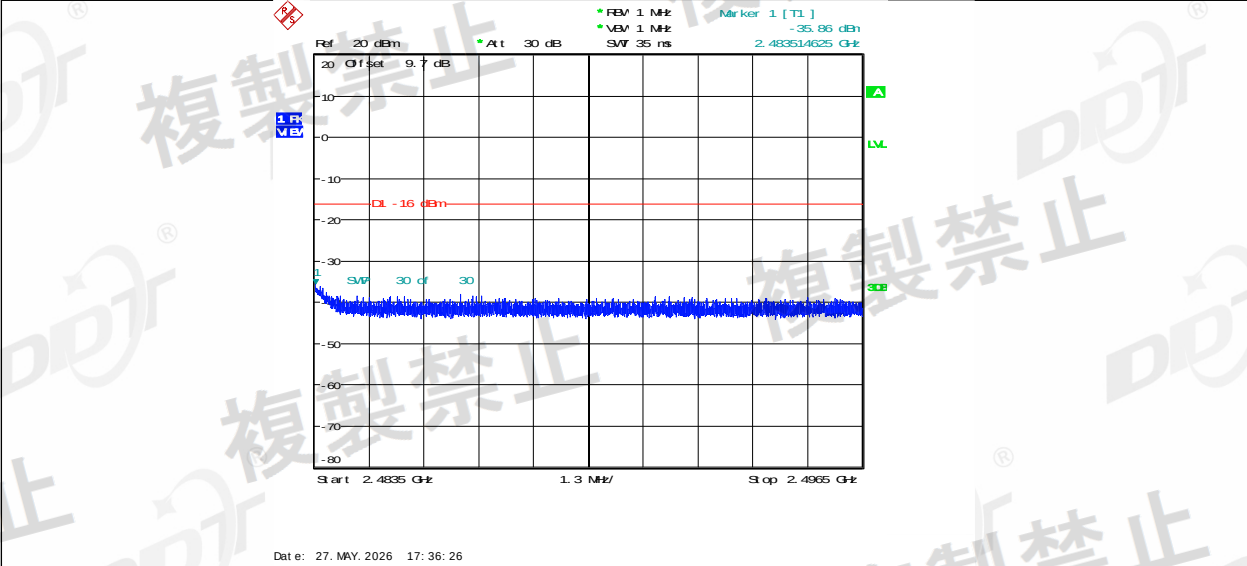
NTNV_3DH5_Ant1_2480_30~2387



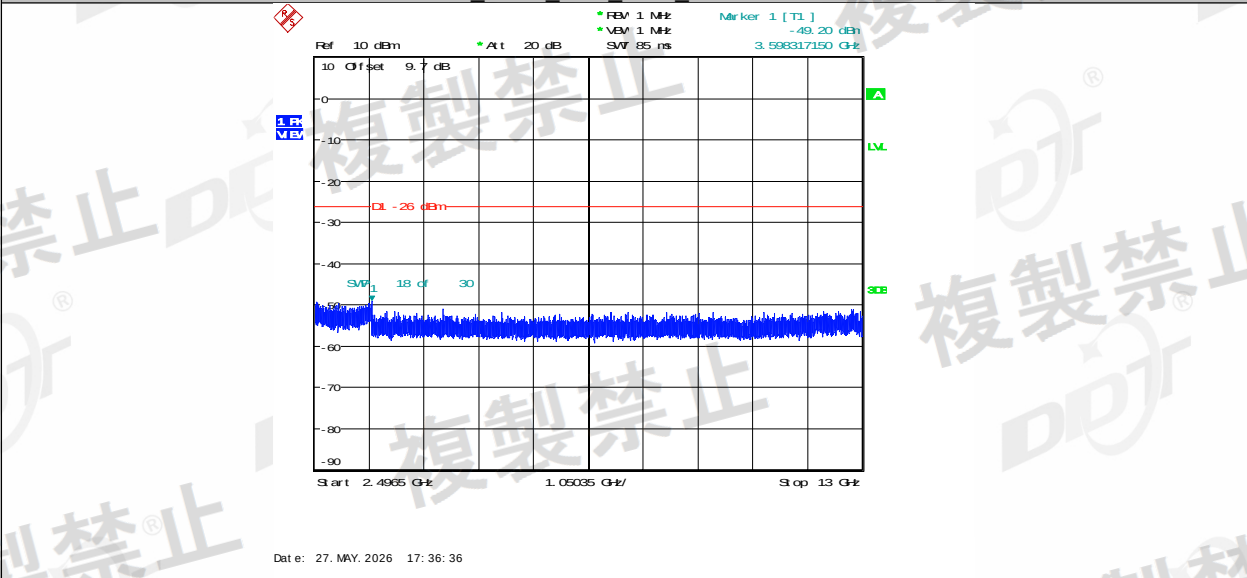
NTNV_3DH5_Ant1_2480_2387~2400



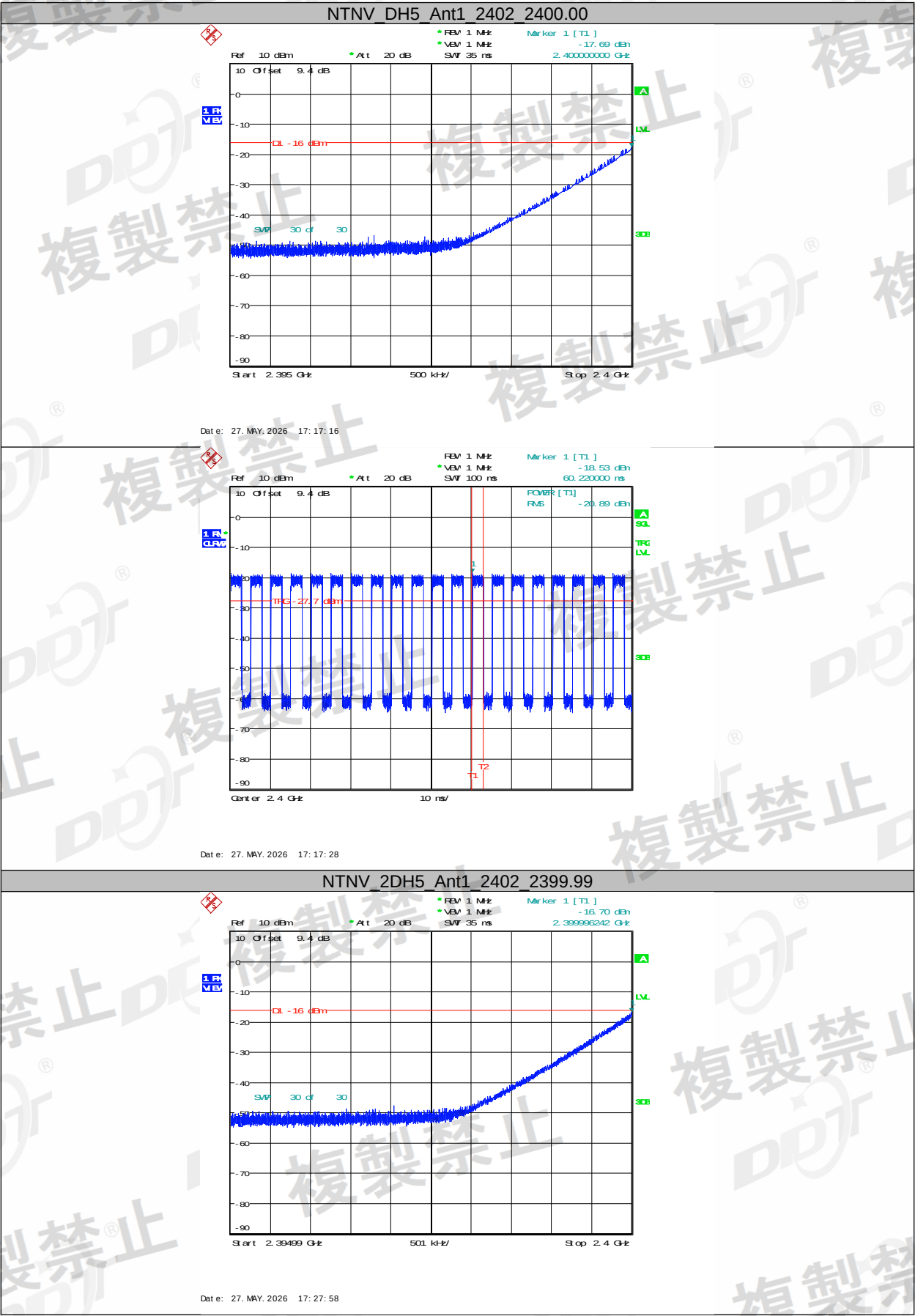
NTNV_3DH5_Ant1_2480_2483.5~2496.5

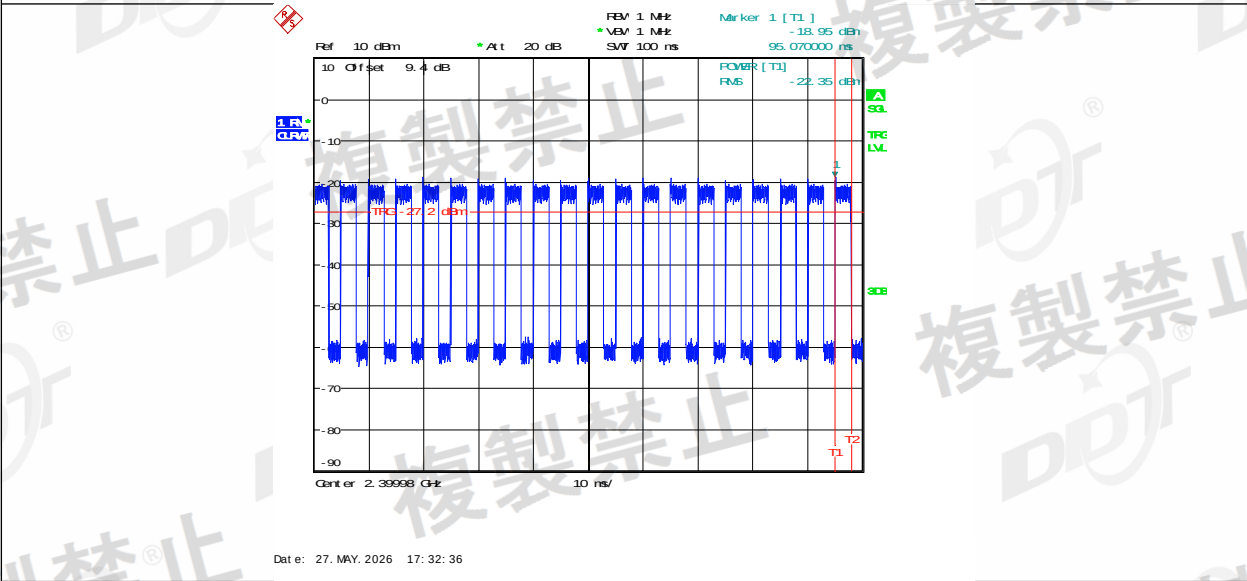
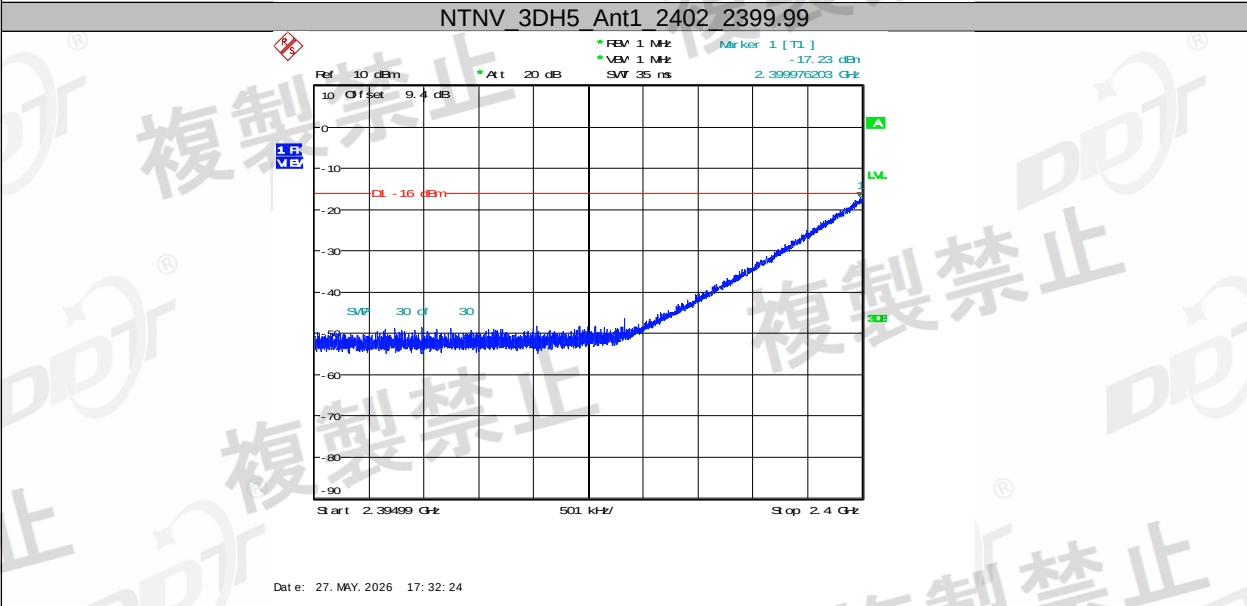
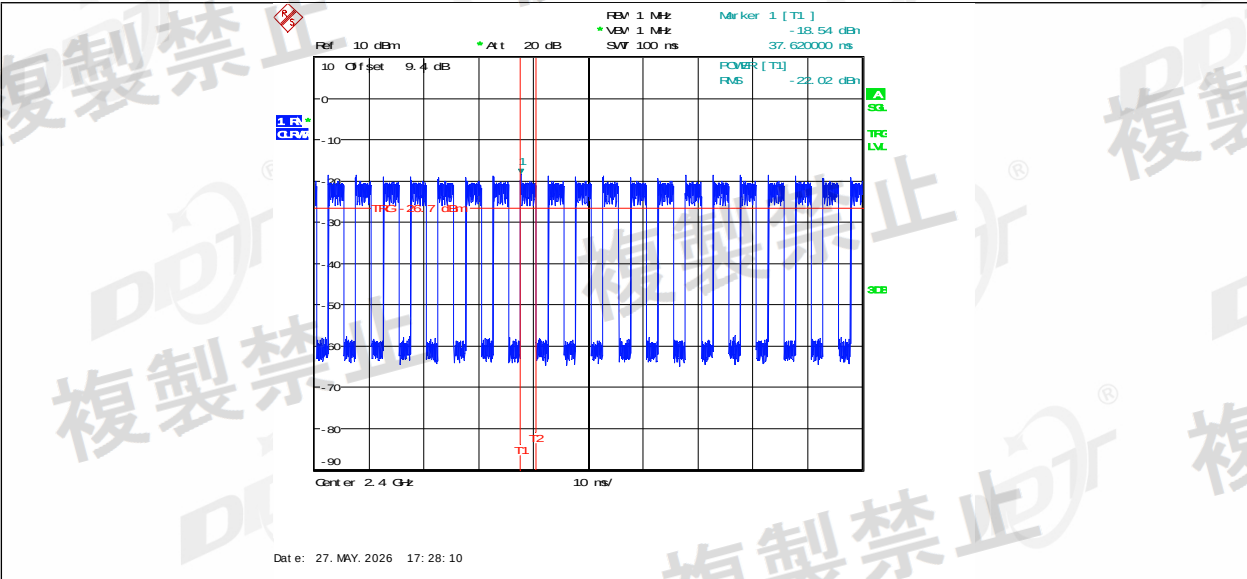


NTNV_3DH5_Ant1_2480_2496.5~13000



9.7. Test Graphs_Step2



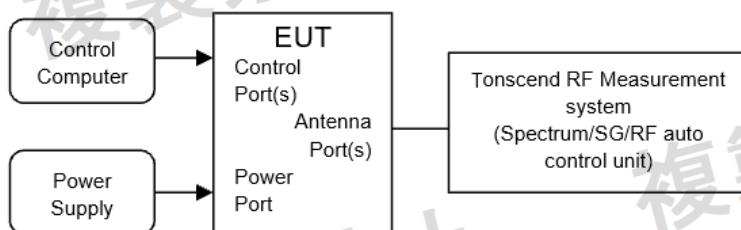


10. Secondary Radiated Emissions

10.1. 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, 4 nW 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.

10.2. Block diagram of test setup



10.3. Test procedure

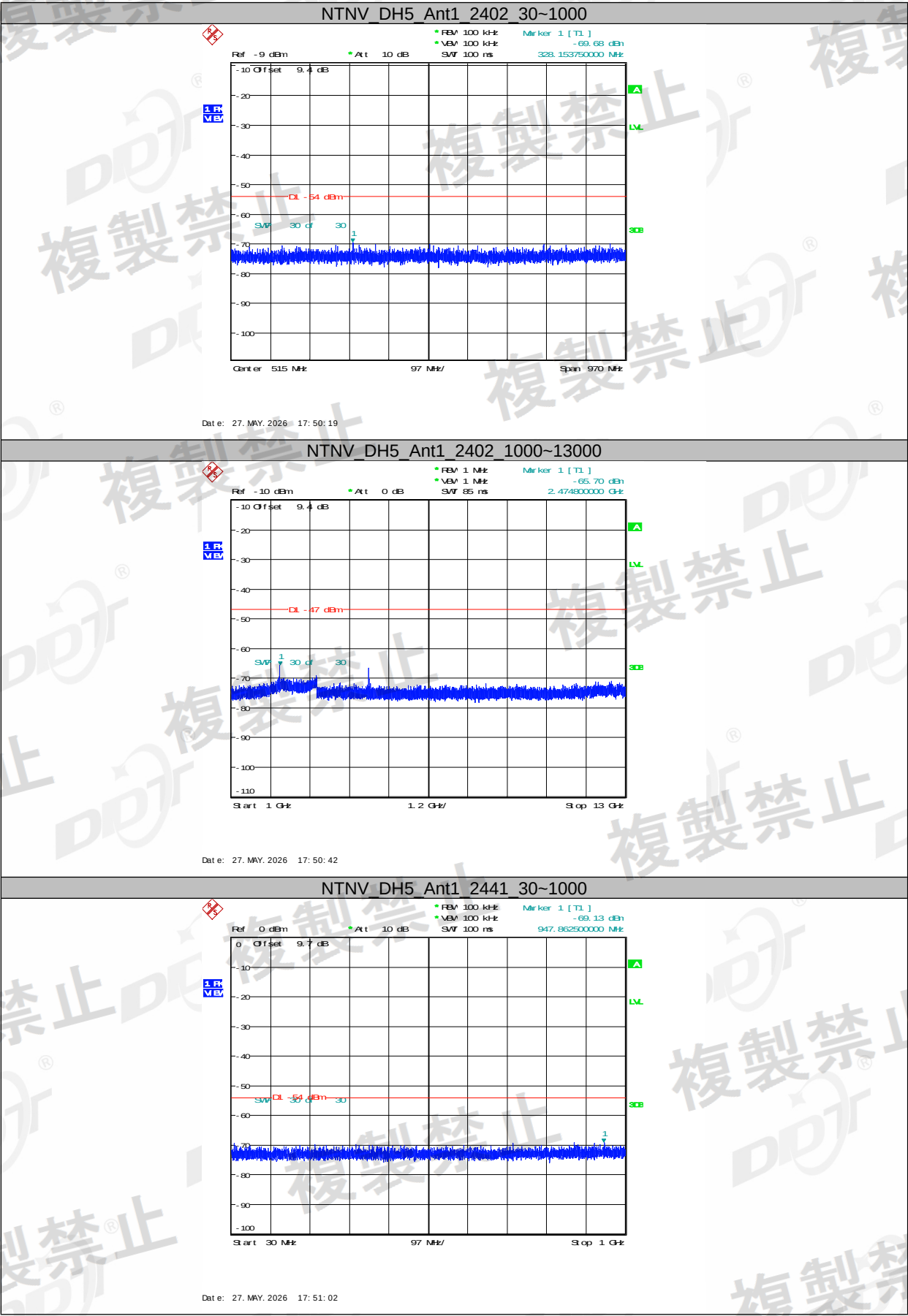
- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Resolution BW: 100 kHz for frequency below 1 GHz and 1 MHz for frequency above 1 GHz
Video BW: 100 kHz for frequency below 1 GHz and 1 MHz for frequency above 1 GHz
Detector: Peak.
Trace Mode: Max Hold.
- (2) All the emissions from 30 MHz to 13 GHz were measured and record.
- (3) If the searched value is 1/10 or less of the allowable value specified in the Equipment Regulations, the searched value shall be the measured value.
- (4) If the searched value exceeds 1/10 of the allowable value specified in the equipment Regulations, the frequency sweep width is gradually narrowed to about 10 times the resolution bandwidth in order to improve the setting accuracy of the center frequency of the spectrum analyzer. Then, measure the secondary emission frequency, set the spectrum analyzer as below, perform averaging, and measure the secondary emission power.
Span: 0Hz
Resolution BW: 100kHz for frequency below 1GHz and 1MHz for frequency above 1GHz.
Video BW: Same with Resolution BW
Detector: Sample
Trace Mode: Max. Hold

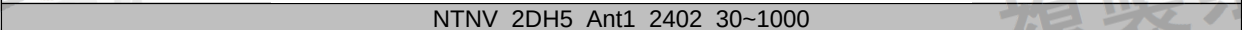
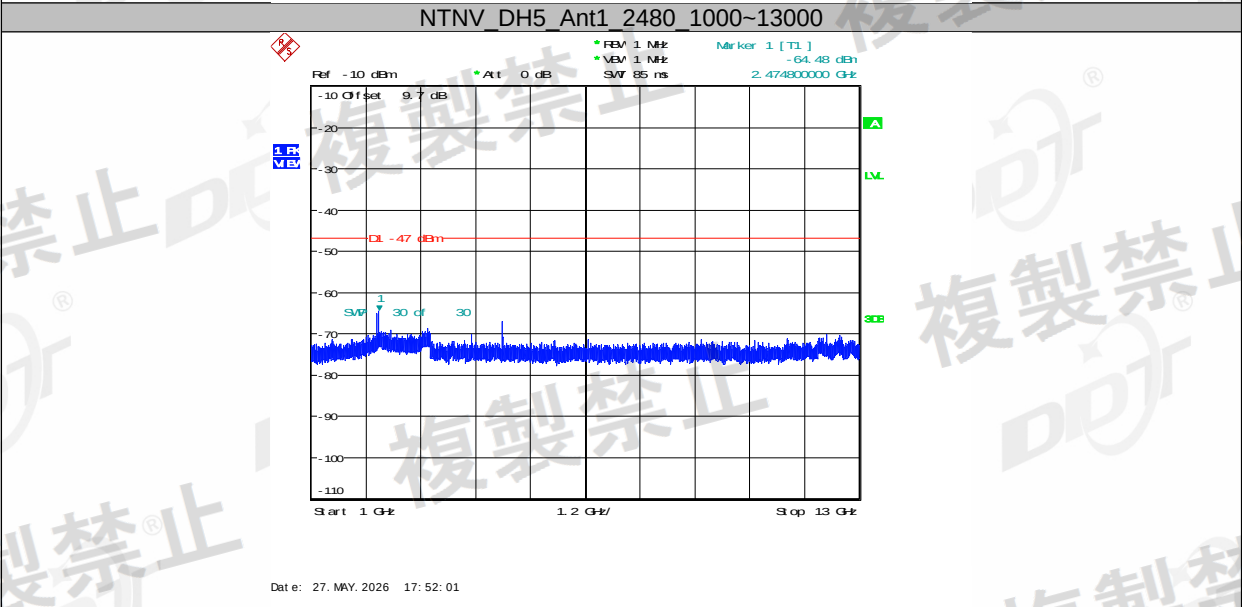
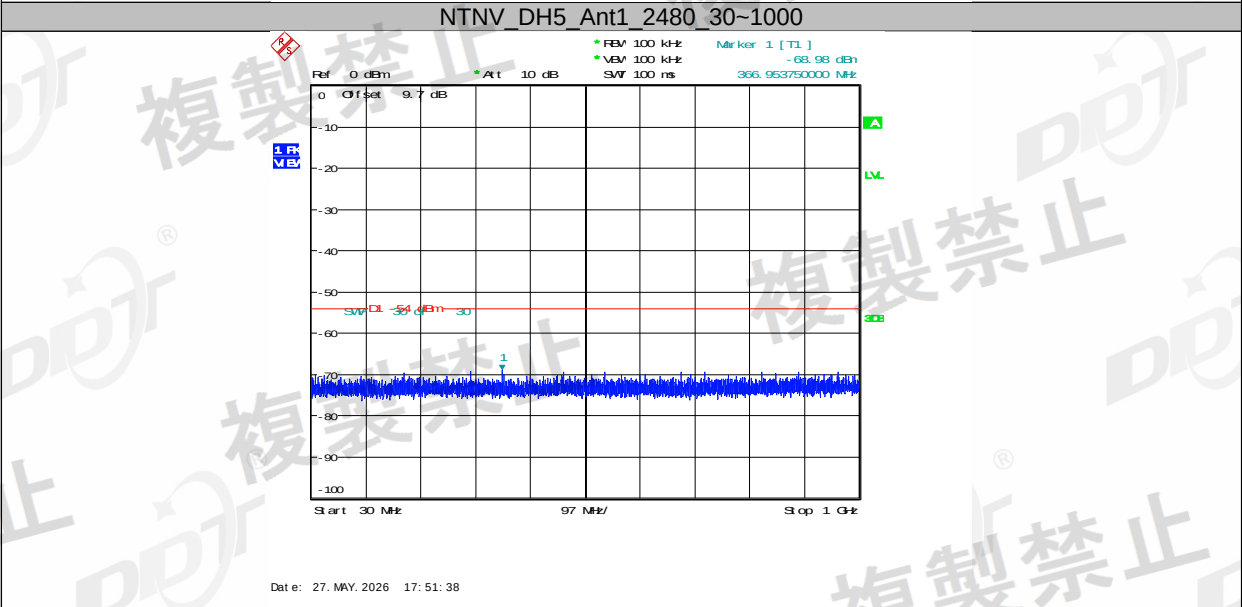
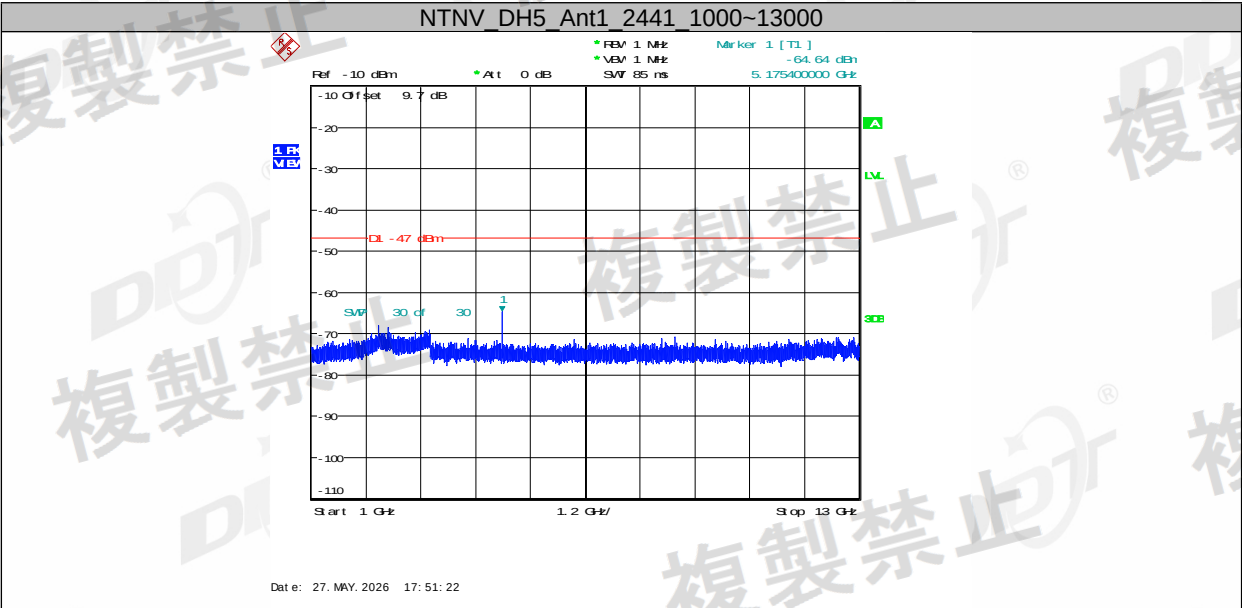
10.4. Test result

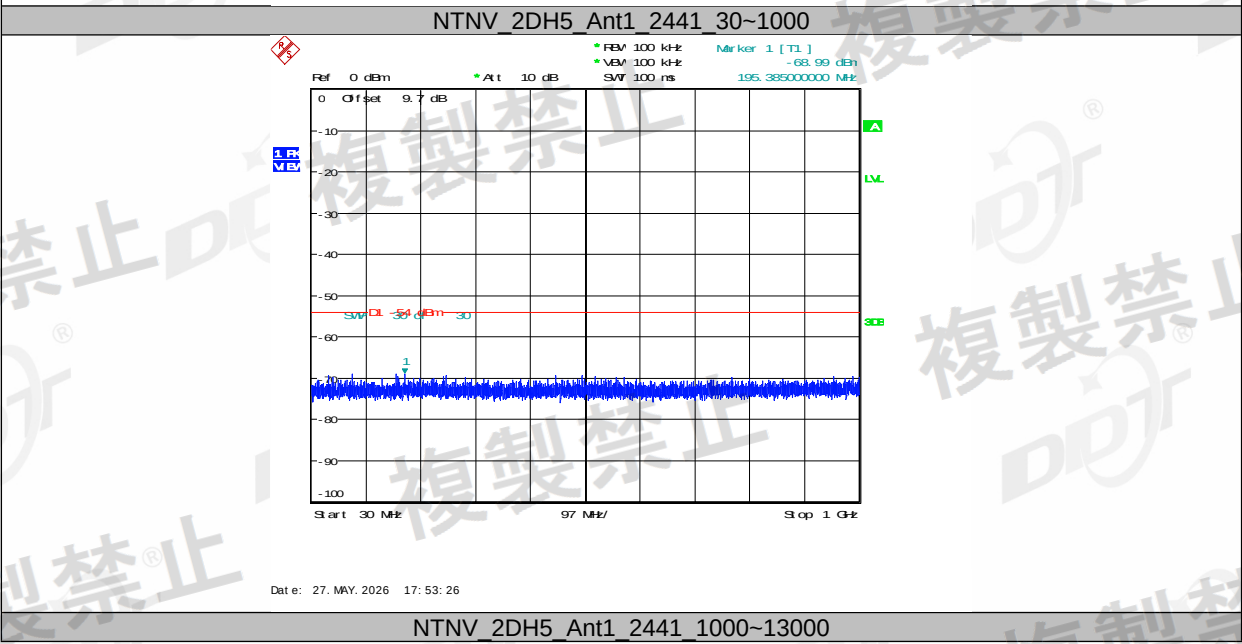
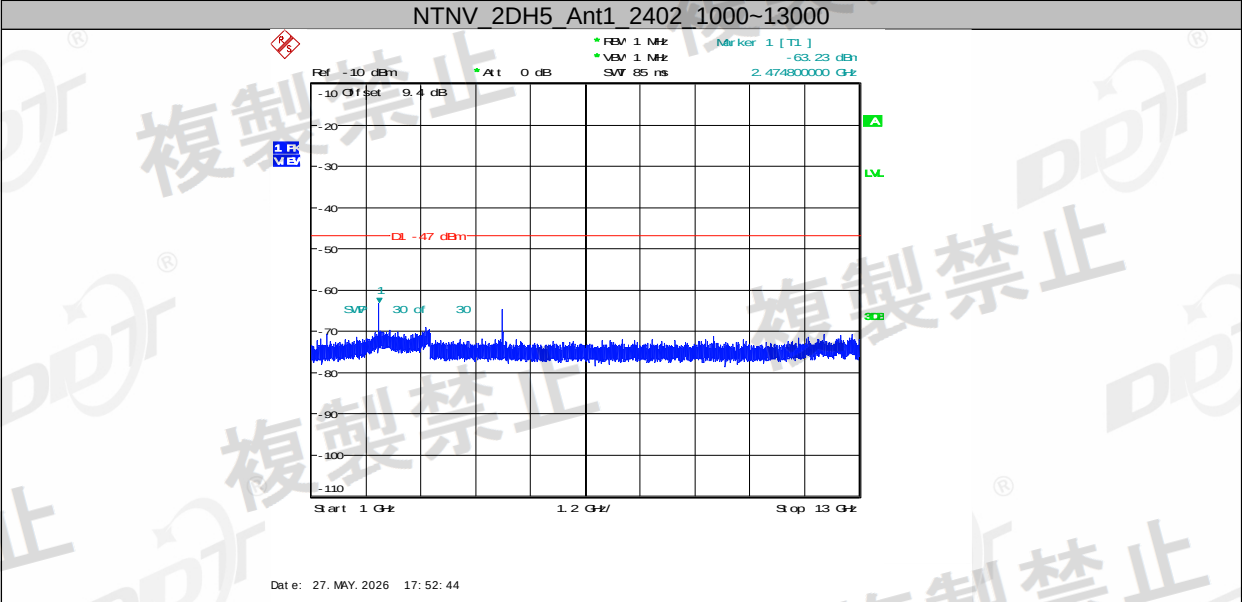
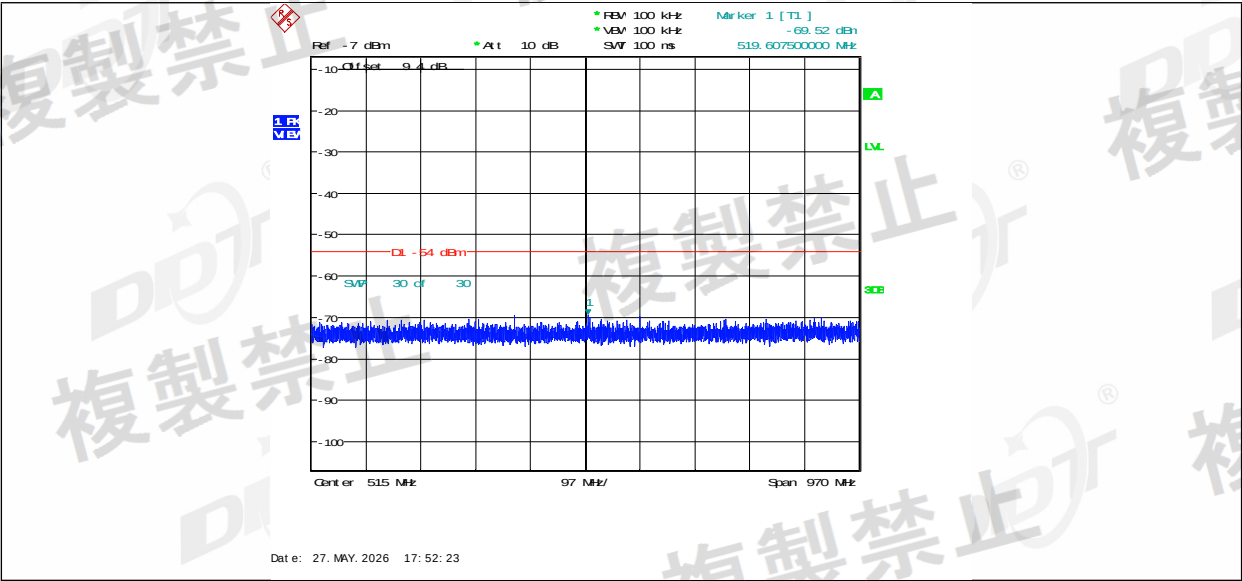
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.06.04
Test Power Supply:	Battery	Sample Number:	S26032201-040

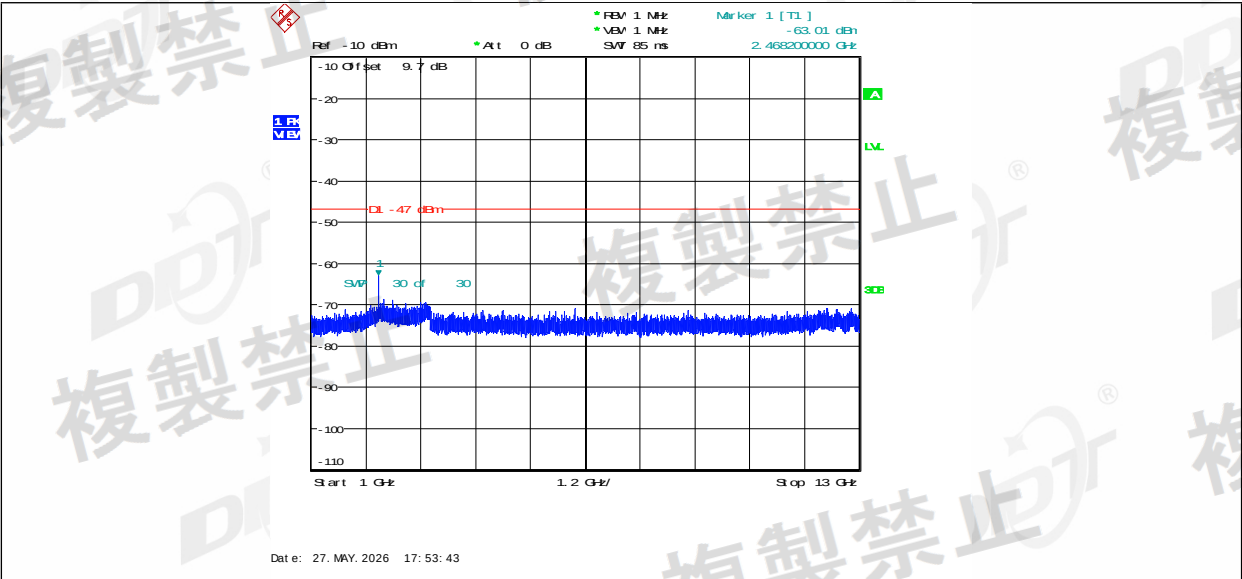
Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
NTNV	DH5	Ant1	2402	30~1000	-69.68	≤-54	PASS
				1000~13000	-65.70	≤-47	PASS
			2441	30~1000	-69.13	≤-54	PASS
				1000~13000	-64.64	≤-47	PASS
			2480	30~1000	-68.98	≤-54	PASS
				1000~13000	-64.48	≤-47	PASS
	2DH5	Ant1	2402	30~1000	-69.52	≤-54	PASS
				1000~13000	-63.23	≤-47	PASS
			2441	30~1000	-68.99	≤-54	PASS
				1000~13000	-63.01	≤-47	PASS
			2480	30~1000	-69.17	≤-54	PASS
				1000~13000	-64.97	≤-47	PASS
	3DH5	Ant1	2402	30~1000	-69.82	≤-54	PASS
				1000~13000	-63.38	≤-47	PASS
			2441	30~1000	-68.52	≤-54	PASS
				1000~13000	-65.22	≤-47	PASS
			2480	30~1000	-69.63	≤-54	PASS
				1000~13000	-69.14	≤-47	PASS

10.5. Test graphs

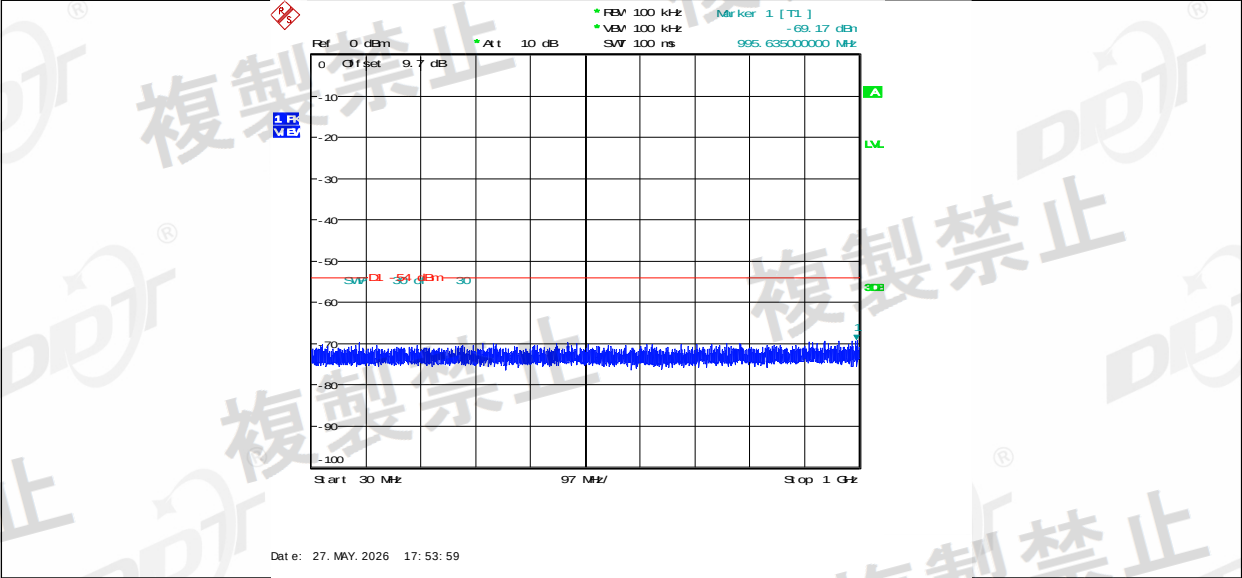




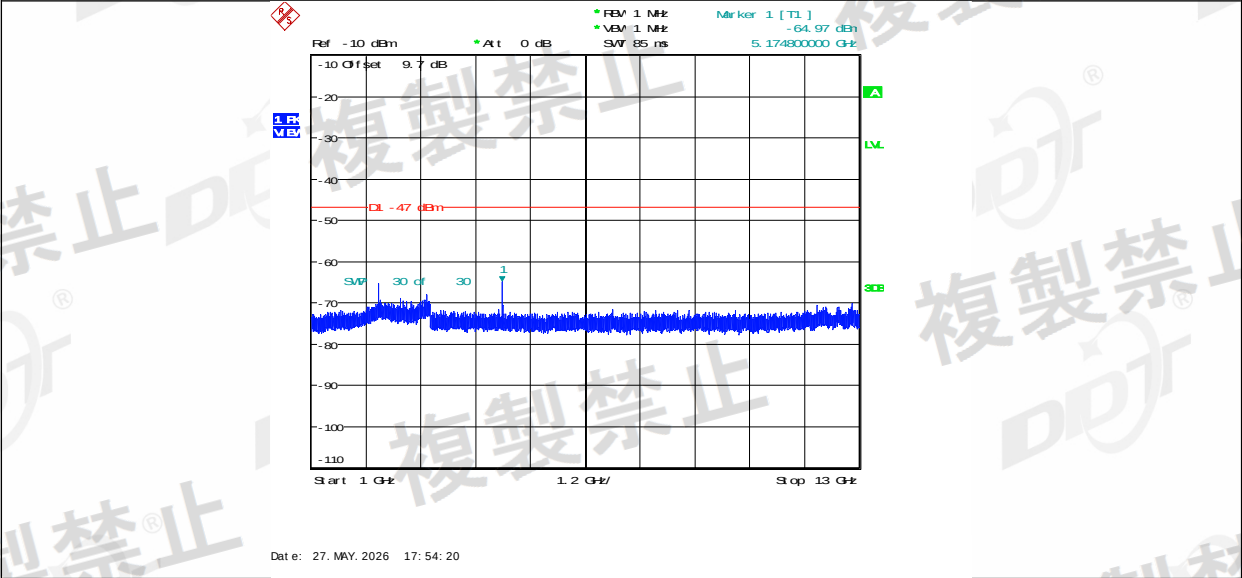




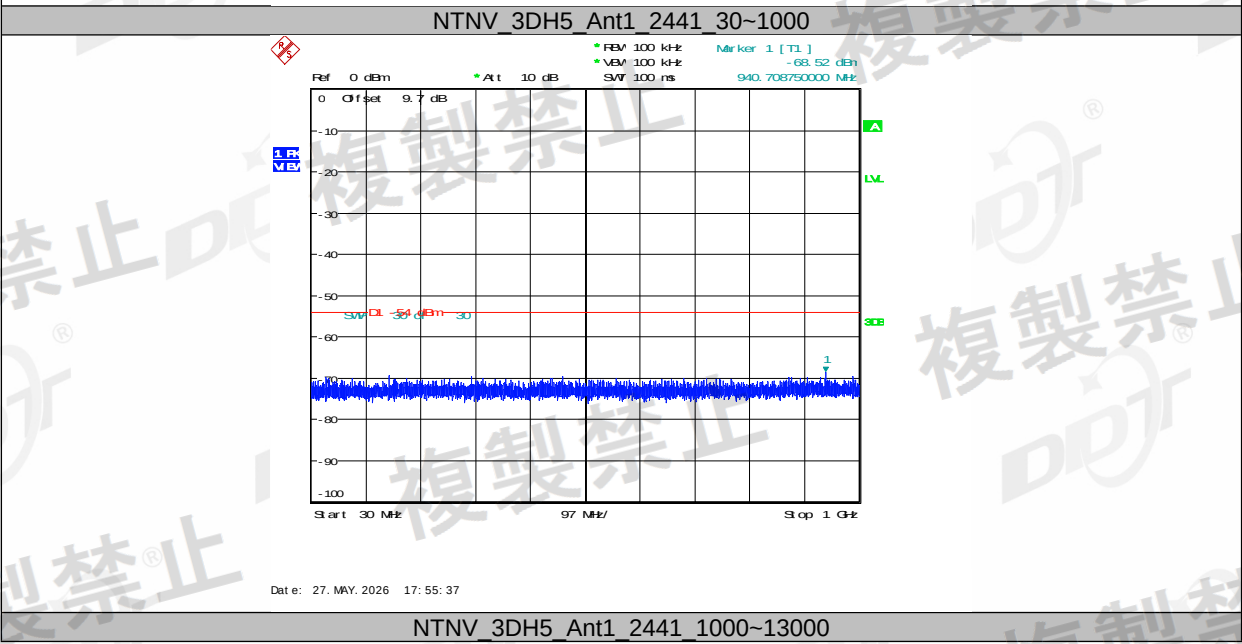
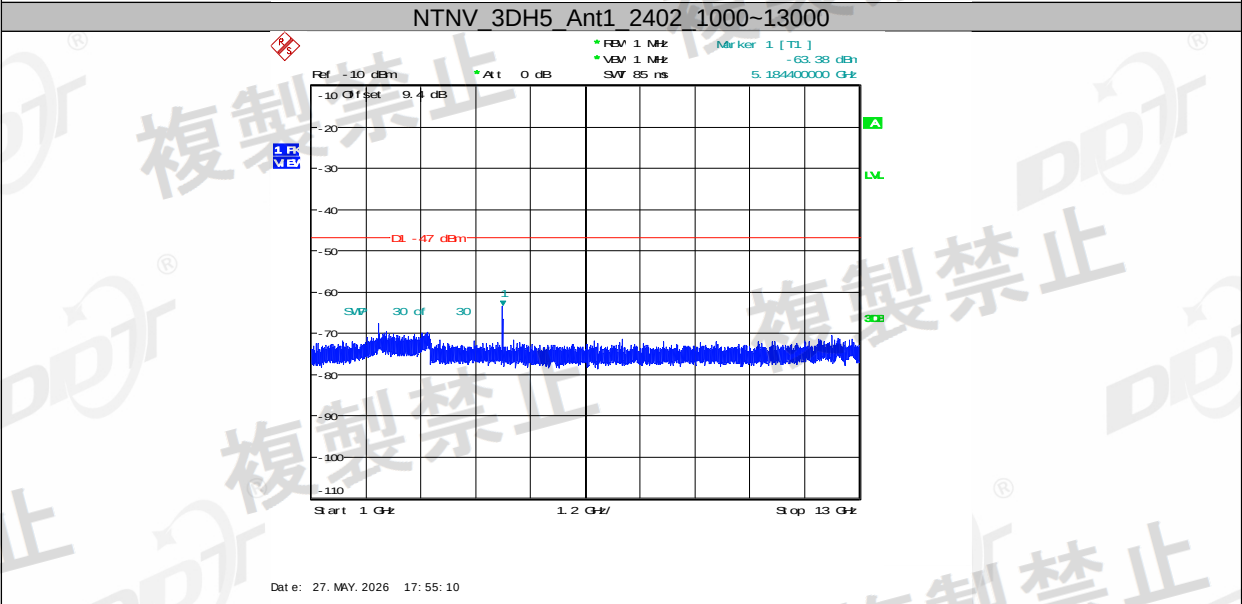
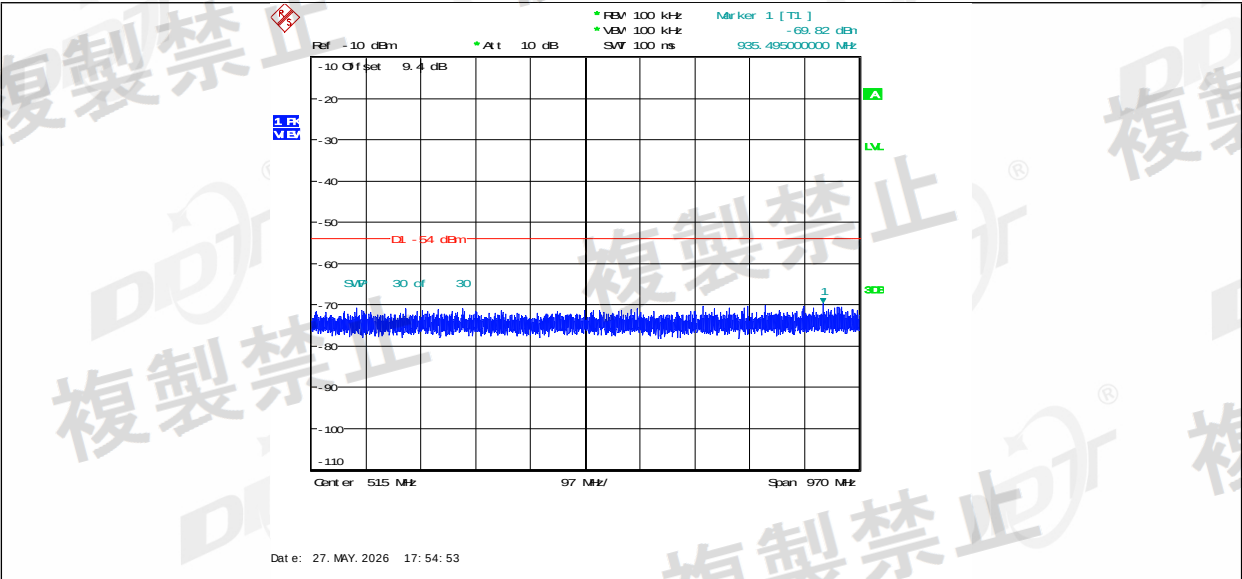
NTNV 2DH5 Ant1 2480 30~1000

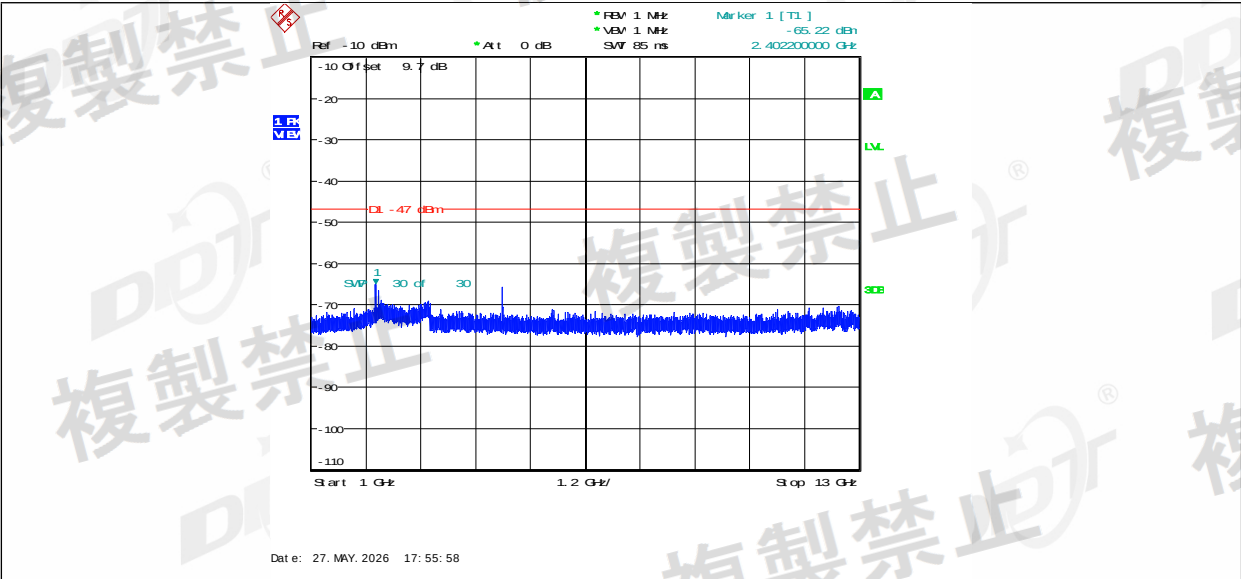


NTNV 2DH5 Ant1 2480 1000~13000

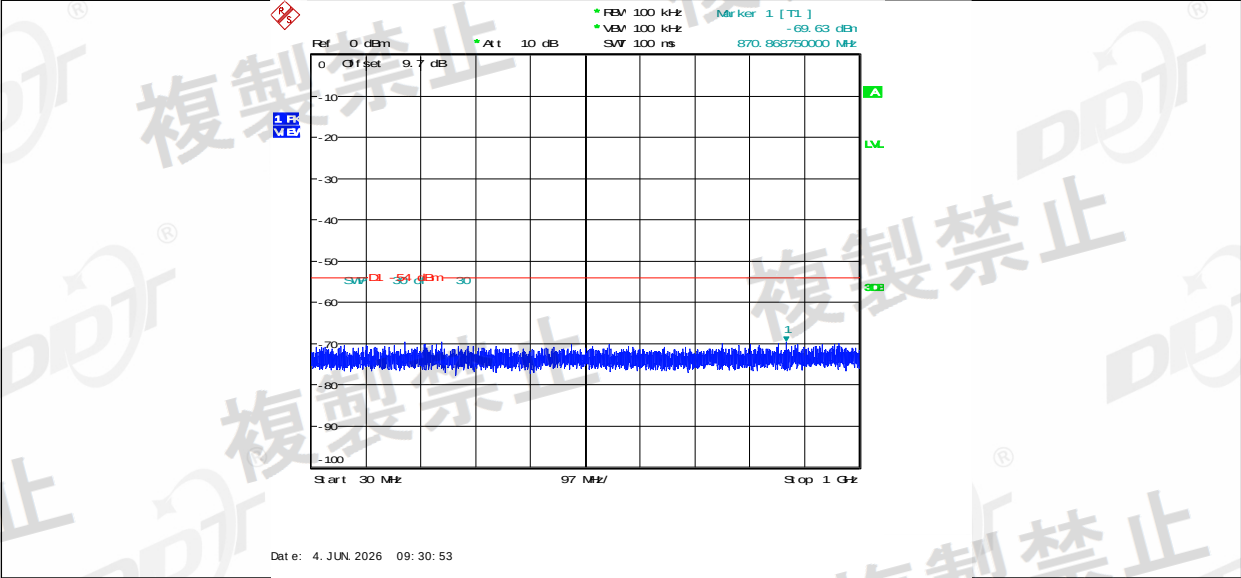


NTNV 3DH5 Ant1 2402 30~1000

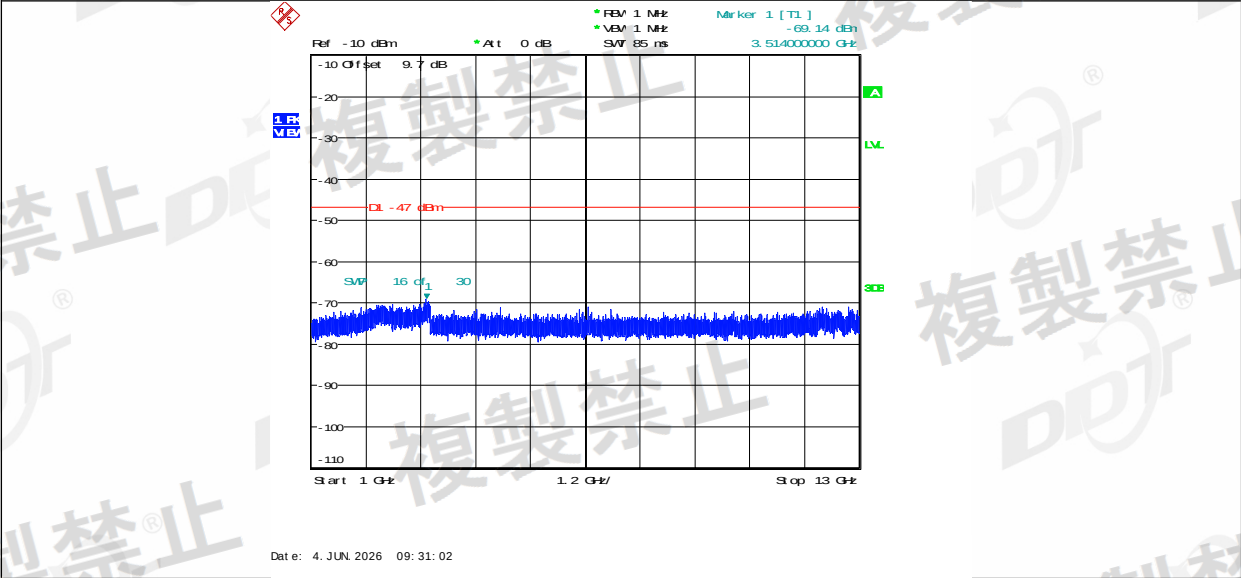




NTV 3DH5 Ant1 2480 30~1000



NTV 3DH5 Ant1 2480 1000~13000

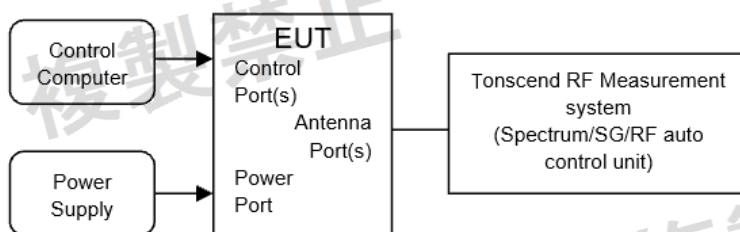


11. Dwell Time

11.1. Limit

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

11.2. Block diagram of test setup



11.3. Test procedure

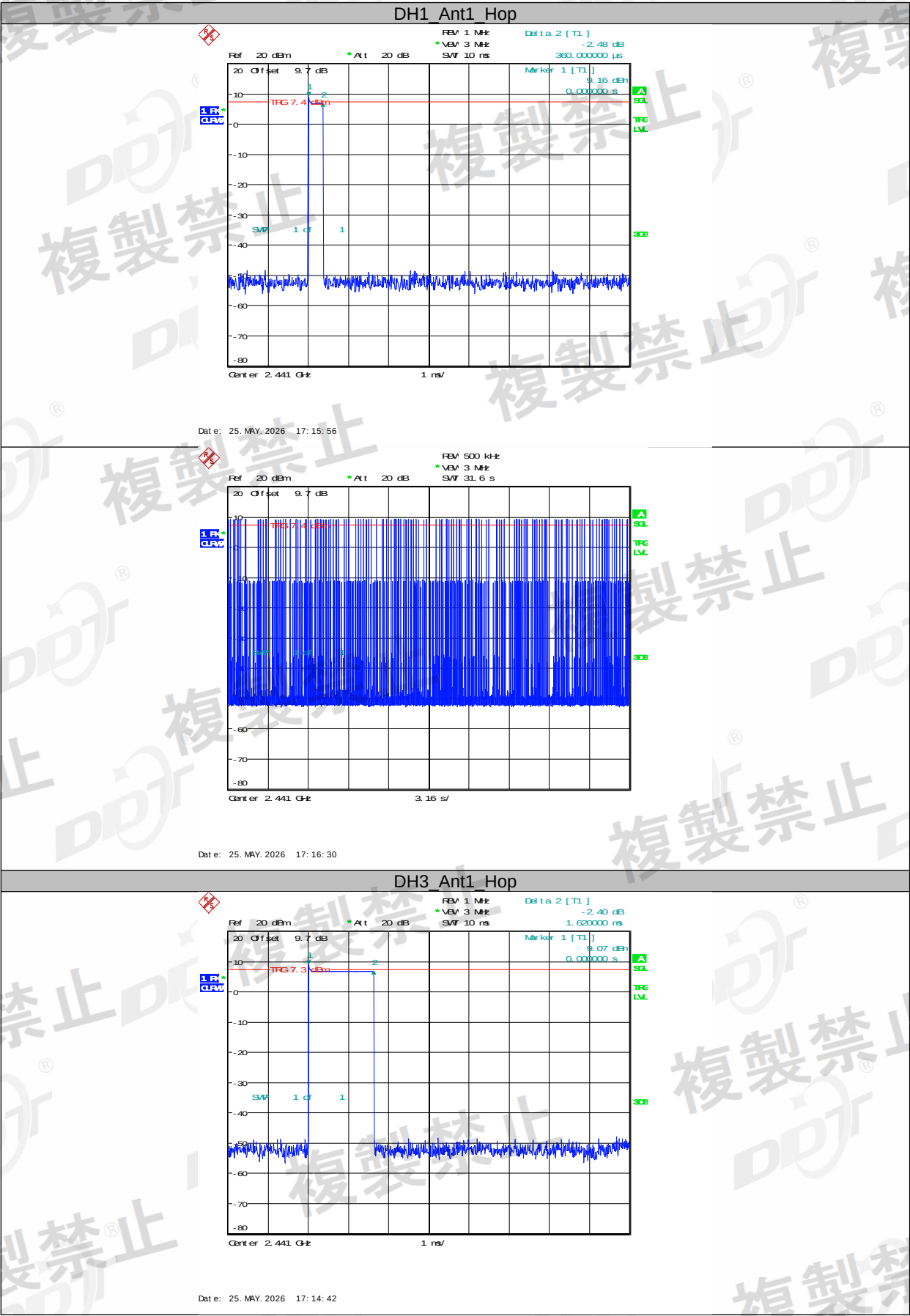
- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$.
- (3) Measure the hopping number and on time of each pulse with spectrum analyzer in zero span set, and calculate dwell time with formula Dwell time = total hops * pulse's on time.

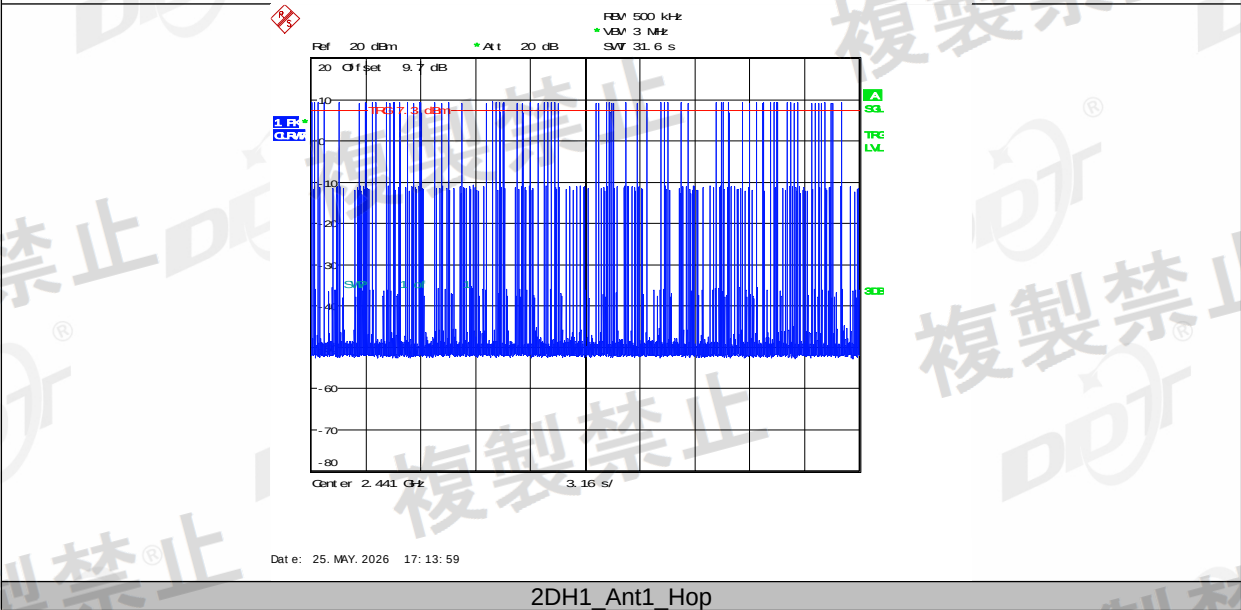
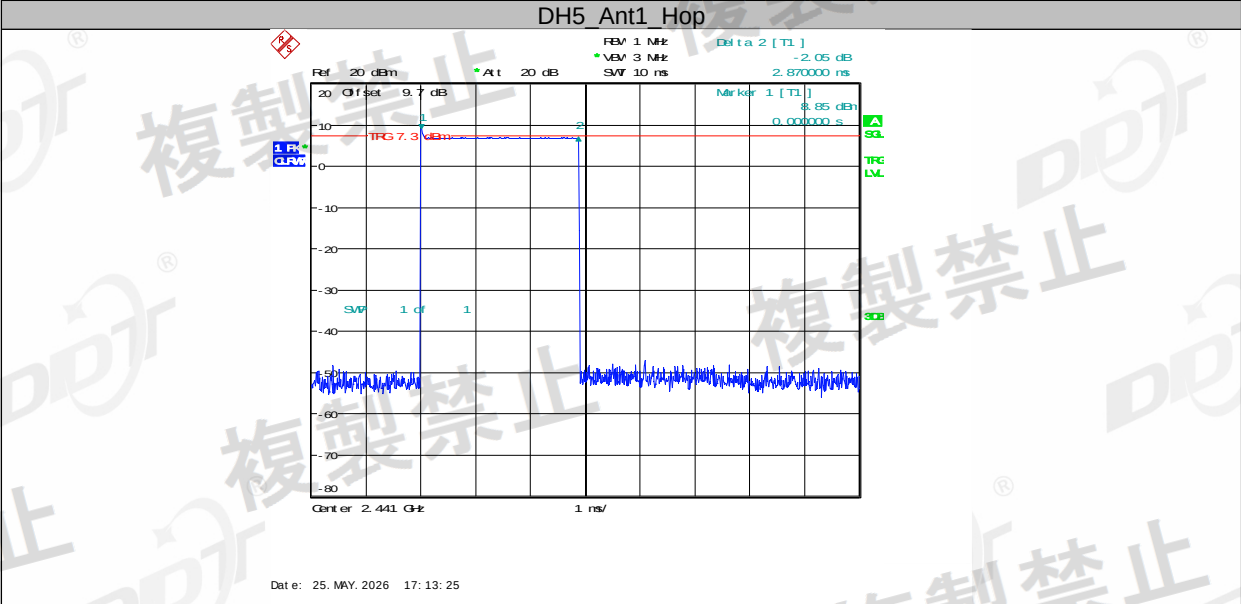
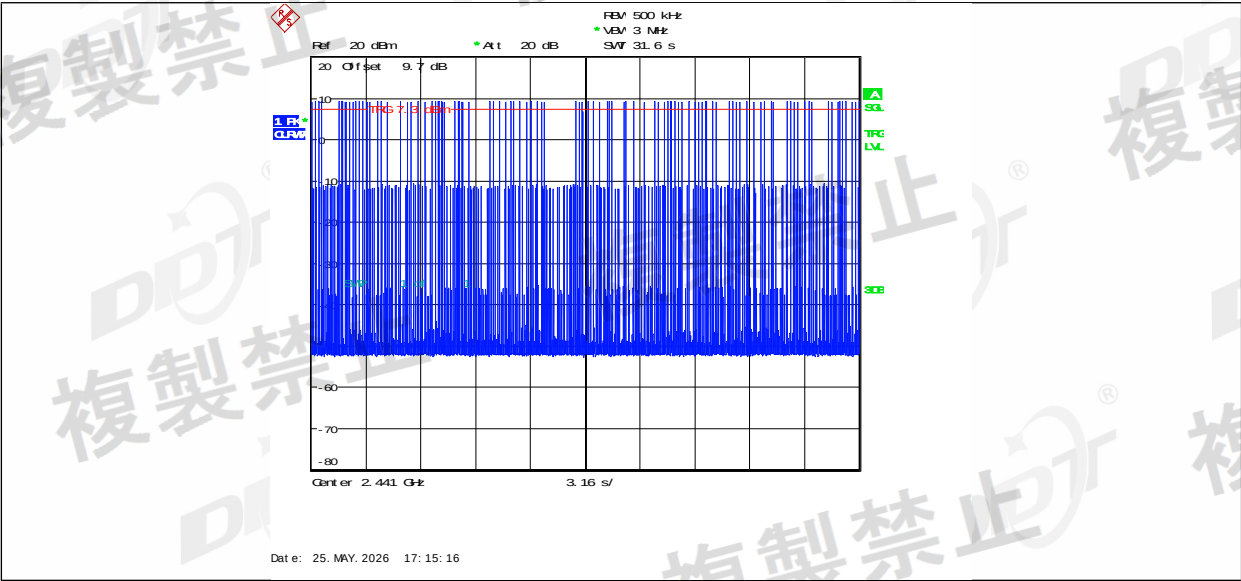
11.4. Test result

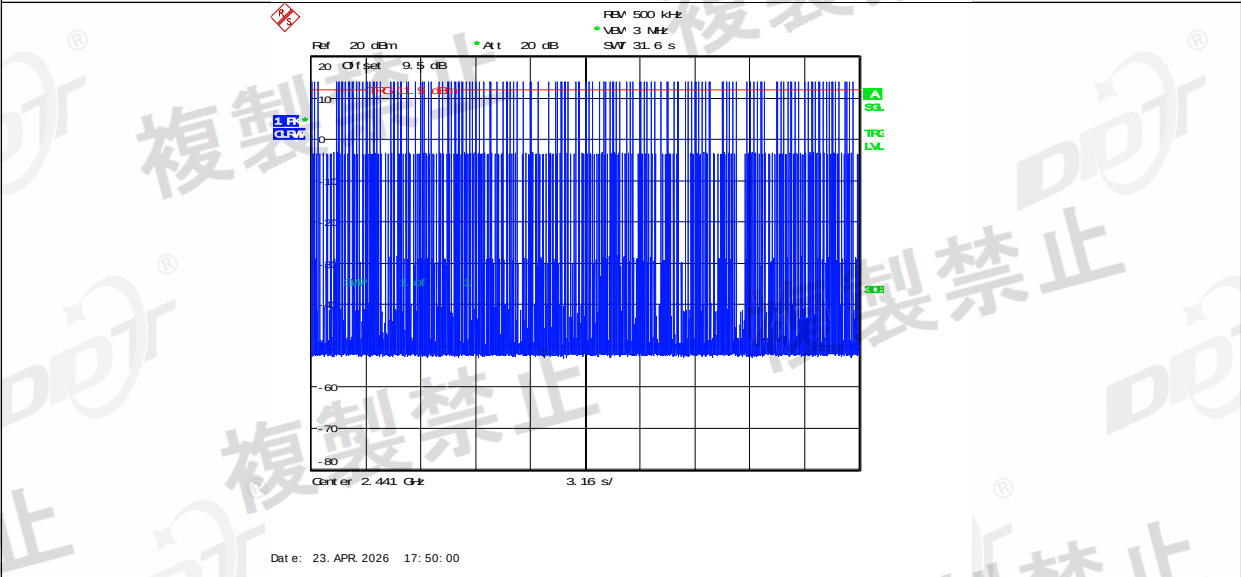
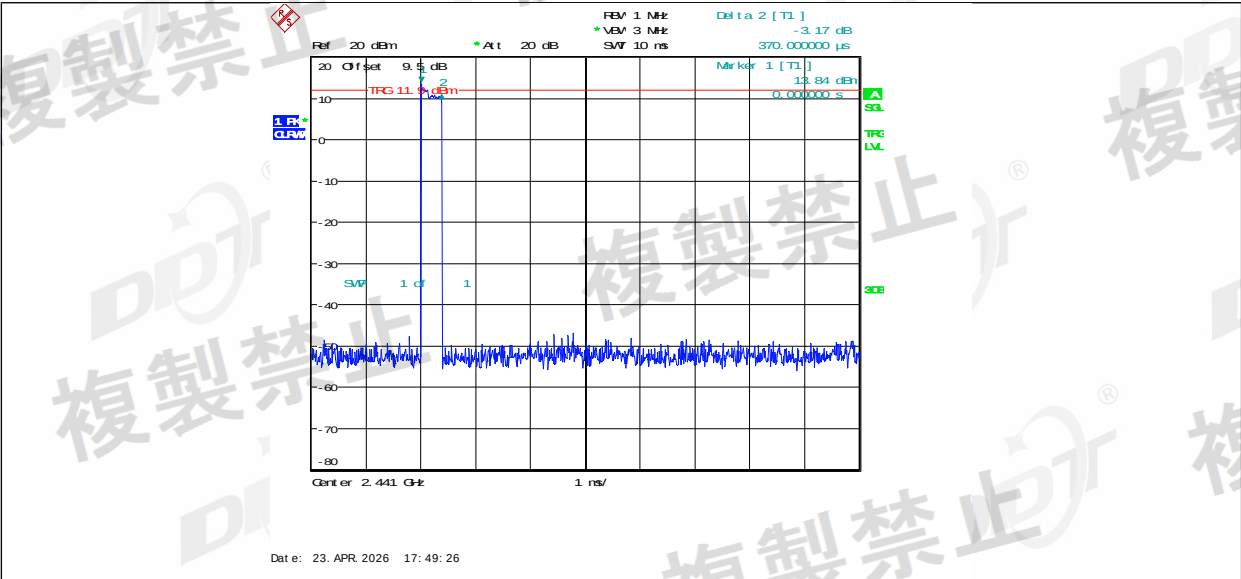
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.8-29.2℃,41.9-43.5%RH	Test Date:	2026.05.25-2026.05.27
Test Power Supply:	Battery	Sample Number:	S26032201-040

Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	163	0.059	≤0.4	PASS
DH3	Ant1	Hop	1.620	105	0.17	≤0.4	PASS
DH5	Ant1	Hop	2.870	79	0.227	≤0.4	PASS
2DH1	Ant1	Hop	0.370	161	0.06	≤0.4	PASS
2DH3	Ant1	Hop	1.630	102	0.166	≤0.4	PASS
2DH5	Ant1	Hop	2.880	77	0.222	≤0.4	PASS
3DH1	Ant1	Hop	0.380	158	0.06	≤0.4	PASS
3DH3	Ant1	Hop	1.620	106	0.172	≤0.4	PASS
3DH5	Ant1	Hop	2.880	83	0.239	≤0.4	PASS

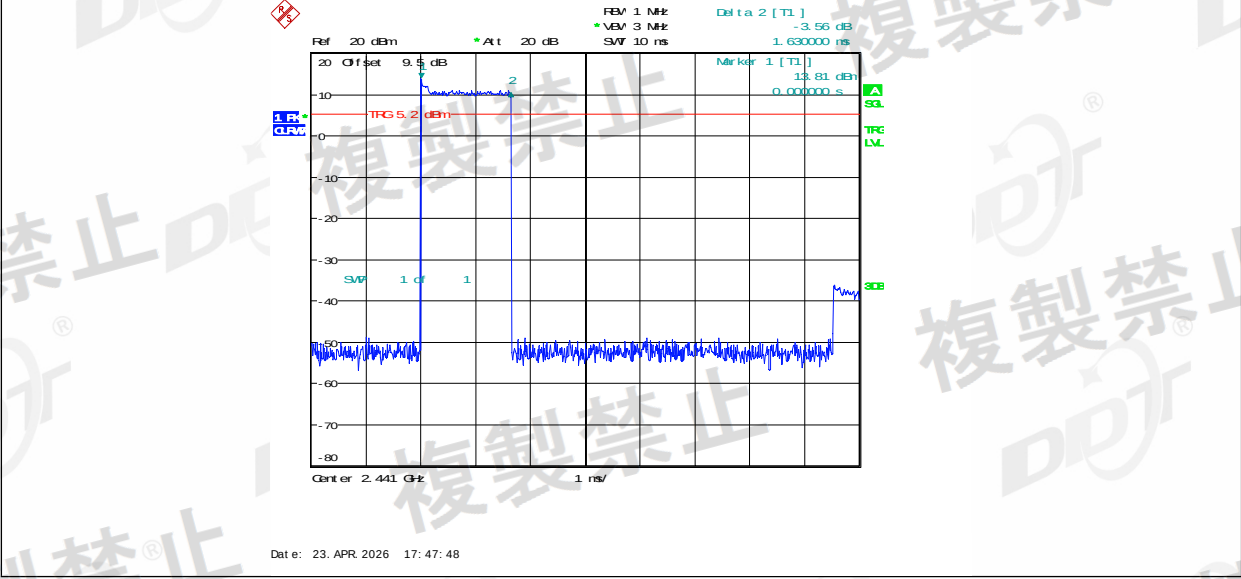
11.5. Test graphs

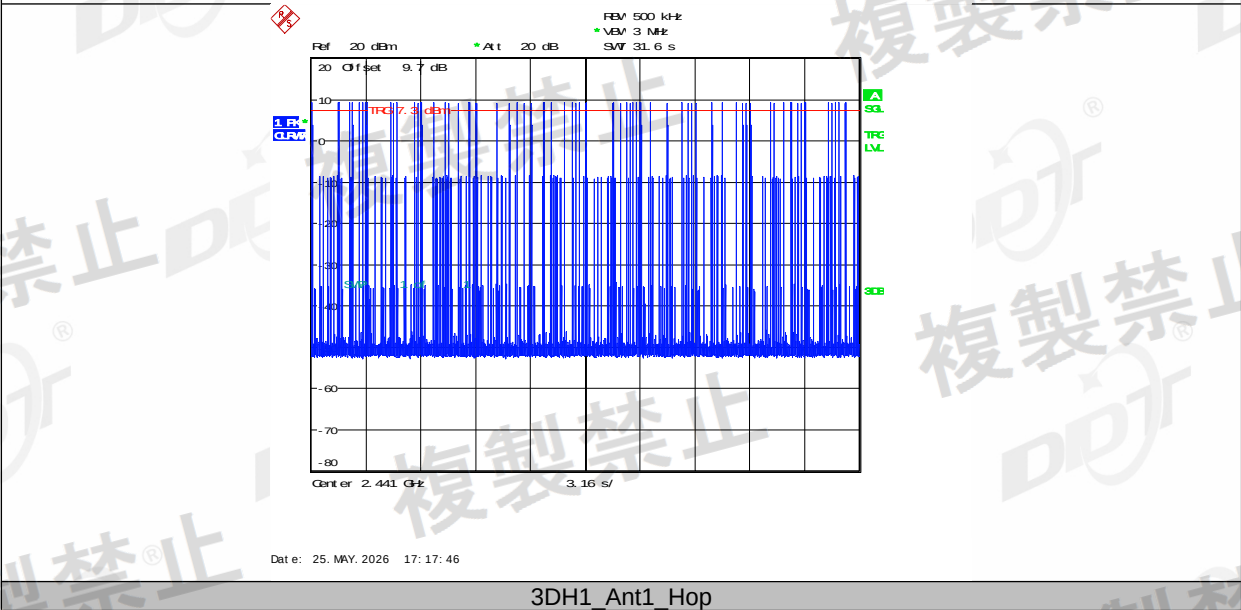
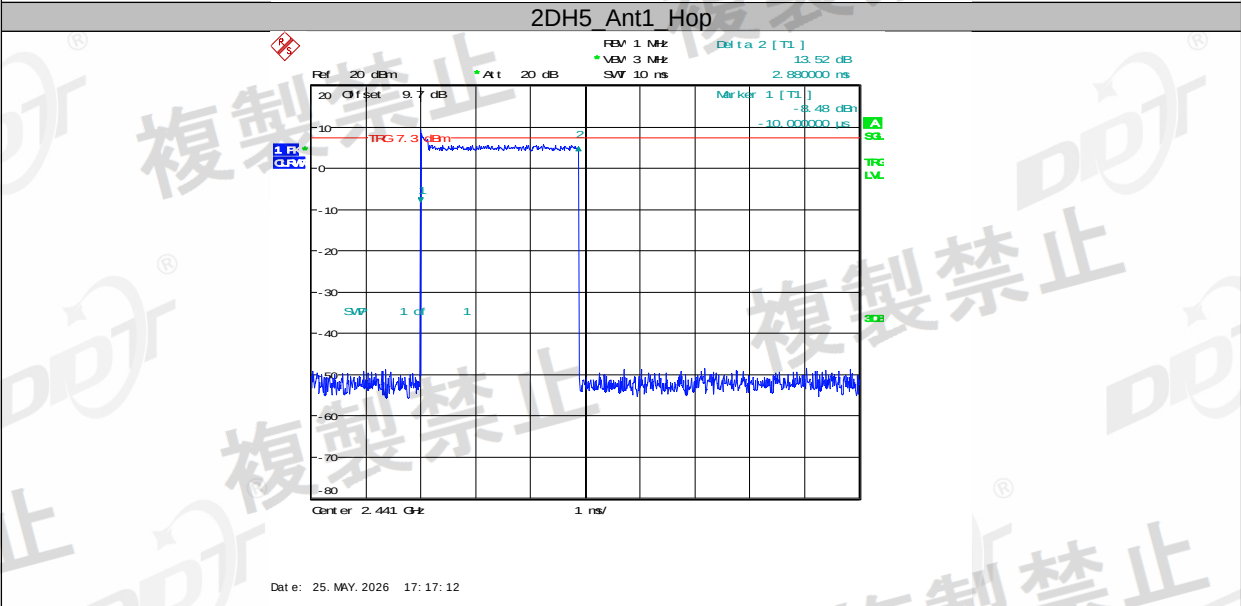
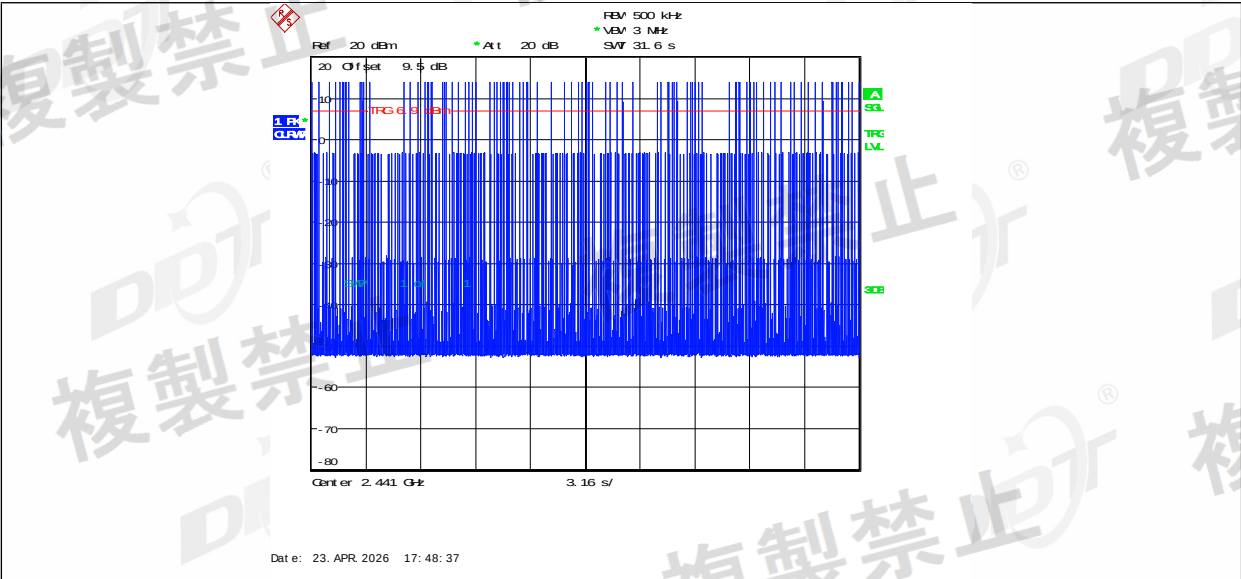


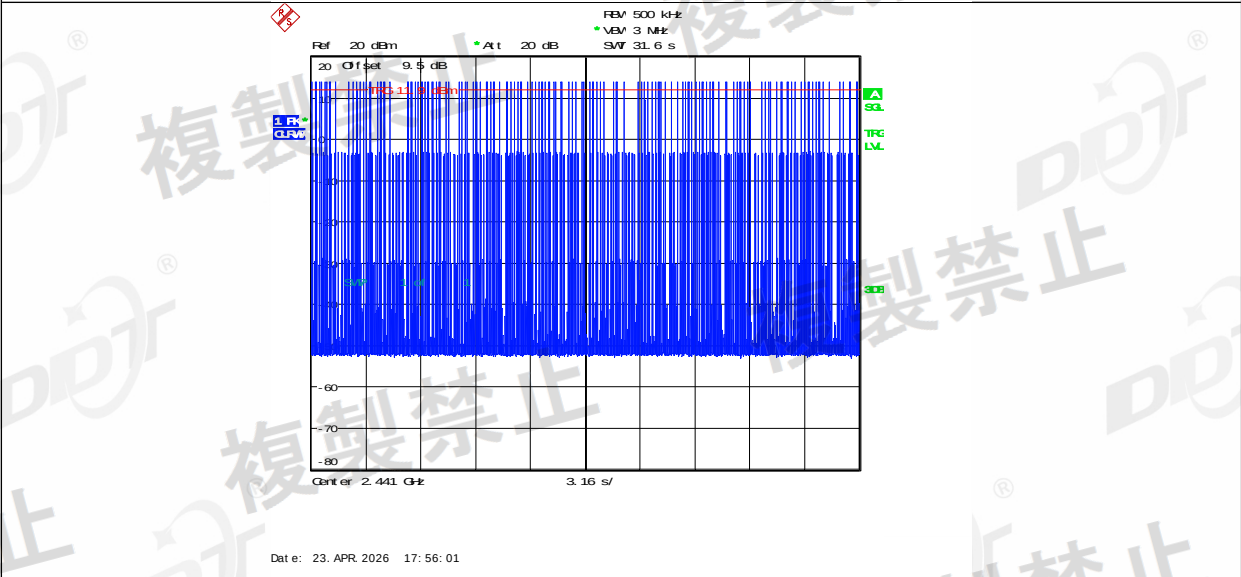
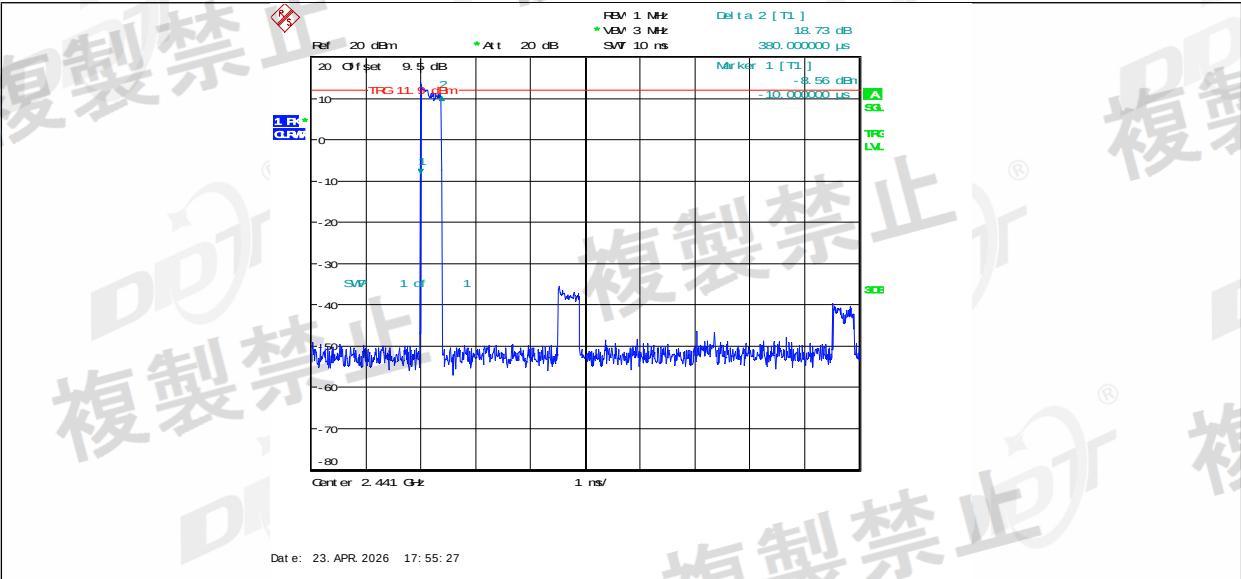




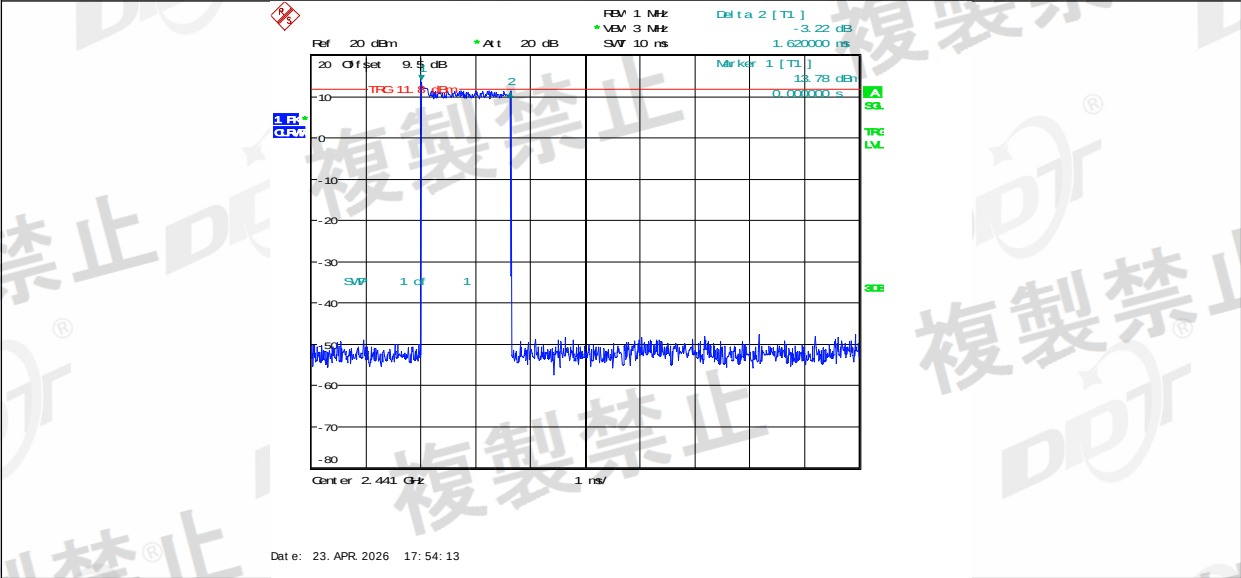
2DH3_Ant1_Hop

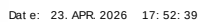
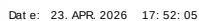
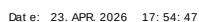






3DH3_Ant1_Hop

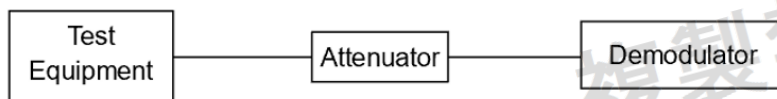




12. Interference Prevention Function

12.1. Measurement system diagram

1) When transmitting identification code



2) Condition of measuring instrument

Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.

3) Condition of test equipment the mode of normal use.

12.2. 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.

12.3. Test result: The unit does meet the requirements.

MAC address:

F0:55:82:00:5C:7E

13. Test Setup Photograph



14. Photos of the EUT

Please refer to DDT-Q26032201-2E appendix I

-----End Report-----