



RADIO TEST REPORT

Applicant	:	Corsair Memory, Inc.
Address of Applicant	:	115 North McCarthy Blvd, Milpitas, CA 95035, USA
Manufacturer	:	Corsair Memory, Inc.
Address of Manufacturer	:	115 North McCarthy Blvd, Milpitas, CA 95035, USA
Equipment under Test	:	Wireless Headset
Model No.	:	RDA0056
Test Standard(s)	:	Item 19 of Article 2 Paragraph 1 MIC Notification 88 ANNEX 43.
Report No.	:	DDT-RE26042802-2E03
Issue Date	:	2026/08/18
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

Table of Contents

1.	Summary of Test Results	6
2.	General Test Information.....	7
2.1.	Description of EUT	7
2.2.	Accessories of EUT	8
2.3.	Block diagram of EUT configuration for test.....	8
2.4.	Decision of final test mode	8
2.5.	Deviations of test standard	8
2.6.	Test environment conditions	9
2.7.	Test laboratory	9
2.8.	Measurement uncertainty	10
3.	Equipment Used During Conductive Test	11
4.	Duty Cycle	12
4.1.	Limit.....	12
4.2.	Block diagram of test setup	12
4.3.	Test procedure	12
4.4.	Test result.....	13
4.5.	Test graphs	14
5.	Antenna Power and Tolerances for Antenna Power	16
5.1.	Limit.....	16
5.2.	Block diagram of test setup	16
5.3.	Test procedure	16
5.4.	Test result.....	17
5.5.	Test graphs	18
6.	Frequency Tolerance	19
6.1.	Limit.....	19
6.2.	Block diagram of test setup	19
6.3.	Test procedure	19
6.4.	Test Result	20
6.5.	Test Graphs.....	21
7.	Occupied Frequency Bandwidth	23
7.1.	Limit.....	23
7.2.	Block diagram of test setup	23
7.3.	Test procedure	23
7.4.	Test result.....	24
7.5.	Test graphs	25
8.	Spread Bandwidth	27

8.1.	Limit.....	27
8.2.	Block diagram of test setup.....	27
8.3.	Test procedure	27
8.4.	Test result.....	28
8.5.	Test graphs	29
9.	Transmitter Spurious Emissions (Conducted).....	30
9.1.	Limit.....	30
9.2.	Block diagram of test setup.....	30
9.3.	Test procedure	30
9.4.	Test result.....	31
9.5.	Test graphs	32
10.	Secondary Radiated Emissions	37
10.1.	Limit.....	37
10.2.	Block diagram of test setup.....	37
10.3.	Test procedure	37
10.4.	Test result.....	38
10.5.	Test graphs	39
11.	Dwell Time.....	42
11.1.	Limit.....	42
11.2.	Block diagram of test setup.....	42
11.3.	Test procedure	42
11.4.	Test result.....	42
11.5.	Test graphs	43
12.	Interference Prevention Function	44
12.1.	Measurement system diagram.....	44
12.2.	Measuring operation procedure	44
12.3.	Test result: The unit does meet the requirements.....	44
13.	Test Setup Photograph	45
14.	Photos of the EUT.....	46

Test Report Declare

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Equipment under Test	:	Wireless Headset
Model No.	:	RDA0056
Manufacturer	:	Corsair Memory, Inc.
Address of Manufacturer	:	115 North McCarthy Blvd, Milpitas, CA 95035, USA

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-RE26042802-2E03		
Date of Receipt:	2026/07/08	Date of Test:	2026/07/08 - 2026/07/27

Created: Zoe Peng	Reviewed: Chen Ziqin	Approved: Ella Gong
		
2026/07/27	2026/08/18	2026/08/18

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	2026/08/18	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	Pass
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	Pass
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	: Wireless Headset
Model Number	: RDA0056
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 5V from external USB host unit DC 3.7V Rechargeable Li-ion built-in battery
Hardware Version	: GW186 Headset Main PCB_V3
Software Version	: v0.17.414
Antenna Type	: FPC Antenna
Max Antenna Gain(dBi)	: 4.46

Radio Specification	: 2.4G SRD
Operation Frequency	: 2404 MHz to 2478 MHz
Modulation	: GFSK

2.4G SRD Channel information

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
-	-	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	-	-
12	2426	26	2454		
13	2428	27	2456		

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
USB cable	Corsair	N/A	Length: 1.9m, unshielded
Dongle	Corsair	RDA0057	N/A

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

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

Test software: AB157x_Airoha_Tool_Kit(ATK)_v5.4.0.3.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	Default	CH1 to CH38	2404 to 2478
GFSK hopping off Tx mode	Default	CH1	2404
	Default	CH19	2440
	Default	CH38	2478
Rx mode	/	CH1	2404
	/	CH19	2440
	/	CH38	2478

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 3.7V (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 3.7V $\pm 10\%$.	
Input voltage	RF module voltage
DC 3.33V	DC 3.30V
DC 3.7V	DC 3.30V
DC 4.07V	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

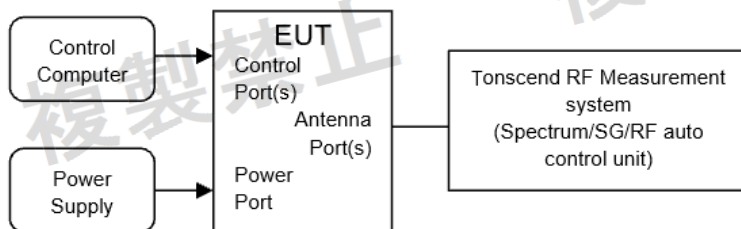
Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒ RF Connected Test (RF Measurement System 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2027/02/27
Wideband Radio Communication Tester	R&S	CMW500	117491	2027/02/27
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2027/02/27
MXG Vector Signal Generator	Agilent	N5182A	MY47420658	2027/02/27
RF Control Unit	Tonscend	JS0806-2	158060010	2027/02/27
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2027/02/27
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:

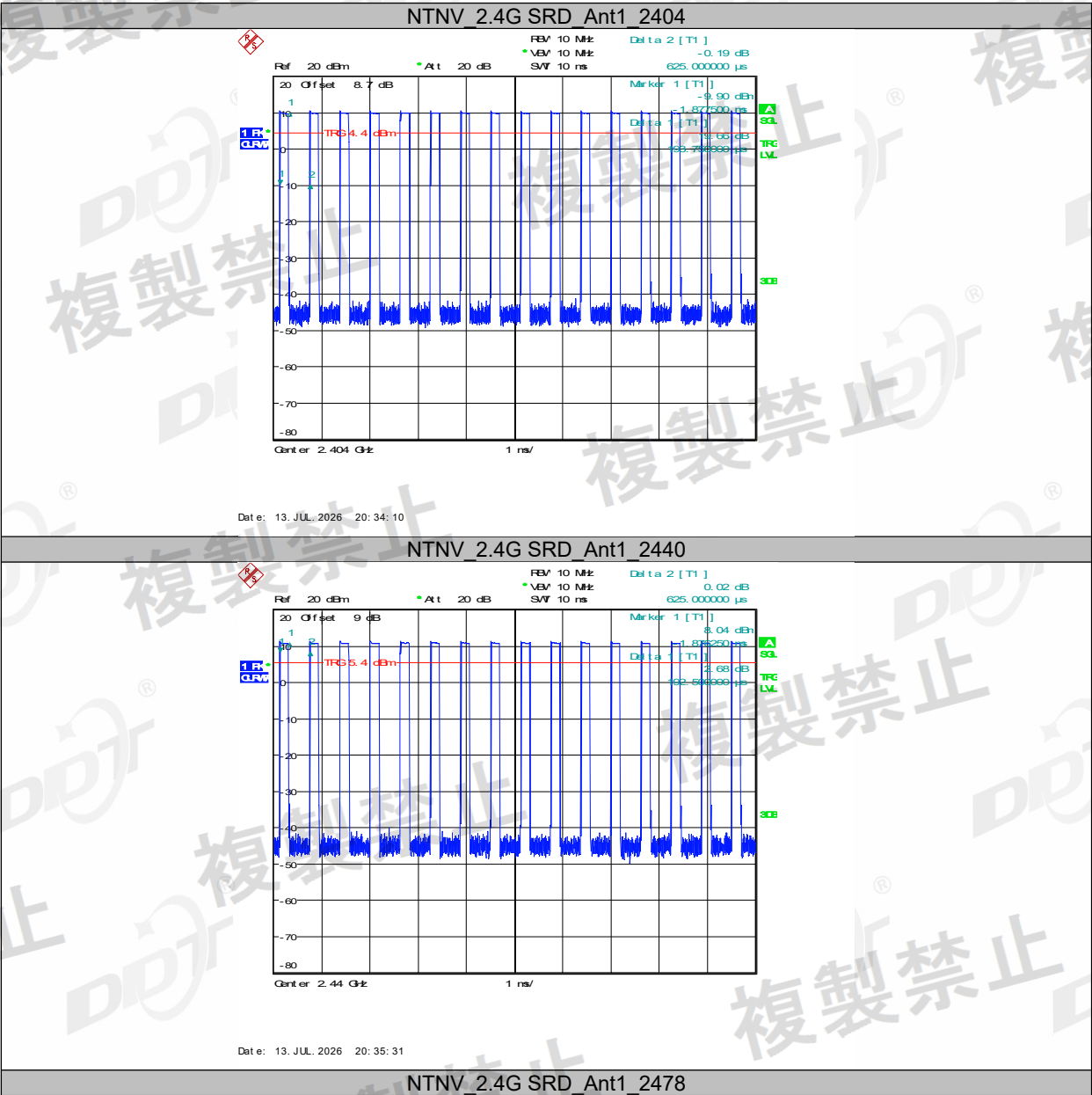
Duty cycle= Pulse's on time / Burst cycle

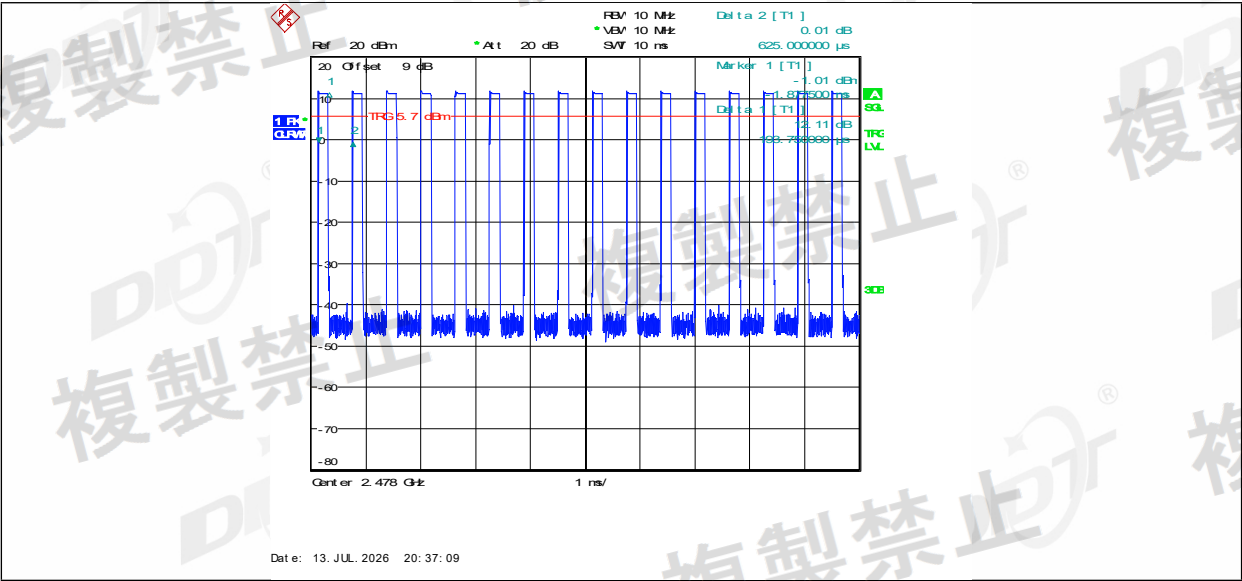
4.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

TestMode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
2.4G SRD	Ant1	2404	0.19	0.63	30.16
		2440	0.19	0.63	30.16
		2478	0.19	0.63	30.16

4.5. Test graphs



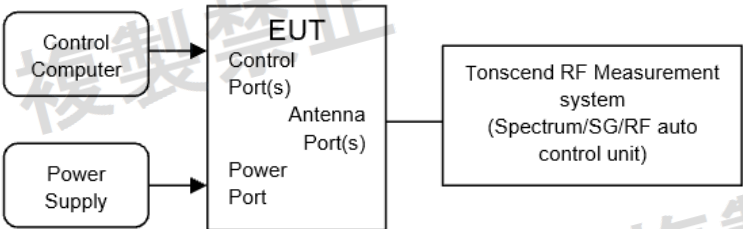


5. Antenna Power and Tolerances for Antenna Power

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

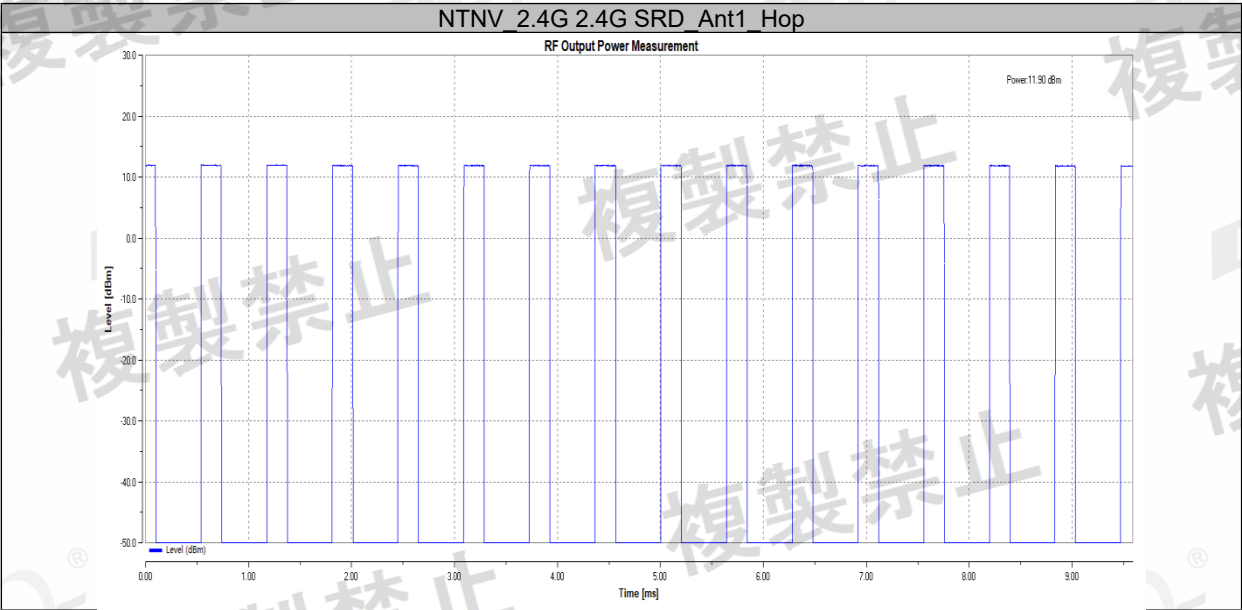
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

Antenna Power							
Mode	Ant	Measured		Burst Ratio	Spread Bandwidth	Result	Limit
		dBm	mW		MHz	(mW/MHz)	(mW/MHz)
GFSK Tx mode Hopping	Ant1	11.90	15.49	0.30	68.200	0.757	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	1.50	0.757	-49.53	≤ + 20%
Tolerances for Antenna Power Limit: ≤ + 20%					
Verdict: Pass					

EIRP							
Mode	Ant	Measured	EIRP		Result		Limit
		dBm	dBm	mW	mW/MHz	dBm/MHz	dBm/MHz
GFSK hopping on Tx mode	Ant1	11.90	16.36	43.25	2.11	3.24	6.91
Verdict: Pass							

5.5. Test graphs

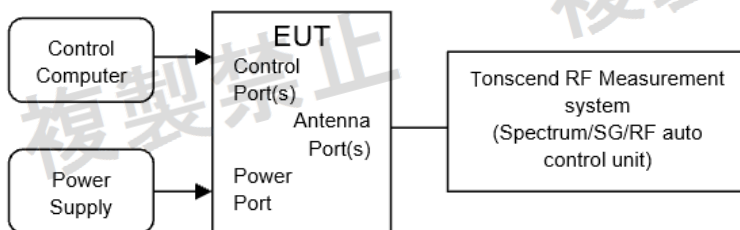


6. Frequency Tolerance

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.

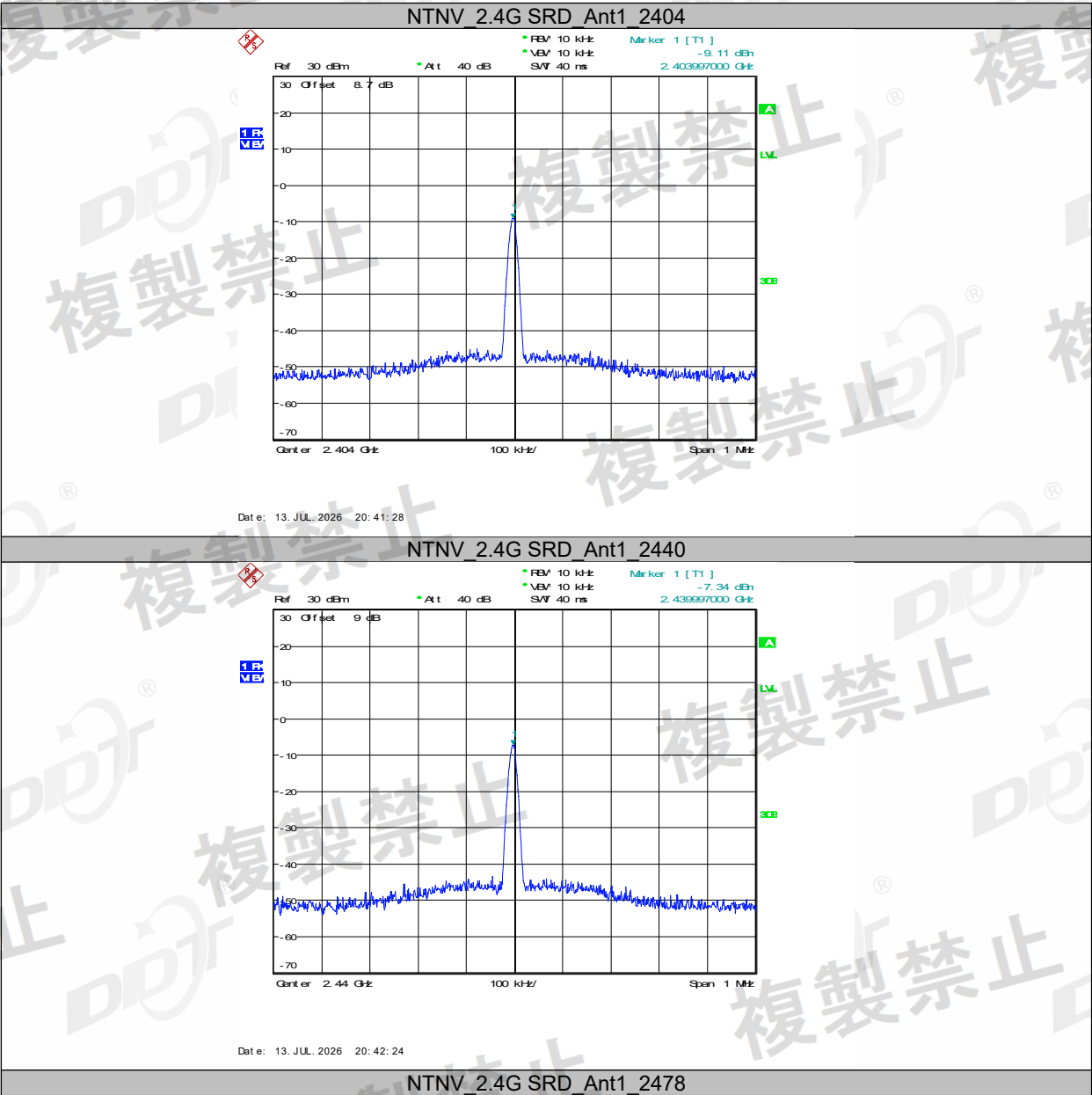
- (2) When the trace is complete, find the peak value of the power envelope and record the frequency.

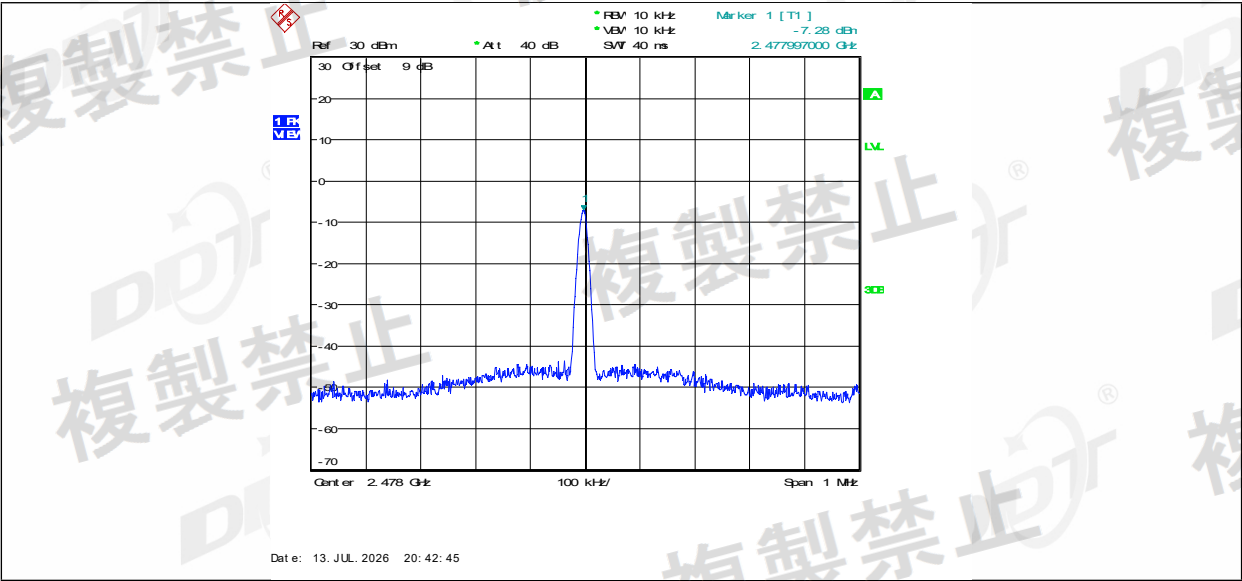
6.4. Test Result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

Test Condition	Test Mode	Antenna	Freq(MHz)	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	2.4G SRD	Ant1	2404	2403.997	-1.24792	±50	PASS
			2440	2439.997	-1.22951	±50	PASS
			2478	2477.997	-1.21065	±50	PASS

6.5. Test Graphs



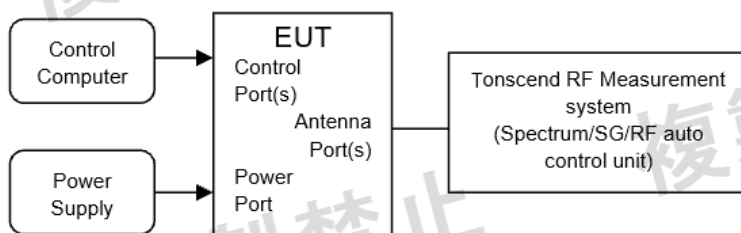


7. Occupied Frequency Bandwidth

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:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G SRD	Ant1	2404	2.160	≤83.5	PASS
			2440	2.160	≤83.5	PASS
			2478	2.163	≤83.5	PASS

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G SRD	Ant1	Hop	75.000	≤83.5	PASS

NTNV 2.4G SRD Ant1 2404

Ref 30 dBm

Alt 40 dB

Marker 1 [T1] 9.94 dBm

2.404477000 GHz

OBW Temp 2.160000000 MHz

1 [T1] OBW -3.28 dBm

2.402900000 GHz

Temp 2 [T1] OBW -4.23 dBm

2.405060000 GHz

Center 2.404 GHz

300 kHz

Span 3 MHz

NTNV_2.4G SRD_Ant1_2478

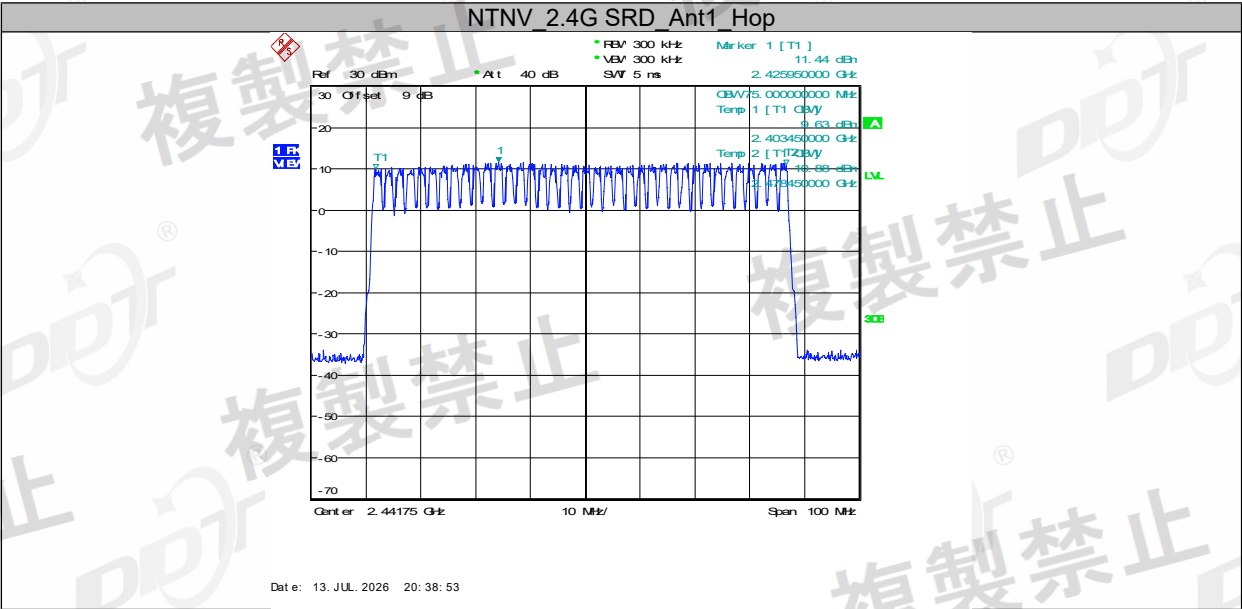
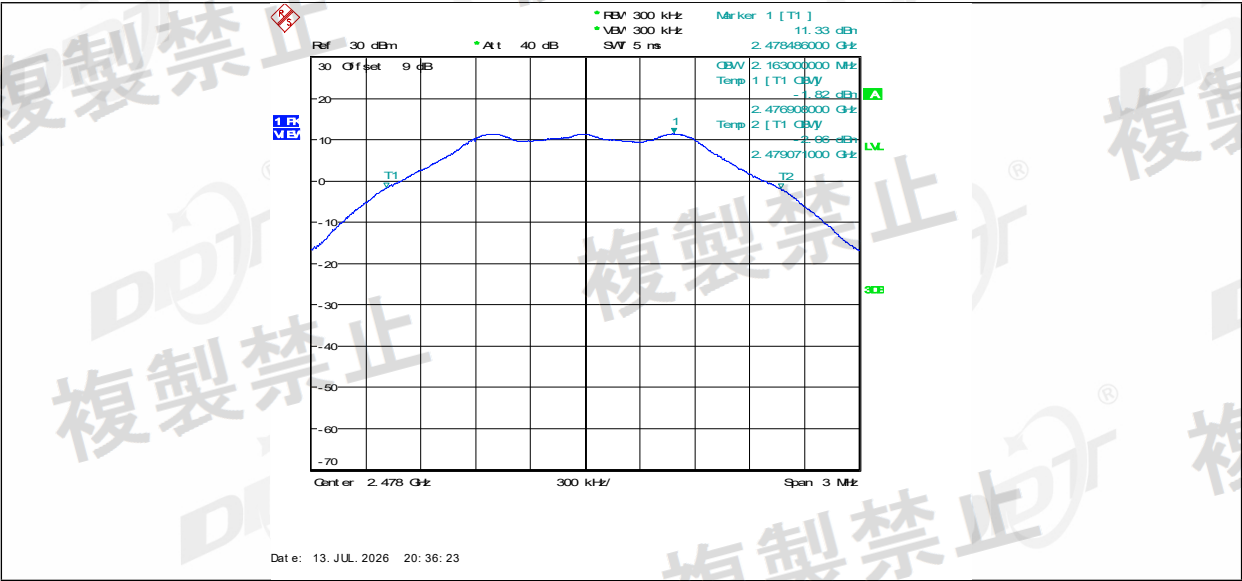
Ref 30 dBm Att 40 dB RBW 300 kHz VBW 300 kHz SRF 5 ns Marker 1 [T1] 10.90 dBm

OBW Temp 2.160000000 GHz -2.25 dBm
Temp 2.438000000 GHz -2.25 dBm
Temp 2.441000000 GHz -2.25 dBm

Center 2.44 GHz Span 3 MHz

Date: 13. JUL. 2026 20:34:43

NTNV_2.4G SRD_Ant1_2478

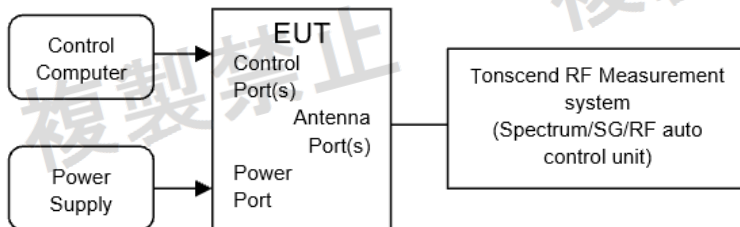


8. Spread Bandwidth

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:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	SpreadFactor	Limit	Verdict
NTNV	2.4G SRD	Ant1	Hop	68.200	≥0.5	68.200	>5	PASS

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

NTNW_2.4G SR Ant1 Hop

Ref 30 dBm Att 40 dB S/V 5 ns

Marker 1 [T1] 2.425560000 GHz 11.73 dBm

OBW 8.200000000 MHz
Temp 1 [T1] 0.000 dBm
2.407450000 GHz
2 [T2] 0.000 dBm
2.475450000 GHz

Center 2.44175 GHz Span 100 MHz

Date: 13 JUL 2026 20:38:06

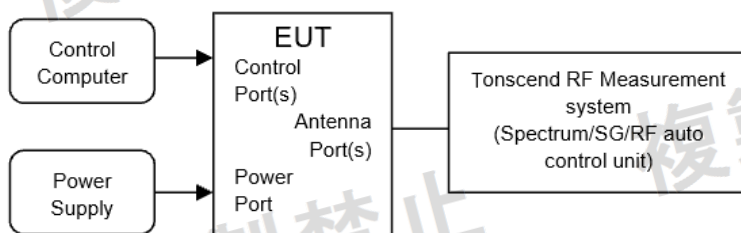
9. Transmitter Spurious Emissions (Conducted)

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 = $10 \times \log (\text{Reference Bandwidth} / \text{RBW of measurement}) = 15.2[\text{dB}]$
Where: Reference Bandwidth = 1 MHz
RBW of measurement = 30 kHz

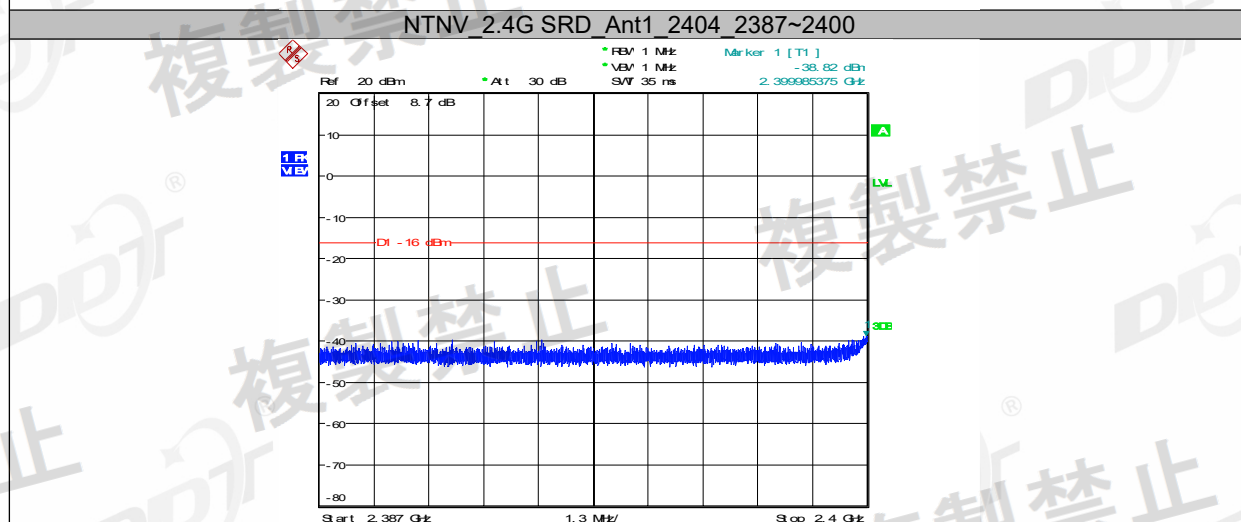
9.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

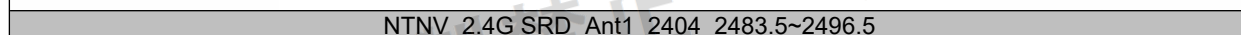
Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	2.4G SRD	Ant1	2404	30~2387	-46.69	≤-26	0.02143	≤2.5	PASS
				2387~2400	-38.82	≤-16	0.13122	≤25	PASS
				2483.5~2496.5	-38.87	≤-16	0.12972	≤25	PASS
				2496.5~13000	-40.11	≤-26	0.09750	≤2.5	PASS
			2440	30~2387	-46.80	≤-26	0.02089	≤2.5	PASS
				2387~2400	-40.00	≤-16	0.10000	≤25	PASS
				2483.5~2496.5	-38.48	≤-16	0.14191	≤25	PASS
				2496.5~13000	-44.57	≤-26	0.03491	≤2.5	PASS
			2478	30~2387	-47.28	≤-26	0.01871	≤2.5	PASS
				2387~2400	-39.87	≤-16	0.10304	≤25	PASS
				2483.5~2496.5	-38.59	≤-16	0.13836	≤25	PASS
				2496.5~13000	-43.46	≤-26	0.04508	≤2.5	PASS

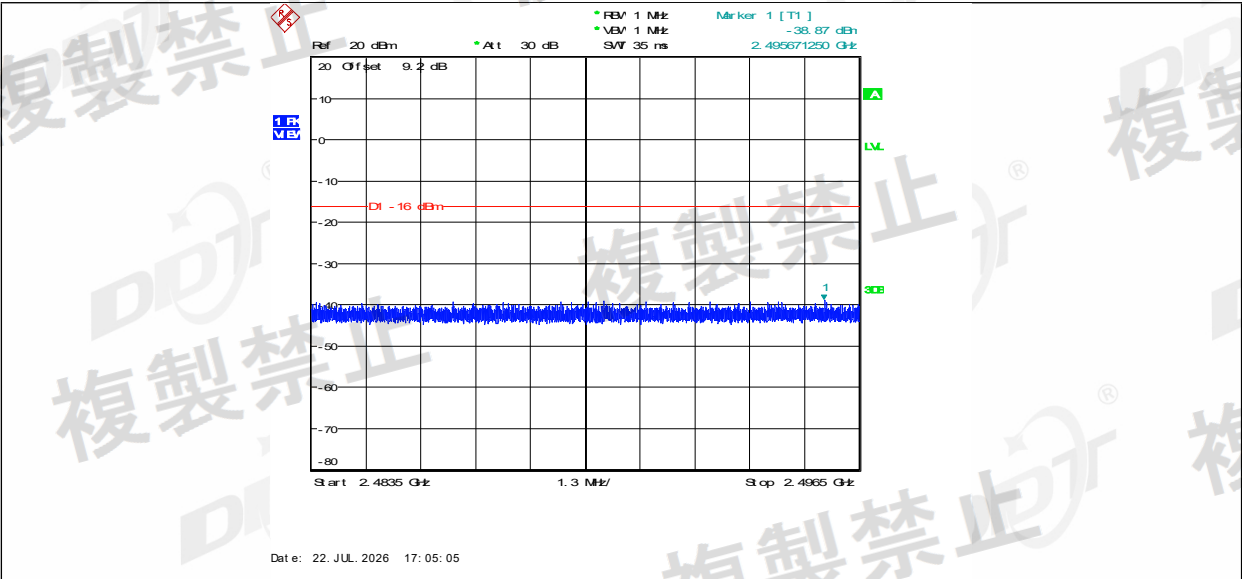
The spectrum analyzer displays a wideband signal from 30 MHz to 2387 GHz. The vertical axis represents power density in dBm, ranging from -90 to 10. A red horizontal line indicates a reference level at -26 dBm. The blue trace shows a noisy signal centered around -56 dBm. Key parameters include a resolution bandwidth (RBW) of 1 MHz, video bandwidth (VBW) of 1 MHz, and a sweep time (SWT) of 35 ns. A marker is set at 89.514250000 MHz.

Date: 22. JUL. 2026 17:04:53

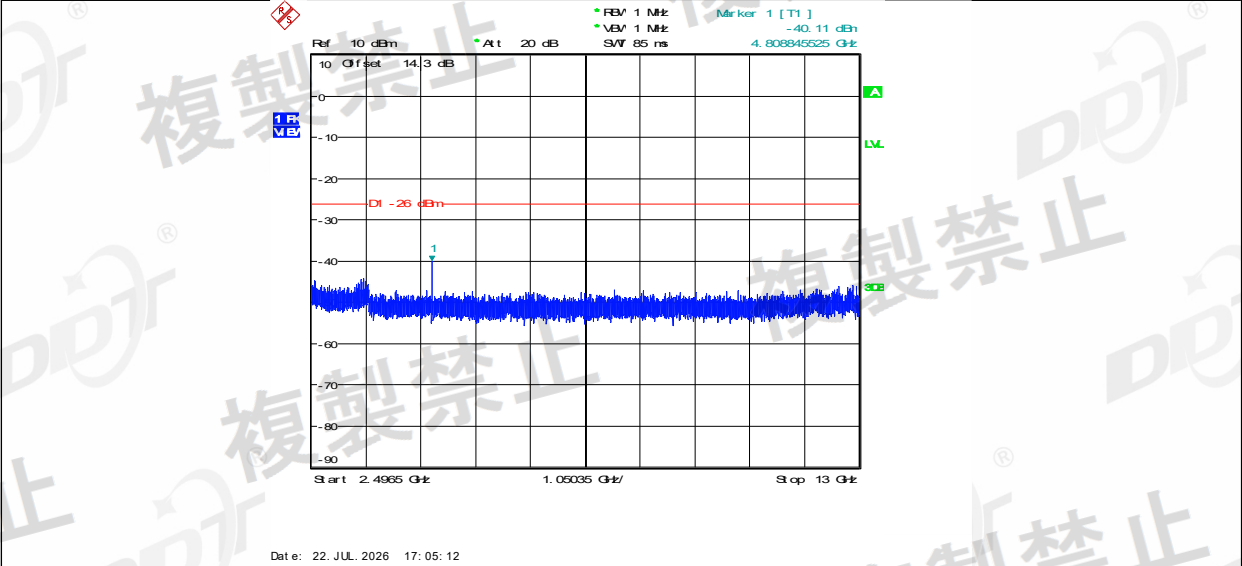


Date: 22 JUL 2026 17:04:59

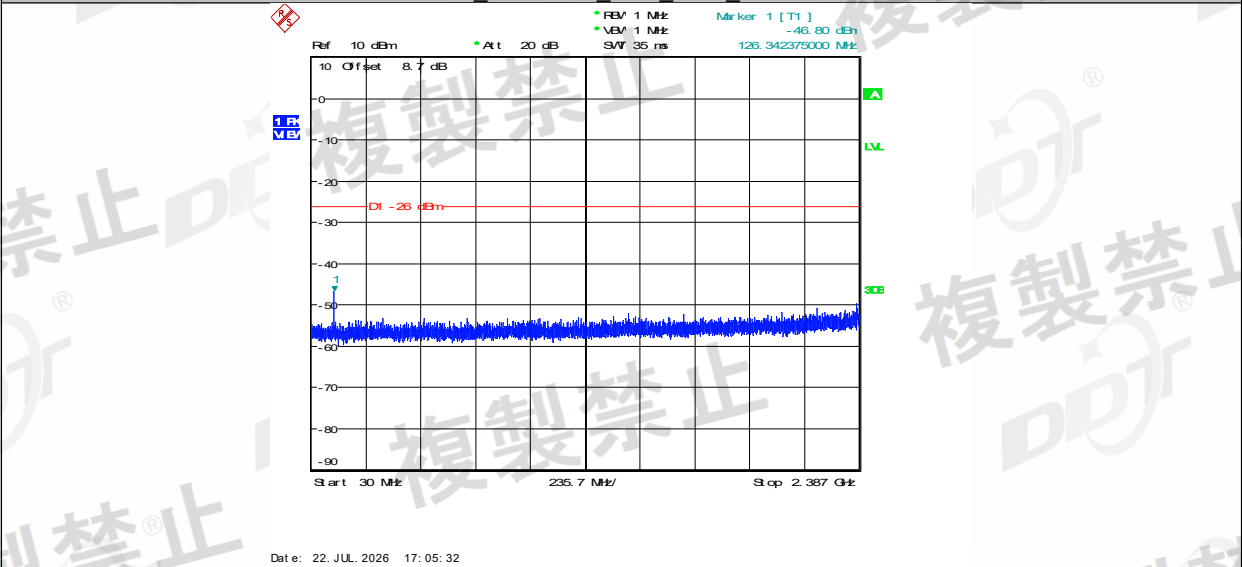




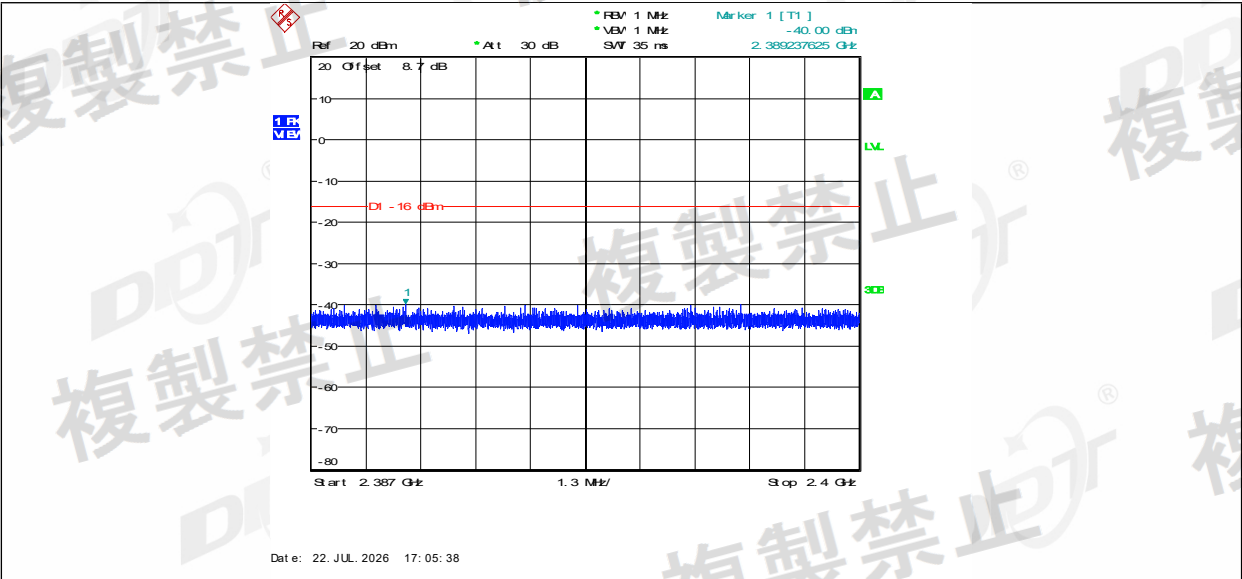
NTNV 2.4G SRD Ant1 2404 2496.5~13000



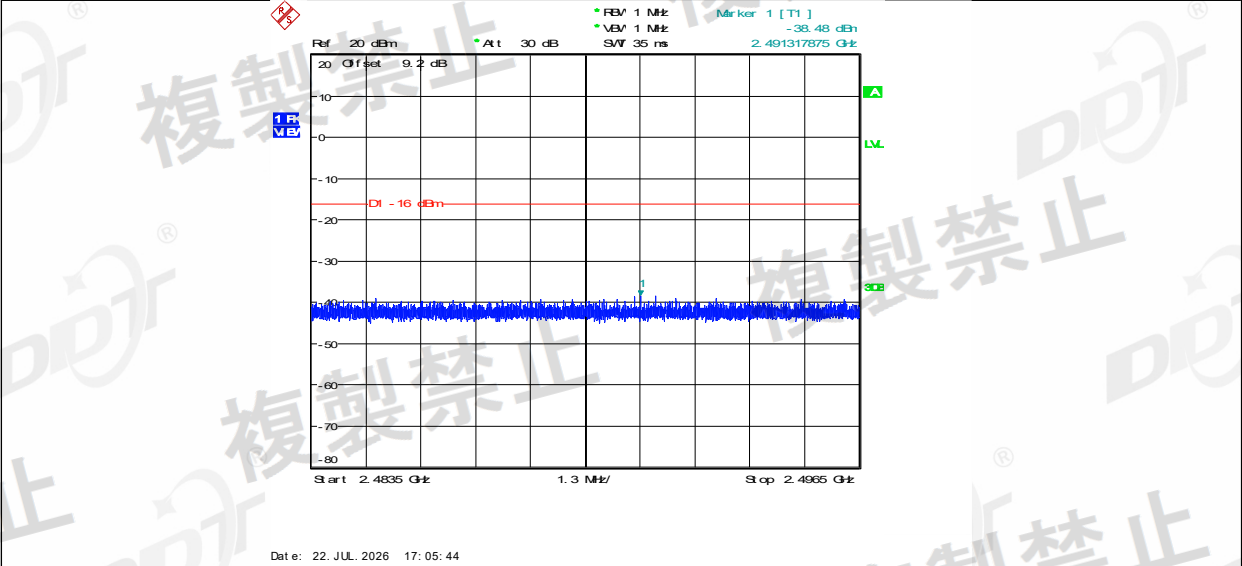
NTNV 2.4G SRD Ant1 2440 30~2387



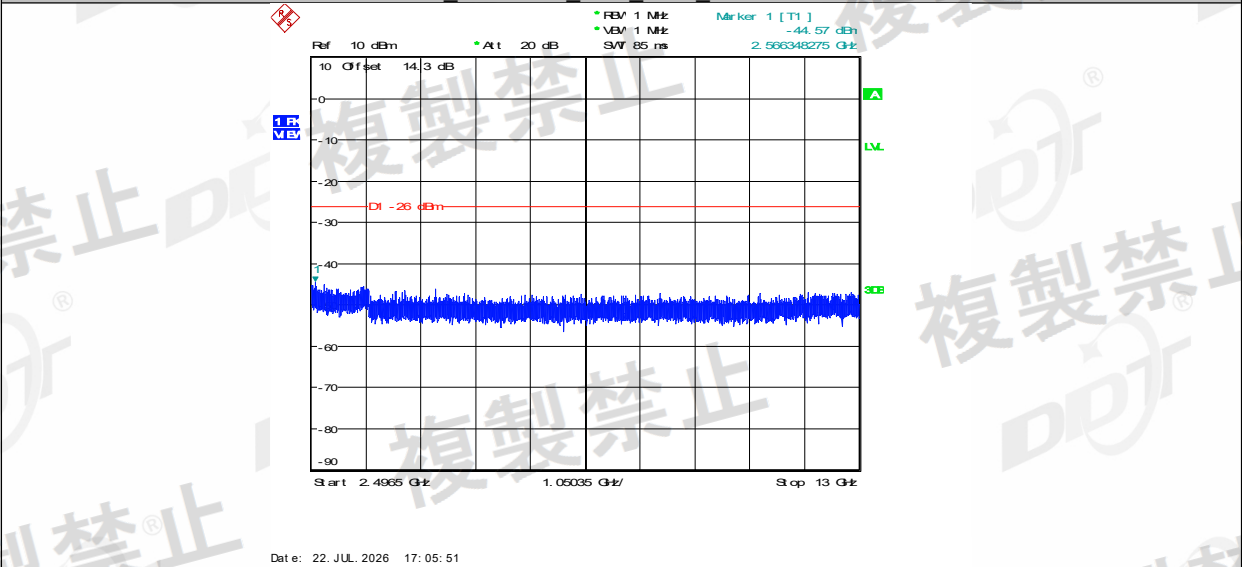
NTNV 2.4G SRD Ant1 2440 2387~2400



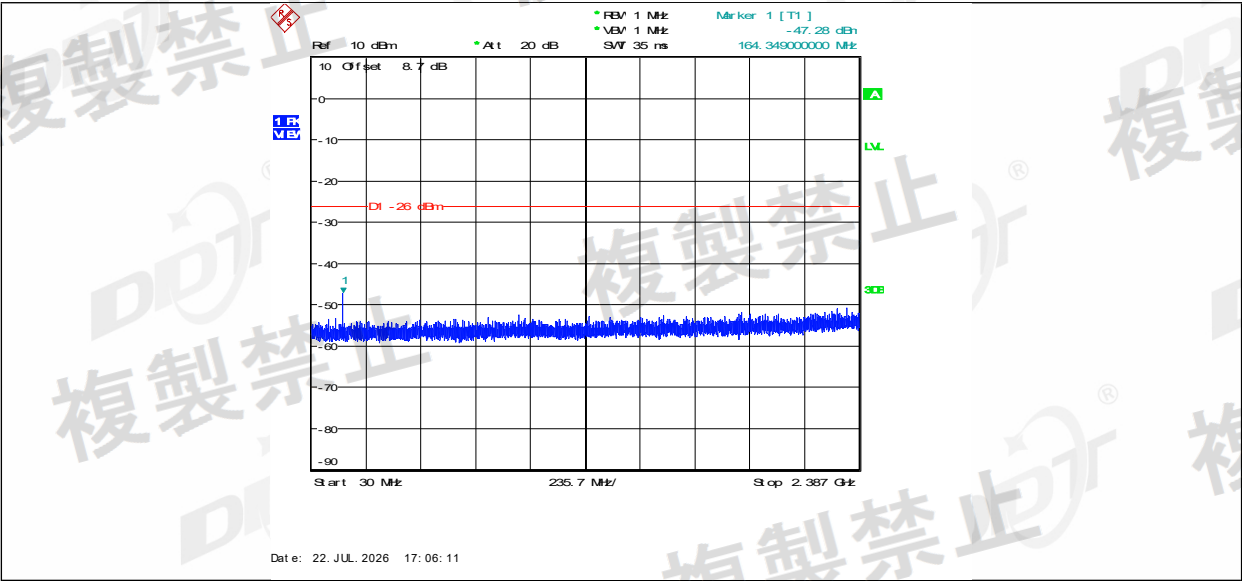
NTNV 2.4G SRD Ant1 2440 2483.5~2496.5



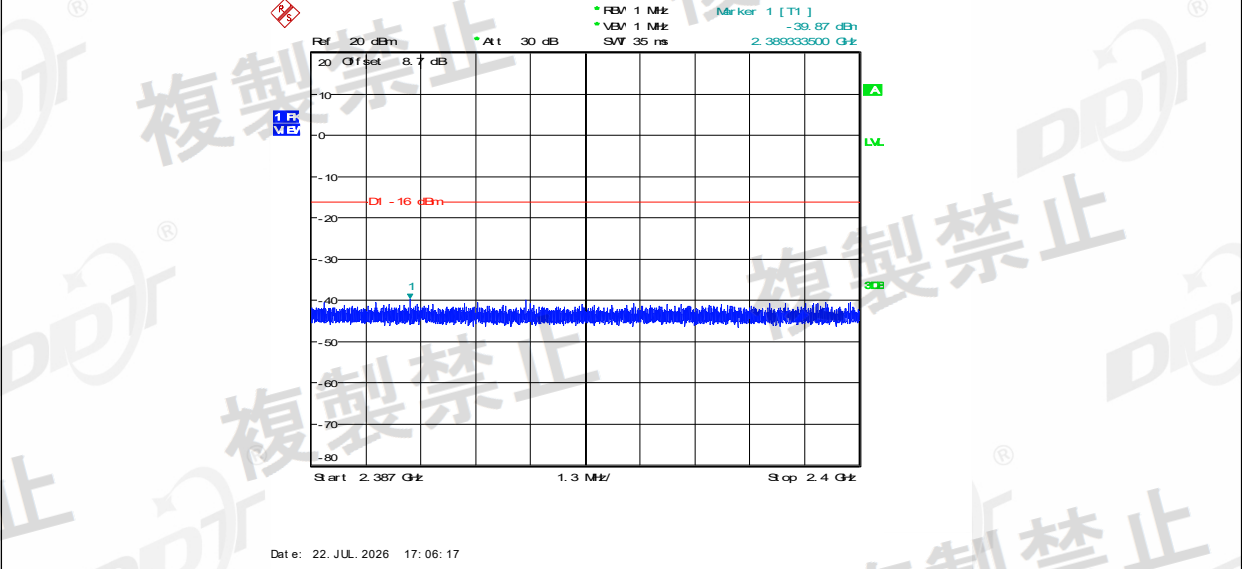
NTNV 2.4G SRD Ant1 2440 2496.5~13000



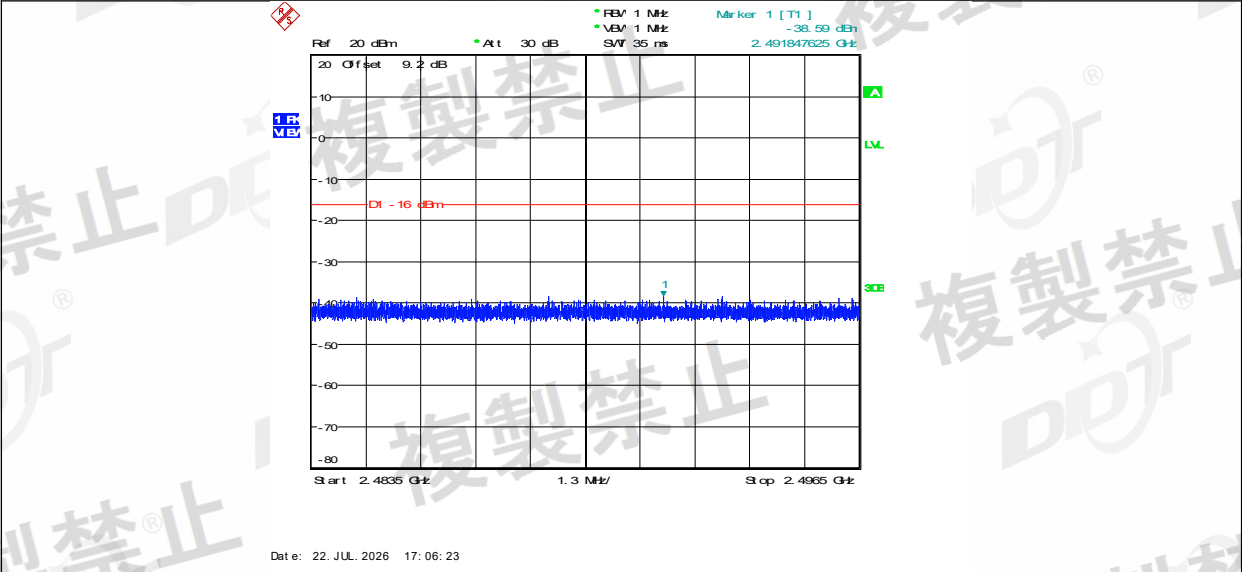
NTNV 2.4G SRD Ant1 2478 30~2387



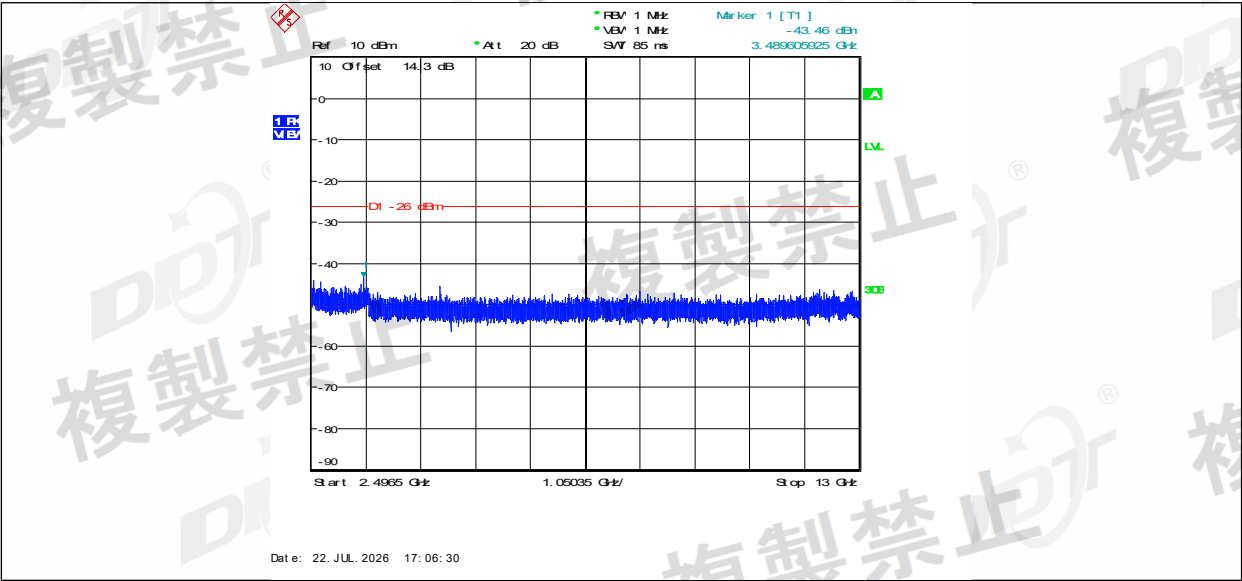
NTNV 2.4G SRD Ant1 2478 2387~2400



NTNV 2.4G SRD Ant1 2478 2483.5~2496.5



NTNV 2.4G SRD Ant1 2478 2496.5~13000

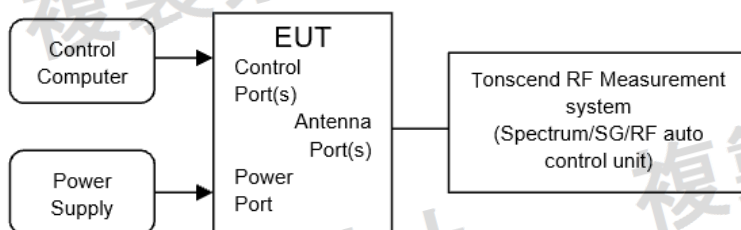


10. Secondary Radiated Emissions

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

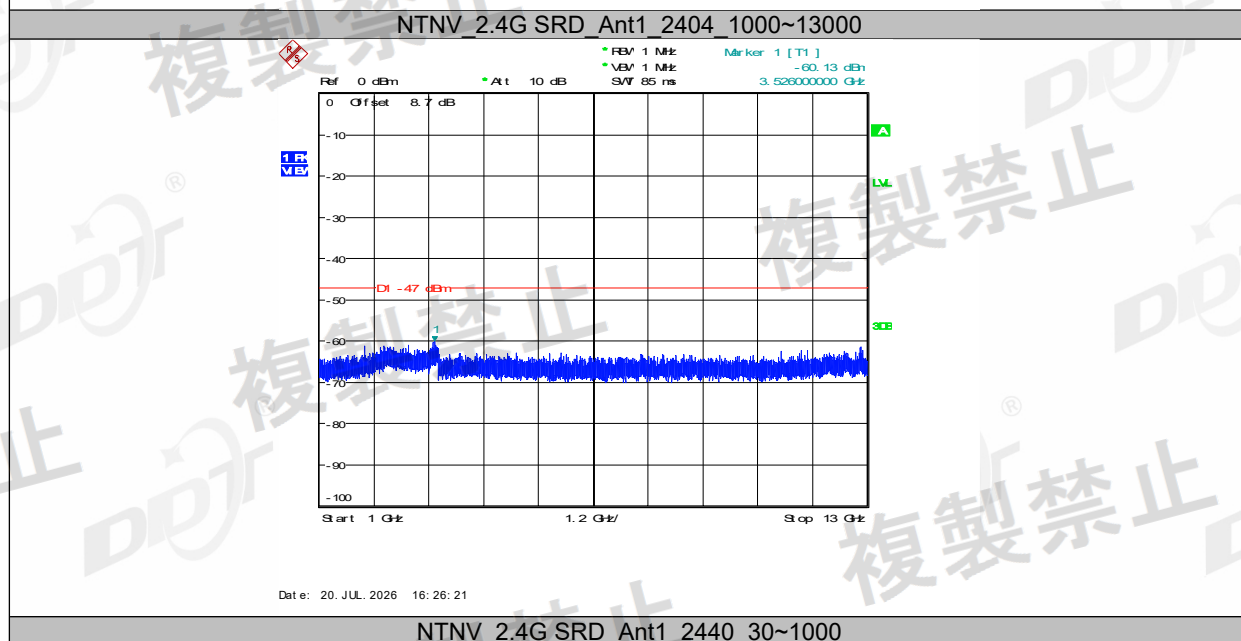
- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
 Resolution BW: 100 kHz for frequency below 1 GHz and 1 MHz for frequency above 1 GHz
 Video BW: 100 kHz for frequency below 1 GHz and 1 MHz for frequency above 1 GHz
 Detector: 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

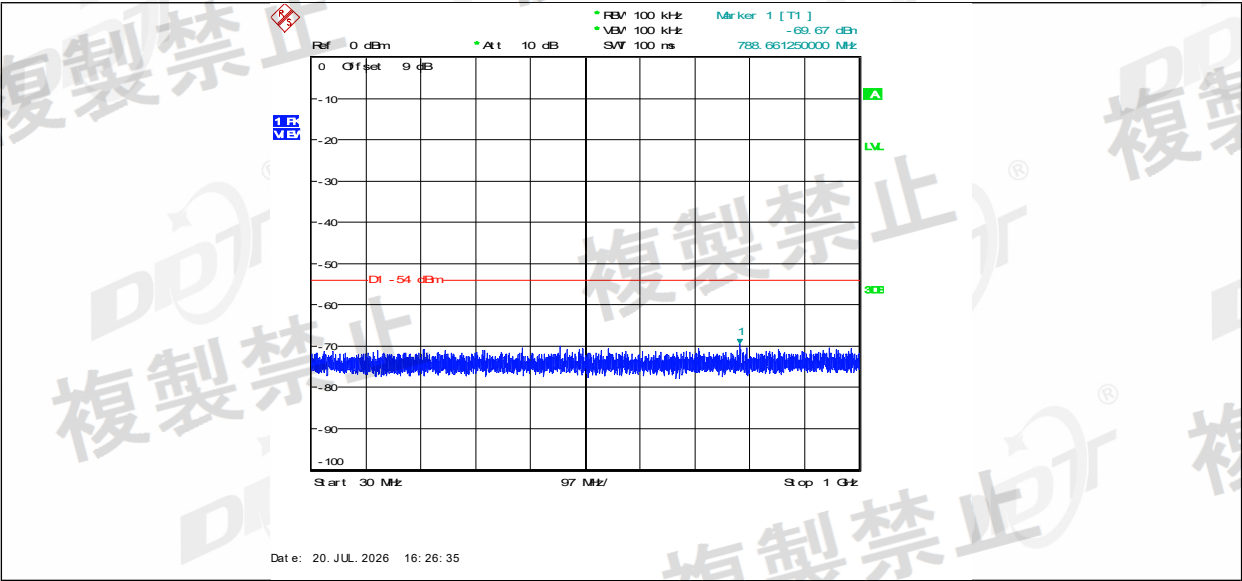
10.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

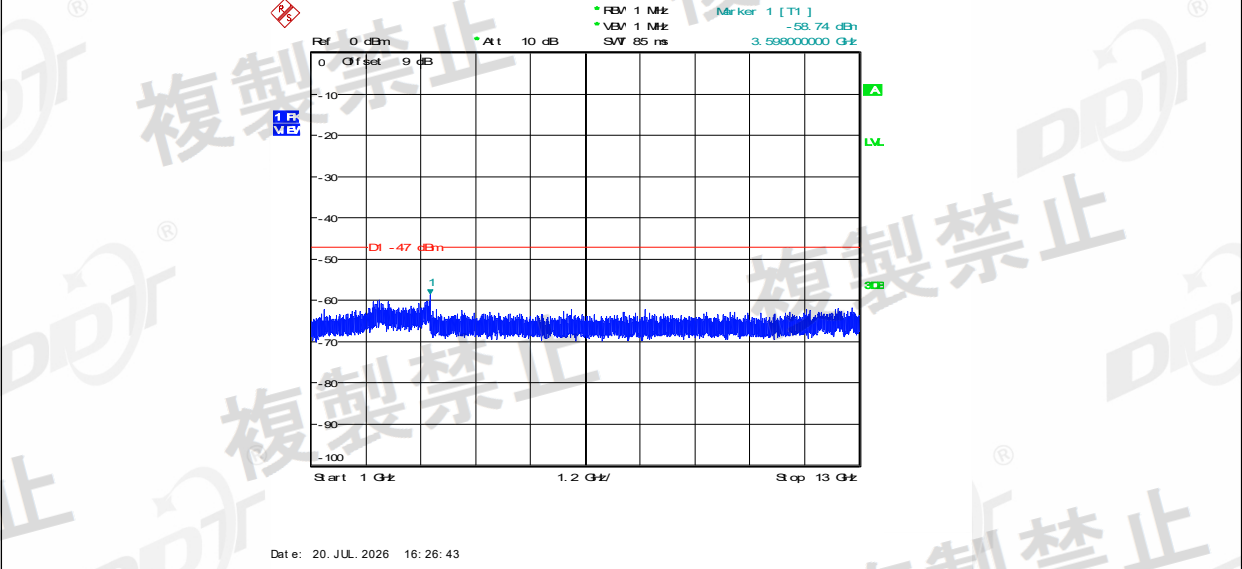
Test Condition	Test Mode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G SRD	Ant1	2404	30~1000	-70.23	≤-54	0.09484	≤4	PASS
				1000~13000	-60.13	≤-47	0.97051	≤20	PASS
			2440	30~1000	-69.67	≤-54	0.10789	≤4	PASS
				1000~13000	-58.74	≤-47	1.33660	≤20	PASS
			2478	30~1000	-70.33	≤-54	0.09268	≤4	PASS
				1000~13000	-60.31	≤-47	0.93111	≤20	PASS

Date: 20. JUL. 2026 16:26:12

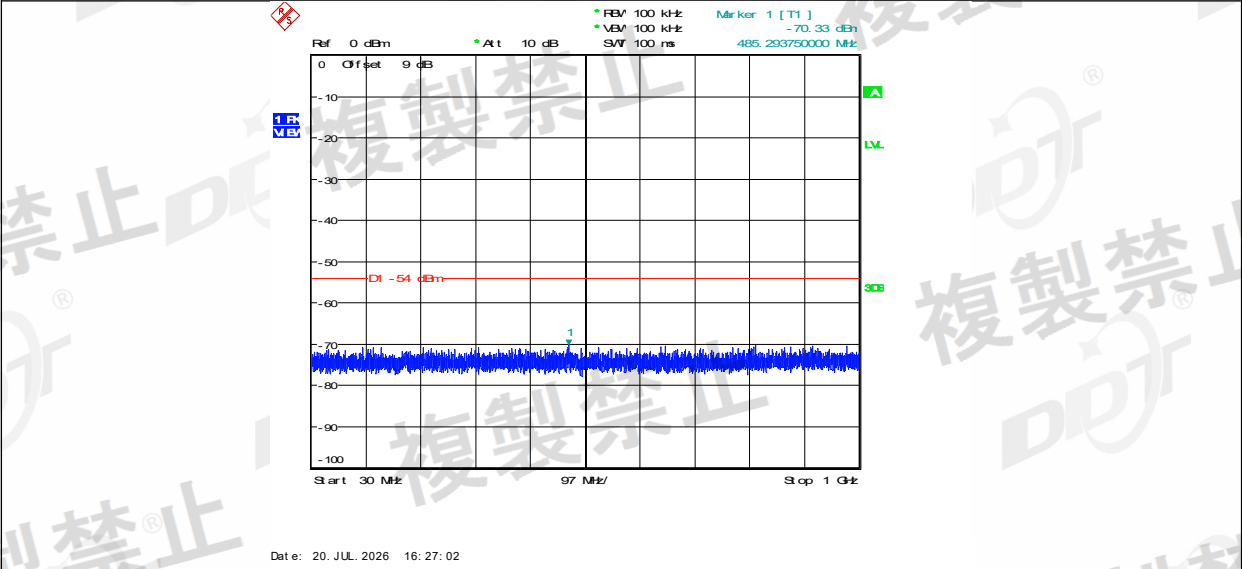




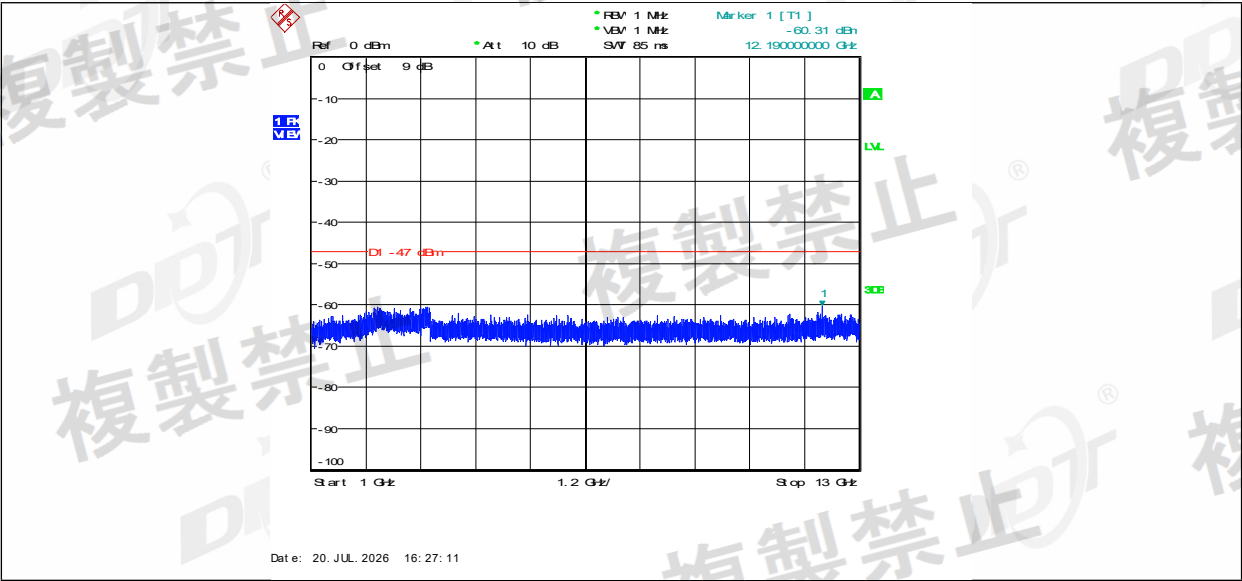
NTNV 2.4G SRD Ant1 2440 1000~13000



NTNV 2.4G SRD Ant1 2478 30~1000



NTNV 2.4G SRD Ant1 2478 1000~13000

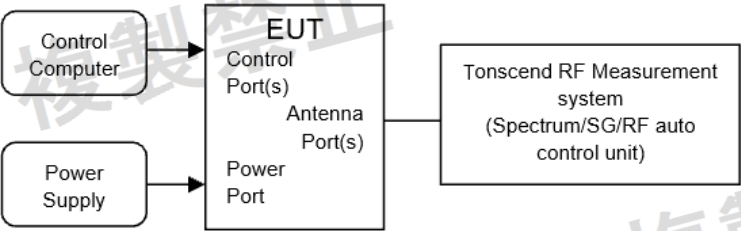


11. Dwell Time

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

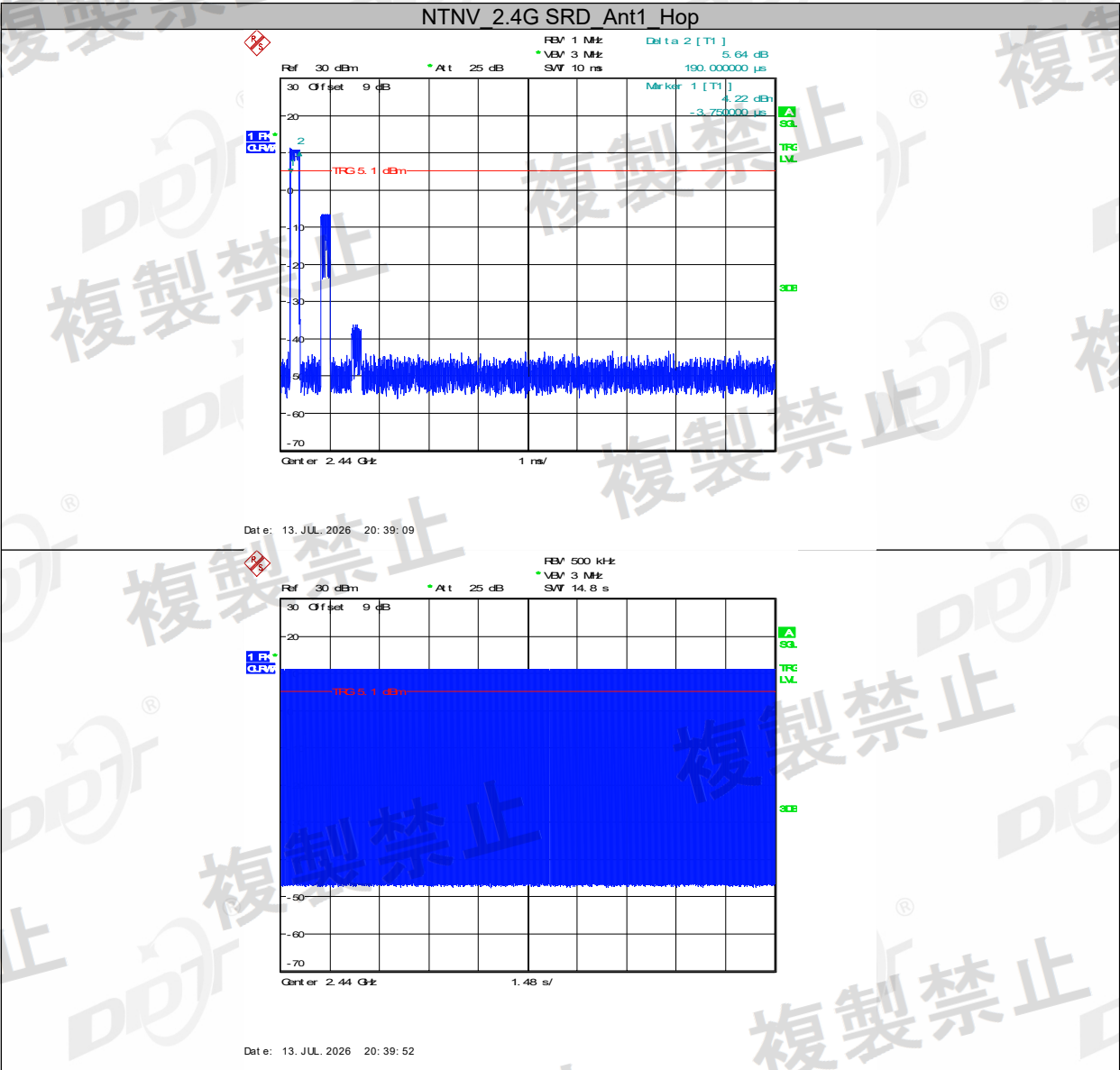
- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$.
- (3) Measure the hopping number and on time of each pulse with spectrum analyzer in zero span set, and calculate dwell time with formula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

11.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.7℃,34.5-35.6%RH	Test Date:	2026.7.15-2026.7.20
Test Power Supply:	Battery	Sample Number:	S26042802-005

Test Condition	Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	2.4G SRD	Ant1	Hop	0.19	624	0.119	≤0.4	PASS

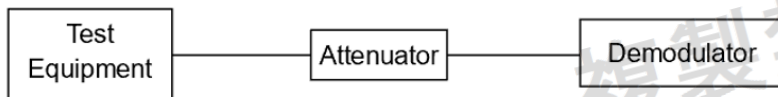
11.5. Test graphs



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

FF00ABCD1F83

13. Test Setup Photograph



14. Photos of the EUT

Please refer to DDT-Q26042802-2E appendix I

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