



Test Report No.: PSU-NQN2605060311RJ01



Certificate #6613.01

MIC TEST REPORT

(BT2.1+EDR)

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Smart Band
Brand Name:	Xiaomi
Model Name:	M2616B1
Date of tests:	May. 07, 2026 ~ May. 21, 2026

The tests have been carried out according to the requirements of the following standard:

☒ Article 2 Paragraph 1 of item 19

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Date: May. 21, 2026	Date: May. 21, 2026

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

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BUREAU
VERITAS

Test Report No.: PSU-NQN2605060311RJ01

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-NQN2605060311RJ01	Original release	May. 21, 2026



BUREAU VERITAS Test Report No.: PSU-NQN2605060311RJ01

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Notice 88 Appendix 43 Reference	Report reference	Parameter	Test Results (NOTE)
GENERAL PROVISIONS			
C	3.1	Frequency tolerance	C
D	3.2/3.3	Occupied bandwidth/ Spreading bandwidth	C
E	3.4	Spurious emissions	C
TRANSMITTING EQUIPMENT			
F	3.5	Antenna power	C
--	--	SAR	C
TRANSMITTING ANTENNA			
--	2.6	Type, configuration, etc. of transmitting antenna	C
--	2.6	Direction pattern of transmitting antenna	C
RECEIVING EQUIPMENT			
H	3.6	Spurious emissions of receiver	C
--	2.6	Refer to all articles for transmitting antenna	C
OPERATING FREQUENCY 2402 TO 2480MHZ			
--	2.5	High Frequency/modulation section cannot be opened easily	C
--	2.2	Communication method	C
--	2.2	Modulation method	C
--	2.2	Spread spectrum method	C
--	3.5	Antenna power	C
--	3.5	Absolute gain of transmitting antenna	NA
--	--	Angular width of principal radiation (AWPR)	NA
--	--	Number of carriers within 1 MHz bandwidth in OFDM	NA
--	3.2	Diffusion bandwidth	C
--	3.3	Spreading factor	C
--	3.7	Frequency retention time (FH employed)	C
--	3.8	Interference Prevention Function	C
--	3.9	Construction Protection Confirmation	C
NOTE 1: C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable			



Note: The data of this report all test data refers to report: PSU-NQN2605060211RJ01 (model: M2617B1). M2616B1 / M2617B1 are only differences in model name and whether they support NFC function. The details are as follows:

Mode name	M2616B1	M2617B1
NFC	Not support	Support
HW Version	P1	P1
SW Version	4.100.031	4.100.036

Except Listings above, others are the same.



BUREAU
VERITAS

Test Report No.: PSU-NQN2605060311RJ01

***Test Lab Information Reference**

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

Accredited Test Lab Cert 6613.01

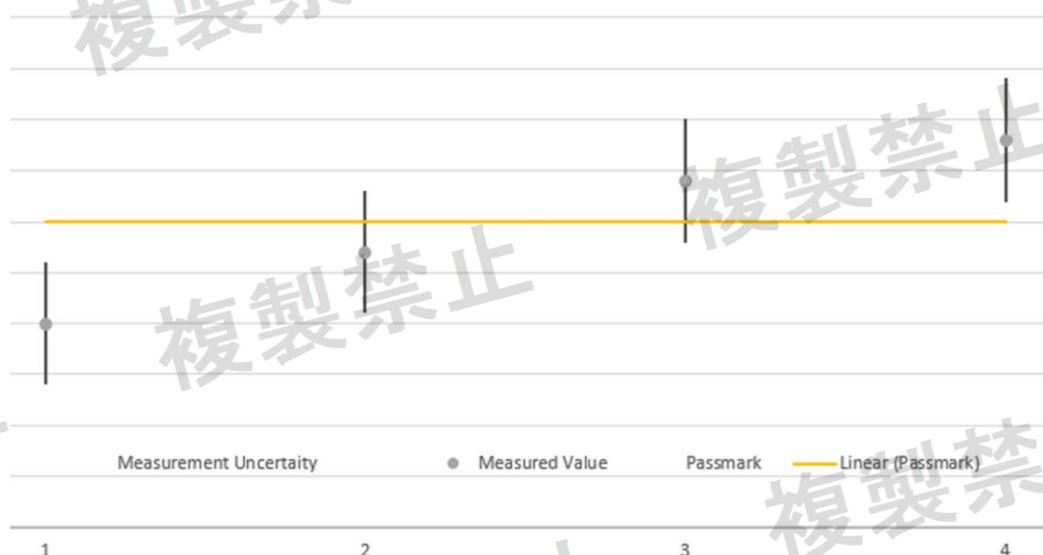


1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

ITEM	UNCERTAINTY
Occupied Bandwidth	261.60 Hz
Spurious emissions	2.52dB
Output power density	1.37dB
Out of band radiated power	2.52 dB
Frequency Tolerance	0.104 ppm



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF LAB

TEST LAB	Huarui 7layers High Technology (Suzhou) Co., Ltd.
TEST LAB ADDRESS:	Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

2.2 GENERAL DESCRIPTION OF EUT

PRODUCT*	Smart Band	
BRAND NAME*	Xiaomi	
MODEL NAME*	M2616B1	
TYPE OF EQUIPMENT*	Data transmission equipment operating in the 2.4GHz	
MODULATION TYPE*	GFSK, $\pi/4$ -DQPSK, 8DPSK	
OPERATING FREQUENCY	2402MHz ~ 2480MHz	
NUMBER OF CHANNEL	79	
RATED RF OUTPUT POWER DENSITY	See note 4	
CONDUCTED RF OUTPUT POWER DENSITY	See note 4	
RADIATED RF OUTPUT POWER DENSITY	See note 4	
ANTENNA TYPE*	FPC antenna	
ANTENNA GAIN*	☒ Provided by client	
	-8.2dBi	
EXTREME CONDITION*	VOLTAGE	3.537V~4.323V
	TEMP	0°C~43°C
HW-Release No*	P1	
SW-Release No*	4.100.031	

NOTE:

- *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function without beamforming.

MODULATION MODE	TX/RX FUNCTION
GFSK	1TX /1RX
$\pi/4$ -DQPSK	1TX /1RX
8DPSK	1TX /1RX



4. The power table as below table:

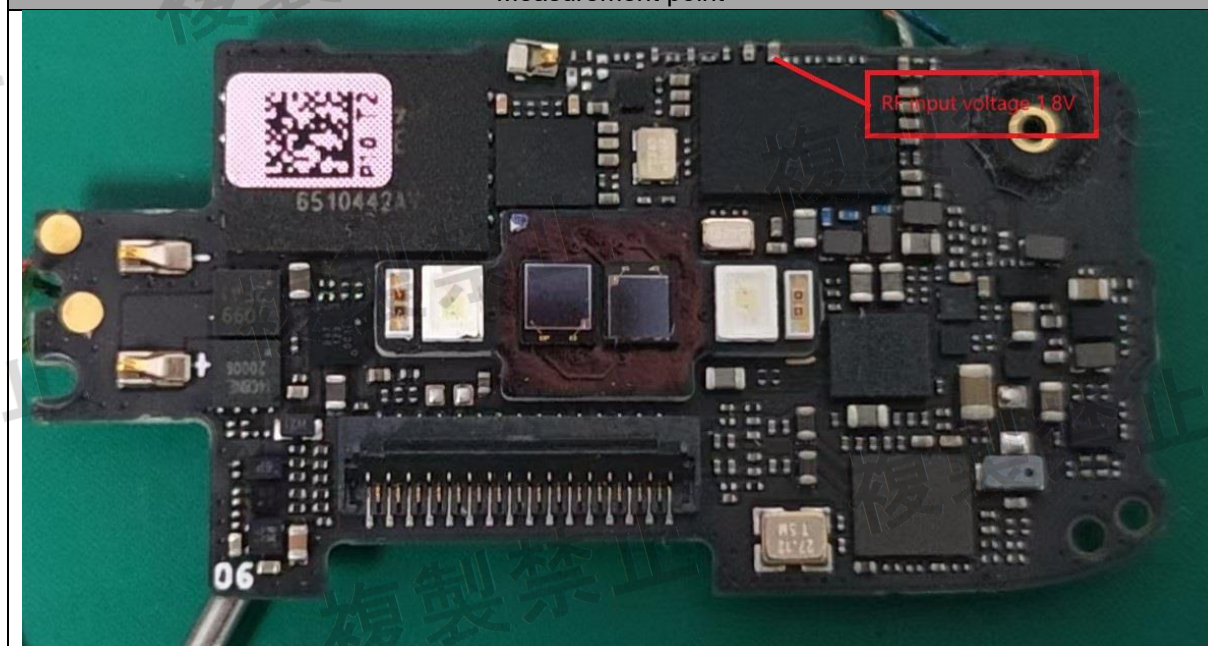
Modulation	Rated output power density (mW/MHz)	Conducted RF output power density (mW/MHz)	Radiated RF output power density (mW/MHz)
Normal mode			
GFSK	0.40	0.41	0.06
$\pi/4$ -DQPSK	0.25	0.21	0.03
8DPSK	0.25	0.21	0.03

5. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

6. When EUT be operated at $\pm 10\%$ from the normal supply voltage, the supply voltage of RF part was varied within $\pm 1\%$. All test cases were done under the normal supply voltage.

Stabilized voltage point	Power supply voltage 3.93Vdc (Normal)	Power supply voltage 4.323Vdc (+10%)	Power supply voltage 3.537Vdc (-10%)
A	1.80	1.80	1.80

Measurement point



7. For the test results, the EUT had been tested with normal supply voltage condition.

8. Pre-scan GFSK(DH1,DH3, DH5), $\pi/4$ -DQPSK(2DH1,2DH3, 2DH5),8DPSK(3DH1,3DH3,3 DH5), this report only shows the worst case mode data

9. TX/RX spurious emissions, Pre-scan hopping mode and Fixed frequency mode(single channel) in the condition of normal voltage and extreme voltage, the results are similar or consistent, this report only shows Fixed frequency mode.



2.3 DESCRIPTION OF TEST CHANNELS

79 channels are provided for Bluetooth.

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

3 modes are provided:

Mode	Conditions
Mode A	GFSK
Mode B	8DPSK
Mode C	$\pi/4$ -DQPSK

NOTE:

- For the test results, the EUT had been tested with all conditions. But only the worst case (Mode A,B,C) was shown in test report
- By means of test software which provided by manufacture, the power levels during the tests were set according to the following codes:

GFSK		8DPSK		$\pi/4$ -DQPSK	
CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING
0	default	0	default	0	default
39	default	39	default	39	default
78	default	78	default	78	default



2.4 TEST CONDITIONS

Test conditions	Voltage (V DC)
V_{normal}	3.93
V_{max}	4.323
V_{min}	3.537

2.5 ASSEMBLY

The RF circuits are located inside of the EUT. The RF circuit was covered by shielding case that Chassis is glued using a special adhesive, Also it won't be easy to be opened. Frequency Band, channels and Modulation parameters are fixed inside the module. They cannot be edited or modified by end-user.

2.6 ANTENNA SPECIFICATIONS

2.6.1 ANTENNA GAIN

Ant. Type	Connector Type	Highest Peak Gain (dBi) 2.4GHz ~ 2.5GHz
FPC antenna	N/A	-8.2

2.6.2 ANTENNA PATTERN

Please refer to the attached file (Antenna report).



3 TEST TYPES AND RESULTS

3.1 FREQUENCY TOLERANCE MEASUREMENT

3.1.1 LIMITS OF FREQUENCY TOLERANCE MEASUREMENT

Tolerance of frequency shall be +/- 50ppm

3.1.2 TEST PROCEDURES

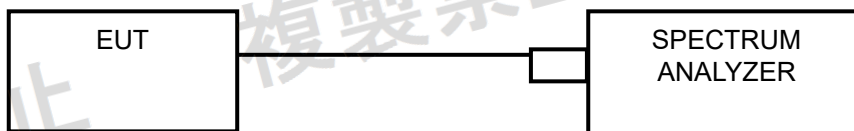
Method 1

1. Set RBW = 10 kHz.
2. Set the video bandwidth (VBW) $\geq$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. That are attenuated by 10 dB relative to the maximum level measured in the fundamental emission for EUT ,then Mark F1 and f2,final use formula $FT = \frac{[(f1+f2)/2]-f}{f}$, f=fundamental emission frequency

Method 2

1. Set RBW = 30 kHz.
2. Set the video bandwidth (VBW) $\geq$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum Peak of the emission for CW and mark f1,then use formula $FT = (f1-f)/f$, f=fundamental emission frequency

3.1.3 TEST SETUP



3.1.4 TEST RESULTS – MODE A, B, C

Please Refer to Appendix Of this test report.



3.2 OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)

3.2.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

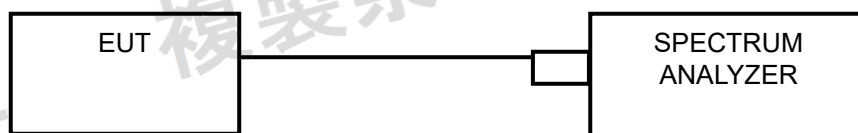
Occupied bandwidth shall be 83.5MHz or less.

3.2.2 TEST PROCEDURES

1. Set RBW = 1MHz.
2. Set the video bandwidth (VBW) $\geq$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

Use the 99 % bandwidth function of the spectrum analyser to measure the Occupied Channel Bandwidth of the UUT. This value shall be recorded.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS – MODE A, B, C

Mode	Conditions	Test Results
Mode A	GFSK	Pass
Mode B	8DPSK	Pass
Mode C	$\pi/4$ -DQPSK	Pass

Please Refer to Appendix Of this test report.



3.3 SPREADING BANDWIDTH MEASUREMENT (90% POWER BANDWIDTH)

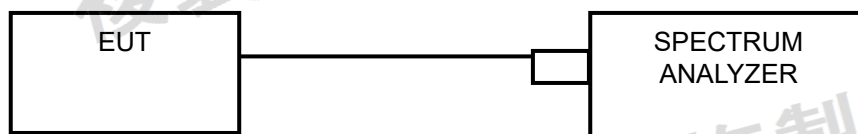
3.3.1 LIMITS OF SPREADING BANDWIDTH AND SPREADING FACTOR

ITEM	LIMIT	REMARK
SPREADING BANDWIDTH	$\geq 500\text{kHz}$	-
SPREADING FACTOR	≥ 5	Operating frequency 2400 to 2483MHz

3.3.2 TEST PROCEDURES

Use 3.2.2 method

3.3.3 TEST SETUP



3.3.4 TEST RESULTS – MODE A, B, C

For Worse:

Mode	Conditions	Test Results
Mode A	GFSK	Pass
Mode B	8DPSK	Pass
Mode C	$\pi/4$ -DQPSK	Pass

Please Refer to Appendix Of this test report.



3.4 SPURIOUS EMISSIONS FOR TRANSMITTER MEASUREMENT

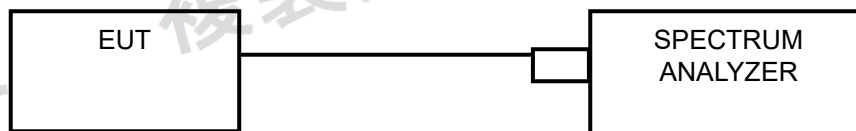
3.4.1 LIMITS OF SPURIOUS EMISSIONS

Frequencies (MHz)	Limit
Operating frequency 2400 to 2483.5MHz	
30.0MHz to 2387MHz	$\leq 2.5\mu\text{W}/\text{MHz}$
2387.0MHz to 2400.0MHz	$\leq 25\mu\text{W}/\text{MHz}$
2483.5MHz to 2496.5MHz	$\leq 25\mu\text{W}/\text{MHz}$
2496.5MHz to 12500.0MHz	$\leq 2.5\mu\text{W}/\text{MHz}$

3.4.2 TEST PROCEDURES

1. Set RBW = 1 MHz.(above 1GHz) or 1 MHz.(below 1GHz)
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.

3.4.3 TEST SETUP



3.4.4 SUMMARY OF TEST RESULTS – MODE A, B, C

For Worse Hopping_79:

Mode	Conditions	Test Results
Mode A	GFSK	Pass
Mode B	8DPSK	Pass
Mode C	$\pi/4$ -DQPSK	Pass

Please Refer to Appendix Of this test report.



3.5 ANTENNA POWER MEASUREMENT

3.5.1 LIMITS OF ANTENNA POWER

Modulation system	Frequency band used	Antenna power (max.)	EIRP (max)	
			Omni-directional case	Directional case
FH	2,400 – 2,4835 MHz	3mW/MHz	6.91 dBm/MHz (4.91 mW/MHz)	16.91 dBm/MHz (49.10 mW/MHz)

Tolerance of antenna power shall be +20% (upper value) and –80% (lower value).

3.5.2 TEST PROCEDURES

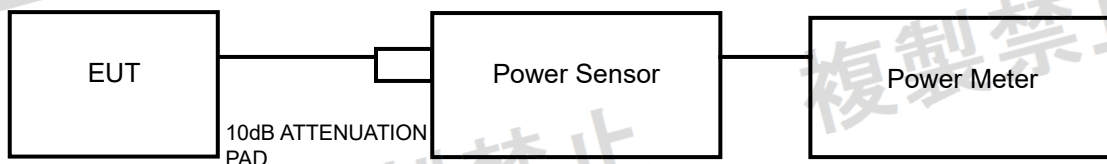
Set a:

Connect a high frequency power meter to the output of the dummy load (attenuator) and measure the total power.

Set b:

Divide the total power by the spreading bandwidth to calculate the average power per 1 MHz.

3.5.3 TEST SETUP





3.5.4 CONDUCTED POWER

GFSK

ENVIRONMENTAL CONDITIONS	23 deg.C, 58 % RH
TEST CONDITION	Antenna power (dBm)
	DH5
Voltage normal	14.62

$\pi/4$ -DQPSK

ENVIRONMENTAL CONDITIONS	23 deg.C, 58 % RH
TEST CONDITION	Antenna power (dBm)
	2-DH5
Voltage normal	11.77

8DPSK

ENVIRONMENTAL CONDITIONS	23 deg.C, 58 % RH
TEST CONDITION	Antenna power (dBm)
	3-DH5
Voltage normal	11.80

Please Refer to Appendix Of this test report.



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3.5.5 TEST RESULTS – MODE A,B,C

Mode	Conditions	Test Results
Mode A	GFSK	Pass
Mode B	8DPSK	Pass
Mode C	$\pi/4$ -DQPSK	Pass

Please Refer to Appendix Of this test report.



3.6 SPURIOUS EMISSIONS FOR RECEIVER

3.6.1 LIMITS OF SPURIOUS EMISSIONS FOR RECEIVER

Frequencies (MHz)	Limit
Below 1GHz	$\leq 4\text{nW}$ (-54dBm)
Above 1GHz	$\leq 20\text{nW}$ (-47dBm)

3.6.2 TEST PROCEDURES

1. Set RBW = 1 MHz.(above 1GHz) or 0.1 MHz.(below 1GHz)
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.

3.6.3 TEST SETUP



3.6.4 SUMMARY OF TEST RESULTS – MODE A, B, C

Mode	Conditions	Test Results
Mode A	GFSK	Pass
Mode B	8DPSK	Pass
Mode C	$\pi/4$ -DQPSK	Pass

Please Refer to Appendix Of this test report.



3.7 DWELL TIME

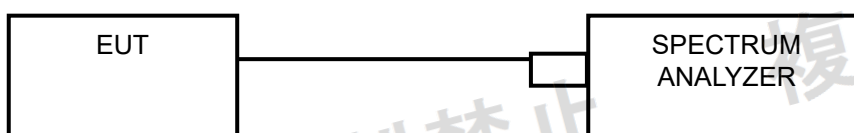
3.7.1 LIMITS OF DWELL TIME

The frequency retention time in the frequency hopping method shall be 0.4 second or less. The total sum of the frequency retention time in any frequency within the time obtained by multiplying the diffusion rate by 0.4 second shall be 0.4 second or shorter.

3.7.2 TEST PROCEDURES

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
3. Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
4. Measure the time duration of one transmission on the measured frequency. And then plot the result with time difference of this time duration.
5. Repeat above procedures until all different time-slot modes have been completed.

3.7.3 TEST SETUP



3.7.4 TEST RESULTS – MODE A,B,C

Mode	Conditions	Test Results
Mode A	GFSK	Pass
Mode B	8DPSK	Pass
Mode C	$\pi/4$ -DQPSK	Pass

Please Refer to Appendix Of this test report.



3.8 INTERFERENCE PREVENTION FUNCTION

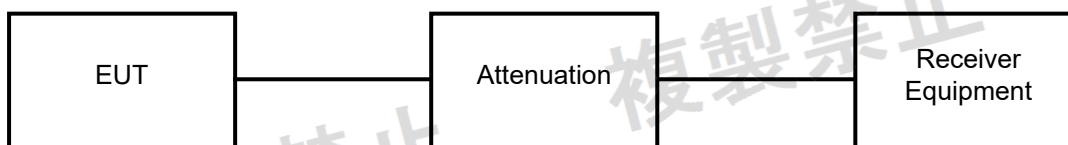
3.8.1 LIMITS OF INTERFERENCE PREVENTION FUNCTION

Radio equipment used mainly on the same premises and automatically transmits or receives identification code.

3.8.2 TEST PROCEDURES

According to Annex 43 Temporary test method specified by TACOYAKI.

3.8.3 TEST SETUP



3.8.4 TEST RESULTS

ENVIRONMENTAL CONDITIONS	23 deg.C, 58% RH
LINK MODE	TEST RESULT
Identification code	74FB1753015C
BT	PASS



3.9 CONSTRUCTION PROTECTION CONFIRMATION METHOD

3.9.1 CONFIRMATION METHOD

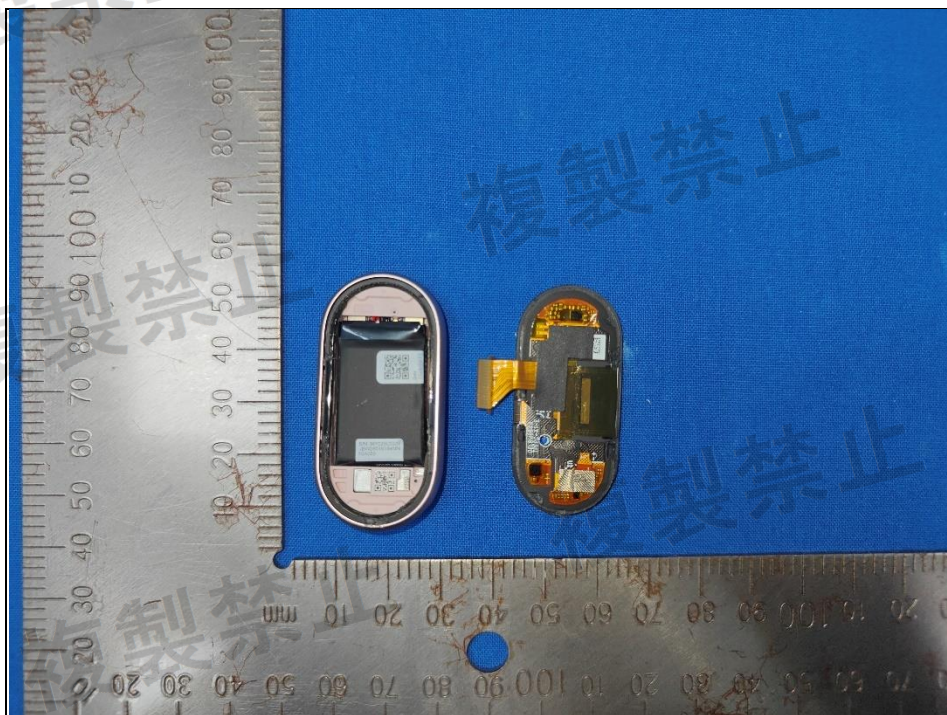
☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☒	Chassis is glued using a special adhesive.
☐	Metal covers are spot fused.
☐	Cover is specially interlocked.
☐	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☐	Other :



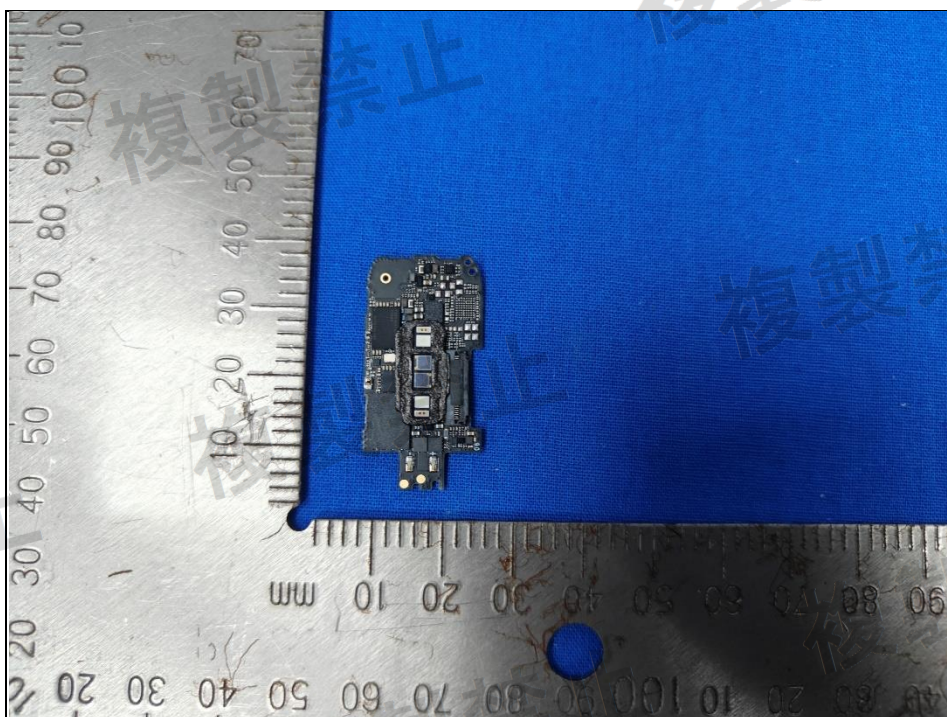
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3.9.2 THE PHOTOS OF CONSTRUCTION PROTECTION



3.9.3 TEST CIRCUIT PHOTO





4 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Calibration Authority	Last Cal.	Next Cal.	Cal. Method
Power Meter	ANRITSU	ML2495A	1506002	GuangDian	Feb. 19,26	Feb. 18,27	c
DC Source	Agilent	U8002A	MY52140018	GuangDian	May. 29,25	May. 28,26	c
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510523	GuangDian	Feb. 19,26	Feb. 18,27	c
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	GuangDian	May. 30,25	May. 29,26	c
Power Sensor	ANRITSU	MA2411B	1339352	GuangDian	May. 03,26	May. 02,27	c
Signal Generator_N5182B	KEYSIGHT	N5182B	MY56200114	GuangDian	Feb. 12,26	Feb. 11,27	c
6DB attenuator	Tonscend Technology Co., Ltd	N/A	23062786	N/A	N/A	N/A	c
Power Divider (distributor)	GuangDian	ZPD8-2M0-40G-1942	04223129	GuangDian	Nov.03.25	Nov.02.26	c
RF Control Unit	Tonscend	TS 8997	20251021	N/A	N/A	N/A	c

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to Calibration Lab: GRE Metrology & Test Group CO.,LTD. Address: NO.163 Pingyun Rd, West of Huangpu Ave. Guangzhou, Guangdong, China.

2. The test was performed in RF Oven room.

Calibration Method:

- a: Calibration conducted by the National Institute of Information and Communications Technology ~ NICT ~ or a designated calibration agency under Article 102-18 paragraph (1)
~ TELEC EngineeringCenter, Intertek Japan K.K, Keysight Technologies, Inc~.
- b: Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) ~ Japan Calibration Service System~
- c: Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)
~ TELEC EngineeringCenter, Intertek Japan K.K, Keysight Technologies, Inc~
- d: Calibration conducted by using other equipment that listed above from a) to c)



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5 PHOTOGRAPHS OF THE TEST CONFIGURATION





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6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.



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7 APPENDIX

Frequency_Error

TEST RESULT

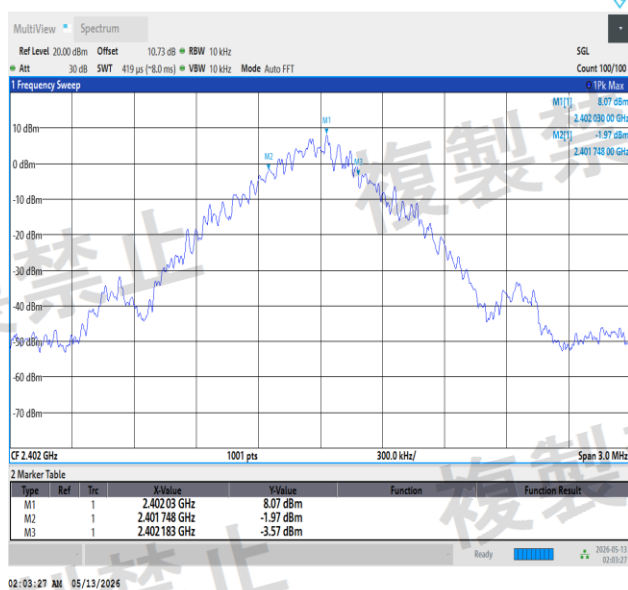
Test Condition	Test Mode	Antenna	Frequency[MHz]	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	DH5	Ant1	2402	2401.9655	-14.36303	±50	PASS
NTNV	DH5	Ant1	2441	2440.961	-15.97706	±50	PASS
NTNV	DH5	Ant1	2480	2479.9625	-15.12097	±50	PASS
NTNV	2DH5	Ant1	2402	2401.937	-26.22814	±50	PASS
NTNV	2DH5	Ant1	2441	2440.982	-7.37403	±50	PASS
NTNV	2DH5	Ant1	2480	2479.979	-8.46774	±50	PASS
NTNV	3DH5	Ant1	2402	2401.9955	-1.87344	±50	PASS
NTNV	3DH5	Ant1	2441	2440.991	-3.68701	±50	PASS
NTNV	3DH5	Ant1	2480	2480.051	+20.56452	±50	PASS

Note: Result[ppm]= (CenterFreq - Channel)/Channel*1000000

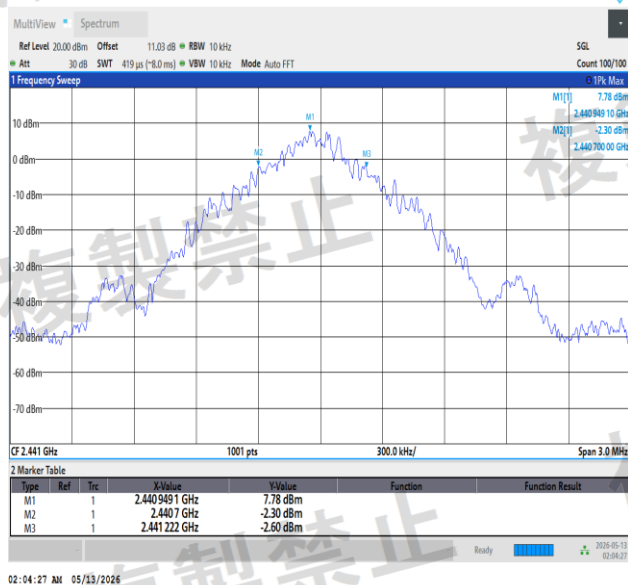


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TEST GRAPHS



NTNV-DH5-Ant1-2402-PASS

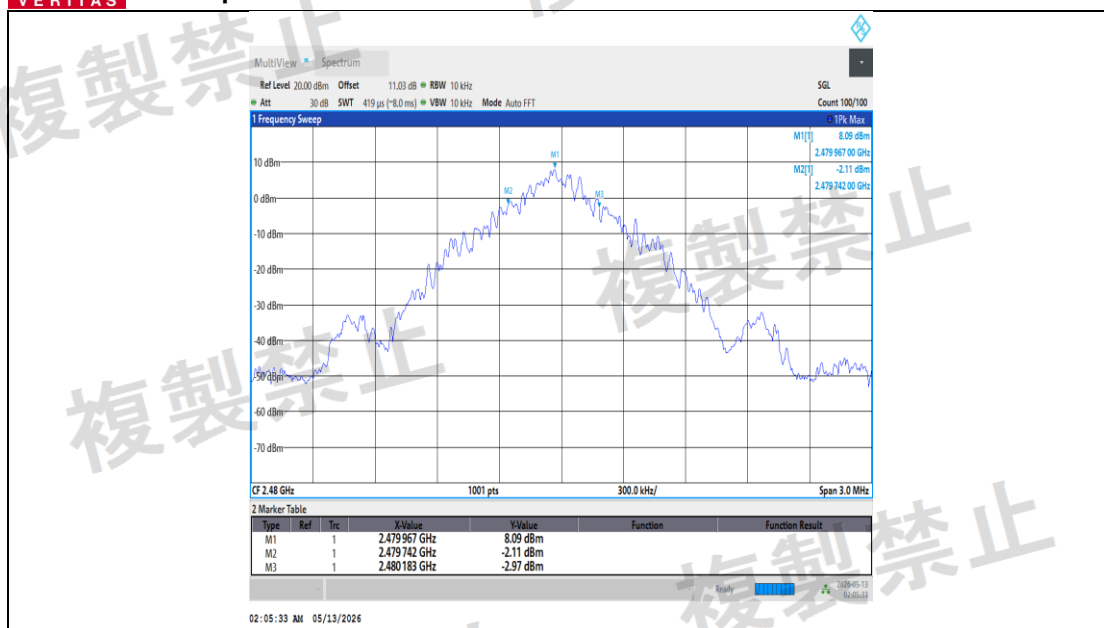


NTNV-DH5-Ant1-2441-PASS



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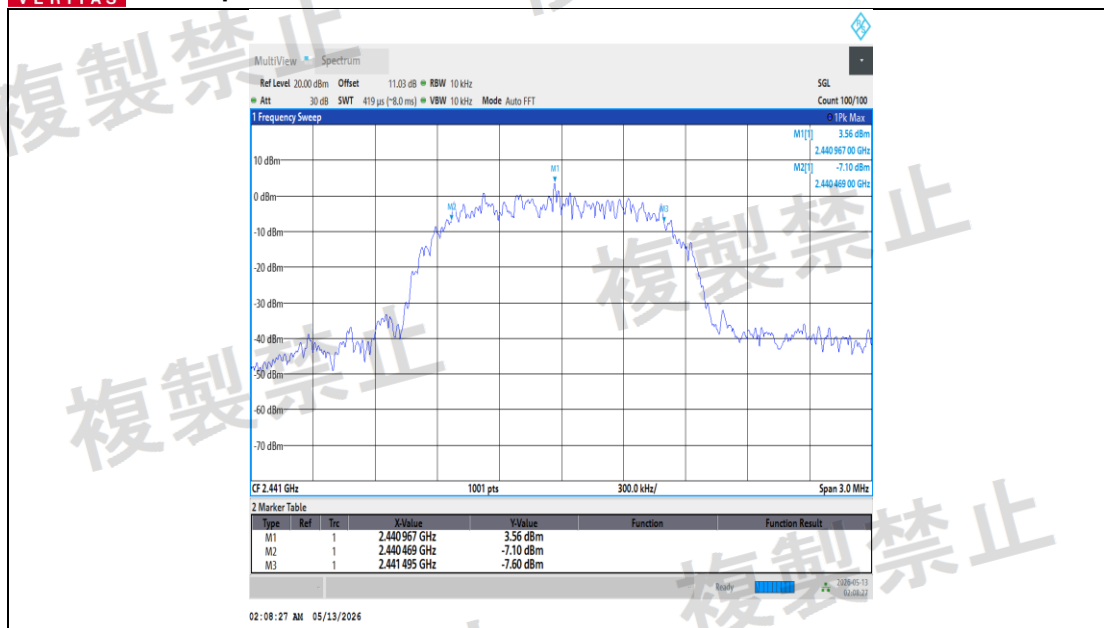
Test Report No.: PSU-NQN2605060311RJ01



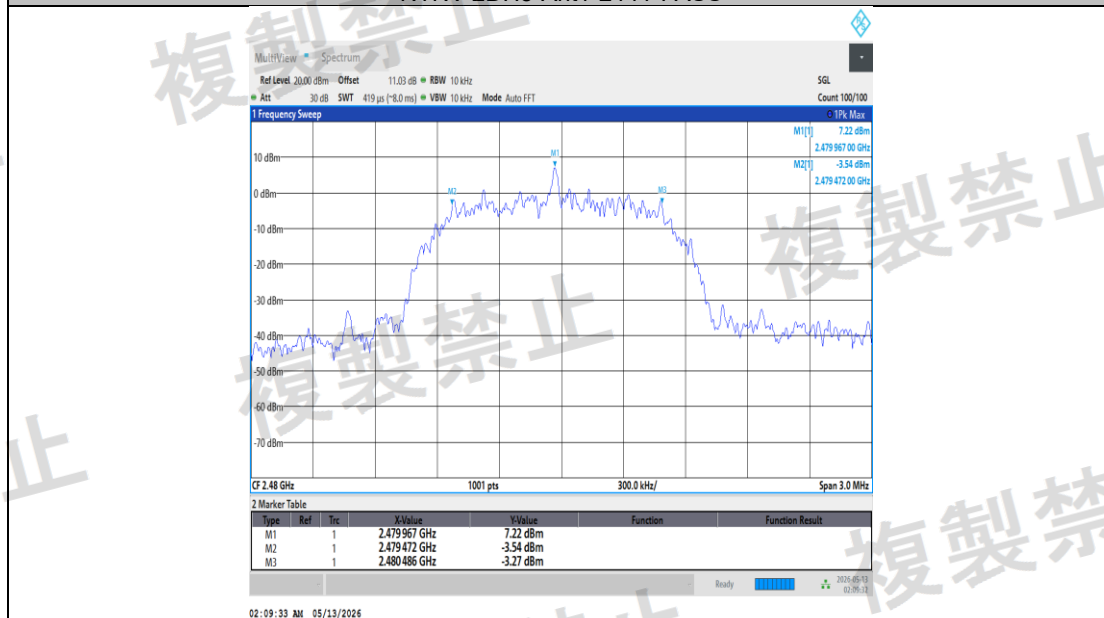
NTNV-DH5-Ant1-2480-PASS



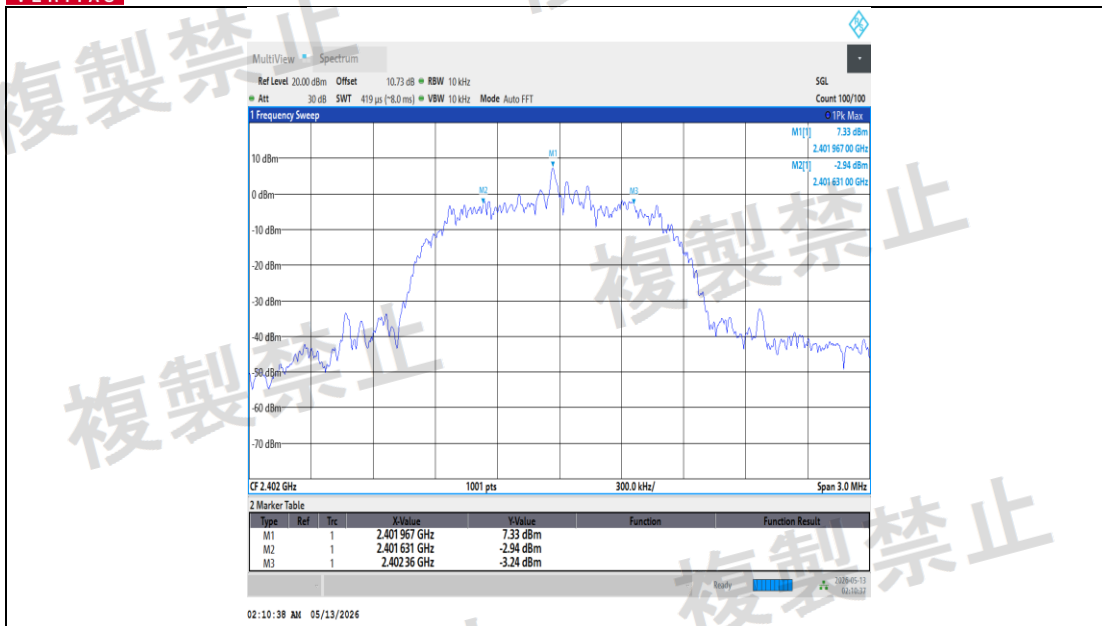
NTNV-2DH5-Ant1-2402-PASS



NTNV-2DH5-Ant1-2441-PASS



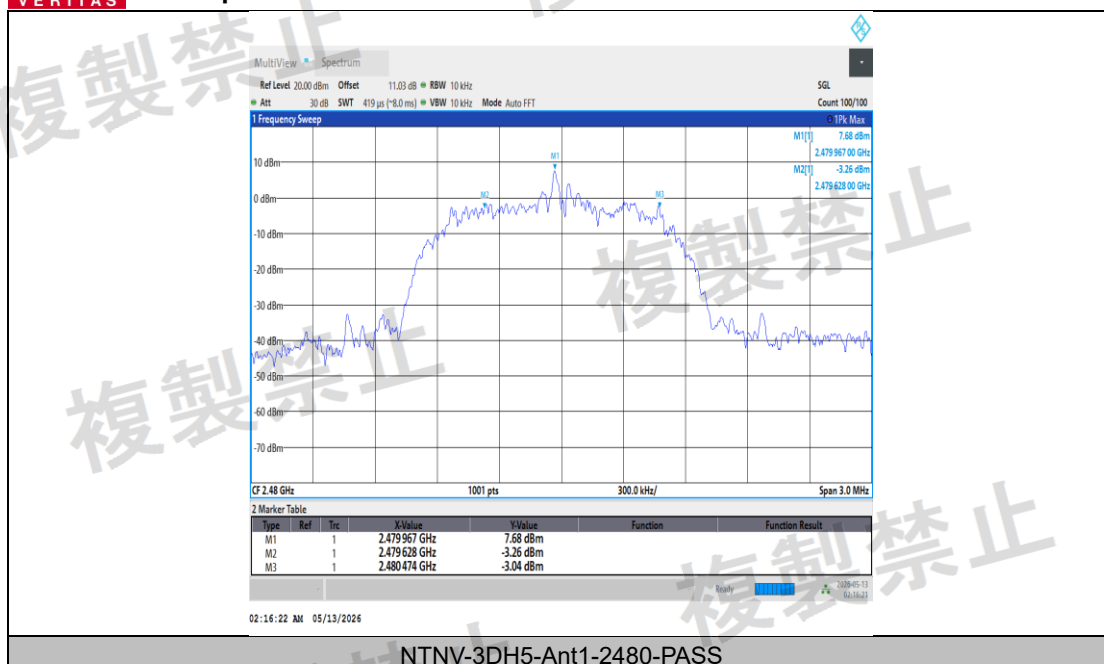
NTNV-2DH5-Ant1-2480-PASS



NTNV-3DH5-Ant1-2402-PASS



NTNV-3DH5-Ant1-2441-PASS





Antenna Power

TEST RESULT

Antenna Power									
Test Condition	TestMode	Antenna	Frequency [MHz]	Result (dBm)	Result (mW)	90%BW (MHz)	Result (mW/MHz)	Limit (dBm/MHz)	Verdict
NTNV	DH5	Ant1	Hop	14.62	28.9734	70.775	0.4094	≤3	PASS
	2DH5	Ant1	Hop	11.77	15.0314	70.797	0.2123	≤3	PASS
	3DH5	Ant1	Hop	11.80	15.1356	70.870	0.2136	≤3	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	DH5	Ant1	Hop	0.4094	0.40	+2.35	-80 to +20	PASS
	2DH5	Ant1	Hop	0.2123	0.25	-15.08	-80 to +20	PASS
	3DH5	Ant1	Hop	0.2136	0.25	-14.56	-80 to +20	PASS

EIRP								
Test Condition	TestMode	Antenna	Frequency [MHz]	Result (dBm/MHz)	EIRP (dBm/MHz)	EIRP (mW/MHz)	Limit (dBm/MHz)	Verdict
NTNV	DH5	Ant1	Hop	-3.88	-12.08	0.0619	≤6.91	PASS
	2DH5	Ant1	Hop	-6.73	-14.93	0.0321	≤6.91	PASS
	3DH5	Ant1	Hop	-6.70	-14.9	0.0324	≤6.91	PASS



Occupied Bandwidth

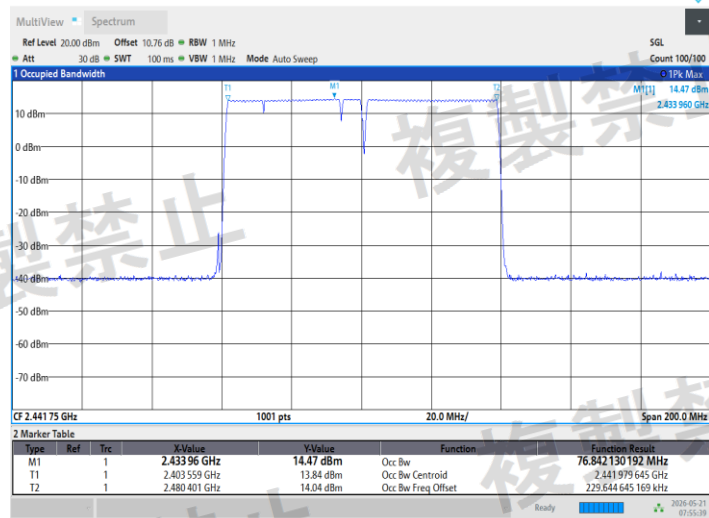
TEST RESULT

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	76.842	≤83.5	PASS
	2DH5	Ant1	Hop	77.913	≤83.5	PASS
	3DH5	Ant1	Hop	77.915	≤83.5	PASS



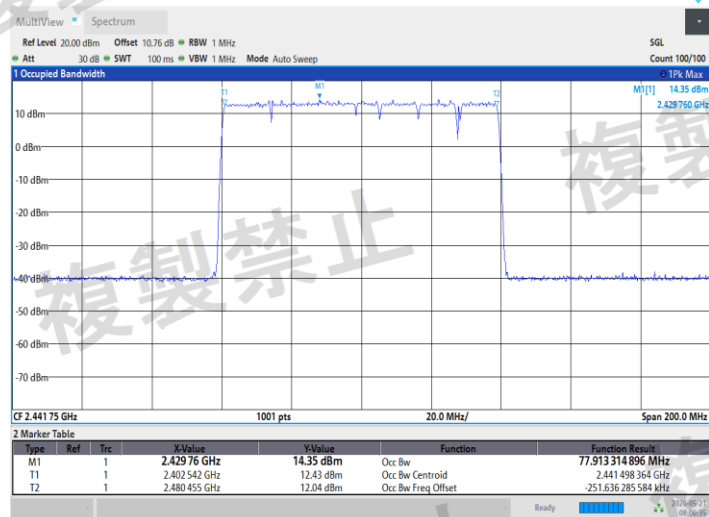
TEST GRAPHS

NTNV_DH5_Ant1_Hop



07:55:39 AM 05/21/2026

NTNV_2DH5_Ant1_Hop



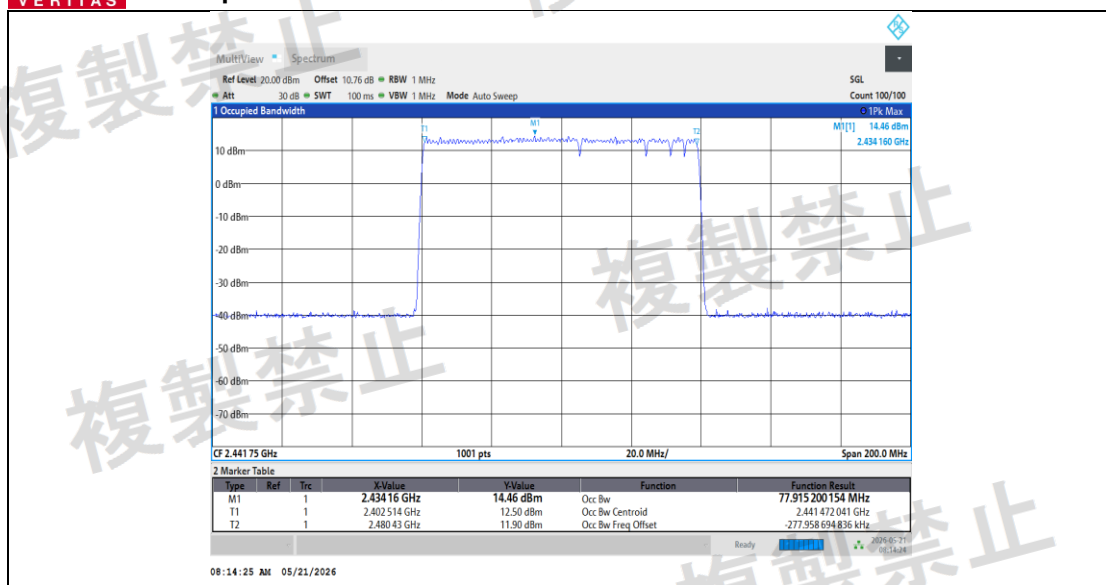
08:06:36 AM 05/21/2026

NTNV_3DH5_Ant1_Hop



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Spread Bandwidth

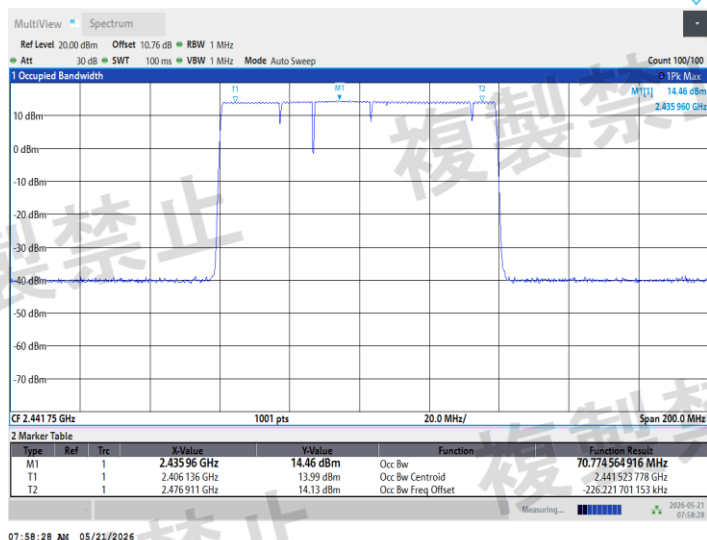
TEST RESULT

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	DH5	Ant1	Hop	70.775	≥ 0.5	70.775	> 5	PASS
	2DH5	Ant1	Hop	70.797	≥ 0.5	70.797	> 5	PASS
	3DH5	Ant1	Hop	70.870	≥ 0.5	70.870	> 5	PASS

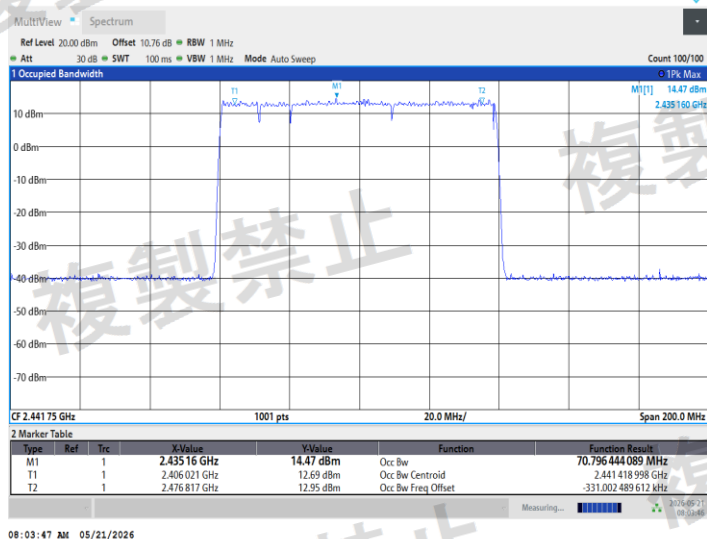


TEST GRAPHS

NTNV_DH5_Ant1_Hop



NTNV_2DH5_Ant1_Hop

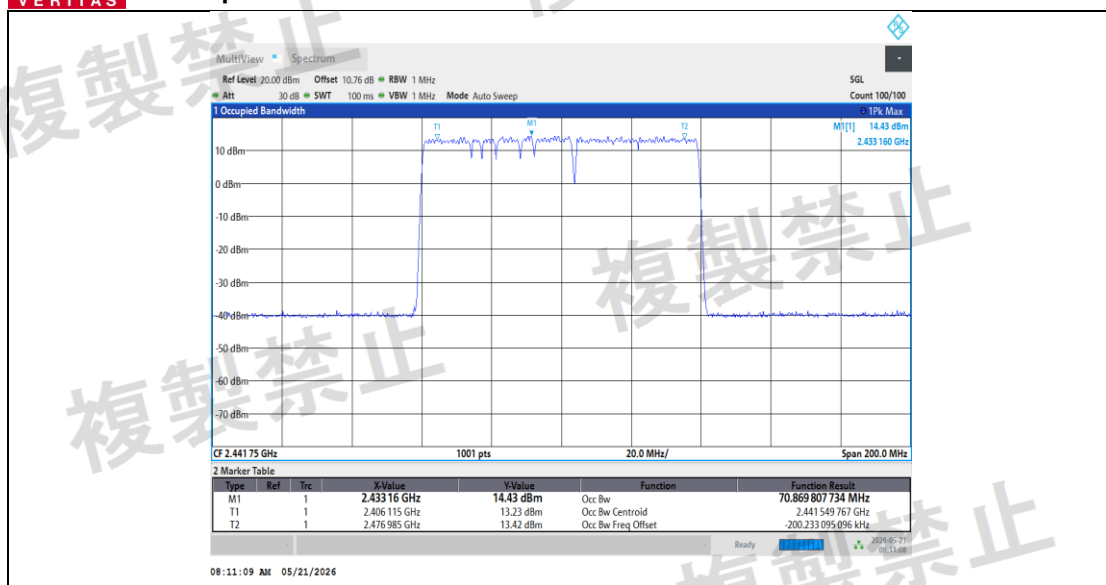


NTNV_3DH5_Ant1_Hop



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Spurious Emission of TX

TEST RESULT

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	DH5	Ant1	2402	30~1000	34.85	-38.79	≤ -26	0.13213	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	1000~2387	2269.45	-38.70	≤ -26	0.13490	≤ 2.5	PASS
NTNV	DH5	Ant1	2402	2387~2400	2400.00	-21.34	≤ -16	7.34514	≤ 25	PASS
NTNV	DH5	Ant1	2402	2483.5~2496.5	2484.49	-39.35	≤ -16	0.11614	≤ 25	PASS
NTNV	DH5	Ant1	2402	2496.5~13000	7420.02	-35.07	≤ -26	0.31117	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	30~1000	90.63	-39.86	≤ -26	0.10328	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	1000~2387	2130.75	-38.78	≤ -26	0.13243	≤ 2.5	PASS
NTNV	DH5	Ant1	2441	2387~2400	2396.57	-40.14	≤ -16	0.09683	≤ 25	PASS
NTNV	DH5	Ant1	2441	2483.5~2496.5	2486.43	-39.58	≤ -16	0.11015	≤ 25	PASS
NTNV	DH5	Ant1	2441	2496.5~13000	6430.59	-35.22	≤ -26	0.30061	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	30~1000	31.21	-38.46	≤ -26	0.14256	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	1000~2387	2158.84	-39.49	≤ -26	0.11246	≤ 2.5	PASS
NTNV	DH5	Ant1	2480	2387~2400	2393.79	-39.24	≤ -16	0.11912	≤ 25	PASS
NTNV	DH5	Ant1	2480	2483.5~2496.5	2483.77	-37.82	≤ -16	0.16520	≤ 25	PASS
NTNV	DH5	Ant1	2480	2496.5~13000	7481.46	-34.18	≤ -26	0.38194	≤ 2.5	PASS
NTNV	2DH5	Ant1	2402	30~1000	30.97	-39.39	≤ -26	0.11508	≤ 2.5	PASS
NTNV	2DH5	Ant1	2402	1000~2387	2243.10	-39.51	≤ -26	0.11194	≤ 2.5	PASS
NTNV	2DH5	Ant1	2402	2387~2400	2399.96	-18.56	≤ -16	13.9315 7	≤ 25	See table below
NTNV	2DH5	Ant1	2402	2483.5~2496.5	2487.41	-40.03	≤ -16	0.09931	≤ 25	PASS
NTNV	2DH5	Ant1	2402	2496.5~13000	6995.15	-35.34	≤ -26	0.29242	≤ 2.5	PASS
NTNV	2DH5	Ant1	2441	30~1000	33.40	-38.71	≤ -26	0.13459	≤ 2.5	PASS
NTNV	2DH5	Ant1	2441	1000~2387	2287.83	-39.39	≤ -26	0.11508	≤ 2.5	PASS
NTNV	2DH5	Ant1	2441	2387~2400	2394.51	-39.37	≤ -16	0.11561	≤ 25	PASS
NTNV	2DH5	Ant1	2441	2483.5~2496.5	2487.93	-39.86	≤ -16	0.10328	≤ 25	PASS
NTNV	2DH5	Ant1	2441	2496.5~13000	6942.11	-34.74	≤ -26	0.33574	≤ 2.5	PASS
NTNV	2DH5	Ant1	2480	30~1000	55.22	-39.22	≤ -26	0.11967	≤ 2.5	PASS
NTNV	2DH5	Ant1	2480	1000~2387	2379.72	-39.27	≤ -26	0.11830	≤ 2.5	PASS
NTNV	2DH5	Ant1	2480	2387~2400	2391.71	-39.52	≤ -16	0.11169	≤ 25	PASS
NTNV	2DH5	Ant1	2480	2483.5~2496.5	2483.51	-37.59	≤ -16	0.17418	≤ 25	PASS
NTNV	2DH5	Ant1	2480	2496.5~13000	6990.42	-34.47	≤ -26	0.35727	≤ 2.5	PASS
NTNV	3DH5	Ant1	2402	30~1000	35.34	-38.96	≤ -26	0.12706	≤ 2.5	PASS
NTNV	3DH5	Ant1	2402	1000~2387	2366.54	-39.56	≤ -26	0.11066	≤ 2.5	PASS
NTNV	3DH5	Ant1	2402	2387~2400	2400	-17.19	≤ -16	19.0985 3	≤ 25	See table below
NTNV	3DH5	Ant1	2402	2483.5~2496.5	2493.31	-39.67	≤ -16	0.10789	≤ 25	PASS
NTNV	3DH5	Ant1	2402	2496.5~13000	6940.01	-35.62	≤ -26	0.27416	≤ 2.5	PASS
NTNV	3DH5	Ant1	2441	30~1000	32.18	-39.59	≤ -26	0.10990	≤ 2.5	PASS
NTNV	3DH5	Ant1	2441	1000~2387	2285.06	-39.31	≤ -26	0.11722	≤ 2.5	PASS
NTNV	3DH5	Ant1	2441	2387~2400	2394.12	-39.44	≤ -16	0.11376	≤ 25	PASS
NTNV	3DH5	Ant1	2441	2483.5~2496.5	2483.75	-38.92	≤ -16	0.12823	≤ 25	PASS
NTNV	3DH5	Ant1	2441	2496.5~13000	7496.17	-34.51	≤ -26	0.35400	≤ 2.5	PASS
NTNV	3DH5	Ant1	2480	30~1000	207.27	-39.79	≤ -26	0.10495	≤ 2.5	PASS
NTNV	3DH5	Ant1	2480	1000~2387	1696.62	-39.44	≤ -26	0.11376	≤ 2.5	PASS
NTNV	3DH5	Ant1	2480	2387~2400	2389.04	-38.30	≤ -16	0.14791	≤ 25	PASS



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NTNV	3DH5	Ant1	2480	2483.5~2496.5	2483.54	-37.68	≤-16	0.17061	≤25	PASS
NTNV	3DH5	Ant1	2480	2496.5~13000	7477.26	-34.69	≤-26	0.33963	≤2.5	PASS

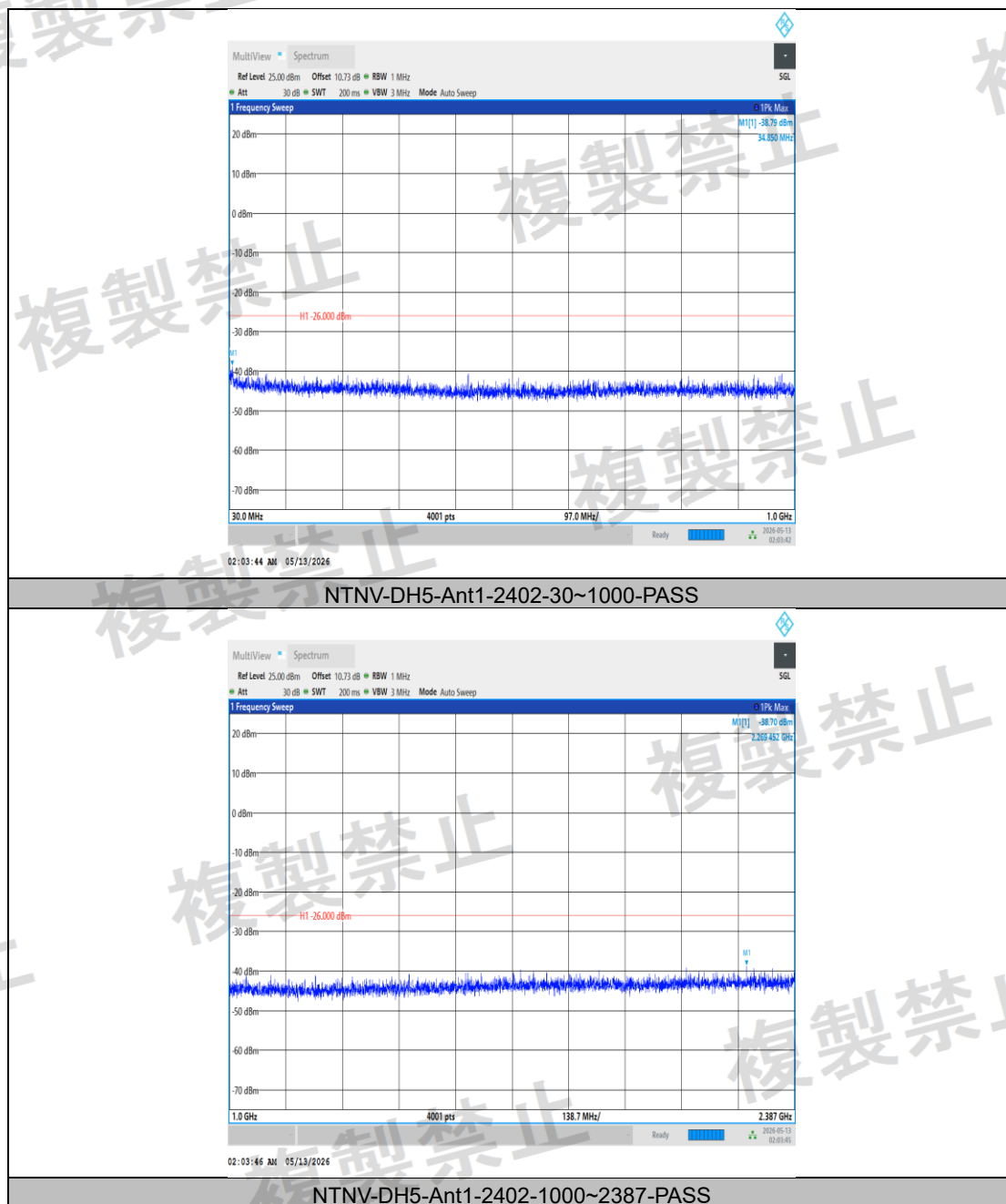
TEST RESULT_STEP2

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	2DH5	Ant1	2402	2399.96	-25.61	≤-16	2.74789	≤25	PASS
NTNV	3DH5	Ant1	2402	2400.00	-25.97	≤-16	2.52930	≤25	PASS



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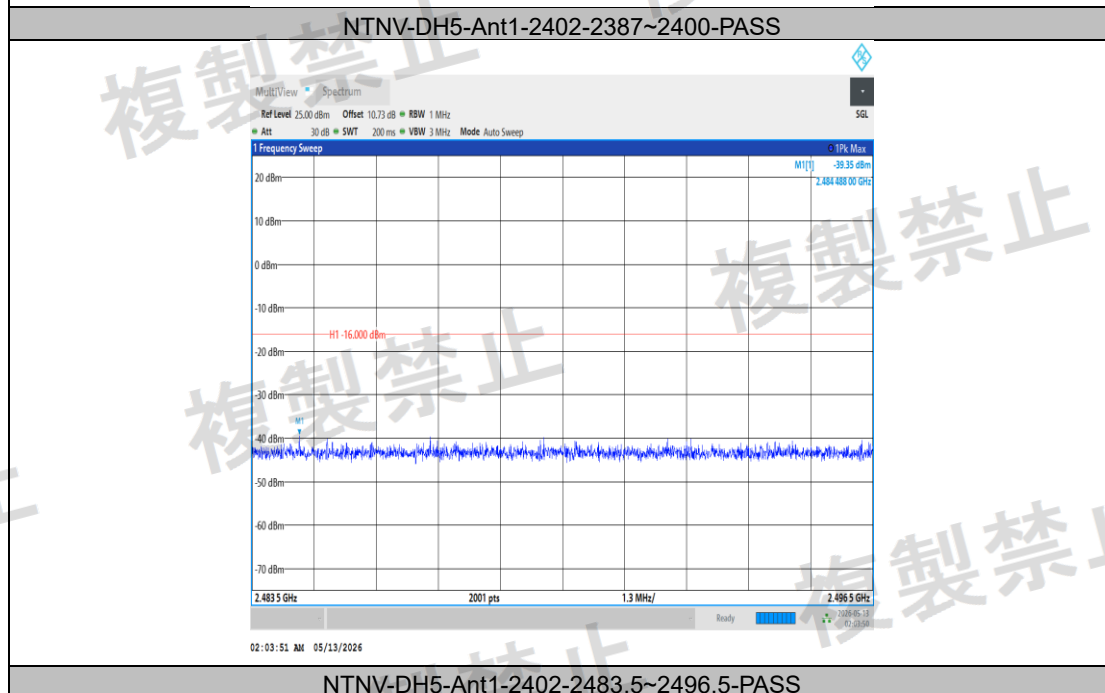
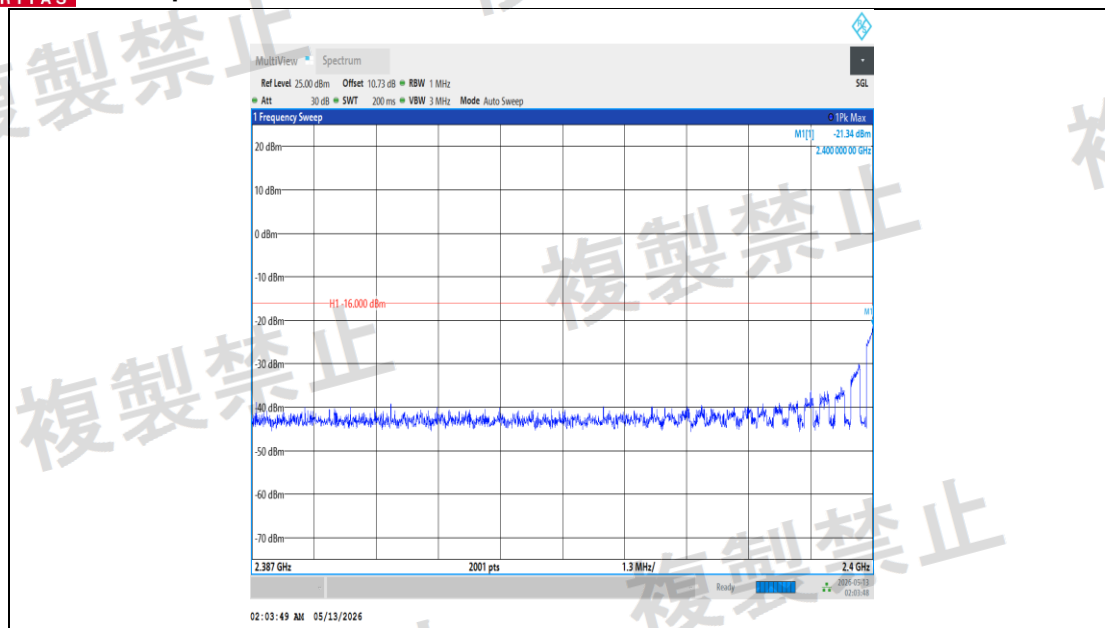
TEST GRAPHS





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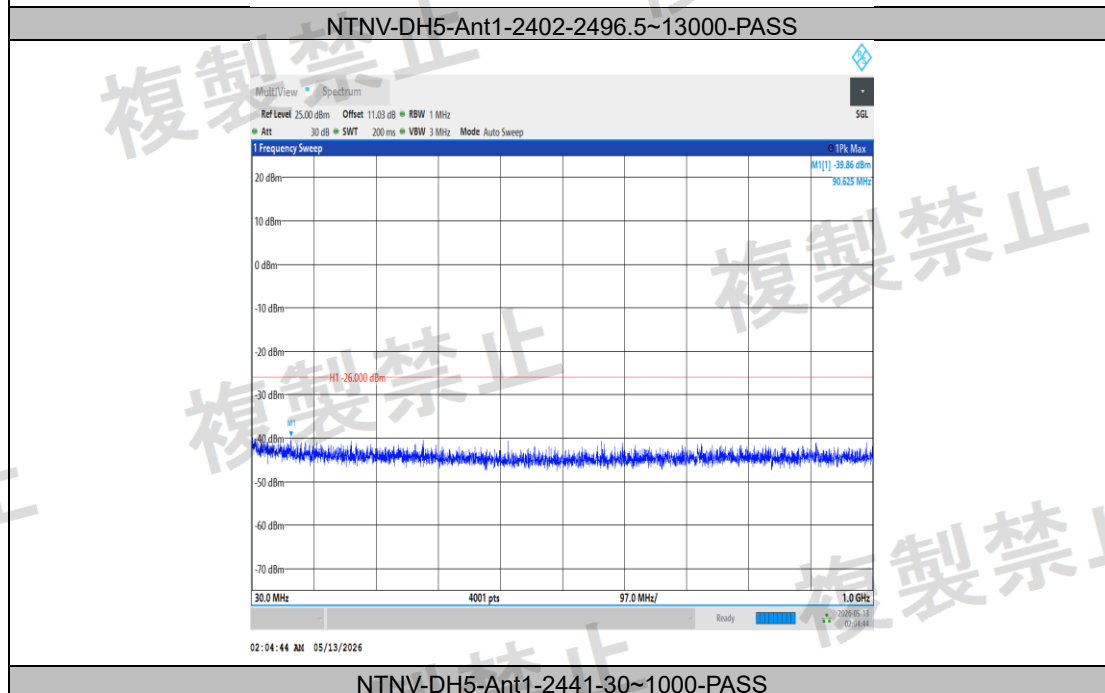
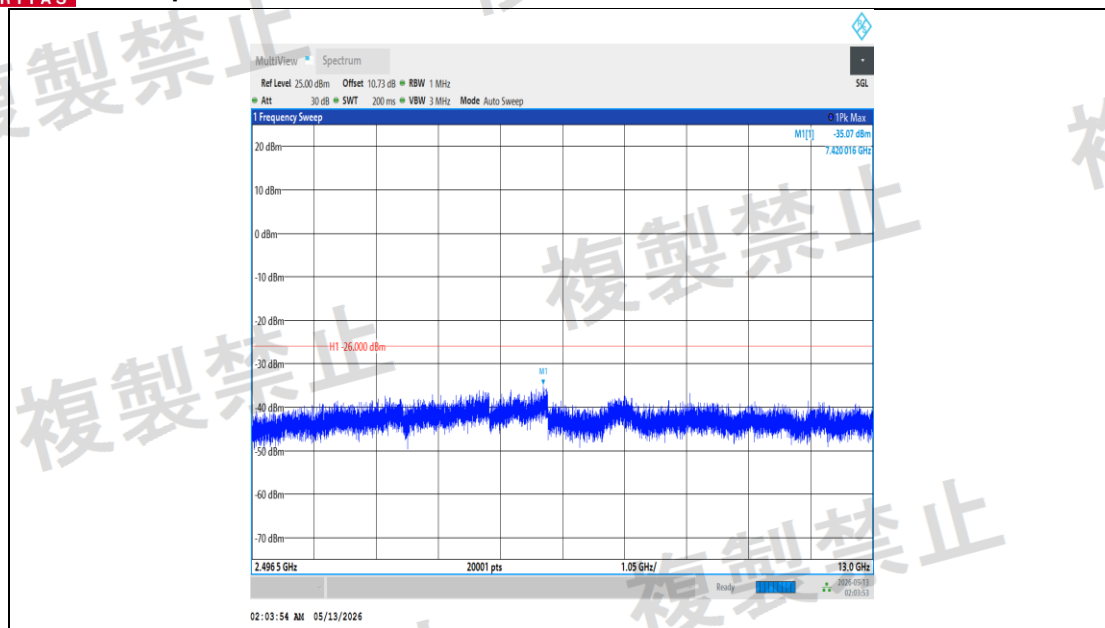
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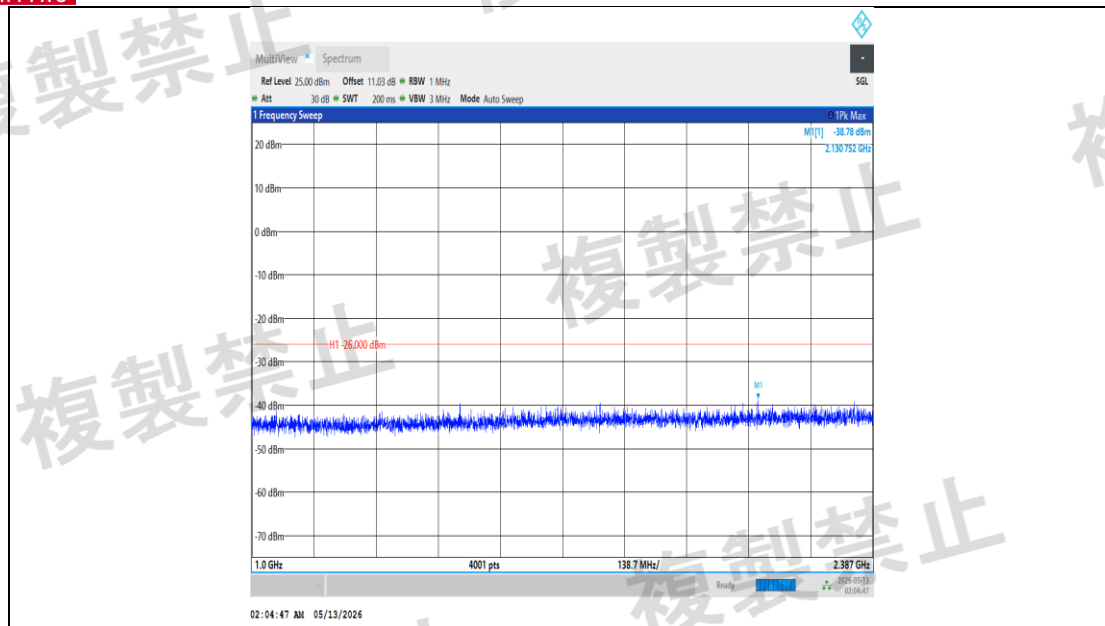
Test Report No.: PSU-NQN2605060311RJ01



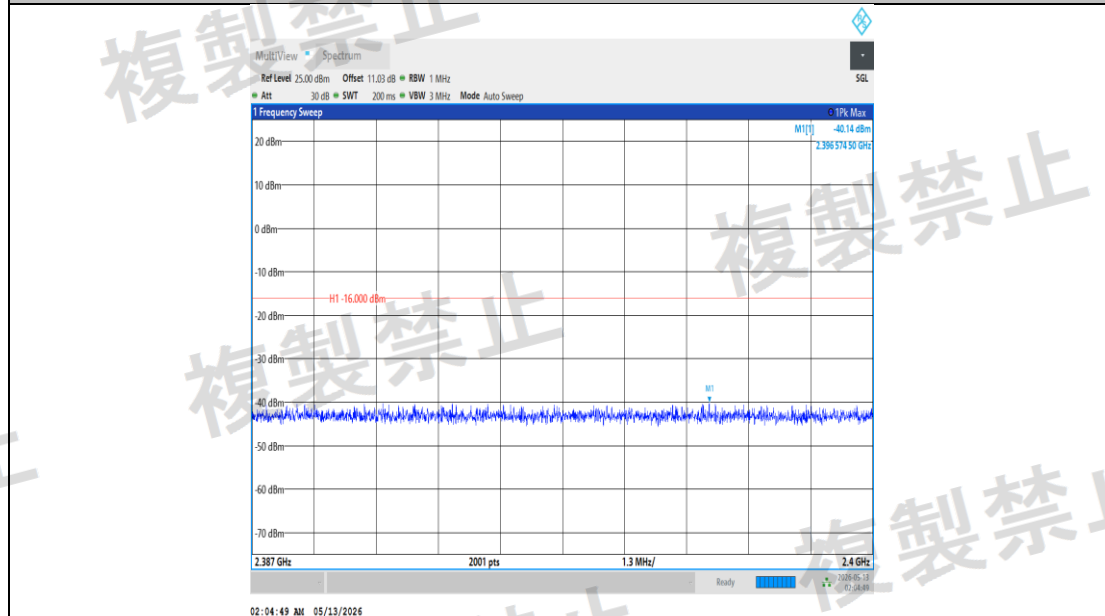


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NTNV-DH5-Ant1-2441-1000~2387-PASS

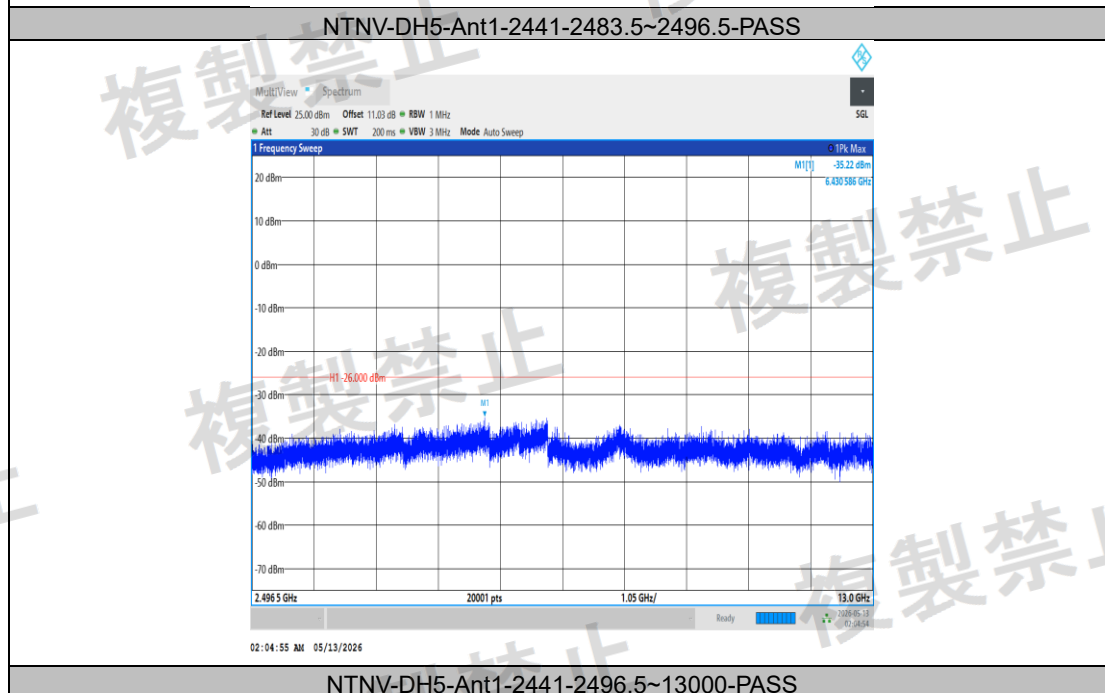
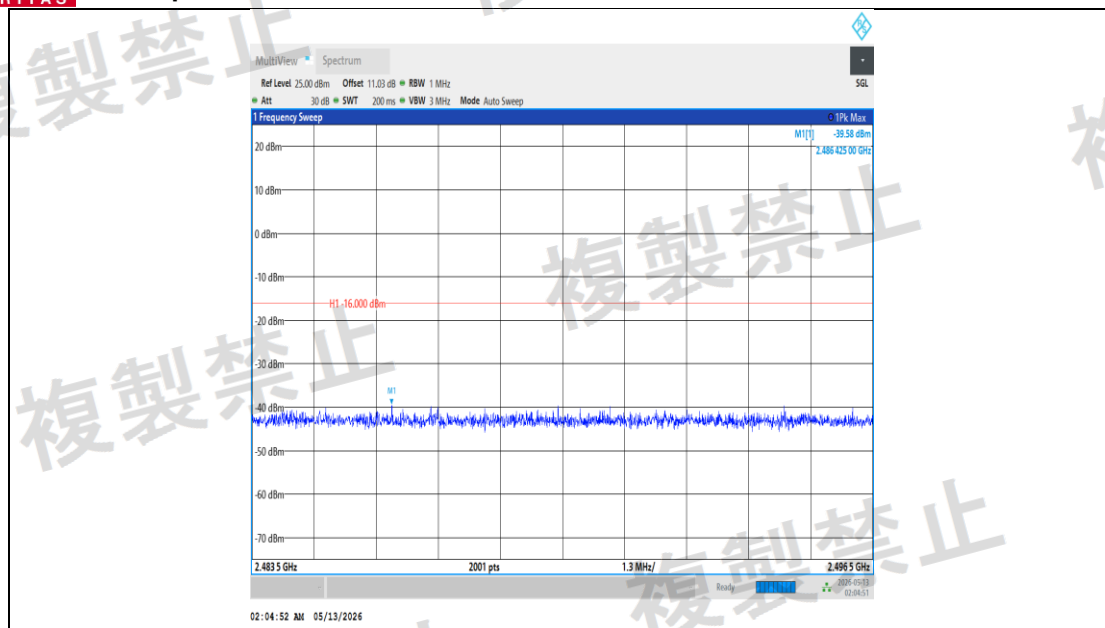


NTNV-DH5-Ant1-2441-2387~2400-PASS



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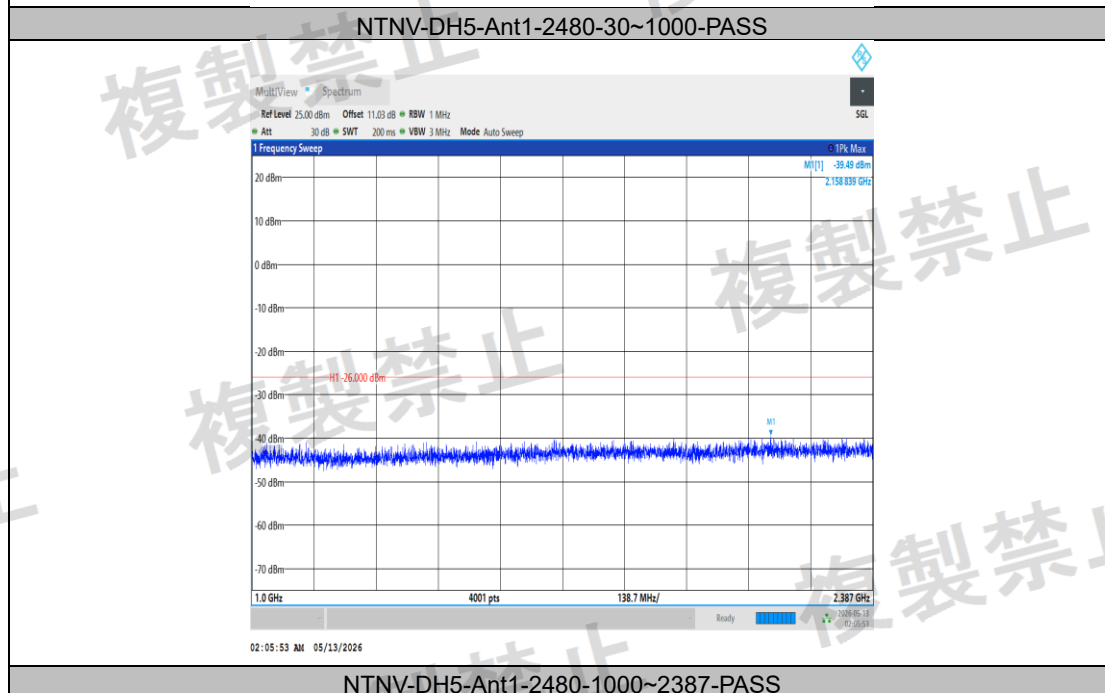
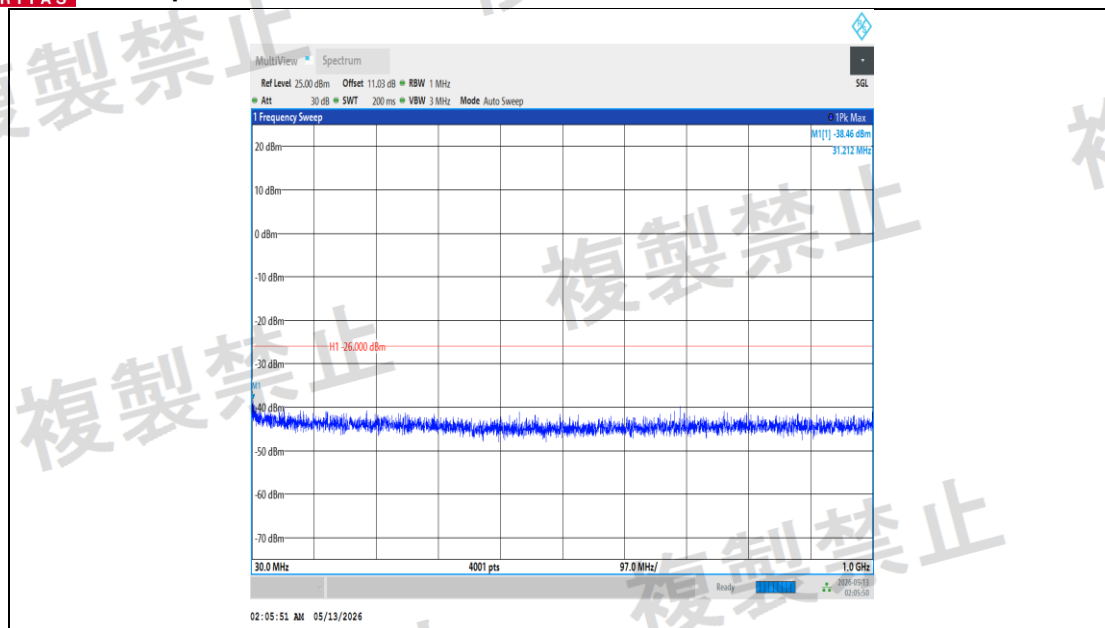
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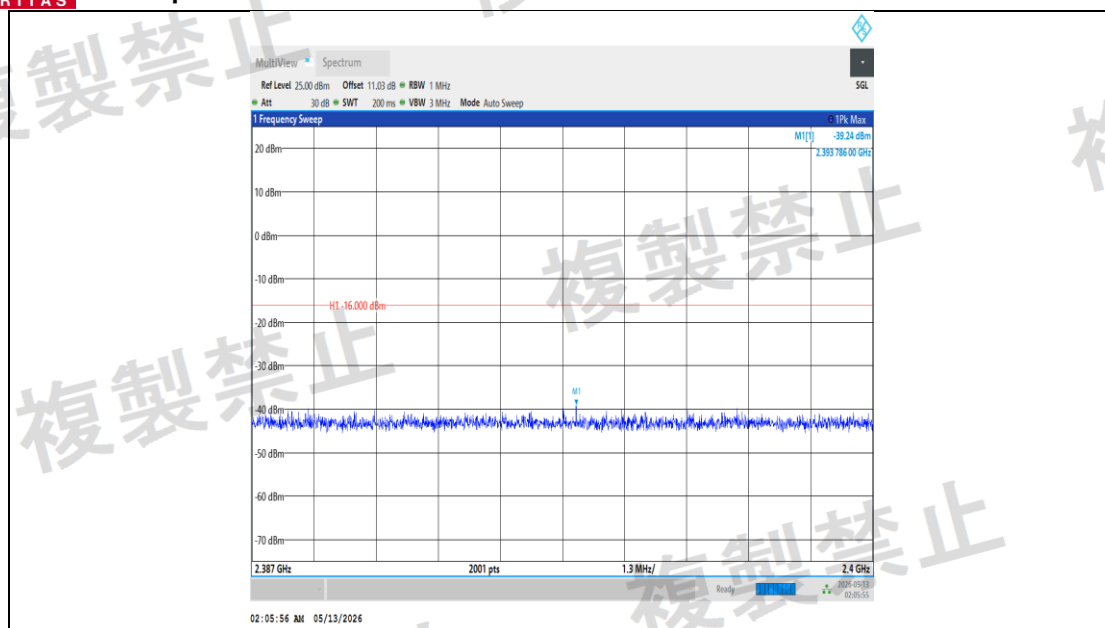
Test Report No.: PSU-NQN2605060311RJ01



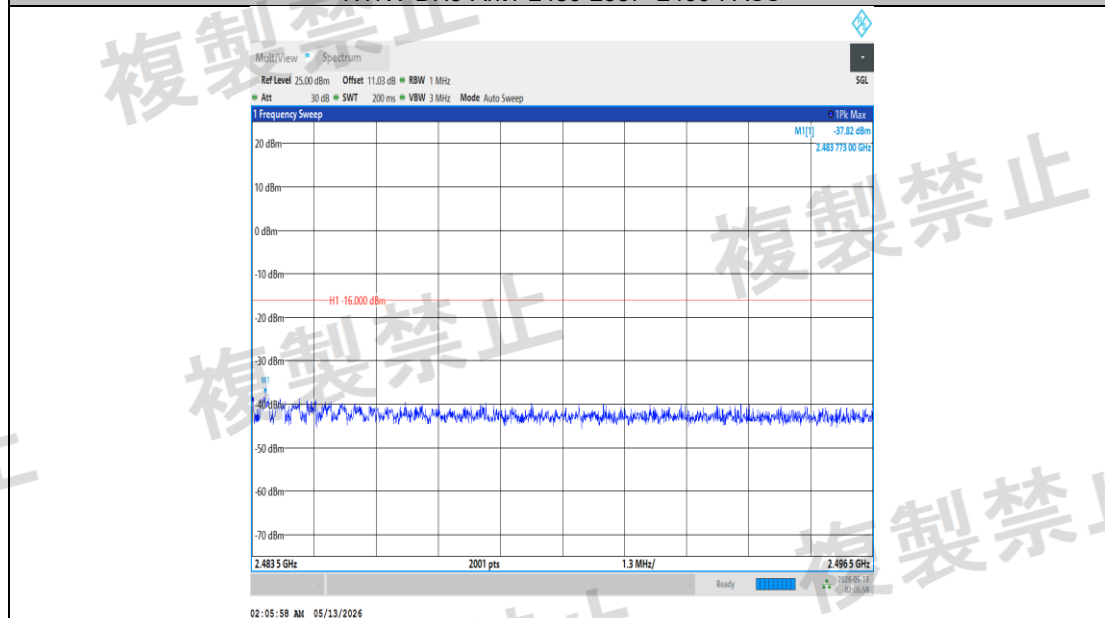


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NTNV-DH5-Ant1-2480-2387~2400-PASS

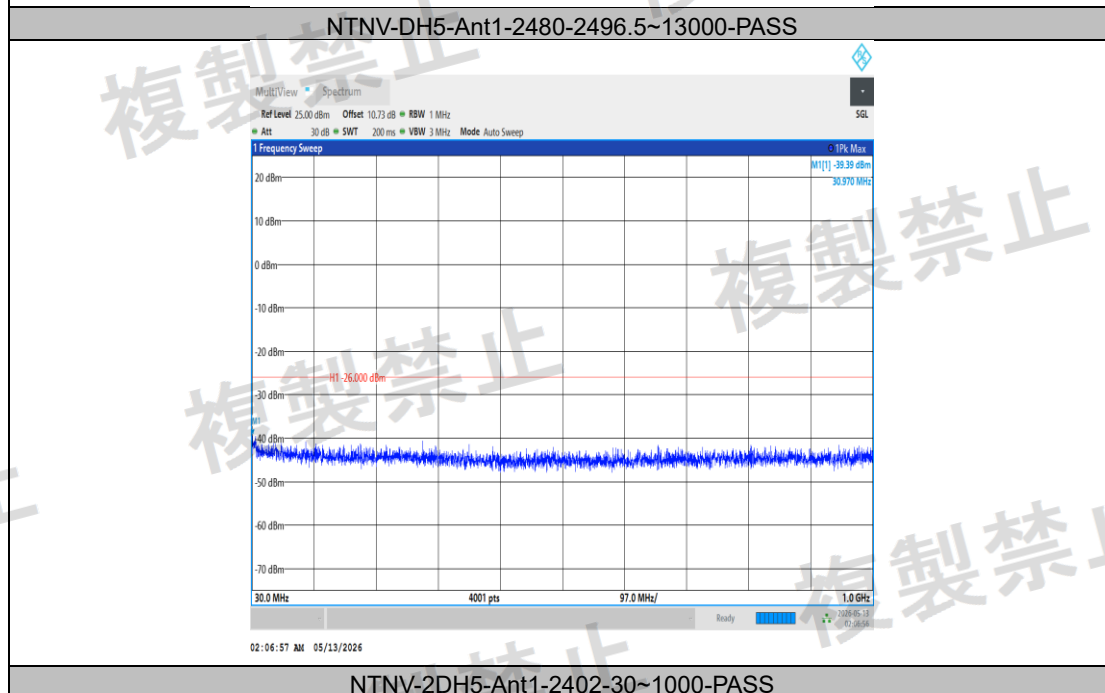
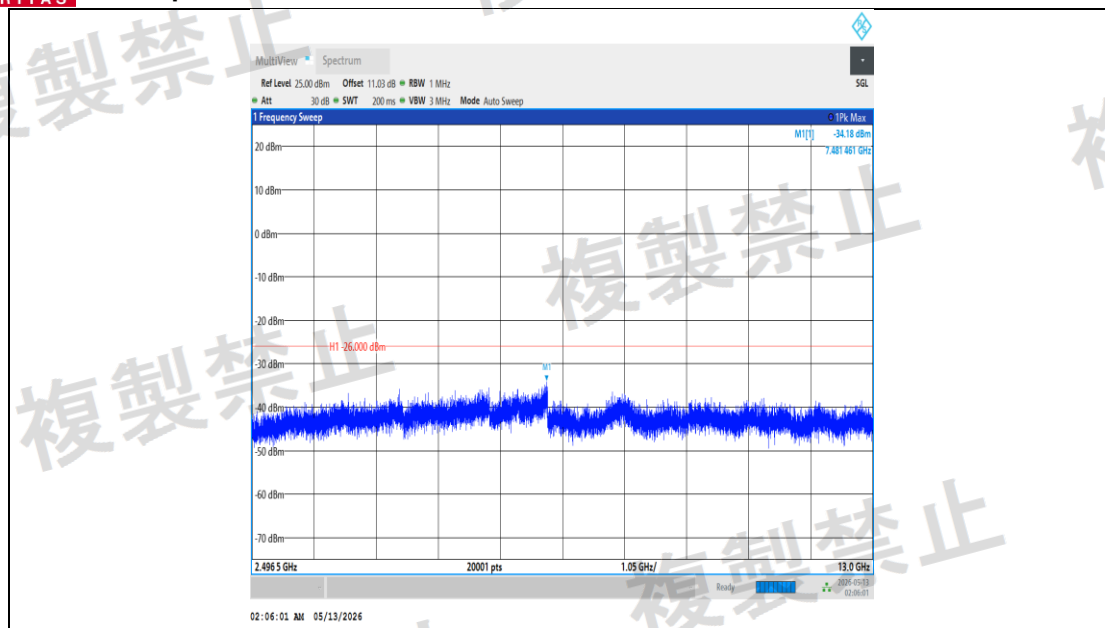


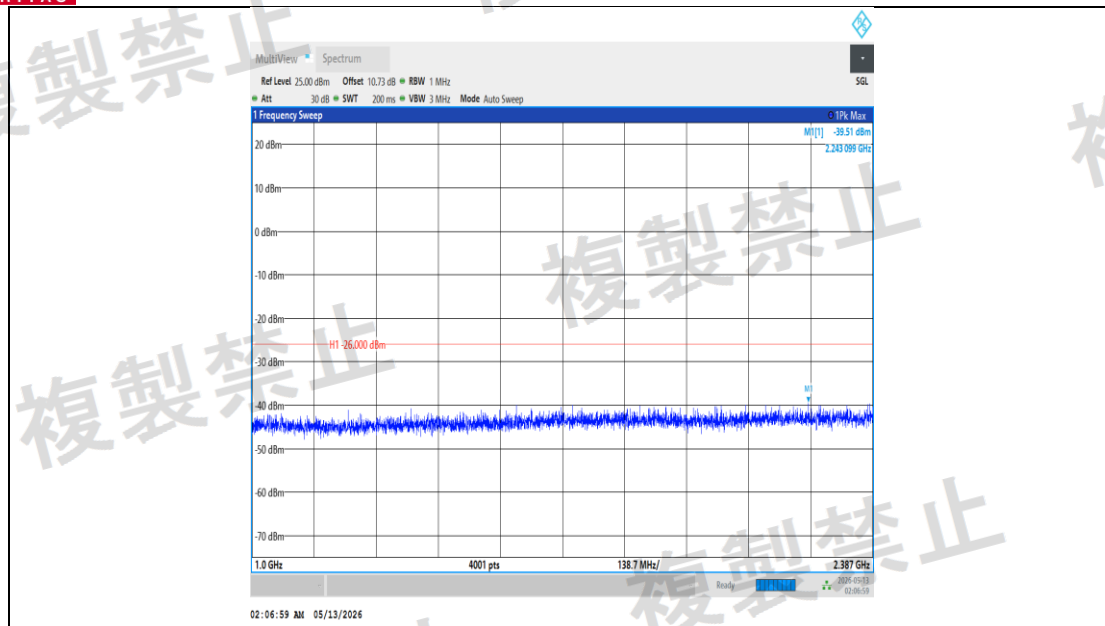
NTNV-DH5-Ant1-2480-2483.5~2496.5-PASS



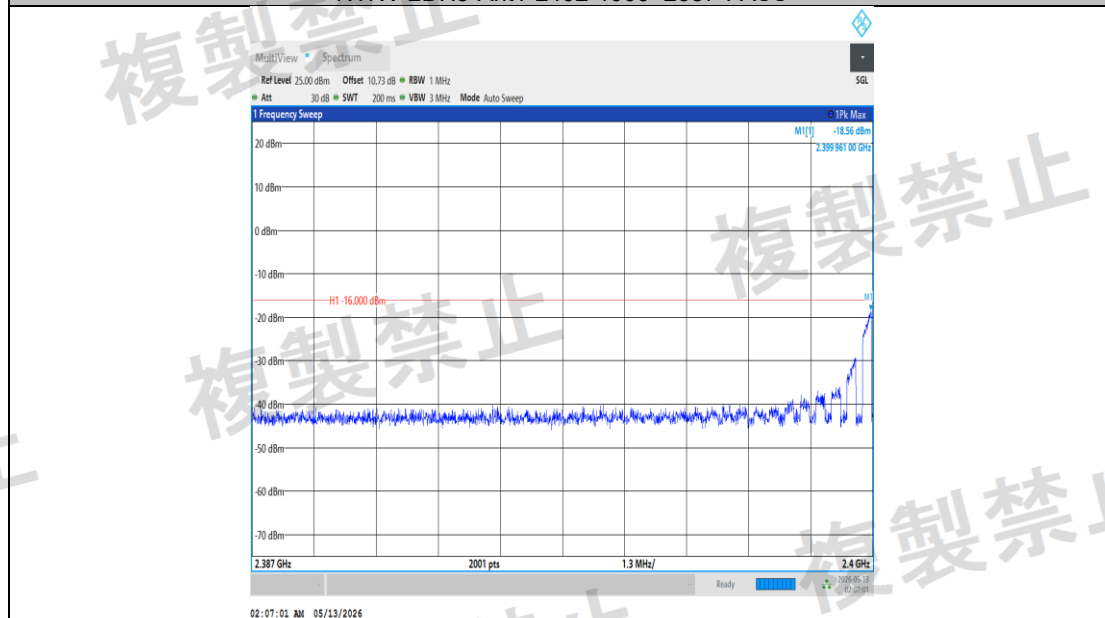
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NTNV-2DH5-Ant1-2402-1000~2387-PASS

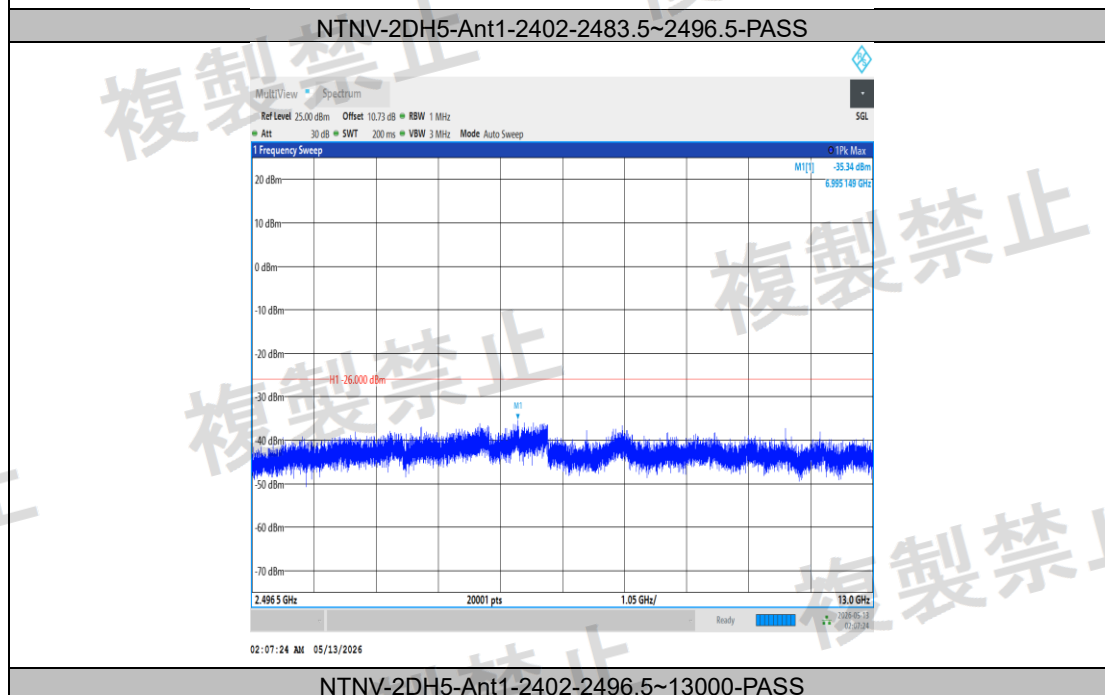
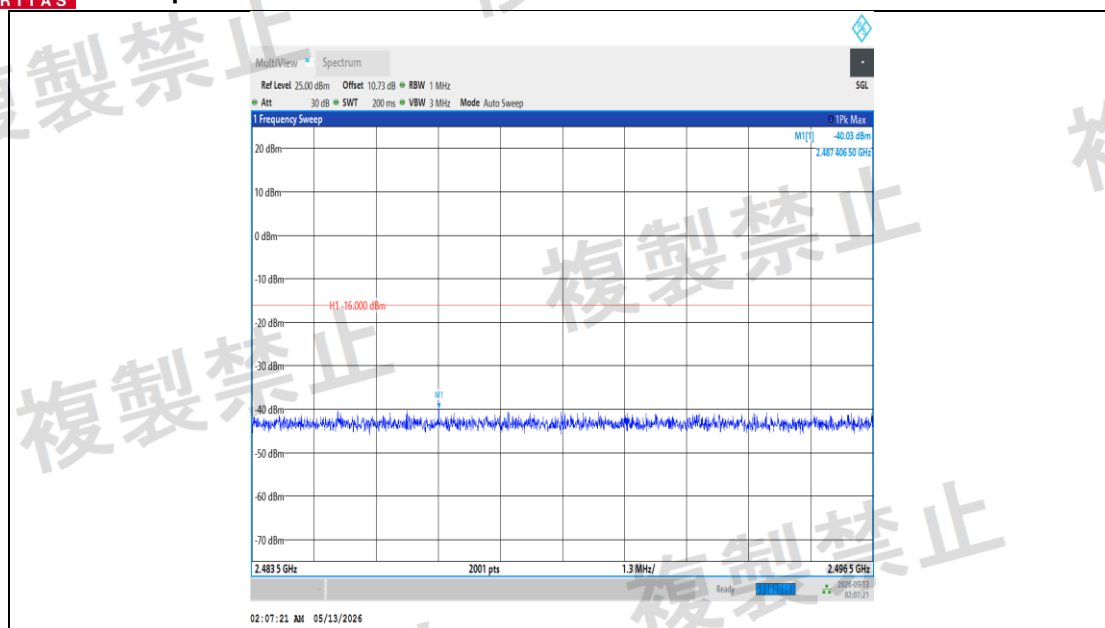


NTNV-2DH5-Ant1-2402-2387~2400-See table below



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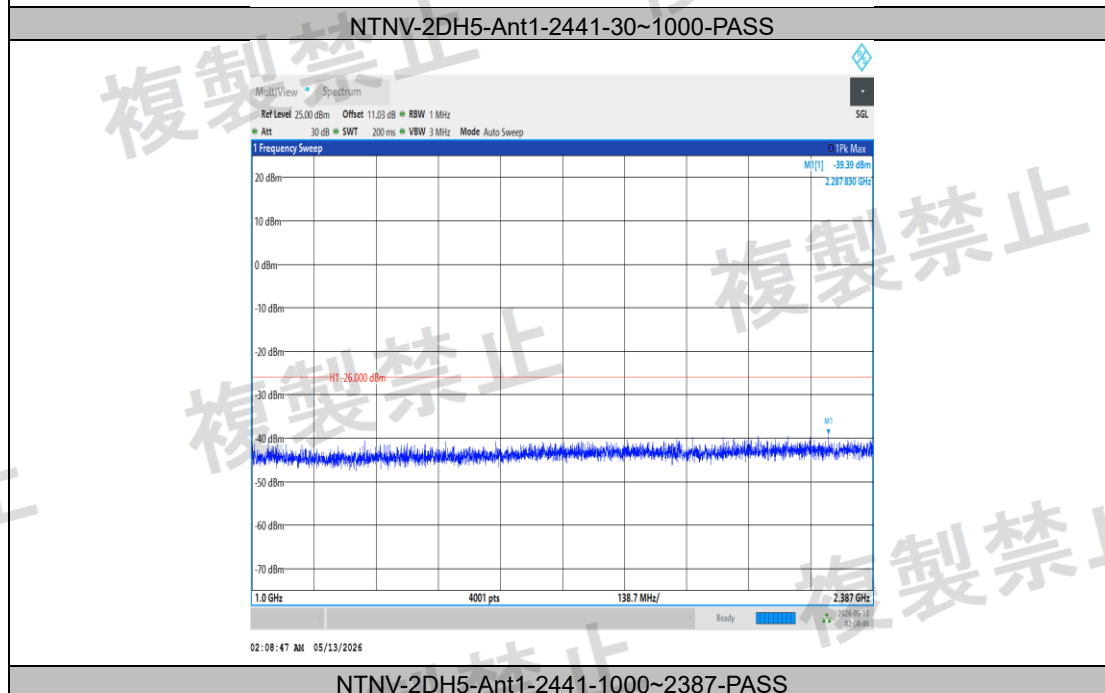
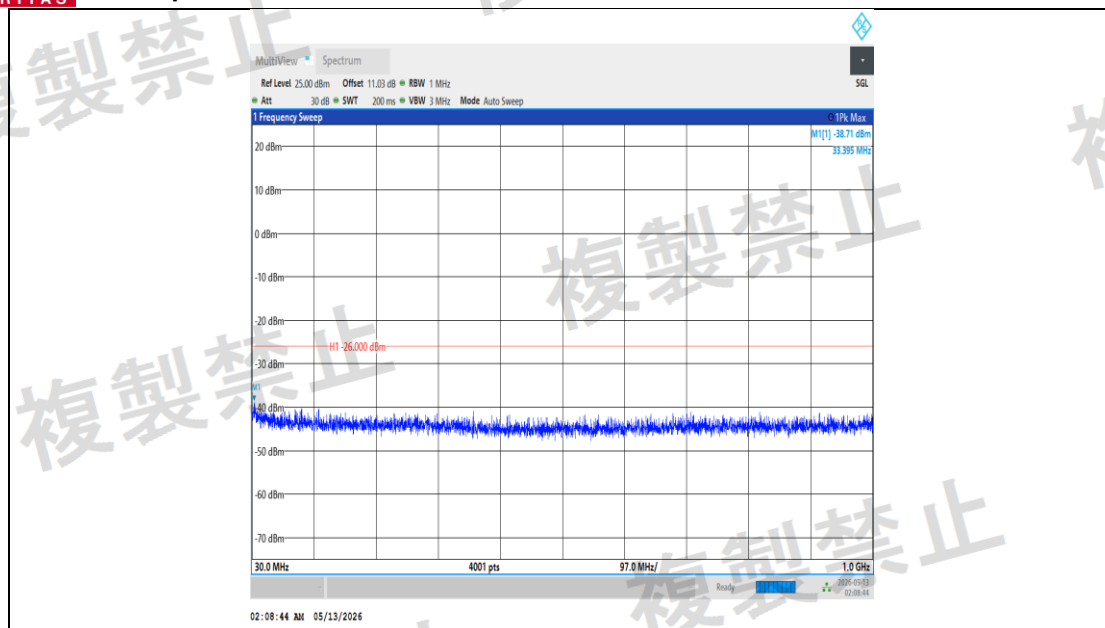
Test Report No.: PSU-NQN2605060311RJ01

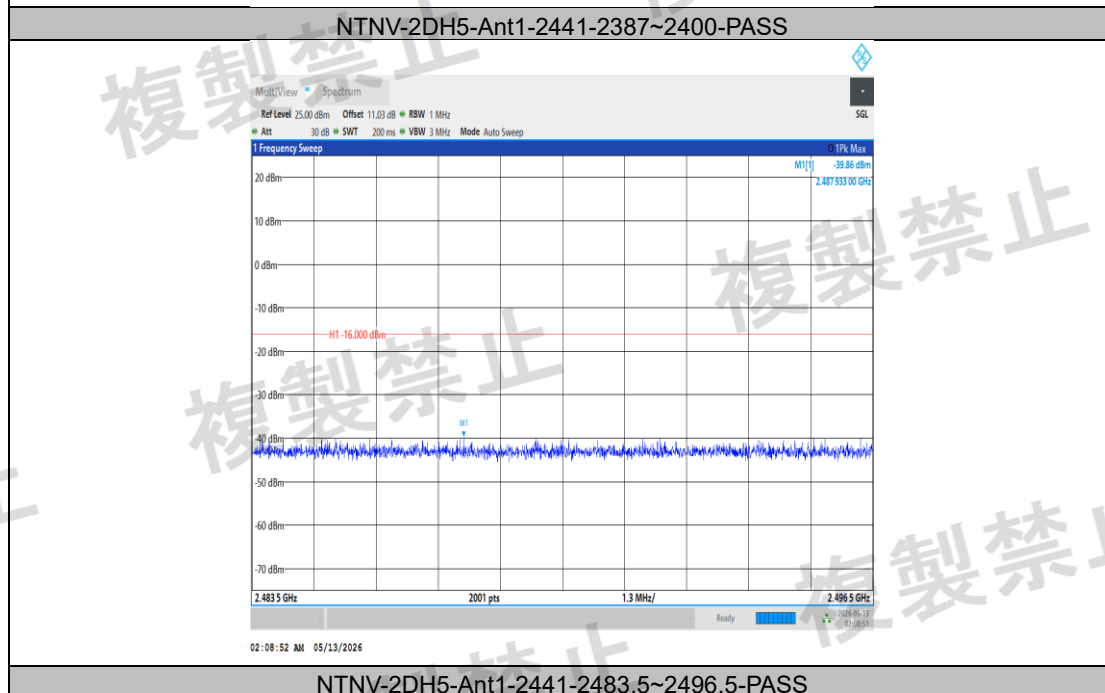
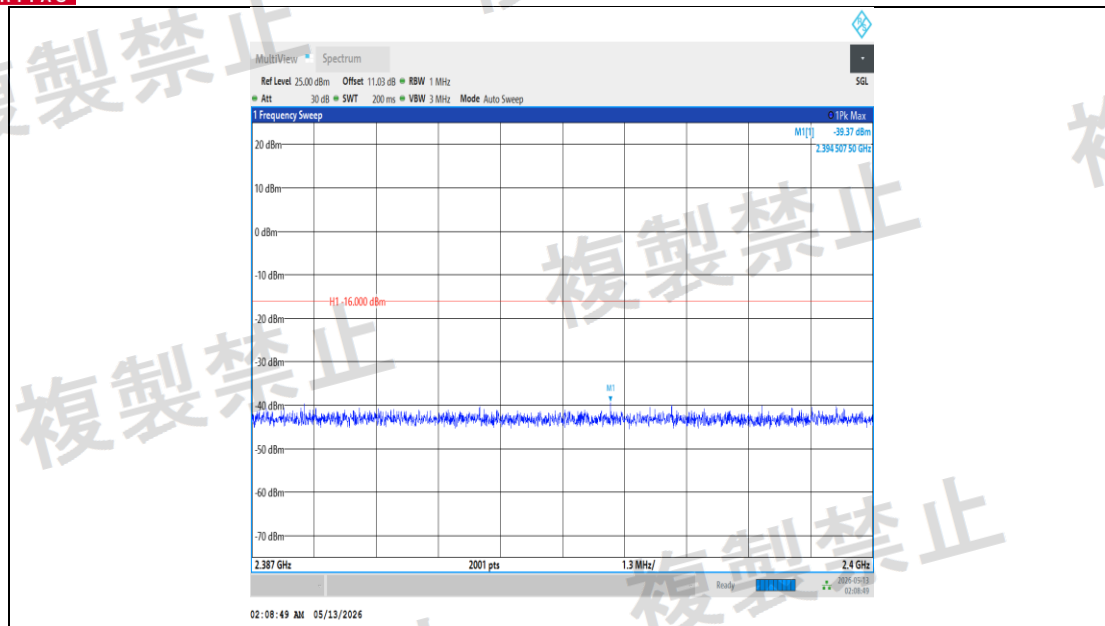




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VERITAS

Test Report No.: PSU-NQN2605060311RJ01

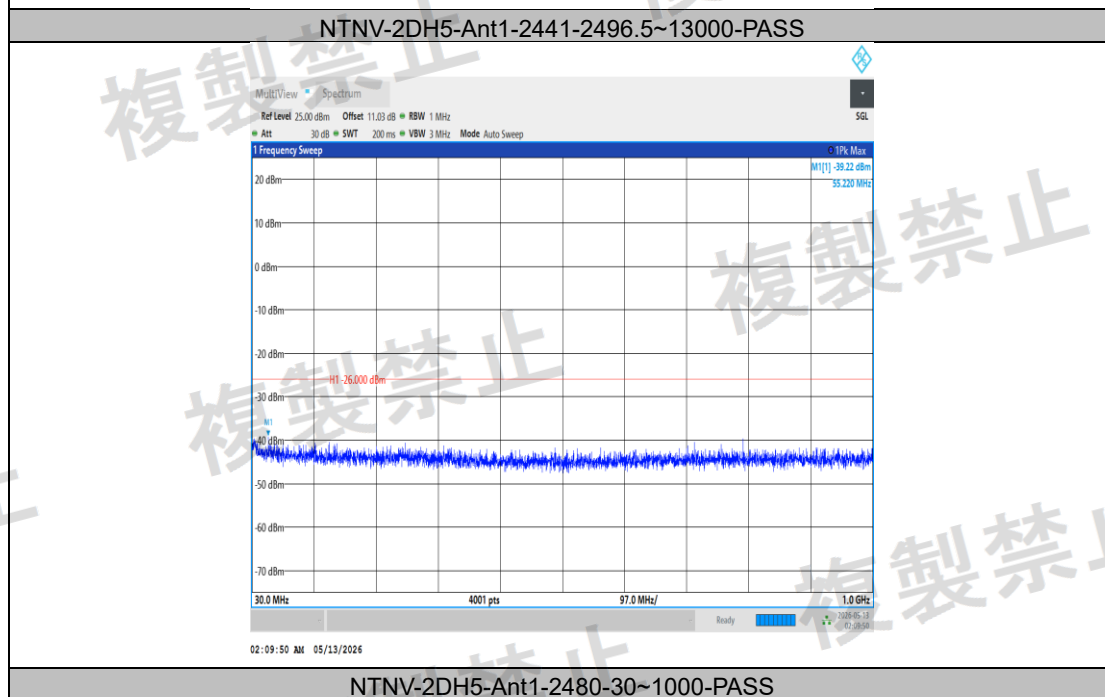
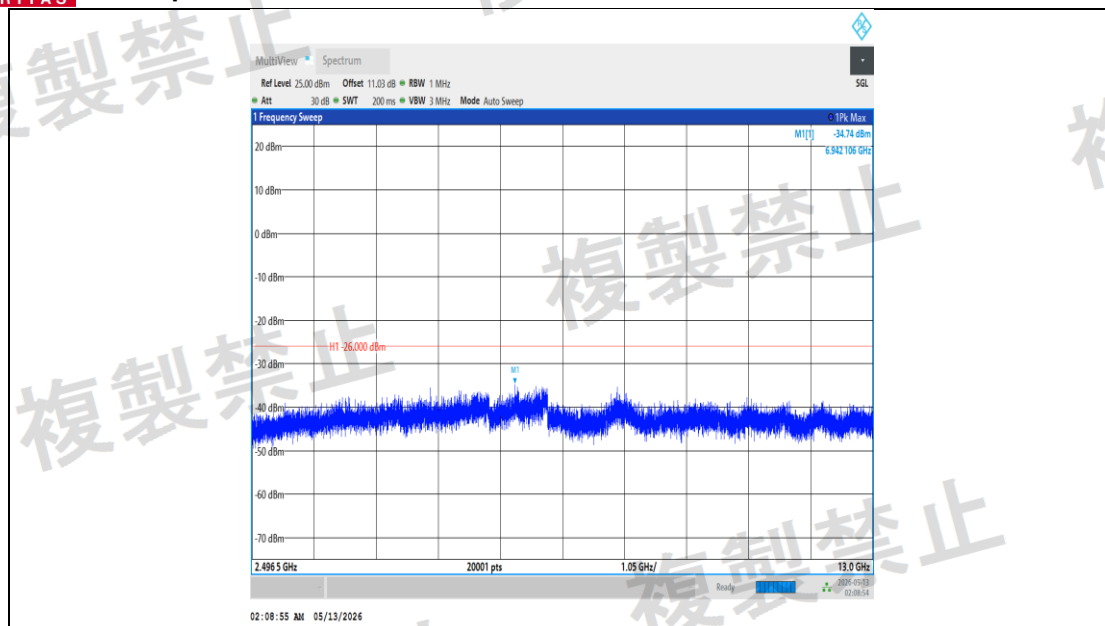






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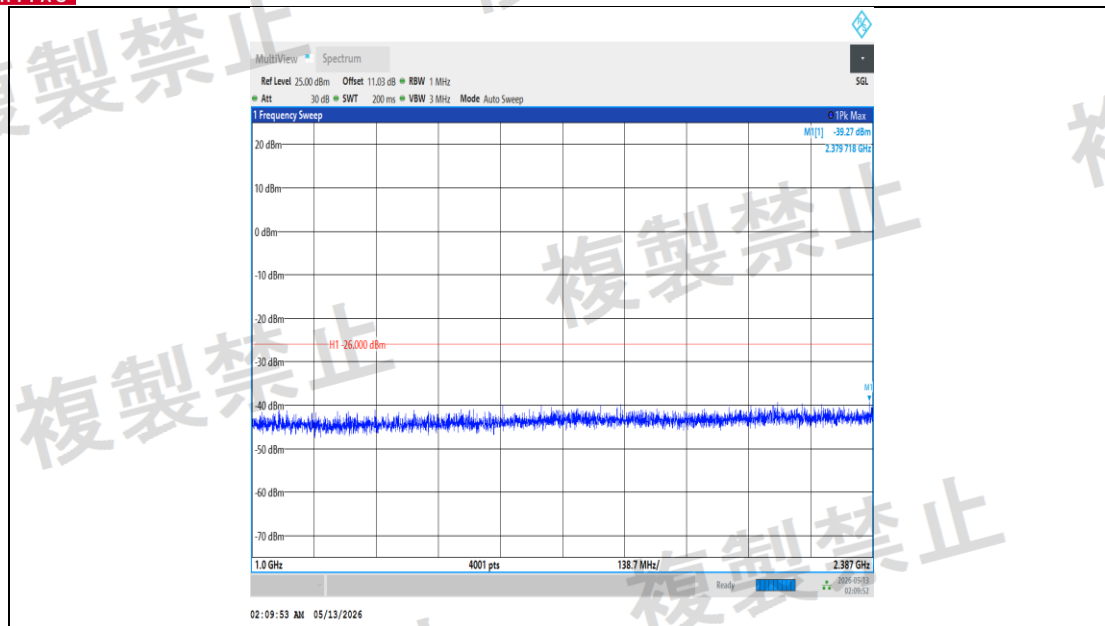
Test Report No.: PSU-NQN2605060311RJ01



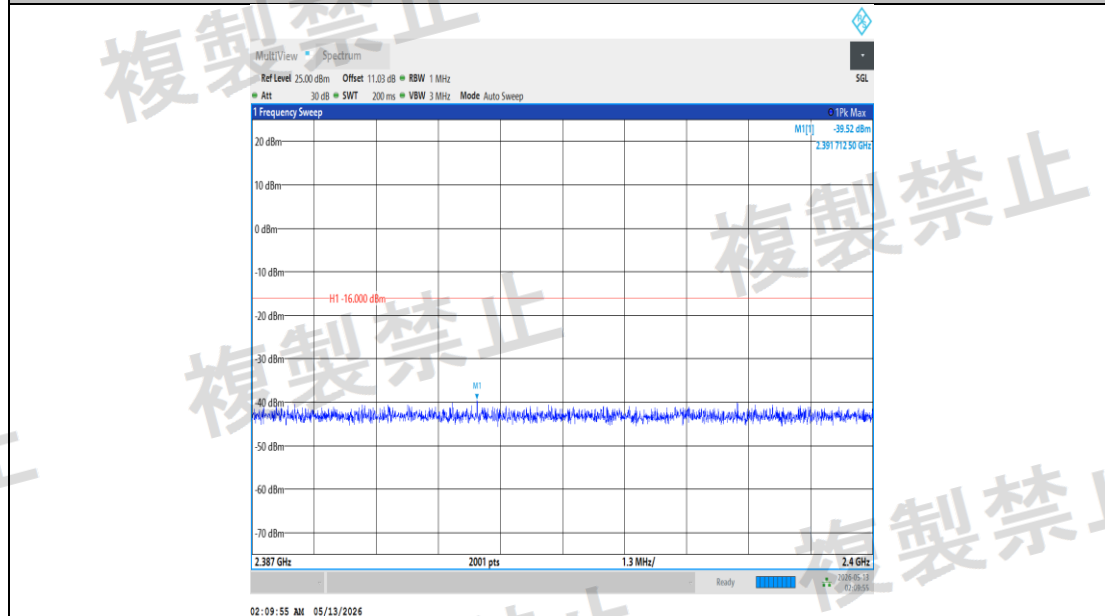


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTVN-2DH5-Ant1-2480-1000~2387-PASS

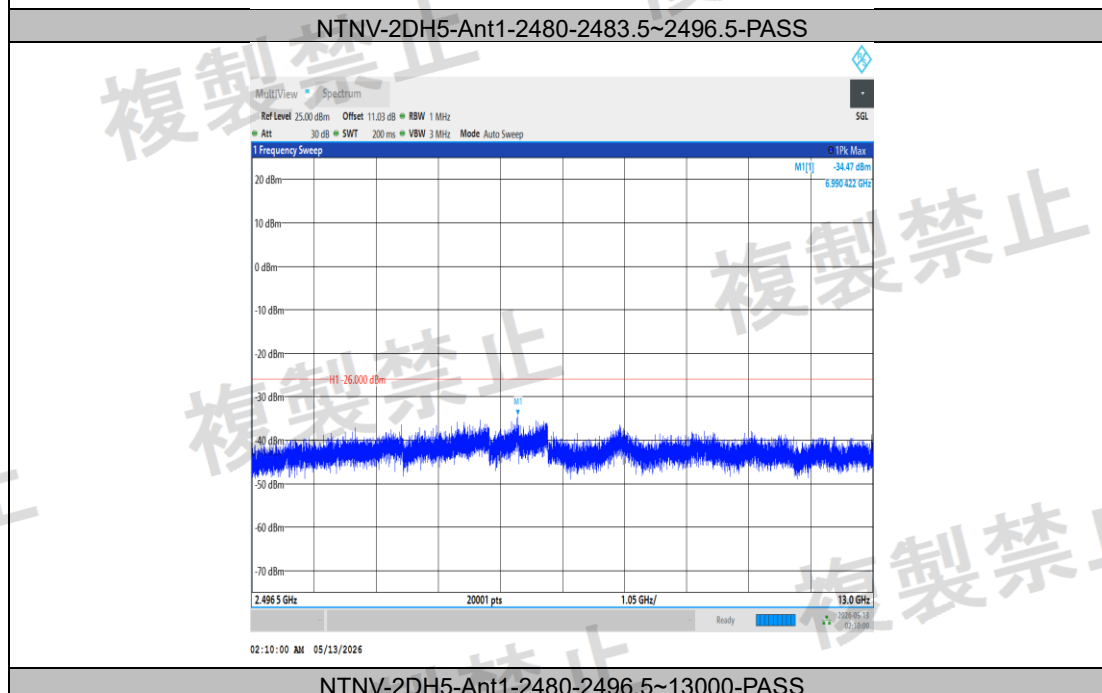
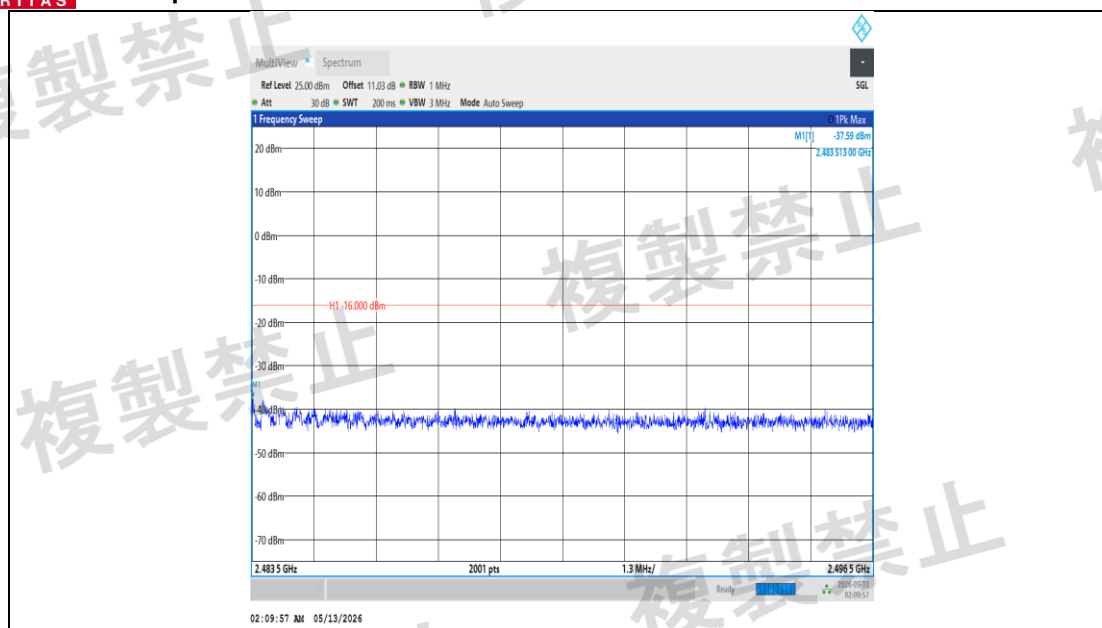


NTVN-2DH5-Ant1-2480-2387~2400-PASS



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VERITAS

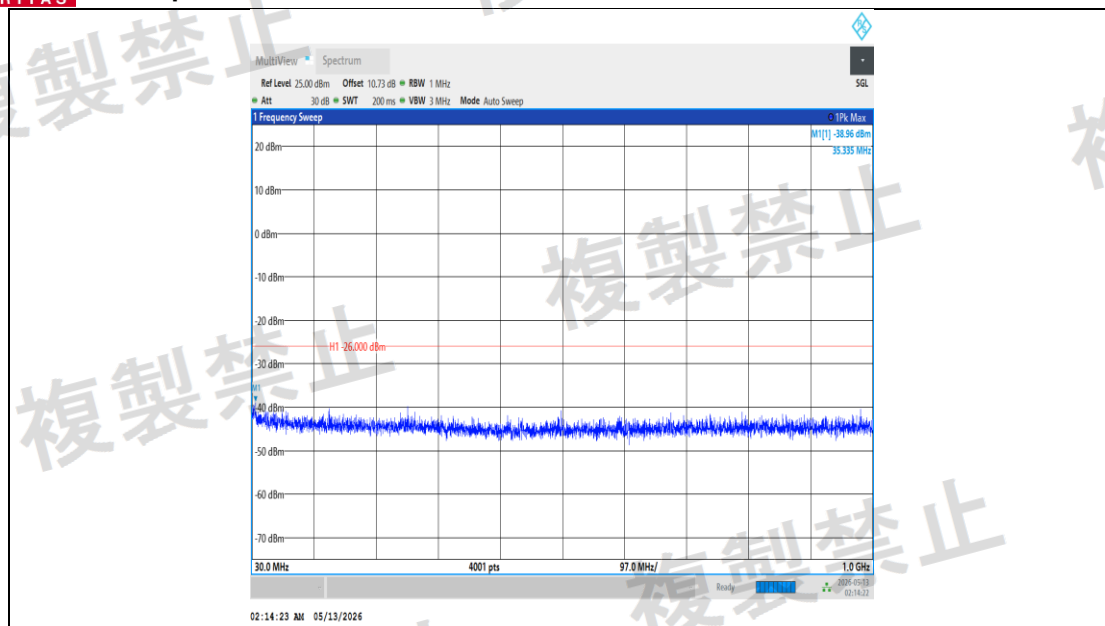
Test Report No.: PSU-NQN2605060311RJ01



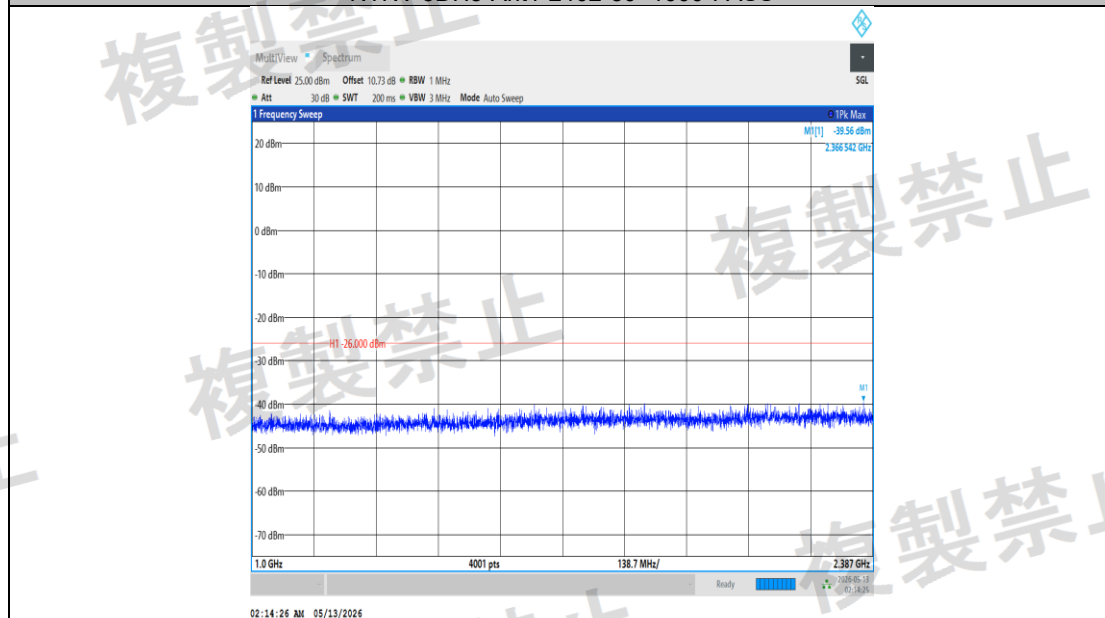


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VERITAS

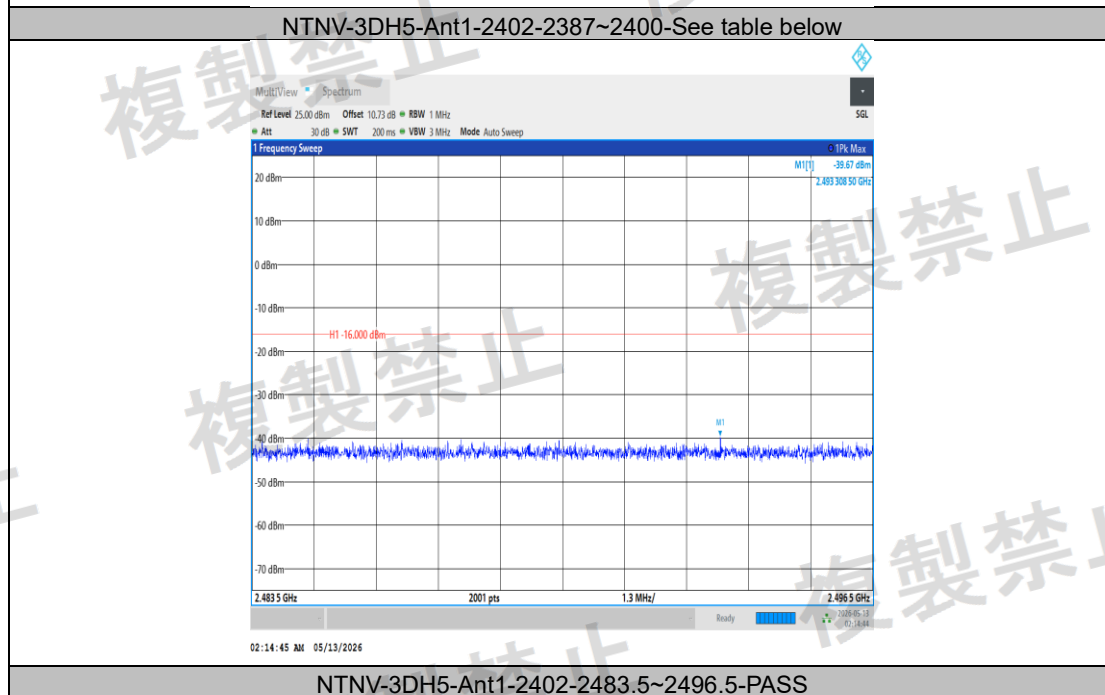
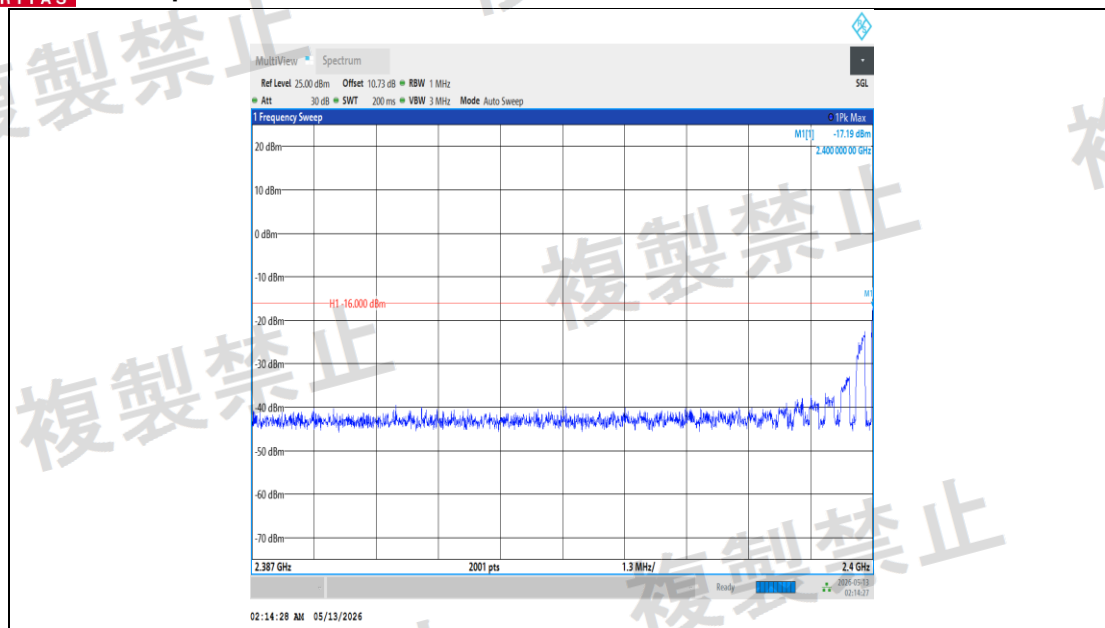
Test Report No.: PSU-NQN2605060311RJ01



NTNV-3DH5-Ant1-2402-30~1000-PASS



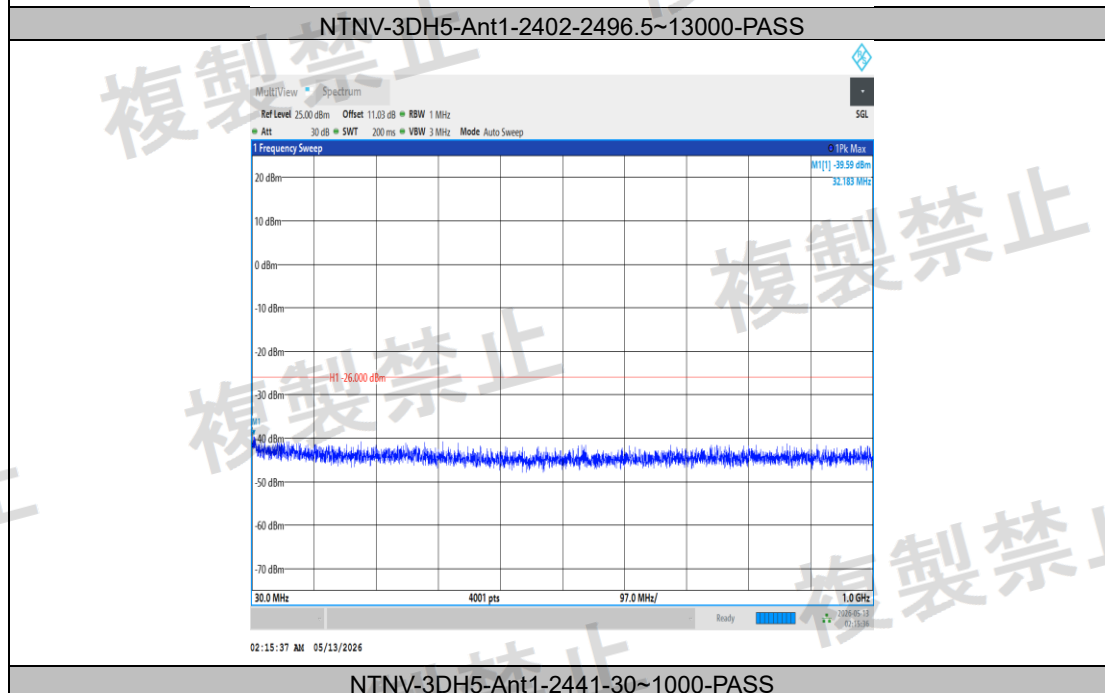
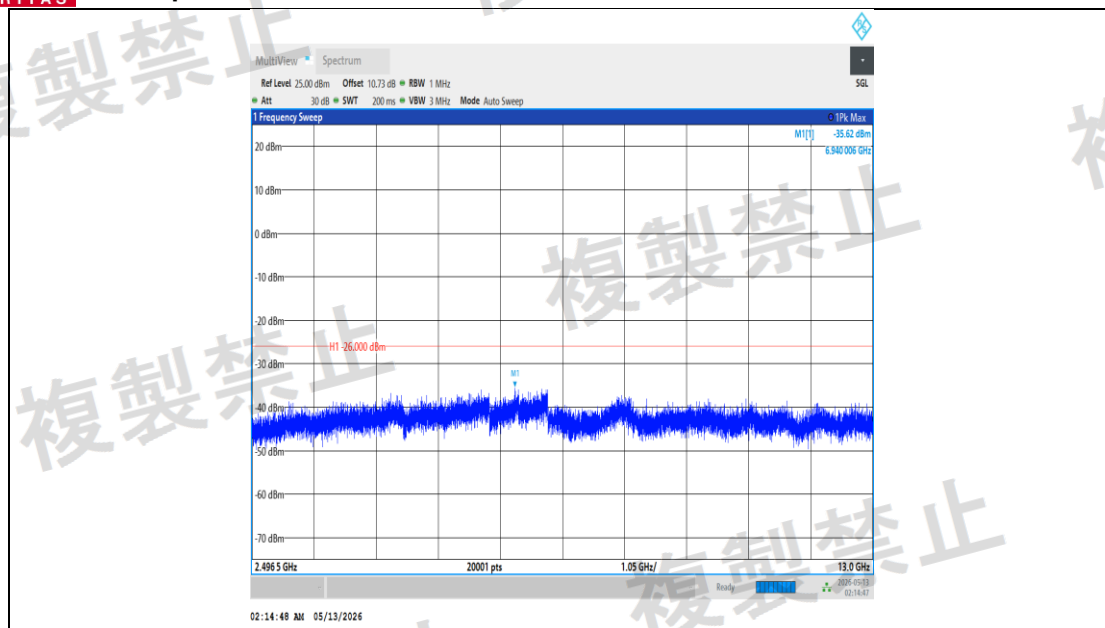
NTNV-3DH5-Ant1-2402-1000~2387-PASS





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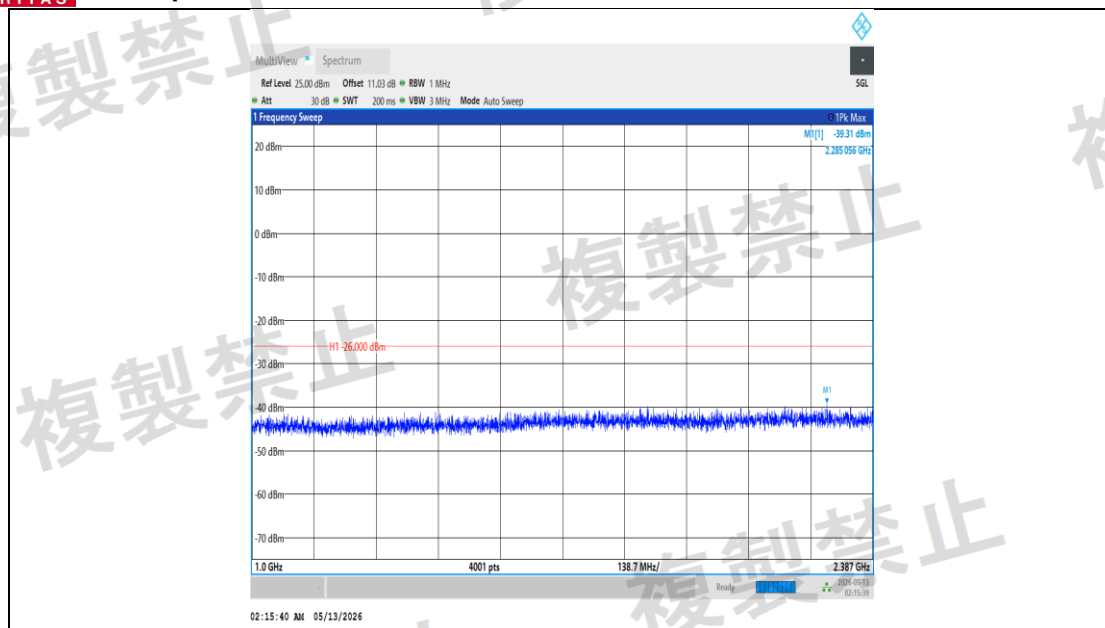
Test Report No.: PSU-NQN2605060311RJ01



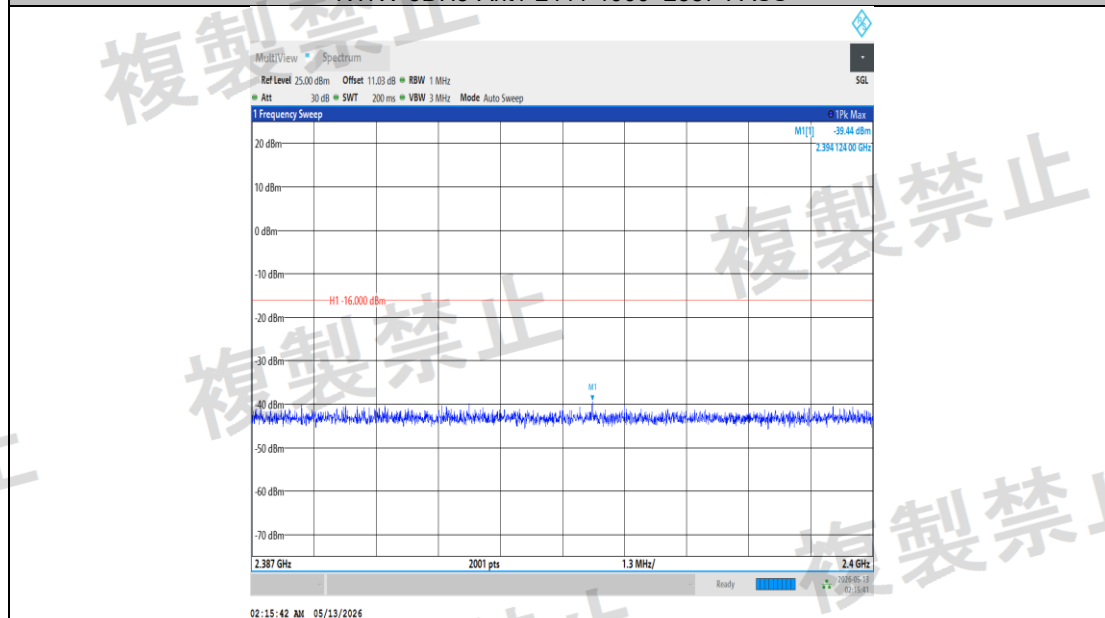


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-3DH5-Ant1-2441-1000~2387-PASS

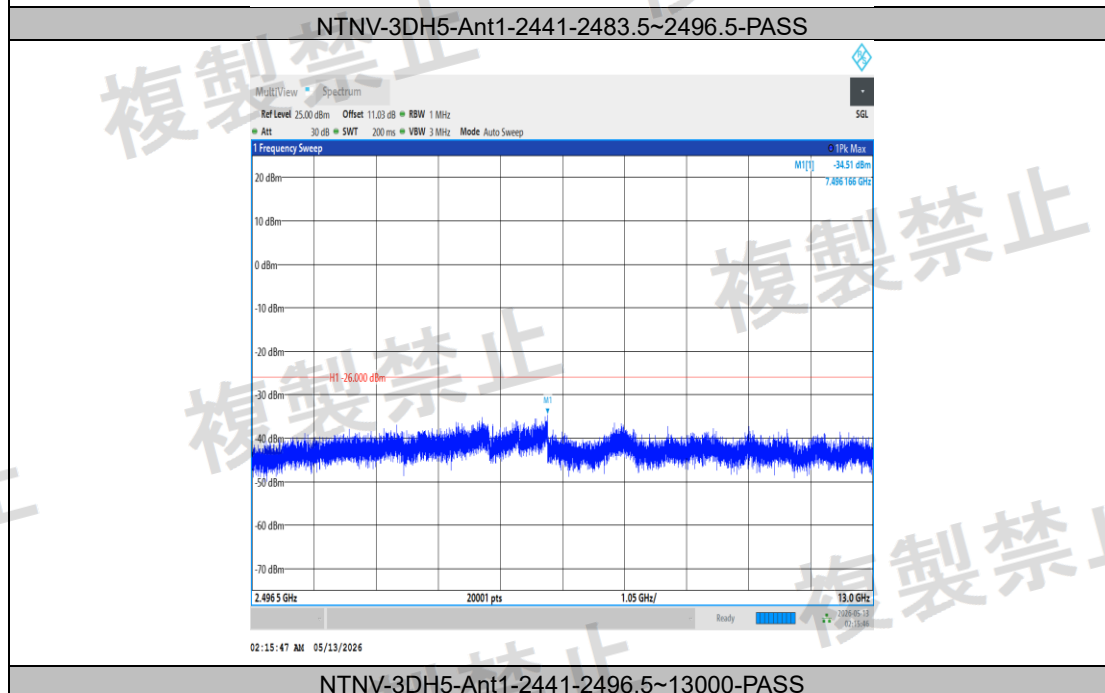
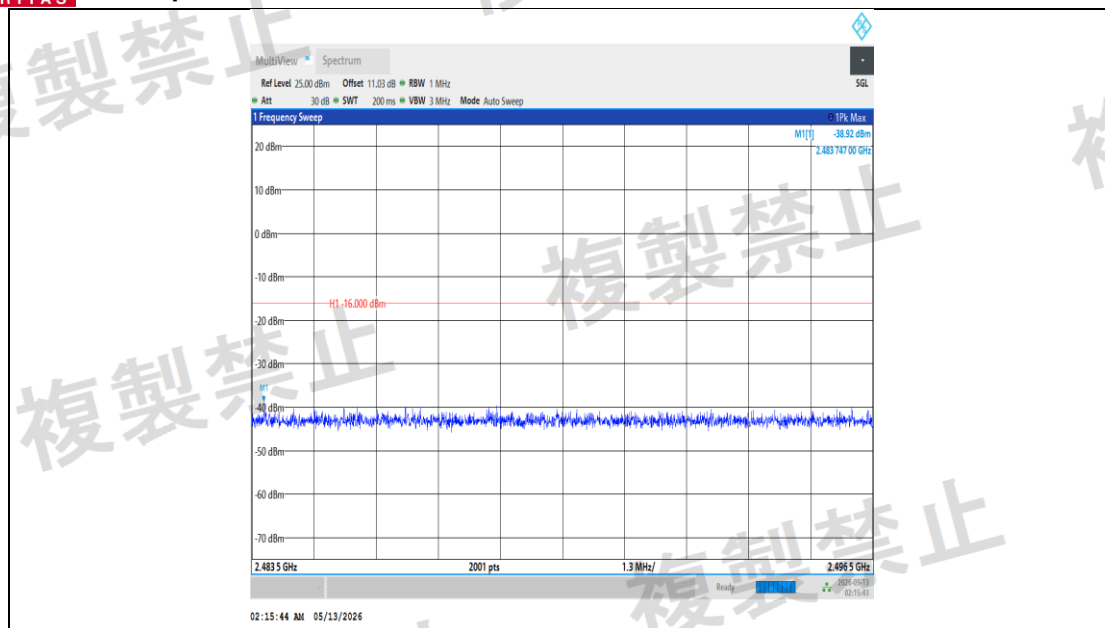


NTNV-3DH5-Ant1-2441-2387~2400-PASS



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VERITAS

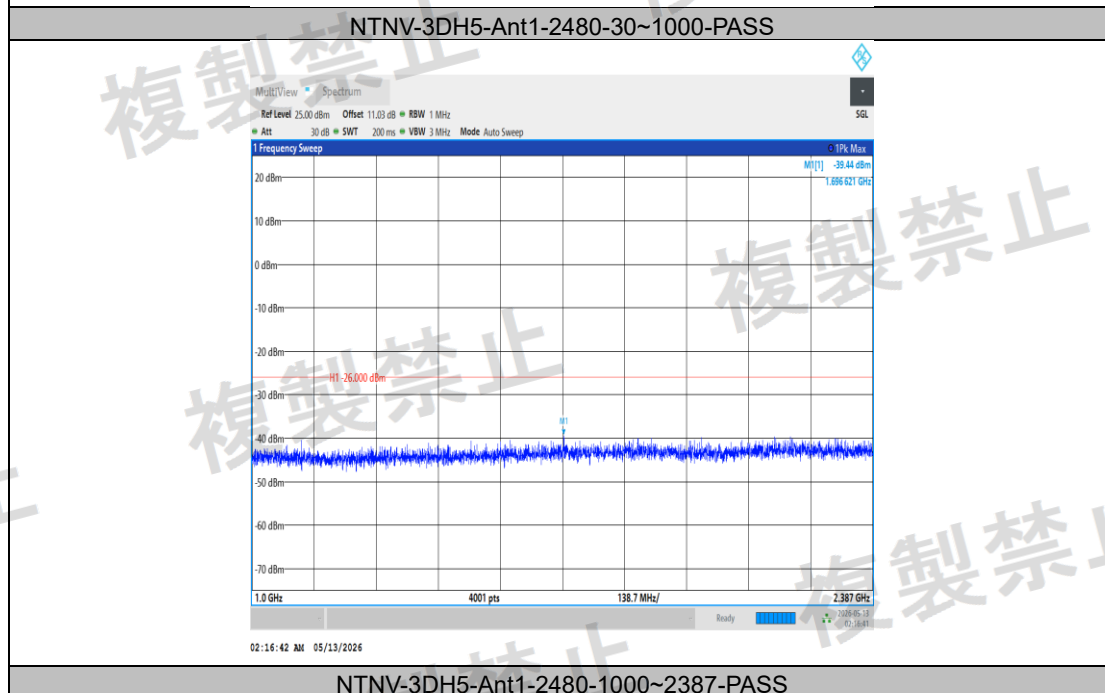
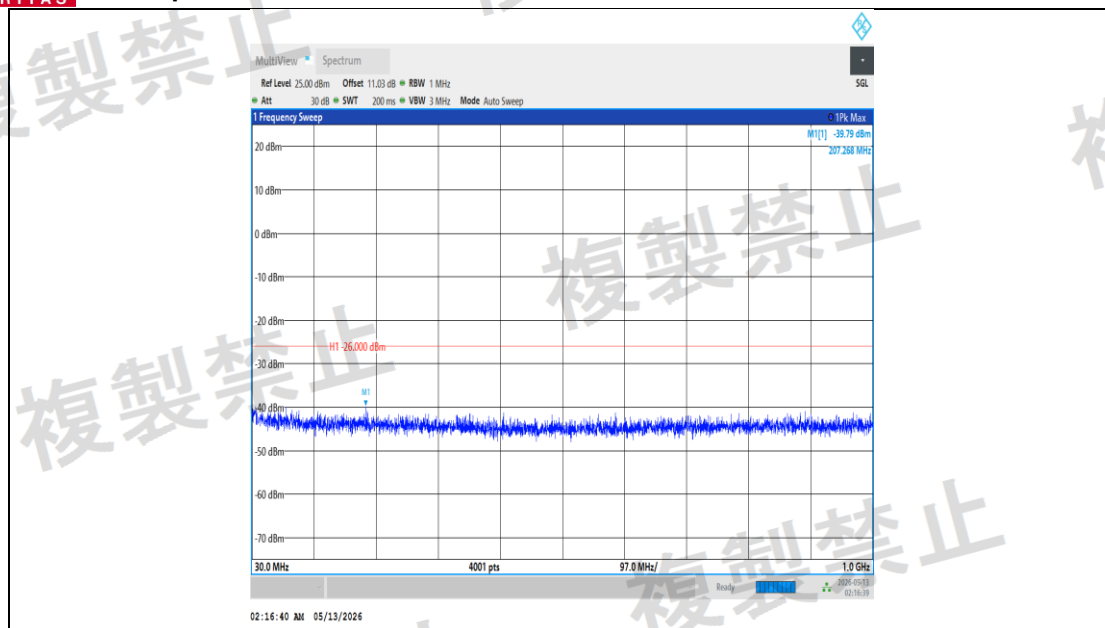
Test Report No.: PSU-NQN2605060311RJ01





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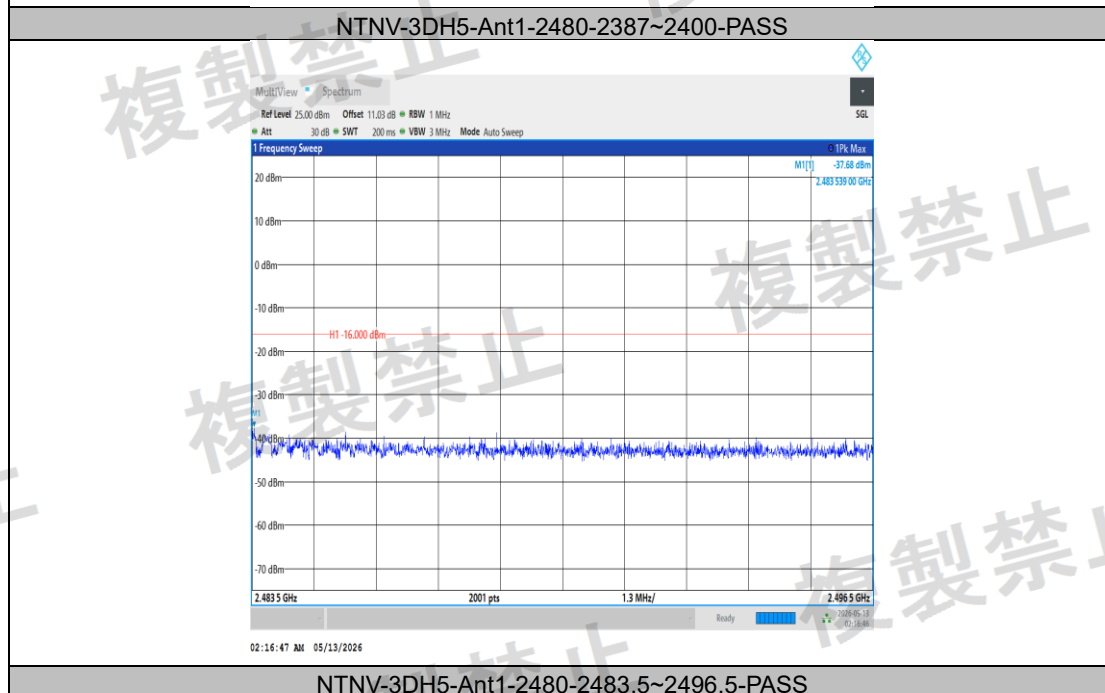
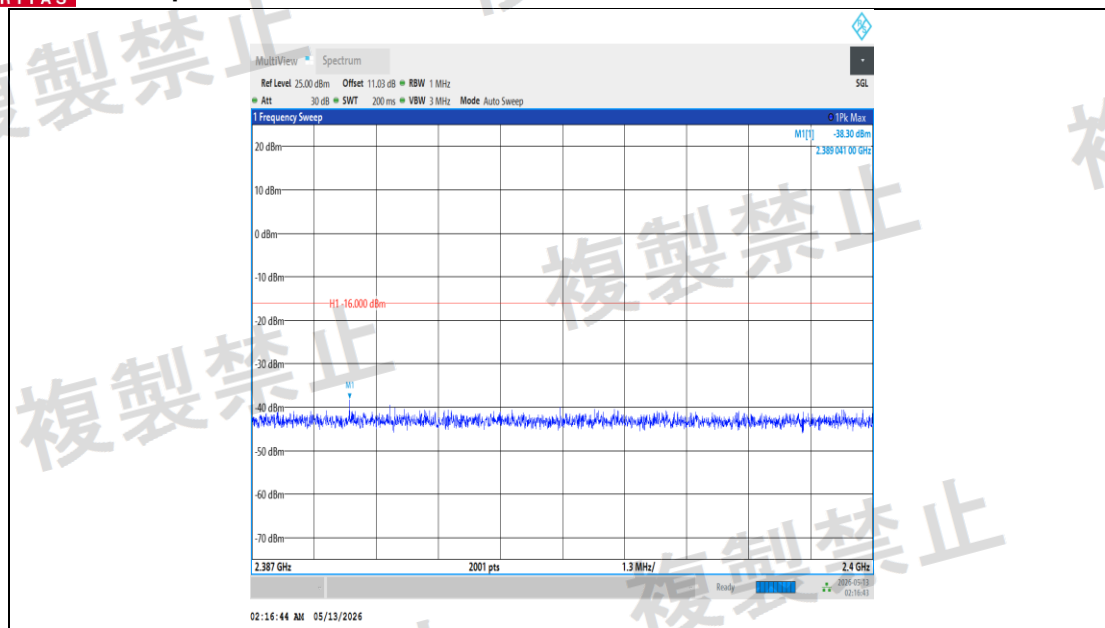
Test Report No.: PSU-NQN2605060311RJ01





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VERITAS

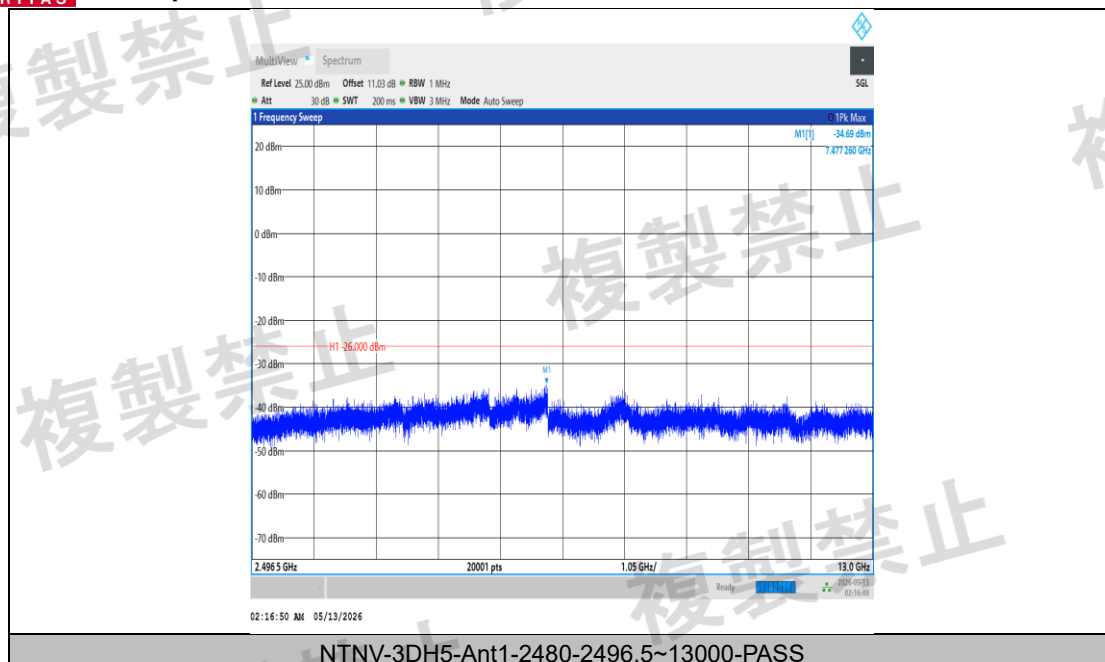
Test Report No.: PSU-NQN2605060311RJ01





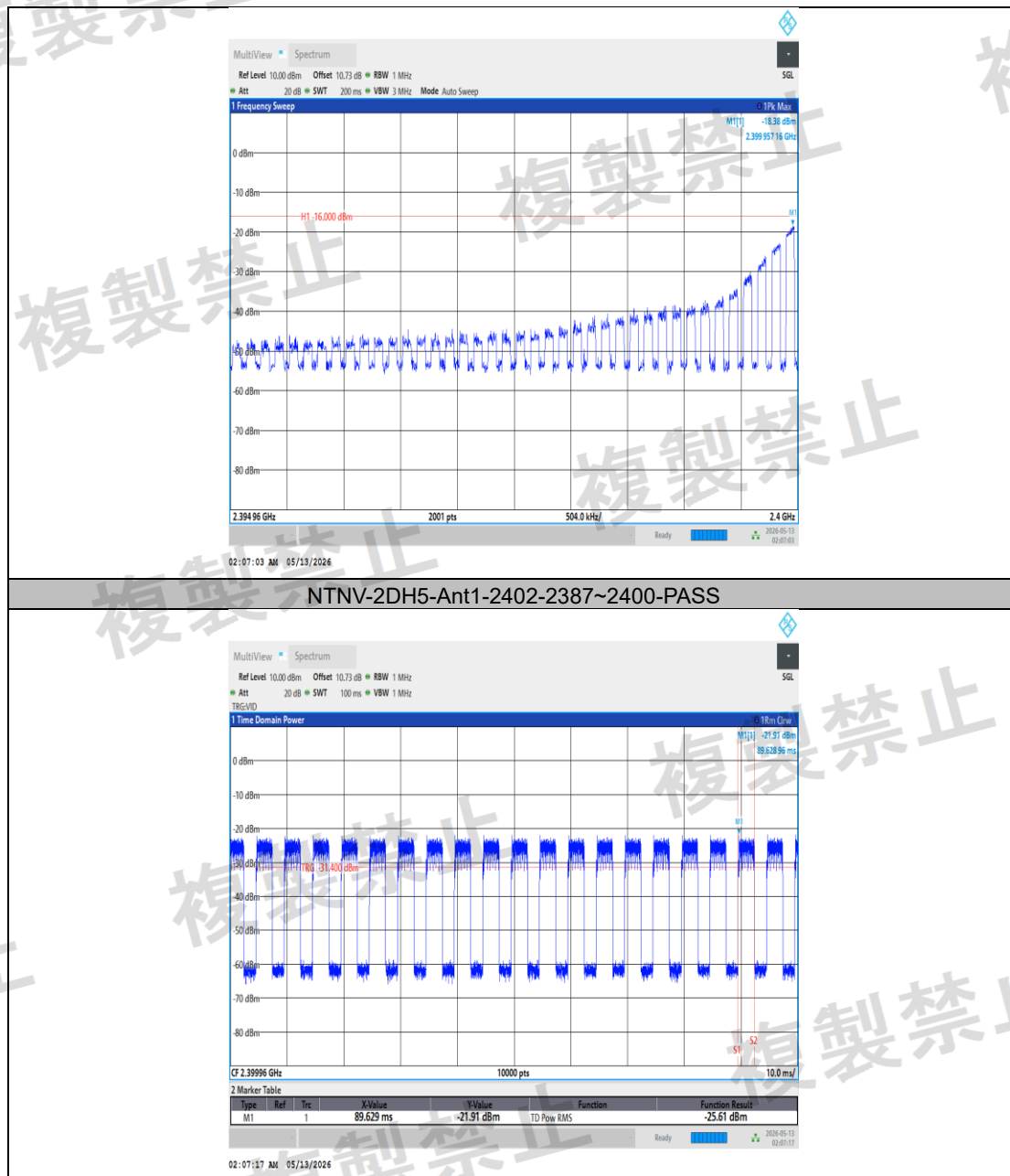
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VERITAS

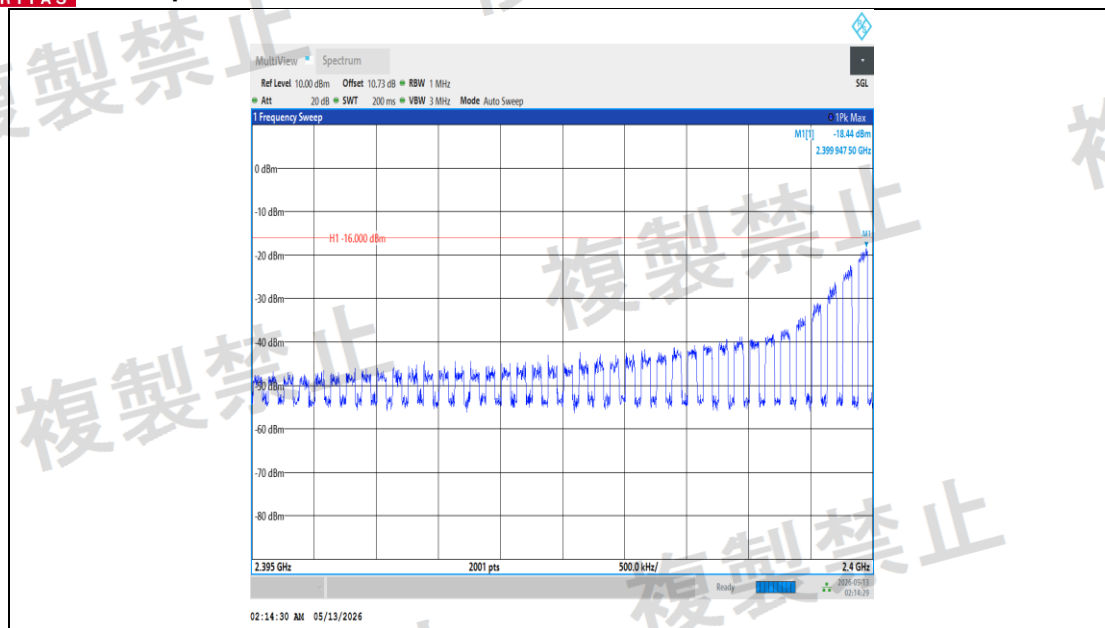
Test Report No.: PSU-NQN2605060311RJ01





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TEST GRAPHS_STEP2





NTNV-3DH5-Ant1-2402-2387~2400-PASS





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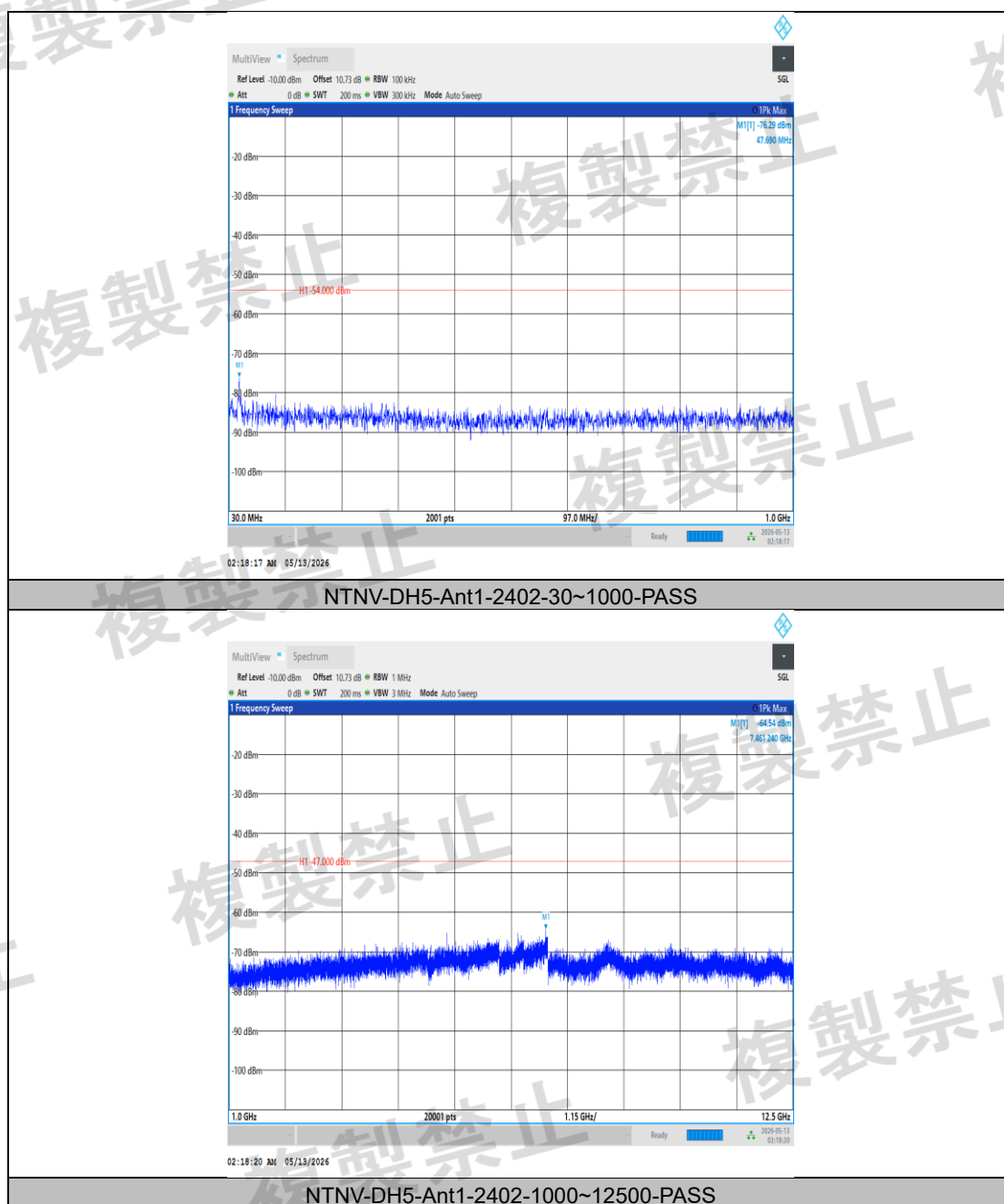
Spurious Emission of RX

TEST RESULT

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	47.69	-76.29	≤-54	0.02350	≤4	PASS
NTNV	DH5	Ant1	2402	1000~12500	7461.24	-64.54	≤-47	0.35156	≤20	PASS
NTNV	DH5	Ant1	2441	30~1000	30.73	-80.08	≤-54	0.00982	≤4	PASS
NTNV	DH5	Ant1	2441	1000~12500	7413.52	-64.59	≤-47	0.34754	≤20	PASS
NTNV	DH5	Ant1	2480	30~1000	47.69	-77.90	≤-54	0.01622	≤4	PASS
NTNV	DH5	Ant1	2480	1000~12500	7465.84	-64.53	≤-47	0.35237	≤20	PASS
NTNV	2DH5	Ant1	2402	30~1000	49.63	-77.55	≤-54	0.01758	≤4	PASS
NTNV	2DH5	Ant1	2402	1000~12500	7455.49	-64.82	≤-47	0.32961	≤20	PASS
NTNV	2DH5	Ant1	2441	30~1000	96.17	-76.00	≤-54	0.02512	≤4	PASS
NTNV	2DH5	Ant1	2441	1000~12500	7000.11	-64.04	≤-47	0.39446	≤20	PASS
NTNV	2DH5	Ant1	2480	30~1000	48.18	-78.88	≤-54	0.01294	≤4	PASS
NTNV	2DH5	Ant1	2480	1000~12500	7495.74	-64.91	≤-47	0.32285	≤20	PASS
NTNV	3DH5	Ant1	2402	30~1000	48.18	-77.12	≤-54	0.01941	≤4	PASS
NTNV	3DH5	Ant1	2402	1000~12500	2475.09	-62.99	≤-47	0.50234	≤20	PASS
NTNV	3DH5	Ant1	2441	30~1000	47.69	-77.23	≤-54	0.01892	≤4	PASS
NTNV	3DH5	Ant1	2441	1000~12500	7431.34	-64.55	≤-47	0.35075	≤20	PASS
NTNV	3DH5	Ant1	2480	30~1000	48.18	-77.33	≤-54	0.01849	≤4	PASS
NTNV	3DH5	Ant1	2480	1000~12500	7480.21	-65.44	≤-47	0.28576	≤20	PASS



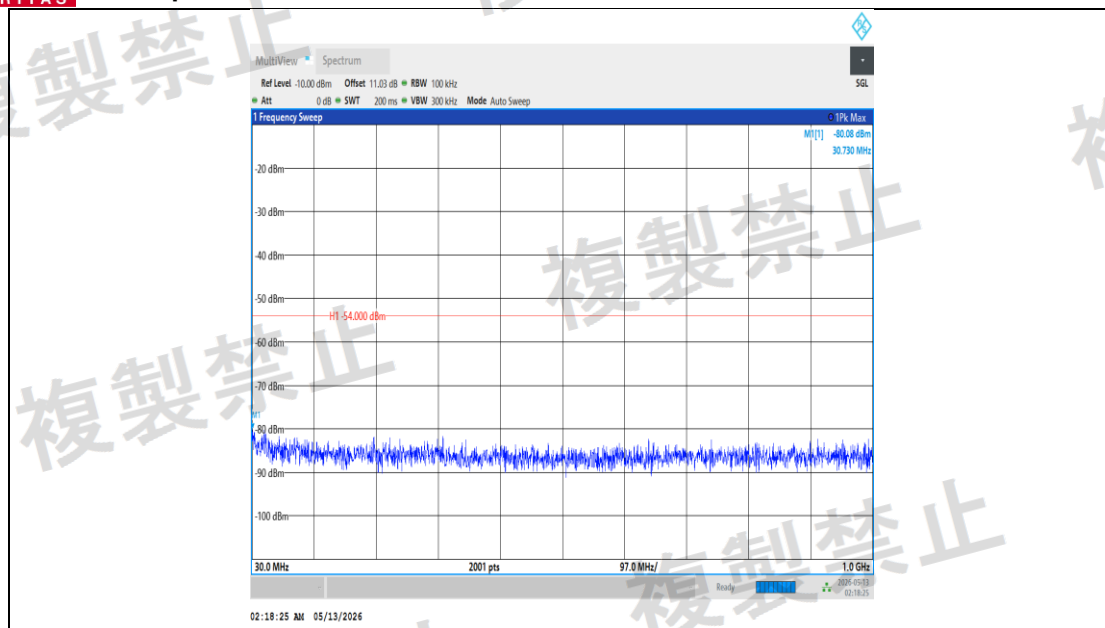
TEST GRAPHS



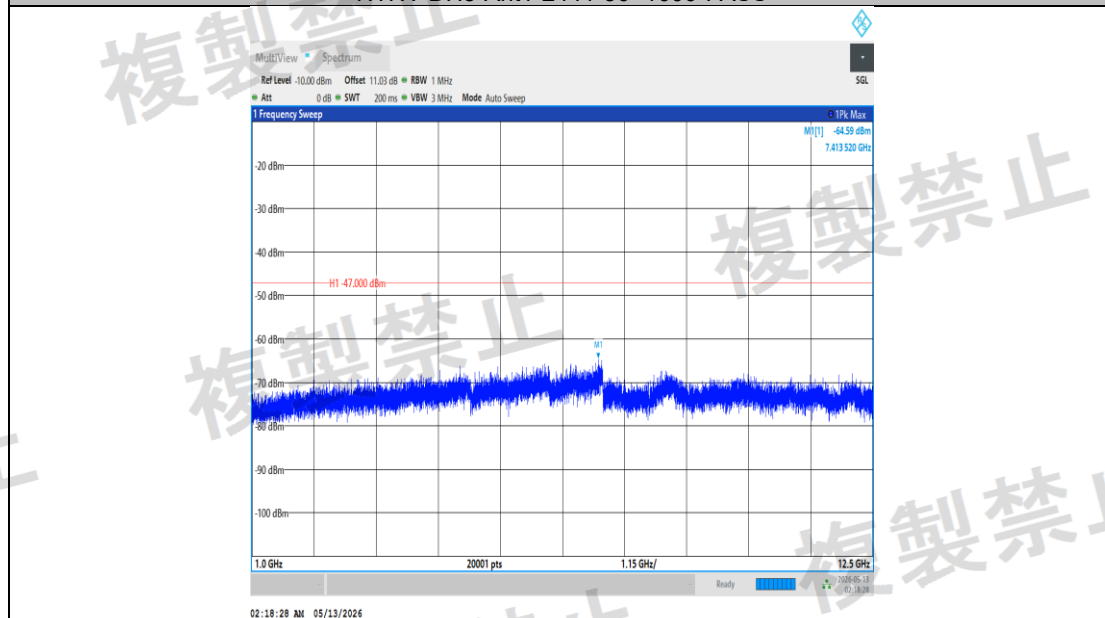


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-DH5-Ant1-2441-30~1000-PASS

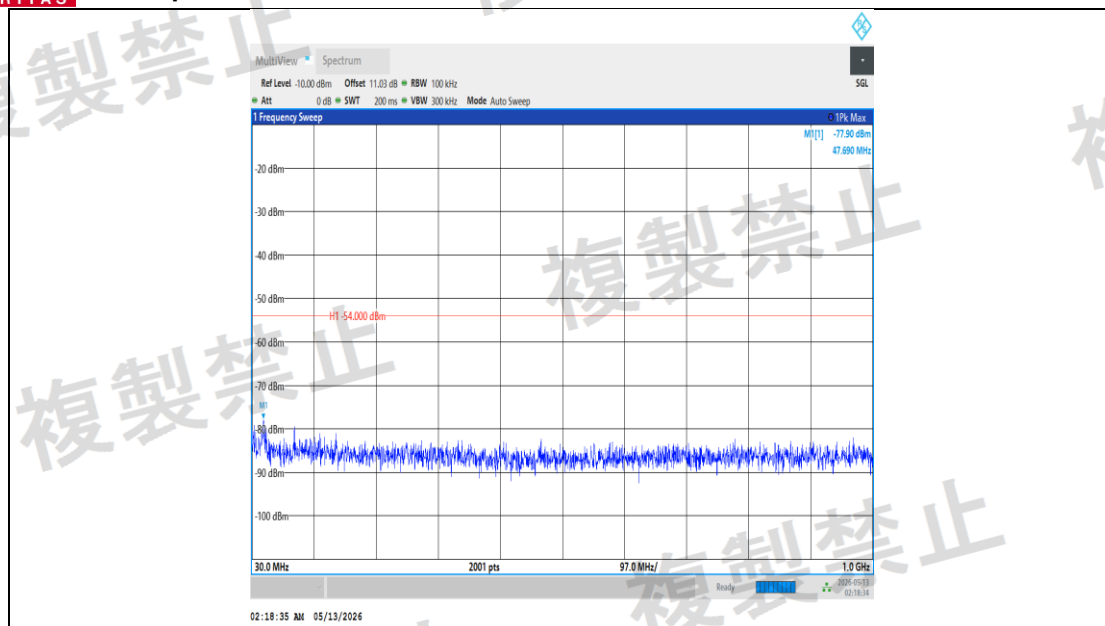


NTNV-DH5-Ant1-2441-1000~12500-PASS

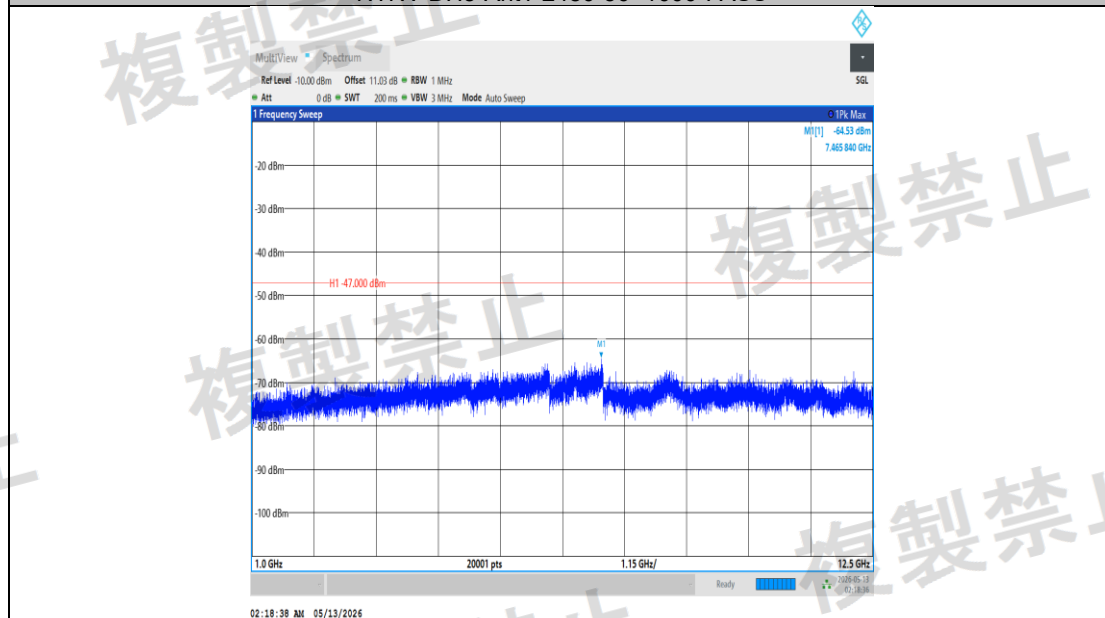


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-DH5-Ant1-2480-30~1000-PASS

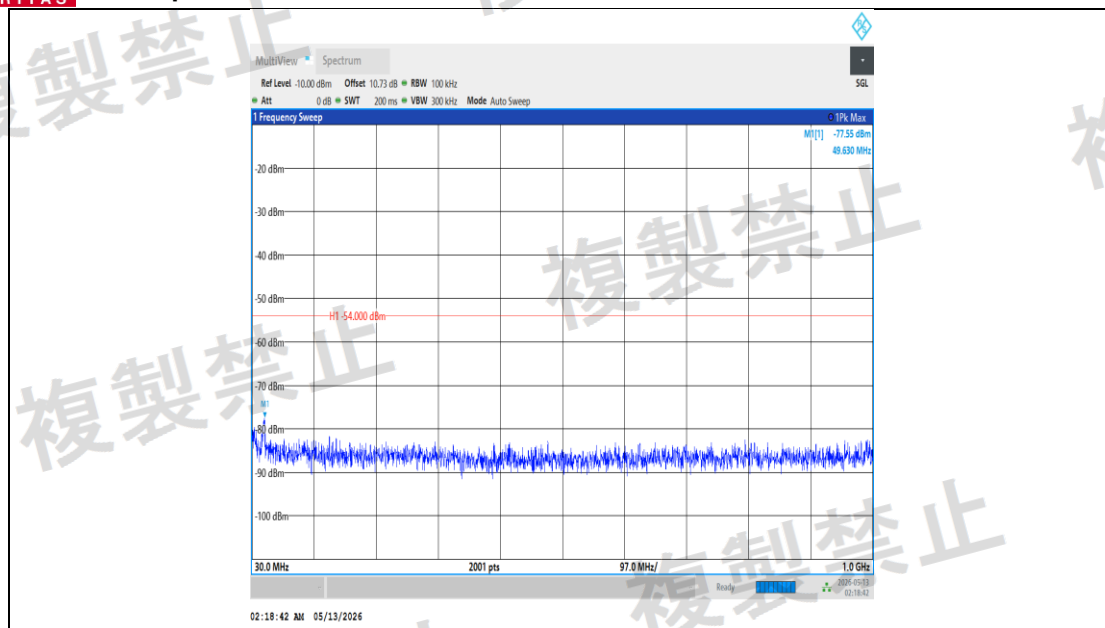


NTNV-DH5-Ant1-2480-1000~12500-PASS

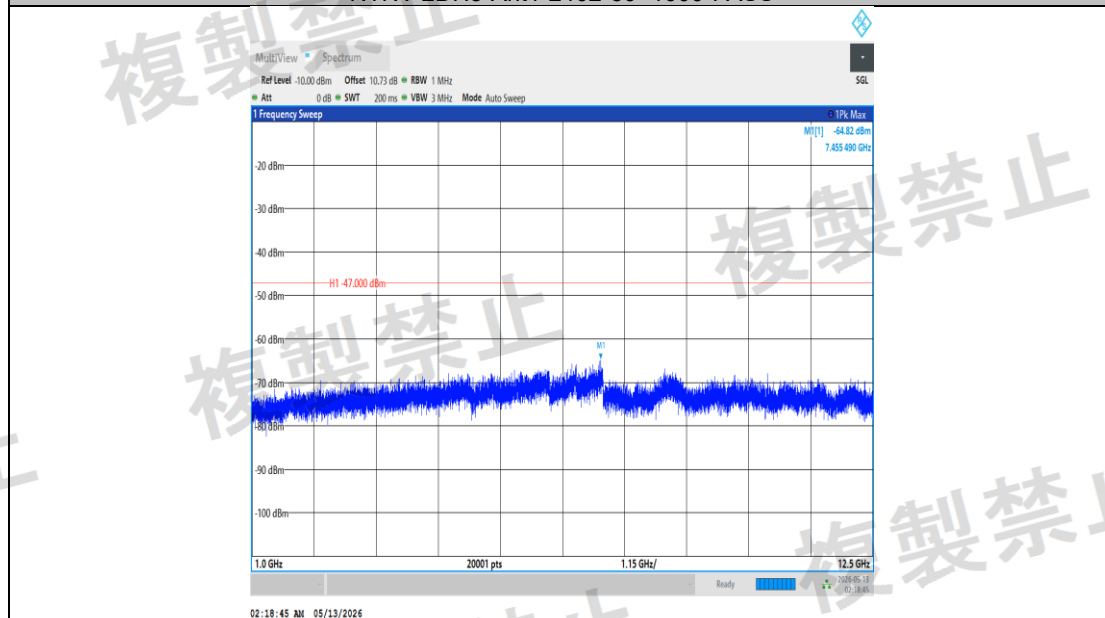


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-2DH5-Ant1-2402-30~1000-PASS

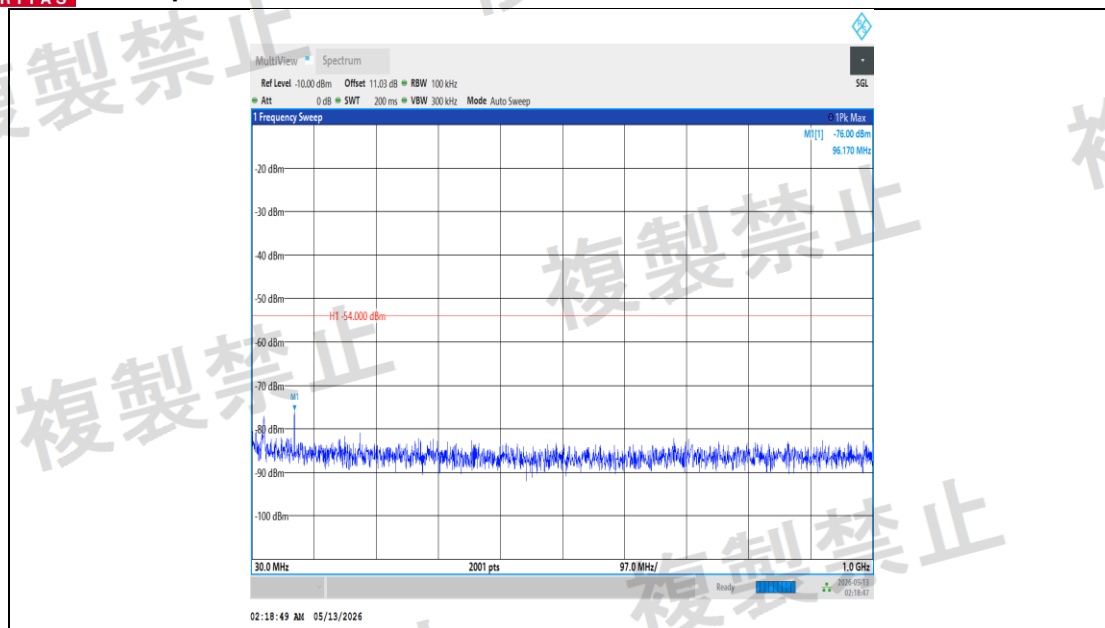


NTNV-2DH5-Ant1-2402-1000~12500-PASS

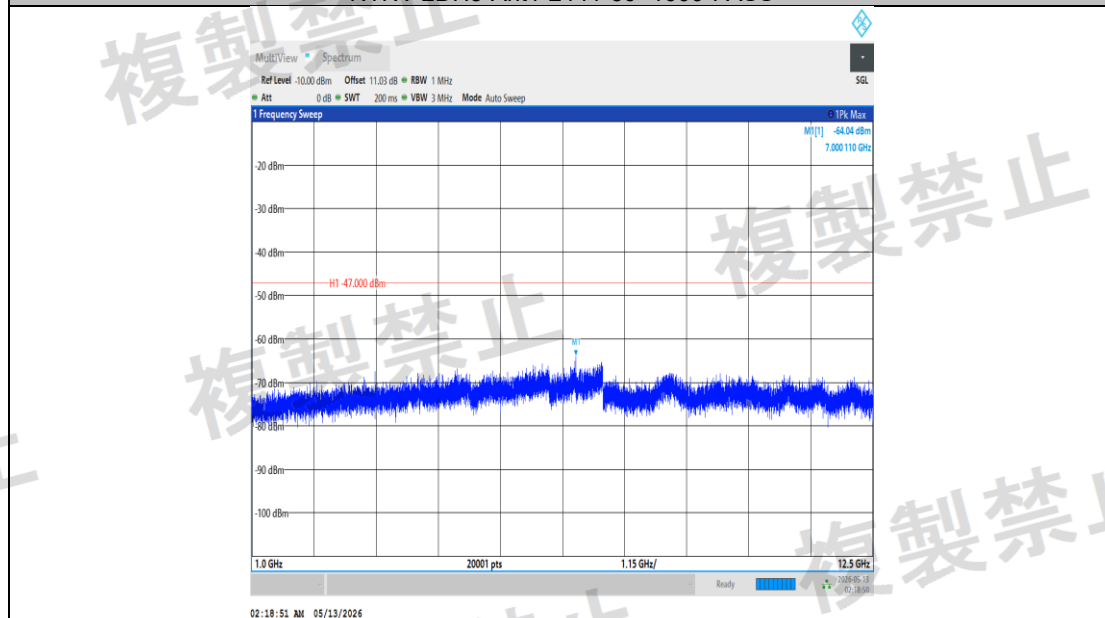


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-2DH5-Ant1-2441-30~1000-PASS

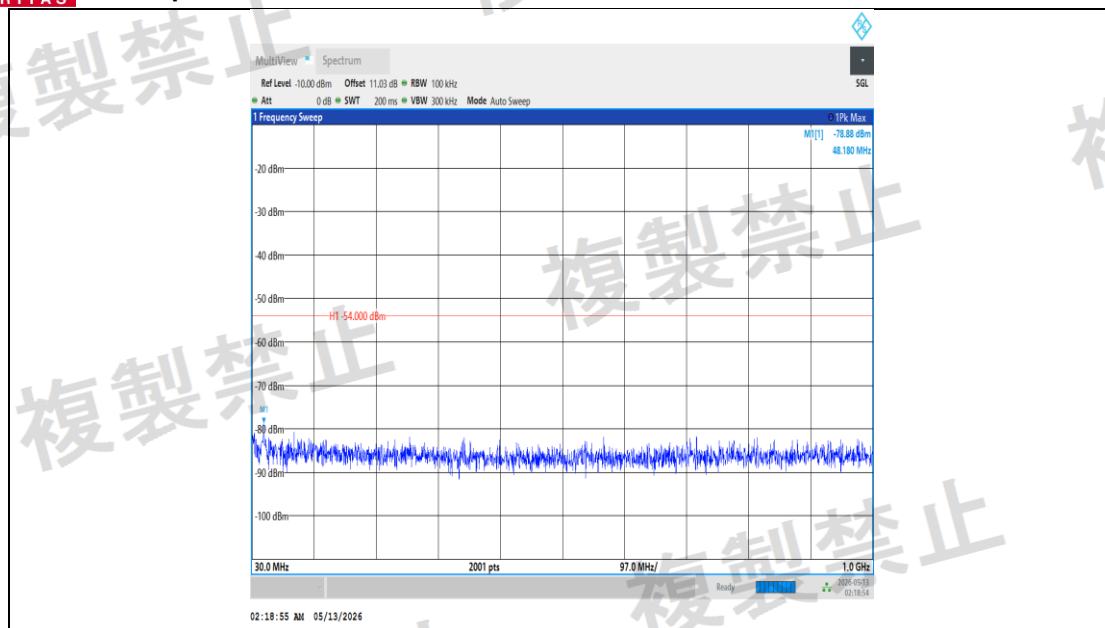


NTNV-2DH5-Ant1-2441-1000~12500-PASS

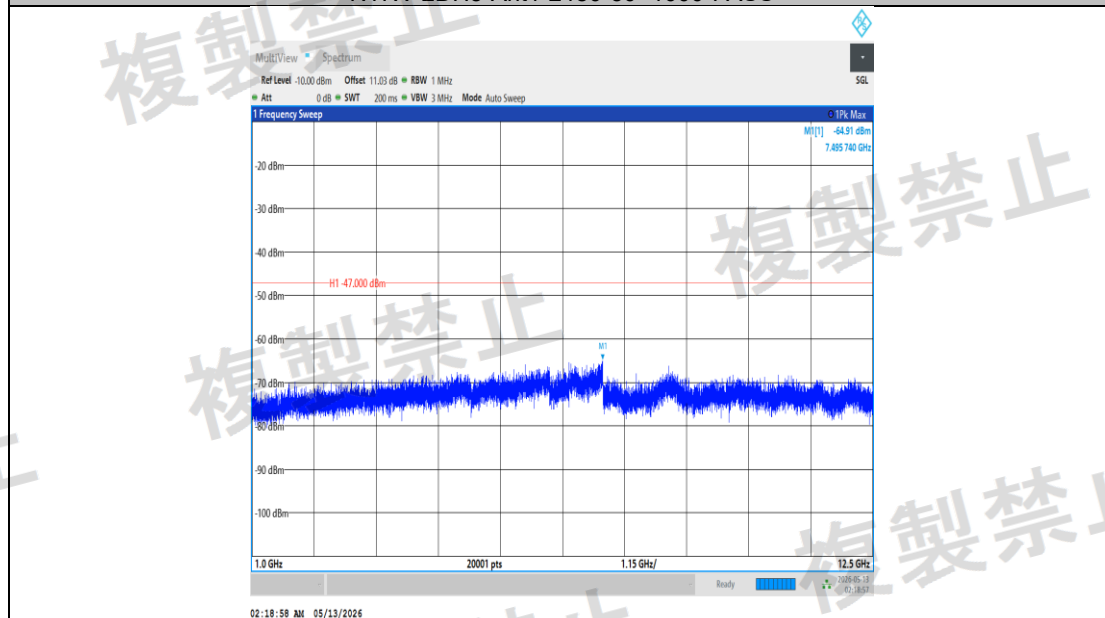


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-2DH5-Ant1-2480-30~1000-PASS

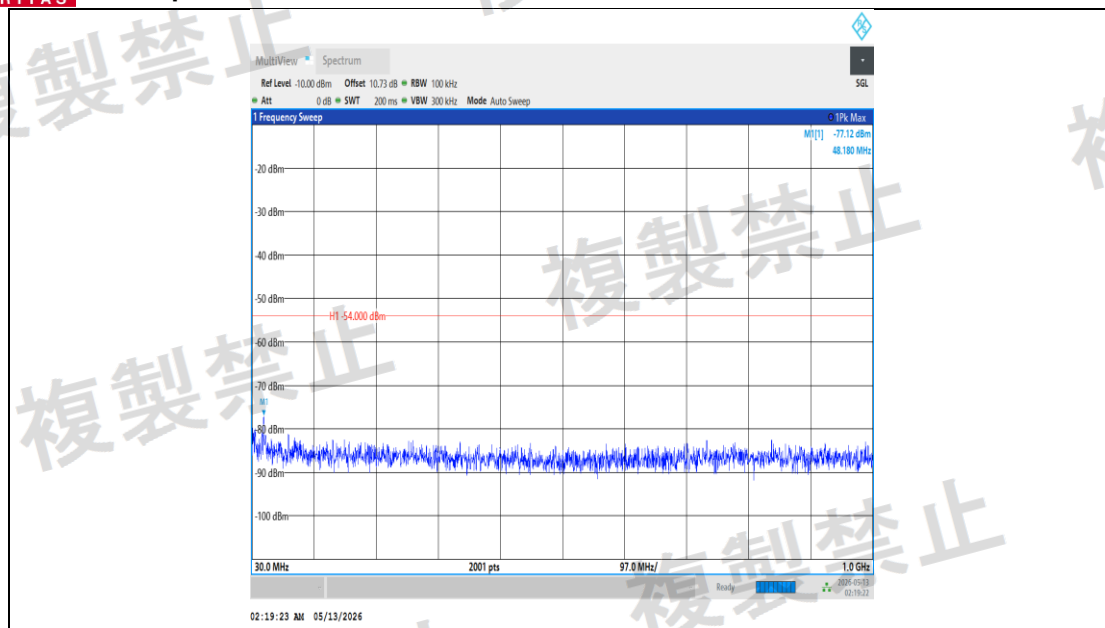


NTNV-2DH5-Ant1-2480-1000~12500-PASS

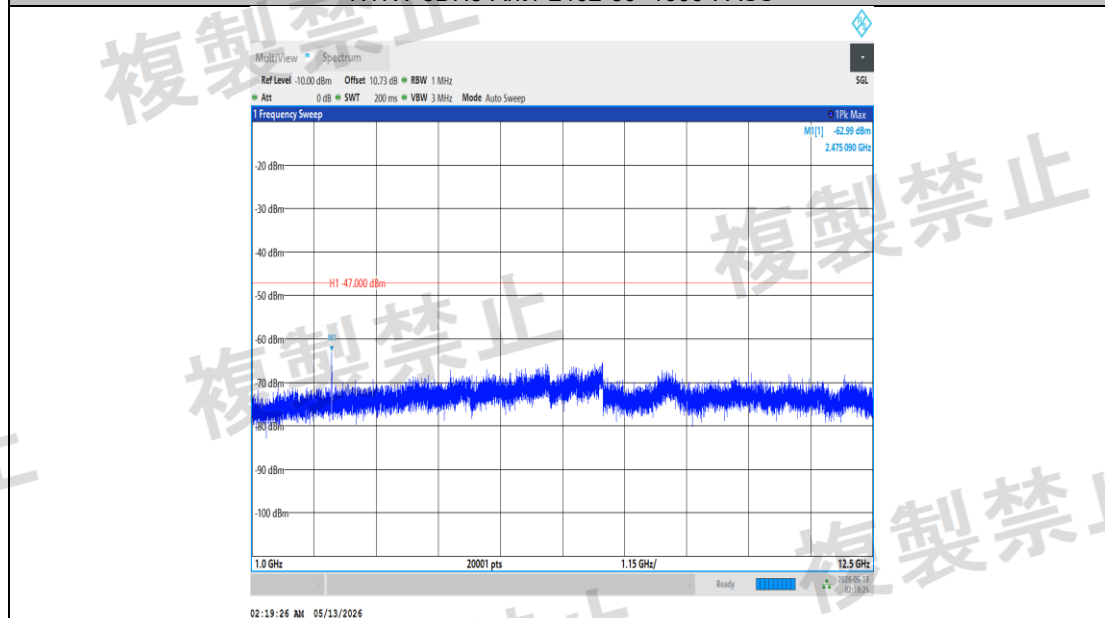


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-3DH5-Ant1-2402-30~1000-PASS

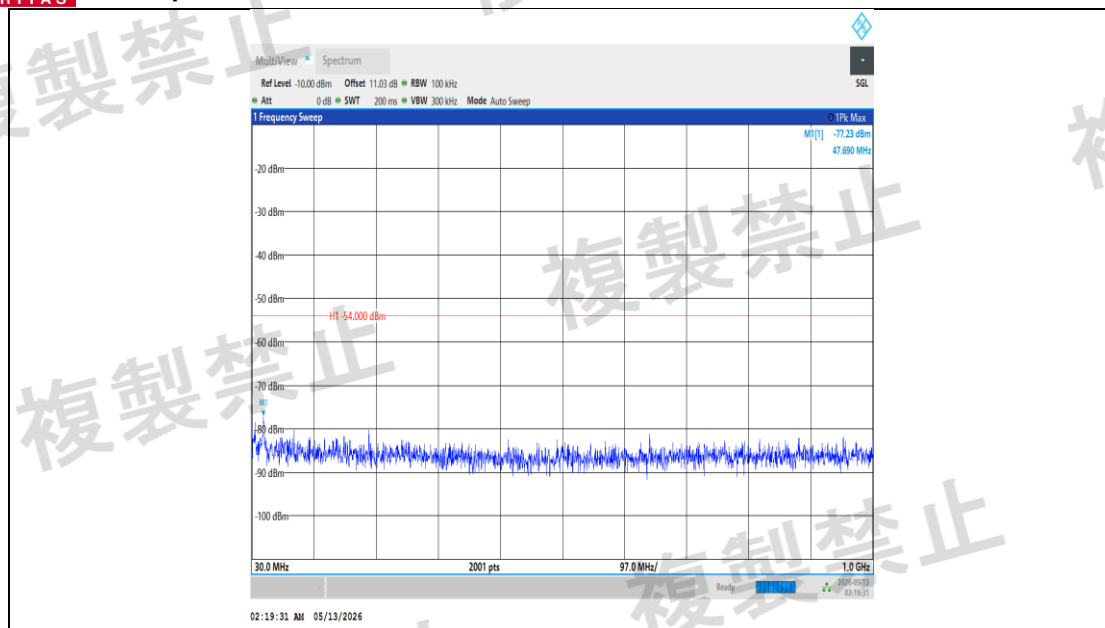


NTNV-3DH5-Ant1-2402-1000~12500-PASS

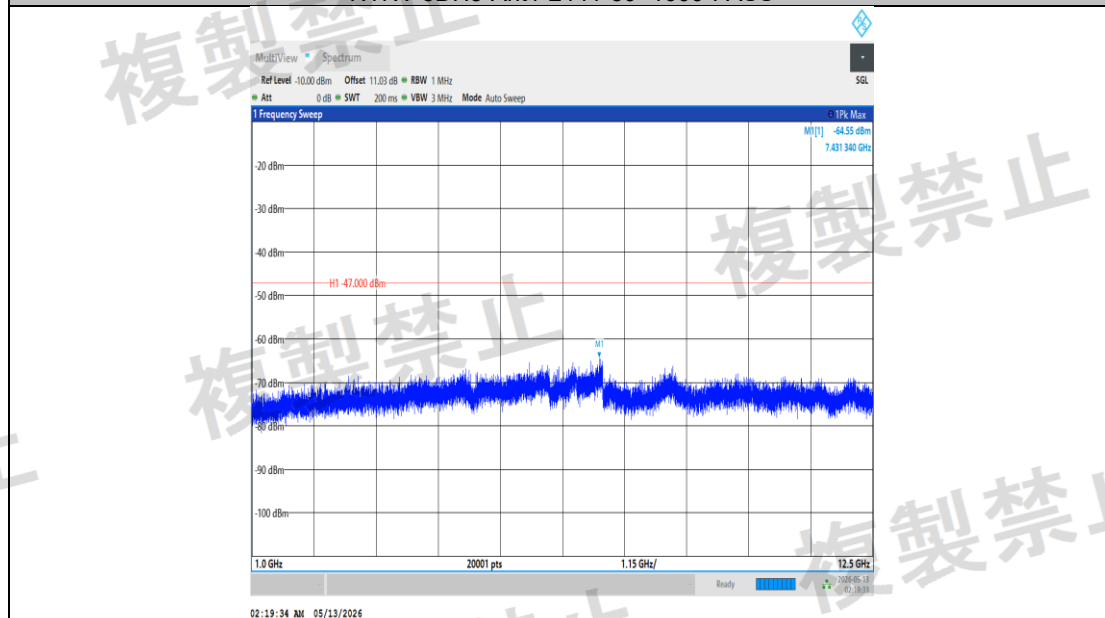


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-3DH5-Ant1-2441-30~1000-PASS

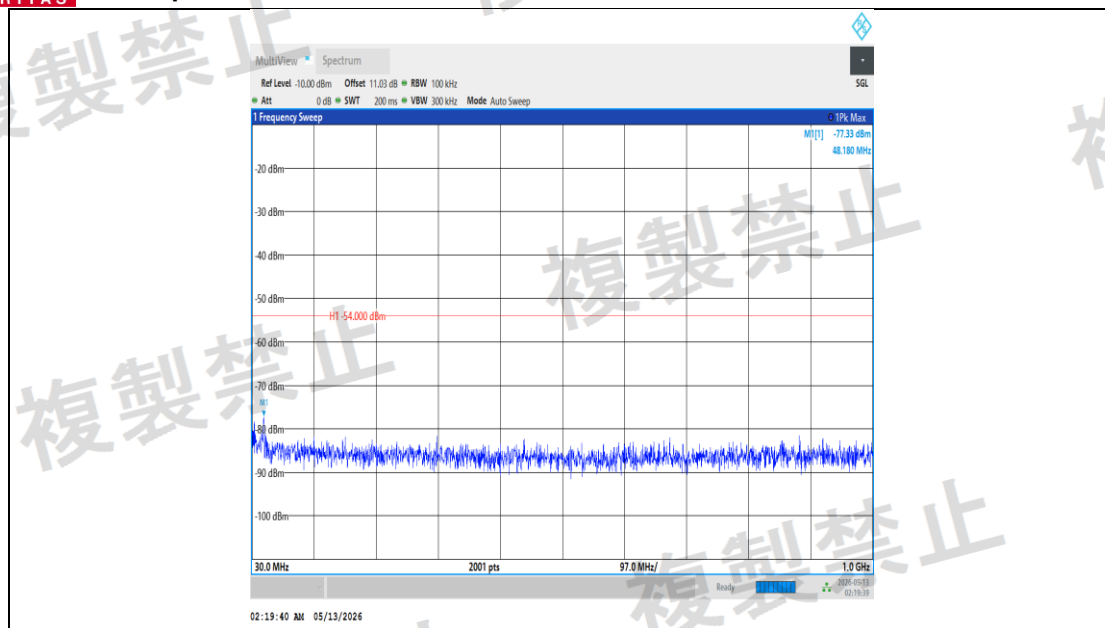


NTNV-3DH5-Ant1-2441-1000~12500-PASS

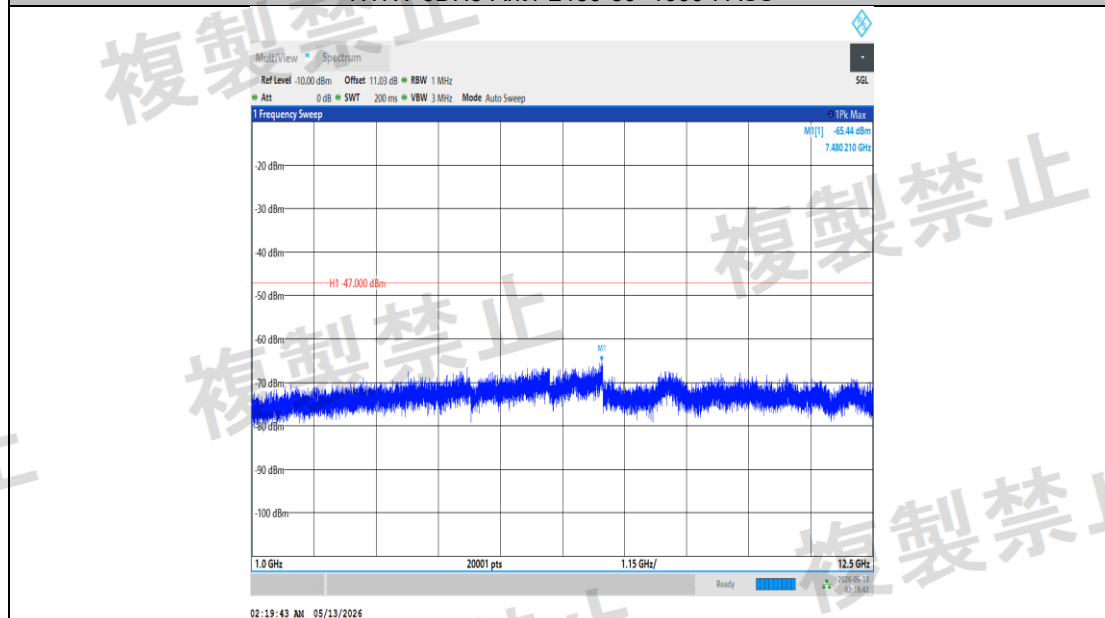


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



NTNV-3DH5-Ant1-2480-30~1000-PASS



NTNV-3DH5-Ant1-2480-1000~12500-PASS



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Dwell Time

TEST RESULT

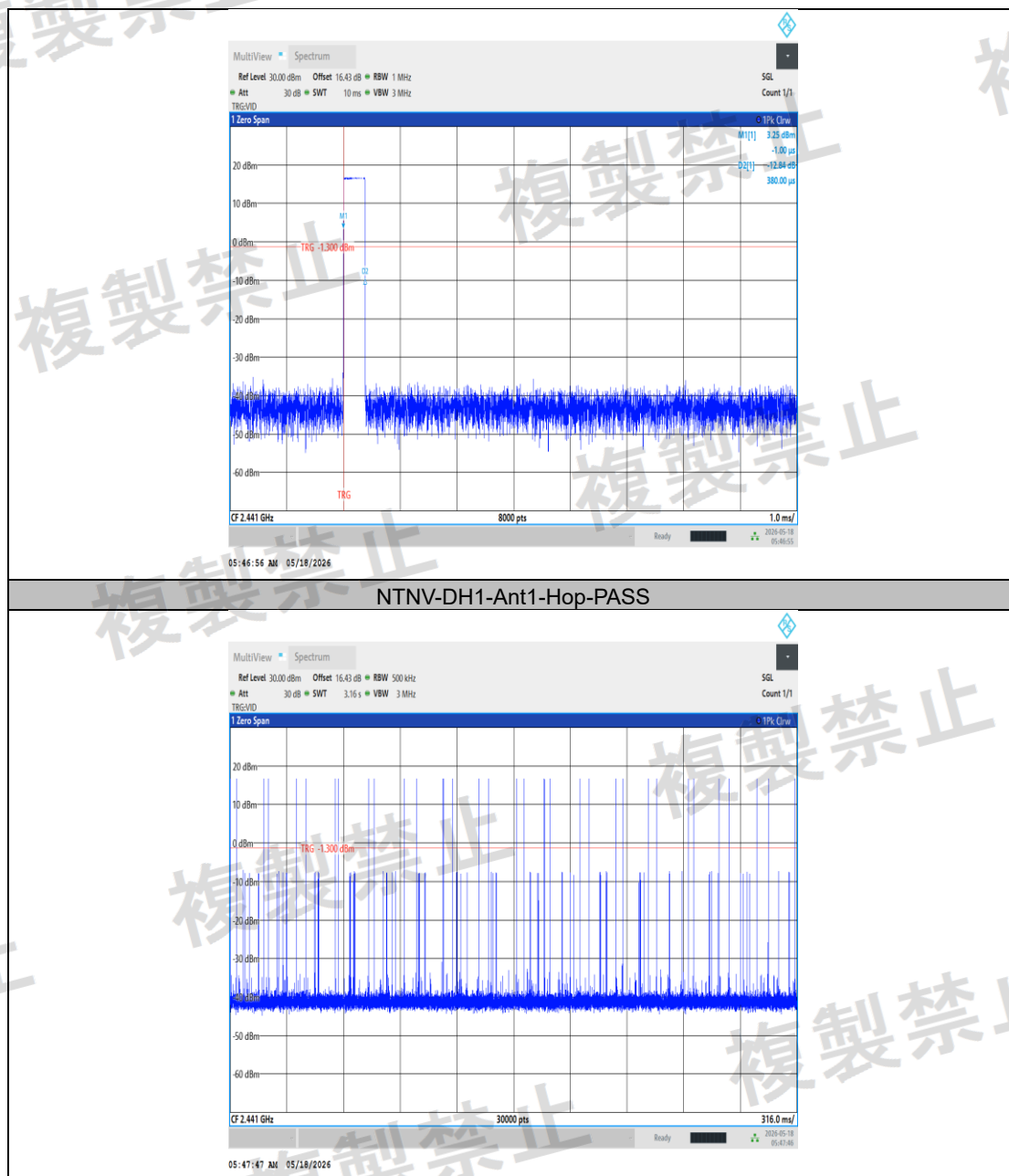
Test Condition	Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
NTNV	DH3	Ant1	Hop	1.63	110	0.179	≤0.4	PASS
NTNV	DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
NTNV	2DH1	Ant1	Hop	0.39	310	0.121	≤0.4	PASS
NTNV	2DH3	Ant1	Hop	1.64	80	0.131	≤0.4	PASS
NTNV	2DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
NTNV	3DH1	Ant1	Hop	0.39	310	0.121	≤0.4	PASS
NTNV	3DH3	Ant1	Hop	1.64	140	0.23	≤0.4	PASS
NTNV	3DH5	Ant1	Hop	2.89	70	0.202	≤0.4	PASS

Note: Dwell time=Time per one hopping(on time)*hopping numbers= BurstWidth* TotalHops

Observation period=0.4*SBW (Second) =0.4*79=31.6S (The theoretical SBW value is 79,and the actual SBW maximum is 71)



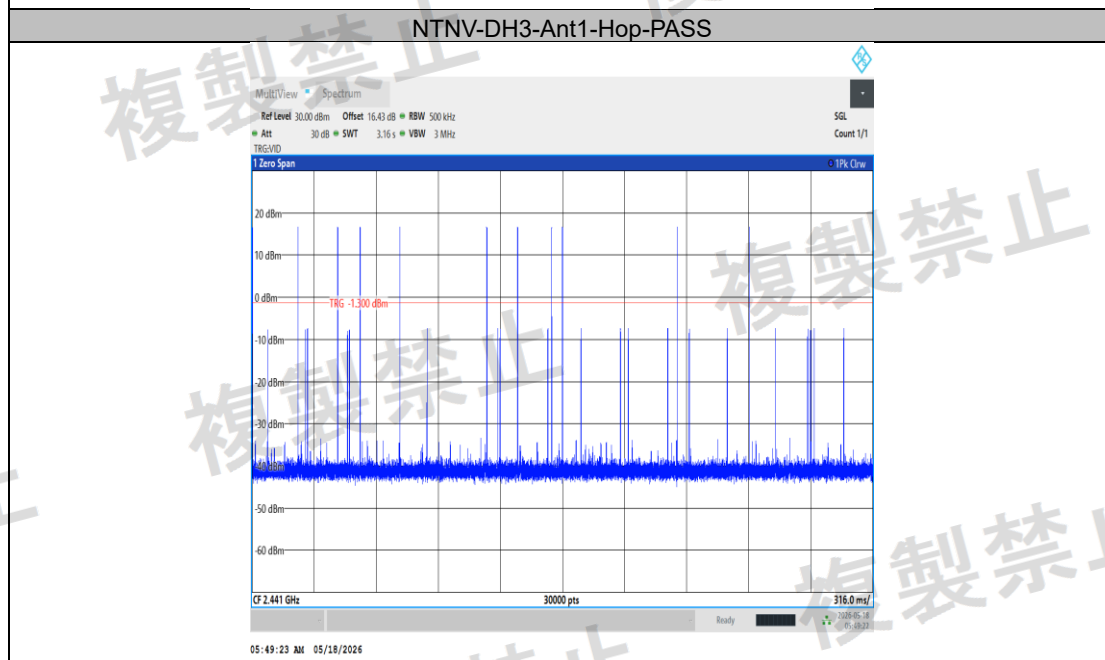
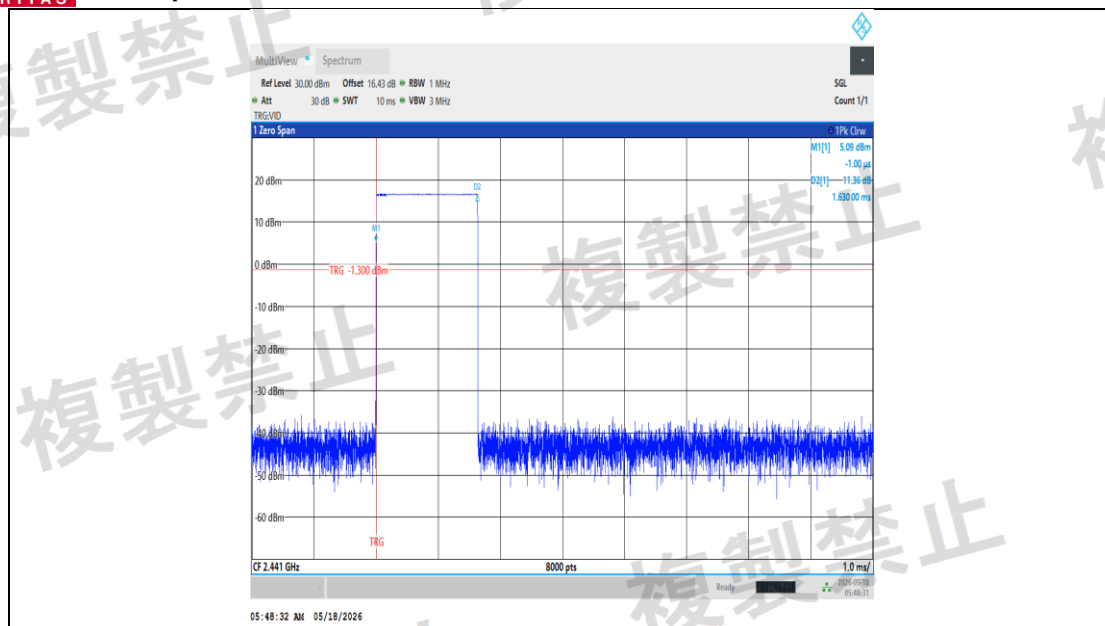
TEST GRAPHS





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VERITAS

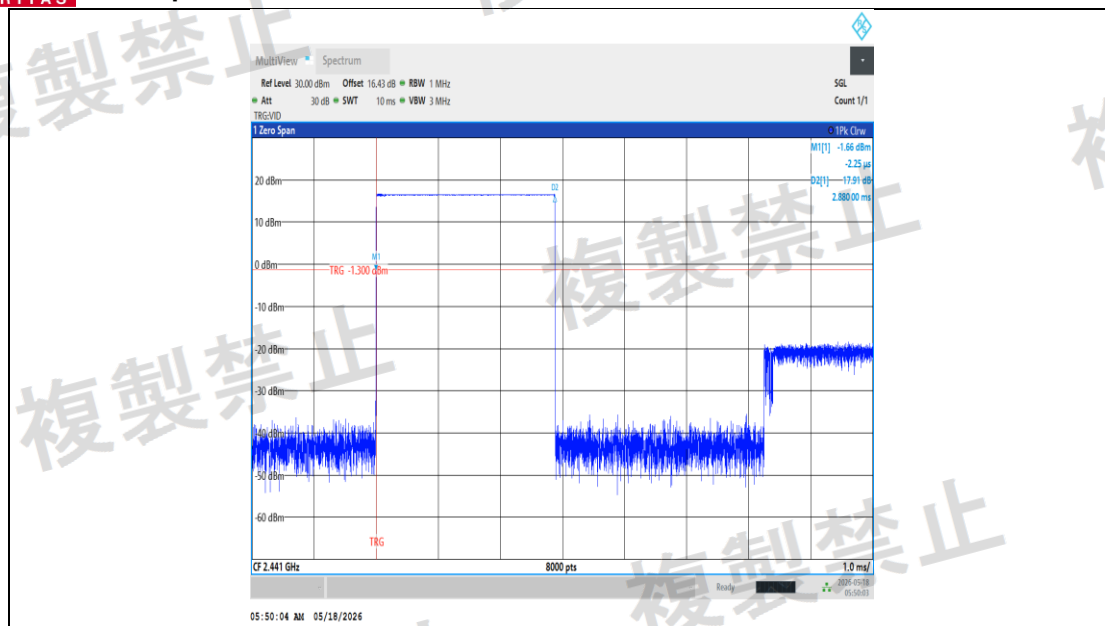
Test Report No.: PSU-NQN2605060311RJ01



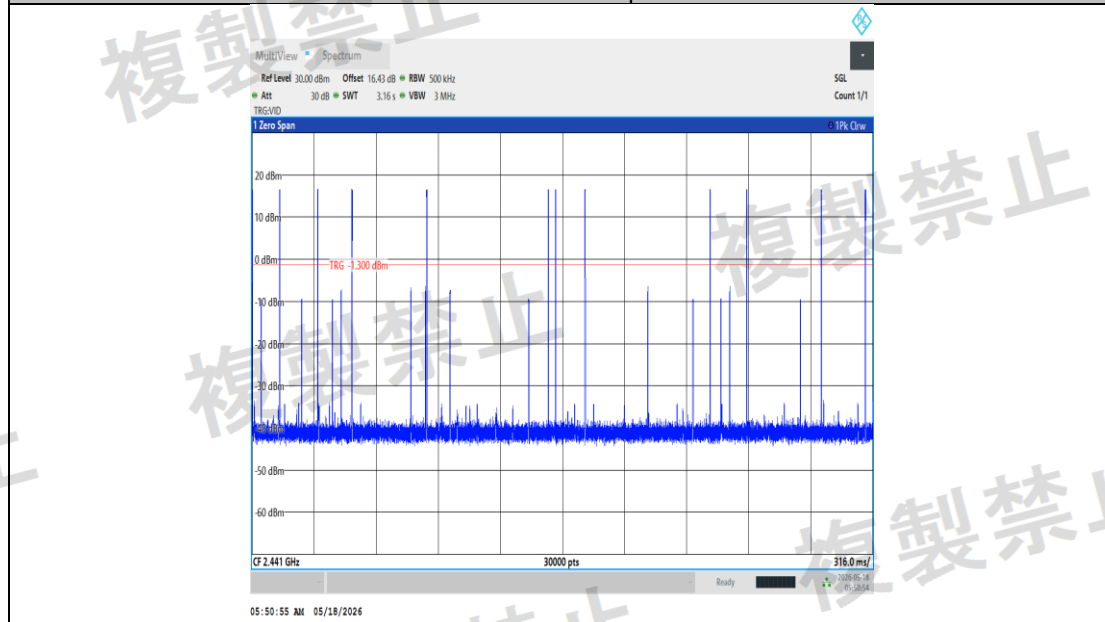


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Test Report No.: PSU-NQN2605060311RJ01



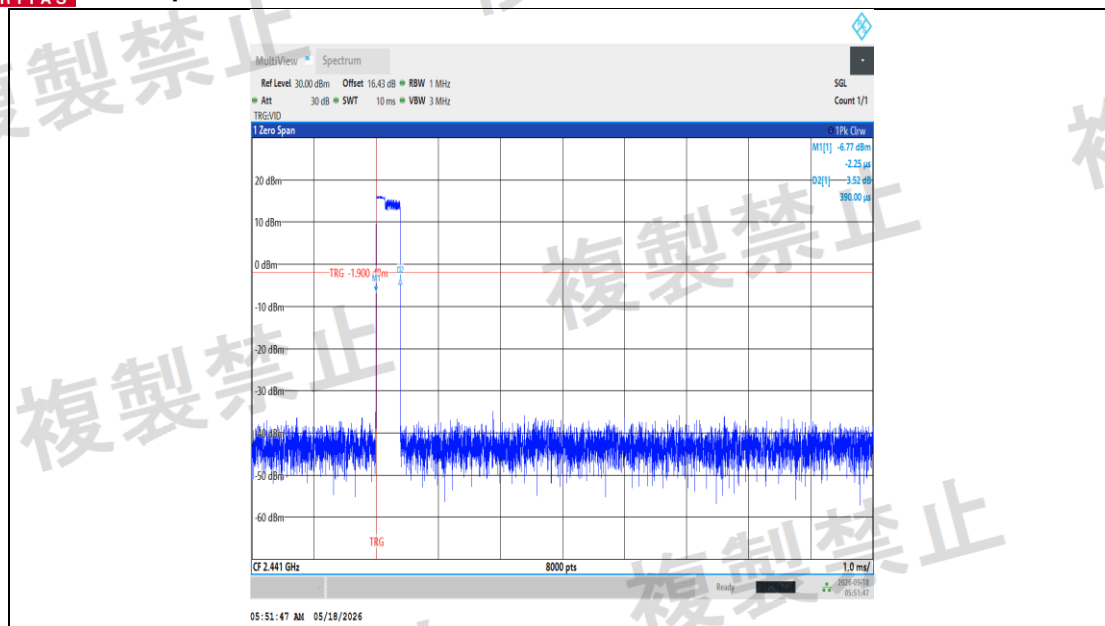
NTNV-DH5-Ant1-Hop-PASS



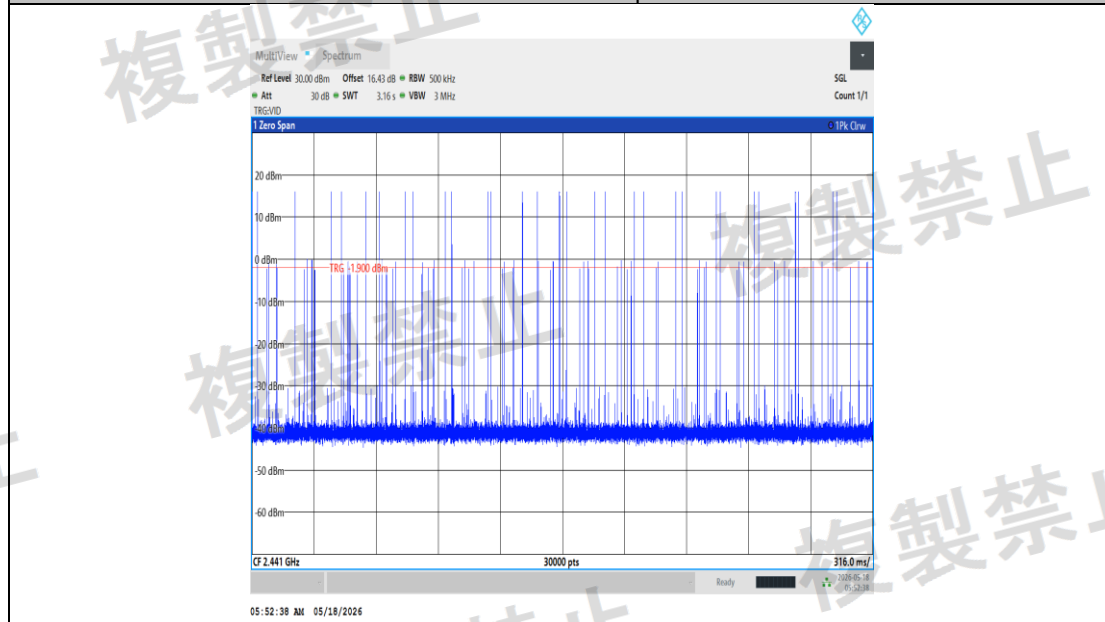


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



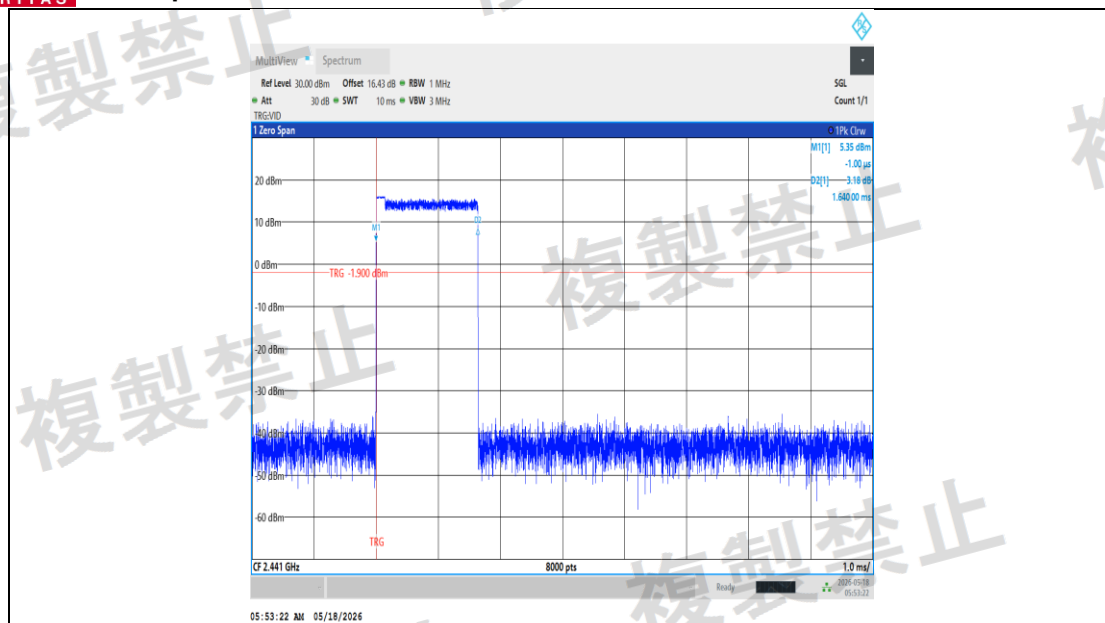
NTNV-2DH1-Ant1-Hop-PASS



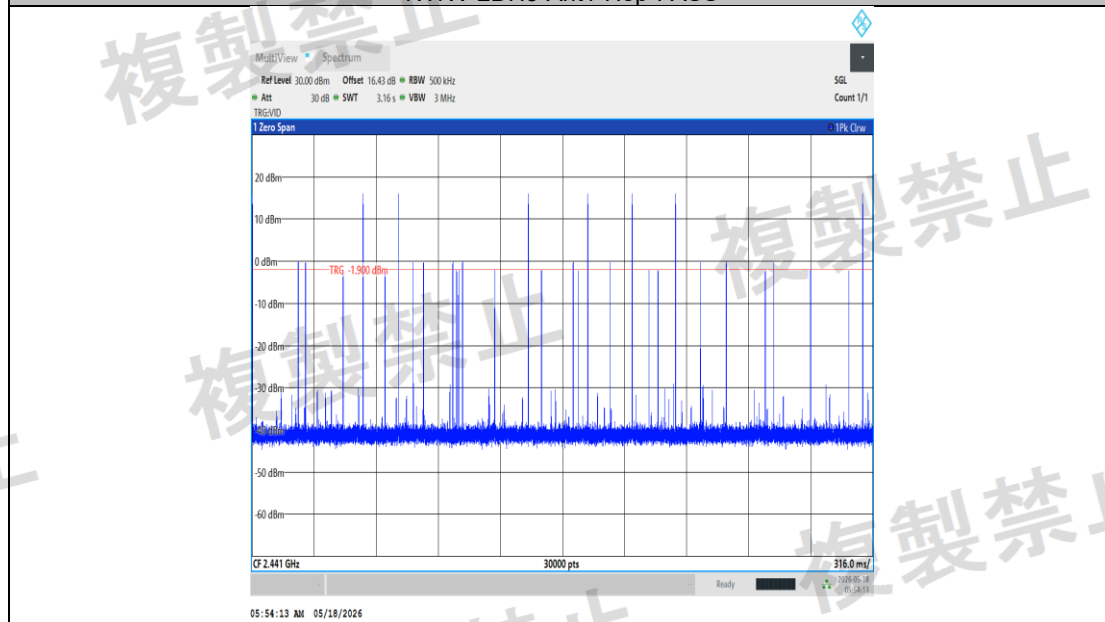


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



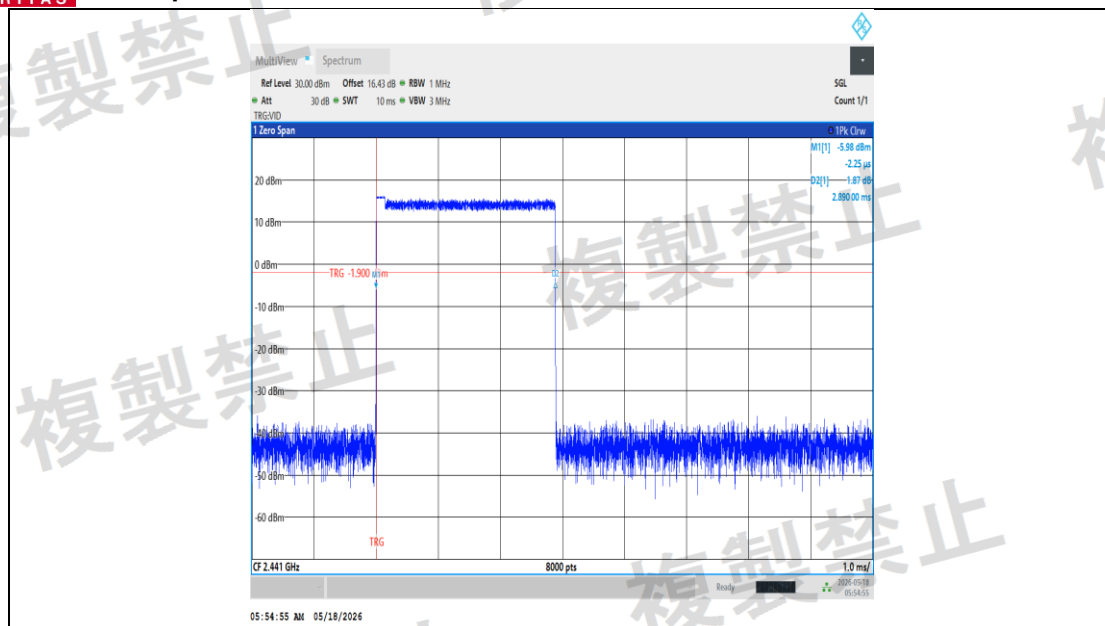
NTNV-2DH3-Ant1-Hop-PASS



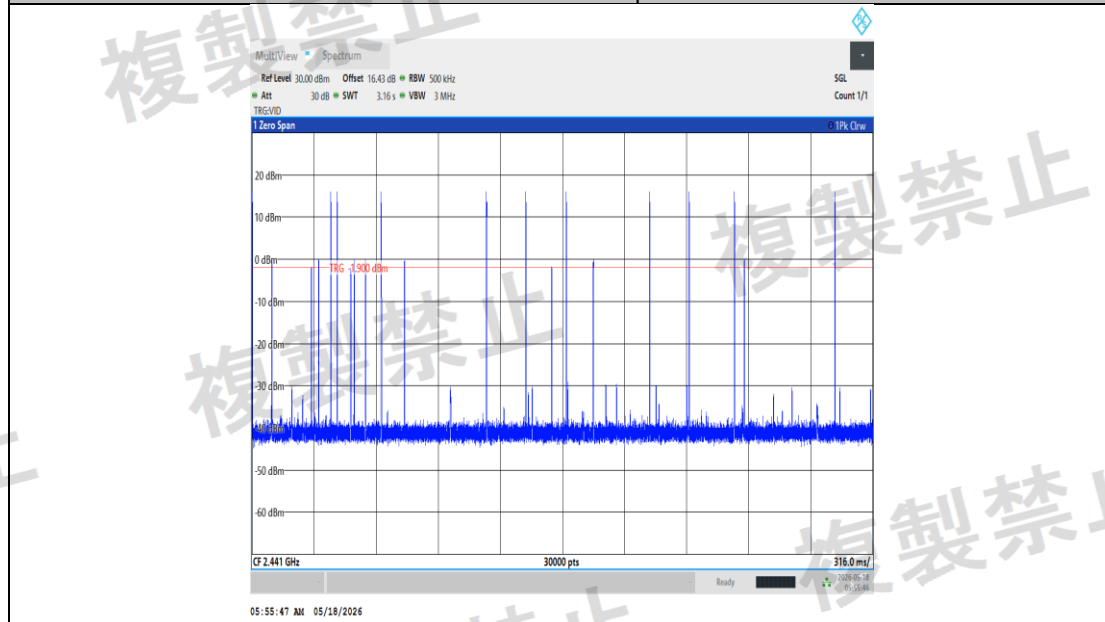


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



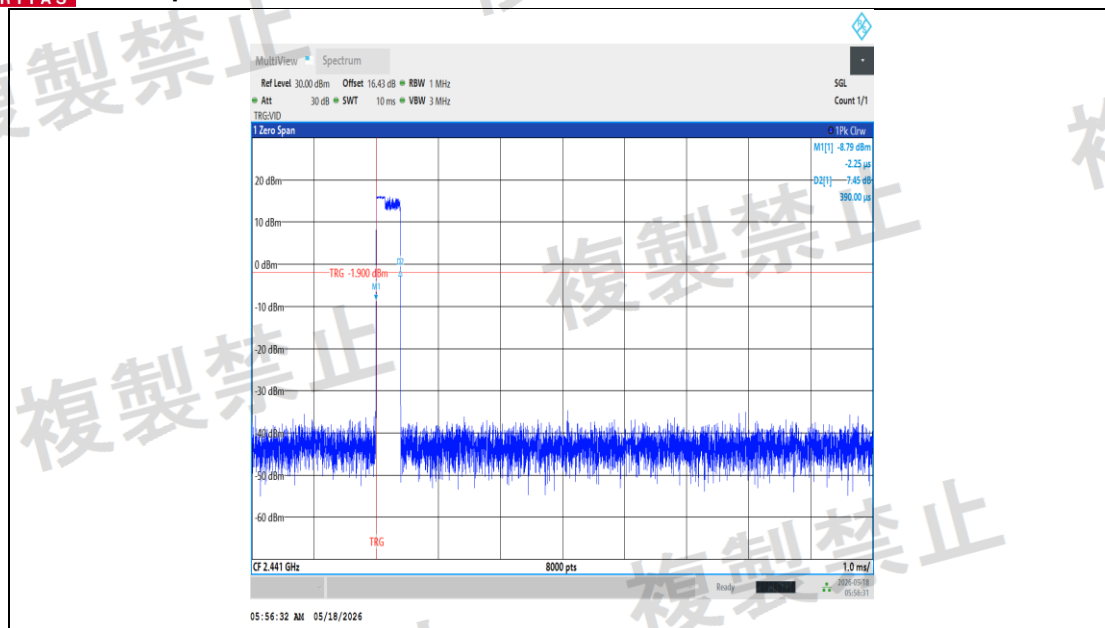
NTNV-2DH5-Ant1-Hop-PASS



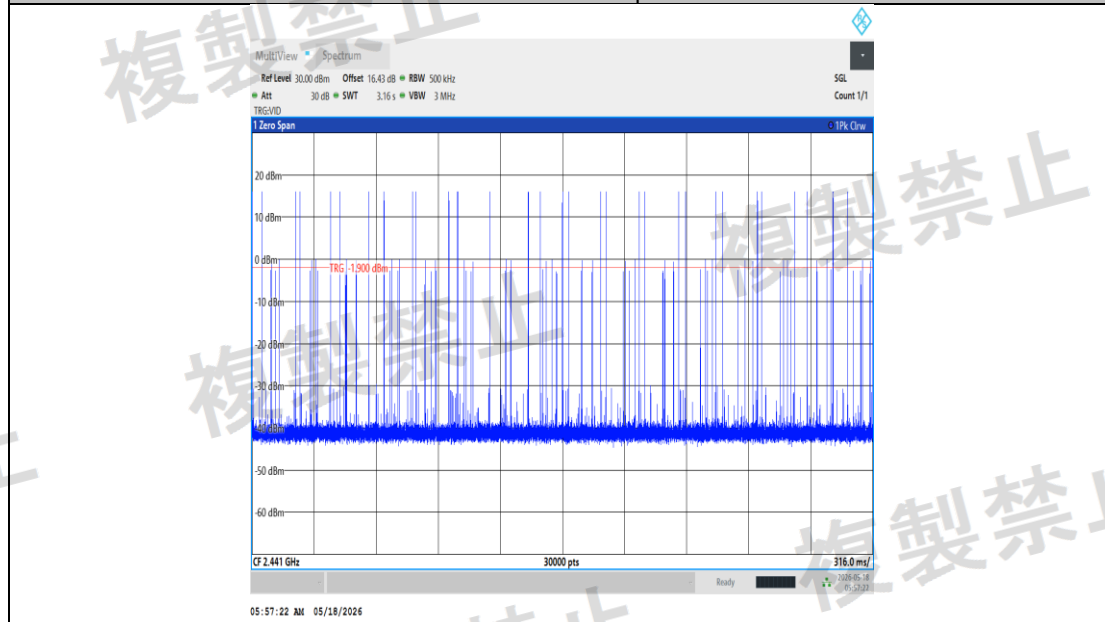


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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



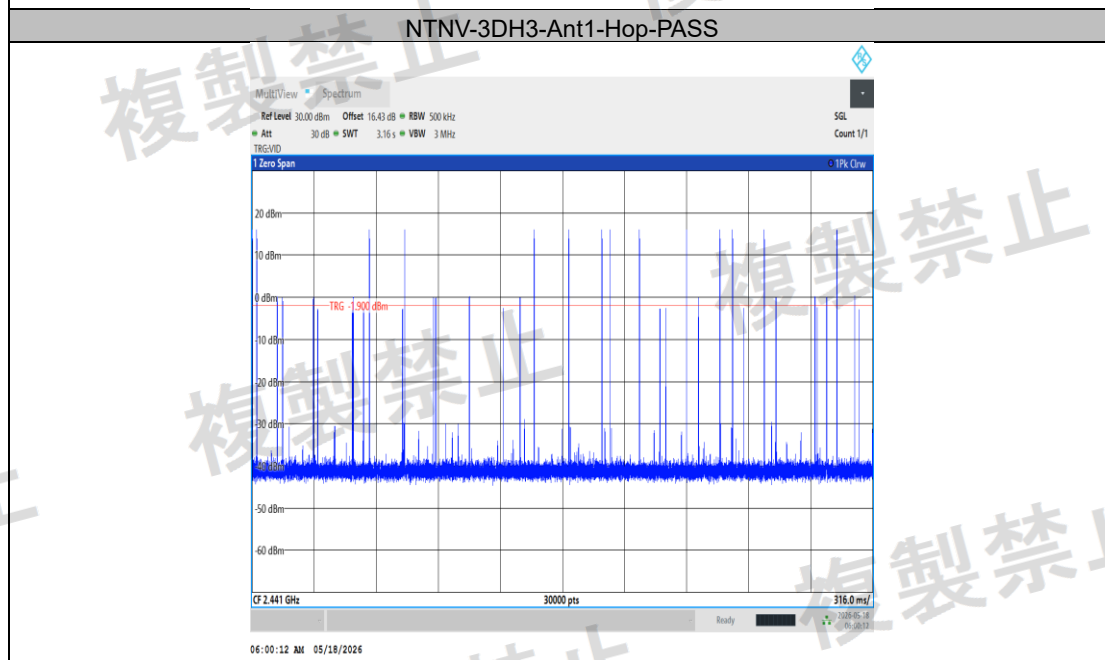
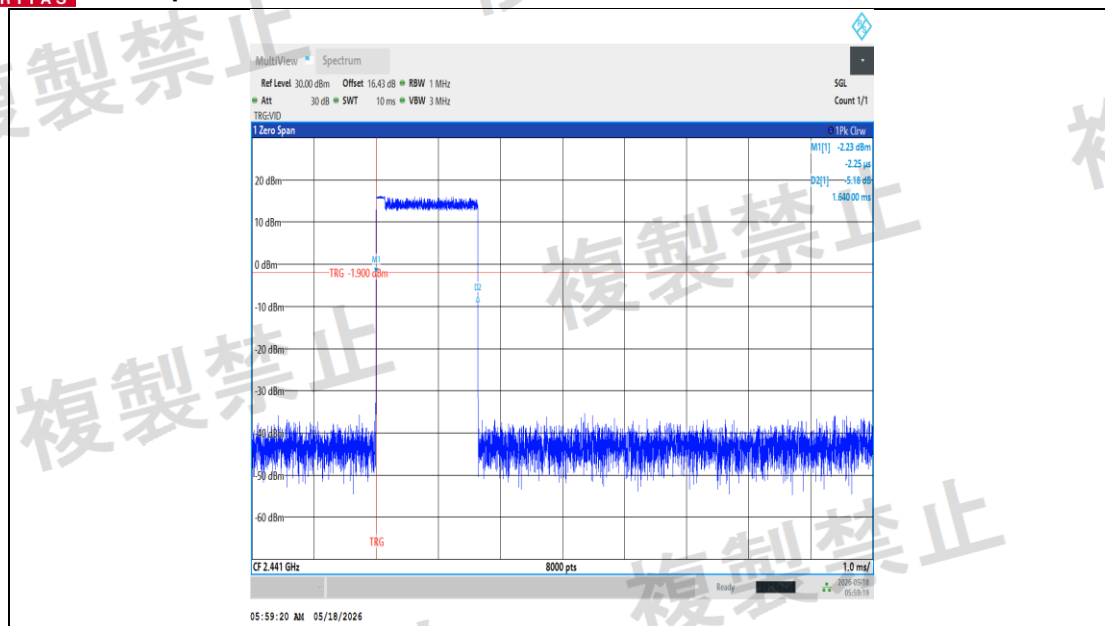
NTNV-3DH1-Ant1-Hop-PASS





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VERITAS

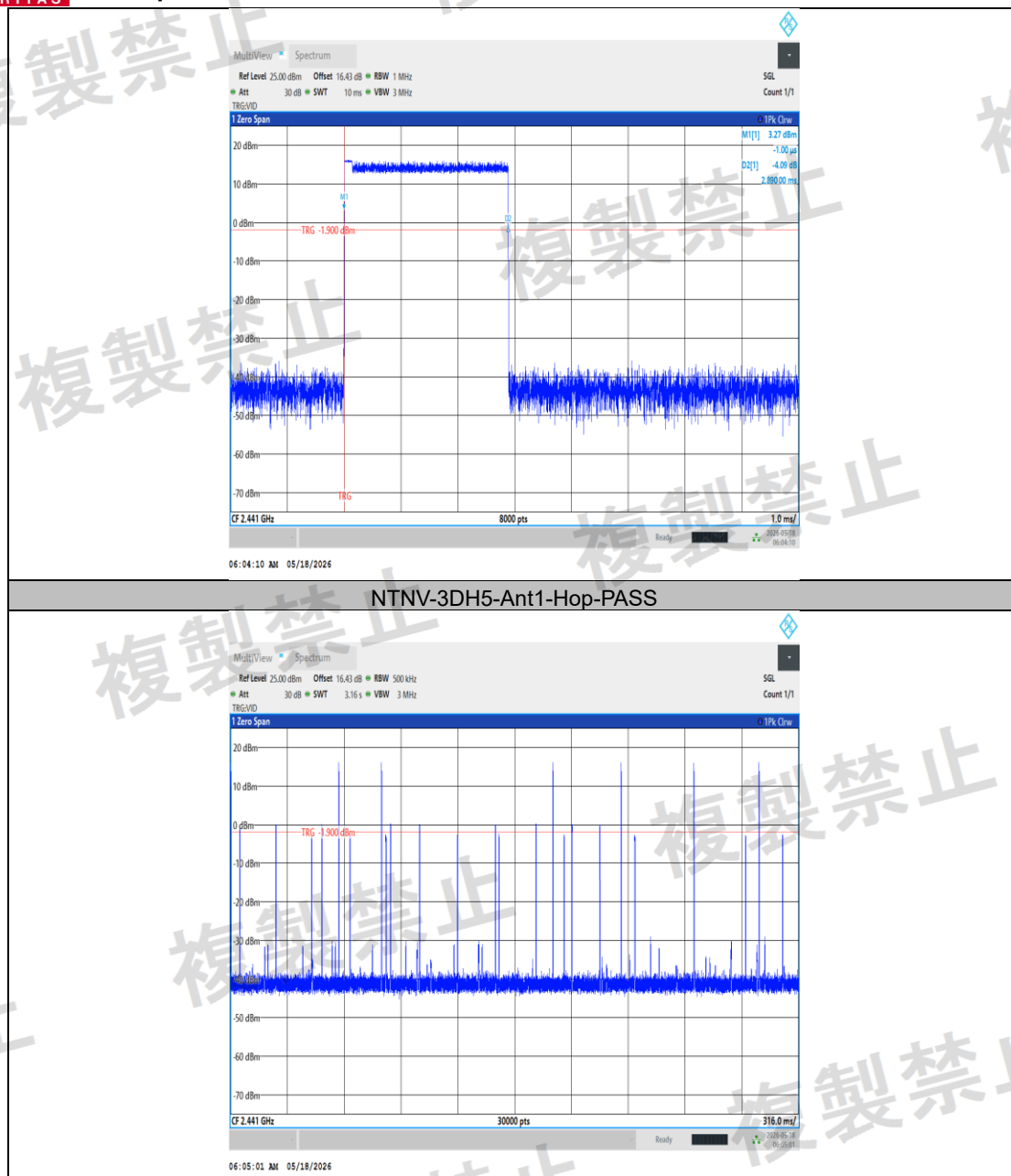
Test Report No.: PSU-NQN2605060311RJ01





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VERITAS

Test Report No.: PSU-NQN2605060311RJ01



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