Test Report

Application No.:	DNT2606083515R06841-09287
Applicant:	ATEK TECHNOLOGY CORP.
Address of Applicant:	No. 109-1, Lin 11, Dingpu Li, Chunan Town, Miao-Li County 350, Taiwan
EUT Description:	Portable Electronic Wine Chiller
Model No.:	VENUS-G2
Trade Mark:	VIVANT
Standards:	MIC Notice No.88 Appendix No.43 Item 19 of Article 2 Paragraph 1
Date of Receipt:	2026/06/08
Date of Test:	2026/06/08 to 2026/06/25
Date of Issue:	2026/06/26
Test Result:	**PASS ***

Prepared By: _____ (Testing Engineer)

Reviewed By: _____ (Project Engineer)

Approved By: _____ (Manager)

Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

Dongguan DN Testing Co., Ltd.
Add: No. 1, West Fourth Street, Xingfa South Road, Wusha Community, Chang 'an Town, Dongguan City, Guangdong P.R.China
Web: www.dn-testing.com Tel:+86-769-88087383 E-mail: service@dn-testing.com

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	June 26, 2026	Valid	Original Report

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1 Test Summary

Test	Limit/Severity		Result
Antenna Requirement	Notice 88 Appendix 43, B-1 (1) & (2)		PASS
Number of Carrier	The number of the subcarriers per MHz is1 or more		PASS
Test frequency	Notice 88 Appendix 43, A-3		PASS
Frequency Error	≤ ±50 ppm		PASS
Occupied Bandwidth	OFDM: 40 MHz or less DSSS: 26 MHz or less		PASS
	Other: ≤26MHz		
Spread-spectrum Bandwidth	≥ 500 kHz (Only Spread Spectrum)		PASS
Antenna Power and Tolerance	DSSS: 20MHz systems	≤ 10mW/MHz	PASS
	OFDM: 40MHz systems	≤ 5mW/MHz	
	Tolerance:	+20%	
Spurious Emission of Tx	< 2387MHz	≤ 2.5μW/MHz	PASS
	2387 ~ 2400MHz	≤ 25μW/MHz	
	2483.5 ~ 2496.5MHz	≤ 25μW/MHz	
	>2496.5MHz	≤ 2.5μW/MHz	
Interference prevention capability	Notice 88 Appendix 43, 44, 45		PASS
Carrier Sense	Notice 88 Appendix 43, 44, 45		PASS
RF accessibility	Notice 88 Appendix 43, 44, 45		PASS
Spurious Emission of Rx	(1) Below 1 GHz: ≤ 4 nW (2) Above 1 GHz: ≤ 20 nW		PASS

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2 General Information

2.1 General Description of E.U.T.

Manufacturer:	ATEK TECHNOLOGY CORP.		
Address of Manufacture:	No. 109-1, Lin 11, Dingpu Li, Chunan Town, Miao-Li County 350, Taiwan		
Product Name:	Portable Electronic Wine Chiller		
Model No.:	VENUS-G2		
Trade Mark:	VIVANT		
Hardware Version:	V1.0		
Software Version:	V1.0		
Operating Frequency:	IEEE 802.11b/g/n(HT20): 2412-2472MHz; IEEE 802.11n(HT40): 2422-2462MHz		
Declared Antenna Power:	IEEE 802.11b/g/n(HT20): 10mW/MHz IEEE 802.11n(HT40): 5mW/MHz		
Type of Modulation:	IEEE 802.11b mode: DSSS IEEE 802.11g/n mode: OFDM		
Antenna Type:	☐ External, ☒ Integrated		
Antenna Gain*:	☒ Provided by client		
	1.01dBi		
RF Cable*:	☒ Provided by client		
	0.5dB(0.6~1GHz)	0.8dB(1.4~2GHz)	1.0dB(2.1~2.7GHz)
	1.5dB(3~4GHz)	1.8dB(4.4~6GHz)	
power supply:	DC 21.2V From Adapter Input AC 100-240V~1.6A 50-60Hz;DC 18V From Battery		

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, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

2.2 Description of Support Units

The EUT has been tested independently.

2.3 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfa Road, Wusha Liwu, Chang′ an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

Remark：Our test report is under the quality assurance system according to ISO17025.

• FCC, USA
Designation Number: CN1348

• A2LA (Certificate No. 7050.01)
DONGGUAN DN TESTING CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 7050.01.

• Innovation, Science and Economic Development Canada
DONGGUAN DN TESTING CO., LTD. EMC Laboratory has been recognized by ISED as an accredited testing laboratory. CAB identifier is CN0149.
IC#: 30755.

2.4 Channel List

Operation Frequency of each channel (802.11b/g/n HT20)							
Channel	**Frequency**	**Channel**	**Frequency**	**Channel**	**Frequency**	**Channel**	**Frequency**
1	2412MHz	5	2432MHz	9	2452MHz	13	2472MHz
2	2417MHz	6	2437MHz	10	2457MHz		
3	2422MHz	7	2442MHz	11	2462MHz		
4	2427MHz	8	2447MHz	12	2467MHz		
Operation Frequency of each channel (802.11n HT40)							
Channel	**Frequency**	**Channel**	**Frequency**	**Channel**	**Frequency**	**Channel**	**Frequency**
3	2422MHz	6	2437MHz	9	2452MHz		
4	2427MHz	7	2442MHz	10	2457MHz		
5	2432MHz	8	2447MHz	11	2462MHz		

2.5 Test Environment and Mode

Operating Environment:	
Temperature:	20~25.0 ℃
Humidity:	45~56 % RH
Atmospheric Pressure:	101.0~101.30 KPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

2.6 Power Setting of Test Software

Software Name	EspRFTestTool_v2.8_Manual		
Frequency(MHz)	2412	2442	2472
IEEE 802.11b Setting	0	0	0
IEEE 802.11g Setting	0	0	0
IEEE 802.11n HT20 Setting	0	0	0
Frequency(MHz)	2422	2442	2462
IEEE 802.11n HT40 Setting	0	0	0

2.7 Test Mode

The test mode was selected for the final test as listed below.

Test Item	Mode	Date Rate	Test Channel
Frequency Tolerance	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Occupied Bandwidth&Spread Bandwidth&Spreading Rate	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Spurious Emission Intensity	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Antenna Power&Antenna Power Tolerance& EIRP Power	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Secondary Radiated Emissions	Receive	-	-
Carrier Sense	IEEE 802.11n HT40	MCS0	Low/Middle/High
Interference Prevention Function	Normal Use	-	-

2.8 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	DTS Bandwidth	±0.0196%
2	Maximum Conducted Output Power	±0.686 dB
3	Maximum Power Spectral Density Level	±0.743 dB
4	Band-edge Compliance	±1.328 dB
5	Unwanted Emissions In Non-restricted Freq Bands	9KHz-1GHz:±0.746dB 1GHz-26GHz: ±1.328dB

2.9 Equipment List

For Connect EUT Antenna Terminal Test						
Description	Manufacturer	Model	Serial Number	Cal date	Due date	correcting mechanism
Signal Generator	Keysight	N5181A-6G	MY48180415	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Signal Generator	Keysight	N5182B	MY57300617	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Power supply	Keysight	E3640A	ZB2022656	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Radio Communication Tester	R&S	CMW500	105082	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Spectrum Analyzer	Aglient	N9010A	MY52221458	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
BT/WIFI Test Software	Tonscend	JS1120 V3.1.83	NA	NA	NA	NA
RF Control Unit	Tonscend	JS0806-2	22F8060581	NA	NA	NA
Power Sensor	Anritsu	ML2495A	2129005	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Pulse Power Sensor	Anritsu	MA2411B	1911397	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
temperature and humidity box	SCOTEK	SCD-C40-80PRO	6866682020008	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Voltmetre	FLUKE	F15B PRO	59755315WS	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.

Note:

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

□ (a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act.

□ (b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act.

☒ (c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act.

□ (d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above.

3 Test Results

3.1 Radio Technical Requirements Specification

Table 1: Radio Technical Requirements Specification for 2.4 GHz band wide-band low-power data communication system (Item 19 of Article 2-1)

Items	Technical standard
Assigned frequency or designated frequency	2400-2483.5MHz
Communication method	One-way communication, simplex, semi-duplex, or duplex operation of digital signal transmission including spread spectrum
Tolerance of frequency ($\times 10^{-6}$)	≤ ±50 ppm
Tolerance of occupied bandwidth	Others: 26MHz or less
Antenna Gain	12.14dBi or less
Antenna power	(1) FH,FH+DS,FH+OFDM (using 2427MHz~2470.75MHz) : ≤ 3mW/MHz (2) Spread spectrum system,but other than (1): ≤10mW/MHz (3) OFDM, but other than (1) When occupied bandwidth ≤ 26MHz: ≤10mW/MHz When 26MHz < occupied bandwidth ≤ 40MHz: ≤5mW/MHz (4) other than (1),(2),(3): ≤10mW (1) DSSS& OFDM When occupied bandwidth ≤ 26MHz: ≤12.14dBm/MHz (For Omni-directional antenna) (2) OFDM When 26MHz < occupied bandwidth ≤ 40MHz: ≤9.13dBm/MHz (For Omni-directional antenna)
Tolerance of spurious emission intensity	(< 2387 MHz: 2.5μW/MHz 2387 to 2400 MHz: 25μW/MHz 2483.5 through 2496.5 MHz: 25μW/MHz > 2496.5 MHz: 2.5μW/MHz
Spreading bandwidth	DS, FH, FH+DS, FH+OFDM: 500kHz or more
Spreading rate of spectrum	For DS system;(Spreading bandwidth) / (Frequency corresponding to transmission rate) ≥ 5
Limit of secondary radiated emissions	(1) Below 1 GHz: 4nW (2) 1 GHz or higher: 20nW
Interference prevention function	Shall have the function of automatic transmission and reception of identification sign.
Structure	Shall be of the structure that the RF and modulator sections excluding antenna cannot easily be opened.
Note	DS: Direct spread FH: Frequency hopping OFDM: Orthogonal frequency division multiplexing

3.2 E.U.T. test conditions

<table>
<tr><td rowspan="6">Power Supply:</td><td colspan="4">Lithium Battery (DC 18V)</td></tr>
<tr><td colspan="4">During the input supply voltage to the EUT from the external power source is varied by ±10%, the fluctuation of input voltage to the circuit of RF unit of test equipment is exceed ±1%. So, all measurement has been conducted by normal and limit voltage.</td></tr>
<tr><td colspan="4">The measurement result of the voltage fluctuation at RF circuit when DC 18V +/- 10%.</td></tr>
<tr><td colspan="2">DC Input</td><td>input voltage to the circuit</td><td>Deviation</td></tr>
<tr><td>High Voltage</td><td>19.8V</td><td>3.3V</td><td>0%</td></tr>
<tr><td>Normal Voltage</td><td>18V</td><td>3.3V</td><td>0%</td></tr>
<tr><td></td><td>Low Voltage</td><td>16.2V</td><td>3.3V</td><td>0%</td></tr>
<tr><td>Test Frequencies:</td><td colspan="4">If the EUT can be set to 3 of more different (carrier) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L, M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.</td></tr>
</table>

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3.3 Antenna Requirement

Standard requirement

Applicable for equipment with an antenna terminal, including testing terminals) If an antenna connector is available, all relevant tests will be carried out conducted. If not, tests will be carried out in an anechoic room or with a suitable test-fixture.

The antenna is integrated antenna on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.01dBi.

Result: An antenna connector is available, all relevant tests will be carried out conducted.

3.4 Carrier Sense

3.4.1 Limit

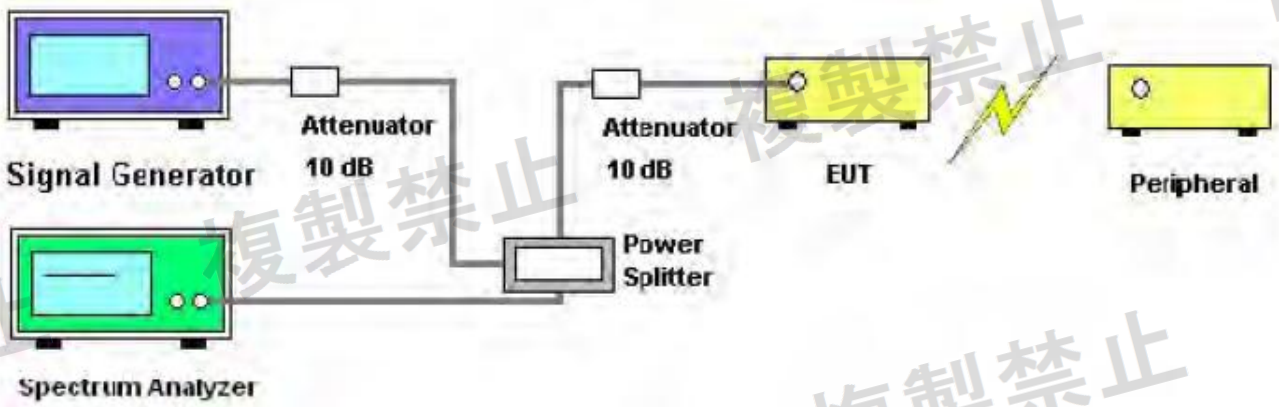
Radio equipment using OFDM method shall provide a carrier sensing function when the occupied bandwidth of its transmitting device is over 26MHz and 40Mhz or less.The equipment shall be capable to detect any regular carrier frequency with a field strength of 100mV/meter or less.

Note:

Consider 100 mV / meter for E as the starting point ,the corresponding antenna voltage for the receiver can be found by:

Antenna Voltage (in dBm)=22.79 + Max Antenna Gain - 20×Log f (f in MHz)

3.4.2 Test Setup



3.4.3 Spectrum Analyzer and Signal Generator Setting

Spectrum Analyzer Setting :

Spectrum Parameters	Setting
RBW	1MHz
VBW	Approximately same as the resolution bandwidth
Span	50MHz
Trigger condition	Free run
Detector	Positive peak
Trace Mode	Max Hold

Signal Generator Setting

Parameters	Setting
Center Frequency	Test frequency
Modulation	Unmodulation
Output Level	22.79 + Max Antenna Gain - 20×Log f (f in MHz)

3.4.4 Test Procedure

a. Connect the test equipment and EUT according to the test setup.
b. Spectrum analyzer setting parameters in accordance with section 8.3.
c. Turn off the signal generator,set the EUT to transmission state with Peripheral equipment.
d. Turn on the signal generator, using spectrum analyzer to observe whether EUT does not transmit radio waves.
e. Repeat above procedures until all channel were measured.
f. Record the results in the test report.

3.4.5 Environment Conditions of Test Site

Temperature	24.7℃	Relative Humidity	53%

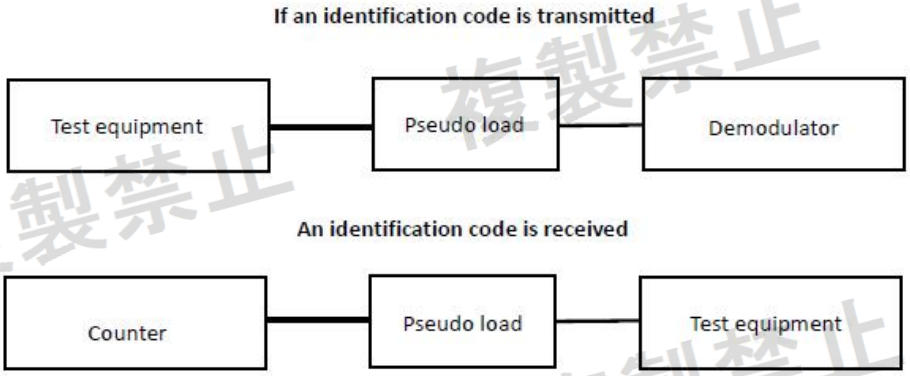
3.4.6 Test Result

Test Voltage	DC 18V		
Test Mode	Test Frequency (MHz)	Interference Level (dBm)	Result
IEEE 802.11n HT40	2422	-40.53	GOOD
	2442	-41.79	GOOD
	2462	-42.25	GOOD

3.4.7 Interference prevention function

1） Measurement system diagram

(a) When transmitting identification code



2） Condition of measuring instrument

(b) 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.

4） Measuring operation procedure

(a) 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.



5） Test result: The unit does meet the requirements (Good).

PASS

3.4.8 RF accessibility

Standard requirement

Article 49-20, paragraph 1 (a)

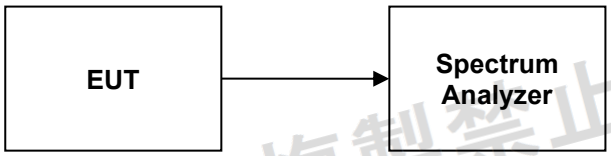
The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

Test Result



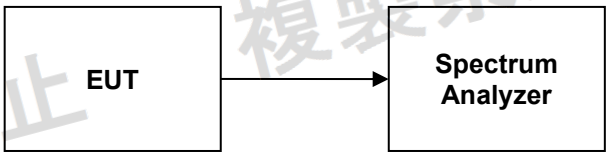
RF and Modulation parts are mounted on PCB with surface mount technology.

3.5 Frequency Error

Limit:	Tolerance of frequency: ±50×10^{-6}
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Test the EUT in transmitting mode without modulation.
Temperature:	23.5 °C
Humidity:	47.1 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping OFF, CW Tx 3. Spectrum Analyzer conditions: Frequency: Test Frequency Span 1MHz RBW 10 kHz (Modulation OFF), VBW 10 kHz (Modulation OFF), Sweep Time Auto Detector mode Positive peak Indication mode Max hold

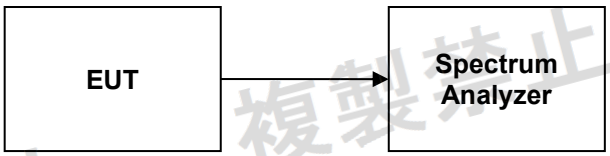
Test Result: Refer to section 4: Appendix A

3.6 Occupied Bandwidth (99%)

Limit:	OFDM: 40 MHz or less DSSS: 26 MHz or less
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	48.2 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. 3. Spectrum Analyzer conditions: Frequency: Test Frequency Span:2-3.5 times the acceptable value RBW 300 KHz VBW 300 KHz Sweep Time Auto detector mode Sample Indication mode Max hold OBW 99%

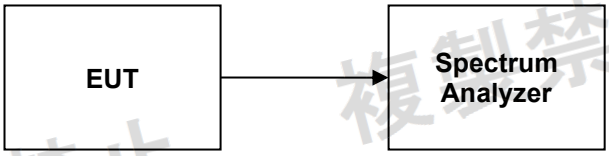
Test Result: Refer to section 4: Appendix B

3.7 Spread Bandwidth(90%)

Limit:	≥0.5MHz
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	48.2 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	
Test Procedure:	4. Test Conditions: Spectrum Analyzer is used for measurement. 5. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. 6. Spectrum Analyzer conditions: Frequency: Test Frequency Span:2-3.5 times the acceptable value RBW 300 KHz VBW 300 KHz Sweep Time Auto detector mode Sample Indication mode Max hold OBW 90%

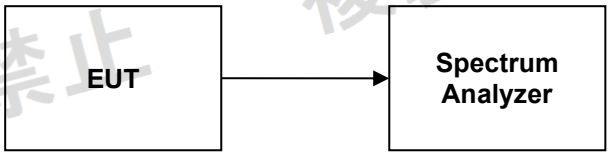
Test Result: Refer to section 4: Appendix C

3.8 Antenna Power

<table>
<tr><td>Limit:</td><td>20MHz system:10mW/MHz or less, EIRP≤ 12.14dBm/MHz
40MHz system: 5mW/MHz or less, EIRP≤ 9.13dBm/MHz</td></tr>
<tr><td>Text Method:</td><td>MIC Notice No.88 Appendix No.43</td></tr>
<tr><td>Test Status:</td><td>Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.</td></tr>
<tr><td>Temperature:</td><td>23.5 °C</td></tr>
<tr><td>Humidity:</td><td>51 % RH</td></tr>
<tr><td>Atmospheric Pressure:</td><td>101.0kPa -101.3 kPa</td></tr>
<tr><td>Test Configuration:</td><td> 
</td></tr>
<tr><td>Test Procedure:</td><td>Step1 :
<table>
<tr><td>Spectrum Parameters</td><td>Setting</td></tr>
<tr><td>Center Frequency</td><td>Test Frequency</td></tr>
<tr><td>RBW</td><td>1MHz</td></tr>
<tr><td>VBW</td><td>About 3 times the resolution bandwidth</td></tr>
<tr><td>Span</td><td>Approximately twice wider than the occupied bandwidth</td></tr>
<tr><td>Sweep Time</td><td>Minimum amount of time to ensure measurement accuracy (in the case of burst waves, one burst per sample)</td></tr>
<tr><td>Trigger Conditions</td><td>Free run</td></tr>
<tr><td>Data Points</td><td>Over 400 points</td></tr>
<tr><td>Sweep Mode</td><td>Continuous sweep</td></tr>
<tr><td>Detector</td><td>Positive peak</td></tr>
<tr><td>Trace Mode</td><td>Max hold</td></tr>
</table>
Step2 :
<table>
<tr><td>Spectrum Parameters</td><td>Setting</td></tr>
<tr><td>Center Frequency</td><td>Frequencies providing maximum power density (acquired frequencies during search)</td></tr>
<tr><td>RBW</td><td>1MHz</td></tr>
<tr><td>VBW</td><td>Comparable to resolution bandwidth.</td></tr>
<tr><td>Span</td><td>Zero</td></tr>
<tr><td>Sweep Mode</td><td>Continuous sweep</td></tr>
</table></td></tr>
</table>

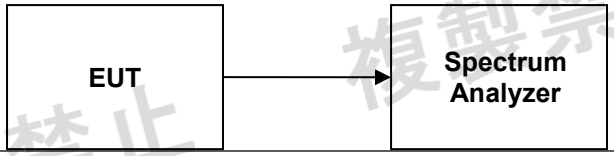
Test Result: Refer to section 4: Appendix D

3.9 Spurious Emissions of Tx

Limit:	< 2387MHz ≤ 2.5μW/MHz 2387 ~ 2400MHz ≤ 25μW/MHz 2483.5 ~ 2496.5MHz ≤ 25μW/MHz >2496.5MHz ≤ 2.5μW/MHz
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5°C
Humidity:	51 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. 3. Spectrum Analyzer conditions: Step 1: All spurious are measured from 30 MHz to 13 GHz by peak mode. Step 2: IF the value measured by Step1 is 2 dB or less, measure in average mode. Test setup for Step 1: Frequency: 30MHz~2400MHz, 2483.5MHz~13GHz RBW 1 MHz VBW 1 MHz Sweep Time Auto detector mode Positive peak Indication mode Max hold Test setup for Step 2: Frequency: Spurious Frequency RBW 1 MHz VBW 1 MHz Sweep Time Auto detector mode Sample Indication mode Max hold

Test Result: Refer to section 4: Appendix E

3.10 Spurious Emissions of Rx

Text Method:	MIC Notice No.88 Appendix No.43
Limit:	(1) Below 1 GHz: ≤ 4 nW (2) Above 1 GHz: ≤ 20 nW
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	56 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal 3. Spectrum Analyzer conditions: Step 1: All spurious are measured from 30 MHz to 13 GHz by peak mode. Step 2: IF the value measured by Step1 is 2 dB or less, measure in average mode. Test setup for Step 1: Frequency: 30 MHz –13 GHz RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) Sweep Time Auto detector mode Positive peak Indication mode Max hold Test setup for Step 2: Frequency: Spurious Frequency Span 0 Hz RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) Sweep Time Auto detector mode Sample Indication mode Max hold

Test Result: Refer to section 4: Appendix F

4 Appendix

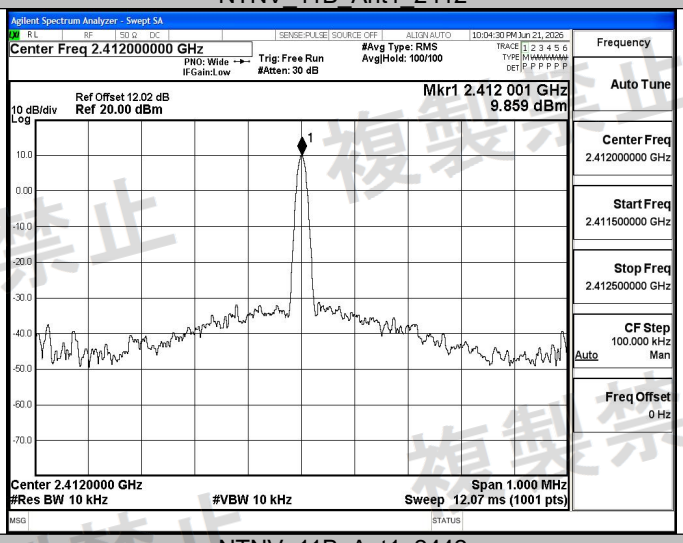
Appendix A: Frequency Error

Test Result

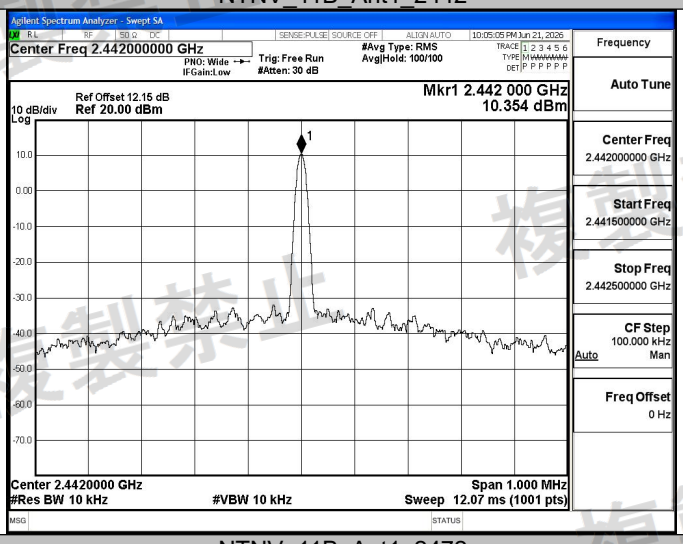
TestCondition	TestMode	Antenna	Freq(MHz)	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	11B	Ant1	2412	2412.001	0.41459	±50	PASS
			2442	2442	0.00000	±50	PASS
			2472	2472	0.00000	±50	PASS
	11G	Ant1	2412	2411.999	-0.41459	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2472	2472	0.00000	±50	PASS
	11N20SISO	Ant1	2412	2411.999	-0.41459	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11N40SISO	Ant1	2422	2421.999	-0.41288	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2462	2462	0.00000	±50	PASS
NTLV	11B	Ant1	2412	2412	0.00000	±50	PASS
			2442	2442	0.00000	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11G	Ant1	2412	2411.999	-0.41459	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11N20SISO	Ant1	2412	2411.999	-0.41459	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11N40SISO	Ant1	2422	2421.999	-0.41288	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2462	2462	0.00000	±50	PASS
NTHV	11B	Ant1	2412	2412	0.00000	±50	PASS
			2442	2442	0.00000	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11G	Ant1	2412	2411.999	-0.41459	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11N20SISO	Ant1	2412	2411.999	-0.41459	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2472	2471.999	-0.40453	±50	PASS
	11N40SISO	Ant1	2422	2421.999	-0.41288	±50	PASS
			2442	2441.999	-0.40950	±50	PASS
			2462	2461.999	-0.40617	±50	PASS

Test Graphs

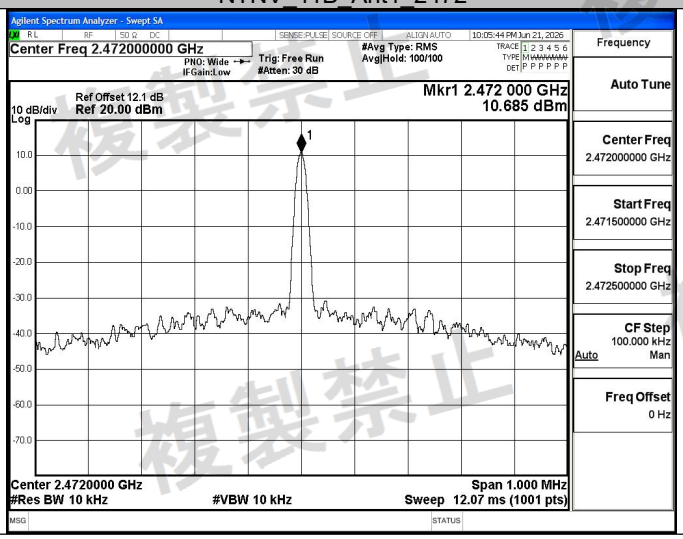
NTNV_11B_Ant1_2412



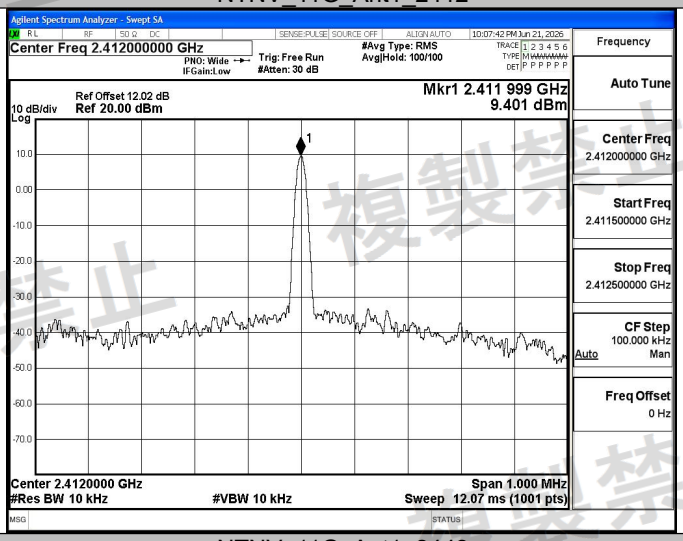
NTNV_11B_Ant1_2442



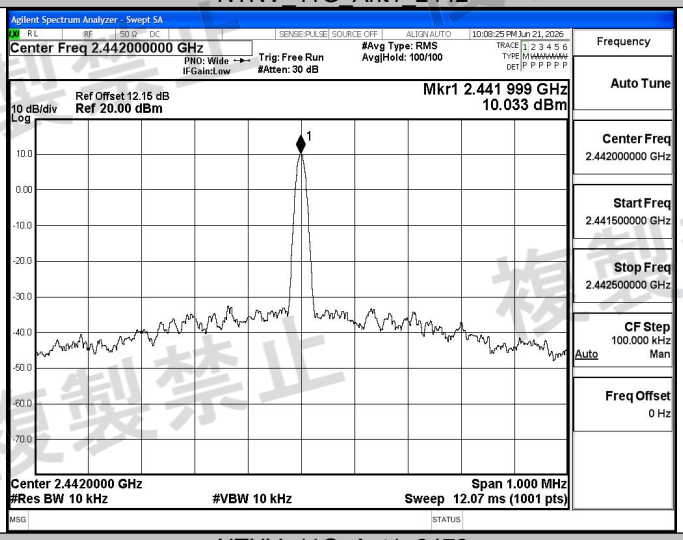
NTNV_11B_Ant1_2472



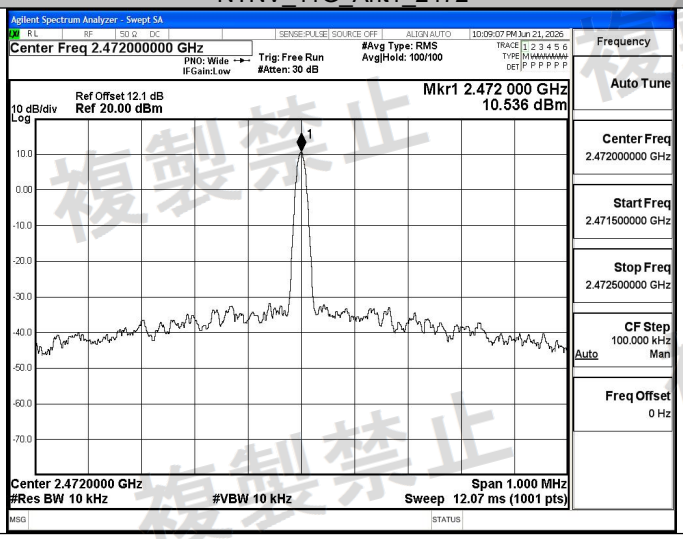
NTNV_11G_Ant1_2412



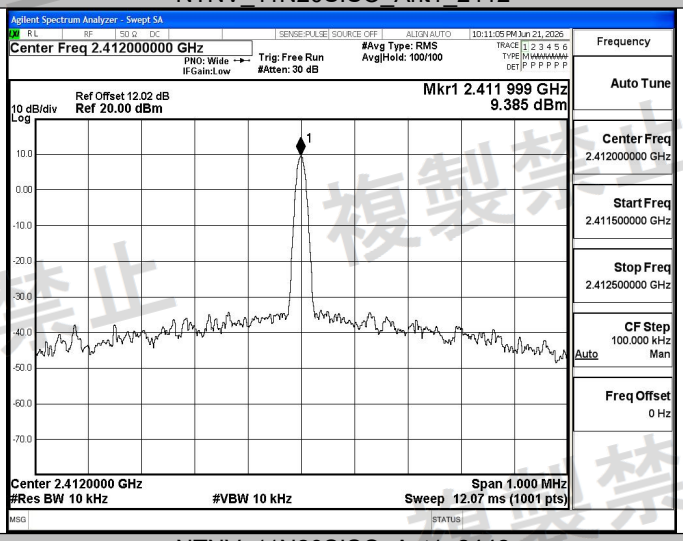
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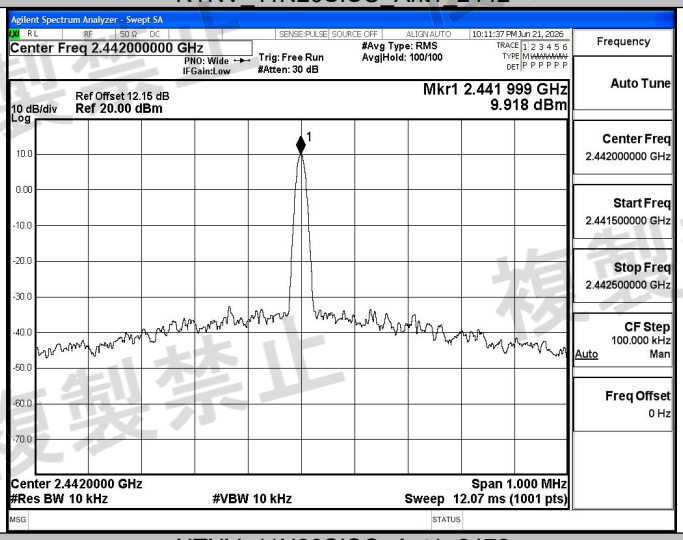
NTNV_11G_Ant1_2472



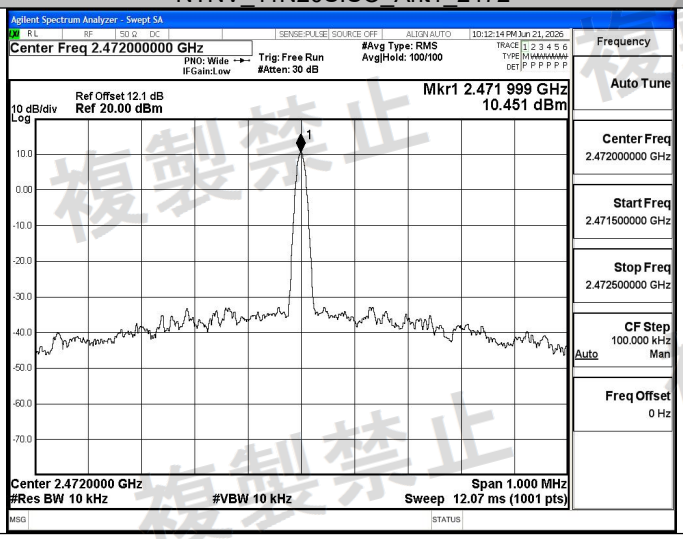
NTNV_11N20SISO_Ant1_2412



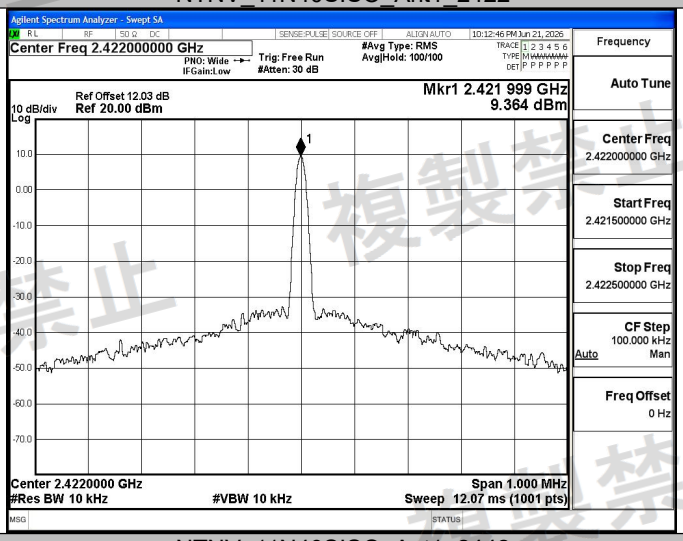
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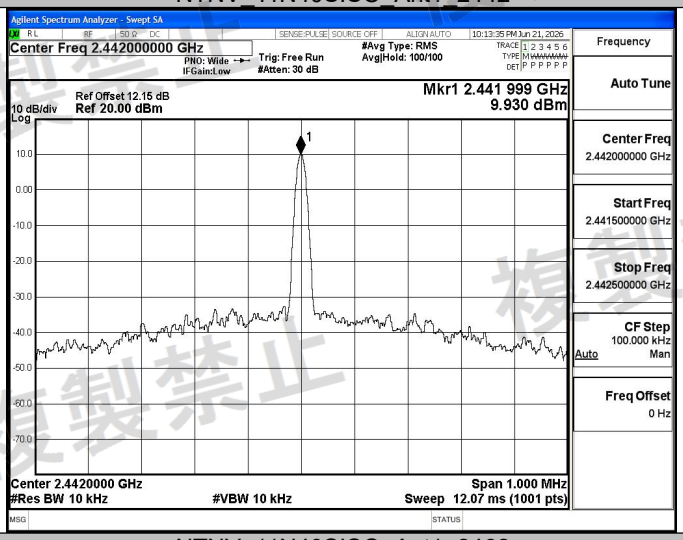
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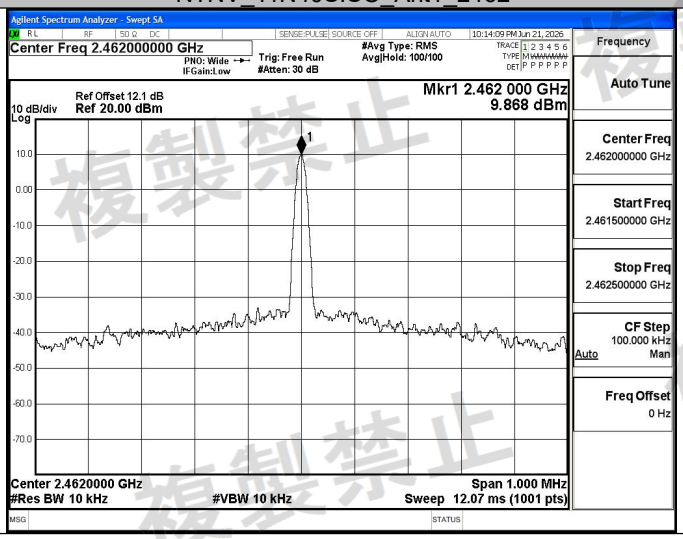
NTNV_11N40SISO_Ant1_2422



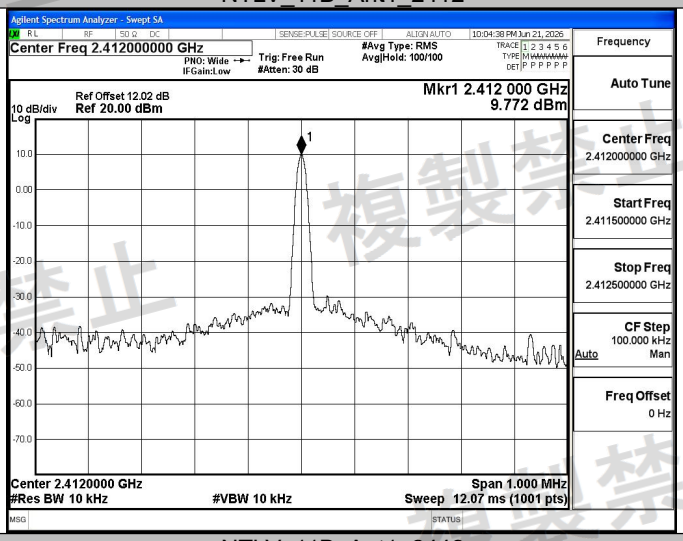
NTNV_11N40SISO_Ant1_2442



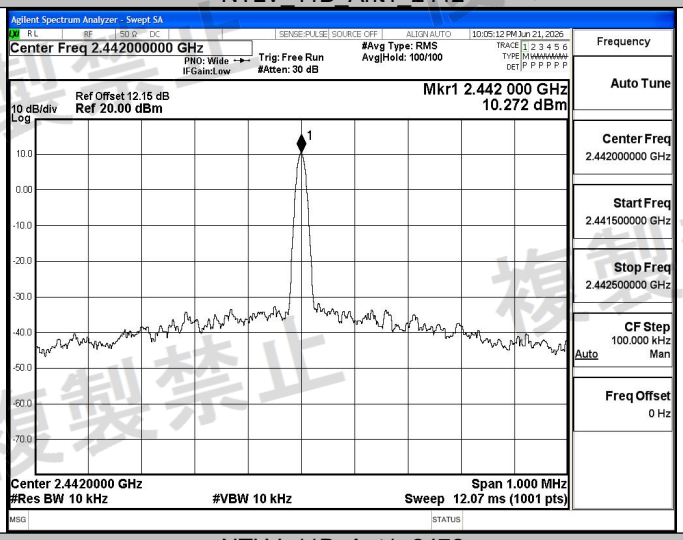
NTNV_11N40SISO_Ant1_2462



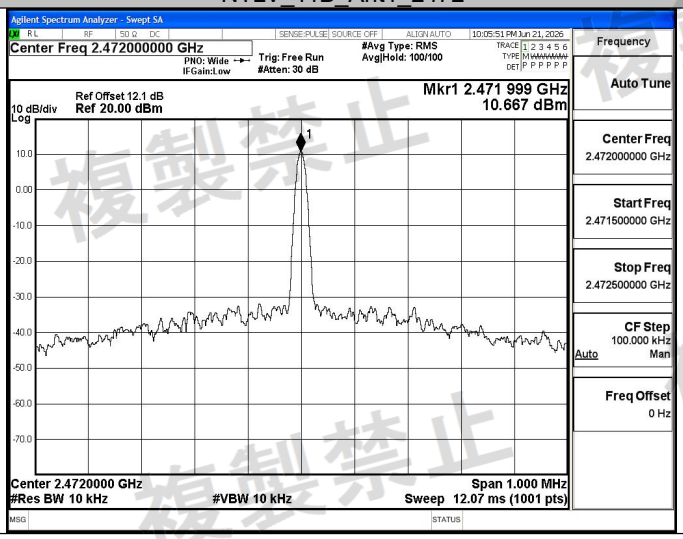
NTLV_11B_Ant1_2412



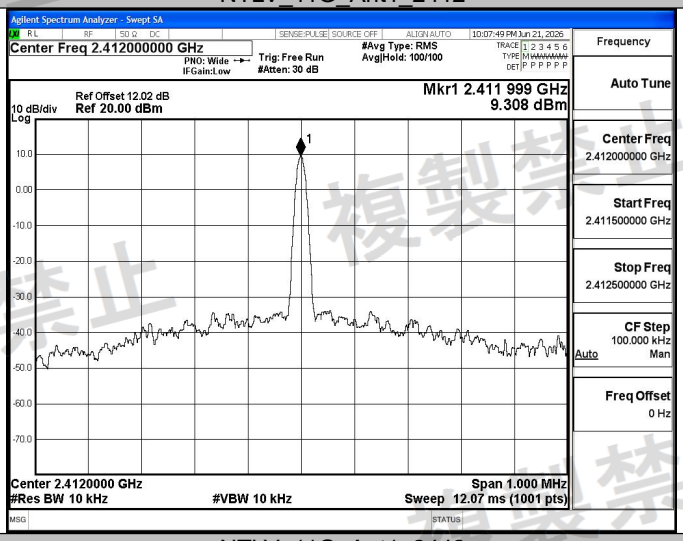
NTLV_11B_Ant1_2442



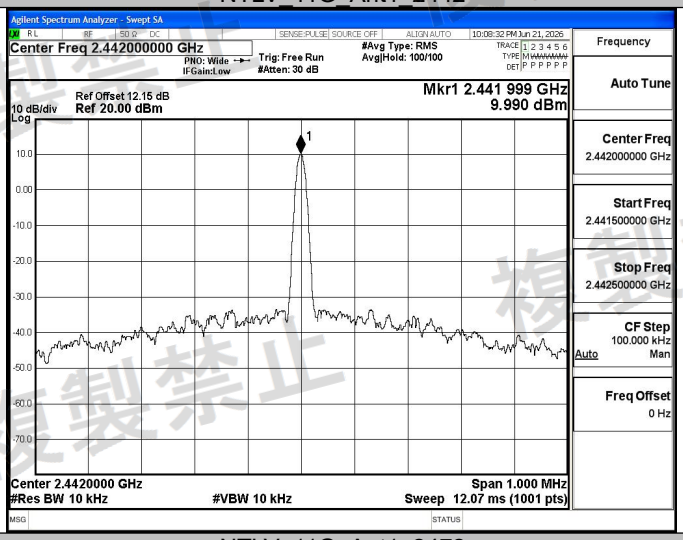
NTLV_11B_Ant1_2472



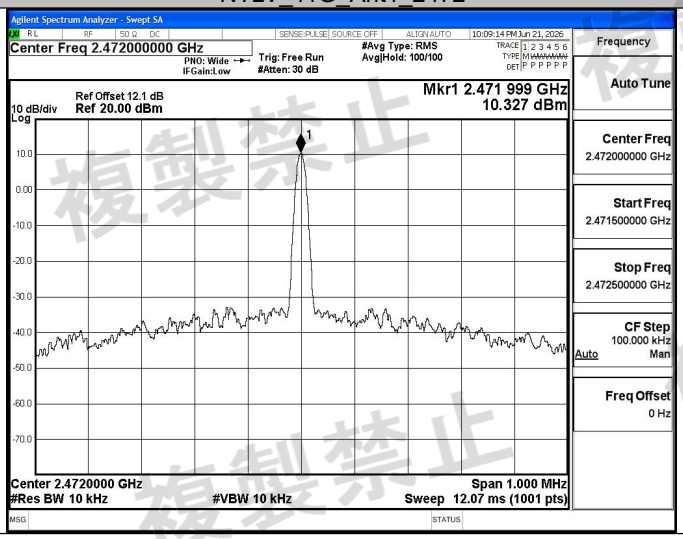
NTLV_11G_Ant1_2412



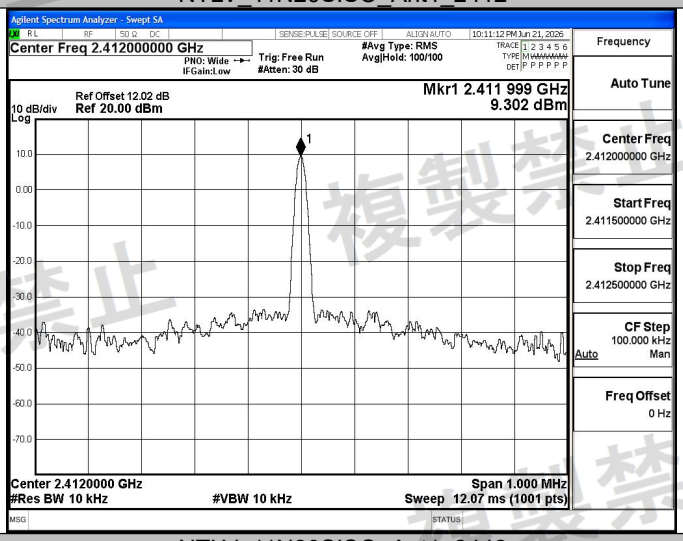
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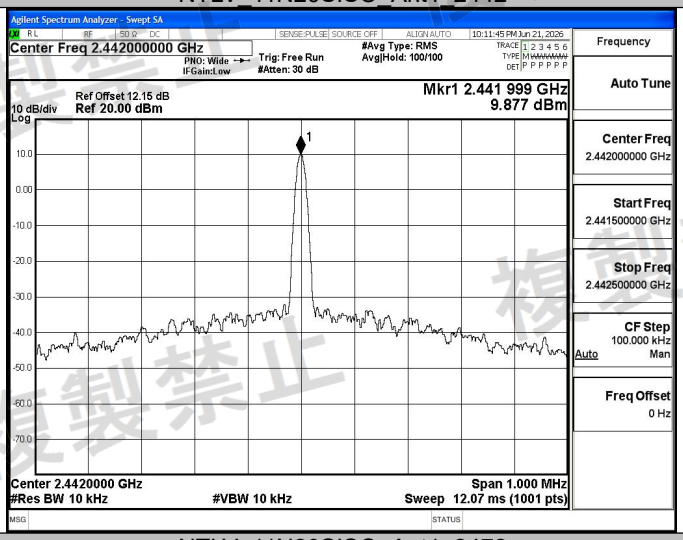
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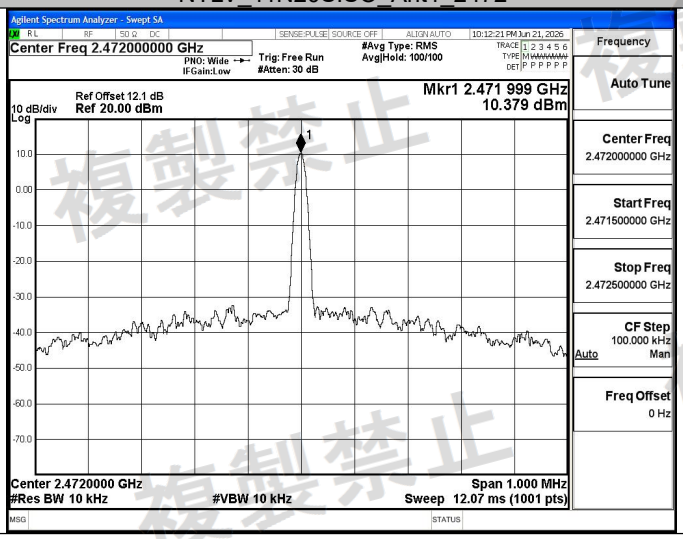
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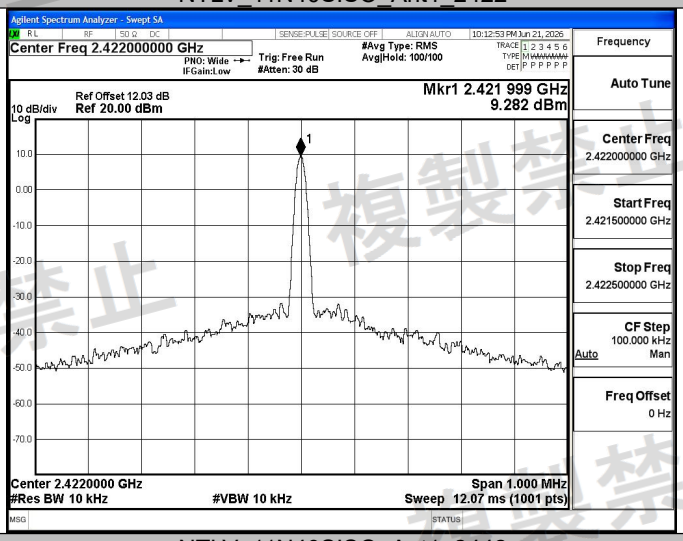
NTLV_11N20SISO_Ant1_2442



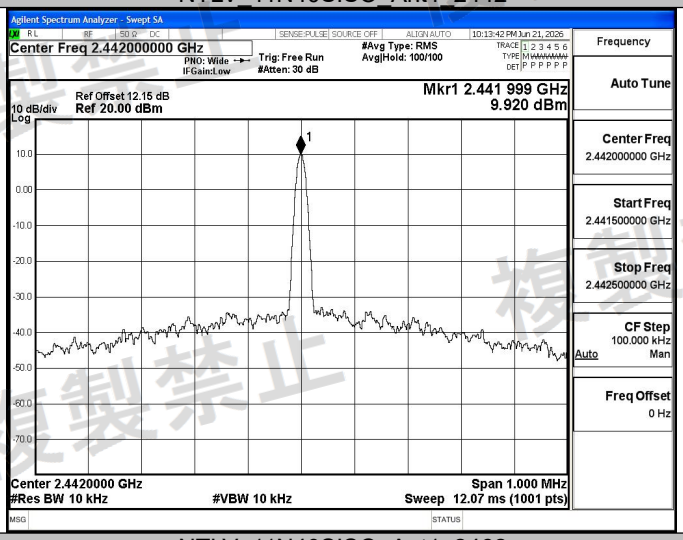
NTLV_11N20SISO_Ant1_2472



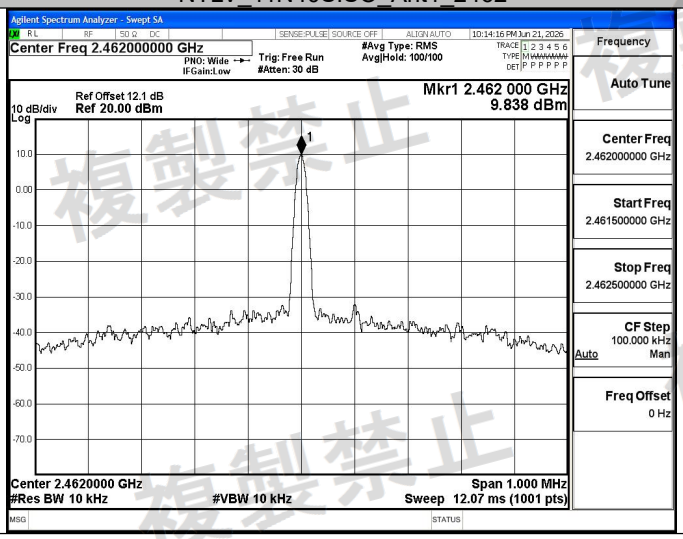
NTLV_11N40SISO_Ant1_2422



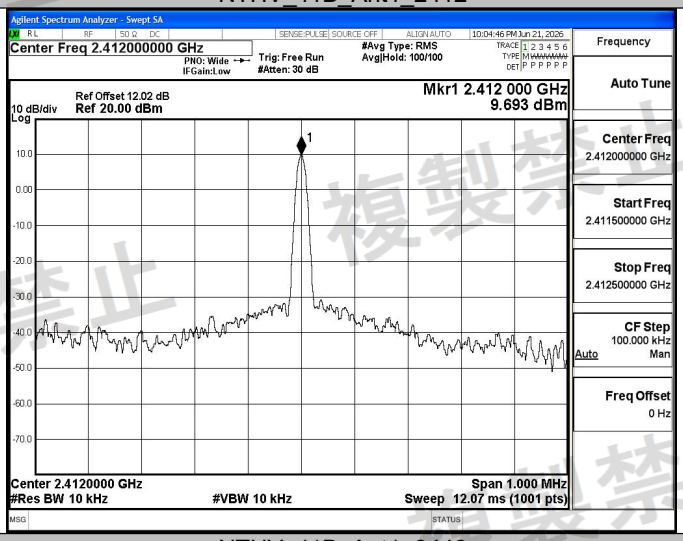
NTLV_11N40SISO_Ant1_2442



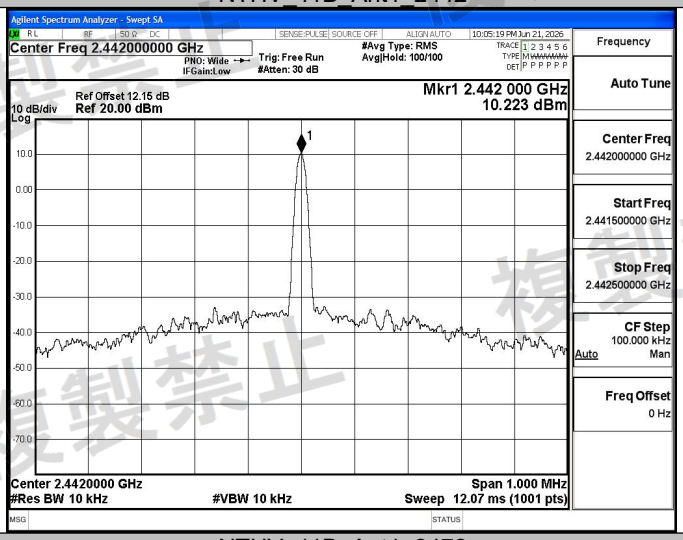
NTLV_11N40SISO_Ant1_2462



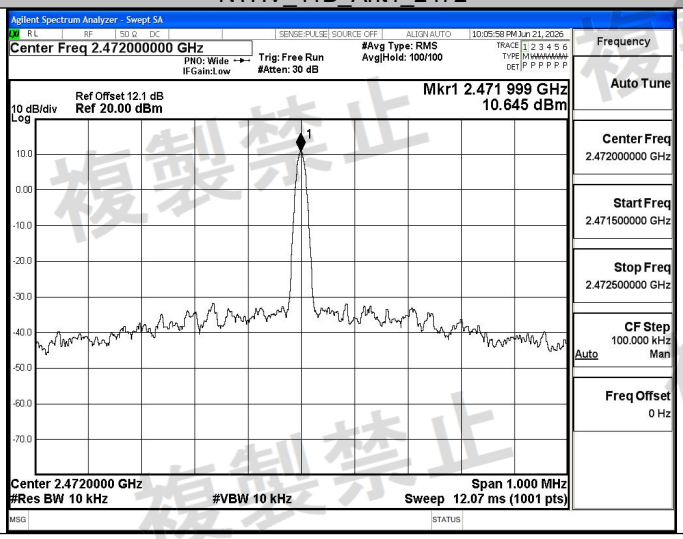
NTHV_11B_Ant1_2412



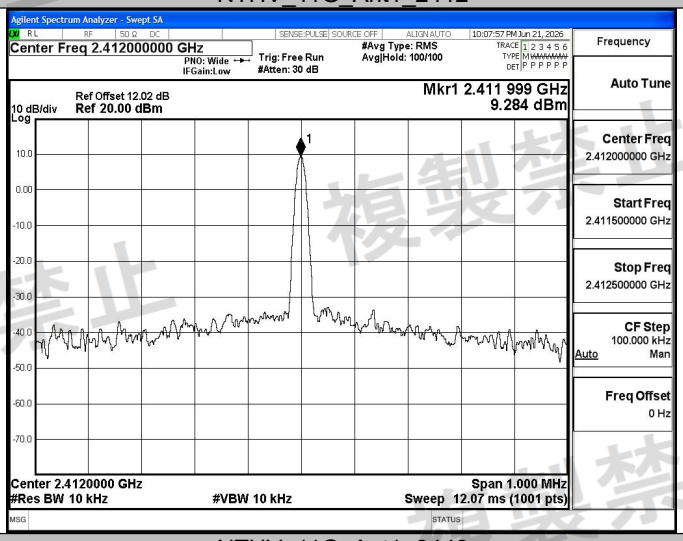
NTHV_11B_Ant1_2442



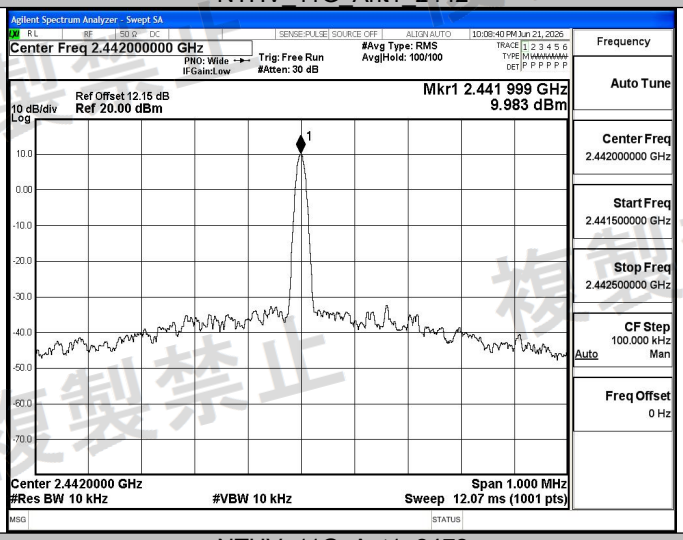
NTHV_11B_Ant1_2472



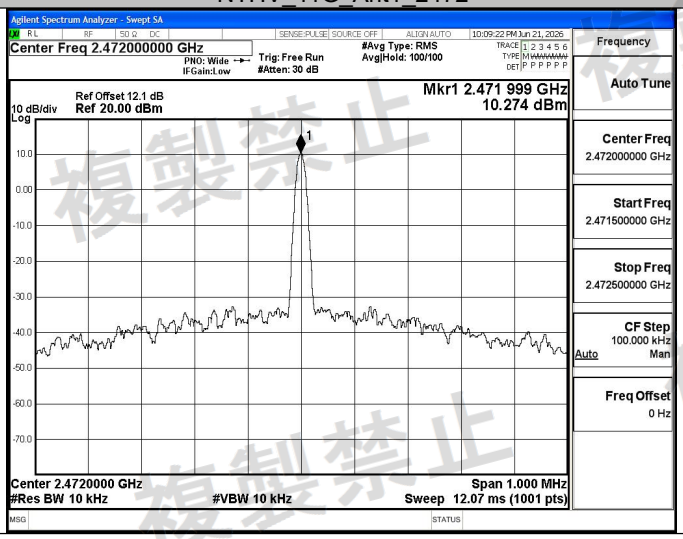
NTHV_11G_Ant1_2412



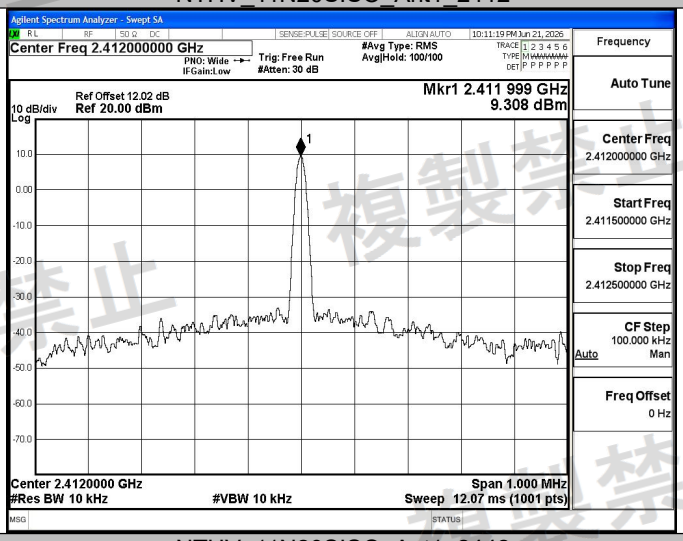
NTHV_11G_Ant1_2442



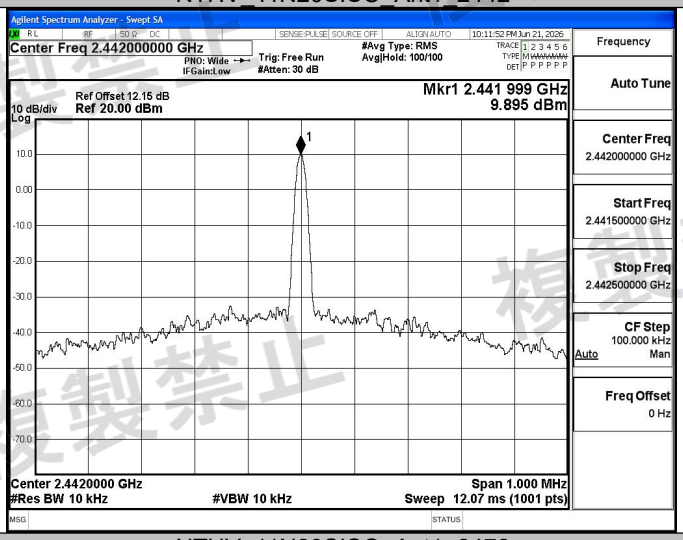
NTHV_11G_Ant1_2472



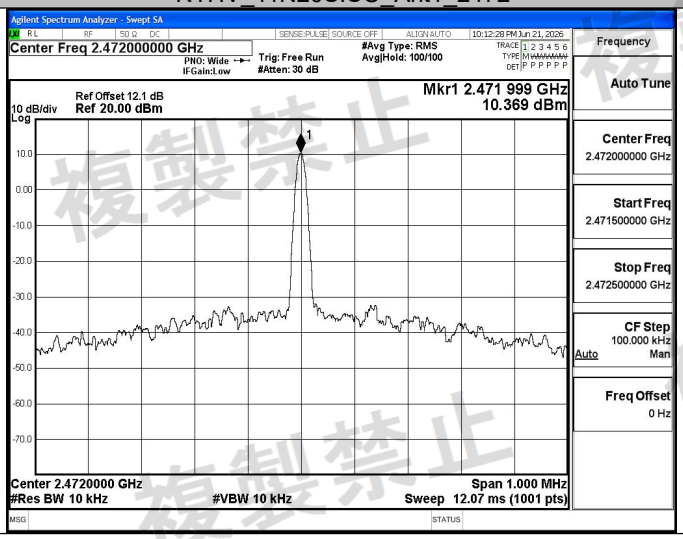
NTHV_11N20SISO_Ant1_2412



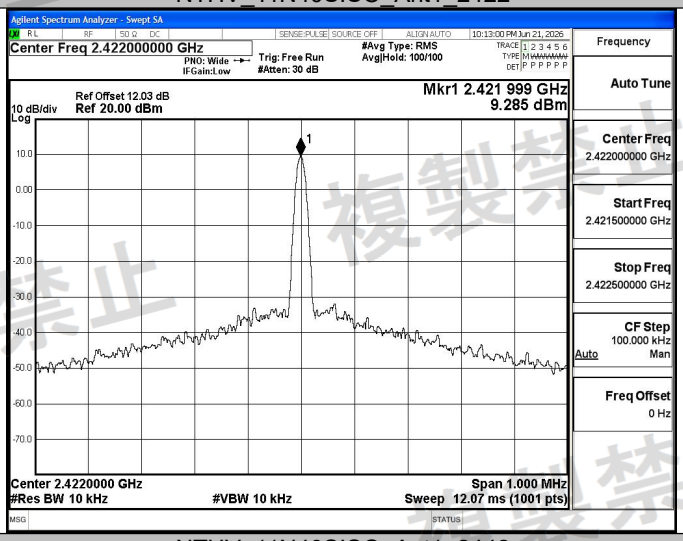
NTHV_11N20SISO_Ant1_2442



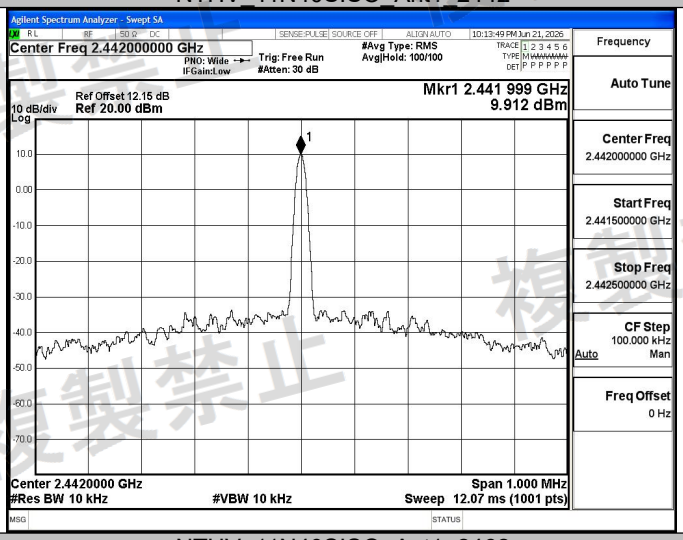
NTHV_11N20SISO_Ant1_2472



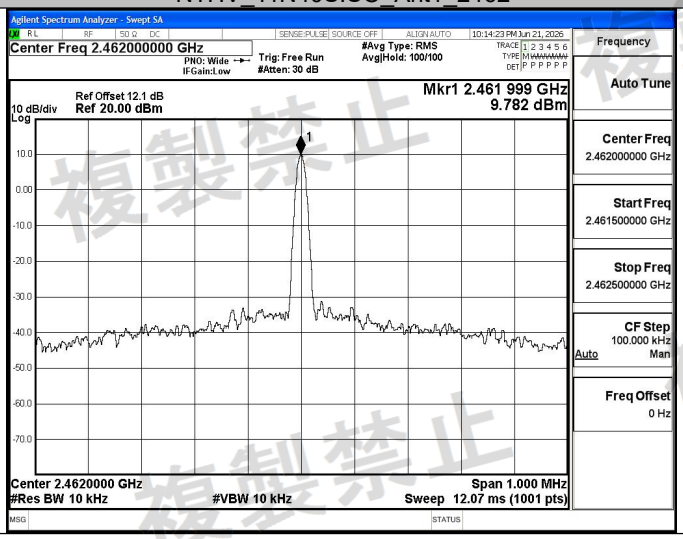
NTHV_11N40SISO_Ant1_2422



NTHV_11N40SISO_Ant1_2442



NTHV_11N40SISO_Ant1_2462



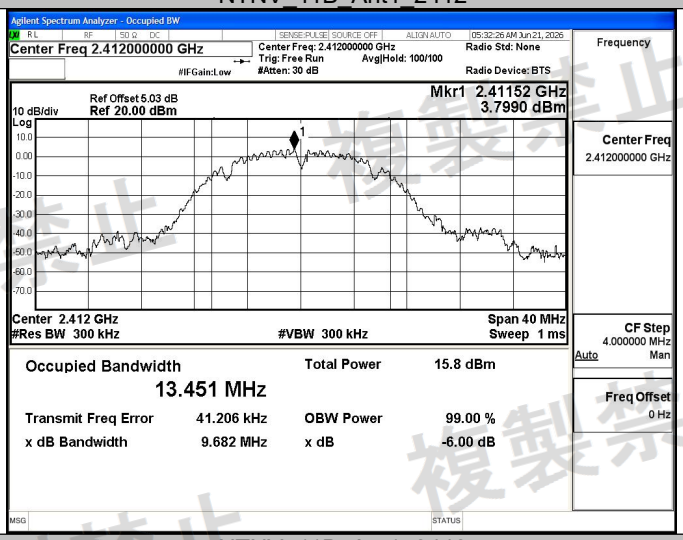
Appendix B: Occupied Bandwidth

Test Result

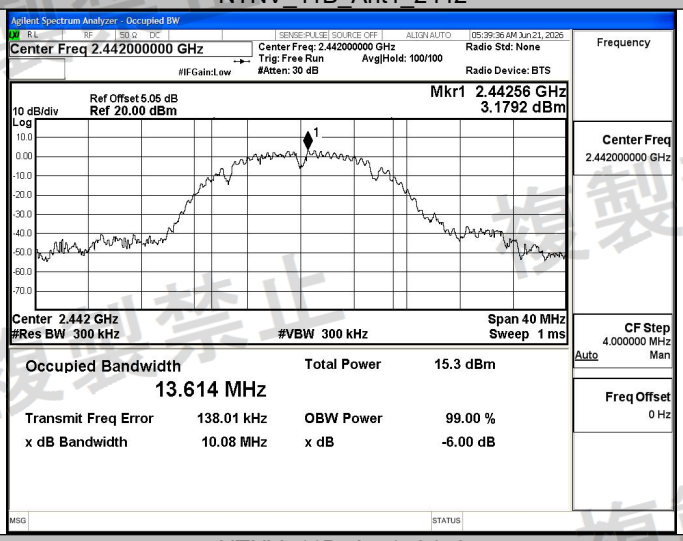
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.451	≤26	PASS
			2442	13.614	≤26	PASS
			2472	13.436	≤26	PASS
	11G	Ant1	2412	16.964	≤26	PASS
			2442	17.002	≤26	PASS
			2472	17.313	≤26	PASS
	11N20SISO	Ant1	2412	18.224	≤26	PASS
			2442	18.102	≤26	PASS
			2472	18.124	≤26	PASS
	11N40SISO	Ant1	2422	36.408	26-40	PASS
			2442	36.616	26-40	PASS
			2462	36.516	26-40	PASS
NTLV	11B	Ant1	2412	13.516	≤26	PASS
			2442	13.575	≤26	PASS
			2472	13.438	≤26	PASS
	11G	Ant1	2412	16.925	≤26	PASS
			2442	16.866	≤26	PASS
			2472	17.149	≤26	PASS
	11N20SISO	Ant1	2412	18.150	≤26	PASS
			2442	18.057	≤26	PASS
			2472	18.121	≤26	PASS
	11N40SISO	Ant1	2422	36.630	26-40	PASS
			2442	36.609	26-40	PASS
			2462	36.511	26-40	PASS
NTHV	11B	Ant1	2412	13.472	≤26	PASS
			2442	13.568	≤26	PASS
			2472	13.438	≤26	PASS
	11G	Ant1	2412	16.917	≤26	PASS
			2442	17.182	≤26	PASS
			2472	17.066	≤26	PASS
	11N20SISO	Ant1	2412	18.094	≤26	PASS
			2442	18.110	≤26	PASS
			2472	18.074	≤26	PASS
	11N40SISO	Ant1	2422	36.657	26-40	PASS
			2442	36.581	26-40	PASS
			2462	36.488	26-40	PASS

Test Graphs

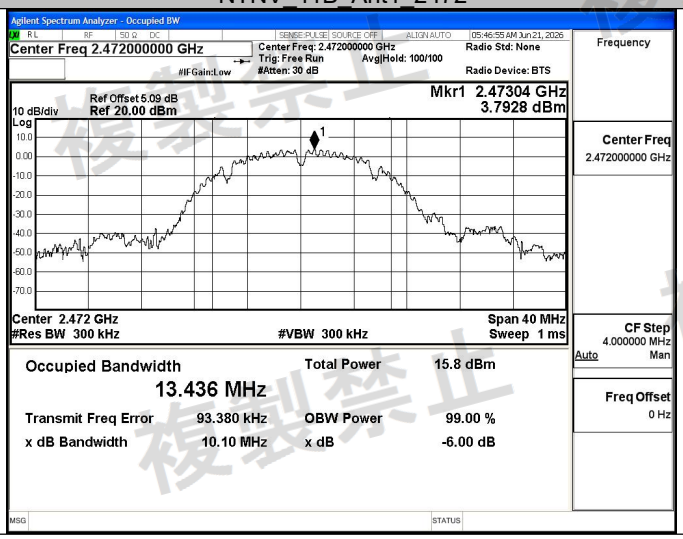
NTNV_11B_Ant1_2412



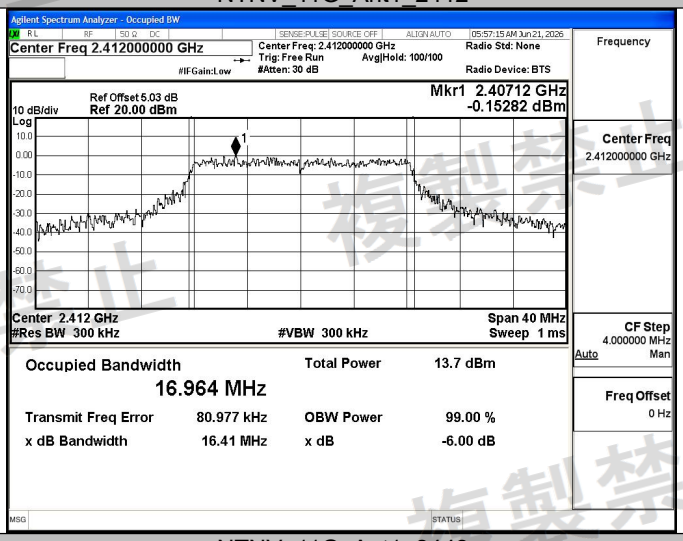
NTNV_11B_Ant1_2442



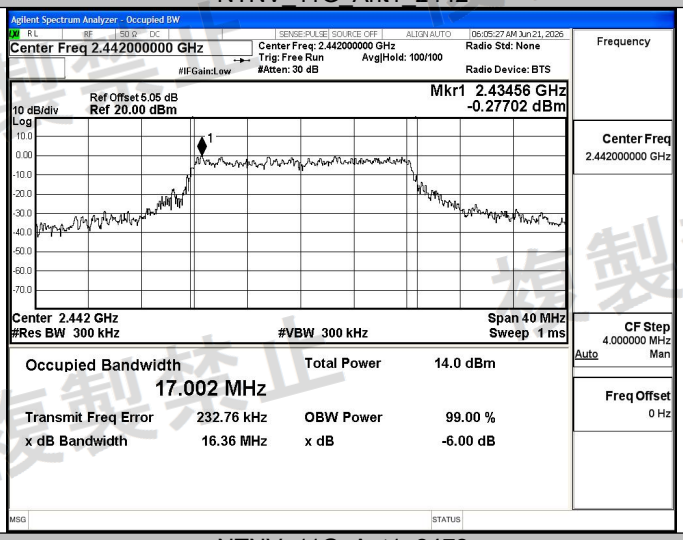
NTNV_11B_Ant1_2472



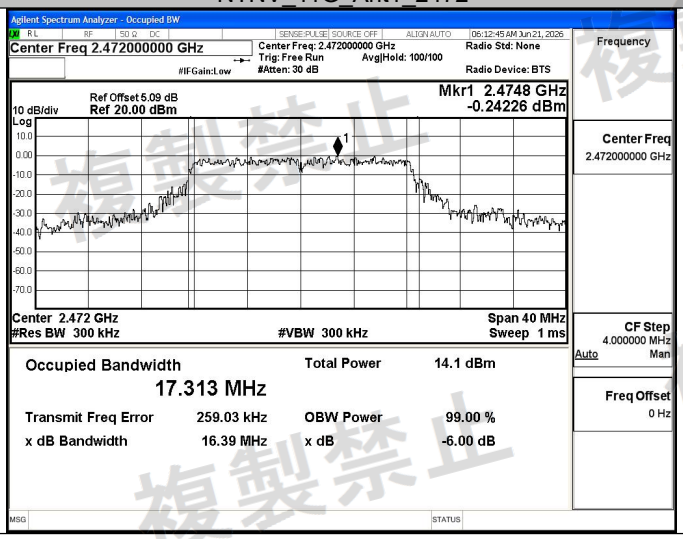
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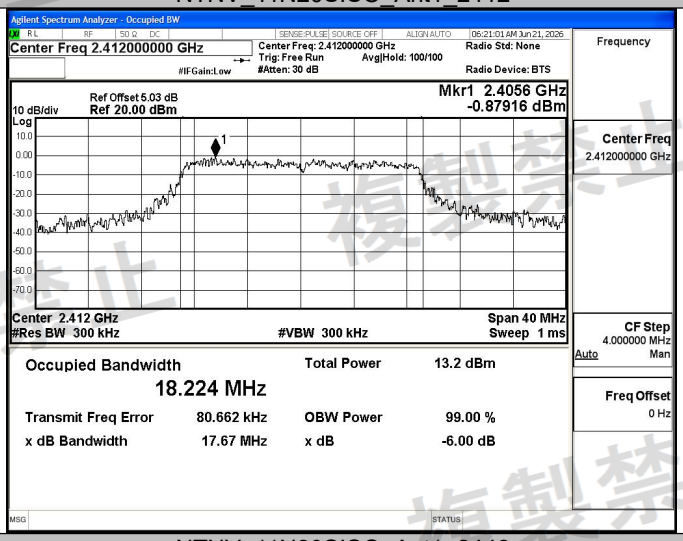
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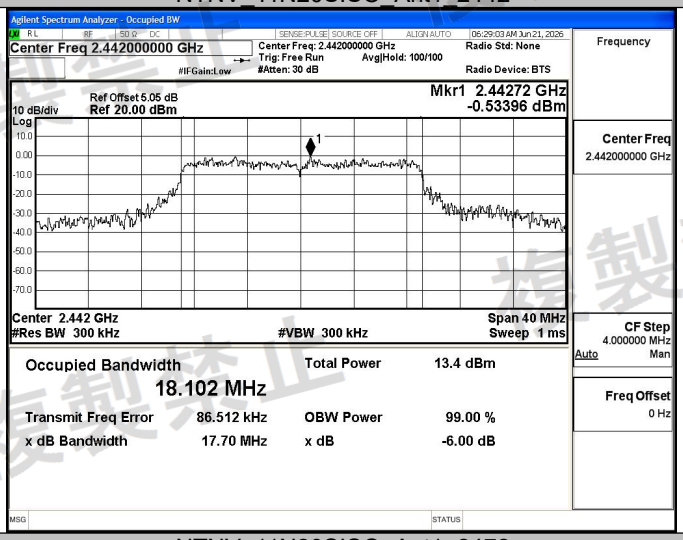
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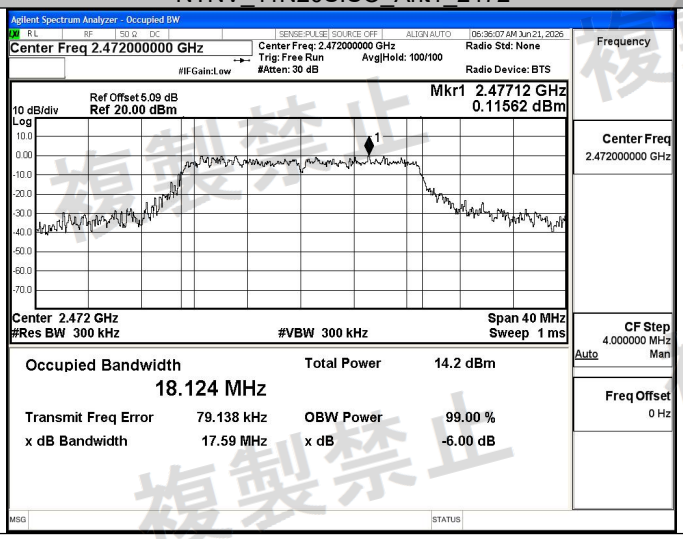
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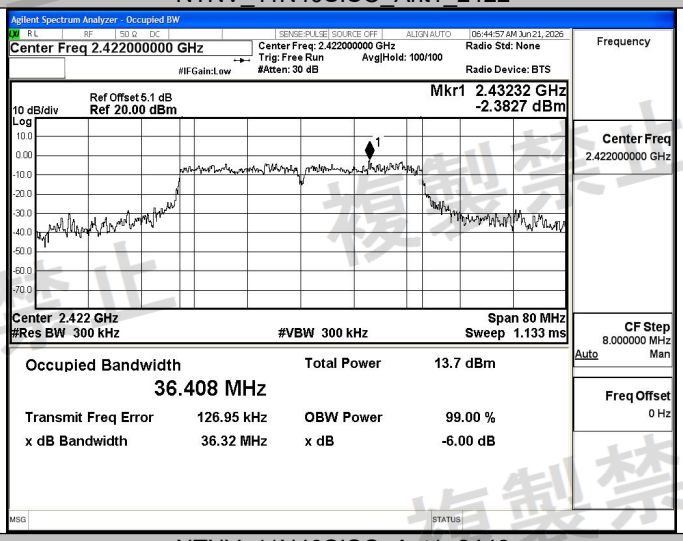
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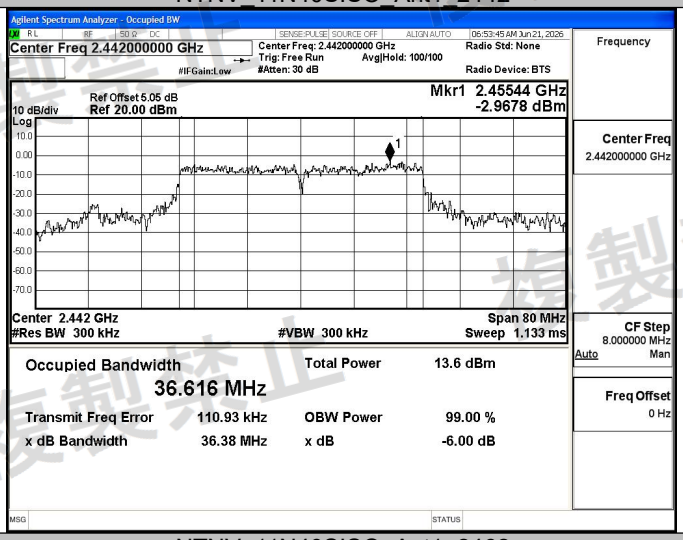
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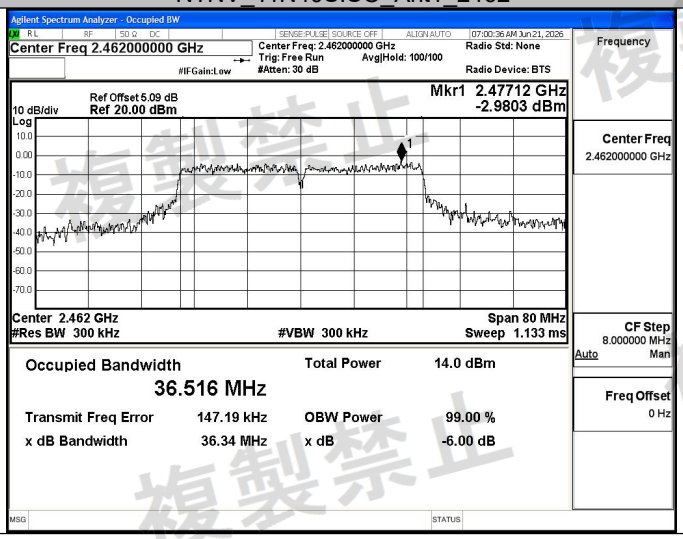
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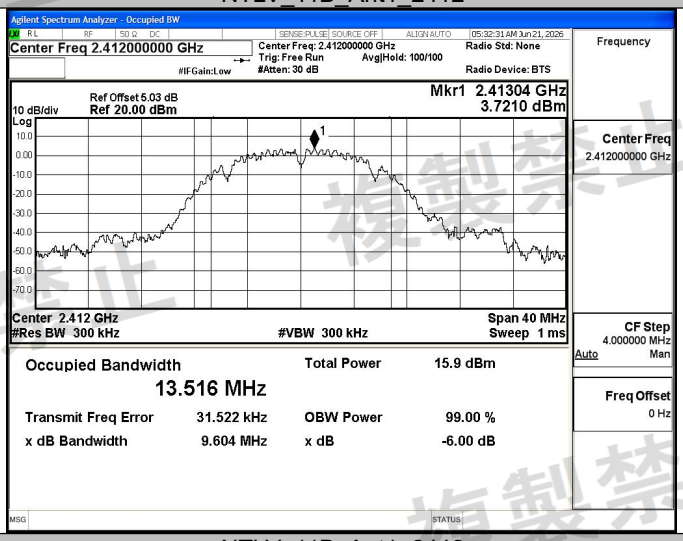
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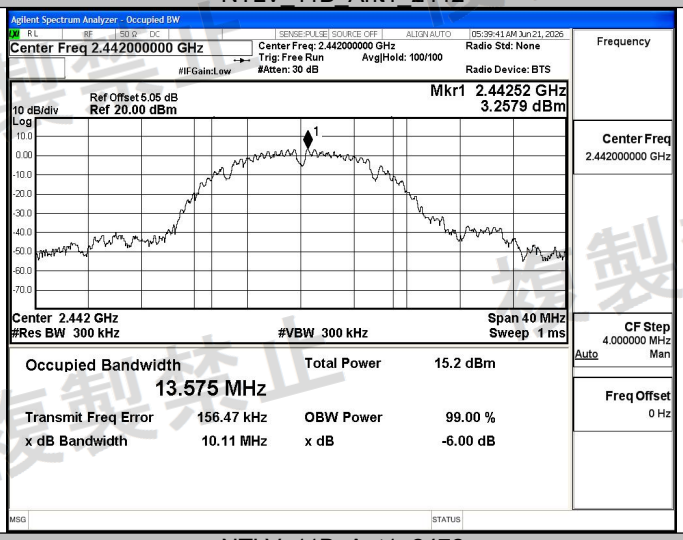
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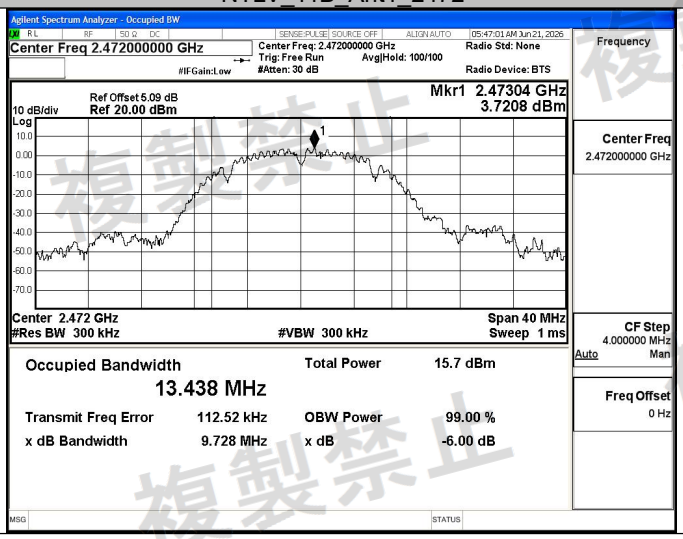
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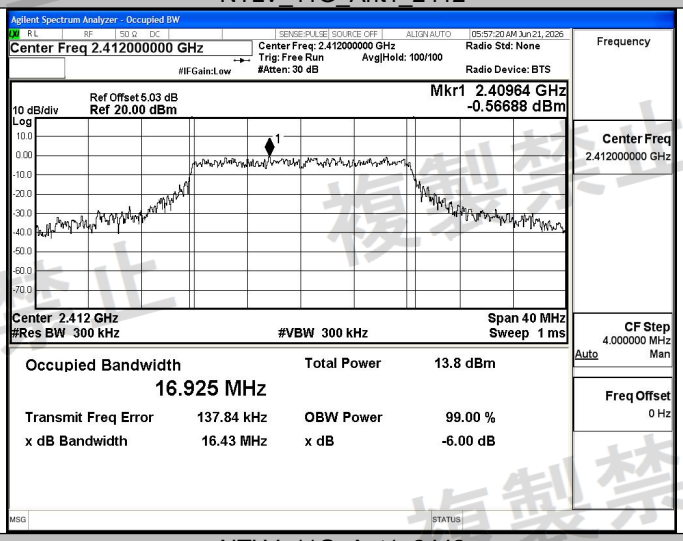
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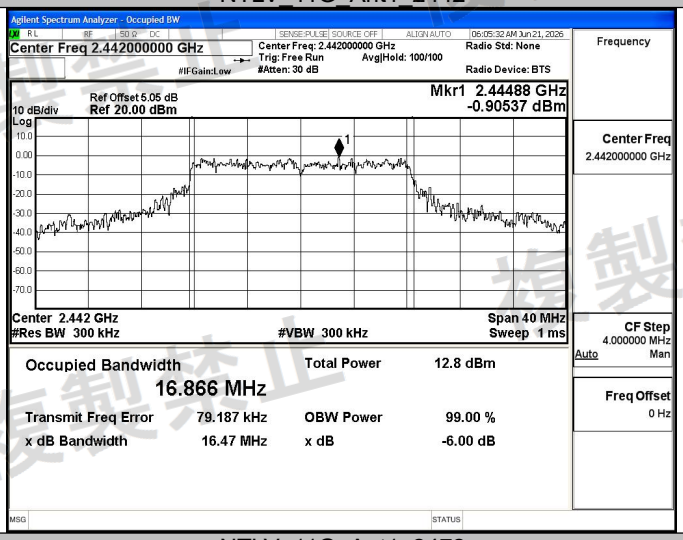
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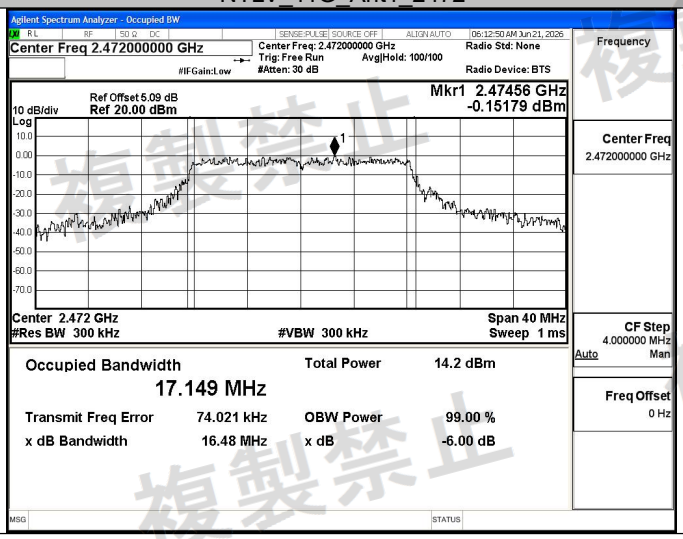
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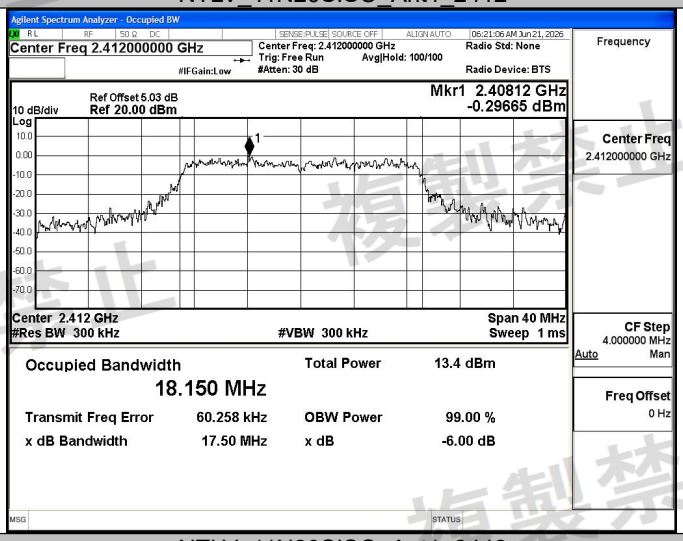
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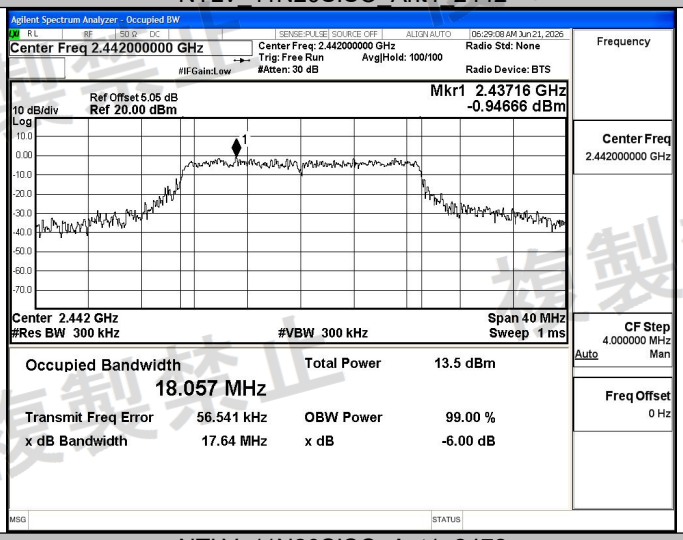
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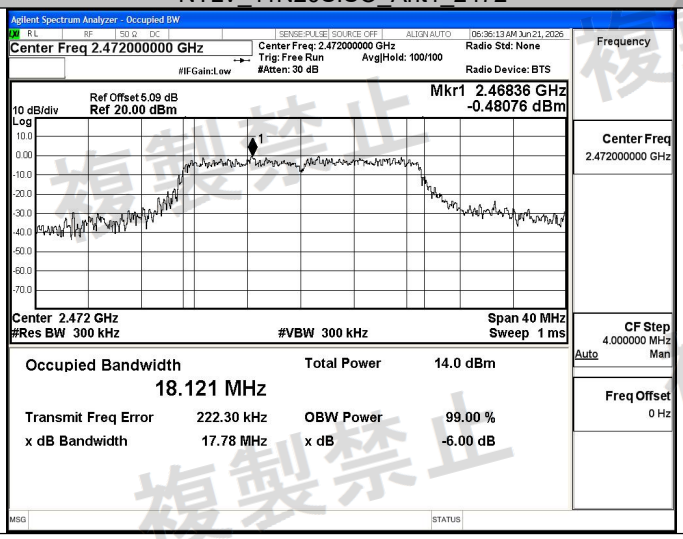
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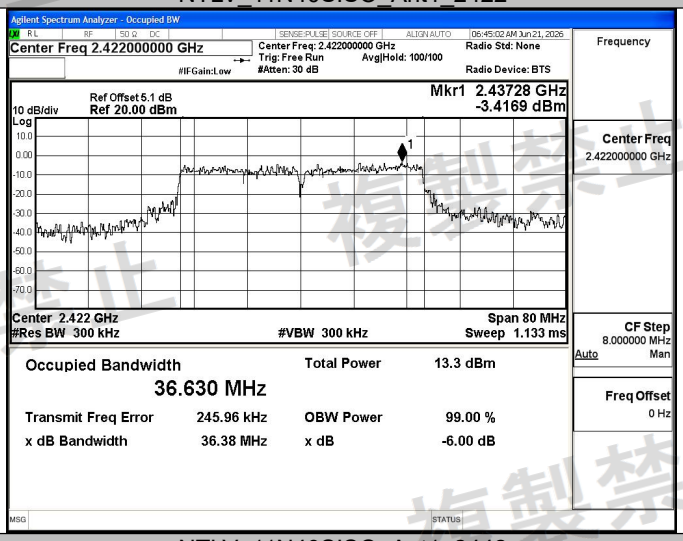
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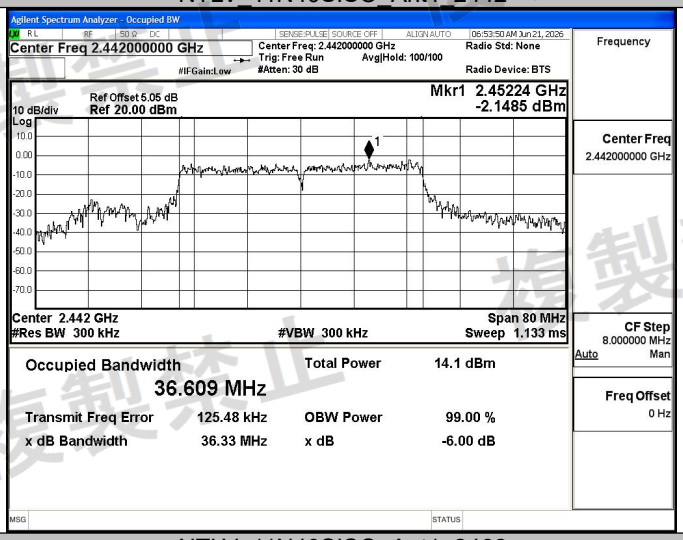
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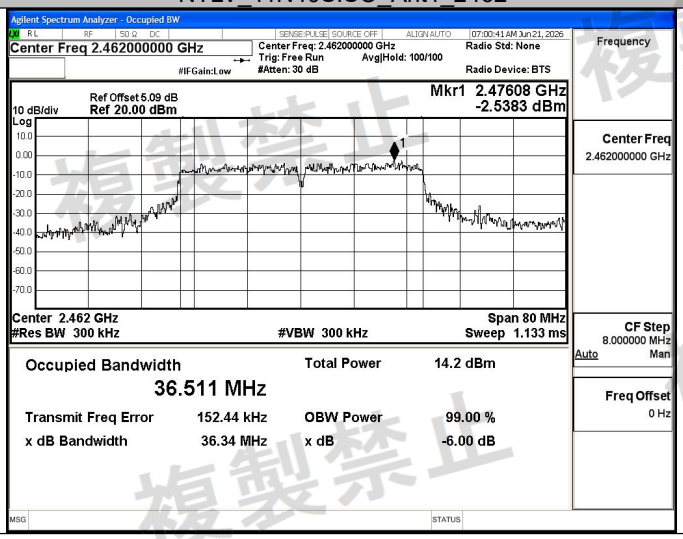
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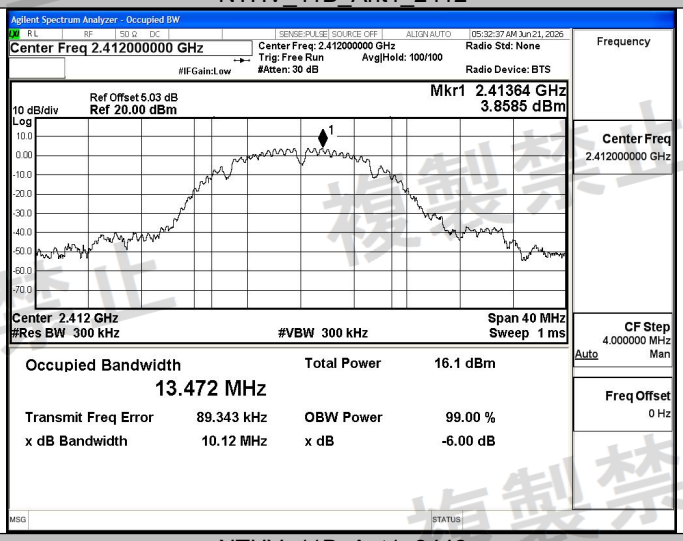
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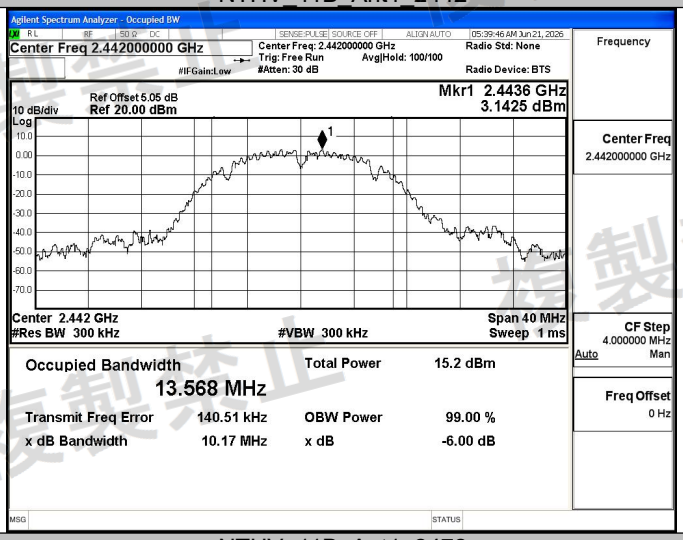
NTLV_11N40SISO_Ant1_2462



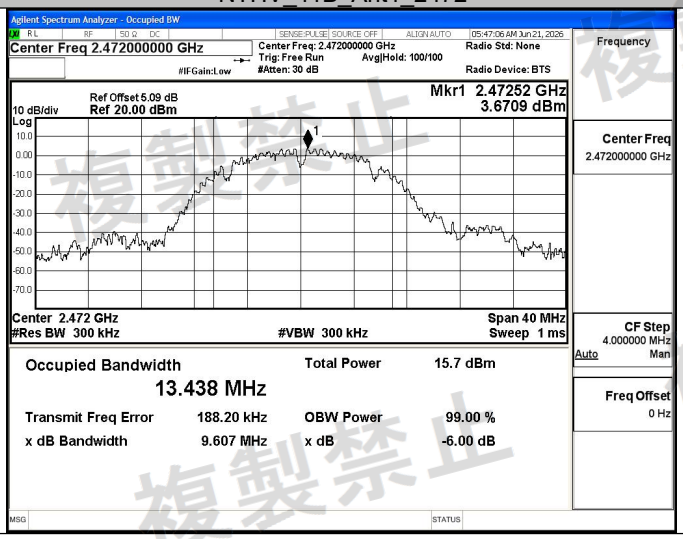
NTHV_11B_Ant1_2412



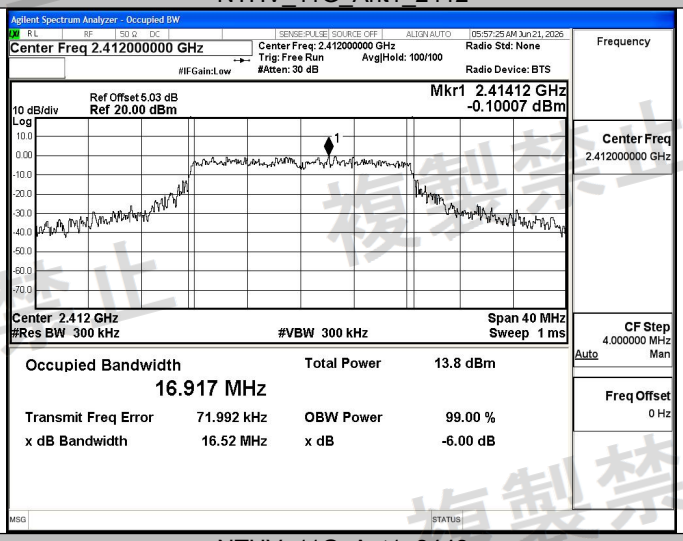
NTHV_11B_Ant1_2442



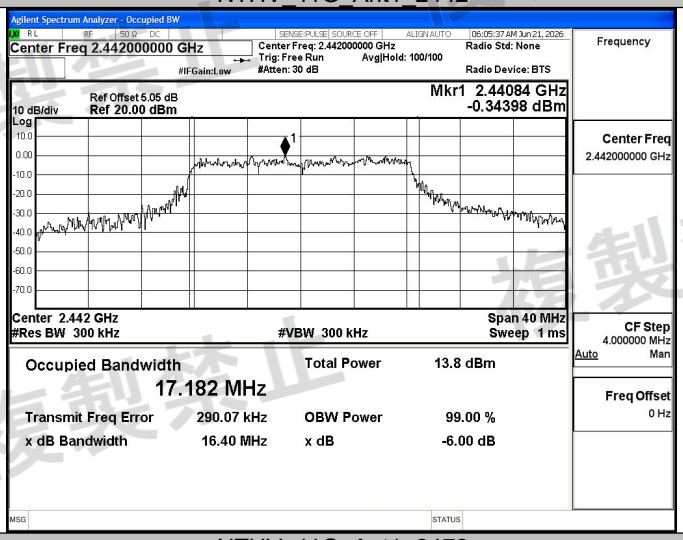
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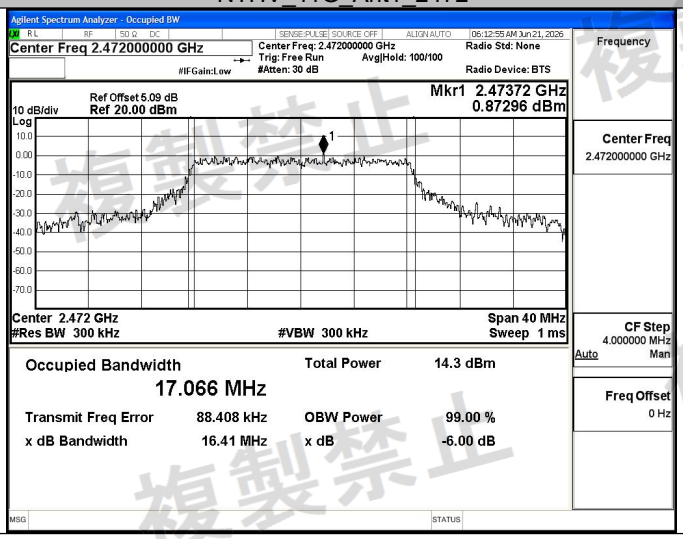
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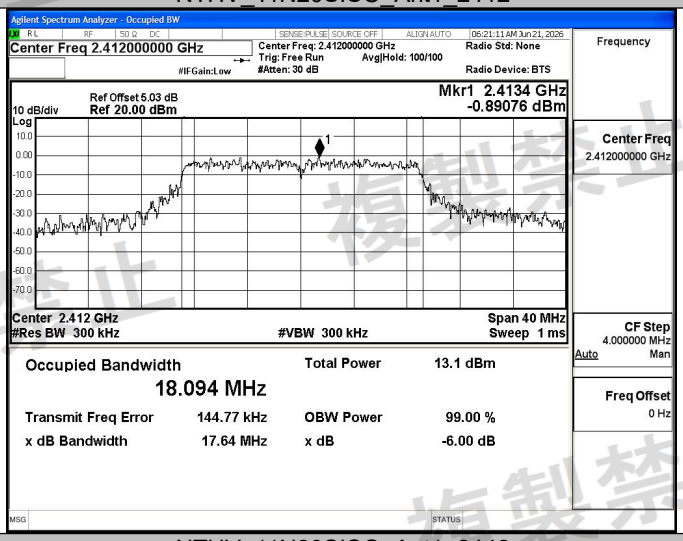
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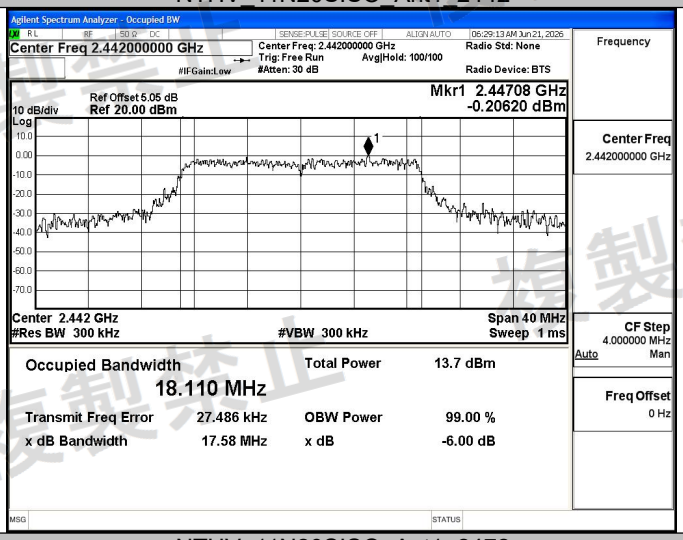
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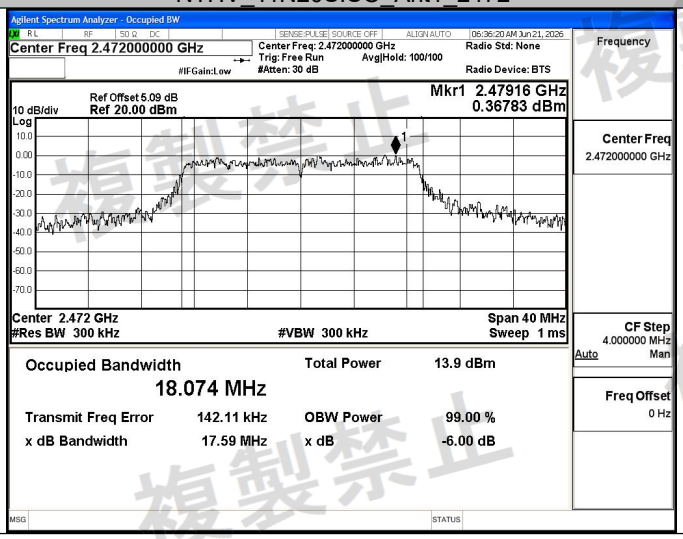
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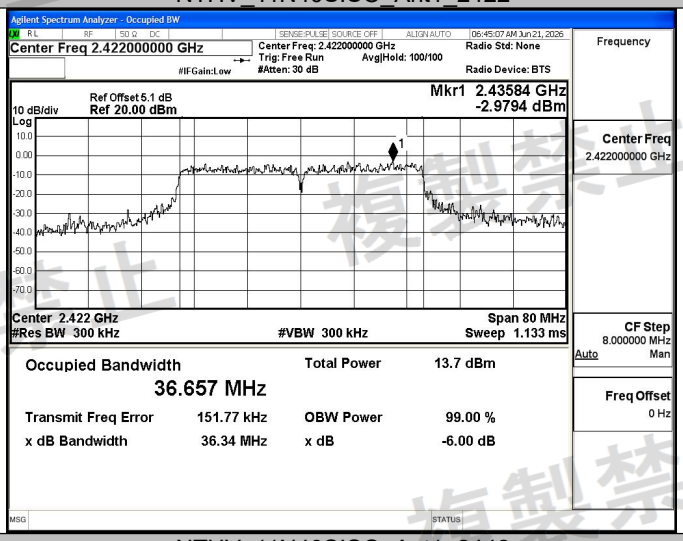
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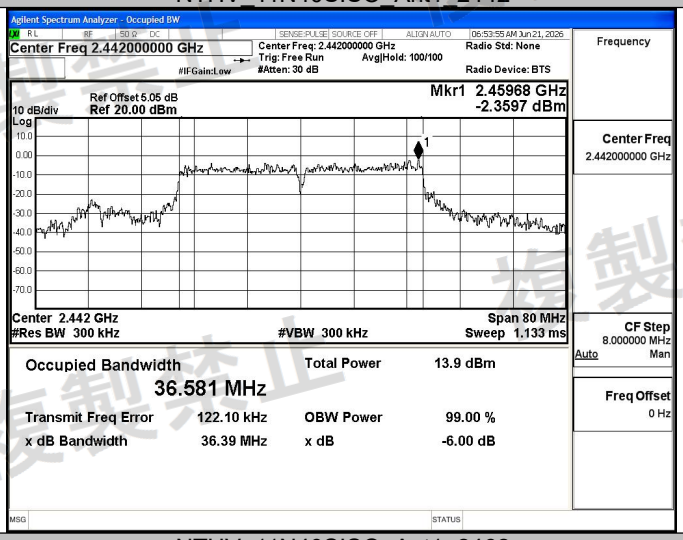
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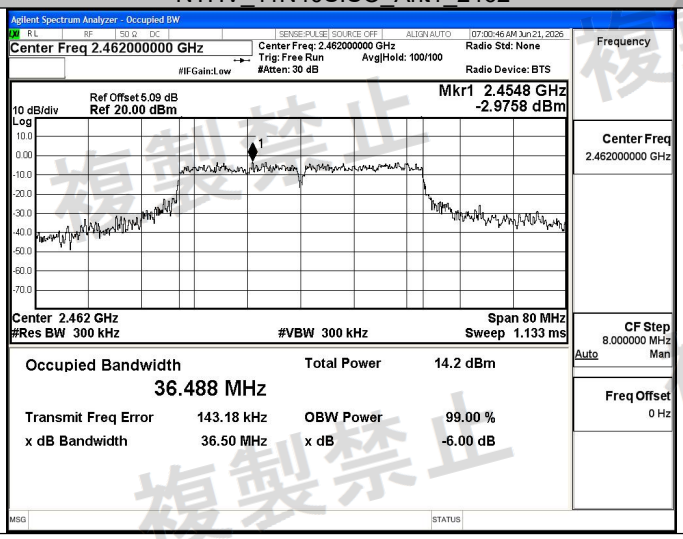
NTHV_11N40SISO_Ant1_2422



NTHV_11N40SISO_Ant1_2442



NTHV_11N40SISO_Ant1_2462



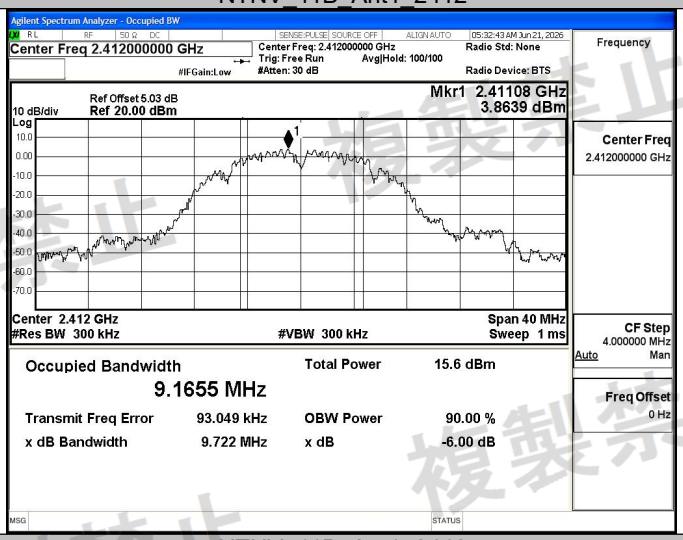
Appendix C: Spread Bandwidth

Test Result

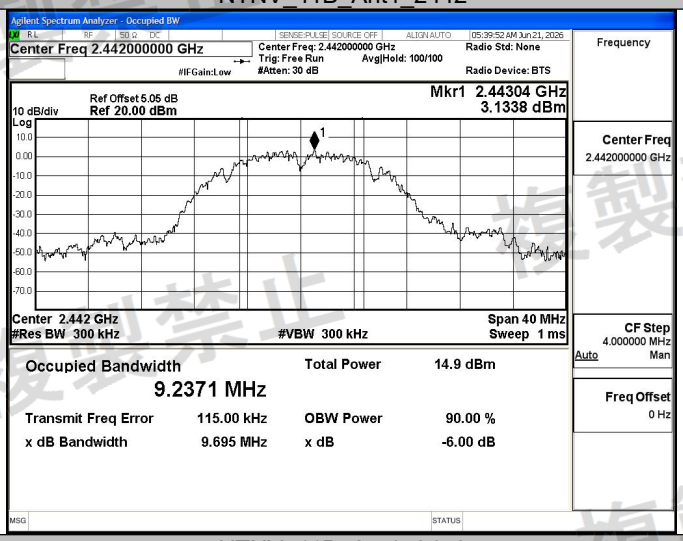
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	11B	Ant1	2412	9.166	≥0.5	6.666	>5	PASS
			2442	9.237	≥0.5	6.718	>5	PASS
			2472	9.099	≥0.5	6.617	>5	PASS
	11G	Ant1	2412	15.021	≥0.5	---	---	PASS
			2442	14.938	≥0.5	---	---	PASS
			2472	14.741	≥0.5	---	---	PASS
	11N20SISO	Ant1	2412	15.899	≥0.5	---	---	PASS
			2442	15.865	≥0.5	---	---	PASS
			2472	15.883	≥0.5	---	---	PASS
	11N40SISO	Ant1	2422	32.995	≥0.5	---	---	PASS
			2442	32.754	≥0.5	---	---	PASS
			2462	32.893	≥0.5	---	---	PASS
NTLV	11B	Ant1	2412	9.144	≥0.5	6.650	>5	PASS
			2442	9.187	≥0.5	6.681	>5	PASS
			2472	9.056	≥0.5	6.586	>5	PASS
	11G	Ant1	2412	14.805	≥0.5	---	---	PASS
			2442	14.964	≥0.5	---	---	PASS
			2472	14.941	≥0.5	---	---	PASS
	11N20SISO	Ant1	2412	16.068	≥0.5	---	---	PASS
			2442	16.027	≥0.5	---	---	PASS
			2472	15.887	≥0.5	---	---	PASS
	11N40SISO	Ant1	2422	33.389	≥0.5	---	---	PASS
			2442	33.259	≥0.5	---	---	PASS
			2462	33.235	≥0.5	---	---	PASS
NTHV	11B	Ant1	2412	9.135	≥0.5	6.644	>5	PASS
			2442	9.145	≥0.5	6.651	>5	PASS
			2472	9.145	≥0.5	6.651	>5	PASS
	11G	Ant1	2412	14.961	≥0.5	---	---	PASS
			2442	14.804	≥0.5	---	---	PASS
			2472	14.953	≥0.5	---	---	PASS
	11N20SISO	Ant1	2412	15.950	≥0.5	---	---	PASS
			2442	16.027	≥0.5	---	---	PASS
			2472	15.985	≥0.5	---	---	PASS
	11N40SISO	Ant1	2422	33.225	≥0.5	---	---	PASS
			2442	33.024	≥0.5	---	---	PASS
			2462	33.383	≥0.5	---	---	PASS

Test Graphs

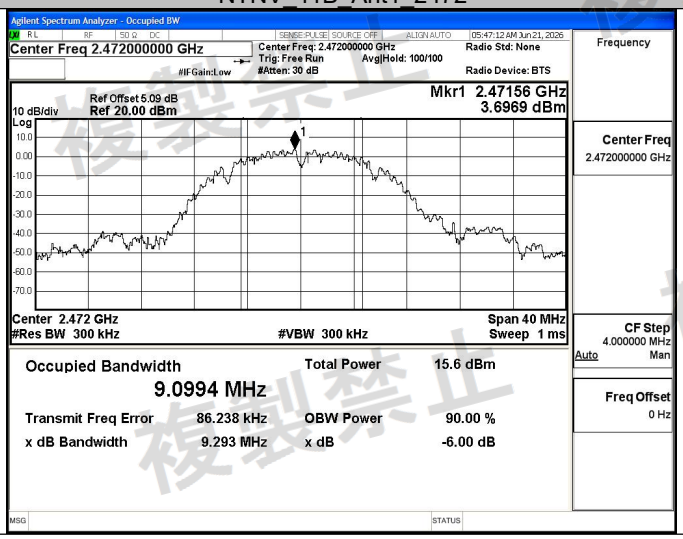
NTNV_11B_Ant1_2412



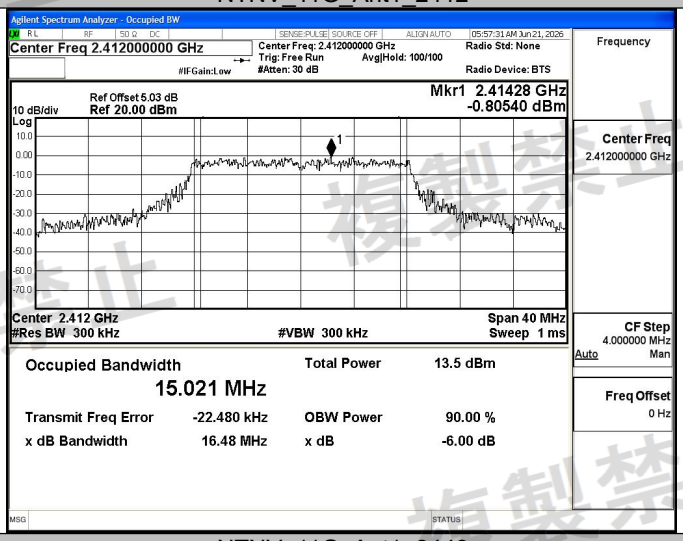
NTNV_11B_Ant1_2442



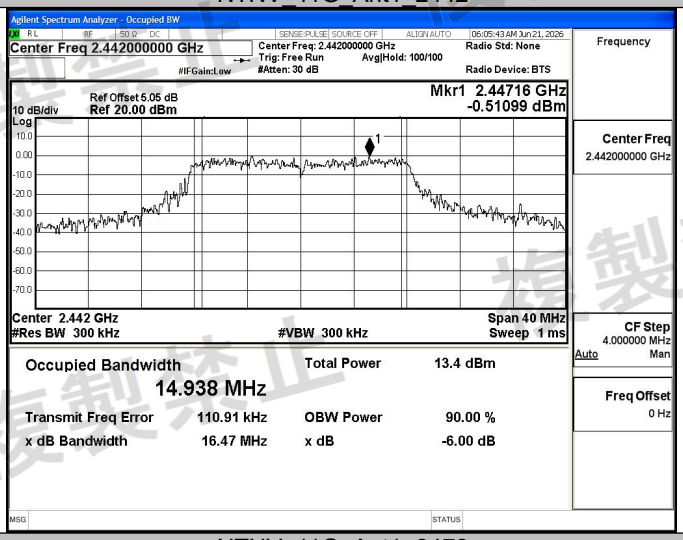
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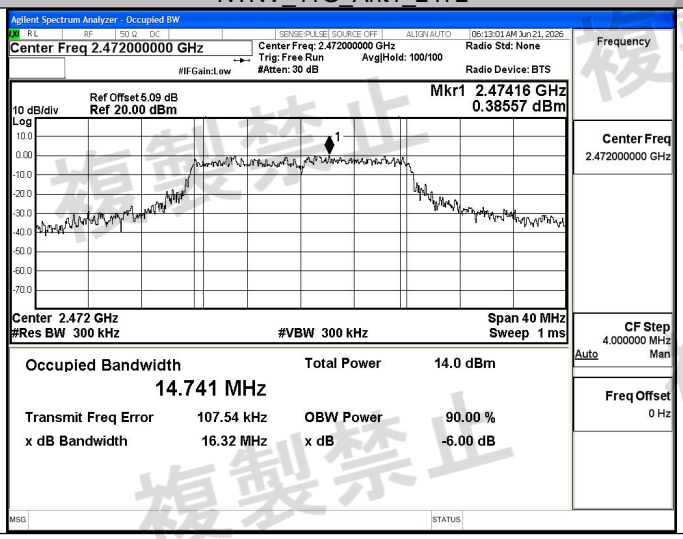
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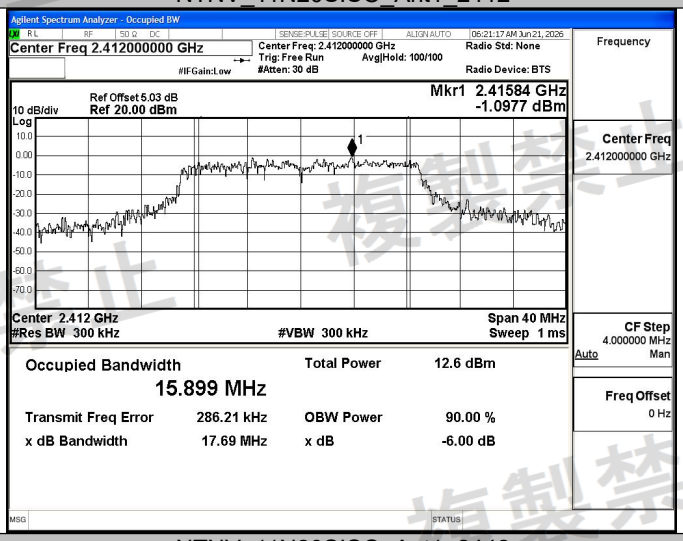
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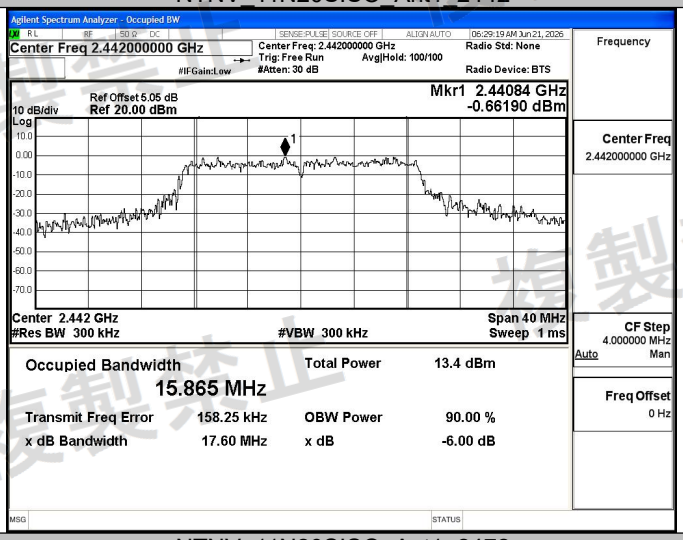
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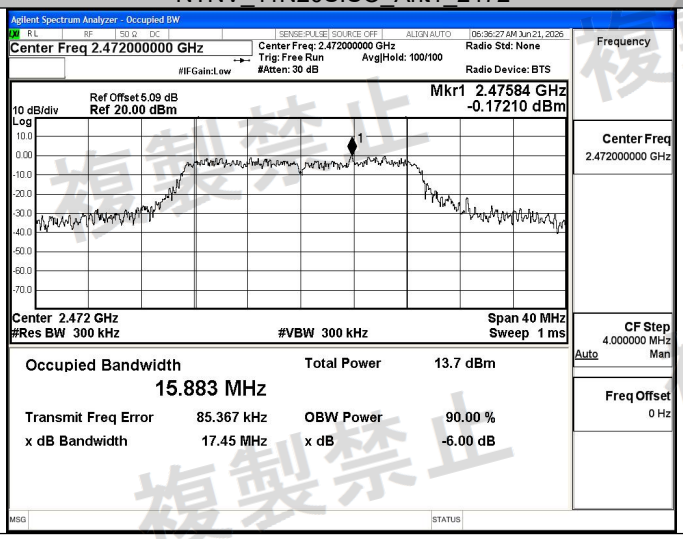
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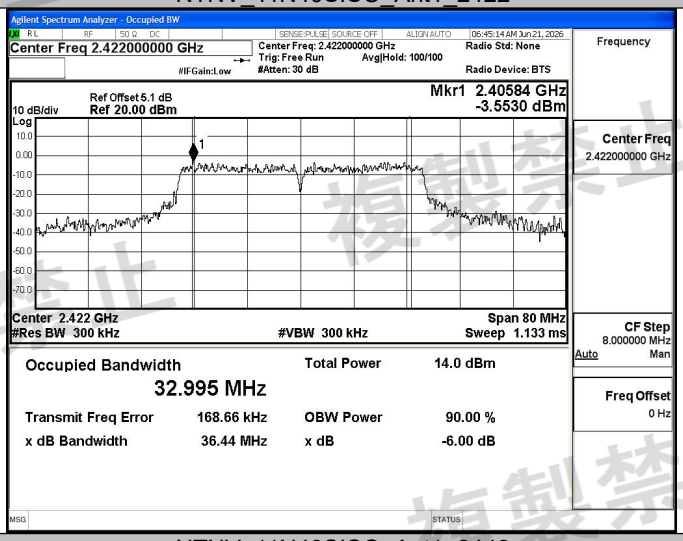
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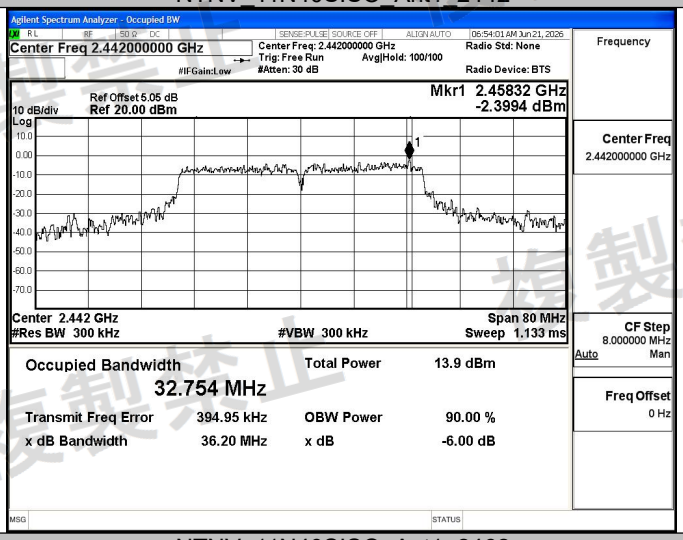
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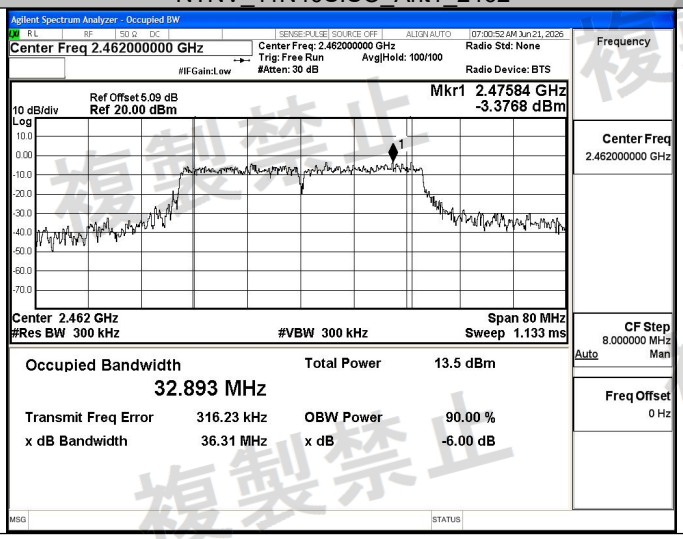
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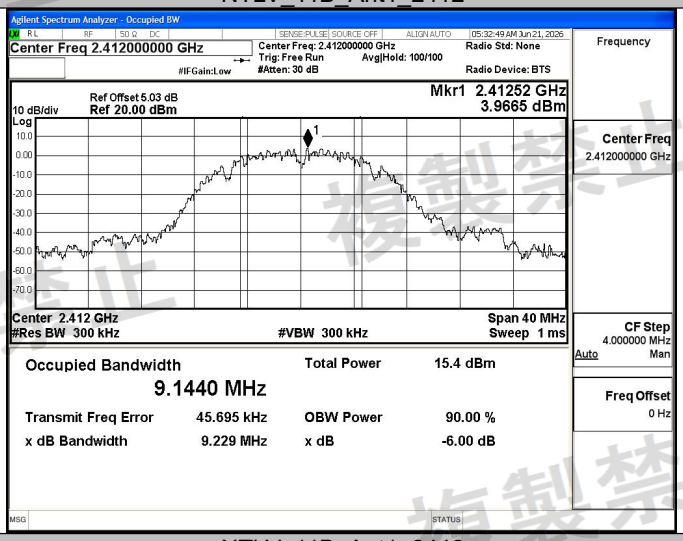
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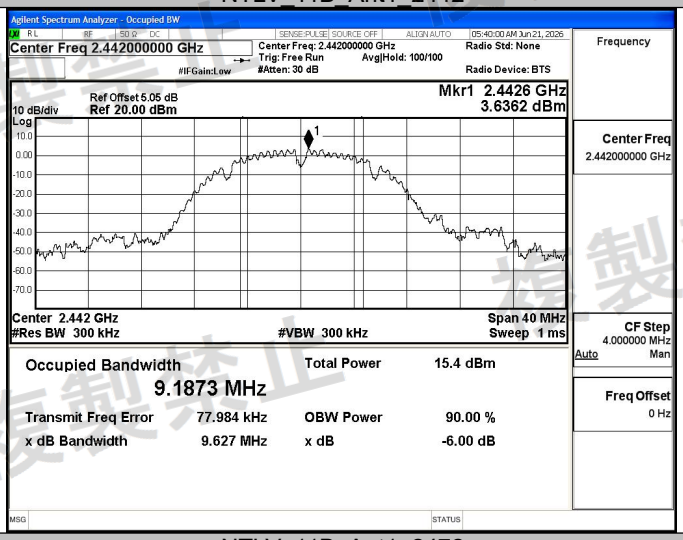
NTNV_11N40SISO_Ant1_2462



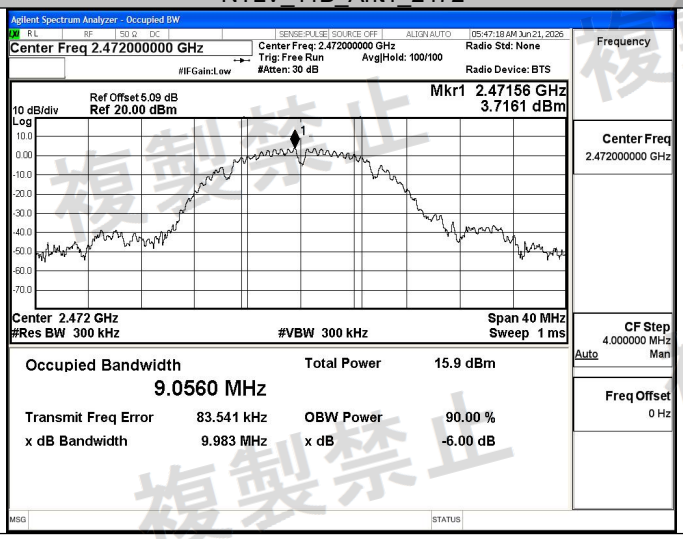
NTLV_11B_Ant1_2412



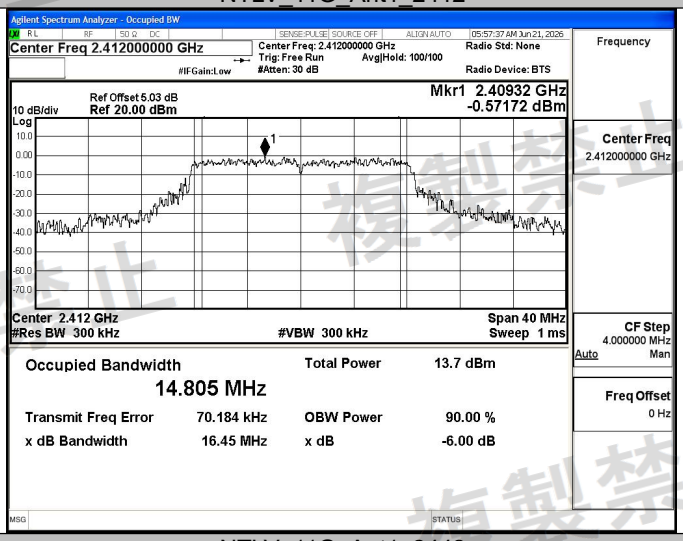
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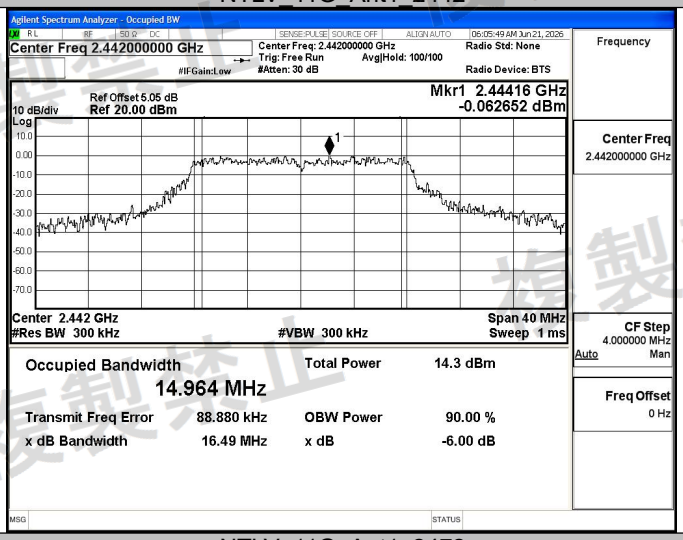
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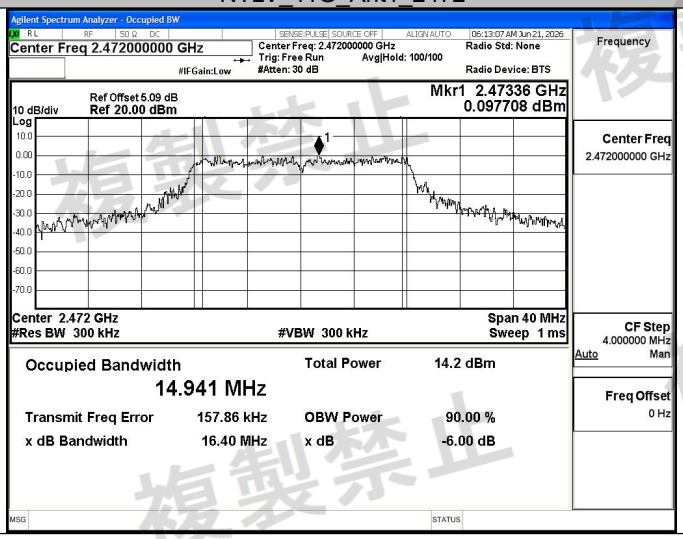
NTLV_11G_Ant1_2412



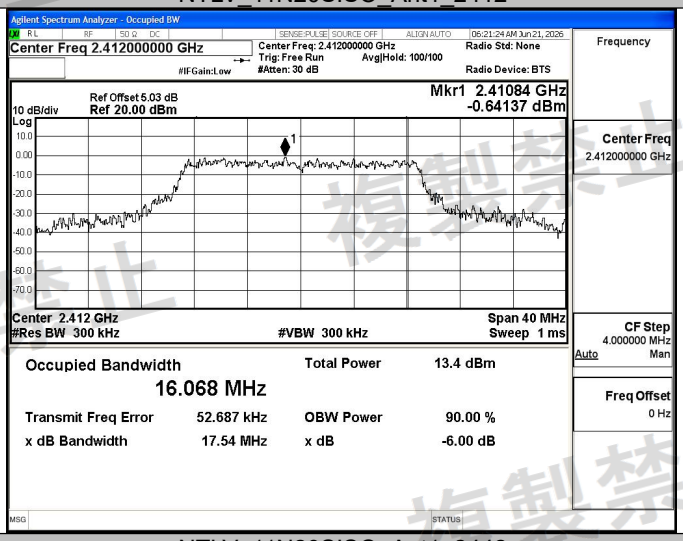
NTLV_11G_Ant1_2442



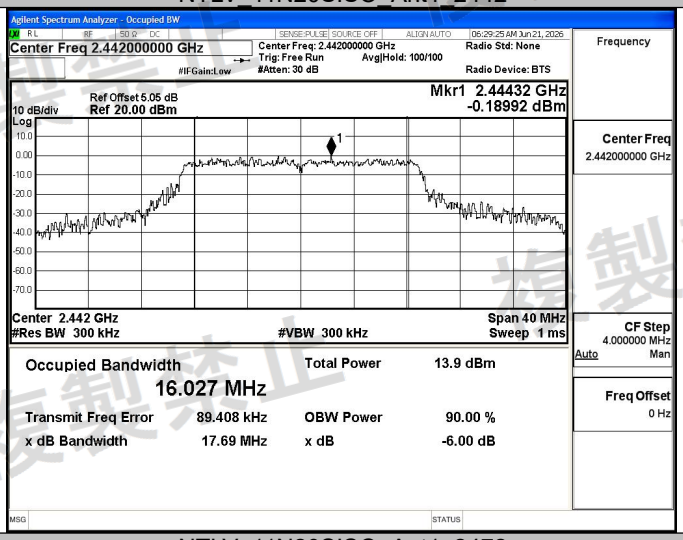
NTLV_11G_Ant1_2472



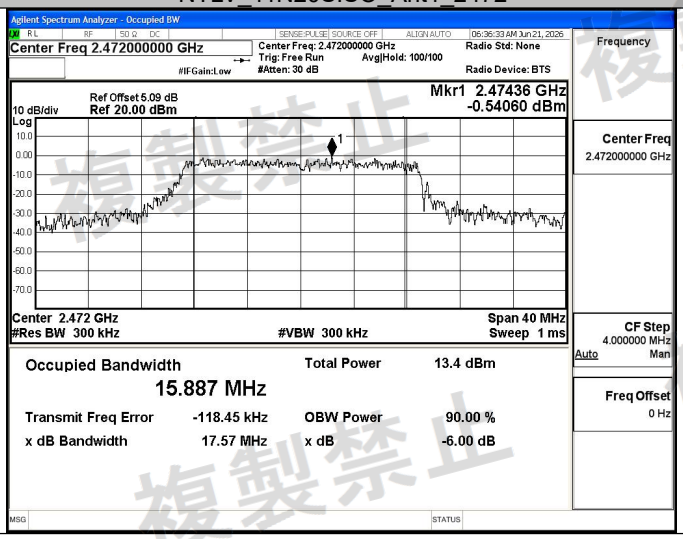
NTLV_11N20SISO_Ant1_2412



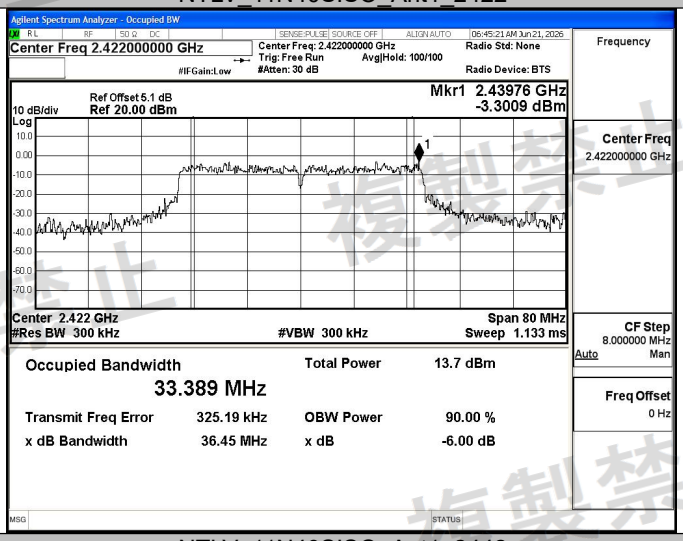
NTLV_11N20SISO_Ant1_2442



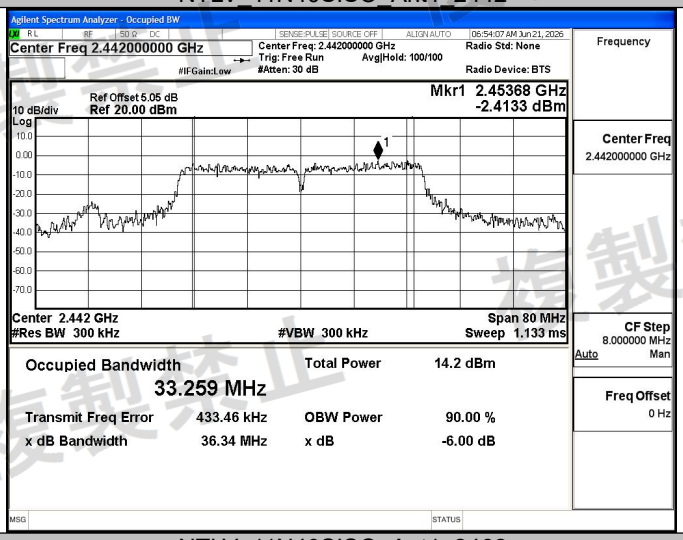
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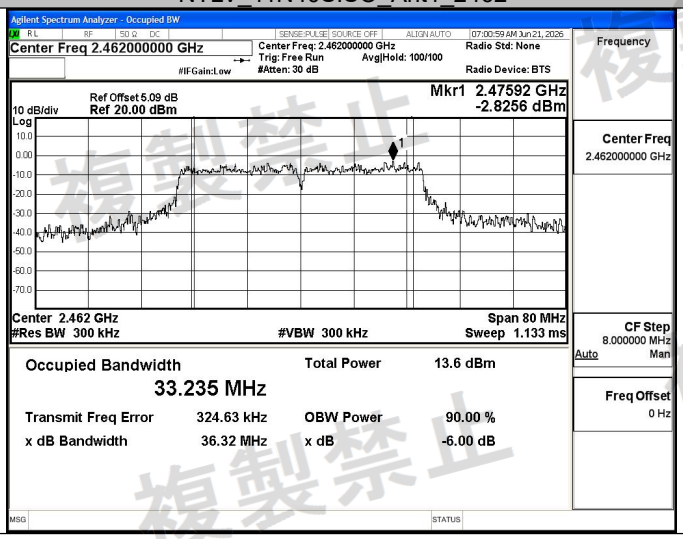
NTLV_11N40SISO_Ant1_2422



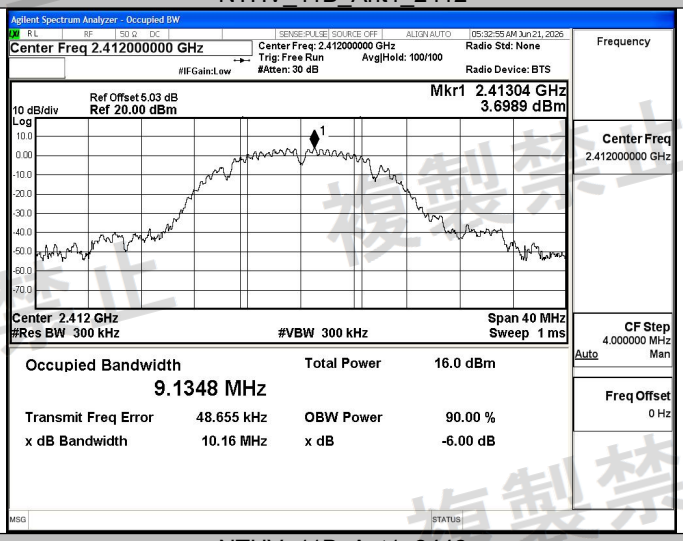
NTLV_11N40SISO_Ant1_2442



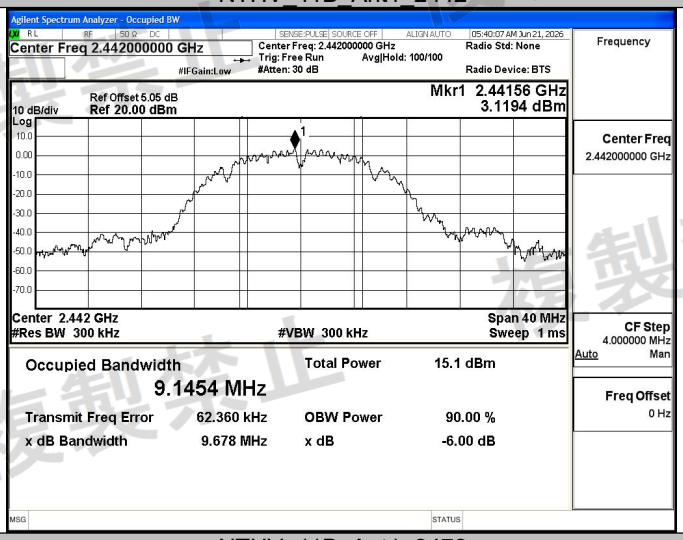
NTLV_11N40SISO_Ant1_2462



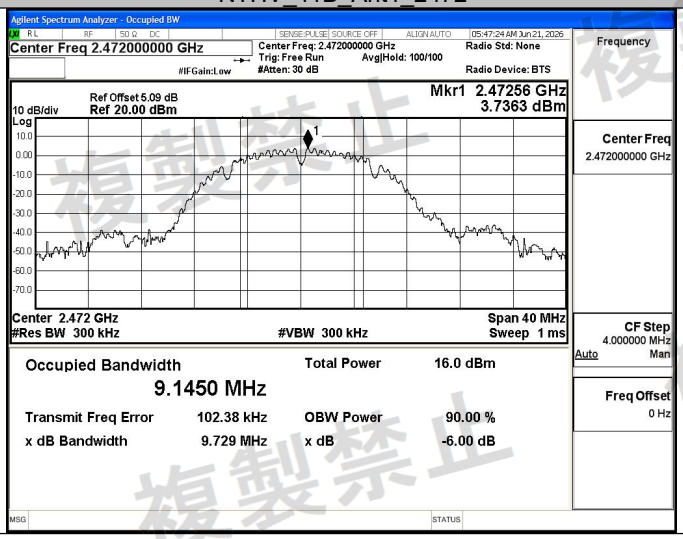
NTHV_11B_Ant1_2412



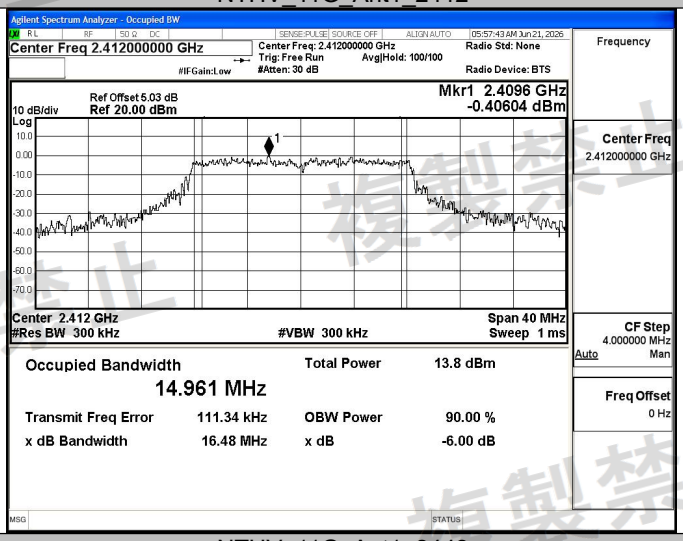
NTHV_11B_Ant1_2442



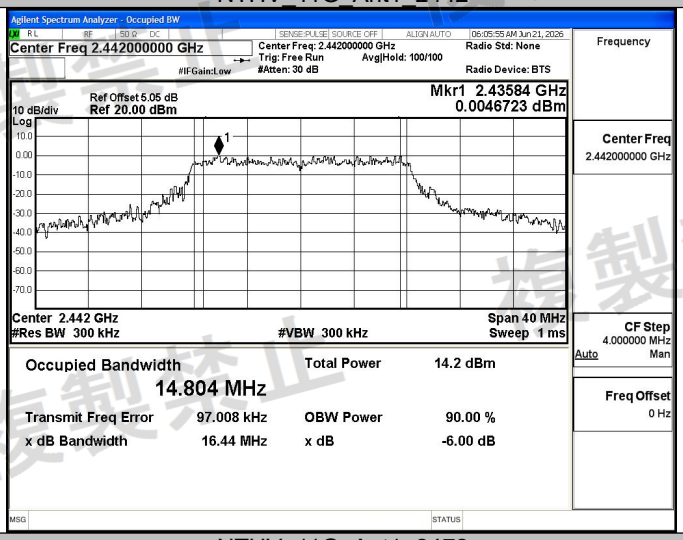
NTHV_11B_Ant1_2472



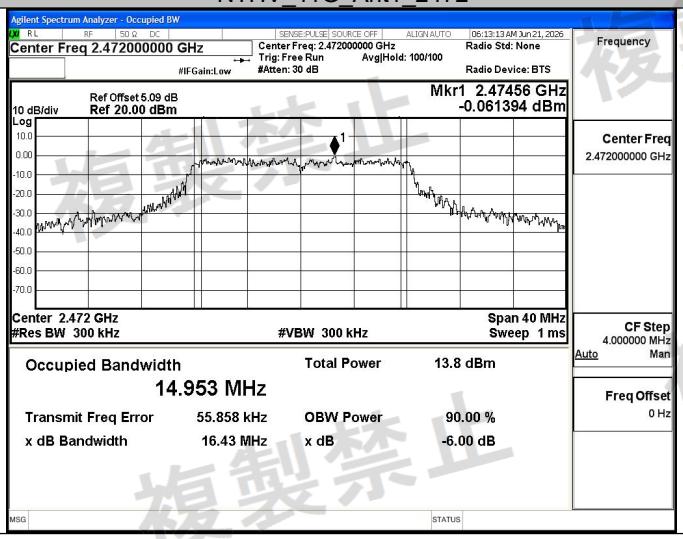
NTHV_11G_Ant1_2412



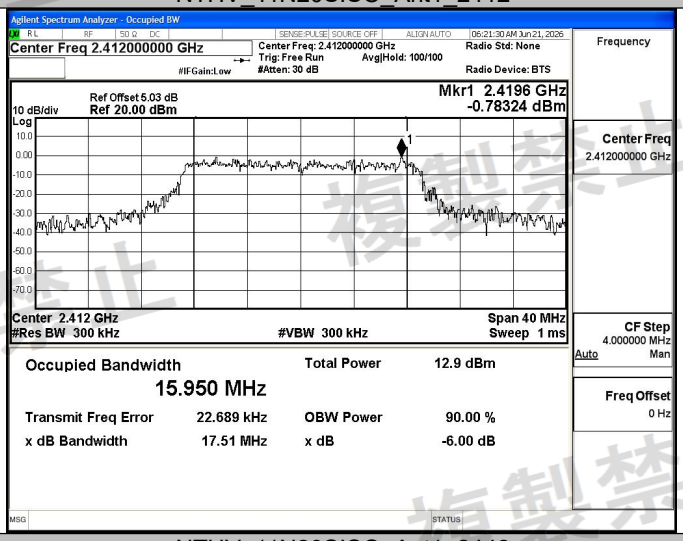
NTHV_11G_Ant1_2442



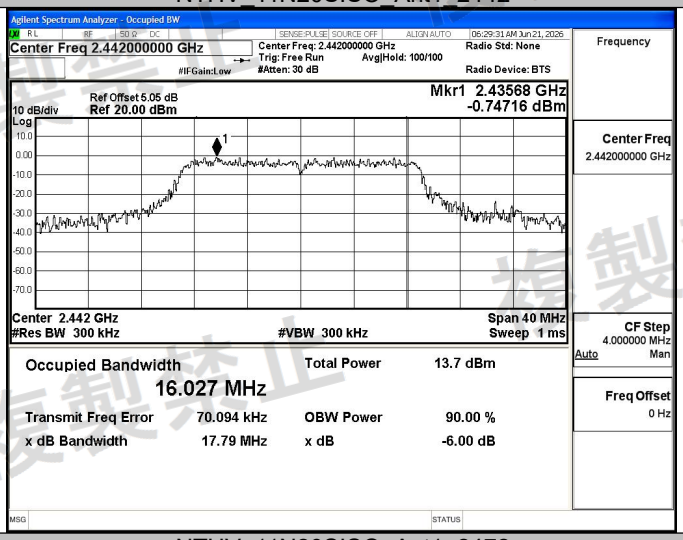
NTHV_11G_Ant1_2472



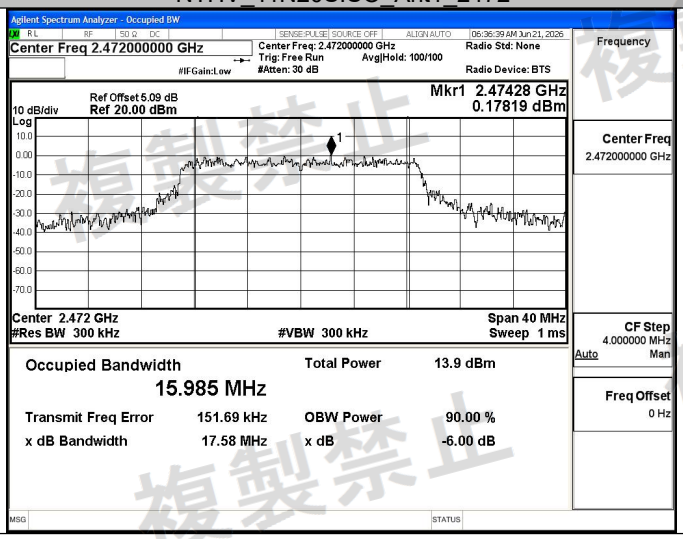
NTHV_11N20SISO_Ant1_2412



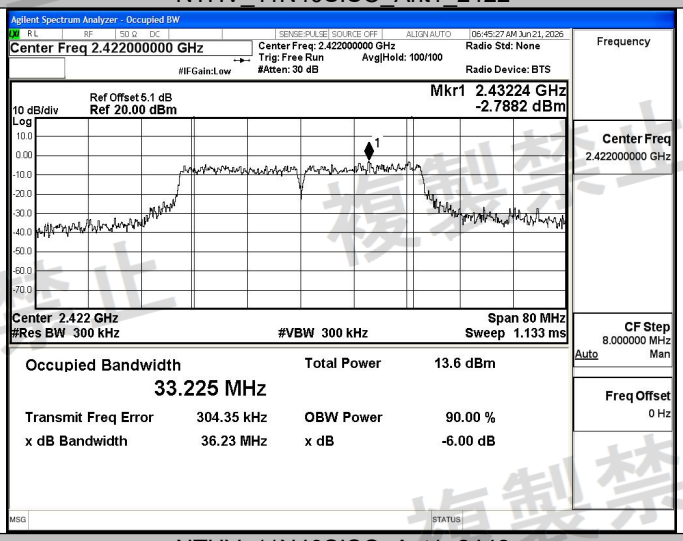
NTHV_11N20SISO_Ant1_2442



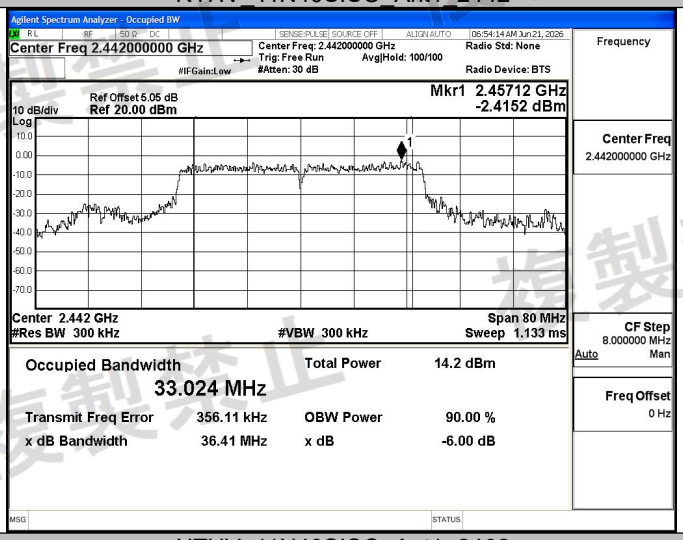
NTHV_11N20SISO_Ant1_2472



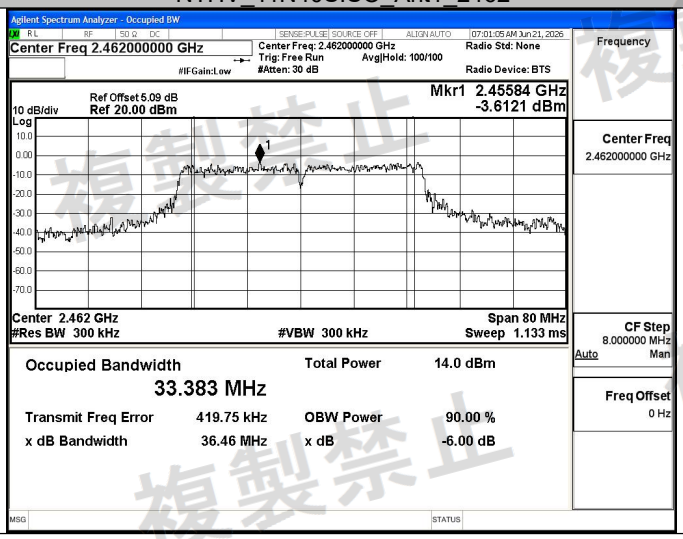
NTHV_11N40SISO_Ant1_2422



NTHV_11N40SISO_Ant1_2442



NTHV_11N40SISO_Ant1_2462



Appendix D: Antenna Power

Test Result

Antenna Power							
Test Condition	Test Mode	Antenna	Freq(MHz)	Result (dBm/MHz)	Result (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11B	Ant1	2412	6.64	4.6132	≤10	PASS
			2442	5.74	3.7497	≤10	PASS
			2472	5.93	3.9174	≤10	PASS
	11G	Ant1	2412	4.70	2.9512	≤10	PASS
			2442	5.44	3.4995	≤10	PASS
			2472	5.06	3.2063	≤10	PASS
	11N20SISO	Ant1	2412	4.57	2.8642	≤10	PASS
			2442	5.08	3.2211	≤10	PASS
			2472	5.42	3.4834	≤10	PASS
	11N40SISO	Ant1	2422	1.86	1.5346	≤5	PASS
			2442	2.37	1.7258	≤5	PASS
			2462	1.42	1.3868	≤5	PASS
NTLV	11B	Ant1	2412	6.62	4.5920	≤10	PASS
			2442	6.03	4.0087	≤10	PASS
			2472	6.19	4.1591	≤10	PASS
	11G	Ant1	2412	5.24	3.3420	≤10	PASS
			2442	5.89	3.8815	≤10	PASS
			2472	5.10	3.2359	≤10	PASS
	11N20SISO	Ant1	2412	4.09	2.5645	≤10	PASS
			2442	5.29	3.3806	≤10	PASS
			2472	5.31	3.3963	≤10	PASS
	11N40SISO	Ant1	2422	2.11	1.6255	≤5	PASS
			2442	1.92	1.5560	≤5	PASS
			2462	1.61	1.4488	≤5	PASS
NTHV	11B	Ant1	2412	6.50	4.4668	≤10	PASS
			2442	5.72	3.7325	≤10	PASS
			2472	6.19	4.1591	≤10	PASS
	11G	Ant1	2412	5.13	3.2584	≤10	PASS
			2442	5.86	3.8548	≤10	PASS
			2472	5.65	3.6728	≤10	PASS
	11N20SISO	Ant1	2412	4.59	2.8774	≤10	PASS
			2442	5.25	3.3497	≤10	PASS
			2472	5.68	3.6983	≤10	PASS
	11N40SISO	Ant1	2422	2.27	1.6866	≤5	PASS
			2442	1.25	1.3335	≤5	PASS
			2462	1.78	1.5066	≤5	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq(MHz)	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	4.6132	10	-53.87	+20	PASS
			2442	3.7497	10	-62.50	+20	PASS
			2472	3.9174	10	-60.83	+20	PASS
	11G	Ant1	2412	2.9512	10	-70.49	+20	PASS
			2442	3.4995	10	-65.01	+20	PASS
			2472	3.2063	10	-67.94	+20	PASS
	11N20SISO	Ant1	2412	2.8642	10	-71.36	+20	PASS
			2442	3.2211	10	-67.79	+20	PASS
			2472	3.4834	10	-65.17	+20	PASS
	11N40SISO	Ant1	2422	1.5346	5	-69.31	+20	PASS
			2442	1.7258	5	-65.48	+20	PASS
			2462	1.3868	5	-72.26	+20	PASS
NTLV	11B	Ant1	2412	4.5920	10	-54.08	+20	PASS
			2442	4.0087	10	-59.91	+20	PASS
			2472	4.1591	10	-58.41	+20	PASS
	11G	Ant1	2412	3.3420	10	-66.58	+20	PASS
			2442	3.8815	10	-61.19	+20	PASS
			2472	3.2359	10	-67.64	+20	PASS
	11N20SISO	Ant1	2412	2.5645	10	-74.36	+20	PASS
			2442	3.3806	10	-66.19	+20	PASS
			2472	3.3963	10	-66.04	+20	PASS
	11N40SISO	Ant1	2422	1.6255	5	-67.49	+20	PASS
			2442	1.5560	5	-68.88	+20	PASS
			2462	1.4488	5	-71.02	+20	PASS
NTHV	11B	Ant1	2412	4.4668	10	-55.33	+20	PASS
			2442	3.7325	10	-62.68	+20	PASS
			2472	4.1591	10	-58.41	+20	PASS
	11G	Ant1	2412	3.2584	10	-67.42	+20	PASS
			2442	3.8548	10	-61.45	+20	PASS
			2472	3.6728	10	-63.27	+20	PASS
	11N20SISO	Ant1	2412	2.8774	10	-71.23	+20	PASS
			2442	3.3497	10	-66.50	+20	PASS
			2472	3.6983	10	-63.02	+20	PASS
	11N40SISO	Ant1	2422	1.6866	5	-66.27	+20	PASS
			2442	1.3335	5	-73.33	+20	PASS
			2462	1.5066	5	-69.87	+20	PASS

Appendix E: Spurious Emission of TX

Test Result 1

TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq (MHz)	Result [dBm]	Limit [dBm]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11B	Ant1	2412	30~1000	802.36	-48.78	≤-26	0.01324	≤2.5	PASS
				1000~2387	1920.97	-42.98	≤-26	0.05035	≤2.5	PASS
				2387~2400	2398.55	-30.82	≤-16	0.82794	≤25	PASS
				2483.5~2496.5	2490.20	-43.98	≤-16	0.03999	≤25	PASS
				2496.5~13000	3652.94	-45.05	≤-26	0.03126	≤2.5	PASS
			2442	30~1000	812.79	-47.91	≤-26	0.01618	≤2.5	PASS
				1000~2387	1927.21	-32.64	≤-26	0.54450	≤2.5	PASS
				2387~2400	2390.09	-43.95	≤-16	0.04027	≤25	PASS
				2483.5~2496.5	2486.59	-43.52	≤-16	0.04446	≤25	PASS
				2496.5~13000	3602.52	-45.46	≤-26	0.02844	≤2.5	PASS
			2472	30~1000	825.64	-48.31	≤-26	0.01476	≤2.5	PASS
				1000~2387	1939.00	-41.34	≤-26	0.07345	≤2.5	PASS
				2387~2400	2393.96	-43.49	≤-16	0.04477	≤25	PASS
				2483.5~2496.5	2483.72	-28.03	≤-16	1.57398	≤25	PASS
				2496.5~13000	2509.63	-42.67	≤-26	0.05408	≤2.5	PASS
	11G	Ant1	2412	30~1000	809.15	-47.34	≤-26	0.01845	≤2.5	PASS
				1000~2387	2378.68	-39.31	≤-26	0.11722	≤2.5	PASS
				2387~2400	2399.68	-18.41	≤-16	14.42115	≤25	See table below
				2483.5~2496.5	2494.10	-43.92	≤-16	0.04055	≤25	PASS
				2496.5~13000	3610.40	-45.43	≤-26	0.02864	≤2.5	PASS
			2442	30~1000	820.79	-46.77	≤-26	0.02104	≤2.5	PASS
				1000~2387	2387.00	-51.06	≤-26	0.00783	≤2.5	PASS
				2387~2400	2393.63	-43.30	≤-16	0.04677	≤25	PASS
				2483.5~2496.5	2483.90	-41.39	≤-16	0.07261	≤25	PASS
				2496.5~13000	3602.52	-45.21	≤-26	0.03013	≤2.5	PASS
			2472	30~1000	816.67	-48.26	≤-26	0.01493	≤2.5	PASS
				1000~2387	1930.33	-39.22	≤-26	0.11967	≤2.5	PASS
				2387~2400	2395.35	-44.07	≤-16	0.03917	≤25	PASS
				2483.5~2496.5	2483.51	-14.21	≤-16	37.93150	≤25	See table below
				2496.5~13000	3601.47	-44.36	≤-26	0.03664	≤2.5	PASS
	11N20SISO	Ant1	2412	30~1000	809.15	-47.88	≤-26	0.01629	≤2.5	PASS
				1000~2387	2381.45	-40.51	≤-26	0.08892	≤2.5	PASS
				2387~2400	2399.43	-17.47	≤-16	17.90606	≤25	See table below
				2483.5~2496.5	2488.73	-43.74	≤-16	0.04227	≤25	PASS
				2496.5~13000	4875.54	-45.65	≤-26	0.02723	≤2.5	PASS
			2442	30~1000	820.55	-47.70	≤-26	0.01698	≤2.5	PASS
				1000~2387	1920.97	-32.96	≤-26	0.50582	≤2.5	PASS
				2387~2400	2399.92	-43.43	≤-16	0.04539	≤25	PASS
				2483.5~2496.5	2484.07	-41.22	≤-16	0.07551	≤25	PASS
				2496.5~13000	3600.94	-44.78	≤-26	0.03327	≤2.5	PASS
			2472	30~1000	827.58	-48.00	≤-26	0.01585	≤2.5	PASS
				1000~2387	1920.97	-50.18	≤-26	0.00959	≤2.5	PASS
				2387~2400	2399.51	-44.80	≤-16	0.03311	≤25	PASS
				2483.5~2496.5	2485.36	-14.52	≤-16	35.31832	≤25	See table below
				2496.5~13000	2515.41	-43.23	≤-26	0.04753	≤2.5	PASS
	11N40SISO	Ant1	2422	30~1000	796.54	-51.17	≤-26	0.00764	≤2.5	PASS
				1000~2387	1921.66	-42.30	≤-26	0.05888	≤2.5	PASS
				2387~2400	2399.9	-15.91	≤-16	25.64484	≤25	See table below
				2483.5~2496.5	2488.01	-37.76	≤-16	0.16749	≤25	PASS
				2496.5~13000	2522.23	-45.21	≤-26	0.03013	≤2.5	PASS
			2442	30~1000	823.70	-50.20	≤-26	0.00955	≤2.5	PASS
				1000~2387	2385.61	-40.34	≤-26	0.09247	≤2.5	PASS
				2387~2400	2399.75	-29.44	≤-16	1.13763	≤25	PASS

				2483.5~2496.5	2484.47	-25.02	≤-16	3.14775	≤25	PASS
				2496.5~13000	3255.90	-44.38	≤-26	0.03648	≤2.5	PASS
			2462	30~1000	825.89	-50.98	≤-26	0.00798	≤2.5	PASS
				1000~2387	1939.00	-50.21	≤-26	0.00953	≤2.5	PASS
				2387~2400	2398.49	-42.18	≤-16	0.06053	≤25	PASS
				2483.5~2496.5	2483.55	-12.95	≤-16	50.69907	≤25	See table below
				2496.5~13000	2499.65	-22.23	≤-26	5.98412	≤2.5	See table below
NTLV	11B	Ant1	2412	30~1000	805.03	-48.55	≤-26	0.01396	≤2.5	PASS
				1000~2387	2355.45	-49.82	≤-26	0.01042	≤2.5	PASS
				2387~2400	2397.95	-30.18	≤-16	0.95940	≤25	PASS
				2483.5~2496.5	2484.22	-43.57	≤-16	0.04395	≤25	PASS
				2496.5~13000	4841.93	-44.98	≤-26	0.03177	≤2.5	PASS
			2442	30~1000	812.31	-48.02	≤-26	0.01578	≤2.5	PASS
				1000~2387	1921.66	-36.22	≤-26	0.23878	≤2.5	PASS
				2387~2400	2389.44	-44.02	≤-16	0.03963	≤25	PASS
				2483.5~2496.5	2483.71	-43.22	≤-16	0.04764	≤25	PASS
				2496.5~13000	3610.92	-44.20	≤-26	0.03802	≤2.5	PASS
			2472	30~1000	825.16	-47.92	≤-26	0.01614	≤2.5	PASS
				1000~2387	1921.66	-43.04	≤-26	0.04966	≤2.5	PASS
				2387~2400	2388.23	-44.57	≤-16	0.03491	≤25	PASS
				2483.5~2496.5	2483.53	-26.58	≤-16	2.19786	≤25	PASS
				2496.5~13000	2501.23	-36.40	≤-26	0.22909	≤2.5	PASS
	11G	Ant1	2412	30~1000	812.79	-52.65	≤-26	0.00543	≤2.5	PASS
				1000~2387	1928.94	-34.18	≤-26	0.38194	≤2.5	PASS
				2387~2400	2398.25	-18.68	≤-16	13.55189	≤25	See table below
				2483.5~2496.5	2496.47	-42.63	≤-16	0.05458	≤25	PASS
				2496.5~13000	3616.70	-45.30	≤-26	0.02951	≤2.5	PASS
			2442	30~1000	817.64	-47.56	≤-26	0.01754	≤2.5	PASS
				1000~2387	1921.31	-35.01	≤-26	0.31550	≤2.5	PASS
				2387~2400	2391.50	-42.16	≤-16	0.06081	≤25	PASS
				2483.5~2496.5	2483.50	-41.89	≤-16	0.06471	≤25	PASS
				2496.5~13000	3625.63	-45.41	≤-26	0.02877	≤2.5	PASS
			2472	30~1000	819.58	-47.51	≤-26	0.01774	≤2.5	PASS
				1000~2387	1923.40	-41.06	≤-26	0.07834	≤2.5	PASS
				2387~2400	2397.61	-43.90	≤-16	0.04074	≤25	PASS
				2483.5~2496.5	2483.64	-14.52	≤-16	35.31832	≤25	See table below
				2496.5~13000	2498.60	-33.39	≤-26	0.45814	≤2.5	PASS
	11N20SISO	Ant1	2412	30~1000	807.70	-48.07	≤-26	0.01560	≤2.5	PASS
				1000~2387	2385.61	-37.55	≤-26	0.17579	≤2.5	PASS
				2387~2400	2400	-17.45	≤-16	17.98871	≤25	See table below
				2483.5~2496.5	2487.08	-43.43	≤-16	0.04539	≤25	PASS
				2496.5~13000	3216.51	-44.27	≤-26	0.03741	≤2.5	PASS
			2442	30~1000	819.58	-48.55	≤-26	0.01396	≤2.5	PASS
				1000~2387	1924.09	-34.83	≤-26	0.32885	≤2.5	PASS
				2387~2400	2399.34	-42.43	≤-16	0.05715	≤25	PASS
				2483.5~2496.5	2486.89	-41.18	≤-16	0.07621	≤25	PASS
				2496.5~13000	2557.95	-44.53	≤-26	0.03524	≤2.5	PASS
			2472	30~1000	830.74	-47.05	≤-26	0.01972	≤2.5	PASS
				1000~2387	1926.52	-42.14	≤-26	0.06109	≤2.5	PASS
				2387~2400	2388.18	-44.29	≤-16	0.03724	≤25	PASS
				2483.5~2496.5	2484.03	-12.27	≤-16	59.29253	≤25	See table below
				2496.5~13000	3611.45	-44.80	≤-26	0.03311	≤2.5	PASS
	11N40SISO	Ant1	2422	30~1000	824.19	-49.95	≤-26	0.01012	≤2.5	PASS
				1000~2387	2385.96	-25.20	≤-26	3.01995	≤2.5	See table below
				2387~2400	2399.94	-15.73	≤-16	26.73006	≤25	See table below
				2483.5~2496.5	2489.88	-37.07	≤-16	0.19634	≤25	PASS

				2496.5~13000	2497.03	-40.83	≤-26	0.08260	≤2.5	PASS
			2442	30~1000	827.83	-49.53	≤-26	0.01114	≤2.5	PASS
				1000~2387	2385.27	-41.74	≤-26	0.06699	≤2.5	PASS
				2387~2400	2399.97	-29.34	≤-16	1.16413	≤25	PASS
				2483.5~2496.5	2484.38	-24.99	≤-16	3.16957	≤25	PASS
				2496.5~13000	2517.51	-39.24	≤-26	0.11912	≤2.5	PASS
			2462	30~1000	818.61	-50.71	≤-26	0.00849	≤2.5	PASS
				1000~2387	2380.76	-50.59	≤-26	0.00873	≤2.5	PASS
				2387~2400	2399.14	-42.34	≤-16	0.05834	≤25	PASS
				2483.5~2496.5	2483.6	-13.06	≤-16	49.43107	≤25	See table below
				2496.5~13000	2502.28	-22.51	≤-26	5.61048	≤2.5	See table below
NTHV	11B	Ant1	2412	30~1000	807.94	-50.08	≤-26	0.00982	≤2.5	PASS
				1000~2387	2386.31	-42.01	≤-26	0.06295	≤2.5	PASS
				2387~2400	2398.09	-30.82	≤-16	0.82794	≤25	PASS
				2483.5~2496.5	2492.14	-44.21	≤-16	0.03793	≤25	PASS
				2496.5~13000	3621.42	-45.18	≤-26	0.03034	≤2.5	PASS
			2442	30~1000	815.94	-48.13	≤-26	0.01538	≤2.5	PASS
				1000~2387	1920.97	-37.50	≤-26	0.17783	≤2.5	PASS
				2387~2400	2388.79	-43.98	≤-16	0.03999	≤25	PASS
				2483.5~2496.5	2490.90	-42.95	≤-16	0.05070	≤25	PASS
				2496.5~13000	3603.04	-45.51	≤-26	0.02812	≤2.5	PASS
			2472	30~1000	822.73	-48.60	≤-26	0.01380	≤2.5	PASS
				1000~2387	1939.00	-36.01	≤-26	0.25061	≤2.5	PASS
				2387~2400	2396.83	-43.95	≤-16	0.04027	≤25	PASS
				2483.5~2496.5	2483.66	-27.80	≤-16	1.65959	≤25	PASS
				2496.5~13000	2521.71	-42.57	≤-26	0.05534	≤2.5	PASS
	11G	Ant1	2412	30~1000	802.85	-48.16	≤-26	0.01528	≤2.5	PASS
				1000~2387	1939.35	-36.93	≤-26	0.20277	≤2.5	PASS
				2387~2400	2399.52	-18.06	≤-16	15.63148	≤25	See table below
				2483.5~2496.5	2488.35	-43.18	≤-16	0.04808	≤25	PASS
				2496.5~13000	3215.99	-44.13	≤-26	0.03864	≤2.5	PASS
			2442	30~1000	812.31	-46.95	≤-26	0.02018	≤2.5	PASS
				1000~2387	2372.44	-50.69	≤-26	0.00853	≤2.5	PASS
				2387~2400	2392.02	-43.36	≤-16	0.04613	≤25	PASS
				2483.5~2496.5	2483.83	-42.13	≤-16	0.06124	≤25	PASS
				2496.5~13000	3256.43	-44.56	≤-26	0.03499	≤2.5	PASS
			2472	30~1000	815.94	-53.00	≤-26	0.00501	≤2.5	PASS
				1000~2387	1938.65	-40.06	≤-26	0.09863	≤2.5	PASS
				2387~2400	2392.72	-43.67	≤-16	0.04295	≤25	PASS
				2483.5~2496.5	2483.55	-14.31	≤-16	37.06807	≤25	See table below
				2496.5~13000	2497.03	-29.88	≤-26	1.02802	≤2.5	PASS
	11N20SISO	Ant1	2412	30~1000	807.70	-47.76	≤-26	0.01675	≤2.5	PASS
				1000~2387	2386.65	-36.18	≤-26	0.24099	≤2.5	PASS
				2387~2400	2396.46	-17.39	≤-16	18.23896	≤25	See table below
				2483.5~2496.5	2492.69	-43.64	≤-16	0.04325	≤25	PASS
				2496.5~13000	2536.41	-41.09	≤-26	0.07780	≤2.5	PASS
			2442	30~1000	812.31	-47.63	≤-26	0.01726	≤2.5	PASS
				1000~2387	1921.31	-47.68	≤-26	0.01706	≤2.5	PASS
				2387~2400	2396.82	-43.09	≤-16	0.04909	≤25	PASS
				2483.5~2496.5	2483.62	-41.58	≤-16	0.06950	≤25	PASS
				2496.5~13000	3255.90	-45.09	≤-26	0.03097	≤2.5	PASS
			2472	30~1000	828.55	-47.67	≤-26	0.01710	≤2.5	PASS
				1000~2387	1939.00	-43.08	≤-26	0.04920	≤2.5	PASS
				2387~2400	2391.50	-44.11	≤-16	0.03882	≤25	PASS
				2483.5~2496.5	2483.54	-14.86	≤-16	32.65878	≤25	See table below
				2496.5~13000	2499.65	-31.15	≤-26	0.76736	≤2.5	PASS
	11N40SISO	Ant1	2422	30~1000	819.58	-50.73	≤-26	0.00845	≤2.5	PASS
				1000~2387	2384.92	-27.02	≤-26	1.98609	≤2.5	See table

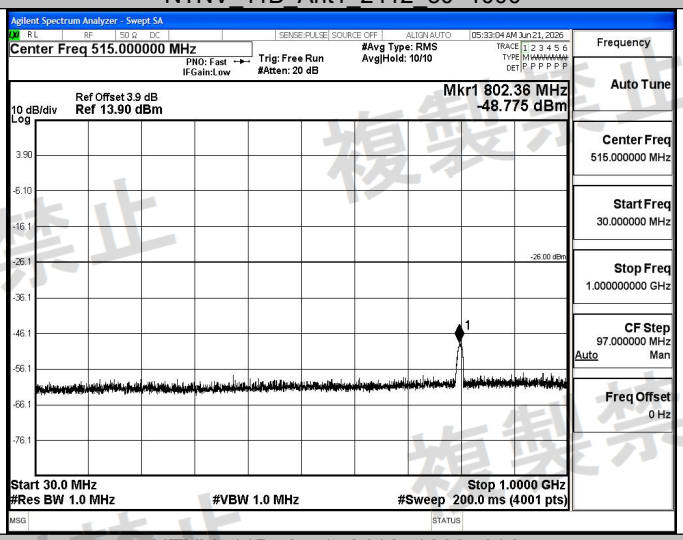
									below
				2387~2400	2399.95	-15.76	≤-16	26.54606	≤25	See table below
				2483.5~2496.5	2483.62	-37.69	≤-16	0.17022	≤25	PASS
				2496.5~13000	2498.08	-38.73	≤-26	0.13397	≤2.5	PASS
			2442	30~1000	796.79	-50.05	≤-26	0.00989	≤2.5	PASS
				1000~2387	2386.65	-41.12	≤-26	0.07727	≤2.5	PASS
				2387~2400	2399.73	-29.89	≤-16	1.02565	≤25	PASS
				2483.5~2496.5	2484.29	-24.88	≤-16	3.25087	≤25	PASS
				2496.5~13000	2499.13	-36.91	≤-26	0.20370	≤2.5	PASS
			2462	30~1000	834.62	-49.18	≤-26	0.01208	≤2.5	PASS
				1000~2387	1920.97	-40.85	≤-26	0.08222	≤2.5	PASS
				2387~2400	2388.40	-42.26	≤-16	0.05943	≤25	PASS
				2483.5~2496.5	2483.75	-13.25	≤-16	47.31513	≤25	See table below
				2496.5~13000	3434.46	-43.56	≤-26	0.04406	≤2.5	PASS

Test Result 2

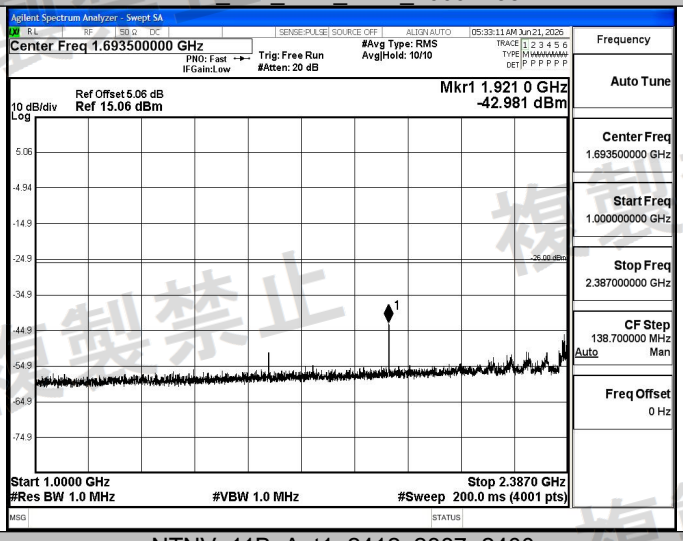
TestCondition	TestMode	PreScan In Ant	Channel	Ant	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11G	Ant1	2412	Ant1	2398.27	-33.50	≤-16	0.44668	≤25	PASS
			2472	Ant1	2483.58	-27.16	≤-16	1.92309	≤25	PASS
	11N20SISO	Ant1	2412	Ant1	2394.48	-36.21	≤-16	0.23933	≤25	PASS
			2472	Ant1	2483.98	-27.82	≤-16	1.65196	≤25	PASS
	11N40SISO	Ant1	2422	Ant1	2399.99	-30.60	≤-16	0.87096	≤25	PASS
			2462	Ant1	2483.60	-28.00	≤-16	1.58489	≤25	PASS
				Ant1	2498.80	-35.72	≤-26	0.26792	≤2.5	PASS
NTLV	11G	Ant1	2412	Ant1	2398.91	-32.55	≤-16	0.55590	≤25	PASS
			2472	Ant1	2483.60	-27.23	≤-16	1.89234	≤25	PASS
	11N20SISO	Ant1	2412	Ant1	2395.65	-35.55	≤-16	0.27861	≤25	PASS
			2472	Ant1	2484.52	-28.67	≤-16	1.35831	≤25	PASS
	11N40SISO	Ant1	2422	Ant1	2386.18	-37.97	≤-26	0.15959	≤2.5	PASS
				Ant1	2399.95	-30.73	≤-16	0.84528	≤25	PASS
			2462	Ant1	2483.51	-27.85	≤-16	1.64059	≤25	PASS
				Ant1	2498.97	-35.76	≤-26	0.26546	≤2.5	PASS
NTHV	11G	Ant1	2412	Ant1	2399.64	-31.81	≤-16	0.65917	≤25	PASS
			2472	Ant1	2484.06	-28.28	≤-16	1.48594	≤25	PASS
	11N20SISO	Ant1	2412	Ant1	2400.00	-31.09	≤-16	0.77804	≤25	PASS
			2472	Ant1	2483.56	-26.75	≤-16	2.11349	≤25	PASS
	11N40SISO	Ant1	2422	Ant1	2386.25	-37.97	≤-26	0.15959	≤2.5	PASS
				Ant1	2399.95	-30.65	≤-16	0.86099	≤25	PASS
			2462	Ant1	2483.60	-28.05	≤-16	1.56675	≤25	PASS

Test Graphs 1

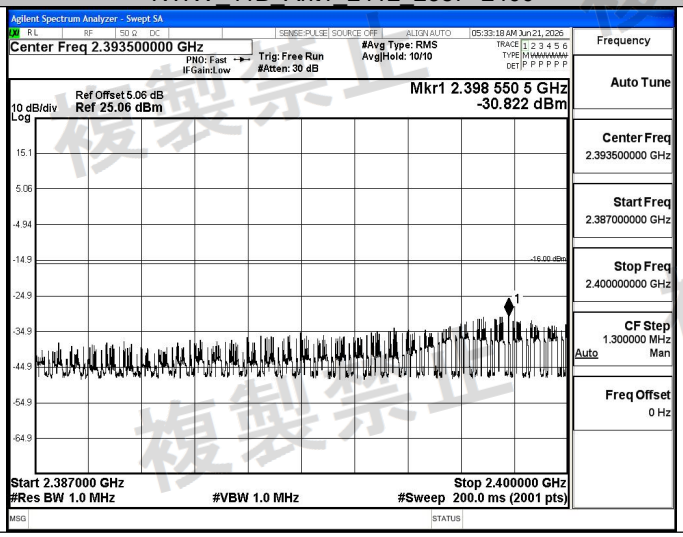
NTNV_11B_Ant1_2412_30~1000



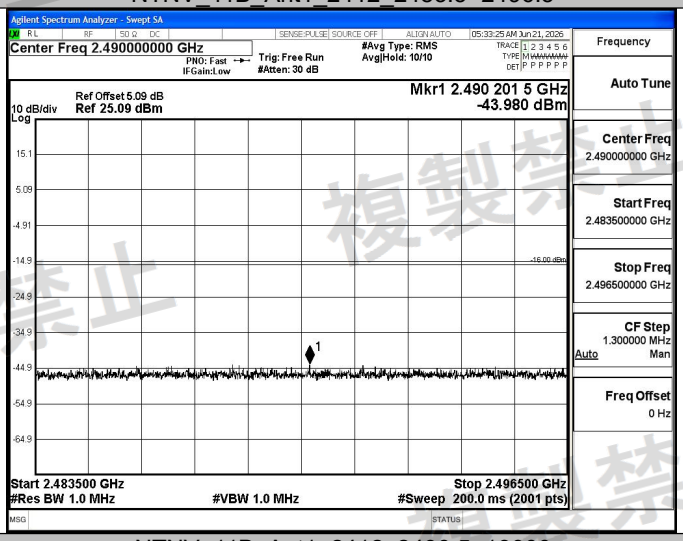
NTNV_11B_Ant1_2412_1000~2387



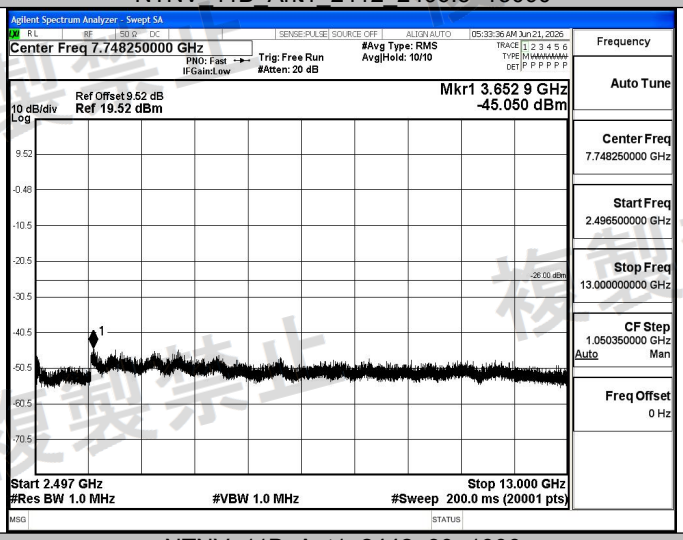
NTNV_11B_Ant1_2412_2387~2400



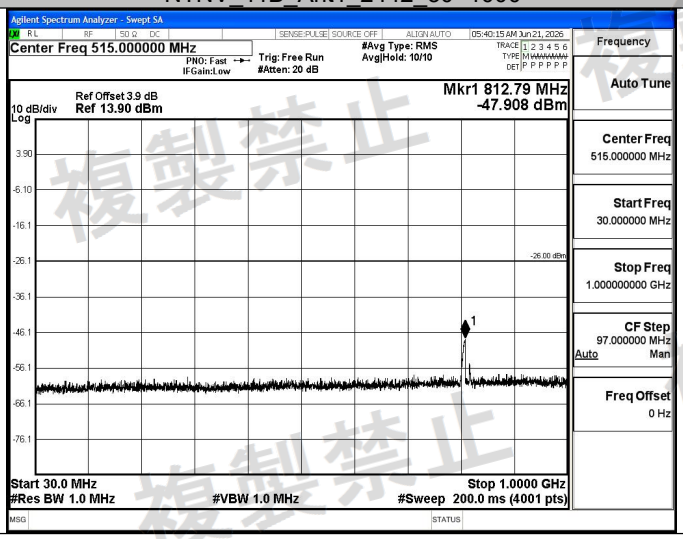
NTNV_11B_Ant1_2412_2483.5~2496.5



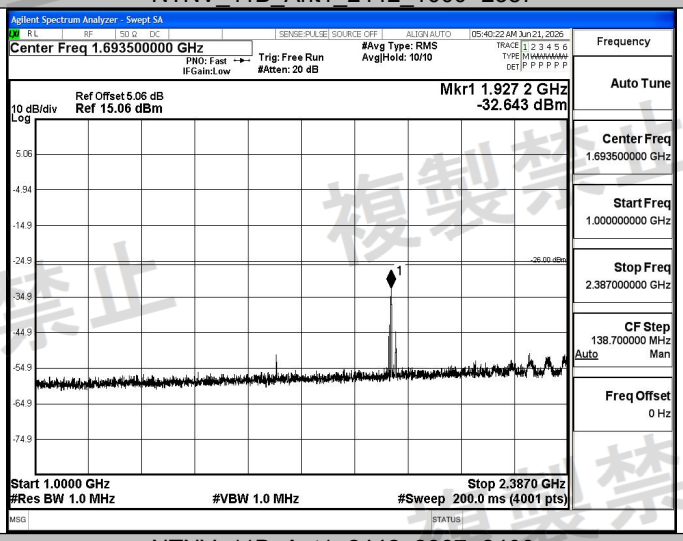
NTNV_11B_Ant1_2412_2496.5~13000



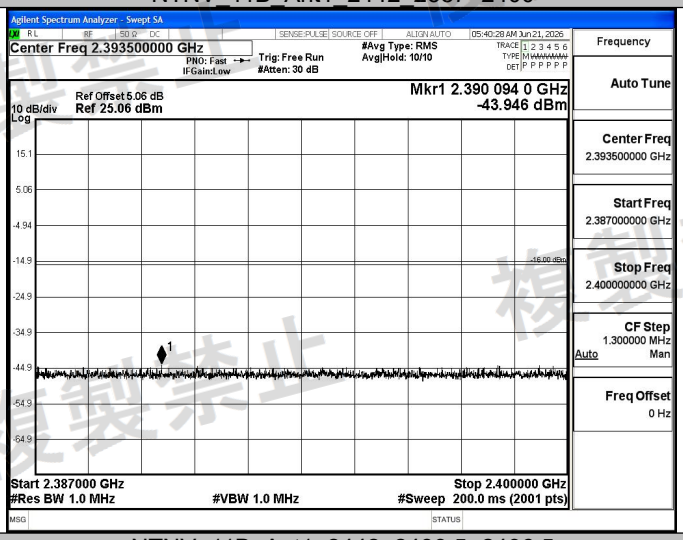
NTNV_11B_Ant1_2442_30~1000



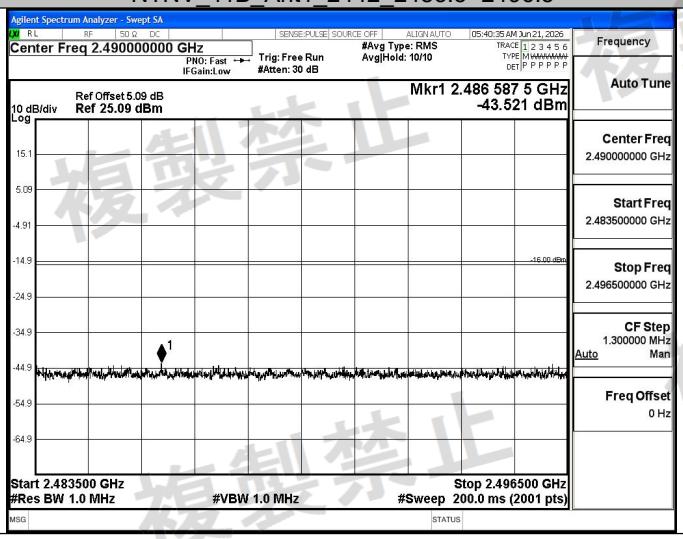
NTNV_11B_Ant1_2442_1000~2387



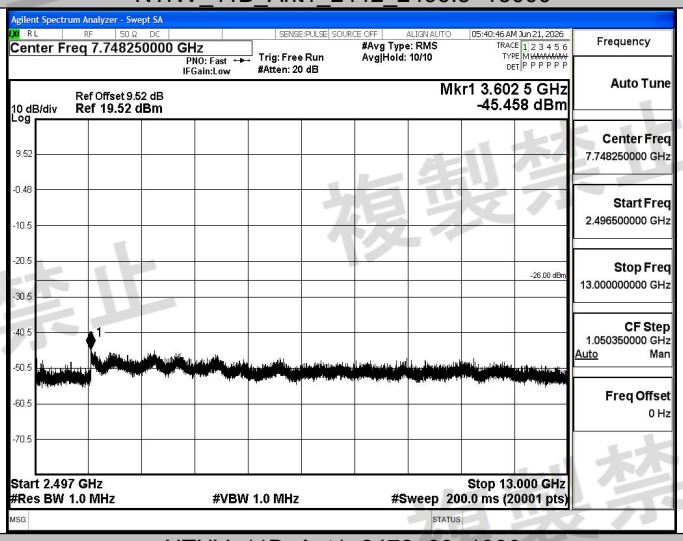
NTNV_11B_Ant1_2442_2387~2400



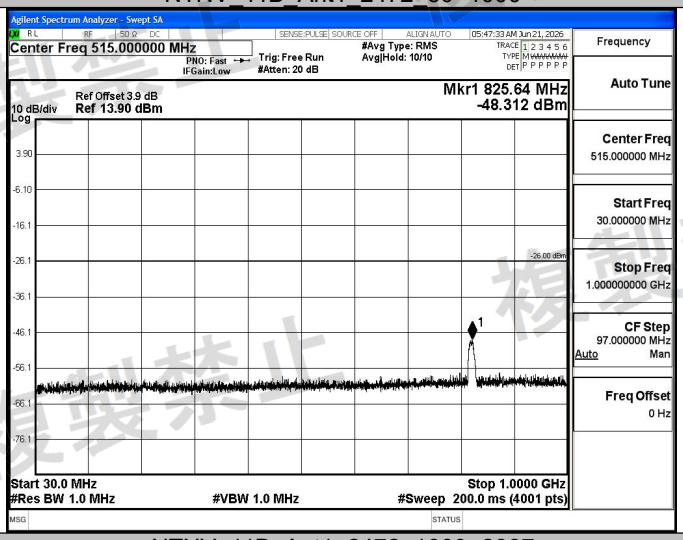
NTNV_11B_Ant1_2442_2483.5~2496.5



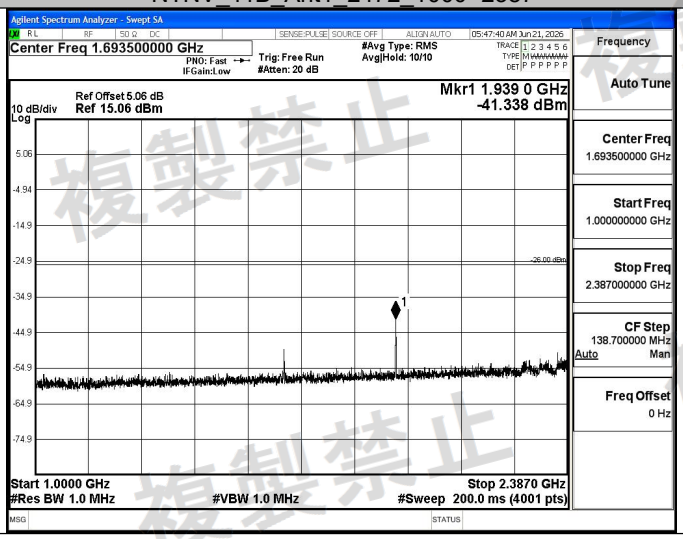
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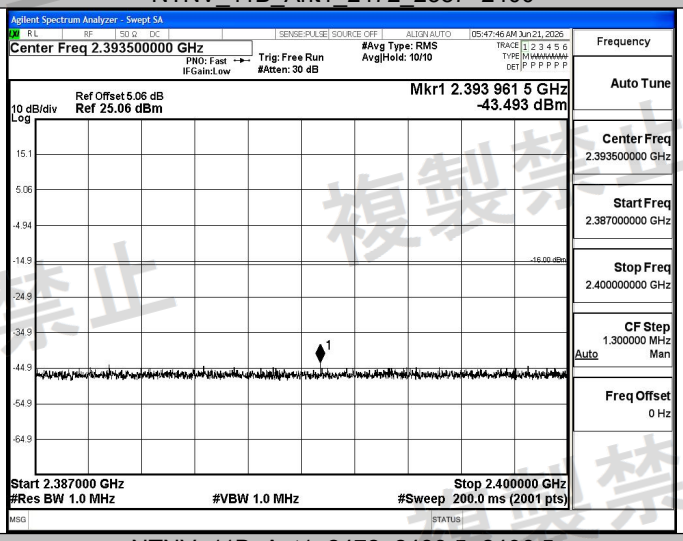
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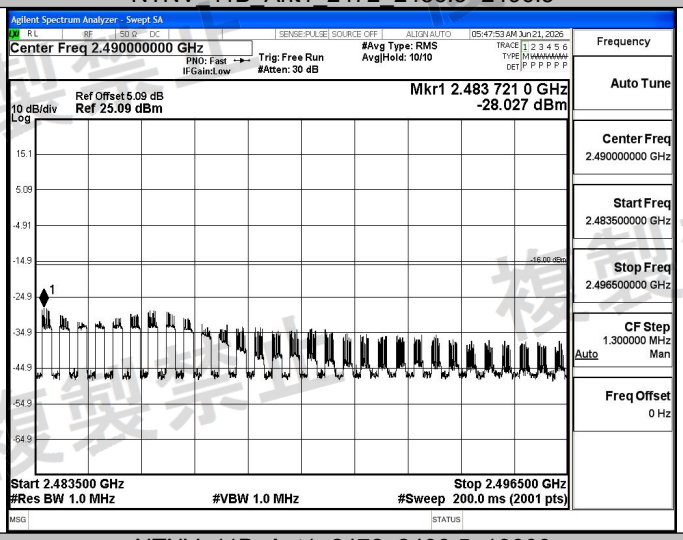
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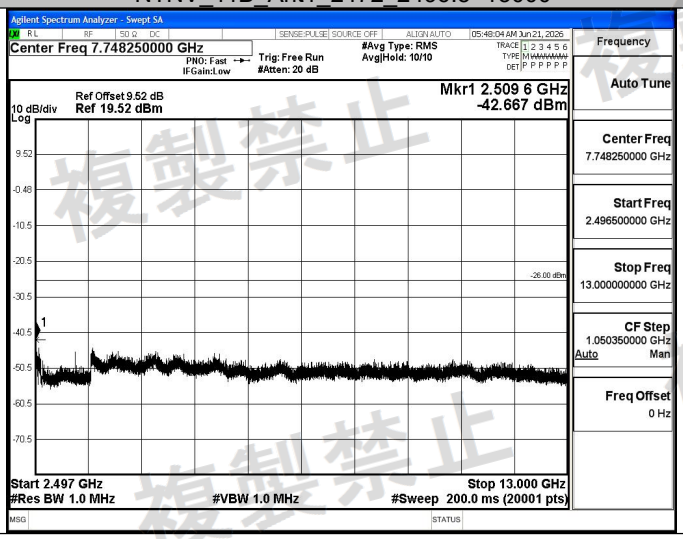
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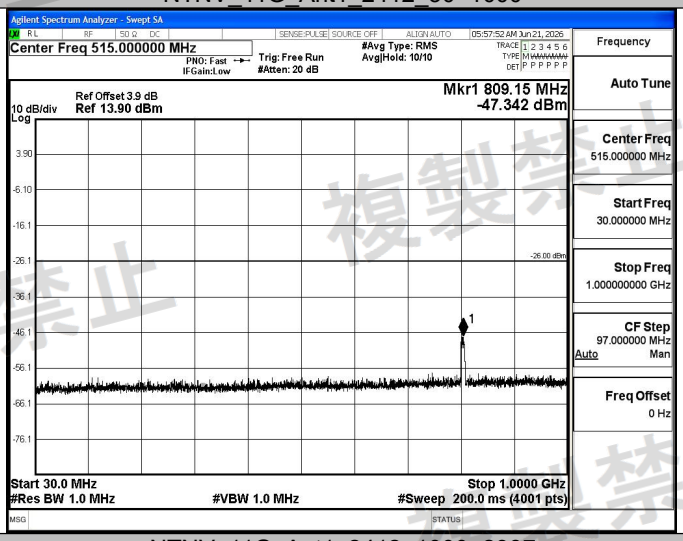
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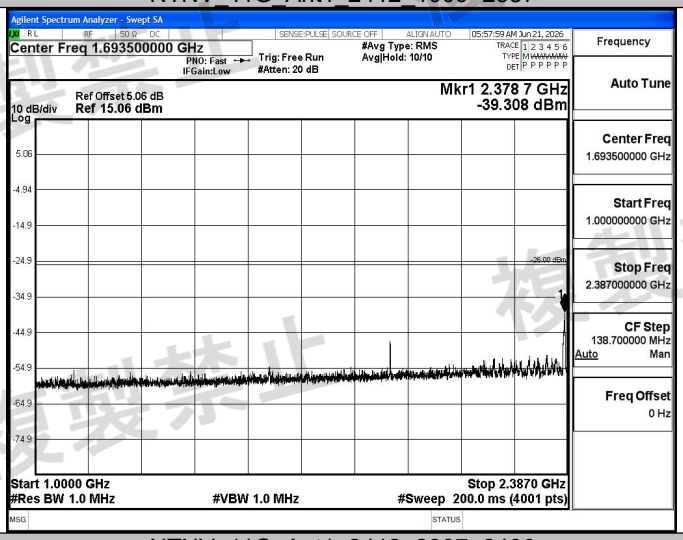
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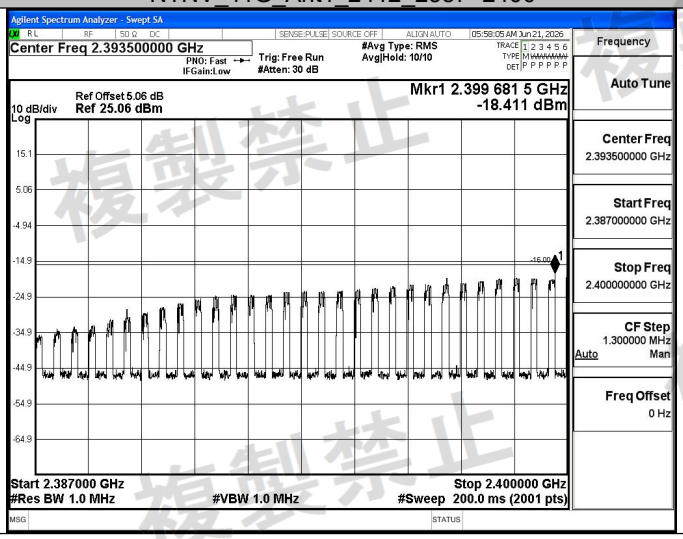
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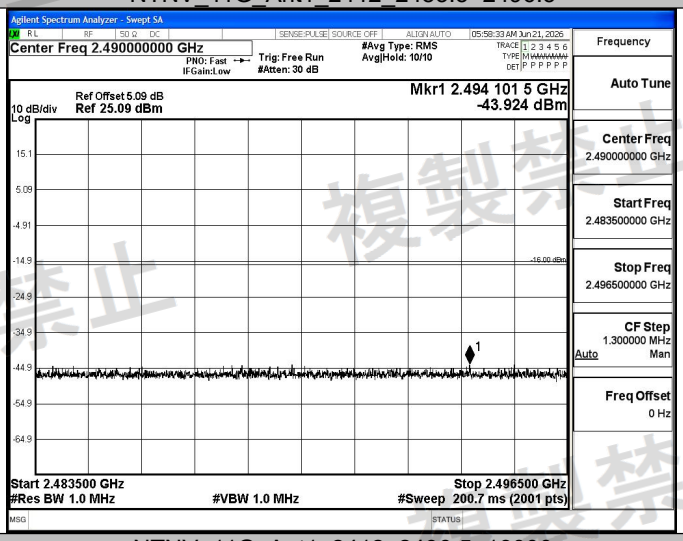
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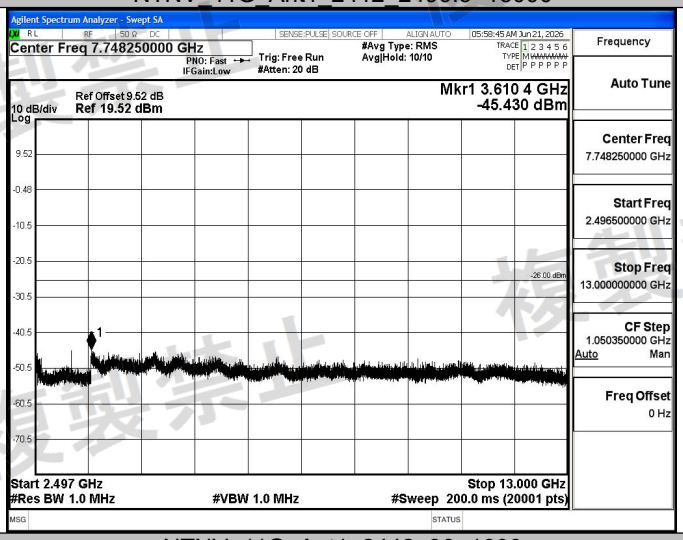
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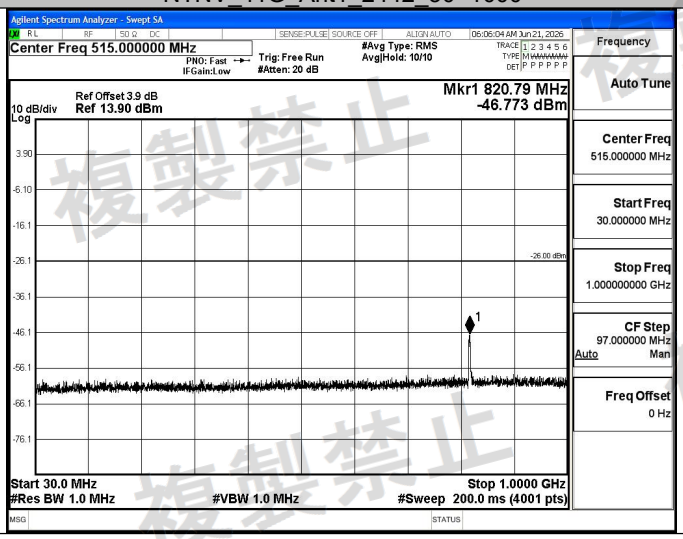
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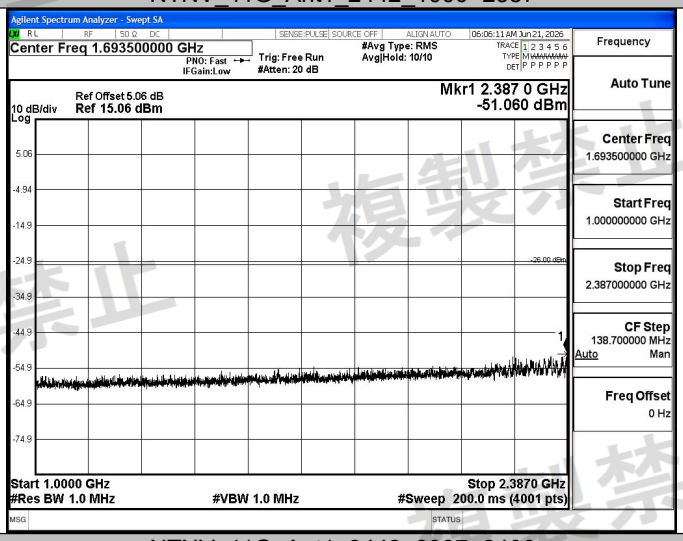
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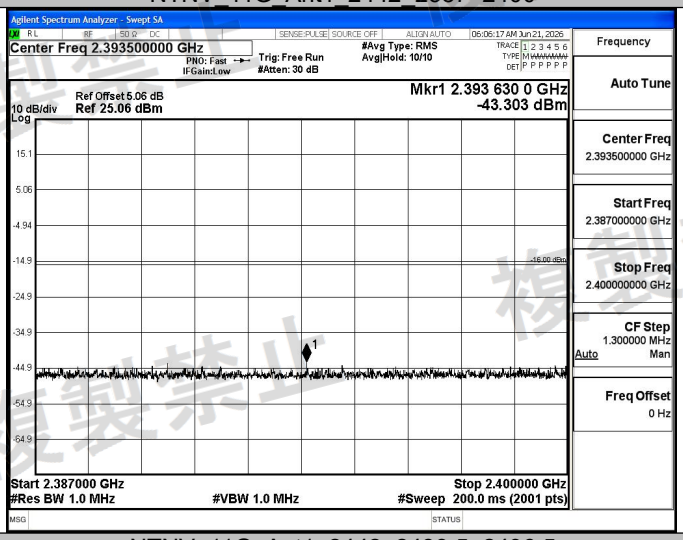
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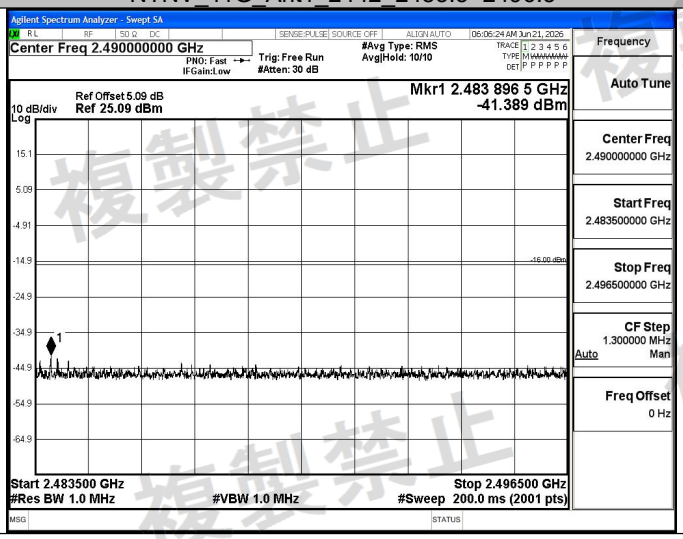
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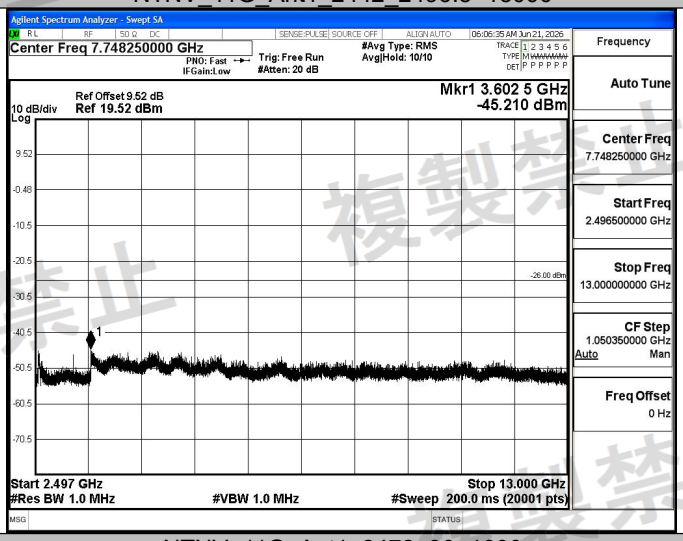
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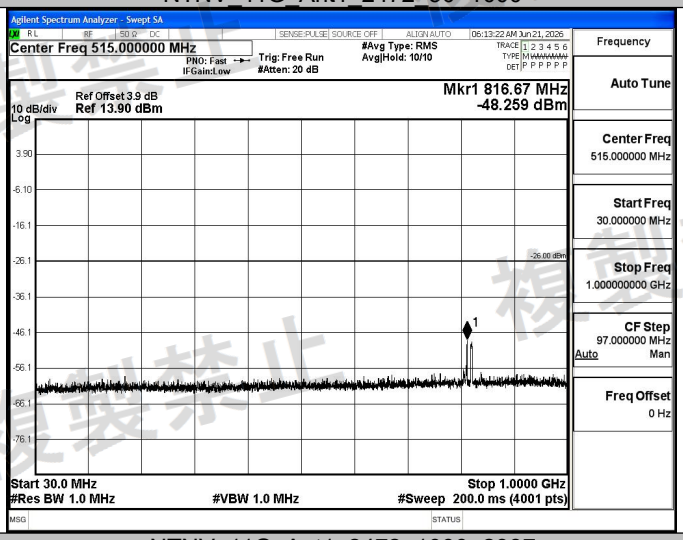
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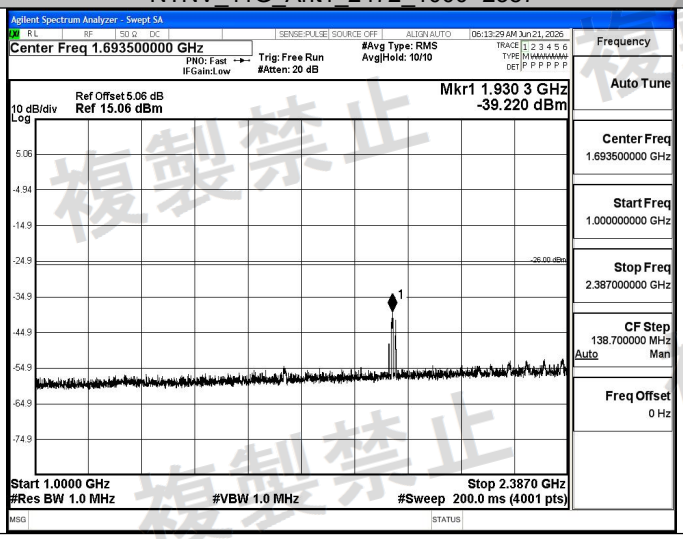
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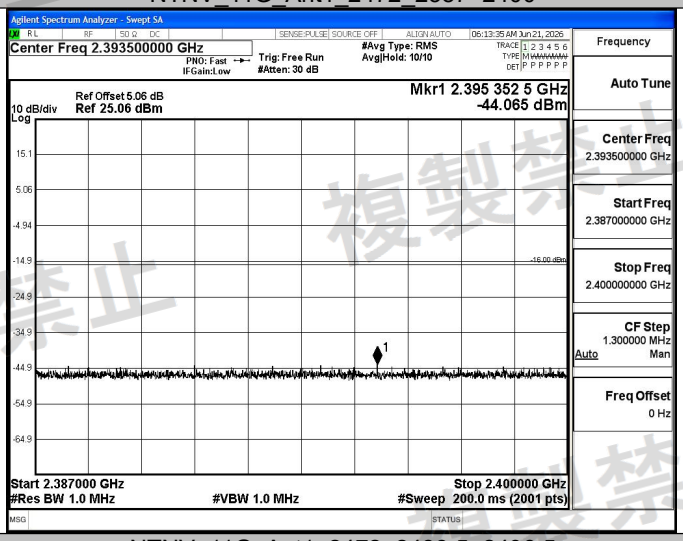
NTNV_11G_Ant1_2472_30~1000



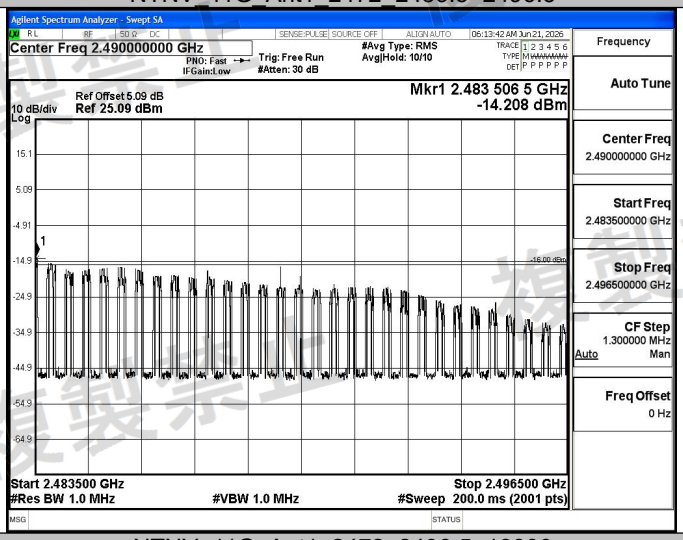
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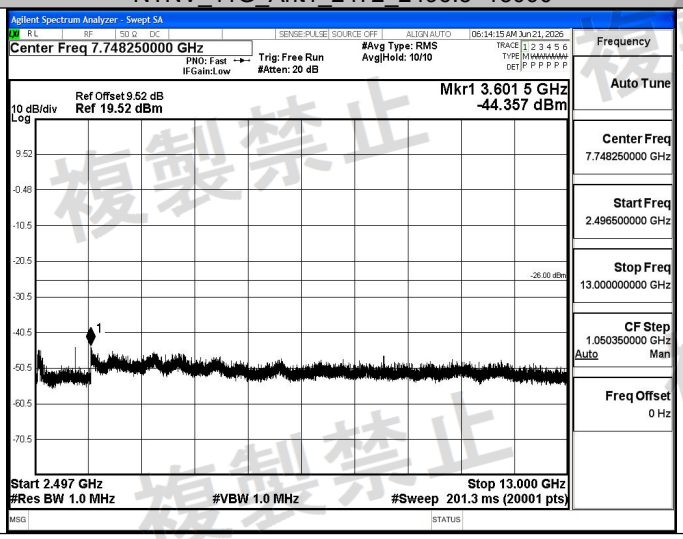
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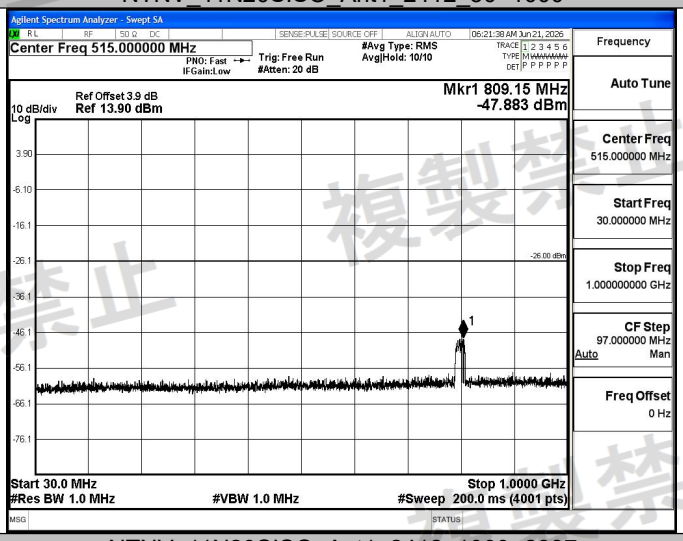
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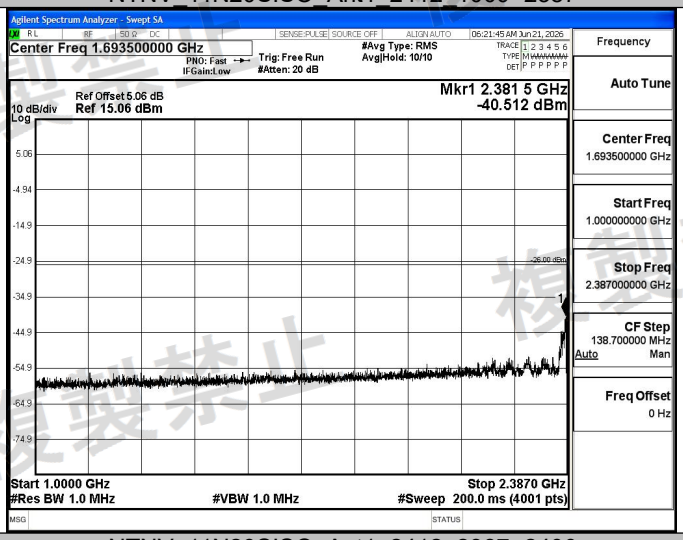
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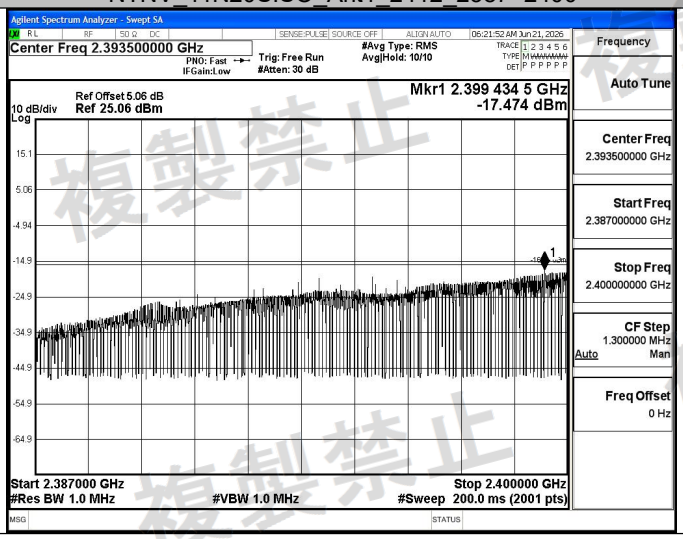
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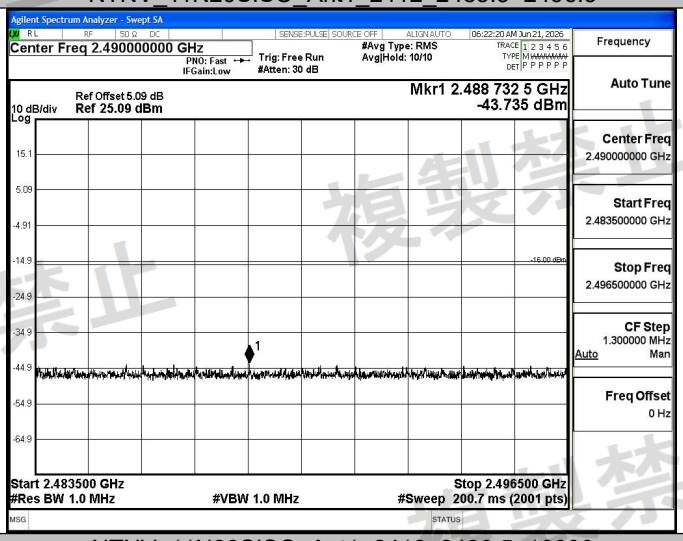
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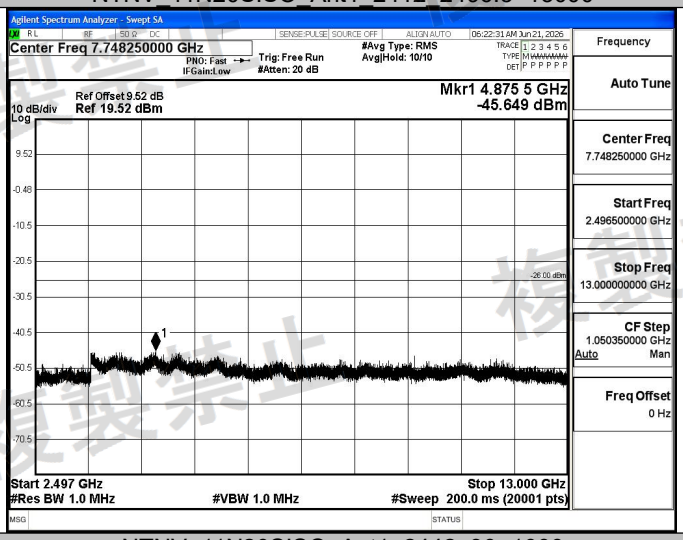
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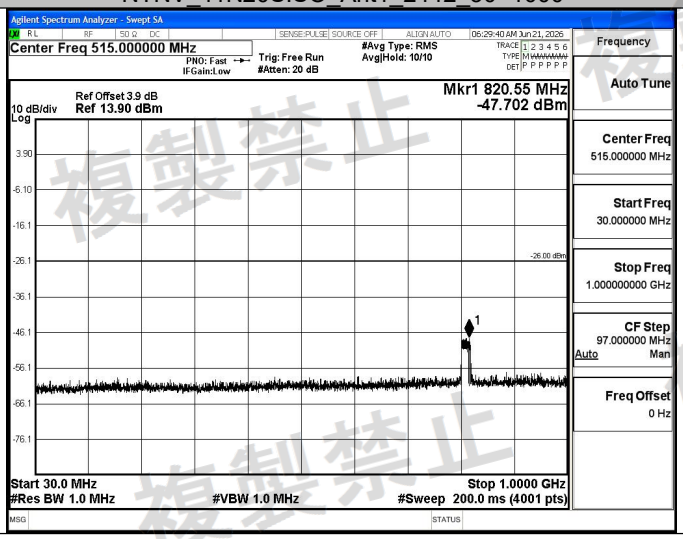
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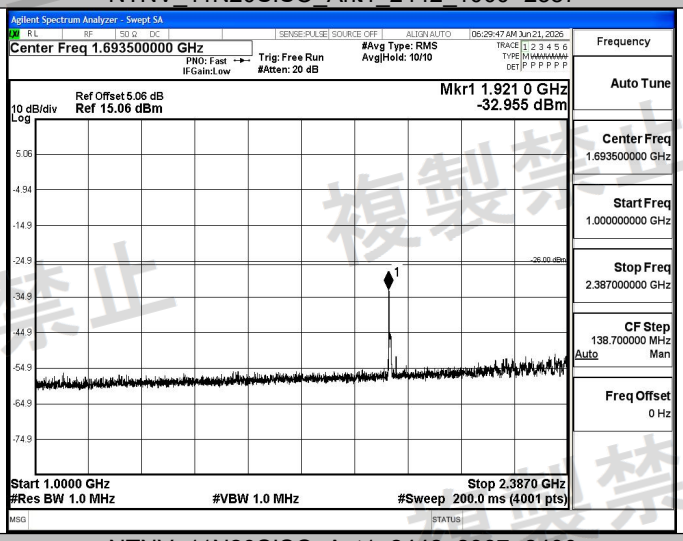
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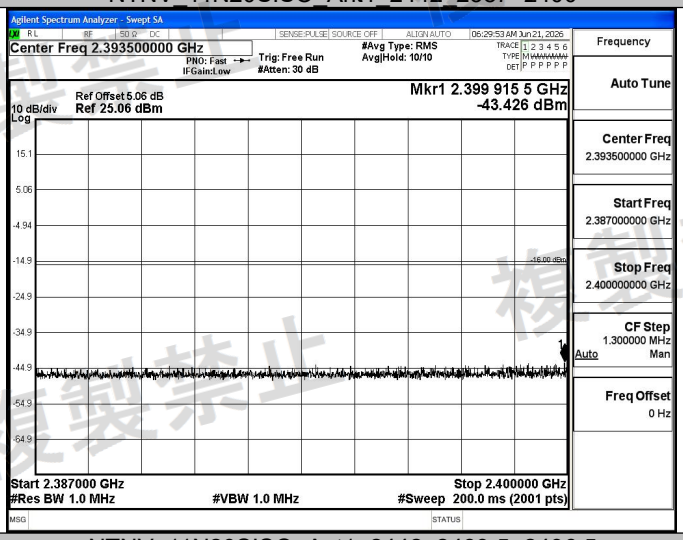
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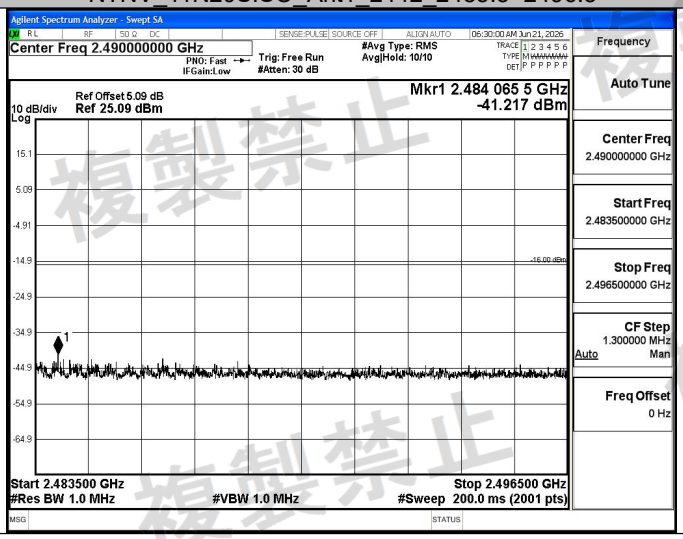
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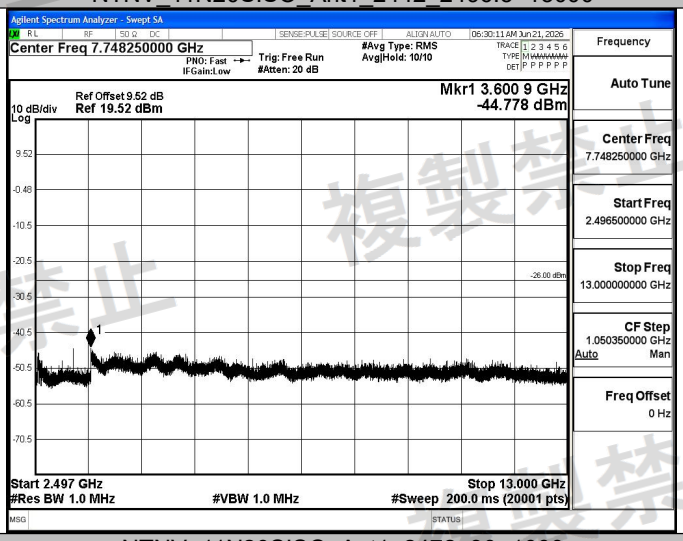
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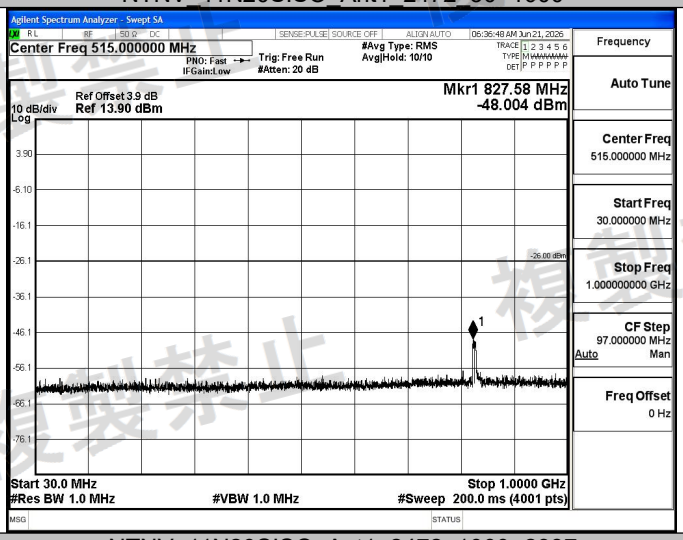
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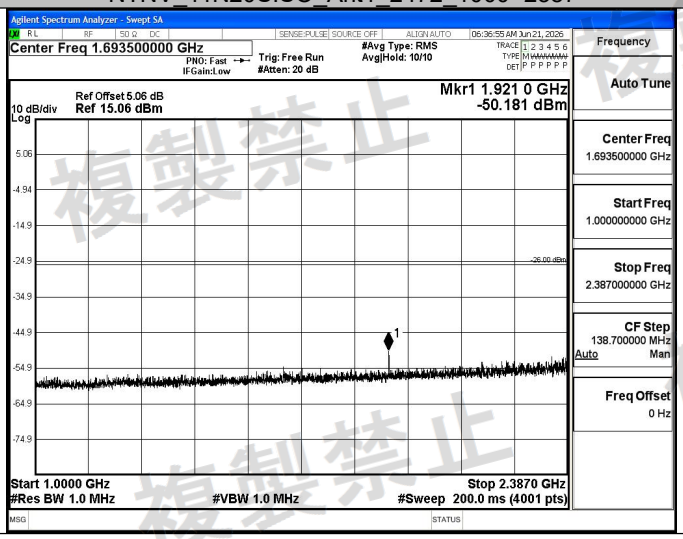
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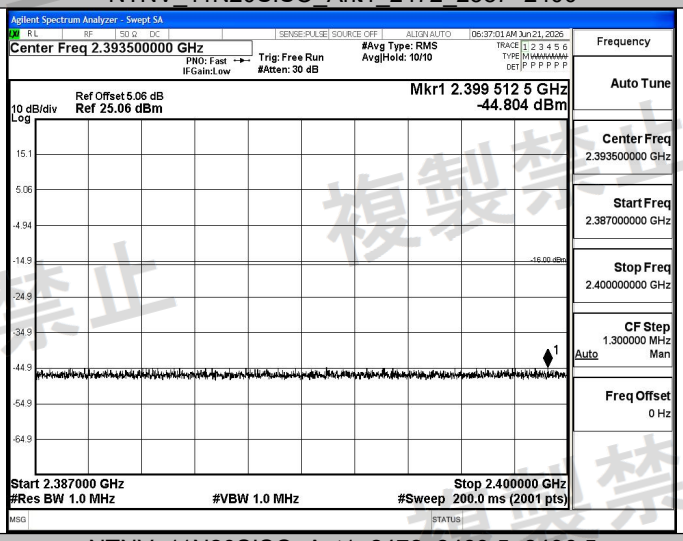
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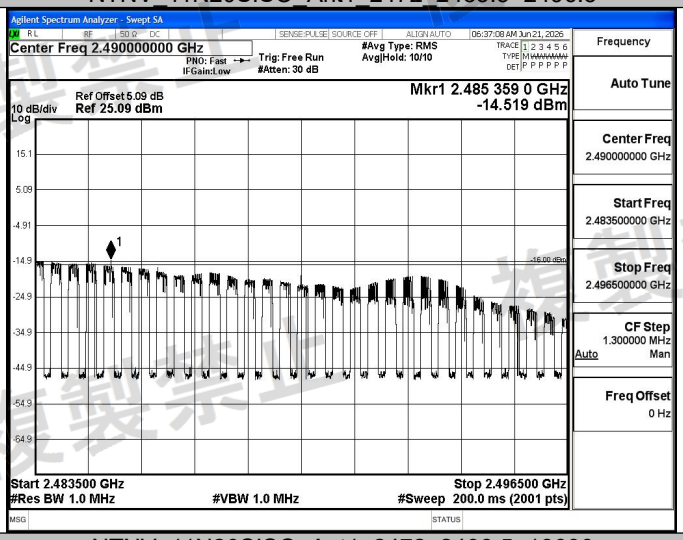
NTNV_11N20SISO_Ant1_2472_1000~2387



NTNV_11N20SISO_Ant1_2472_2387~2400



NTNV_11N20SISO_Ant1_2472_2483.5~2496.5



NTNV_11N20SISO_Ant1_2472_2496.5~13000

