TEST REPORT

Applicant Name：	XIANGLU Intelligent Technology (Beijing) Co., Ltd.
Product Name：	SLP 400 Pro
Model：	XGC07P-01
Test Report Number：	WD25121075-1RA3

Worldtest (GuangDong) Co., Ltd.

Room 102 and 201, Building 6, No.6, Gongye North Road, Songshan Lake(SSL), Dongguan, Guangdong, China

Tel：400 888 2955 & 0769-22891258 Fax：0769-22891235

Email：service.vip@worldtest.cn Web：www.worldtest.cn&www.worldtest.com.cn

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Applicant Information

Company Name:	XIANGLU Intelligent Technology (Beijing) Co., Ltd.
Address:	Room 117, 1st Floor, Building 3, No. 3 Courtyard, No. 3 Jinghai 5th Road, Beijing Economic-Technological Development Area (Tongzhou), Beijing.

Manufacturer Information

Company Name:	Xianglu Robot(Dongguan) Co., Ltd.
Address:	No. 55, Xinyuan Second Road, Songbailang Village,Dalang Town, Dongguan City, Guangdong Province.

EUT Information

EUT Name:	SLP 400 Pro
Model:	XGC07P-01
Brand:	橡鹿机器人
Sample Received Date:	Dec.04, 2025
Sample Status:	Normal
Sample ID:	WD-YP251204001
Date of Tested:	Jan. 09,2026 to Jan. 14,2026
Standard(s)	MIC Notice No.88 Appendix No.43 MIC Article 2-1 Item (19)
Issued By:	Worldtest (GuangDong) Co., Ltd.
Address:	Room 102 and 201, Building 6, No.6, Gongye North Road, Songshan Lake(SSL), Dongguan, Guangdong, China

Prepared by: Lucian Zhou/ *Apr.*15, 2026

Reviewer by: Barlow Lv/ *Apr.*15, 2026

Approved by: *Lam Liu/ Apr.*15, 2026

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RELEASE CONTROL RECORD

Issue No.	Description	Issued Date
WD25121075RA3	Original release.	Mar.20, 2026
WD25121075-1RA3	1. Modify the name and address of the application 2. Only the information of the applicant has changed. This does not affect the test data at all. The test data in the report is sourced from WD25121075RA3	Apr.15, 2026

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1. SUMMARY OF TEST RESULTS

☒ No deviations from the test standards
☐ Deviations from the test standards as below description:

Technical requirements for Frequency Hopping equipment

Performed Test Item	Normative References	Test Performed
Antenna power, antenna power tolerance and E.I.R.P.	MIC Notice No. 88 Appendix No. 43 Clause 6	Yes
Carrier Sensing Function 1	MIC Notice No. 88 Appendix No. 43 Clause 8	No （Note 1）
Carrier Sensing Function 2	MIC Notice No. 88 Appendix No. 43 Clause 8	Yes
Occupied Bandwidth	MIC Notice No. 88 Appendix No. 43 Clause 4	Yes
Frequency Tolerance	MIC Notice No. 88 Appendix No. 43 Clause 3	Yes
Duty Cycle	MIC Notice No. 88 Appendix No. 43	Yes
Transmitter Spurious Emissions	MIC Notice No. 88 Appendix No. 43 Clause 5	Yes
Receiver Spurious Emissions	MIC Notice No. 88 Appendix No. 43 Clause 7	Yes
Interference Preverntion fucntion	MIC Notice No. 88 Appendix No. 43 Clause 12	Good

Note 1: Application to transmitting devices which EIRP is less than【2.14dBi + antenna power limit】and the shortage of EIRP is compensated by the antenna power,Not applicable to this product.
Note 2:Application to transmitting devices with OFDM modulation and The occupied bandwidth greater than 26MHz ,Not applicable to this product.

1.1. TEST METHODOLOGY

All tests were performed in accordance with the procedures documented in MIC Notice No.88 Appendix No.43

1.2. TEST FACILITIES

No.	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	lenovo	S14 G2 ITL	PF4119QS	Power by adapter
2	Serial cable	N/A	N/A	N/A	Unshielded,0.8m
3	SMA cable	N/A	N/A	N/A	Shielded,0.8m
4	Power cable	N/A	N/A	N/A	Unshielded,0.8m

1.3. MEASUREMENT UNCERTAINTY

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

Parameter	Uncertainty
Radio Frequency	±1 x 10-7
RF Power Conducted	±1.15dB
RF Power Radiated	±3.5dB
Occupied Channel Bandwidth	±1.17%
Spurious Emissions, Conducted	±1.68dB
Spurious Emissions, Radiated	±3.5dB
Humidity	±1%
Temperature	±0.5℃
Time	±8%

1.4. TEST EQUIPMENT LIST AND DETAILS

RF Conducted Test System					
Equipment	Manufacturer	Model No.	Serial No.	Cal. date	Interval
RF Control Unit	Tonscend	JS0806-2	23F80620689	2025-08-30	1 Year
DC Power Supply	Agilent	E3642A	MY40000323	2025-08-30	1 Year
MClean Robot Vector Signal Generator	Agilent	N5182A	MY50141372	2025-08-30	1 Year
MClean Robot Analog Signal Generator	Agilent	N5181A	MY47421166	2025-08-30	1 Year
Spectrum analyzer	Agilent	N9010A	MY50483285	2026-02-03	1 Year

Software			
Description	Manufacturer	Name	Version
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System	2.6.77.0518

Measuring Equipment Calibration Information		
Used	Calibration Company	Full Name of calibration company

	Abbreviation	
☒	GRGTEST	GRG METROLOGY & TEST GROUP CO.,LTD.
Calibration Information		
☐	a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) ora 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	

2. GENERAL INFORMATION

2.1. GENERAL DESCRIPTION OF EUT

EUT Name	SLP 400 Pro
Model Name	XGC07P-01
Radio Technology	IEEE802.11b/g/n/ax HT20,HT40
Operation frequency	IEEE 802.11b: 2412MHz—2472MHz IEEE 802.11g: 2412MHz—2472MHz IEEE 802.11n,ax HT20: 2412MHz—2472MHz IEEE 802.11n,ax HT40: 2422MHz—2462MHz
Modulation	IEEE 802.11b: DSSS(CCK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20,HT40 OFDM (64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ax HT20,HT40 OFDMA (1024QAM,256QAM,64QAM, 16QAM, QPSK,BPSK)
Antenna description	BT,BLE,WiFi uses Ant 1
Rating	AC 200V 3P~ 50Hz/60Hz 7kW

Note: 802.11ax only supports Full RU.

2.2. ANTENNA LIST

Model No.	N/A					
Antenna manufacturer	N/A					
Antenna Delivery	☒	1*TX+1*RX	☒	2*TX+2*RX	☐	3*TX+3*RX
Antenna technology	☒	SISO				
	☐	MIMO	☐	Basic		
			☐	CDD		
			☐	Beam-forming		
Antenna Type	☐	External	☐	Patch		
	☒	Internal	☒	Dipole		
			☐	PCB		
			☐	Ceramic Chip Antenna		
			☐	Metal plate type F antenna		
			☐	stamping antenna		
Antenna Gain Reference	1.5dBi					

2.3. CHANNEL LIST

Channel List for IEEE 802.11b/g/n/ax (20 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452	13	2472
2	2417	6	2437	10	2457	/	/
3	2422	7	2442	11	2462	/	/
4	2427	8	2447	12	2467	/	/

Channel List for IEEE 802.11n/ax (40 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	/	5	2432	9	2452	13	/
2	/	6	2437	10	2457	/	/
3	2422	7	2442	11	2462	/	/
4	2427	8	2447	12	/	/	/

2.4. TEST CHANNEL CONFIGURATION

IEEE Std. 802.11	Test Channel Number	Frequency
b	CH 1(Low Channel), CH 7(MID Channel), CH 13(High Channel)	2412 MHz, 2442 MHz, 2472 MHz
g	CH 1(Low Channel), CH 7(MID Channel), CH 13(High Channel)	2412 MHz, 2442 MHz, 2472 MHz
n/ax HT20	CH 1(Low Channel), CH 7(MID Channel), CH 13(High Channel)	2412 MHz, 2442 MHz, 2472 MHz
n/ax HT40	CH 3(Low Channel), CH 7(MID Channel), CH 11(High Channel)	2422 MHz, 2442 MHz, 2462 MHz

2.5. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)	Uncorrelated directional gain(dBi)
ANT 1	2412 ~ 2472	Dipole Antenna	1.5dBi	

IEEE Std. 802.11	Transmit and Receive Mode	Description
b/g/n/ax	1TX, 1RX	Separate individual antenna can be used as transmitting/receiving .

Note: The value of the antenna gain was declared by customer.

2.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5 MHz Band							
Test Software		RFTestTool.apk					
IEEE Std. 802.11	Transmit Antenna Number	Test Software Setting Value					
		NCB: 20MHz			NCB: 40MHz		
		CH 1	CH 7	CH 13	CH 3	CH 7	CH 11
b/g/n/ax SISO	1	default	default	default	N/A		
n/ax SISO	1	N/A			default	default	default

2.7. TEST CONDITIONS

The WIFI module was tested while in a continuous transmitter/receiver mode.
The eut was tuned to a low,middle and high channel for all tests.For all test case pre/scans were completed in all modes to determine worst case levels.

Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input DC Power	24.00V	26.40V	21.60V
RF Chip	3.3V	3.3V	3.3V
Voltage Varuation	0	0%	0%

Note:The voltage here is the power supply voltage for the touch screen. The variation of the chip's power supply voltage does not exceed 1%. Only the normal voltage condition is tested.

2.8. DESCRIPTION OF TEST SETUP

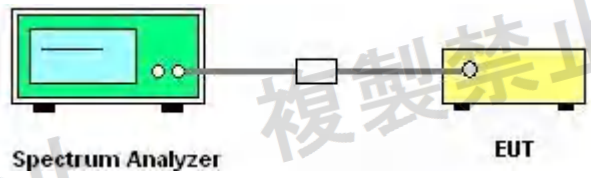
SUPPORT EQUIPMENT

Follow up the claims of the applicant

TEST SETUP

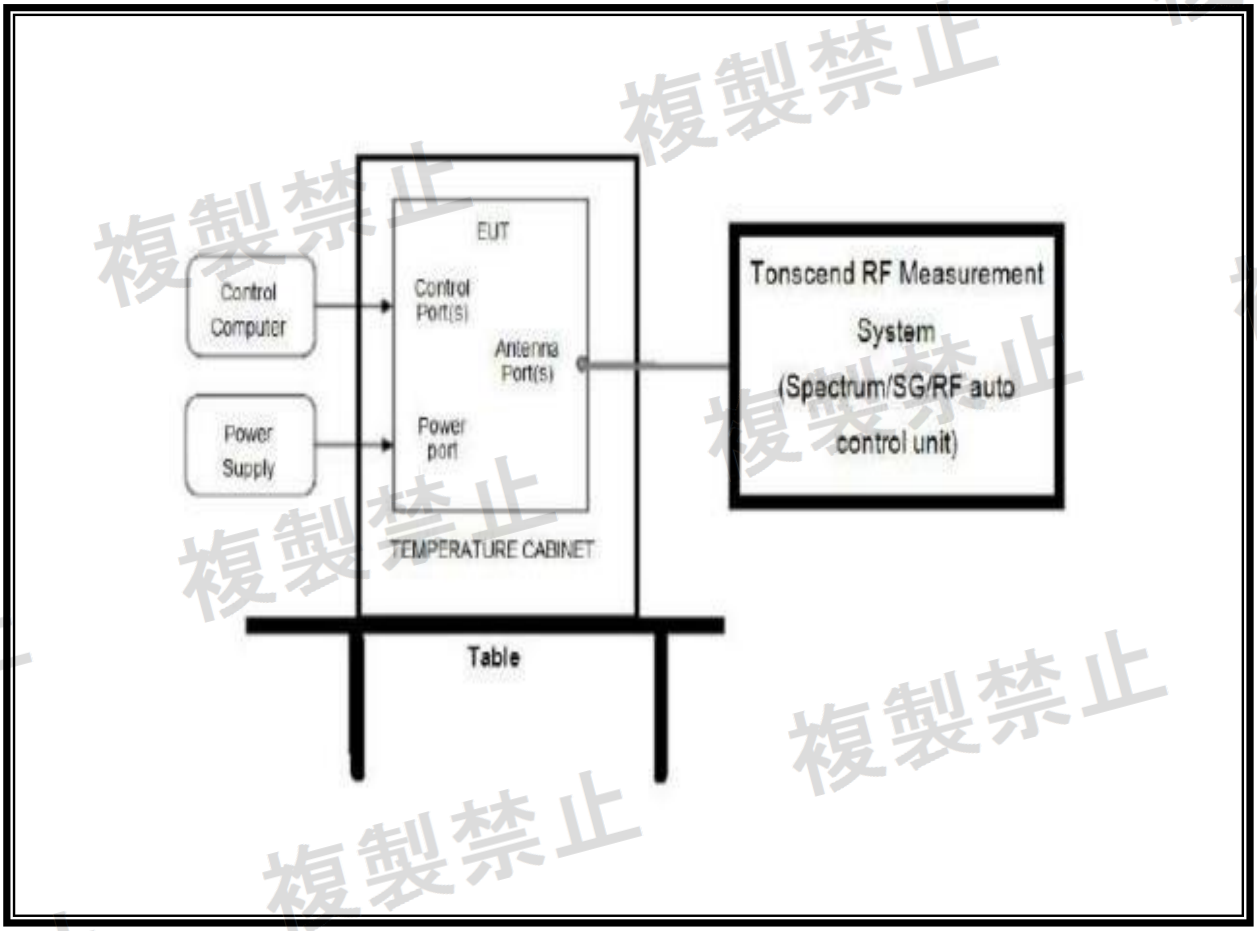
The EUT can work in engineering mode during the testing.

SETUP DIAGRAM FOR TESTS



2.9. TEST SYSTEM CONFIGURATION

Test System(for all test items)



2.10. TEST ENVIRONMEN

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	56
Barometric pressure (mbar)	860-1060	1001

3. TEST PROCEDURES AND RESULTS

3.1. FREQUENCY TOLERANCE

LIMITS

≦±50 ppm

TEST PROCEDURE

1. Frequency accuracy of instrument shall be less than 10% of limits tolerance (5ppm).
2. Three testing methods
   a.Measure frequency tolerance by the system simulator.
   b.CW Tone method
   Setting of SA is following as: RBW:10kHz / VBW:10kHz.
   Maker Max. level to get measuring frequency f.
   c.10dB down method
   Setting of SA is following as: RBW:100kHz / VBW: 100kHz / Trace: MaxHold
   Display line Level = Max. level – 10dB to place two markers, highest(fH) and lowest(fL) frequency
   Determine measuring frequency f = (fH+fL)/2
3. The frequency tolerance test case is directly measured using the frequency accuracy function of Wifi tester or spectrum analyzer. Then the frequency error formula is (f-fc)/fc×10-6 ppm and the limit is less than ±50ppm.

RESULTS

Please refer to appendix A.

3.2. ANTENNA POWER, ANTENNA POWER TOLERANCE AND E.I.R.P.

LIMITS

Output Power must be 10 mW/MHz or less. For Bandwidth is within 26M
Output Power must be 5 mW/MHz or less. For Bandwidth is within 26M to 40M

Output Power Tolerance: +20%

EIRP must be 12.14 to 22.14 dBm/MHz or less. For Bandwidth is within 26M
EIRP must be 9.13 to 19.13 dBm/MHz. For Bandwidth is within 26M to 40M

TEST PROCEDURE

Search Frequency of Peak Power
Test Frequency: test channel
RBW=VBW=1MHZ,SPAN=40MHz,Sweep time=Auto,Detector mode=Positive peak
Note: SPAN adjusts according to the bandwidth mode of the measured object. In the 20 MHz bandwidth mode, it is set to 40 MHz, and in the 40 MHz bandwidth mode, it is set to 80 MHz.

Measure of average burst power
Test Frequency:frequency of peak power
RBW=VBW=1MHZ,SPAN=0Hz,Sweep time=Auto,Detector mode=RMS
Reading Level=burst power

EIRP=D+G+10 log（1/x）
D:antenna power ; G:antenna gain x：duty Cycle

RESULTS

Please refer to appendix B.

3.3. OCCUPIED BANDWIDTH

LIMIT

≦26 MHz for DSSS&OFDM, 40 MHz bandwidth mode is 26 - 40 MHz.

TEST PROCEDURE

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.
1. A positive peak detector function must be used.
2. A measurement instrument with an integrated 99% power bandwidth function may be used to automate the test process.
3. The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
4. 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

Spectrum Analyzer Conditions:

RBW : 300kHz

VBW : 300kHz

Span: 40MHz

Note: SPAN adjusts according to the bandwidth mode of the measured object. In the 20 MHz bandwidth mode, it is set to 40 MHz, and in the 40 MHz bandwidth mode, it is set to 80 MHz.

Sweep time : Auto, Marker : Marker Off

Log scale : 10dB/Div,

Data points : 1001points or more

Detection : Sample, Sweep mode : Continuous

Measurement Procedure and Capture Image

A,B -> Storage -> Average -> Averaging count -> 100 -> enter
Measure -> more -> Occupied Bandwidth -> N% Ratio -> 99%

RESULTS

Please refer to appendix C.

3.4. CARRIER SENSING FUNCTION

LIMIT

Item	Limits (See Article 49-20, Item1-k of the Ordinance Regulating Radio Equipment)
Carrier Sense	Good – EUT stop RF transmission signal after carrier inject to EUT. (On 22.79+Gr-20*log(f)[dBm] (Gr: dBi; f: MHz) or 100mV/m)
Remarks	This test item will be applied to OFDM, 26MHz<BW≦ 38MHz

TEST PROCEDURE

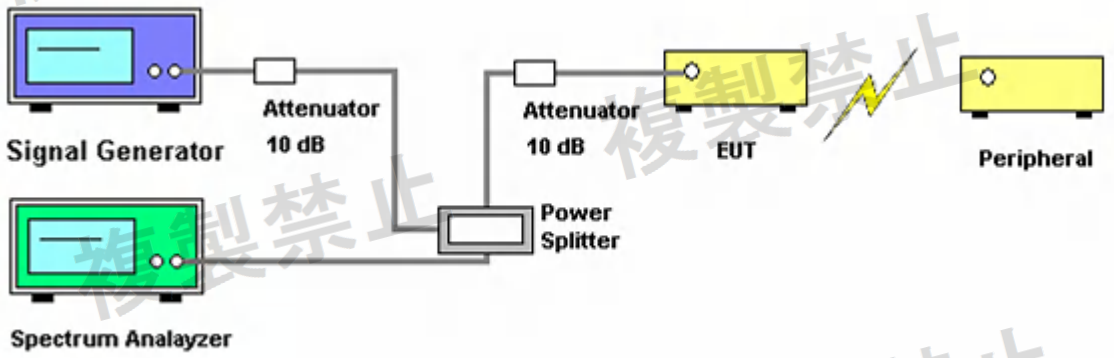
Test method which surpass to Clause 8,9 of Annex No.43 of MIC Notification No.88.

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

Spectrum setting

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

Test setting



RESULTS

Test Power	Normal Voltage
Test Mode	802.11 n40,ax40
Test Result	Good

3.5. DUTY CYCLE

LIMITS

N/A

TEST PROCEDURE

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.
1. A positive peak detector function must be used.
2.The center frequency is set to the test frequency and the span is switched to zero.
3.The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
4.'Single sweep' mode may be used to capture a packet over a single scan.

RESULTS

Please refer to appendix F.

3.6. TRANSMITTER SPURIOUS EMISSIONS

LIMITS

<= 2.5uW/MHz or less for 30 – 2387 MHz
<= 25uW/MHz or less for 2387 – 2400 MHz
<= 25uW/MHz or less for 2483.5 – 2496.5 MHz
<= 2.5uW/MHz or less for 2496.5 – 12500 MHz

TEST PROCEDURE

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.
1. A positive peak detector function must be used.
2. The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
3. 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

Spectrum Analyzer Conditions:

RBW : 1MHz

VBW : 1MHz

Sweep time : Auto

Trace mode:Max hold

Log scale : 10dB/Div,

Data points : 8001points or more

Detection : Peak, Sweep mode : Continuous

RESULTS

Please refer to appendix D.

3.7. RECEIVER SPURIOUS EMISSIONS

LIMITS

<= 4nW for 30 – 1000 MHz
<= 20nW for 1000 – 12750 MHz

TEST PROCEDURE

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.
1. A positive peak detector function must be used.
2. The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
3. 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.
Spectrum Analyzer Conditions:

RBW : 100kHz(Below 1000MHz)/1MHz(Above 1000MHz)

RBW=VBW

Sweep time : Auto

Trace mode:Max hold

Log scale : 10dB/Div,

Data points : 8001points or more

Detection : Peak, Sweep mode : Continuous

RESULTS

Please refer to appendix E.

3.8. INTERFERENCE PREVERNTION FUCNTION

LIMITS

N/A

Requirement:

The EUT shall have the interference prevention capability to transmit or to receive the identification Automatically,so that sender and receiver shall exclude other equipment.

TEST PROCEDURE

In the case that the EUT has the function of automatically transmitting the identification code:

1)Transmit the predetermined identification codes from EUT

2) Check the transmitted identification codes with the demodulator.

In the case of receiving the identification codes:

1)Transmit the predetermined identification codes from the counterpart.

2) Check if communication is normal

3) Transmit the signal other than predetermined ID codes from the counterpart.

4) Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones

Mac：20-08-EC-AH-3B-2C

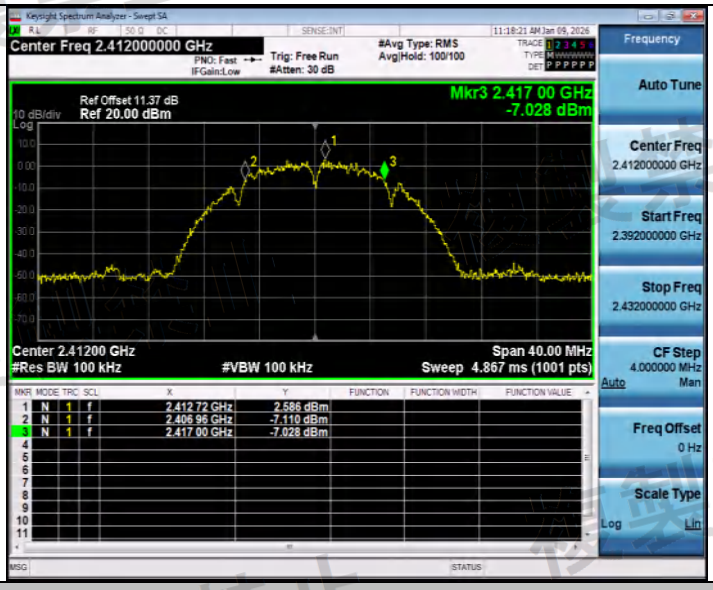
RESULTS

Good，EUT performed relevant functional tests as required, and the product signal was normal.

Appendix A: Frequency Tolerance

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	11B	Ant1	2412	-8.29187	±50	PASS
			2442	16.38002	±50	PASS
			2472	16.18123	±50	PASS
	11G	Ant1	2412	0.00000	±50	PASS
			2442	8.19001	±50	PASS
			2472	0.00000	±50	PASS
	11N20SISO	Ant1	2412	0.00000	±50	PASS
			2442	0.00000	±50	PASS
			2472	-8.09062	±50	PASS
	11N40SISO	Ant1	2422	0.00000	±50	PASS
			2442	0.00000	±50	PASS
			2462	0.00000	±50	PASS
	11AX20SISO	Ant1	2412	0.00000	±50	PASS
			2442	24.57003	±50	PASS
			2472	-16.18123	±50	PASS
	11AX40SISO	Ant1	2422	0.00000	±50	PASS
			2442	-16.38002	±50	PASS
			2462	0.00000	±50	PASS



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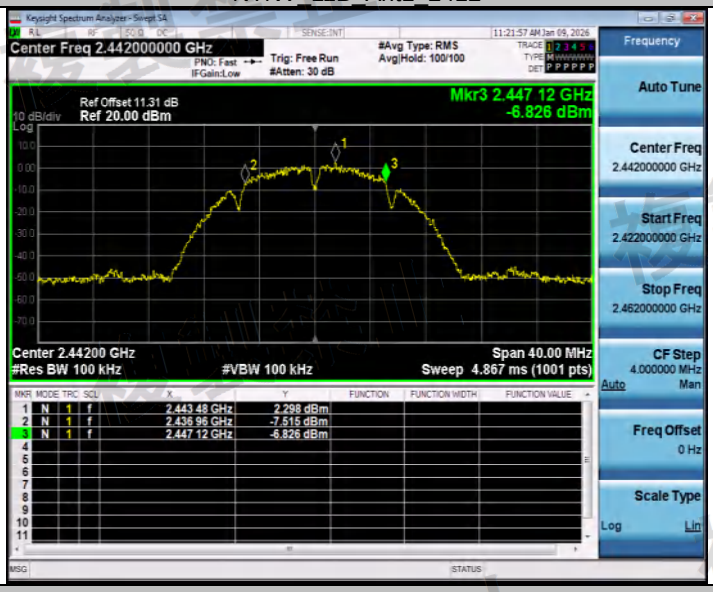

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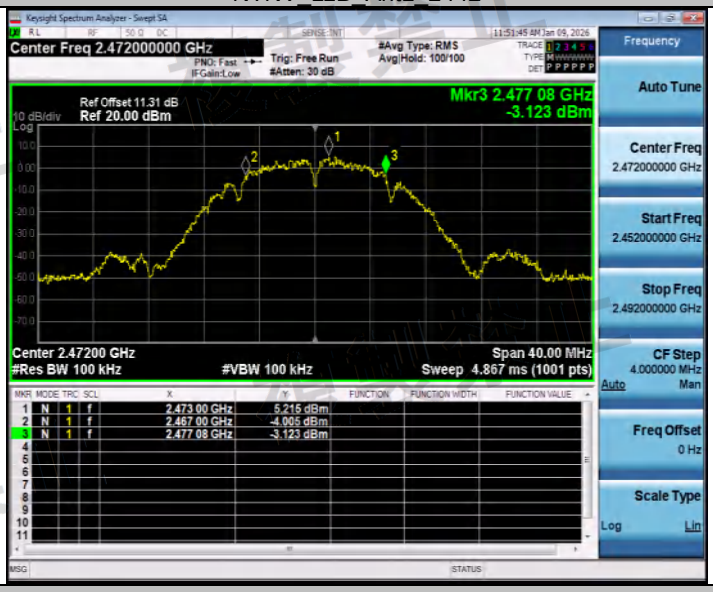
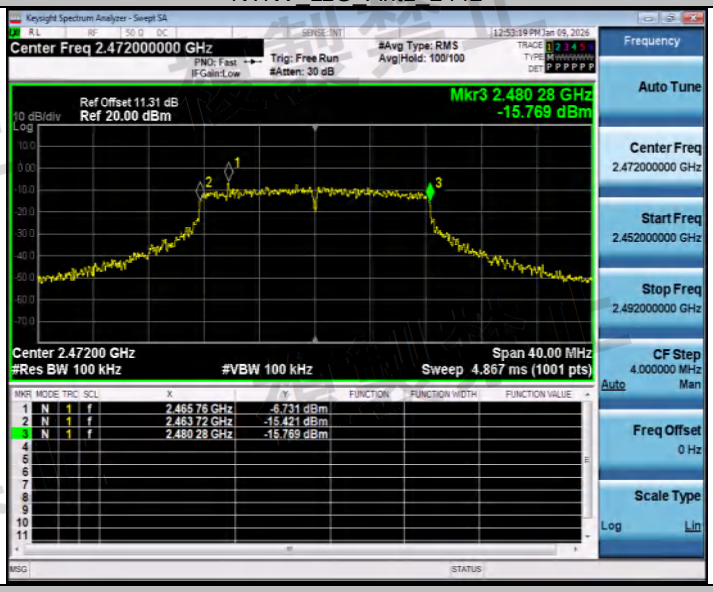


NTNV_11B_Ant1_2472

NTNV_11G_Ant1_2412

NTNV_11G_Ant1_2442



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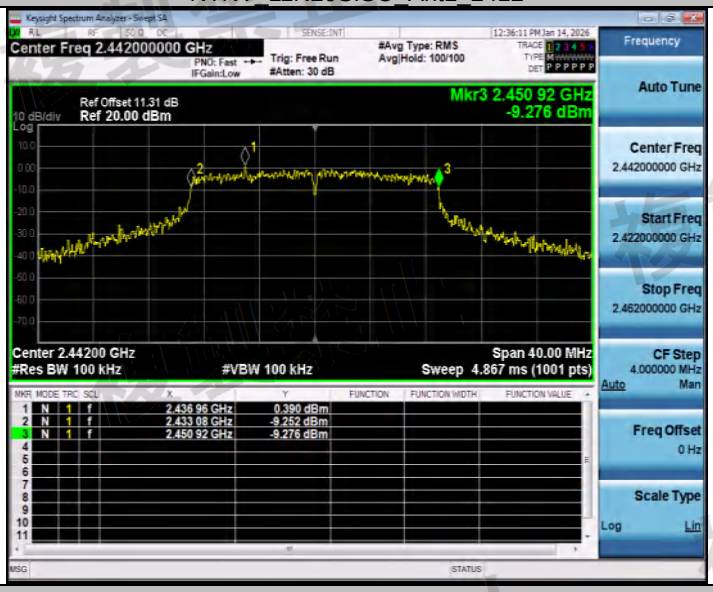

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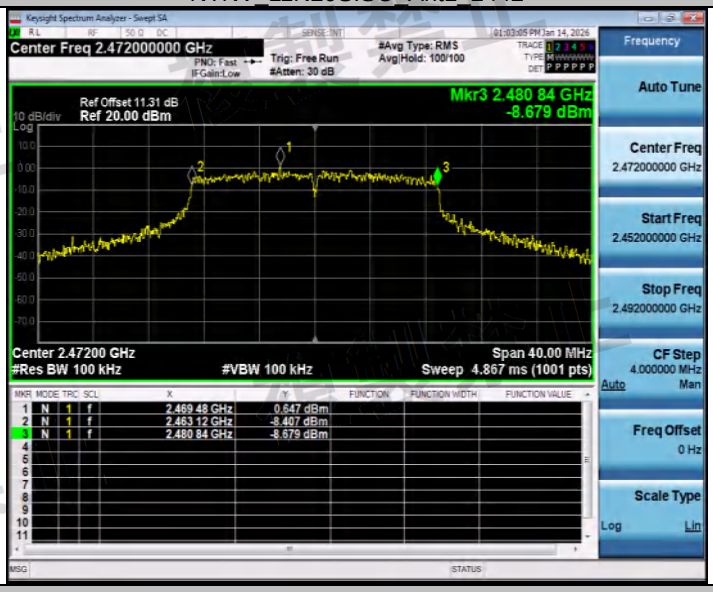

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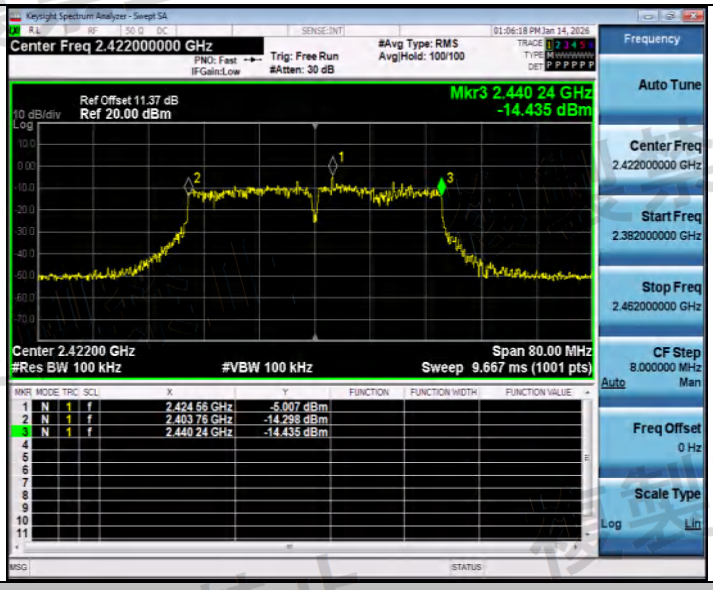
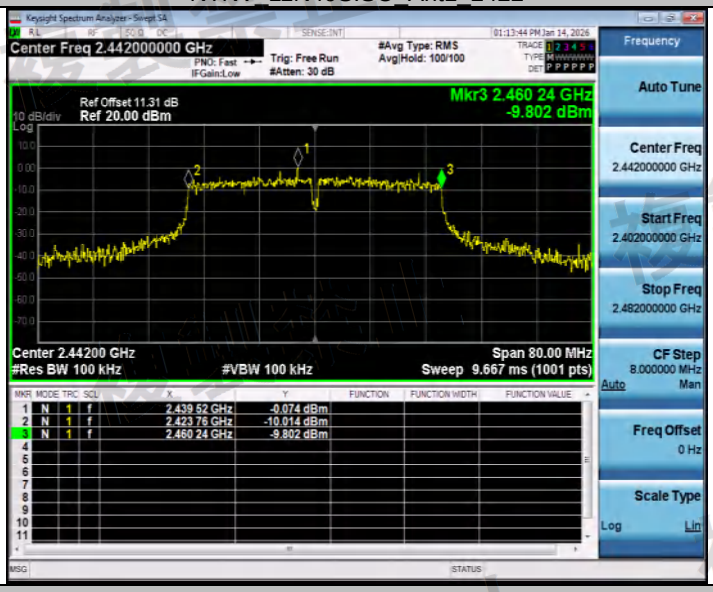


NTNV_11N40SISO_Ant1_2422



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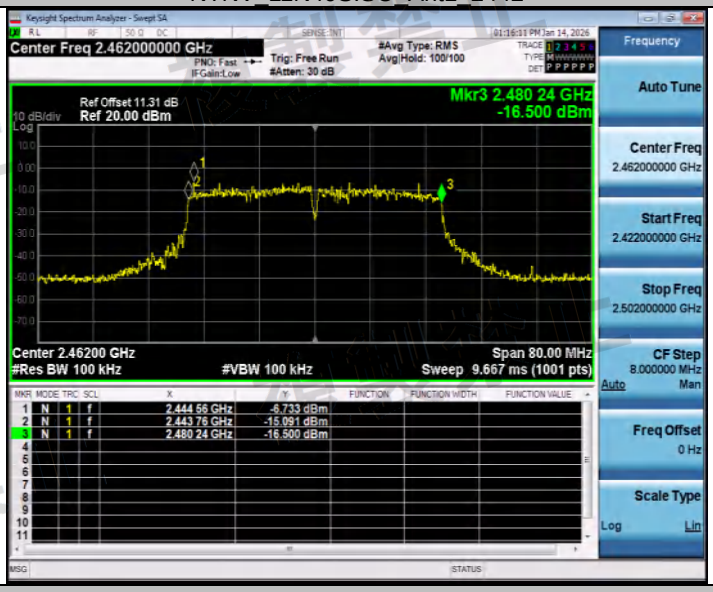

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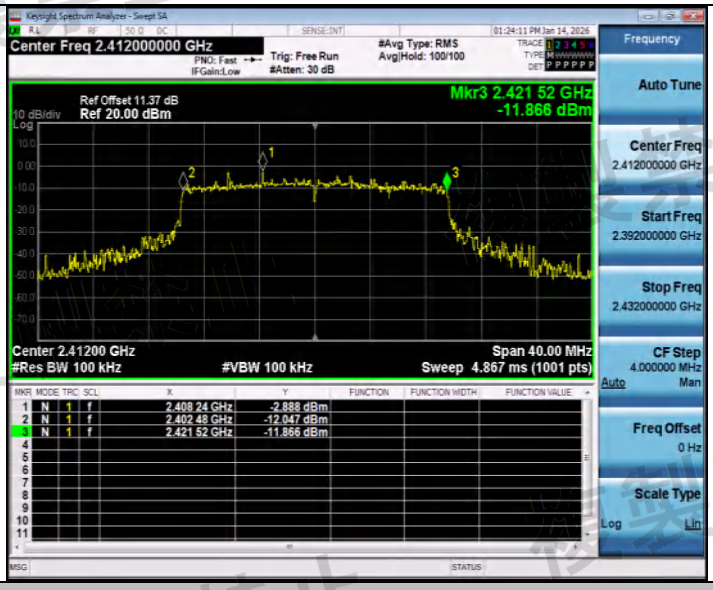

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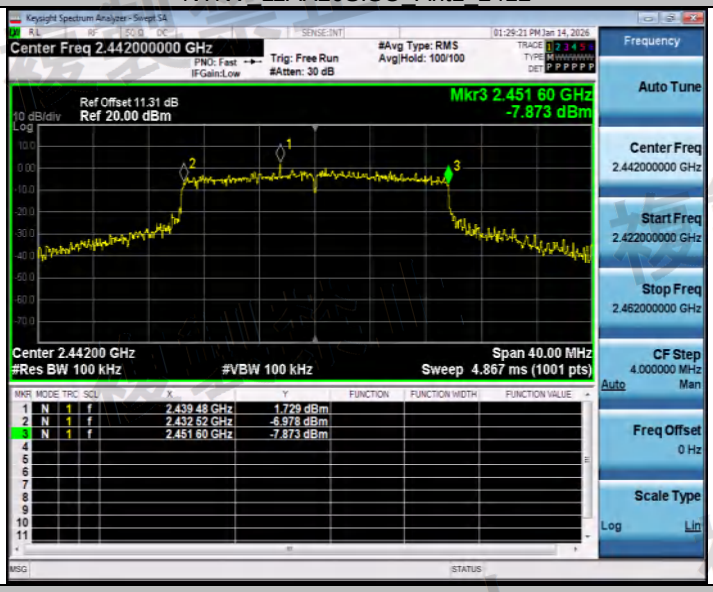

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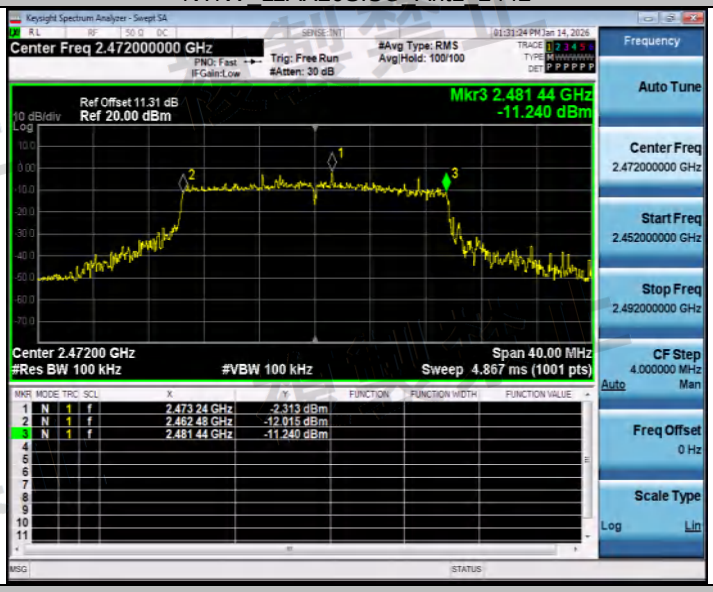

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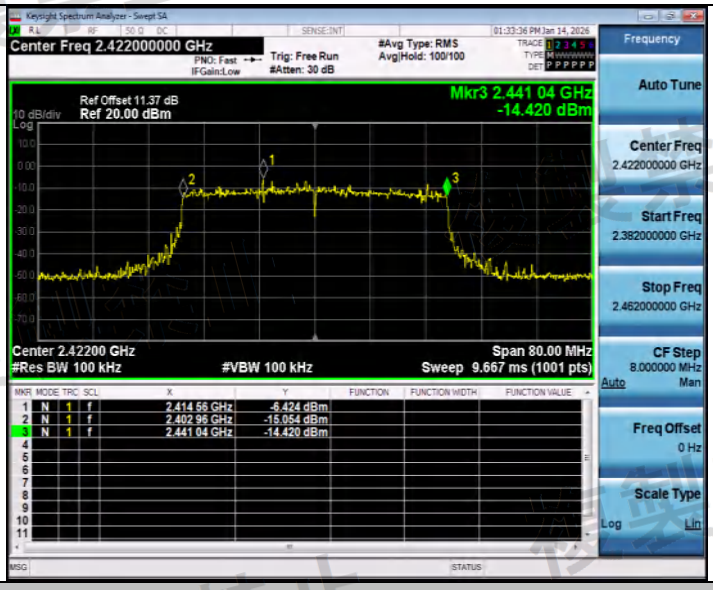

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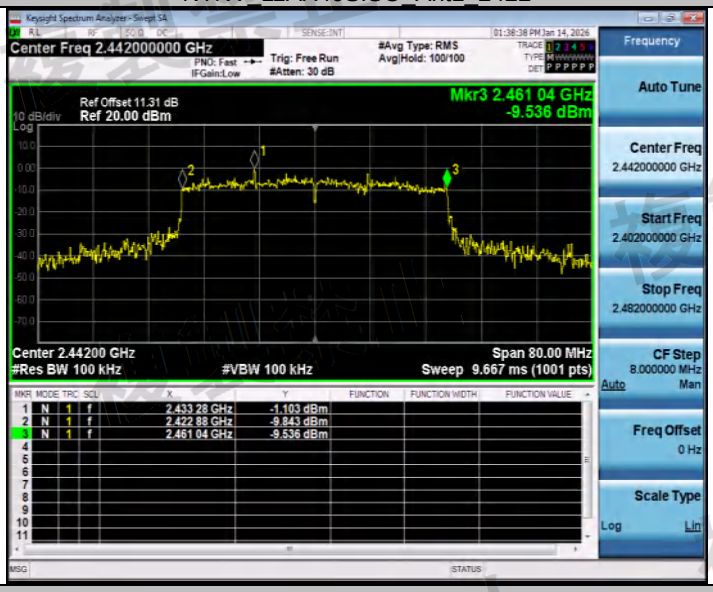

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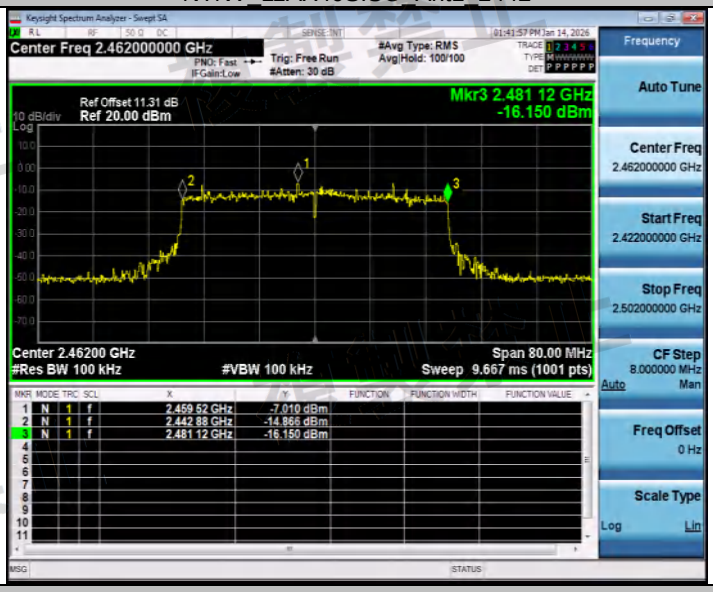


NTNV_11AX40SISO_Ant1_2462

Appendix B: Antenna power, antenna power tolerance and E.I.R.P.

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	6.73	4.7098	≤10	PASS
			2442	5.74	3.7497	≤10	PASS
			2472	9.25	8.4140	≤10	PASS
	11G	Ant1	2412	5.81	3.8107	≤10	PASS
			2442	6.98	4.9888	≤10	PASS
			2472	9.90	9.7724	≤10	PASS
	11N20SISO	Ant1	2412	1.81	1.5171	≤10	PASS
			2442	9.36	8.6298	≤10	PASS
			2472	9.30	8.5114	≤10	PASS
	11N40SISO	Ant1	2422	0.55	1.1350	≤5	PASS
			2442	6.35	4.3152	≤5	PASS
			2462	1.80	1.5136	≤5	PASS
	11AX20SISO	Ant1	2412	6.97	4.9774	≤10	PASS
			2442	9.35	8.6099	≤10	PASS
			2472	9.27	8.4528	≤10	PASS
	11AX40SISO	Ant1	2422	0.12	1.0280	≤5	PASS
			2442	3.29	2.1330	≤5	PASS
			2462	3.70	2.3442	≤5	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq(MHz)	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	4.7098	10	-52.90	+20	PASS
			2442	3.7497	10	-62.50	+20	PASS
			2472	8.4140	10	-15.86	+20	PASS
	11G	Ant1	2412	3.8107	10	-61.89	+20	PASS
			2442	4.9888	10	-50.11	+20	PASS
			2472	9.7724	10	-2.28	+20	PASS
	11N20SISO	Ant1	2412	1.5171	10	-84.83	+20	PASS
			2442	8.6298	10	-13.70	+20	PASS
			2472	8.5114	10	-14.89	+20	PASS
	11N40SISO	Ant1	2422	1.1350	5	-77.30	+20	PASS
			2442	4.3152	5	-13.70	+20	PASS
			2462	1.5136	5	-69.73	+20	PASS
	11AX20SISO	Ant1	2412	4.9774	10	-50.23	+20	PASS
			2442	8.6099	10	-13.90	+20	PASS
			2472	8.4528	10	-15.47	+20	PASS
	11AX40SISO	Ant1	2422	1.0280	5	-79.44	+20	PASS
			2442	2.1330	5	-57.34	+20	PASS
			2462	2.3442	5	-53.12	+20	PASS

Test Result PSD

			EIRP						
Test Condition	Test Mode	Antenna	Freq(MHz)	Result(dBm mW/MHz)	G(dBi)	Y(dB)	EIRP(dBm mW/MHz)	Limit(dBm mW/MHz)	Verdict
NTNV	11B	Ant1	2412	6.73	1.5	0.062	8.292	≤12.14	PASS
			2442	5.74	1.5	0.062	7.302	≤12.14	PASS
			2472	9.25	1.5	0.062	10.812	≤12.14	PASS
	11G	Ant1	2412	5.81	1.5	0.062	7.372	≤12.14	PASS
			2442	6.98	1.5	0.062	8.542	≤12.14	PASS
			2472	9.90	1.5	0.062	11.462	≤12.14	PASS
	11N20SISO	Ant1	2412	1.81	1.5	0.067	3.377	≤12.14	PASS
			2442	9.36	1.5	0.067	10.927	≤12.14	PASS
			2472	9.30	1.5	0.067	10.867	≤12.14	PASS
	11N40SISO	Ant1	2422	0.55	1.5	0.067	2.117	≤9.13	PASS
			2442	6.35	1.5	0.067	7.917	≤9.13	PASS
			2462	1.80	1.5	0.067	3.367	≤9.13	PASS
	11AX20SISO	Ant1	2412	6.97	1.5	0.062	8.532	≤12.14	PASS
			2442	9.35	1.5	0.062	10.912	≤12.14	PASS
			2472	9.27	1.5	0.062	10.832	≤12.14	PASS
	11AX40SISO	Ant1	2422	0.12	1.5	0.062	1.682	≤9.13	PASS
			2442	3.29	1.5	0.062	4.852	≤9.13	PASS
			2462	3.70	1.5	0.062	5.262	≤9.13	PASS

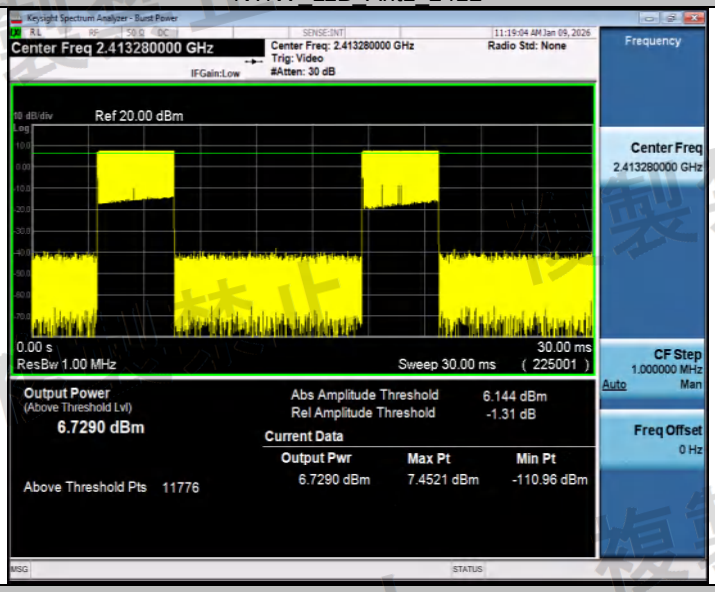
Remark:

1.EIRP=D+G+10 log（1/x）

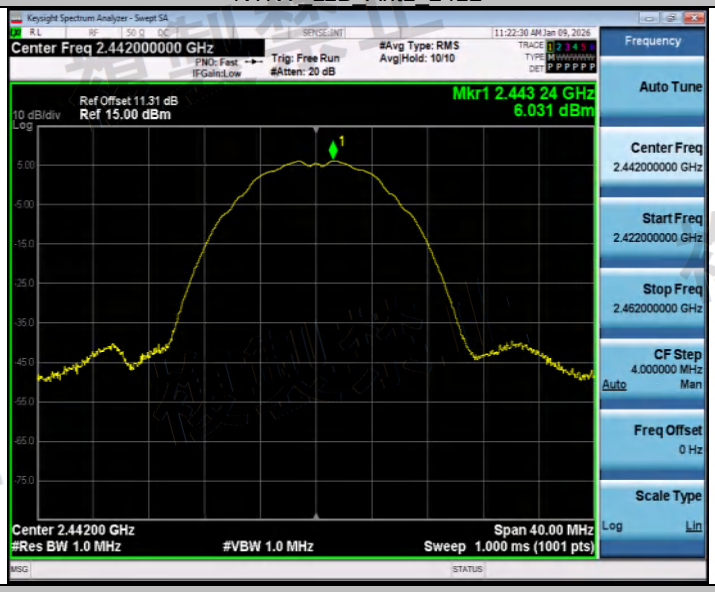
D:antenna power ; G:antenna gain x：duty Cycle Y=10 log（1/x）

2.When EIRP is greater than 12.14dBm, Evaluation is needed for Transmission Antenna Gain (EIRP Antenna Power) Measurement and Transmission Radiation Angle Width (3dB Beamwidth) Measurement

NTNV_11B_Ant1_2412



NTNV_11B_Ant1_2412



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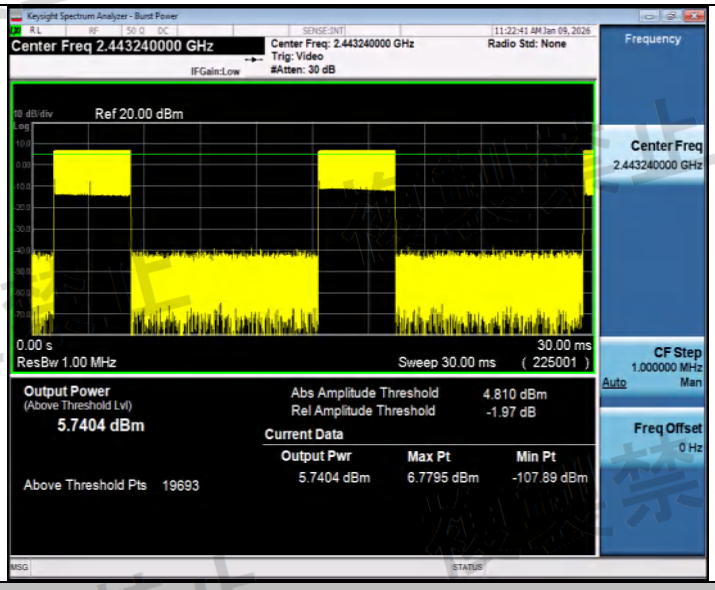

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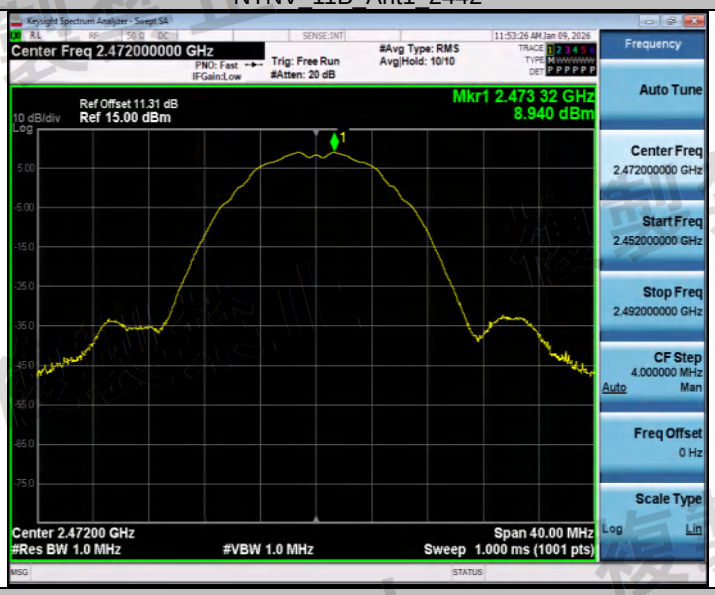

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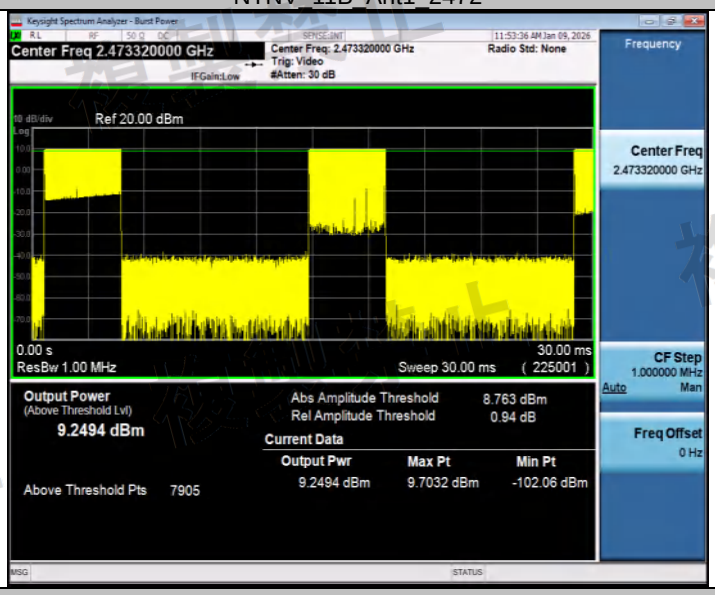

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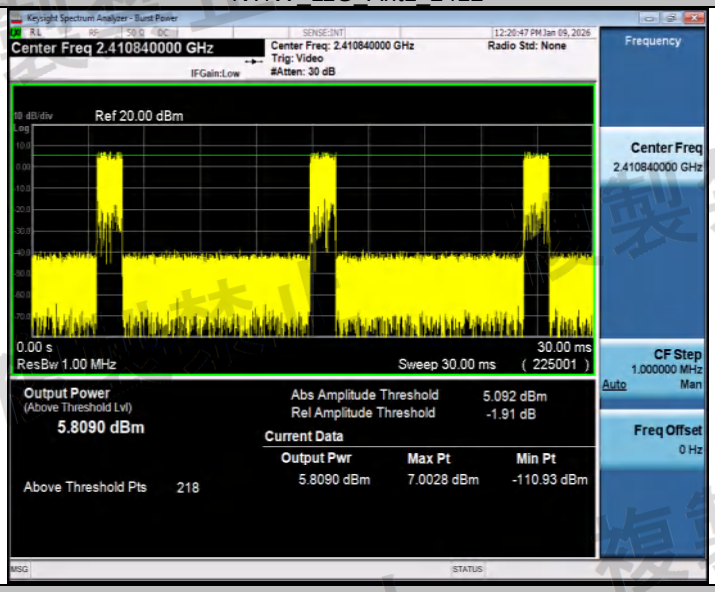

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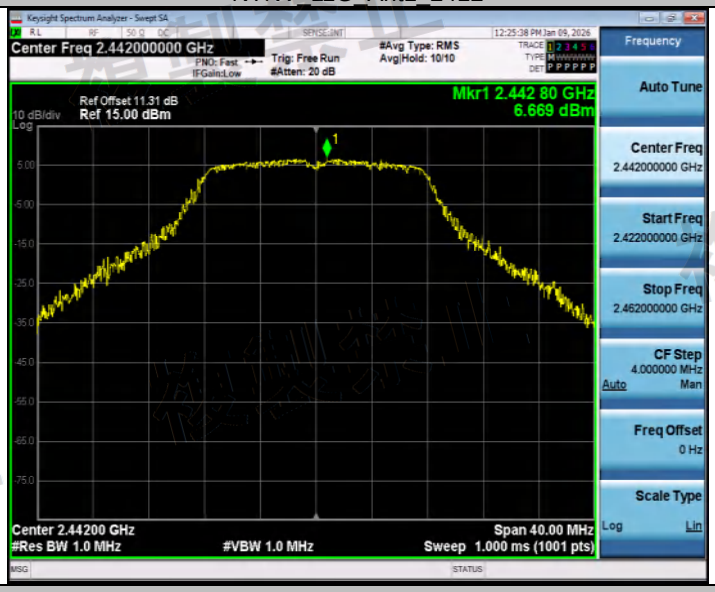

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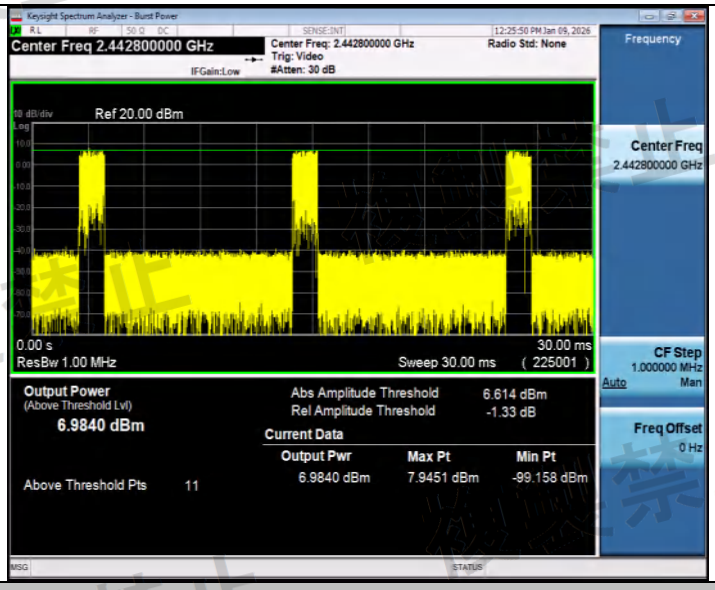

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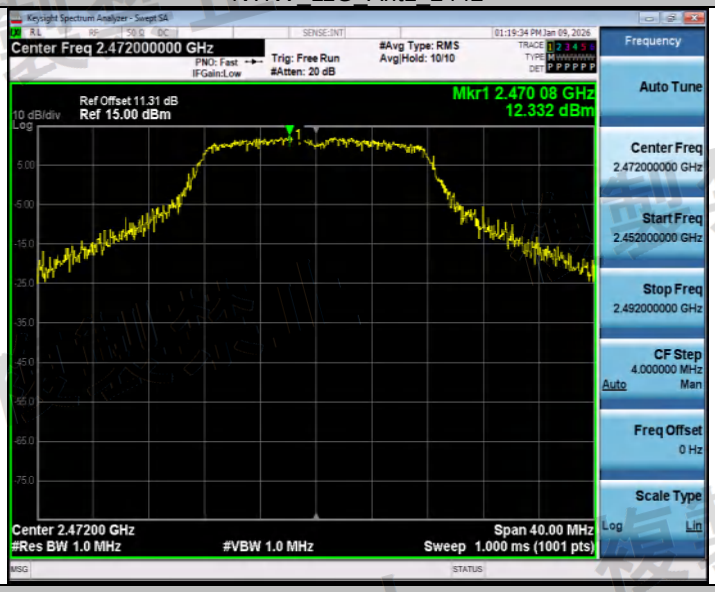

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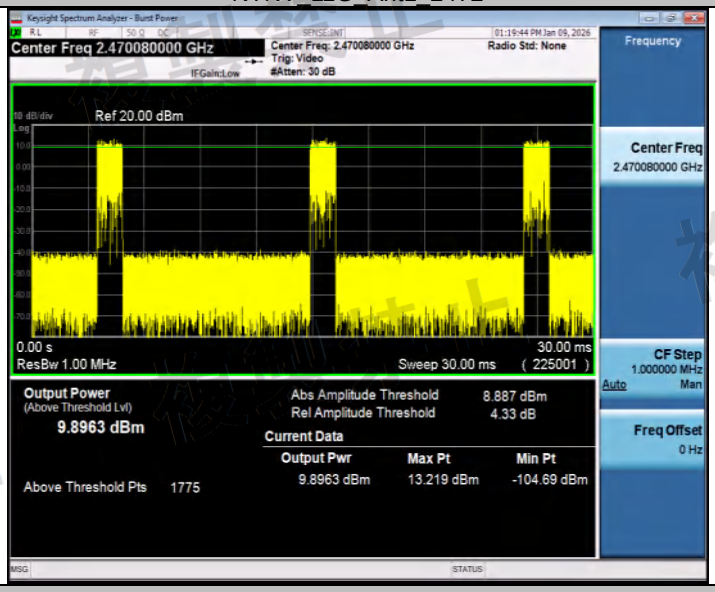

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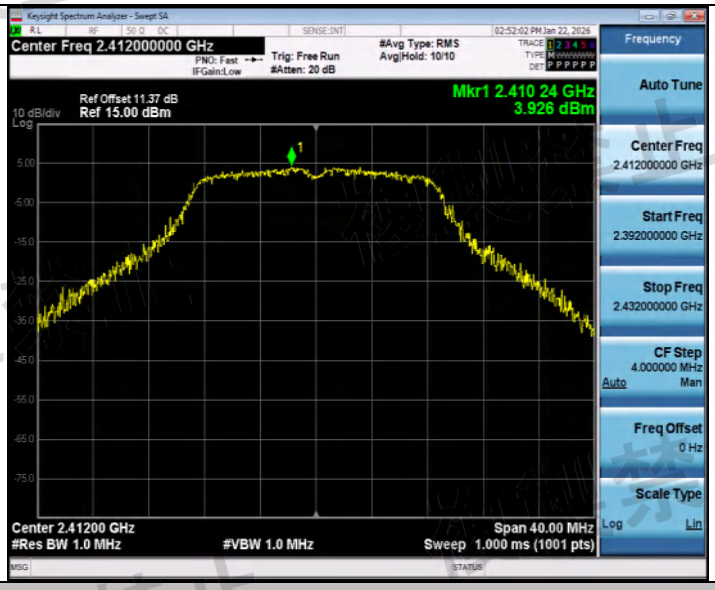

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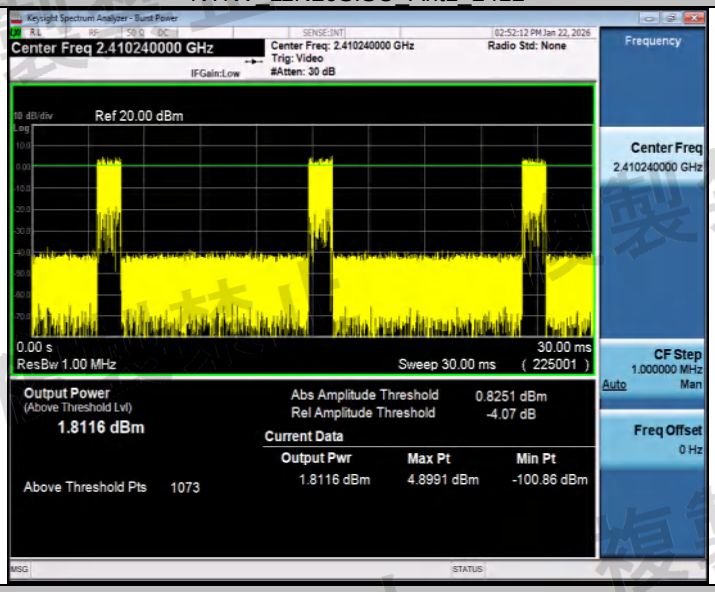

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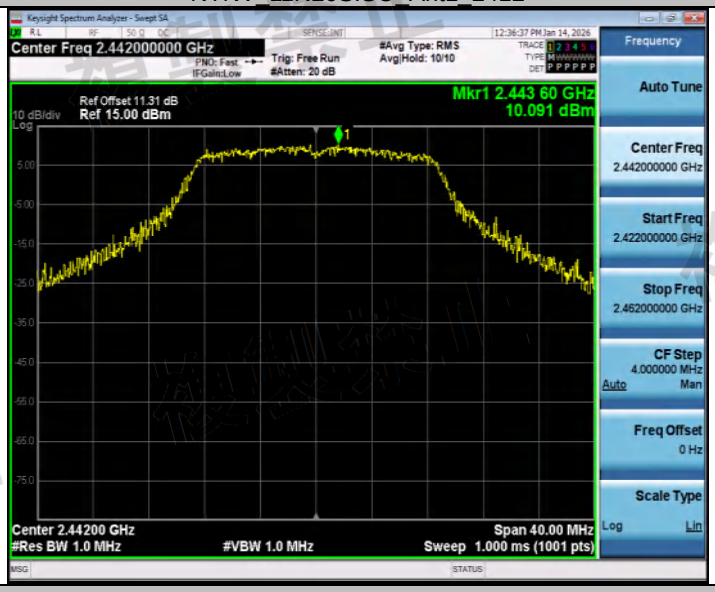

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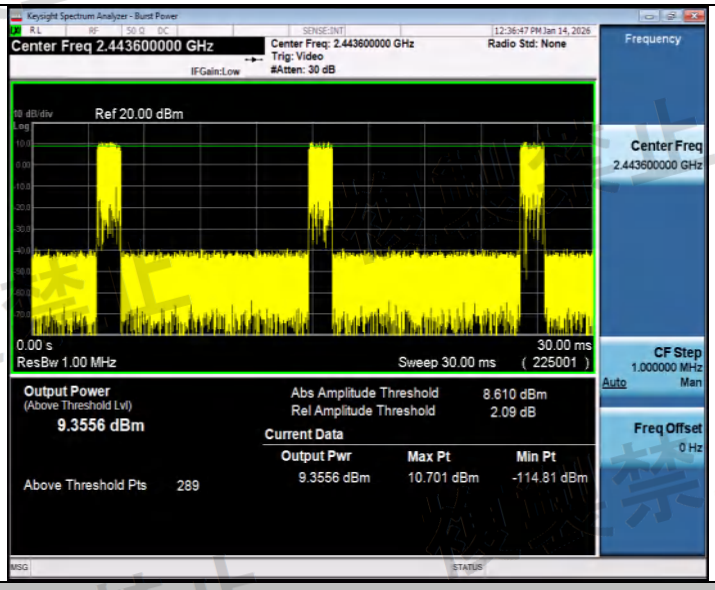

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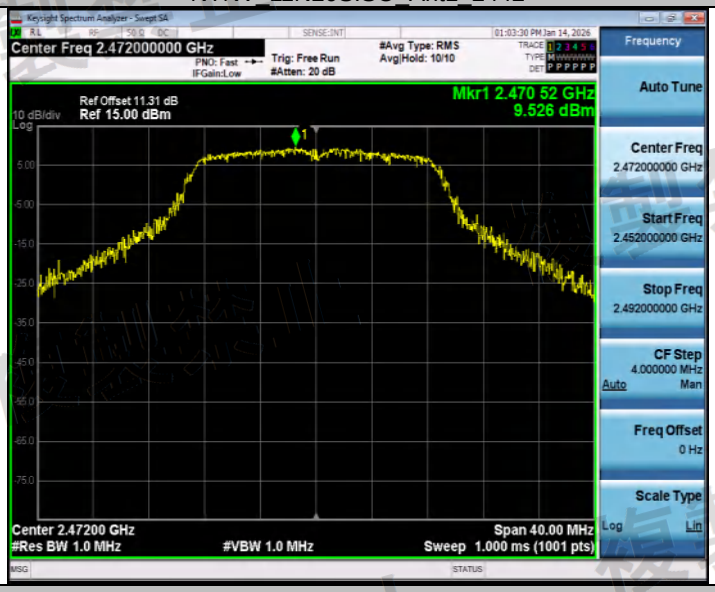

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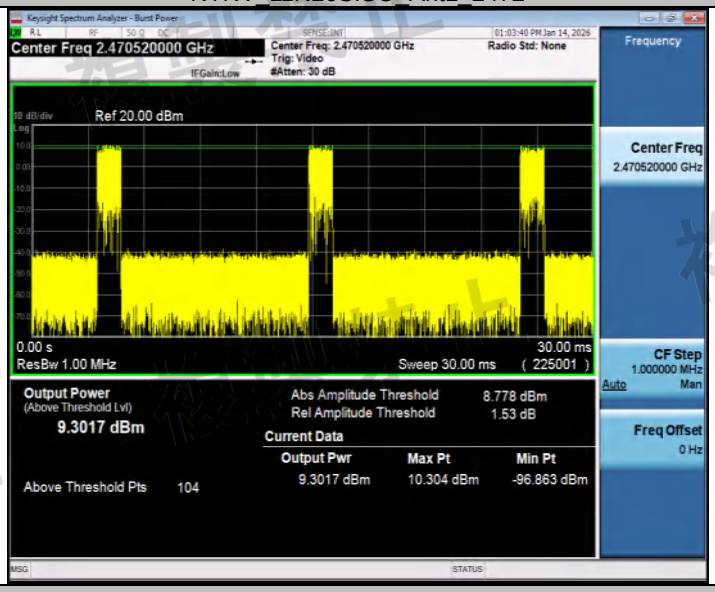

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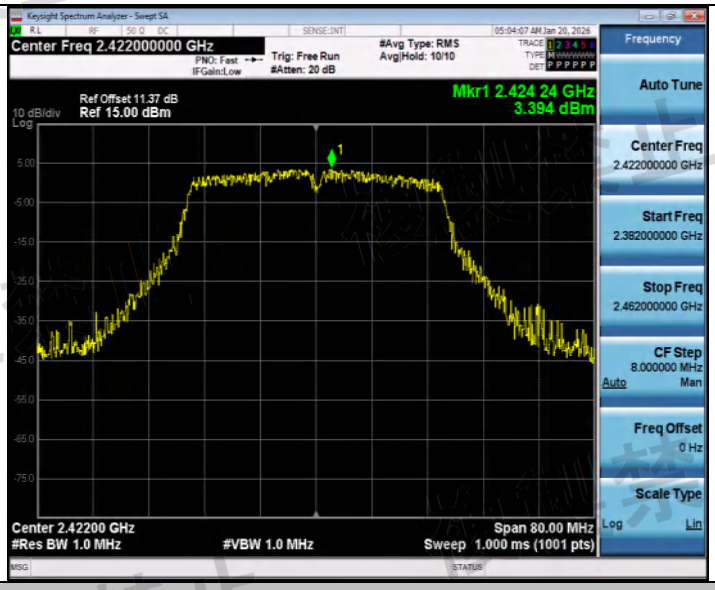

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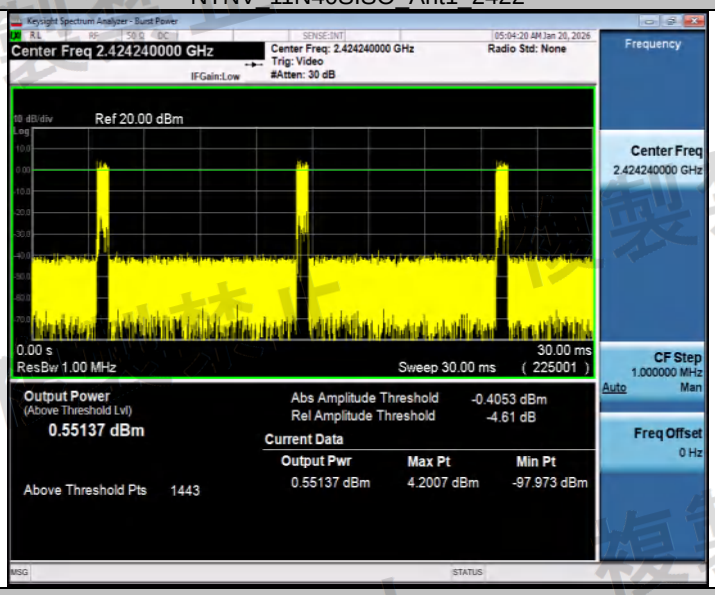

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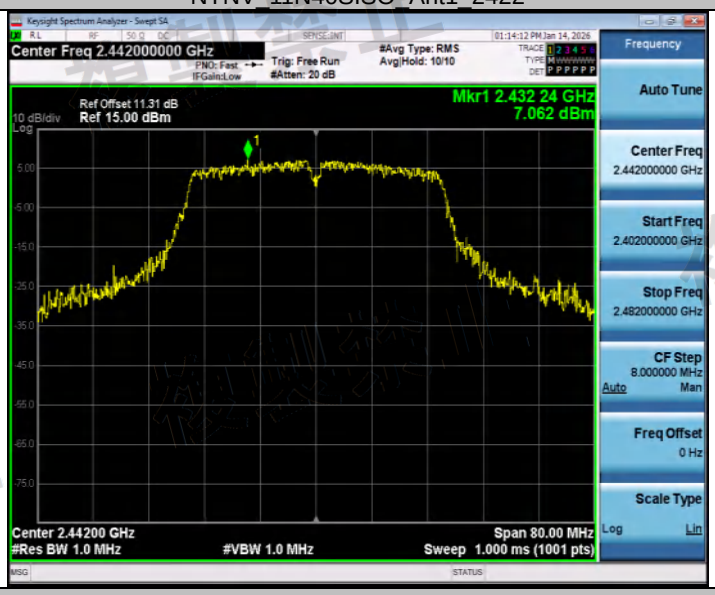

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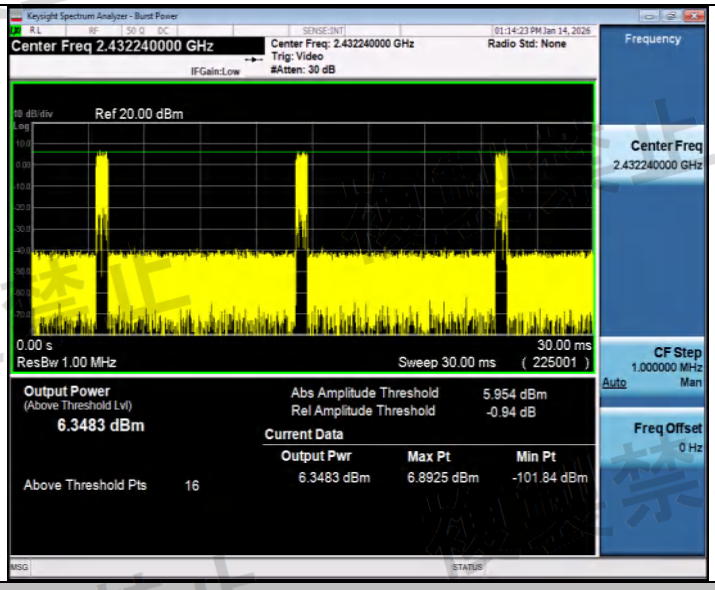

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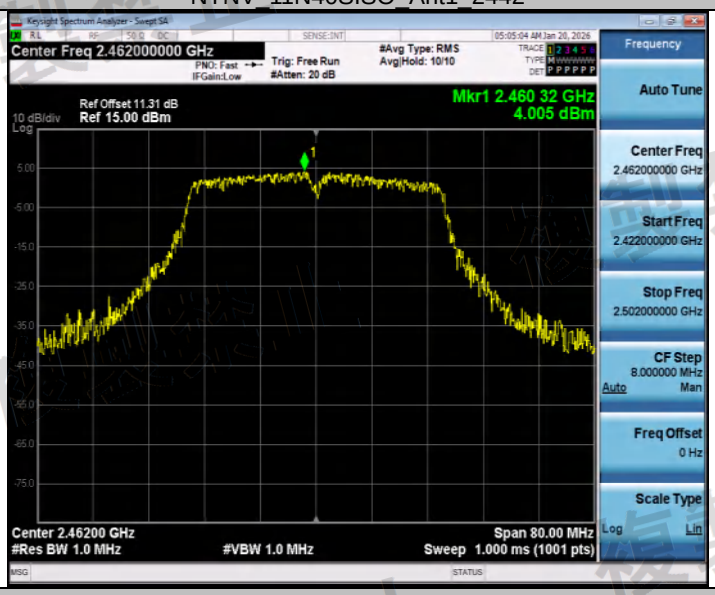

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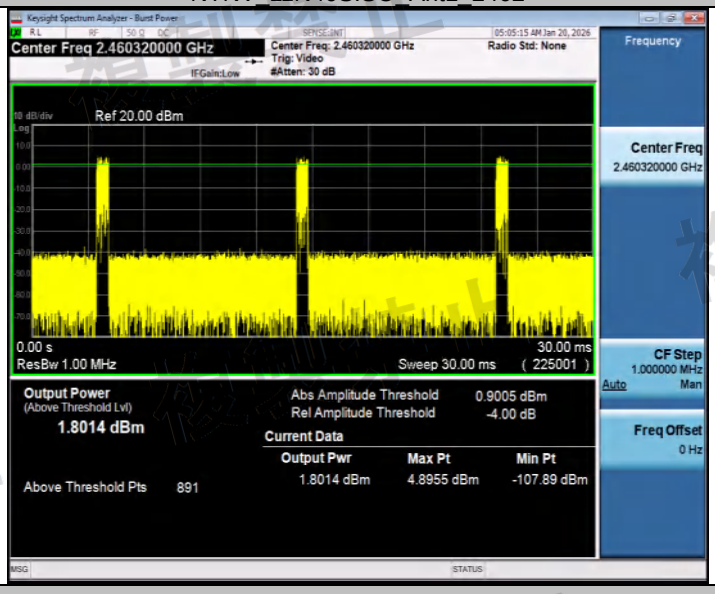

NTNV_11N40SISO_Ant1_2462

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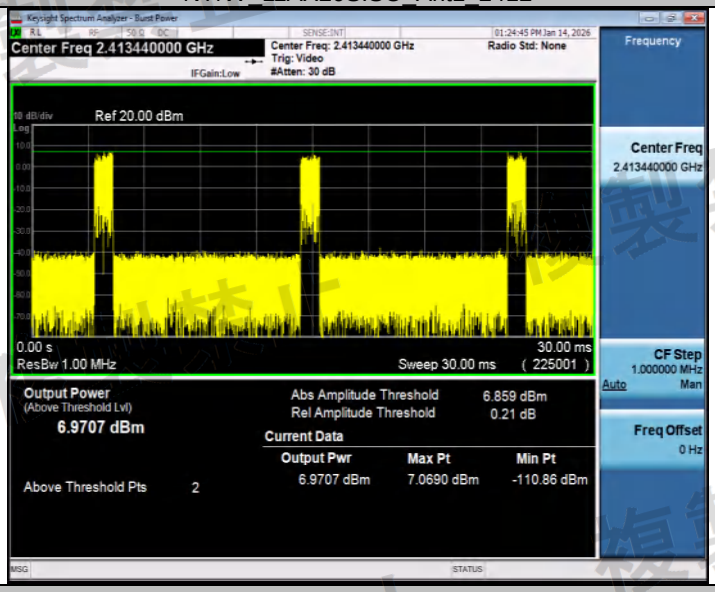

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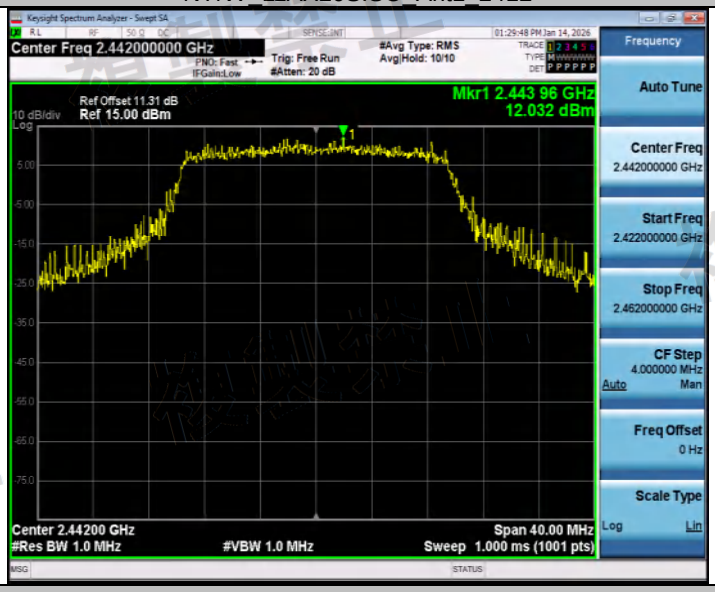

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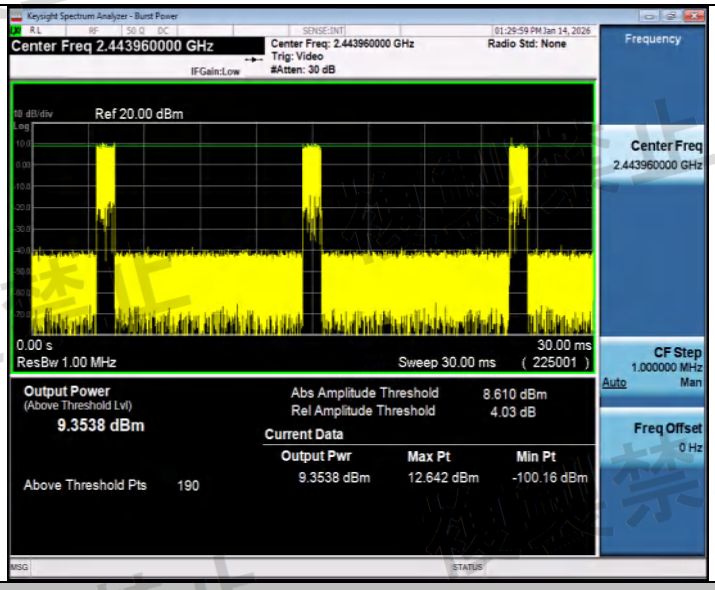

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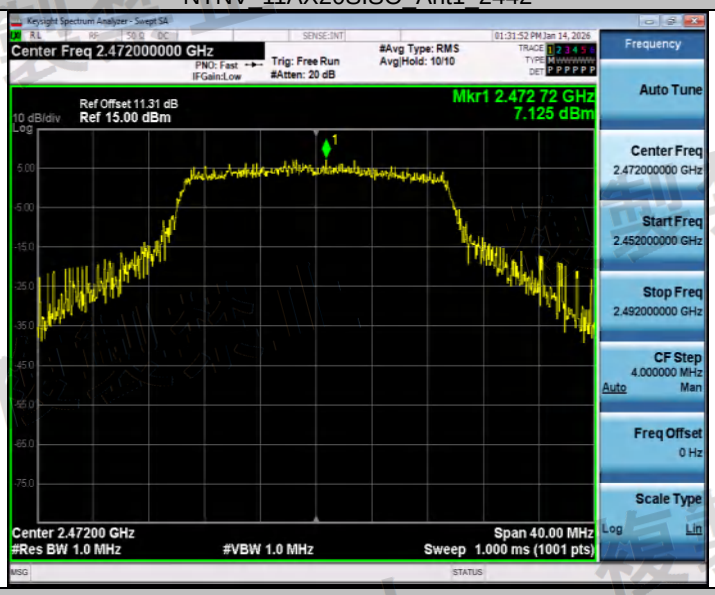

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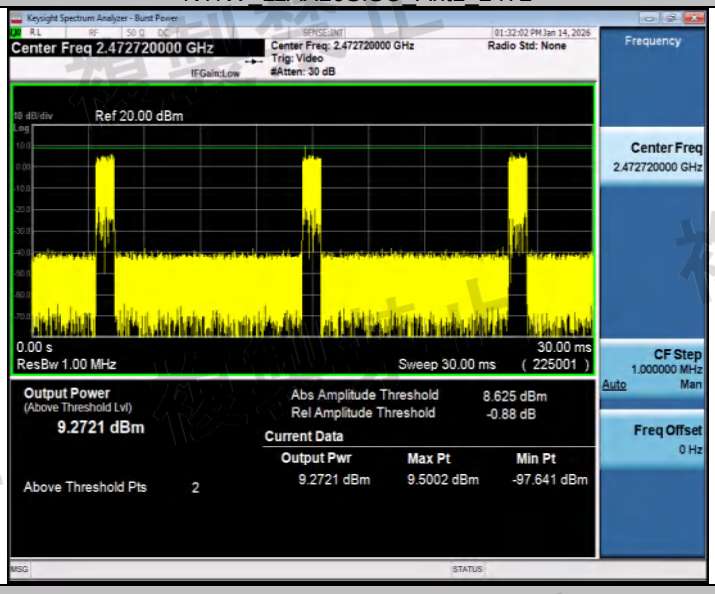
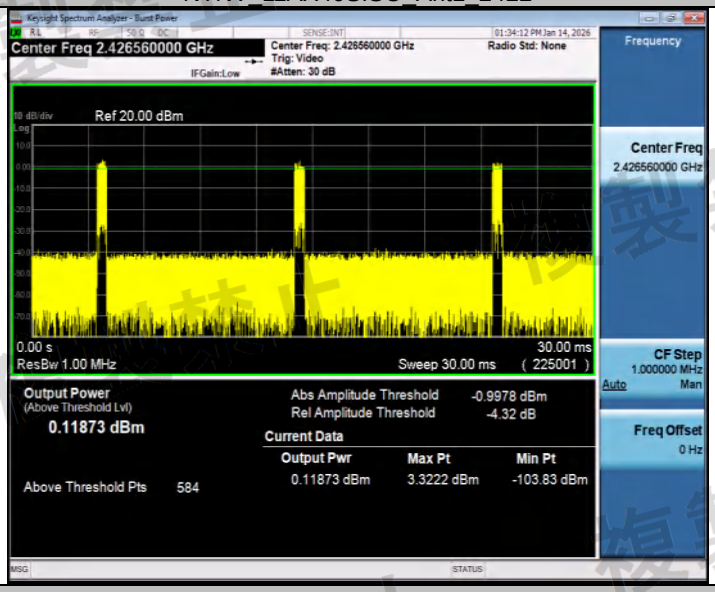


NTNV_11AX20SISO_Ant1_2472

NTNV_11AX40SISO_Ant1_2422



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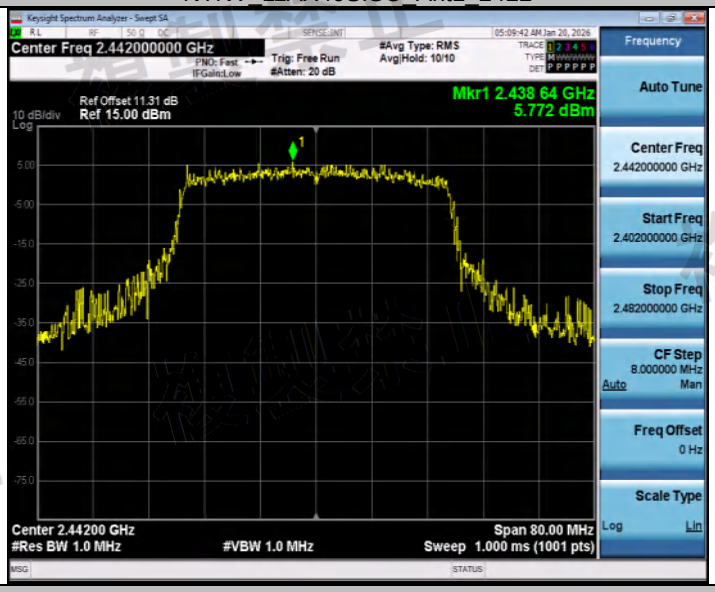

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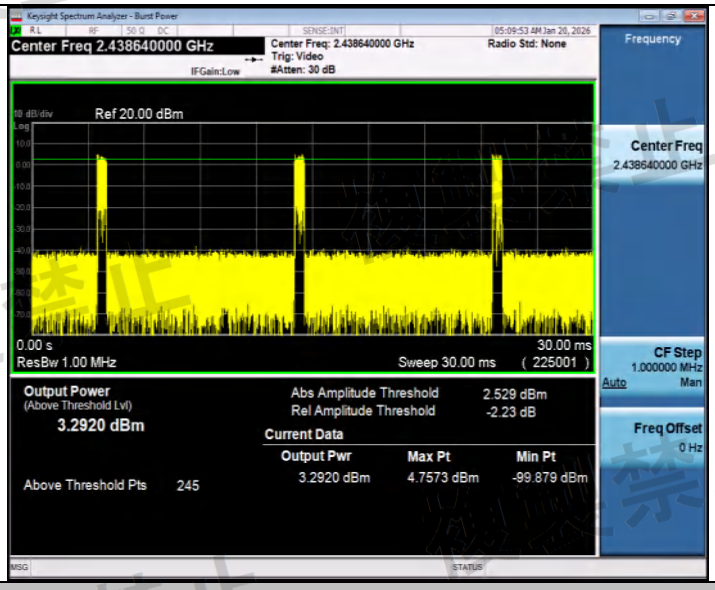
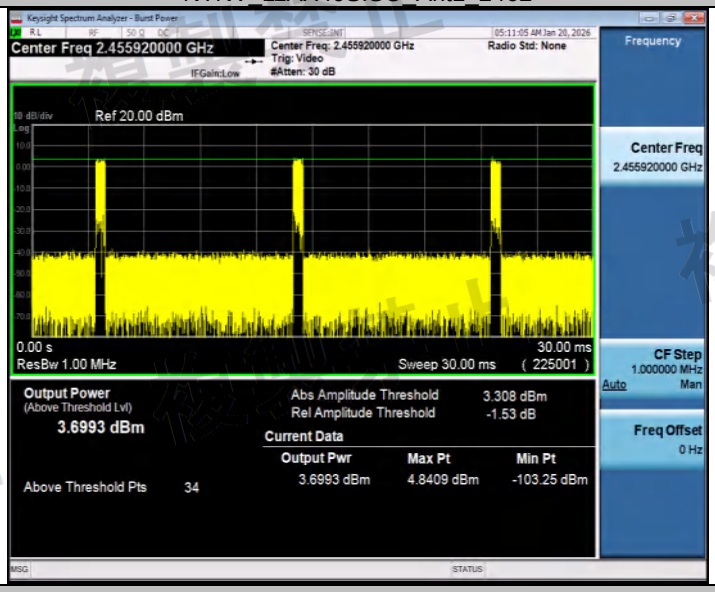


NTNV_11AX40SISO_Ant1_2442

NTNV_11AX40SISO_Ant1_2462



NTNV_11AX40SISO_Ant1_2462

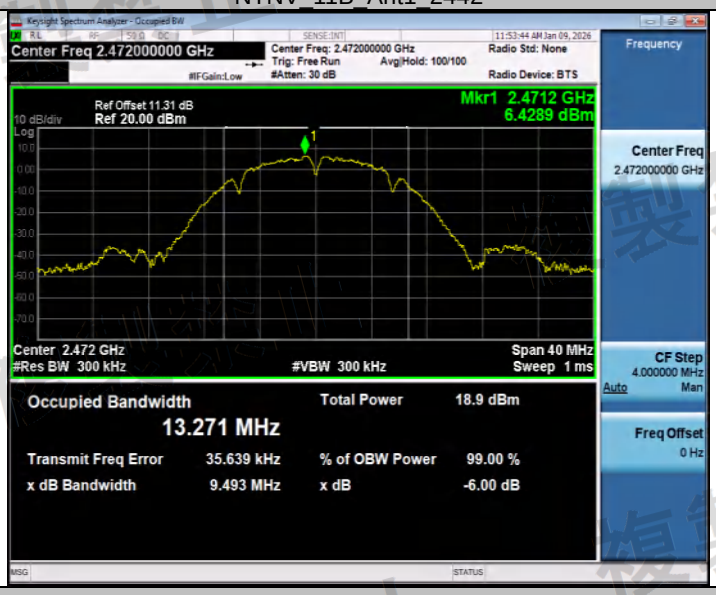
Appendix C: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.115	≤26	PASS
			2442	13.145	≤26	PASS
			2472	13.271	≤26	PASS
	11G	Ant1	2412	16.699	≤26	PASS
			2442	16.707	≤26	PASS
			2472	16.707	≤26	PASS
	11N20SISO	Ant1	2412	17.845	≤26	PASS
			2442	17.945	≤26	PASS
			2472	17.989	≤26	PASS
	11N40SISO	Ant1	2422	36.225	26-40	PASS
			2442	36.162	26-40	PASS
			2462	36.207	26-40	PASS
	11AX20SISO	Ant1	2412	18.969	≤26	PASS
			2442	18.969	≤26	PASS
			2472	18.996	≤26	PASS
	11AX40SISO	Ant1	2422	37.679	26-40	PASS
			2442	37.739	26-40	PASS
			2462	37.612	26-40	PASS

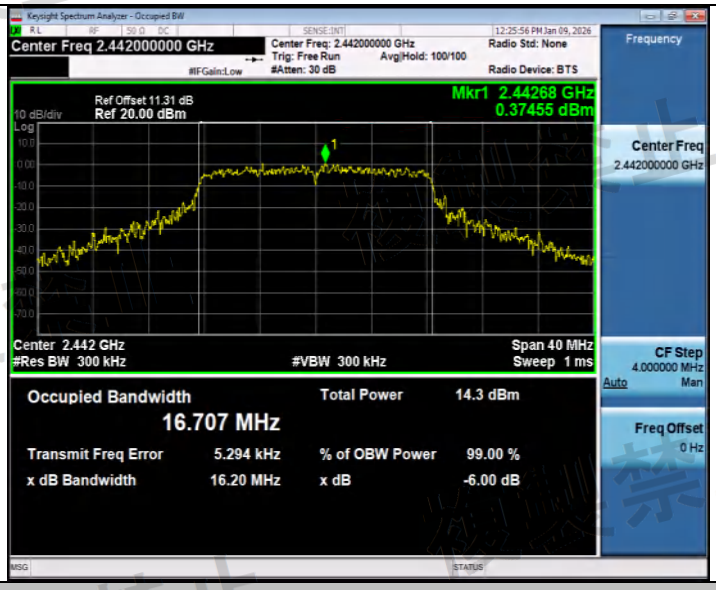
NTNV_11B_Ant1_2412

NTNV_11B_Ant1_2442



NTNV_11B_Ant1_2472

NTNV_11G_Ant1_2412



NTNV_11G_Ant1_2442

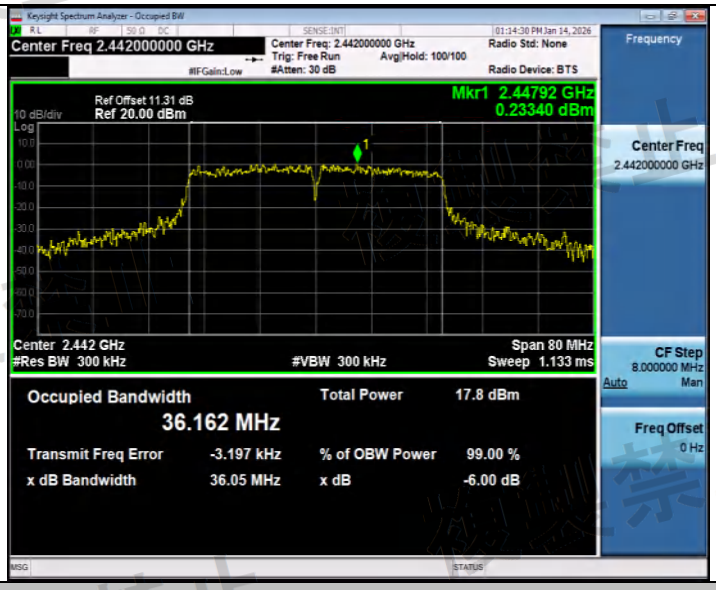
NTNV_11G_Ant1_2472

NTNV_11N20SISO_Ant1_2412

NTNV_11N20SISO_Ant1_2442

NTNV_11N20SISO_Ant1_2472

NTNV_11N40SISO_Ant1_2422



NTNV_11N40SISO_Ant1_2442

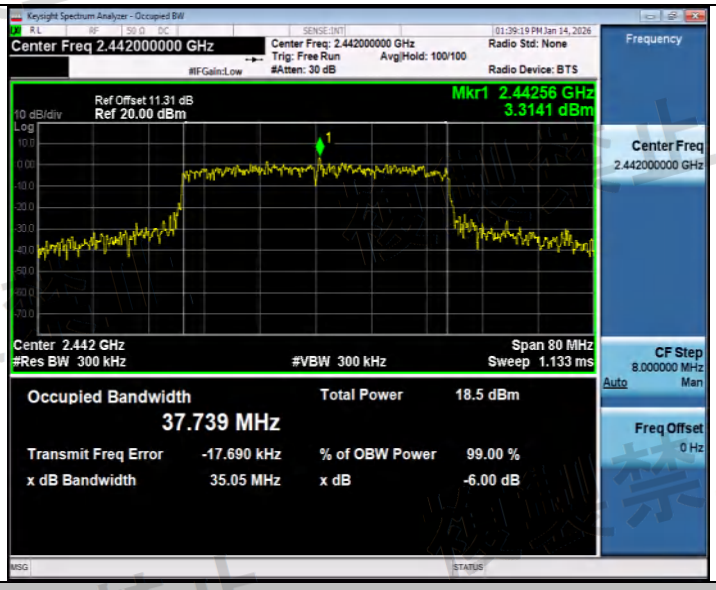
NTNV_11N40SISO_Ant1_2462

NTNV_11AX20SISO_Ant1_2412

NTNV_11AX20SISO_Ant1_2442

NTNV_11AX20SISO_Ant1_2472

NTNV_11AX40SISO_Ant1_2422



NTNV_11AX40SISO_Ant1_2442

NTNV_11AX40SISO_Ant1_2462

Appendix D: Transmitter Spurious Emissions

Test Result:

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11B	Ant1	2412	30~2387	-44.70	≤-26	0.03388	≤2.5	PASS
				2387~2400	-35.91	≤-16	0.25645	≤25	PASS
				2483.5~2496.5	-37.78	≤-16	0.16672	≤25	PASS
				2496.5~13000	-43.44	≤-26	0.04529	≤2.5	PASS
			2442	30~2387	-45.99	≤-26	0.02518	≤2.5	PASS
				2387~2400	-38.59	≤-16	0.13836	≤25	PASS
				2483.5~2496.5	-38.25	≤-16	0.14962	≤25	PASS
				2496.5~13000	-37.56	≤-26	0.17539	≤2.5	PASS
			2472	30~2387	-46.49	≤-26	0.02244	≤2.5	PASS
				2387~2400	-39.21	≤-16	0.11995	≤25	PASS
				2483.5~2496.5	-31.09	≤-16	0.77804	≤25	PASS
				2496.5~13000	-41.69	≤-26	0.06776	≤2.5	PASS
	11G	Ant1	2412	30~2387	-47.11	≤-26	0.01945	≤2.5	PASS
				2387~2400	-18.53	≤-16	14.02814	≤25	See table below
				2483.5~2496.5	-38.79	≤-16	0.13213	≤25	PASS
				2496.5~13000	-42.60	≤-26	0.05495	≤2.5	PASS
			2442	30~2387	-45.48	≤-26	0.02831	≤2.5	PASS
				2387~2400	-39.41	≤-16	0.11455	≤25	PASS
				2483.5~2496.5	-38.50	≤-16	0.14125	≤25	PASS
				2496.5~13000	-42.51	≤-26	0.05610	≤2.5	PASS
			2472	30~2387	-46.05	≤-26	0.02483	≤2.5	PASS
				2387~2400	-38.36	≤-16	0.14588	≤25	PASS
				2483.5~2496.5	-20.80	≤-16	8.31764	≤25	PASS
				2496.5~13000	-42.82	≤-26	0.05224	≤2.5	PASS
	11N20SISO	Ant1	2412	30~2387	-46.49	≤-26	0.02244	≤2.5	PASS
				2387~2400	-18.64	≤-16	13.67729	≤25	See table below
				2483.5~2496.5	-38.17	≤-16	0.15241	≤25	PASS
				2496.5~13000	-43.21	≤-26	0.04775	≤2.5	PASS
			2442	30~2387	-41.16	≤-26	0.07656	≤2.5	PASS
				2387~2400	-39.08	≤-16	0.12359	≤25	PASS
				2483.5~2496.5	-37.53	≤-16	0.17660	≤25	PASS
				2496.5~13000	-42.70	≤-26	0.05370	≤2.5	PASS
			2472	30~2387	-46.50	≤-26	0.02239	≤2.5	PASS
				2387~2400	-37.91	≤-16	0.16181	≤25	PASS
				2483.5~2496.5	-16.68	≤-16	21.47830	≤25	See table below
				2496.5~13000	-43.42	≤-26	0.04550	≤2.5	PASS
	11N40SISO	Ant1	2422	30~2387	-45.70	≤-26	0.02692	≤2.5	PASS
				2387~2400	-22.04	≤-16	6.25173	≤25	PASS
				2483.5~2496.5	-37.21	≤-16	0.19011	≤25	PASS
				2496.5~13000	-42.58	≤-26	0.05521	≤2.5	PASS
			2442	30~2387	-42.81	≤-26	0.05236	≤2.5	PASS

				2387~2400	-36.91	≤-16	0.20370	≤25	PASS
				2483.5~2496.5	-33.30	≤-16	0.46774	≤25	PASS
				2496.5~13000	-42.08	≤-26	0.06194	≤2.5	PASS
			2462	30~2387	-46.22	≤-26	0.02388	≤2.5	PASS
				2387~2400	-38.75	≤-16	0.13335	≤25	PASS
				2483.5~2496.5	-22.50	≤-16	5.62341	≤25	PASS
				2496.5~13000	-40.98	≤-26	0.07980	≤2.5	PASS
	11AX20S ISO	Ant1	2412	30~2387	-46.58	≤-26	0.02198	≤2.5	PASS
				2387~2400	-21.21	≤-16	7.56833	≤25	PASS
				2483.5~2496.5	-37.65	≤-16	0.17179	≤25	PASS
				2496.5~13000	-43.34	≤-26	0.04634	≤2.5	PASS
			2442	30~2387	-41.35	≤-26	0.07328	≤2.5	PASS
				2387~2400	-38.56	≤-16	0.13932	≤25	PASS
				2483.5~2496.5	-38.05	≤-16	0.15668	≤25	PASS
				2496.5~13000	-42.09	≤-26	0.06180	≤2.5	PASS
			2472	30~2387	-46.31	≤-26	0.02339	≤2.5	PASS
				2387~2400	-38.57	≤-16	0.13900	≤25	PASS
				2483.5~2496.5	-16.35	≤-16	23.17395	≤25	See table below
				2496.5~13000	-42.71	≤-26	0.05358	≤2.5	PASS
	11AX40S ISO	Ant1	2422	30~2387	-43.05	≤-26	0.04955	≤2.5	PASS
				2387~2400	-22.45	≤-16	5.68853	≤25	PASS
				2483.5~2496.5	-38.18	≤-16	0.15205	≤25	PASS
				2496.5~13000	-42.79	≤-26	0.05260	≤2.5	PASS
			2442	30~2387	-39.97	≤-26	0.10069	≤2.5	PASS
				2387~2400	-34.30	≤-16	0.37154	≤25	PASS
				2483.5~2496.5	-33.11	≤-16	0.48865	≤25	PASS
				2496.5~13000	-43.26	≤-26	0.04721	≤2.5	PASS
			2462	30~2387	-46.25	≤-26	0.02371	≤2.5	PASS
				2387~2400	-38.56	≤-16	0.13932	≤25	PASS
				2483.5~2496.5	-21.37	≤-16	7.29458	≤25	PASS
				2496.5~13000	-42.79	≤-26	0.05260	≤2.5	PASS

Test Result_Step2

TestCondition	TestMode	PreScan In Ant	Channel	Ant	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11G	Ant1	2412	Ant1	2399.41	-35.00	≤-16	0.31623	≤25	PASS
	11N20SISO	Ant1	2412	Ant1	2399.63	-31.94	≤-16	0.63973	≤25	PASS
			2472	Ant1	2483.72	-31.17	≤-16	0.76384	≤25	PASS
	11AX20SISO	Ant1	2472	Ant1	2484.28	-33.82	≤-16	0.41495	≤25	PASS