

TEST REPORT

Application No.: SUCR2603000235MO
Applicant: Quectel Wireless Solutions Co., Ltd.
Address of Applicant: Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Manufacturer: Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer: Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
EUT Description: Wi-Fi & Bluetooth Module
Model No.: FCM266D
Trade Mark: QUECTEL
Standards: MIC Item 19 of Article 2 Paragraph 1
Test Method: MIC Notice No.88 Appendix No.43
Date of Receipt: 2026-03-20
Date of Test: 2026-06-02 to 2026-06-11
Date of Issue: 2026-07-14

Test Result:	PASS *
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*In the configuration tested, the EUT complied with the standards specified above.

This report supersedes our previous report SUCR260300023502 issued on 2026-7-14, which is hereby deemed null void.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-06-12	/
01	Modify software and hardware version information.	2026-07-14	Amendment

Authorized for issue by:			
Prepared By	<i>Nature Shen</i>		
	Nature_Shen/Project Engineer		
Approved By	<i>Cedar cheng</i>		
	Cedar Cheng /Reviewer		

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1 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	MIC Item 19 of Article 2 Paragraph 1	N/A	MIC Item 19 of Article 2 Paragraph 1	Pass
Interference prevention capability		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
RF accessibility		N/A	MIC Item 19 of Article 2 Paragraph 1	Pass
Carrier sensing Capability		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Frequency Error	MIC Item 19 of Article 2 Paragraph 1	MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Occupied Bandwidth(99%)		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Antenna Power		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Spurious emission Intensity		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Limit of secondary radiated emissions		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass

2 General Information

2.1 Client Information

Applicant:	Quectel Wireless Solutions Co., Ltd.
Address of Applicant:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233
Manufacturer:	Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233

2.2 Details of E.U.T.

EUT Description:	Wi-Fi & Bluetooth Module	
Model Name:	FCM266D	
Trade Mark:	QUECTEL	
Hardware Version:	R1.0	
Software Version:	FCM266DAAR01A01M04	
SN:	D1N26AT12000049	
Operating Frequency:	802.11b/g/n(HT20)/ax(HE20):	2412MHz to 2472MHz
	802.11n(HT40)/ax(HE40):	2422MHz to 2462MHz
Type of Modulation:	802.11b:	DSSS (BPSK, QPSK, CCK)
	802.11g/n:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11ax:	OFDM/OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Number of Channels:	802.11b/g/n(HT20)/ax(HE20): 13 802.11n(HT40)/ax(HE40): 9	
Smart System:	☒ SISO	802.11b/g/n/ax: 2Tx & 2Rx
Channel Separation:	5 MHz	
Antenna Type:	PCB Antenna	
Antenna Gain*:	☒ Provided by client	
	2.1dBi	
RF Cable*:	2000MHz ~ 3000MHz (1.1dB)	

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

Remark:

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

2.3 Description of Support Units

The EUT has been tested independently.

2.4 Deviation from Standards

None.

2.5 Abnormalities from Standard Conditions

None.

2.6 Other Information Requested by the Customer

None.

2.7 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Levi Li

3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 9.84\text{Hz}$
2	Occupied Bandwidth	$\pm 0.2\%$
3	RF conducted power	$\pm 0.42\text{dB}$
4	Conducted Spurious emissions	$\pm 0.42\text{dB}$

Remark:

The Ulab (lab Uncertainty) is less than Ucispr/ETSI (CISPR/ETSI Uncertainty), so the test results
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

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

4 Equipment Used during Test

Item	Equipment	Manufacturer	Model	Serial NO	Inventory No	Cal Date	Cal. Due Date	Cal body	Certifier
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	101881	SUWI-01-02-04	2026/1/14	2027/1/13	LISAI	(c)
2	Signal Analyzer	KEYSIGHT	N9020A	MY51240034	SUWI-01-02-15	2026/1/14	2027/1/13	LISAI	(c)
3	MXG Vector signal genitor	KEYSIGHT	N5182B	MY58108831	SUWI-01-38-01	2026/1/14	2027/1/13	CETC	(c)
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	110074	SUWI-01-07-08	2026/1/14	2027/1/13	SGS	(c)
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	182393	SUWI-01-08-01	2026/1/14	2027/1/13	SGS	(c)
6	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	171428	SUWI-01-16-13	2026/4/22	2027/4/21	SGS	(c)
7	Wideband Radio Communication Test Station	Anritsu	MT8000A	6272368744	SUWI-01-34-02	2025/11/21	2026/11/20	LISAI	(c)
8	Wideband Radio Communication Tester	Anritsu	MT8821C	62062257918	SUWI-01-26-03	2025/11/21	2026/11/20	SGS	(c)
9	Power meter	Anritsu	ML2495A	2136003	SUWI-01-31-01	2025/11/21	2026/11/20	LISAI	(c)
10	Pulse power sensor	Anritsu	MA2411B	1911376	SUWI-01-32-01	2025/11/21	2026/11/20	LISAI	(c)
11	DC Power Supply	HYELEC	HY3005B	595472	SUWI-01-18-01	2026/1/14	2027/1/13	SGS	(c)
12	Temperature and humidity meter	MingGao	TH101B	NA	SUWI-01-01-07	2026/2/11	2027/2/10	SGS	(c)
13	Temperature Chamber	GIANT FORCE	ICT-017-40-SP-SD	IAF2304-002	SUWI-01-13-02	2026/5/7	2027/5/6	SGS	(c)
14	Measurement Software	TST	TST 272 V2.02	CN15051F40218	SUWI-03-55-03	NCR	NCR	/	/
15	RF Control unit	TST	TSCB3023R2	NA	SUWI-02-20-01	NCR	NCR	/	/
16	RFCables	Tonscend	NA	NA	SUWI-01-03-01	2026/1/15	2027/1/14	/	/

Remark:

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
 (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992) .
 (c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c).

From JRL Article 24-2, paragraph 4, Item 2

Notice: Calibration duration for above equipments is 1 year.

5 Test Results

5.1 Radio Technical Requirements Specification

Tabel 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	FH: 83.5MHz or less FH + DS: 83.5MHz or less FH + OFDM: 83.5MHz or less OFDM: 40MHz or less Others: 26MHz or less
Antenna power	Designated value (1) FH, FH+DS, FH+OFDM: 3mW/MHz (used in the range of 2427 - 2470.75 MHz) (2) OFDM, DS other than (1) 10mW/MHz (3) Other than (1) & (2) 10mW (4) OFDM OBW 26 - 40MHz: 5mW/MHz, Tolerance: +20%
Antenna gain	1) 12.14 dBi or less in principle 2) In case of directional antenna (1) FH, FH+DS or FH+OFDM using 2427-2470.75 MHz EIRP $\leq$ 16.91 dBm/MHz (2) OFDM or DS other than (1) EIRP $\leq$ 22.14 dBm/MHz (3) Other than (1) and (2): 22.14 dBm or less (4) OFDM OBW 26 - 40MHz: 19.14dBm/MHz (5) Half-power angle of directional antenna (e) in case of the item 2): $e \leq 360/A$ (The A is 10 in maximum.)
Tolerance of spurious emission intensity	(1) Below 2387 MHz: 2.5 μ W/MHz (2) 2387 to 2400 MHz: 25 μ W/MHz (3) 2483.5 through 2496.5 MHz: 25 μ W/MHz (4) Over 2496.5 MHz: 2.5 μ W/MHz
Spreading bandwidth	Not regulated
Spreading rate of spectrum	Not regulated
Limit of secondary radiated emissions	(1) Below 1 GHz: 4 nW (2) Above 1 GHz: 20 nW
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

5.2 E.U.T. test conditions

Power Supply:	DC 3.3V		
	The RF unit is supplied DC 1.8V. The fluctuation of input voltage to the circuit of RF unit of test equipment is under $\pm 1\%$, when input voltage from DC 3.3V to the test equipment is fluctuated by $\pm 10\%$, So, all measurement has been conducted by only rated voltage.		
	The measurement result of the voltage fluctuation at RF circuit when DC 1.8V $\pm 1\%$.		
	DC Input		input voltage to the circuit
	High Voltage		4.35V
	Normal Voltage		3.3V
Test Frequencies:	Low Voltage		2.0V
	input voltage to the circuit		1.8V
	Deviation		0.00%
High Voltage		4.35V	1.8V
Normal Voltage		3.3V	1.8V
Low Voltage		2.0V	1.8V
Deviation		0.00%	0.00%
High Voltage		4.35V	1.8V
Normal Voltage		3.3V	1.8V
Low Voltage		2.0V	1.8V
Deviation		0.00%	0.00%
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.			

5.3 EUT channels and frequencies list:

Channel	Frequency (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462
12	2467
13	2472
802.11b/g/n(HT20)/ax(HE20):	Test frequencies are the lowest channel: 1 channel(2412MHz), middle channel: 7 channel (2442 MHz) and the highest channel: 13 channel (2472 MHz)
802.11n(HT40)/ax(HE40):	Test frequencies are the lowest channel: 3 channel(2422MHz), middle channel: 7 channel (2442 MHz) and the highest channel: 11 channel (2462 MHz)

5.4 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 PCB Antenna and no consideration of replacement.

The best case gain of the antenna is 2.1dBi.

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

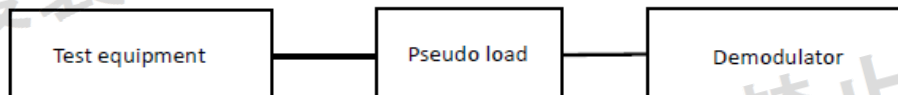


5.5 Interference prevention function

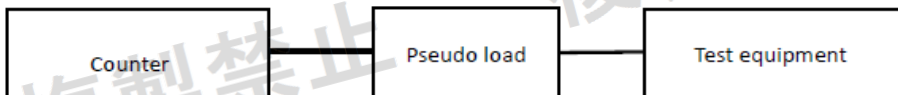
1) Measurement system diagram

(a) When transmitting identification code

If an identification code is transmitted



An identification code is received



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:

- Transmit the predetermined identification code from test equipment.
- Confirm the transmitted identification code by demodulator.

e4:85:fb:50:1d:bd

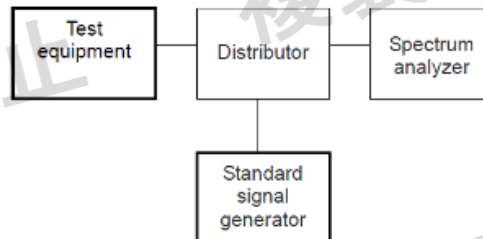
5) Test result: The unit does meet the requirements (Good).

PASS

5.6 Carrier sense capability

1) Measurement system diagram

(a) Test with test equipment only



2) Condition of measuring instrument

(a) Set the standard signal generator as follows:

Carrier frequency: Center frequency of receiving frequency band of test equipment
 Modulation: No modulation. (note1)
 Output level: regulated level on antenna input of test equipment

Note 1: The un-modulated carrier in the center frequency, when the carrier sense function of test equipment is not worked, if necessary, change the frequency or modulate it.

(b) Set the spectrum analyzer as follows:

Center frequency: Center frequency of the bandwidth used.(note2)
 Sweep frequency band: 50MHz(note2)
 Resolution bandwidth: Approximately 1 MHz
 Video bandwidth: Comparable level with resolution bandwidth
 Trigger condition: Free-run
 Detective mode: positive peak

Note 2: Under 26MHz of OFDM or other modulated method that with transmit function, set sweep frequency band as 0Hz, detective mode as sample, center frequency as the carrier frequency from 13MHz to 19MHz.

3) Condition of test equipment

Set the test equipment at the test frequency and the test spread code, and set it to the receiving mode in the beginning. When using external test device, connect with the test equipment by line connection.

4) Measuring operation procedure

(a) Test with test equipment only:

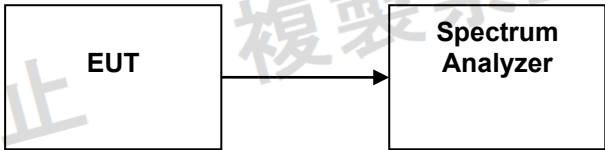
- (1) Set the spectrum analyzer according to (2) of 2).
- (2) Set the test equipment to the transmitting operation with the output of standard signal generator OFF, and confirm that it emits over 26MHz occupied frequency bandwidth OFDM radio wave, by using spectrum analyzer.
- (3) Set the test equipment to the receiving mode.
- (4) With the output of standard signal generator ON, set the test equipment to the transmitting operation, and confirm that it does not emit over 26MHz occupied frequency bandwidth OFDM radio wave, by using spectrum analyzer.
- (5) Test result: The unit does meet the requirements (Good).

Test Item	Mode	Frequency(MHz)	Result(dBm)	Pcs(dBm)	Verdict
Carrier Sensing Function	11b	2412	-49.52	-42.76	PASS
Carrier Sensing Function	11b	2442	-49.17	-42.86	PASS
Carrier Sensing Function	11b	2472	-49.38	-42.97	PASS
Carrier Sensing Function	11g	2412	-49.17	-42.76	PASS
Carrier Sensing Function	11g	2442	-49.33	-42.86	PASS

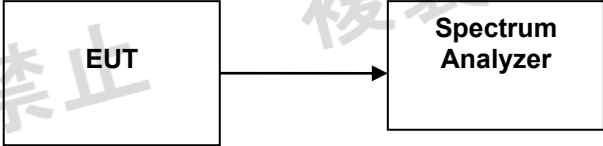
Carrier Sensing Function	11g	2472	-49.27	-42.97	PASS
Carrier Sensing Function	11n20	2412	-49.18	-42.76	PASS
Carrier Sensing Function	11n20	2442	-49.71	-42.86	PASS
Carrier Sensing Function	11n20	2472	-49.25	-42.97	PASS
Carrier Sensing Function	11n40	2422	-49.33	-42.79	PASS
Carrier Sensing Function	11n40	2442	-49.42	-42.86	PASS
Carrier Sensing Function	11n40	2462	-49.53	-42.94	PASS
Carrier Sensing Function	11ax20	2412	-49.57	-42.76	PASS
Carrier Sensing Function	11ax20	2442	-49.14	-42.86	PASS
Carrier Sensing Function	11ax20	2472	-49.27	-42.97	PASS
Carrier Sensing Function	11ax40	2422	-49.33	-42.79	PASS
Carrier Sensing Function	11ax40	2442	-49.72	-42.86	PASS
Carrier Sensing Function	11ax40	2462	-49.41	-42.94	PASS

$Pcs(dBm) = 22.79 + "Gr"(dBi) - 20\log "F" (MHz)$

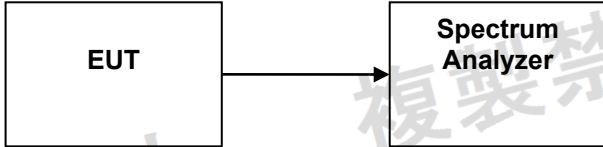
5.7 Frequency Error

Test Requirement:	Item 19 of Article 2-1
Limit:	Tolerance of frequency: $\pm 50 \times 10^{-6}$
Test Status:	Test the EUT in transmitting mode without modulation.
Temperature:	22~25 °C
Humidity:	50~60 % RH
Atmospheric Pressure:	101.0kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer];</pre>
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 Alternative method: Frequency: Test Frequency Span 2 times channel bandwidth RBW 100 kHz (Modulation ON), VBW 100 kHz (Modulation ON), Sweep Time Auto Detector mode Positive peak Indication mode Max hold
The detailed test data see: Appendix	

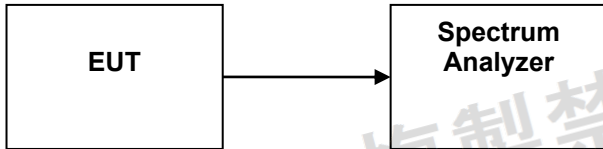
5.8 Occupied Bandwidth (99%)

Test Requirement:	Item 19 of Article 2-1
Limit:	FH: 83.5MHz or less; OFDM: 40MHz or less; Others: 26MHz or less
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:	22~25 °C
Humidity:	50~60 % RH
Atmospheric Pressure:	101.0kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer]</pre>
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping ON, Modulation Tx 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 83.5 MHz (FHSS); 40/60 MHz (OFDM; DSSS); 2-5 times OBW (Others) RBW 1 MHz (FHSS); 300kHz (OFDM; DSSS); 3% OBW (Others) VBW 1 MHz (FHSS); 300kHz (OFDM; DSSS); 3 times RBW (Others) Sweep Time Auto detector mode Positive peak Indication mode Max hold OBW 99%
The detailed test data see: Appendix	

5.9 Antenna Power

Test Requirement:	Item 19 of Article 2-1
Limit:	Designated value (1) FH, FH+DS, FH+OFDM: 3mW/MHz (used in the range of 2427 - 2470.75 MHz) (2) OFDM, DS other than (1) 10mW/MHz (3) Other than (1) & (2) 10mW (4) OFDM OBW 26 - 40MHz: 5mW/MHz Tolerance: +20%
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:	22~25 °C
Humidity:	50~60 % RH
Atmospheric Pressure:	101.0kPa
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	1. Test Conditions: Spectrum Analyzer is used for measurement. 2. EUT conditions: Modulation/Spread/Hopping ON, Modulation Tx For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. 3. Spectrum Analyzer conditions: Center frequency: Test frequency Sweep frequency width: About twice the occupied frequency bandwidth RBW: 1MHz, VBW: 1MHz Sweep time: Auto, Sweep mode: Continuous sweep Detection mode: positive peak Display mode: Max hold Center frequency The frequency that gives the maximum power (searched frequency) Sweep frequency width: 0Hz RBW: 1MHz, VBW: 1MHz Sweep mode: Continuous sweep
The detailed test data see: Appendix	

5.10 Spurious Emissions of Tx

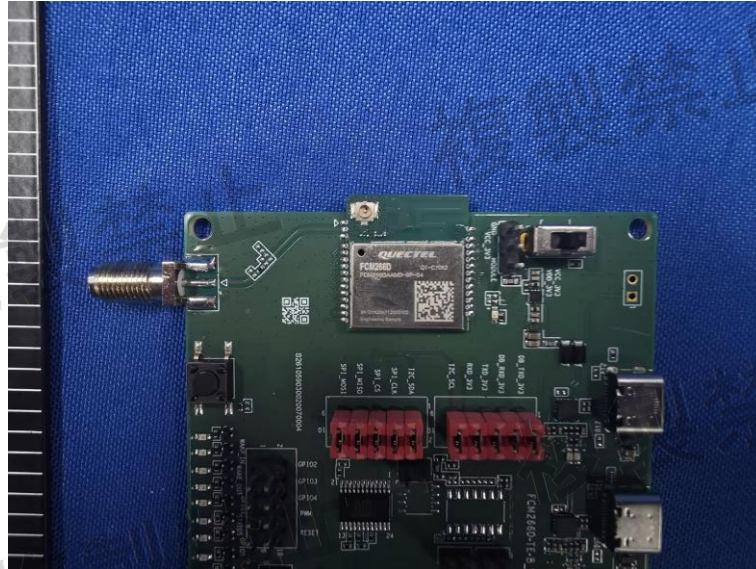
Test Requirement:	Item 19 of Article 2-1
Limit:	< 2387MHz ≤ 2.5μW/MHz 2387 ~ 2400MHz ≤ 25μW/MHz 2483.5 ~ 2496.5MHz ≤ 25μW/MHz >2496.5MHz ≤ 2.5μW/MHz
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	22~25 °C
Humidity:	50~60 % RH
Atmospheric Pressure:	101.0kPa
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	Test Conditions: Spectrum Analyzer is used for measurement. EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. 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 (for 2412-2472MHz) 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
The detailed test data see: Appendix	

5.11 RF accessibility

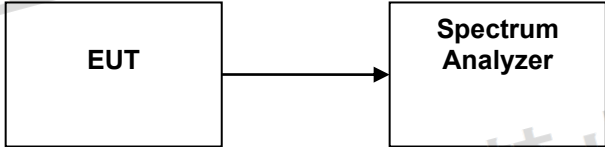
Standard requirement

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.

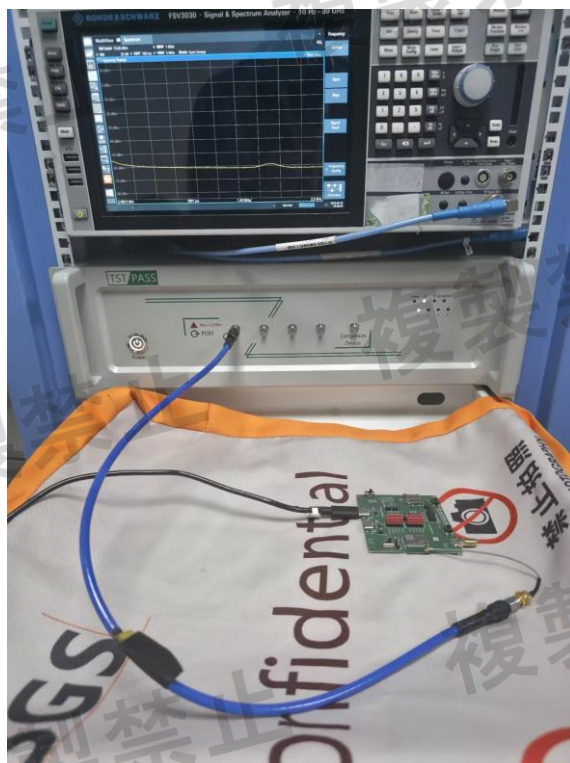


5.12 Spurious Emissions of Rx

Test Requirement:	Item 19 of Article 2-1
Limit:	(1) Below 1 GHz: 4 nW (2) 1 GHz and over: 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:	22~25 °C
Humidity:	50~60 % RH
Atmospheric Pressure:	101.0kPa
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>
Test Procedure:	- Test Conditions: Spectrum Analyzer is used for measurement. - EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. - 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 – 2400 MHz, 2483.5 MHz –13 GHz (for 2412MHz-2472MHz) 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
The detailed test data see: Appendix	

6 Photographs

6.1 EUT Test Setup



7 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for SUCR2603000235MO

8 Appendix

1. Duty Cycle

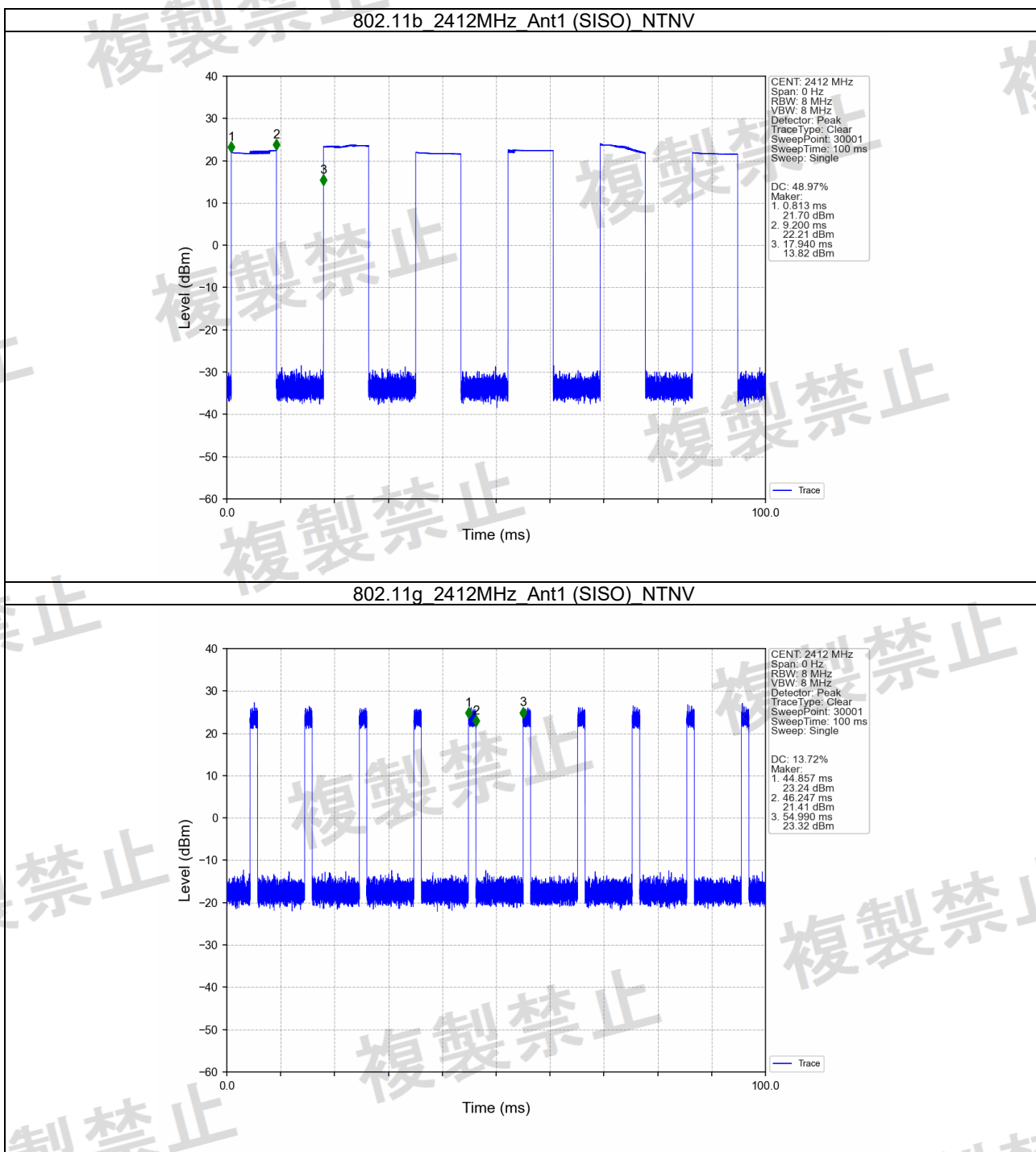
1.1 Test Result

1.1.1 Ant1

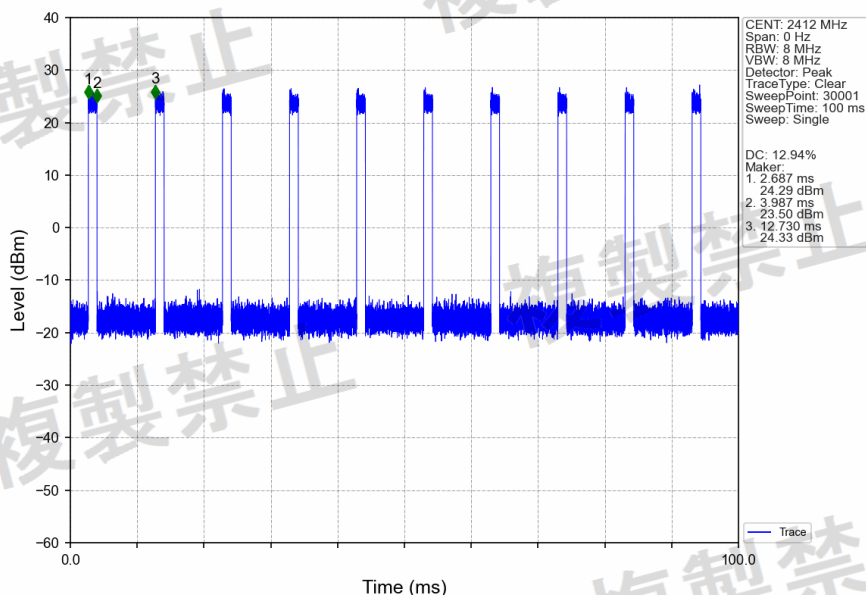
Ant1										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11b	SISO	2412	/	/	8.387	17.127	48.97	3.10	0.02
	802.11g	SISO	2412	/	/	1.390	10.133	13.72	8.63	0.03
	802.11n (HT20)	SISO	2412	/	/	1.300	10.043	12.94	8.88	0.03
	802.11n (HT40)	SISO	2422	/	/	0.648	6.538	9.91	10.04	0.04
	802.11ax (HEW20)	SISO	2412	SU	/	1.067	9.810	10.88	9.64	0.00
	802.11ax (HEW40)	SISO	2422	SU	/	0.563	9.303	6.05	12.18	0.04

1.2 Test Graph

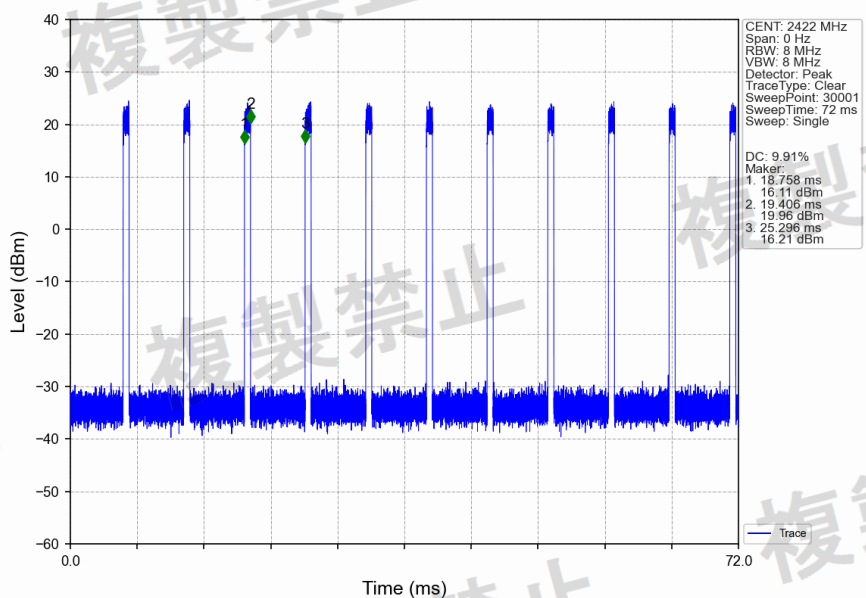
1.2.1 Ant1



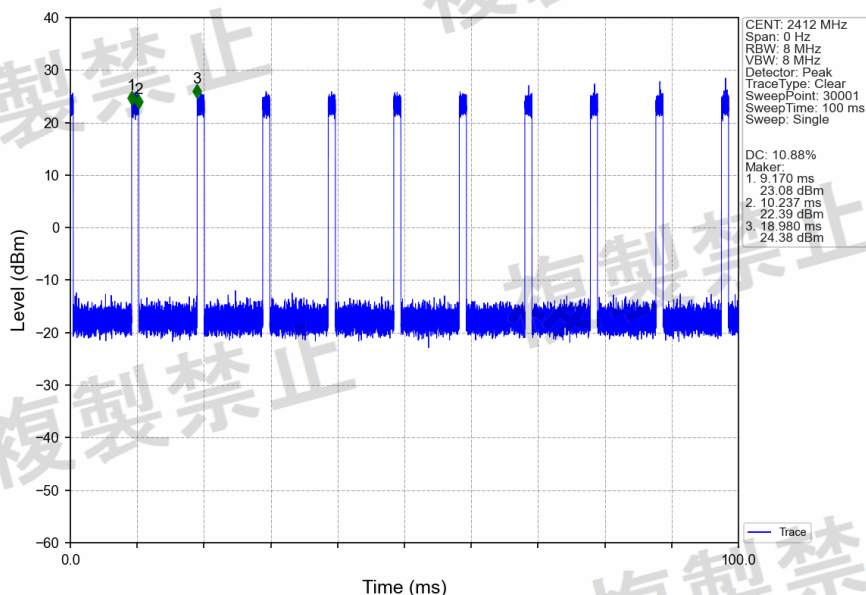
802.11n(HT20) 2412MHz Ant1 (SISO) NTN



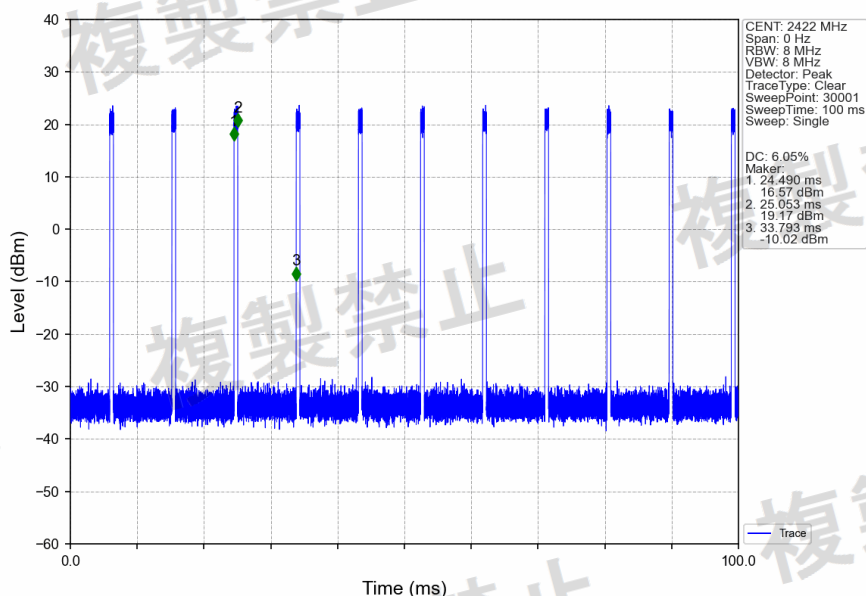
802.11n(HT40) 2422MHz Ant1 (SISO) NTN



802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN



2. Frequency Error

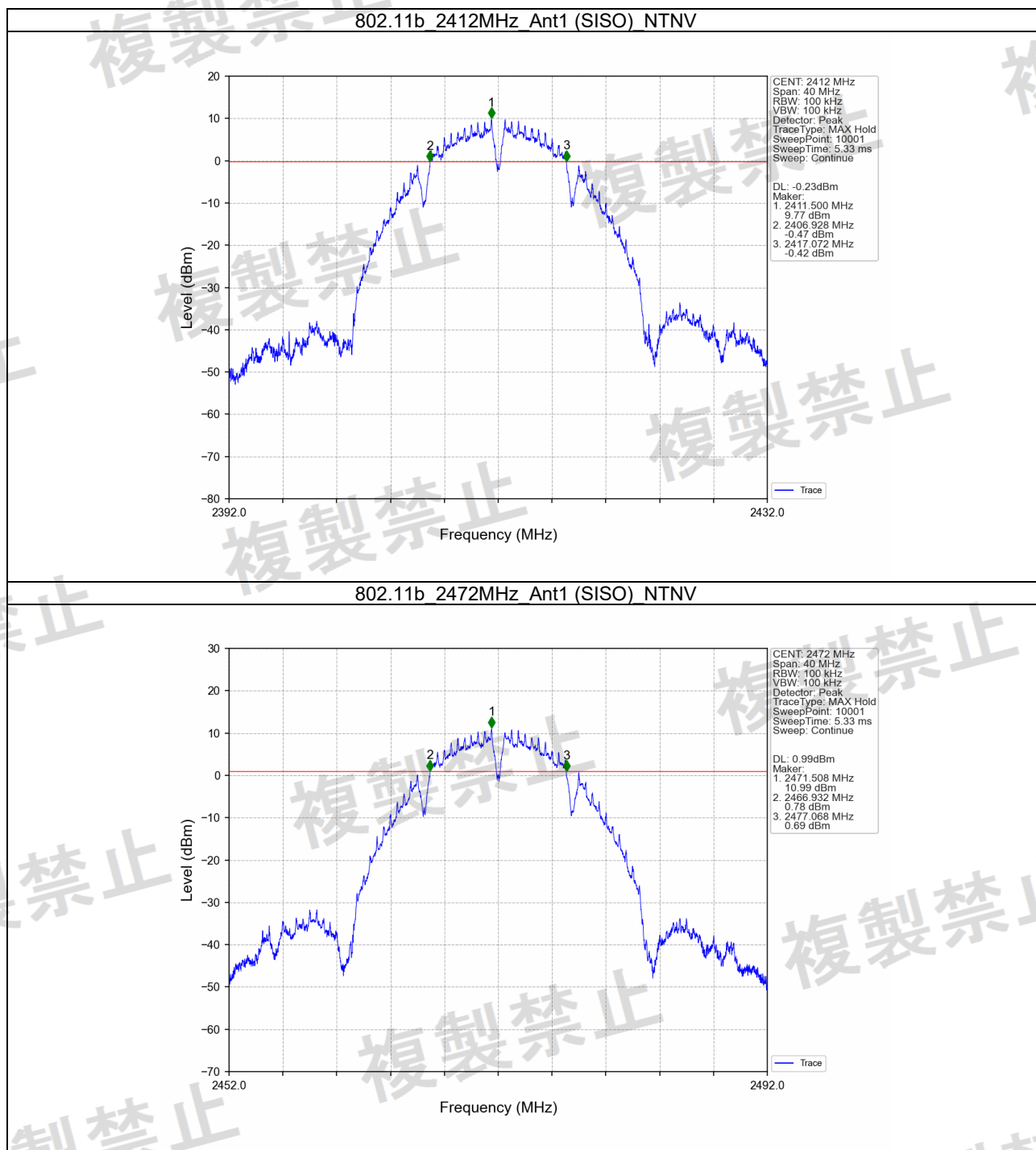
2.1 Test Result

2.1.1 Ant1

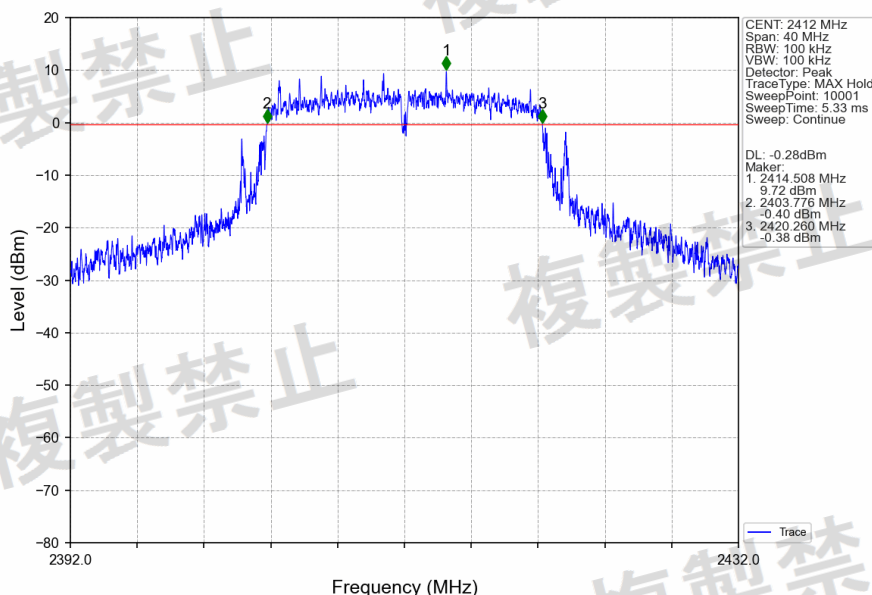
Ant1									
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
							Result	Limit	
NTNV	802.11b	SISO	2412	/	/	2412.000	0.00	-50 to 50	Pass
			2472	/	/	2472.000	0.00	-50 to 50	Pass
	802.11g	SISO	2412	/	/	2412.018	7.46	-50 to 50	Pass
			2472	/	/	2472.038	15.37	-50 to 50	Pass
	802.11n (HT20)	SISO	2412	/	/	2411.912	-36.48	-50 to 50	Pass
			2472	/	/	2472.084	33.98	-50 to 50	Pass
	802.11n (HT40)	SISO	2422	/	/	2422.020	8.26	-50 to 50	Pass
			2462	/	/	2462.008	3.25	-50 to 50	Pass
	802.11ax (HEW20)	SISO	2412	SU	/	2412.010	4.15	-50 to 50	Pass
			2472	SU	/	2472.012	4.85	-50 to 50	Pass
	802.11ax (HEW40)	SISO	2422	SU	/	2422.036	14.86	-50 to 50	Pass
			2462	SU	/	2461.896	-42.24	-50 to 50	Pass

2.2 Test Graph

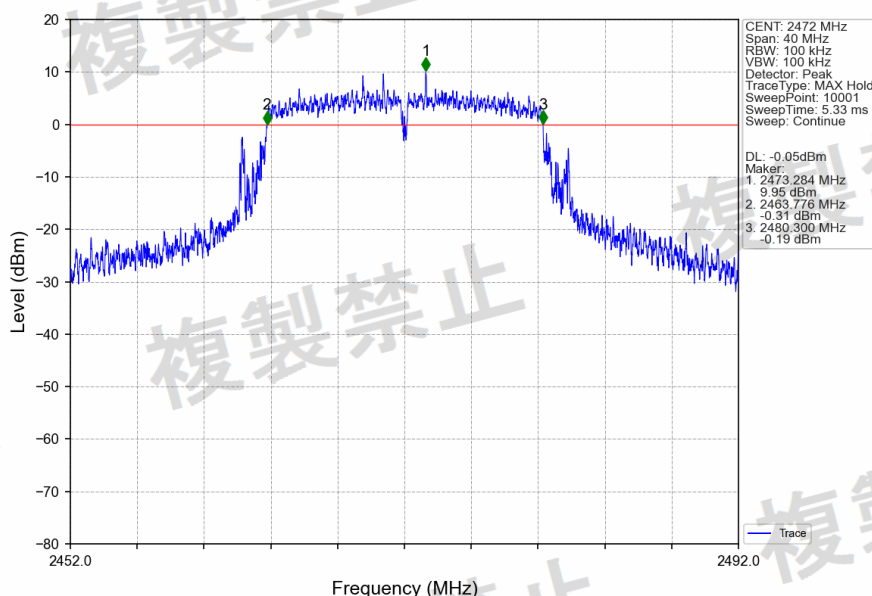
2.2.1 Ant1



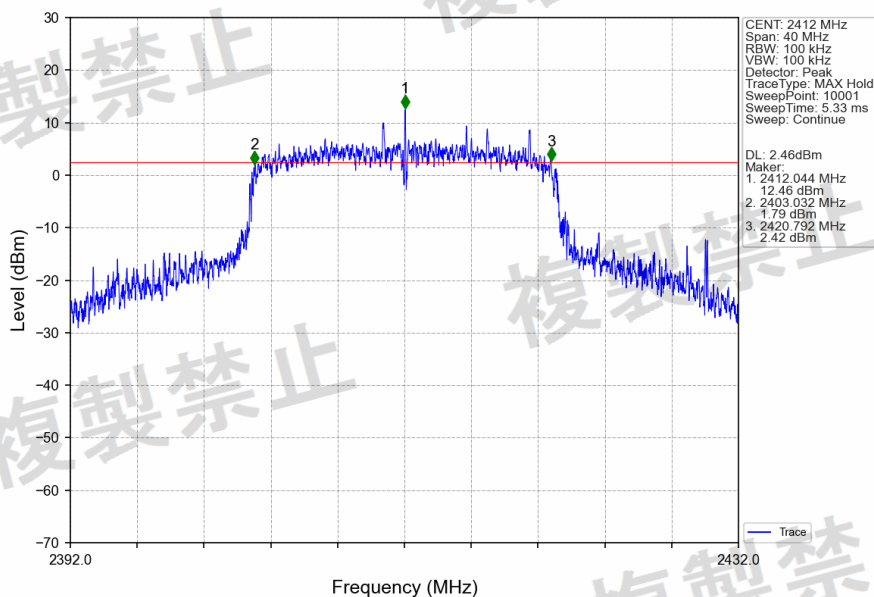
802.11g_2412MHz_Ant1 (SISO) NTN



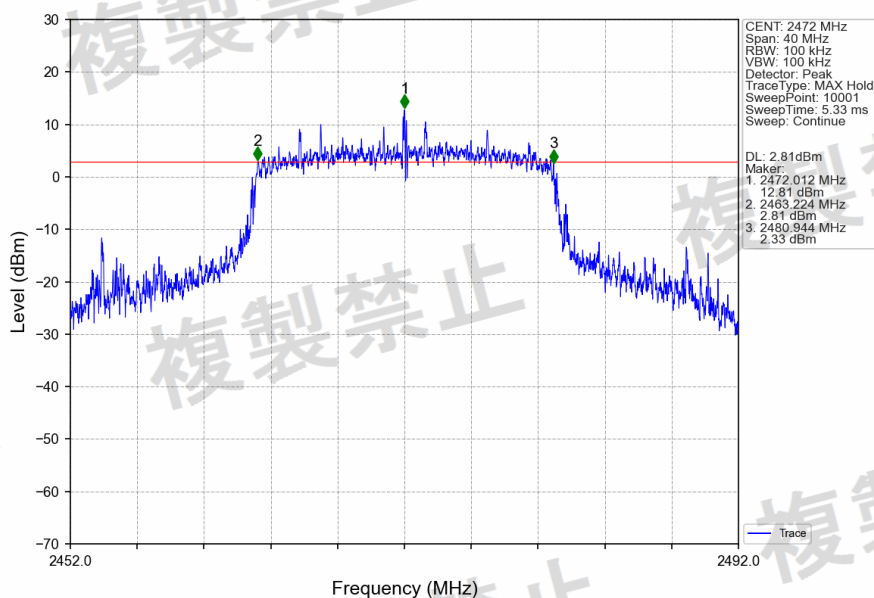
802.11g_2472MHz_Ant1 (SISO) NTN



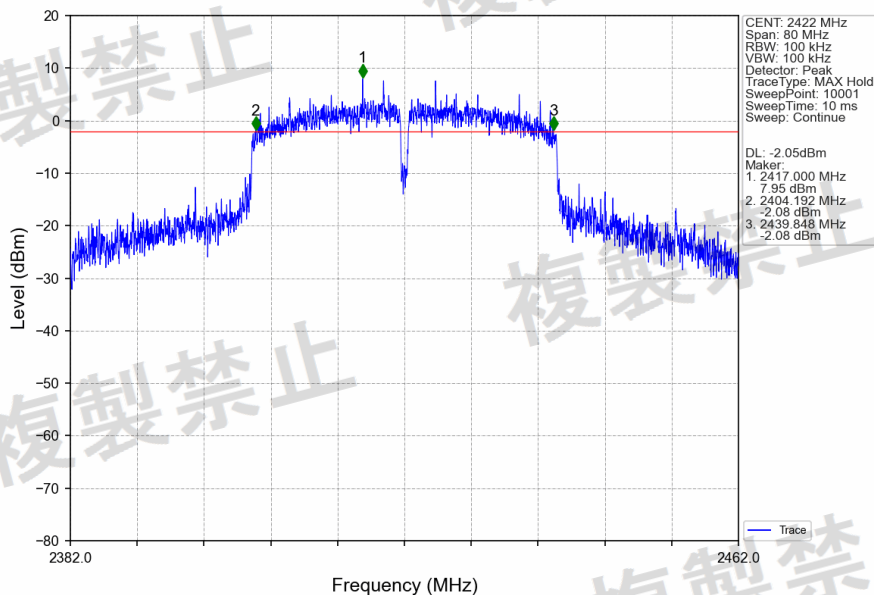
802.11n(HT20) 2412MHz Ant1 (SISO) NTN



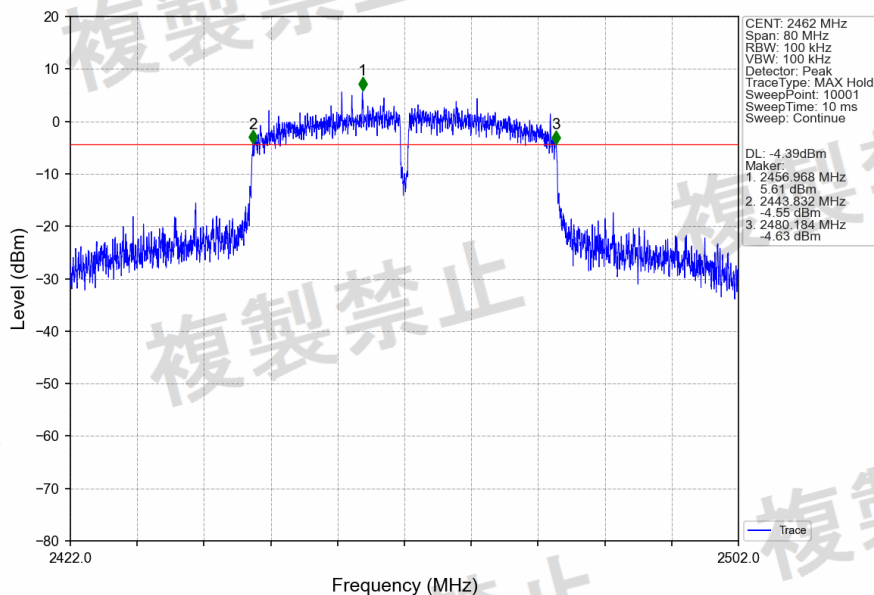
802.11n(HT20) 2472MHz Ant1 (SISO) NTN



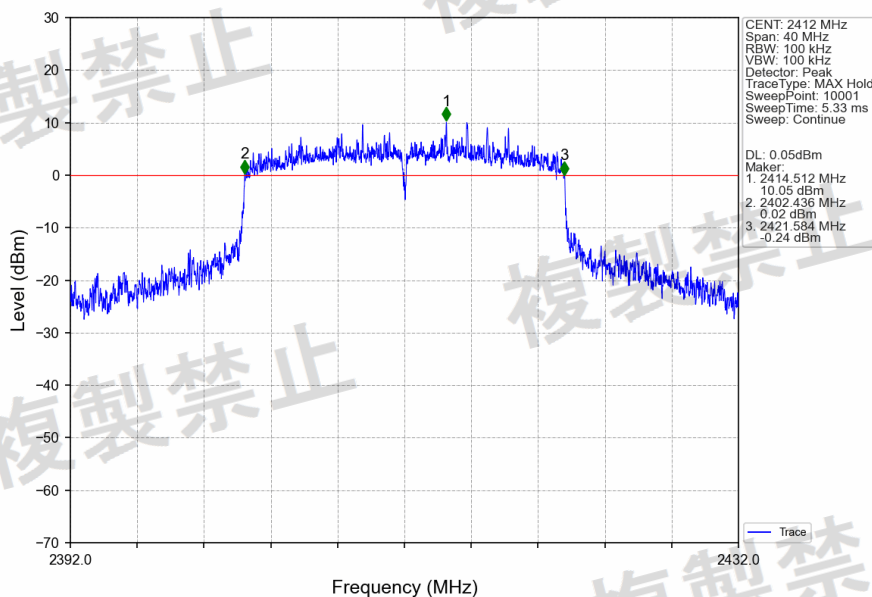
802.11n(HT40) 2422MHz Ant1 (SISO) NTN



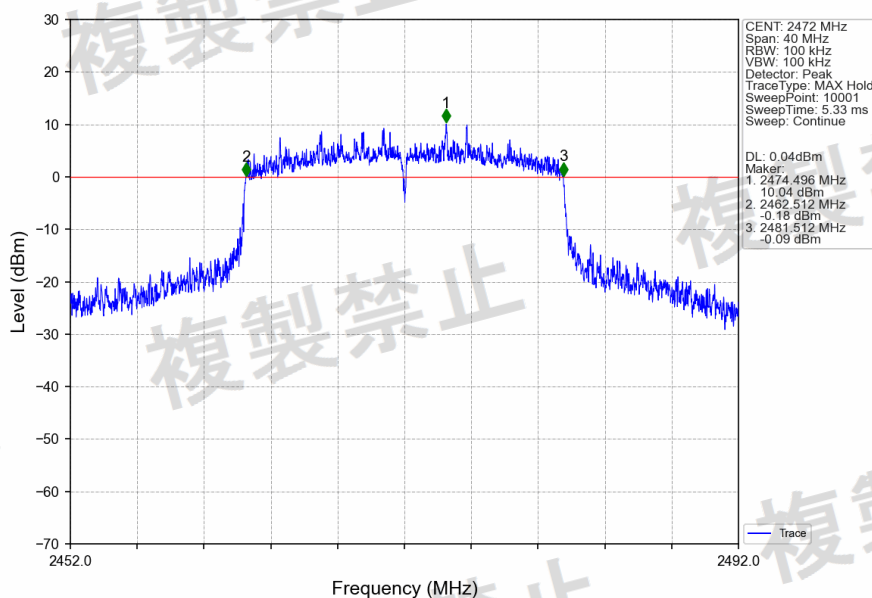
802.11n(HT40) 2462MHz Ant1 (SISO) NTN



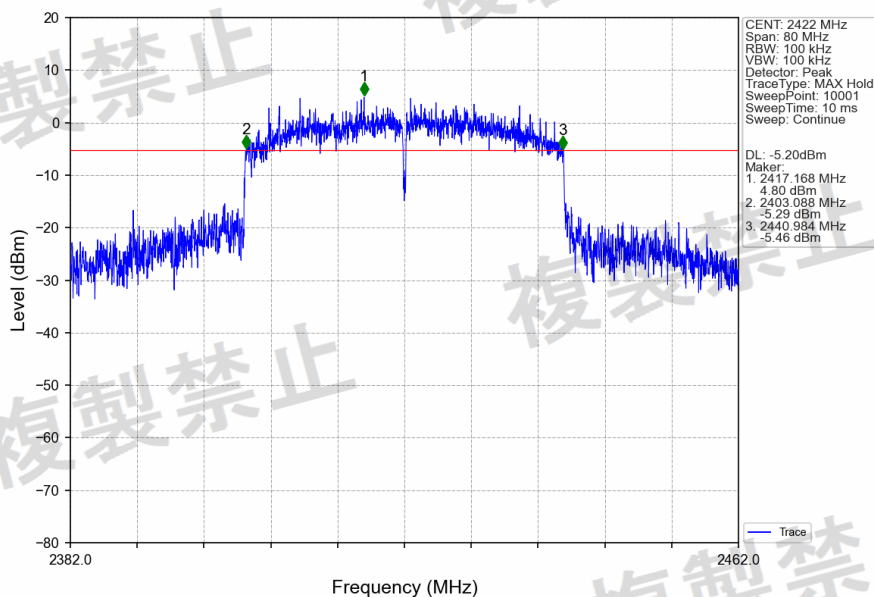
802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN



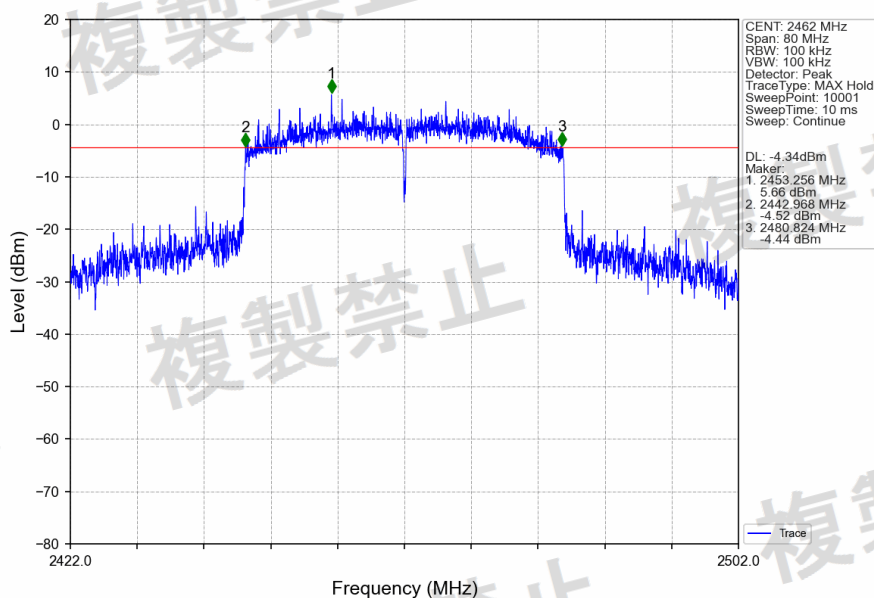
802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



3. Occupied Bandwidth

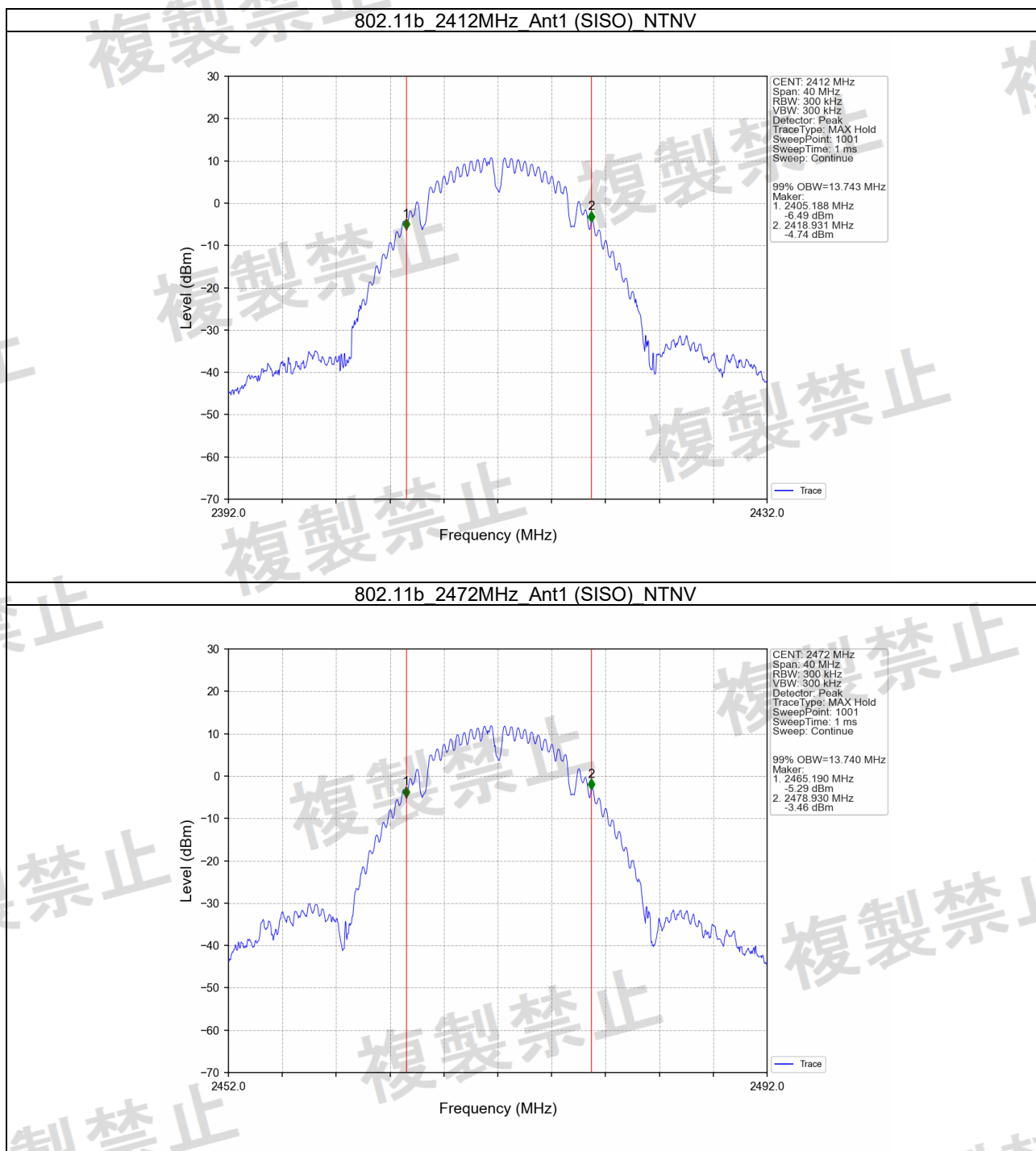
3.1 Test Result

3.1.1 OBW

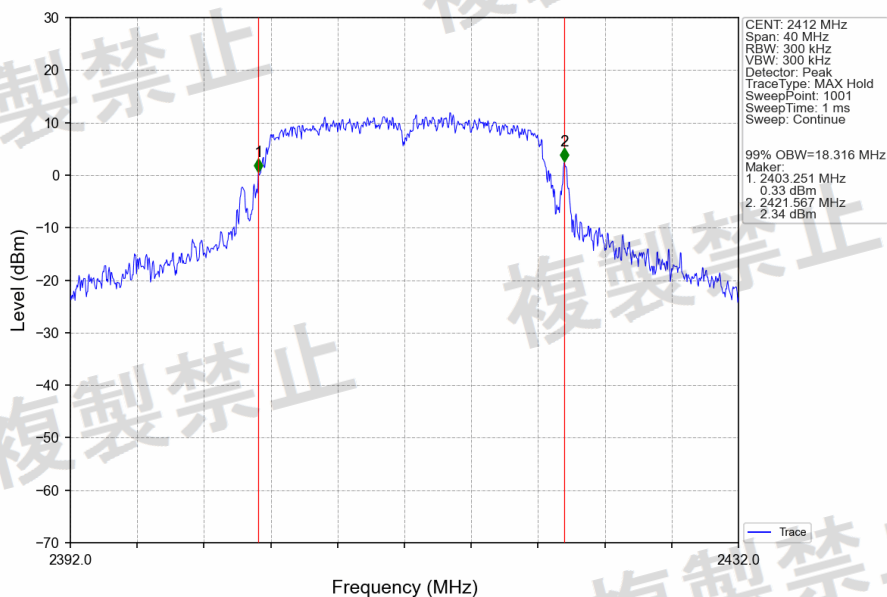
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)		Verdict
						ANT1	Limit	
NTNV	802.11b	SISO	2412	/	/	13.743	<=26	Pass
			2472	/	/	13.740	<=26	Pass
	802.11g	SISO	2412	/	/	18.316	<=26	Pass
			2472	/	/	18.139	<=26	Pass
	802.11n (HT20)	SISO	2412	/	/	18.746	<=26	Pass
			2472	/	/	18.647	<=26	Pass
	802.11n (HT40)	SISO	2422	/	/	36.487	<=40	Pass
			2462	/	/	36.070	<=40	Pass
	802.11ax (HEW20)	SISO	2412	SU	/	19.288	<=26	Pass
			2472	SU	/	19.098	<=26	Pass
	802.11ax (HEW40)	SISO	2422	SU	/	37.730	<=40	Pass
			2462	SU	/	37.599	<=40	Pass

3.2 Test Graph

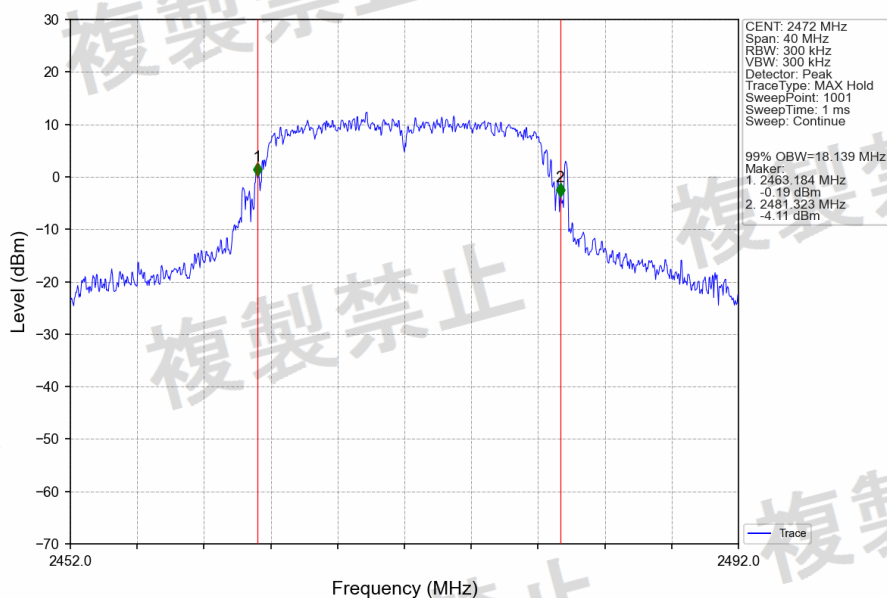
3.2.1 OBW



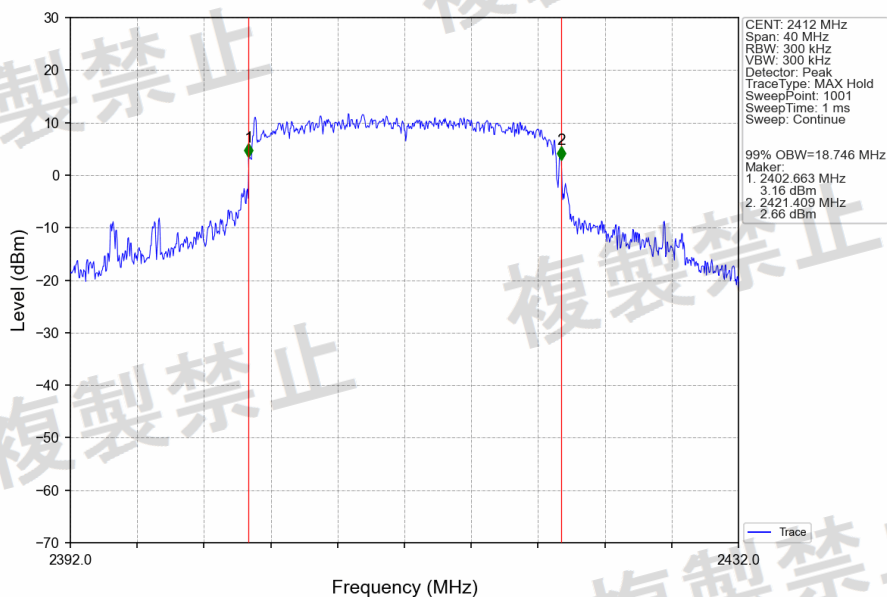
802.11g_2412MHz_Ant1 (SISO) NTN



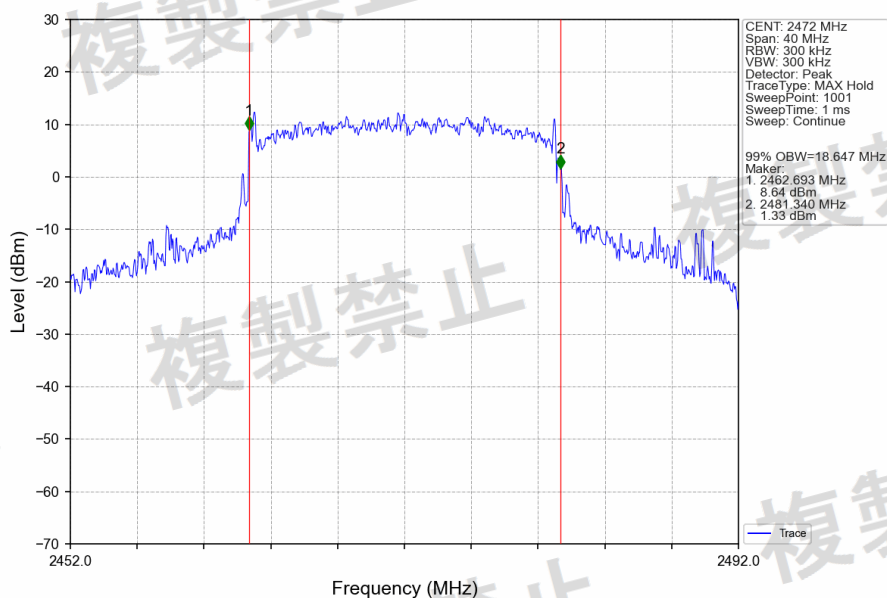
802.11g_2472MHz_Ant1 (SISO) NTN



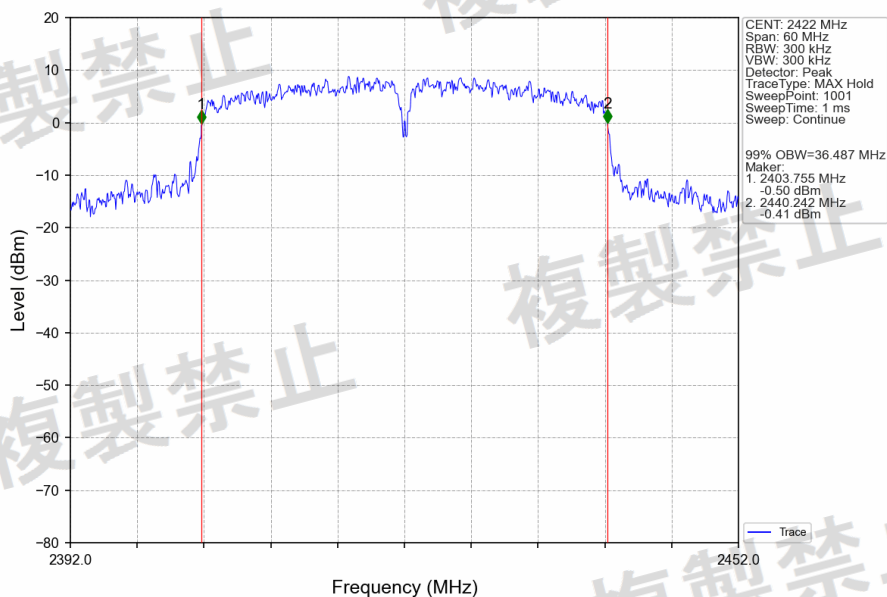
802.11n(HT20) 2412MHz Ant1 (SISO) NTN



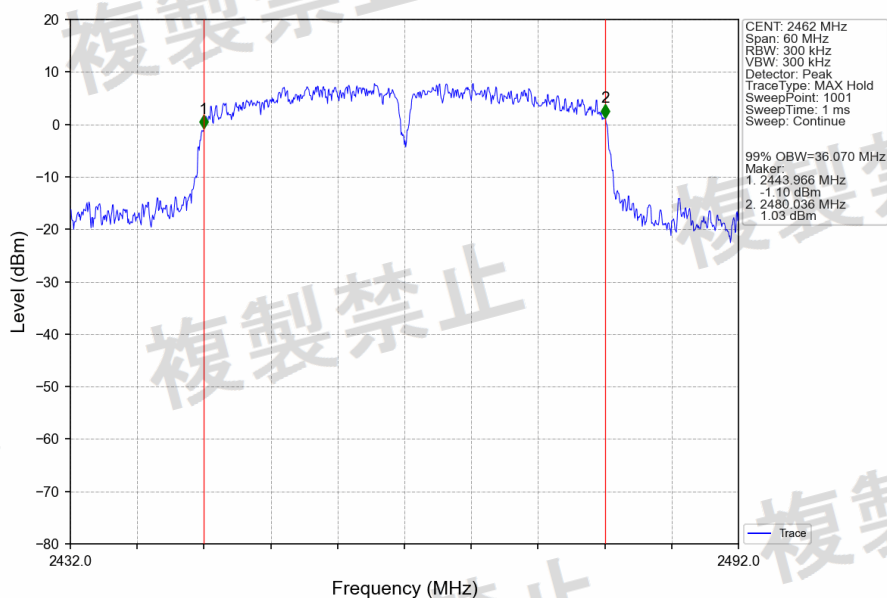
802.11n(HT20) 2472MHz Ant1 (SISO) NTN



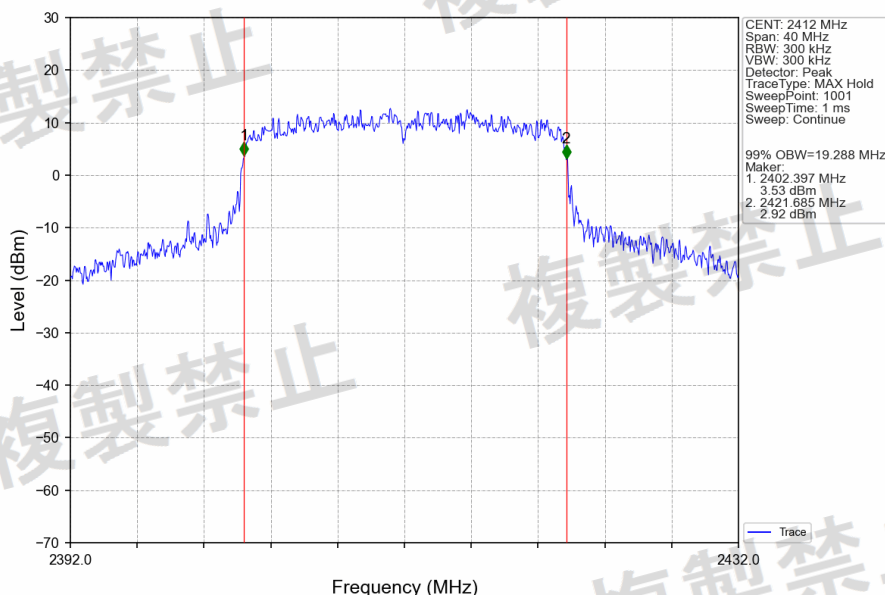
802.11n(HT40) 2422MHz Ant1 (SISO) NTN



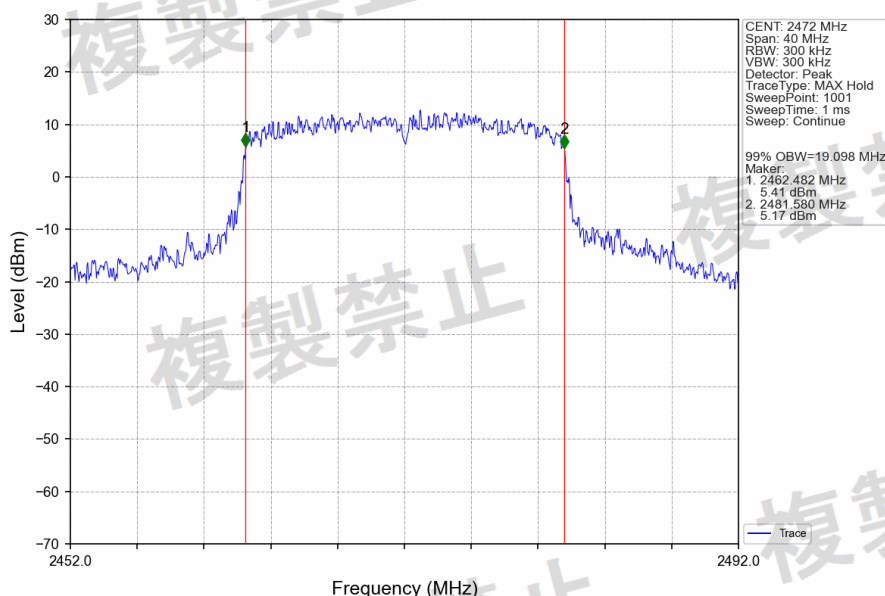
802.11n(HT40) 2462MHz Ant1 (SISO) NTN



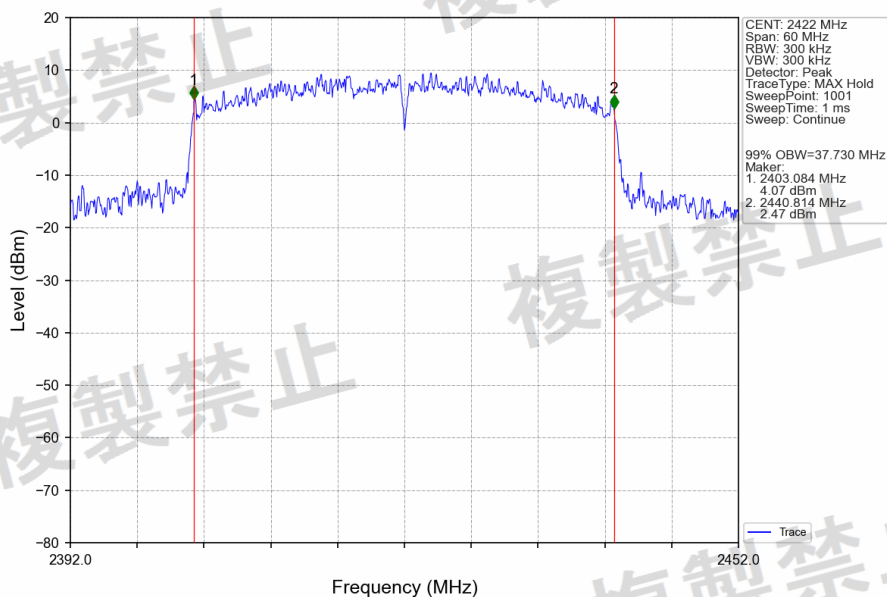
802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN



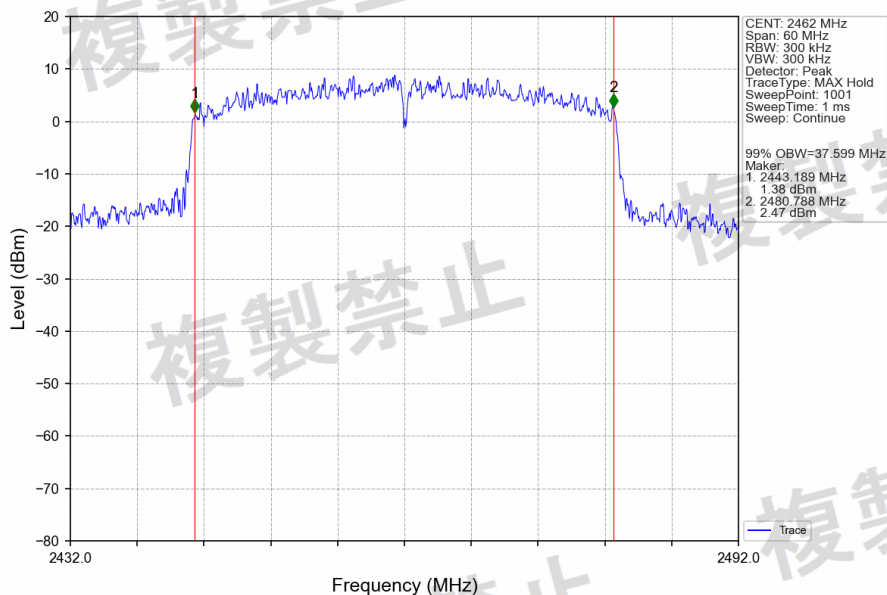
802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



4. Antenna Power

4.1 Test Result

4.1.1 Power

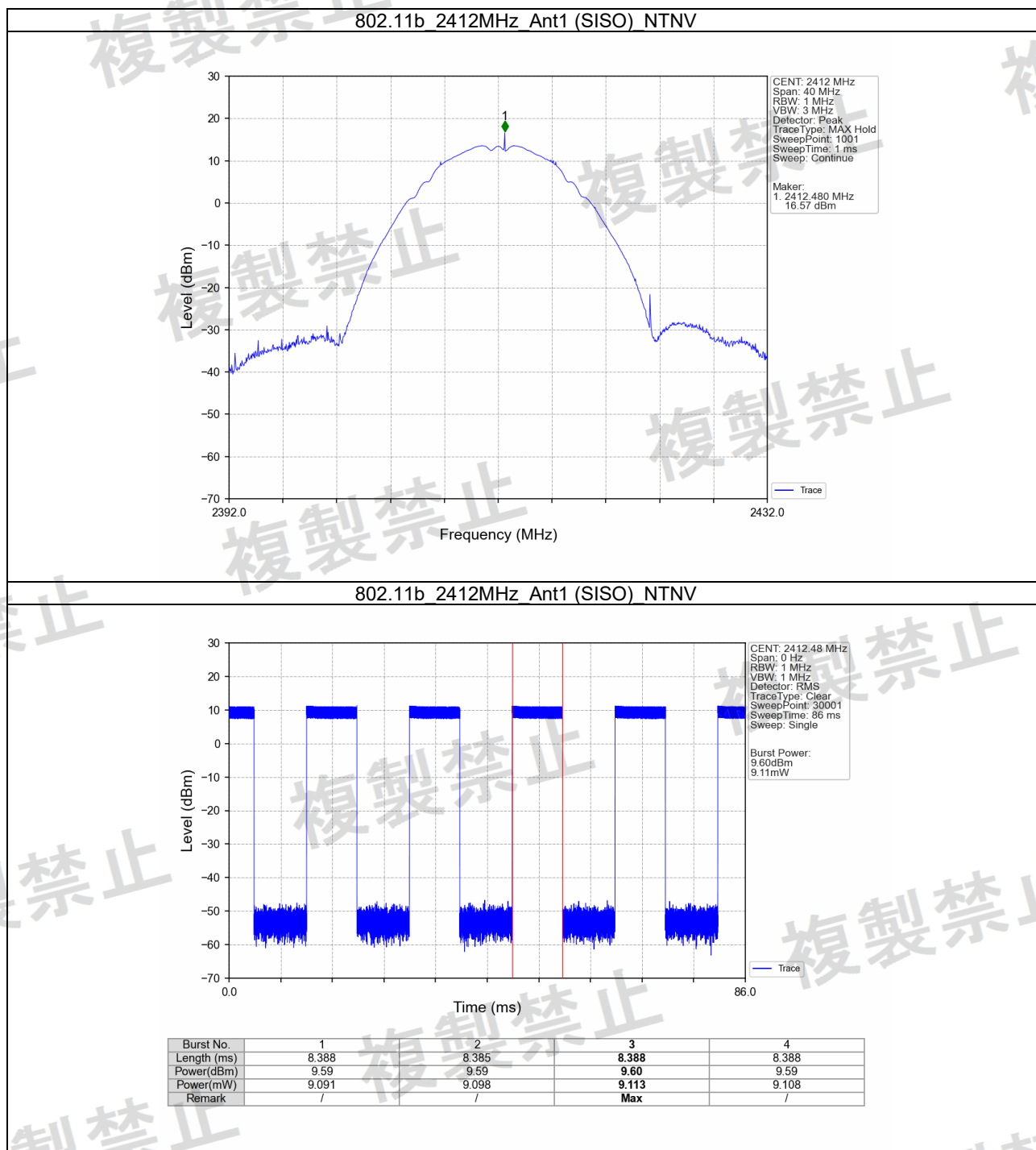
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
							Measured	Limit		Measured	Limit	
NTNV	802.11b	SISO	2412	/	/	1	9.113	<=10.00	8.800	3.56	<=20	Pass
			2472	/	/	1	8.844	<=10.00	8.800	0.50	<=20	Pass
	802.11g	SISO	2412	/	/	1	8.732	<=10.00	8.700	0.37	<=20	Pass
			2472	/	/	1	8.975	<=10.00	8.700	3.16	<=20	Pass
	802.11n (HT20)	SISO	2412	/	/	1	7.299	<=10.00	7.300	-0.01	<=20	Pass
			2472	/	/	1	7.260	<=10.00	7.300	-0.55	<=20	Pass
	802.11n (HT40)	SISO	2422	/	/	1	4.701	<=5.00	3.960	18.71	<=20	Pass
			2462	/	/	1	3.642	<=5.00	3.960	-8.03	<=20	Pass
	802.11ax (HEW20)	SISO	2412	SU	/	1	8.604	<=10.00	8.600	0.05	<=20	Pass
			2472	SU	/	1	8.395	<=10.00	8.600	-2.38	<=20	Pass
	802.11ax (HEW40)	SISO	2422	SU	/	1	4.296	<=5.00	4.300	-0.09	<=20	Pass
			2462	SU	/	1	3.507	<=5.00	4.300	-18.44	<=20	Pass

4.1.2 EIRP

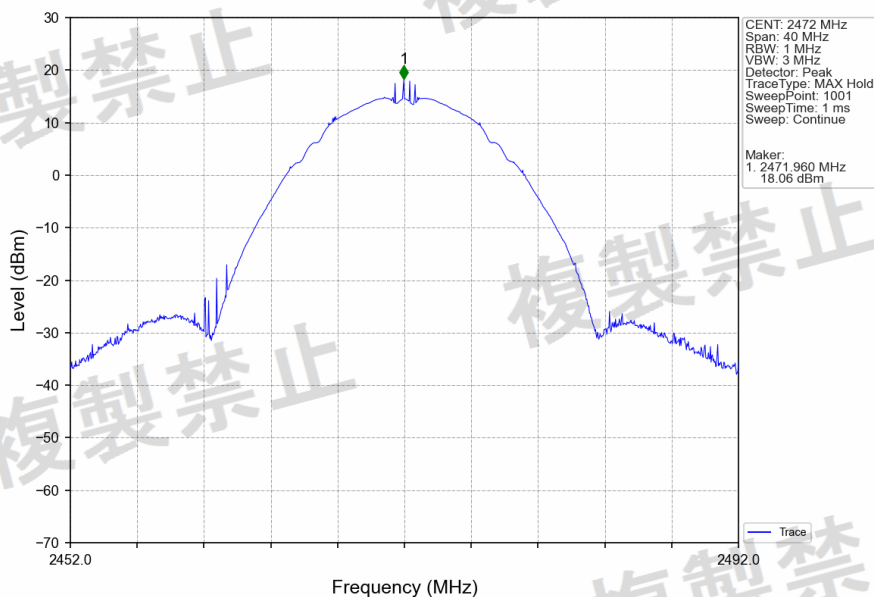
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Gain (dBi)	EIRP (dBm)		Verdict
								Result	Limit	
NTNV	802.11b	SISO	2412	/	/	1	2.10	11.70	<=12.14	Pass
			2472	/	/	1	2.10	11.57	<=12.14	Pass
	802.11g	SISO	2412	/	/	1	2.10	11.51	<=12.14	Pass
			2472	/	/	1	2.10	11.63	<=12.14	Pass
	802.11n (HT20)	SISO	2412	/	/	1	2.10	10.73	<=12.14	Pass
			2472	/	/	1	2.10	10.71	<=12.14	Pass
	802.11n (HT40)	SISO	2422	/	/	1	2.10	8.82	<=9.13	Pass
			2462	/	/	1	2.10	7.71	<=9.13	Pass
	802.11ax (HEW20)	SISO	2412	SU	/	1	2.10	11.45	<=12.14	Pass
			2472	SU	/	1	2.10	11.34	<=12.14	Pass
	802.11ax (HEW40)	SISO	2422	SU	/	1	2.10	8.43	<=9.13	Pass
			2462	SU	/	1	2.10	7.55	<=9.13	Pass

4.2 Test Graph

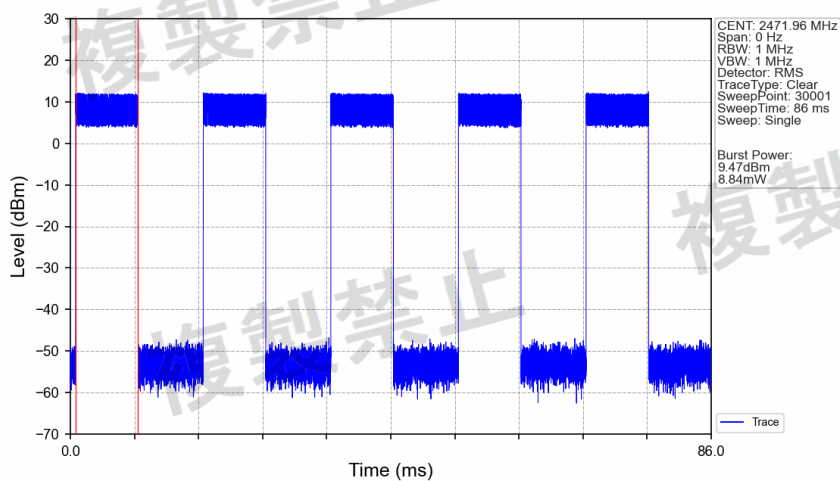
4.2.1 Power



802.11b 2472MHz Ant1 (SISO) NTN

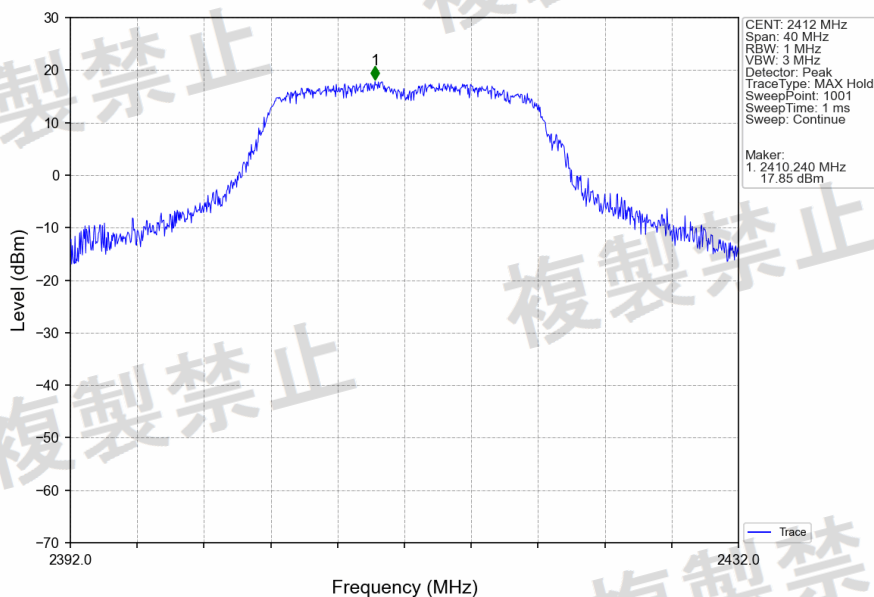


802.11b 2472MHz Ant1 (SISO) NTN

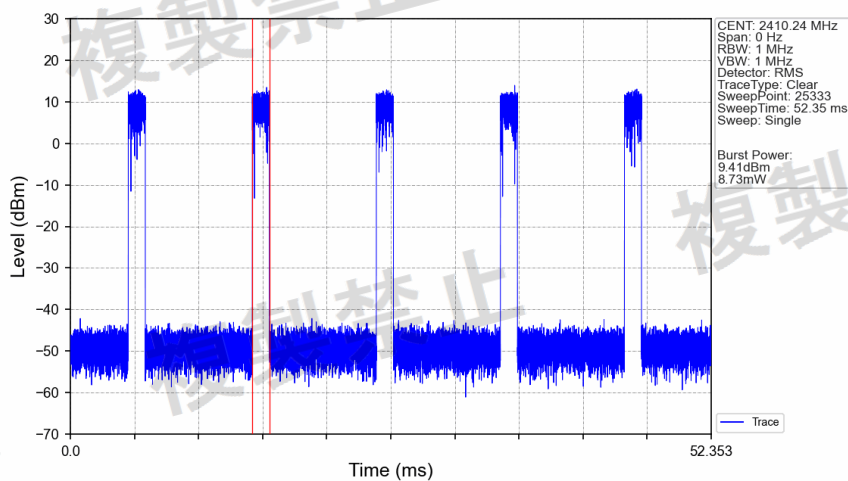


Burst No.	1	2	3	4	5
Length (ms)	8.385	8.388	8.388	8.385	8.388
Power(dBm)	9.47	9.46	9.46	9.46	9.46
Power(mW)	8.844	8.839	8.836	8.840	8.839
Remark	Max	/	/	/	/

802.11g_2412MHz_Ant1 (SISO) NTN

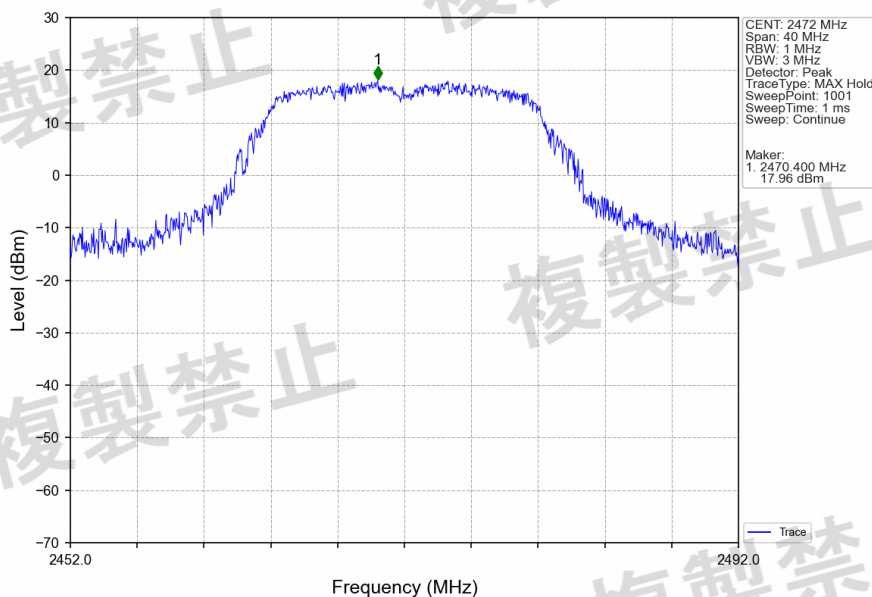


802.11g_2412MHz_Ant1 (SISO) NTN

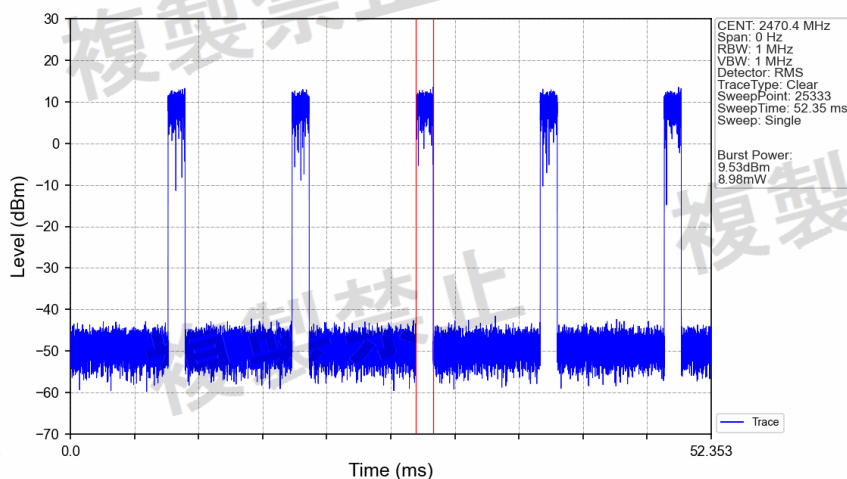


Burst No.	1	2	3	4	5
Length (ms)	1.393	1.393	1.393	1.395	1.393
Power(dBm)	9.41	9.41	9.40	9.40	9.40
Power(mW)	8.728	8.732	8.714	8.710	8.716
Remark	/	Max	/	/	/

802.11g_2472MHz_Ant1 (SISO) NTN

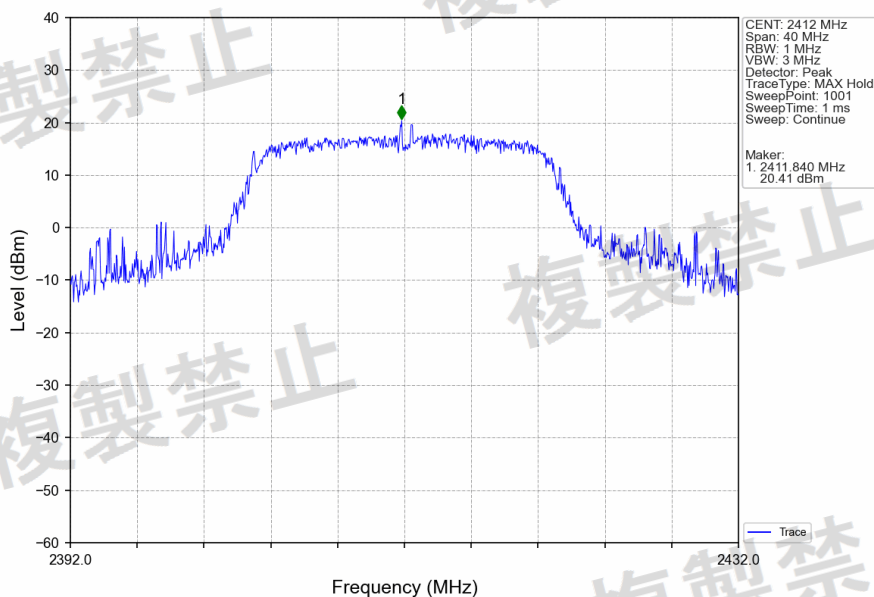


802.11g_2472MHz_Ant1 (SISO) NTN

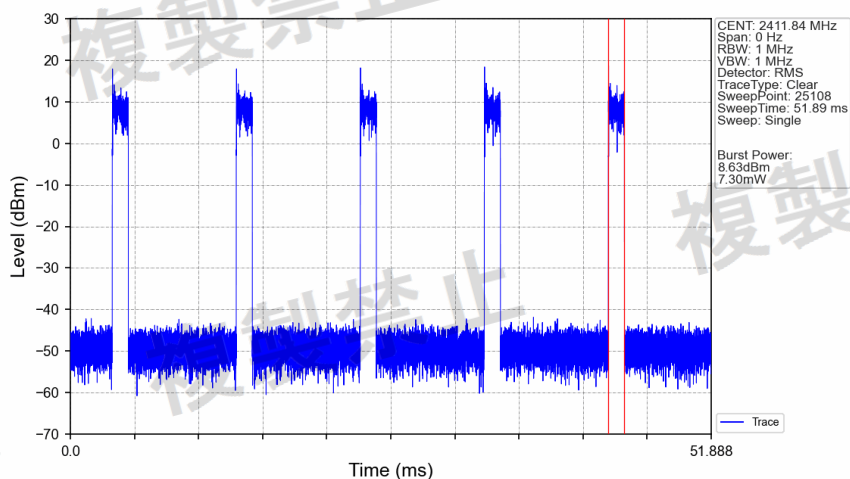


Burst No.	1	2	3	4	5
Length (ms)	1.393	1.393	1.393	1.393	1.393
Power(dBm)	9.53	9.53	9.53	9.53	9.53
Power(mW)	8.965	8.972	8.975	8.971	8.970
Remark	/	/	Max	/	/

802.11n(HT20) 2412MHz Ant1 (SISO) NTN

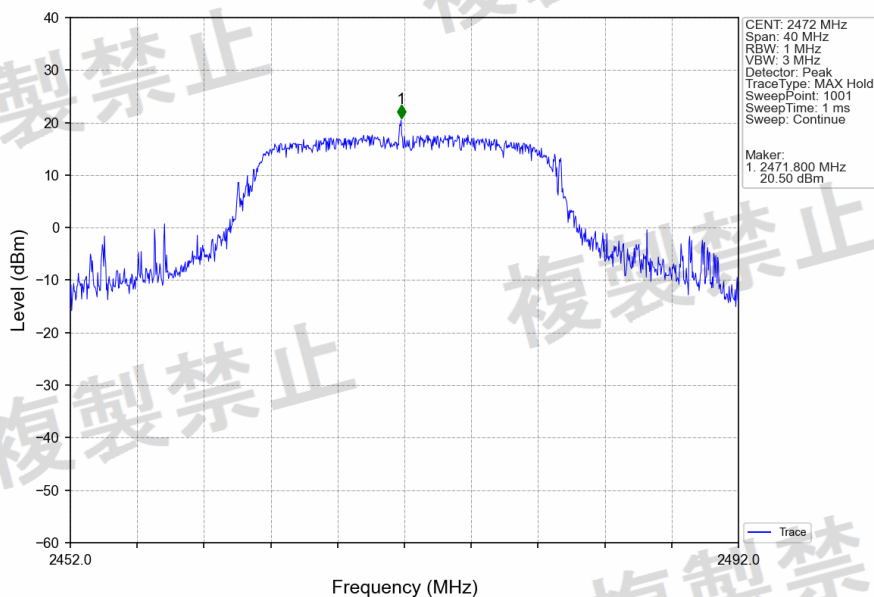


802.11n(HT20) 2412MHz Ant1 (SISO) NTN

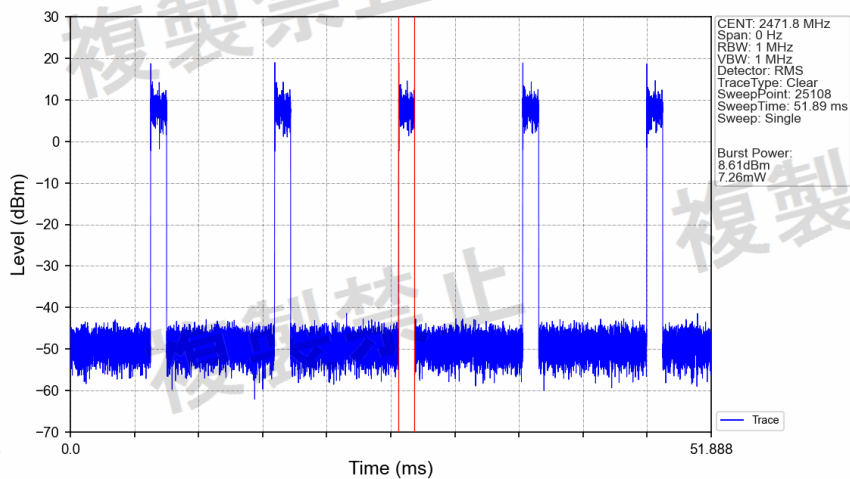


Burst No.	1	2	3	4	5
Length (ms)	1.302	1.302	1.302	1.302	1.302
Power(dBm)	8.63	8.63	8.62	8.63	8.63
Power(mW)	7.298	7.289	7.285	7.290	7.299
Remark	/	/	/	/	Max

802.11n(HT20) 2472MHz Ant1 (SISO) NTN

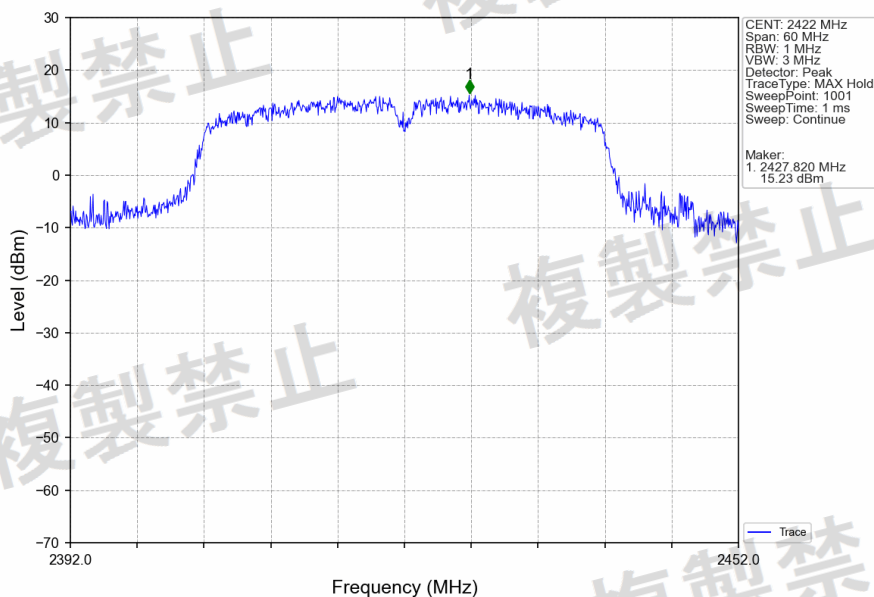


802.11n(HT20) 2472MHz Ant1 (SISO) NTN

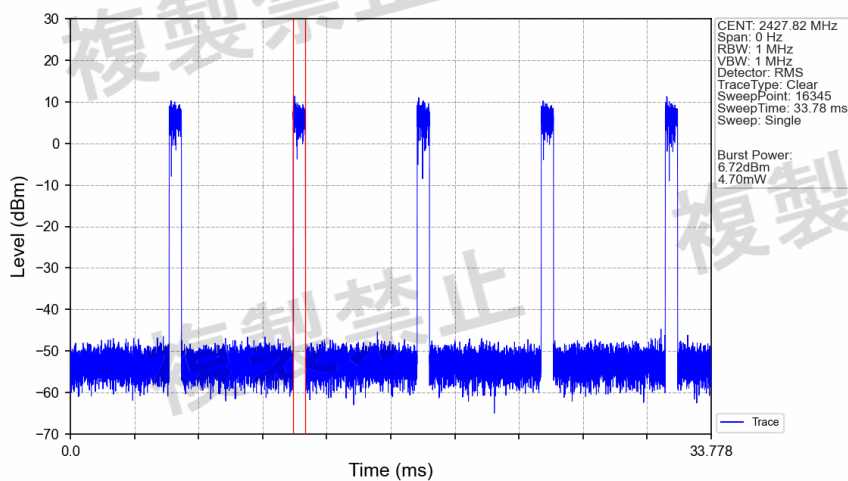


Burst No.	1	2	3	4	5
Length (ms)	1.302	1.302	1.300	1.300	1.302
Power(dBm)	8.60	8.60	8.61	8.61	8.60
Power(mW)	7.242	7.251	7.260	7.259	7.248
Remark	/	/	Max	/	/

802.11n(HT40) 2422MHz Ant1 (SISO) NTN

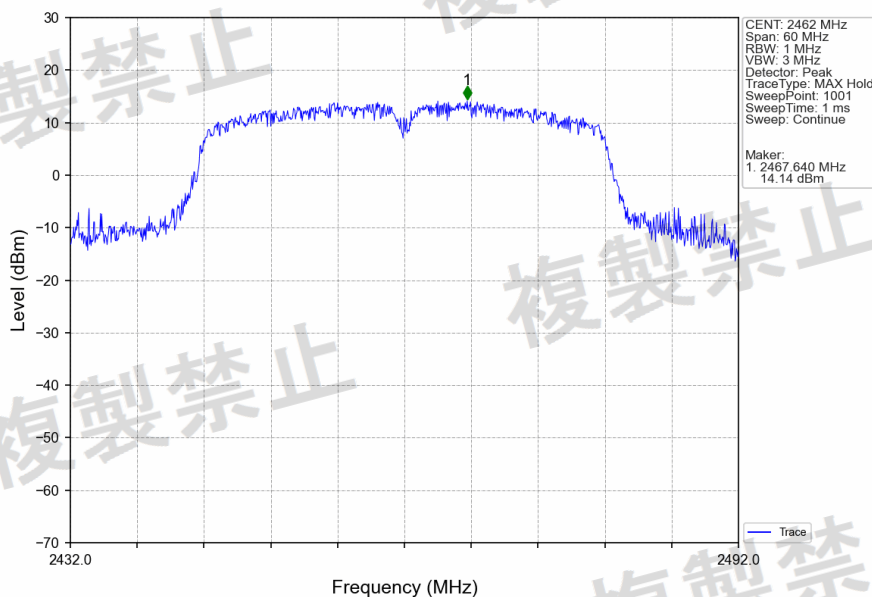


802.11n(HT40) 2422MHz Ant1 (SISO) NTN

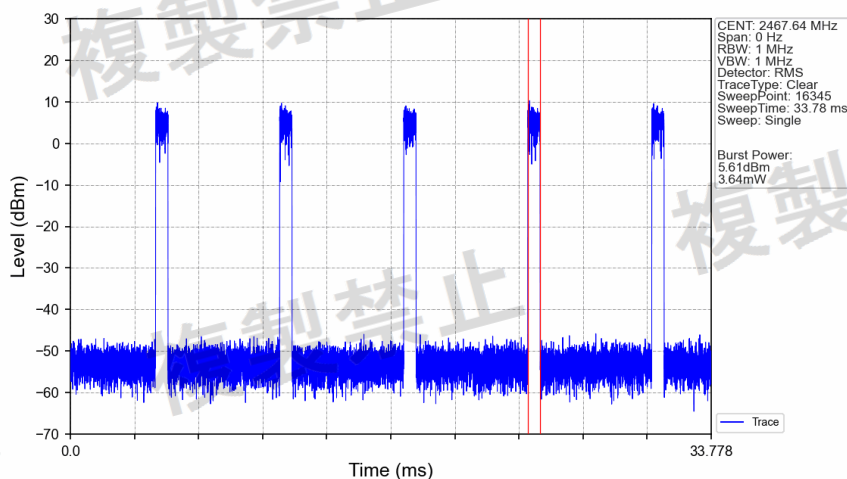


Burst No.	1	2	3	4	5
Length (ms)	0.651	0.649	0.649	0.651	0.649
Power(dBm)	6.71	6.72	6.72	6.70	6.72
Power(mW)	4.684	4.701	4.697	4.681	4.695
Remark	/	Max	/	/	/

802.11n(HT40) 2462MHz Ant1 (SISO) NTN

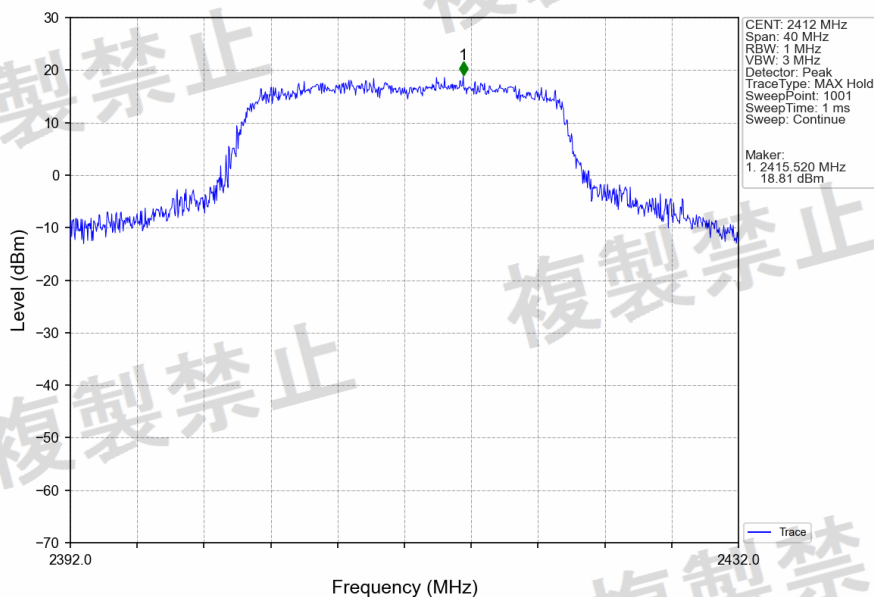


802.11n(HT40) 2462MHz Ant1 (SISO) NTN

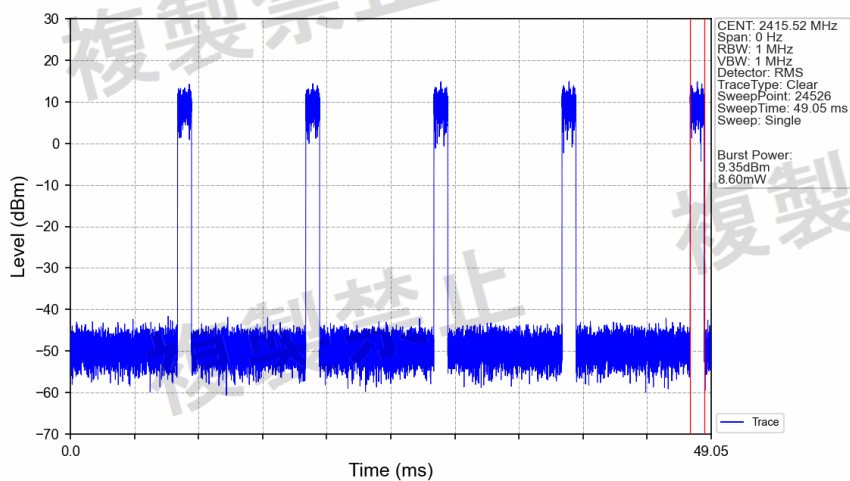


Burst No.	1	2	3	4	5
Length (ms)	0.649	0.649	0.649	0.649	0.649
Power(dBm)	5.61	5.61	5.61	5.61	5.60
Power(mW)	3.639	3.638	3.642	3.642	3.631
Remark	/	/	/	Max	/

802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN

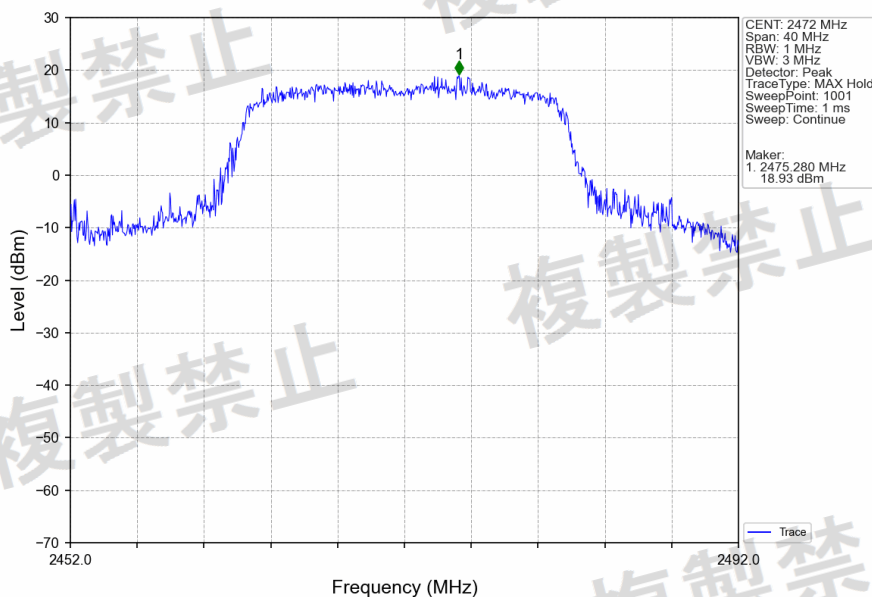


802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN

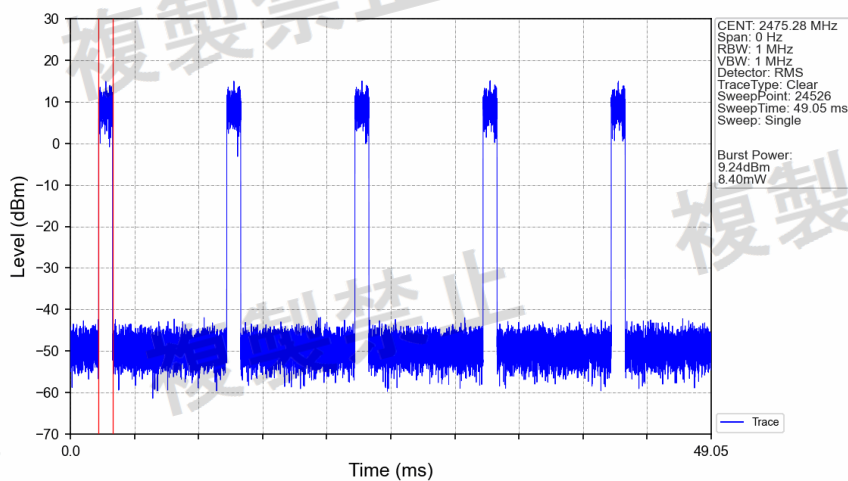


Burst No.	1	2	3	4	5
Length (ms)	1.068	1.068	1.066	1.066	1.066
Power(dBm)	9.34	9.34	9.34	9.34	9.35
Power(mW)	8.589	8.583	8.590	8.600	8.604
Remark	/	/	/	/	Max

802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN

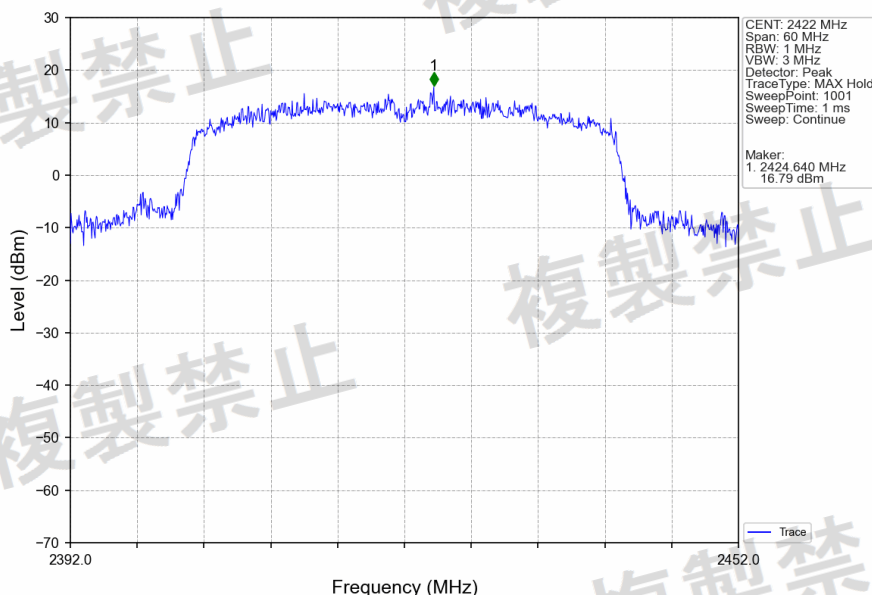


802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN

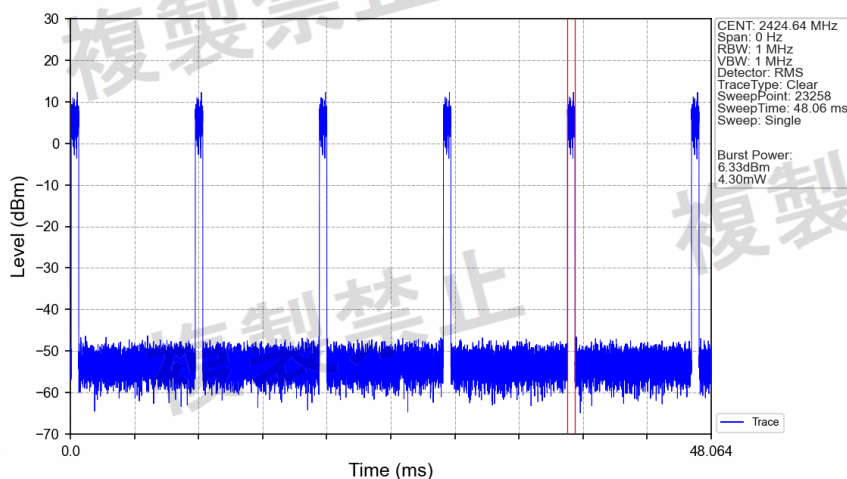


Burst No.	1	2	3	4	5
Length (ms)	1.066	1.068	1.068	1.068	1.068
Power(dBm)	9.24	9.23	9.23	9.22	9.22
Power(mW)	8.395	8.375	8.373	8.365	8.360
Remark	Max	/	/	/	/

802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN

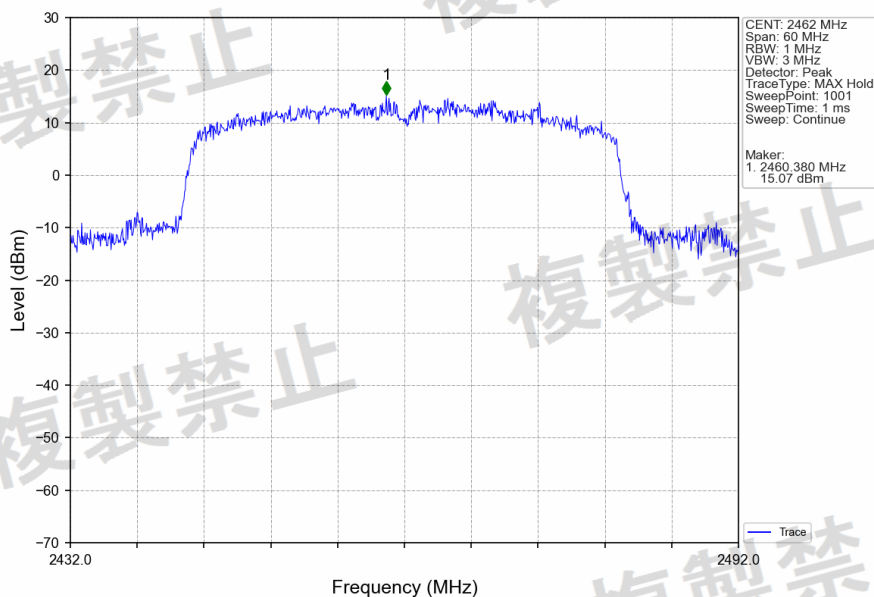


802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN

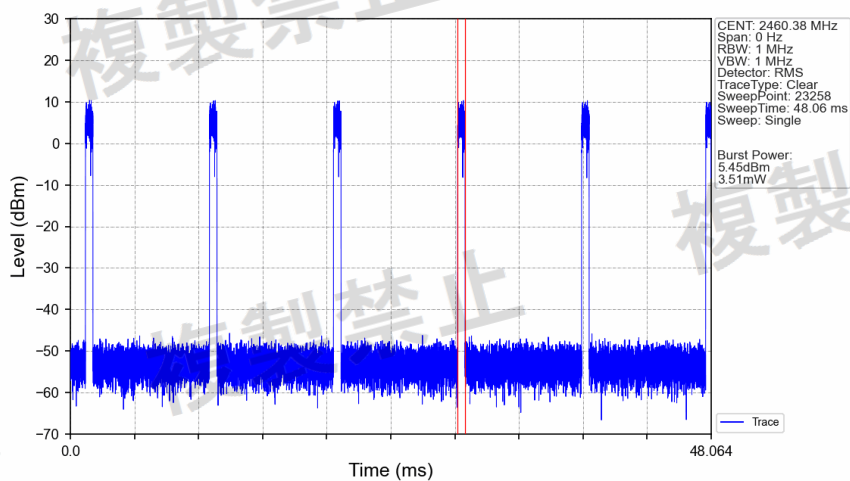


Burst No.	1	2	3	4	5	6
Length (ms)	0.564	0.564	0.564	0.564	0.564	0.564
Power(dBm)	6.33	6.32	6.32	6.33	6.33	6.32
Power(mW)	4.292	4.287	4.290	4.293	4.296	4.286
Remark	/	/	/	/	Max	/

802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



Burst No.	1	2	3	4	5
Length (ms)	0.564	0.564	0.564	0.564	0.564
Power(dBm)	5.45	5.45	5.45	5.45	5.45
Power(mW)	3.506	3.504	3.504	3.507	3.504
Remark	/	/	/	Max	/

5. Spurious Emission Intensity

5.1 Test Result

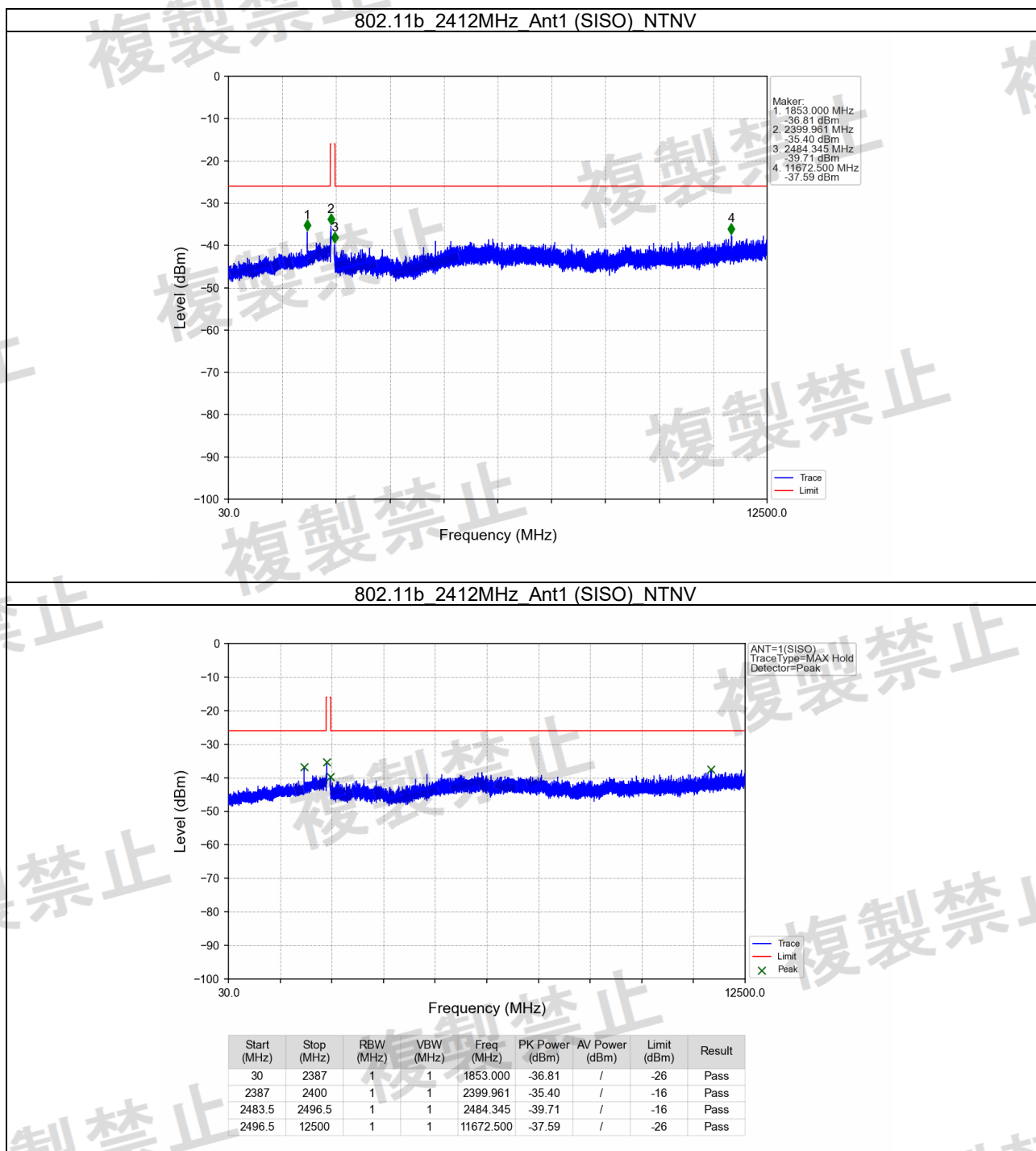
5.1.1 TxSe_NTNV

NTNV														
Mode	TX Type	Freq. (MHz)	RU	RU Pos	ANT	Freq. Range		Marker				Limit (uW /MHz)	Verdict	
						Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)			AV Power (uW /MHz)
802.11b	SISO	2412	/	/	1	30	2387	1853	-36.81	0.208	/	/	2.5	Pass
						2387	2400	2399.961	-35.40	0.288	/	/	25	Pass
						2483.5	2496.5	2484.345	-39.71	0.107	/	/	25	Pass
						2496.5	12500	11672.5	-37.59	0.174	/	/	2.5	Pass
		2472	/	/	1	30	2387	1851.5	-36.01	0.251	/	/	2.5	Pass
						2387	2400	2393.071	-40.20	0.095	/	/	25	Pass
						2483.5	2496.5	2484.722	-31.43	0.719	/	/	25	Pass
						2496.5	12500	6030.5	-37.58	0.175	/	/	2.5	Pass
802.11g	SISO	2412	/	/	1	30	2387	1852.5	-33.67	0.430	/	/	2.5	Pass
						2387	2400	2399.402	-14.95	31.989	-35.03	0.314	25	Pass
						2483.5	2496.5	2487.738	-35.74	0.267	/	/	25	Pass
						2496.5	12500	12364.5	-33.75	0.422	/	/	2.5	Pass
		2472	/	/	1	30	2387	1852	-36.75	0.211	/	/	2.5	Pass
						2387	2400	2394.072	-40.57	0.088	/	/	25	Pass
						2483.5	2496.5	2483.617	-7.79	166.341	-23.94	4.036	25	Pass
						2496.5	12500	12489	-37.89	0.163	/	/	2.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	30	2387	1853.5	-36.53	0.222	/	/	2.5	Pass
						2387	2400	2399.688	-15.02	31.477	-34.37	0.366	25	Pass
						2483.5	2496.5	2490.117	-38.69	0.135	/	/	25	Pass
						2496.5	12500	12356.5	-37.75	0.168	/	/	2.5	Pass
		2472	/	/	1	30	2387	1852	-36.12	0.244	/	/	2.5	Pass
						2387	2400	2397.764	-39.99	0.100	/	/	25	Pass
						2483.5	2496.5	2484.033	-6.73	212.324	-23.89	4.083	25	Pass
						2496.5	12500	2497	-34.69	0.340	/	/	2.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	30	2387	2386	-35.77	0.265	/	/	2.5	Pass
						2387	2400	2396.334	-24.30	3.715	/	/	25	Pass
						2483.5	2496.5	2483.682	-26.80	2.089	/	/	25	Pass
						2496.5	12500	12147.5	-37.77	0.167	/	/	2.5	Pass
		2462	/	/	1	30	2387	1855	-36.71	0.213	/	/	2.5	Pass
						2387	2400	2396.919	-31.63	0.687	/	/	25	Pass
						2483.5	2496.5	2483.604	-19.38	11.535	/	/	25	Pass
						2496.5	12500	2497.5	-33.96	0.402	/	/	2.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	30	2387	1853	-36.07	0.247	/	/	2.5	Pass
						2387	2400	2399.623	-18.81	13.152	-37.10	0.195	25	Pass
						2483.5	2496.5	2484.514	-40.02	0.100	/	/	25	Pass
						2496.5	12500	12002	-36.41	0.229	/	/	2.5	Pass
		2472	SU	/	1	30	2387	1851.5	-35.02	0.315	/	/	2.5	Pass
						2387	2400	2397.517	-40.57	0.088	/	/	25	Pass
						2483.5	2496.5	2483.656	-9.17	121.060	-25.32	2.938	25	Pass
						2496.5	12500	2497	-33.89	0.408	/	/	2.5	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	30	2387	2386.5	-35.49	0.282	/	/	2.5	Pass
						2387	2400	2399.22	-23.05	4.955	/	/	25	Pass

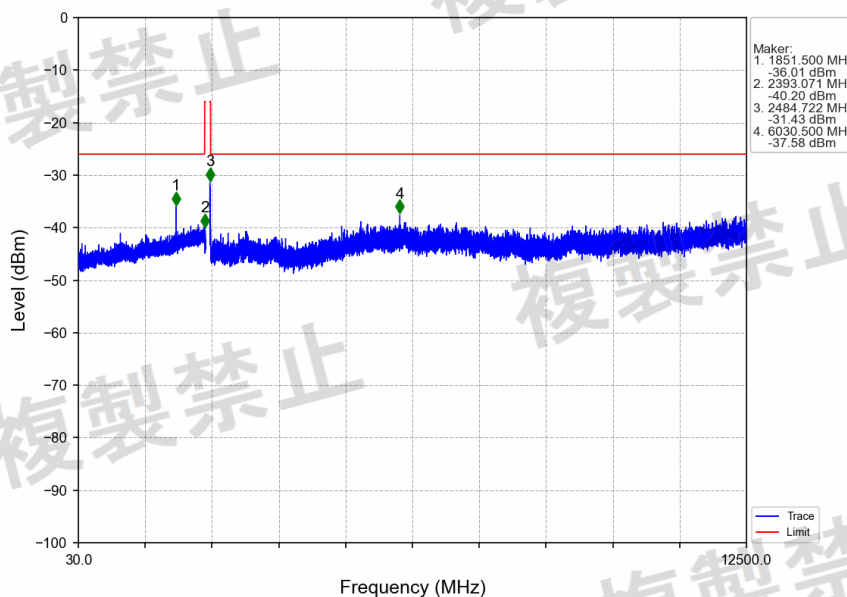
						2483.5	2496.5	2486.269	-27.65	1.718	/	/	25	Pass
						2496.5	12500	11828.5	-37.74	0.168	/	/	2.5	Pass
						30	2387	1854.5	-36.78	0.210	/	/	2.5	Pass
						2387	2400	2396.802	-30.62	0.867	/	/	25	Pass
						2483.5	2496.5	2490.156	-19.30	11.749	/	/	25	Pass
						2496.5	12500	2498	-26.32	2.333	-41.65	0.068	2.5	Pass

5.2 Test Graph

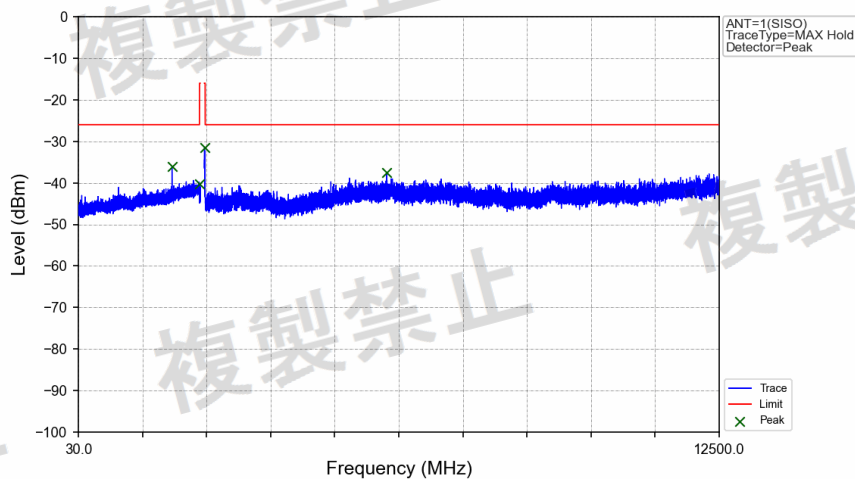
5.2.1 TxSe_NTNV



802.11b 2472MHz Ant1 (SISO) NTN

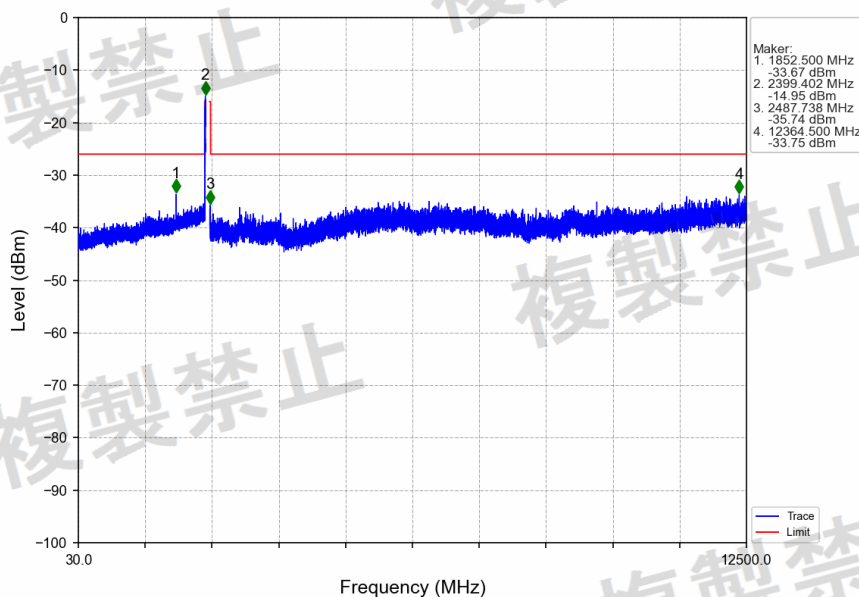


802.11b 2472MHz Ant1 (SISO) NTN

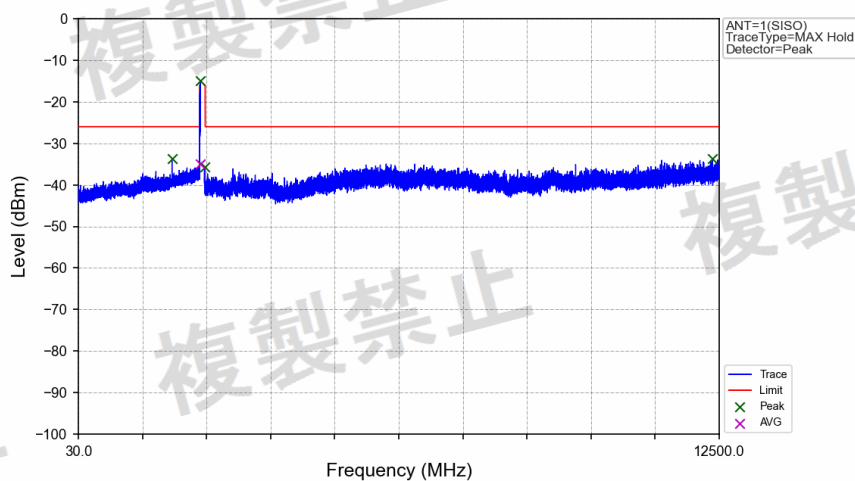


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1851.500	-36.01	/	-26	Pass
2387	2400	1	1	2393.071	-40.20	/	-16	Pass
2483.5	2496.5	1	1	2484.722	-31.43	/	-16	Pass
2496.5	12500	1	1	6030.500	-37.58	/	-26	Pass

802.11g_2412MHz_Ant1 (SISO) NTN

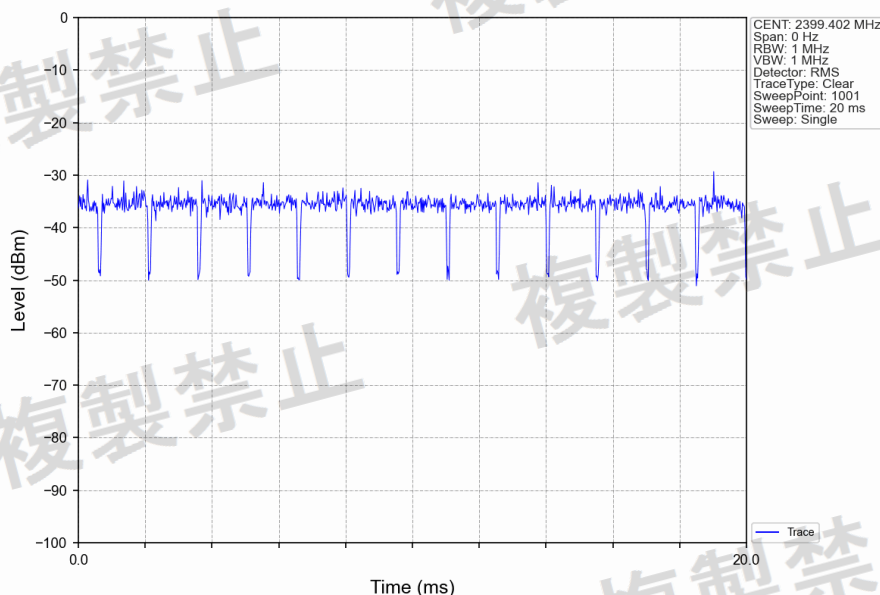


802.11g_2412MHz_Ant1 (SISO) NTN

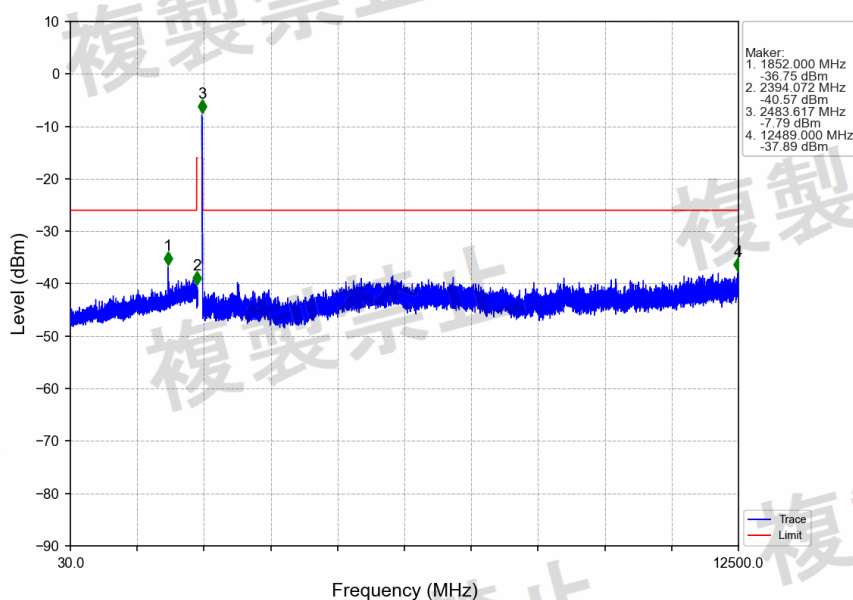


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1852.500	-33.67	/	-26	Pass
2387	2400	1	1	2399.402	-14.95	-35.03	-16	Pass
2483.5	2496.5	1	1	2487.738	-35.74	/	-16	Pass
2496.5	12500	1	1	12364.500	-33.75	/	-26	Pass

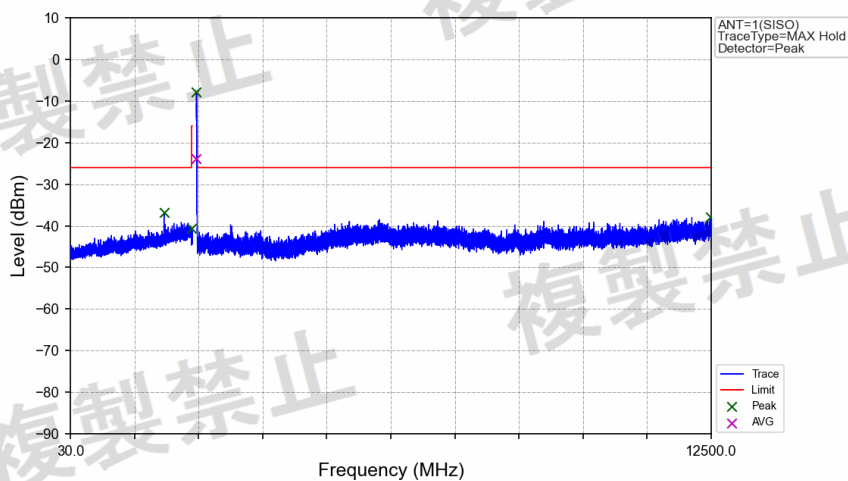
802.11g_2412MHz_Ant1 (SISO) NTN



802.11g_2472MHz_Ant1 (SISO) NTN

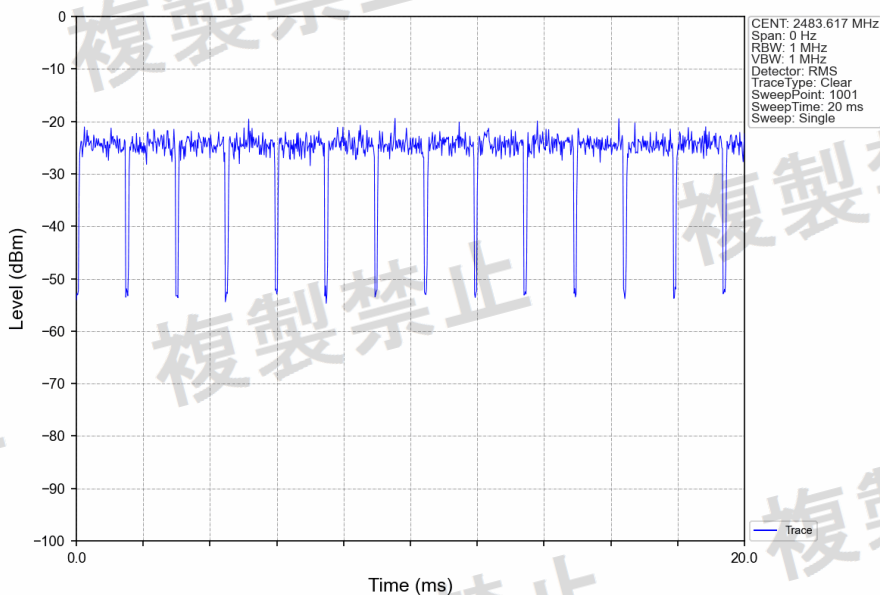


802.11g_2472MHz_Ant1 (SISO) NTN

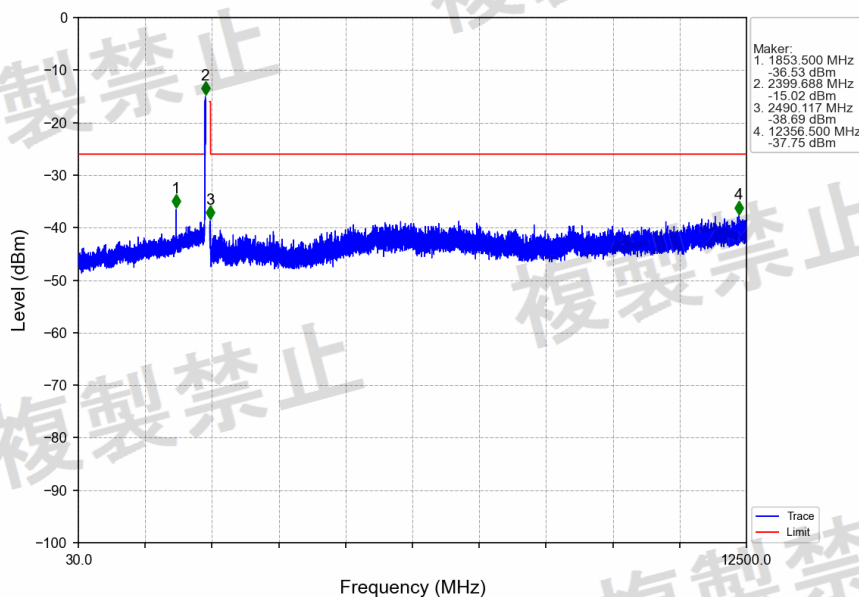


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1852.000	-36.75	/	-26	Pass
2387	2400	1	1	2394.072	-40.57	/	-16	Pass
2483.5	2496.5	1	1	2483.617	-7.79	-23.94	-16	Pass
2496.5	12500	1	1	12489.000	-37.89	/	-26	Pass

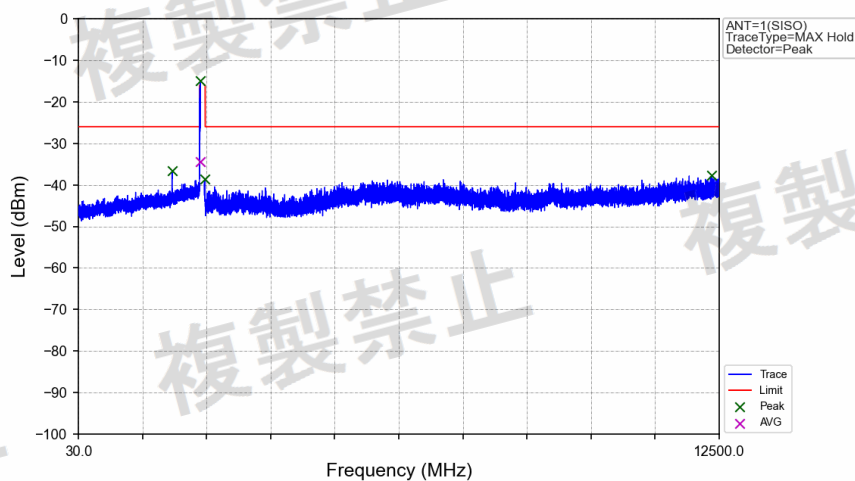
802.11g_2472MHz_Ant1 (SISO) NTN



802.11n(HT20) 2412MHz Ant1 (SISO) NTN

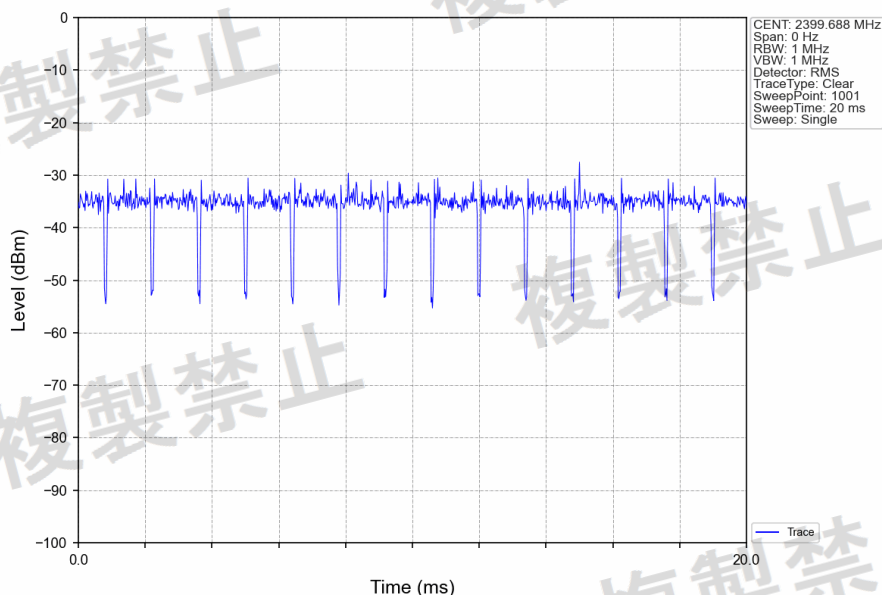


802.11n(HT20) 2412MHz Ant1 (SISO) NTN

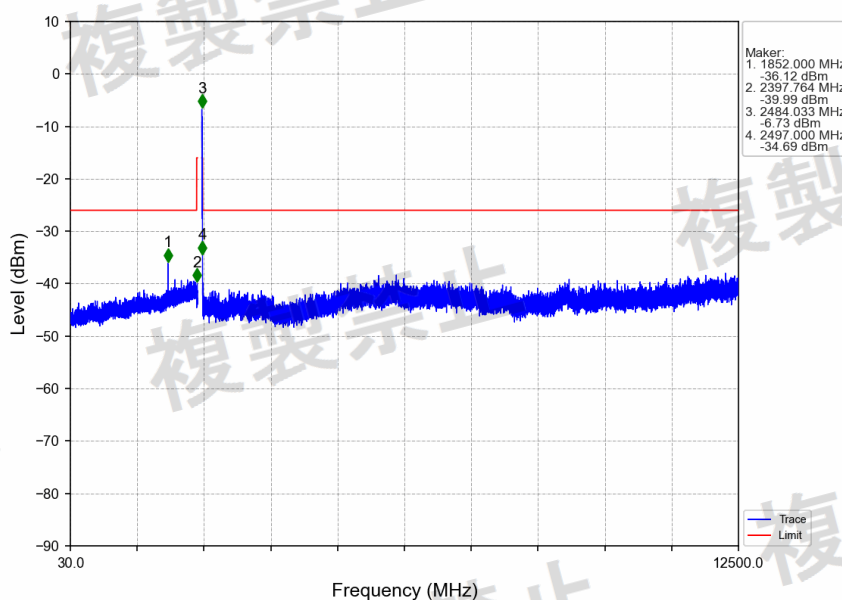


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1853.500	-36.53	/	-26	Pass
2387	2400	1	1	2399.688	-15.02	-34.37	-16	Pass
2483.5	2496.5	1	1	2490.117	-38.69	/	-16	Pass
2496.5	12500	1	1	12356.500	-37.75	/	-26	Pass

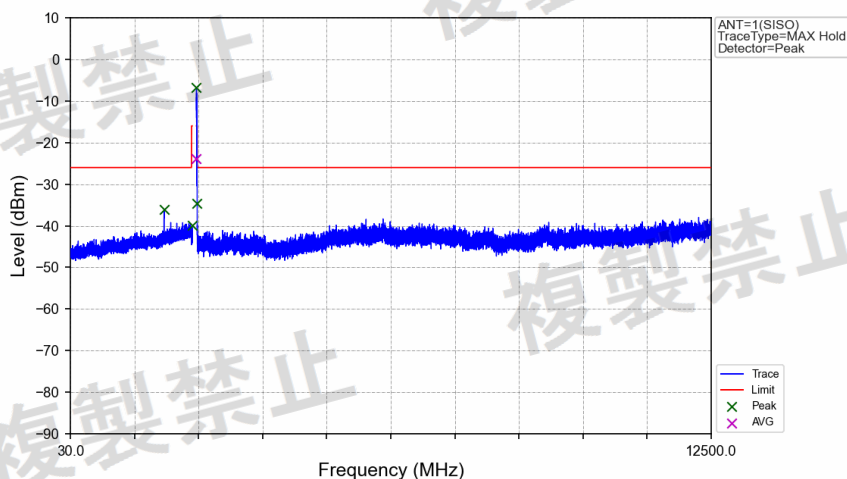
802.11n(HT20) 2412MHz Ant1 (SISO) NTN



802.11n(HT20) 2472MHz Ant1 (SISO) NTN

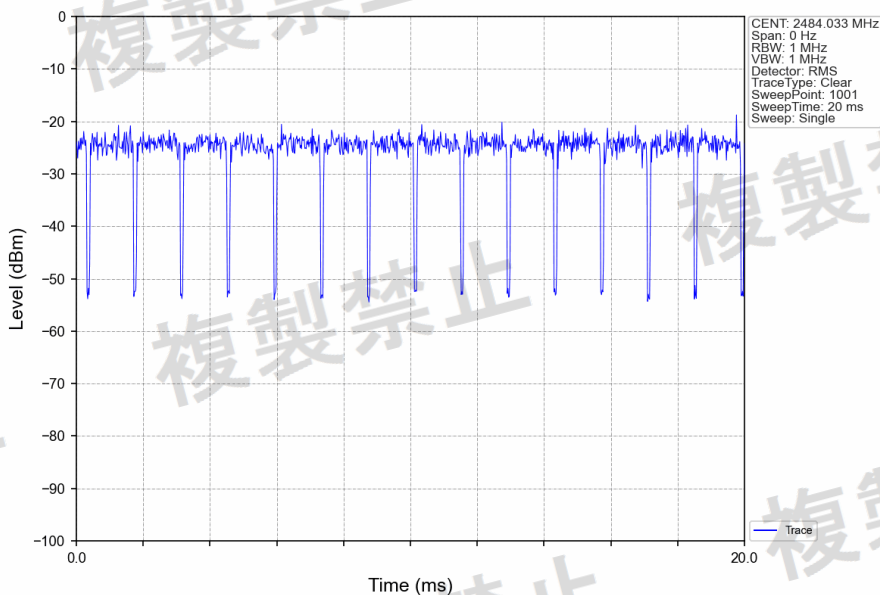


802.11n(HT20) 2472MHz Ant1 (SISO) NTN

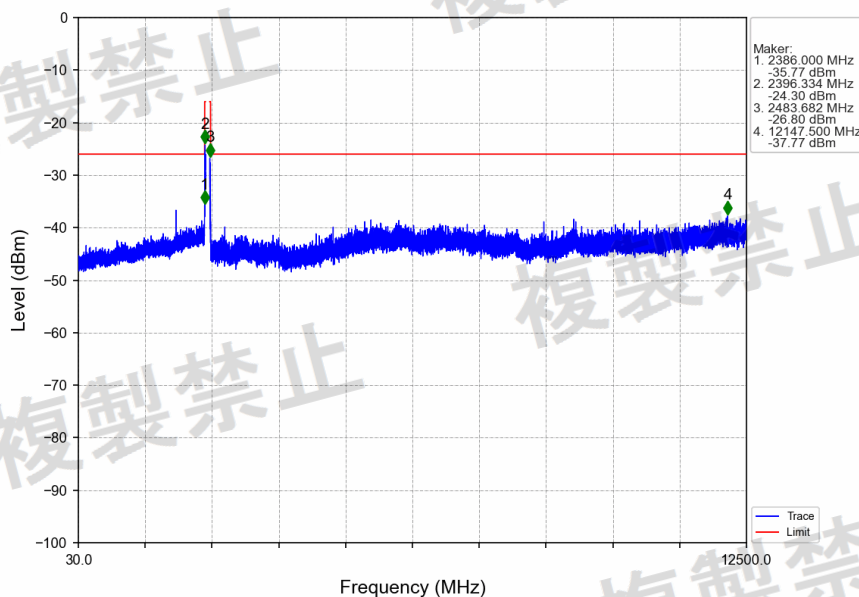


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1852.000	-36.12	/	-26	Pass
2387	2400	1	1	2397.764	-39.99	/	-16	Pass
2483.5	2496.5	1	1	2484.033	-6.73	-23.89	-16	Pass
2496.5	12500	1	1	2497.000	-34.69	/	-26	Pass

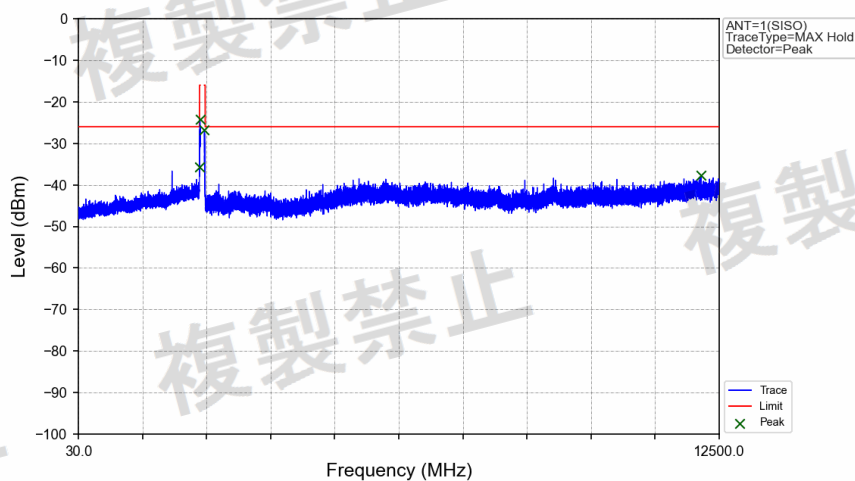
802.11n(HT20) 2472MHz Ant1 (SISO) NTN



802.11n(HT40) 2422MHz Ant1 (SISO) NTN

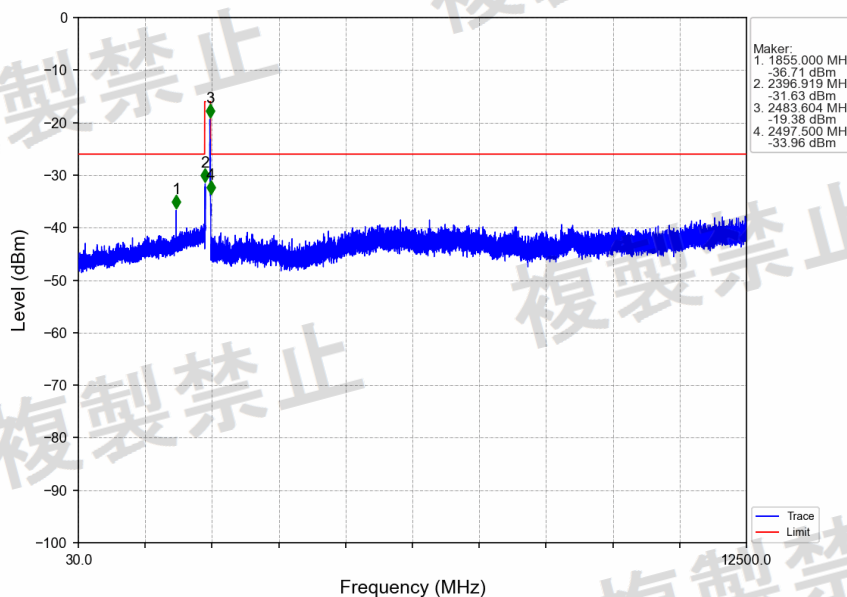


802.11n(HT40) 2422MHz Ant1 (SISO) NTN

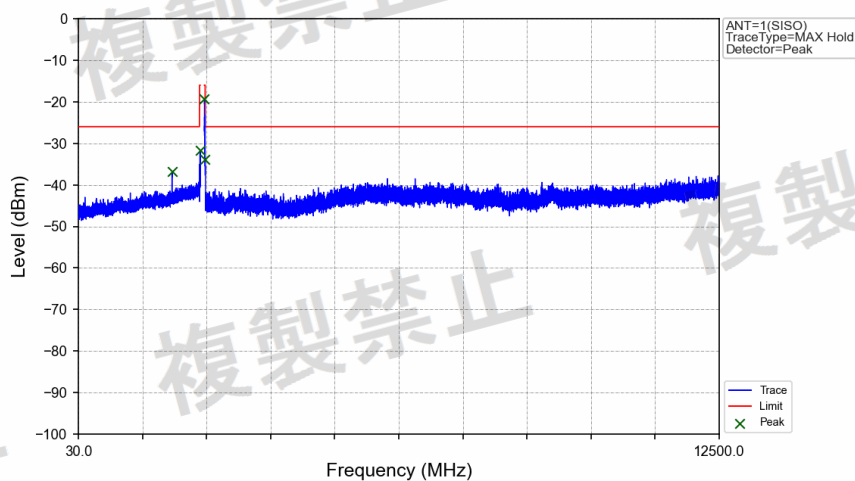


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.000	-35.77	/	-26	Pass
2387	2400	1	1	2396.334	-24.30	/	-16	Pass
2483.5	2496.5	1	1	2483.682	-26.80	/	-16	Pass
2496.5	12500	1	1	12147.500	-37.77	/	-26	Pass

802.11n(HT40) 2462MHz Ant1 (SISO) NTN

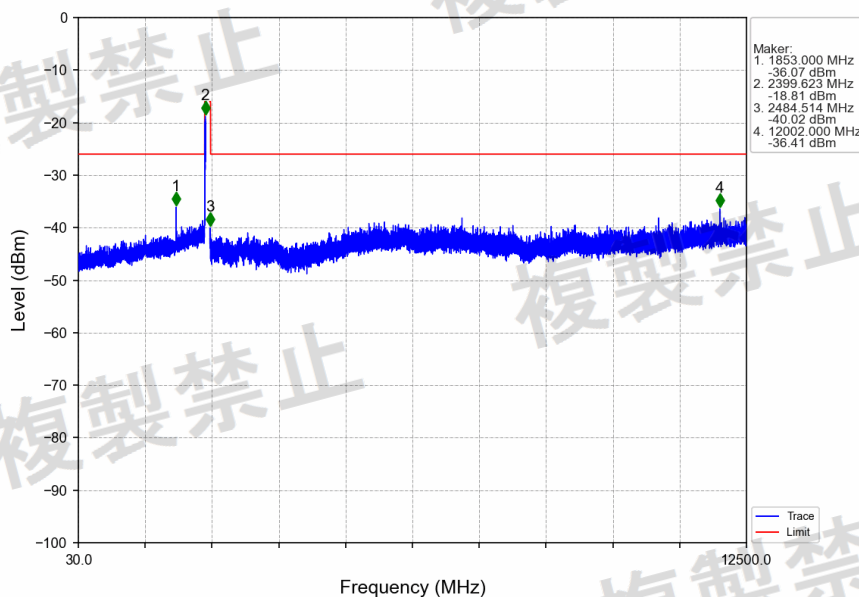


802.11n(HT40) 2462MHz Ant1 (SISO) NTN

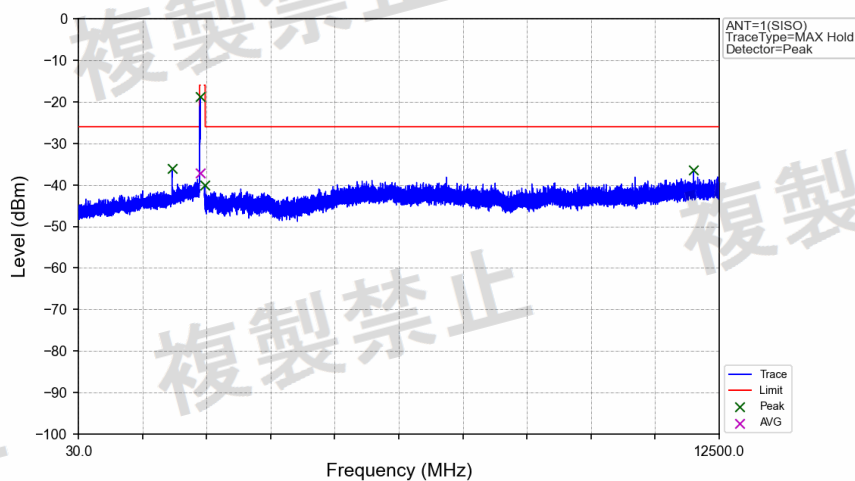


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1855.000	-36.71	/	-26	Pass
2387	2400	1	1	2396.919	-31.63	/	-16	Pass
2483.5	2496.5	1	1	2483.604	-19.38	/	-16	Pass
2496.5	12500	1	1	2497.500	-33.96	/	-26	Pass

802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN

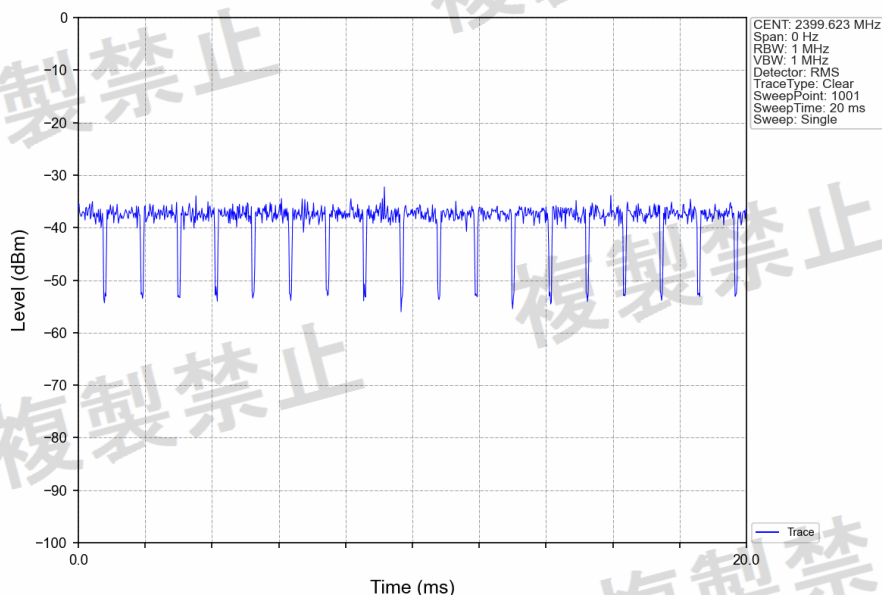


802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN

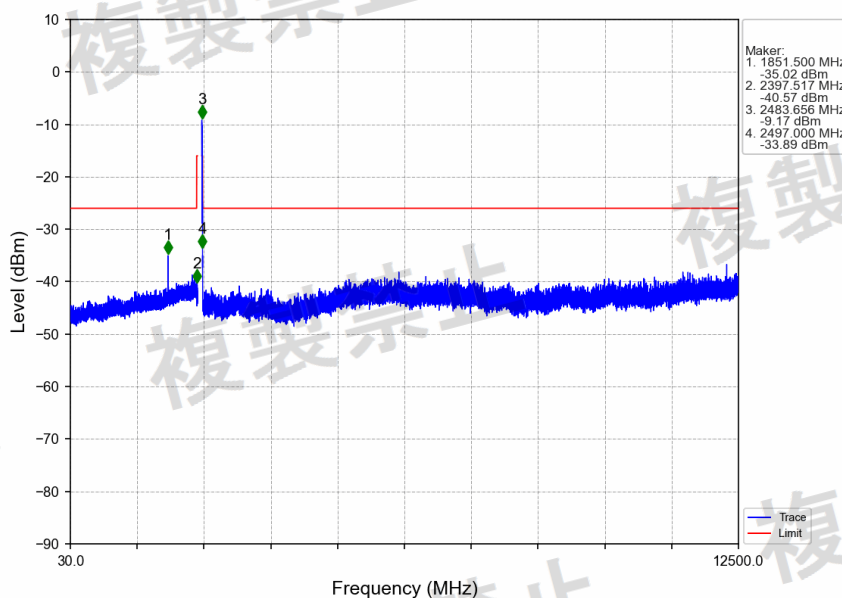


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1853.000	-36.07	/	-26	Pass
2387	2400	1	1	2399.623	-18.81	-37.10	-16	Pass
2483.5	2496.5	1	1	2484.514	-40.02	/	-16	Pass
2496.5	12500	1	1	12002.000	-36.41	/	-26	Pass

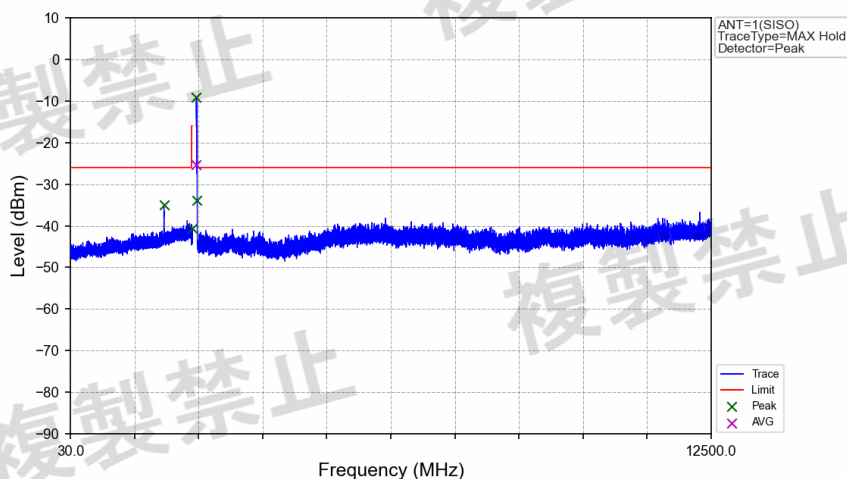
802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN



802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN

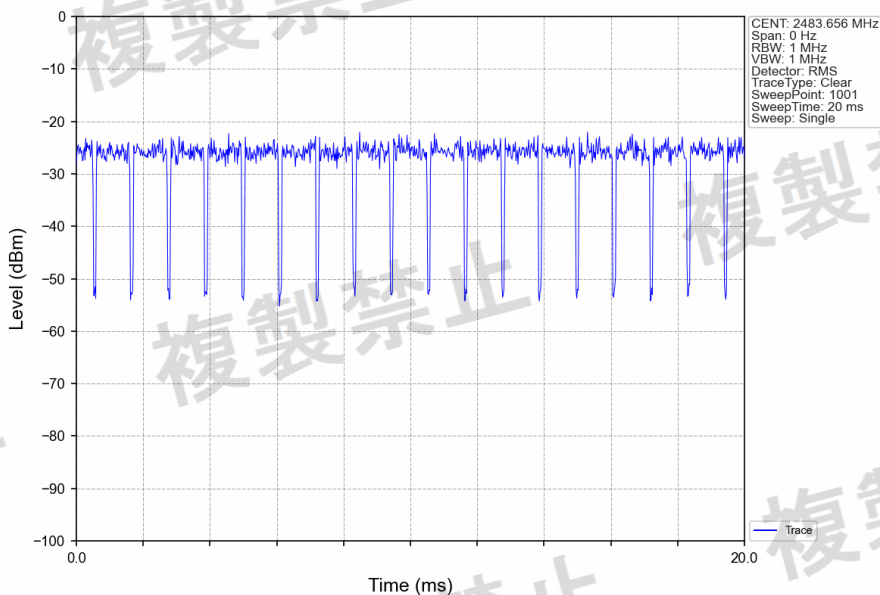


802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN

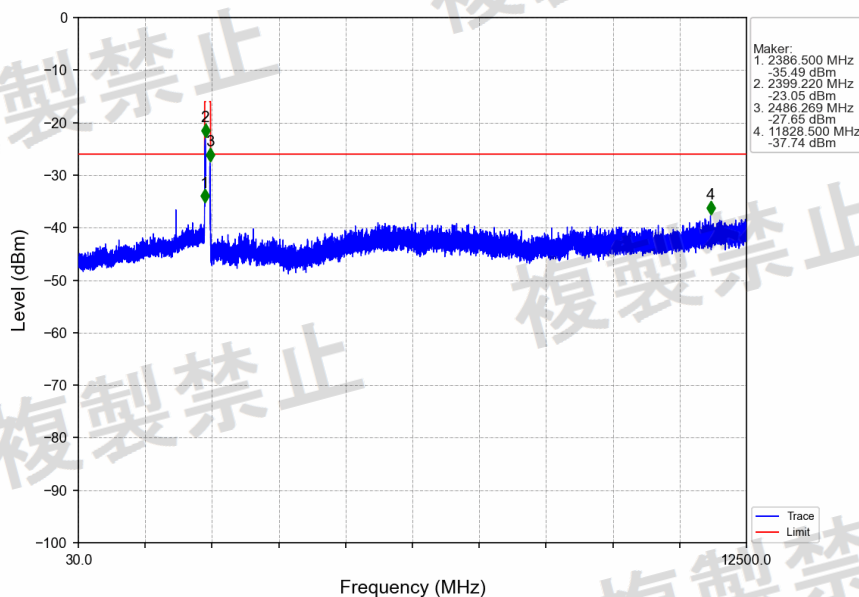


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1851.500	-35.02	/	-26	Pass
2387	2400	1	1	2397.517	-40.57	/	-16	Pass
2483.5	2496.5	1	1	2483.656	-9.17	-25.32	-16	Pass
2496.5	12500	1	1	2497.000	-33.89	/	-26	Pass

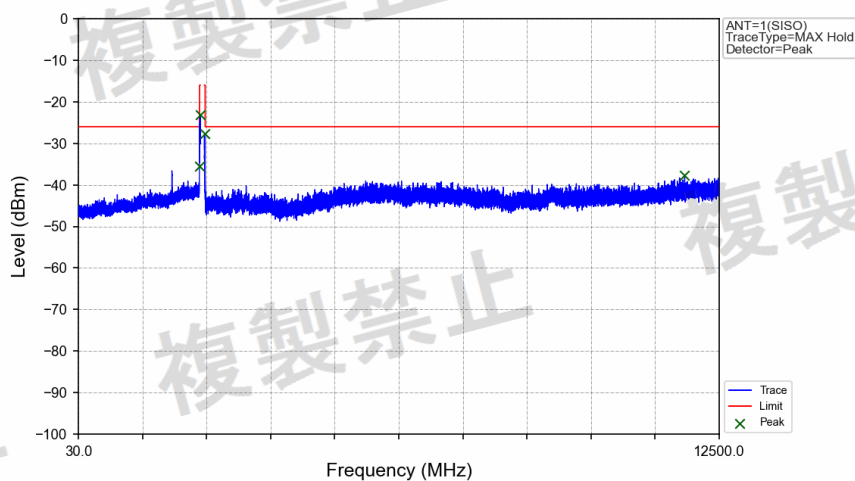
802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN

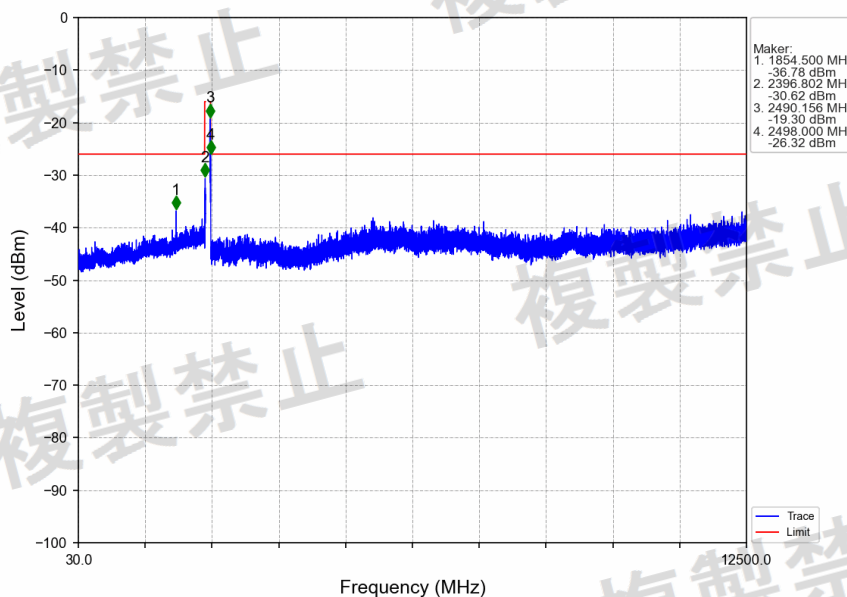


802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN

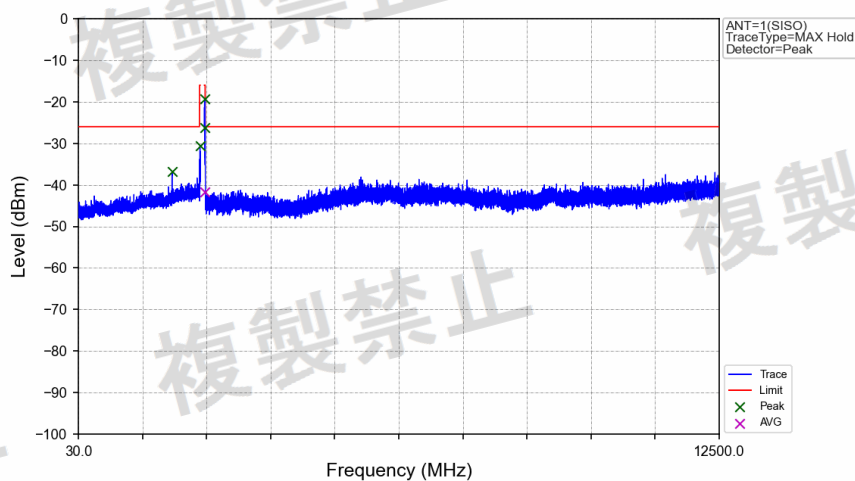


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.500	-35.49	/	-26	Pass
2387	2400	1	1	2399.220	-23.05	/	-16	Pass
2483.5	2496.5	1	1	2486.269	-27.65	/	-16	Pass
2496.5	12500	1	1	11828.500	-37.74	/	-26	Pass

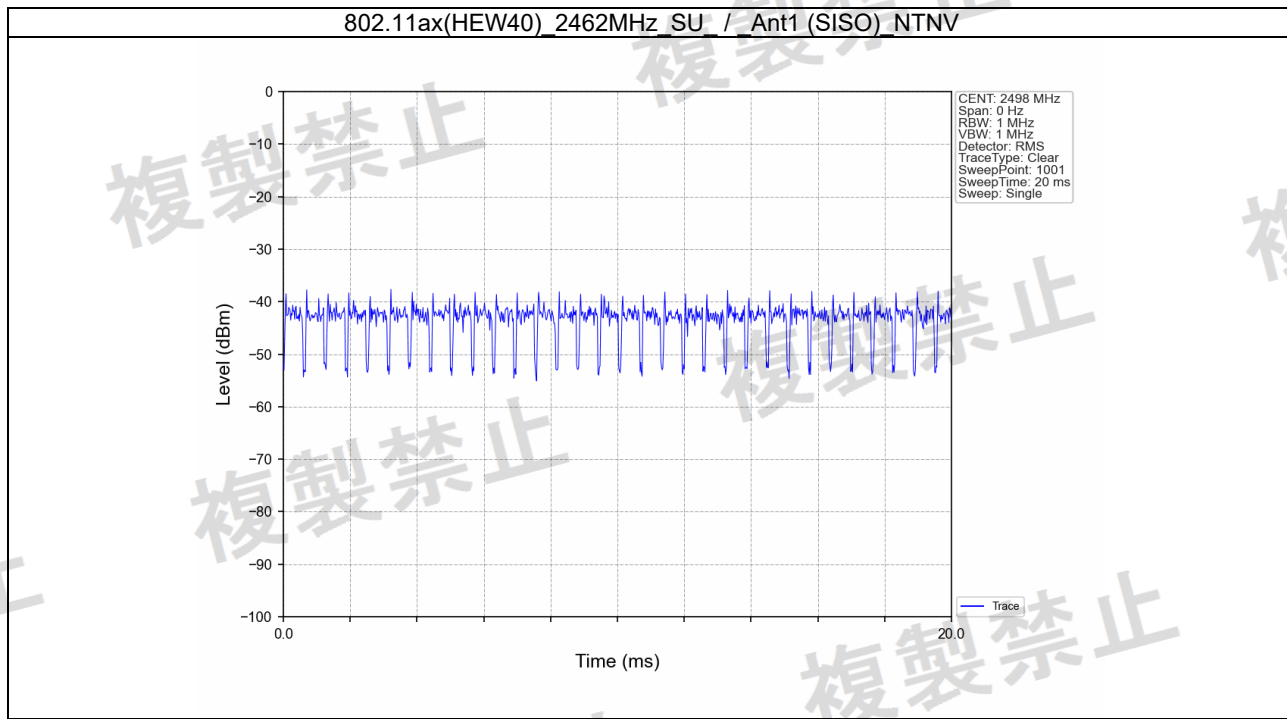
802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1854.500	-36.78	/	-26	Pass
2387	2400	1	1	2396.802	-30.62	/	-16	Pass
2483.5	2496.5	1	1	2490.156	-19.30	/	-16	Pass
2496.5	12500	1	1	2498.000	-26.32	-41.65	-26	Pass



6. Secondary Radiated Emission

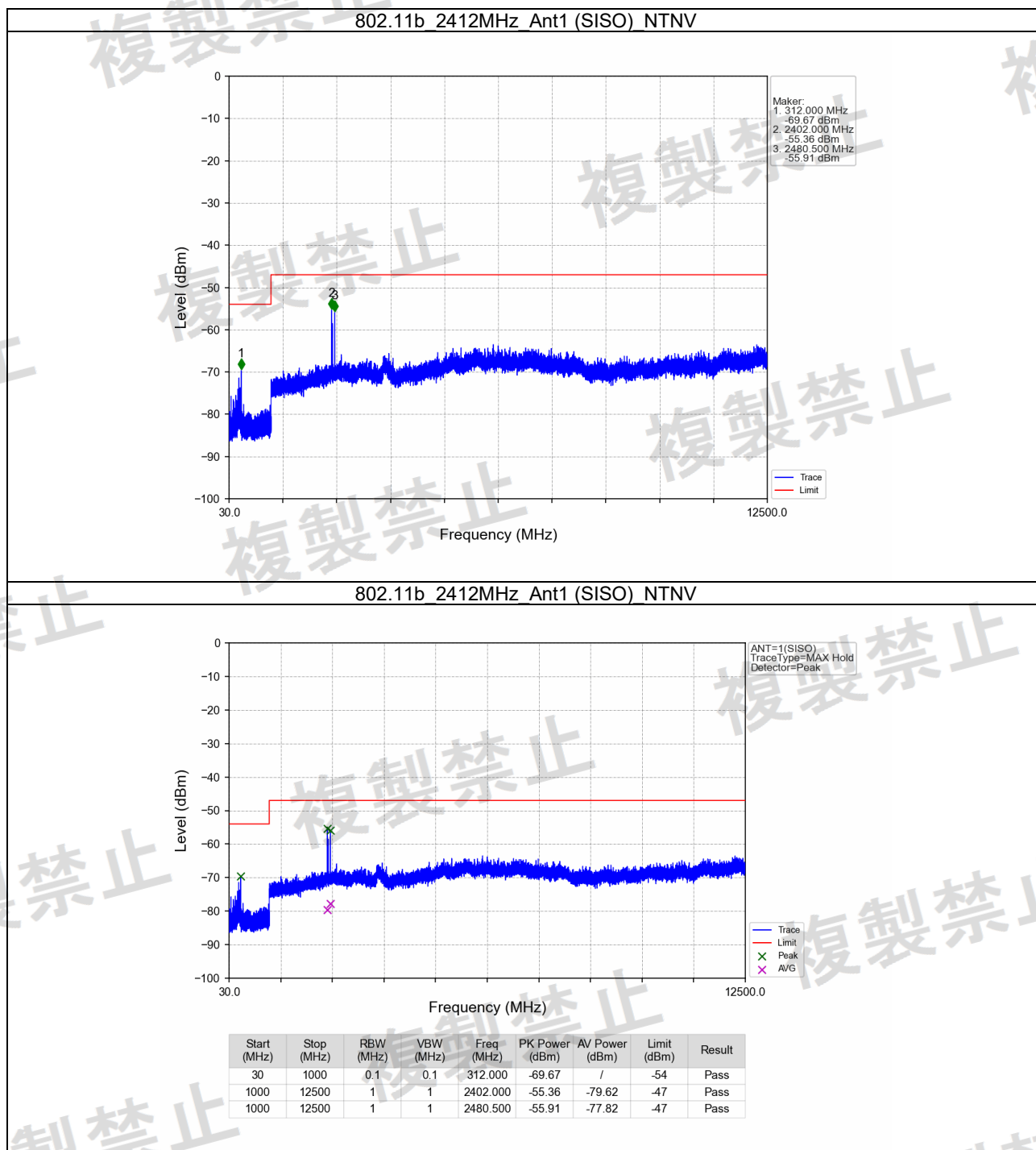
6.1 Test Result

6.1.1 RxSe_NTNV

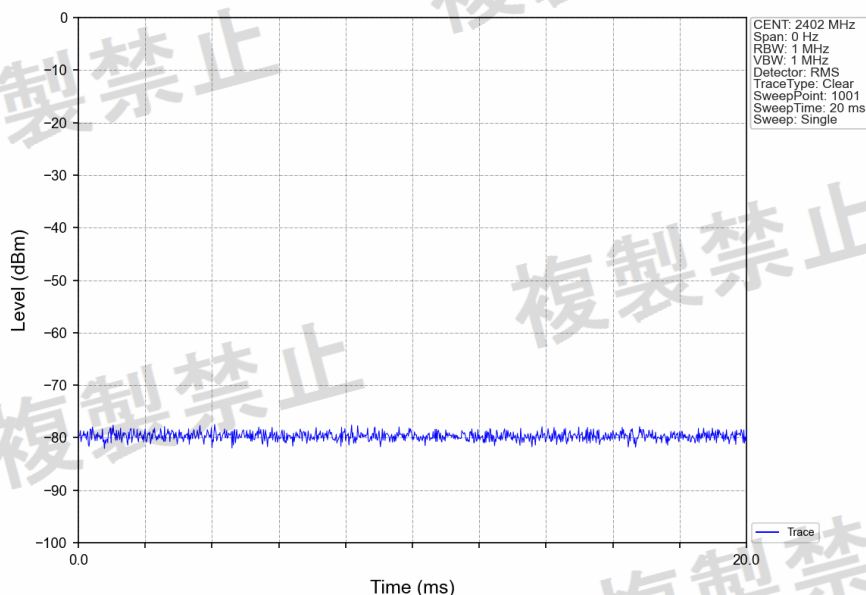
NTNV														
Mode	TX Type	Freq. (MHz)	RU	RU Pos	ANT	Freq. Range		Marker					Limit (nW)	Verdict
						Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
802.11b	SISO	2412	/	/	1	30	1000	312	-69.67	0.108	/	/	4	Pass
						1000	12500	2402	-55.36	2.911	-79.62	0.011	20	Pass
		2472	/	/	1	30	1000	312	-70.50	0.089	/	/	4	Pass
						1000	12500	2480.5	-55.91	2.564	-77.82	0.017	20	Pass
802.11g	SISO	2412	/	/	1	30	1000	312	-69.83	0.104	/	/	4	Pass
						1000	12500	2414	-47.41	18.155	-79.43	0.011	20	Pass
		2472	/	/	1	30	1000	312	-69.78	0.105	/	/	4	Pass
						1000	12500	2412	-55.49	2.825	-79.59	0.011	20	Pass
802.11n (HT20)	SISO	2412	/	/	1	30	1000	312	-70.55	0.088	/	/	4	Pass
						1000	12500	5747	-50.16	9.638	-55.33	2.931	20	Pass
		2472	/	/	1	30	1000	312	-70.38	0.092	/	/	4	Pass
						1000	12500	2402.5	-56.08	2.466	-79.60	0.011	20	Pass
802.11n (HT40)	SISO	2422	/	/	1	30	1000	312	-69.16	0.121	/	/	4	Pass
						1000	12500	2419	-50.69	8.531	-79.58	0.011	20	Pass
		2462	/	/	1	30	1000	312	-70.68	0.086	/	/	4	Pass
						1000	12500	2426.5	-51.75	6.683	-79.57	0.011	20	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	30	1000	312	-70.60	0.087	/	/	4	Pass
						1000	12500	2430	-51.95	6.383	-79.49	0.011	20	Pass
		2472	SU	/	1	30	1000	159.95	-53.68	4.285	-87.27	0.002	4	Pass
						1000	12500	3550	-46.18	24.099	-54.61	3.459	20	Pass
802.11ax (HEW40)	SISO	2422	SU	/	1	30	1000	312	-69.13	0.122	/	/	4	Pass
						1000	12500	2480.5	-59.43	1.140	/	/	20	Pass
		2462	SU	/	1	30	1000	312	-69.00	0.126	/	/	4	Pass
						1000	12500	12379	-62.82	0.522	/	/	20	Pass

6.2 Test Graph

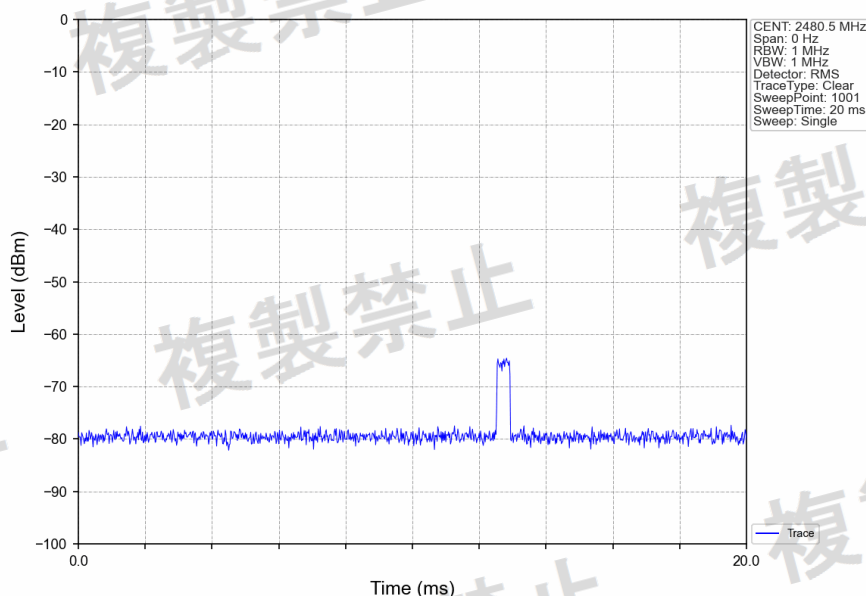
6.2.1 RxSe_NTNV



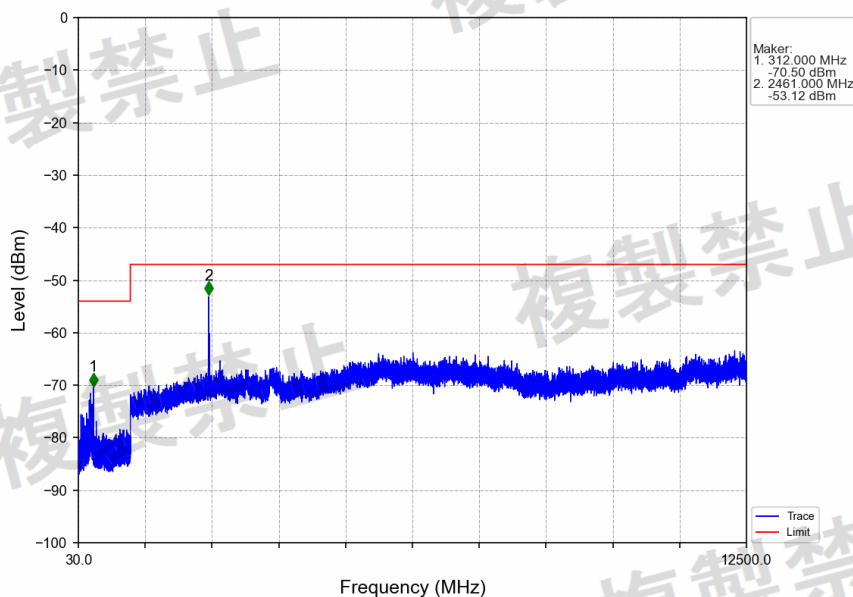
802.11b_2412MHz_Ant1 (SISO) NTN



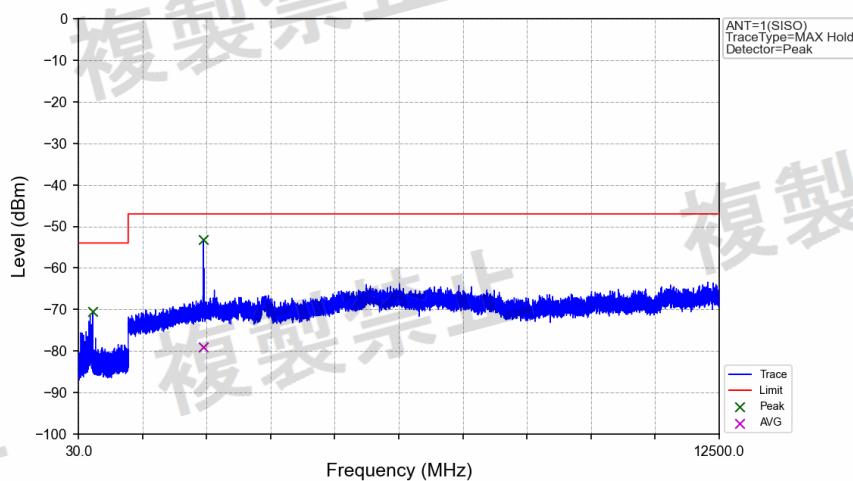
802.11b_2412MHz_Ant1 (SISO) NTN



802.11b_2472MHz_Ant1 (SISO) NTN

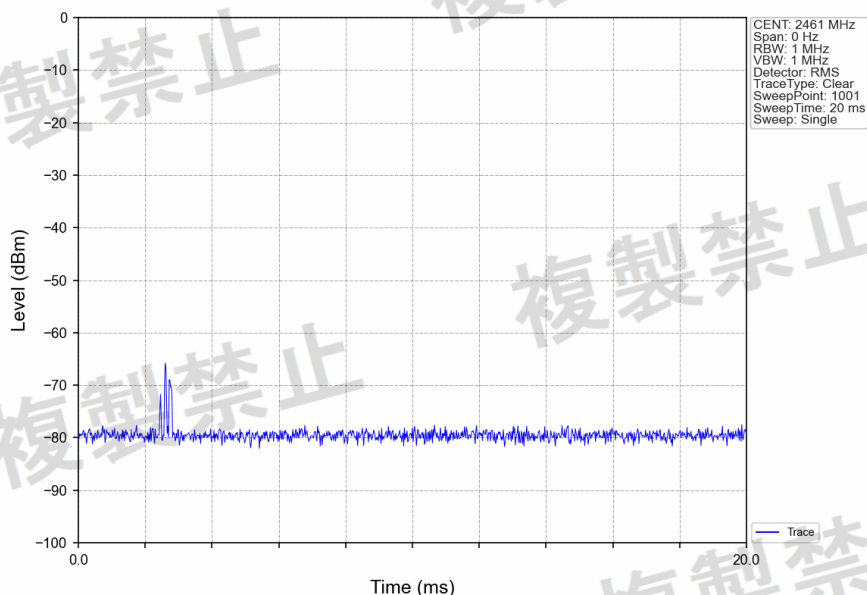


802.11b_2472MHz_Ant1 (SISO) NTN

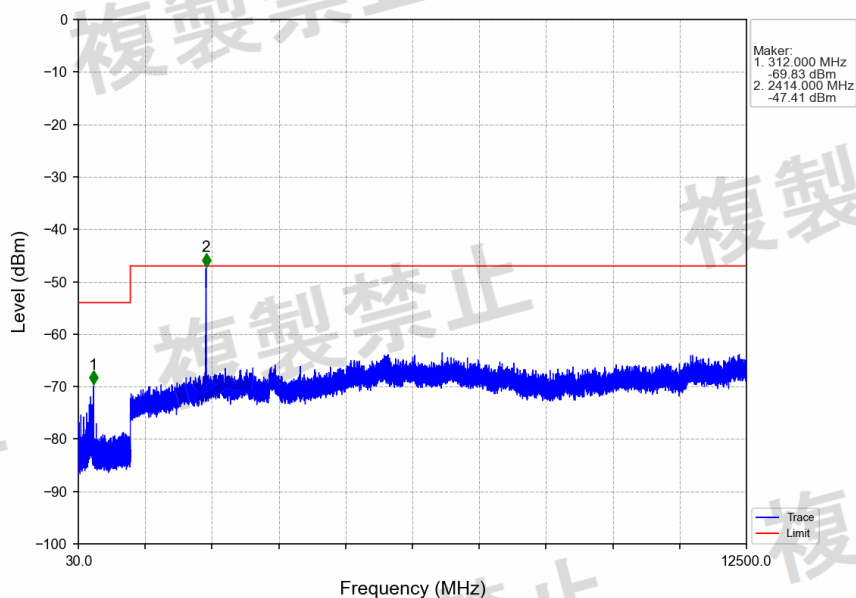


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-70.50	/	-54	Pass
1000	12500	1	1	2461.000	-53.12	-79.09	-47	Pass

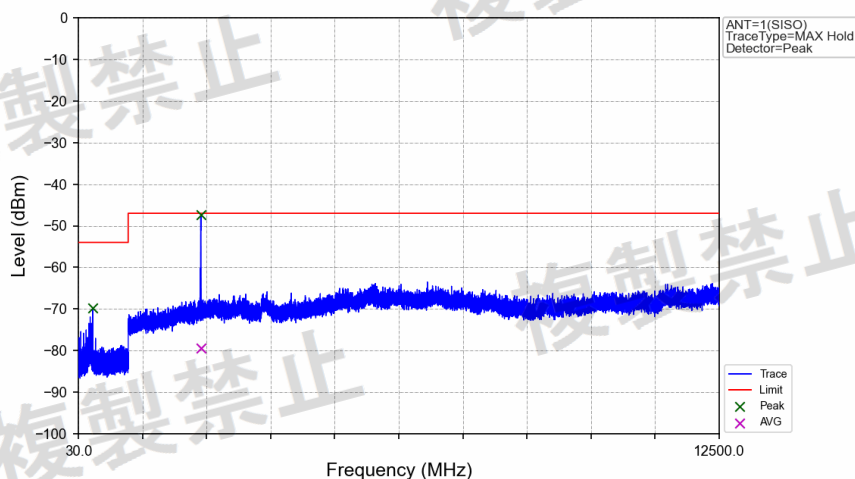
802.11b_2472MHz_Ant1 (SISO) NTN



802.11g_2412MHz_Ant1 (SISO) NTN

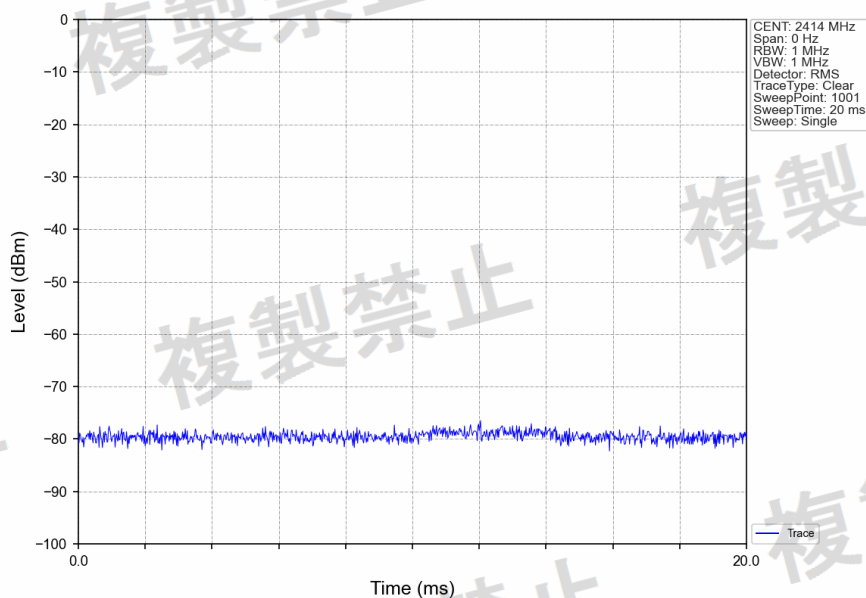


802.11g_2412MHz_Ant1 (SISO) NTN

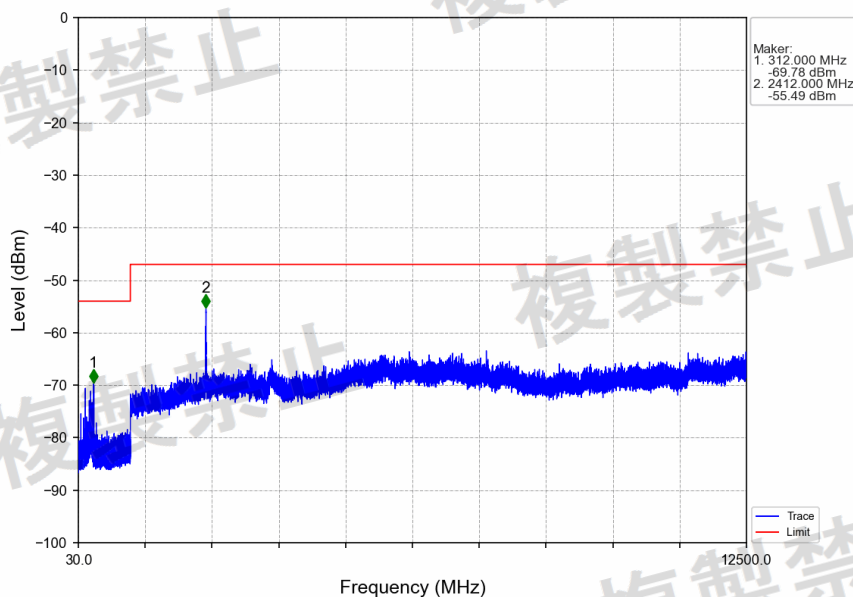


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-69.83	/	-54	Pass
1000	12500	1	1	2414.000	-47.41	-79.43	-47	Pass

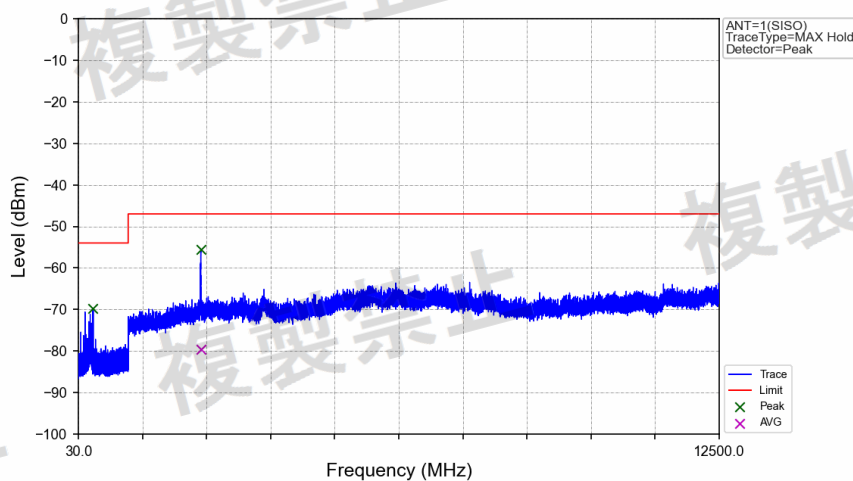
802.11g_2412MHz_Ant1 (SISO) NTN



802.11g_2472MHz_Ant1 (SISO) NTN

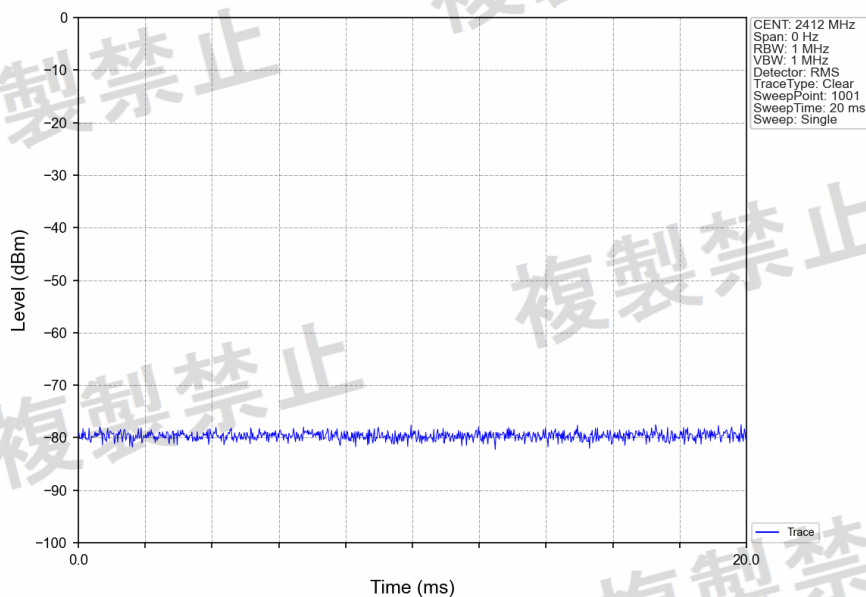


802.11g_2472MHz_Ant1 (SISO) NTN

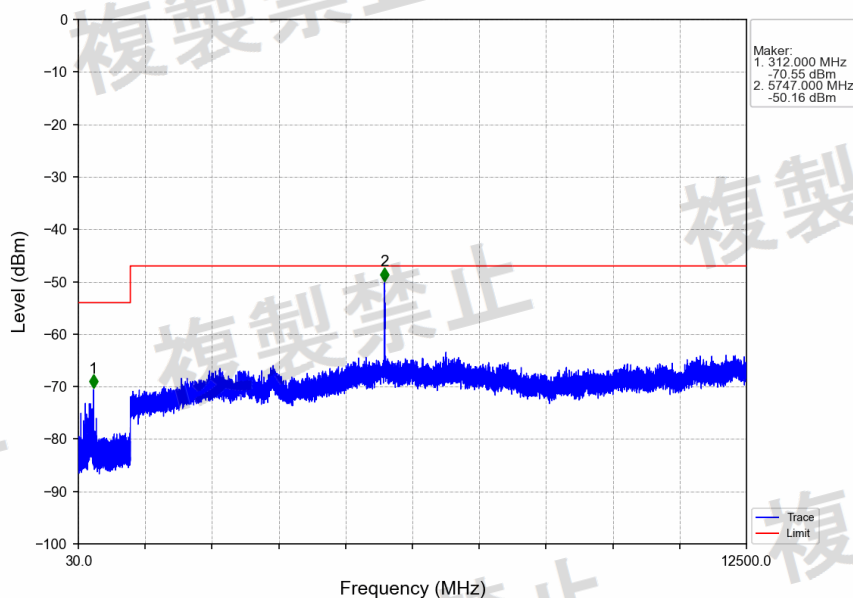


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-69.78	/	-54	Pass
1000	12500	1	1	2412.000	-55.49	-79.59	-47	Pass

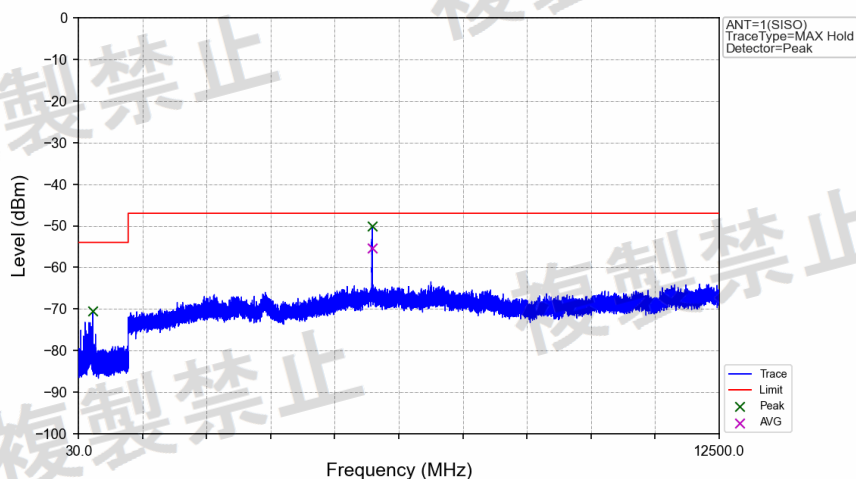
802.11g 2472MHz Ant1 (SISO) NTN



802.11n(HT20) 2412MHz Ant1 (SISO) NTN

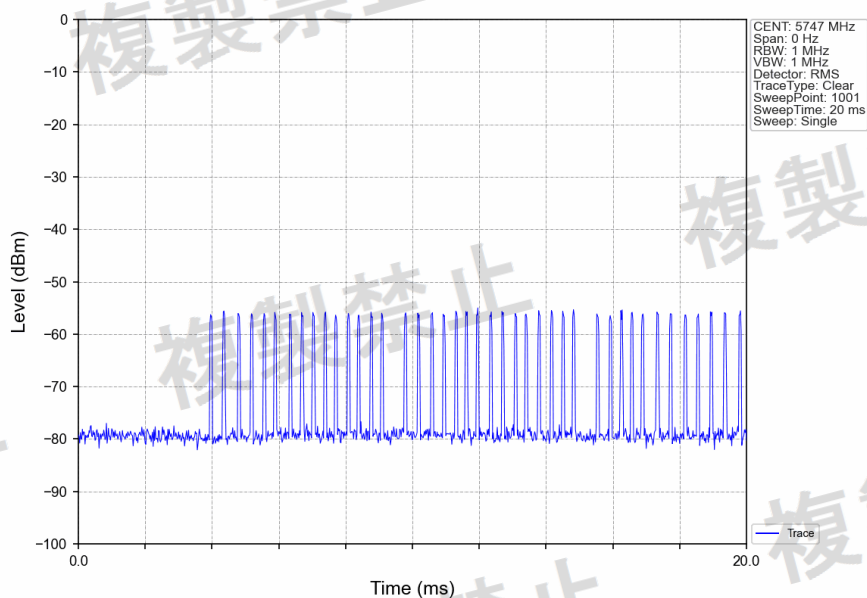


802.11n(HT20) 2412MHz Ant1 (SISO) NTN

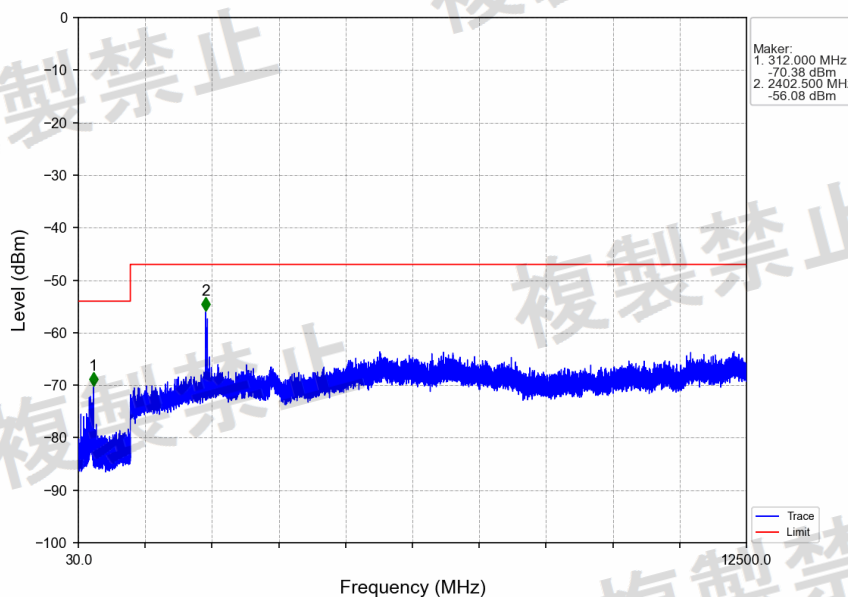


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-70.55	/	-54	Pass
1000	12500	1	1	5747.000	-50.16	-55.33	-47	Pass

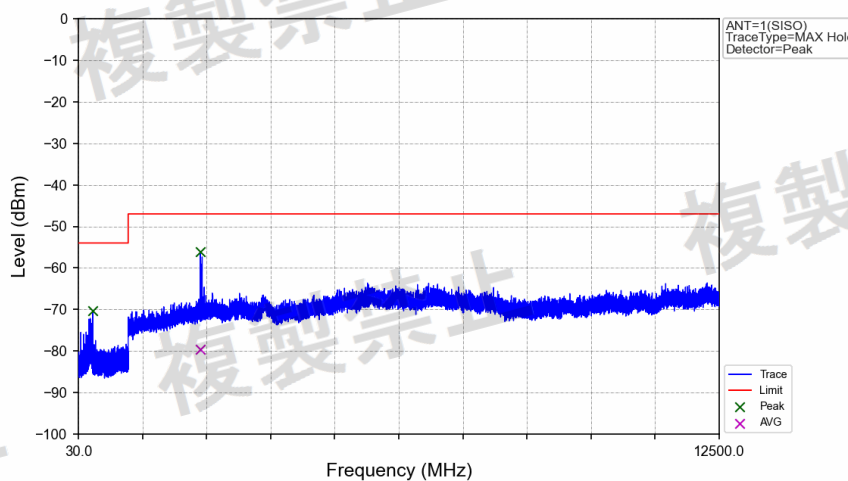
802.11n(HT20) 2412MHz Ant1 (SISO) NTN



802.11n(HT20) 2472MHz Ant1 (SISO) NTNV

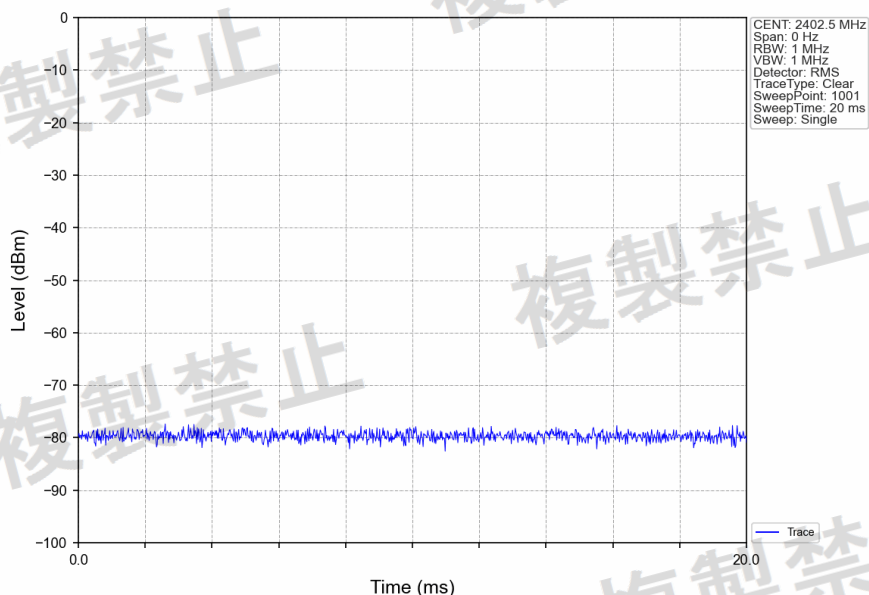


802.11n(HT20) 2472MHz Ant1 (SISO) NTNV

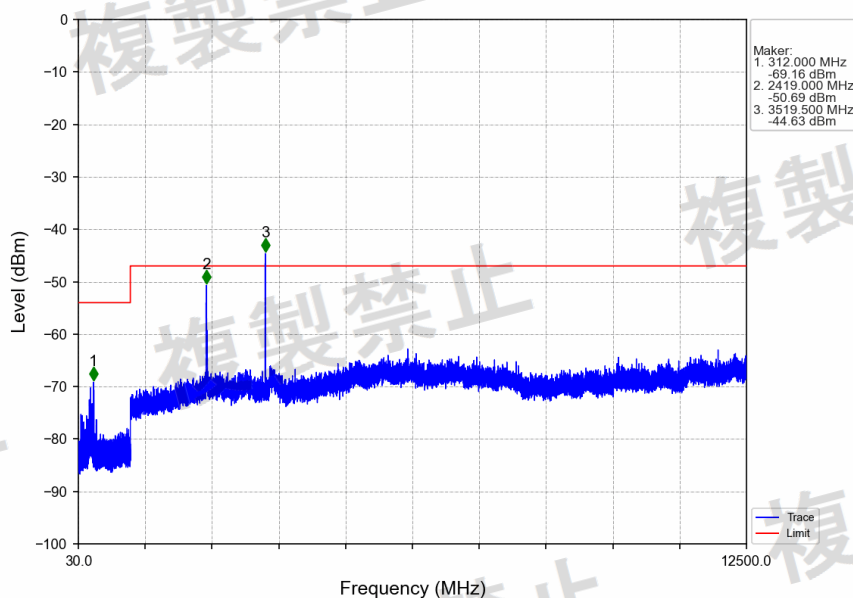


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-70.38	/	-54	Pass
1000	12500	1	1	2402.500	-56.08	-79.60	-47	Pass

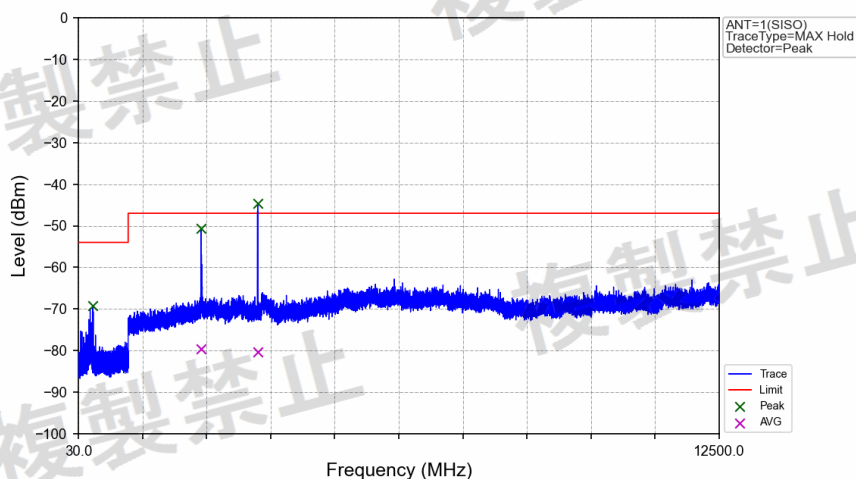
802.11n(HT20) 2472MHz Ant1 (SISO) NTN



802.11n(HT40) 2422MHz Ant1 (SISO) NTN

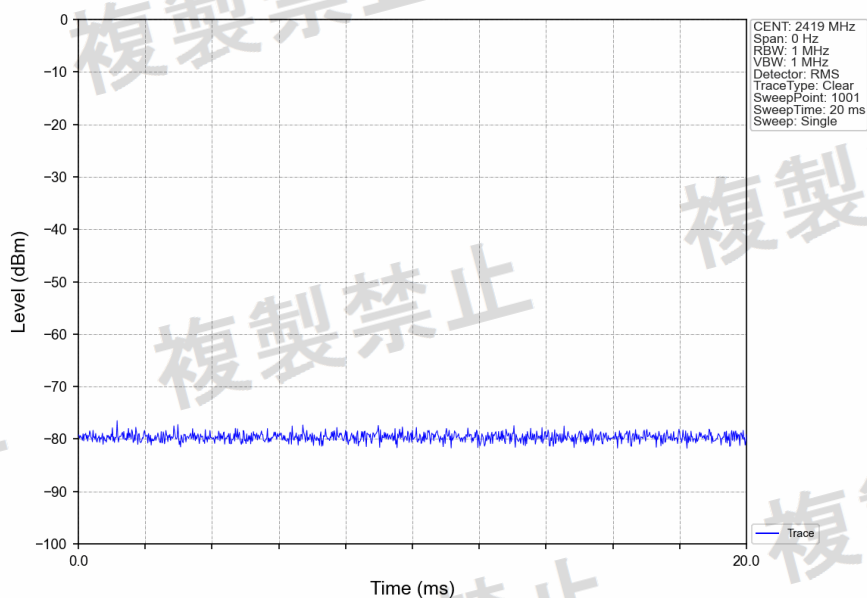


802.11n(HT40) 2422MHz_Ant1 (SISO)_NTNV

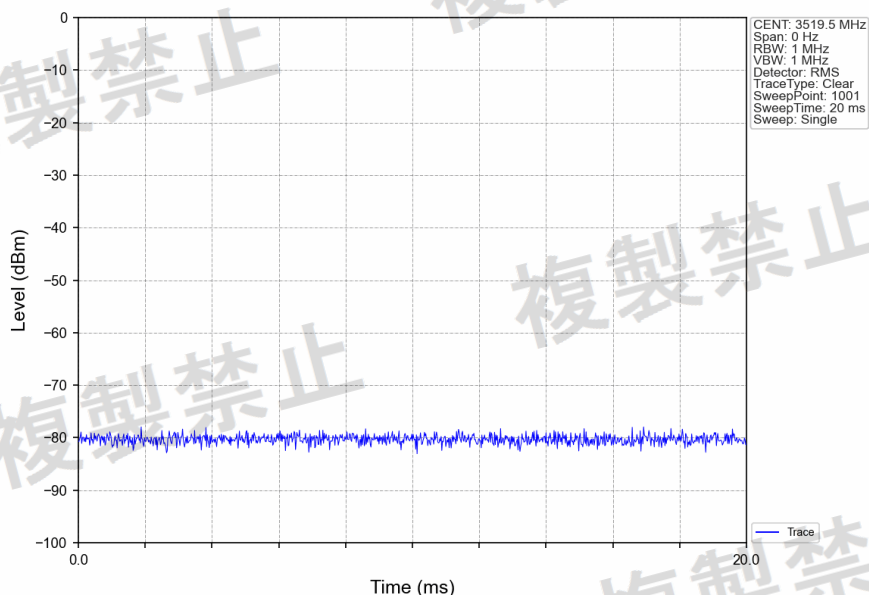


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-69.16	/	-54	Pass
1000	12500	1	1	2419.000	-50.69	-79.58	-47	Pass
1000	12500	1	1	3519.500	-44.63	-80.25	-47	Pass

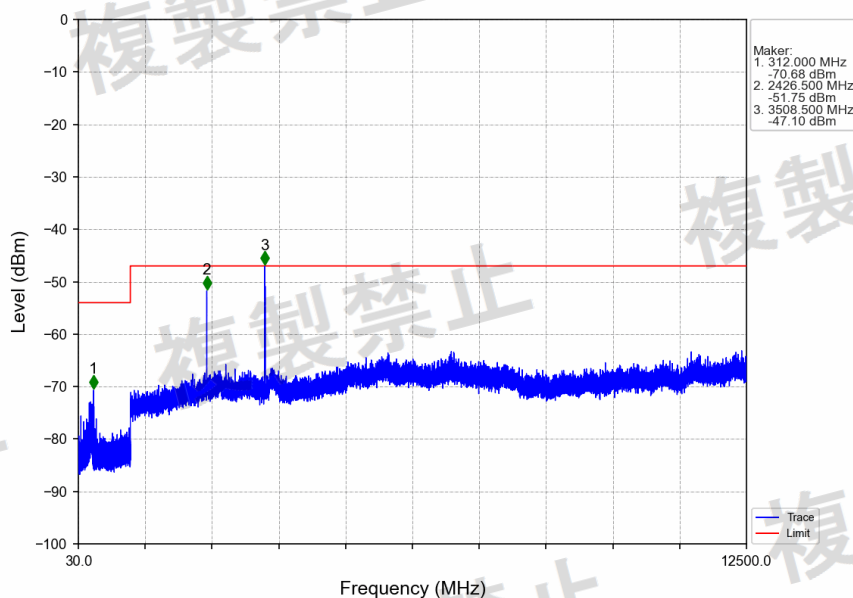
802.11n(HT40) 2422MHz_Ant1 (SISO)_NTNV



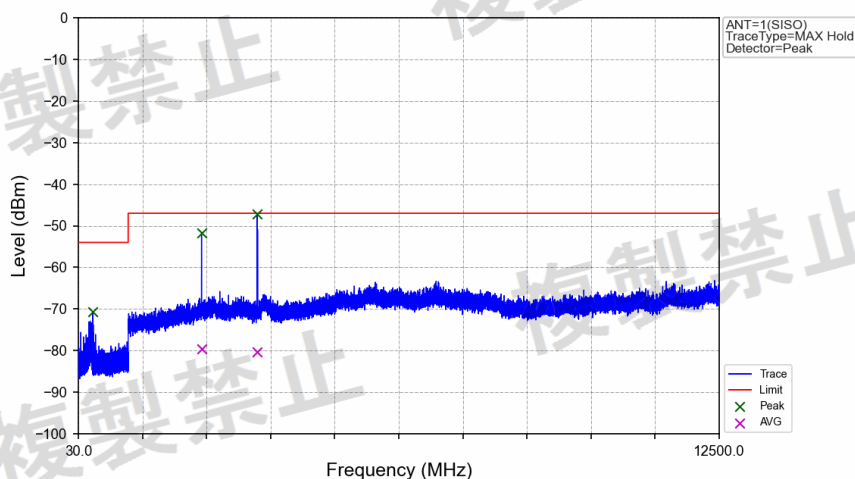
802.11n(HT40) 2422MHz Ant1 (SISO) NTN



802.11n(HT40) 2462MHz Ant1 (SISO) NTN

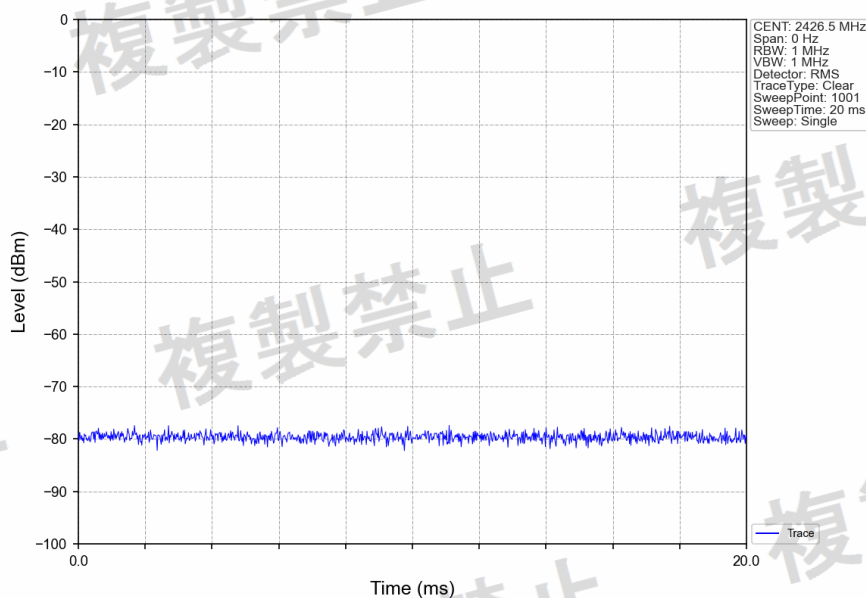


802.11n(HT40) 2462MHz Ant1 (SISO) NTN

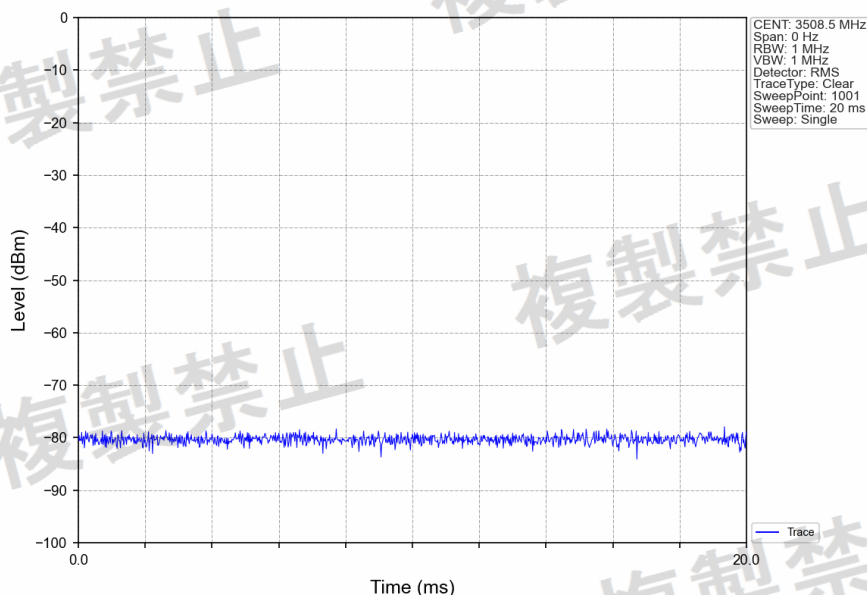


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-70.68	/	-54	Pass
1000	12500	1	1	2426.500	-51.75	-79.57	-47	Pass
1000	12500	1	1	3508.500	-47.10	-80.28	-47	Pass

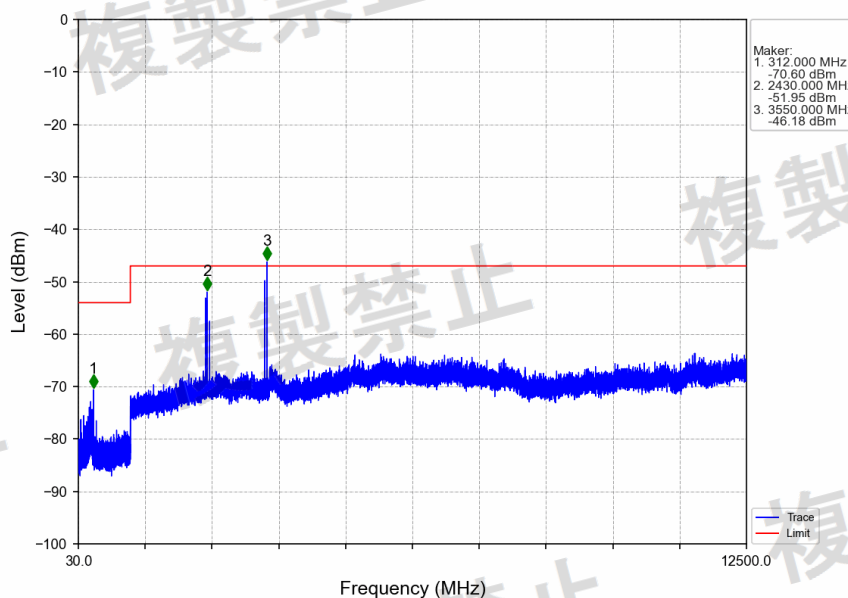
802.11n(HT40) 2462MHz Ant1 (SISO) NTN



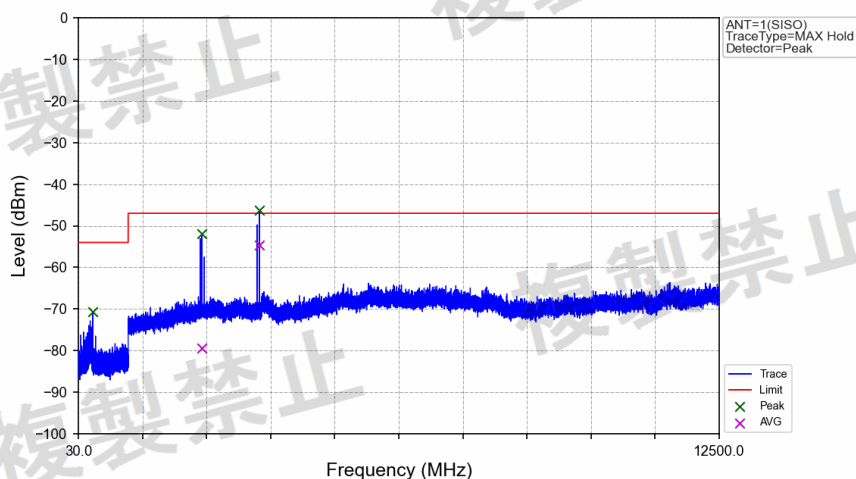
802.11n(HT40) 2462MHz Ant1 (SISO) NTN



802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN

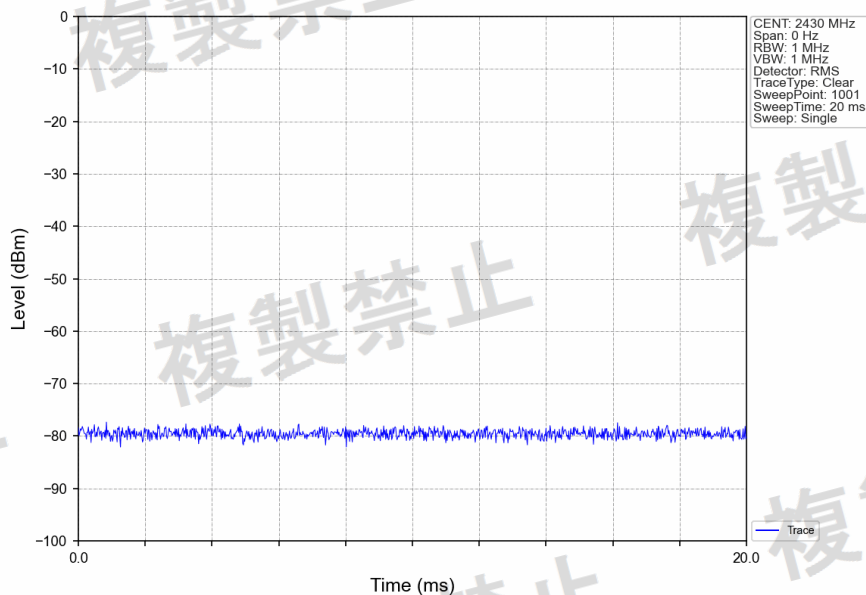


802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTNV

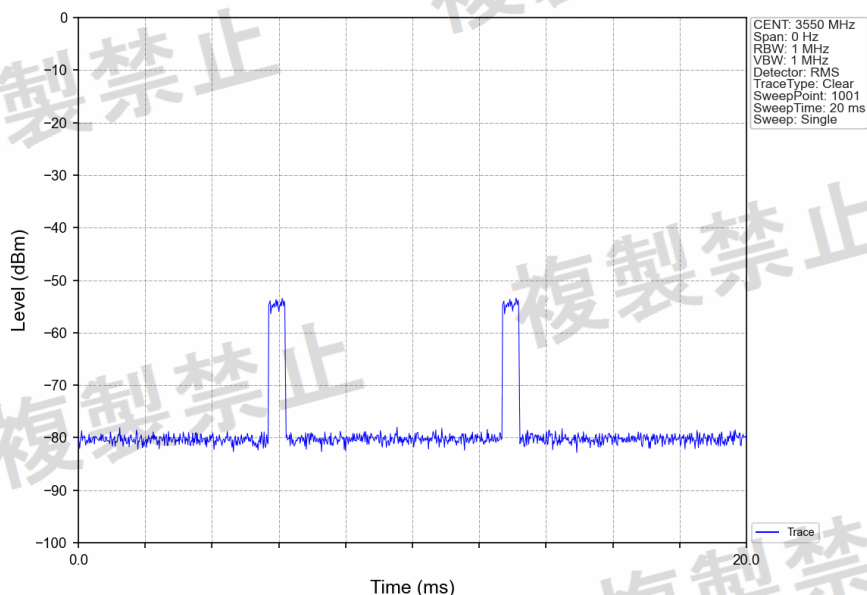


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-70.60	/	-54	Pass
1000	12500	1	1	2430.000	-51.95	-79.49	-47	Pass
1000	12500	1	1	3550.000	-46.18	-54.61	-47	Pass

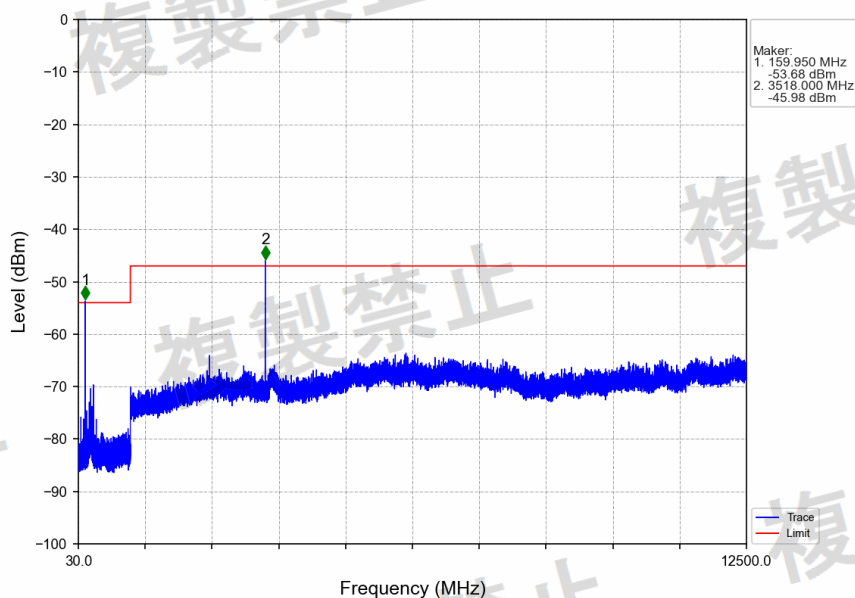
802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTNV



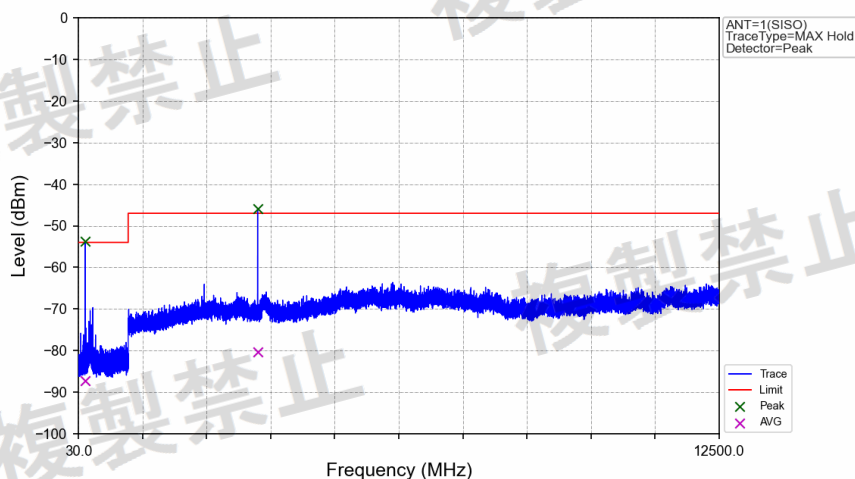
802.11ax(HEW20) 2412MHz SU / Ant1 (SISO) NTN



802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTN

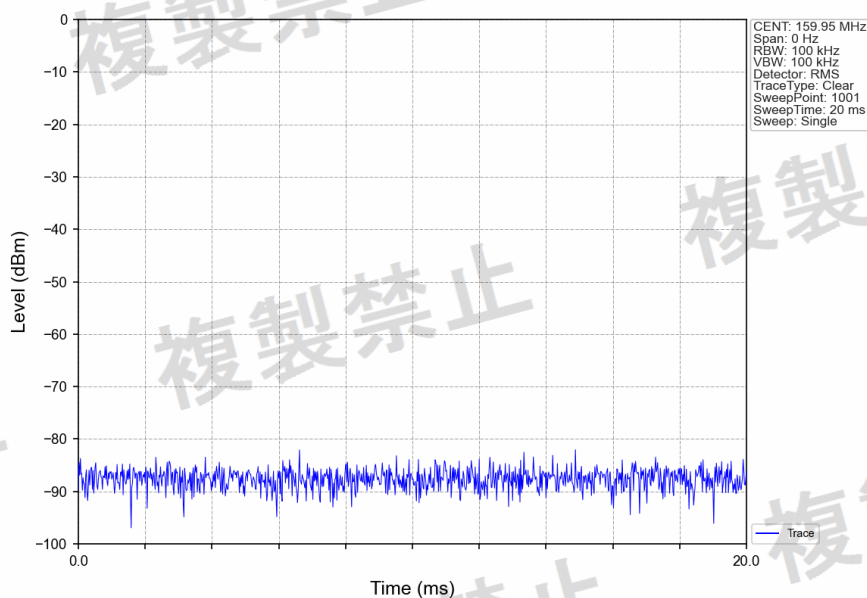


802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTNV

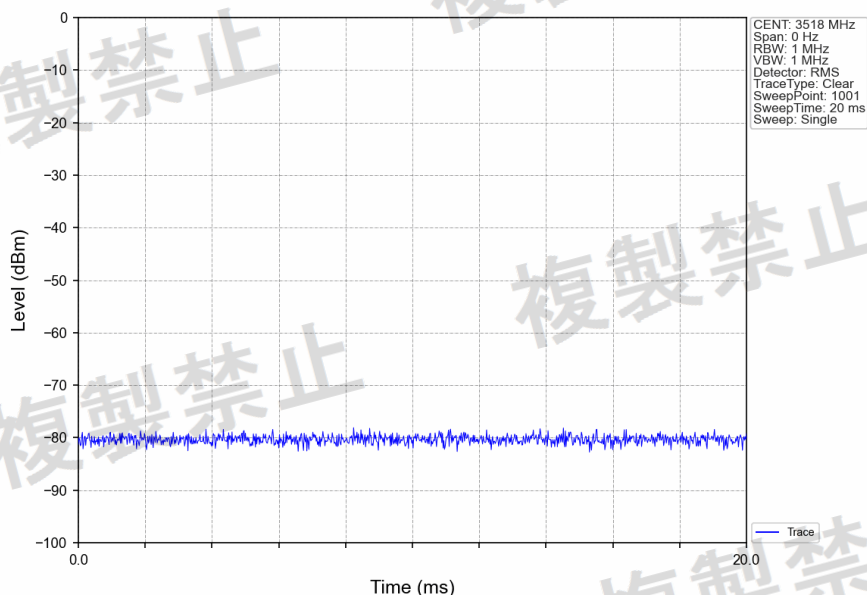


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	159.950	-53.68	-87.27	-54	Pass
1000	12500	1	1	3518.000	-45.98	-80.28	-47	Pass

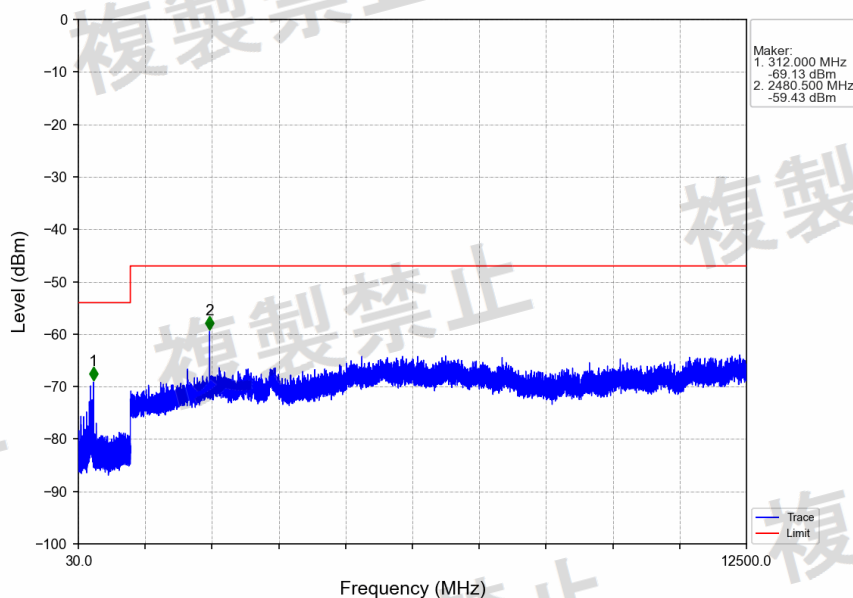
802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTNV



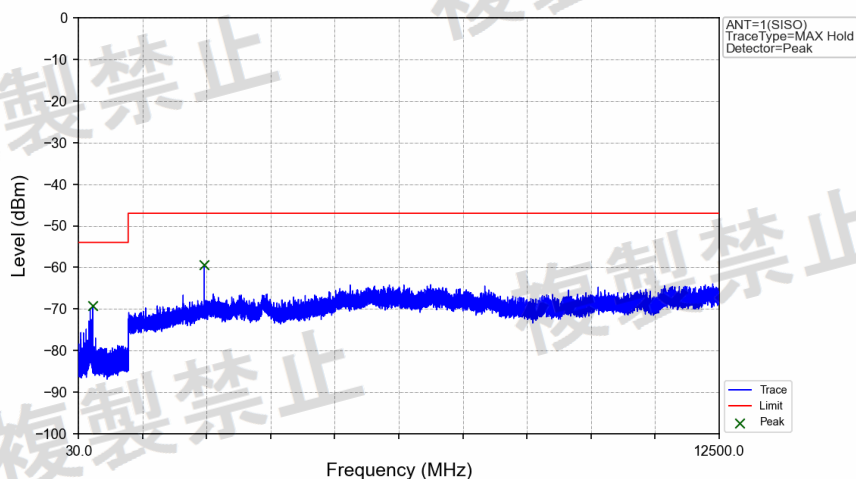
802.11ax(HEW20) 2472MHz SU / Ant1 (SISO) NTNV



802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTNV

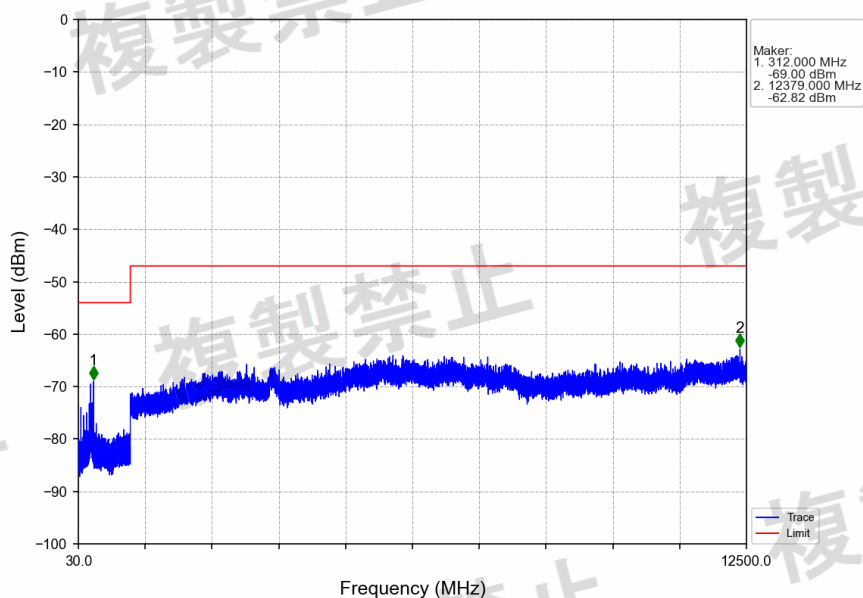


802.11ax(HEW40) 2422MHz SU / Ant1 (SISO) NTN

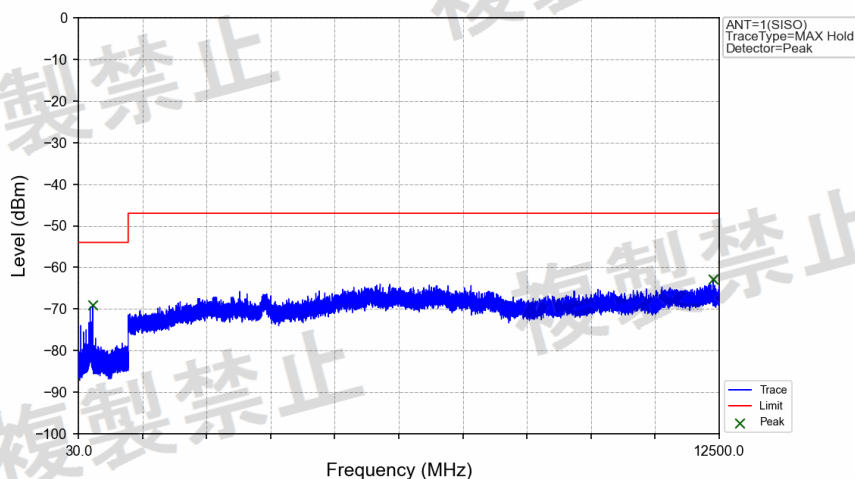


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-69.13	/	-54	Pass
1000	12500	1	1	2480.500	-59.43	/	-47	Pass

802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) 2462MHz SU / Ant1 (SISO) NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	312.000	-69.00	/	-54	Pass
1000	12500	1	1	12379.000	-62.82	/	-47	Pass

---End of Report---