

# TEST REPORT

## Specific Wireless Devices

for

Products Name: Android Tablet

Model No.: WF1419T

Report No.: SST2607E181

IsFUed Date: 2026-7-16

IsFUed for

Dr.JOY 株式会社

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IsFUed by

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## 1. Basic Introduction

|                                        |                                                                                              |                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Applicant's name</b> ..... :        | Dr.JOY 株式会社                                                                                  |                                                                                      |
| <b>Address</b> .....                   | 17F, 2-6-1 Toranomom Minato-ku, Tokyo 105-5517 Japan                                         |                                                                                      |
| <b>Manufacturer's name</b> .....       | SHENZHEN ELECTRON TECHNOLOGY CO., LTD.                                                       |                                                                                      |
| <b>Address</b> .....                   | Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China. |                                                                                      |
| <b>Factory's name</b> .....            | SHENZHEN ELECTRON TECHNOLOGY CO., LTD.                                                       |                                                                                      |
| <b>Address</b> .....                   | Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China. |                                                                                      |
| <b>Products Name</b> ..... :           | Android Tablet                                                                               |                                                                                      |
| <b>Model No.</b> ..... :               | WF1419T                                                                                      |                                                                                      |
| <b>Trade Mark</b> .....                | /                                                                                            |                                                                                      |
| <b>Rating(s)</b> ..... :               | Adapter<br>Model: FJ-SW1202000N<br>Input: 100-240V, 1.5A, 50/60Hz<br>Output: DC 12.0V, 2A    |                                                                                      |
| <b>Date of sample receipt</b> ..... :  | 2026-7-8                                                                                     |                                                                                      |
| <b>Date of Test</b> ..... :            | 2026-7-8~2026-7-16                                                                           |                                                                                      |
| <b>Standard(s)</b> .....               | Article 2 paragraph 1 item(19)<br>MIC Notice No.88 Annex 1<br>MIC Notice No.88 Annex 43      |                                                                                      |
| <b>Tested by (+signature)</b> ..... :  | Connor Ma                                                                                    |  |
| <b>Check by (+signature)</b> ..... :   | Davis Zhou                                                                                   |  |
| <b>Approved by (+signature)</b> .... : | Tiger Chen                                                                                   |  |



## 2. General description

### 2.1. EUT description

|                            |                                                                                           |                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Products Name .....        | Android Tablet                                                                            |                                                                                                                                                                                                                             |
| Model No. ....             | WF1419T                                                                                   |                                                                                                                                                                                                                             |
| Rating(s) .....            | Adapter<br>Model: FJ-SW1202000N<br>Input: 100-240V, 1.5A, 50/60Hz<br>Output: DC 12.0V, 2A |                                                                                                                                                                                                                             |
| Software version.....      | DR-WF1419T-R147-V2.0-14-162F-K1.0                                                         |                                                                                                                                                                                                                             |
| Hardware version .....     | R147-V2.0                                                                                 |                                                                                                                                                                                                                             |
| Operation frequency .....  | 2412MHz ~ 2472MHz                                                                         |                                                                                                                                                                                                                             |
| Channel numbers .....      | 13                                                                                        |                                                                                                                                                                                                                             |
| Modulation technology .... | 802.11b/g/n/ax                                                                            |                                                                                                                                                                                                                             |
| FUported Bandwidth.....    | 20M/40M                                                                                   |                                                                                                                                                                                                                             |
| Antenna type .....         | FPC antenna                                                                               |                                                                                                                                                                                                                             |
| Antenna Gain .....         | 2.20 dBi                                                                                  |                                                                                                                                                                                                                             |
| Cable .....                | <b>Name</b>                                                                               | <b>Description</b>                                                                                                                                                                                                          |
|                            |                                                                                           | <input type="checkbox"/> Shielded <input type="checkbox"/> Unshielded <input type="checkbox"/> Detachable <input type="checkbox"/> Un-detachable<br><input type="checkbox"/> No applicable <input type="checkbox"/> Length: |

Note: 802.11ax not FUport partial RU mode, all test configurations are solely applicable to Full RU.

### 2.2. Serial model(s) and model difference

|                        |                |
|------------------------|----------------|
| Main model(s) .....    | <b>WF1419T</b> |
| Serial model(s) .....  | /              |
| Model difference ..... | /              |

### 2.3. Auxiliary equipment

| FUport equipment list |                     |                          |                          |
|-----------------------|---------------------|--------------------------|--------------------------|
| Description           | Manufacturer        | Model No.                | Serial No.               |
| PC                    | HP                  | Zhan 66P                 | /                        |
| FUport cable list     |                     |                          |                          |
| Description           | Specified length(m) | Shielded                 | Unshielded               |
|                       |                     | <input type="checkbox"/> | <input type="checkbox"/> |

## 2.4. Description of test modes and condition

|                           |                       |                    |                     |
|---------------------------|-----------------------|--------------------|---------------------|
| Mode 1                    | Continuously transmit |                    |                     |
| Mode 2                    | Receiver status       |                    |                     |
| Mode 3                    | Normal operation      |                    |                     |
|                           |                       |                    |                     |
| Temperature(°C):          | 23.9                  |                    |                     |
| Humidity (%):             | 53                    |                    |                     |
| Atmospheric presFURE:     | 100.9kPa              |                    |                     |
|                           |                       |                    |                     |
| Power FUppl               |                       |                    |                     |
| Voltage Fluctuations Test | Normal voltage        | Low voltage (-10%) | High voltage (+10%) |
| Input to EUT (DC,V)       | 12                    | 10.8               | 13.2                |
| To RF Module (DC, V)      | 3.3                   | 3.3                | 3.3                 |
| Voltage Variation (%)     | -                     | 0                  | 0                   |

Note1:  $\text{Voltage Variation}(\%) = (\text{Output high or Low Voltage} - \text{Output Normal Voltage}) / \text{Output Normal Voltage} \times 100$ .

Note2: After checking the fluctuation of input voltage to the circuit of the radio part (excluding the power FUppl) of the equipment to be tested, the fluctuation less than +/-1% when input voltage from an external FUppl into the equipment fluctuates +/-10%, therefore, the test is carried out only at the normal voltage.

## 2.5. Test environmental conditions

|                                                                                                                                                          |                          |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|
| The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.        |                          |                             |
| The climatic conditions during the tests were within the following limits:                                                                               |                          |                             |
| <b>Ambient temperature</b>                                                                                                                               | <b>Relative humidity</b> | <b>Atmospheric presFure</b> |
| 15 °C ~ 35 °C                                                                                                                                            | 30 % ~ 60 %              | 86 kPa ~ 106 kPa            |
| If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report. |                          |                             |

## 2.6. Statement of MeaFurement Uncertainty

|                                                     |                    |
|-----------------------------------------------------|--------------------|
| <b>Test Item</b>                                    | <b>Uncertainty</b> |
| Uncertainty for Conducted emissions                 | 3.31 dB            |
| Uncertainty for Radiated emission (30 MHz to 1 GHz) | 4.53 dB            |
| Uncertainty for Radiated emission (above 1 GHz)     | 4.80 dB            |

|                                                                                                                                                                                            |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| RF power, conducted                                                                                                                                                                        | 1.08 dB   |
| Power Spectral Density, Conducted                                                                                                                                                          | 1.46 dB   |
| Spurious Emissions, Conducted                                                                                                                                                              | 2.94 dB   |
| Occupied bandwidth                                                                                                                                                                         | 57.74 kHz |
| Dwell Time                                                                                                                                                                                 | 2%        |
| Frequency                                                                                                                                                                                  | 3%        |
| MeaFurement Uncertainty Decision Rule<br>Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4. |           |

## 2.7. Report modification record

| Report No.  | IsFUe Date | Description     |
|-------------|------------|-----------------|
| SST2607E181 | 2026-7-16  | Original Report |

## 2.8. Test Facility

|                                                                                           |                                                                                                                                                   |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| The test facility is recognized, certified, or accredited by the following organizations: |                                                                                                                                                   |
| CNAS                                                                                      | Registration No.: L17883                                                                                                                          |
| Location                                                                                  | Dongguan Qiyang Testing Technology Co., Ltd.<br>Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China |

## 2.9. Additional Instruction

|                   |         |
|-------------------|---------|
| Test Software     | CMD     |
| Power level setup | Default |

## 2.10. Other information

The laboratory responsible for all the information provided in the report, except those information provided by the applicant.

The applicant shall fully responsible for the information they provided.

The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver.

The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received.

Any objection to the test report shall FUbmitted to the test laboratory within 15 days from the date of receipt of the report.

It is not permitted to copy extracts of these test Result without the written permission of the test laboratory.

### 3. Verdict FUmmary section

| Requirement – Test case                            | Result                                                                                   |
|----------------------------------------------------|------------------------------------------------------------------------------------------|
| RF shielding method                                | Pass                                                                                     |
| Tolerance of Frequency                             | Pass                                                                                     |
| Antenna Power                                      | Pass                                                                                     |
| Occupied bandwidth                                 | Pass                                                                                     |
| Spread spectrum bandwidth                          | Report only                                                                              |
| Spurious Emissions Intensity                       | Pass                                                                                     |
| Secondary radiated emissions                       | Pass                                                                                     |
| Interference FUppression                           | Pass                                                                                     |
| Carrier Sense Capability                           | Pass                                                                                     |
| Transmission Antenna Gain                          | Pass                                                                                     |
| Transmission Radiation Angle Width(3dB Beam width) | N/A, EIRP less than 12.14 dbm/MHz                                                        |
| Number of carrier                                  | Pass (This device has more than 1 FUbcarrier in 1MHz, compliances with the requirement.) |
| Spreading factor                                   | Pass                                                                                     |

| Test case verdicts                                  |          |
|-----------------------------------------------------|----------|
| - Test case does not apply to the test object ..... | N/A      |
| - Test object does meet the requirement.....        | P (Pass) |
| - Test object does not meet the requirement.....    | F (Fail) |

## 4. List of Test Equipment

| Equipment                           | Manufacturer     | Model No.  | Serial No. | Cal. Date  | Cal. Due   |
|-------------------------------------|------------------|------------|------------|------------|------------|
| <b>RF conducted</b>                 |                  |            |            |            |            |
| Spectrum Analyzer                   | keysight         | N9020A     | MY51280659 | 2026/04/09 | 2027/04/09 |
| Signal Generator                    | Agilent          | N5181A     | MY48180054 | 2026/04/09 | 2027/04/09 |
| Signal Generator                    | keysight         | N5172B     | MY57281610 | 2026/04/09 | 2027/04/09 |
| Spectrum Analyzer                   | R&S              | FSV40-N    | 101791     | 2026/04/09 | 2027/04/09 |
| Wideband Radio Communication Tester | R&S              | CMW500     | 123123     | 2026/04/09 | 2027/04/09 |
| RF Switch Box                       | TST PASS         | TST V2     | /          | 2026/04/09 | 2027/04/09 |
| Thermohygrometer                    | KTJ              | TA218A     | 879032     | 2026/04/09 | 2027/04/09 |
| DC power FUpplly                    | Lodestar         | LPS6010D   | LP2303371  | /          | /          |
| Temperature and humidity chamber    | Guangdong fenghe | FH-TH-1000 | FH24032017 | 2026/04/09 | 2027/04/09 |
| Test Software                       | TST PASS         | TST PASS   | V2.0       | /          | /          |

### Calibration Information (Article 24-2, Paragraph 4 of the Radio Act)

|   |                                                                                                                                                                                                                     |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | a. Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act                                   |
|   | b. Calibration conducted based on the regulations of Articles 135 or 144 of the meaFurement 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 meaFuring 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 |

## 5. Technical Requirement and Measurement Data

### 5.1. Cabinet

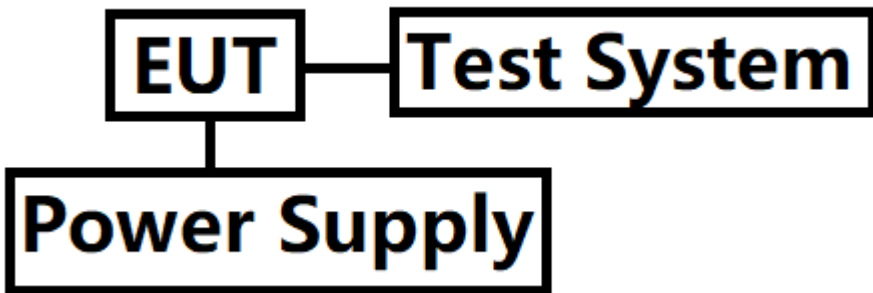
**Requirement:**

The high-frequency section and modulation section (except for the antenna system) shall not be capable of being opened easily

**Shielding method:**

Refer to SST2607E179 for details

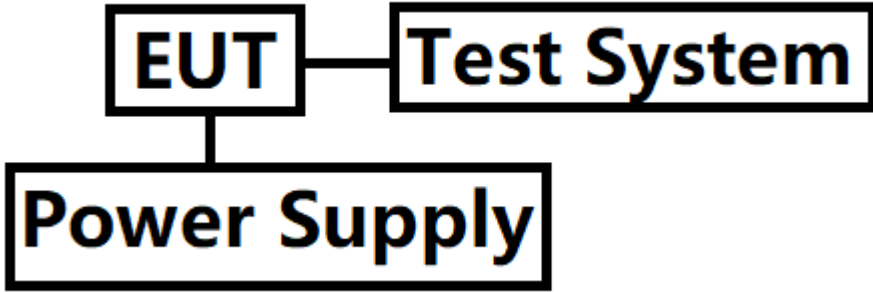
## 5.2. Antenna Power

|                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit</b><br>10mW/MHz (DSSS, OFDM within 26MHz)<br>5mW/MHz (OFDM within 26~40MHz)<br>Tolerance: +20%                                                                                                                                                                                                                                                                         |
| <b>Block diagram of Test Setup</b><br> <pre> graph TD     PS[Power Supply] --- EUT[EUT]     EUT --- TS[Test System]           </pre>                                                                                                                                                          |
| <b>Test Setup</b><br>Test Frequency: centre Frequency<br>Span: Max allowed to capture the trace<br>RBW: >Occupied Bandwidth<br>VBW: =RBW<br>Sweep Time: Auto<br>Detector: Peak<br>Trace: Max hold<br>Mark the highest peak value, then centre the frequency<br>Span: 0Hz<br>RBW: >Occupied Bandwidth<br>VBW: >RBW<br>Sweep: Single<br>Detector: RMS<br>Measure the burst power. |
| <b>Verdict</b><br>Pass                                                                                                                                                                                                                                                                                                                                                          |

### 5.2.1. Test Result

Refer to section 8 for details

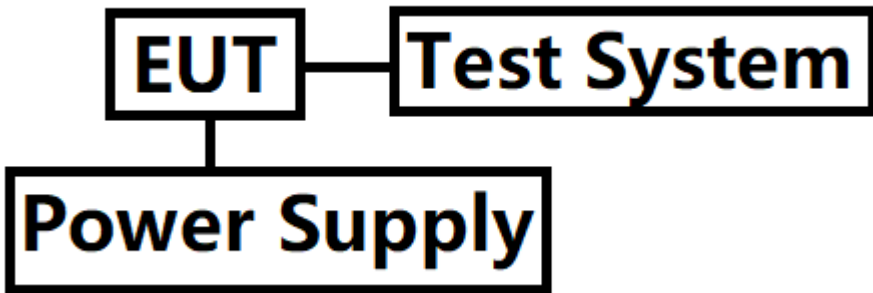
### 5.3. Frequency Tolerance

|                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit</b>                                                                                                                                                                                             |
| $\pm 50 \times 10^{-6}$                                                                                                                                                                                  |
| <b>Block diagram of Test Setup</b>                                                                                                                                                                       |
|  <pre> graph TD     PS[Power Supply] --&gt; TS[Test System]     TS --- EUT[EUT]             </pre>                     |
| <b>Test Setup</b>                                                                                                                                                                                        |
| Test Frequency: centre Frequency<br>Span: 1MHz<br>RBW: 10kHz<br>VBW: =RBW<br>Sweep Time: Auto<br>Detector: Peak<br>Trace: Max hold<br>While the trace is stabilized, mark the highest transmit frequency |
| <b>Verdict</b>                                                                                                                                                                                           |
| Pass                                                                                                                                                                                                     |

#### 5.3.1. Test Result

Refer to section 8 for details

## 5.4. Occupied Bandwidth and Spread Bandwidth

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Occupied Bandwidth:<br>OFDM: 40MHz or less<br>Others: 26MHz or less                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Block diagram of Test Setup</b>                                                                                                                                                                                                                                                                                                                                                                                                           |
|  <pre> graph TD     PS[Power Supply] --- EUT[EUT]     EUT --- TS[Test System]             </pre>                                                                                                                                                                                                                                                           |
| <b>Test Setup</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Test Frequency: centre Frequency<br>Span: Max allowed to capture hole trace<br>RBW: 300kHz<br>VBW: =RBW<br>Sweep Time: Auto<br>Detector: Peak<br>Trace: Max hold<br>While the trace is stabilized, Use the 99 % bandwidth function of the spectrum analyser to meaFure the Occupied Channel Bandwidth of the UUT. This value shall be recorded. Mark lowest frequency FL of the 99% bandwidth and the highest Frequency FH of 99% bandwidth. |
| <b>Verdict</b>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pass                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### 5.4.1. Test Result

Refer to section 8 for details

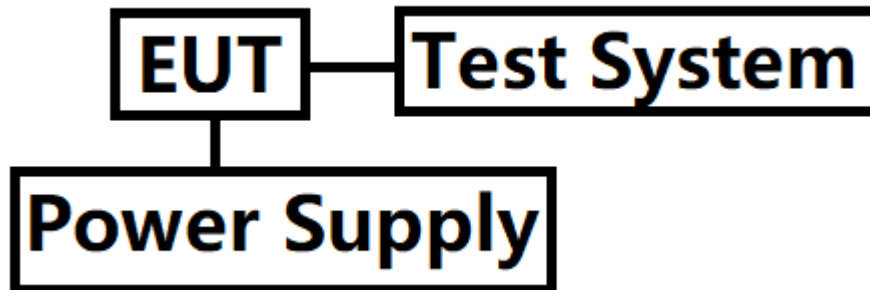
## 5.5. Spurious Emission Intensity

### Limit

Permissible mean power of spurious emission of each frequency  $F$  applied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency  $f$  other than frequency band used shall be as follows:

- a.  $2,387 \text{ MHz} \leq f \leq 2,400 \text{ MHz}$  and  $2,483.5 \text{ MHz} < f \leq 2,496.5 \text{ MHz}$ : 25  $\mu\text{W}$  or less
- b.  $2,387 \text{ MHz} > f$  and  $2,496.5 \text{ MHz} < f$ : 2.5  $\mu\text{W}$  or less

### Block diagram of Test Setup



### Test Setup

Analyser frequency set to the wanted transmitting frequency

Frequency Range: 30MHz ~ 12.5GHz

RBW: 1MHz

VBW:=RBW

Sweep time: Auto

Detector: Peak

Trace: Max Hold

Allow the trace to stabilize. Use mark-peak function to mark the highest emission level.

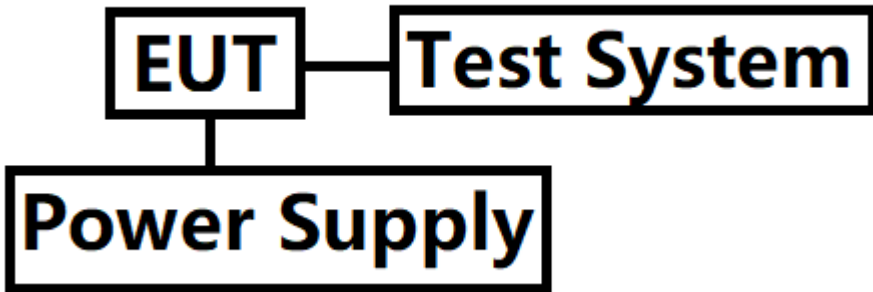
### Verdict

Pass

### 5.5.1. Test Result

Refer to section 8 for details

## 5.6. Second Radiated Emission

|                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit</b>                                                                                                                                                                                                                                                                                          |
| 4nW or less at a frequency below 1 GHz and 20 nW or less at a frequency of 1 GHz or higher                                                                                                                                                                                                            |
| <b>Block diagram of Test Setup</b>                                                                                                                                                                                                                                                                    |
|  <pre> graph TD     PS[Power Supply] --- EUT[EUT]     EUT --- TS[Test System]           </pre>                                                                                                                      |
| <b>Test Setup</b>                                                                                                                                                                                                                                                                                     |
| Analyser frequency set to the wanted transmitting frequency<br>Frequency Range: 30MHz ~ 12.5GHz<br>RBW: 100 kHz < 1GHz; 1MHz > 1GHz<br>VBW: =RBW<br>Sweep time: Auto<br>Detector: Peak<br>Trace: Max Hold<br>Allow the trace to stabilize. Use mark-peak function to mark the highest emission level. |
| <b>Verdict</b>                                                                                                                                                                                                                                                                                        |
| Pass                                                                                                                                                                                                                                                                                                  |

### 5.6.1. Test Result

Refer to section 8 for details

## 5.7. Interference Prevention Function

|                                                                                                                                                                                                                                                                                         |                            |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------|
| <b>Limit</b>                                                                                                                                                                                                                                                                            |                            |                                                                           |
| a. Identification code transmission/reception:<br>Radio equipment used mainly on the same premises and automatically transmits or receives identification code<br>b. Frequency switching and other functions:<br>Users shall be able to choose operating frequencies and halt emission. |                            |                                                                           |
| <b>Block diagram of Test Setup</b>                                                                                                                                                                                                                                                      |                            |                                                                           |
|                                                                                                                                                                                                                                                                                         | <div>Radio equipment</div> | <div>             Dummy load<br/>             Attenuator           </div> |
| <b>Verdict</b>                                                                                                                                                                                                                                                                          |                            |                                                                           |
| Pass                                                                                                                                                                                                                                                                                    |                            |                                                                           |

### 5.7.1. Test Result

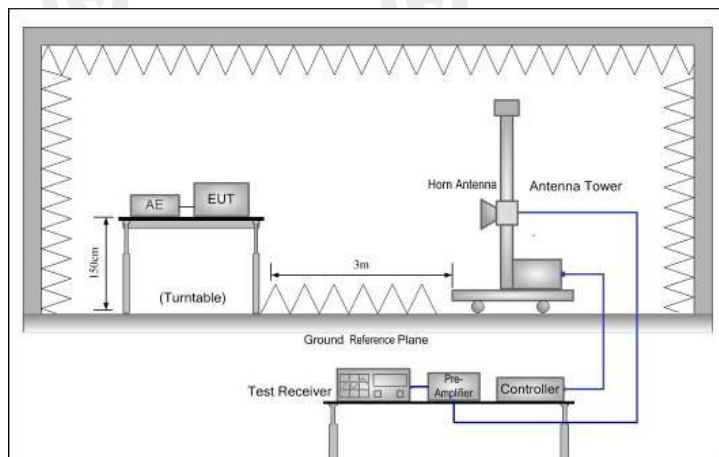
WLAN MAC Address: 84:93:ec:5e:f7:03

## 5.8. Equivalent Isotropic Radiated Power

### Limit

12.14dBm/MHz

### Block diagram of Test Setup



### Test Procedures

#### Step 1

Set the test equipment at test frequency, and in continuous transmitting mode or intermittent burst mode (constant frequency and constant burst time). Stop the spread.

#### Step 2

Set the height and direction of test equipment and measurement antenna approximately facing each other.

#### Step 3

In the frequency derived in D), change the height of the measurement antenna from the ground by  $\pm 50\text{cm}$  with a central focus on the antenna of test equipment. Search the location that the power is maximum by adjusting the direction of measurement antenna. Set the indicator of spectrum analyzer at this point as "E".

#### Step 4

Remove the test equipment from the turntable, set the opening of substitution antenna at the same location as the opening of the test equipment, and receive by outputting radio wave of the same frequency from the standard signal generator for substitution.

#### Step 5

Adjust at the maximum power point, turning the substitution antenna.

#### Step 6

Change the height of the measurement antenna from the ground by  $\pm 50\text{cm}$  with a central focus on the substitution antenna, and adjust the direction of measurement antenna to the location that the received power is maximum.

#### Step 7

Adjust output of standard signal generator and record the power  $P_s$  that is equal to "E". Or record  $P_s$  by counting backward from the difference with "E" as the close value to "E" (within  $\pm 1\text{dB}$ ).

#### Step 8

EIRP is derived from the following calculating formula:

$$\text{EIRP} = G_s - L_F + P_s$$

$G_s$ ; Absolute gain of substitution antenna (dBi).

$L_F$ ; Loss of electric supply line between standard signal generator and substitution antenna (dB).

$P_s$ ; Output of standard signal generator (dBm).

### Verdict

N/A, EIRP less than 12.14 dbm/MHz

## 5.9. Carrier Sense Capability

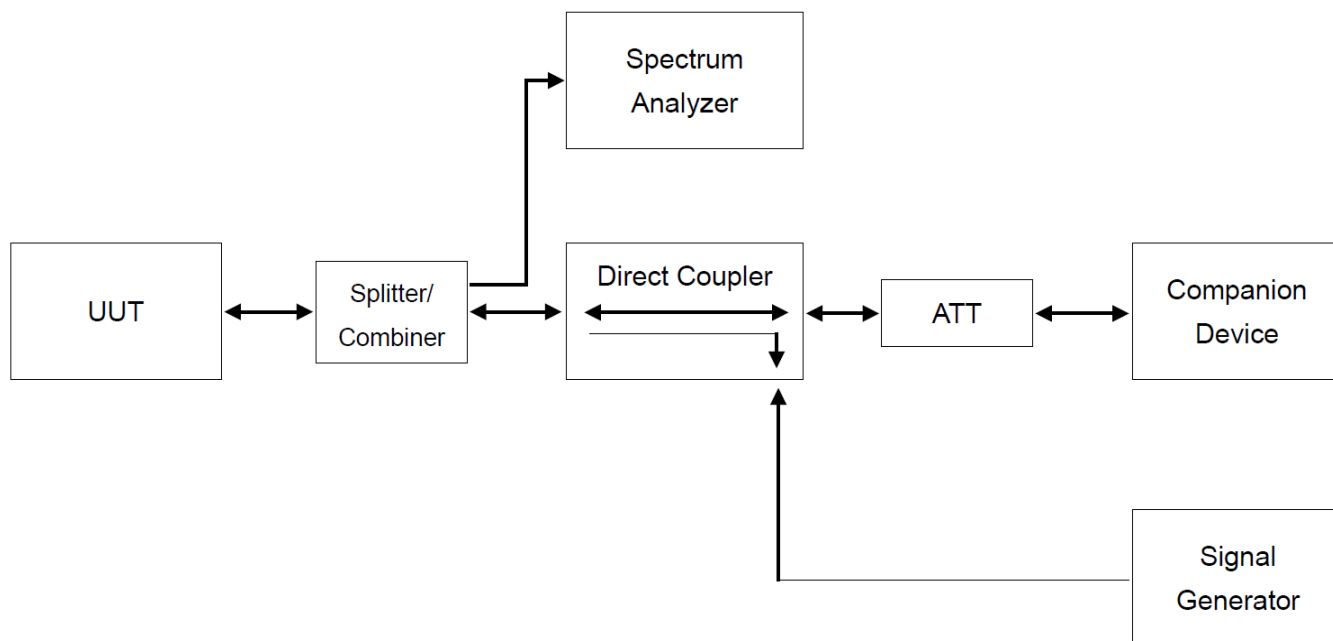
### Limit

Stop transmission for interference signal level above 100mV/m (or level at  $22.79 + Gr - 20 \cdot \log(f)$  [dBm])

f: indicated frequency in MHz

Gr: indicated the antenna gain in dBi

### Block diagram of Test Setup



### Test Procedures

1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG. Then turn off the RF signal of SG.
2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. Set the Spectrum per the above form.
4. SG RF signal on, and adjust the signal level until the EUT stop transmission at the tested frequency. Record the signal level.
5. EUT shall be stop the transmission and SG RF signal off. Then EUT will be continuously transmitted signal.

### Verdict

Pass

| Type           | Test Channel | Result     |
|----------------|--------------|------------|
| 802.11ax(HT40) | L,M,H        | Acceptance |

## 6. Test setup photo

Refer to appendix I for details

## 7. Photo of the EUT

Refer to appendix II for details

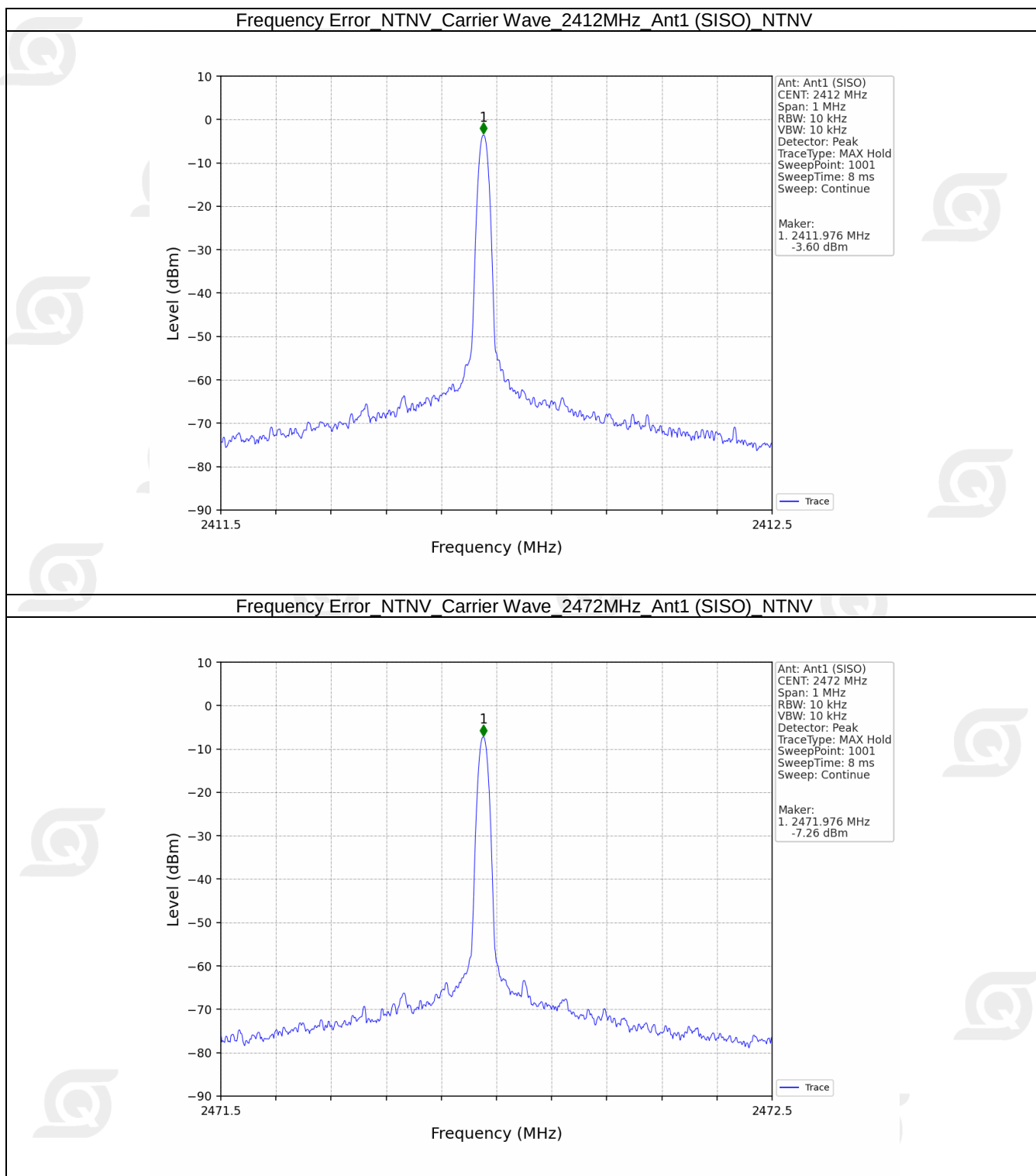
## 8. Test Result

### 1. Frequency Error

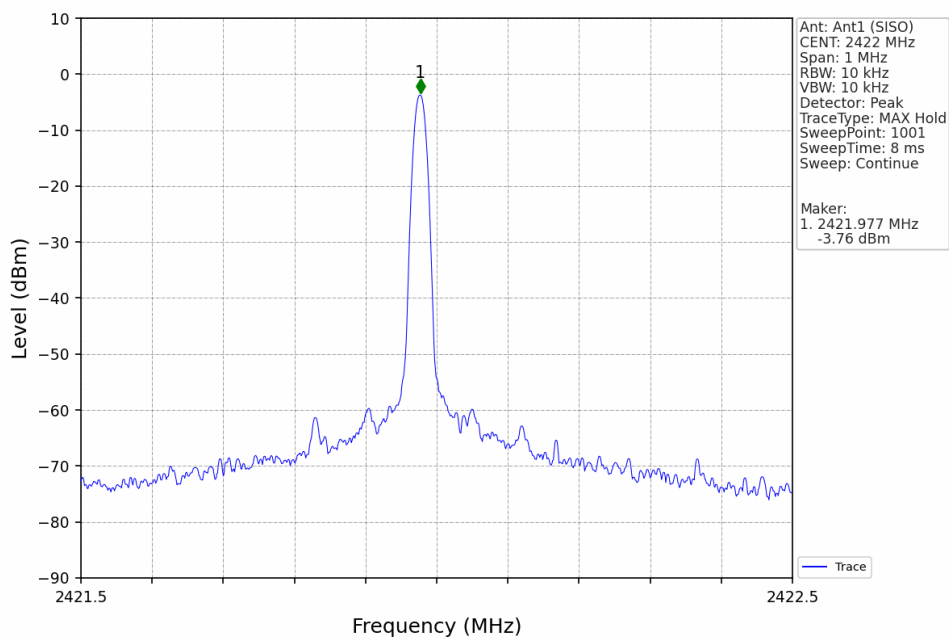
#### 1.1 Test Result

| Ant1 |              |         |                 |                          |                 |           |         |
|------|--------------|---------|-----------------|--------------------------|-----------------|-----------|---------|
| ENV  | Mode         | TX Type | Frequency (MHz) | MeaFured Frequency (MHz) | Tolerance (ppm) |           | Verdict |
|      |              |         |                 |                          | Result          | Limit     |         |
| NTNV | Carrier Wave | SISO    | 2412            | 2411.976                 | -9.95           | -50 to 50 | Pass    |
|      |              |         | 2472            | 2471.976                 | -9.71           | -50 to 50 | Pass    |
|      |              |         | 2422            | 2421.977                 | -9.50           | -50 to 50 | Pass    |
|      |              |         | 2462            | 2461.976                 | -9.75           | -50 to 50 | Pass    |

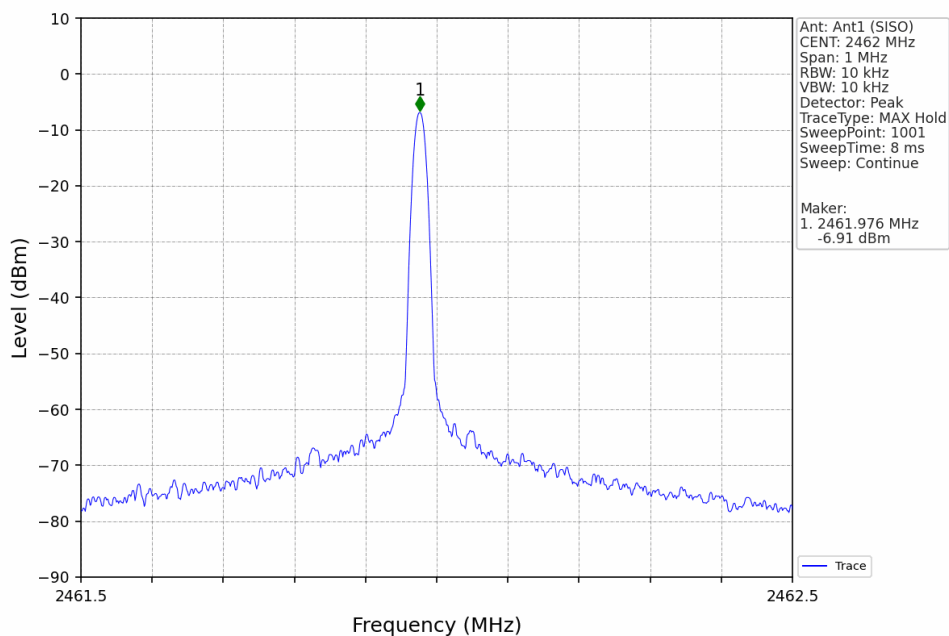
## 1.2 Test Graph



Frequency Error\_NTNV\_Carrier Wave 2422MHz\_Ant1 (SISO)\_NTNV



Frequency Error\_NTNV\_Carrier Wave\_2462MHz\_Ant1 (SISO)\_NTNV

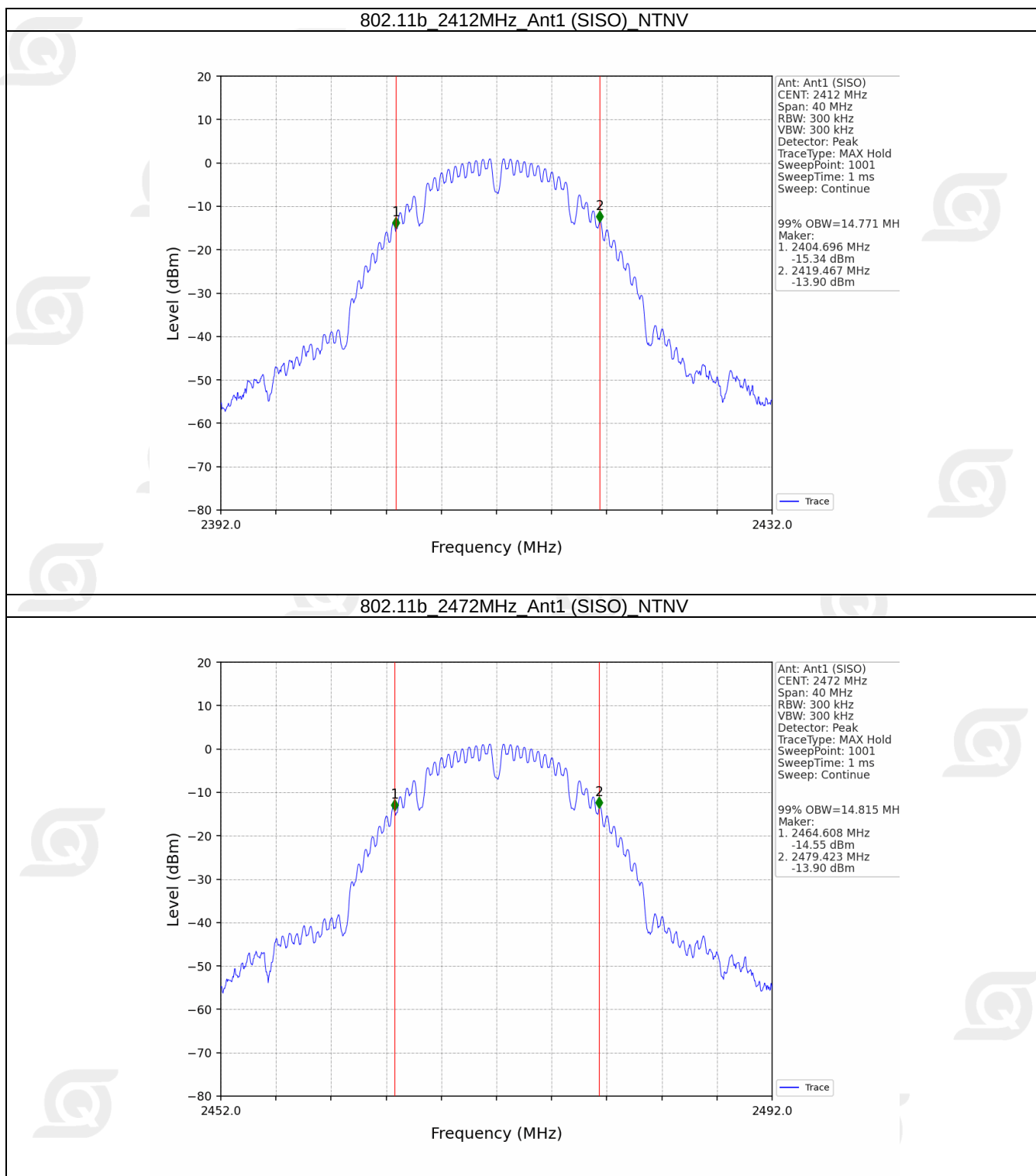


## 2. Occupied Bandwidth

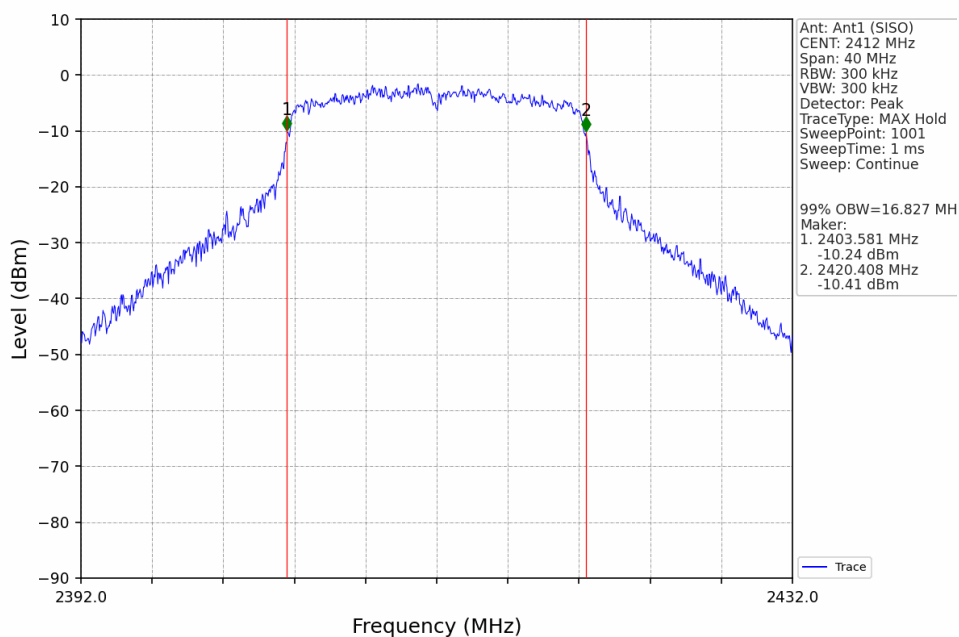
### 2.1 Test Result

| ENV  | Mode             | TX Type | Frequency (MHz) | RU | RU Pos | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------|------------------|---------|-----------------|----|--------|------------------------------|-------|---------|
|      |                  |         |                 |    |        | ANT1                         | Limit |         |
| NTNV | 802.11b          | SISO    | 2412            | /  | /      | 14.771                       | <=26  | Pass    |
|      |                  |         | 2472            | /  | /      | 14.815                       | <=26  | Pass    |
|      | 802.11g          | SISO    | 2412            | /  | /      | 16.827                       | <=26  | Pass    |
|      |                  |         | 2472            | /  | /      | 16.809                       | <=26  | Pass    |
|      | 802.11n (HT20)   | SISO    | 2412            | /  | /      | 17.898                       | <=26  | Pass    |
|      |                  |         | 2472            | /  | /      | 18.022                       | <=26  | Pass    |
|      | 802.11n (HT40)   | SISO    | 2422            | /  | /      | 36.103                       | <=40  | Pass    |
|      |                  |         | 2462            | /  | /      | 36.093                       | <=40  | Pass    |
|      | 802.11ax (HEW20) | SISO    | 2412            | FU | /      | 19.020                       | <=26  | Pass    |
|      |                  |         | 2472            | FU | /      | 18.977                       | <=26  | Pass    |
|      | 802.11ax (HEW40) | SISO    | 2422            | FU | /      | 37.674                       | <=40  | Pass    |
|      |                  |         | 2462            | FU | /      | 37.553                       | <=40  | Pass    |

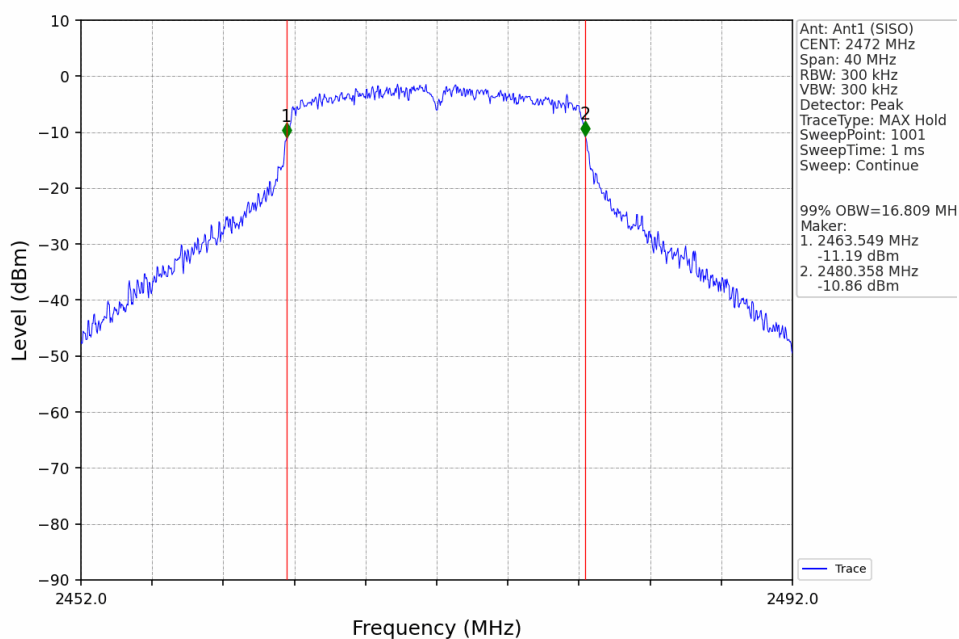
## 2.2 Test Graph



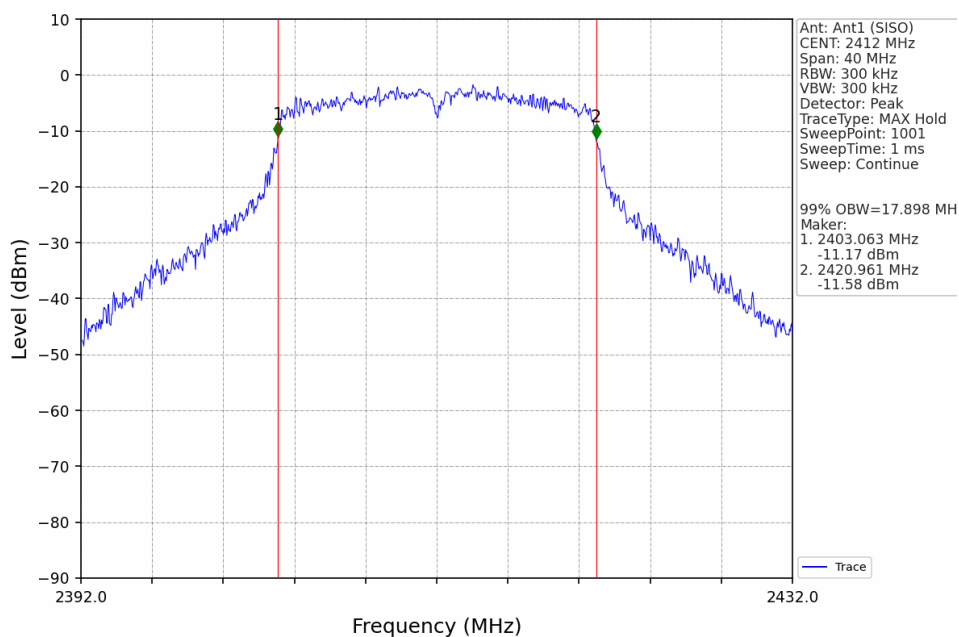
802.11g 2412MHz Ant1 (SISO) NTNV



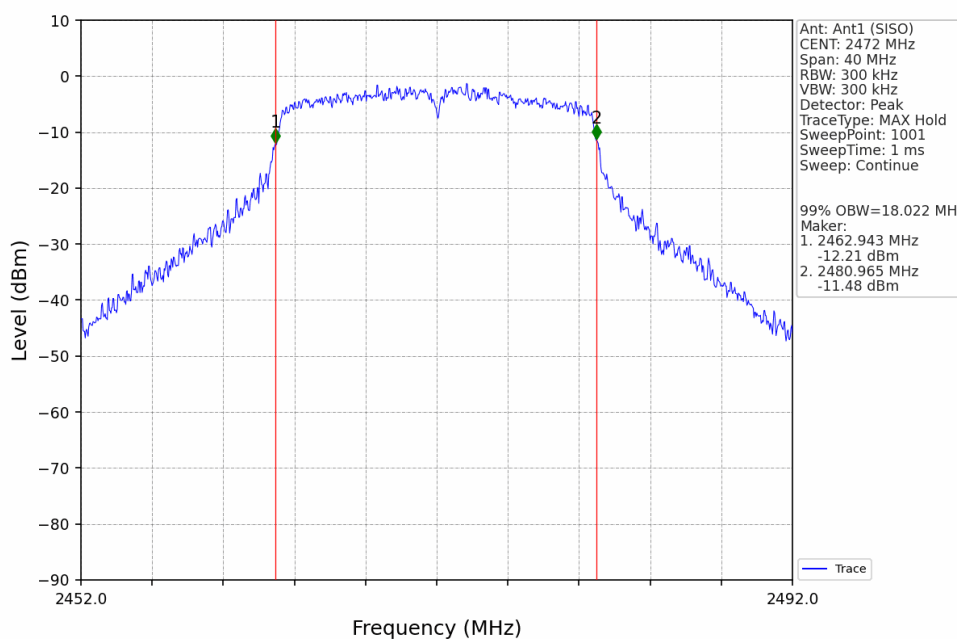
802.11g 2472MHz Ant1 (SISO) NTNV



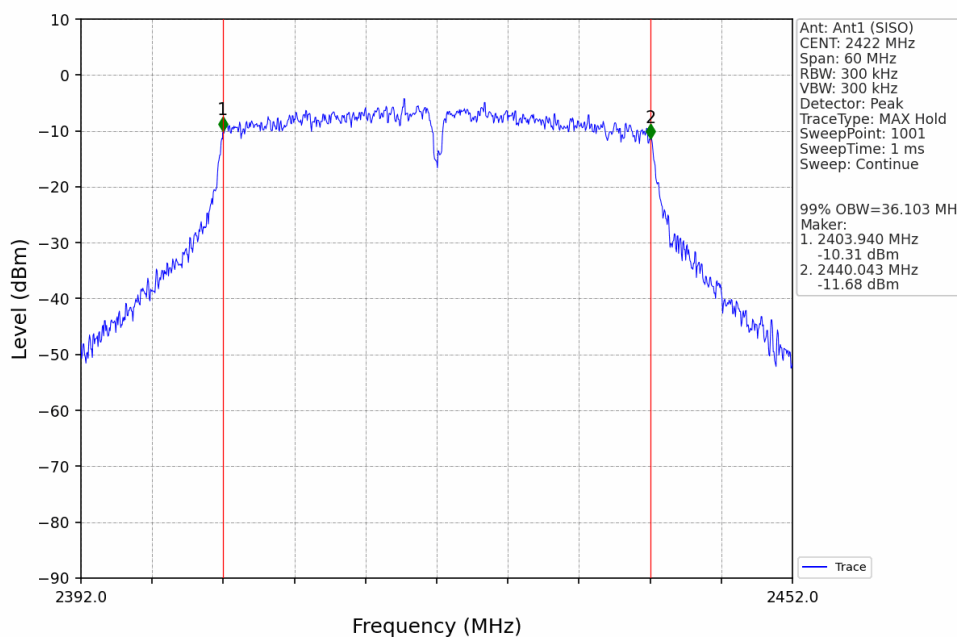
802.11n(HT20) 2412MHz Ant1 (SISO) NTNV



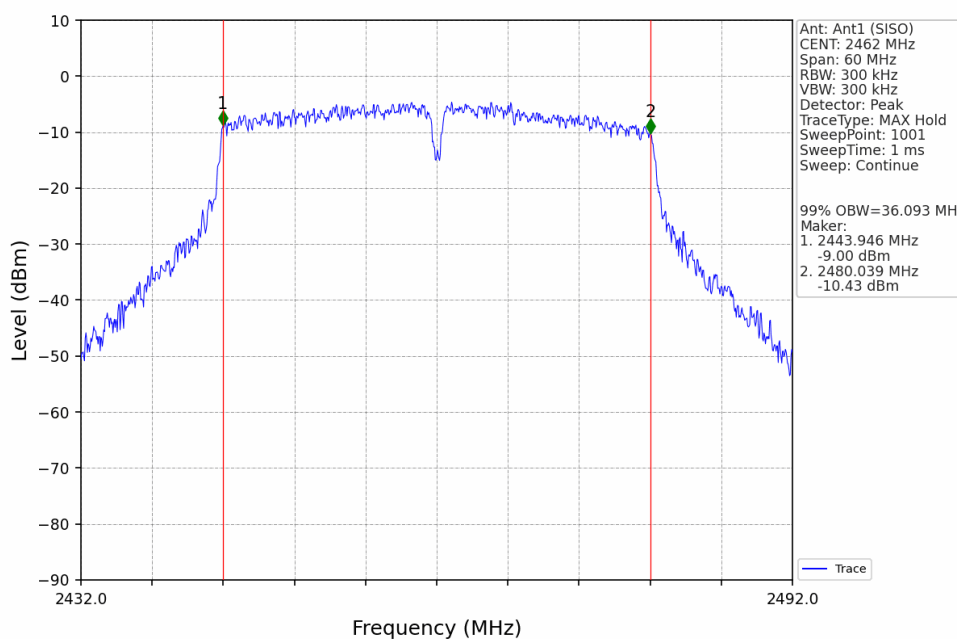
802.11n(HT20) 2472MHz Ant1 (SISO) NTNV



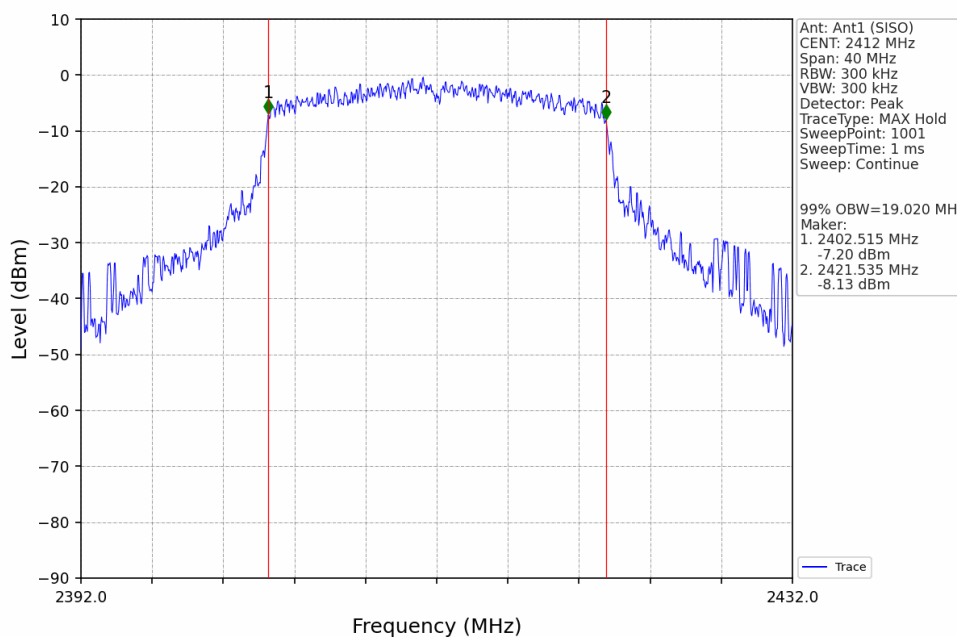
802.11n(HT40) 2422MHz Ant1 (SISO) NTVN



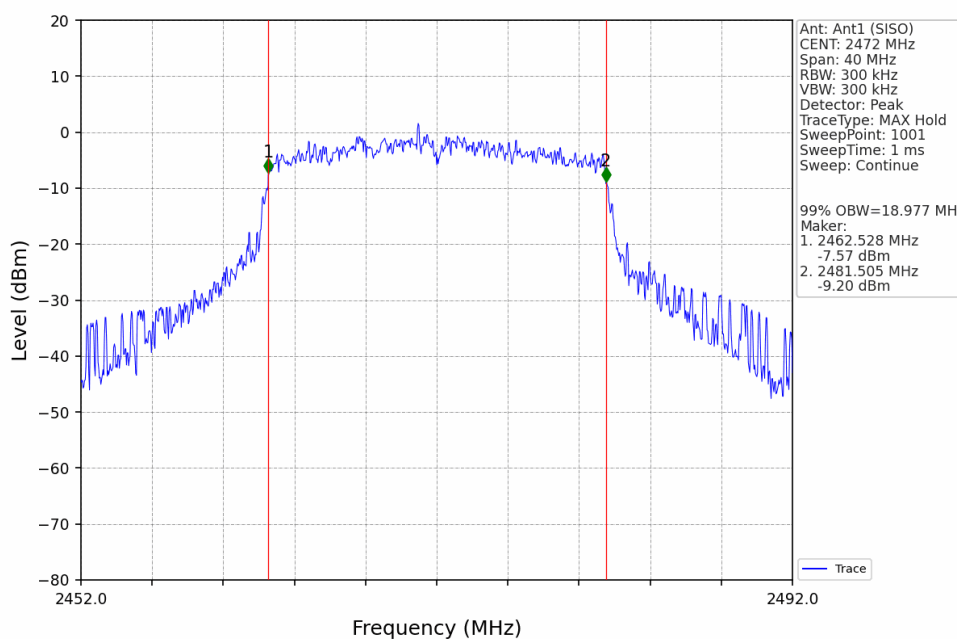
802.11n(HT40) 2462MHz Ant1 (SISO) NTVN



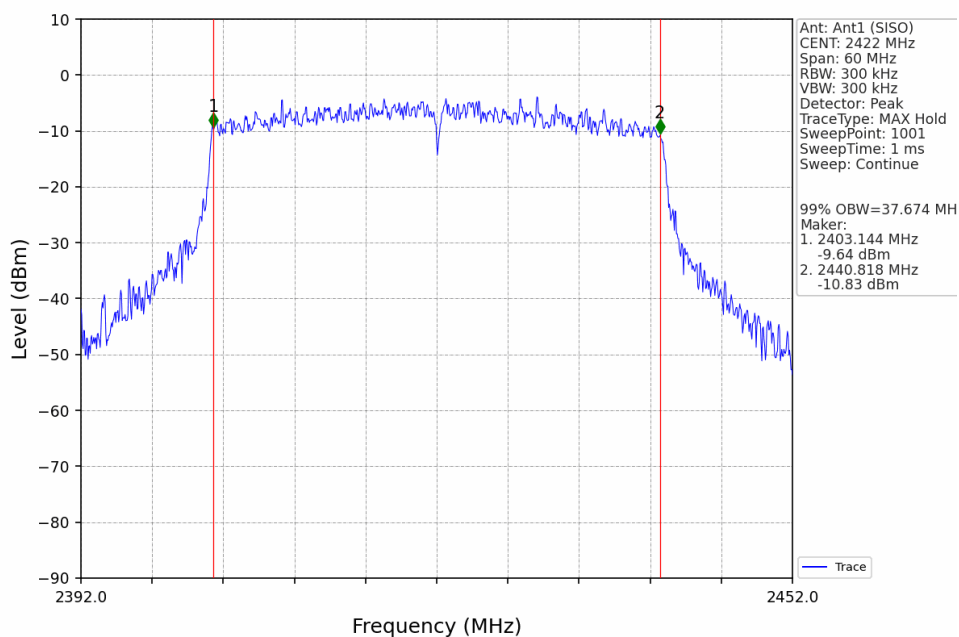
802.11ax(HEW20) 2412MHz FU / Ant1 (SISO) NTNV



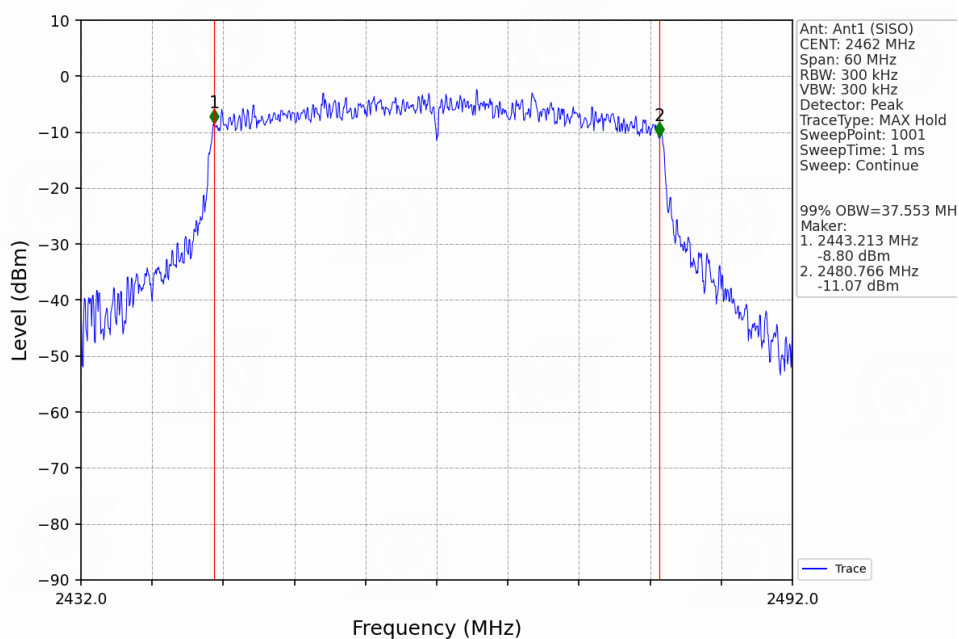
802.11ax(HEW20) 2472MHz FU / Ant1 (SISO) NTNV



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



802.11ax(HEW40) 2462MHz FU / Ant1 (SISO) NTNV



### 3. Antenna Power

#### 3.1 Test Result

##### 3.1.1 Power

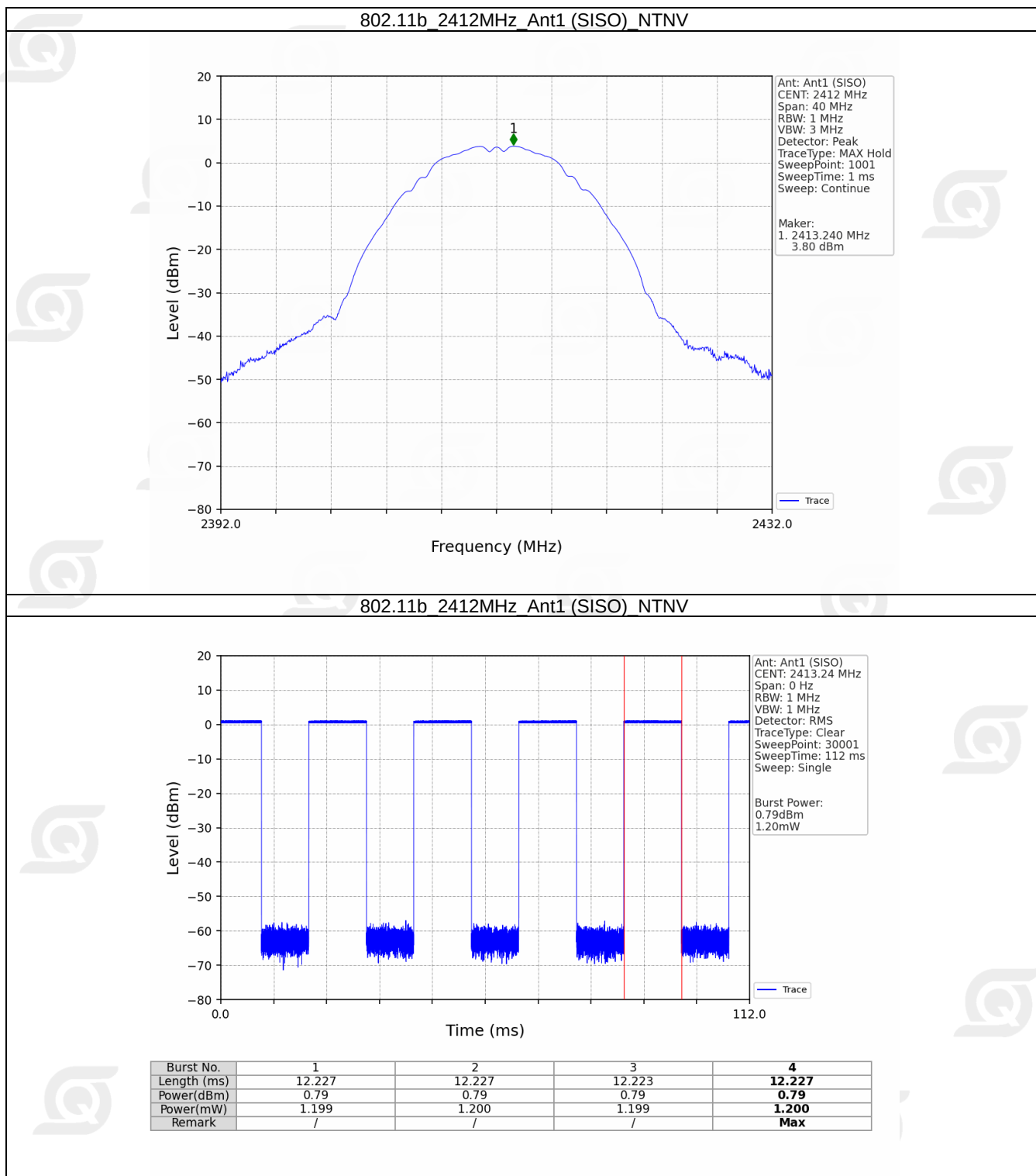
| ENV  | Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | Antenna Power (mW/MHz) |         | Nominal Power (mW/MHz) | Tolerance (%) |       | Verdict |
|------|------------------|---------|-----------------|----|--------|-----|------------------------|---------|------------------------|---------------|-------|---------|
|      |                  |         |                 |    |        |     | MeaFUred               | Limit   |                        | MeaFUred      | Limit |         |
| NTNV | 802.11b          | SISO    | 2412            | /  | /      | 1   | 1.200                  | <=10.00 | 1.5                    | -20.00        | <=20  | Pass    |
|      |                  |         | 2472            | /  | /      | 1   | 1.256                  | <=10.00 | 1.5                    | -16.27        | <=20  | Pass    |
|      | 802.11g          | SISO    | 2412            | /  | /      | 1   | 0.465                  | <=10.00 | 0.5                    | -7.00         | <=20  | Pass    |
|      |                  |         | 2472            | /  | /      | 1   | 0.507                  | <=10.00 | 0.5                    | 1.40          | <=20  | Pass    |
|      | 802.11n (HT20)   | SISO    | 2412            | /  | /      | 1   | 0.410                  | <=10.00 | 0.5                    | -18.00        | <=20  | Pass    |
|      |                  |         | 2472            | /  | /      | 1   | 0.446                  | <=10.00 | 0.5                    | -10.80        | <=20  | Pass    |
|      | 802.11n (HT40)   | SISO    | 2422            | /  | /      | 1   | 0.199                  | <=5.00  | 0.2                    | -0.50         | <=20  | Pass    |
|      |                  |         | 2462            | /  | /      | 1   | 0.254                  | <=5.00  | 0.2                    | 27.00         | <=20  | Pass    |
|      | 802.11ax (HEW20) | SISO    | 2412            | FU | /      | 1   | 0.392                  | <=10.00 | 0.5                    | -21.60        | <=20  | Pass    |
|      |                  |         | 2472            | FU | /      | 1   | 0.415                  | <=10.00 | 0.5                    | -17.00        | <=20  | Pass    |
|      | 802.11ax (HEW40) | SISO    | 2422            | FU | /      | 1   | 0.176                  | <=5.00  | 0.2                    | -12.00        | <=20  | Pass    |
|      |                  |         | 2462            | FU | /      | 1   | 0.227                  | <=5.00  | 0.2                    | 13.50         | <=20  | Pass    |

##### 3.1.2 EIRP

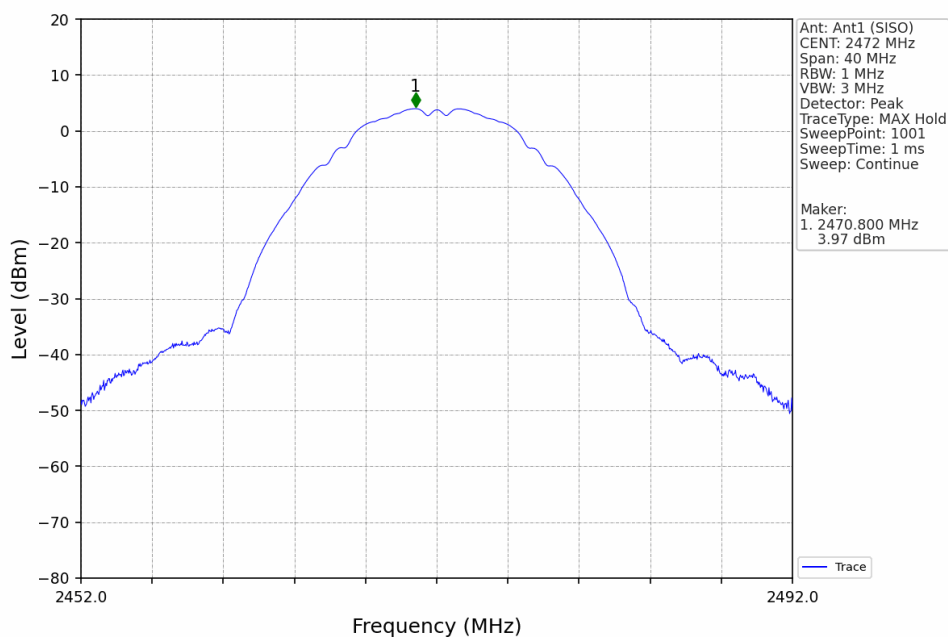
| ENV  | Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | Gain (dBi) | EIRP (dBm/MHz) |         | Verdict |
|------|------------------|---------|-----------------|----|--------|-----|------------|----------------|---------|---------|
|      |                  |         |                 |    |        |     |            | Result         | Limit   |         |
| NTNV | 802.11b          | SISO    | 2412            | /  | /      | 1   | 2.20       | 2.99           | <=12.14 | Pass    |
|      |                  |         | 2472            | /  | /      | 1   | 2.20       | 3.19           | <=12.14 | Pass    |
|      | 802.11g          | SISO    | 2412            | /  | /      | 1   | 2.20       | -1.13          | <=12.14 | Pass    |
|      |                  |         | 2472            | /  | /      | 1   | 2.20       | -0.75          | <=12.14 | Pass    |
|      | 802.11n (HT20)   | SISO    | 2412            | /  | /      | 1   | 2.20       | -1.67          | <=12.14 | Pass    |
|      |                  |         | 2472            | /  | /      | 1   | 2.20       | -1.31          | <=12.14 | Pass    |
|      | 802.11n (HT40)   | SISO    | 2422            | /  | /      | 1   | 2.20       | -4.81          | <=9.13  | Pass    |
|      |                  |         | 2462            | /  | /      | 1   | 2.20       | -3.75          | <=9.13  | Pass    |
|      | 802.11ax (HEW20) | SISO    | 2412            | FU | /      | 1   | 2.20       | -1.87          | <=12.14 | Pass    |
|      |                  |         | 2472            | FU | /      | 1   | 2.20       | -1.62          | <=12.14 | Pass    |
|      | 802.11ax (HEW40) | SISO    | 2422            | FU | /      | 1   | 2.20       | -5.34          | <=9.13  | Pass    |
|      |                  |         | 2462            | FU | /      | 1   | 2.20       | -4.24          | <=9.13  | Pass    |

## 3.2 Test Graph

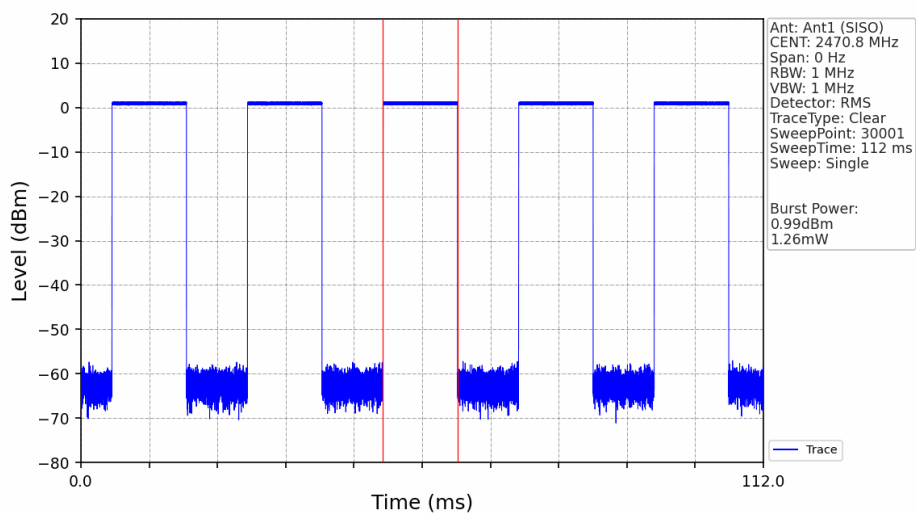
### 3.2.1 Power



802.11b 2472MHz Ant1 (SISO) NTNV

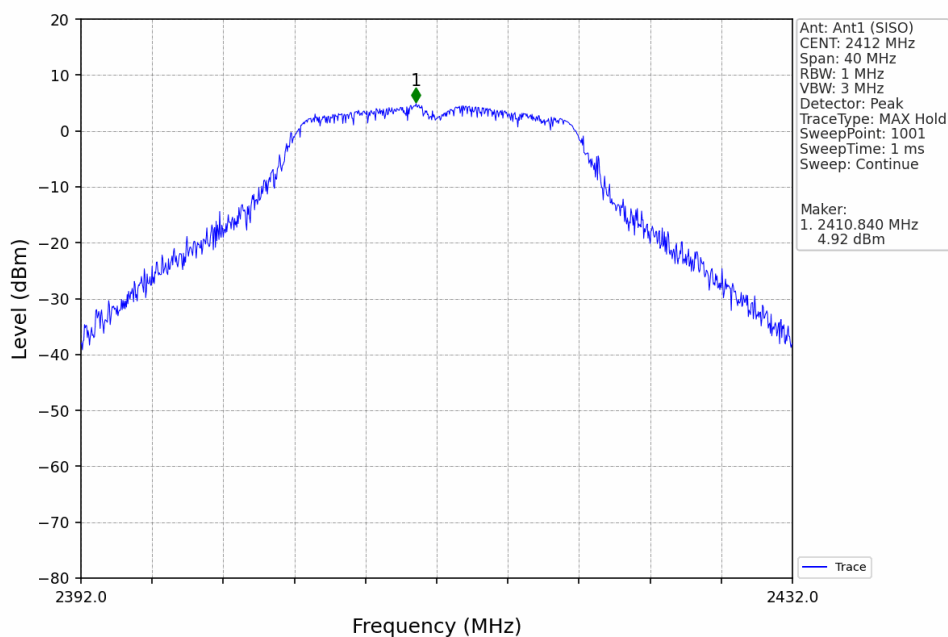


802.11b 2472MHz Ant1 (SISO) NTNV

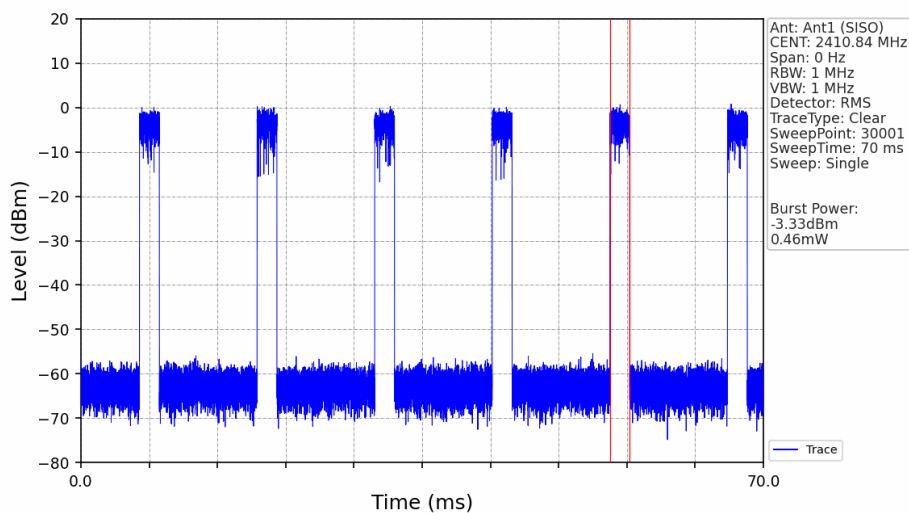


| Burst No.   | 1      | 2      | 3      | 4      | 5      |
|-------------|--------|--------|--------|--------|--------|
| Length (ms) | 12.227 | 12.227 | 12.227 | 12.223 | 12.227 |
| Power(dBm)  | 0.97   | 0.97   | 0.99   | 0.98   | 0.98   |
| Power(mW)   | 1.251  | 1.251  | 1.256  | 1.254  | 1.252  |
| Remark      | /      | /      | Max    | /      | /      |

802.11g 2412MHz Ant1 (SISO) NTNV

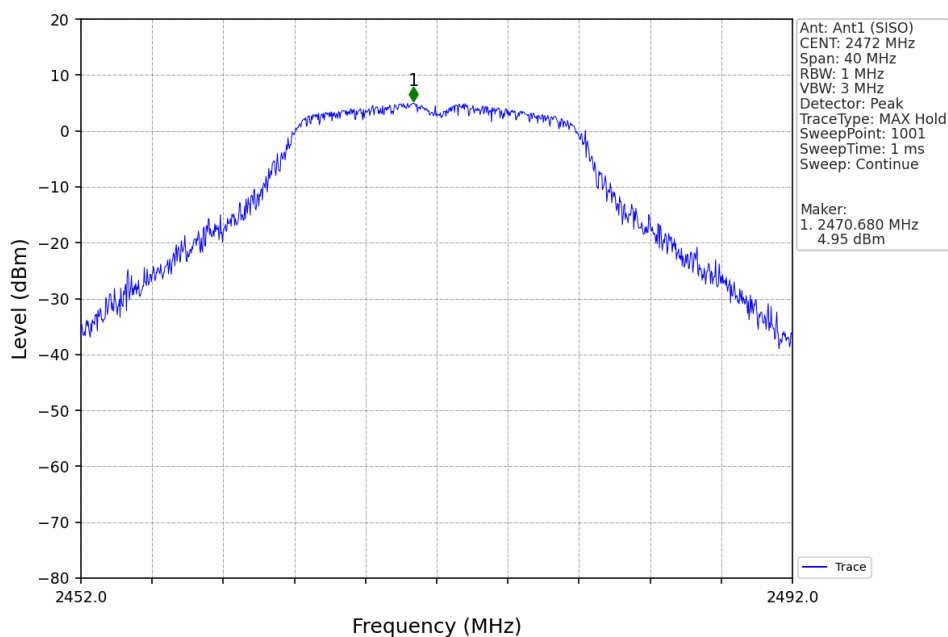


802.11g 2412MHz Ant1 (SISO) NTNV

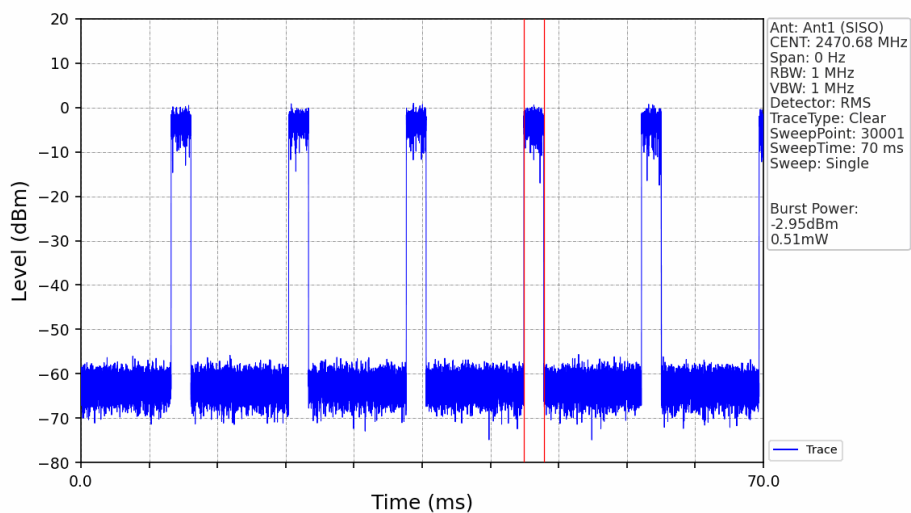


| Burst No.   | 1     | 2     | 3     | 4     | 5            | 6     |
|-------------|-------|-------|-------|-------|--------------|-------|
| Length (ms) | 2.032 | 2.035 | 2.032 | 2.032 | <b>2.032</b> | 2.032 |
| Power(dBm)  | -3.44 | -3.38 | -3.45 | -3.37 | <b>-3.33</b> | -3.40 |
| Power(mW)   | 0.453 | 0.460 | 0.452 | 0.460 | <b>0.465</b> | 0.457 |
| Remark      | /     | /     | /     | /     | <b>Max</b>   | /     |

802.11g 2472MHz Ant1 (SISO) NTNV

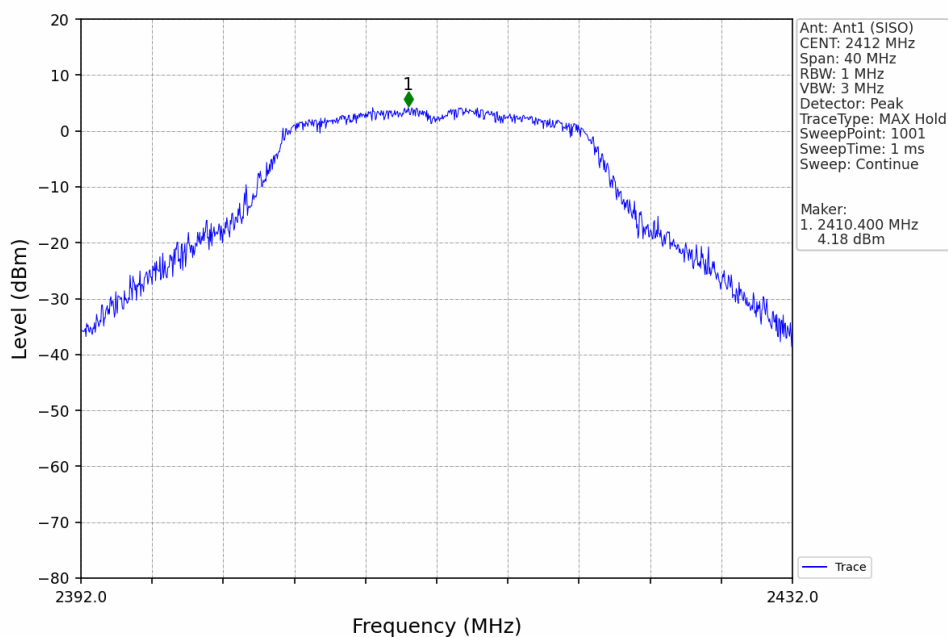


802.11g 2472MHz Ant1 (SISO) NTNV

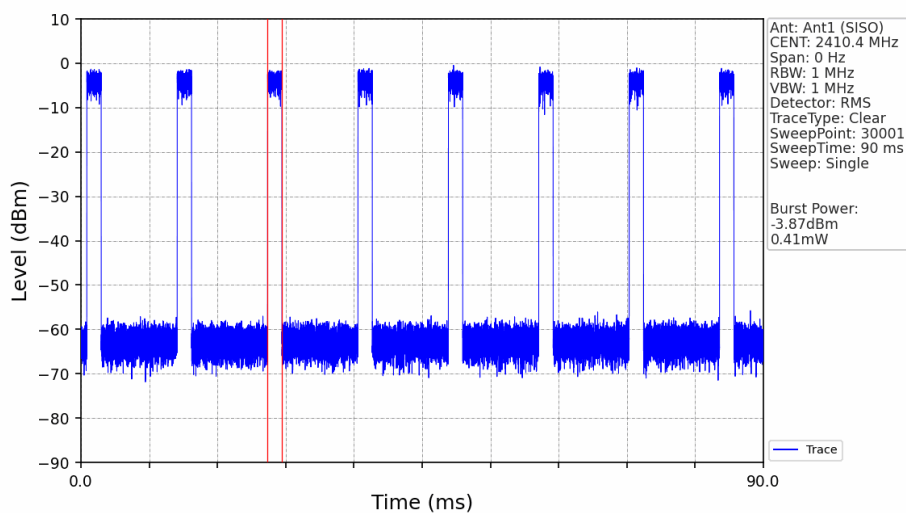


| Burst No.   | 1     | 2     | 3     | 4            | 5     |
|-------------|-------|-------|-------|--------------|-------|
| Length (ms) | 2.032 | 2.035 | 2.032 | <b>2.032</b> | 2.032 |
| Power(dBm)  | -3.06 | -2.97 | -2.97 | <b>-2.95</b> | -3.01 |
| Power(mW)   | 0.494 | 0.505 | 0.505 | <b>0.507</b> | 0.500 |
| Remark      | /     | /     | /     | <b>Max</b>   | /     |

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

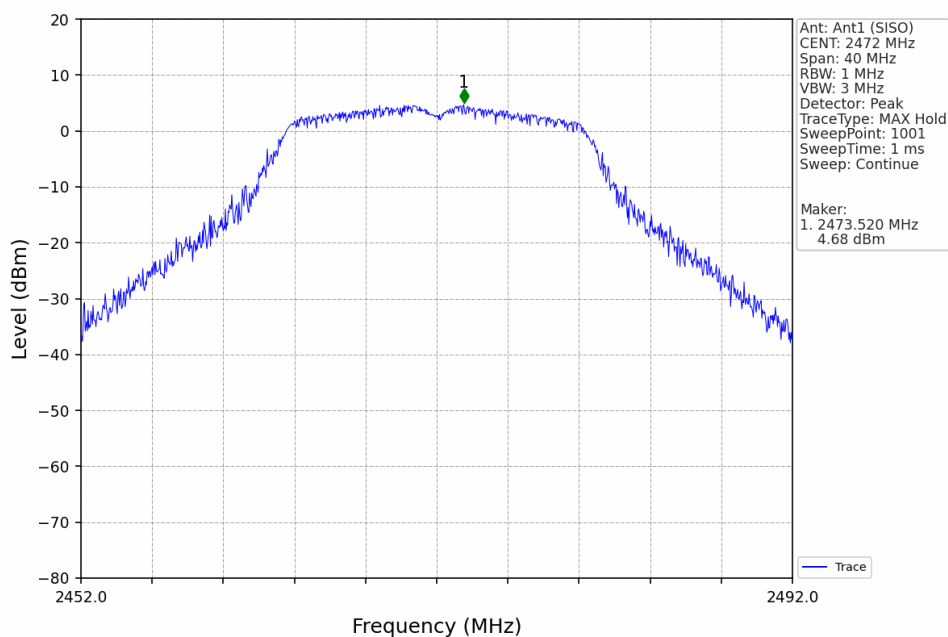


802.11n(HT20) 2412MHz Ant1 (SISO) NTNV

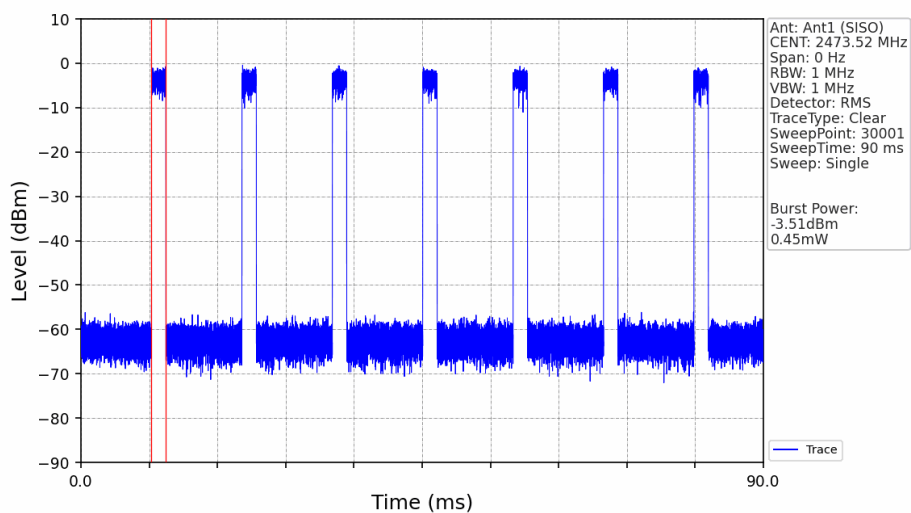


| Burst No.   | 1     | 2     | 3            | 4     | 5     | 6     | 7     | 8     |
|-------------|-------|-------|--------------|-------|-------|-------|-------|-------|
| Length (ms) | 1.896 | 1.893 | <b>1.893</b> | 1.893 | 1.893 | 1.893 | 1.893 | 1.893 |
| Power(dBm)  | -3.92 | -3.90 | <b>-3.87</b> | -3.88 | -3.89 | -3.92 | -3.88 | -3.92 |
| Power(mW)   | 0.405 | 0.407 | <b>0.410</b> | 0.409 | 0.408 | 0.405 | 0.410 | 0.405 |
| Remark      | /     | /     | <b>Max</b>   | /     | /     | /     | /     | /     |

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

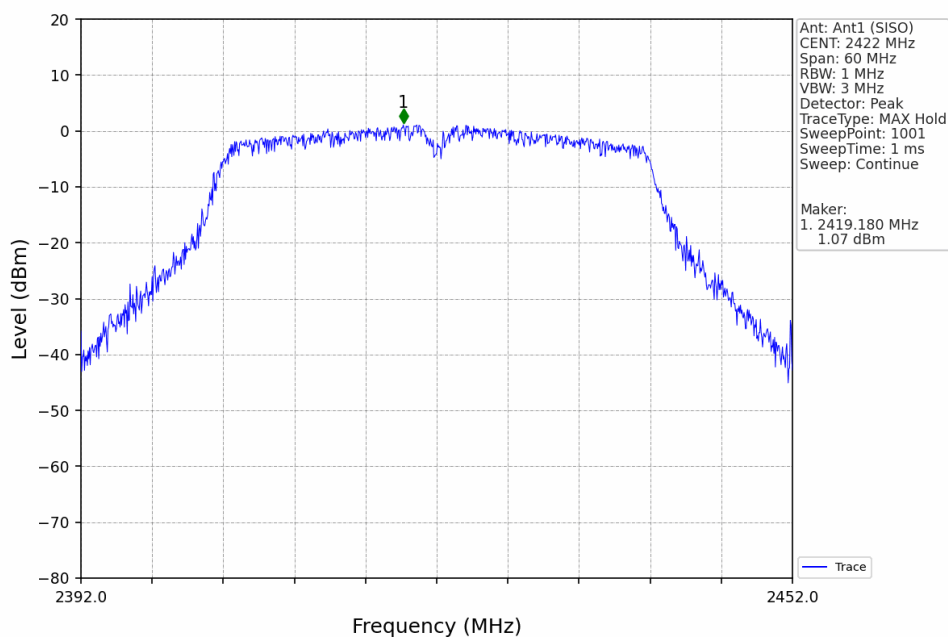


802.11n(HT20) 2472MHz Ant1 (SISO) NTNV

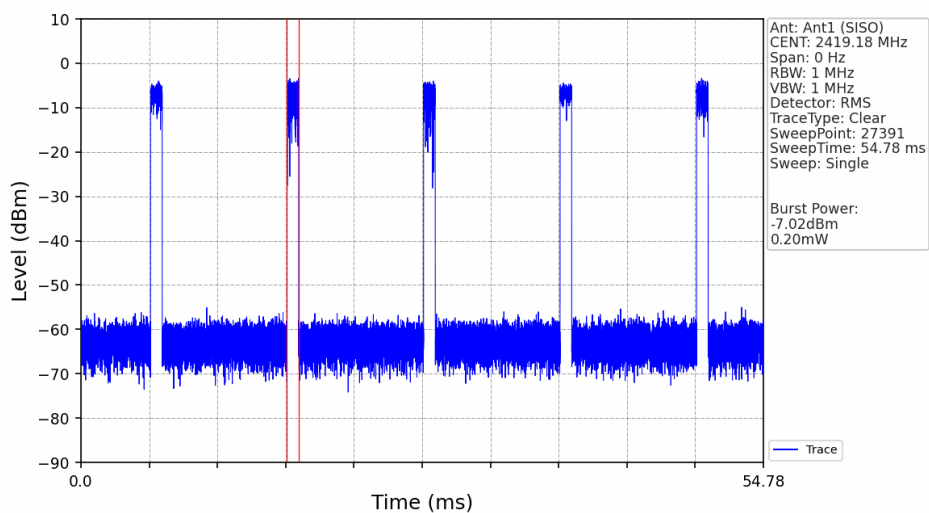


| Burst No.   | 1     | 2     | 3     | 4     | 5     | 6     | 7     |
|-------------|-------|-------|-------|-------|-------|-------|-------|
| Length (ms) | 1.893 | 1.893 | 1.896 | 1.893 | 1.896 | 1.893 | 1.893 |
| Power(dBm)  | -3.51 | -3.56 | -3.59 | -3.59 | -3.58 | -3.57 | -3.55 |
| Power(mW)   | 0.446 | 0.440 | 0.438 | 0.438 | 0.438 | 0.439 | 0.442 |
| Remark      | Max   | /     | /     | /     | /     | /     | /     |

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

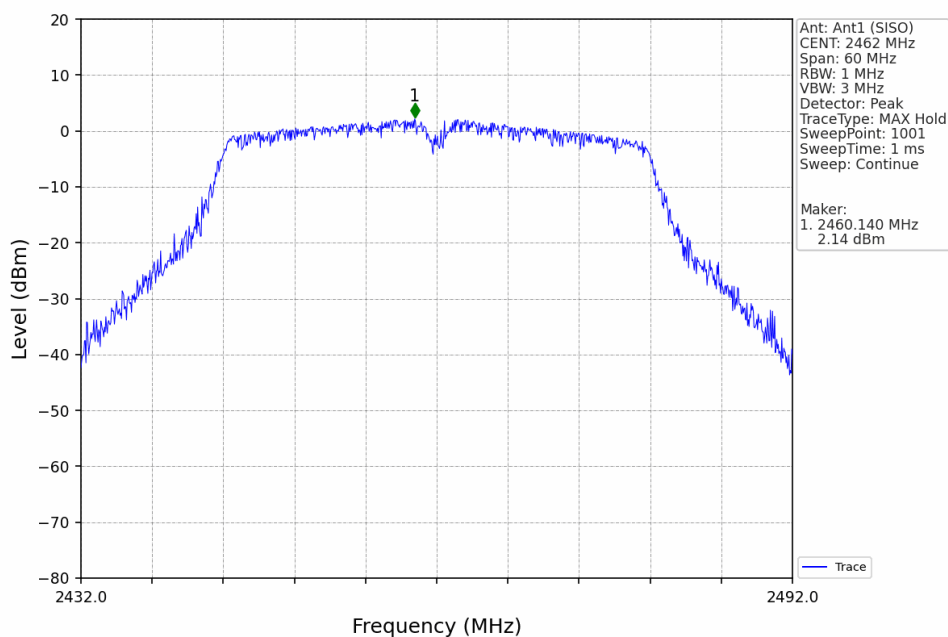


802.11n(HT40) 2422MHz Ant1 (SISO) NTNV

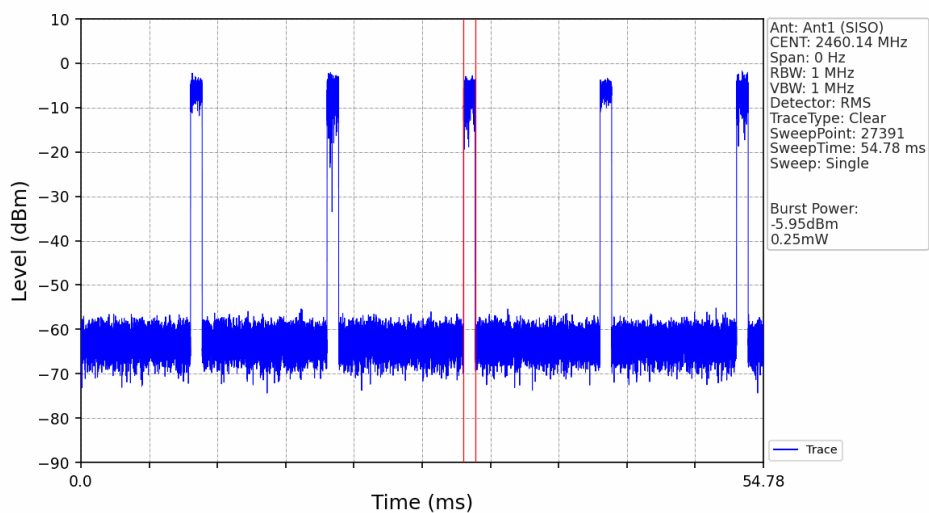


| Burst No.   | 1     | 2            | 3     | 4     | 5     |
|-------------|-------|--------------|-------|-------|-------|
| Length (ms) | 0.932 | <b>0.932</b> | 0.934 | 0.934 | 0.932 |
| Power(dBm)  | -7.04 | <b>-7.02</b> | -7.10 | -7.05 | -7.03 |
| Power(mW)   | 0.198 | <b>0.199</b> | 0.195 | 0.197 | 0.198 |
| Remark      | /     | <b>Max</b>   | /     | /     | /     |

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

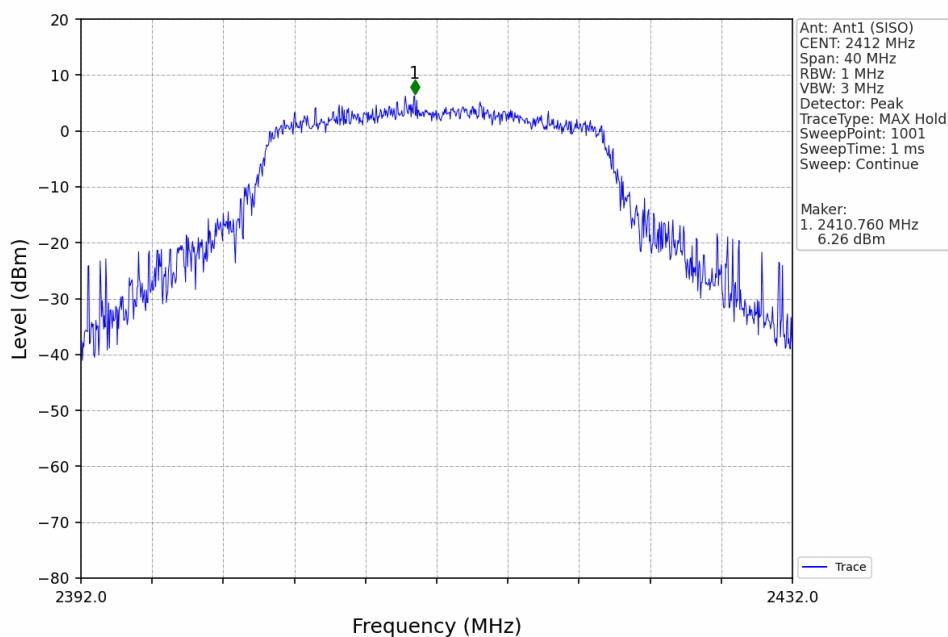


802.11n(HT40) 2462MHz Ant1 (SISO) NTNV

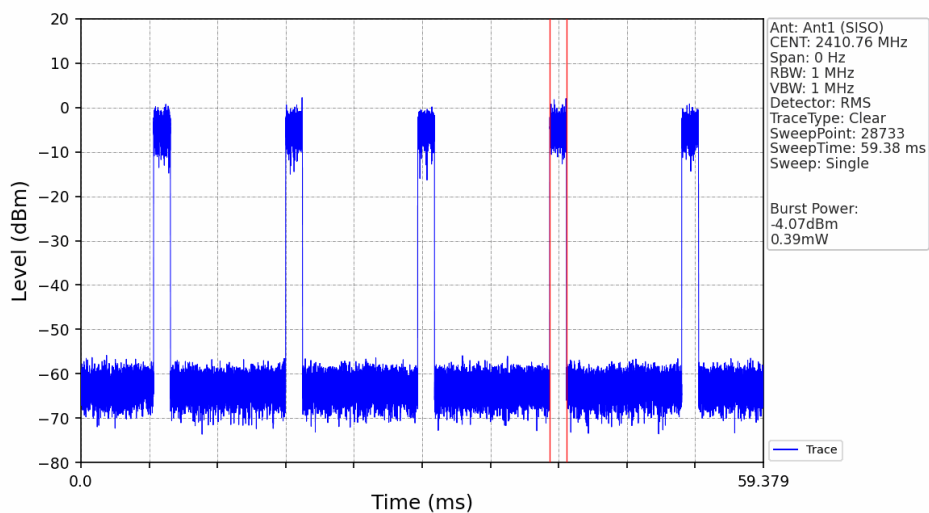


| Burst No.   | 1     | 2     | 3            | 4     | 5     |
|-------------|-------|-------|--------------|-------|-------|
| Length (ms) | 0.934 | 0.934 | <b>0.934</b> | 0.934 | 0.932 |
| Power(dBm)  | -6.02 | -5.96 | <b>-5.95</b> | -6.01 | -5.99 |
| Power(mW)   | 0.250 | 0.253 | <b>0.254</b> | 0.251 | 0.251 |
| Remark      | /     | /     | <b>Max</b>   | /     | /     |

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

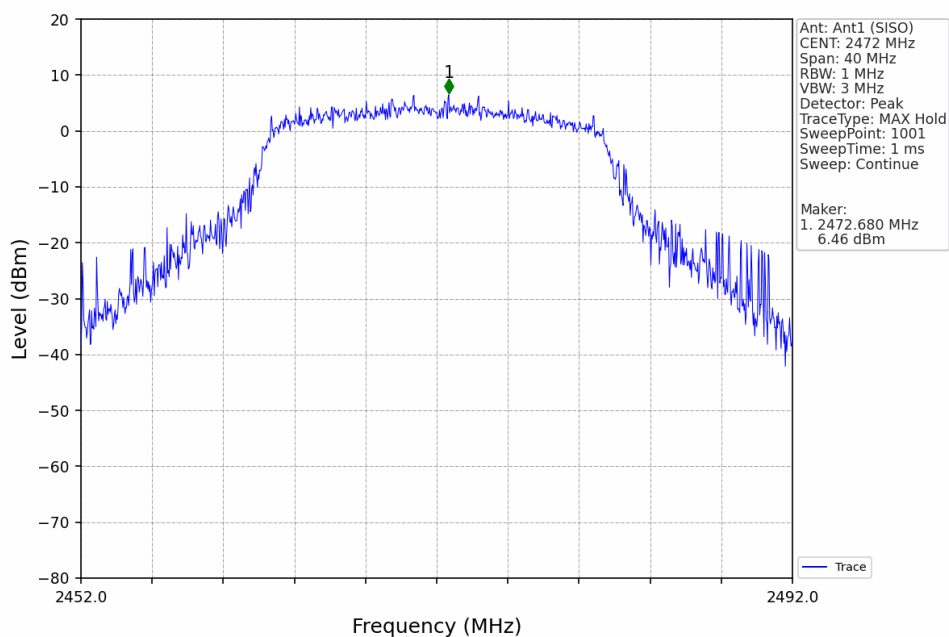


802.11ax(HEW20) 2412MHz FU / Ant1 (SISO) NTNV

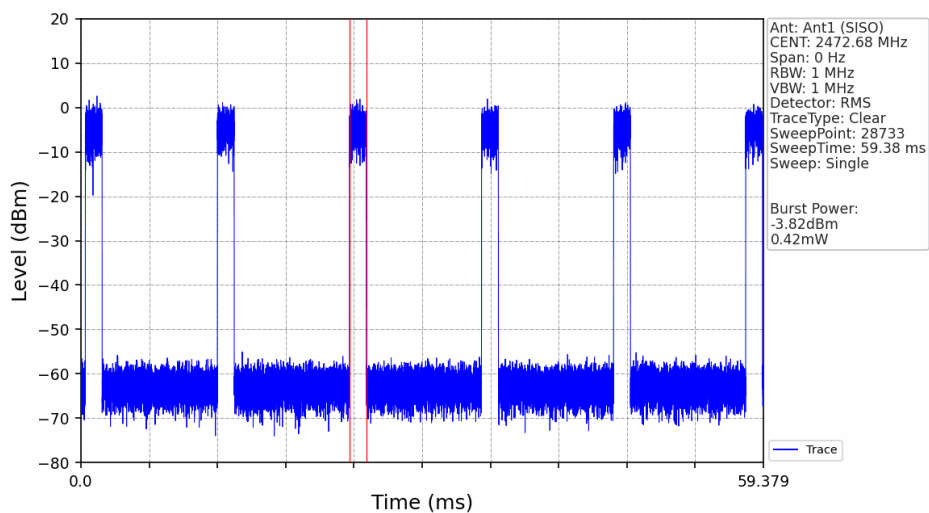


| Burst No.   | 1     | 2     | 3     | 4            | 5     |
|-------------|-------|-------|-------|--------------|-------|
| Length (ms) | 1.463 | 1.463 | 1.463 | <b>1.463</b> | 1.463 |
| Power(dBm)  | -4.15 | -4.13 | -4.15 | <b>-4.07</b> | -4.08 |
| Power(mW)   | 0.385 | 0.387 | 0.385 | <b>0.392</b> | 0.391 |
| Remark      | /     | /     | /     | <b>Max</b>   | /     |

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

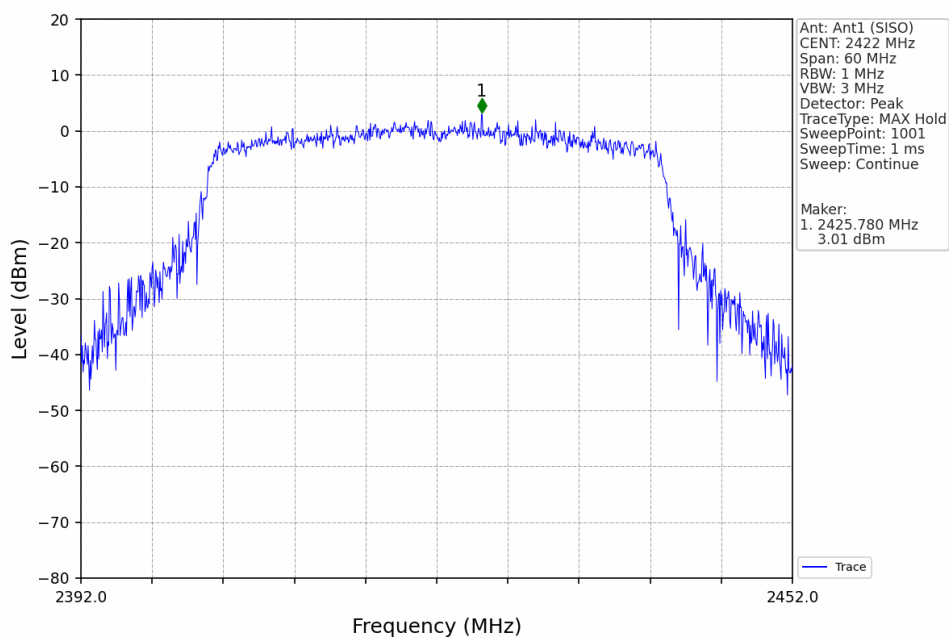


802.11ax(HEW20) 2472MHz FU / Ant1 (SISO) NTNV

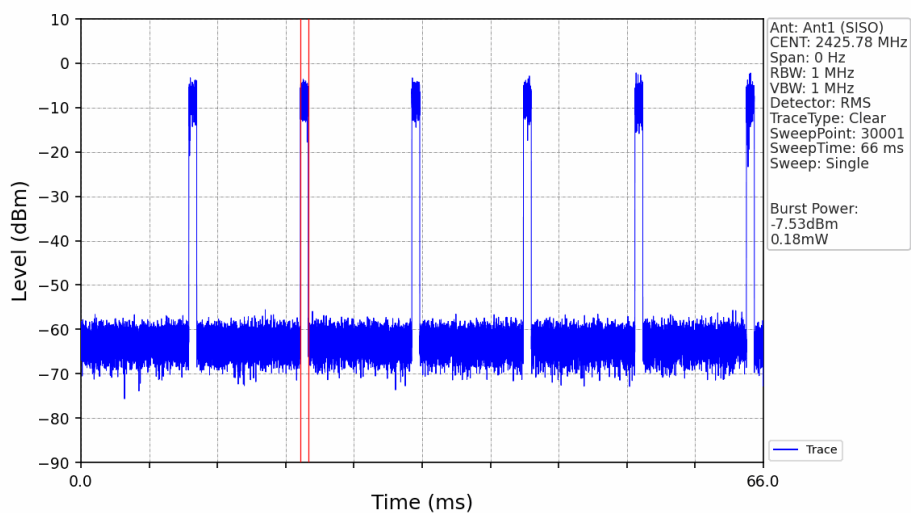


| Burst No.   | 1     | 2     | 3            | 4     | 5     | 6     |
|-------------|-------|-------|--------------|-------|-------|-------|
| Length (ms) | 1.463 | 1.461 | <b>1.463</b> | 1.463 | 1.463 | 1.463 |
| Power(dBm)  | -3.85 | -3.83 | <b>-3.82</b> | -3.85 | -3.86 | -3.83 |
| Power(mW)   | 0.413 | 0.414 | <b>0.415</b> | 0.412 | 0.411 | 0.414 |
| Remark      | /     | /     | <b>Max</b>   | /     | /     | /     |

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

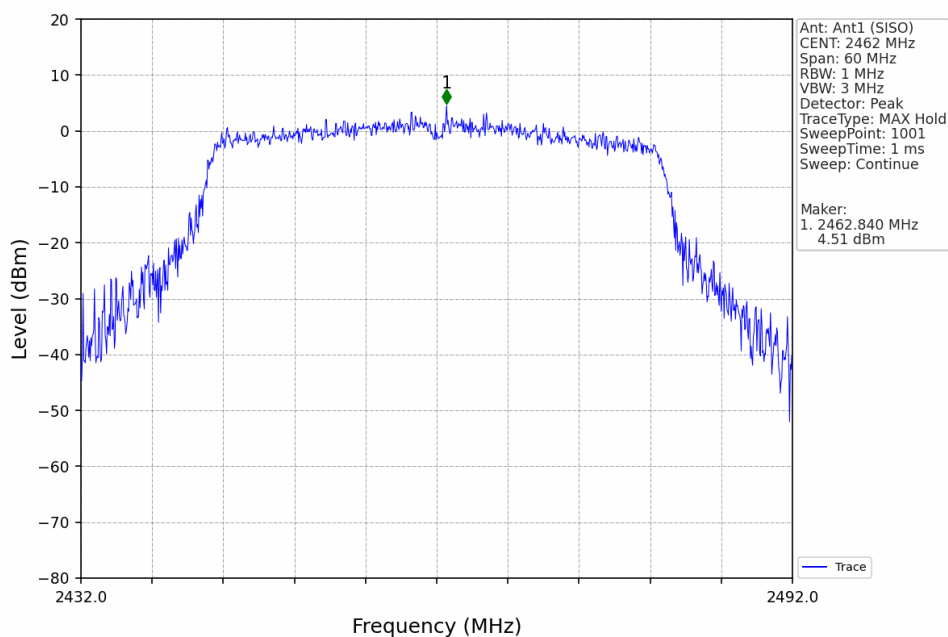


802.11ax(HEW40) 2422MHz FU / Ant1 (SISO) NTNV

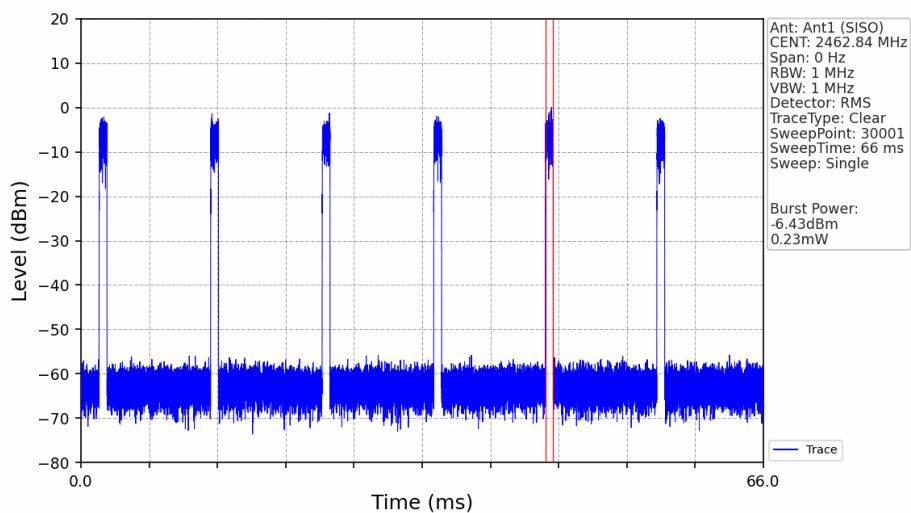


| Burst No.   | 1     | 2            | 3     | 4     | 5     | 6     |
|-------------|-------|--------------|-------|-------|-------|-------|
| Length (ms) | 0.763 | <b>0.763</b> | 0.763 | 0.763 | 0.766 | 0.763 |
| Power(dBm)  | -7.62 | <b>-7.53</b> | -7.59 | -7.58 | -7.60 | -7.60 |
| Power(mW)   | 0.173 | <b>0.176</b> | 0.174 | 0.175 | 0.174 | 0.174 |
| Remark      | /     | <b>Max</b>   | /     | /     | /     | /     |

802.11ax(HEW40) 2462MHz FU / Ant1 (SISO) NTNV



802.11ax(HEW40) 2462MHz FU / Ant1 (SISO) NTNV



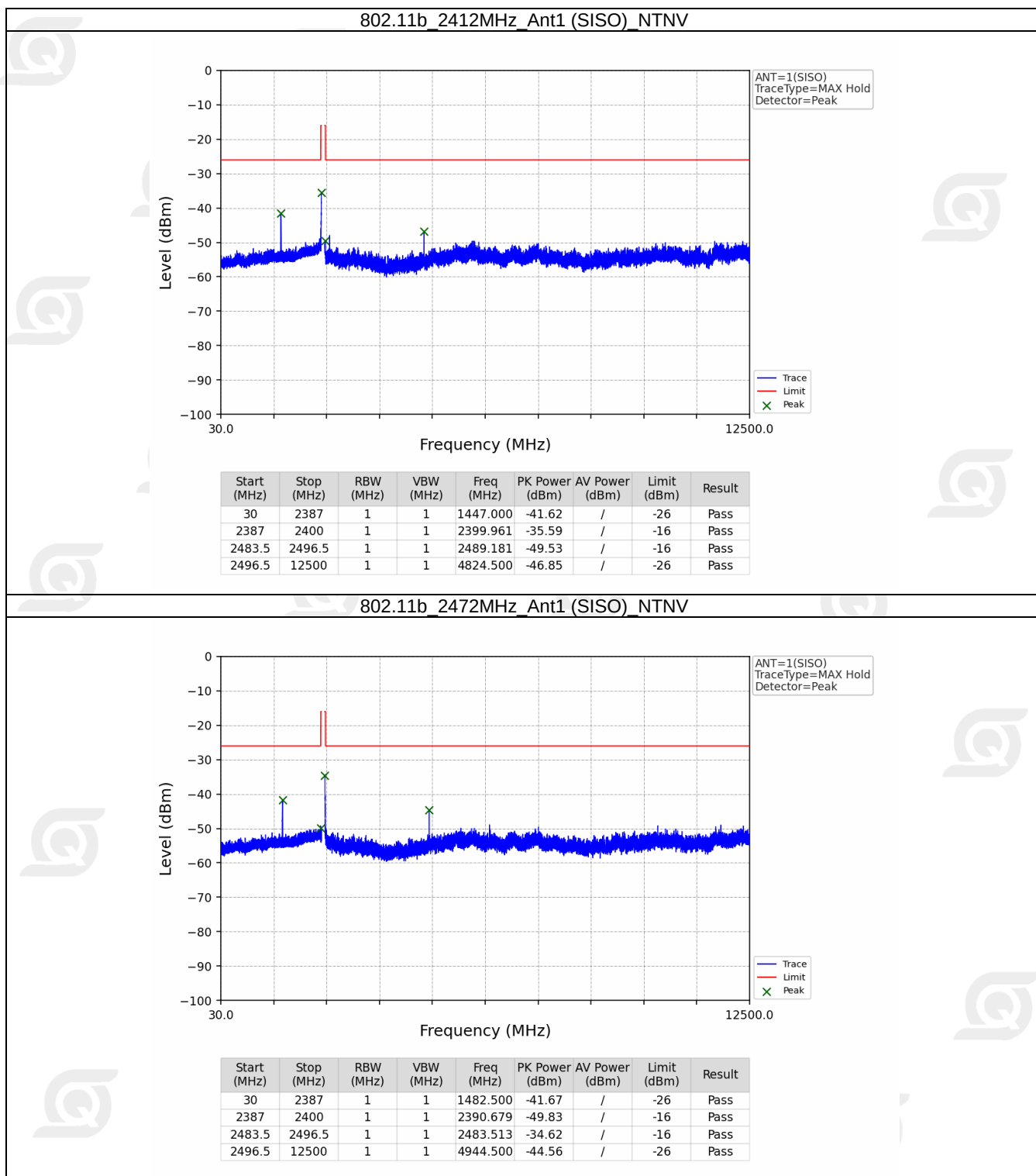
| Burst No.   | 1     | 2     | 3     | 4     | 5            | 6     |
|-------------|-------|-------|-------|-------|--------------|-------|
| Length (ms) | 0.763 | 0.763 | 0.766 | 0.763 | <b>0.763</b> | 0.763 |
| Power(dBm)  | -6.46 | -6.50 | -6.47 | -6.48 | <b>-6.43</b> | -6.47 |
| Power(mW)   | 0.226 | 0.224 | 0.226 | 0.225 | <b>0.227</b> | 0.226 |
| Remark      | /     | /     | /     | /     | <b>Max</b>   | /     |

## 4. Spurious Emission Intensity

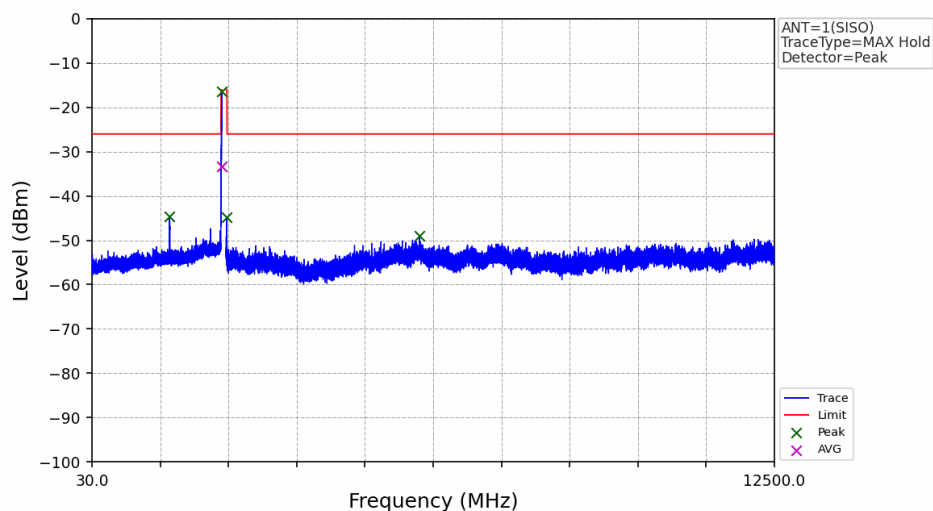
### 4.1 Test Result

| 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       | 1447        | -41.62              | 0.069              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2399.961    | -35.59              | 0.276              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2489.181    | -49.53              | 0.011              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 4824.5      | -46.85              | 0.021              | /                   | /                  | 2.5             | Pass    |
|                  |         | 2472        | /  | /      | 1   | 30          | 2387       | 1482.5      | -41.67              | 0.068              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2390.679    | -49.83              | 0.010              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2483.513    | -34.62              | 0.345              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 4944.5      | -44.56              | 0.035              | /                   | /                  | 2.5             | Pass    |
| 802.11g          | SISO    | 2412        | /  | /      | 1   | 30          | 2387       | 1447.5      | -44.62              | 0.035              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2399.896    | -16.44              | 22.699             | -33.34              | 0.463              | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2489.844    | -44.77              | 0.033              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 6017.5      | -48.92              | 0.013              | /                   | /                  | 2.5             | Pass    |
|                  |         | 2472        | /  | /      | 1   | 30          | 2387       | 2335        | -42.04              | 0.063              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2392.044    | -39.42              | 0.114              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2483.786    | -15.41              | 28.774             | -32.89              | 0.514              | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 2497.5      | -45.34              | 0.029              | /                   | /                  | 2.5             | Pass    |
| 802.11n (HT20)   | SISO    | 2412        | /  | /      | 1   | 30          | 2387       | 1449.5      | -43.67              | 0.043              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2399.844    | -14.21              | 37.931             | -32.61              | 0.548              | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2491.274    | -47.31              | 0.019              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 5576.5      | -49.20              | 0.012              | /                   | /                  | 2.5             | Pass    |
|                  |         | 2472        | /  | /      | 1   | 30          | 2387       | 2189        | -37.86              | 0.164              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2393.435    | -41.28              | 0.074              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2484.059    | -14.93              | 32.137             | -32.78              | 0.527              | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 5933        | -46.14              | 0.024              | /                   | /                  | 2.5             | Pass    |
| 802.11n (HT40)   | SISO    | 2422        | /  | /      | 1   | 30          | 2387       | 1453        | -47.33              | 0.018              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2399.948    | -21.62              | 6.887              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2492.756    | -43.60              | 0.044              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 7487.5      | -48.88              | 0.013              | /                   | /                  | 2.5             | Pass    |
|                  |         | 2462        | /  | /      | 1   | 30          | 2387       | 1479.5      | -46.09              | 0.025              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2389.769    | -42.59              | 0.055              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2483.565    | -19.88              | 10.280             | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 10734       | -49.02              | 0.013              | /                   | /                  | 2.5             | Pass    |
| 802.11ax (HEW20) | SISO    | 2412        | FU | /      | 1   | 30          | 2387       | 1449        | -43.51              | 0.045              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2399.701    | -14.92              | 32.211             | -36.56              | 0.221              | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2489.415    | -44.09              | 0.039              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 11785       | -48.21              | 0.015              | /                   | /                  | 2.5             | Pass    |
|                  |         | 2472        | FU | /      | 1   | 30          | 2387       | 1486        | -42.61              | 0.055              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2390.224    | -40.56              | 0.088              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2483.838    | -15.11              | 30.832             | -36.50              | 0.224              | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 10511.5     | -49.44              | 0.011              | /                   | /                  | 2.5             | Pass    |
| 802.11ax (HEW40) | SISO    | 2422        | FU | /      | 1   | 30          | 2387       | 1448.5      | -44.95              | 0.032              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2399.636    | -19.52              | 11.169             | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2484.085    | -50.91              | 0.008              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 12425.5     | -49.21              | 0.012              | /                   | /                  | 2.5             | Pass    |
|                  |         | 2462        | FU | /      | 1   | 30          | 2387       | 1480.5      | -44.72              | 0.034              | /                   | /                  | 2.5             | Pass    |
|                  |         |             |    |        |     | 2387        | 2400       | 2388.742    | -44.94              | 0.032              | /                   | /                  | 25              | Pass    |
|                  |         |             |    |        |     | 2483.5      | 2496.5     | 2483.565    | -18.99              | 12.618             | -40.30              | 0.093              | 25              | Pass    |
|                  |         |             |    |        |     | 2496.5      | 12500      | 5889        | -49.14              | 0.012              | /                   | /                  | 2.5             | Pass    |

## 4.2 Test Graph

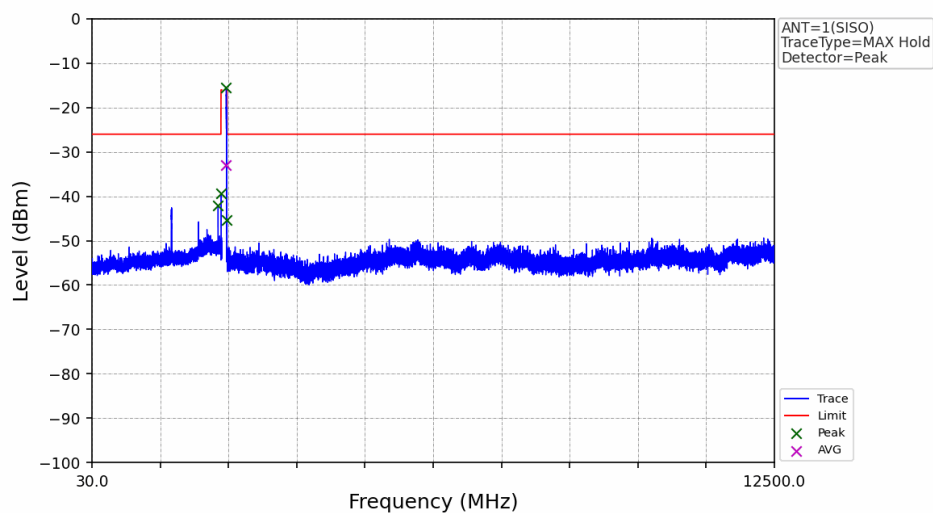


802.11g 2412MHz Ant1 (SISO) NTN



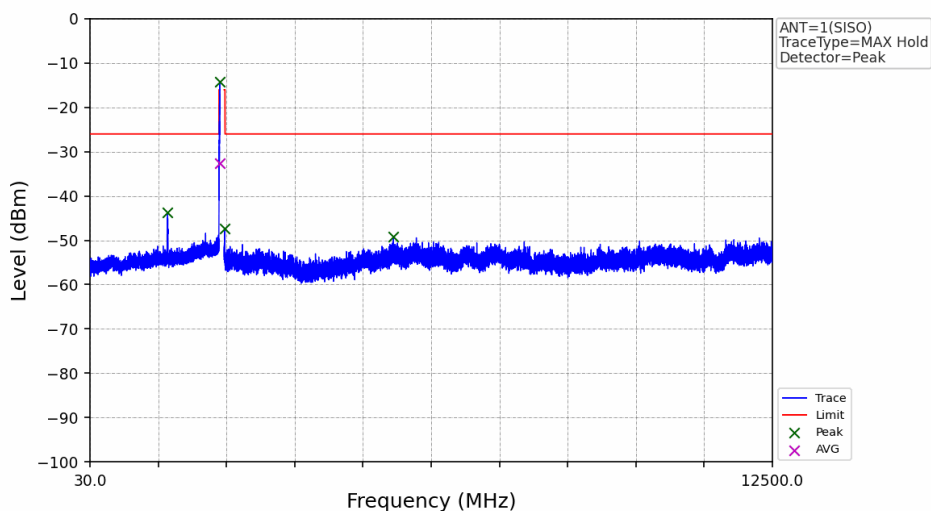
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1447.500   | -44.62         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.896   | -16.44         | -33.34         | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2489.844   | -44.77         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 6017.500   | -48.92         | /              | -26         | Pass   |

802.11g 2472MHz Ant1 (SISO) NTN



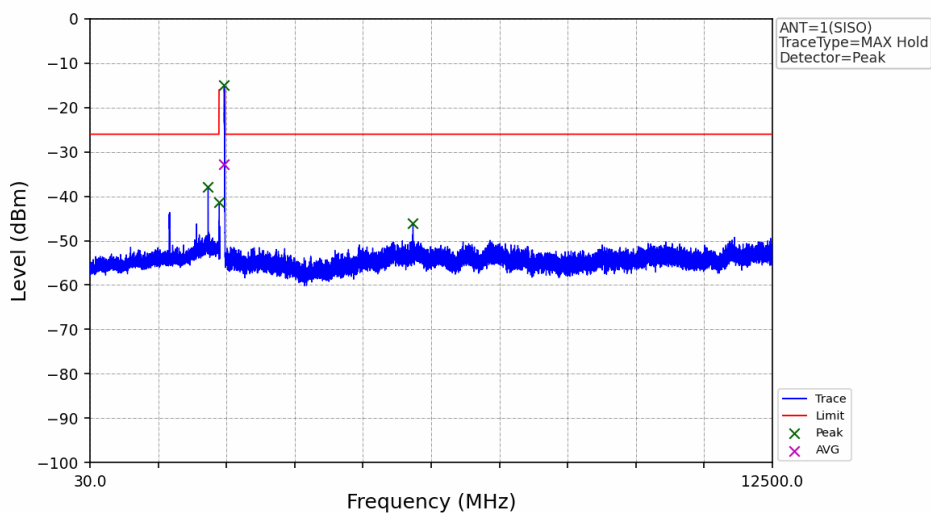
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2335.000   | -42.04         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2392.044   | -39.42         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.786   | -15.41         | -32.89         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 2497.500   | -45.34         | /              | -26         | Pass   |

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



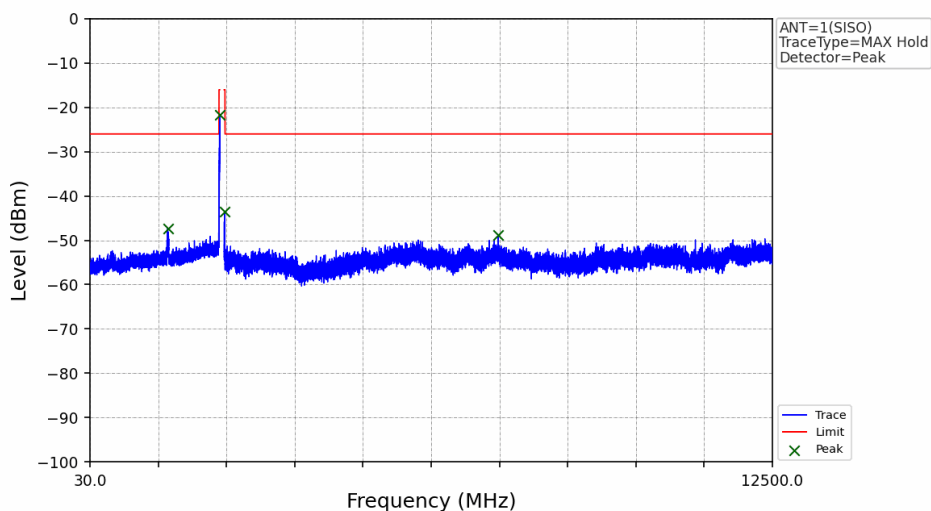
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1449.500   | -43.67         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.844   | -14.21         | -32.61         | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2491.274   | -47.31         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 5576.500   | -49.20         | /              | -26         | Pass   |

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



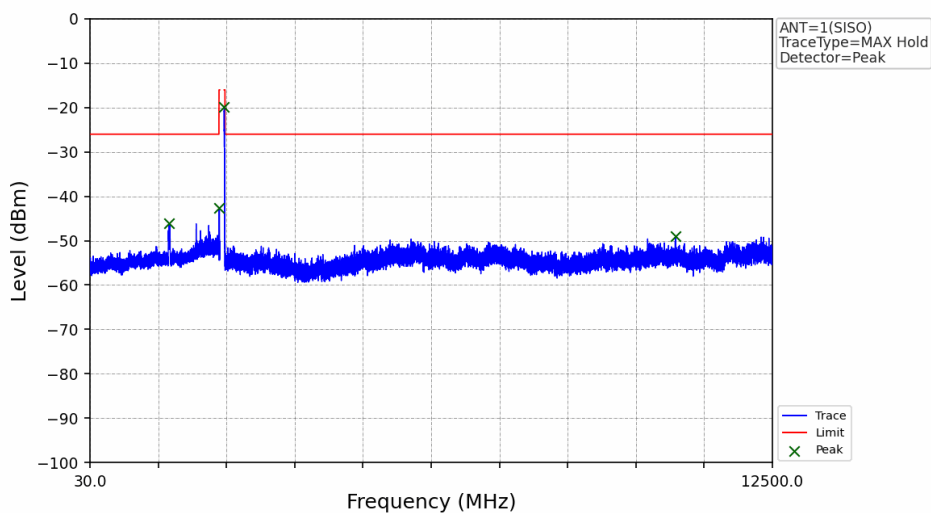
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2189.000   | -37.86         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2393.435   | -41.28         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2484.059   | -14.93         | -32.78         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 5933.000   | -46.14         | /              | -26         | Pass   |

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



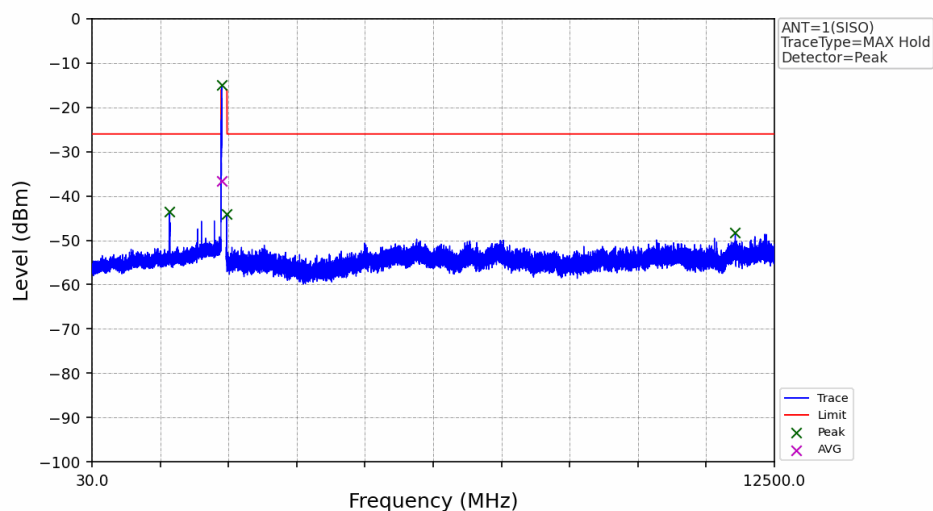
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1453.000   | -47.33         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.948   | -21.62         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2492.756   | -43.60         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 7487.500   | -48.88         | /              | -26         | Pass   |

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



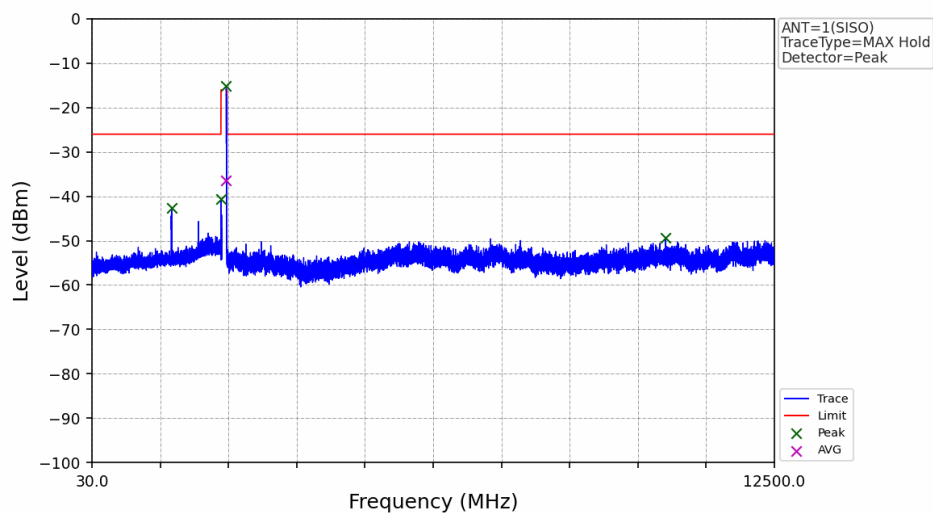
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1479.500   | -46.09         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2389.769   | -42.59         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.565   | -19.88         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 10734.000  | -49.02         | /              | -26         | Pass   |

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



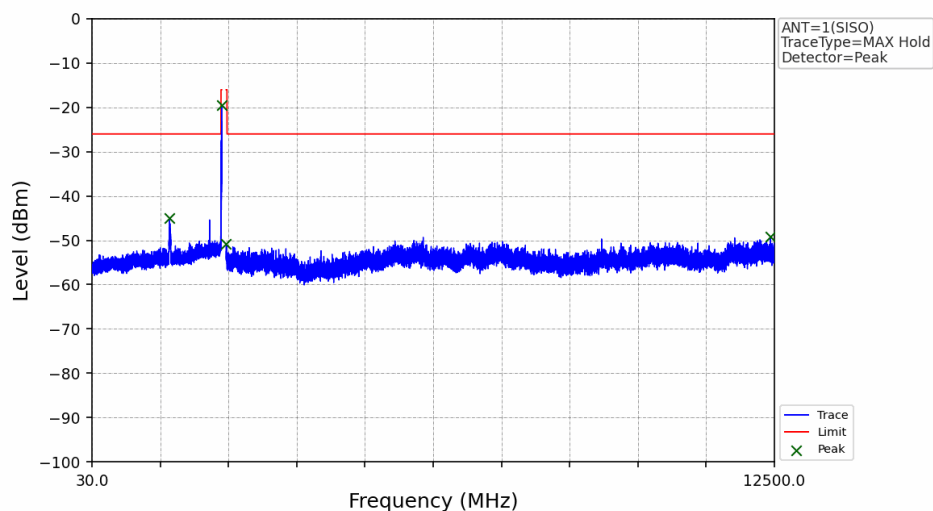
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1449.000   | -43.51         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.701   | -14.92         | -36.56         | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2489.415   | -44.09         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 11785.000  | -48.21         | /              | -26         | Pass   |

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



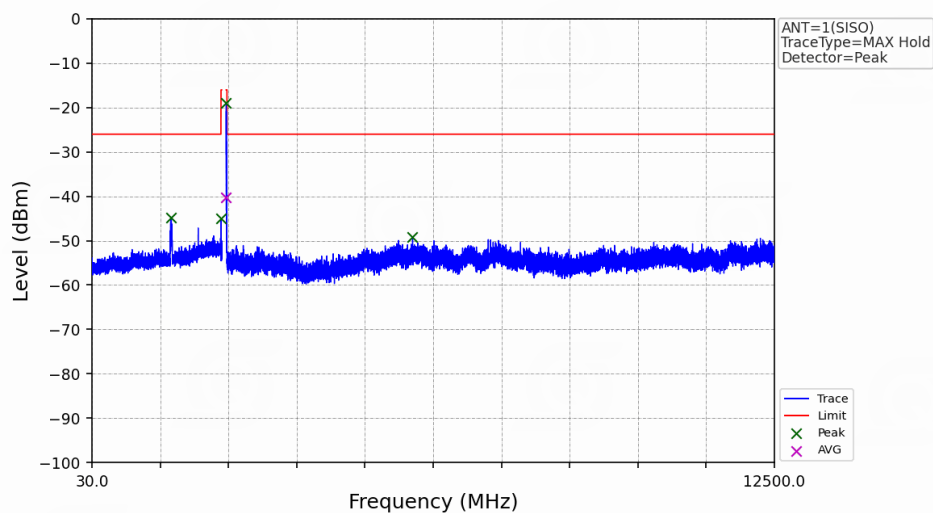
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1486.000   | -42.61         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2390.224   | -40.56         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.838   | -15.11         | -36.50         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 10511.500  | -49.44         | /              | -26         | Pass   |

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



| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1448.500   | -44.95         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.636   | -19.52         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2484.085   | -50.91         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 12425.500  | -49.21         | /              | -26         | Pass   |

802.11ax(HEW40) 2462MHz FU / Ant1 (SISO) NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 1480.500   | -44.72         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2388.742   | -44.94         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.565   | -18.99         | -40.30         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 5889.000   | -49.14         | /              | -26         | Pass   |

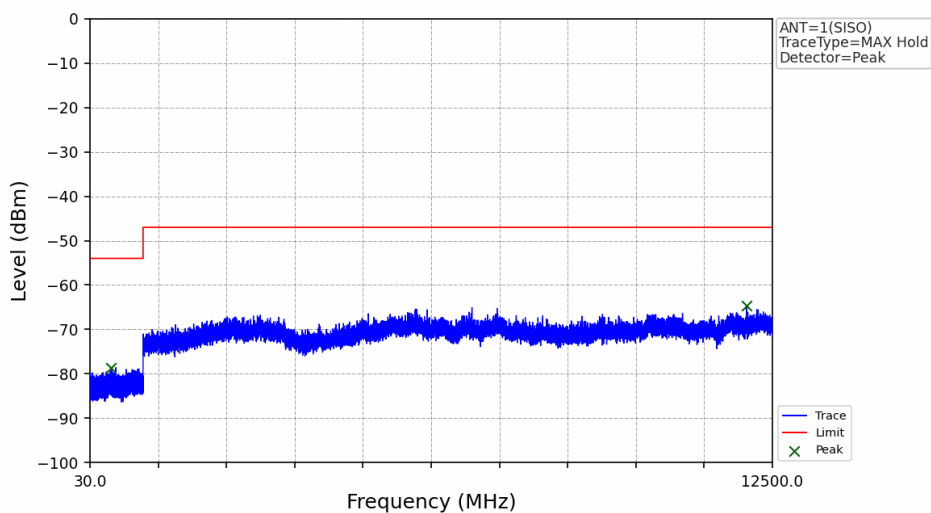
## 5. Secondary Radiated Emission

### 5.1 Test Result

| 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       | 419.35      | -78.62         | 0.014         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 12028.5     | -64.70         | 0.339         | /              | /             | 20         | Pass    |
|                  |         | 2472        | /  | /      | 1   | 30          | 1000       | 823.7       | -78.47         | 0.014         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 11777.5     | -65.03         | 0.314         | /              | /             | 20         | Pass    |
| 802.11g          | SISO    | 2412        | /  | /      | 1   | 30          | 1000       | 500.05      | -77.73         | 0.017         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 12186       | -65.11         | 0.308         | /              | /             | 20         | Pass    |
|                  |         | 2472        | /  | /      | 1   | 30          | 1000       | 879.65      | -78.38         | 0.015         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 12206       | -65.68         | 0.270         | /              | /             | 20         | Pass    |
| 802.11n (HT20)   | SISO    | 2412        | /  | /      | 1   | 30          | 1000       | 391.25      | -78.71         | 0.013         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 11755       | -65.38         | 0.290         | /              | /             | 20         | Pass    |
|                  |         | 2472        | /  | /      | 1   | 30          | 1000       | 500.05      | -77.84         | 0.016         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 11753.5     | -64.80         | 0.331         | /              | /             | 20         | Pass    |
| 802.11n (HT40)   | SISO    | 2422        | /  | /      | 1   | 30          | 1000       | 500.05      | -77.59         | 0.017         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 7568        | -65.42         | 0.287         | /              | /             | 20         | Pass    |
|                  |         | 2462        | /  | /      | 1   | 30          | 1000       | 500.05      | -77.50         | 0.018         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 12433.5     | -63.88         | 0.409         | /              | /             | 20         | Pass    |
| 802.11ax (HEW20) | SISO    | 2412        | FU | /      | 1   | 30          | 1000       | 500.05      | -78.38         | 0.015         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 5612.5      | -64.26         | 0.375         | /              | /             | 20         | Pass    |
|                  |         | 2472        | FU | /      | 1   | 30          | 1000       | 794.95      | -77.78         | 0.017         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 7440        | -64.44         | 0.360         | /              | /             | 20         | Pass    |
| 802.11ax (HEW40) | SISO    | 2422        | FU | /      | 1   | 30          | 1000       | 500.05      | -77.10         | 0.019         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 12283       | -65.17         | 0.304         | /              | /             | 20         | Pass    |
|                  |         | 2462        | FU | /      | 1   | 30          | 1000       | 500         | -77.57         | 0.017         | /              | /             | 4          | Pass    |
|                  |         |             |    |        |     | 1000        | 12500      | 10285.5     | -64.91         | 0.323         | /              | /             | 20         | Pass    |

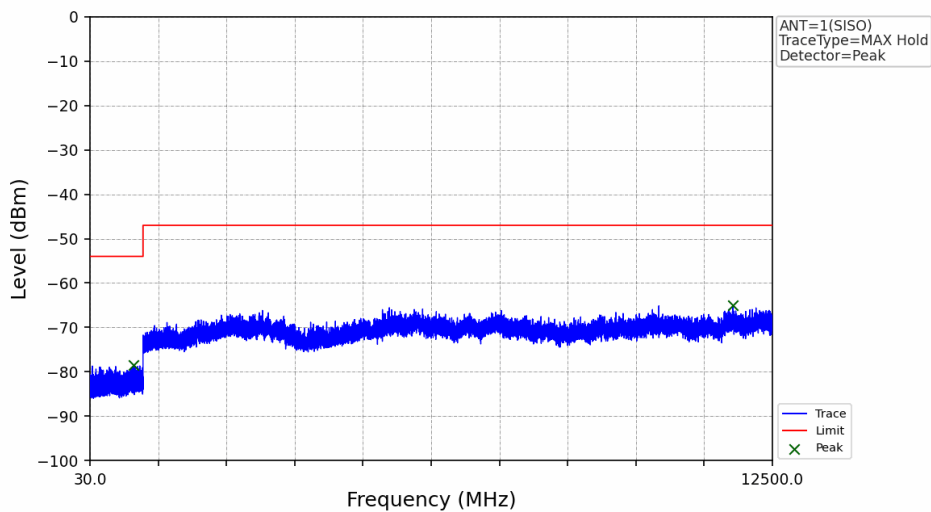
## 5.2 Test Graph

802.11b\_2412MHz\_Ant1 (SISO)\_NTNV



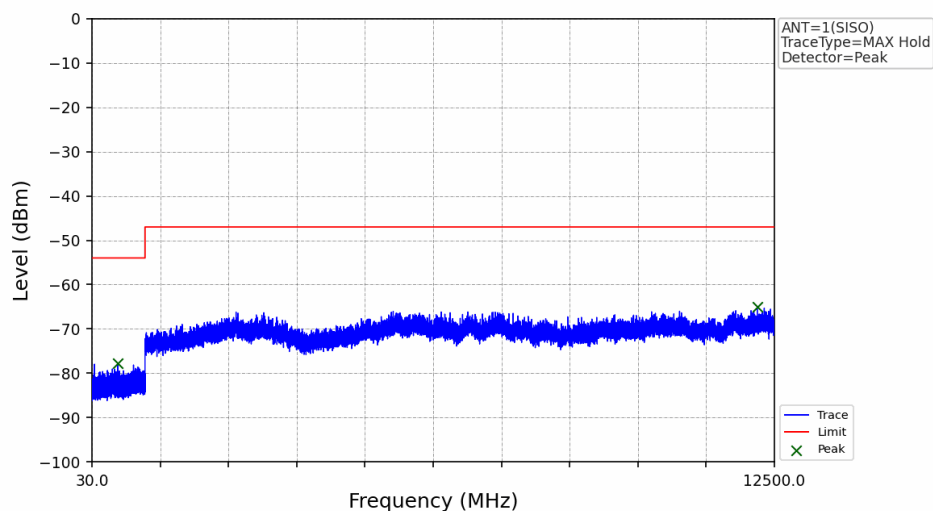
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 419.350    | -78.62         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 12028.500  | -64.70         | /              | -47         | Pass   |

802.11b\_2472MHz\_Ant1 (SISO)\_NTNV



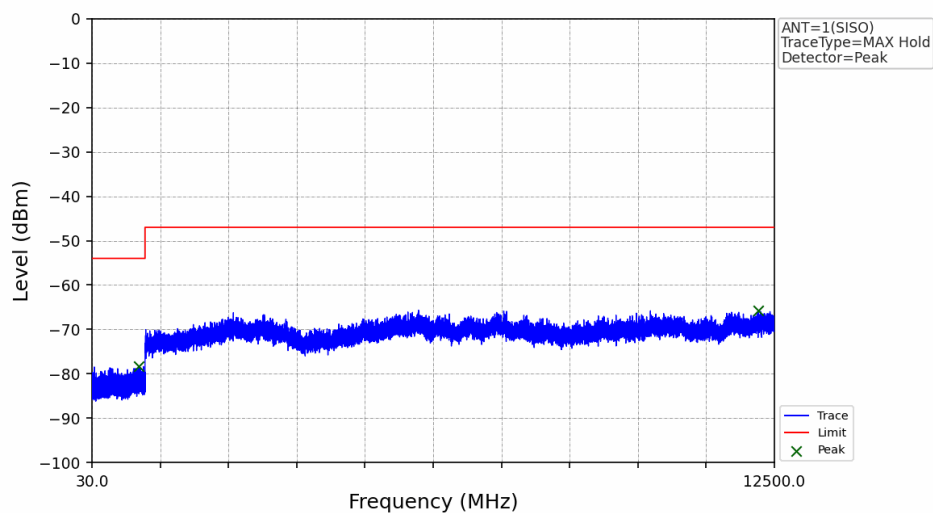
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 823.700    | -78.47         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 11777.500  | -65.03         | /              | -47         | Pass   |

802.11g 2412MHz Ant1 (SISO) NTNV



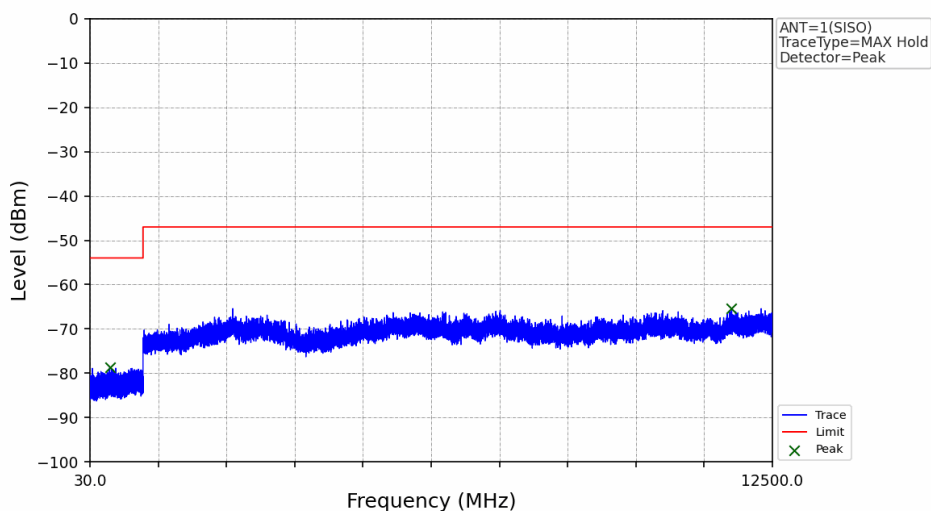
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 500.050    | -77.73         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 12186.000  | -65.11         | /              | -47         | Pass   |

802.11g 2472MHz Ant1 (SISO) NTNV



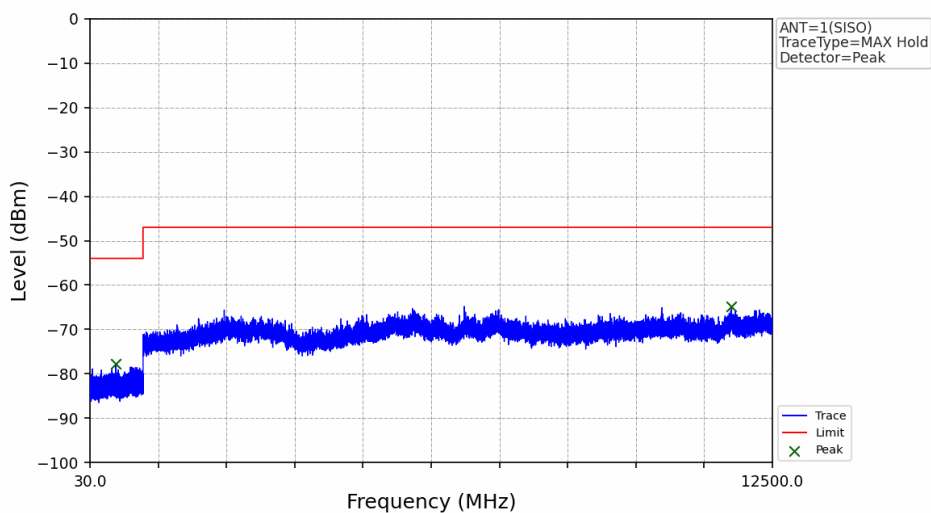
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 879.650    | -78.38         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 12206.000  | -65.68         | /              | -47         | Pass   |

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



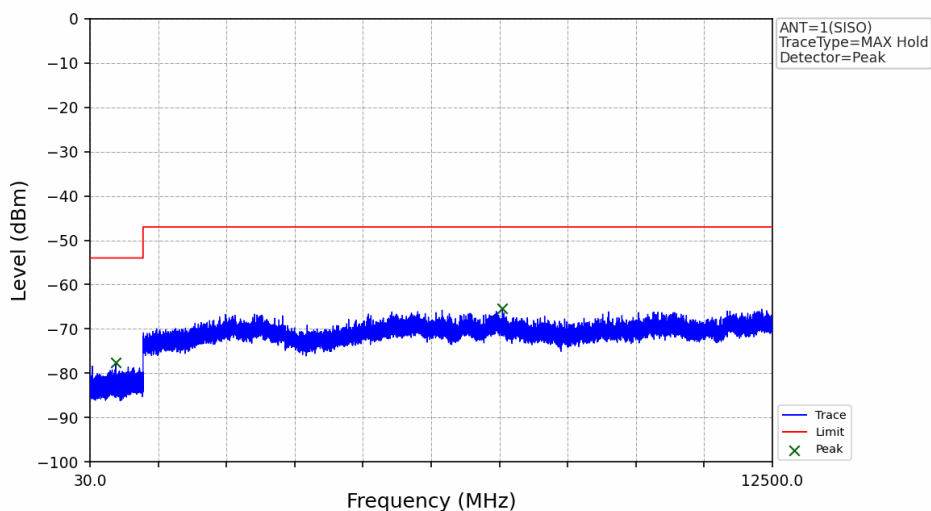
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 391.250    | -78.71         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 11755.000  | -65.38         | /              | -47         | Pass   |

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



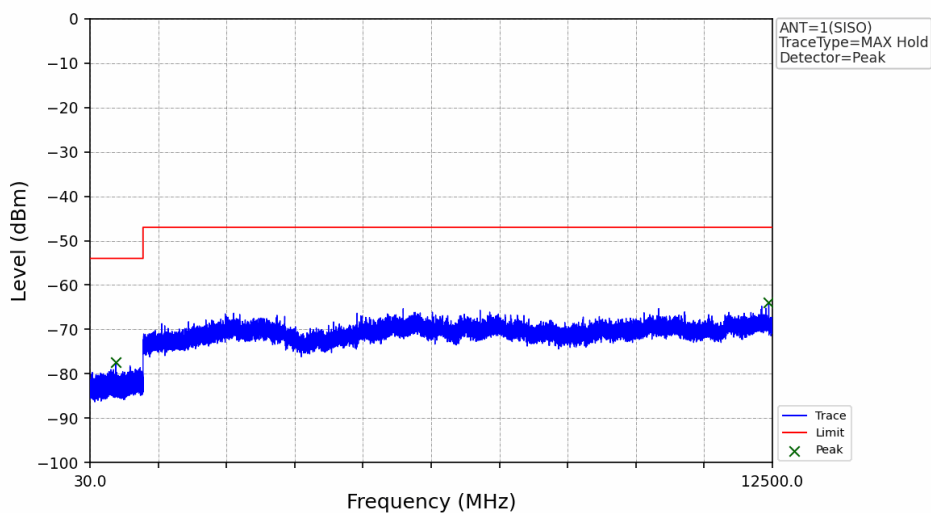
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 500.050    | -77.84         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 11753.500  | -64.80         | /              | -47         | Pass   |

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



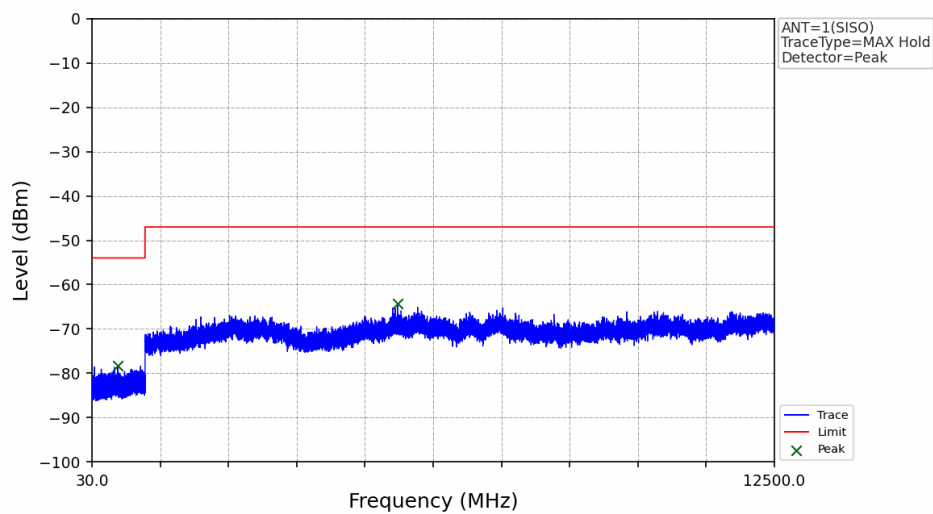
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 500.050    | -77.59         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 7568.000   | -65.42         | /              | -47         | Pass   |

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



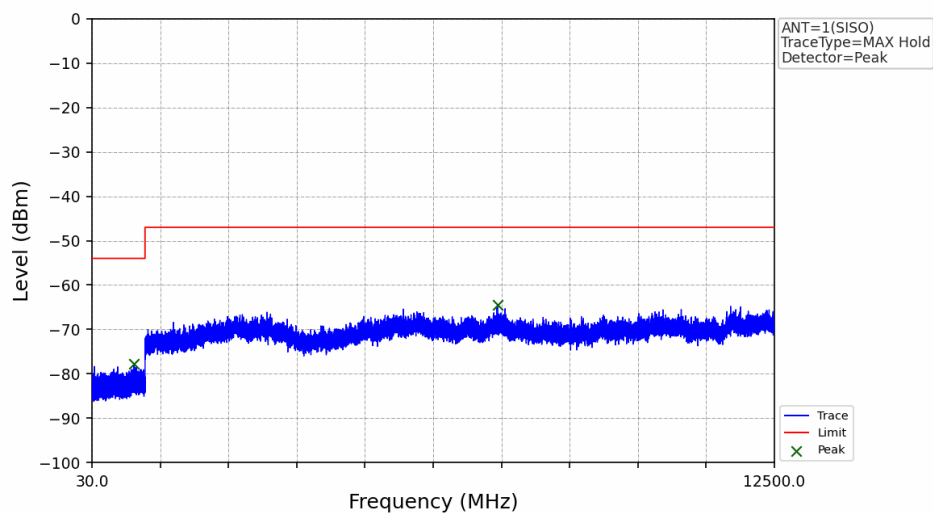
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 500.050    | -77.50         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 12433.500  | -63.88         | /              | -47         | Pass   |

802.11ax(HEW20) 2412MHz FU / Ant1 (SISO) NTVN



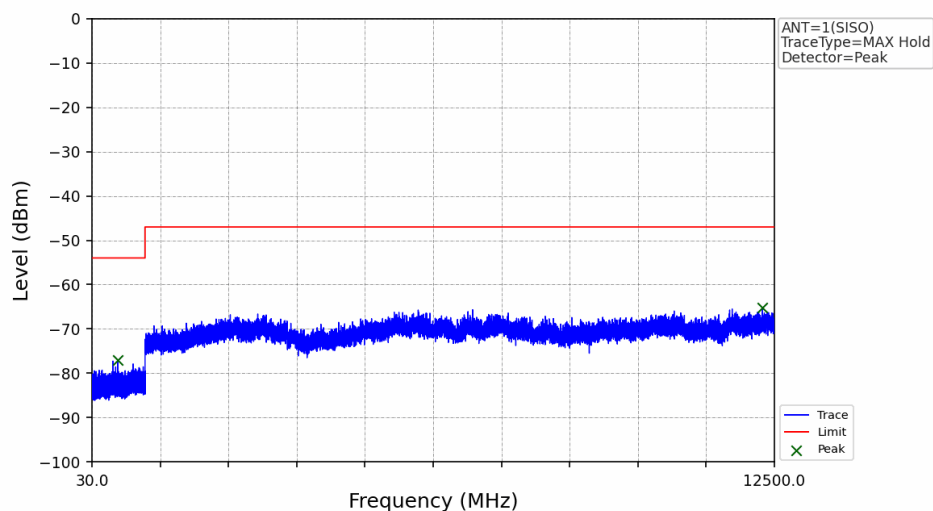
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 500.050    | -78.38         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 5612.500   | -64.26         | /              | -47         | Pass   |

802.11ax(HEW20) 2472MHz FU / Ant1 (SISO) NTVN



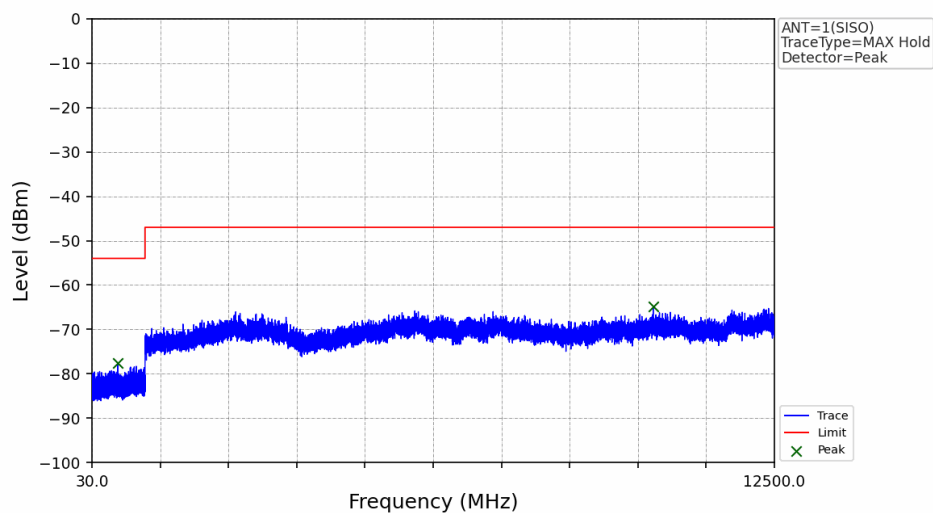
| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 794.950    | -77.78         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 7440.000   | -64.44         | /              | -47         | Pass   |

802.11ax(HEW40) 2422MHz FU / 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       | 500.050    | -77.10         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 12283.000  | -65.17         | /              | -47         | Pass   |

802.11ax(HEW40) 2462MHz FU / 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       | 500.000    | -77.57         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 10285.500  | -64.91         | /              | -47         | Pass   |

\*\*\*\*\*End of report\*\*\*\*\*