

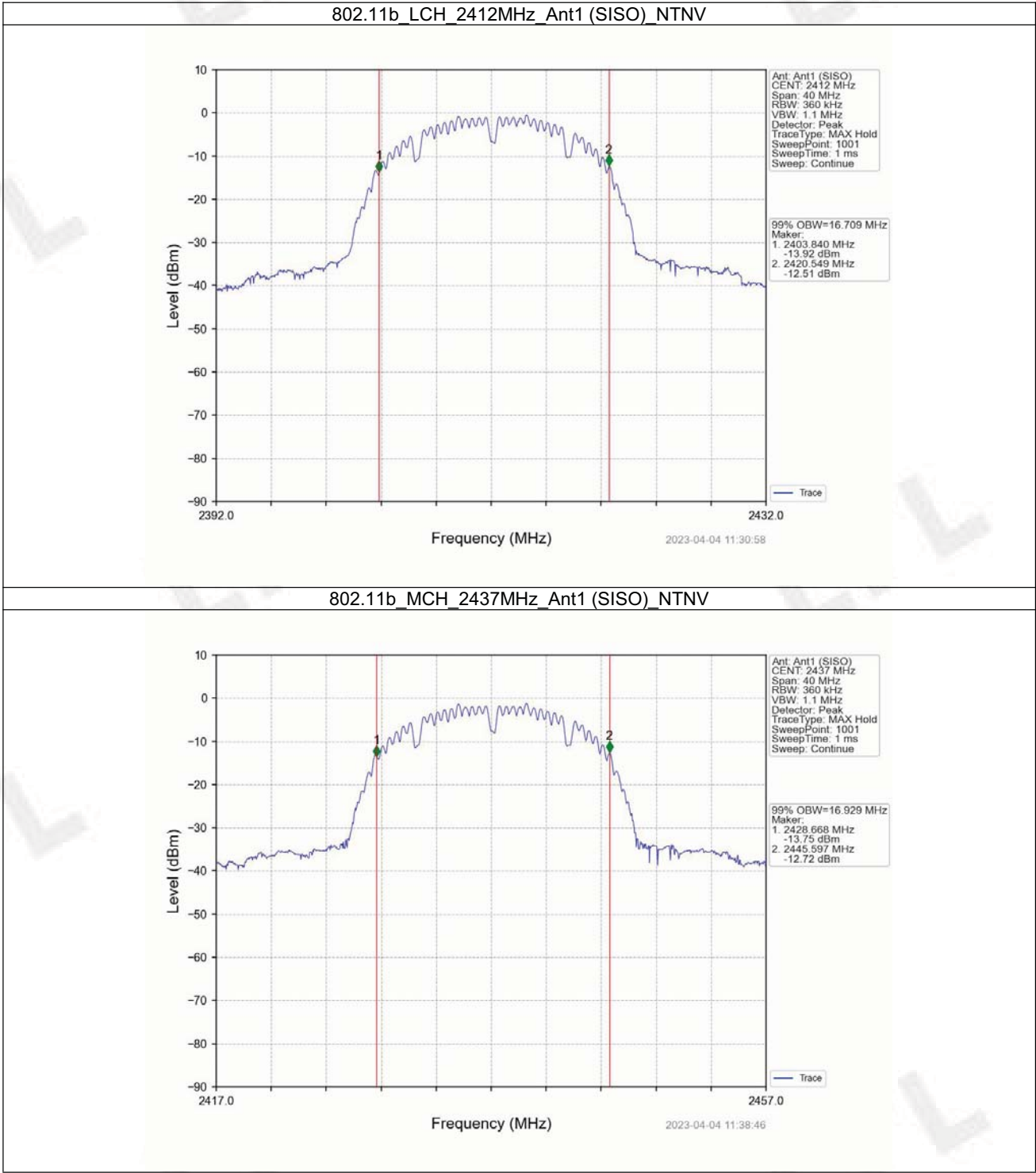
## 1. Bandwidth

### 1.1 OBW

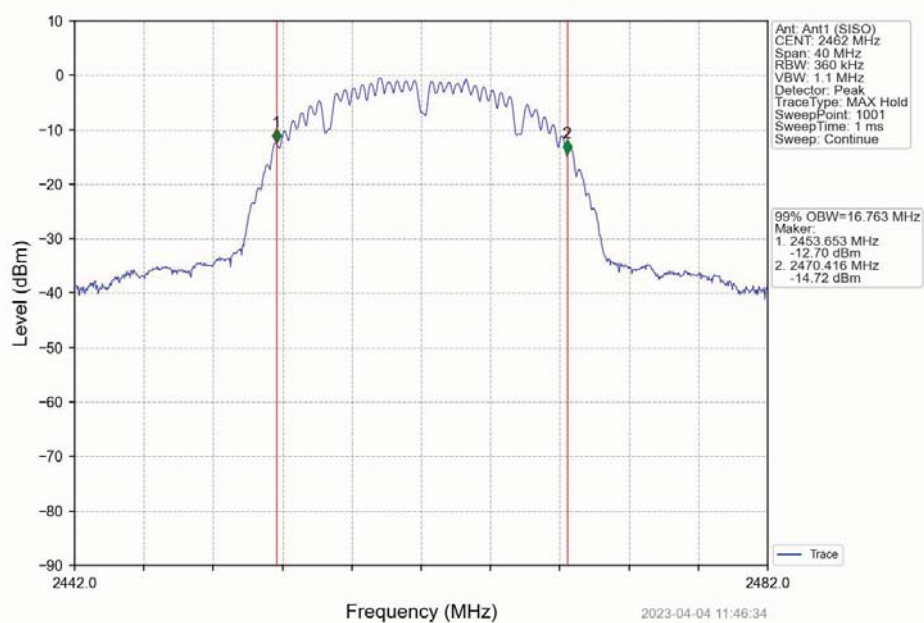
#### 1.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|----------------|---------|-----------------|-----|------------------------------|---------|
|                |         |                 |     | Result                       |         |
| 802.11b        | SISO    | 2412            | 1   | 16.709                       | Pass    |
|                |         | 2437            | 1   | 16.929                       | Pass    |
|                |         | 2462            | 1   | 16.763                       | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 18.029                       | Pass    |
|                |         | 2437            | 1   | 18.282                       | Pass    |
|                |         | 2462            | 1   | 18.088                       | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 18.370                       | Pass    |
|                |         | 2437            | 1   | 18.634                       | Pass    |
|                |         | 2462            | 1   | 18.406                       | Pass    |

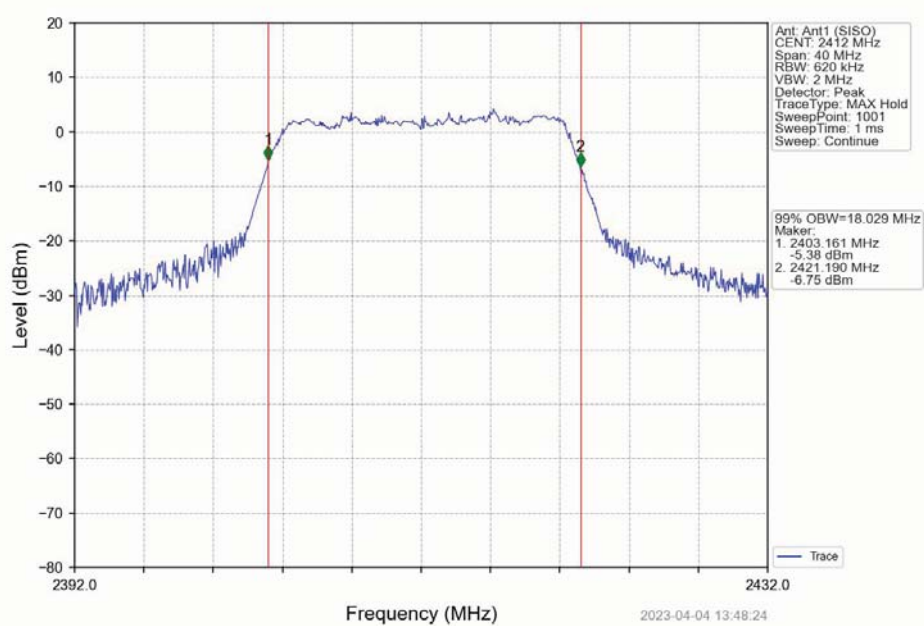
1.1.2 Test Graph



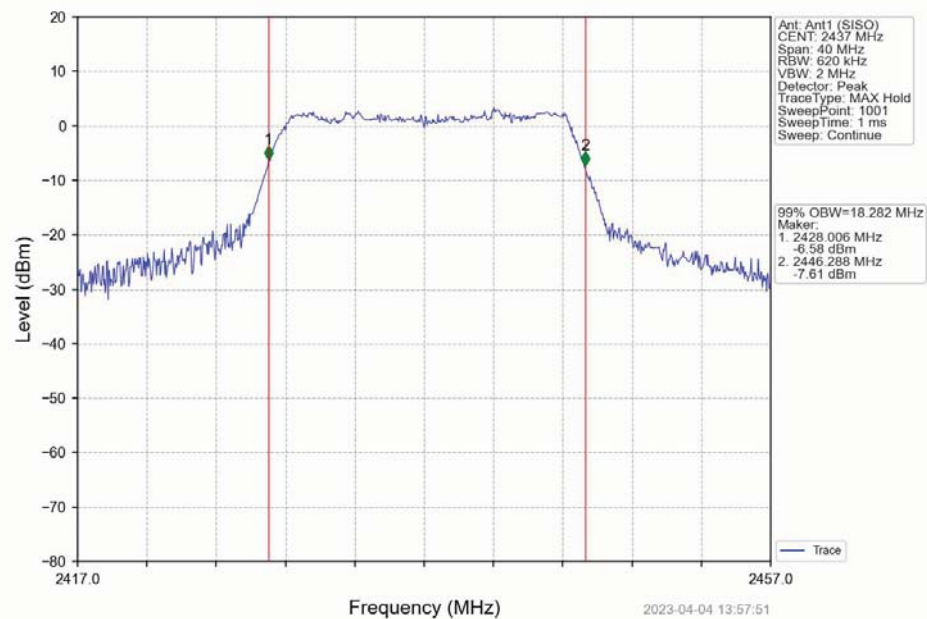
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



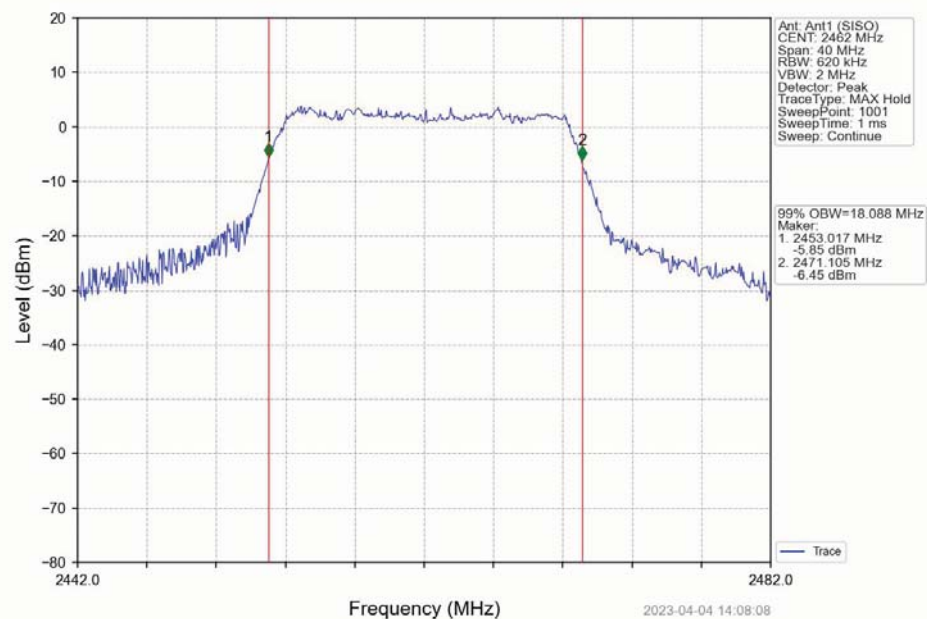
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



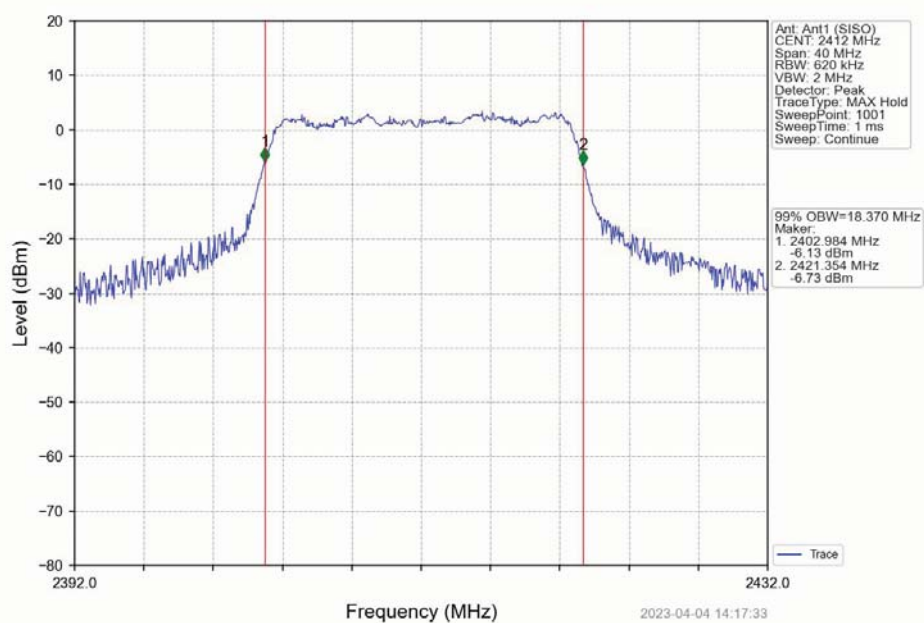
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



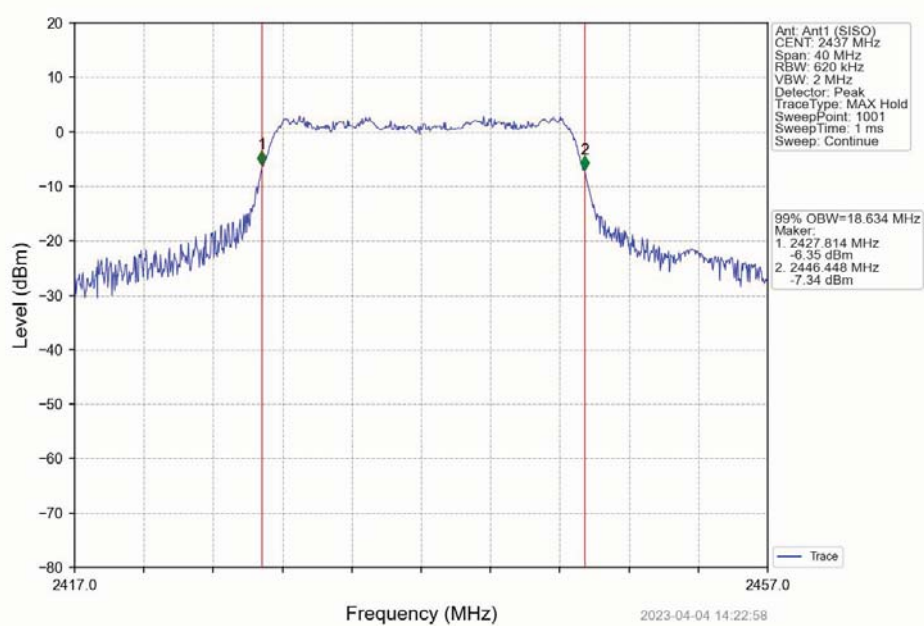
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



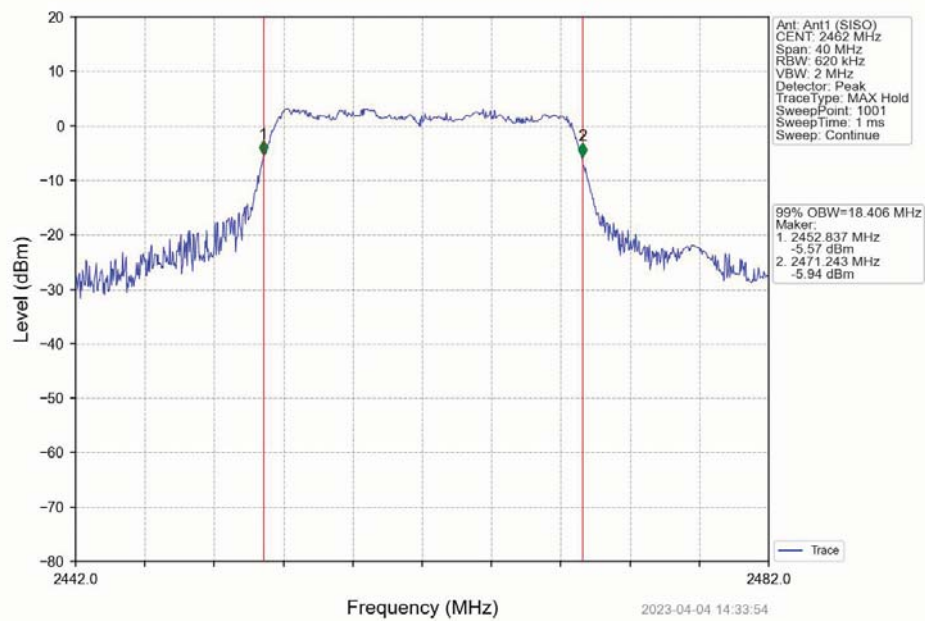
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



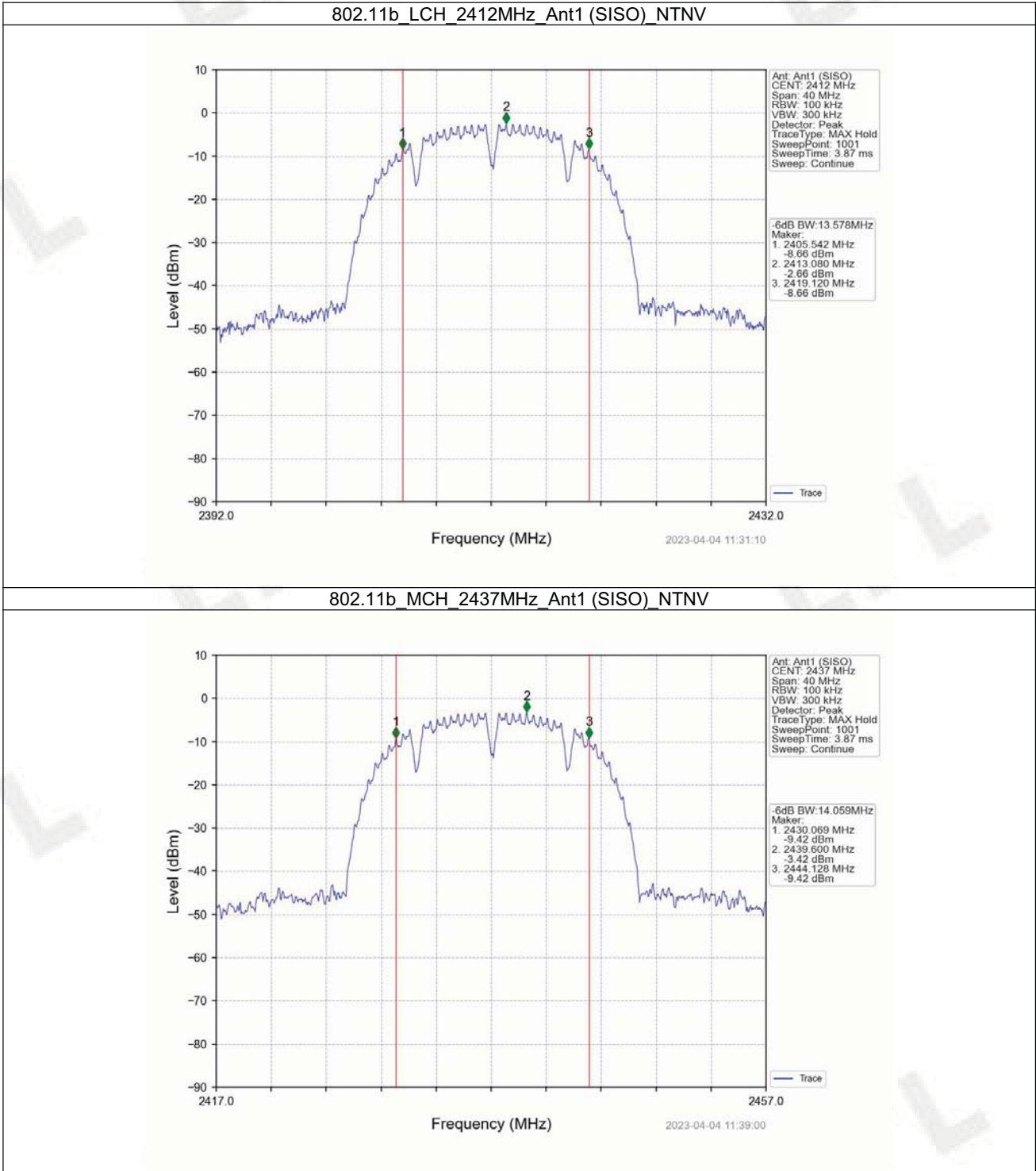
## 1.2 6dB BW

## 1.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 13.578              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 14.059              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 13.572              | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.416              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.419              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.400              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 16.988              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 17.129              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 17.127              | $\geq 0.5$ | Pass    |

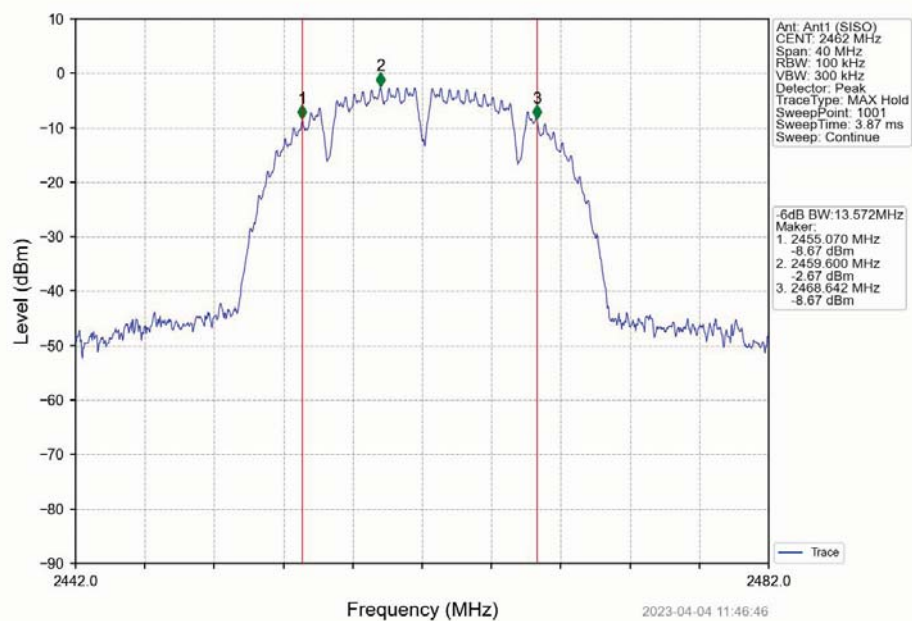


1.2.2 Test Graph

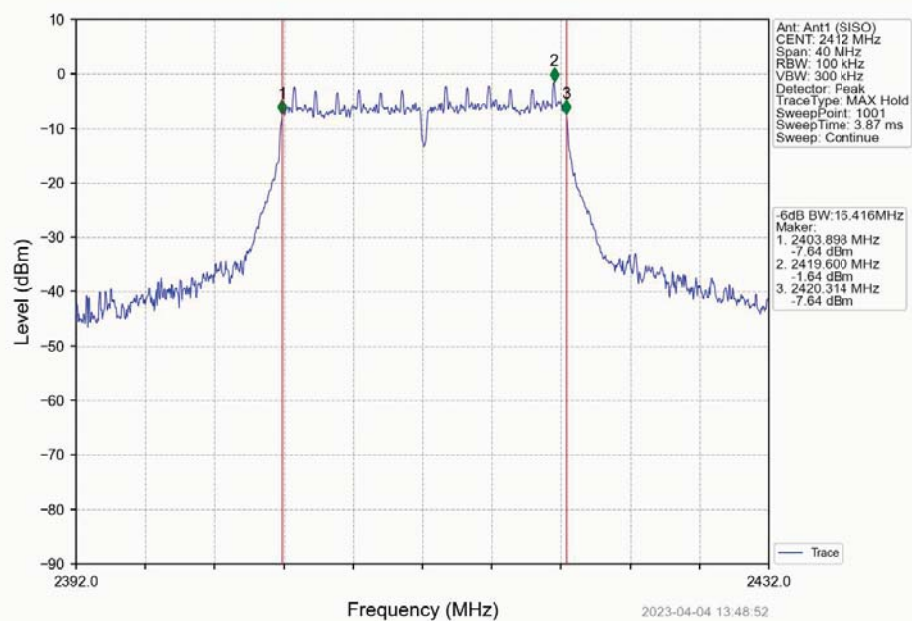




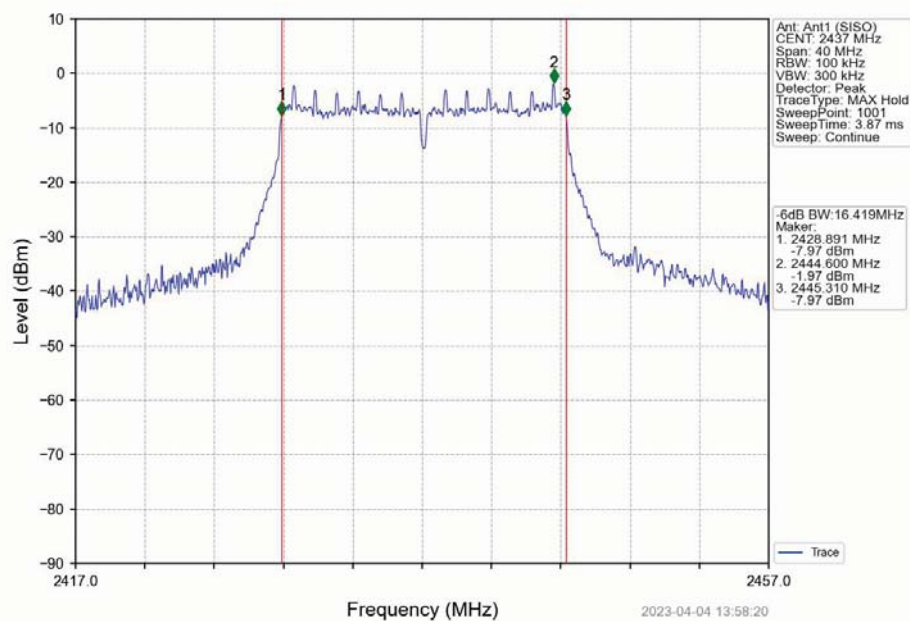
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



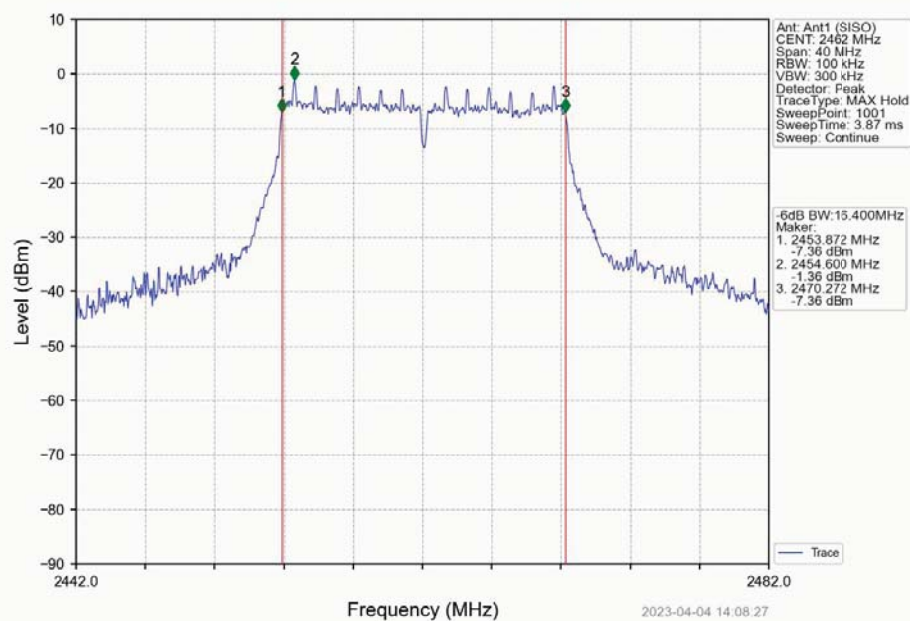
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



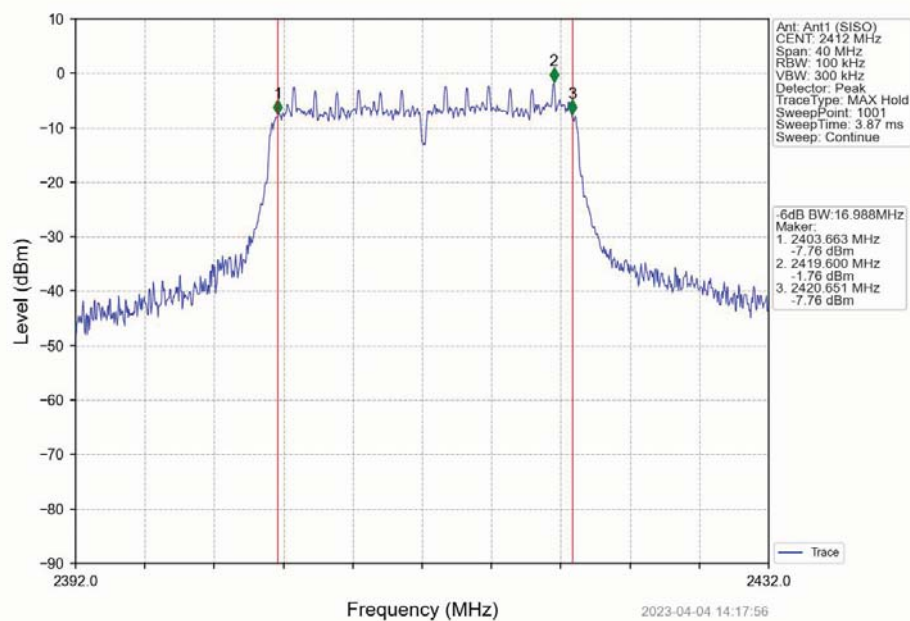
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



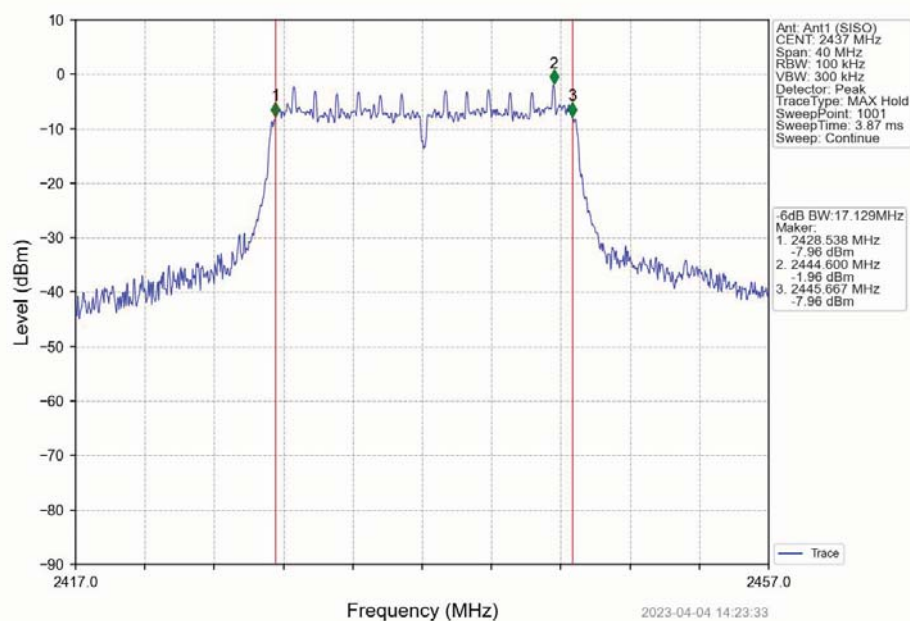
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

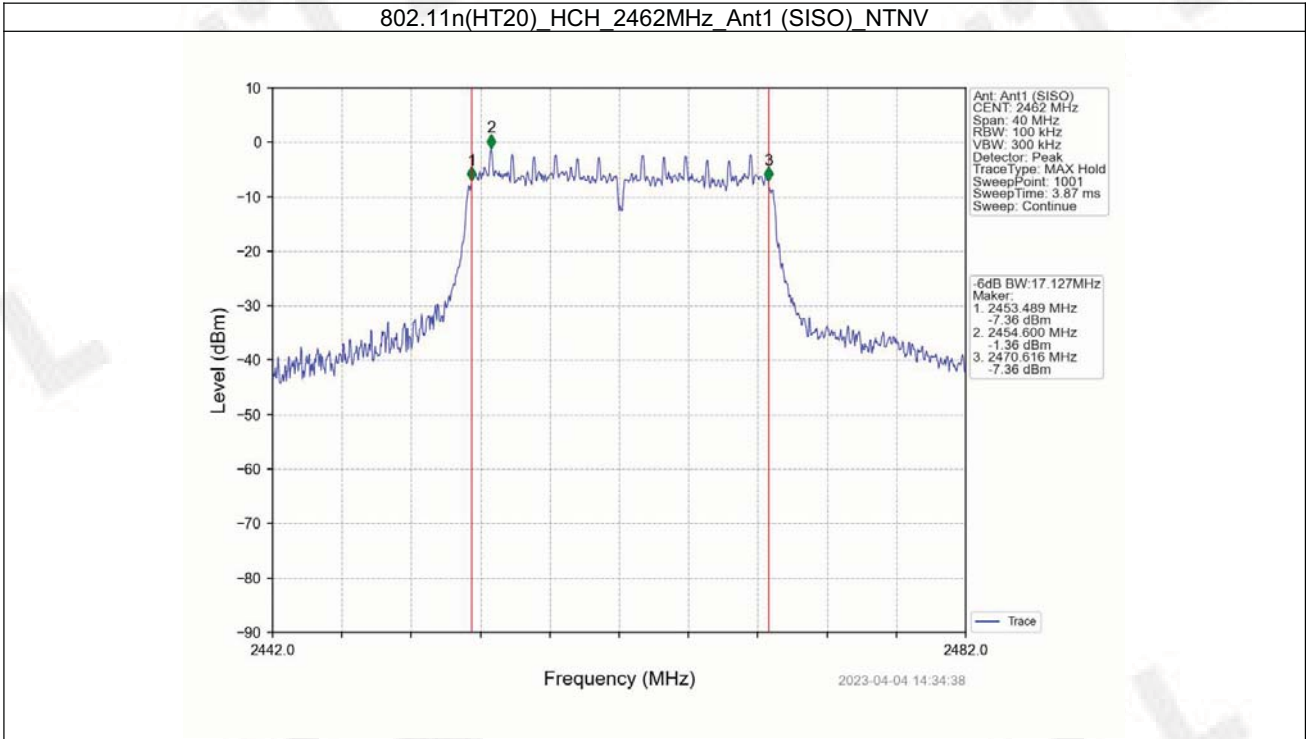


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV





## 2. Maximum Conducted Output Power

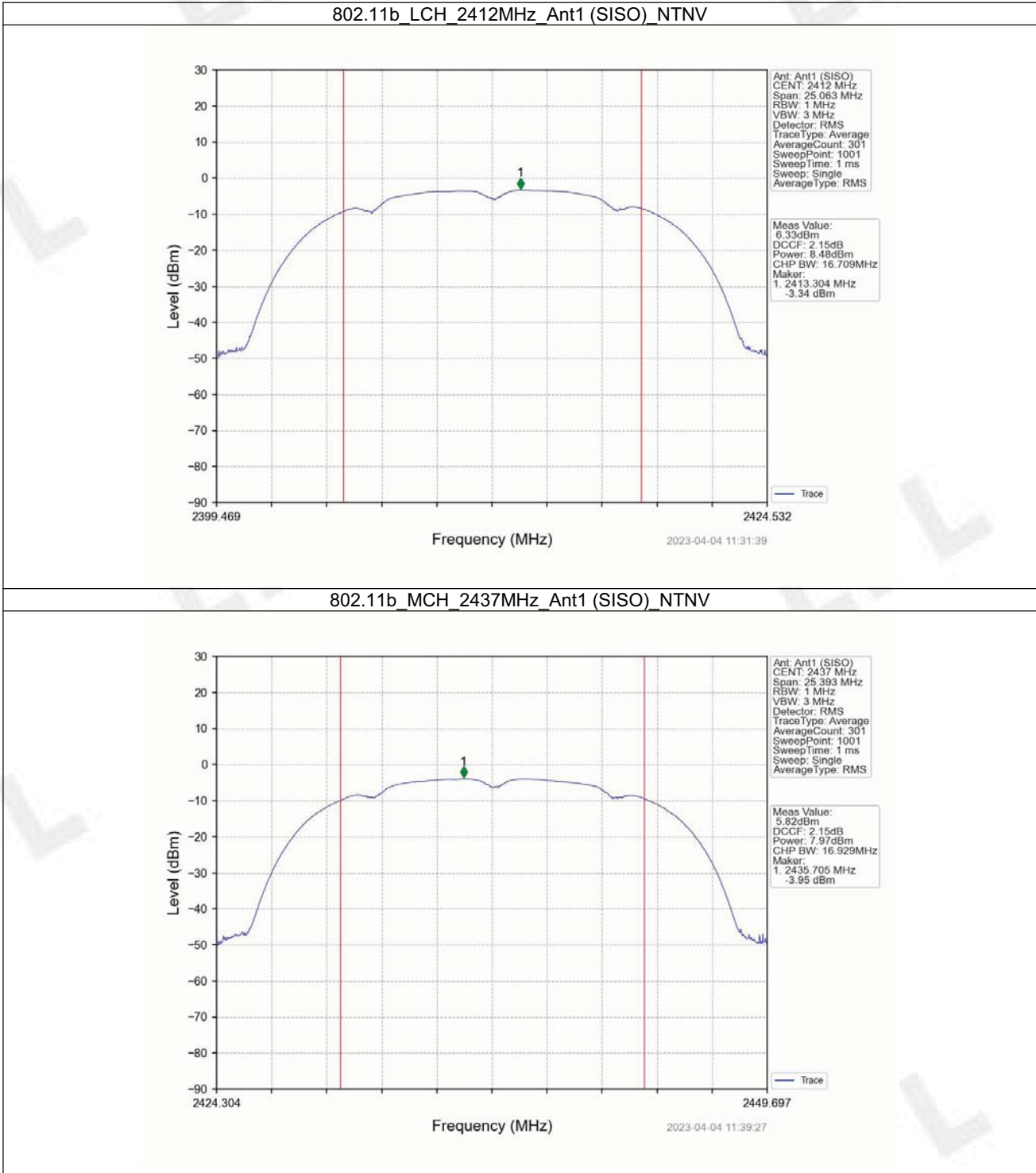
### 2.1 Power

#### 2.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |       | Verdict |
|----------------|---------|-----------------|--|-------|---------|
|                |         |                 | ANT1   | Limit |         |
| 802.11b        | SISO    | 2412            | 8.48   | <=30  | Pass    |
|                |         | 2437            | 7.97   | <=30  | Pass    |
|                |         | 2462            | 8.75   | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 8.56   | <=30  | Pass    |
|                |         | 2437            | 8.36   | <=30  | Pass    |
|                |         | 2462            | 8.88   | <=30  | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 8.71   | <=30  | Pass    |
|                |         | 2437            | 8.60   | <=30  | Pass    |
|                |         | 2462            | 8.66   | <=30  | Pass    |

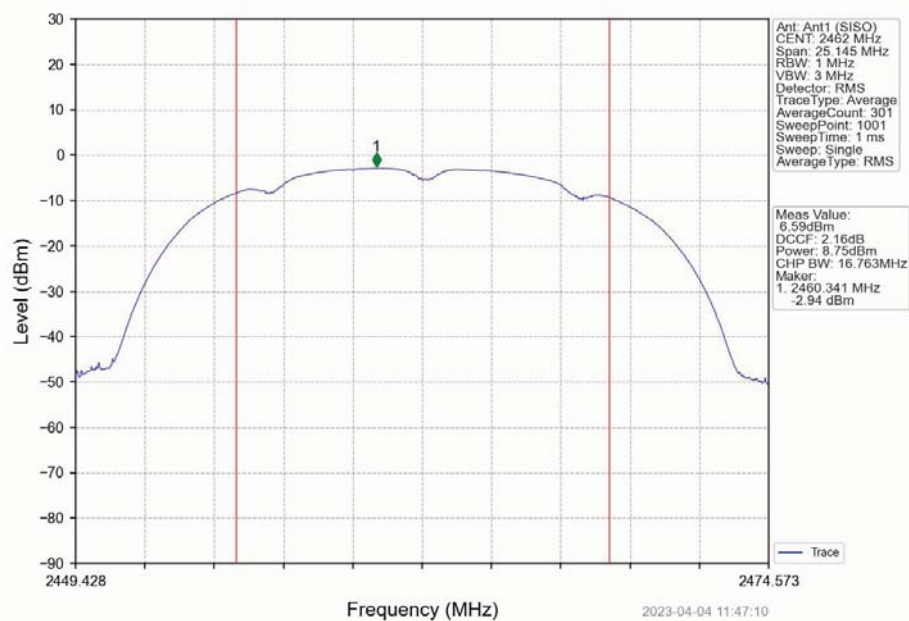
Note1: Antenna Gain: Ant1: 2.31dBi;

2.1.2 Test Graph

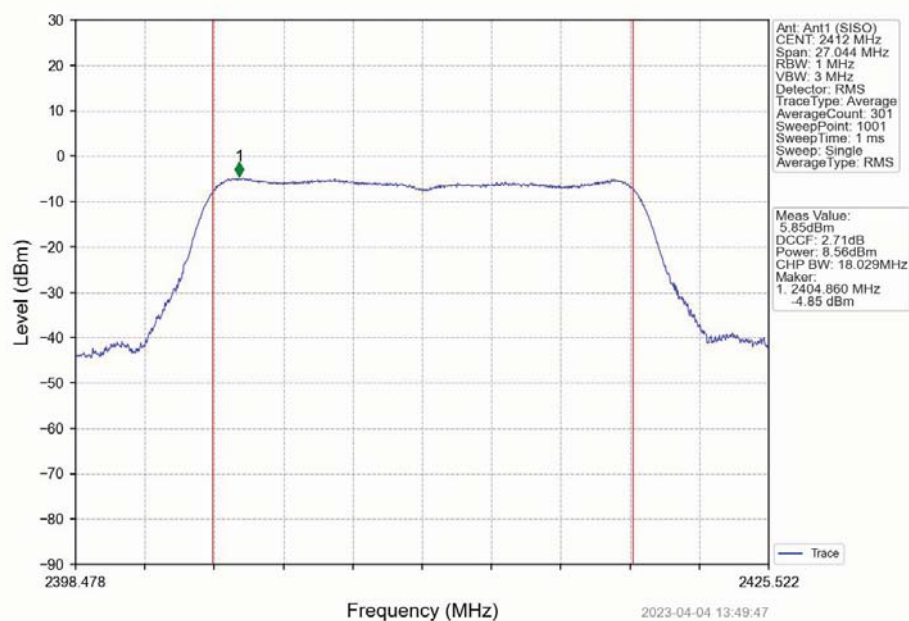




802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

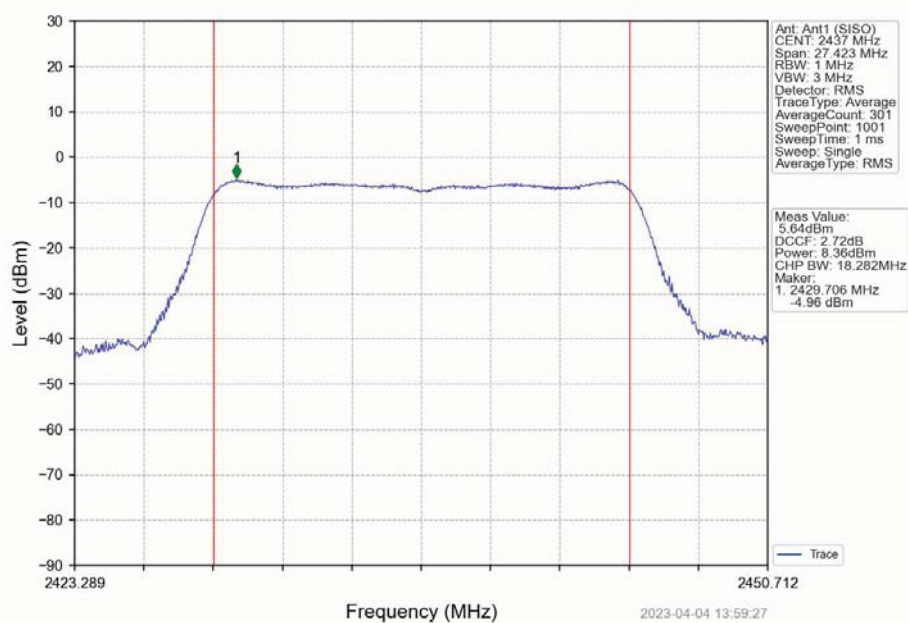


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

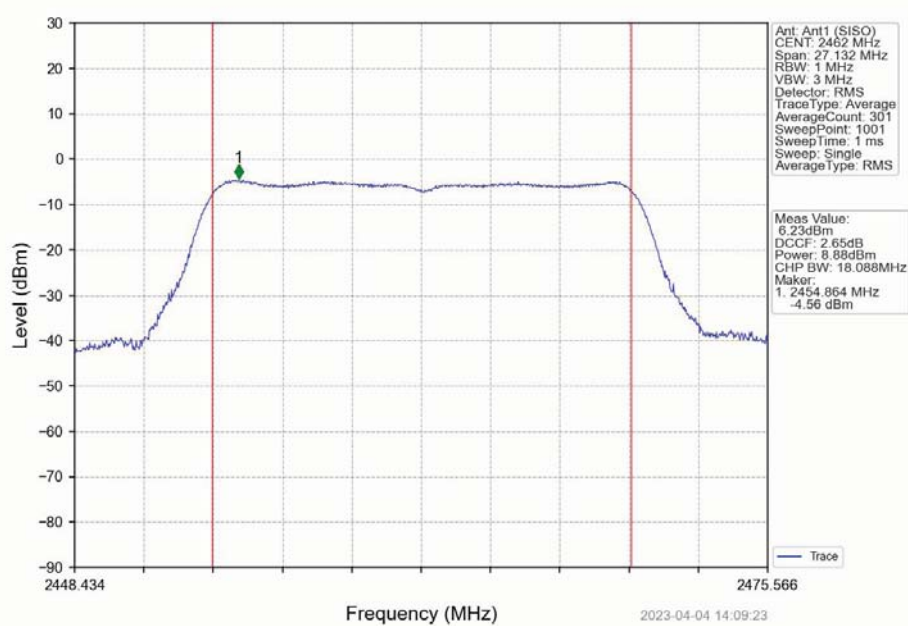




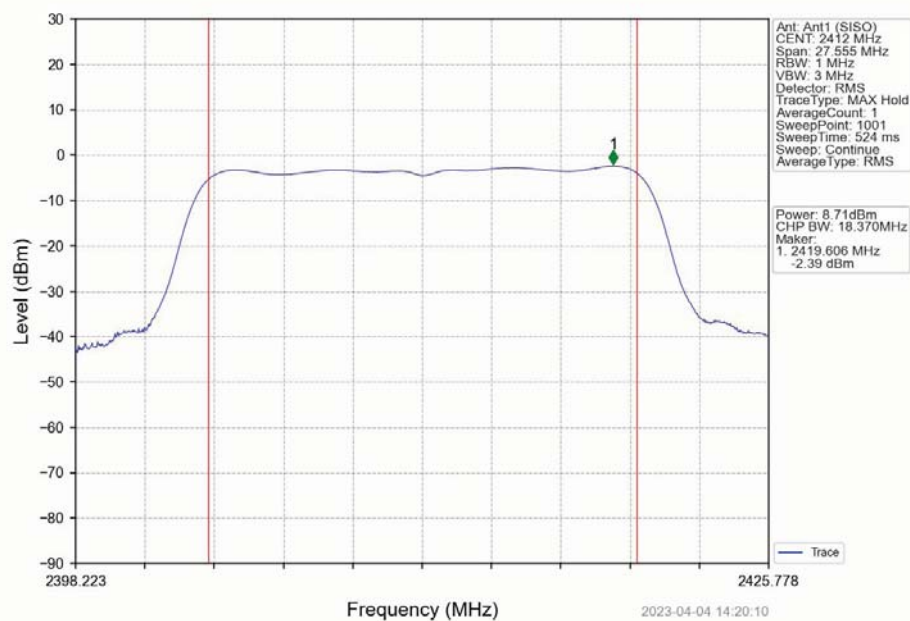
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



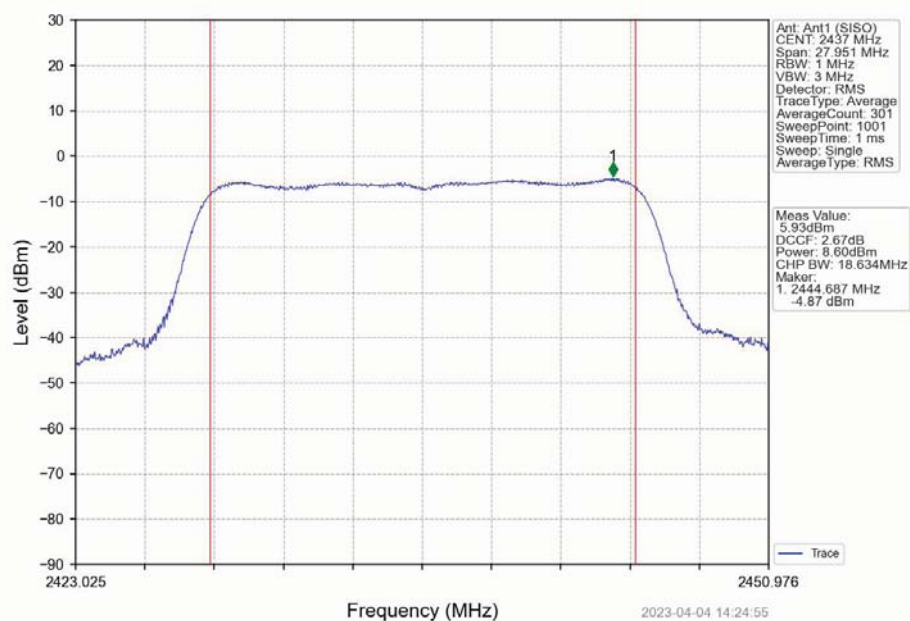
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV





### 3. Maximum Power Spectral Density

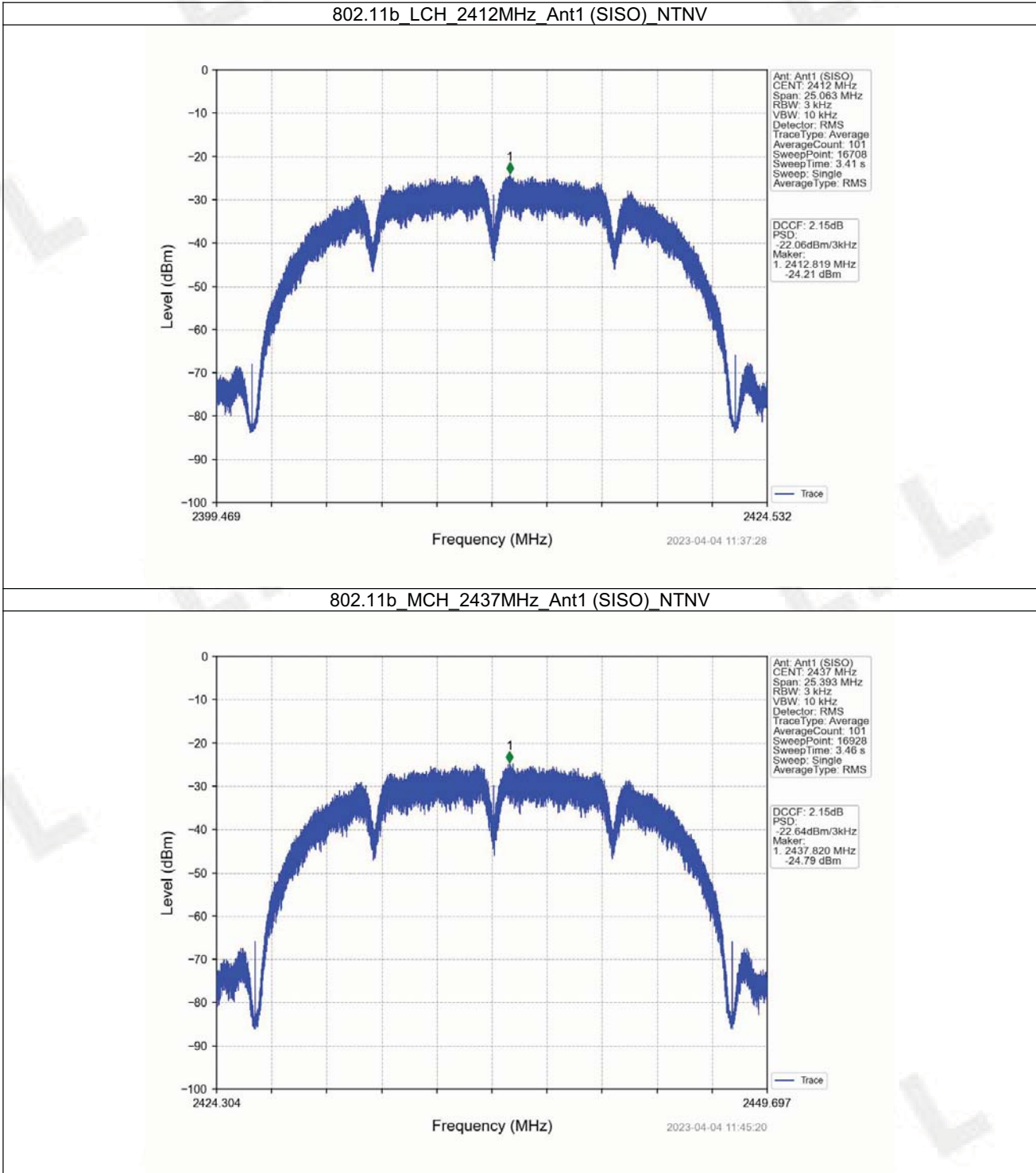
#### 3.1 PSD

##### 3.1.1 Test Result

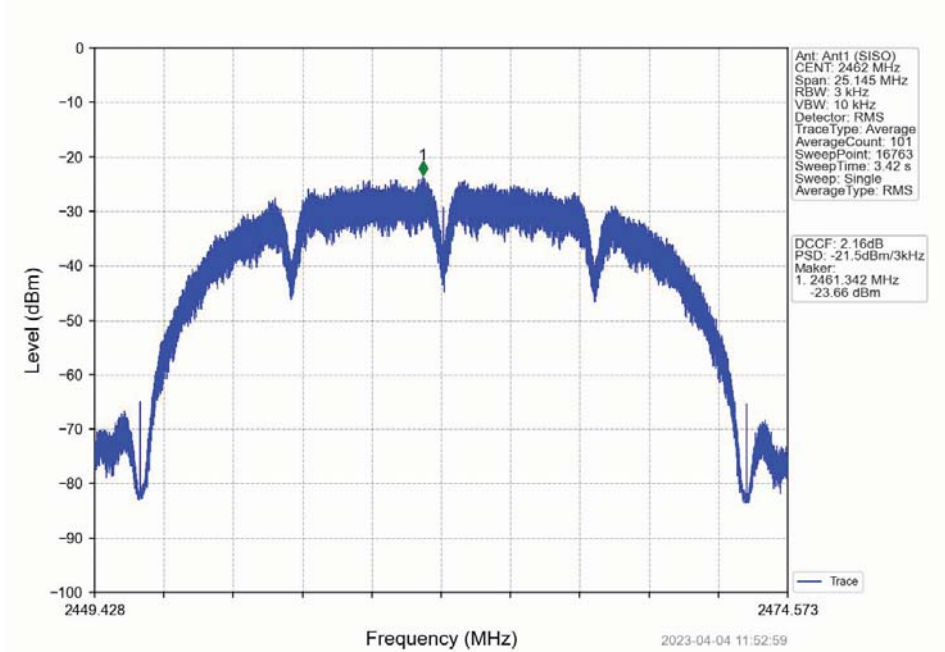
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -22.06                 | <=8   | Pass    |
|                |         | 2437            | -22.64                 | <=8   | Pass    |
|                |         | 2462            | -21.50                 | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -22.79                 | <=8   | Pass    |
|                |         | 2437            | -23.83                 | <=8   | Pass    |
|                |         | 2462            | -23.43                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -21.56                 | <=8   | Pass    |
|                |         | 2437            | -24.27                 | <=8   | Pass    |
|                |         | 2462            | -23.24                 | <=8   | Pass    |

Note1: Antenna Gain: Ant1: 2.31dBi;

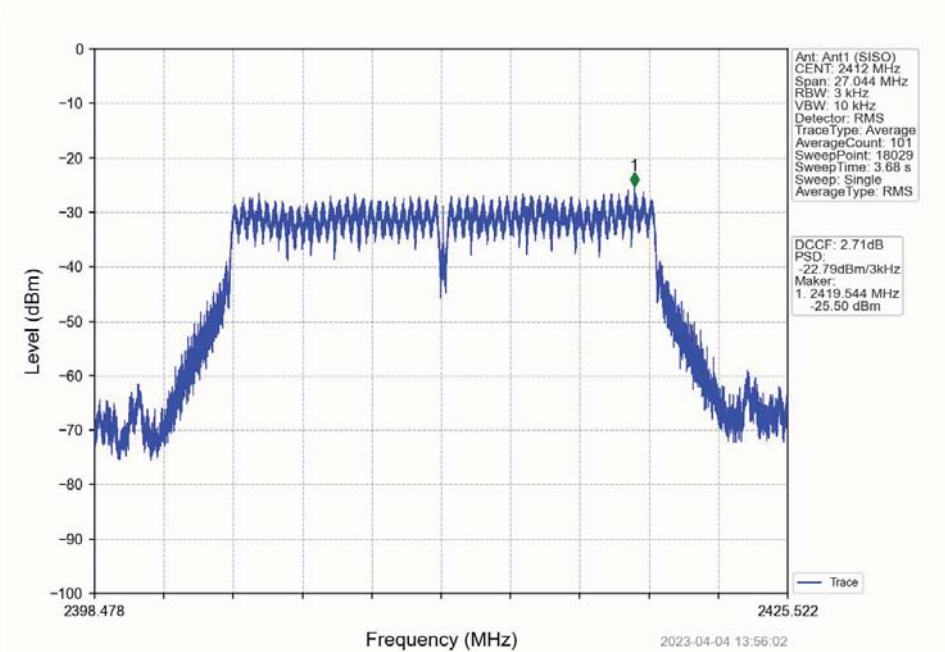
3.1.2 Test Graph



802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

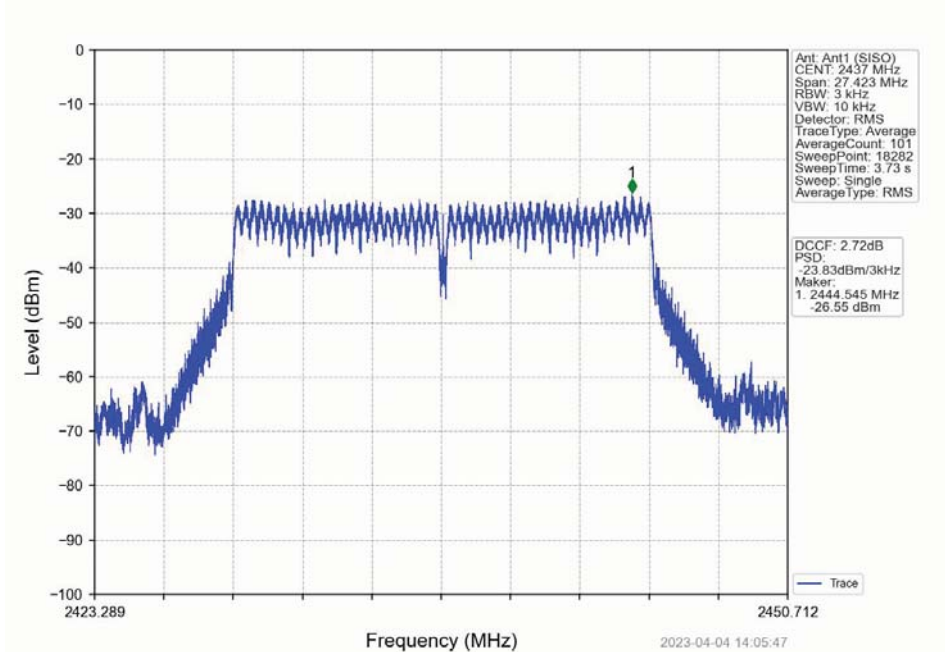


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

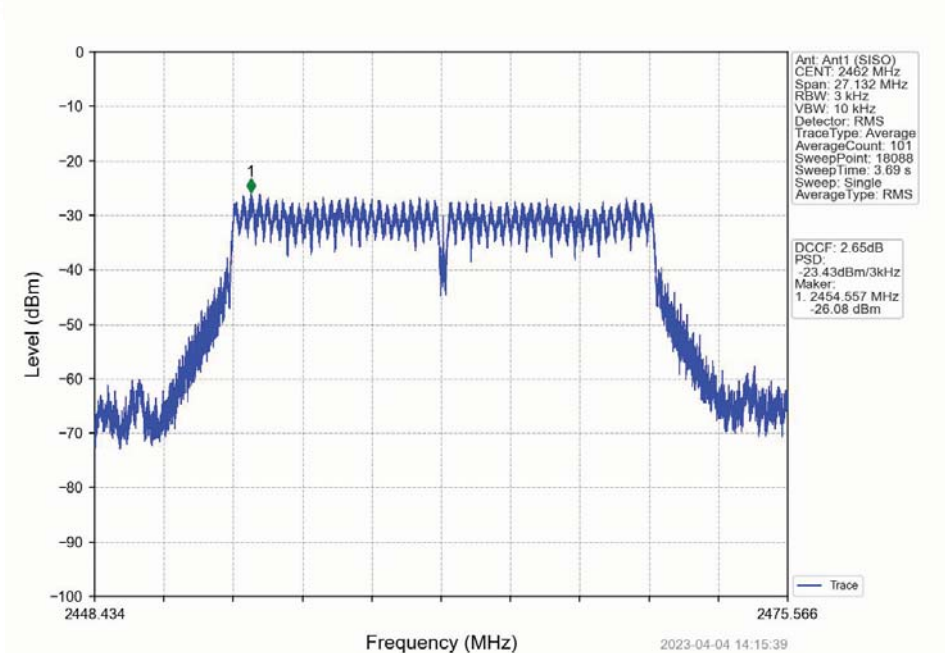




802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

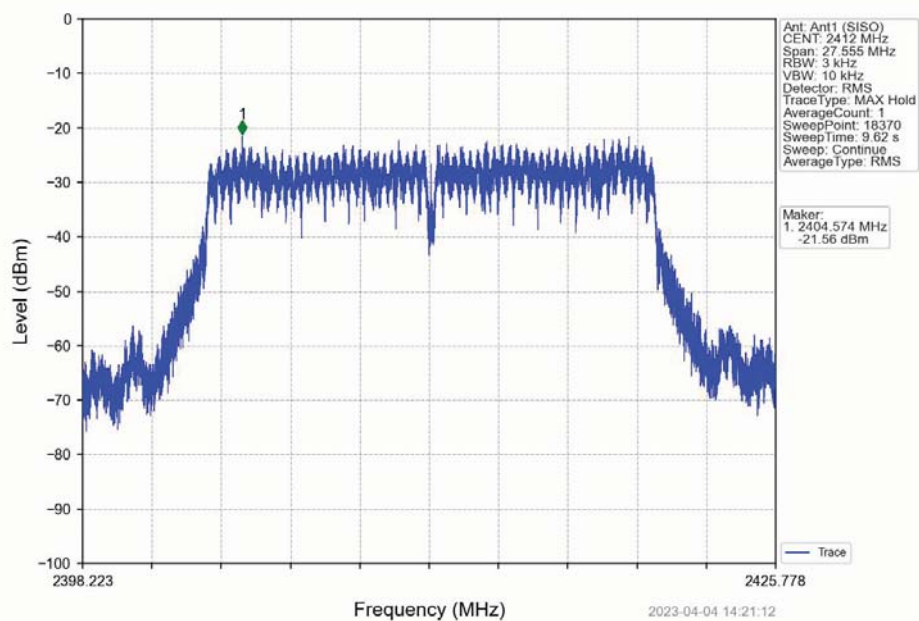


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

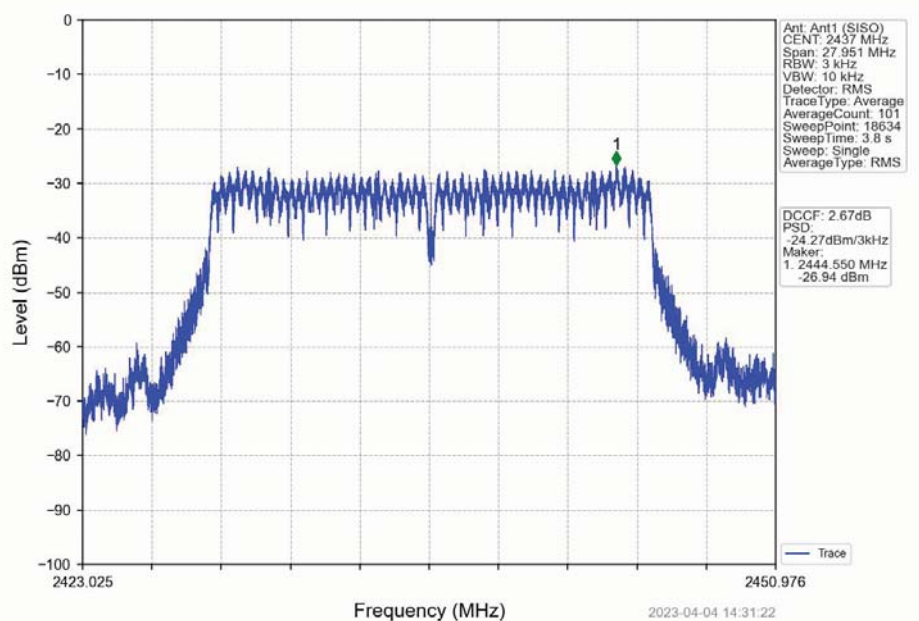


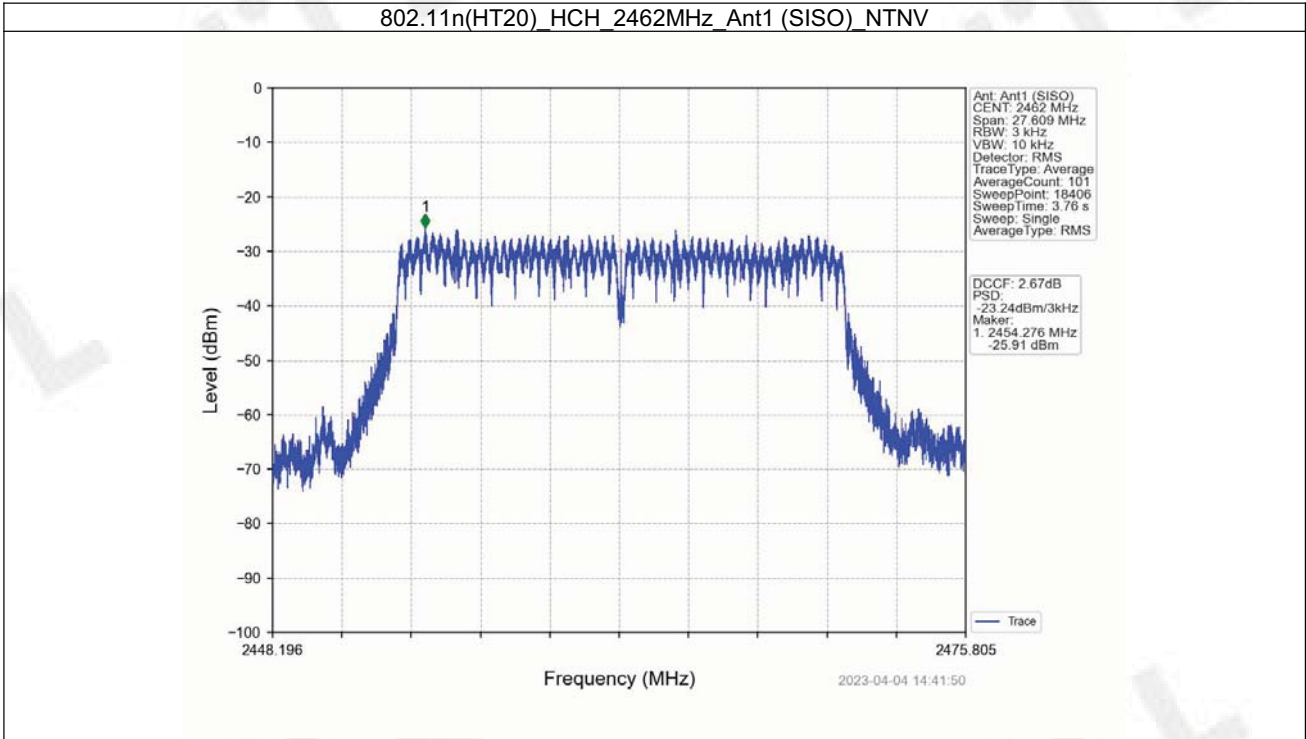


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV





## 4. Unwanted Emissions In Non-restricted Frequency Bands

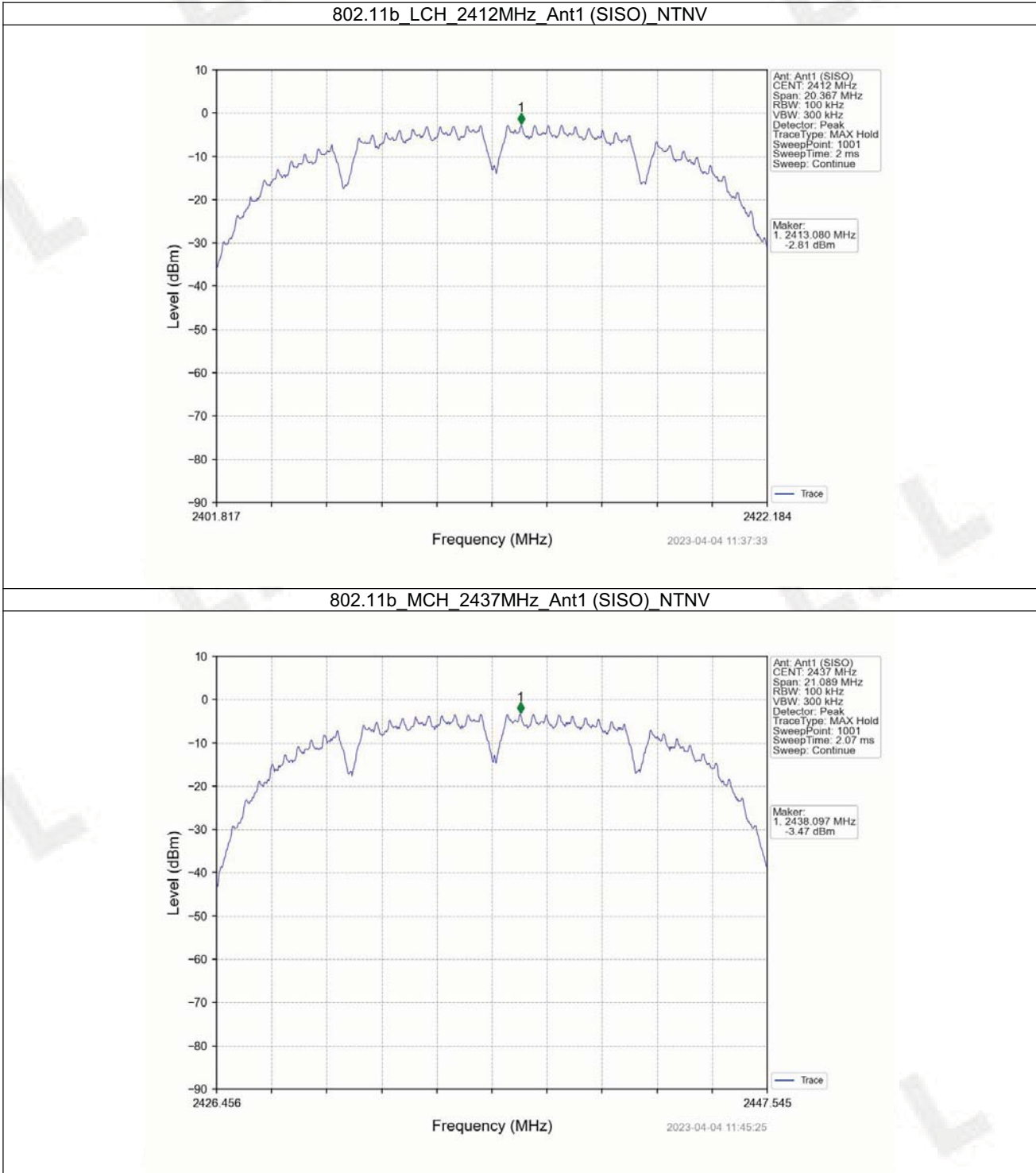
### 4.1 Ref

#### 4.1.1 Test Result

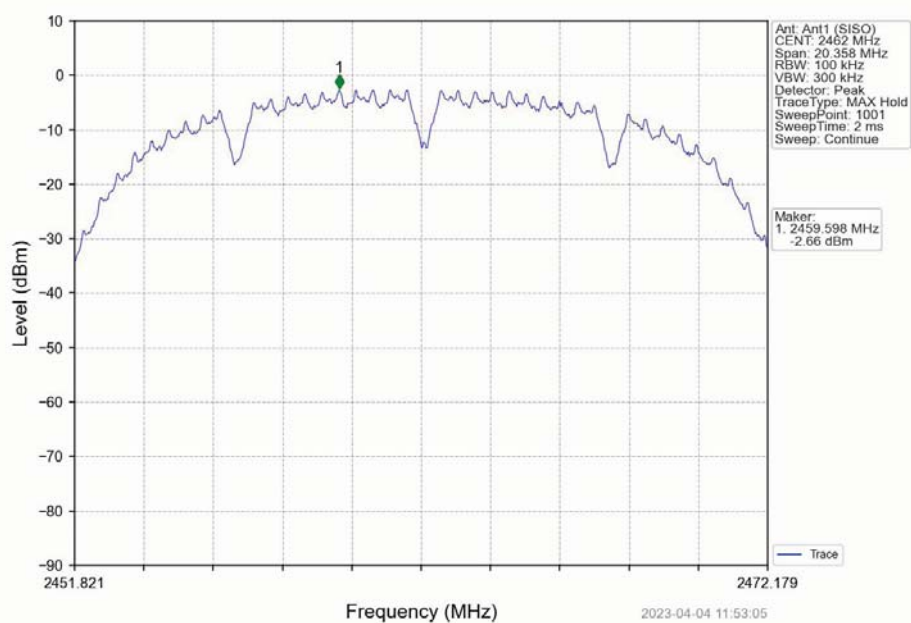
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | -2.81                    |
|                |         | 2437            | 1   | -3.47                    |
|                |         | 2462            | 1   | -2.66                    |
| 802.11g        | SISO    | 2412            | 1   | -1.71                    |
|                |         | 2437            | 1   | -2.08                    |
|                |         | 2462            | 1   | -1.57                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -1.86                    |
|                |         | 2437            | 1   | -2.03                    |
|                |         | 2462            | 1   | -1.43                    |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

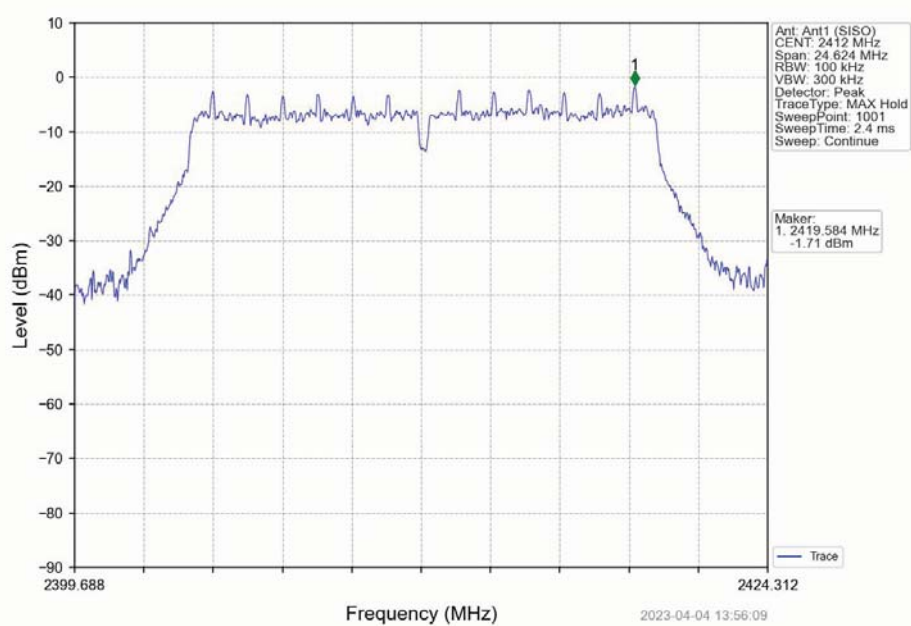
4.1.2 Test Graph



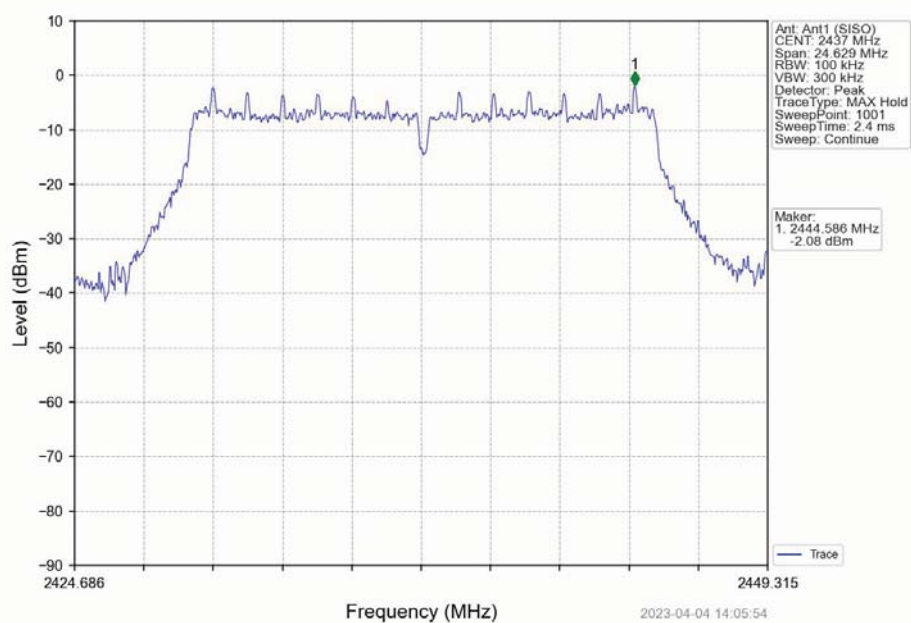
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



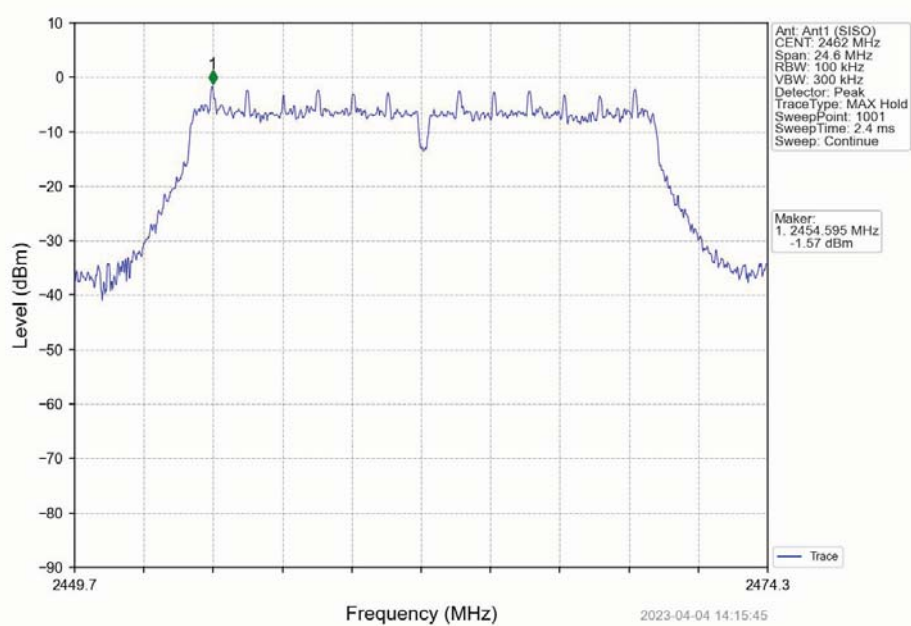
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



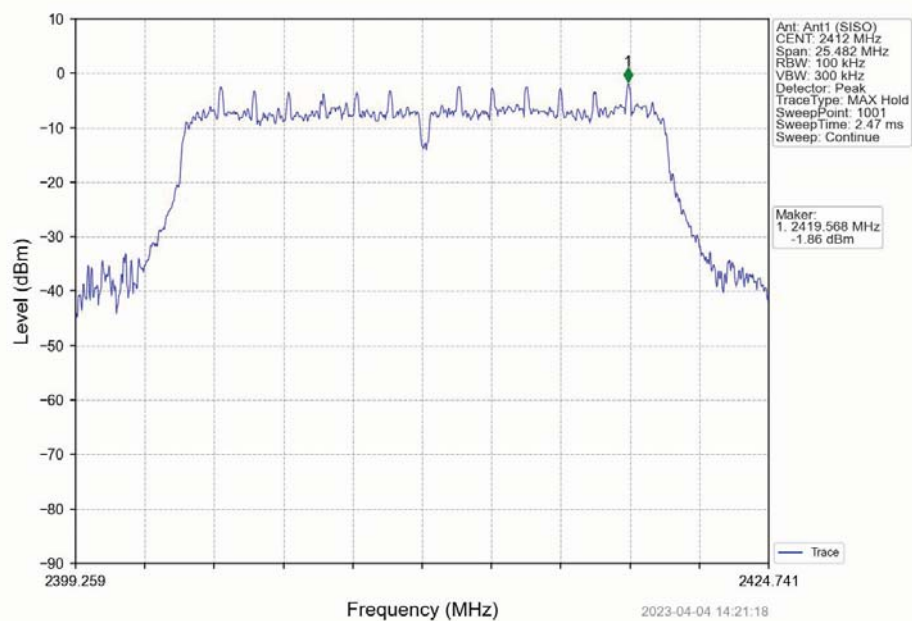
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



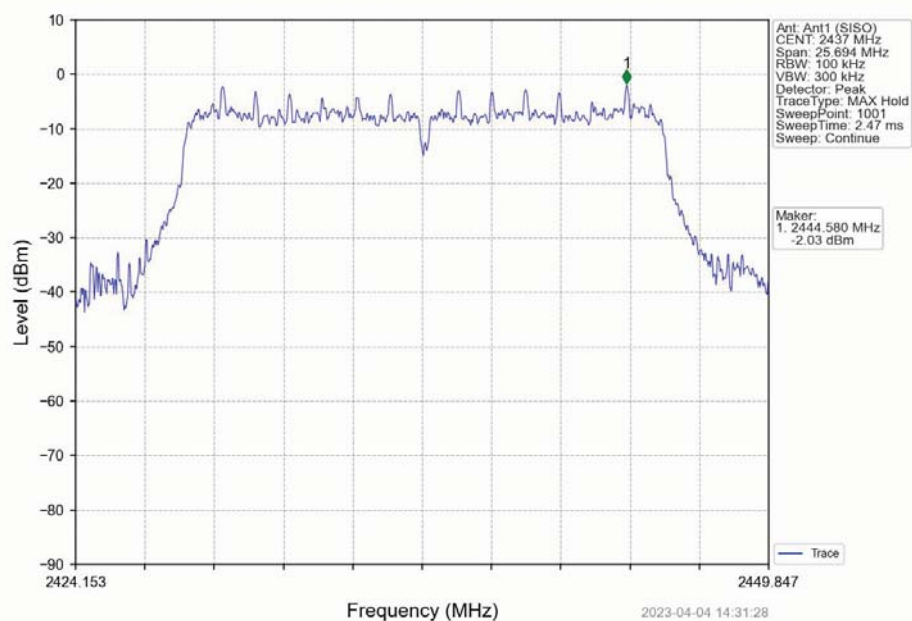
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

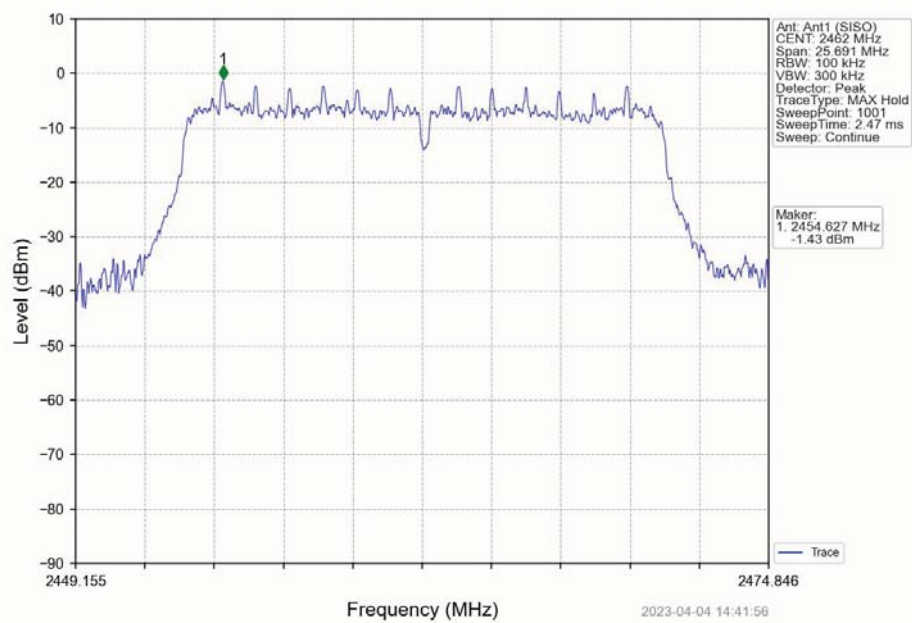


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV





802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



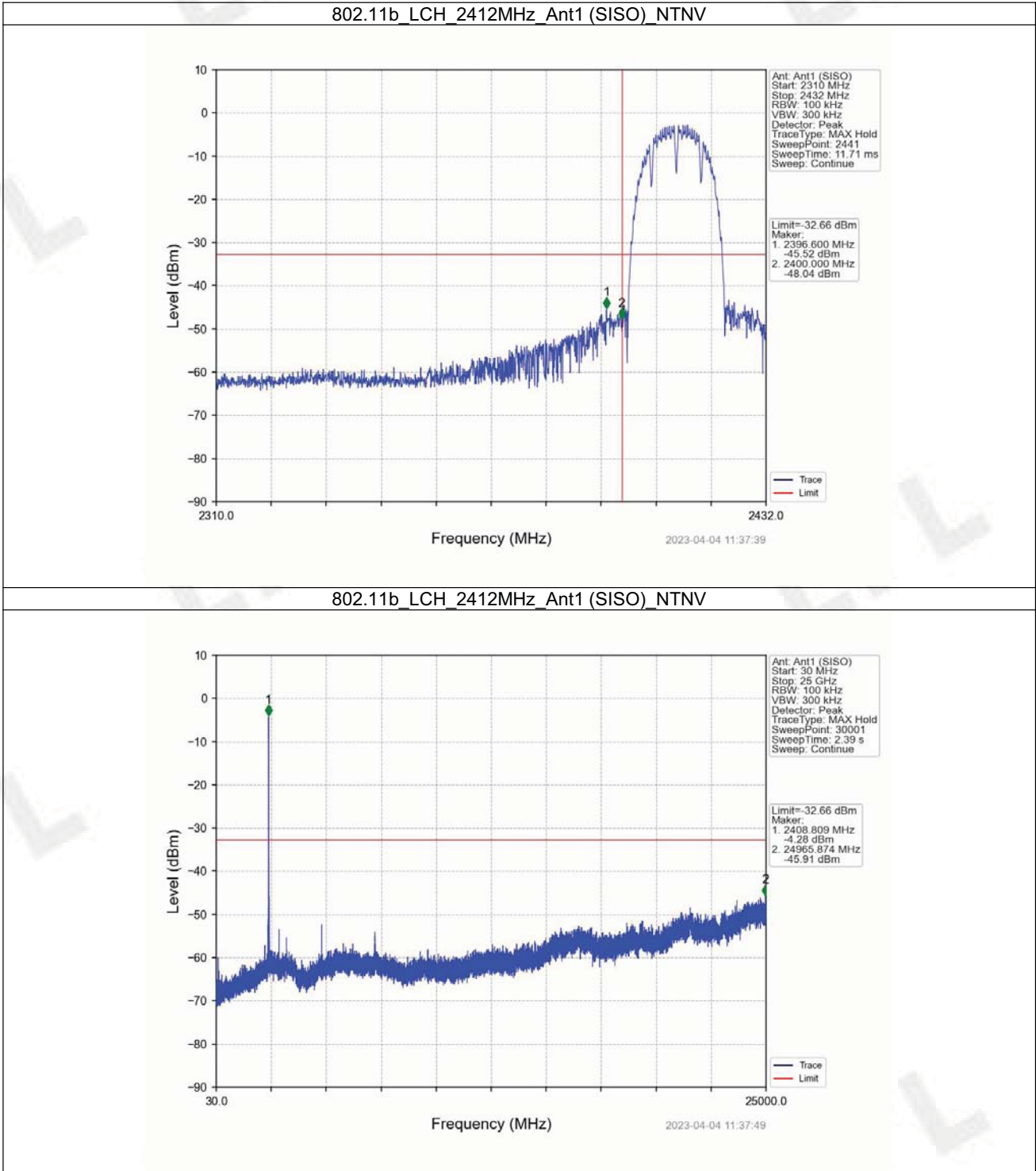
## 4.2 CSE

## 4.2.1 Test Result

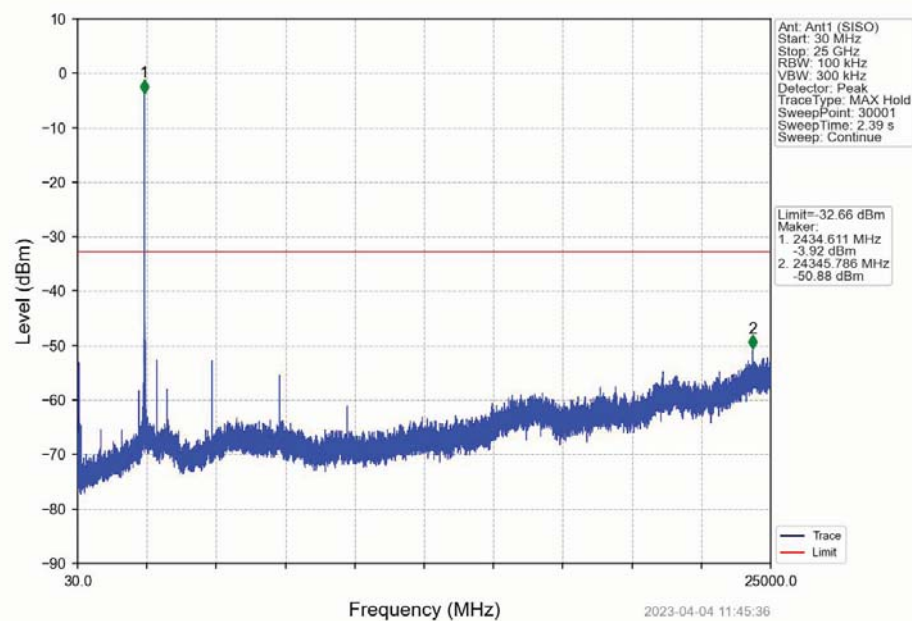
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | -2.66                    | -32.66      | Pass    |
|                |         | 2437            | 1   | -2.66                    | -32.66      | Pass    |
|                |         | 2462            | 1   | -2.66                    | -32.66      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -1.57                    | -31.57      | Pass    |
|                |         | 2437            | 1   | -1.57                    | -31.57      | Pass    |
|                |         | 2462            | 1   | -1.57                    | -31.57      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -1.43                    | -31.43      | Pass    |
|                |         | 2437            | 1   | -1.43                    | -31.43      | Pass    |
|                |         | 2462            | 1   | -1.43                    | -31.43      | Pass    |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

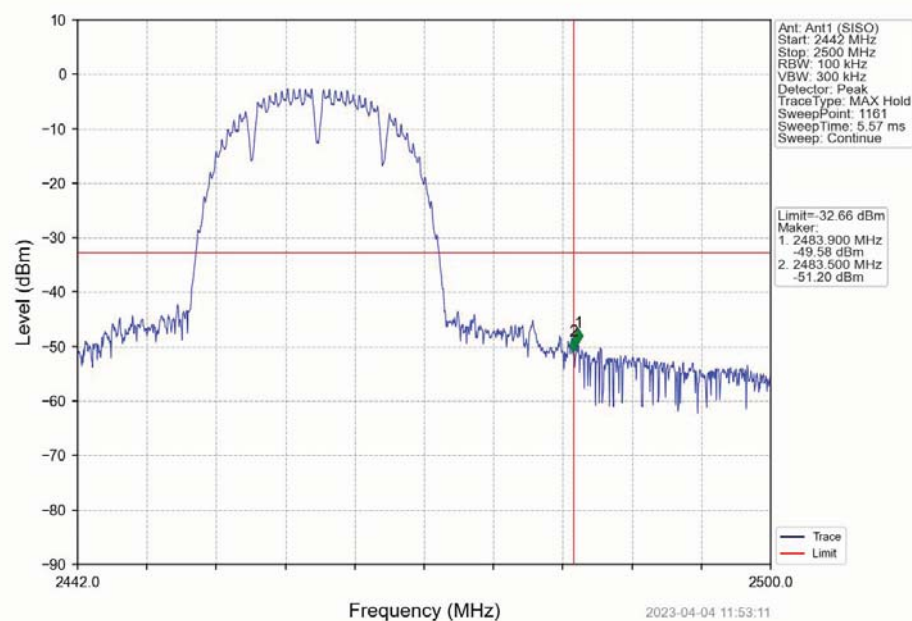
4.2.2 Test Graph



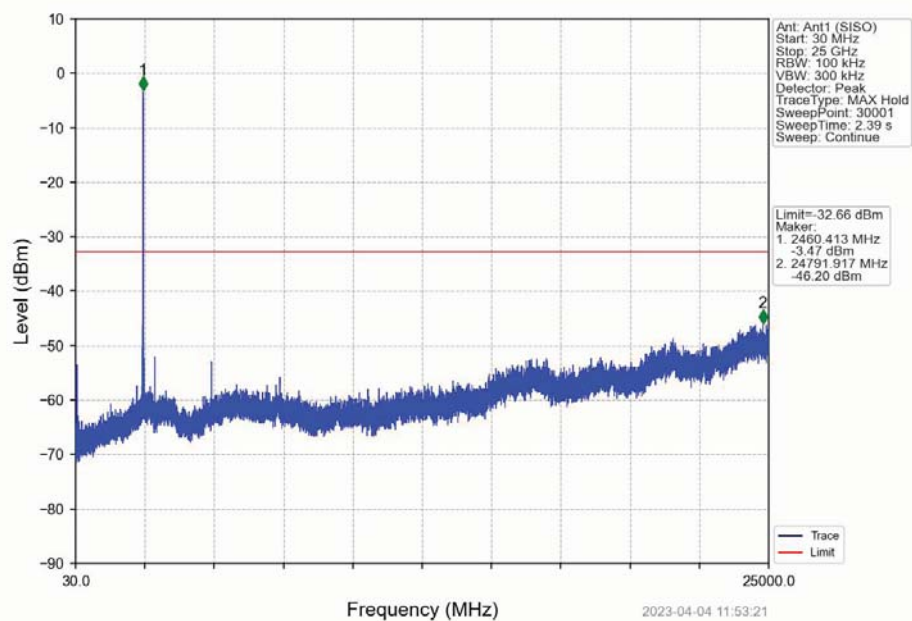
802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



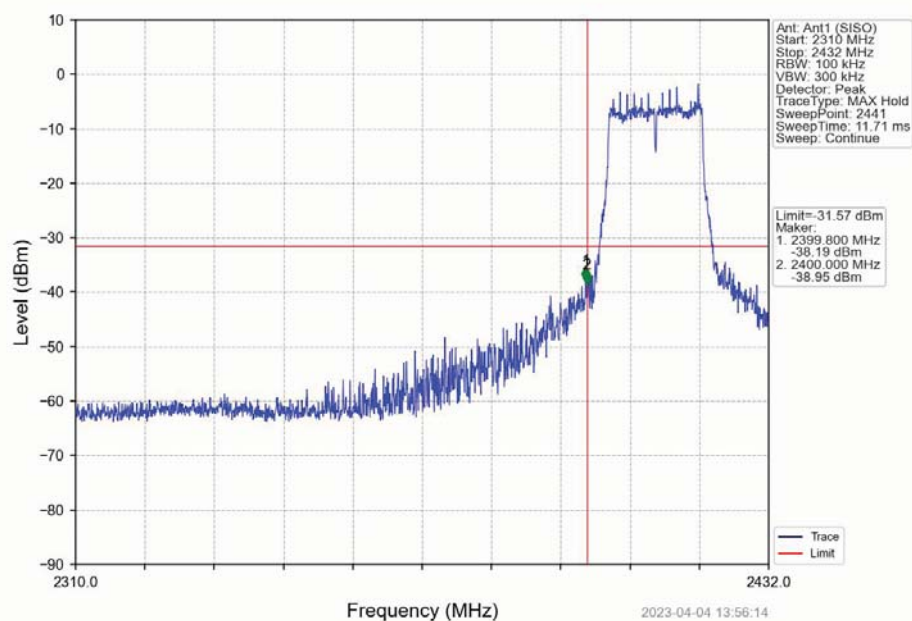
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



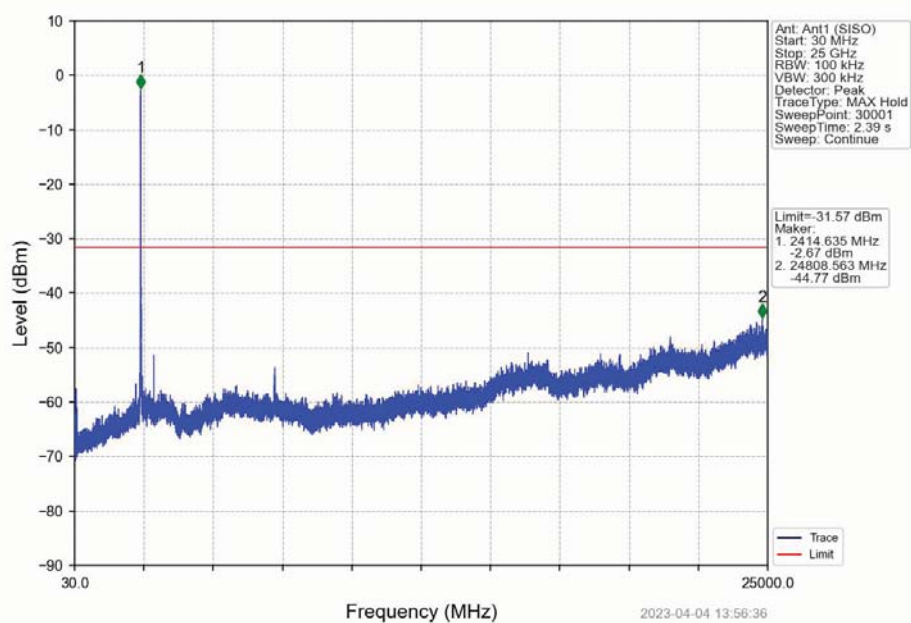
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



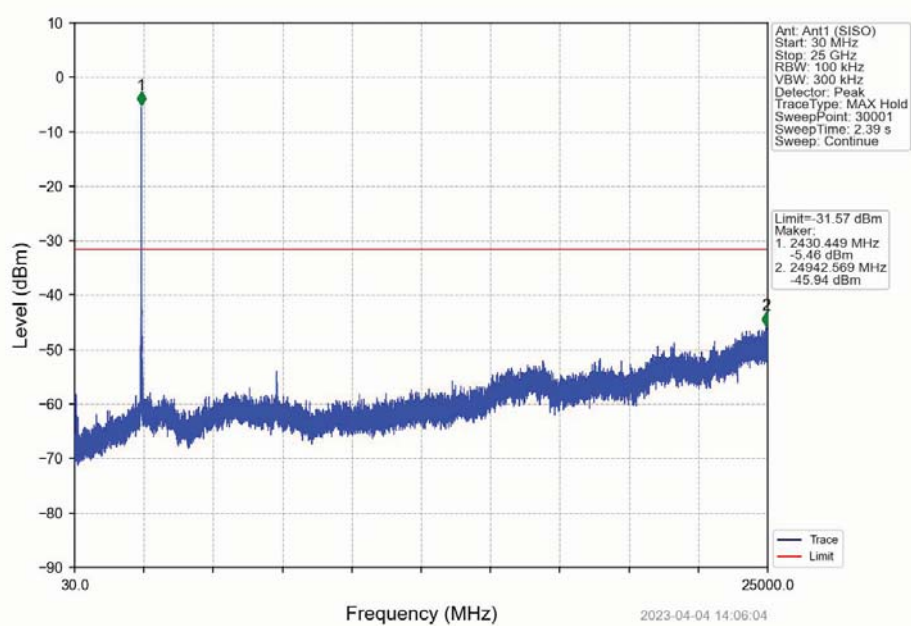
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

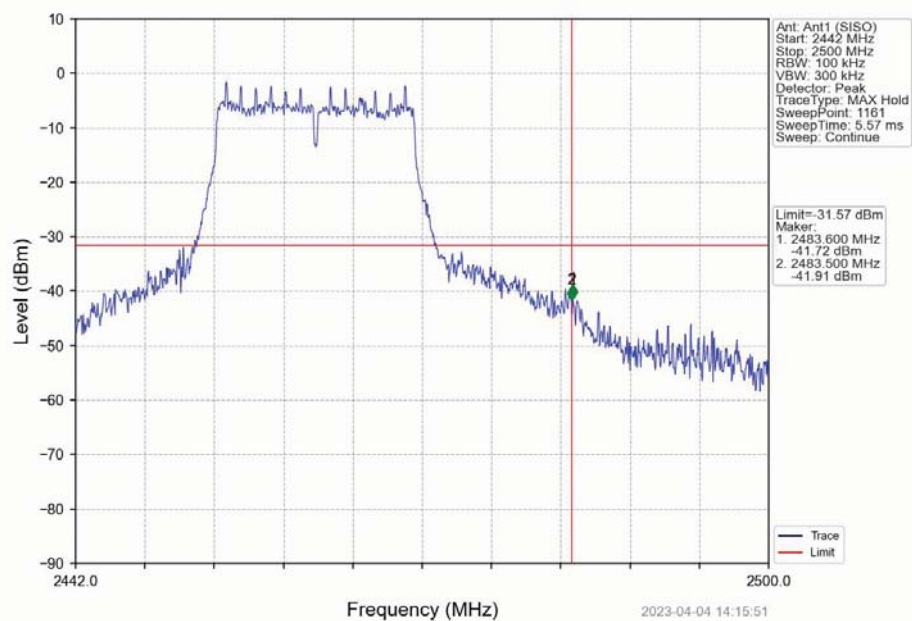


802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

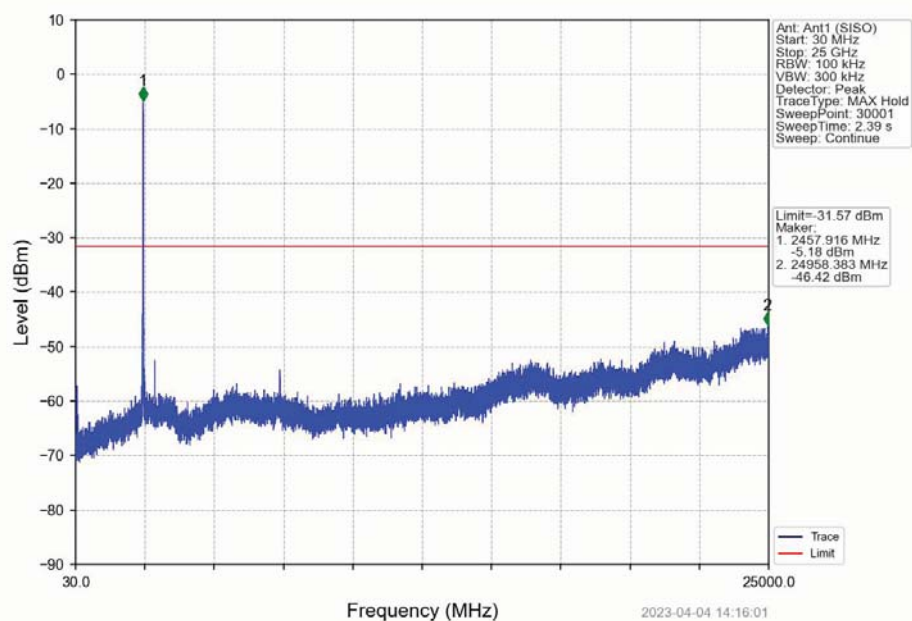




802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

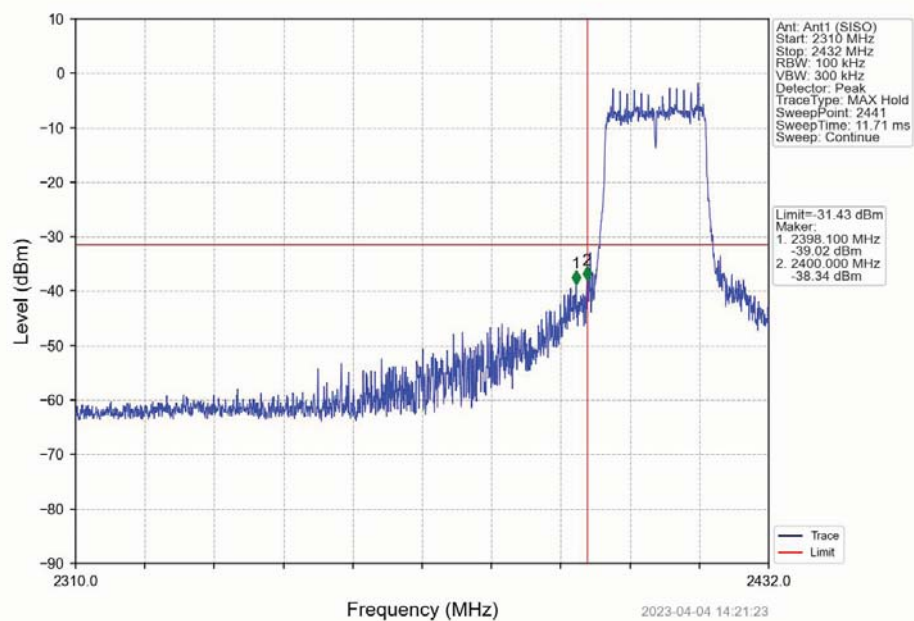


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

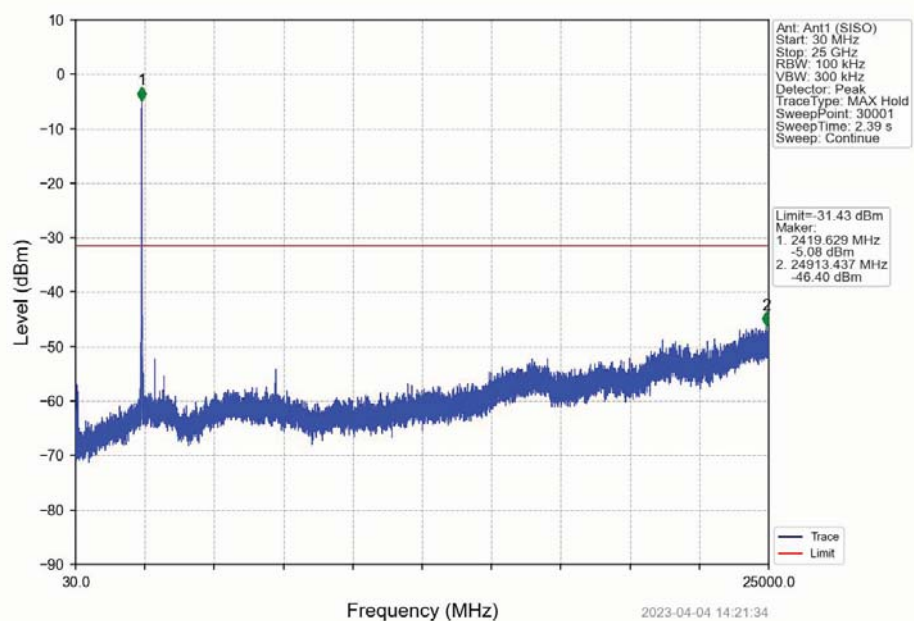




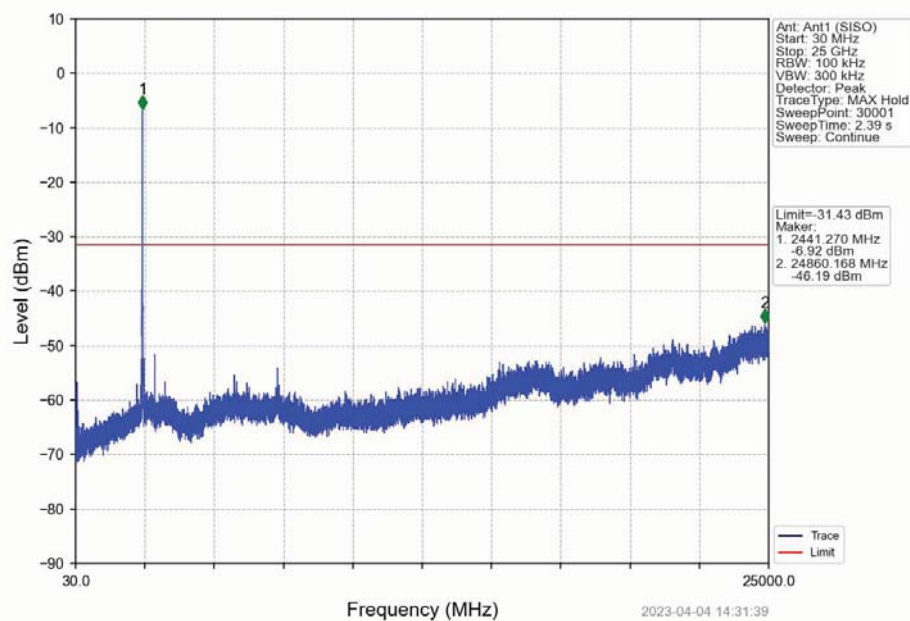
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

