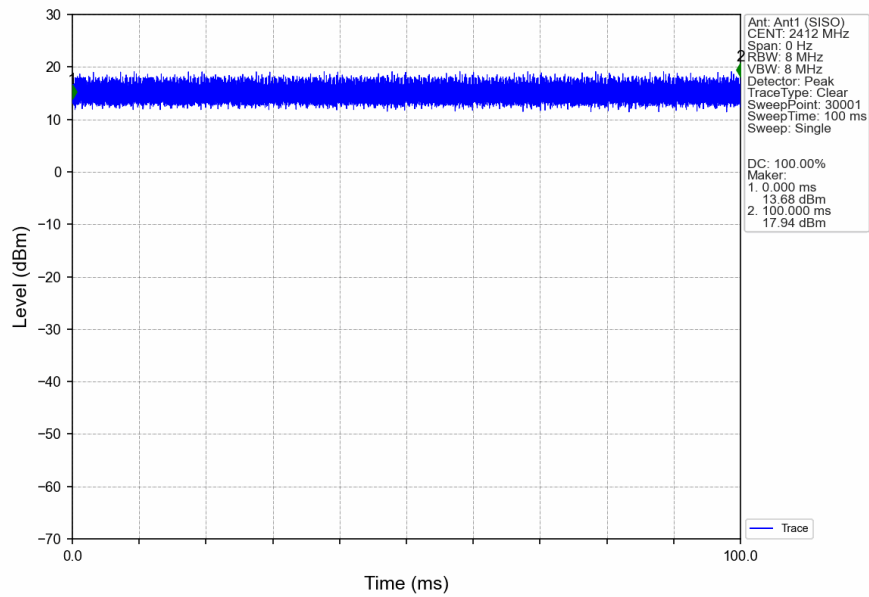
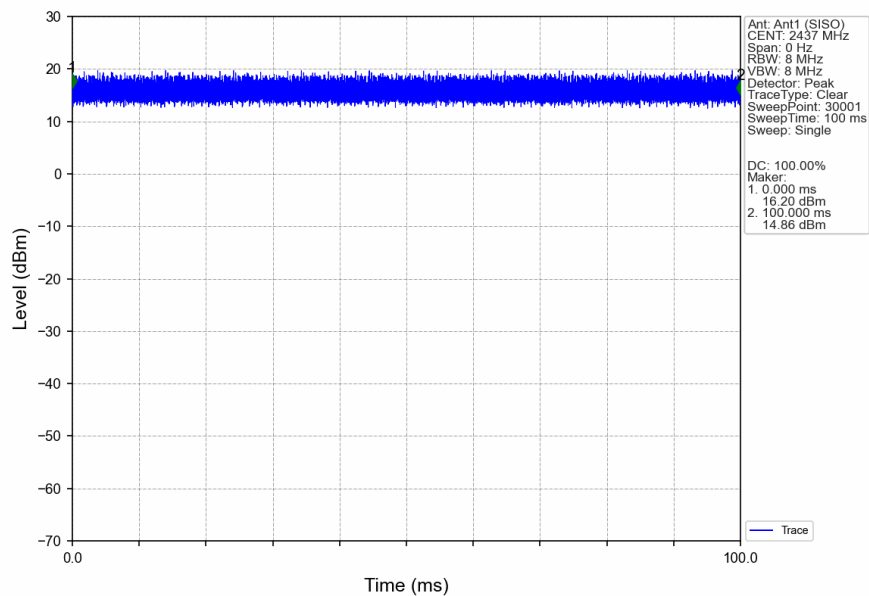
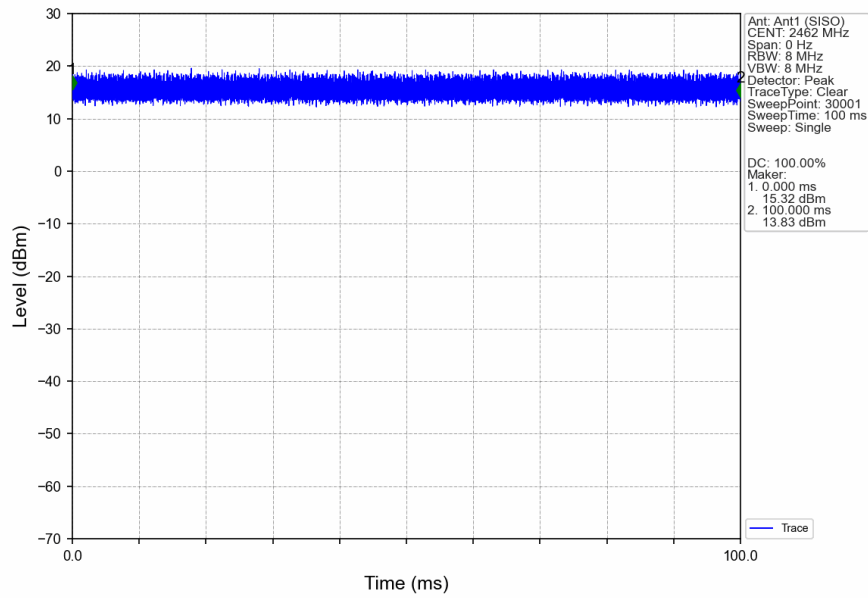




## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

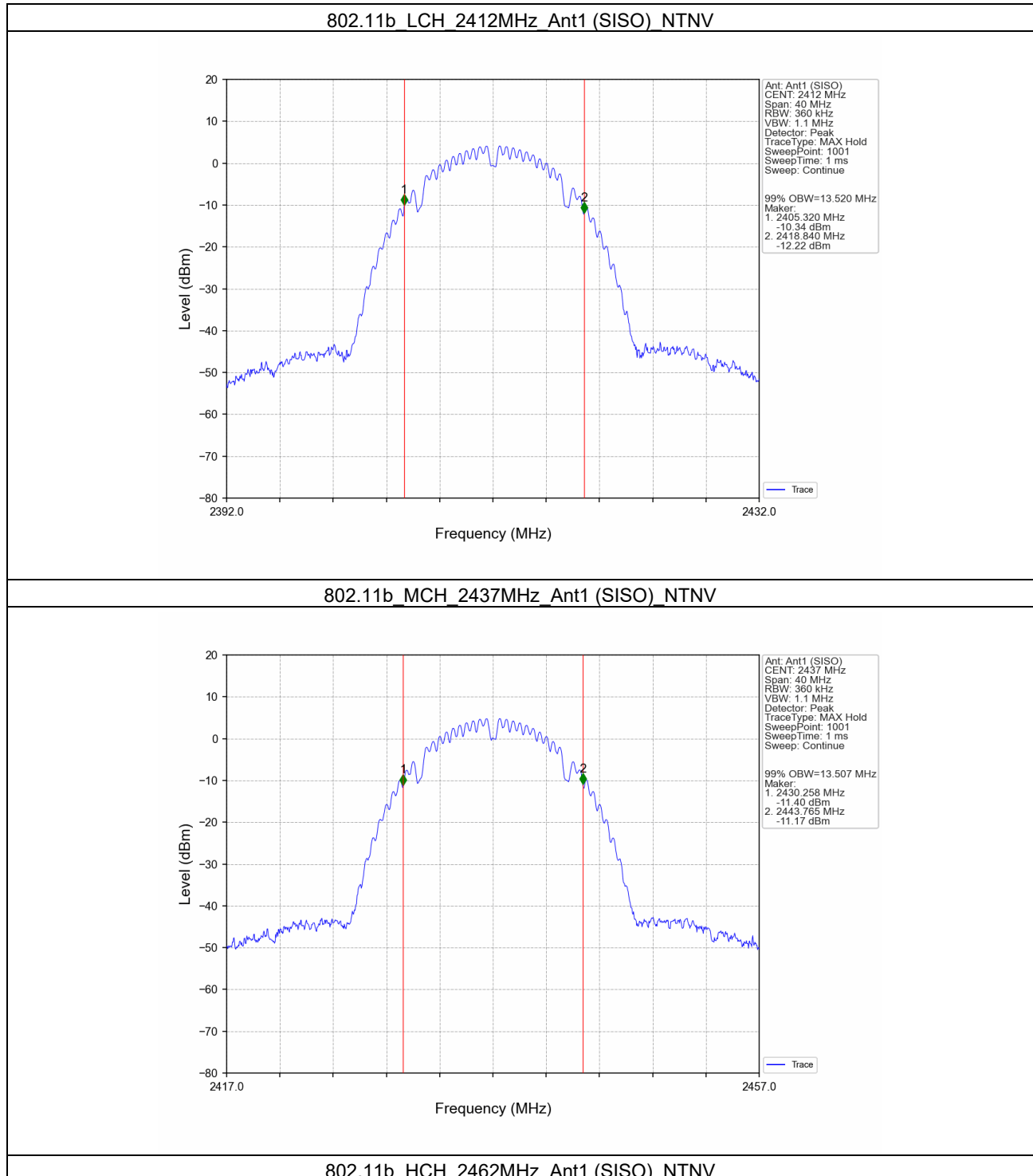
| Mode           | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-----|------------------------------|-------|---------|
|                |         |                 |     | Result                       | Limit |         |
| 802.11b        | SISO    | 2412            | 1   | 13.520                       | /     | Pass    |
|                |         | 2437            | 1   | 13.507                       | /     | Pass    |
|                |         | 2462            | 1   | 13.481                       | /     | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 17.511                       | /     | Pass    |
|                |         | 2437            | 1   | 17.504                       | /     | Pass    |
|                |         | 2462            | 1   | 17.582                       | /     | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 18.396                       | /     | Pass    |
|                |         | 2437            | 1   | 18.406                       | /     | Pass    |
|                |         | 2462            | 1   | 18.406                       | /     | Pass    |

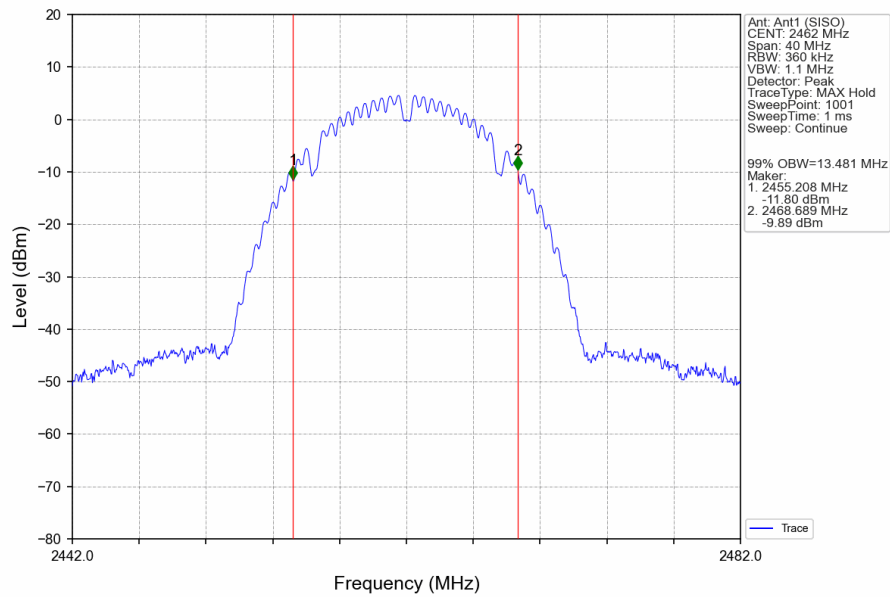
#### 2.1.2 6dB BW

| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 9.193               | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 9.201               | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 9.193               | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.668              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.743              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.919              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 17.858              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 17.824              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 17.737              | $\geq 0.5$ | Pass    |

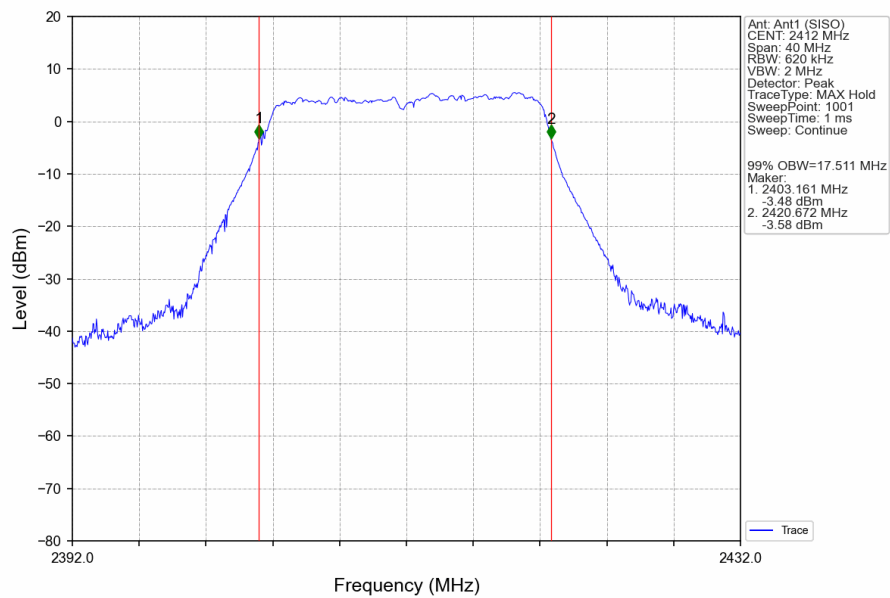
## 2.2 Test Graph

### 2.2.1 OBW

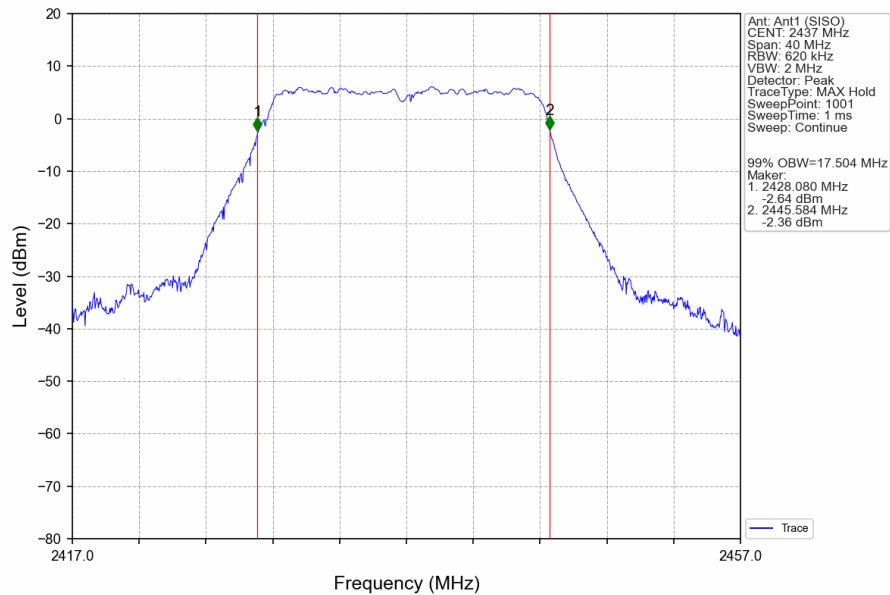




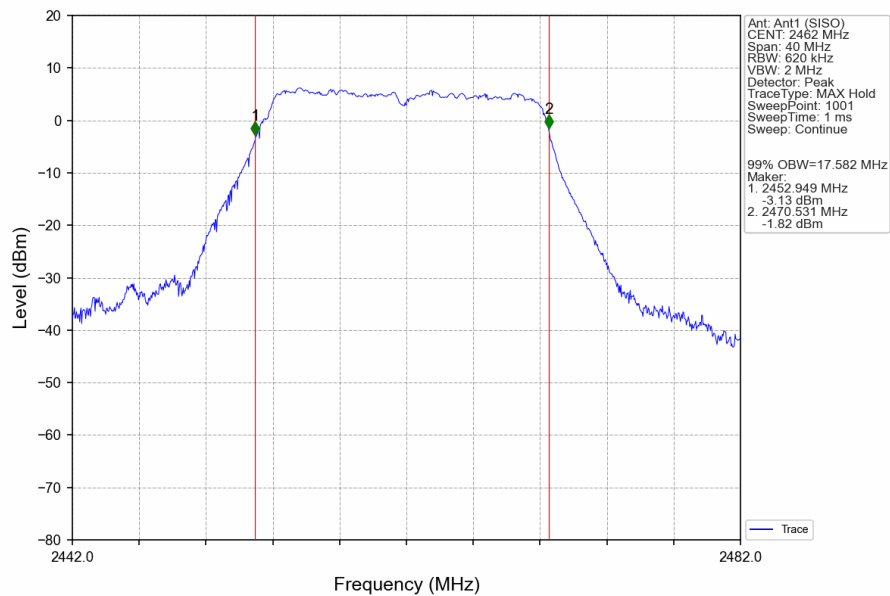
## 802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



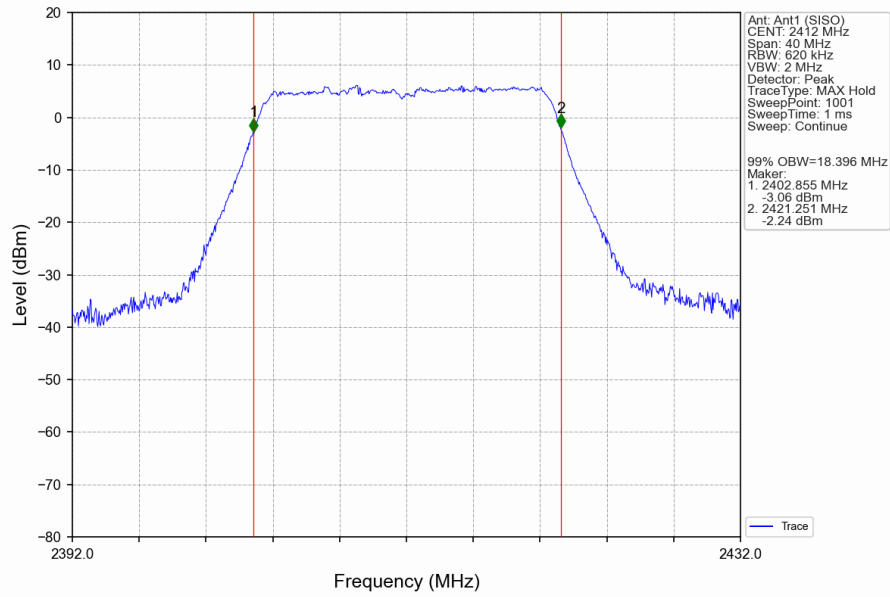
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



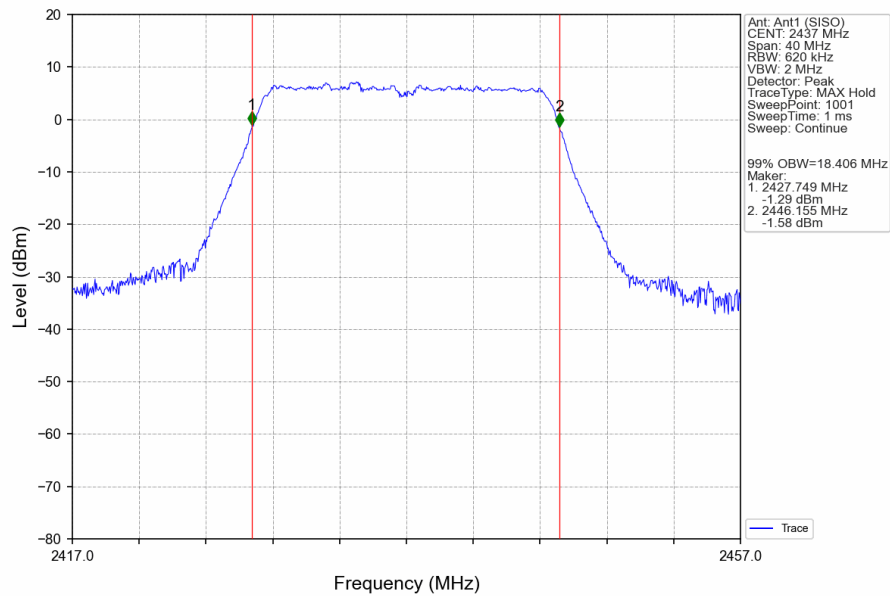
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



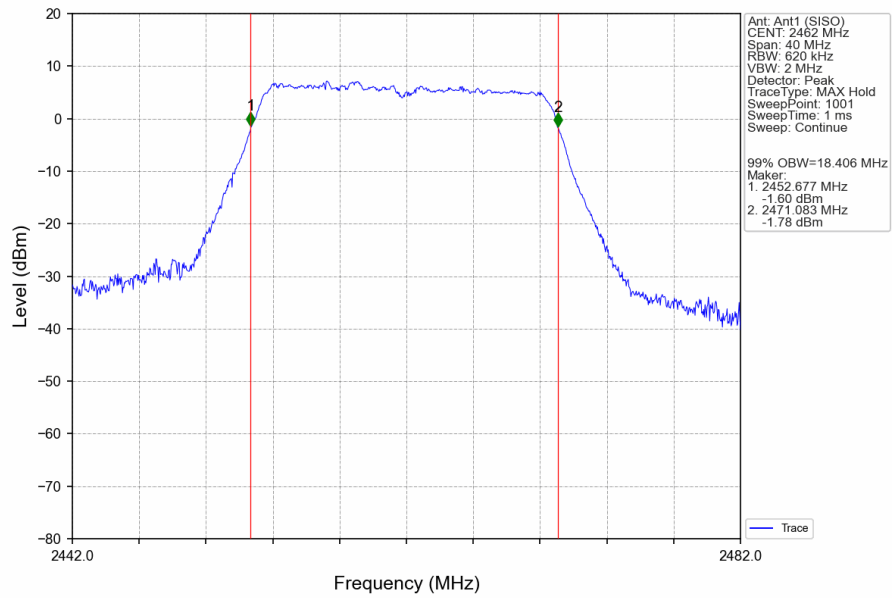
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

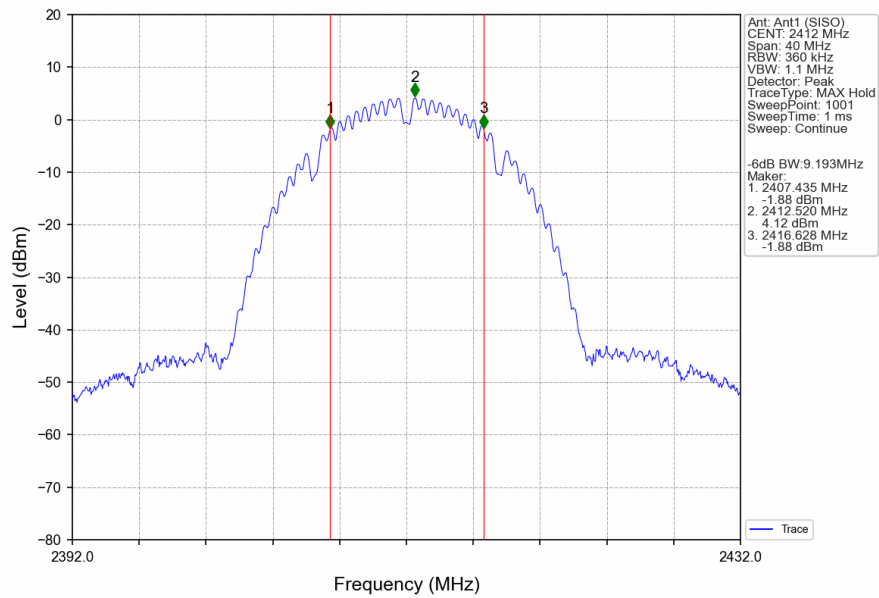


## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

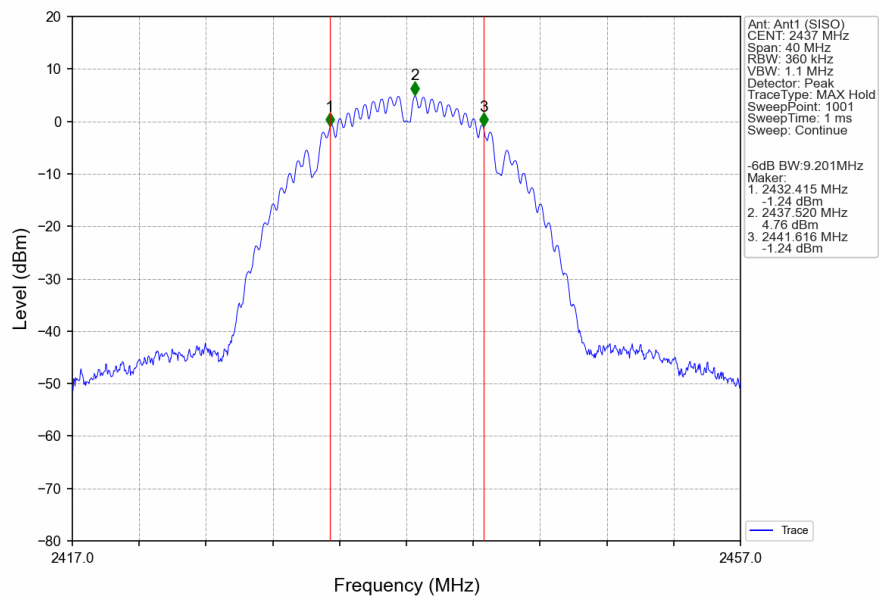


## 2.2.2 6dB BW

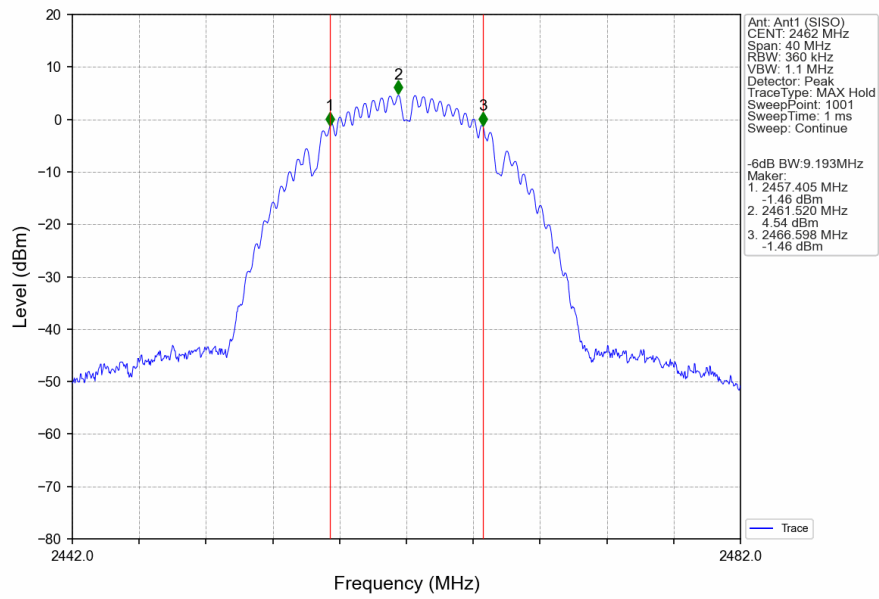
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



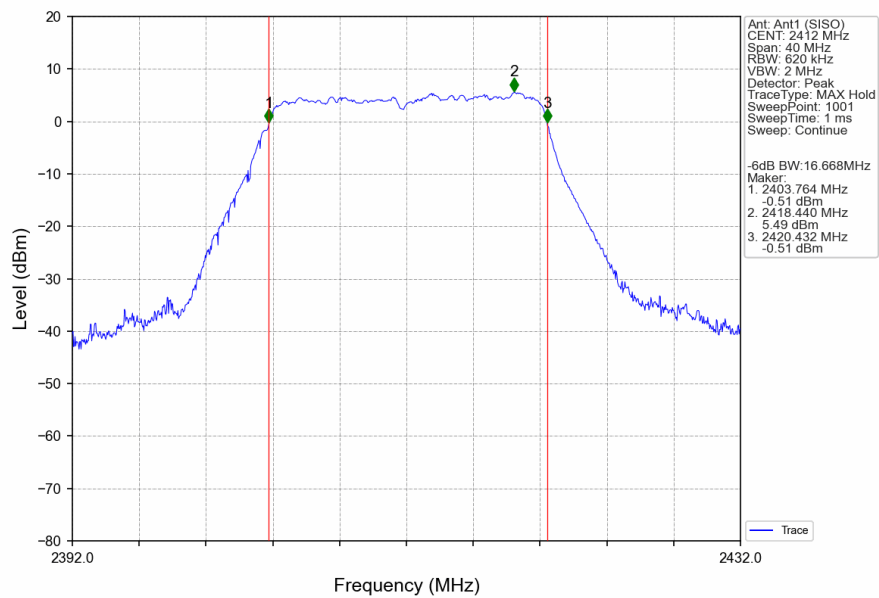
802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



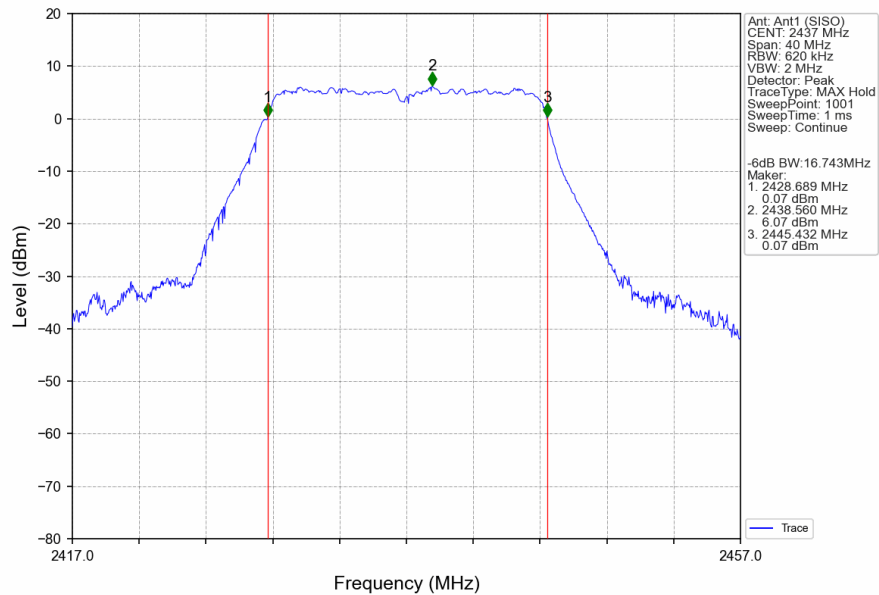
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



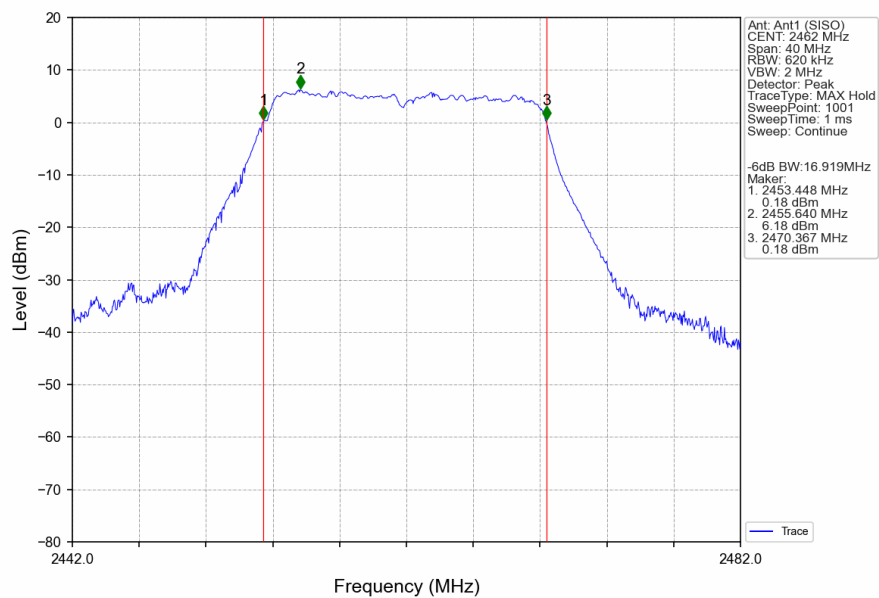
## 802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



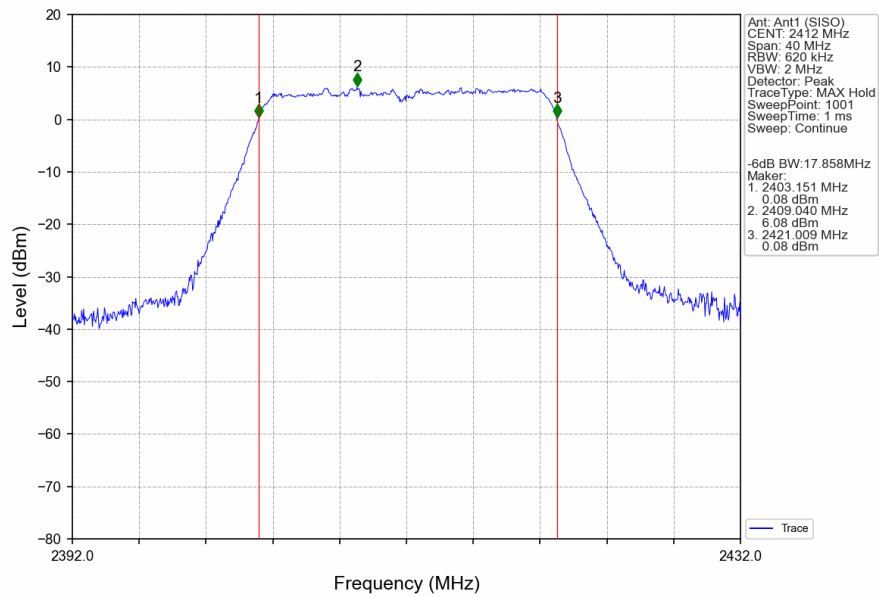
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



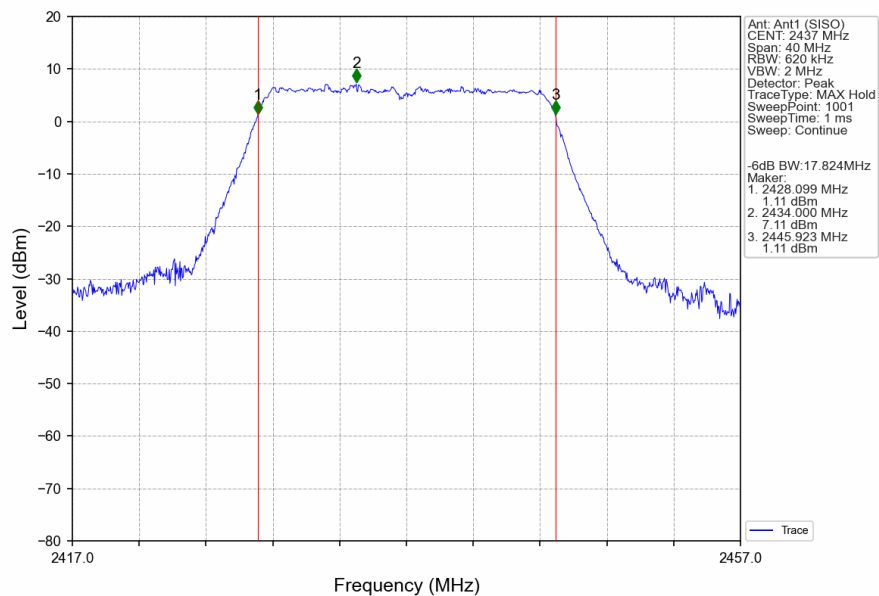
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



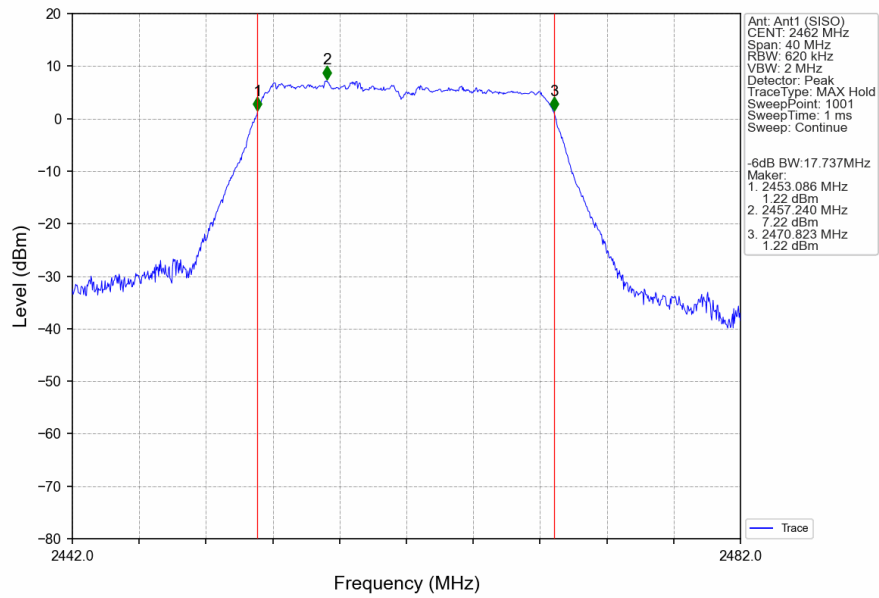
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



## 802.11n(HT20) MCH\_2437MHz\_Ant1 (SISO)\_NTNV



## 802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



### 3. Maximum Conducted Output Power

#### 3.1 Test Result

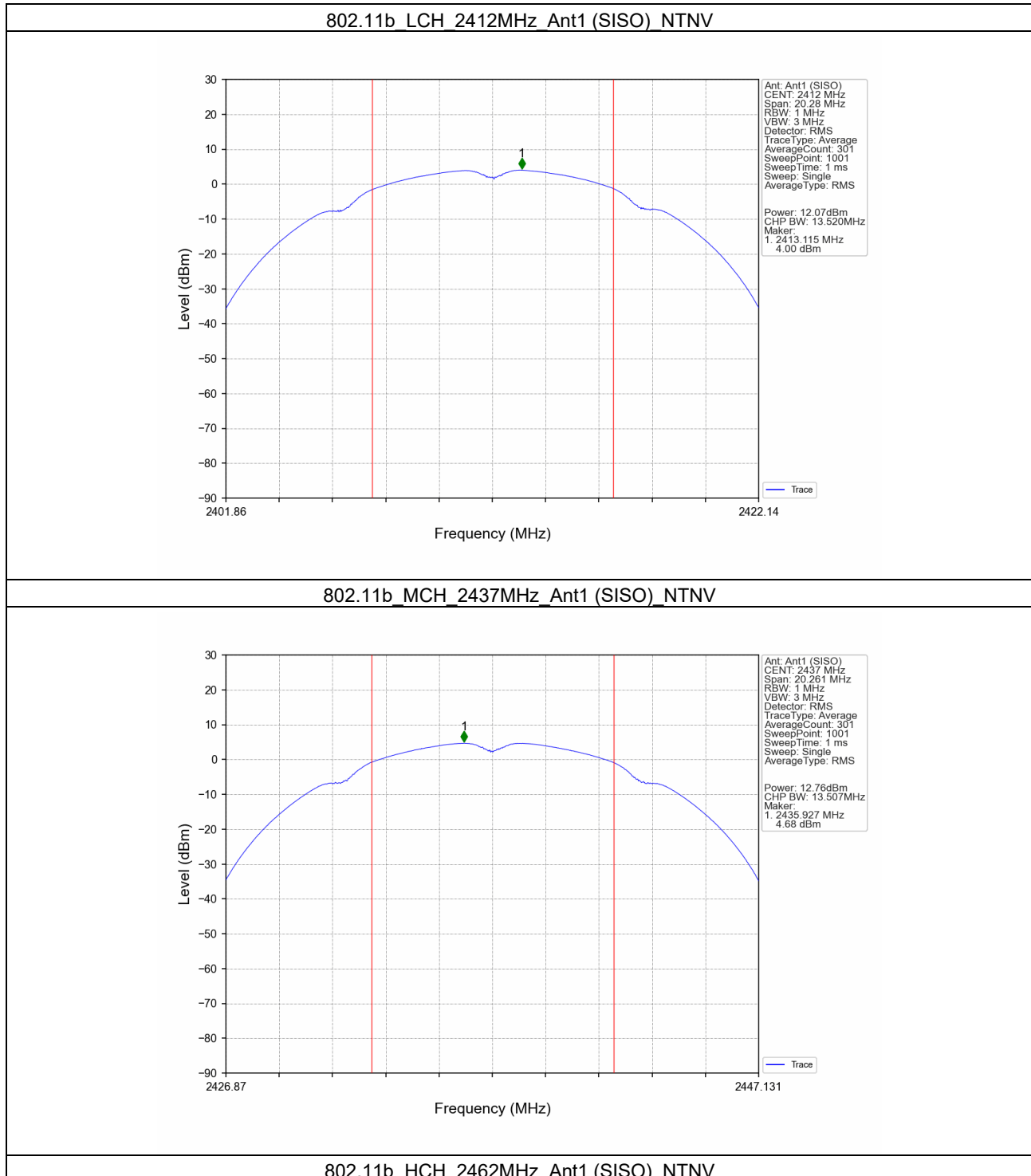
##### 3.1.1 Power

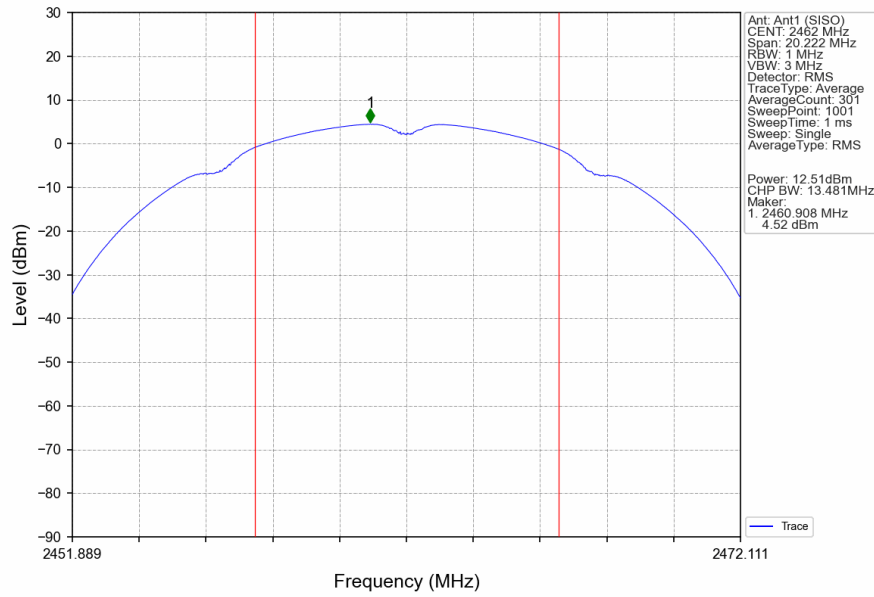
| Mode           | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |           | Verdict |
|----------------|---------|-----------------|----------------------------------------------|-----------|---------|
|                |         |                 | ANT1                                         | Limit     |         |
| 802.11b        | SISO    | 2412            | 12.07                                        | $\leq 30$ | Pass    |
|                |         | 2437            | 12.76                                        | $\leq 30$ | Pass    |
|                |         | 2462            | 12.51                                        | $\leq 30$ | Pass    |
| 802.11g        | SISO    | 2412            | 11.59                                        | $\leq 30$ | Pass    |
|                |         | 2437            | 12.46                                        | $\leq 30$ | Pass    |
|                |         | 2462            | 12.25                                        | $\leq 30$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 12.50                                        | $\leq 30$ | Pass    |
|                |         | 2437            | 13.33                                        | $\leq 30$ | Pass    |
|                |         | 2462            | 13.07                                        | $\leq 30$ | Pass    |

Note1: Antenna Gain: Ant1: 3.80dBi;

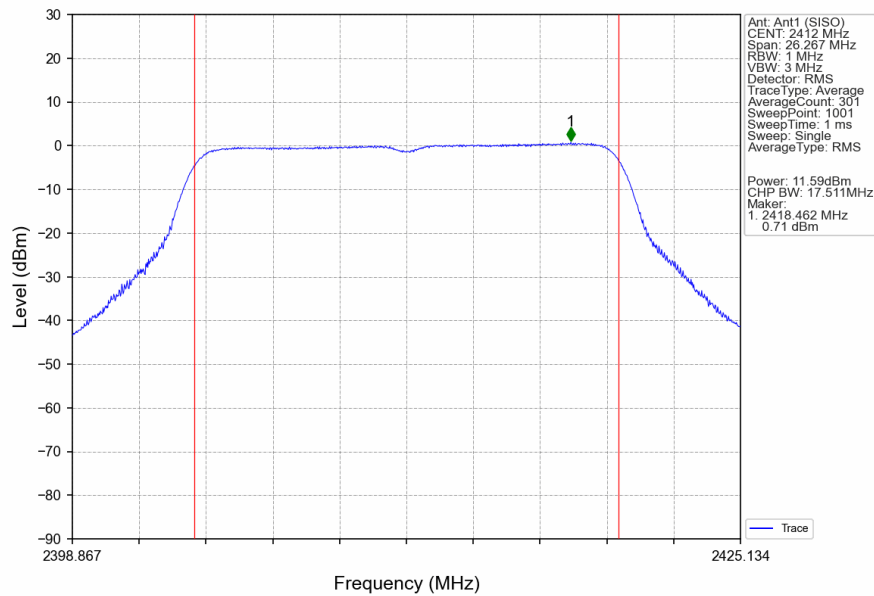
## 3.2 Test Graph

### 3.2.1 Power

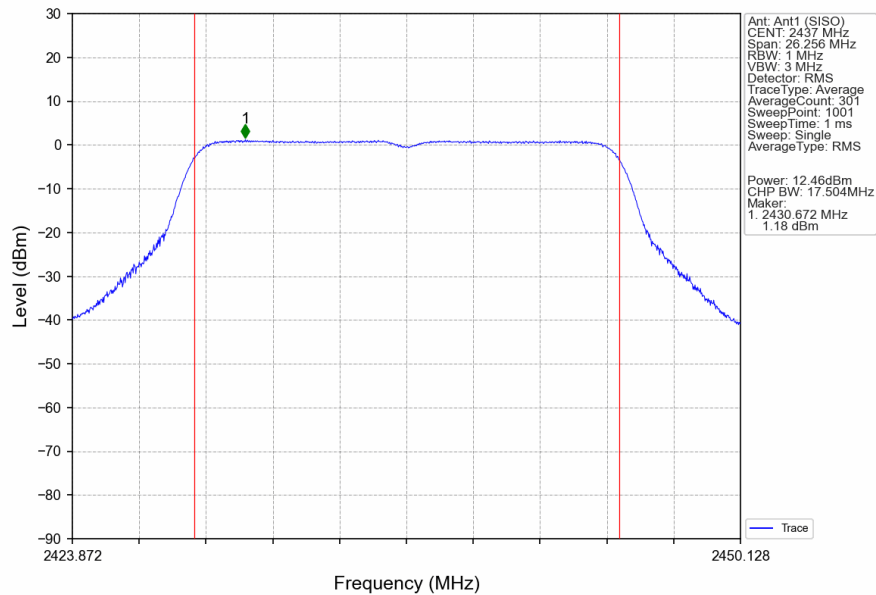




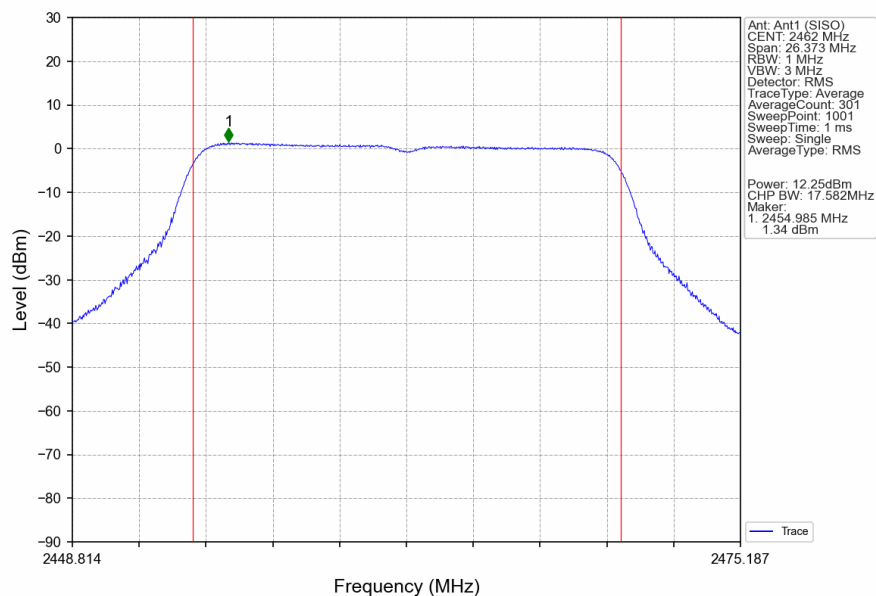
## 802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



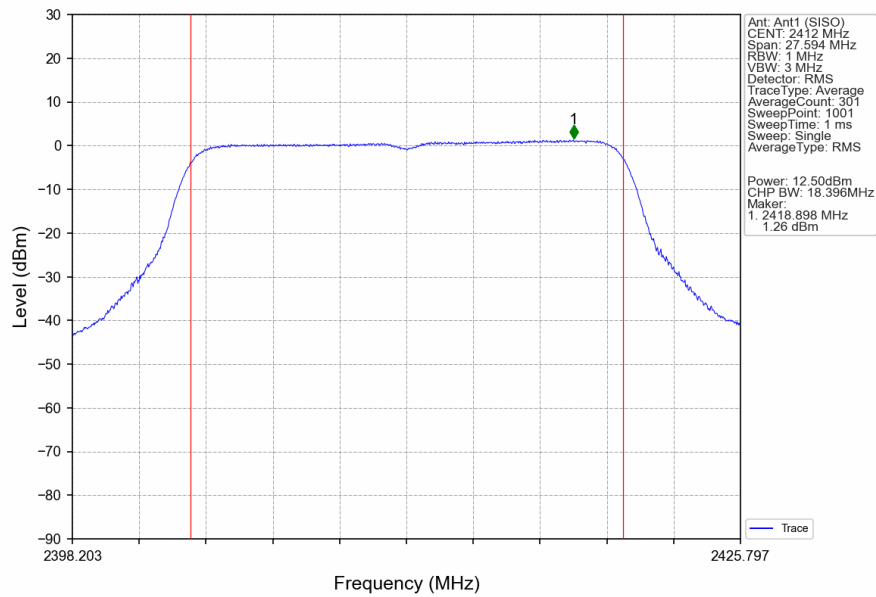
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



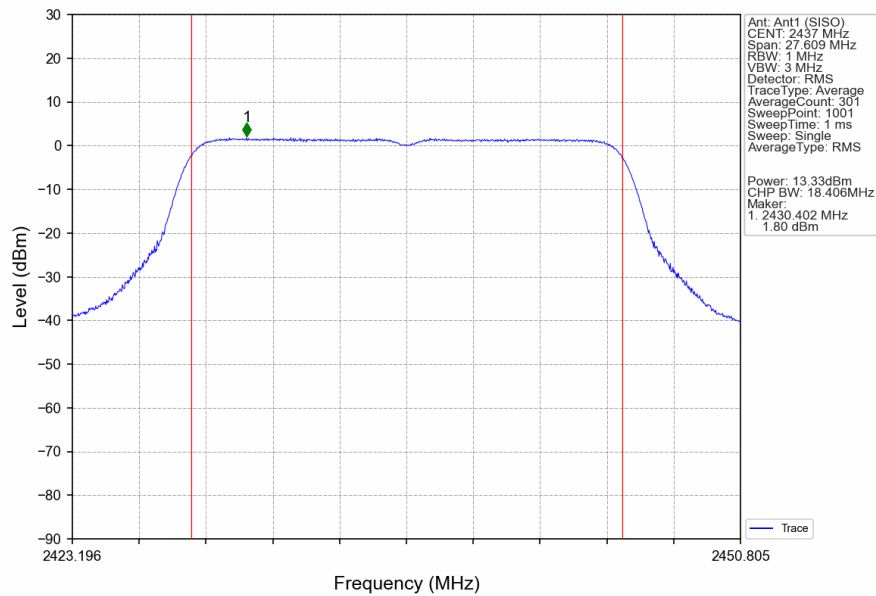
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



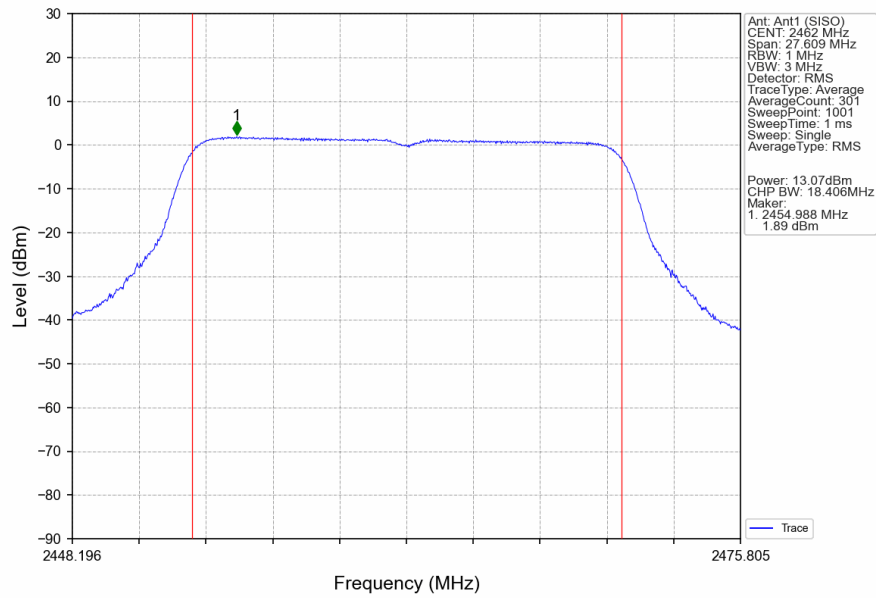
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



## 802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN





4. Maximum Power Spectral Density

4.1 Test Result

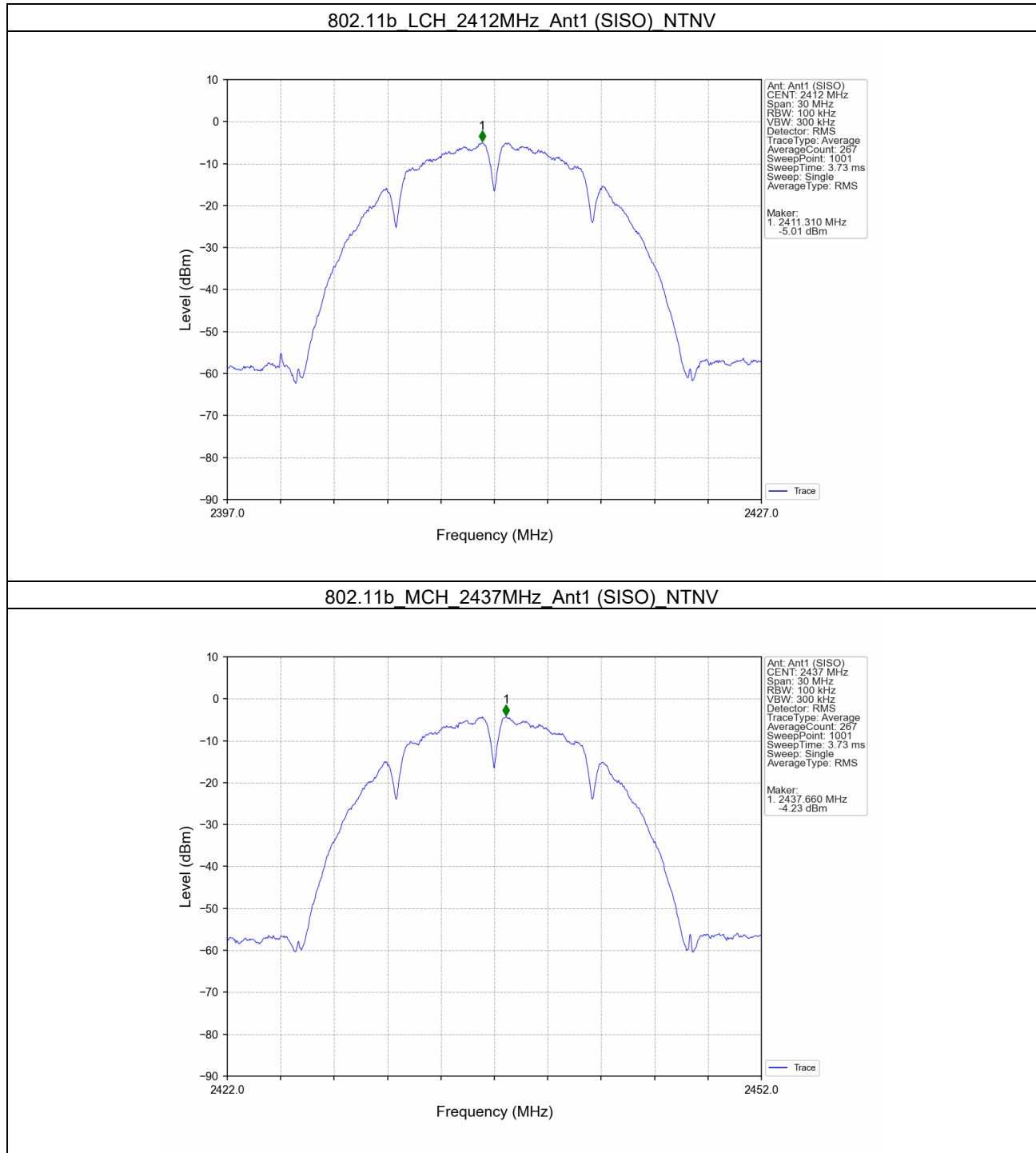
4.1.1 PSD

| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm) |       | Verdict |
|----------------|---------|-----------------|-------------------|-------|---------|
|                |         |                 | ANT1              | Limit |         |
| 802.11b        | SISO    | 2412            | -5.01             | <=8   | Pass    |
|                |         | 2437            | -4.23             | <=8   | Pass    |
|                |         | 2462            | -4.46             | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -8.44             | <=8   | Pass    |
|                |         | 2437            | -7.91             | <=8   | Pass    |
|                |         | 2462            | -7.69             | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -7.84             | <=8   | Pass    |
|                |         | 2437            | -7.23             | <=8   | Pass    |
|                |         | 2462            | -7.33             | <=8   | Pass    |

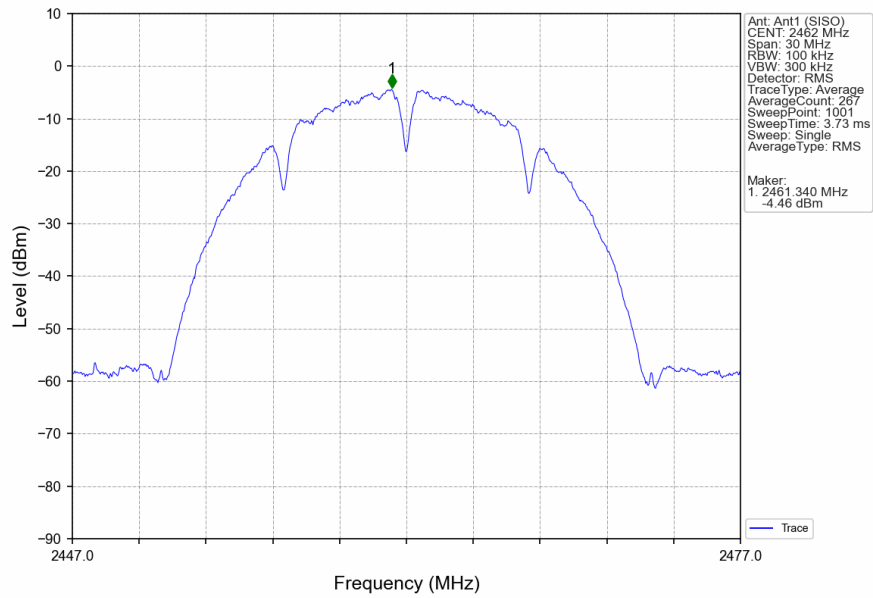
Note1: Antenna Gain: Ant1: 3.80dBi;

## 4.2 Test Graph

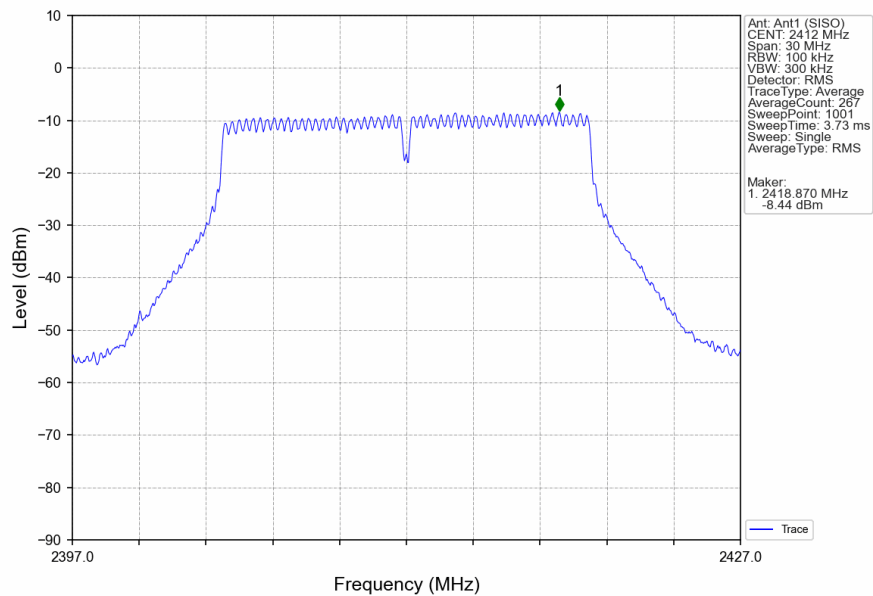
### 4.2.1 PSD



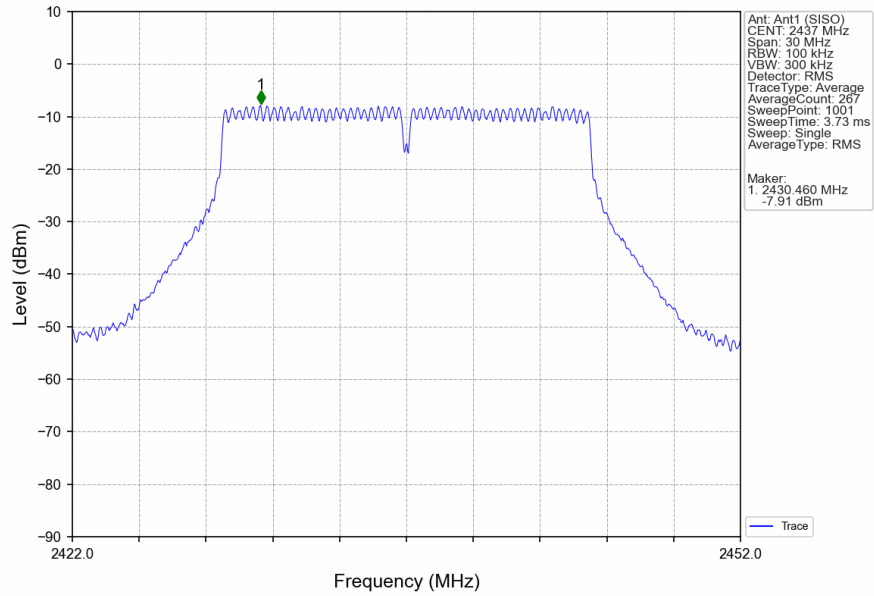
## 802.11b HCH 2462MHz Ant1 (SISO) NTN



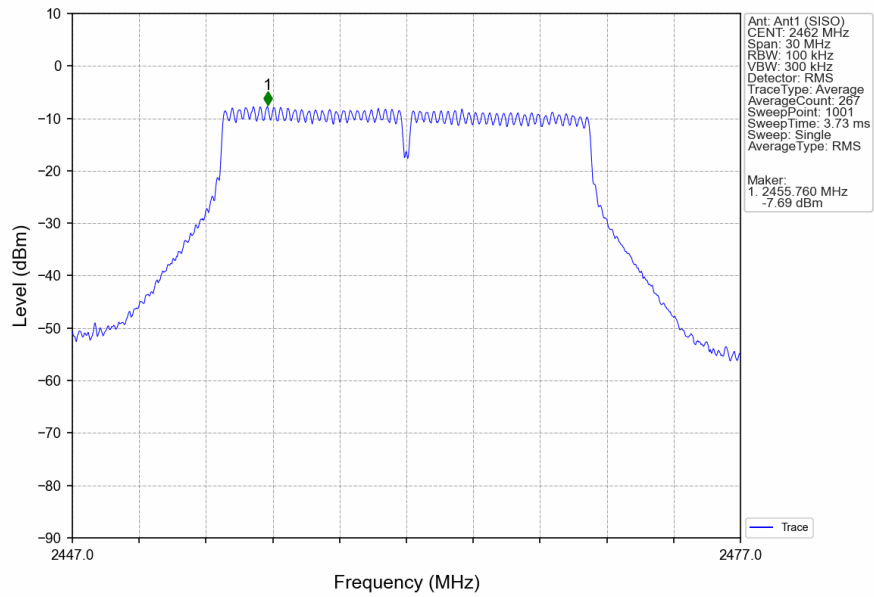
## 802.11g LCH 2412MHz Ant1 (SISO) NTN



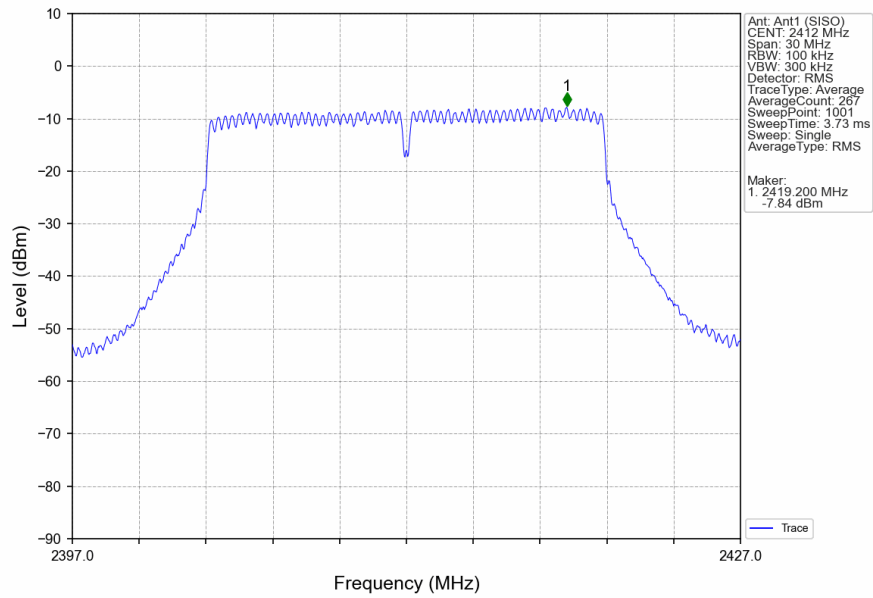
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



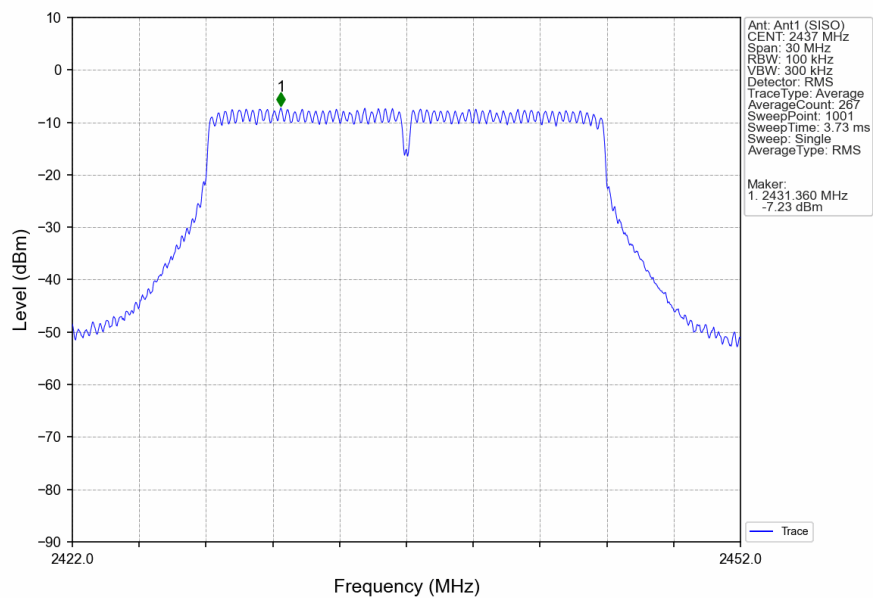
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



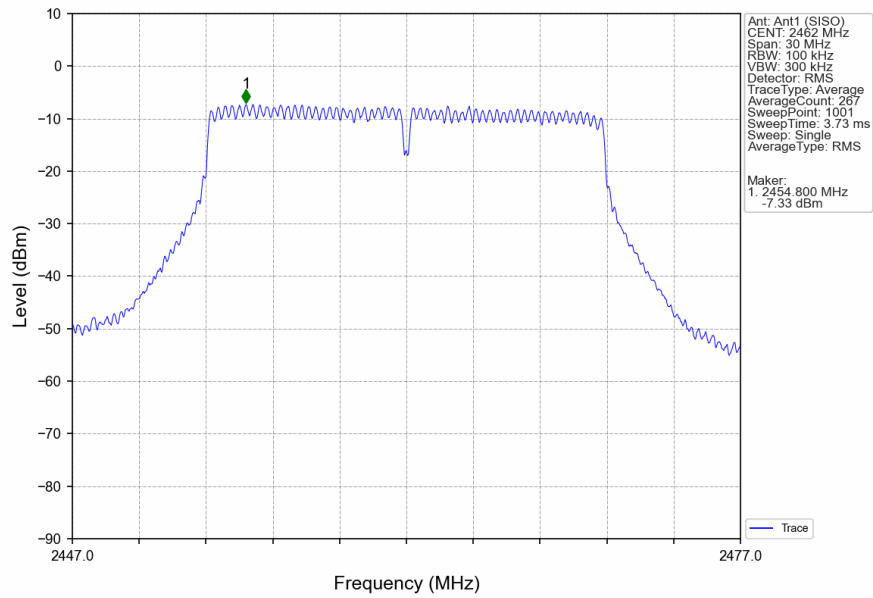
802.11n(HT20) LCH 2412MHz\_Ant1 (SISO) NTN



802.11n(HT20) MCH 2437MHz\_Ant1 (SISO) NTN



## 802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



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

### 5.1 Test Result

#### 5.1.1 Ref

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 2.81                     |
|                |         | 2437            | 1   | 3.46                     |
|                |         | 2462            | 1   | 3.28                     |
| 802.11g        | SISO    | 2412            | 1   | -2.44                    |
|                |         | 2437            | 1   | -1.79                    |
|                |         | 2462            | 1   | -1.87                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -1.69                    |
|                |         | 2437            | 1   | -0.56                    |
|                |         | 2462            | 1   | -0.56                    |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

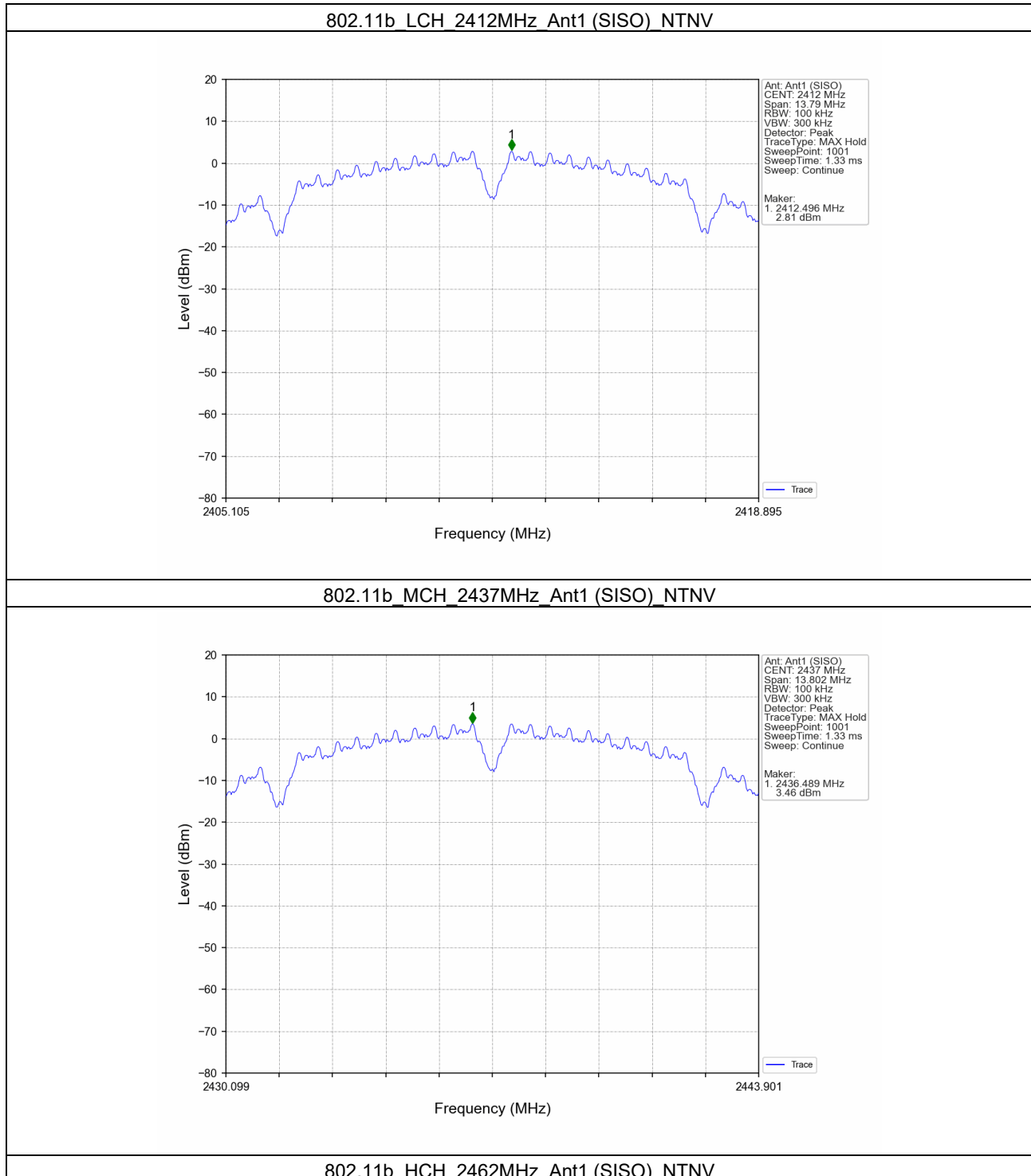
#### 5.1.2 CSE

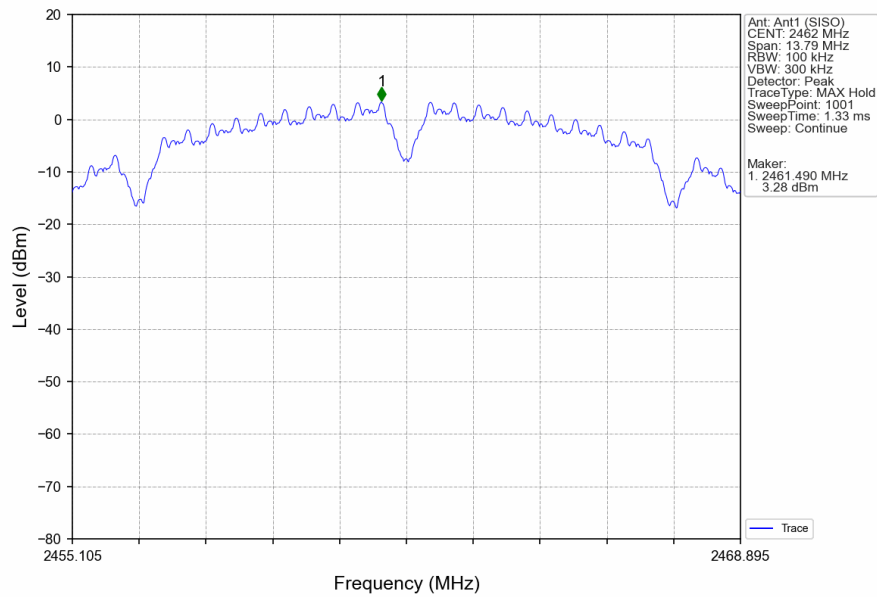
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 3.46                     | -26.54      | Pass    |
|                |         | 2437            | 1   | 3.46                     | -26.54      | Pass    |
|                |         | 2462            | 1   | 3.46                     | -26.54      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -1.79                    | -31.79      | Pass    |
|                |         | 2437            | 1   | -1.79                    | -31.79      | Pass    |
|                |         | 2462            | 1   | -1.79                    | -31.79      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -0.56                    | -30.56      | Pass    |
|                |         | 2437            | 1   | -0.56                    | -30.56      | Pass    |
|                |         | 2462            | 1   | -0.56                    | -30.56      | Pass    |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

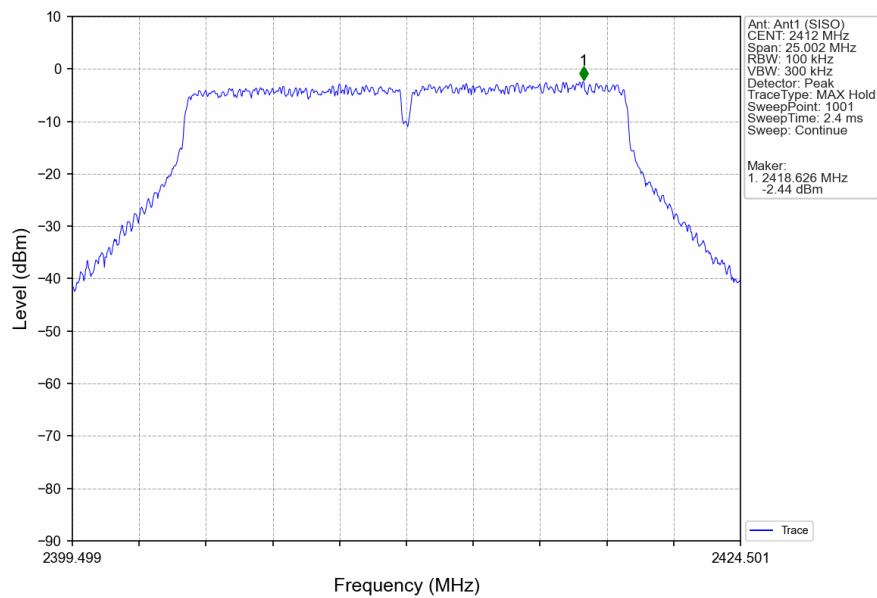
## 5.2 Test Graph

### 5.2.1 Ref

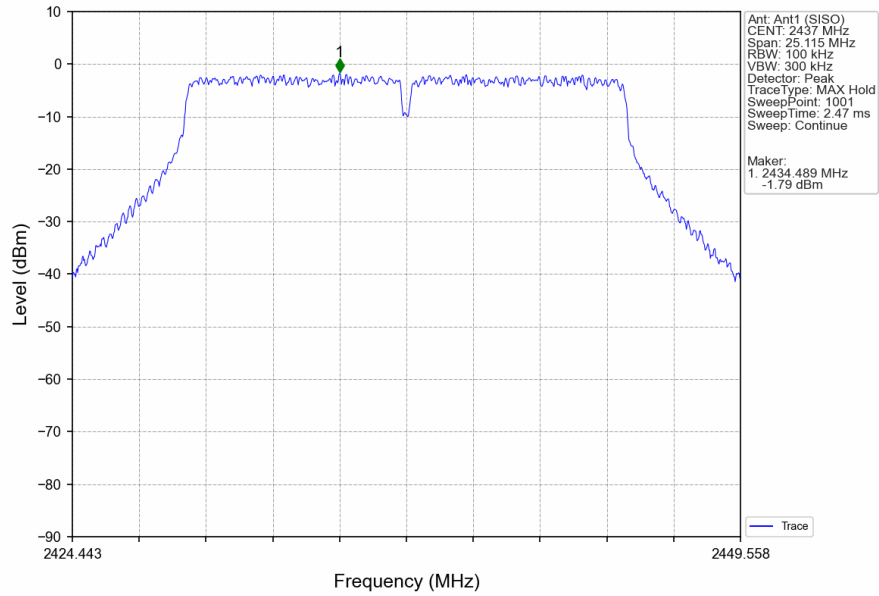




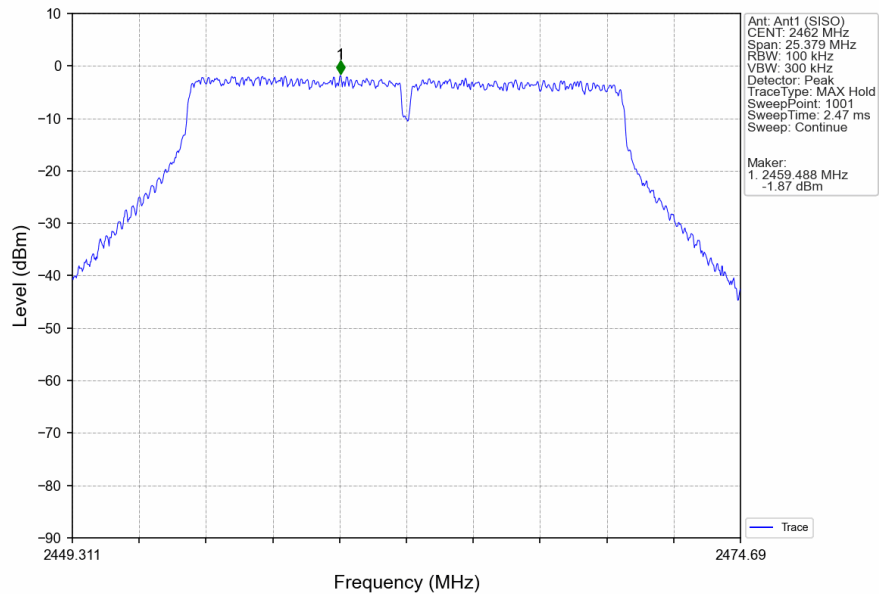
## 802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



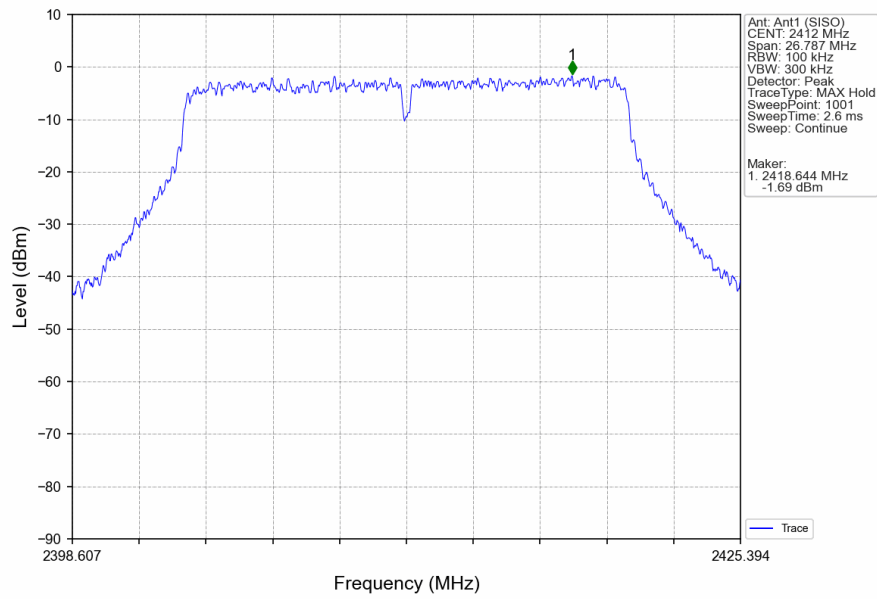
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



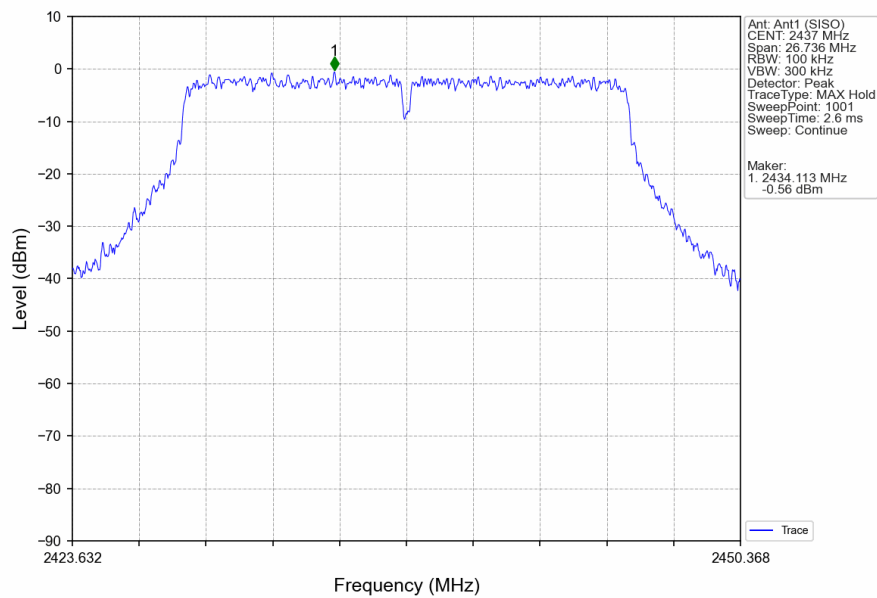
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



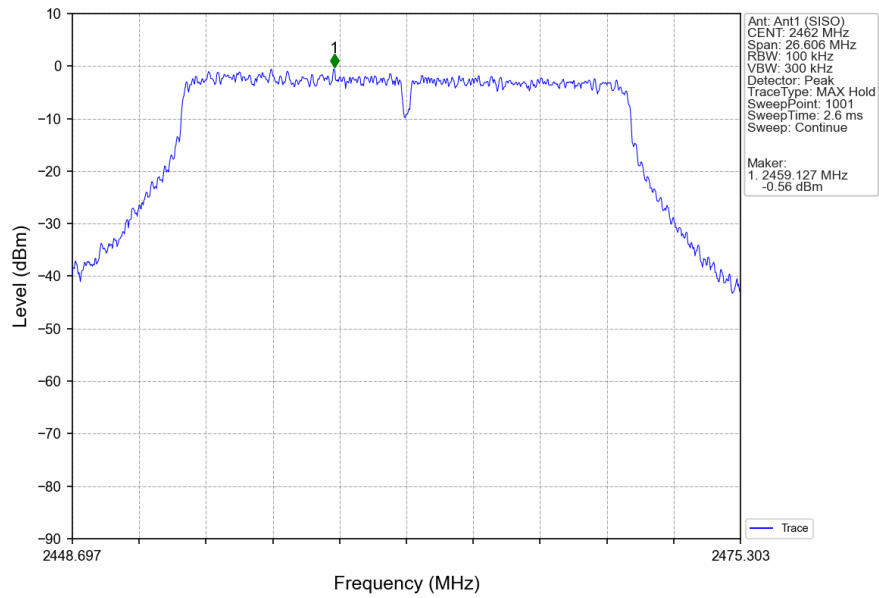
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



## 802.11n(HT20) MCH\_2437MHz\_Ant1 (SISO) NTN

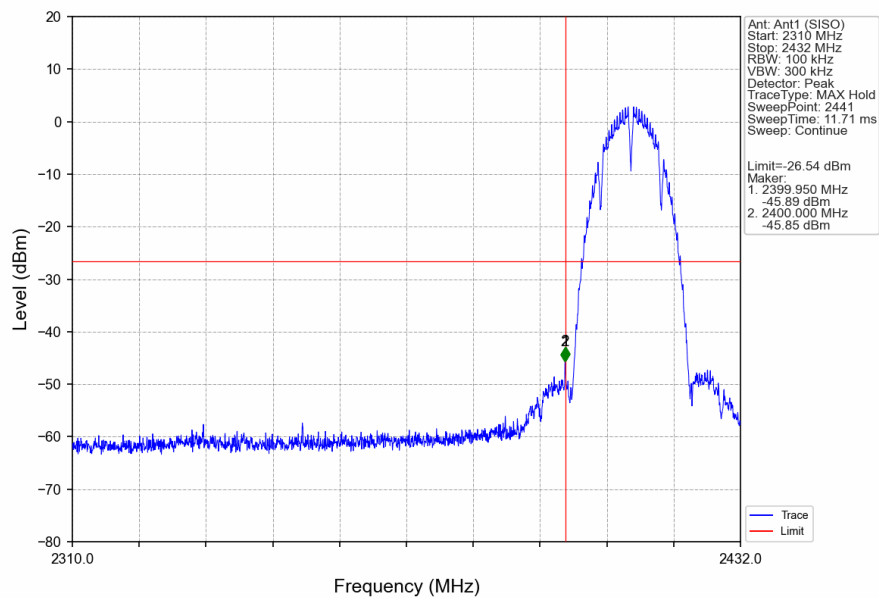


## 802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN

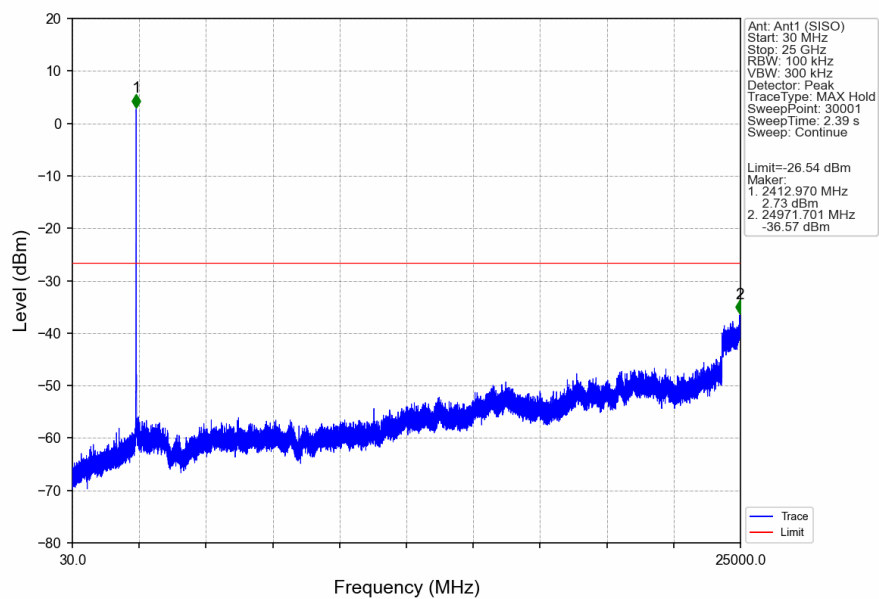


## 5.2.2 CSE

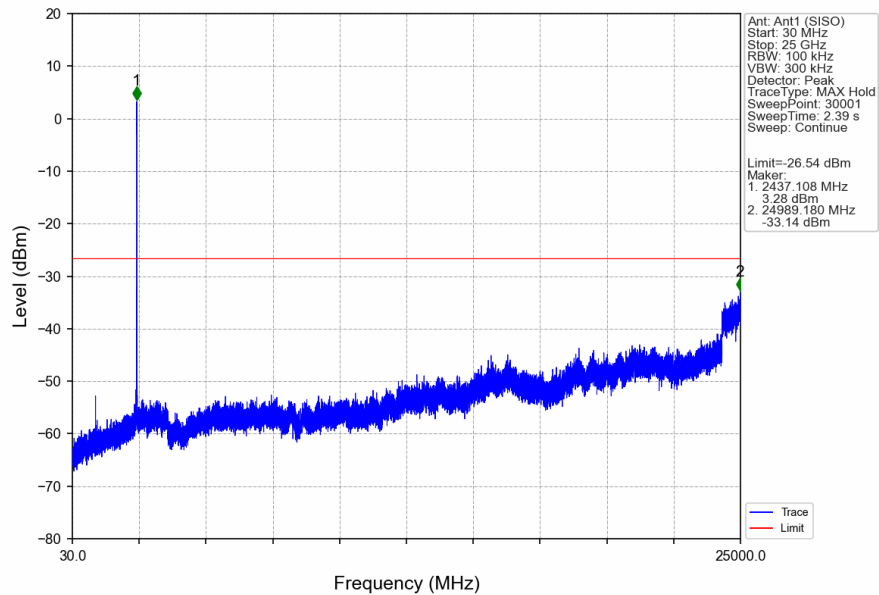
802.11b LCH 2412MHz\_Ant1 (SISO)\_NTNV



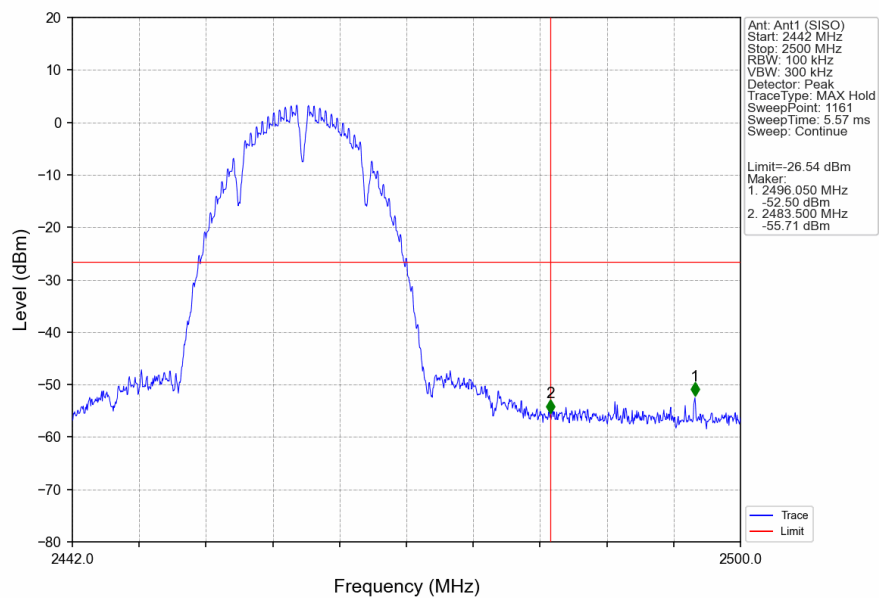
802.11b LCH 2412MHz\_Ant1 (SISO)\_NTNV



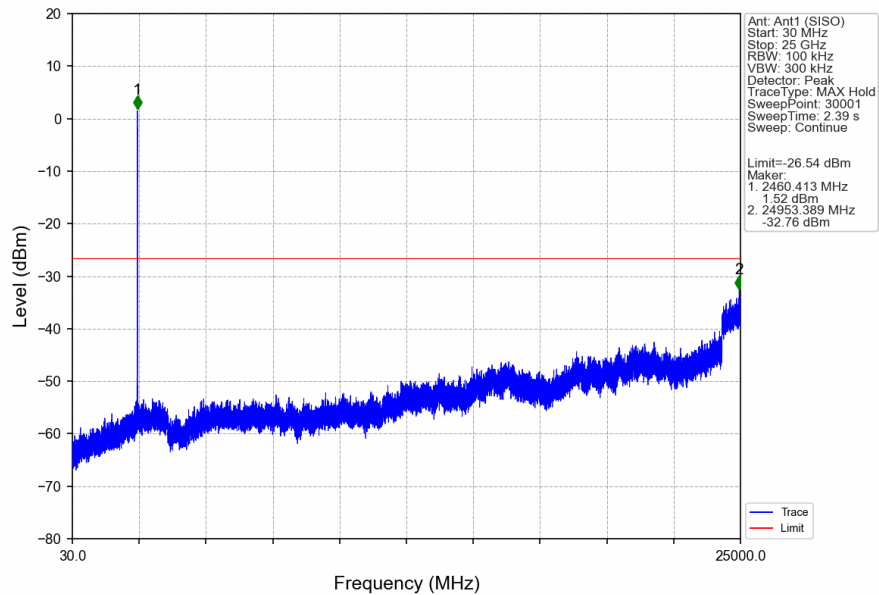
## 802.11b MCH 2437MHz\_Ant1 (SISO)\_NTNV



## 802.11b HCH 2462MHz\_Ant1 (SISO)\_NTNV



## 802.11b HCH 2462MHz\_Ant1 (SISO) NTN



## 802.11g LCH 2412MHz\_Ant1 (SISO) NTN

