

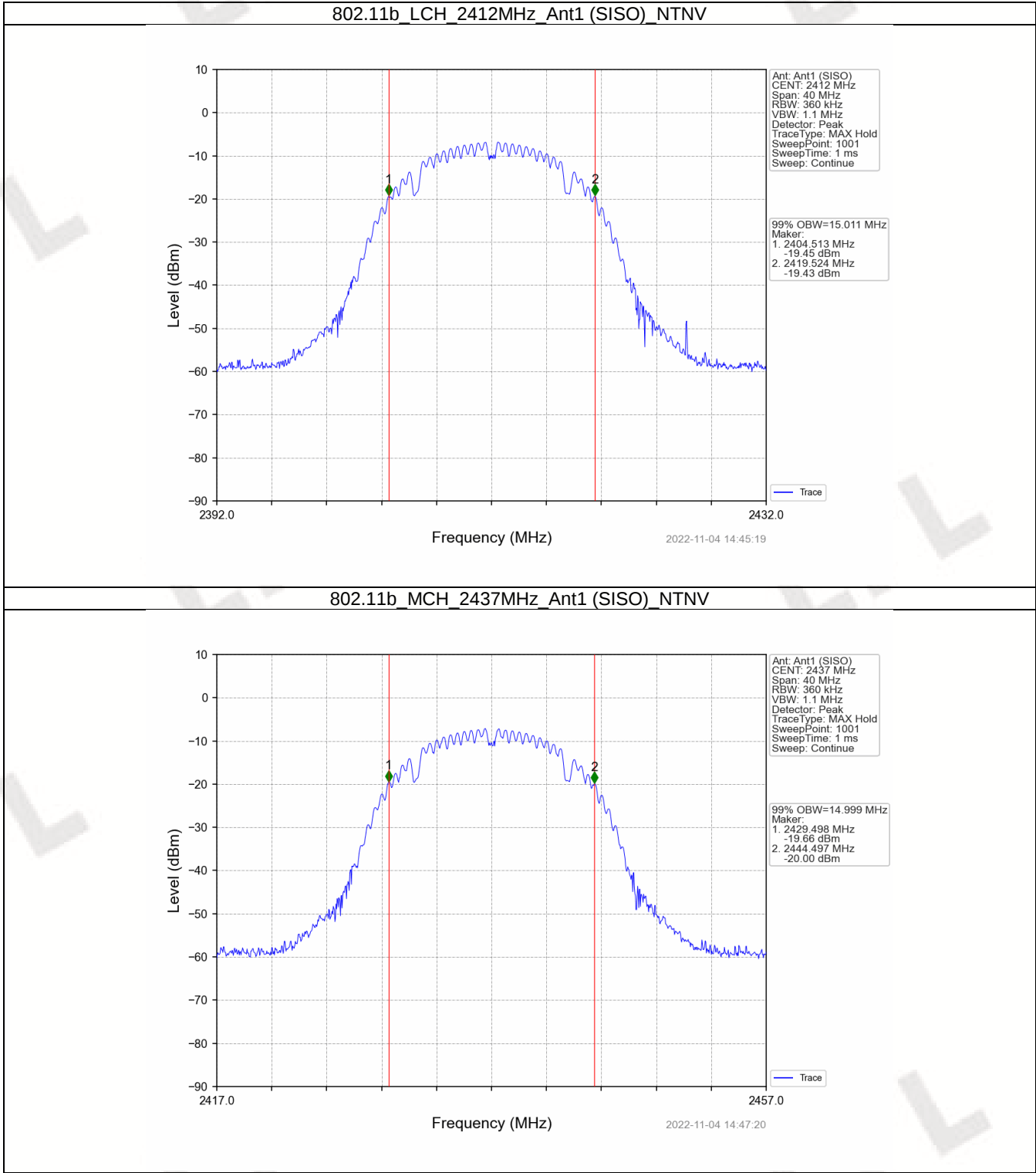
## 1. Bandwidth

### 1.1 OBW

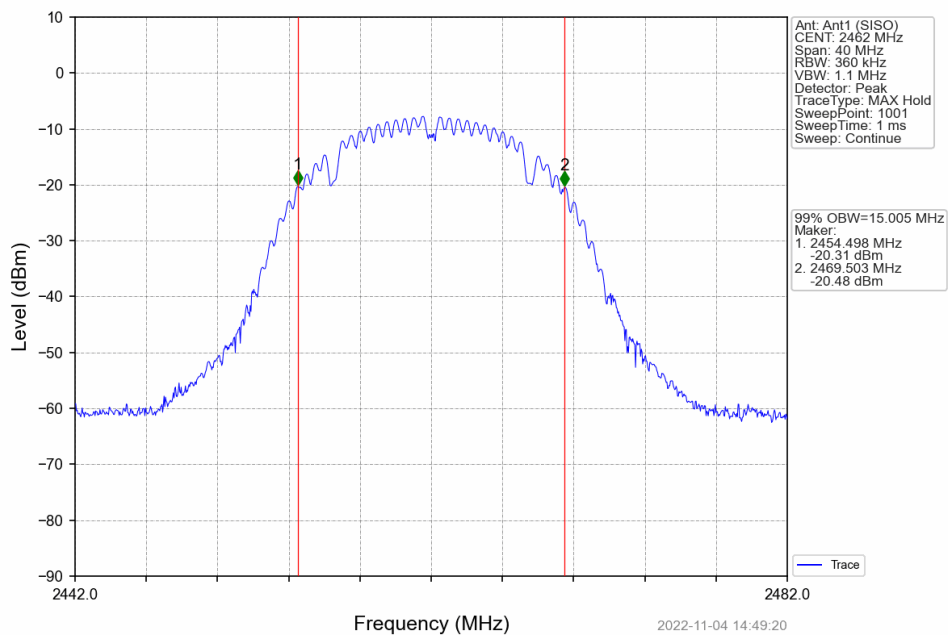
#### 1.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|----------------|---------|-----------------|-----|------------------------------|---------|
|                |         |                 |     | Result                       |         |
| 802.11b        | SISO    | 2412            | 1   | 15.011                       | Pass    |
|                |         | 2437            | 1   | 14.999                       | Pass    |
|                |         | 2462            | 1   | 15.005                       | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 17.410                       | Pass    |
|                |         | 2437            | 1   | 17.391                       | Pass    |
|                |         | 2462            | 1   | 17.416                       | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 18.336                       | Pass    |
|                |         | 2437            | 1   | 18.303                       | Pass    |
|                |         | 2462            | 1   | 18.307                       | Pass    |

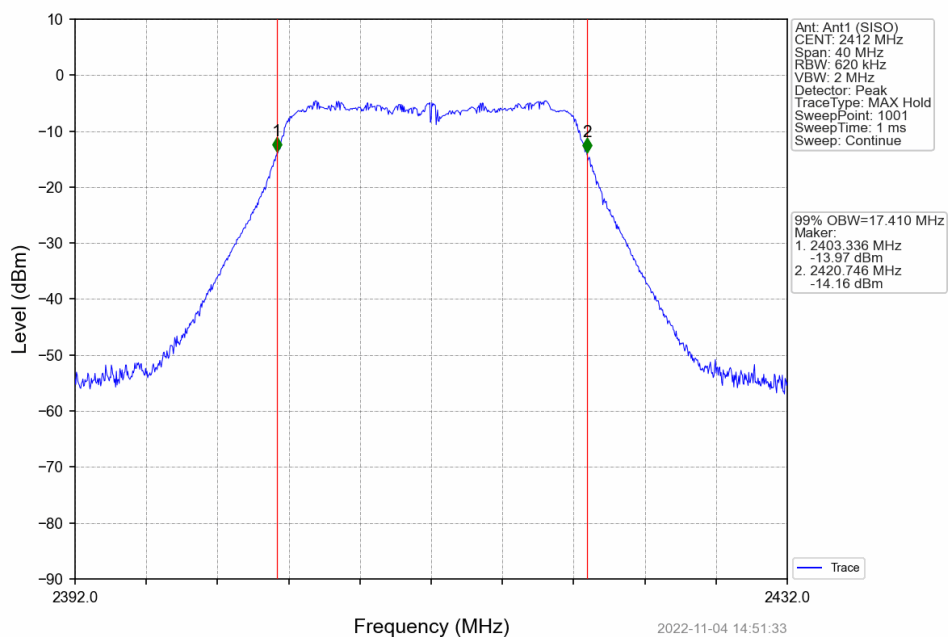
1.1.2 Test Graph



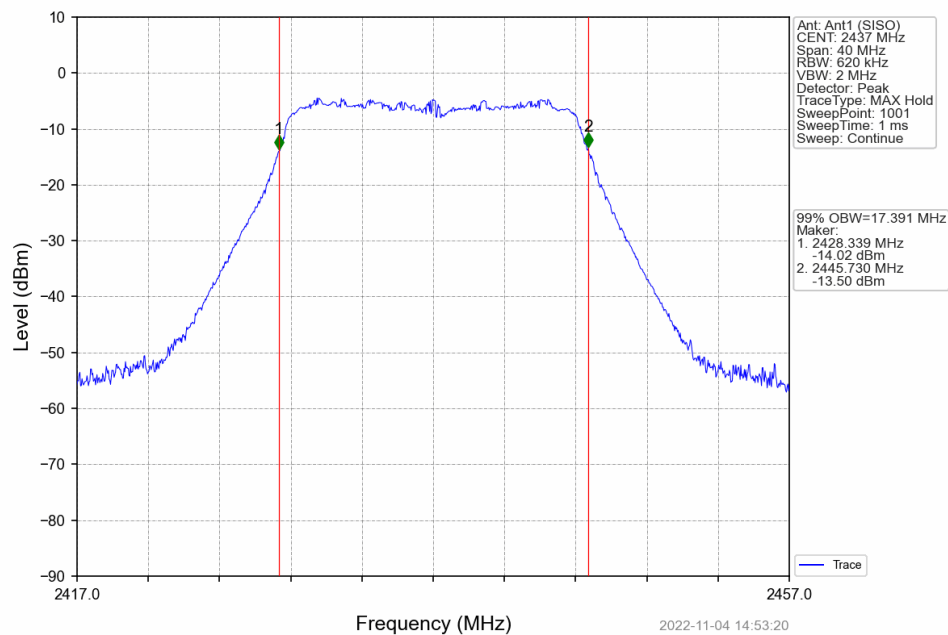
## 802.11b HCH 2462MHz Ant1 (SISO) NTN



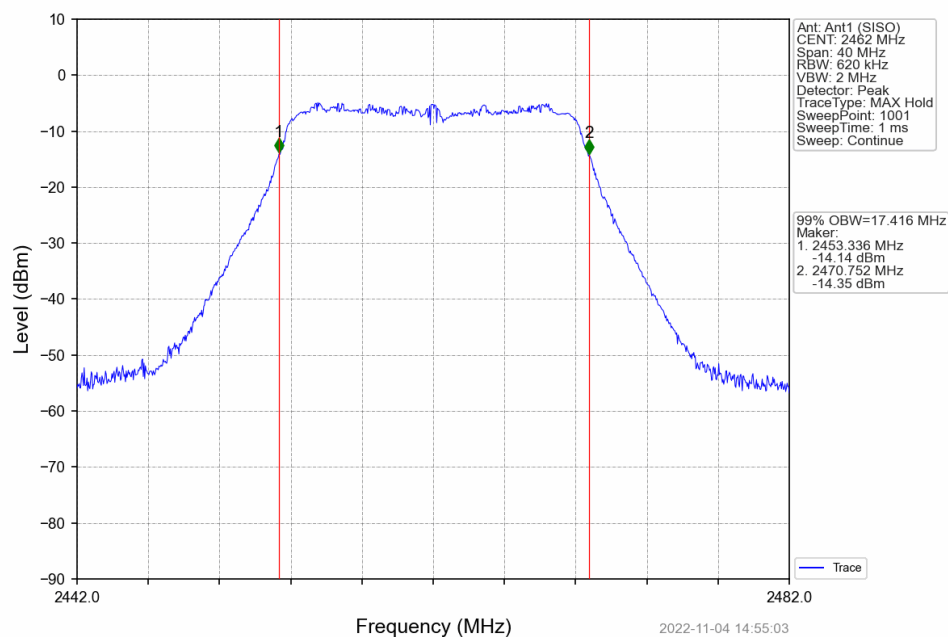
## 802.11g LCH 2412MHz Ant1 (SISO) NTN



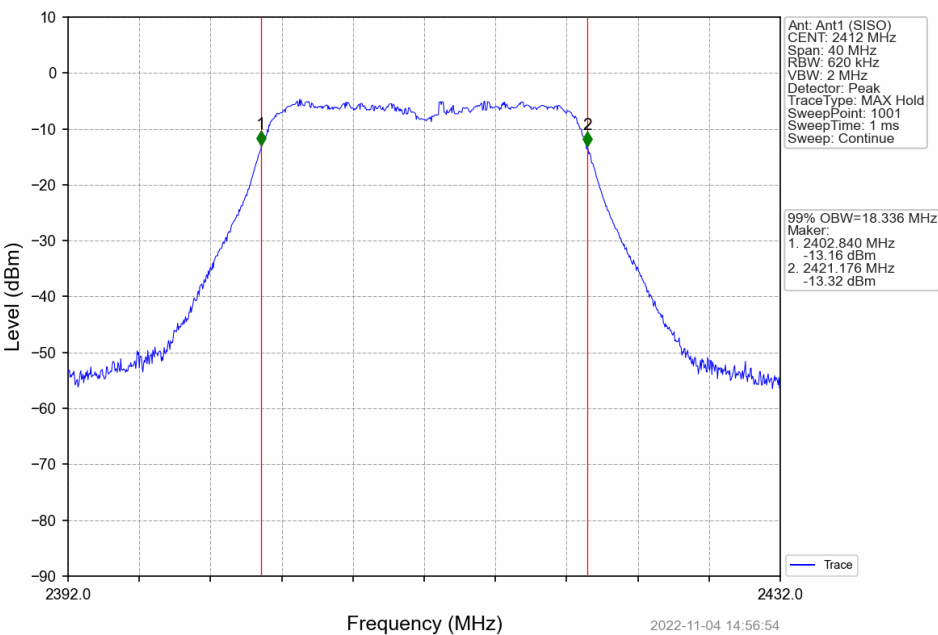
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



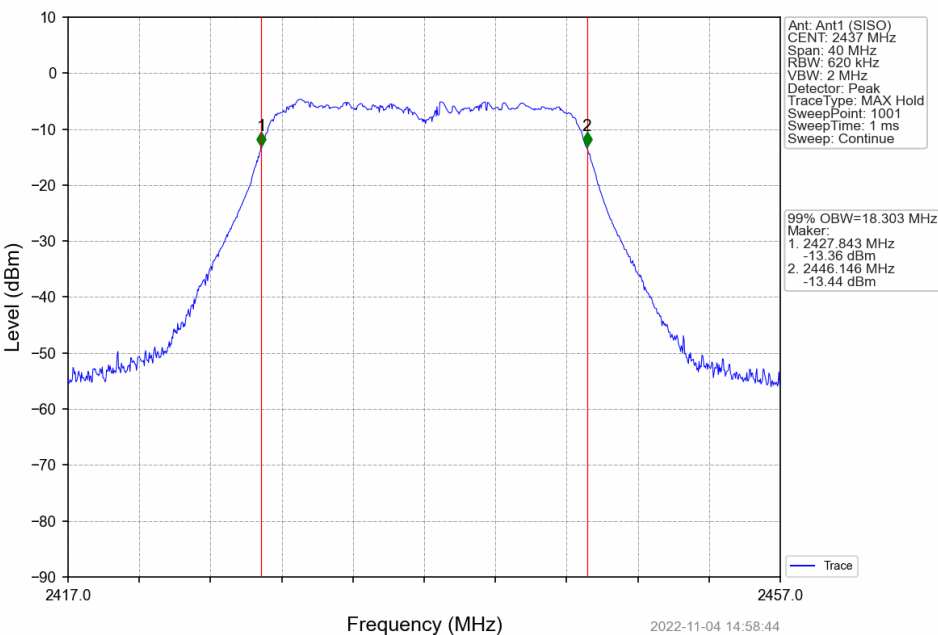
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

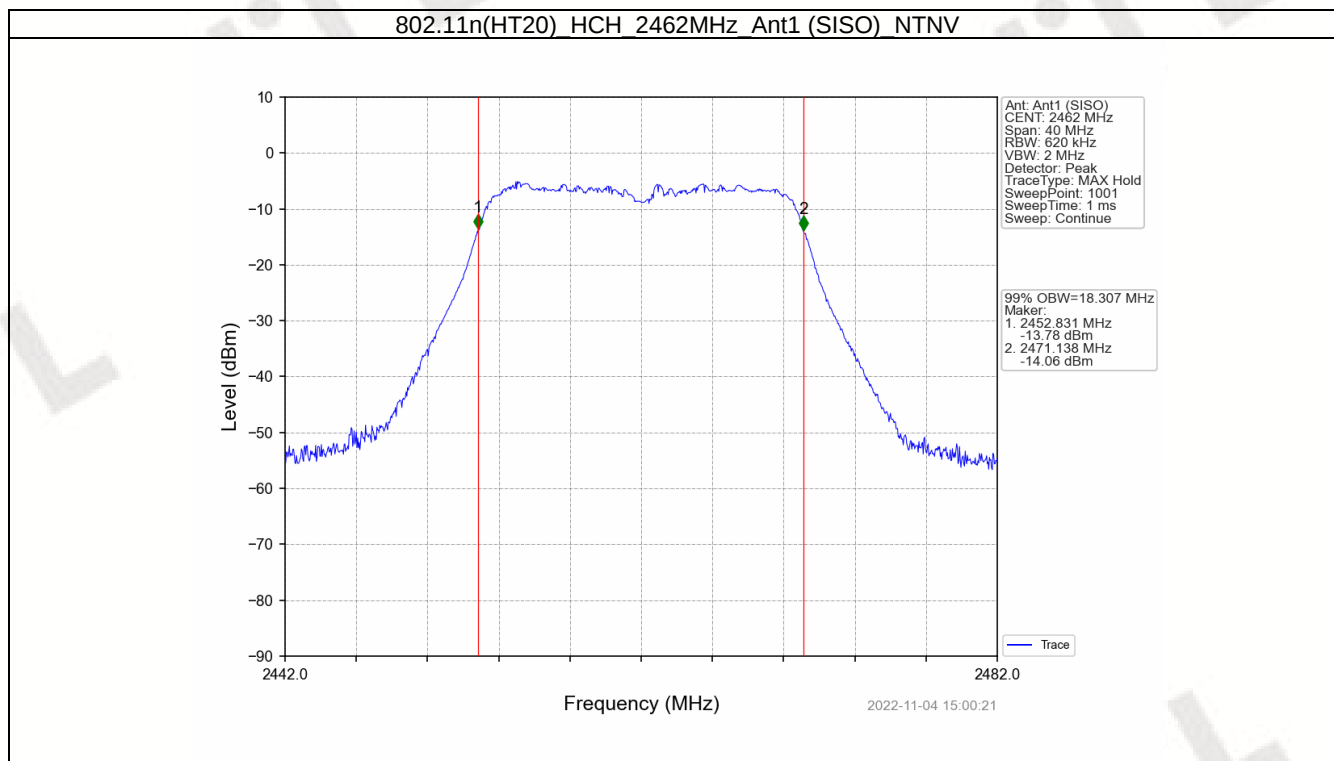


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTN



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTN



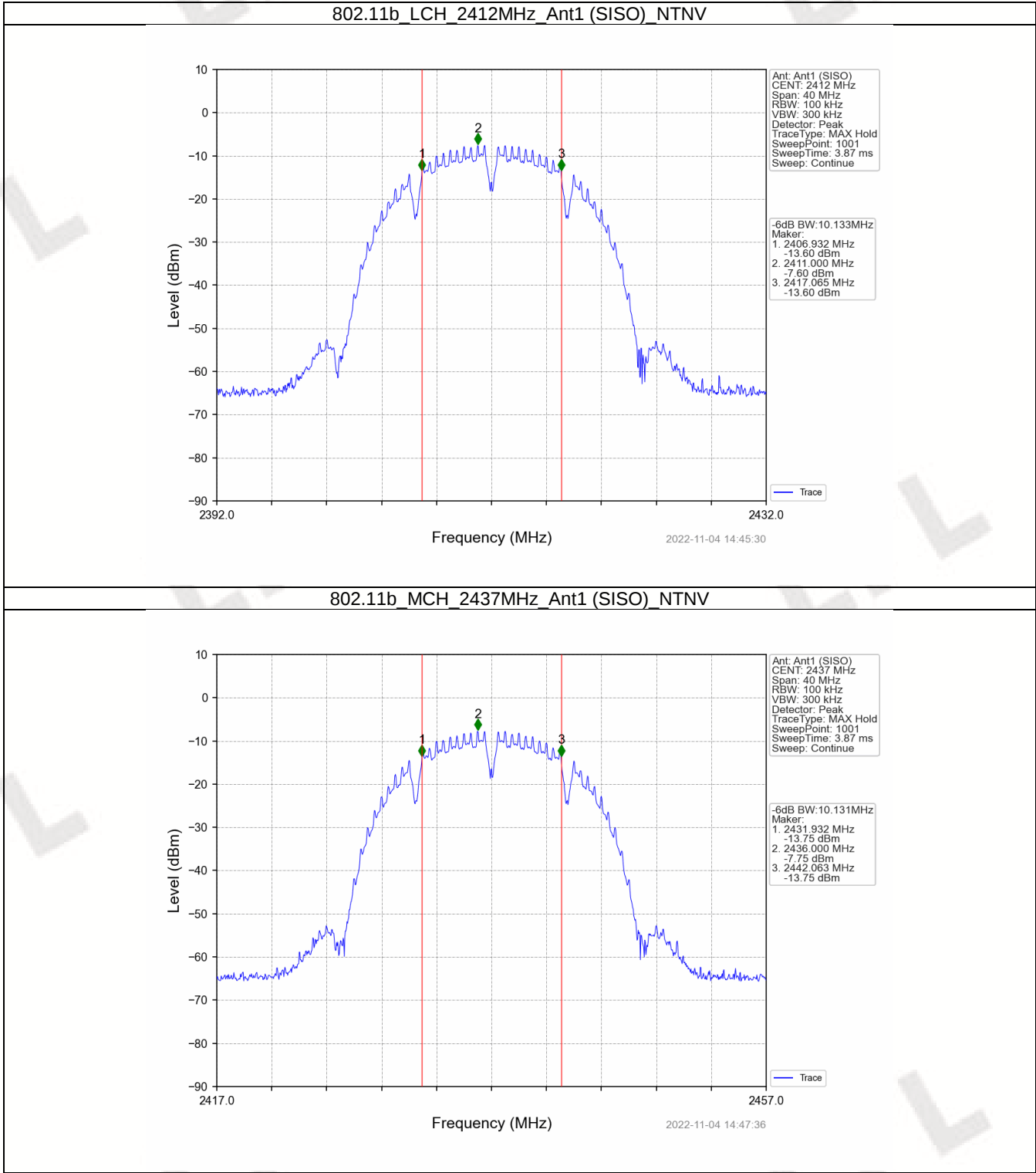


## 1.2 6dB BW

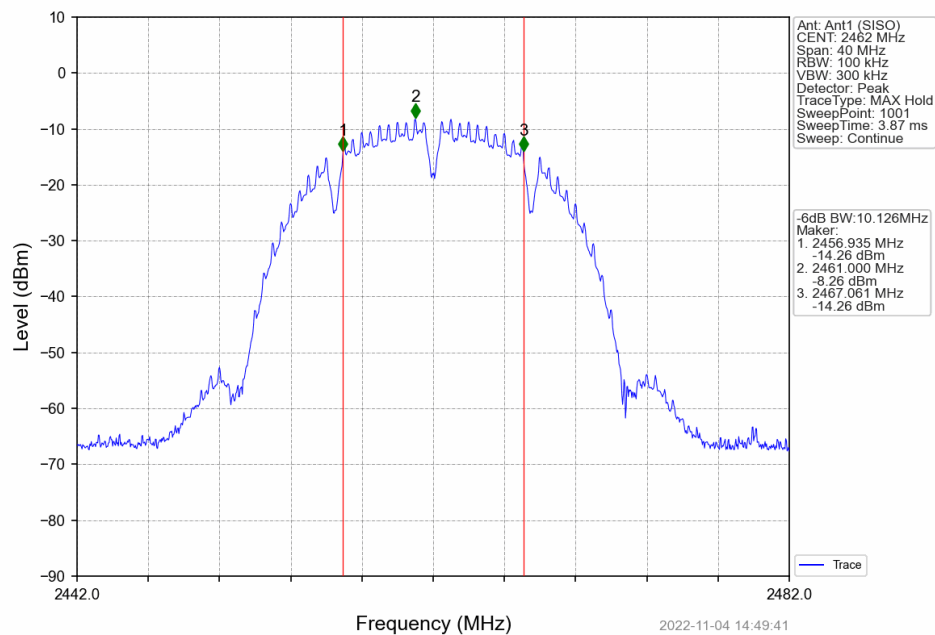
## 1.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 10.133              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 10.131              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 10.126              | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.379              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.363              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.372              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 17.109              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 17.130              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 17.133              | $\geq 0.5$ | Pass    |

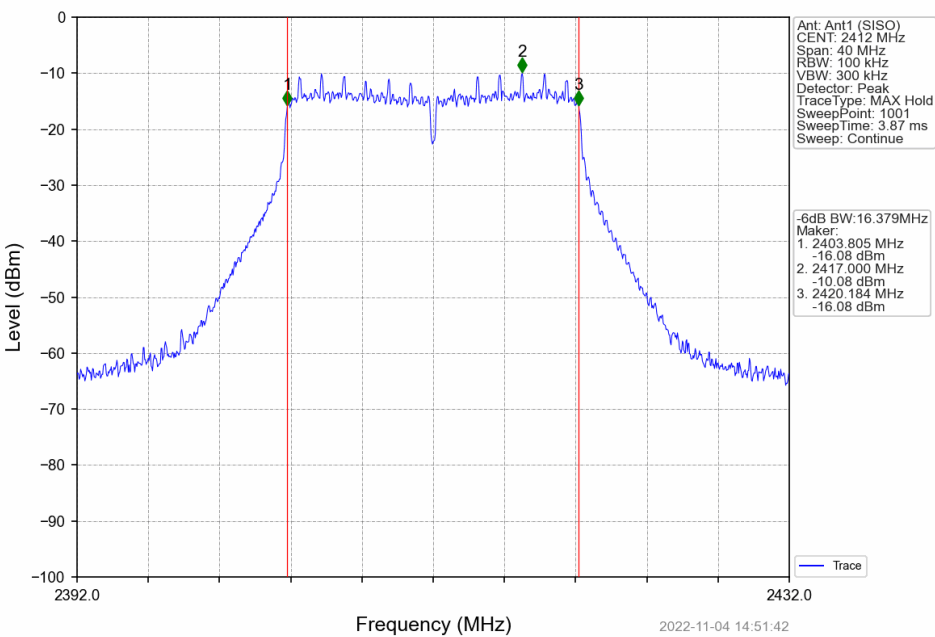
1.2.2 Test Graph



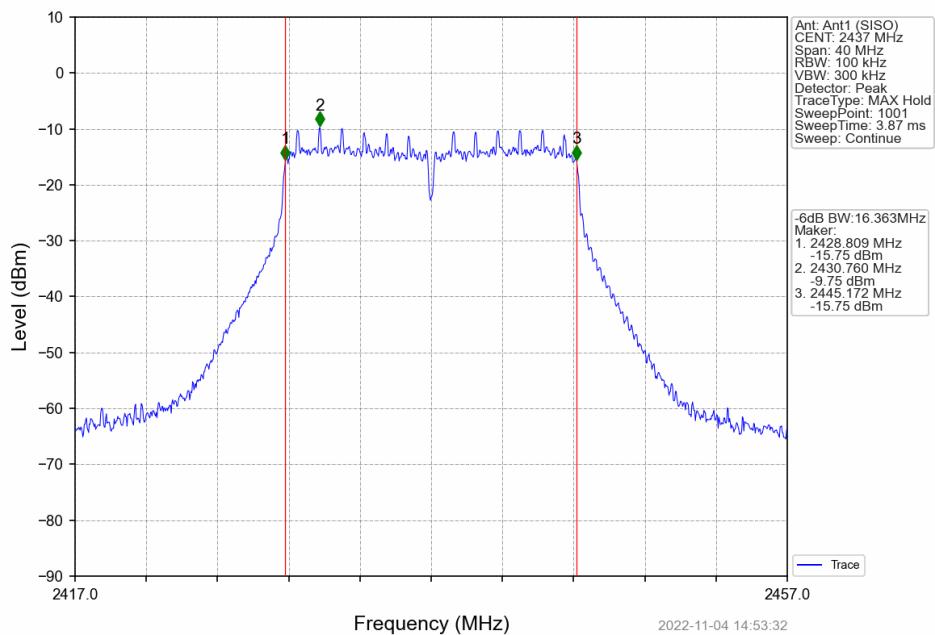
802.11b HCH 2462MHz Ant1 (SISO) NTN



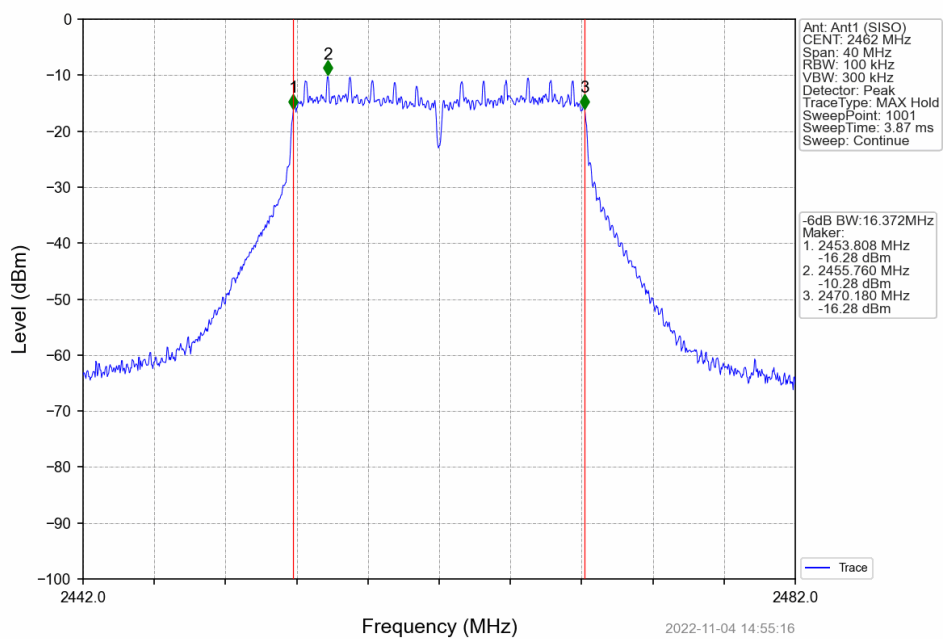
802.11g LCH 2412MHz Ant1 (SISO) NTN



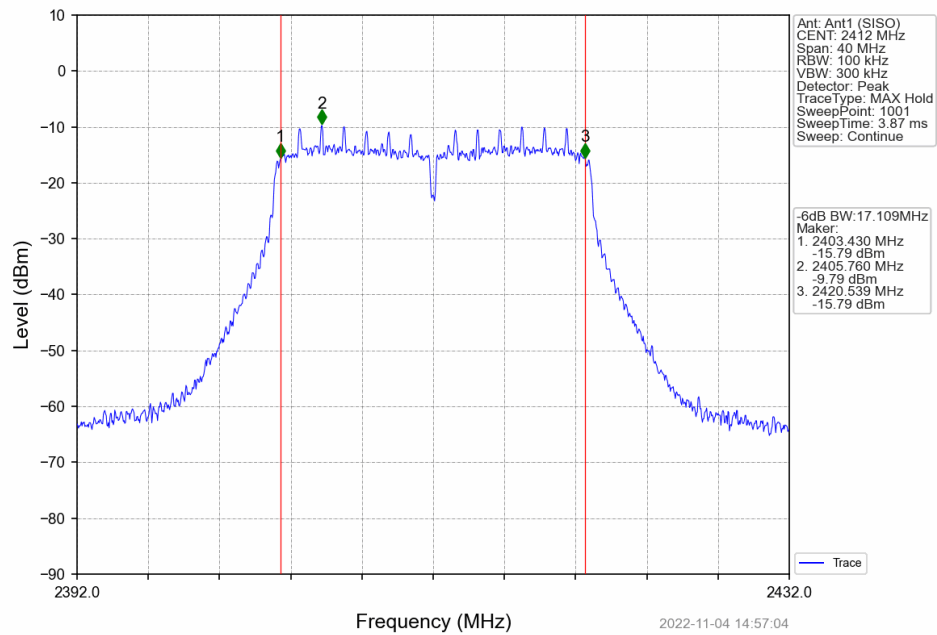
## 802.11g MCH 2437MHz Ant1 (SISO) NTN



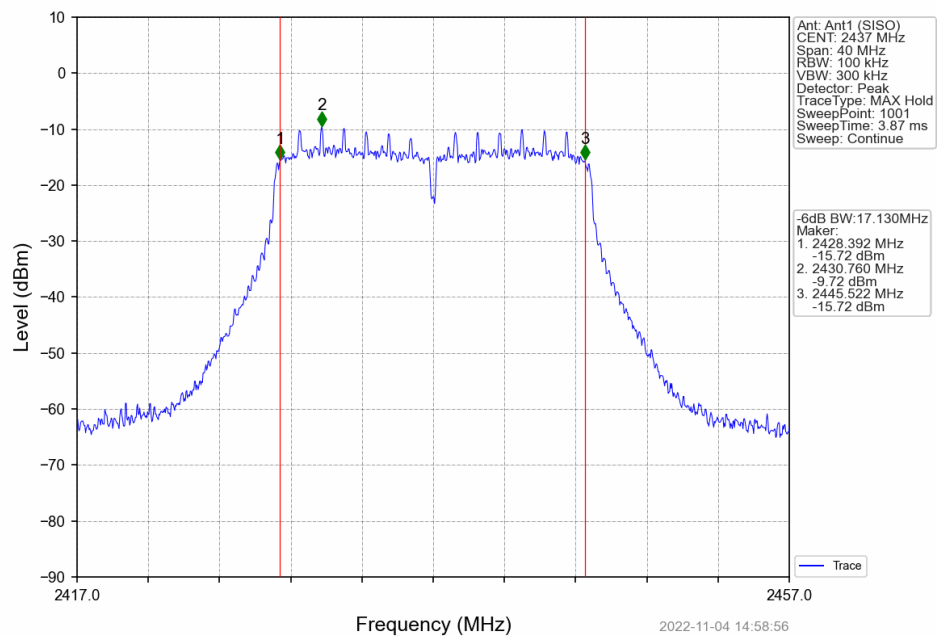
## 802.11g HCH 2462MHz Ant1 (SISO) NTN

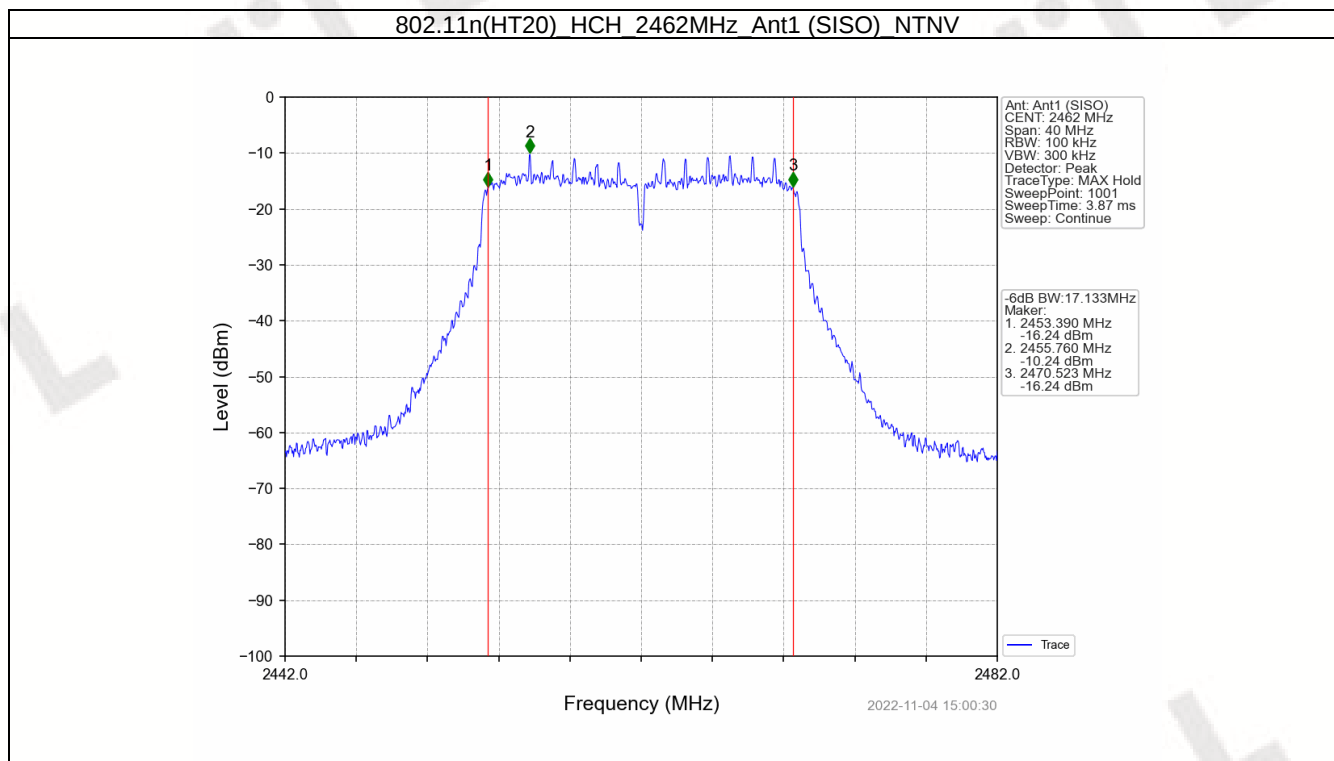


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV





## 2. Maximum Conducted Output Power

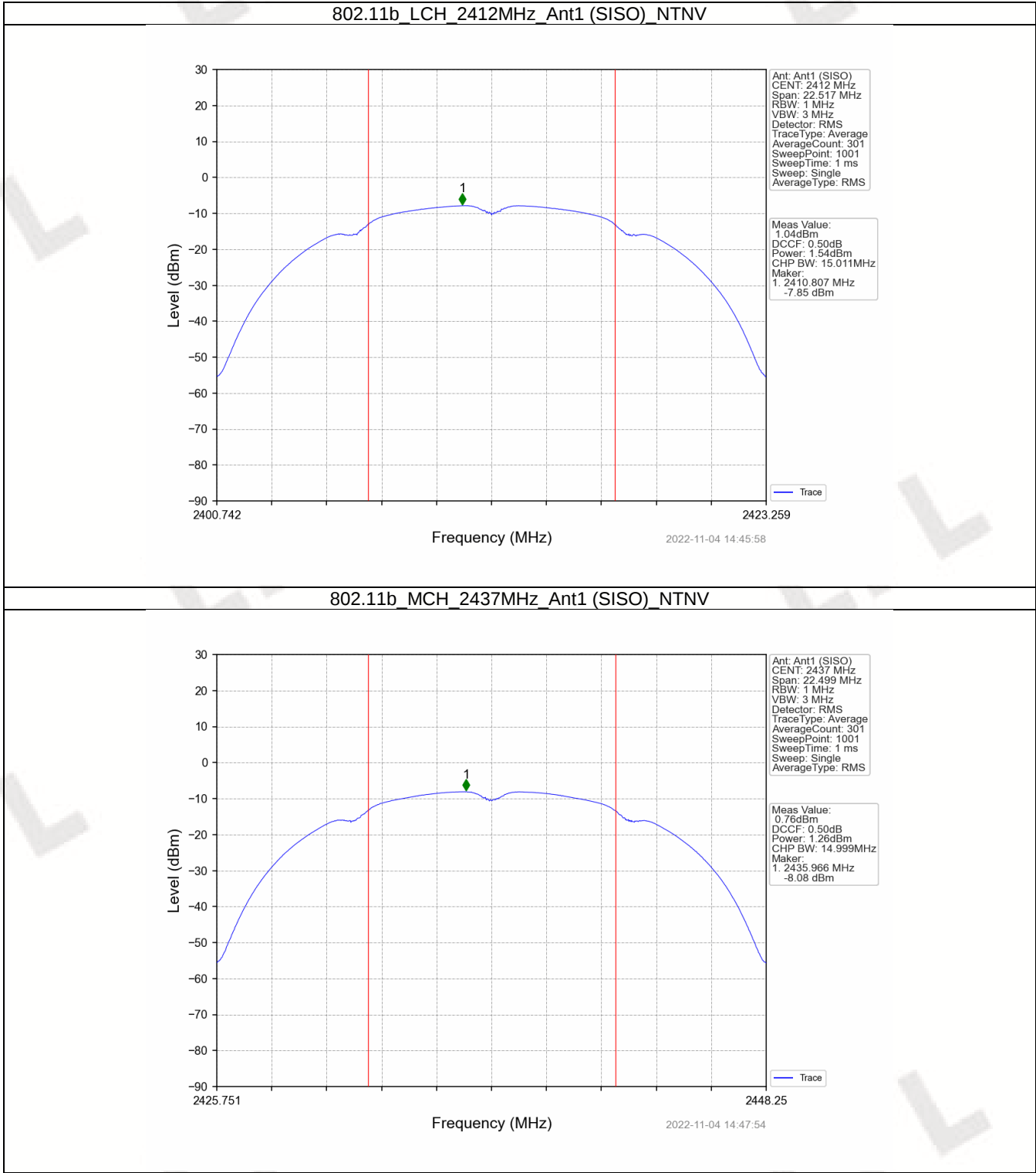
### 2.1 Power

#### 2.1.1 Test Result

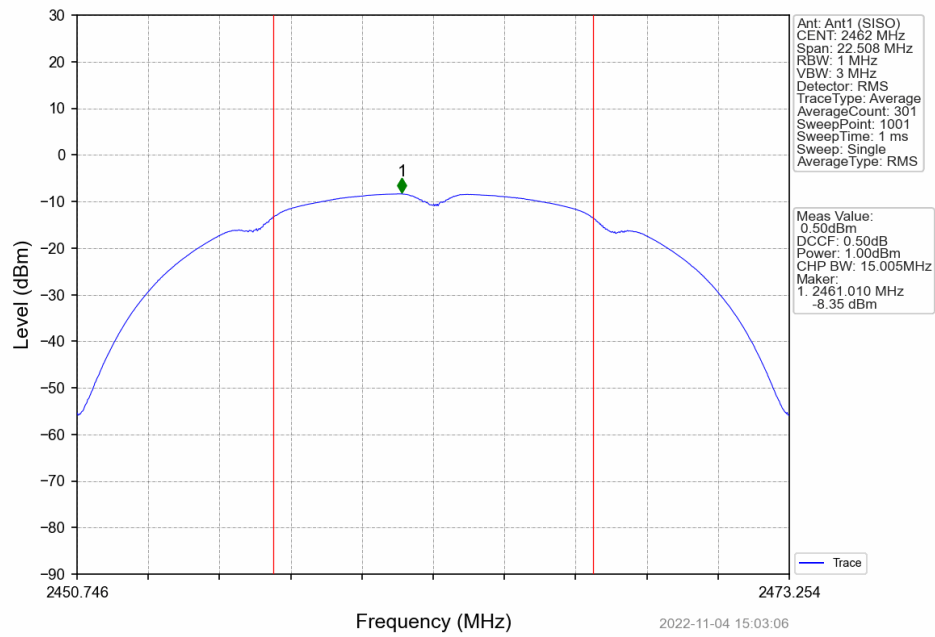
| Mode           | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |       | Verdict |
|----------------|---------|-----------------|----------------------------------------------|-------|---------|
|                |         |                 | ANT1                                         | Limit |         |
| 802.11b        | SISO    | 2412            | 1.54                                         | <=30  | Pass    |
|                |         | 2437            | 1.26                                         | <=30  | Pass    |
|                |         | 2462            | 1.00                                         | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 1.00                                         | <=30  | Pass    |
|                |         | 2437            | 0.94                                         | <=30  | Pass    |
|                |         | 2462            | 1.00                                         | <=30  | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1.01                                         | <=30  | Pass    |
|                |         | 2437            | 0.98                                         | <=30  | Pass    |
|                |         | 2462            | 0.94                                         | <=30  | Pass    |

Note1: Antenna Gain: Ant1: 5.06dBi;

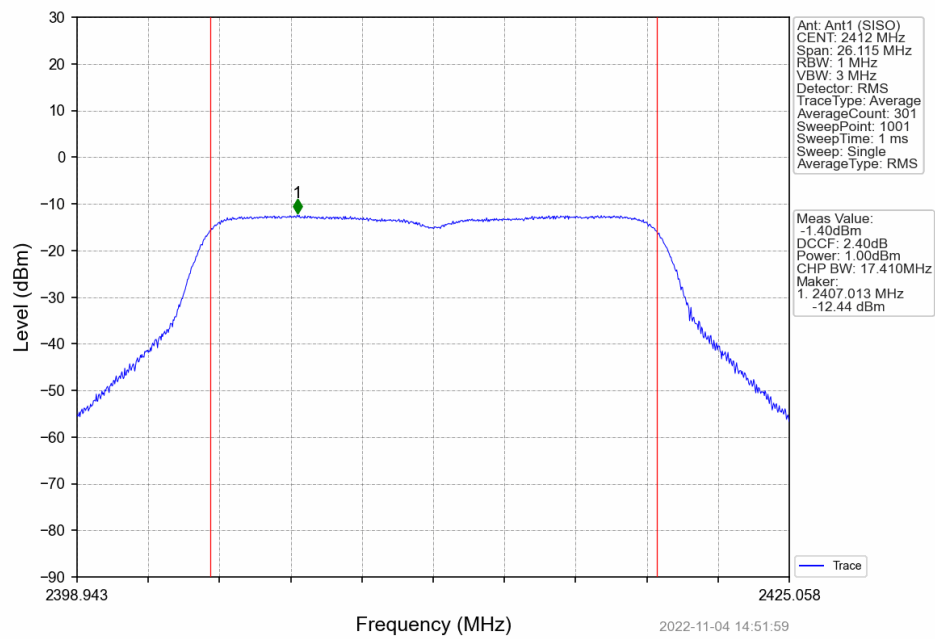
2.1.2 Test Graph



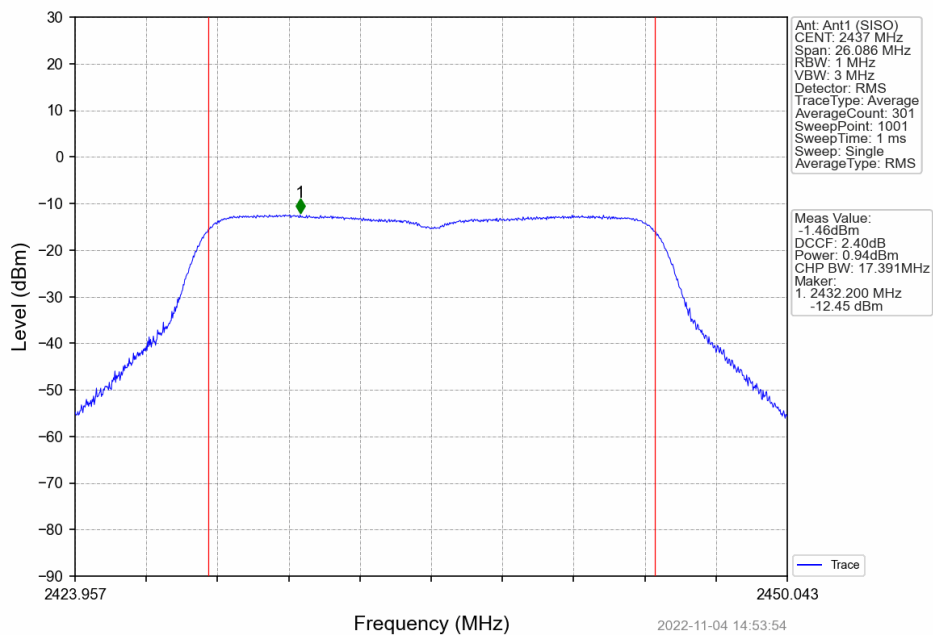
## 802.11b HCH 2462MHz Ant1 (SISO) NTN



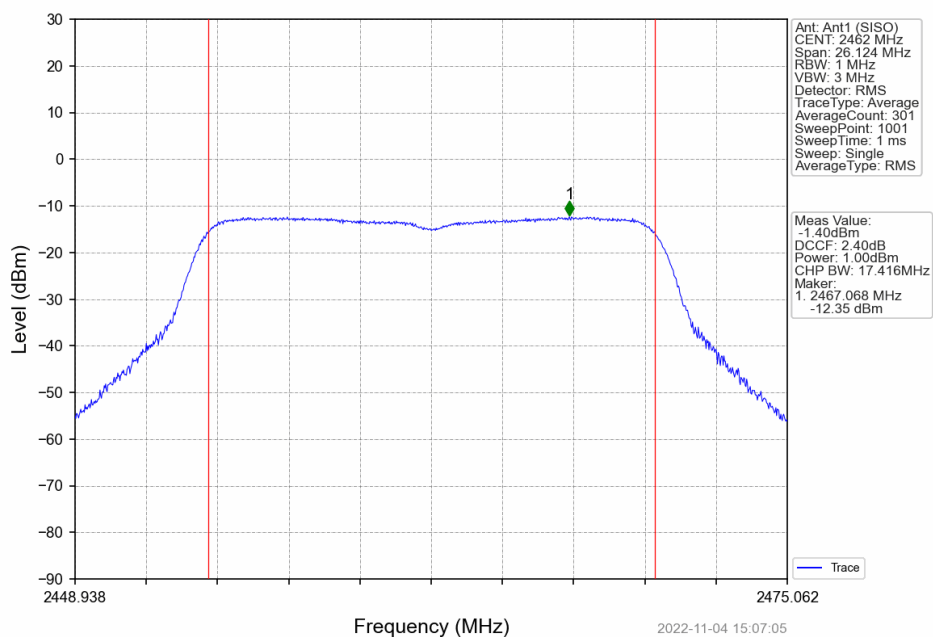
## 802.11g LCH 2412MHz Ant1 (SISO) NTN



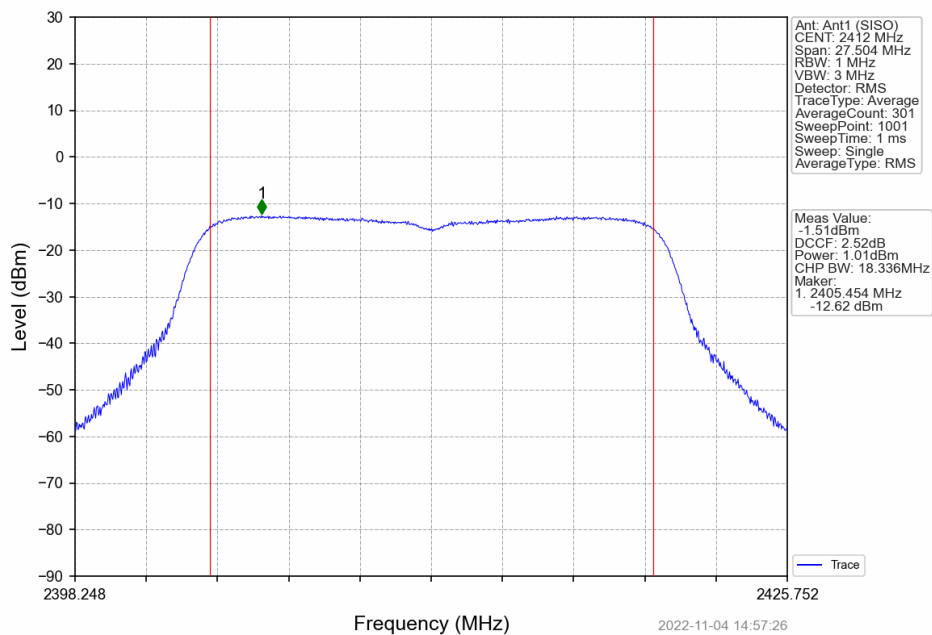
802.11g\_MCH\_2437MHz\_Ant1 (SISO) NTN



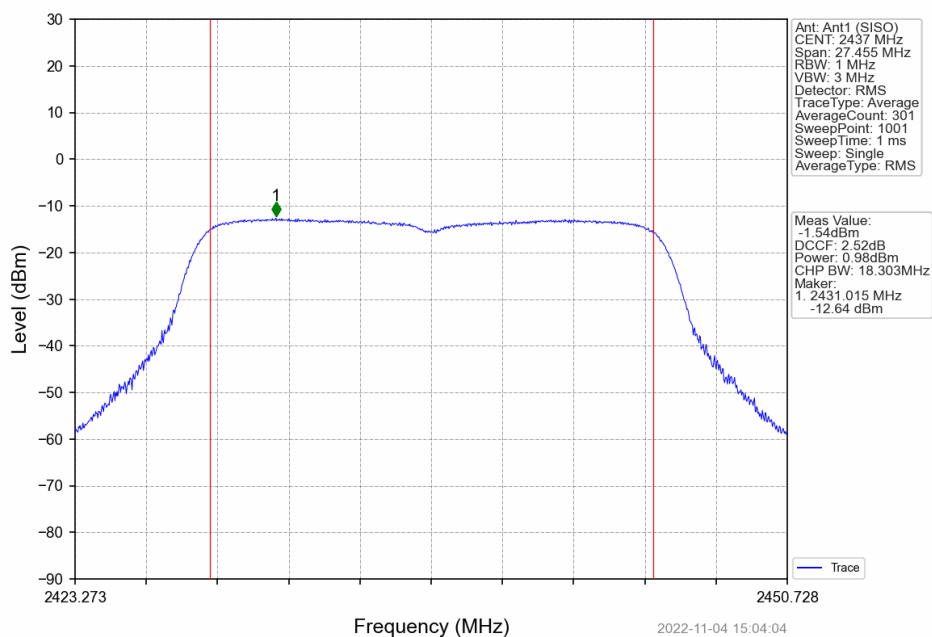
802.11g\_HCH\_2462MHz\_Ant1 (SISO) NTN

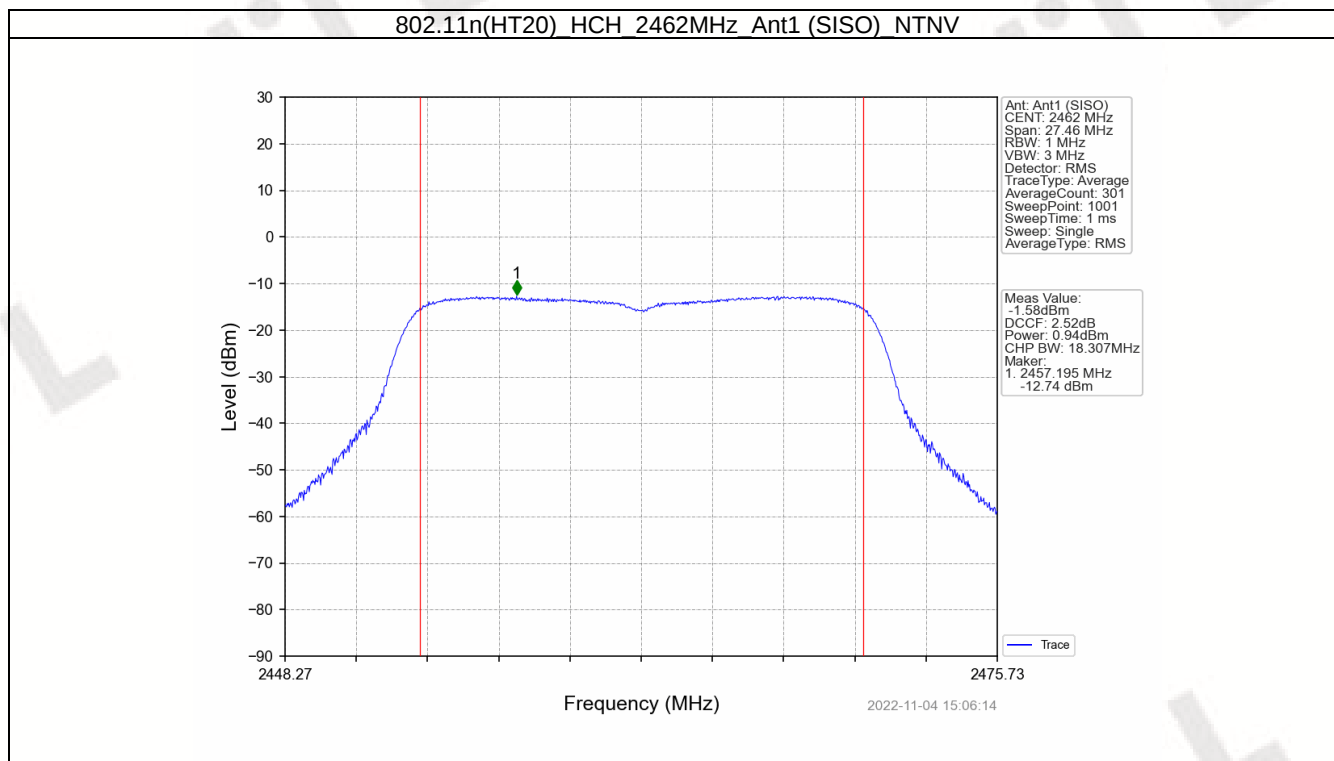


## 802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



## 802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV





### 3. Maximum Power Spectral Density

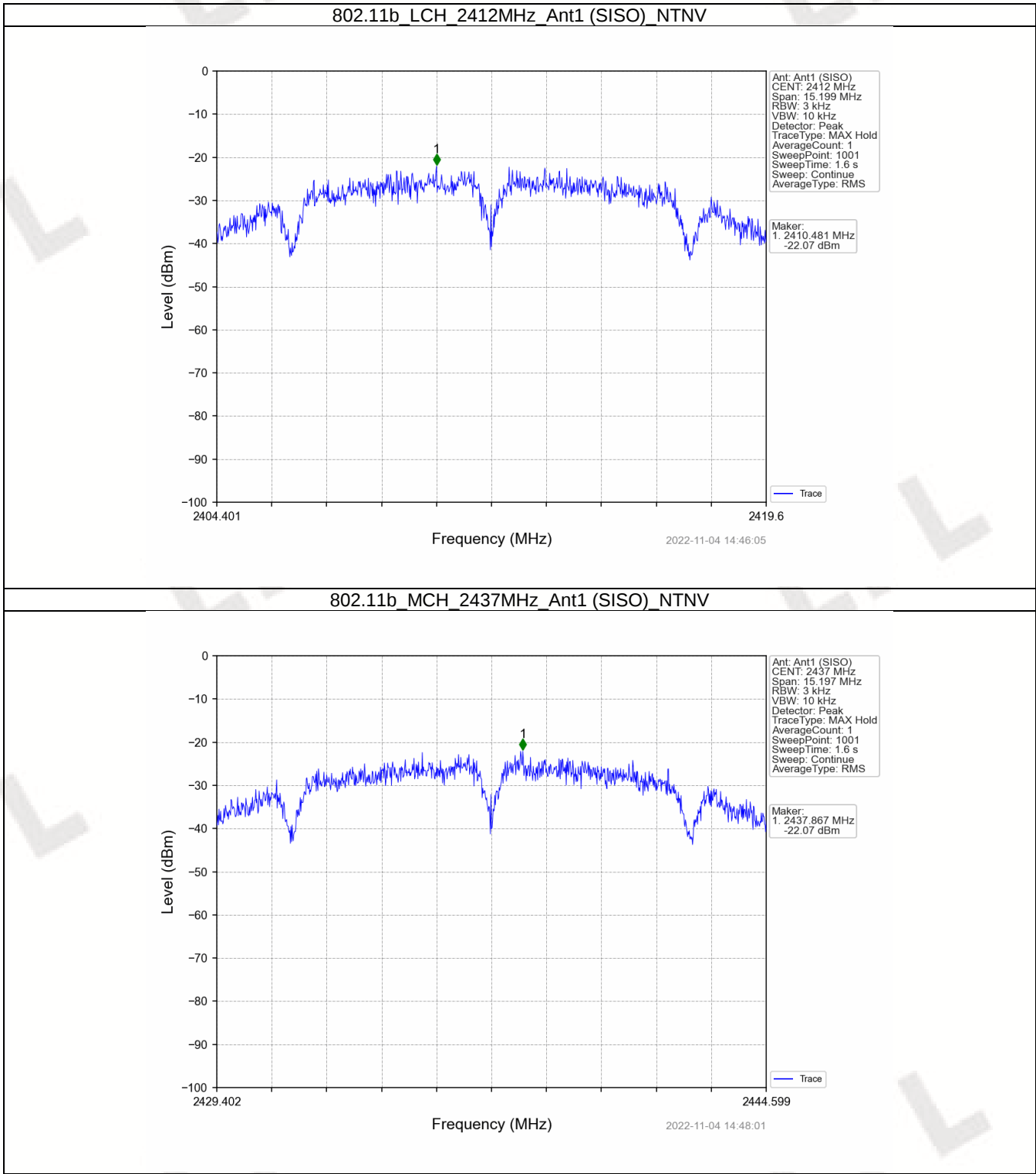
#### 3.1 PSD

##### 3.1.1 Test Result

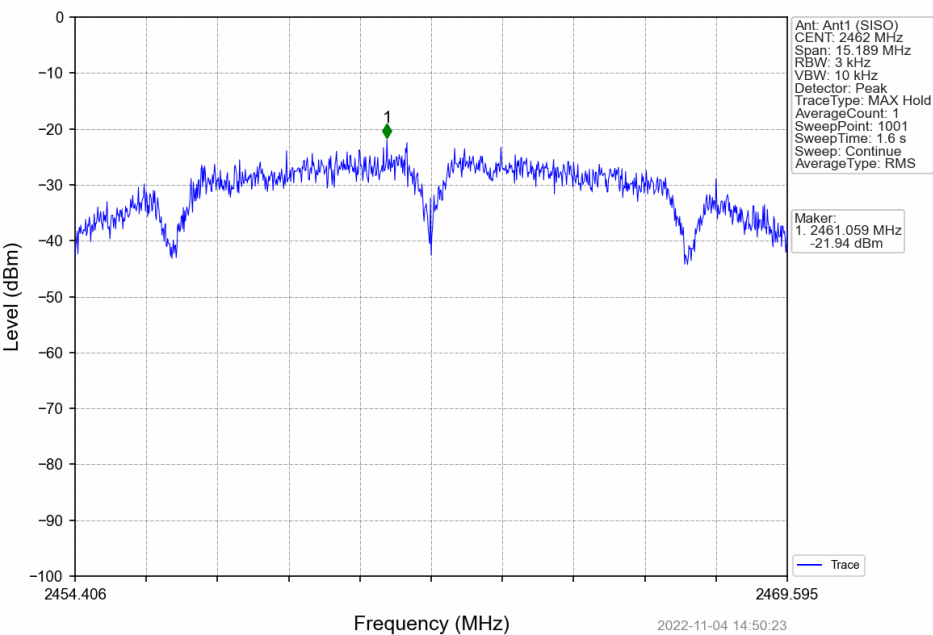
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -22.07                 | <=8   | Pass    |
|                |         | 2437            | -22.07                 | <=8   | Pass    |
|                |         | 2462            | -21.94                 | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -24.59                 | <=8   | Pass    |
|                |         | 2437            | -24.30                 | <=8   | Pass    |
|                |         | 2462            | -25.46                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -24.83                 | <=8   | Pass    |
|                |         | 2437            | -24.42                 | <=8   | Pass    |
|                |         | 2462            | -25.14                 | <=8   | Pass    |

Note1: Antenna Gain: Ant1: 5.06dBi;

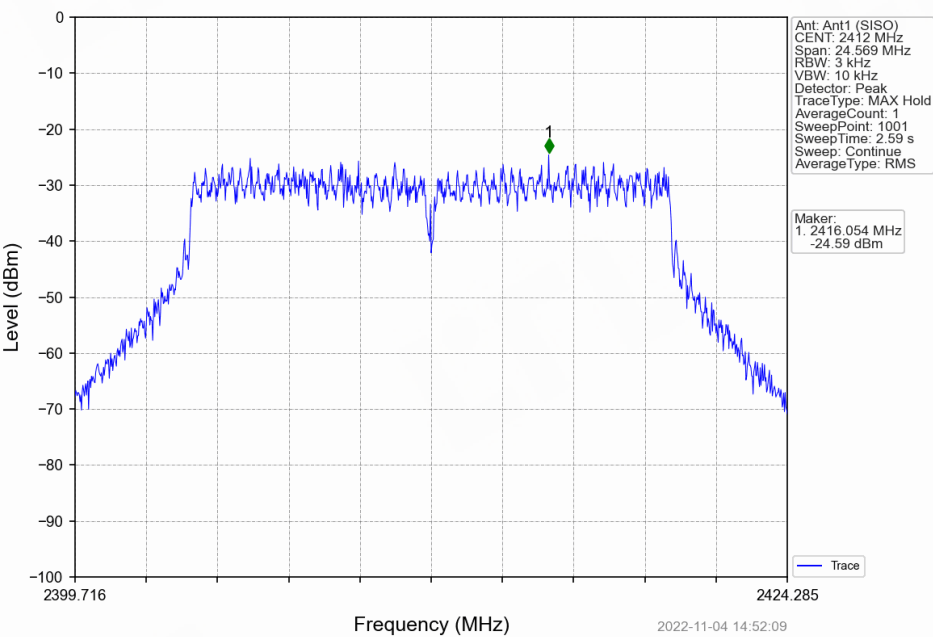
3.1.2 Test Graph



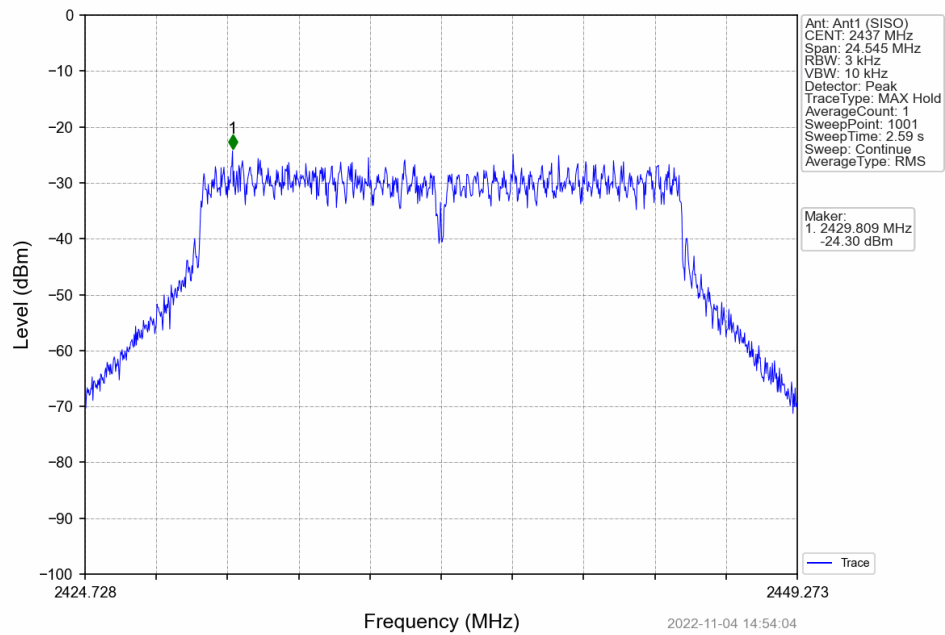
802.11b HCH 2462MHz Ant1 (SISO) NTN



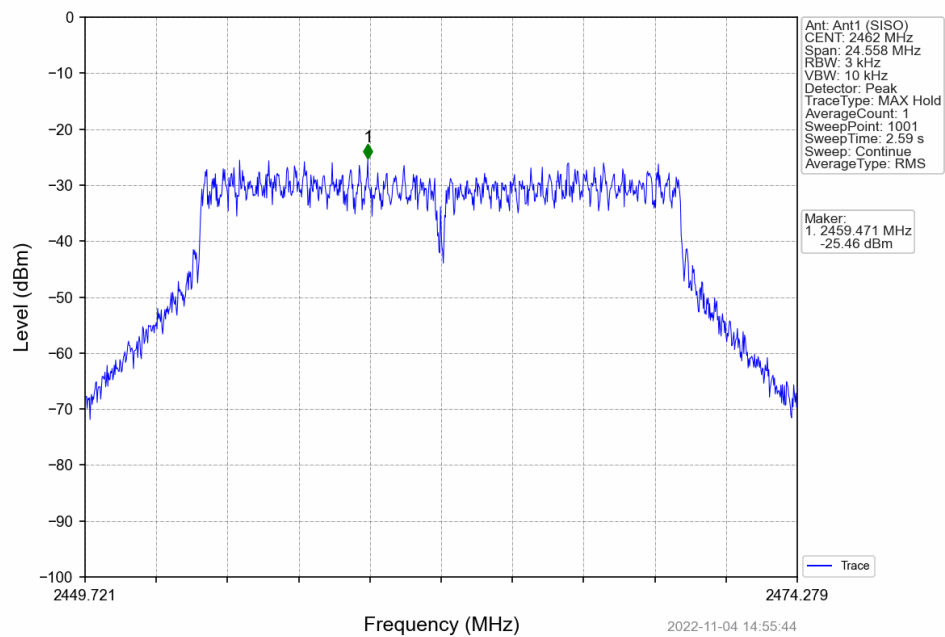
802.11g LCH 2412MHz Ant1 (SISO) NTN



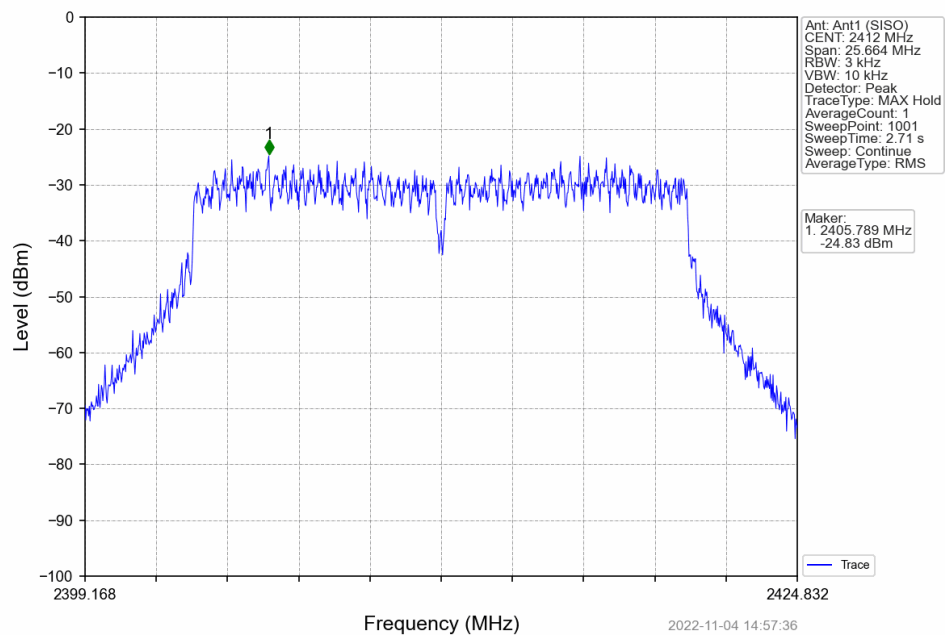
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



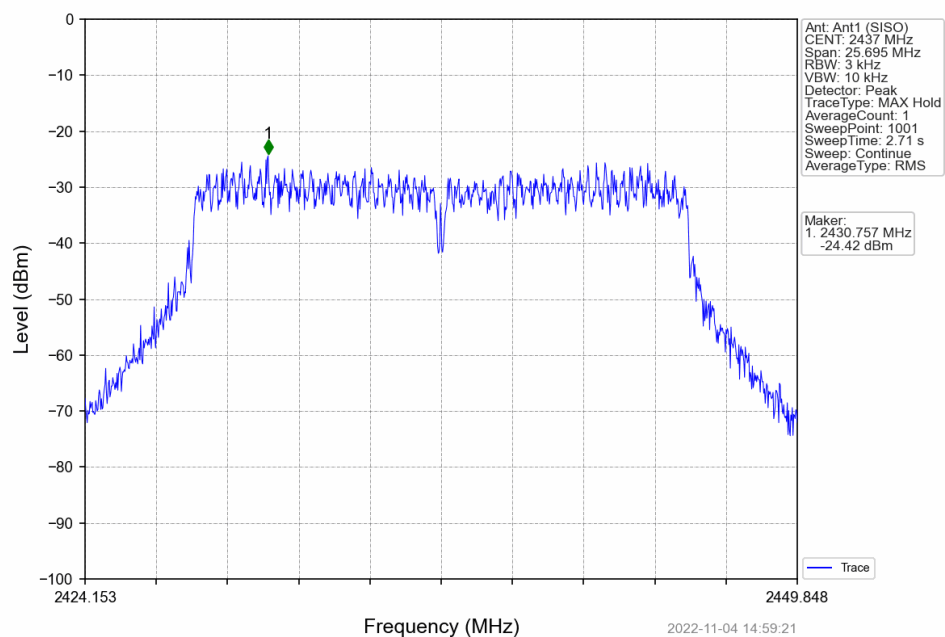
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

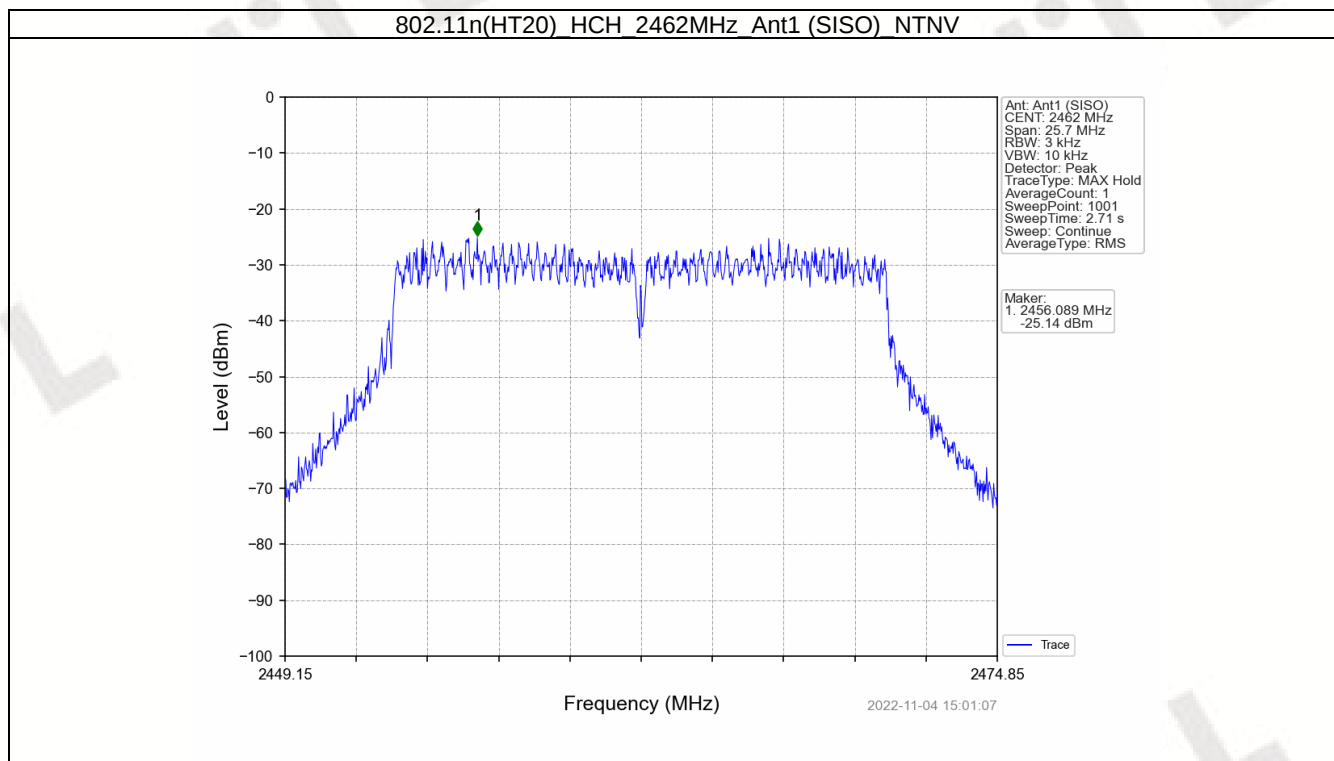


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV





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

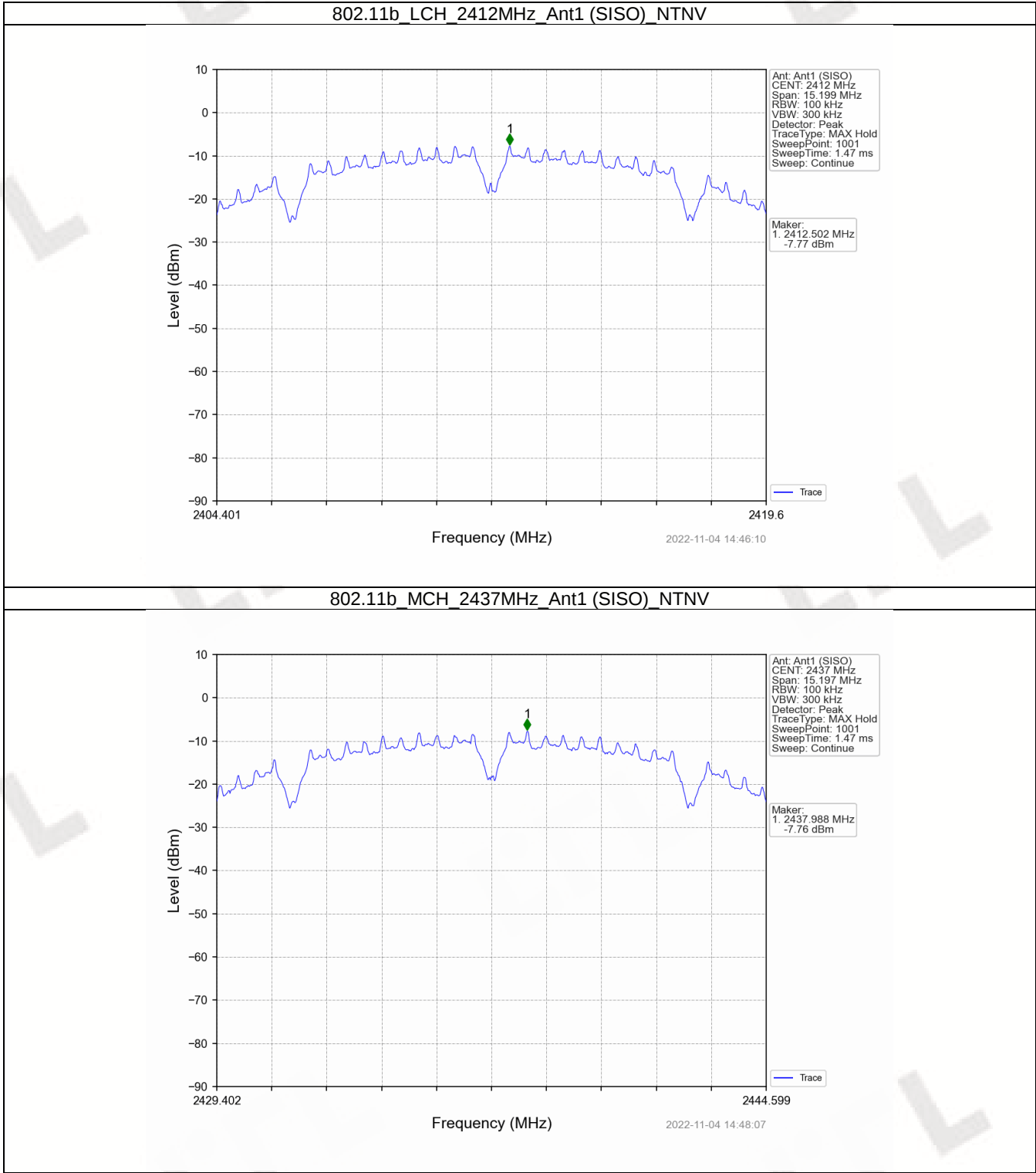
### 4.1 Ref

#### 4.1.1 Test Result

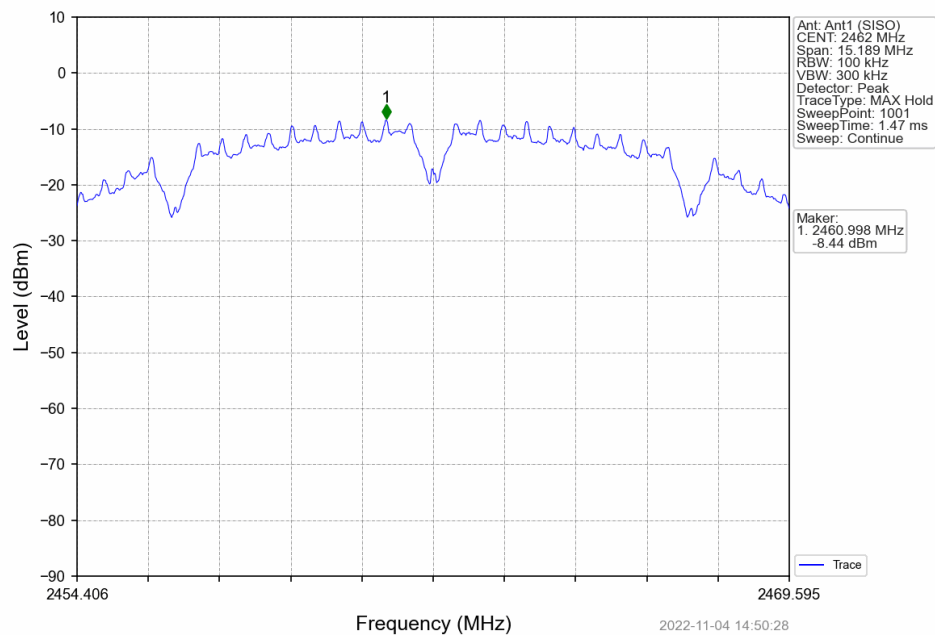
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | -7.77                    |
|                |         | 2437            | 1   | -7.76                    |
|                |         | 2462            | 1   | -8.44                    |
| 802.11g        | SISO    | 2412            | 1   | -9.90                    |
|                |         | 2437            | 1   | -9.89                    |
|                |         | 2462            | 1   | -10.23                   |
| 802.11n (HT20) | SISO    | 2412            | 1   | -9.97                    |
|                |         | 2437            | 1   | -9.91                    |
|                |         | 2462            | 1   | -10.28                   |

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.

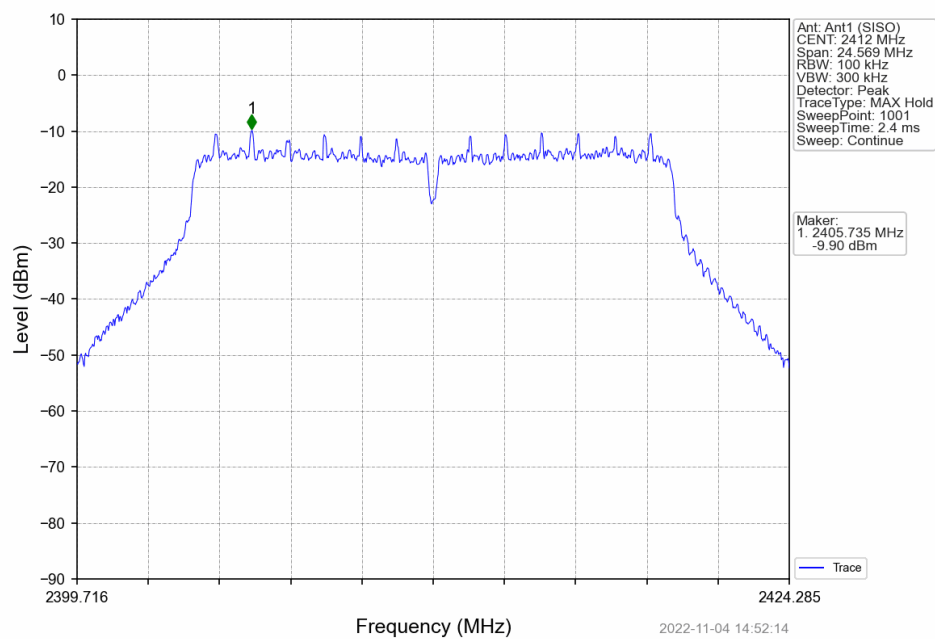
4.1.2 Test Graph



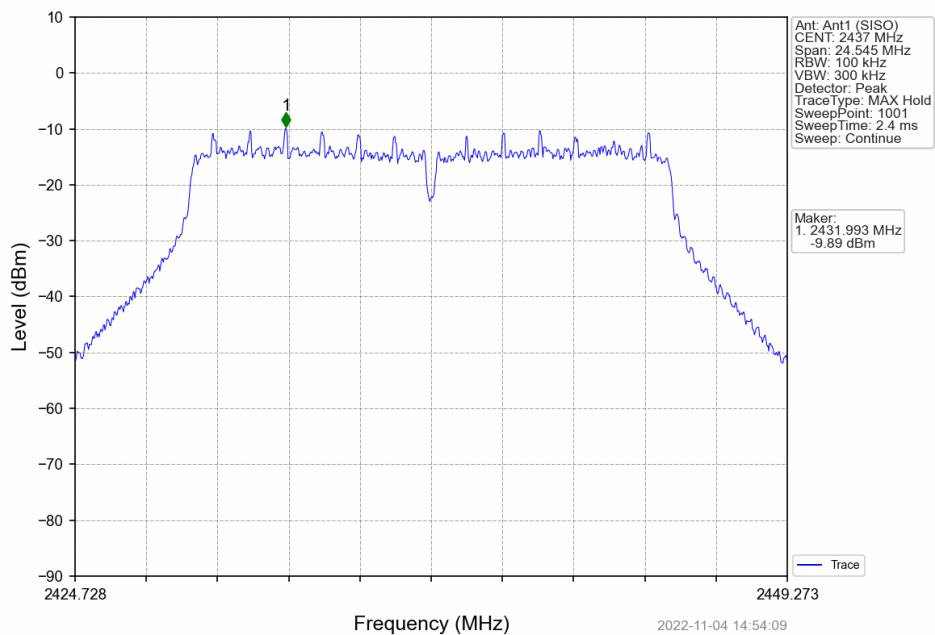
802.11b HCH 2462MHz Ant1 (SISO) NTN



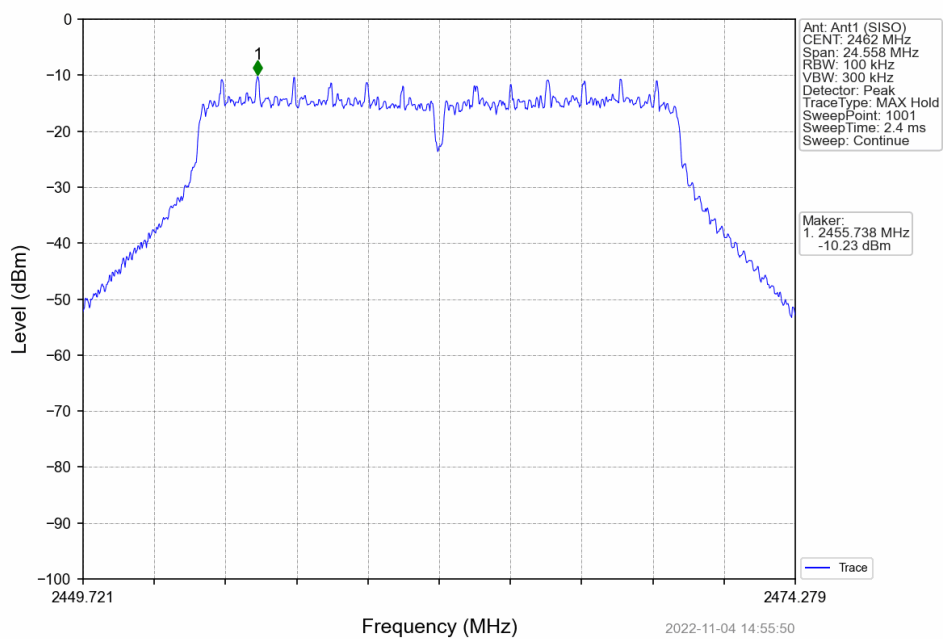
802.11g LCH 2412MHz Ant1 (SISO) NTN



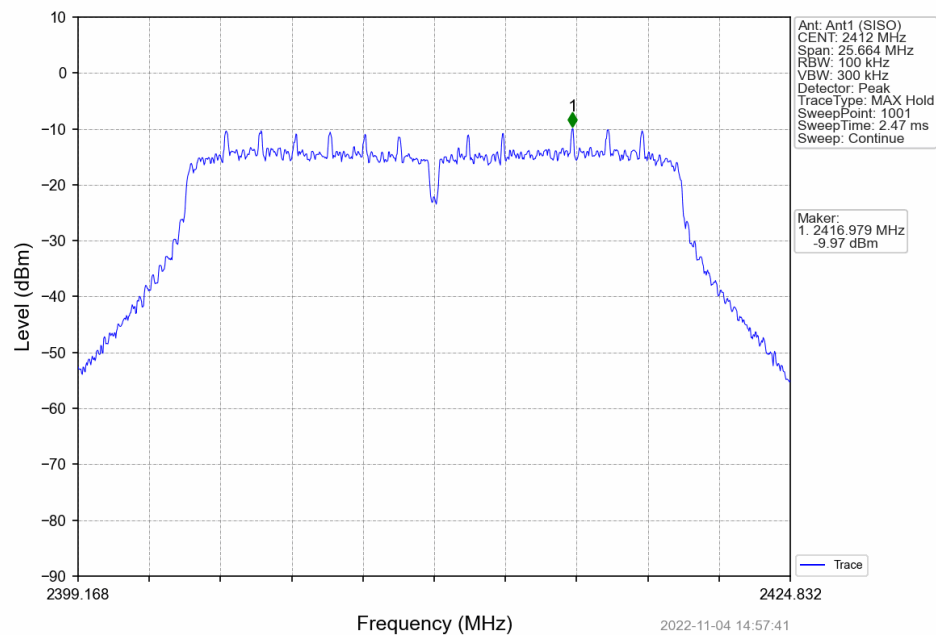
802.11g MCH 2437MHz Ant1 (SISO) NTN



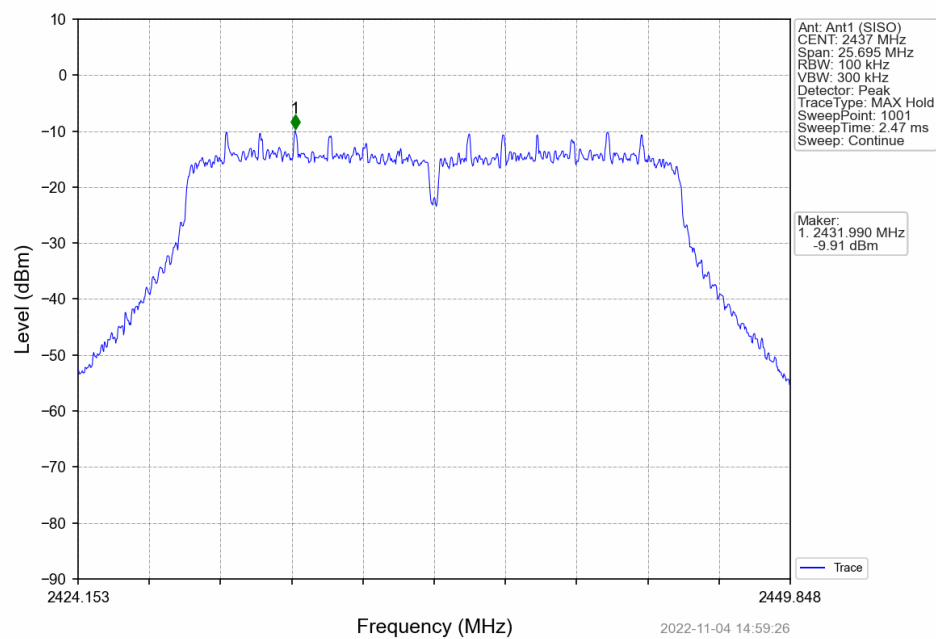
802.11g HCH 2462MHz Ant1 (SISO) NTN

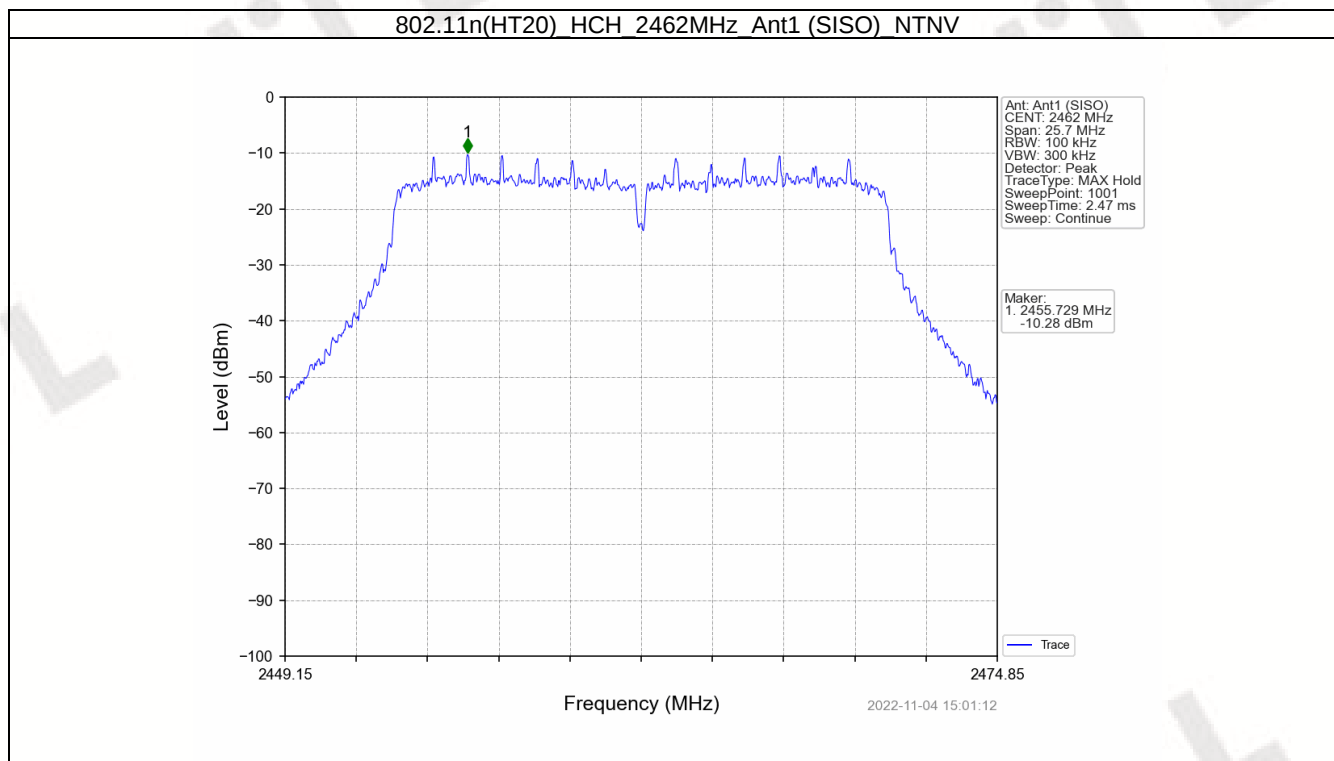


802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV





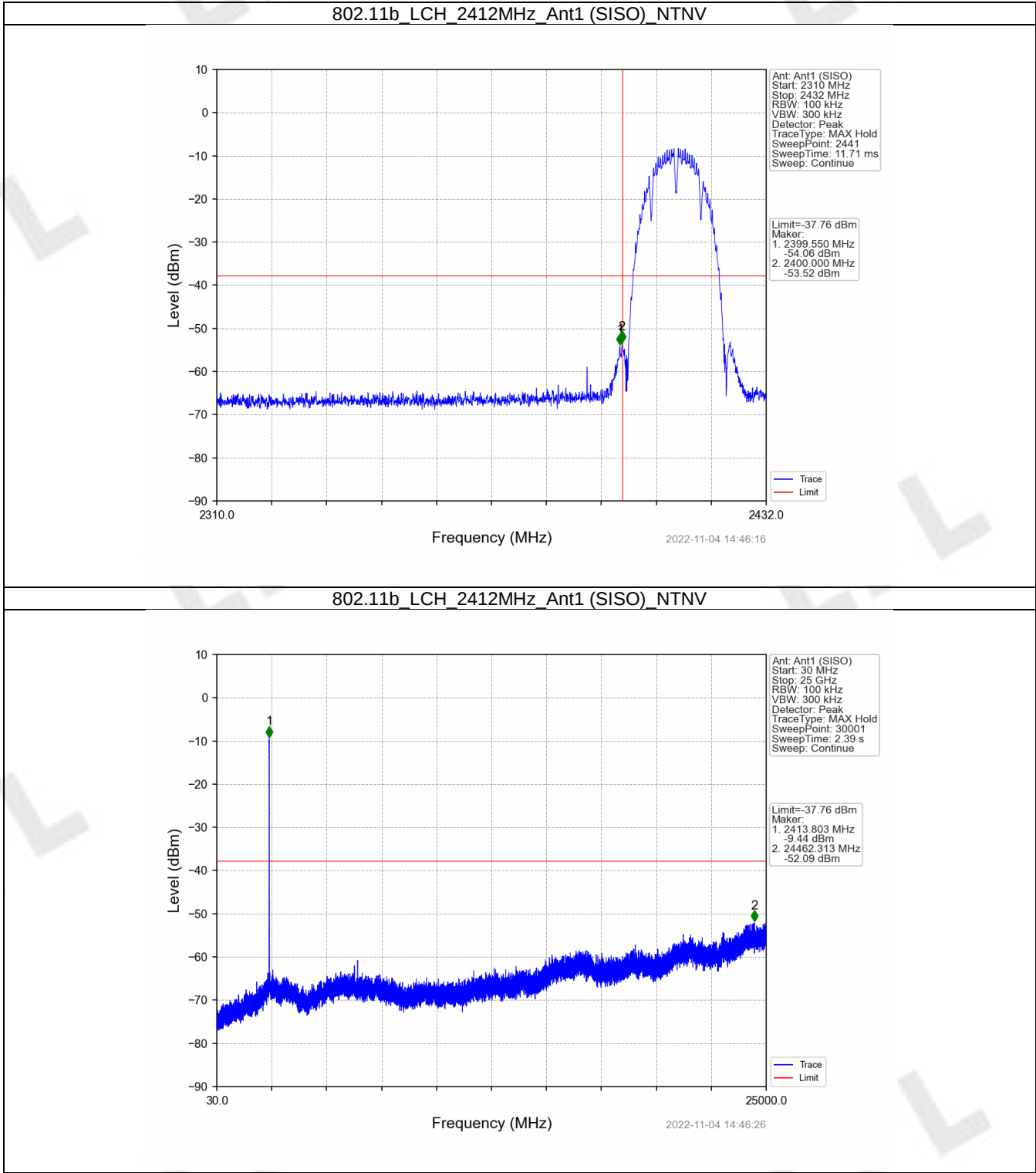
## 4.2 CSE

## 4.2.1 Test Result

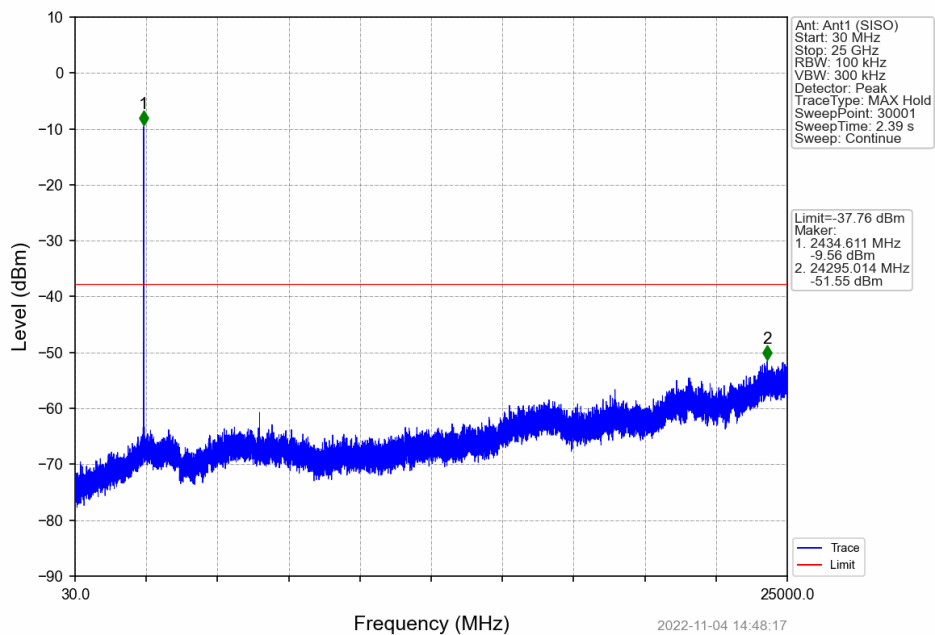
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | -7.76                    | -37.76      | Pass    |
|                |         | 2437            | 1   | -7.76                    | -37.76      | Pass    |
|                |         | 2462            | 1   | -7.76                    | -37.76      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -9.89                    | -39.89      | Pass    |
|                |         | 2437            | 1   | -9.89                    | -39.89      | Pass    |
|                |         | 2462            | 1   | -9.89                    | -39.89      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -9.91                    | -39.91      | Pass    |
|                |         | 2437            | 1   | -9.91                    | -39.91      | Pass    |
|                |         | 2462            | 1   | -9.91                    | -39.91      | 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.

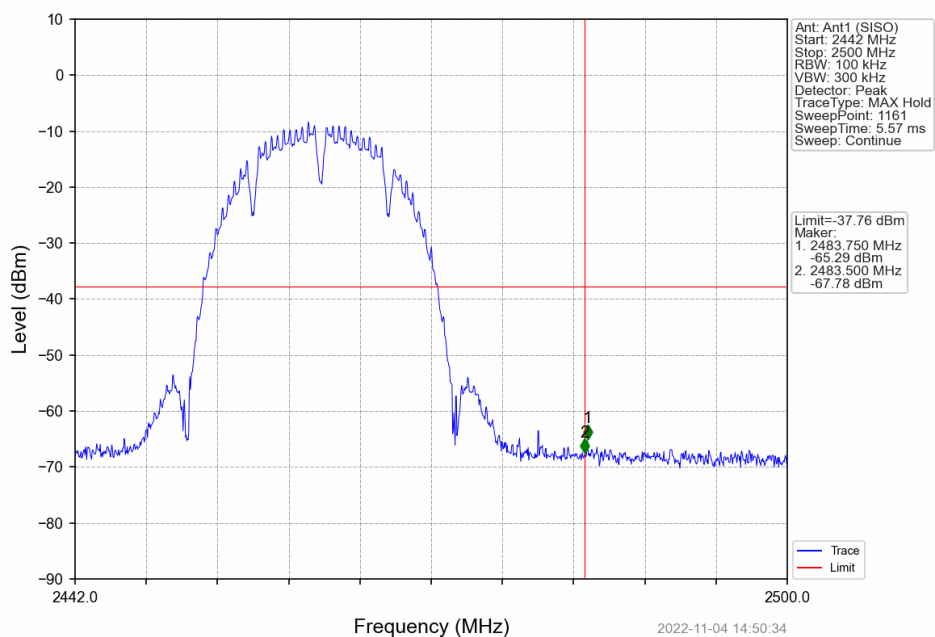
4.2.2 Test Graph



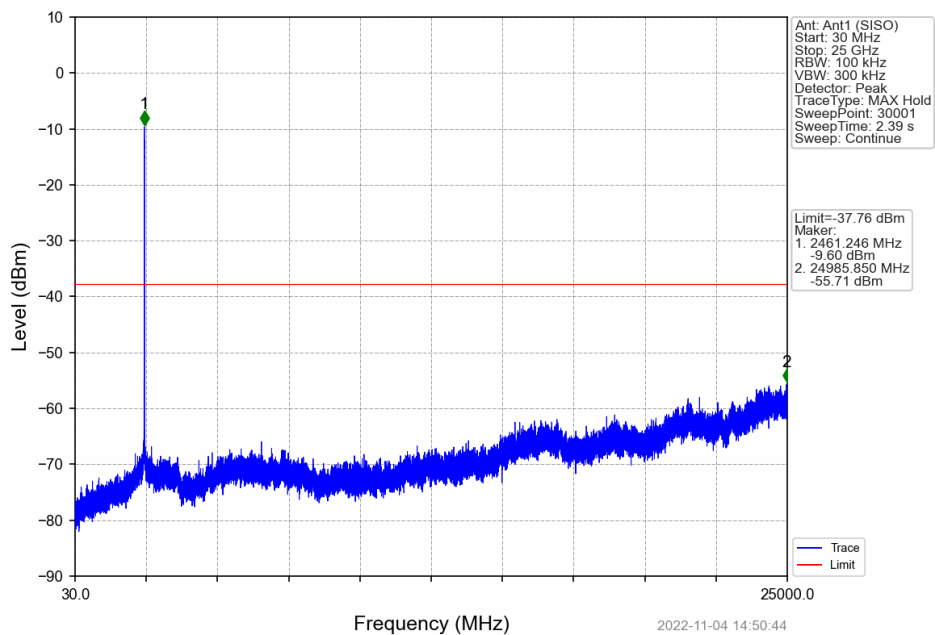
## 802.11b MCH 2437MHz Ant1 (SISO) NTN



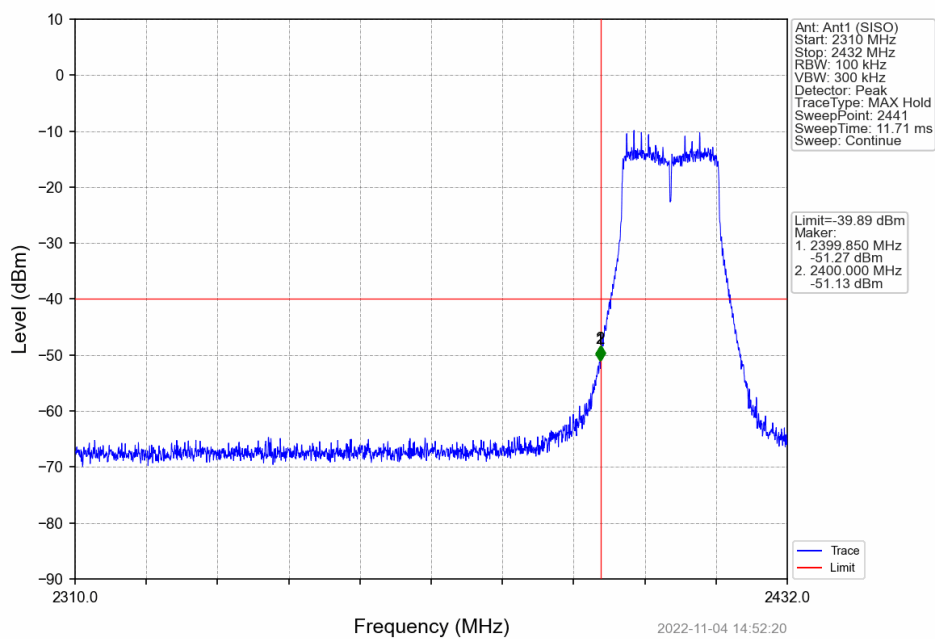
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO) NTN



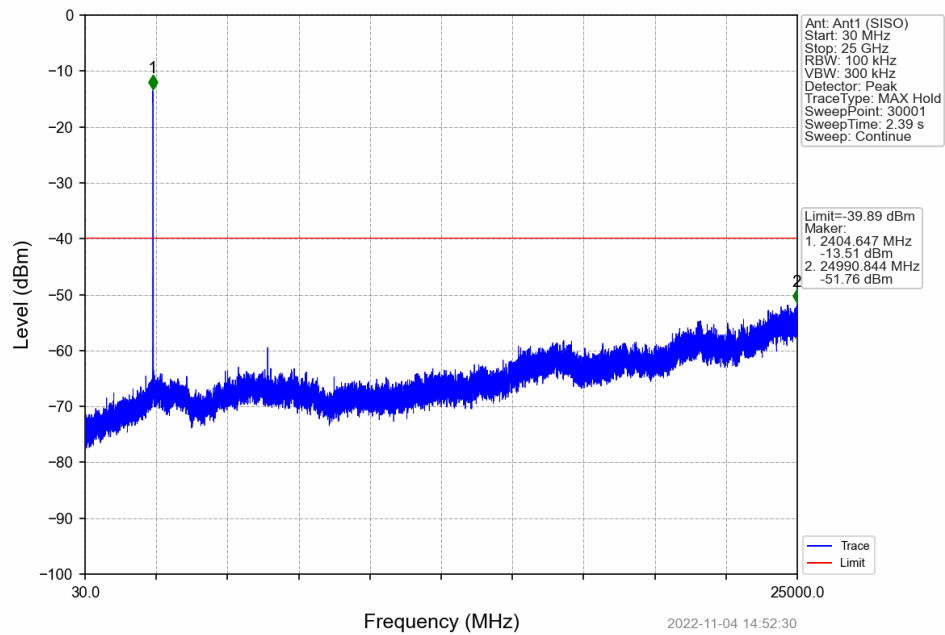
## 802.11b HCH 2462MHz Ant1 (SISO) NTN



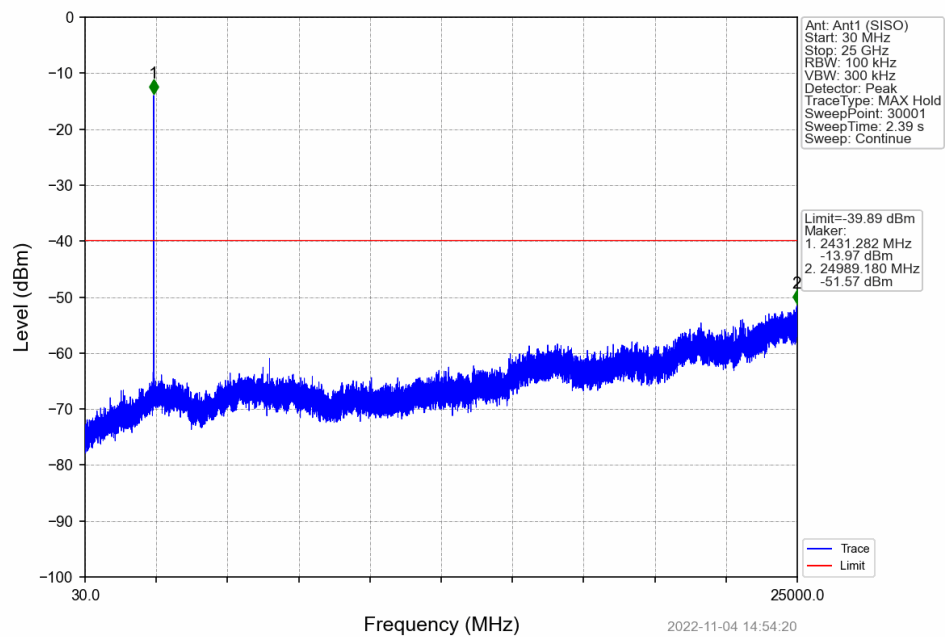
## 802.11g LCH 2412MHz Ant1 (SISO) NTN



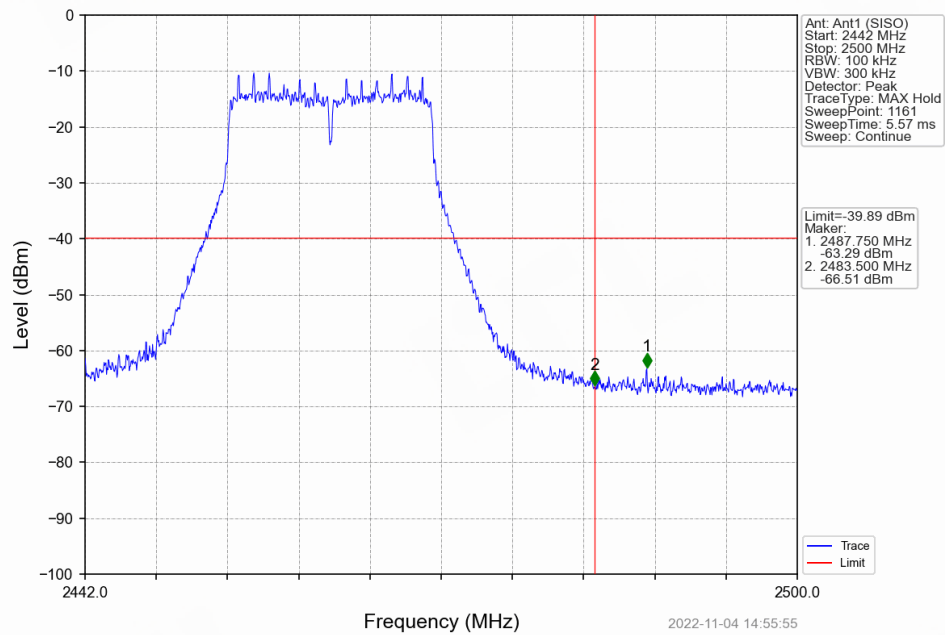
## 802.11g LCH 2412MHz Ant1 (SISO) NTN



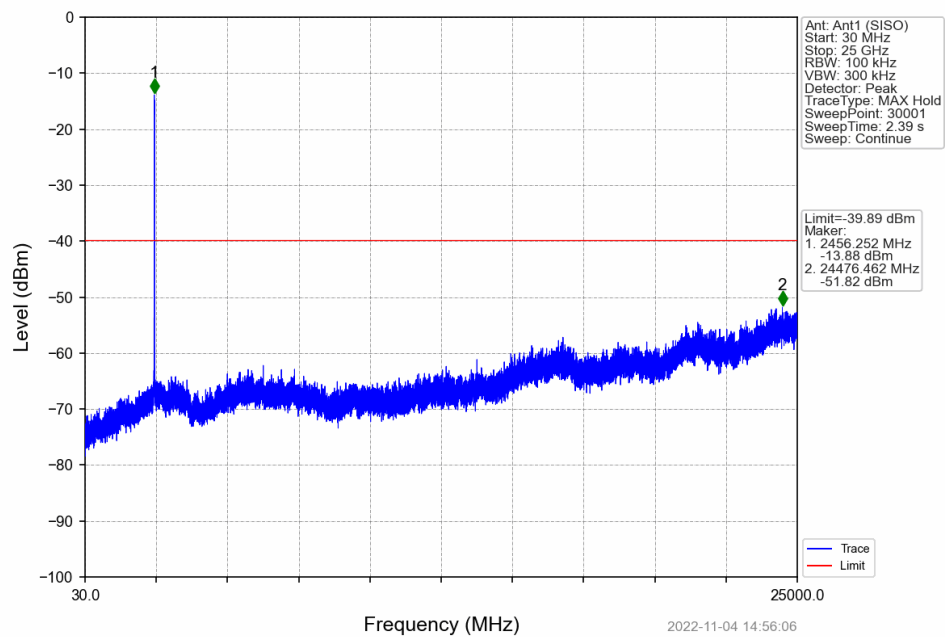
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO) NTN



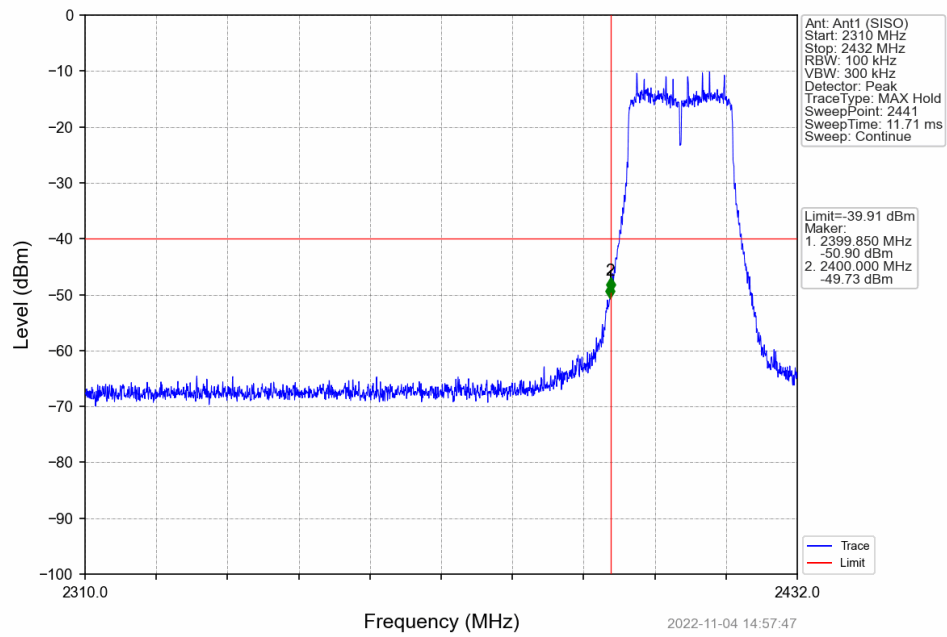
## 802.11g HCH 2462MHz Ant1 (SISO) NTN



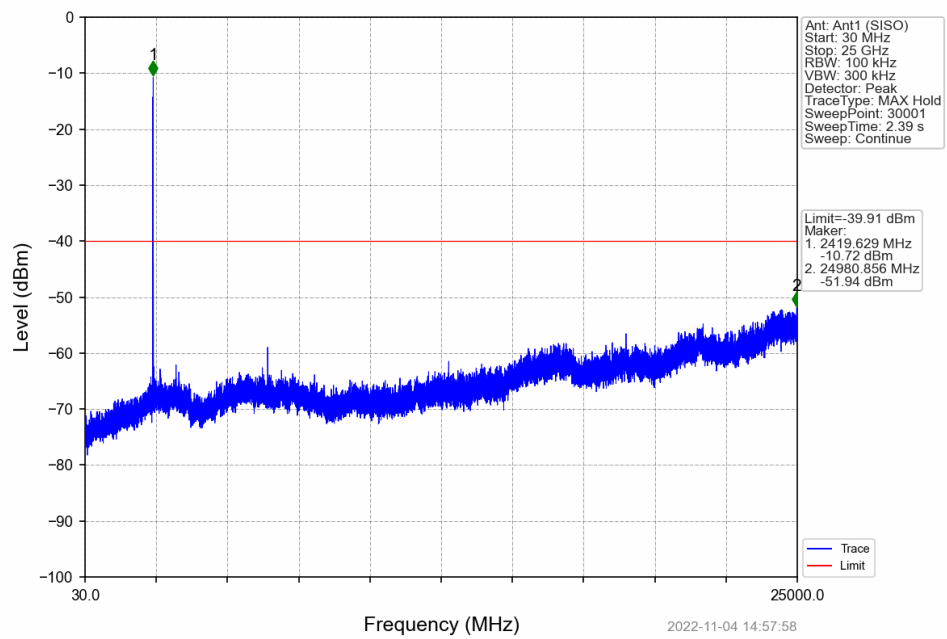
## 802.11g HCH 2462MHz Ant1 (SISO) NTN



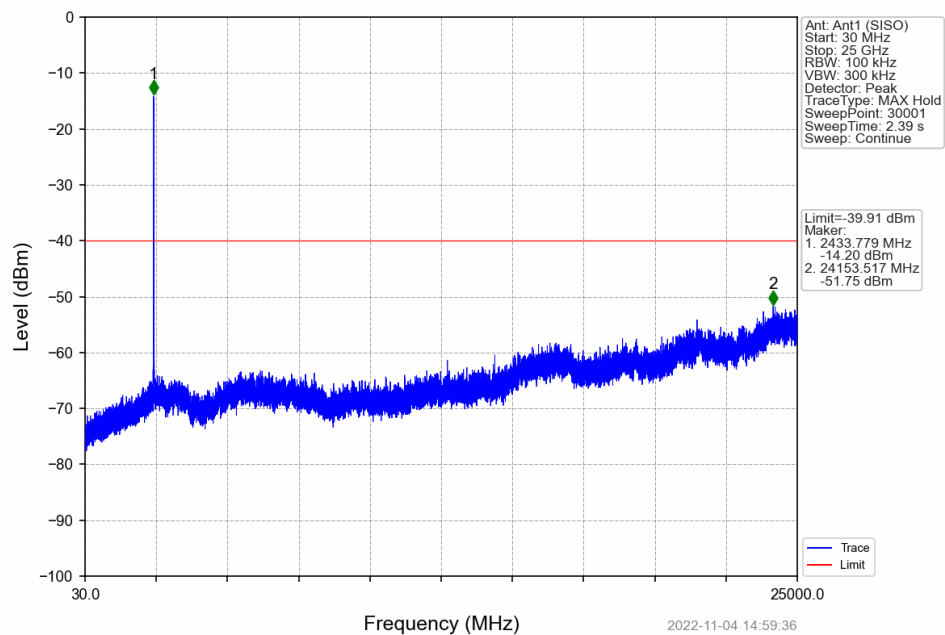
802.11n(HT20) LCH\_2412MHz\_Ant1 (SISO) \_NTNV



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



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



## 802.11n(HT20) HCH\_2462MHz\_Ant1 (SISO) NTNV

