

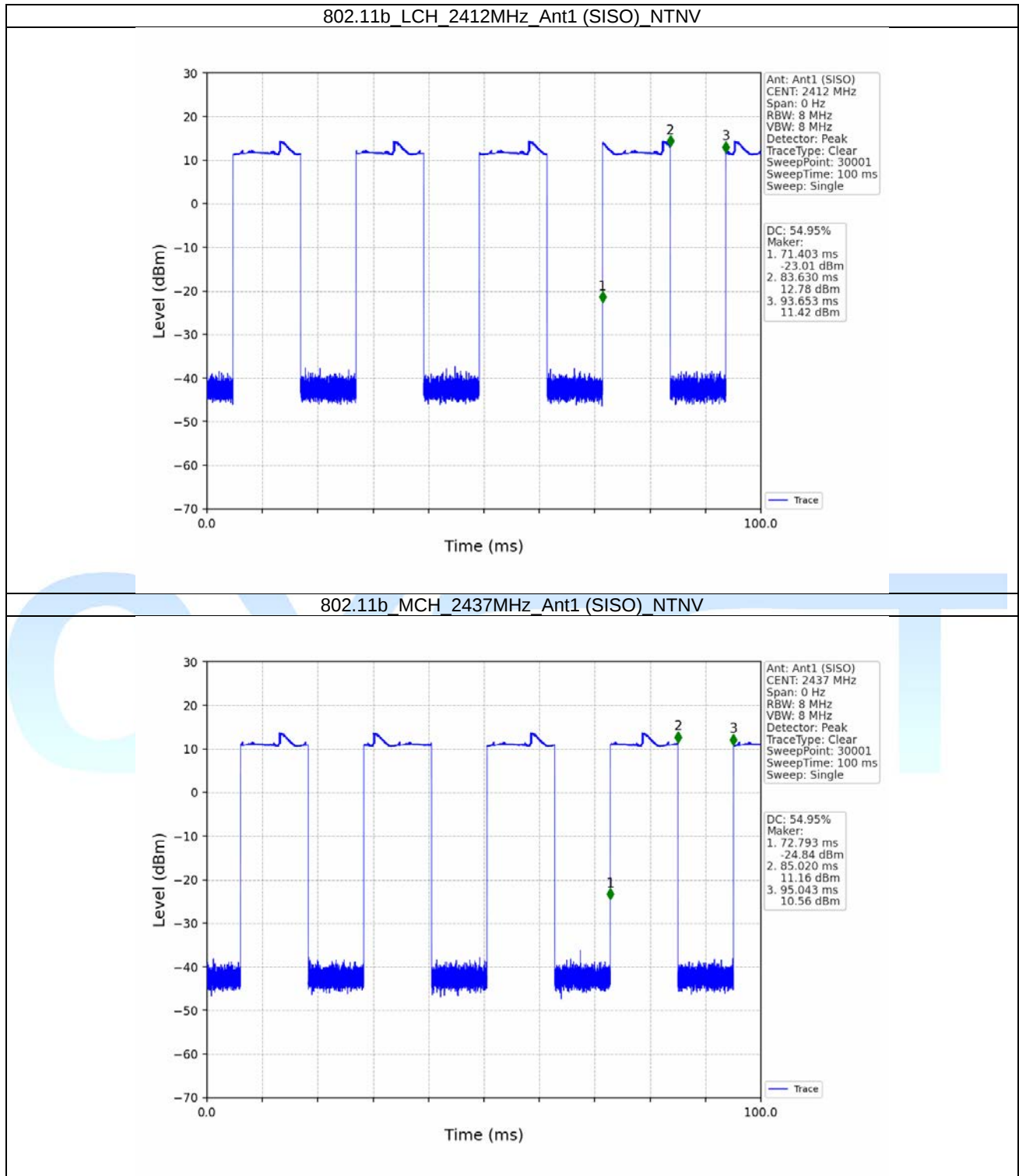
## 1. Duty Cycle

### 1.1 Ant1

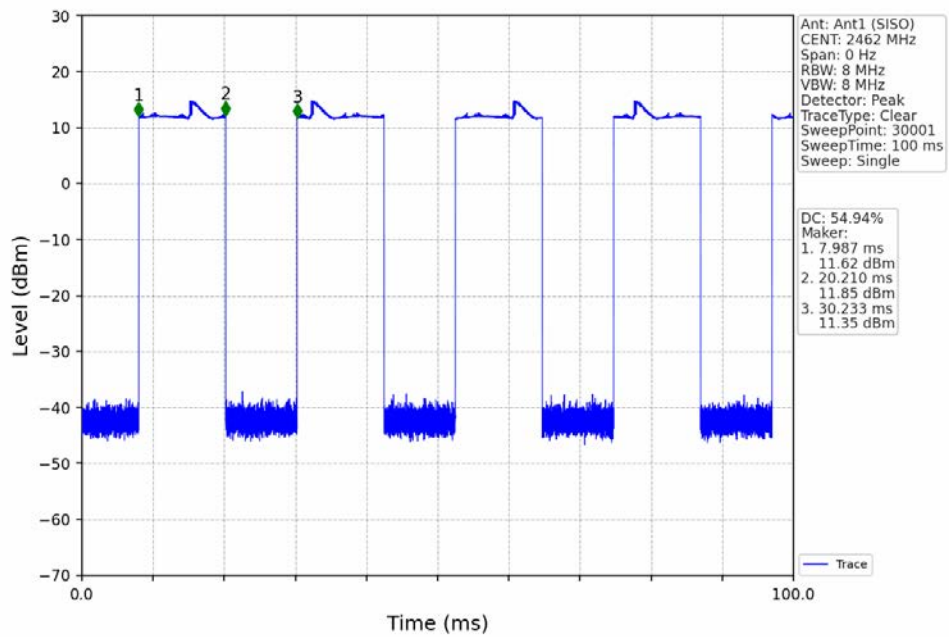
#### 1.1.1 Test Result

| Ant1             |         |                 |       |        |           |             |                |                                   |                       |
|------------------|---------|-----------------|-------|--------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b          | SISO    | 2412            | /     | /      | 12.227    | 22.250      | 54.95          | 2.60                              | 0.02                  |
|                  |         | 2437            | /     | /      | 12.227    | 22.250      | 54.95          | 2.60                              | 0.01                  |
|                  |         | 2462            | /     | /      | 12.223    | 22.246      | 54.94          | 2.60                              | 0.01                  |
| 802.11g          | SISO    | 2412            | /     | /      | 2.033     | 12.660      | 16.06          | 7.94                              | 0.83                  |
|                  |         | 2437            | /     | /      | 2.033     | 12.063      | 16.85          | 7.73                              | 0.04                  |
|                  |         | 2462            | /     | /      | 2.033     | 12.063      | 16.85          | 7.73                              | 0.03                  |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | 1.894     | 11.924      | 15.88          | 7.99                              | 0.03                  |
|                  |         | 2437            | /     | /      | 1.893     | 11.923      | 15.88          | 7.99                              | 0.03                  |
|                  |         | 2462            | /     | /      | 1.894     | 11.924      | 15.88          | 7.99                              | 0.03                  |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | 0.933     | 10.963      | 8.51           | 10.70                             | 0.03                  |
|                  |         | 2437            | /     | /      | 0.933     | 10.963      | 8.51           | 10.70                             | 0.03                  |
|                  |         | 2452            | /     | /      | 0.933     | 10.963      | 8.51           | 10.70                             | 0.03                  |
| 802.11ax (HEW20) | SISO    | 2412            | RU242 | Left   | 1.463     | 11.493      | 12.73          | 8.95                              | 0.03                  |
|                  |         | 2437            | RU242 | Left   | 1.463     | 11.493      | 12.73          | 8.95                              | 0.03                  |
|                  |         | 2462            | RU242 | Left   | 1.464     | 11.494      | 12.74          | 8.95                              | 0.03                  |
| 802.11ax (HEW40) | SISO    | 2422            | RU484 | Left   | 0.764     | 10.794      | 7.08           | 11.50                             | 0.04                  |
|                  |         | 2437            | RU484 | Left   | 0.763     | 10.786      | 7.07           | 11.50                             | 0.03                  |
|                  |         | 2452            | RU484 | Left   | 0.764     | 10.794      | 7.08           | 11.50                             | 0.03                  |

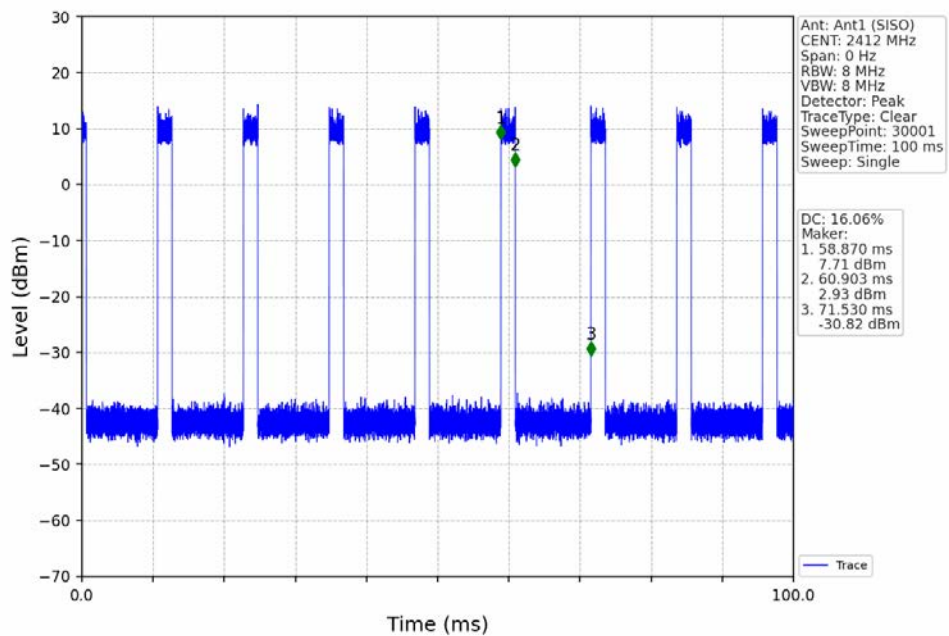
## 1.1.2 Test Graph



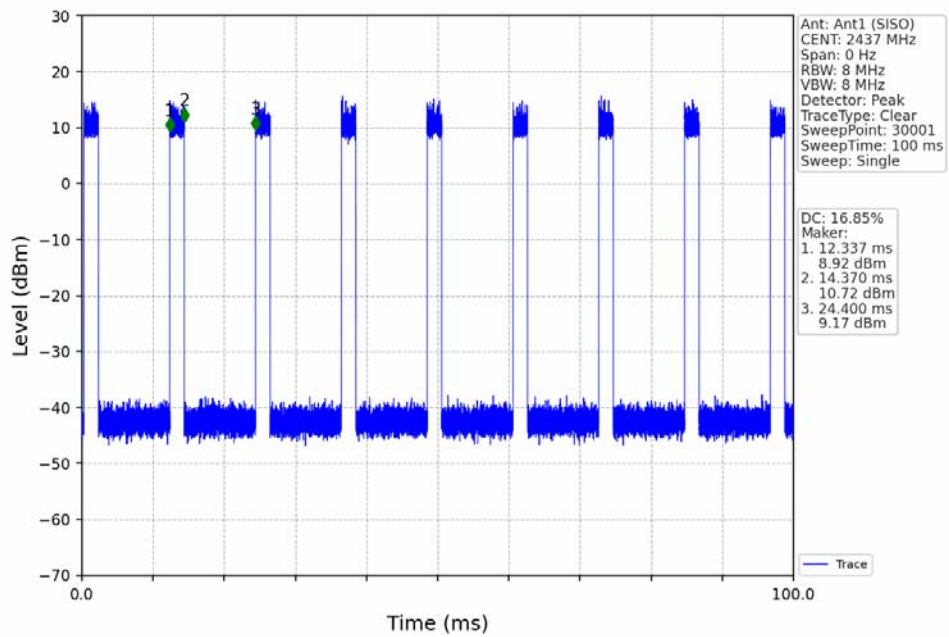
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



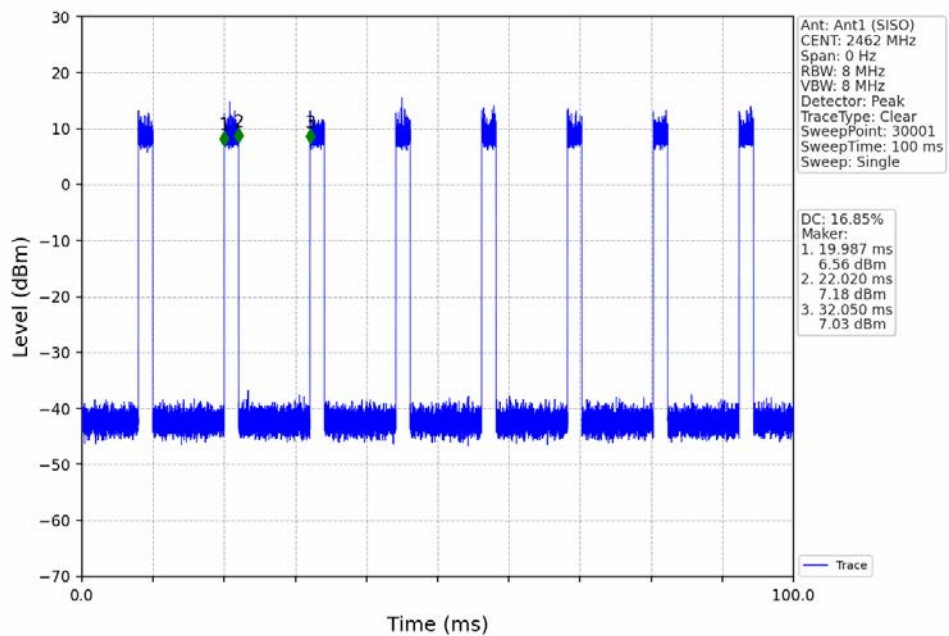
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



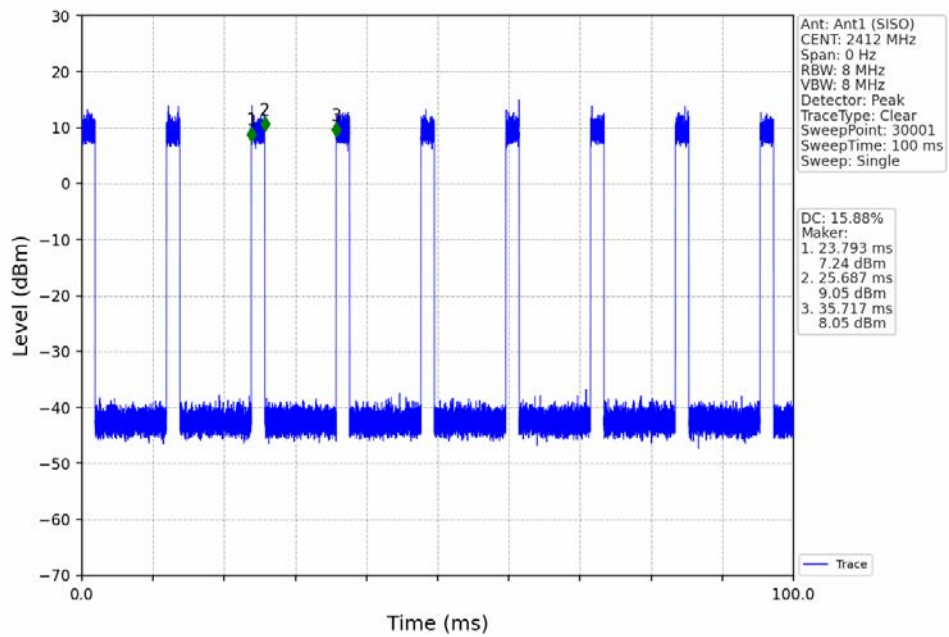
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



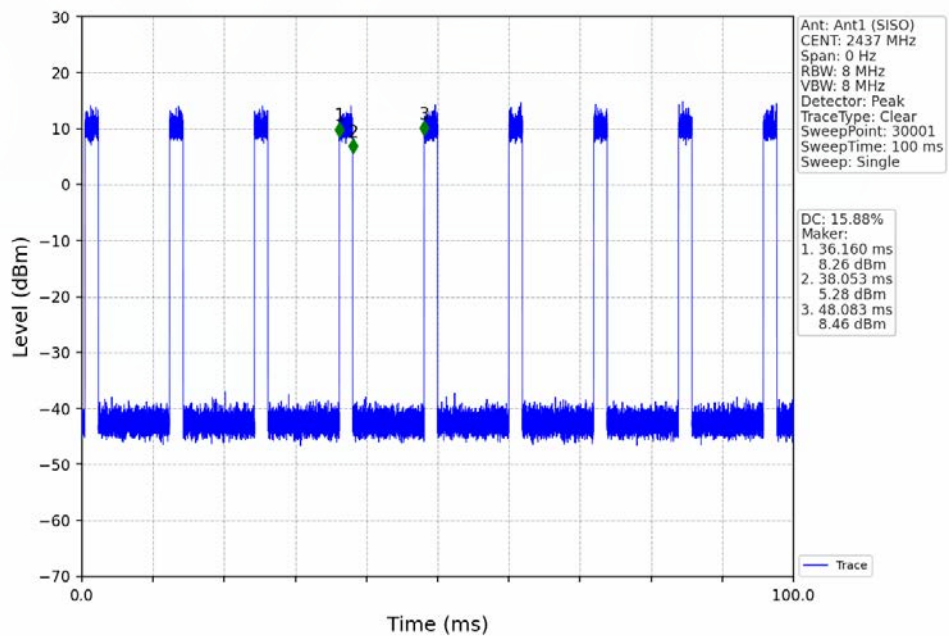
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



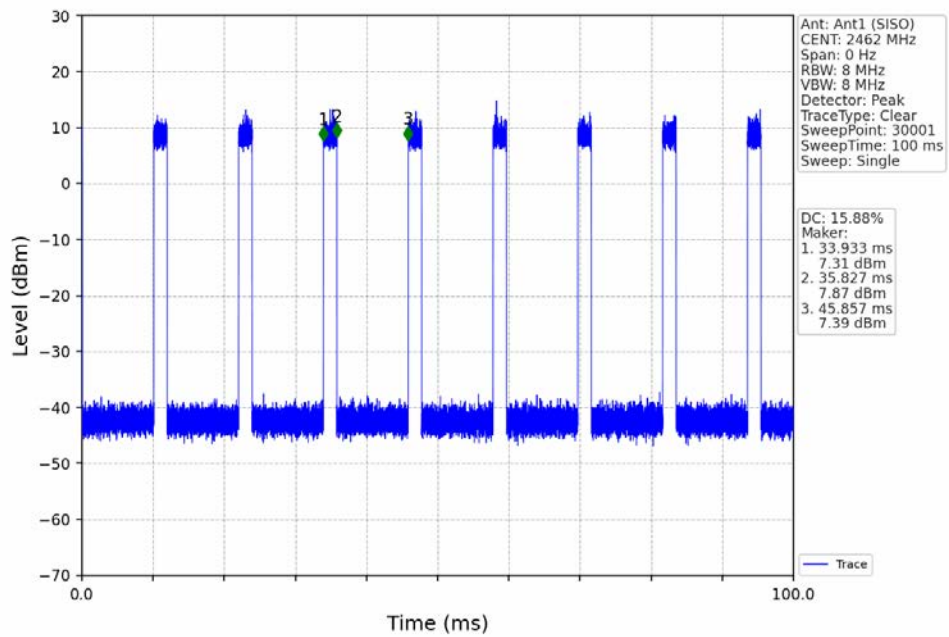
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



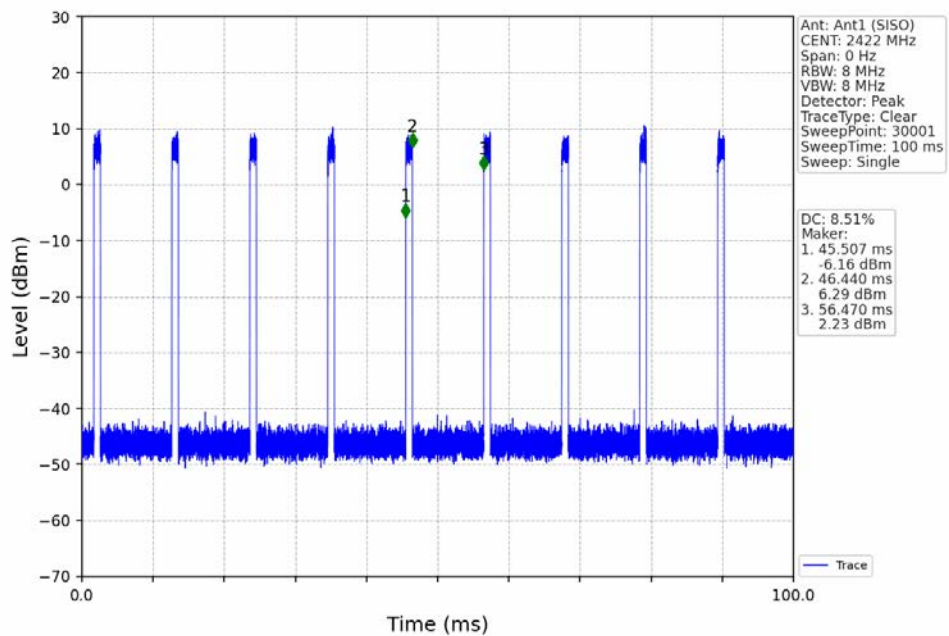
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



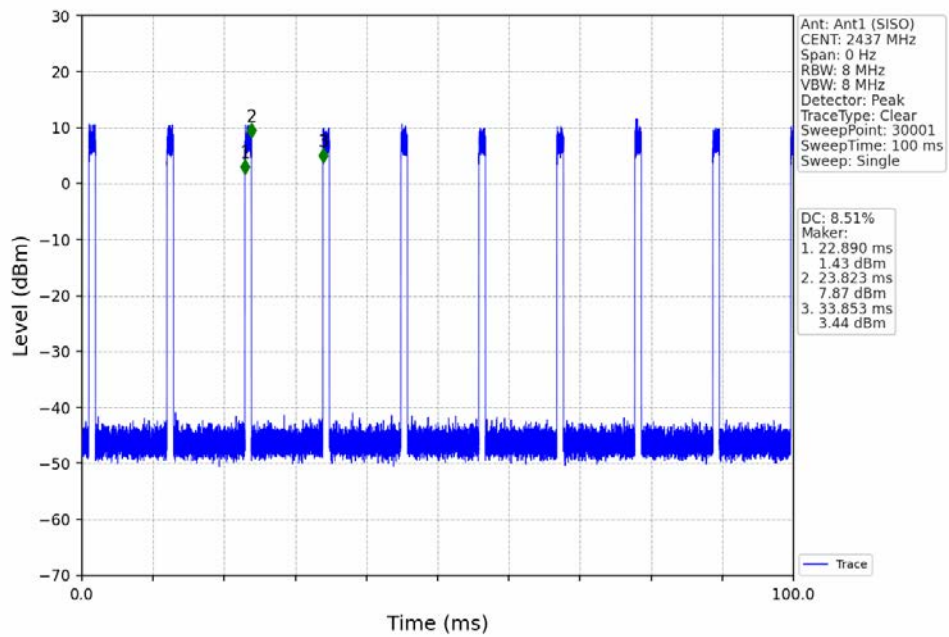
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



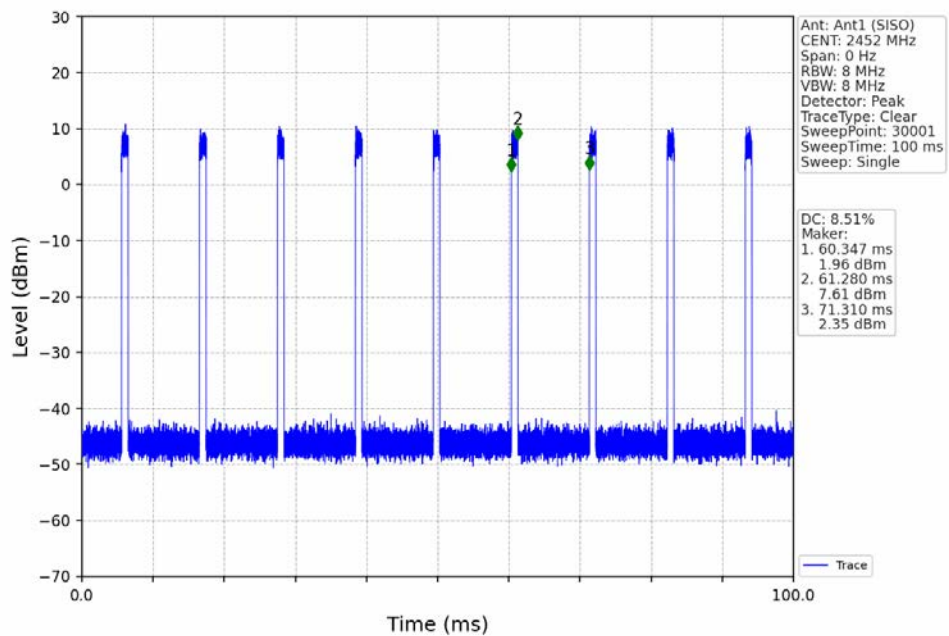
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



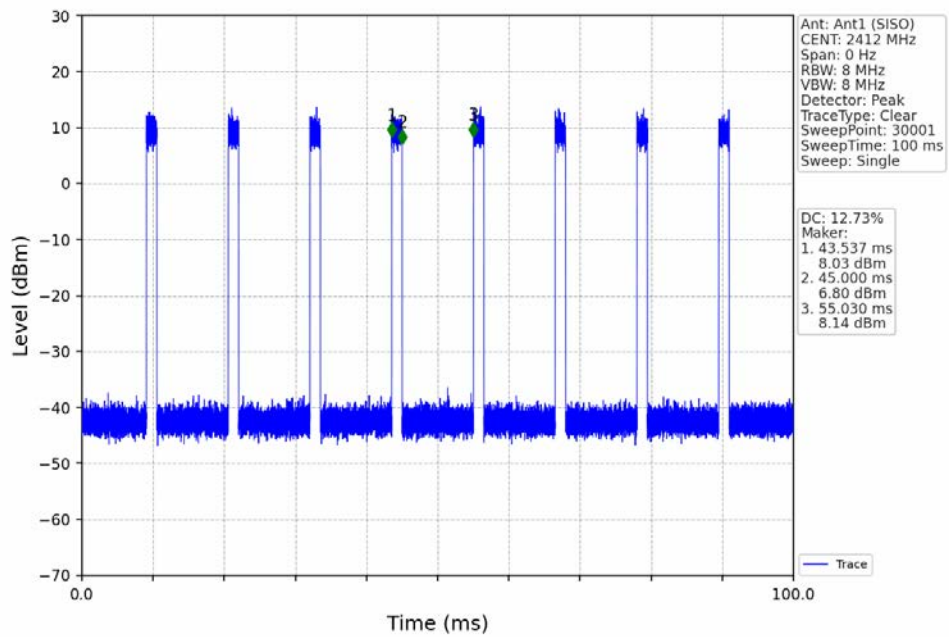
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



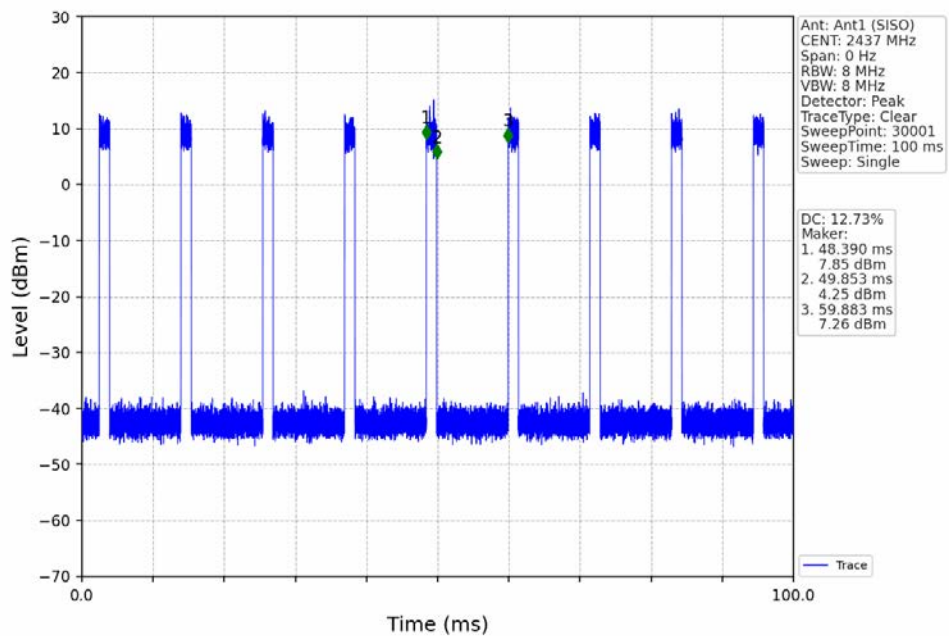
802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



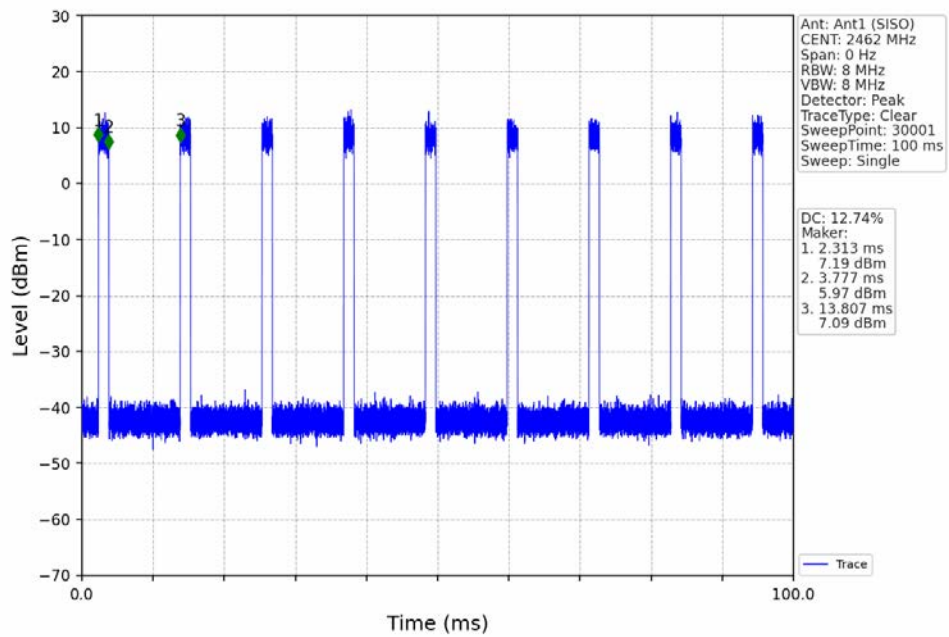
802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (SISO)\_NTNV



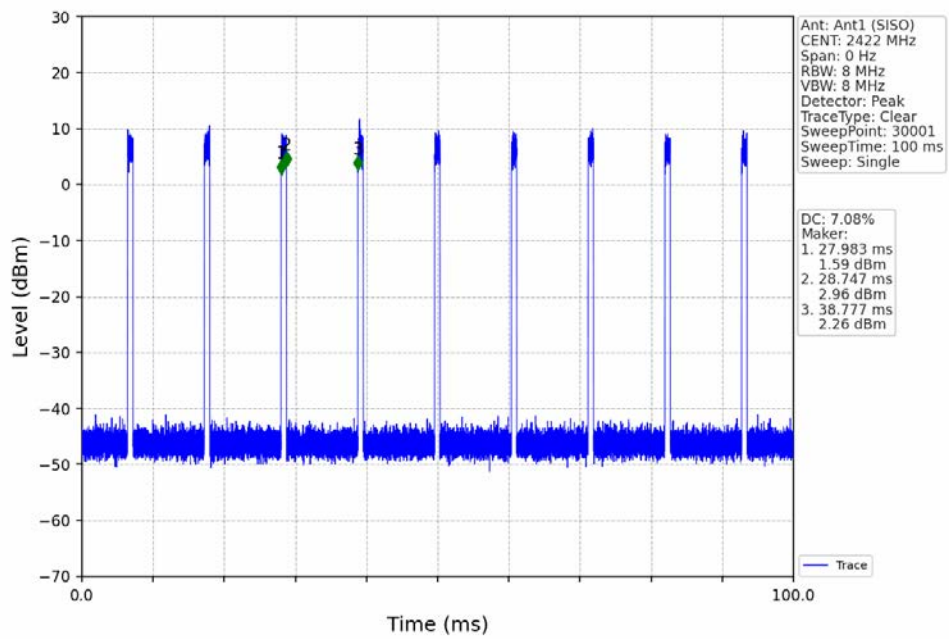
802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant1 (SISO)\_NTNV



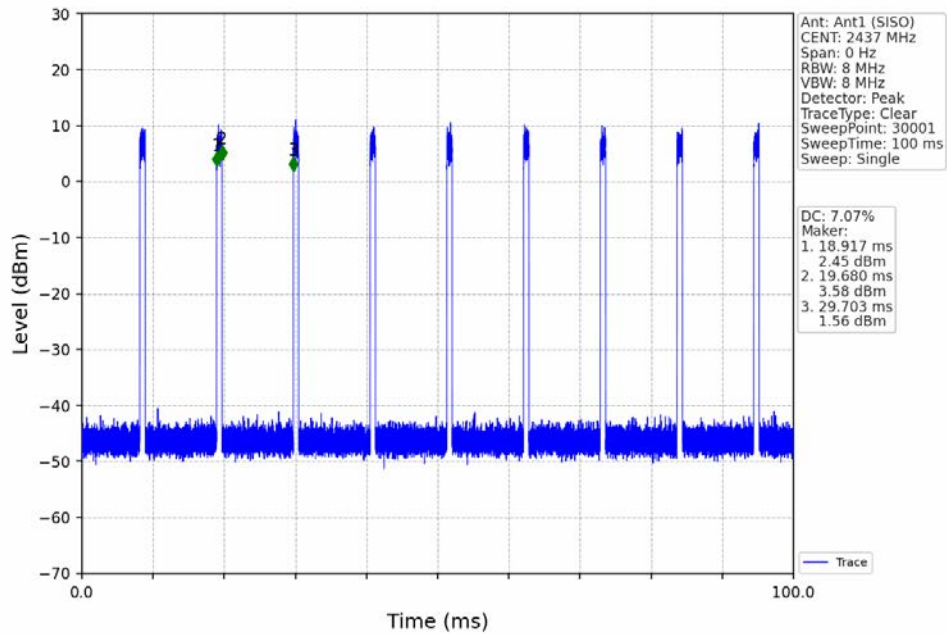
802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant1 (SISO)\_NTNV



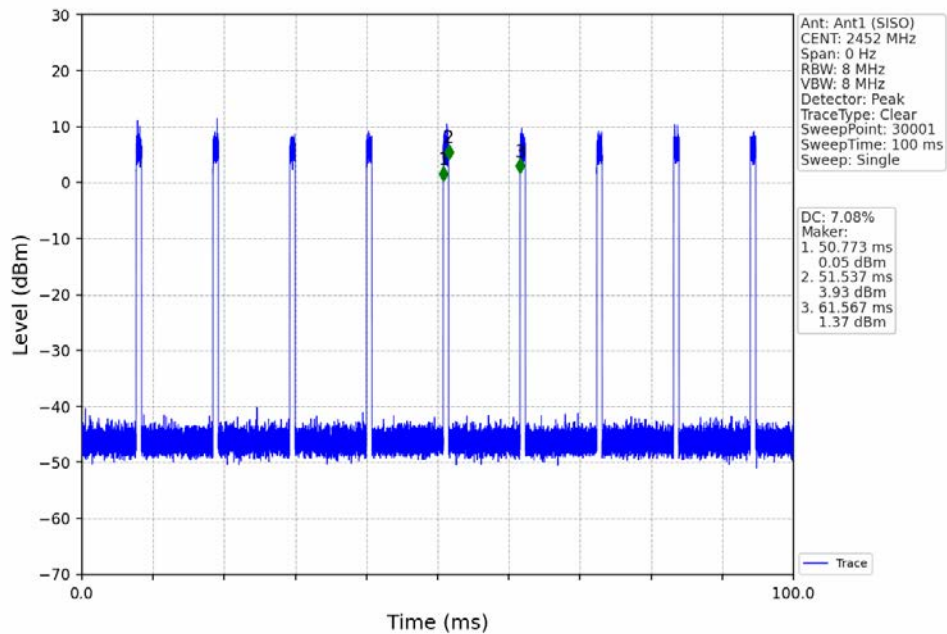
802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant1 (SISO)\_NTNV



802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant1 (SISO)\_NTNV



802.11ax(HEW40)\_HCH\_2452MHz\_RU484\_Left\_Ant1 (SISO)\_NTNV



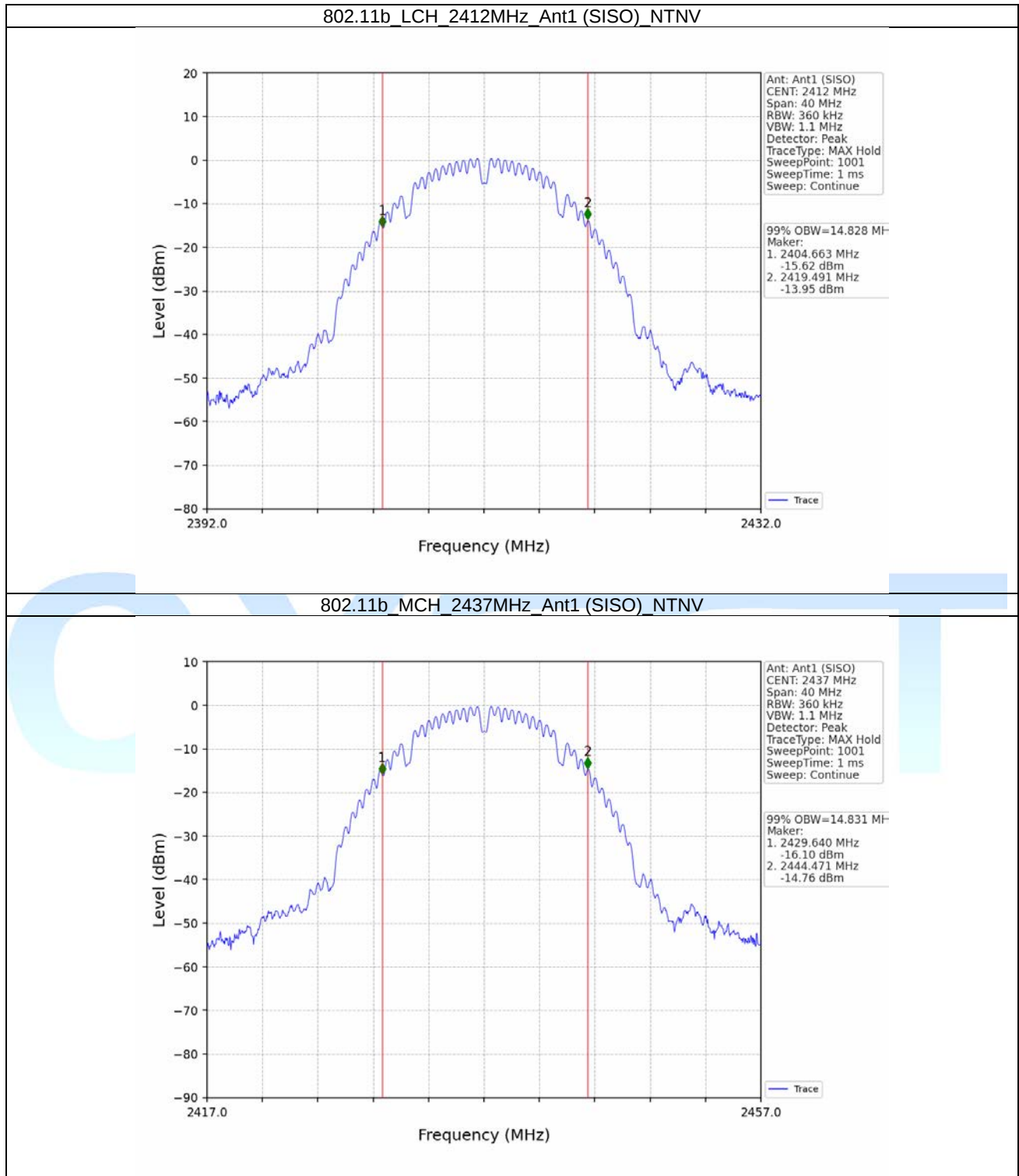
## 2. Bandwidth

### 2.1 OBW

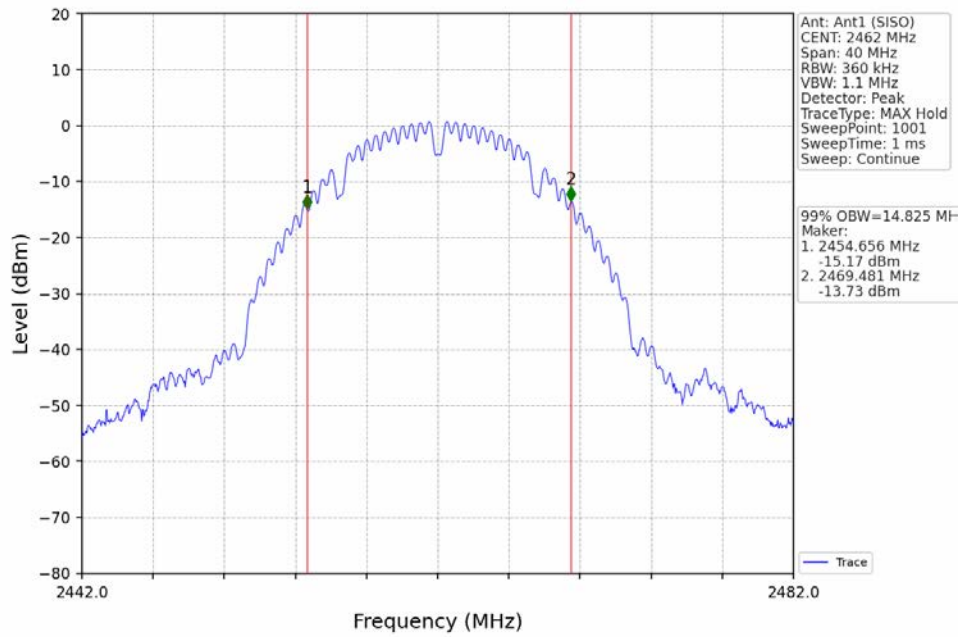
#### 2.1.1 Test Result

| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-----|------------------------------|-------|---------|
|                  |         |                 |       |        |     | Result                       | Limit |         |
| 802.11b          | SISO    | 2412            | /     | /      | 1   | 14.828                       | /     | Pass    |
|                  |         | 2437            | /     | /      | 1   | 14.831                       | /     | Pass    |
|                  |         | 2462            | /     | /      | 1   | 14.825                       | /     | Pass    |
| 802.11g          | SISO    | 2412            | /     | /      | 1   | 18.363                       | /     | Pass    |
|                  |         | 2437            | /     | /      | 1   | 18.293                       | /     | Pass    |
|                  |         | 2462            | /     | /      | 1   | 18.313                       | /     | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | 1   | 19.278                       | /     | Pass    |
|                  |         | 2437            | /     | /      | 1   | 19.273                       | /     | Pass    |
|                  |         | 2462            | /     | /      | 1   | 19.277                       | /     | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | 1   | 37.359                       | /     | Pass    |
|                  |         | 2437            | /     | /      | 1   | 37.342                       | /     | Pass    |
|                  |         | 2452            | /     | /      | 1   | 37.138                       | /     | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | RU242 | Left   | 1   | 19.801                       | /     | Pass    |
|                  |         | 2437            | RU242 | Left   | 1   | 19.731                       | /     | Pass    |
|                  |         | 2462            | RU242 | Left   | 1   | 19.823                       | /     | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | RU484 | Left   | 1   | 38.465                       | /     | Pass    |
|                  |         | 2437            | RU484 | Left   | 1   | 38.436                       | /     | Pass    |
|                  |         | 2452            | RU484 | Left   | 1   | 38.391                       | /     | Pass    |

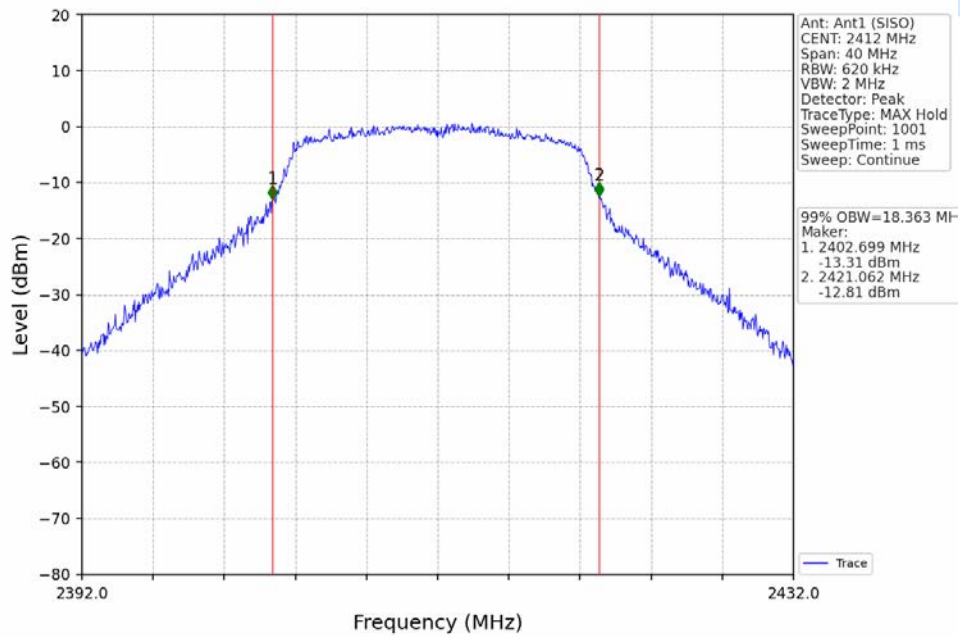
## 2.1.2 Test Graph



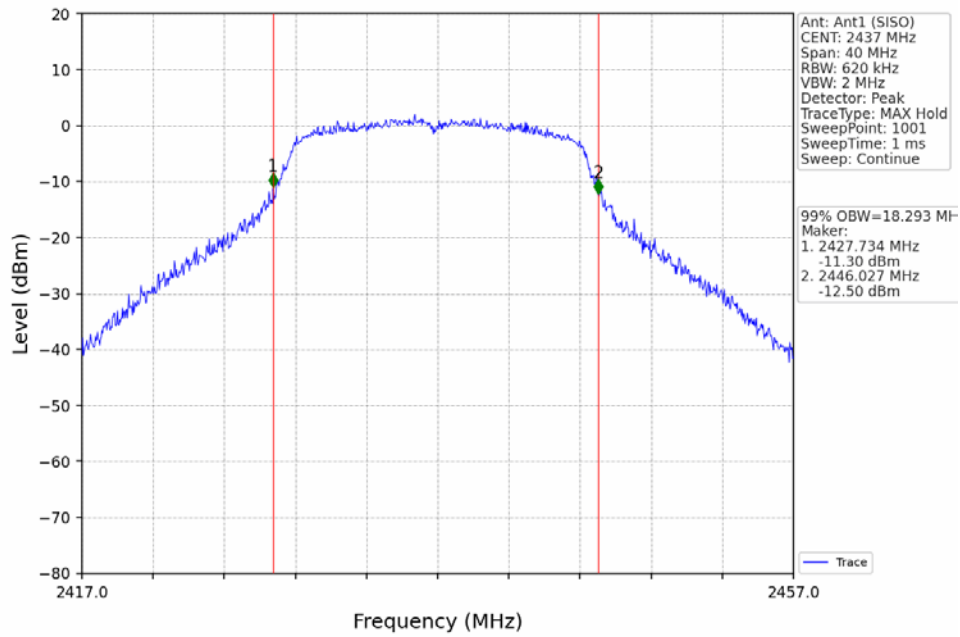
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



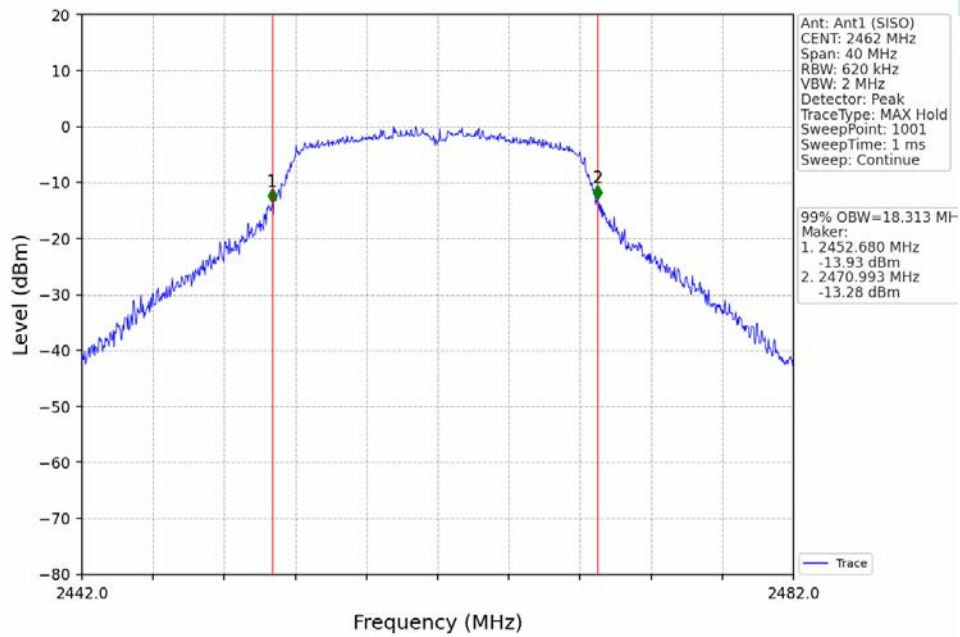
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



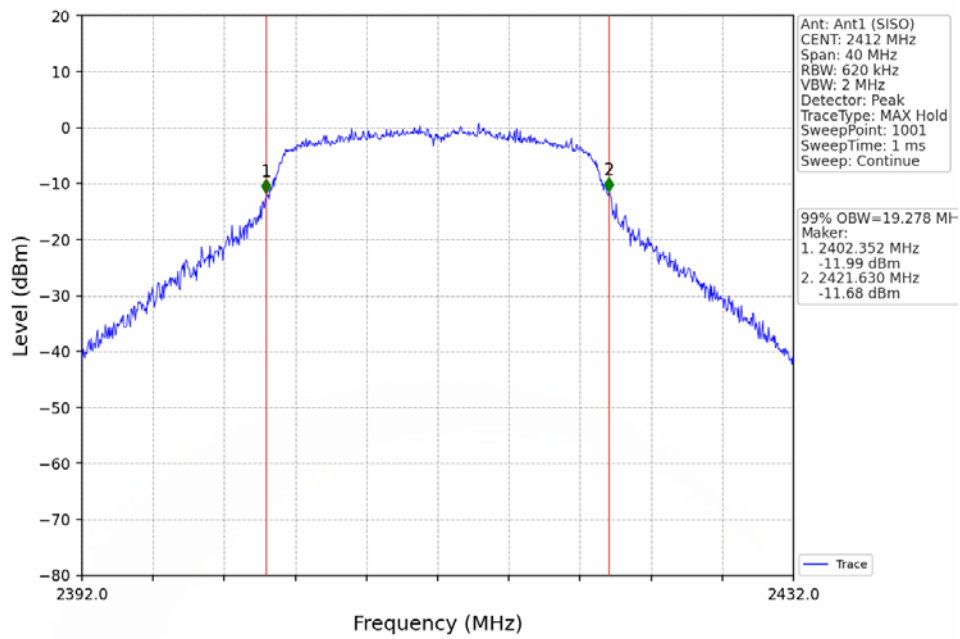
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



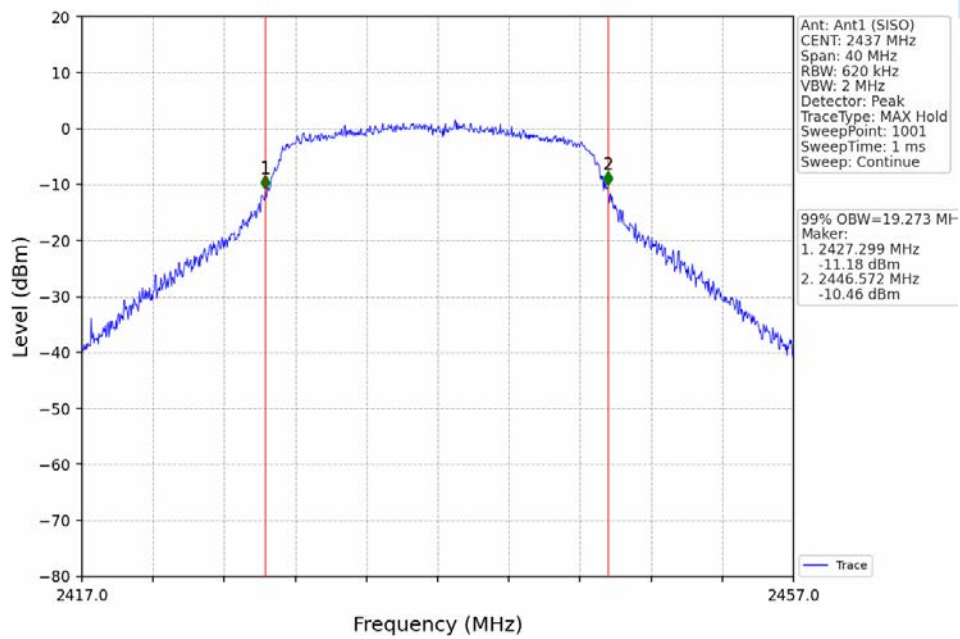
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



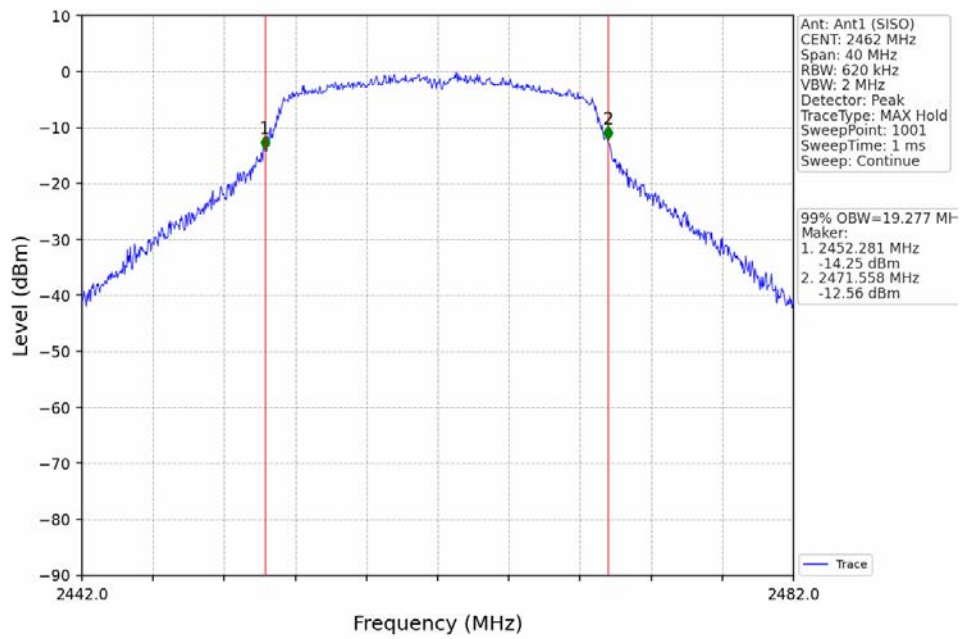
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



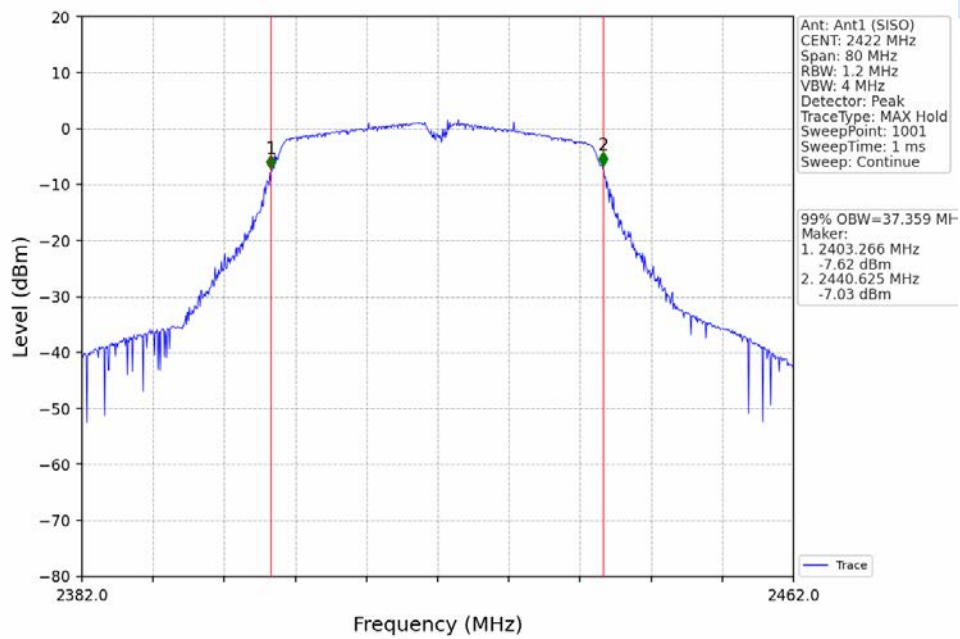
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



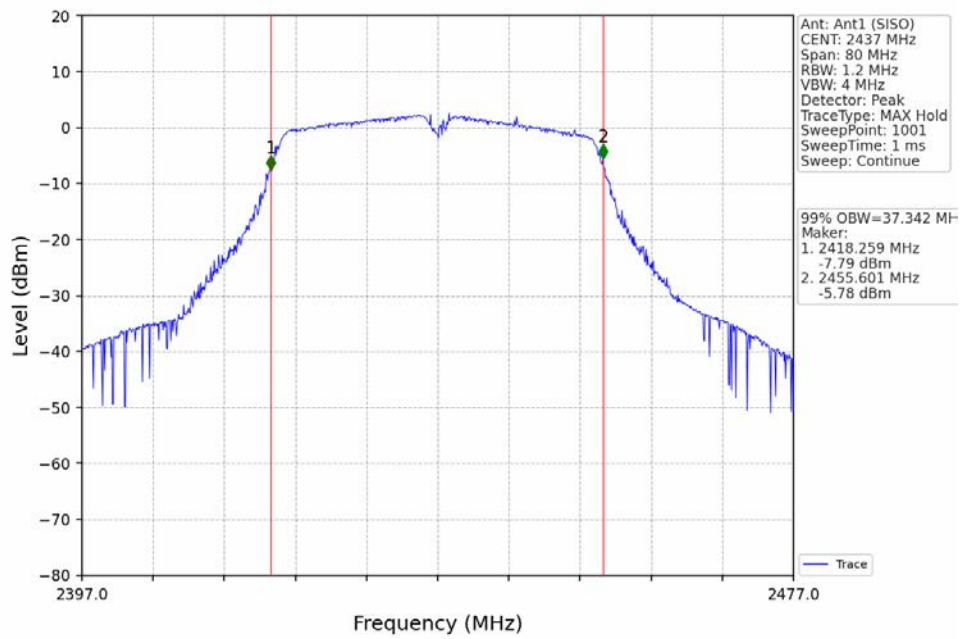
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



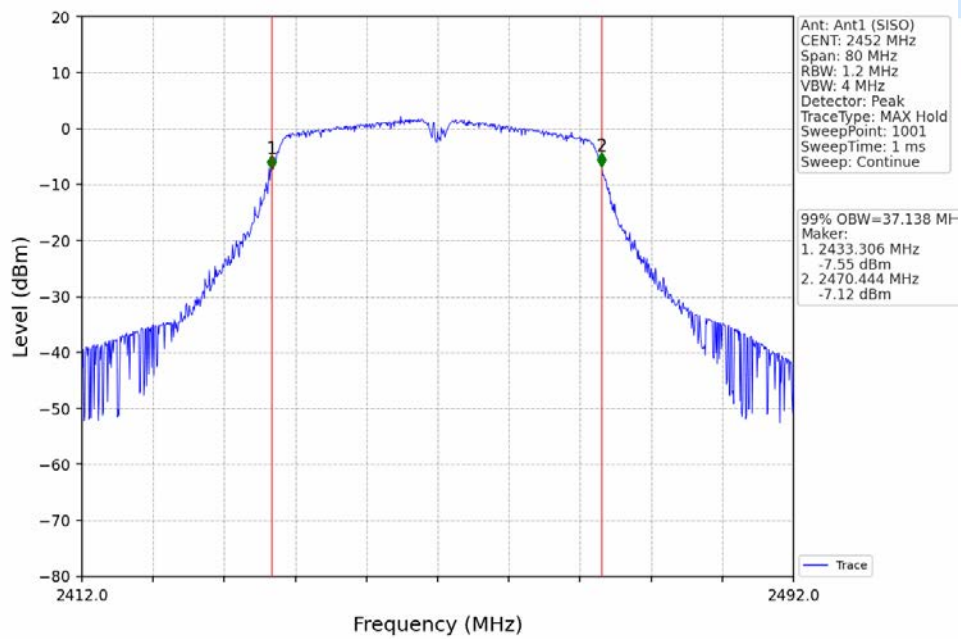
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



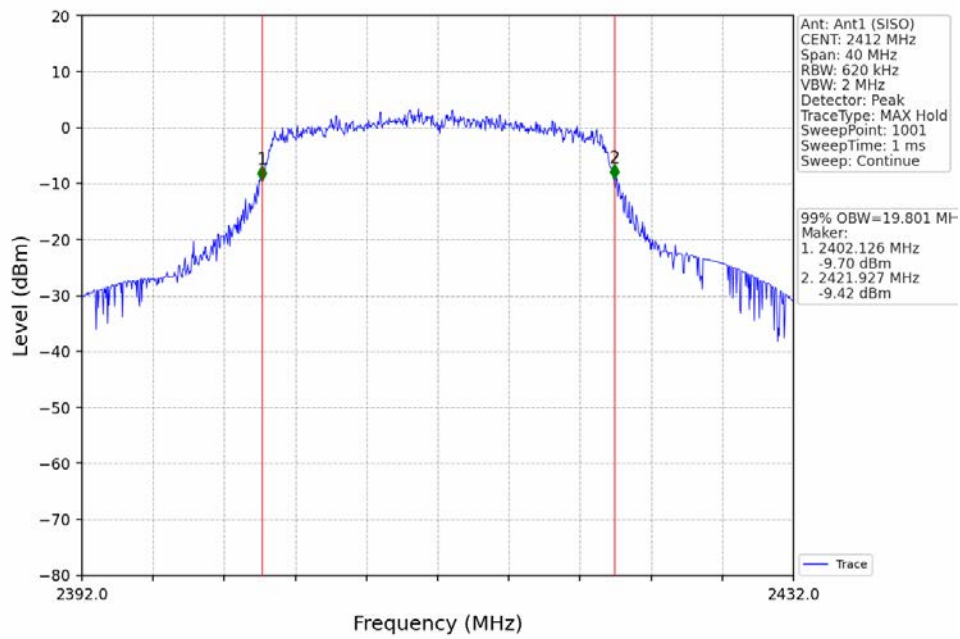
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



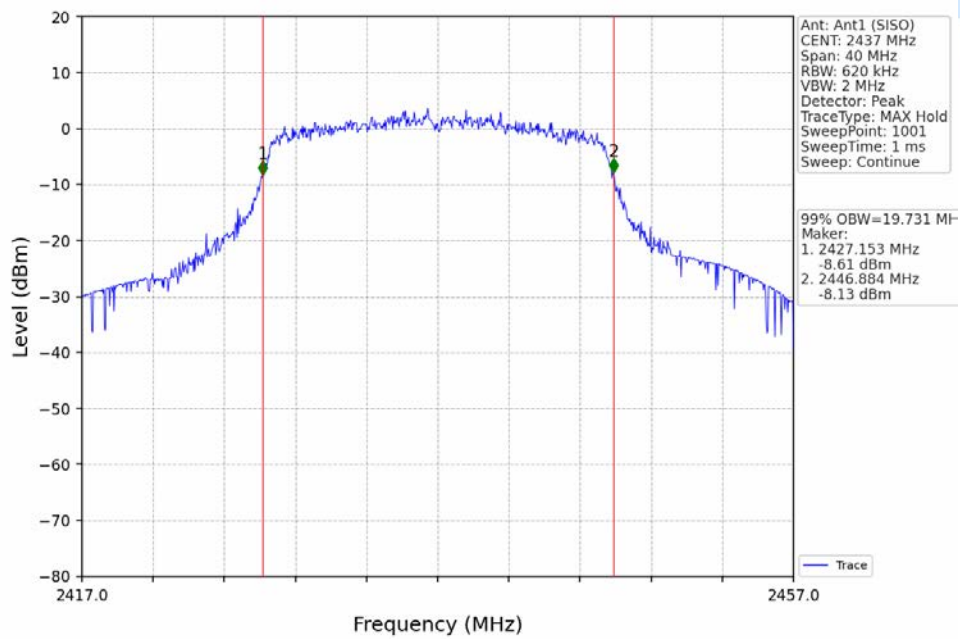
802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



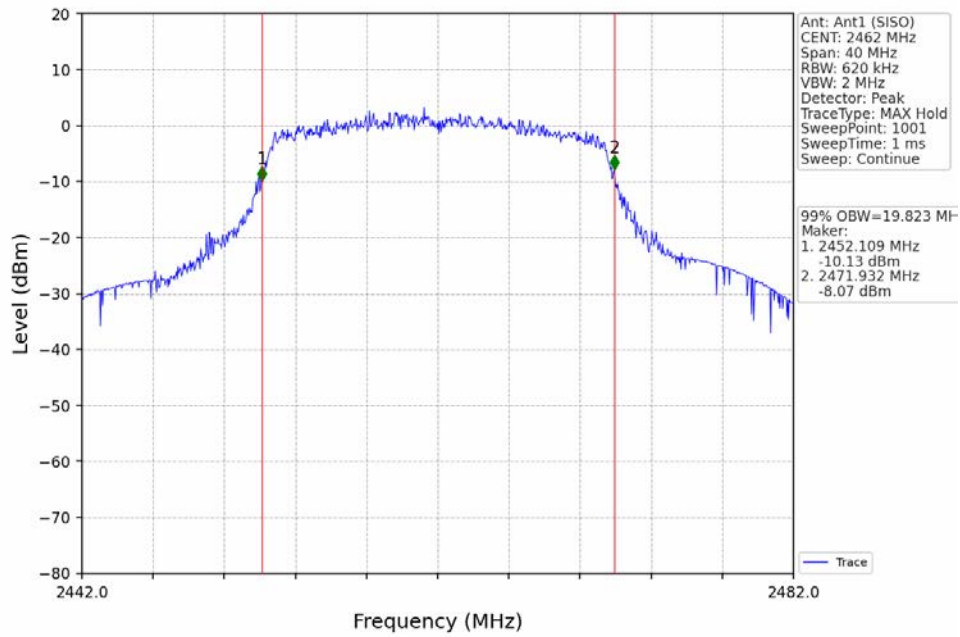
802.11ax(HEW20) LCH 2412MHz\_RU242\_Left\_Ant1 (SISO) NTN



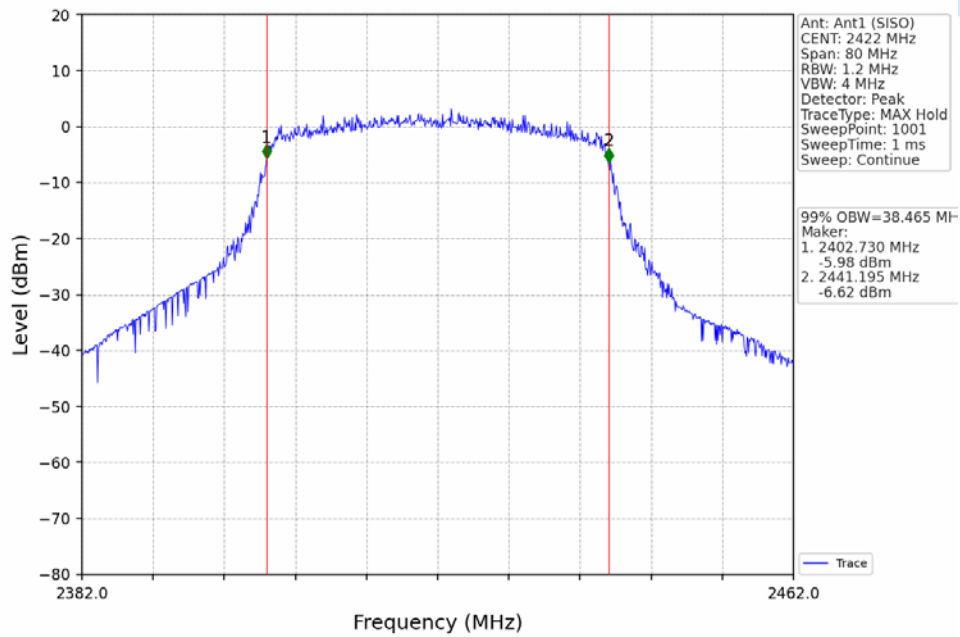
802.11ax(HEW20) MCH 2437MHz\_RU242\_Left\_Ant1 (SISO) NTN



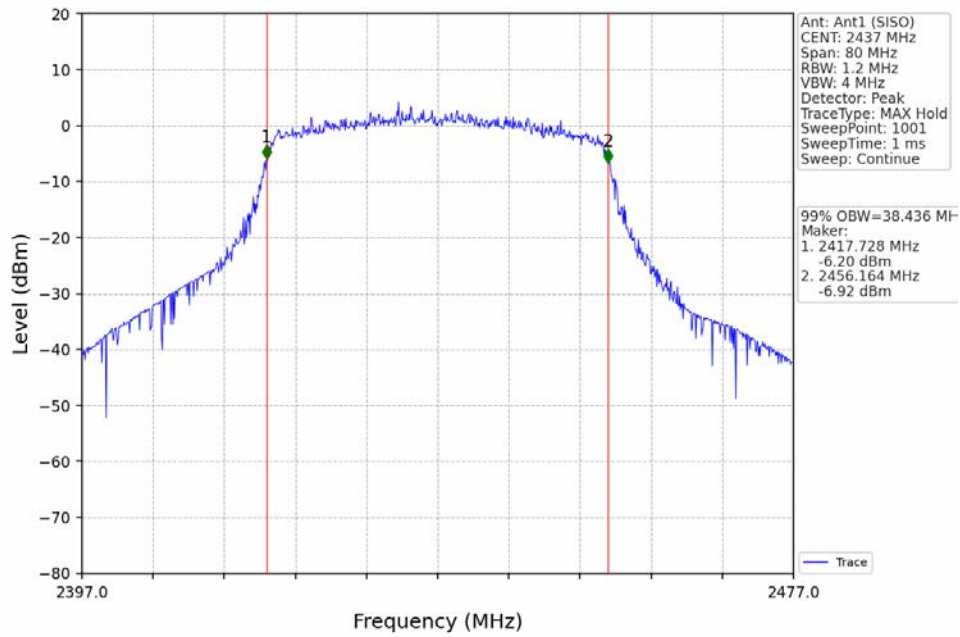
802.11ax(HEW20) HCH 2462MHz RU242 Left\_Ant1 (SISO) NTN



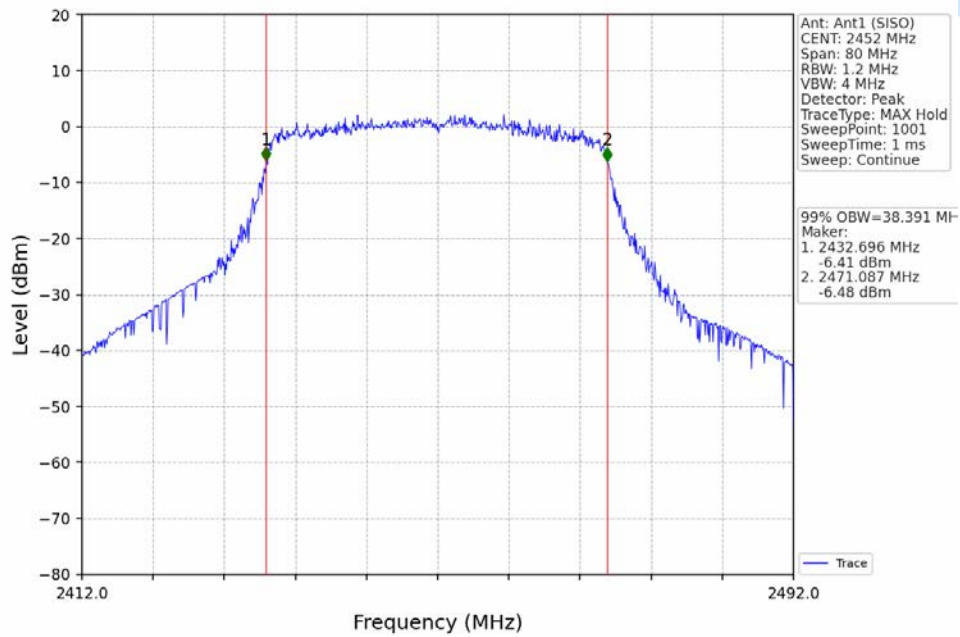
802.11ax(HEW40) LCH 2422MHz RU484 Left\_Ant1 (SISO) NTN



802.11ax(HEW40) MCH 2437MHz RU484 Left\_Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz RU484 Left\_Ant1 (SISO) NTN

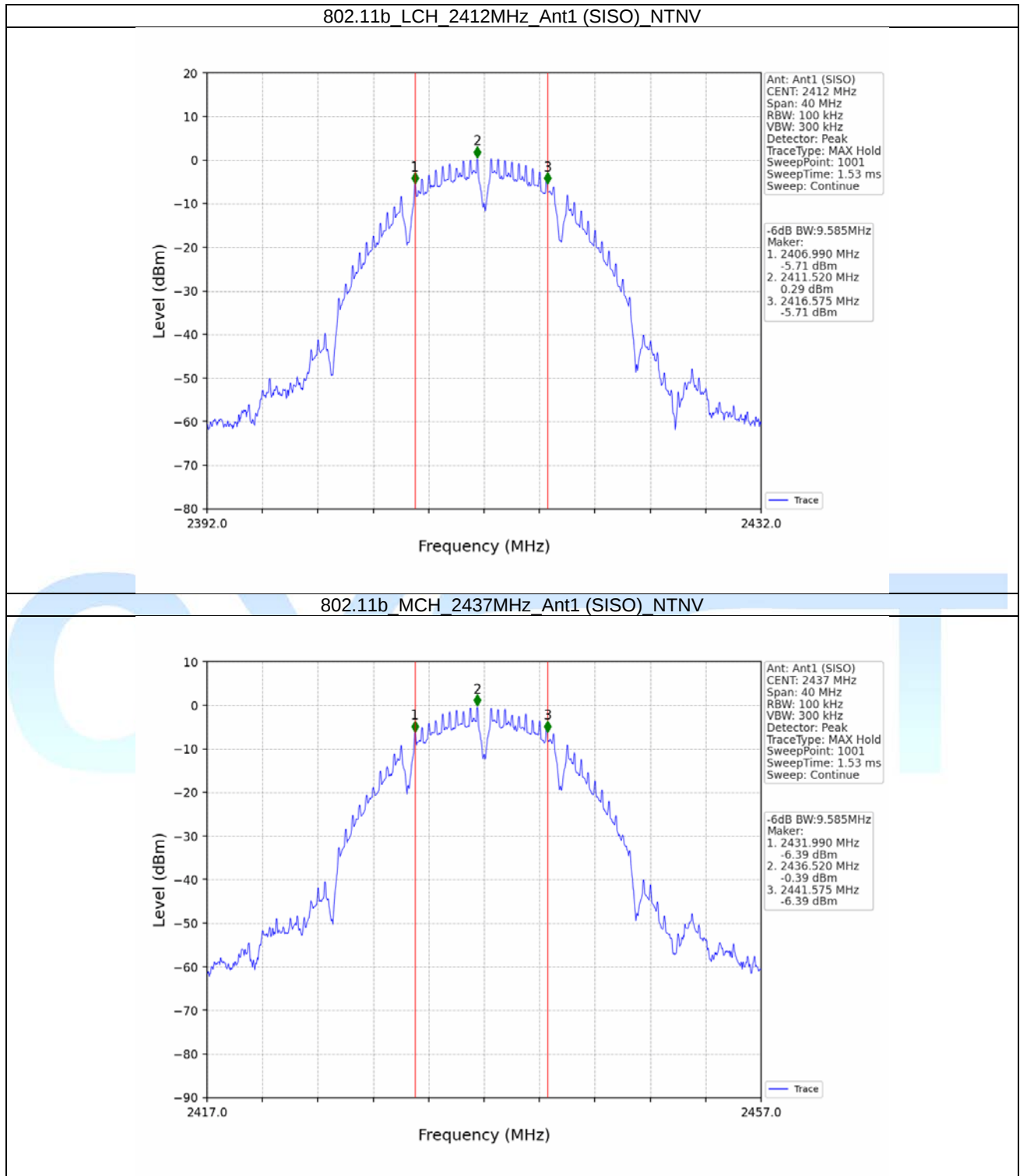


## 2.2 6dB BW

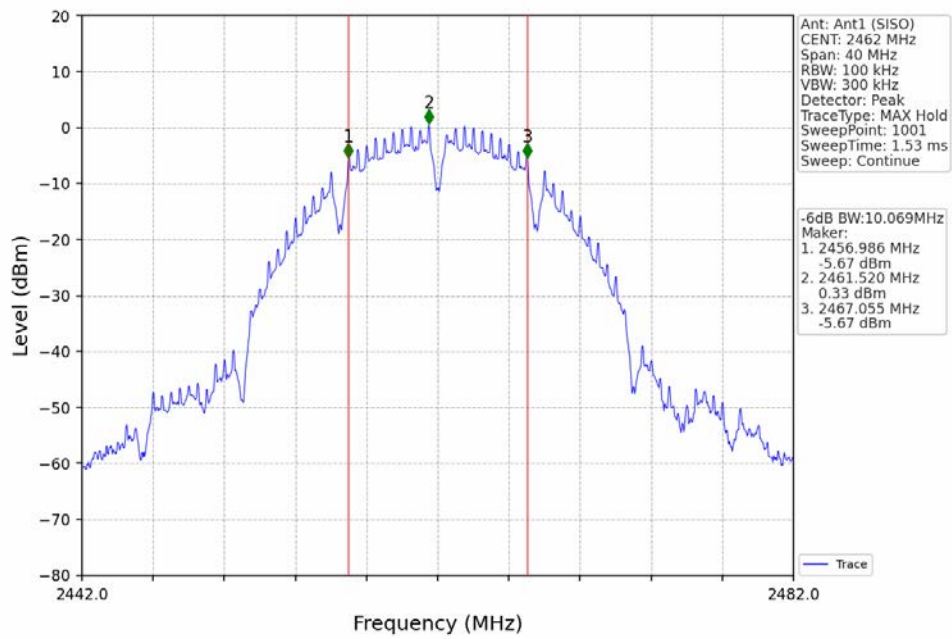
### 2.2.1 Test Result

| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------------------|---------|-----------------|-------|--------|-----|---------------------|------------|---------|
|                  |         |                 |       |        |     | Result              | Limit      |         |
| 802.11b          | SISO    | 2412            | /     | /      | 1   | 9.585               | $\geq 0.5$ | Pass    |
|                  |         | 2437            | /     | /      | 1   | 9.585               | $\geq 0.5$ | Pass    |
|                  |         | 2462            | /     | /      | 1   | 10.069              | $\geq 0.5$ | Pass    |
| 802.11g          | SISO    | 2412            | /     | /      | 1   | 16.303              | $\geq 0.5$ | Pass    |
|                  |         | 2437            | /     | /      | 1   | 15.511              | $\geq 0.5$ | Pass    |
|                  |         | 2462            | /     | /      | 1   | 15.822              | $\geq 0.5$ | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | 1   | 15.171              | $\geq 0.5$ | Pass    |
|                  |         | 2437            | /     | /      | 1   | 15.438              | $\geq 0.5$ | Pass    |
|                  |         | 2462            | /     | /      | 1   | 15.957              | $\geq 0.5$ | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | 1   | 35.167              | $\geq 0.5$ | Pass    |
|                  |         | 2437            | /     | /      | 1   | 35.159              | $\geq 0.5$ | Pass    |
|                  |         | 2452            | /     | /      | 1   | 35.166              | $\geq 0.5$ | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | RU242 | Left   | 1   | 17.049              | $\geq 0.5$ | Pass    |
|                  |         | 2437            | RU242 | Left   | 1   | 17.691              | $\geq 0.5$ | Pass    |
|                  |         | 2462            | RU242 | Left   | 1   | 16.954              | $\geq 0.5$ | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | RU484 | Left   | 1   | 36.369              | $\geq 0.5$ | Pass    |
|                  |         | 2437            | RU484 | Left   | 1   | 35.159              | $\geq 0.5$ | Pass    |
|                  |         | 2452            | RU484 | Left   | 1   | 36.408              | $\geq 0.5$ | Pass    |

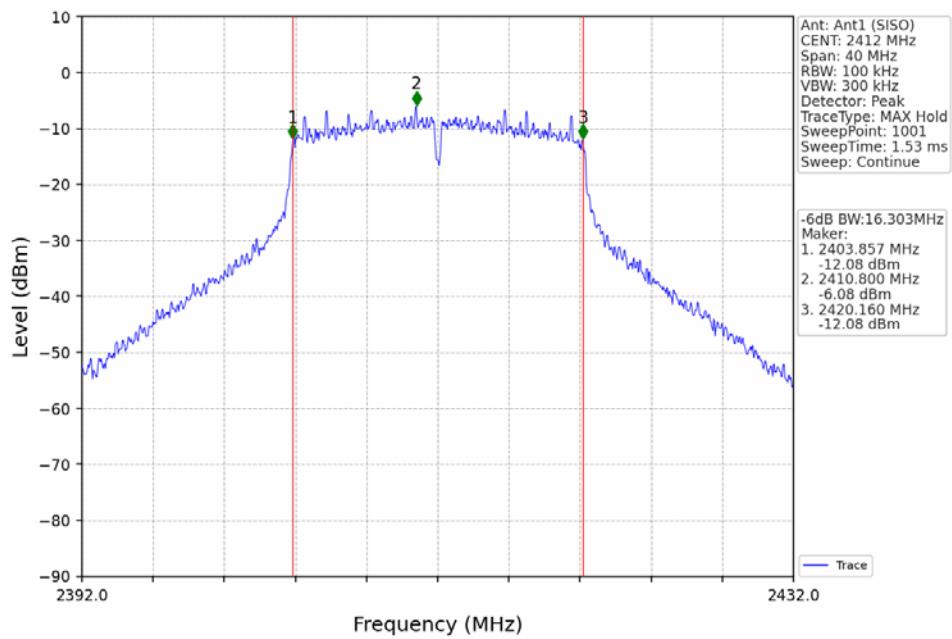
## 2.2.2 Test Graph



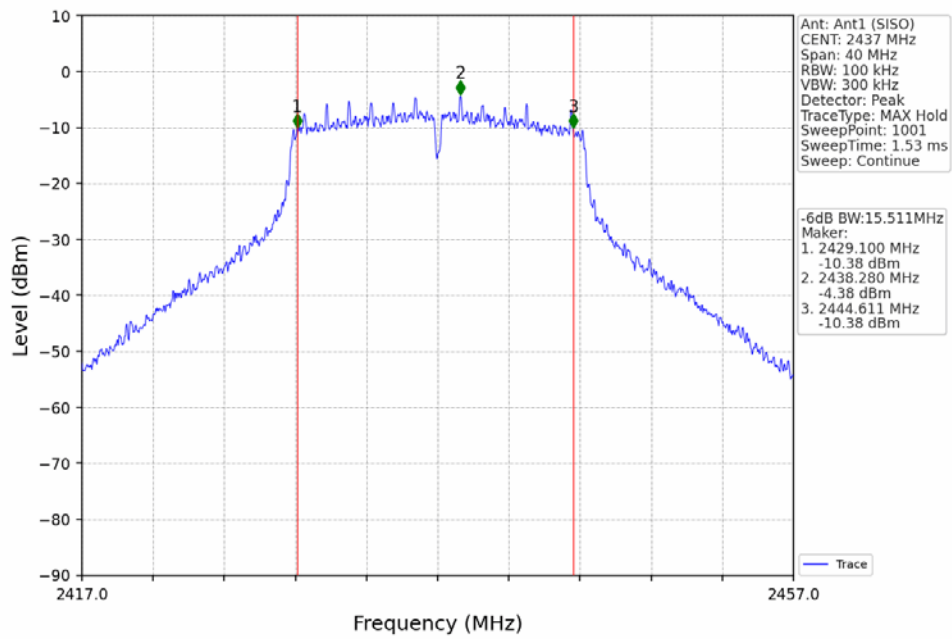
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



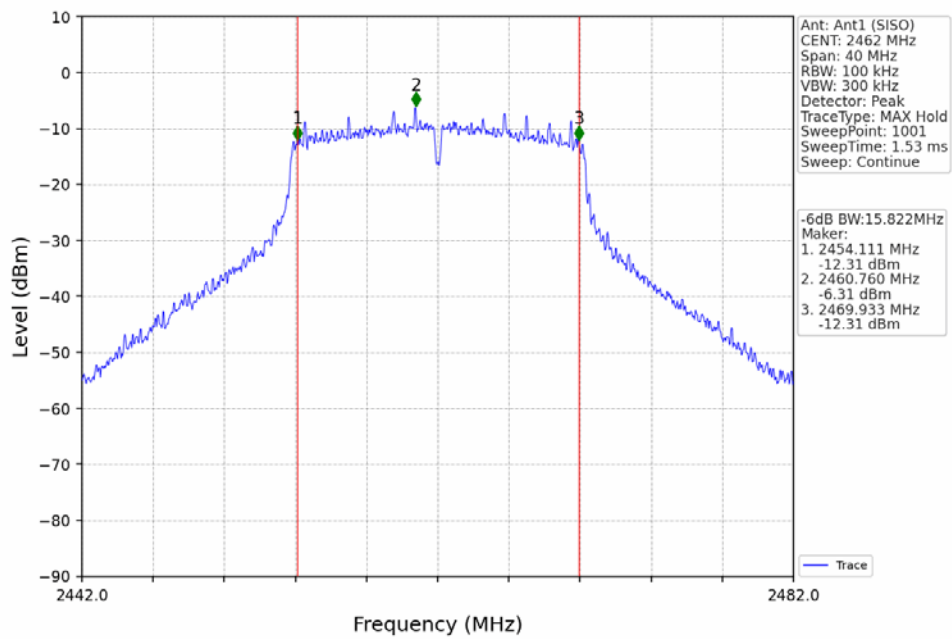
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



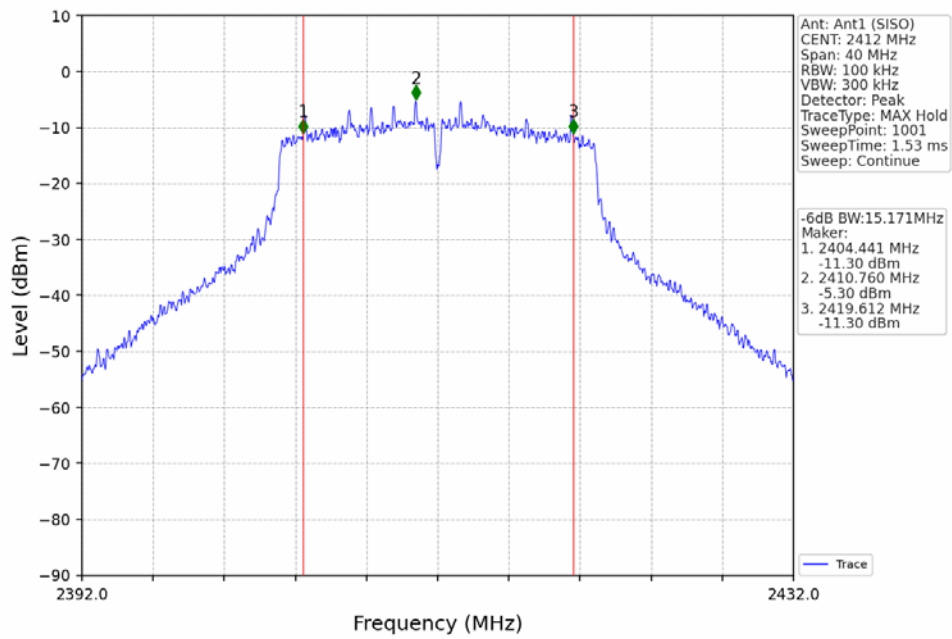
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



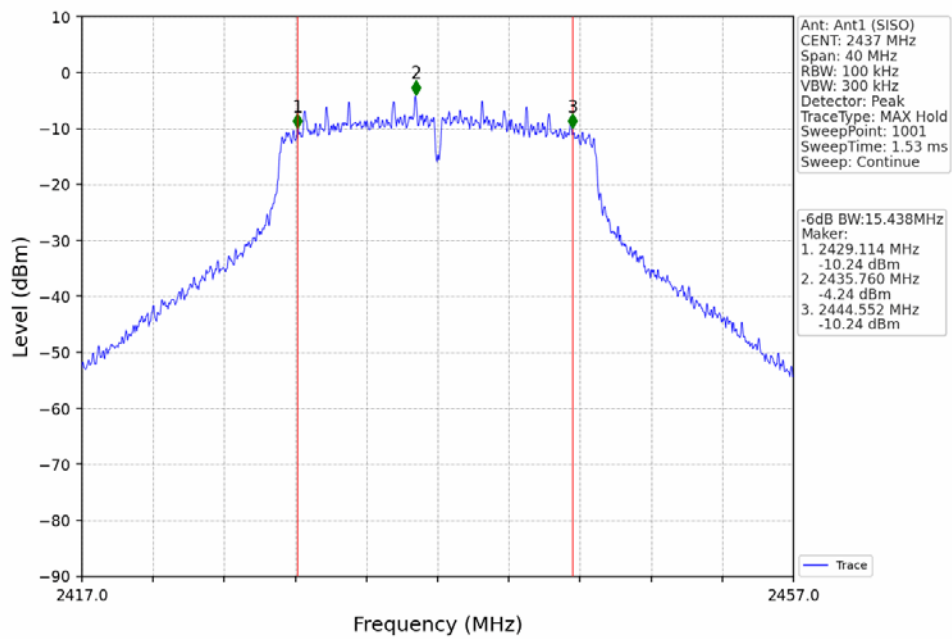
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



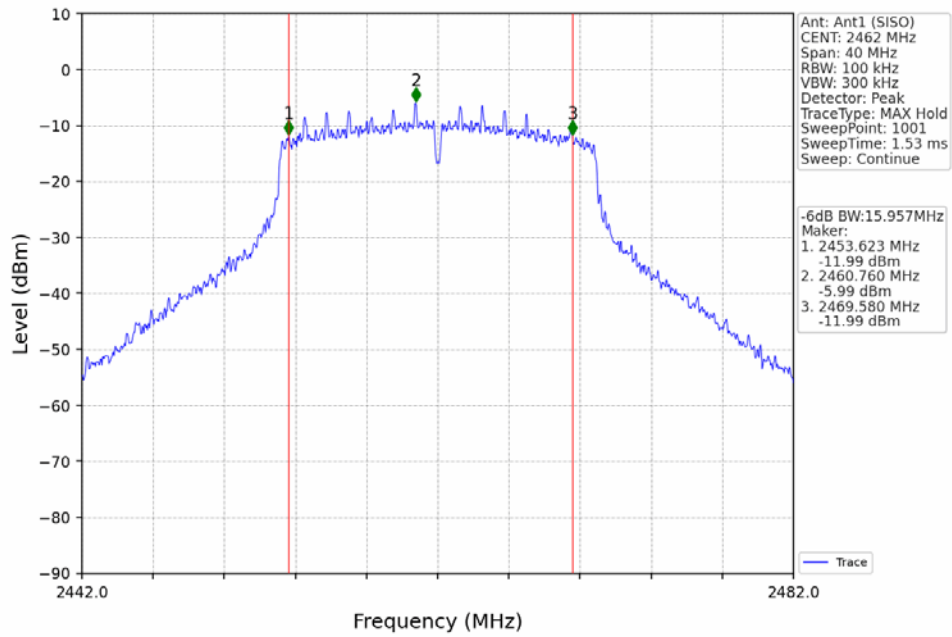
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



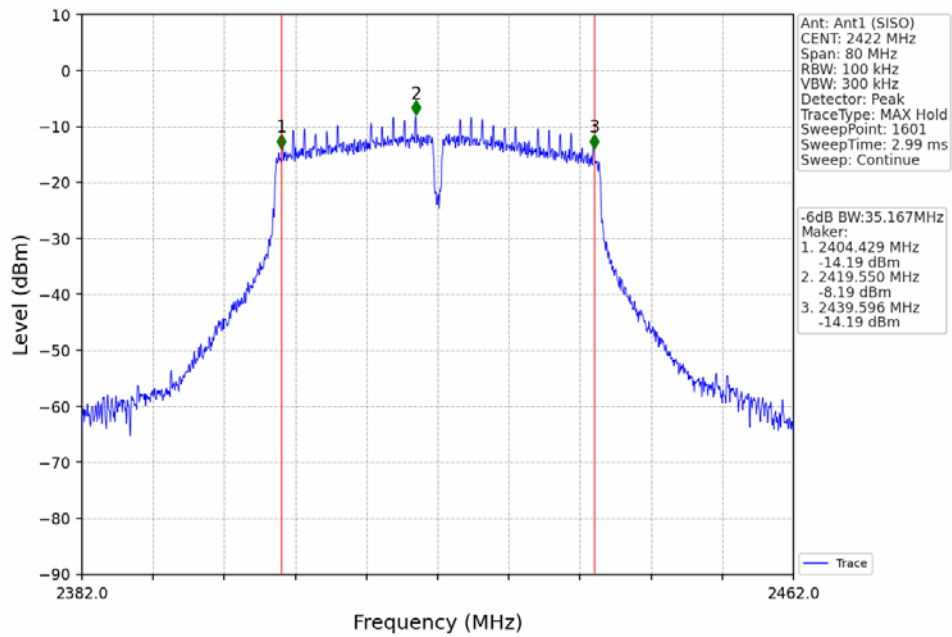
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



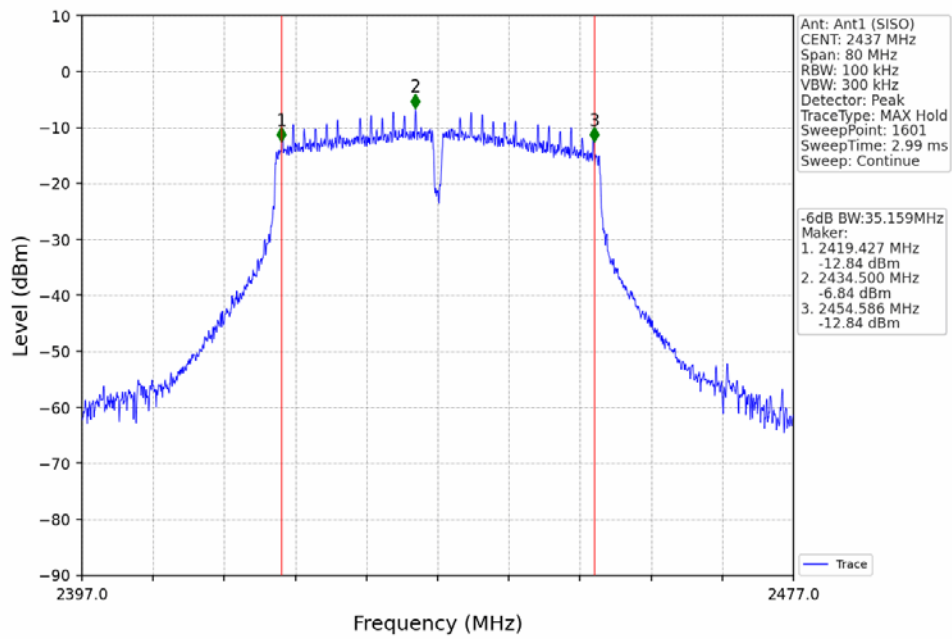
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



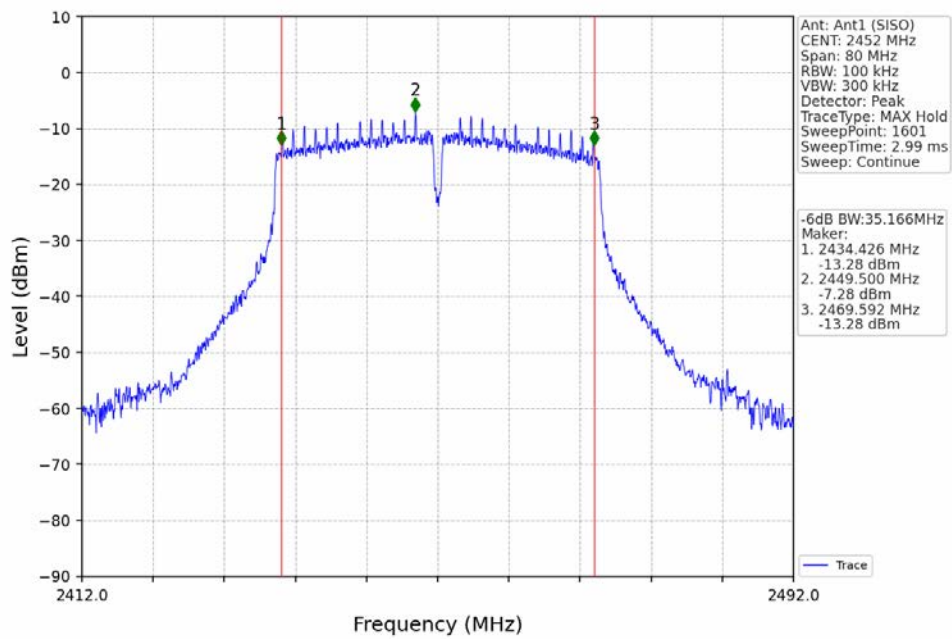
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



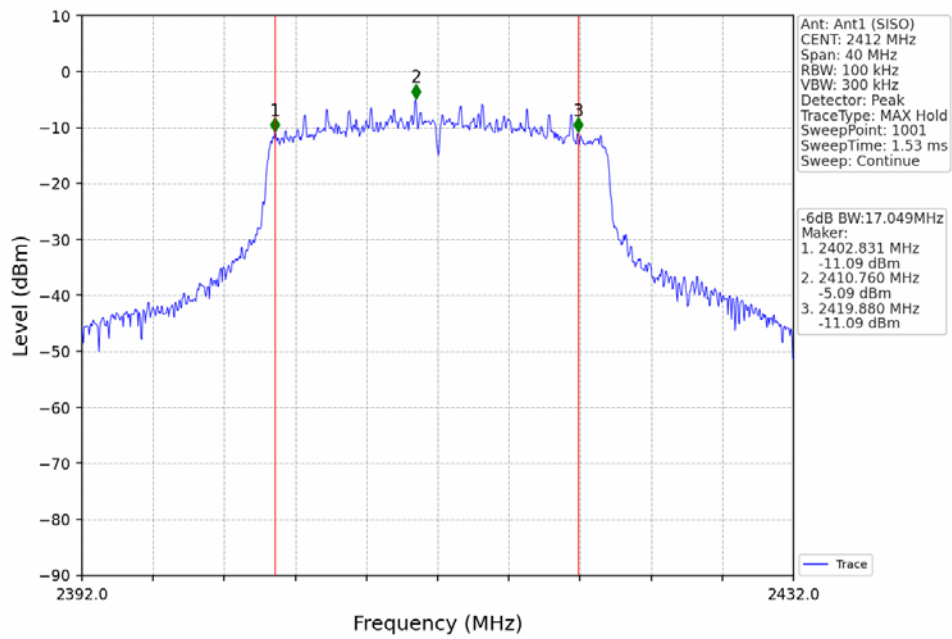
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



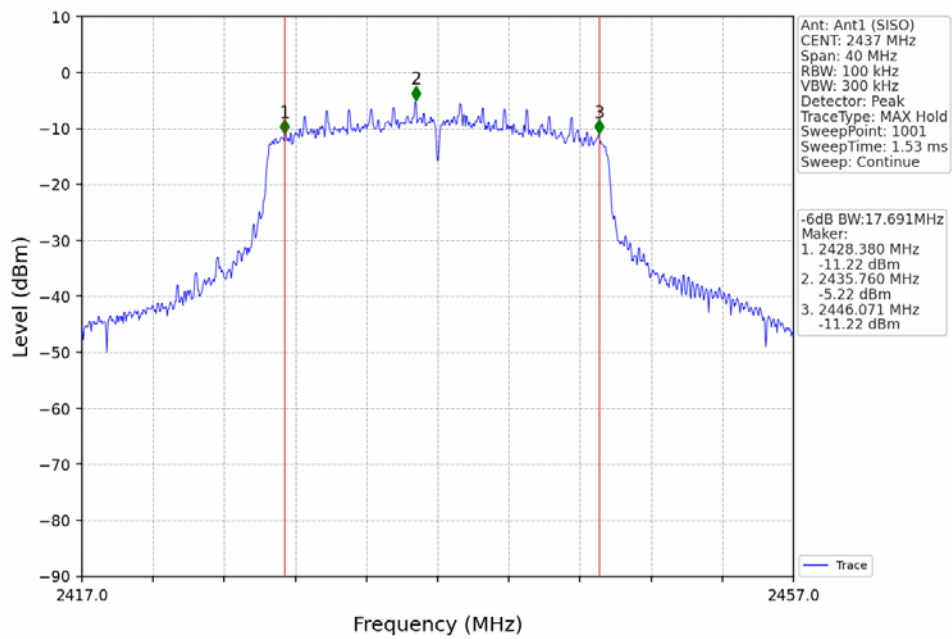
802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



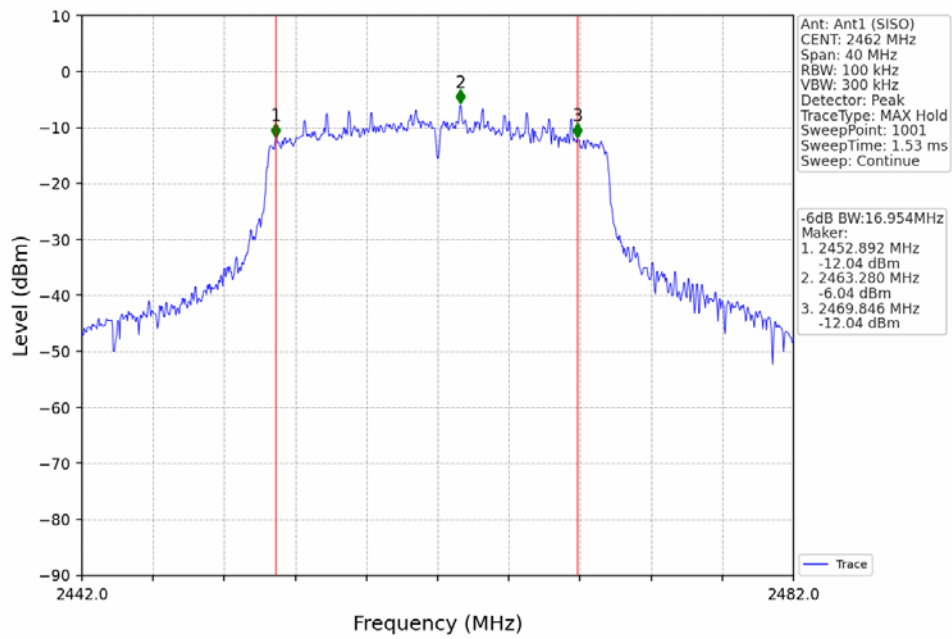
802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (SISO)\_NTNV



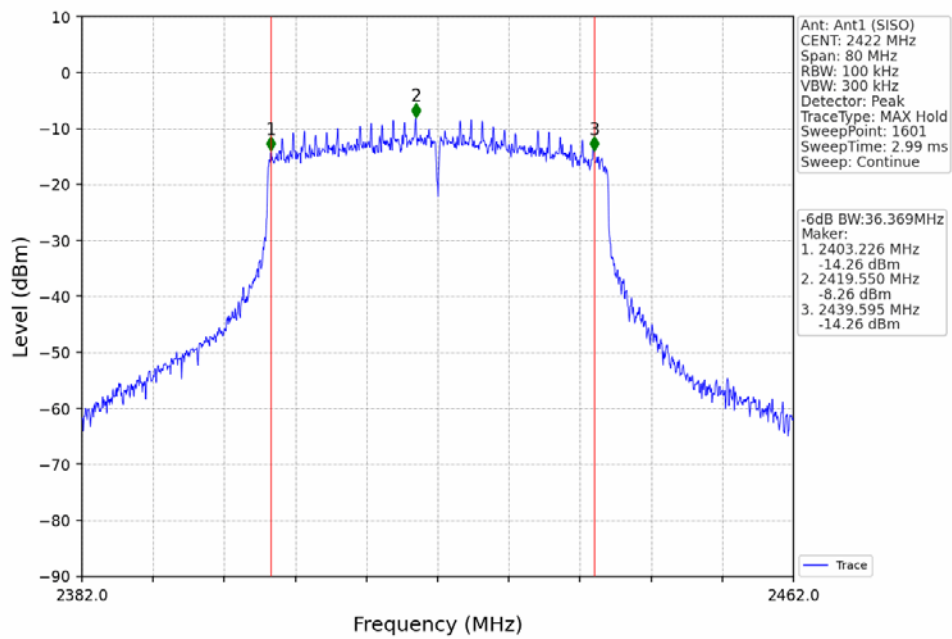
802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant1 (SISO)\_NTNV



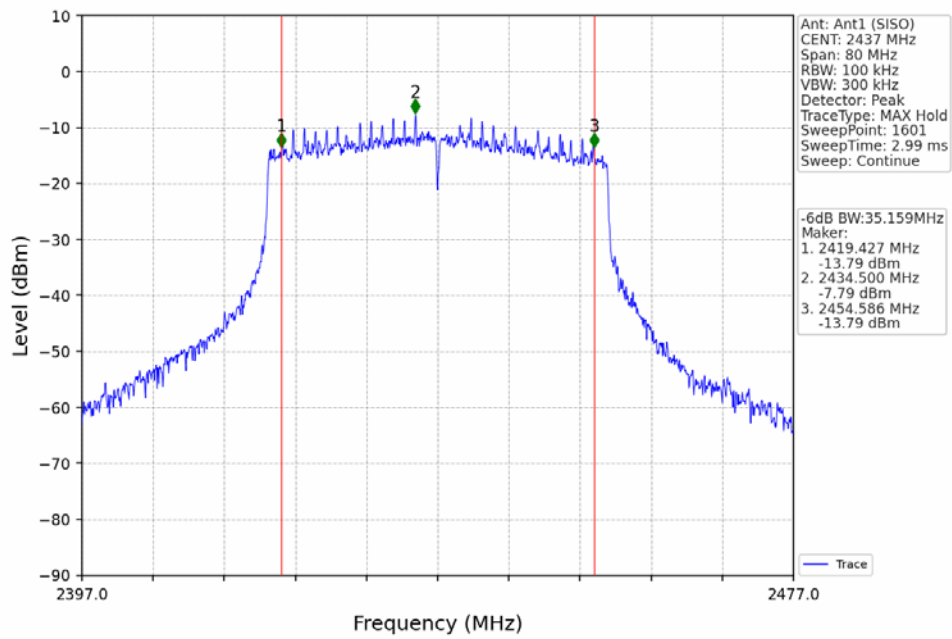
802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant1 (SISO)\_NTNV



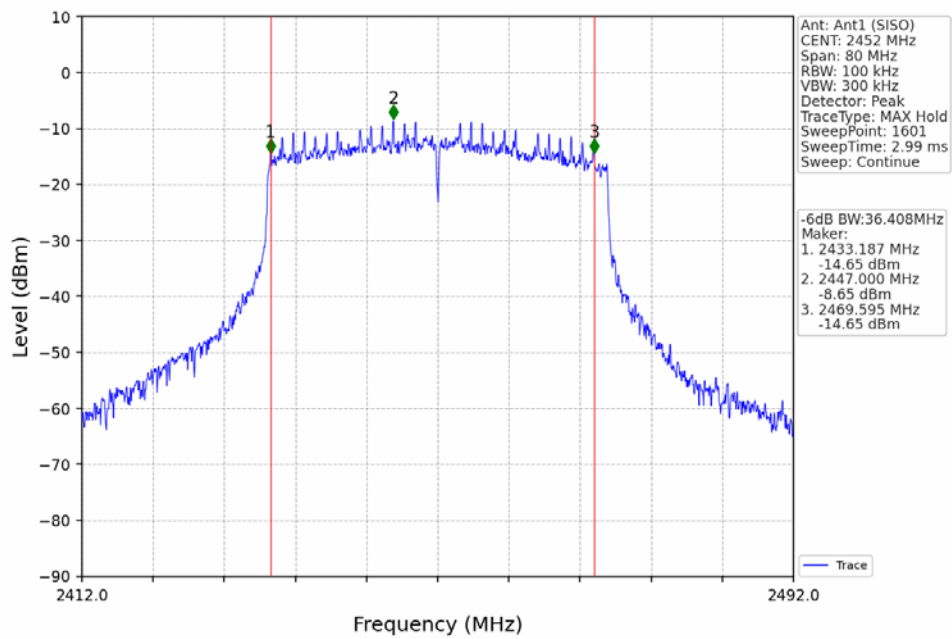
802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant1 (SISO)\_NTNV



802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant1 (SISO)\_NTNV



802.11ax(HEW40)\_HCH\_2452MHz\_RU484\_Left\_Ant1 (SISO)\_NTNV



### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-------------------------------------------|-------|---------|
|                  |         |                 |       |        | ANT1                                      | Limit |         |
| 802.11b          | SISO    | 2412            | /     | /      | 11.45                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 10.76                                     | <=30  | Pass    |
|                  |         | 2462            | /     | /      | 11.83                                     | <=30  | Pass    |
| 802.11g          | SISO    | 2412            | /     | /      | 13.14                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | <b>13.93</b>                              | <=30  | Pass    |
|                  |         | 2462            | /     | /      | 12.41                                     | <=30  | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | 12.73                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 13.73                                     | <=30  | Pass    |
|                  |         | 2462            | /     | /      | 12.01                                     | <=30  | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | 12.53                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 13.93                                     | <=30  | Pass    |
|                  |         | 2452            | /     | /      | 13.36                                     | <=30  | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | RU242 | Left   | 13.74                                     | <=30  | Pass    |
|                  |         | 2437            | RU242 | Left   | 13.91                                     | <=30  | Pass    |
|                  |         | 2462            | RU242 | Left   | 12.86                                     | <=30  | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | RU484 | Left   | 13.15                                     | <=30  | Pass    |
|                  |         | 2437            | RU484 | Left   | 13.74                                     | <=30  | Pass    |
|                  |         | 2452            | RU484 | Left   | 13.18                                     | <=30  | Pass    |

Note1: Antenna Gain: Ant1: 1.98dBi;

## 4. Maximum Power Spectral Density

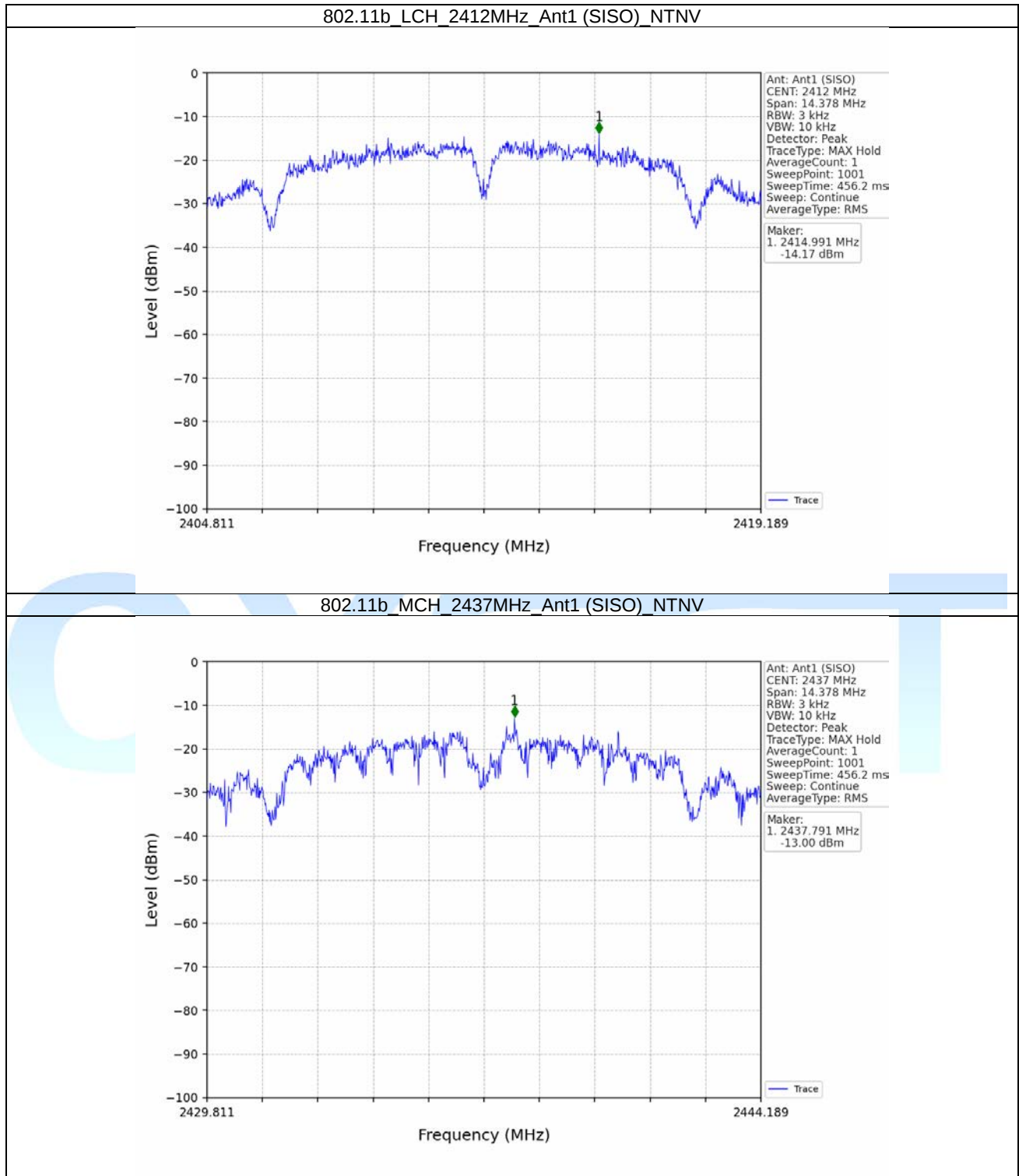
### 4.1 PSD

#### 4.1.1 Test Result

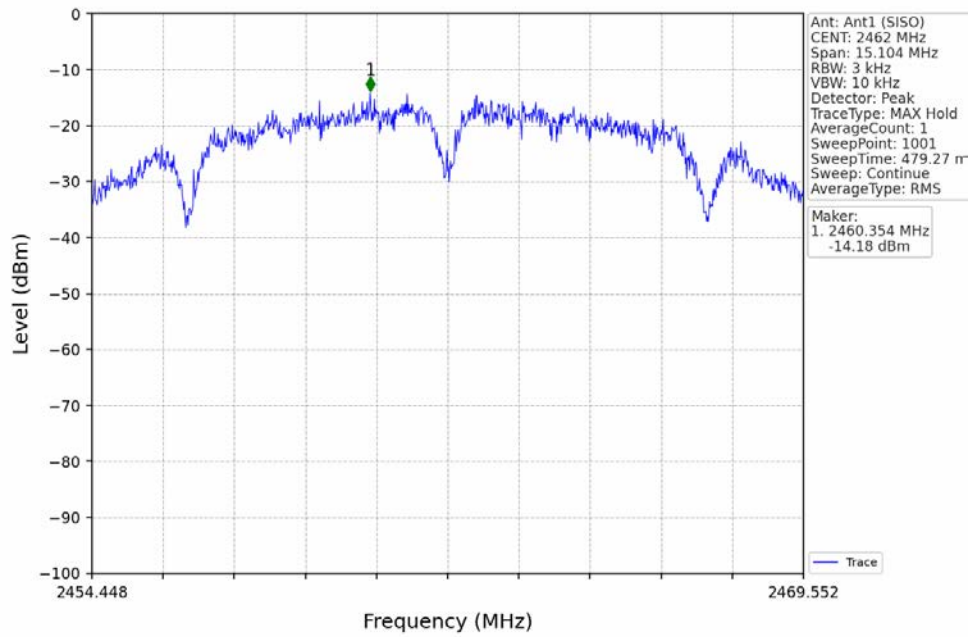
| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum PSD (dBm/3kHz) |       | Verdict |
|------------------|---------|-----------------|-------|--------|------------------------|-------|---------|
|                  |         |                 |       |        | ANT1                   | Limit |         |
| 802.11b          | SISO    | 2412            | /     | /      | -14.17                 | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -13.00                 | <=8   | Pass    |
|                  |         | 2462            | /     | /      | -14.18                 | <=8   | Pass    |
| 802.11g          | SISO    | 2412            | /     | /      | -20.38                 | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -19.28                 | <=8   | Pass    |
|                  |         | 2462            | /     | /      | -20.36                 | <=8   | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | -19.56                 | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -20.22                 | <=8   | Pass    |
|                  |         | 2462            | /     | /      | -21.18                 | <=8   | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | -23.58                 | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -21.35                 | <=8   | Pass    |
|                  |         | 2452            | /     | /      | -23.44                 | <=8   | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | RU242 | Left   | -20.37                 | <=8   | Pass    |
|                  |         | 2437            | RU242 | Left   | -20.85                 | <=8   | Pass    |
|                  |         | 2462            | RU242 | Left   | -22.50                 | <=8   | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | RU484 | Left   | -24.79                 | <=8   | Pass    |
|                  |         | 2437            | RU484 | Left   | -23.45                 | <=8   | Pass    |
|                  |         | 2452            | RU484 | Left   | -24.97                 | <=8   | Pass    |

Note1: Antenna Gain: Ant1: 1.98dBi;

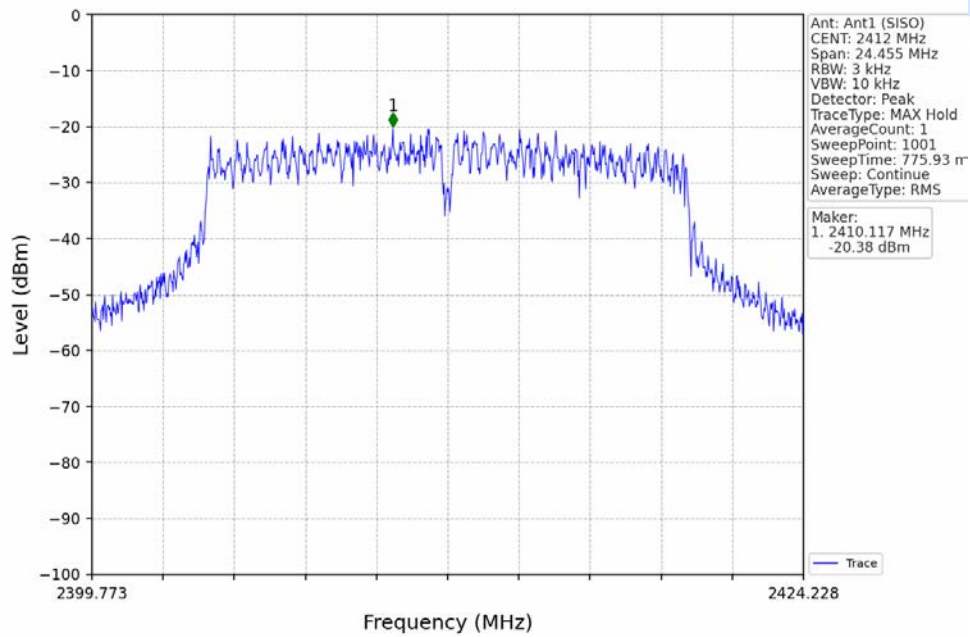
## 4.1.2 Test Graph



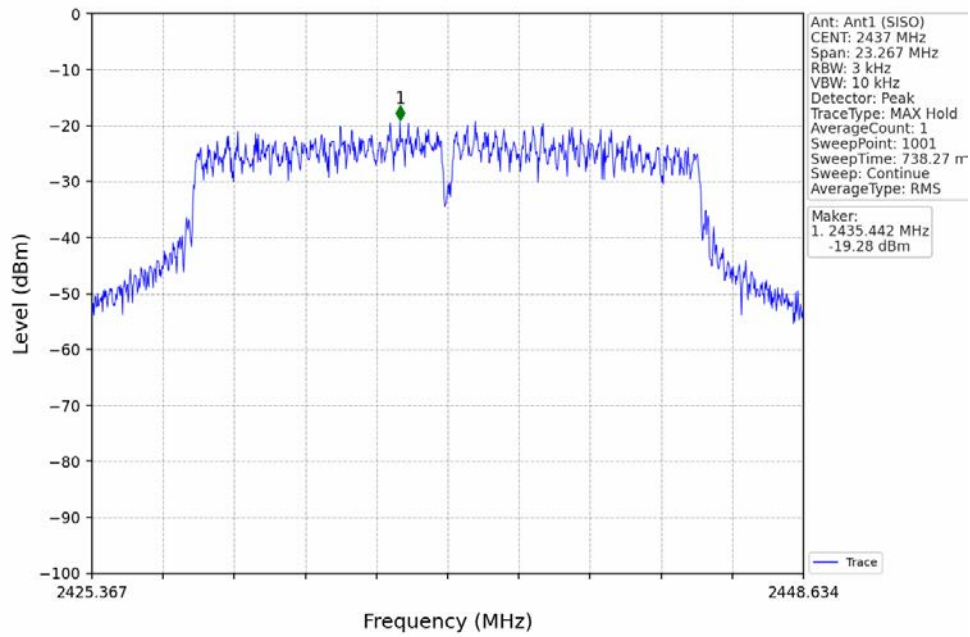
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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



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

