

## **Appendix RF Test Data for 2.4G WIFI**

**Company:** : Dongguan Xixi Trading Co., Ltd

**EUT** : Mini pc case

**FCC ID:** : 2BT53-X2

**Model Number** : X2

**Report No.** : HTT202512770F01

**Reviewed By** : Heber He

## 1. Duty Cycle

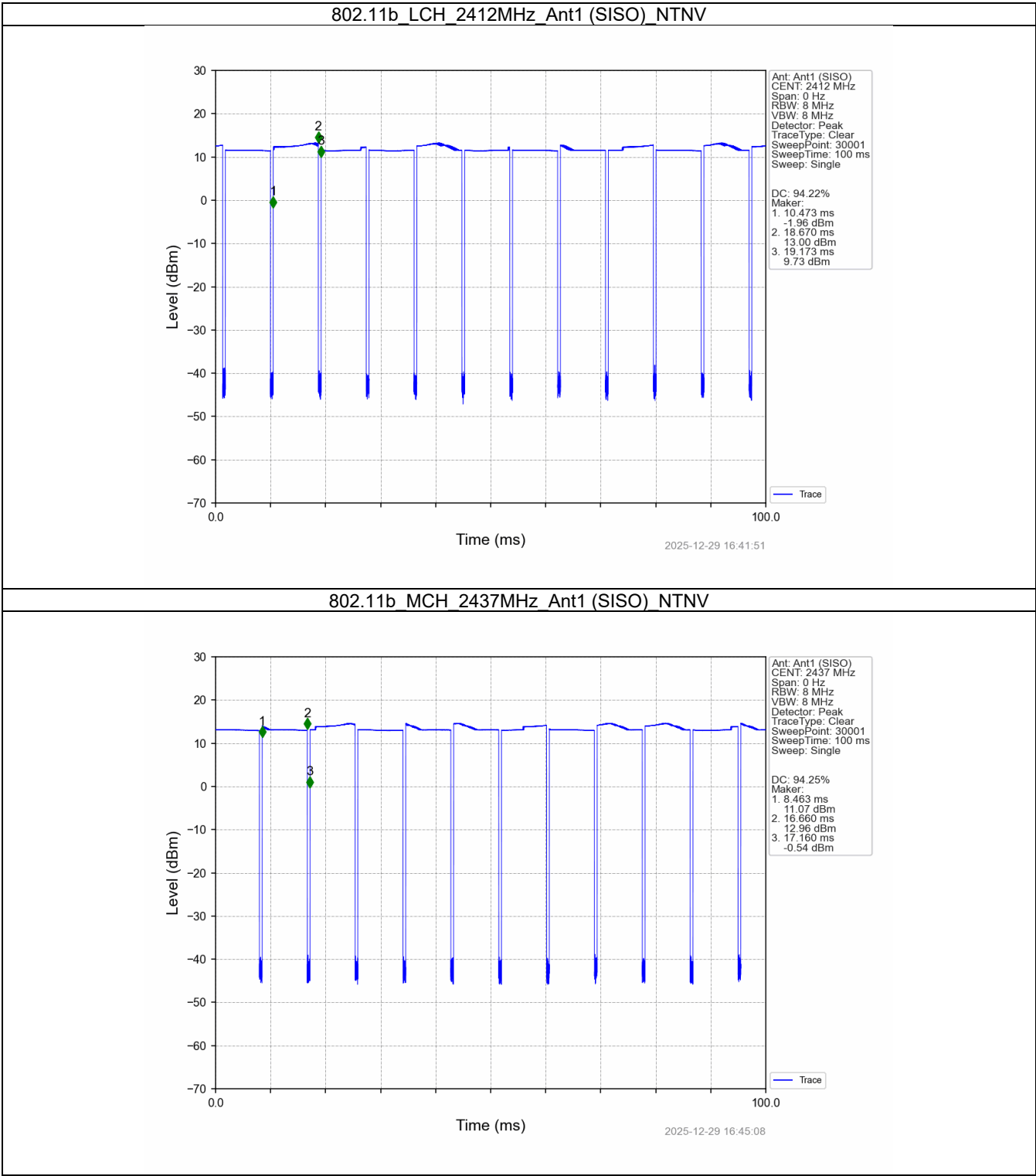
### 1.1 Test Result

#### 1.1.1 Ant1

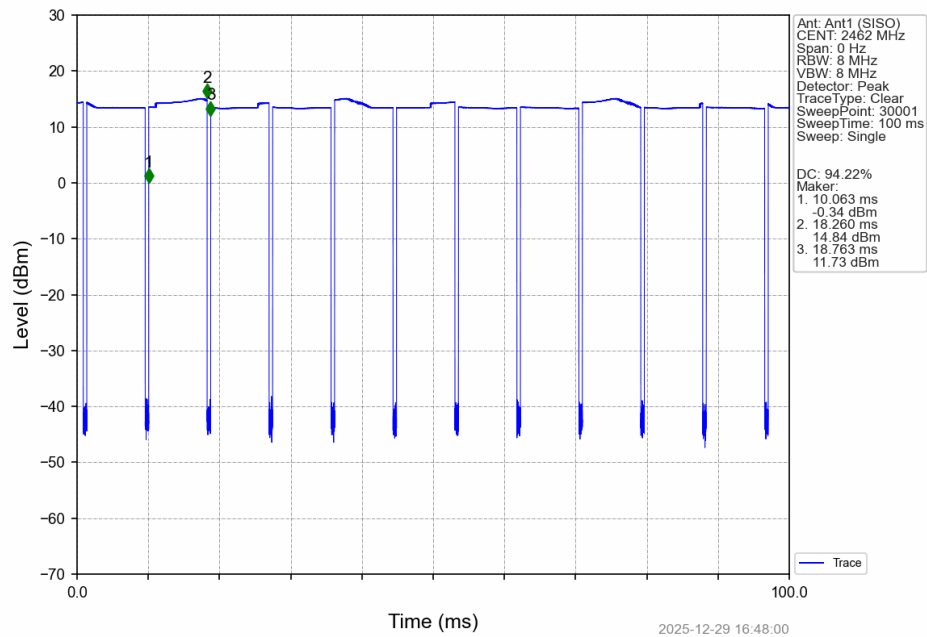
| Ant1           |         |                 |           |             |                |                                   |                       |
|----------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b        | SISO    | 2412            | 8.197     | 8.700       | 94.22          | 0.26                              | 0.04                  |
|                |         | 2437            | 8.197     | 8.697       | 94.25          | 0.26                              | 0.00                  |
|                |         | 2462            | 8.197     | 8.700       | 94.22          | 0.26                              | 0.04                  |
| 802.11g        | SISO    | 2412            | 1.362     | 1.863       | 73.11          | 1.36                              | 0.03                  |
|                |         | 2437            | 1.362     | 1.863       | 73.11          | 1.36                              | 0.03                  |
|                |         | 2462            | 1.362     | 1.863       | 73.11          | 1.36                              | 0.03                  |
| 802.11n (HT20) | MIMO    | 2412            | 1.274     | 1.775       | 71.77          | 1.44                              | 0.02                  |
|                |         | 2437            | 1.274     | 1.775       | 71.77          | 1.44                              | 0.03                  |
|                |         | 2462            | 1.273     | 1.774       | 71.76          | 1.44                              | 0.02                  |
| 802.11n (HT40) | MIMO    | 2422            | 0.634     | 1.134       | 55.91          | 2.53                              | 0.03                  |
|                |         | 2437            | 0.634     | 1.135       | 55.86          | 2.53                              | 0.03                  |
|                |         | 2452            | 0.634     | 1.134       | 55.91          | 2.53                              | 0.03                  |

# 1.2 Test Graph

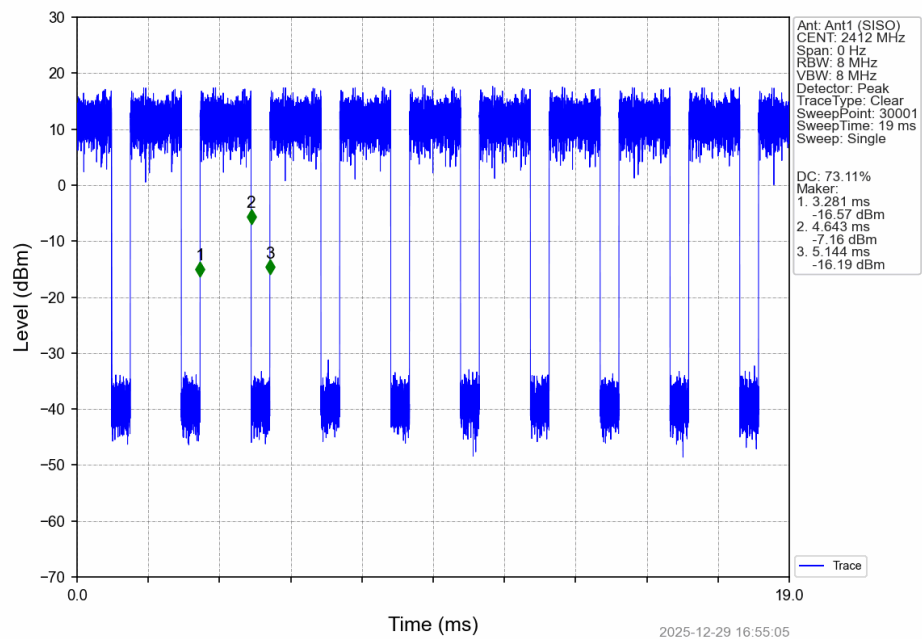
## 1.2.1 Ant1



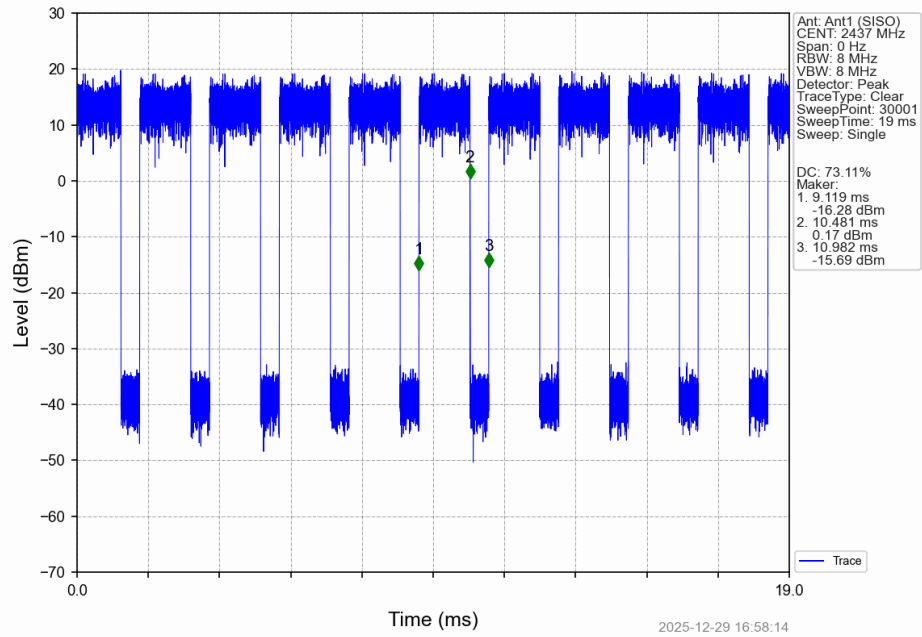
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



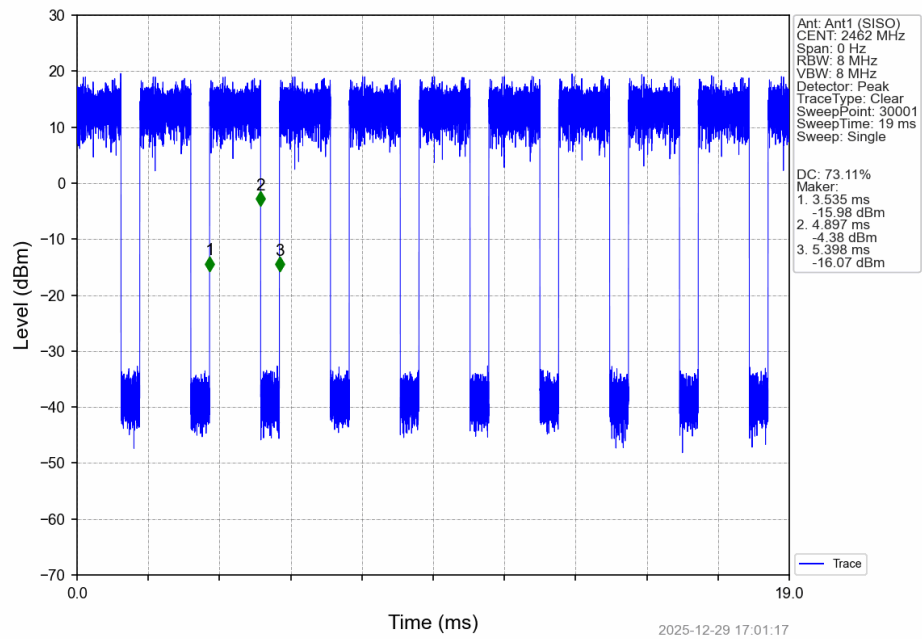
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



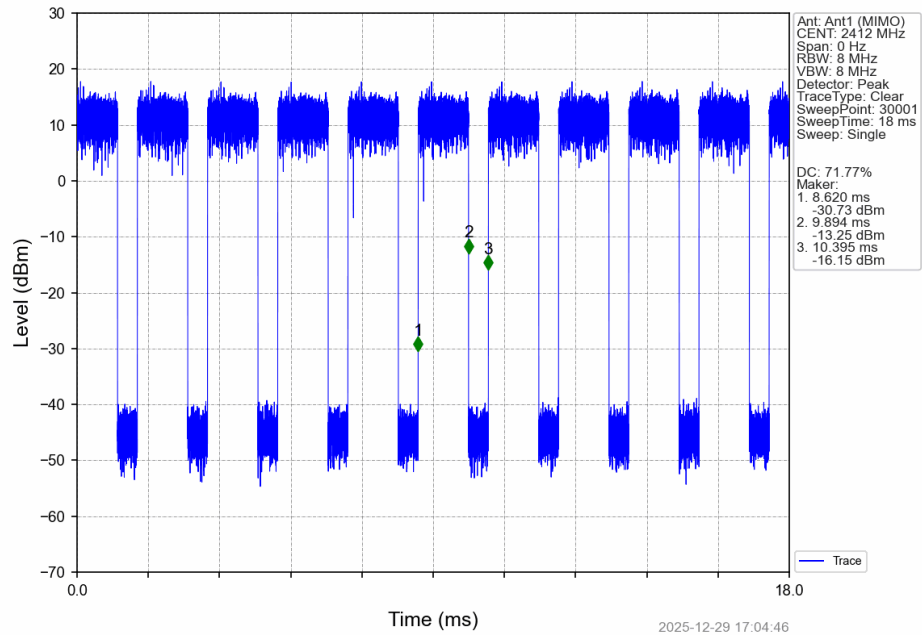
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



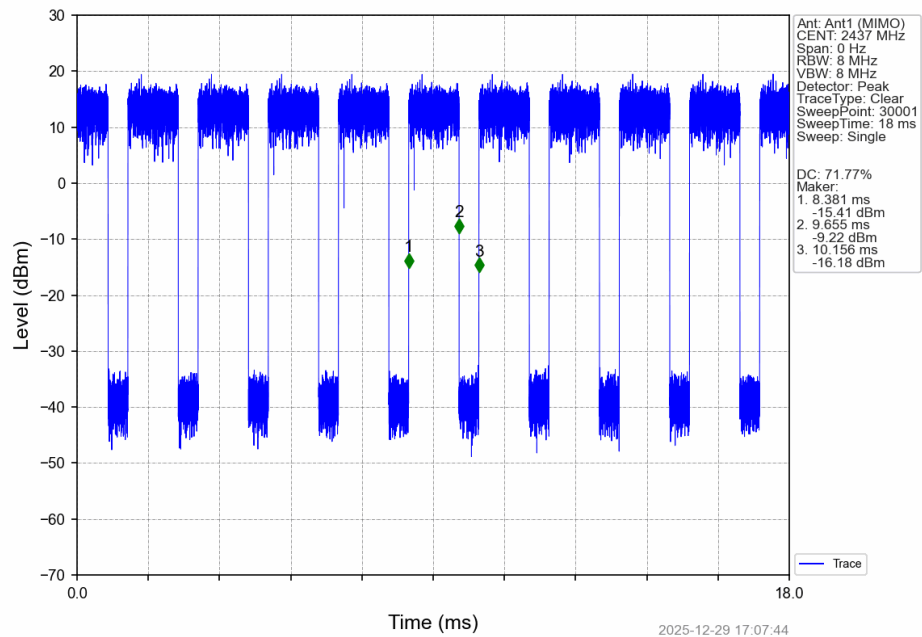
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



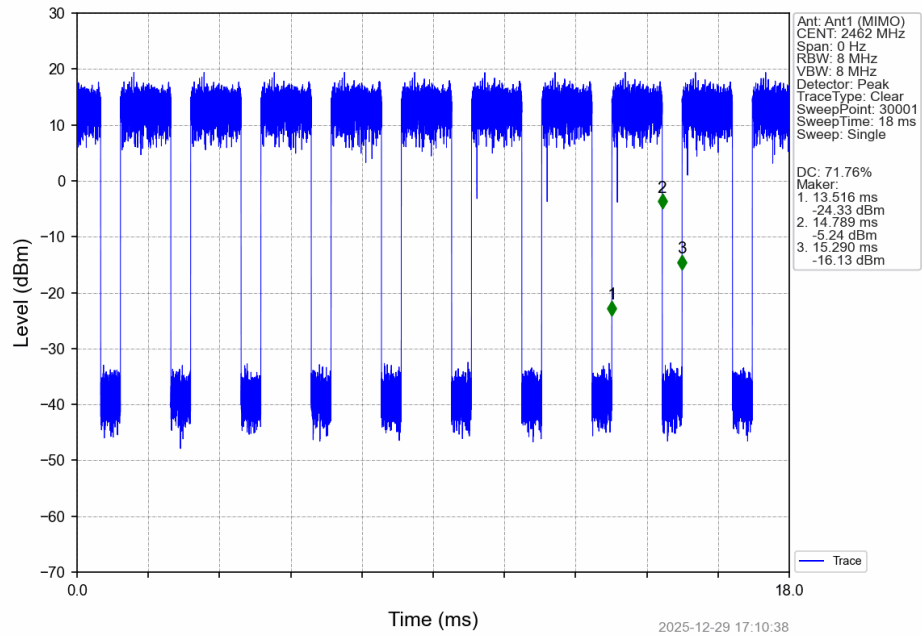
# 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



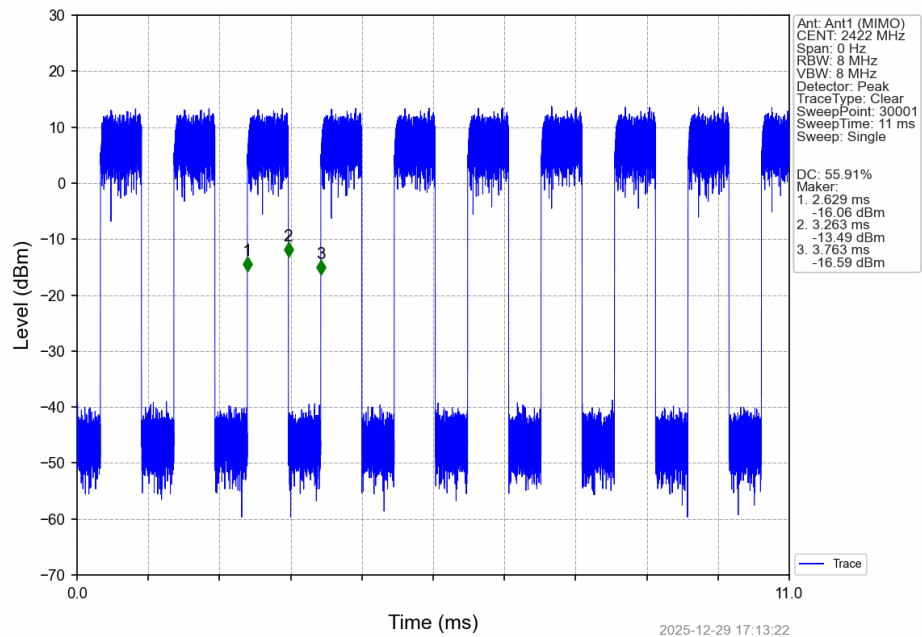
# 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



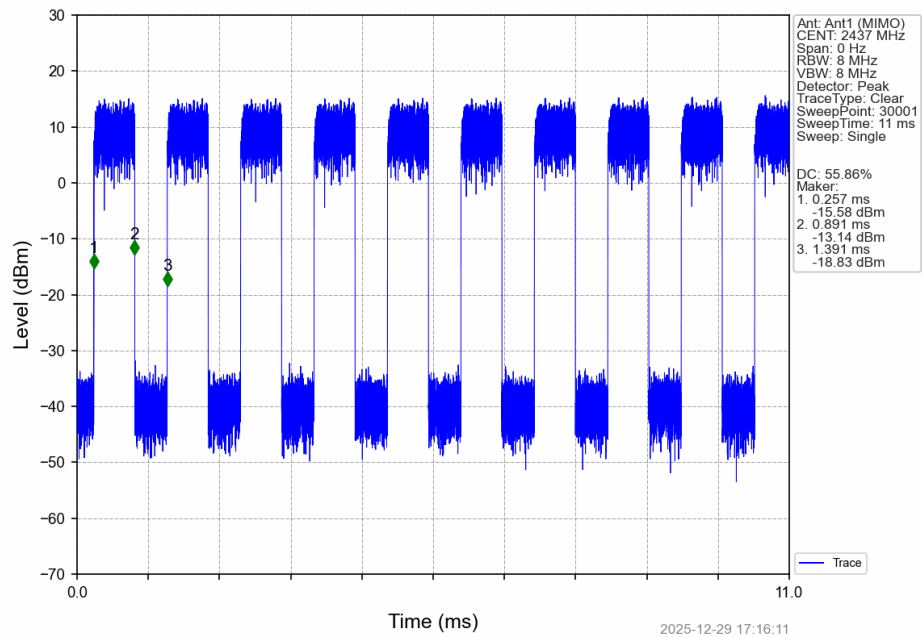
### 802.11n(HT20) HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



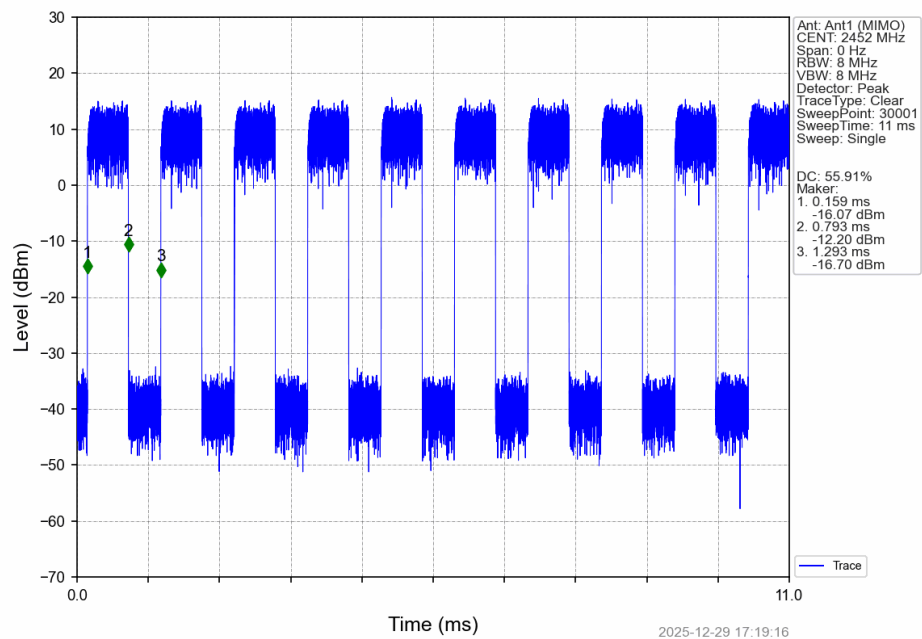
### 802.11n(HT40) LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



# 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



# 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_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   | 14.640                       | /     | Pass    |
|                |         |                 | 2   | 14.573                       | /     | Pass    |
|                |         | 2437            | 1   | 14.617                       | /     | Pass    |
|                |         |                 | 2   | 14.627                       | /     | Pass    |
|                |         | 2462            | 1   | 14.681                       | /     | Pass    |
|                |         |                 | 2   | 14.628                       | /     | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 17.210                       | /     | Pass    |
|                |         |                 | 2   | 16.847                       | /     | Pass    |
|                |         | 2437            | 1   | 17.145                       | /     | Pass    |
|                |         |                 | 2   | 16.869                       | /     | Pass    |
|                |         | 2462            | 1   | 17.196                       | /     | Pass    |
|                |         |                 | 2   | 16.893                       | /     | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | 18.283                       | /     | Pass    |
|                |         |                 | 2   | 18.281                       | /     | Pass    |
|                |         | 2437            | 1   | 18.271                       | /     | Pass    |
|                |         |                 | 2   | 18.323                       | /     | Pass    |
|                |         | 2462            | 1   | 18.344                       | /     | Pass    |
|                |         |                 | 2   | 18.259                       | /     | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | 36.552                       | /     | Pass    |
|                |         |                 | 2   | 36.490                       | /     | Pass    |
|                |         | 2437            | 1   | 36.322                       | /     | Pass    |
|                |         |                 | 2   | 36.483                       | /     | Pass    |
|                |         | 2452            | 1   | 36.499                       | /     | Pass    |
|                |         |                 | 2   | 36.402                       | /     | Pass    |

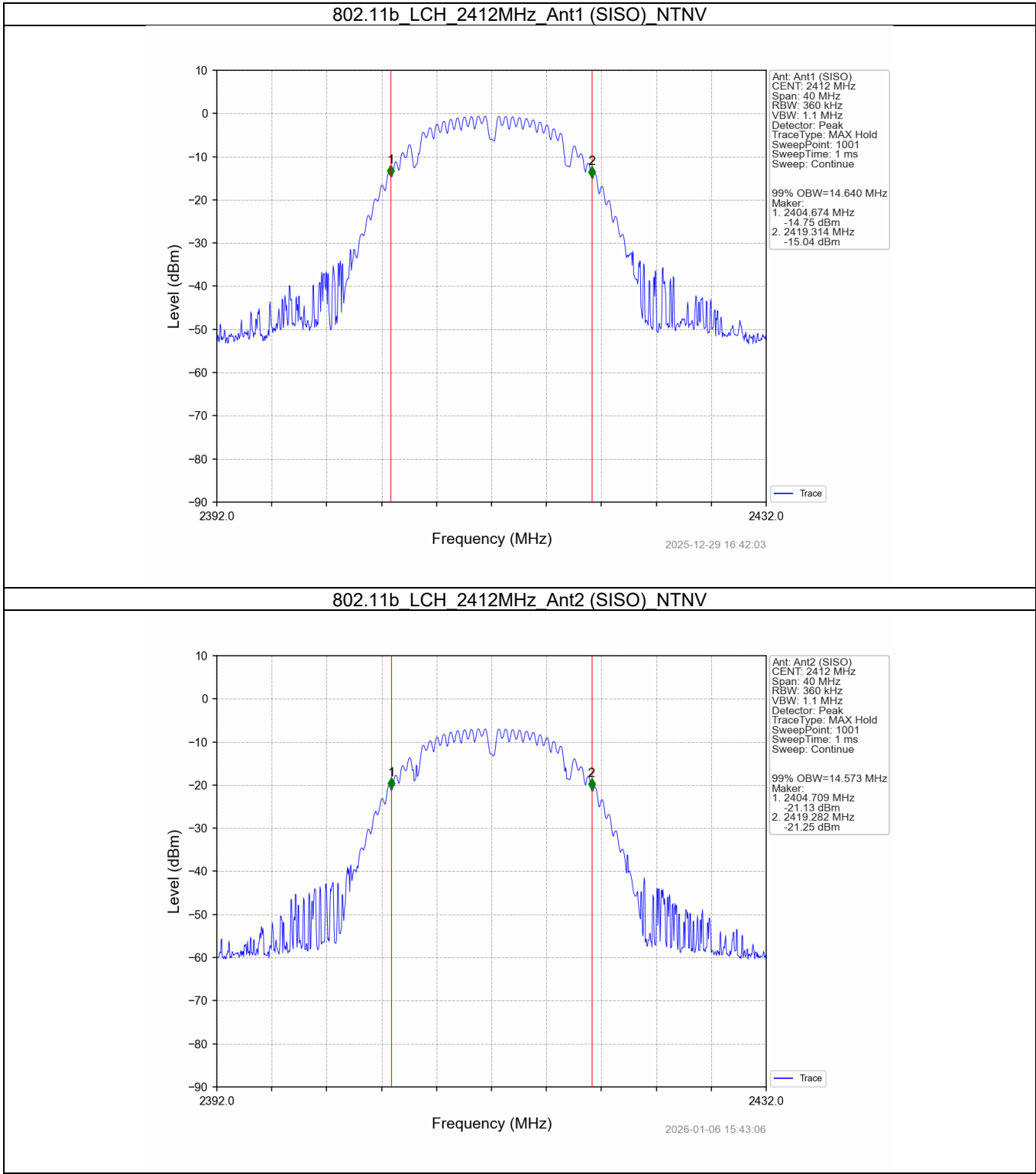
#### 2.1.2 6dB BW

| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 10.347              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 10.339              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 10.343              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 10.346              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 10.350              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 10.346              | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.331              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 16.319              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.355              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 16.448              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.375              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 16.339              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | 17.636              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 17.544              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 17.627              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 17.570              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 17.642              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 17.642              | $\geq 0.5$ | Pass    |

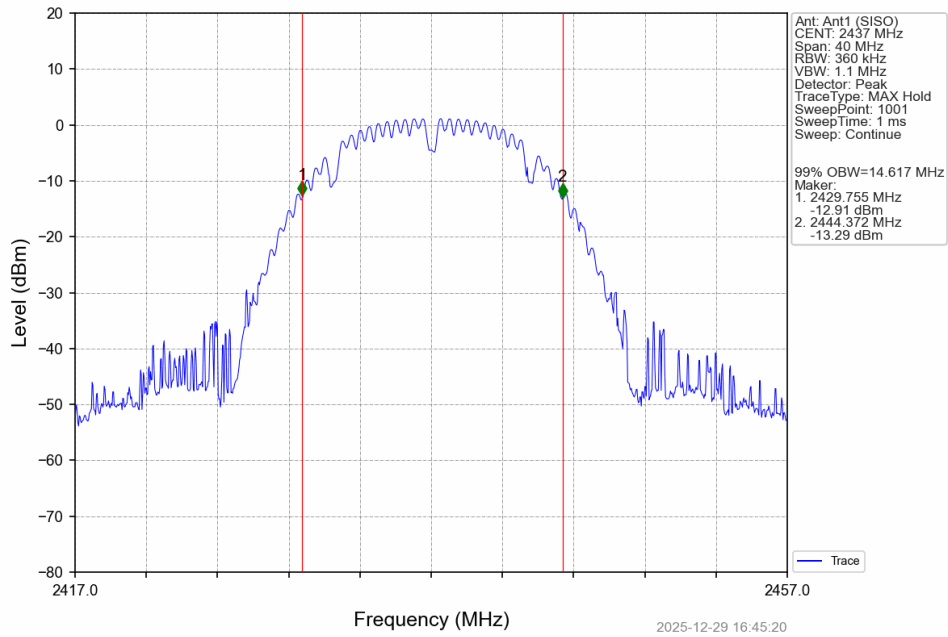
|                   |      |      |   |        |            |      |
|-------------------|------|------|---|--------|------------|------|
|                   |      |      | 2 | 17.630 | $\geq 0.5$ | Pass |
| 802.11n<br>(HT40) | MIMO | 2422 | 1 | 36.089 | $\geq 0.5$ | Pass |
|                   |      |      | 2 | 36.120 | $\geq 0.5$ | Pass |
|                   |      | 2437 | 1 | 35.907 | $\geq 0.5$ | Pass |
|                   |      |      | 2 | 36.320 | $\geq 0.5$ | Pass |
|                   |      | 2452 | 1 | 36.184 | $\geq 0.5$ | Pass |
|                   |      |      | 2 | 36.088 | $\geq 0.5$ | Pass |

2.2 Test Graph

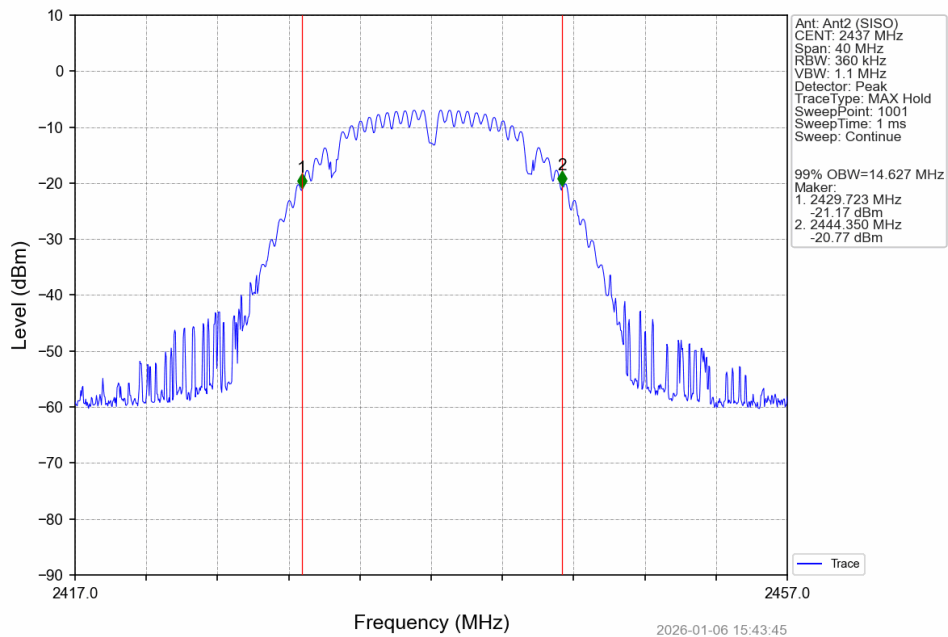
2.2.1 OBW



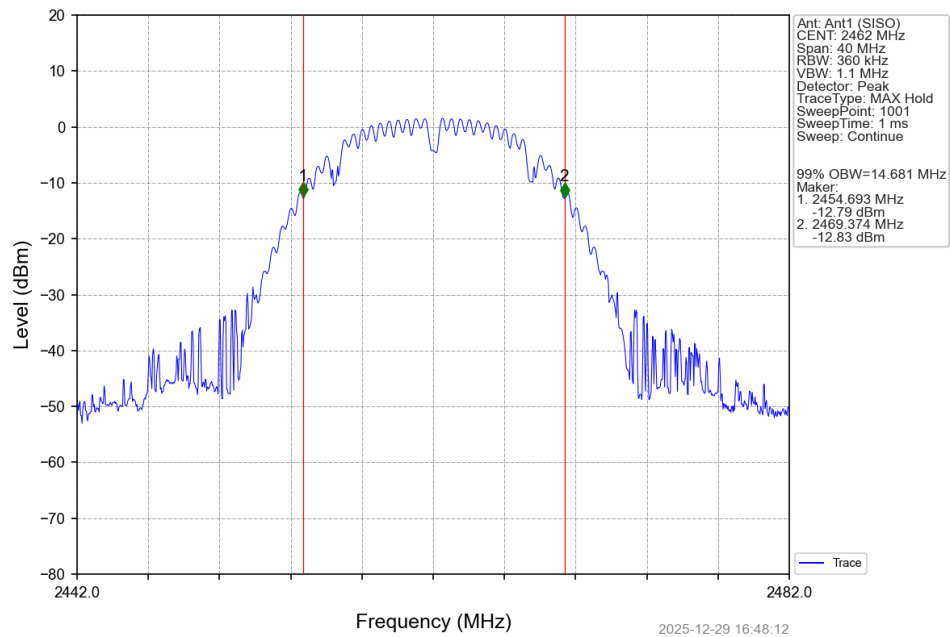
# 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



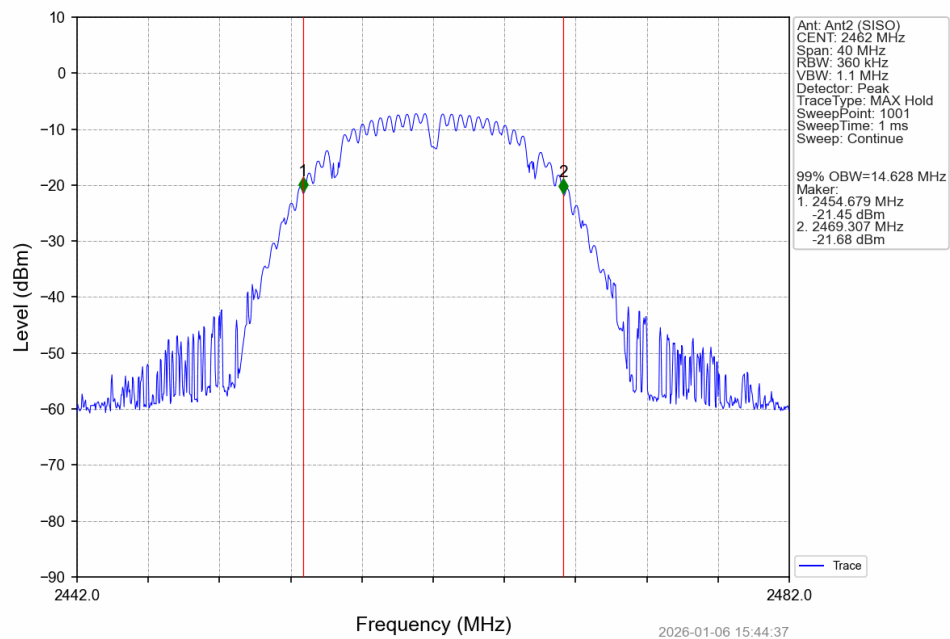
# 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



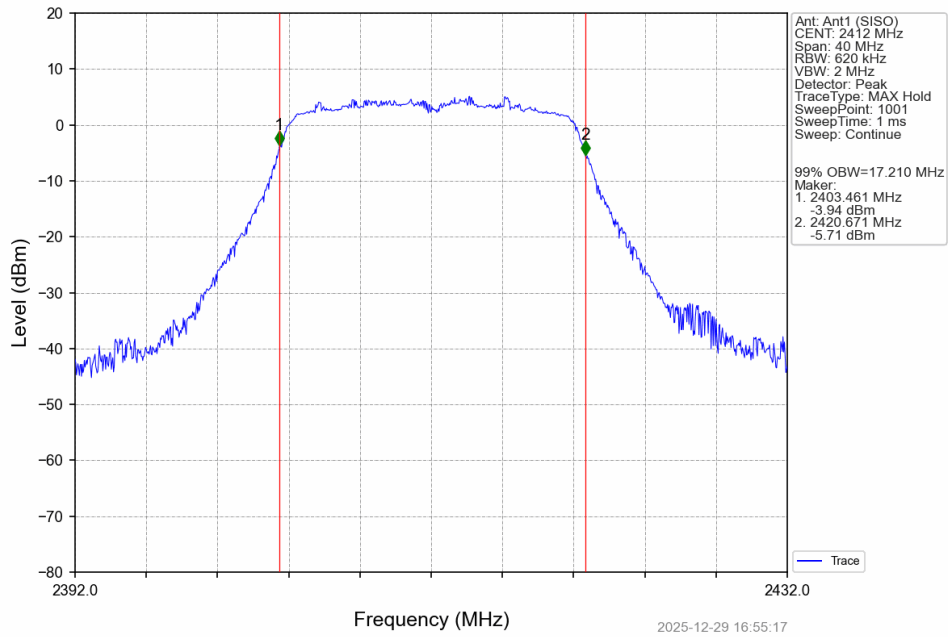
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



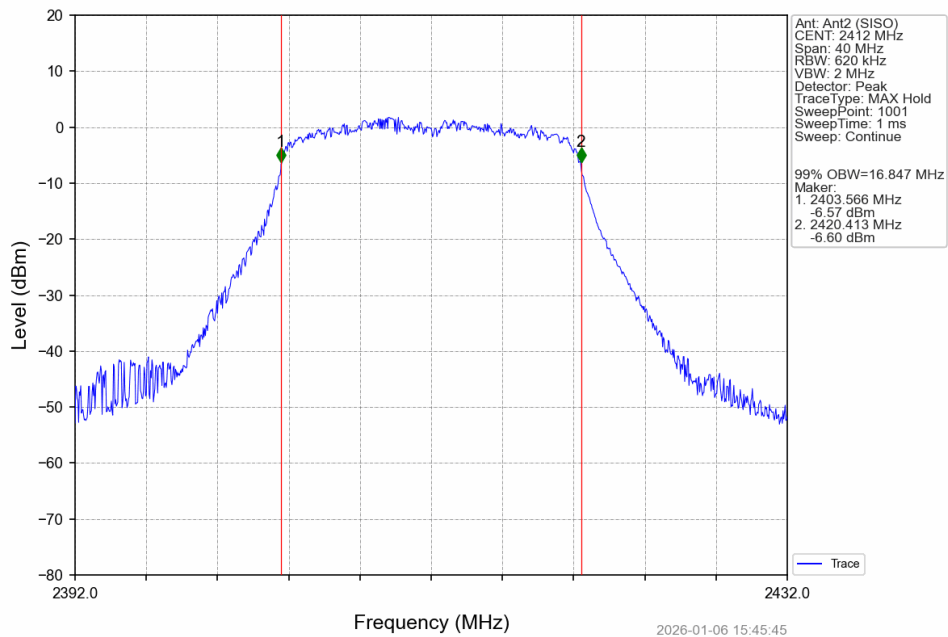
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



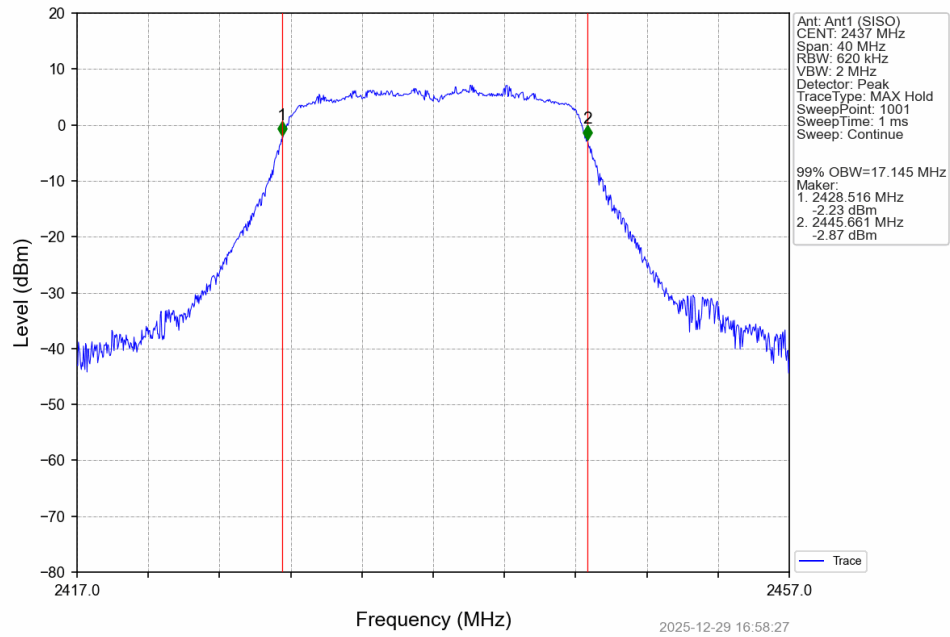
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



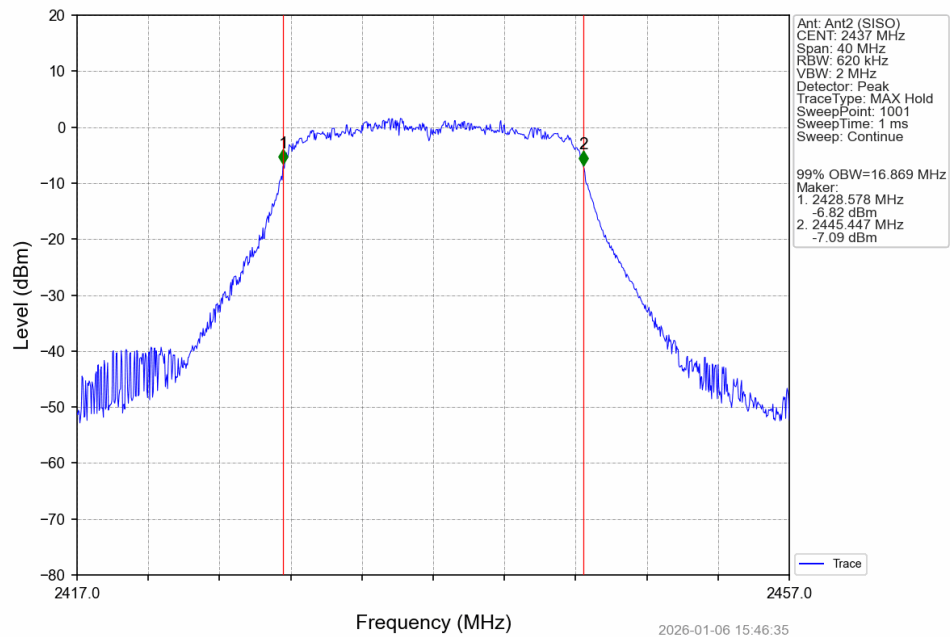
### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



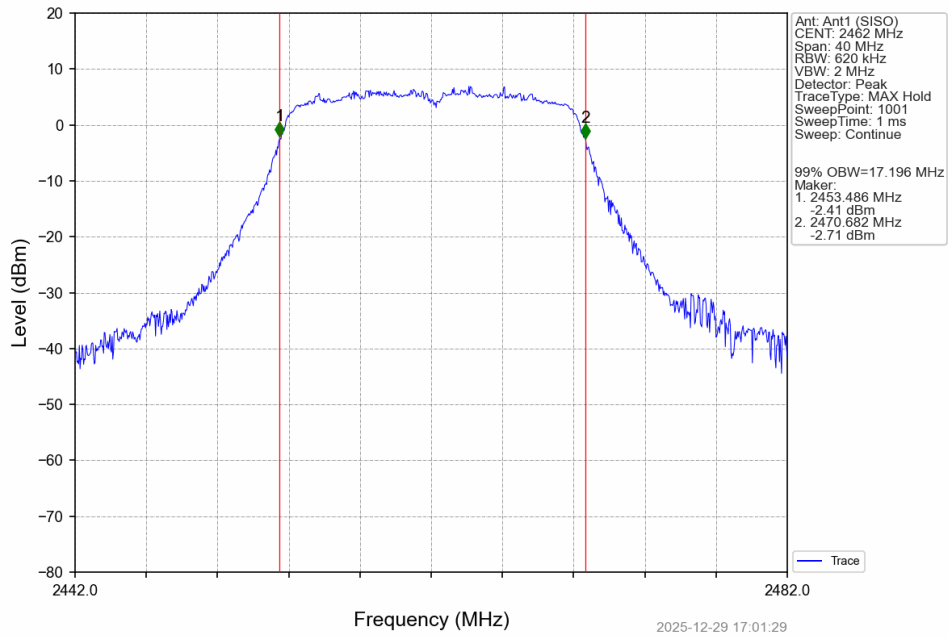
# 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



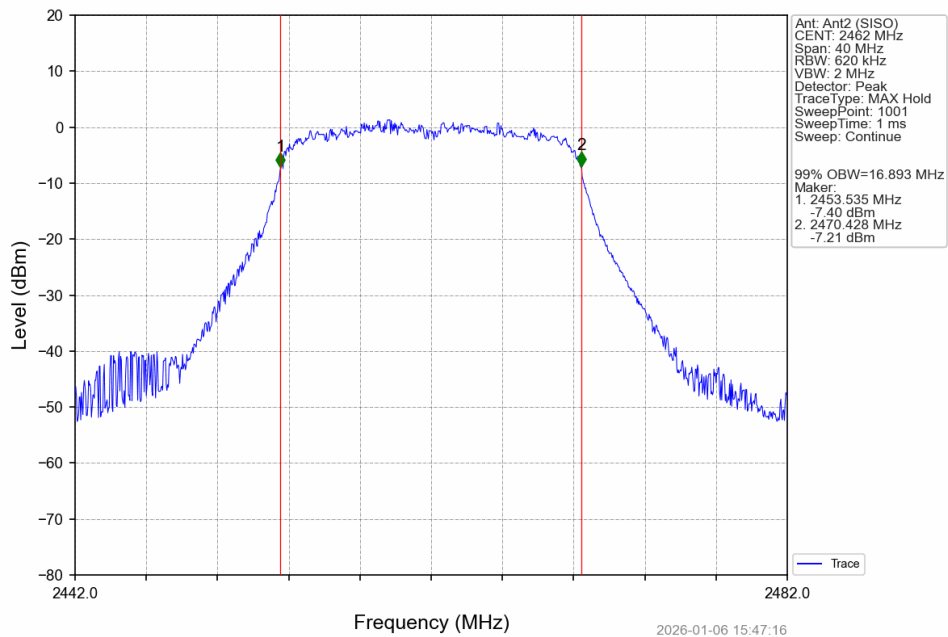
# 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



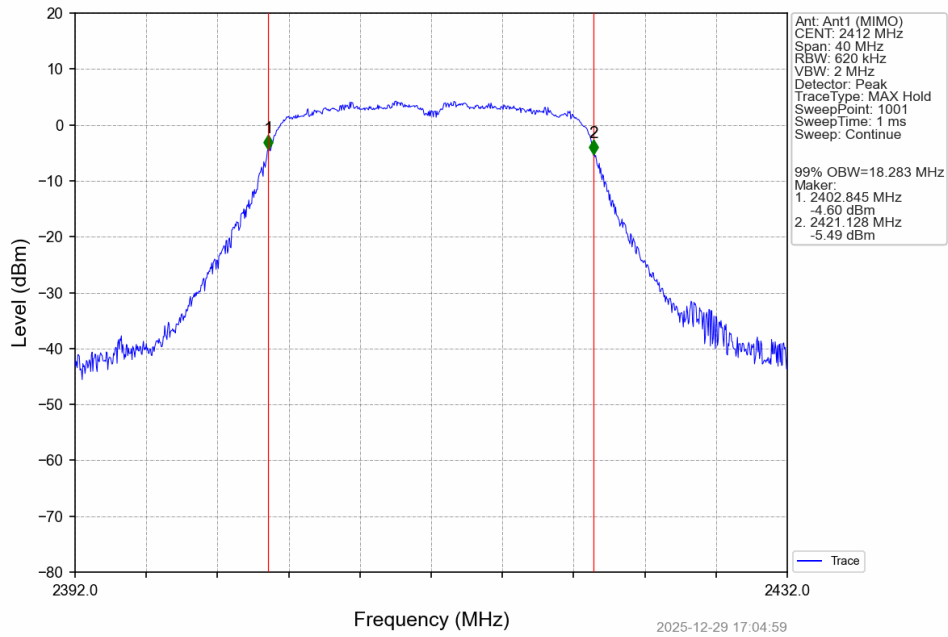
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



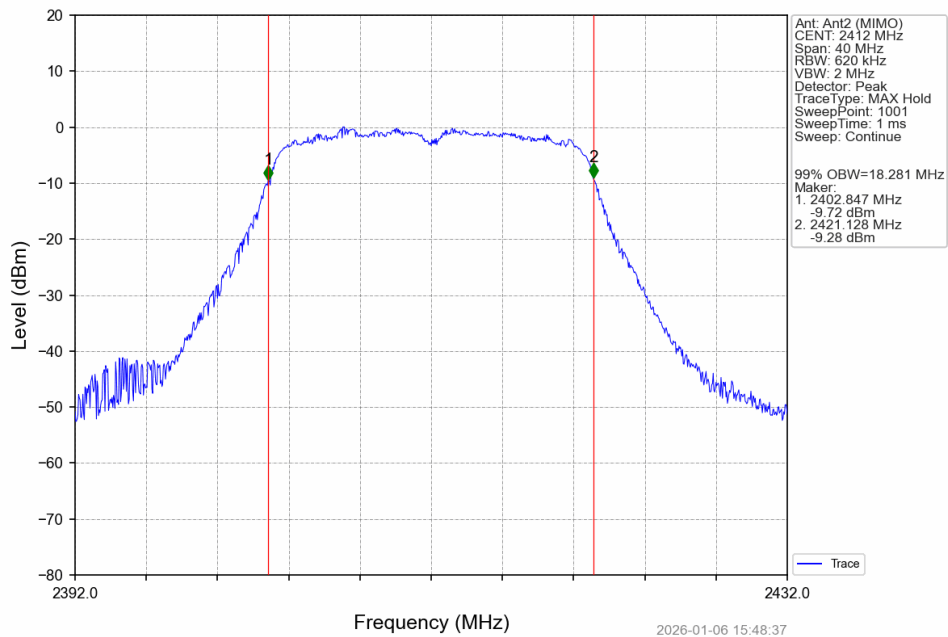
### 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



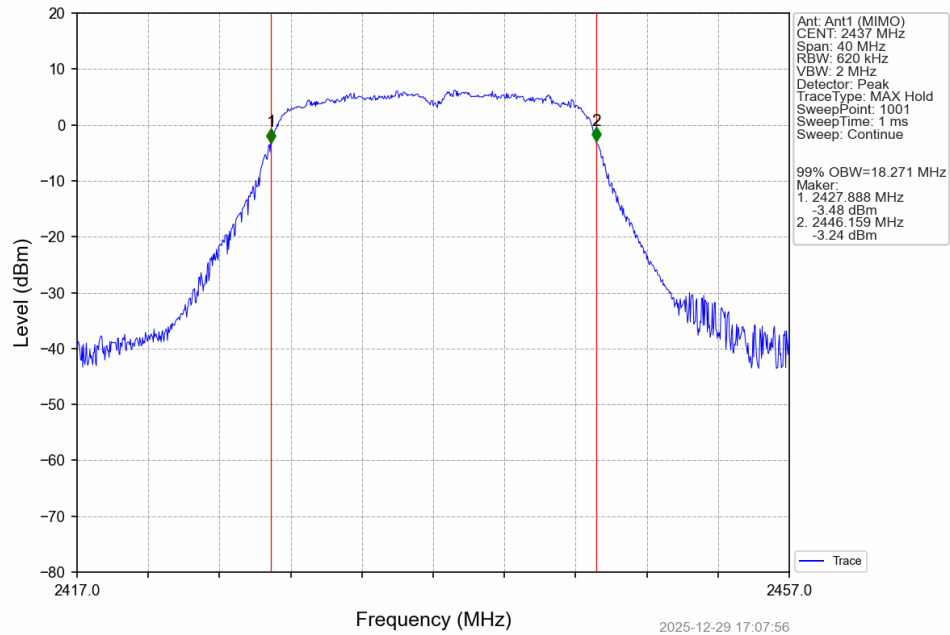
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



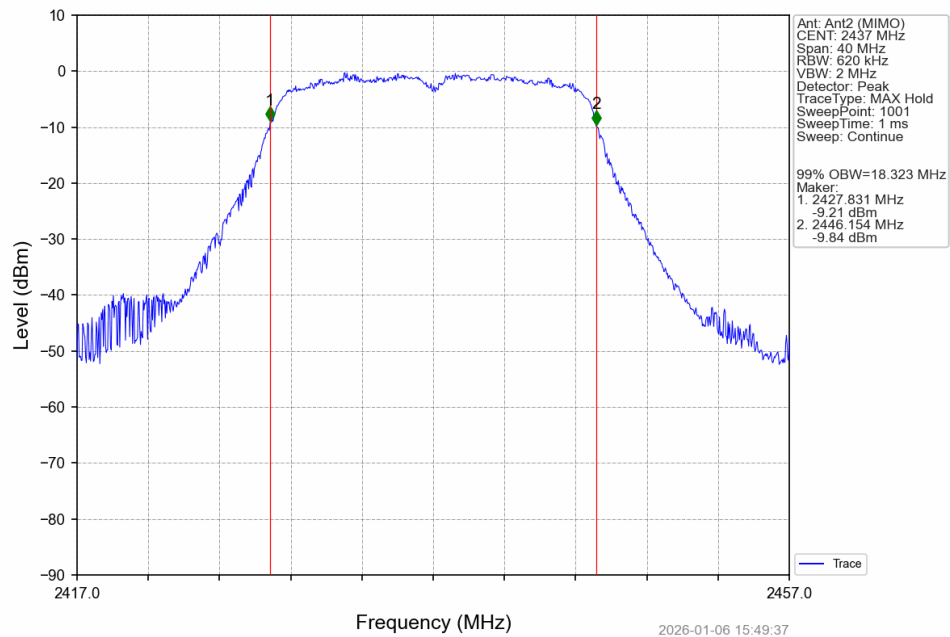
### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



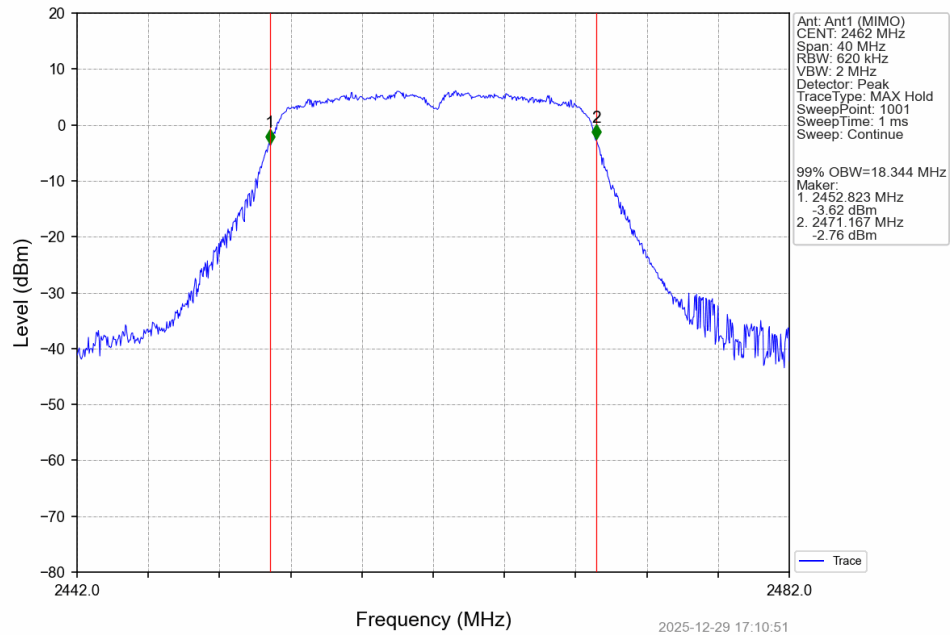
# 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



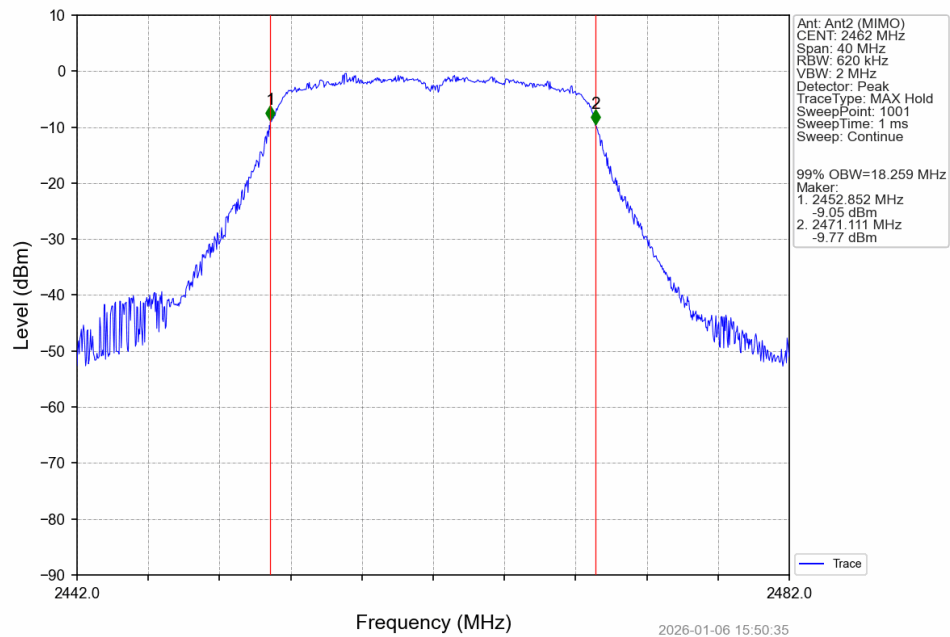
# 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



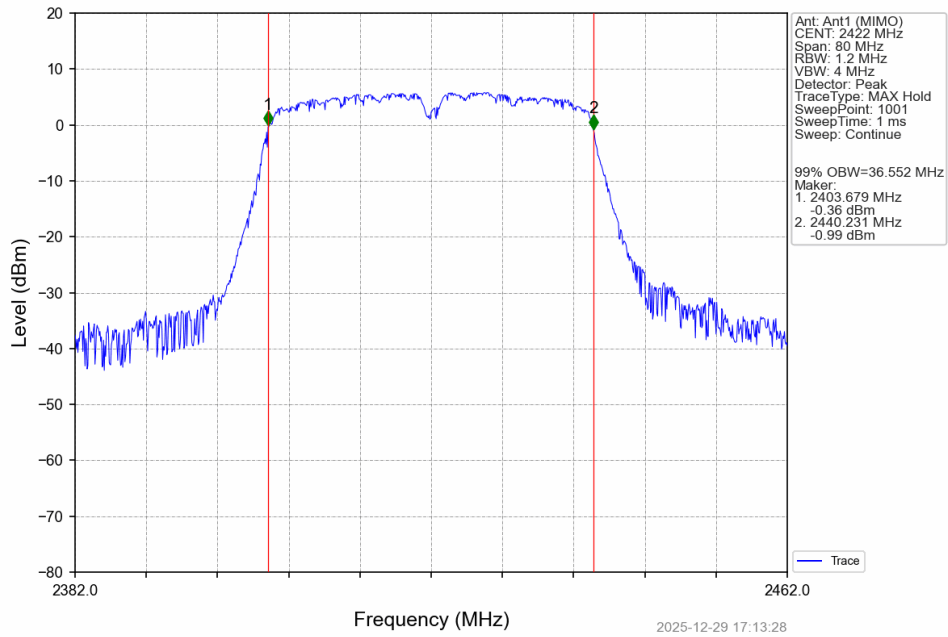
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



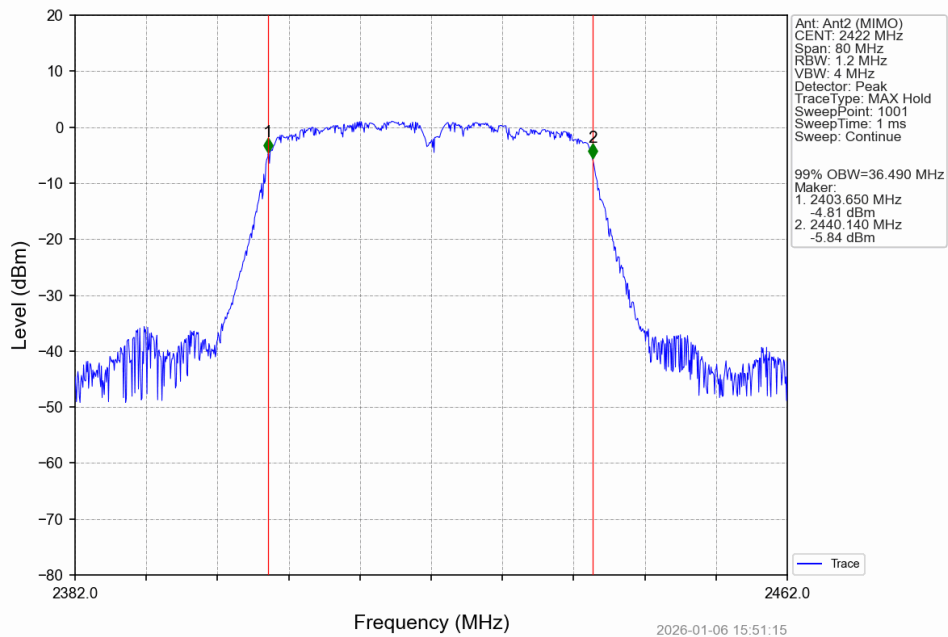
### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



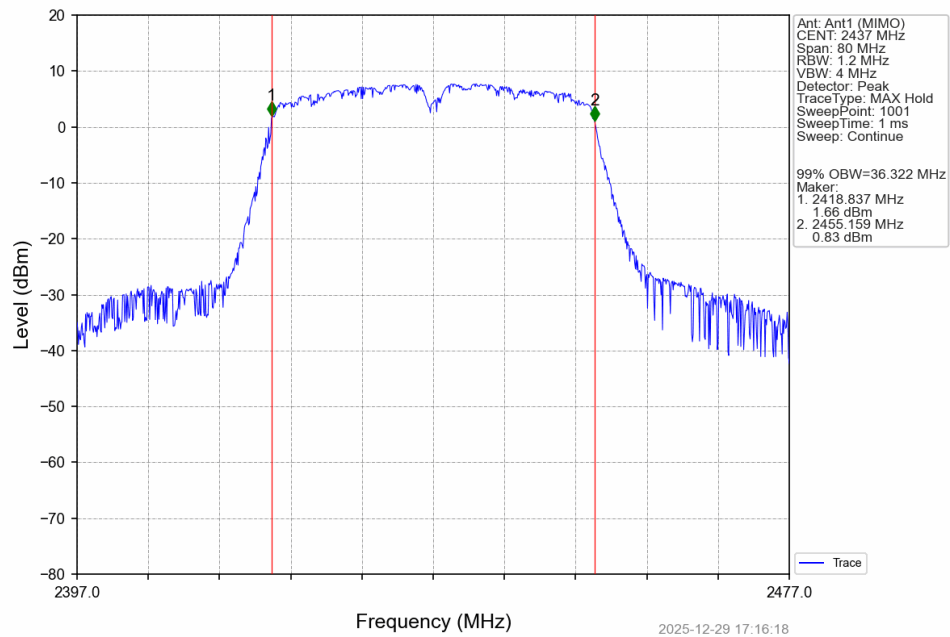
# 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



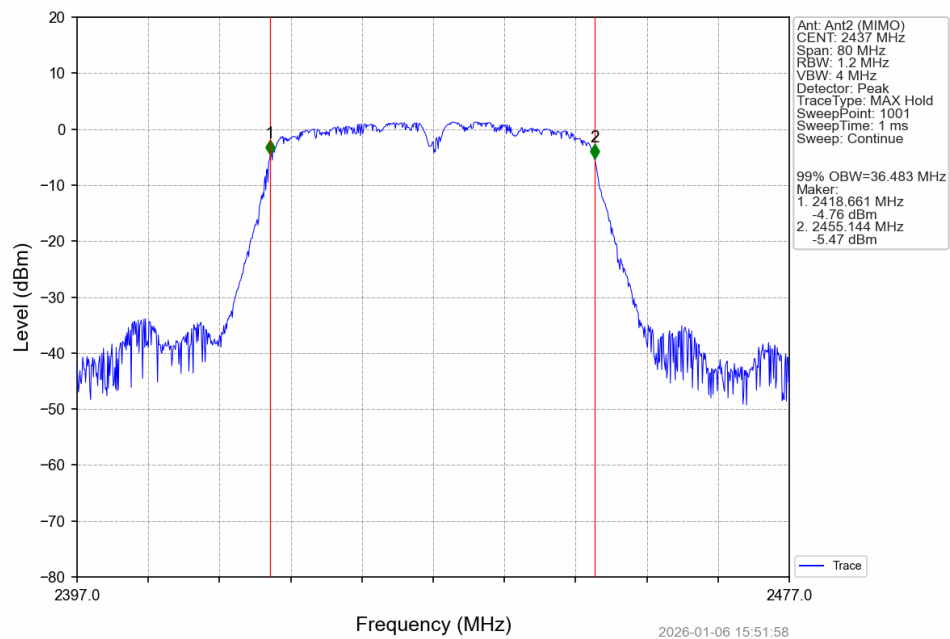
# 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



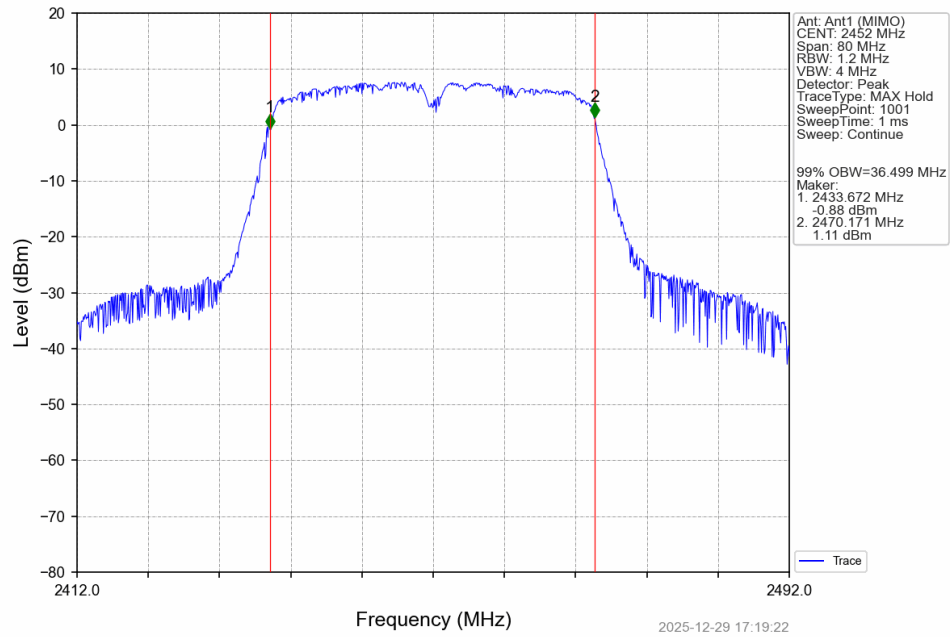
### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



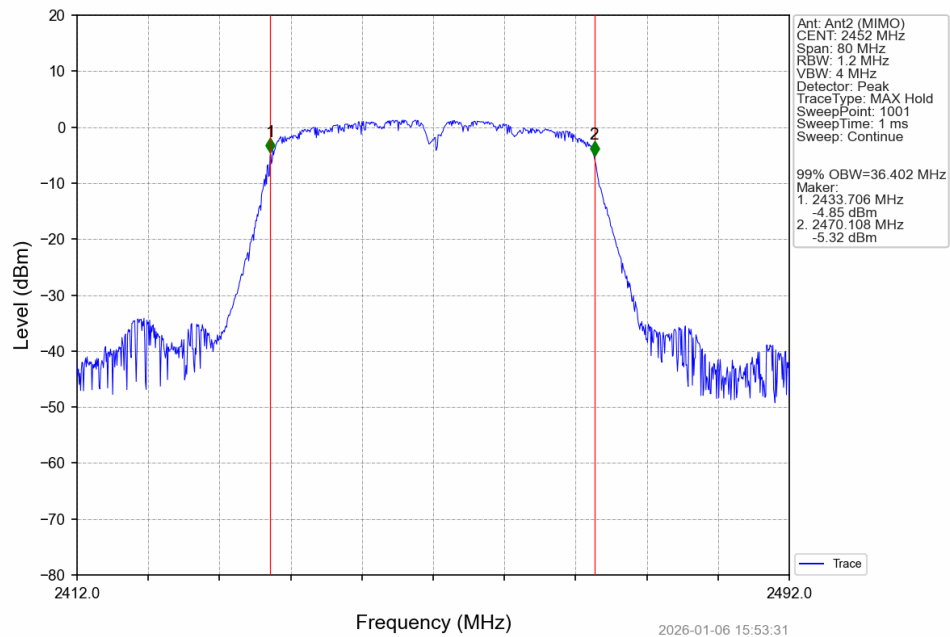
### 802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



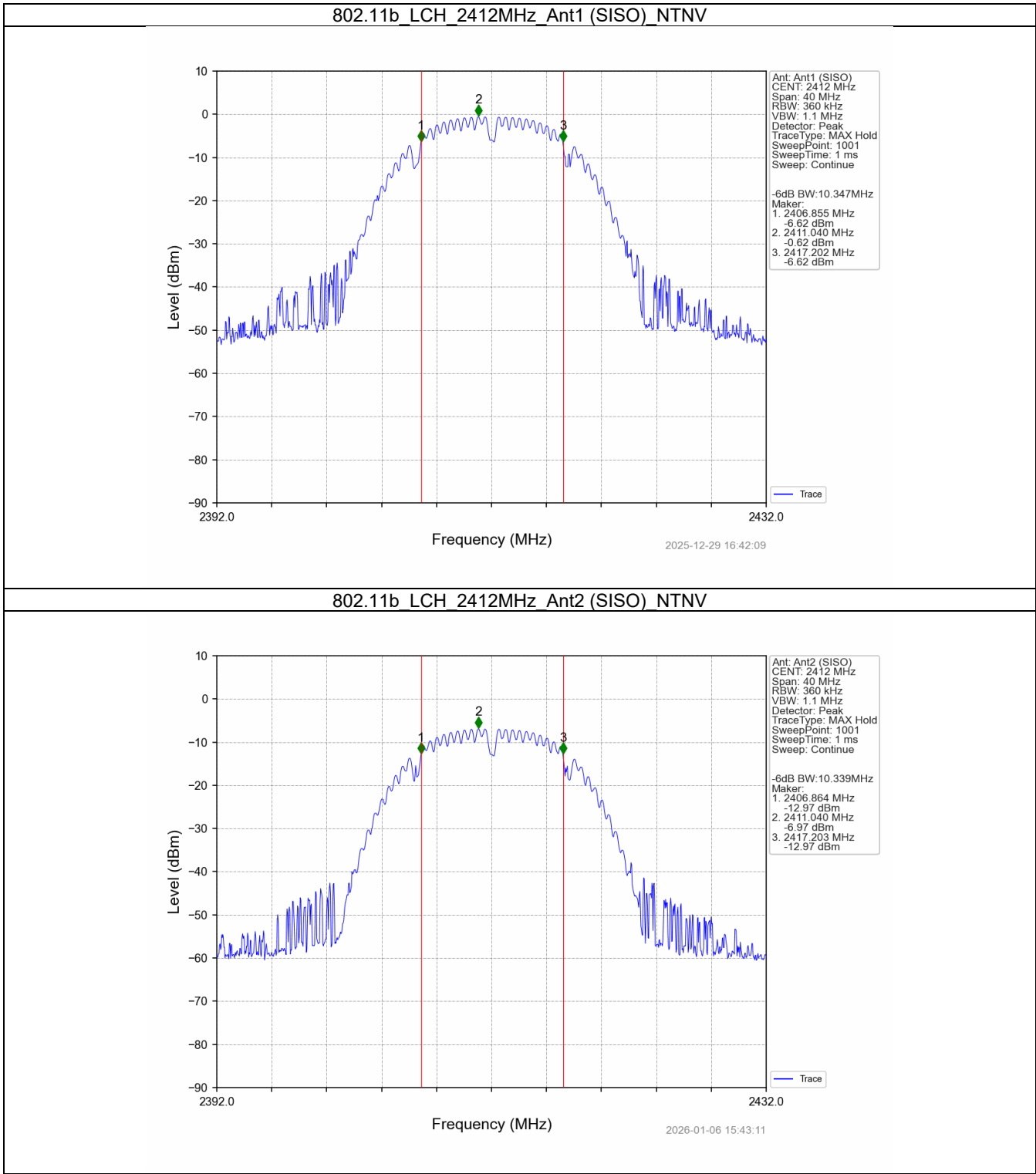
### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



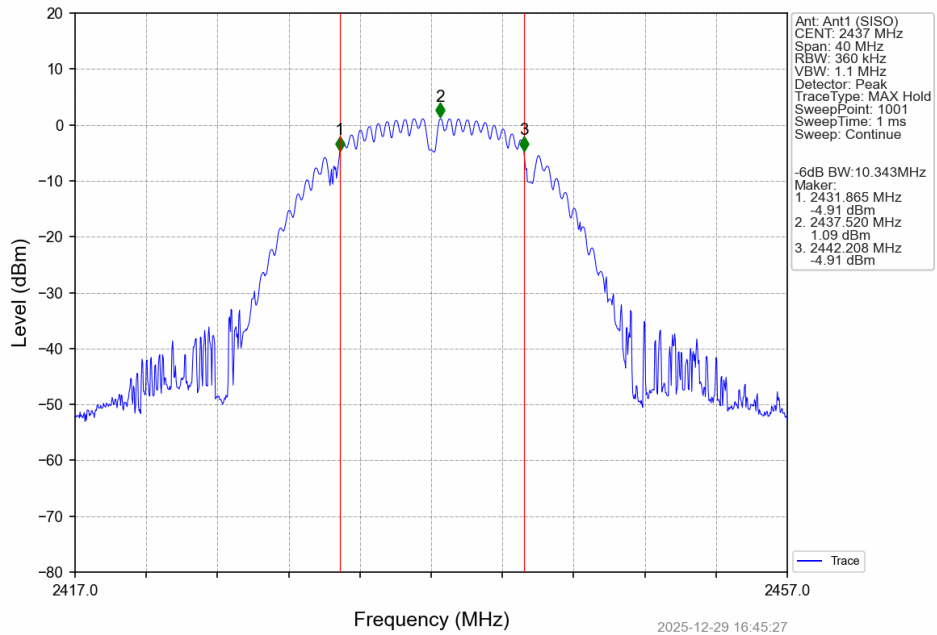
### 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



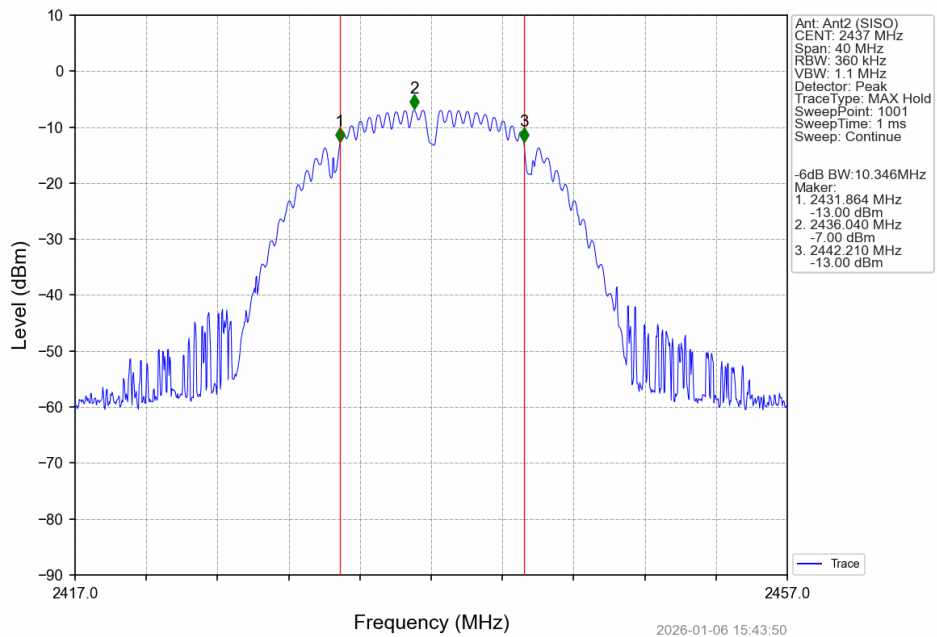
2.2.2 6dB BW



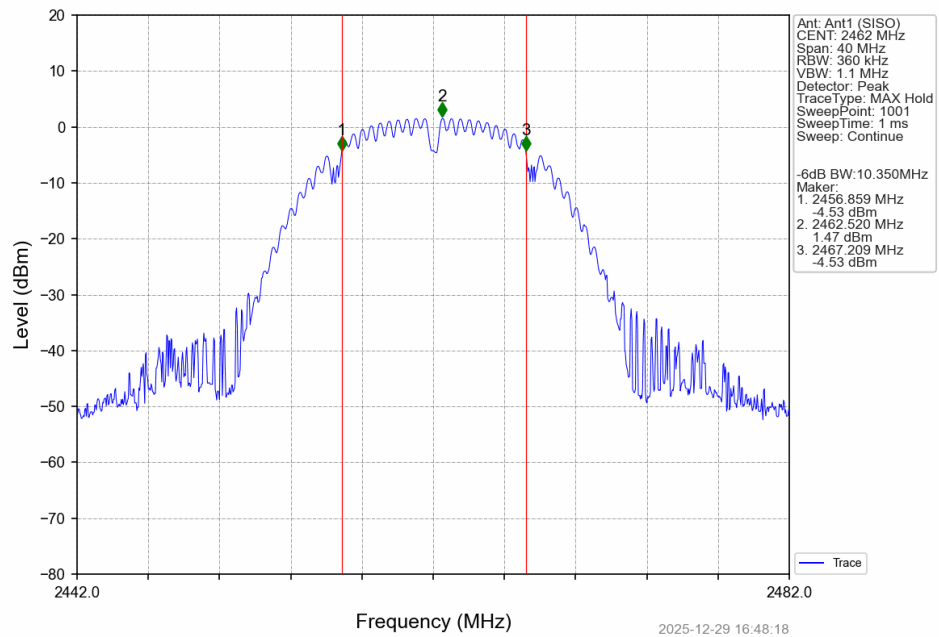
# 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



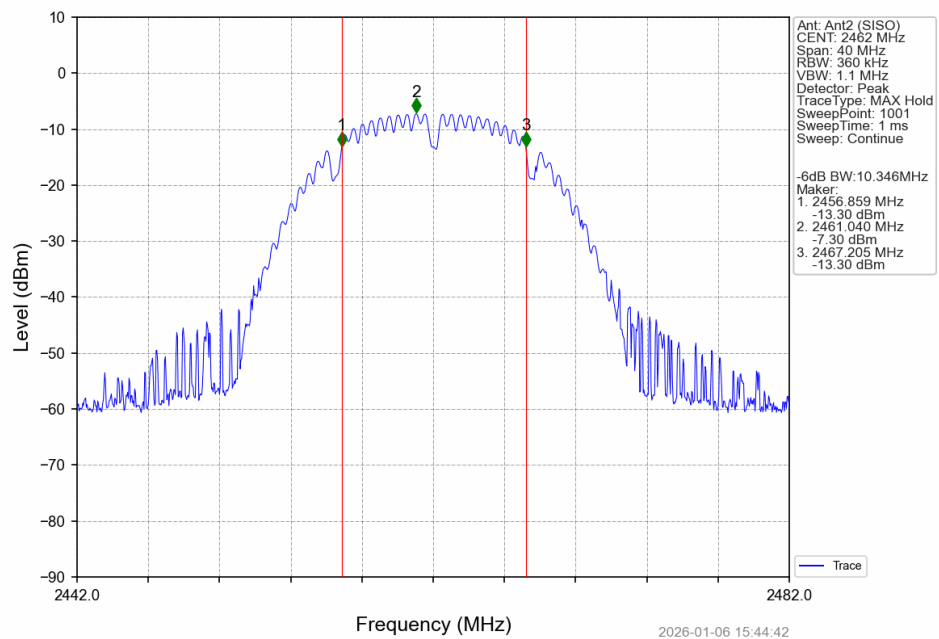
# 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



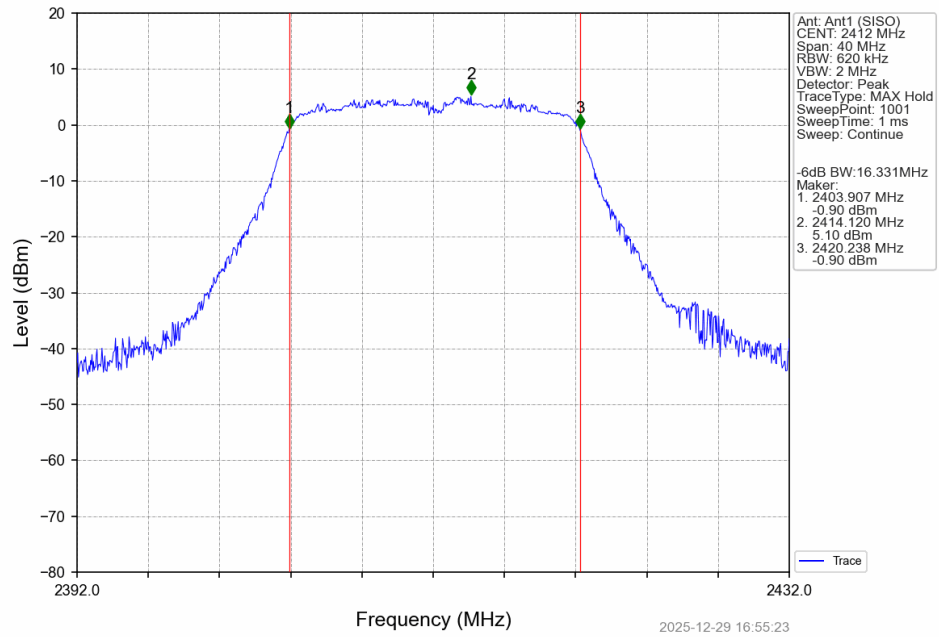
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



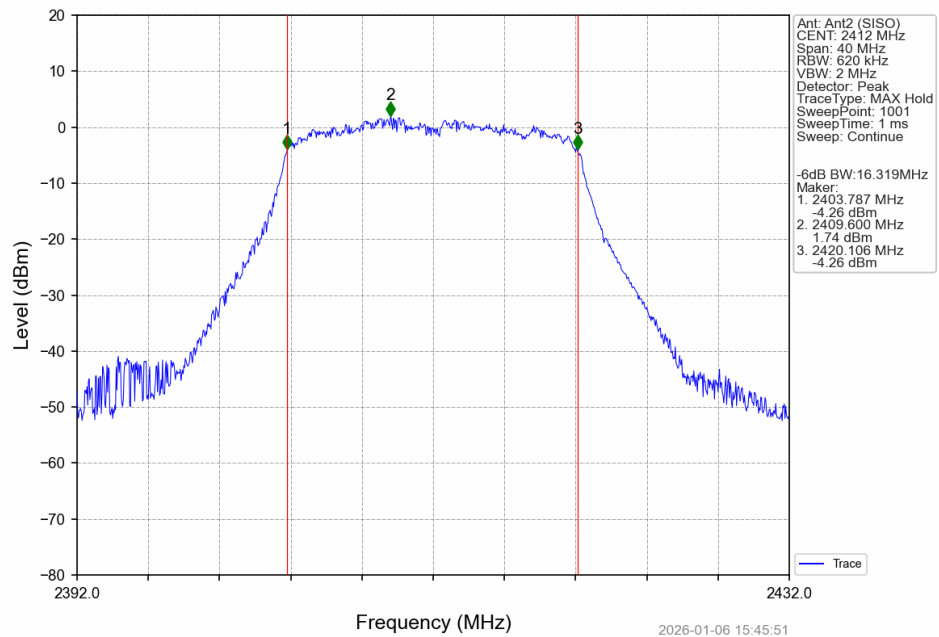
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



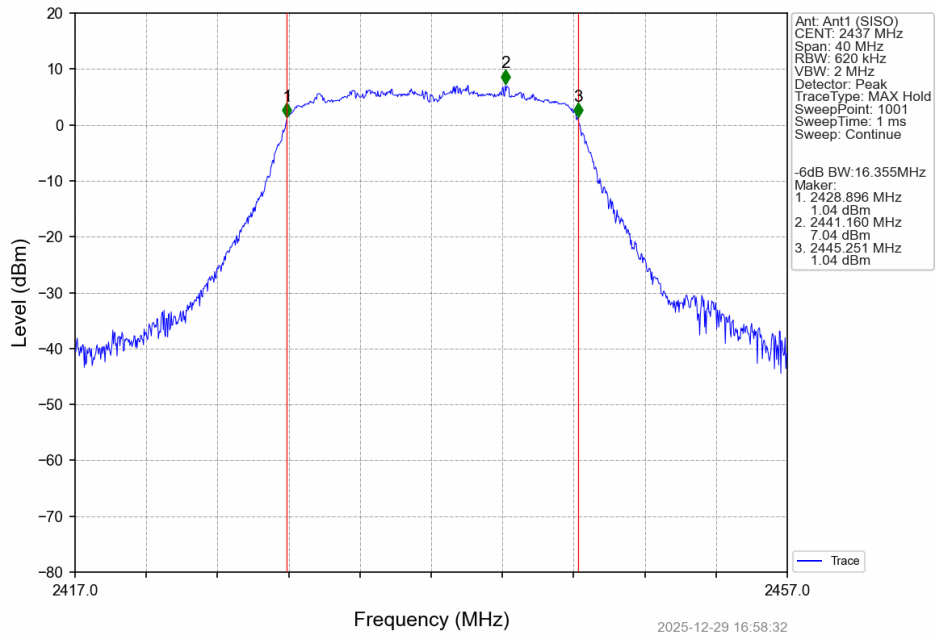
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



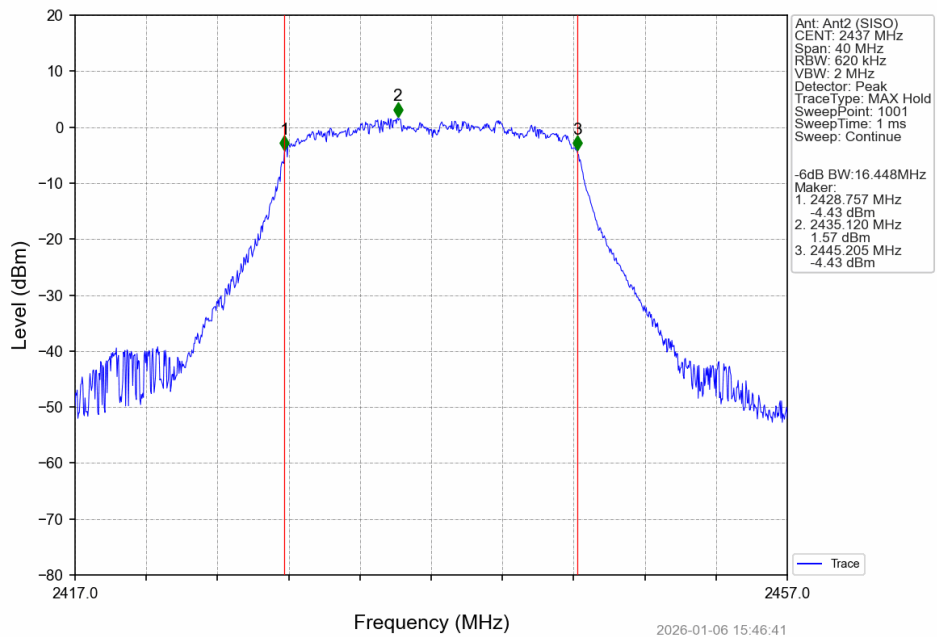
### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



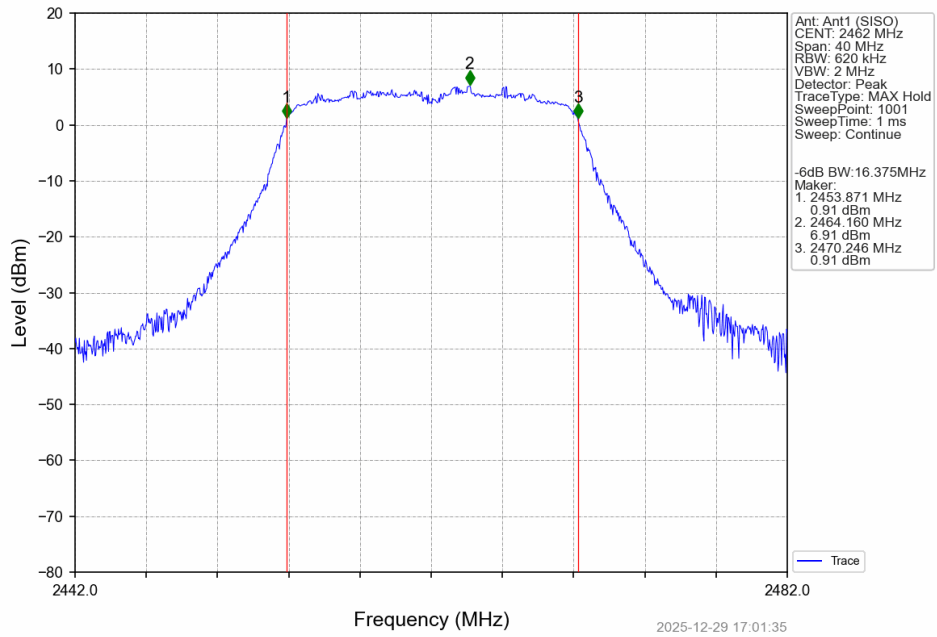
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



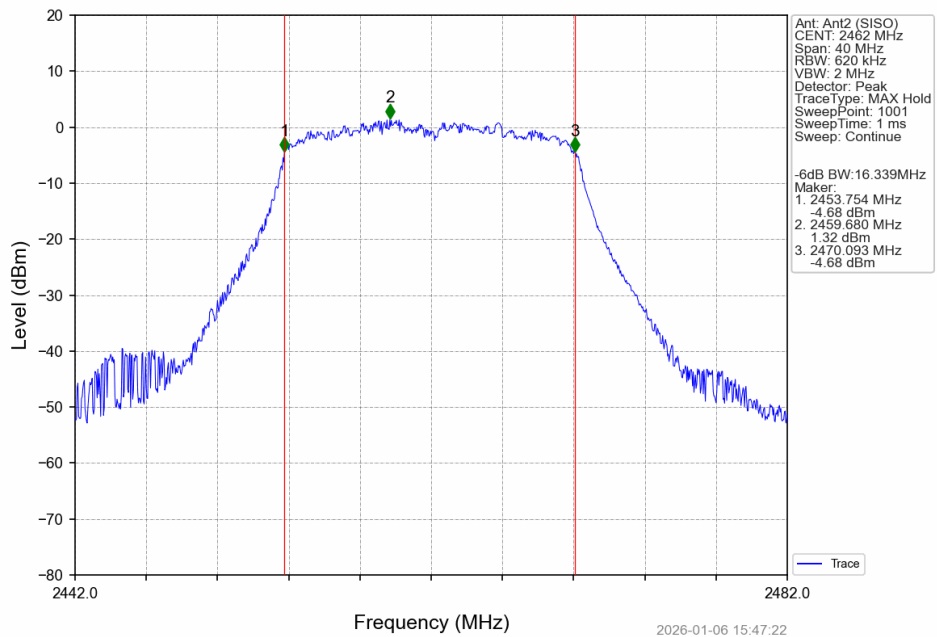
### 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



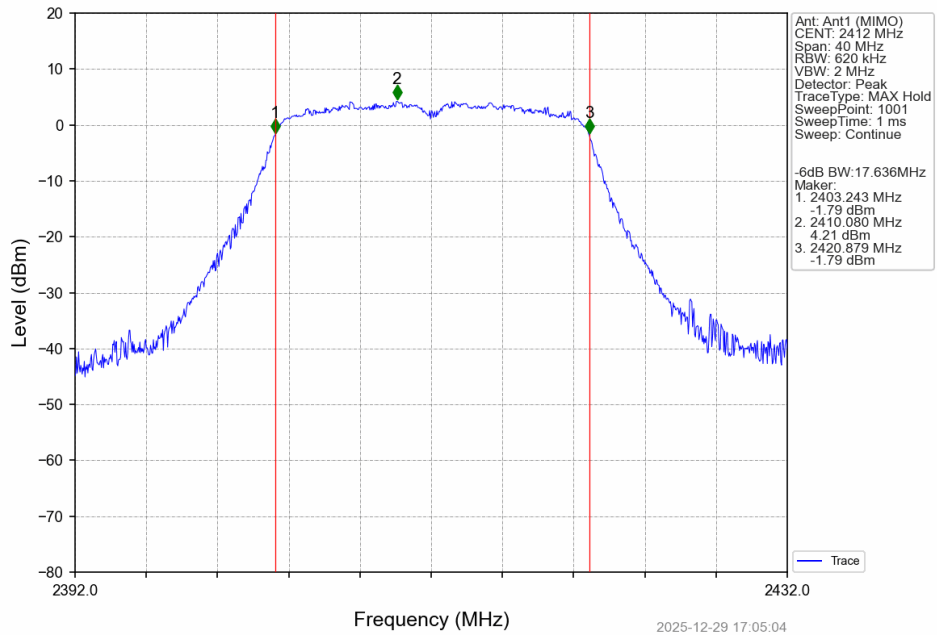
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



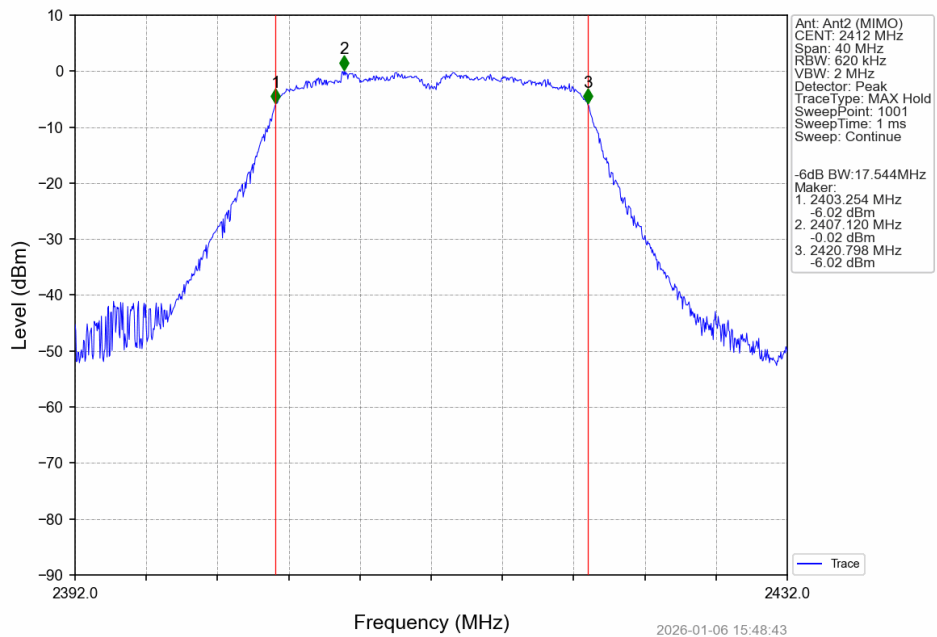
### 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



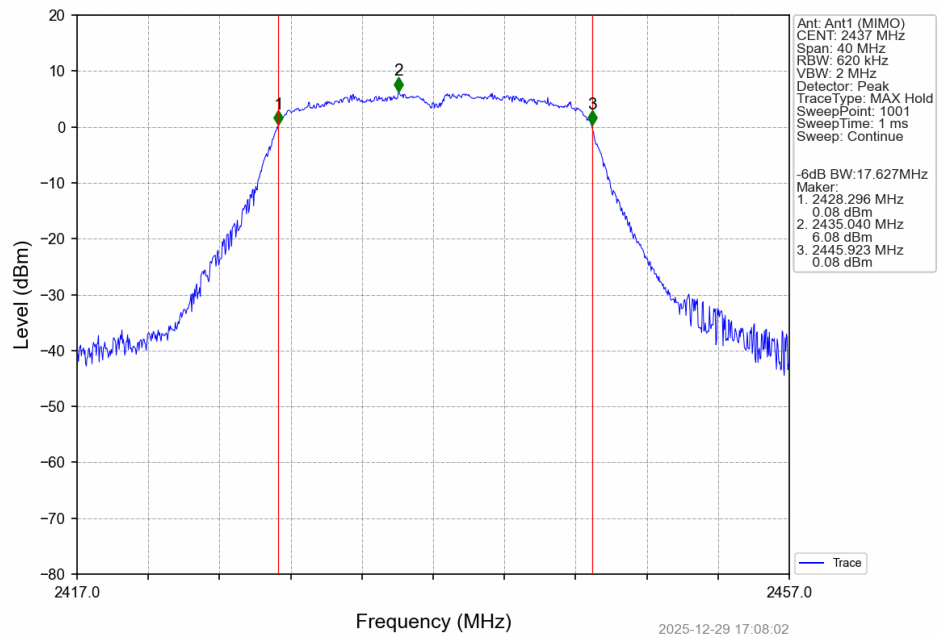
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



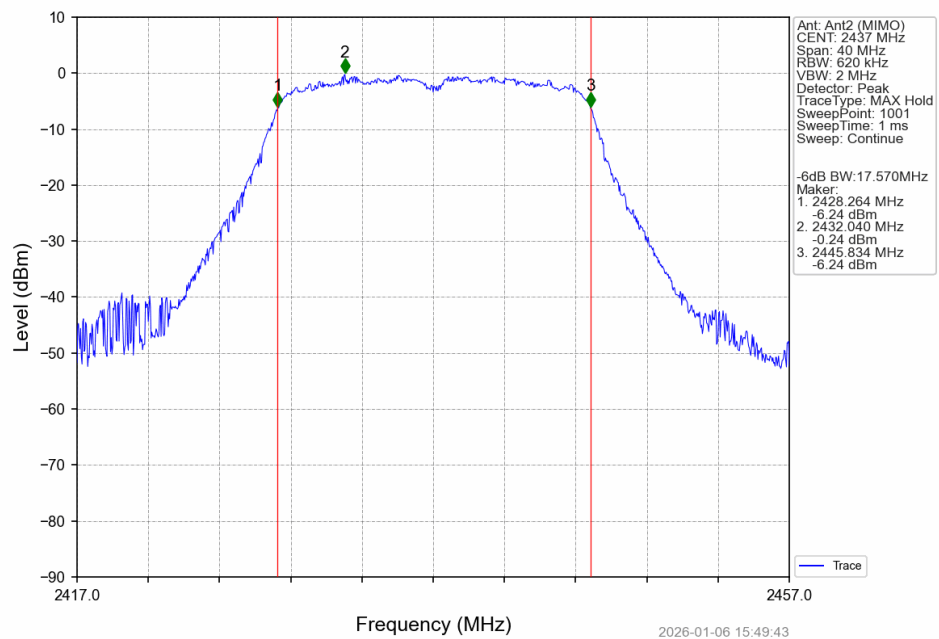
### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



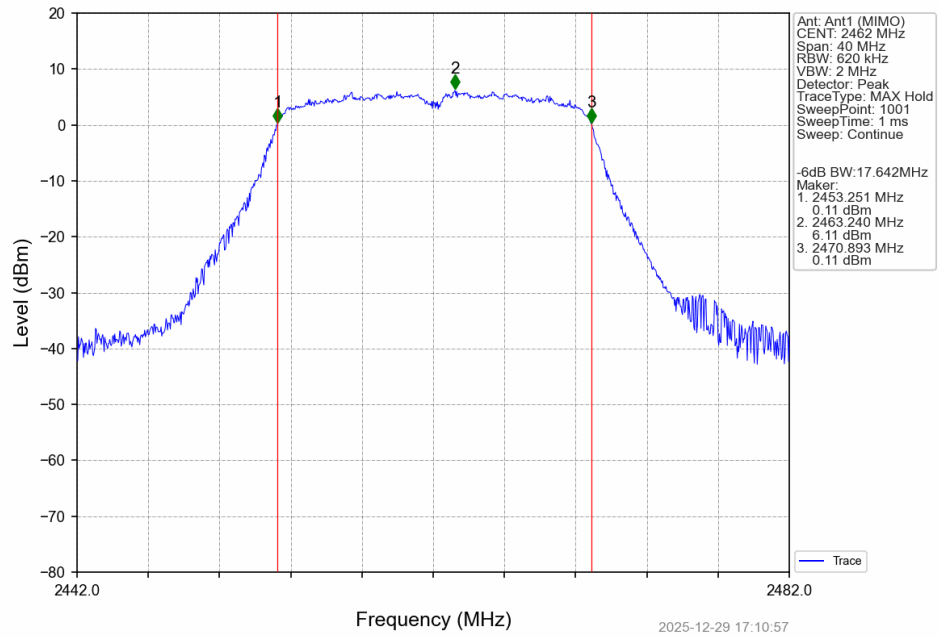
# 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



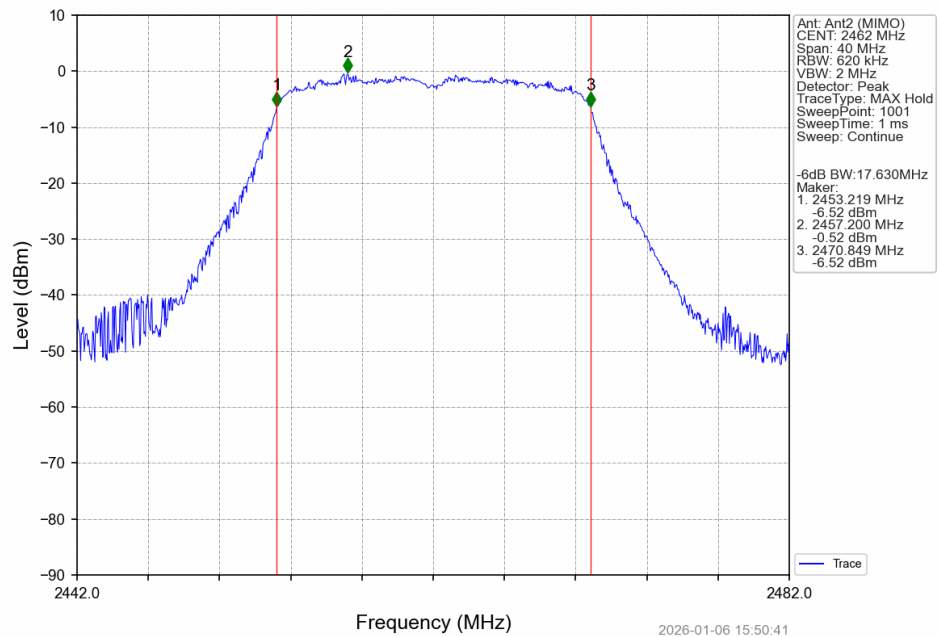
# 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



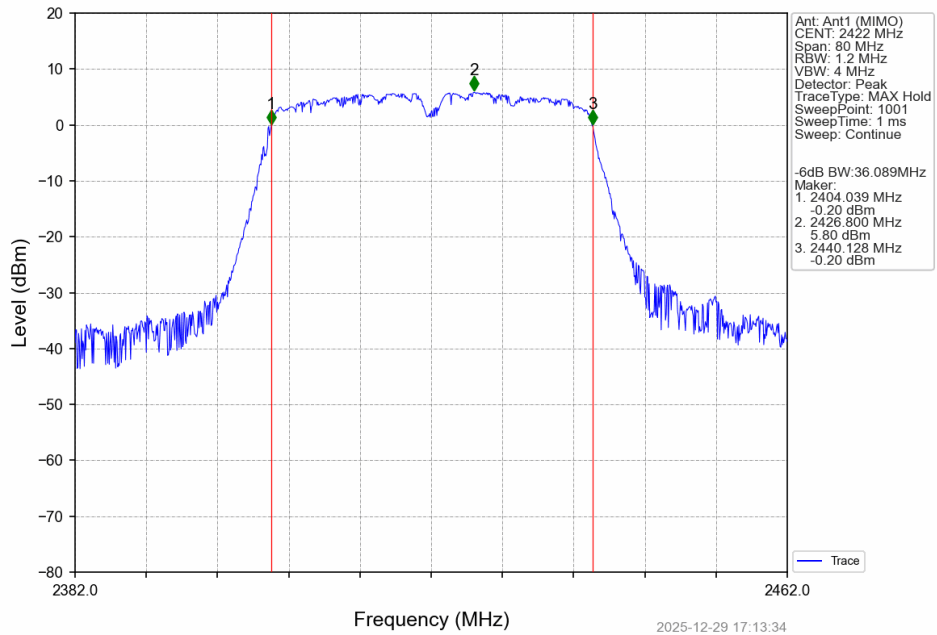
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



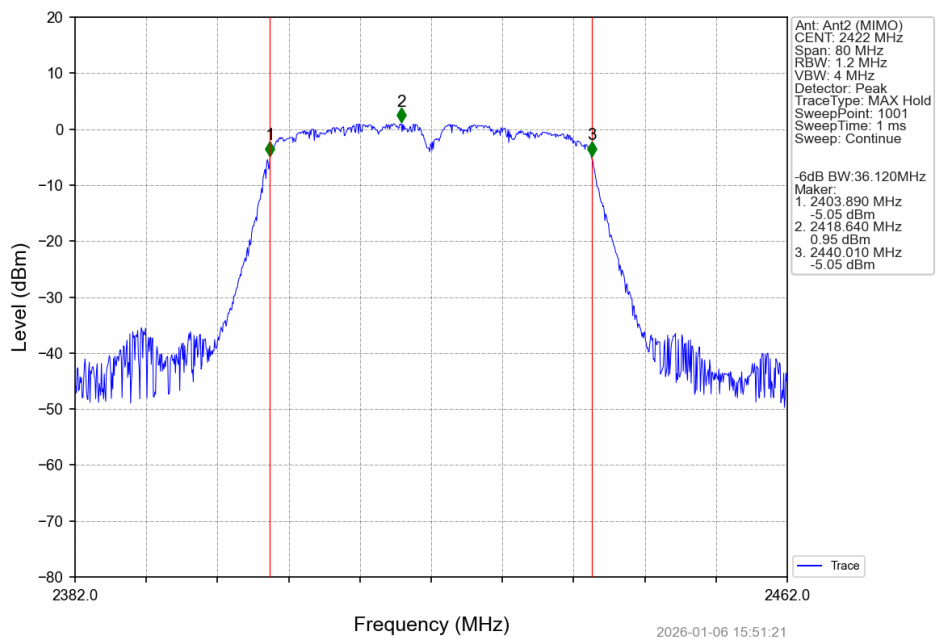
### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



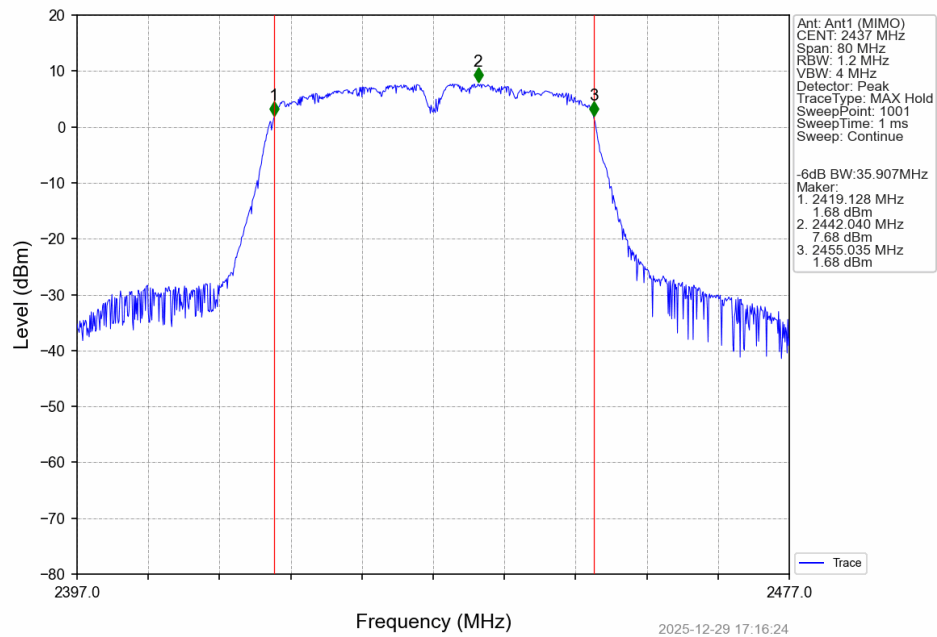
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



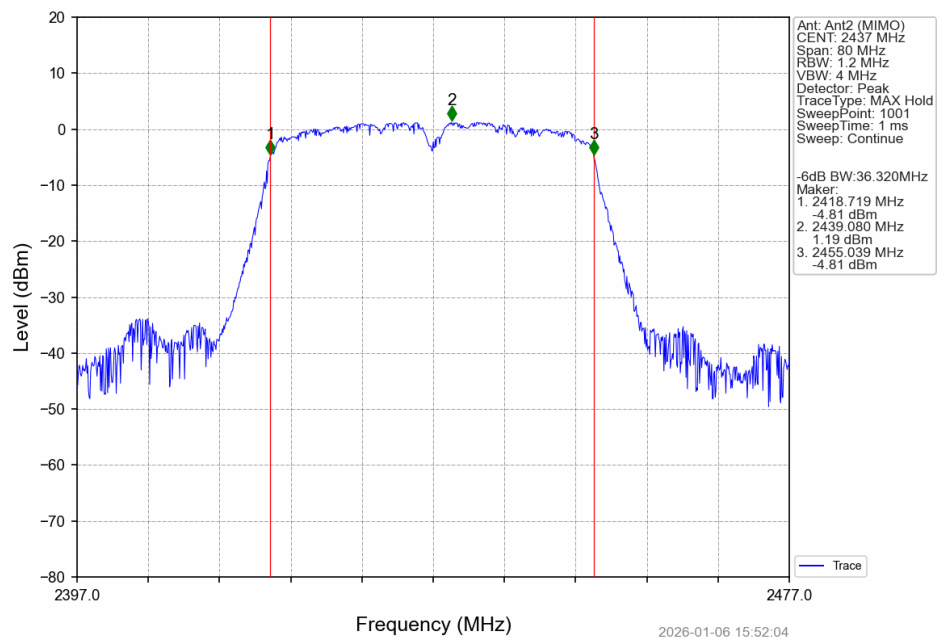
802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



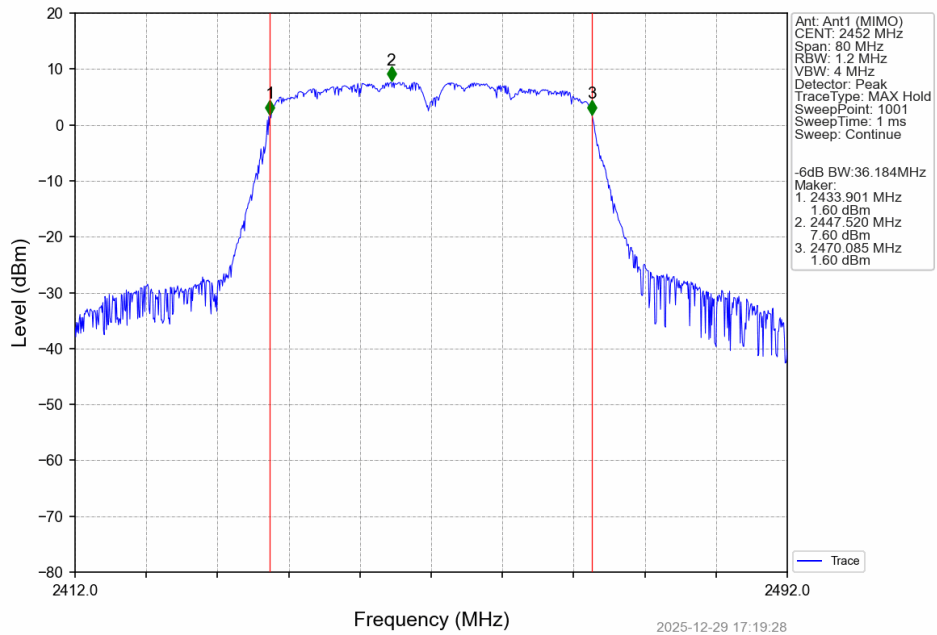
# 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



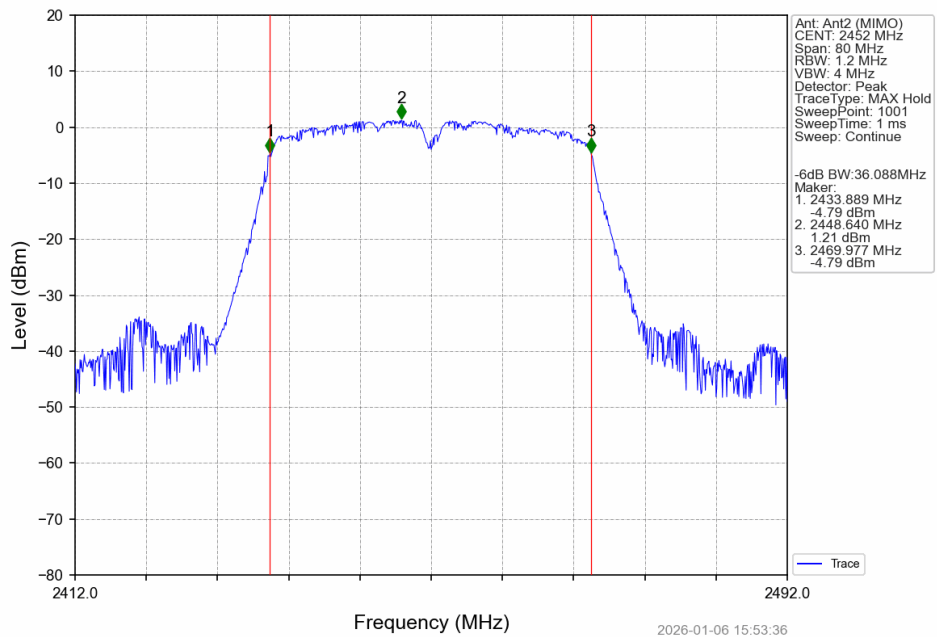
# 802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

| Mode           | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       |       |       | Verdict |
|----------------|---------|-----------------|-------------------------------------------|-------|-------|-------|---------|
|                |         |                 | ANT1                                      | ANT2  | MIMO  | Limit |         |
| 802.11b        | SISO    | 2412            | 11.07                                     | 10.65 | /     | <=30  | Pass    |
|                |         | 2437            | 12.78                                     | 11.13 | /     | <=30  | Pass    |
|                |         | 2462            | 13.17                                     | 8.86  | /     | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 18.21                                     | 19.92 | /     | <=30  | Pass    |
|                |         | 2437            | 20.03                                     | 20.30 | /     | <=30  | Pass    |
|                |         | 2462            | 19.93                                     | 18.01 | /     | <=30  | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 18.04                                     | 19.36 | 21.76 | <=30  | Pass    |
|                |         | 2437            | 19.88                                     | 19.80 | 22.85 | <=30  | Pass    |
|                |         | 2462            | 19.85                                     | 17.54 | 21.86 | <=30  | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 18.39                                     | 19.55 | 22.02 | <=30  | Pass    |
|                |         | 2437            | 20.09                                     | 20.19 | 23.15 | <=30  | Pass    |
|                |         | 2452            | 20.18                                     | 20.05 | 23.13 | <=30  | Pass    |

## 4. Maximum Power Spectral Density

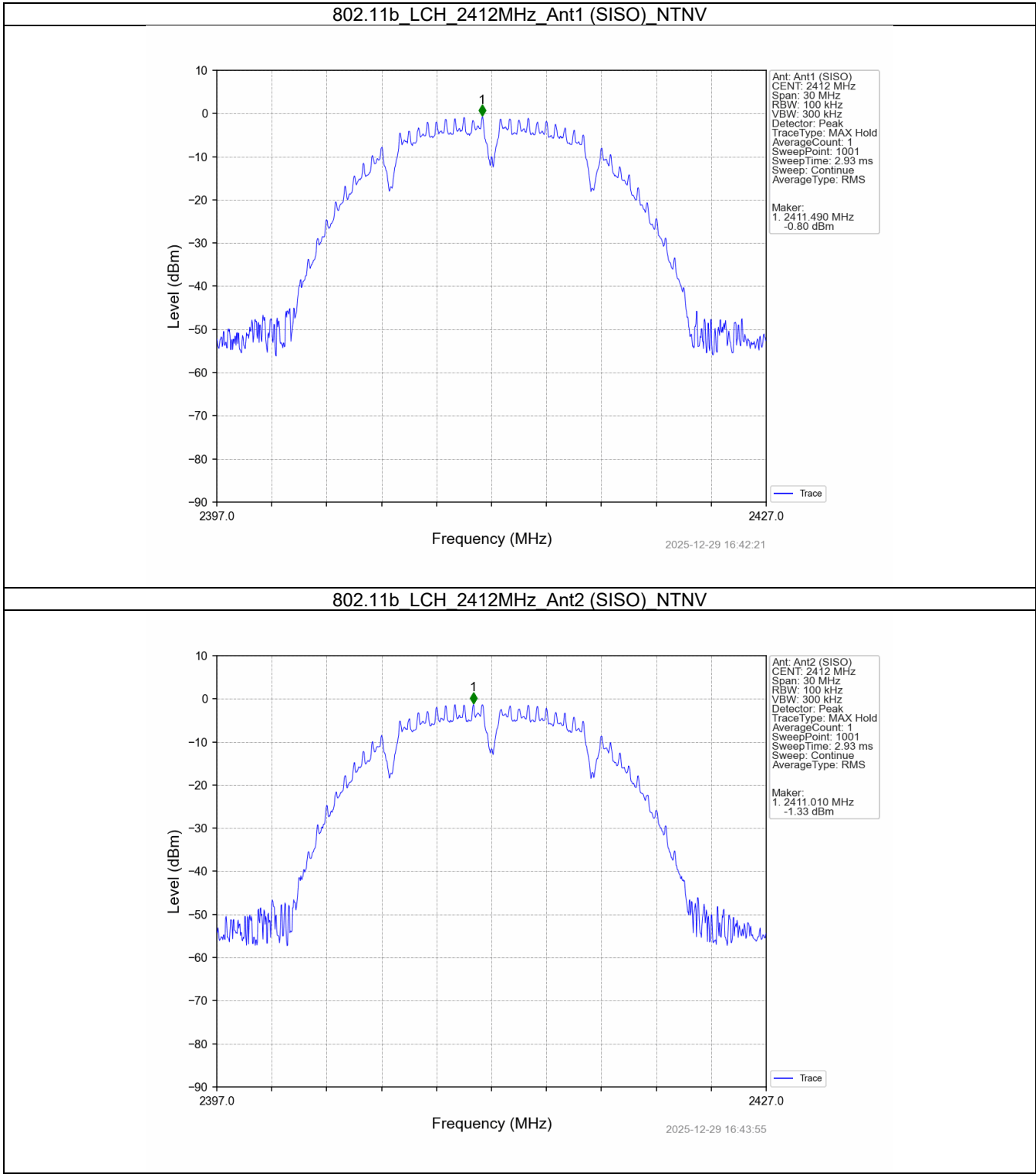
### 4.1 Test Result

#### 4.1.1 PSD

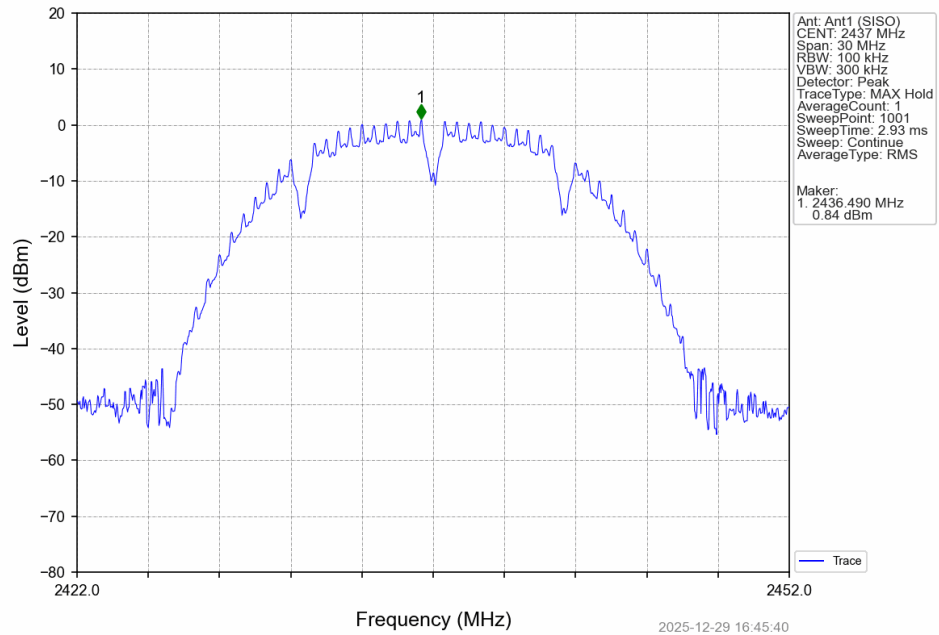
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm) |       |      |       | Verdict |
|----------------|---------|-----------------|-------------------|-------|------|-------|---------|
|                |         |                 | ANT1              | ANT2  | MIMO | Limit |         |
| 802.11b        | SISO    | 2412            | -0.80             | -1.33 | /    | <=8   | Pass    |
|                |         | 2437            | 0.84              | -0.79 | /    | <=8   | Pass    |
|                |         | 2462            | 1.19              | -3.05 | /    | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -0.59             | 1.18  | /    | <=8   | Pass    |
|                |         | 2437            | 1.90              | 1.54  | /    | <=8   | Pass    |
|                |         | 2462            | 1.29              | -0.83 | /    | <=8   | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | -0.13             | 0.73  | 3.12 | <=8   | Pass    |
|                |         | 2437            | 1.87              | 1.54  | 4.60 | <=8   | Pass    |
|                |         | 2462            | 1.77              | -0.83 | 3.65 | <=8   | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | -3.05             | -1.75 | 0.63 | <=8   | Pass    |
|                |         | 2437            | -1.12             | -1.05 | 1.93 | <=8   | Pass    |
|                |         | 2452            | -1.27             | -1.16 | 1.78 | <=8   | Pass    |

4.2 Test Graph

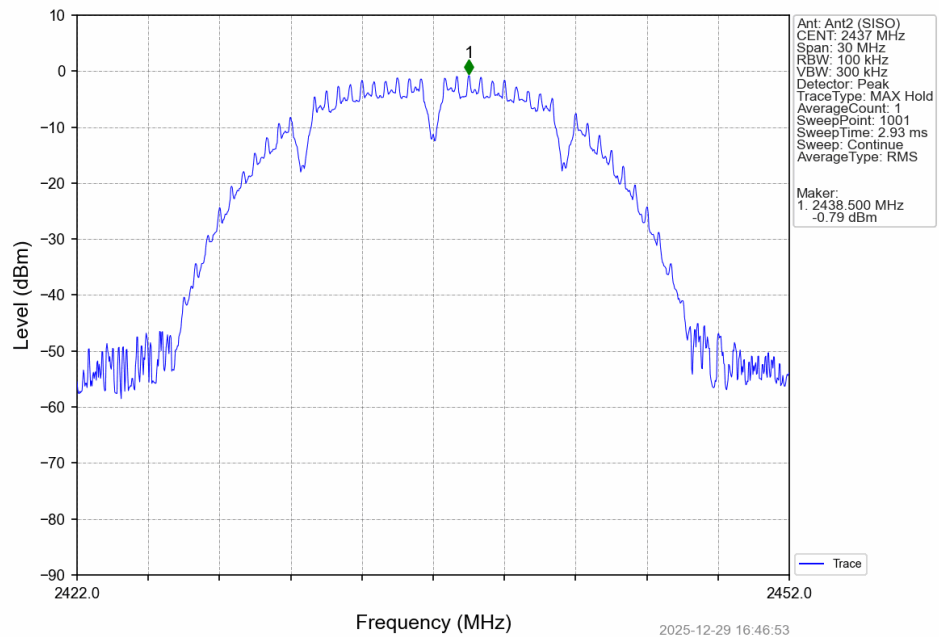
4.2.1 PSD



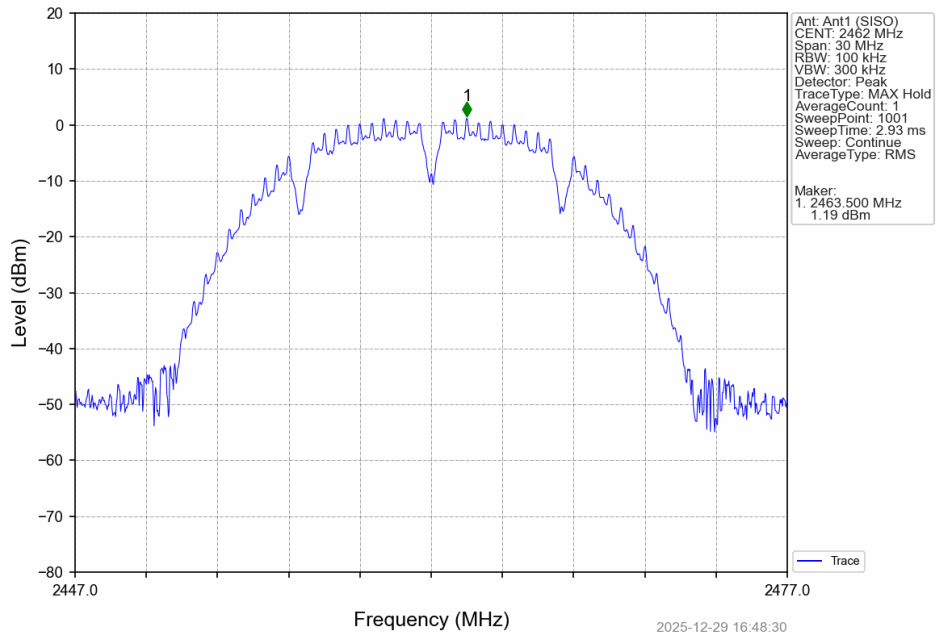
# 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



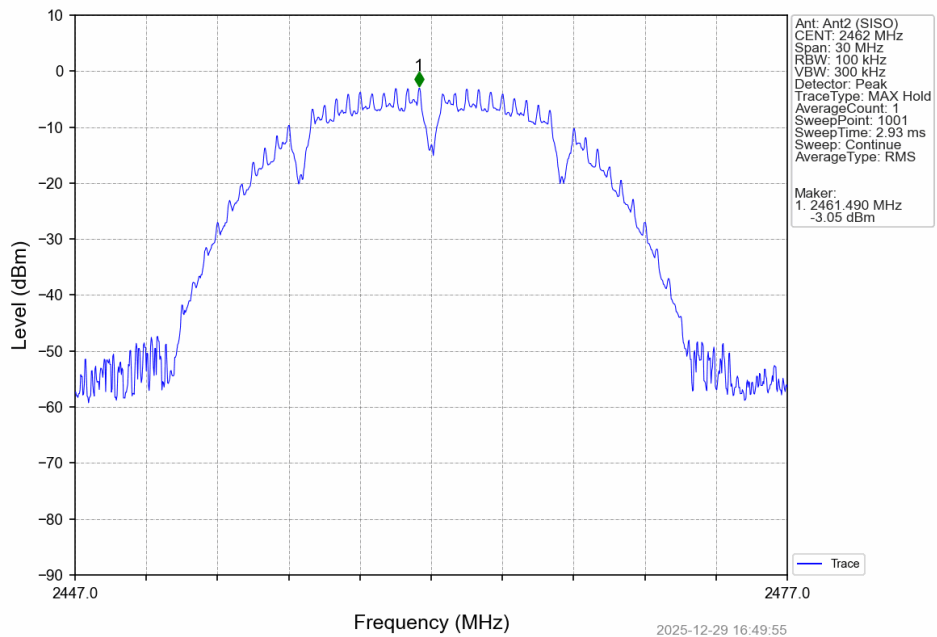
# 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



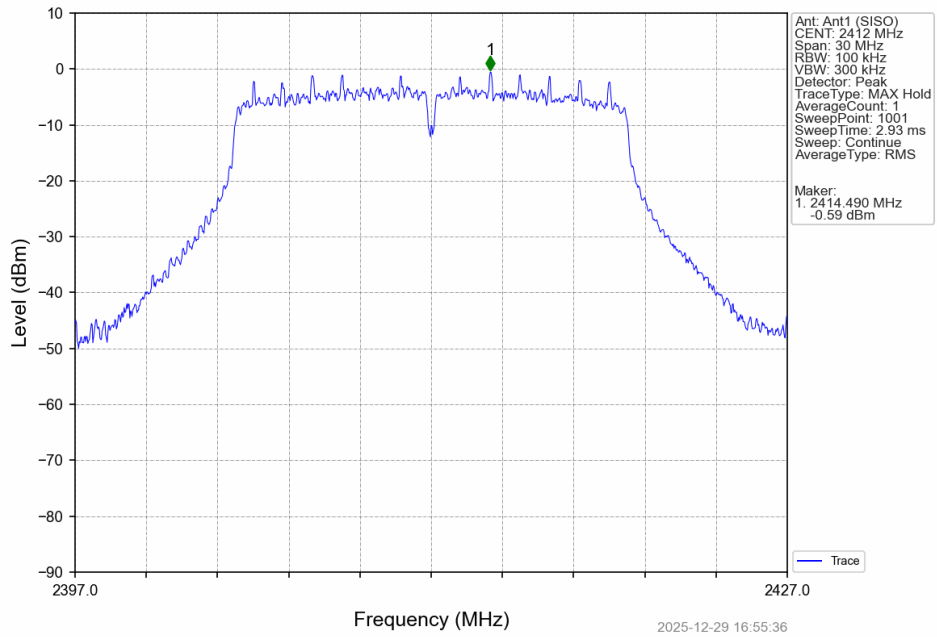
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



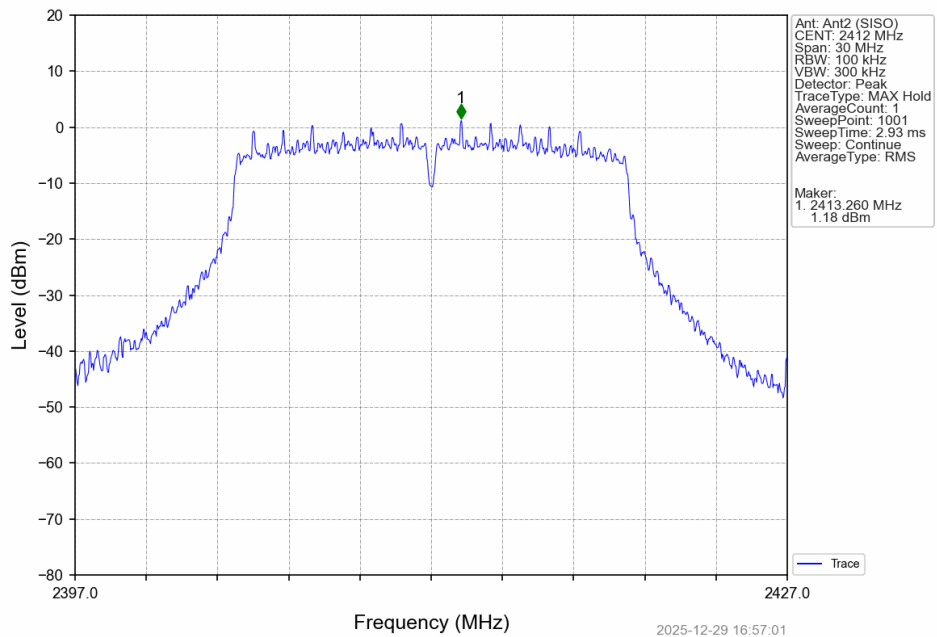
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



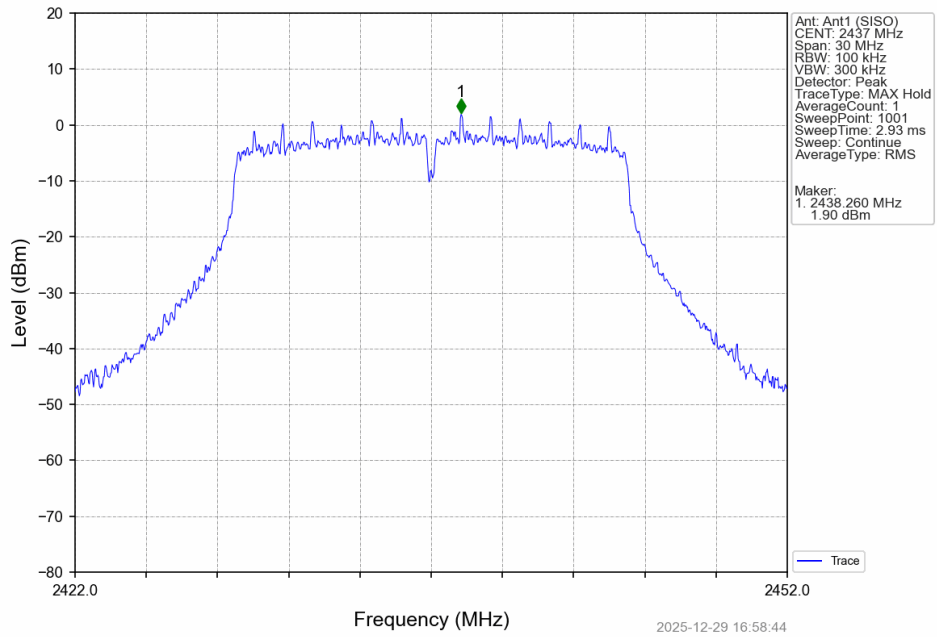
# 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



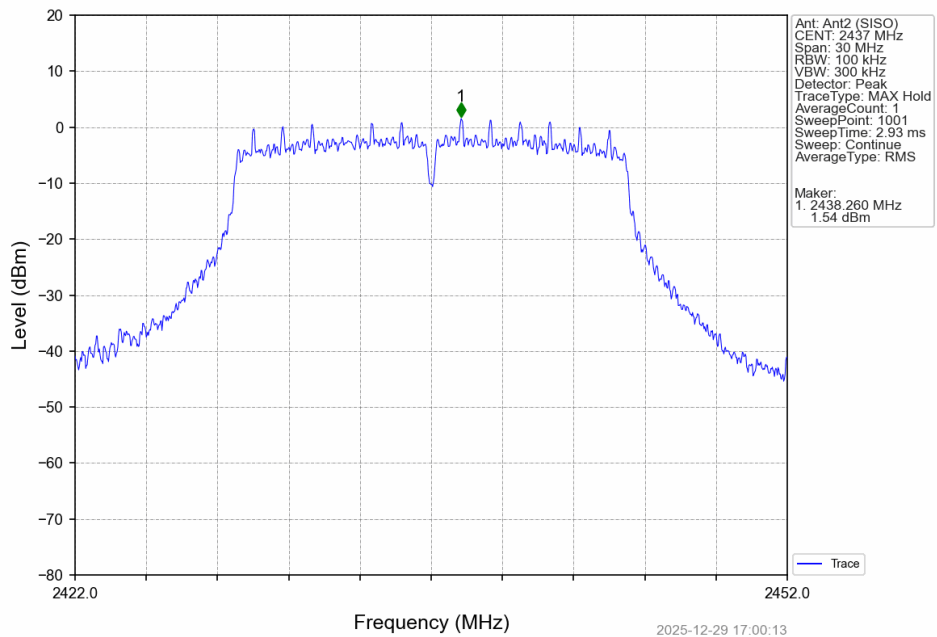
# 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



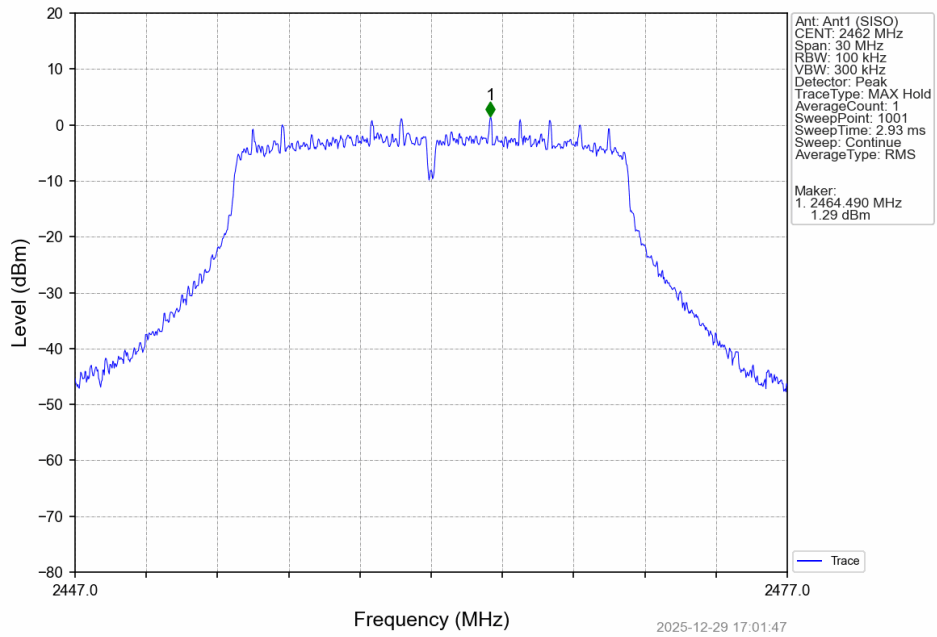
# 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



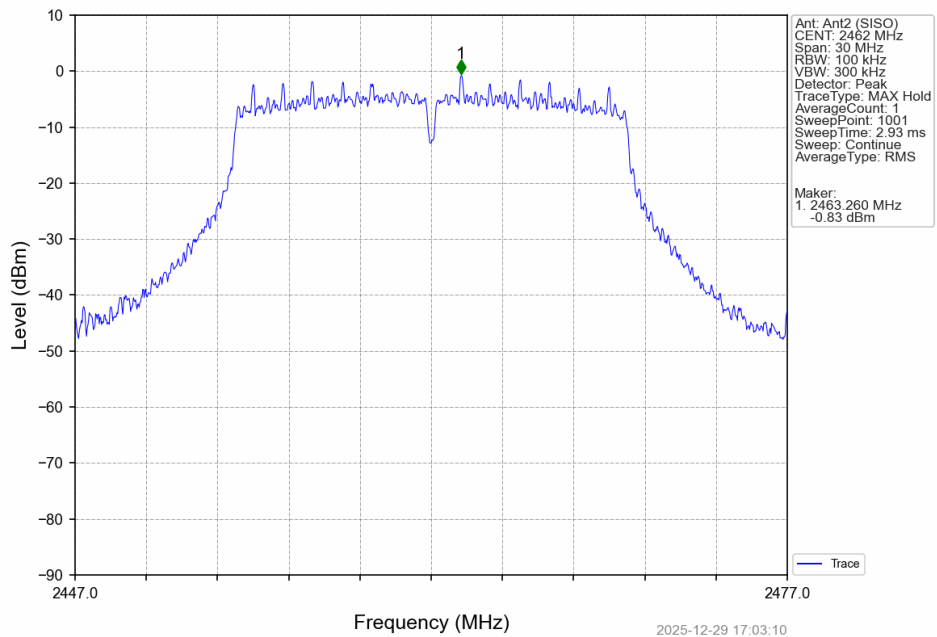
# 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



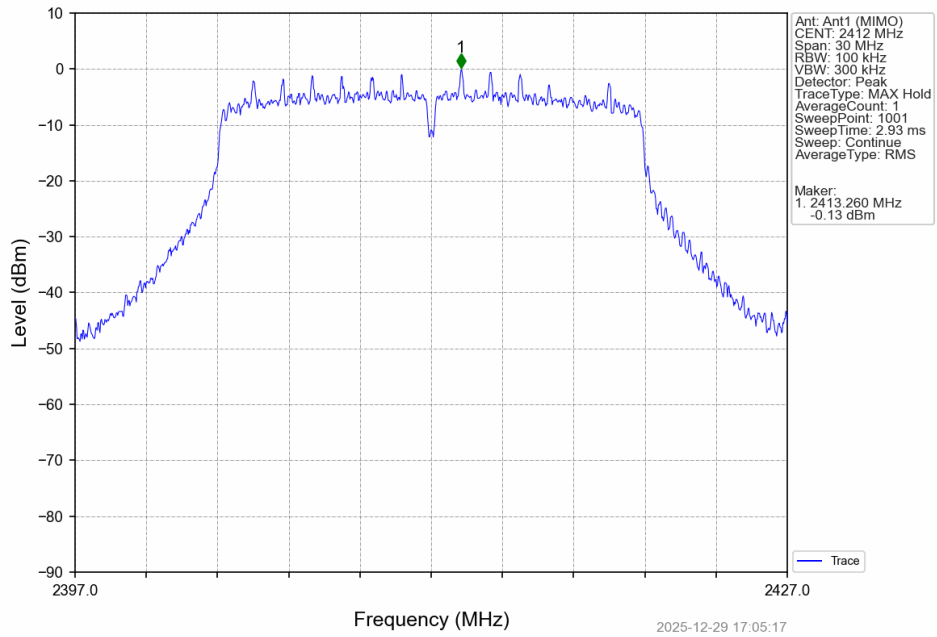
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



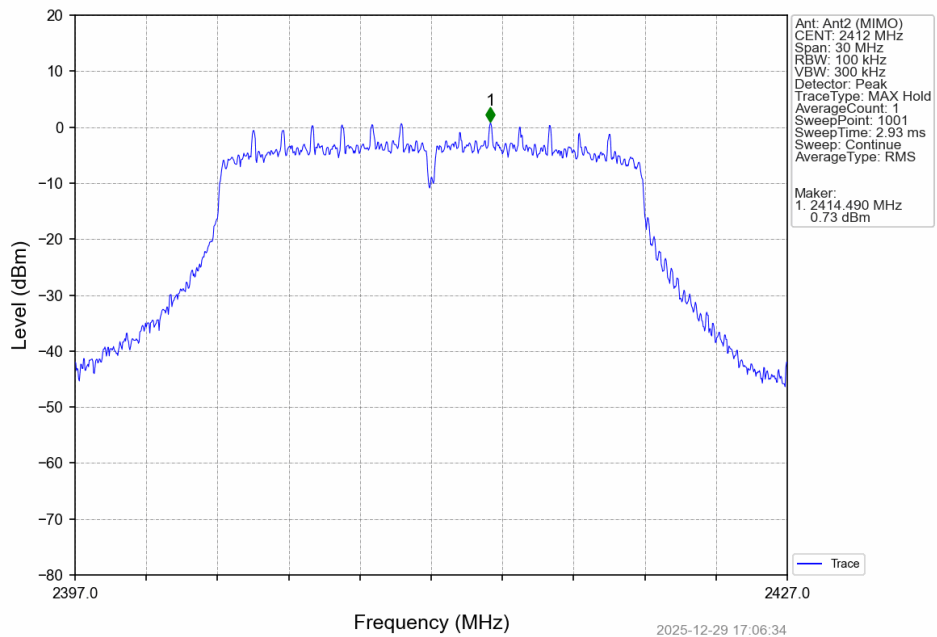
### 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



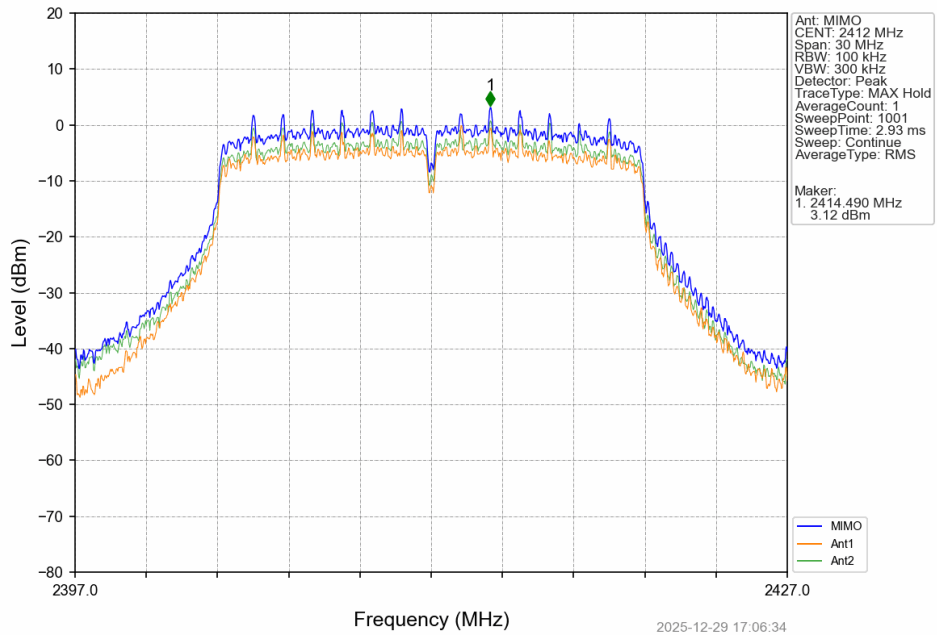
# 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



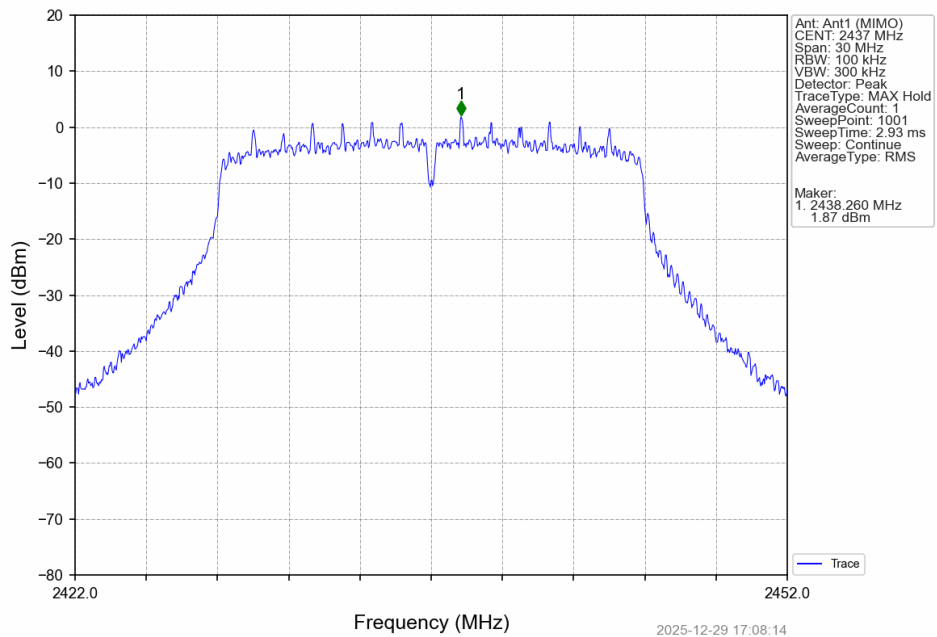
# 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



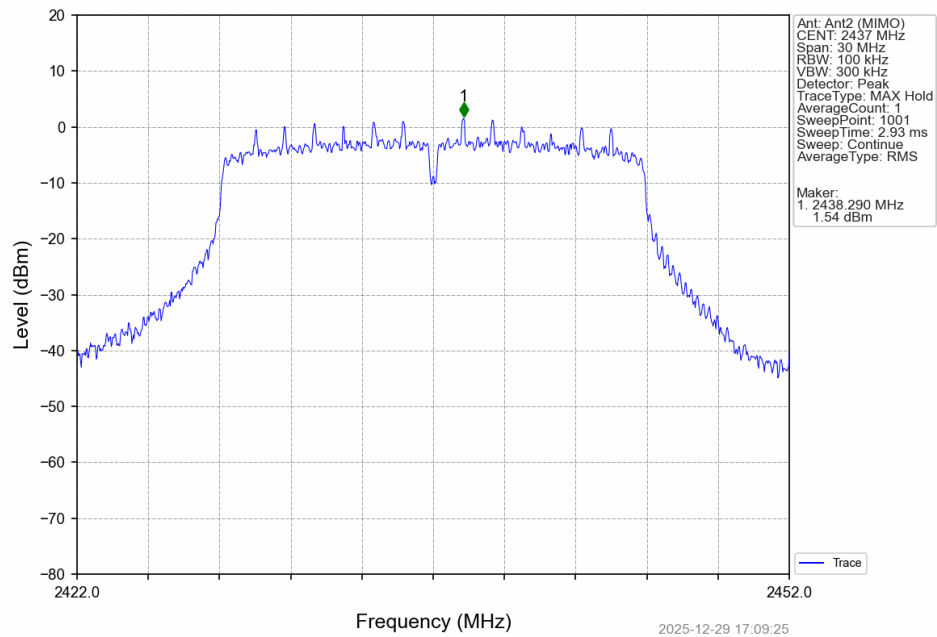
# 802.11n(HT20)\_LCH\_2412MHz\_MIMO\_NTNV



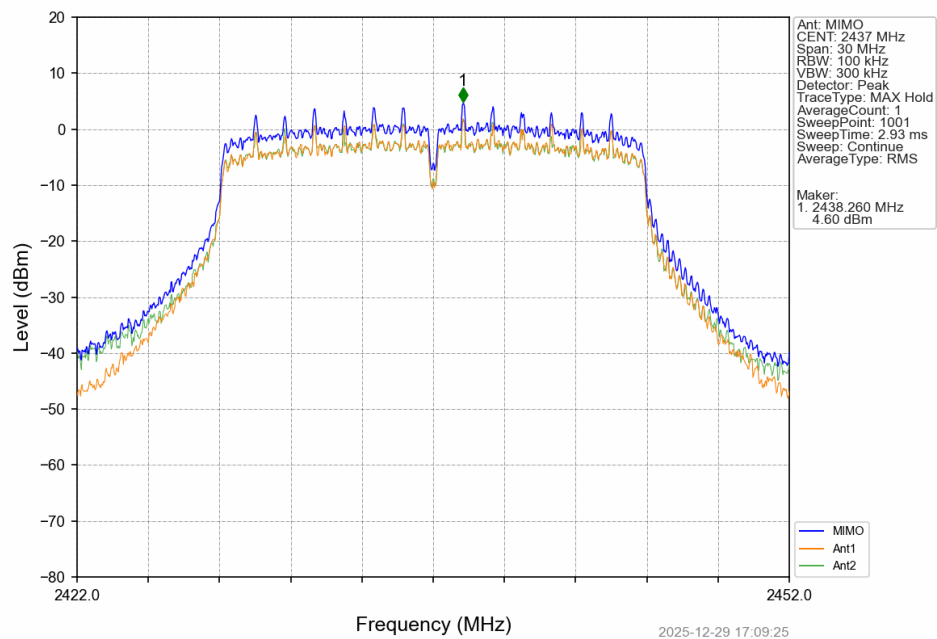
# 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



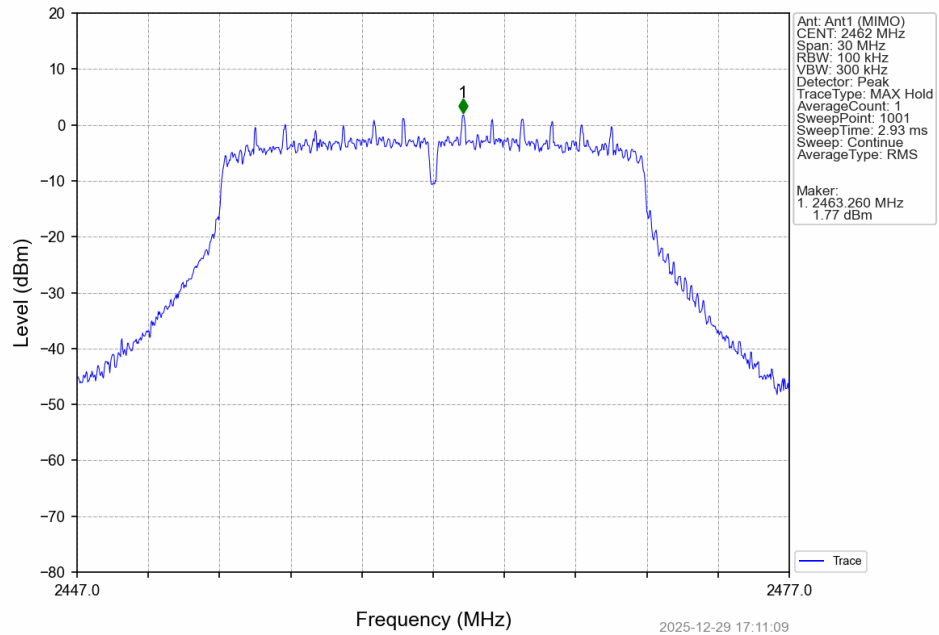
# 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



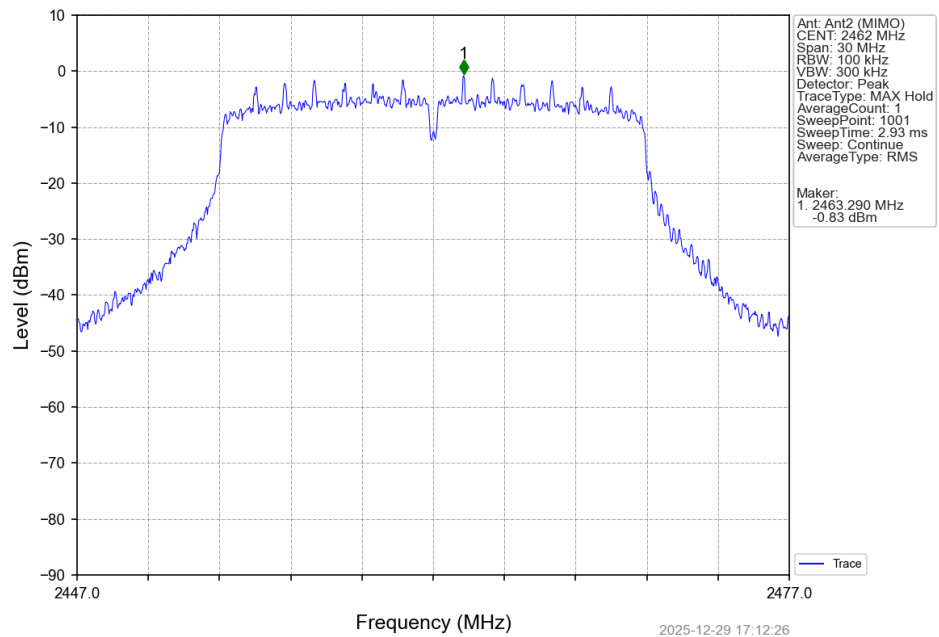
# 802.11n(HT20)\_MCH\_2437MHz\_MIMO\_NTNV



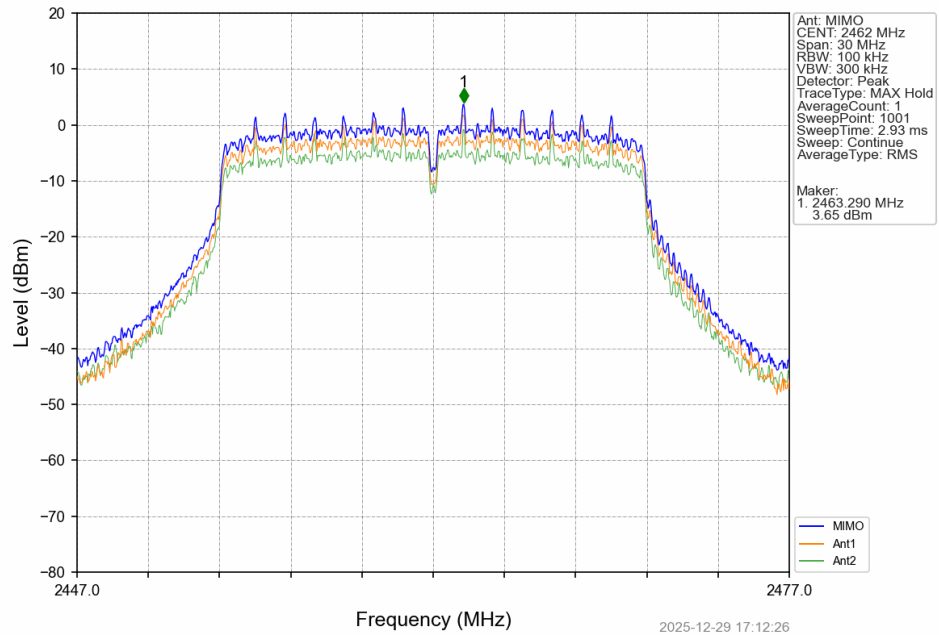
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



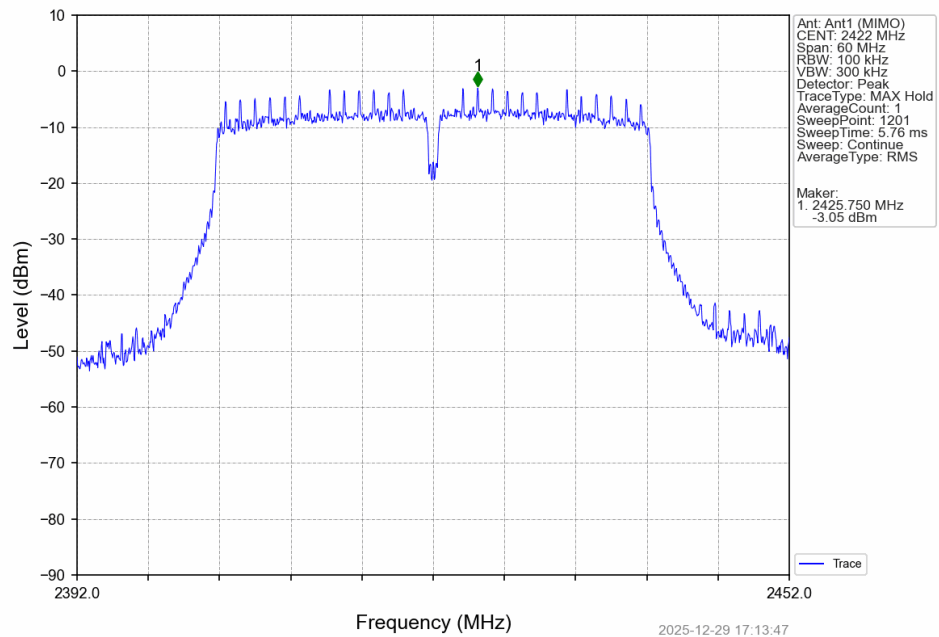
### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



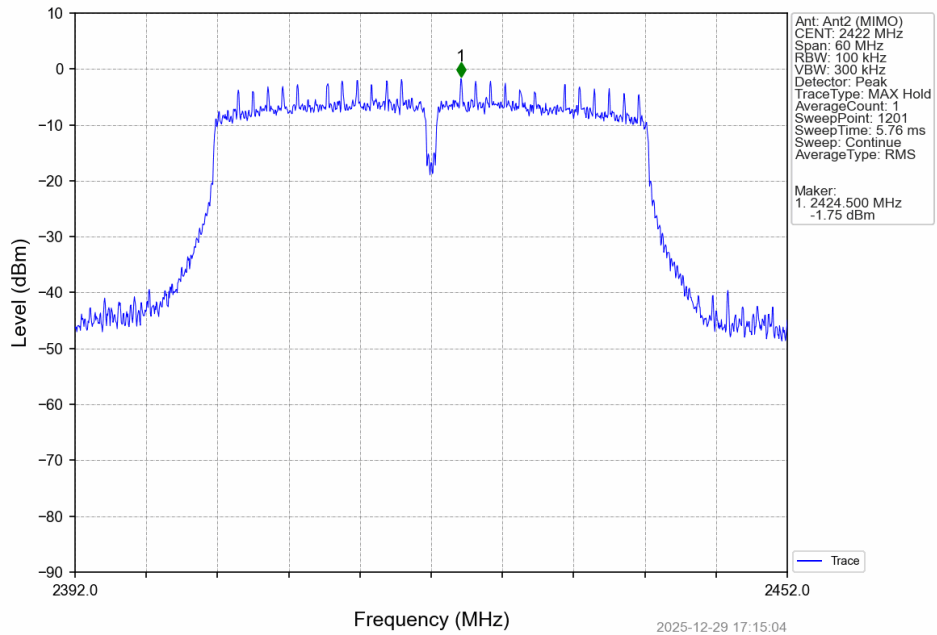
# 802.11n(HT20)\_HCH\_2462MHz\_MIMO\_NTNV



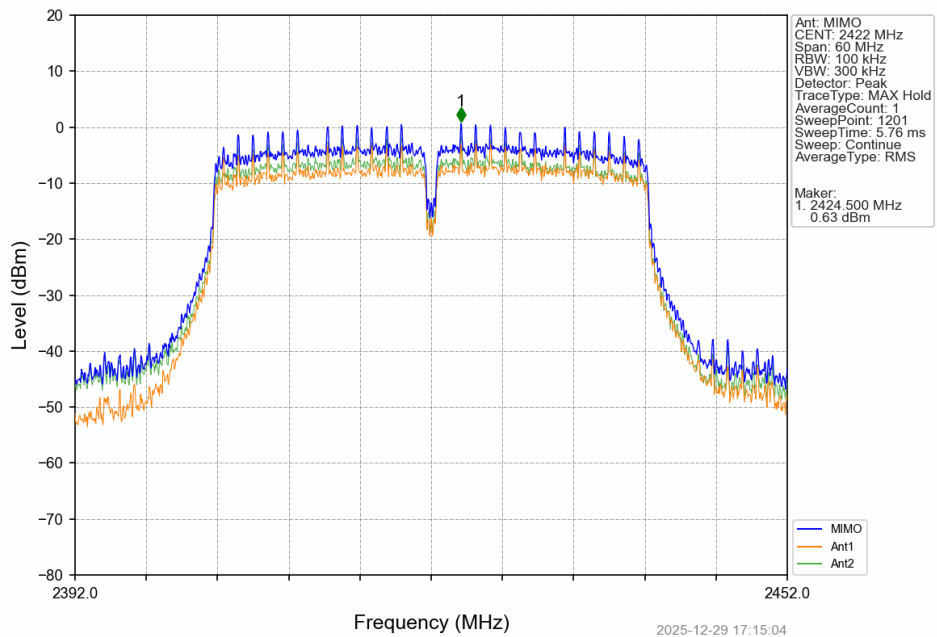
# 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



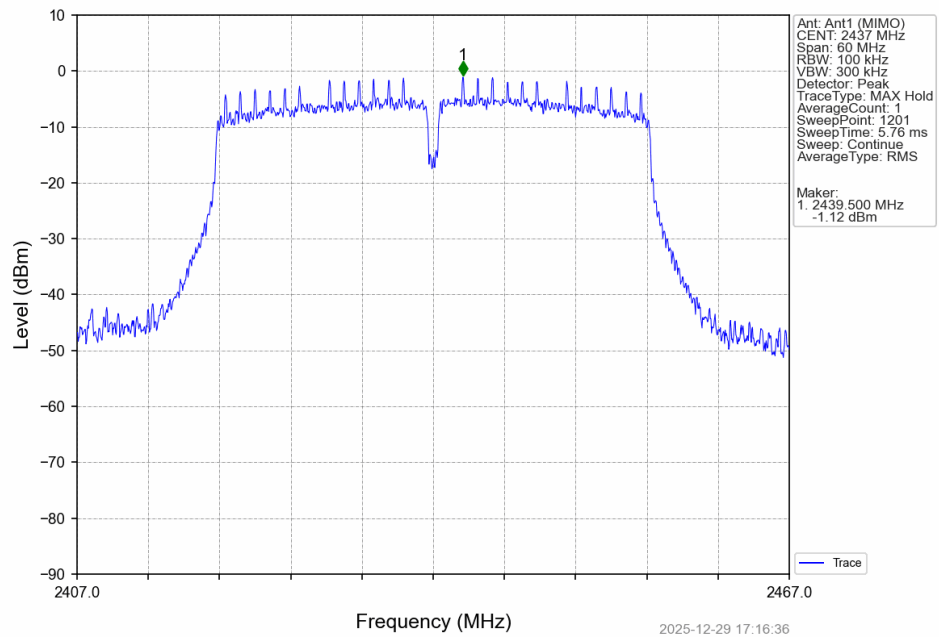
# 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



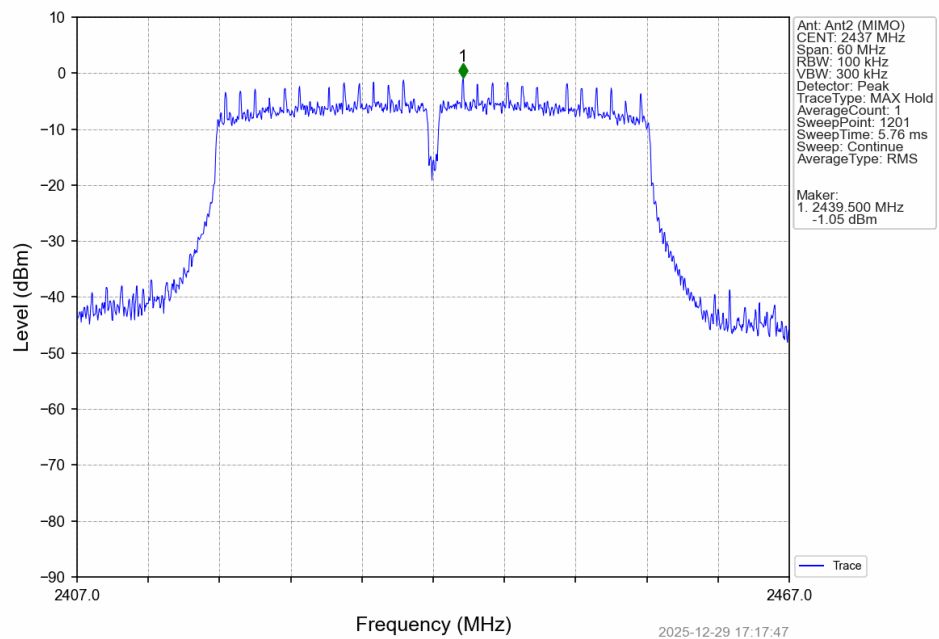
# 802.11n(HT40)\_LCH\_2422MHz\_MIMO\_NTNV



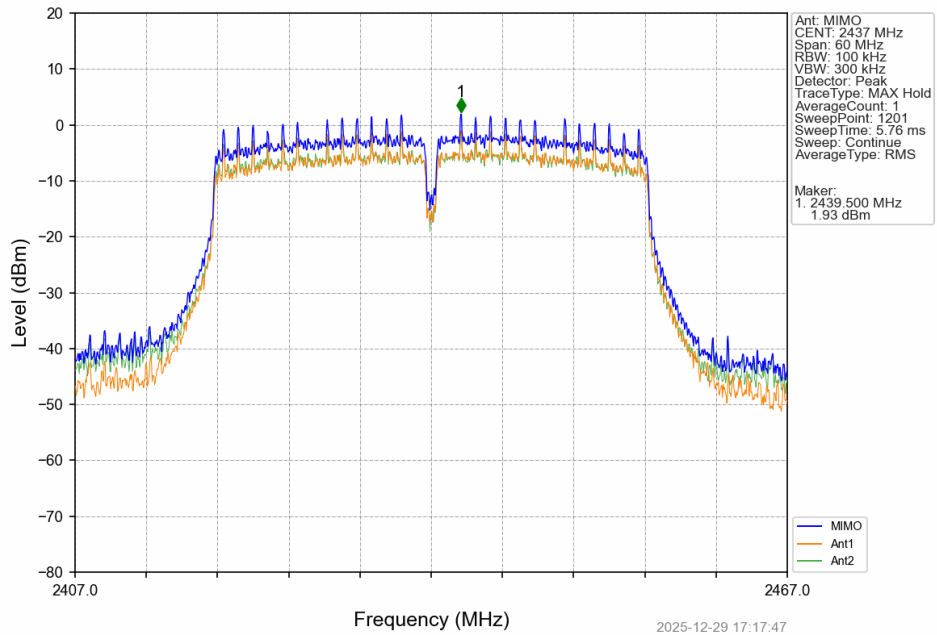
# 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



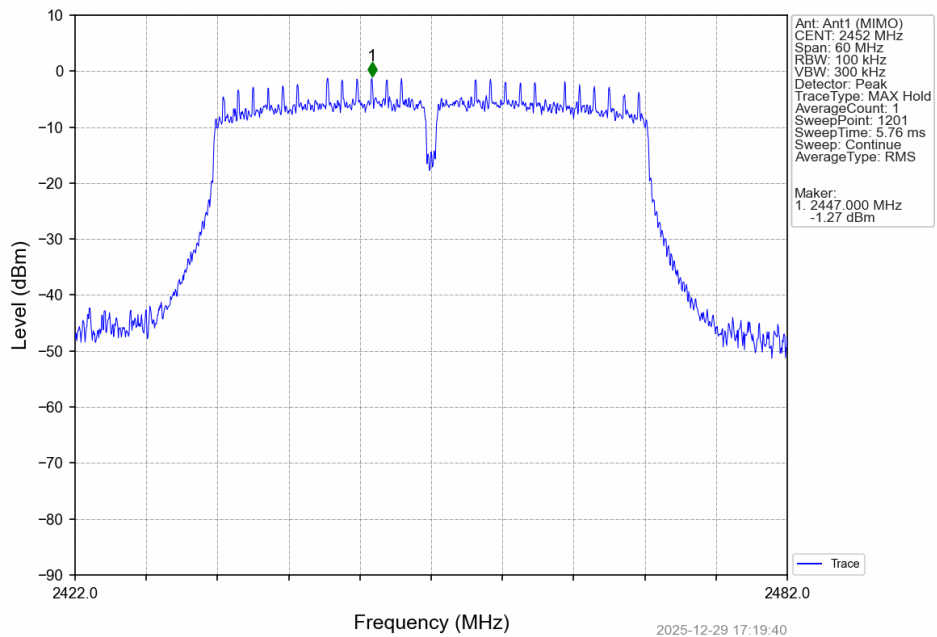
# 802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



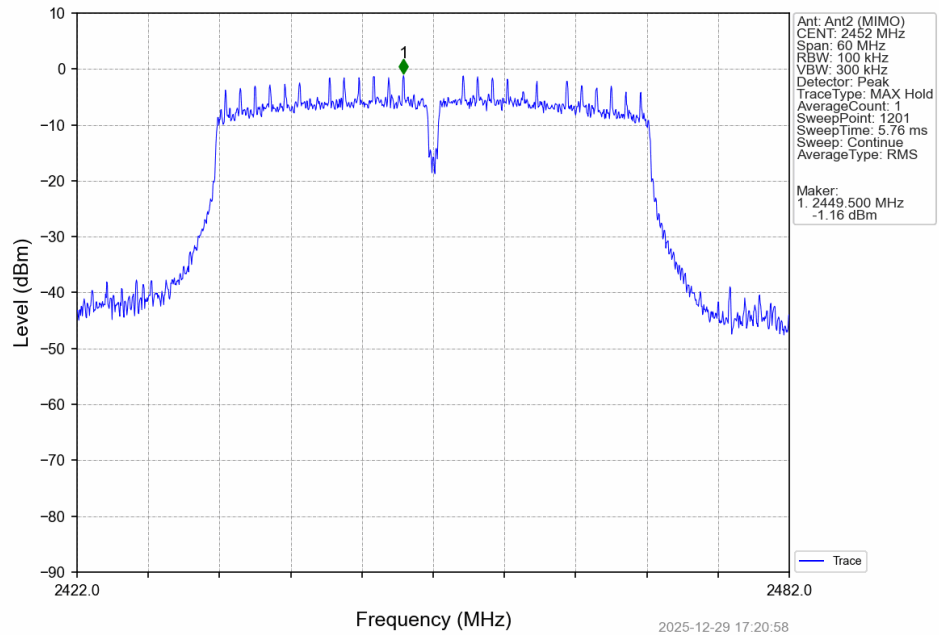
# 802.11n(HT40)\_MCH\_2437MHz\_MIMO\_NTNV



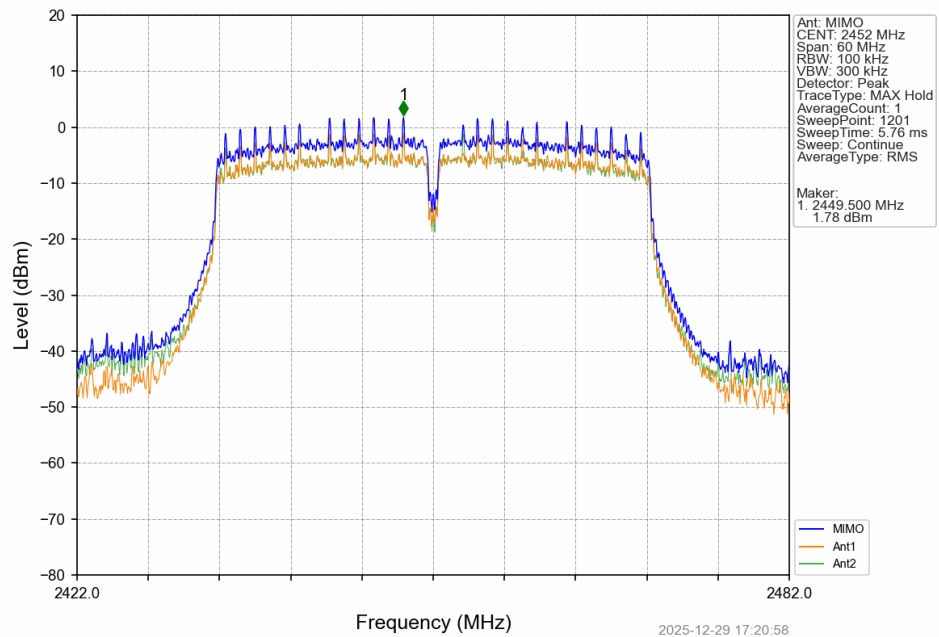
# 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



# 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



# 802.11n(HT40)\_HCH\_2452MHz\_MIMO\_NTNV



## 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   | -0.86                    |
|                |         |                 | 2   | -1.31                    |
|                |         | 2437            | 1   | 0.95                     |
|                |         |                 | 2   | -0.69                    |
|                |         | 2462            | 1   | 1.26                     |
|                |         |                 | 2   | -3.04                    |
| 802.11g        | SISO    | 2412            | 1   | -0.27                    |
|                |         |                 | 2   | 1.07                     |
|                |         | 2437            | 1   | 1.79                     |
|                |         |                 | 2   | 0.86                     |
|                |         | 2462            | 1   | 1.46                     |
|                |         |                 | 2   | -1.29                    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | -0.08                    |
|                |         |                 | 2   | 1.06                     |
|                |         | 2437            | 1   | 1.95                     |
|                |         |                 | 2   | 1.20                     |
|                |         | 2462            | 1   | 1.21                     |
|                |         |                 | 2   | -1.09                    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | -3.08                    |
|                |         |                 | 2   | -1.78                    |
|                |         | 2437            | 1   | -1.44                    |
|                |         |                 | 2   | -1.16                    |
|                |         | 2452            | 1   | -1.27                    |
|                |         |                 | 2   | -1.04                    |

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.

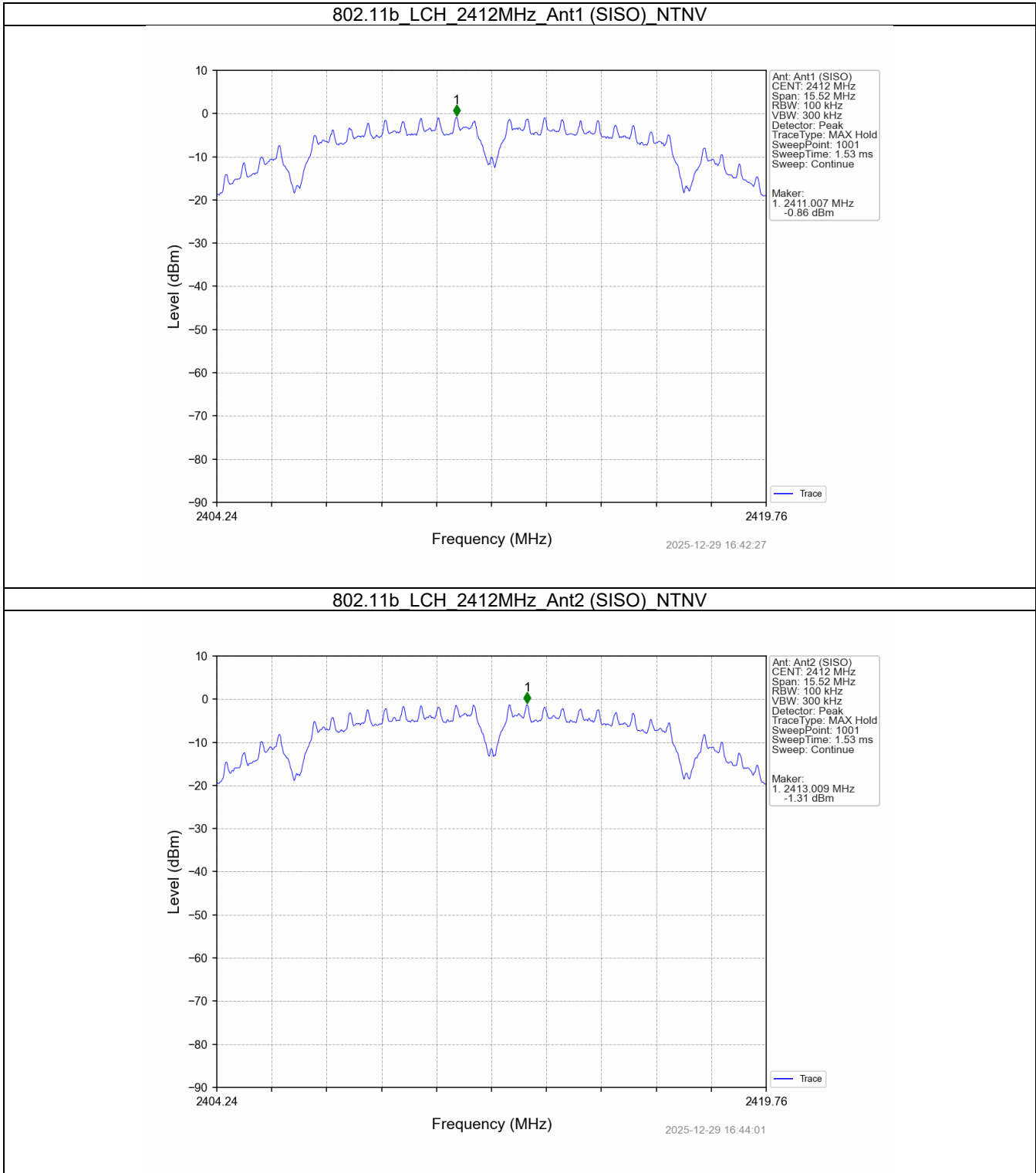
#### 5.1.2 CSE

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | -0.86                    | -20.86      | Pass    |
|                |         |                 | 2   | -1.31                    | -21.31      | Pass    |
|                |         | 2437            | 1   | 0.95                     | -19.05      | Pass    |
|                |         |                 | 2   | -0.69                    | -20.69      | Pass    |
|                |         | 2462            | 1   | 1.26                     | -18.74      | Pass    |
|                |         |                 | 2   | -3.04                    | -23.04      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -0.27                    | -20.27      | Pass    |
|                |         |                 | 2   | 1.07                     | -18.93      | Pass    |
|                |         | 2437            | 1   | 1.79                     | -18.21      | Pass    |
|                |         |                 | 2   | 0.86                     | -19.14      | Pass    |
|                |         | 2462            | 1   | 1.46                     | -18.54      | Pass    |
|                |         |                 | 2   | -1.29                    | -21.29      | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | -0.08                    | -20.08      | Pass    |
|                |         |                 | 2   | 1.06                     | -18.94      | Pass    |
|                |         | 2437            | 1   | 1.95                     | -18.05      | Pass    |

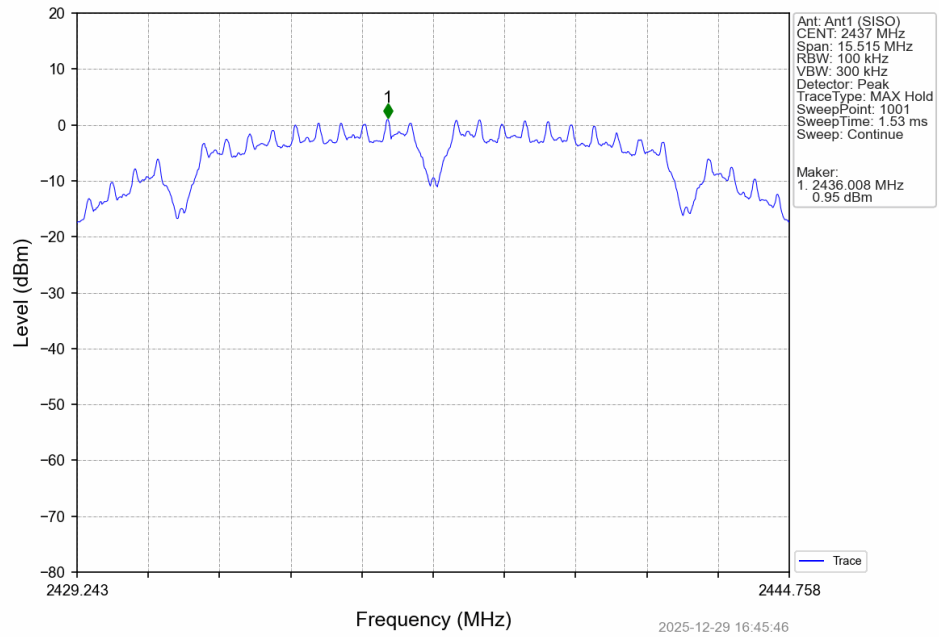
|                   |      |                                                                                                                                                 |   |       |        |      |
|-------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|--------|------|
| 802.11n<br>(HT40) | MIMO | 2462                                                                                                                                            | 2 | 1.20  | -18.80 | Pass |
|                   |      |                                                                                                                                                 | 1 | 1.21  | -18.79 | Pass |
|                   |      |                                                                                                                                                 | 2 | -1.09 | -21.09 | Pass |
|                   |      | 2422                                                                                                                                            | 1 | -3.08 | -23.08 | Pass |
|                   |      |                                                                                                                                                 | 2 | -1.78 | -21.78 | Pass |
|                   |      | 2437                                                                                                                                            | 1 | -1.44 | -21.44 | Pass |
|                   |      |                                                                                                                                                 | 2 | -1.16 | -21.16 | Pass |
|                   |      | 2452                                                                                                                                            | 1 | -1.27 | -21.27 | Pass |
|                   |      |                                                                                                                                                 | 2 | -1.04 | -21.04 | 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

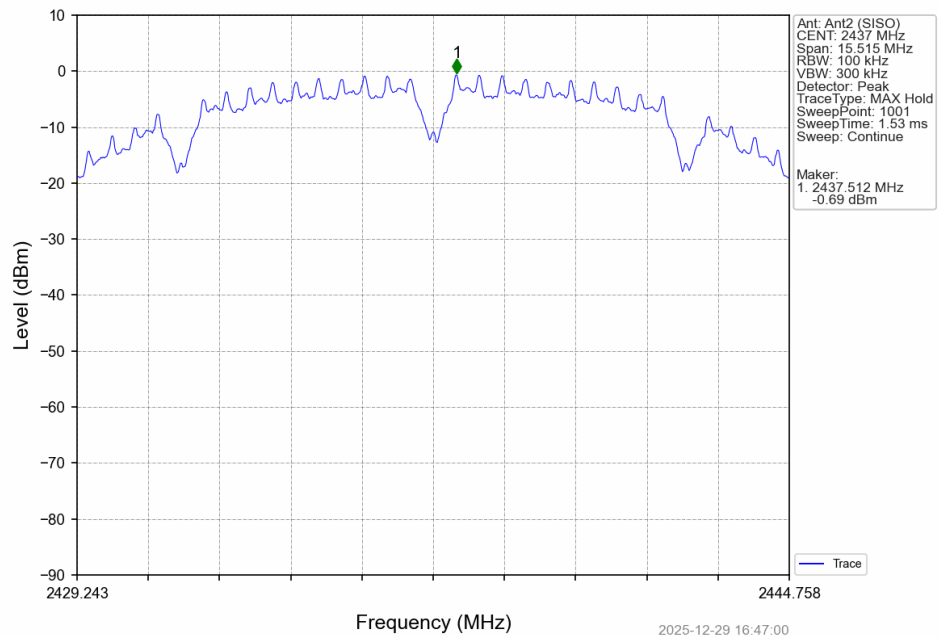
5.2.1 Ref



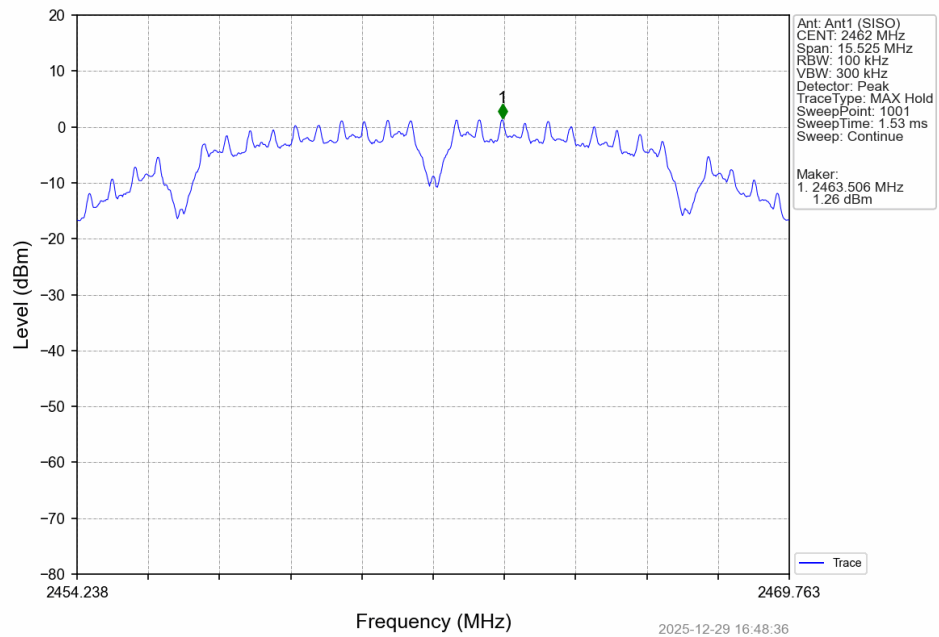
### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



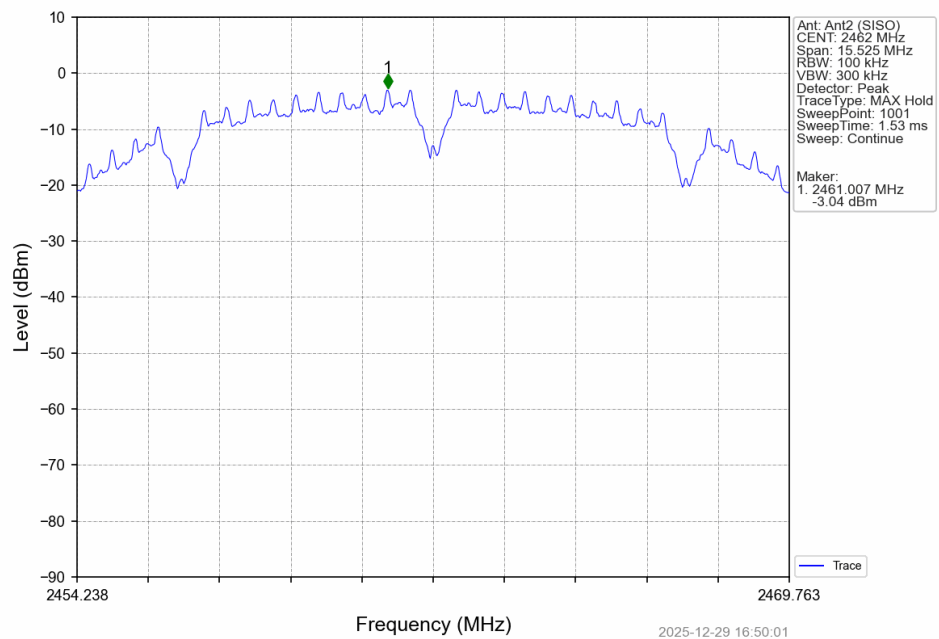
### 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



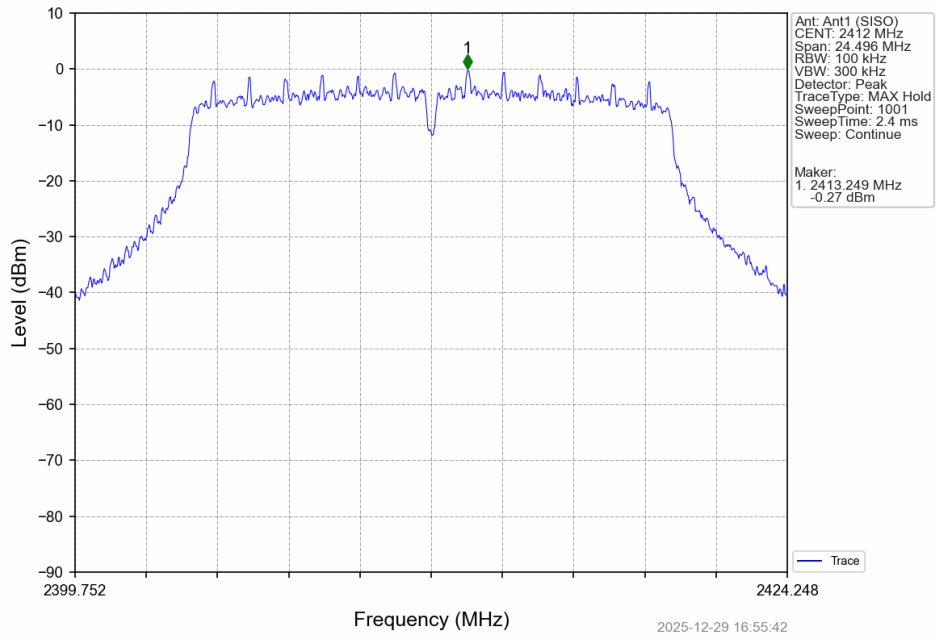
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



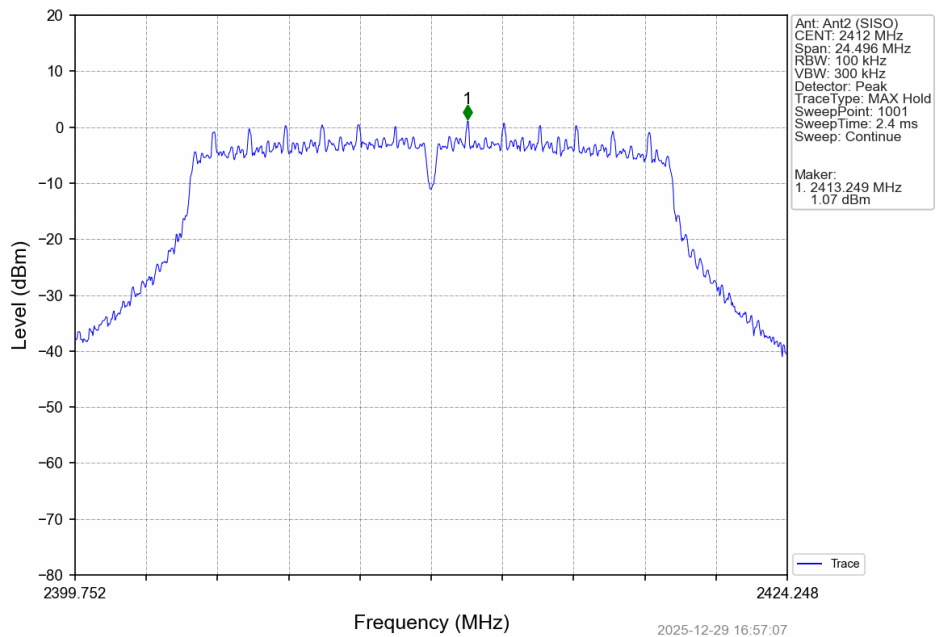
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



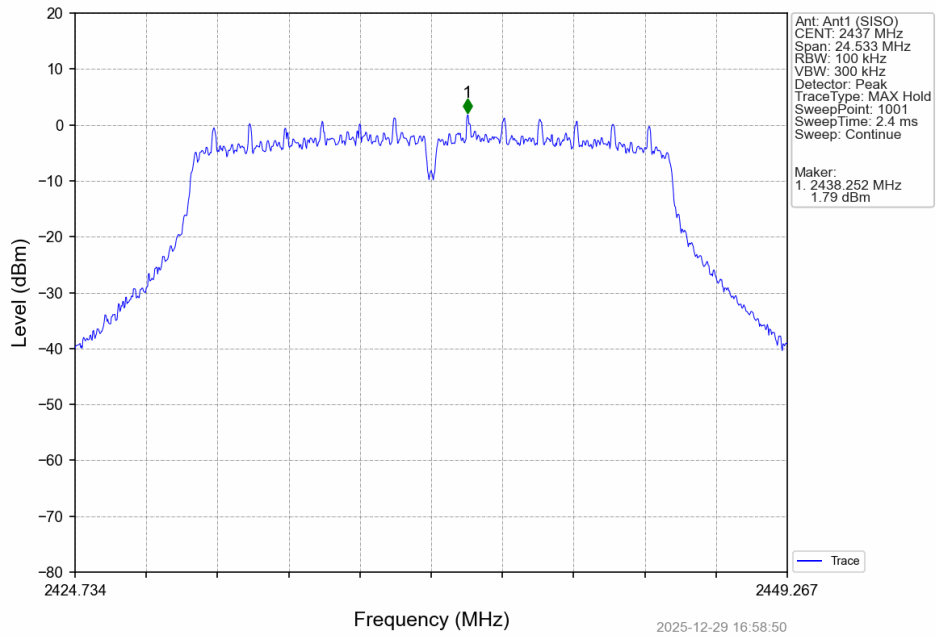
# 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



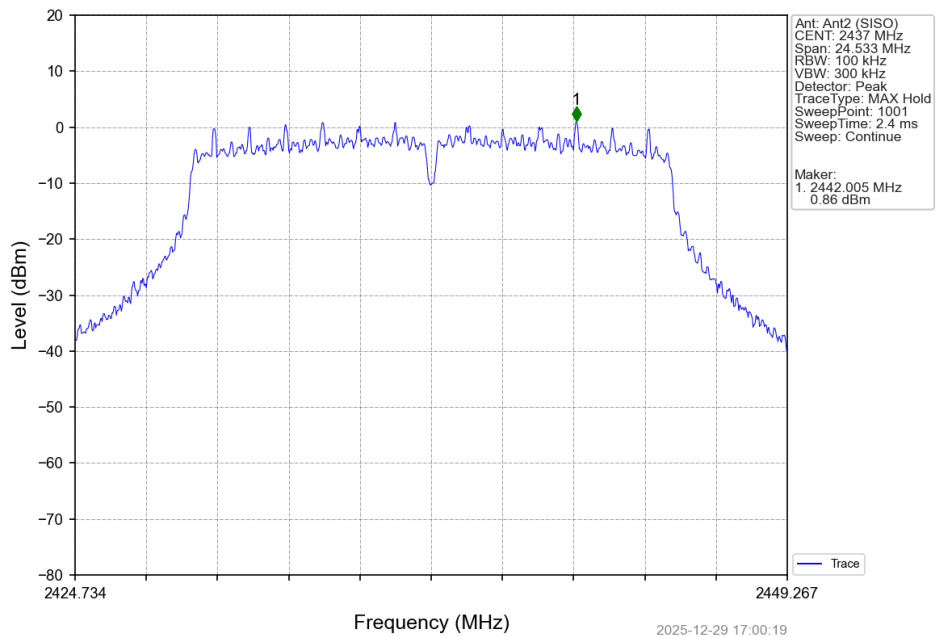
# 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



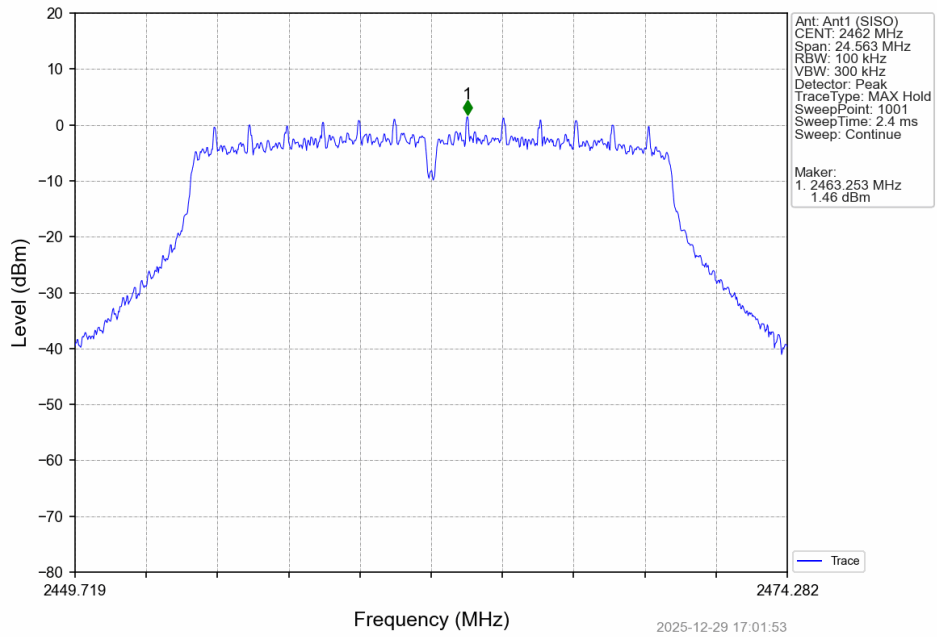
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



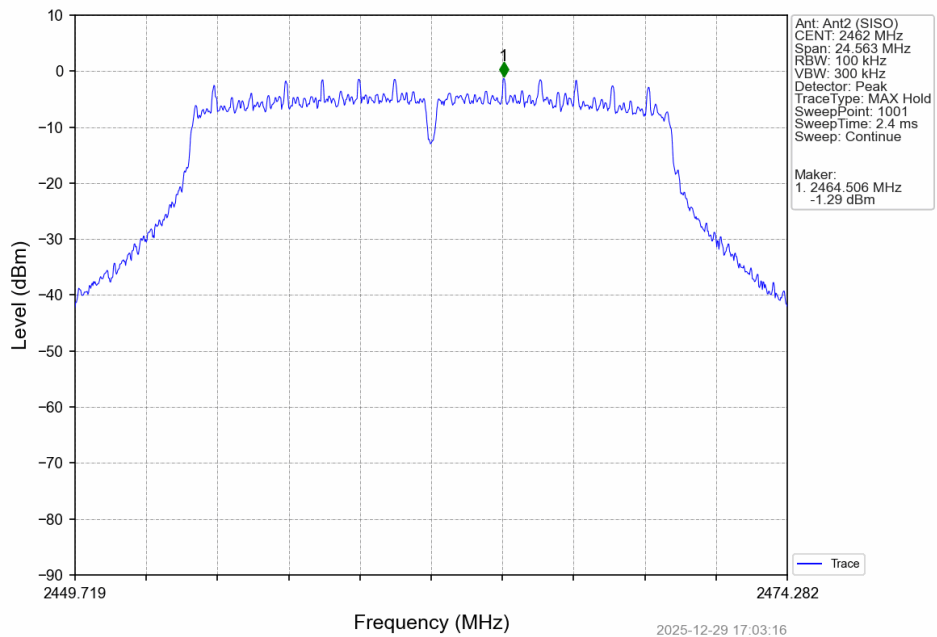
### 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



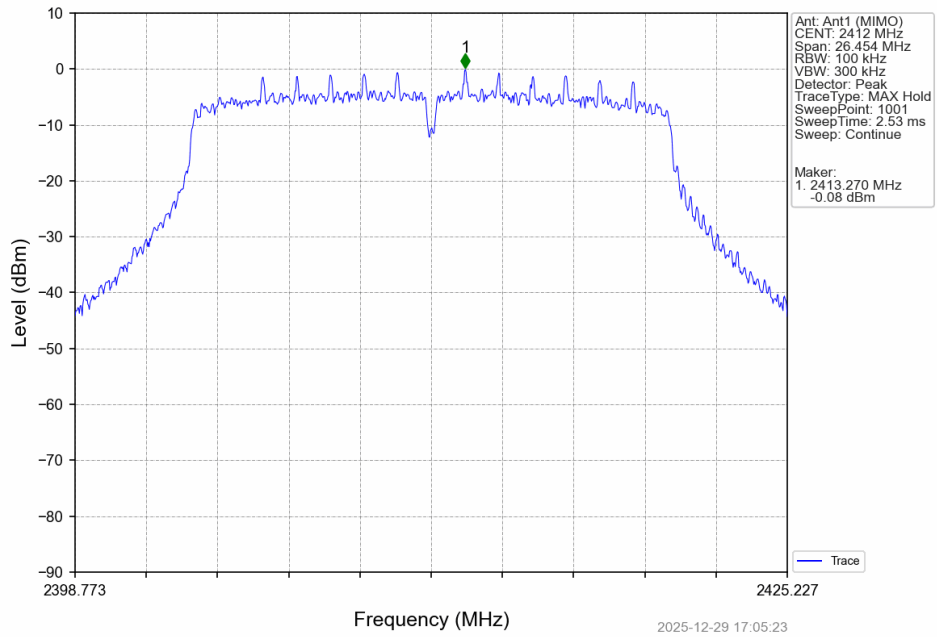
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



### 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



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



# 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

