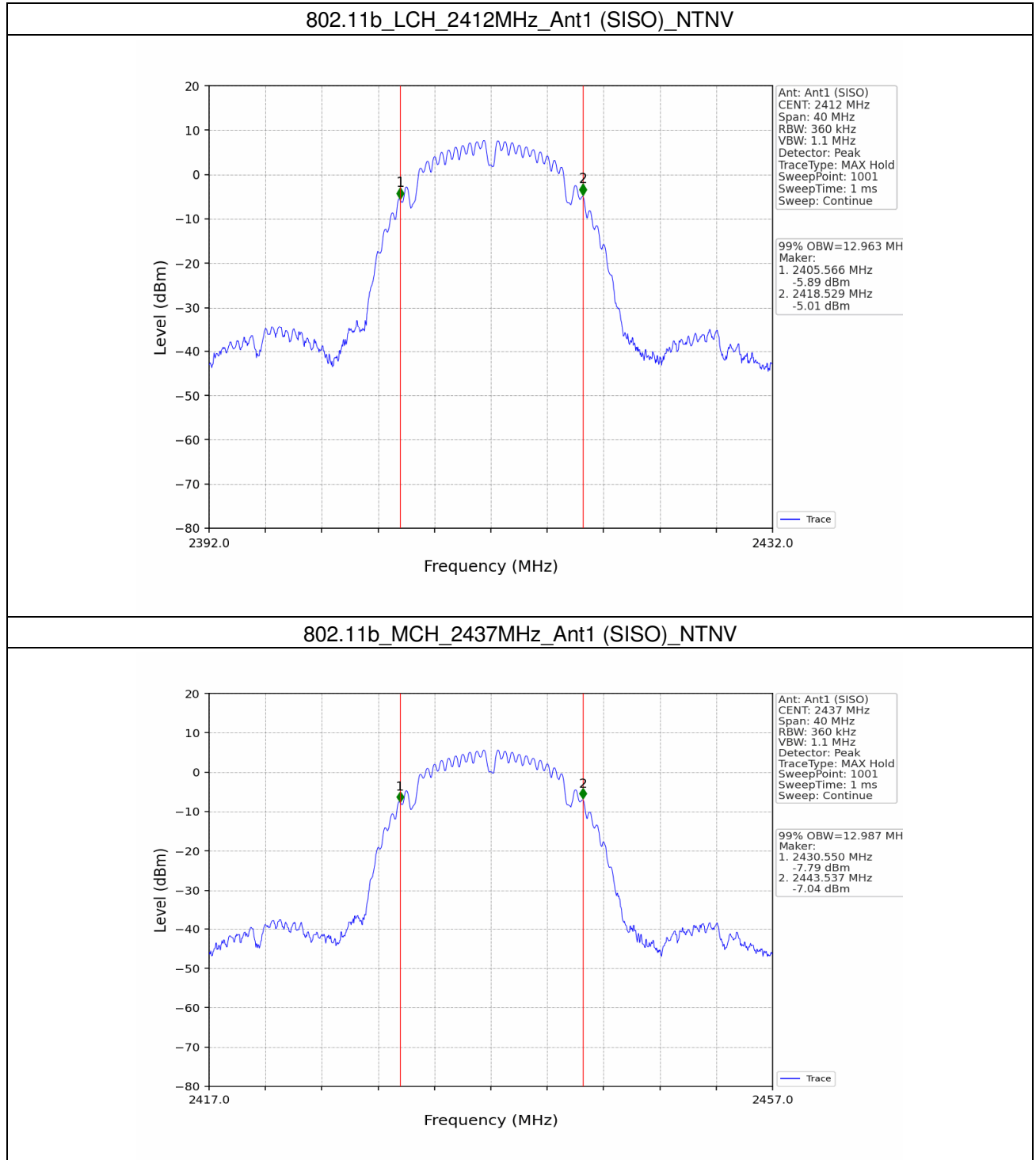


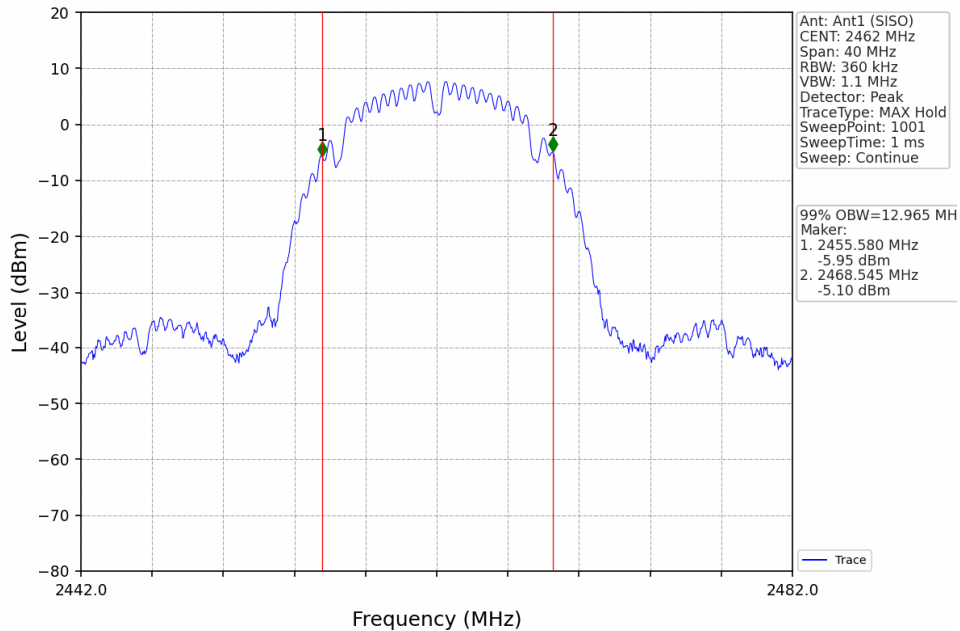
### 2.1.2 Test Graph



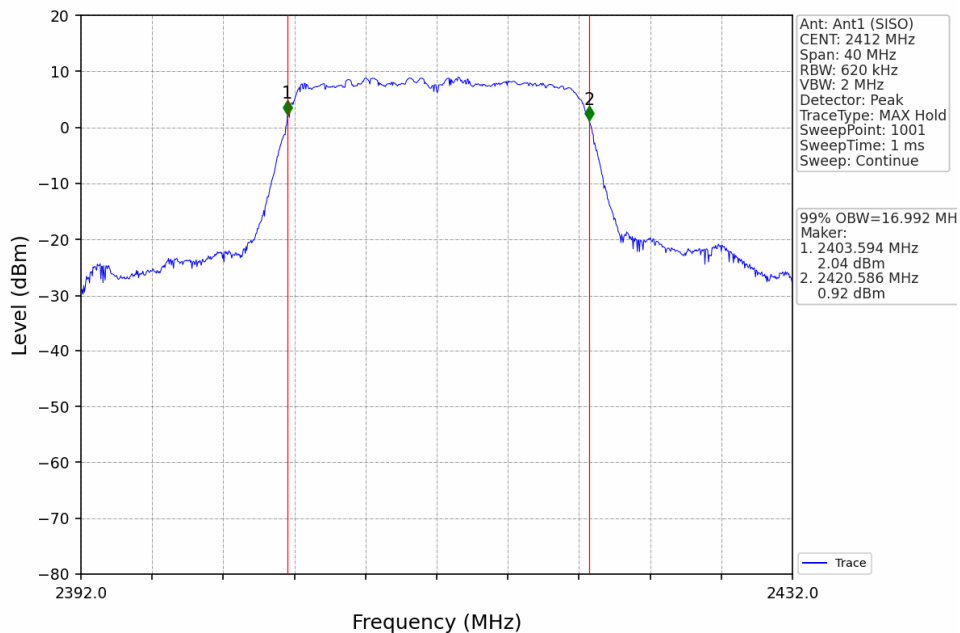
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



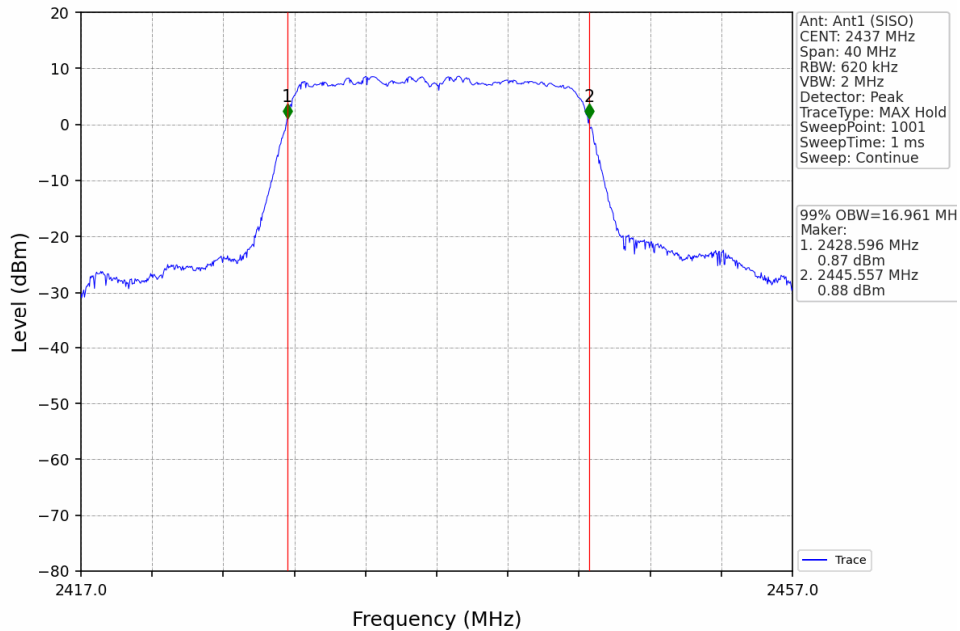
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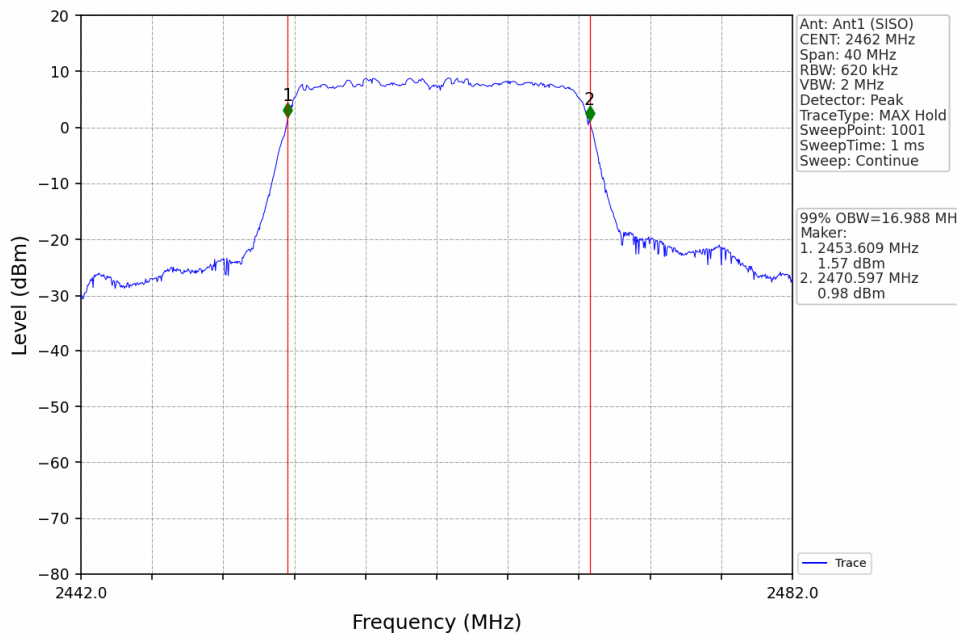
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



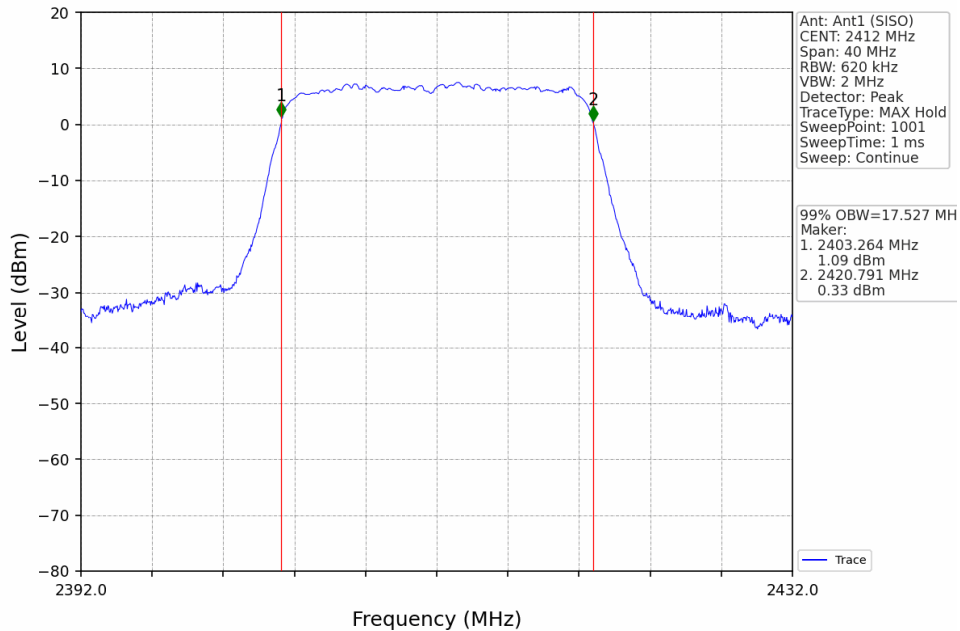
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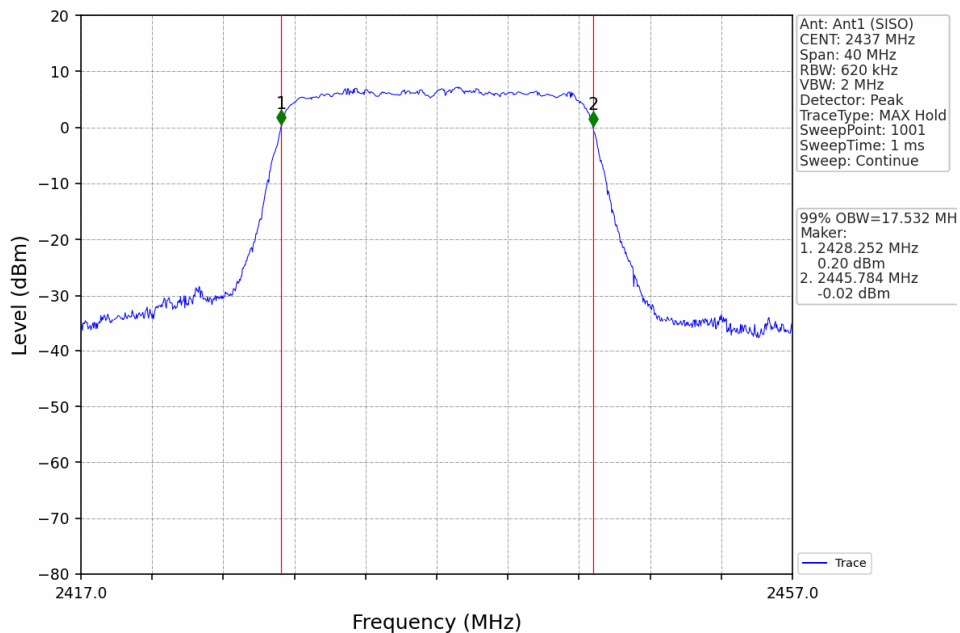
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



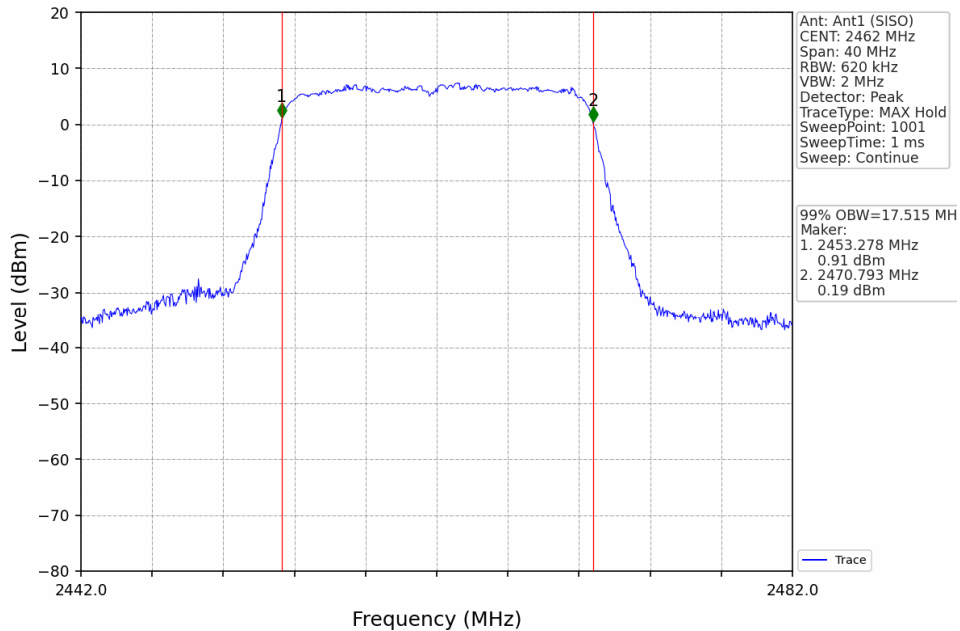
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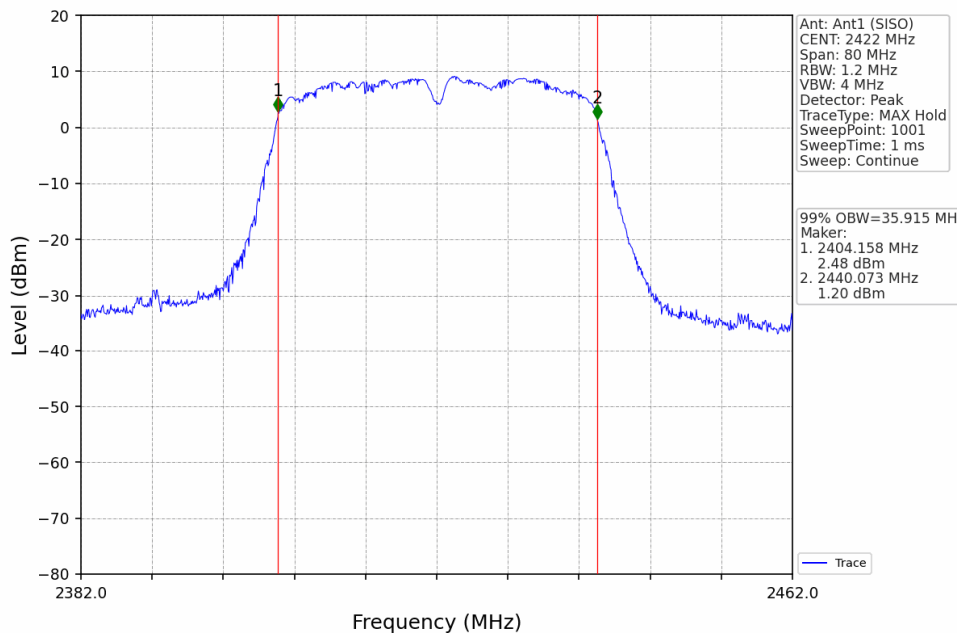
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



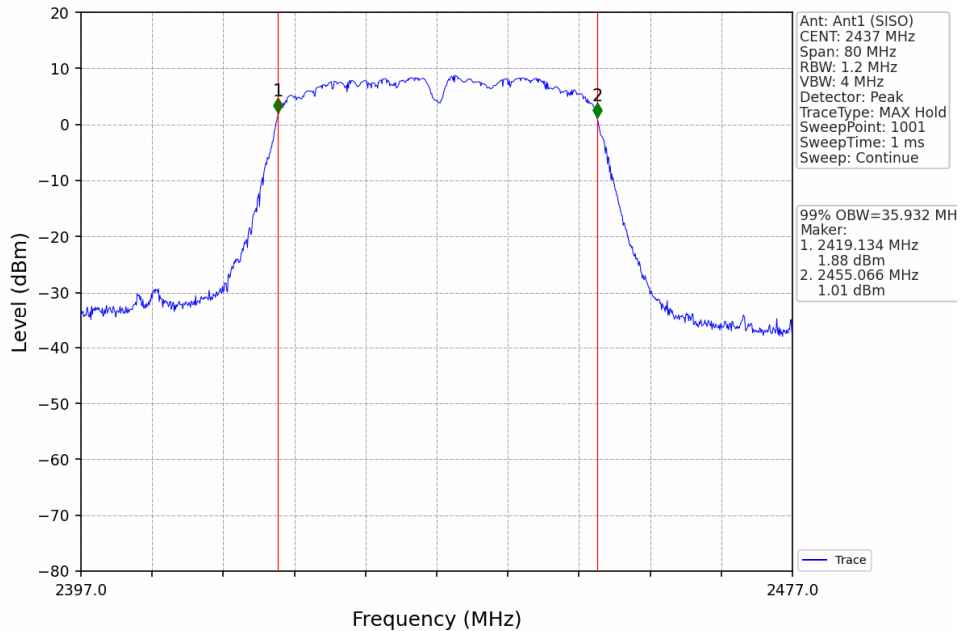
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



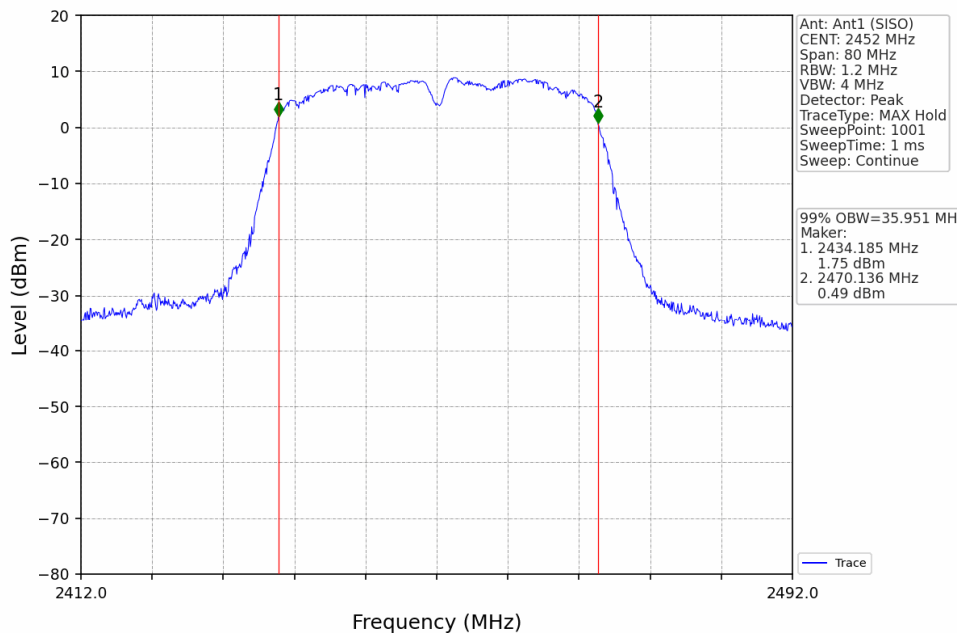
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231000347704

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## 2.2 6dB BW

### 2.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 9.154               | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 9.158               | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 9.157               | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.067              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.080              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.090              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 16.170              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 15.522              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 15.684              | $\geq 0.5$ | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | 35.128              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 35.128              | $\geq 0.5$ | Pass    |
|                |         | 2452            | 1   | 35.071              | $\geq 0.5$ | Pass    |

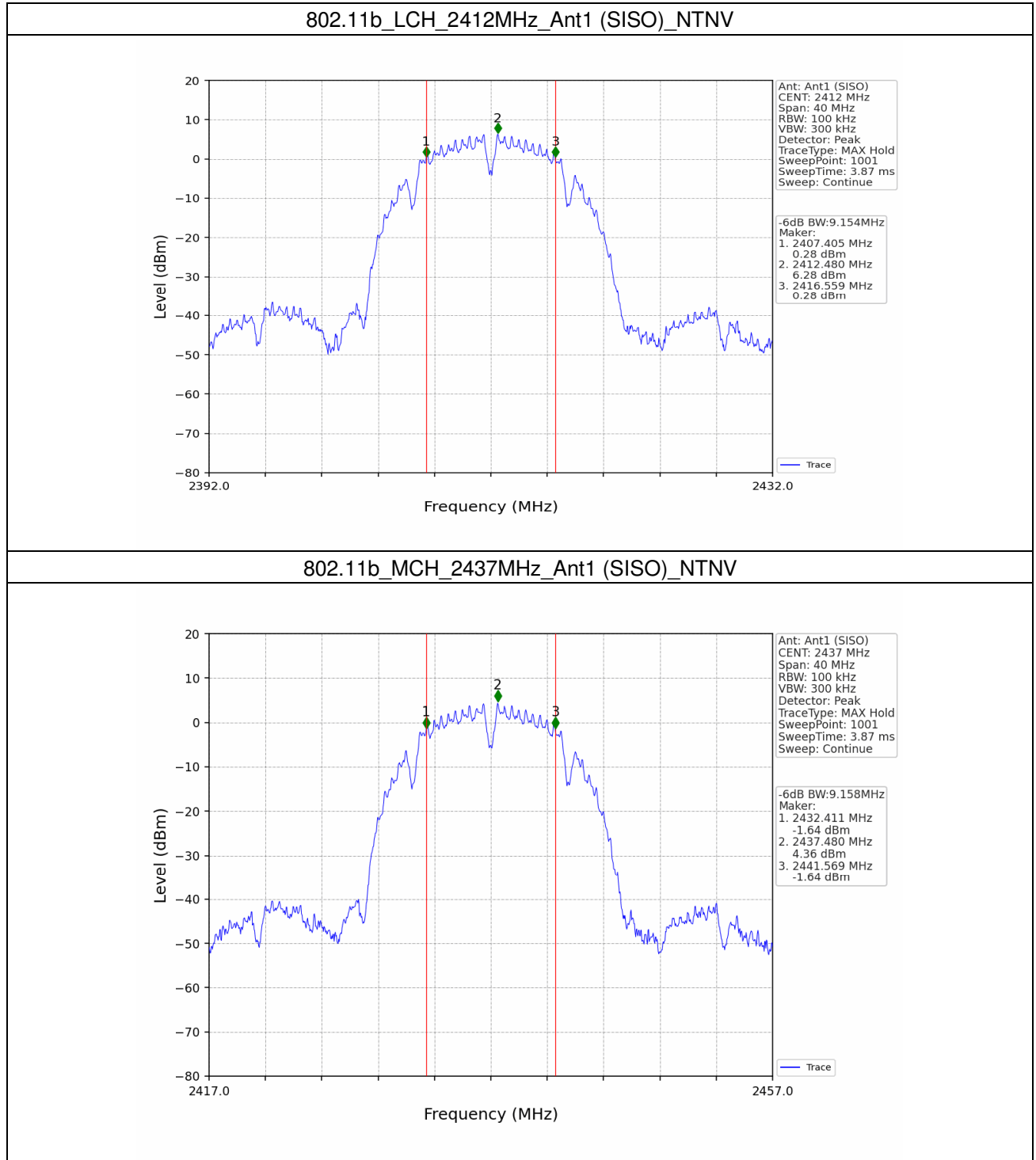


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### 2.2.2 Test Graph



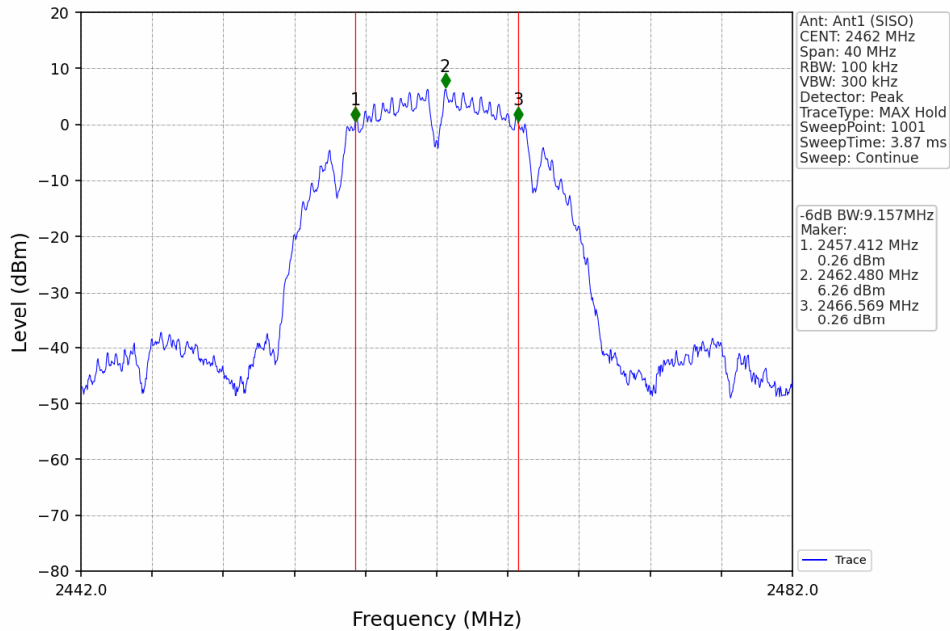
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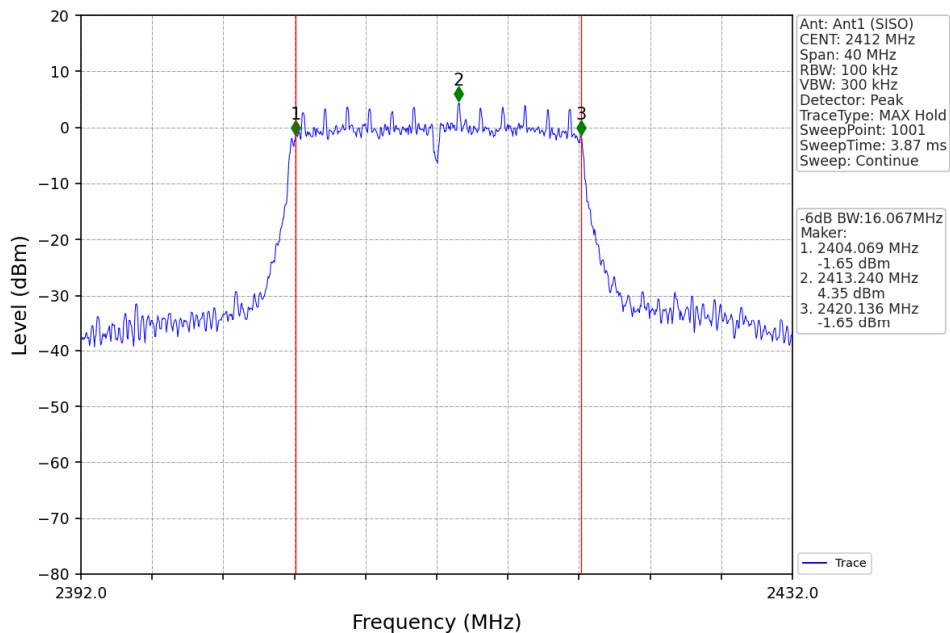
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



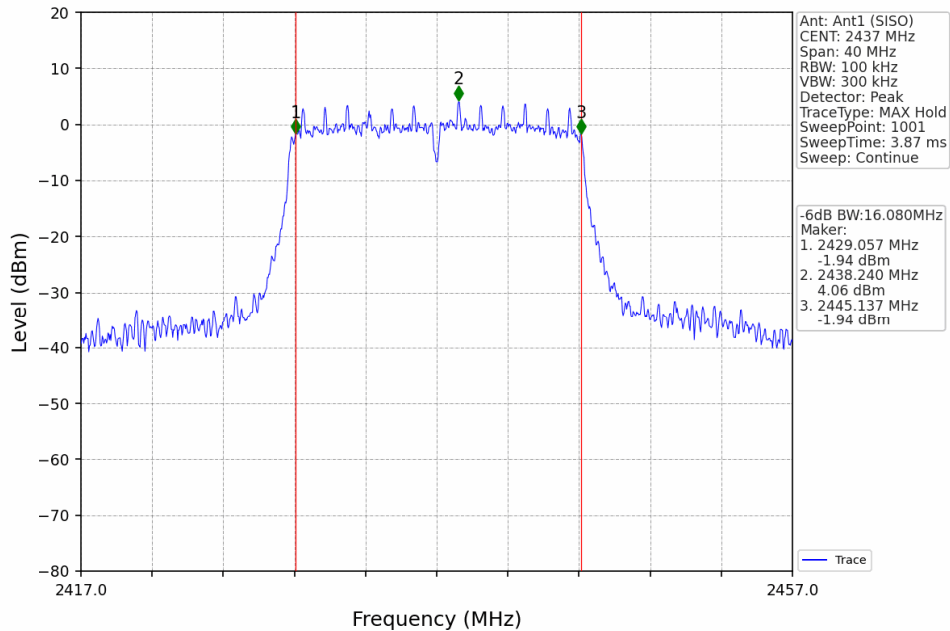
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



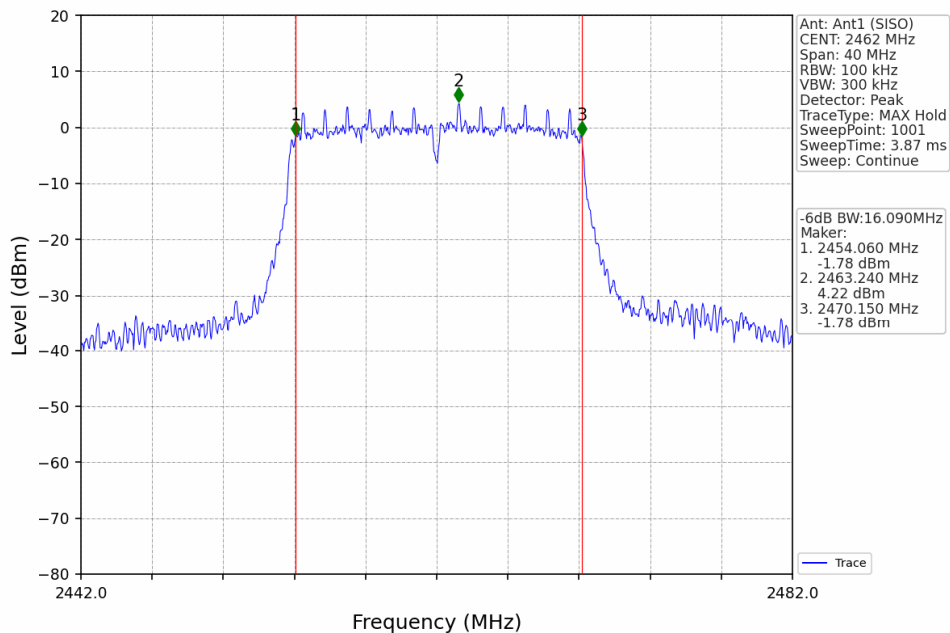
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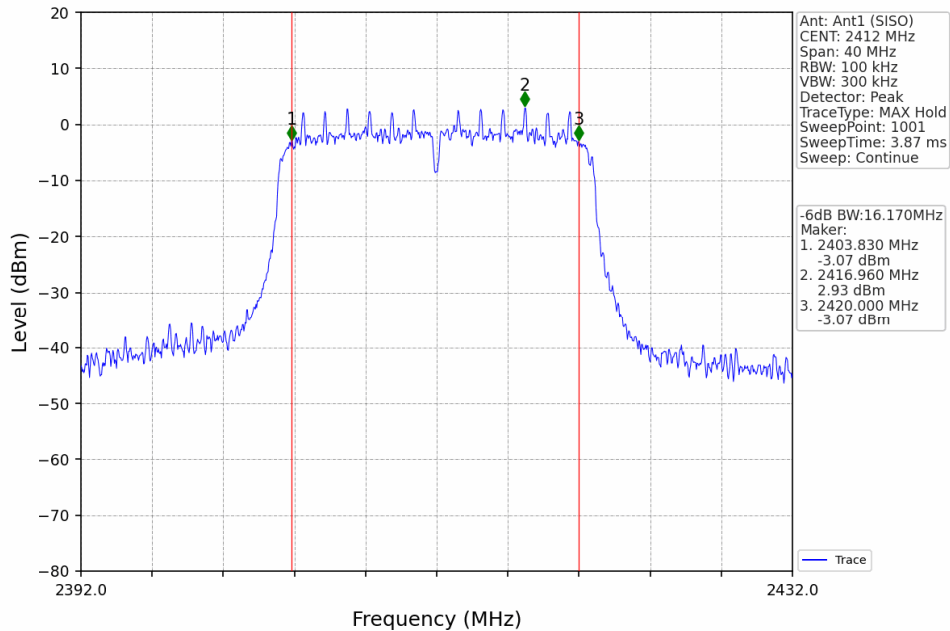
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



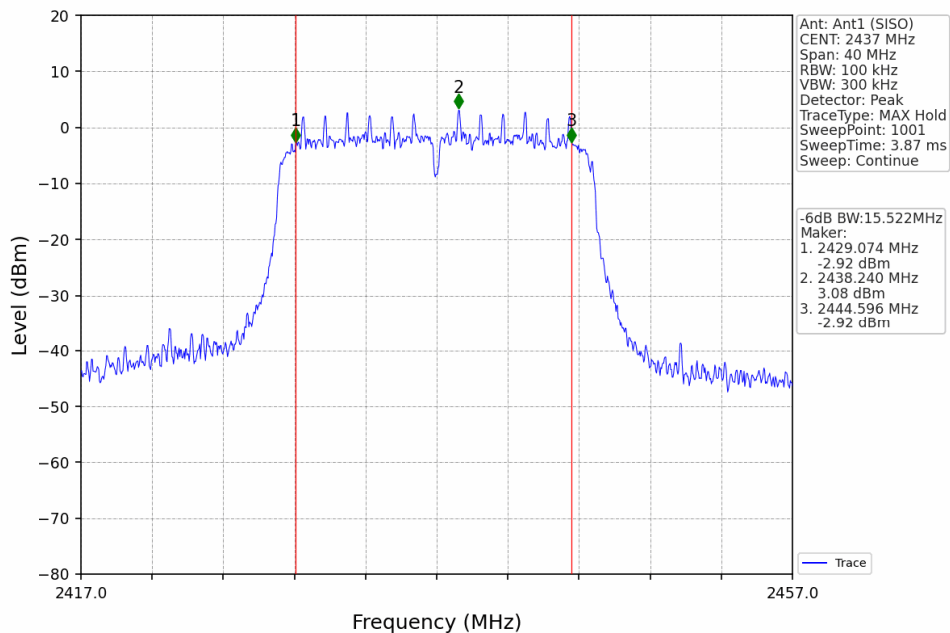
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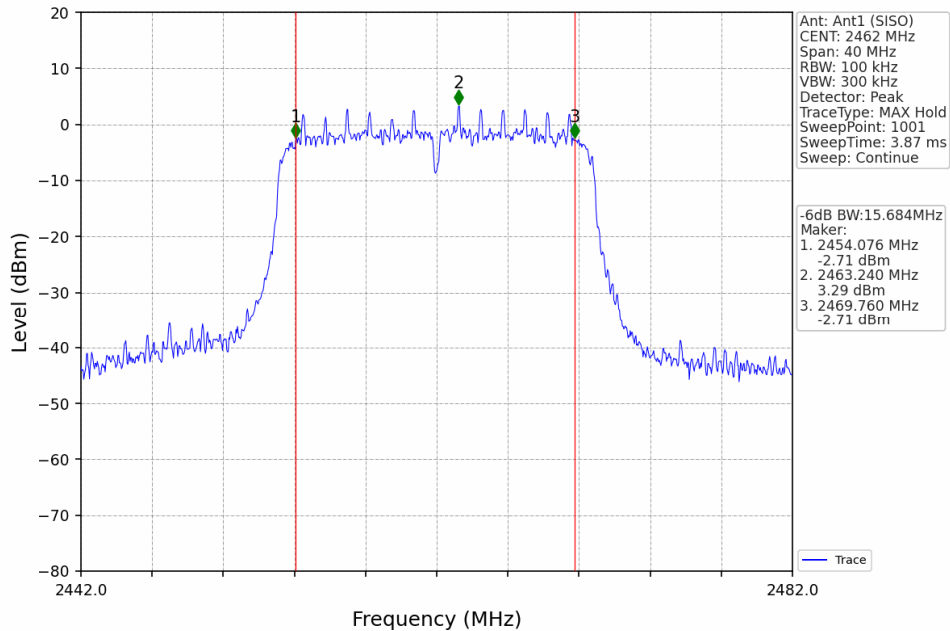
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



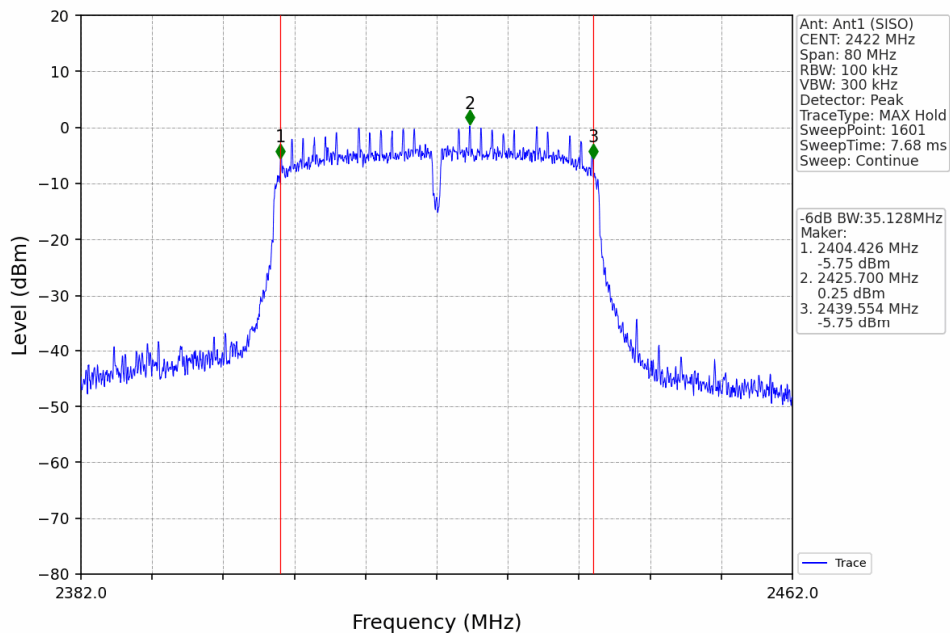
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



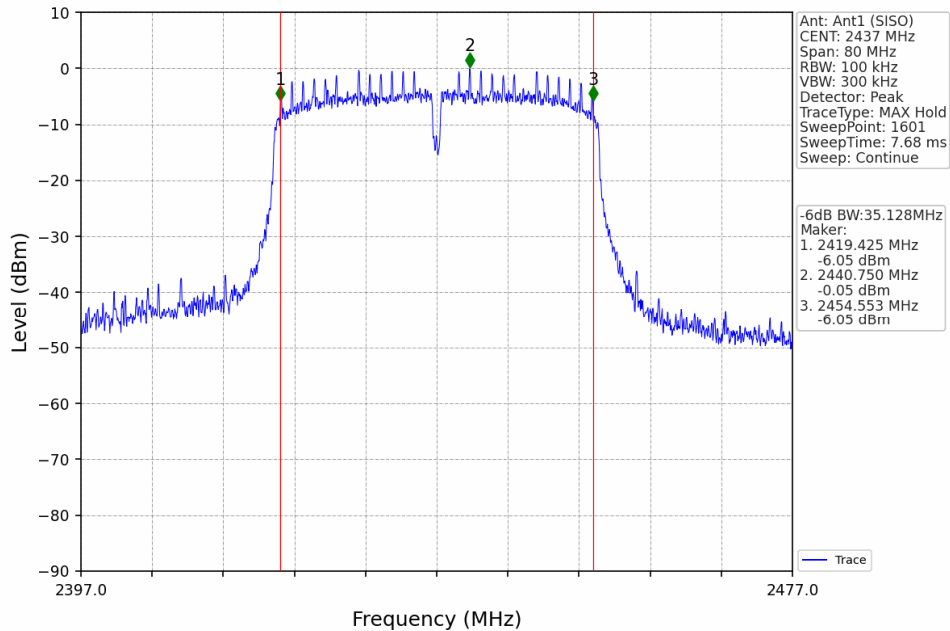
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



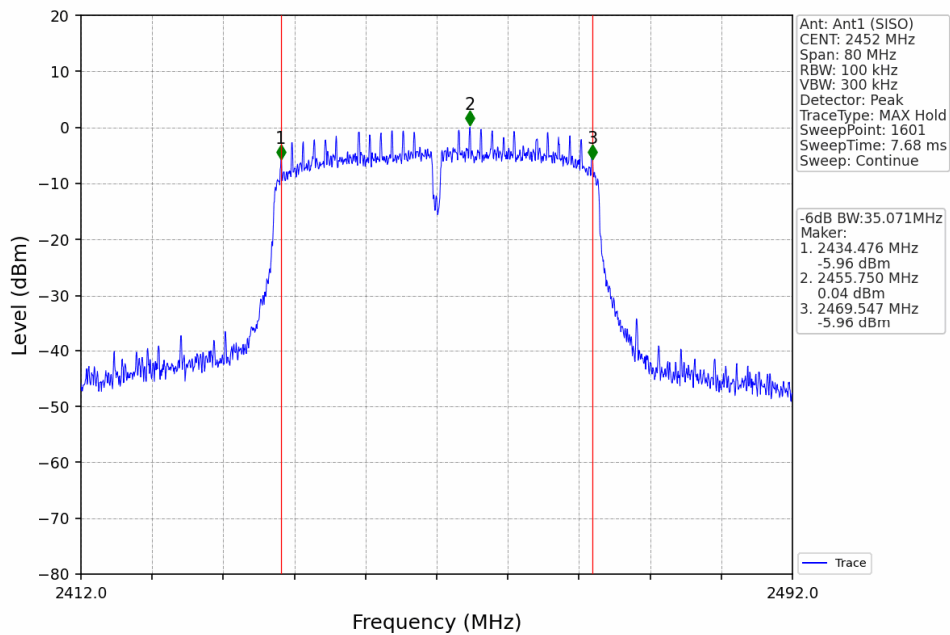
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



## 3. Maximum Conducted Output Power

### 3.1 Power

#### 3.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |       | Verdict |
|----------------|---------|-----------------|----------------------------------------------|-------|---------|
|                |         |                 | ANT1                                         | Limit |         |
| 802.11b        | SISO    | 2412            | 15.74                                        | <=30  | Pass    |
|                |         | 2437            | 15.15                                        | <=30  | Pass    |
|                |         | 2462            | 15.69                                        | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 14.89                                        | <=30  | Pass    |
|                |         | 2437            | 14.63                                        | <=30  | Pass    |
|                |         | 2462            | 15.29                                        | <=30  | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 14.06                                        | <=30  | Pass    |
|                |         | 2437            | 13.38                                        | <=30  | Pass    |
|                |         | 2462            | 13.47                                        | <=30  | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 13.56                                        | <=30  | Pass    |
|                |         | 2437            | 13.00                                        | <=30  | Pass    |
|                |         | 2452            | 13.04                                        | <=30  | Pass    |



## 4. Maximum Power Spectral Density

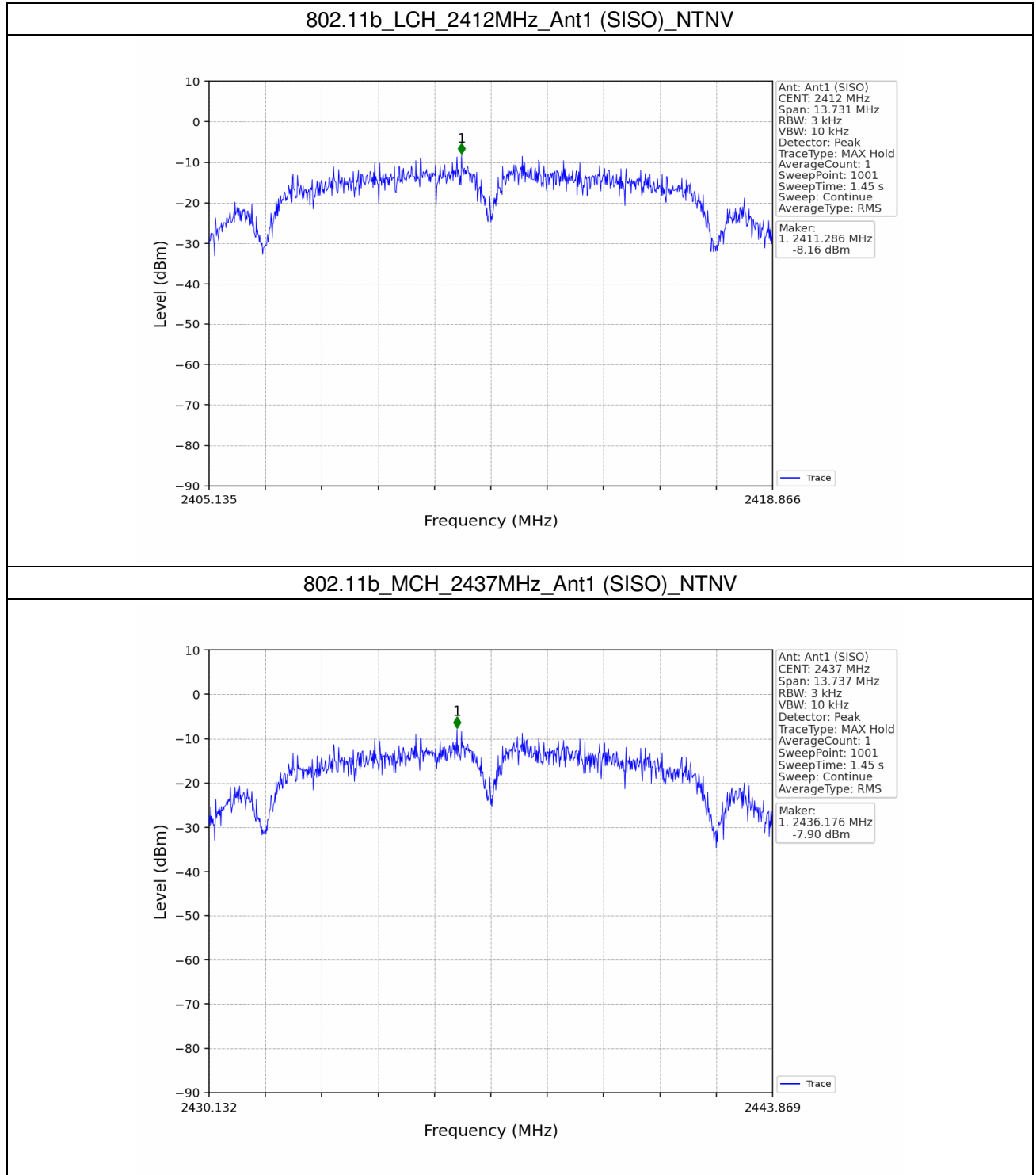
### 4.1 PSD

#### 4.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -8.16                  | <=8   | Pass    |
|                |         | 2437            | -7.90                  | <=8   | Pass    |
|                |         | 2462            | -7.72                  | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -11.09                 | <=8   | Pass    |
|                |         | 2437            | -11.52                 | <=8   | Pass    |
|                |         | 2462            | -11.07                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -11.75                 | <=8   | Pass    |
|                |         | 2437            | -12.55                 | <=8   | Pass    |
|                |         | 2462            | -11.84                 | <=8   | Pass    |
| 802.11n (HT40) | SISO    | 2422            | -15.24                 | <=8   | Pass    |
|                |         | 2437            | -13.61                 | <=8   | Pass    |
|                |         | 2452            | -13.79                 | <=8   | Pass    |



### 4.1.2 Test Graph



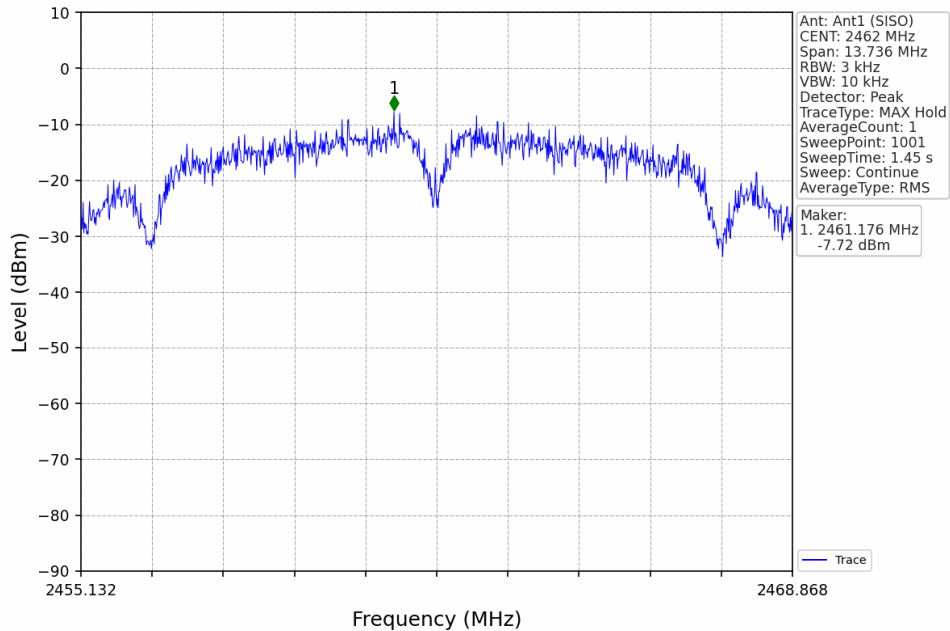
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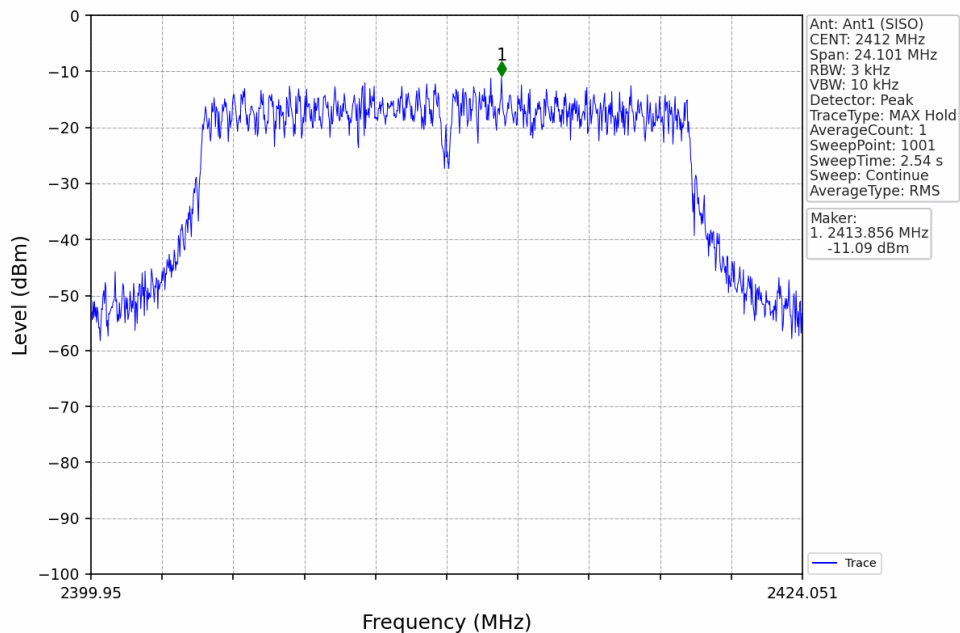
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



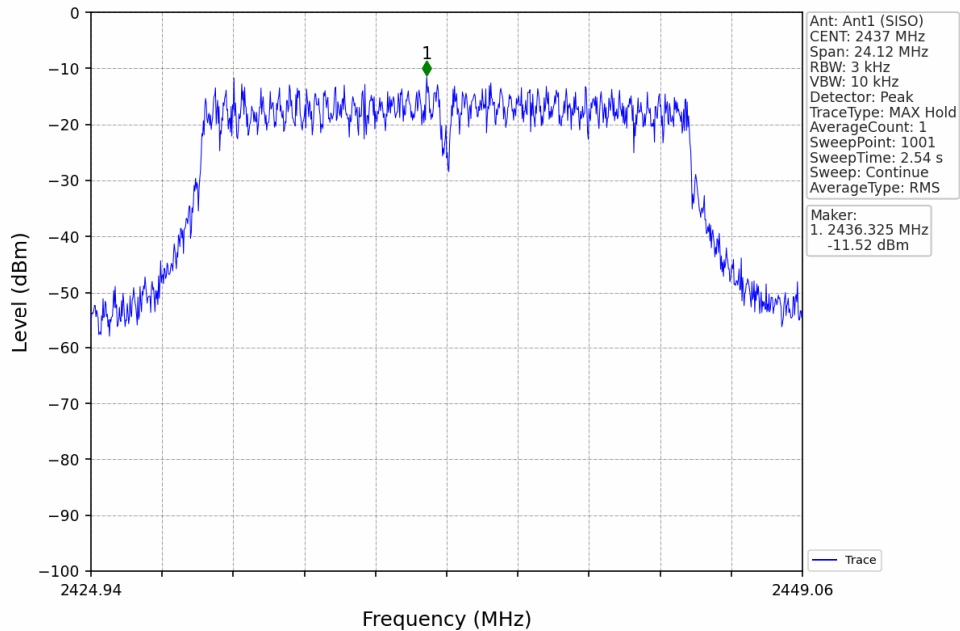
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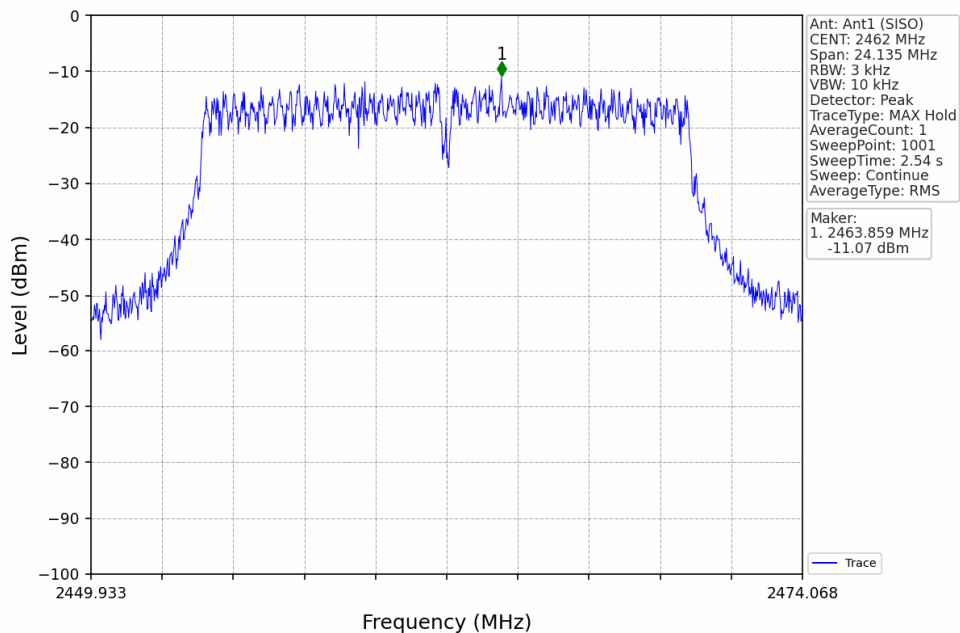
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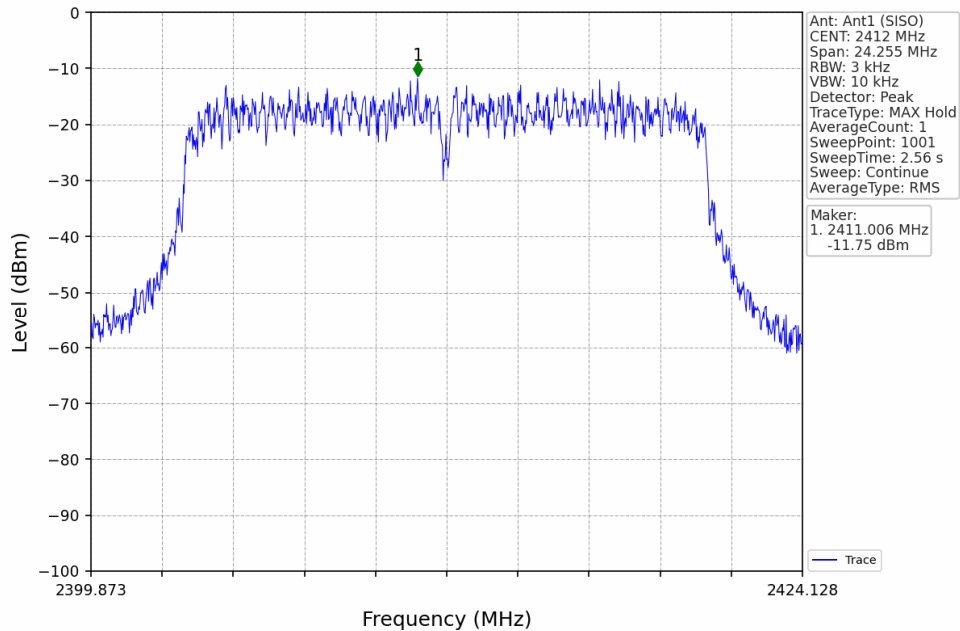
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



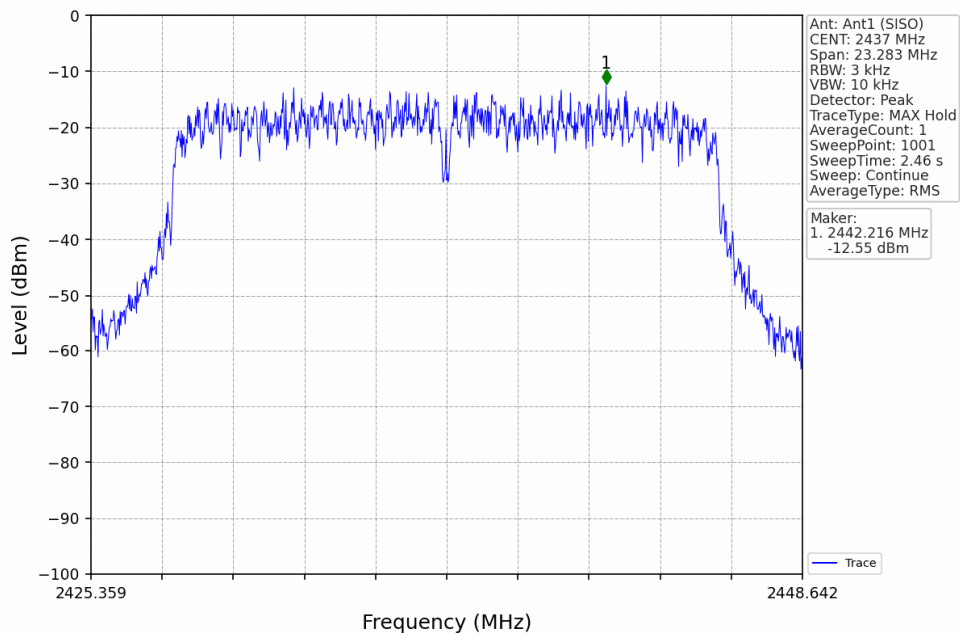
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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



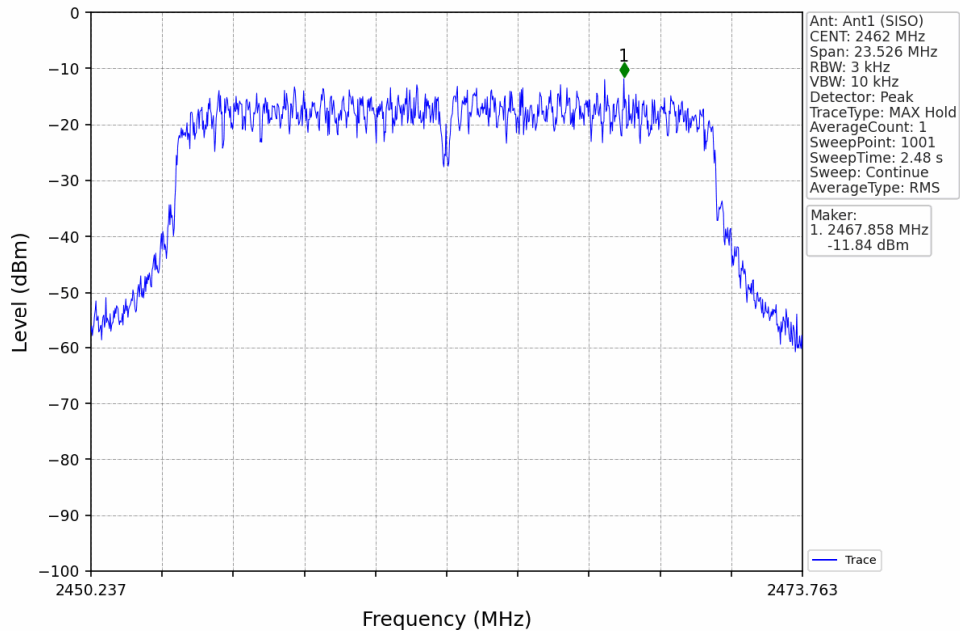
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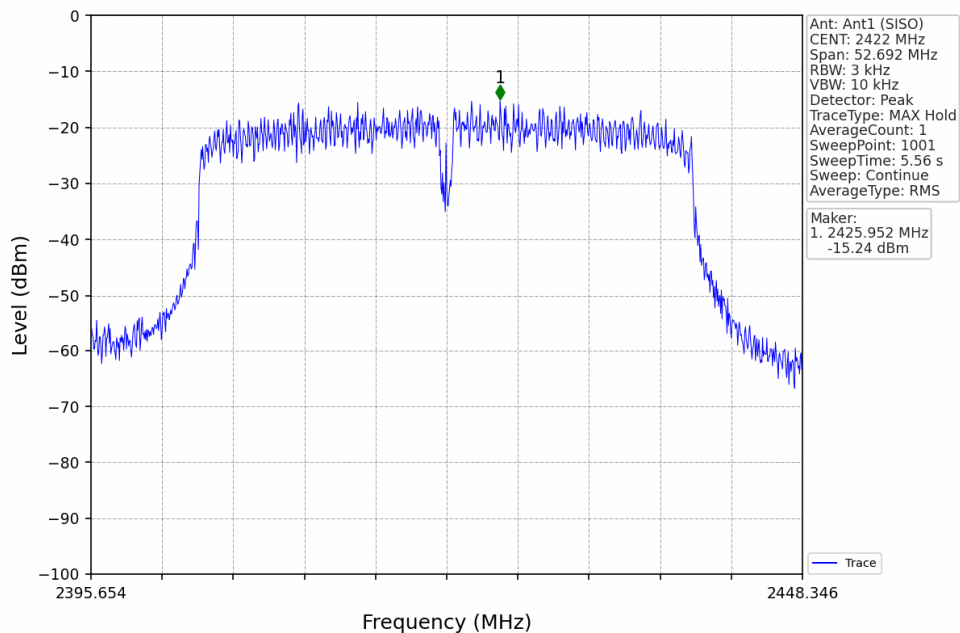
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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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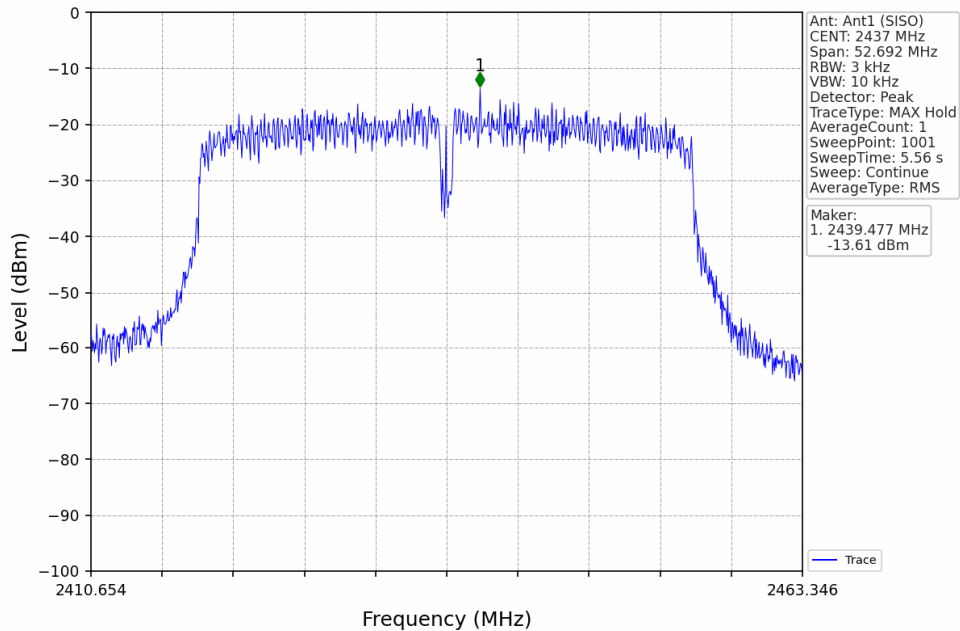
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



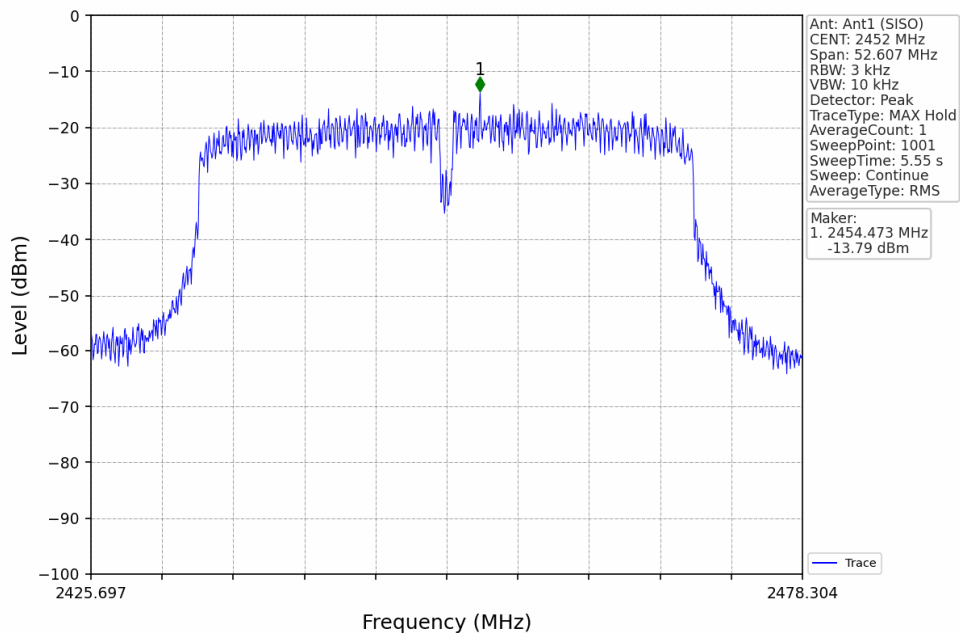
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



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

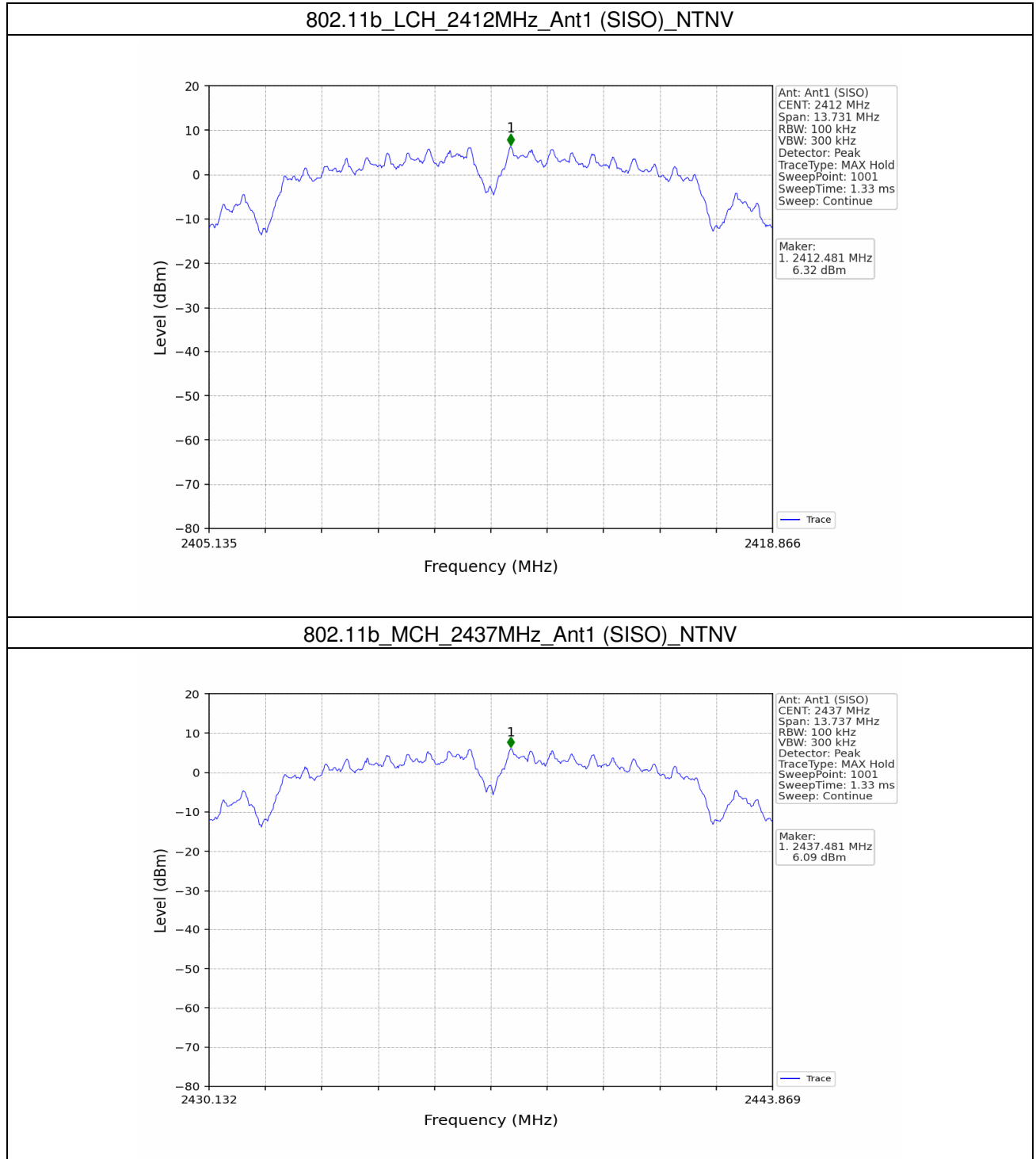
### 5.1 Ref

#### 5.1.1 Test Result

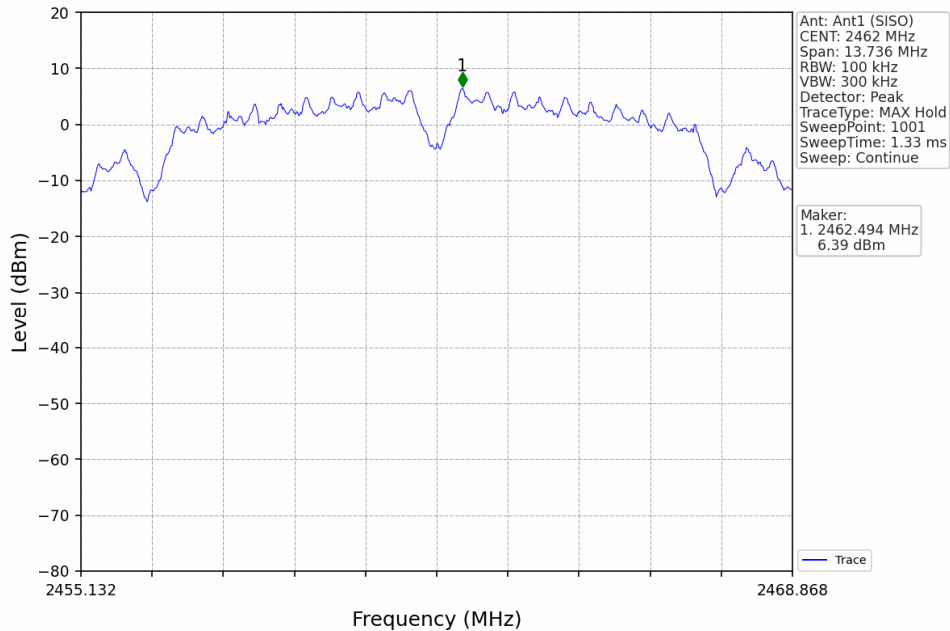
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 6.32                     |
|                |         | 2437            | 1   | 6.09                     |
|                |         | 2462            | 1   | 6.39                     |
| 802.11g        | SISO    | 2412            | 1   | 4.32                     |
|                |         | 2437            | 1   | 3.99                     |
|                |         | 2462            | 1   | 4.04                     |
| 802.11n (HT20) | SISO    | 2412            | 1   | 2.89                     |
|                |         | 2437            | 1   | 3.07                     |
|                |         | 2462            | 1   | 3.30                     |
| 802.11n (HT40) | SISO    | 2422            | 1   | 0.31                     |
|                |         | 2437            | 1   | -0.05                    |
|                |         | 2452            | 1   | 0.02                     |



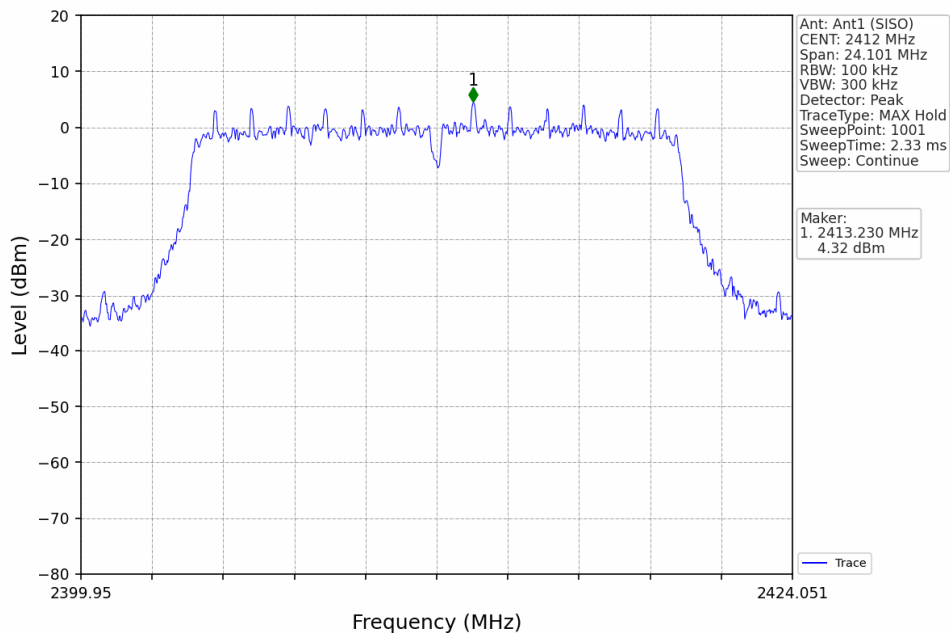
### 5.1.2 Test Graph



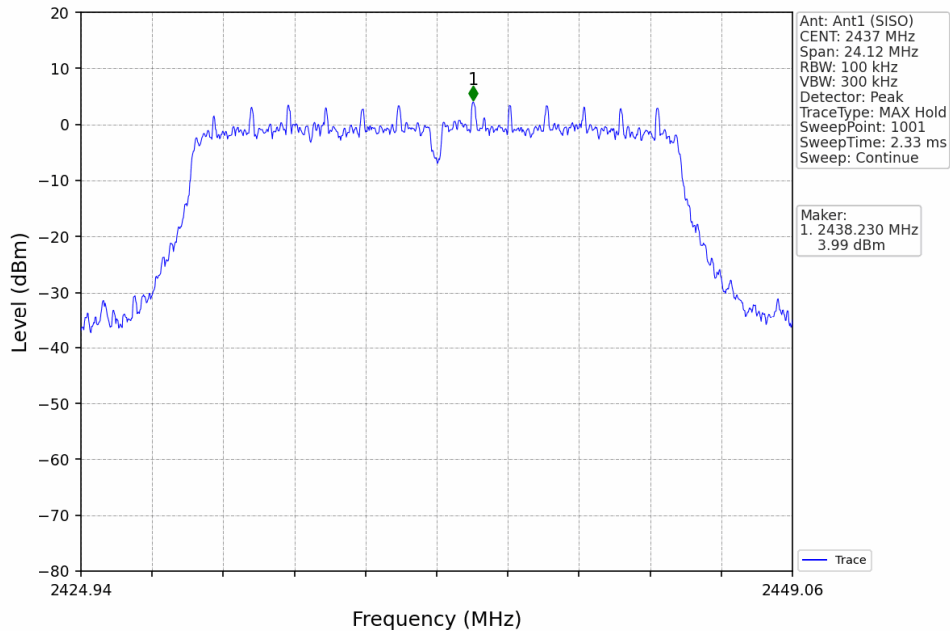
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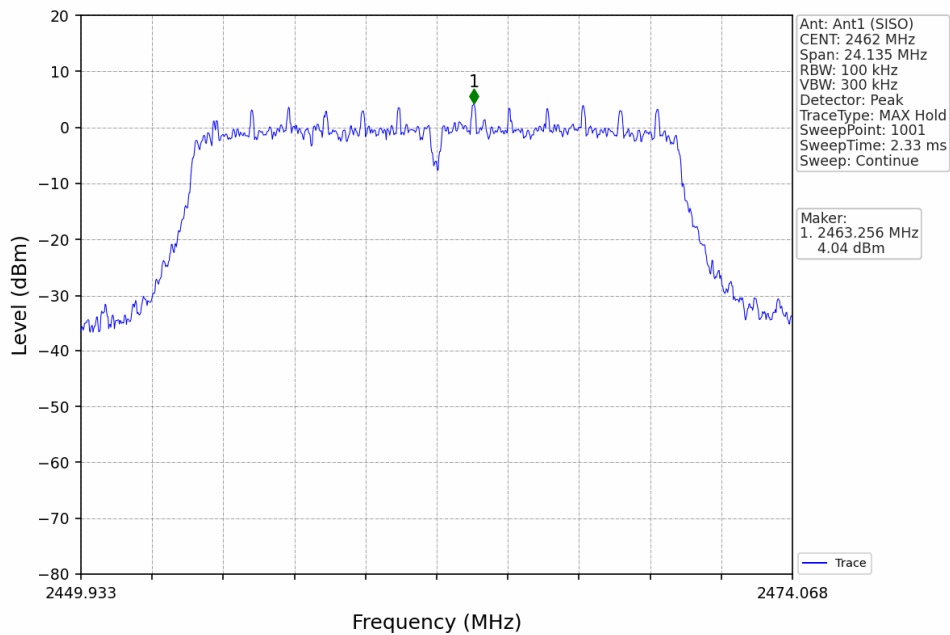
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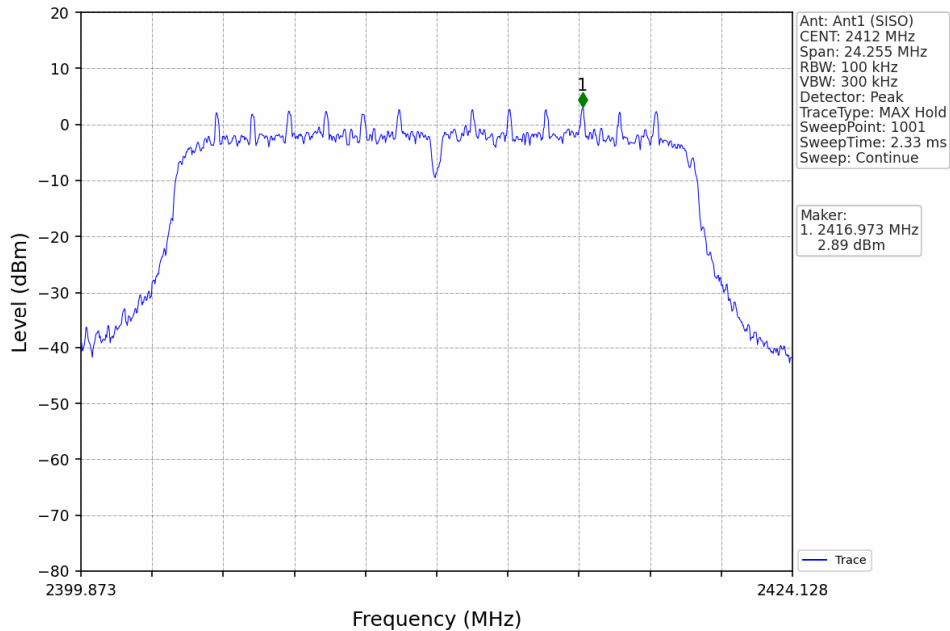
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



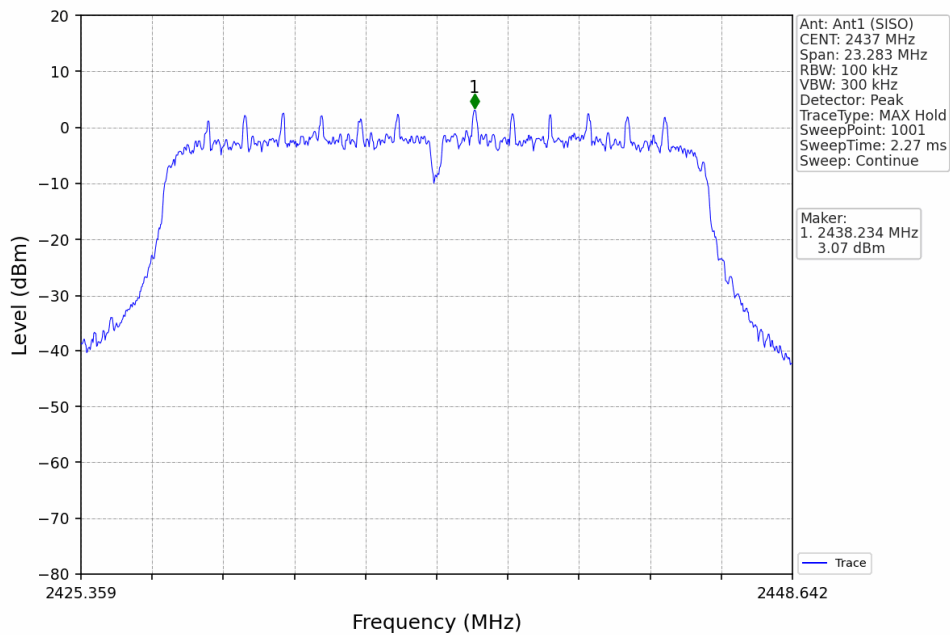
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



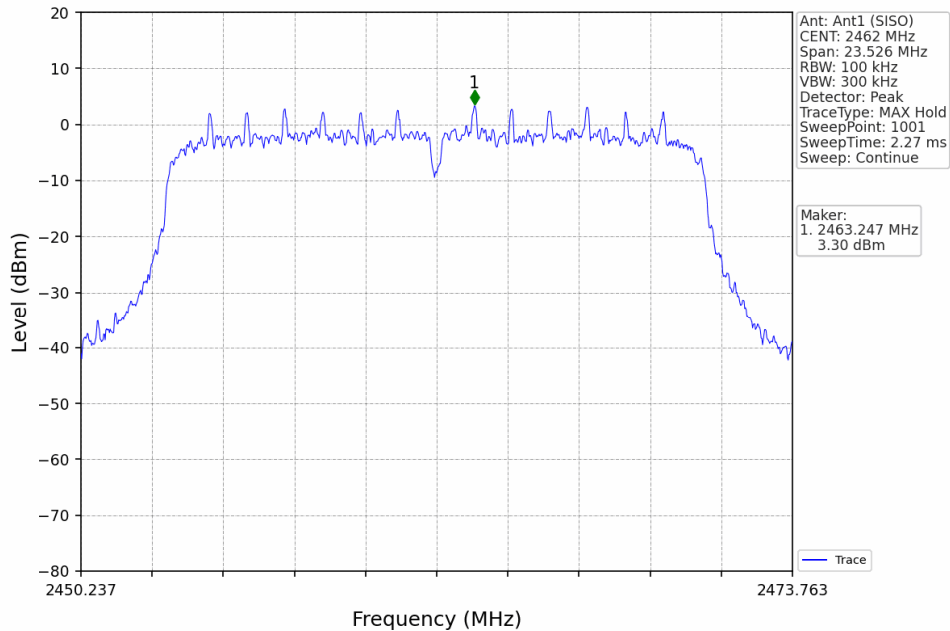
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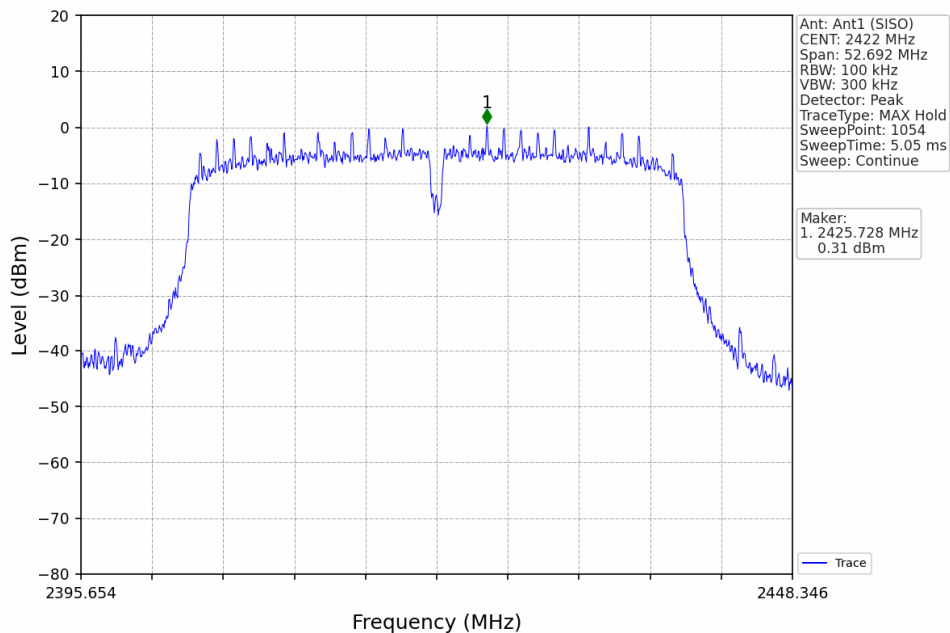
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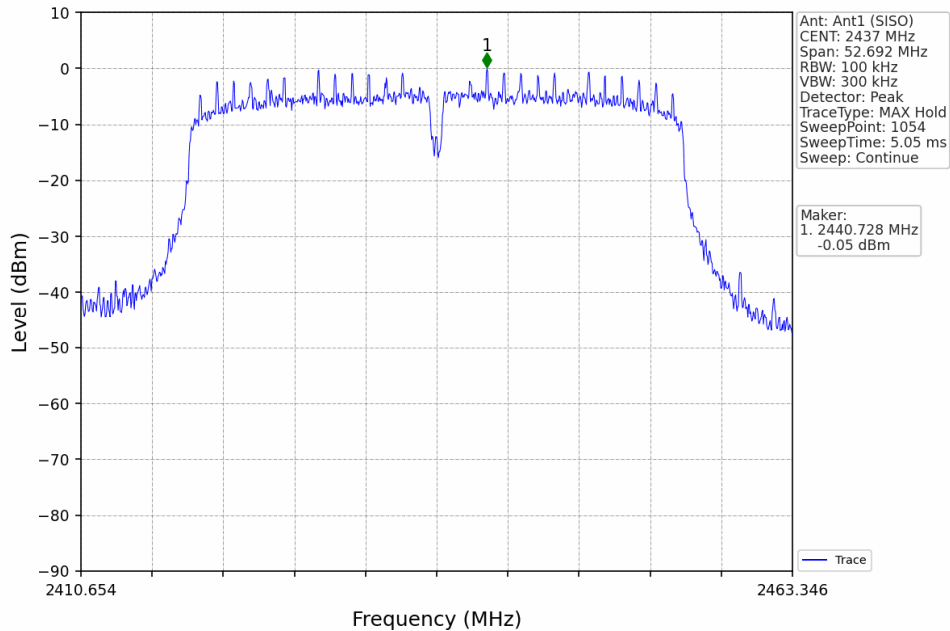
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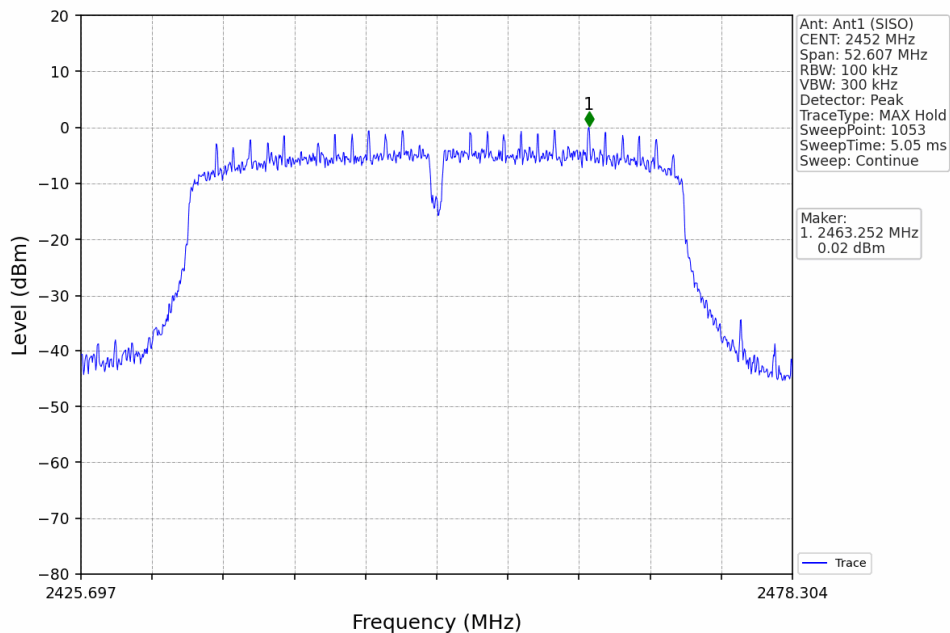
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



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SZEMC-TRF-01 Rev. A/1

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## 5.2 CSE

### 5.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 6.39                     | -23.61      | Pass    |
|                |         | 2437            | 1   | 6.39                     | -23.61      | Pass    |
|                |         | 2462            | 1   | 6.39                     | -23.61      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 4.32                     | -25.68      | Pass    |
|                |         | 2437            | 1   | 4.32                     | -25.68      | Pass    |
|                |         | 2462            | 1   | 4.32                     | -25.68      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 3.30                     | -26.70      | Pass    |
|                |         | 2437            | 1   | 3.30                     | -26.70      | Pass    |
|                |         | 2462            | 1   | 3.30                     | -26.70      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | 0.31                     | -29.69      | Pass    |
|                |         | 2437            | 1   | 0.31                     | -29.69      | Pass    |
|                |         | 2452            | 1   | 0.31                     | -29.69      | Pass    |



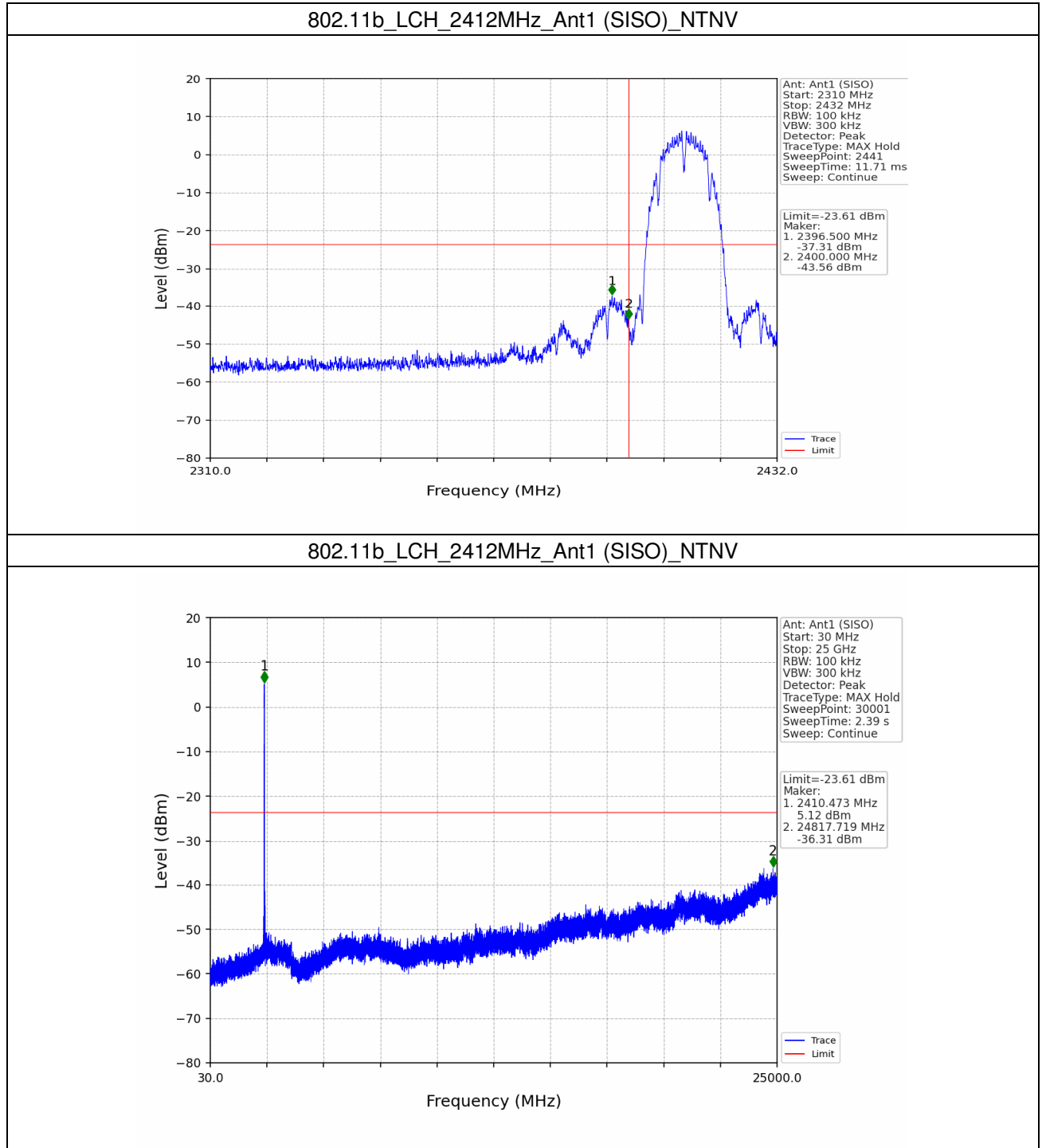
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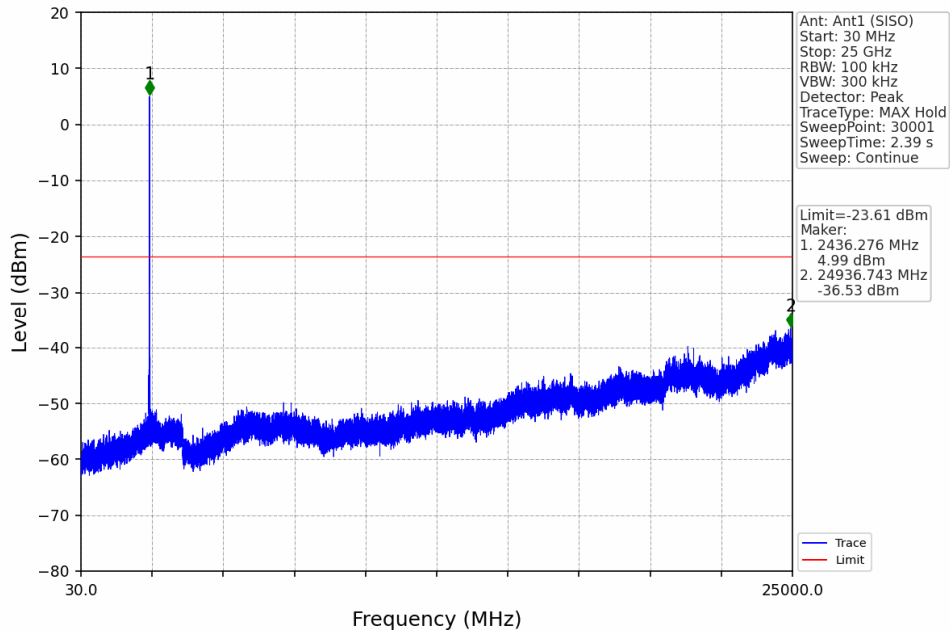
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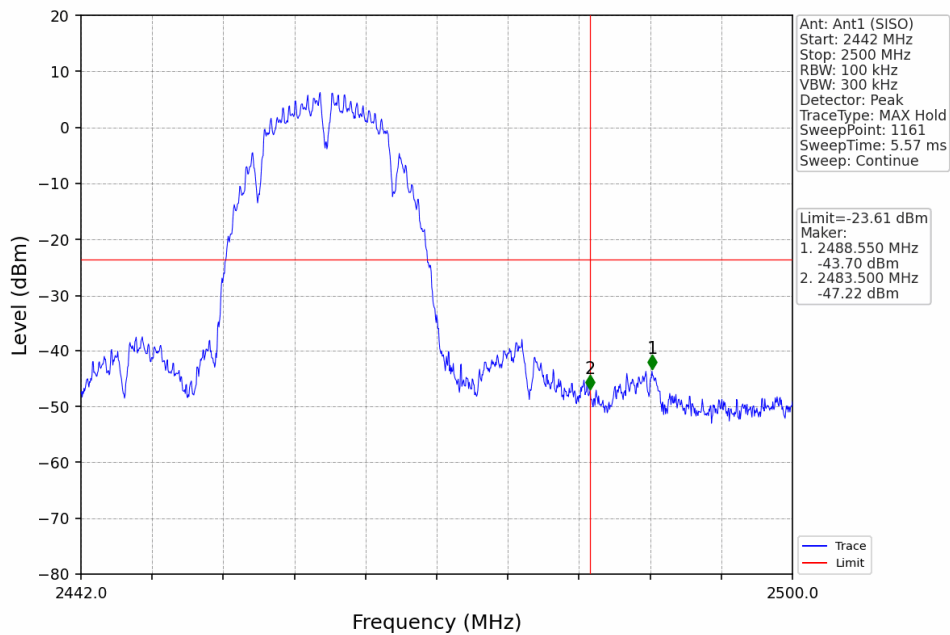
### 5.2.2 Test Graph



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



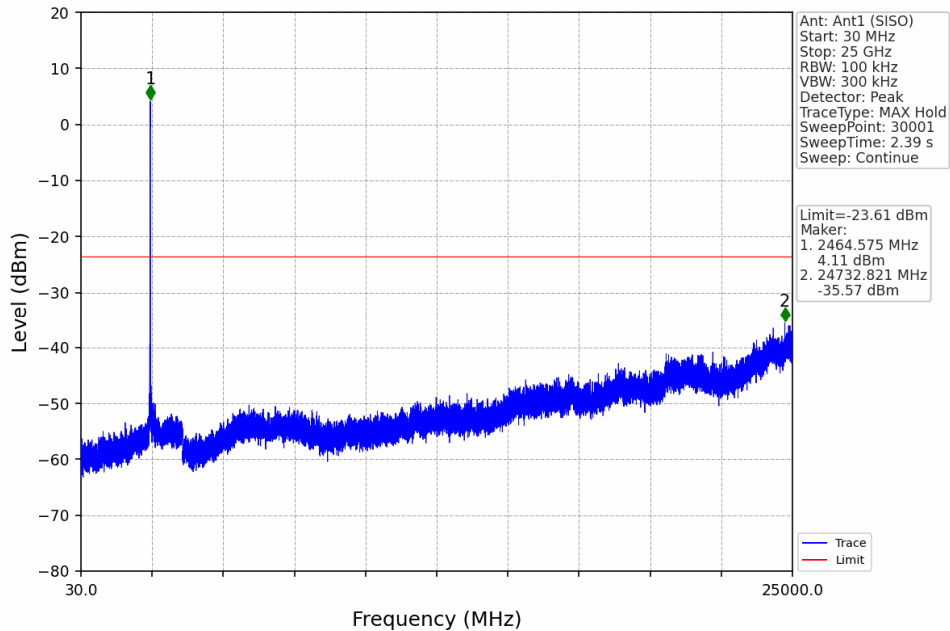
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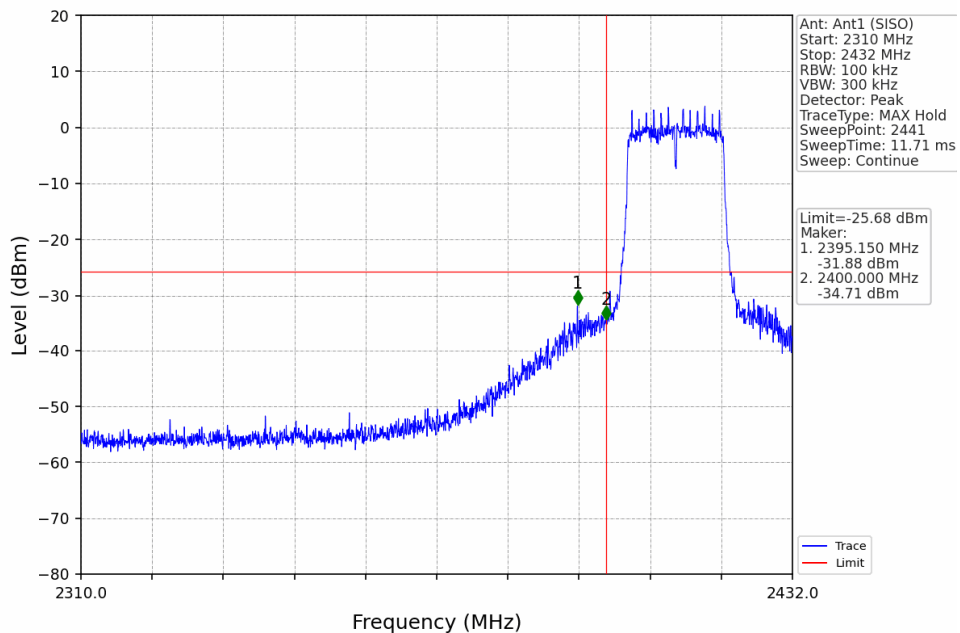
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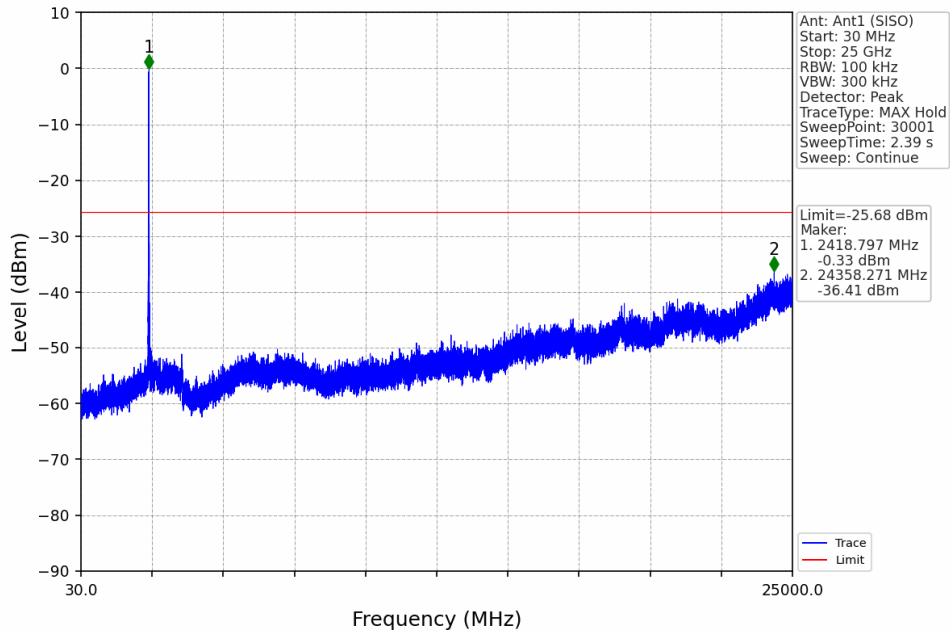
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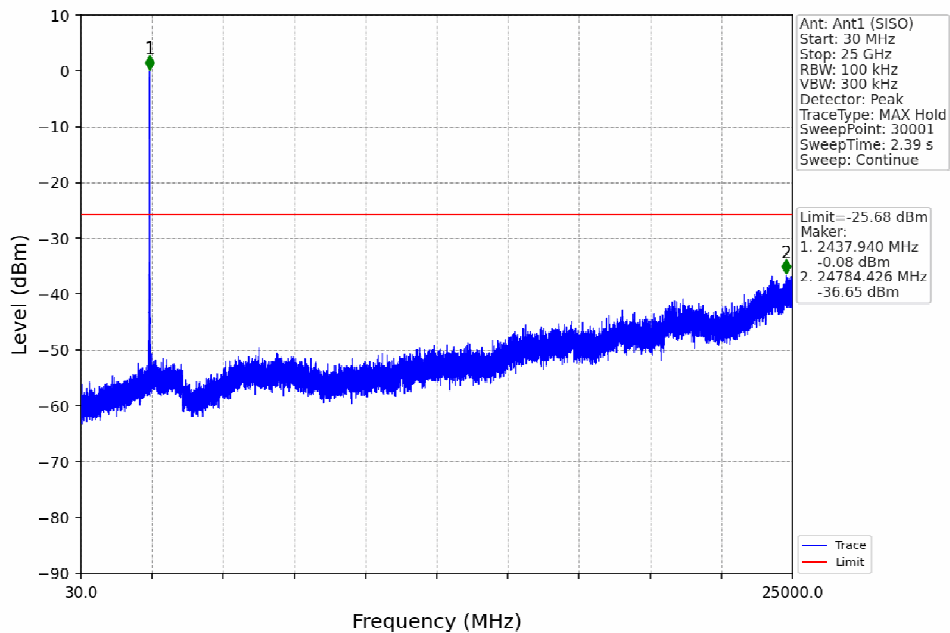
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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



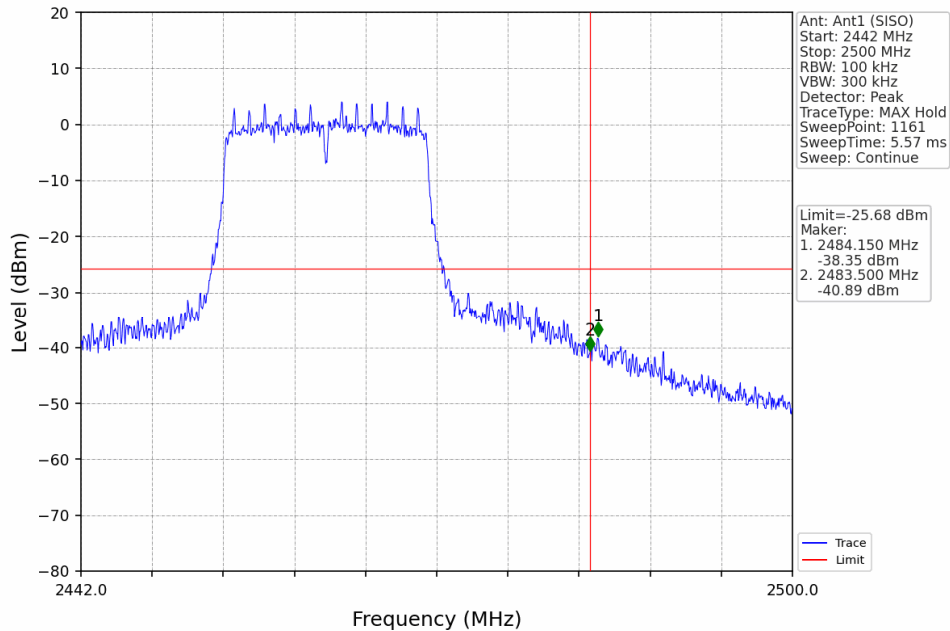
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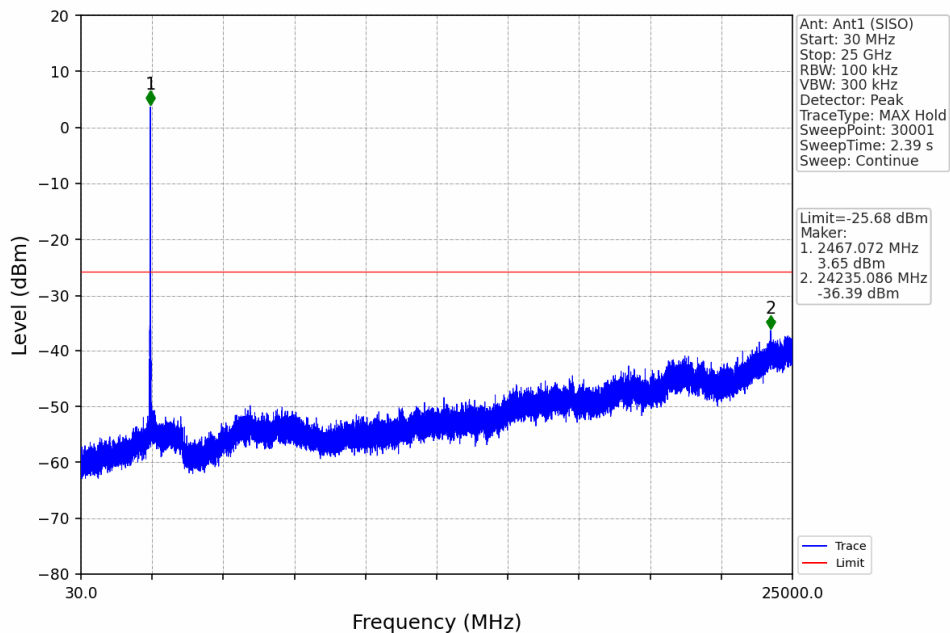
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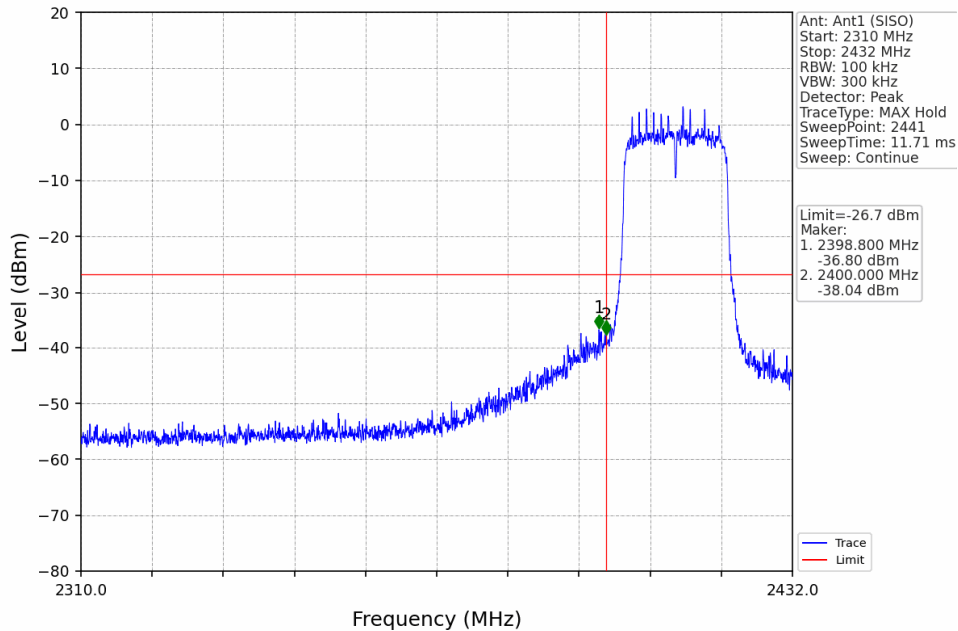
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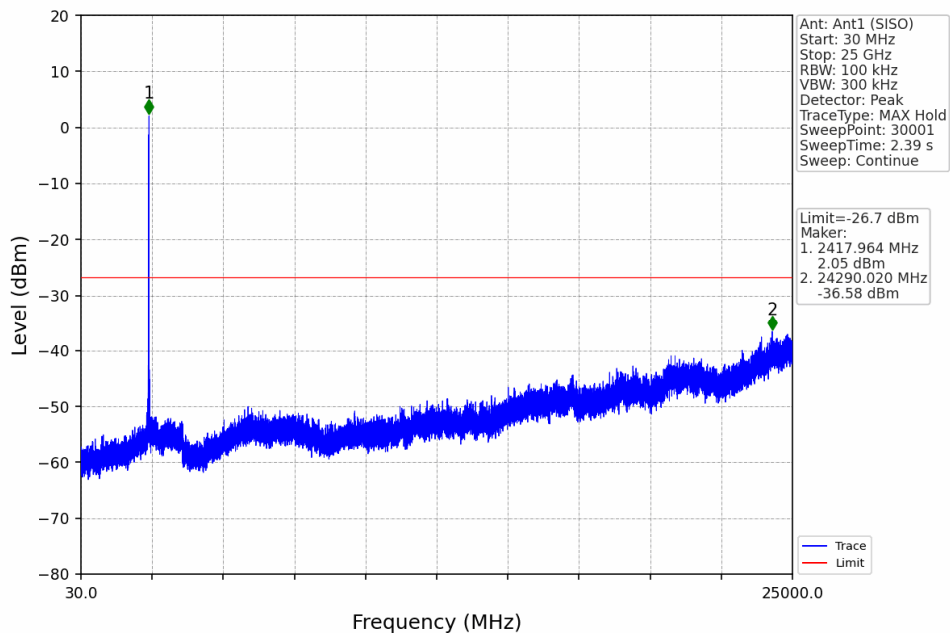
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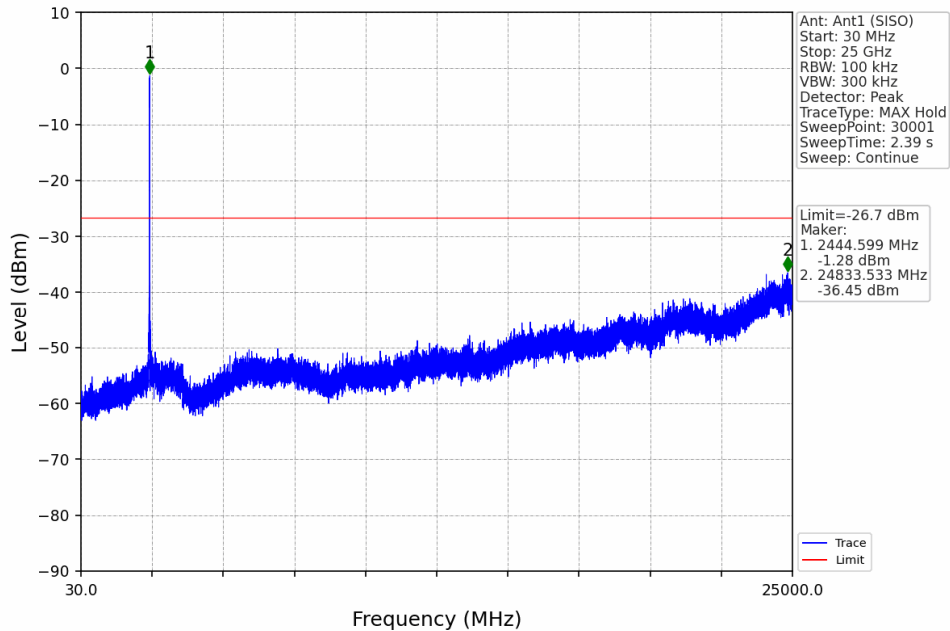
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



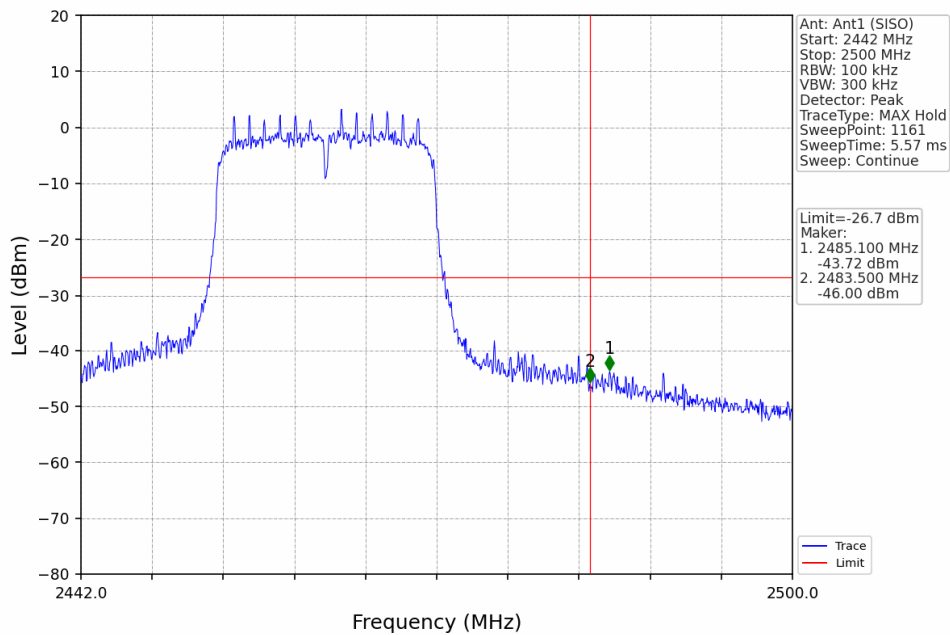
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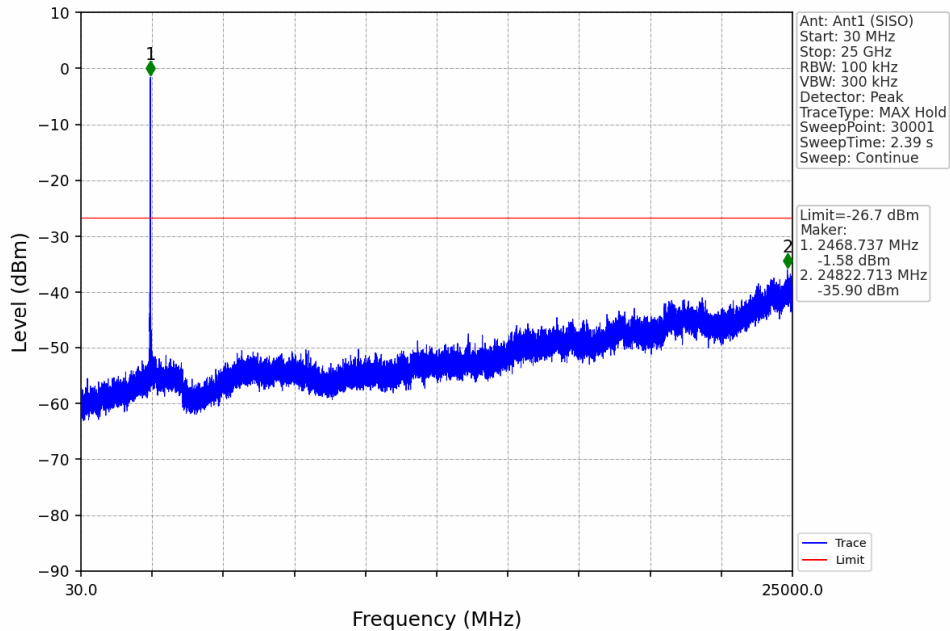
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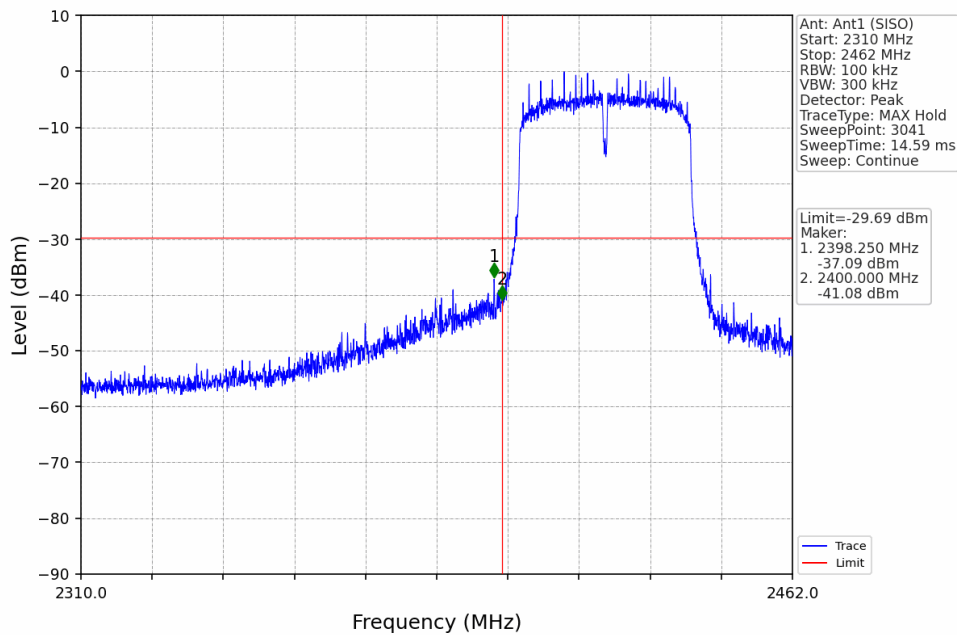
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



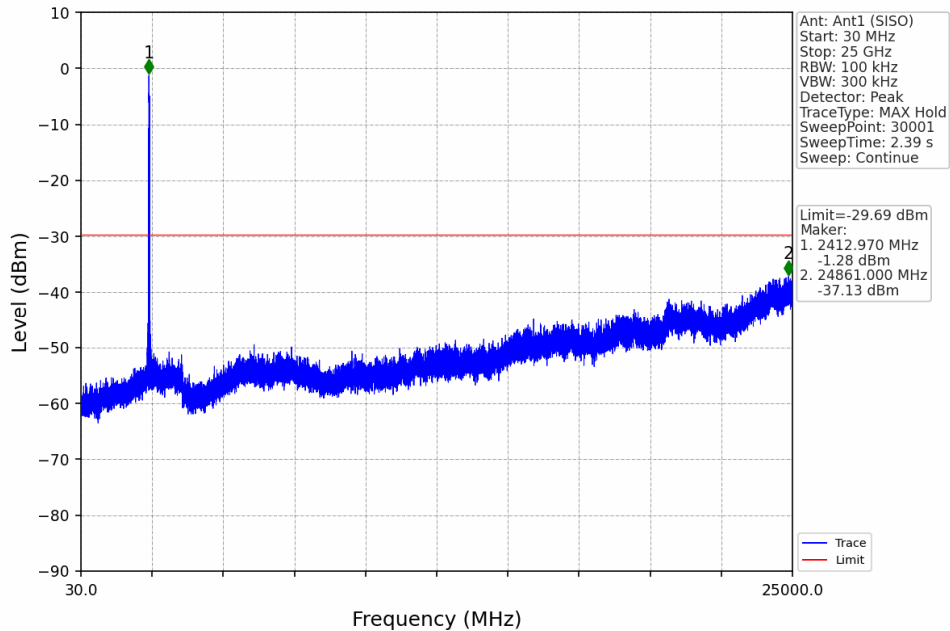
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



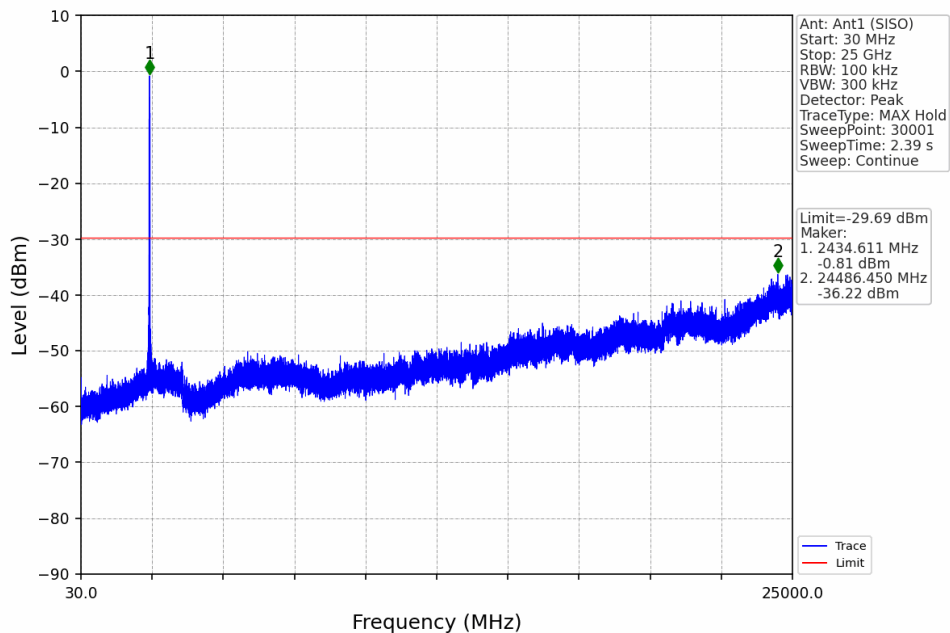
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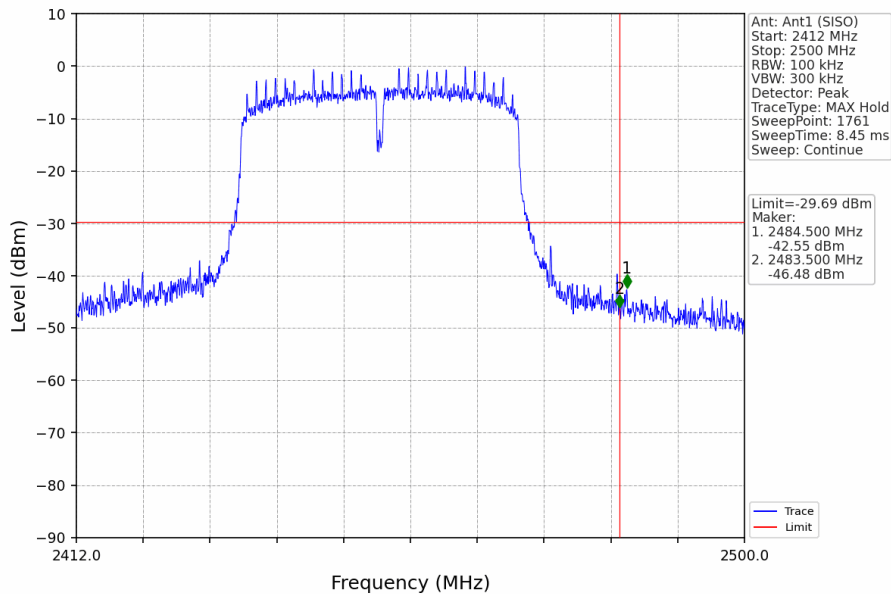
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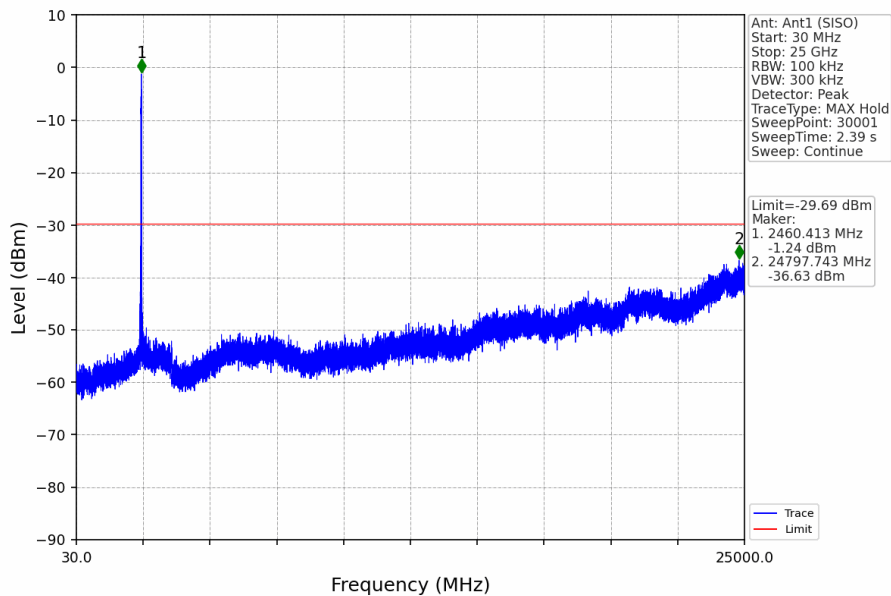
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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



- End of the Report -

