

## 4. Maximum Power Spectral Density

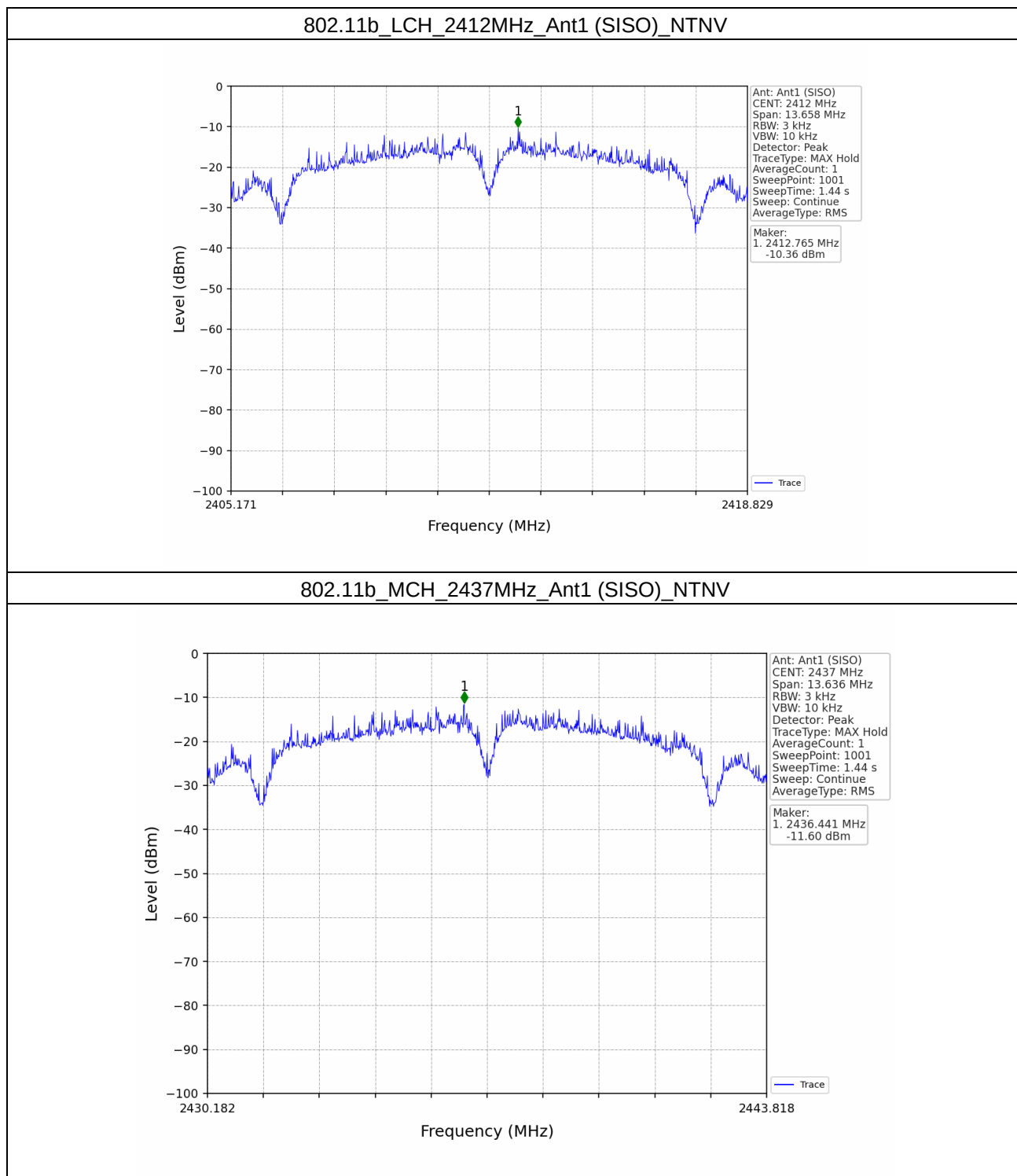
### 4.1 PSD

#### 4.1.1 Test Result

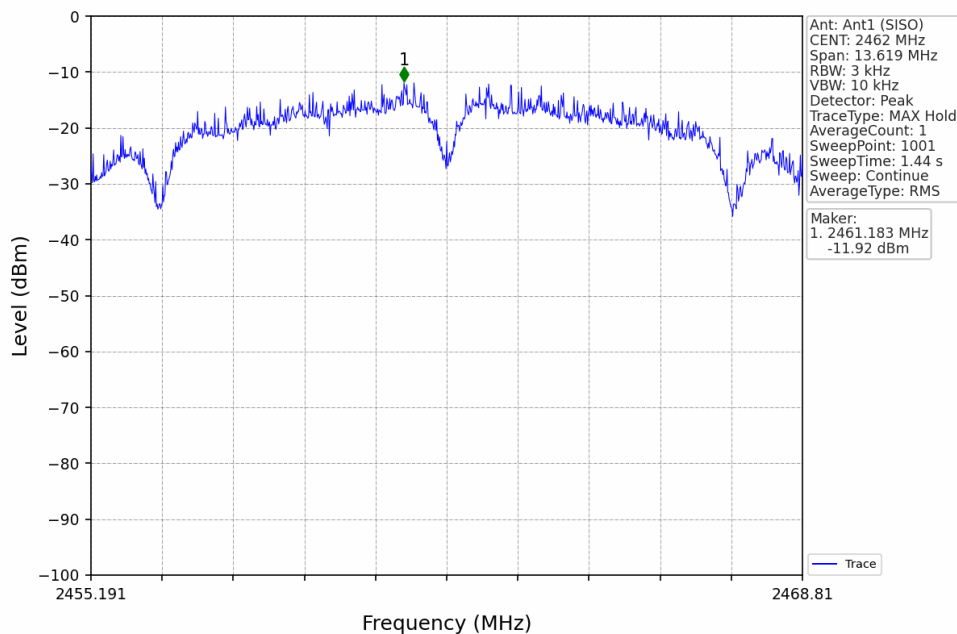
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -10.36                 | <=8   | Pass    |
|                |         | 2437            | -11.60                 | <=8   | Pass    |
|                |         | 2462            | -11.92                 | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -17.63                 | <=8   | Pass    |
|                |         | 2437            | -14.93                 | <=8   | Pass    |
|                |         | 2462            | -18.54                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -16.42                 | <=8   | Pass    |
|                |         | 2437            | -13.59                 | <=8   | Pass    |
|                |         | 2462            | -18.33                 | <=8   | Pass    |



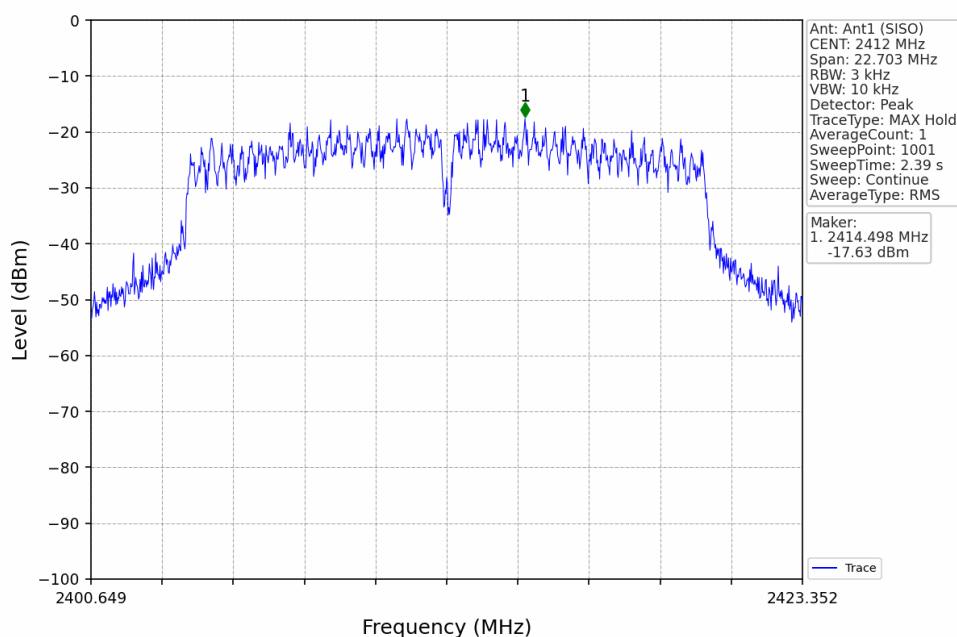
### 4.1.2 Test Graph



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



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



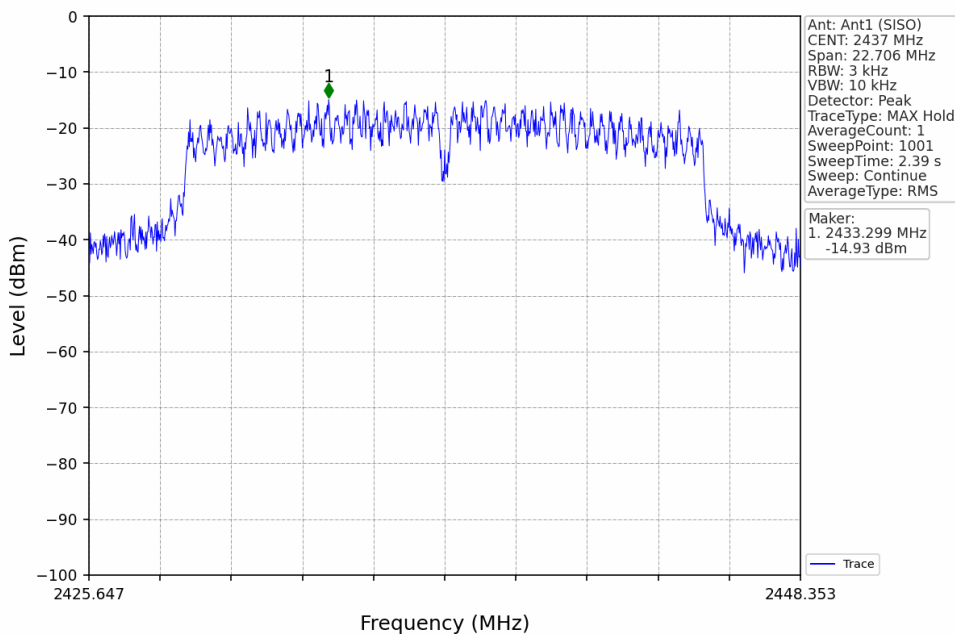
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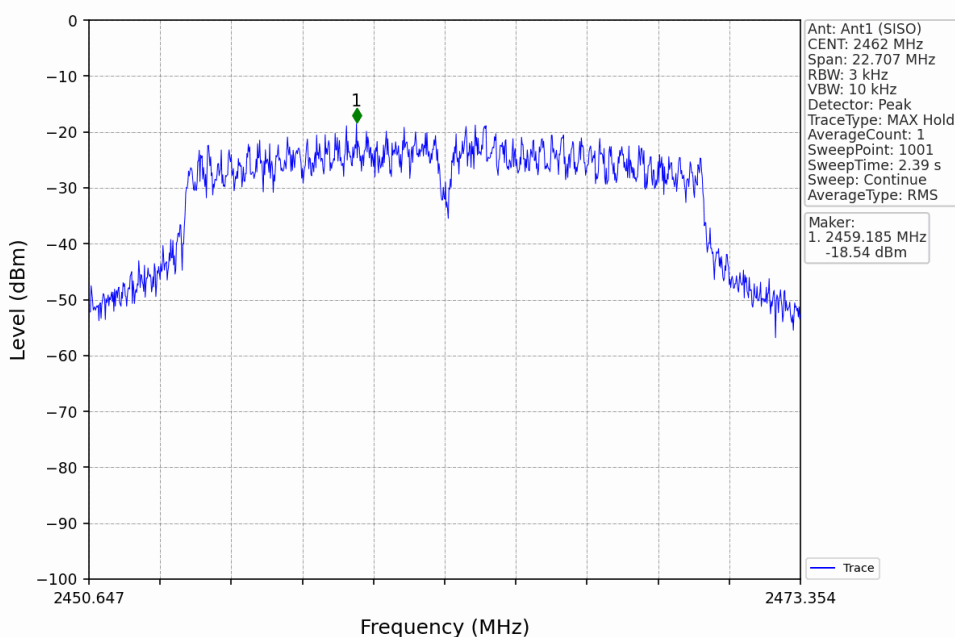
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



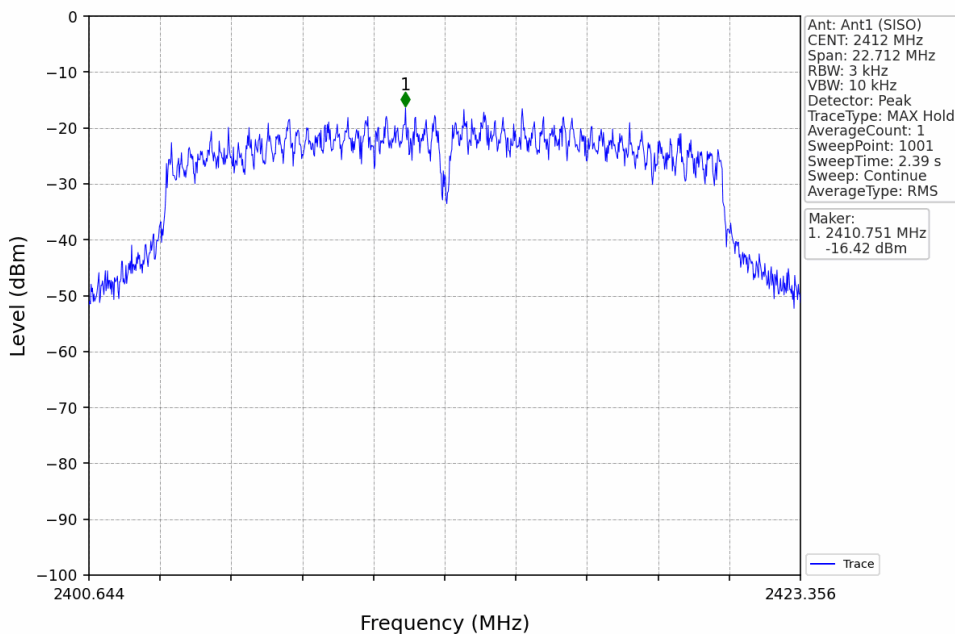
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



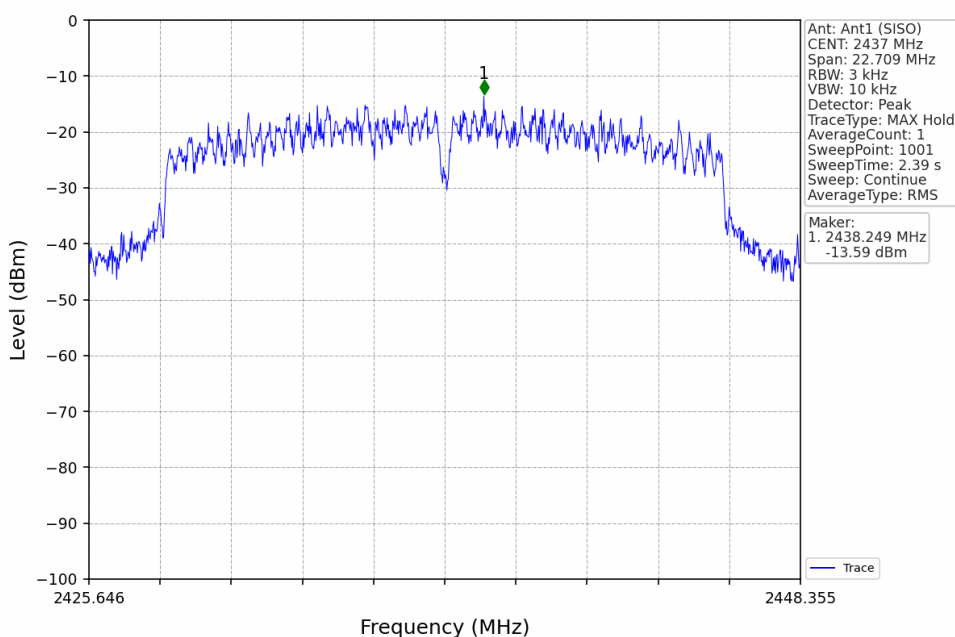
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



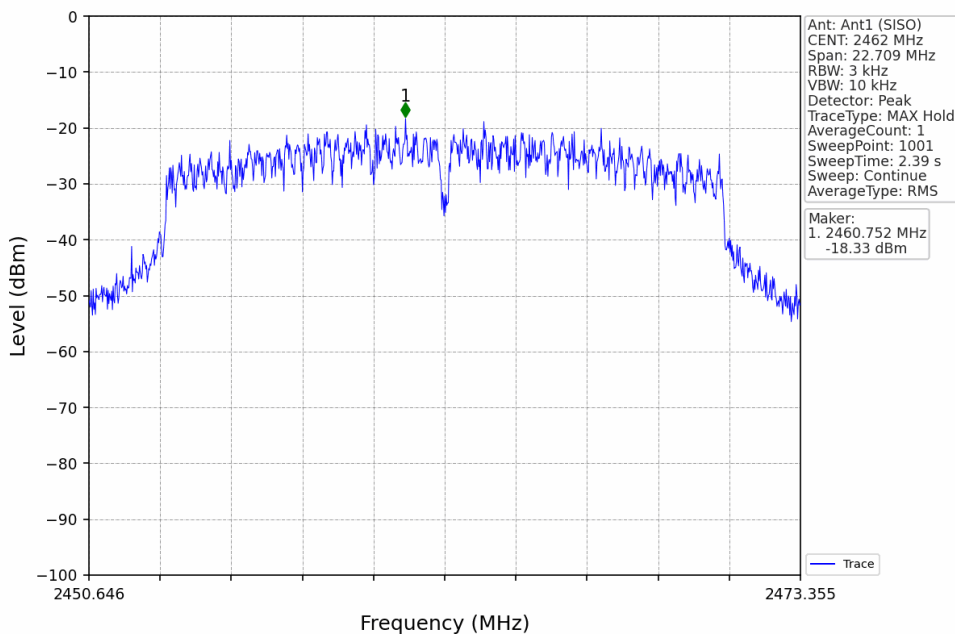
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

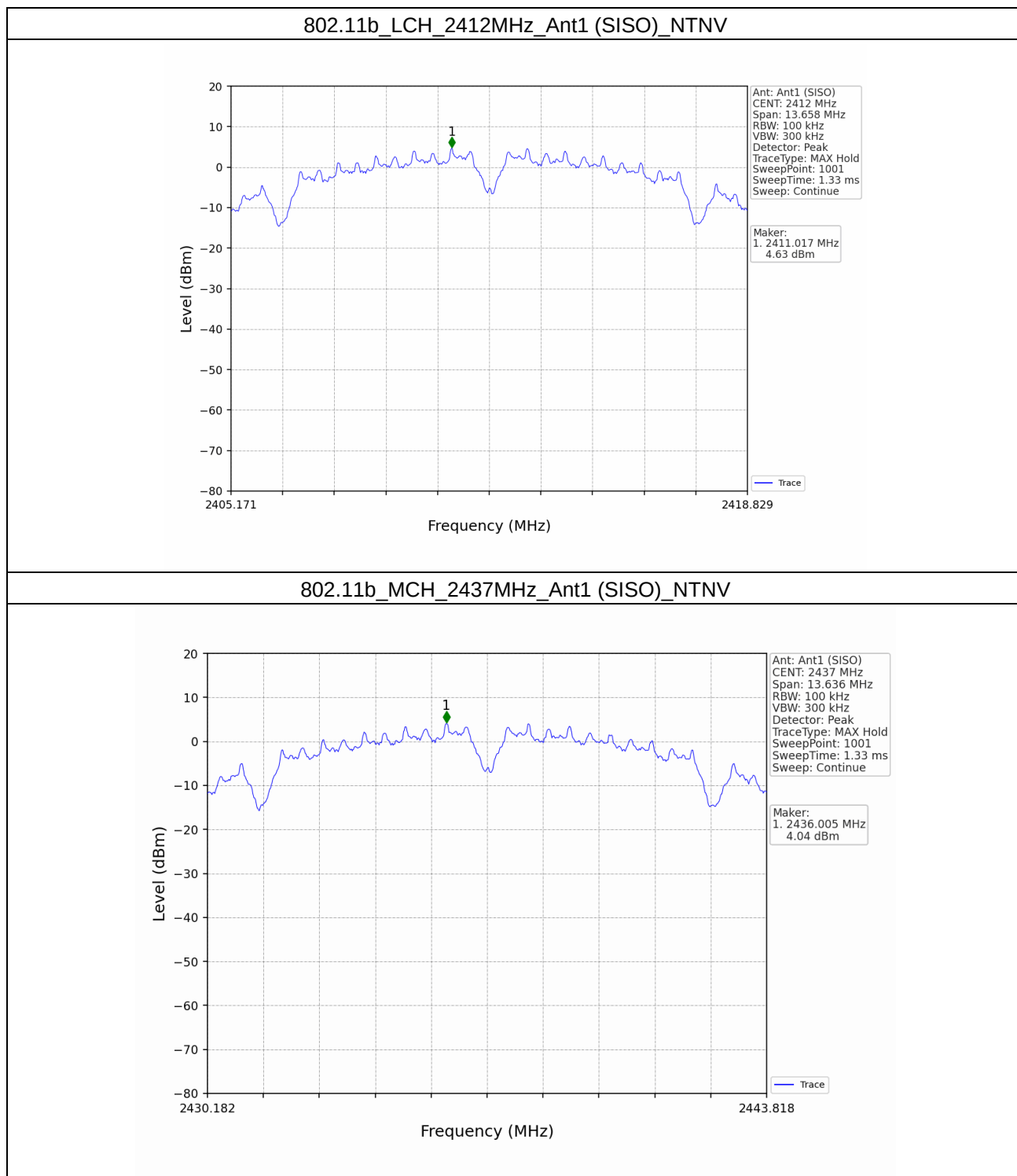
### 5.1 Ref

#### 5.1.1 Test Result

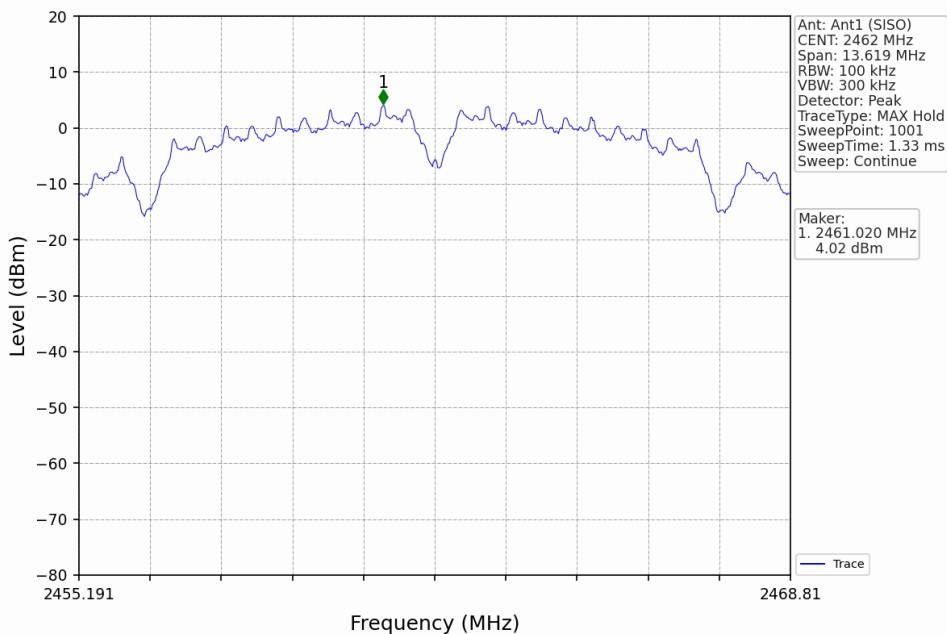
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 4.63                     |
|                |         | 2437            | 1   | 4.04                     |
|                |         | 2462            | 1   | 4.02                     |
| 802.11g        | SISO    | 2412            | 1   | -0.08                    |
|                |         | 2437            | 1   | 3.54                     |
|                |         | 2462            | 1   | -1.71                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -0.01                    |
|                |         | 2437            | 1   | 2.20                     |
|                |         | 2462            | 1   | -1.58                    |



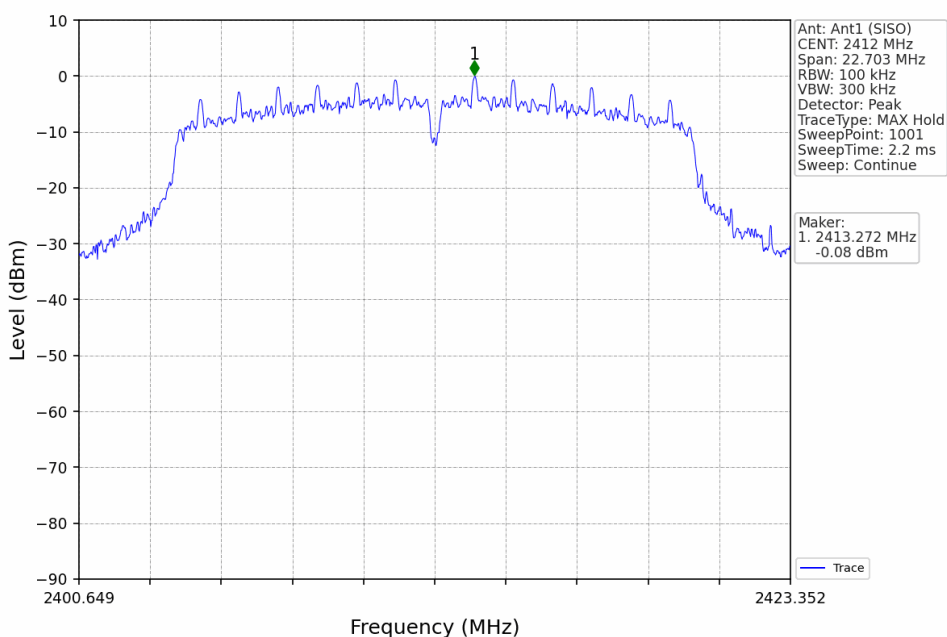
### 5.1.2 Test Graph



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



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



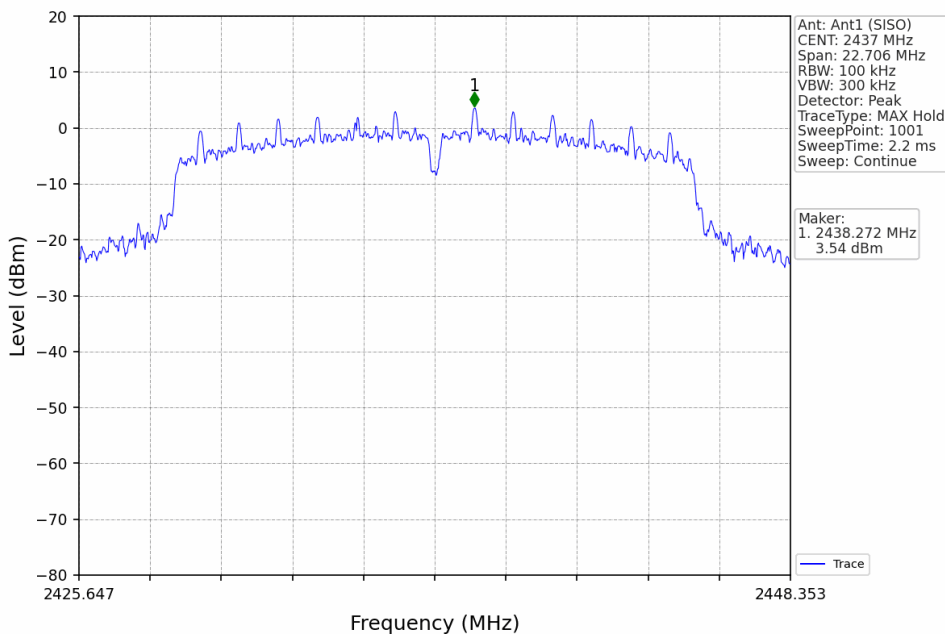
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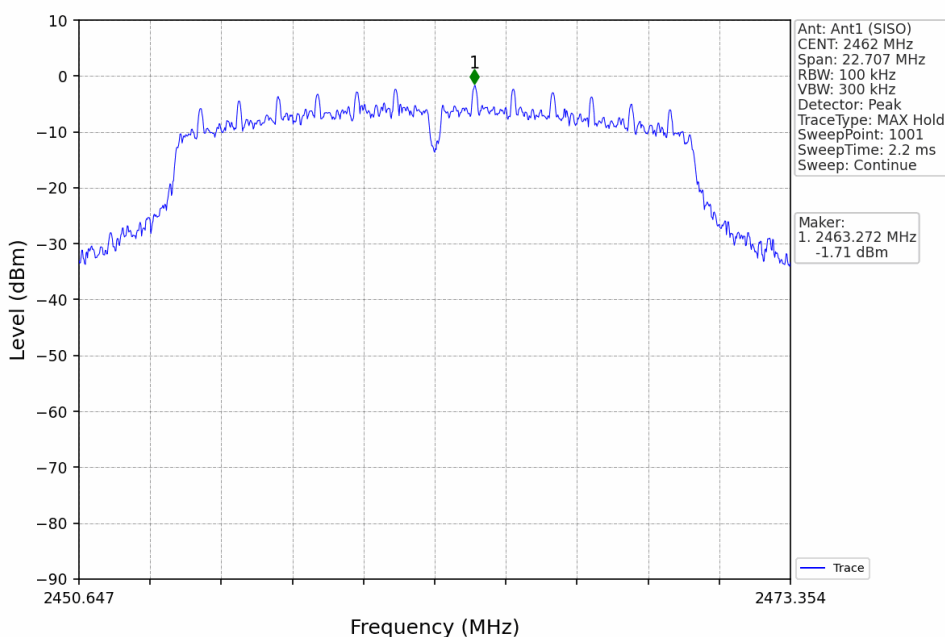
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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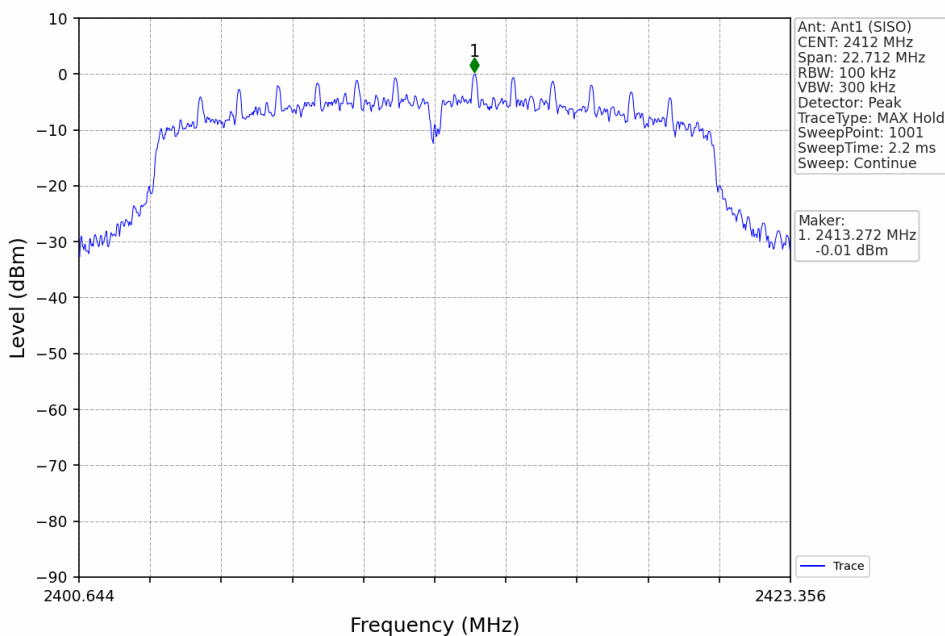
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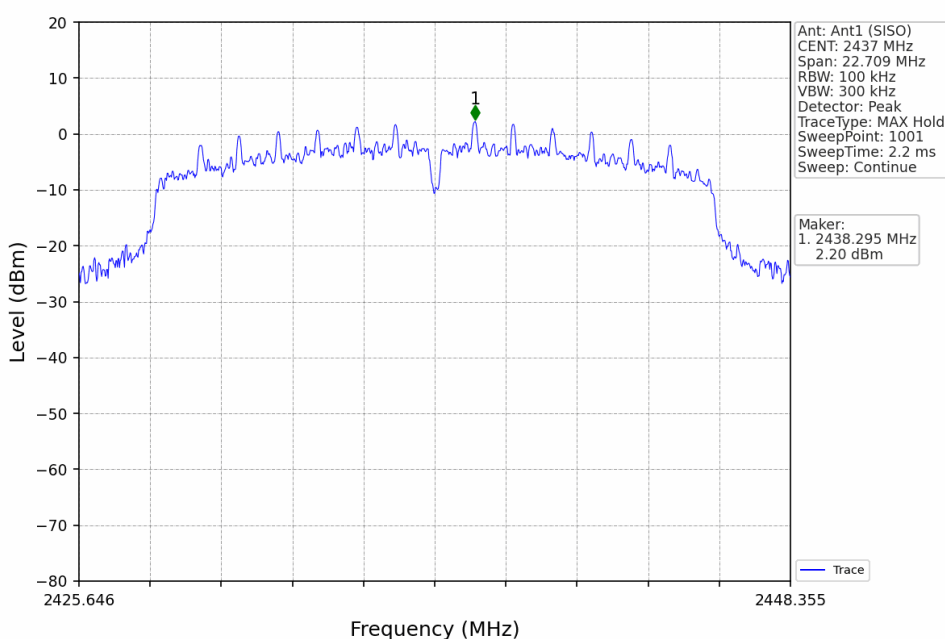
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



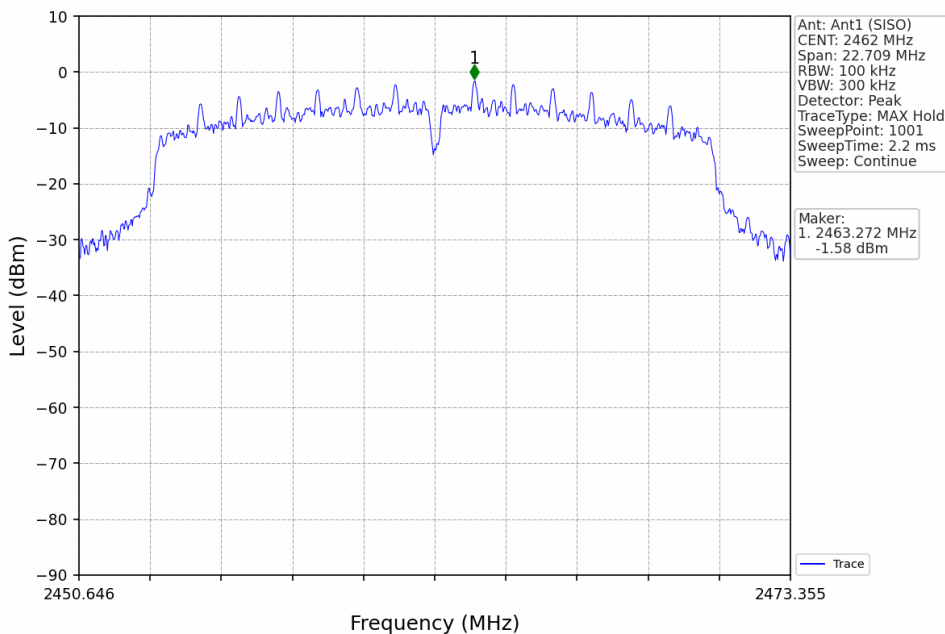
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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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   | 4.63                     | -25.37      | Pass    |
|                |         | 2437            | 1   | 4.63                     | -25.37      | Pass    |
|                |         | 2462            | 1   | 4.63                     | -25.37      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 3.54                     | -26.46      | Pass    |
|                |         | 2437            | 1   | 3.54                     | -26.46      | Pass    |
|                |         | 2462            | 1   | 3.54                     | -26.46      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 2.20                     | -27.80      | Pass    |
|                |         | 2437            | 1   | 2.20                     | -27.80      | Pass    |
|                |         | 2462            | 1   | 2.20                     | -27.80      | Pass    |

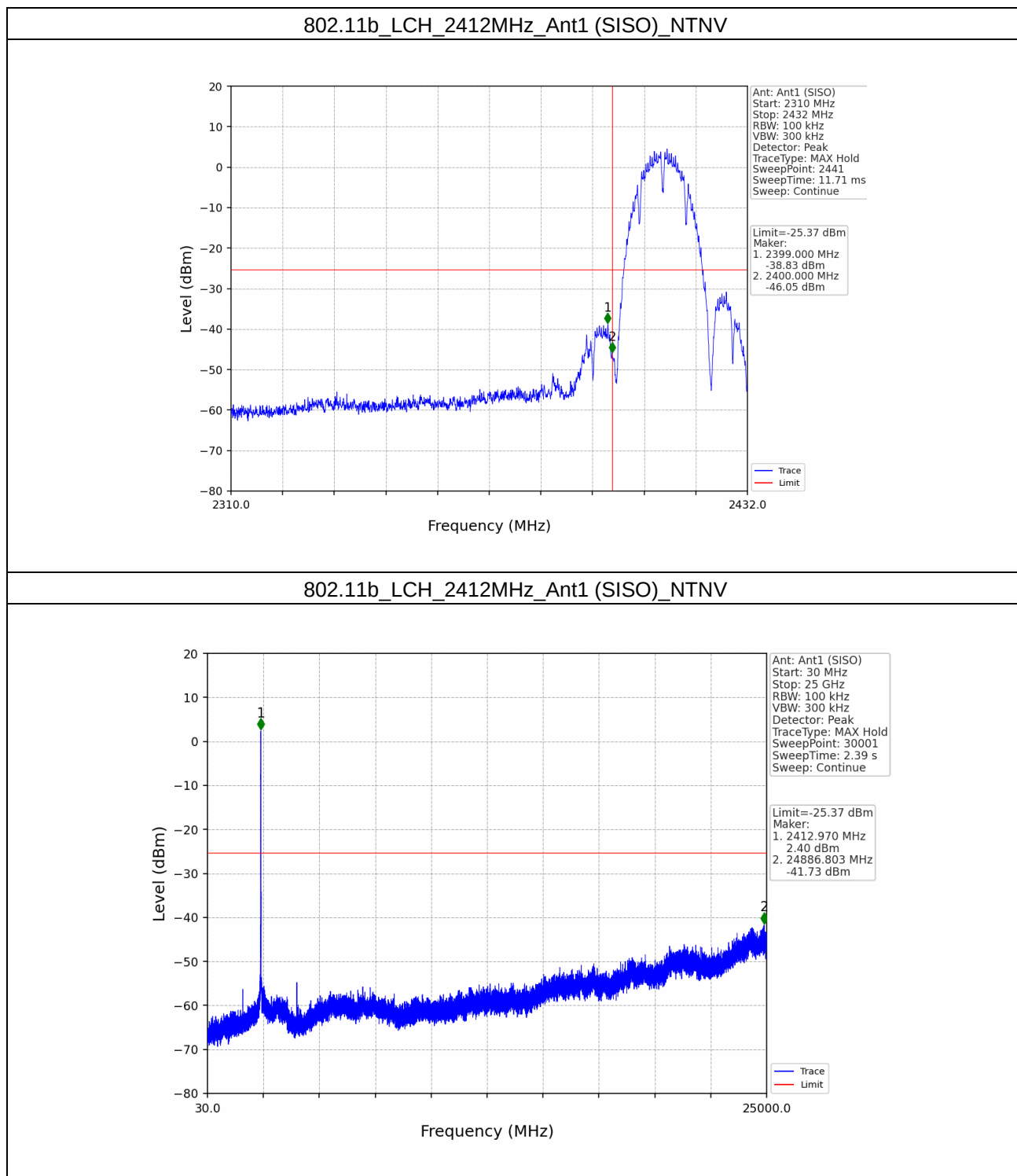


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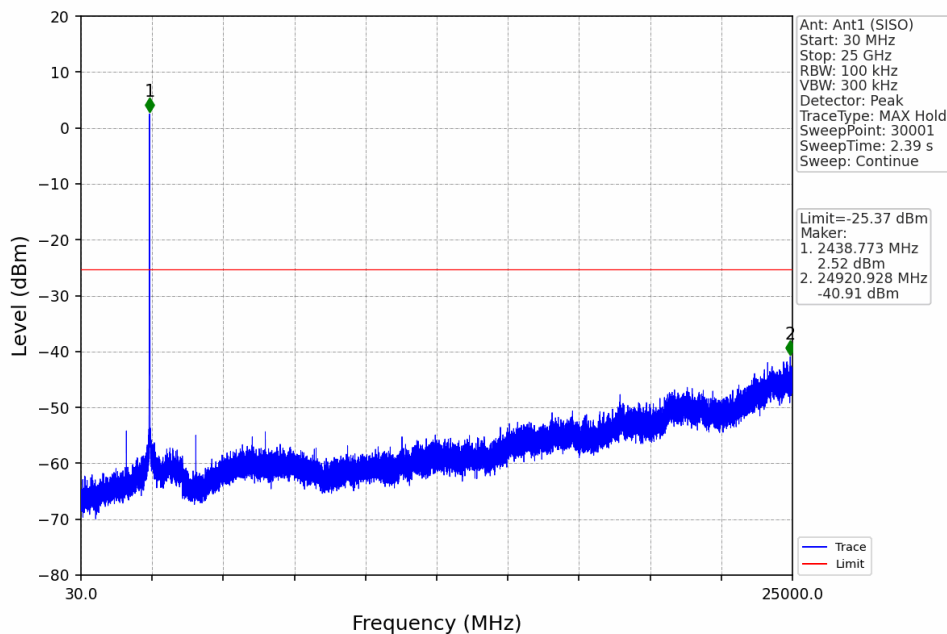
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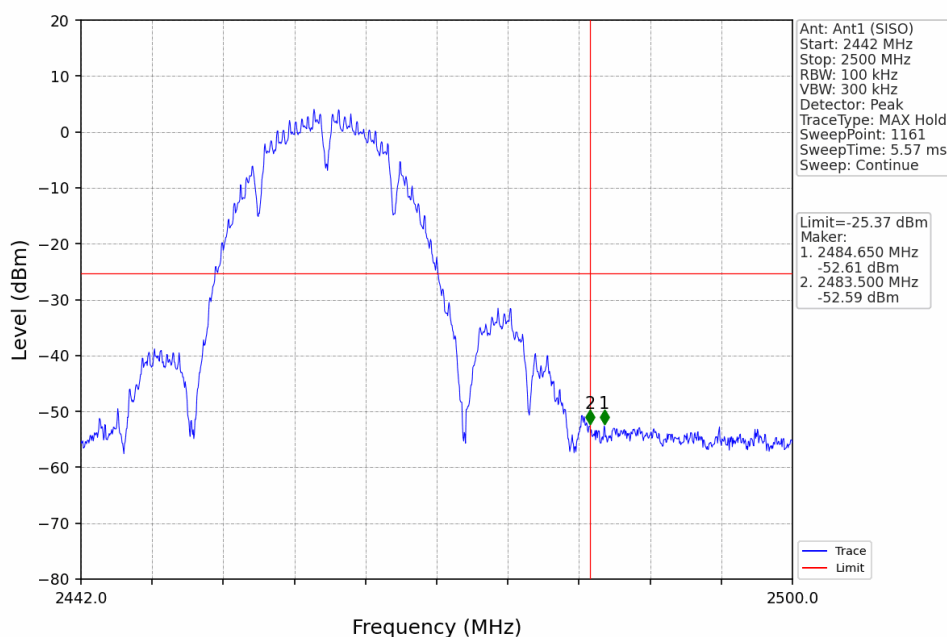
### 5.2.2 Test Graph



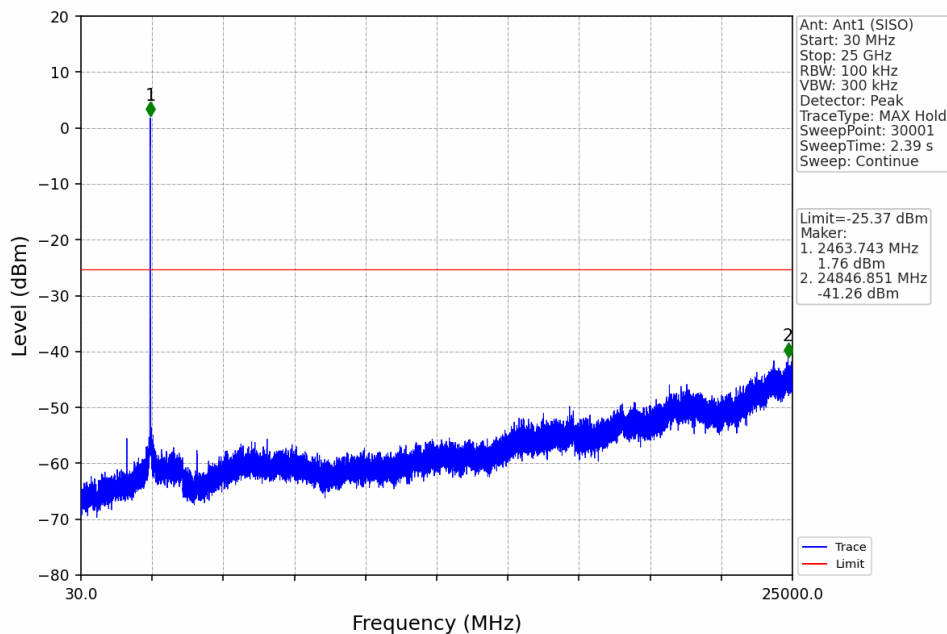
### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



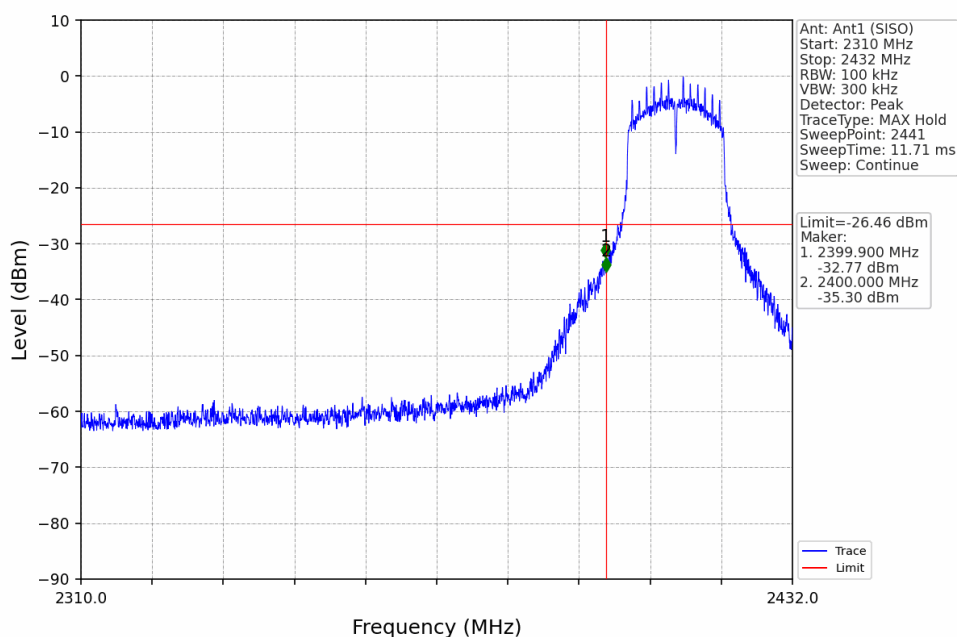
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



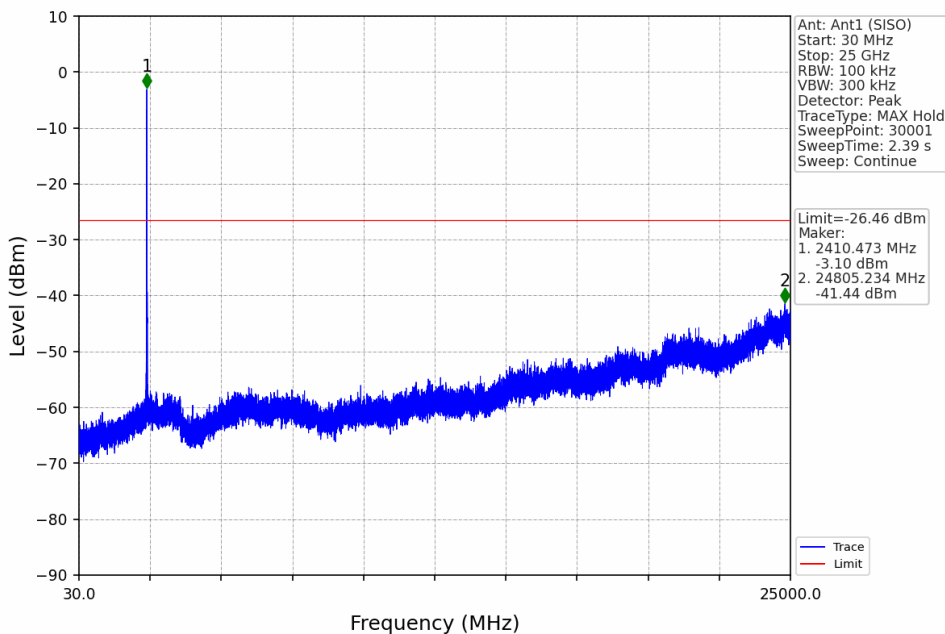
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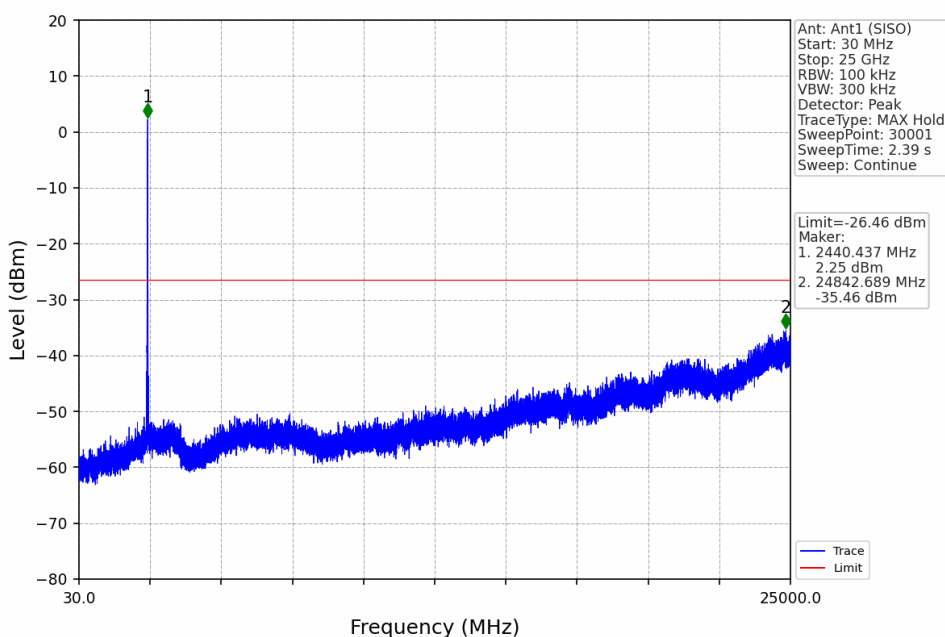
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



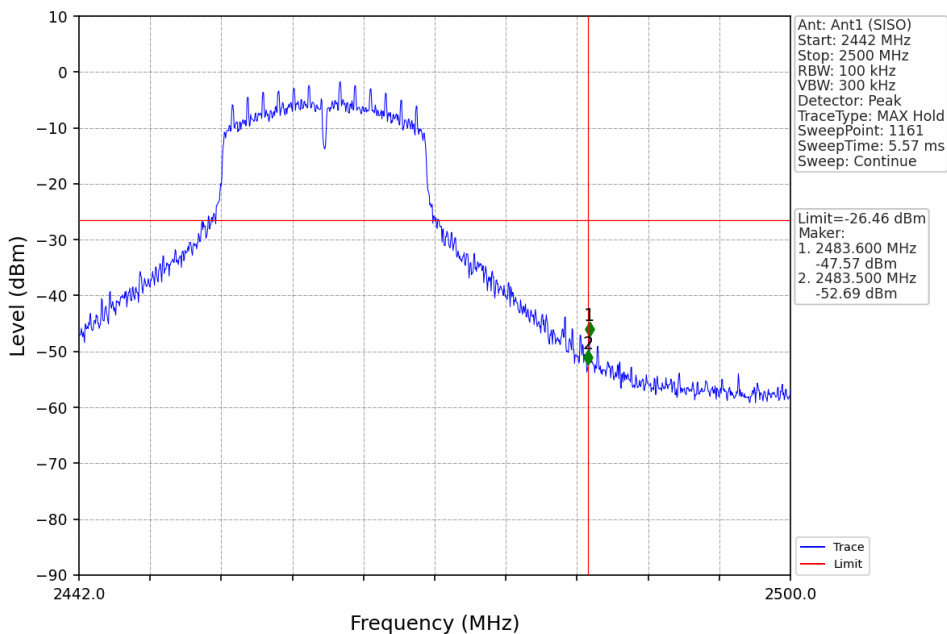
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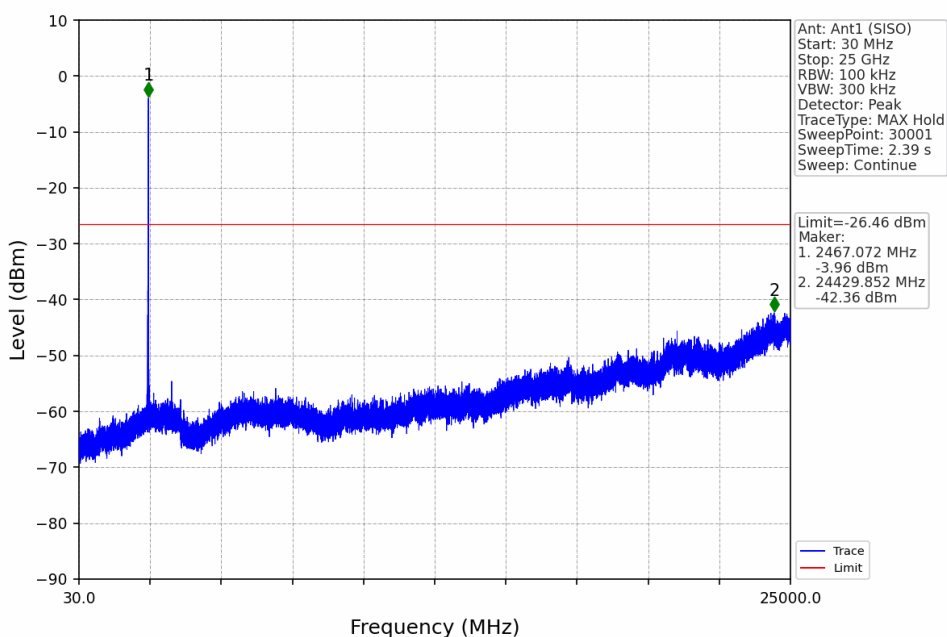
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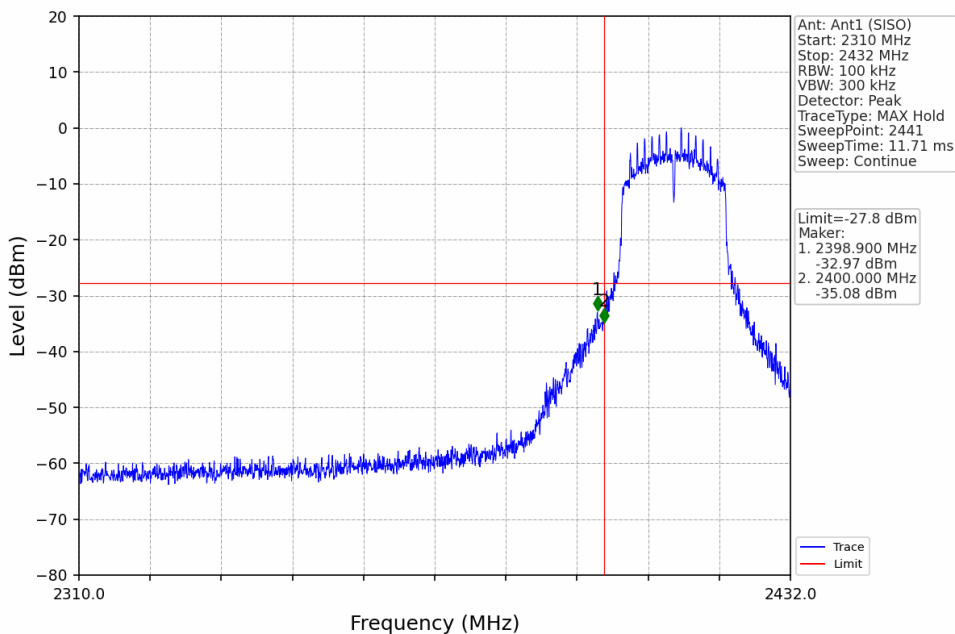
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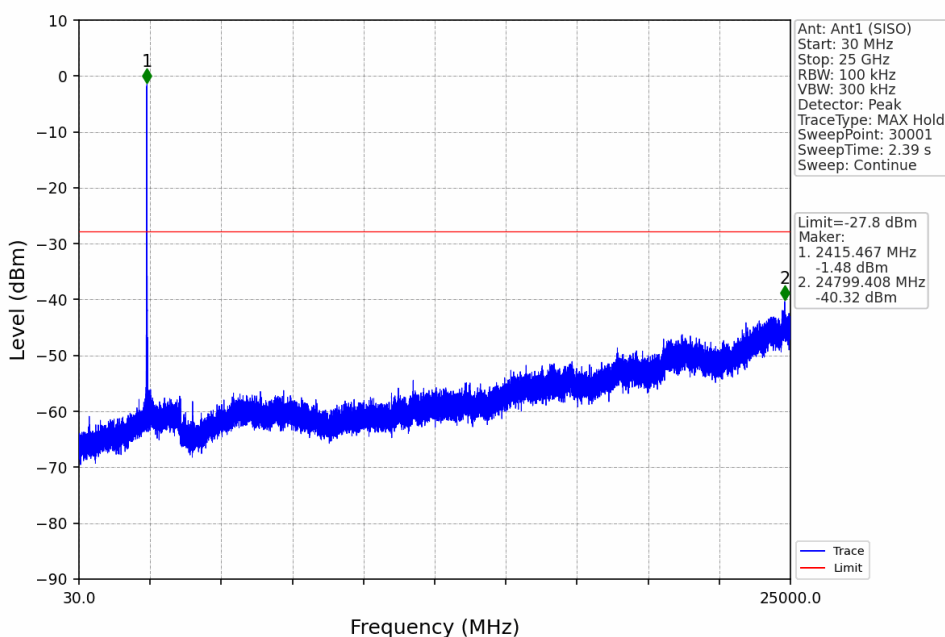
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



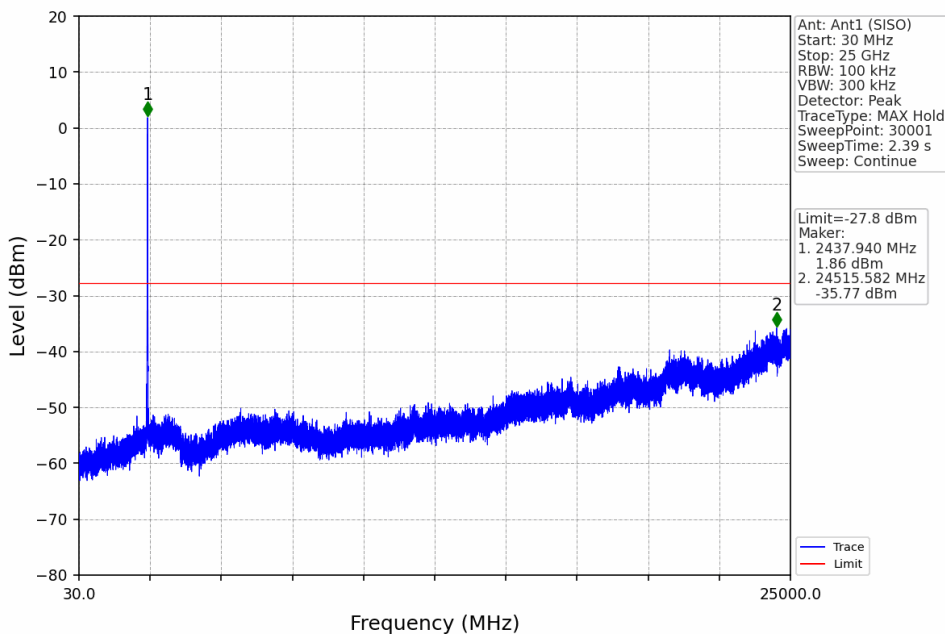
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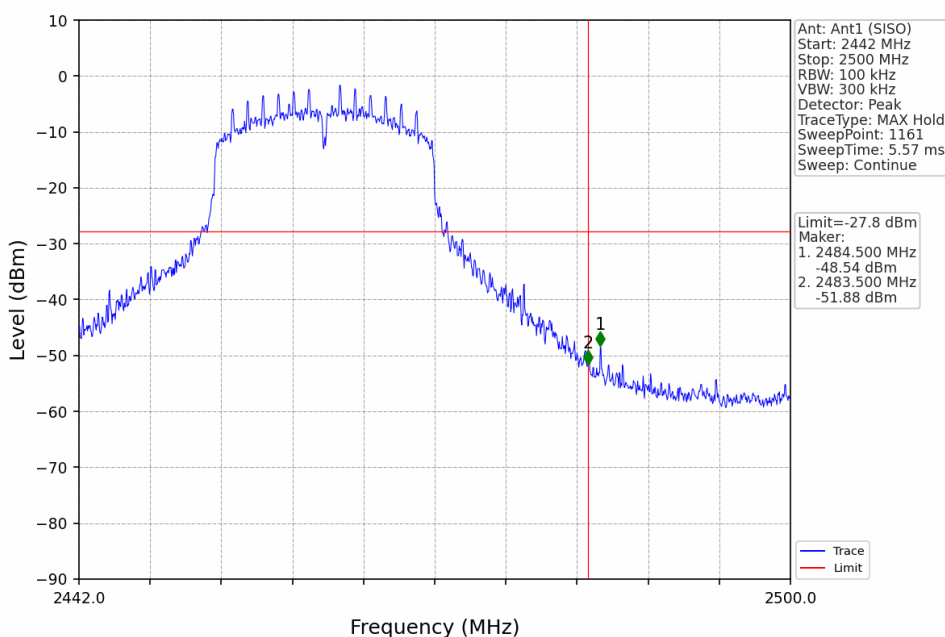
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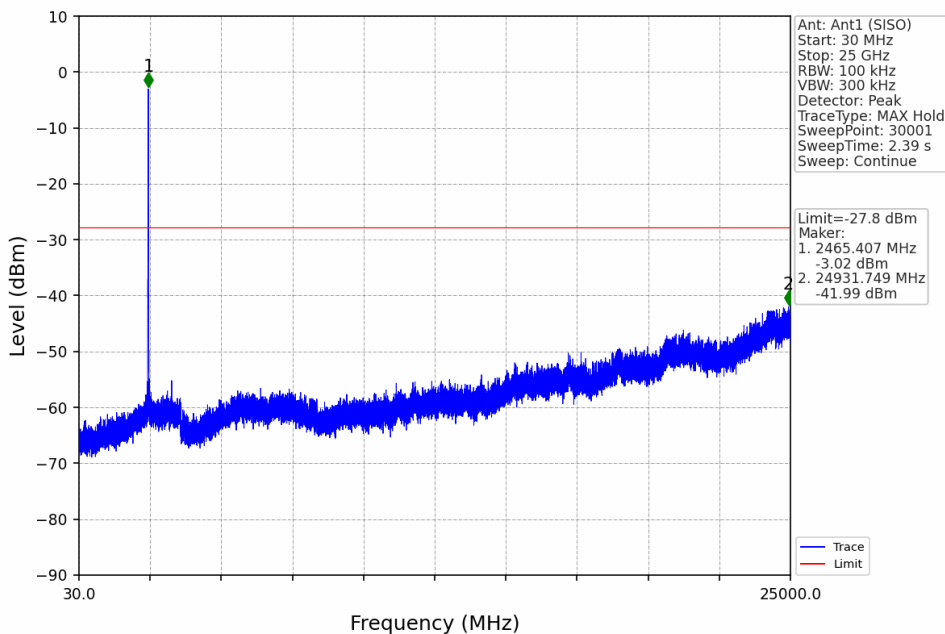
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



- End of the Report -

