

Appendix A for-KSCR220100003001AT-FCC-2.4G-MT7668

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

| 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            | 8.383     | 8.477       | 98.89          | 0.05                              | 0.04                  |
|                |         | 2437            | 8.384     | 8.477       | 98.90          | 0.05                              | 0.04                  |
|                |         | 2462            | 8.383     | 8.476       | 98.90          | 0.05                              | 0.04                  |
| 802.11g        | SISO    | 2412            | 1.392     | 1.490       | 93.42          | 0.30                              | 0.03                  |
|                |         | 2437            | 1.392     | 1.491       | 93.36          | 0.30                              | 0.06                  |
|                |         | 2462            | 1.392     | 1.490       | 93.42          | 0.30                              | 0.03                  |
| 802.11n (HT20) | MIMO    | 2412            | 1.300     | 1.399       | 92.92          | 0.32                              | 0.03                  |
|                |         | 2437            | 1.300     | 1.398       | 92.99          | 0.32                              | 0.00                  |
|                |         | 2462            | 1.299     | 1.398       | 92.92          | 0.32                              | 0.00                  |
| 802.11n (HT40) | MIMO    | 2422            | 0.648     | 0.746       | 86.86          | 0.61                              | 0.03                  |
|                |         | 2437            | 0.648     | 0.746       | 86.86          | 0.61                              | 0.04                  |
|                |         | 2452            | 0.648     | 0.746       | 86.86          | 0.61                              | 0.03                  |

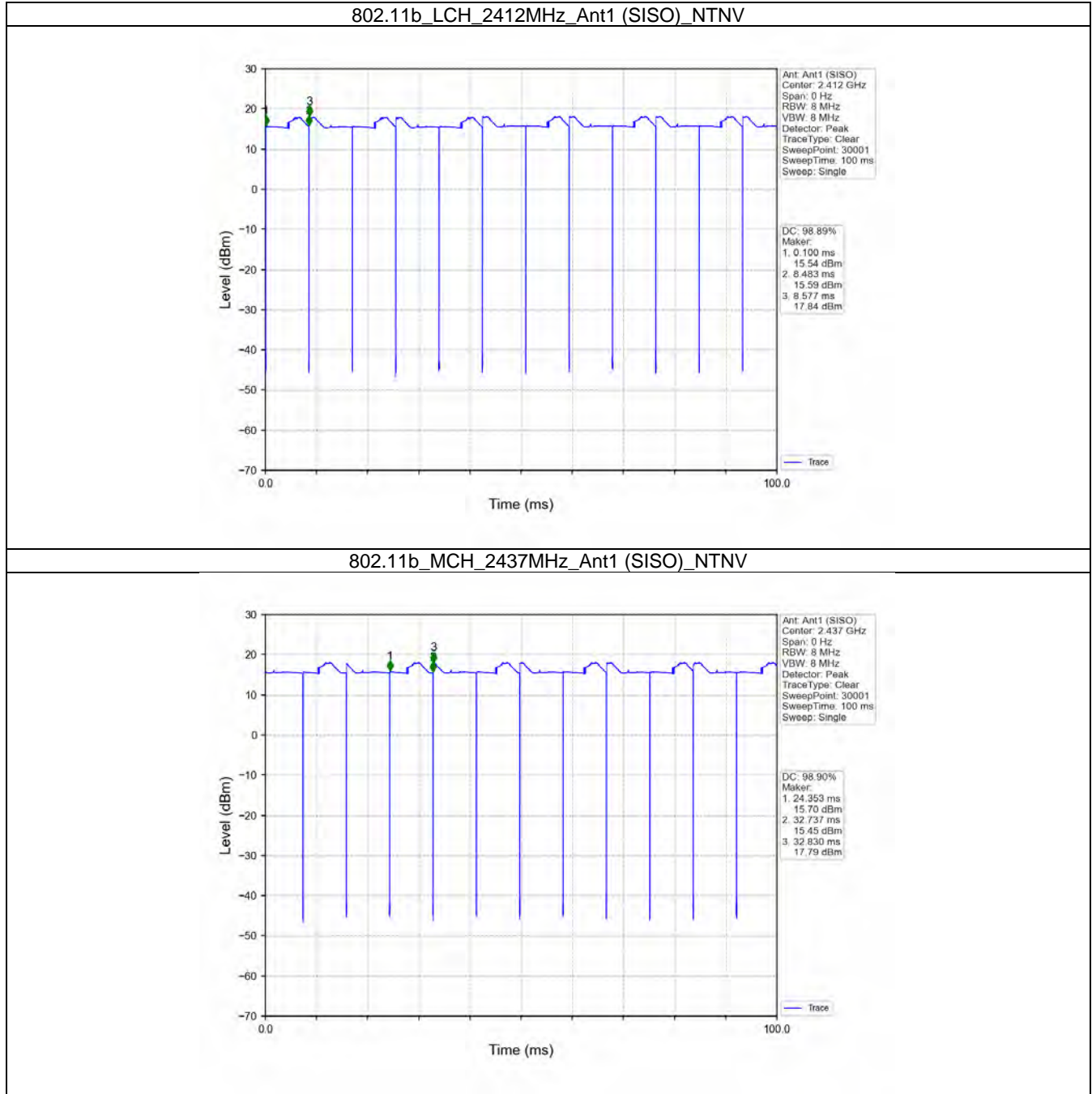


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1.1.2 Test Graph



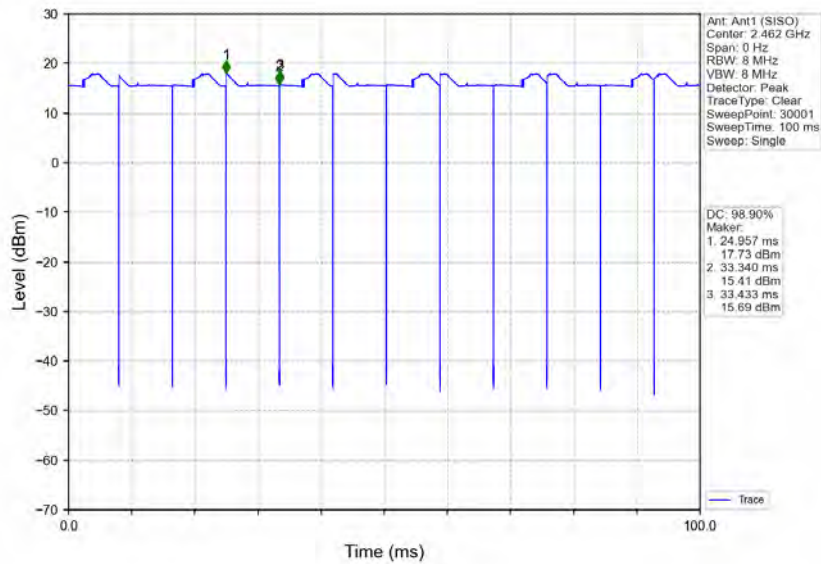
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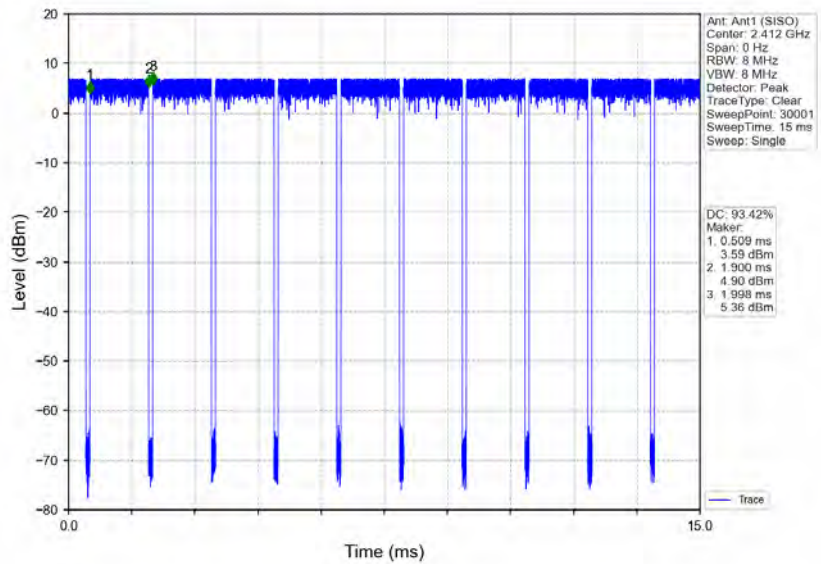
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



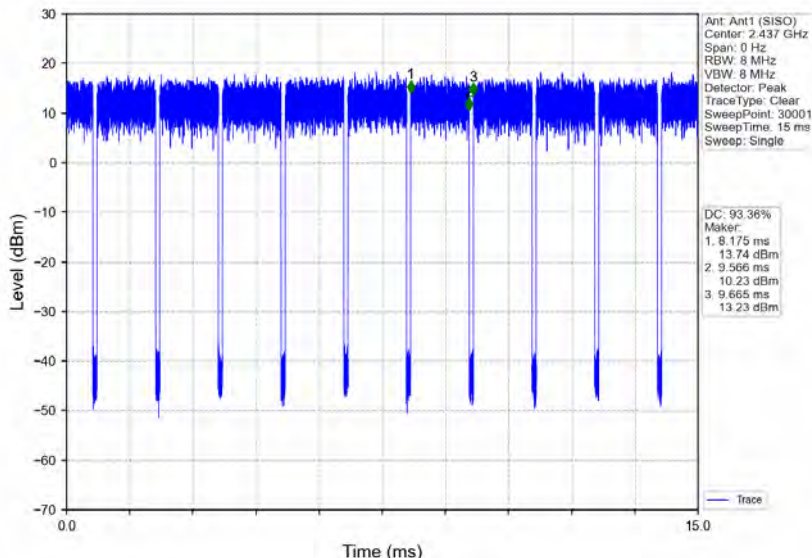
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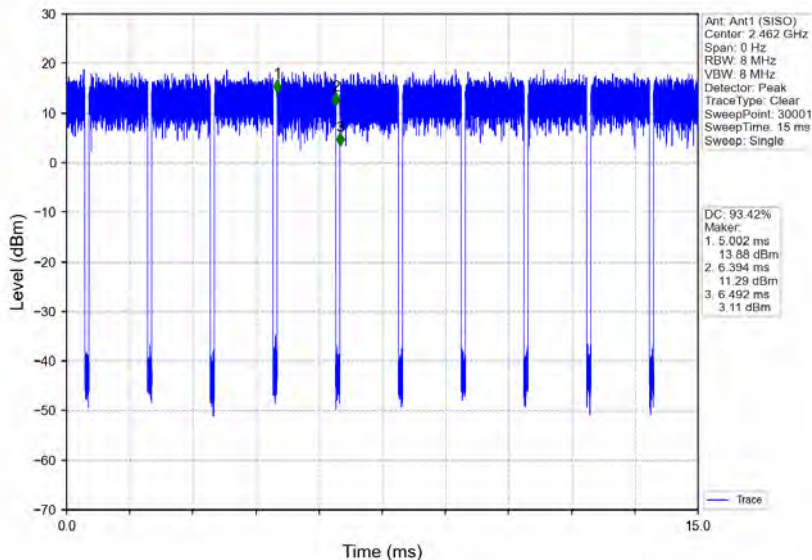
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



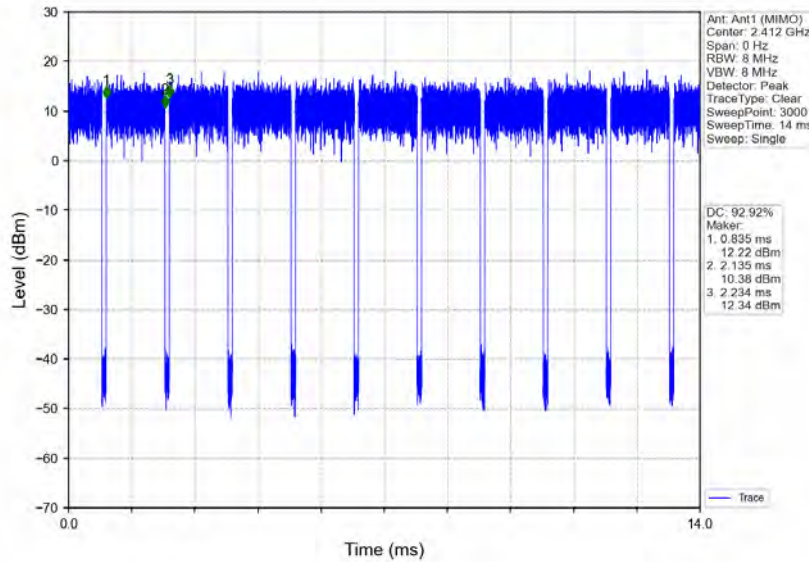
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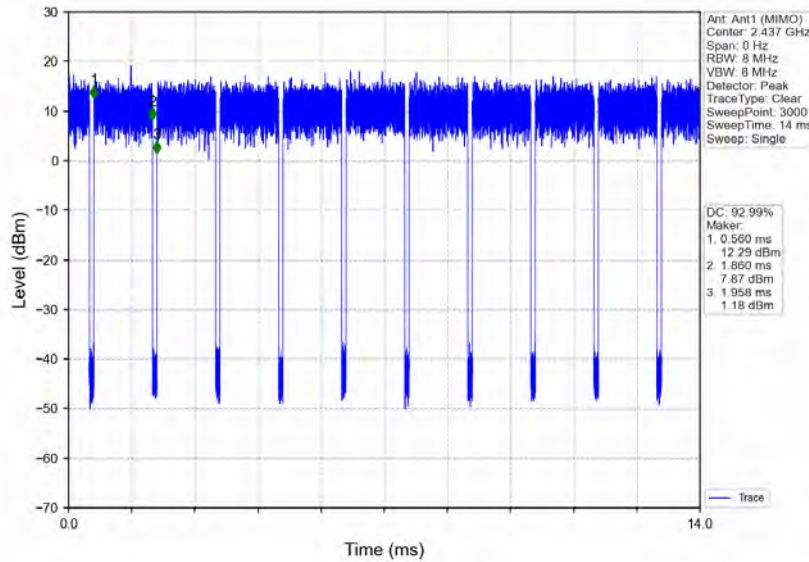
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



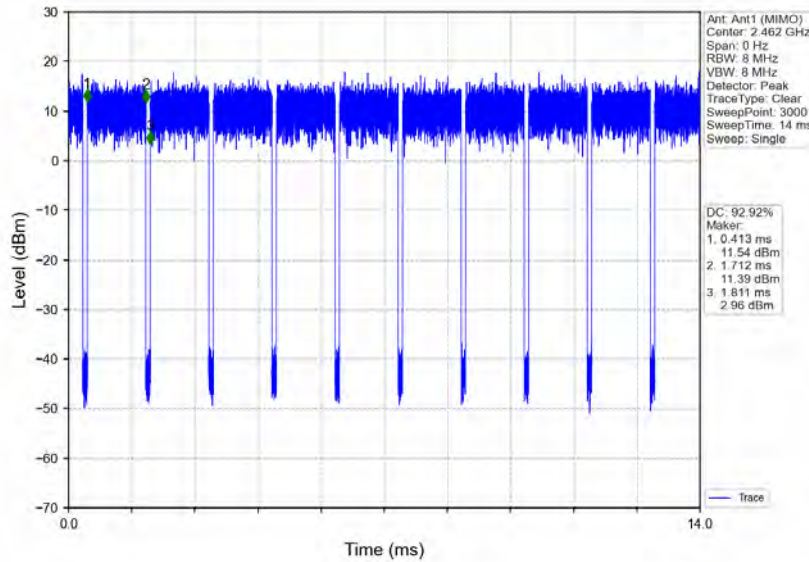
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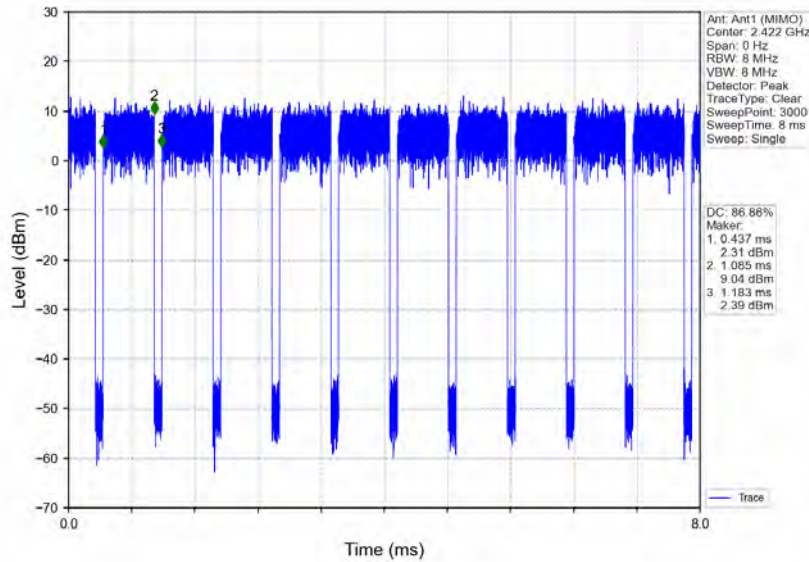
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



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



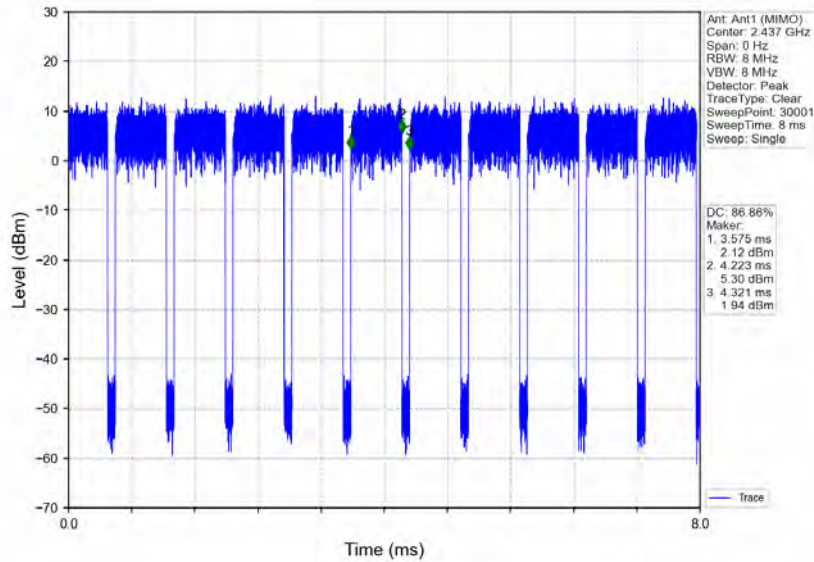
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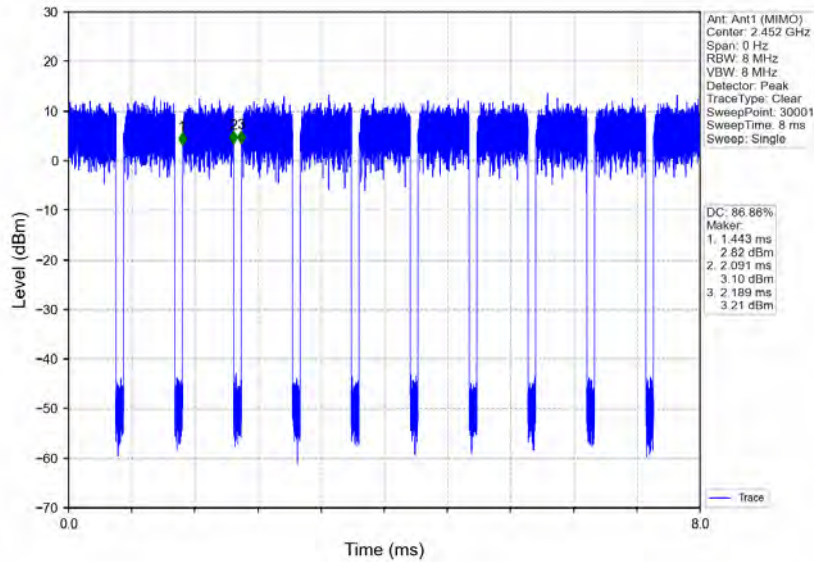
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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



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## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) | Verdict |
|----------------|---------|-----------------|-----|------------------------------|---------|
|                |         |                 |     | Result                       |         |
| 802.11b        | SISO    | 2412            | 1   | 13.461                       | Pass    |
|                |         |                 | 2   | 13.363                       | Pass    |
|                |         | 2437            | 1   | 13.451                       | Pass    |
|                |         |                 | 2   | 13.387                       | Pass    |
|                |         | 2462            | 1   | 13.429                       | Pass    |
|                |         |                 | 2   | 13.369                       | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 17.357                       | Pass    |
|                |         |                 | 2   | 17.331                       | Pass    |
|                |         | 2437            | 1   | 17.358                       | Pass    |
|                |         |                 | 2   | 17.345                       | Pass    |
|                |         | 2462            | 1   | 17.334                       | Pass    |
|                |         |                 | 2   | 17.345                       | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | 18.137                       | Pass    |
|                |         |                 | 2   | 18.101                       | Pass    |
|                |         | 2437            | 1   | 18.147                       | Pass    |
|                |         |                 | 2   | 18.101                       | Pass    |
|                |         | 2462            | 1   | 18.096                       | Pass    |
|                |         |                 | 2   | 18.104                       | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | 36.457                       | Pass    |
|                |         |                 | 2   | 36.419                       | Pass    |
|                |         | 2437            | 1   | 36.447                       | Pass    |
|                |         |                 | 2   | 36.360                       | Pass    |
|                |         | 2452            | 1   | 36.428                       | Pass    |
|                |         |                 | 2   | 36.391                       | Pass    |



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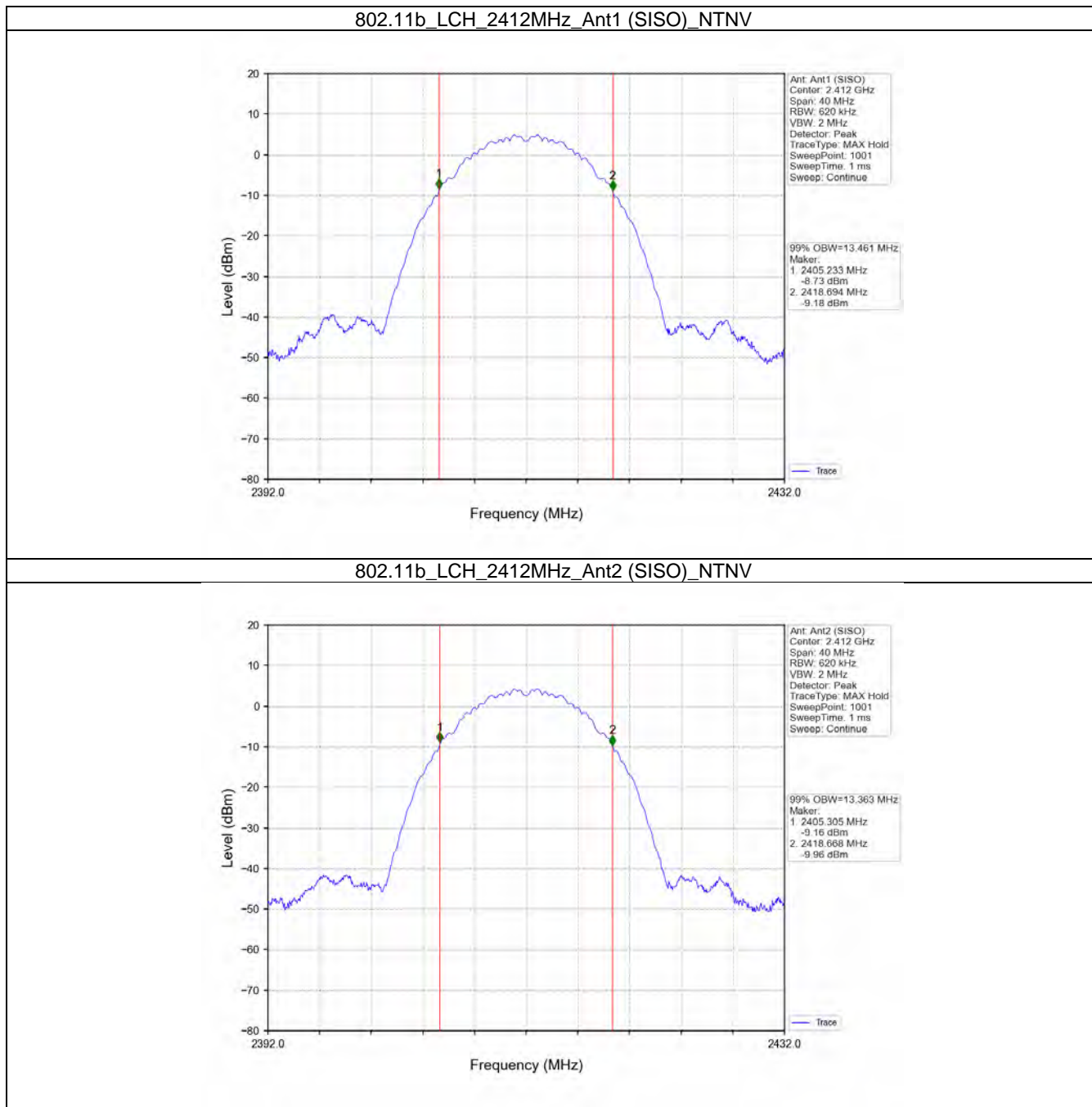
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2.1.2 Test Graph



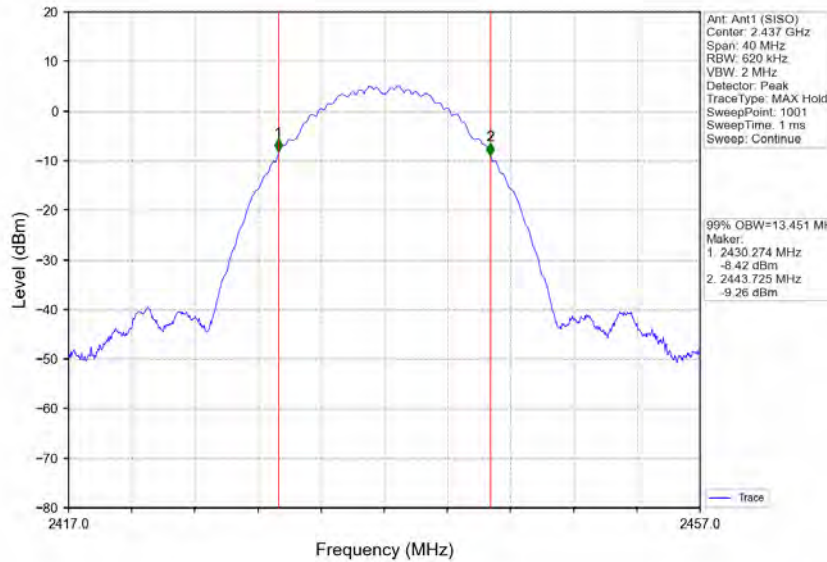
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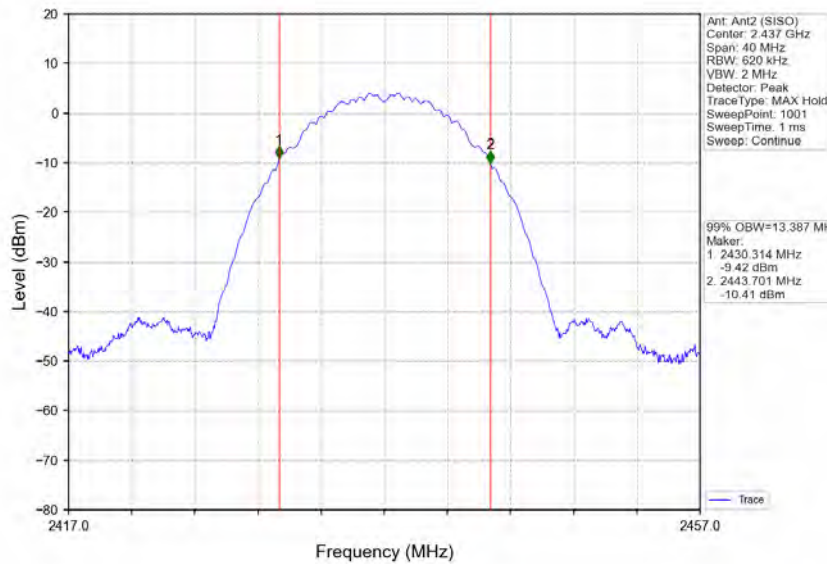
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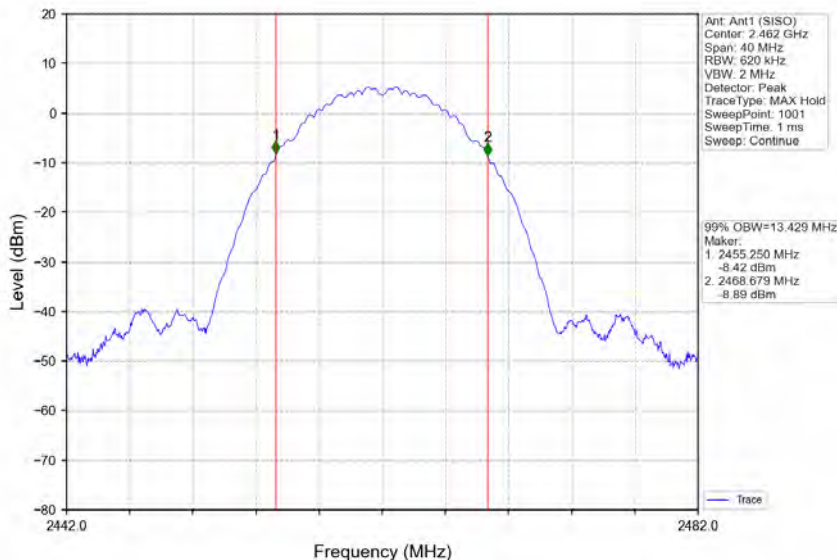
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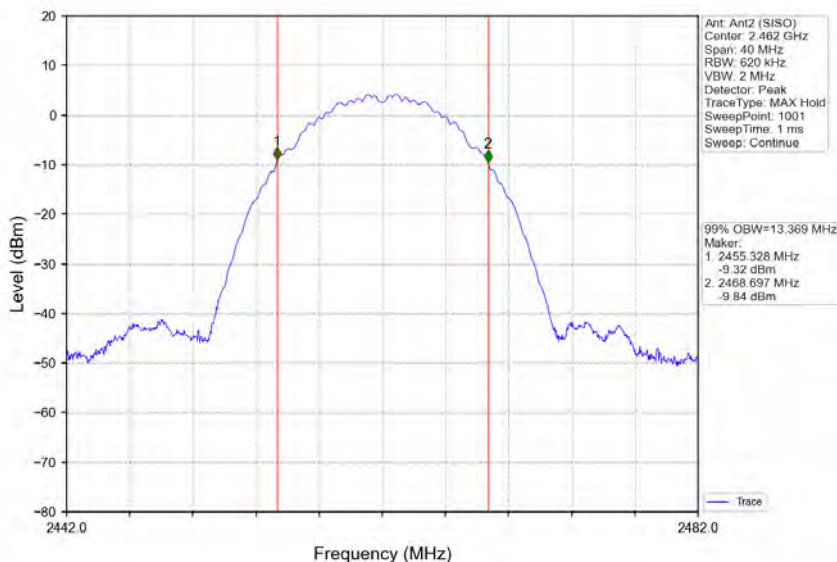
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



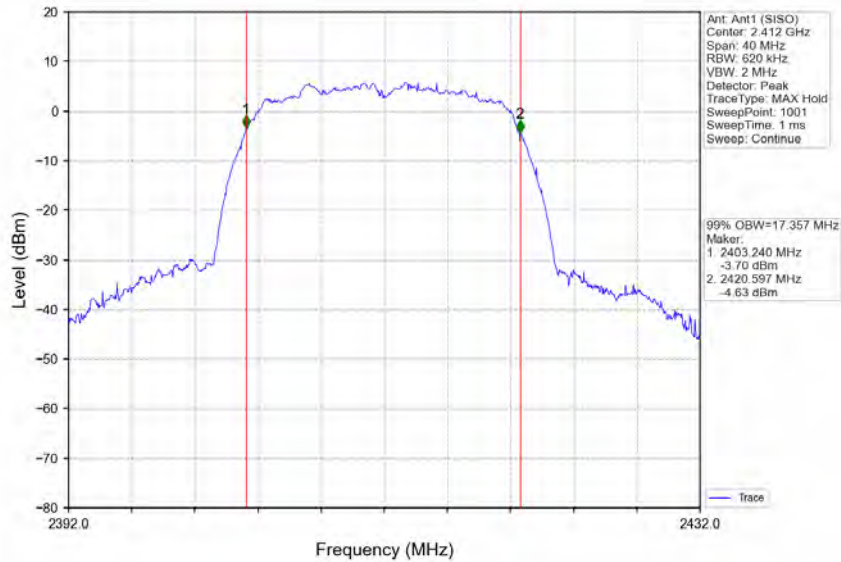
802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



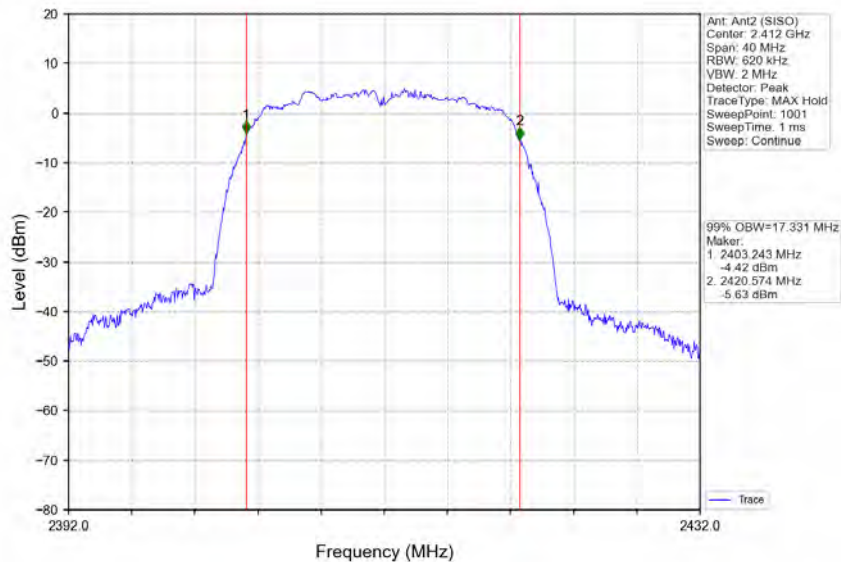
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



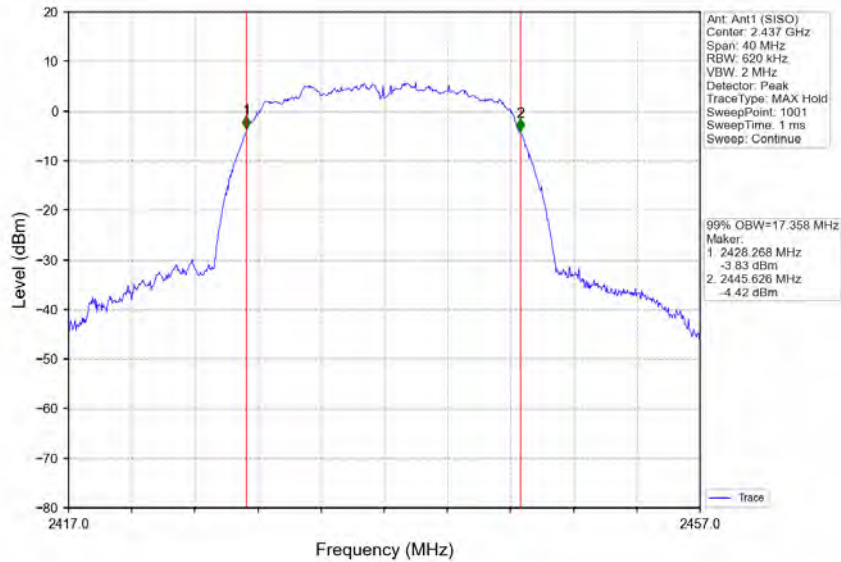
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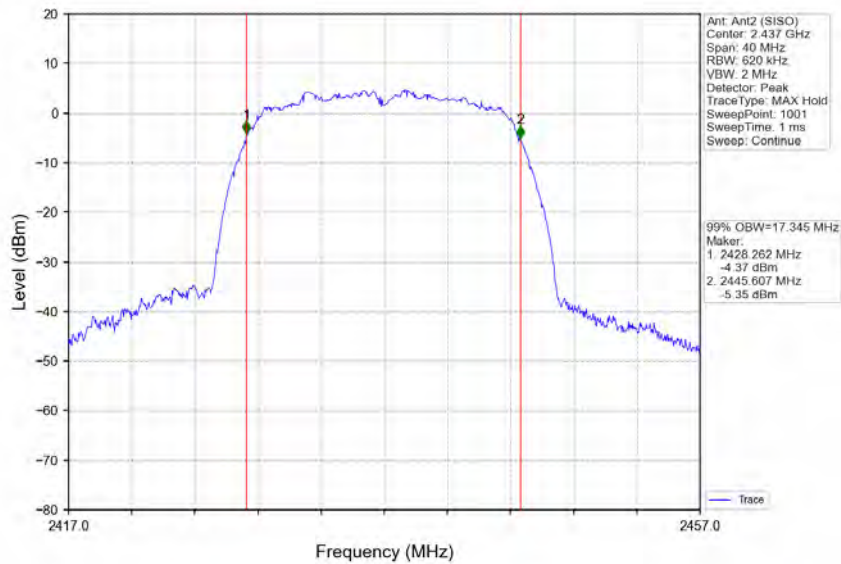
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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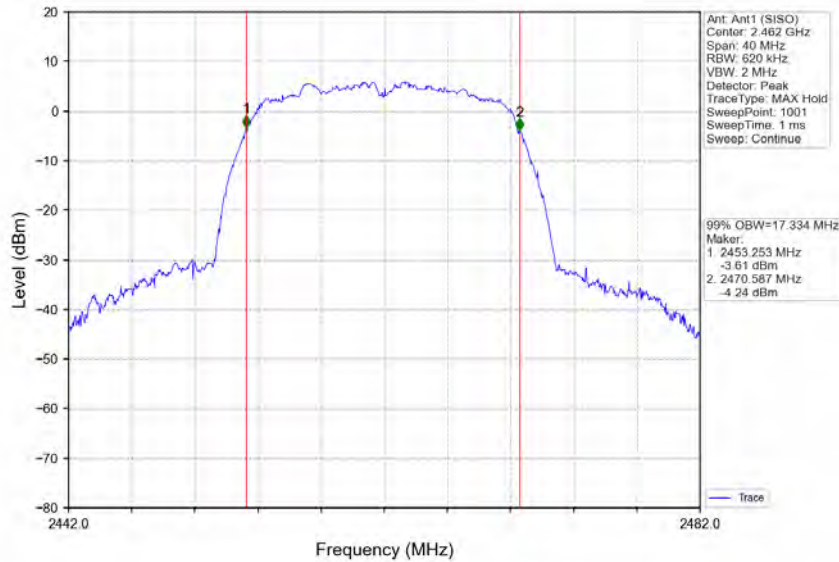
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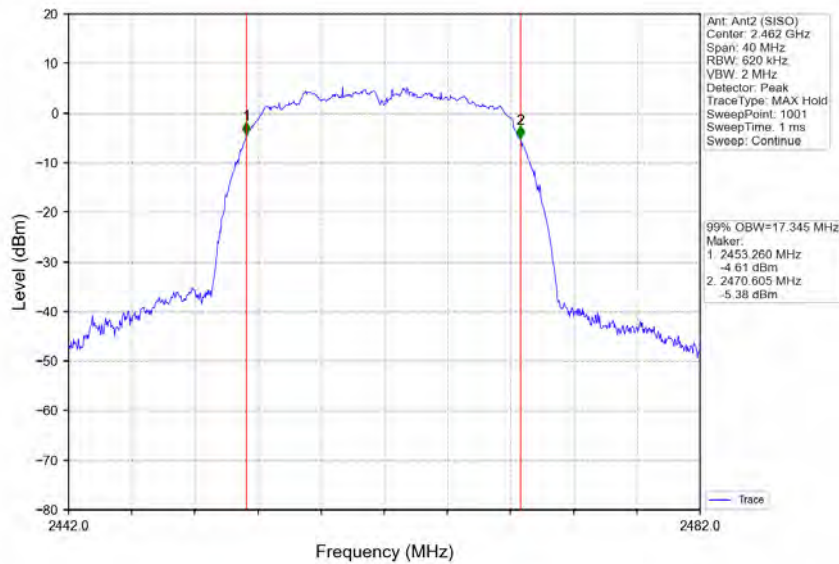
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802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



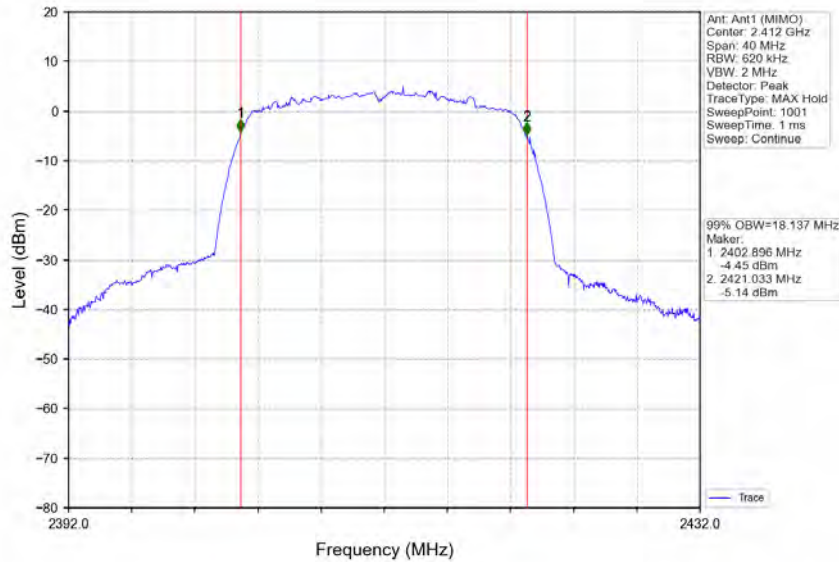
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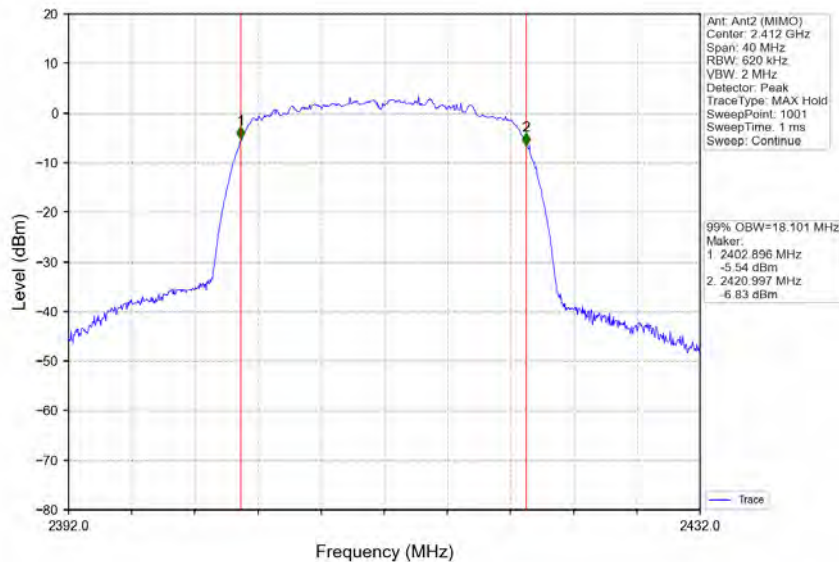
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



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



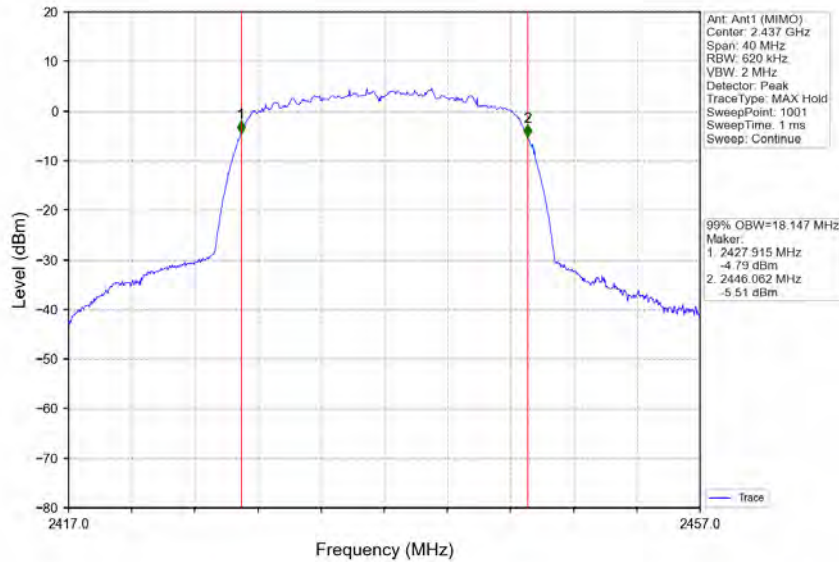
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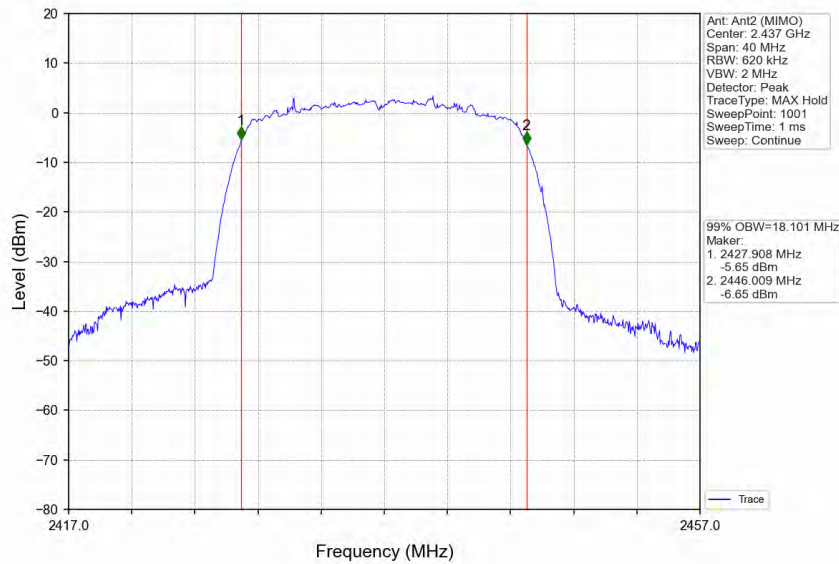
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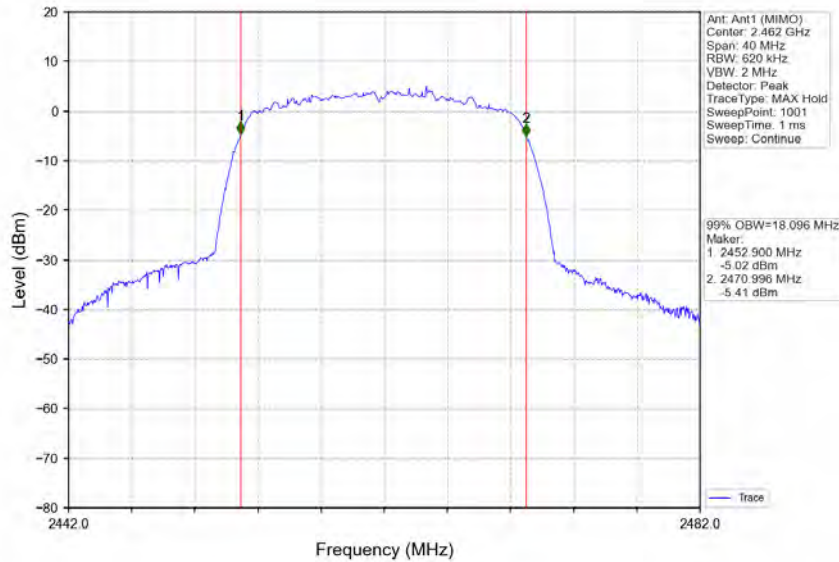
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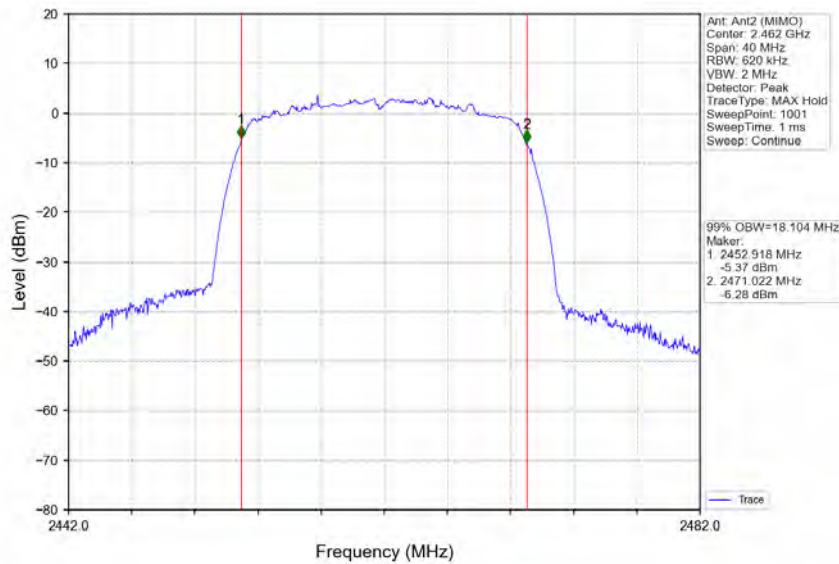
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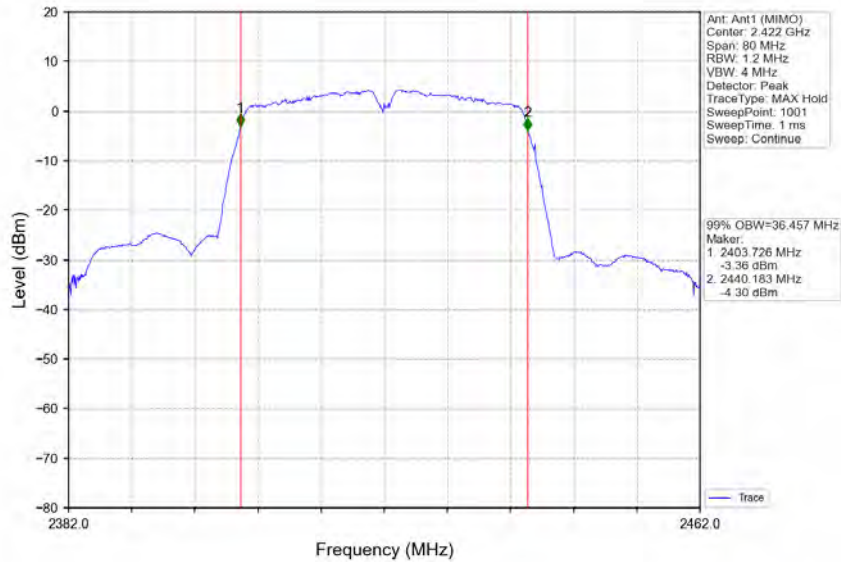
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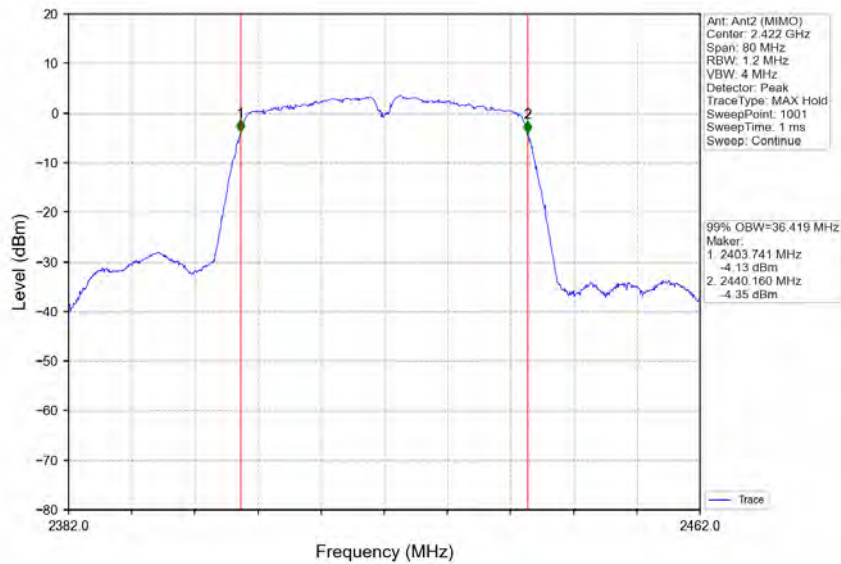
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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



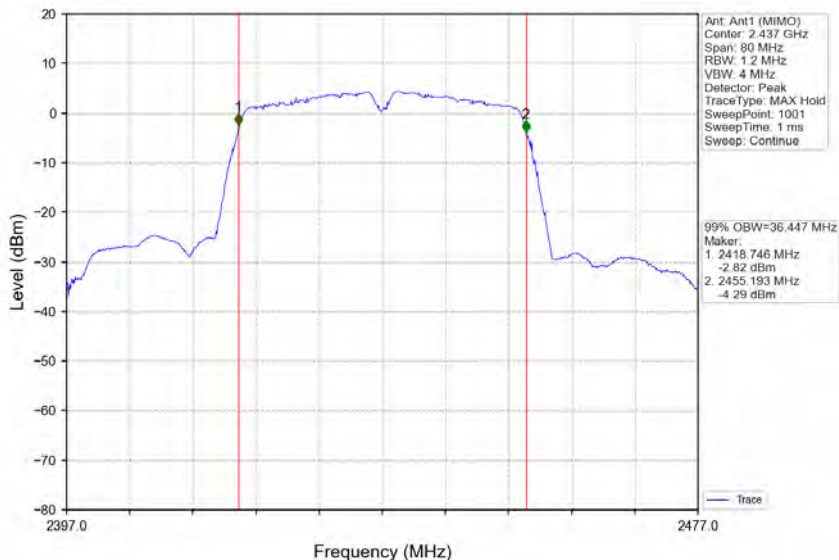
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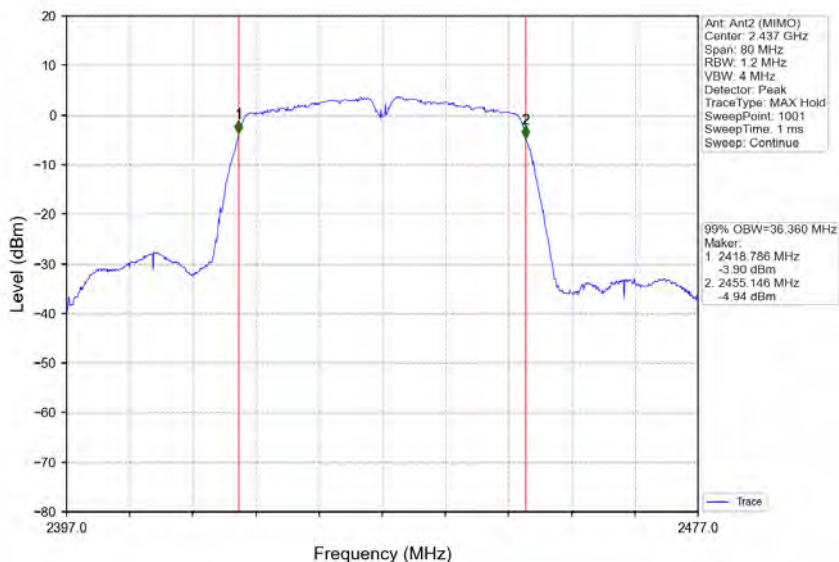
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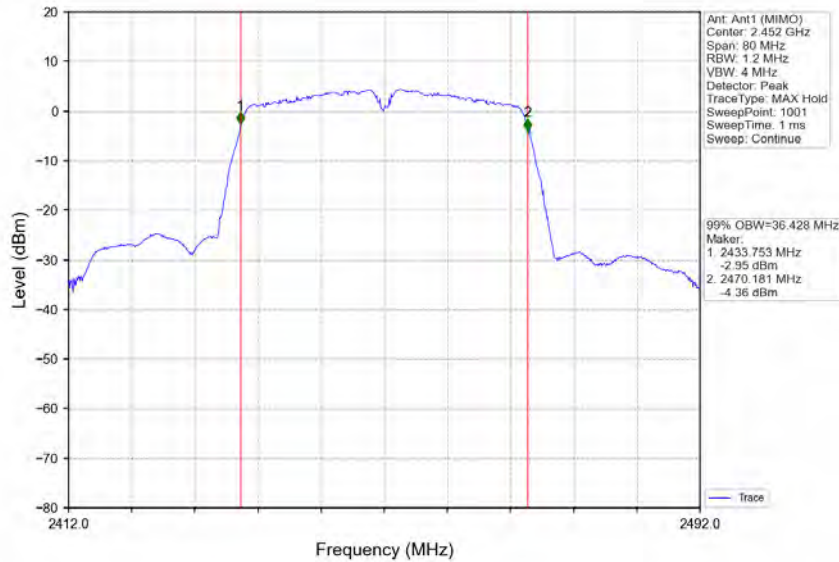
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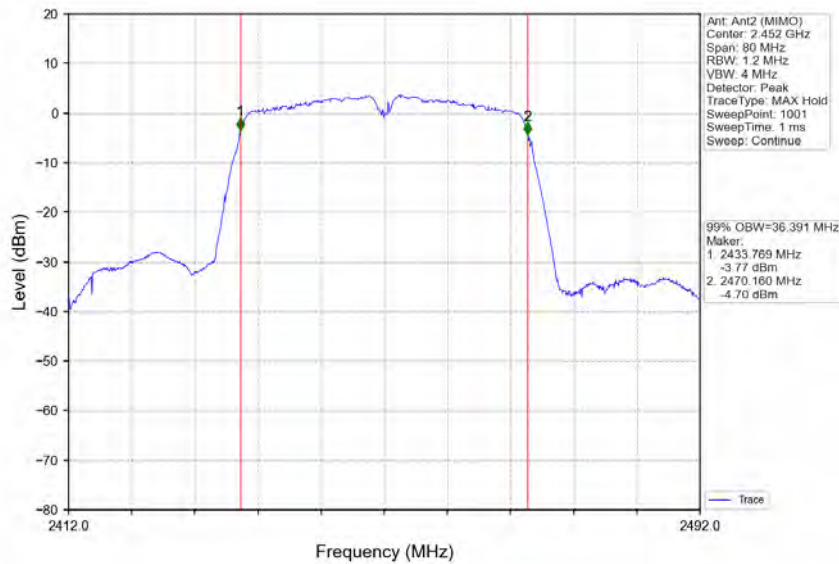
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2.2 6dB BW

2.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-----|---------------------|-------|---------|
|                |         |                 |     | Result              | Limit |         |
| 802.11b        | SISO    | 2412            | 1   | 9.094               | >=0.5 | Pass    |
|                |         |                 | 2   | 8.101               | >=0.5 | Pass    |
|                |         | 2437            | 1   | 9.079               | >=0.5 | Pass    |
|                |         |                 | 2   | 8.602               | >=0.5 | Pass    |
|                |         | 2462            | 1   | 8.580               | >=0.5 | Pass    |
|                |         |                 | 2   | 9.088               | >=0.5 | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 15.164              | >=0.5 | Pass    |
|                |         |                 | 2   | 15.148              | >=0.5 | Pass    |
|                |         | 2437            | 1   | 15.164              | >=0.5 | Pass    |
|                |         |                 | 2   | 15.149              | >=0.5 | Pass    |
|                |         | 2462            | 1   | 15.162              | >=0.5 | Pass    |
|                |         |                 | 2   | 15.169              | >=0.5 | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | 15.157              | >=0.5 | Pass    |
|                |         |                 | 2   | 15.156              | >=0.5 | Pass    |
|                |         | 2437            | 1   | 15.159              | >=0.5 | Pass    |
|                |         |                 | 2   | 15.160              | >=0.5 | Pass    |
|                |         | 2462            | 1   | 15.157              | >=0.5 | Pass    |
|                |         |                 | 2   | 15.157              | >=0.5 | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | 35.159              | >=0.5 | Pass    |
|                |         |                 | 2   | 35.149              | >=0.5 | Pass    |
|                |         | 2437            | 1   | 35.159              | >=0.5 | Pass    |
|                |         |                 | 2   | 35.157              | >=0.5 | Pass    |
|                |         | 2452            | 1   | 35.155              | >=0.5 | Pass    |
|                |         |                 | 2   | 35.159              | >=0.5 | Pass    |

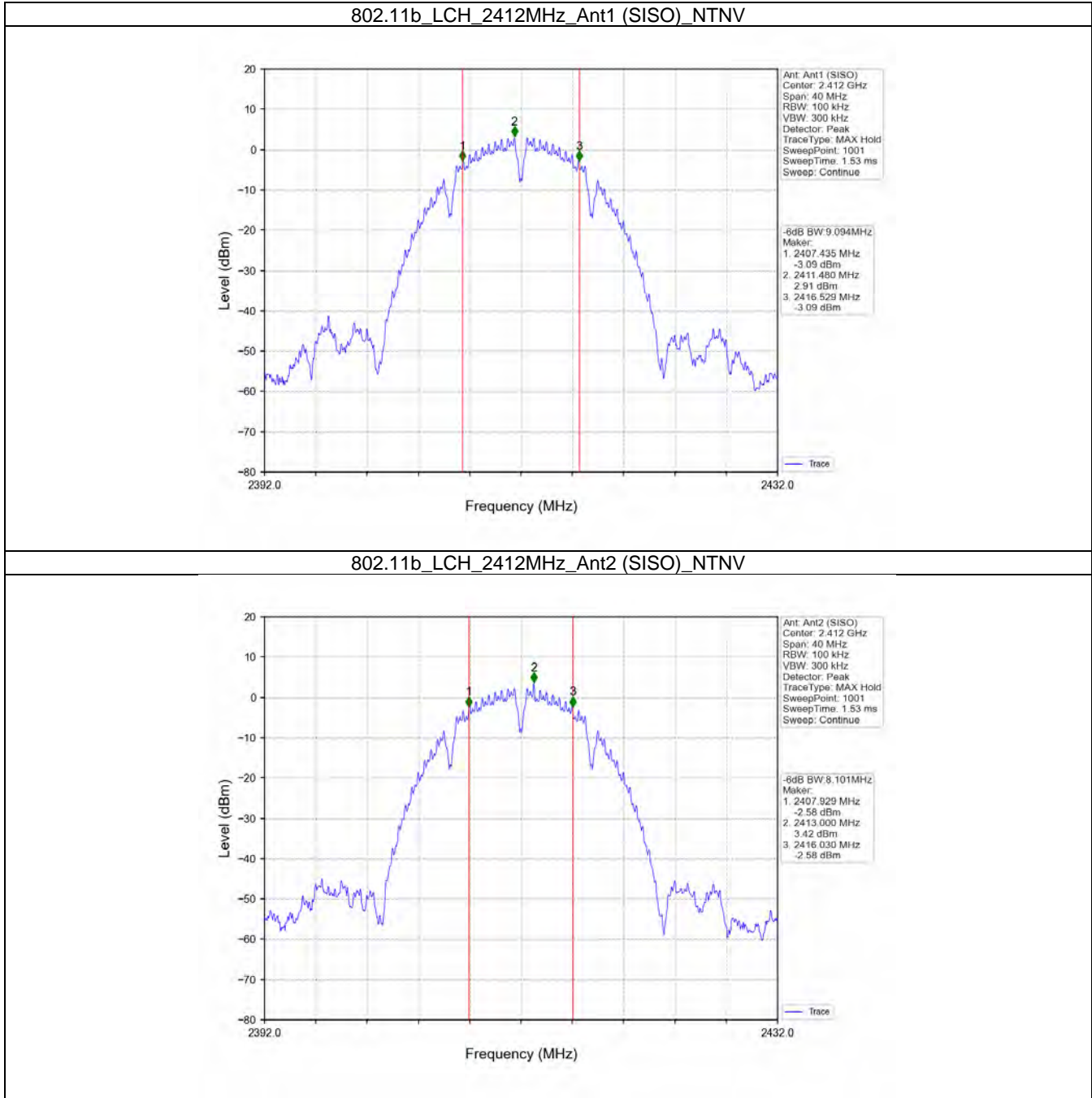


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2.2.2 Test Graph



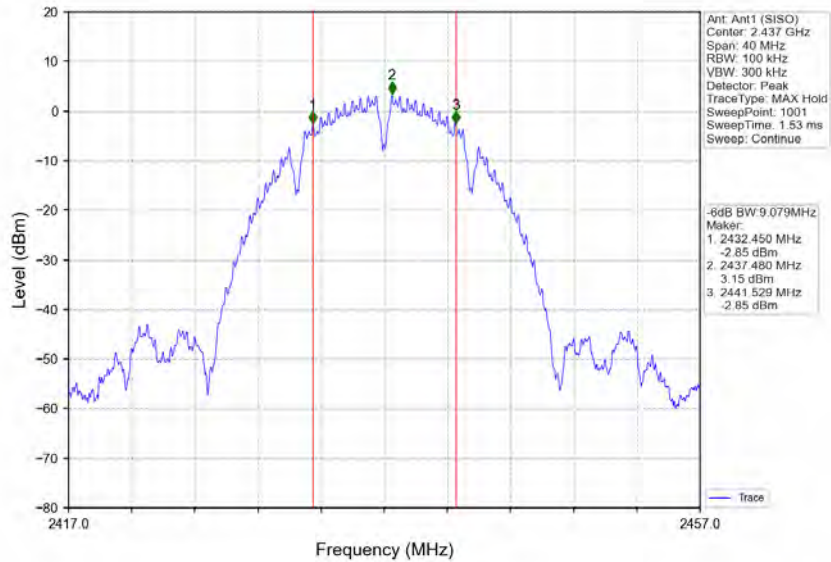
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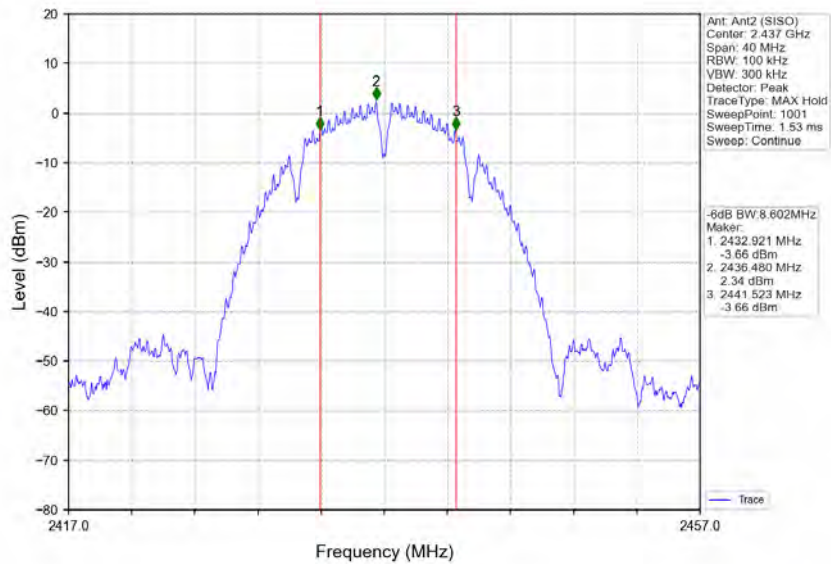
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802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



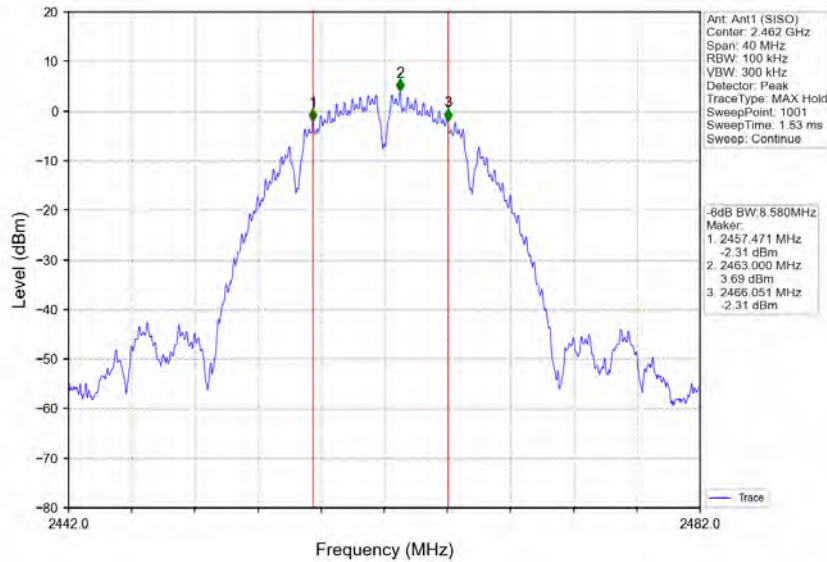
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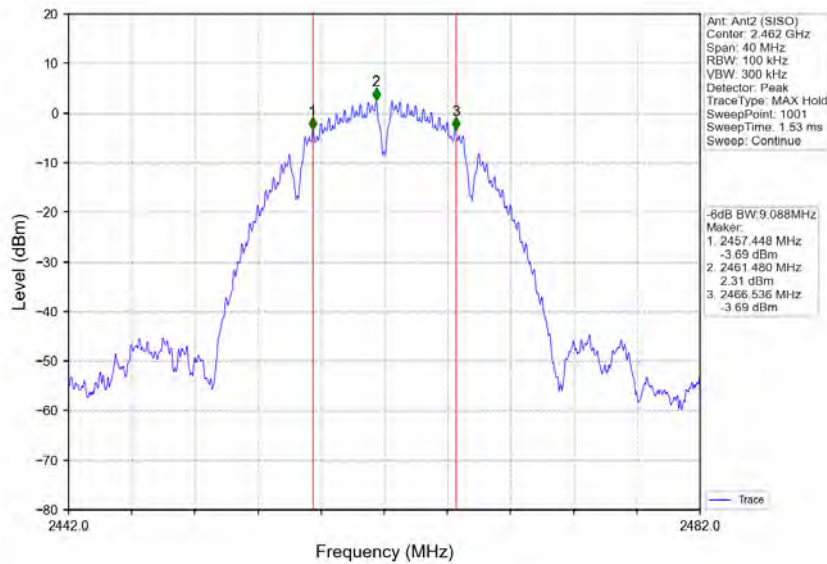
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

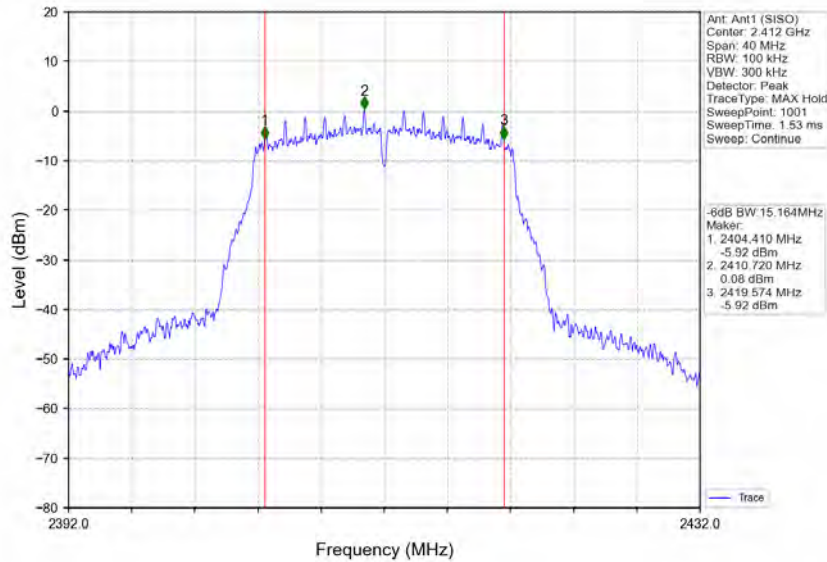


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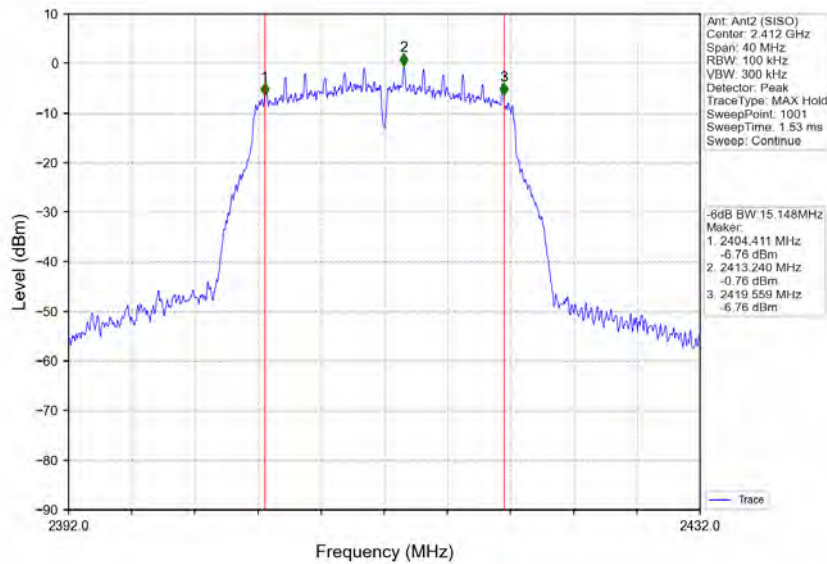
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



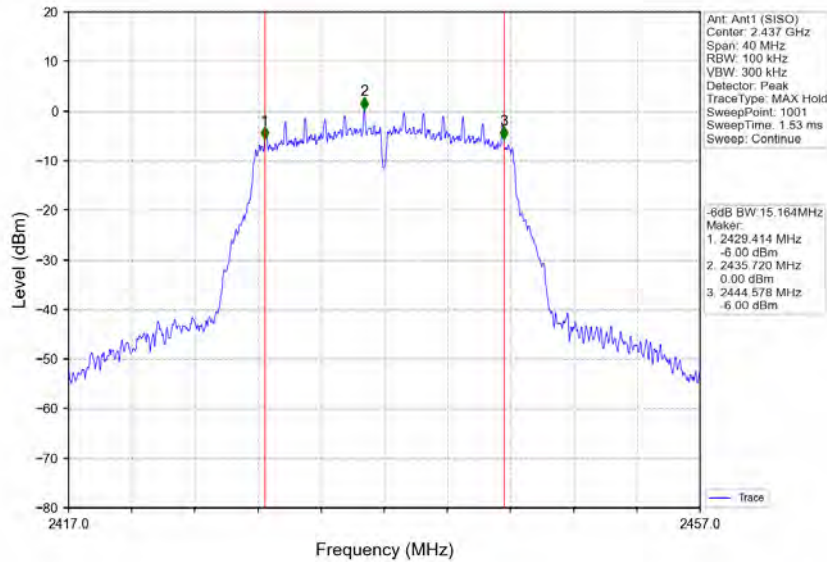
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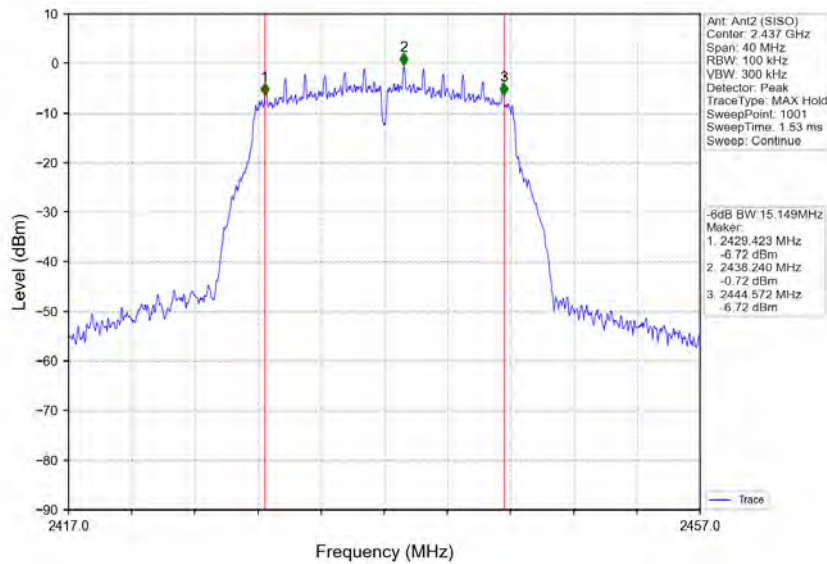
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



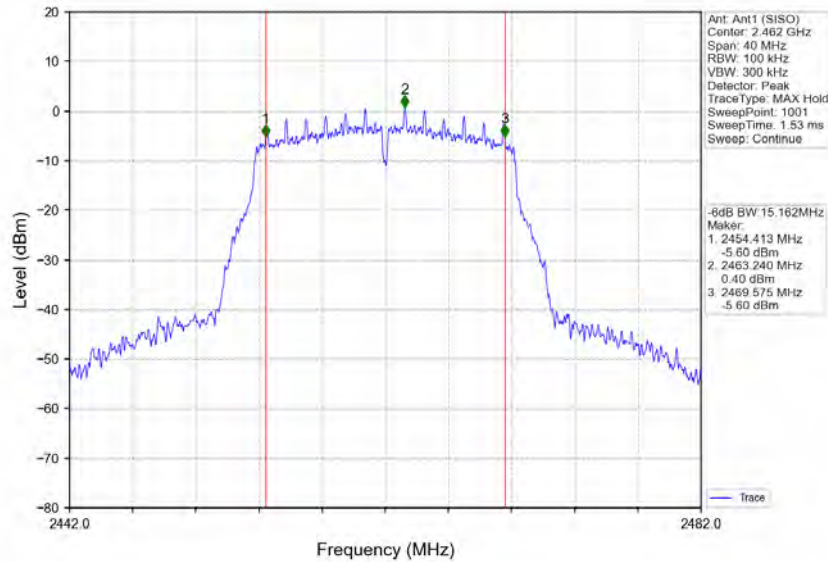
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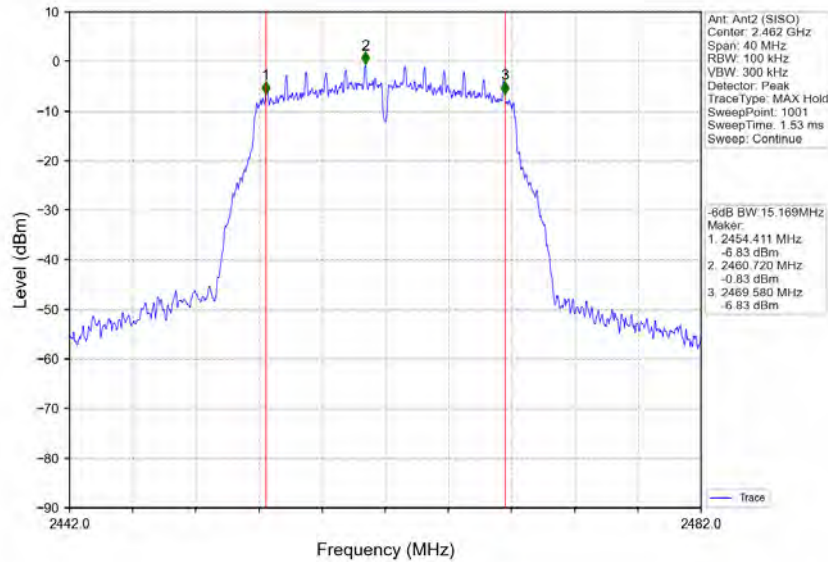
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802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



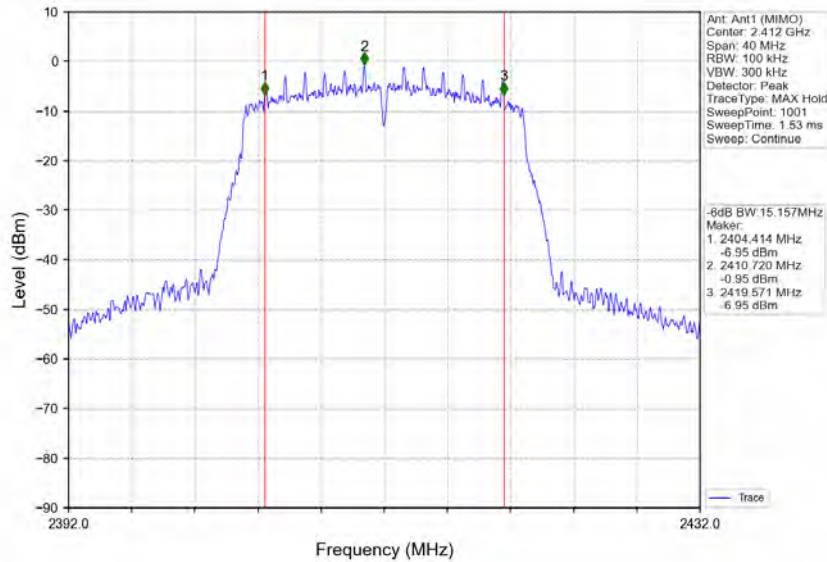
802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



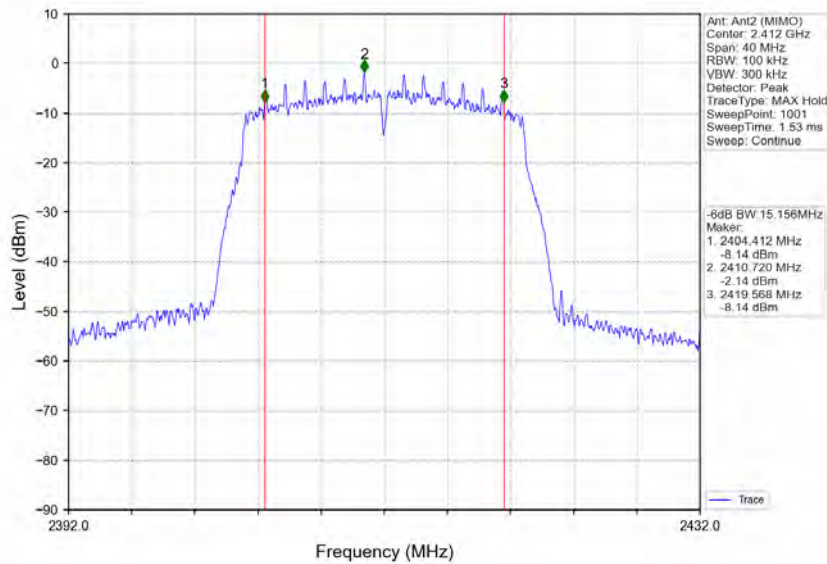
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



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



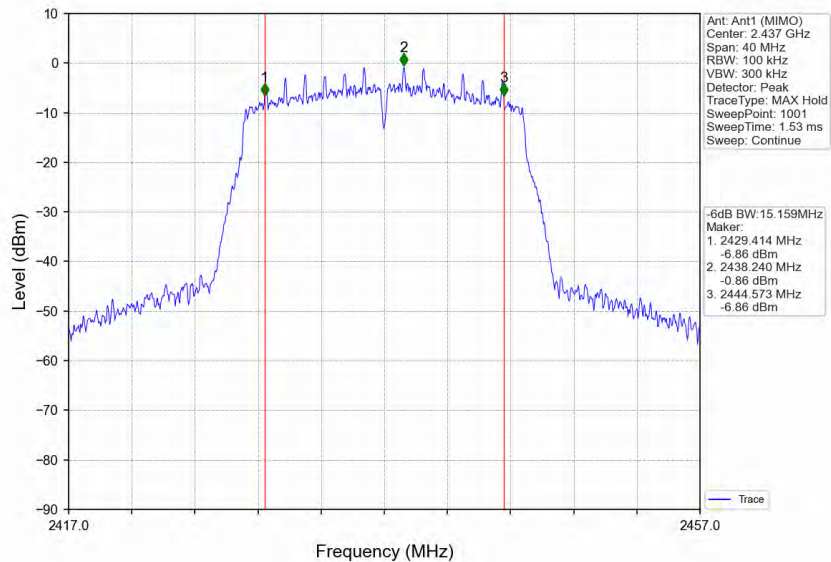
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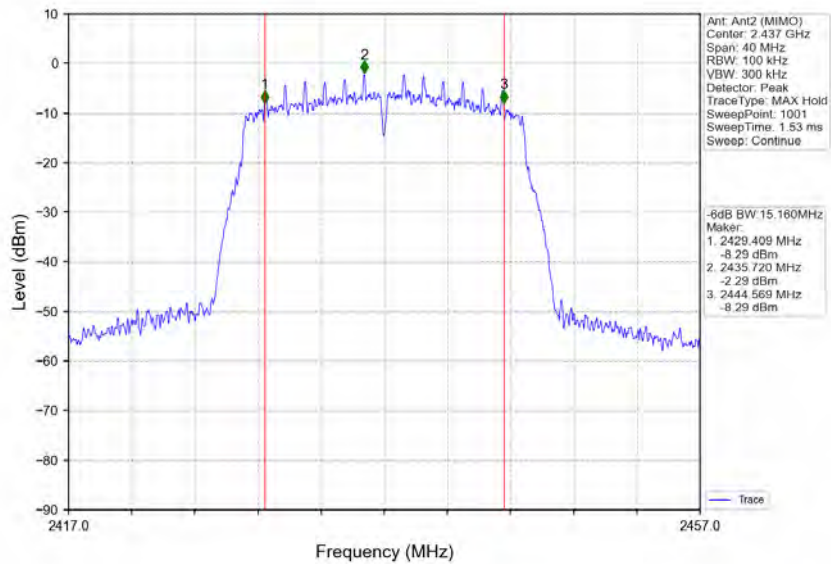
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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



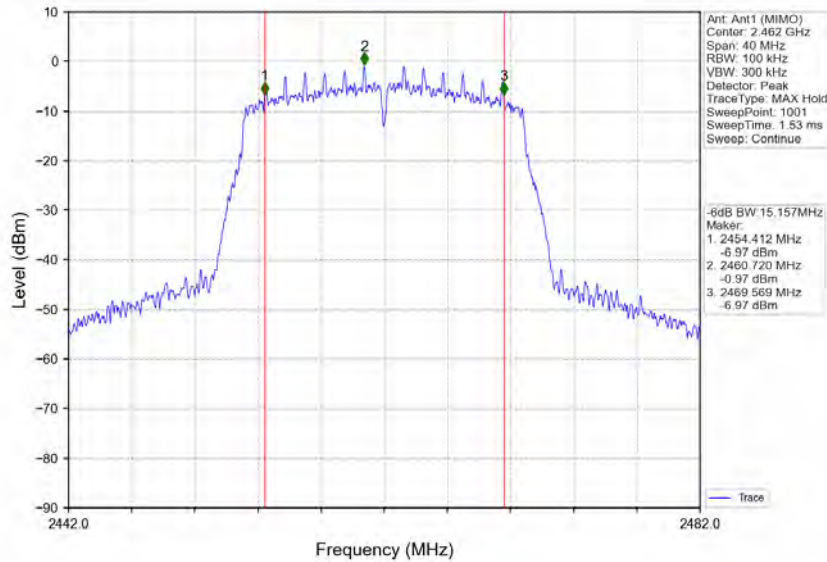
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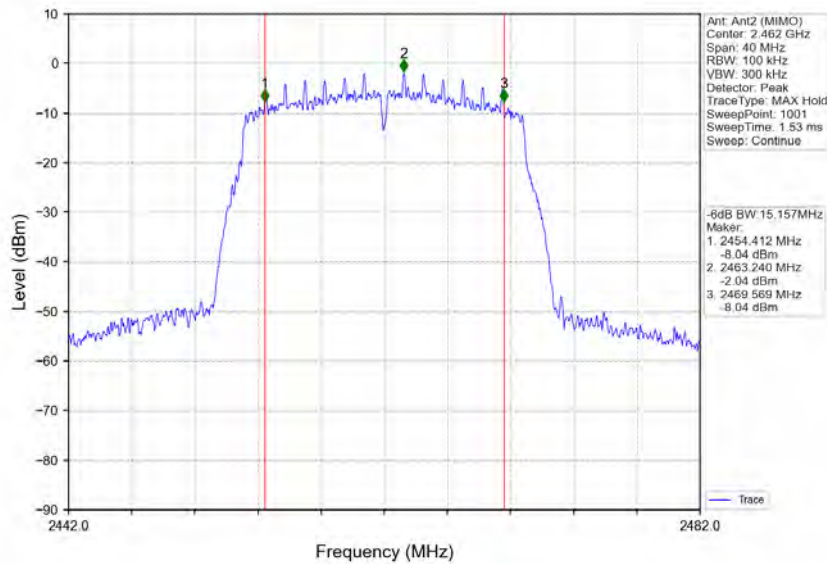
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



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



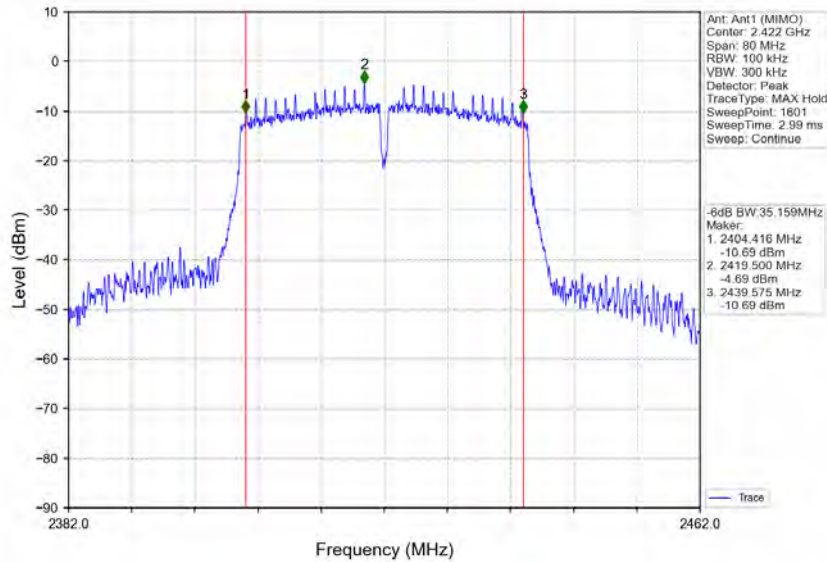
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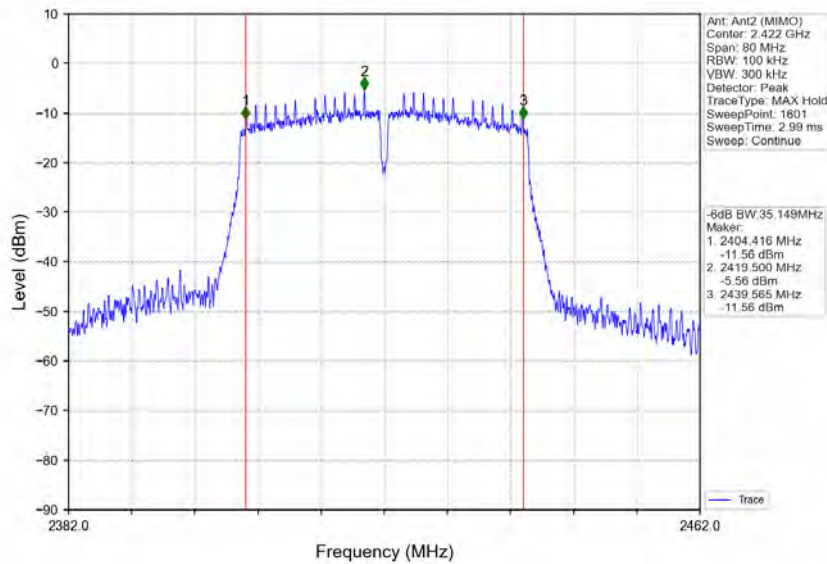
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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



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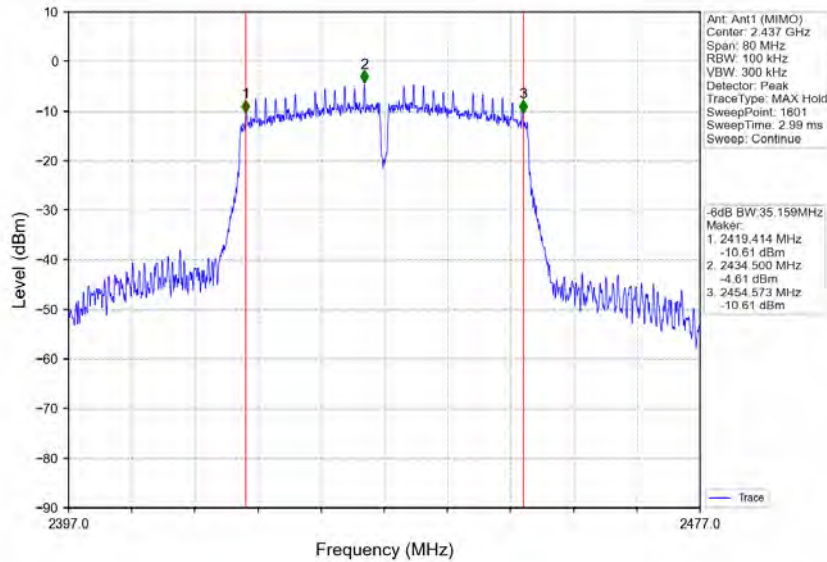
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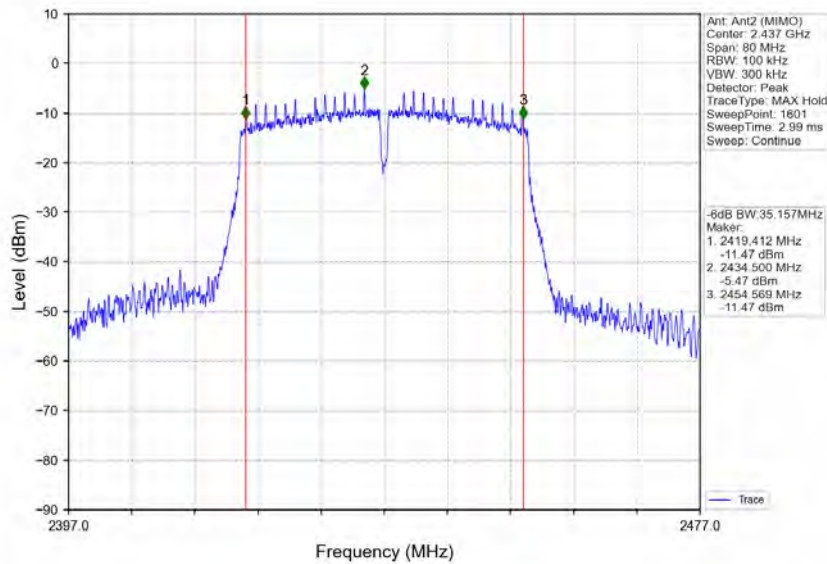
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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



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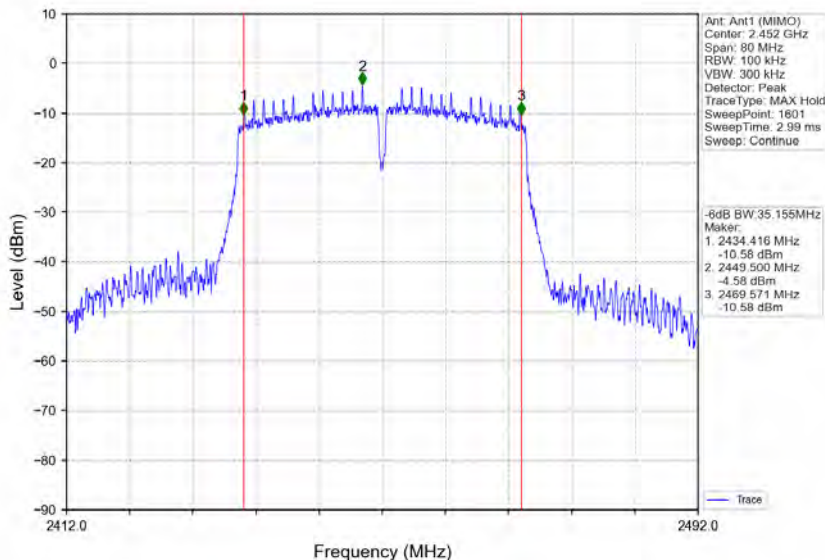
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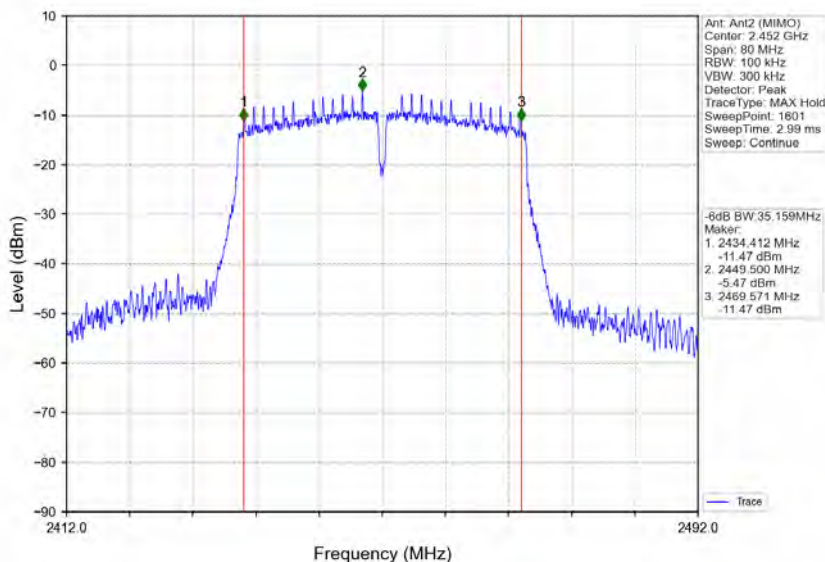
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802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



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



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### 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   | Ant2  | MIMO  | Limit |         |
| 802.11b        | SISO    | 2412            | 12.43  | 11.67 | /     | <=30  | Pass    |
|                |         | 2437            | 12.56  | 11.71 | /     | <=30  | Pass    |
|                |         | 2462            | 12.79  | 11.77 | /     | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 10.62  | 9.58  | /     | <=30  | Pass    |
|                |         | 2437            | 10.55  | 9.56  | /     | <=30  | Pass    |
|                |         | 2462            | 10.88  | 9.73  | /     | <=30  | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 9.37   | 8.06  | 11.77 | <=30  | Pass    |
|                |         | 2437            | 9.46   | 7.98  | 11.79 | <=30  | Pass    |
|                |         | 2462            | 9.31   | 8.24  | 11.82 | <=30  | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 8.62   | 7.75  | 11.22 | <=30  | Pass    |
|                |         | 2437            | 8.67   | 7.88  | 11.30 | <=30  | Pass    |
|                |         | 2452            | 8.74   | 7.85  | 11.33 | <=30  | Pass    |

Note1: Antenna Gain: Ant1: -3.82dBi; Ant2: 0.97dBi;  
 Note2: Directional Gain: 1.91dBi



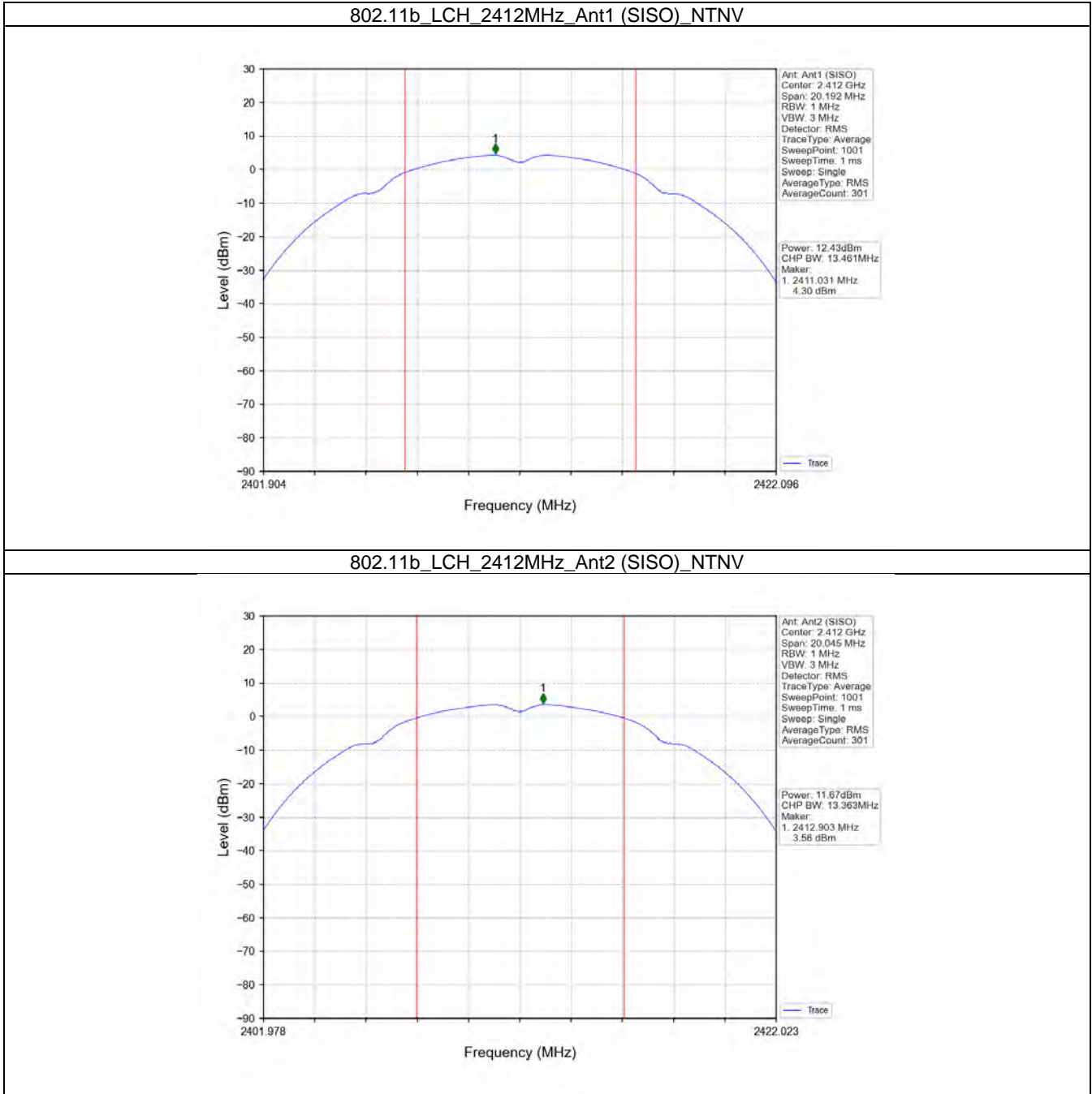
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3.1.2 Test Graph



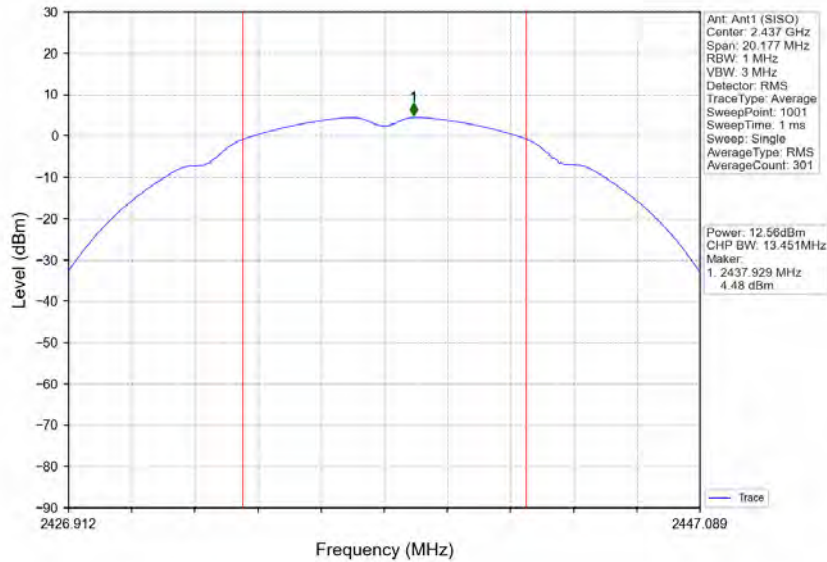
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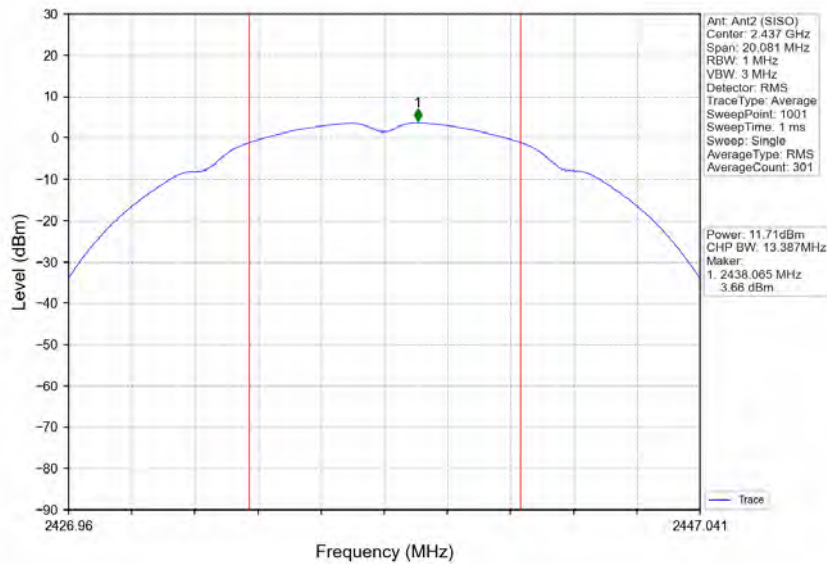
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802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



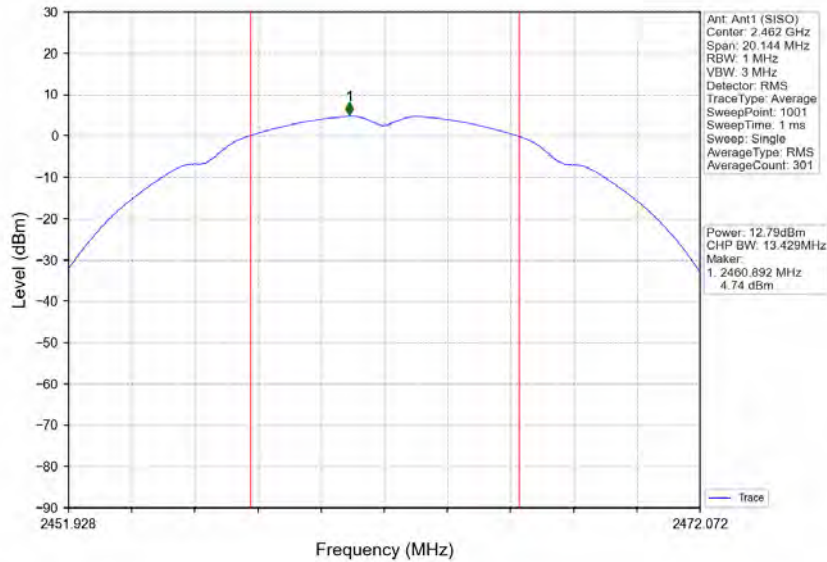
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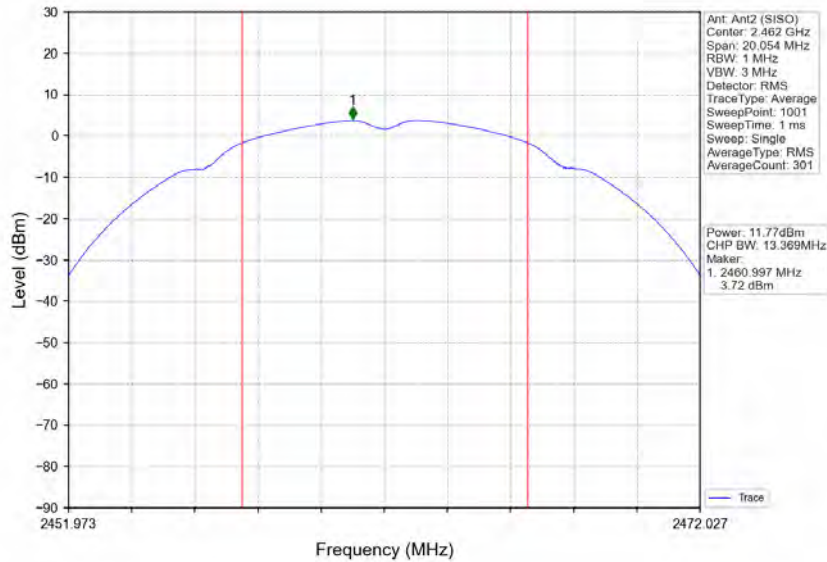
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



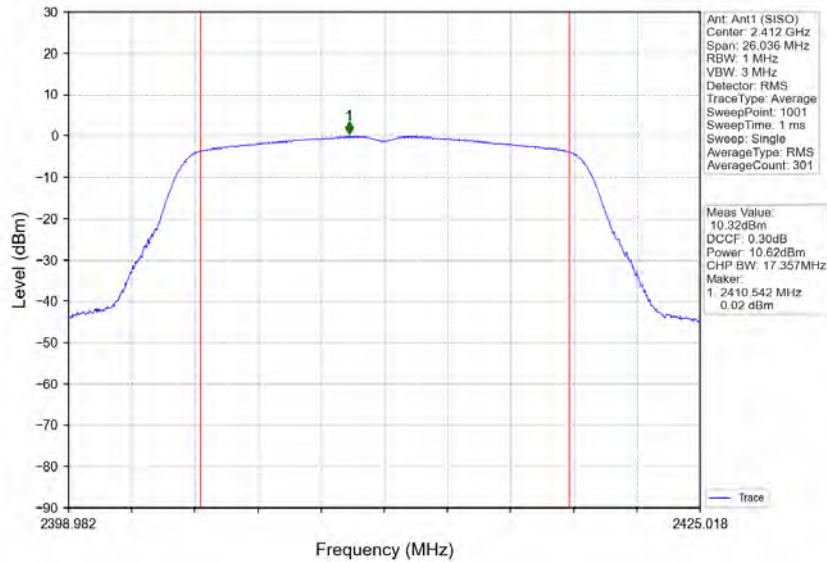
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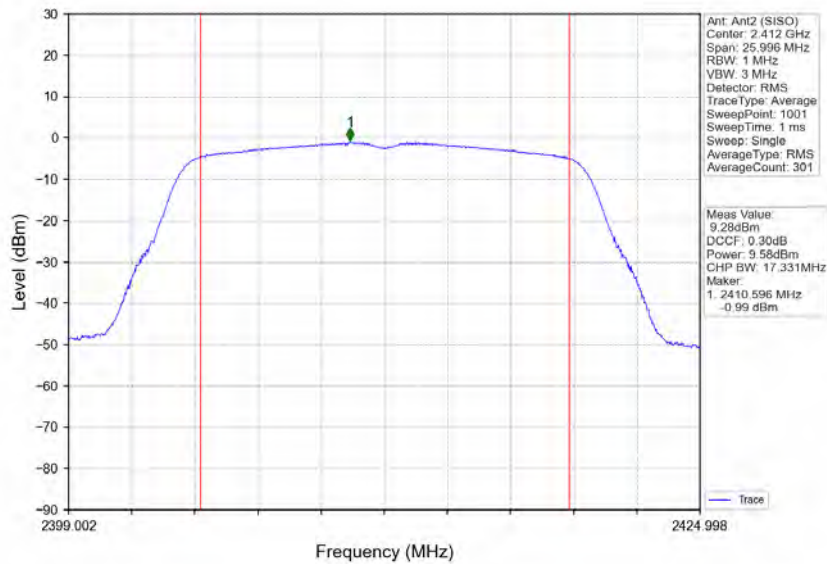
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



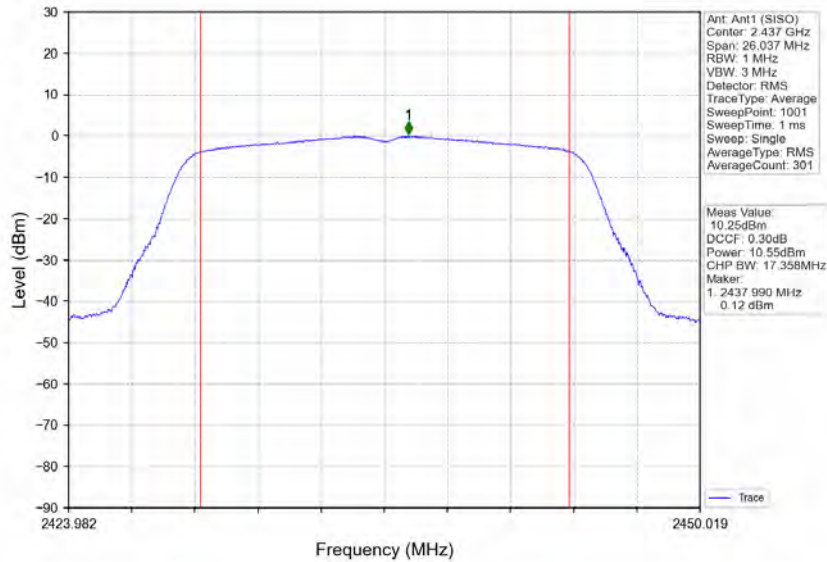
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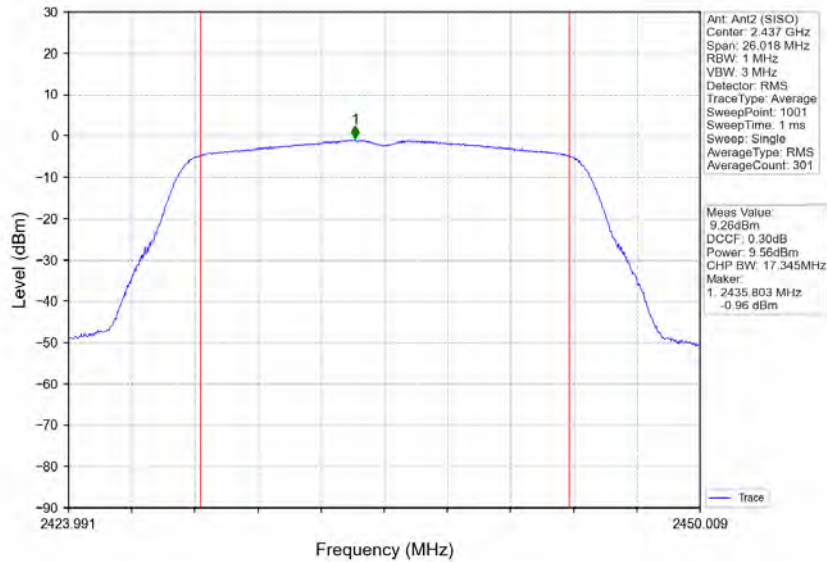
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



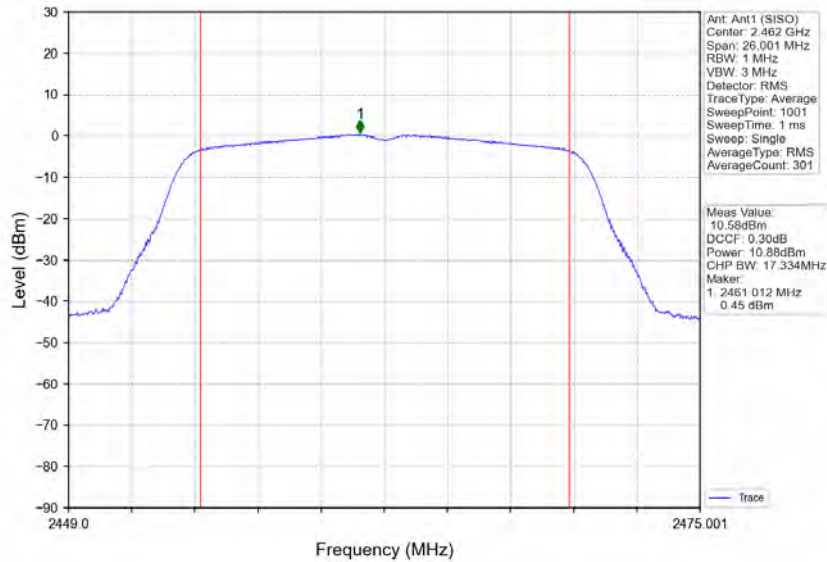
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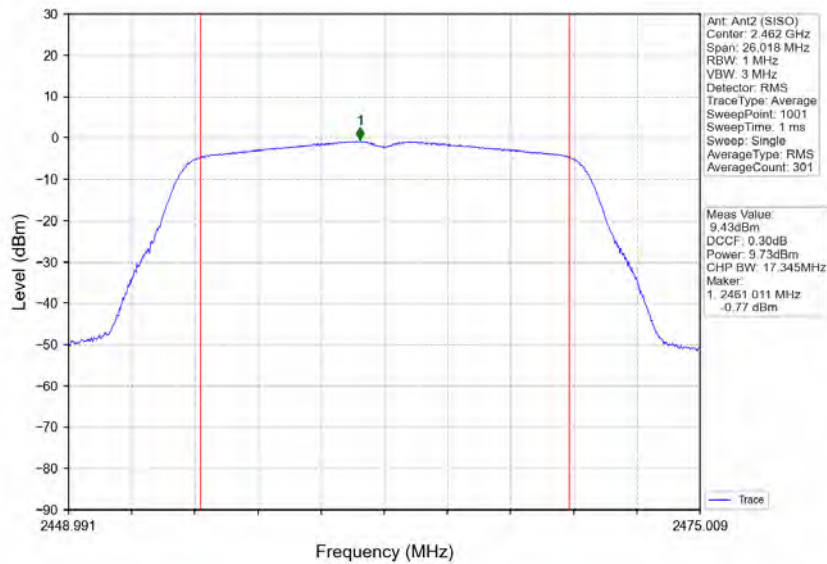
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802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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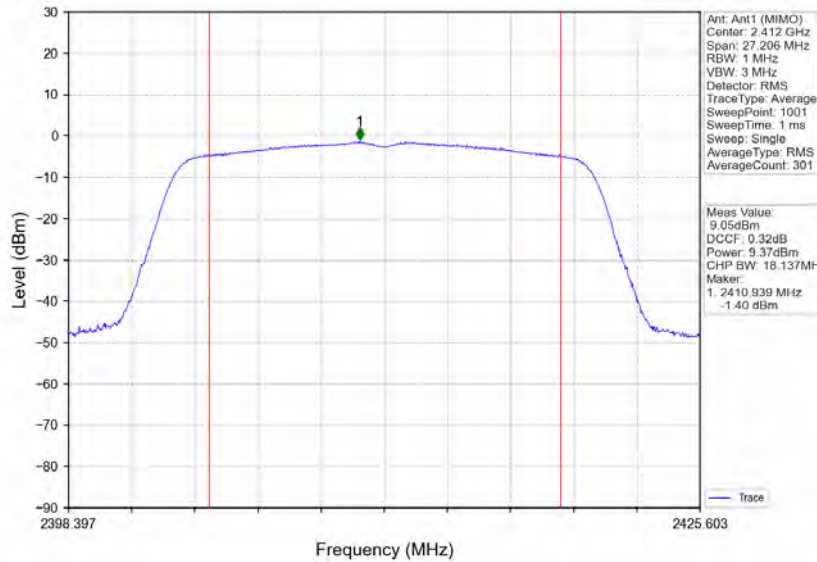
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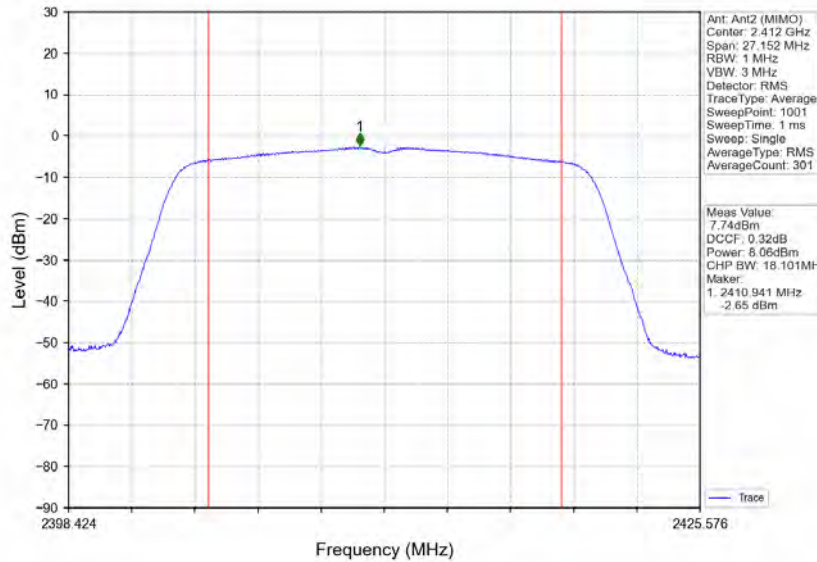
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



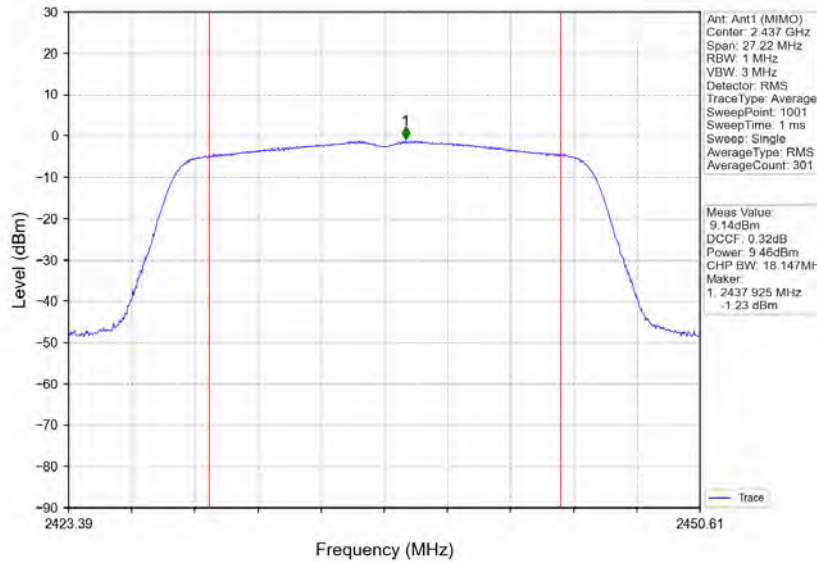
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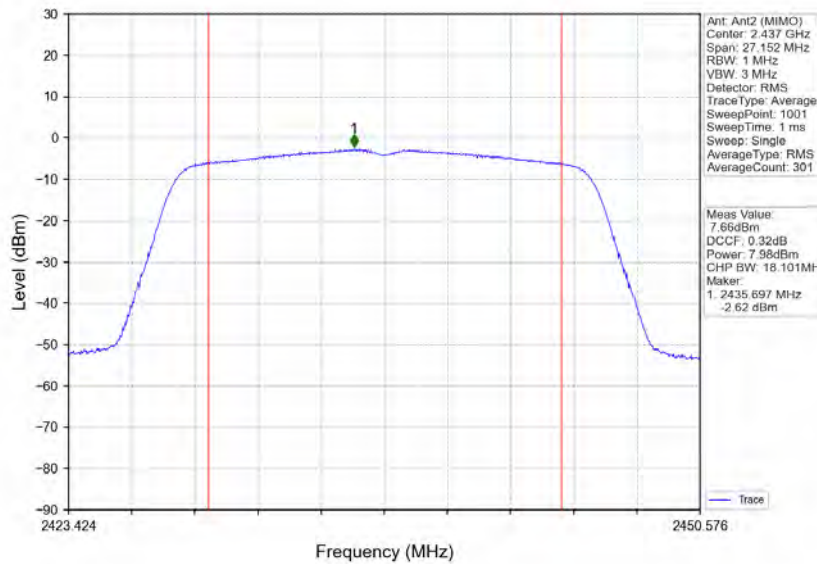
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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



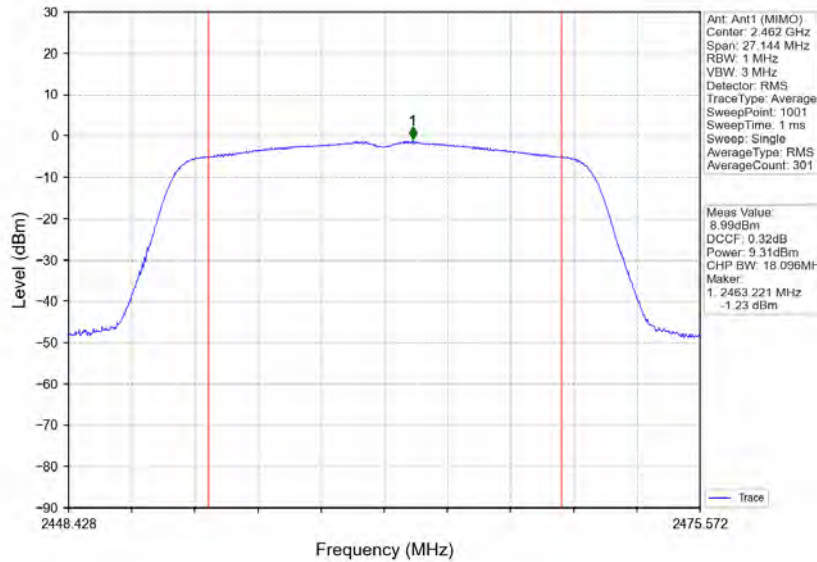
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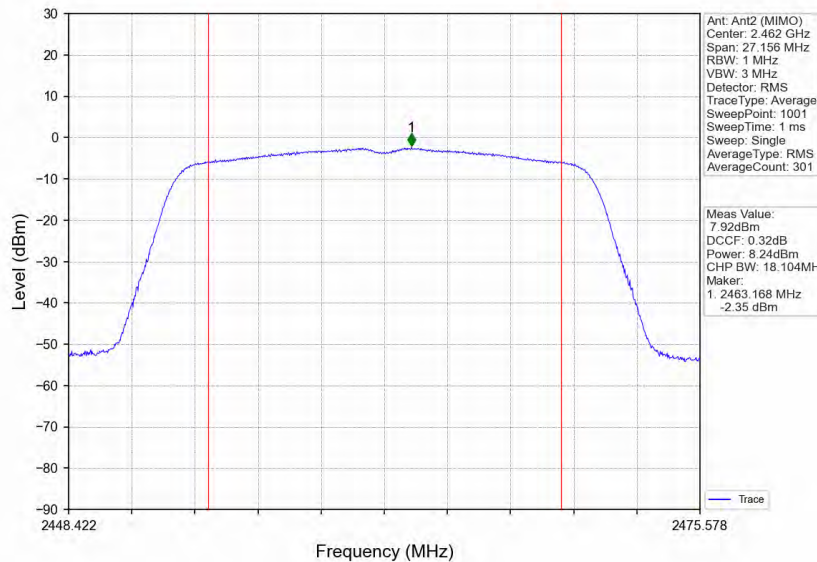
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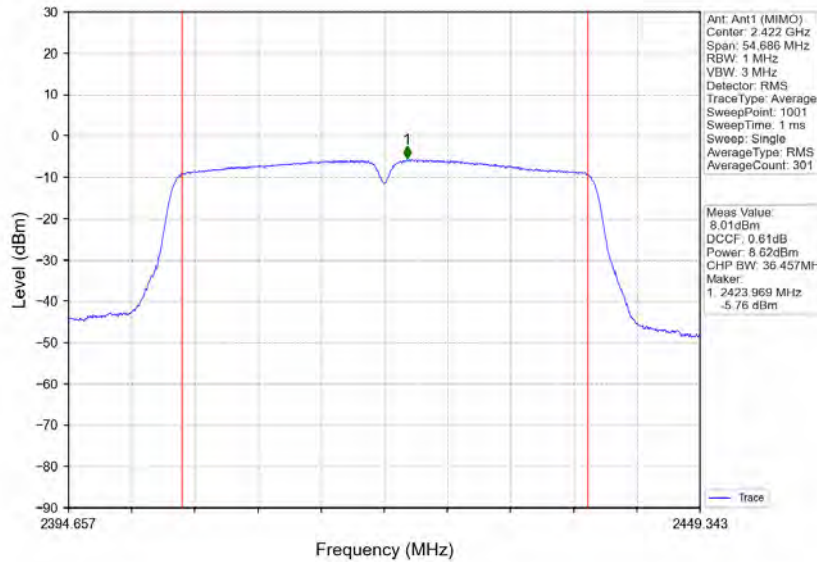
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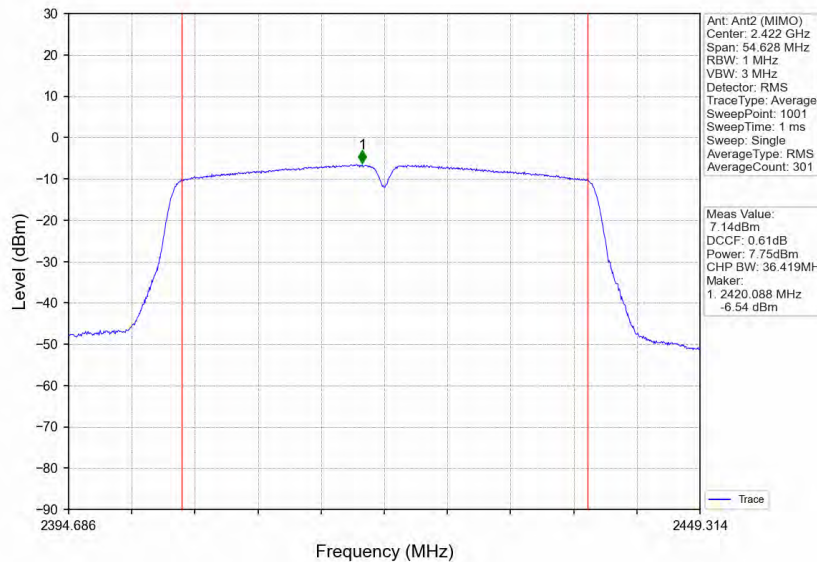
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802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



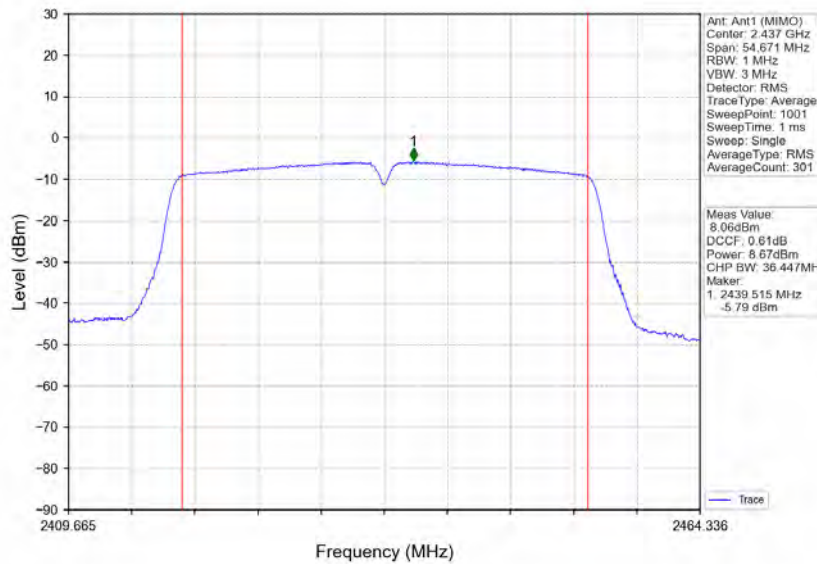
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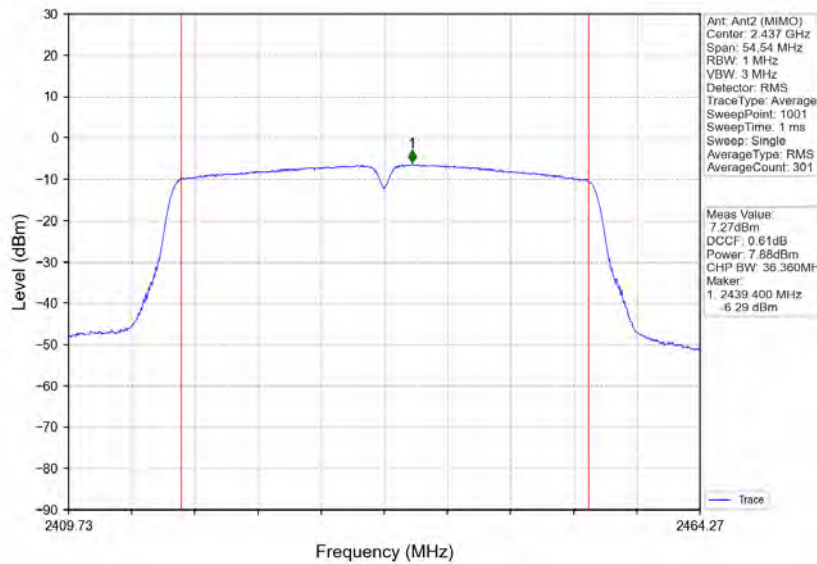
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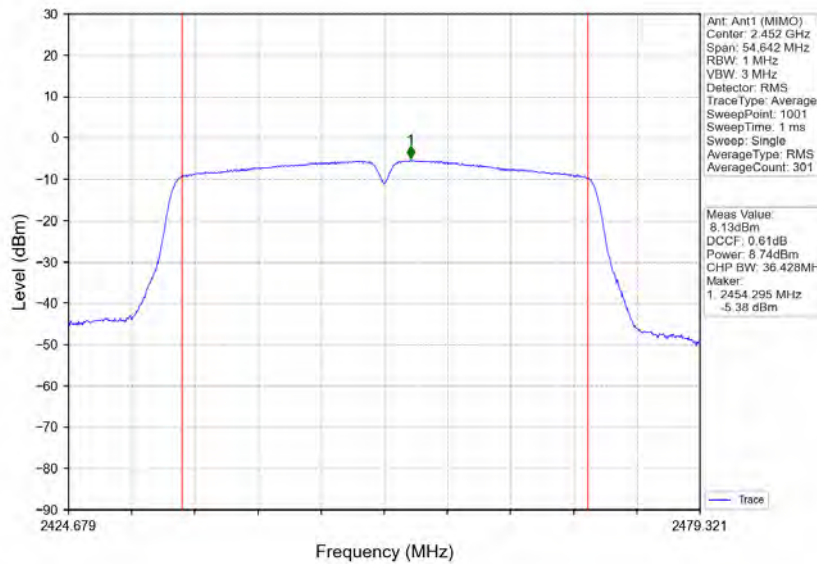
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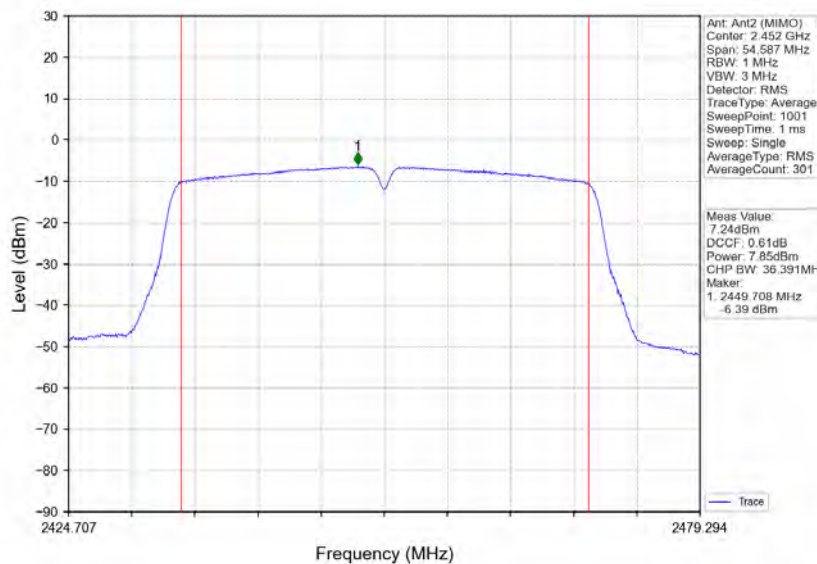
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802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



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## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |        |        |       | Verdict |
|----------------|---------|-----------------|------------------------|--------|--------|-------|---------|
|                |         |                 | Ant1                   | Ant2   | MIMO   | Limit |         |
| 802.11b        | SISO    | 2412            | -0.28                  | -0.30  | /      | <=8   | Pass    |
|                |         | 2437            | 0.61                   | 0.38   | /      | <=8   | Pass    |
|                |         | 2462            | 1.41                   | -0.18  | /      | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -16.48                 | -17.78 | /      | <=8   | Pass    |
|                |         | 2437            | -17.33                 | -16.45 | /      | <=8   | Pass    |
|                |         | 2462            | -16.68                 | -17.51 | /      | <=8   | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | -17.54                 | -18.63 | -15.54 | <=8   | Pass    |
|                |         | 2437            | -17.72                 | -19.69 | -15.95 | <=8   | Pass    |
|                |         | 2462            | -16.32                 | -19.32 | -14.88 | <=8   | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | -20.39                 | -21.90 | -18.29 | <=8   | Pass    |
|                |         | 2437            | -21.60                 | -21.60 | -18.59 | <=8   | Pass    |
|                |         | 2452            | -21.17                 | -20.64 | -18.69 | <=8   | Pass    |

Note1: Antenna Gain: Ant1: -3.82dBi; Ant2: 0.97dBi;  
 Note2: Directional Gain: 1.91dBi



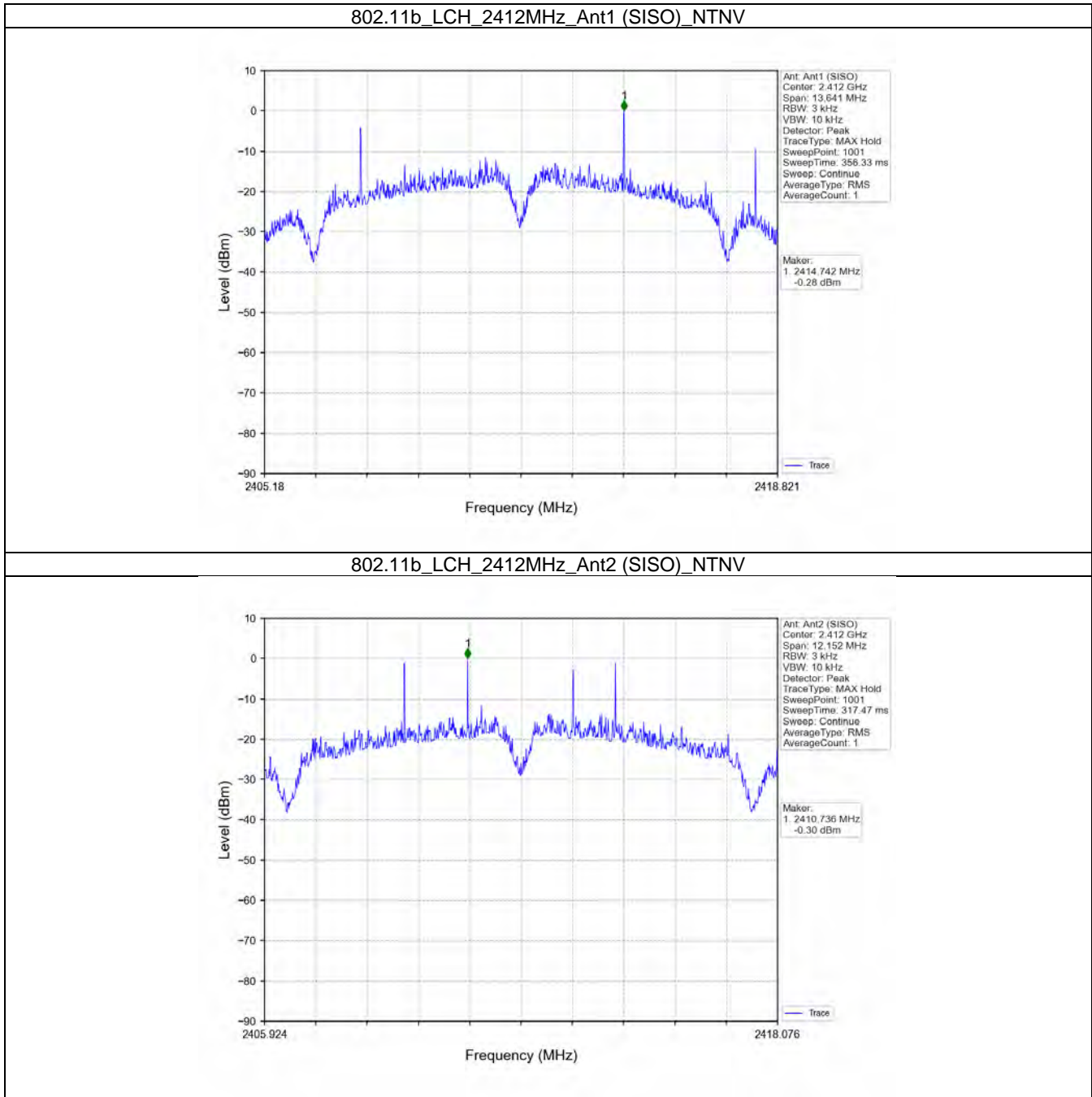
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4.1.2 Test Graph



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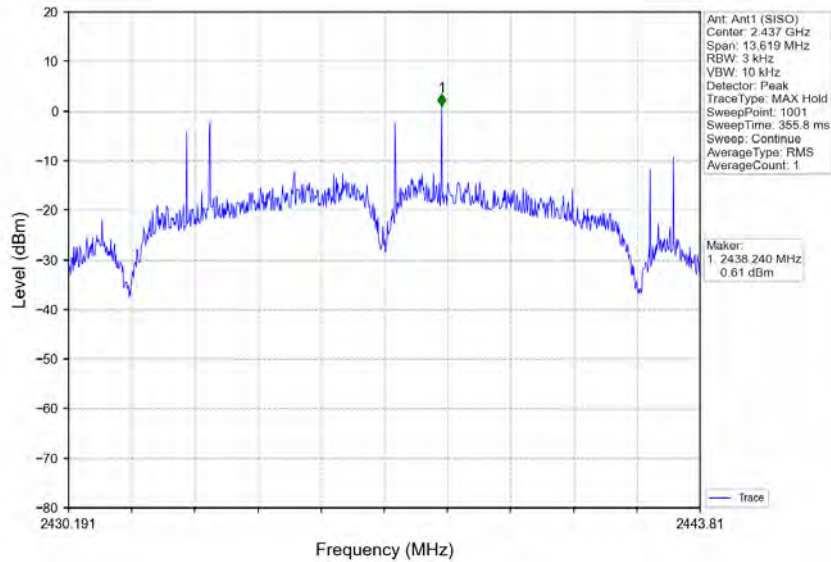
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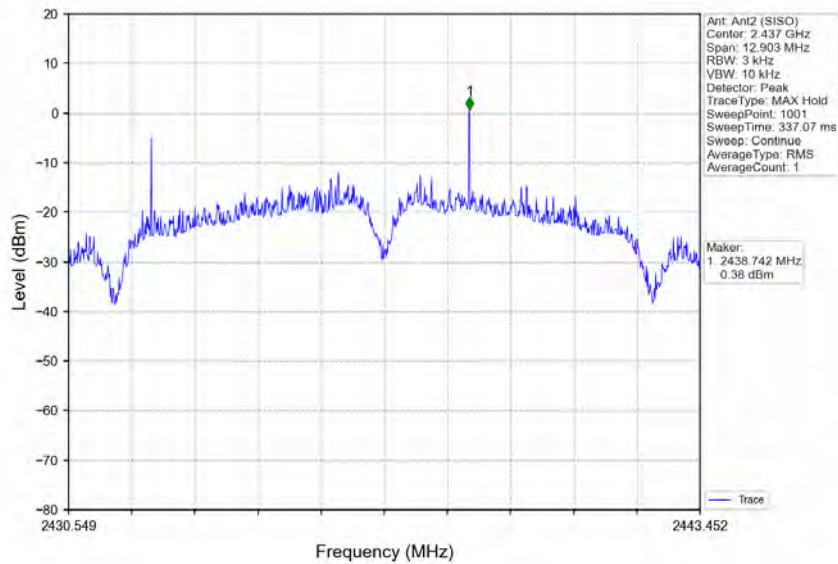
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802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



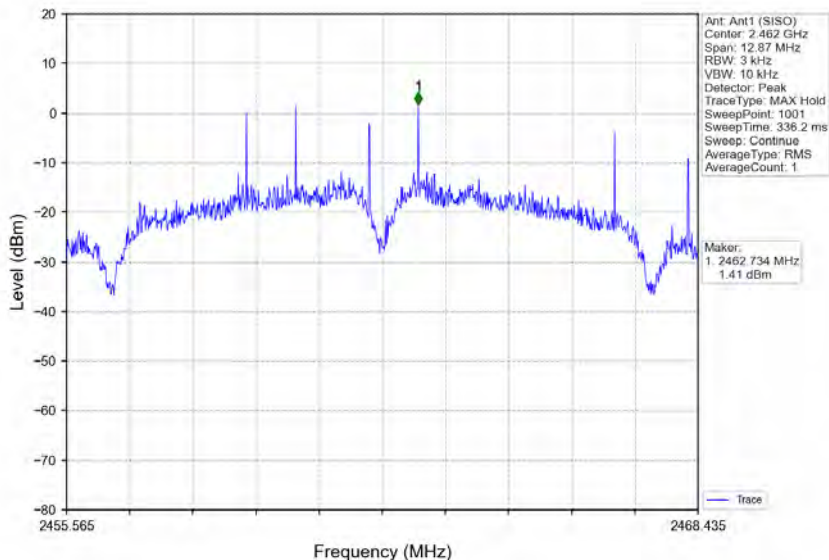
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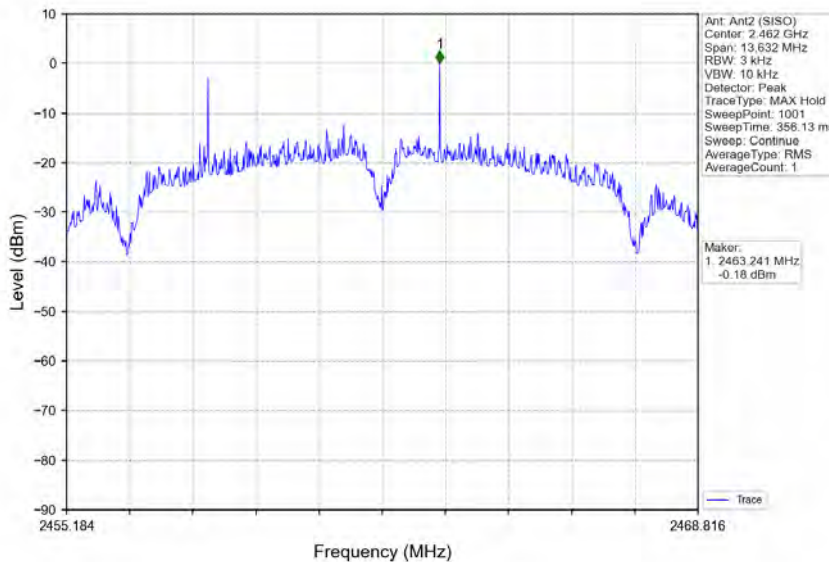
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802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

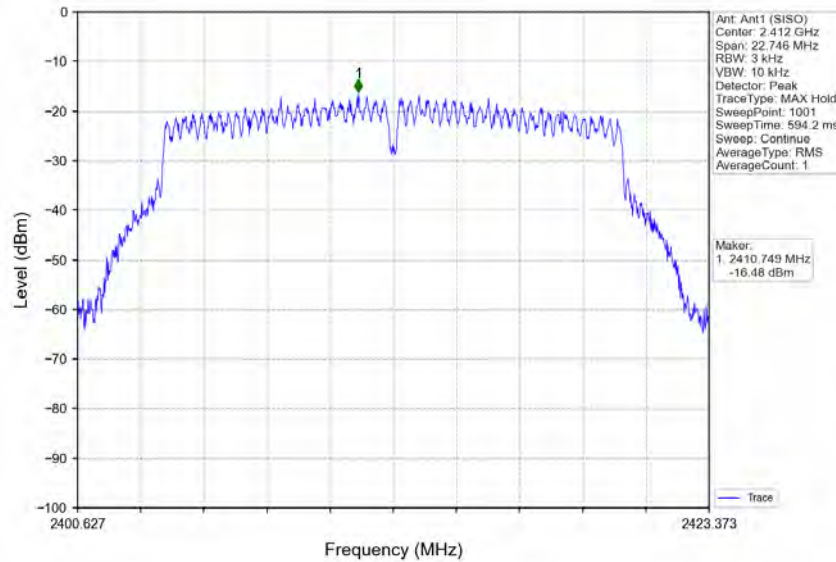


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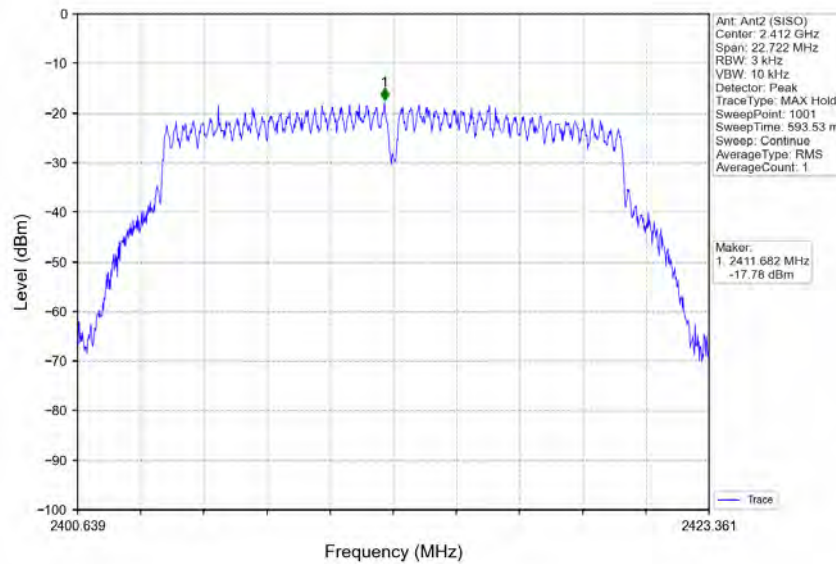
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



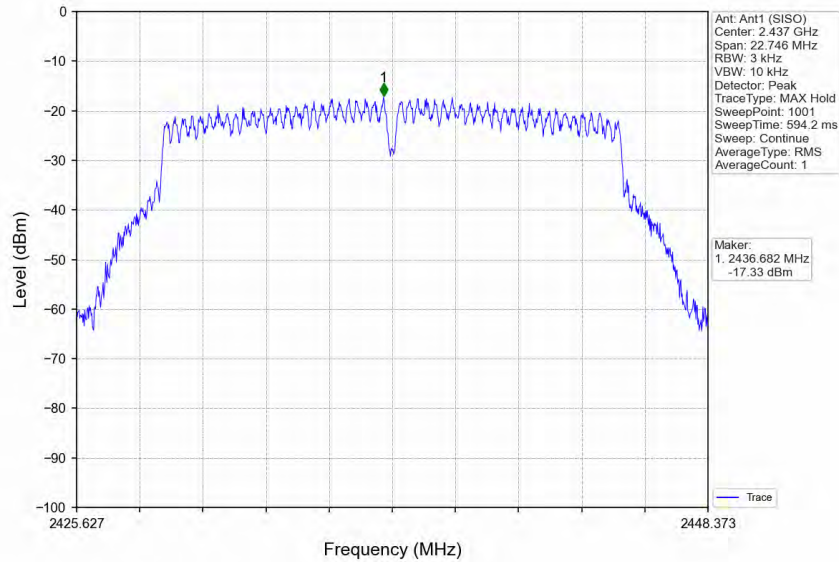
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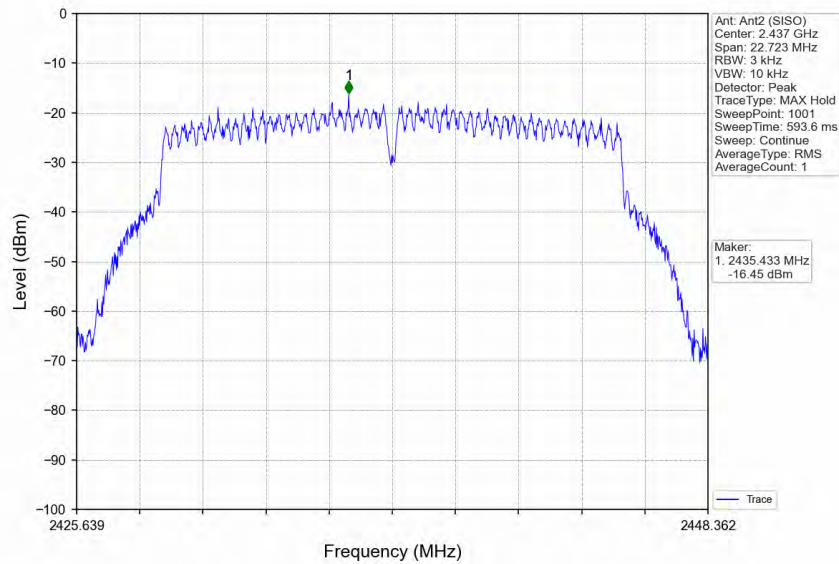
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802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



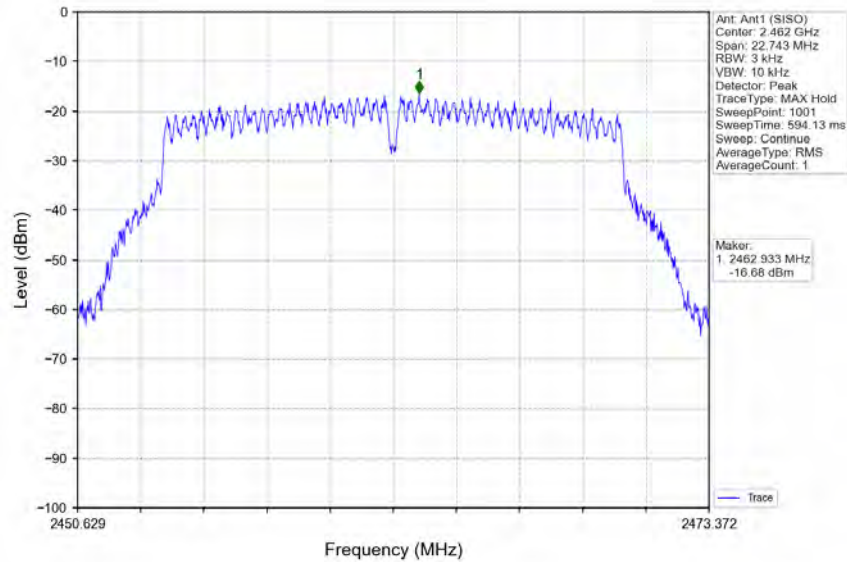
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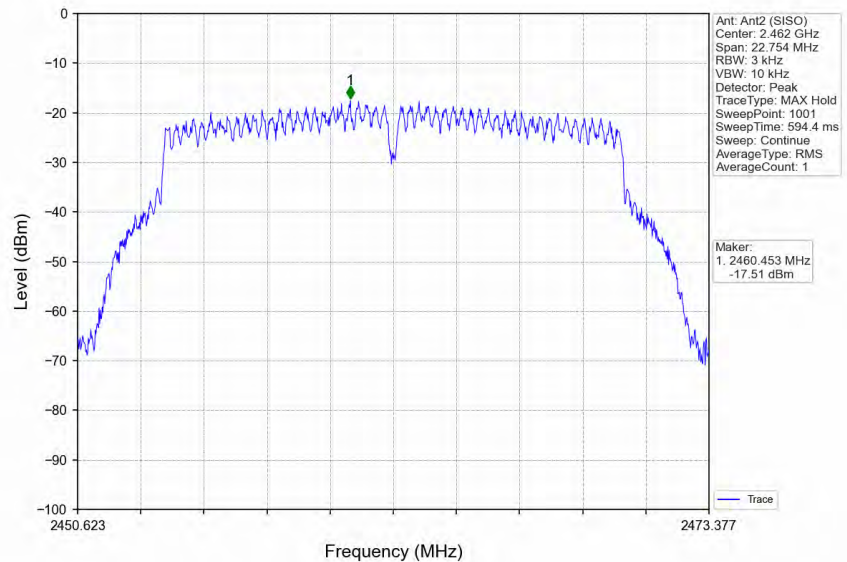
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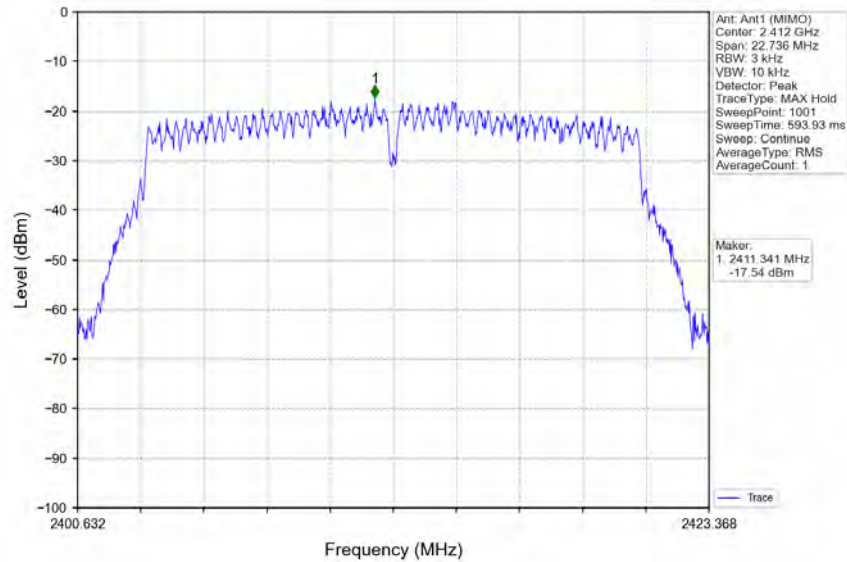
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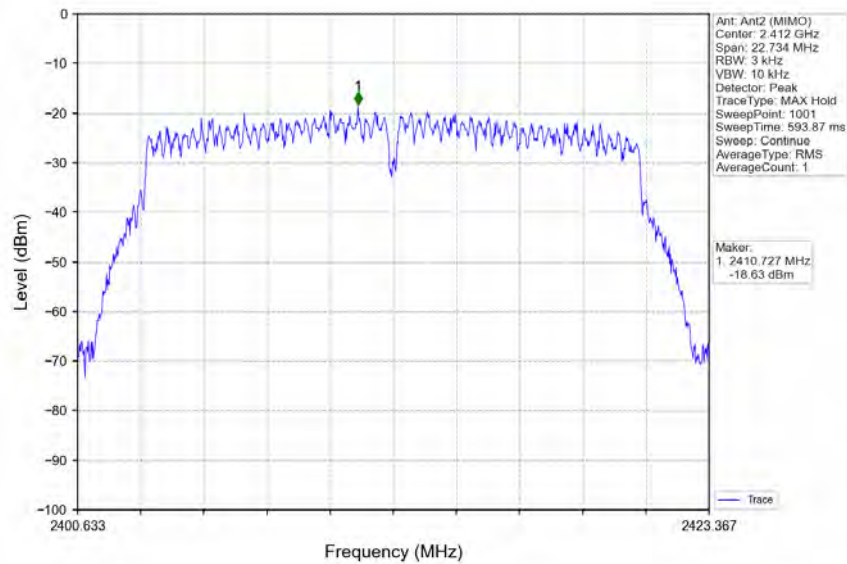
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



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



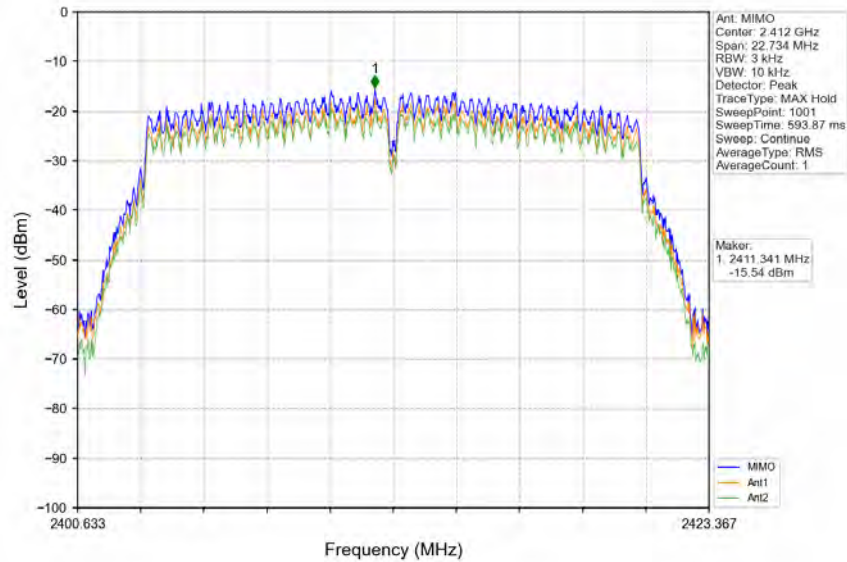
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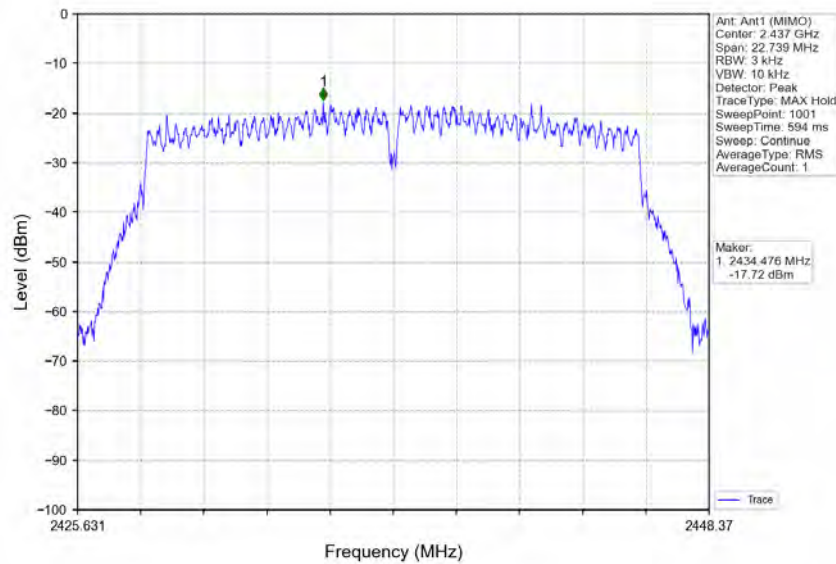
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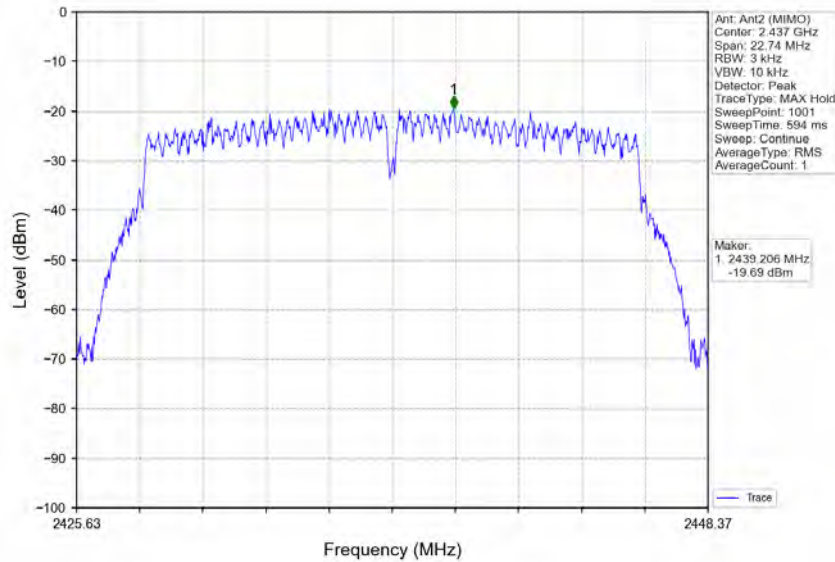
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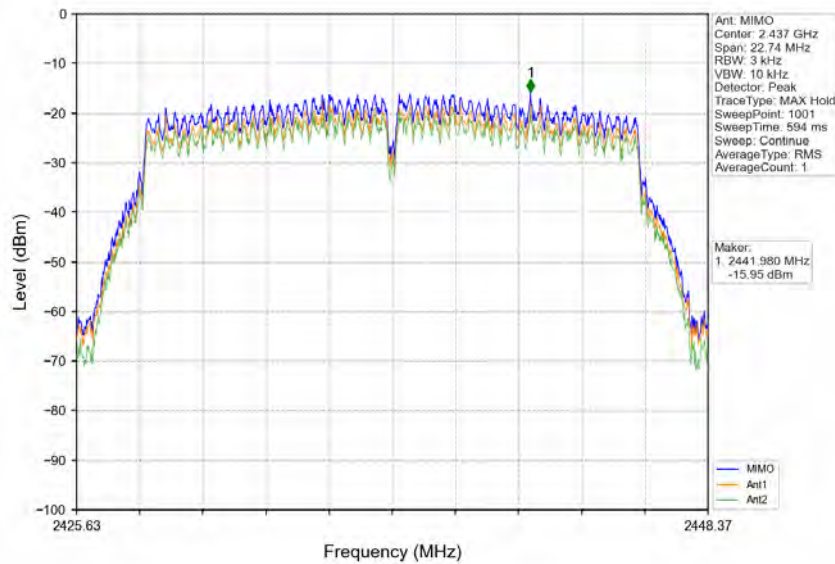
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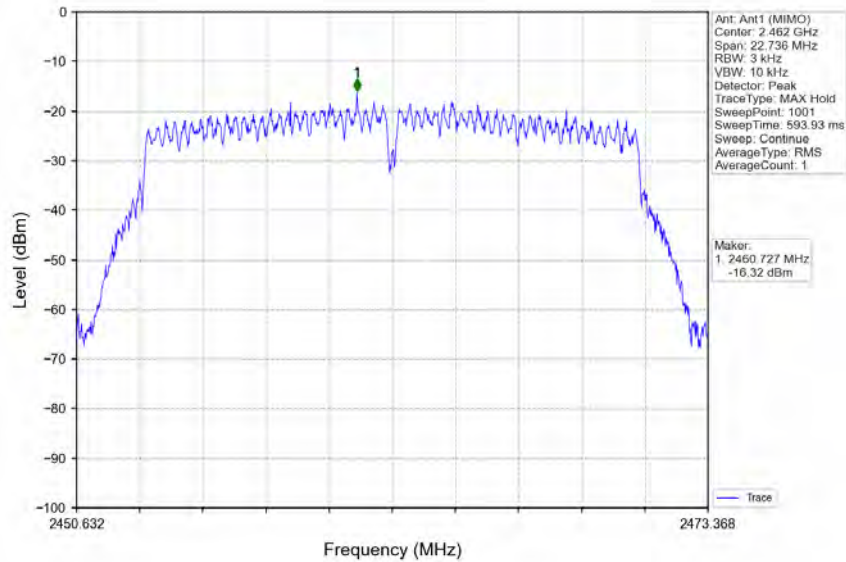
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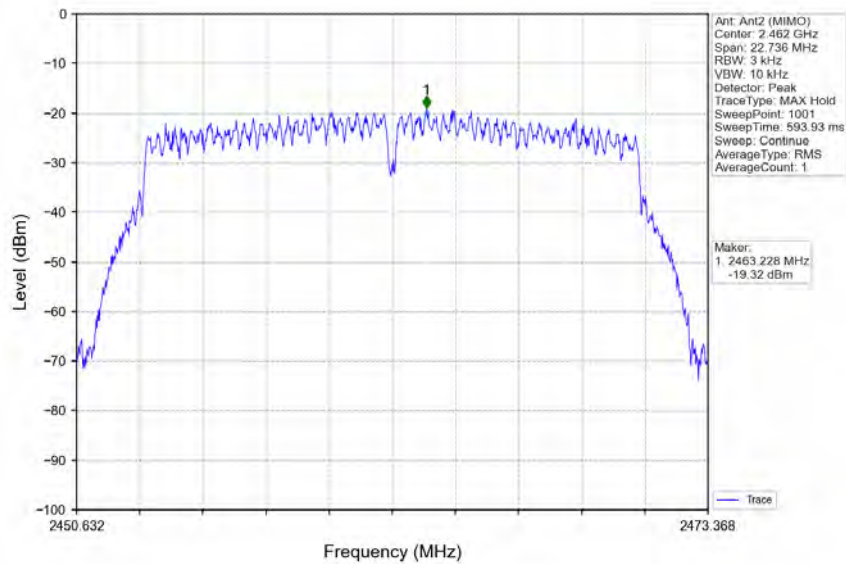
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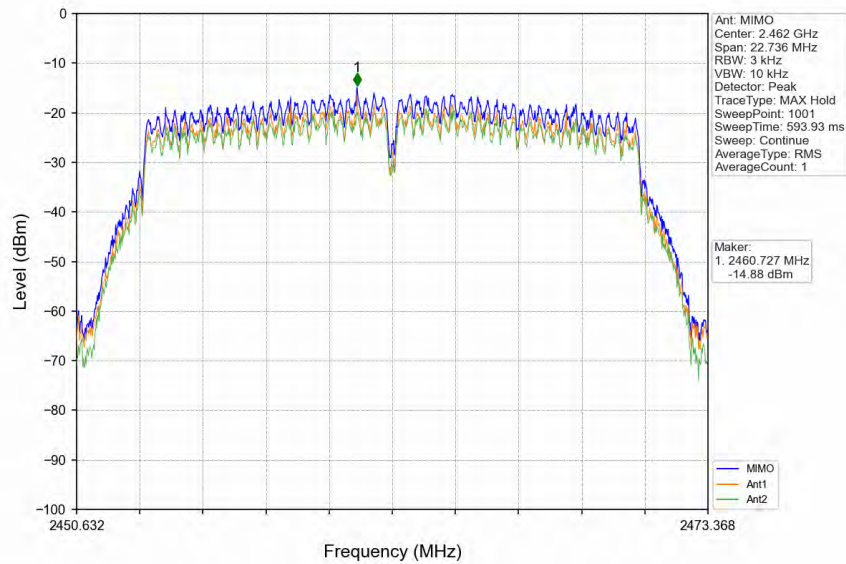
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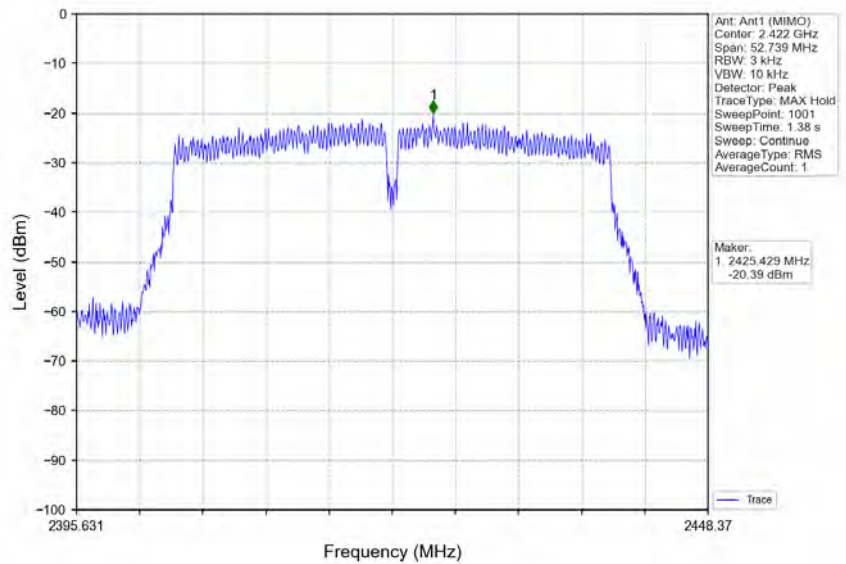
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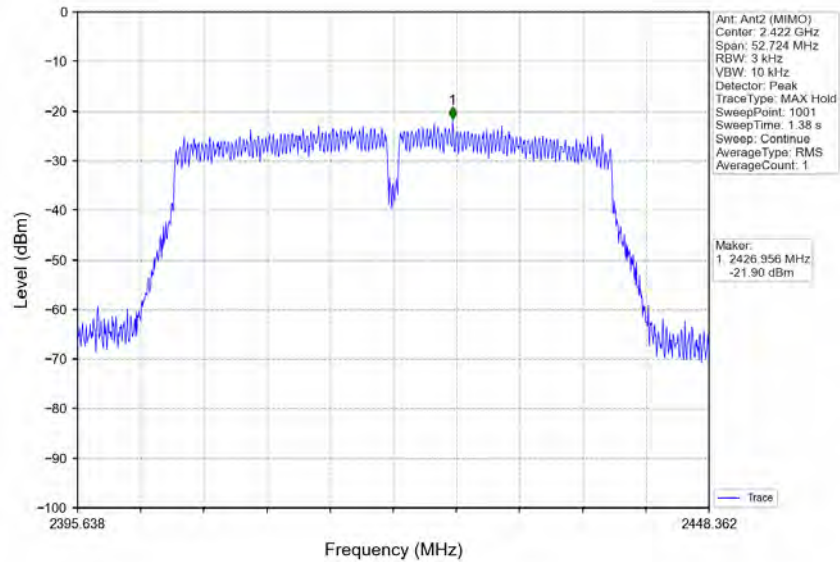
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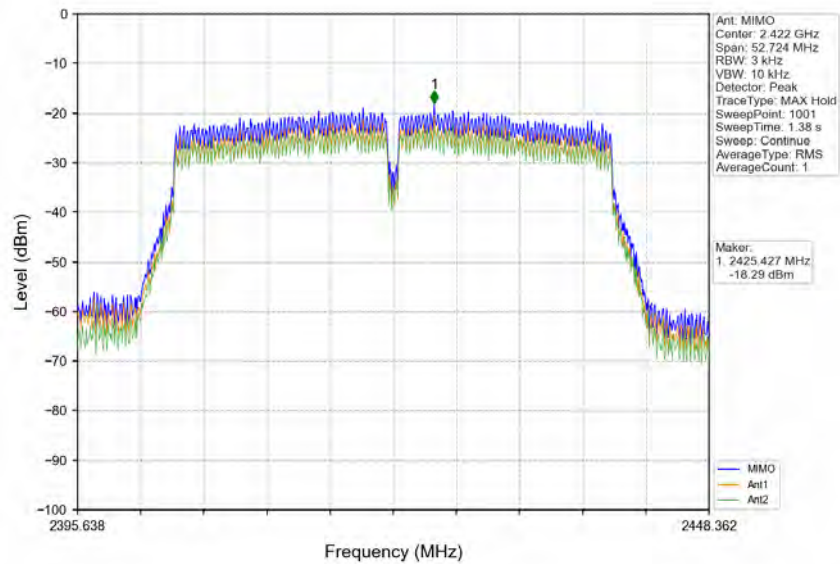
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802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



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



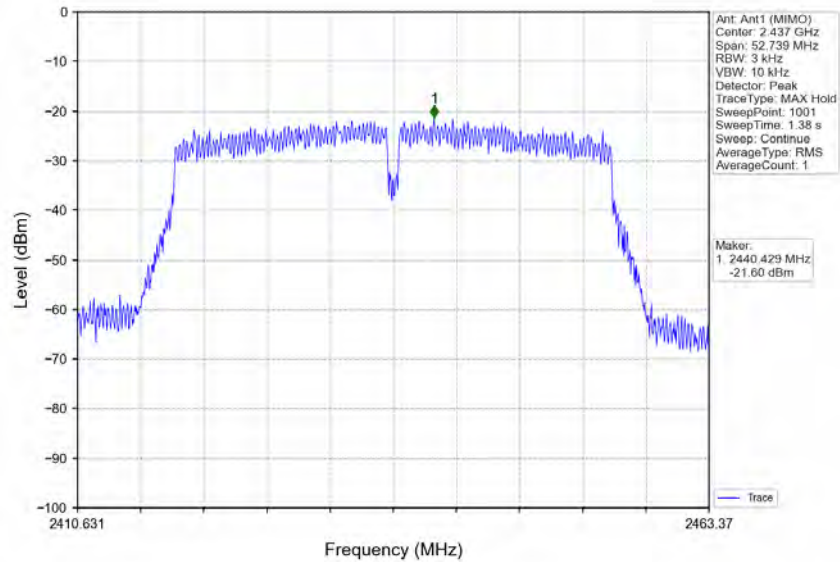
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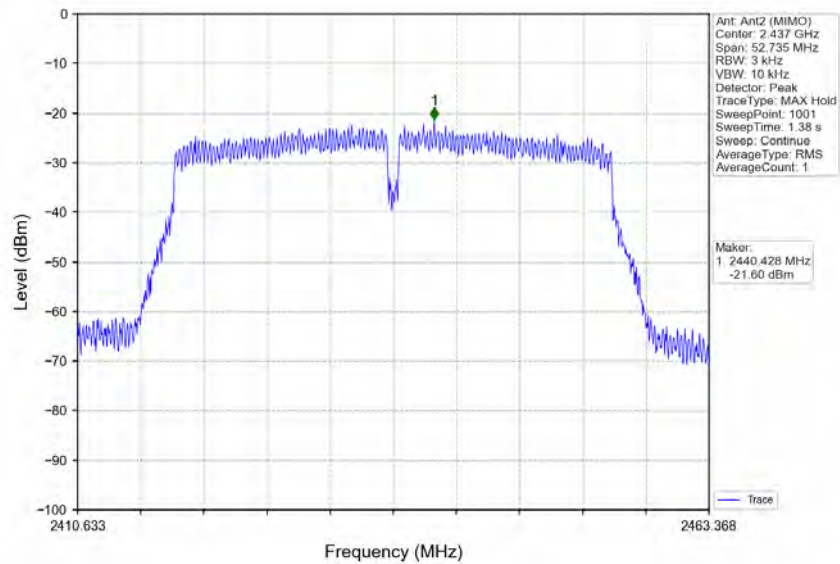
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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

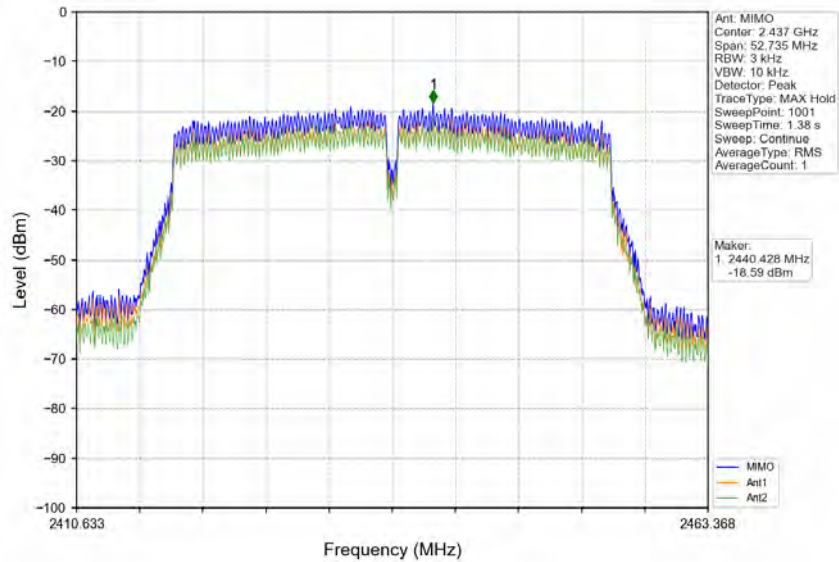


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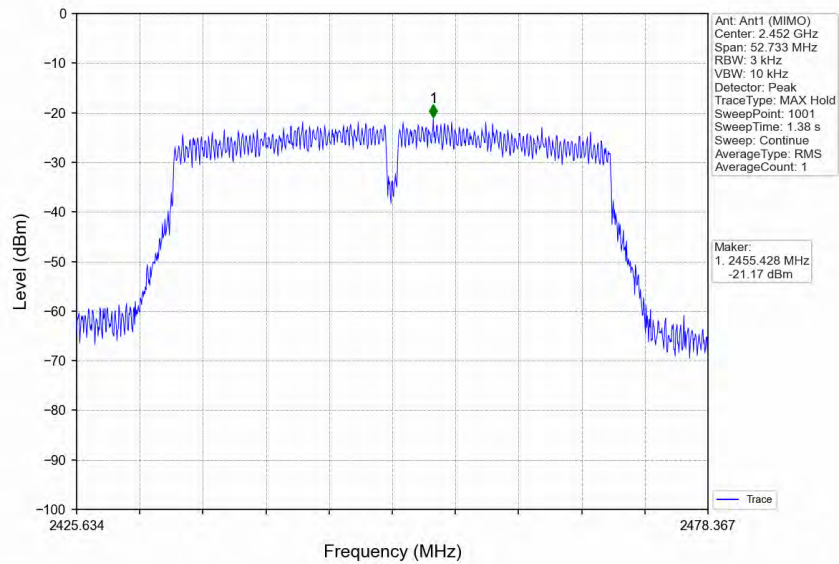
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802.11n(HT40)\_MCH\_2437MHz\_MIMO\_NTNV



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



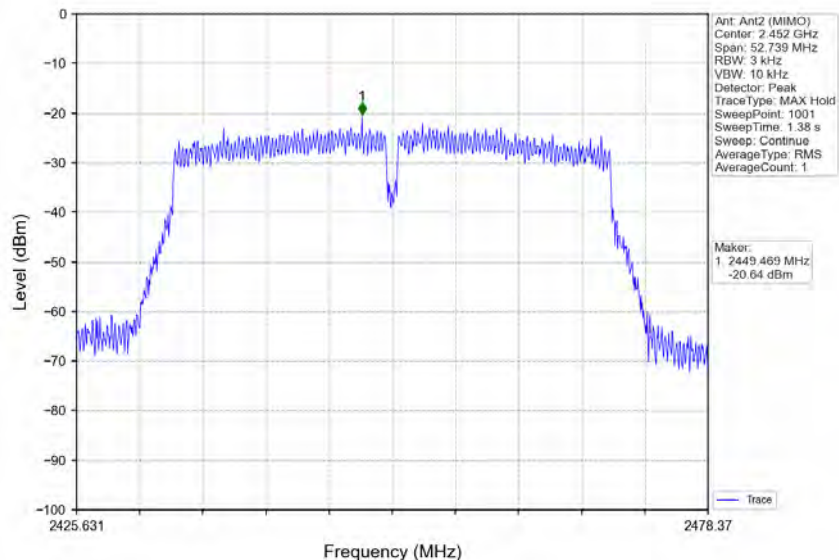
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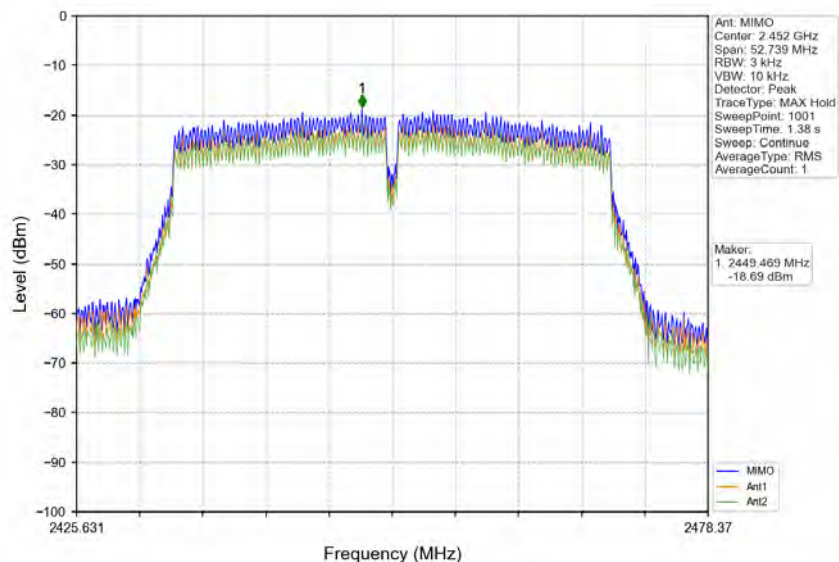
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802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_MIMO\_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   | 2.72                     |
|                |         |                 | 2   | 1.97                     |
|                |         | 2437            | 1   | 2.83                     |
|                |         |                 | 2   | 2.00                     |
|                |         | 2462            | 1   | 3.04                     |
|                |         |                 | 2   | 3.45                     |
| 802.11g        | SISO    | 2412            | 1   | -0.26                    |
|                |         |                 | 2   | -1.16                    |
|                |         | 2437            | 1   | 0.00                     |
|                |         |                 | 2   | -1.16                    |
|                |         | 2462            | 1   | 0.38                     |
|                |         |                 | 2   | -0.74                    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | -1.12                    |
|                |         |                 | 2   | -2.04                    |
|                |         | 2437            | 1   | -0.88                    |
|                |         |                 | 2   | -2.32                    |
|                |         | 2462            | 1   | -1.04                    |
|                |         |                 | 2   | -2.02                    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | -4.69                    |
|                |         |                 | 2   | -5.40                    |
|                |         | 2437            | 1   | -4.70                    |
|                |         |                 | 2   | -5.46                    |
|                |         | 2452            | 1   | -4.60                    |
|                |         |                 | 2   | -5.51                    |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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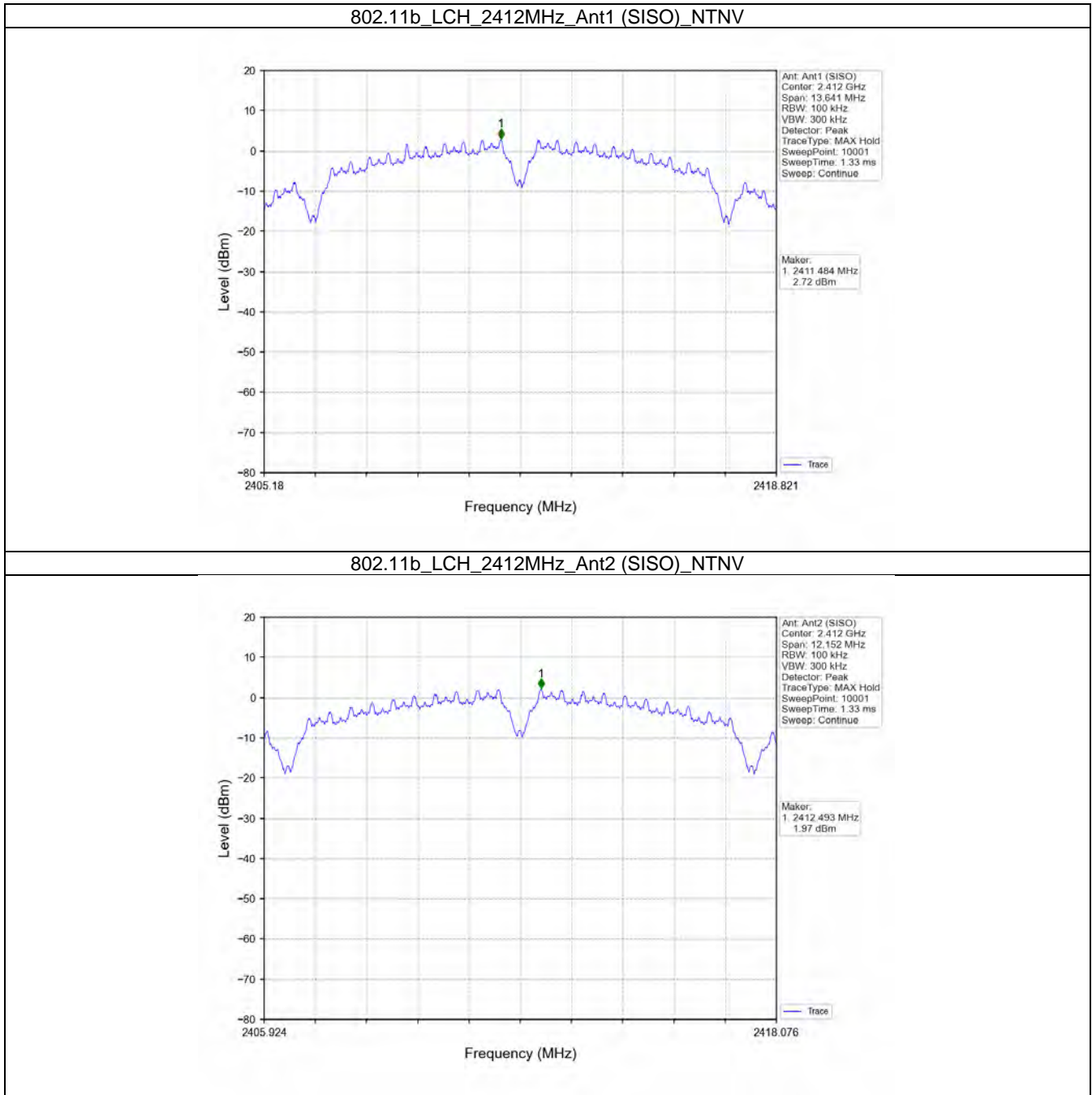
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5.1.2 Test Graph



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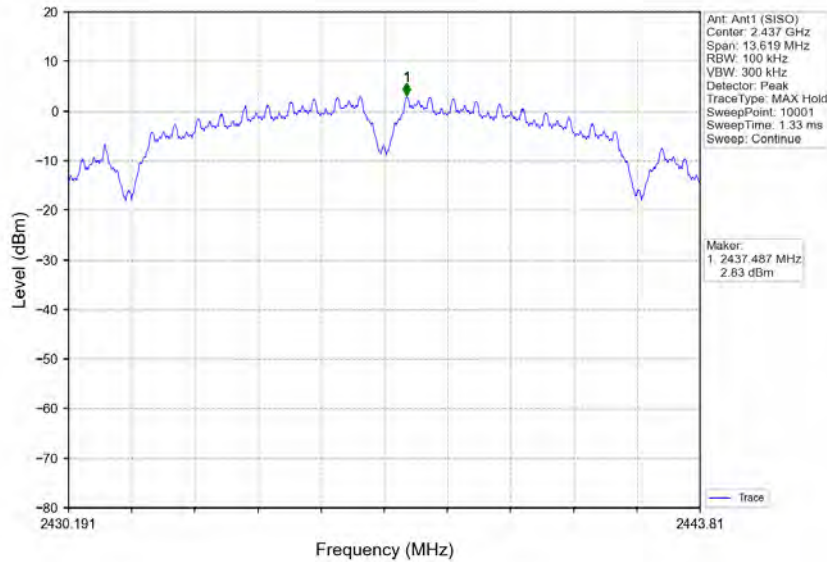
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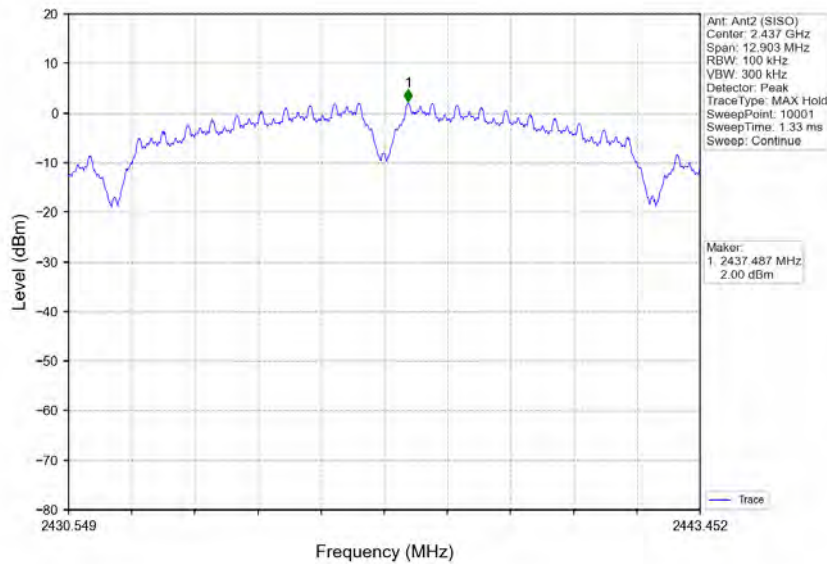
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802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



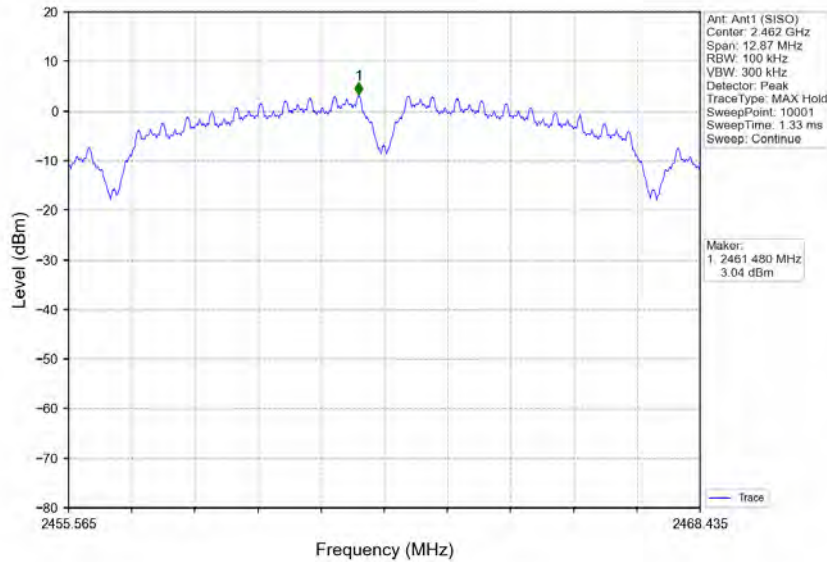
802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



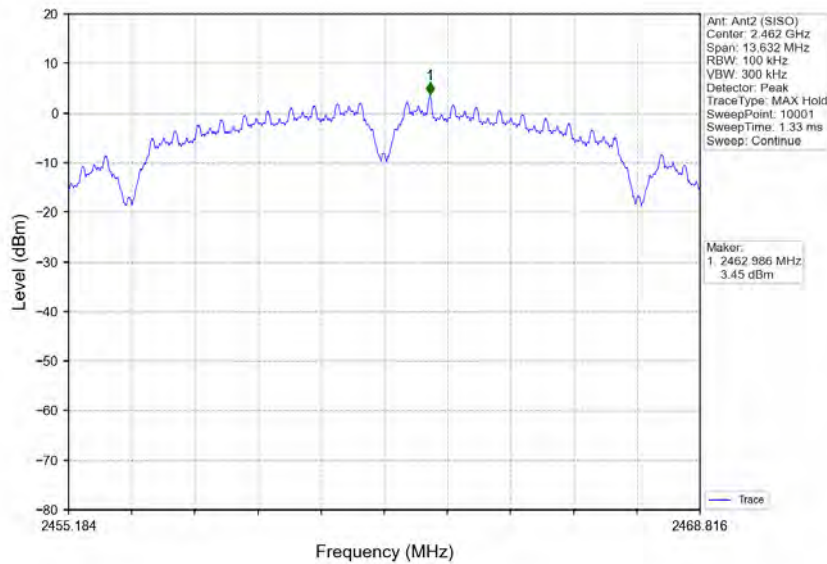
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



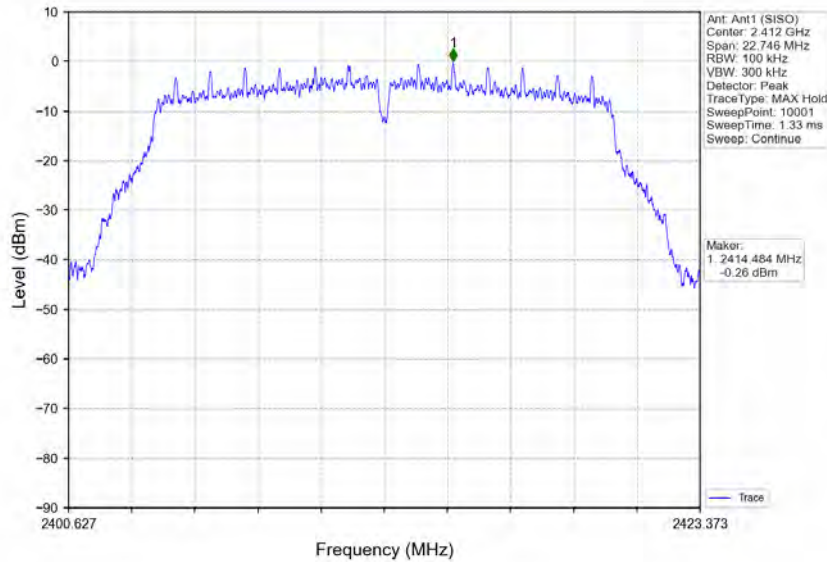
802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



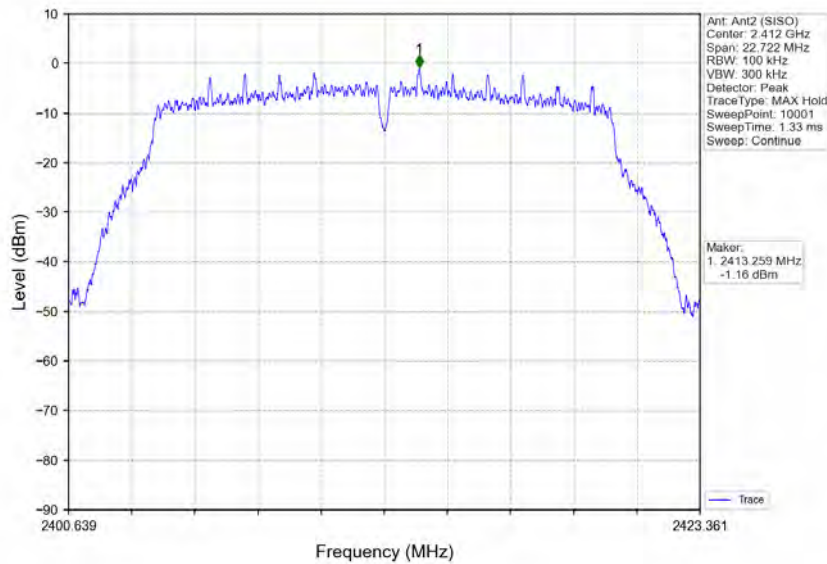
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



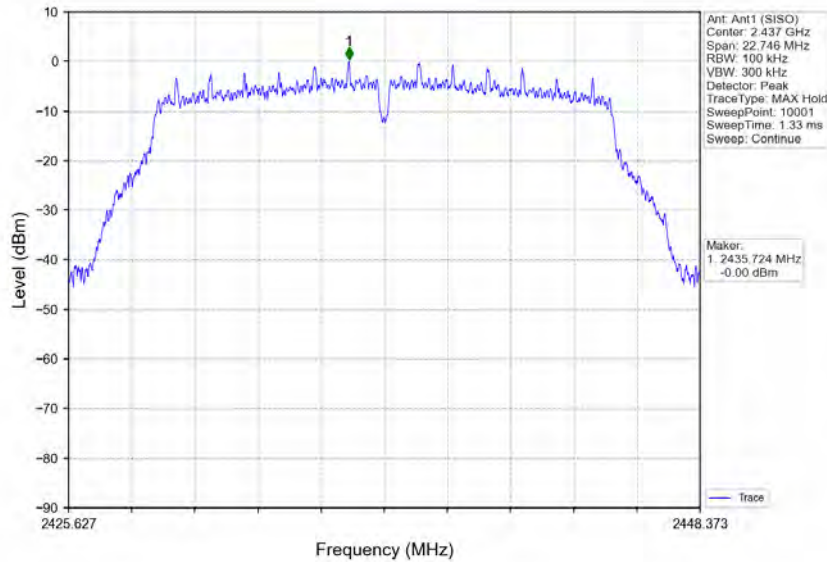
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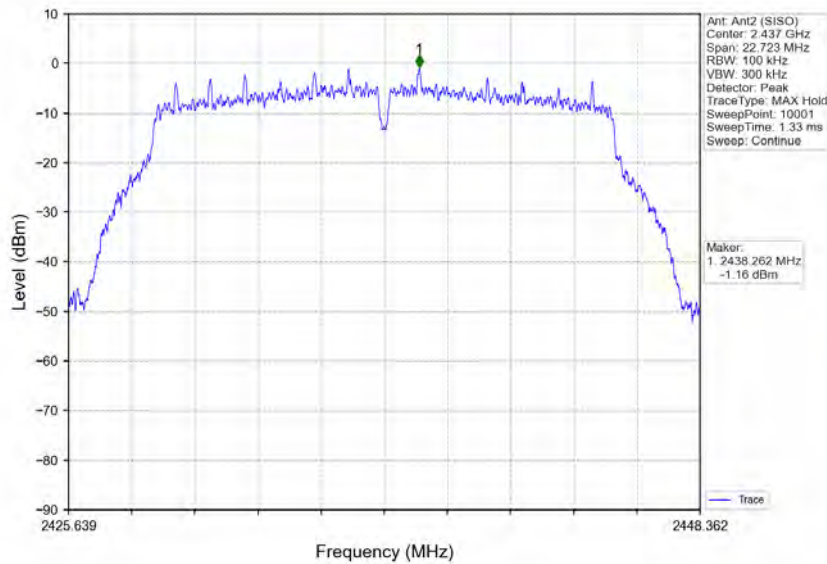
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



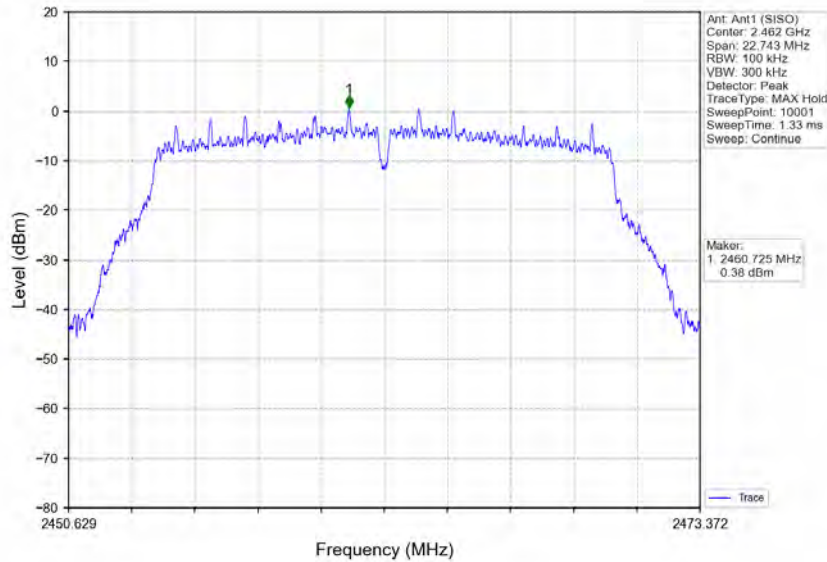
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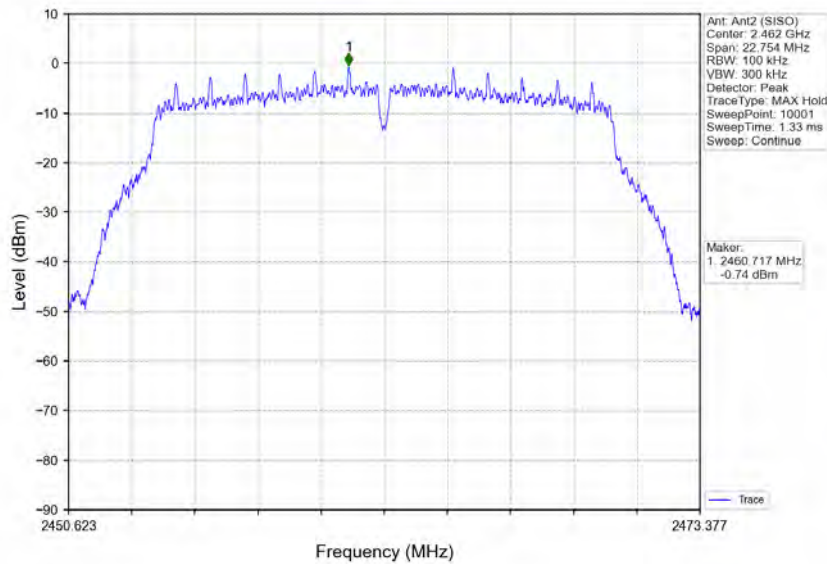
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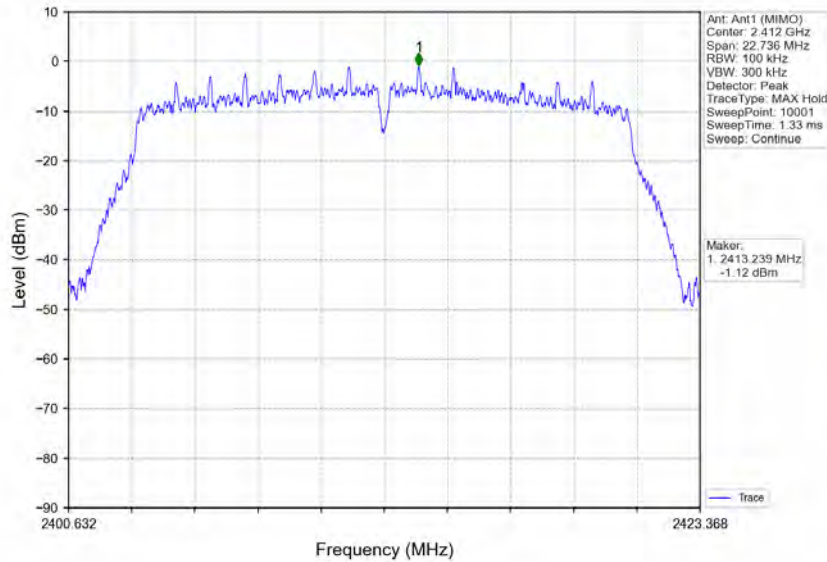


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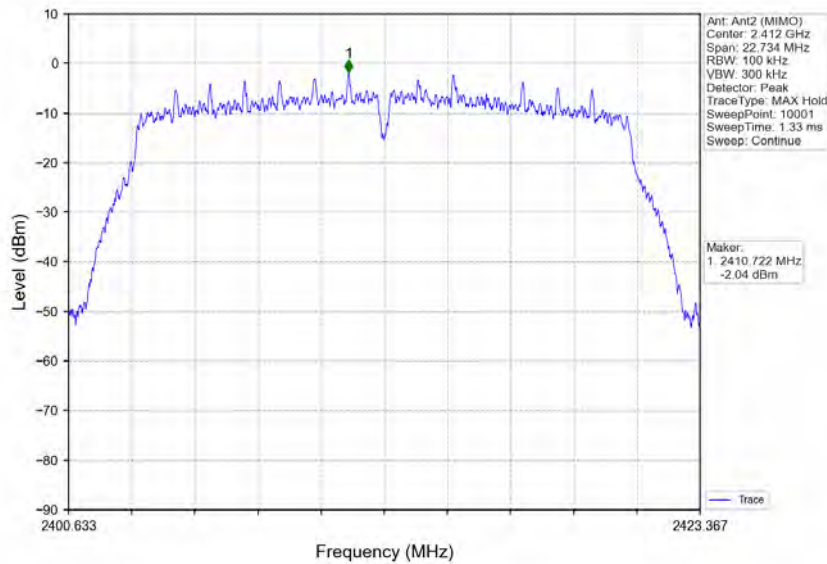
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802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



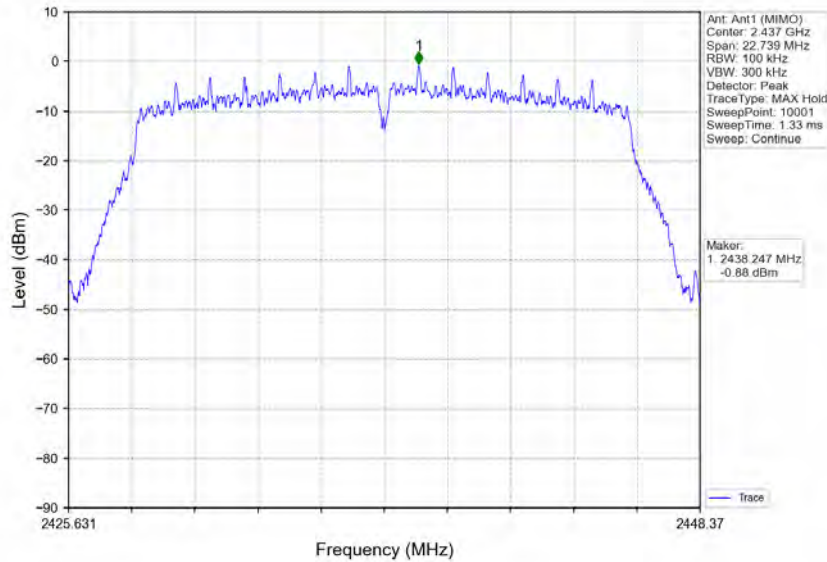
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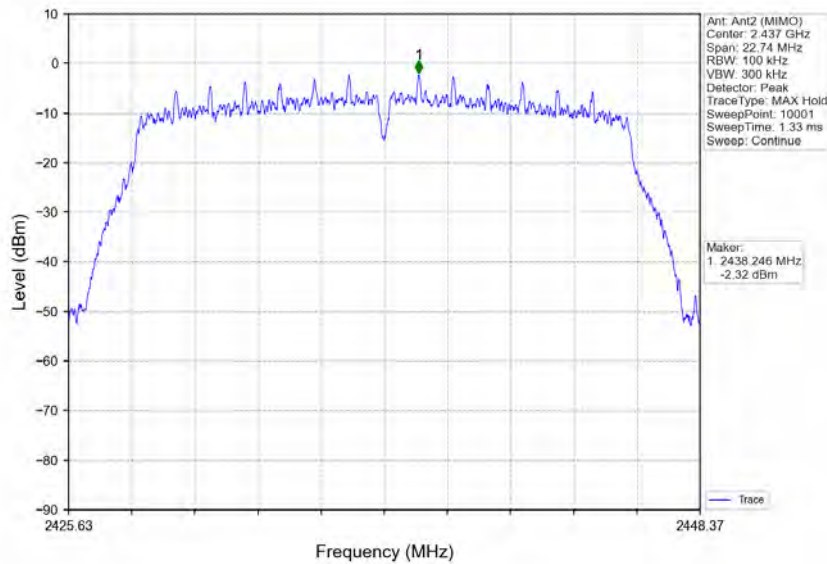
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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



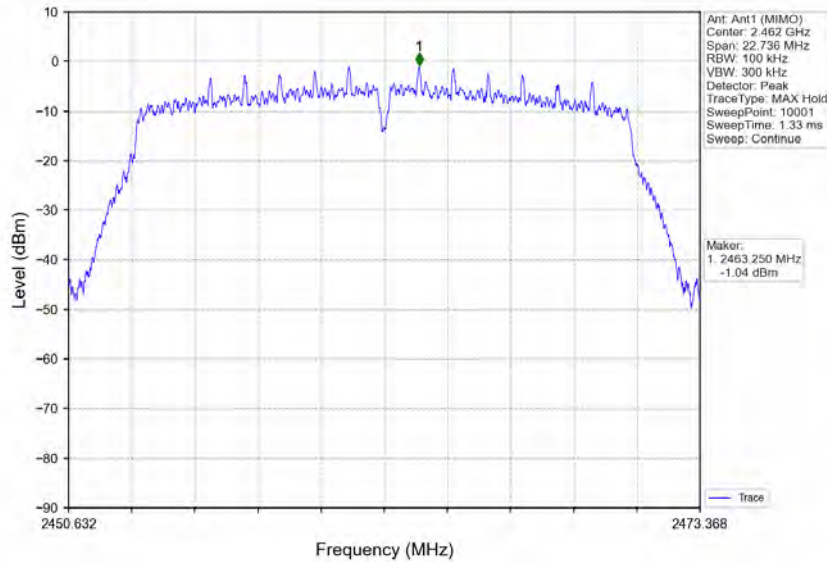
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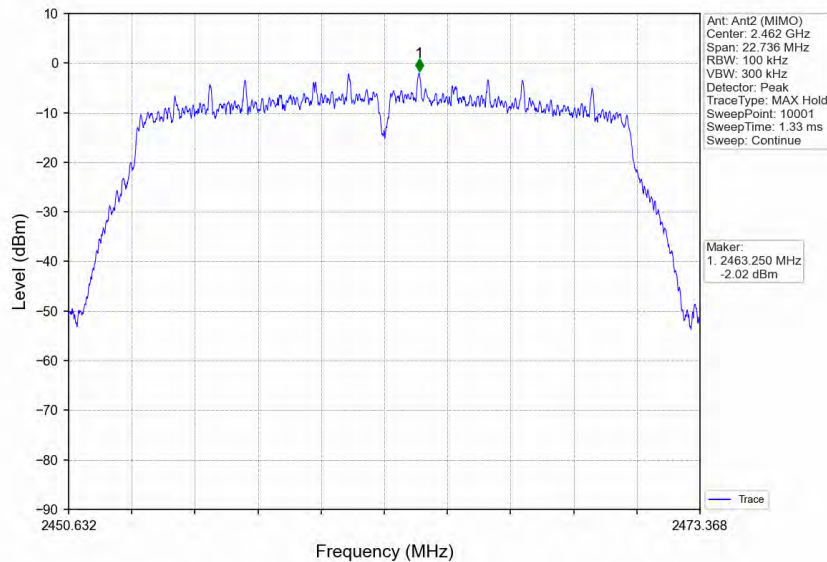
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



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



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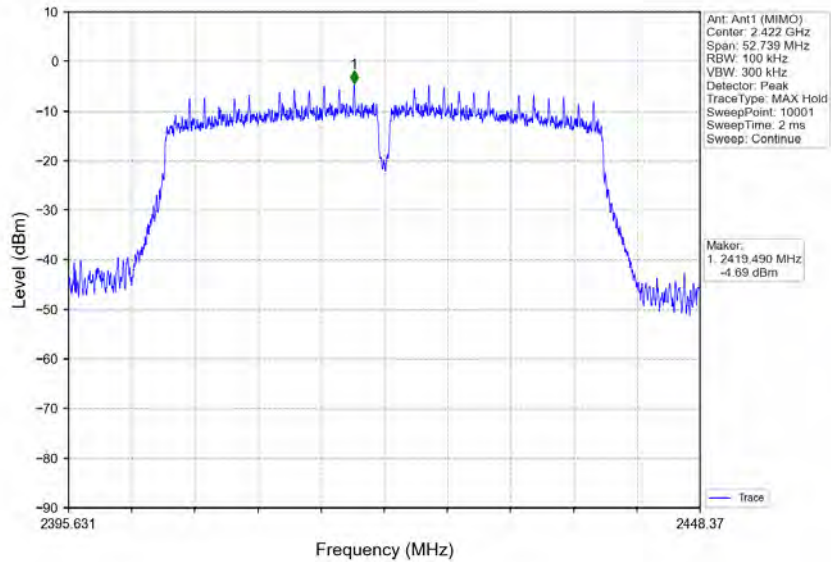
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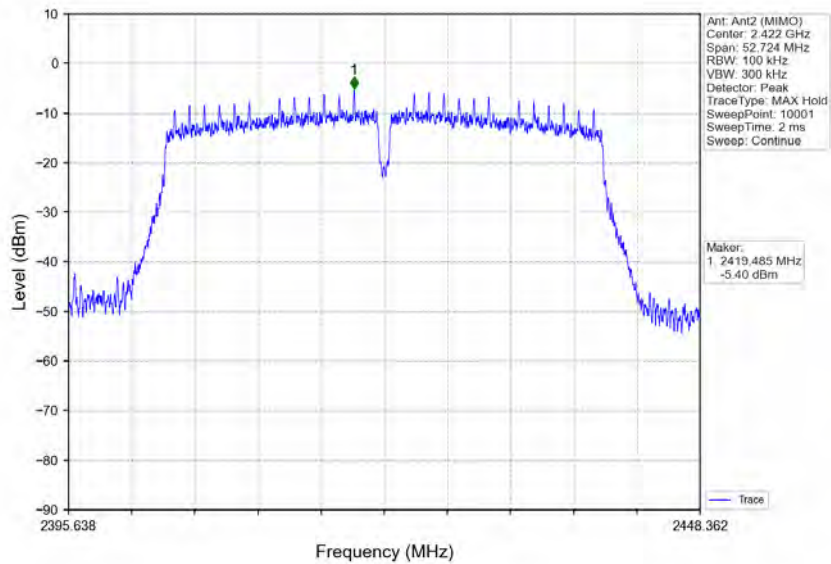
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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



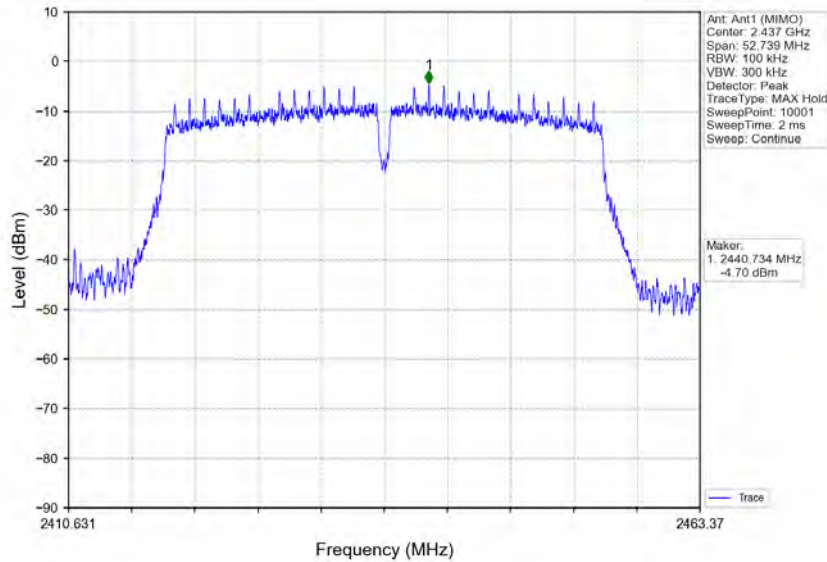
802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



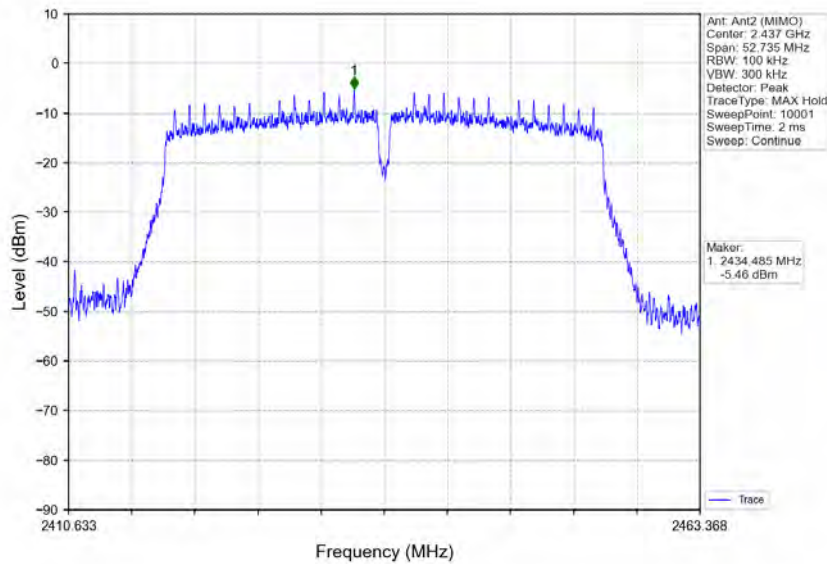
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



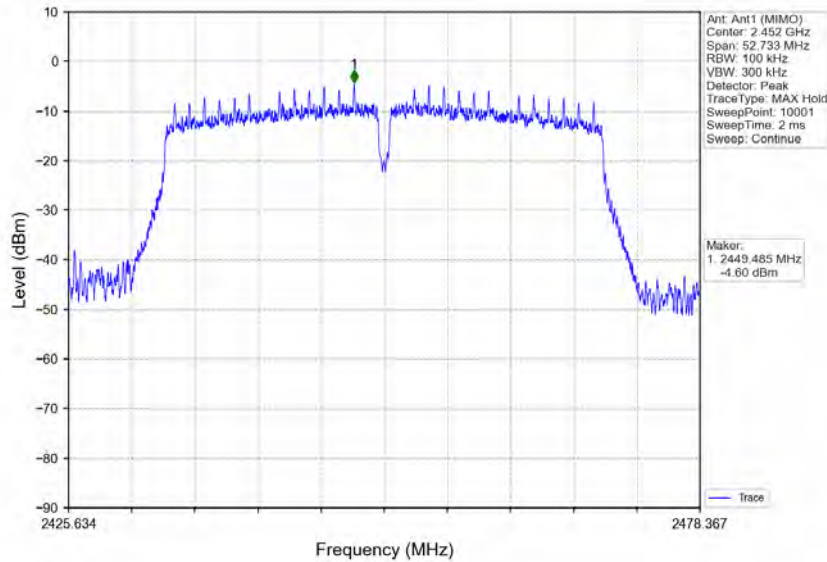
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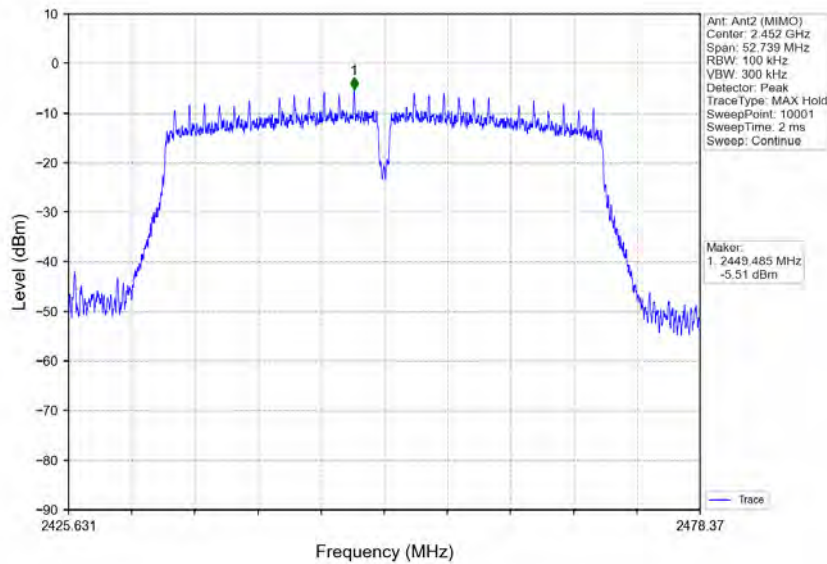
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802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



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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   | 3.04                     | -26.96      | Pass    |
|                |         |                 | 2   | 3.45                     | -26.55      | Pass    |
|                |         | 2437            | 1   | 3.04                     | -26.96      | Pass    |
|                |         |                 | 2   | 3.45                     | -26.55      | Pass    |
|                |         | 2462            | 1   | 3.04                     | -26.96      | Pass    |
|                |         |                 | 2   | 3.45                     | -26.55      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 0.38                     | -29.62      | Pass    |
|                |         |                 | 2   | -0.74                    | -30.74      | Pass    |
|                |         | 2437            | 1   | 0.38                     | -29.62      | Pass    |
|                |         |                 | 2   | -0.74                    | -30.74      | Pass    |
|                |         | 2462            | 1   | 0.38                     | -29.62      | Pass    |
|                |         |                 | 2   | -0.74                    | -30.74      | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | -0.88                    | -30.88      | Pass    |
|                |         |                 | 2   | -2.02                    | -32.02      | Pass    |
|                |         | 2437            | 1   | -0.88                    | -30.88      | Pass    |
|                |         |                 | 2   | -2.02                    | -32.02      | Pass    |
|                |         | 2462            | 1   | -0.88                    | -30.88      | Pass    |
|                |         |                 | 2   | -2.02                    | -32.02      | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | -4.60                    | -34.60      | Pass    |
|                |         |                 | 2   | -5.40                    | -35.40      | Pass    |
|                |         | 2437            | 1   | -4.60                    | -34.60      | Pass    |
|                |         |                 | 2   | -5.40                    | -35.40      | Pass    |
|                |         | 2452            | 1   | -4.60                    | -34.60      | Pass    |
|                |         |                 | 2   | -5.40                    | -35.40      | Pass    |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

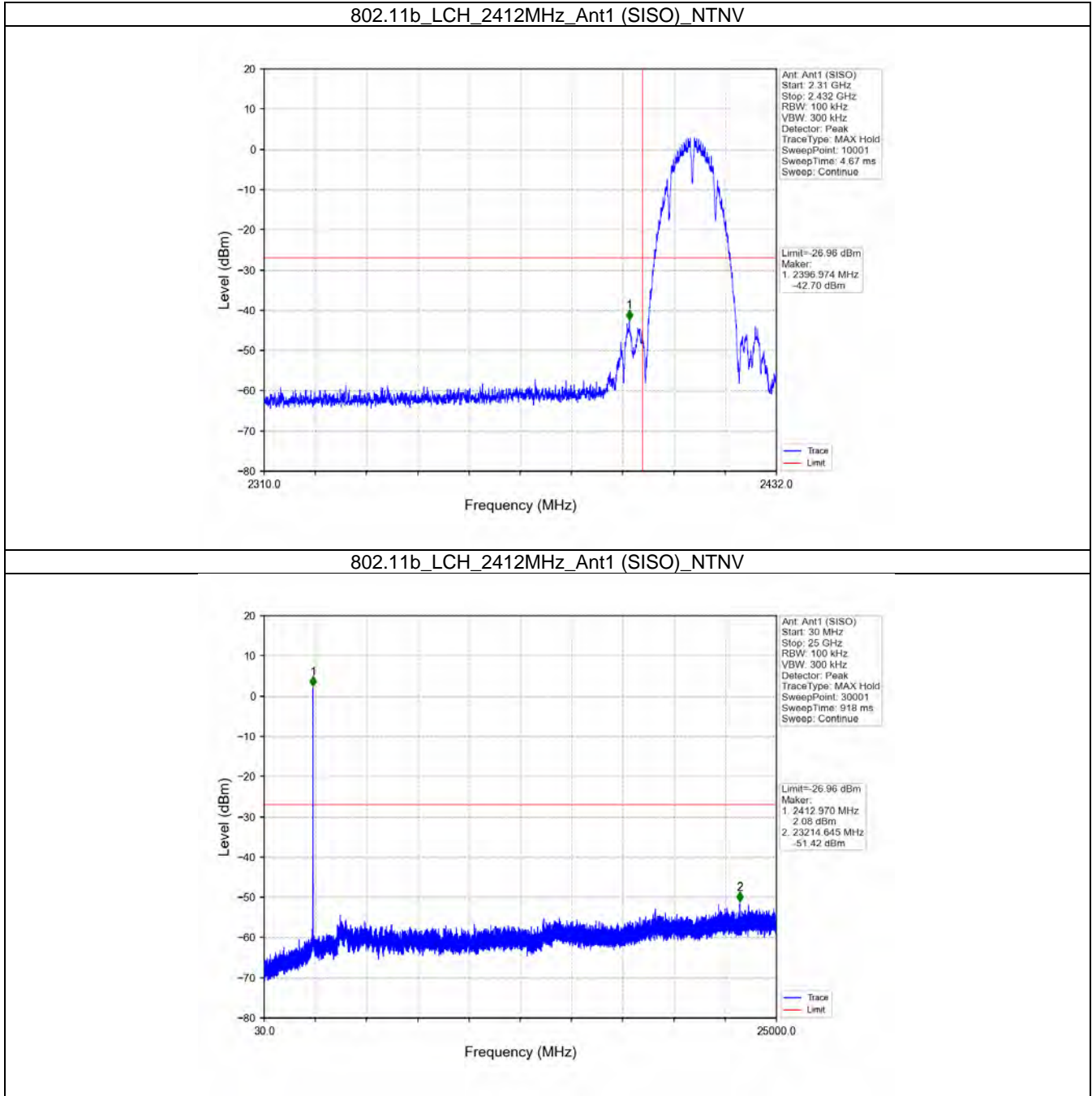
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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5.2.2 Test Graph



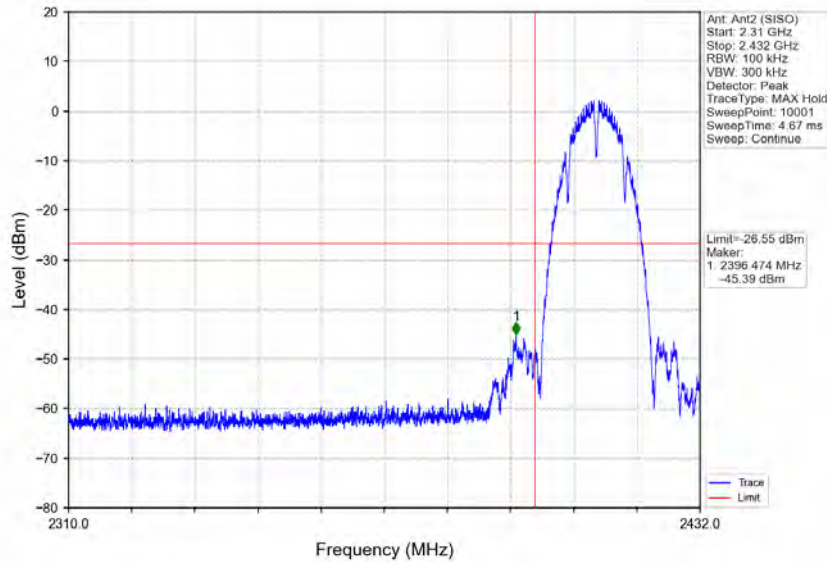
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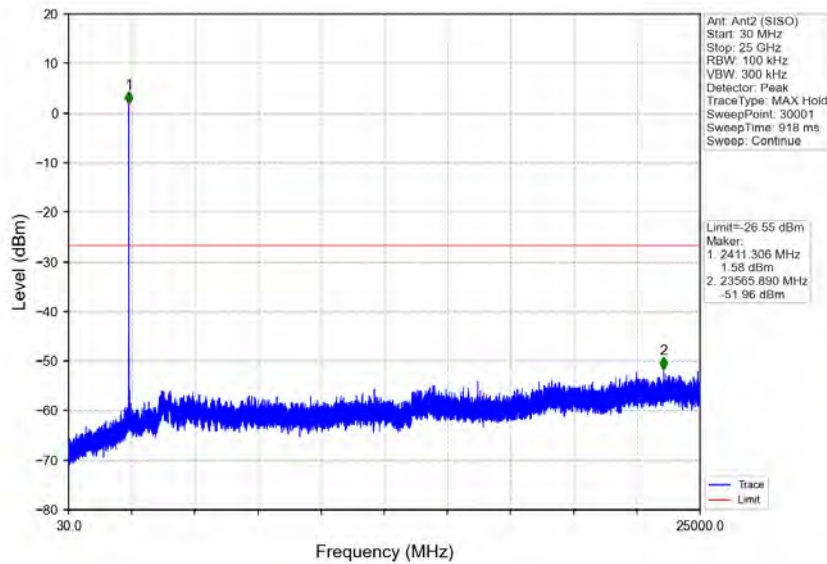
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802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



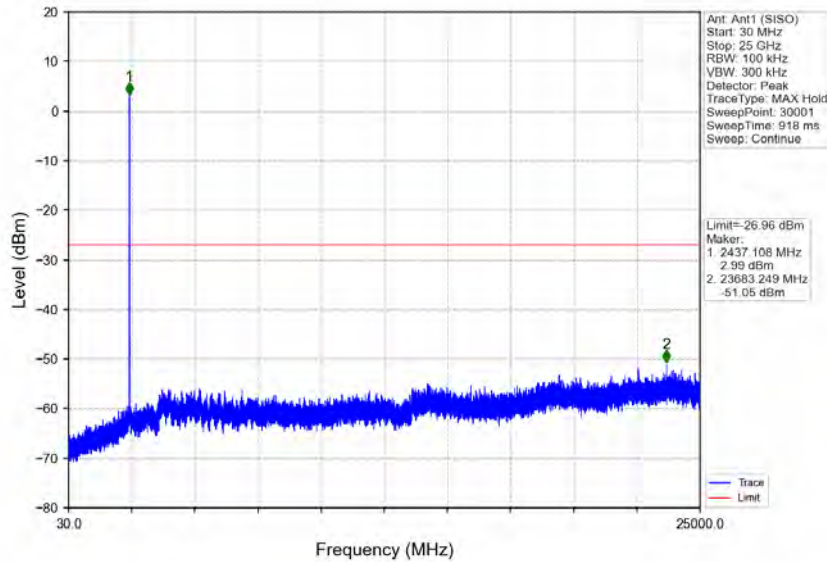
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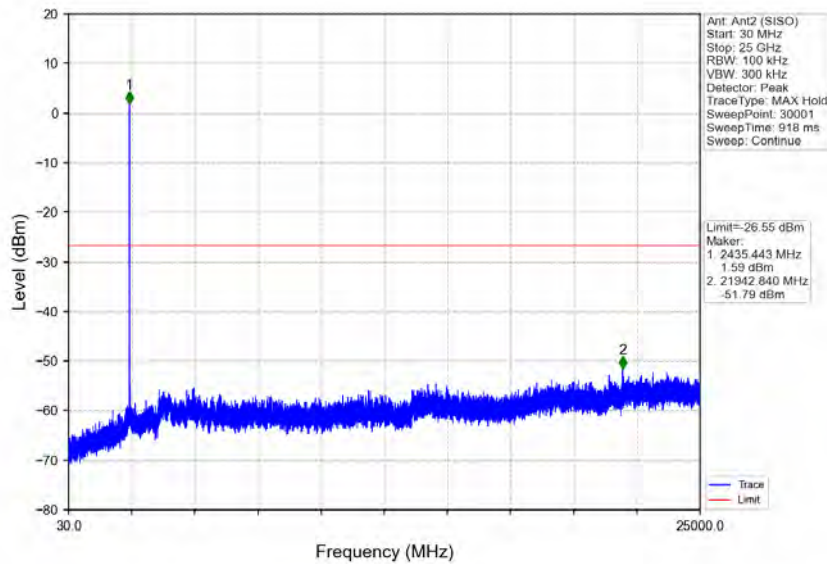
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802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



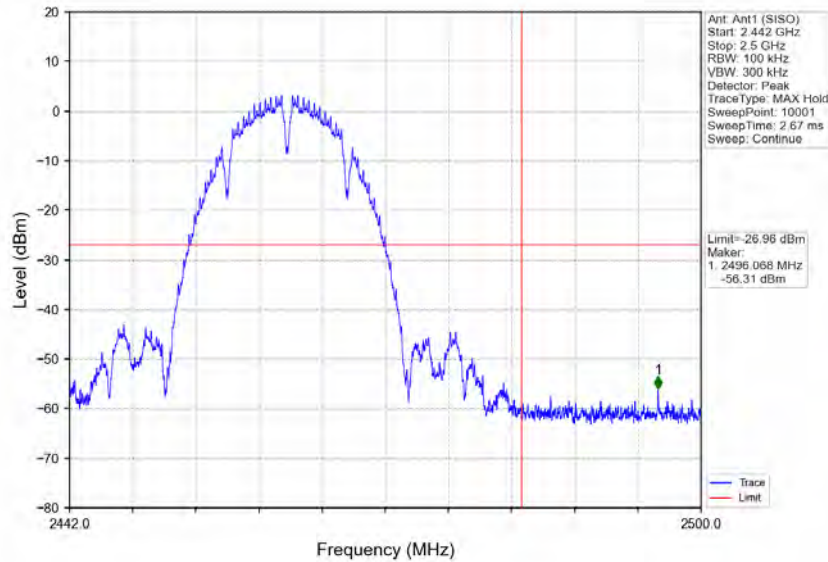
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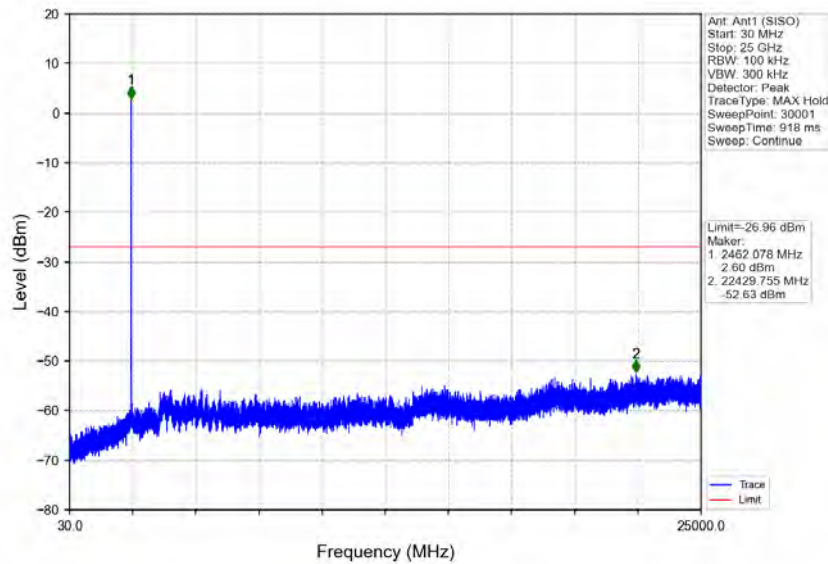
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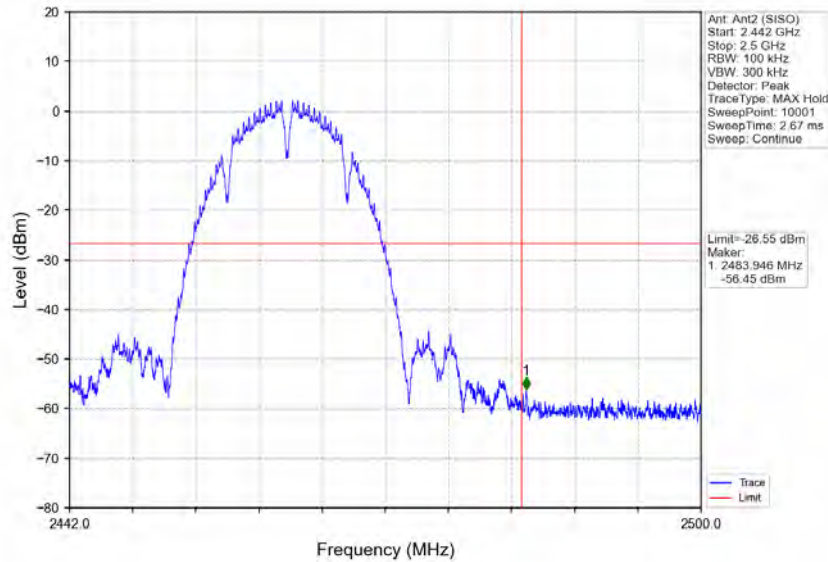
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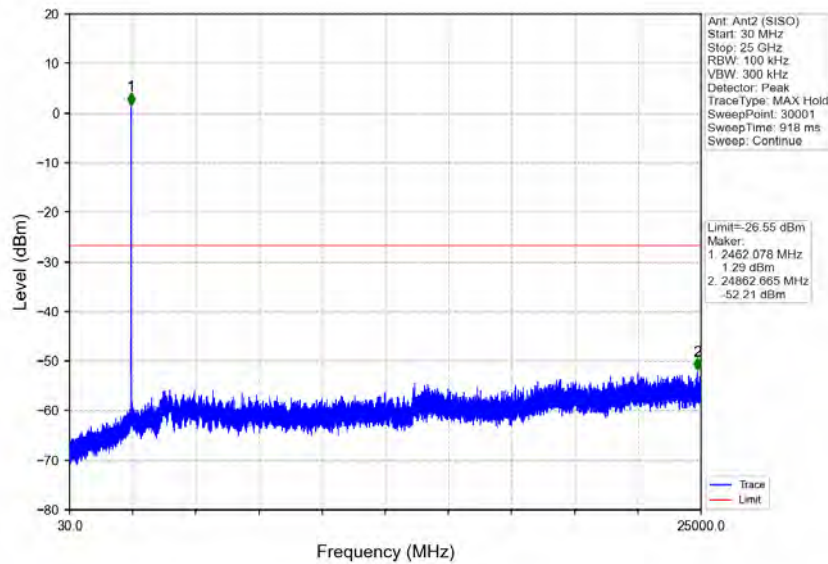
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802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



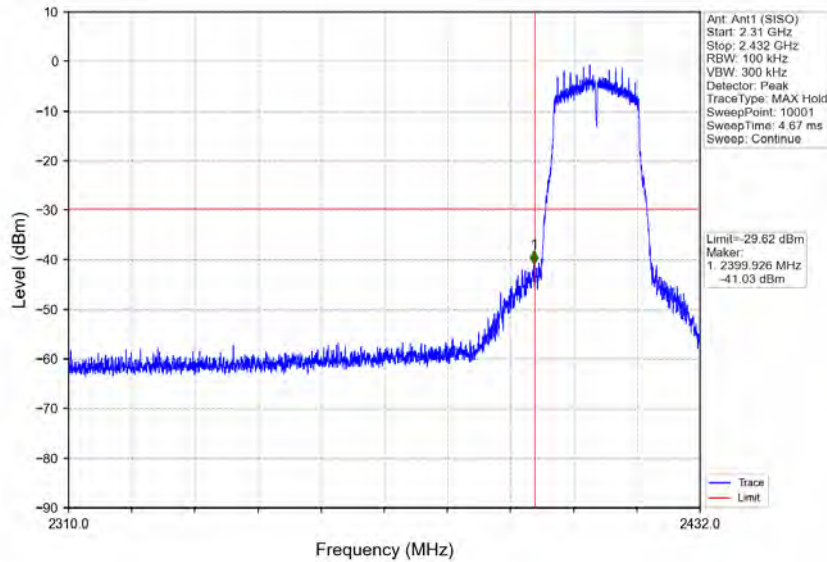
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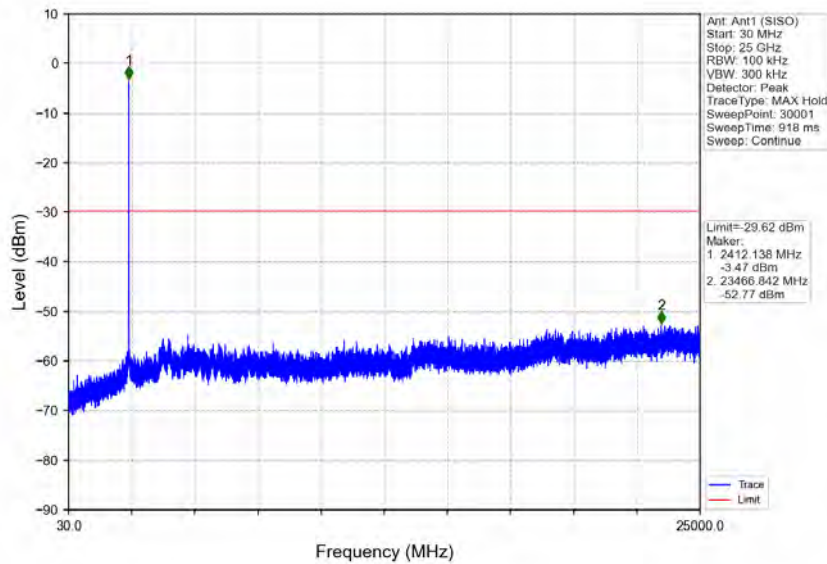
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

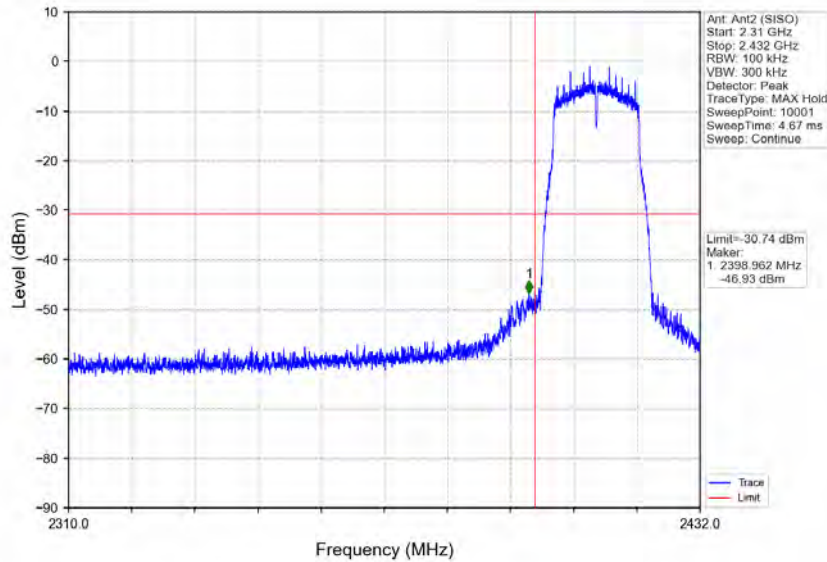


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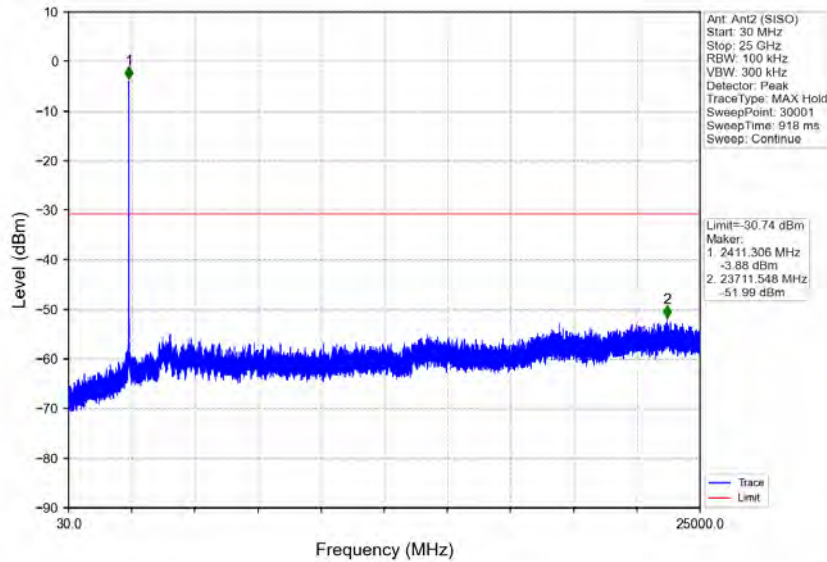
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802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



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

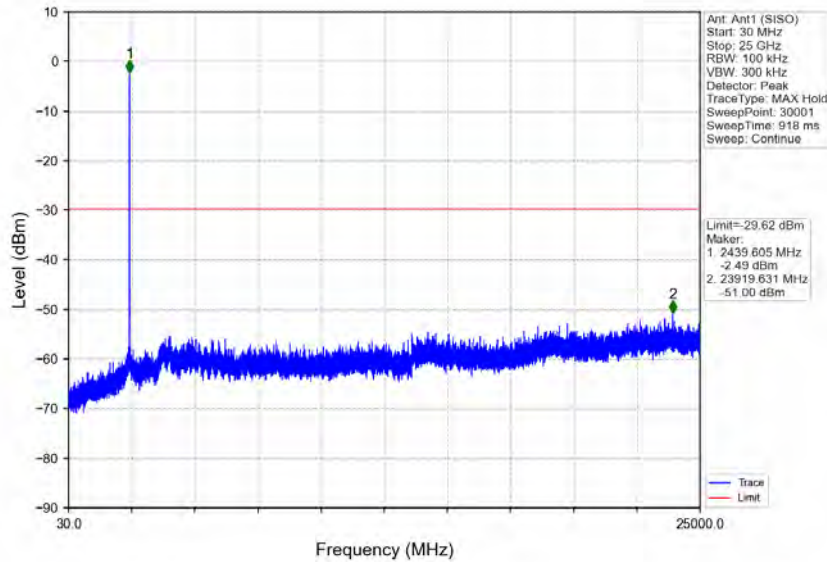


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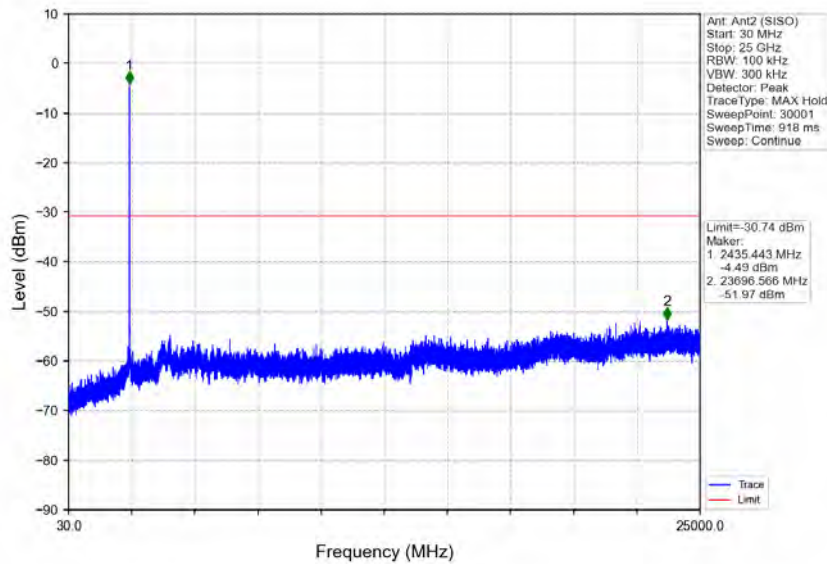
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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



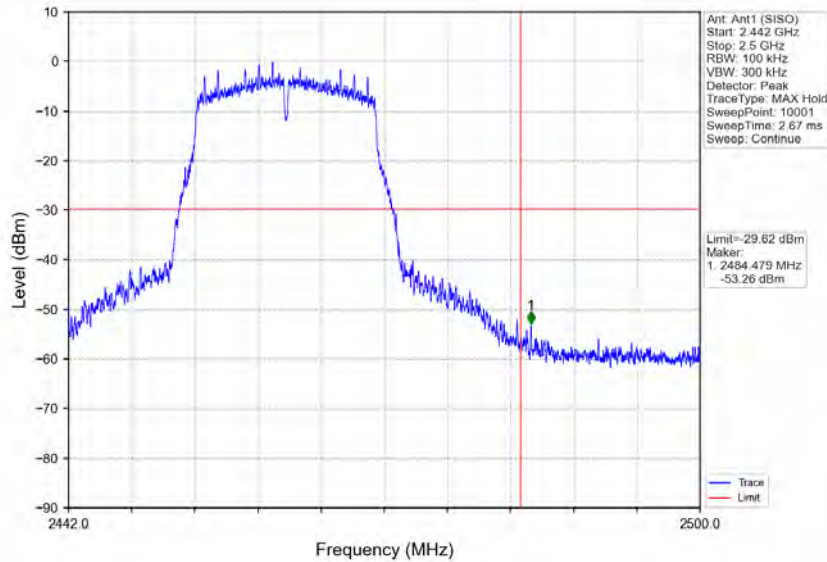
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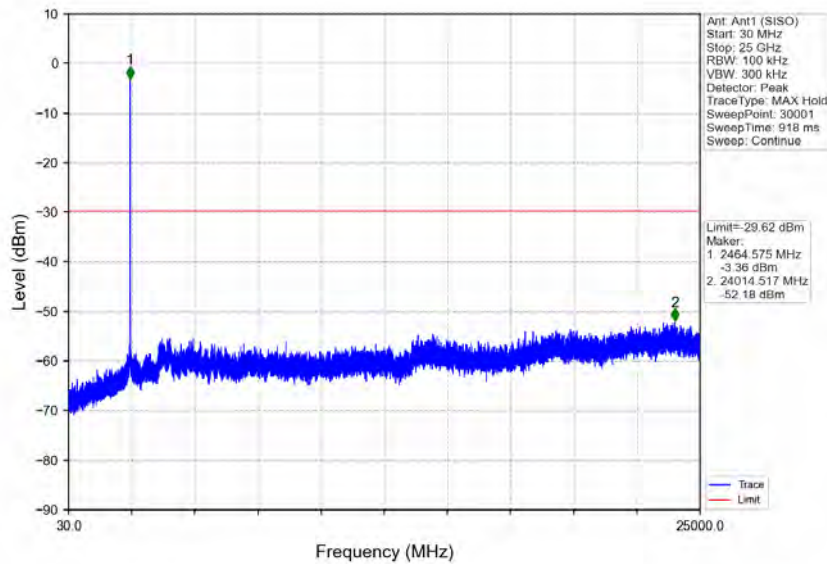
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802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

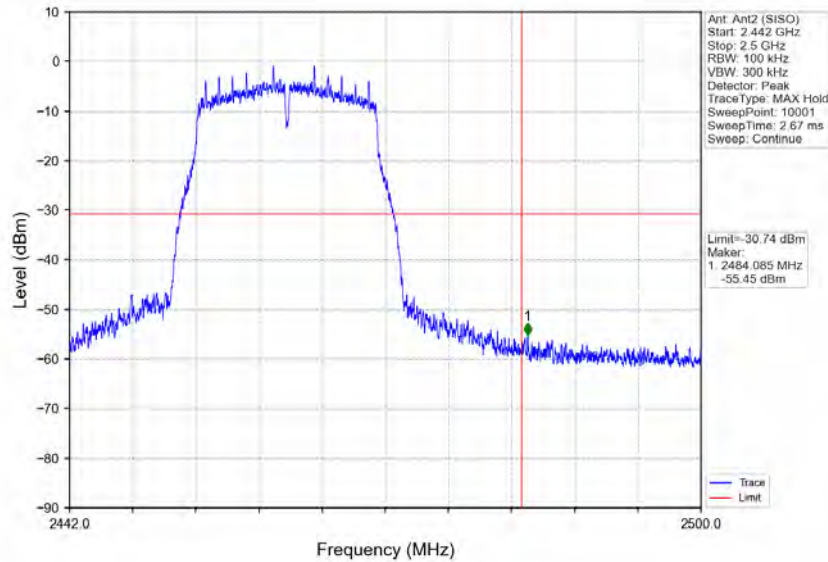


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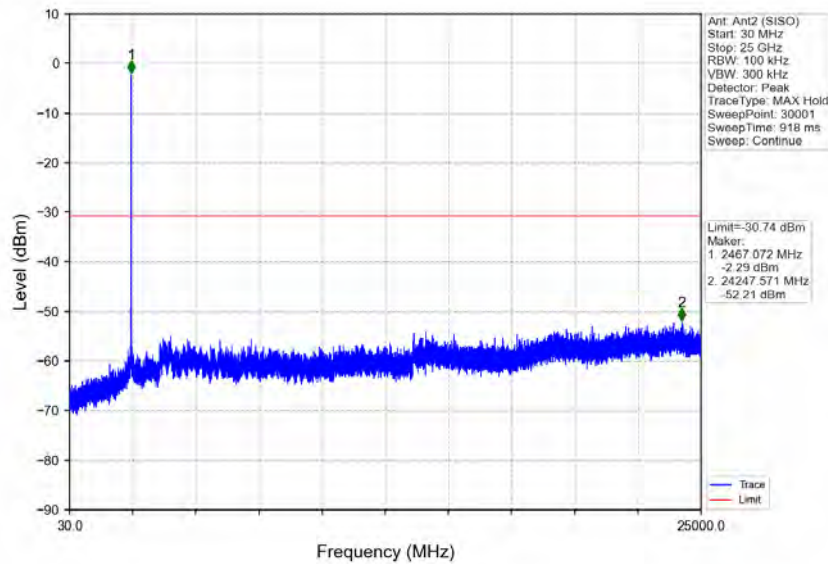
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802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



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



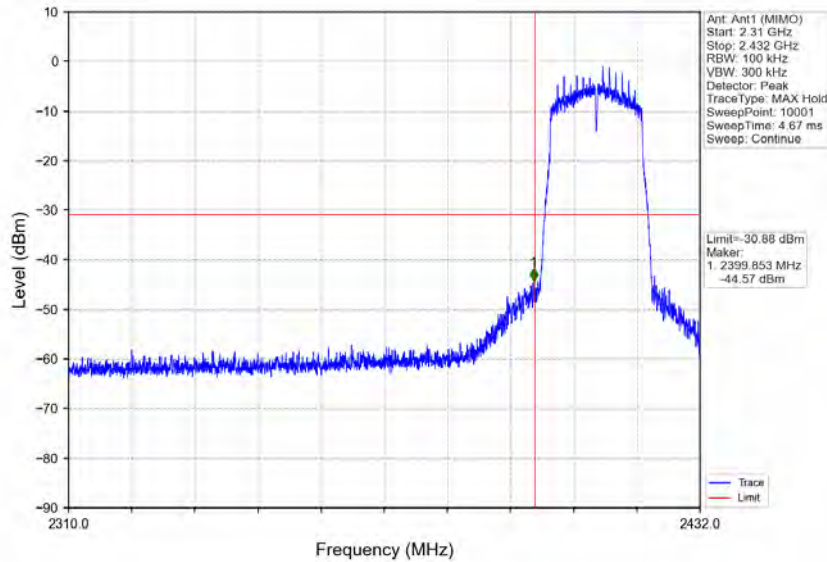
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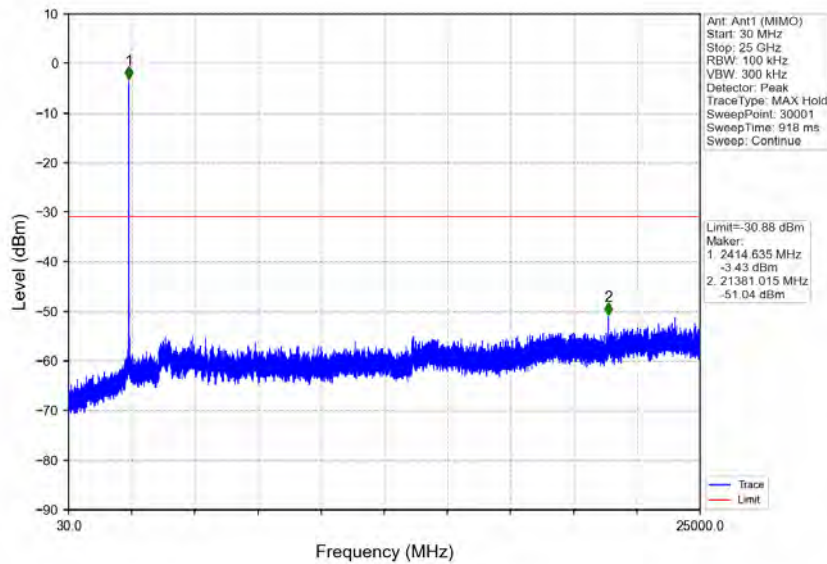
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



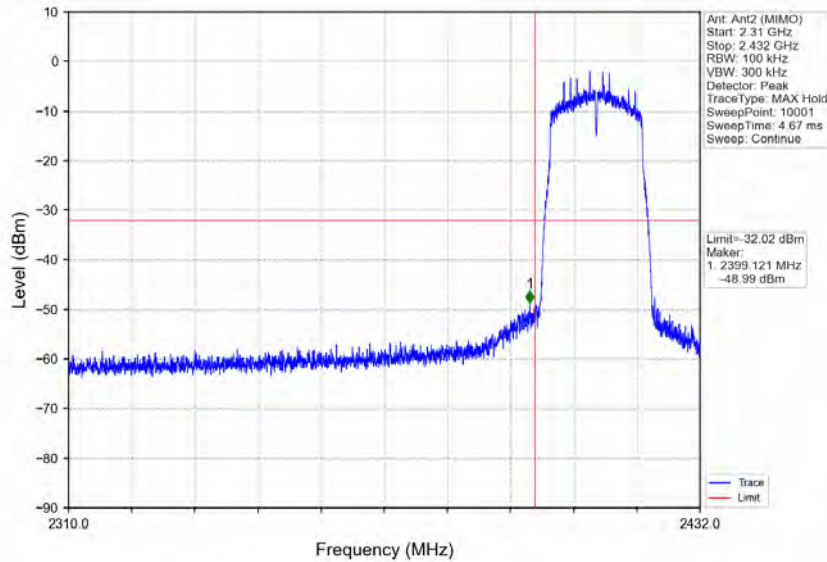
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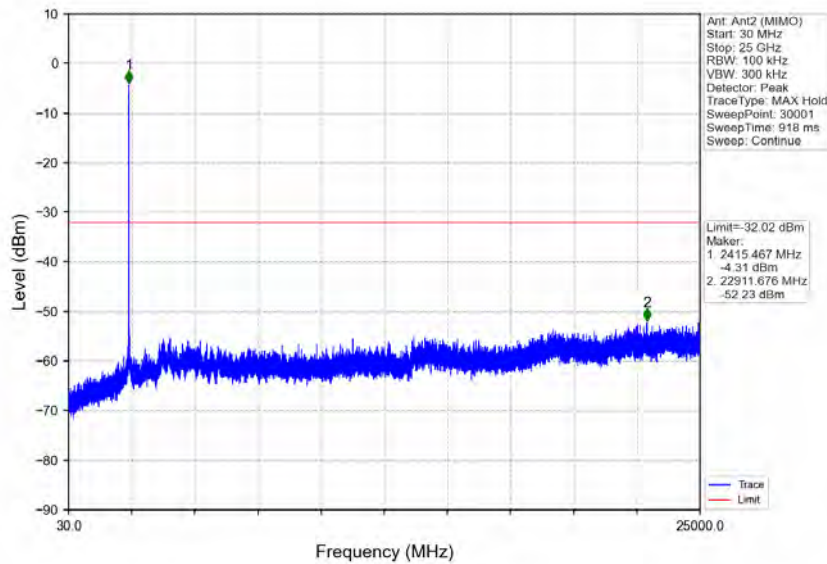
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802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



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



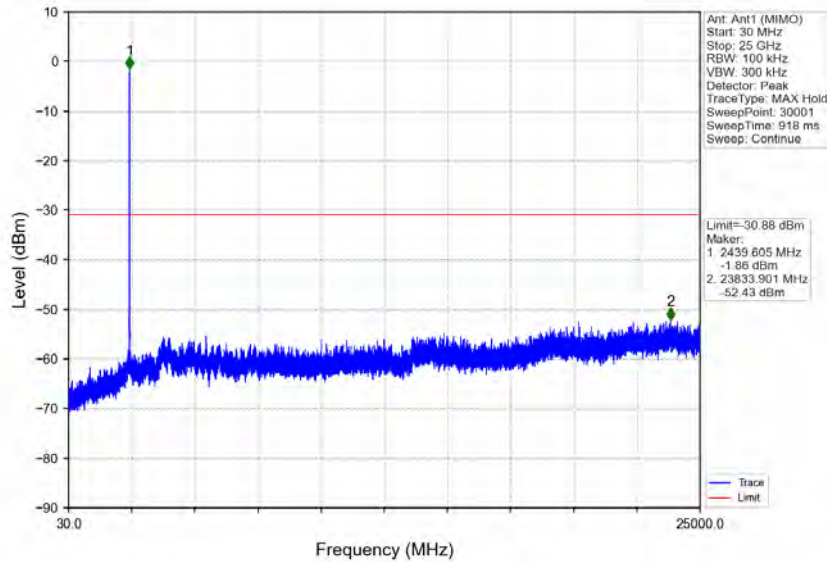
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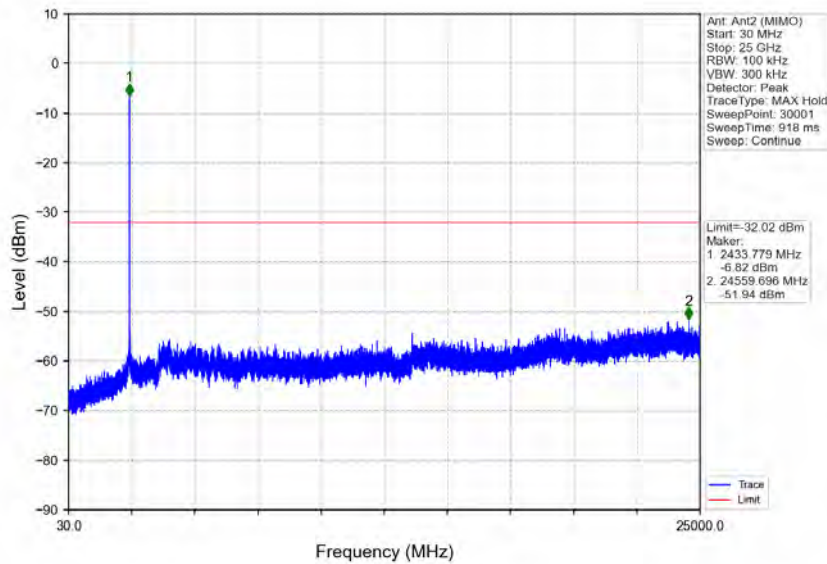
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



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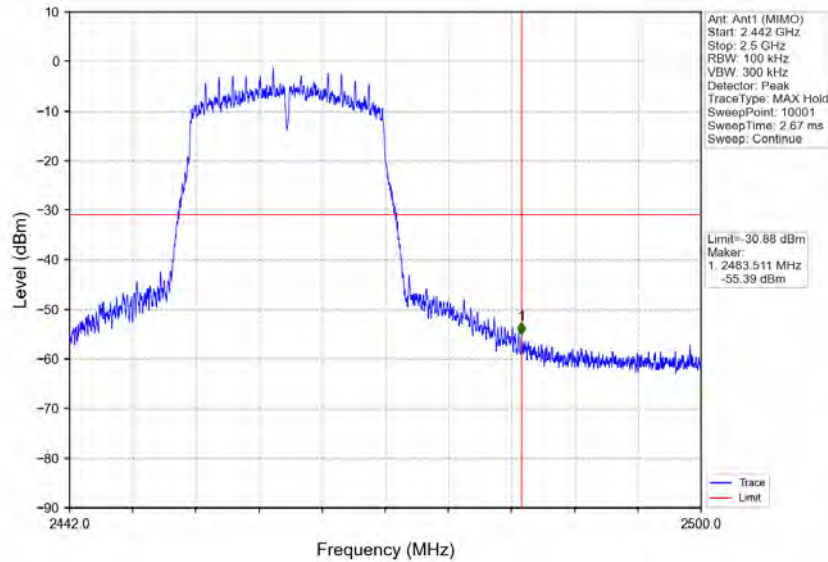


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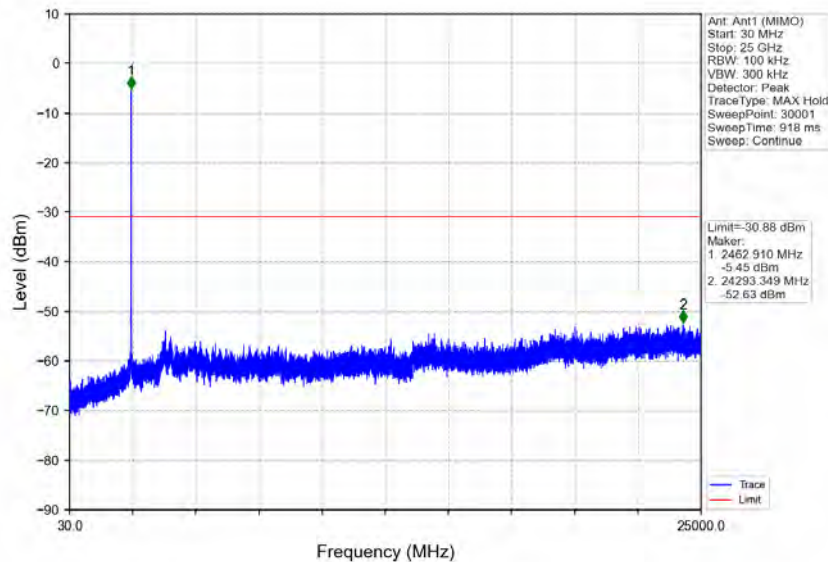
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



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

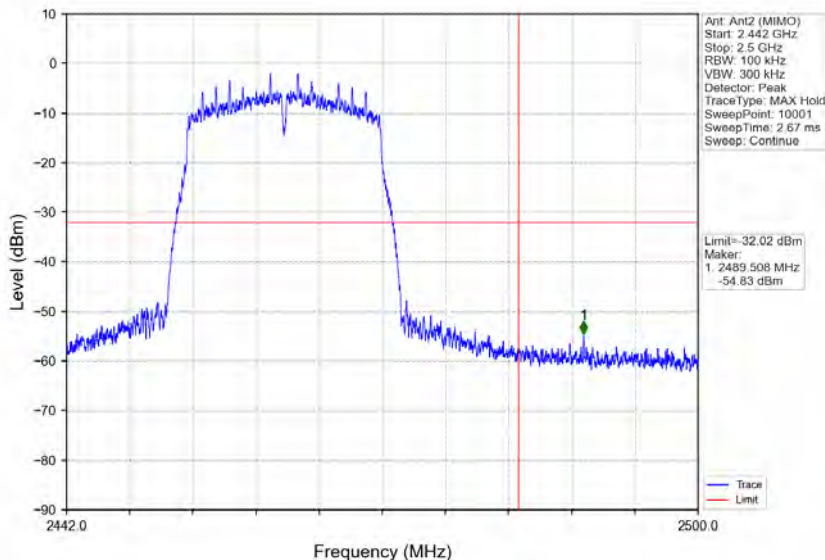


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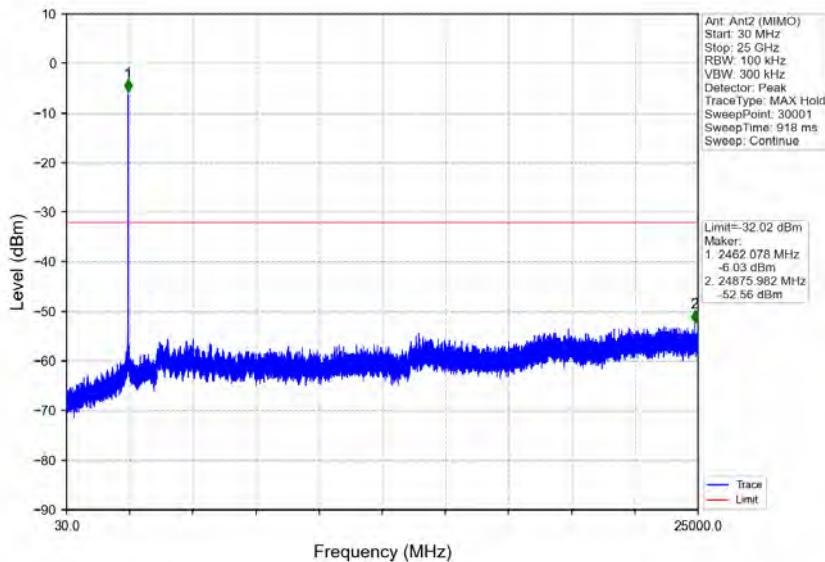
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802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



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

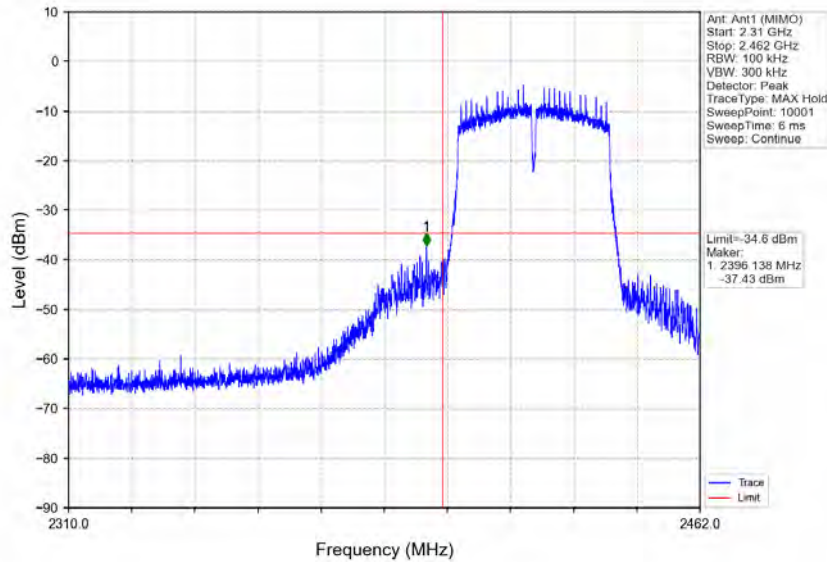


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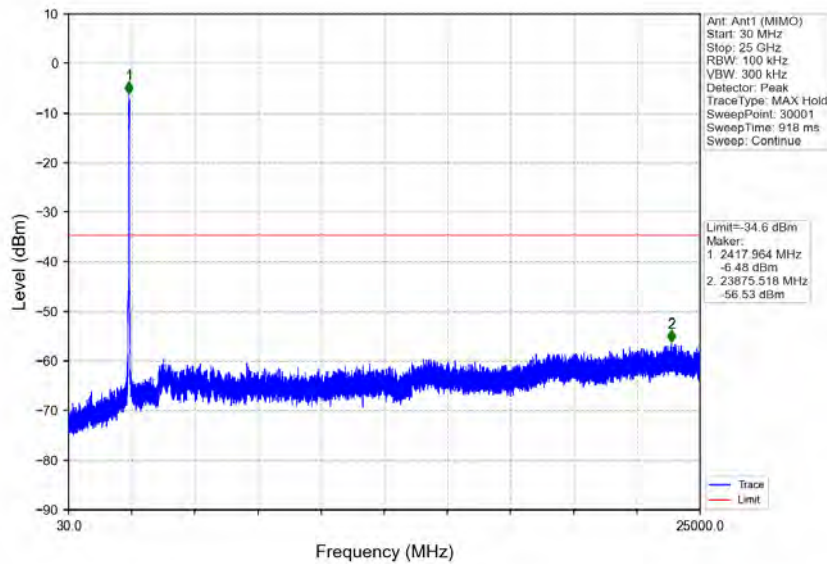
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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



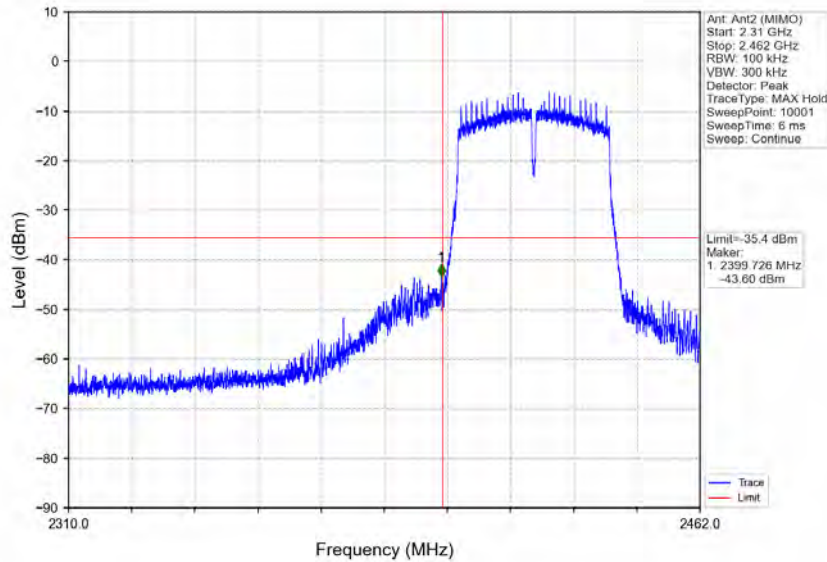
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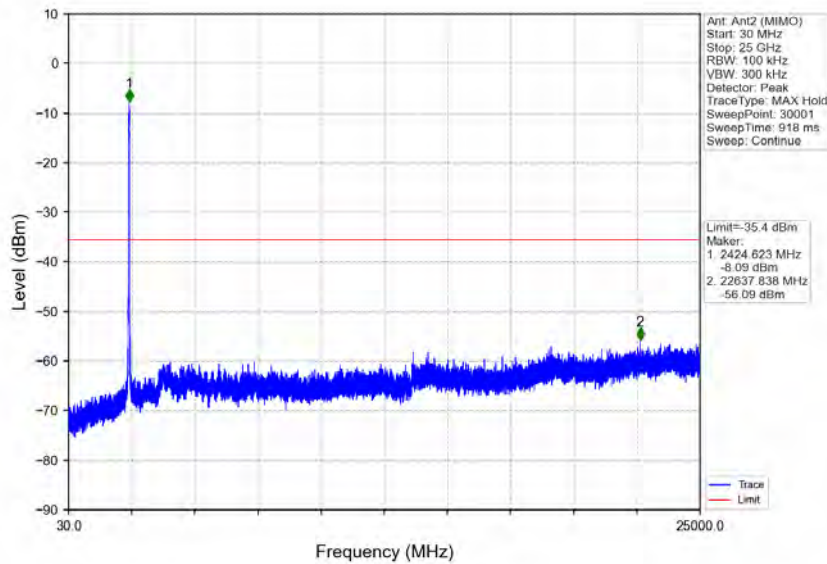
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802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



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

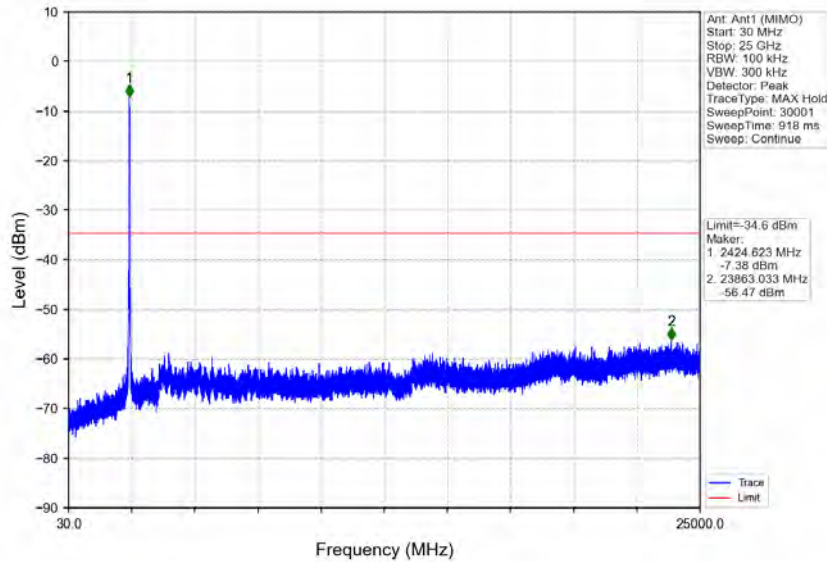


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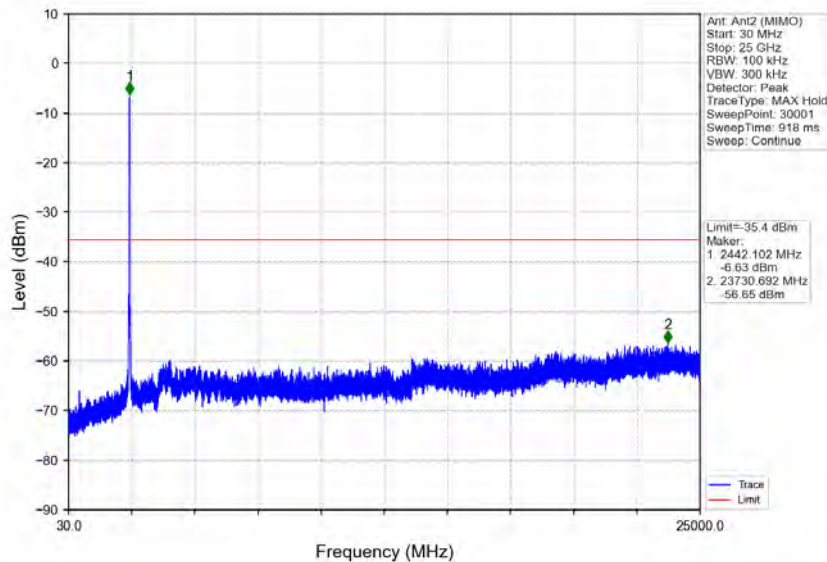
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



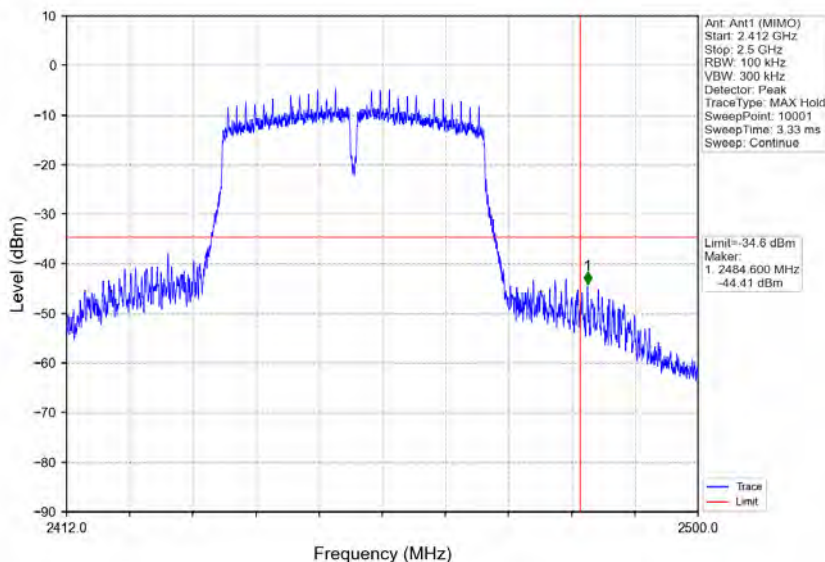
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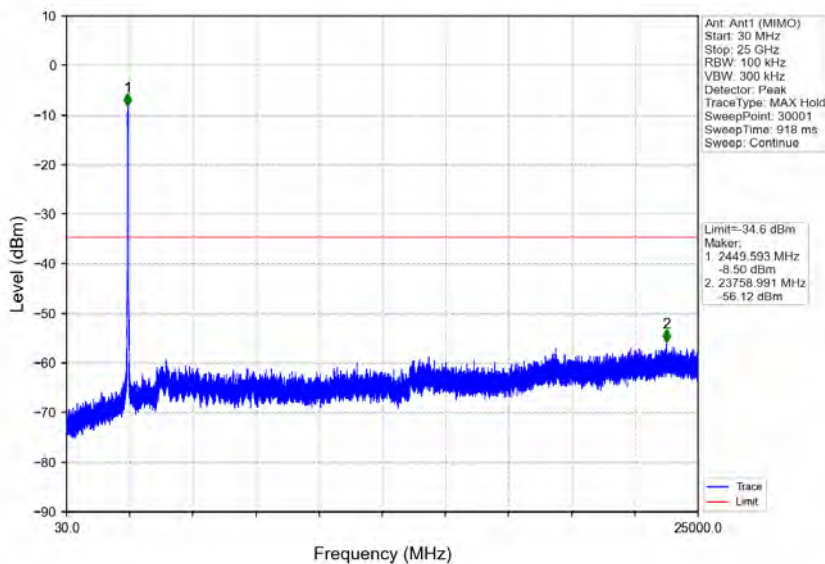
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802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



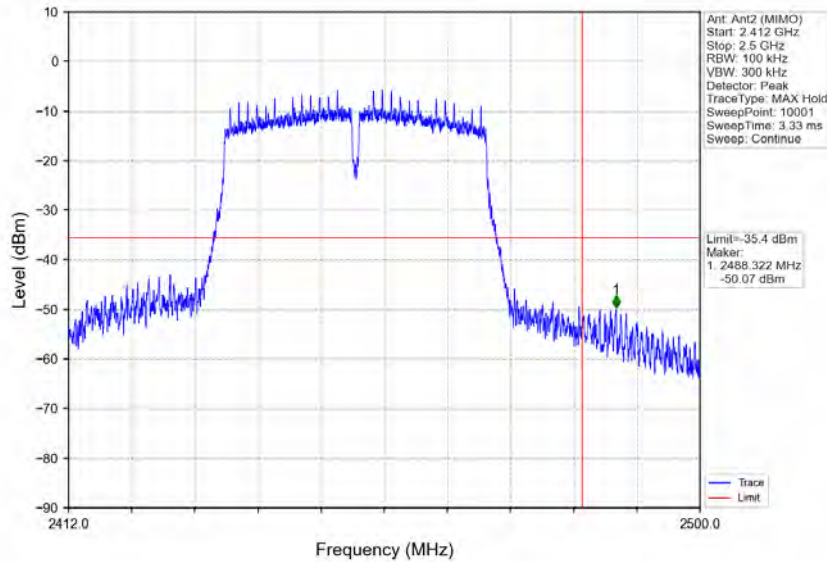
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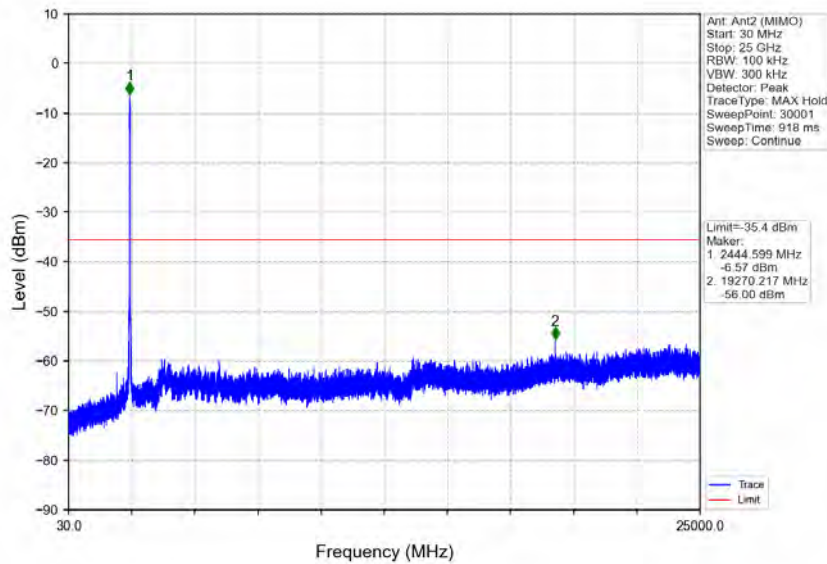
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802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



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



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