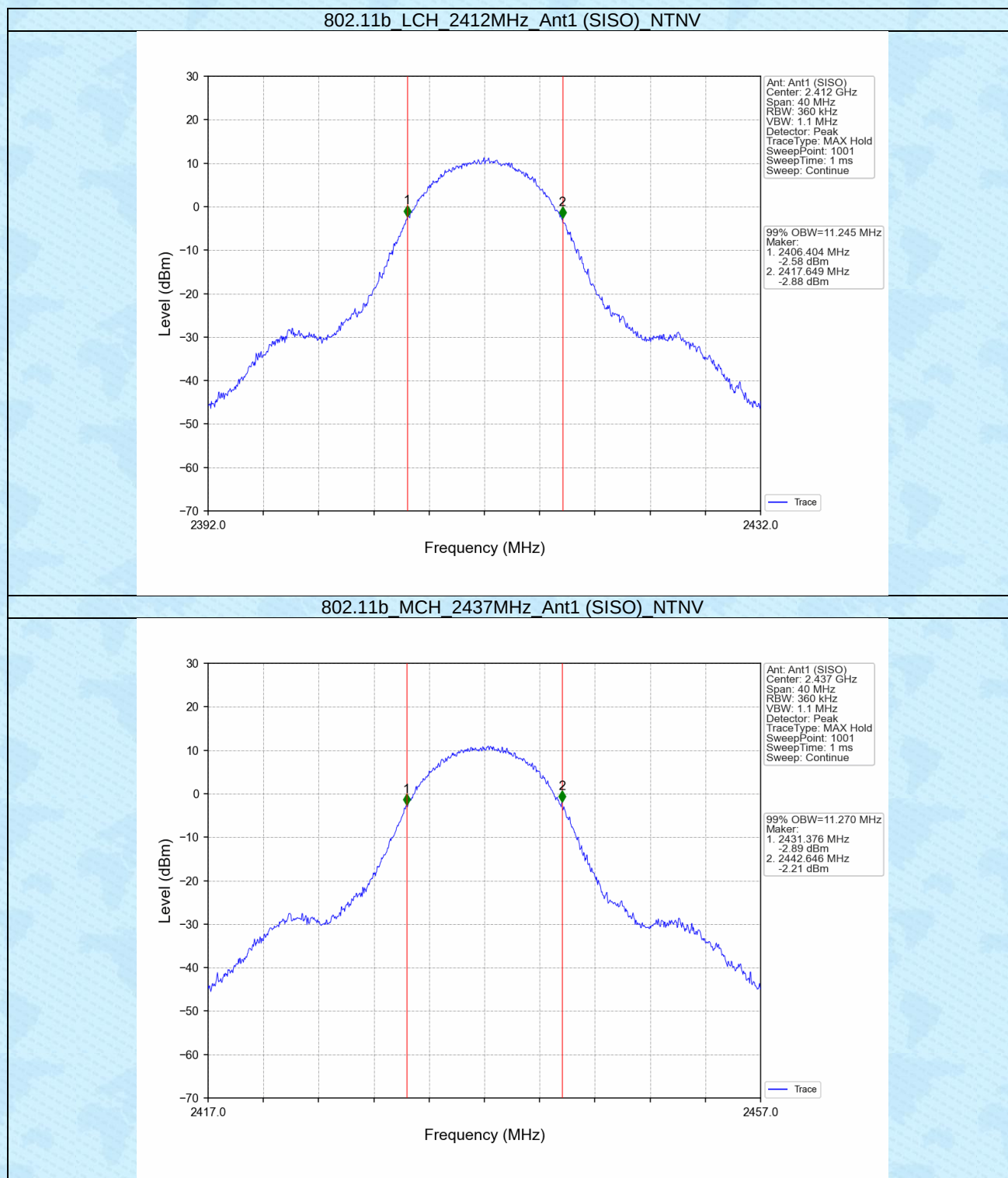


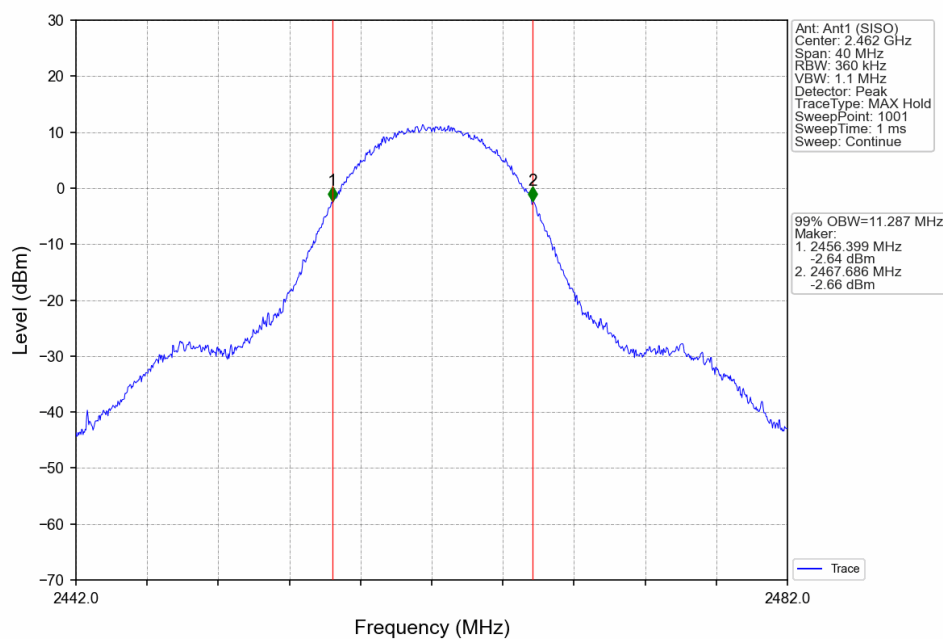
**Appendix for 15.247****1. Bandwidth****1.1 OBW****1.1.1 Test Result**

| Mode           | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|----------------|---------|-----------------|-----|------------------------------|---------|
|                |         |                 |     | Result                       |         |
| 802.11b        | SISO    | 2412            | 1   | 11.245                       | Pass    |
|                |         | 2437            | 1   | 11.270                       | Pass    |
|                |         | 2462            | 1   | 11.287                       | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.762                       | Pass    |
|                |         | 2437            | 1   | 16.743                       | Pass    |
|                |         | 2462            | 1   | 16.557                       | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 18.298                       | Pass    |
|                |         | 2437            | 1   | 18.229                       | Pass    |
|                |         | 2462            | 1   | 18.038                       | Pass    |

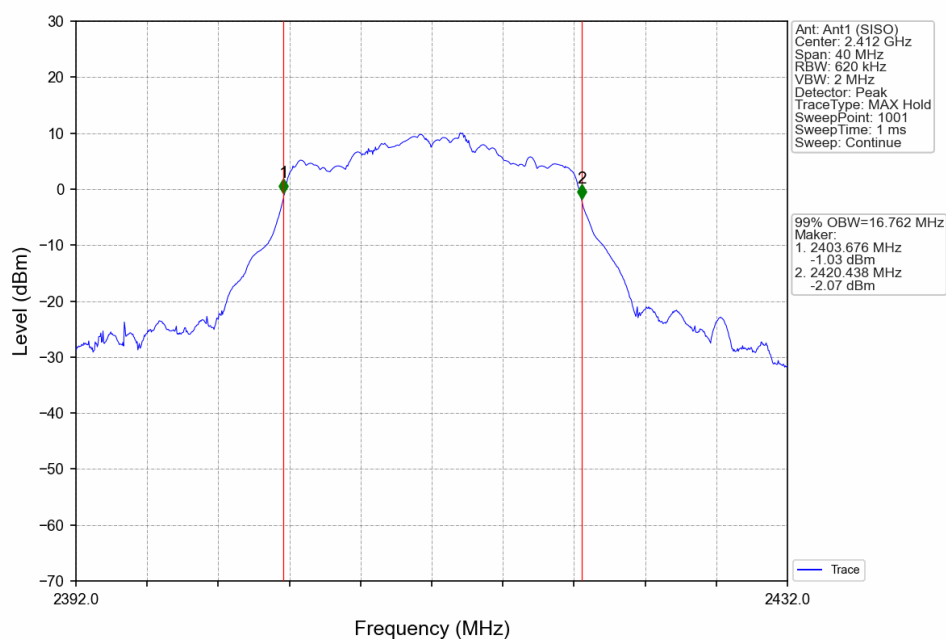
## 1.1.2 Test Graph



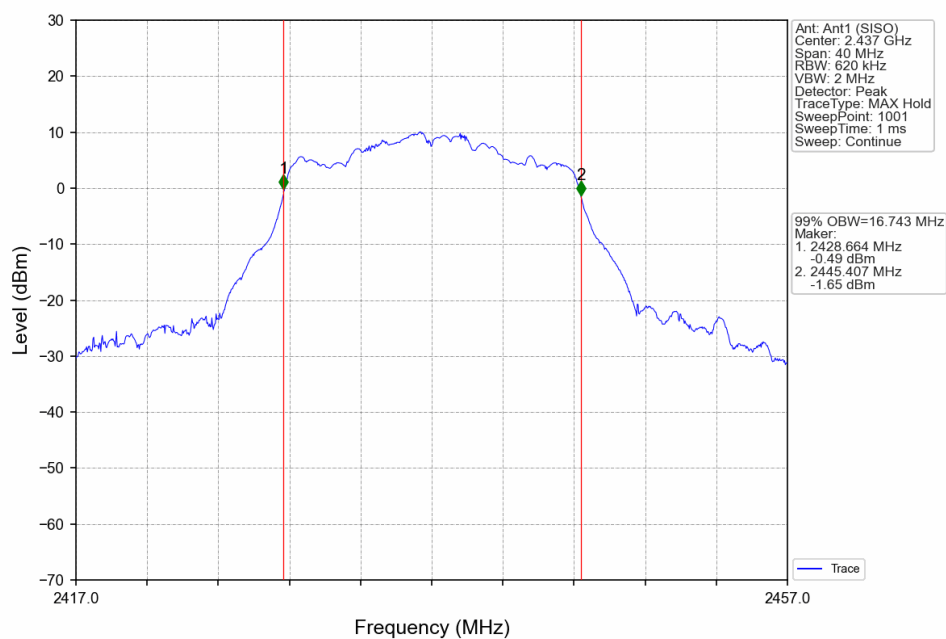
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



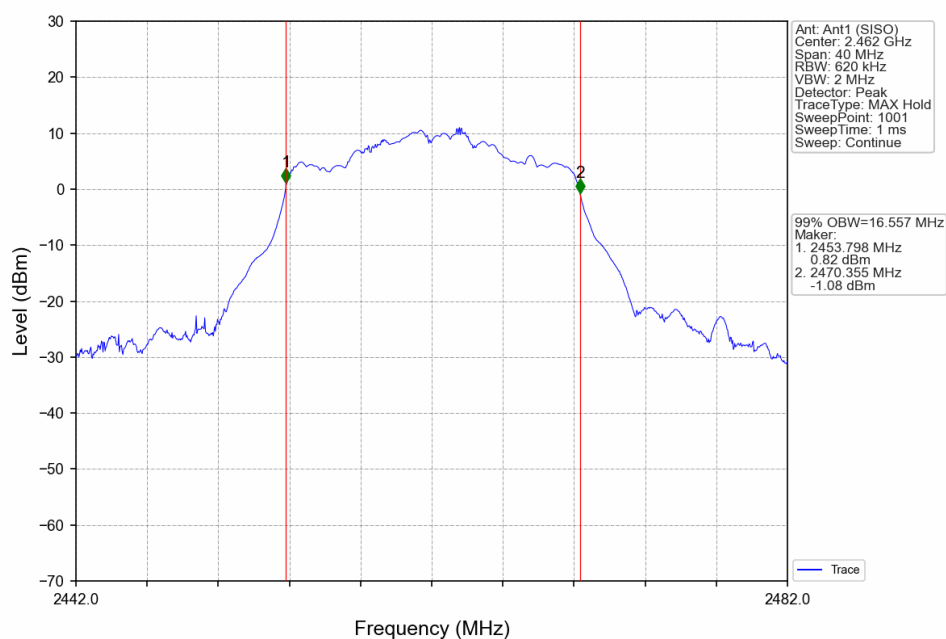
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

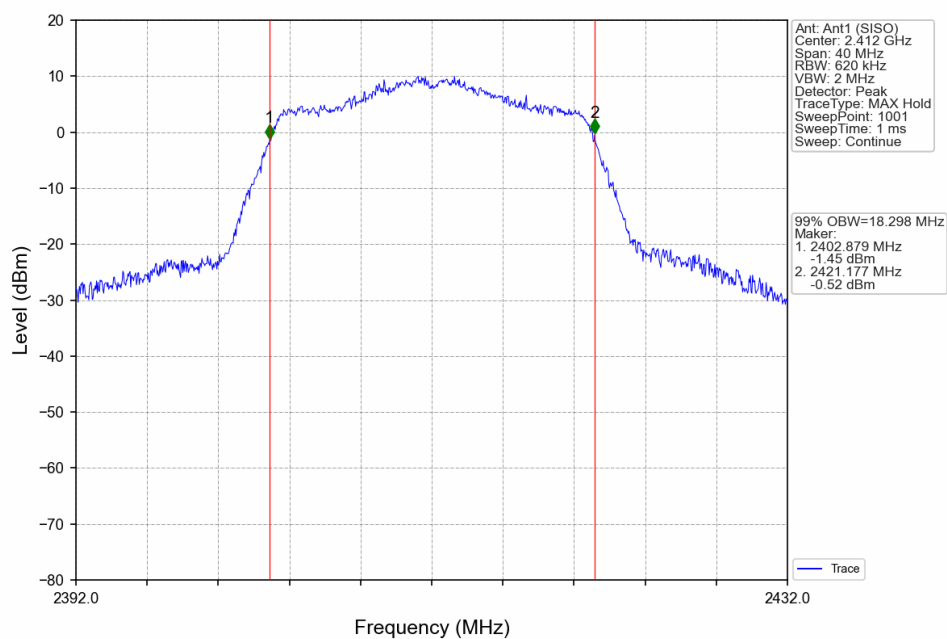


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

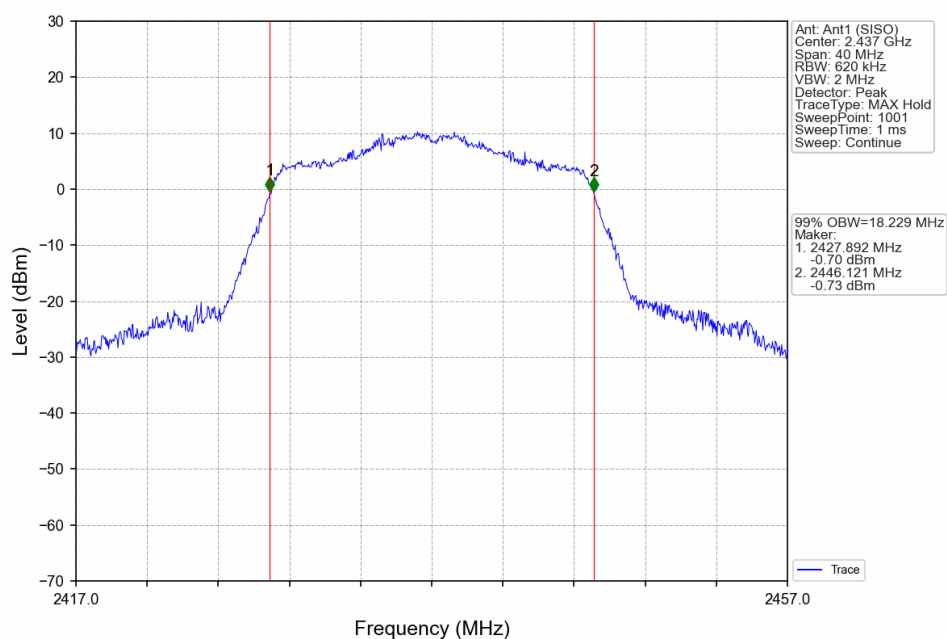


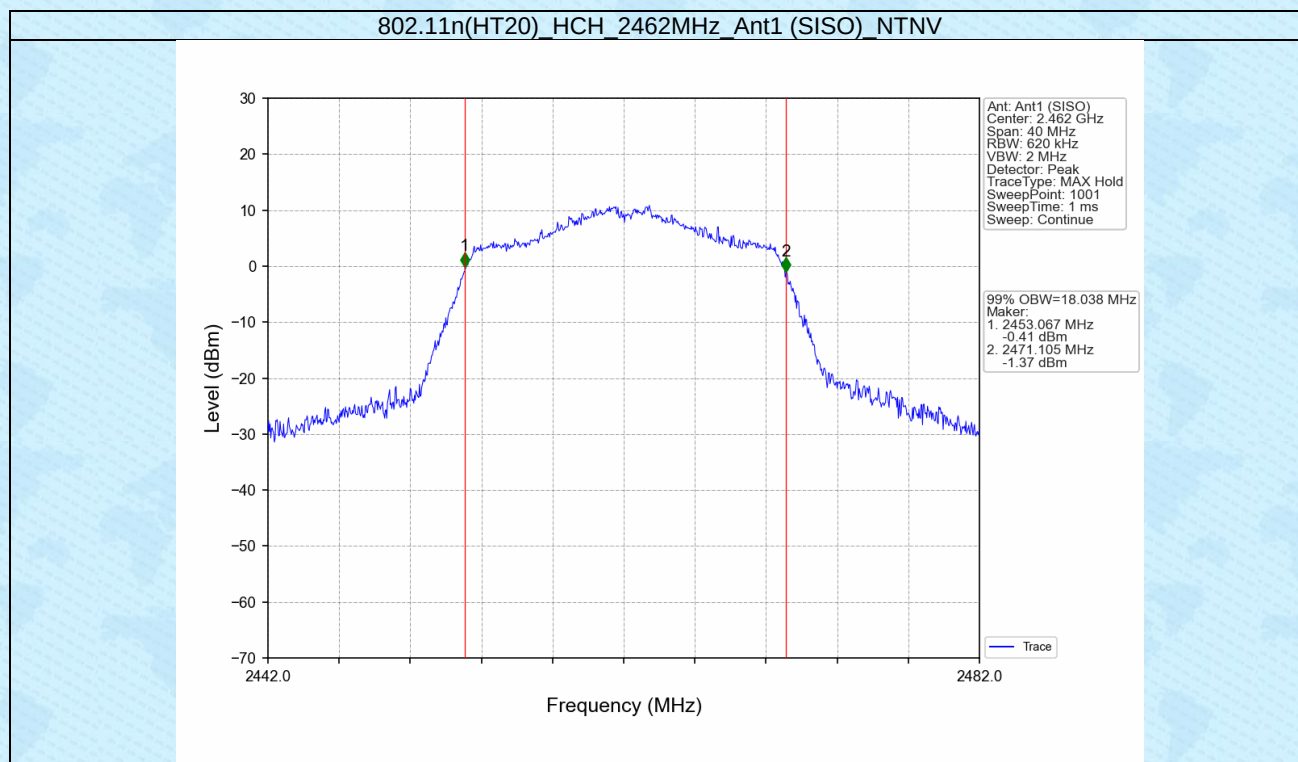


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



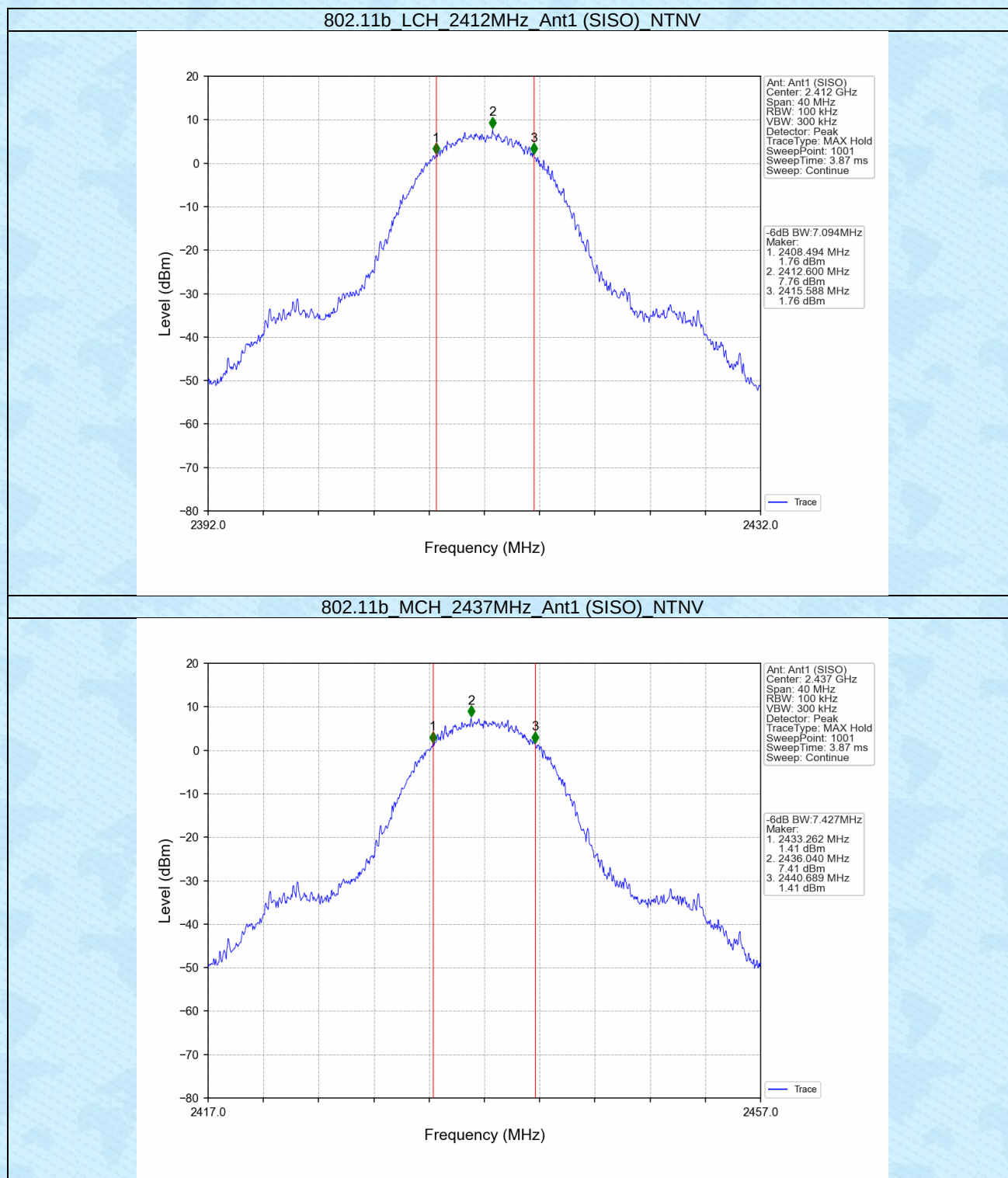


## 1.2 6dB BW

## 1.2.1 Test Result

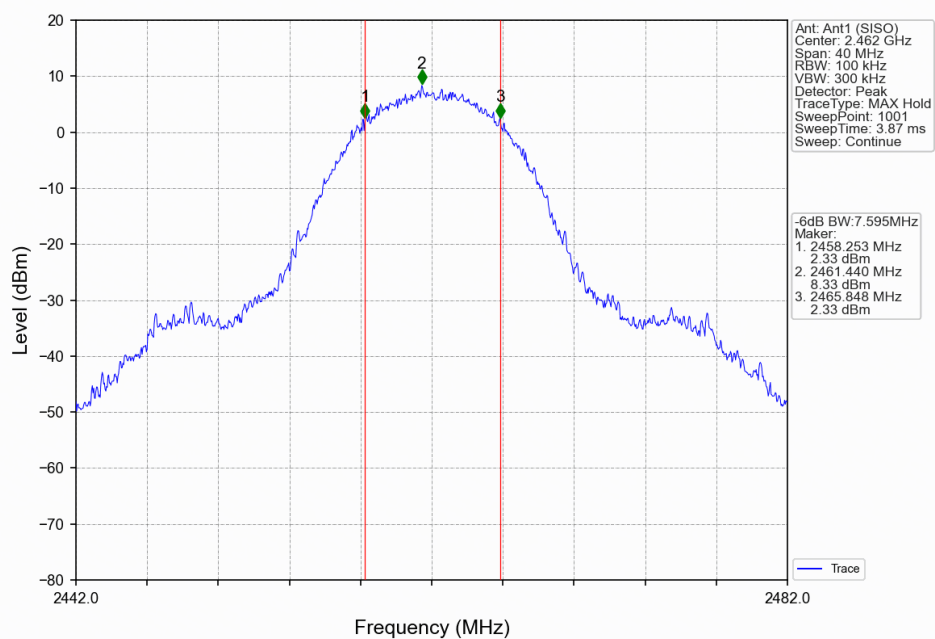
| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 7.094               | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 7.427               | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 7.595               | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 15.206              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 15.348              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 15.180              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 15.448              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 15.769              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 15.183              | $\geq 0.5$ | Pass    |

## 1.2.2 Test Graph

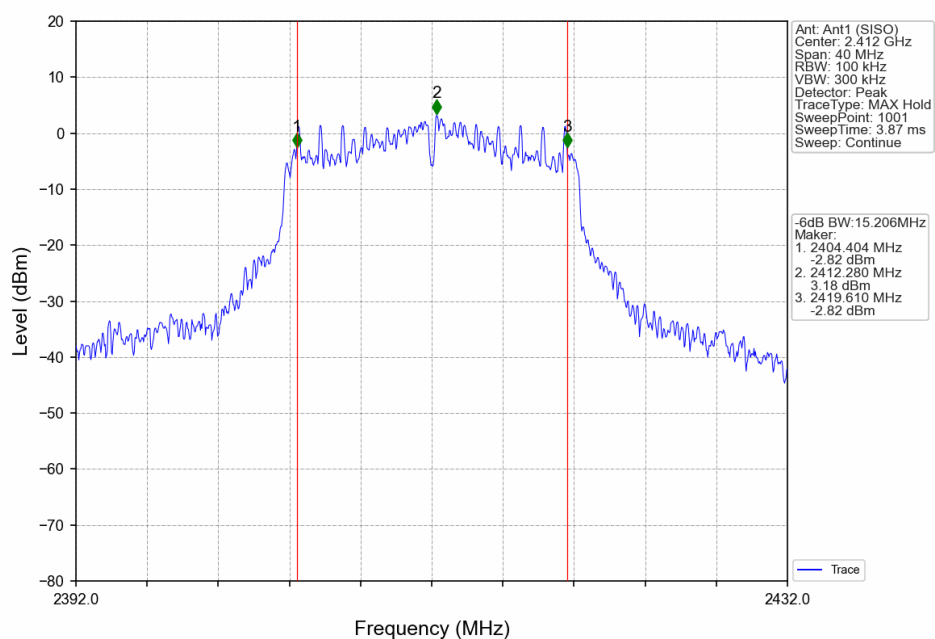




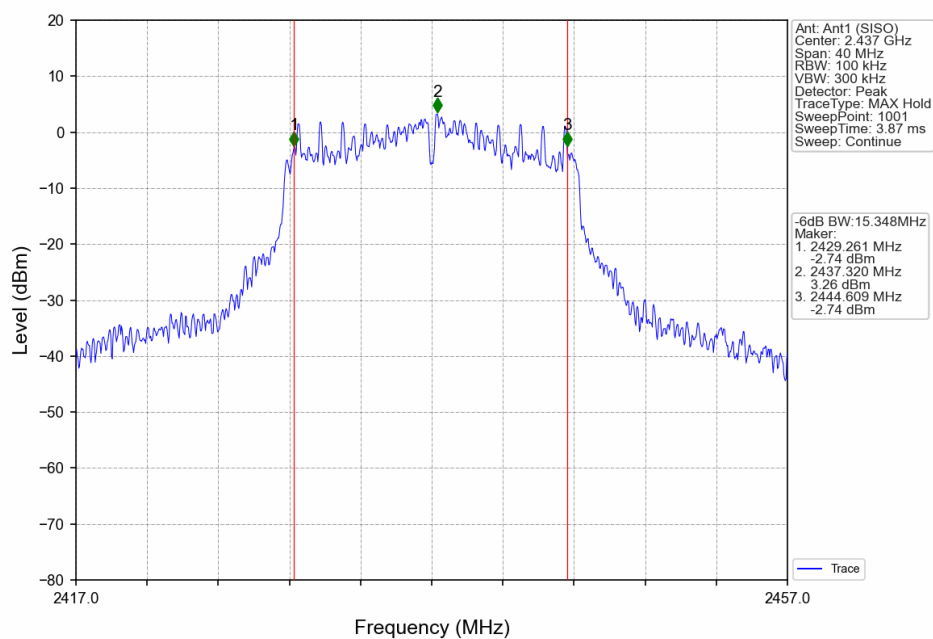
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



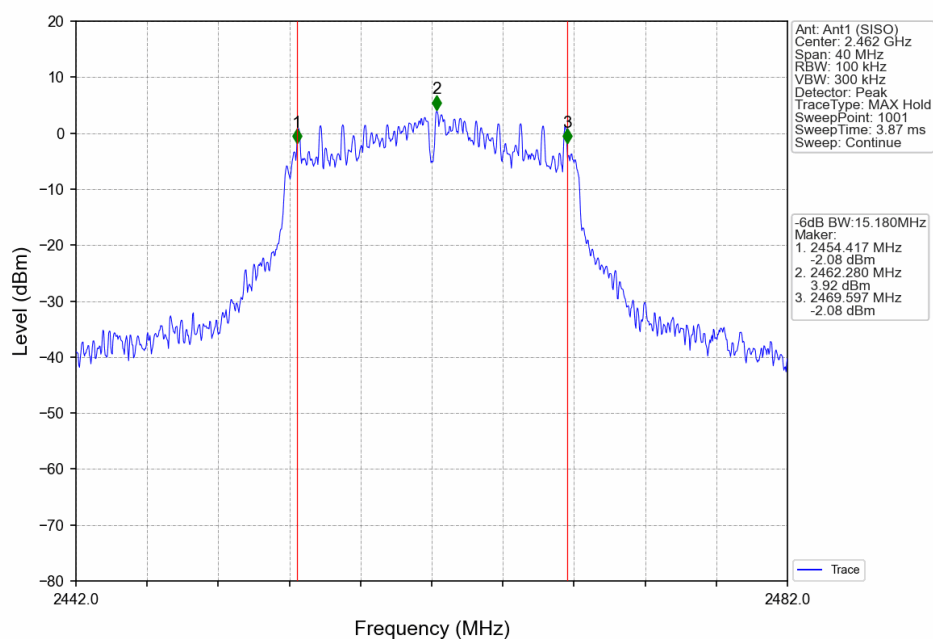
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



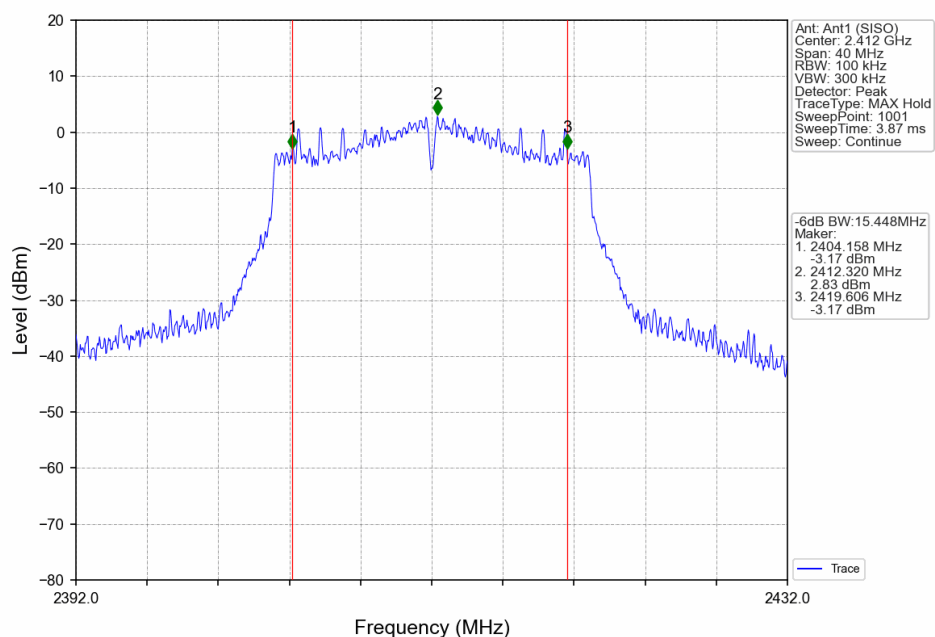
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



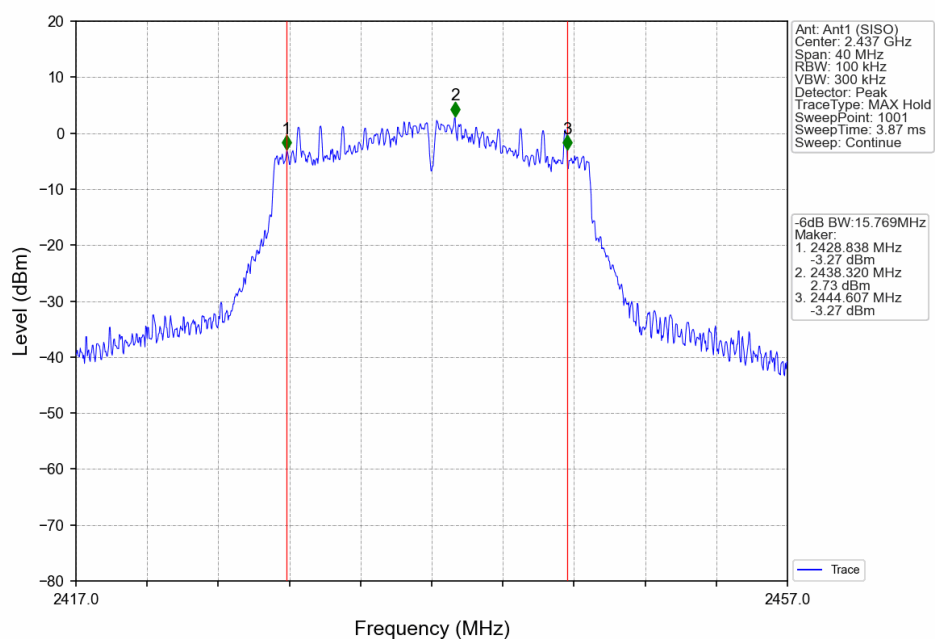
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

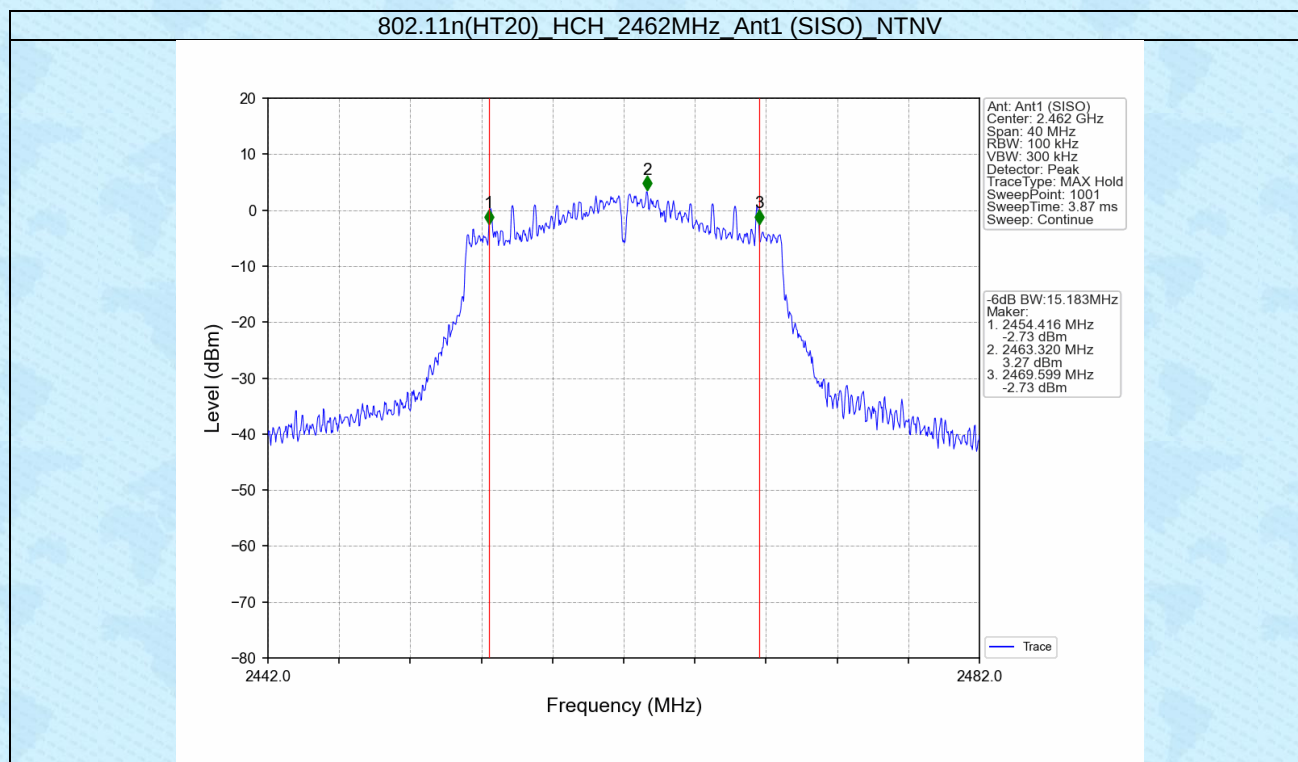


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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







## 2. Maximum Conducted Output Power

### 2.1 Test Result

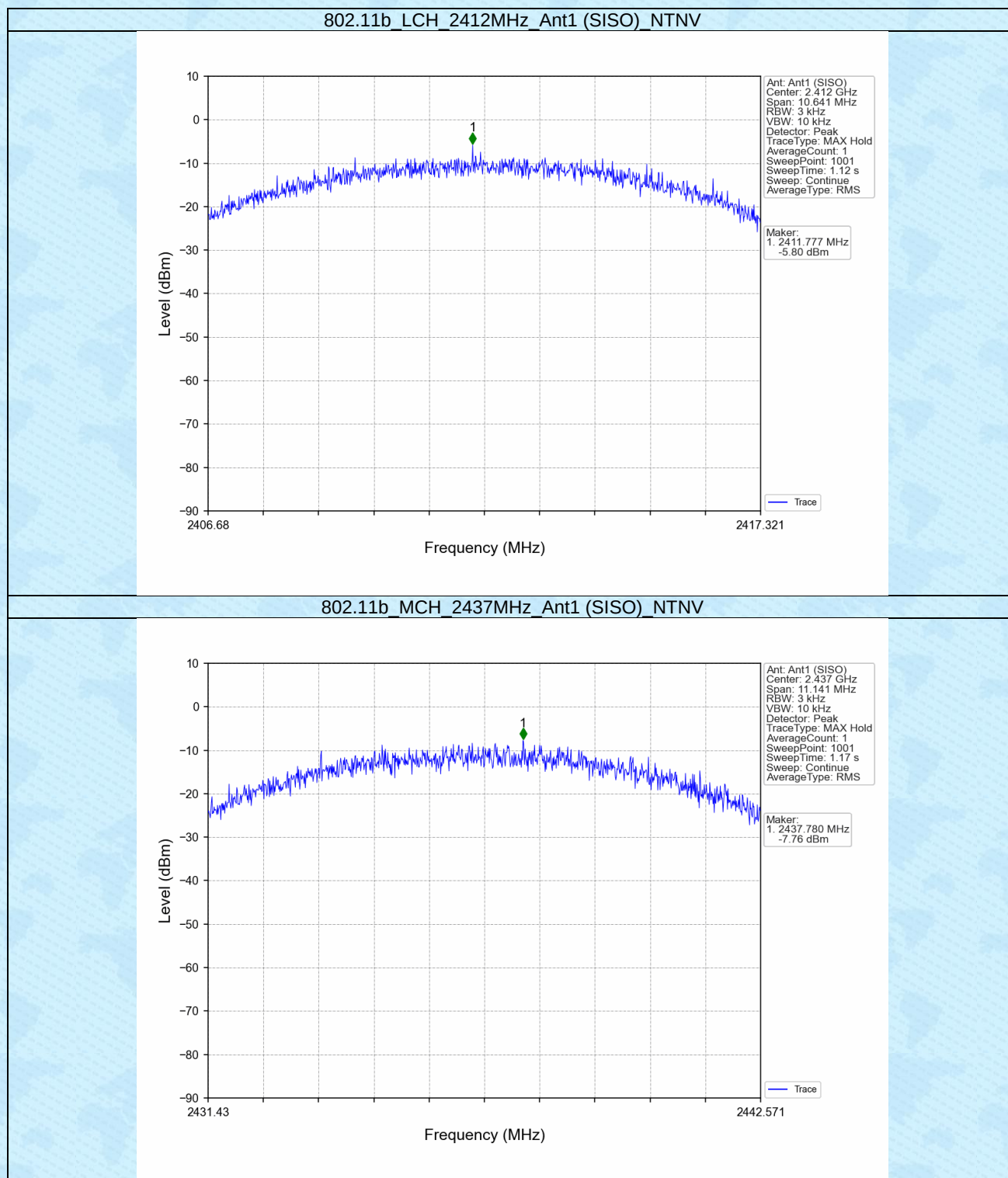
| Mode           | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |           | Verdict |
|----------------|---------|-----------------|-------------------------------------------|-----------|---------|
|                |         |                 | ANT1                                      | Limit     |         |
| 802.11b        | SISO    | 2412            | 19.76                                     | $\leq 30$ | Pass    |
|                |         | 2437            | 20.10                                     | $\leq 30$ | Pass    |
|                |         | 2462            | 20.29                                     | $\leq 30$ | Pass    |
| 802.11g        | SISO    | 2412            | 20.93                                     | $\leq 30$ | Pass    |
|                |         | 2437            | 21.10                                     | $\leq 30$ | Pass    |
|                |         | 2462            | 21.43                                     | $\leq 30$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 20.17                                     | $\leq 30$ | Pass    |
|                |         | 2437            | 20.58                                     | $\leq 30$ | Pass    |
|                |         | 2462            | 20.77                                     | $\leq 30$ | Pass    |

### 3. Maximum Power Spectral Density

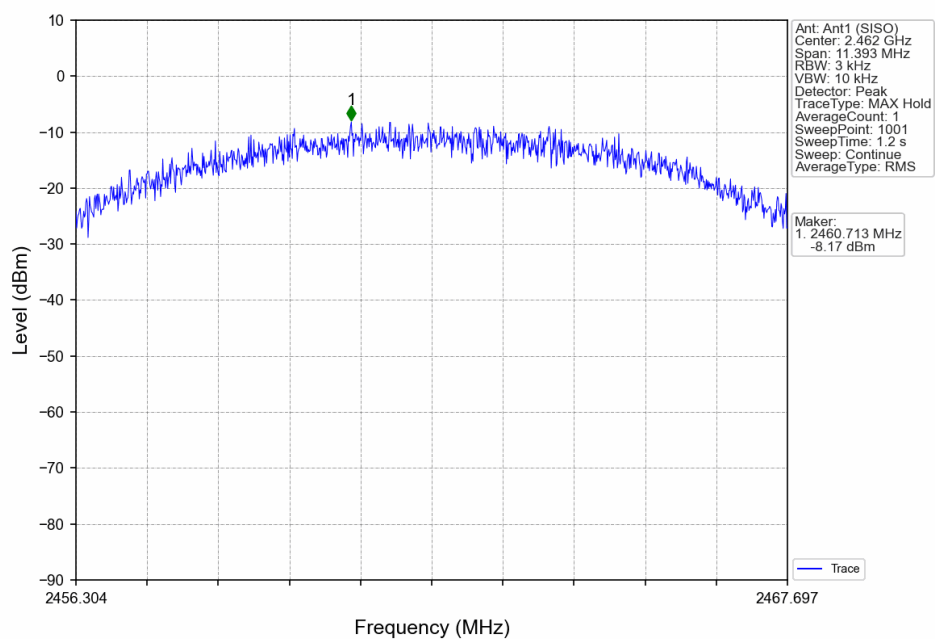
#### 3.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -5.80                  | <=8   | Pass    |
|                |         | 2437            | -7.76                  | <=8   | Pass    |
|                |         | 2462            | -8.17                  | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -12.24                 | <=8   | Pass    |
|                |         | 2437            | -11.71                 | <=8   | Pass    |
|                |         | 2462            | -11.09                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -11.99                 | <=8   | Pass    |
|                |         | 2437            | -11.34                 | <=8   | Pass    |
|                |         | 2462            | -11.54                 | <=8   | Pass    |

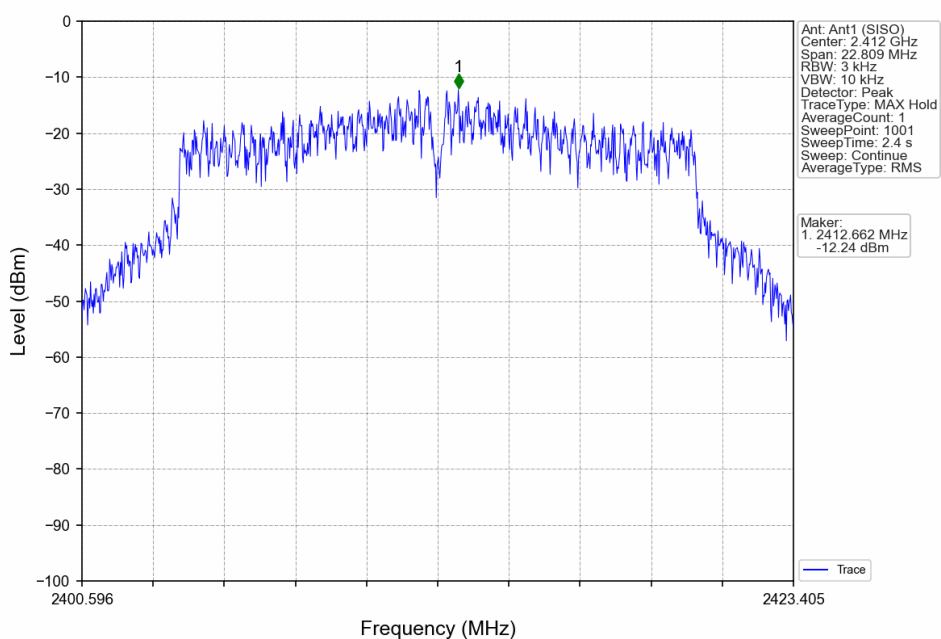
## 3.2 Test Graph



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

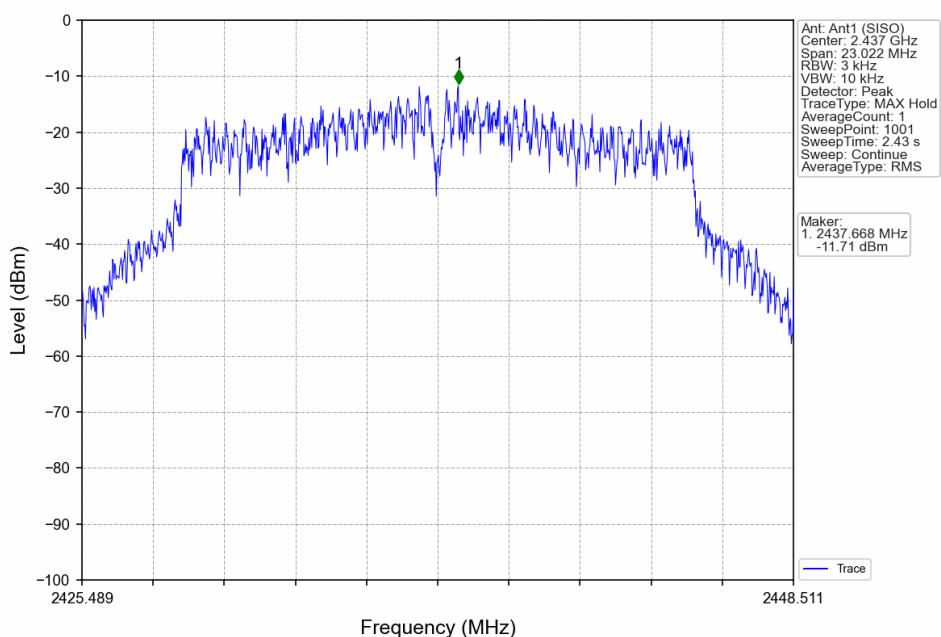


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

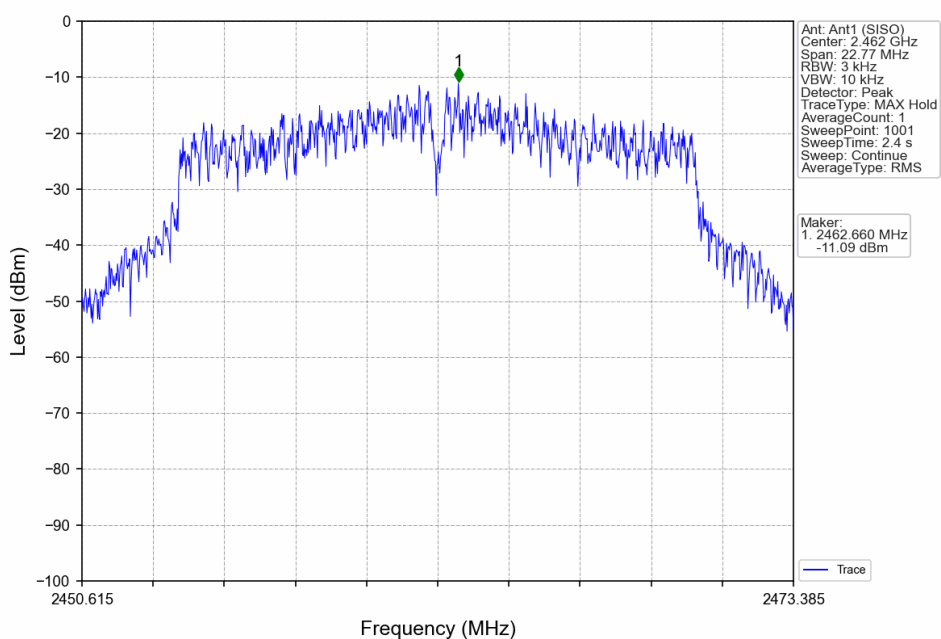




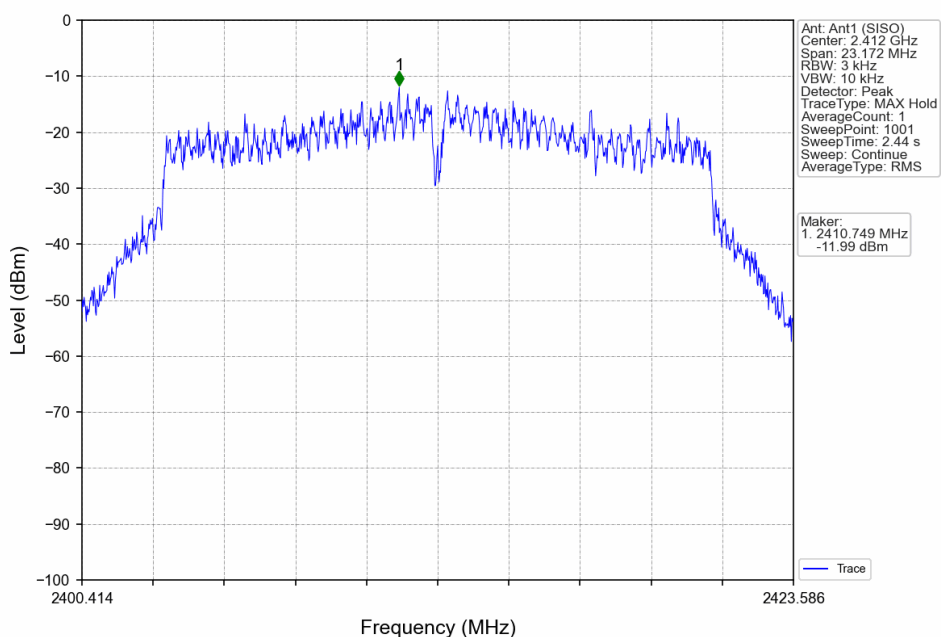
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



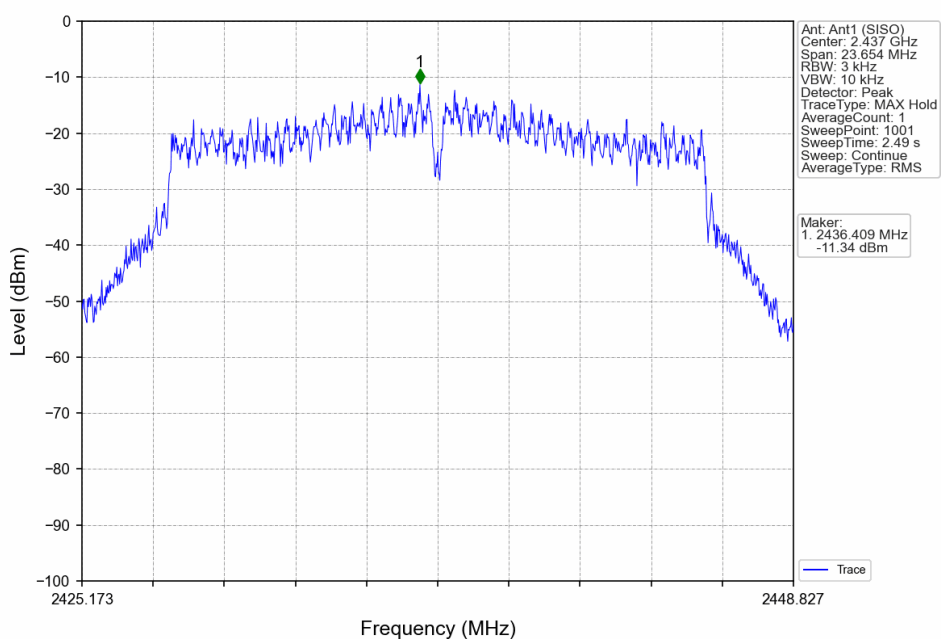
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

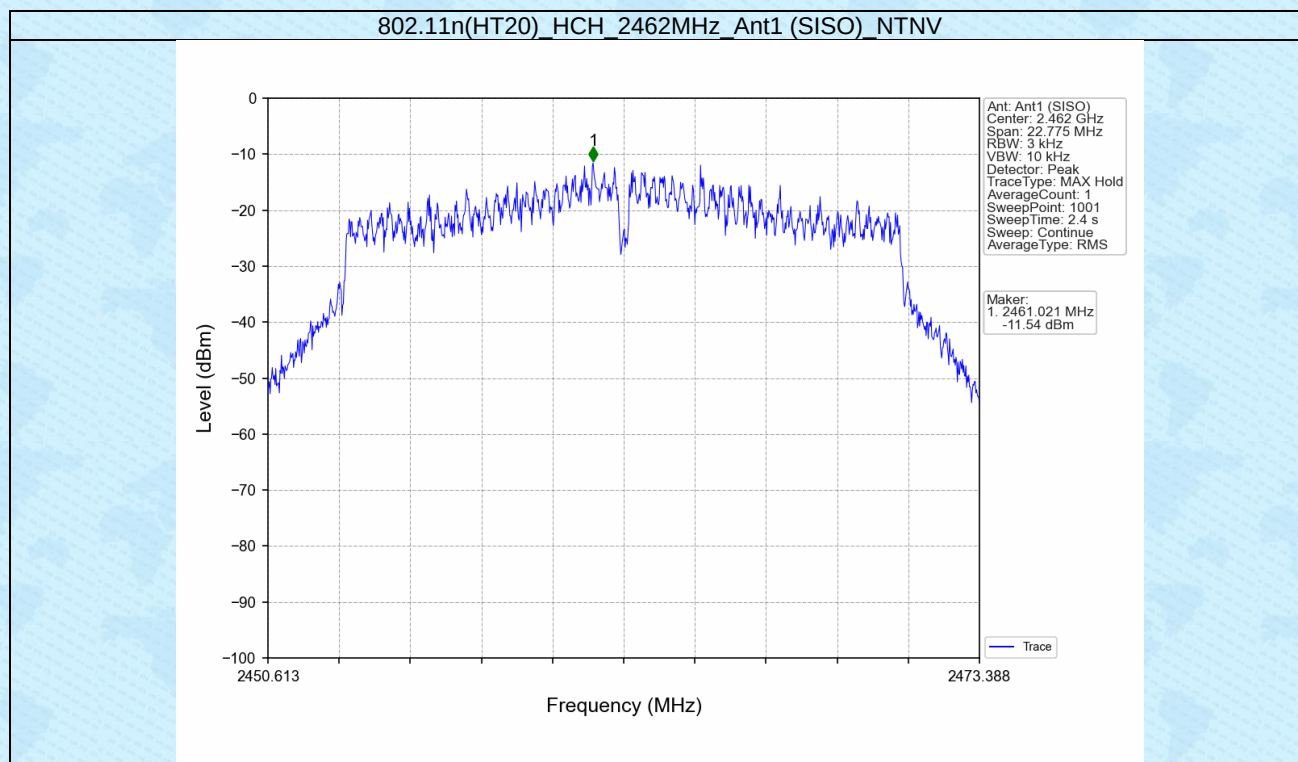


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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





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

### 4.1 Ref

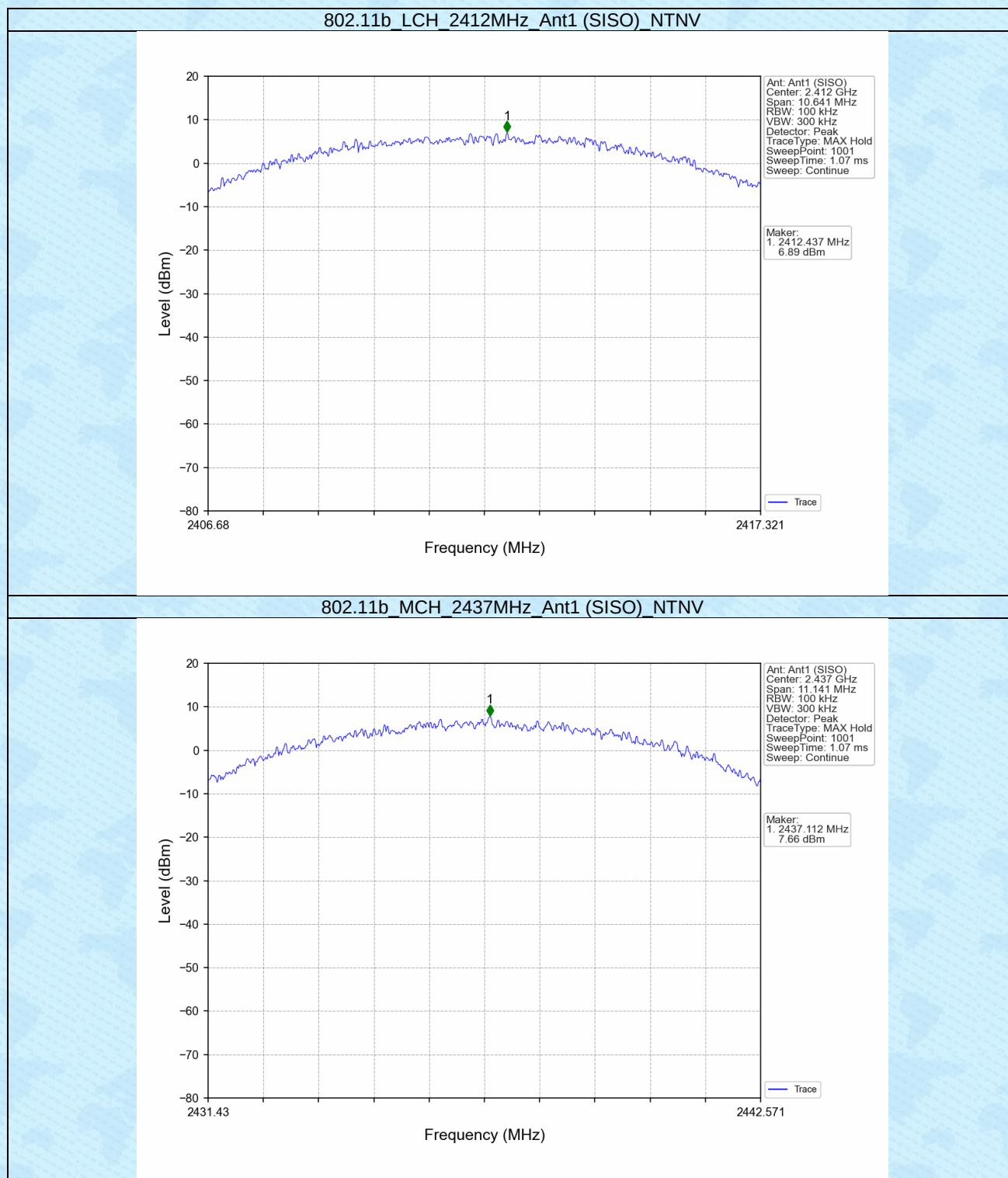
#### 4.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 6.89                     |
|                |         | 2437            | 1   | 7.66                     |
|                |         | 2462            | 1   | 7.83                     |
| 802.11g        | SISO    | 2412            | 1   | 3.21                     |
|                |         | 2437            | 1   | 3.34                     |
|                |         | 2462            | 1   | 3.89                     |
| 802.11n (HT20) | SISO    | 2412            | 1   | 2.52                     |
|                |         | 2437            | 1   | 2.41                     |
|                |         | 2462            | 1   | 3.06                     |

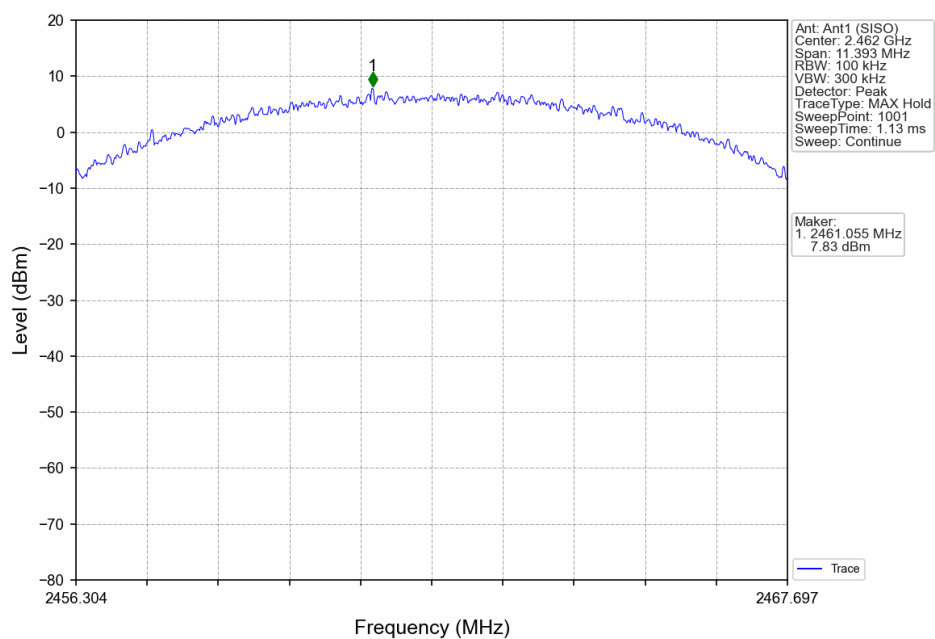
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



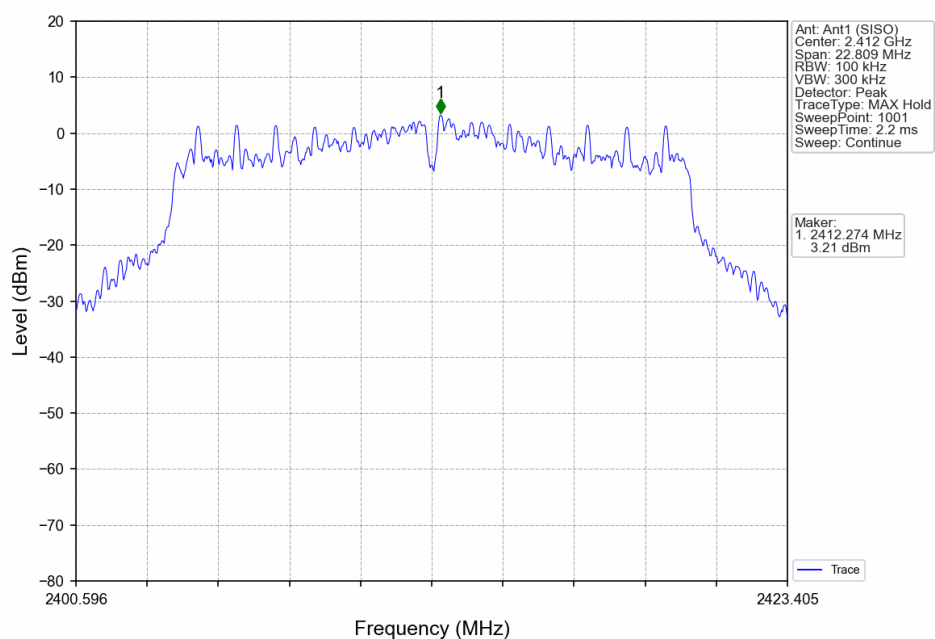
## 4.1.2 Test Graph



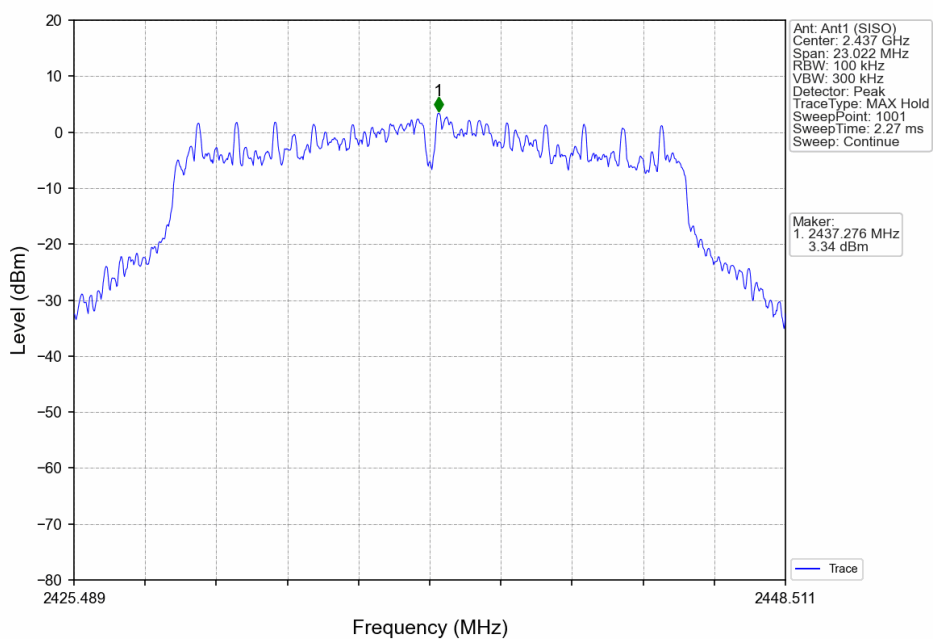
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



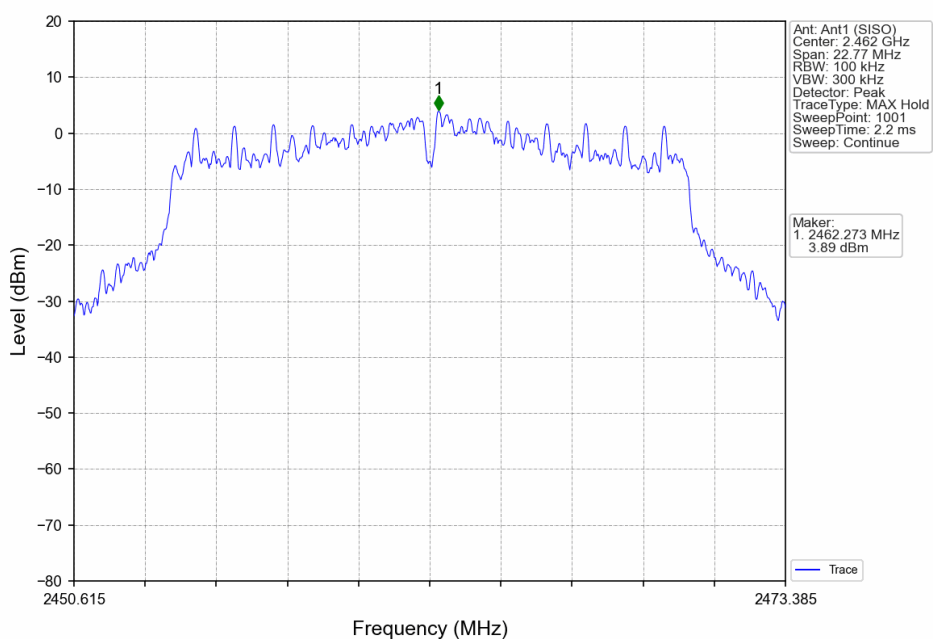
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



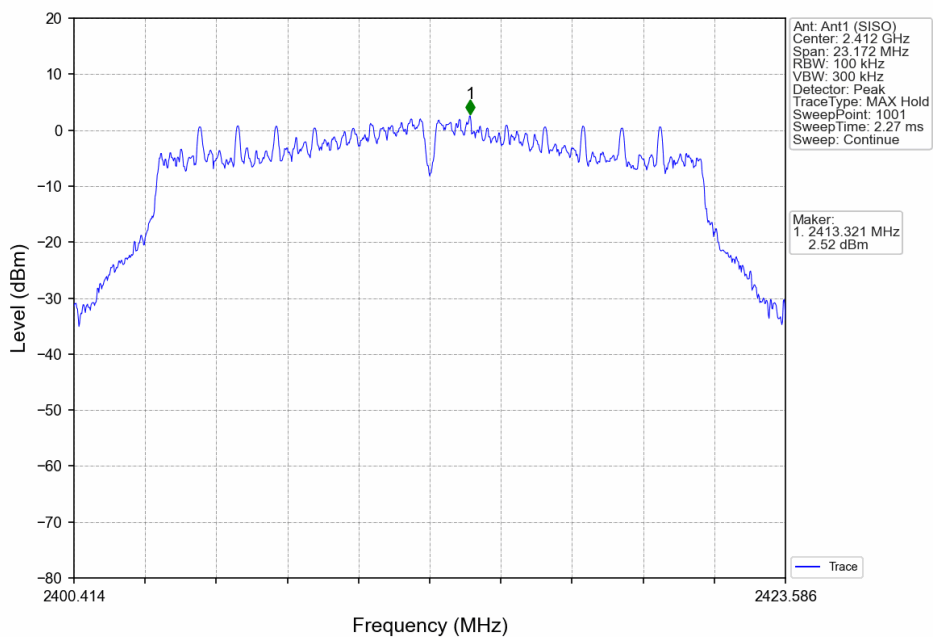
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



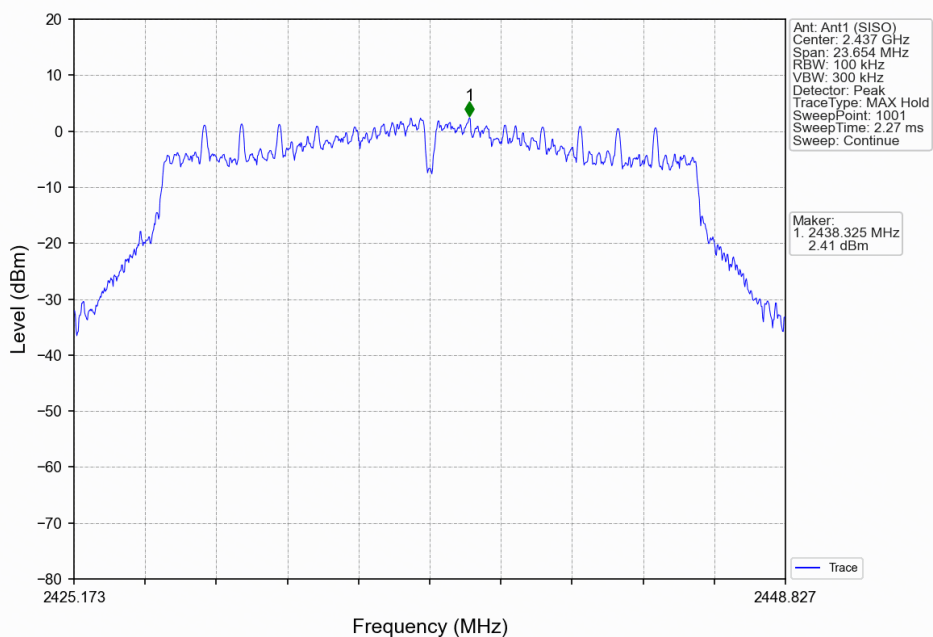
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



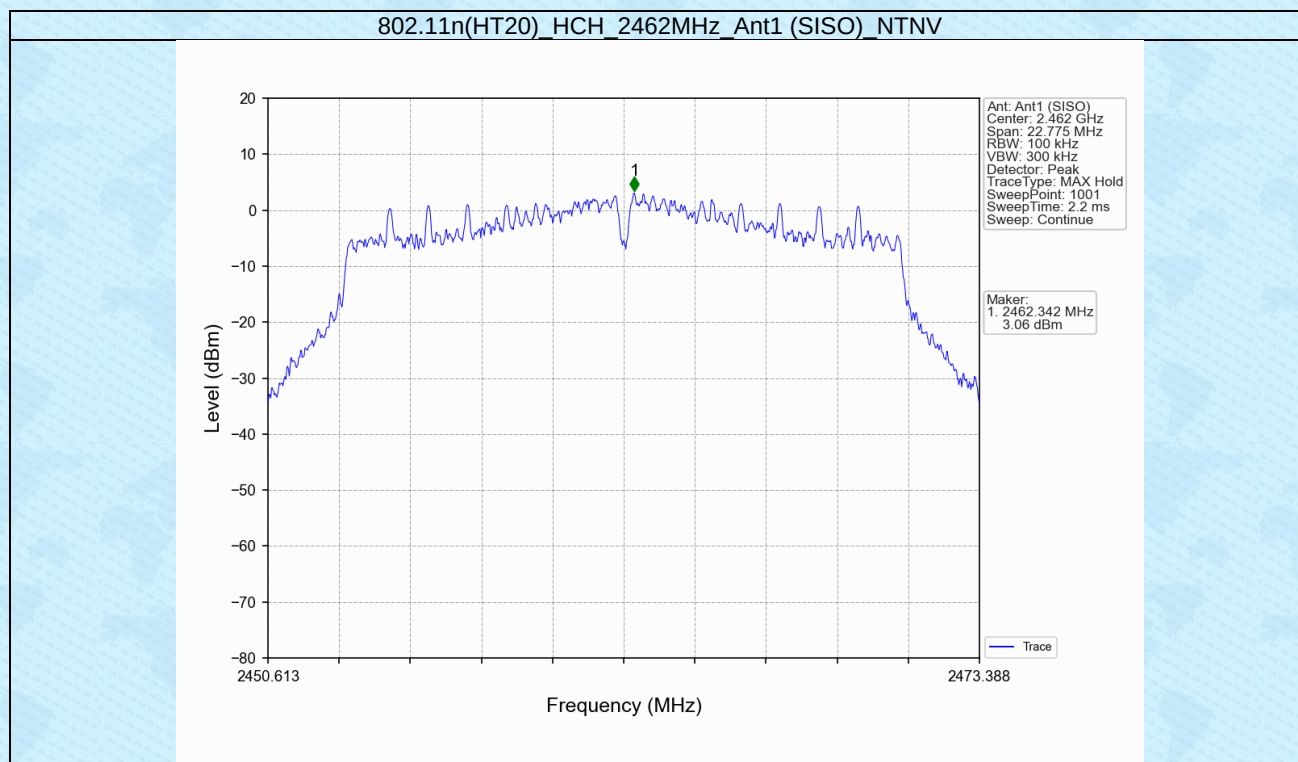
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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







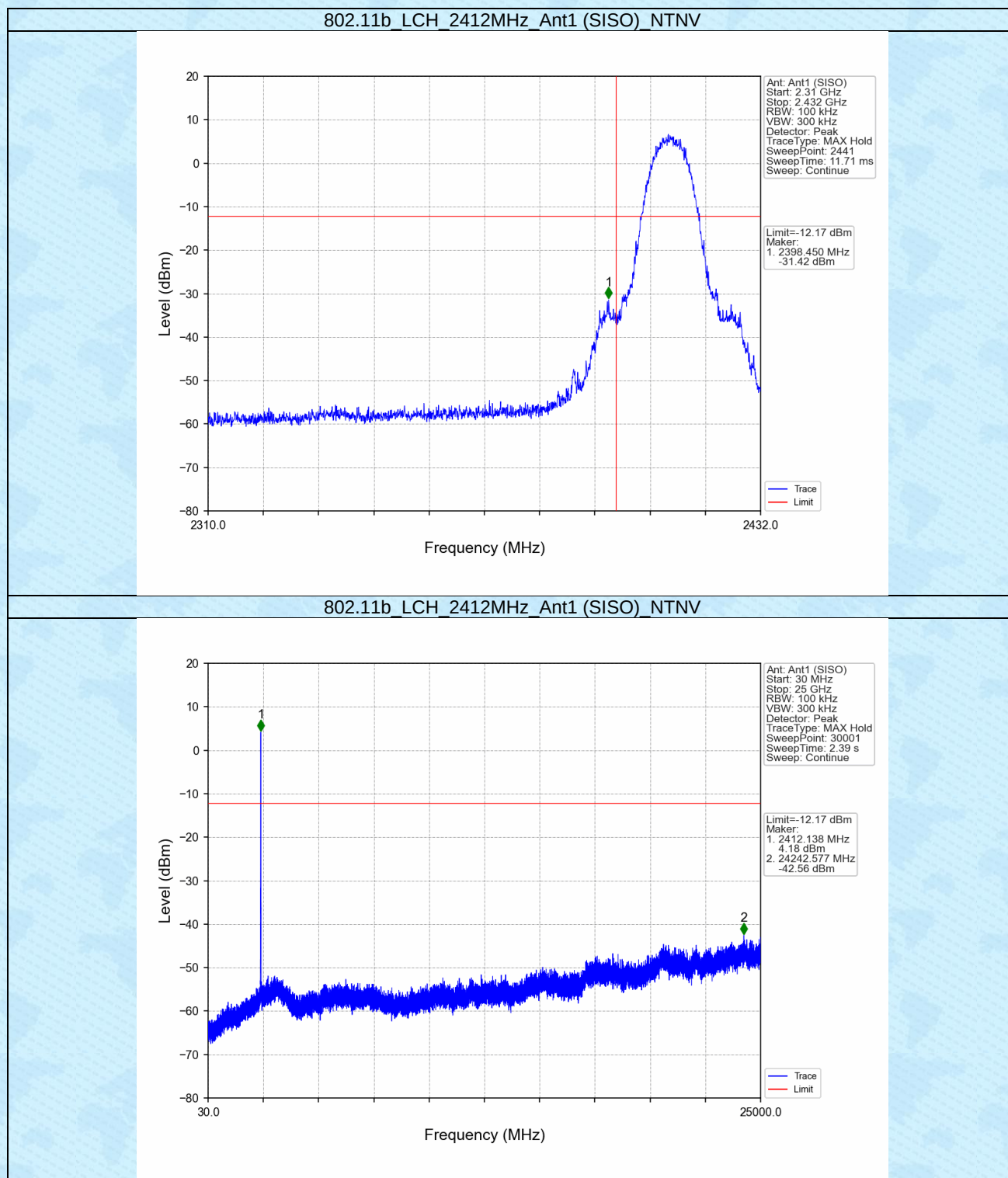
## 4.2 CSE

### 4.2.1 Test Result

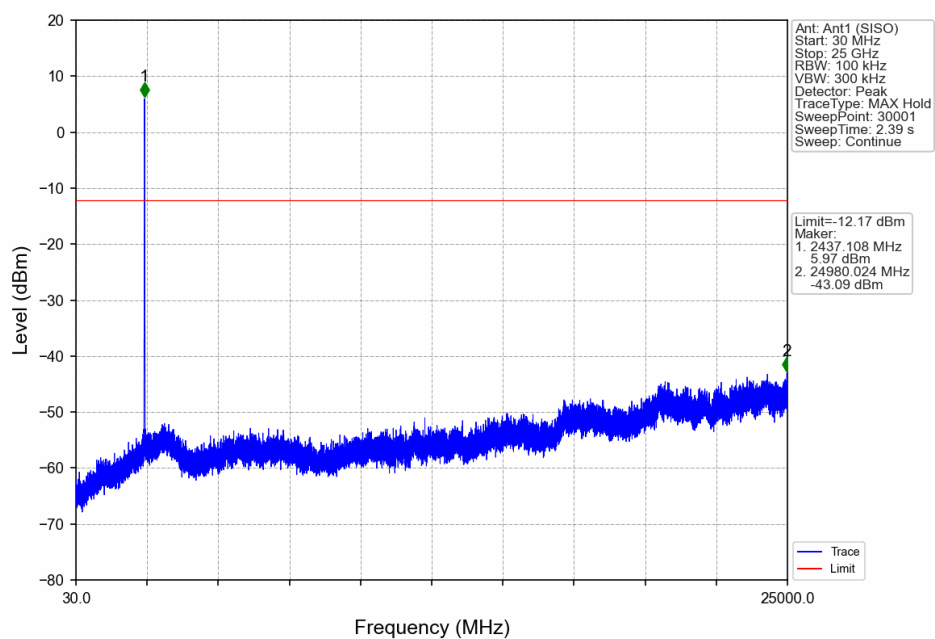
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 7.83                     | -12.17      | Pass    |
|                |         | 2437            | 1   | 7.83                     | -12.17      | Pass    |
|                |         | 2462            | 1   | 7.83                     | -12.17      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 3.89                     | -16.11      | Pass    |
|                |         | 2437            | 1   | 3.89                     | -16.11      | Pass    |
|                |         | 2462            | 1   | 3.89                     | -16.11      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 3.06                     | -16.94      | Pass    |
|                |         | 2437            | 1   | 3.06                     | -16.94      | Pass    |
|                |         | 2462            | 1   | 3.06                     | -16.94      | 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.

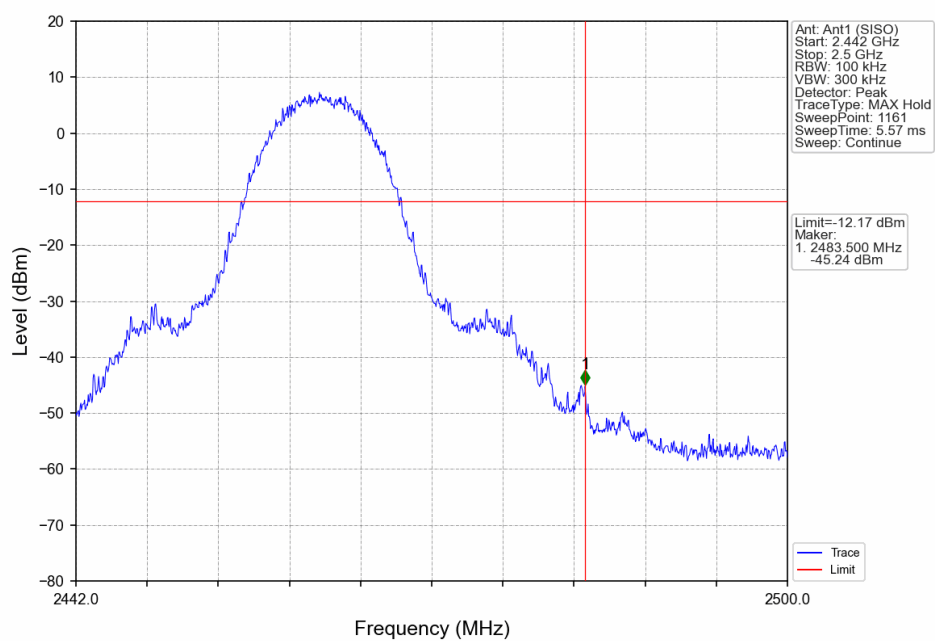
## 4.2.2 Test Graph



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

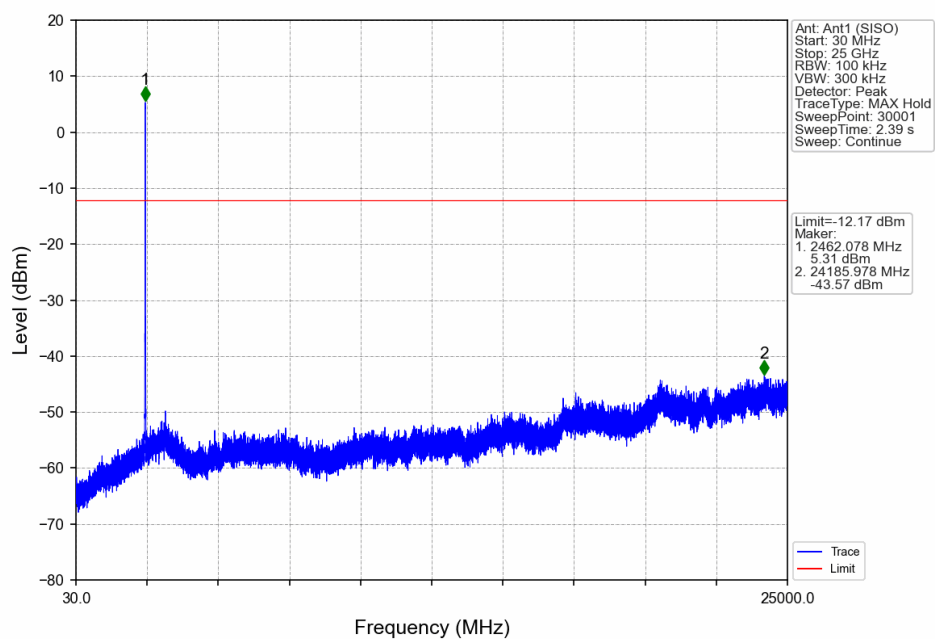


## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

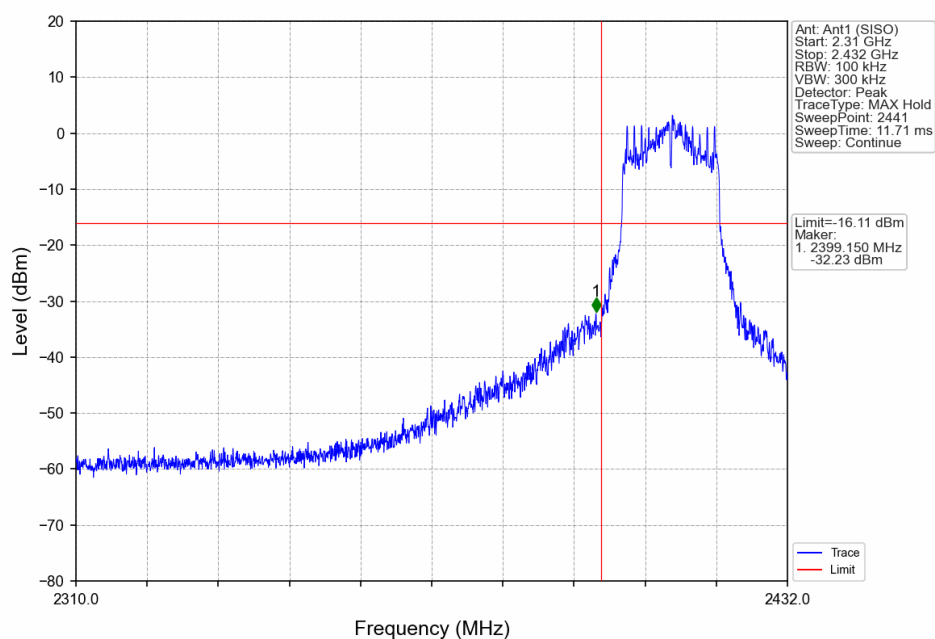




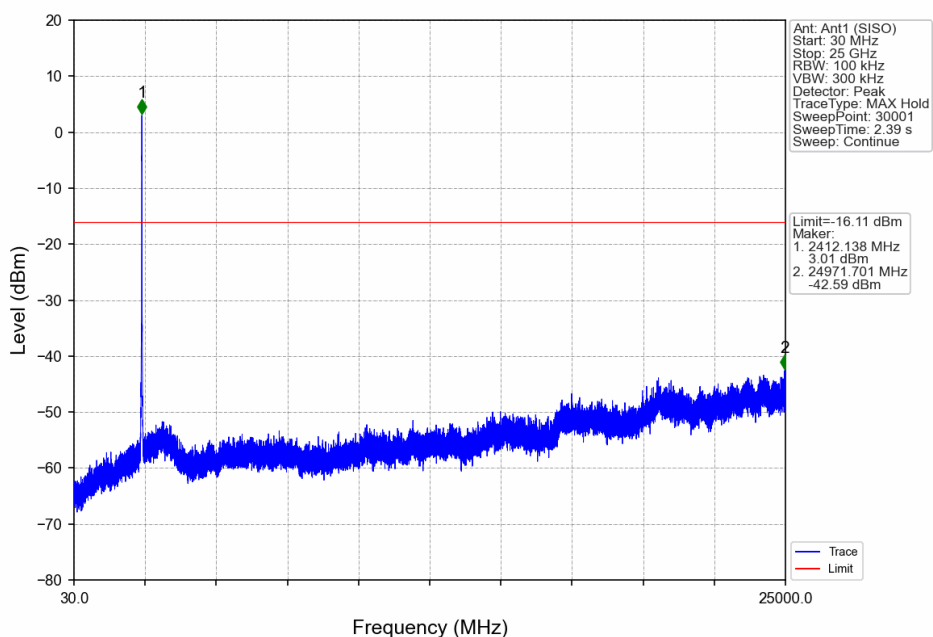
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



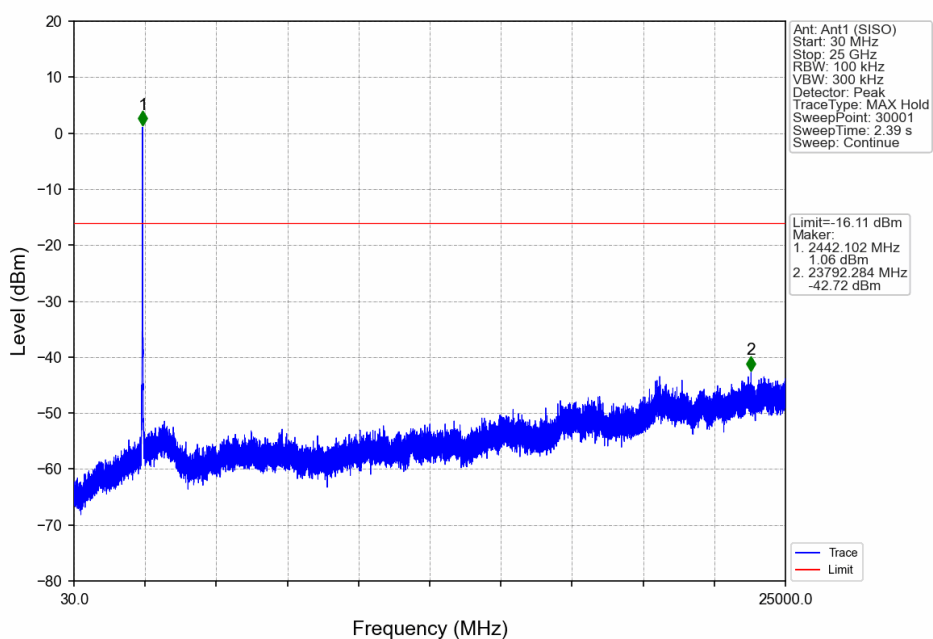
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



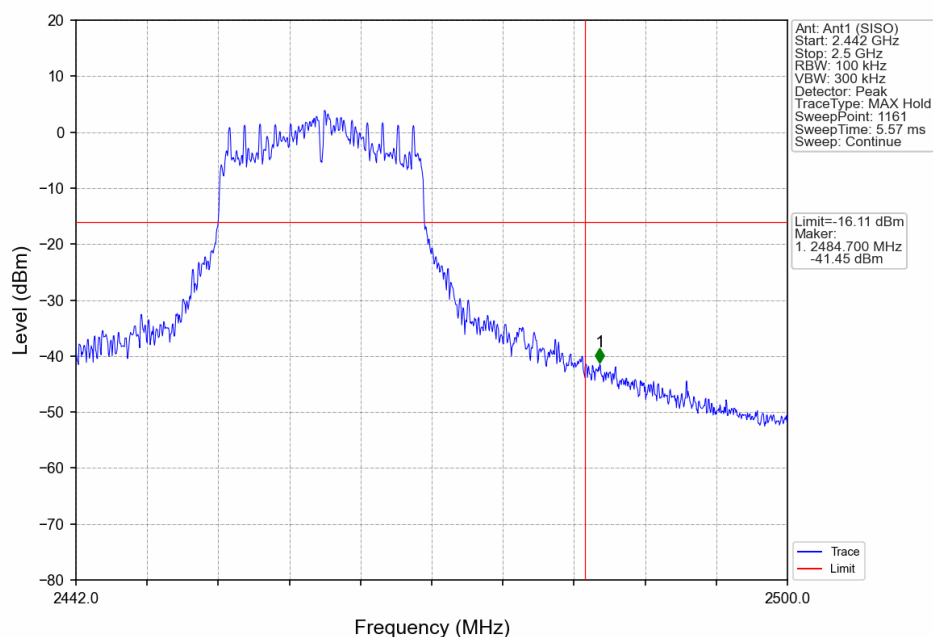
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



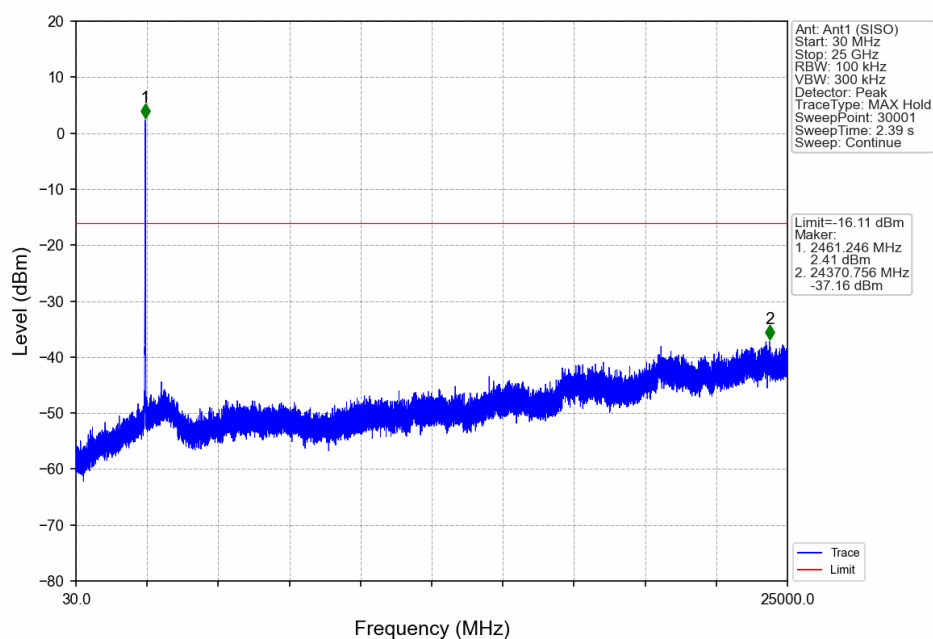
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



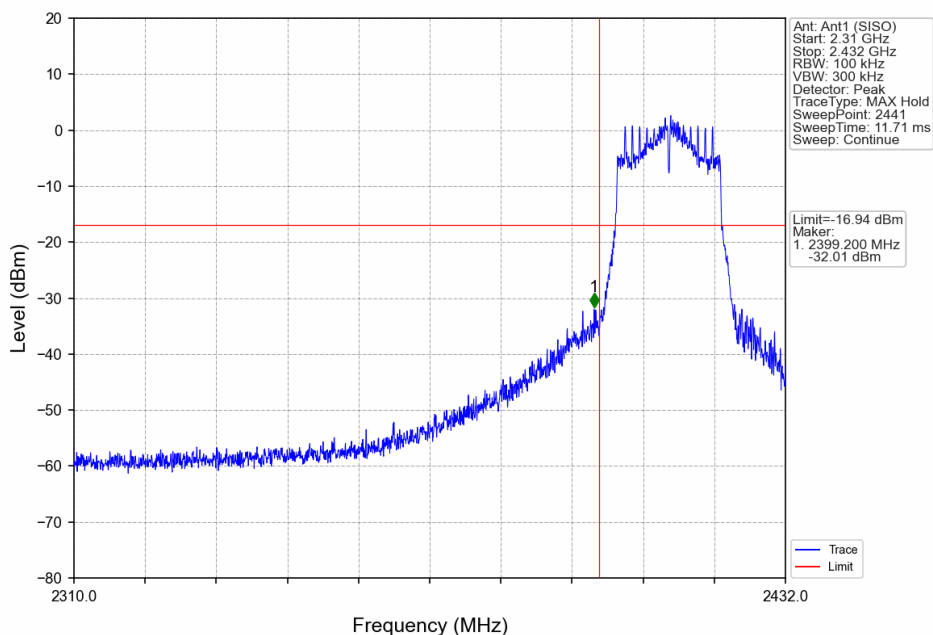
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



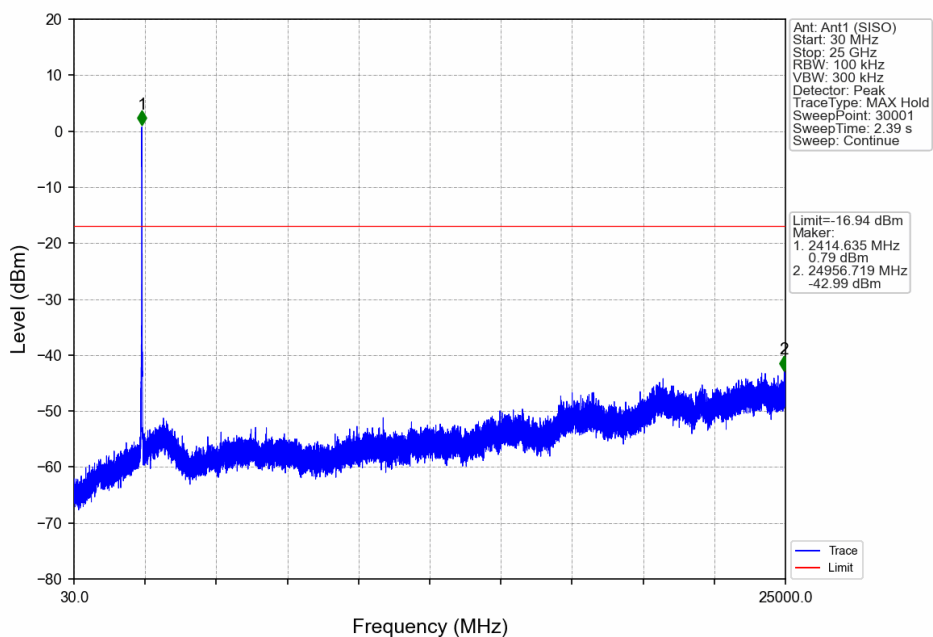
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

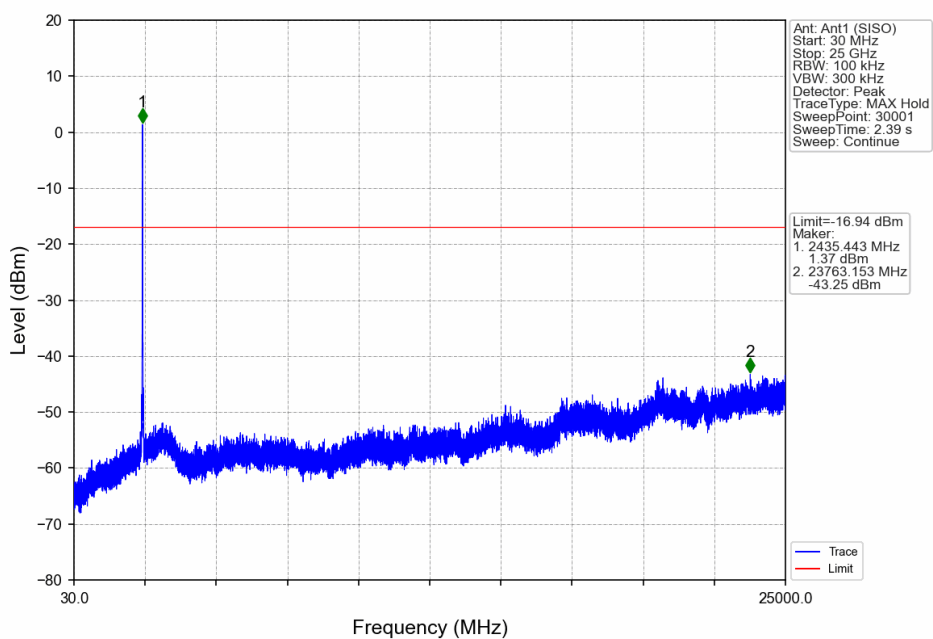


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

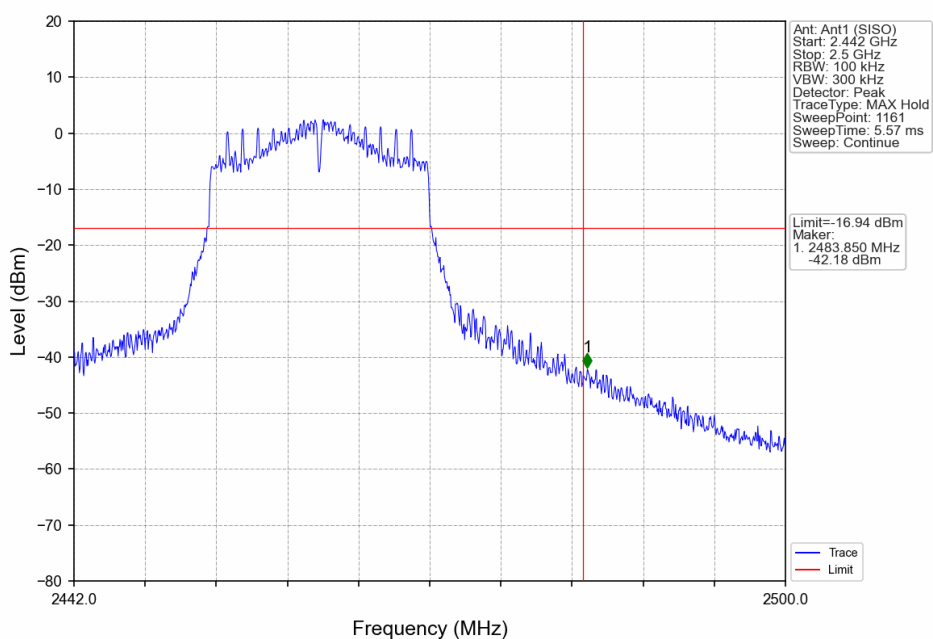


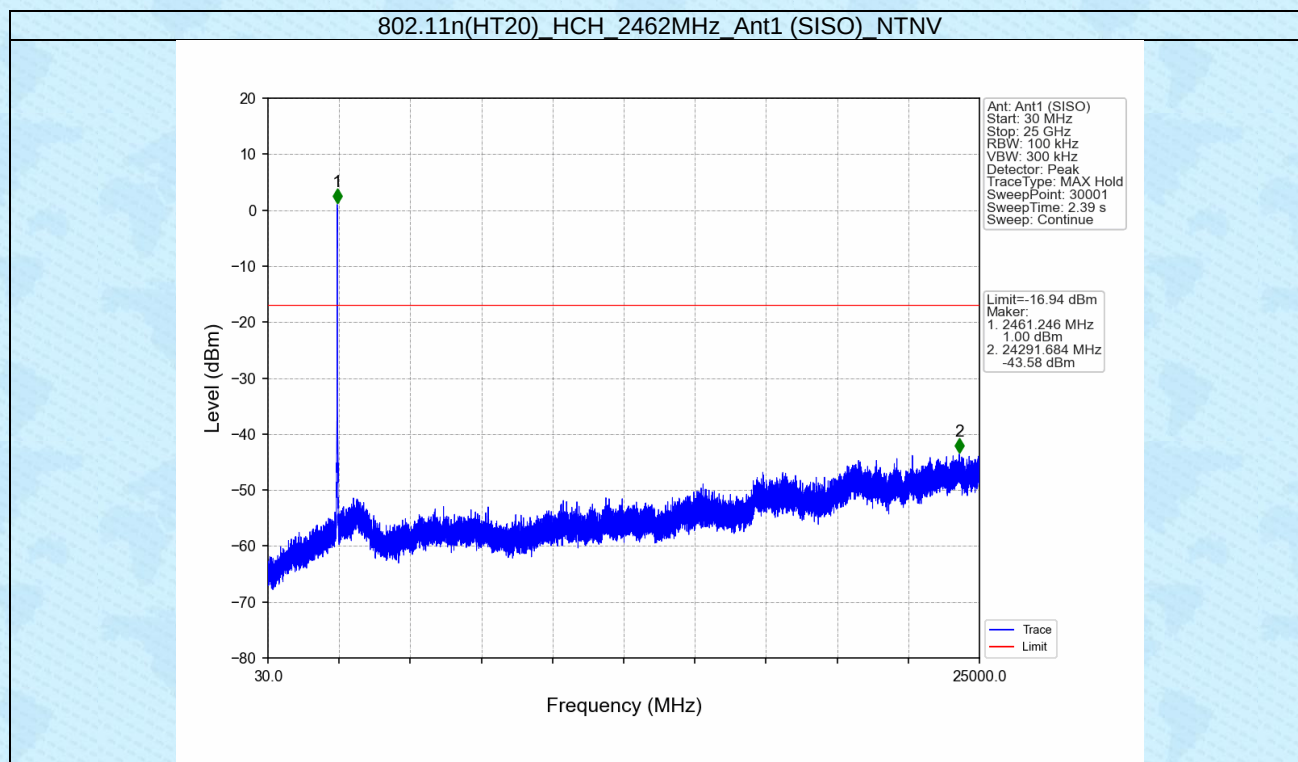


## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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





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