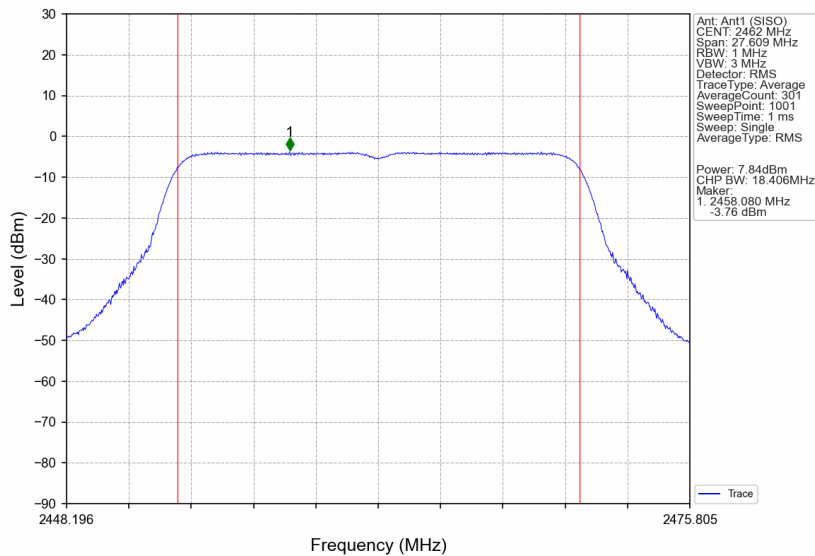
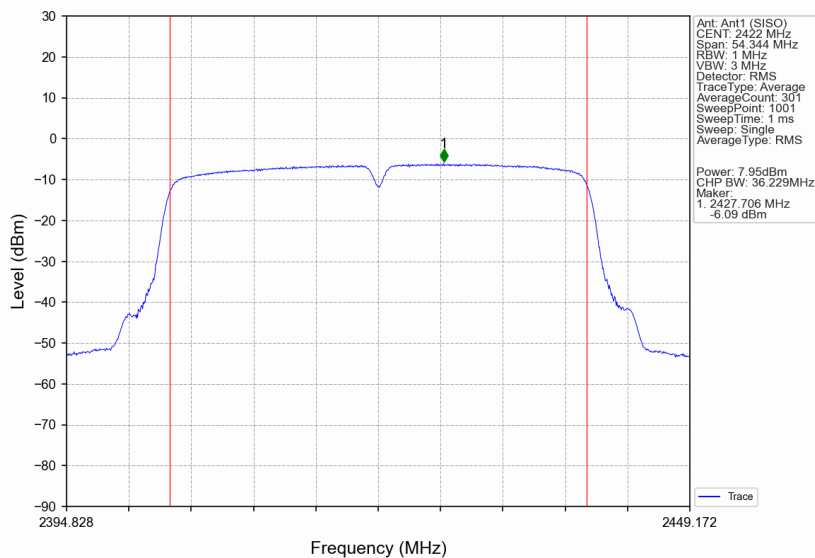


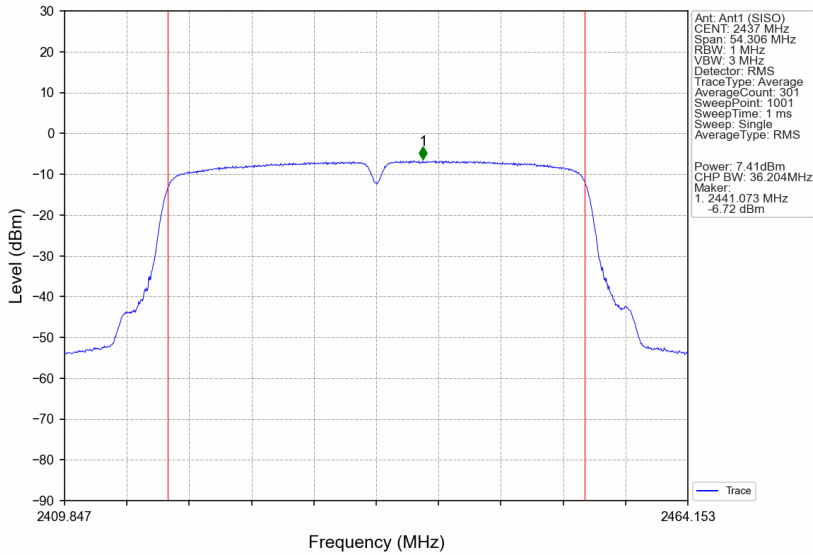
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



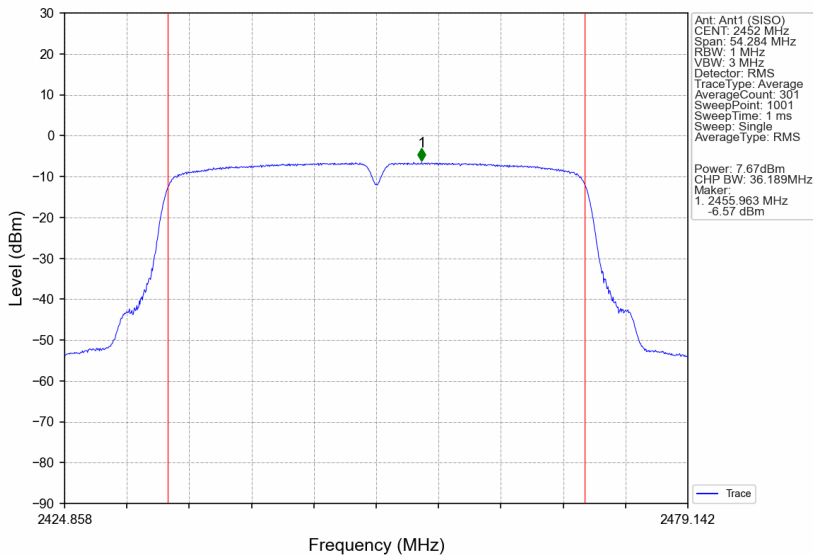
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



## 4. Maximum Power Spectral Density

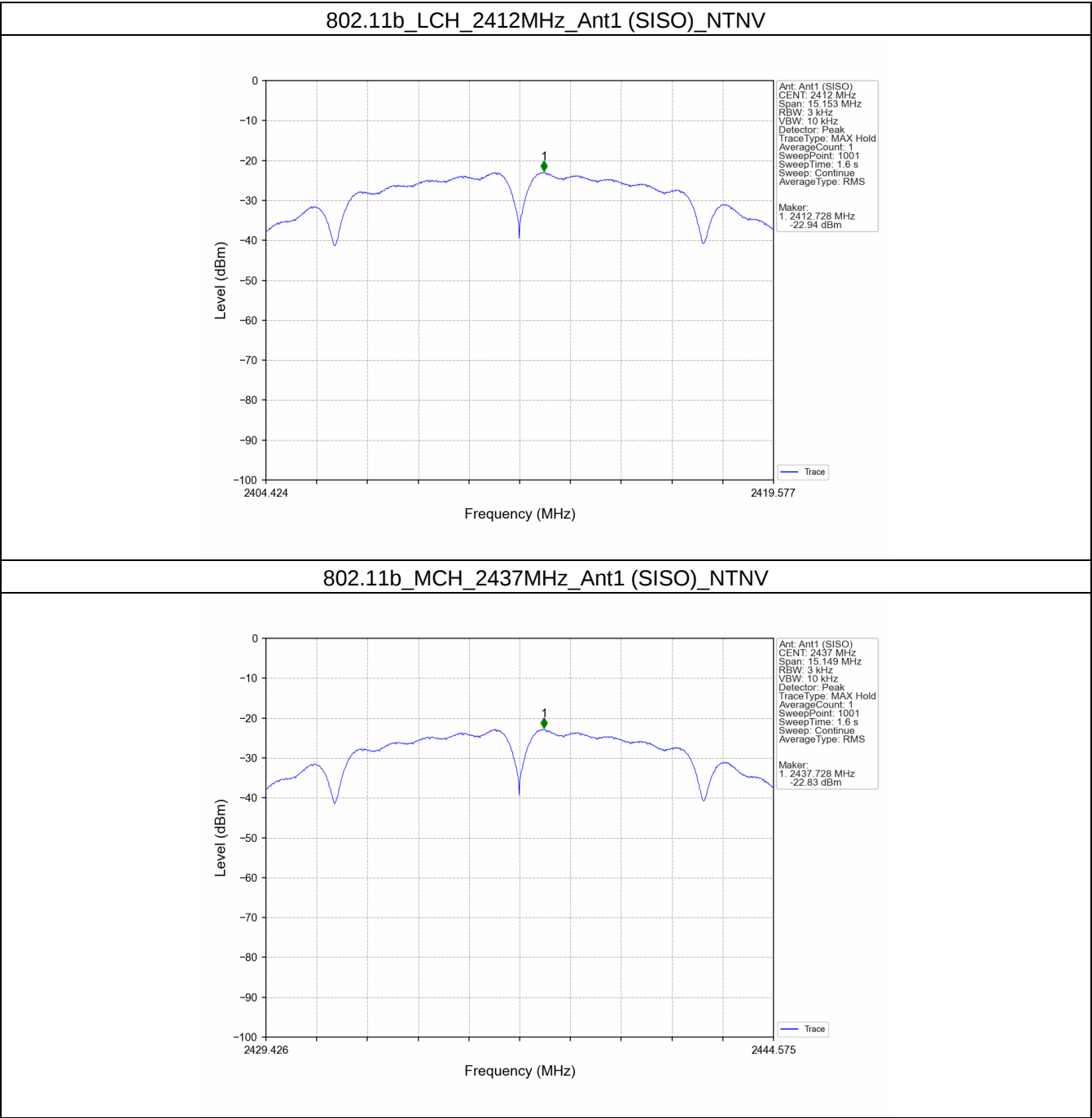
### 4.1 Test Result

#### 4.1.1 PSD

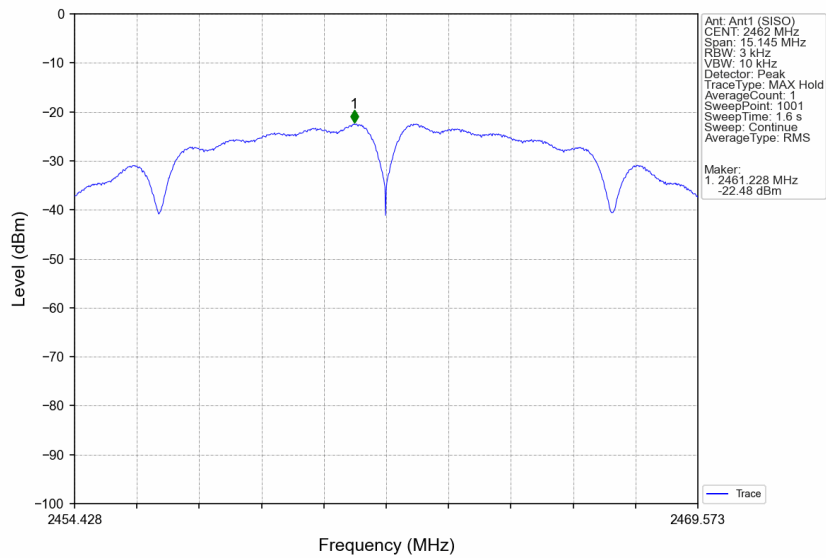
| Mode                                 | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|--------------------------------------|---------|-----------------|------------------------|-------|---------|
|                                      |         |                 | ANT1                   | Limit |         |
| 802.11b                              | SISO    | 2412            | -22.94                 | <=8   | Pass    |
|                                      |         | 2437            | -22.83                 | <=8   | Pass    |
|                                      |         | 2462            | -22.48                 | <=8   | Pass    |
| 802.11g                              | SISO    | 2412            | -20.93                 | <=8   | Pass    |
|                                      |         | 2437            | -21.25                 | <=8   | Pass    |
|                                      |         | 2462            | -21.19                 | <=8   | Pass    |
| 802.11n (HT20)                       | SISO    | 2412            | -20.42                 | <=8   | Pass    |
|                                      |         | 2437            | -20.59                 | <=8   | Pass    |
|                                      |         | 2462            | -20.43                 | <=8   | Pass    |
| 802.11n (HT40)                       | SISO    | 2422            | -21.98                 | <=8   | Pass    |
|                                      |         | 2437            | -21.05                 | <=8   | Pass    |
|                                      |         | 2452            | -20.24                 | <=8   | Pass    |
| Note1: Antenna Gain: Ant1: -3.60dBi; |         |                 |                        |       |         |

### 4.2 Test Graph

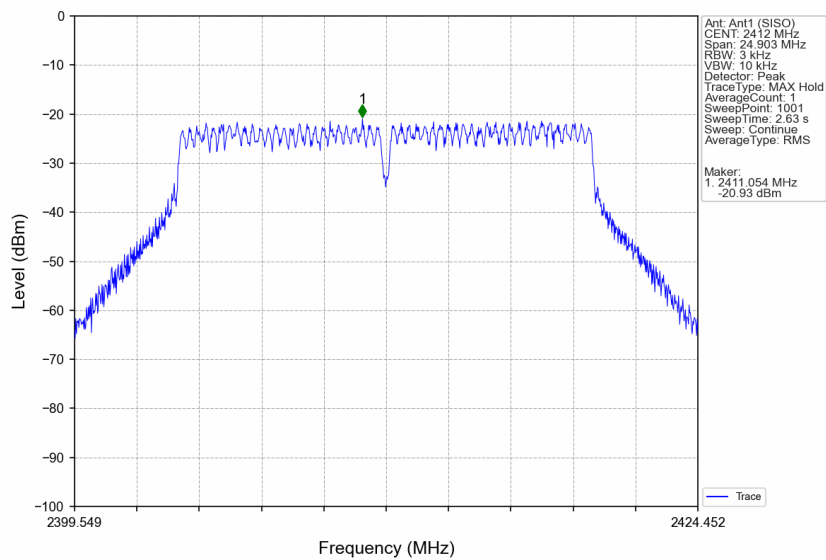
#### 4.2.1 PSD



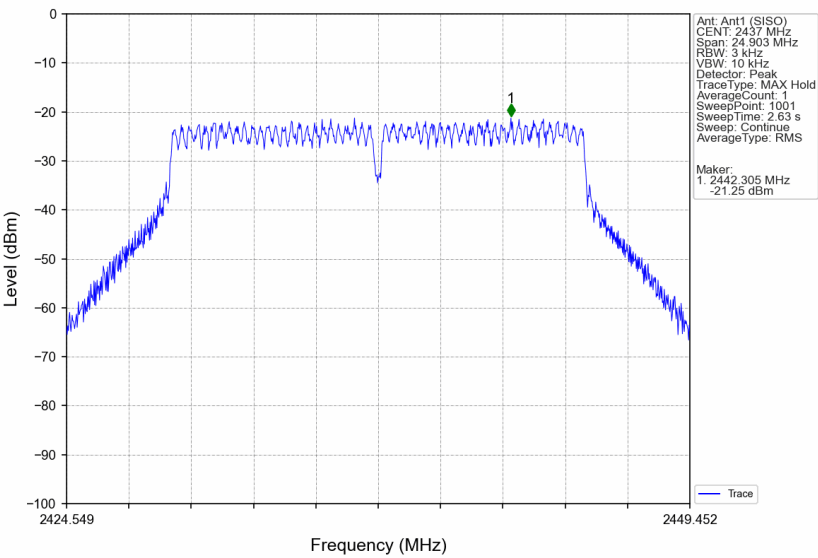
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



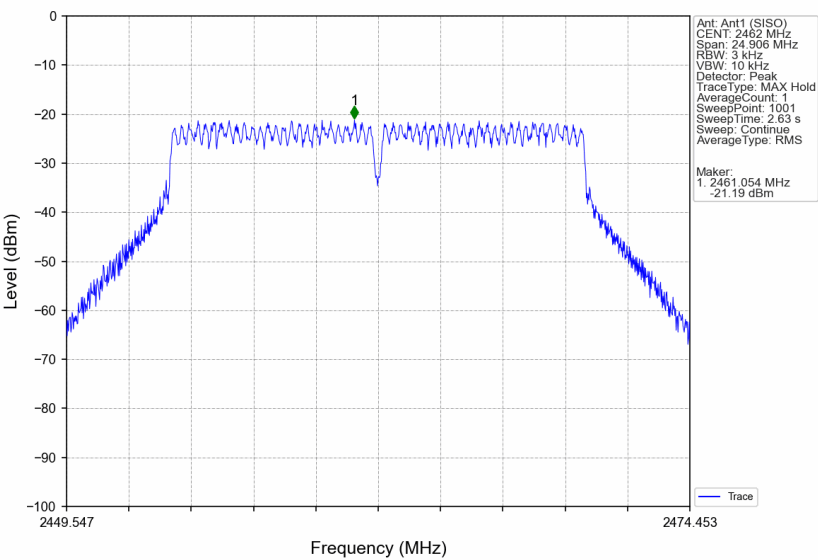
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



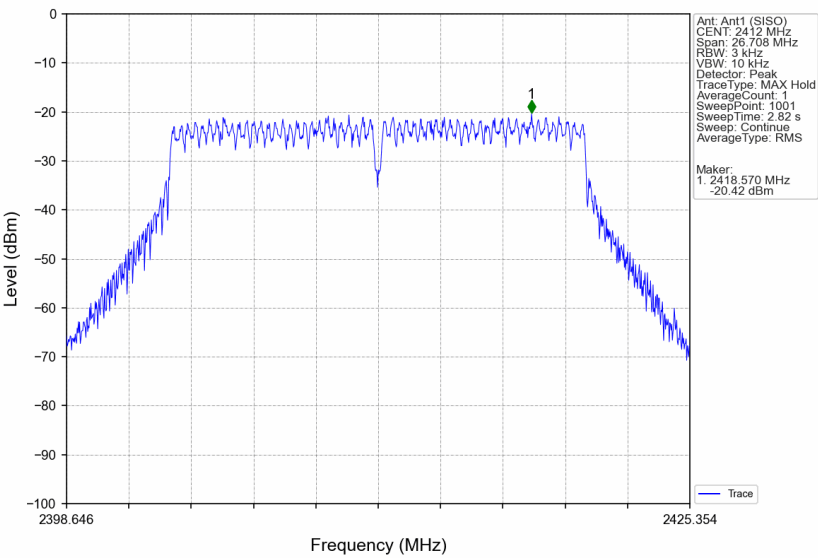
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



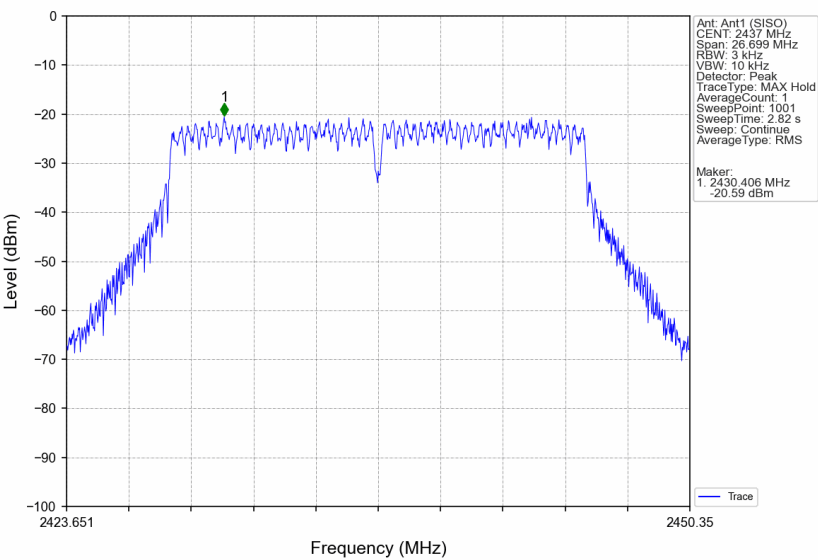
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



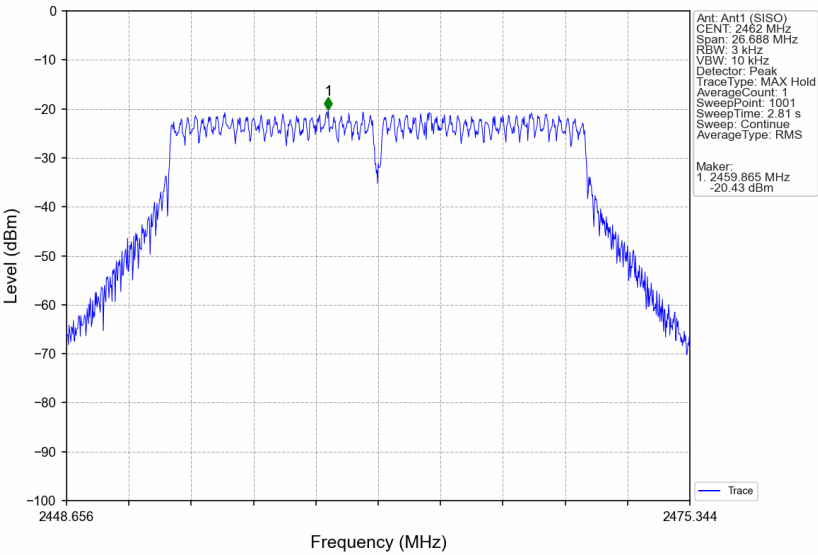
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



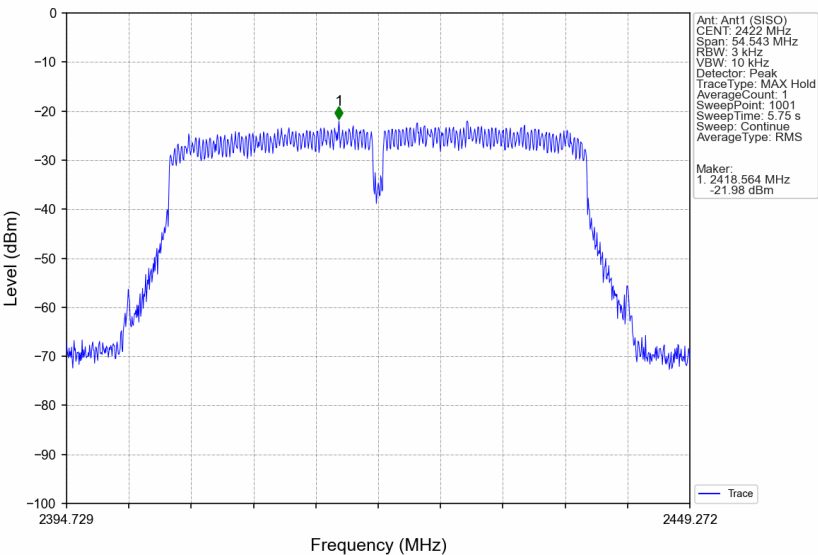
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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



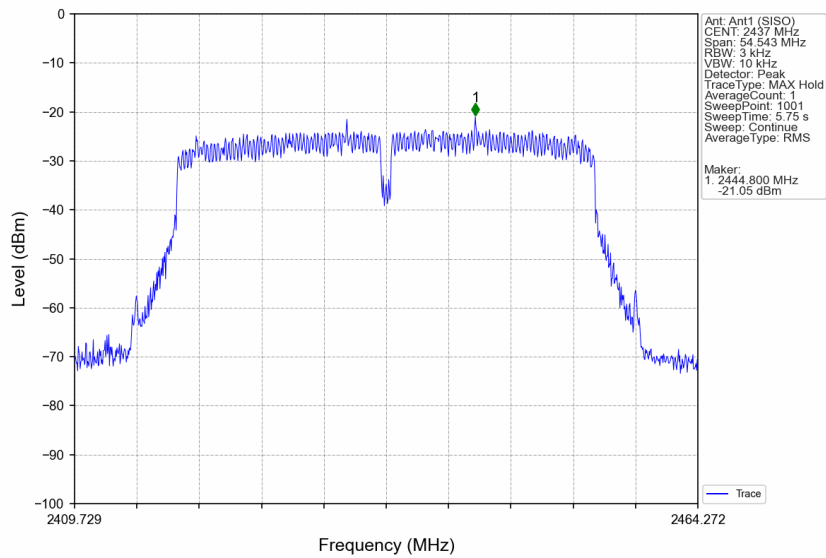
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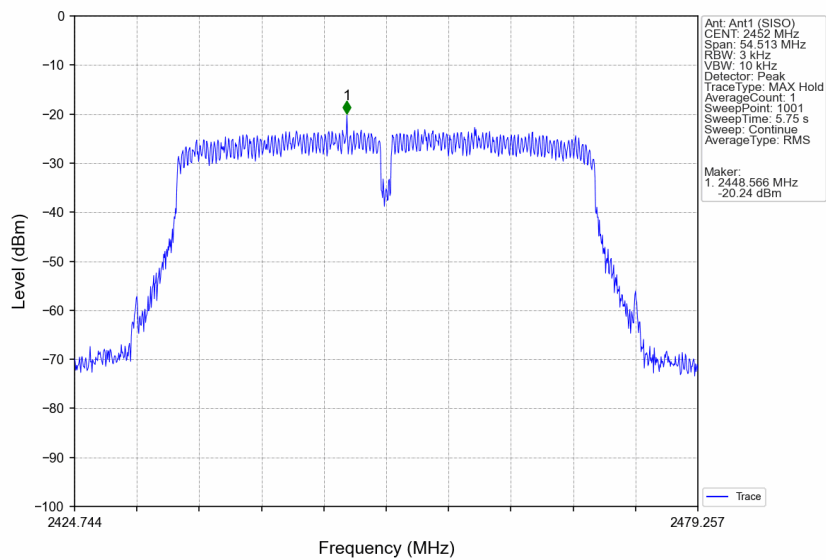
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

### 5.1 Test Result

#### 5.1.1 Ref

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | -3.03                    |
|                |         | 2437            | 1   | -2.91                    |
|                |         | 2462            | 1   | -2.54                    |
| 802.11g        | SISO    | 2412            | 1   | -6.91                    |
|                |         | 2437            | 1   | -7.12                    |
|                |         | 2462            | 1   | -6.81                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -6.57                    |
|                |         | 2437            | 1   | -6.51                    |
|                |         | 2462            | 1   | -6.15                    |
| 802.11n (HT40) | SISO    | 2422            | 1   | -17.51                   |
|                |         | 2437            | 1   | -17.96                   |
|                |         | 2452            | 1   | -17.62                   |

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.

#### 5.1.2 CSE

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | -2.54                    | -32.54      | Pass    |
|                |         | 2437            | 1   | -2.54                    | -32.54      | Pass    |
|                |         | 2462            | 1   | -2.54                    | -32.54      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -6.81                    | -36.81      | Pass    |
|                |         | 2437            | 1   | -6.81                    | -36.81      | Pass    |
|                |         | 2462            | 1   | -6.81                    | -36.81      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -6.15                    | -36.15      | Pass    |
|                |         | 2437            | 1   | -6.15                    | -36.15      | Pass    |
|                |         | 2462            | 1   | -6.15                    | -36.15      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | -17.51                   | -47.51      | Pass    |
|                |         | 2437            | 1   | -17.51                   | -47.51      | Pass    |
|                |         | 2452            | 1   | -17.51                   | -47.51      | 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.



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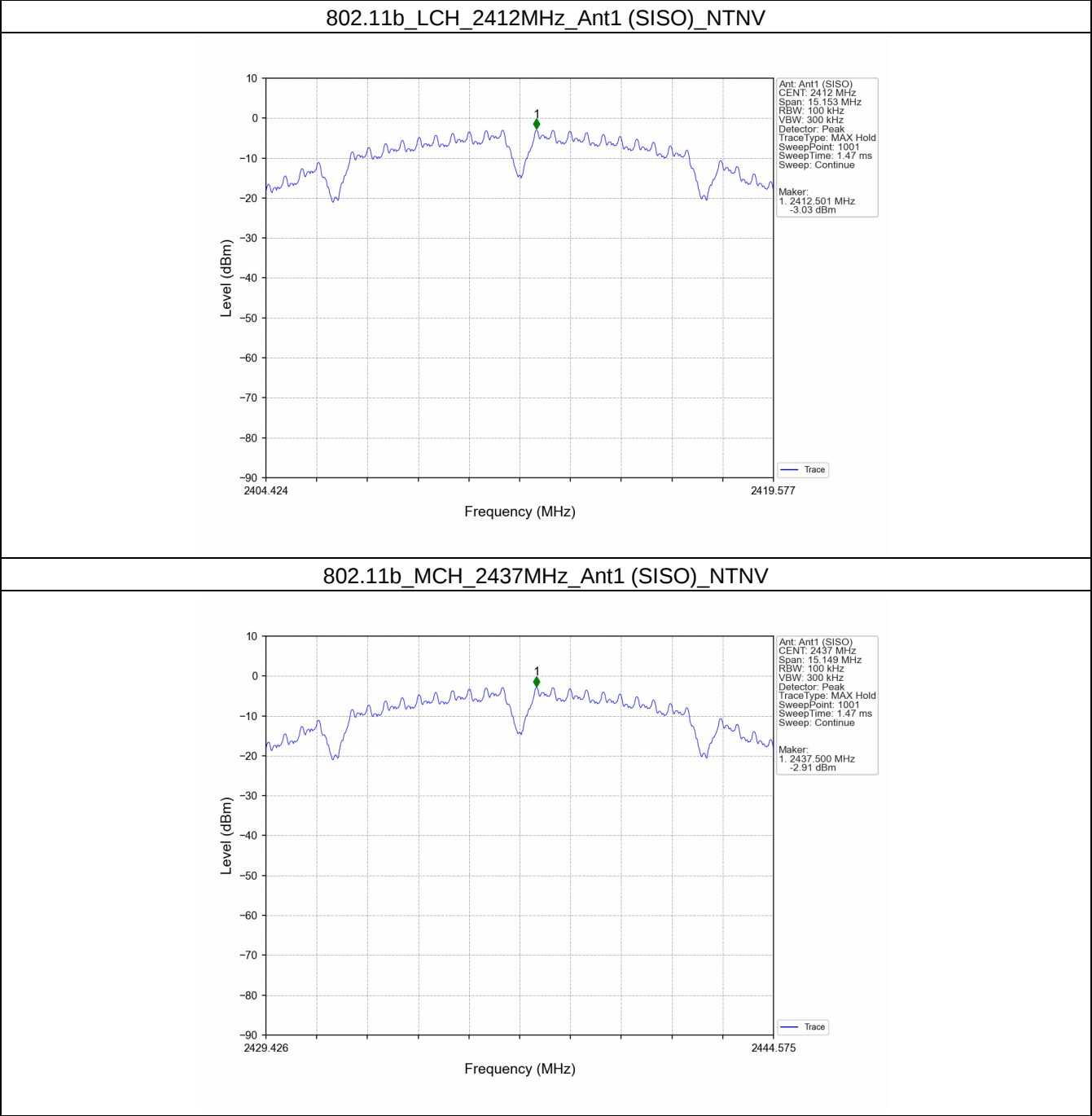
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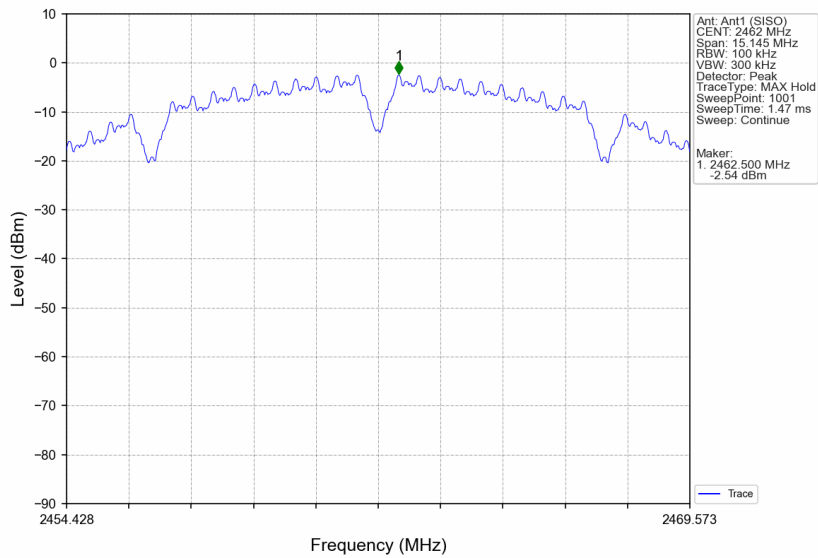
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### 5.2 Test Graph

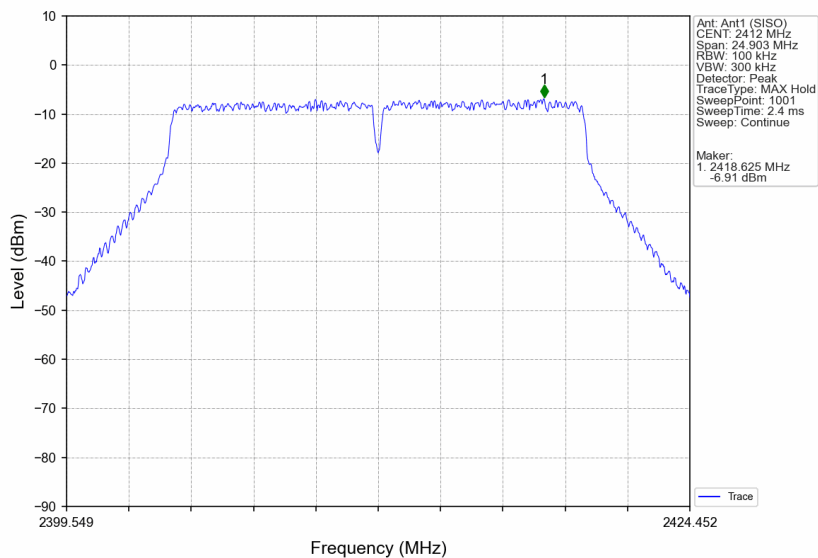
#### 5.2.1 Ref



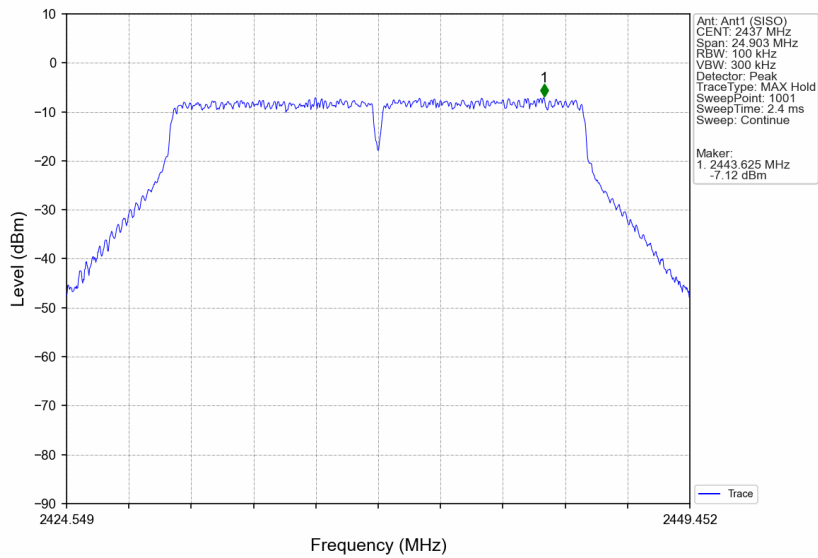
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



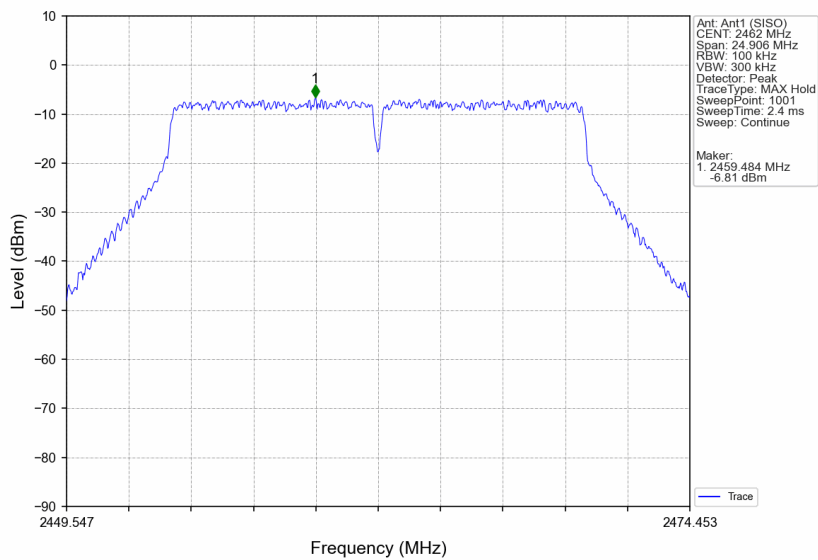
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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



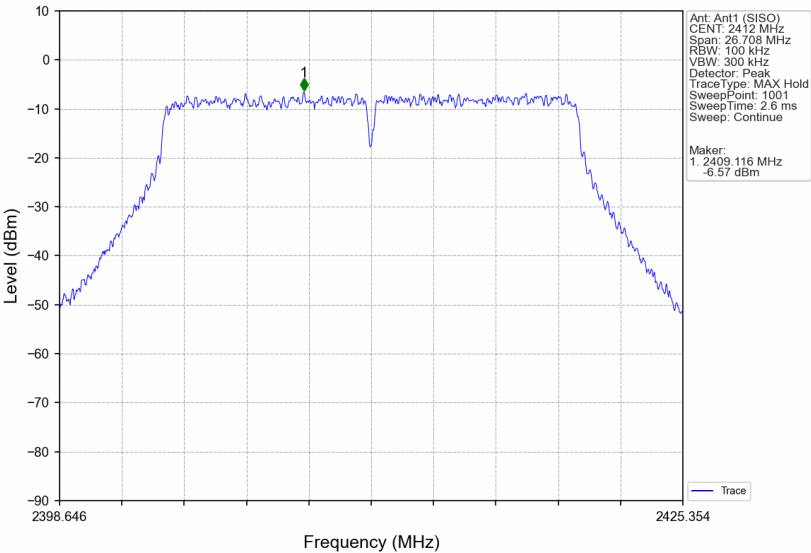
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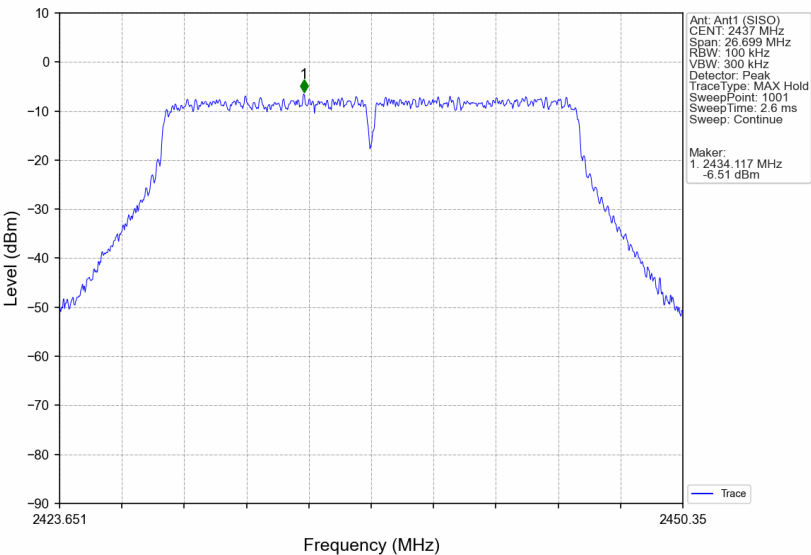
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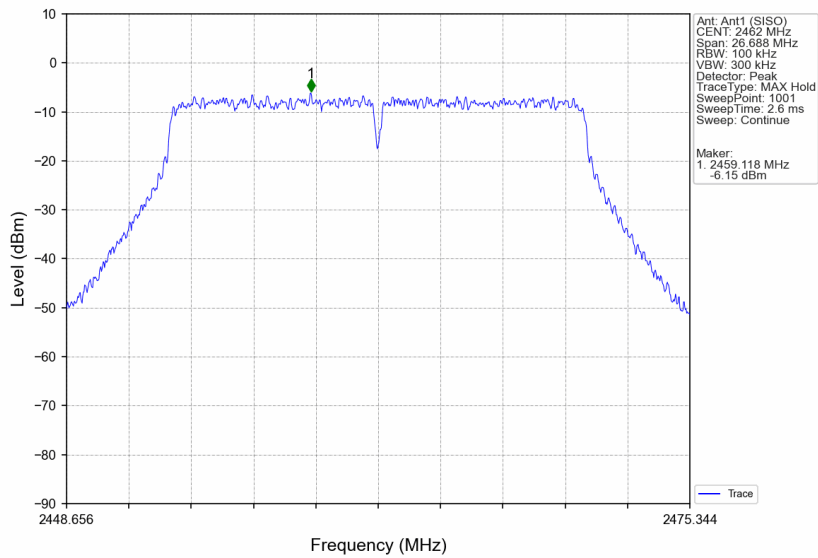
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



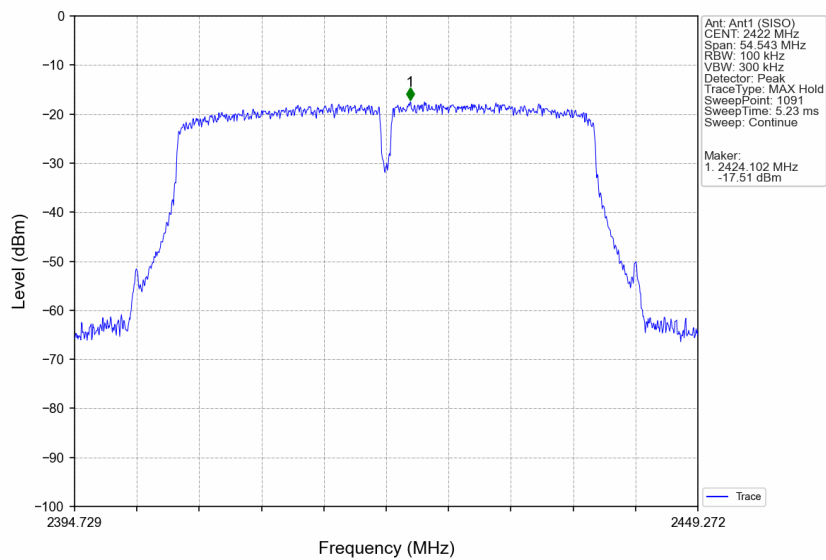
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



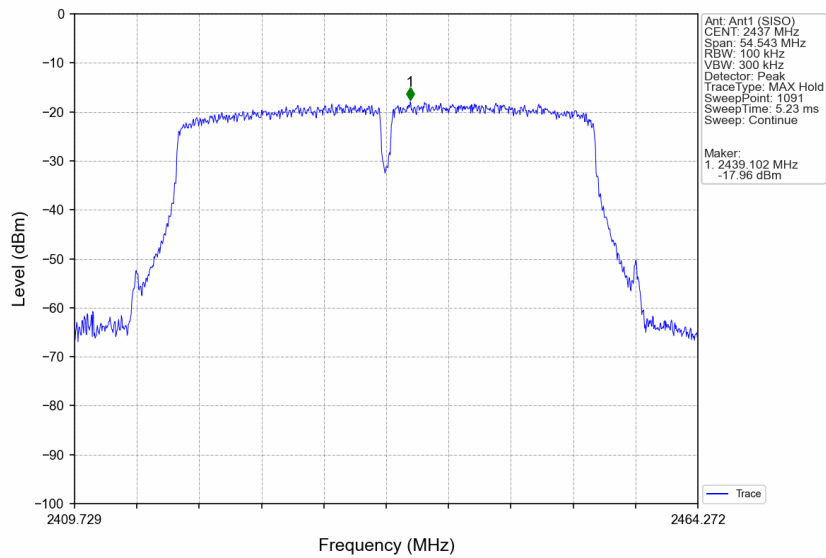
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



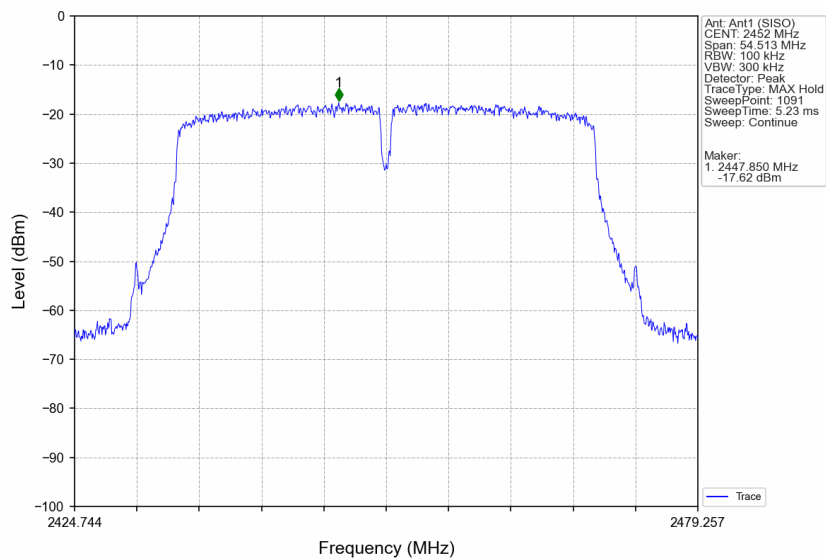
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



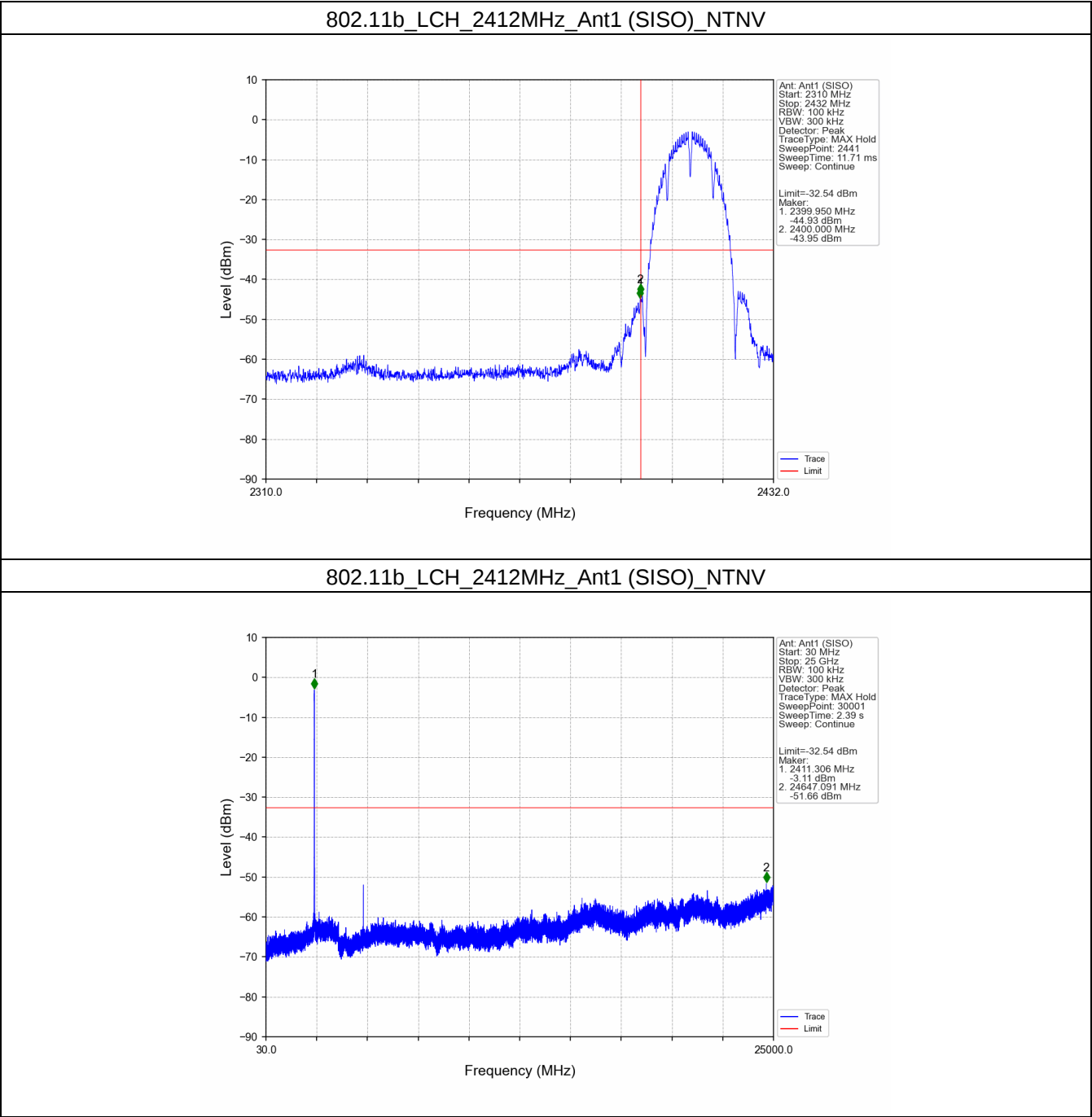
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



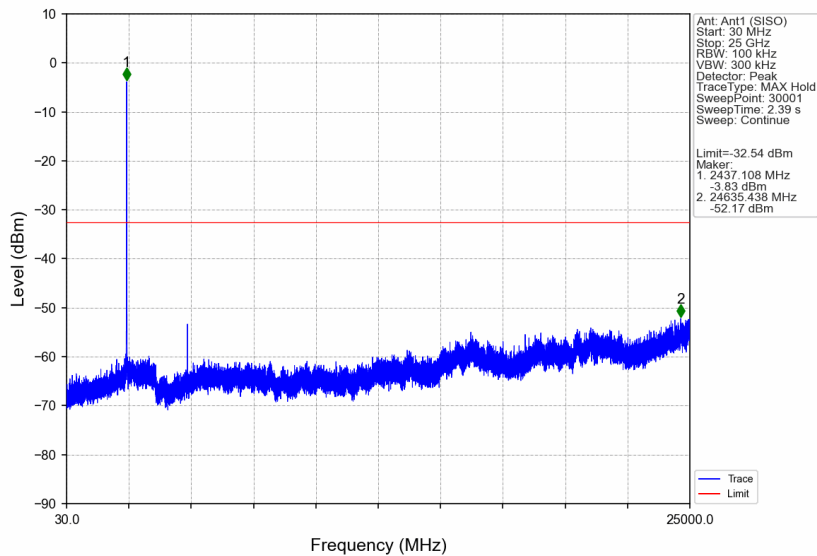
802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



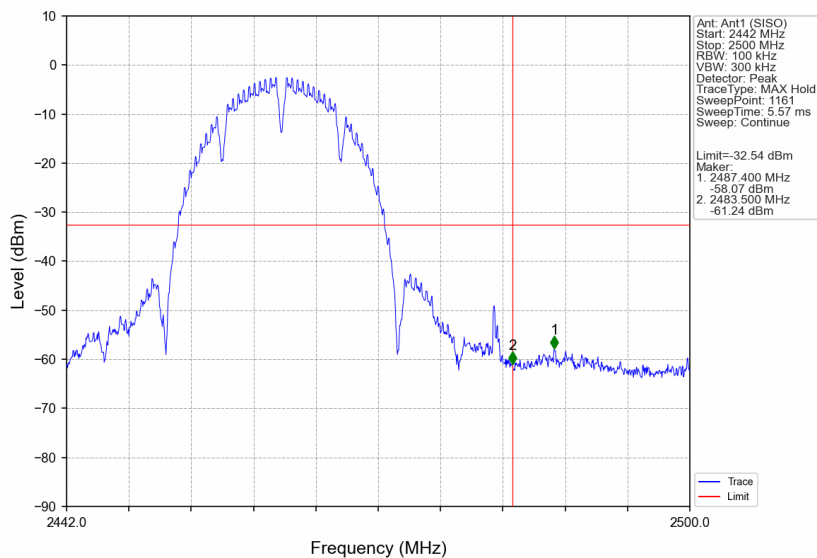
### 5.2.2 CSE



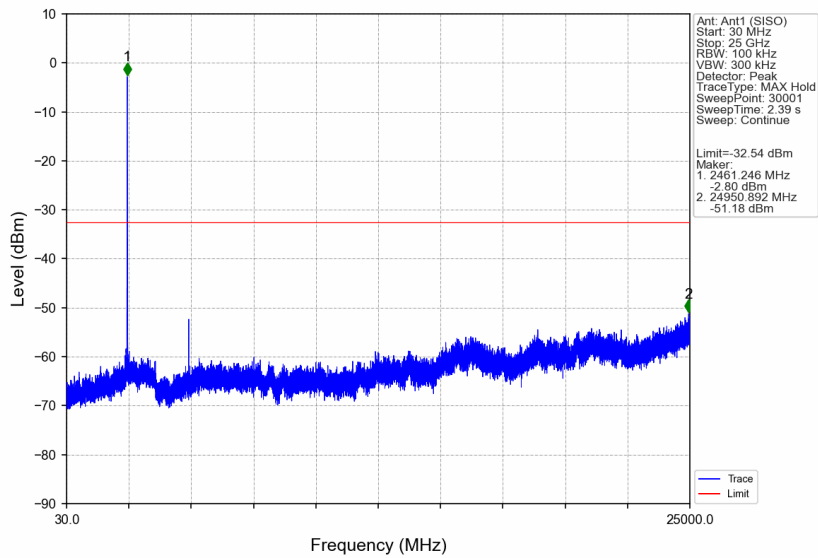
### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



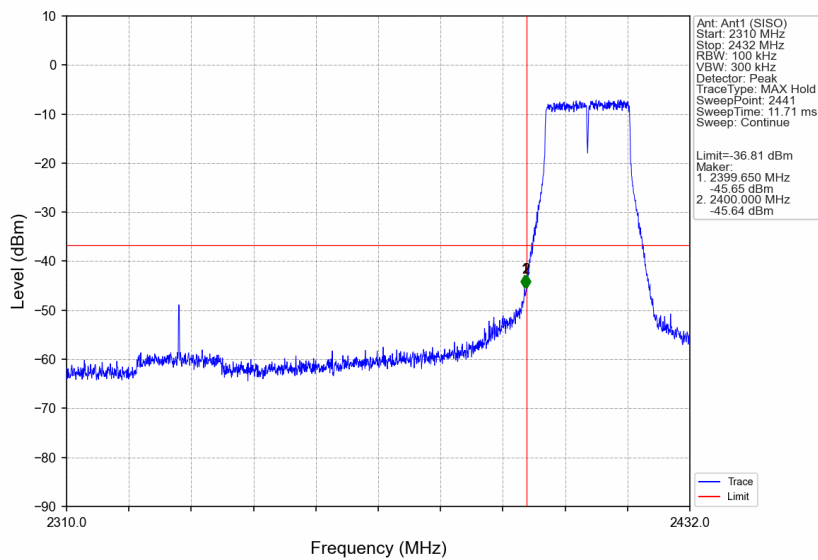
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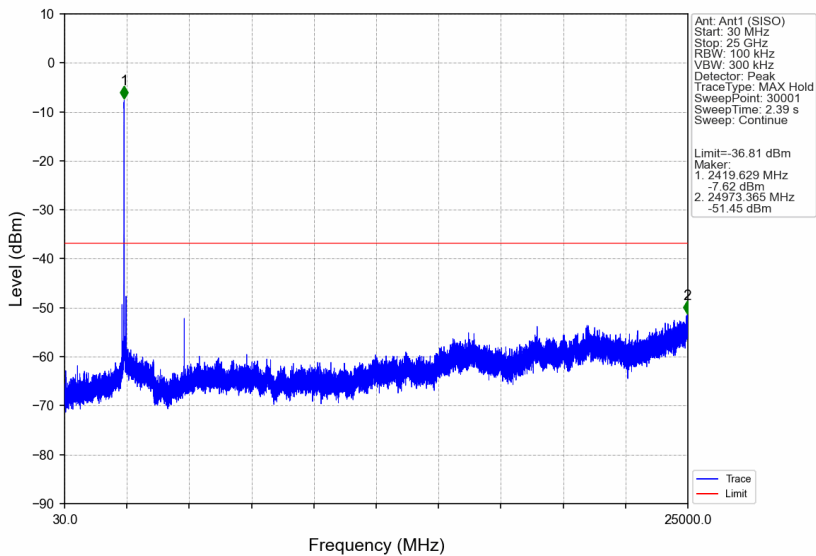
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



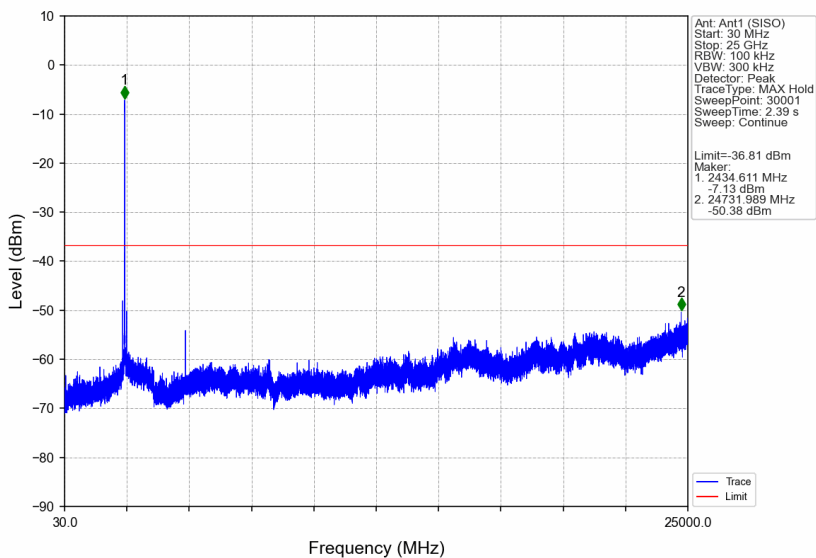
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



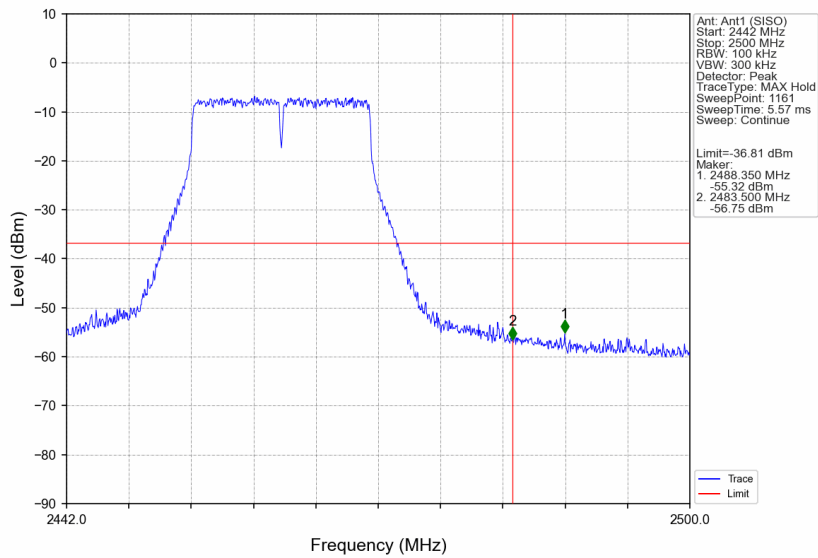
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



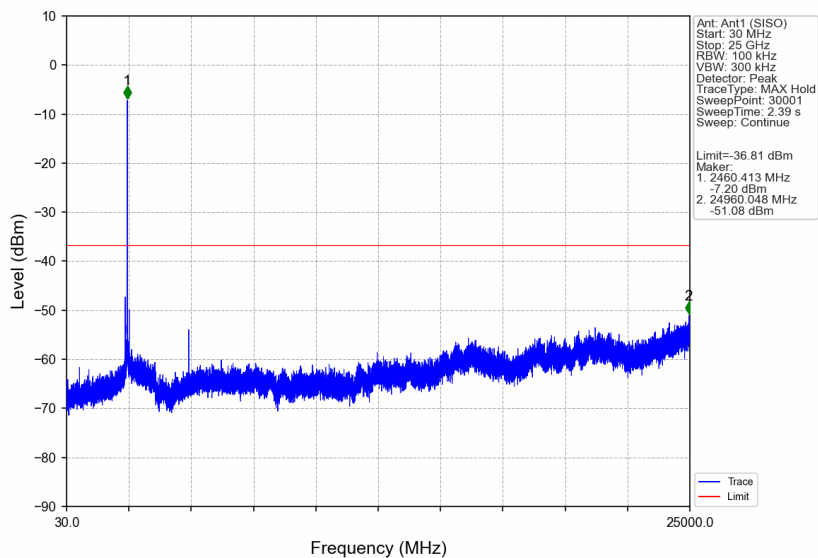
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



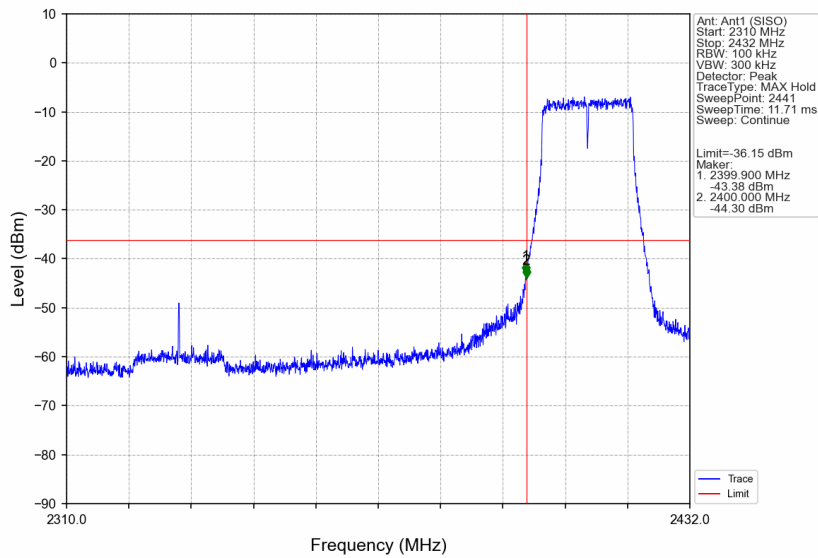
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



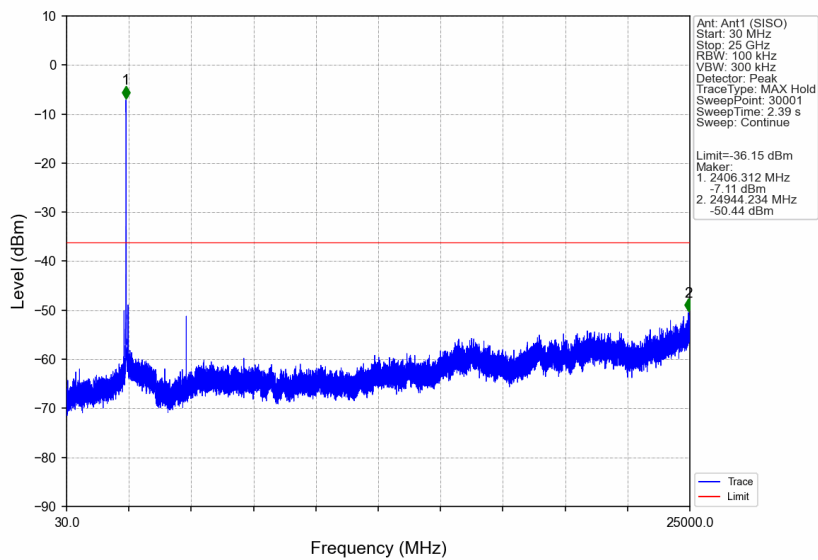
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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



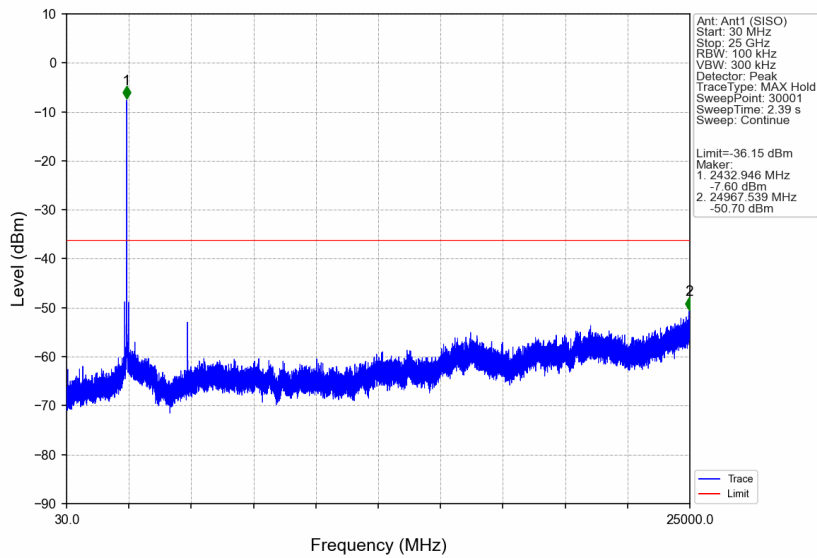
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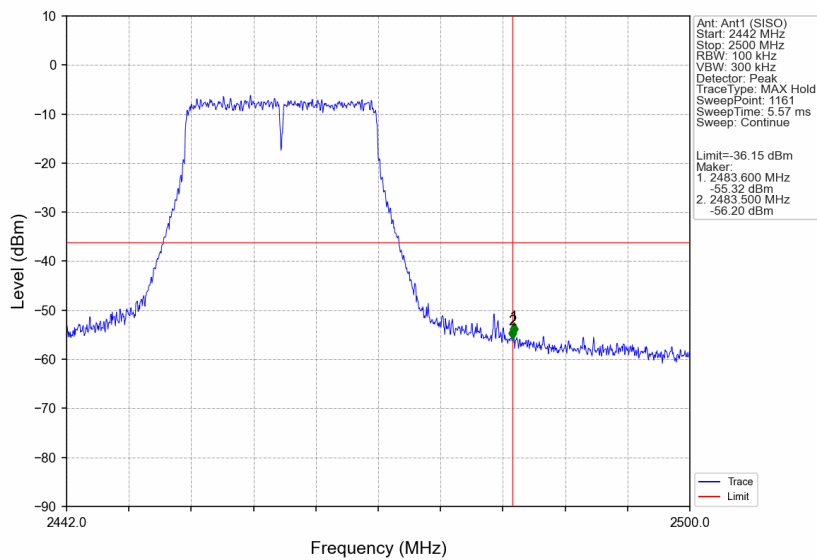
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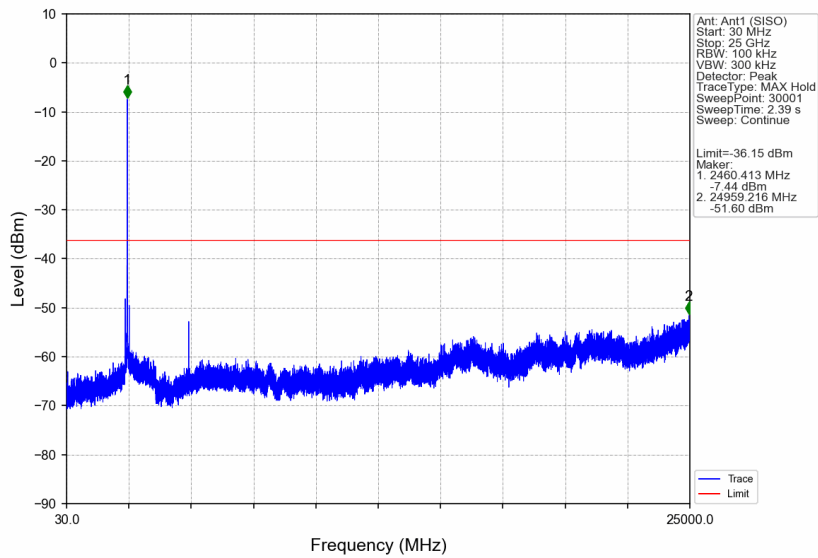
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



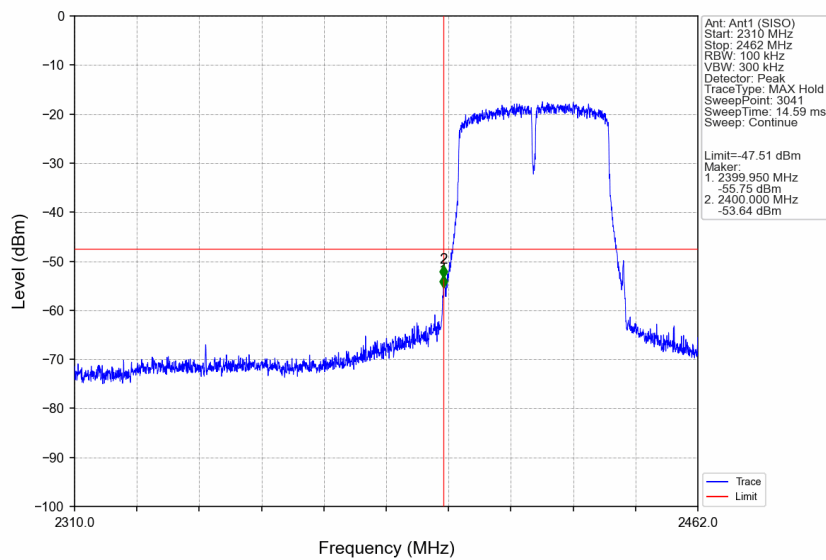
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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



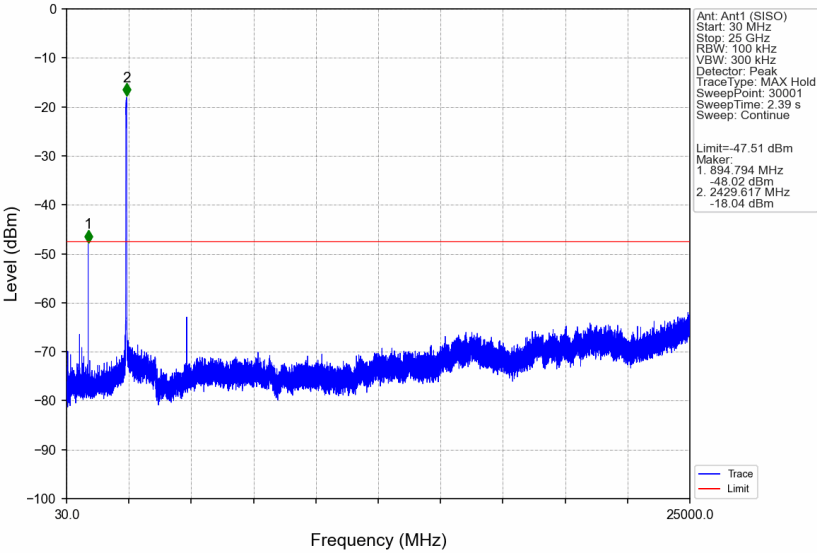
## Compliance Certification Services (Kunshan) Inc.

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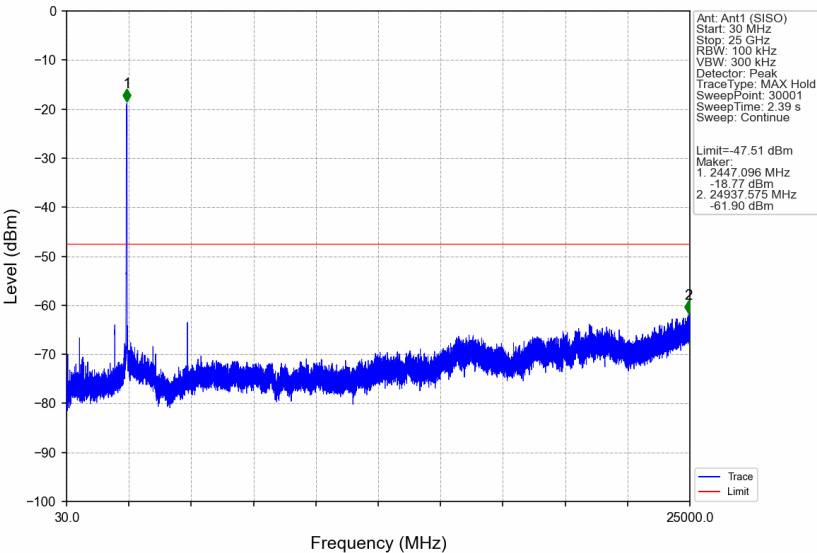
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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



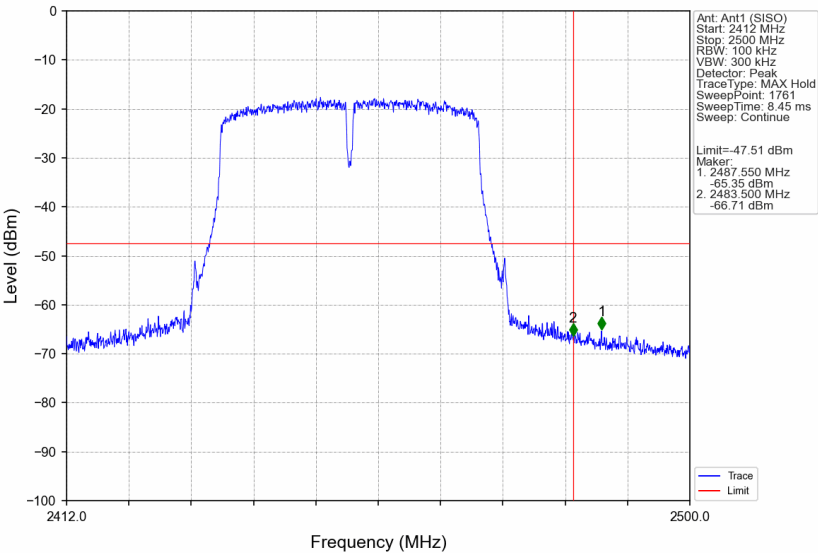
## Compliance Certification Services (Kunshan) Inc.

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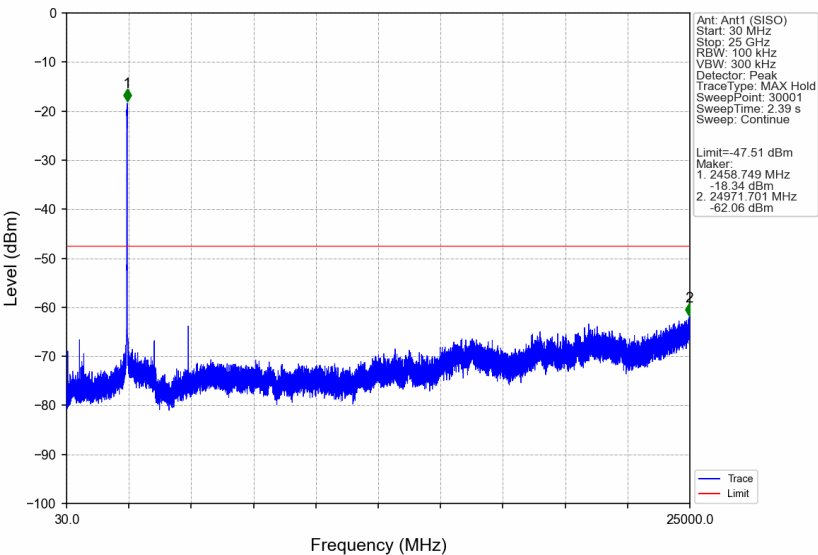
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802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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





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### 6. Form731

#### 6.1 Test Result

##### 6.1.1 Form731

| Lower Freq (MHz) | High Freq (MHz) | MAX Power (W) | MAX Power (dBm) |
|------------------|-----------------|---------------|-----------------|
| 2412             | 2462            | 0.0061        | 7.84            |
| 2422             | 2452            | 0.0062        | 7.95            |

- End of the Report -