

## 4. Maximum Power Spectral Density

### 4.1 PSD

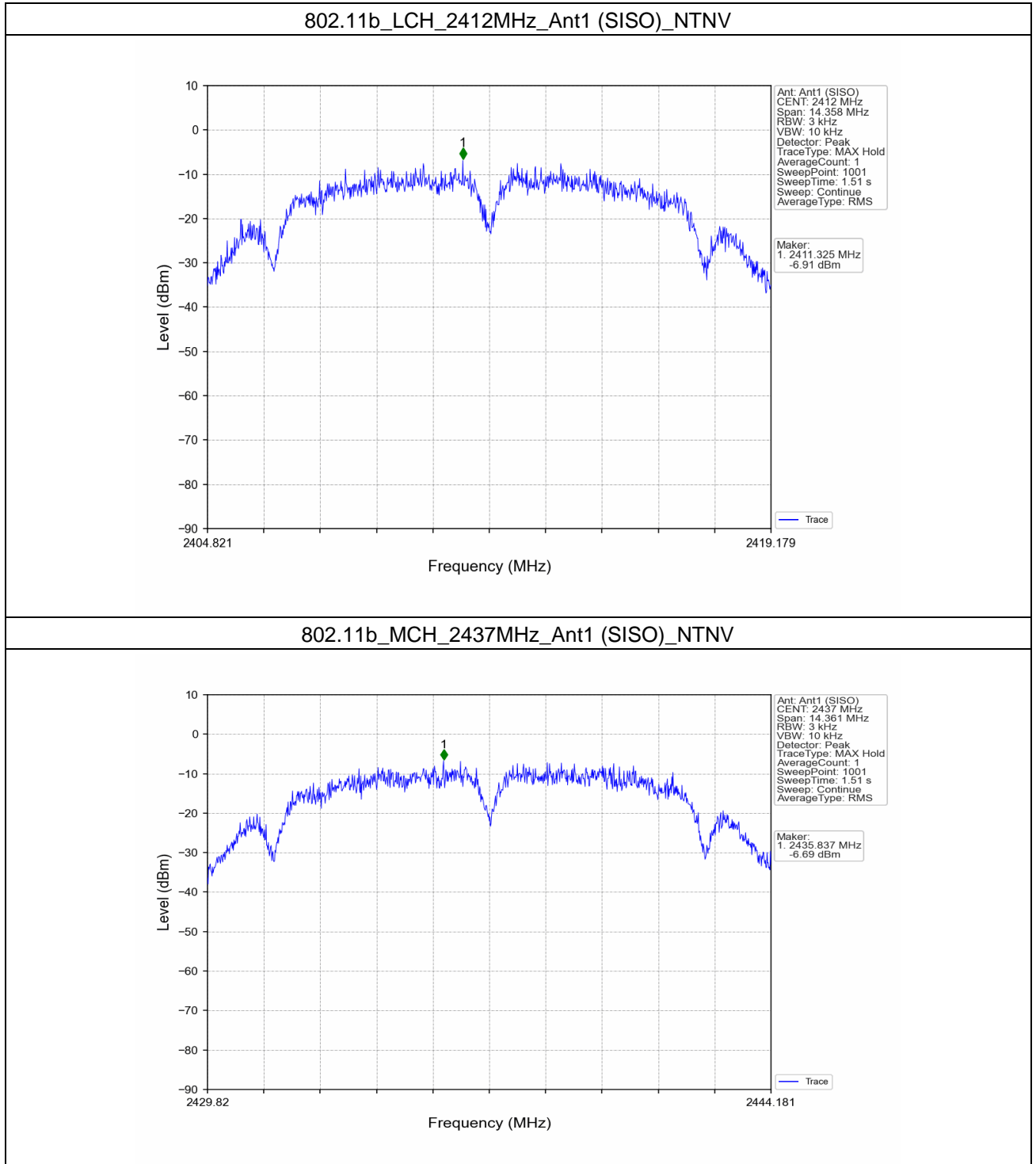
#### 4.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -6.91                  | <=8   | Pass    |
|                |         | 2437            | -6.69                  | <=8   | Pass    |
|                |         | 2462            | -8.41                  | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -11.50                 | <=8   | Pass    |
|                |         | 2437            | -10.60                 | <=8   | Pass    |
|                |         | 2462            | -12.05                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -11.27                 | <=8   | Pass    |
|                |         | 2437            | -9.61                  | <=8   | Pass    |
|                |         | 2462            | -11.85                 | <=8   | Pass    |
| 802.11n (HT40) | SISO    | 2422            | -15.17                 | <=8   | Pass    |
|                |         | 2437            | -14.42                 | <=8   | Pass    |
|                |         | 2452            | -14.74                 | <=8   | Pass    |



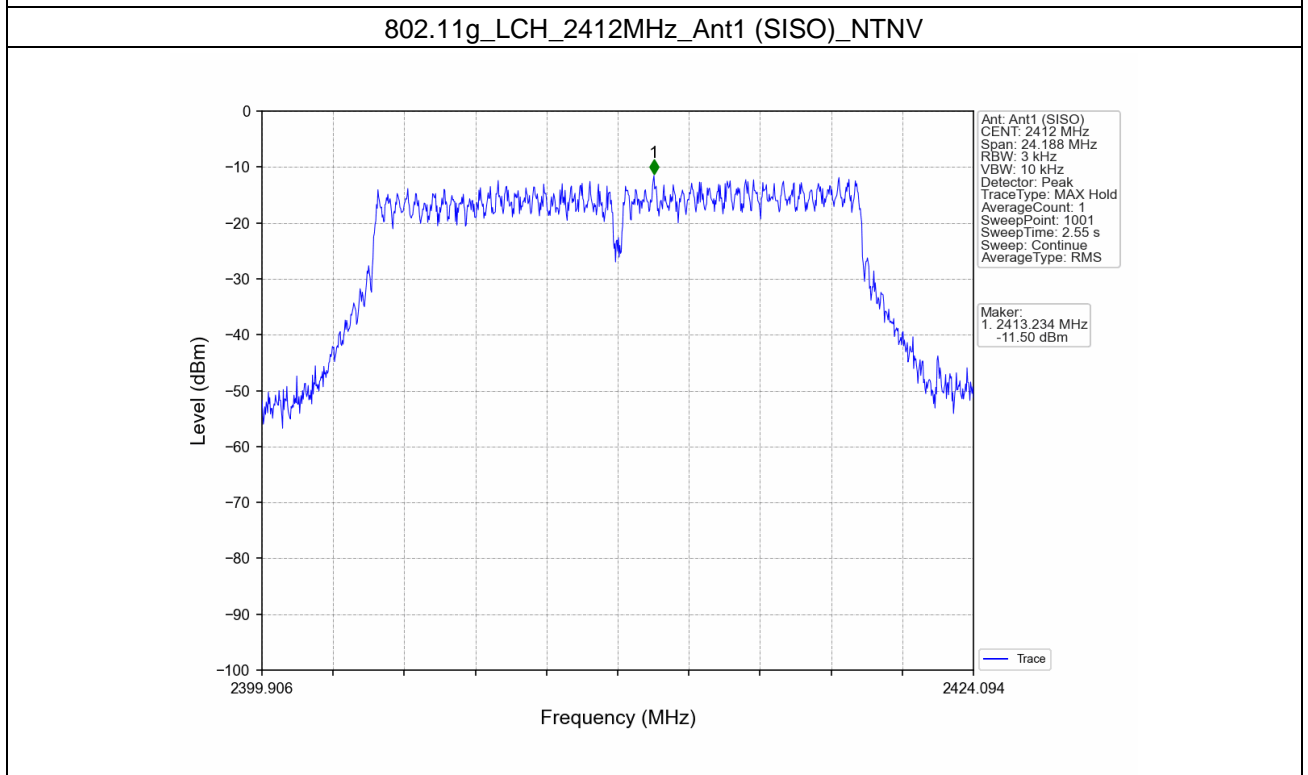
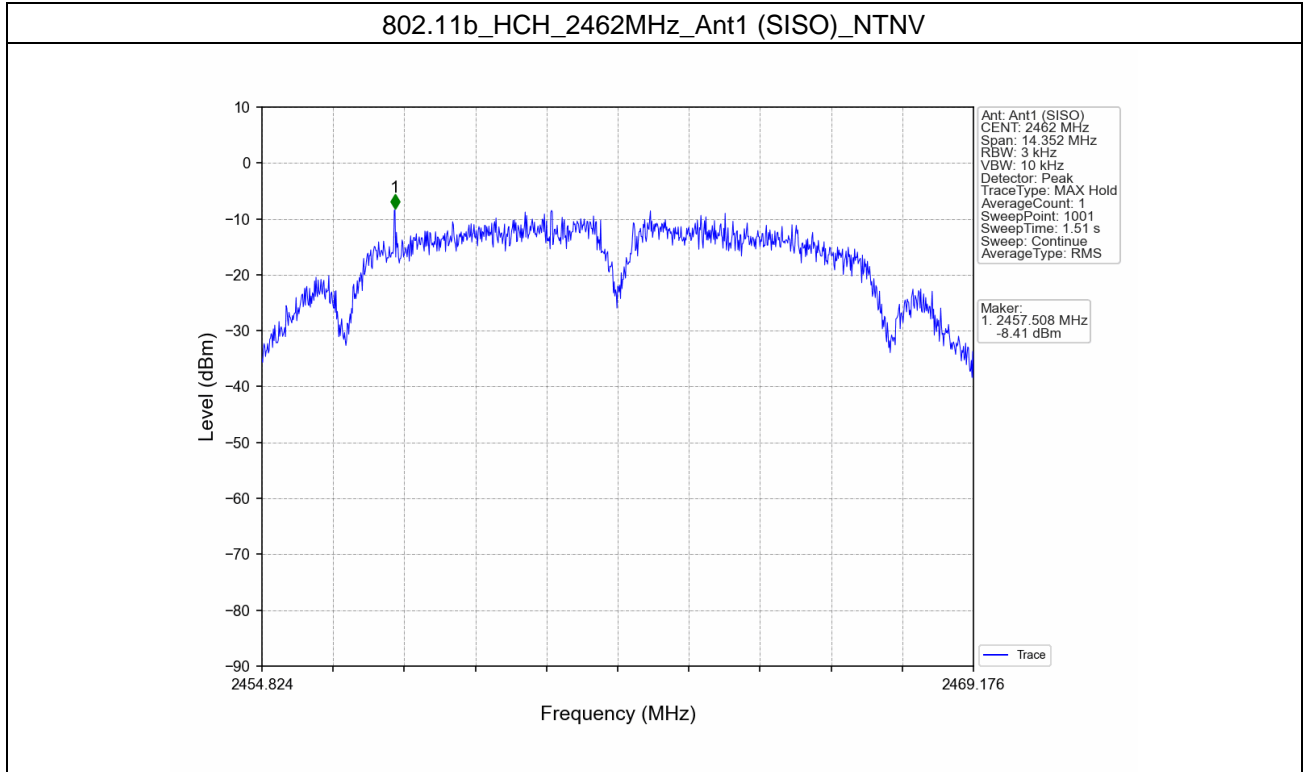
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### 4.1.2 Test Graph



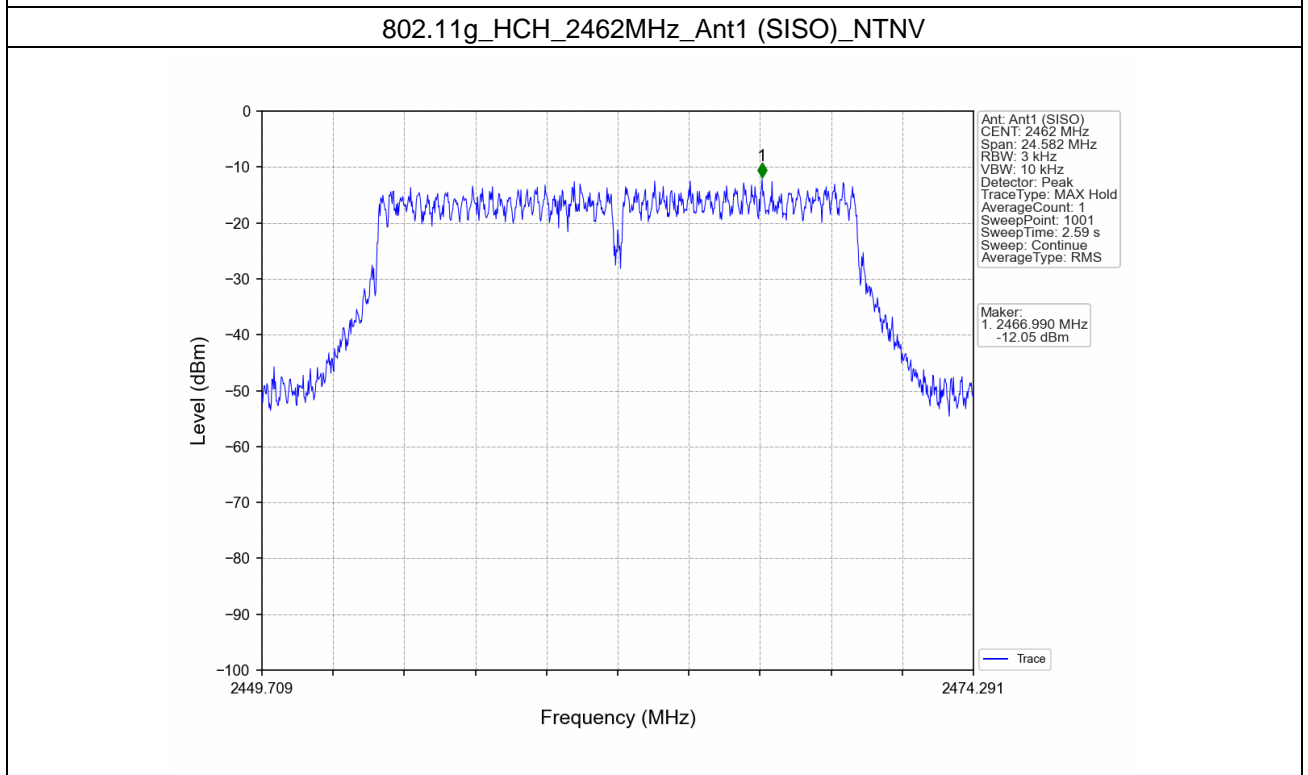
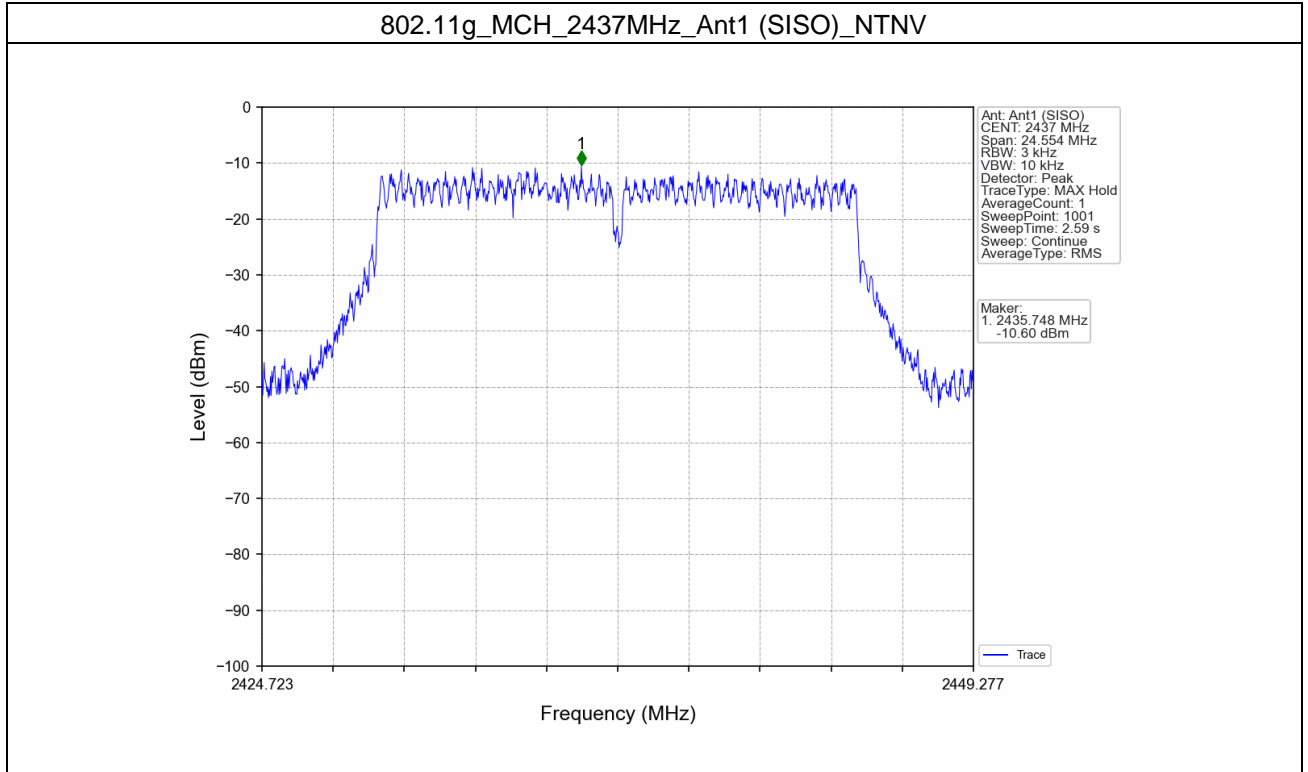
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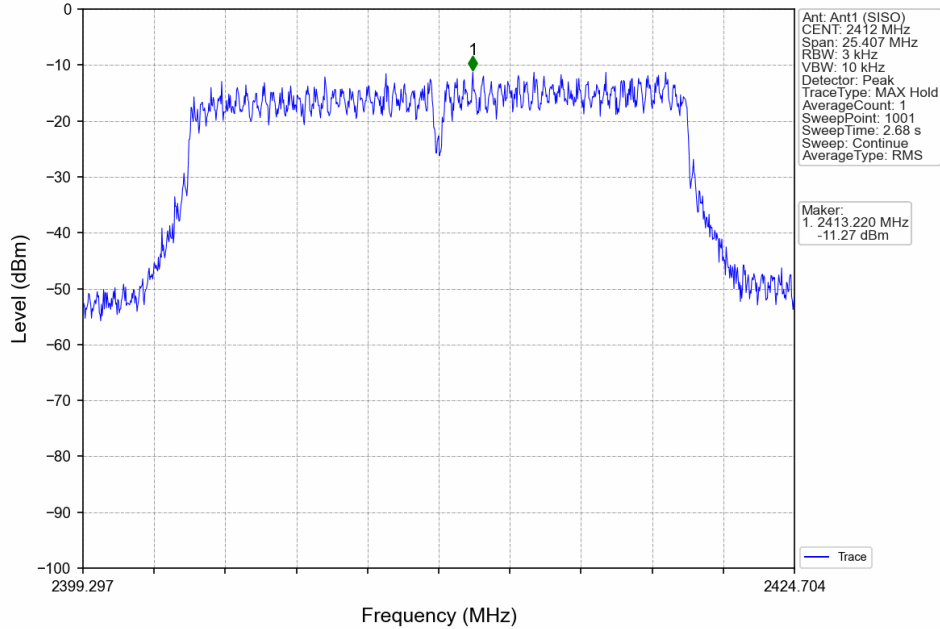
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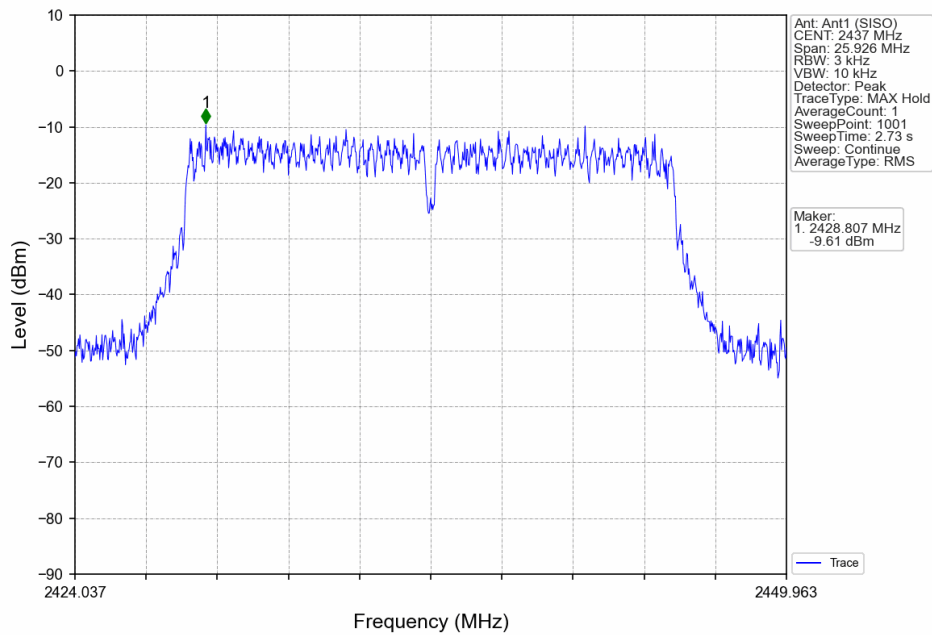
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

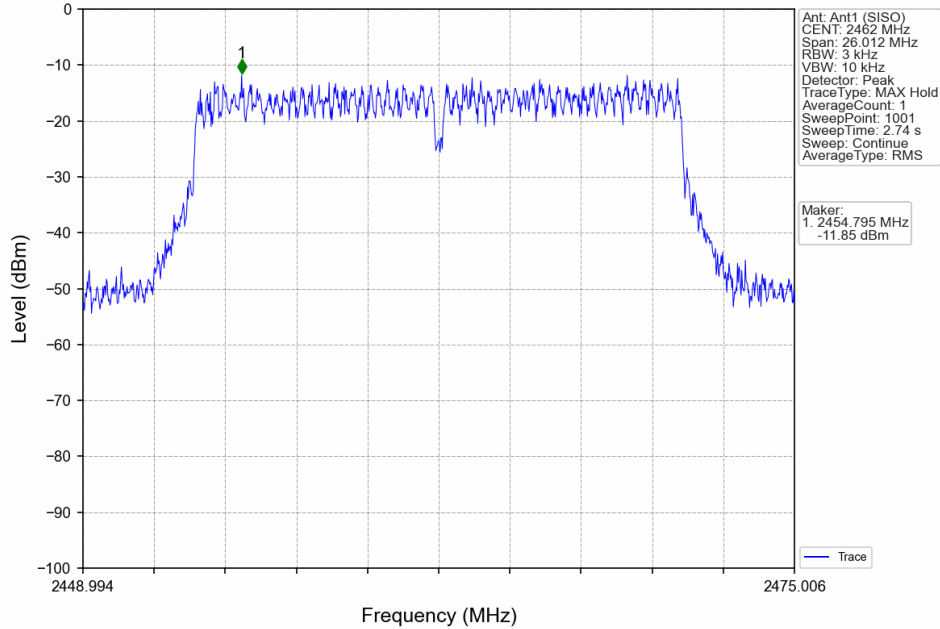


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

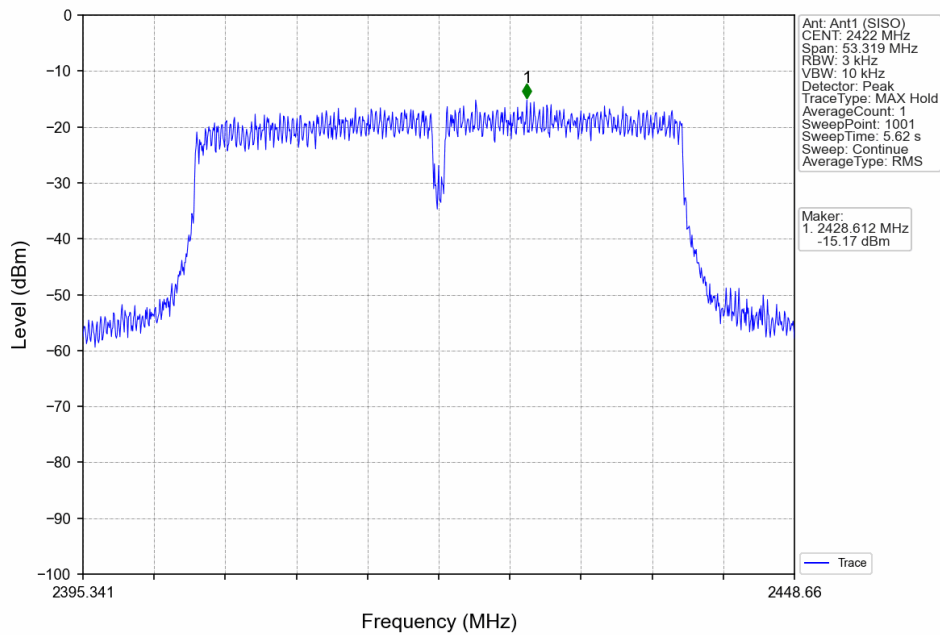


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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

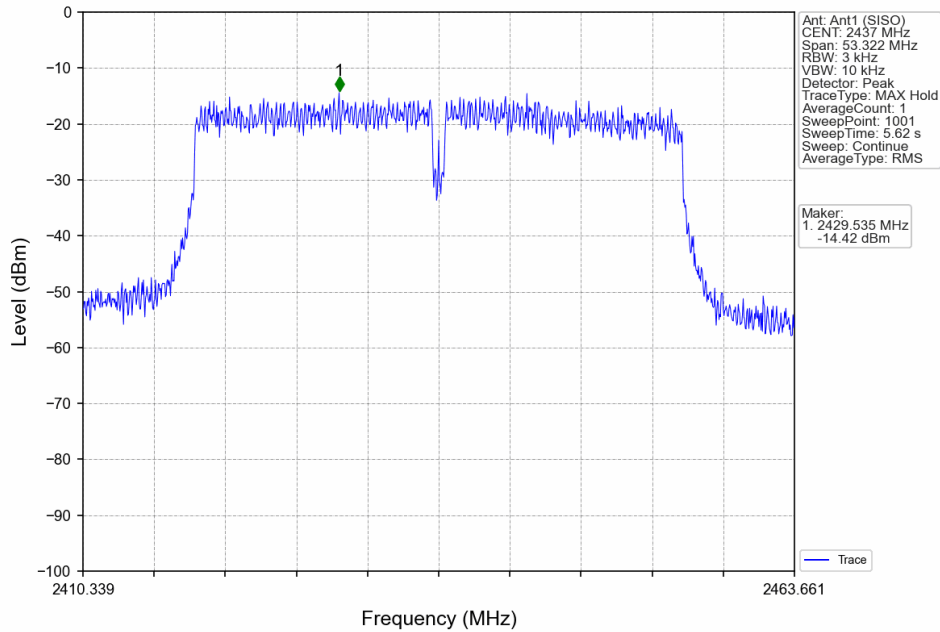


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

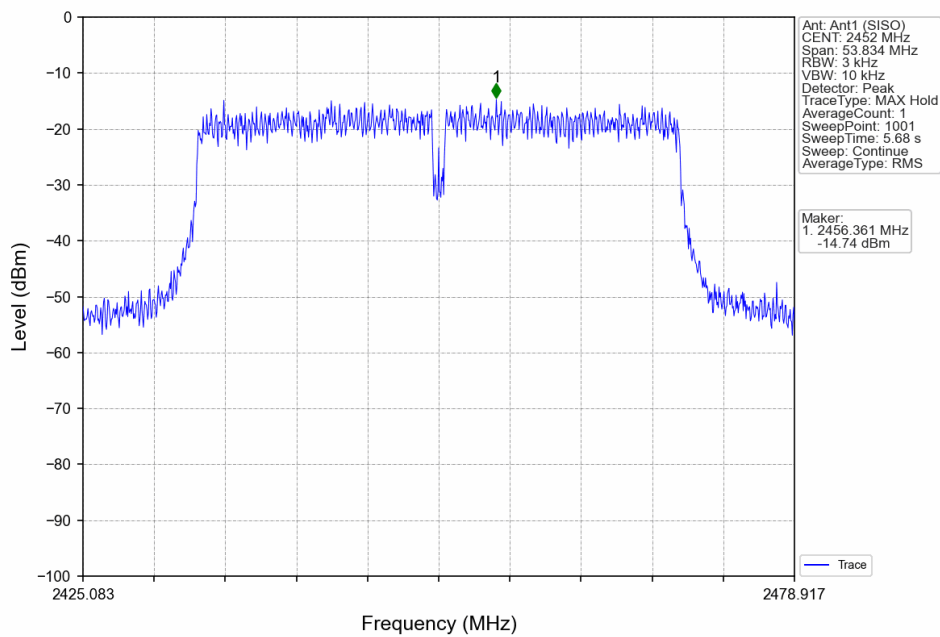


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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

### 5.1 Ref

#### 5.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 6.86                     |
|                |         | 2437            | 1   | 8.07                     |
|                |         | 2462            | 1   | 6.29                     |
| 802.11g        | SISO    | 2412            | 1   | 4.21                     |
|                |         | 2437            | 1   | 4.65                     |
|                |         | 2462            | 1   | 3.33                     |
| 802.11n (HT20) | SISO    | 2412            | 1   | 4.36                     |
|                |         | 2437            | 1   | 4.77                     |
|                |         | 2462            | 1   | 3.46                     |
| 802.11n (HT40) | SISO    | 2422            | 1   | -0.41                    |
|                |         | 2437            | 1   | 0.39                     |
|                |         | 2452            | 1   | 0.00                     |

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.

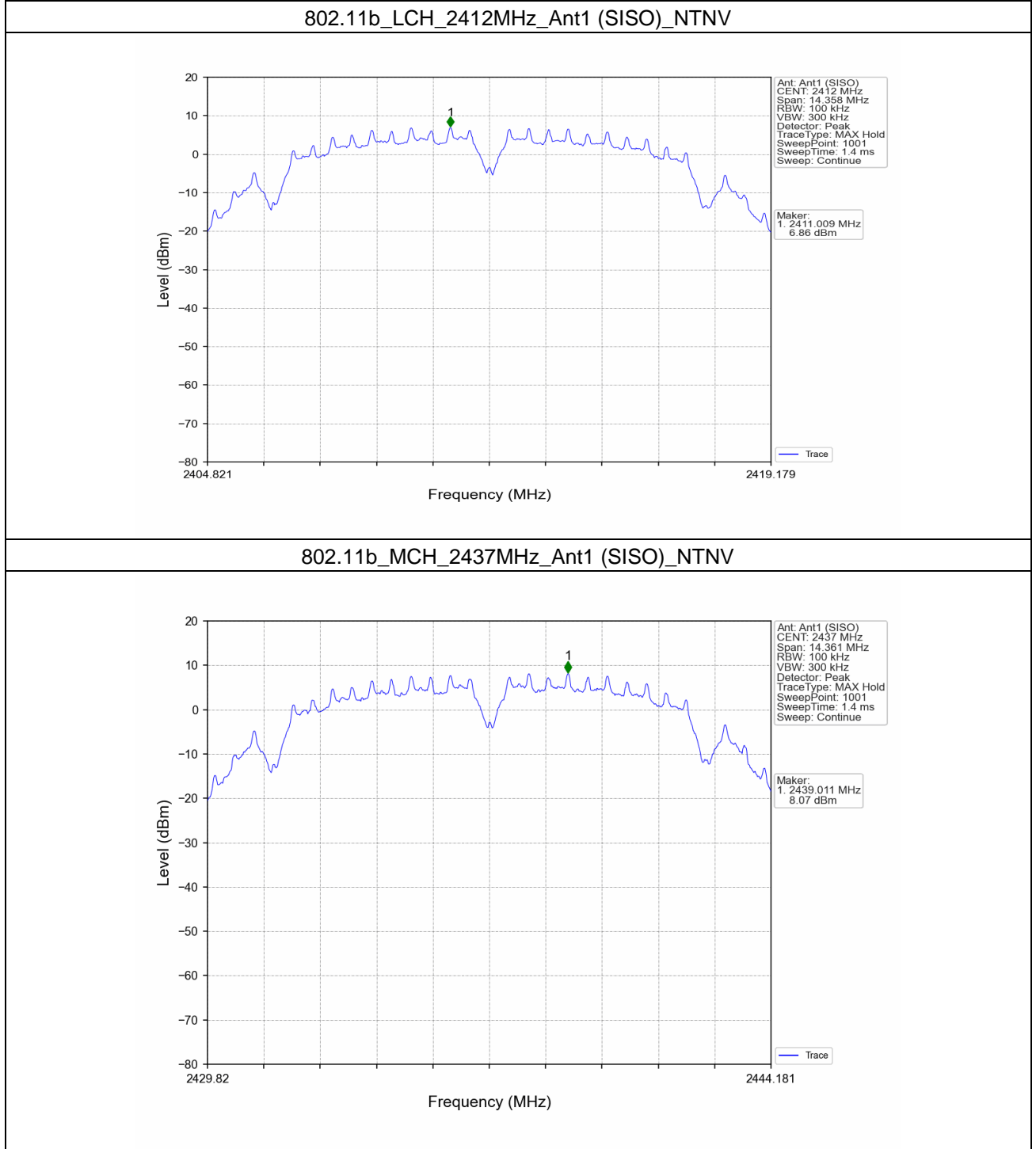


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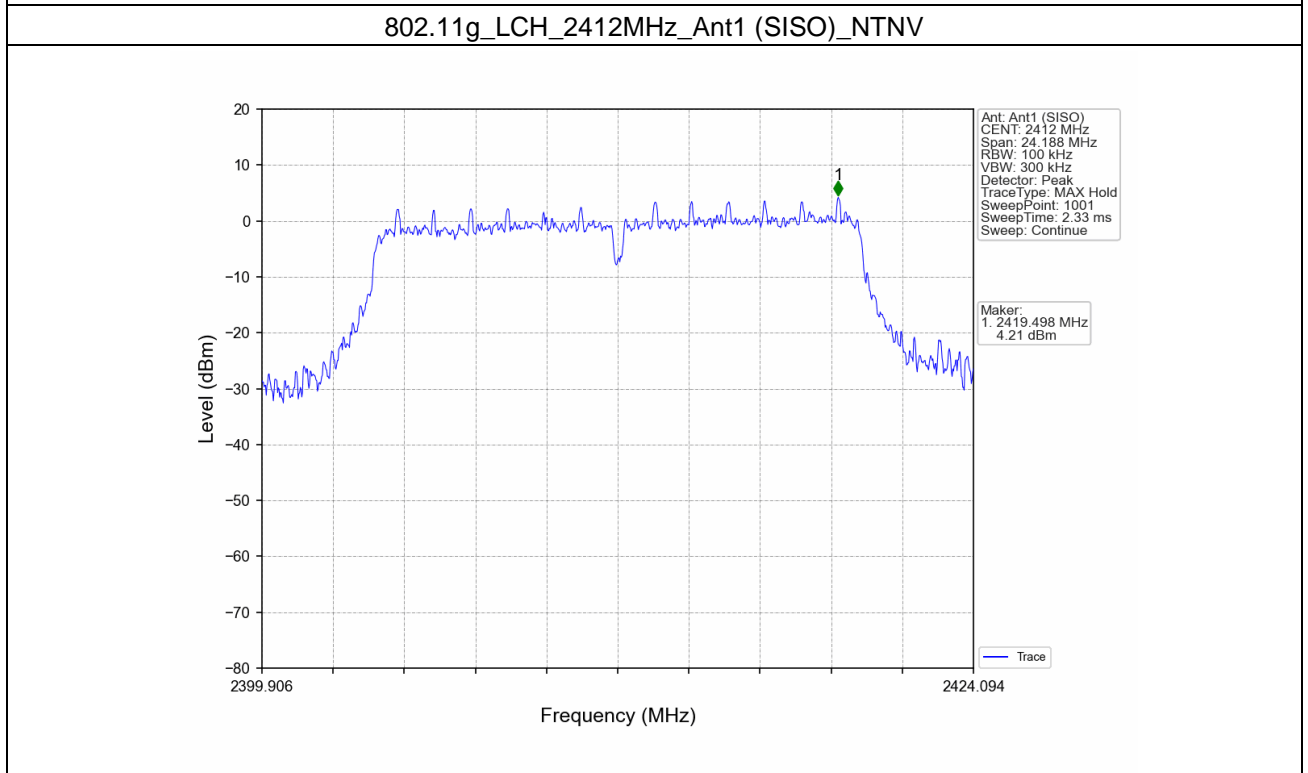
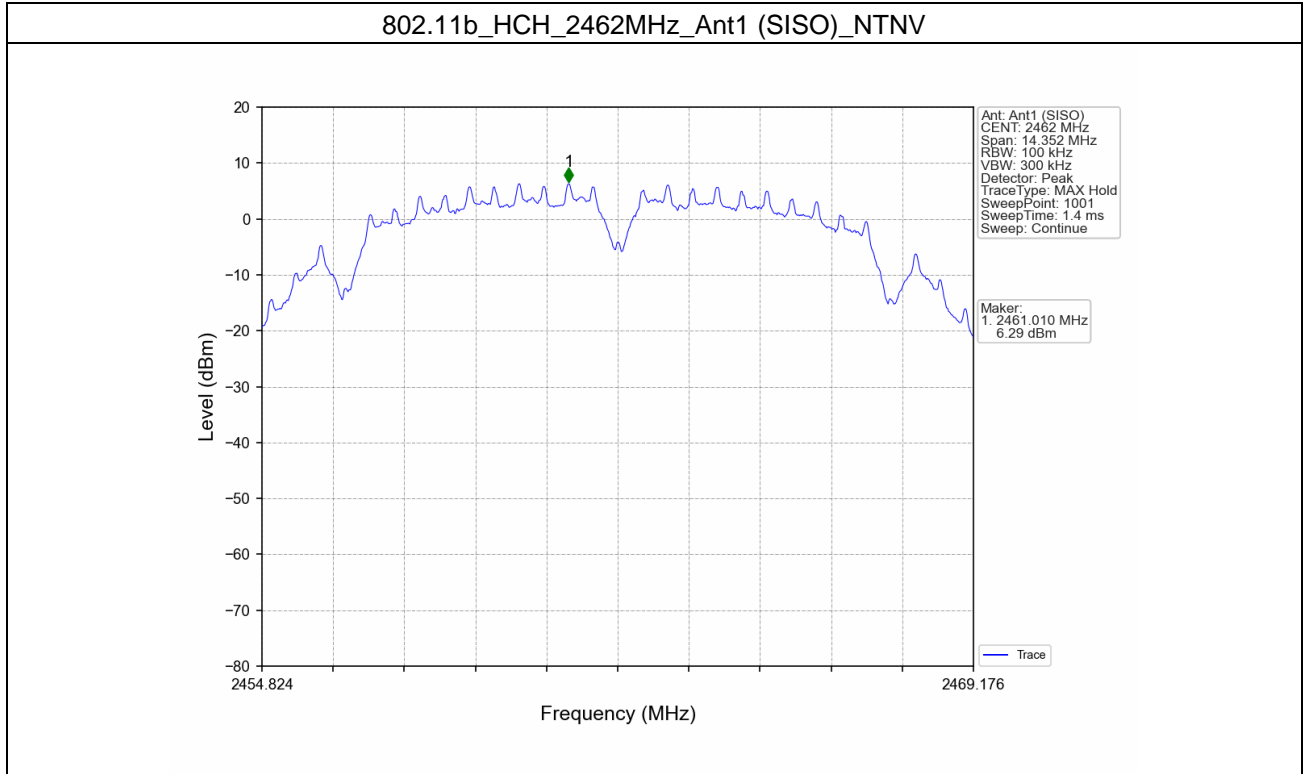


### 5.1.2 Test Graph

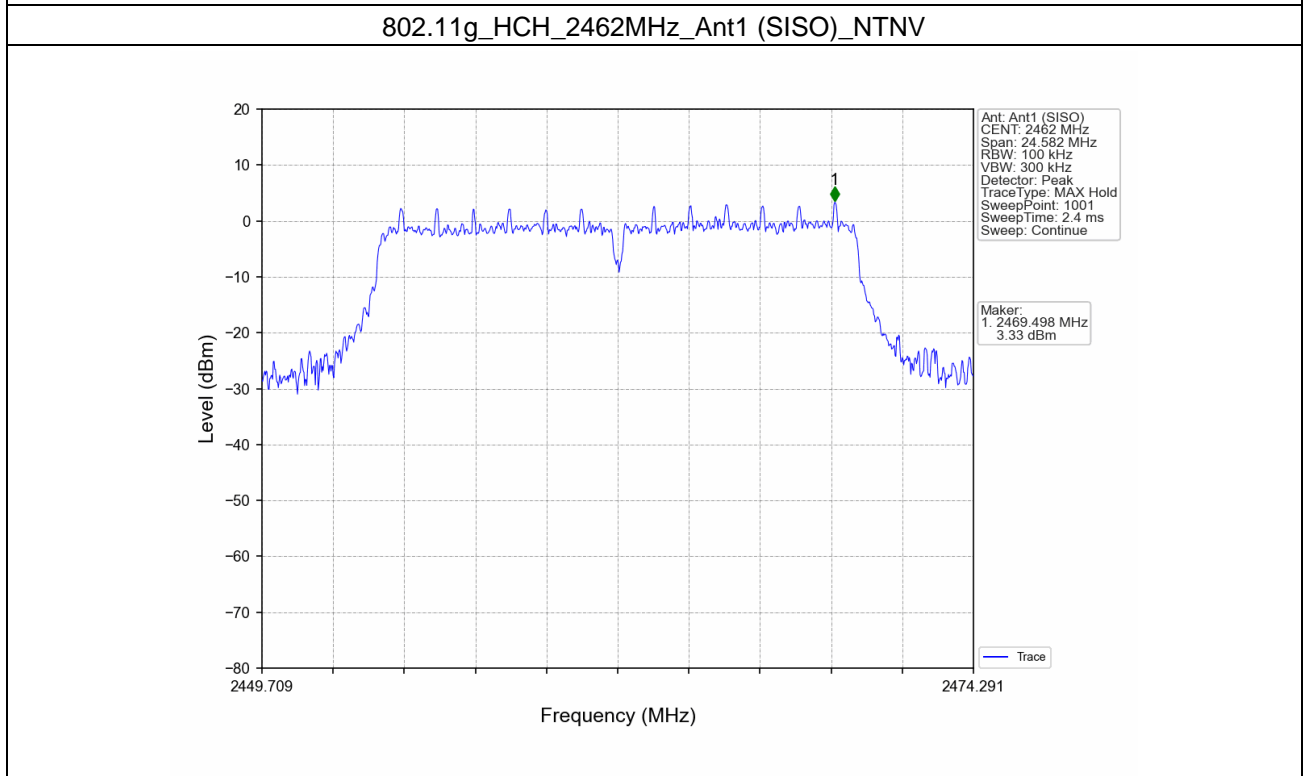
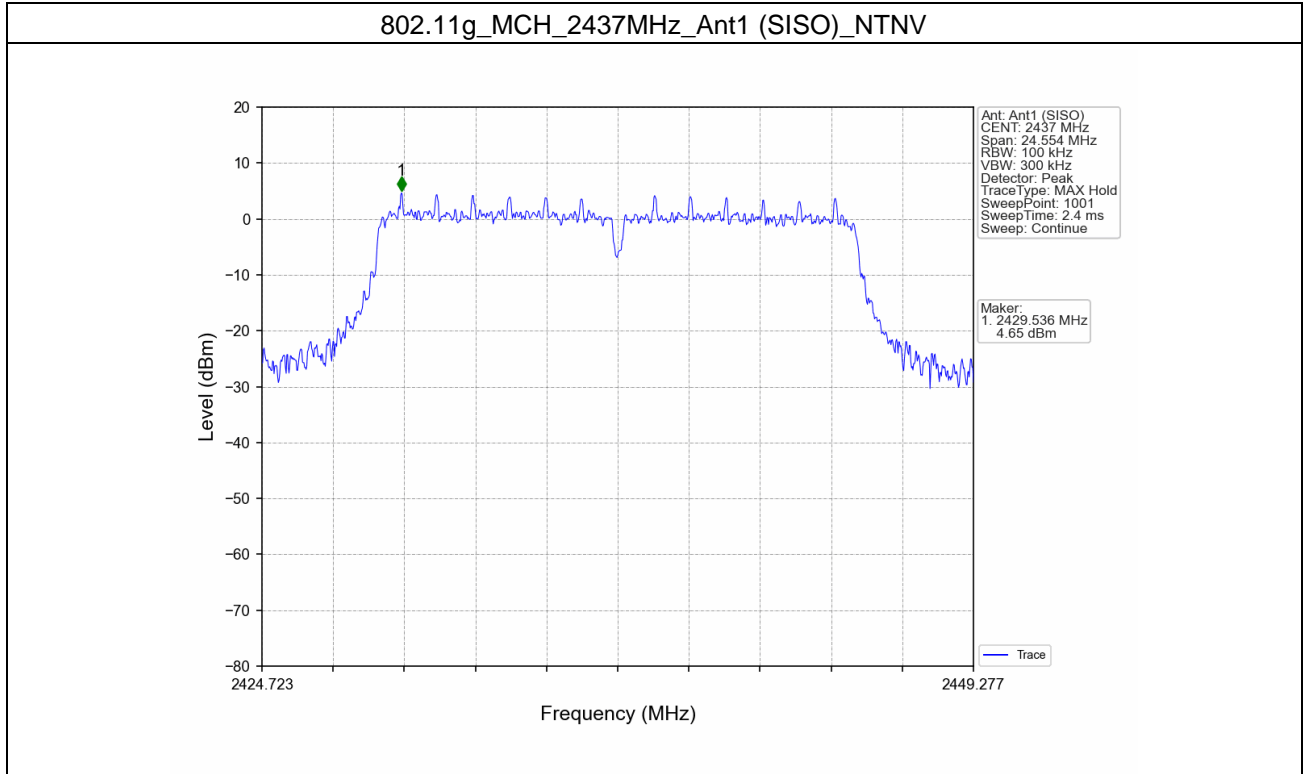


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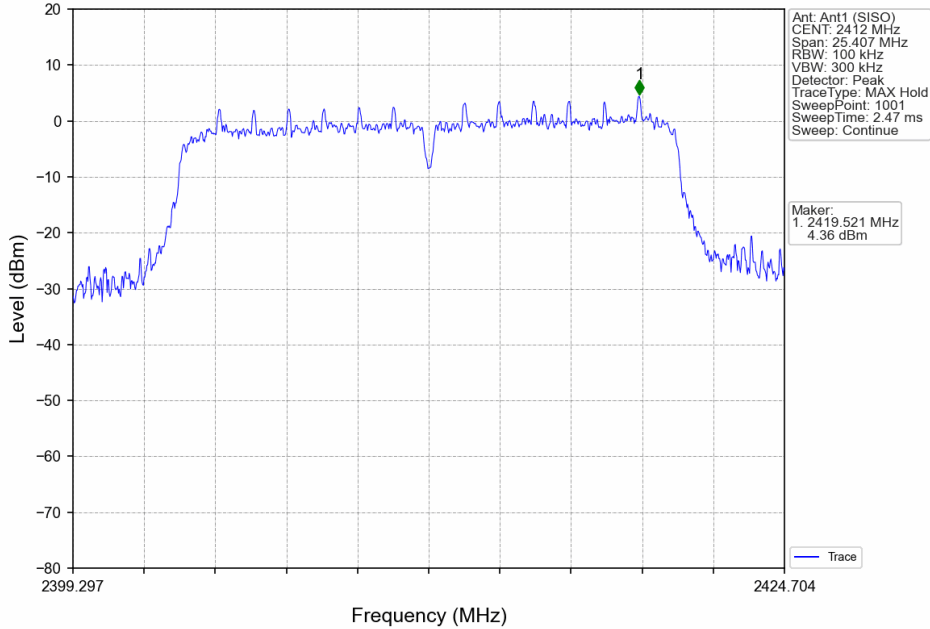
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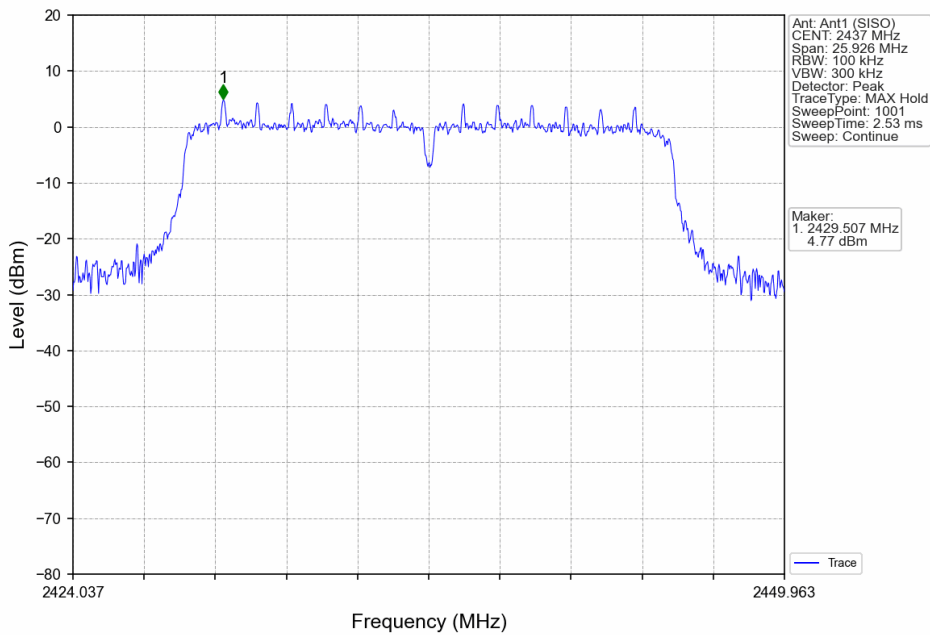
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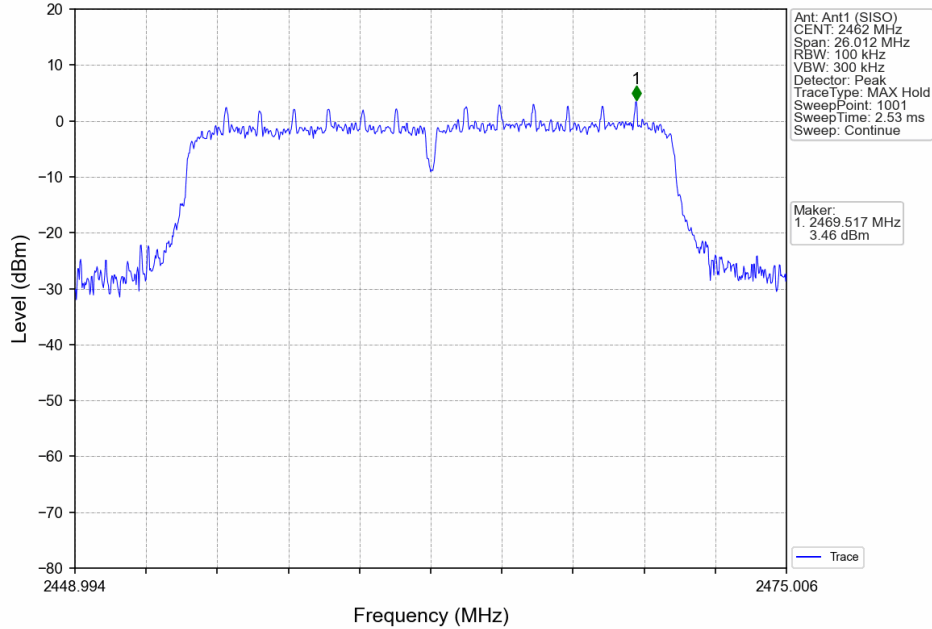


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

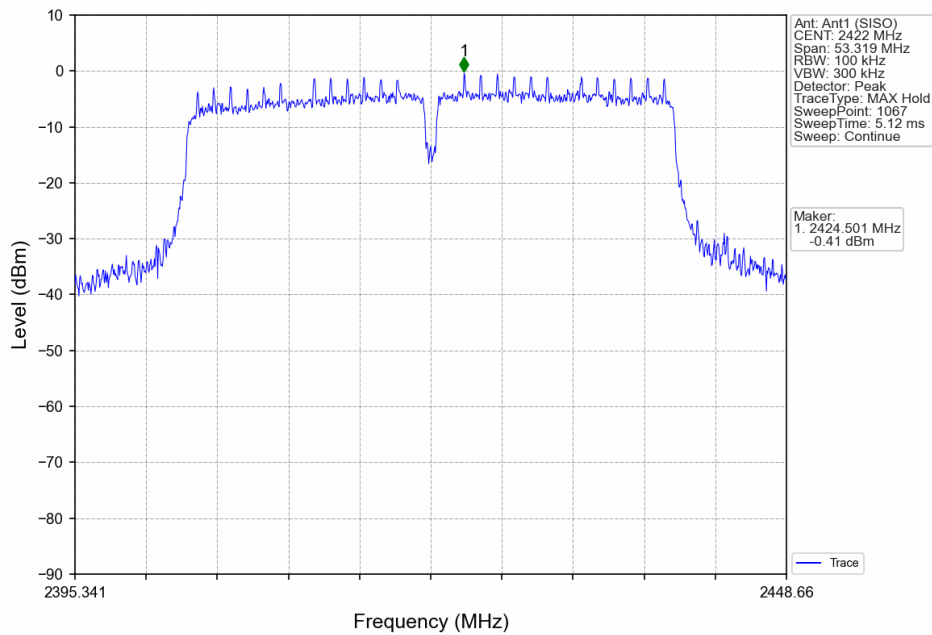


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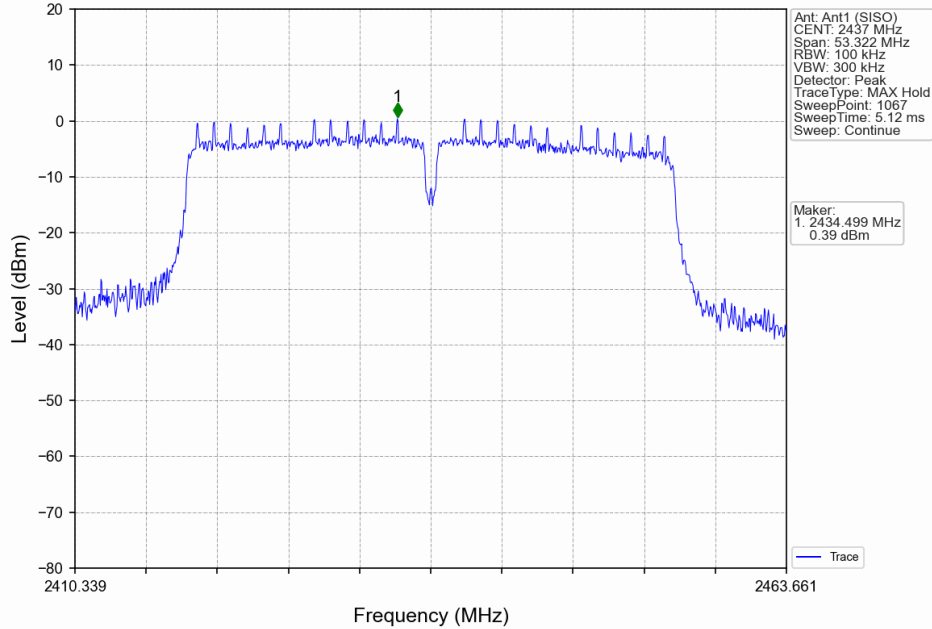


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

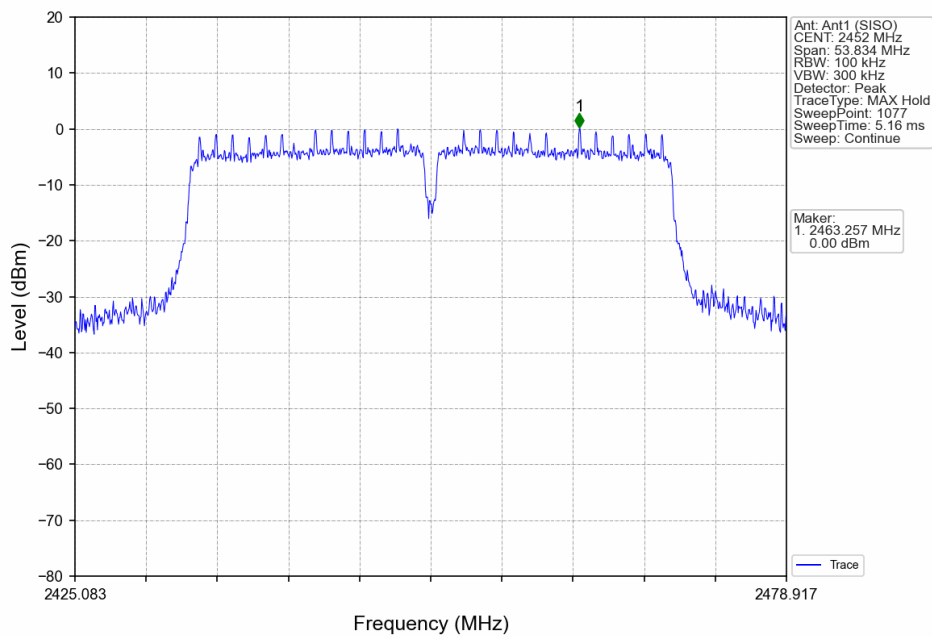


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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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# Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/0 Aug01,2022

Report No.: FYCR221100046604

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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   | 8.07                     | -21.93      | Pass    |
|                |         | 2437            | 1   | 8.07                     | -21.93      | Pass    |
|                |         | 2462            | 1   | 8.07                     | -21.93      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 4.65                     | -25.35      | Pass    |
|                |         | 2437            | 1   | 4.65                     | -25.35      | Pass    |
|                |         | 2462            | 1   | 4.65                     | -25.35      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 4.77                     | -25.23      | Pass    |
|                |         | 2437            | 1   | 4.77                     | -25.23      | Pass    |
|                |         | 2462            | 1   | 4.77                     | -25.23      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | 0.39                     | -29.61      | Pass    |
|                |         | 2437            | 1   | 0.39                     | -29.61      | Pass    |
|                |         | 2452            | 1   | 0.39                     | -29.61      | Pass    |

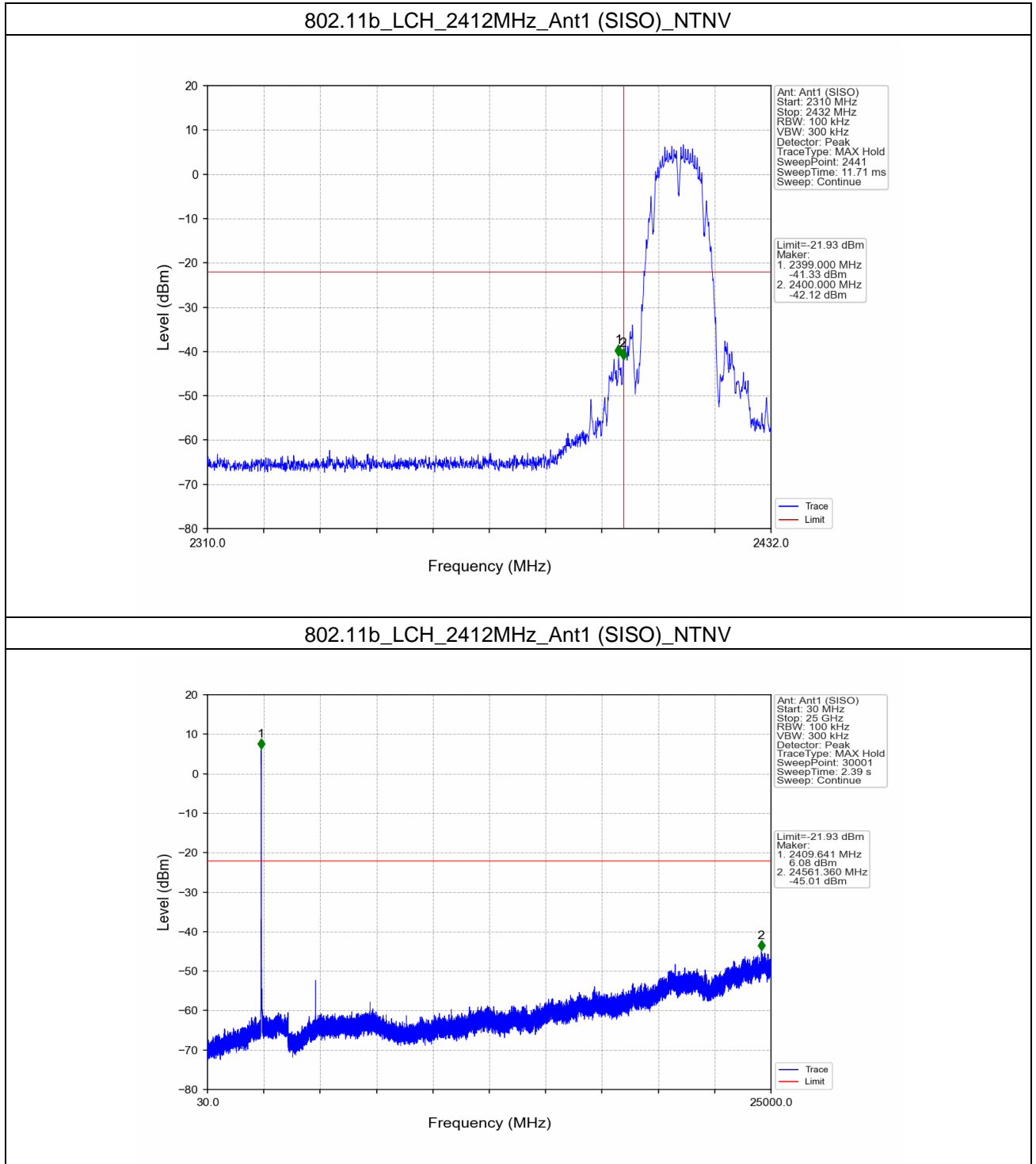
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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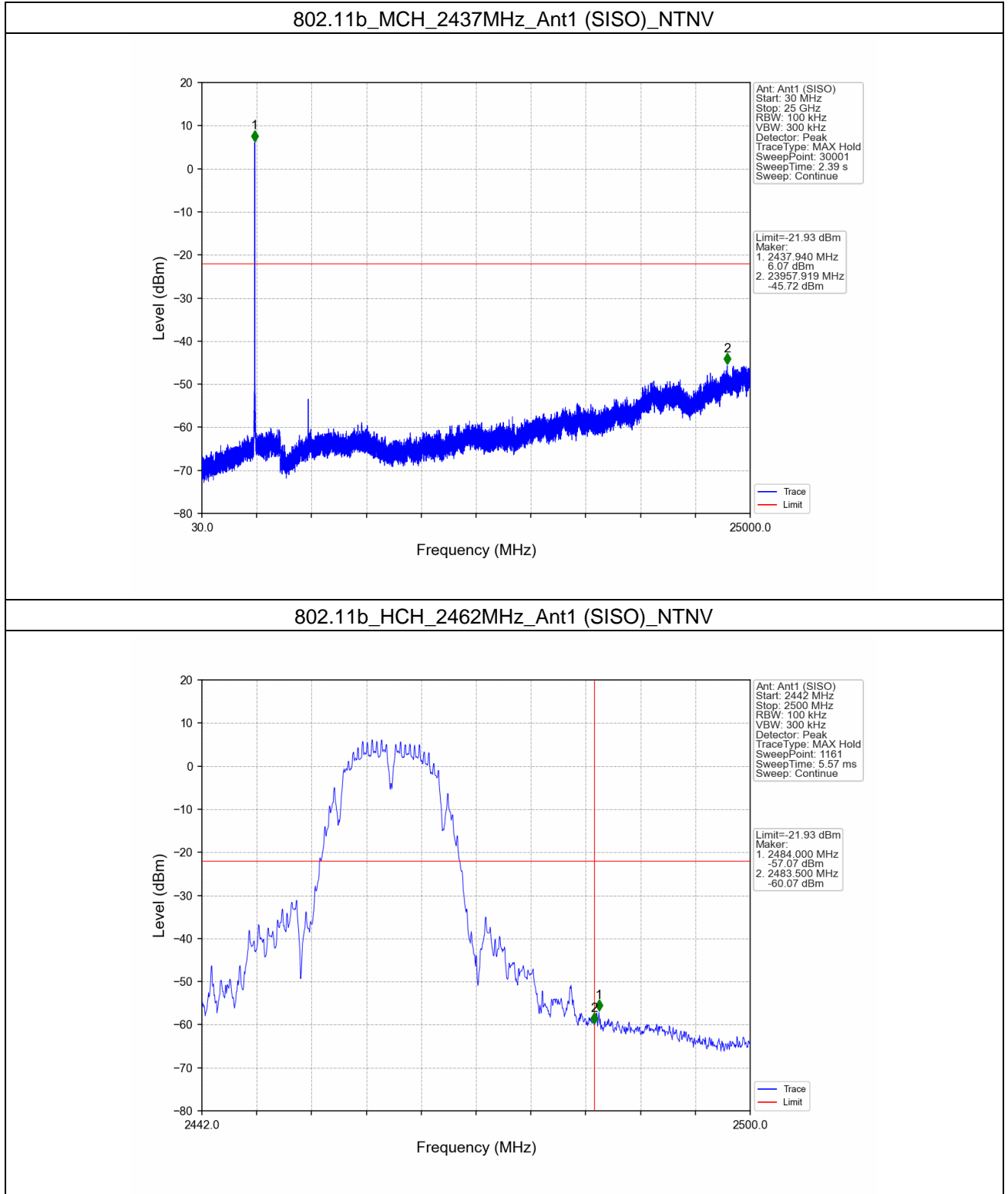
### 5.2.2 Test Graph



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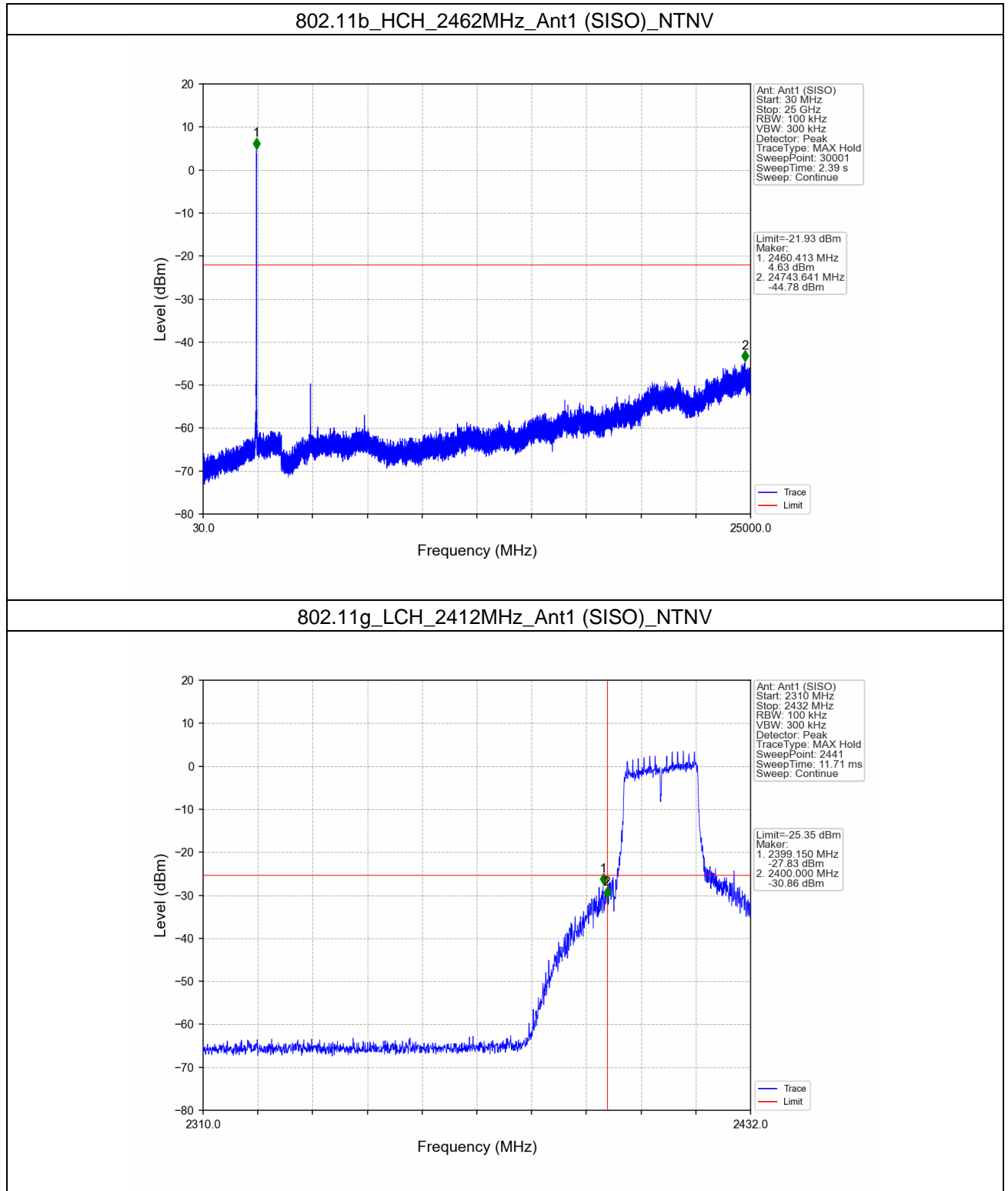
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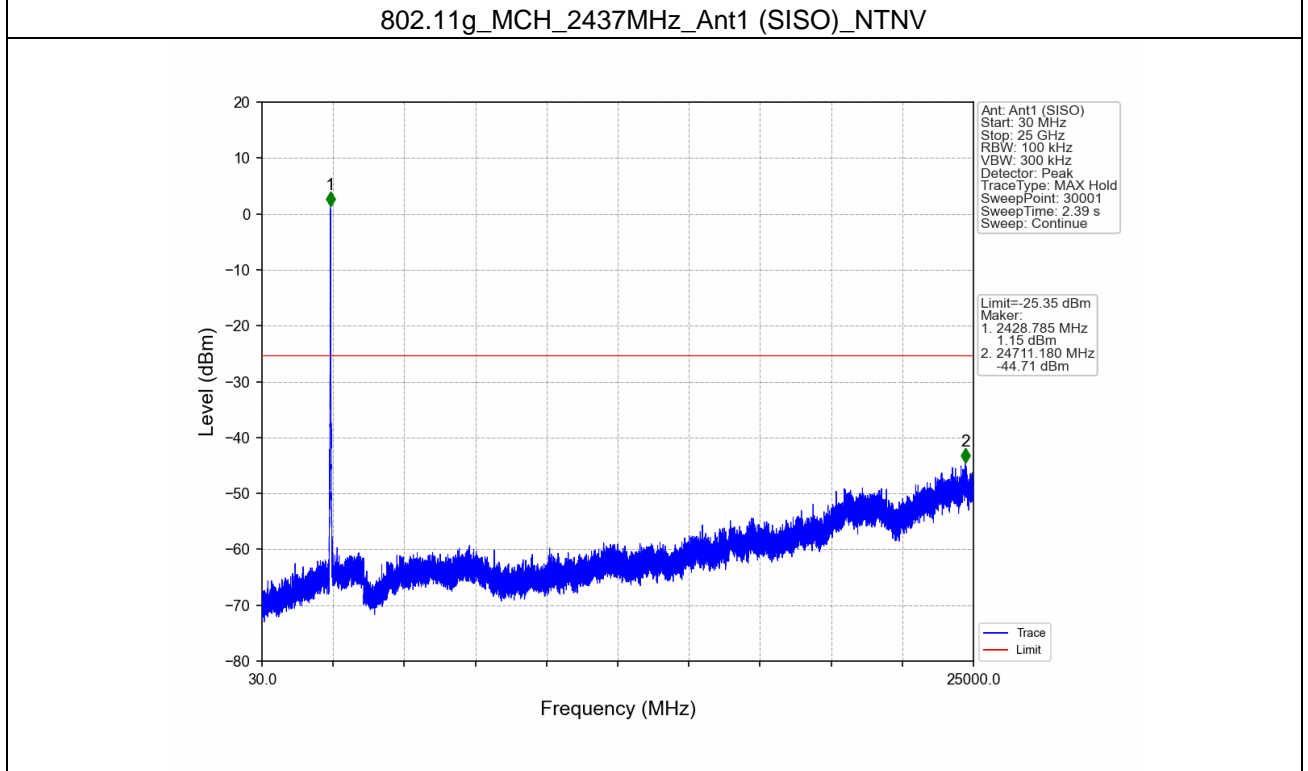
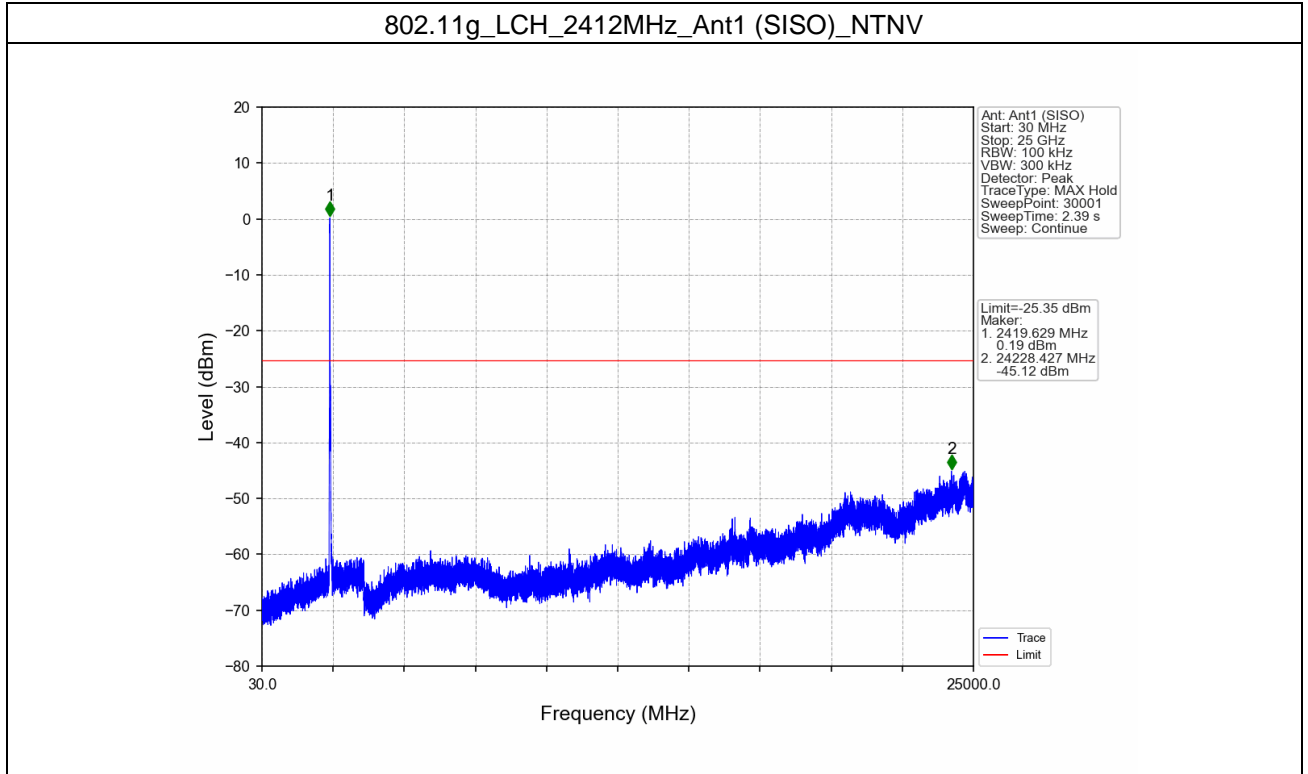
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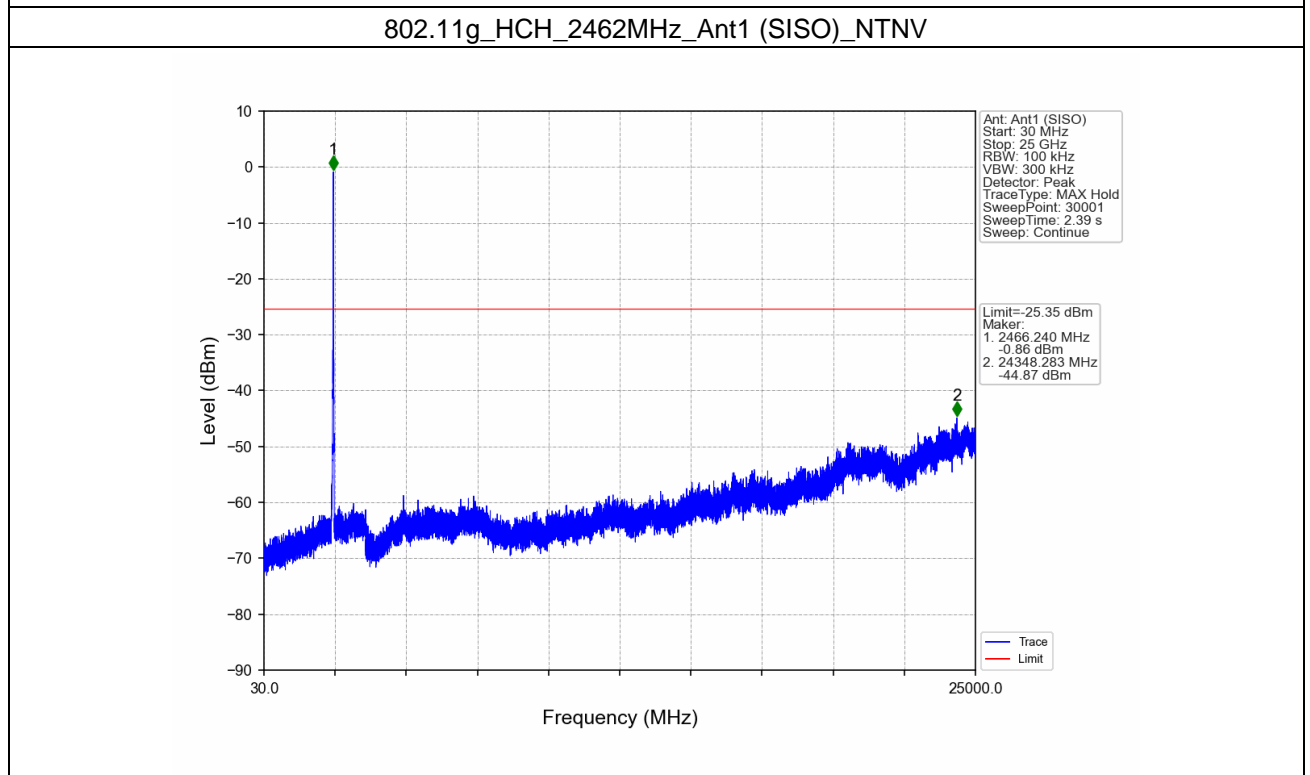
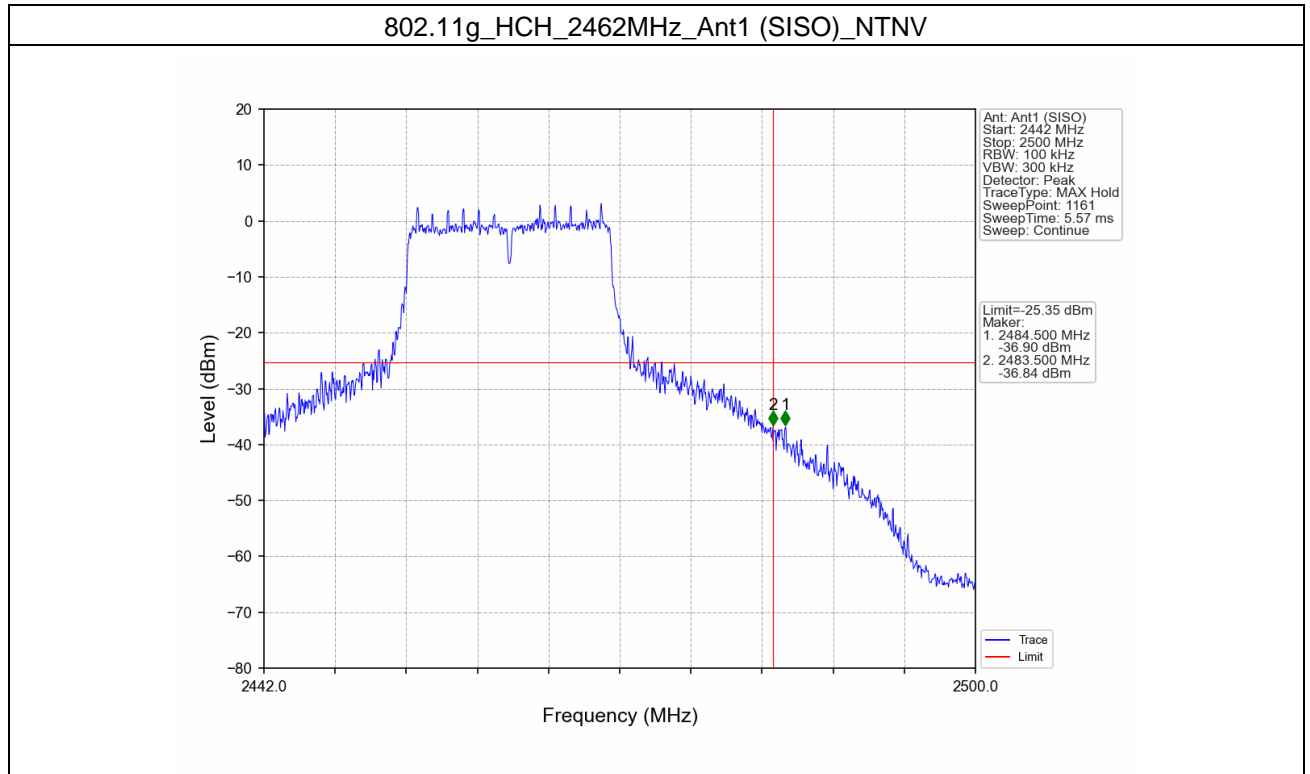


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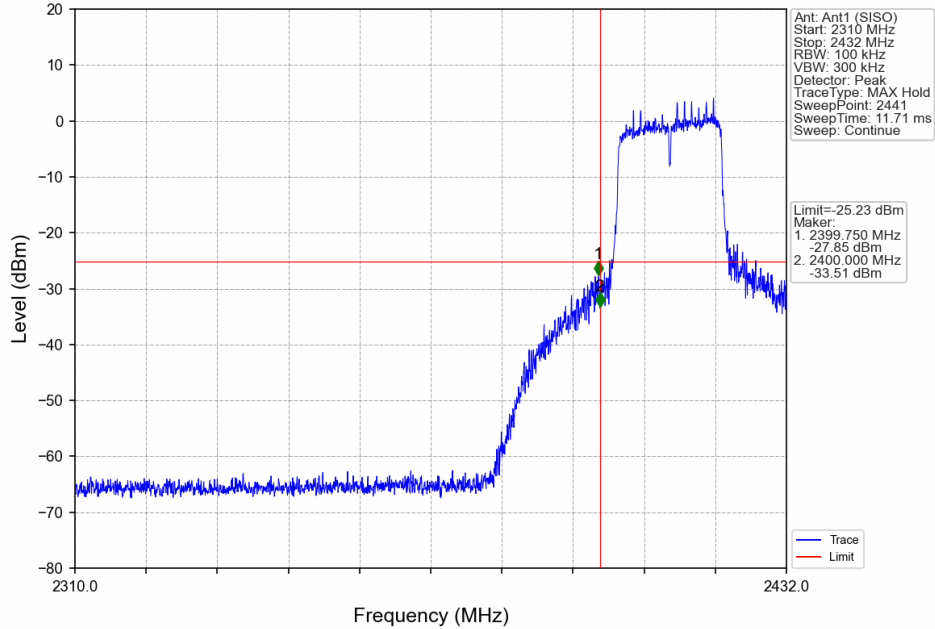
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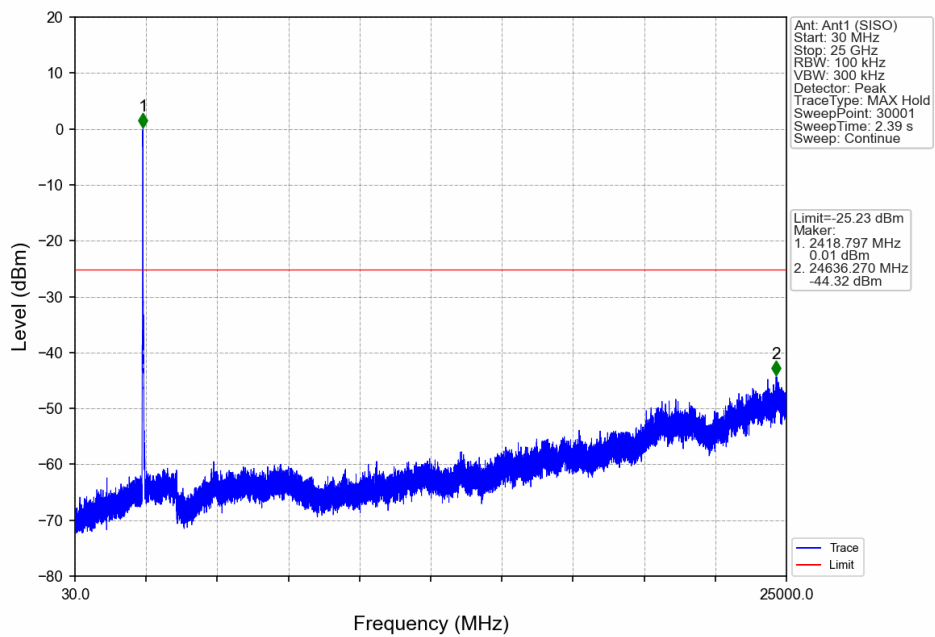
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



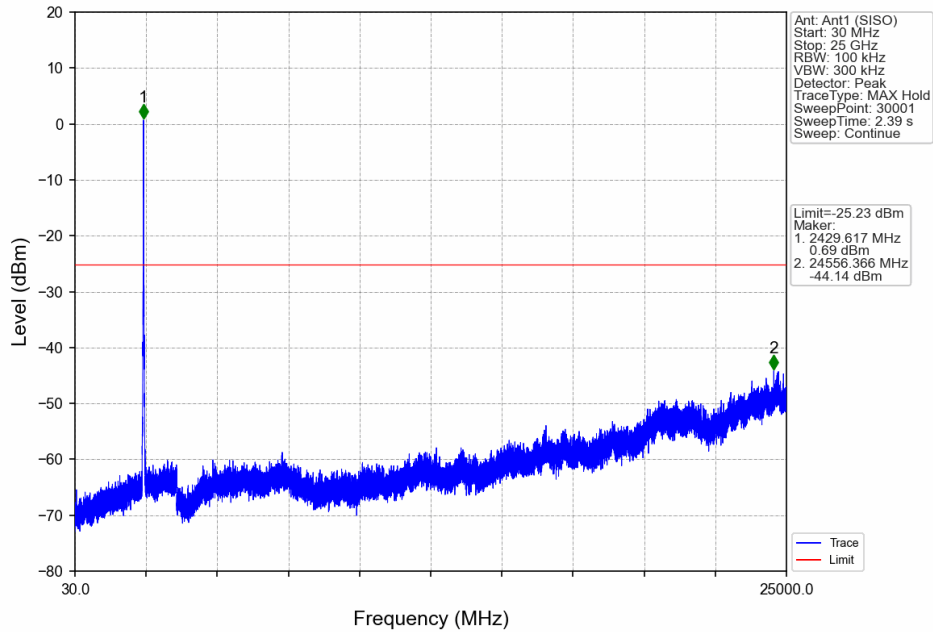
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



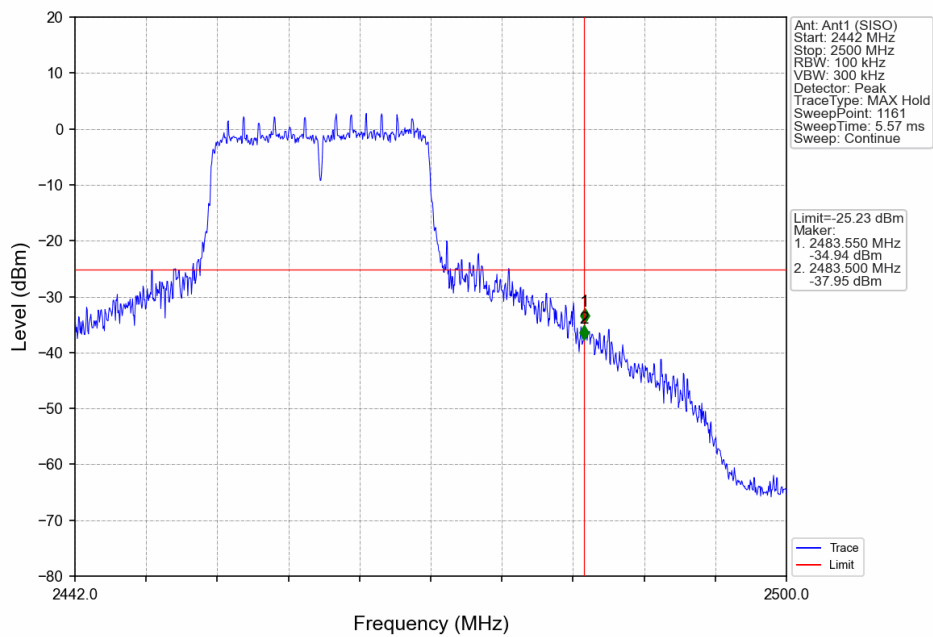
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

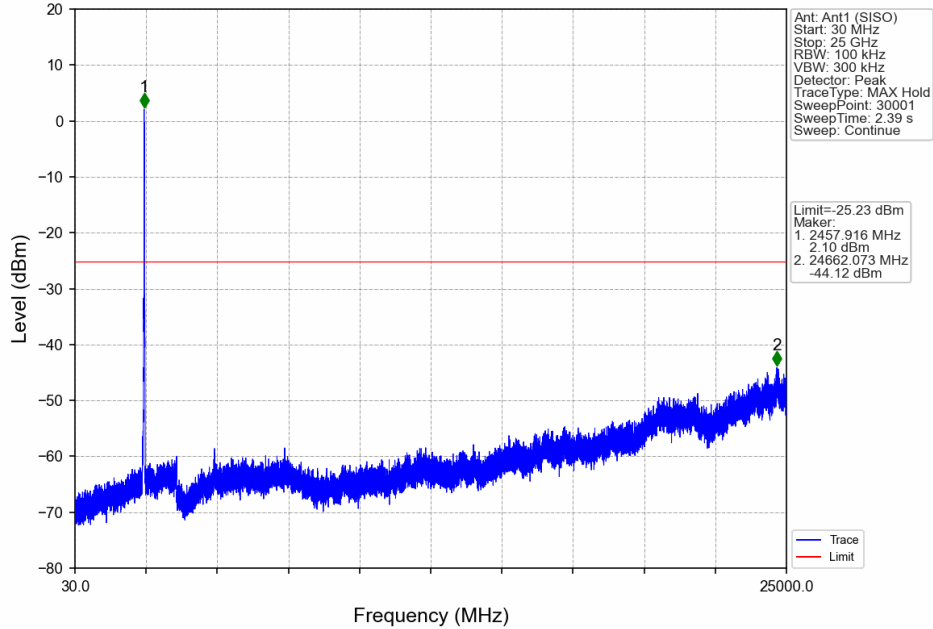


802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

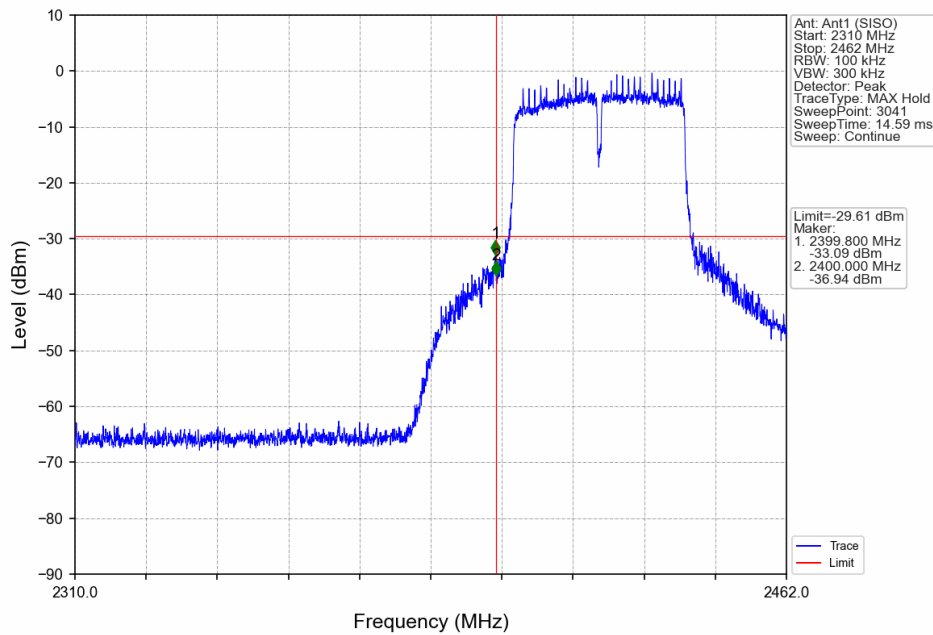


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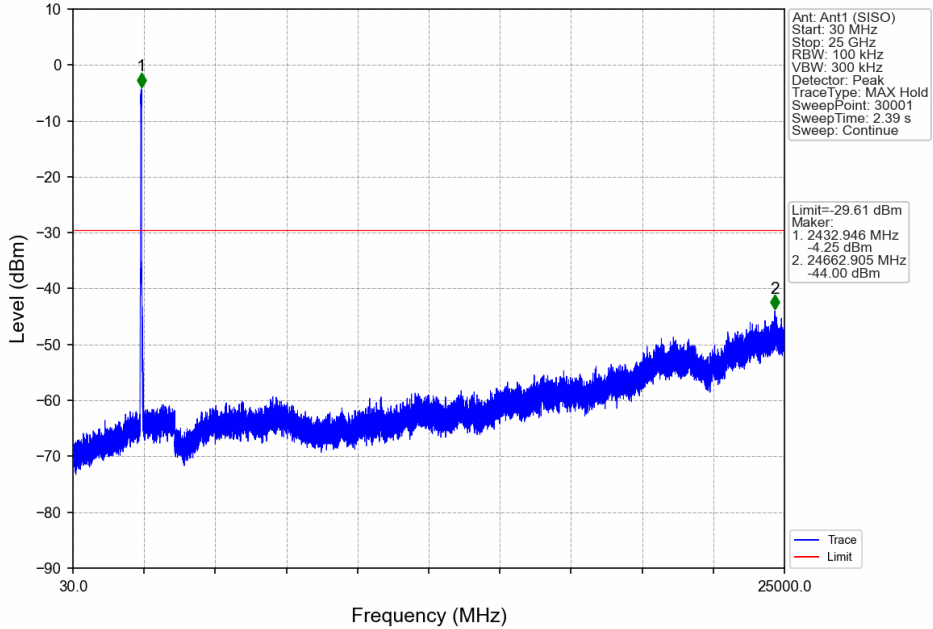


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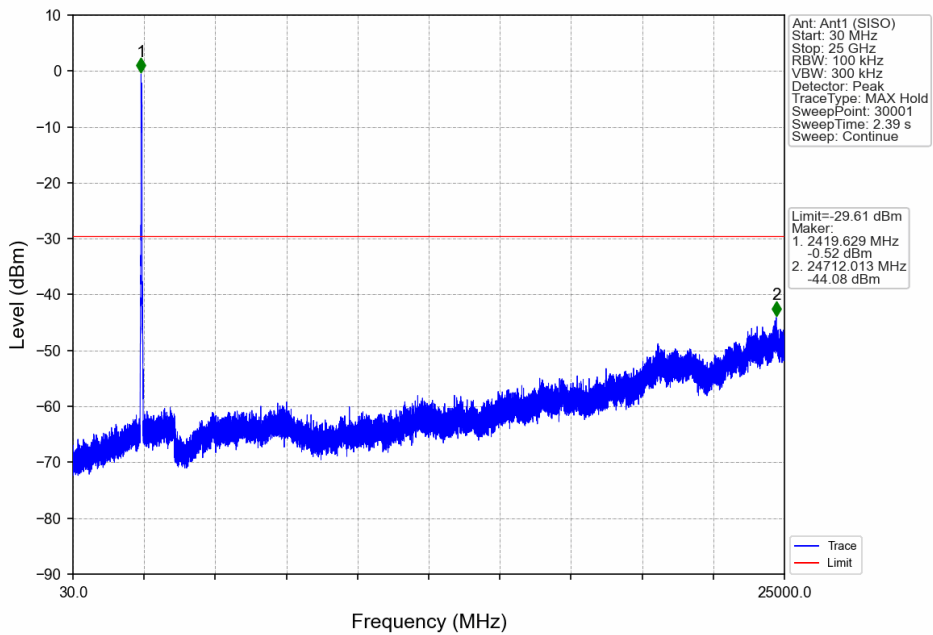


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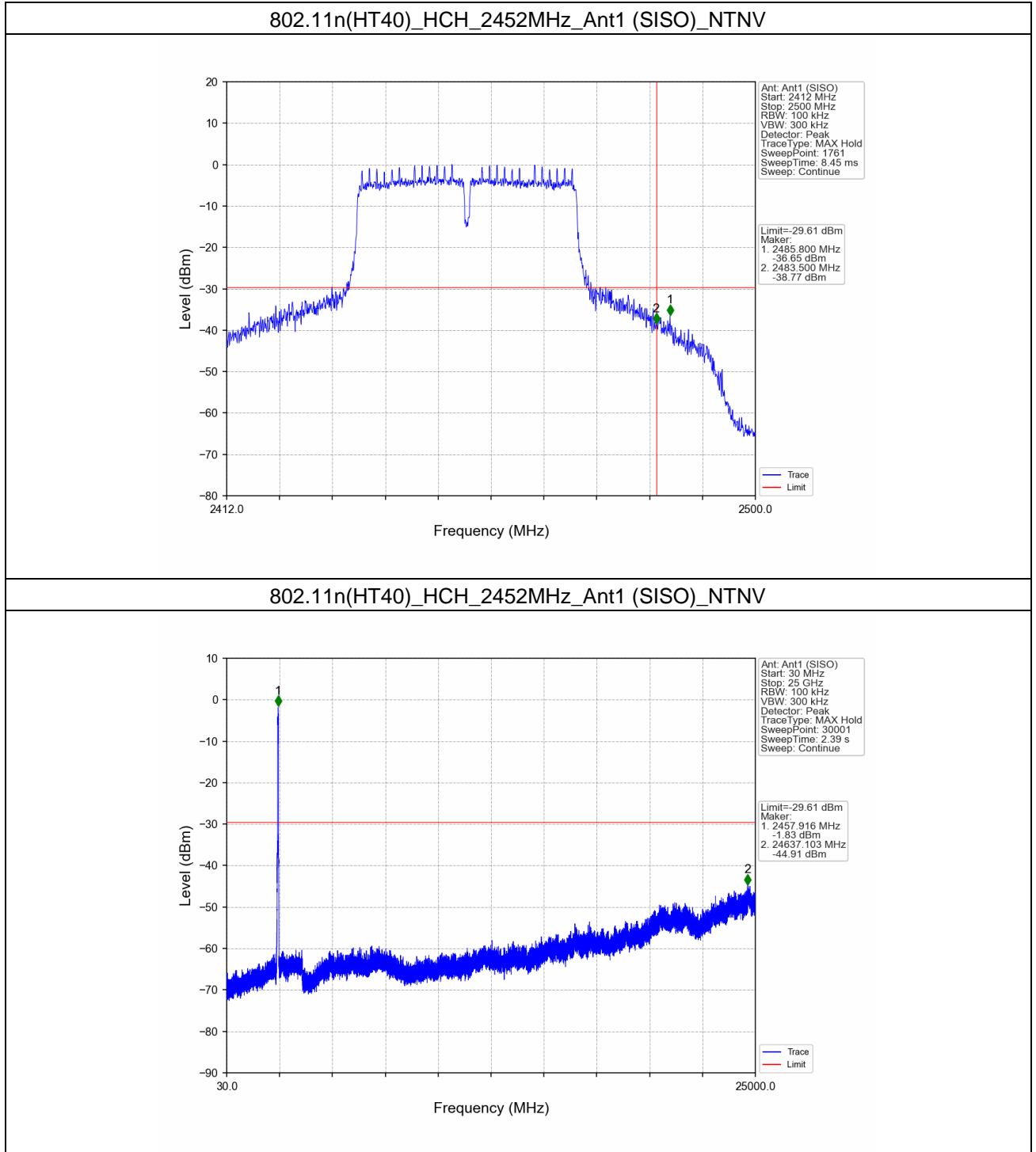
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