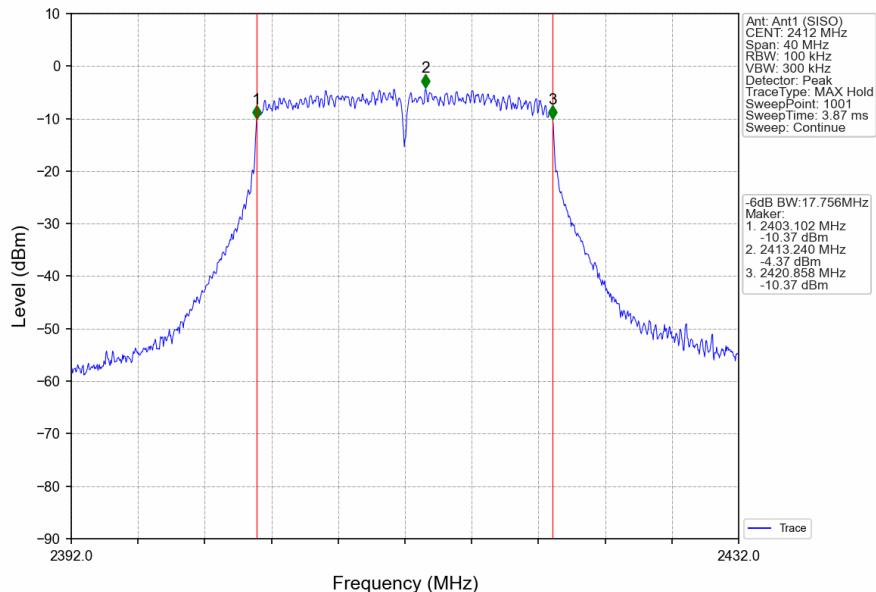
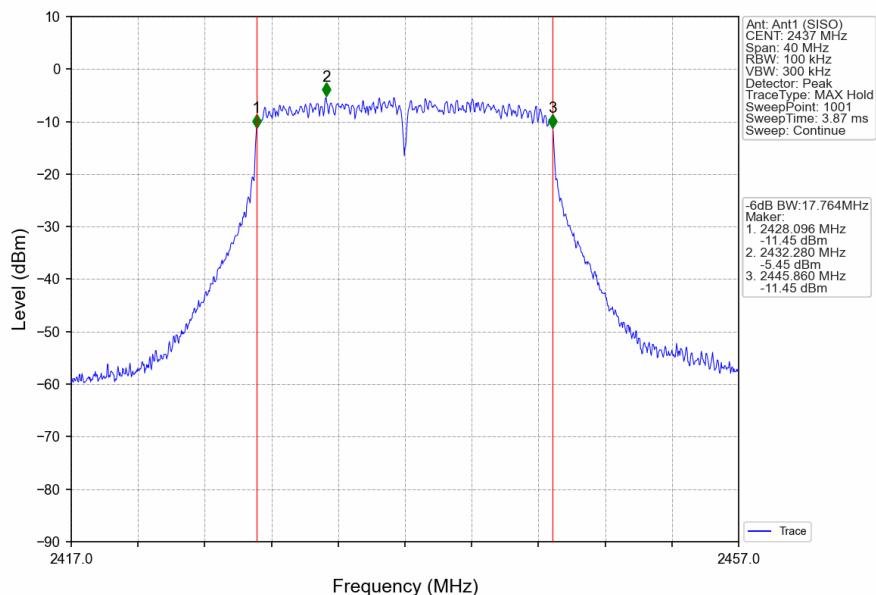
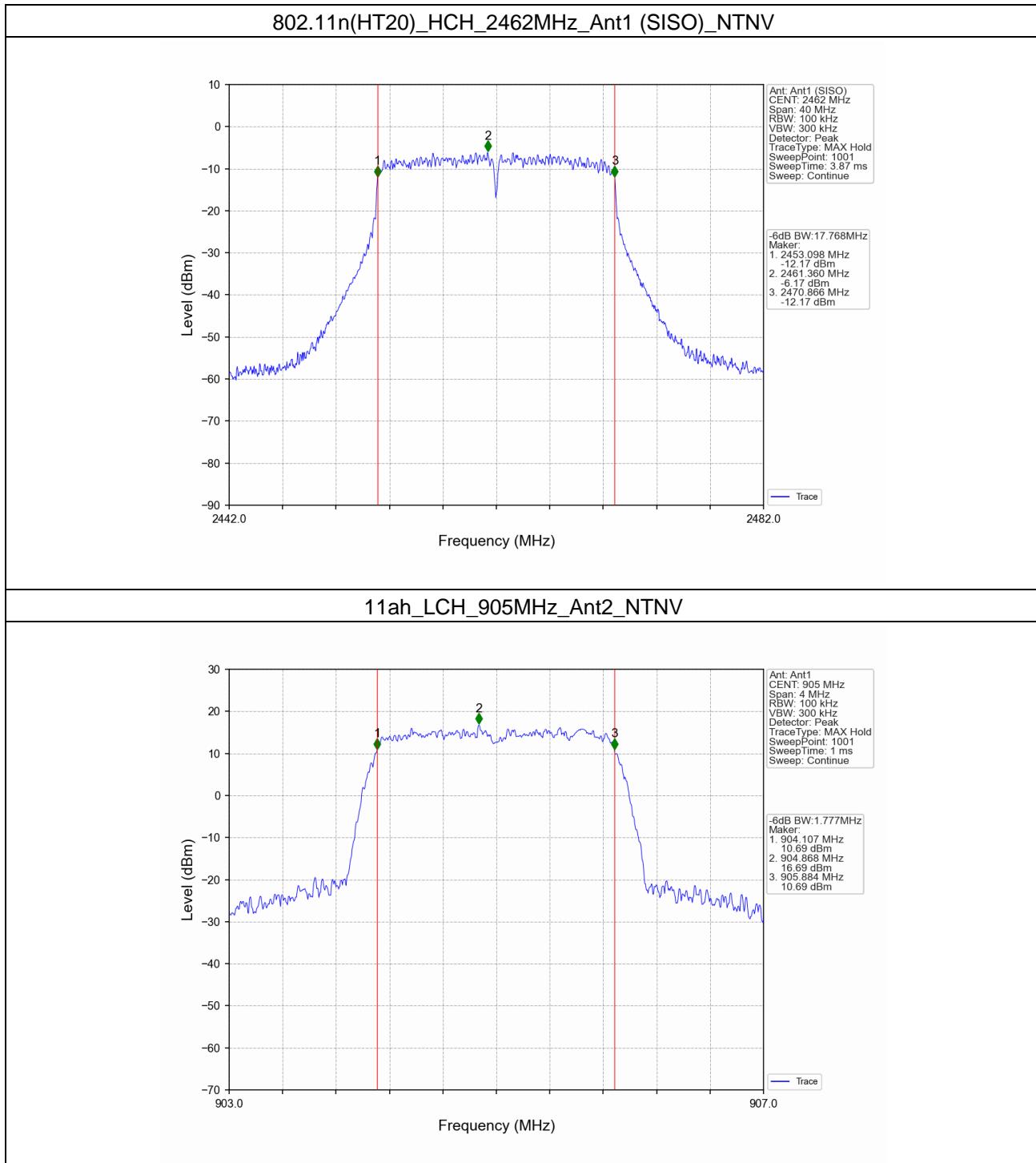


**802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV****802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV**

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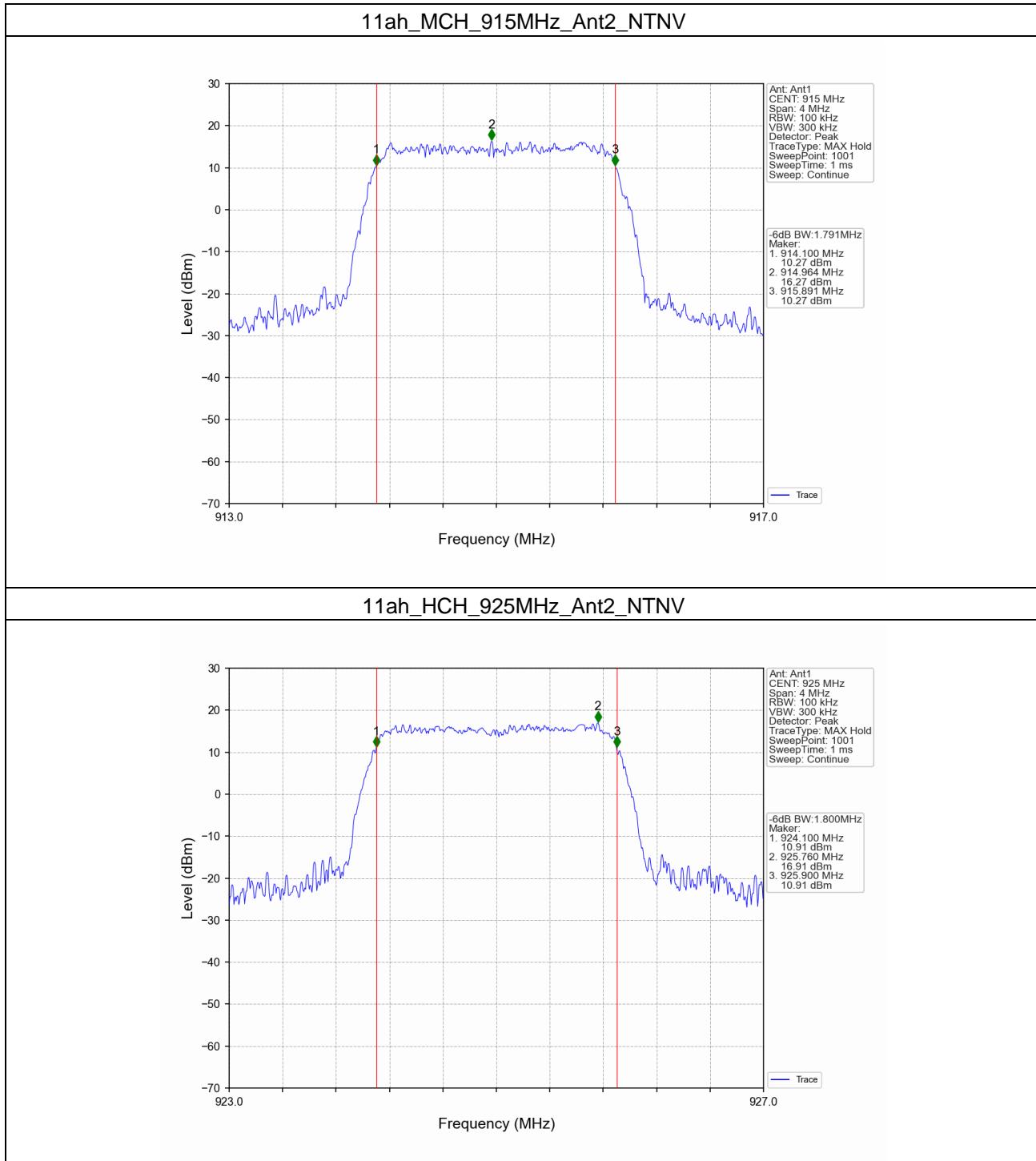




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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|----------------|---------|-----------------|---|-------|---------|
|                |         |                 | ANT1                                      | Limit |         |
| 802.11b        | SISO    | 2412            | 16.89                                     | <=30  | Pass    |
|                |         | 2437            | 16.96                                     | <=30  | Pass    |
|                |         | 2462            | 15.92                                     | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 16.92                                     | <=30  | Pass    |
|                |         | 2437            | 15.78                                     | <=30  | Pass    |
|                |         | 2462            | 15.11                                     | <=30  | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 16.33                                     | <=30  | Pass    |
|                |         | 2437            | 15.39                                     | <=30  | Pass    |
|                |         | 2462            | 14.63                                     | <=30  | Pass    |

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|------|---------|-----------------|---|-------|---------|
|      |         |                 | ANT2                                      | Limit |         |
| 11ah | SISO    | 905             | 28.53                                     | <=30  | Pass    |
|      |         | 915             | 28.42                                     | <=30  | Pass    |
|      |         | 925             | 28.57                                     | <=30  | Pass    |

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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                   | Limit |         |
| 802.11b        | SISO    | 2412            | -11.61                 | <=8   | Pass    |
|                |         | 2437            | -11.52                 | <=8   | Pass    |
|                |         | 2462            | -12.42                 | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -17.39                 | <=8   | Pass    |
|                |         | 2437            | -18.72                 | <=8   | Pass    |
|                |         | 2462            | -19.52                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -18.95                 | <=8   | Pass    |
|                |         | 2437            | -19.79                 | <=8   | Pass    |
|                |         | 2462            | -20.52                 | <=8   | Pass    |

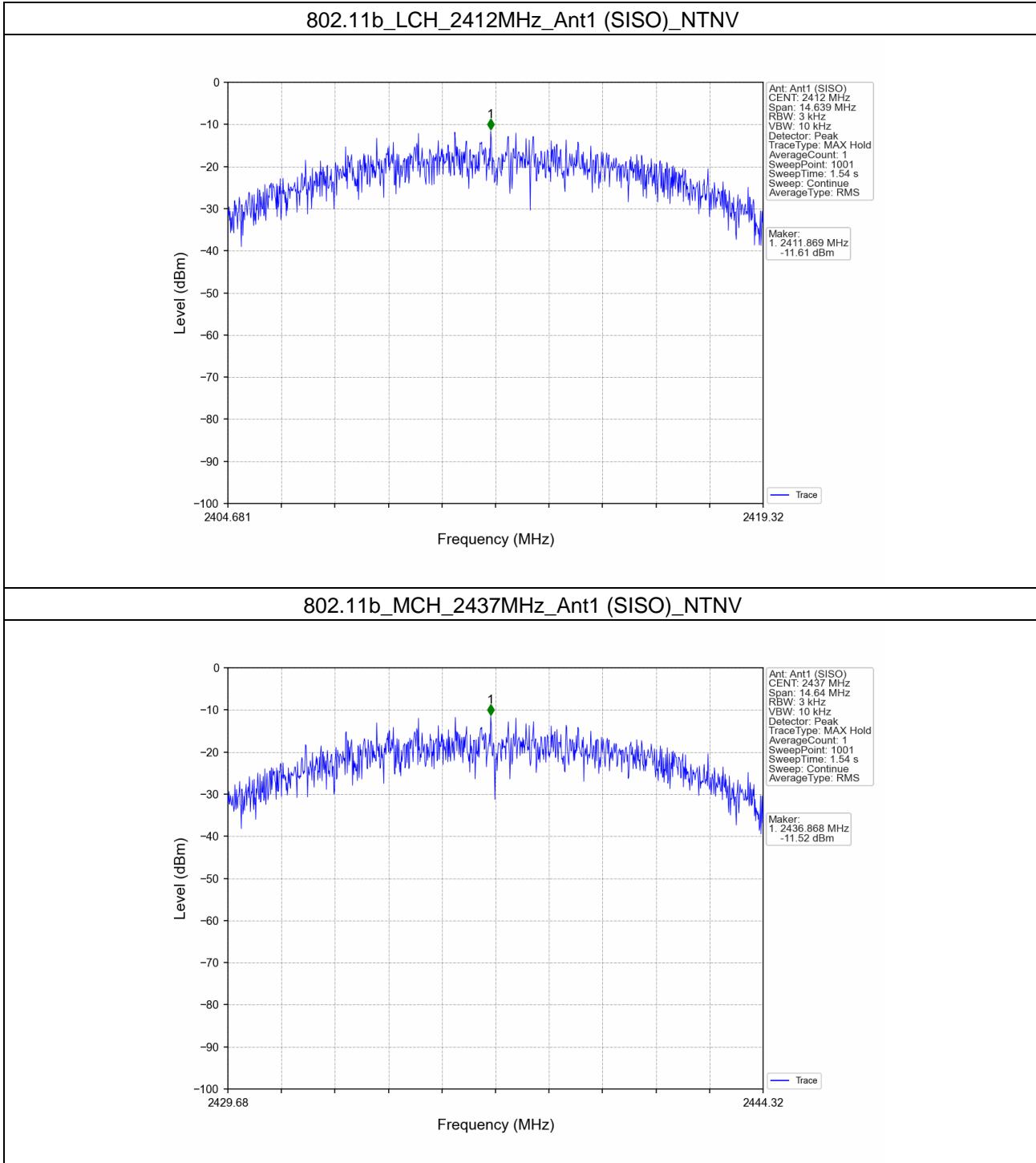
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|------|---------|-----------------|------------------------|-------|---------|
|      |         |                 | ANT2                   | Limit |         |
| 11ah | SISO    | 905             | 2.95                   | <=8   | Pass    |
|      |         | 915             | 3.26                   | <=8   | Pass    |
|      |         | 925             | 4.22                   | <=8   | Pass    |

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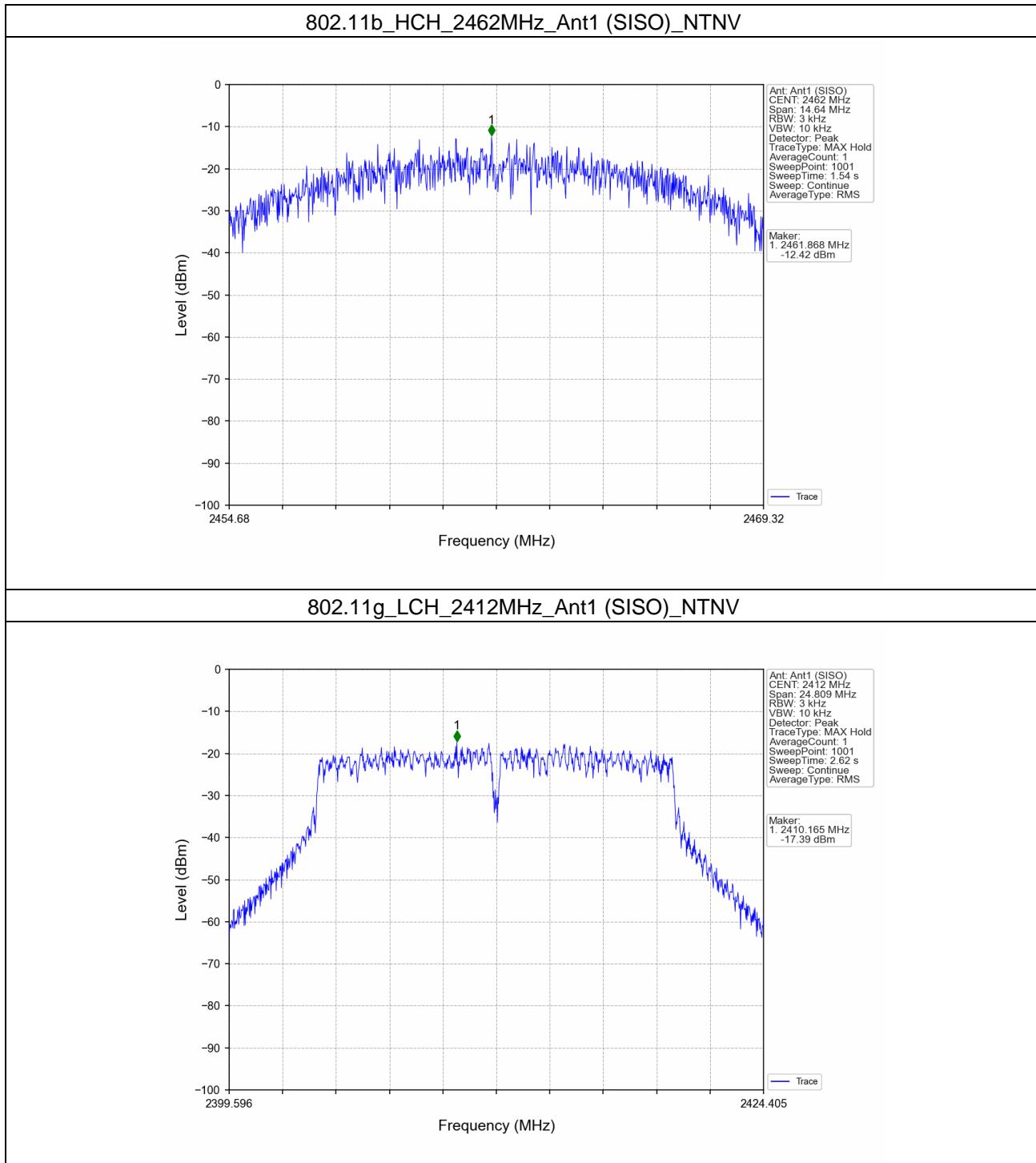
## 4.1.2 Test Graph



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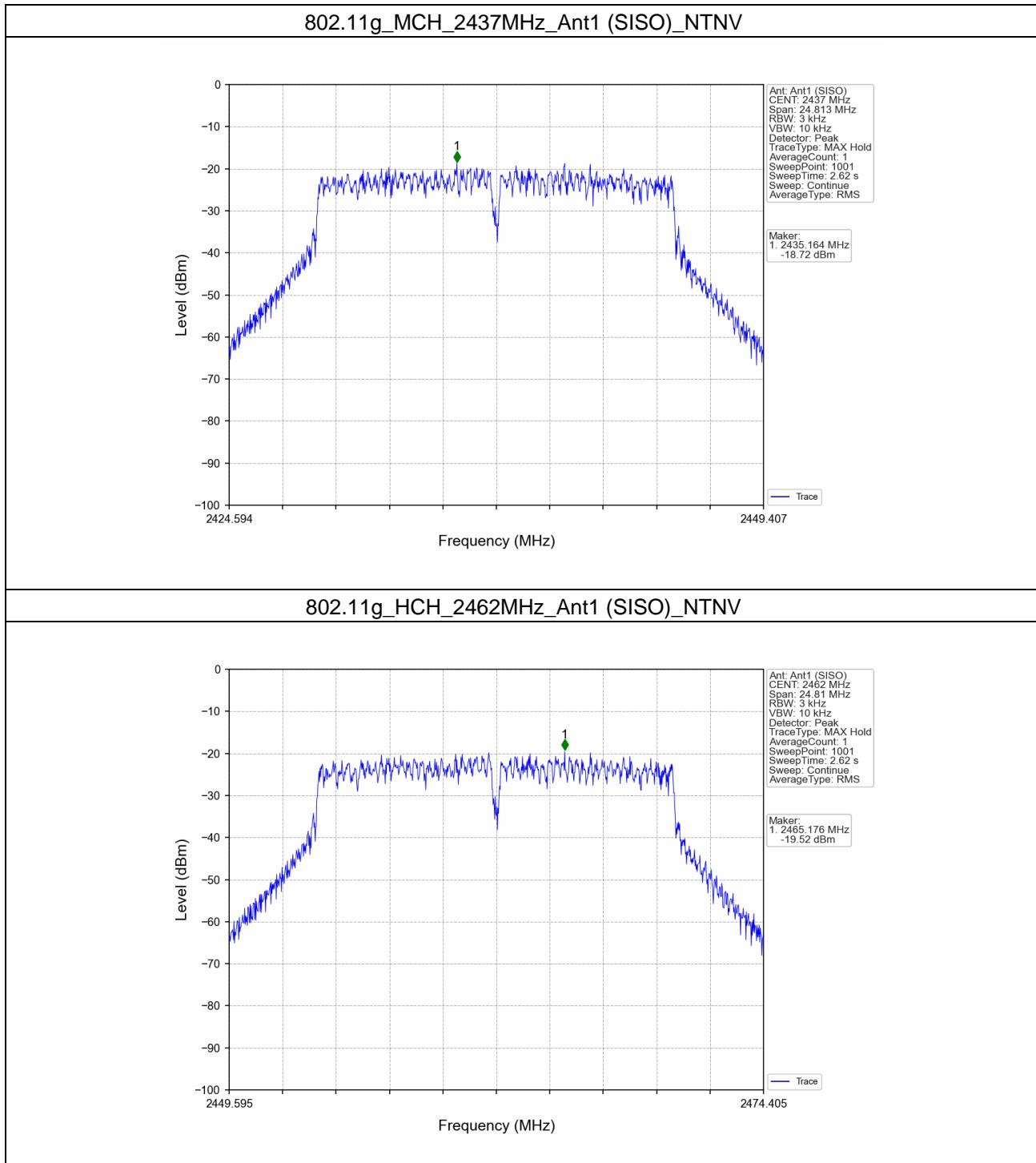




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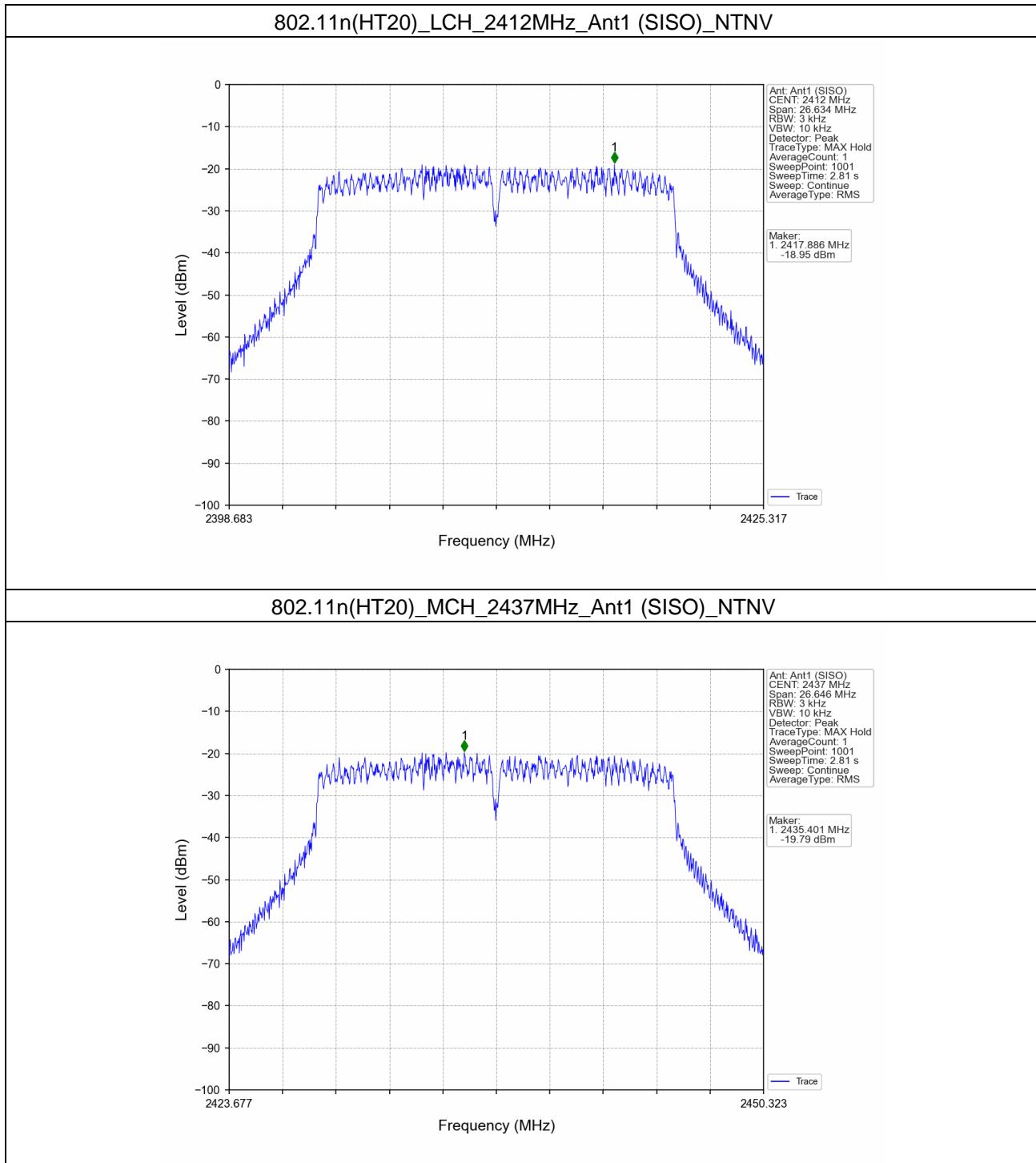




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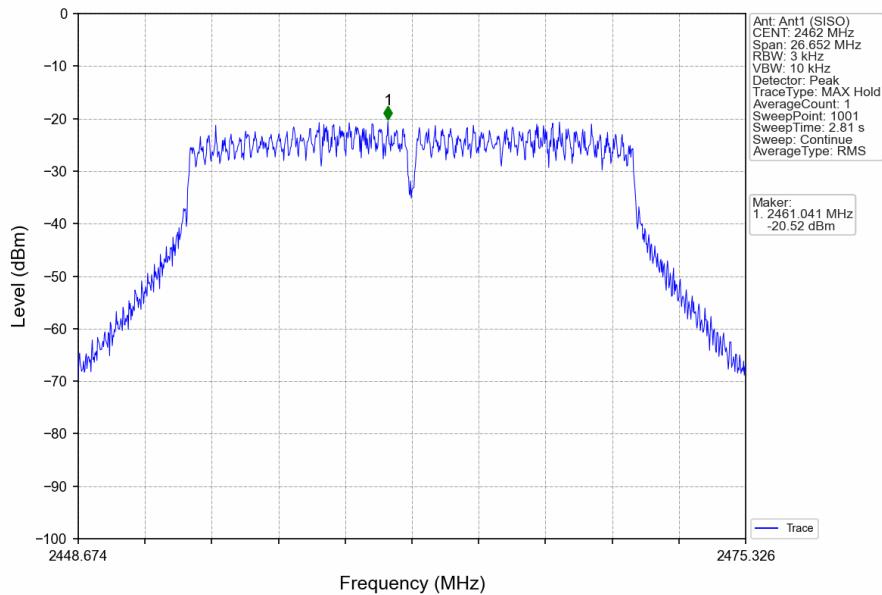
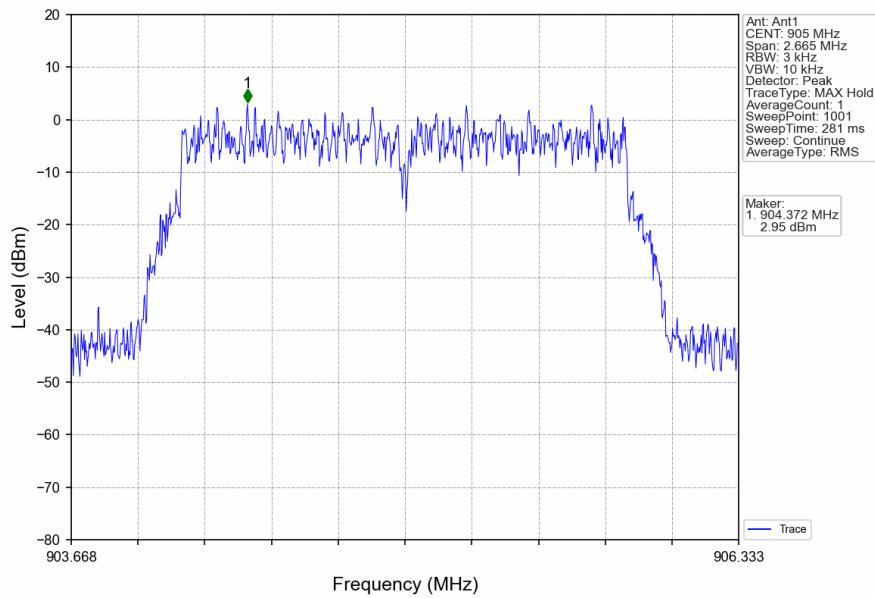




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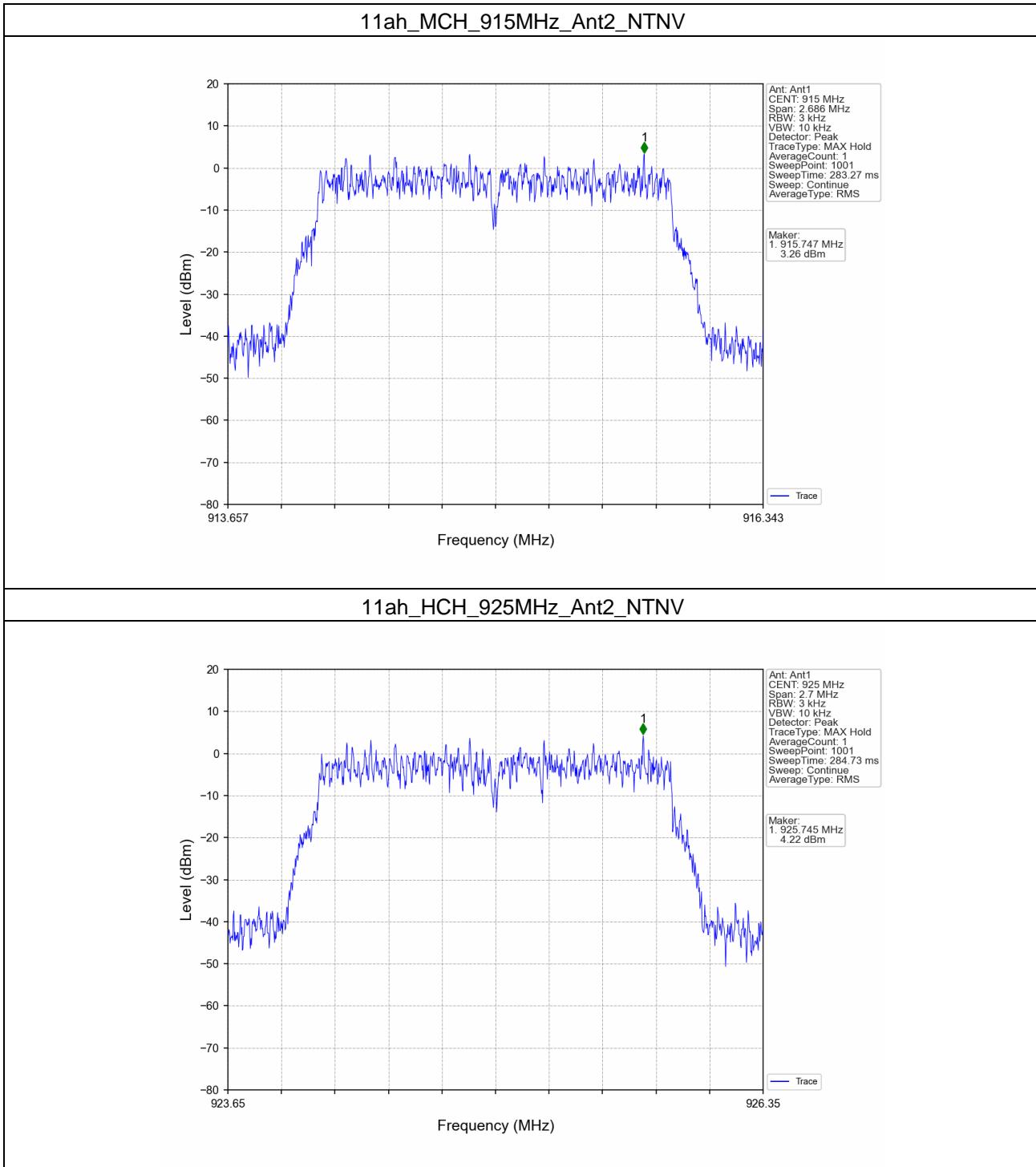


**802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV****11ah\_LCH\_905MHz\_Ant2\_NTNV**

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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   | 1.37                     |
|                |         | 2437            | 1   | 1.46                     |
|                |         | 2462            | 1   | 0.40                     |
| 802.11g        | SISO    | 2412            | 1   | -3.75                    |
|                |         | 2437            | 1   | -4.86                    |
|                |         | 2462            | 1   | -5.59                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -4.43                    |
|                |         | 2437            | 1   | -5.38                    |
|                |         | 2462            | 1   | -6.19                    |

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.

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|------|---------|-----------------|-----|--------------------------|
| 11ah | SISO    | 905             | 2   | 16.43                    |
|      |         | 915             | 2   | 15.99                    |
|      |         | 925             | 2   | 16.80                    |

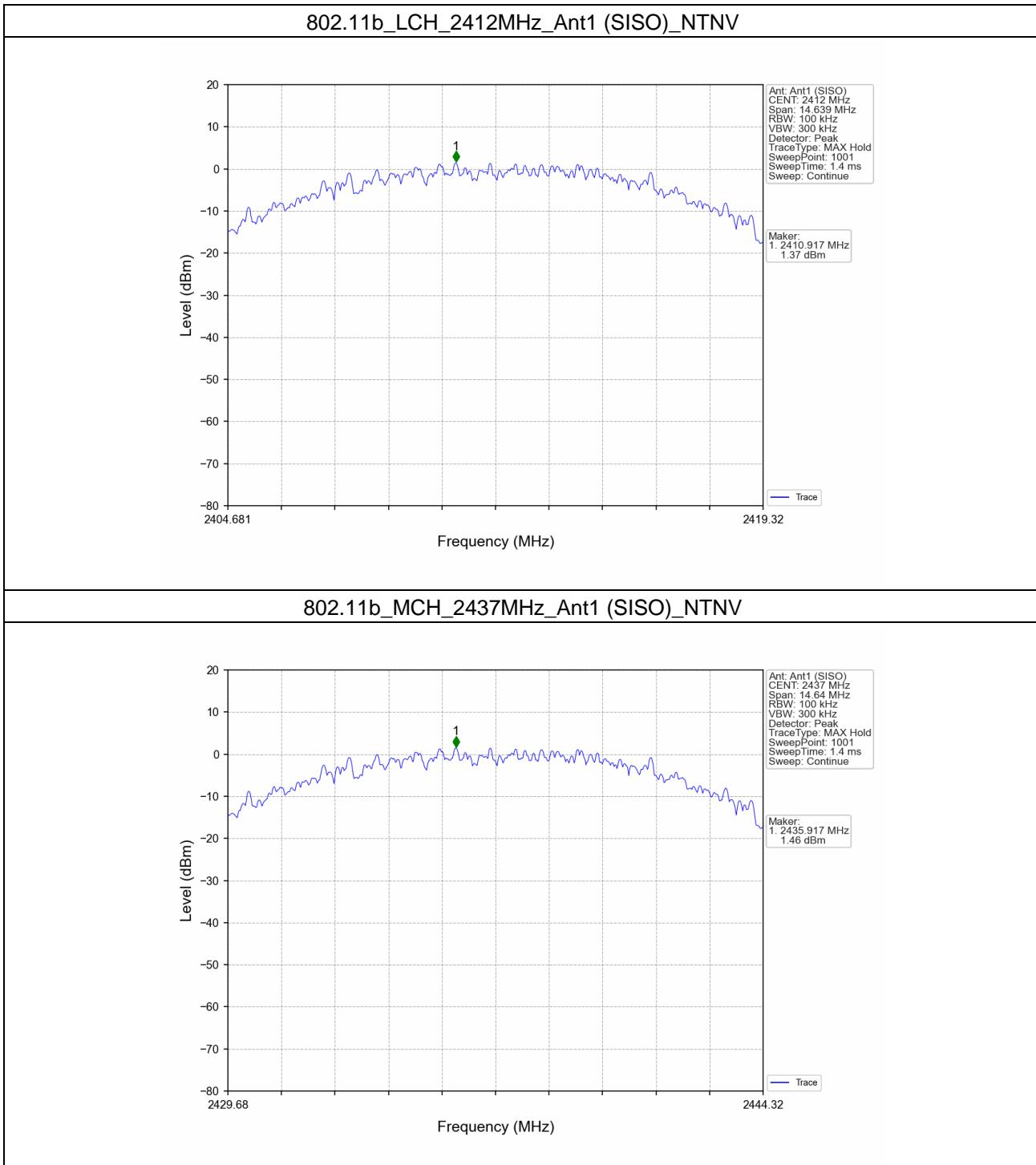
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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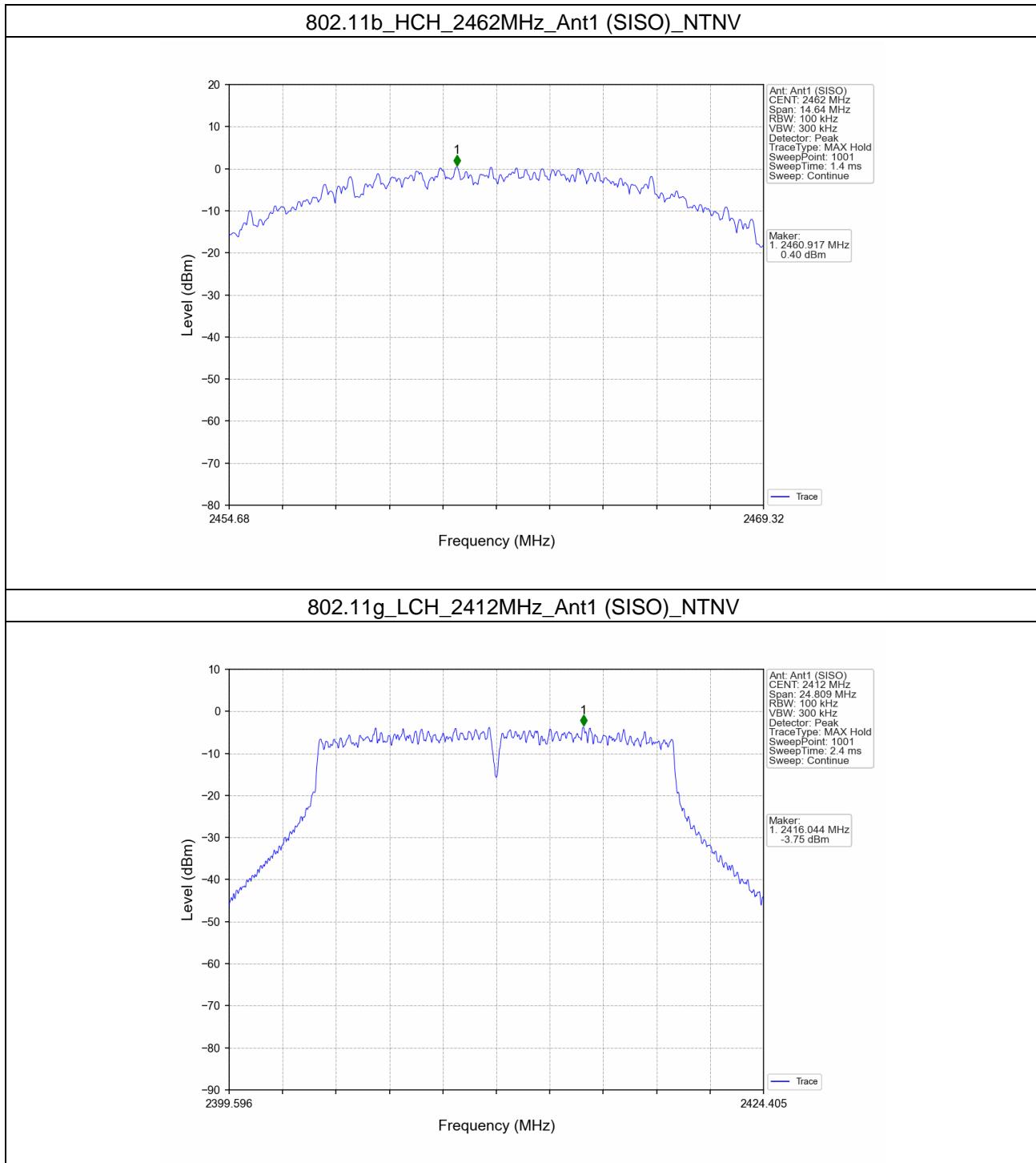
## 5.1.2 Test Graph



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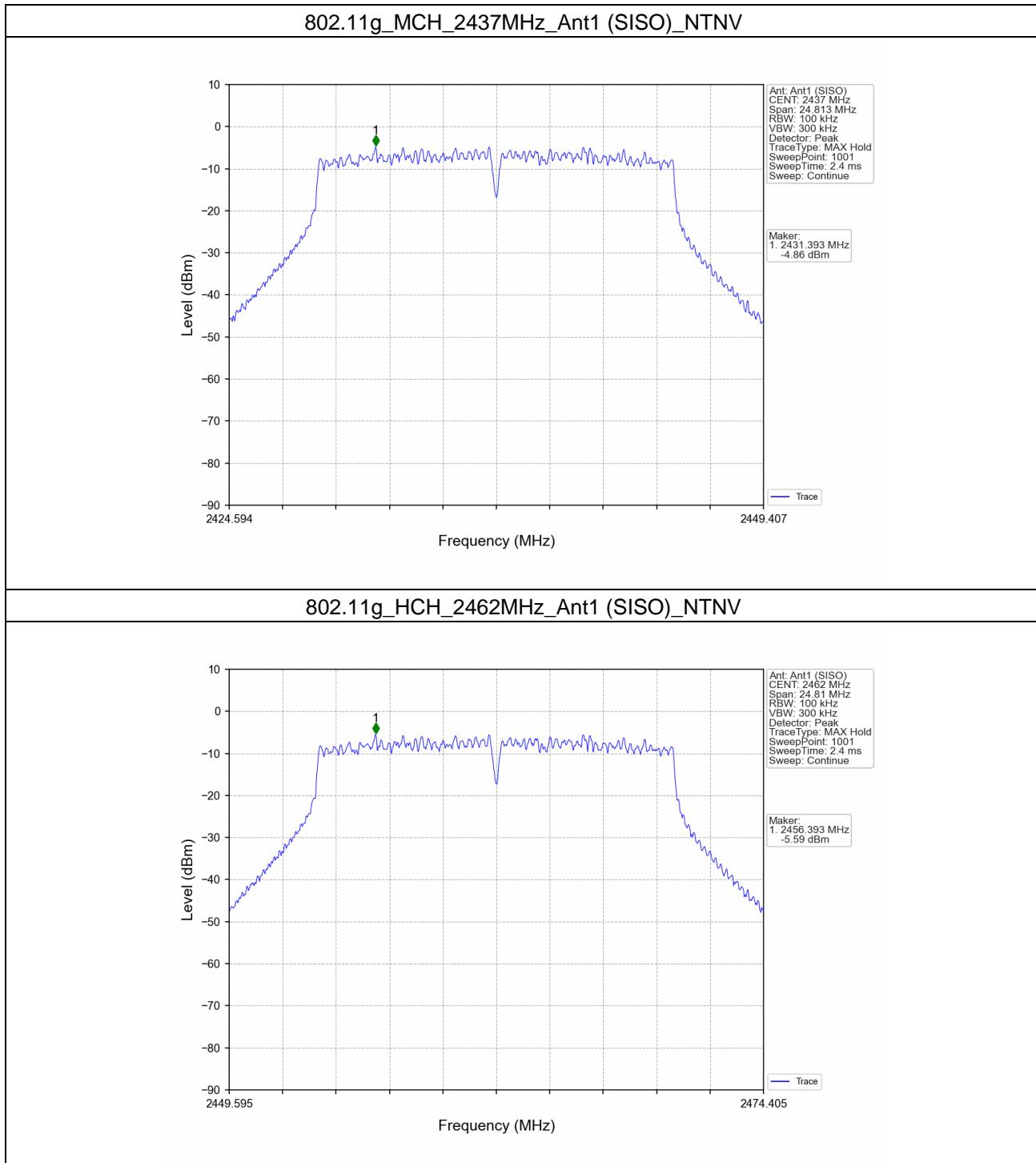
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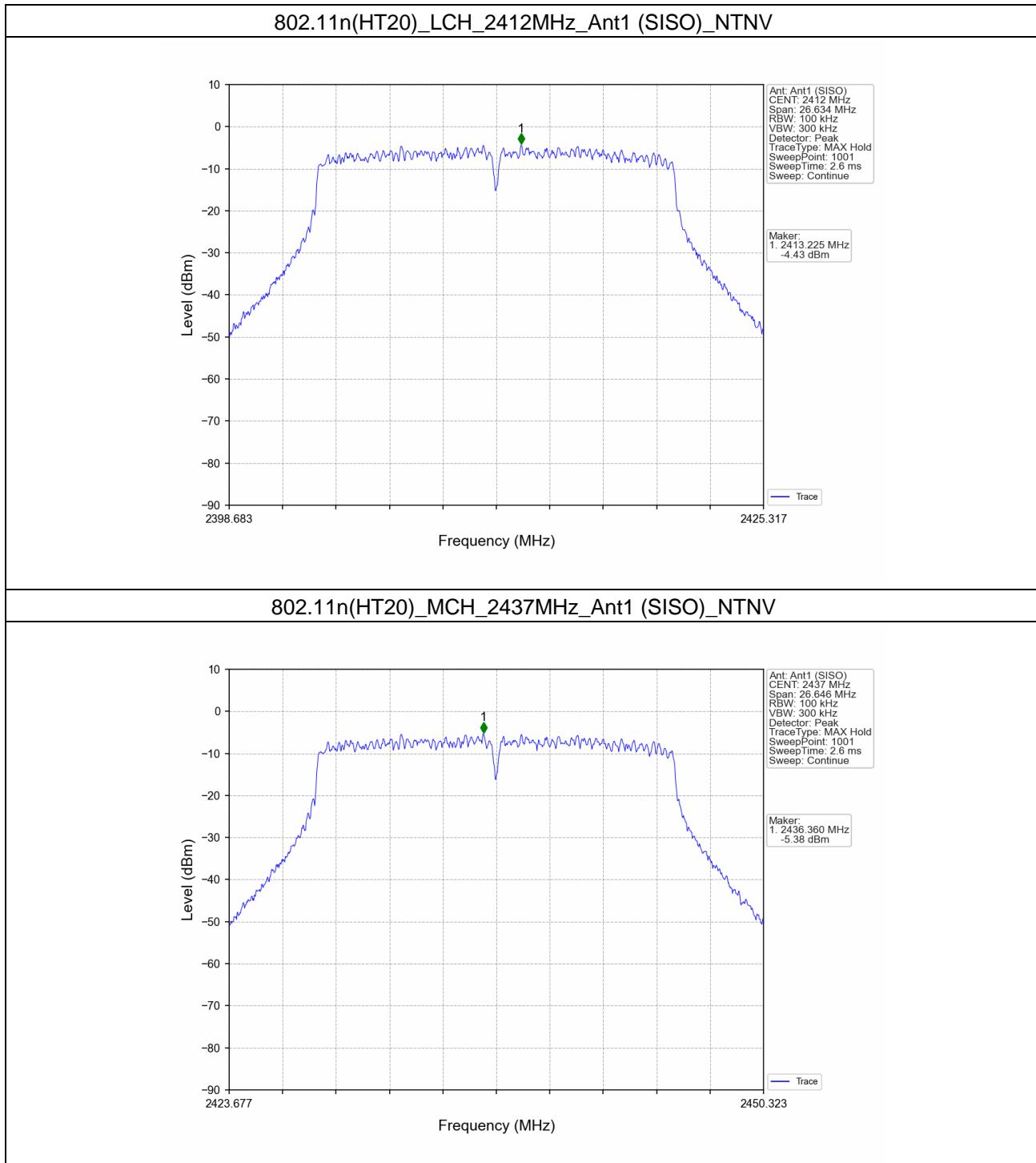
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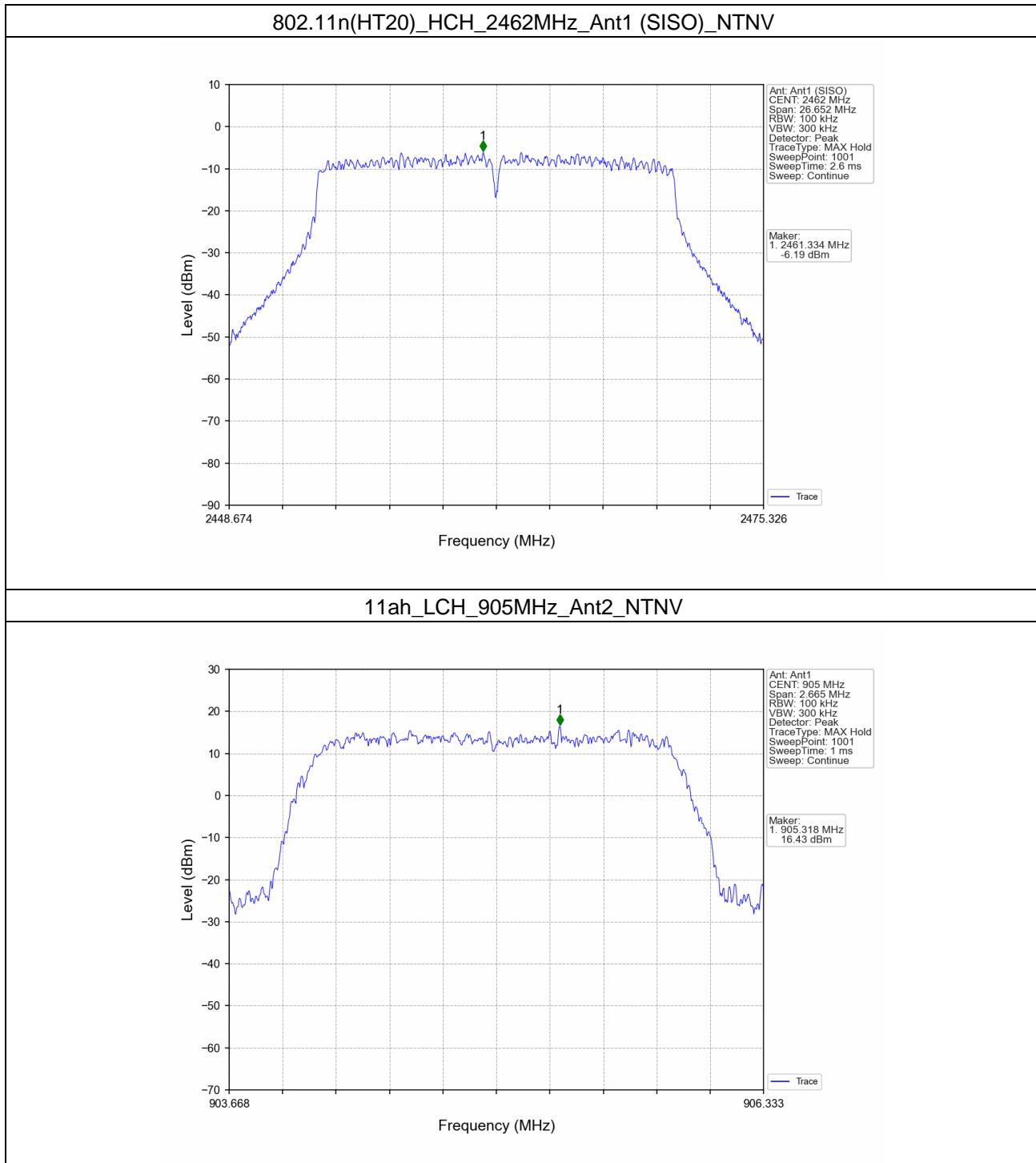


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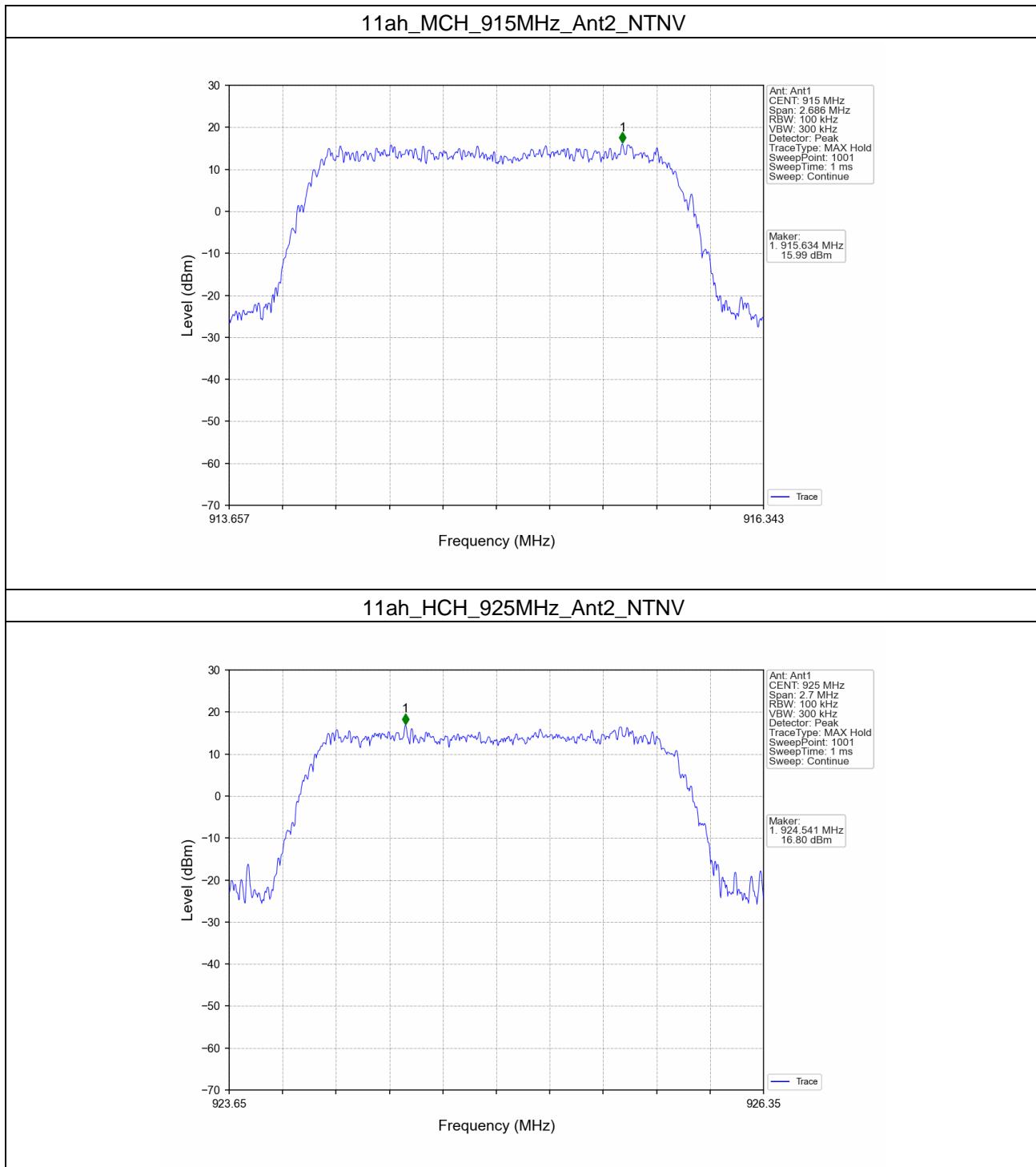




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## 5.2 CSE and Band Edges

### 5.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 1.46                     | -18.54      | Pass    |
|                |         | 2437            | 1   | 1.46                     | -18.54      | Pass    |
|                |         | 2462            | 1   | 1.46                     | -18.54      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -3.75                    | -23.75      | Pass    |
|                |         | 2437            | 1   | -3.75                    | -23.75      | Pass    |
|                |         | 2462            | 1   | -3.75                    | -23.75      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -4.43                    | -24.43      | Pass    |
|                |         | 2437            | 1   | -4.43                    | -24.43      | Pass    |
|                |         | 2462            | 1   | -4.43                    | -24.43      | 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.

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 11ah | SISO    | 905             | 2   | 16.80                    | -3.20       | Pass    |
|      |         | 915             | 2   | 16.80                    | -3.20       | Pass    |
|      |         | 925             | 2   | 16.80                    | -3.20       | Pass    |

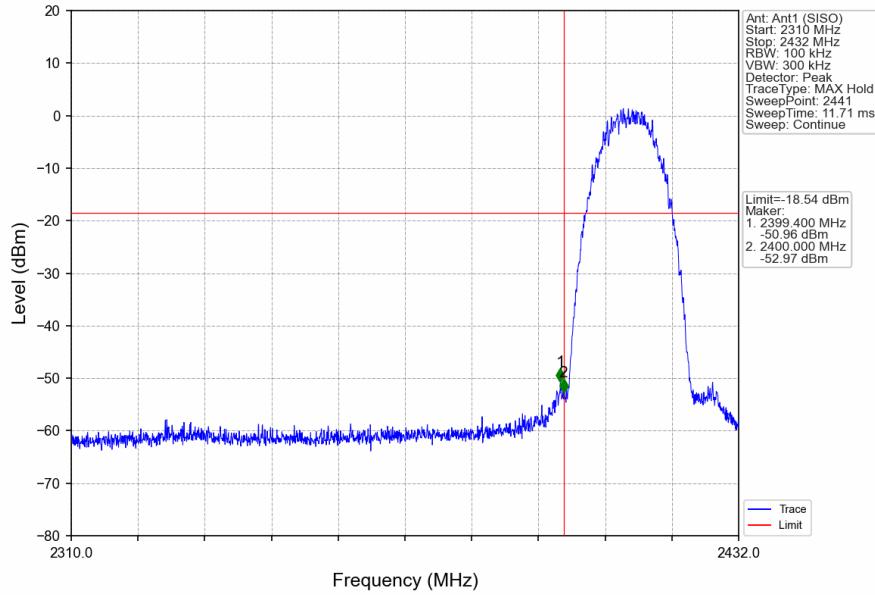
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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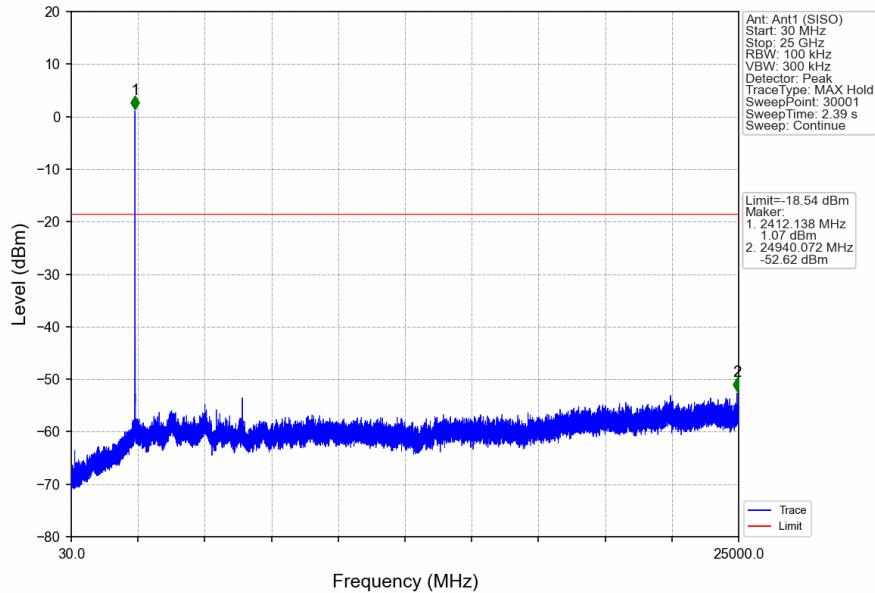
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## 5.2.2 Test Graph

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



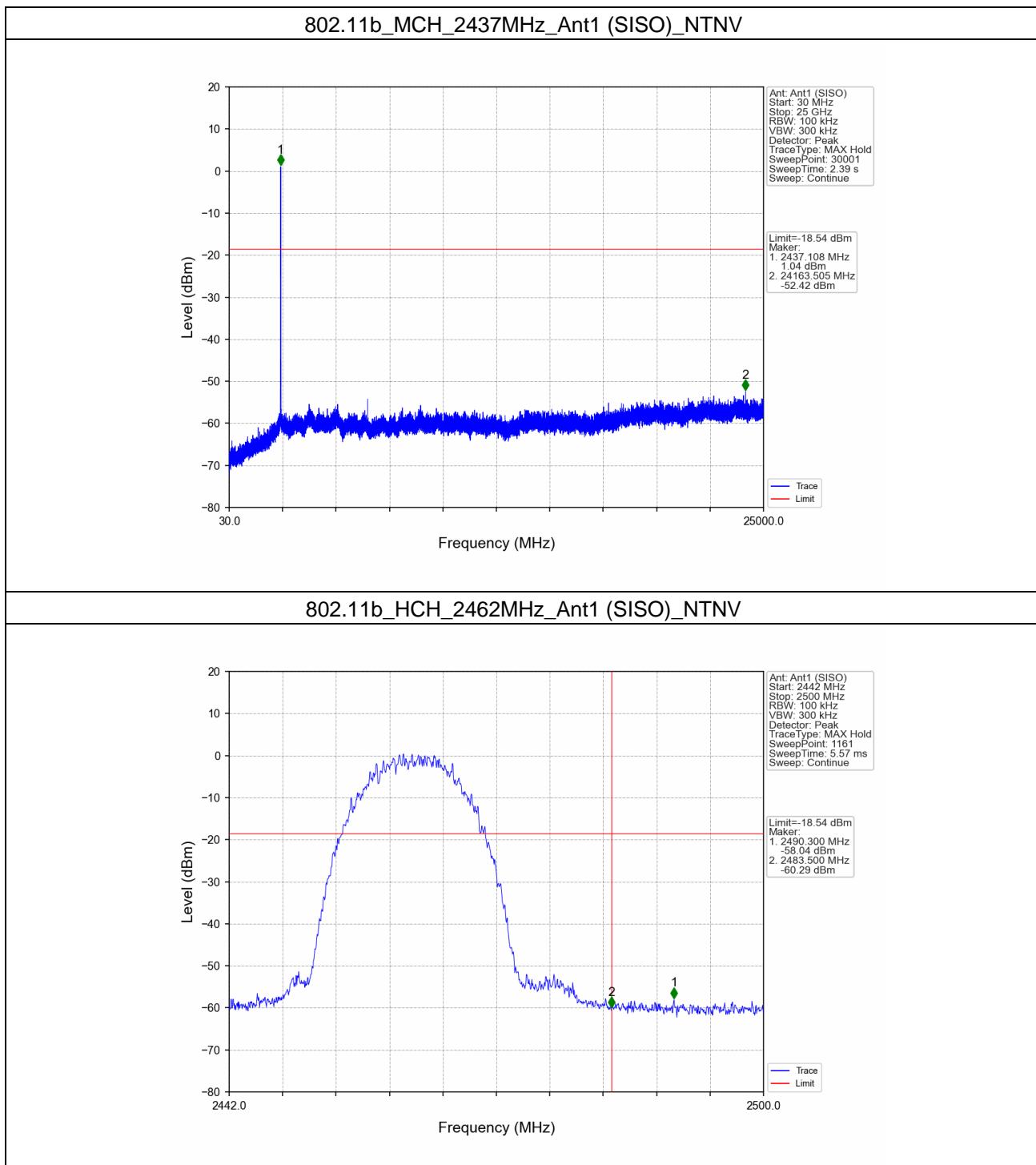
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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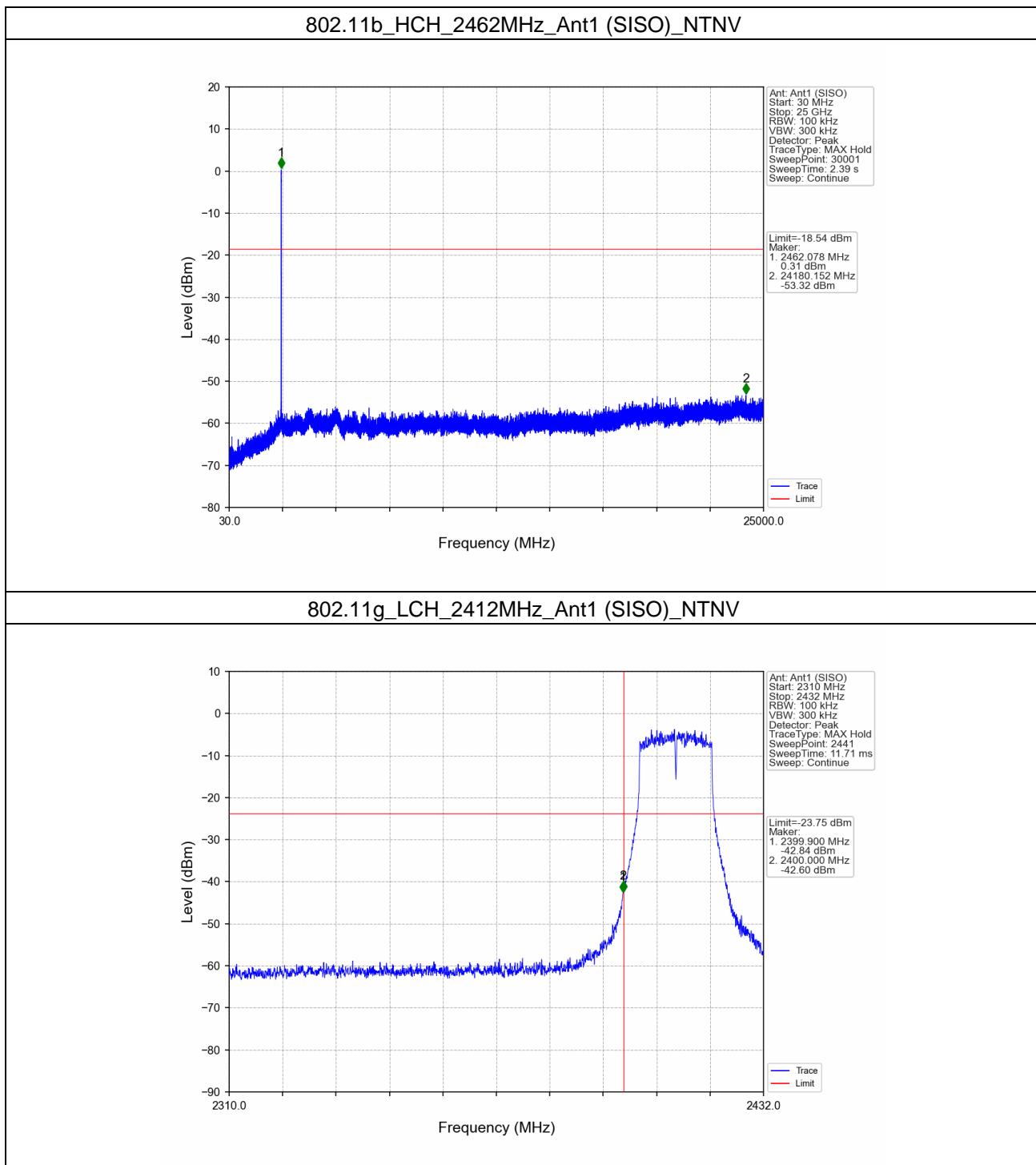




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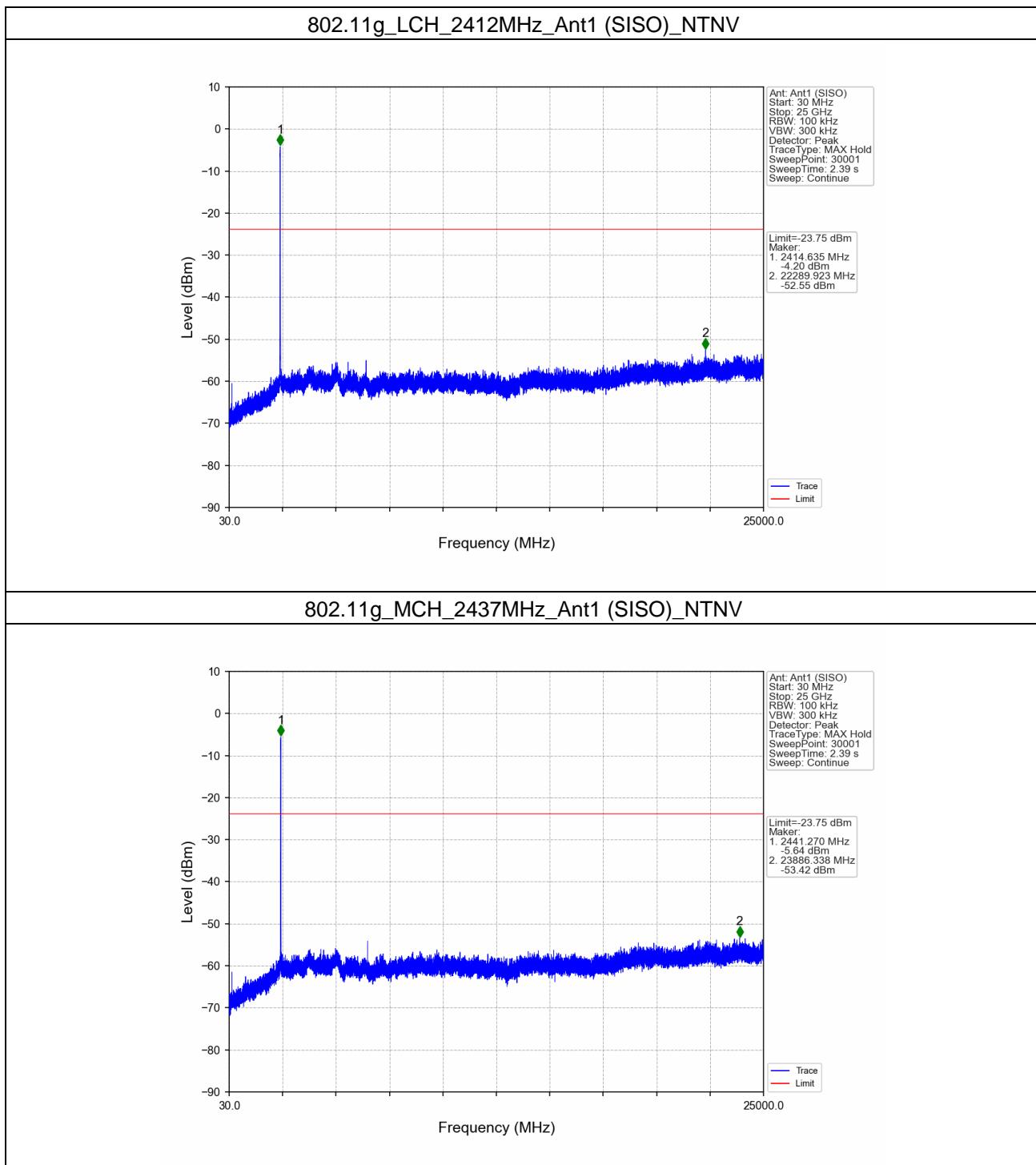




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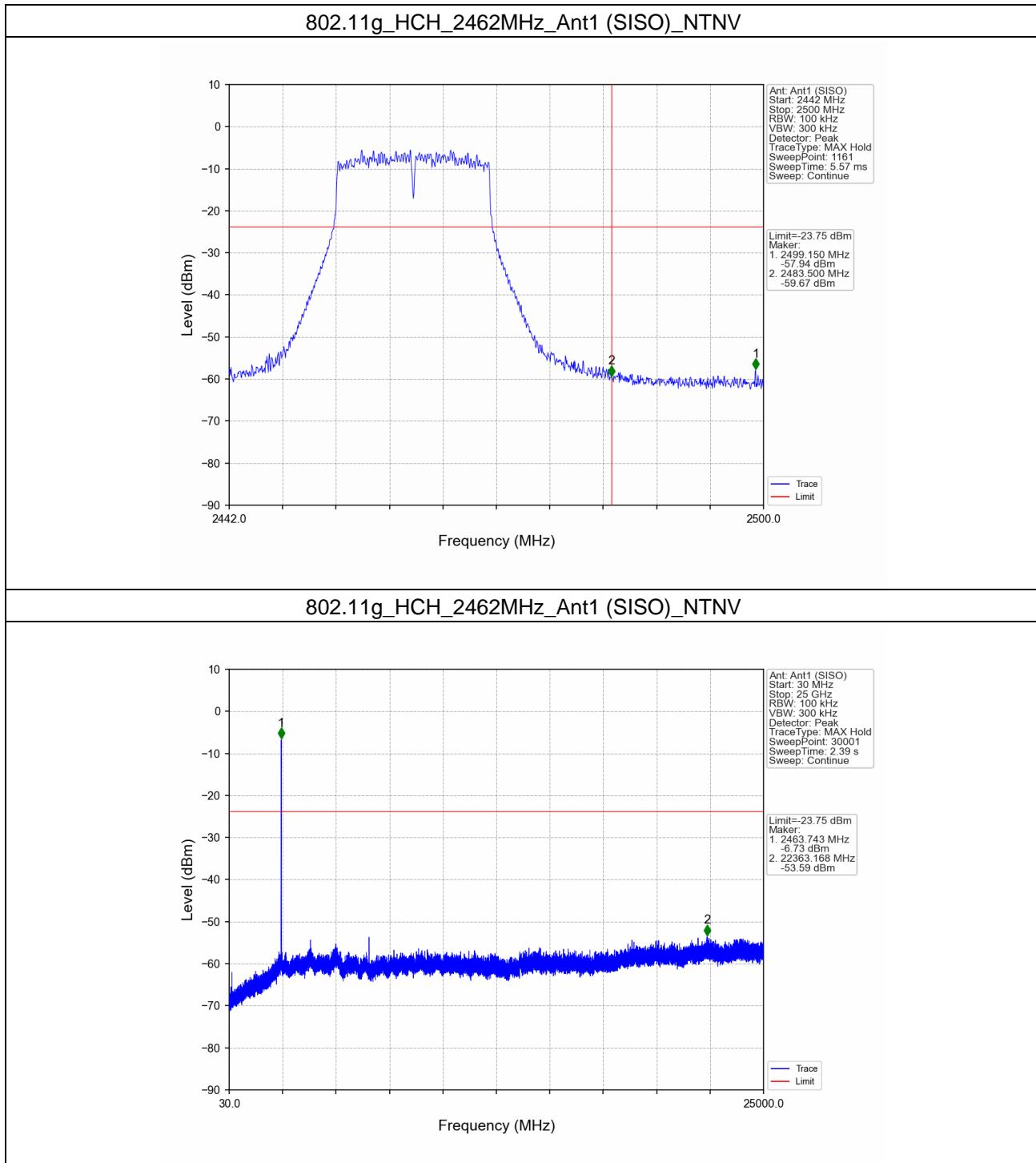




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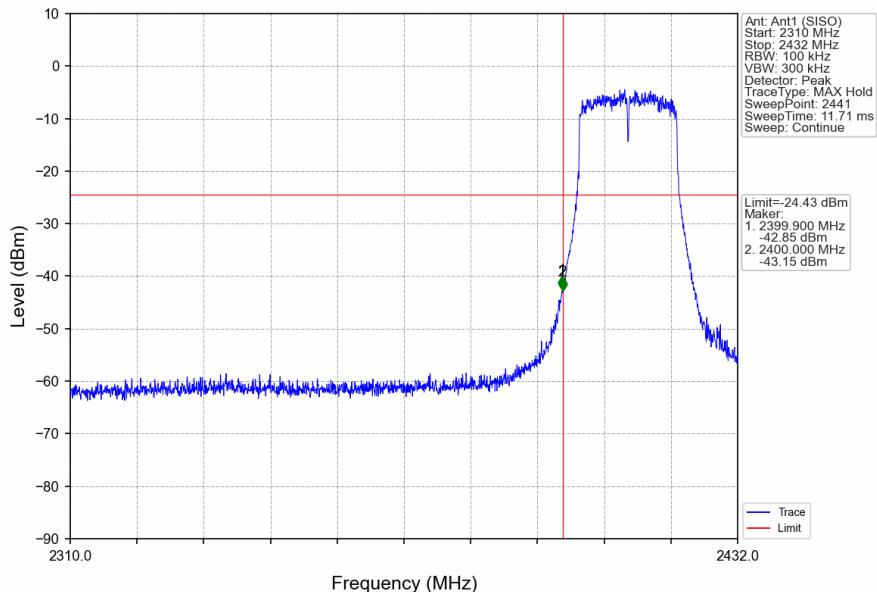
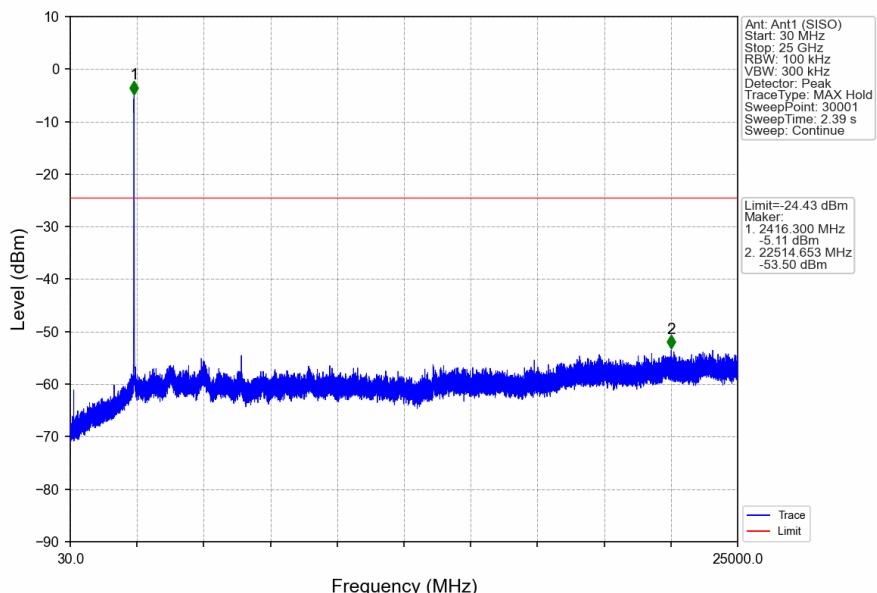
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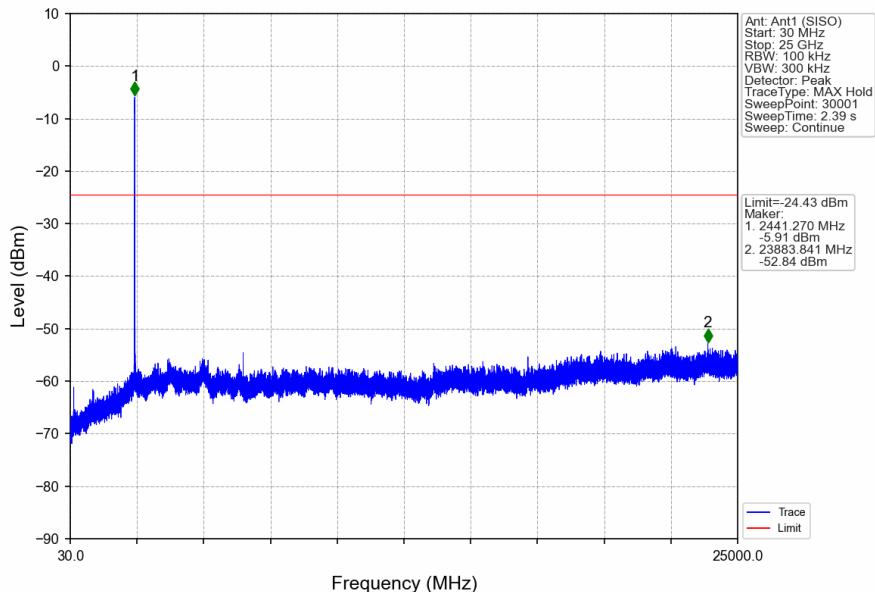
**802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV****802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV**

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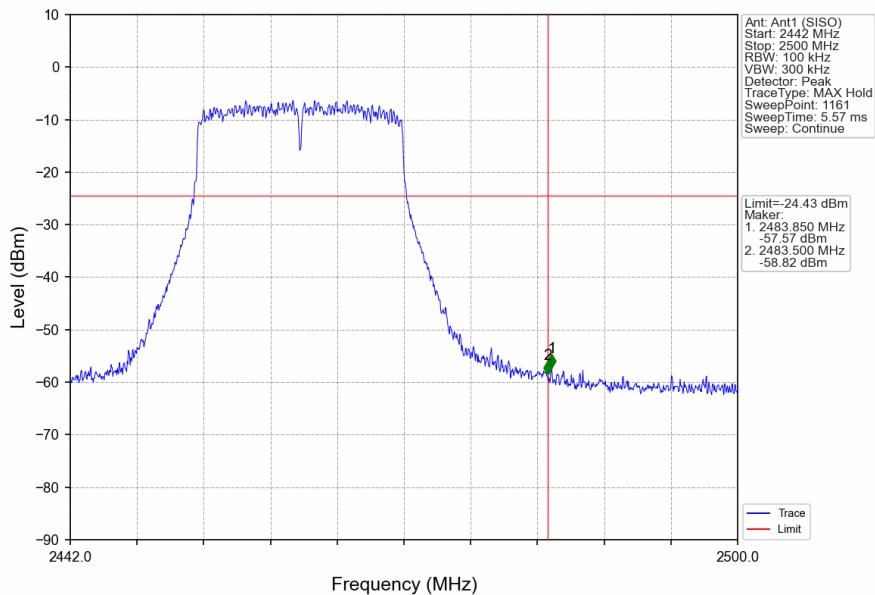
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## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

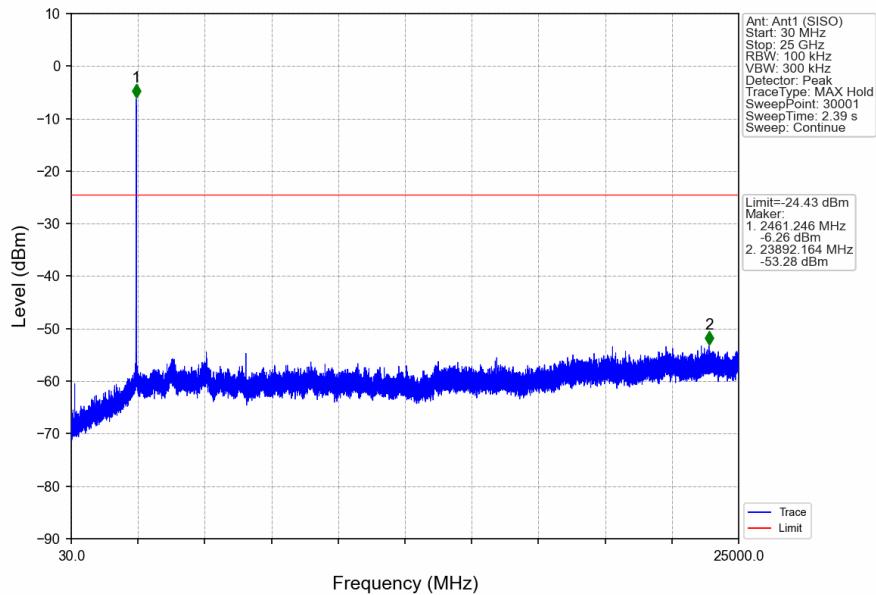


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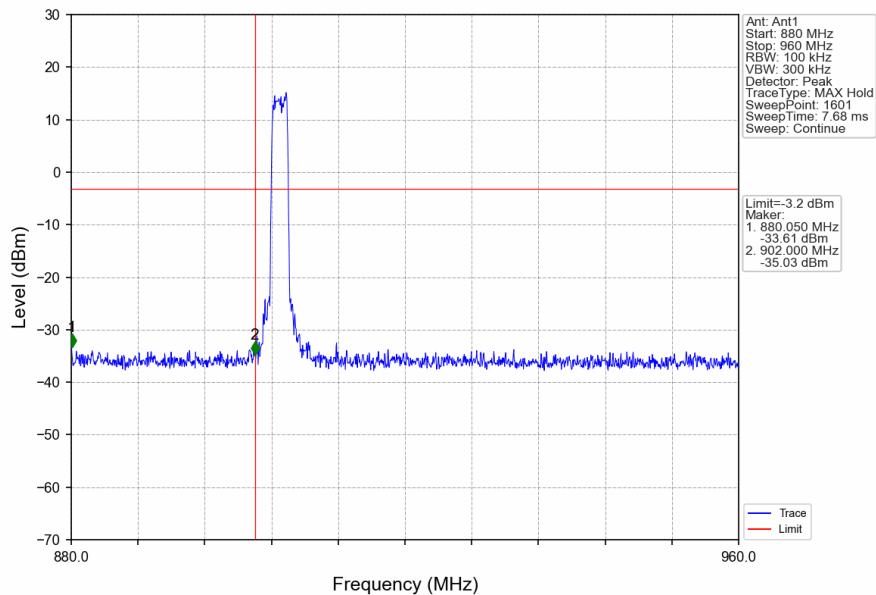
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## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



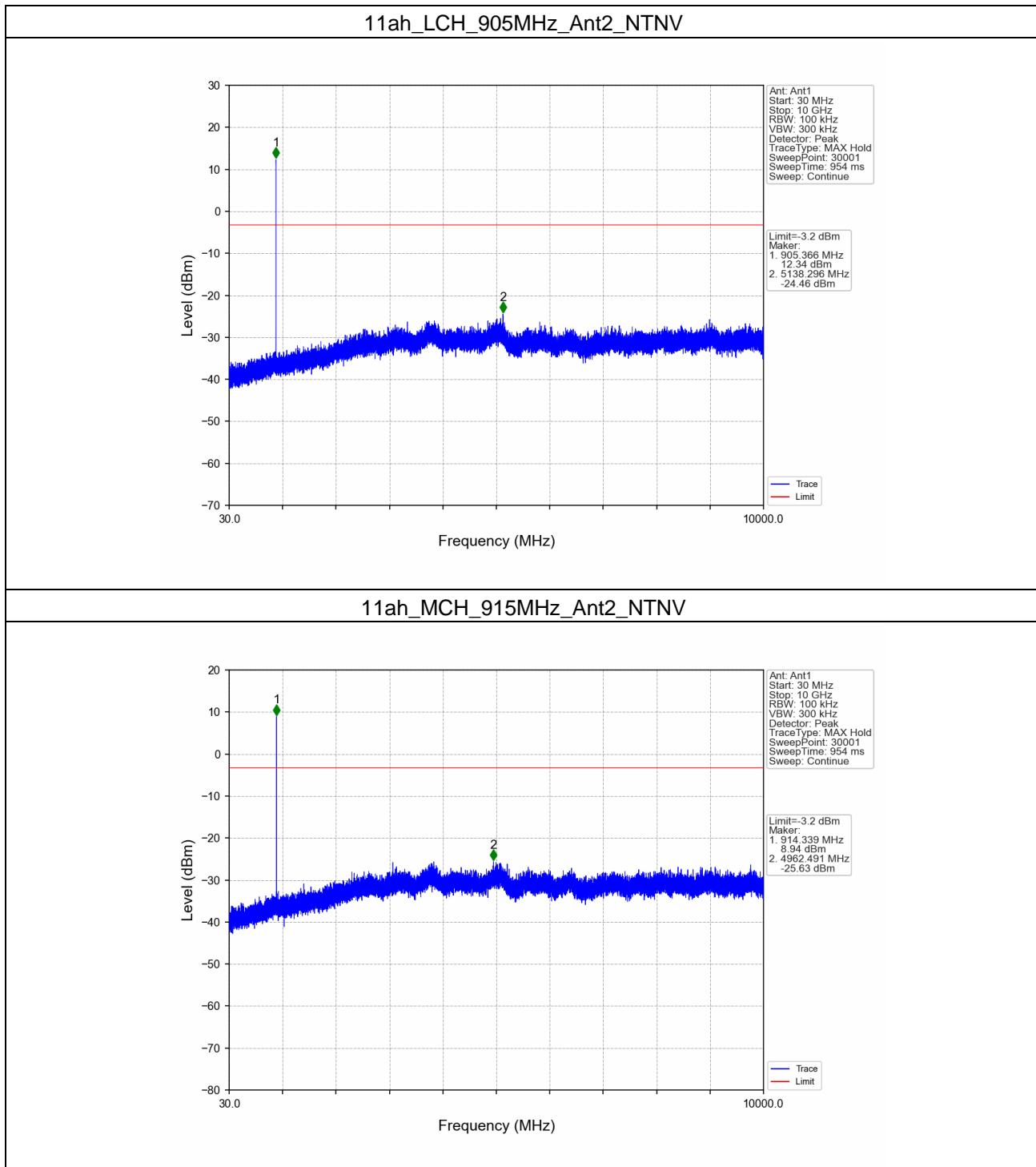
## 11ah\_LCH\_905MHz\_Ant2\_NTNV



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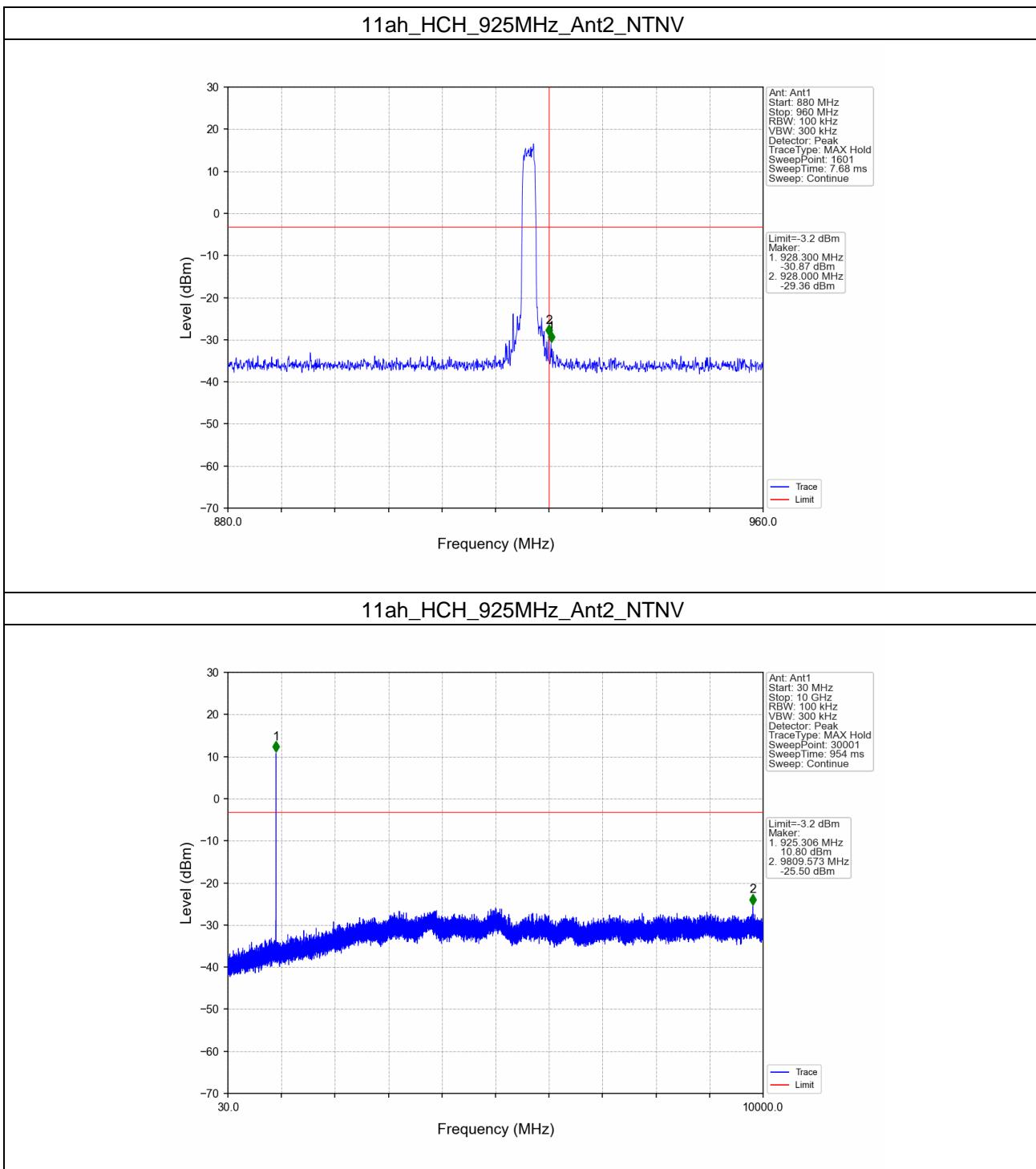




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- End of the Report -



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