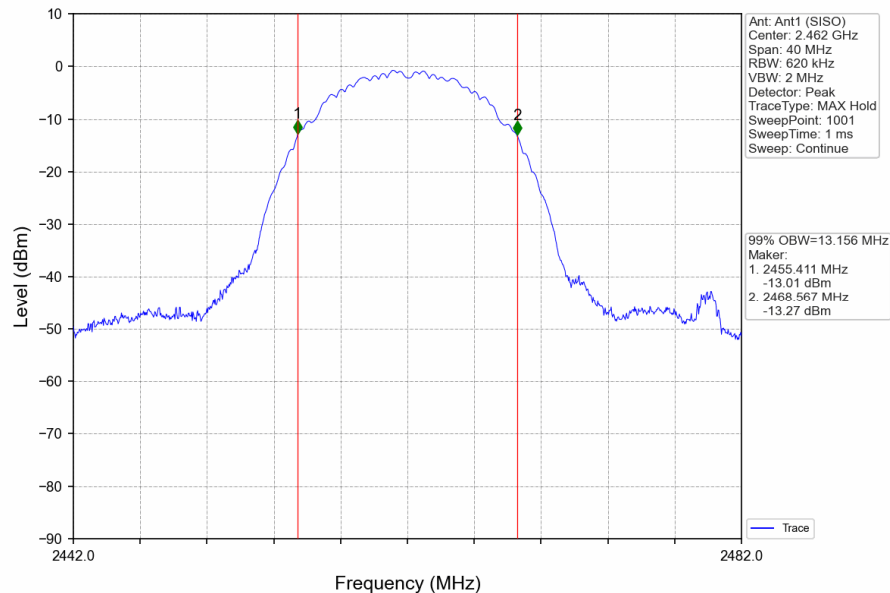
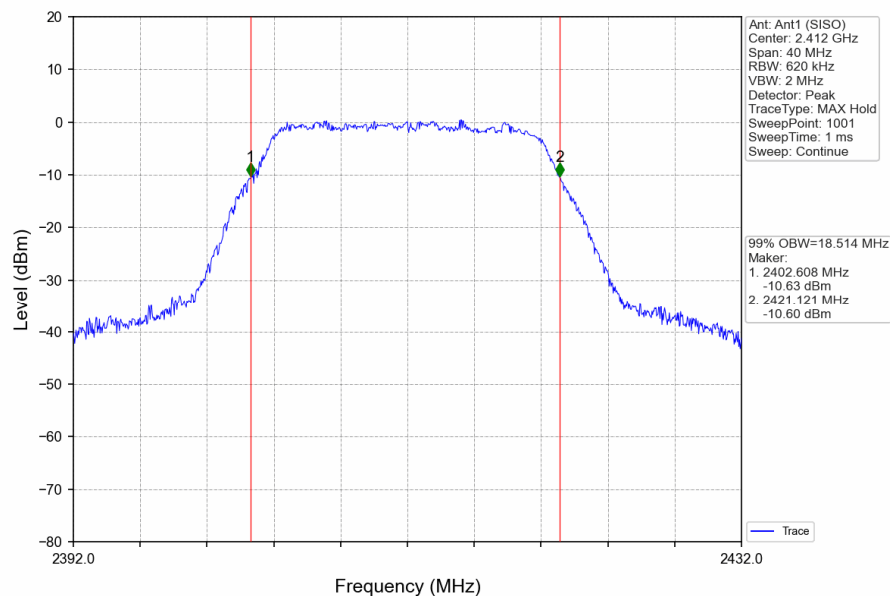


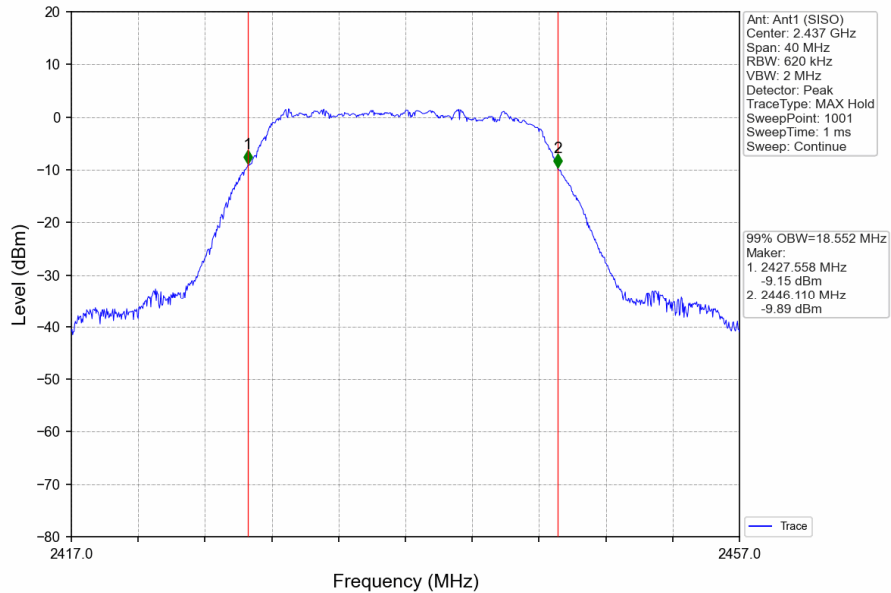
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



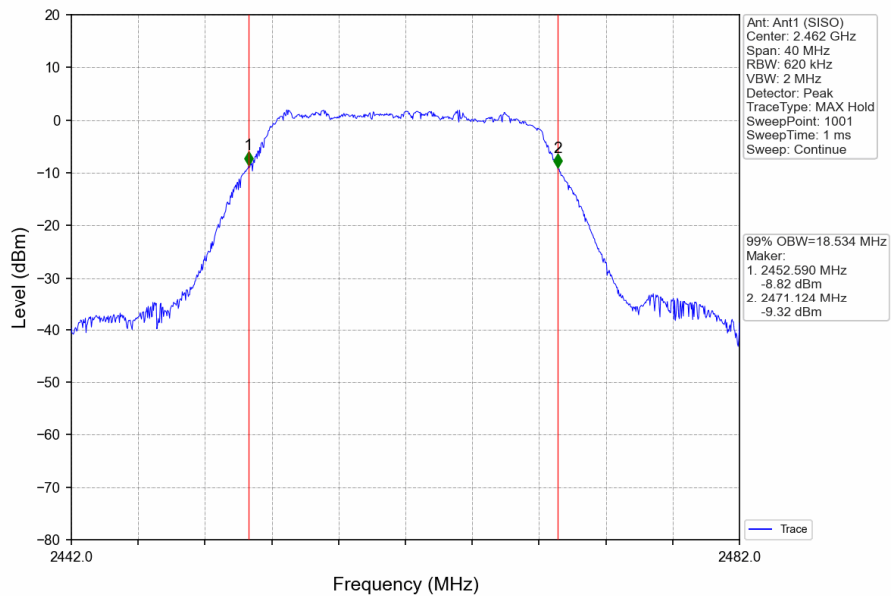
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



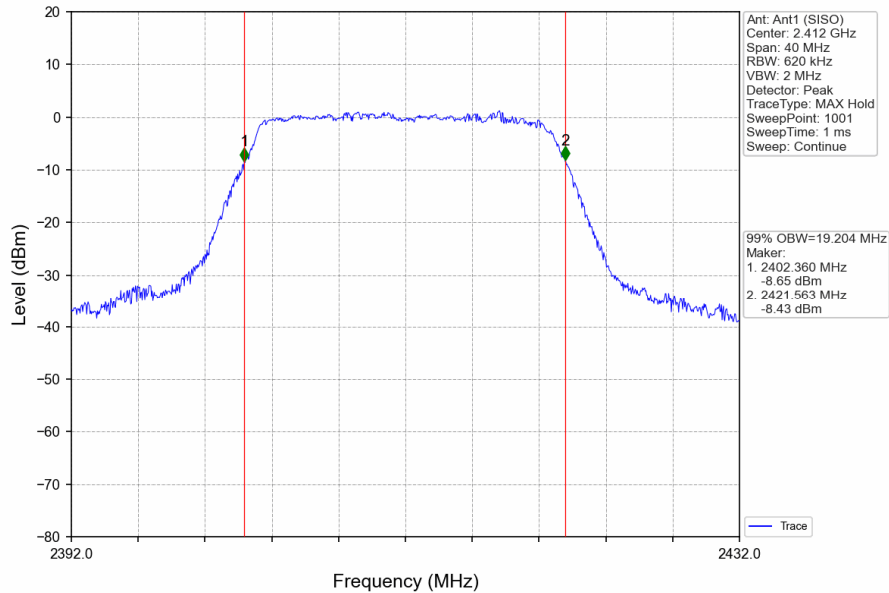
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



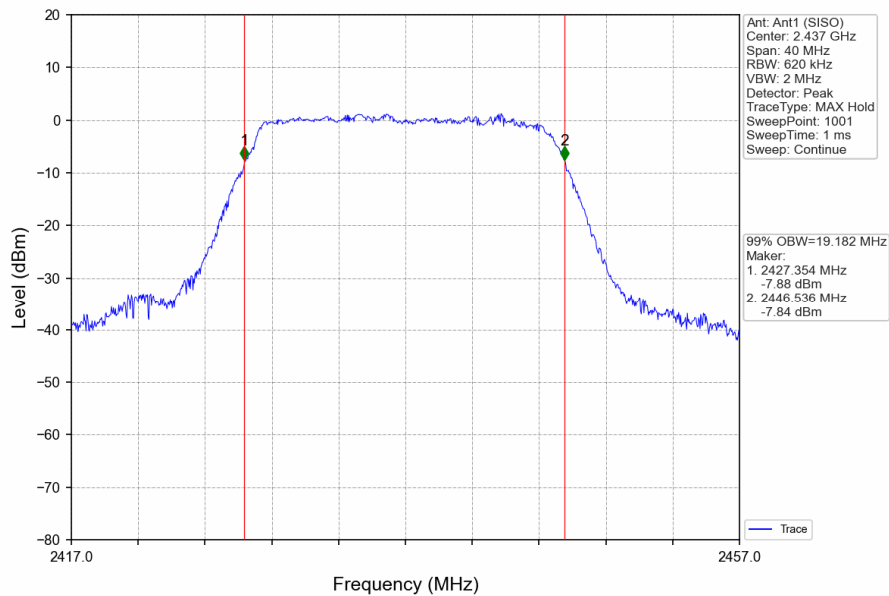
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



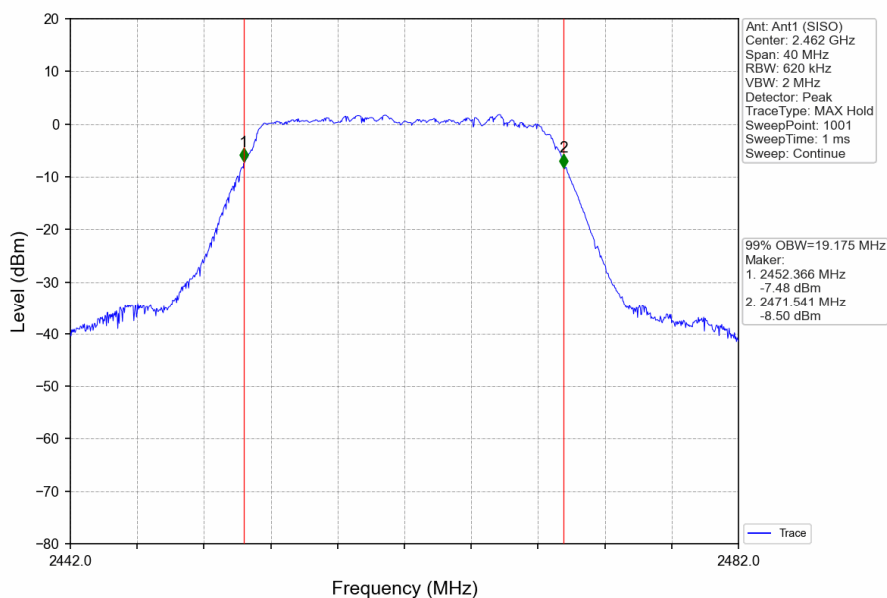
### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



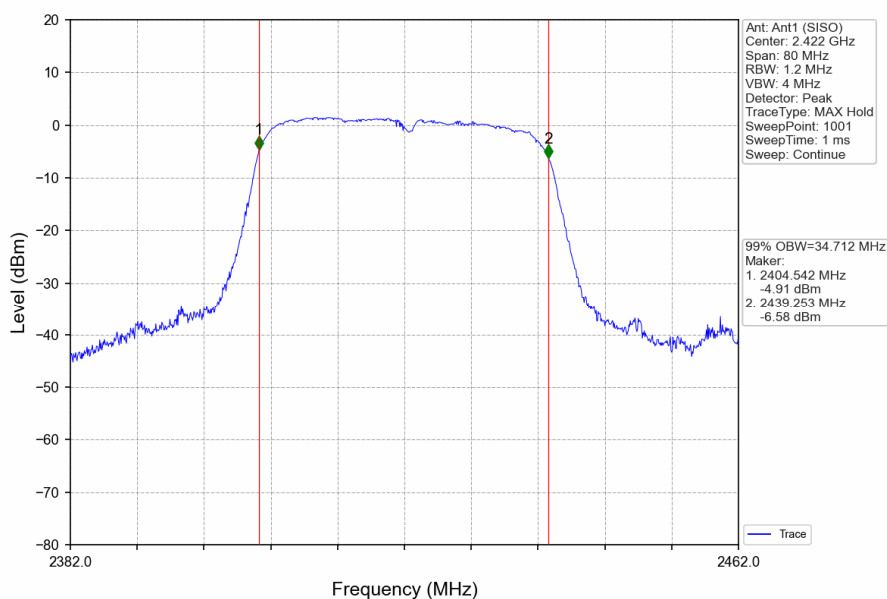
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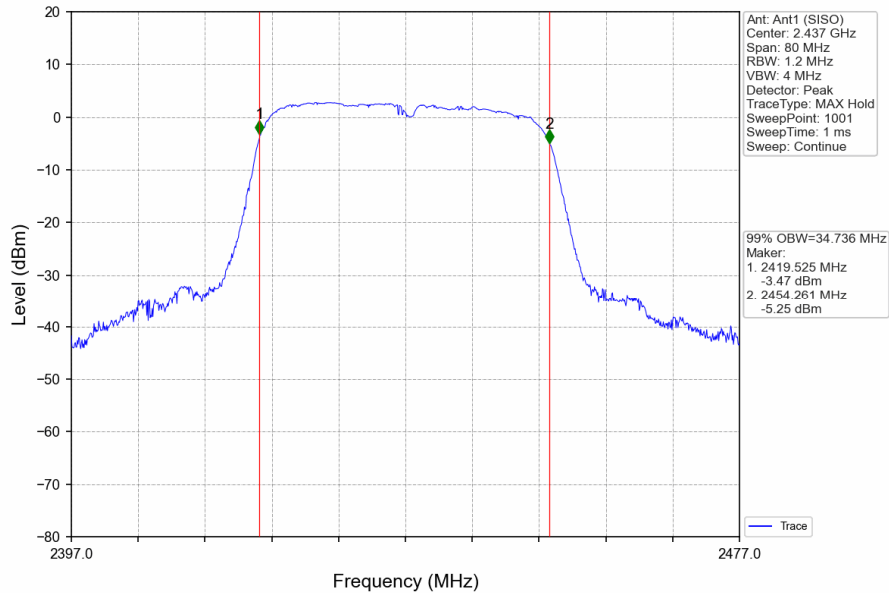
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



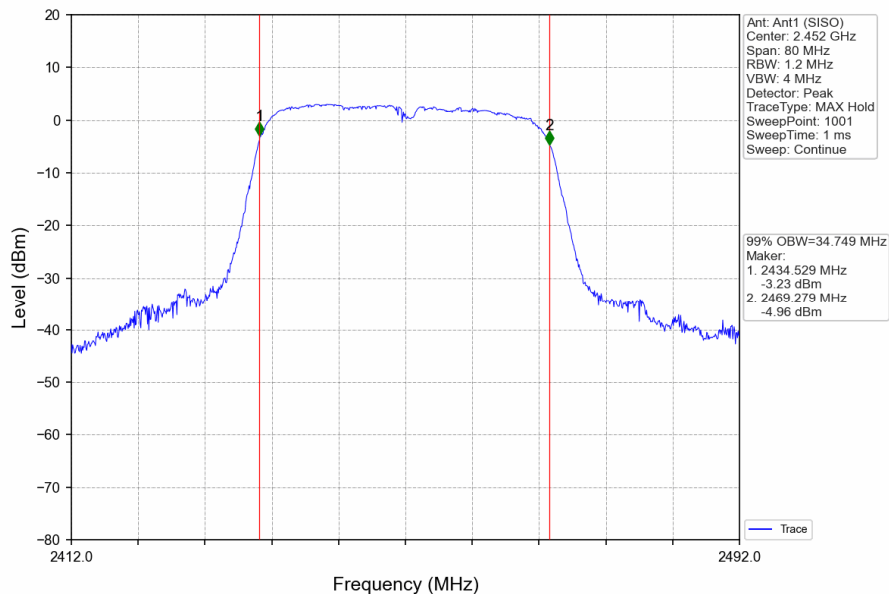
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



## 2.2 6dB BW

## 2.2.1 Test Result

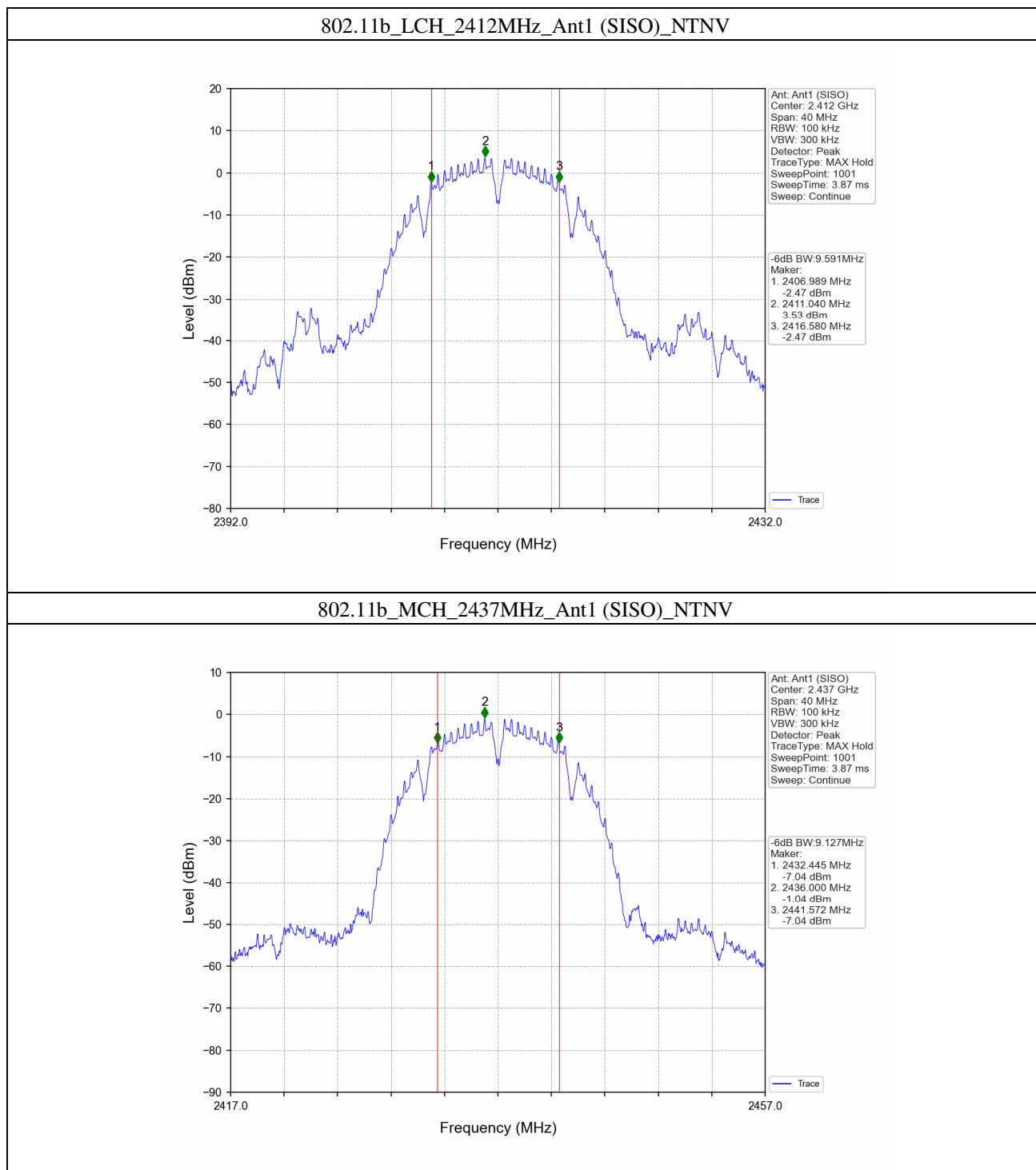
| Mode           | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 9.591               | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 9.127               | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 9.105               | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.378              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.373              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.378              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 17.609              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 17.601              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 17.622              | $\geq 0.5$ | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | 32.641              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 32.658              | $\geq 0.5$ | Pass    |
|                |         | 2452            | 1   | 32.601              | $\geq 0.5$ | Pass    |



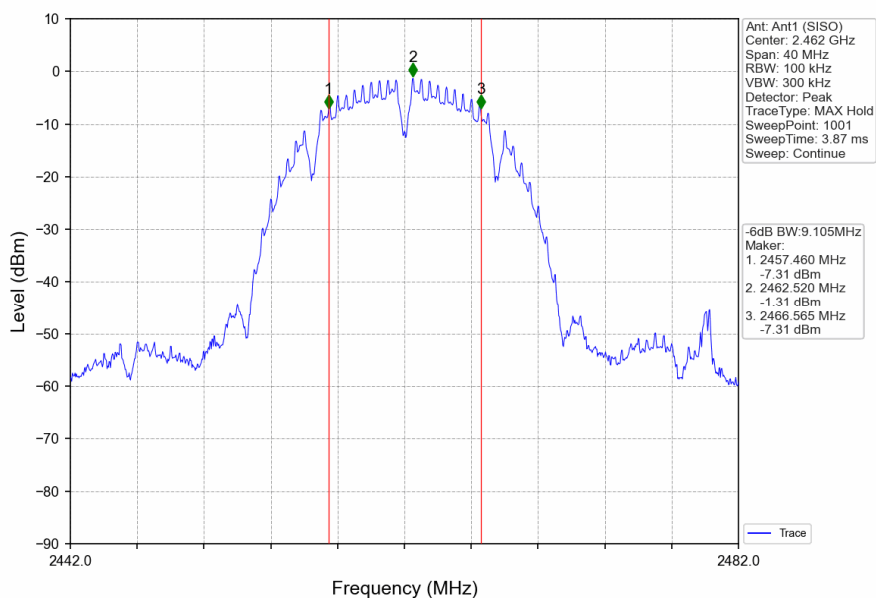
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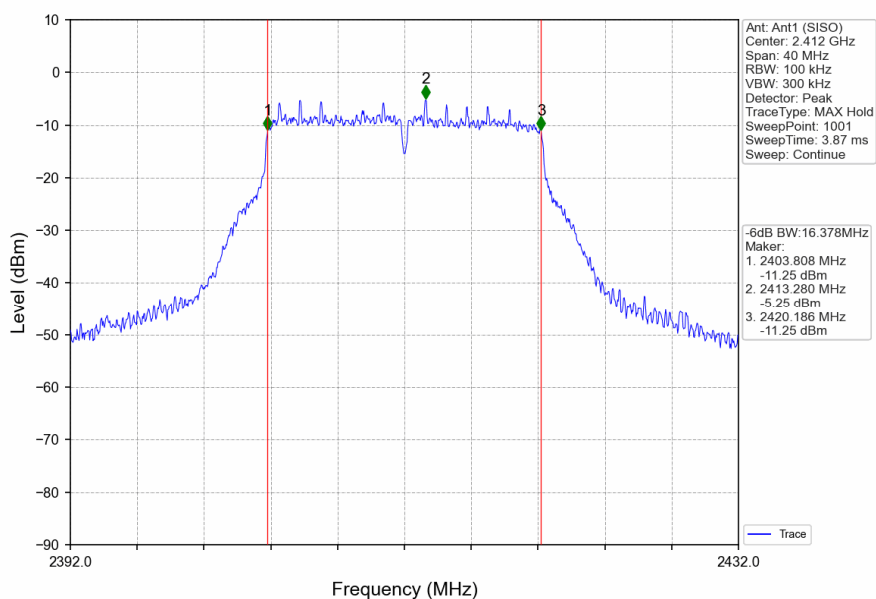
## 2.2.2 Test Graph



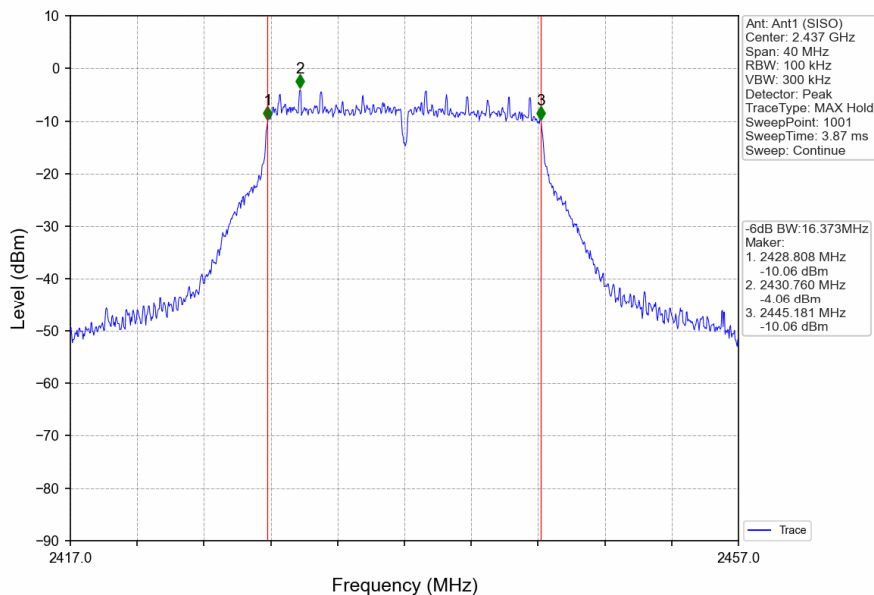
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



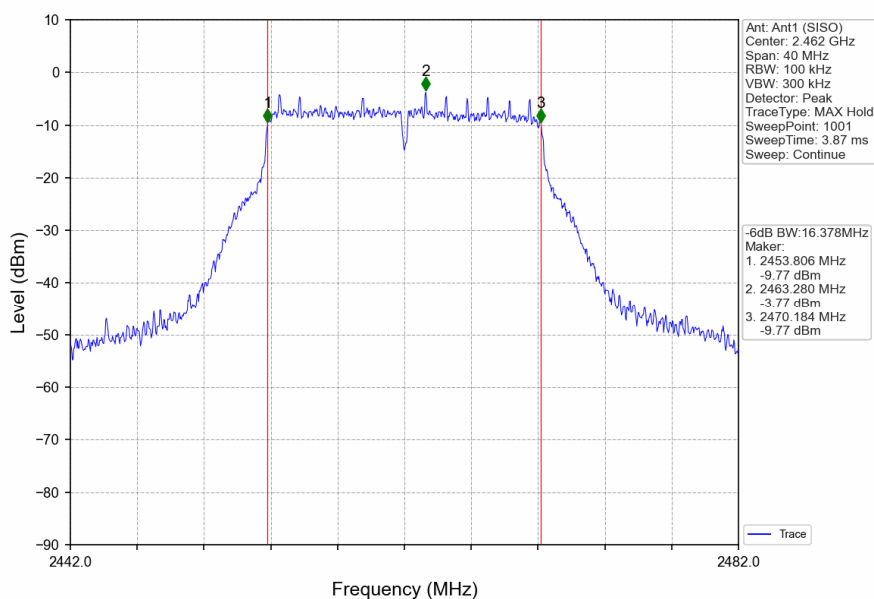
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



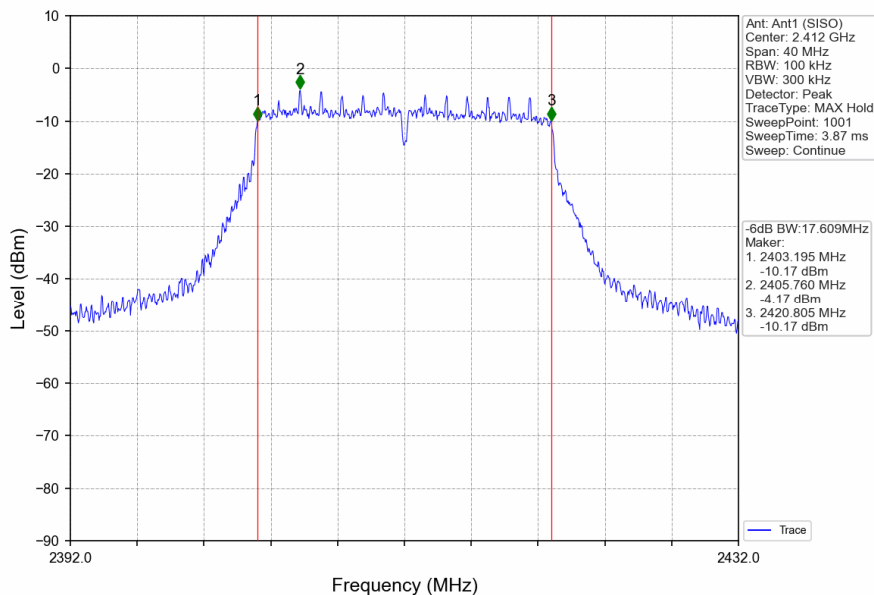
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



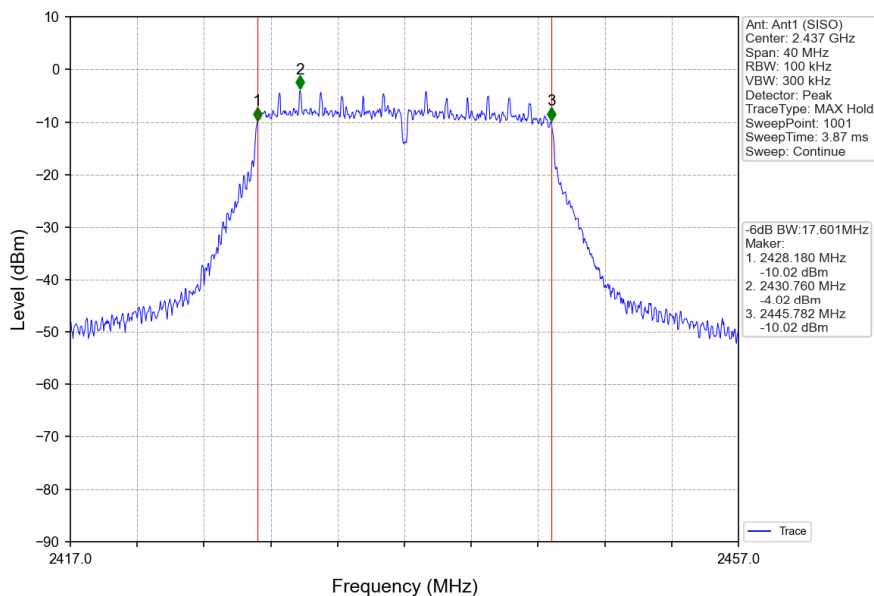
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



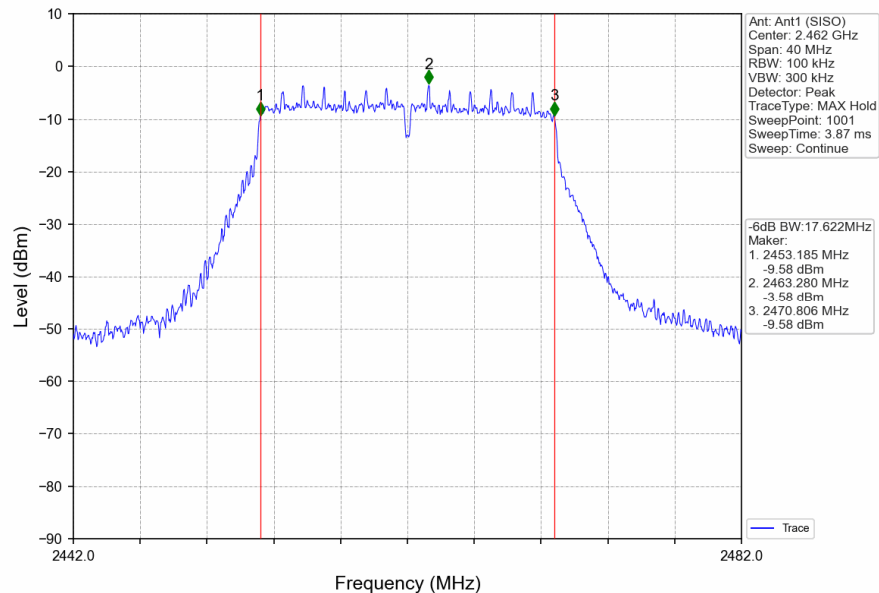
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



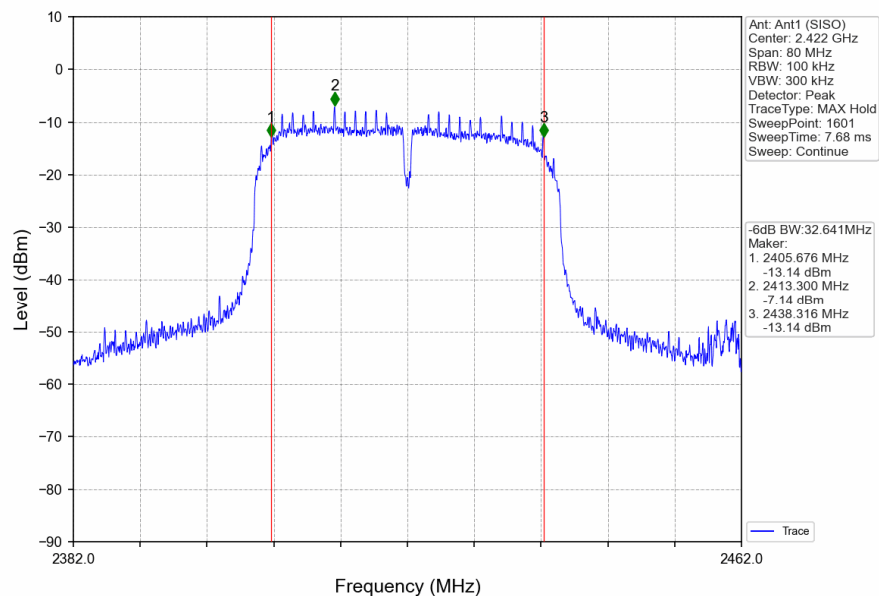
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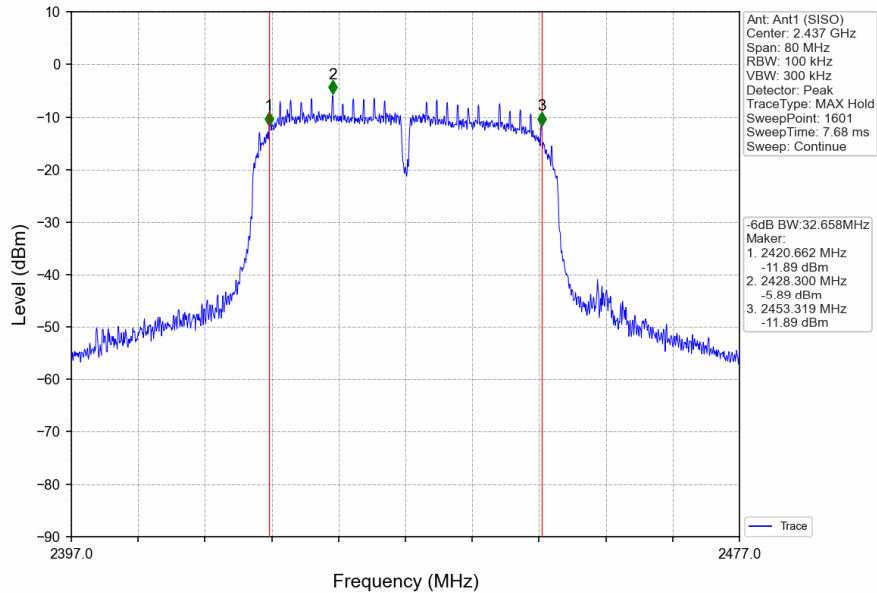
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



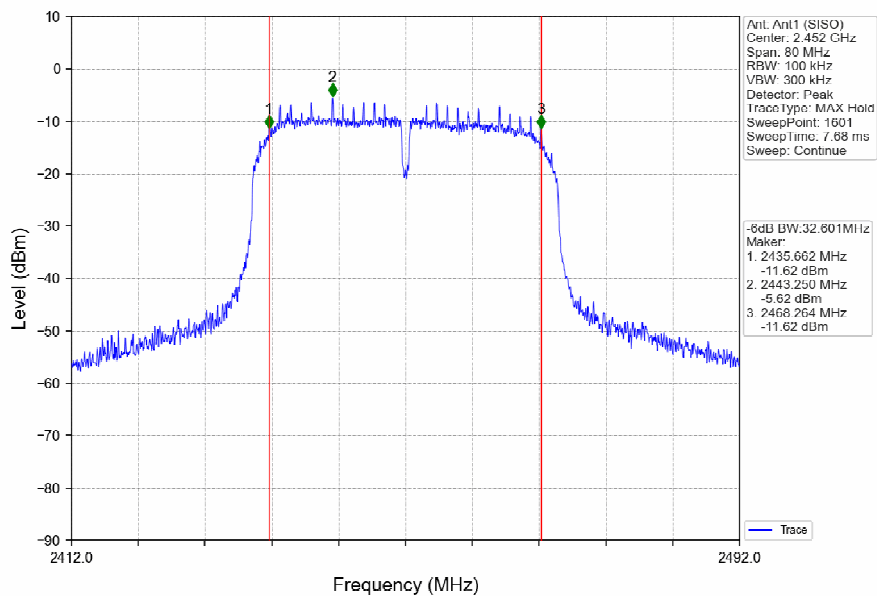
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



## 3. Maximum Conducted Output Power

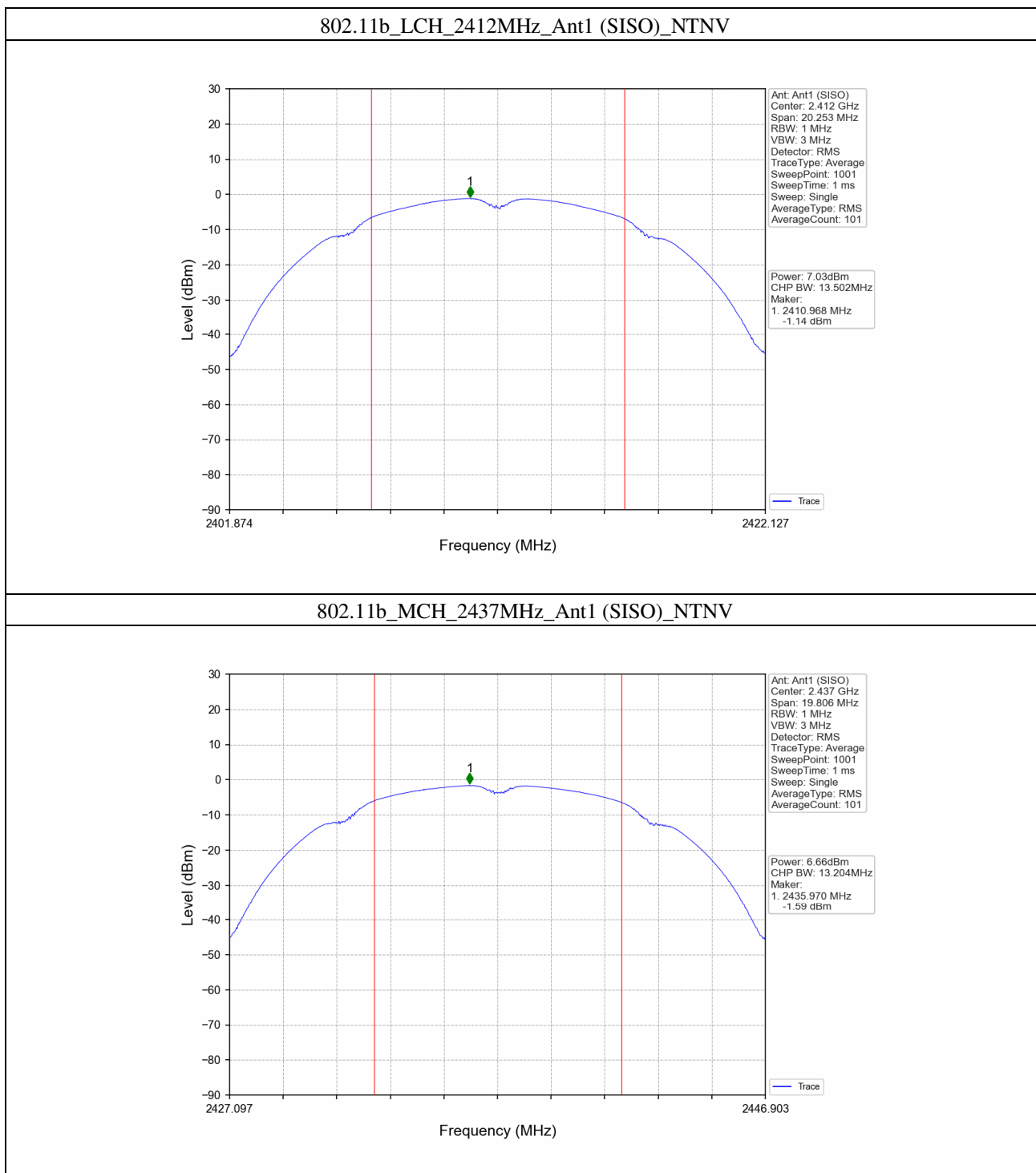
## 3.1 Power

## 3.1.1 Test Result

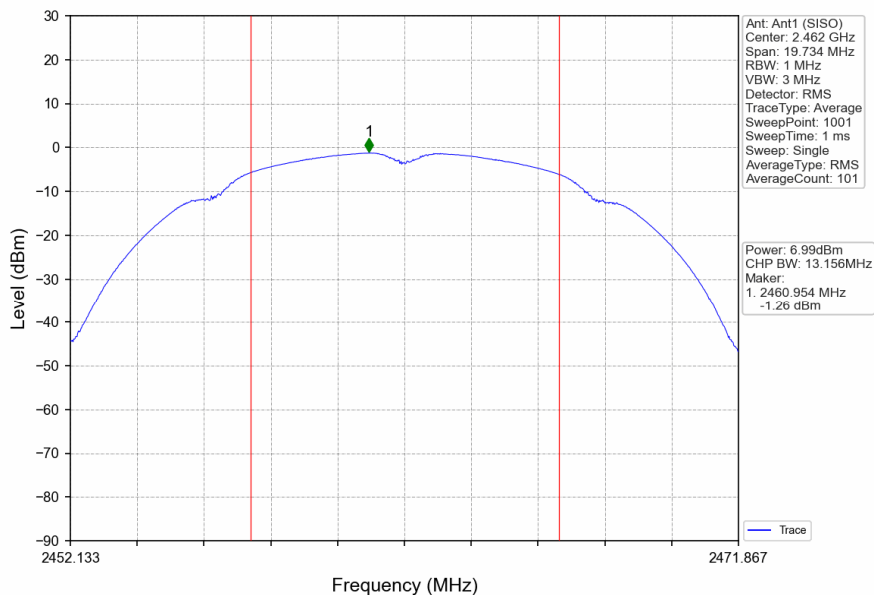
| Mode           | TX Type | Frequency (MHz) | Maximum Conducted Output Power (dBm) |       | Verdict |
|----------------|---------|-----------------|--------------------------------------|-------|---------|
|                |         |                 | Ant1                                 | Limit |         |
| 802.11b        | SISO    | 2412            | 7.03                                 | <=30  | Pass    |
|                |         | 2437            | 6.66                                 | <=30  | Pass    |
|                |         | 2462            | 6.99                                 | <=30  | Pass    |
| 802.11g        | SISO    | 2412            | 6.42                                 | <=30  | Pass    |
|                |         | 2437            | 6.73                                 | <=30  | Pass    |
|                |         | 2462            | 7.13                                 | <=30  | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 6.70                                 | <=30  | Pass    |
|                |         | 2437            | 6.76                                 | <=30  | Pass    |
|                |         | 2462            | 7.28                                 | <=30  | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 6.85                                 | <=30  | Pass    |
|                |         | 2437            | 7.13                                 | <=30  | Pass    |
|                |         | 2452            | 7.34                                 | <=30  | Pass    |

Note1: Antenna Gain: Ant1: 1.00dBi;

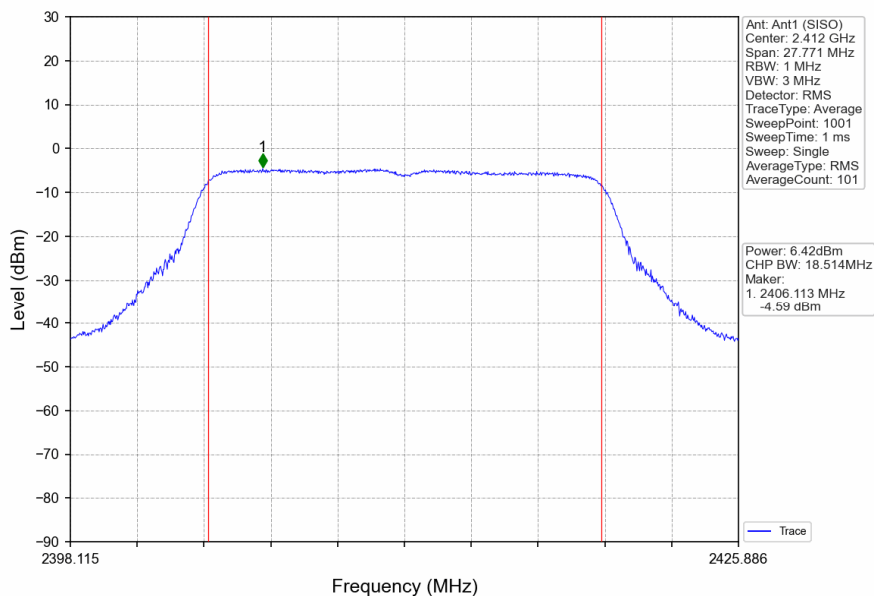
### 3.1.2 Test Graph



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

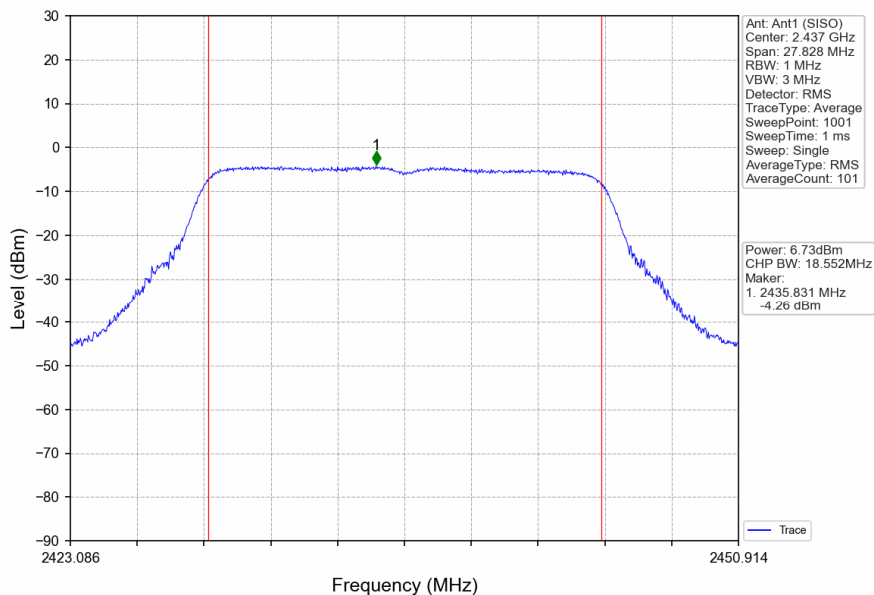


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

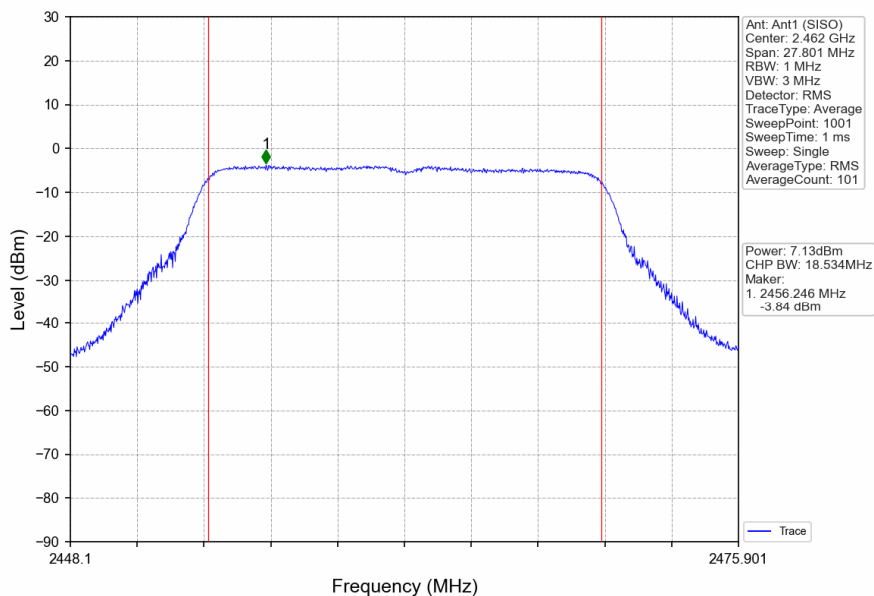


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802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



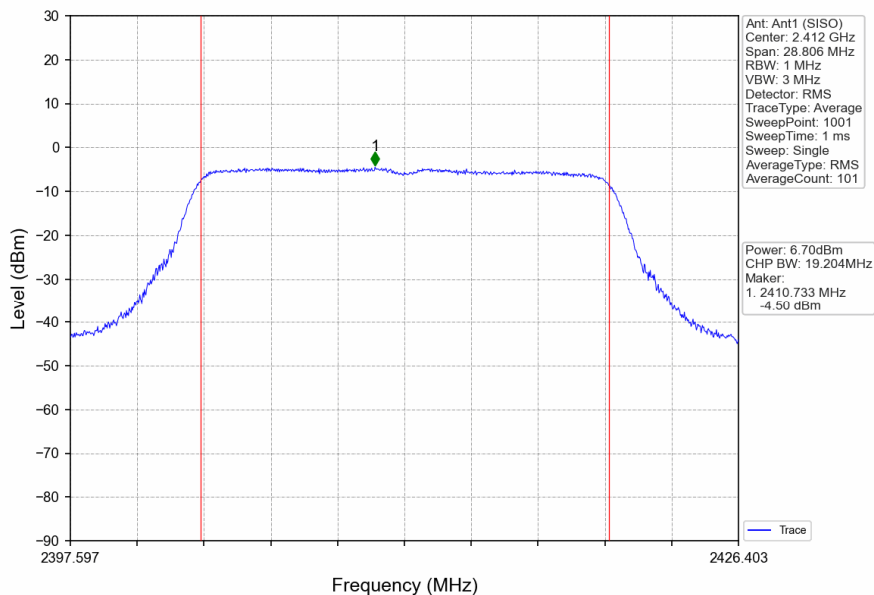
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



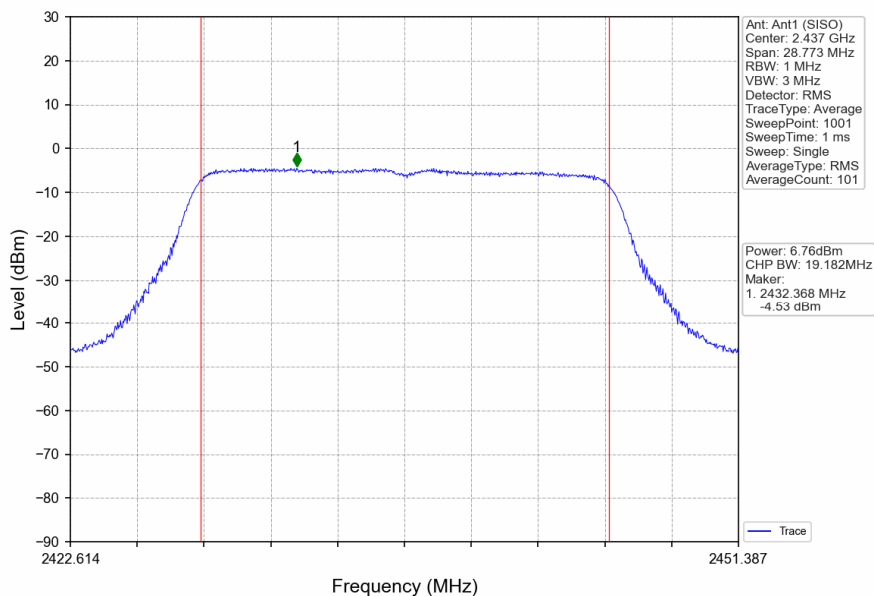
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

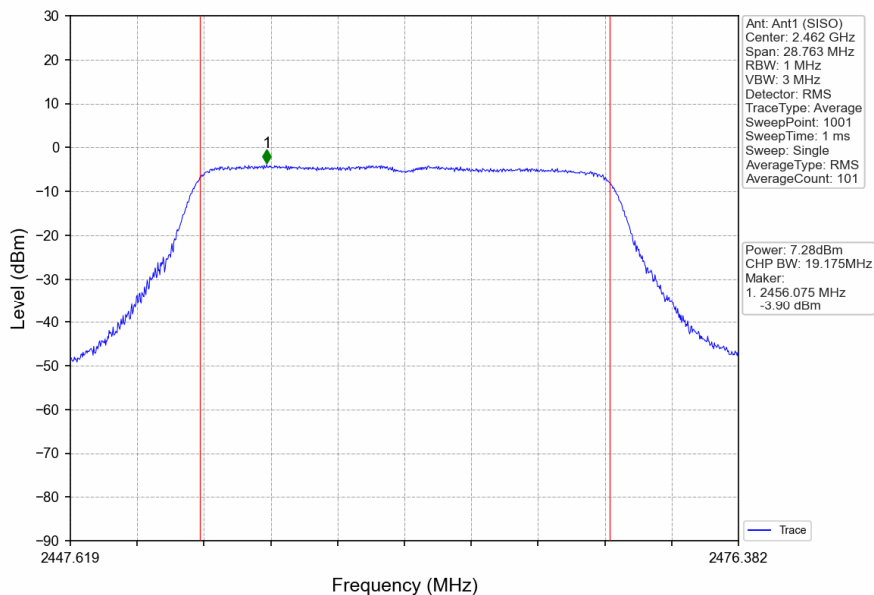


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

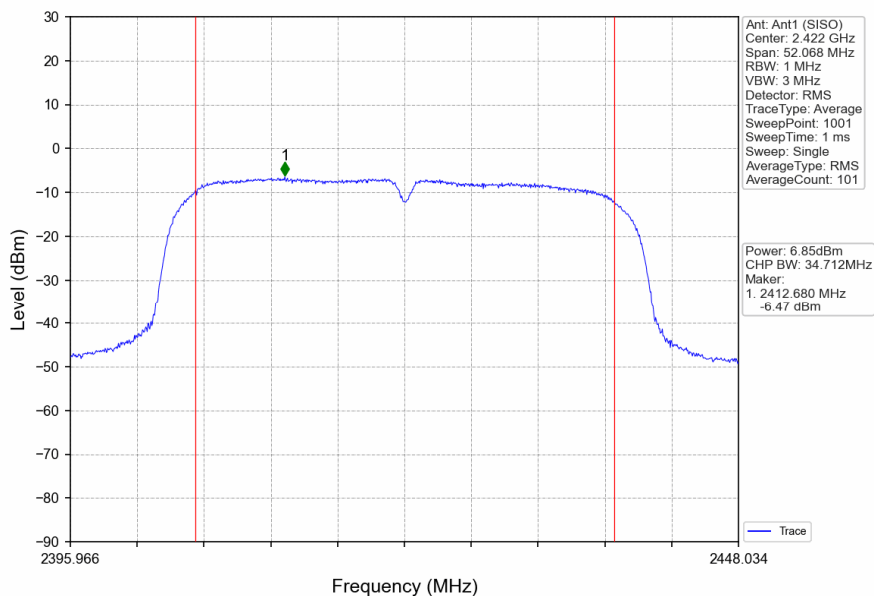


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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



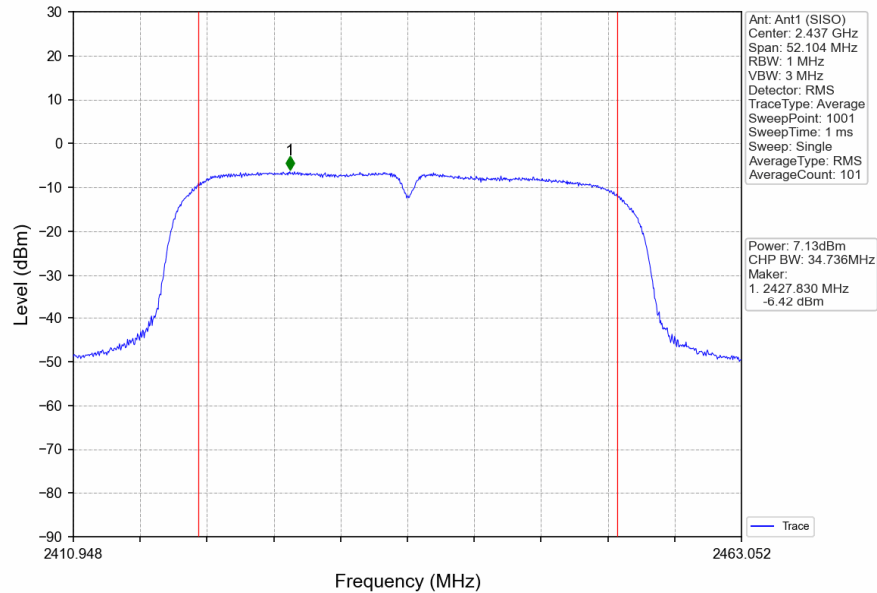
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



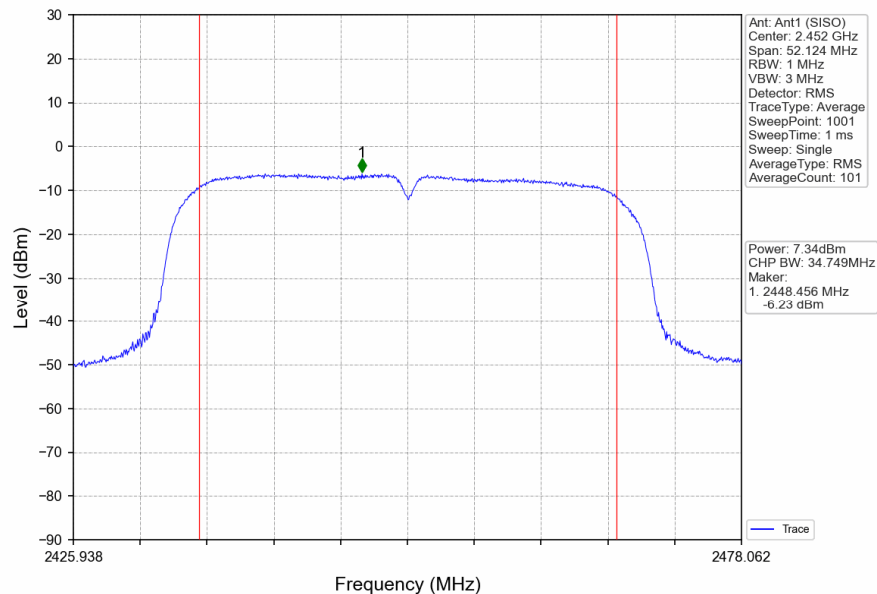
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



## 4. Maximum Power Spectral Density

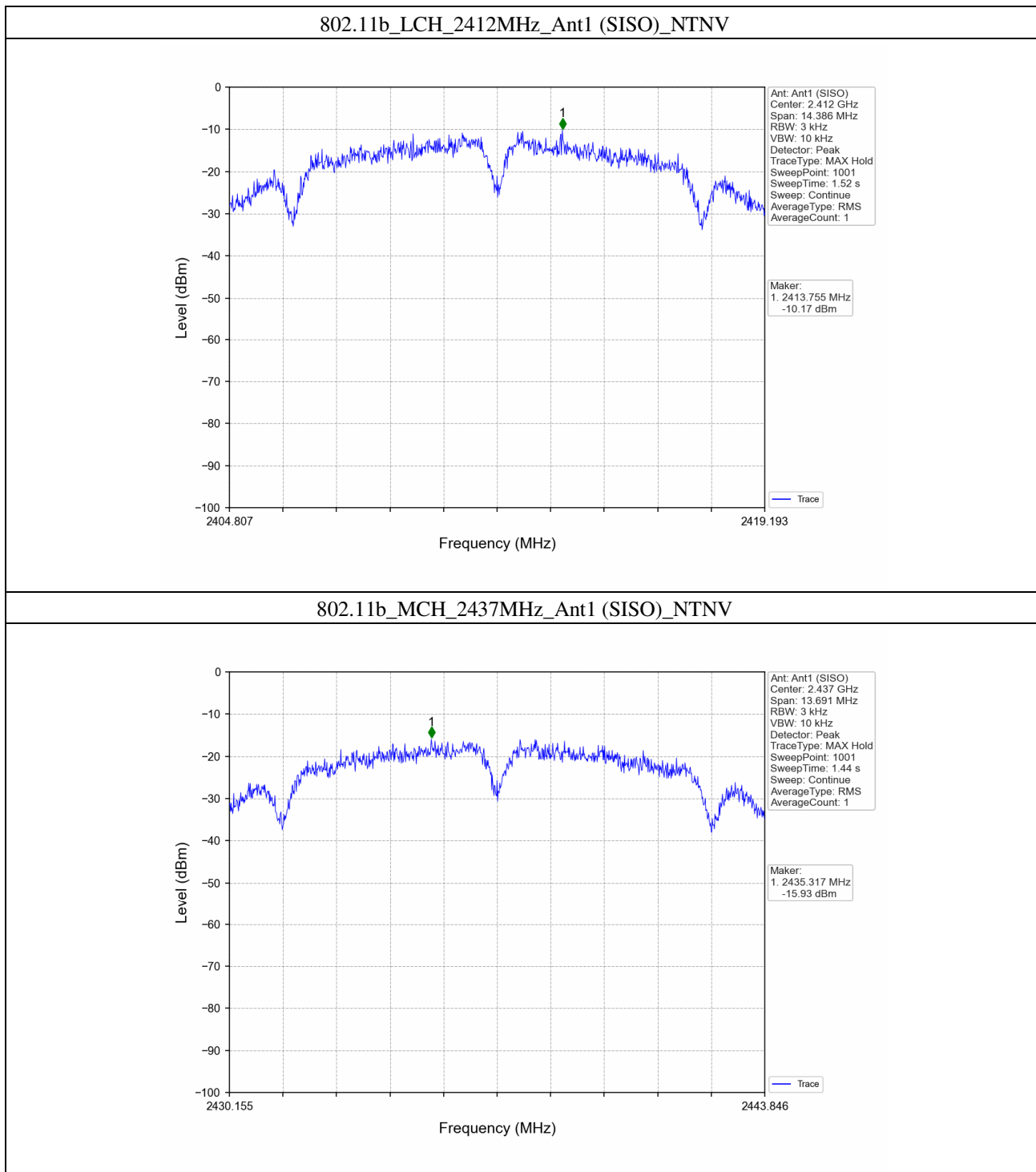
### 4.1 PSD

#### 4.1.1 Test Result

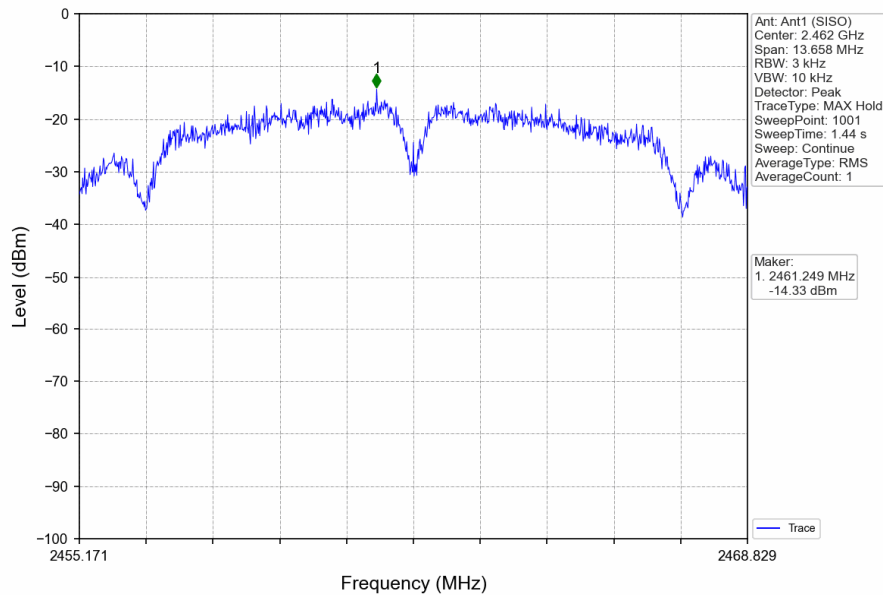
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | Ant1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -10.17                 | <=8   | Pass    |
|                |         | 2437            | -15.93                 | <=8   | Pass    |
|                |         | 2462            | -14.33                 | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -18.98                 | <=8   | Pass    |
|                |         | 2437            | -18.08                 | <=8   | Pass    |
|                |         | 2462            | -17.48                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -17.97                 | <=8   | Pass    |
|                |         | 2437            | -17.66                 | <=8   | Pass    |
|                |         | 2462            | -17.07                 | <=8   | Pass    |
| 802.11n (HT40) | SISO    | 2422            | -20.41                 | <=8   | Pass    |
|                |         | 2437            | -19.55                 | <=8   | Pass    |
|                |         | 2452            | -18.94                 | <=8   | Pass    |

Note1: Antenna Gain: Ant1: 1.00dBi;

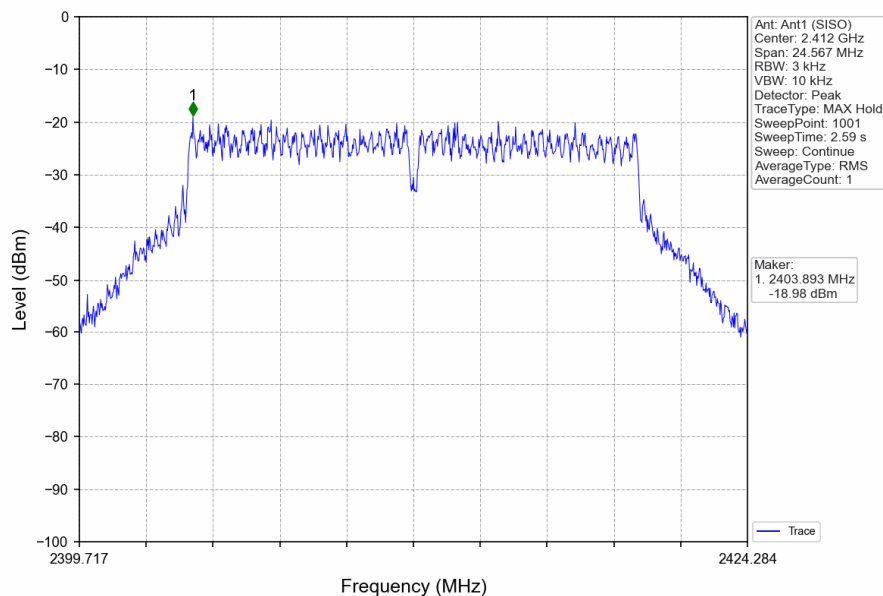
### 4.1.2 Test Graph



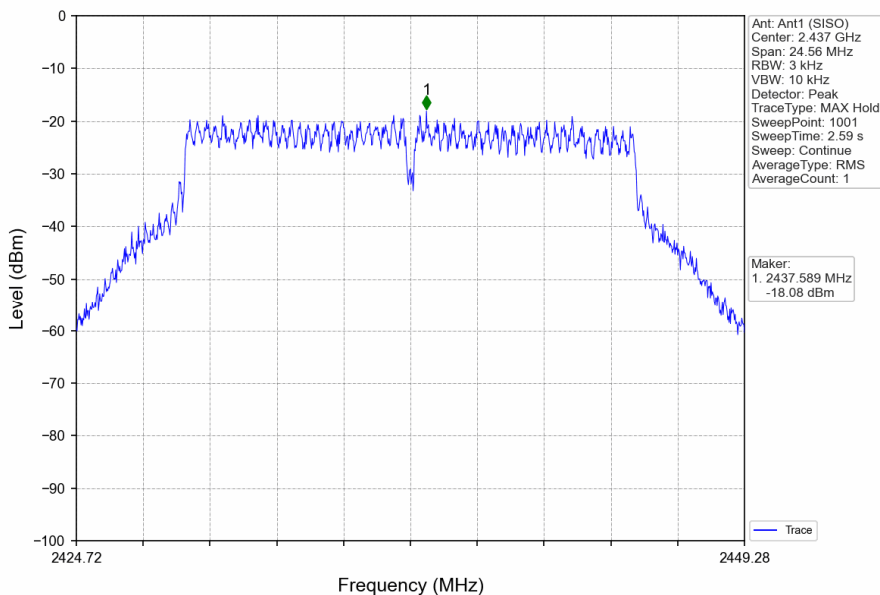
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



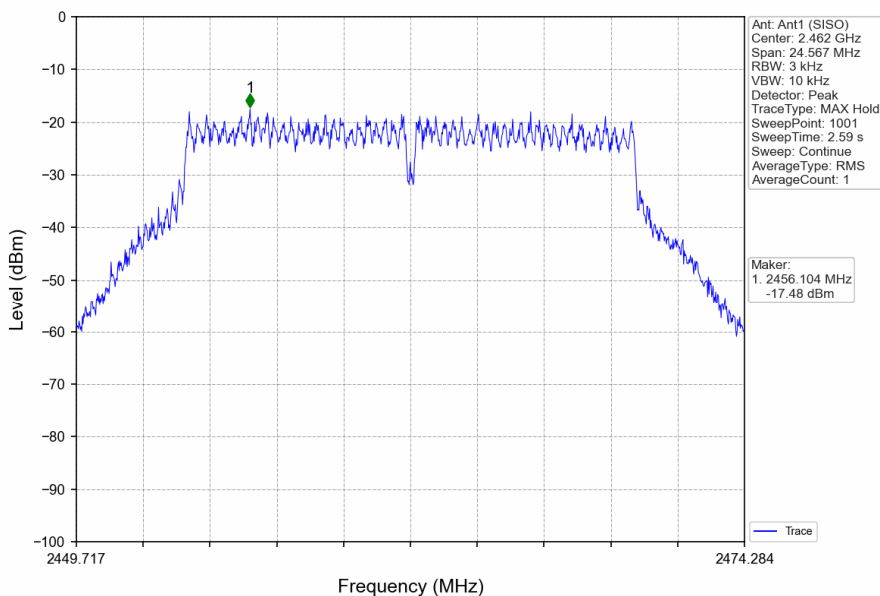
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

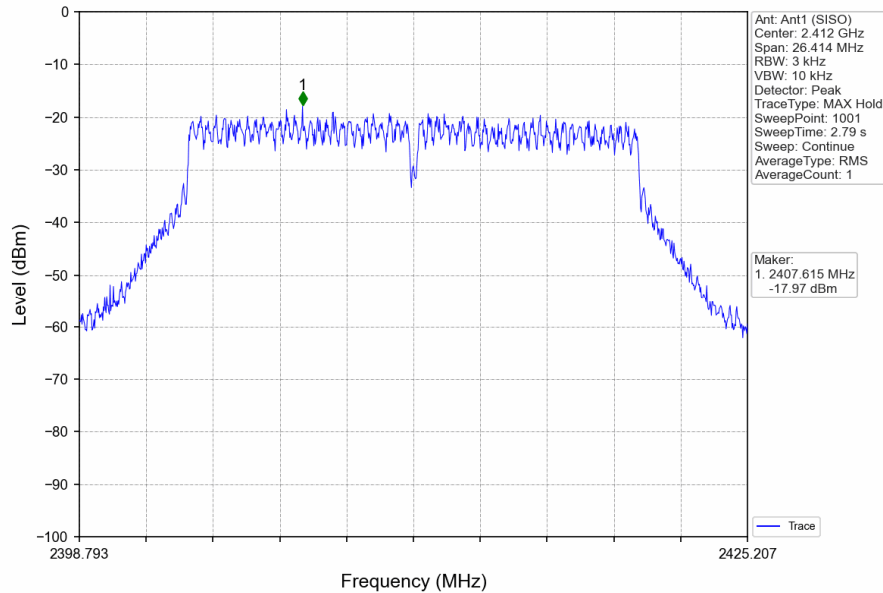


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

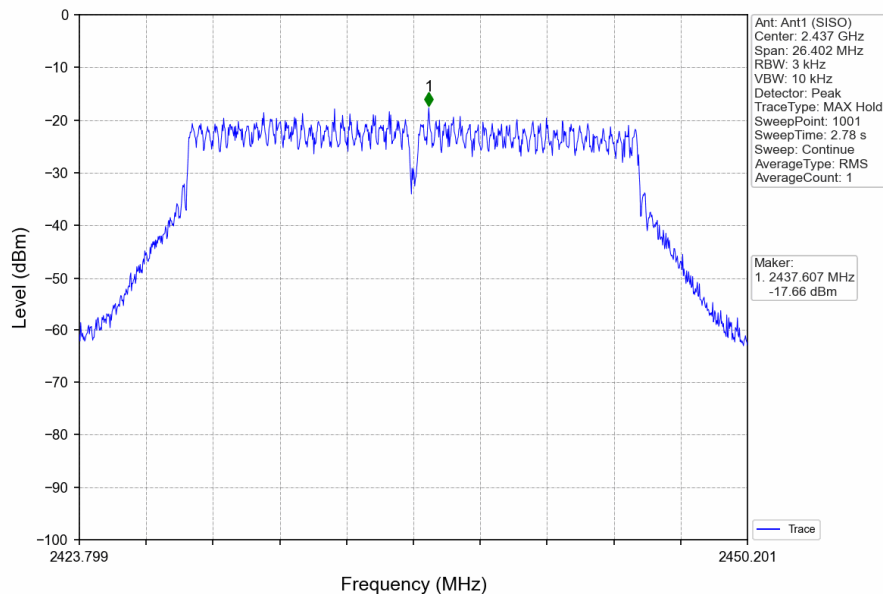


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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



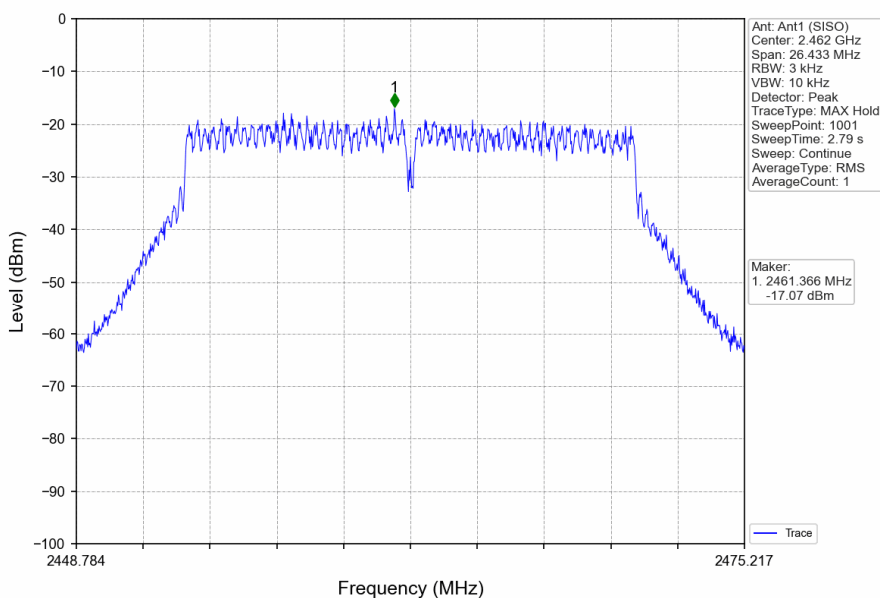
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



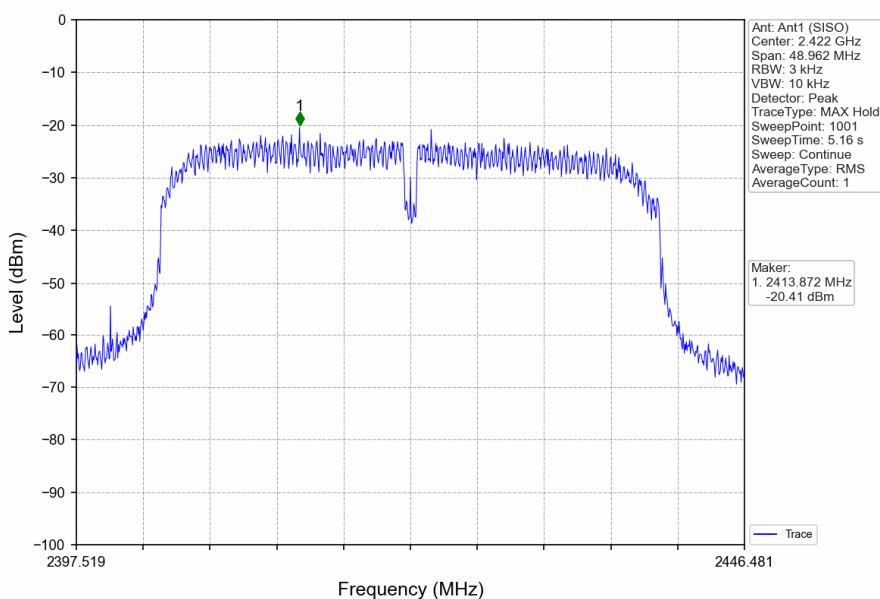
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



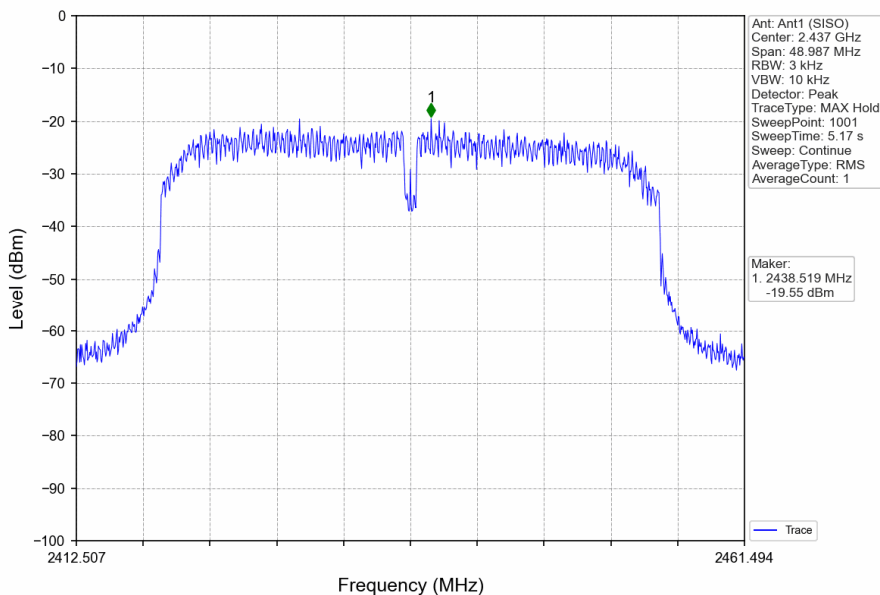
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



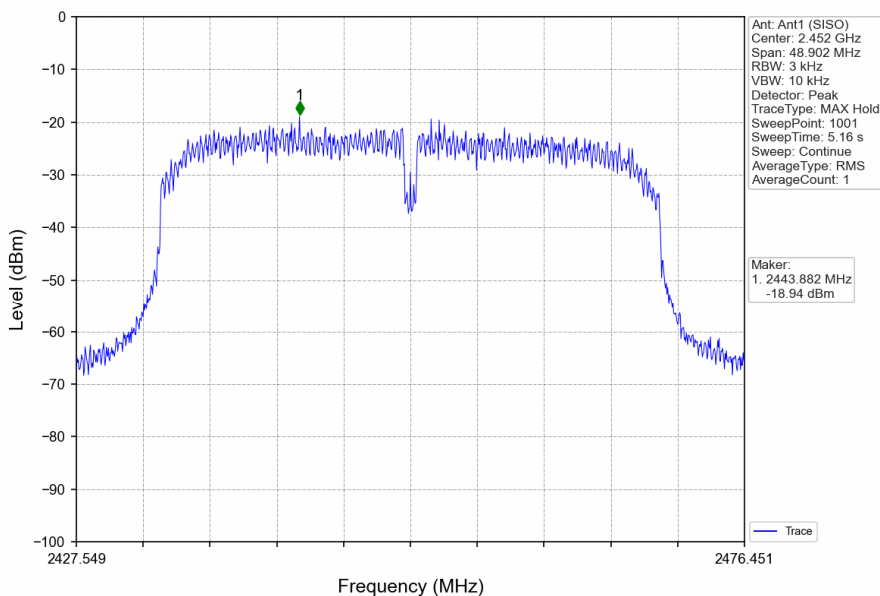
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

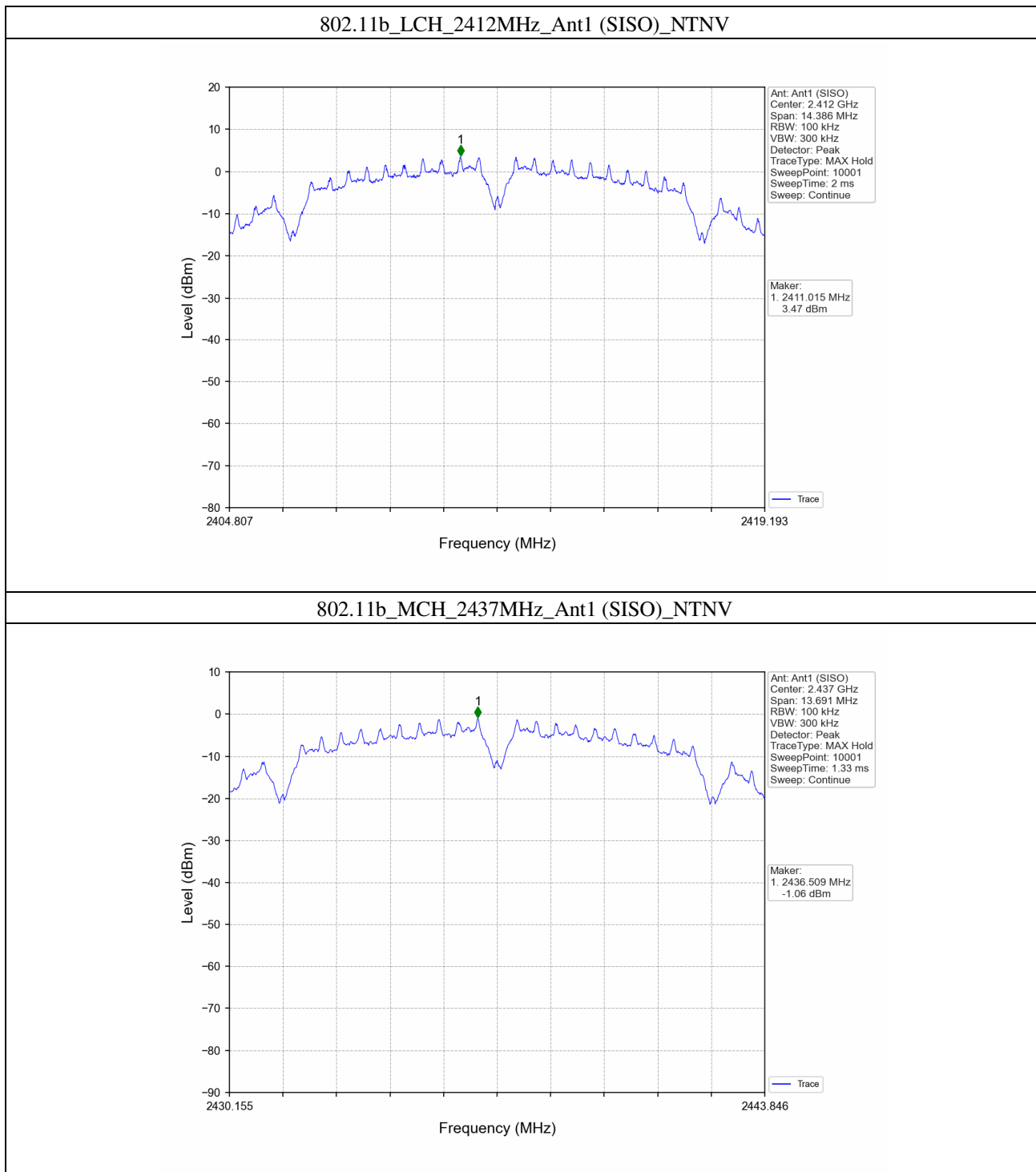
### 5.1 Ref

#### 5.1.1 Test Result

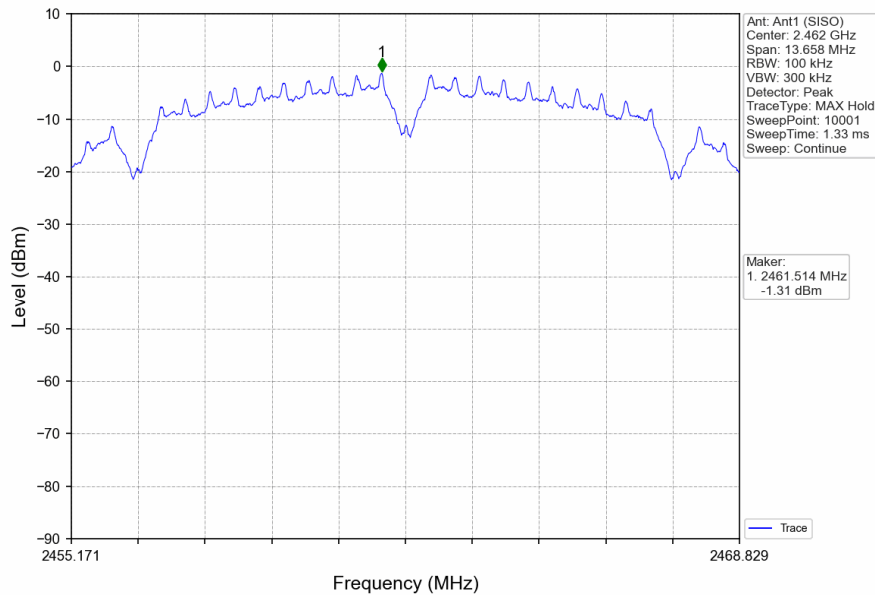
| Mode           | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 3.47                     |
|                |         | 2437            | 1   | -1.06                    |
|                |         | 2462            | 1   | -1.31                    |
| 802.11g        | SISO    | 2412            | 1   | -5.53                    |
|                |         | 2437            | 1   | -4.66                    |
|                |         | 2462            | 1   | -3.84                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -4.93                    |
|                |         | 2437            | 1   | -4.65                    |
|                |         | 2462            | 1   | -3.86                    |
| 802.11n (HT40) | SISO    | 2422            | 1   | -7.01                    |
|                |         | 2437            | 1   | -6.10                    |
|                |         | 2452            | 1   | -6.41                    |

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.

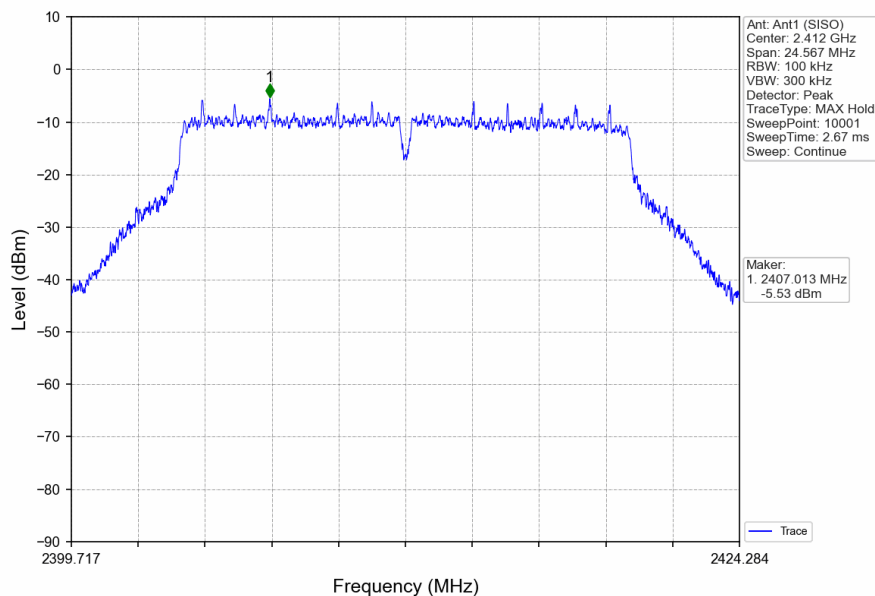
### 5.1.2 Test Graph



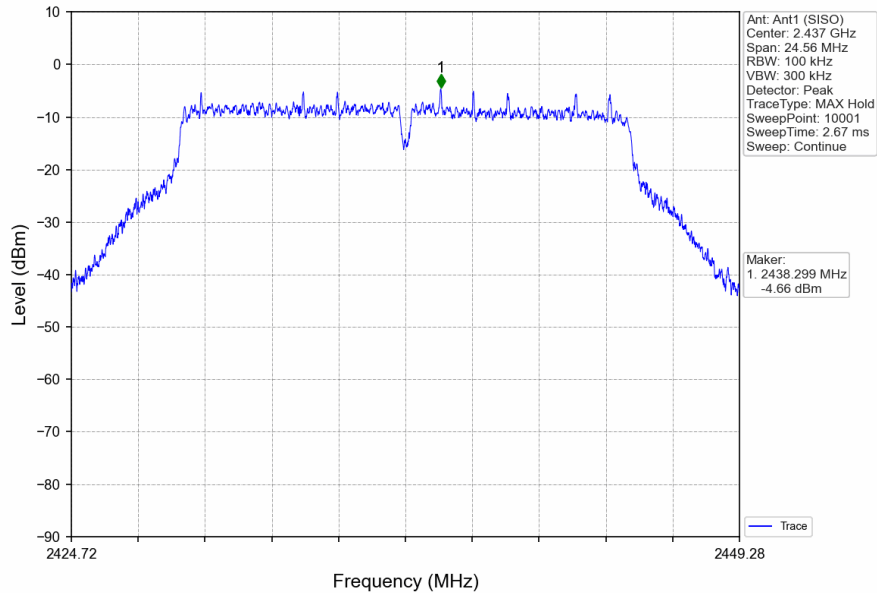
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



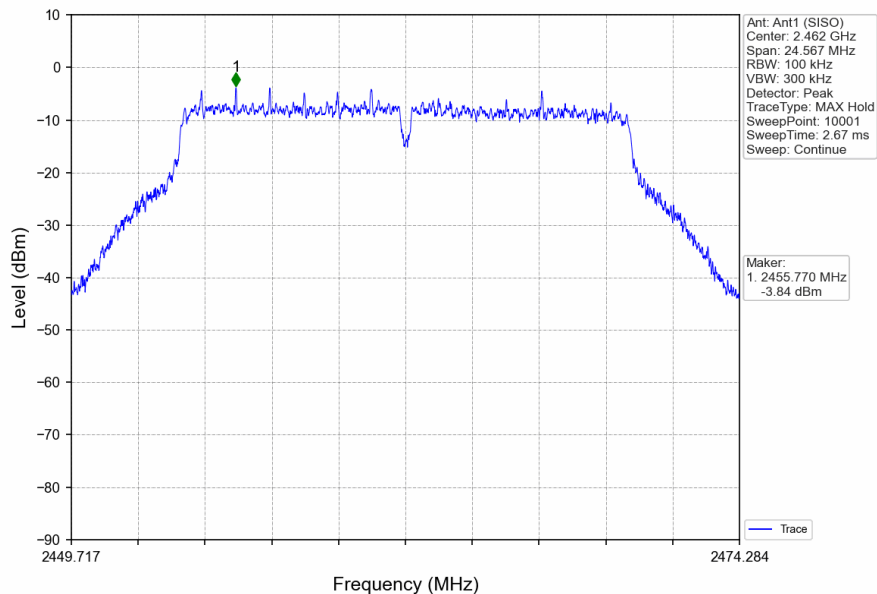
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



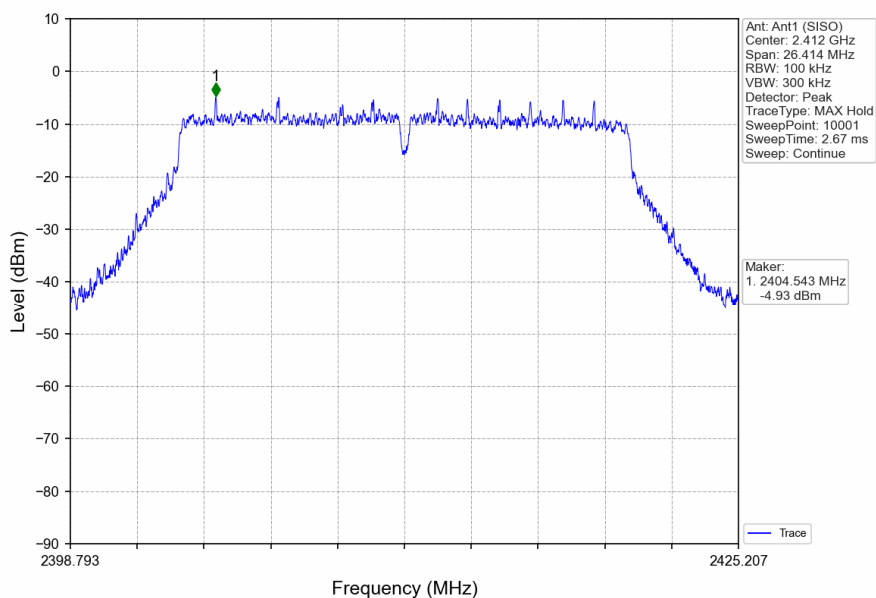
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



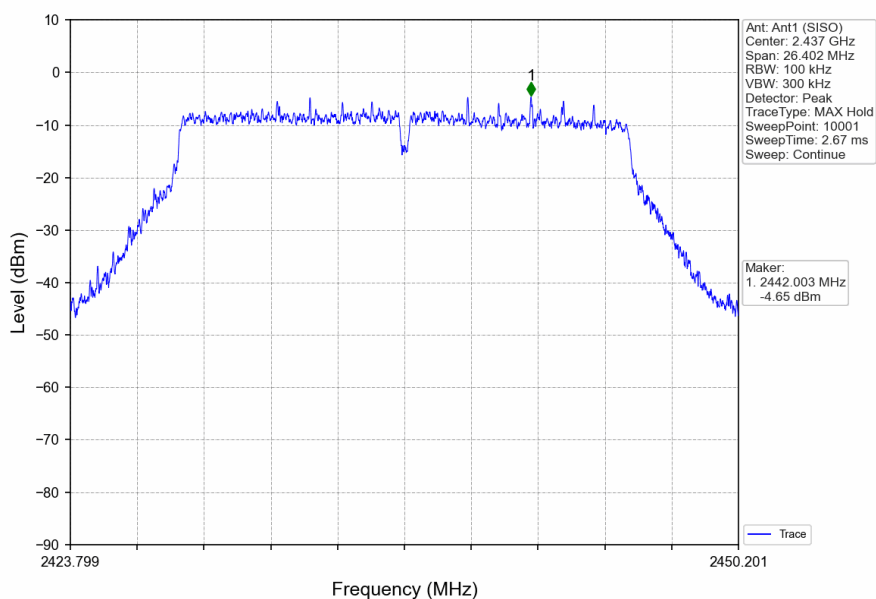
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



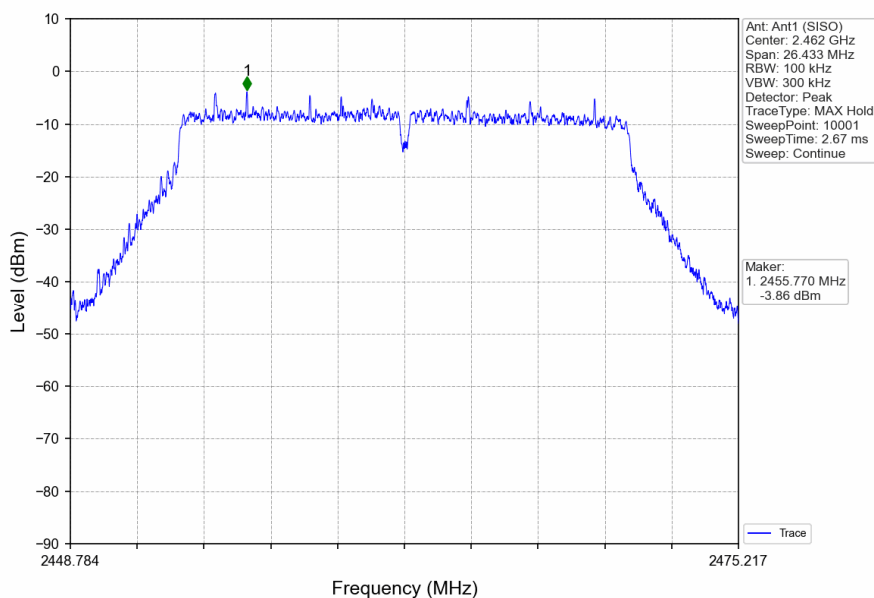
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



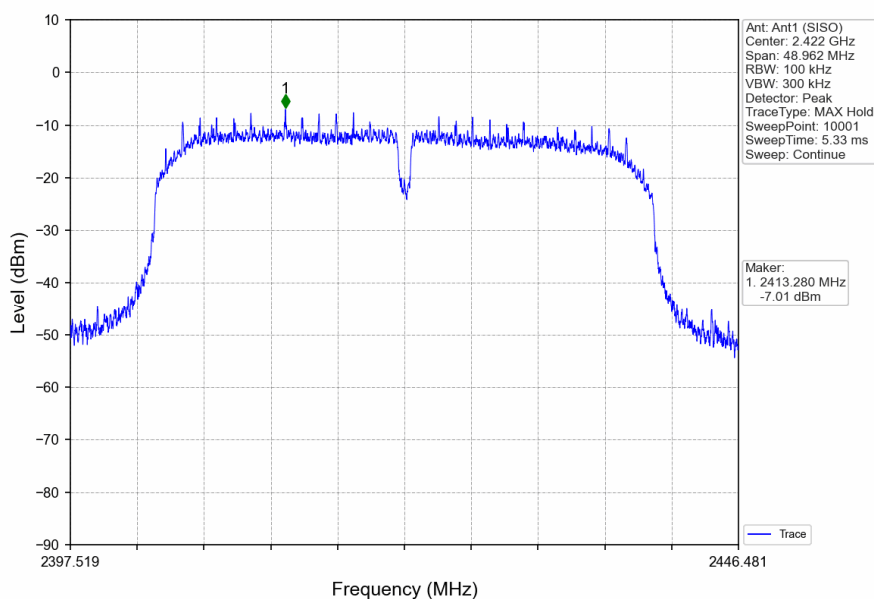
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



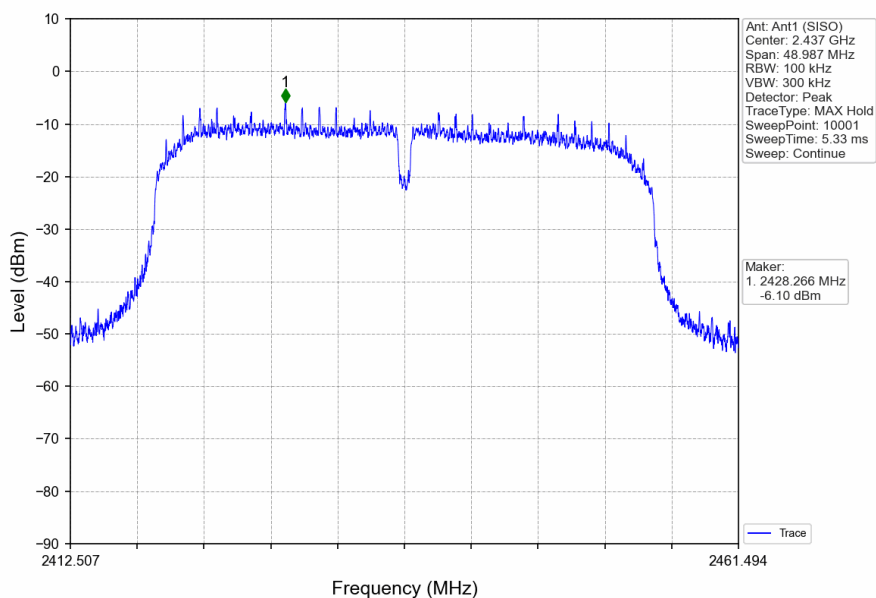
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



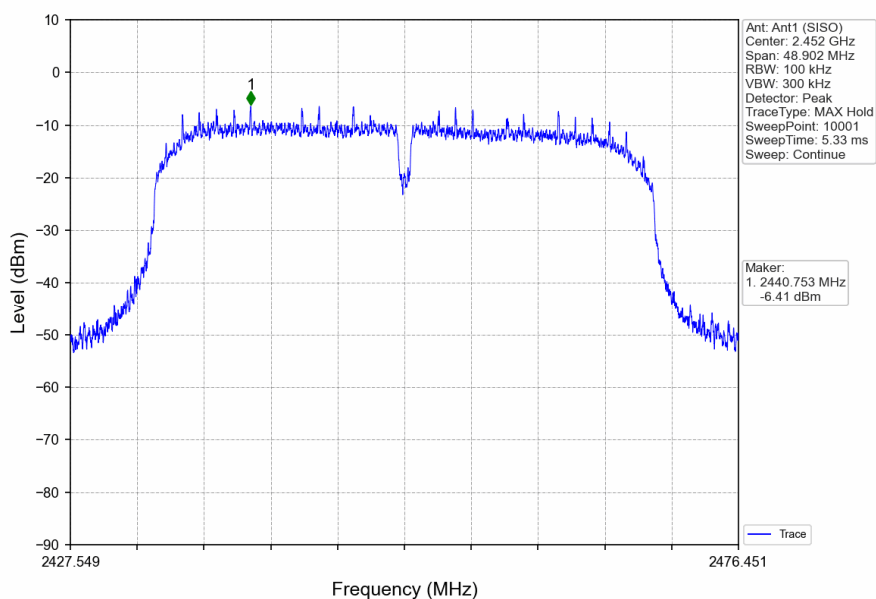
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



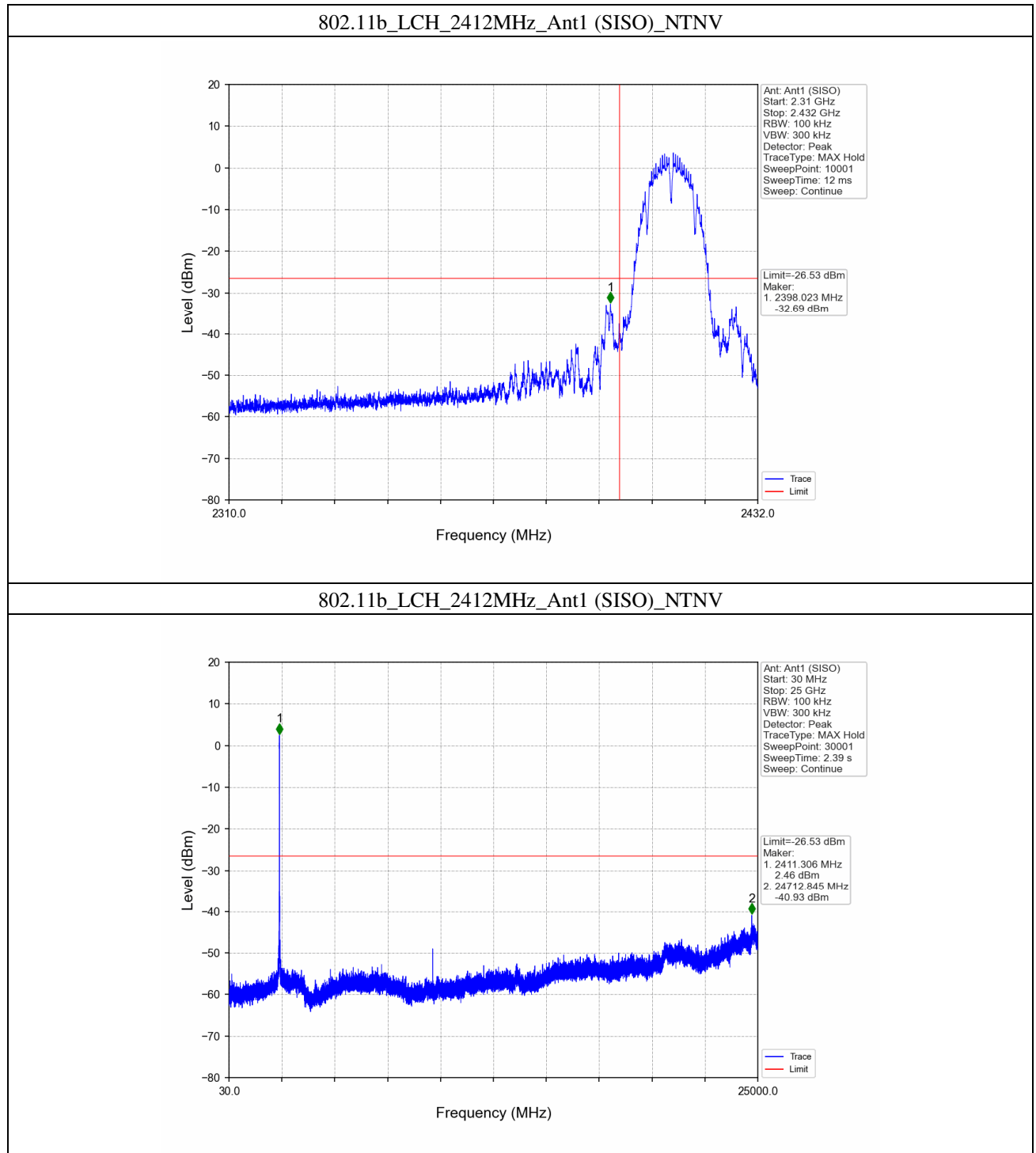
## 5.2 CSE

## 5.2.1 Test Result

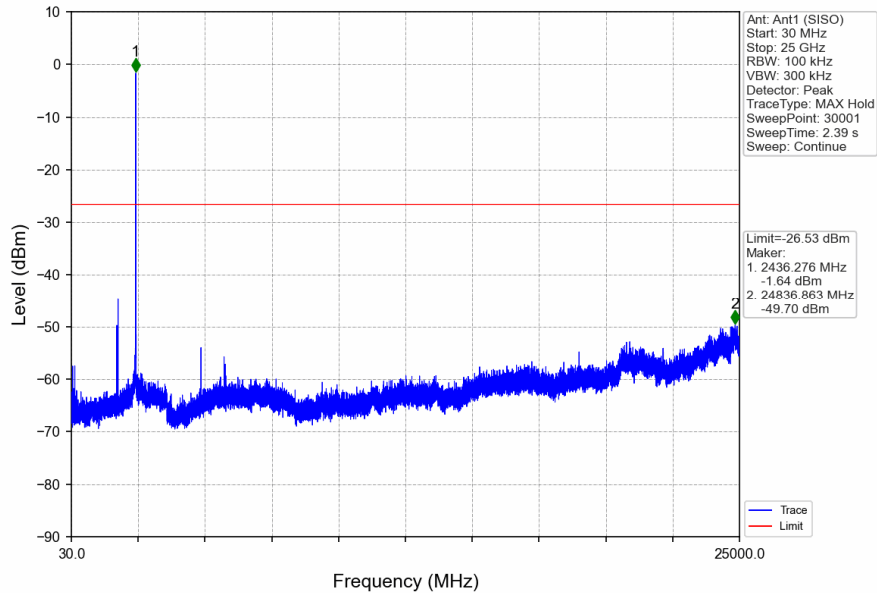
| Mode           | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 3.47                     | -26.53      | Pass    |
|                |         | 2437            | 1   | 3.47                     | -26.53      | Pass    |
|                |         | 2462            | 1   | 3.47                     | -26.53      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -3.84                    | -33.84      | Pass    |
|                |         | 2437            | 1   | -3.84                    | -33.84      | Pass    |
|                |         | 2462            | 1   | -3.84                    | -33.84      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -3.86                    | -33.86      | Pass    |
|                |         | 2437            | 1   | -3.86                    | -33.86      | Pass    |
|                |         | 2462            | 1   | -3.86                    | -33.86      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | -6.10                    | -36.10      | Pass    |
|                |         | 2437            | 1   | -6.10                    | -36.10      | Pass    |
|                |         | 2452            | 1   | -6.10                    | -36.10      | 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.

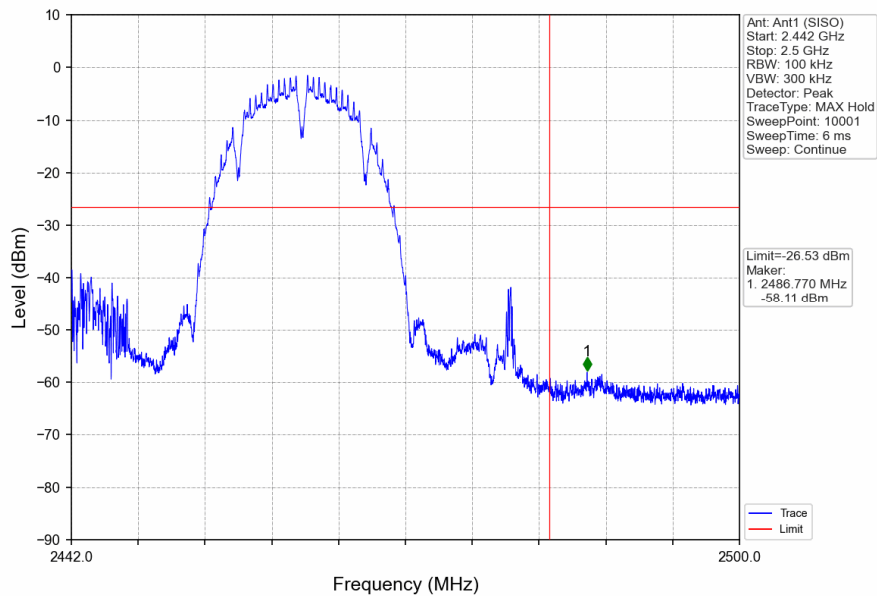
### 5.2.2 Test Graph



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

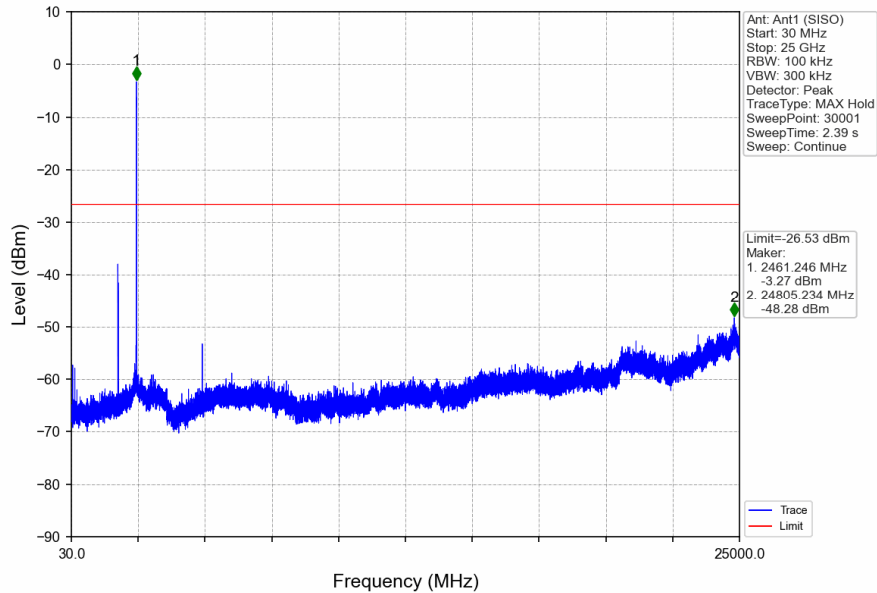


### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

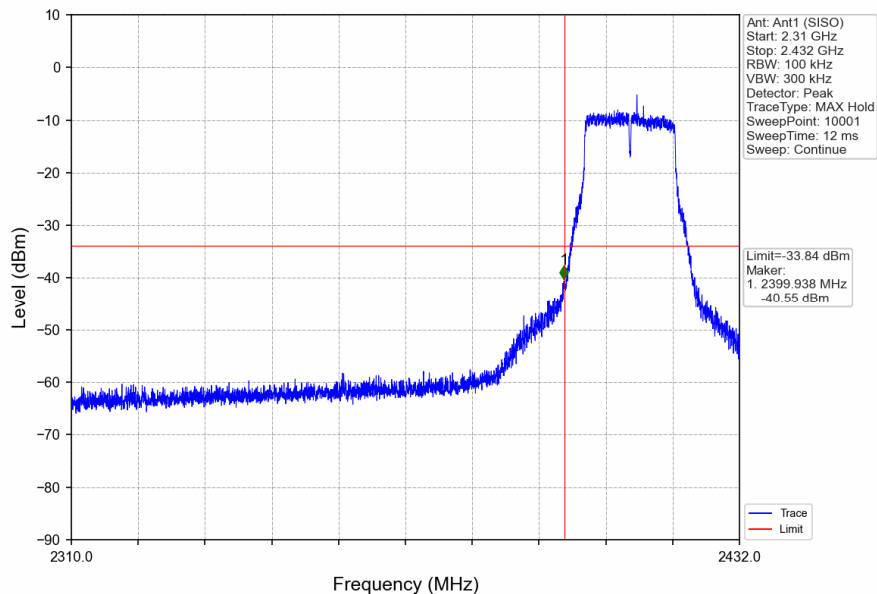


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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



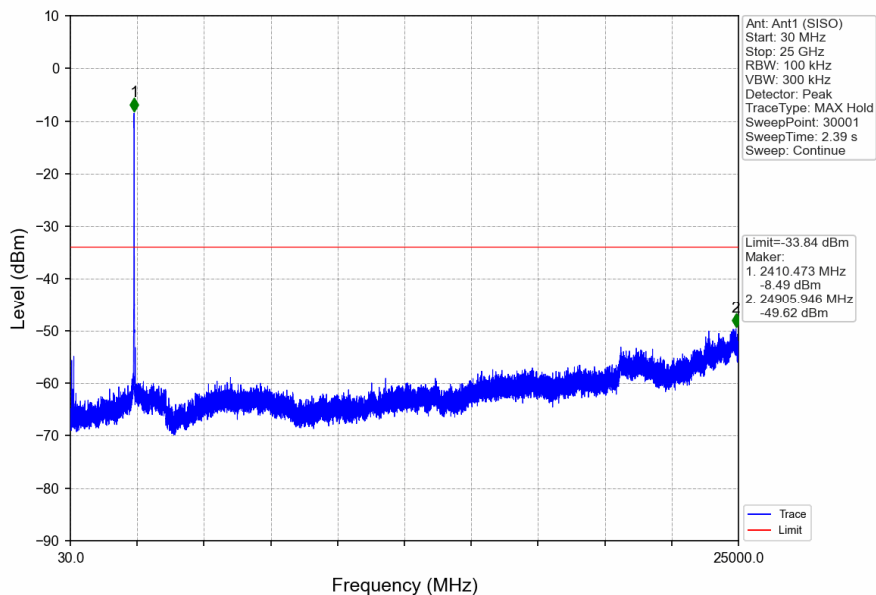
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



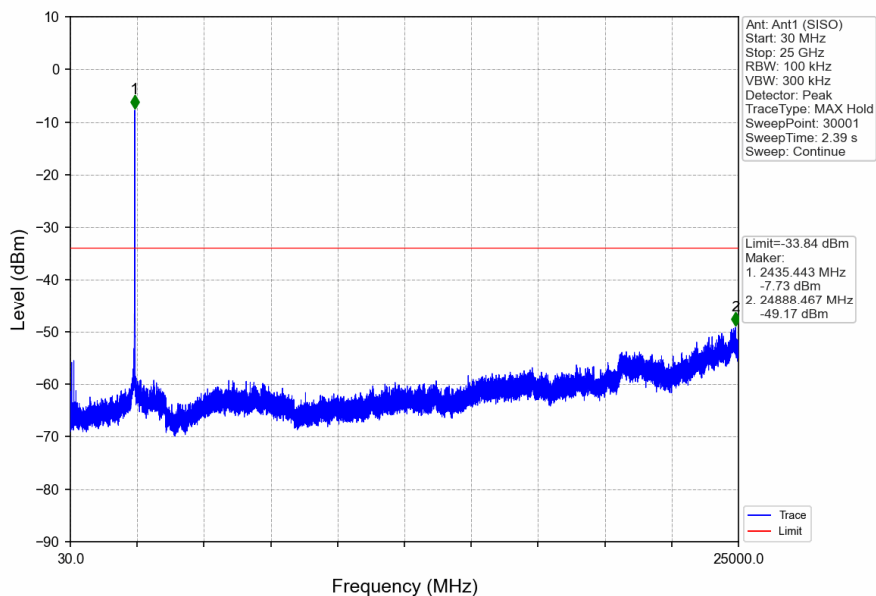
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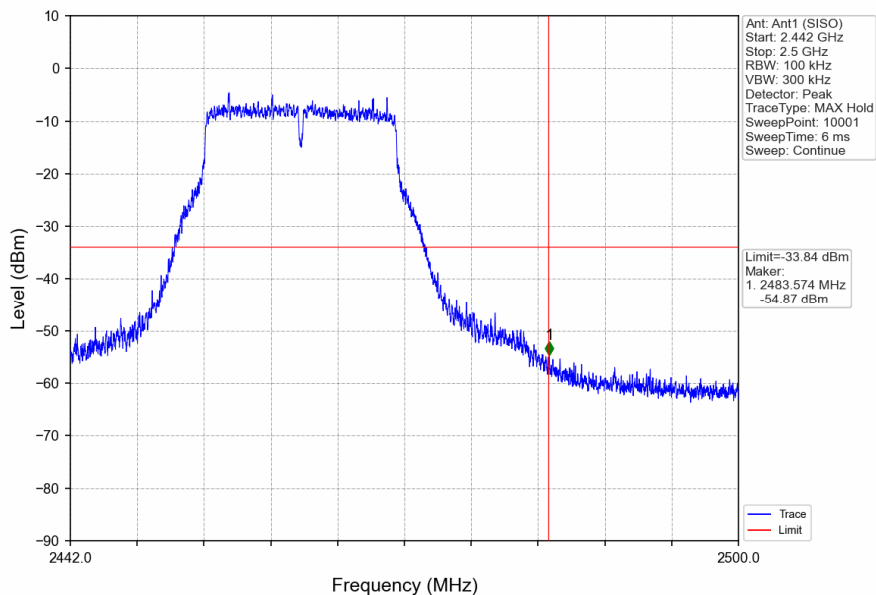


802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

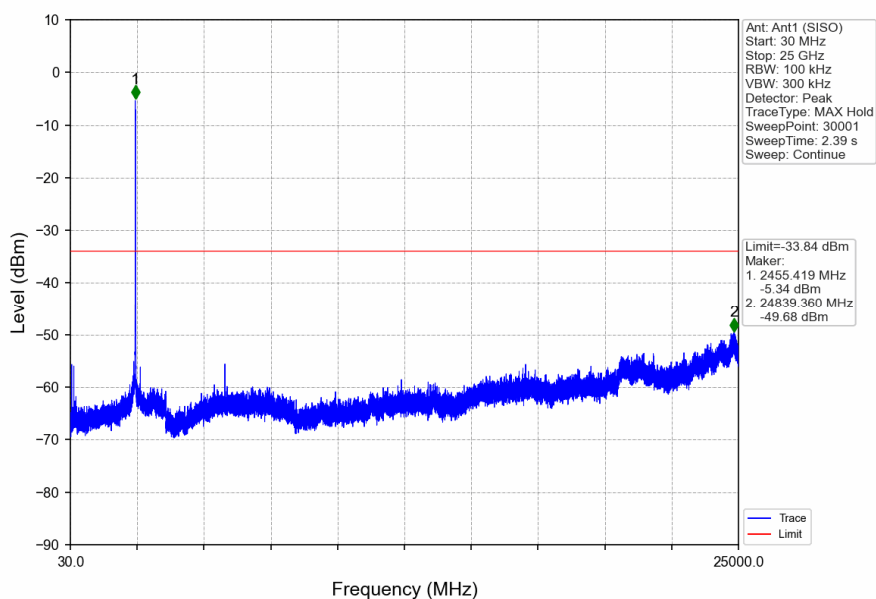


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802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



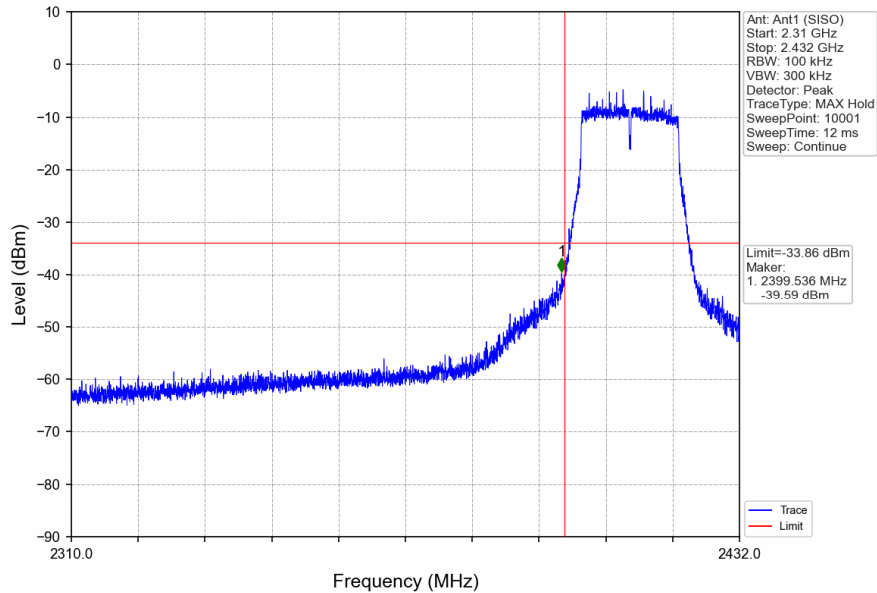
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



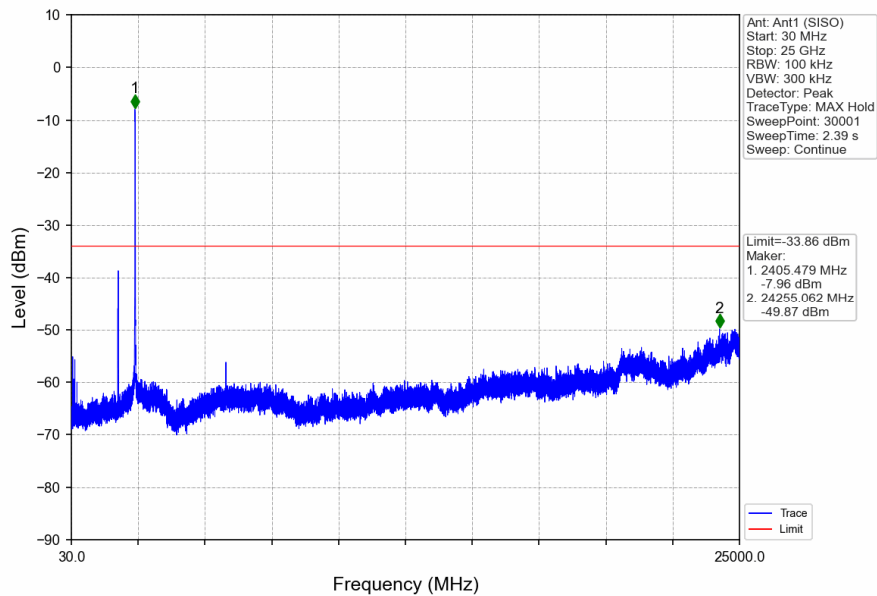
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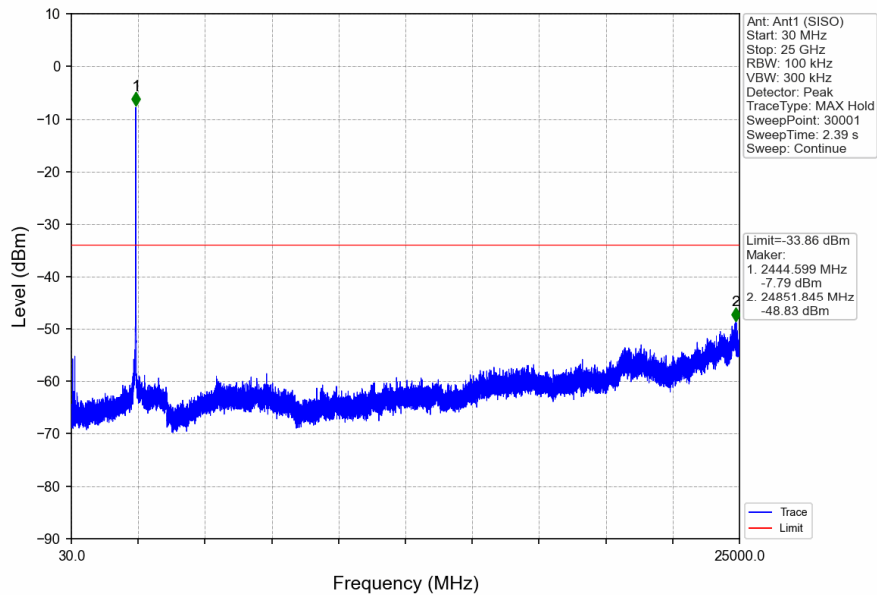
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



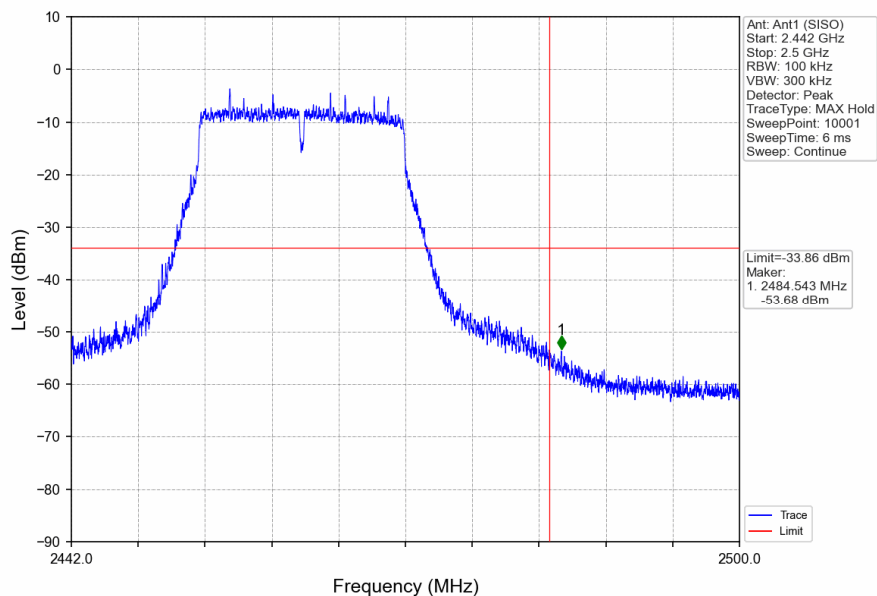
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



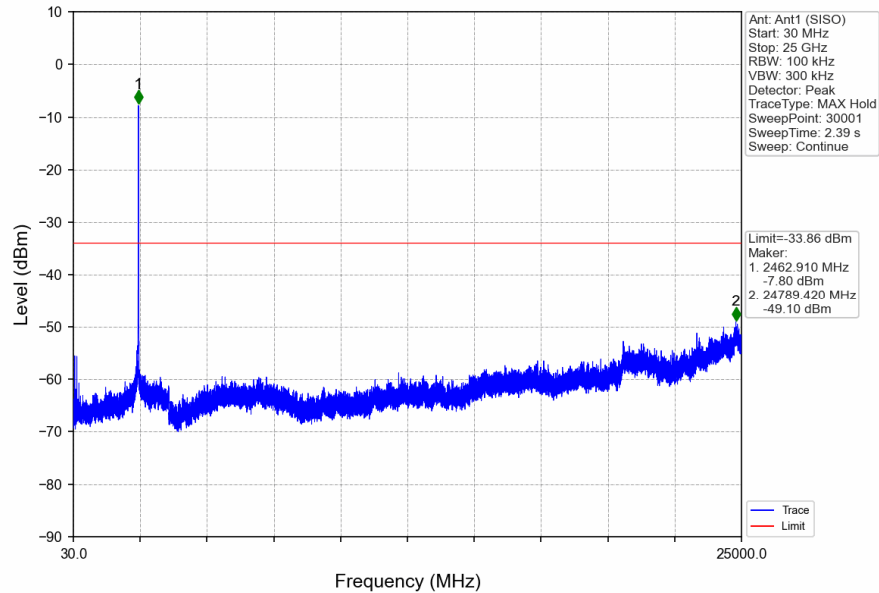
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



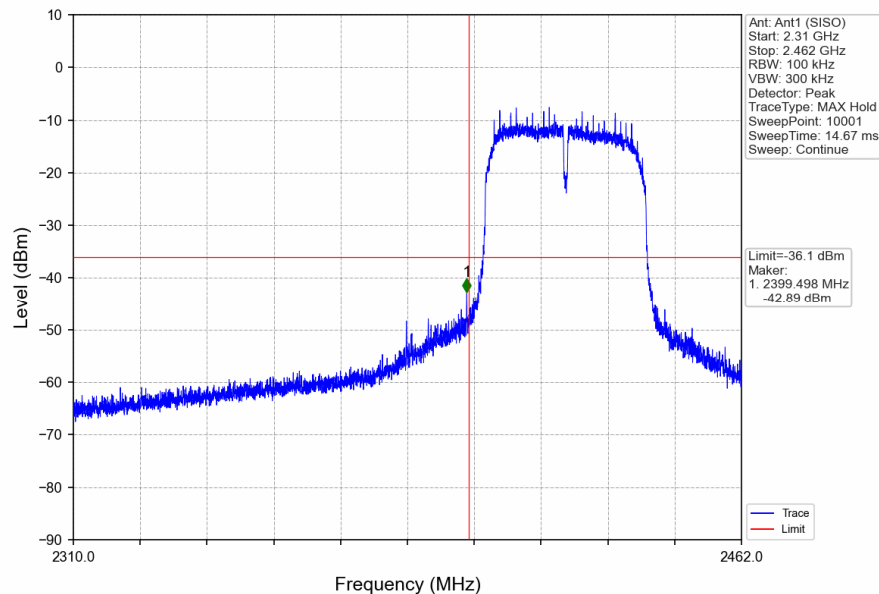
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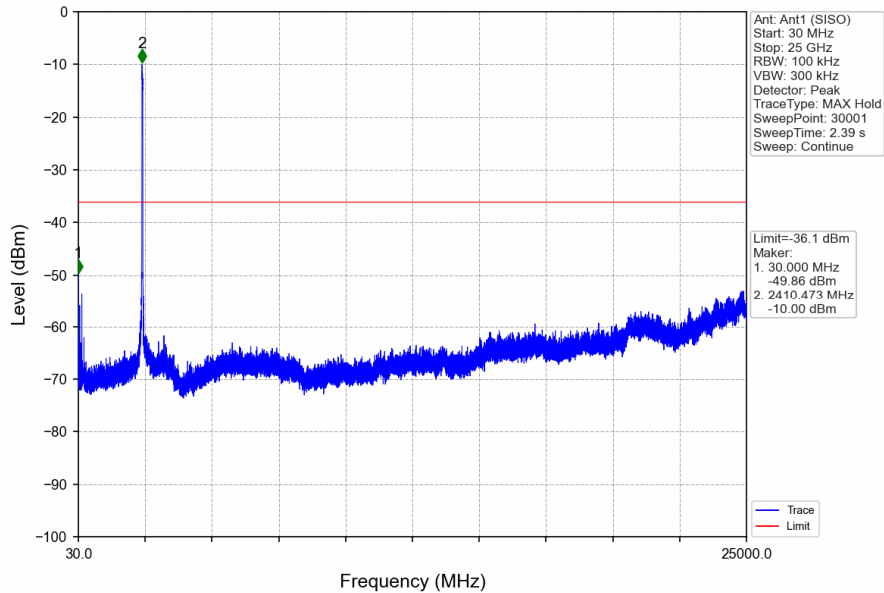
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



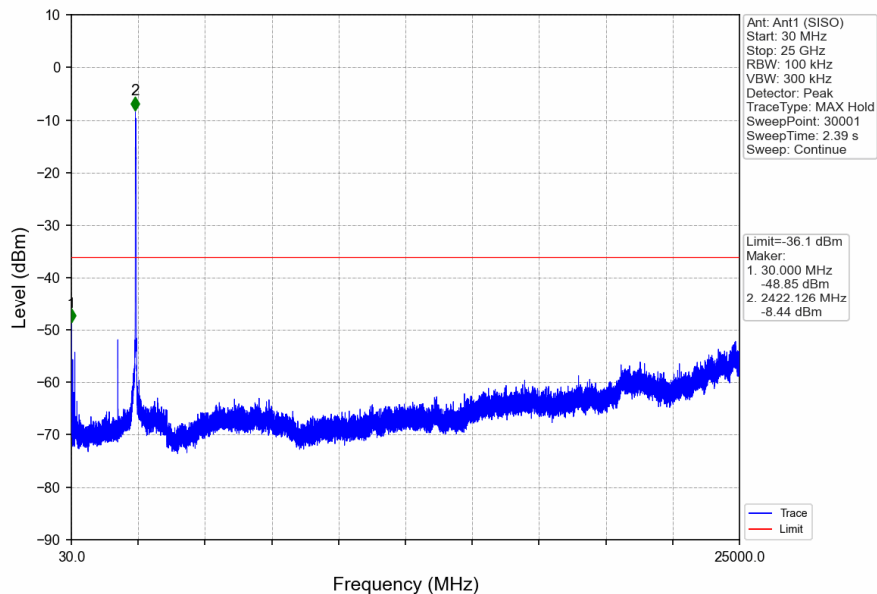
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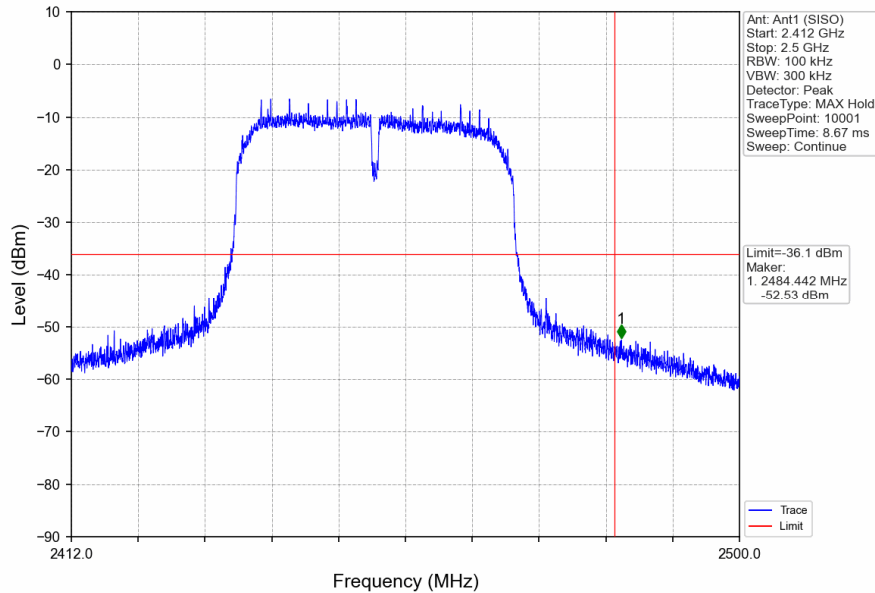
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



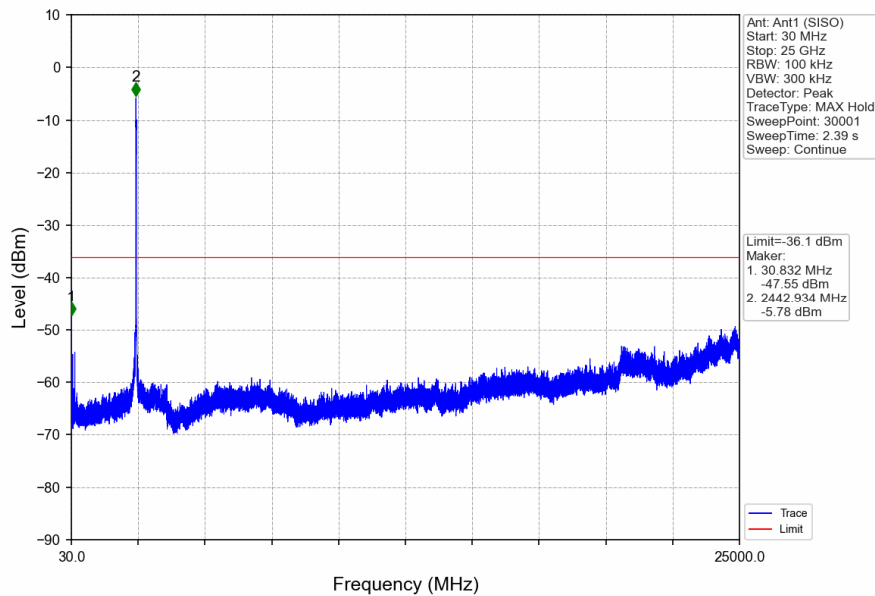
### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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



- End of the Report -



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