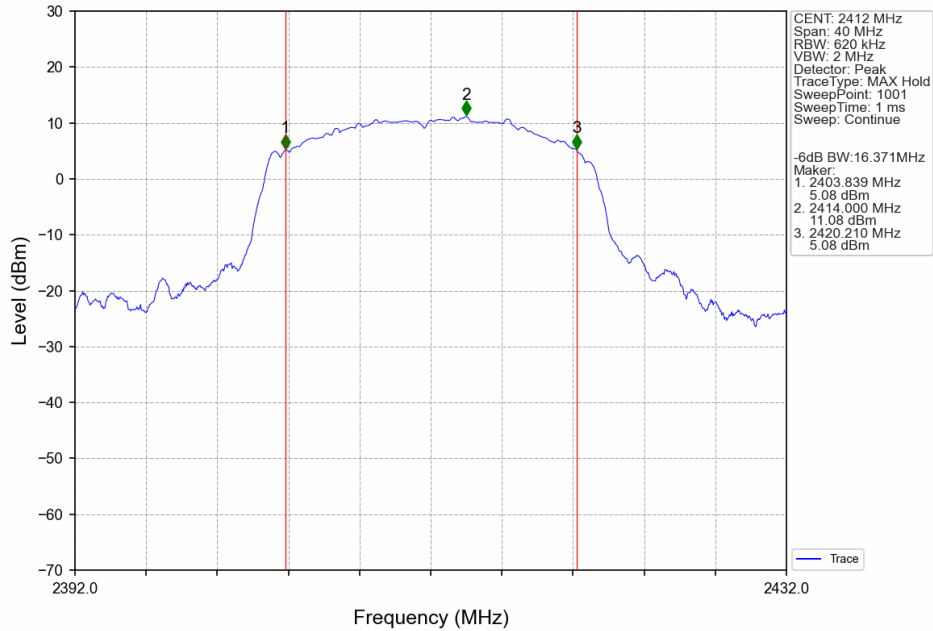
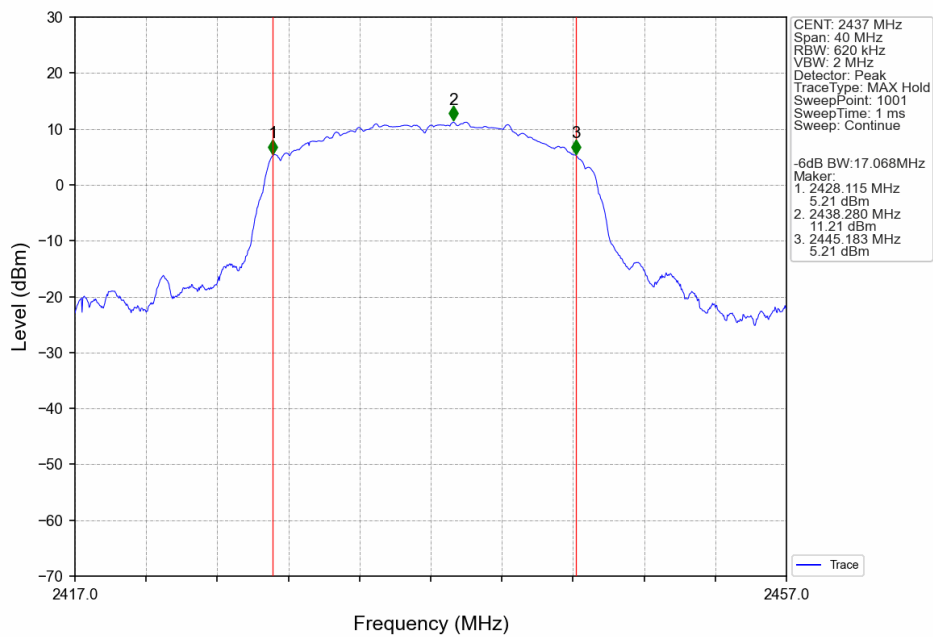


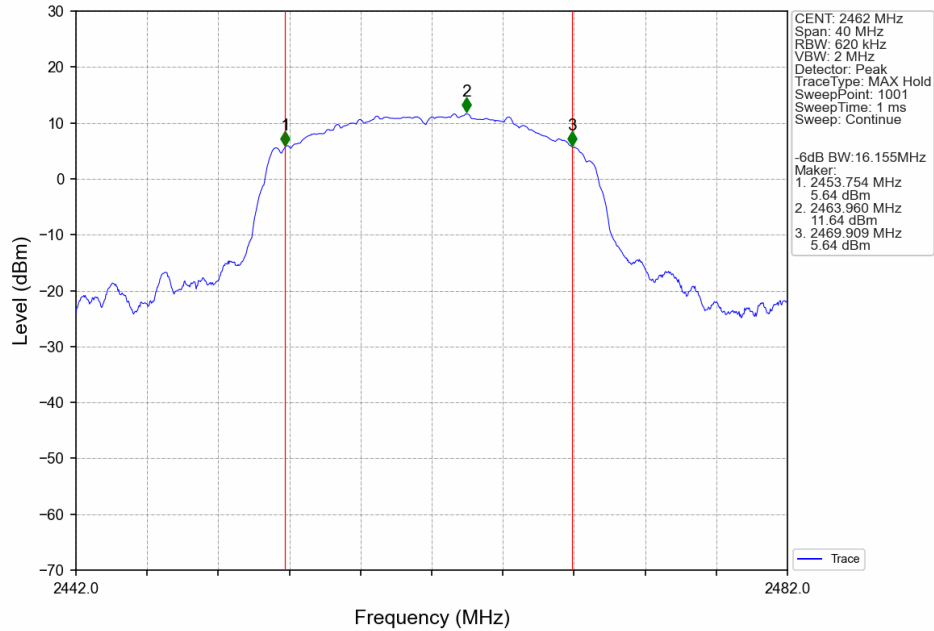
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



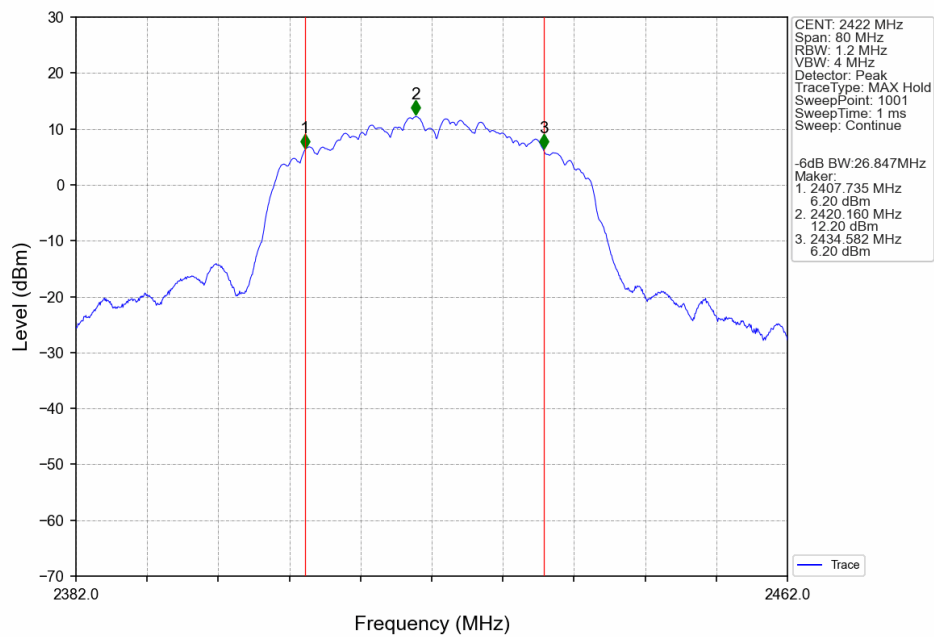
## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



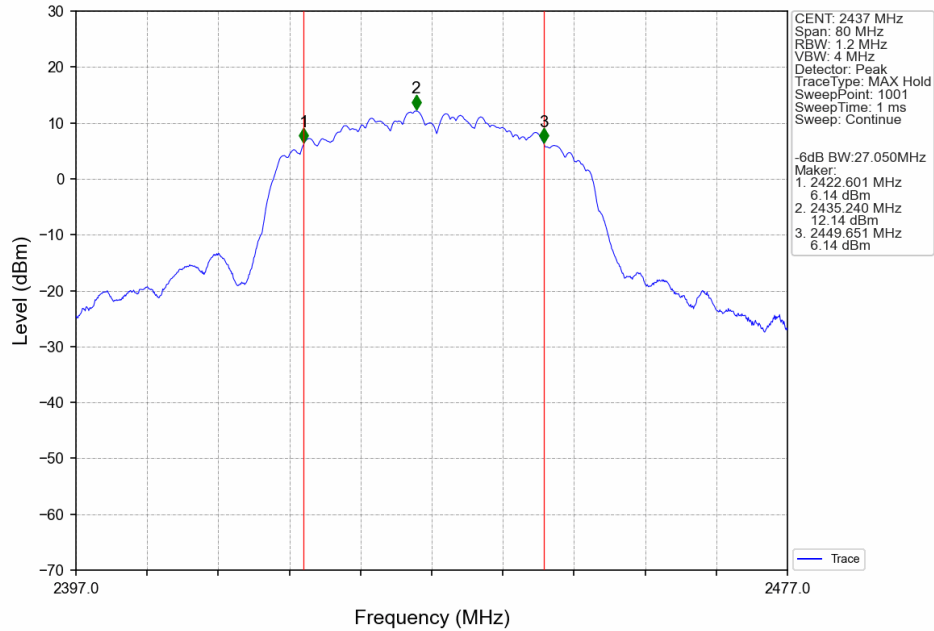
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



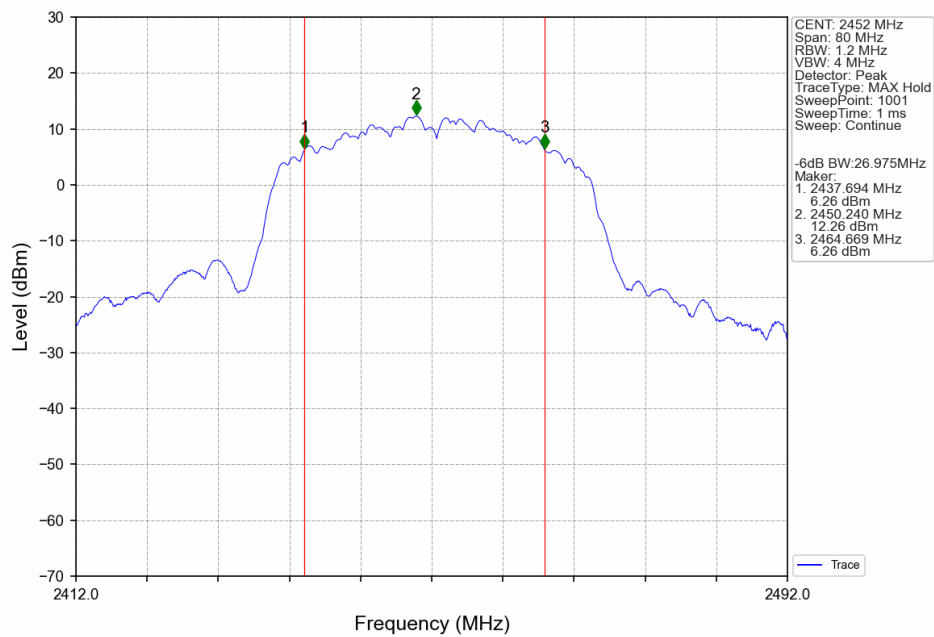
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTN



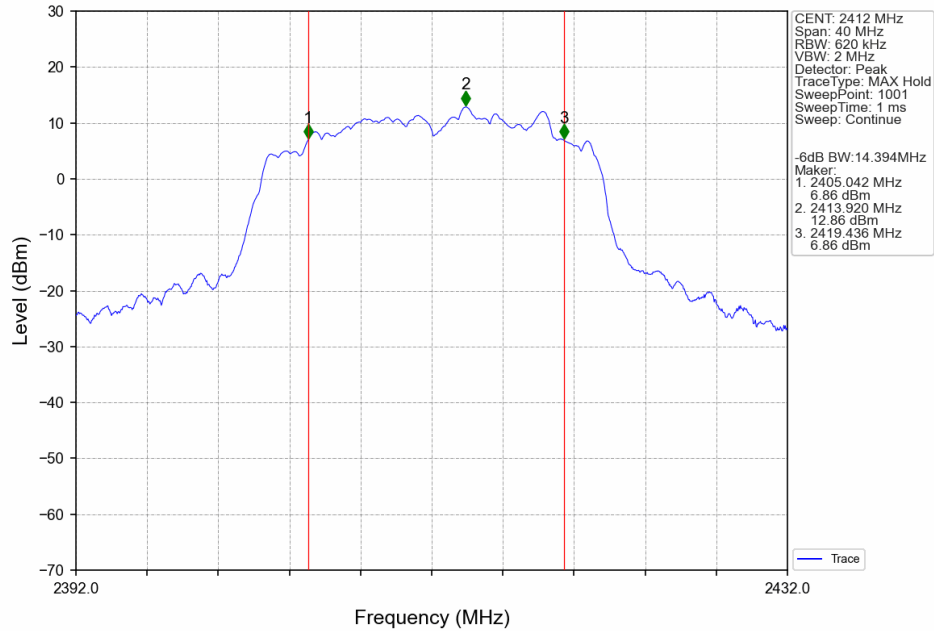
802.11n(HT40) MCH\_2437MHz\_Ant1 (SISO) NTN



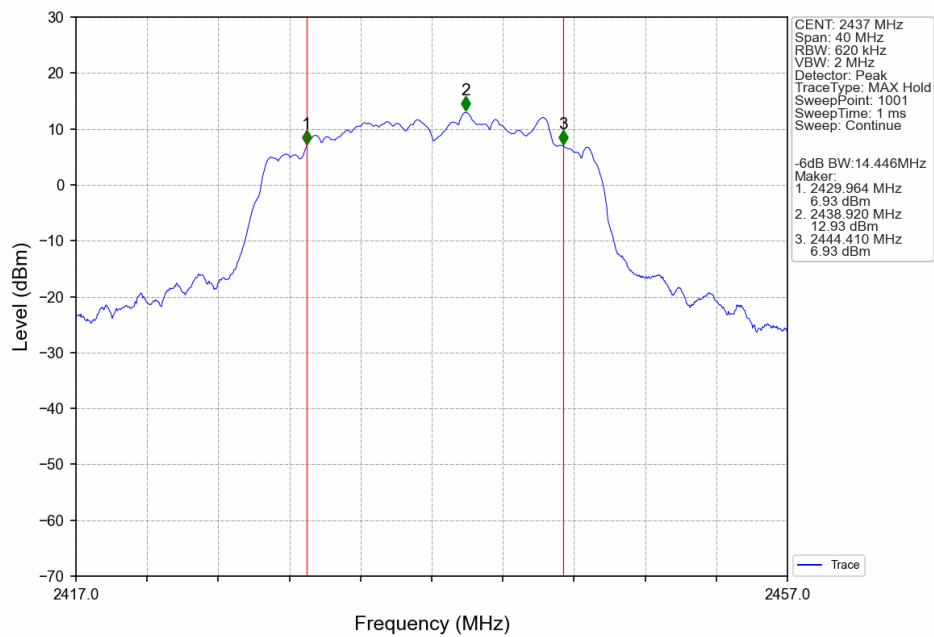
802.11n(HT40) HCH\_2452MHz\_Ant1 (SISO) NTN



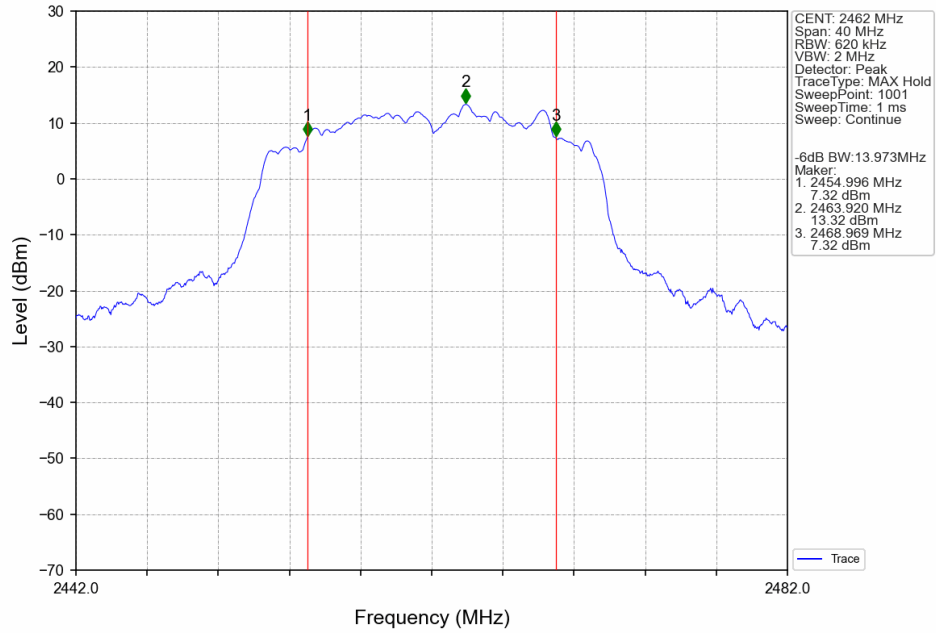
## 802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



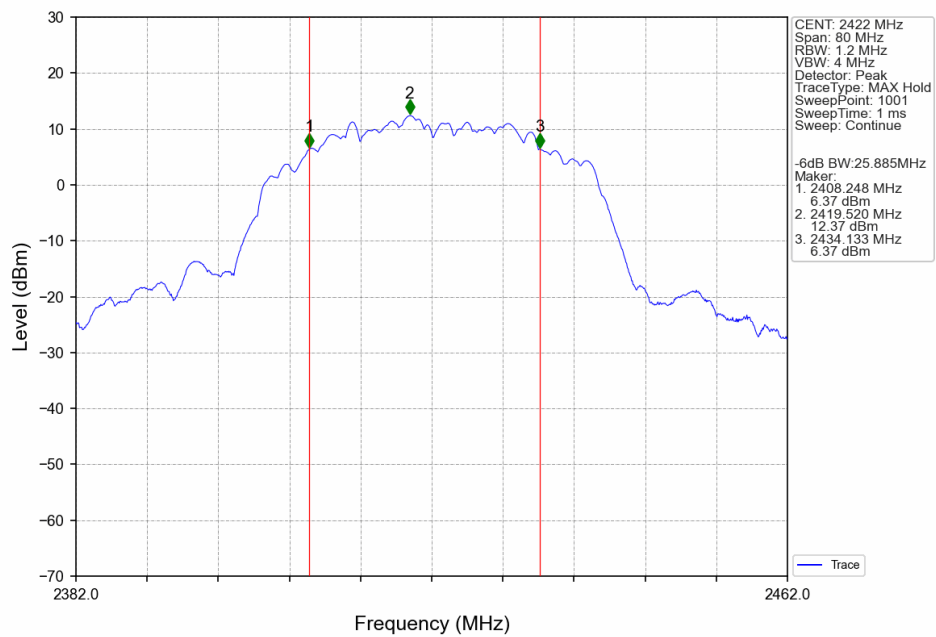
## 802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



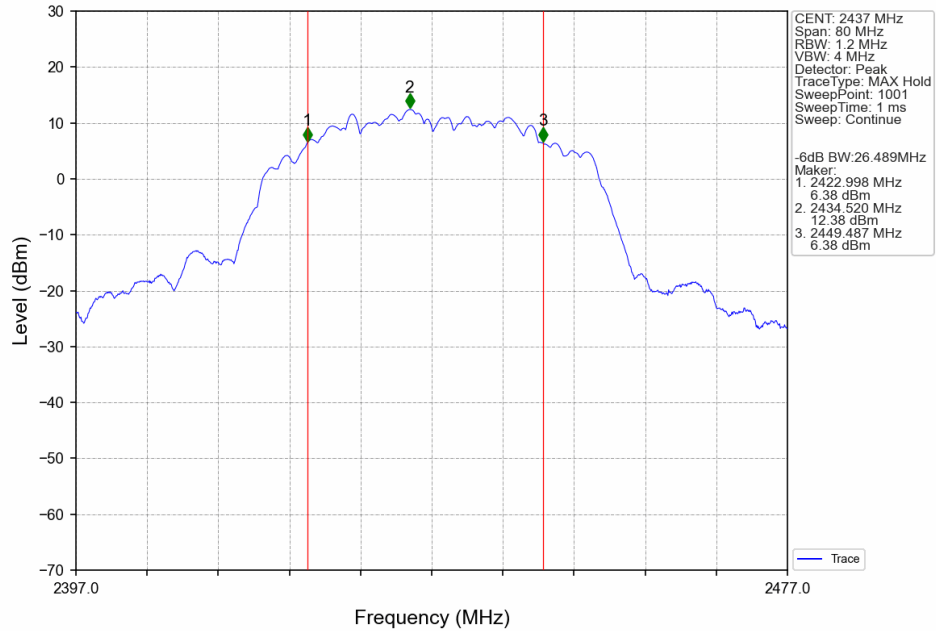
## 802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN



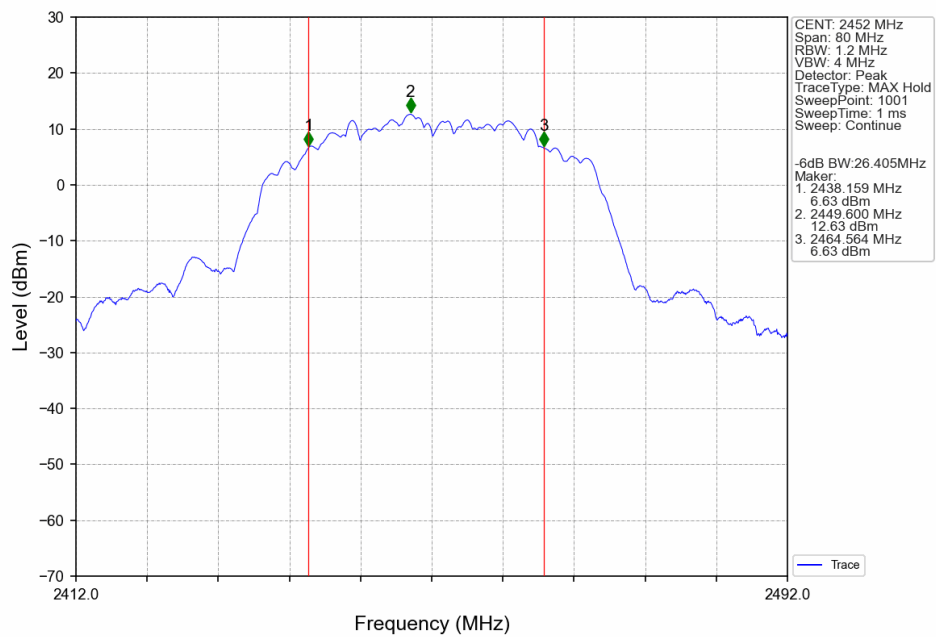
## 802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



## 802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTN



## 802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN





### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-------------------------------------------|-------|---------|
|                  |         |                 |       |        | ANT1                                      | Limit |         |
| 802.11b          | SISO    | 2412            | /     | /      | 21.71                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 21.93                                     | <=30  | Pass    |
|                  |         | 2462            | /     | /      | 22.51                                     | <=30  | Pass    |
| 802.11g          | SISO    | 2412            | /     | /      | 25.36                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 25.61                                     | <=30  | Pass    |
|                  |         | 2462            | /     | /      | 25.94                                     | <=30  | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | 24.37                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 24.60                                     | <=30  | Pass    |
|                  |         | 2462            | /     | /      | 24.86                                     | <=30  | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | 22.51                                     | <=30  | Pass    |
|                  |         | 2437            | /     | /      | 22.56                                     | <=30  | Pass    |
|                  |         | 2452            | /     | /      | 22.72                                     | <=30  | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | RU26  | Left   | 15.71                                     | <=30  | Pass    |
|                  |         |                 | RU52  | Left   | 20.39                                     | <=30  | Pass    |
|                  |         |                 | RU106 | Left   | 21.56                                     | <=30  | Pass    |
|                  |         |                 | SU    | /      | 23.83                                     | <=30  | Pass    |
|                  |         | 2437            | RU26  | Left   | 16.12                                     | <=30  | Pass    |
|                  |         |                 | RU52  | Left   | 18.31                                     | <=30  | Pass    |
|                  |         |                 | RU106 | Left   | 22.12                                     | <=30  | Pass    |
|                  |         |                 | SU    | /      | 24.02                                     | <=30  | Pass    |
|                  |         | 2462            | RU26  | Right  | 16.38                                     | <=30  | Pass    |
|                  |         |                 | RU52  | Right  | 19.90                                     | <=30  | Pass    |
|                  |         |                 | RU106 | Right  | 22.12                                     | <=30  | Pass    |
|                  |         |                 | SU    | /      | 24.27                                     | <=30  | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | SU    | /      | 22.77                                     | <=30  | Pass    |
|                  |         | 2437            | SU    | /      | 22.89                                     | <=30  | Pass    |
|                  |         | 2452            | SU    | /      | 23.16                                     | <=30  | Pass    |

Note1: Antenna Gain: Ant1: 1.72dBi;



## 4. Maximum Power Spectral Density

### 4.1 Test Result

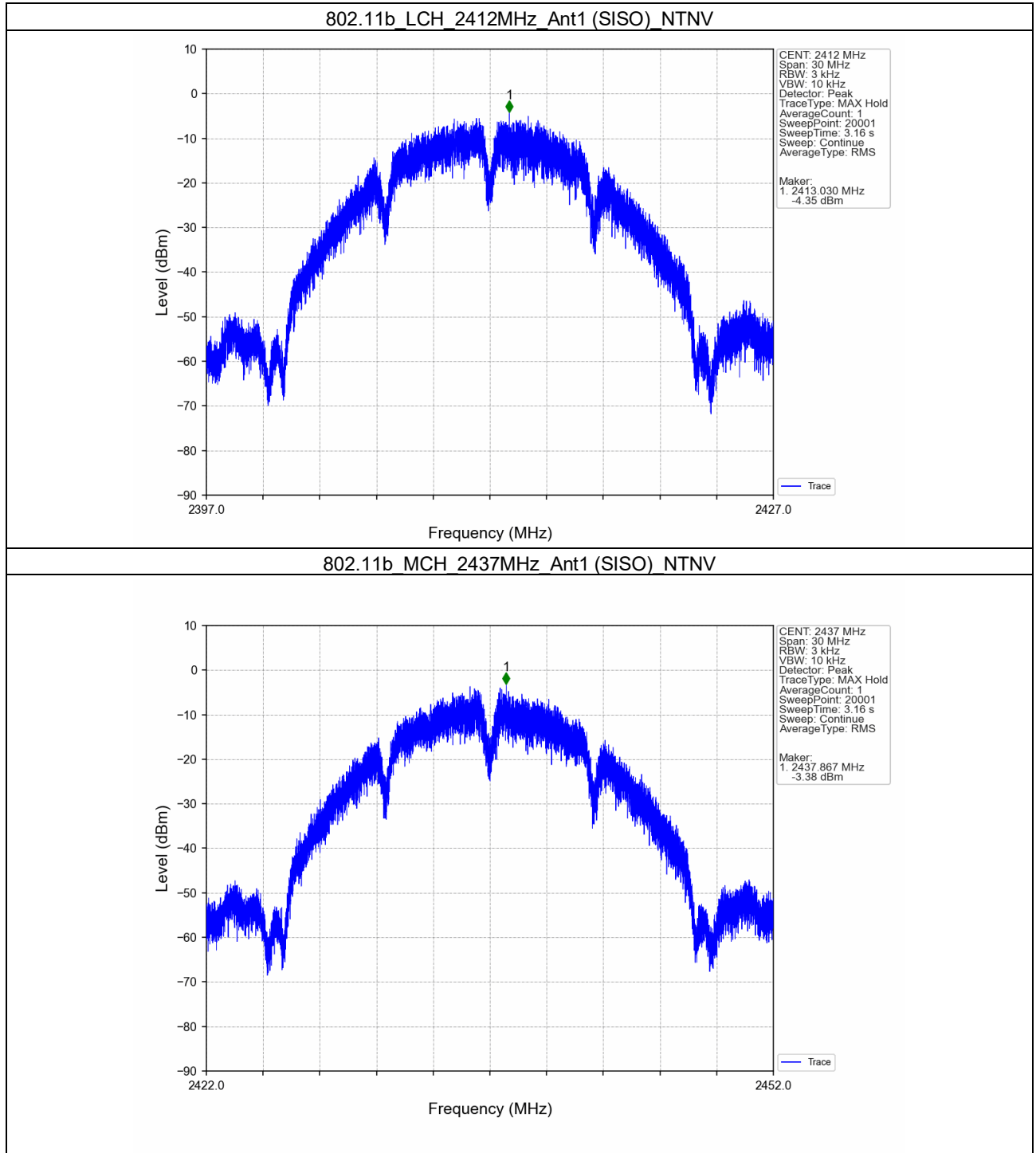
#### 4.1.1 PSD

| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum PSD (dBm) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-------------------|-------|---------|
|                  |         |                 |       |        | ANT1              | Limit |         |
| 802.11b          | SISO    | 2412            | /     | /      | -4.35             | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -3.38             | <=8   | Pass    |
|                  |         | 2462            | /     | /      | -3.29             | <=8   | Pass    |
| 802.11g          | SISO    | 2412            | /     | /      | -7.02             | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -7.46             | <=8   | Pass    |
|                  |         | 2462            | /     | /      | -7.31             | <=8   | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /     | /      | -6.68             | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -6.48             | <=8   | Pass    |
|                  |         | 2462            | /     | /      | -6.05             | <=8   | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /     | /      | -7.63             | <=8   | Pass    |
|                  |         | 2437            | /     | /      | -7.66             | <=8   | Pass    |
|                  |         | 2452            | /     | /      | -7.58             | <=8   | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | RU26  | Left   | -9.09             | <=8   | Pass    |
|                  |         |                 | RU52  | Left   | -8.16             | <=8   | Pass    |
|                  |         |                 | RU106 | Left   | -9.81             | <=8   | Pass    |
|                  |         |                 | SU    | /      | -8.10             | <=8   | Pass    |
|                  |         | 2437            | RU26  | Left   | -8.56             | <=8   | Pass    |
|                  |         |                 | RU52  | Left   | -9.35             | <=8   | Pass    |
|                  |         |                 | RU106 | Left   | -9.23             | <=8   | Pass    |
|                  |         |                 | SU    | /      | -8.01             | <=8   | Pass    |
|                  |         | 2462            | RU26  | Right  | -8.05             | <=8   | Pass    |
|                  |         |                 | RU52  | Right  | -8.38             | <=8   | Pass    |
|                  |         |                 | RU106 | Right  | -8.36             | <=8   | Pass    |
|                  |         |                 | SU    | /      | -7.72             | <=8   | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | SU    | /      | -9.73             | <=8   | Pass    |
|                  |         | 2437            | SU    | /      | -9.70             | <=8   | Pass    |
|                  |         | 2452            | SU    | /      | -9.25             | <=8   | Pass    |

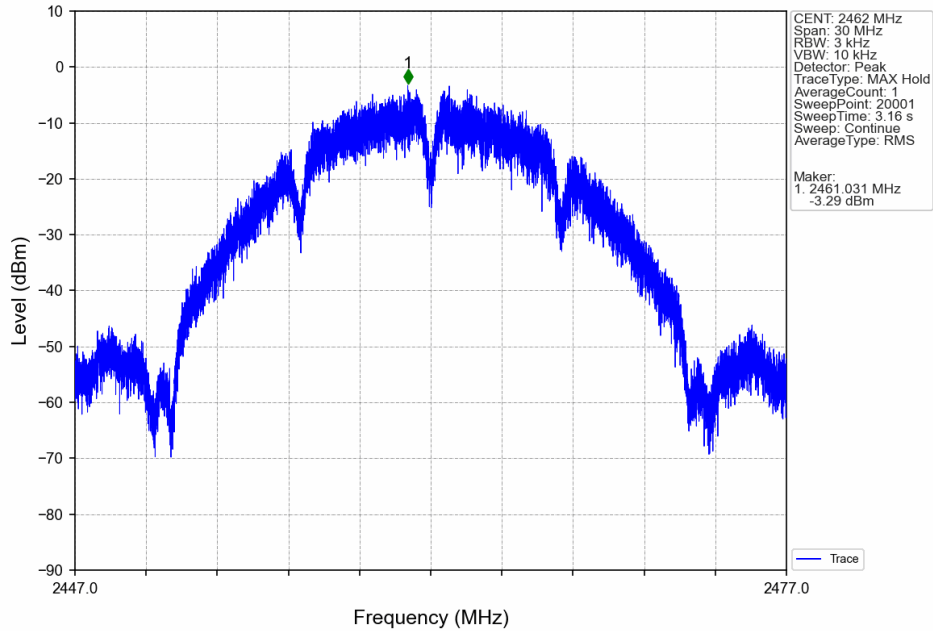
Note1: Antenna Gain: Ant1: 1.72dBi;

## 4.2 Test Graph

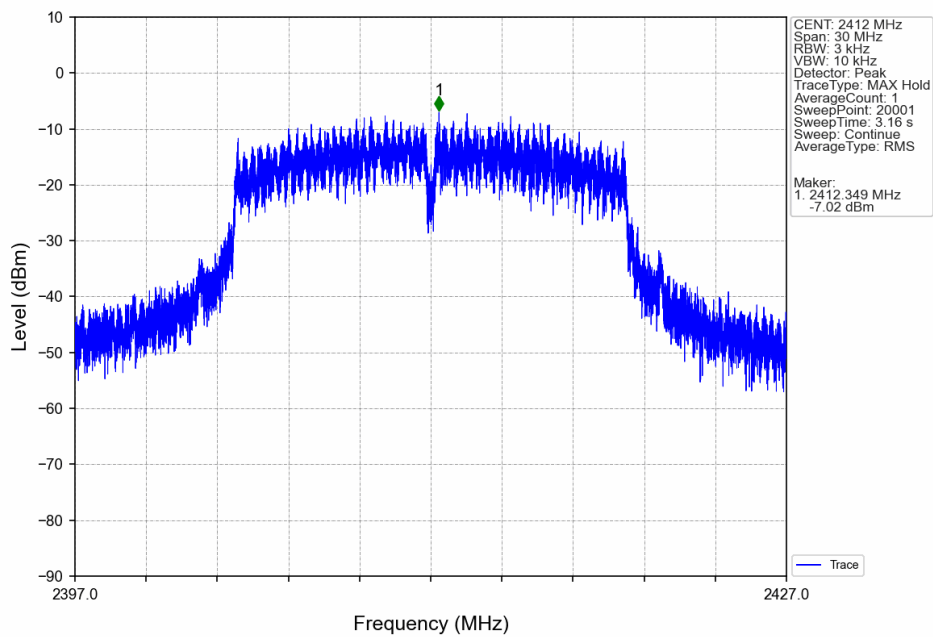
### 4.2.1 PSD



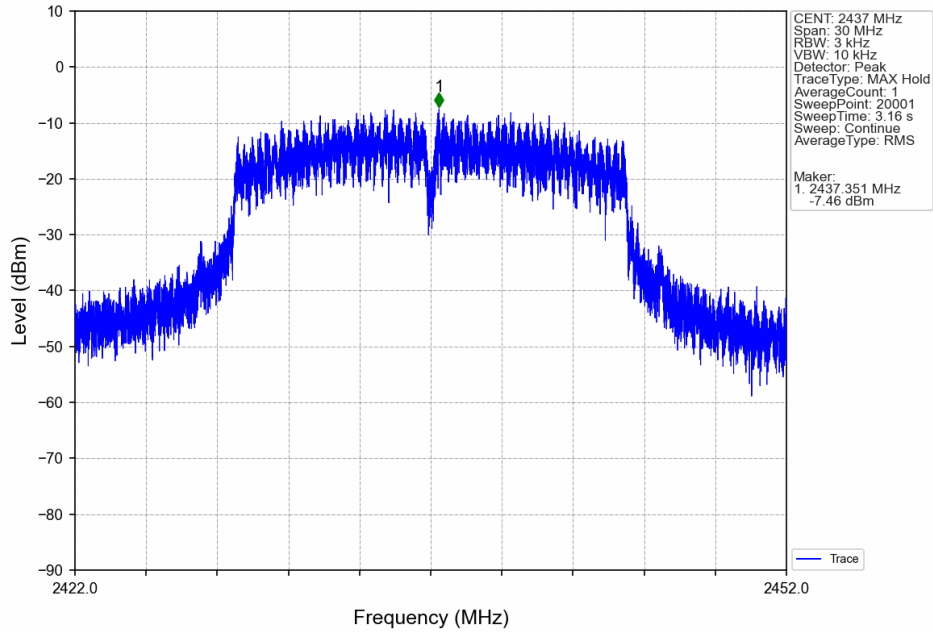
## 802.11b HCH 2462MHz\_Ant1 (SISO)\_NTNV



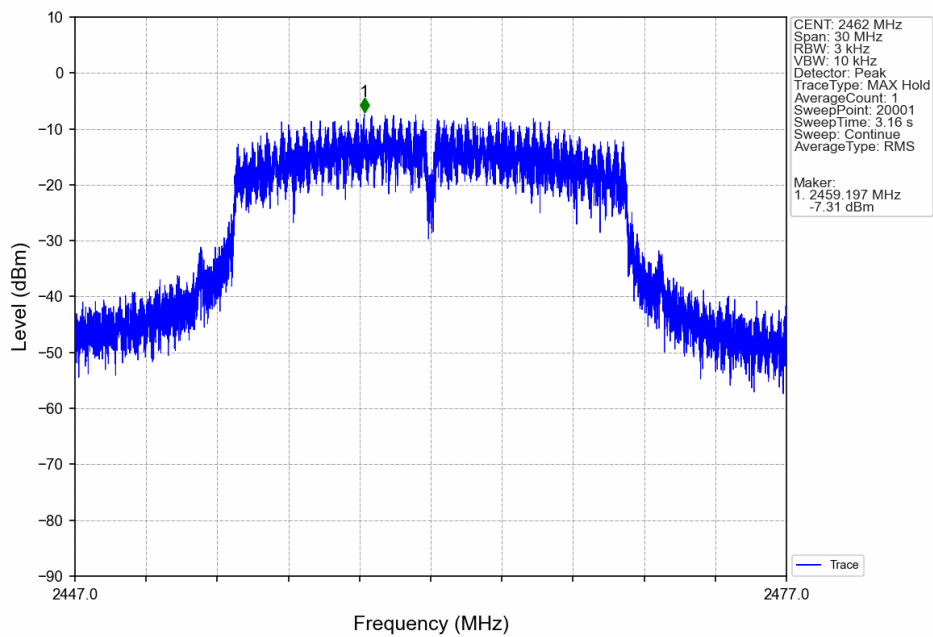
## 802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



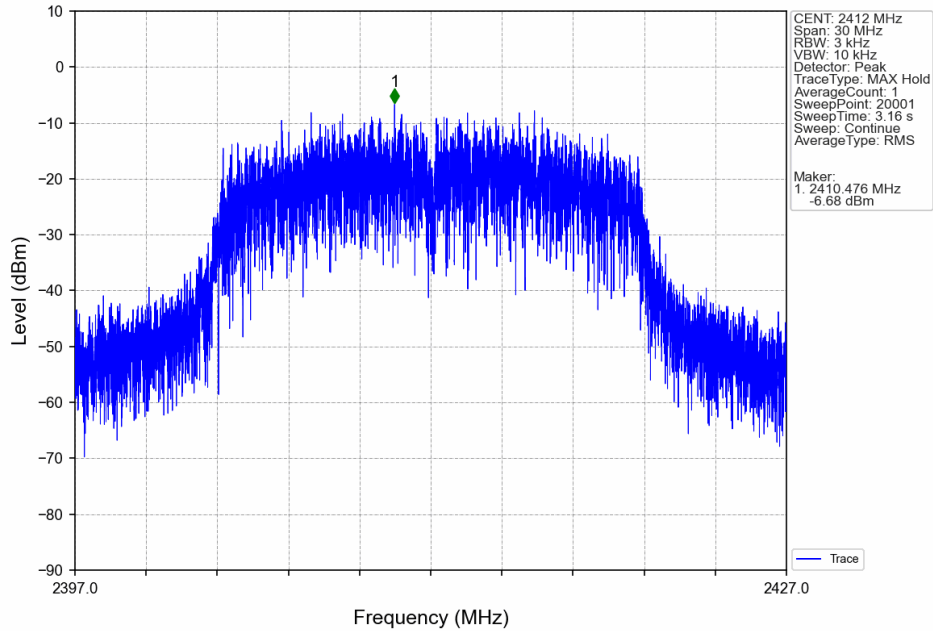
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



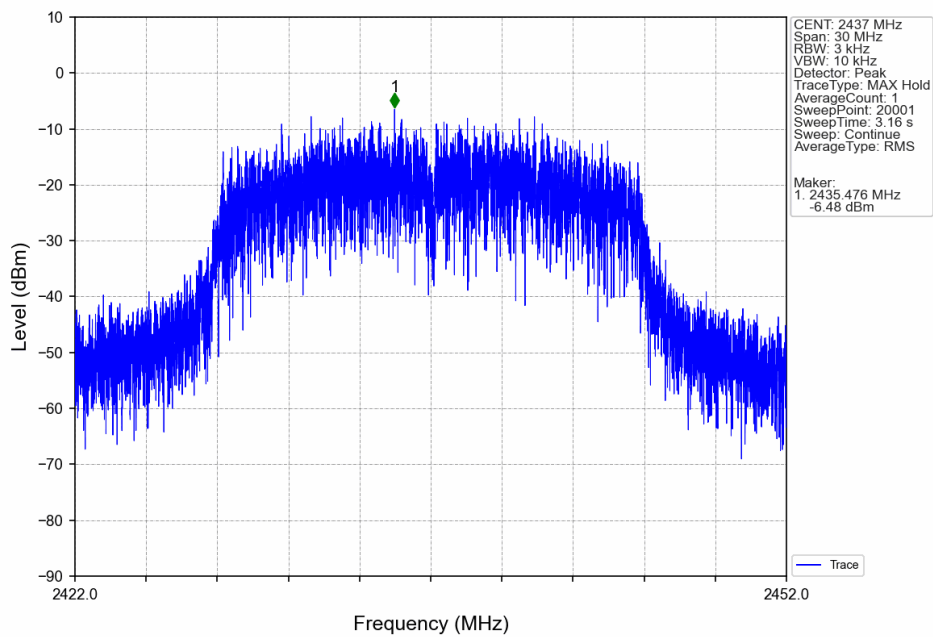
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



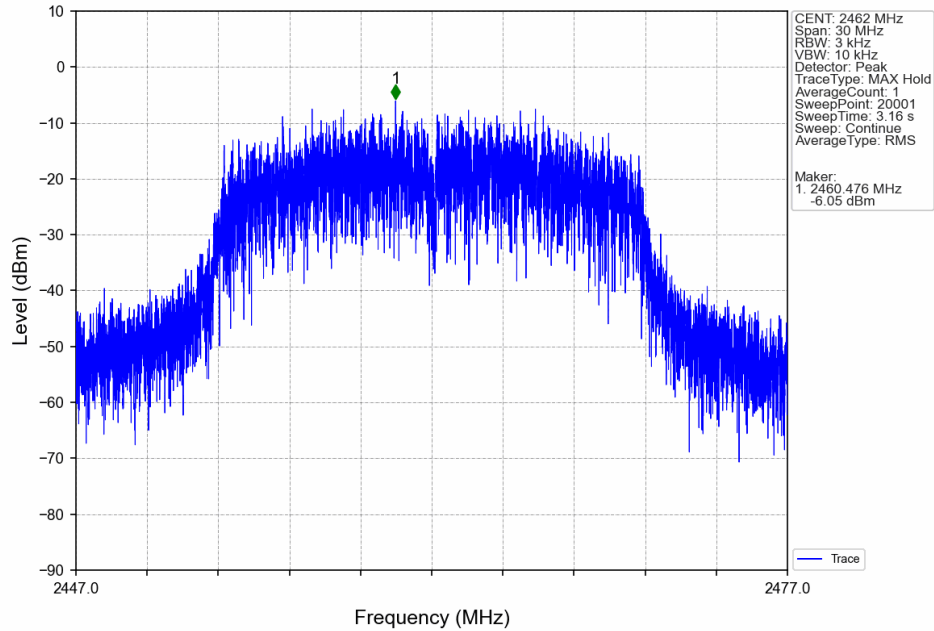
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



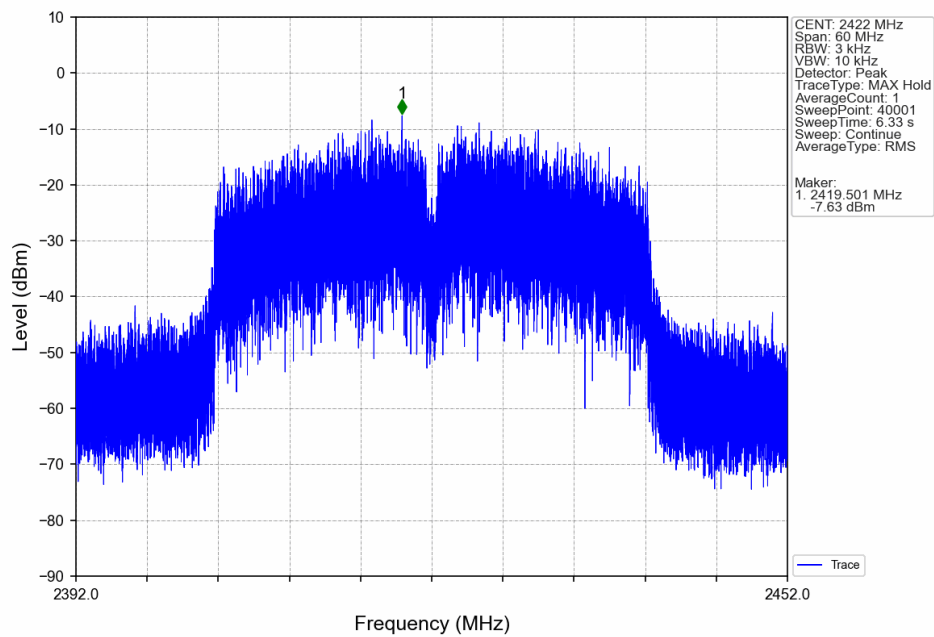
## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



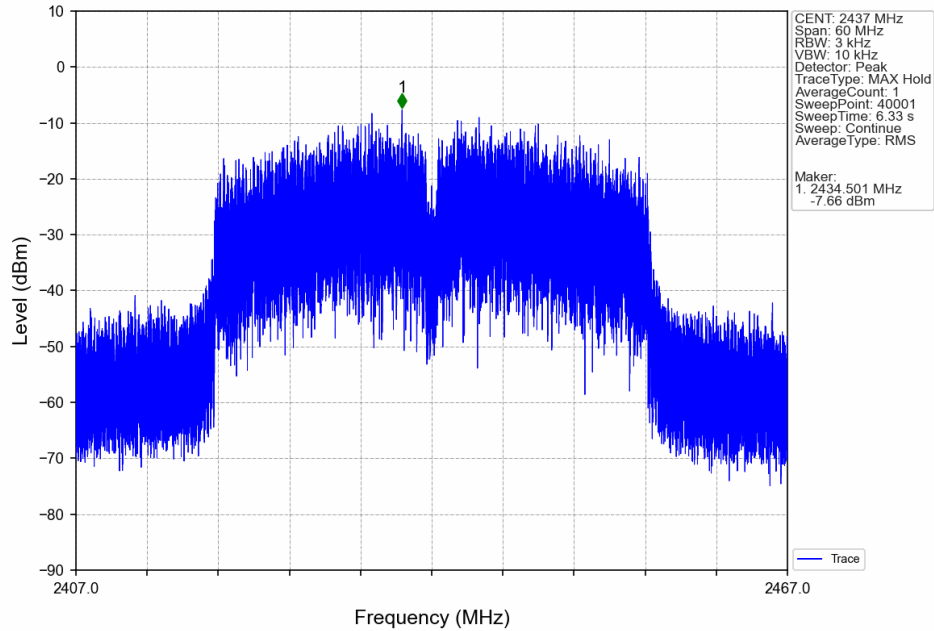
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTN



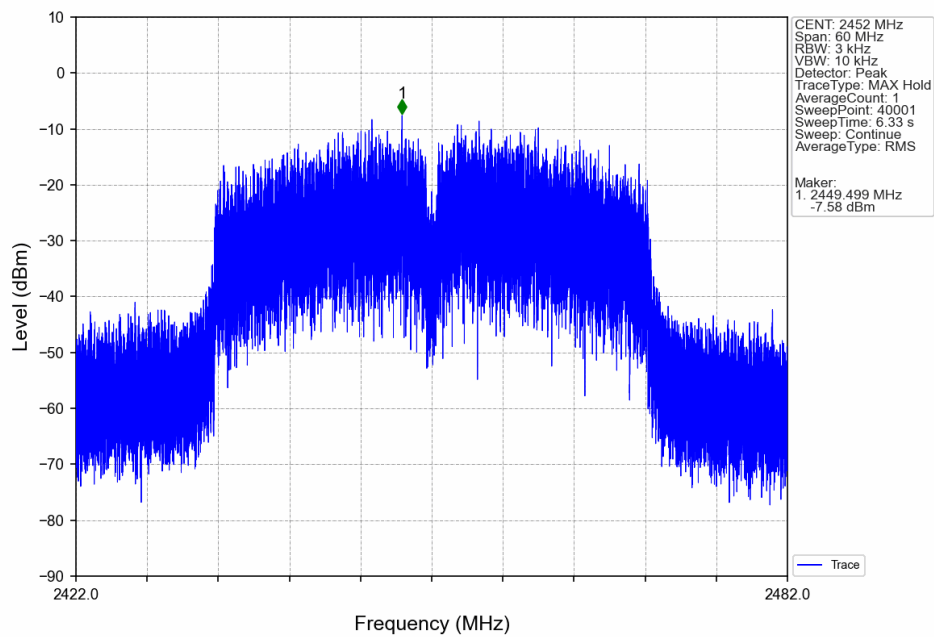
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTN



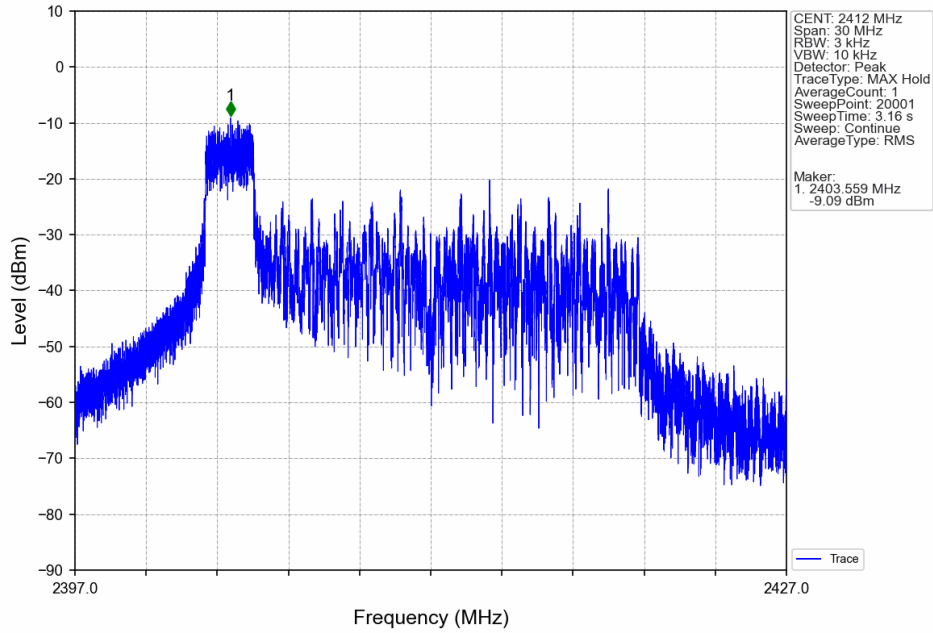
## 802.11n(HT40) MCH\_2437MHz\_Ant1 (SISO) NTN



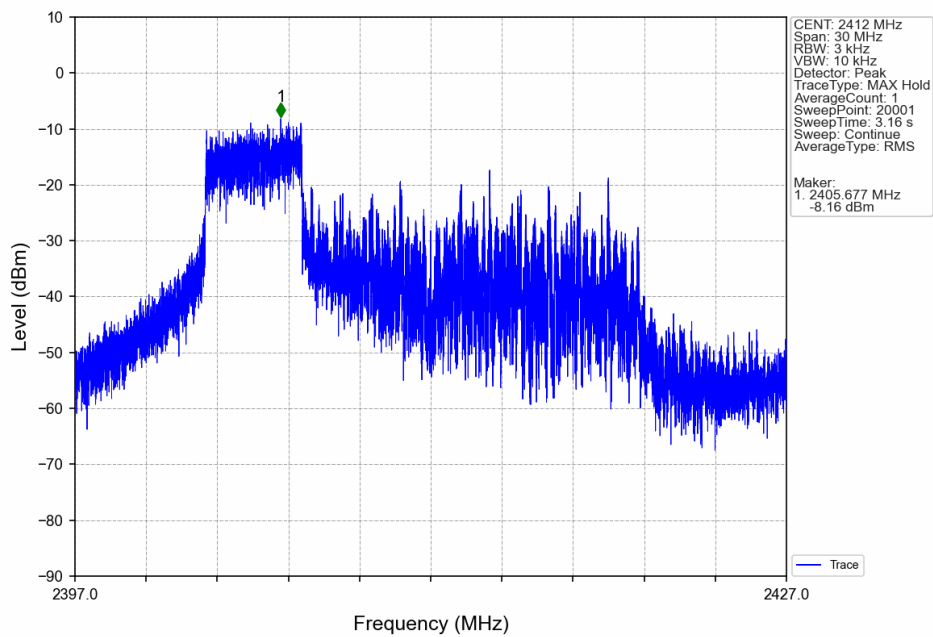
## 802.11n(HT40) HCH\_2452MHz\_Ant1 (SISO) NTN



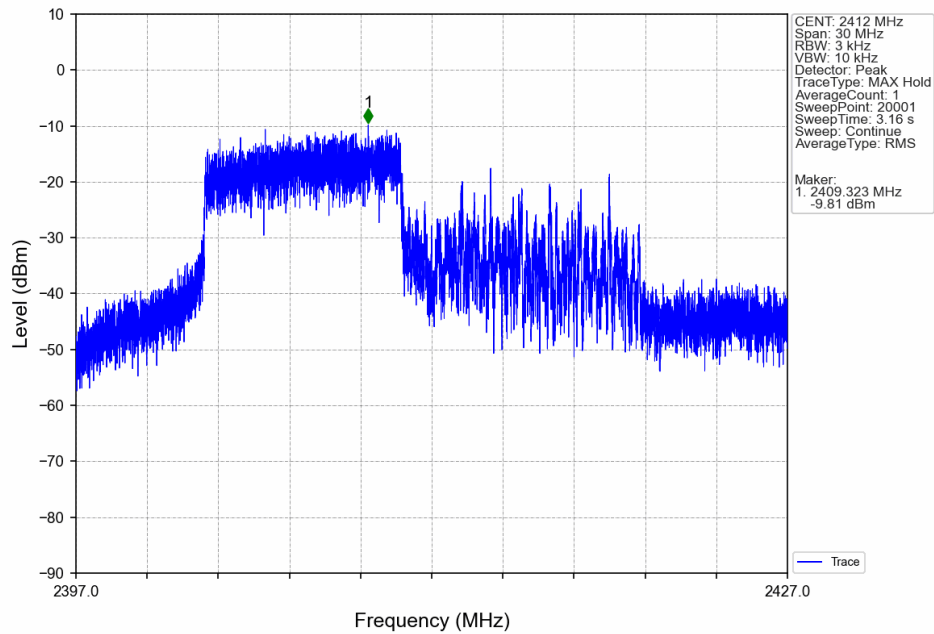
802.11ax(HEW20)\_LCH\_2412MHz\_RU26\_Left\_Ant1(SISO)\_NTNV



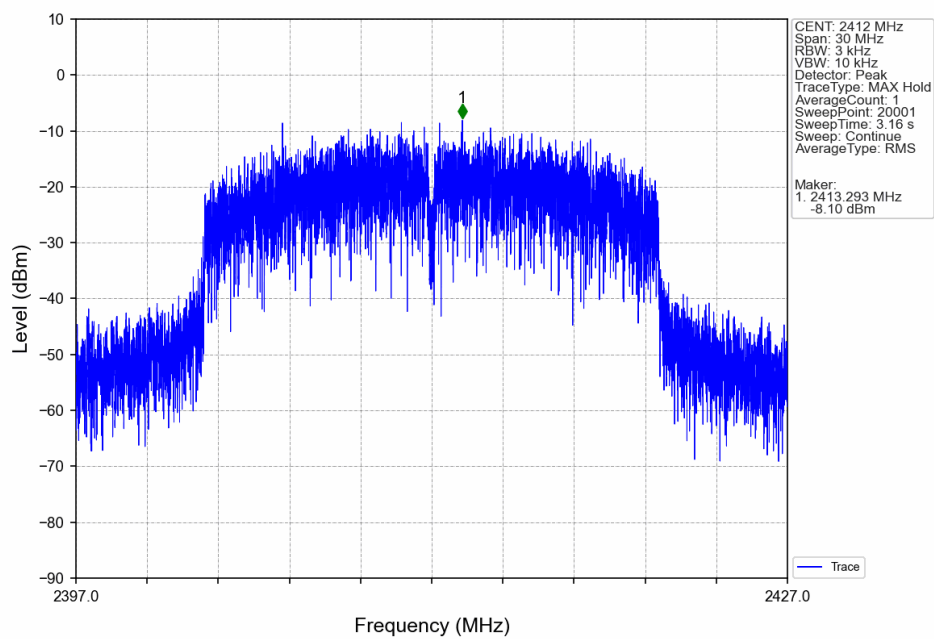
802.11ax(HEW20)\_LCH\_2412MHz\_RU52\_Left\_Ant1(SISO)\_NTNV



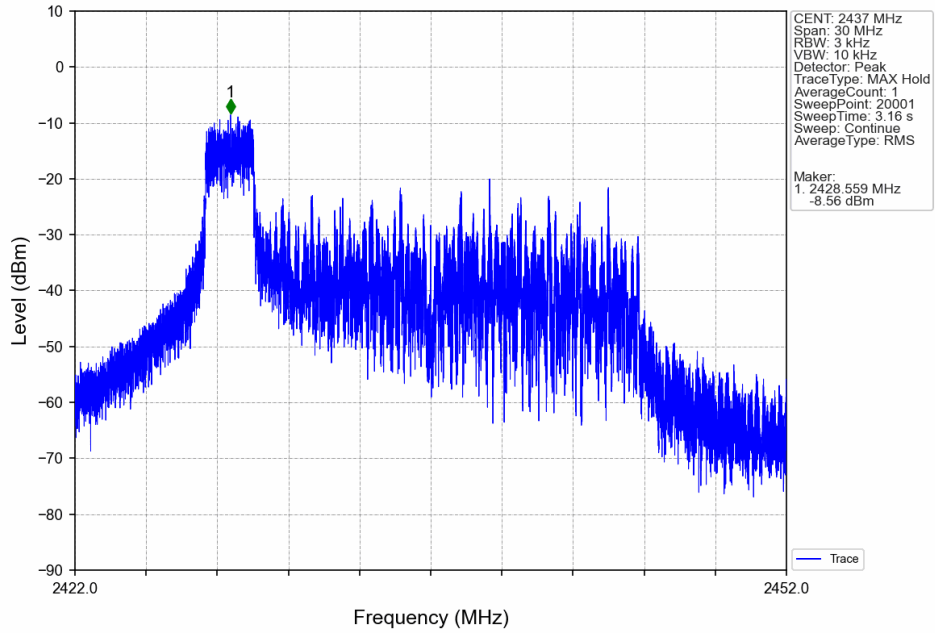
802.11ax(HEW20) LCH 2412MHz RU106 Left Ant1 (SISO) NTN



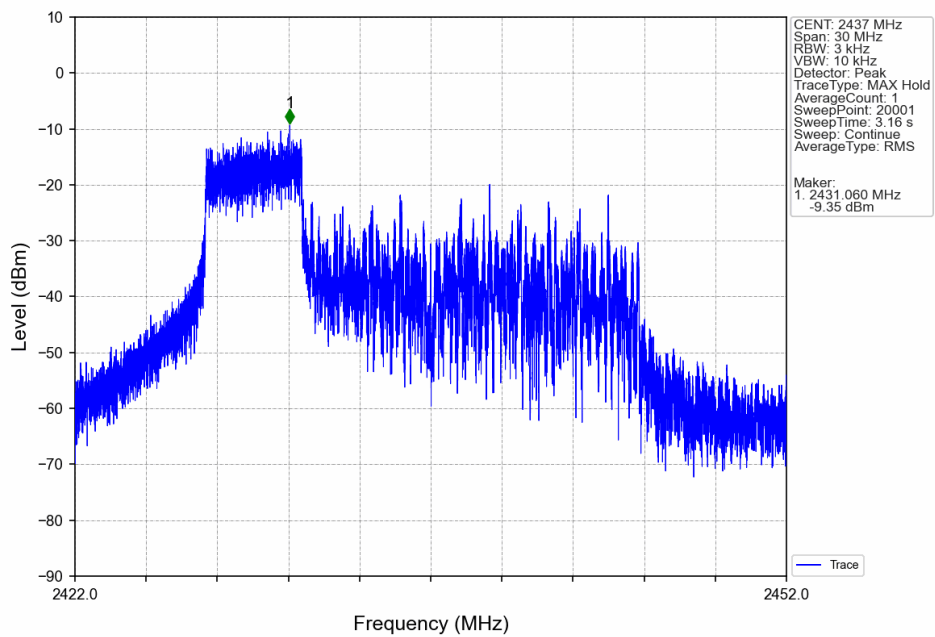
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



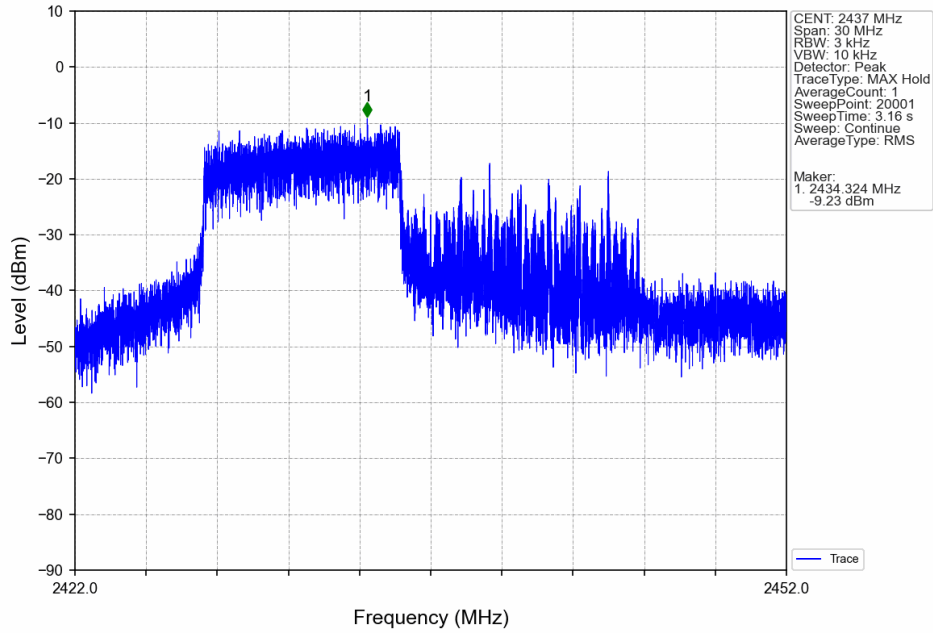
802.11ax(HEW20)\_MCH\_2437MHz\_RU26\_Left\_Ant1 (SISO) NTN



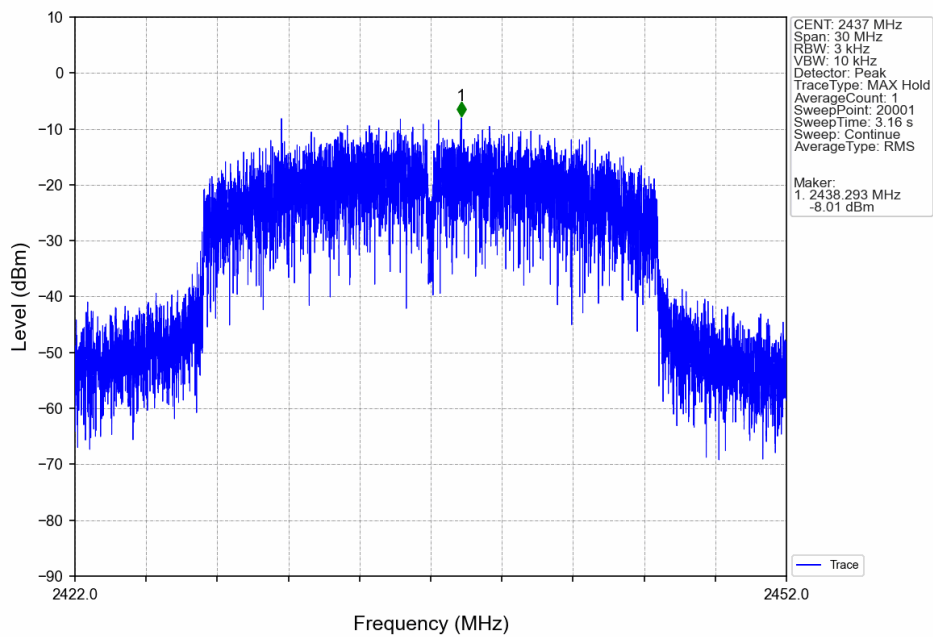
802.11ax(HEW20)\_MCH\_2437MHz\_RU52\_Left\_Ant1 (SISO) NTN



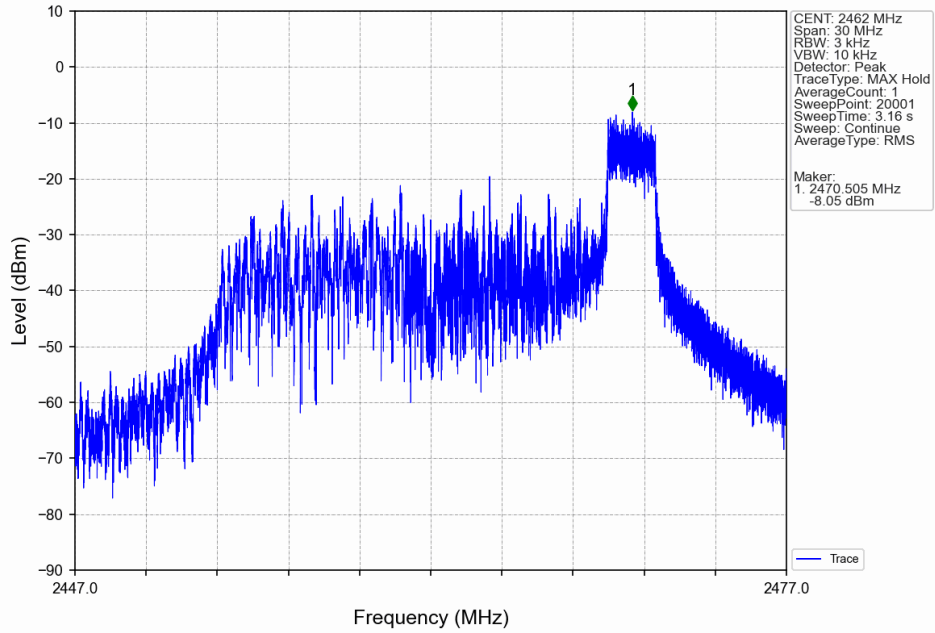
802.11ax(HEW20) MCH 2437MHz RU106 Left\_Ant1 (SISO) NTN



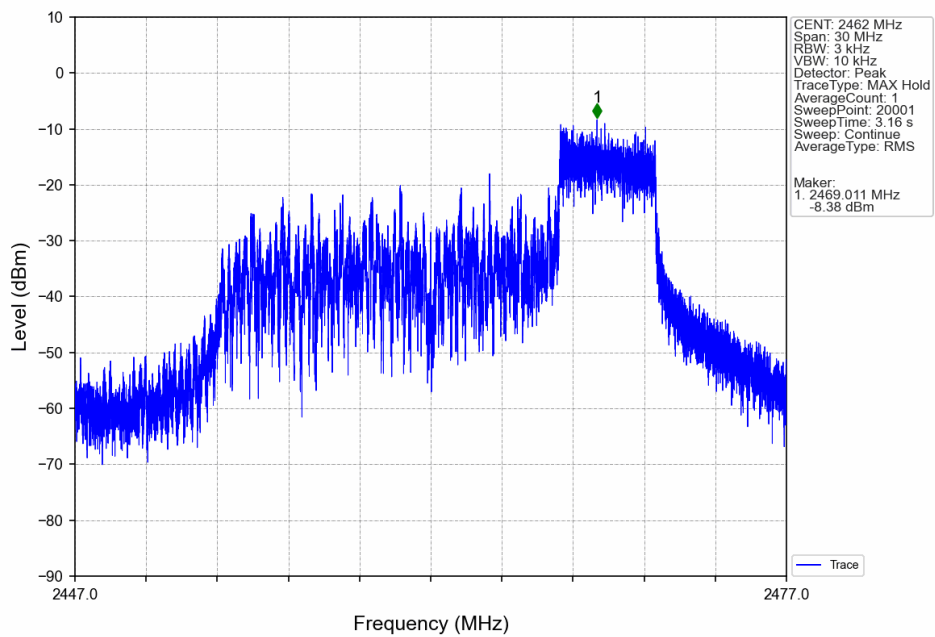
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



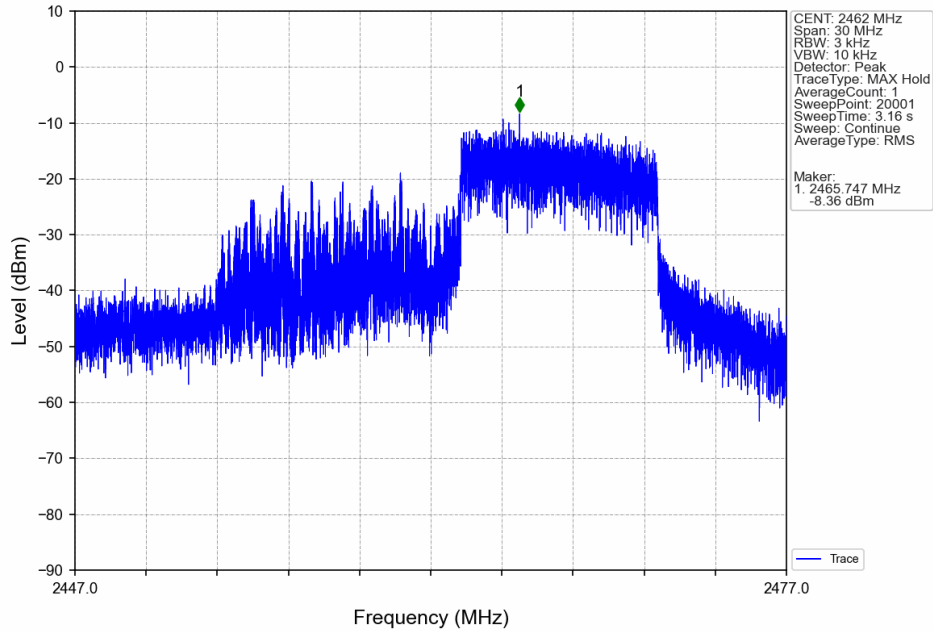
## 802.11ax(HEW20) HCH 2462MHz RU26 Right\_Ant1 (SISO) NTN



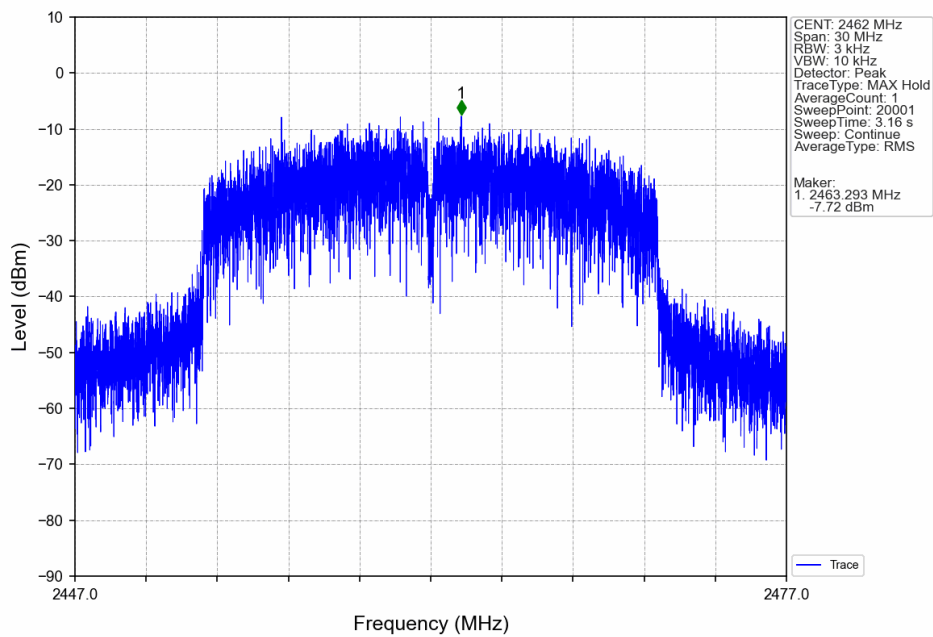
## 802.11ax(HEW20) HCH 2462MHz RU52 Right\_Ant1 (SISO) NTN



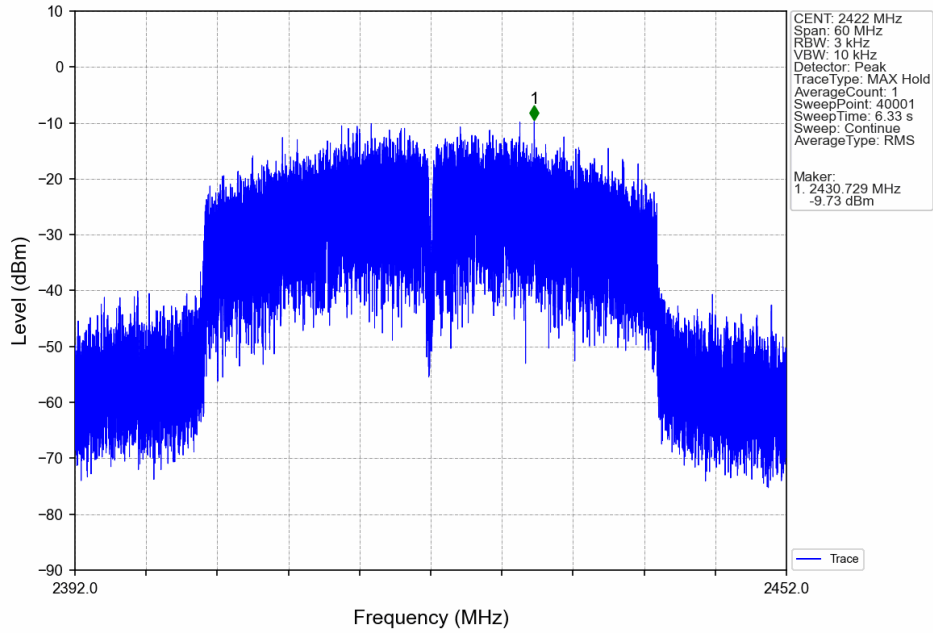
## 802.11ax(HEW20) HCH 2462MHz RU106 Right Ant1 (SISO) NTNV



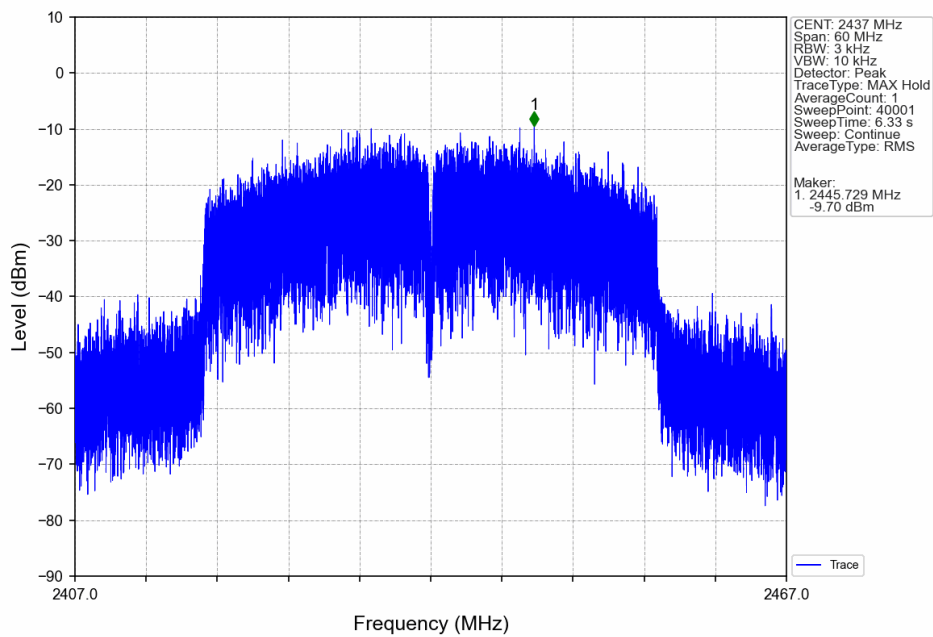
## 802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTNV



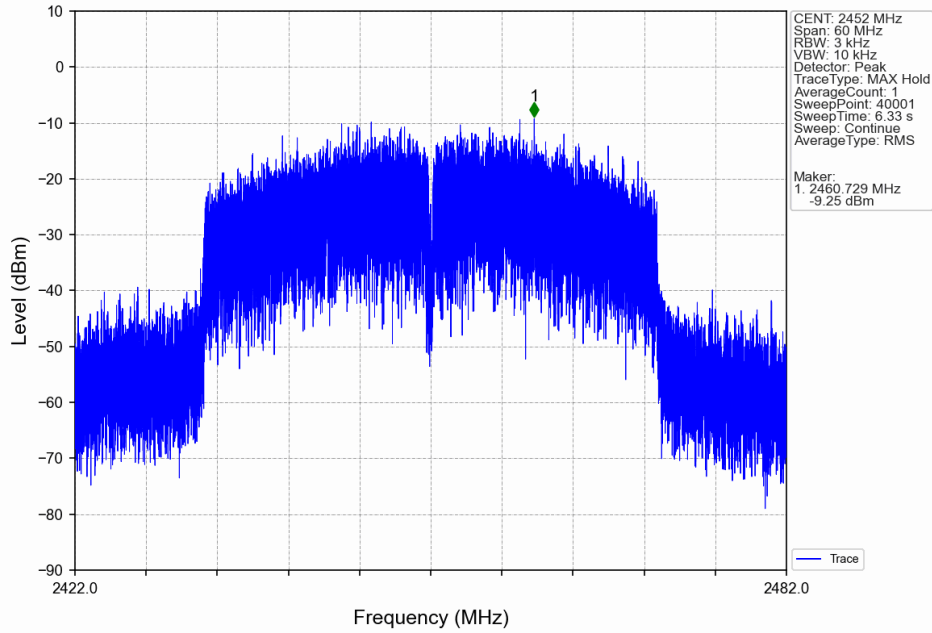
## 802.11ax(HEW40) LCH 2422MHz\_SU / \_Ant1 (SISO) \_NTNV



## 802.11ax(HEW40) MCH 2437MHz\_SU / \_Ant1 (SISO) \_NTNV



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTNV



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

### 5.1 Test Result

#### 5.1.1 Ref

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | Level of Reference (dBm) |
|------------------|---------|-----------------|----|--------|-----|--------------------------|
| 802.11b          | SISO    | 2412            | /  | /      | 1   | 10.30                    |
|                  |         | 2437            | /  | /      | 1   | 10.62                    |
|                  |         | 2462            | /  | /      | 1   | 11.19                    |
| 802.11g          | SISO    | 2412            | /  | /      | 1   | 7.45                     |
|                  |         | 2437            | /  | /      | 1   | 7.45                     |
|                  |         | 2462            | /  | /      | 1   | 7.73                     |
| 802.11n (HT20)   | SISO    | 2412            | /  | /      | 1   | 7.06                     |
|                  |         | 2437            | /  | /      | 1   | 7.18                     |
|                  |         | 2462            | /  | /      | 1   | 7.57                     |
| 802.11n (HT40)   | SISO    | 2422            | /  | /      | 1   | 3.41                     |
|                  |         | 2437            | /  | /      | 1   | 3.41                     |
|                  |         | 2452            | /  | /      | 1   | 3.71                     |
| 802.11ax (HEW20) | SISO    | 2412            | SU | /      | 1   | 7.00                     |
|                  |         | 2437            | SU | /      | 1   | 7.05                     |
|                  |         | 2462            | SU | /      | 1   | 7.44                     |
| 802.11ax (HEW40) | SISO    | 2422            | SU | /      | 1   | 3.56                     |
|                  |         | 2437            | SU | /      | 1   | 3.60                     |
|                  |         | 2452            | SU | /      | 1   | 3.97                     |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

#### 5.1.2 CSE

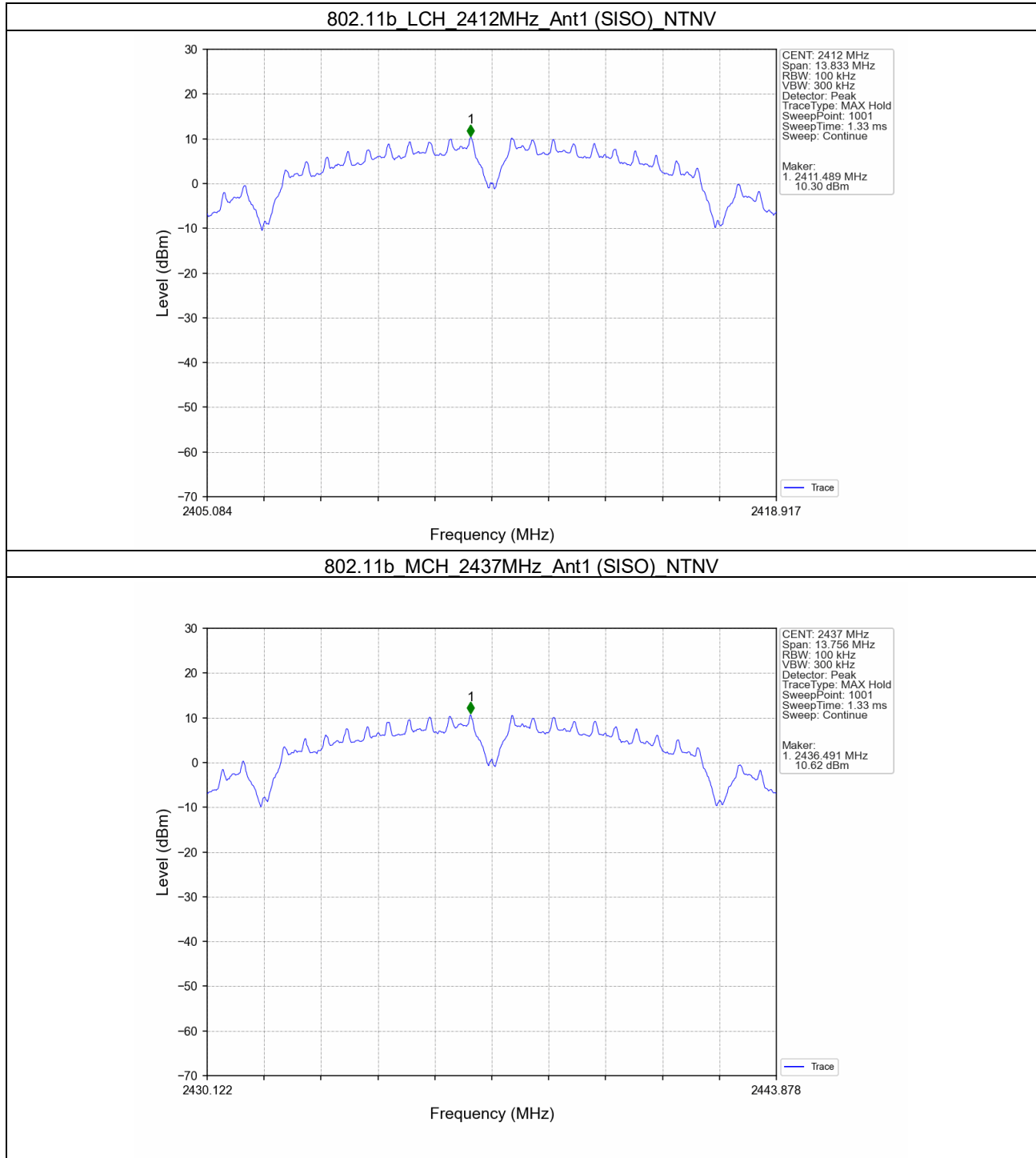
| Mode           | TX Type | Frequency (MHz) | RU | RU Pos | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|----|--------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | /  | /      | 1   | 11.19                    | -8.81       | Pass    |
|                |         | 2437            | /  | /      | 1   | 11.19                    | -8.81       | Pass    |
|                |         | 2462            | /  | /      | 1   | 11.19                    | -8.81       | Pass    |
| 802.11g        | SISO    | 2412            | /  | /      | 1   | 7.73                     | -12.27      | Pass    |
|                |         | 2437            | /  | /      | 1   | 7.73                     | -12.27      | Pass    |
|                |         | 2462            | /  | /      | 1   | 7.73                     | -12.27      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | /  | /      | 1   | 7.57                     | -12.43      | Pass    |
|                |         | 2437            | /  | /      | 1   | 7.57                     | -12.43      | Pass    |
|                |         | 2462            | /  | /      | 1   | 7.57                     | -12.43      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | /  | /      | 1   | 3.71                     | -16.29      | Pass    |
|                |         | 2437            | /  | /      | 1   | 3.71                     | -16.29      | Pass    |
|                |         | 2452            | /  | /      | 1   | 3.71                     | -16.29      | Pass    |
| 802.11ax       | SISO    | 2412            | SU | /      | 1   | 7.44                     | -12.56      | Pass    |



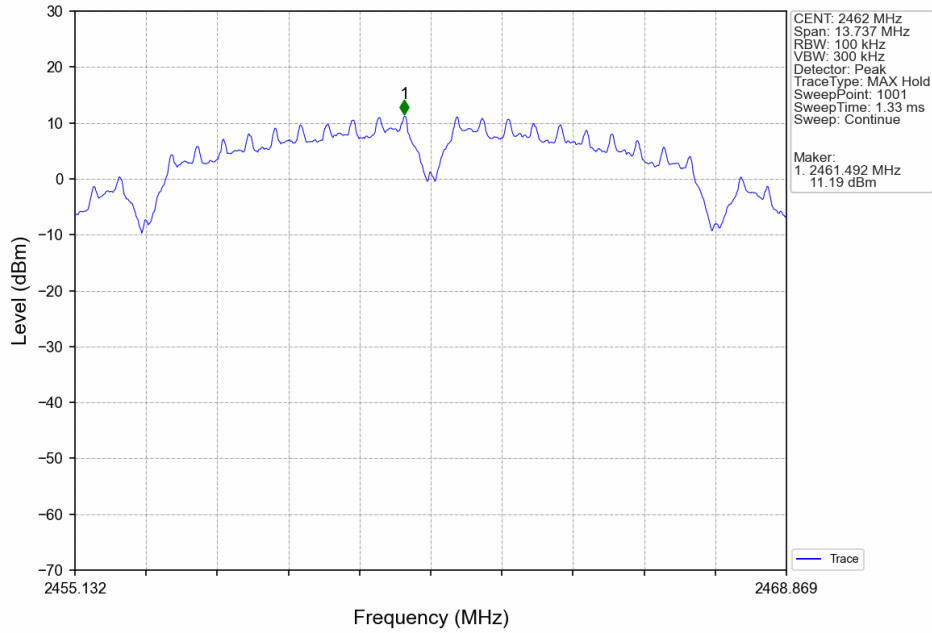
|                                                                                                                                                 |      |      |    |   |   |      |        |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----|---|---|------|--------|------|
| (HEW20)                                                                                                                                         |      | 2437 | SU | / | 1 | 7.44 | -12.56 | Pass |
|                                                                                                                                                 |      | 2462 | SU | / | 1 | 7.44 | -12.56 | Pass |
| 802.11ax<br>(HEW40)                                                                                                                             | SISO | 2422 | SU | / | 1 | 3.97 | -16.03 | Pass |
|                                                                                                                                                 |      | 2437 | SU | / | 1 | 3.97 | -16.03 | Pass |
|                                                                                                                                                 |      | 2452 | SU | / | 1 | 3.97 | -16.03 | Pass |
| Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level. |      |      |    |   |   |      |        |      |

## 5.2 Test Graph

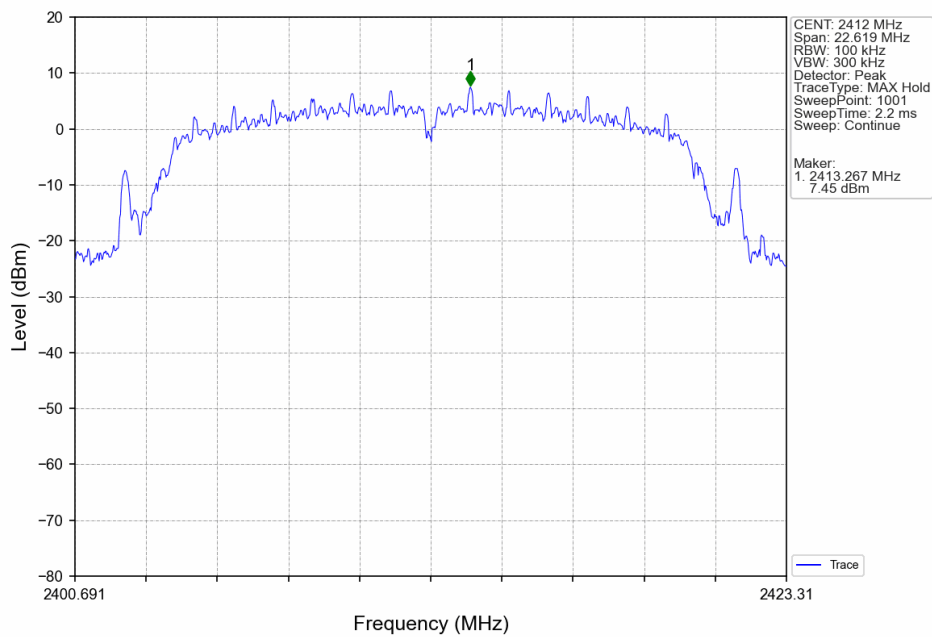
### 5.2.1 Ref



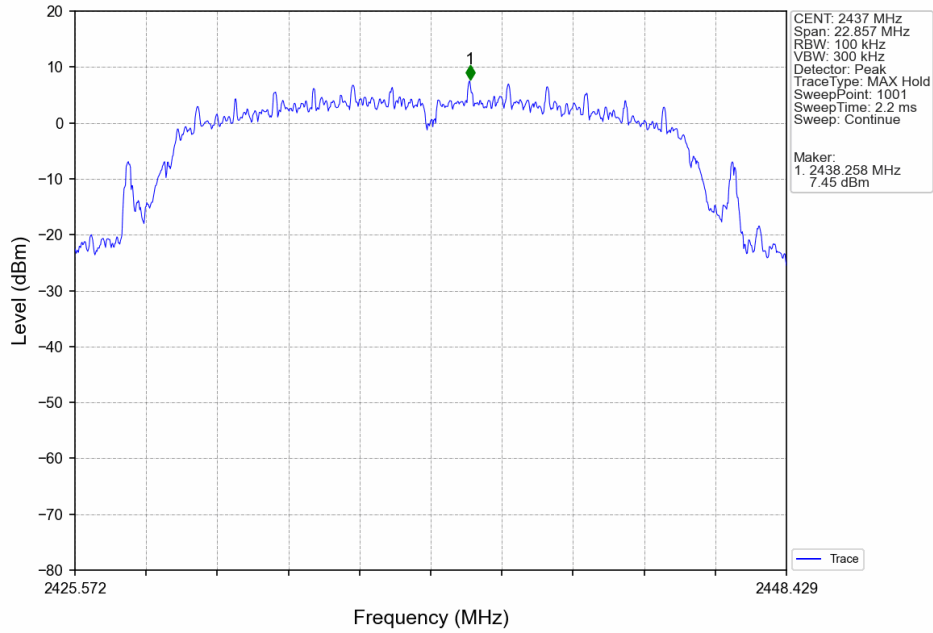
802.11b HCH 2462MHz\_Ant1 (SISO)\_NTNV



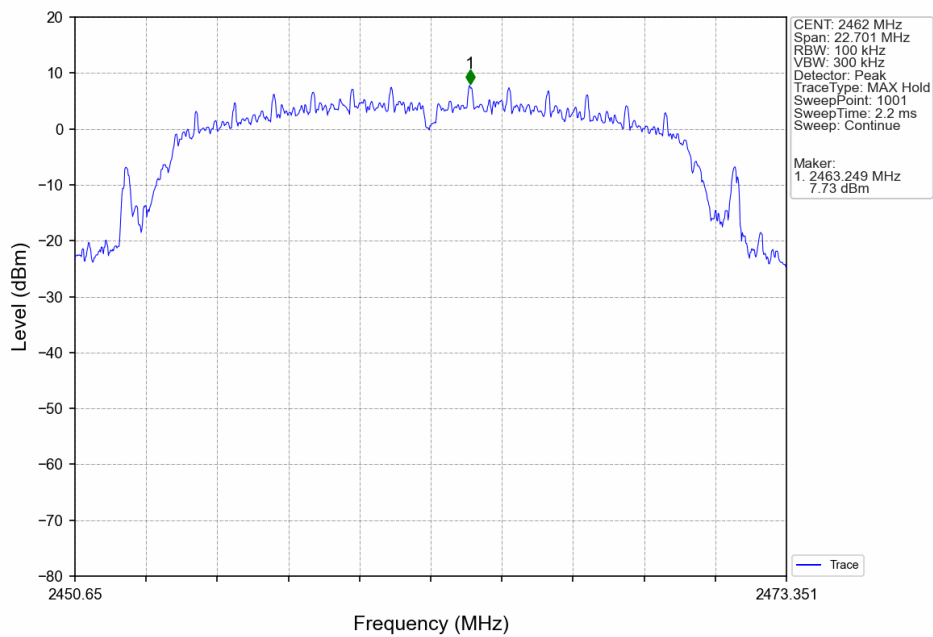
802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



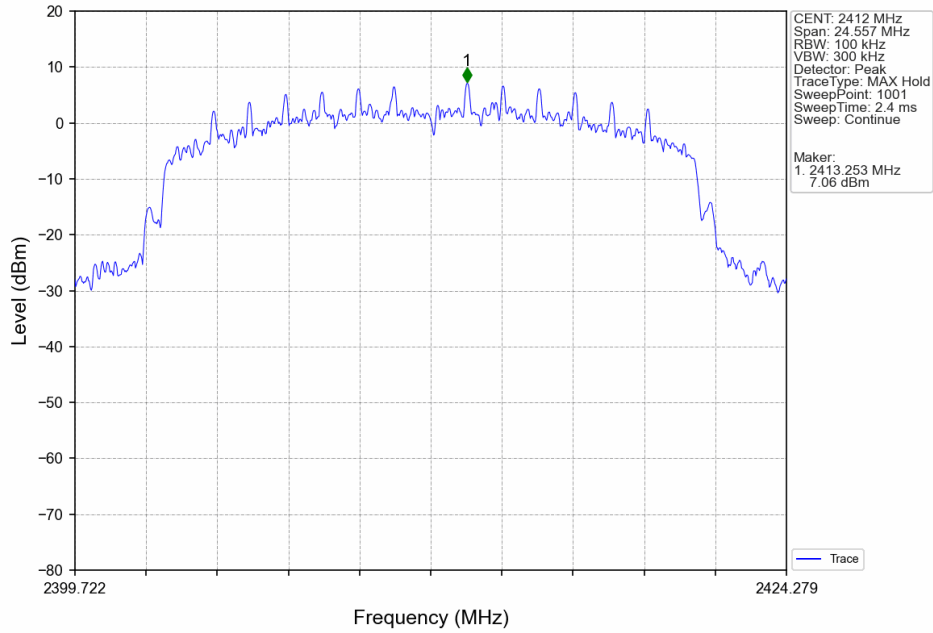
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



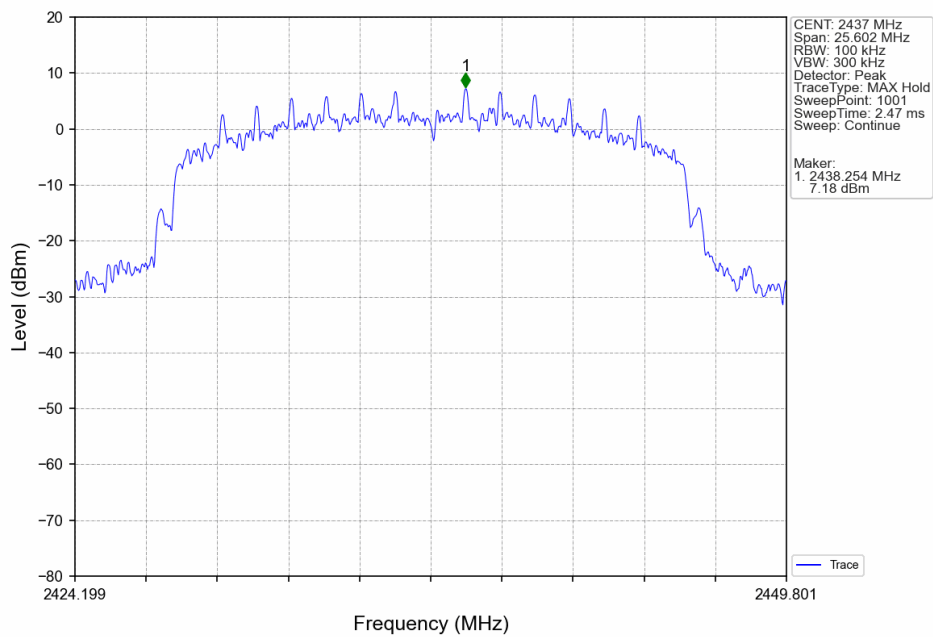
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



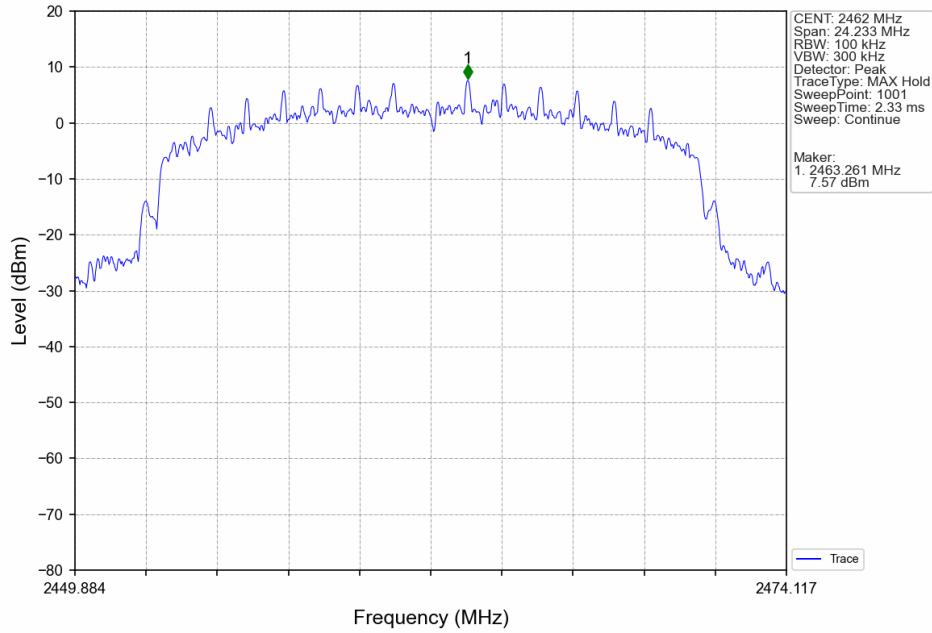
802.11n(HT20) LCH\_2412MHz\_Ant1 (SISO) NTN



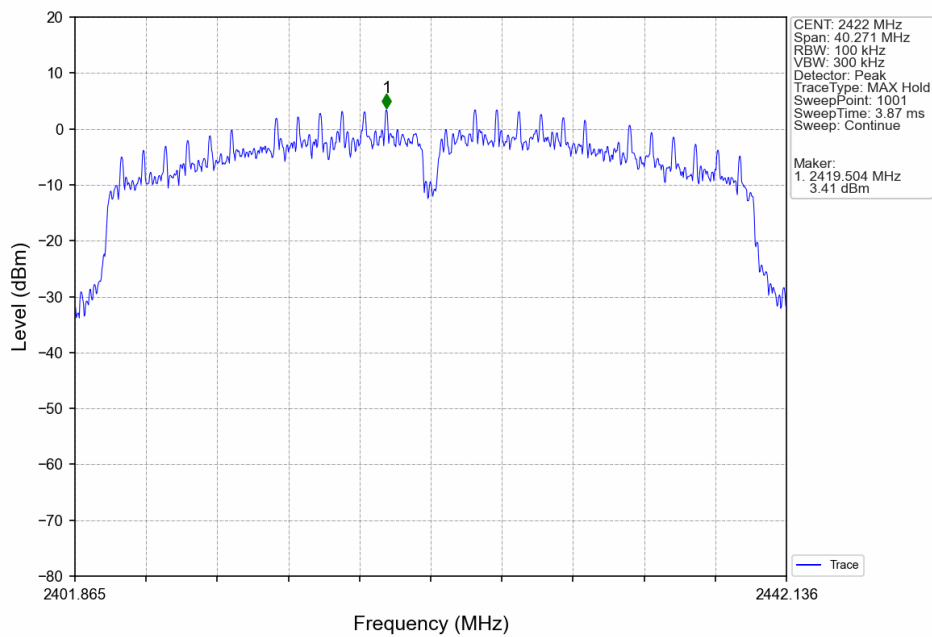
802.11n(HT20) MCH\_2437MHz\_Ant1 (SISO) NTN



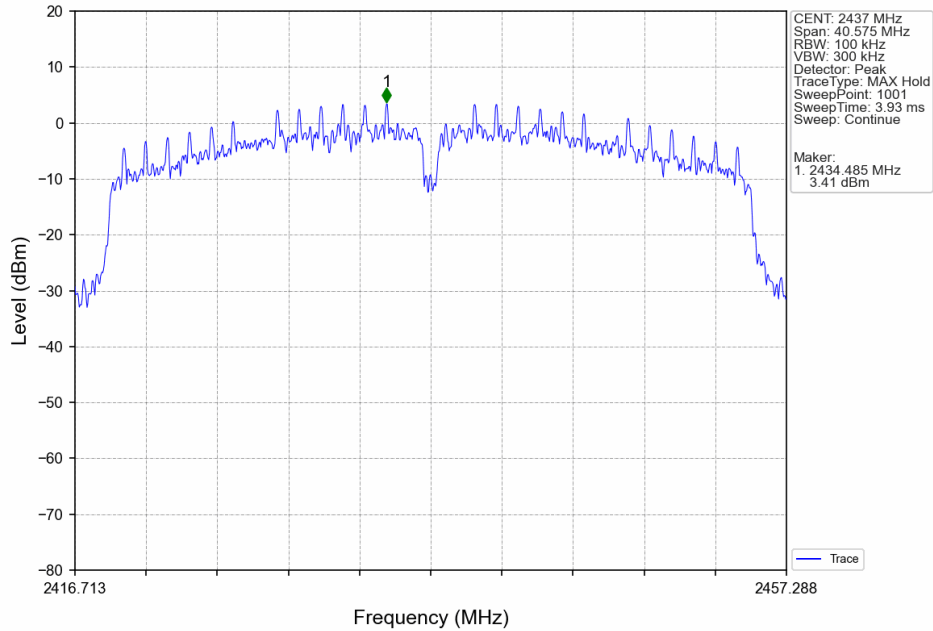
802.11n(HT20) HCH\_2462MHz\_Ant1 (SISO) NTN



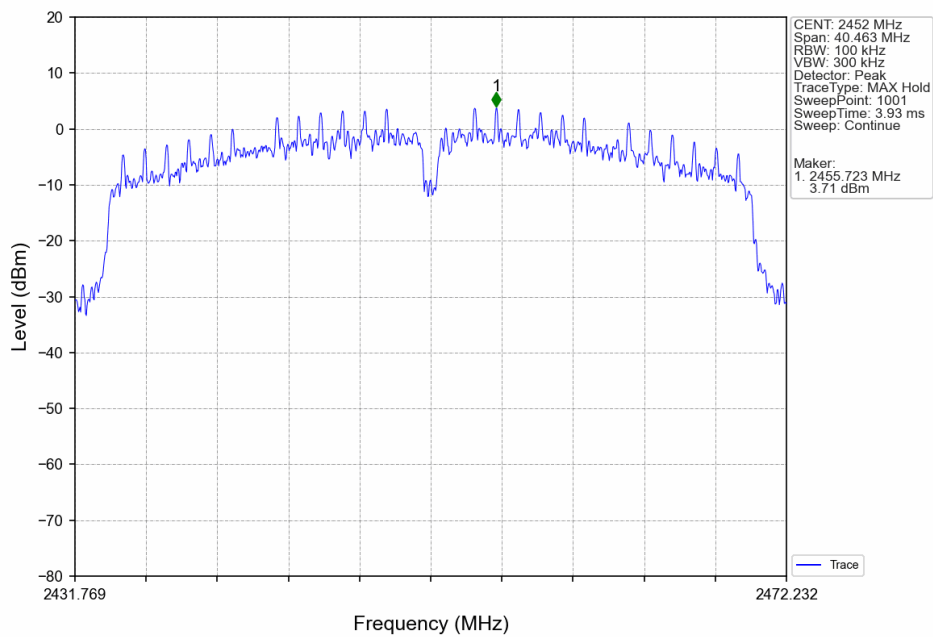
802.11n(HT40) LCH\_2422MHz\_Ant1 (SISO) NTN



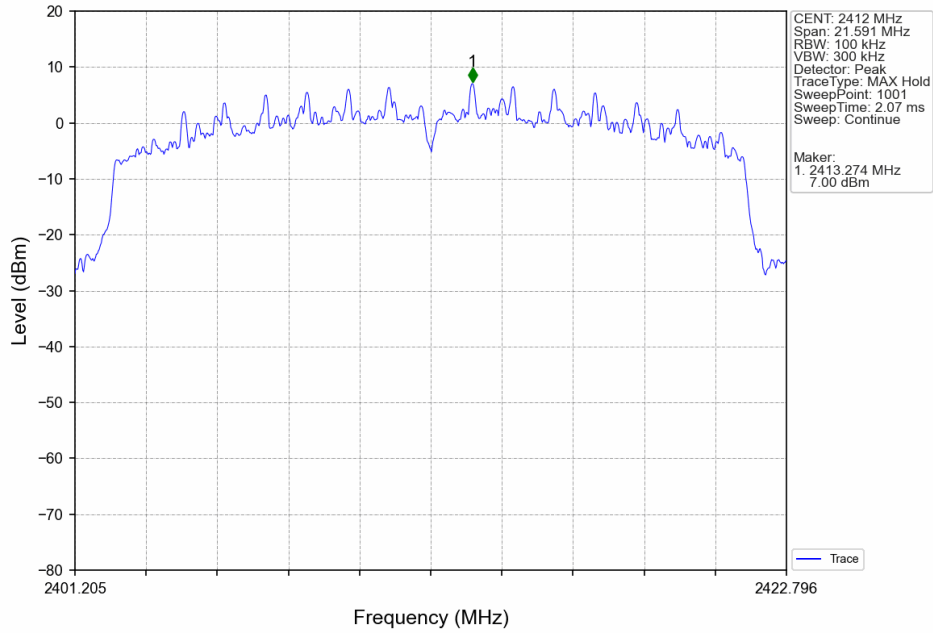
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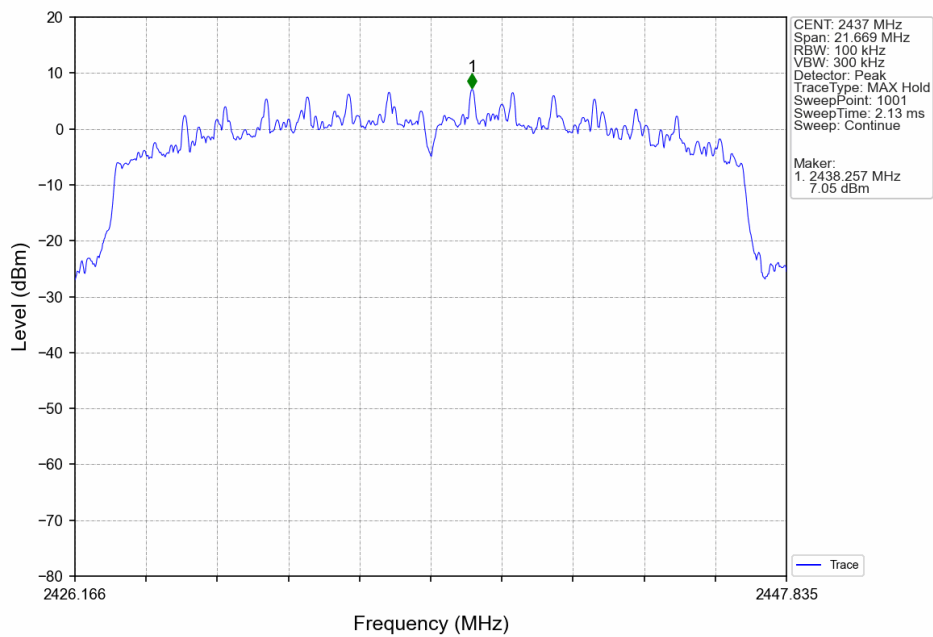
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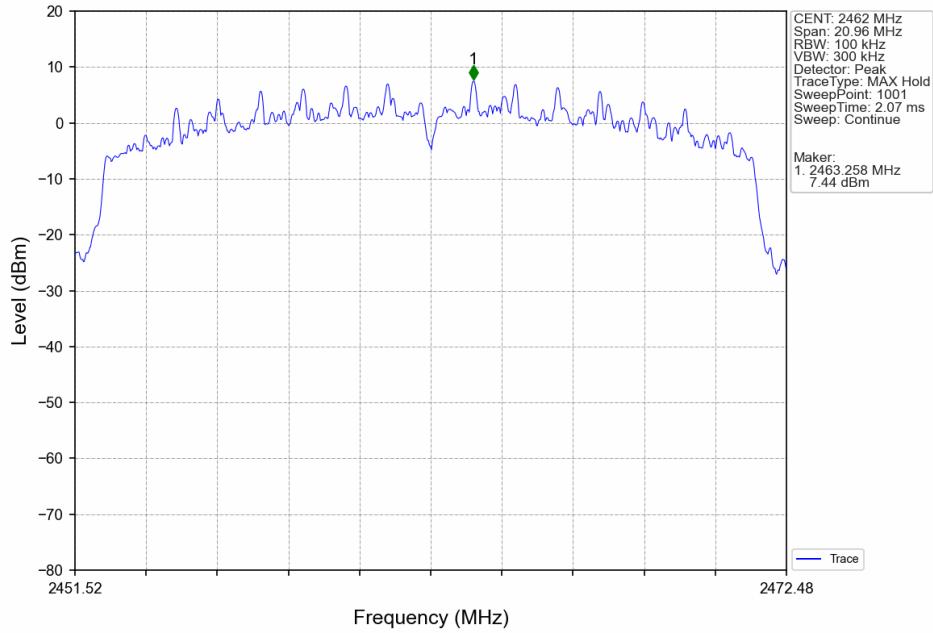
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



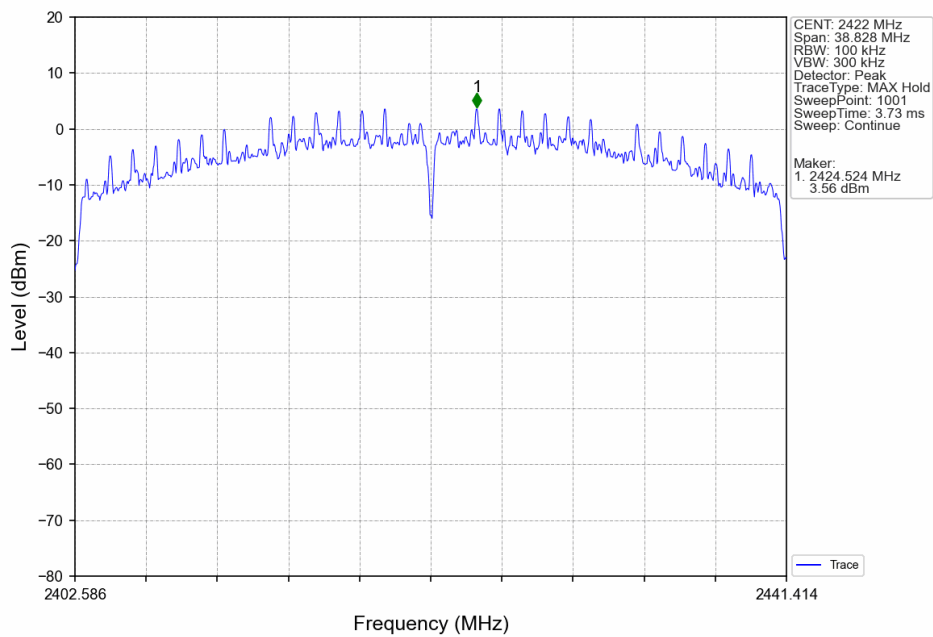
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



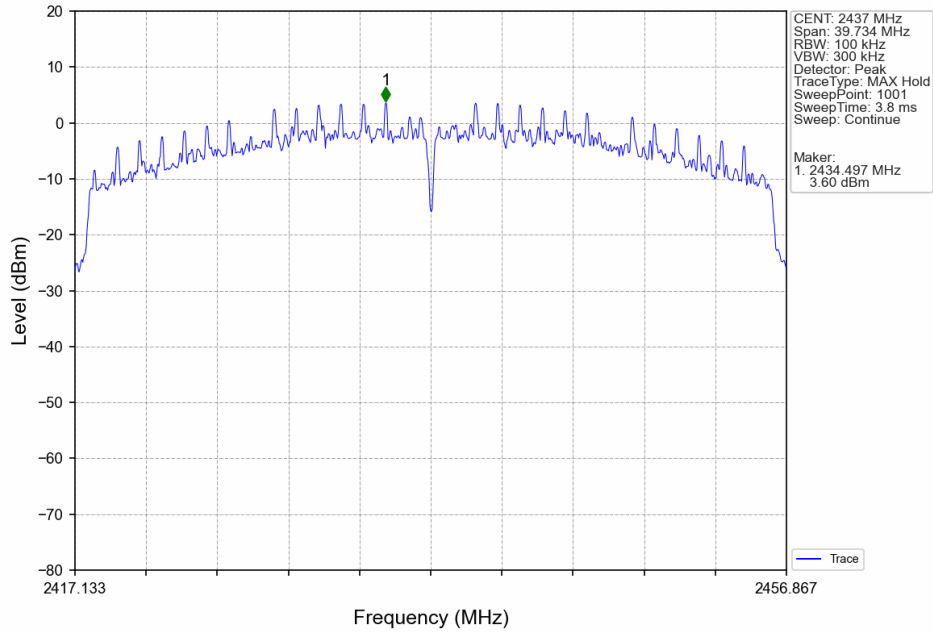
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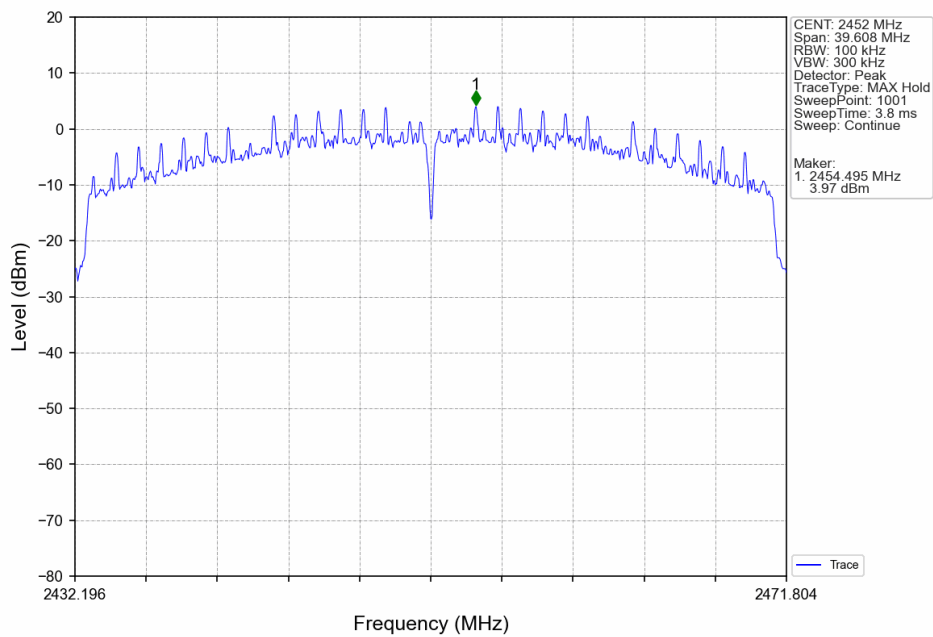
802.11ax(HEW40) LCH 2422MHz SU / \_Ant1 (SISO) \_NTNV



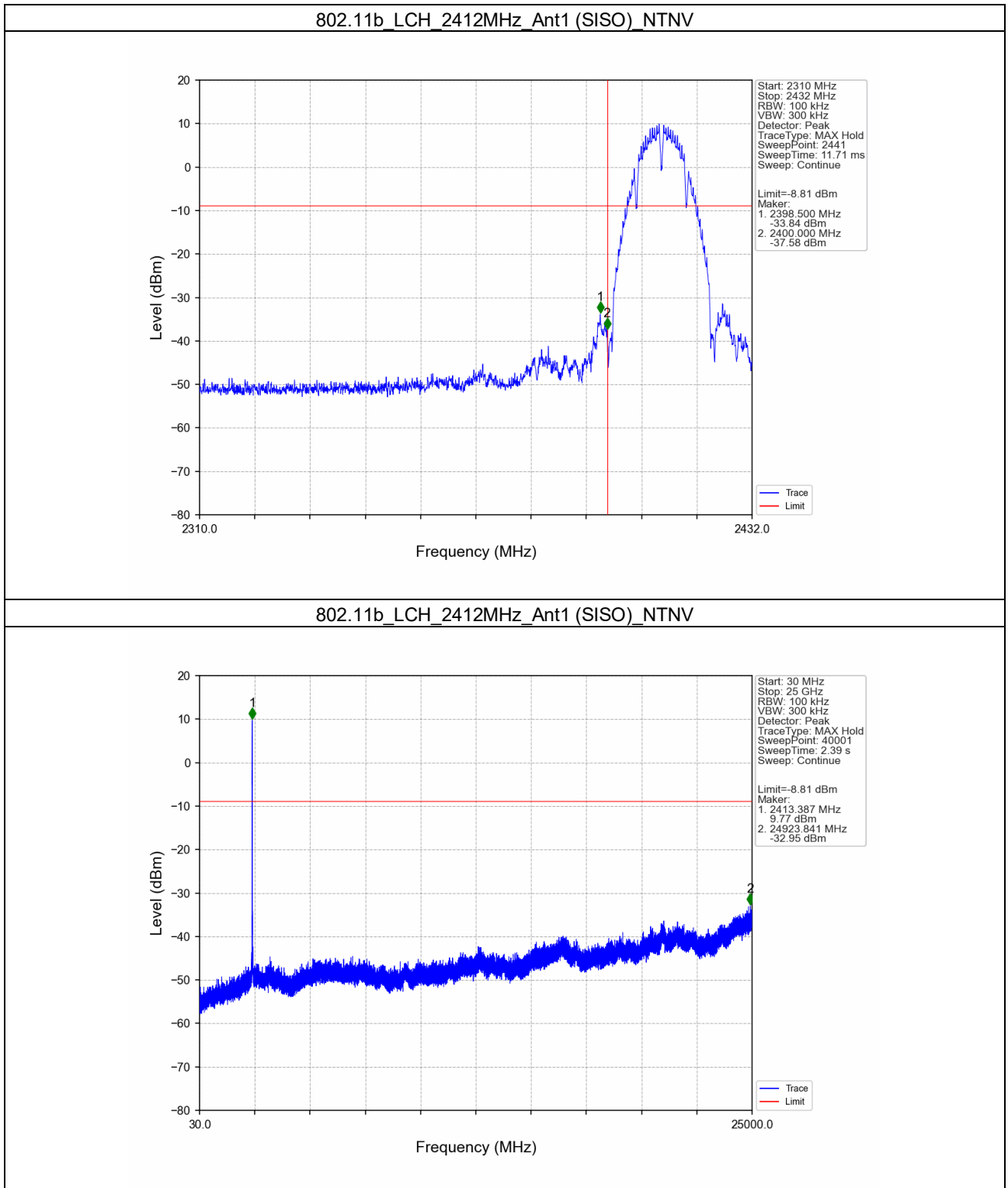
802.11ax(HEW40) MCH 2437MHz SU / \_Ant1 (SISO) NTN



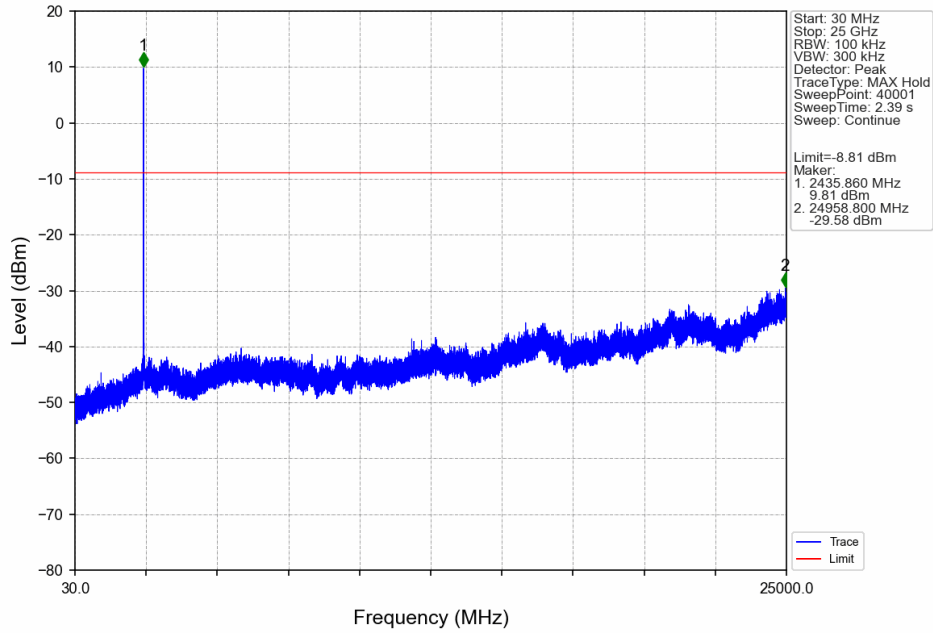
802.11ax(HEW40) HCH 2452MHz SU / \_Ant1 (SISO) NTN



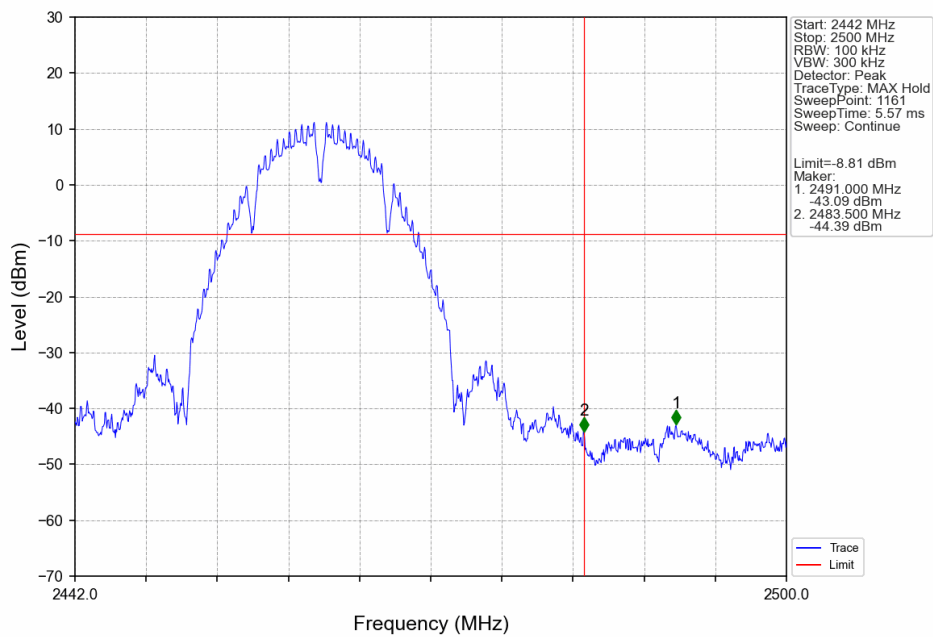
## 5.2.2 CSE



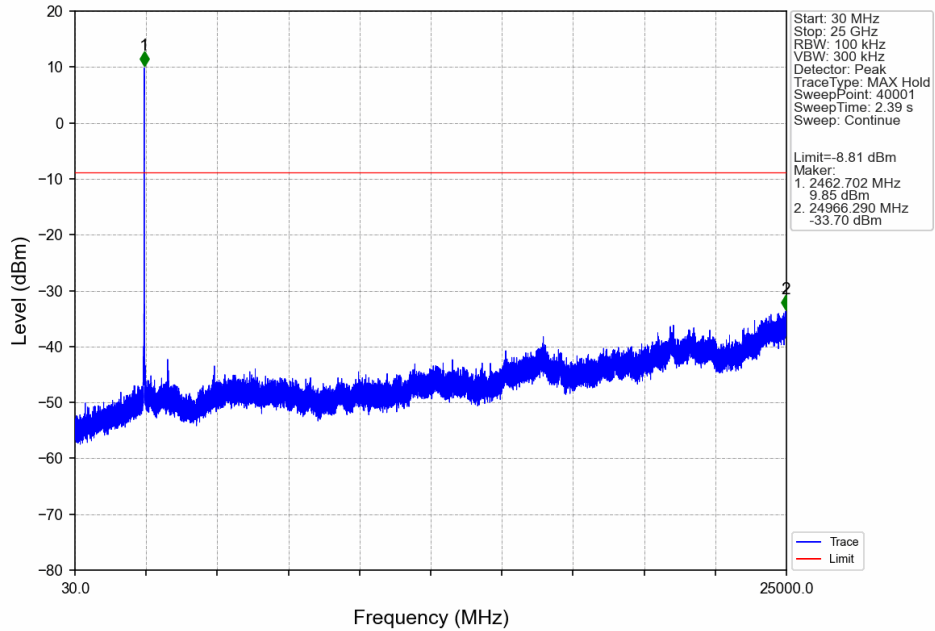
## 802.11b MCH 2437MHz\_Ant1 (SISO)\_NTNV



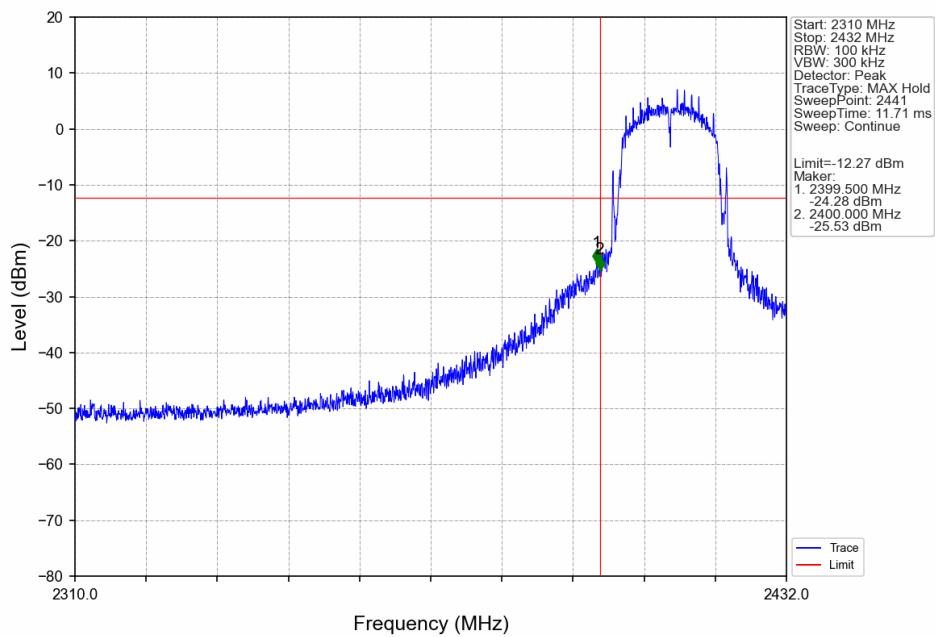
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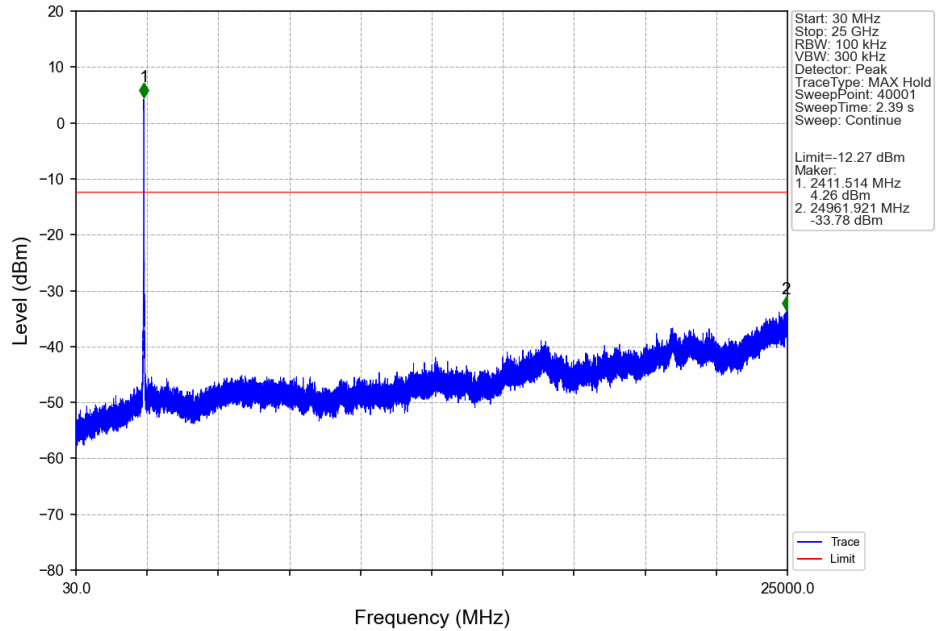
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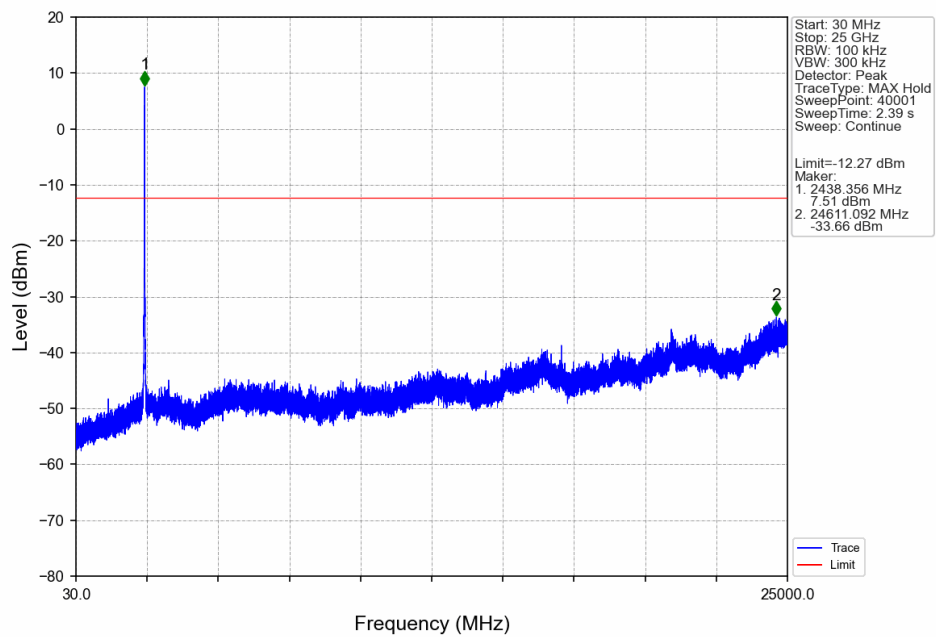
## 802.11g LCH 2412MHz\_Ant1 (SISO)\_NTNV



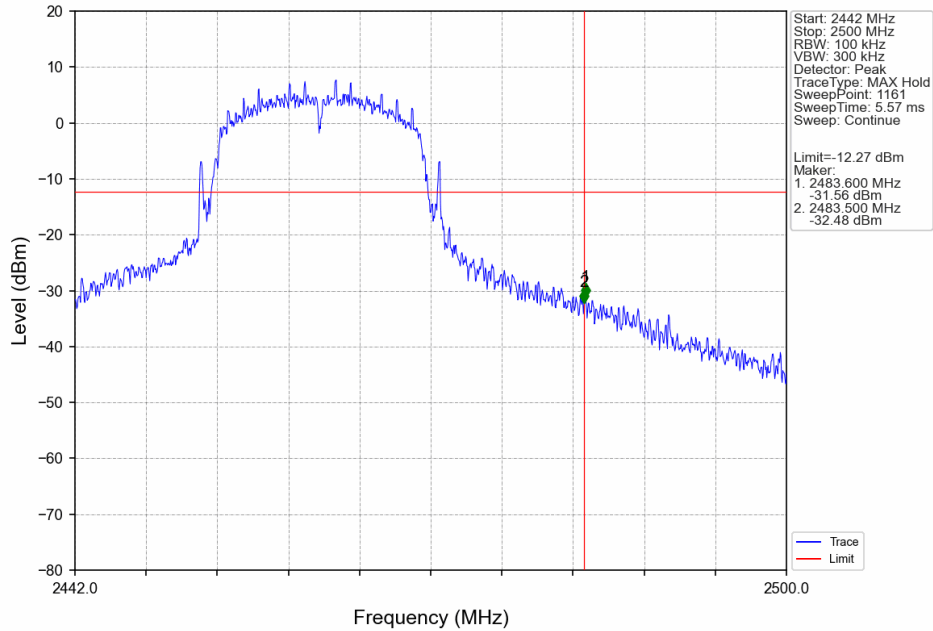
## 802.11g LCH 2412MHz\_Ant1 (SISO) NTN



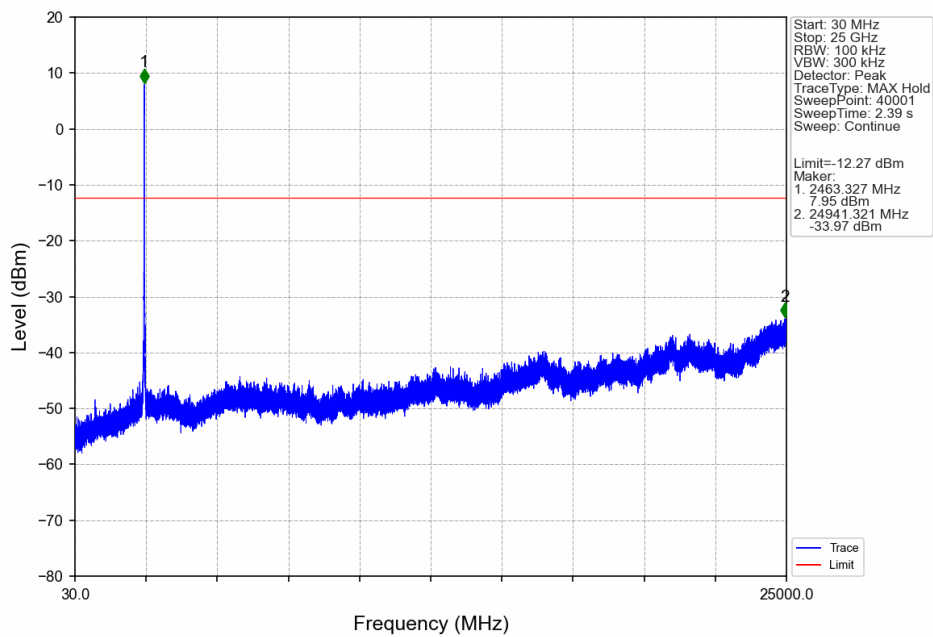
## 802.11g MCH 2437MHz\_Ant1 (SISO) NTN



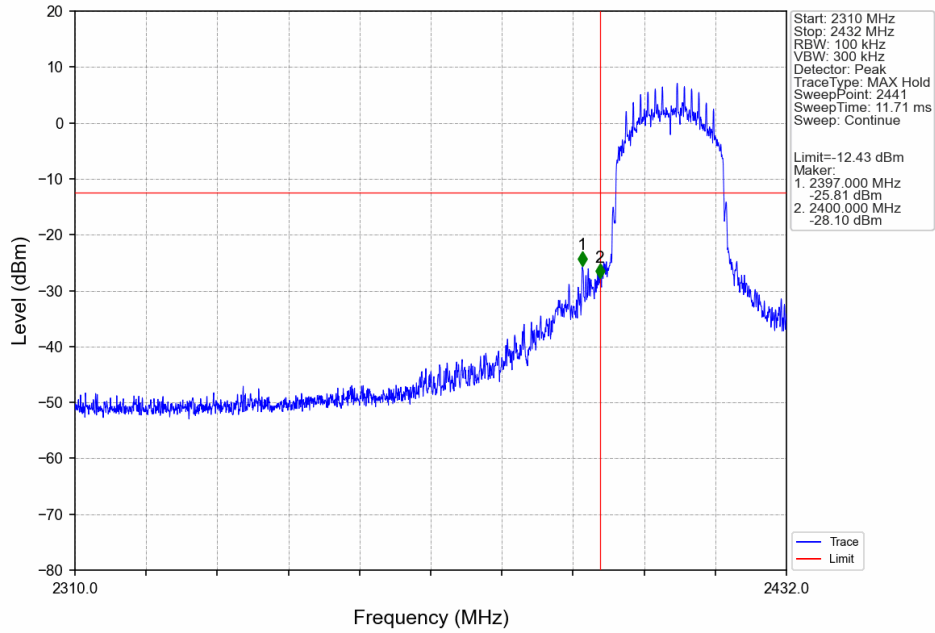
## 802.11g HCH 2462MHz\_Ant1 (SISO)\_NTNV



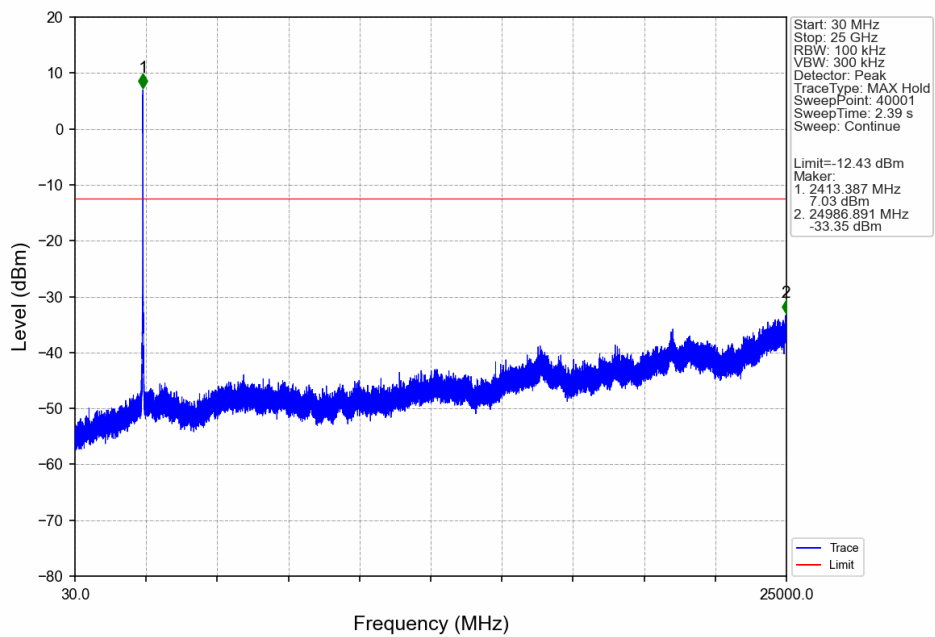
## 802.11g HCH 2462MHz\_Ant1 (SISO)\_NTNV



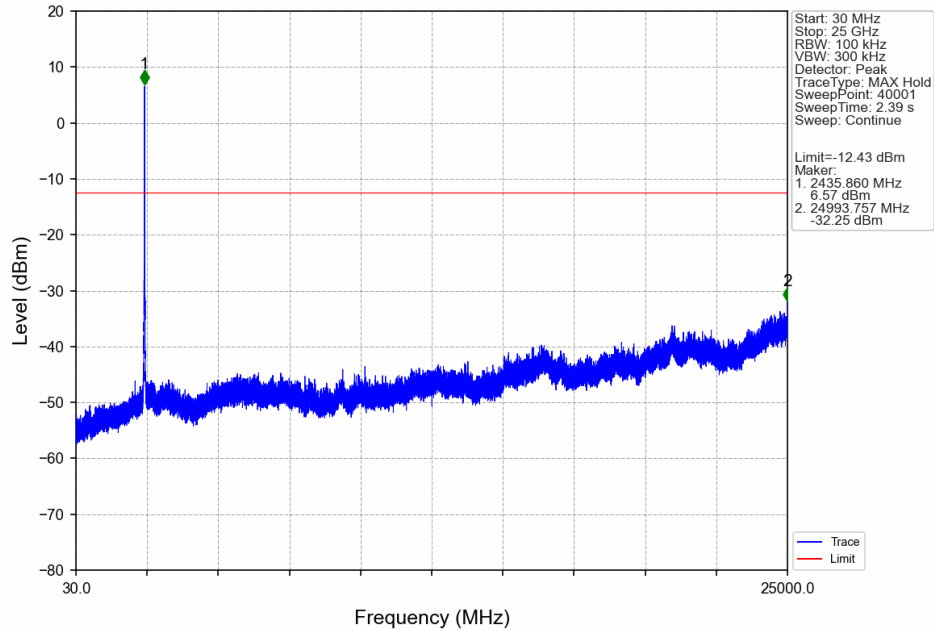
## 802.11n(HT20) LCH\_2412MHz\_Ant1 (SISO) NTN



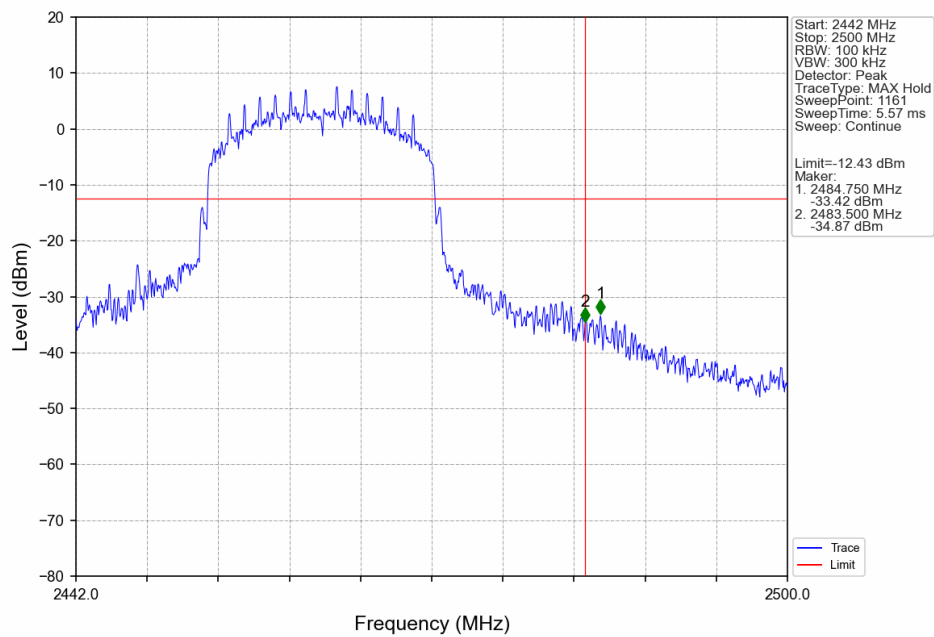
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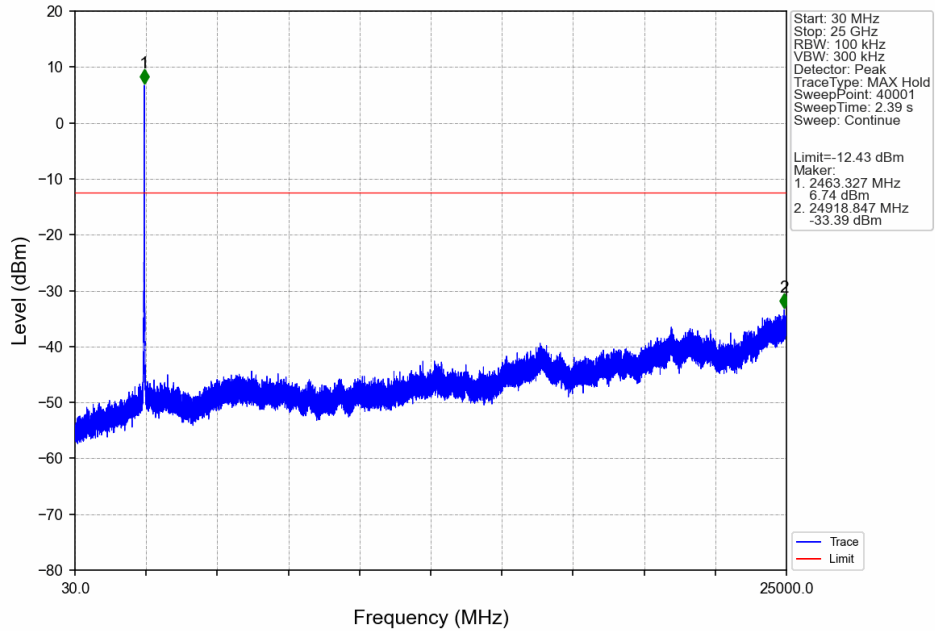
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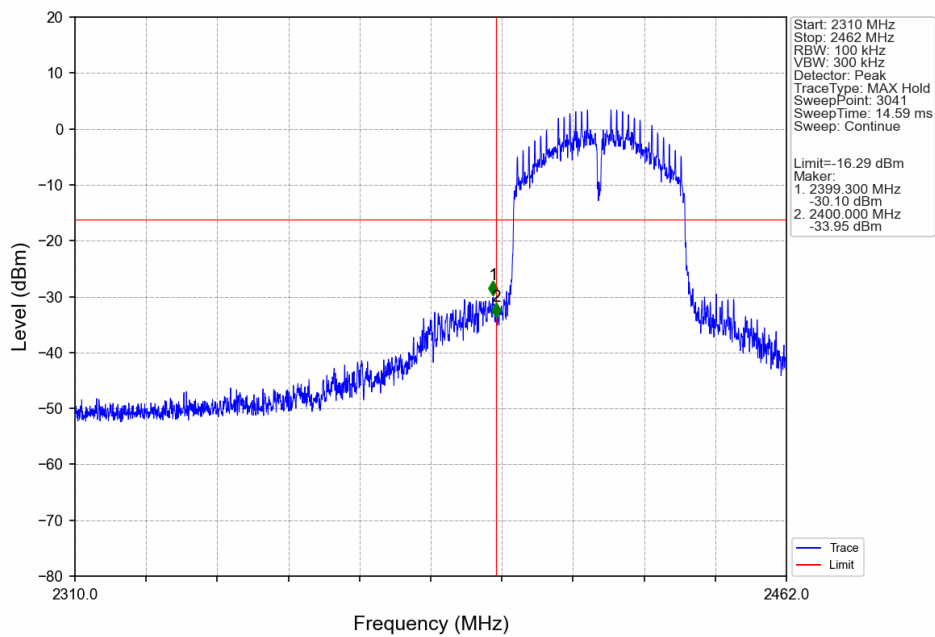
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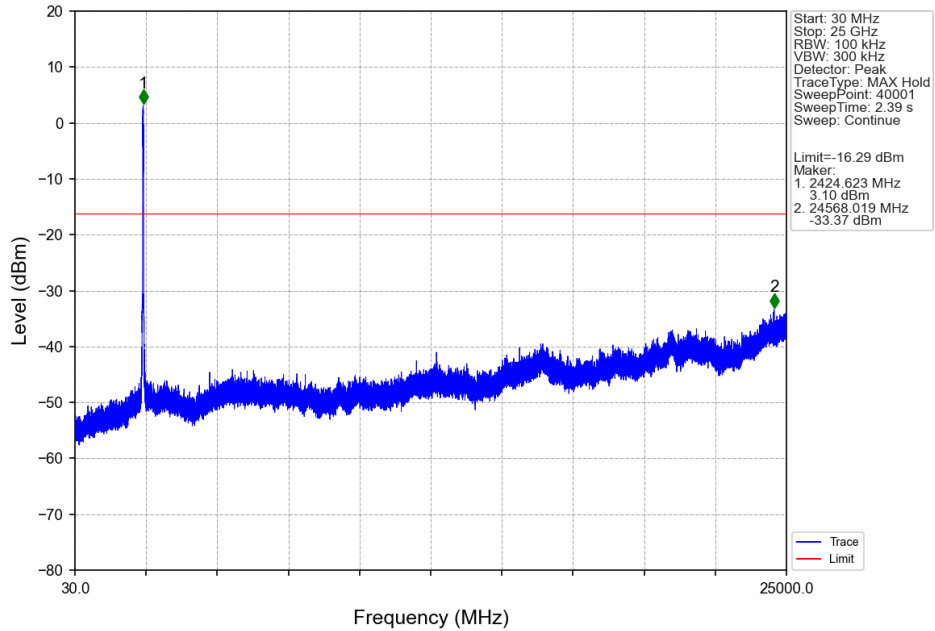
## 802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



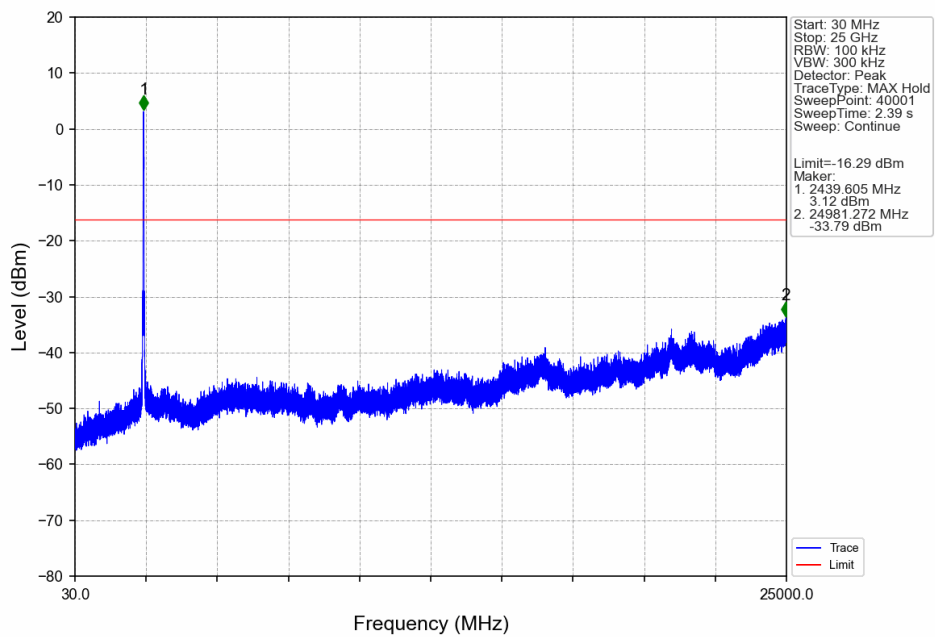
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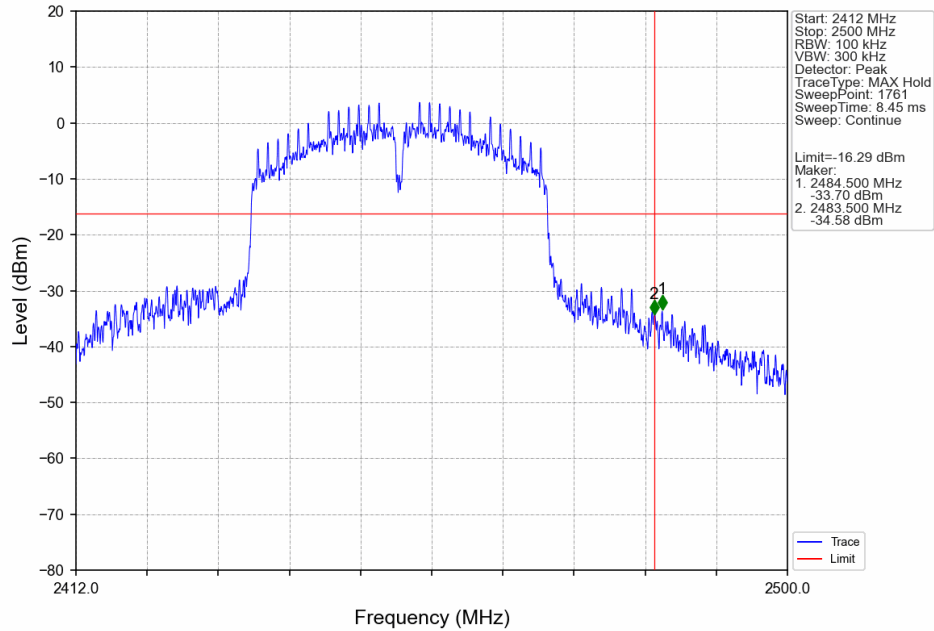
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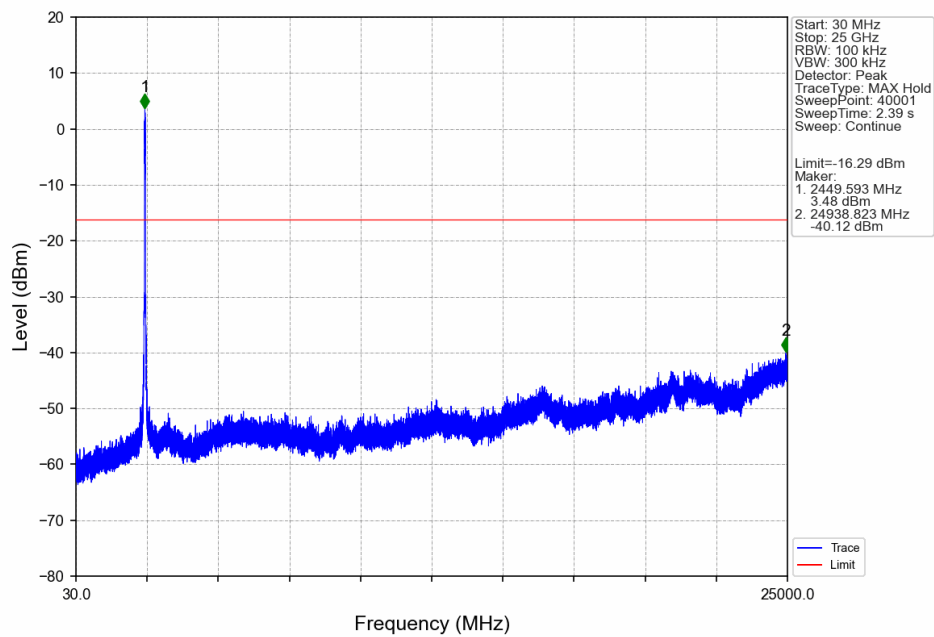
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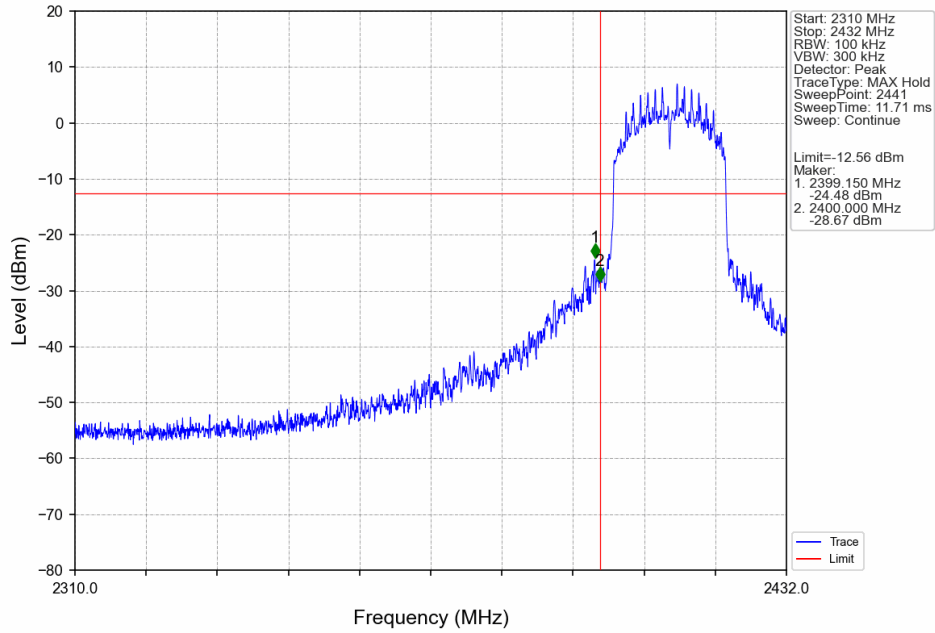
## 802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



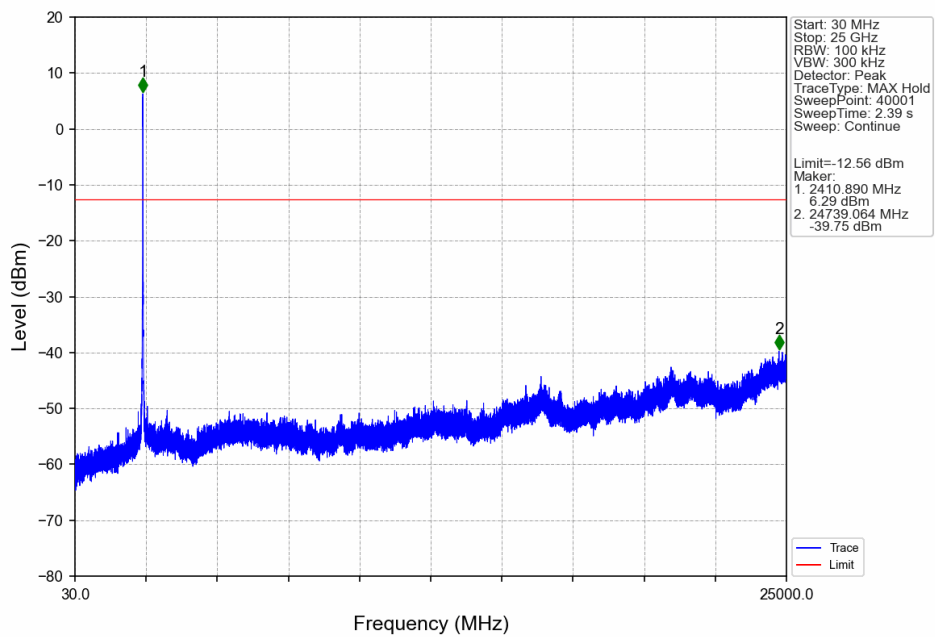
## 802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



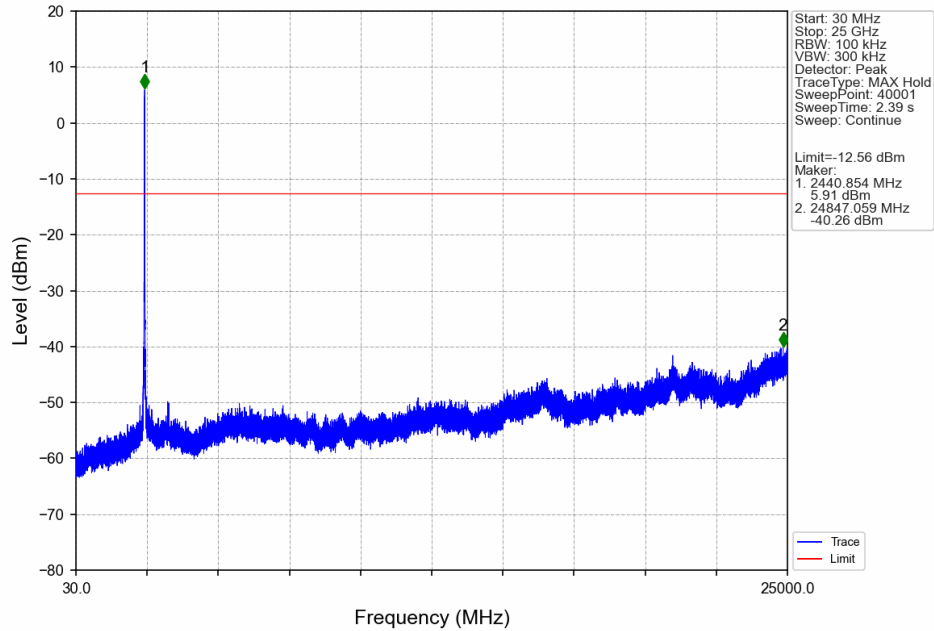
## 802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



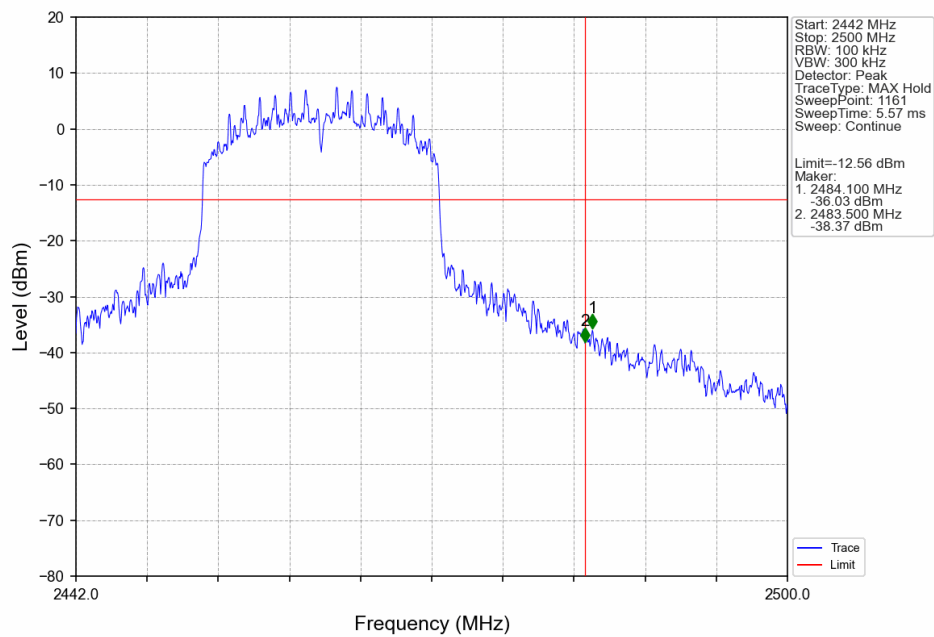
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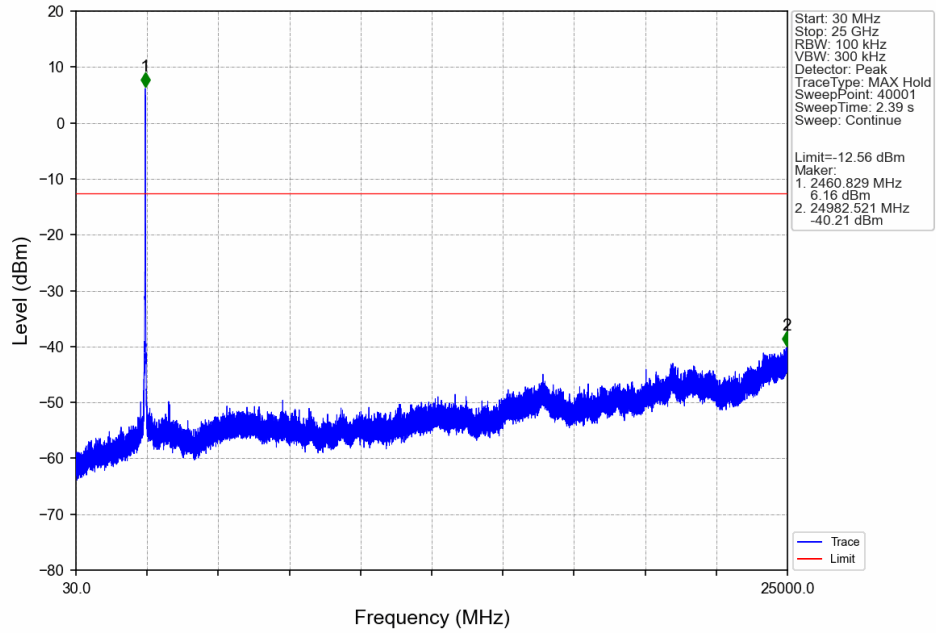
802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN



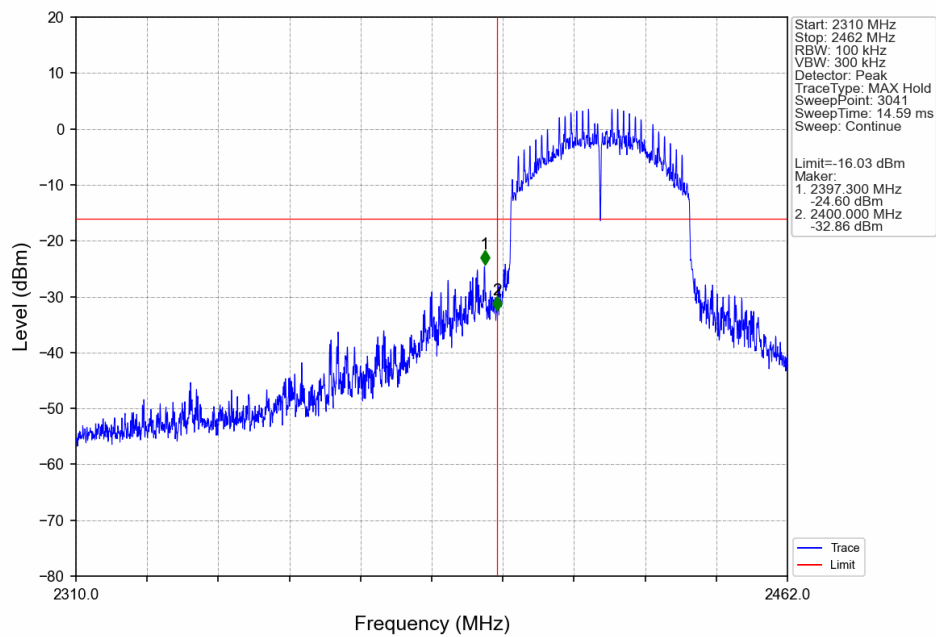
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN



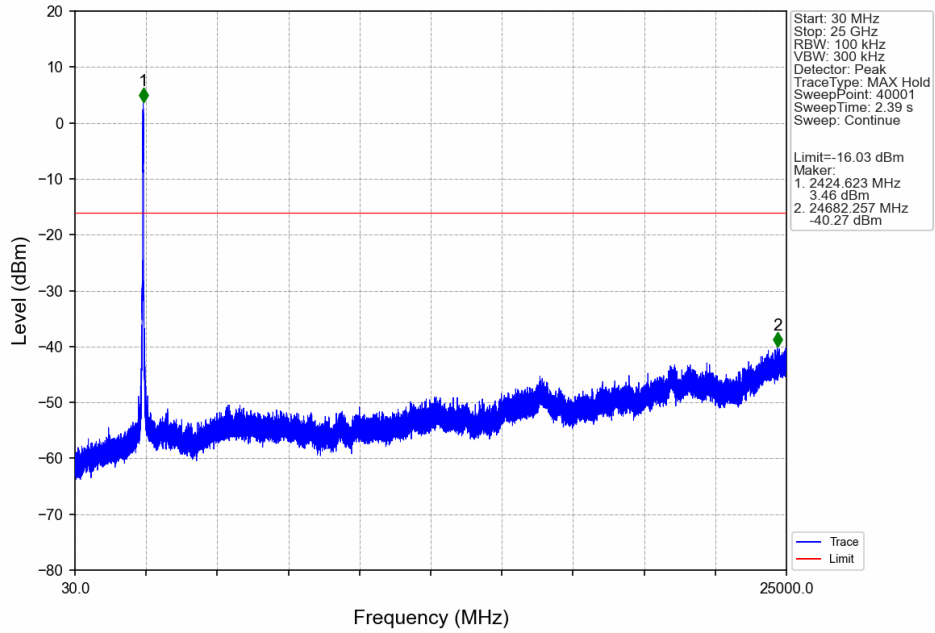
802.11ax(HEW20) HCH 2462MHz SU / \_Ant1 (SISO) \_NTNV



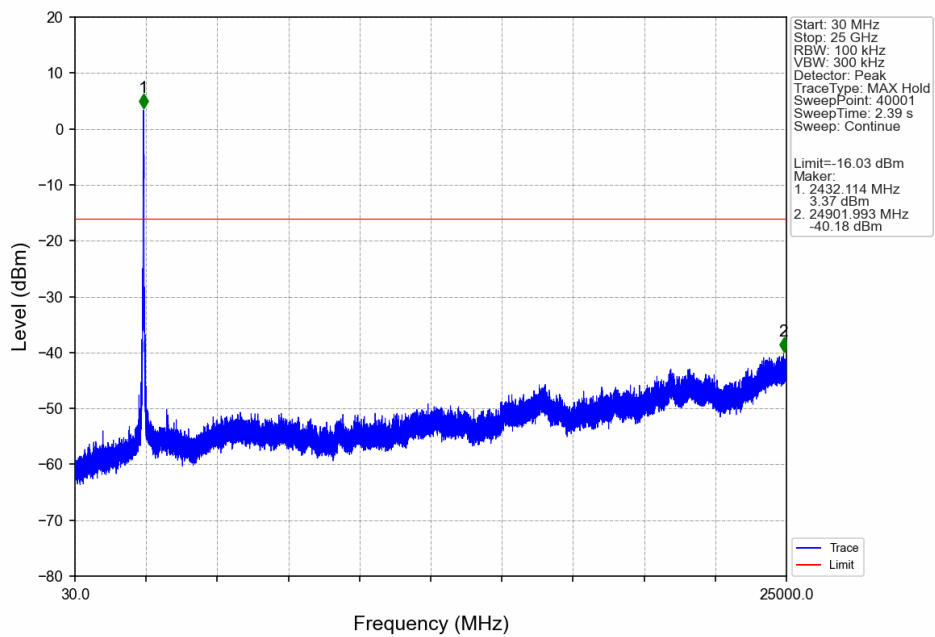
802.11ax(HEW40) LCH 2422MHz SU / \_Ant1 (SISO) \_NTNV



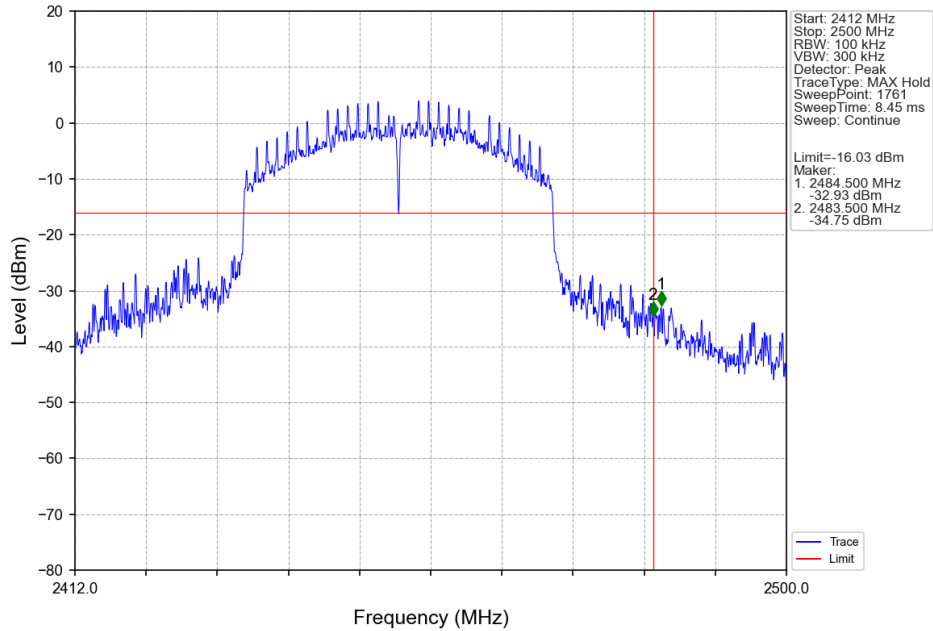
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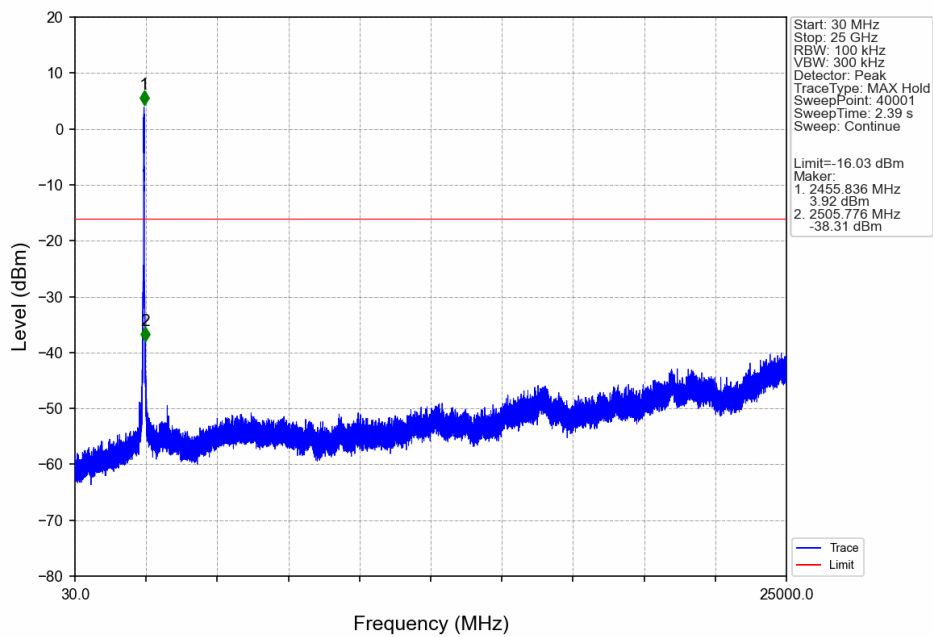
802.11ax(HEW40) MCH 2437MHz SU / Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz SU / \_Ant1 (SISO) \_NTNV



802.11ax(HEW40) HCH 2452MHz SU / \_Ant1 (SISO) \_NTNV



- End of the Report -