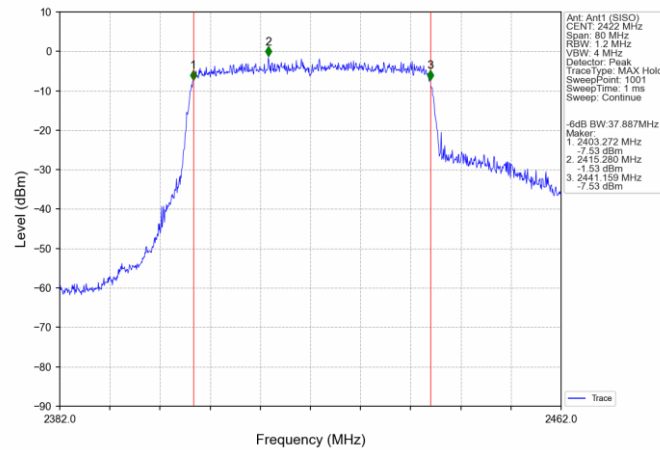
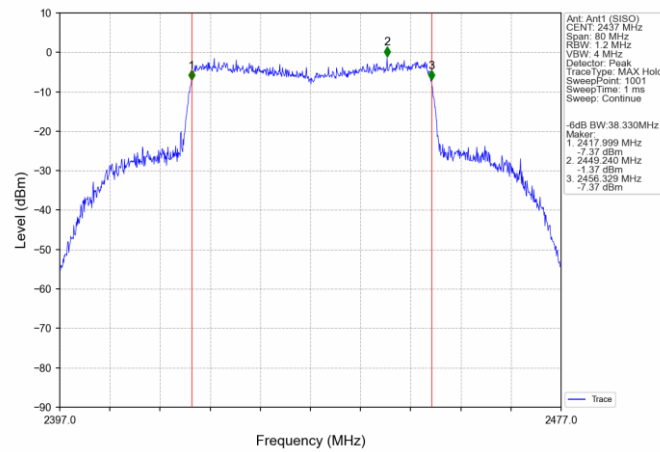




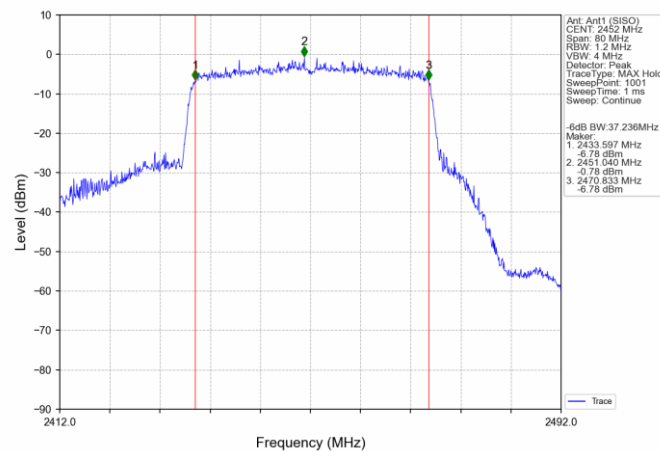
### 802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



### 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            | /  | /      | 12.02                                     | <=30  | Pass    |
|                                     |         | 2437            | /  | /      | 12.36                                     | <=30  | Pass    |
|                                     |         | 2462            | /  | /      | 11.89                                     | <=30  | Pass    |
| 802.11g                             | SISO    | 2412            | /  | /      | 11.04                                     | <=30  | Pass    |
|                                     |         | 2437            | /  | /      | 11.43                                     | <=30  | Pass    |
|                                     |         | 2462            | /  | /      | 10.98                                     | <=30  | Pass    |
| 802.11n (HT20)                      | SISO    | 2412            | /  | /      | 10.99                                     | <=30  | Pass    |
|                                     |         | 2437            | /  | /      | 11.35                                     | <=30  | Pass    |
|                                     |         | 2462            | /  | /      | 10.84                                     | <=30  | Pass    |
| 802.11n (HT40)                      | SISO    | 2422            | /  | /      | 10.44                                     | <=30  | Pass    |
|                                     |         | 2437            | /  | /      | 10.49                                     | <=30  | Pass    |
|                                     |         | 2452            | /  | /      | 10.26                                     | <=30  | Pass    |
| 802.11ax (HEW20)                    | SISO    | 2412            | SU | /      | 10.84                                     | <=30  | Pass    |
|                                     |         | 2437            | SU | /      | 11.09                                     | <=30  | Pass    |
|                                     |         | 2462            | SU | /      | 10.64                                     | <=30  | Pass    |
| 802.11ax (HEW40)                    | SISO    | 2422            | SU | /      | 10.14                                     | <=30  | Pass    |
|                                     |         | 2437            | SU | /      | 10.17                                     | <=30  | Pass    |
|                                     |         | 2452            | SU | /      | 10.22                                     | <=30  | Pass    |
| Note1: Antenna Gain: Ant1: 5.00dBi; |         |                 |    |        |                                           |       |         |



#### 4. Maximum Power Spectral Density

##### 4.1 Test Result

##### 4.1.1 PSD

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/3kHz) |       | Verdict |
|------------------|---------|-----------------|----|--------|------------------------|-------|---------|
|                  |         |                 |    |        | ANT1                   | Limit |         |
| 802.11b          | SISO    | 2412            | /  | /      | -12.77                 | <=8   | Pass    |
|                  |         | 2437            | /  | /      | -13.28                 | <=8   | Pass    |
|                  |         | 2462            | /  | /      | -13.47                 | <=8   | Pass    |
| 802.11g          | SISO    | 2412            | /  | /      | -22.10                 | <=8   | Pass    |
|                  |         | 2437            | /  | /      | -21.50                 | <=8   | Pass    |
|                  |         | 2462            | /  | /      | -21.90                 | <=8   | Pass    |
| 802.11n (HT20)   | SISO    | 2412            | /  | /      | -21.69                 | <=8   | Pass    |
|                  |         | 2437            | /  | /      | -22.42                 | <=8   | Pass    |
|                  |         | 2462            | /  | /      | -22.35                 | <=8   | Pass    |
| 802.11n (HT40)   | SISO    | 2422            | /  | /      | -24.13                 | <=8   | Pass    |
|                  |         | 2437            | /  | /      | -25.56                 | <=8   | Pass    |
|                  |         | 2452            | /  | /      | -25.04                 | <=8   | Pass    |
| 802.11ax (HEW20) | SISO    | 2412            | SU | /      | -24.13                 | <=8   | Pass    |
|                  |         | 2437            | SU | /      | -23.60                 | <=8   | Pass    |
|                  |         | 2462            | SU | /      | -23.56                 | <=8   | Pass    |
| 802.11ax (HEW40) | SISO    | 2422            | SU | /      | -27.68                 | <=8   | Pass    |
|                  |         | 2437            | SU | /      | -27.51                 | <=8   | Pass    |
|                  |         | 2452            | SU | /      | -27.73                 | <=8   | Pass    |

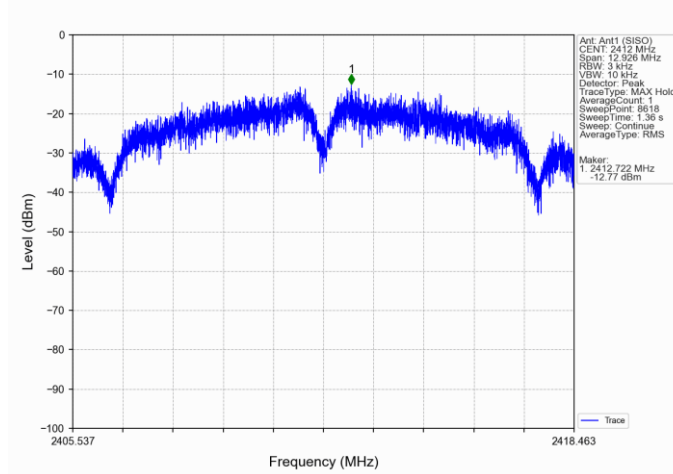
Note1: Antenna Gain: Ant1: 5.00dBi;



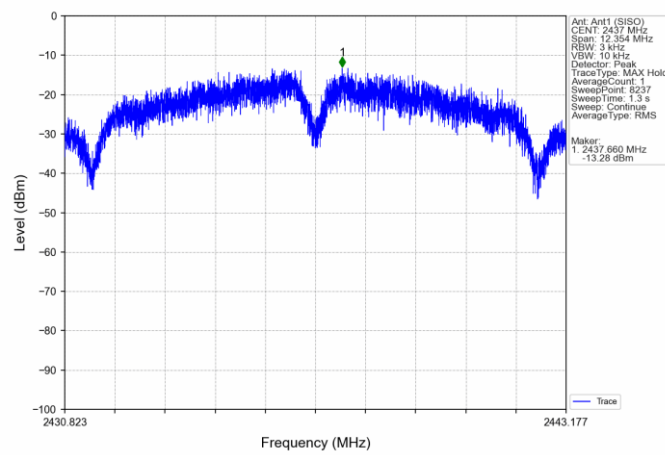
## 4.2 Test Graph

### 4.2.1 PSD

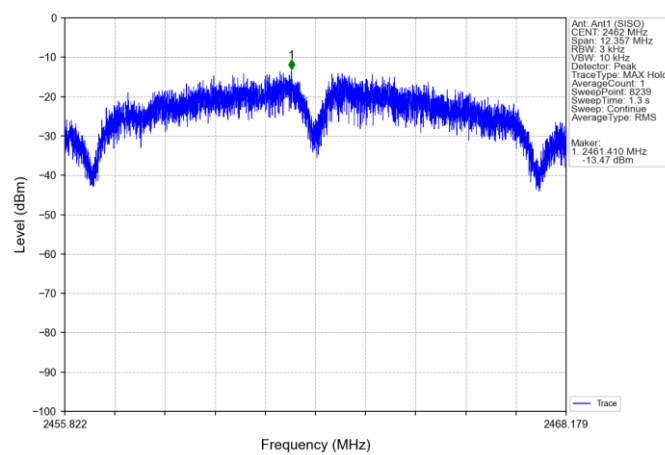
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

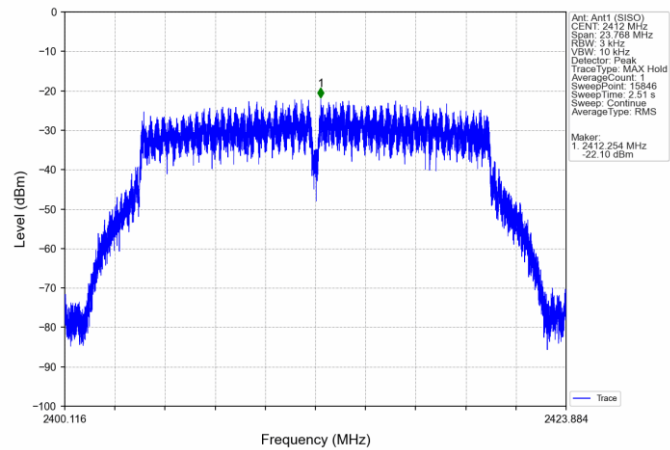


802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

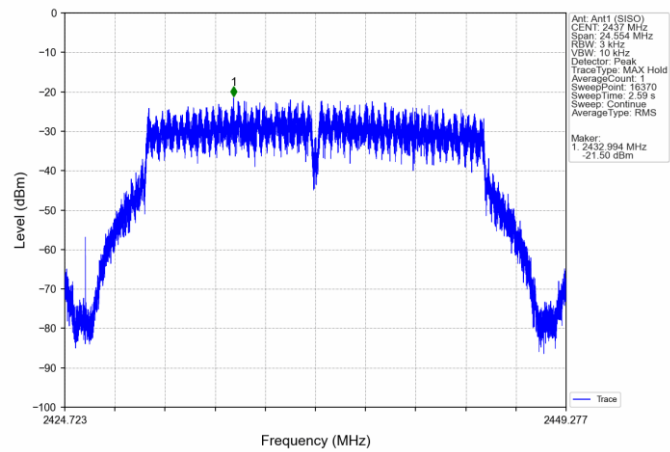




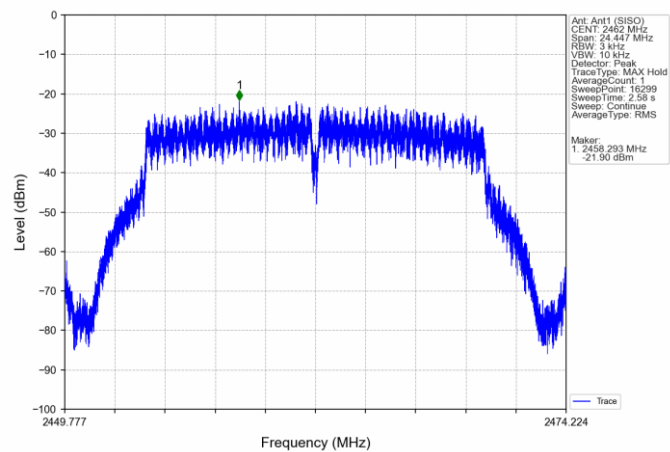
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

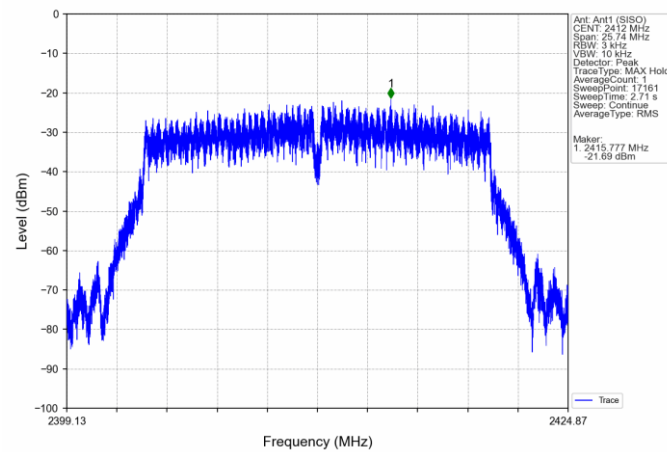


### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

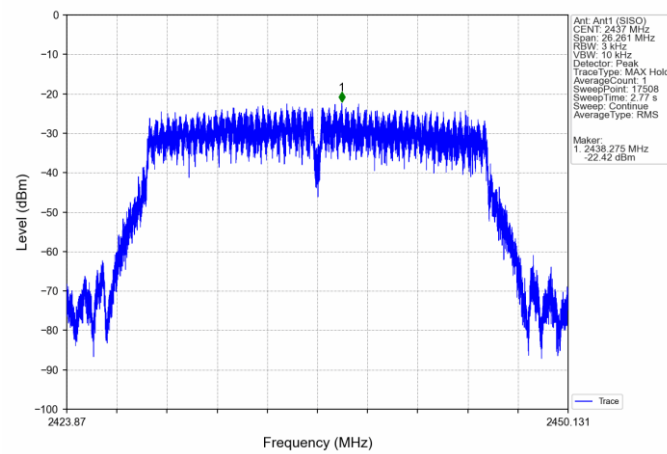




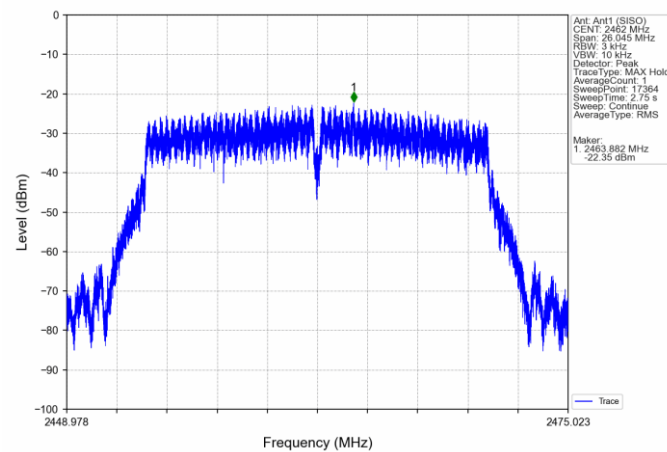
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

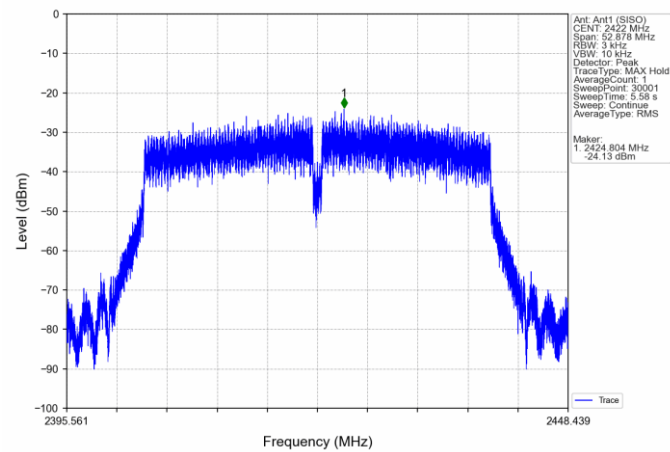


### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

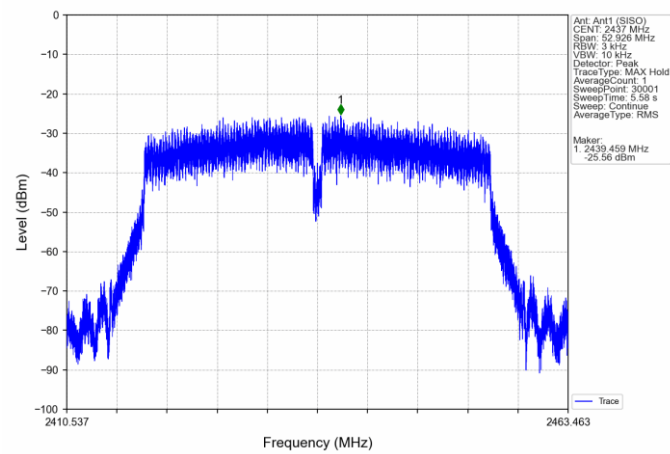




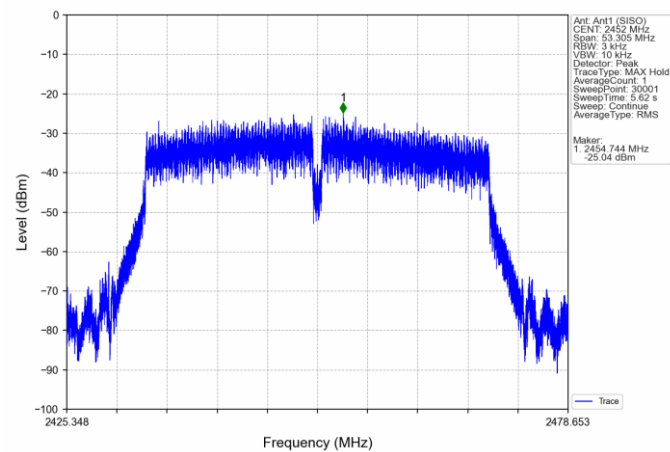
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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

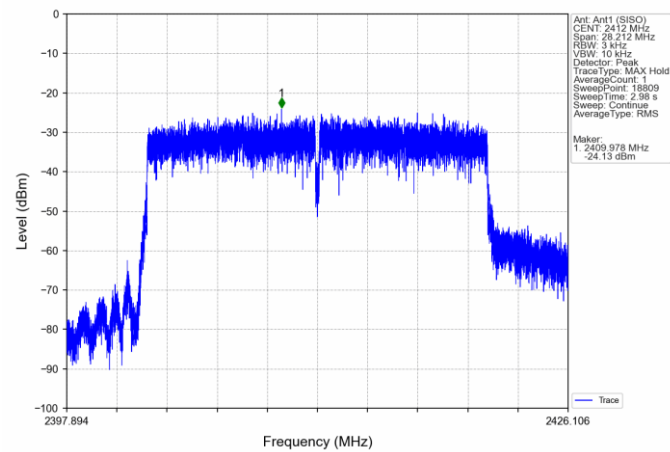


### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV

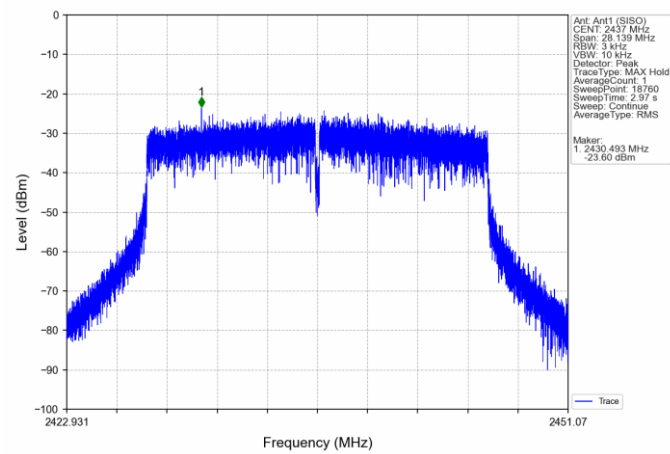




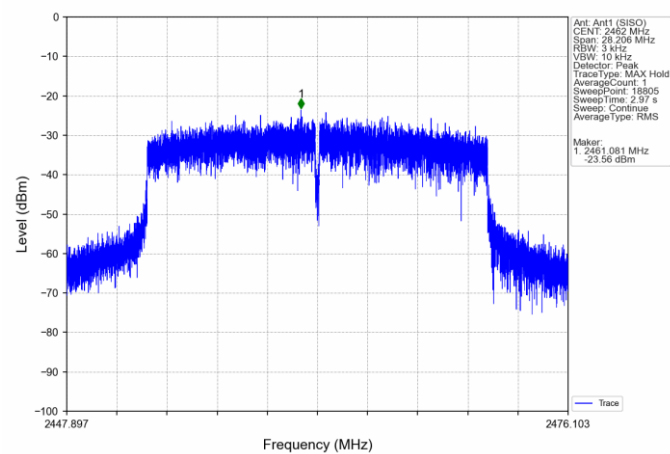
### 802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



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

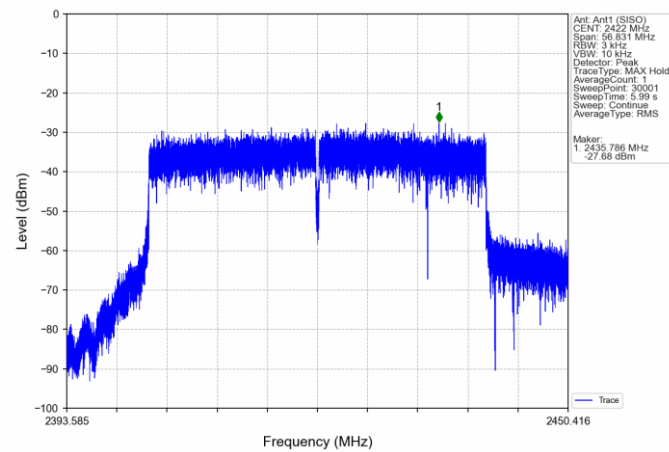


### 802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN

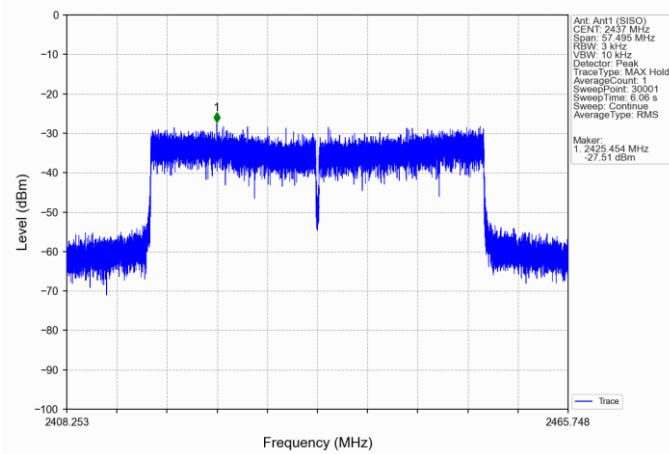




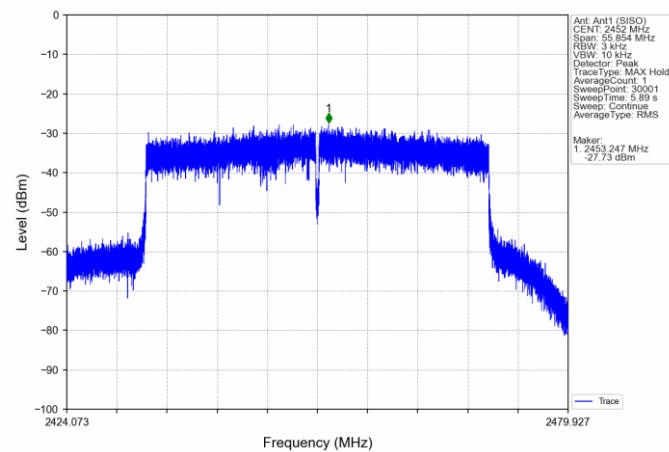
### 802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



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



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





## 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   | 1.39                     |
|                  |         | 2437            | /  | /      | 1   | 2.16                     |
|                  |         | 2462            | /  | /      | 1   | 1.49                     |
| 802.11g          | SISO    | 2412            | /  | /      | 1   | -7.06                    |
|                  |         | 2437            | /  | /      | 1   | -7.00                    |
|                  |         | 2462            | /  | /      | 1   | -6.93                    |
| 802.11n (HT20)   | SISO    | 2412            | /  | /      | 1   | -7.29                    |
|                  |         | 2437            | /  | /      | 1   | -6.74                    |
|                  |         | 2462            | /  | /      | 1   | -6.80                    |
| 802.11n (HT40)   | SISO    | 2422            | /  | /      | 1   | -10.21                   |
|                  |         | 2437            | /  | /      | 1   | -10.17                   |
|                  |         | 2452            | /  | /      | 1   | -10.67                   |
| 802.11ax (HEW20) | SISO    | 2412            | SU | /      | 1   | -9.16                    |
|                  |         | 2437            | SU | /      | 1   | -8.88                    |
|                  |         | 2462            | SU | /      | 1   | -9.15                    |
| 802.11ax (HEW40) | SISO    | 2422            | SU | /      | 1   | -13.19                   |
|                  |         | 2437            | SU | /      | 1   | -12.72                   |
|                  |         | 2452            | SU | /      | 1   | -12.40                   |

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   | 1.39                     | -18.61      | Pass    |
|                |         | 2437            | /  | /      | 1   | 2.16                     | -17.84      | Pass    |
|                |         | 2462            | /  | /      | 1   | 1.49                     | -18.51      | Pass    |
| 802.11g        | SISO    | 2412            | /  | /      | 1   | -7.06                    | -27.06      | Pass    |
|                |         | 2437            | /  | /      | 1   | -7.00                    | -27.00      | Pass    |
|                |         | 2462            | /  | /      | 1   | -6.93                    | -26.93      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | /  | /      | 1   | -7.29                    | -27.29      | Pass    |
|                |         | 2437            | /  | /      | 1   | -6.74                    | -26.74      | Pass    |
|                |         | 2462            | /  | /      | 1   | -6.80                    | -26.80      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | /  | /      | 1   | -10.21                   | -30.21      | Pass    |
|                |         | 2437            | /  | /      | 1   | -10.17                   | -30.17      | Pass    |



|                     |      |      |    |   |   |        |        |      |
|---------------------|------|------|----|---|---|--------|--------|------|
|                     |      | 2452 | /  | / | 1 | -10.67 | -30.67 | Pass |
| 802.11ax<br>(HEW20) | SISO | 2412 | SU | / | 1 | -9.16  | -29.16 | Pass |
|                     |      | 2437 | SU | / | 1 | -8.88  | -28.88 | Pass |
|                     |      | 2462 | SU | / | 1 | -9.15  | -29.15 | Pass |
|                     |      |      |    |   |   |        |        |      |
| 802.11ax<br>(HEW40) | SISO | 2422 | SU | / | 1 | -13.19 | -33.19 | Pass |
|                     |      | 2437 | SU | / | 1 | -12.72 | -32.72 | Pass |
|                     |      | 2452 | SU | / | 1 | -12.40 | -32.40 | Pass |

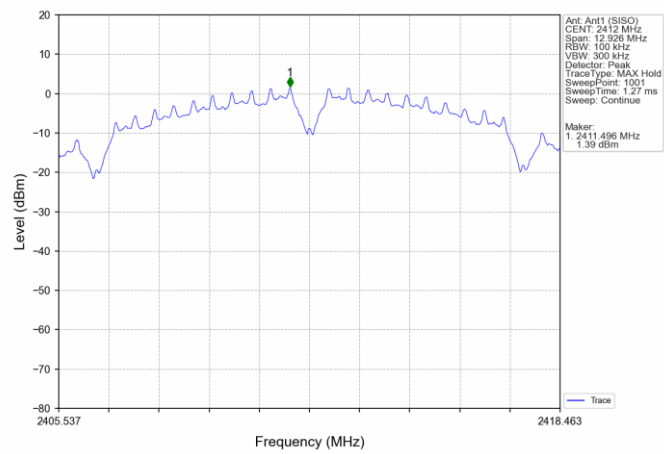
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.



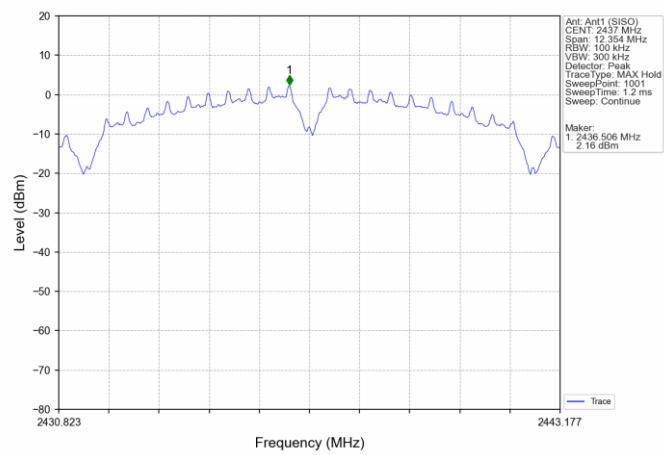
## 5.2 Test Graph

### 5.2.1 Ref

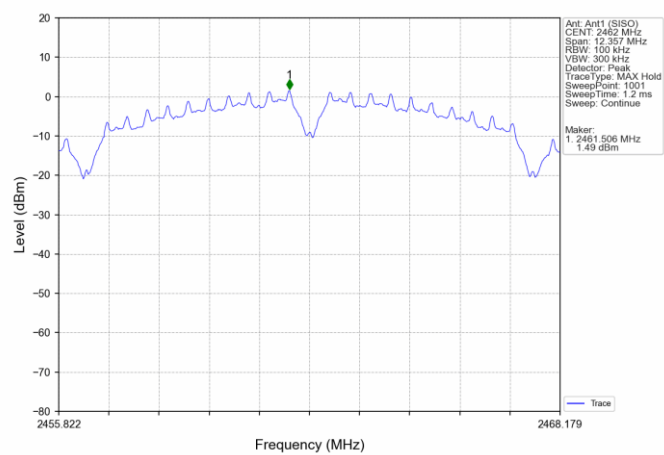
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

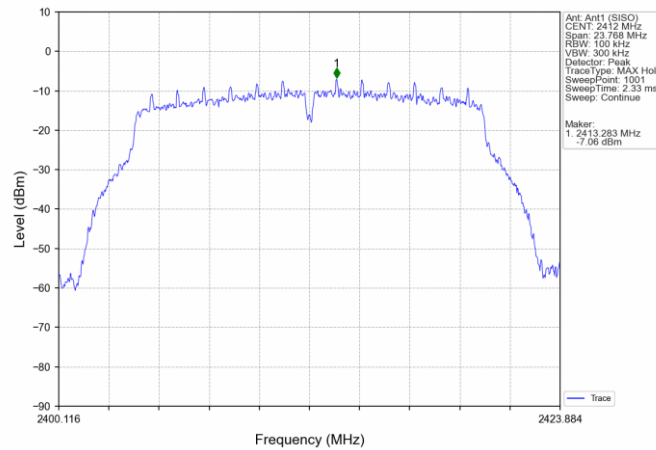


802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

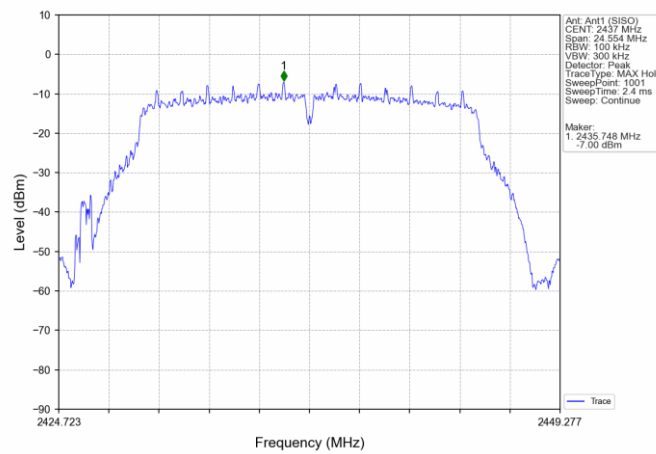




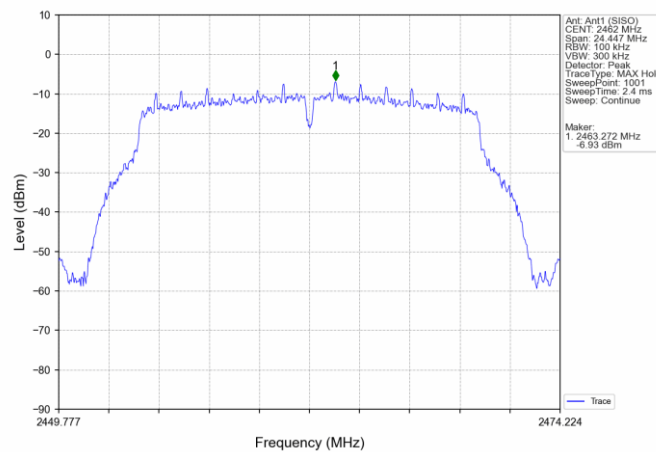
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

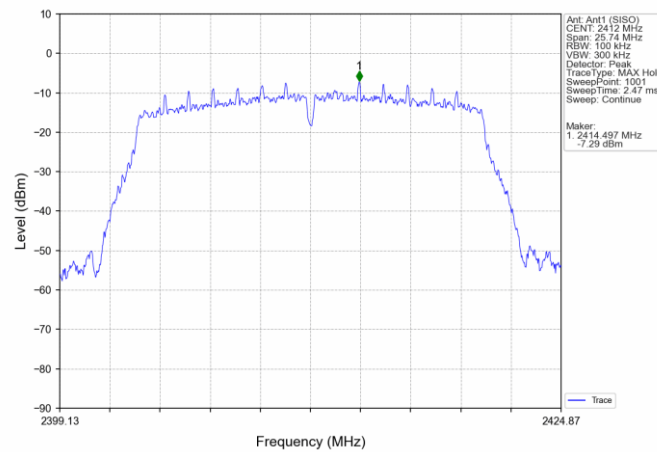


### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

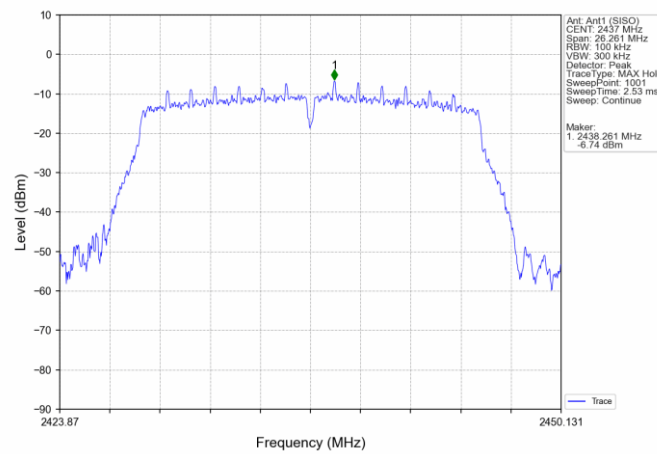




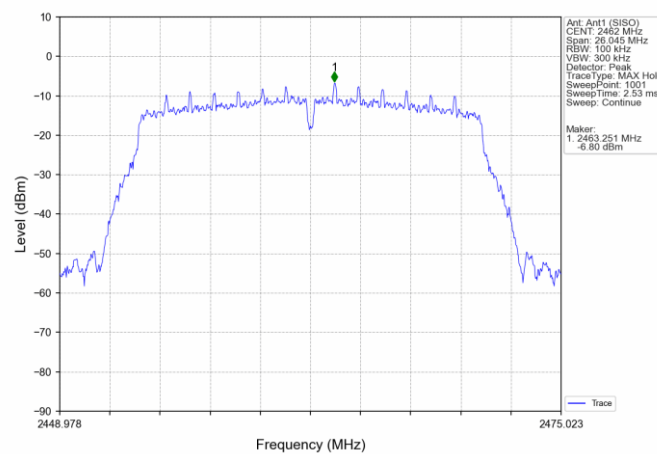
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

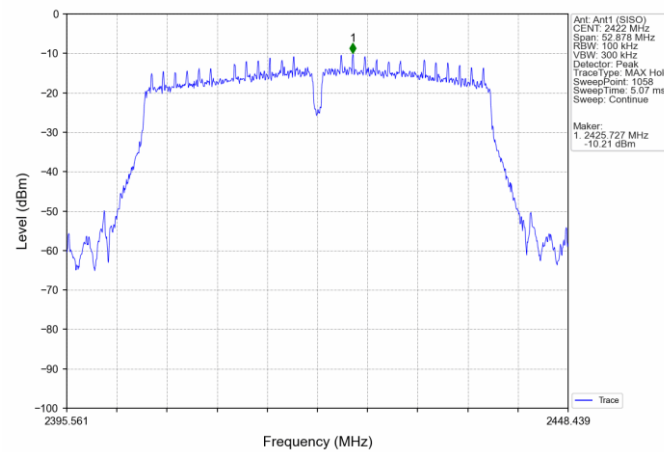


### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

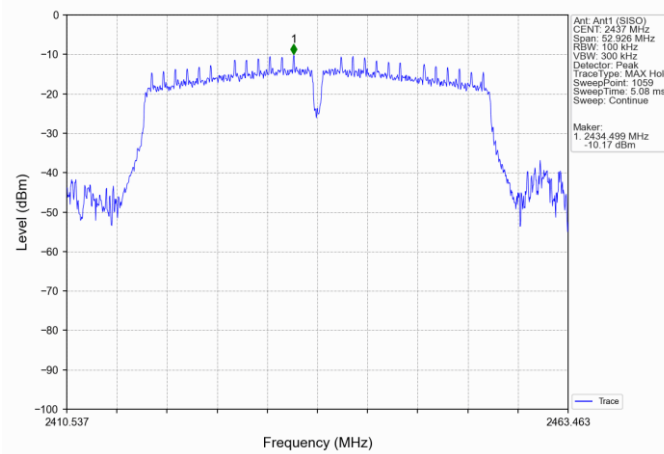




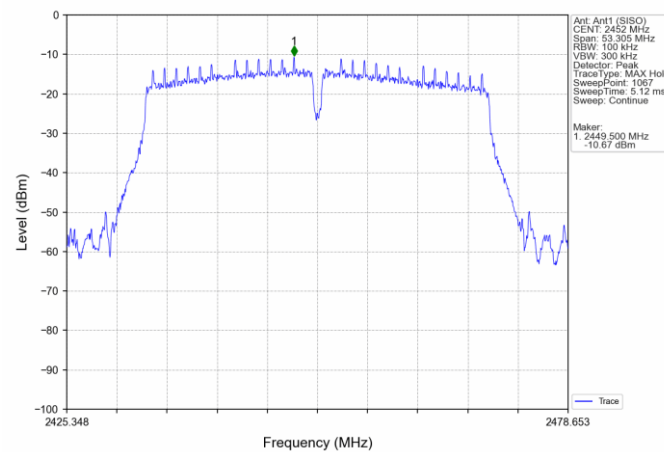
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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

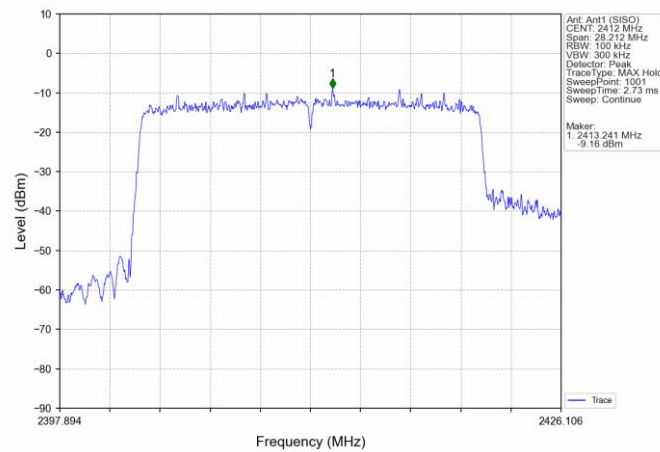


### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV

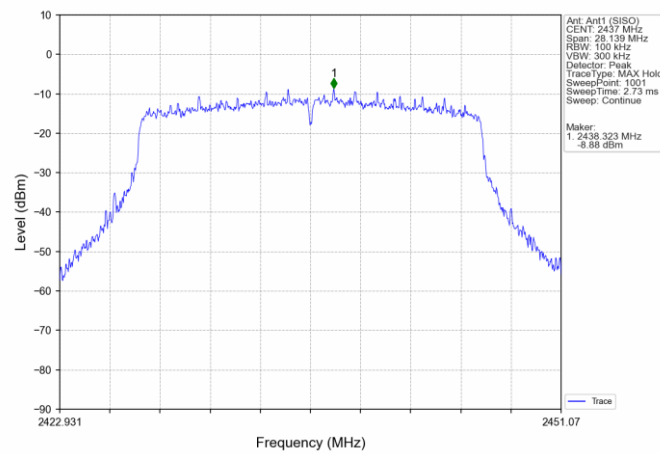




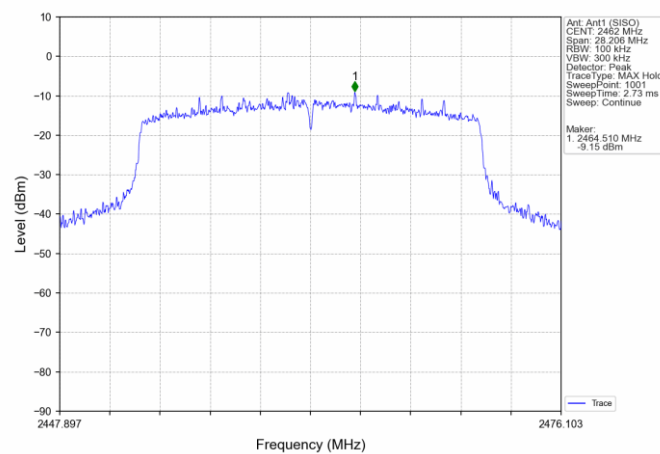
### 802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



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

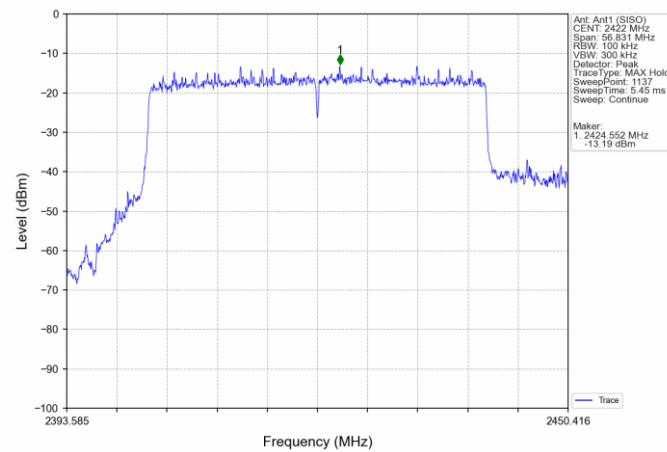


### 802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN

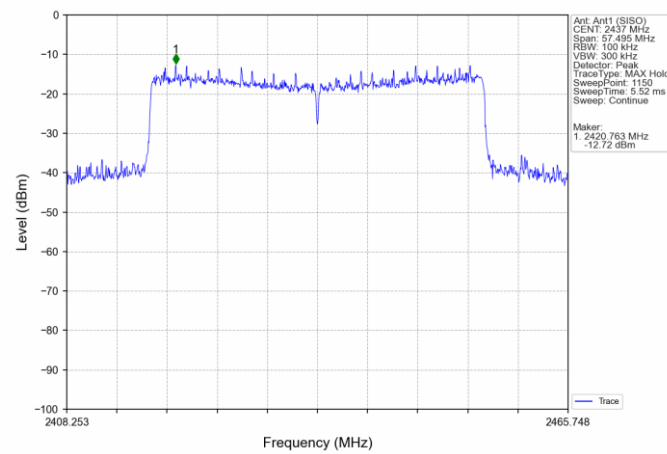




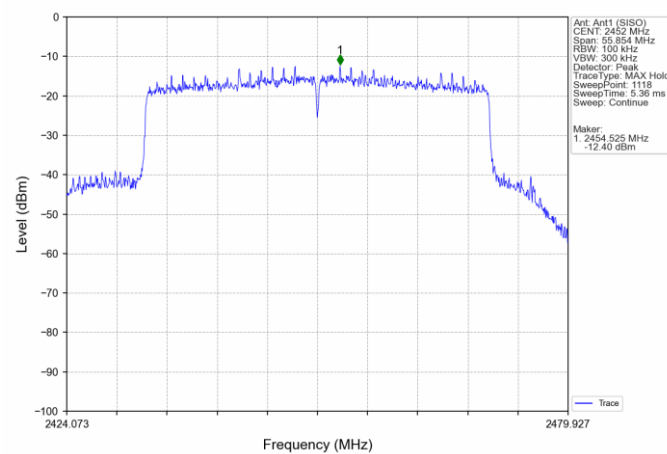
### 802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



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



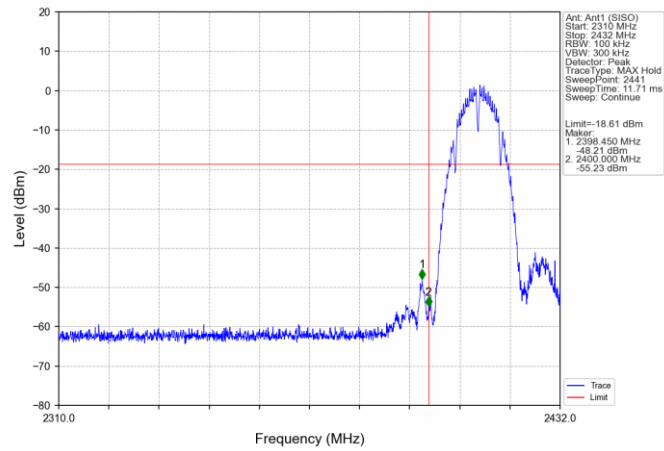
### 802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN



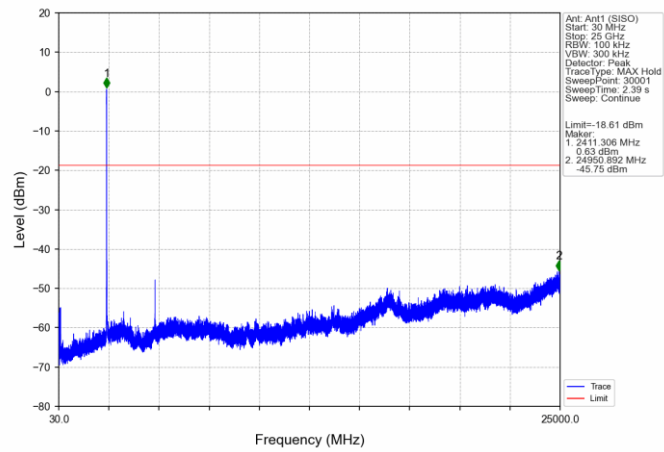


## 5.2.2 CSE

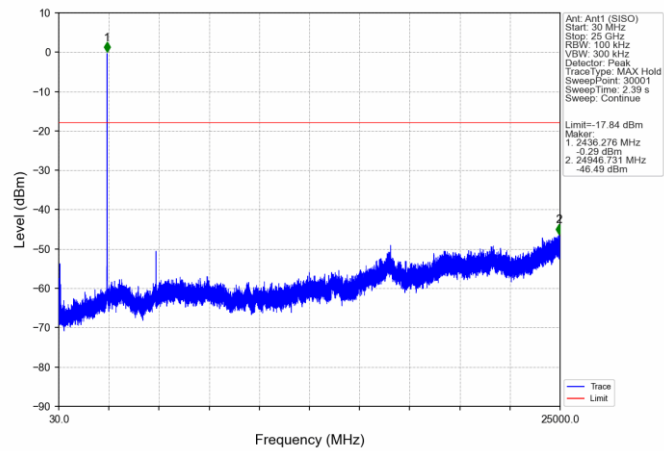
### 802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

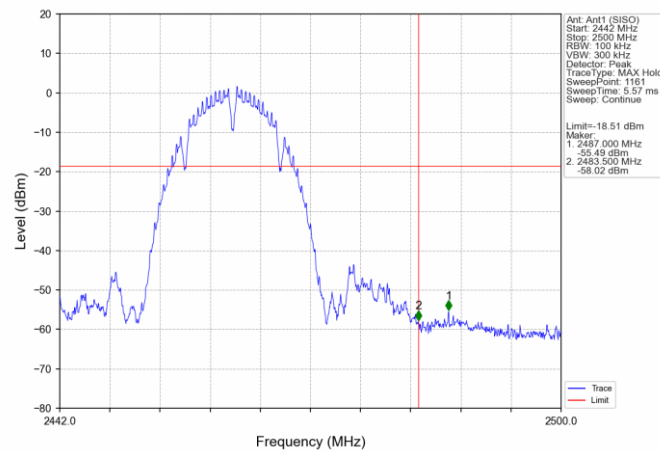


### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

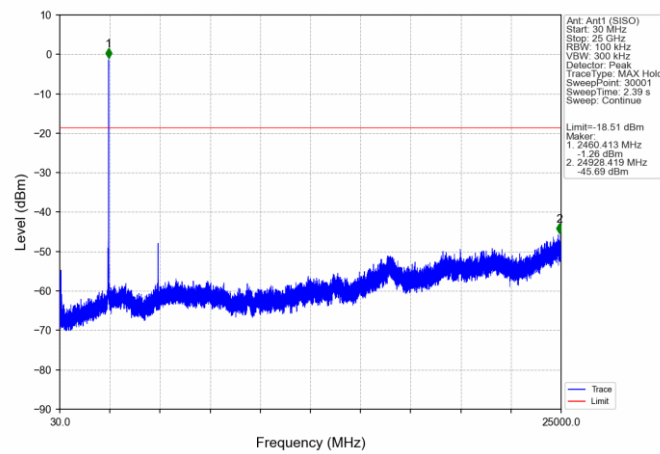




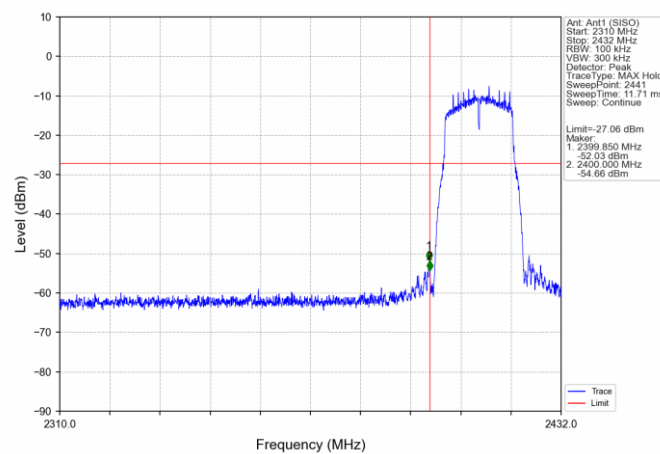
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

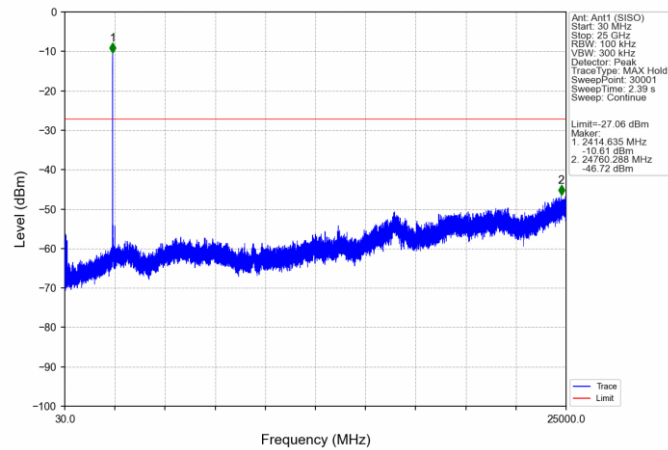


### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

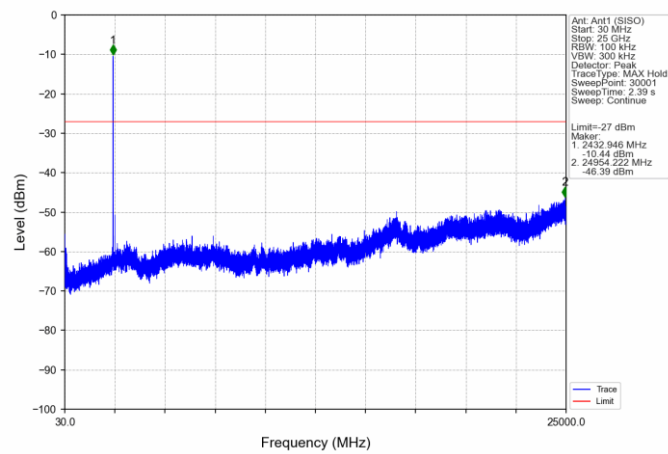




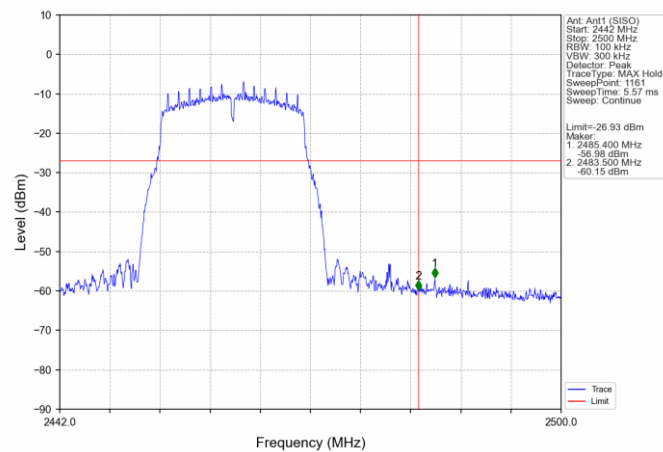
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

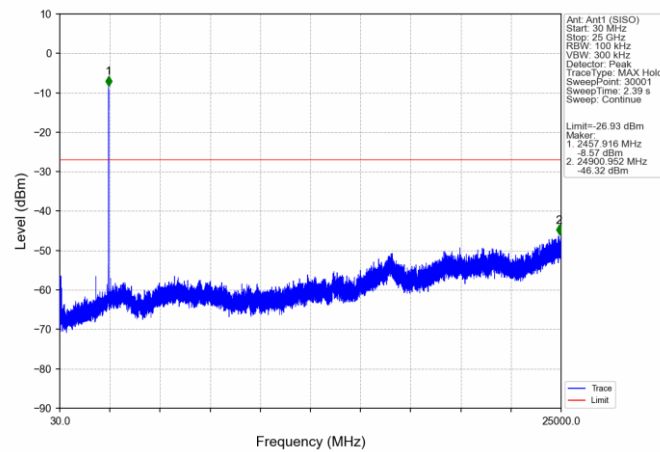


### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

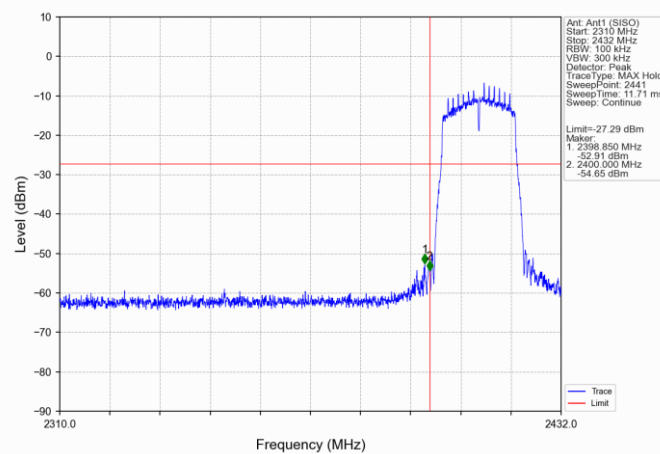




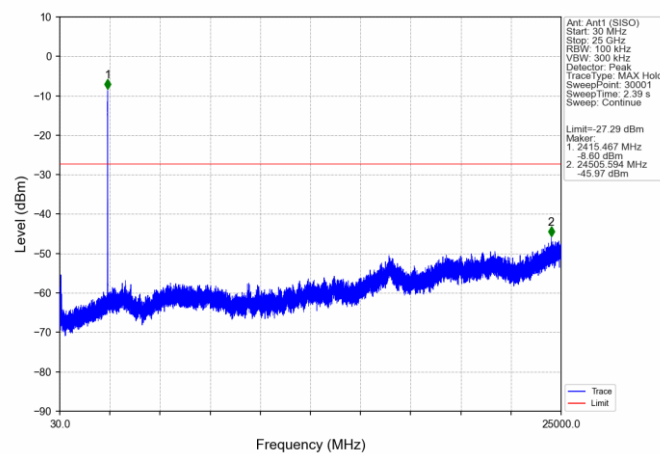
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

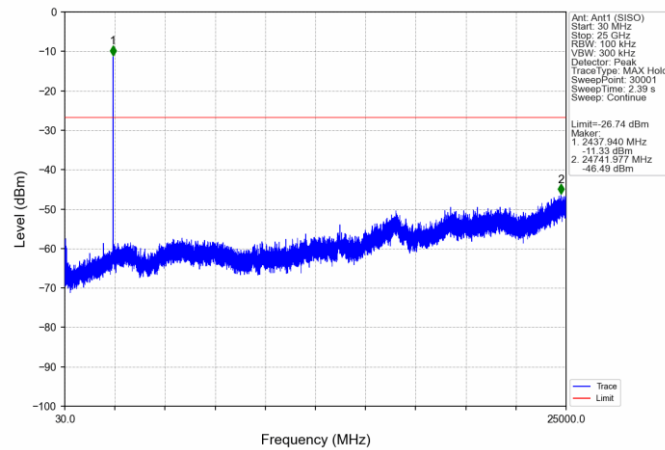


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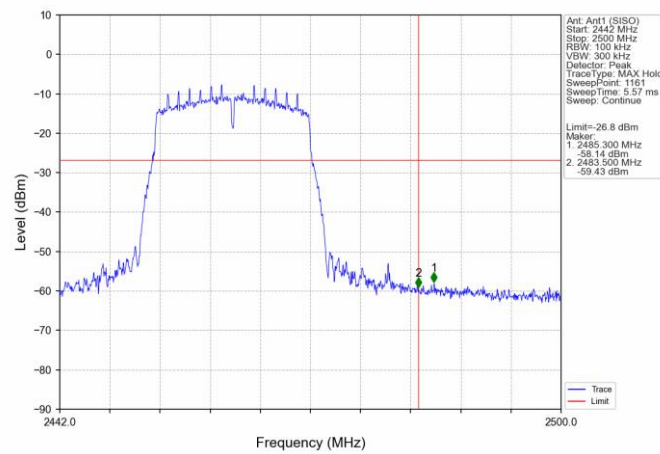




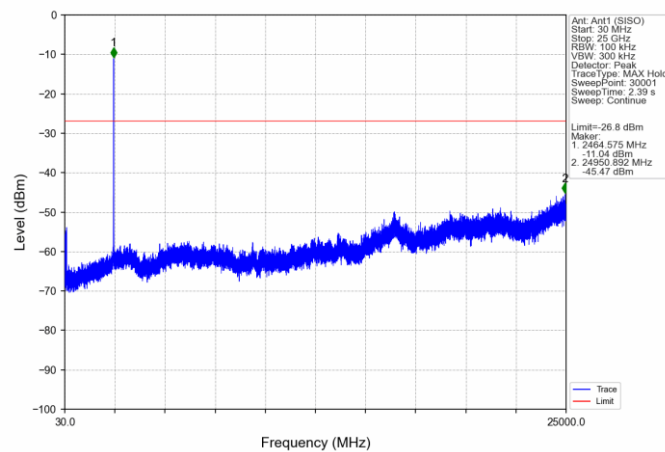
### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

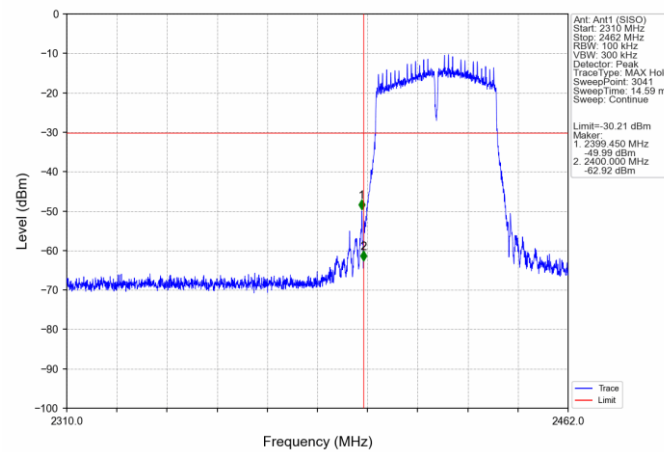


### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

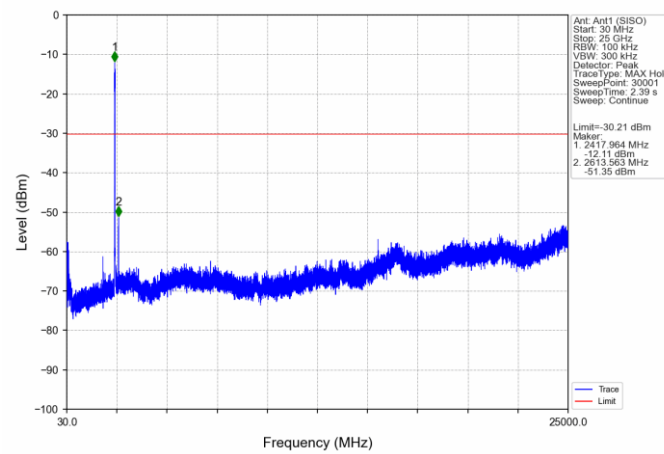




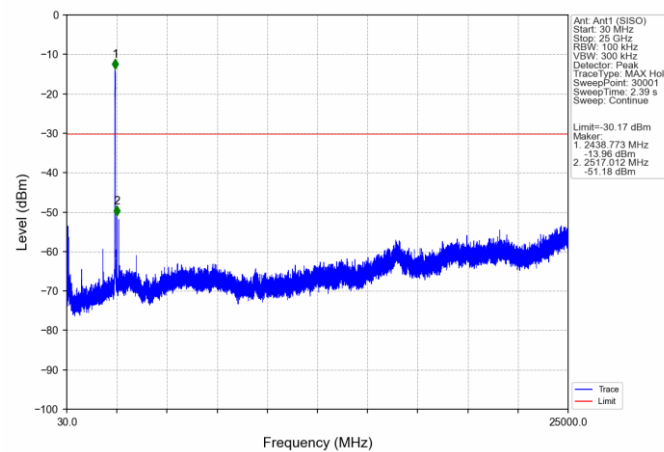
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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

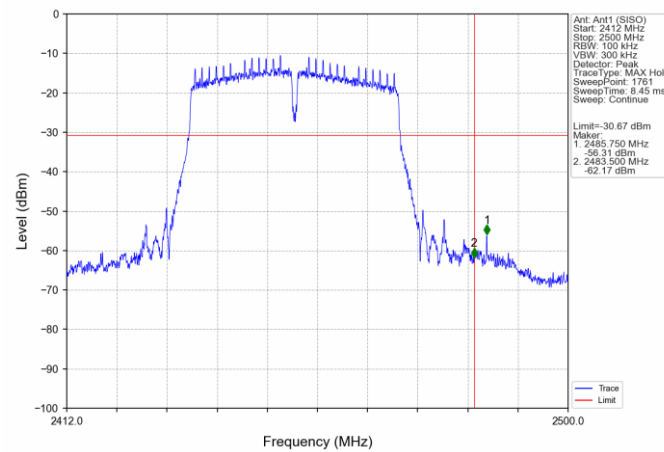


### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

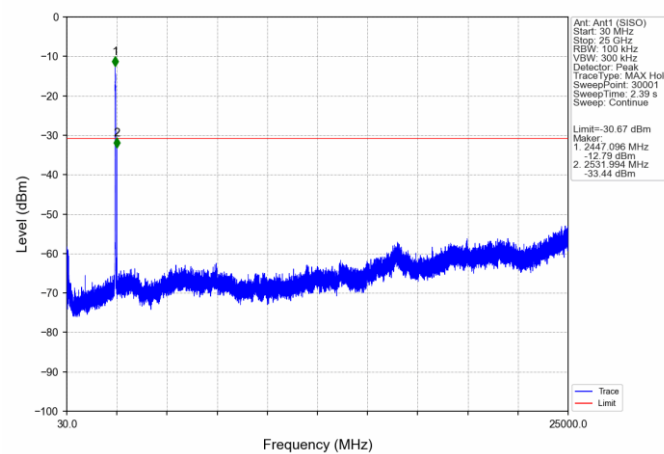




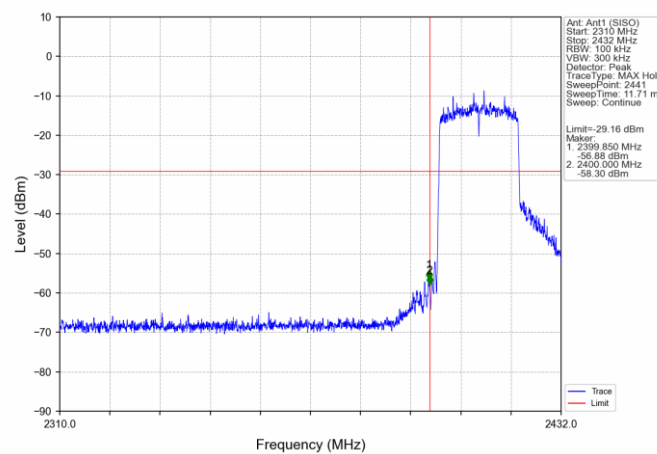
### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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

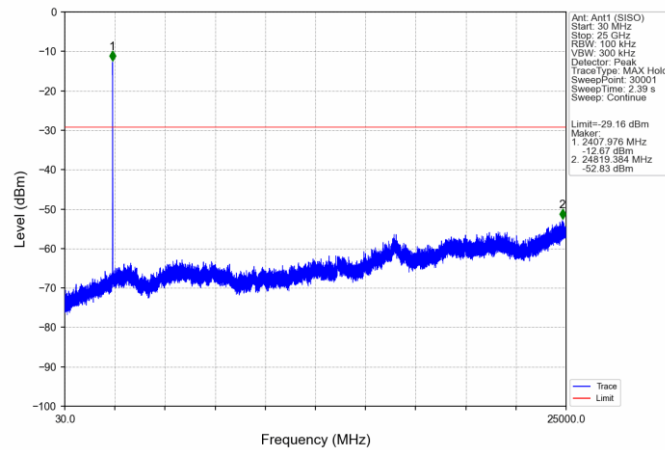


### 802.11ax(HEW20)\_LCH\_2412MHz\_SU\_ / Ant1 (SISO)\_NTNV

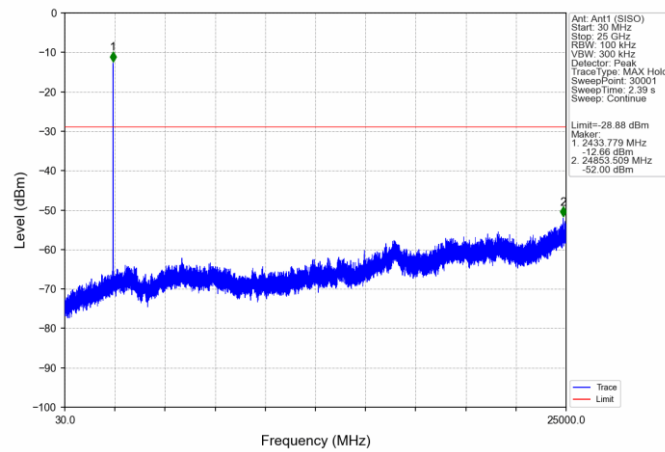




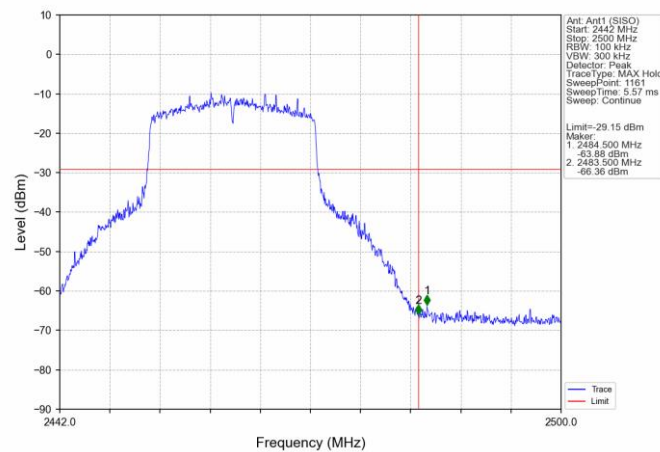
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### 802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN

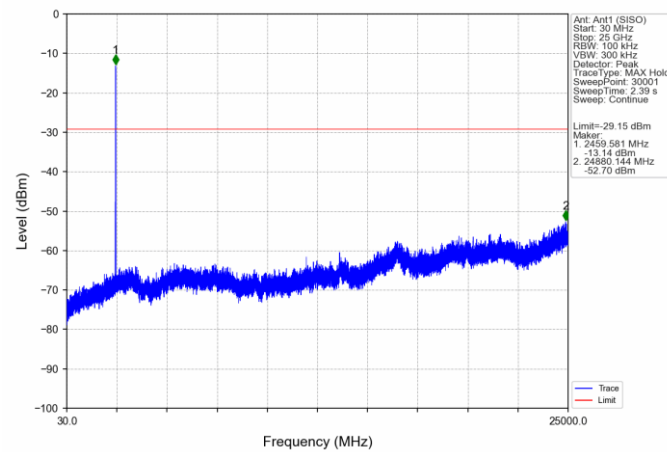


### 802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN

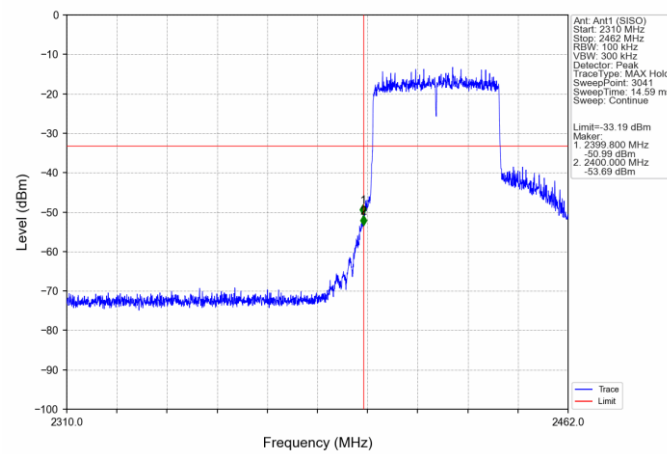




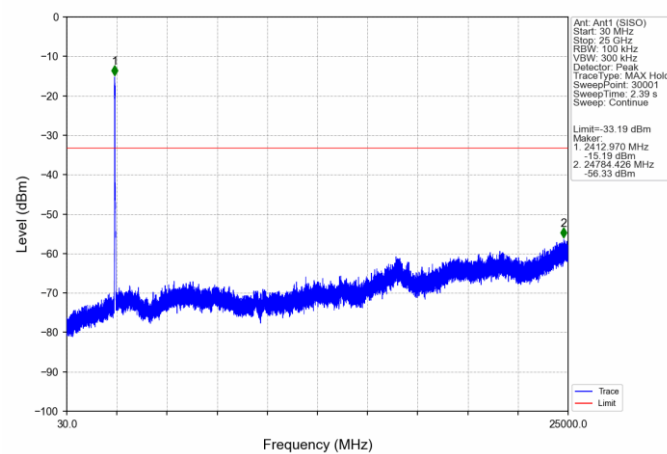
### 802.11ax(HEW20)\_HCH\_2462MHz\_SU\_ / \_Ant1 (SISO)\_NTNV



### 802.11ax(HEW40)\_LCH\_2422MHz\_SU\_ / \_Ant1 (SISO)\_NTNV

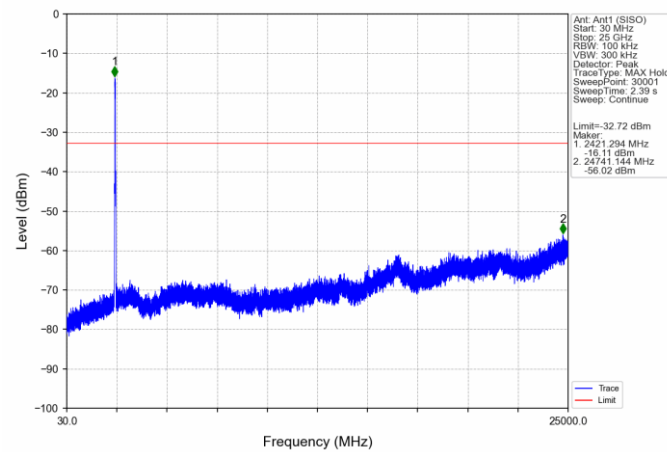


### 802.11ax(HEW40)\_LCH\_2422MHz\_SU\_ / \_Ant1 (SISO)\_NTNV

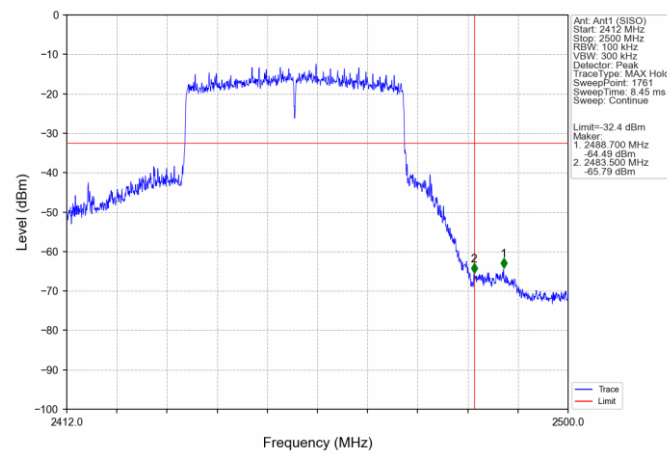




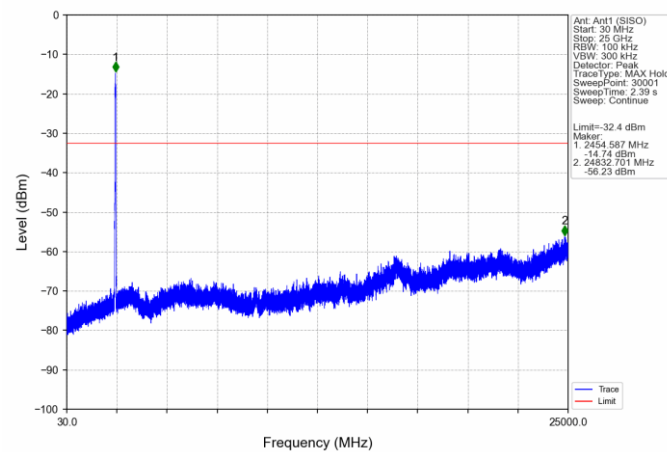
### 802.11ax(HEW40)\_MCH\_2437MHz\_SU\_ / \_Ant1 (SISO)\_NTNV



### 802.11ax(HEW40)\_HCH\_2452MHz\_SU\_ / \_Ant1 (SISO)\_NTNV



### 802.11ax(HEW40)\_HCH\_2452MHz\_SU\_ / \_Ant1 (SISO)\_NTNV





## **APPENDIX II - MEASUREMENT PHOTOS**

Note: Please see the attached RF\_Test Setup photos for FCC ID & IC.

※※※※※END OF THE REPORT※※※※※