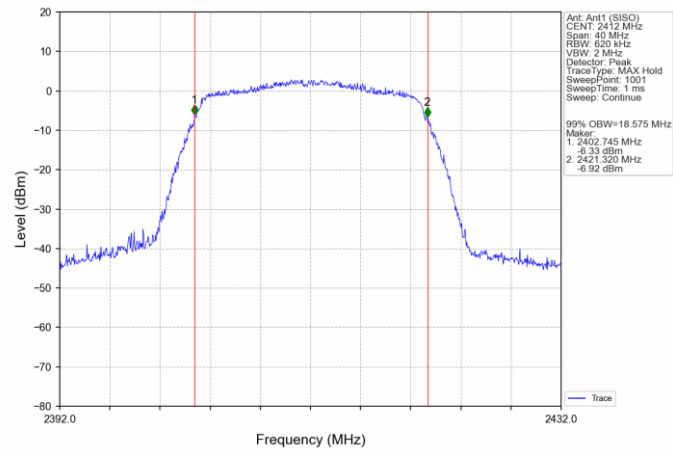
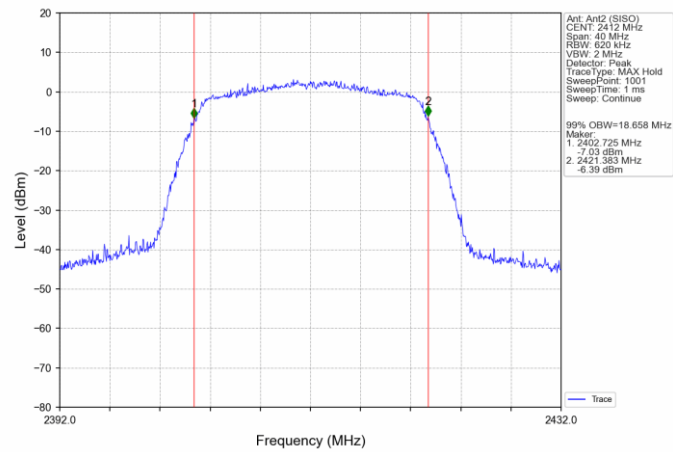




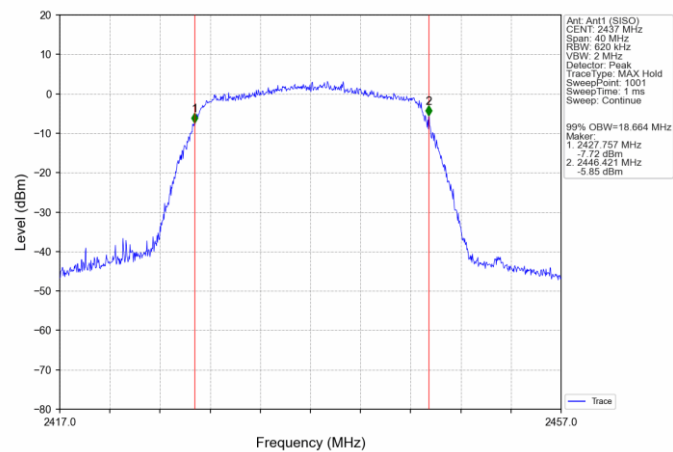
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

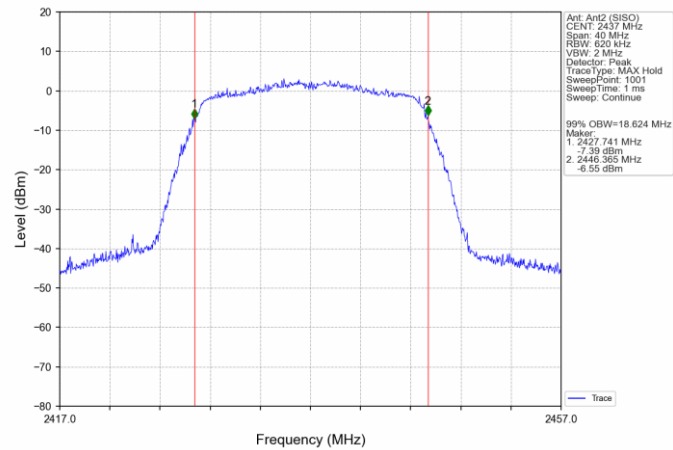


### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

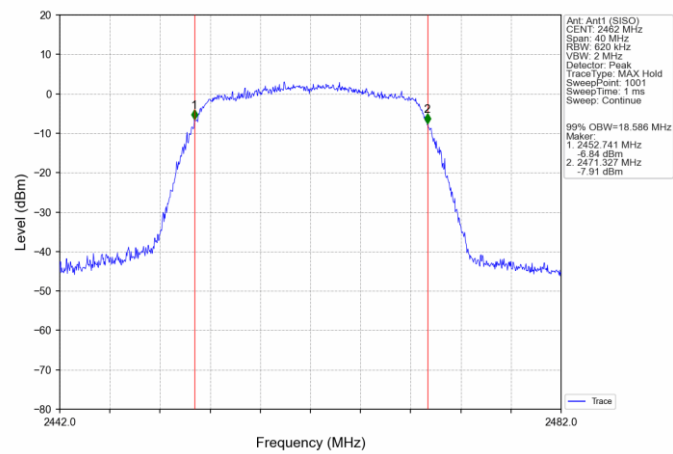




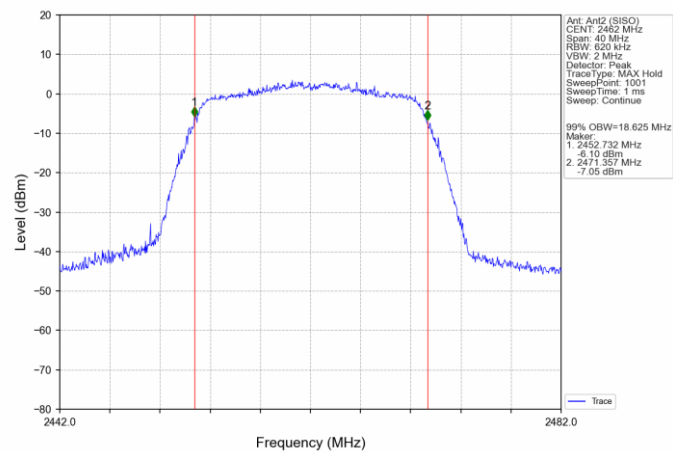
### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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

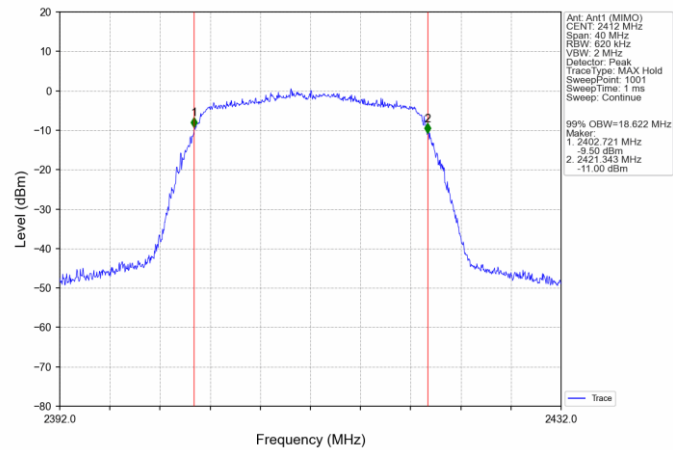


### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

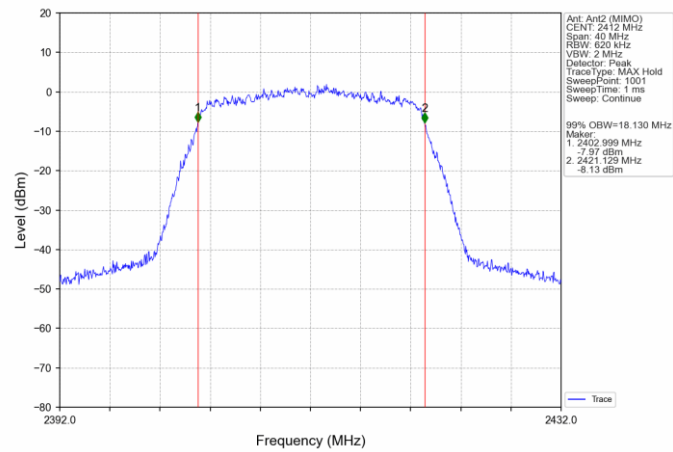




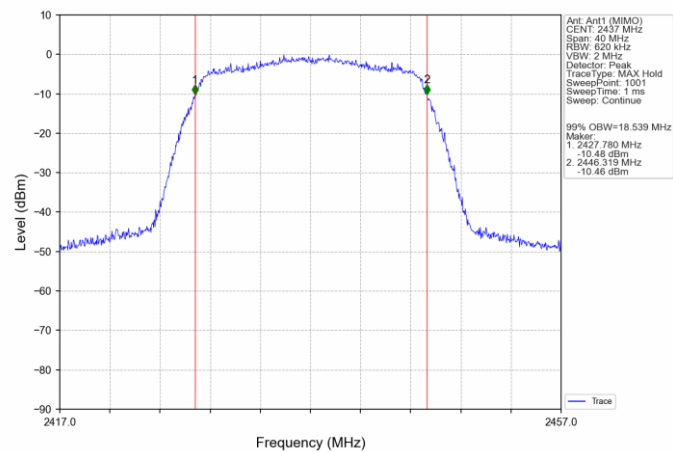
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

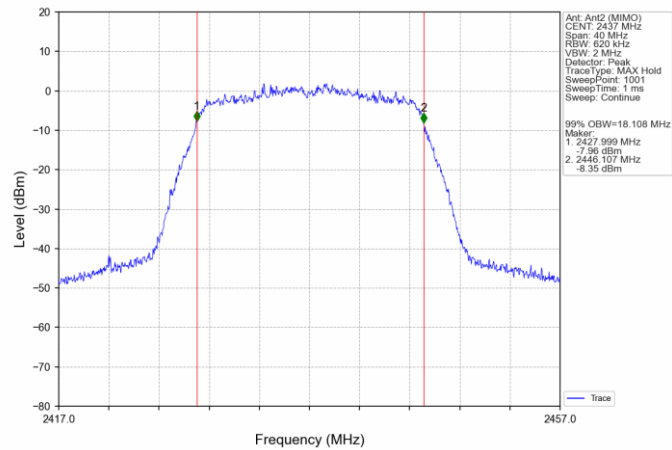


### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV

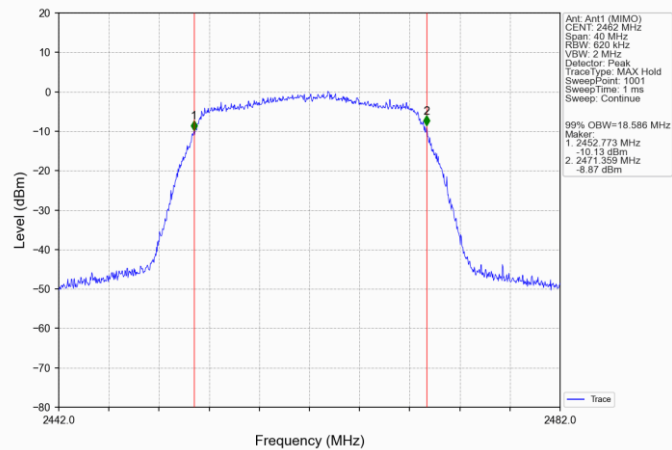




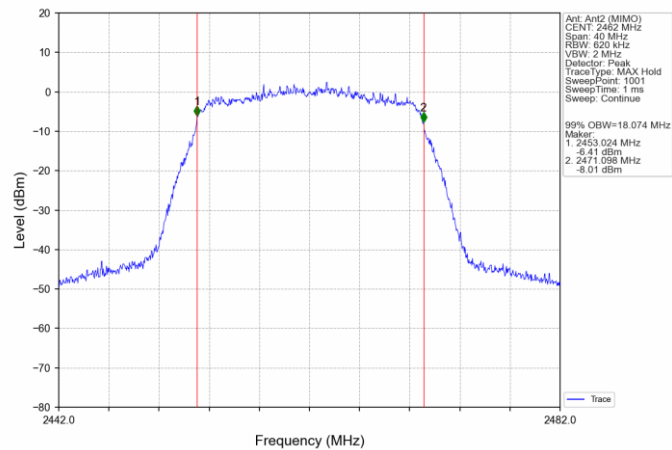
### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



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

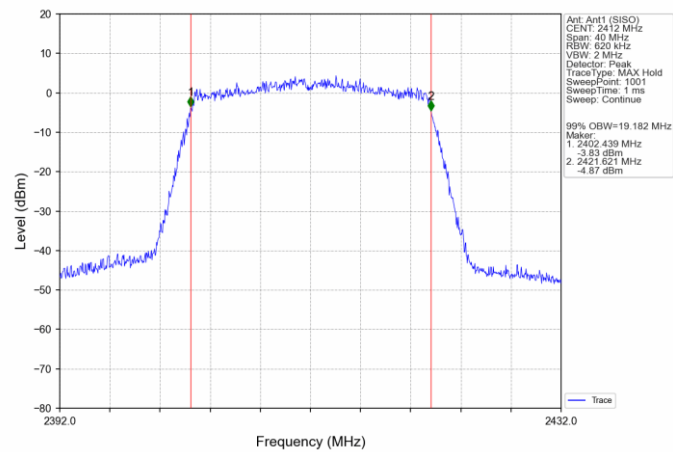


### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV

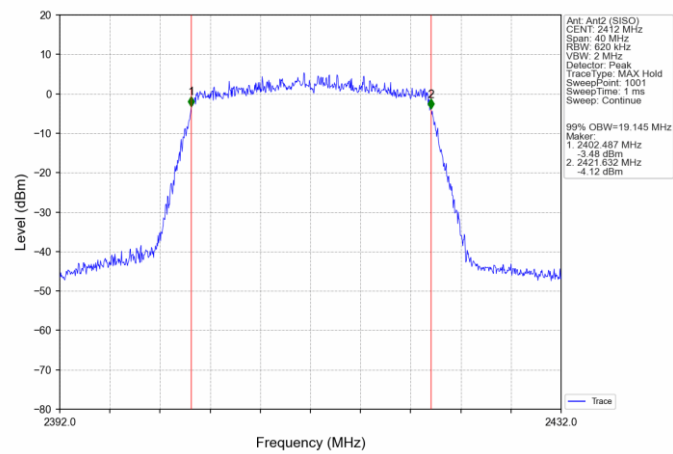




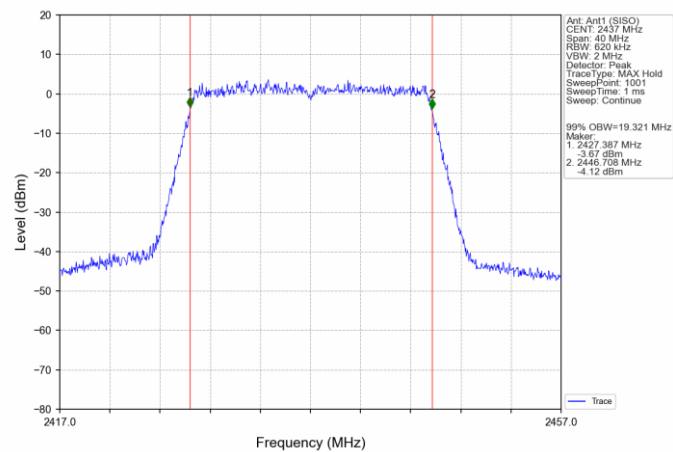
### 802.11ax(HEW20) LCH 2412MHz SU / \_Ant1 (SISO) NTN



### 802.11ax(HEW20) LCH 2412MHz SU / \_Ant2 (SISO) NTN

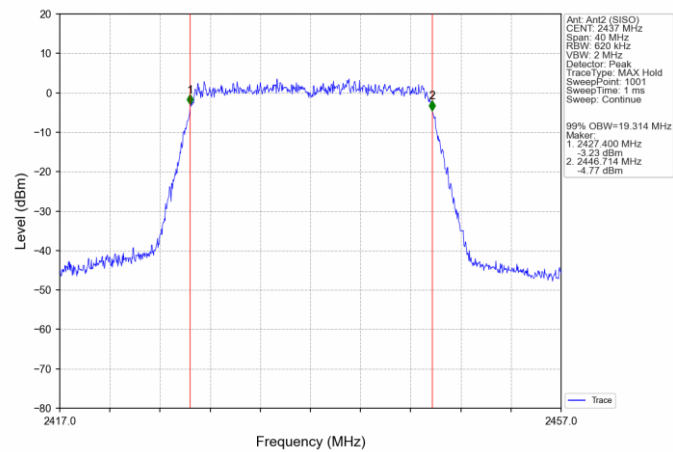


### 802.11ax(HEW20) MCH 2437MHz SU / Ant1 (SISO) NTN

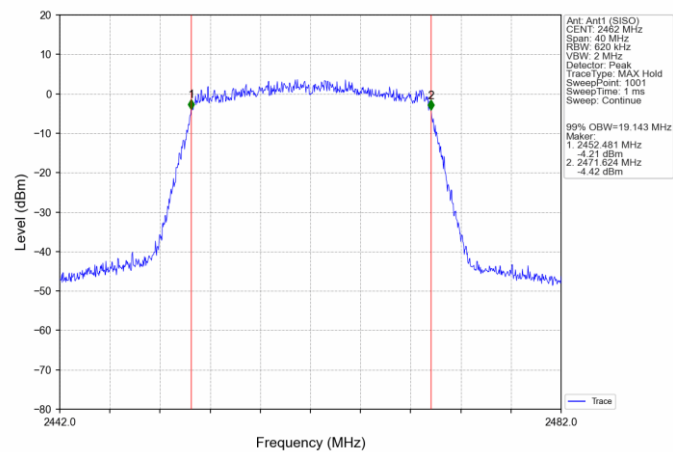




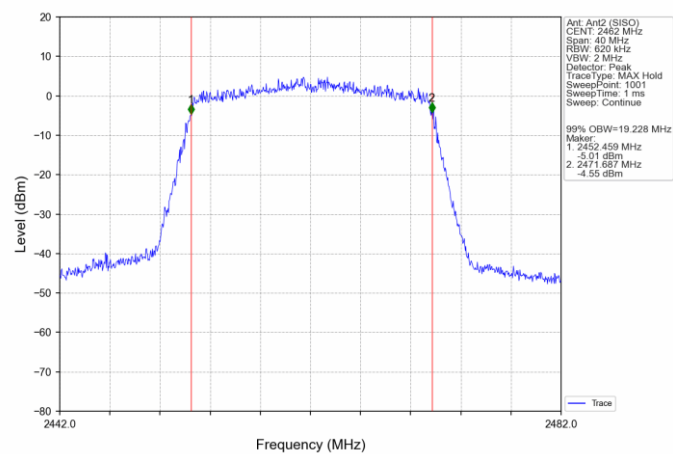
### 802.11ax(HEW20)\_MCH\_2437MHz\_SU\_/\_Ant2 (SISO)\_NTNV



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

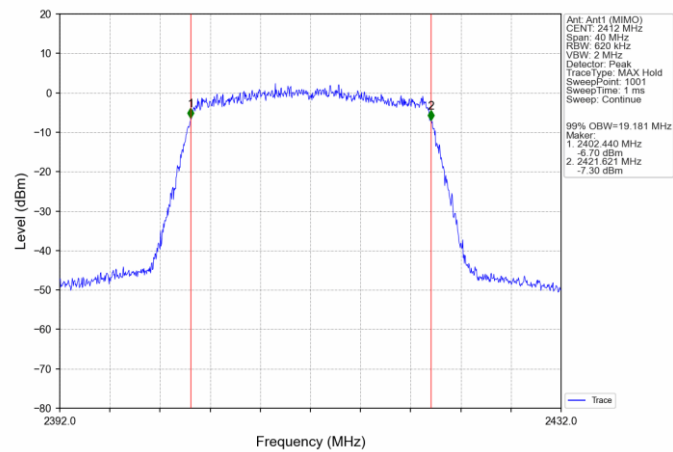


### 802.11ax(HEW20)\_HCH\_2462MHz\_SU\_/\_Ant2 (SISO)\_NTNV

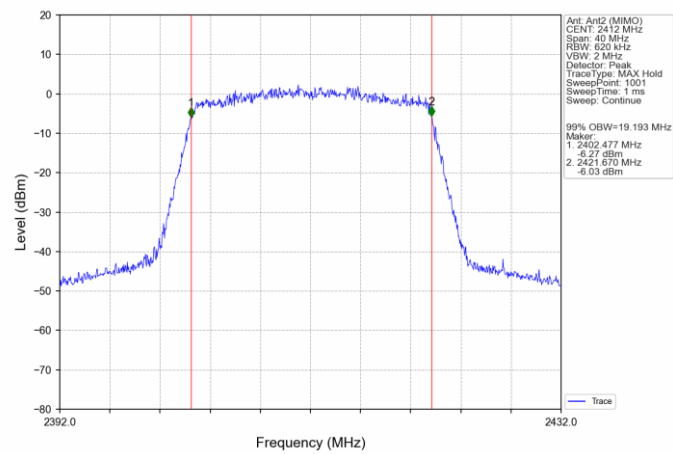




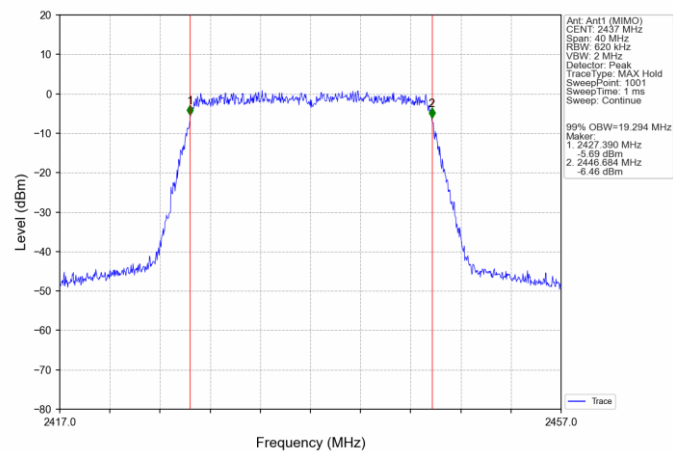
### 802.11ax(HEW20)\_LCH\_2412MHz\_SU / \_Ant1 (MIMO)\_NTNV



### 802.11ax(HEW20)\_LCH\_2412MHz\_SU / \_Ant2 (MIMO)\_NTNV

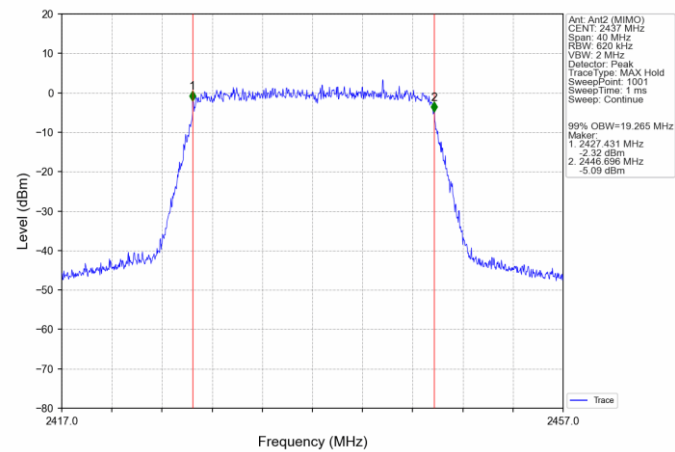


### 802.11ax(HEW20)\_MCH\_2437MHz\_SU / \_Ant1 (MIMO)\_NTNV

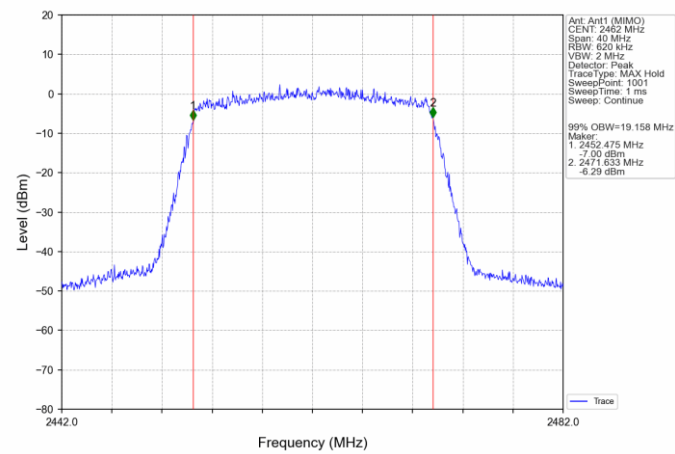




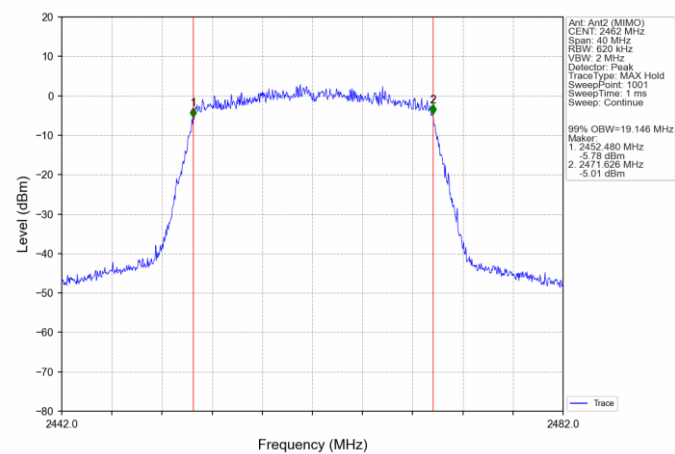
### 802.11ax(HEW20)\_MCH\_2437MHz\_SU\_/\_Ant2 (MIMO)\_NTNV



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



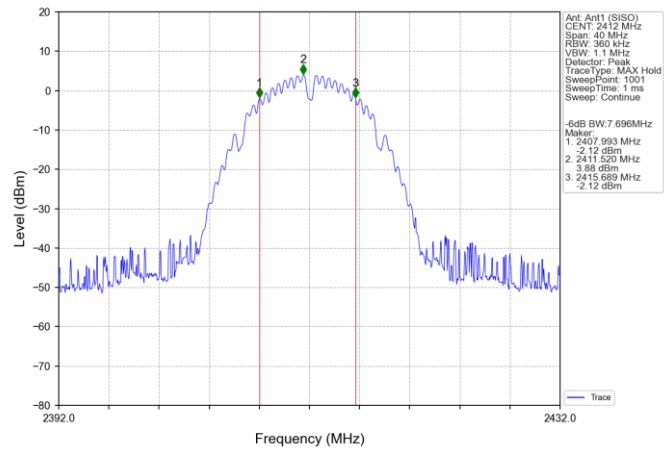
### 802.11ax(HEW20)\_HCH\_2462MHz\_SU\_/\_Ant2 (MIMO)\_NTNV



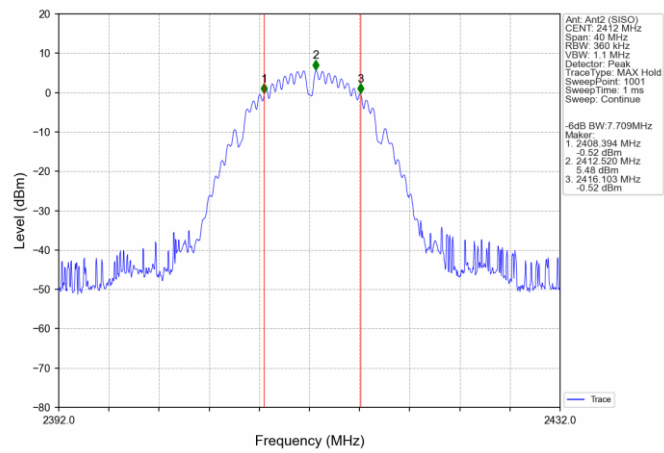


## 2.2.2 6dB BW

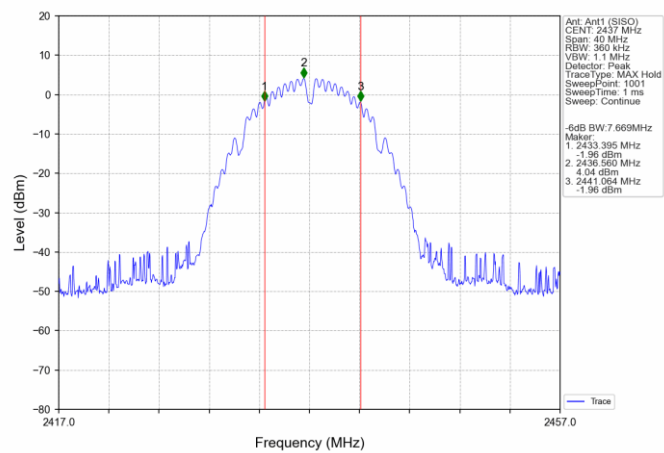
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

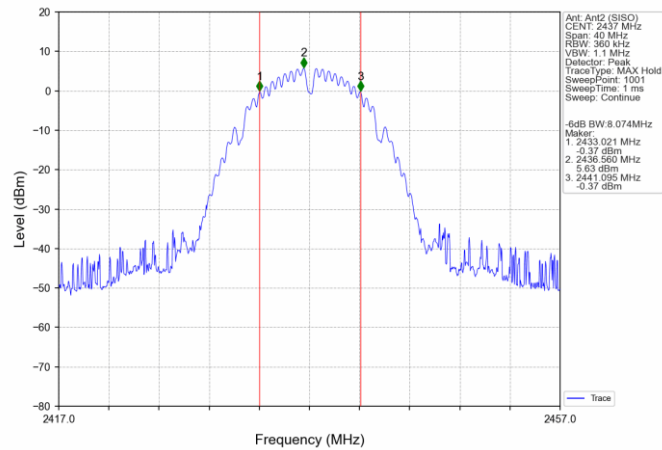


802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

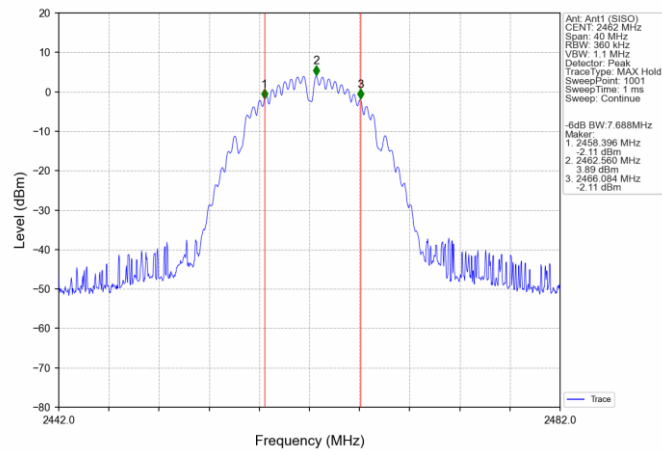




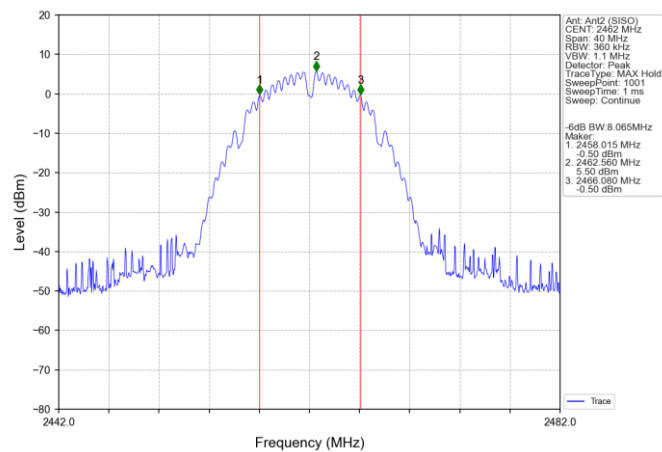
### 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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

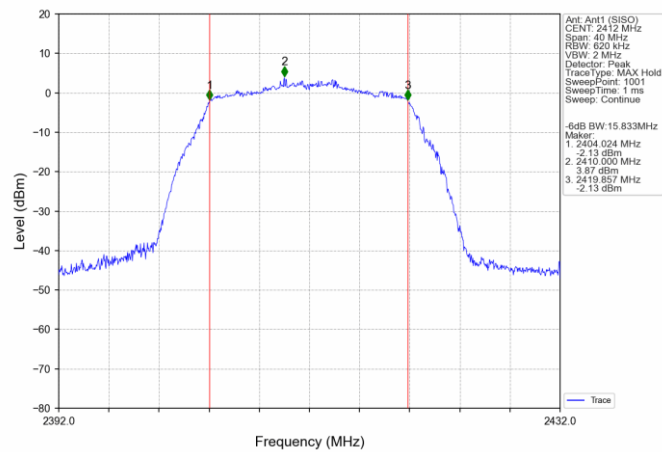


### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

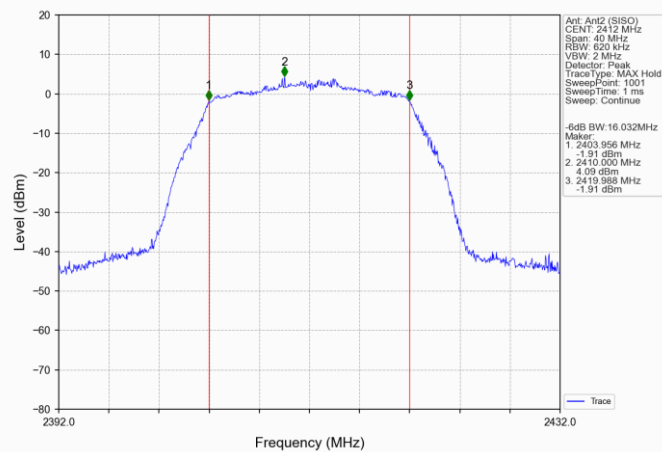




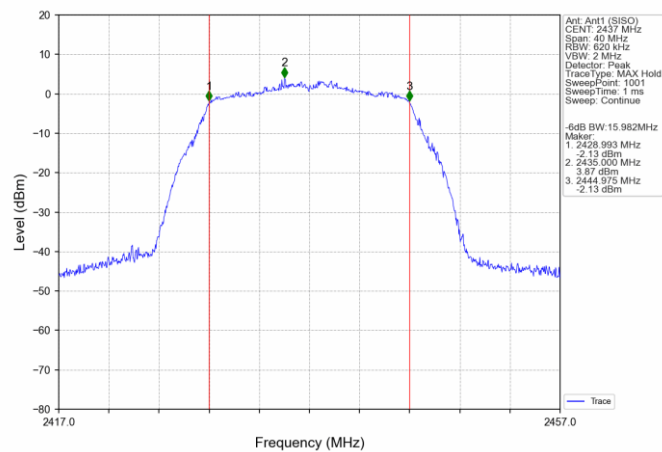
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

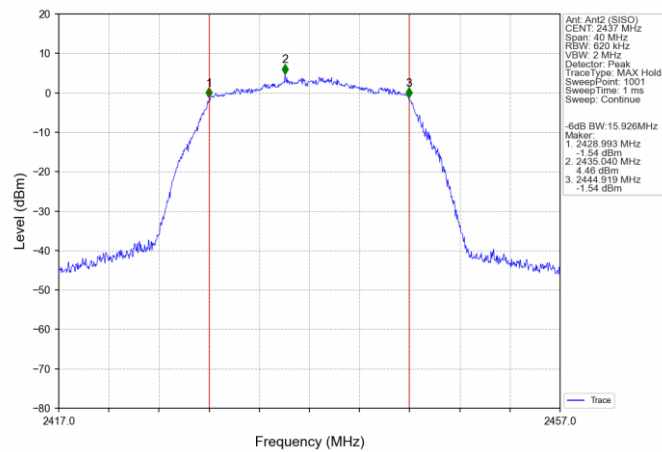


### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

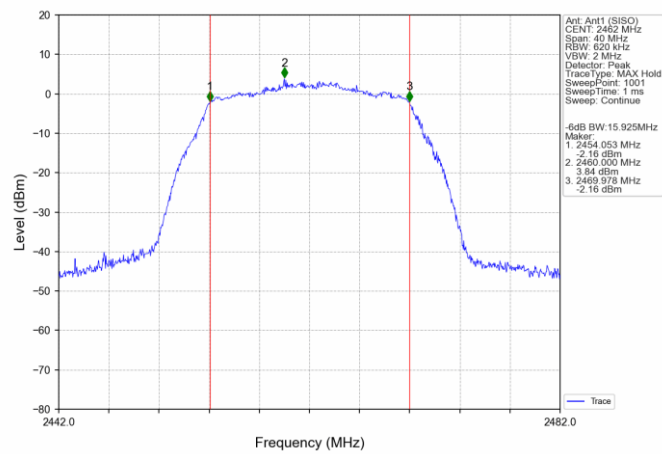




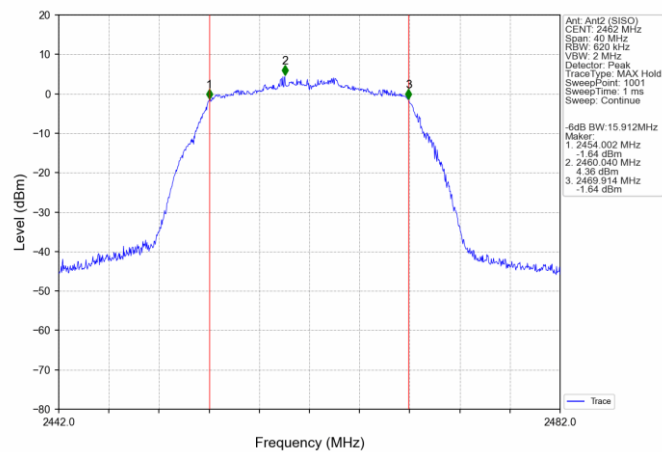
### 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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

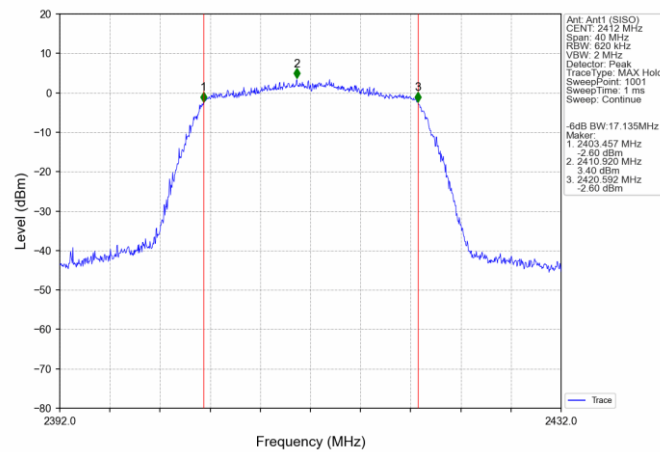


### 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

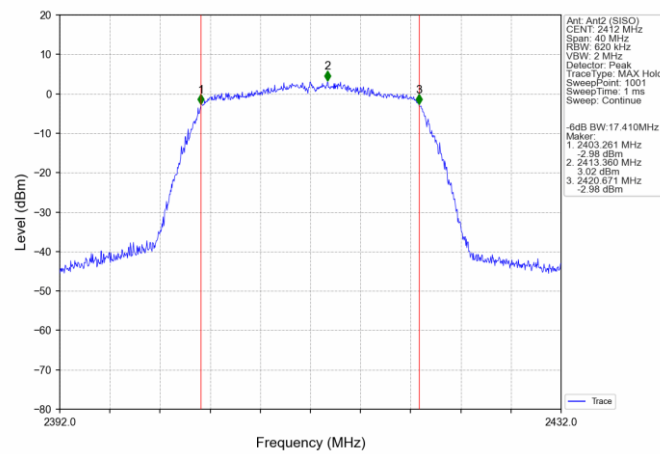




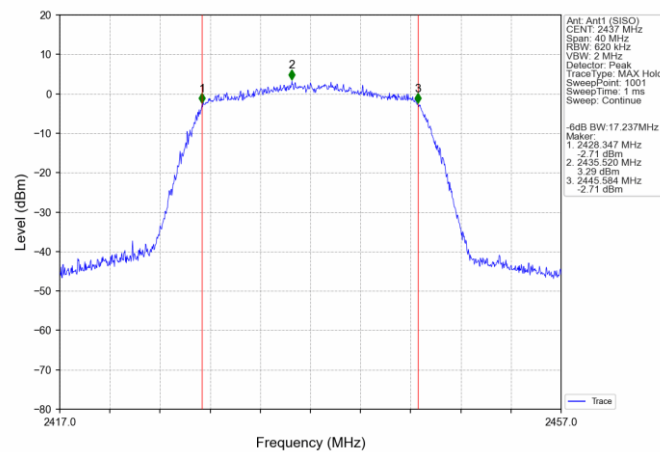
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

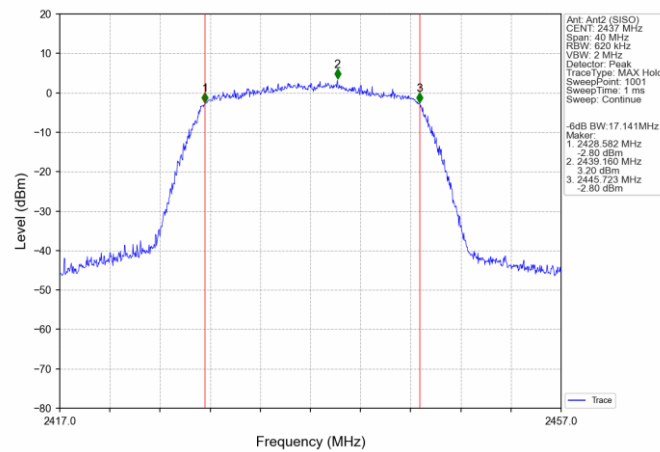


### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

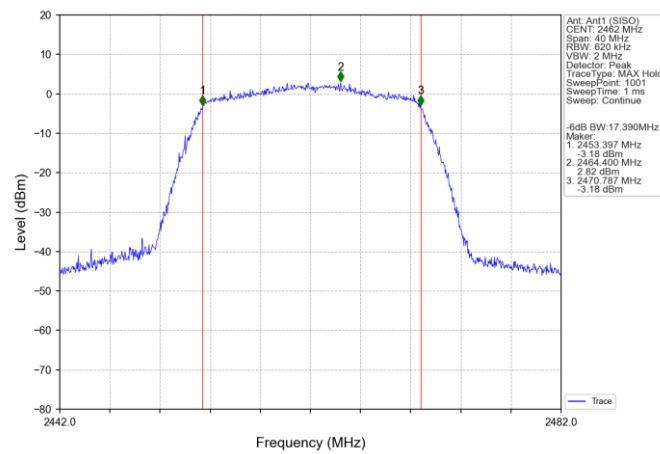




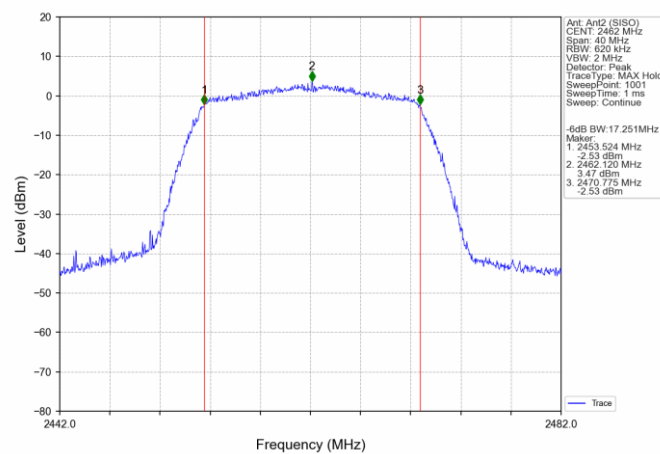
### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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

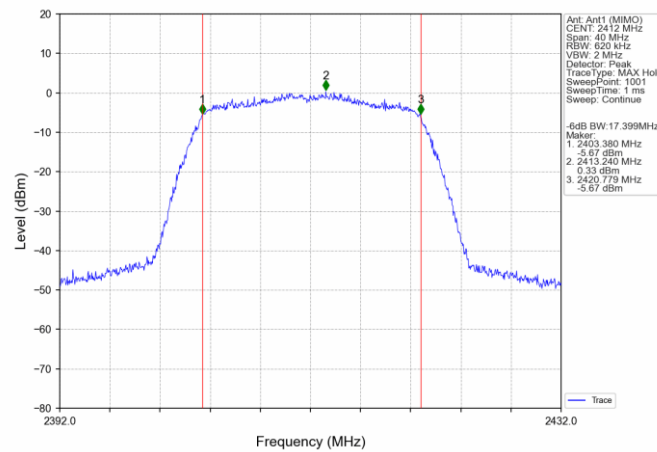


### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

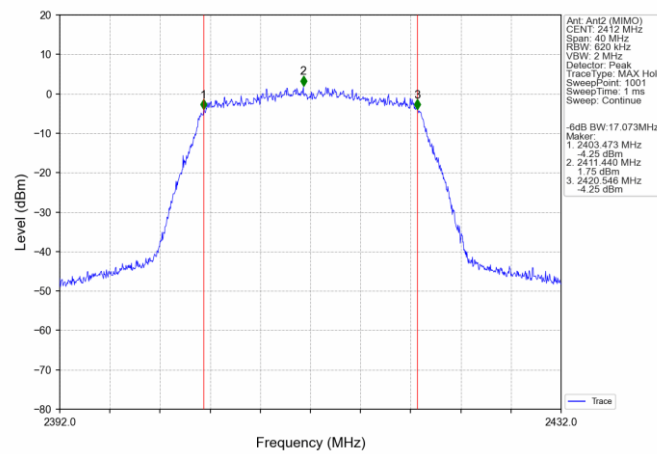




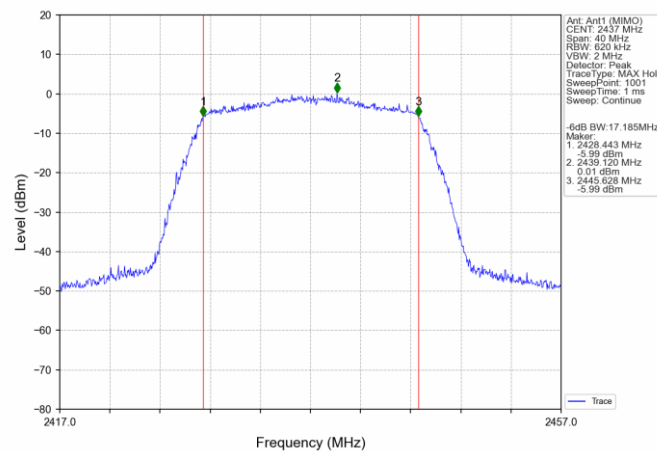
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

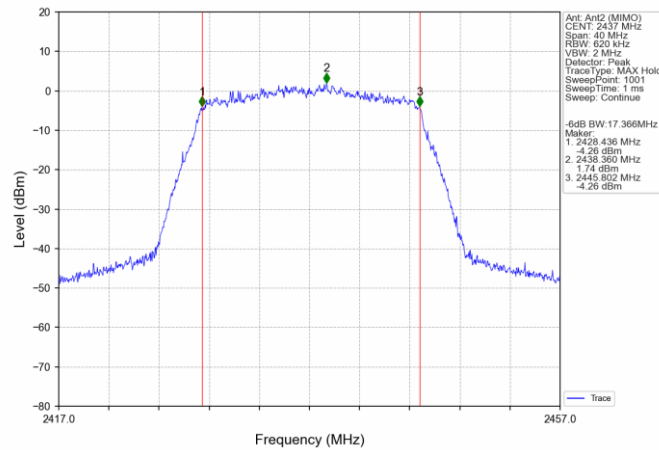


### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV

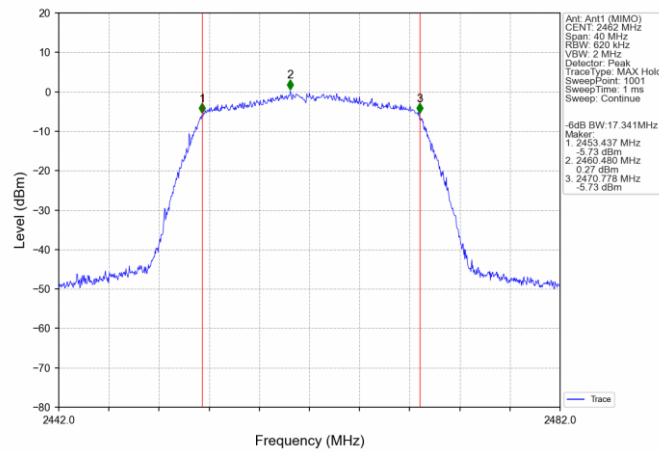




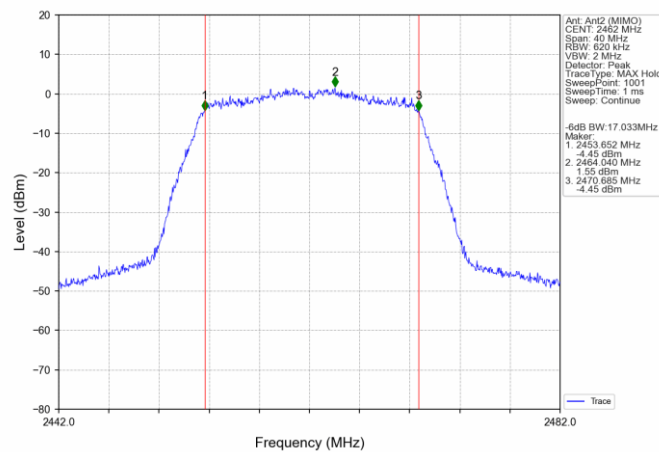
### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



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

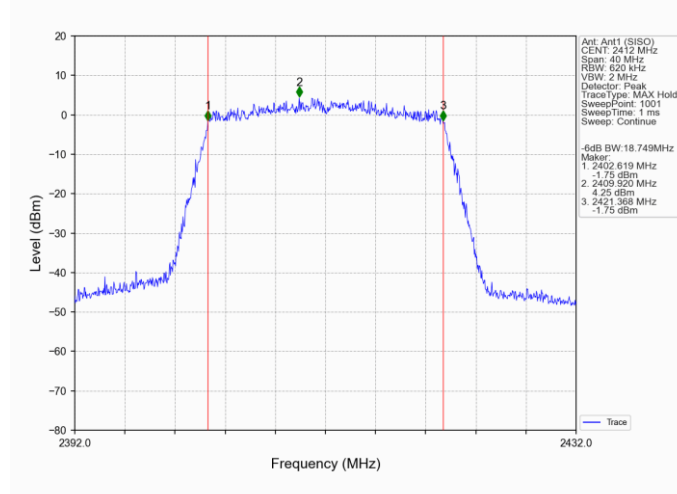


### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV

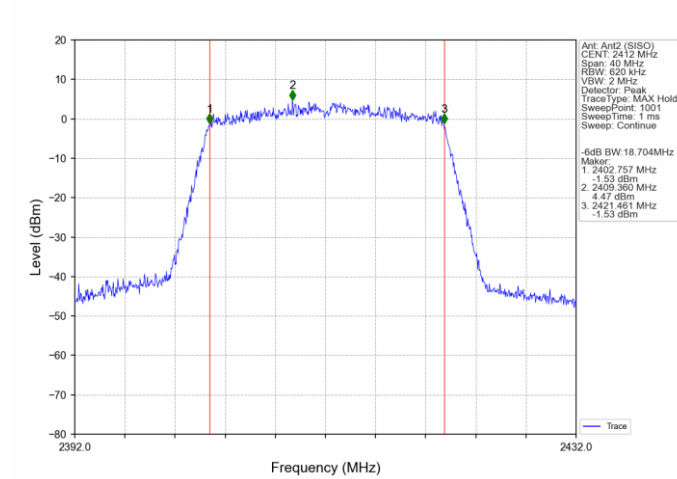




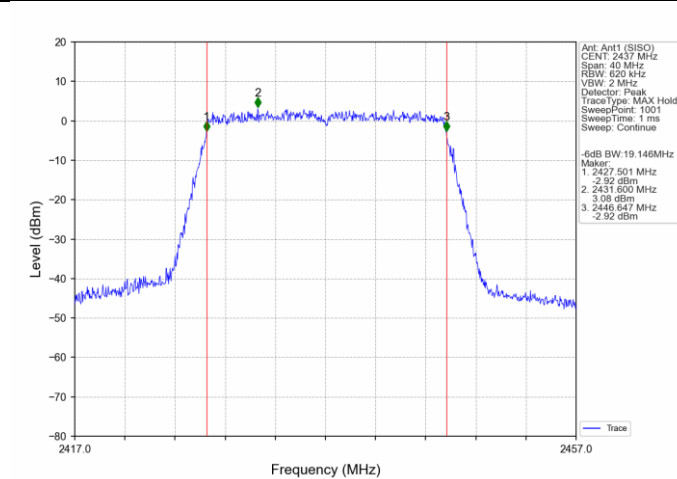
### 802.11ax(HEW20) LCH\_2412MHz\_SU\_ / \_Ant1 (SISO) NTN



### 802.11ax(HEW20) LCH\_2412MHz\_SU\_ / \_Ant2 (SISO) NTN

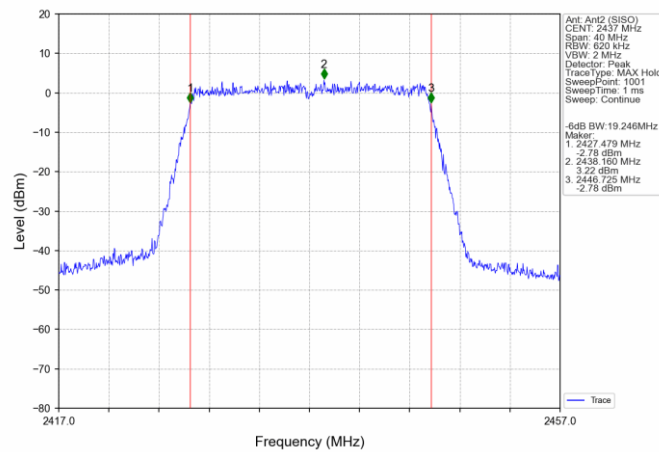


### 802.11ax(HEW20) MCH\_2437MHz\_SU\_ / \_Ant1 (SISO) NTN

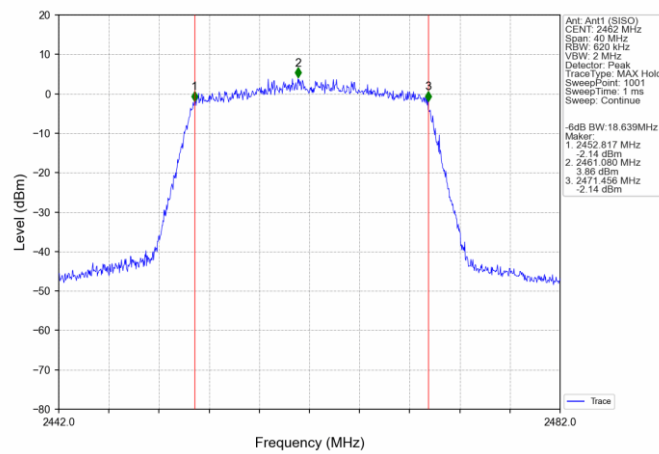




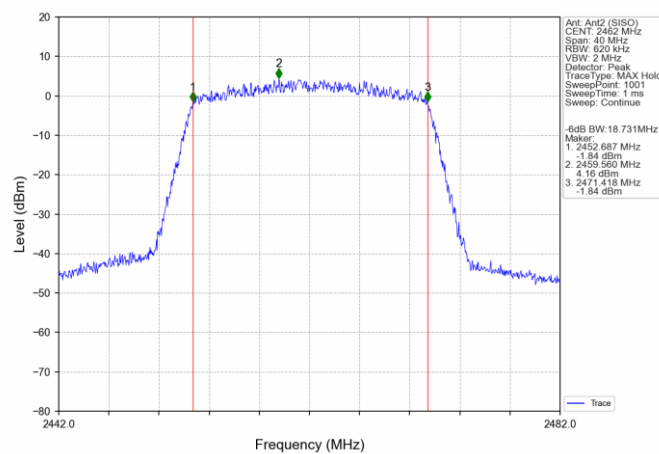
### 802.11ax(HEW20)\_MCH\_2437MHz\_SU\_/\_Ant2 (SISO)\_NTNV



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

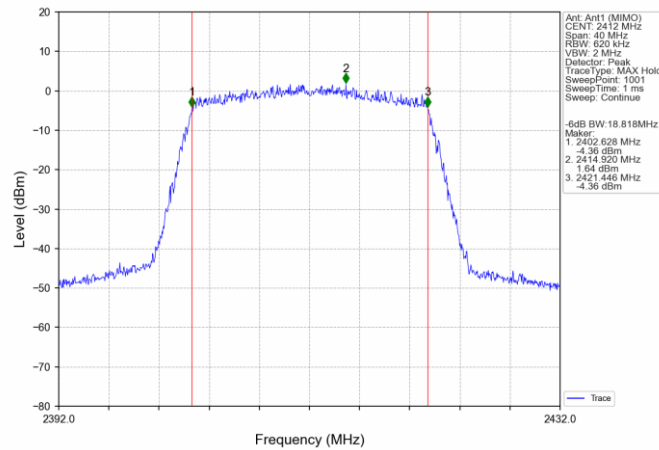


### 802.11ax(HEW20)\_HCH\_2462MHz\_SU\_/\_Ant2 (SISO)\_NTNV

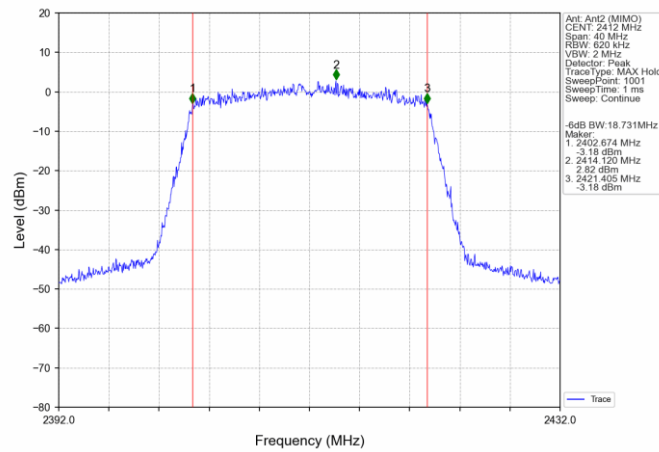




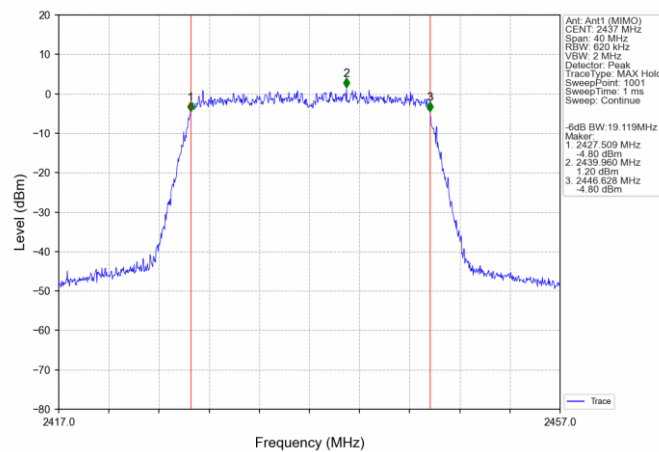
### 802.11ax(HEW20)\_LCH\_2412MHz\_SU / \_Ant1 (MIMO)\_NTNV



### 802.11ax(HEW20)\_LCH\_2412MHz\_SU / \_Ant2 (MIMO)\_NTNV

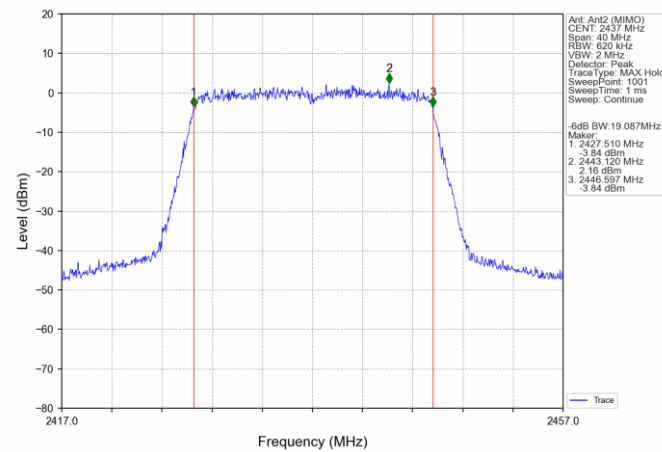


### 802.11ax(HEW20)\_MCH\_2437MHz\_SU / \_Ant1 (MIMO)\_NTNV

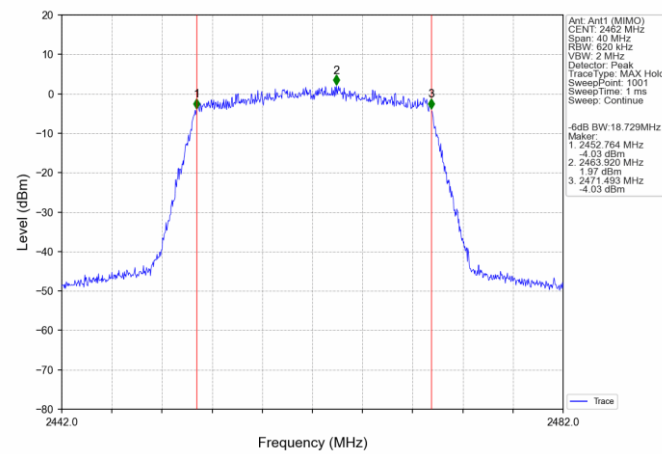




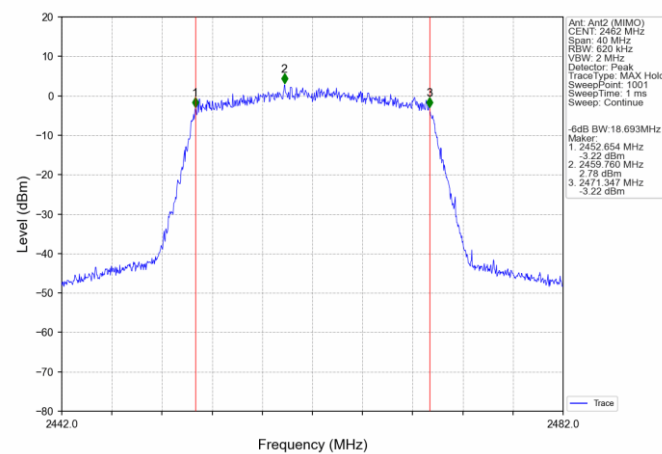
### 802.11ax(HEW20)\_MCH\_2437MHz\_SU\_/\_Ant2 (MIMO)\_NTNV



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



### 802.11ax(HEW20)\_HCH\_2462MHz\_SU\_/\_Ant2 (MIMO)\_NTNV





### 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                                      | ANT2  | MIMO  | Limit   |         |
| 802.11b                                                                                                                  | SISO    | 2412            | /  | /      | 16.26                                     | 17.72 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2437            | /  | /      | 16.45                                     | 15.49 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2462            | /  | /      | 16.24                                     | 15.37 | /     | <=30    | Pass    |
| 802.11g                                                                                                                  | SISO    | 2412            | /  | /      | 15.45                                     | 15.84 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2437            | /  | /      | 15.56                                     | 16.22 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2462            | /  | /      | 15.49                                     | 16.05 | /     | <=30    | Pass    |
| 802.11n (HT20)                                                                                                           | SISO    | 2412            | /  | /      | 15.57                                     | 15.60 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2437            | /  | /      | 15.33                                     | 15.33 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2462            | /  | /      | 15.41                                     | 15.69 | /     | <=30    | Pass    |
|                                                                                                                          | MIMO    | 2412            | /  | /      | 12.56                                     | 13.07 | 15.83 | <=28.98 | Pass    |
|                                                                                                                          |         | 2437            | /  | /      | 12.22                                     | 13.11 | 15.70 | <=28.98 | Pass    |
|                                                                                                                          |         | 2462            | /  | /      | 12.34                                     | 13.17 | 15.79 | <=28.98 | Pass    |
| 802.11ax (HEW20)                                                                                                         | SISO    | 2412            | SU | /      | 15.77                                     | 16.10 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2437            | SU | /      | 15.83                                     | 15.61 | /     | <=30    | Pass    |
|                                                                                                                          |         | 2462            | SU | /      | 15.28                                     | 16.07 | /     | <=30    | Pass    |
|                                                                                                                          | MIMO    | 2412            | SU | /      | 13.63                                     | 13.95 | 16.80 | <=28.98 | Pass    |
|                                                                                                                          |         | 2437            | SU | /      | 13.49                                     | 14.51 | 17.04 | <=28.98 | Pass    |
|                                                                                                                          |         | 2462            | SU | /      | 13.62                                     | 14.01 | 16.83 | <=28.98 | Pass    |
| Note1: Antenna Gain: Ant1: 4.04dBi; Ant2: 3.97dBi;<br>Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain) |         |                 |    |        |                                           |       |       |         |         |



#### 4. Maximum Power Spectral Density

##### 4.1 Test Result

##### 4.1.1 PSD

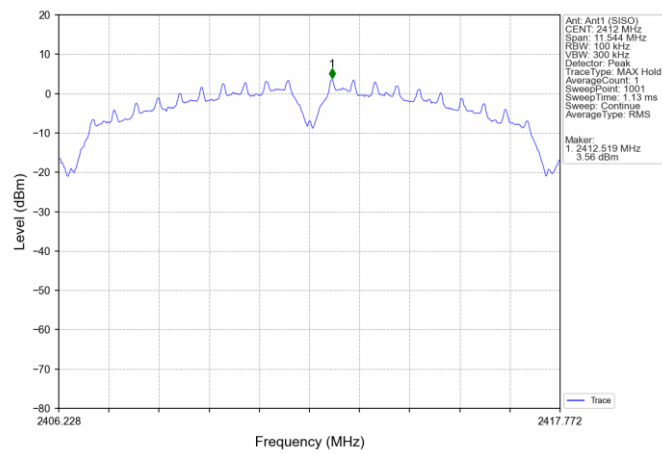
| Mode                                                               | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm) |       |       |        | Verdict |
|--------------------------------------------------------------------|---------|-----------------|----|--------|-------------------|-------|-------|--------|---------|
|                                                                    |         |                 |    |        | ANT1              | ANT2  | MIMO  | Limit  |         |
| 802.11b                                                            | SISO    | 2412            | /  | /      | 3.56              | 5.17  | /     | <=8    | Pass    |
|                                                                    |         | 2437            | /  | /      | 3.89              | 5.25  | /     | <=8    | Pass    |
|                                                                    |         | 2462            | /  | /      | 3.48              | 5.21  | /     | <=8    | Pass    |
| 802.11g                                                            | SISO    | 2412            | /  | /      | -4.21             | -3.27 | /     | <=8    | Pass    |
|                                                                    |         | 2437            | /  | /      | -3.79             | -3.10 | /     | <=8    | Pass    |
|                                                                    |         | 2462            | /  | /      | -3.68             | -3.06 | /     | <=8    | Pass    |
| 802.11n<br>(HT20)                                                  | SISO    | 2412            | /  | /      | -3.52             | -3.53 | /     | <=8    | Pass    |
|                                                                    |         | 2437            | /  | /      | -3.72             | -3.63 | /     | <=8    | Pass    |
|                                                                    |         | 2462            | /  | /      | -3.64             | -3.52 | /     | <=8    | Pass    |
|                                                                    | MIMO    | 2412            | /  | /      | -6.70             | -6.77 | -4.15 | <=6.98 | Pass    |
|                                                                    |         | 2437            | /  | /      | -6.71             | -6.69 | -3.72 | <=6.98 | Pass    |
|                                                                    |         | 2462            | /  | /      | -6.66             | -6.61 | -3.84 | <=6.98 | Pass    |
| 802.11ax<br>(HEW20)                                                | SISO    | 2412            | SU | /      | -5.10             | -4.65 | /     | <=8    | Pass    |
|                                                                    |         | 2437            | SU | /      | -5.08             | -5.23 | /     | <=8    | Pass    |
|                                                                    |         | 2462            | SU | /      | -5.44             | -4.62 | /     | <=8    | Pass    |
|                                                                    | MIMO    | 2412            | SU | /      | -7.24             | -7.20 | -4.21 | <=6.98 | Pass    |
|                                                                    |         | 2437            | SU | /      | -7.54             | -6.80 | -4.19 | <=6.98 | Pass    |
|                                                                    |         | 2462            | SU | /      | -7.01             | -6.99 | -4.02 | <=6.98 | Pass    |
| Note1: Antenna Gain: Ant1: 4.04dBi; Ant2: 3.97dBi;                 |         |                 |    |        |                   |       |       |        |         |
| Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain) |         |                 |    |        |                   |       |       |        |         |



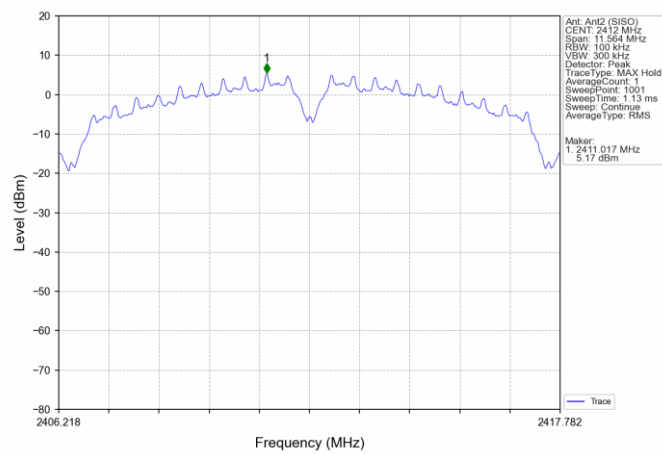
## 4.2 Test Graph

### 4.2.1 PSD

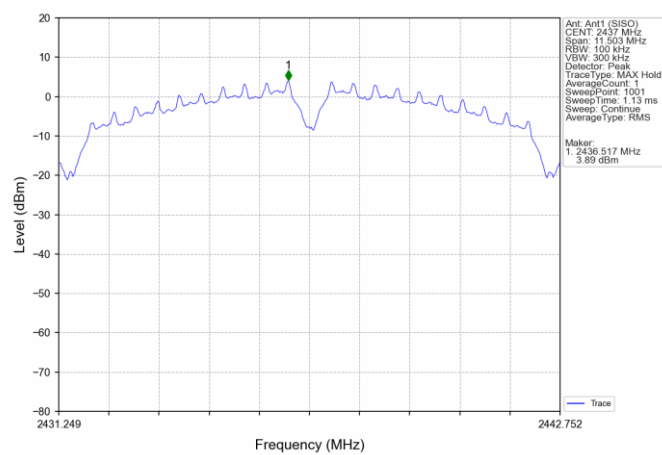
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

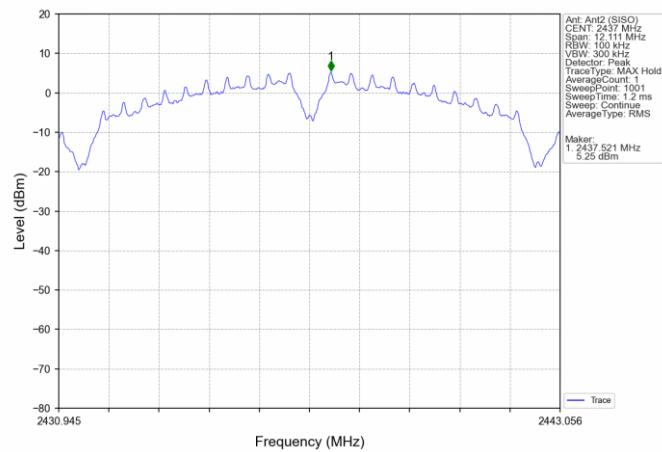


802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

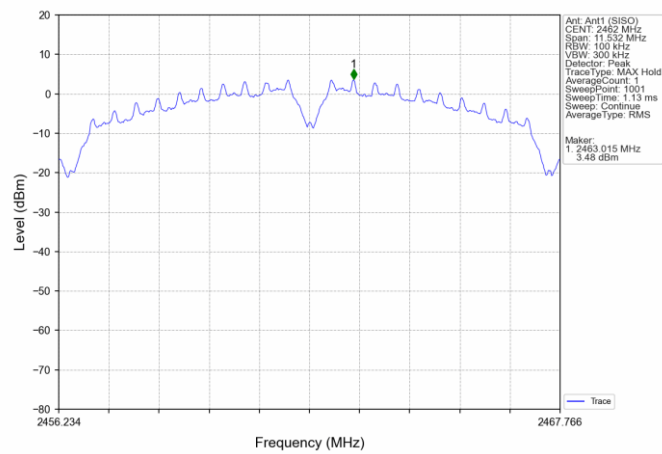




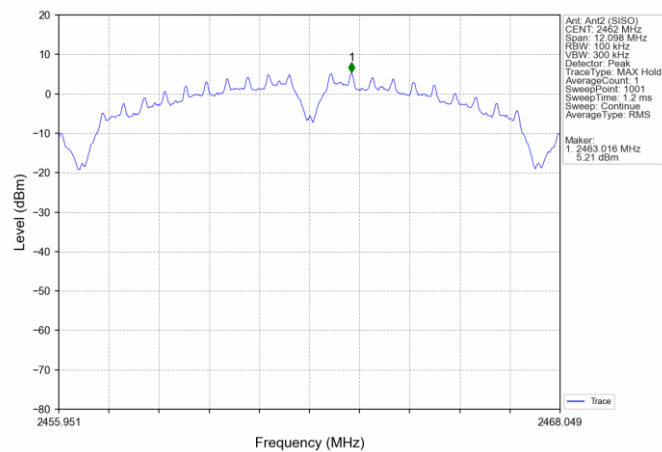
### 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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

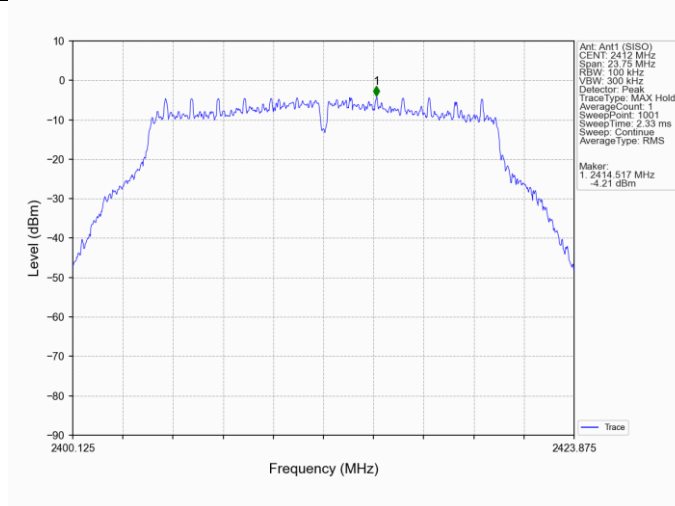


### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

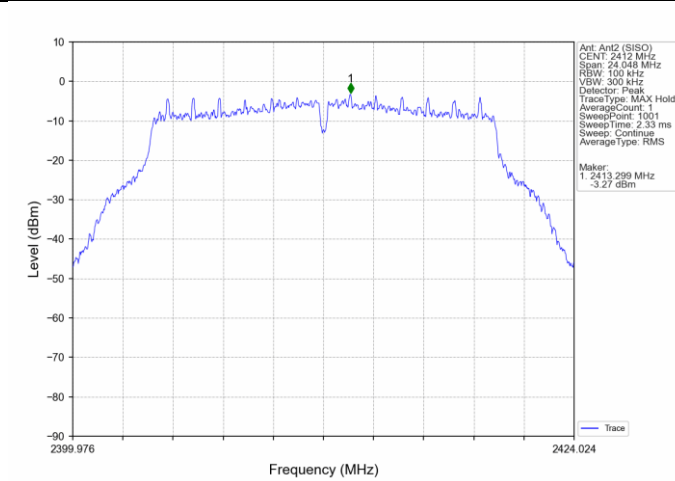




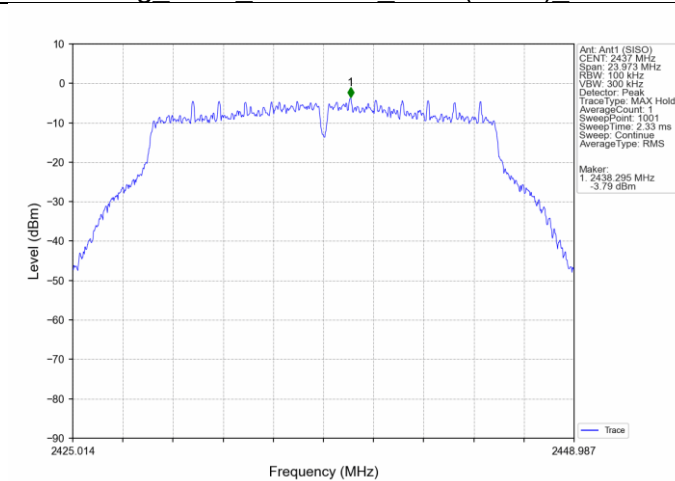
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

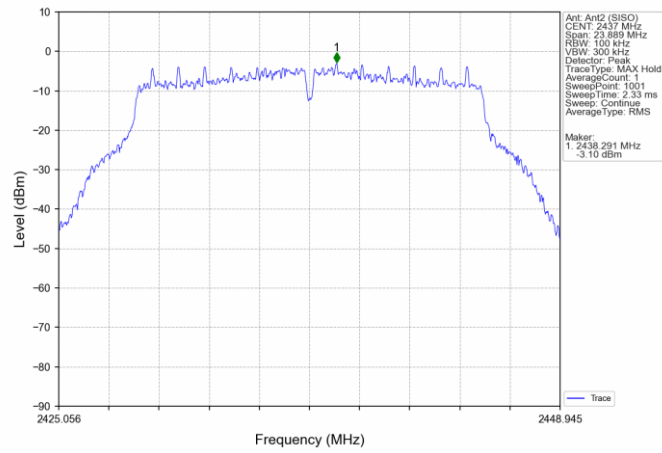


### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

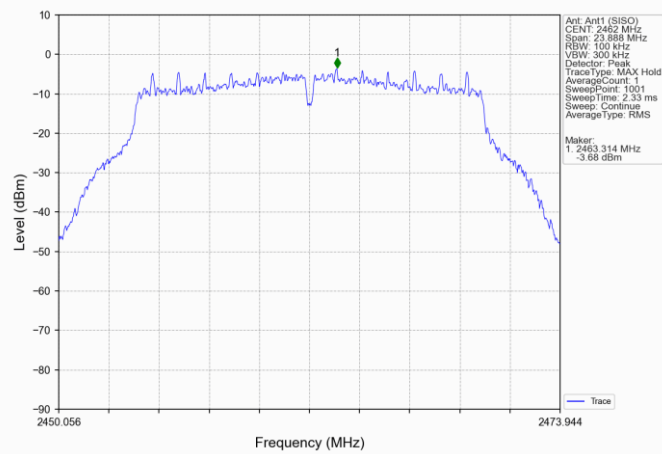




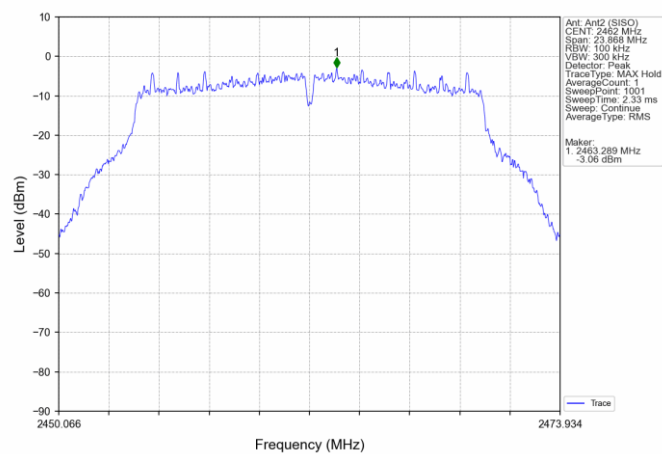
### 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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

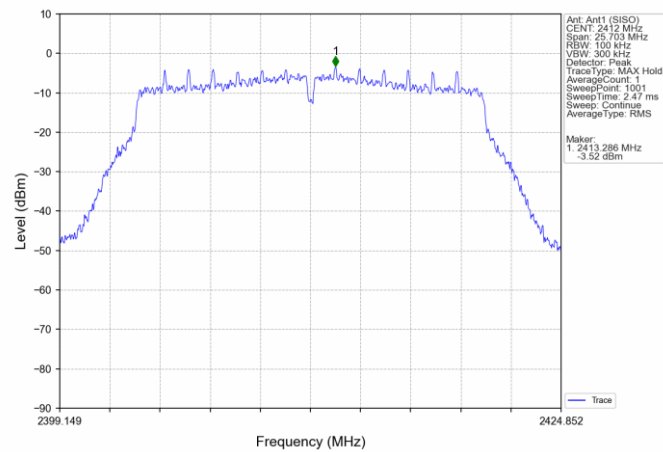


### 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

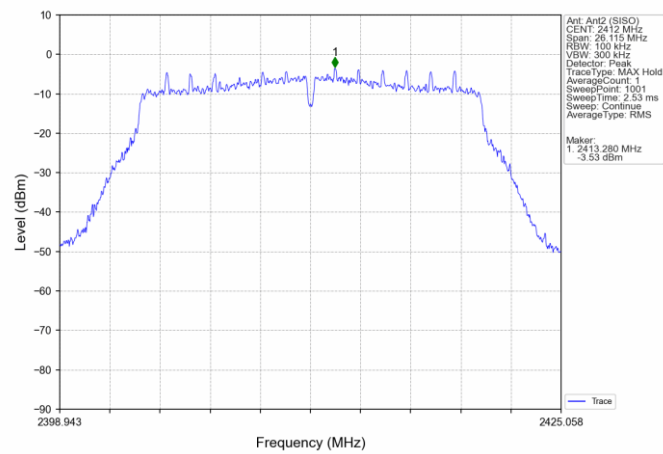




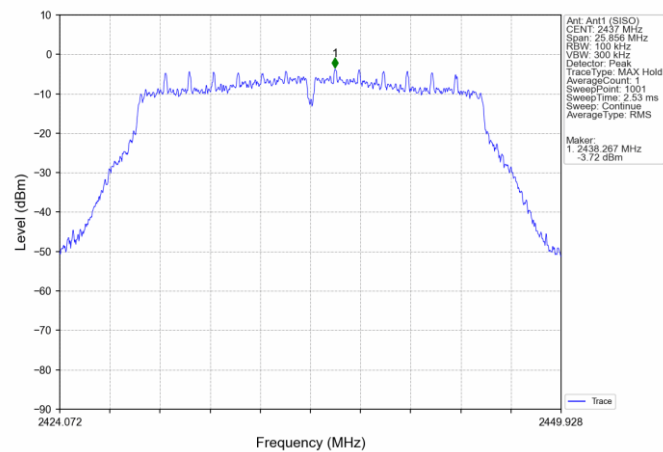
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

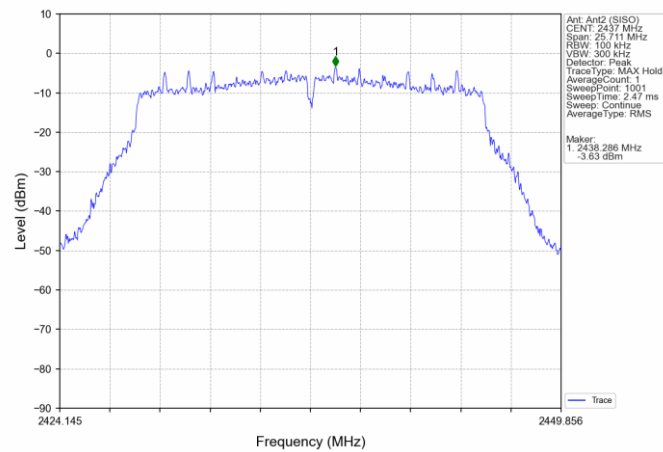


### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

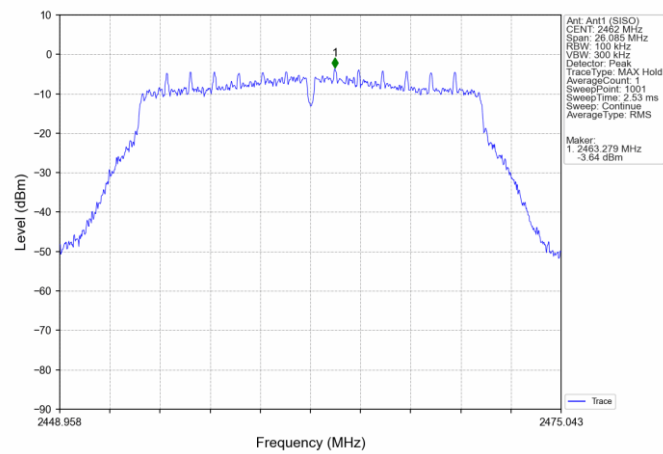




### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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



### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

