

## 1. Duty Cycle

### 1.1 Test Result

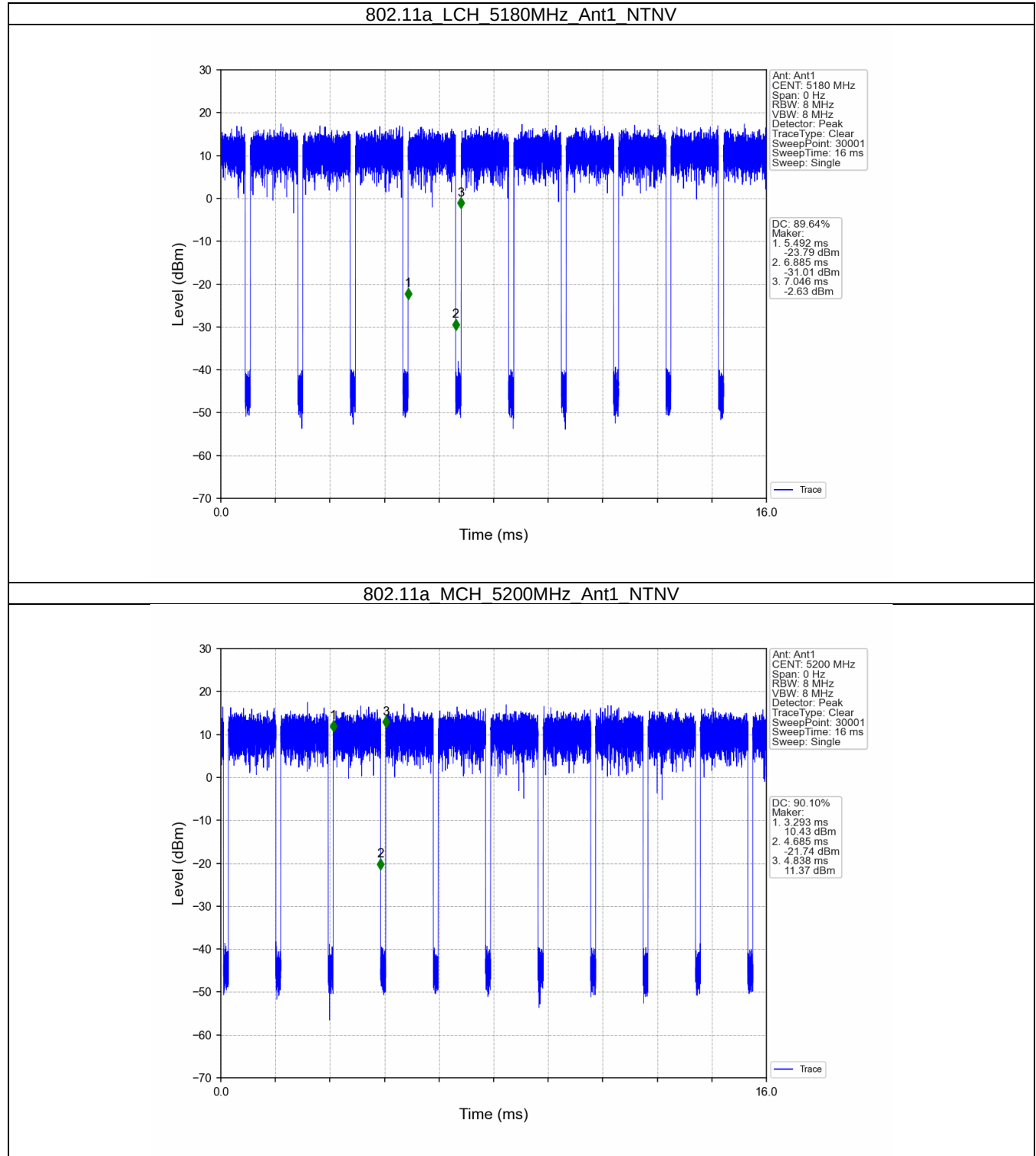
#### 1.1.1 Ant1

| Ant1             |         |                 |    |        |           |             |                |                                   |                       |
|------------------|---------|-----------------|----|--------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode             | Tx Type | Frequency (MHz) | RU | RU Pos | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11a          | SISO    | 5180            | /  | /      | 1.393     | 1.554       | 89.64          | 0.47                              | 1.06                  |
|                  |         | 5200            | /  | /      | 1.392     | 1.545       | 90.10          | 0.45                              | 0.53                  |
|                  |         | 5240            | /  | /      | 1.393     | 1.563       | 89.12          | 0.50                              | 1.61                  |
|                  |         | 5745            | /  | /      | 1.393     | 1.554       | 89.64          | 0.47                              | 1.09                  |
|                  |         | 5785            | /  | /      | 1.393     | 1.545       | 90.16          | 0.45                              | 1.07                  |
|                  |         | 5825            | /  | /      | 1.392     | 1.554       | 89.58          | 0.48                              | 1.06                  |
| 802.11n (HT20)   | SISO    | 5180            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.21                  |
|                  |         | 5200            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.21                  |
|                  |         | 5240            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.19                  |
|                  |         | 5745            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.21                  |
|                  |         | 5785            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.22                  |
|                  |         | 5825            | /  | /      | 1.174     | 1.327       | 88.47          | 0.53                              | 0.64                  |
| 802.11n (HT40)   | SISO    | 5190            | /  | /      | 0.588     | 0.784       | 75.00          | 1.25                              | 5.56                  |
|                  |         | 5230            | /  | /      | 0.588     | 1.251       | 47.00          | 3.28                              | 33.54                 |
|                  |         | 5755            | /  | /      | 0.587     | 0.738       | 79.54          | 0.99                              | 1.00                  |
|                  |         | 5795            | /  | /      | 0.587     | 0.748       | 78.48          | 1.05                              | 1.93                  |
| 802.11n (HT20)   | MIMO    | 5180            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.25                  |
|                  |         | 5200            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.18                  |
|                  |         | 5240            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.19                  |
|                  |         | 5745            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.19                  |
|                  |         | 5785            | /  | /      | 1.175     | 1.345       | 87.36          | 0.59                              | 1.81                  |
|                  |         | 5825            | /  | /      | 1.174     | 1.336       | 87.87          | 0.56                              | 1.21                  |
| 802.11n (HT40)   | MIMO    | 5190            | /  | /      | 0.587     | 0.739       | 79.43          | 1.00                              | 1.00                  |
|                  |         | 5230            | /  | /      | 0.587     | 0.748       | 78.48          | 1.05                              | 1.94                  |
|                  |         | 5755            | /  | /      | 0.588     | 0.757       | 77.68          | 1.10                              | 2.85                  |
|                  |         | 5795            | /  | /      | 0.588     | 0.757       | 77.68          | 1.10                              | 2.91                  |
| 802.11ac (VHT20) | SISO    | 5180            | /  | /      | 1.185     | 1.337       | 88.63          | 0.52                              | 0.63                  |
|                  |         | 5200            | /  | /      | 1.186     | 1.356       | 87.46          | 0.58                              | 1.82                  |
|                  |         | 5240            | /  | /      | 1.186     | 1.347       | 88.05          | 0.55                              | 1.21                  |
|                  |         | 5745            | /  | /      | 1.185     | 1.365       | 86.81          | 0.61                              | 2.35                  |
|                  |         | 5785            | /  | /      | 1.185     | 1.347       | 87.97          | 0.56                              | 1.81                  |
|                  |         | 5825            | /  | /      | 1.186     | 1.348       | 87.98          | 0.56                              | 1.21                  |
| 802.11ac (VHT40) | SISO    | 5190            | /  | /      | 0.592     | 0.752       | 78.72          | 1.04                              | 1.96                  |
|                  |         | 5230            | /  | /      | 0.591     | 0.752       | 78.59          | 1.05                              | 1.94                  |
|                  |         | 5755            | /  | /      | 0.592     | 0.752       | 78.72          | 1.04                              | 1.93                  |
|                  |         | 5795            | /  | /      | 0.591     | 0.752       | 78.59          | 1.05                              | 1.96                  |
| 802.11ac (VHT80) | SISO    | 5210            | /  | /      | 0.297     | 0.448       | 66.29          | 1.79                              | 2.77                  |
|                  |         | 5775            | /  | /      | 0.296     | 0.457       | 64.77          | 1.89                              | 2.67                  |
| 802.11ac (VHT20) | MIMO    | 5180            | /  | /      | 1.186     | 1.347       | 88.05          | 0.55                              | 1.21                  |
|                  |         | 5200            | /  | /      | 1.186     | 1.348       | 87.98          | 0.56                              | 1.21                  |
|                  |         | 5240            | /  | /      | 1.186     | 1.347       | 88.05          | 0.55                              | 1.21                  |
|                  |         | 5745            | /  | /      | 1.185     | 1.347       | 87.97          | 0.56                              | 1.17                  |
|                  |         | 5785            | /  | /      | 1.186     | 1.347       | 88.05          | 0.55                              | 1.21                  |
|                  |         | 5825            | /  | /      | 1.186     | 1.347       | 88.05          | 0.55                              | 1.21                  |
| 802.11ac (VHT40) | MIMO    | 5190            | /  | /      | 0.592     | 0.758       | 78.10          | 1.07                              | 2.59                  |
|                  |         | 5230            | /  | /      | 0.592     | 0.752       | 78.72          | 1.04                              | 1.93                  |
|                  |         | 5755            | /  | /      | 0.591     | 0.752       | 78.59          | 1.05                              | 1.93                  |

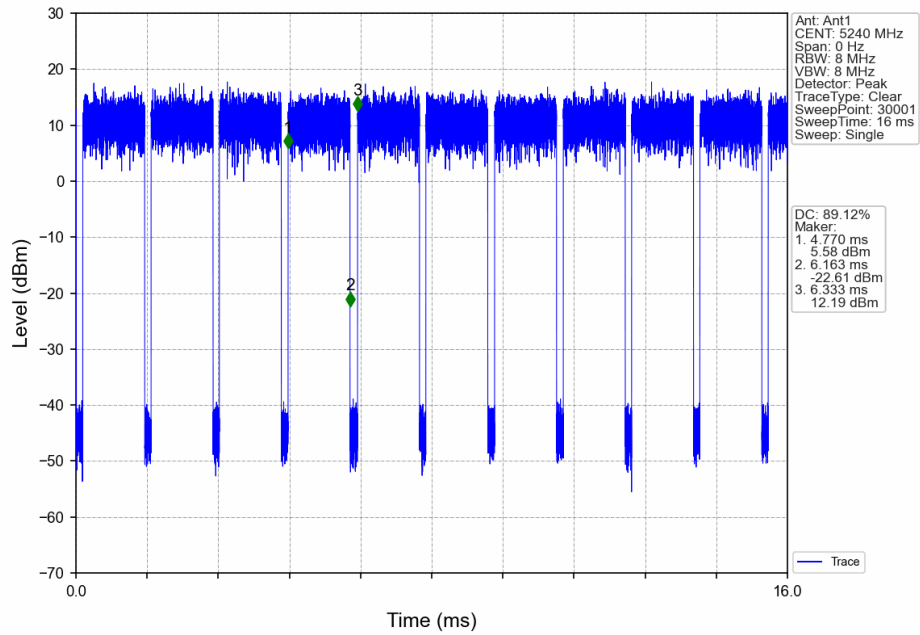
|                     |      |      |       |      |       |       |       |      |       |
|---------------------|------|------|-------|------|-------|-------|-------|------|-------|
|                     |      | 5795 | /     | /    | 0.592 | 0.743 | 79.68 | 0.99 | 0.99  |
| 802.11ac<br>(VHT80) | MIMO | 5210 | /     | /    | 0.296 | 0.466 | 63.52 | 1.97 | 3.92  |
|                     |      | 5775 | /     | /    | 0.296 | 0.448 | 66.07 | 1.80 | 1.39  |
| 802.11ax<br>(HEW20) | SISO | 5180 | RU242 | Left | 1.185 | 1.346 | 88.04 | 0.55 | 1.17  |
|                     |      | 5200 | RU242 | Left | 1.186 | 1.347 | 88.05 | 0.55 | 1.21  |
|                     |      | 5240 | RU242 | Left | 1.185 | 1.347 | 87.97 | 0.56 | 1.17  |
|                     |      | 5745 | RU242 | Left | 1.185 | 1.347 | 87.97 | 0.56 | 1.21  |
|                     |      | 5785 | RU242 | Left | 1.186 | 1.347 | 88.05 | 0.55 | 1.21  |
|                     |      | 5825 | RU242 | Left | 1.186 | 1.347 | 88.05 | 0.55 | 1.21  |
| 802.11ax<br>(HEW40) | SISO | 5190 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.94  |
|                     |      | 5230 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.96  |
|                     |      | 5755 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.98  |
|                     |      | 5795 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.95  |
| 802.11ax<br>(HEW80) | SISO | 5210 | RU996 | Left | 0.297 | 0.448 | 66.29 | 1.79 | 1.38  |
|                     |      | 5775 | RU996 | Left | 0.296 | 0.448 | 66.07 | 1.80 | 1.38  |
| 802.11ax<br>(HEW20) | MIMO | 5180 | RU242 | Left | 1.185 | 1.347 | 87.97 | 0.56 | 1.21  |
|                     |      | 5200 | RU242 | Left | 1.186 | 1.348 | 87.98 | 0.56 | 1.20  |
|                     |      | 5240 | RU242 | Left | 1.186 | 1.347 | 88.05 | 0.55 | 1.21  |
|                     |      | 5745 | RU242 | Left | 1.185 | 1.347 | 87.97 | 0.56 | 1.21  |
|                     |      | 5785 | RU242 | Left | 1.186 | 1.648 | 71.97 | 1.43 | 17.29 |
| 802.11ax<br>(HEW40) | MIMO | 5825 | RU242 | Left | 1.185 | 1.347 | 87.97 | 0.56 | 1.21  |
|                     |      | 5190 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.98  |
|                     |      | 5230 | RU484 | Left | 0.592 | 0.752 | 78.72 | 1.04 | 1.95  |
|                     |      | 5755 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.96  |
| 802.11ax<br>(HEW80) | MIMO | 5795 | RU484 | Left | 0.591 | 0.752 | 78.59 | 1.05 | 1.93  |
|                     |      | 5210 | RU996 | Left | 0.297 | 0.448 | 66.29 | 1.79 | 1.40  |
|                     |      | 5775 | RU996 | Left | 0.296 | 0.439 | 67.43 | 1.71 | 1.42  |

## 1.2 Test Graph

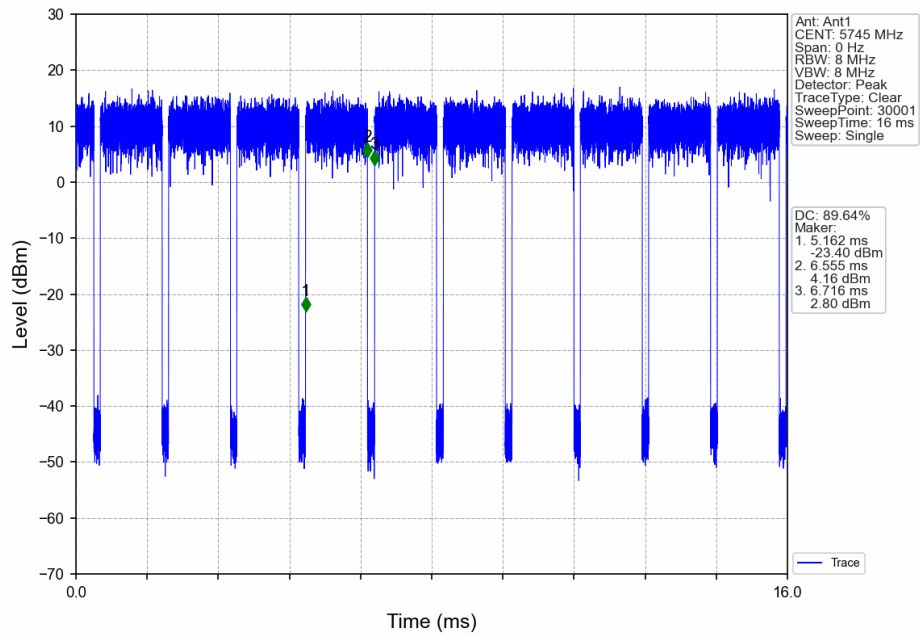
### 1.2.1 Ant1



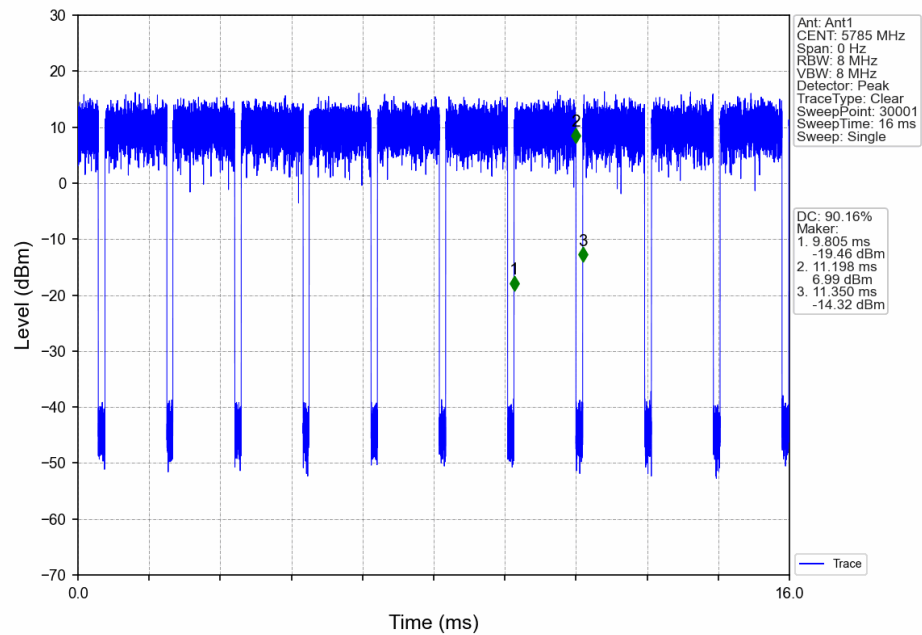
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



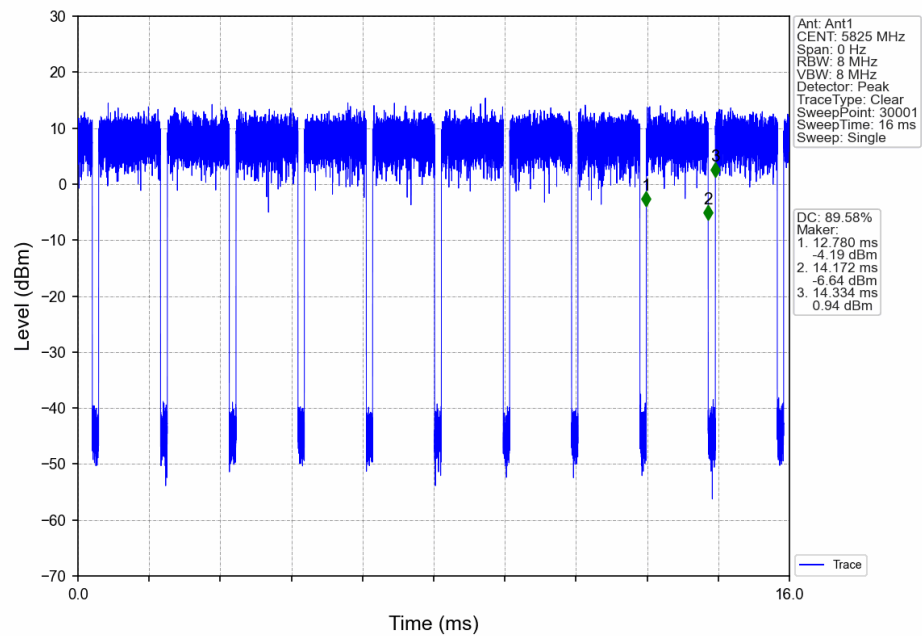
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



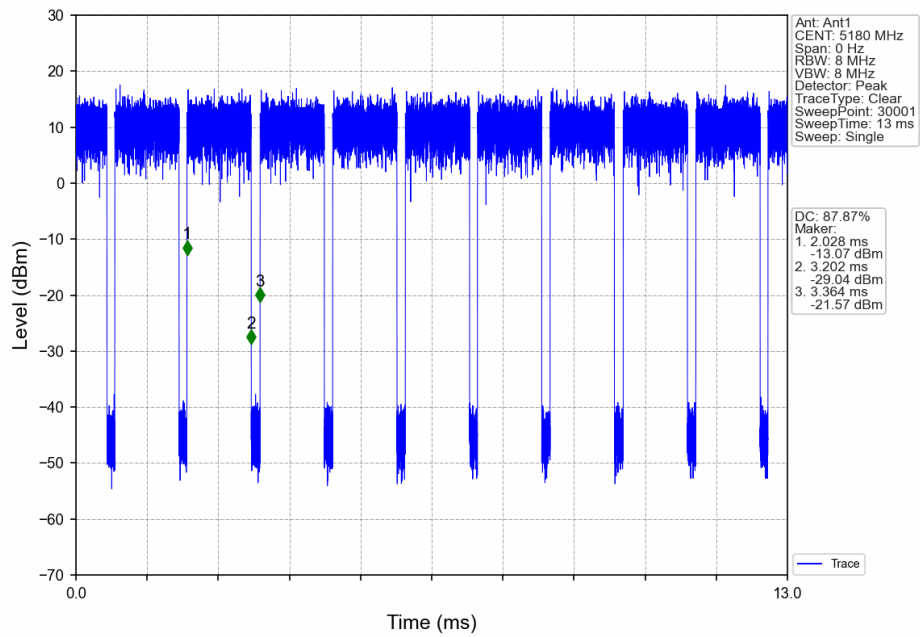
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



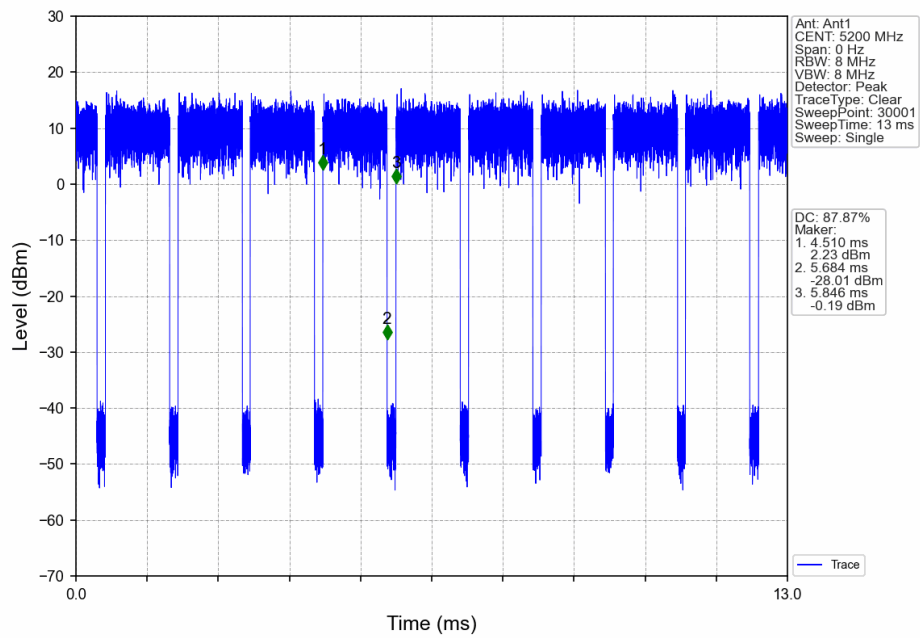
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



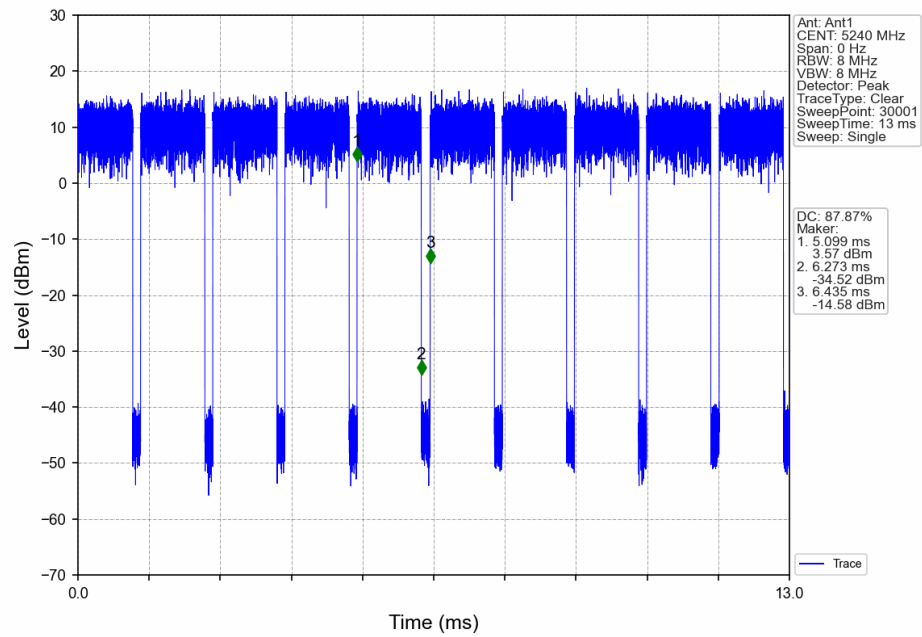
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



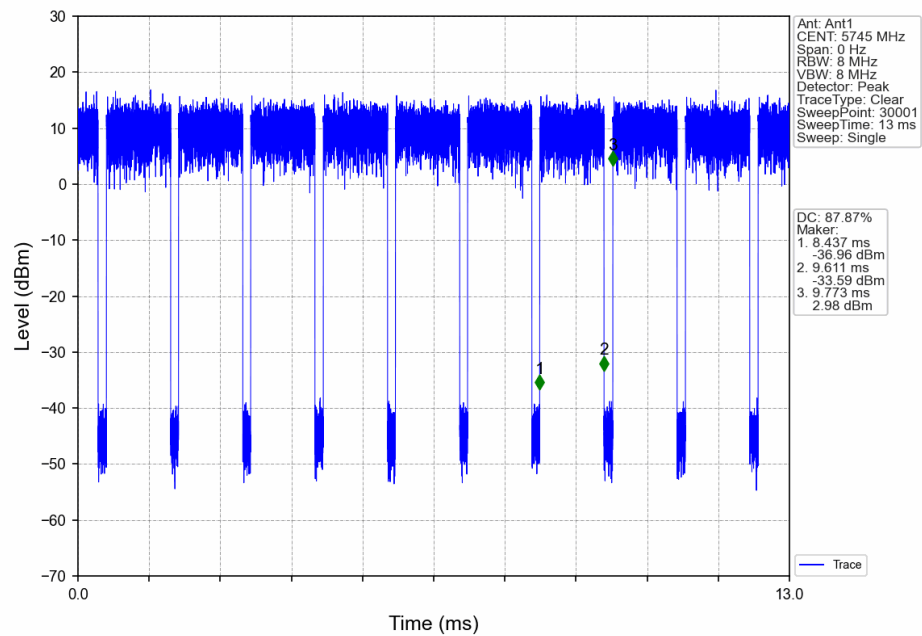
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



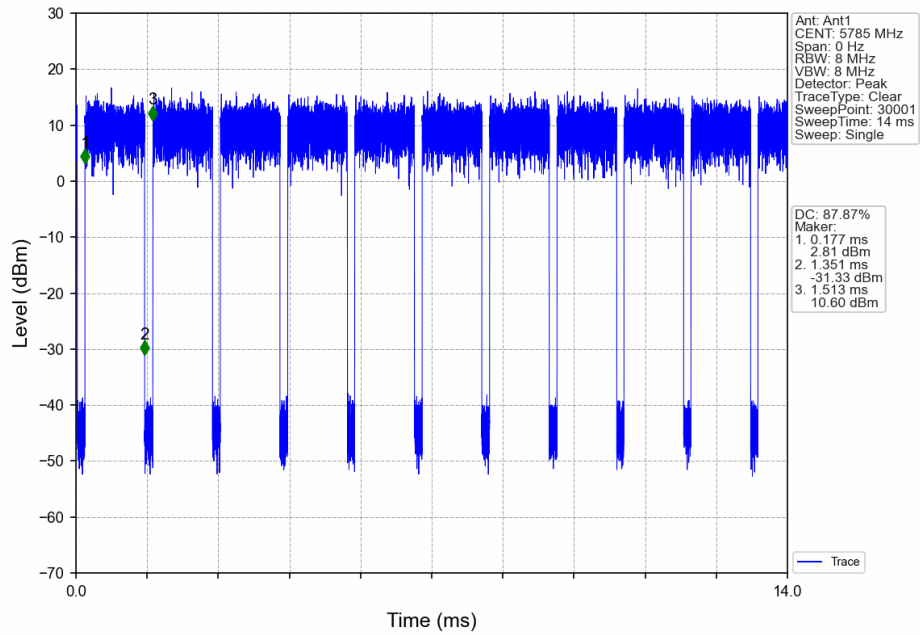
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



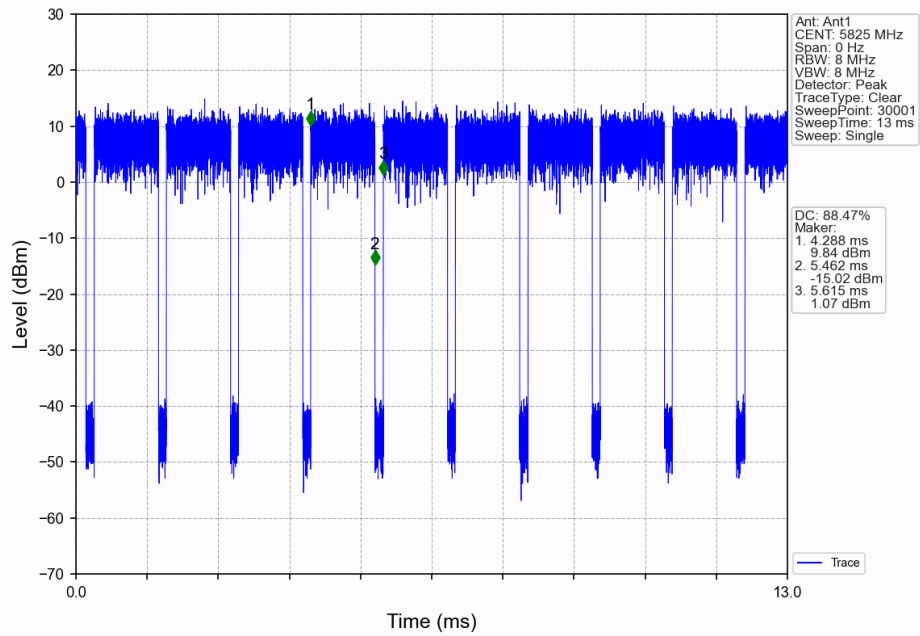
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV

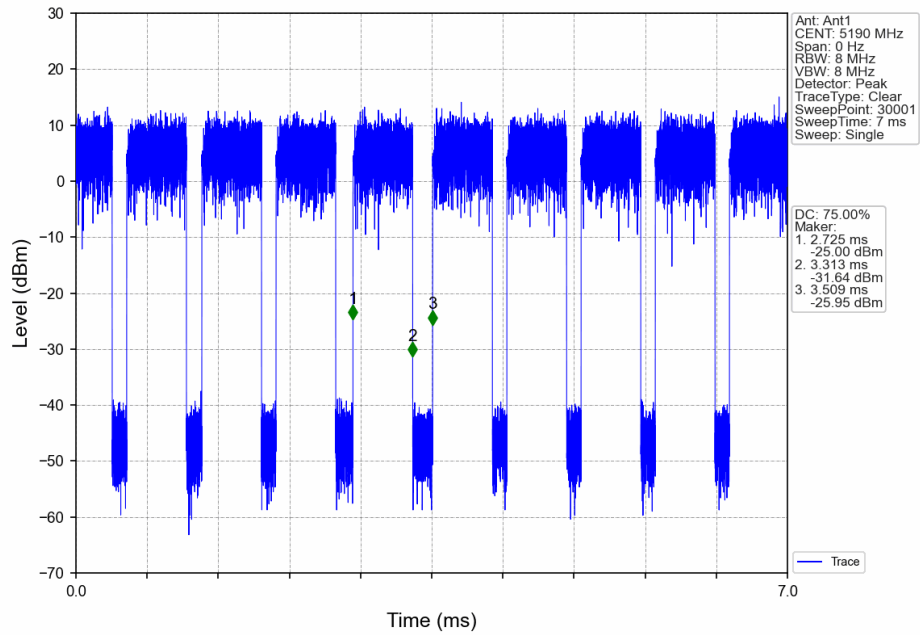


802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

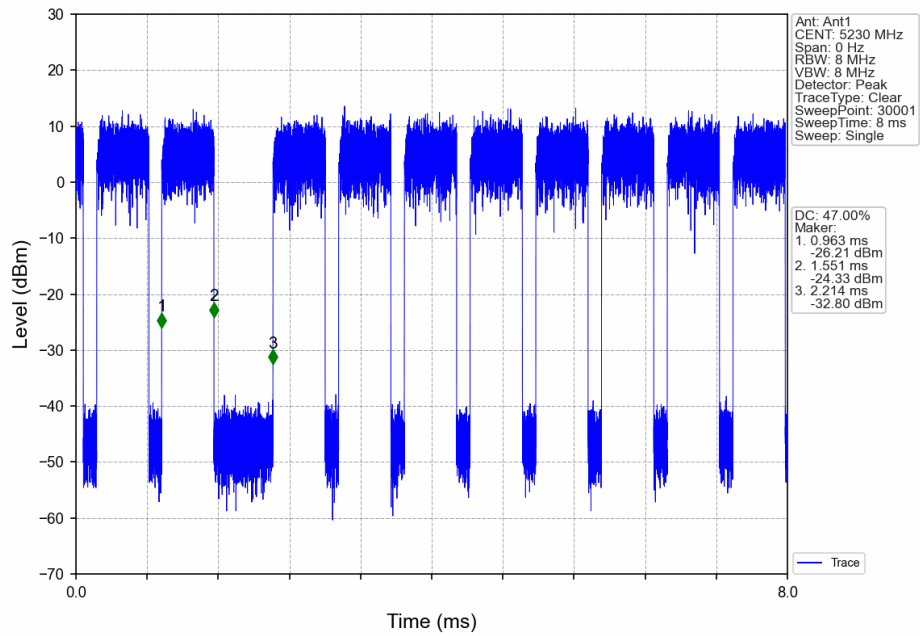




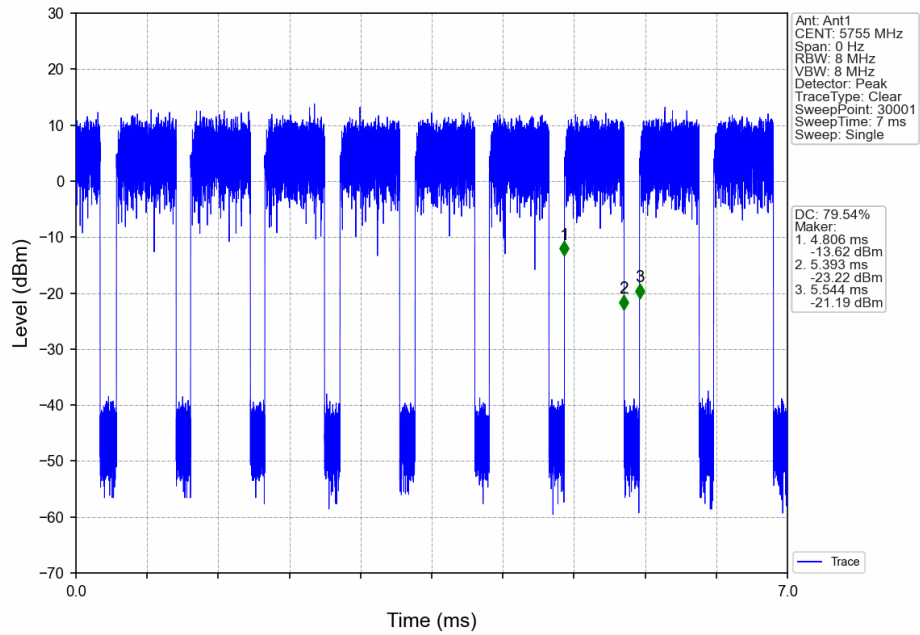
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



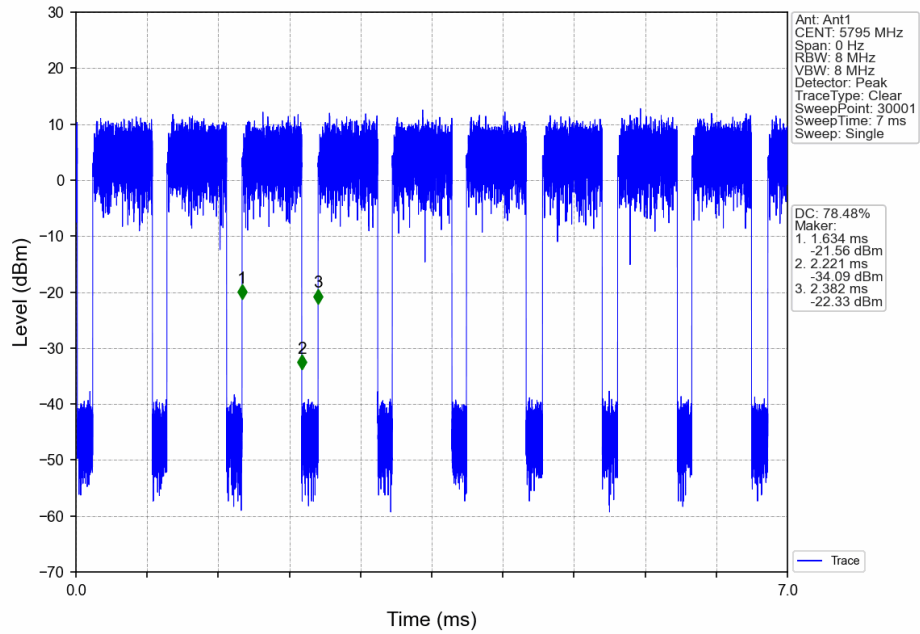
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



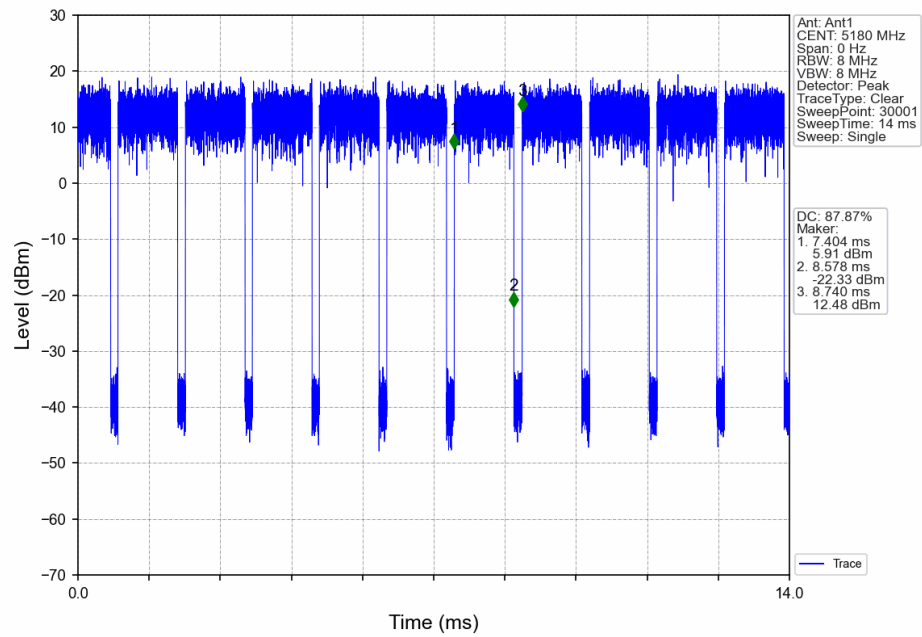
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



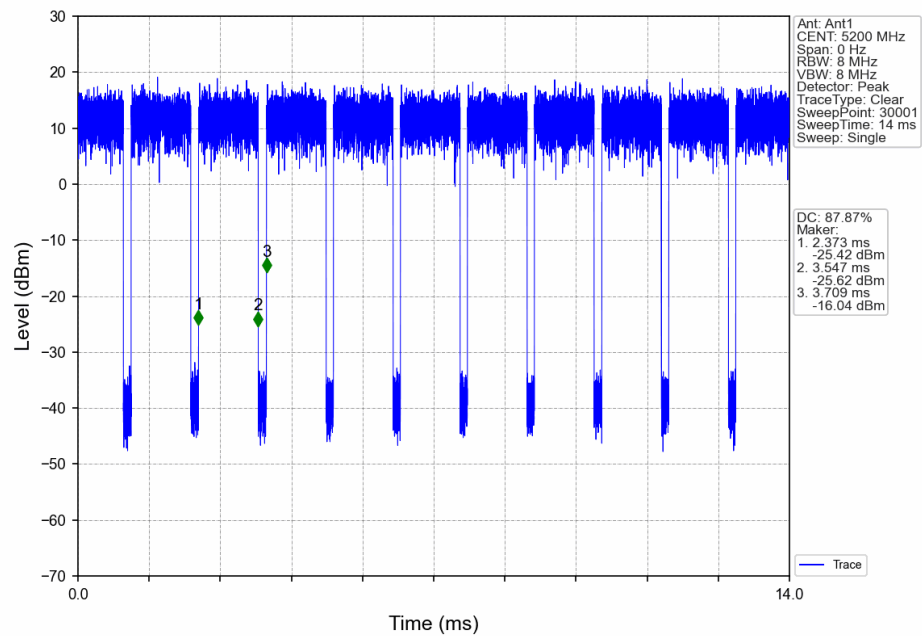
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



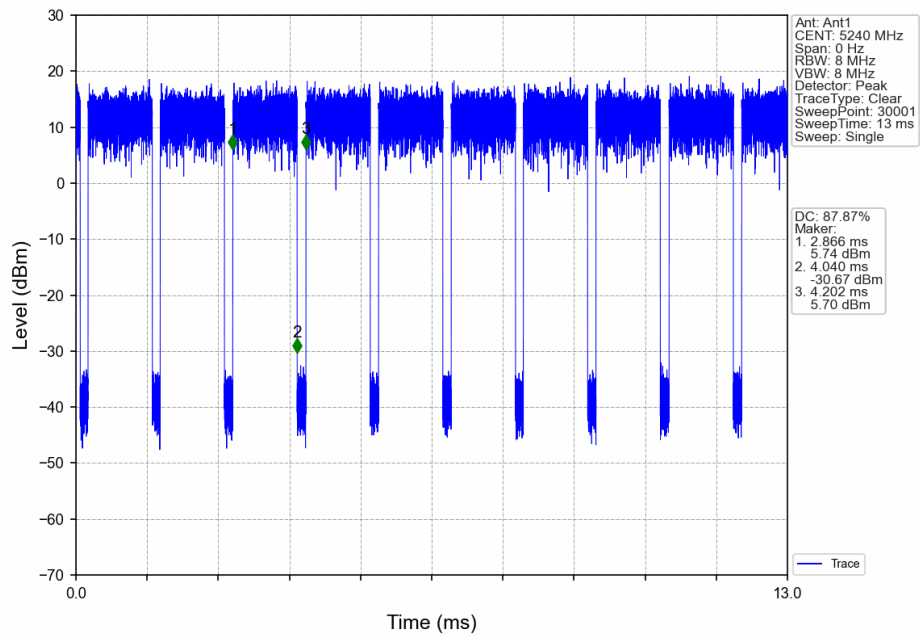
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



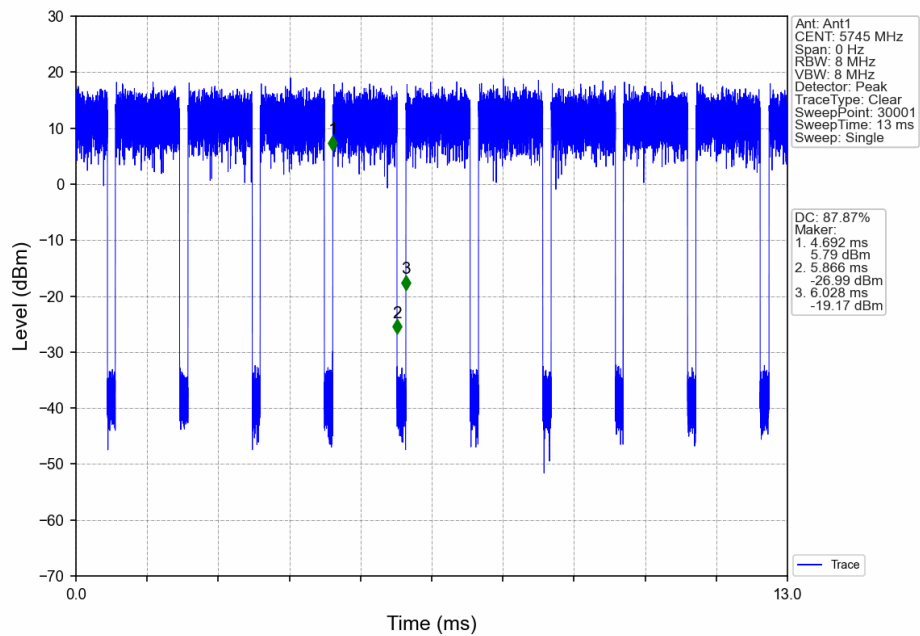
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



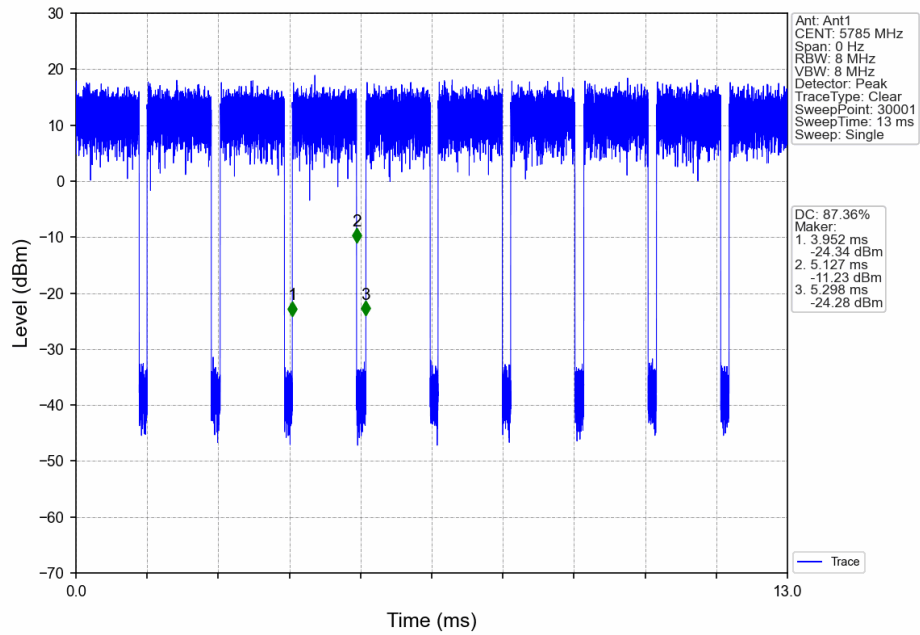
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



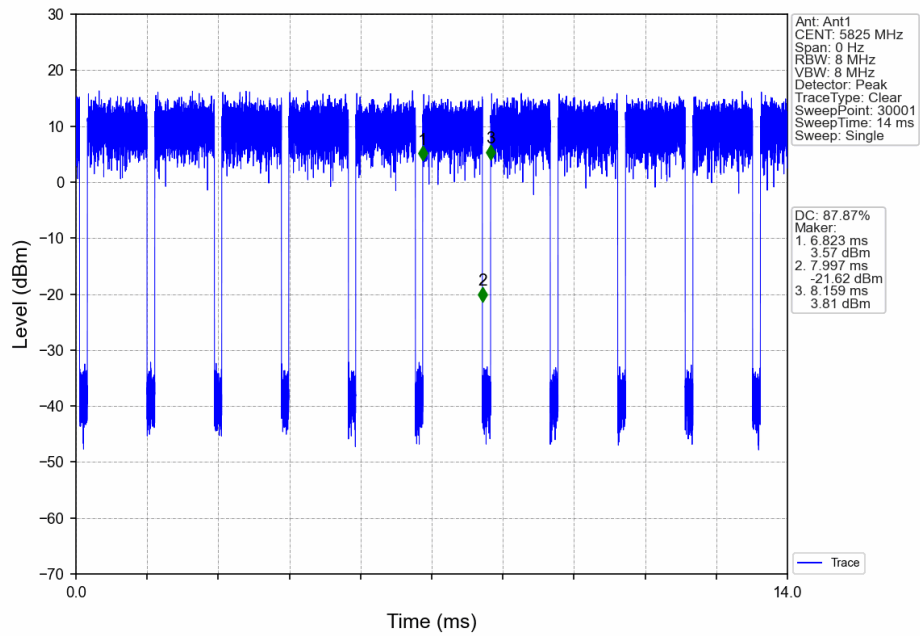
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



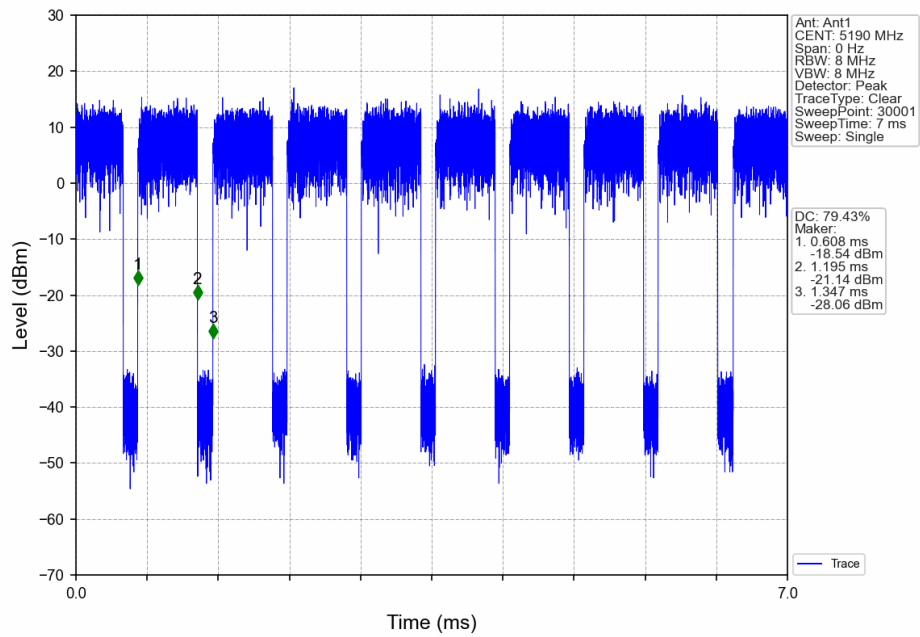
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



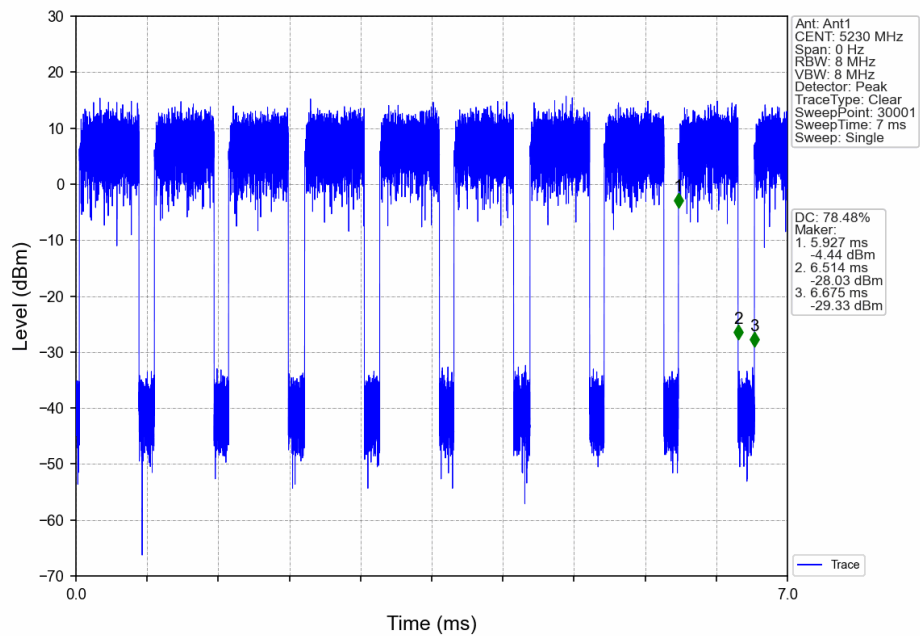
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



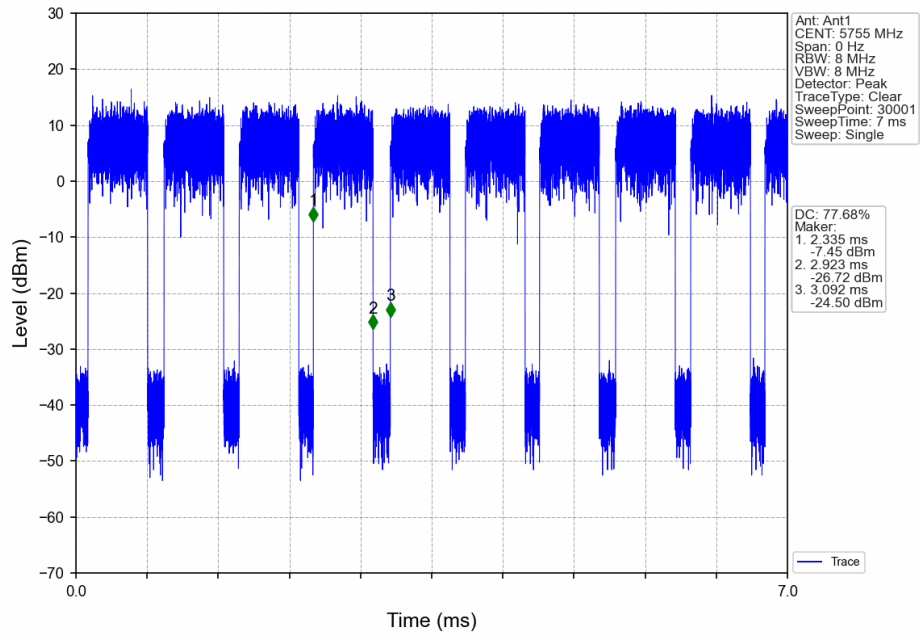
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



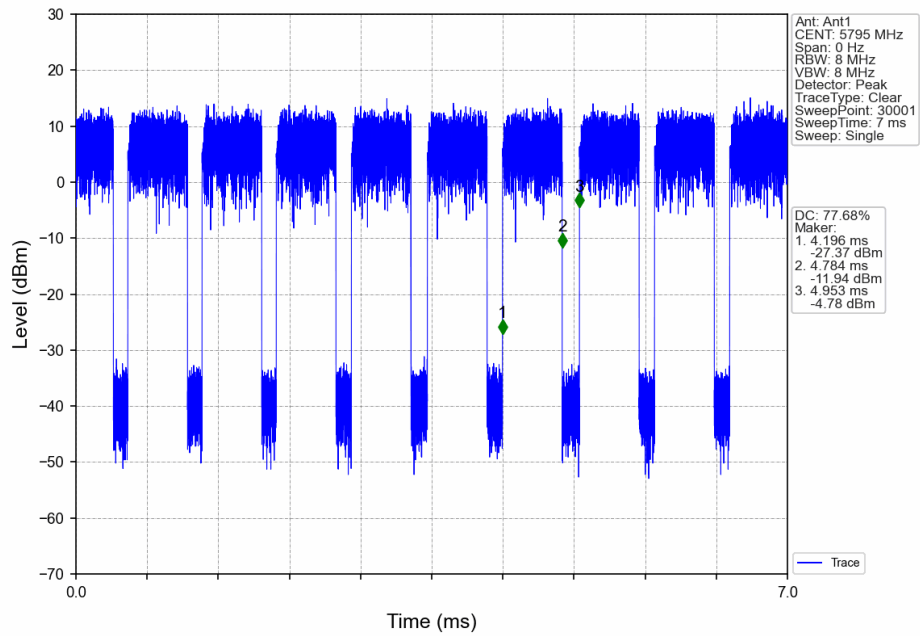
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



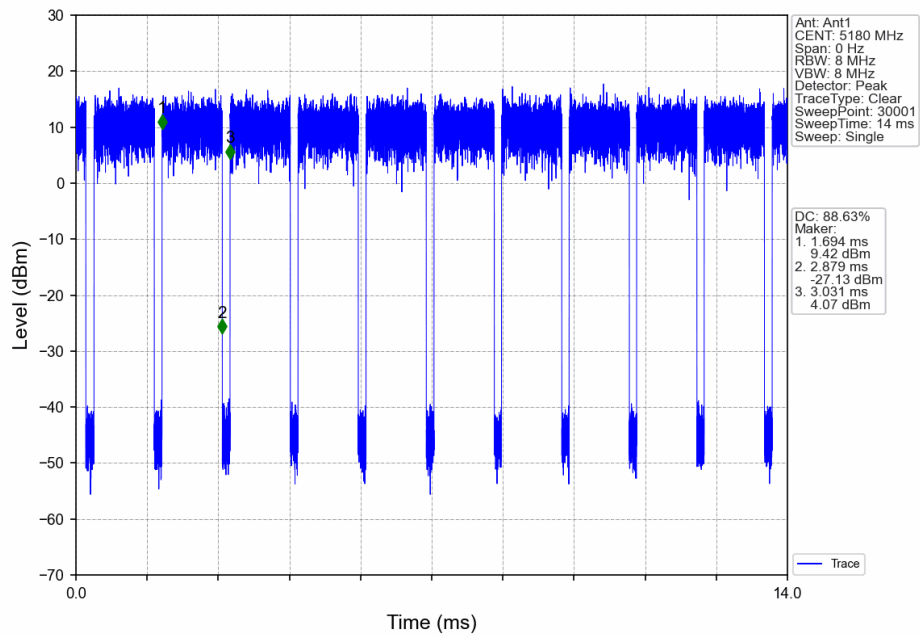
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



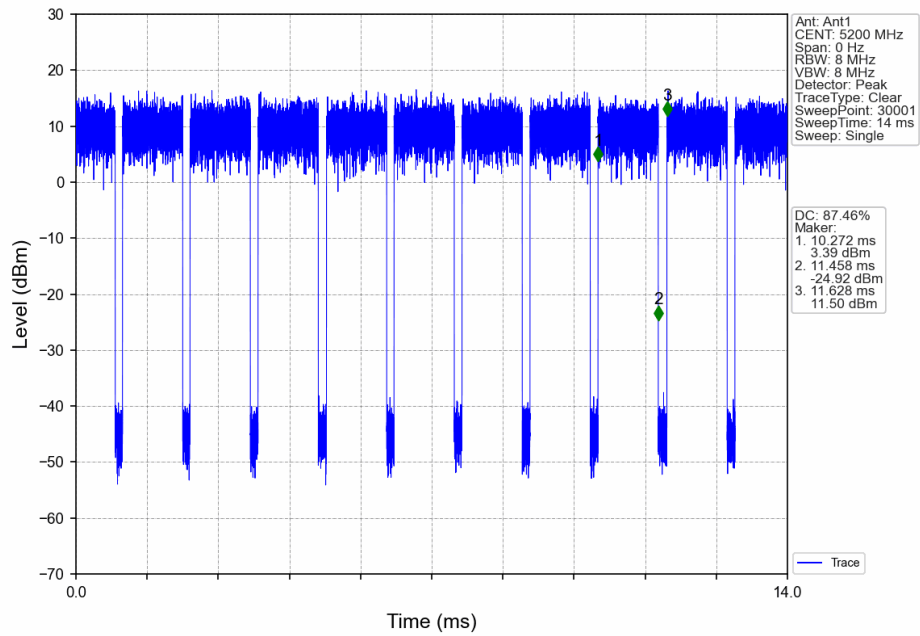
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV

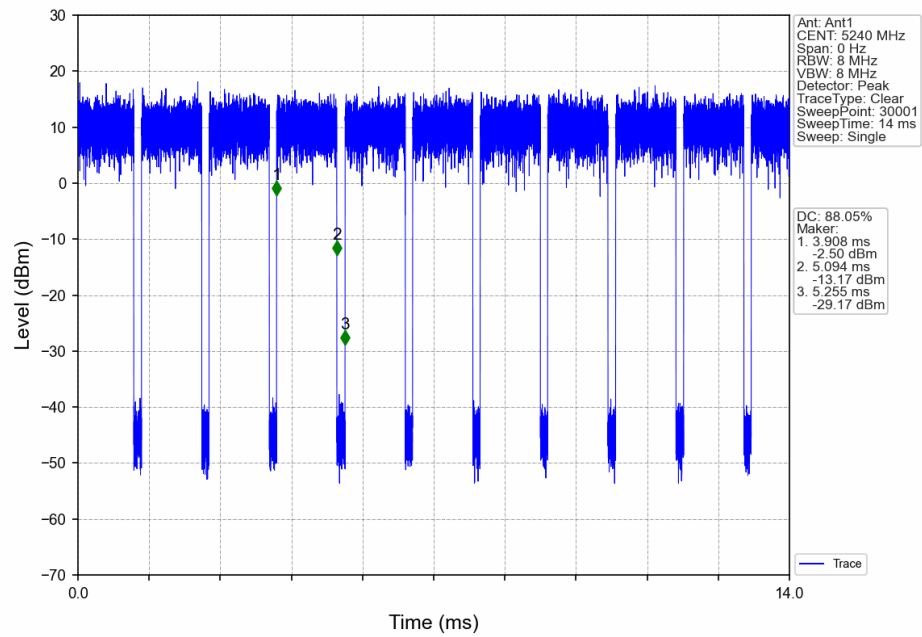


802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV

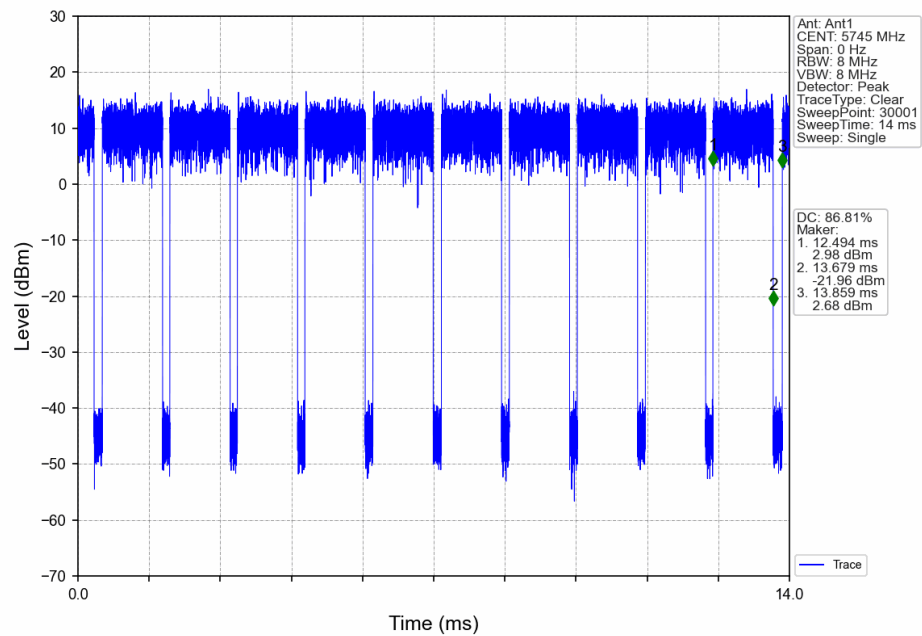




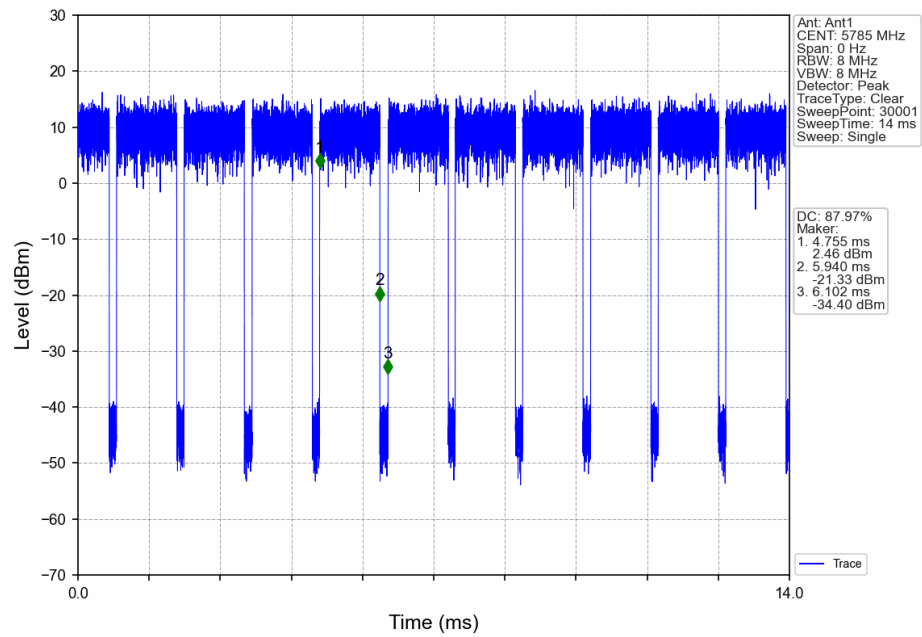
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



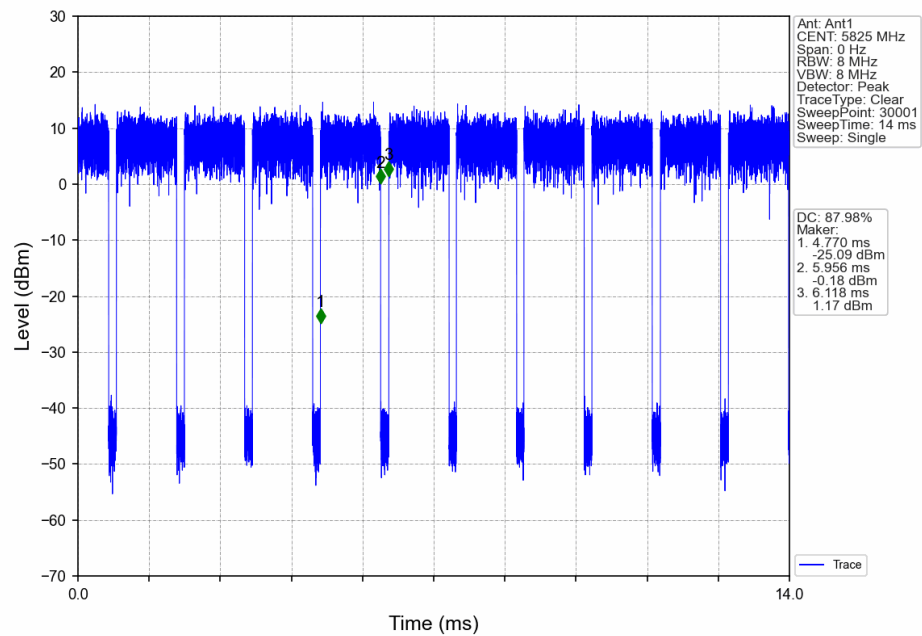
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



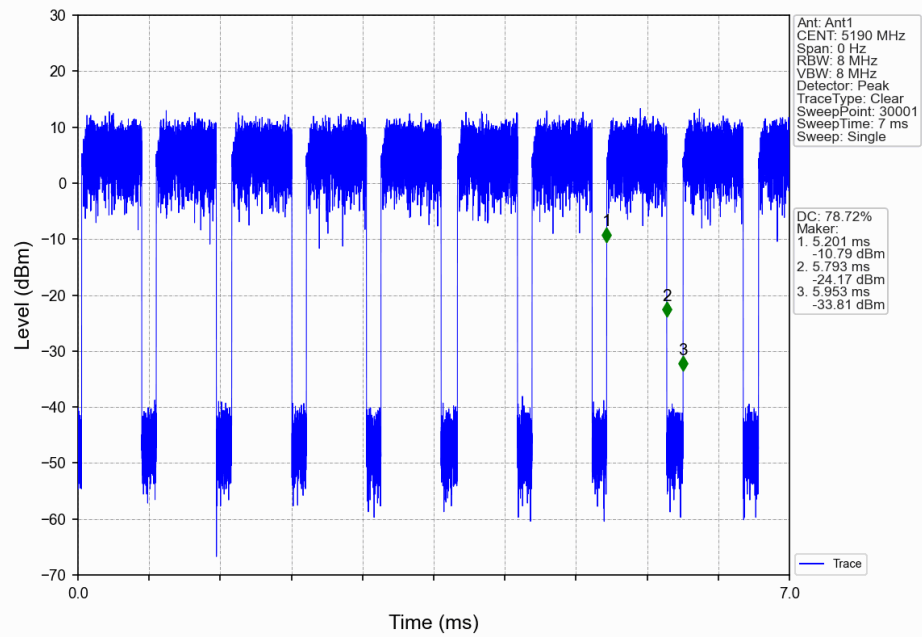
## 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



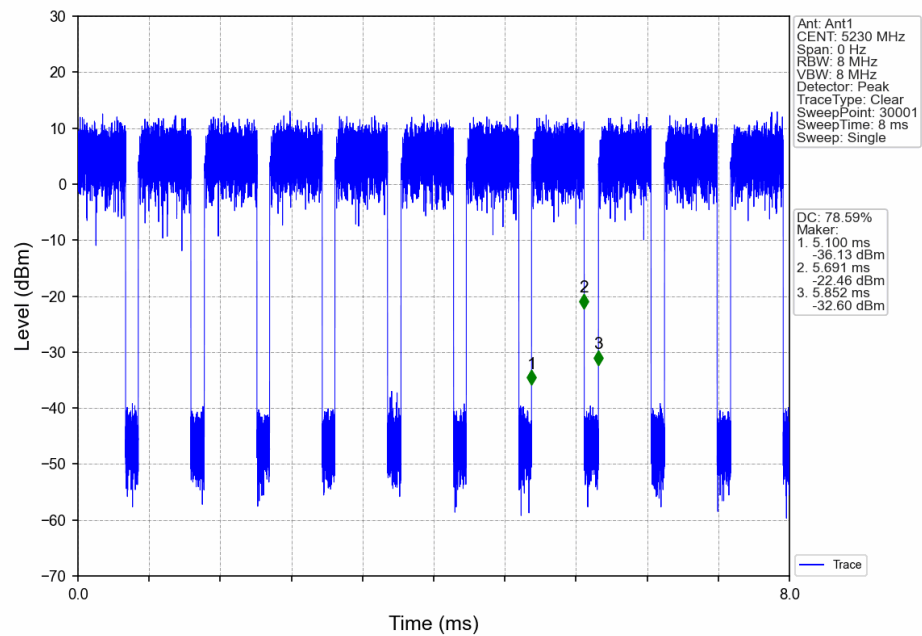
## 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



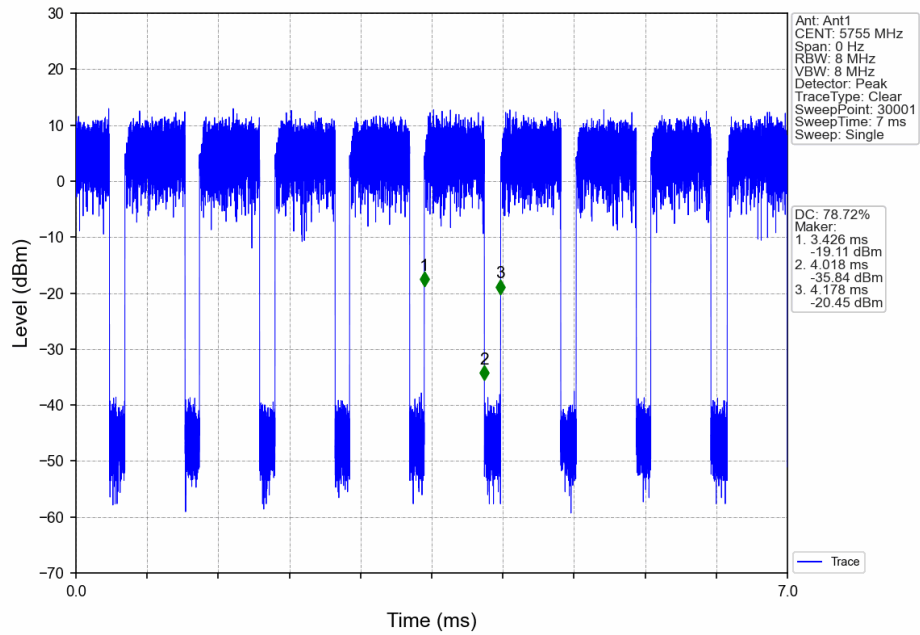
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



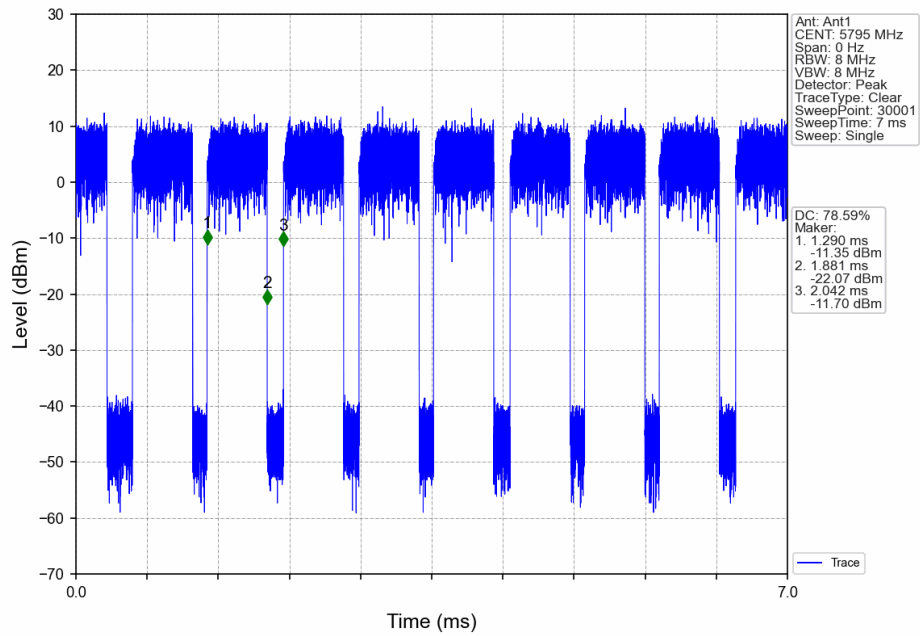
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



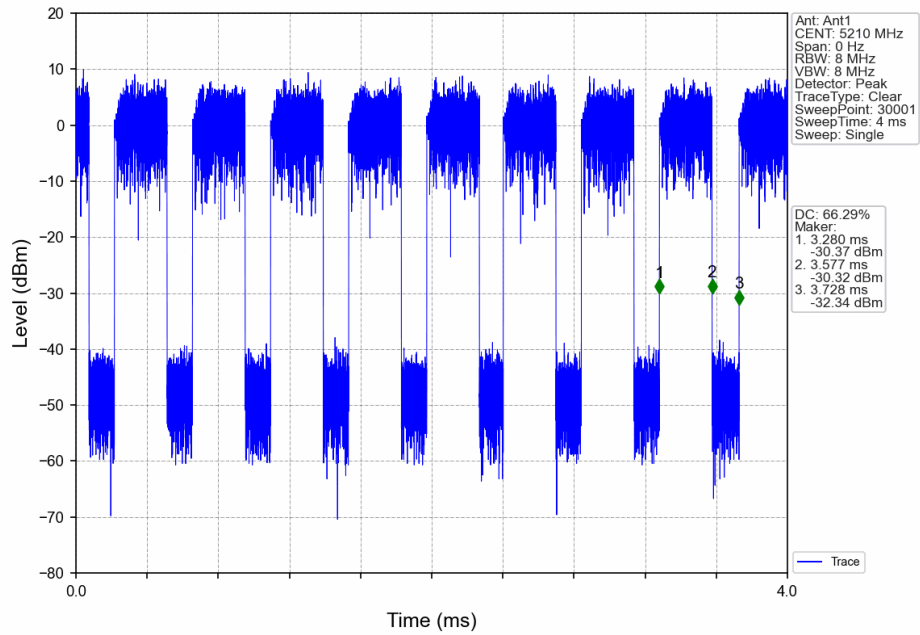
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



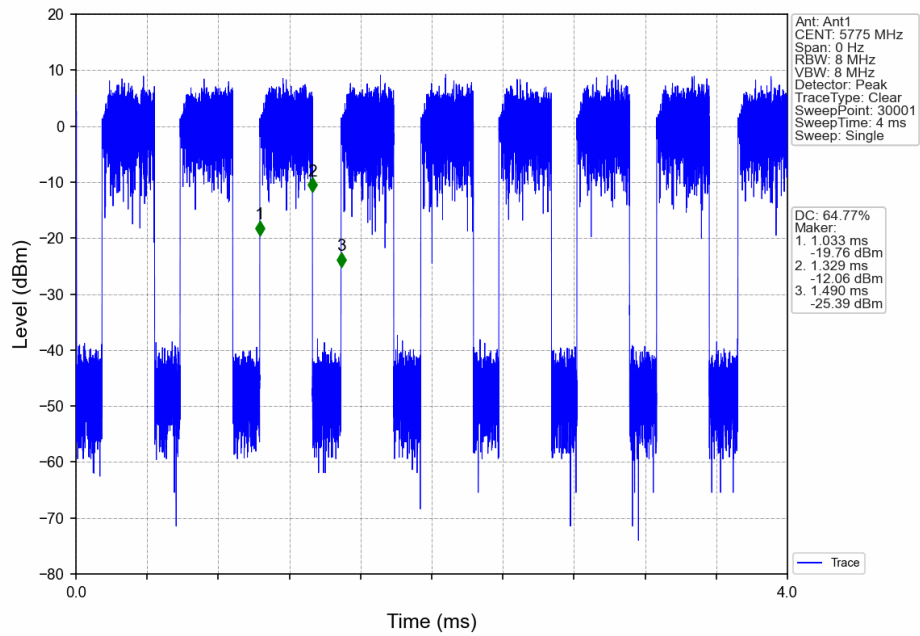
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



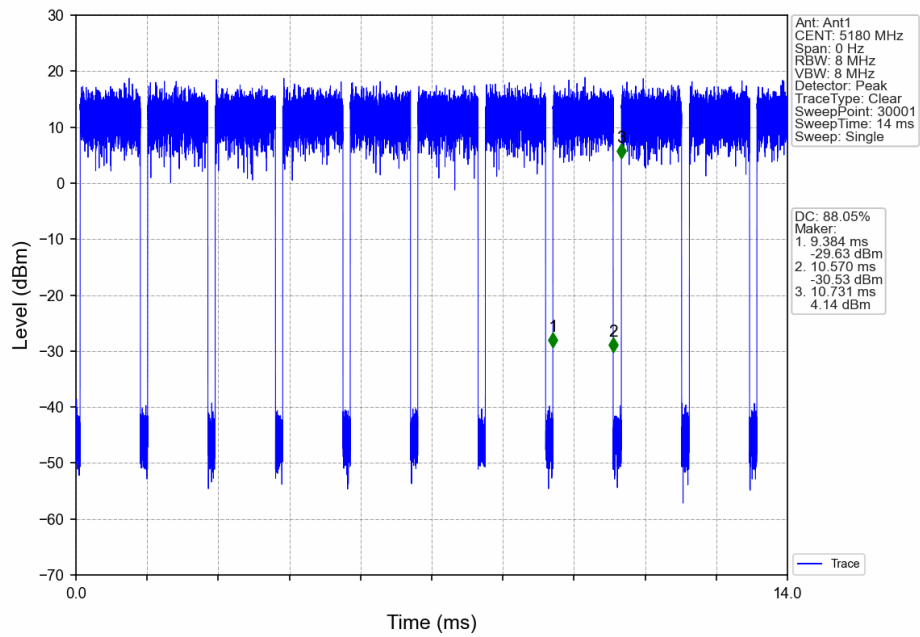
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



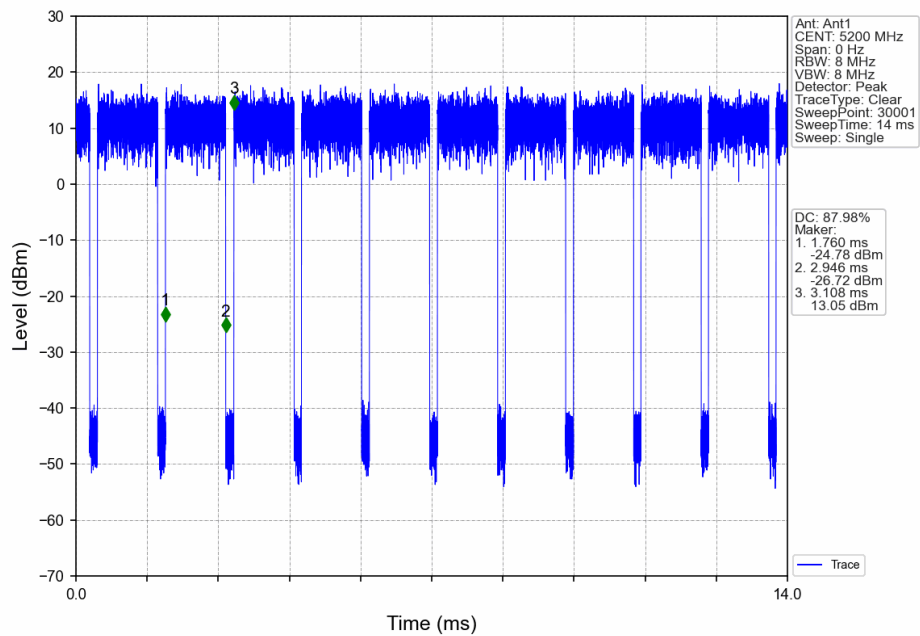
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



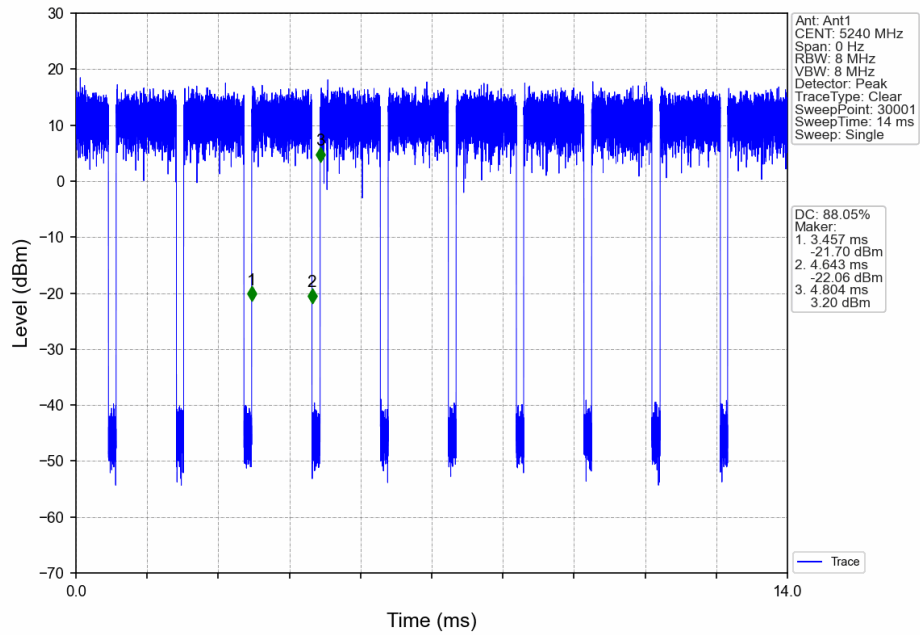
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



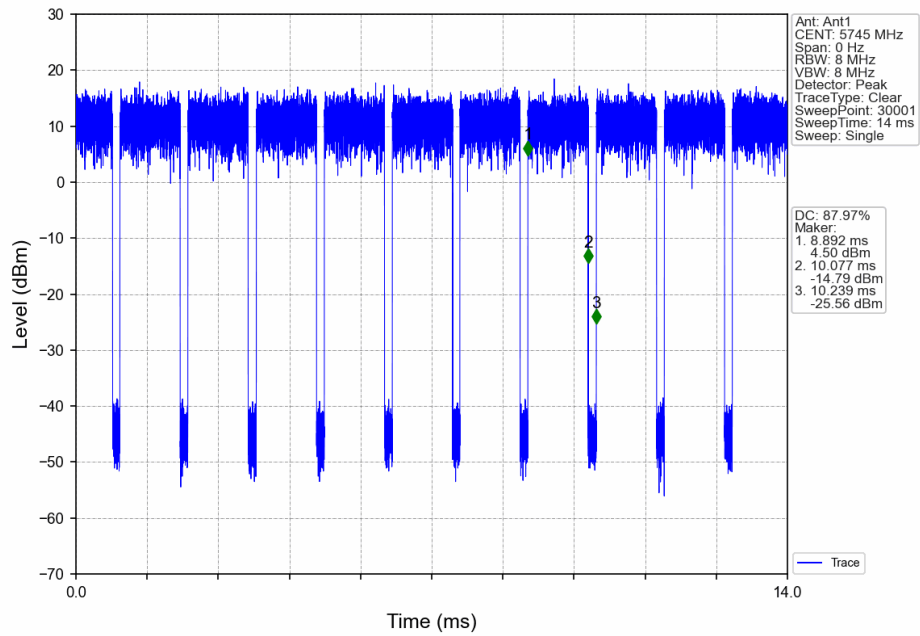
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



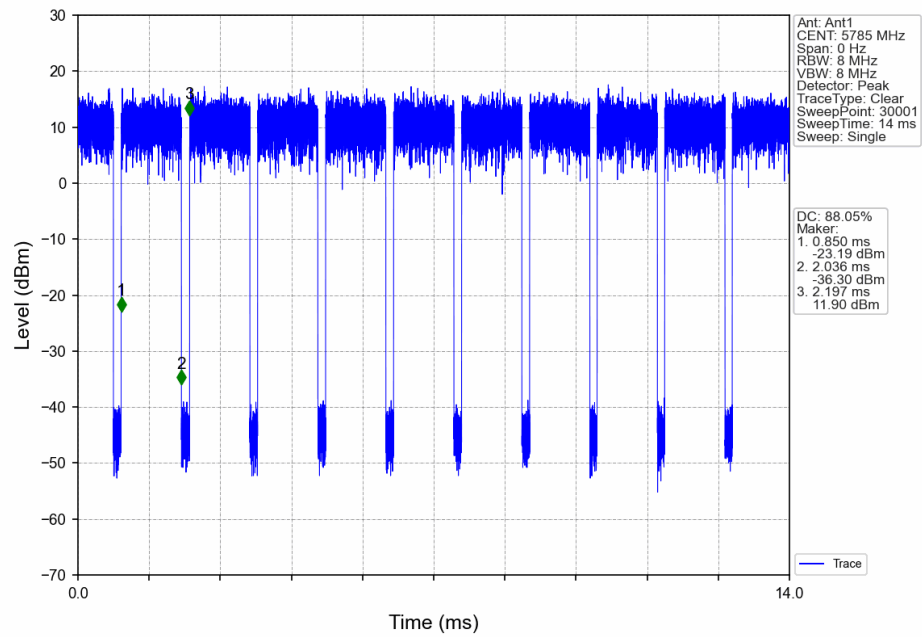
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



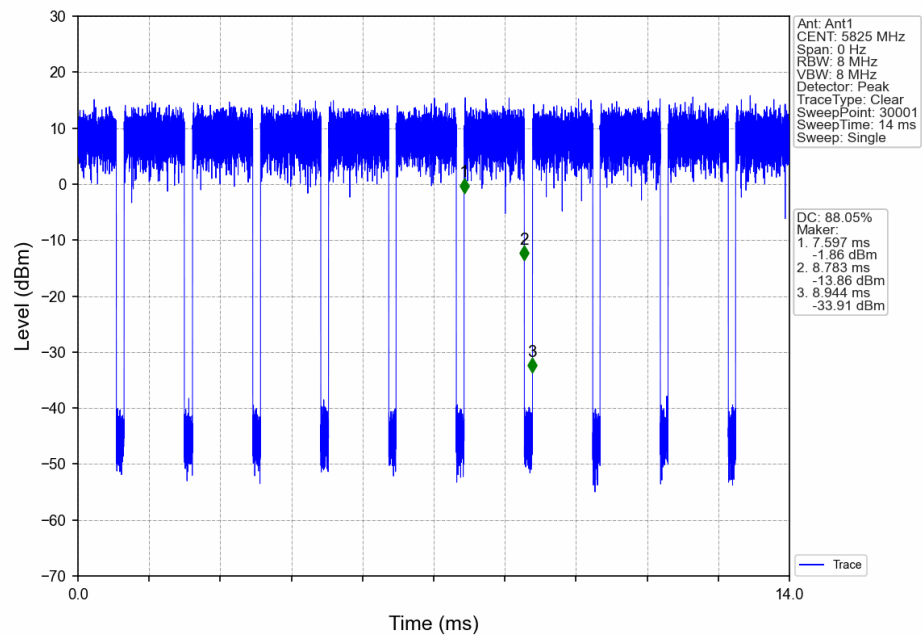
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV

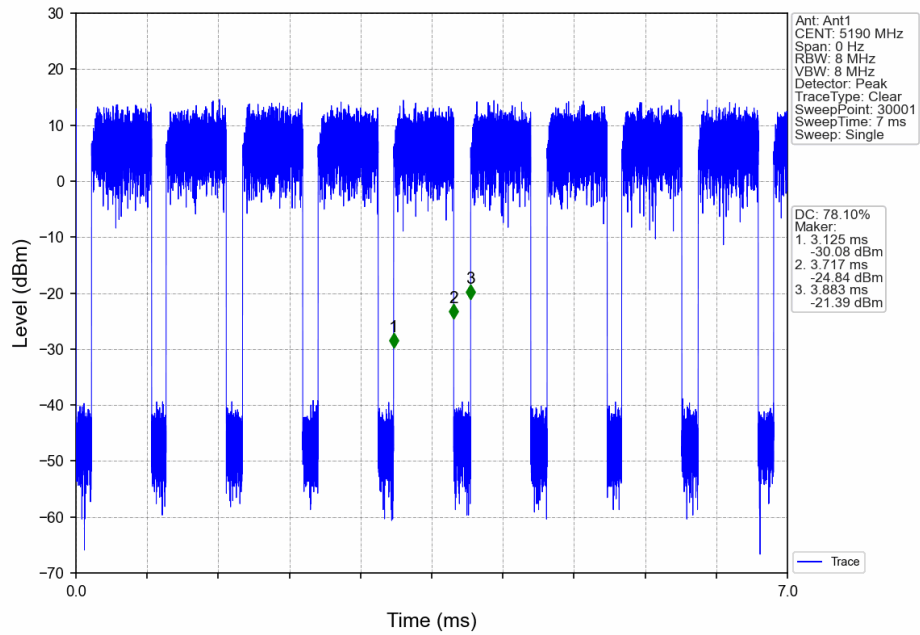


802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV

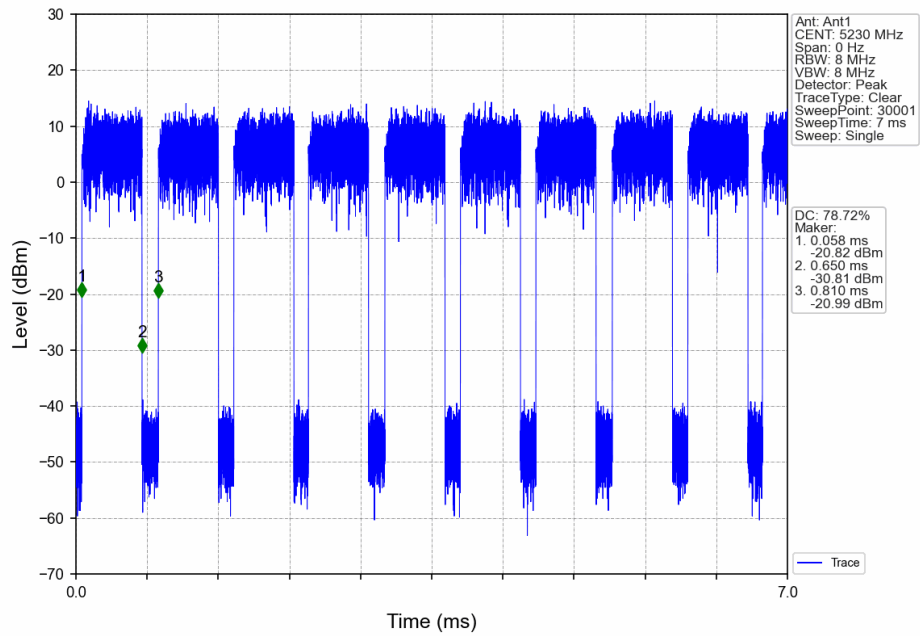




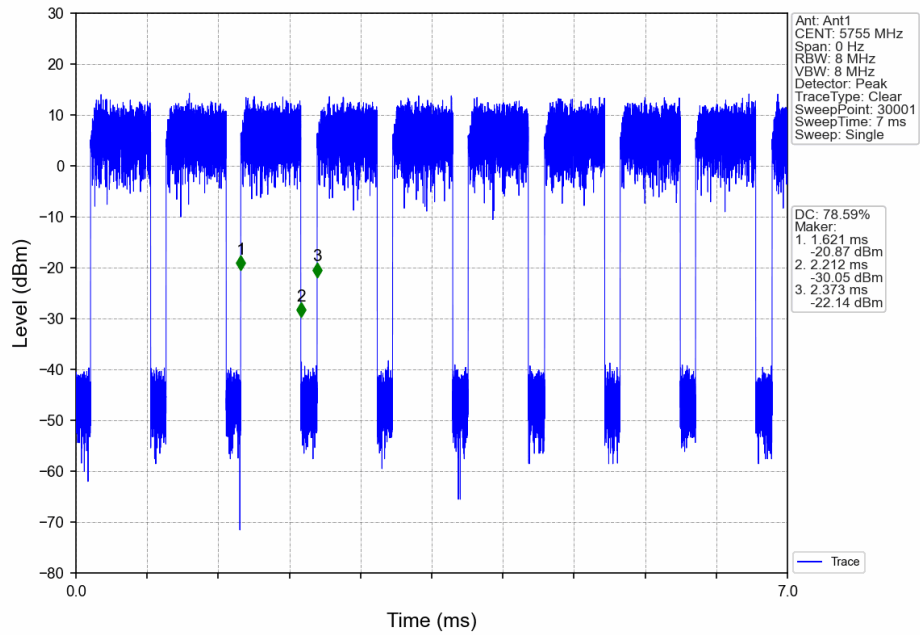
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



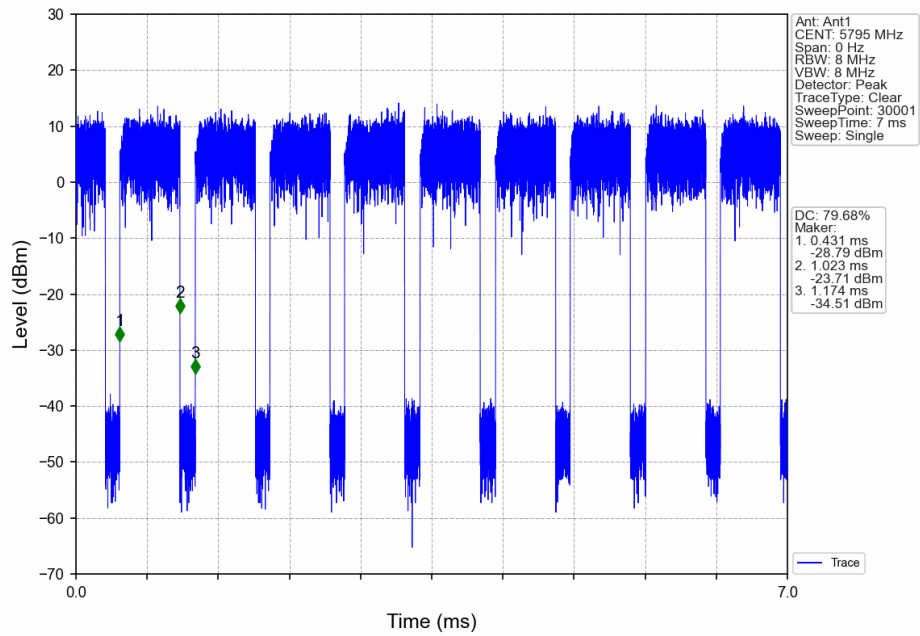
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



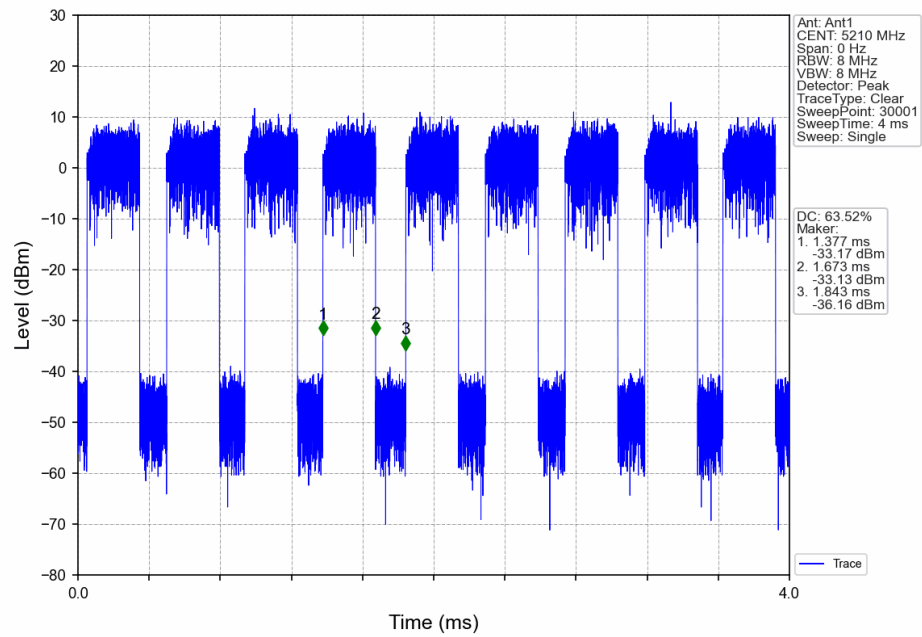
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



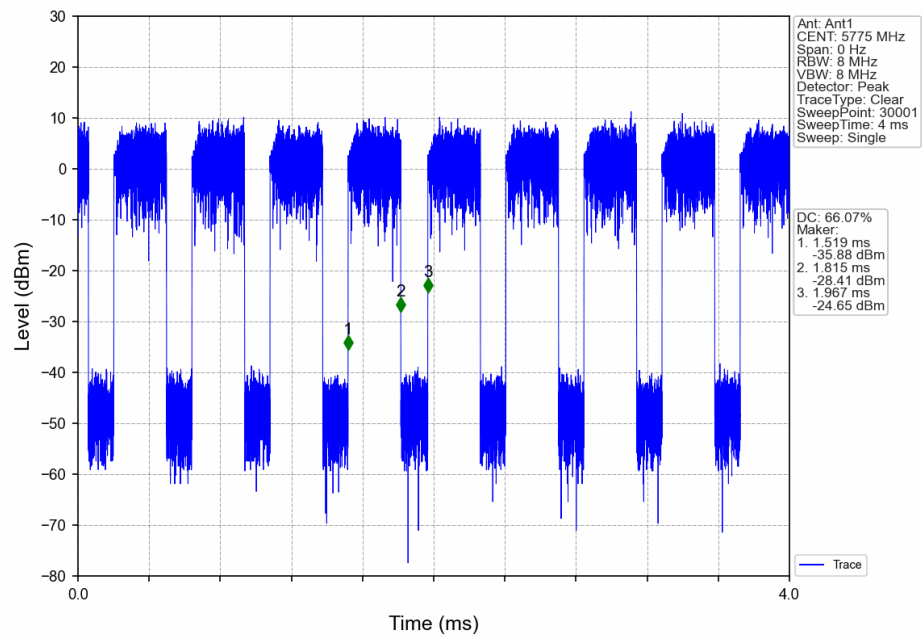
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



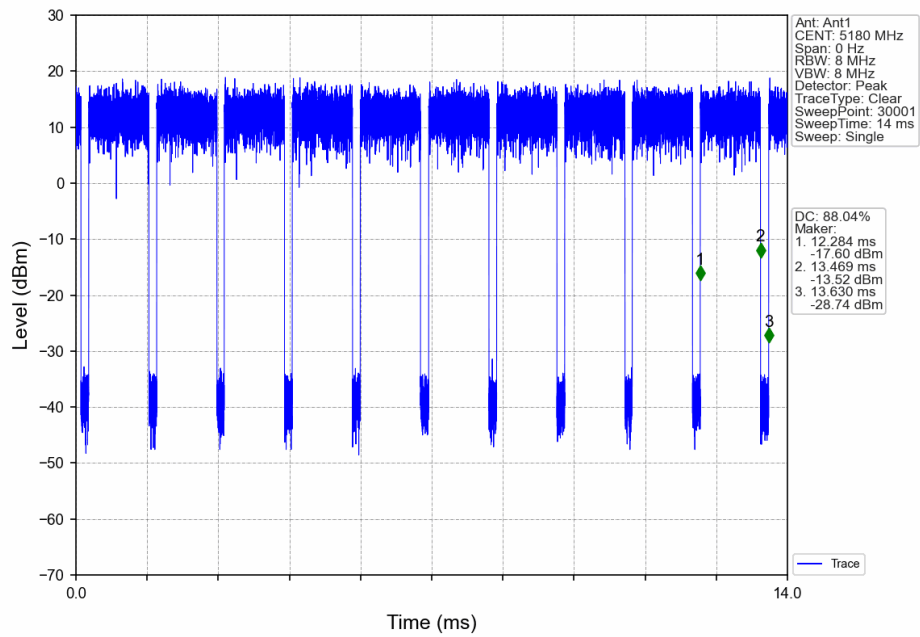
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



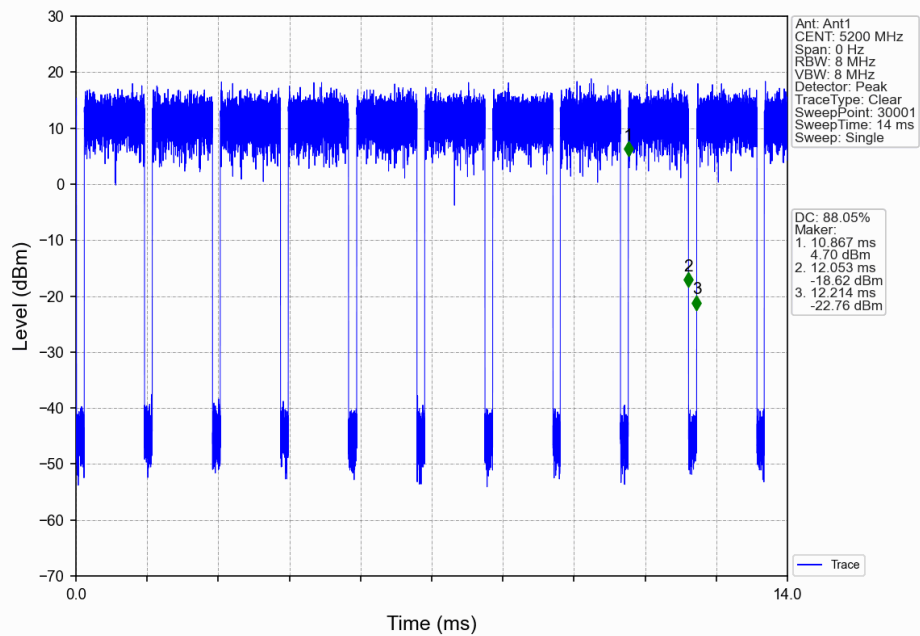
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



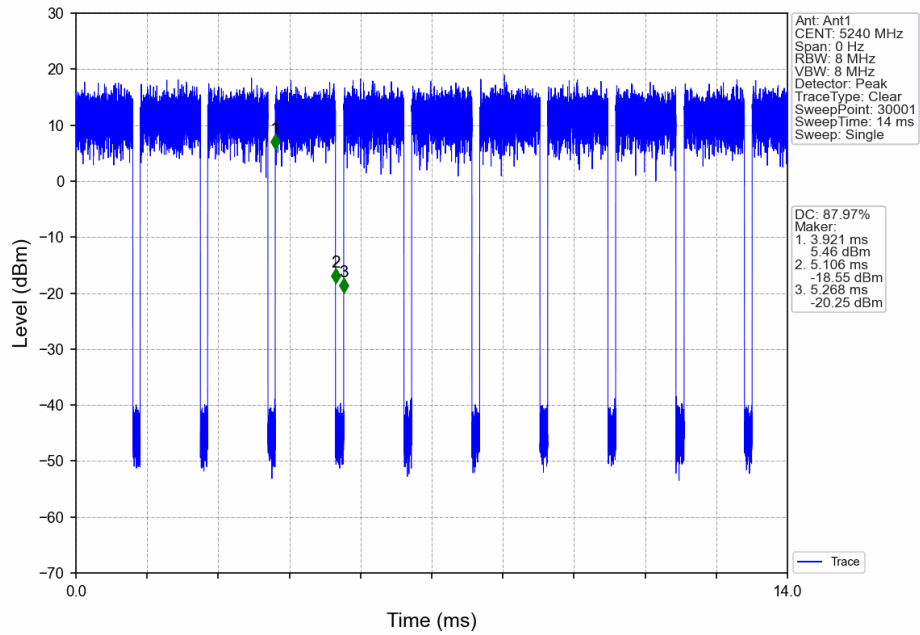
802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV



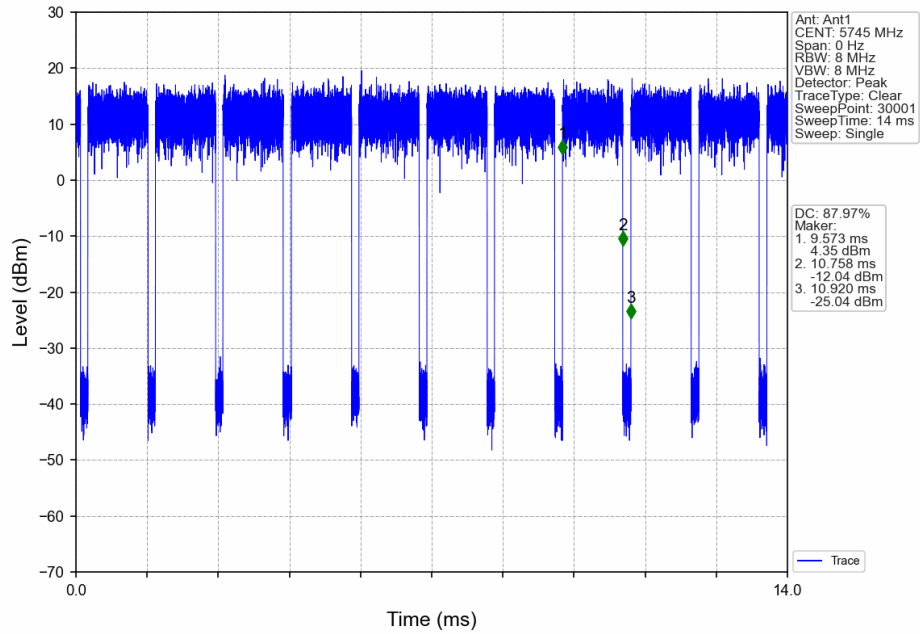
802.11ax(HEW20)\_MCH\_5200MHz\_RU242\_Left\_Ant1\_NTNV



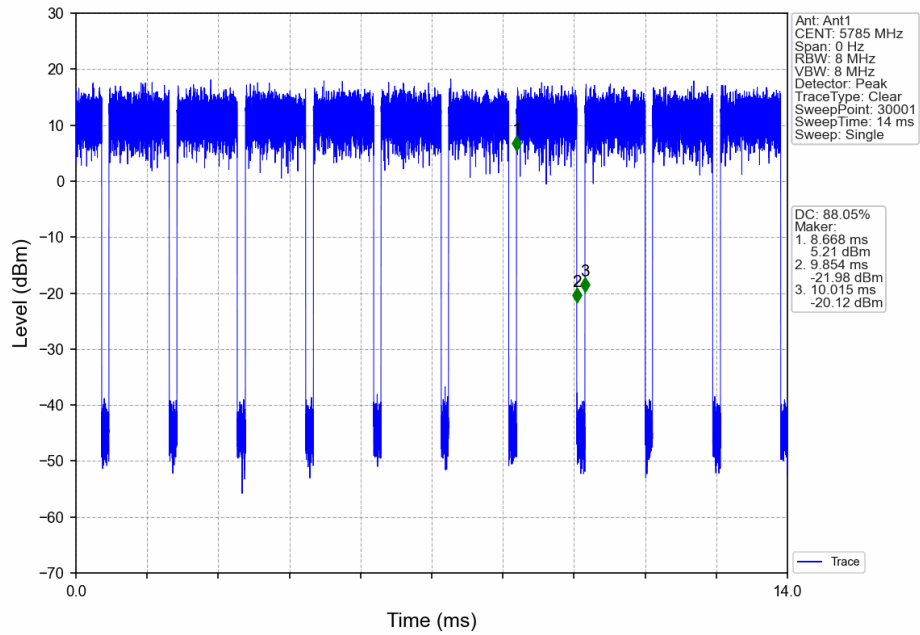
802.11ax(HEW20)\_HCH\_5240MHz\_RU242\_Left\_Ant1\_NTNV



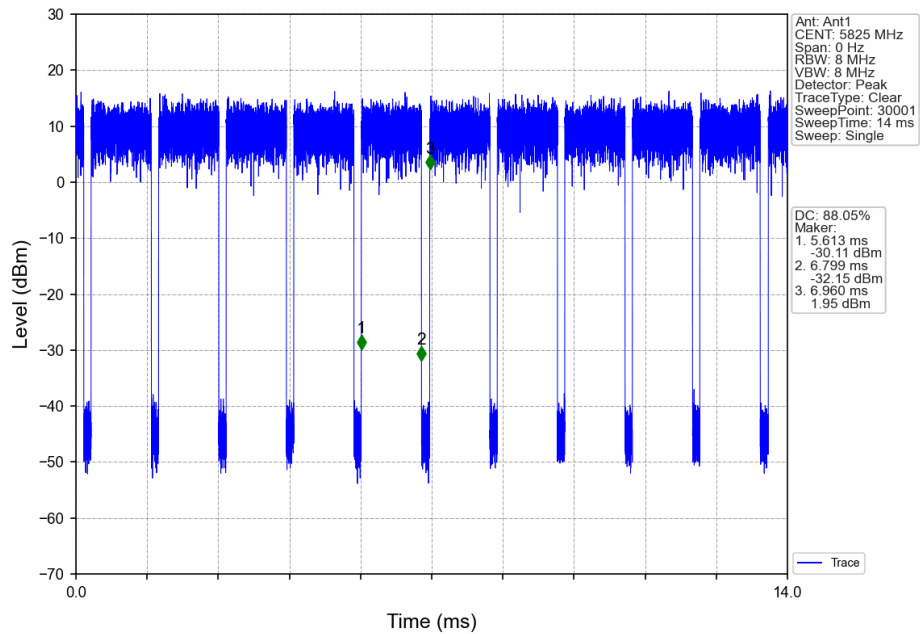
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



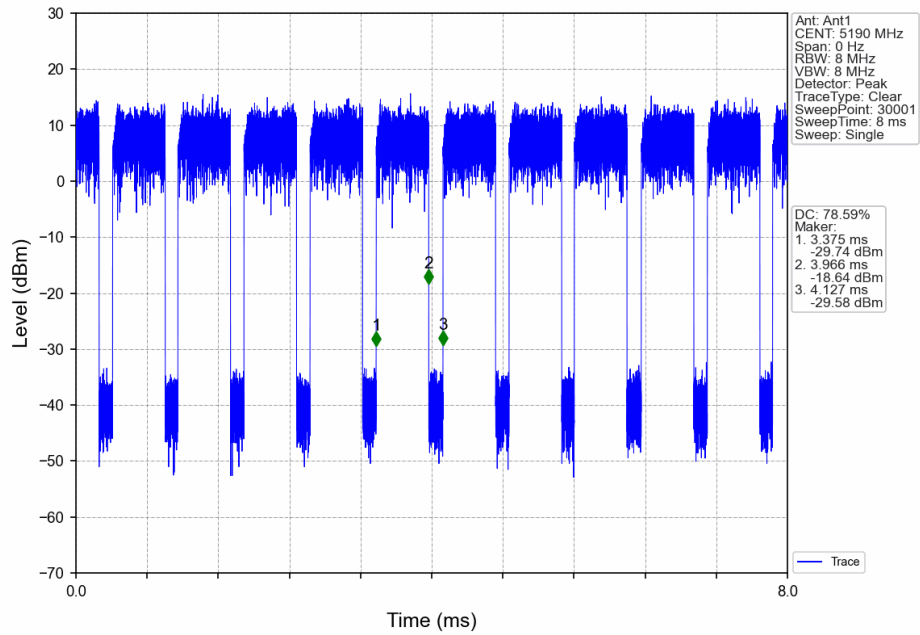
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



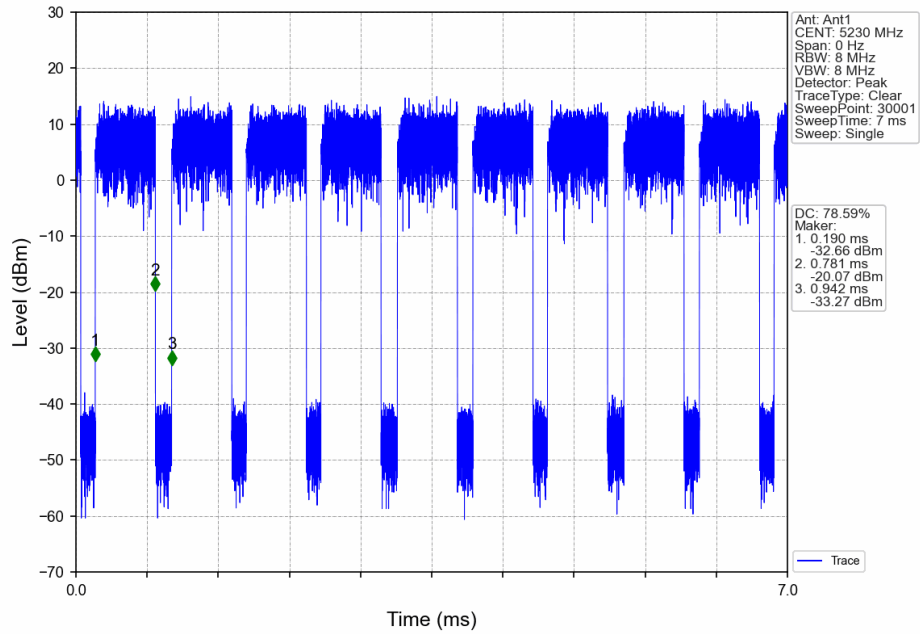
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



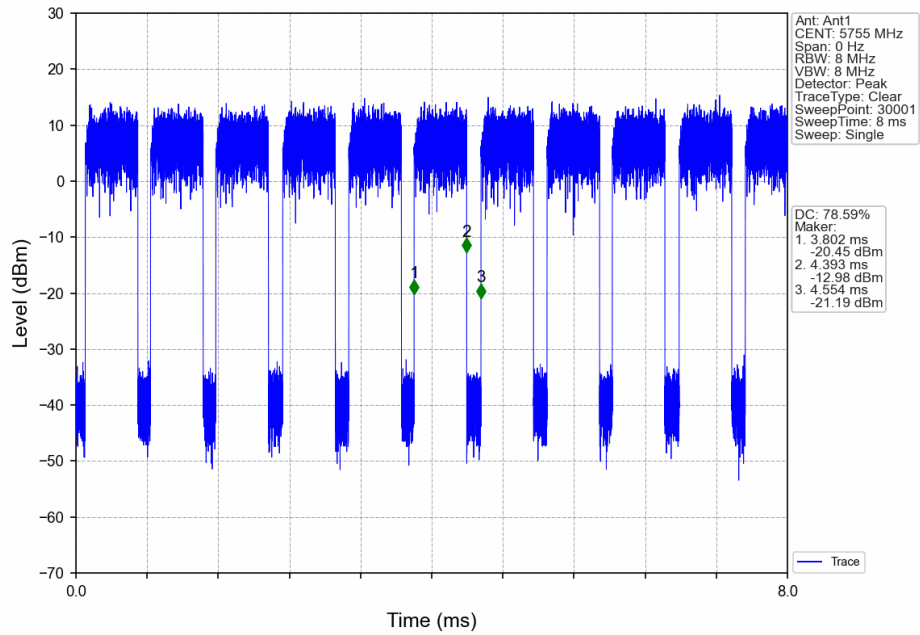
802.11ax(HEW40)\_LCH\_5190MHz\_RU484\_Left\_Ant1\_NTNV



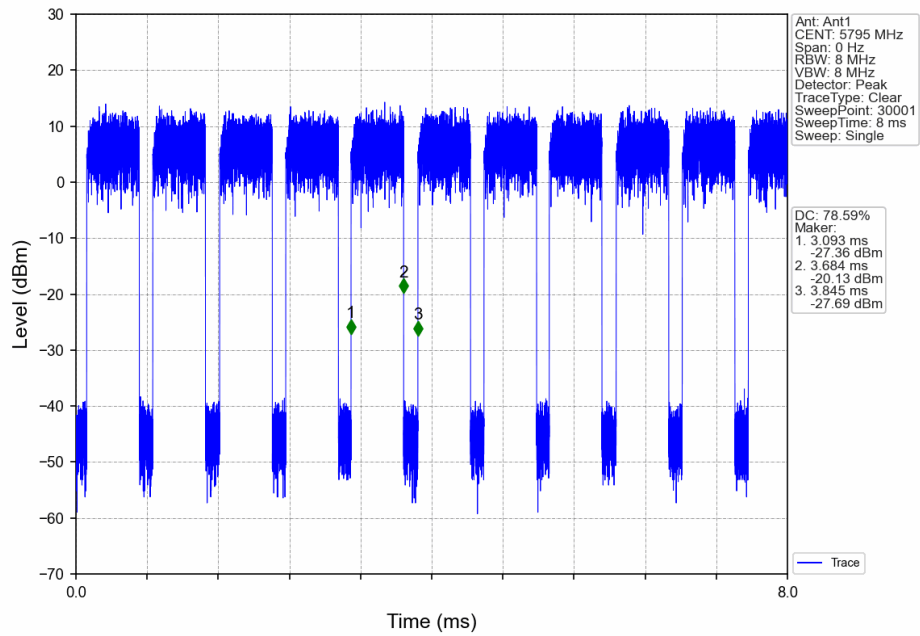
802.11ax(HEW40)\_HCH\_5230MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV

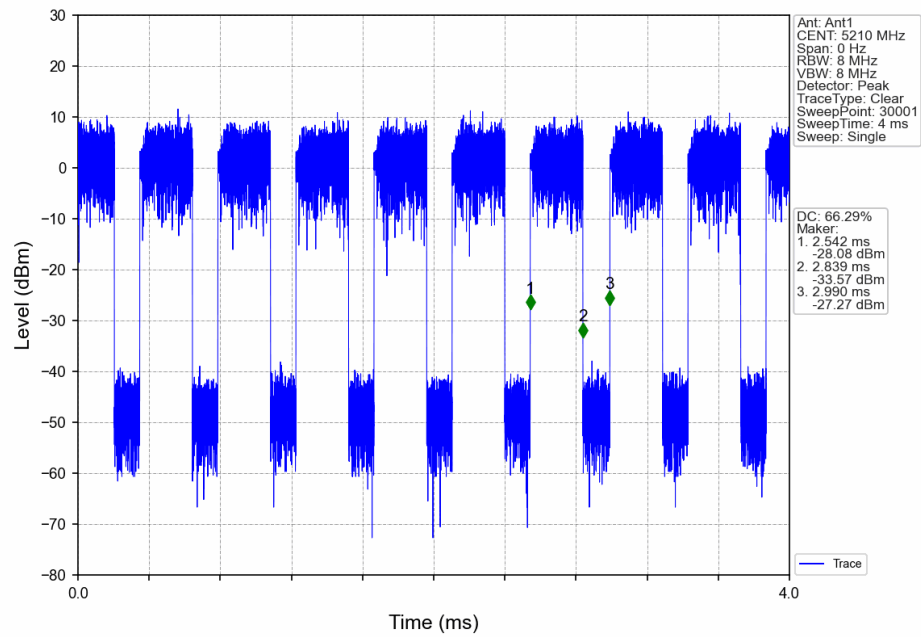


802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV

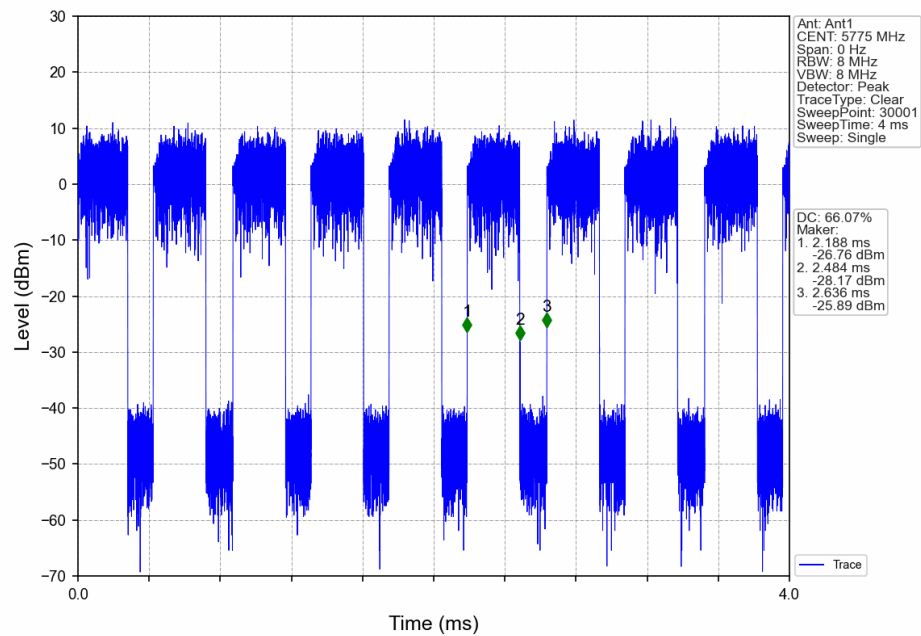




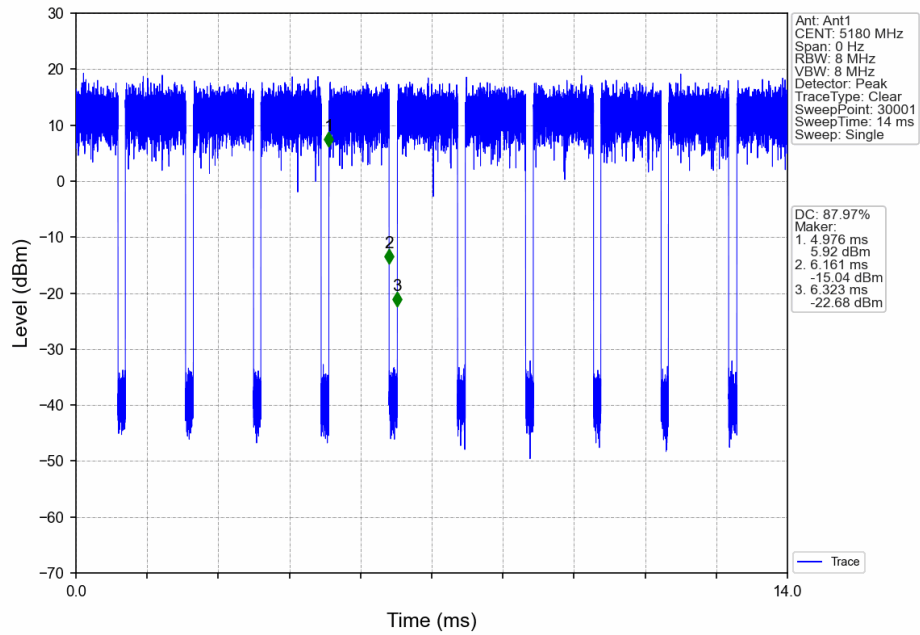
## 802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV



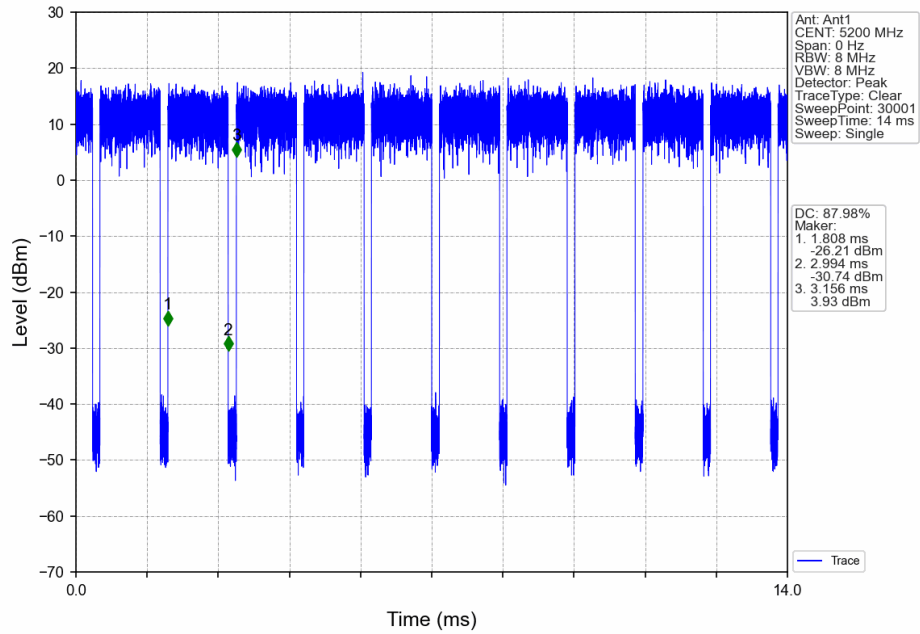
## 802.11ax(HEW80)\_MCH\_5775MHz\_RU996\_Left\_Ant1\_NTNV



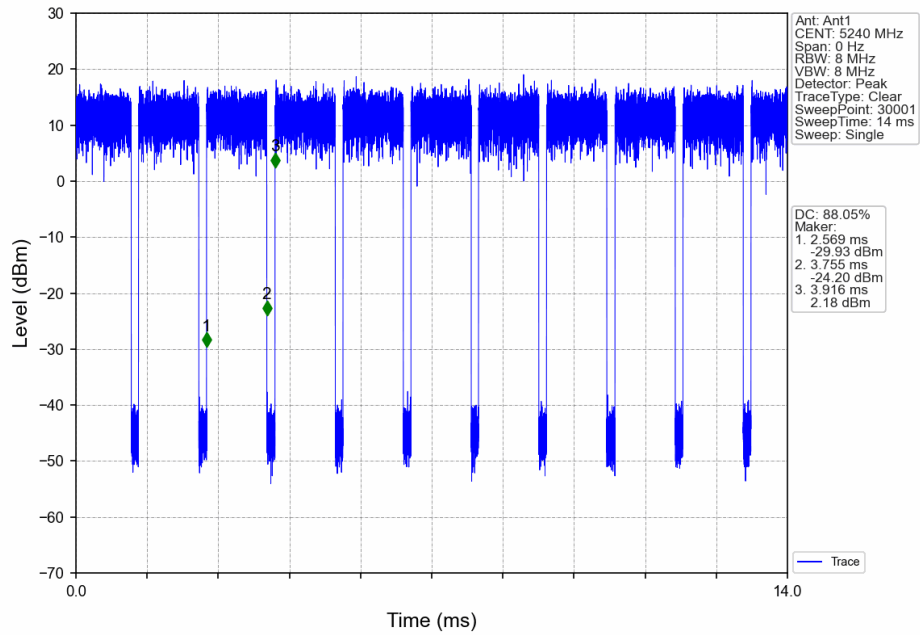
802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV



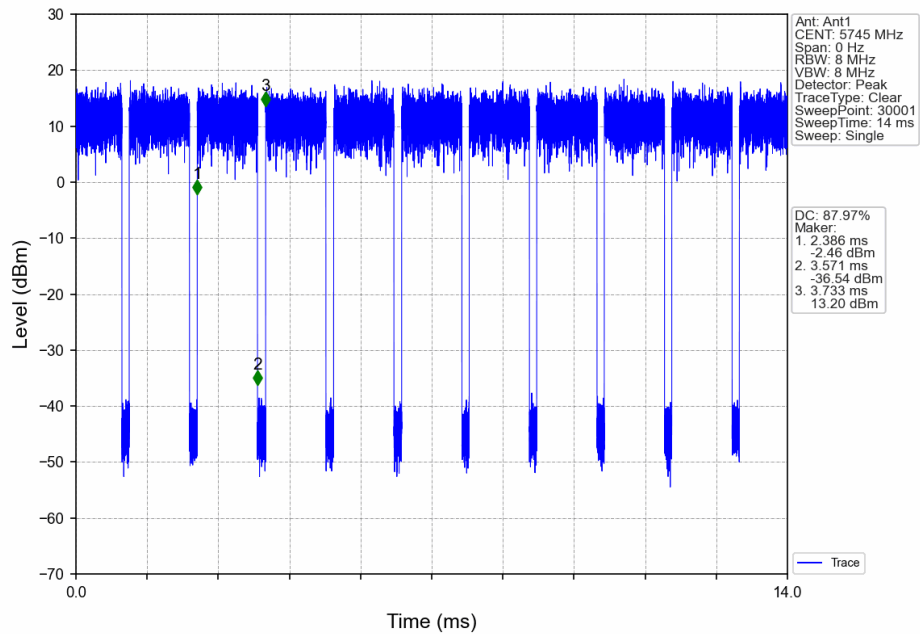
802.11ax(HEW20)\_MCH\_5200MHz\_RU242\_Left\_Ant1\_NTNV



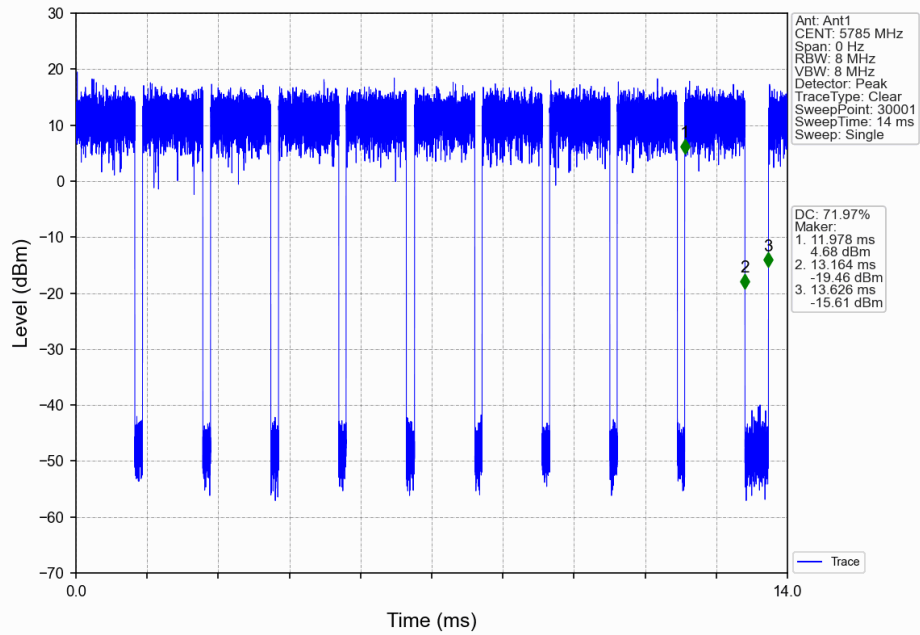
802.11ax(HEW20)\_HCH\_5240MHz\_RU242\_Left\_Ant1\_NTNV



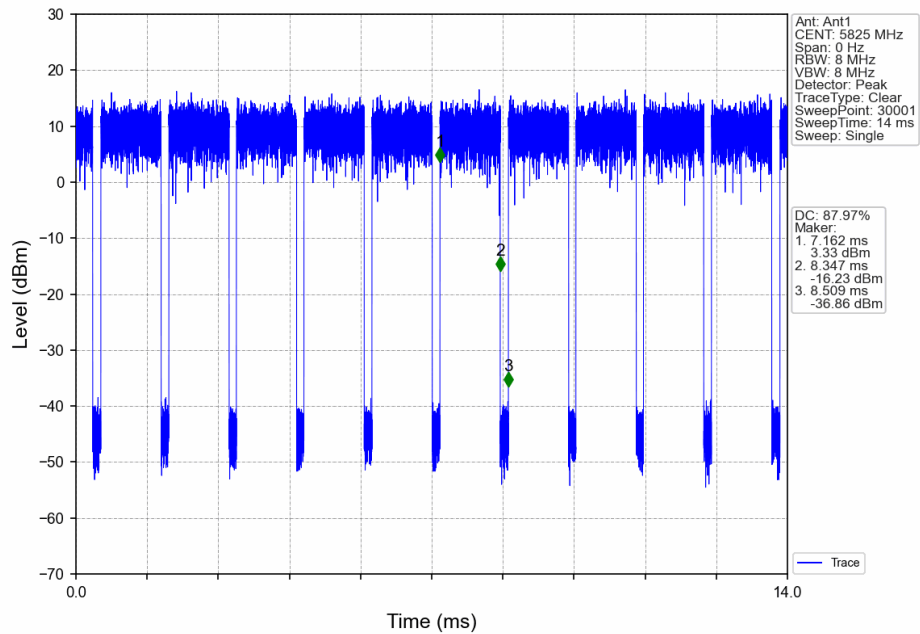
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



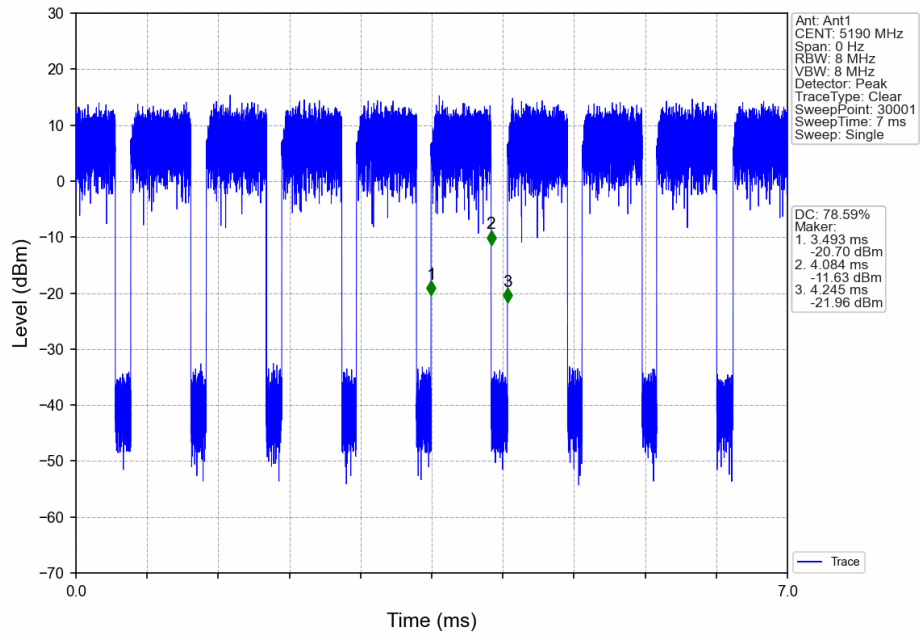
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



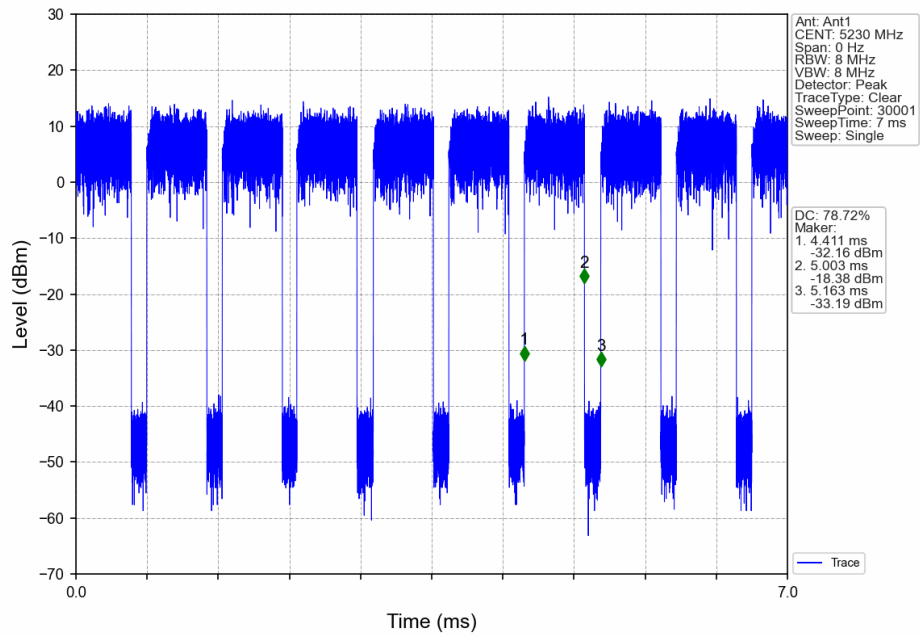
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



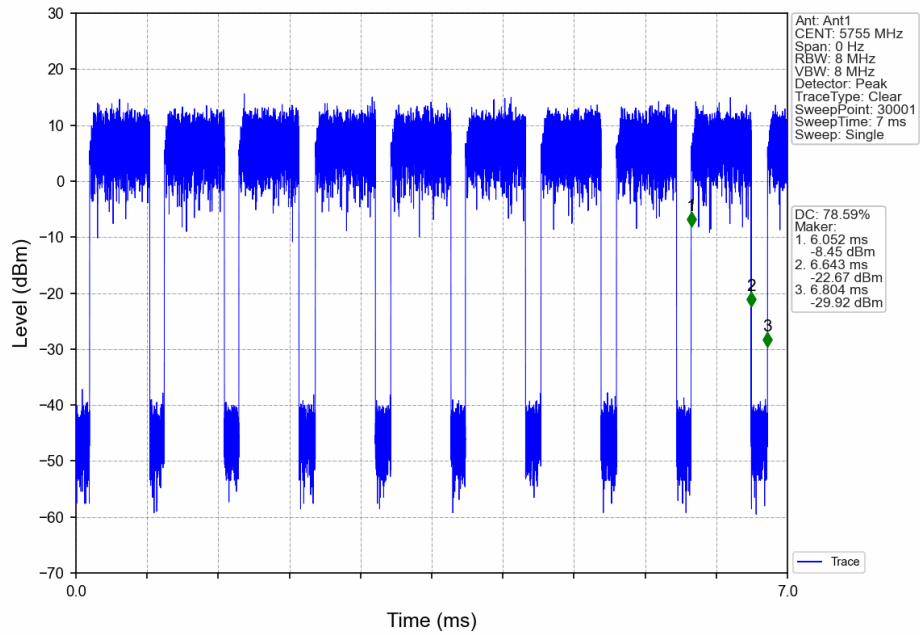
802.11ax(HEW40)\_LCH\_5190MHz\_RU484\_Left\_Ant1\_NTNV



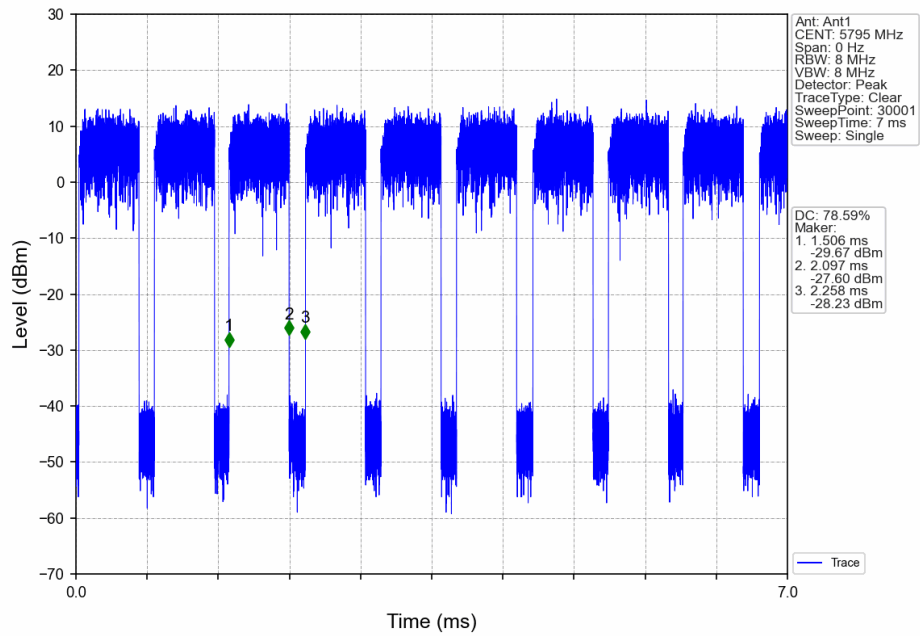
802.11ax(HEW40)\_HCH\_5230MHz\_RU484\_Left\_Ant1\_NTNV



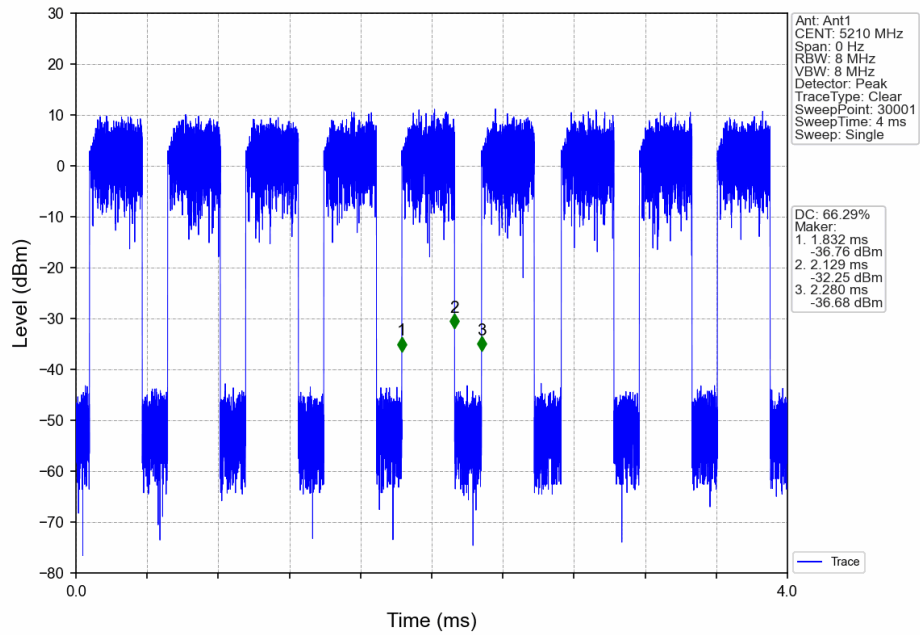
802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV



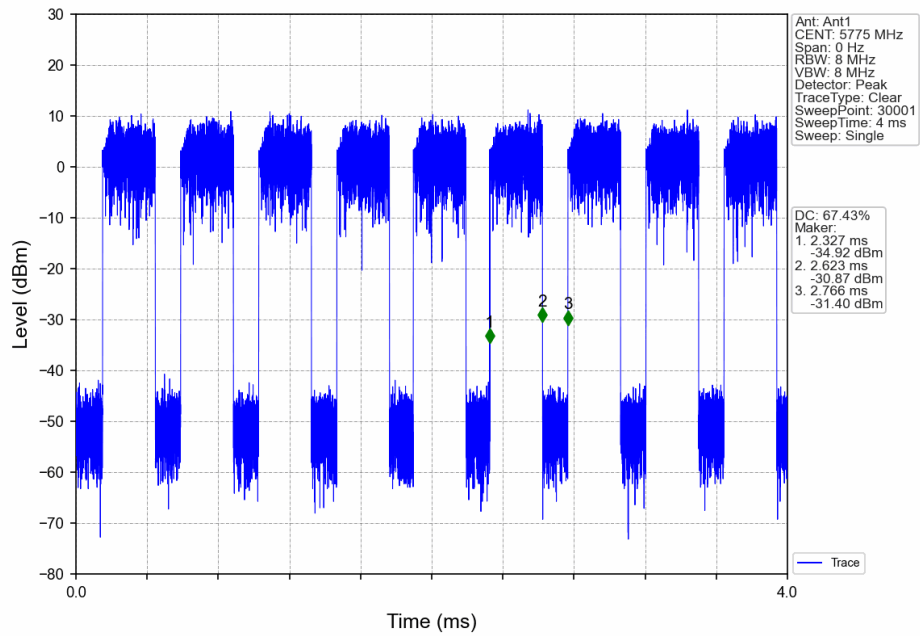
802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_MCH\_5775MHz\_RU996\_Left\_Ant1\_NTNV



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|----|--------|-----|------------------------------|-------|---------|
|                  |         |                 |    |        |     | Result                       | Limit |         |
| 802.11a          | SISO    | 5180            | /  | /      | 1   | 17.869                       | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 17.945                       | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 17.871                       | /     | Pass    |
|                  |         | 5745            | /  | /      | 1   | 17.854                       | /     | Pass    |
|                  |         | 5785            | /  | /      | 1   | 17.895                       | /     | Pass    |
|                  |         | 5825            | /  | /      | 1   | 17.712                       | /     | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | /  | /      | 1   | 19.670                       | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 19.680                       | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 19.673                       | /     | Pass    |
|                  |         | 5745            | /  | /      | 1   | 19.140                       | /     | Pass    |
|                  |         | 5785            | /  | /      | 1   | 19.440                       | /     | Pass    |
|                  |         | 5825            | /  | /      | 1   | 19.604                       | /     | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | /  | /      | 1   | 38.143                       | /     | Pass    |
|                  |         | 5230            | /  | /      | 1   | 38.233                       | /     | Pass    |
|                  |         | 5755            | /  | /      | 1   | 37.589                       | /     | Pass    |
|                  |         | 5795            | /  | /      | 1   | 37.889                       | /     | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | /  | /      | 1   | 19.385                       | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 19.978                       | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 19.456                       | /     | Pass    |
|                  |         | 5745            | /  | /      | 1   | 19.465                       | /     | Pass    |
|                  |         | 5785            | /  | /      | 1   | 19.503                       | /     | Pass    |
|                  |         | 5825            | /  | /      | 1   | 19.702                       | /     | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | /  | /      | 1   | 37.856                       | /     | Pass    |
|                  |         | 5230            | /  | /      | 1   | 38.046                       | /     | Pass    |
|                  |         | 5755            | /  | /      | 1   | 37.825                       | /     | Pass    |
|                  |         | 5795            | /  | /      | 1   | 38.033                       | /     | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | /  | /      | 1   | 18.409                       | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 18.413                       | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 18.365                       | /     | Pass    |
|                  |         | 5745            | /  | /      | 1   | 18.425                       | /     | Pass    |
|                  |         | 5785            | /  | /      | 1   | 18.364                       | /     | Pass    |
|                  |         | 5825            | /  | /      | 1   | 18.337                       | /     | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | /  | /      | 1   | 37.622                       | /     | Pass    |
|                  |         | 5230            | /  | /      | 1   | 37.647                       | /     | Pass    |
|                  |         | 5755            | /  | /      | 1   | 37.485                       | /     | Pass    |
|                  |         | 5795            | /  | /      | 1   | 37.698                       | /     | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | /  | /      | 1   | 76.391                       | /     | Pass    |
|                  |         | 5775            | /  | /      | 1   | 76.125                       | /     | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | /  | /      | 1   | 18.369                       | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 18.334                       | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 18.438                       | /     | Pass    |
|                  |         | 5745            | /  | /      | 1   | 18.304                       | /     | Pass    |
|                  |         | 5785            | /  | /      | 1   | 18.326                       | /     | Pass    |
|                  |         | 5825            | /  | /      | 1   | 18.445                       | /     | Pass    |
| 802.11ac (VHT40) | MIMO    | 5190            | /  | /      | 1   | 37.512                       | /     | Pass    |
|                  |         | 5230            | /  | /      | 1   | 37.868                       | /     | Pass    |



|                  |      |      |       |      |   |        |   |      |
|------------------|------|------|-------|------|---|--------|---|------|
|                  |      | 5755 | /     | /    | 1 | 37.586 | / | Pass |
|                  |      | 5795 | /     | /    | 1 | 37.684 | / | Pass |
| 802.11ac (VHT80) | MIMO | 5210 | /     | /    | 1 | 76.275 | / | Pass |
|                  |      | 5775 | /     | /    | 1 | 76.032 | / | Pass |
| 802.11ax (HEW20) | SISO | 5180 | RU242 | Left | 1 | 18.398 | / | Pass |
|                  |      | 5200 | RU242 | Left | 1 | 18.358 | / | Pass |
|                  |      | 5240 | RU242 | Left | 1 | 18.496 | / | Pass |
|                  |      | 5745 | RU242 | Left | 1 | 18.405 | / | Pass |
|                  |      | 5785 | RU242 | Left | 1 | 18.304 | / | Pass |
|                  |      | 5825 | RU242 | Left | 1 | 18.437 | / | Pass |
| 802.11ax (HEW40) | SISO | 5190 | RU484 | Left | 1 | 37.562 | / | Pass |
|                  |      | 5230 | RU484 | Left | 1 | 37.857 | / | Pass |
|                  |      | 5755 | RU484 | Left | 1 | 37.562 | / | Pass |
|                  |      | 5795 | RU484 | Left | 1 | 37.561 | / | Pass |
| 802.11ax (HEW80) | SISO | 5210 | RU996 | Left | 1 | 76.373 | / | Pass |
|                  |      | 5775 | RU996 | Left | 1 | 76.245 | / | Pass |
| 802.11ax (HEW20) | MIMO | 5180 | RU242 | Left | 1 | 18.373 | / | Pass |
|                  |      | 5200 | RU242 | Left | 1 | 18.395 | / | Pass |
|                  |      | 5240 | RU242 | Left | 1 | 18.492 | / | Pass |
|                  |      | 5745 | RU242 | Left | 1 | 18.376 | / | Pass |
|                  |      | 5785 | RU242 | Left | 1 | 18.354 | / | Pass |
|                  |      | 5825 | RU242 | Left | 1 | 18.379 | / | Pass |
| 802.11ax (HEW40) | MIMO | 5190 | RU484 | Left | 1 | 37.638 | / | Pass |
|                  |      | 5230 | RU484 | Left | 1 | 37.711 | / | Pass |
|                  |      | 5755 | RU484 | Left | 1 | 37.581 | / | Pass |
|                  |      | 5795 | RU484 | Left | 1 | 37.705 | / | Pass |
| 802.11ax (HEW80) | MIMO | 5210 | RU996 | Left | 1 | 76.372 | / | Pass |
|                  |      | 5775 | RU996 | Left | 1 | 76.302 | / | Pass |

## 2.1.2 6dB BW

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 6dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|----|--------|-----|---------------------|-------|---------|
|                  |         |                 |    |        |     | Result              | Limit |         |
| 802.11a          | SISO    | 5745            | /  | /      | 1   | 16.428              | >=0.5 | Pass    |
|                  |         | 5785            | /  | /      | 1   | 16.368              | >=0.5 | Pass    |
|                  |         | 5825            | /  | /      | 1   | 16.383              | >=0.5 | Pass    |
| 802.11n (HT20)   | SISO    | 5745            | /  | /      | 1   | 17.417              | >=0.5 | Pass    |
|                  |         | 5785            | /  | /      | 1   | 17.411              | >=0.5 | Pass    |
|                  |         | 5825            | /  | /      | 1   | 17.463              | >=0.5 | Pass    |
| 802.11n (HT40)   | SISO    | 5755            | /  | /      | 1   | 36.315              | >=0.5 | Pass    |
|                  |         | 5795            | /  | /      | 1   | 36.088              | >=0.5 | Pass    |
| 802.11n (HT20)   | MIMO    | 5745            | /  | /      | 1   | 17.429              | >=0.5 | Pass    |
|                  |         | 5785            | /  | /      | 1   | 17.304              | >=0.5 | Pass    |
|                  |         | 5825            | /  | /      | 1   | 17.312              | >=0.5 | Pass    |
| 802.11n (HT40)   | MIMO    | 5755            | /  | /      | 1   | 36.167              | >=0.5 | Pass    |
|                  |         | 5795            | /  | /      | 1   | 36.231              | >=0.5 | Pass    |
| 802.11ac (VHT20) | SISO    | 5745            | /  | /      | 1   | 17.301              | >=0.5 | Pass    |
|                  |         | 5785            | /  | /      | 1   | 17.432              | >=0.5 | Pass    |
|                  |         | 5825            | /  | /      | 1   | 17.452              | >=0.5 | Pass    |
| 802.11ac (VHT40) | SISO    | 5755            | /  | /      | 1   | 36.200              | >=0.5 | Pass    |
|                  |         | 5795            | /  | /      | 1   | 36.155              | >=0.5 | Pass    |
| 802.11ac (VHT80) | SISO    | 5775            | /  | /      | 1   | 75.575              | >=0.5 | Pass    |
| 802.11ac (VHT20) | MIMO    | 5745            | /  | /      | 1   | 17.317              | >=0.5 | Pass    |
|                  |         | 5785            | /  | /      | 1   | 17.302              | >=0.5 | Pass    |
|                  |         | 5825            | /  | /      | 1   | 17.411              | >=0.5 | Pass    |

|                  |      |      |       |      |   |        |       |      |
|------------------|------|------|-------|------|---|--------|-------|------|
| 802.11ac (VHT40) | MIMO | 5755 | /     | /    | 1 | 36.408 | >=0.5 | Pass |
|                  |      | 5795 | /     | /    | 1 | 36.039 | >=0.5 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | /     | /    | 1 | 75.330 | >=0.5 | Pass |
| 802.11ax (HEW20) | SISO | 5745 | RU242 | Left | 1 | 17.550 | >=0.5 | Pass |
|                  |      | 5785 | RU242 | Left | 1 | 17.321 | >=0.5 | Pass |
|                  |      | 5825 | RU242 | Left | 1 | 17.336 | >=0.5 | Pass |
| 802.11ax (HEW40) | SISO | 5755 | RU484 | Left | 1 | 36.297 | >=0.5 | Pass |
|                  |      | 5795 | RU484 | Left | 1 | 36.242 | >=0.5 | Pass |
| 802.11ax (HEW80) | SISO | 5775 | RU996 | Left | 1 | 75.665 | >=0.5 | Pass |
| 802.11ax (HEW20) | MIMO | 5745 | RU242 | Left | 1 | 17.292 | >=0.5 | Pass |
|                  |      | 5785 | RU242 | Left | 1 | 17.326 | >=0.5 | Pass |
|                  |      | 5825 | RU242 | Left | 1 | 17.412 | >=0.5 | Pass |
| 802.11ax (HEW40) | MIMO | 5755 | RU484 | Left | 1 | 36.346 | >=0.5 | Pass |
|                  |      | 5795 | RU484 | Left | 1 | 36.085 | >=0.5 | Pass |
| 802.11ax (HEW80) | MIMO | 5775 | RU996 | Left | 1 | 75.625 | >=0.5 | Pass |

### 2.1.3 26dB BW

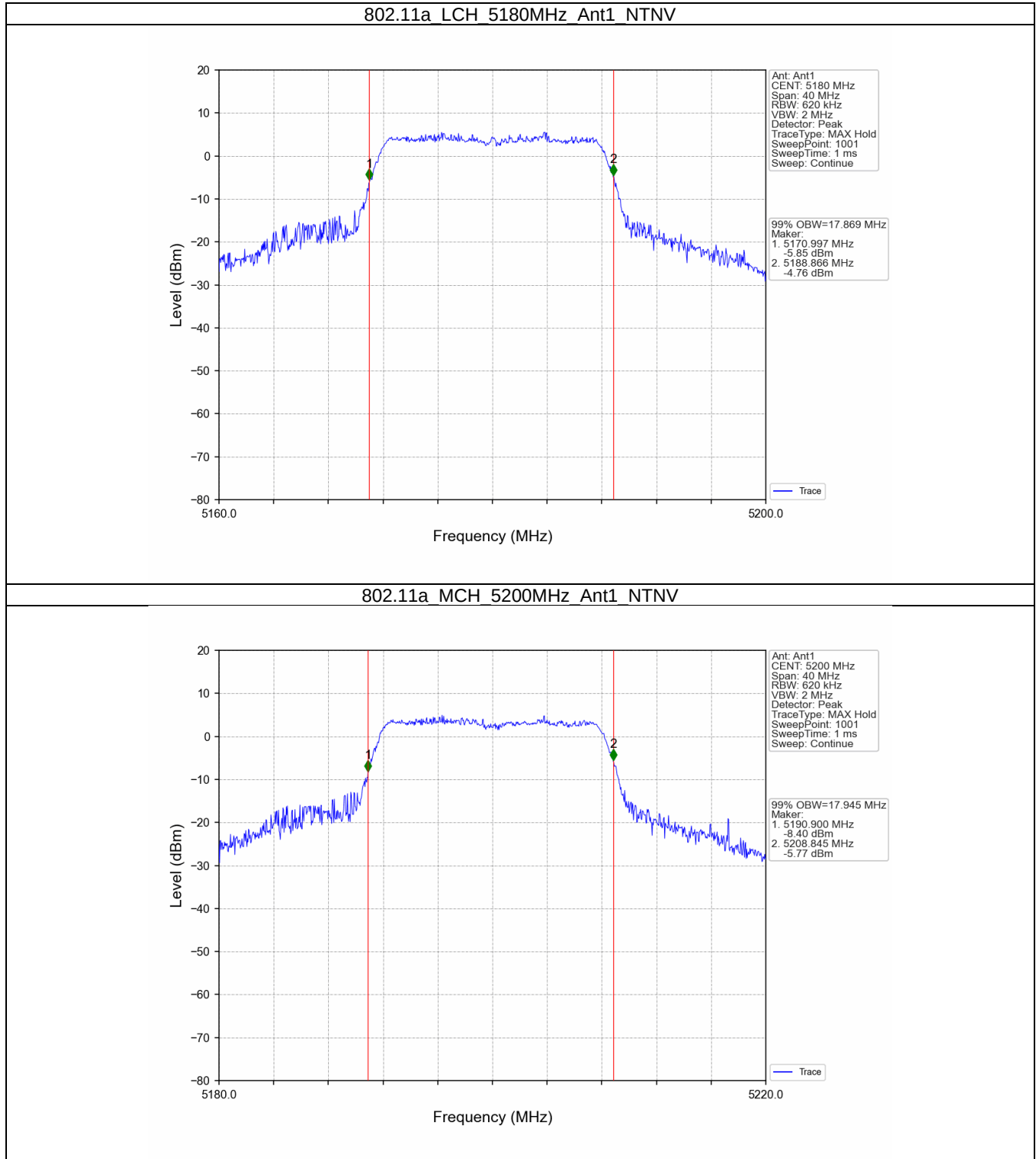
| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-----|----------------------|-------|---------|
|                  |         |                 |       |        |     | Result               | Limit |         |
| 802.11a          | SISO    | 5180            | /     | /      | 1   | 27.097               | /     | Pass    |
|                  |         | 5200            | /     | /      | 1   | 25.495               | /     | Pass    |
|                  |         | 5240            | /     | /      | 1   | 28.994               | /     | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | /     | /      | 1   | 27.815               | /     | Pass    |
|                  |         | 5200            | /     | /      | 1   | 28.509               | /     | Pass    |
|                  |         | 5240            | /     | /      | 1   | 30.334               | /     | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | /     | /      | 1   | 58.655               | /     | Pass    |
|                  |         | 5230            | /     | /      | 1   | 62.091               | /     | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | /     | /      | 1   | 30.504               | /     | Pass    |
|                  |         | 5200            | /     | /      | 1   | 29.655               | /     | Pass    |
|                  |         | 5240            | /     | /      | 1   | 29.518               | /     | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | /     | /      | 1   | 56.859               | /     | Pass    |
|                  |         | 5230            | /     | /      | 1   | 58.727               | /     | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | /     | /      | 1   | 29.727               | /     | Pass    |
|                  |         | 5200            | /     | /      | 1   | 25.449               | /     | Pass    |
|                  |         | 5240            | /     | /      | 1   | 28.910               | /     | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | /     | /      | 1   | 62.223               | /     | Pass    |
|                  |         | 5230            | /     | /      | 1   | 62.541               | /     | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | /     | /      | 1   | 89.443               | /     | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | /     | /      | 1   | 25.499               | /     | Pass    |
|                  |         | 5200            | /     | /      | 1   | 27.377               | /     | Pass    |
|                  |         | 5240            | /     | /      | 1   | 27.949               | /     | Pass    |
| 802.11ac (VHT40) | MIMO    | 5190            | /     | /      | 1   | 62.401               | /     | Pass    |
|                  |         | 5230            | /     | /      | 1   | 69.207               | /     | Pass    |
| 802.11ac (VHT80) | MIMO    | 5210            | /     | /      | 1   | 86.972               | /     | Pass    |
| 802.11ax (HEW20) | SISO    | 5180            | RU242 | Left   | 1   | 27.995               | /     | Pass    |
|                  |         | 5200            | RU242 | Left   | 1   | 27.210               | /     | Pass    |
|                  |         | 5240            | RU242 | Left   | 1   | 30.105               | /     | Pass    |
| 802.11ax (HEW40) | SISO    | 5190            | RU484 | Left   | 1   | 62.463               | /     | Pass    |
|                  |         | 5230            | RU484 | Left   | 1   | 68.727               | /     | Pass    |
| 802.11ax (HEW80) | SISO    | 5210            | RU996 | Left   | 1   | 89.511               | /     | Pass    |



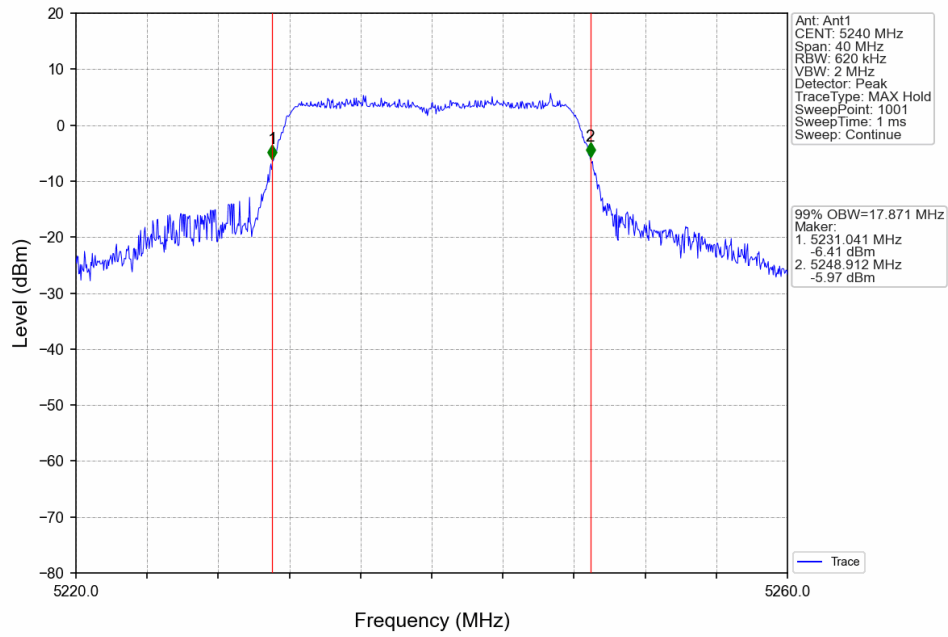
|                     |      |      |       |      |   |        |   |      |
|---------------------|------|------|-------|------|---|--------|---|------|
| 802.11ax<br>(HEW20) | MIMO | 5180 | RU242 | Left | 1 | 28.287 | / | Pass |
|                     |      | 5200 | RU242 | Left | 1 | 27.059 | / | Pass |
|                     |      | 5240 | RU242 | Left | 1 | 30.136 | / | Pass |
| 802.11ax<br>(HEW40) | MIMO | 5190 | RU484 | Left | 1 | 62.373 | / | Pass |
|                     |      | 5230 | RU484 | Left | 1 | 62.696 | / | Pass |
| 802.11ax<br>(HEW80) | MIMO | 5210 | RU996 | Left | 1 | 87.909 | / | Pass |

## 2.2 Test Graph

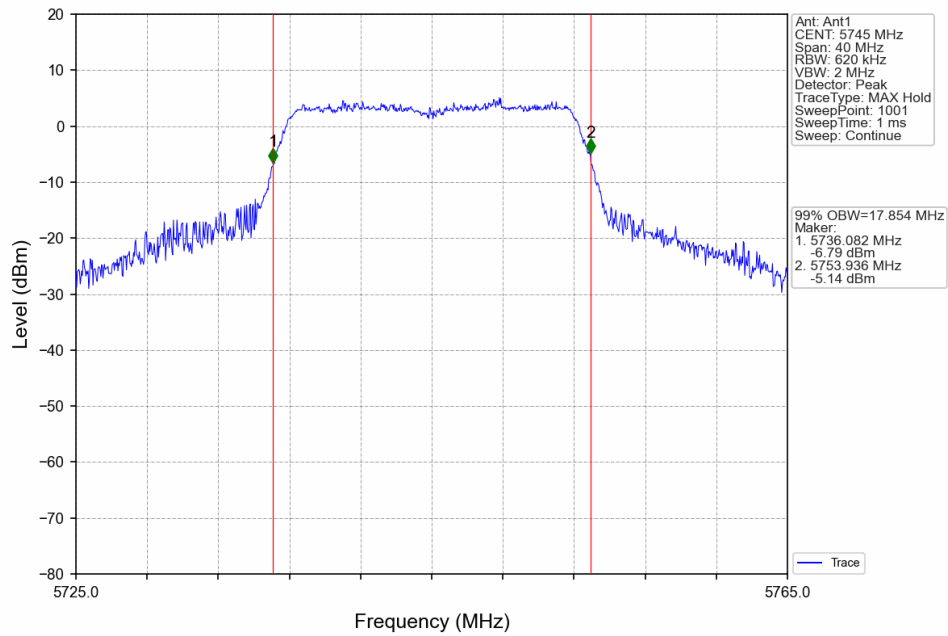
### 2.2.1 OBW



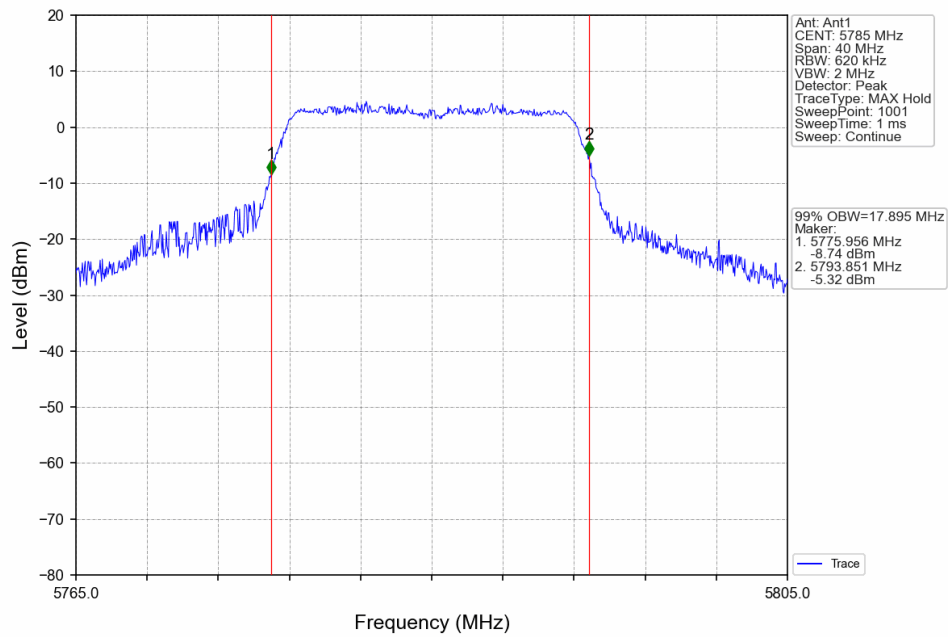
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



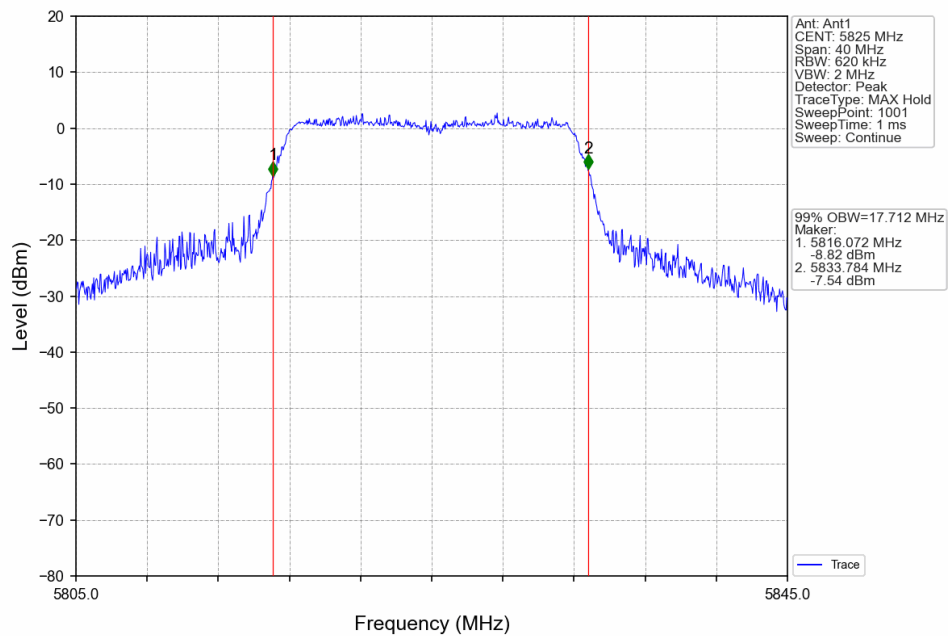
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



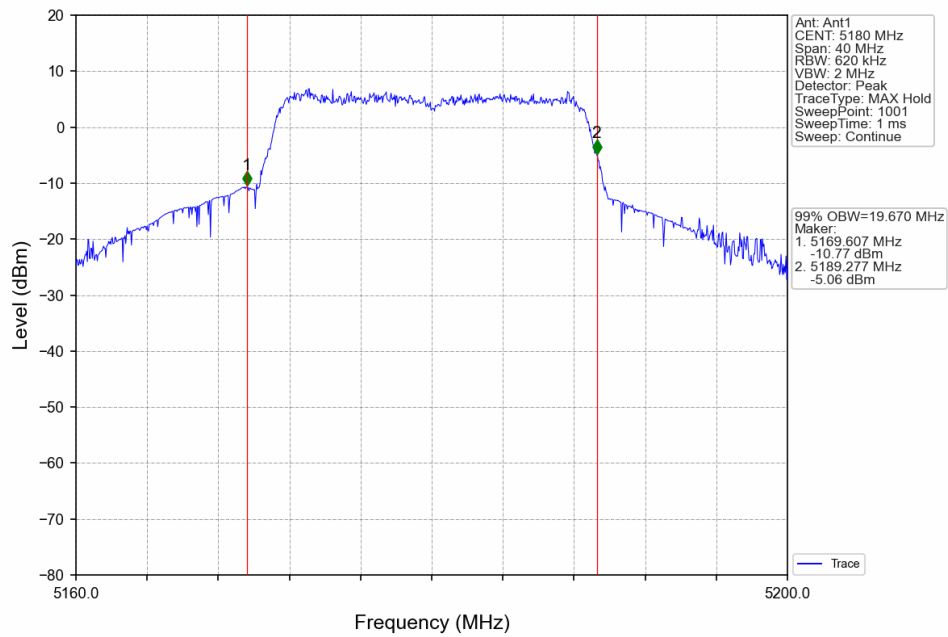
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



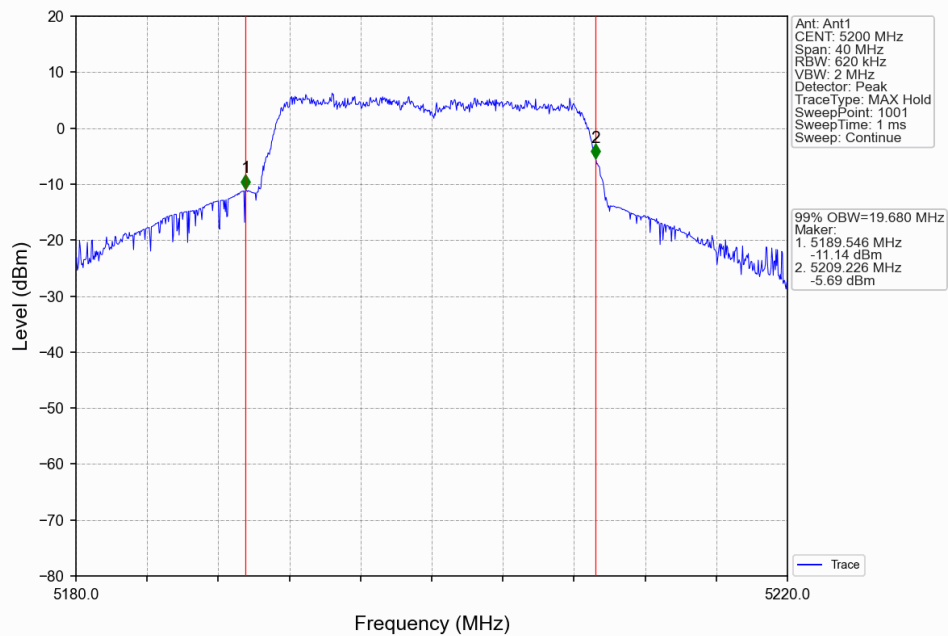
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



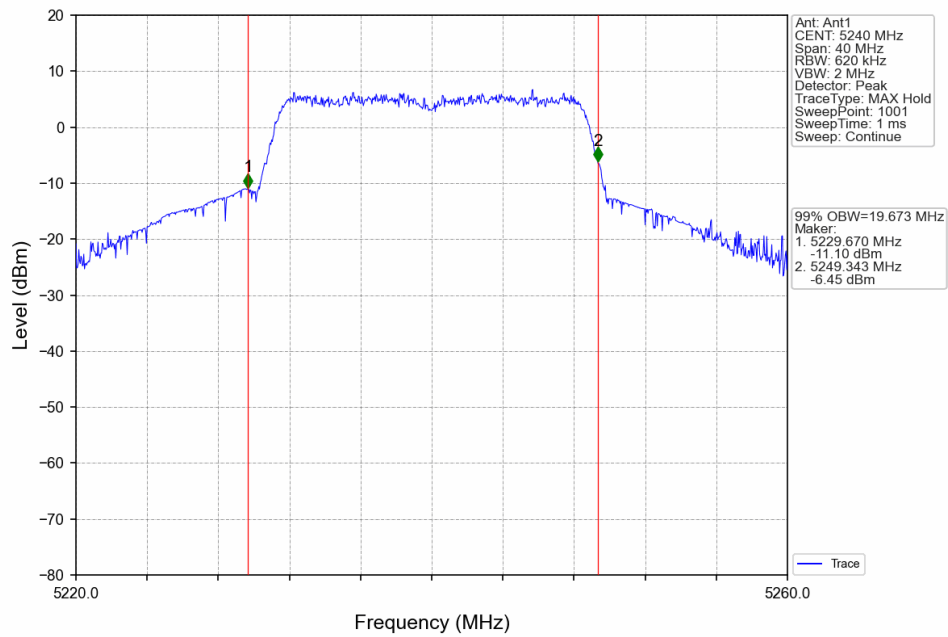
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



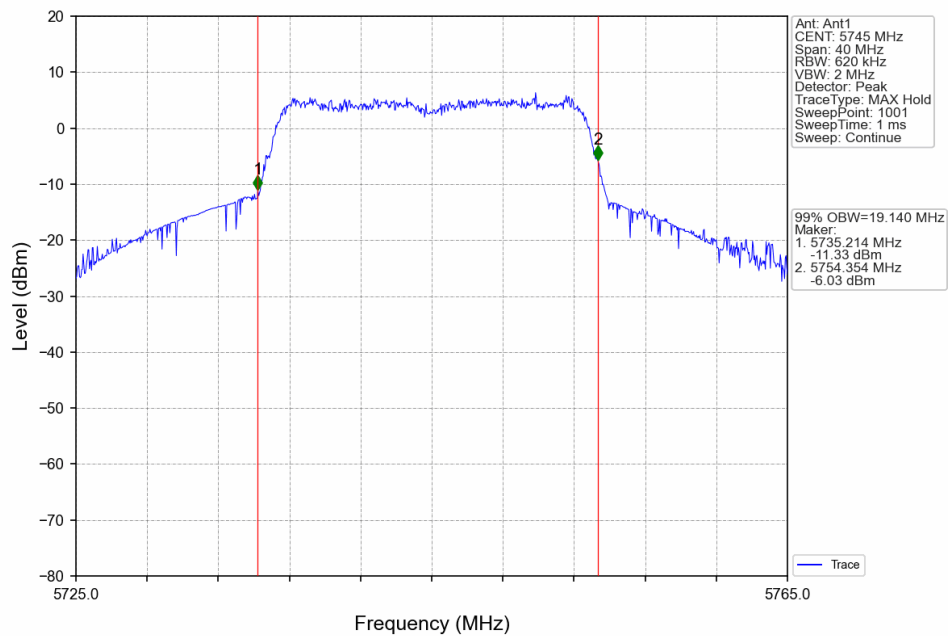
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV

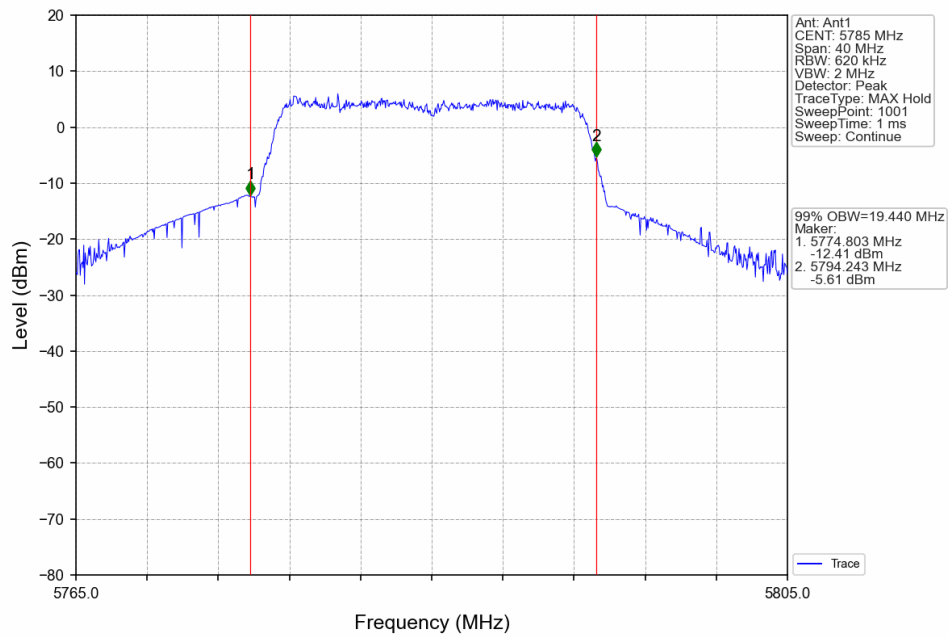


802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV

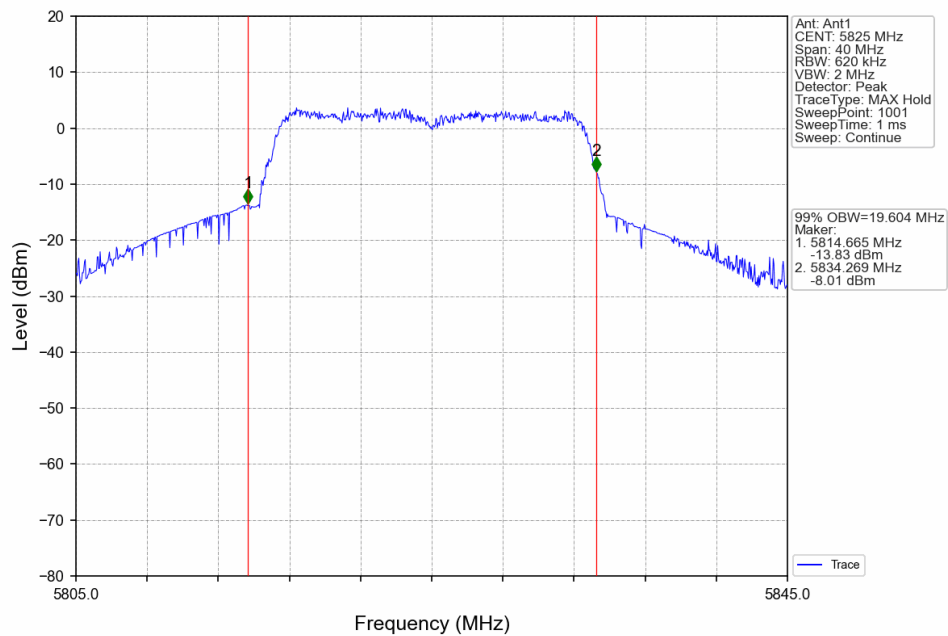




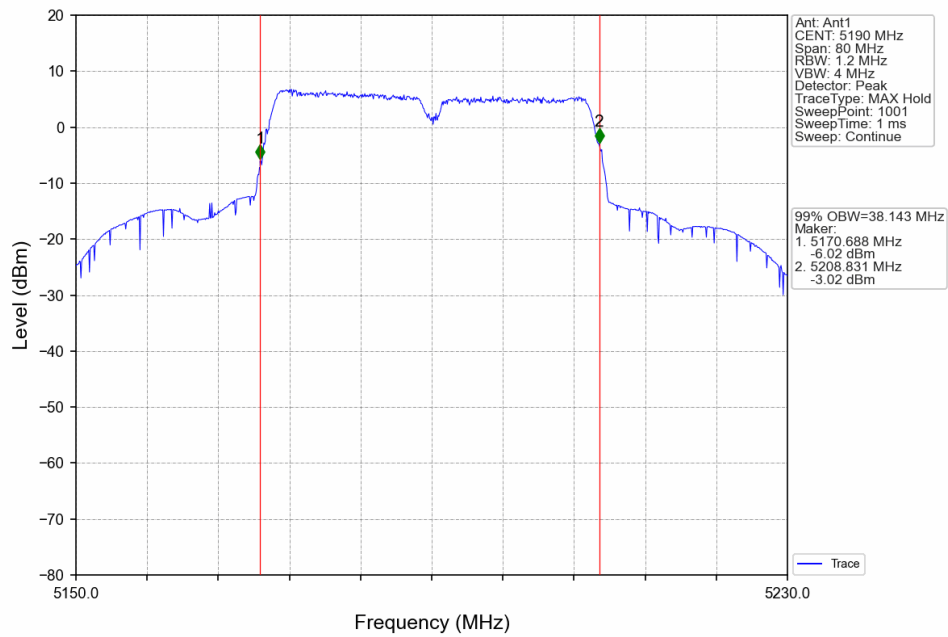
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



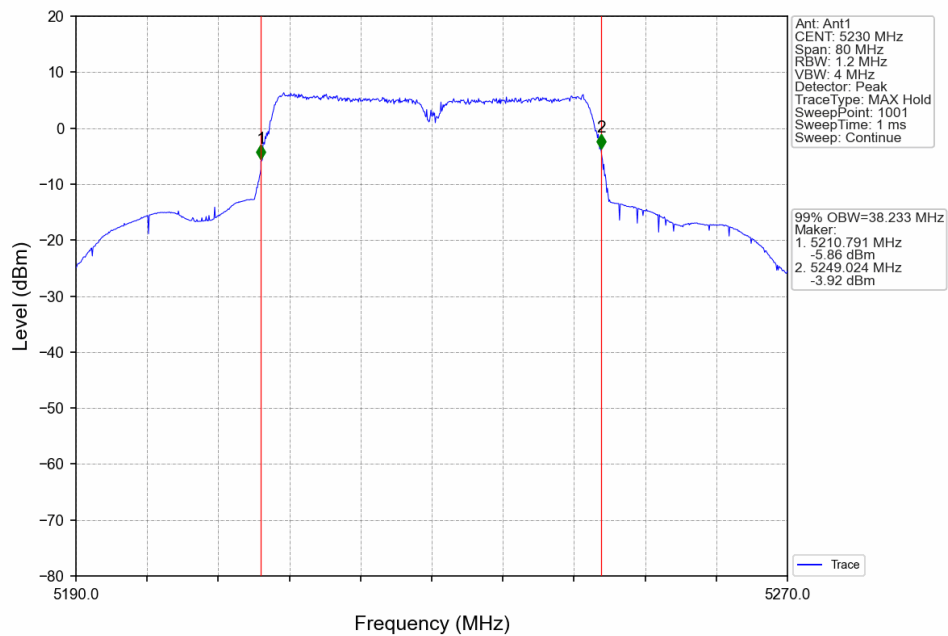
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



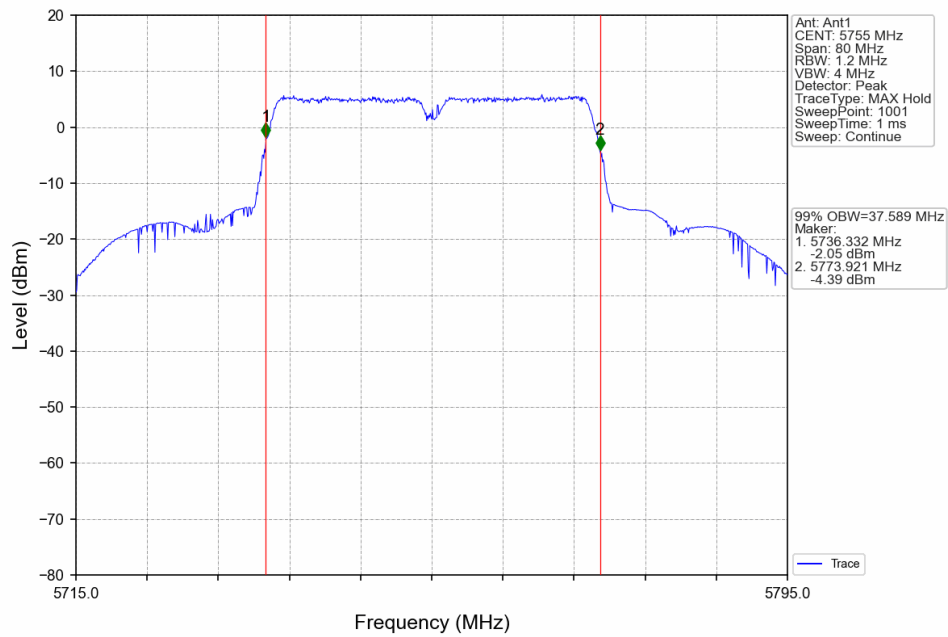
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



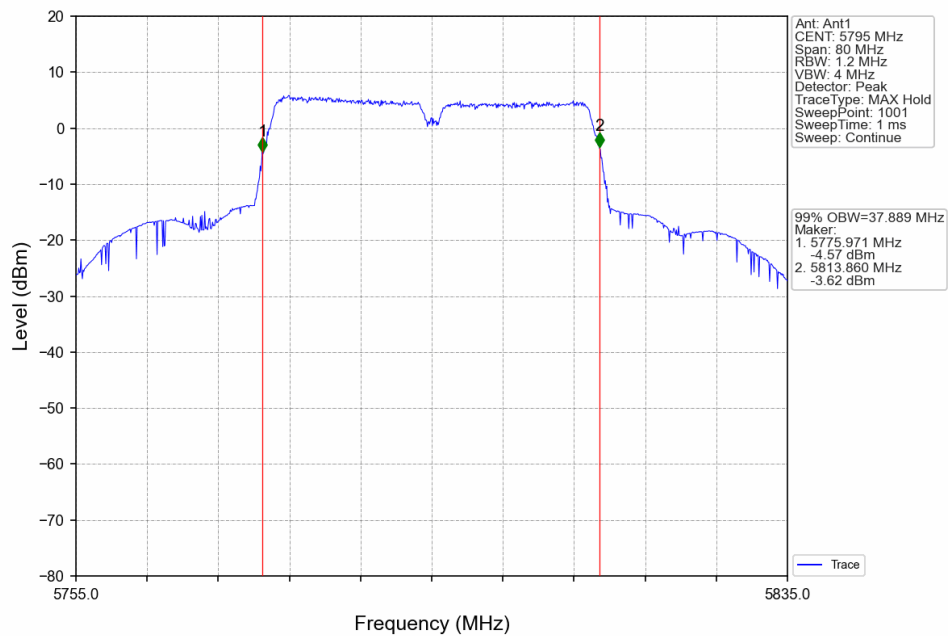
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



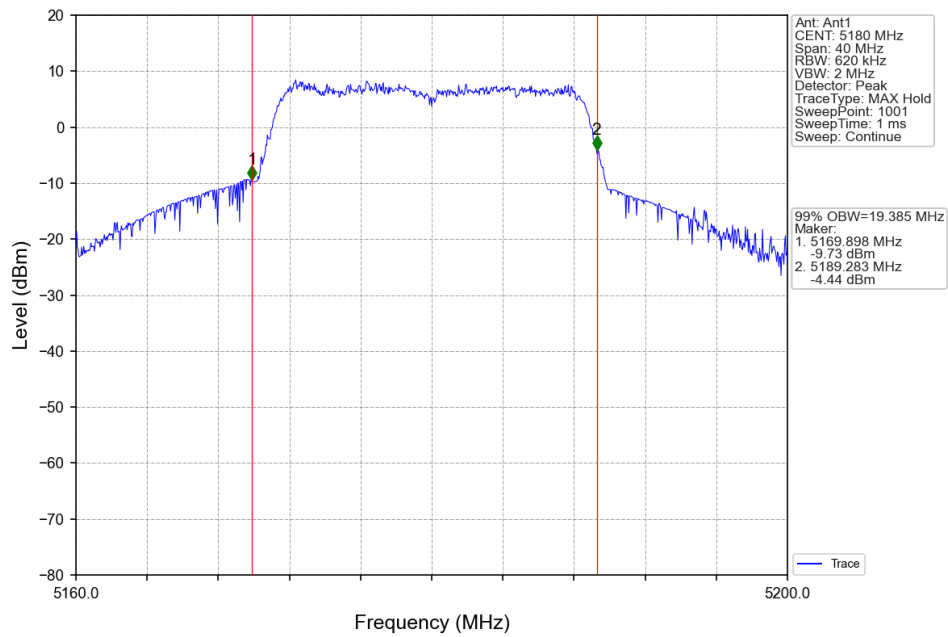
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



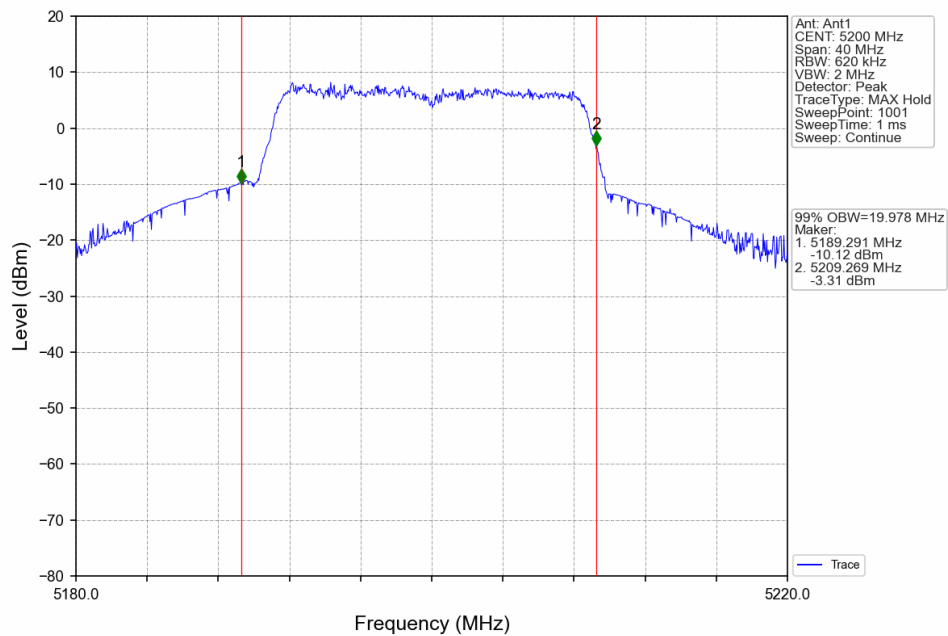
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



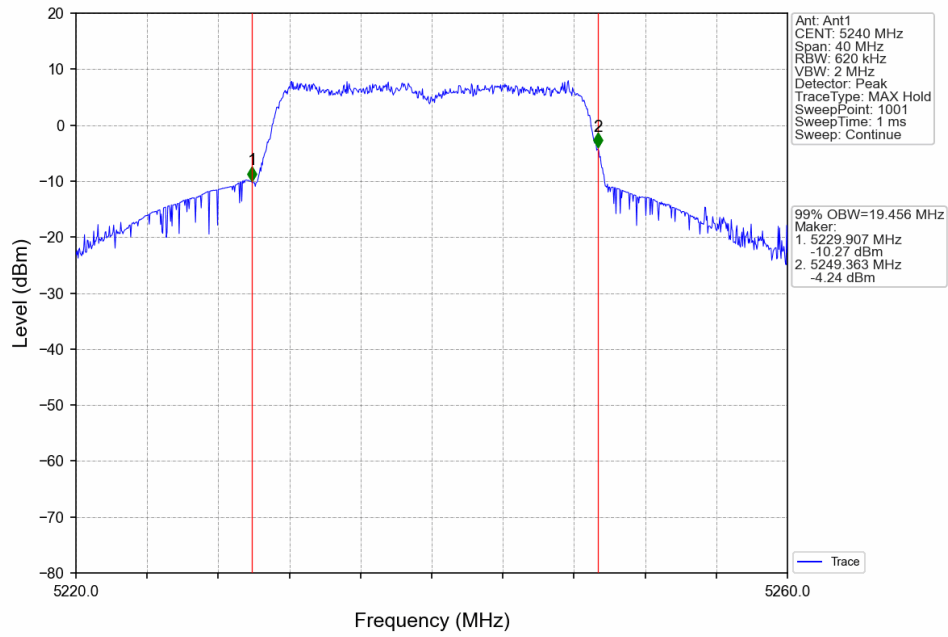
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



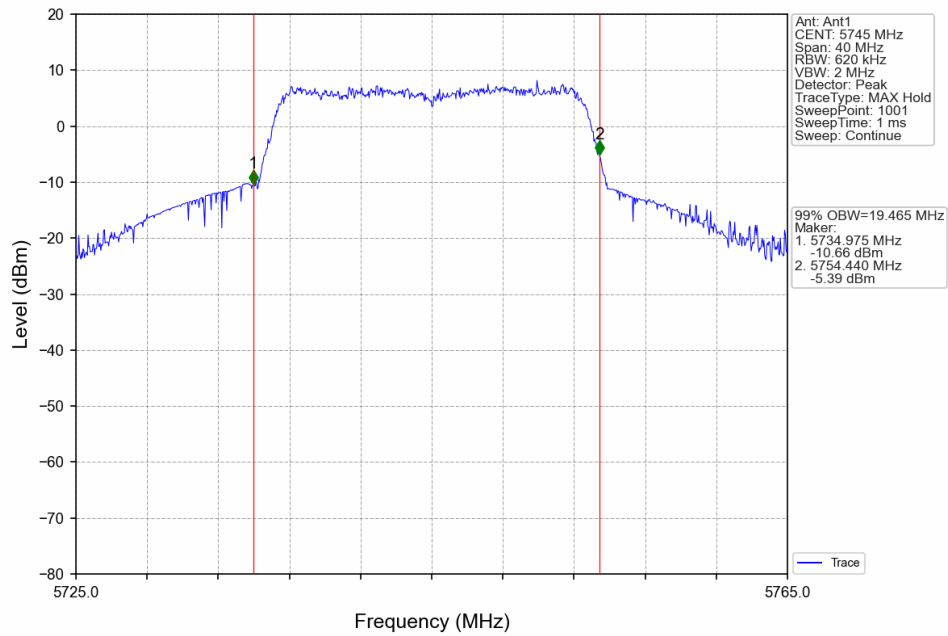
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



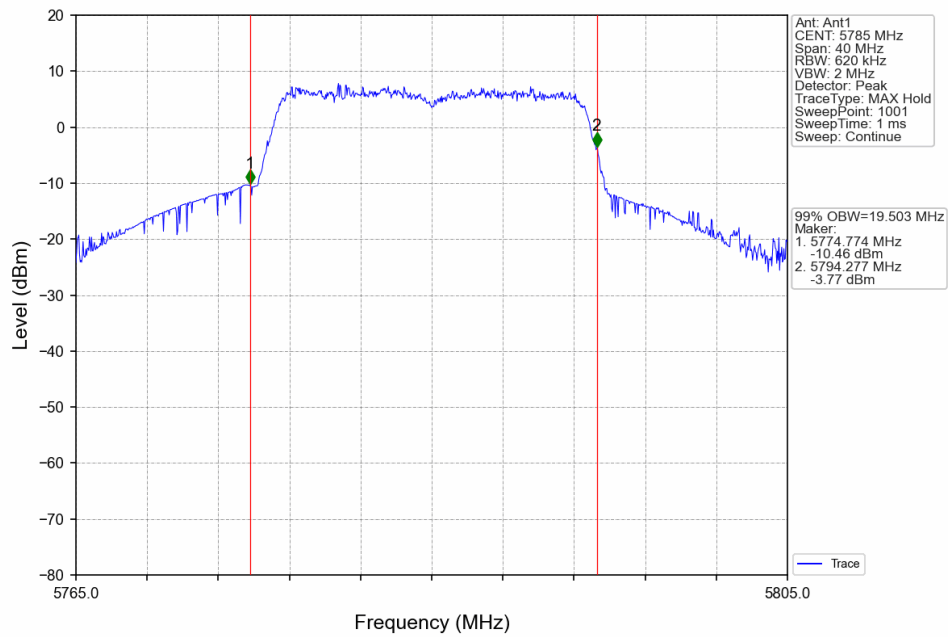
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



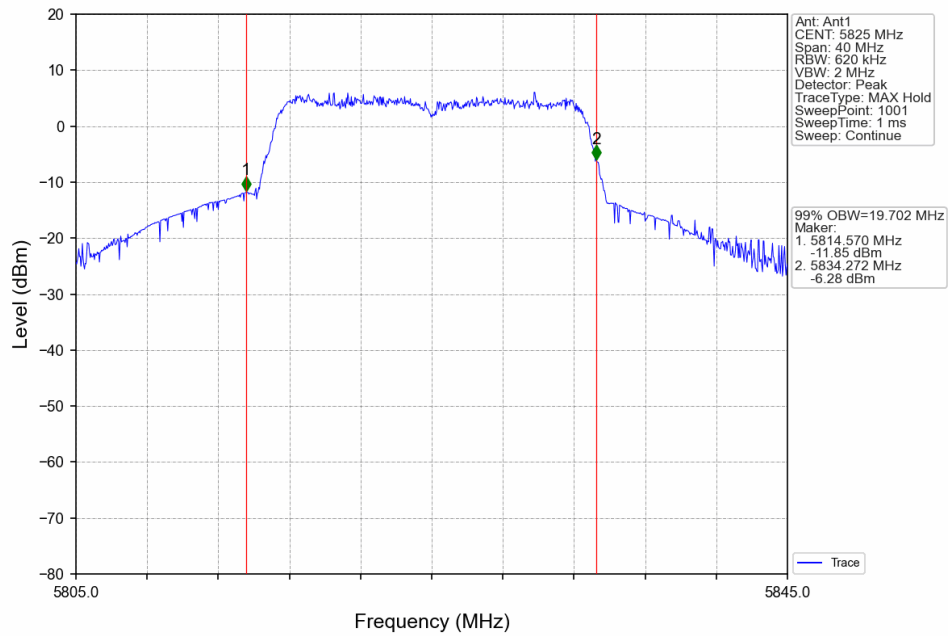
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



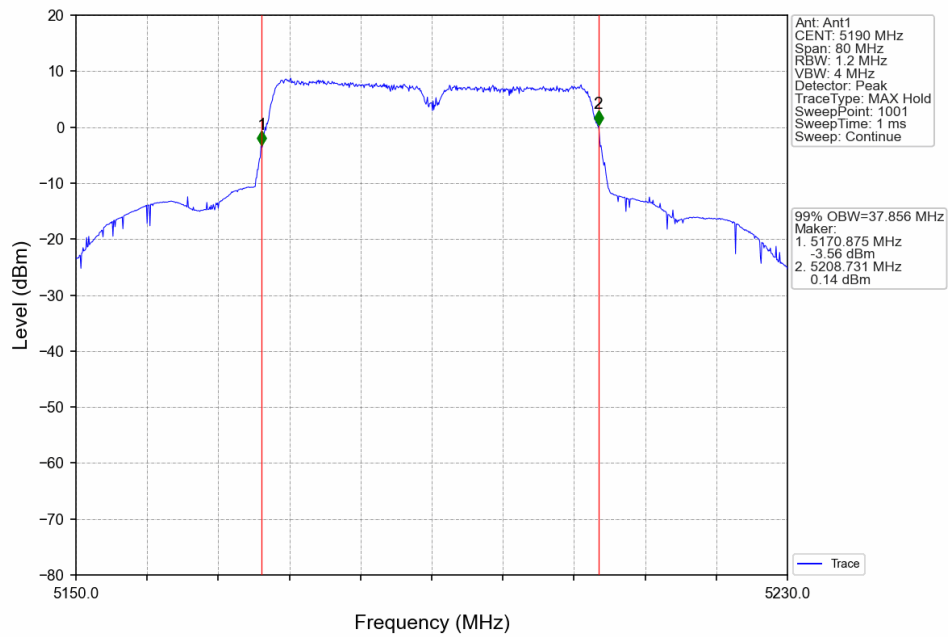
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



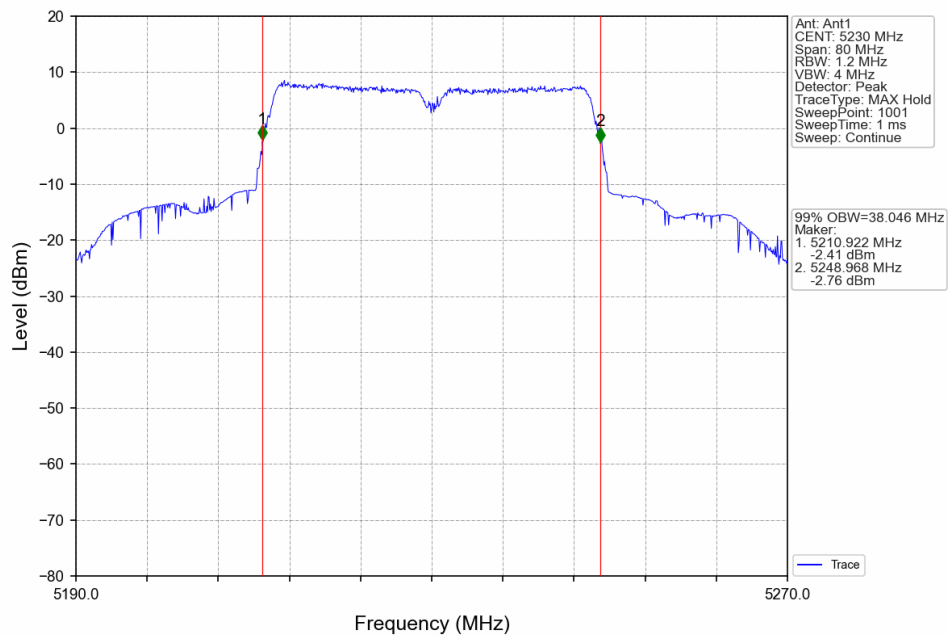
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



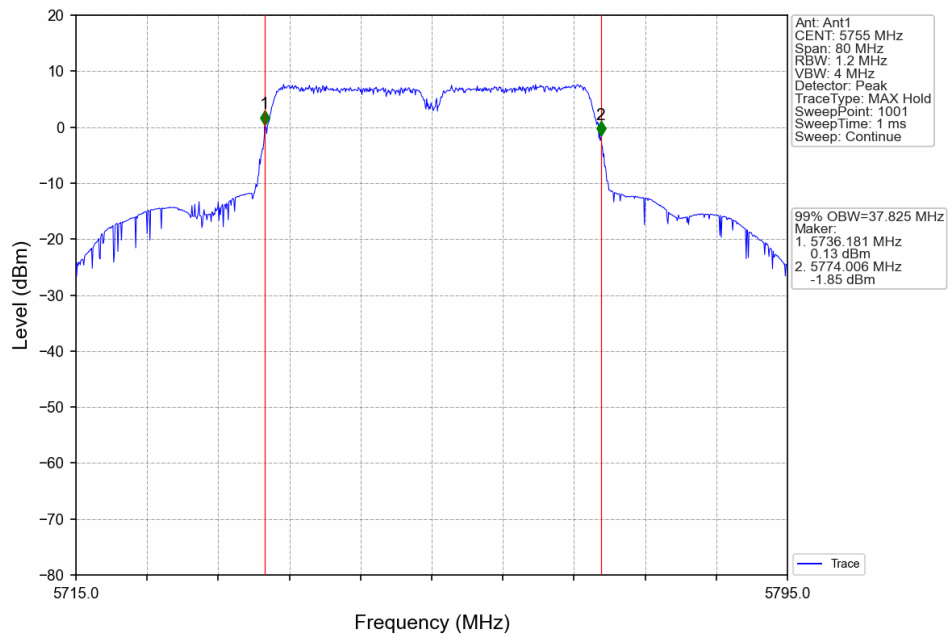
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



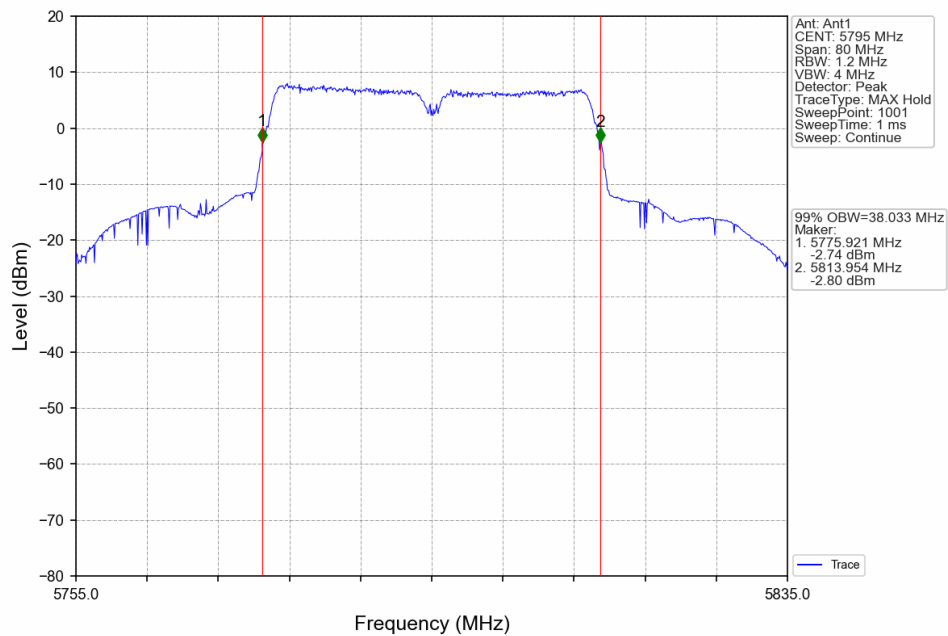
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



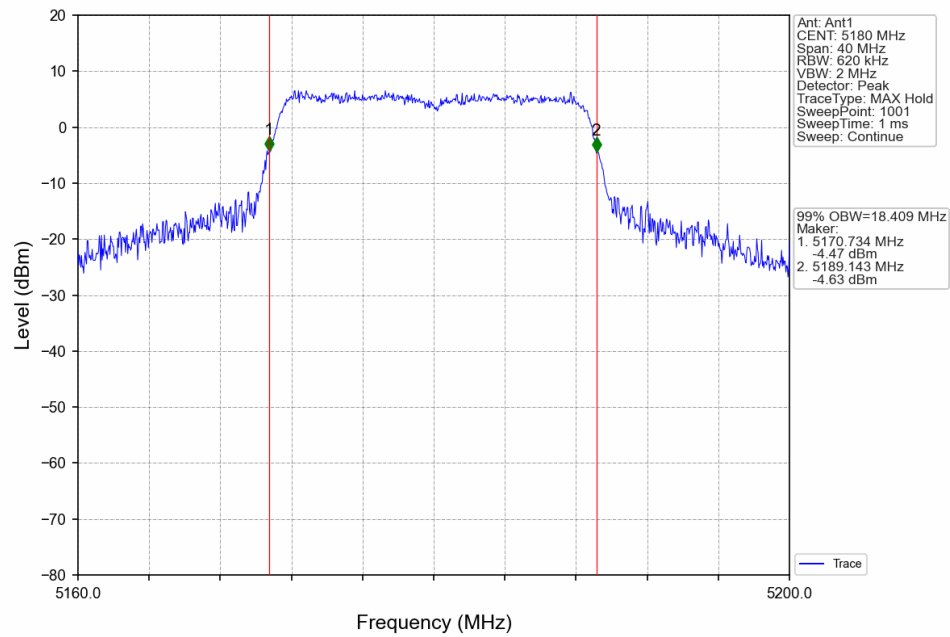
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV







802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV

