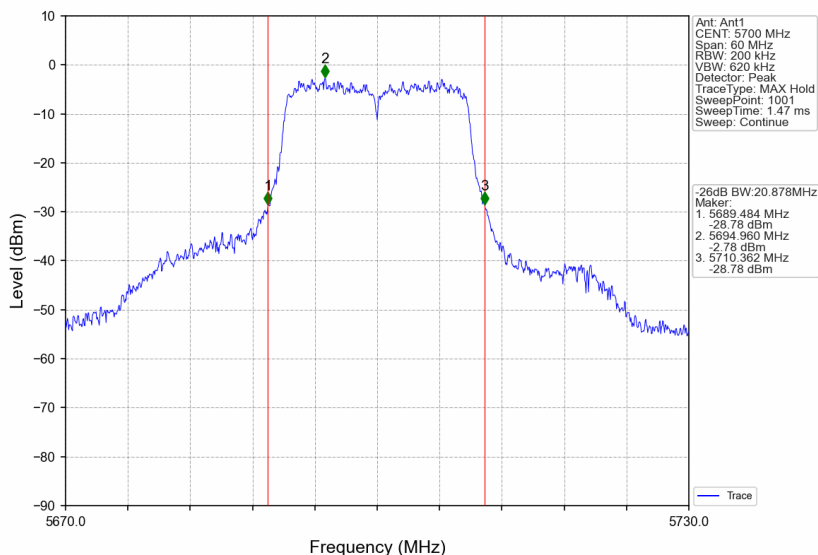
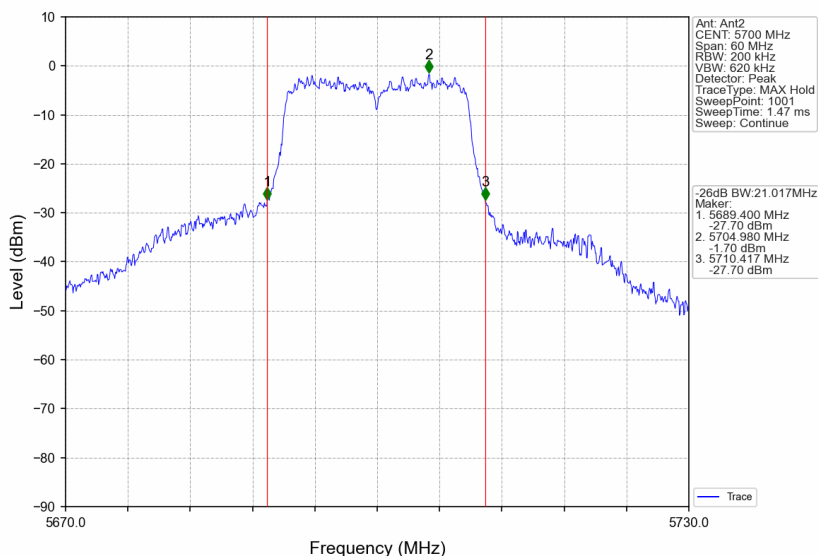


### 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



### 802.11n(HT20)\_HCH\_5700MHz\_Ant2\_NTNV



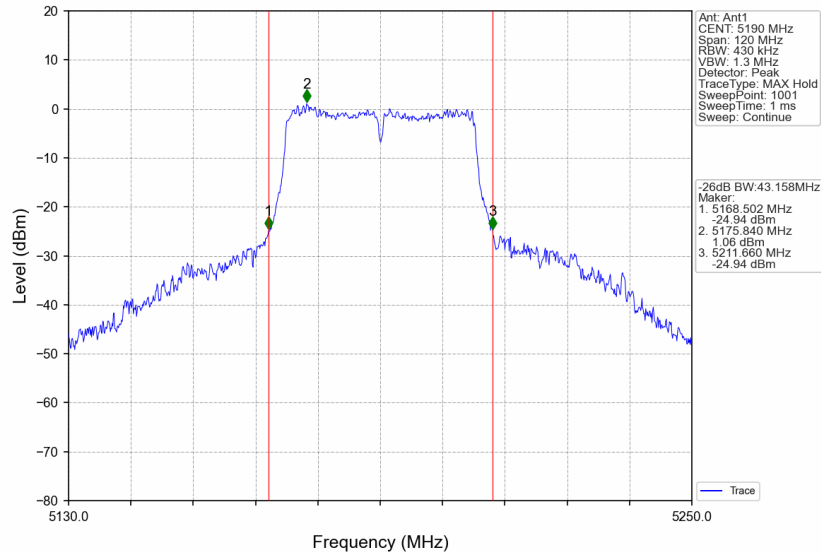
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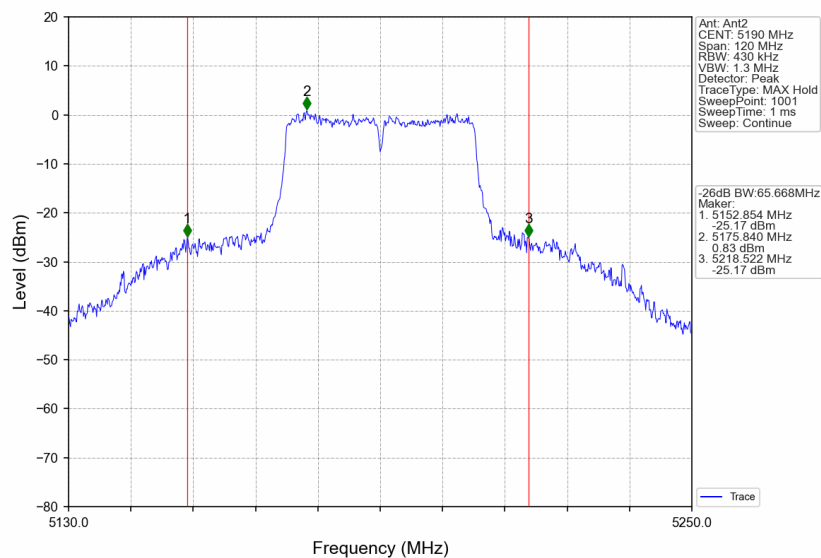
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### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



### 802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



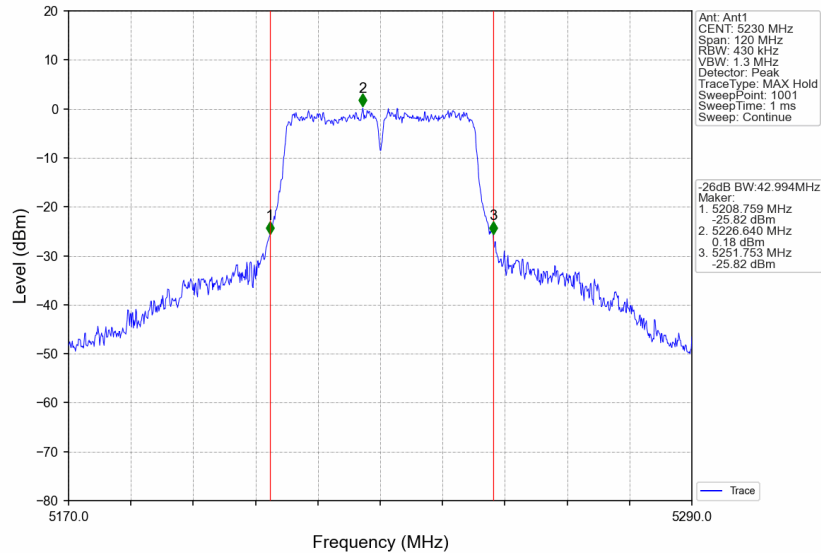
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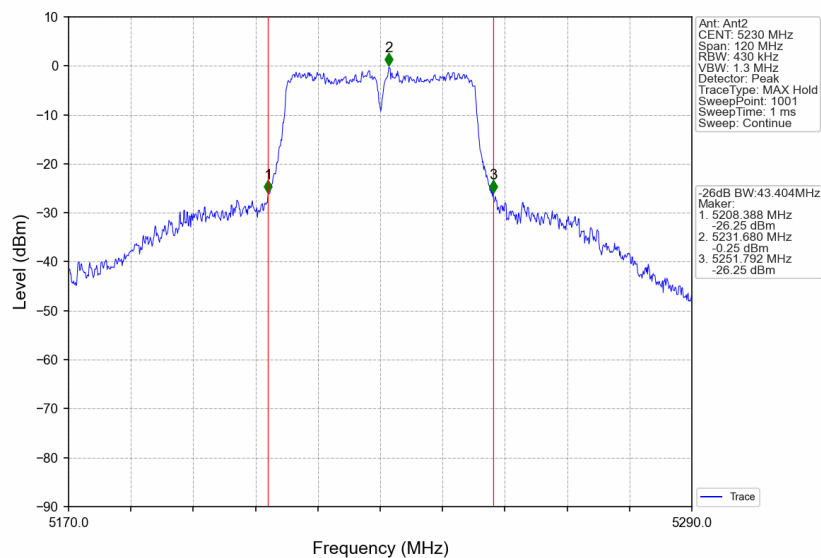
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### 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



### 802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV



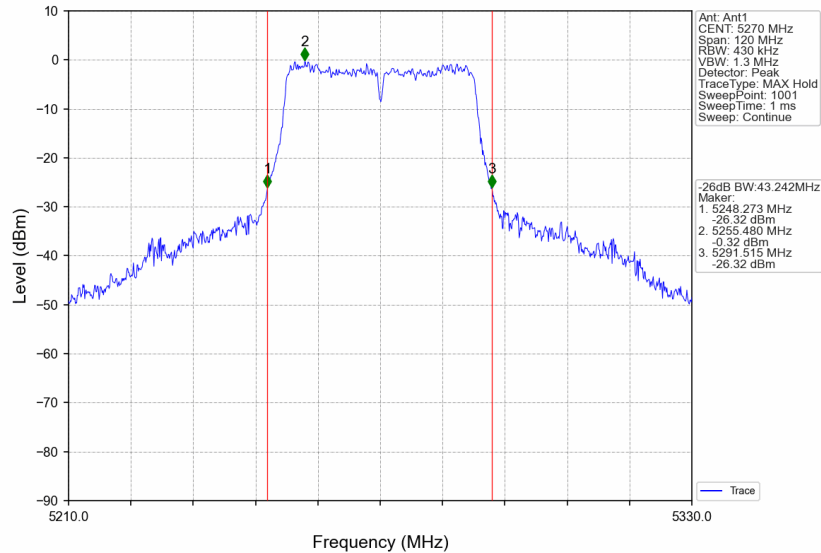
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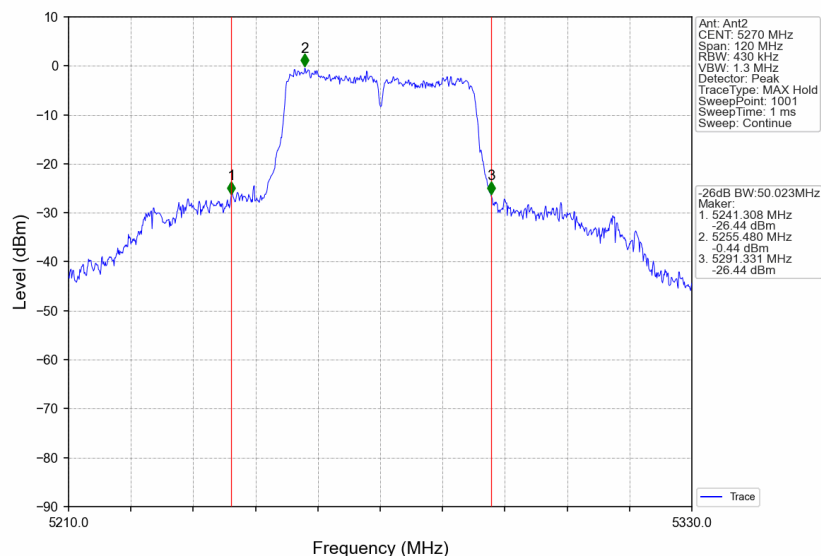
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### 802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



### 802.11n(HT40)\_LCH\_5270MHz\_Ant2\_NTNV



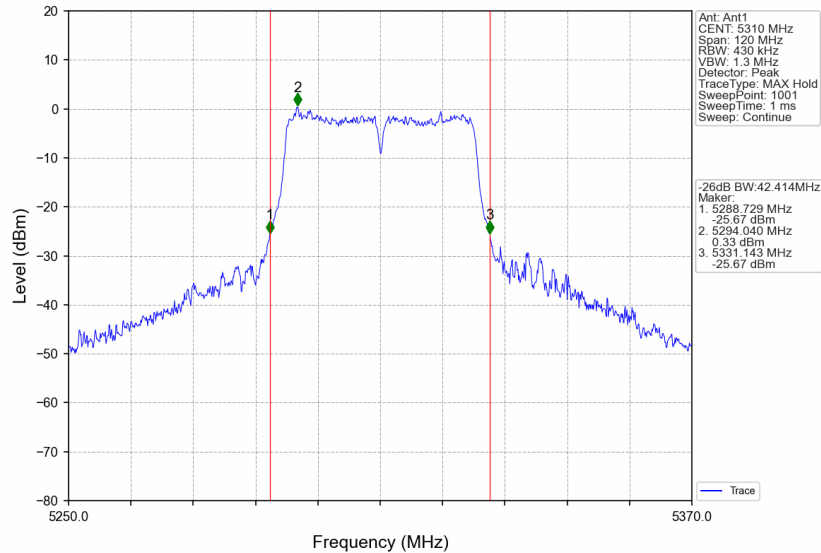
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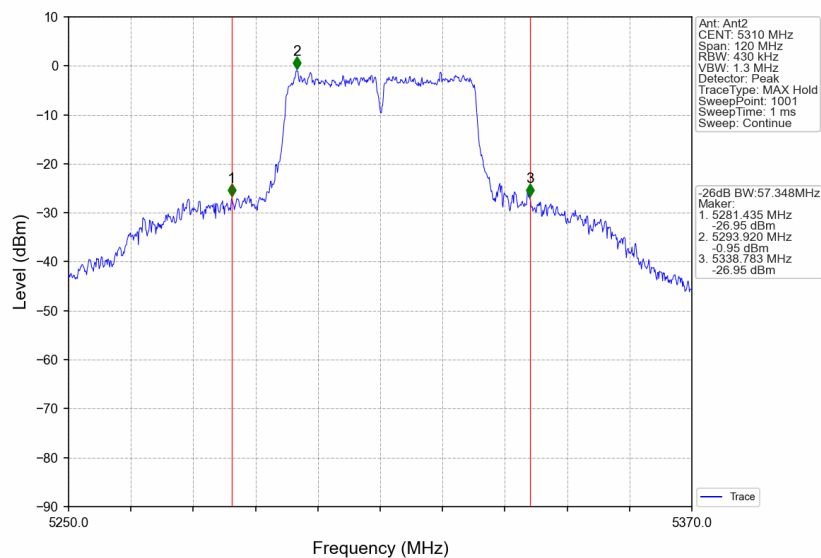
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### 802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



### 802.11n(HT40)\_HCH\_5310MHz\_Ant2\_NTNV



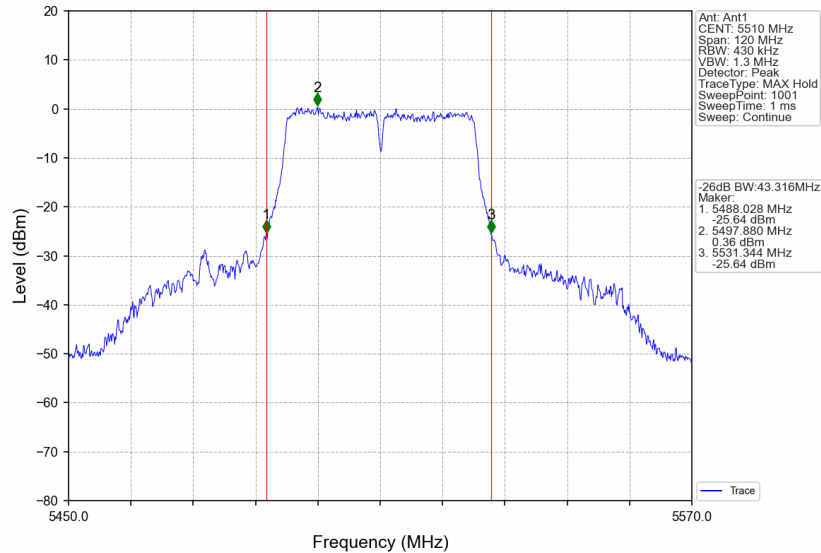
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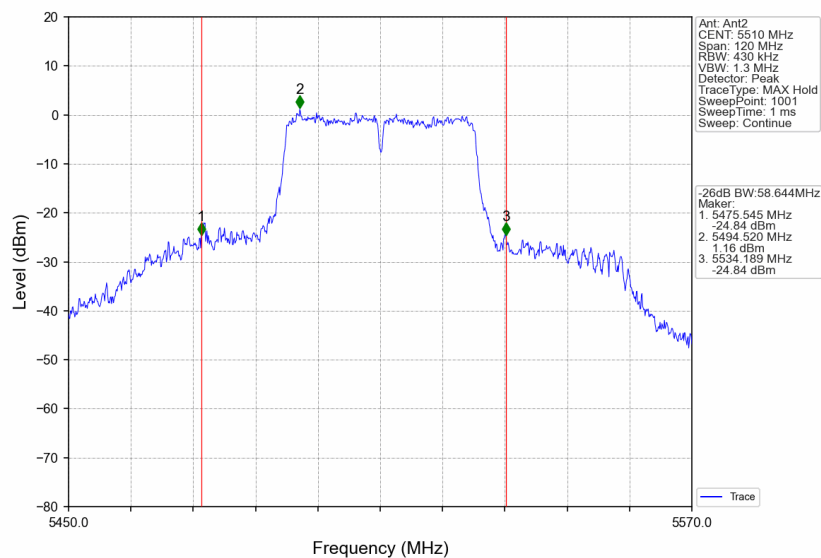
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### 802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



### 802.11n(HT40)\_LCH\_5510MHz\_Ant2\_NTNV



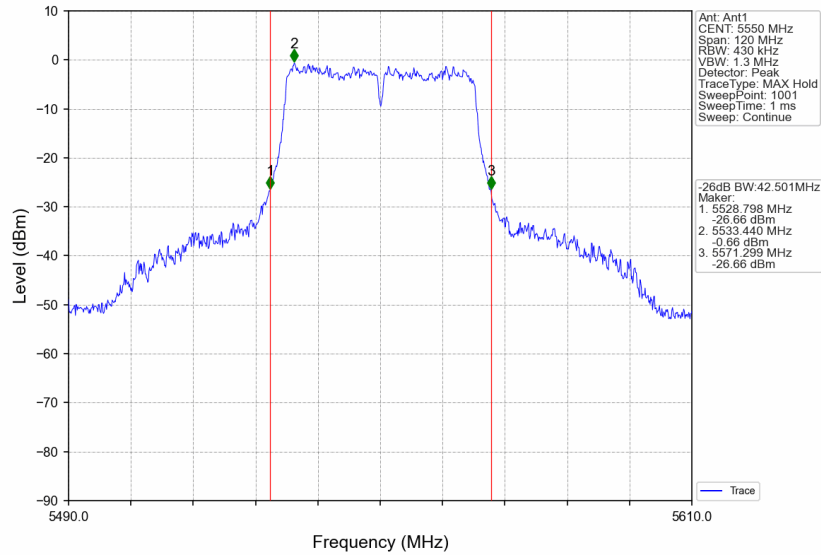
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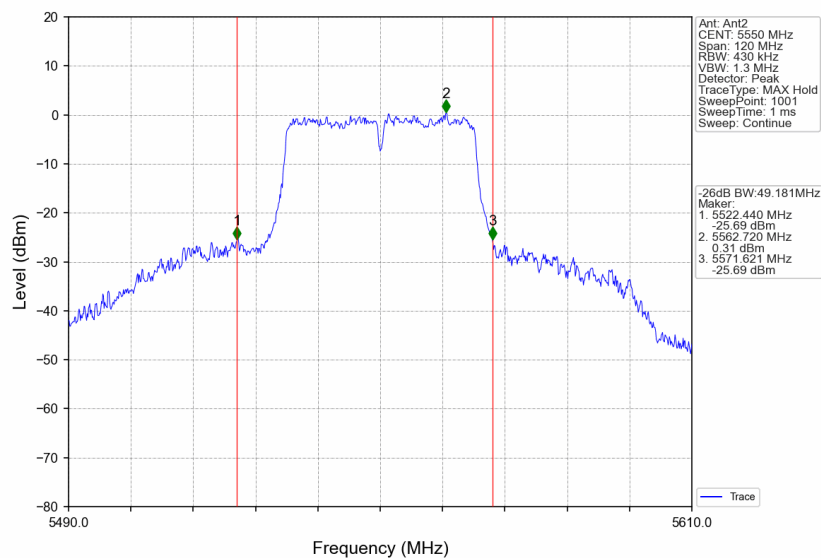
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### 802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



### 802.11n(HT40)\_MCH\_5550MHz\_Ant2\_NTNV



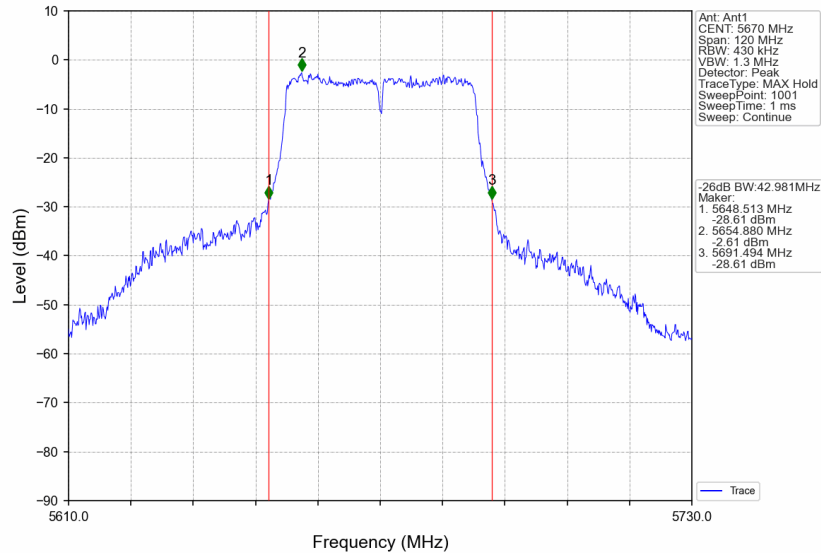
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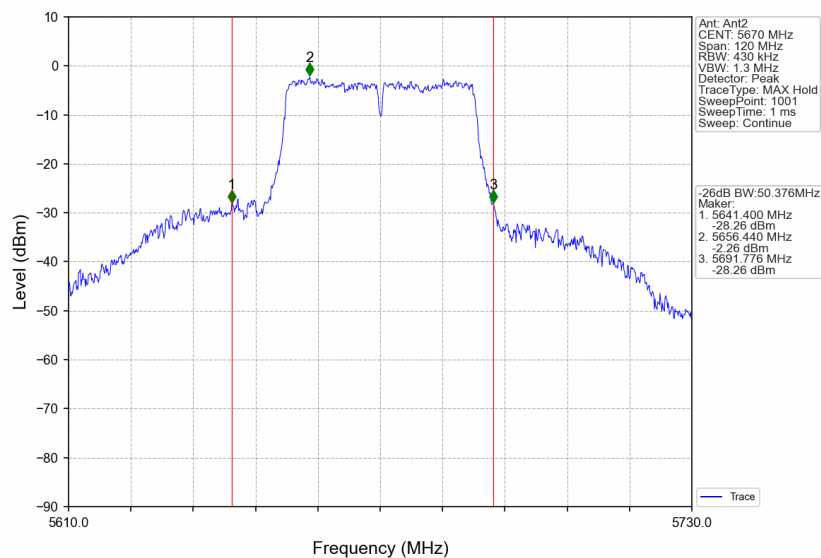
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### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



### 802.11n(HT40)\_HCH\_5670MHz\_Ant2\_NTNV



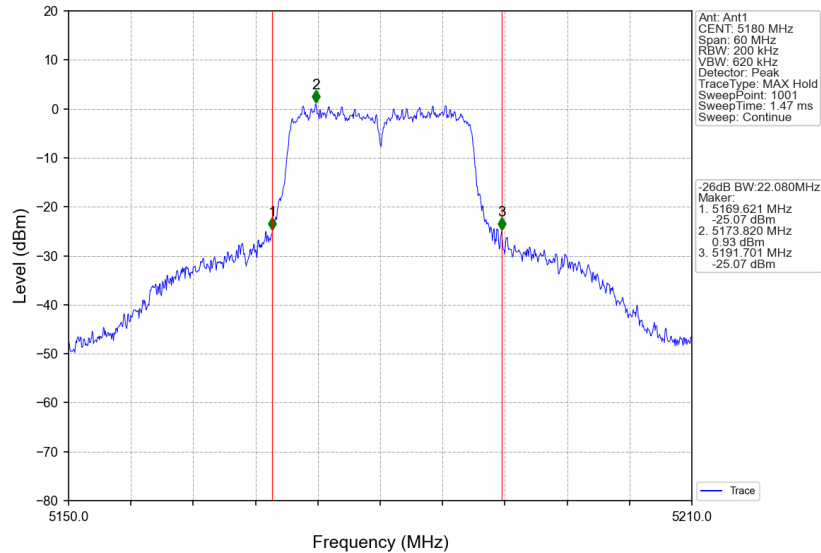
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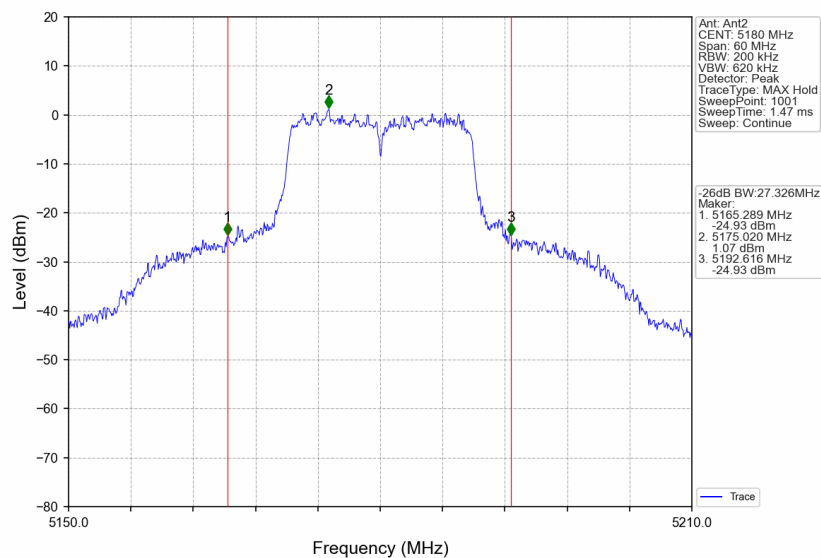
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



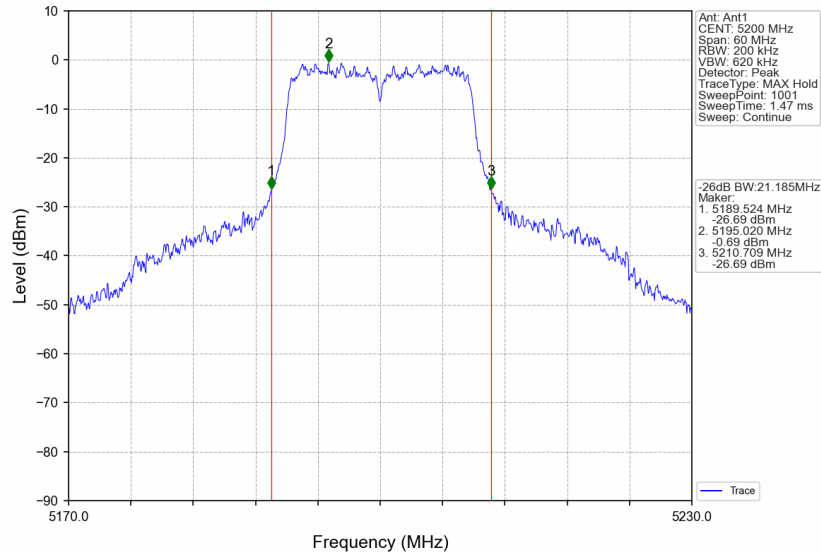
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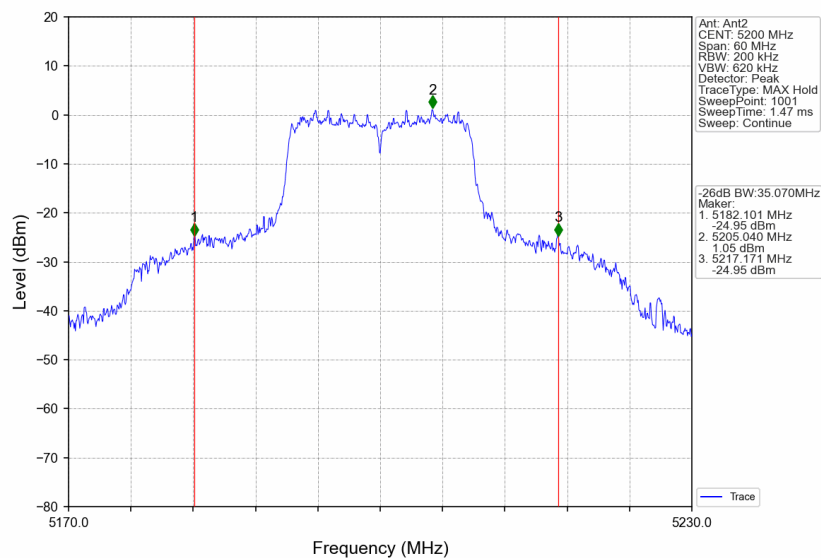
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### 802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



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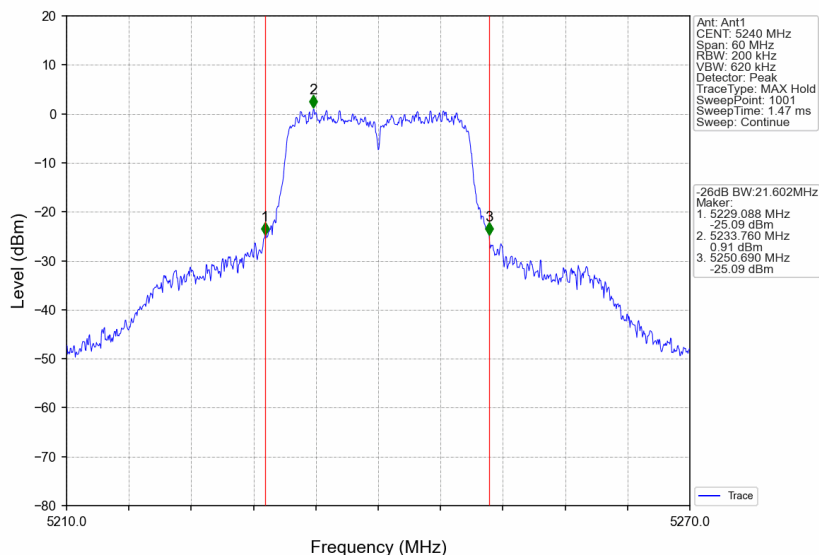
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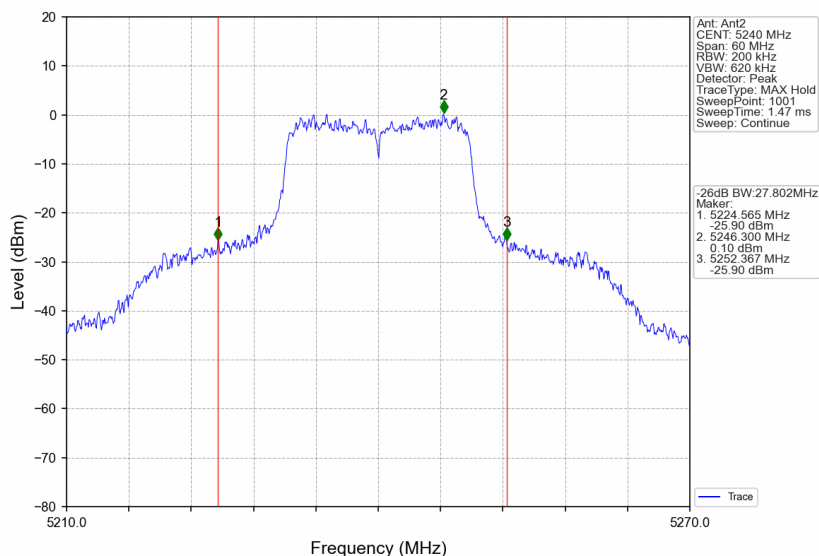
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### 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



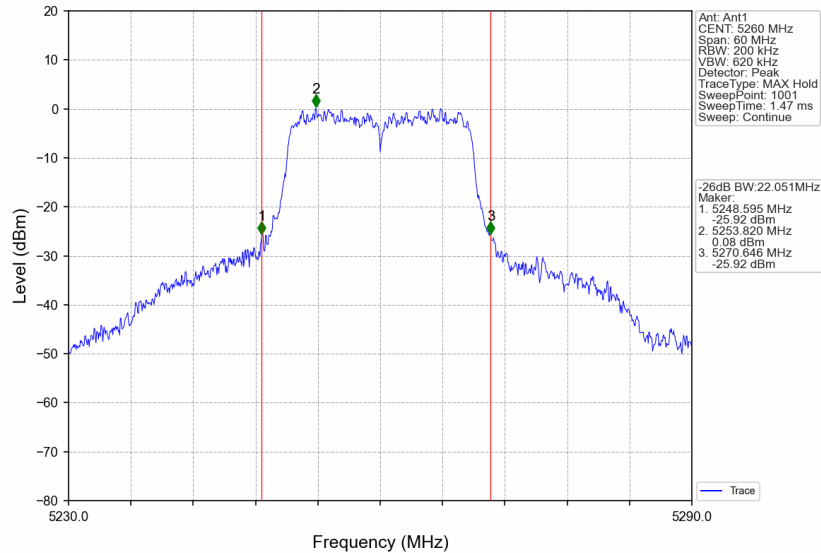
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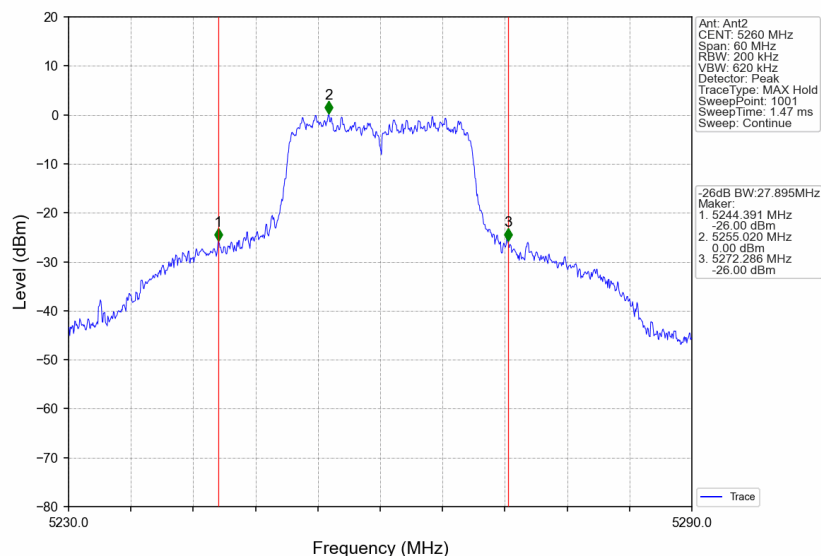
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802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5260MHz\_Ant2\_NTNV



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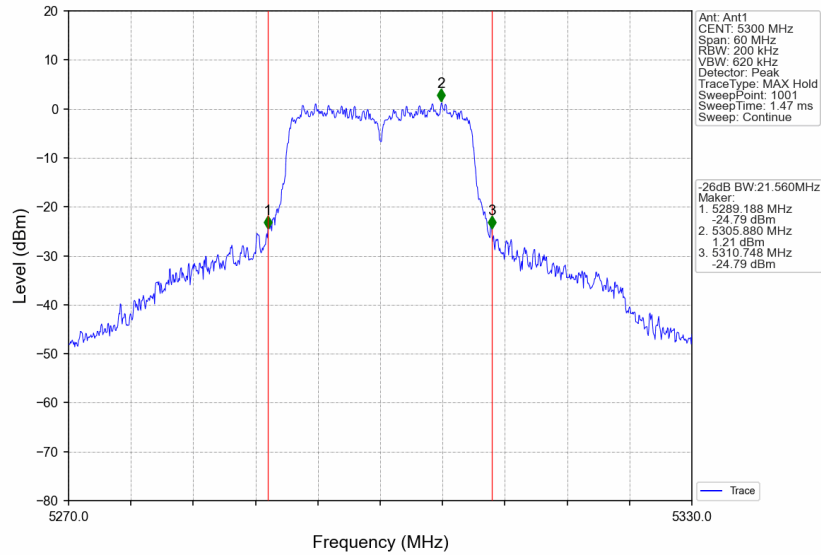
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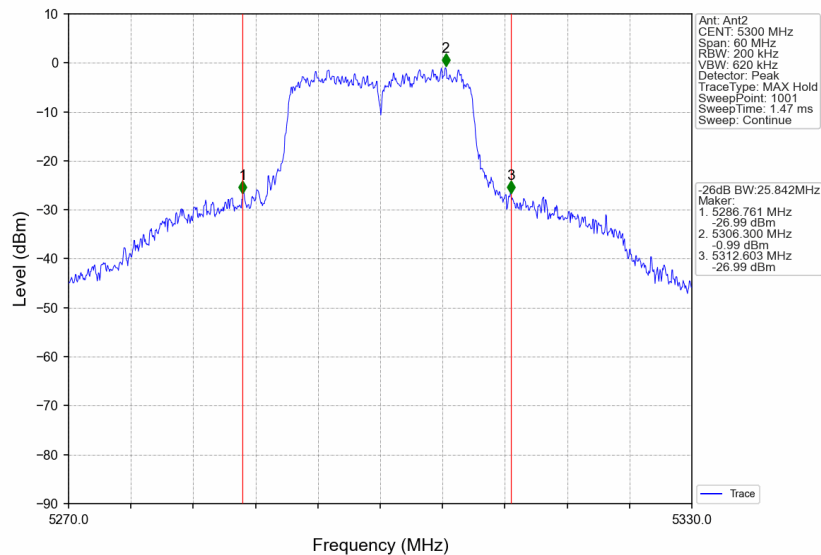
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802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5300MHz\_Ant2\_NTNV



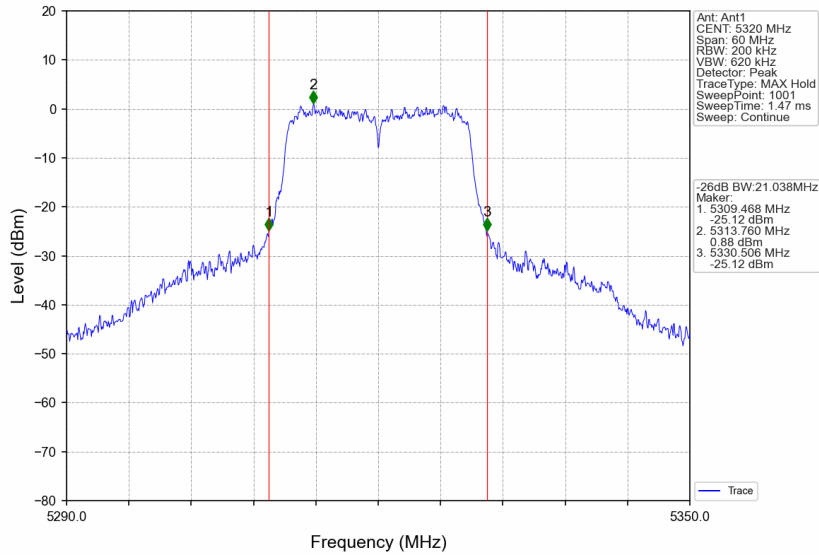
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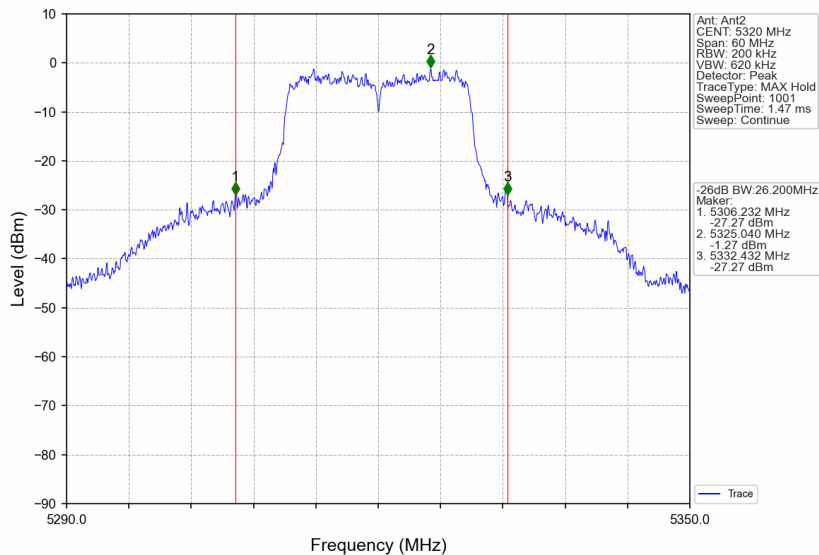
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### 802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_HCH\_5320MHz\_Ant2\_NTNV



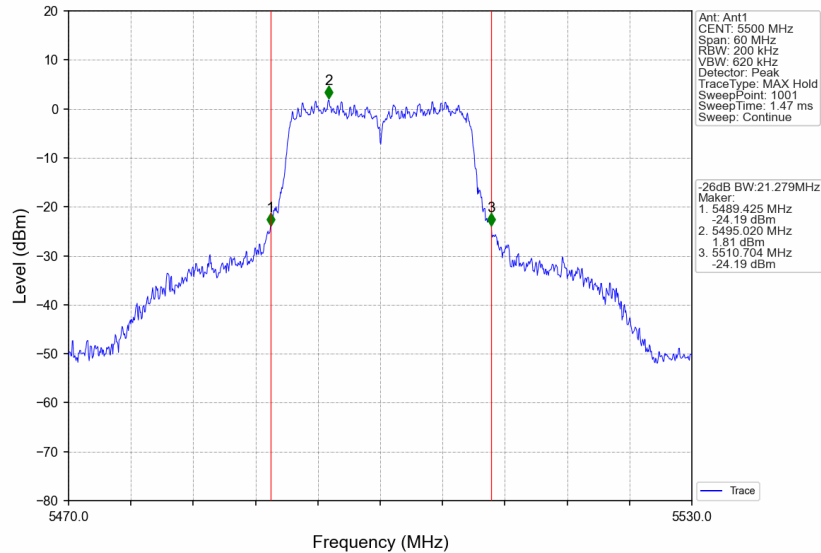
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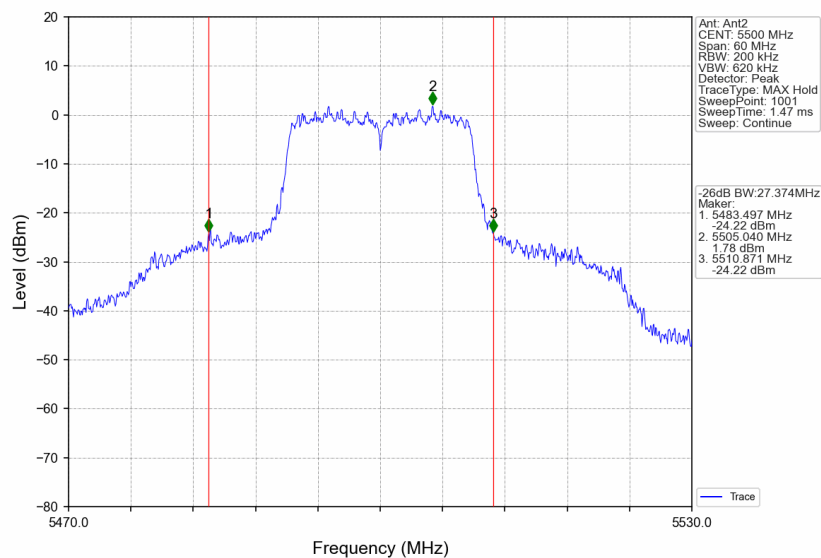
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802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5500MHz\_Ant2\_NTNV



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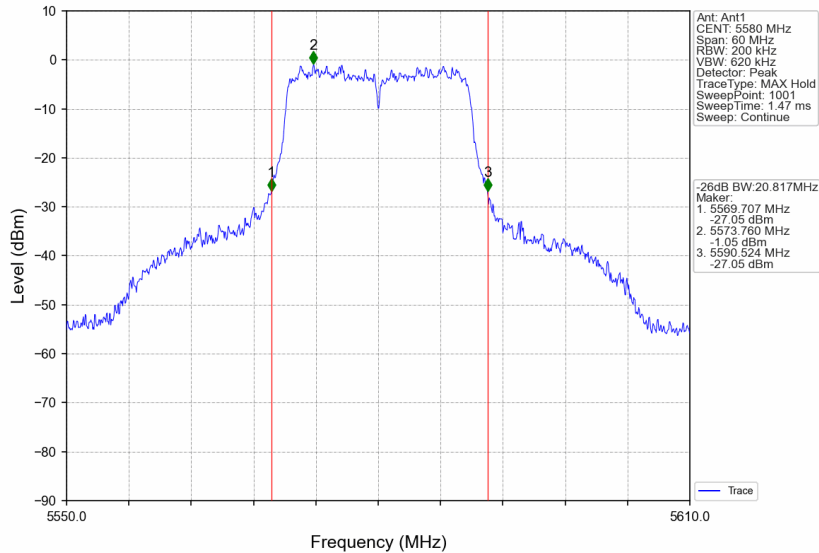
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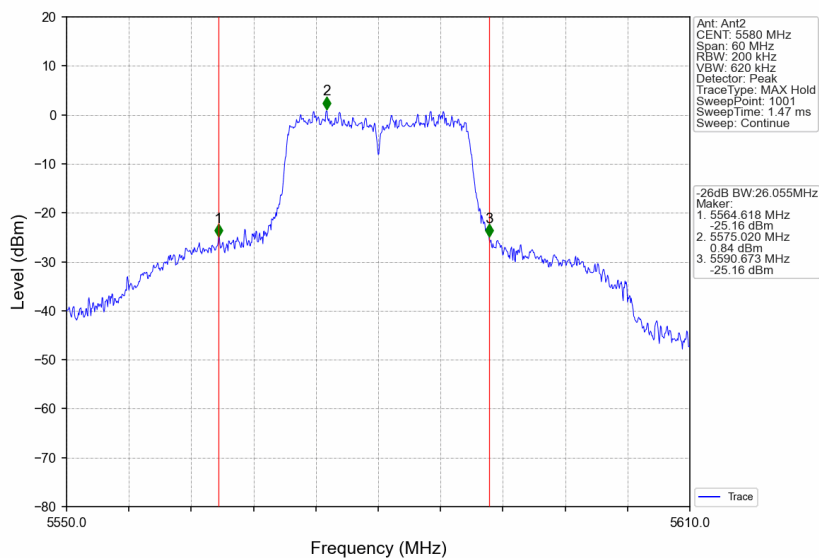
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### 802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_MCH\_5580MHz\_Ant2\_NTNV



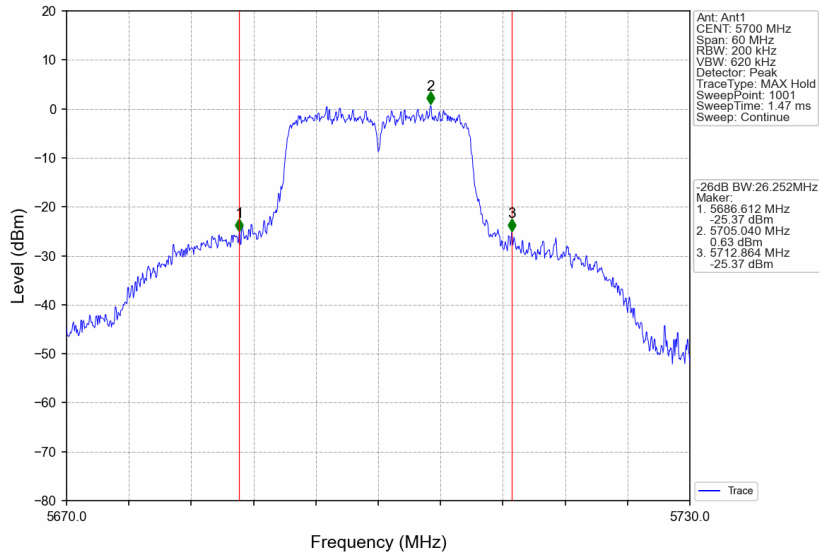
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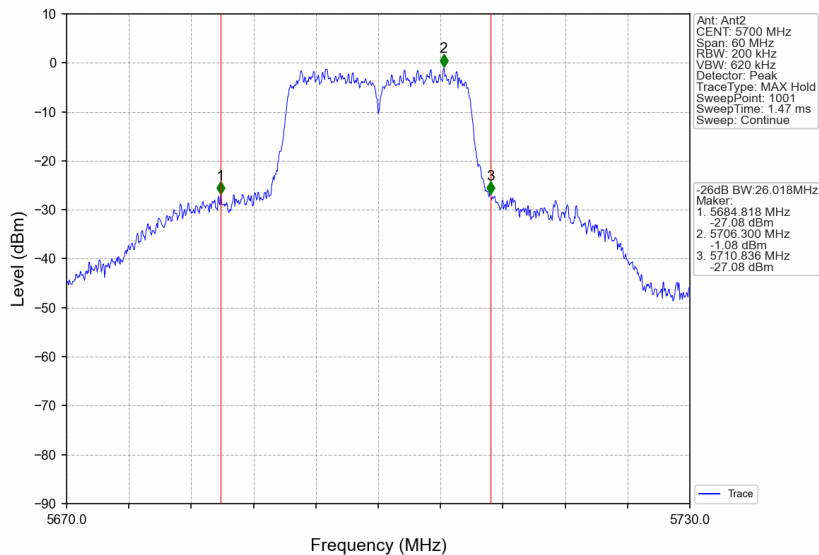
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### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant2\_NTNV



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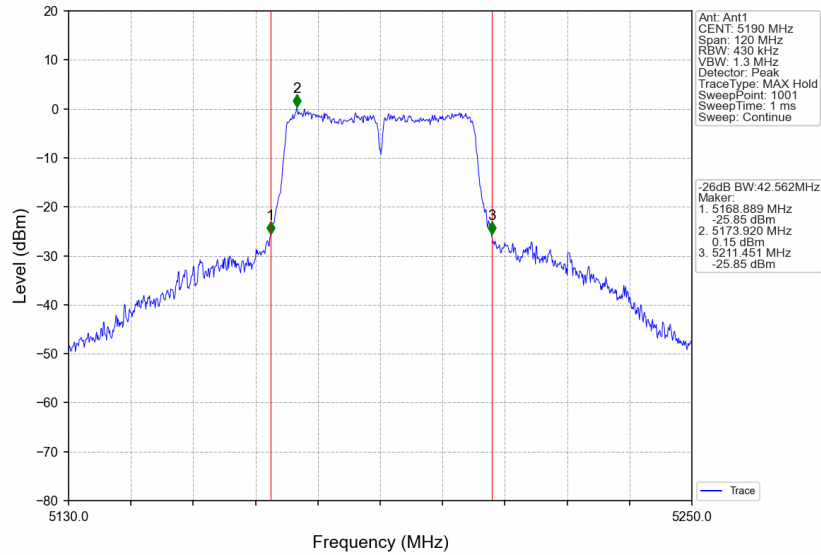
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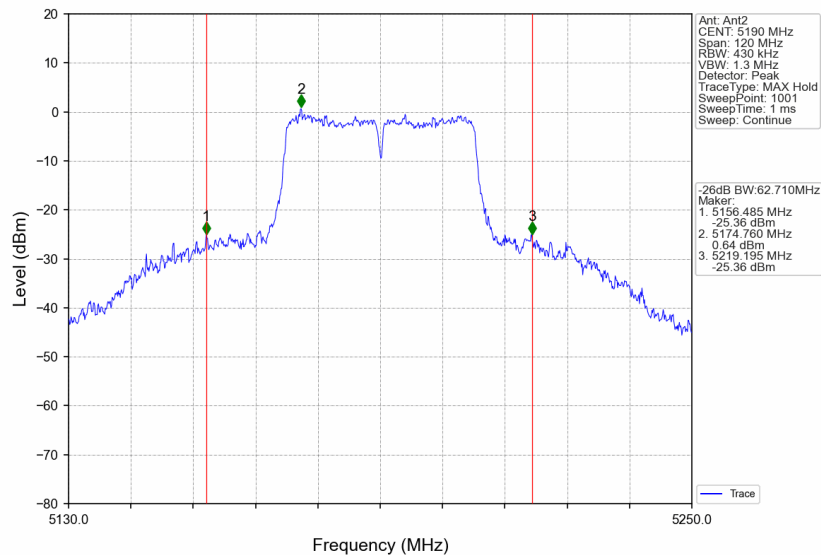
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### 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



### 802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



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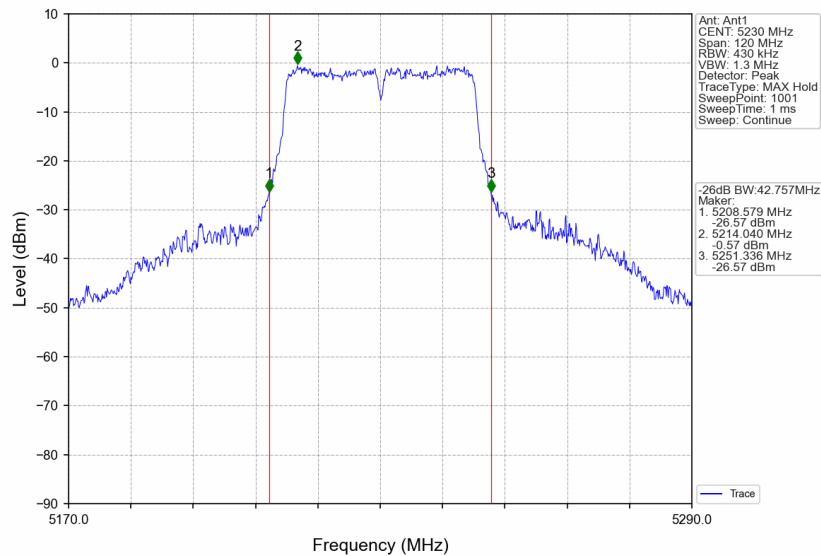
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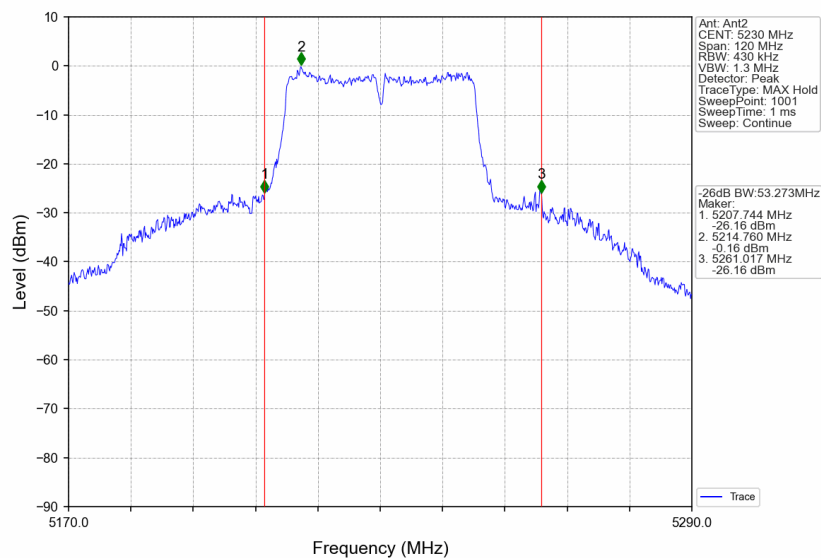
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### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



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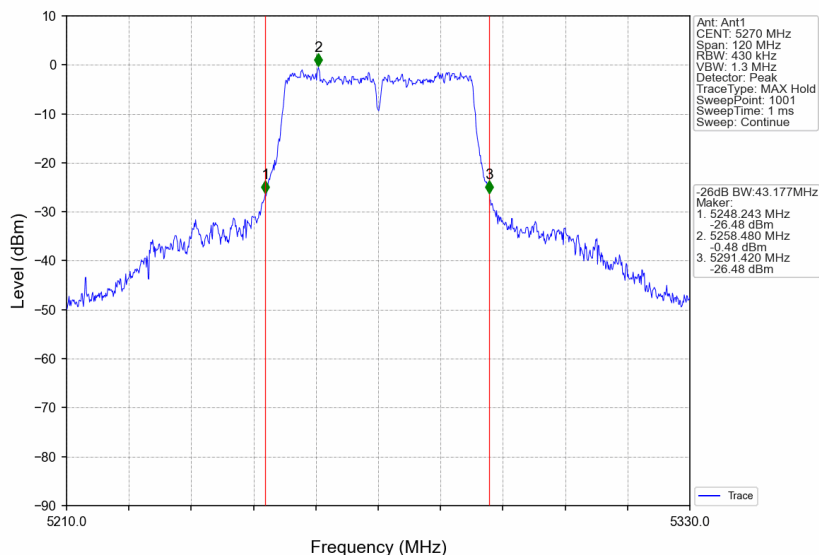
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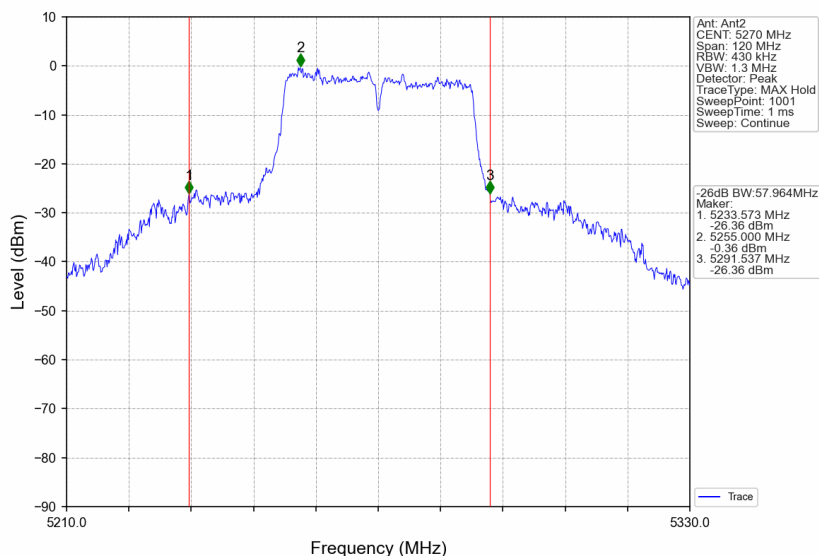
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### 802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV



### 802.11ac(VHT40)\_LCH\_5270MHz\_Ant2\_NTNV



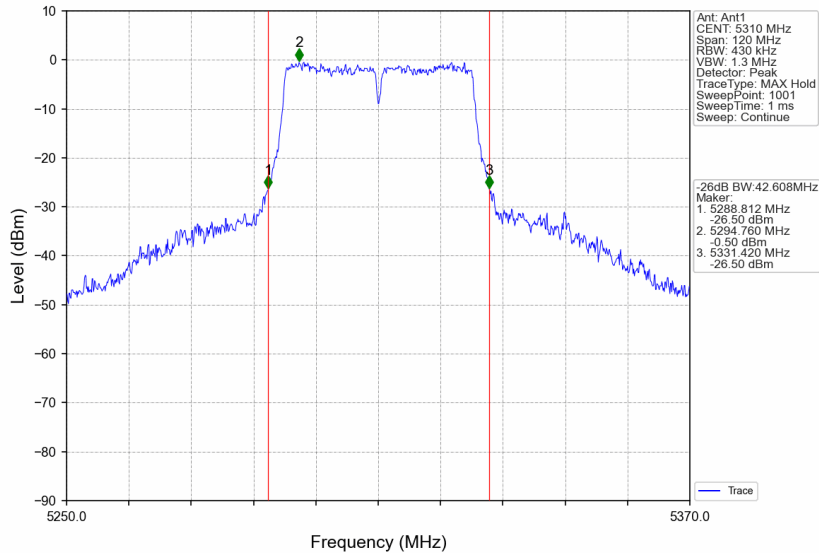
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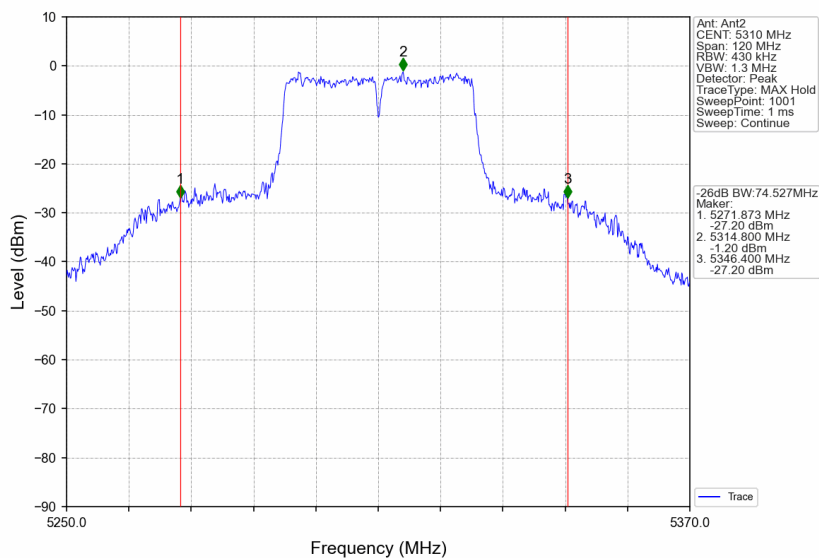
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### 802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



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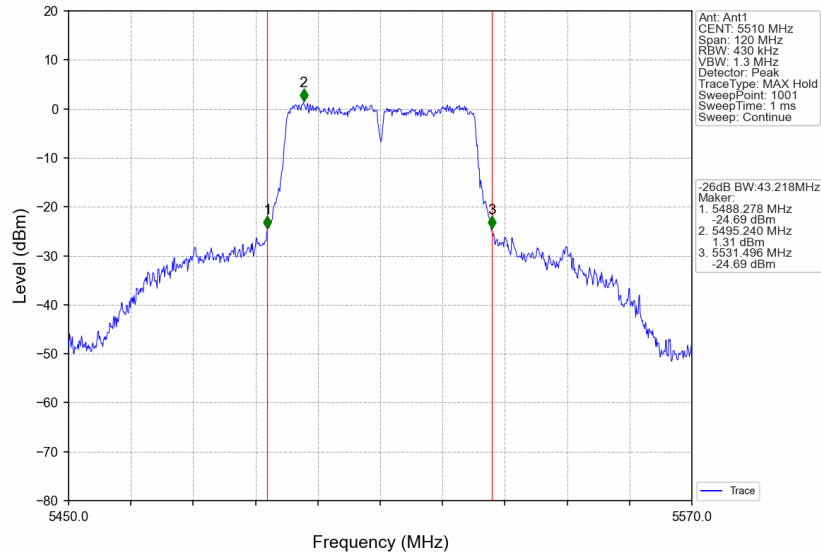
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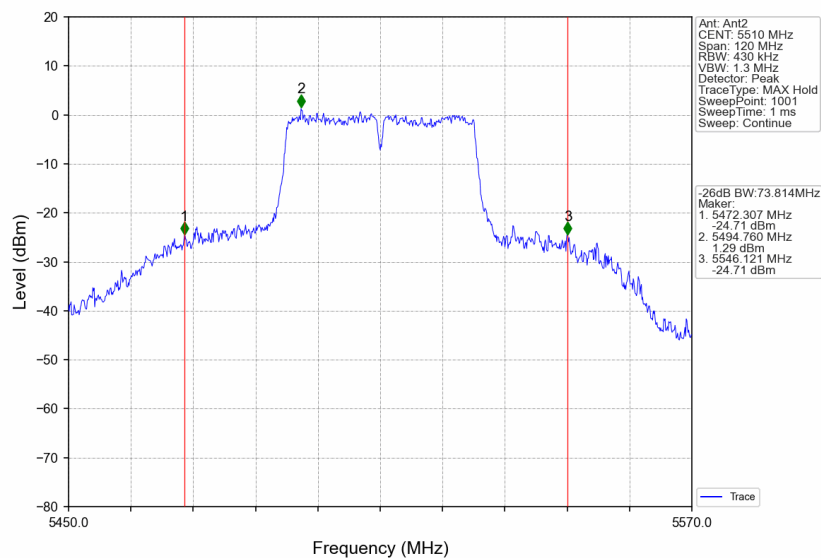
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### 802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



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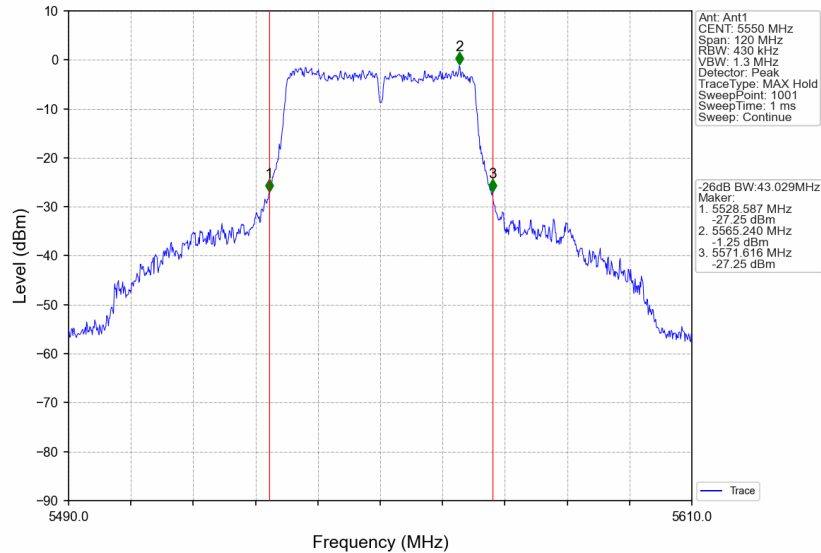
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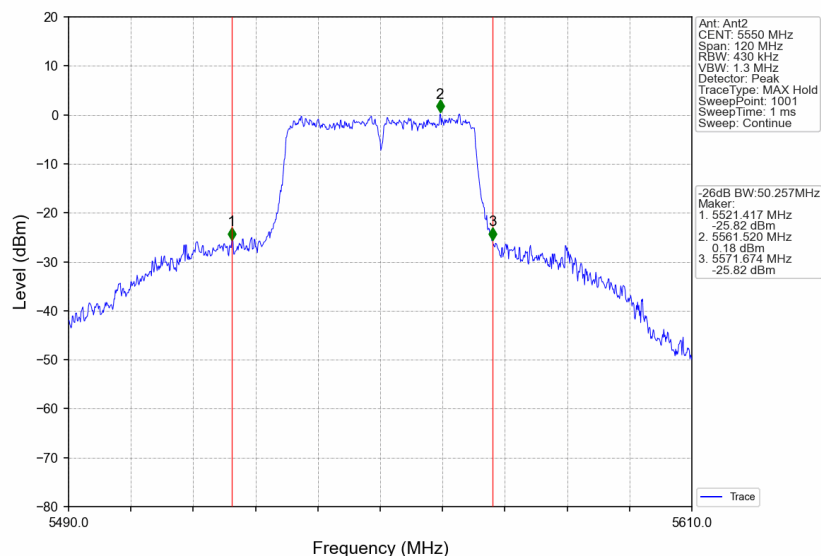
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant2\_NTNV

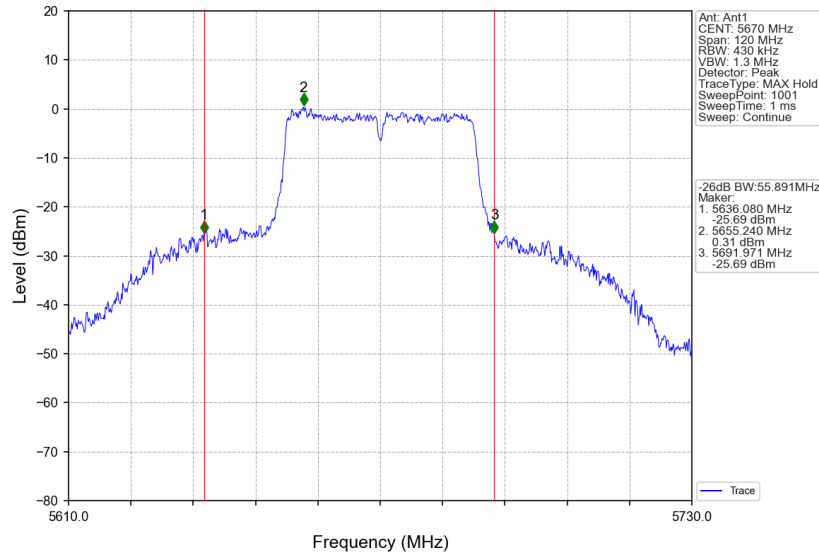


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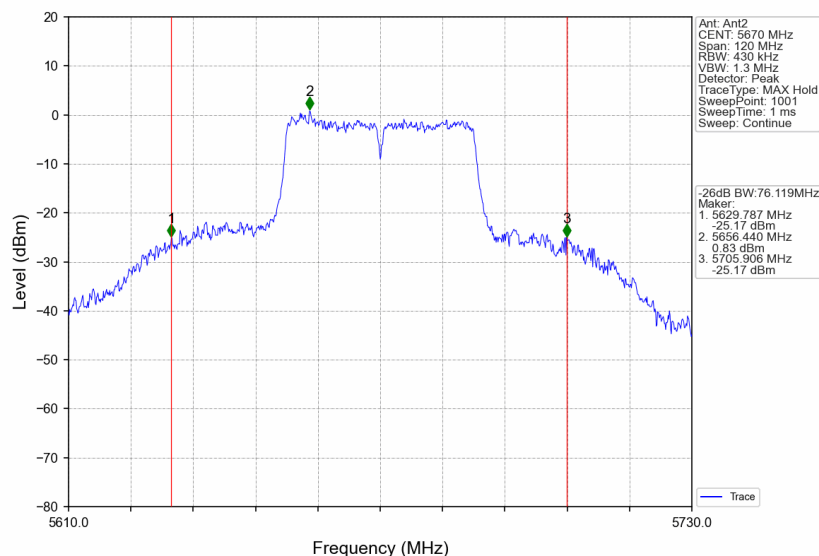
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### 802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



### 802.11ac(VHT40)\_HCH\_5670MHz\_Ant2\_NTNV



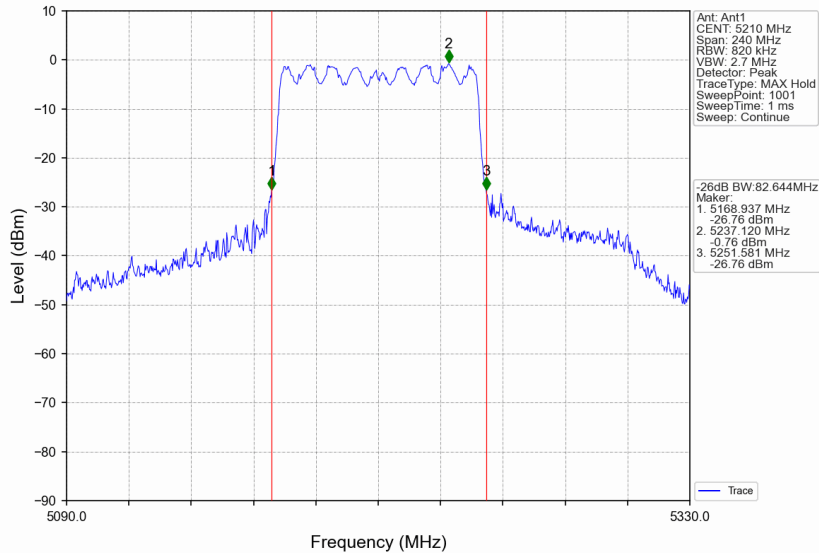
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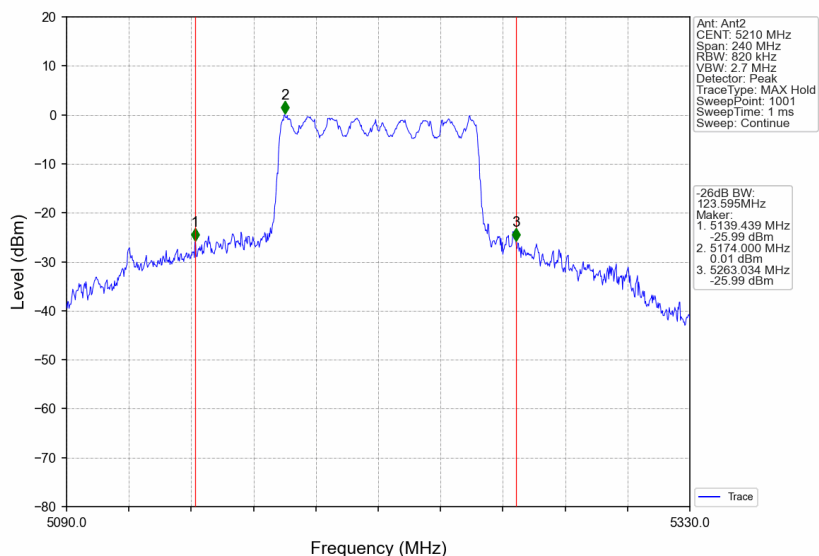
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### 802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



### 802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



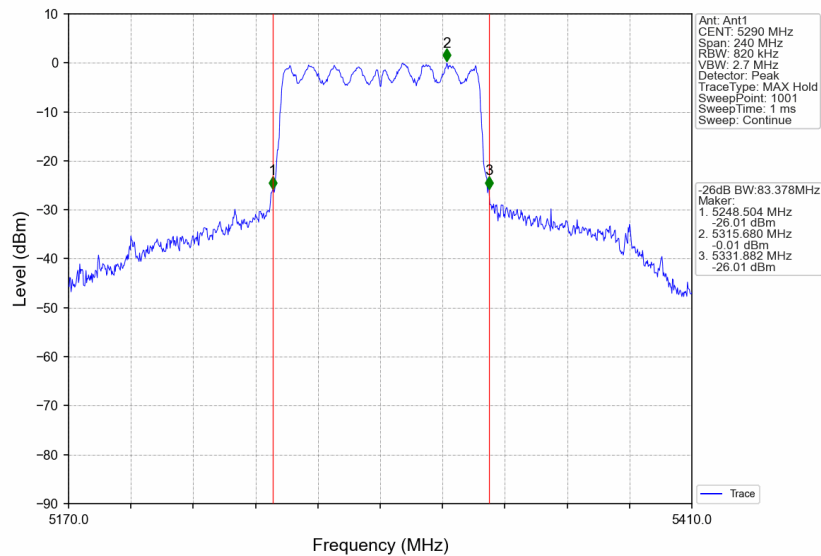
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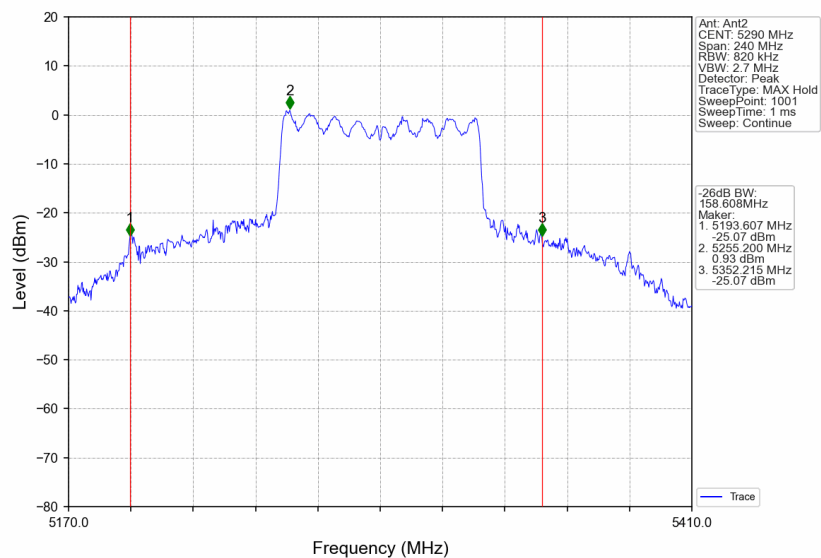
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### 802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



### 802.11ac(VHT80)\_MCH\_5290MHz\_Ant2\_NTNV



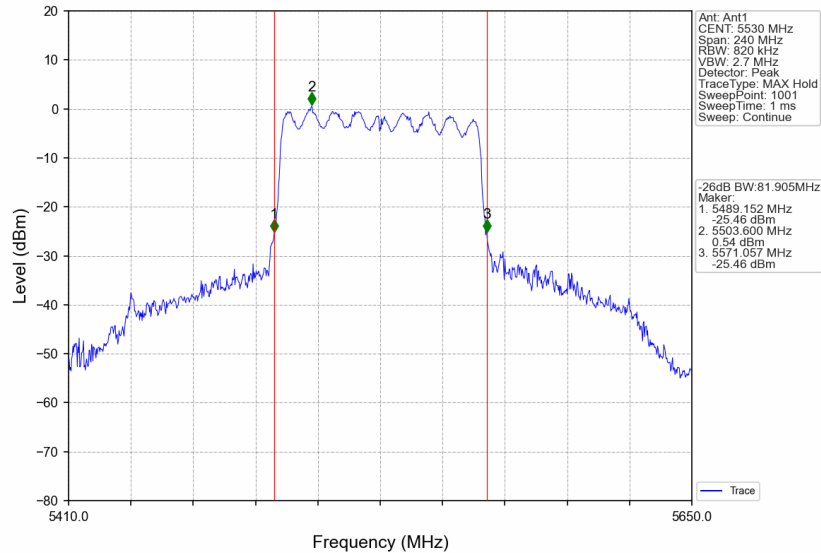
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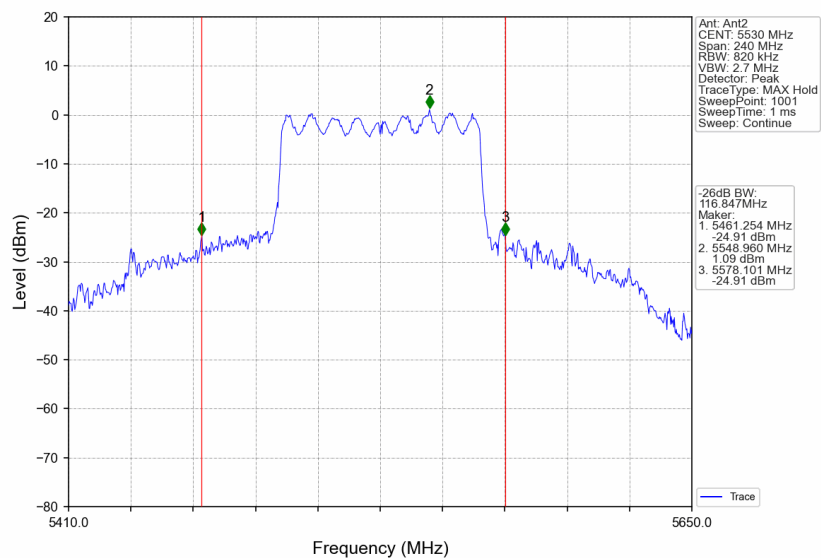
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### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant2\_NTNV



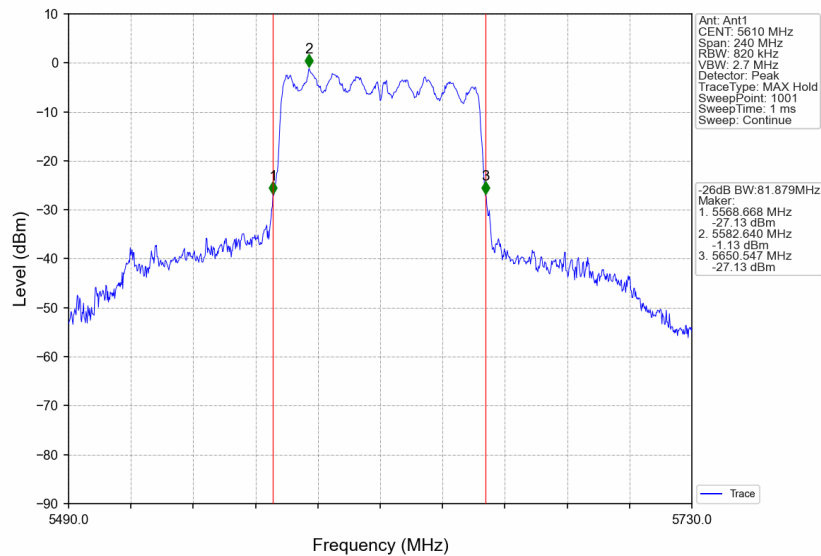
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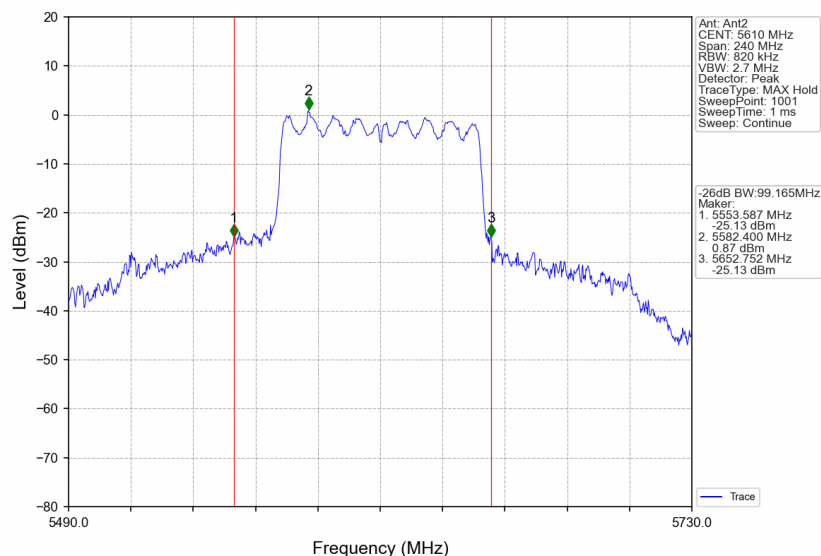
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### 802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



### 802.11ac(VHT80)\_HCH\_5610MHz\_Ant2\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |       |       |         | Verdict |
|----------------|---------|-----------------|----------------------------------------------|-------|-------|---------|---------|
|                |         |                 | ANT1                                         | ANT2  | MIMO  | Limit   |         |
| 802.11a        | SISO    | 5180            | 10.85                                        | 10.63 | /     | <=23.98 | Pass    |
|                |         | 5200            | 10.87                                        | 10.94 | /     | <=23.98 | Pass    |
|                |         | 5240            | 10.98                                        | 10.74 | /     | <=23.98 | Pass    |
|                |         | 5260            | 10.71                                        | 10.70 | /     | <=23.98 | Pass    |
|                |         | 5300            | 11.06                                        | 10.77 | /     | <=23.98 | Pass    |
|                |         | 5320            | 10.76                                        | 11.16 | /     | <=23.98 | Pass    |
|                |         | 5500            | 10.86                                        | 11.05 | /     | <=23.98 | Pass    |
|                |         | 5580            | 10.84                                        | 10.77 | /     | <=23.98 | Pass    |
|                |         | 5700            | 10.85                                        | 11.02 | /     | <=23.98 | Pass    |
|                |         | 5745            | 10.91                                        | 11.02 | /     | <=29.19 | Pass    |
|                |         | 5785            | 11.10                                        | 11.11 | /     | <=29.19 | Pass    |
|                |         | 5825            | 10.95                                        | 10.98 | /     | <=29.19 | Pass    |
| 802.11n (HT20) | MIMO    | 5180            | 11.30                                        | 11.06 | 14.19 | <=23.75 | Pass    |
|                |         | 5200            | 11.10                                        | 10.80 | 13.96 | <=23.75 | Pass    |
|                |         | 5240            | 11.04                                        | 10.77 | 13.92 | <=23.75 | Pass    |
|                |         | 5260            | 10.79                                        | 10.74 | 13.78 | <=22.93 | Pass    |
|                |         | 5300            | 10.78                                        | 9.88  | 13.36 | <=22.93 | Pass    |
|                |         | 5320            | 10.79                                        | 10.15 | 13.49 | <=22.93 | Pass    |
|                |         | 5500            | 10.95                                        | 11.10 | 14.04 | <=23.1  | Pass    |
|                |         | 5580            | 10.79                                        | 10.67 | 13.74 | <=23.1  | Pass    |
|                |         | 5700            | 11.23                                        | 10.02 | 13.68 | <=23.1  | Pass    |
|                |         | 5745            | 9.82                                         | 8.96  | 12.42 | <=27.89 | Pass    |
|                |         | 5785            | 10.36                                        | 9.22  | 12.84 | <=27.89 | Pass    |
|                |         | 5825            | 10.32                                        | 9.31  | 12.85 | <=27.89 | Pass    |
| 802.11n (HT40) | MIMO    | 5190            | 10.03                                        | 9.70  | 12.88 | <=23.75 | Pass    |
|                |         | 5230            | 10.16                                        | 10.06 | 13.12 | <=23.75 | Pass    |
|                |         | 5270            | 10.03                                        | 9.71  | 12.88 | <=22.93 | Pass    |
|                |         | 5310            | 9.94                                         | 9.70  | 12.83 | <=22.93 | Pass    |
|                |         | 5510            | 9.99                                         | 9.90  | 12.96 | <=23.1  | Pass    |
|                |         | 5550            | 9.94                                         | 9.85  | 12.91 | <=23.1  | Pass    |
|                |         | 5670            | 9.84                                         | 9.83  | 12.85 | <=23.1  | Pass    |



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|                                                                                                                   |       |                     |       |       |       |         |       |         |      |
|-------------------------------------------------------------------------------------------------------------------|-------|---------------------|-------|-------|-------|---------|-------|---------|------|
|                                                                                                                   |       | 5755                | 10.19 | 9.93  | 13.07 | <=27.89 | Pass  |         |      |
|                                                                                                                   |       | 5795                | 9.61  | 9.61  | 12.62 | <=27.89 | Pass  |         |      |
| 802.11ac<br>(VHT20)                                                                                               | MIMO  | 5180                | 11.06 | 10.92 | 14.00 | <=23.75 | Pass  |         |      |
|                                                                                                                   |       | 5200                | 10.90 | 10.71 | 13.82 | <=23.75 | Pass  |         |      |
|                                                                                                                   |       | 5240                | 10.96 | 9.99  | 13.51 | <=23.75 | Pass  |         |      |
|                                                                                                                   |       | 5260                | 10.81 | 9.61  | 13.26 | <=22.93 | Pass  |         |      |
|                                                                                                                   |       | 5300                | 11.12 | 8.55  | 13.03 | <=22.93 | Pass  |         |      |
|                                                                                                                   |       | 5320                | 10.98 | 8.81  | 13.04 | <=22.93 | Pass  |         |      |
|                                                                                                                   |       | 5500                | 10.98 | 11.23 | 14.12 | <=23.1  | Pass  |         |      |
|                                                                                                                   |       | 5580                | 10.70 | 10.63 | 13.68 | <=23.1  | Pass  |         |      |
|                                                                                                                   |       | 5700                | 10.44 | 8.61  | 12.63 | <=23.1  | Pass  |         |      |
|                                                                                                                   |       | 5745                | 9.72  | 8.40  | 12.12 | <=27.89 | Pass  |         |      |
|                                                                                                                   |       | 5785                | 10.07 | 8.54  | 12.38 | <=27.89 | Pass  |         |      |
|                                                                                                                   |       | 5825                | 10.40 | 8.75  | 12.66 | <=27.89 | Pass  |         |      |
|                                                                                                                   |       | 802.11ac<br>(VHT40) | MIMO  | 5190  | 10.09 | 9.88    | 13.00 | <=23.75 | Pass |
|                                                                                                                   |       |                     |       | 5230  | 9.82  | 9.94    | 12.89 | <=23.75 | Pass |
| 5270                                                                                                              | 9.87  |                     |       | 9.69  | 12.79 | <=22.93 | Pass  |         |      |
| 5310                                                                                                              | 10.11 |                     |       | 9.02  | 12.61 | <=22.93 | Pass  |         |      |
| 5510                                                                                                              | 9.81  |                     |       | 10.02 | 12.93 | <=23.1  | Pass  |         |      |
| 5550                                                                                                              | 10.13 |                     |       | 10.02 | 13.09 | <=23.1  | Pass  |         |      |
| 5670                                                                                                              | 10.16 |                     |       | 9.76  | 12.97 | <=23.1  | Pass  |         |      |
| 5755                                                                                                              | 9.96  |                     |       | 9.13  | 12.58 | <=27.89 | Pass  |         |      |
| 5795                                                                                                              | 10.10 |                     |       | 9.27  | 12.72 | <=27.89 | Pass  |         |      |
| 802.11ac<br>(VHT80)                                                                                               | MIMO  | 5210                | 9.02  | 9.22  | 12.13 | <=23.75 | Pass  |         |      |
|                                                                                                                   |       | 5290                | 9.02  | 9.10  | 12.07 | <=22.93 | Pass  |         |      |
|                                                                                                                   |       | 5530                | 8.88  | 10.03 | 12.50 | <=23.1  | Pass  |         |      |
|                                                                                                                   |       | 5610                | 9.11  | 8.92  | 12.03 | <=23.1  | Pass  |         |      |
|                                                                                                                   |       | 5775                | 9.15  | 9.19  | 12.18 | <=27.89 | Pass  |         |      |
| Note1: Antenna Gain: Ant1: 2.03dBi; Ant2: 4.16dBi;<br>Note2: Directional Gain: 6.23dBi, 7.05dBi, 6.88dBi, 8.11dBi |       |                     |       |       |       |         |       |         |      |



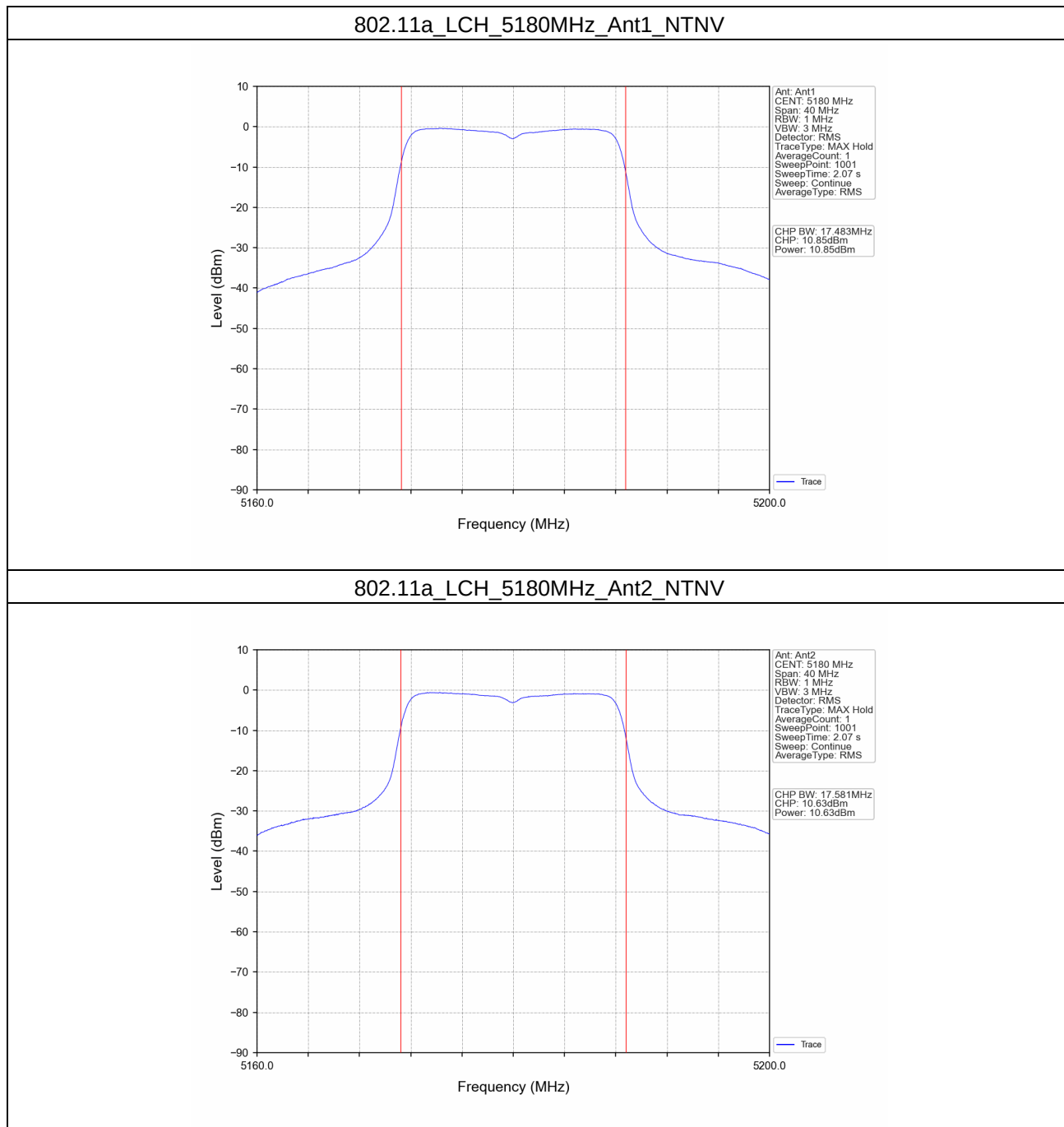
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### 3.1.2 Test Graph



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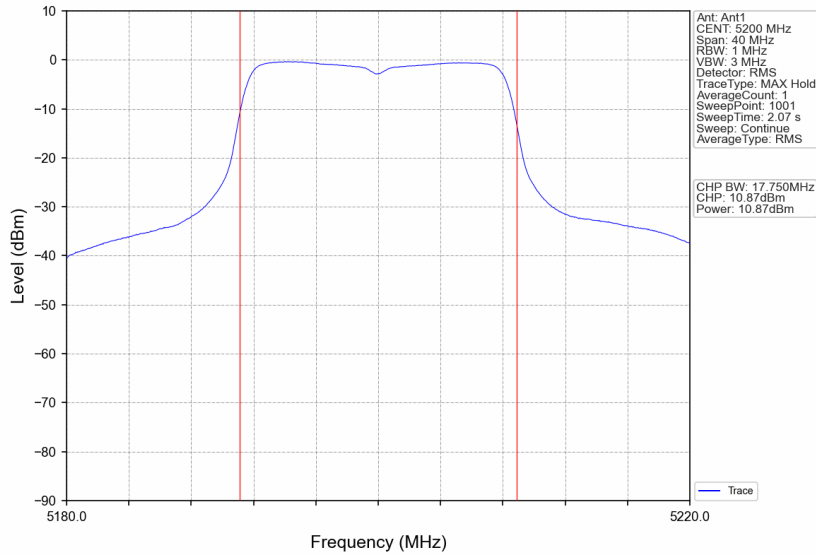
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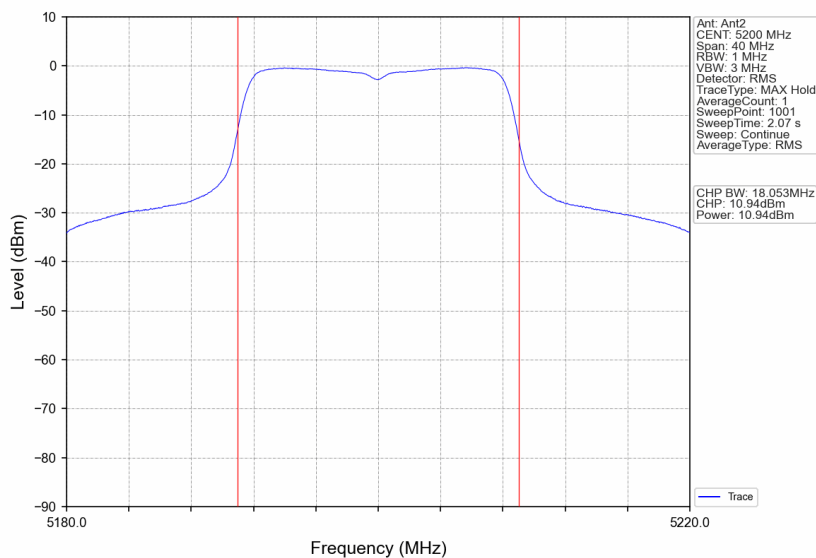
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### 802.11a\_MCH\_5200MHz\_Ant1\_NTNV



### 802.11a\_MCH\_5200MHz\_Ant2\_NTNV



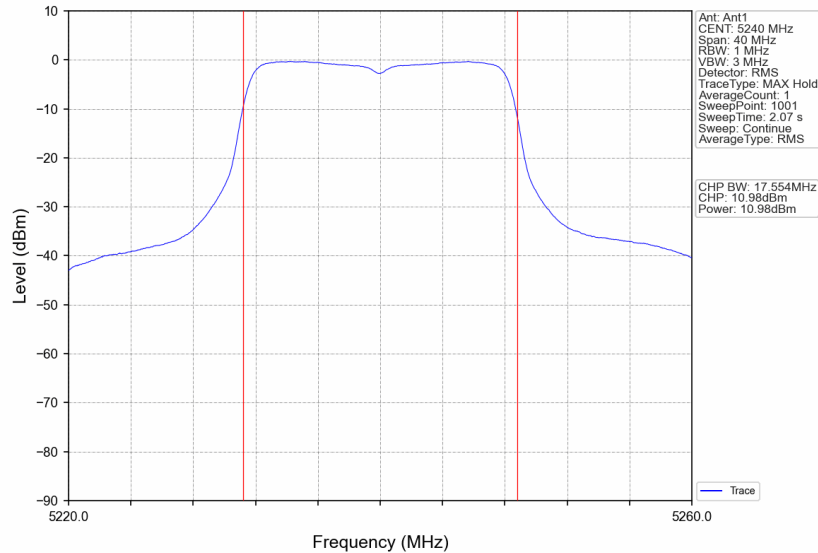
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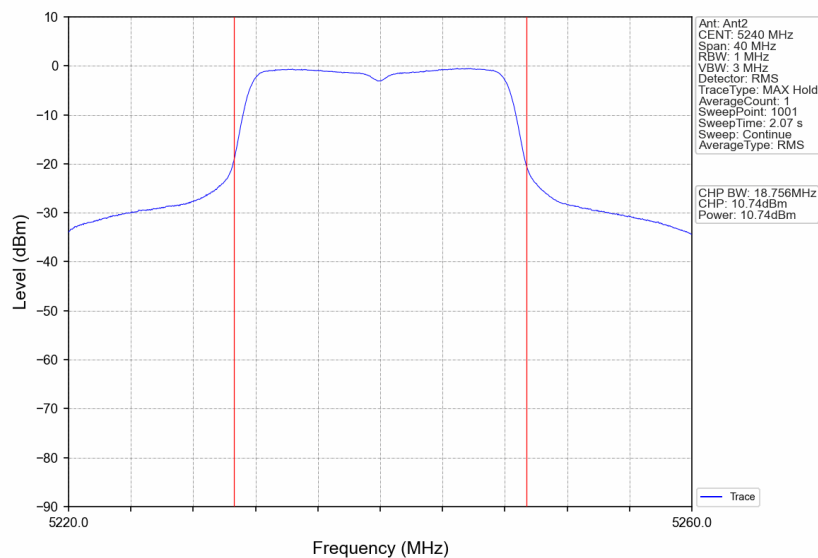
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### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



### 802.11a\_HCH\_5240MHz\_Ant2\_NTNV



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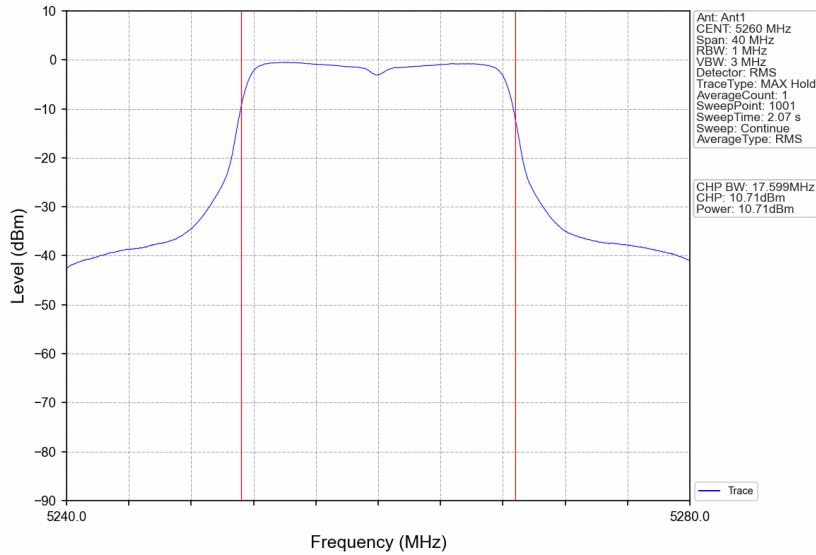
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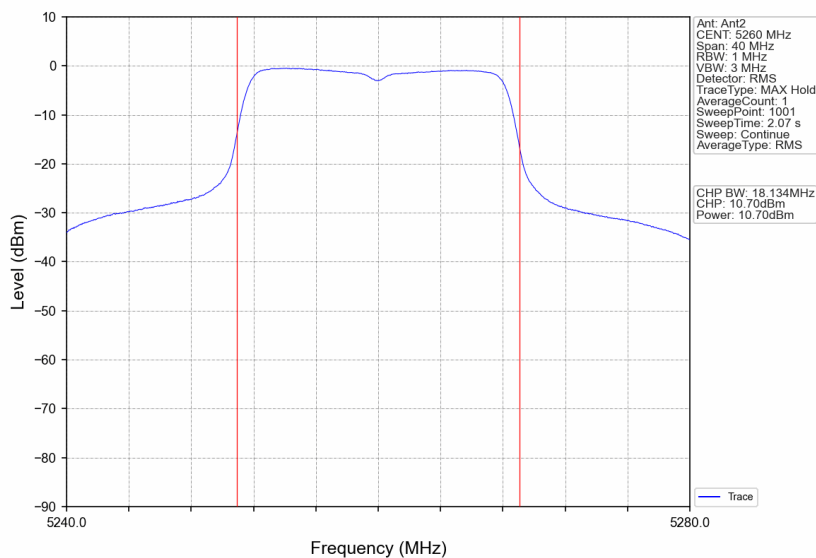
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802.11a\_LCH\_5260MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant2\_NTNV



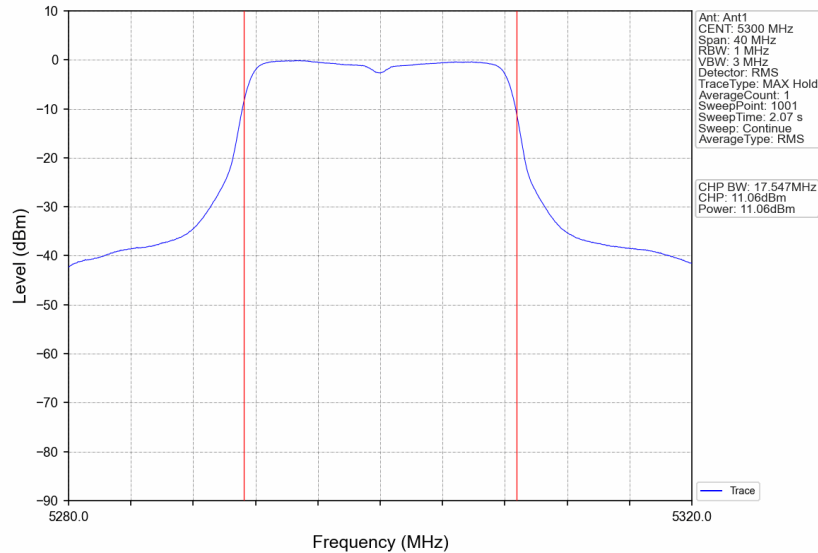
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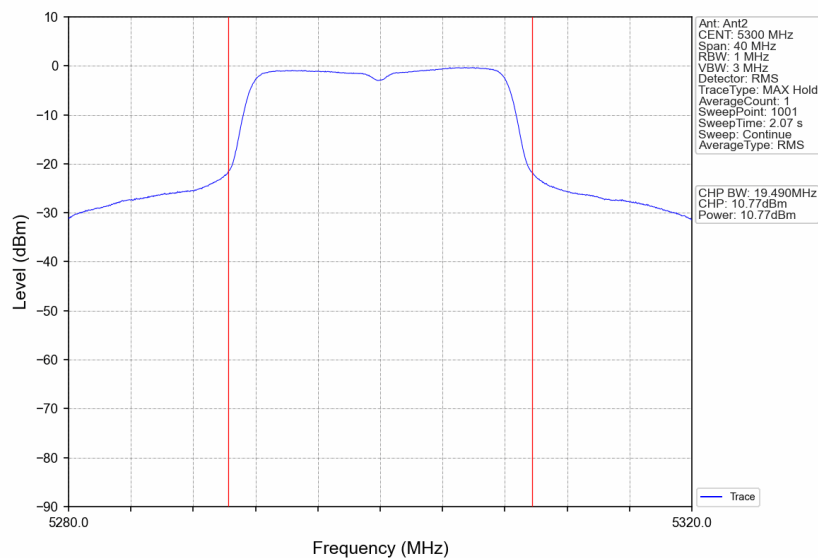
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### 802.11a\_MCH\_5300MHz\_Ant1\_NTNV



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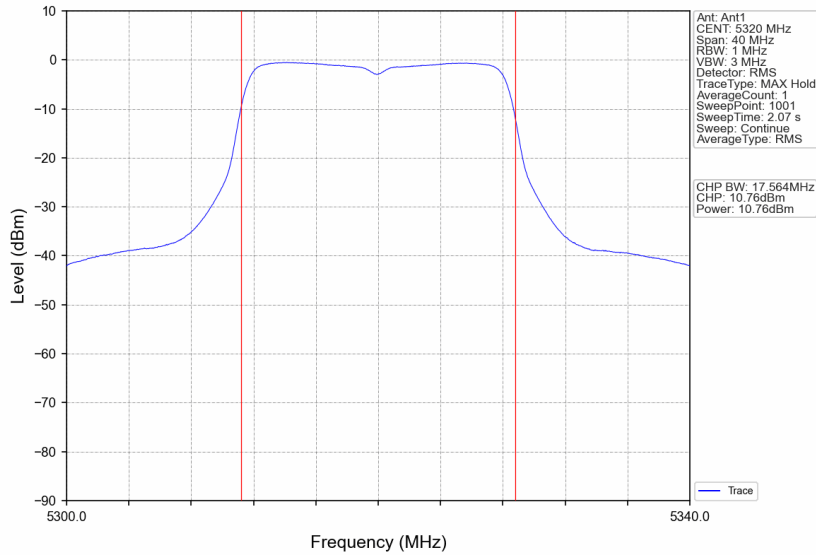
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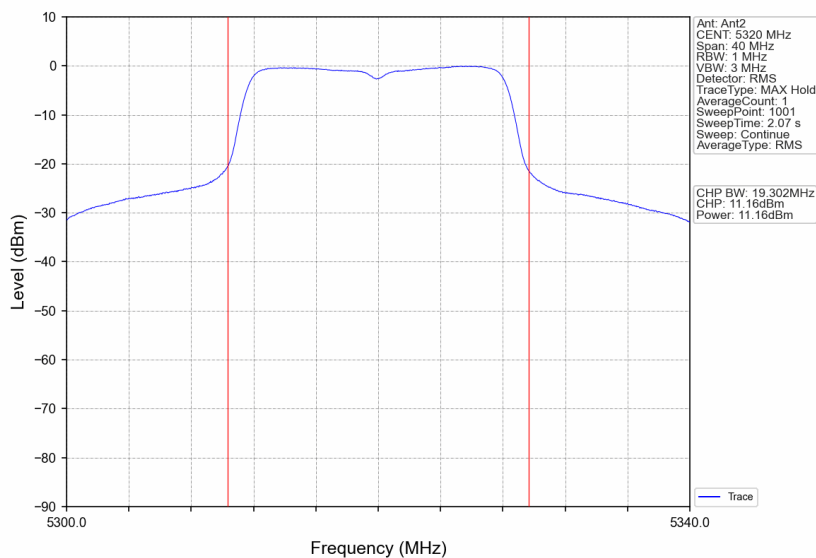
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802.11a\_HCH\_5320MHz\_Ant1\_NTNV



802.11a\_HCH\_5320MHz\_Ant2\_NTNV



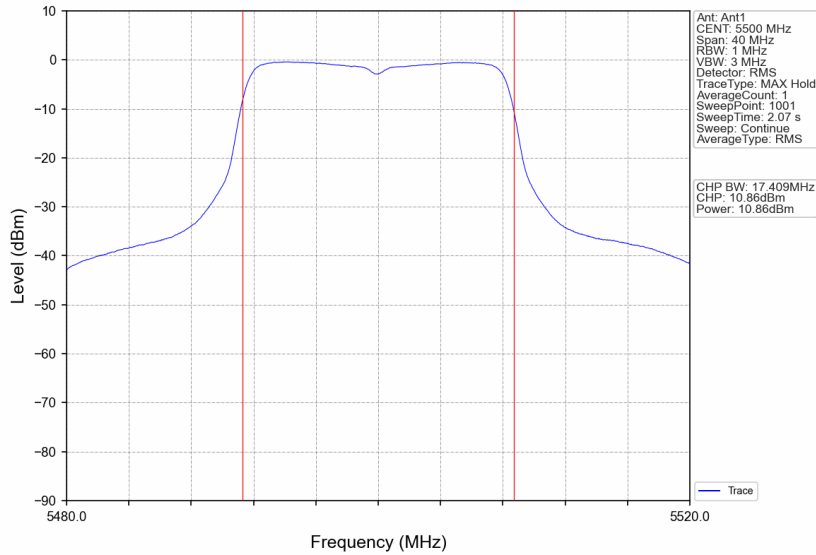
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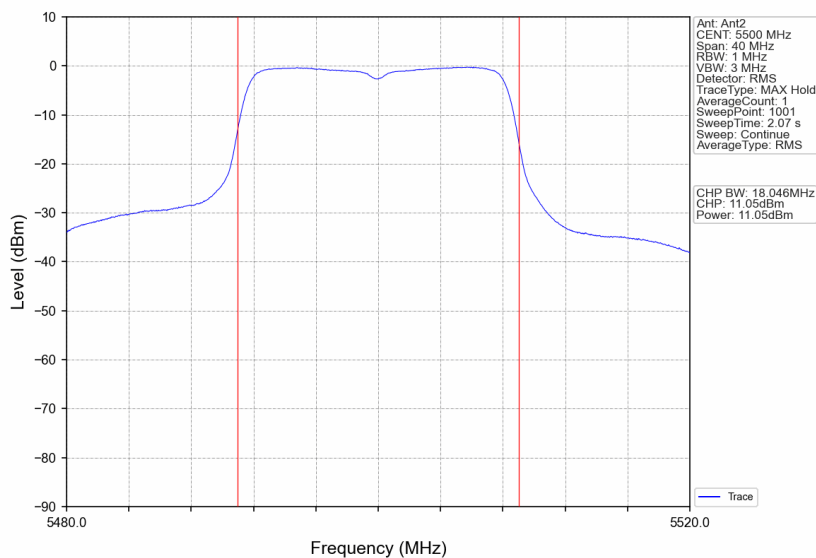
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_LCH\_5500MHz\_Ant2\_NTNV



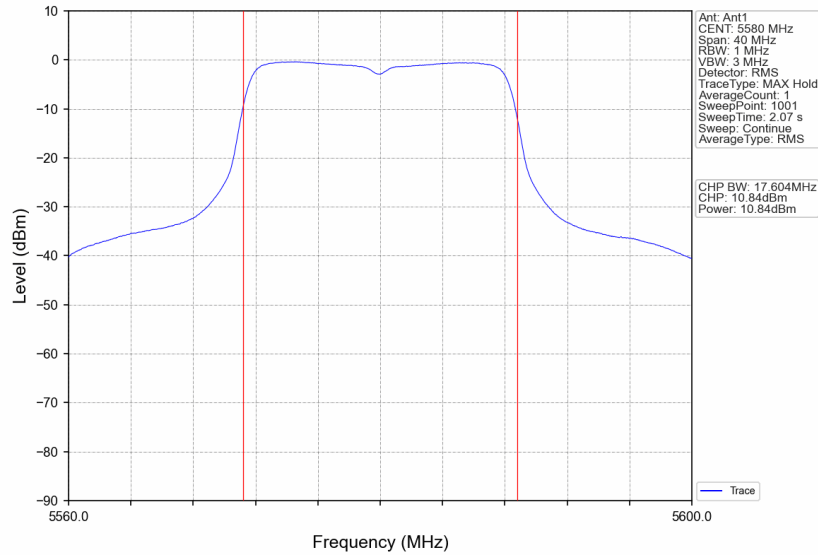
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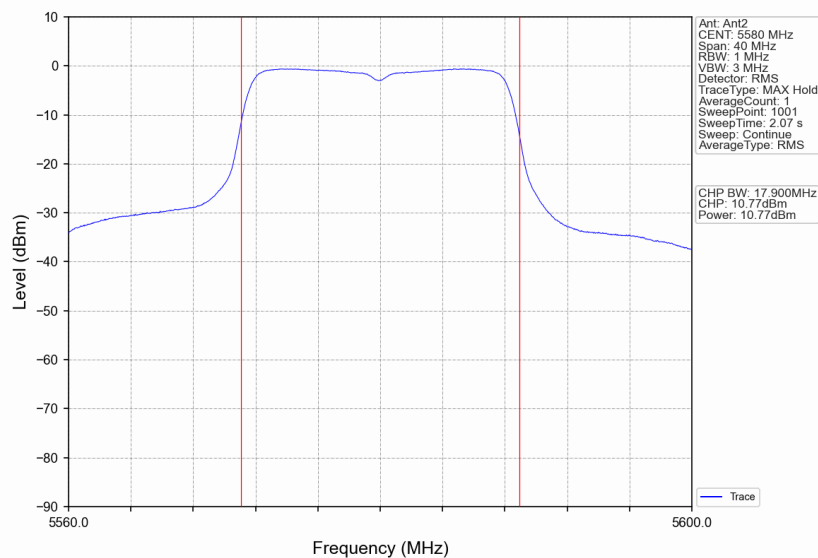
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### 802.11a\_MCH\_5580MHz\_Ant1\_NTNV



### 802.11a\_MCH\_5580MHz\_Ant2\_NTNV



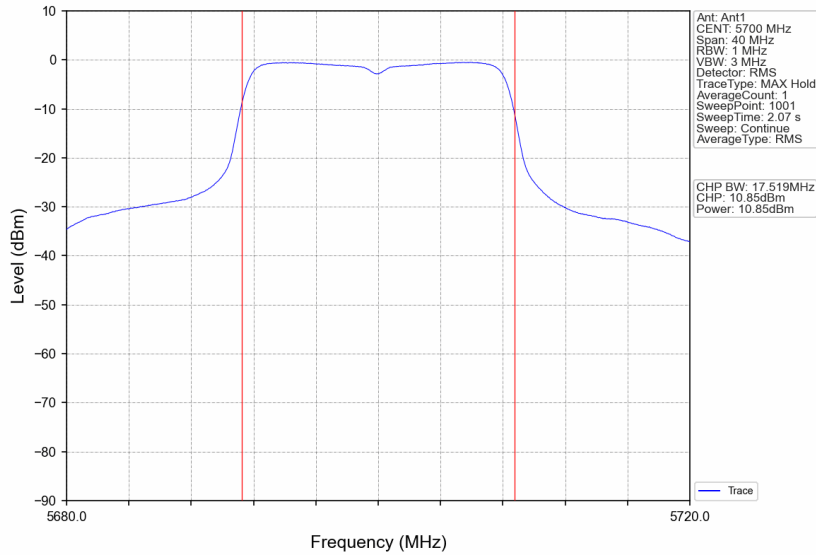
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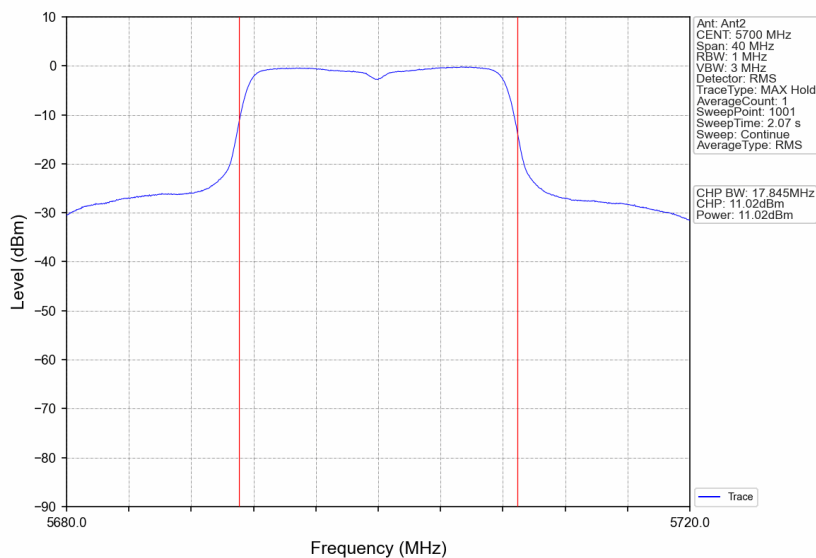
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV



802.11a\_HCH\_5700MHz\_Ant2\_NTNV



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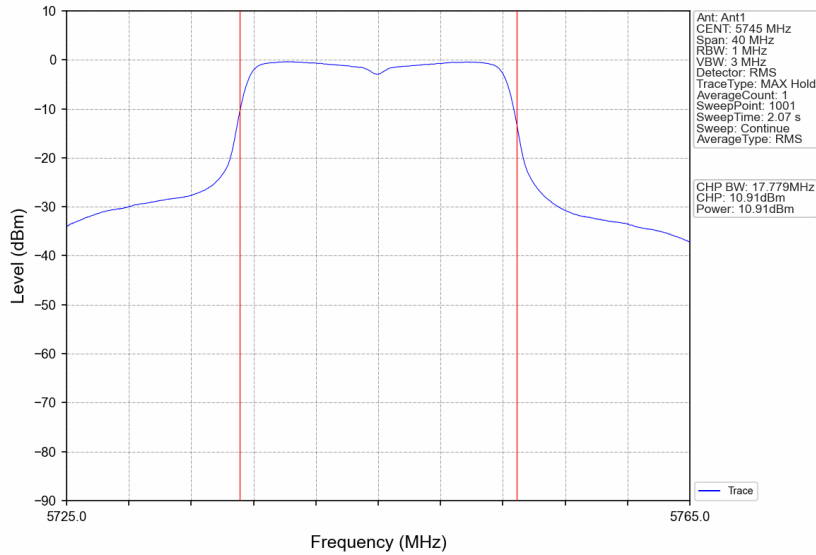
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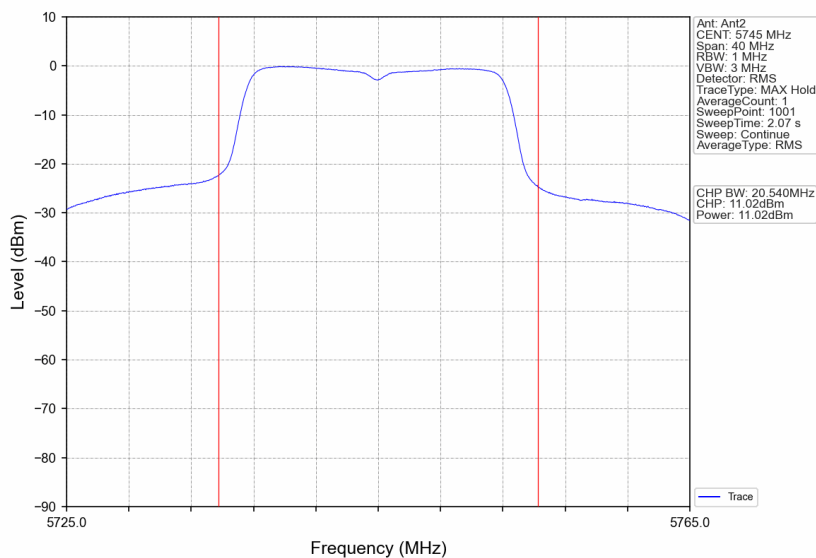
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802.11a\_LCH\_5745MHz\_Ant1\_NTNV



802.11a\_LCH\_5745MHz\_Ant2\_NTNV



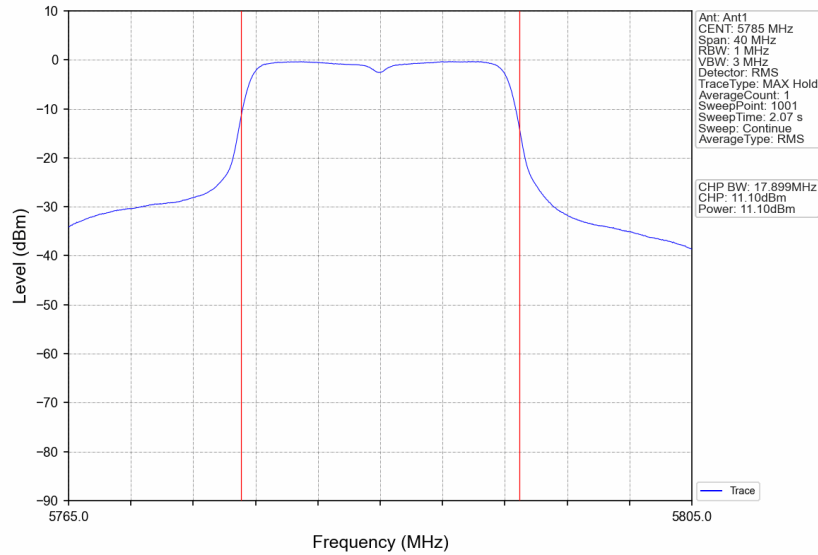
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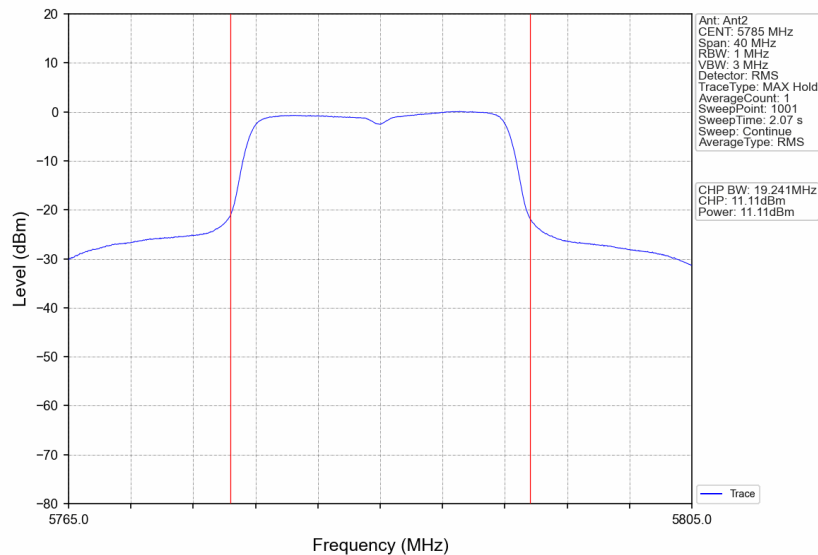
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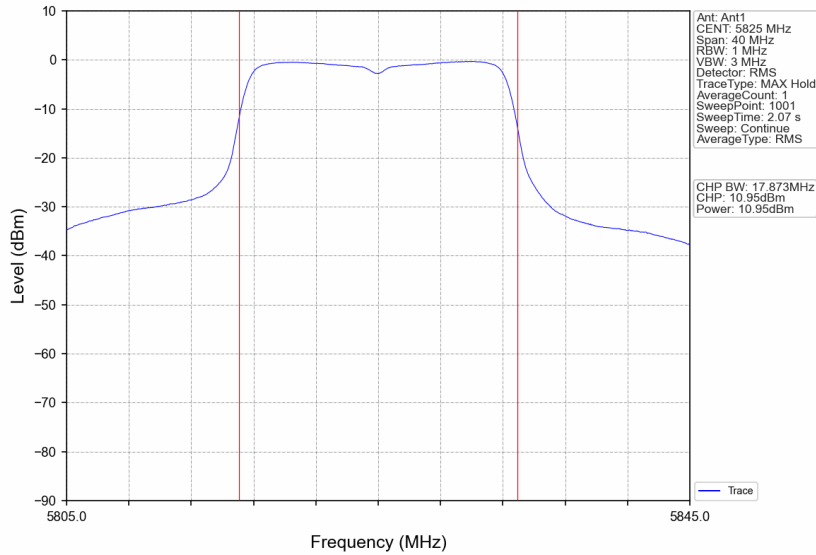
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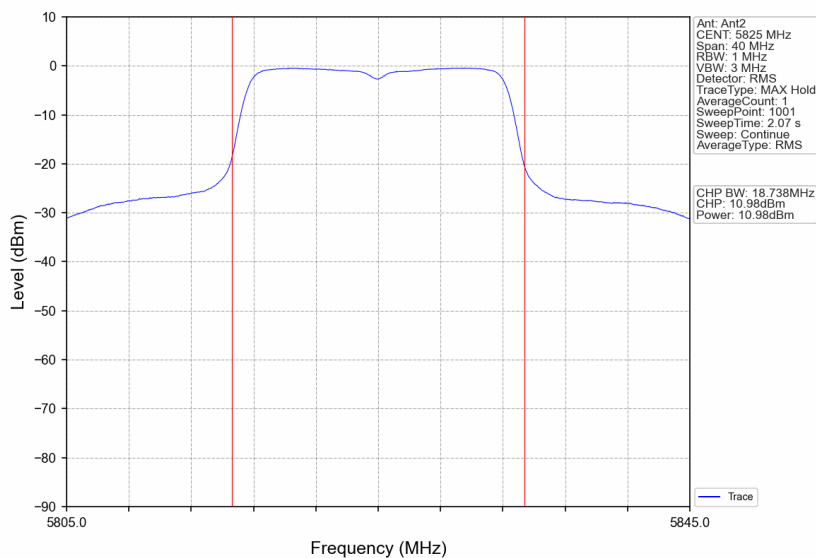
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802.11a\_HCH\_5825MHz\_Ant2\_NTNV



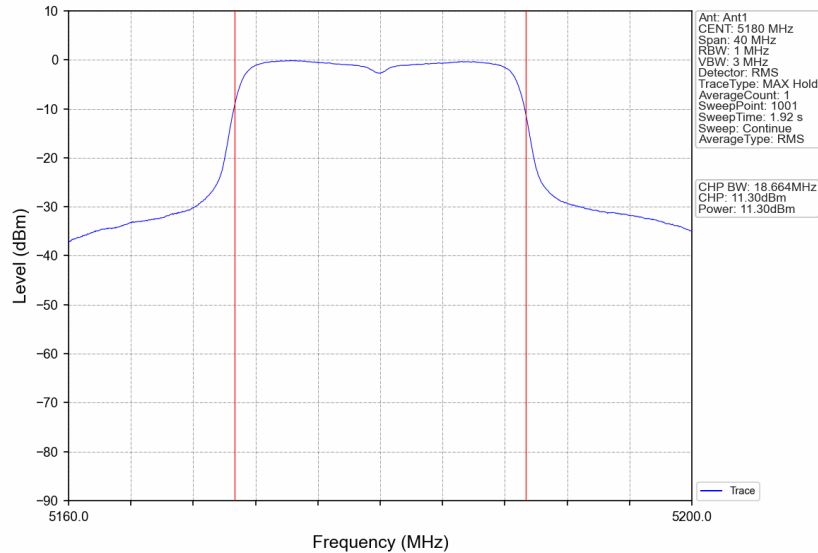
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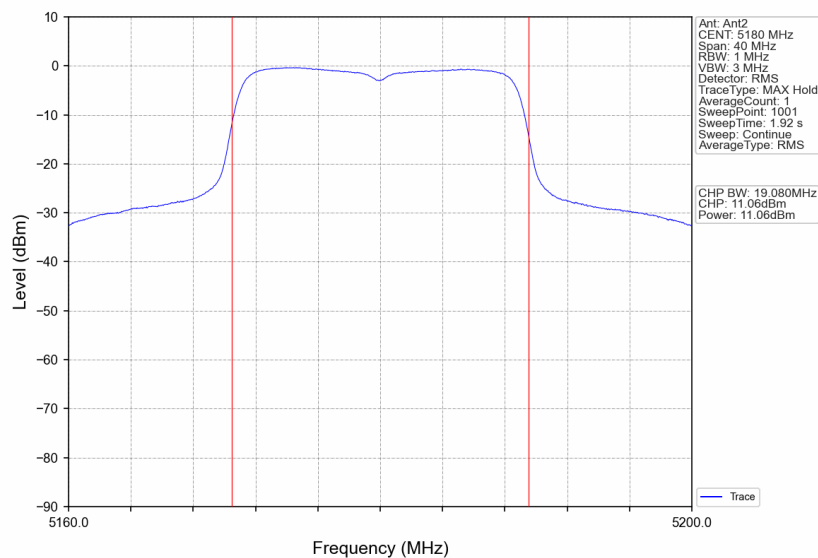
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



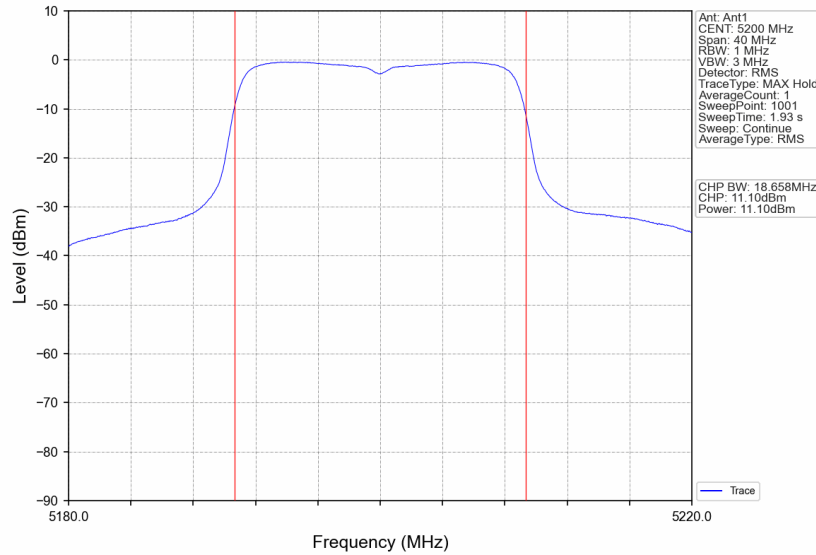
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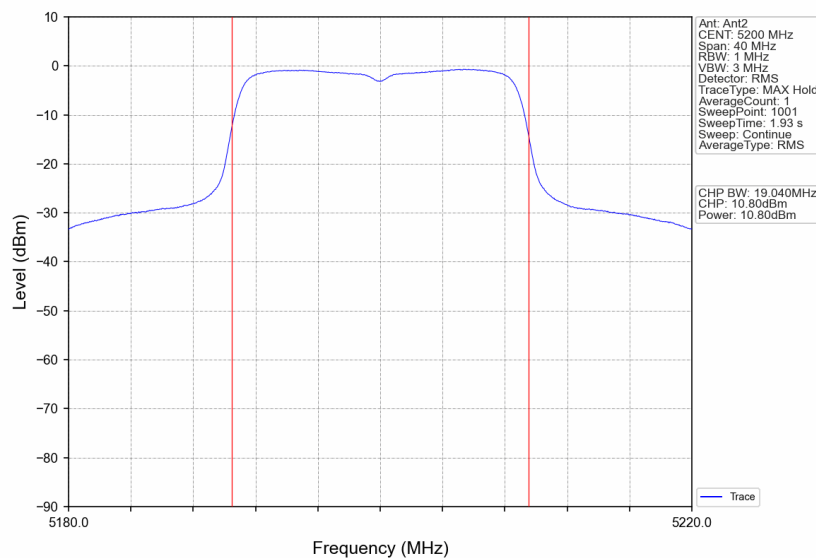
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



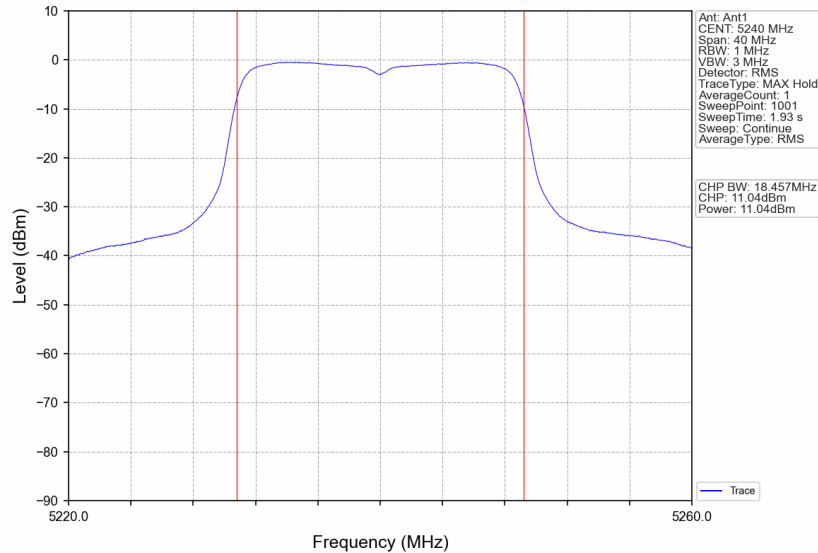
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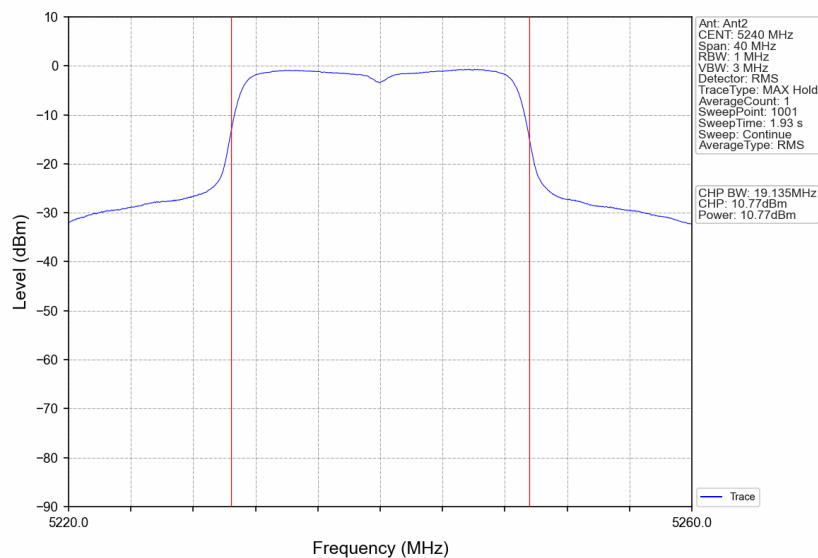
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



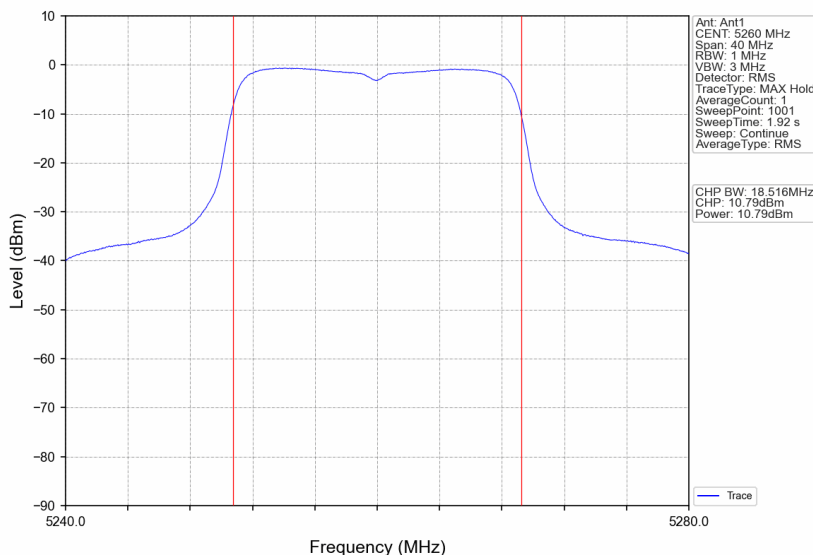
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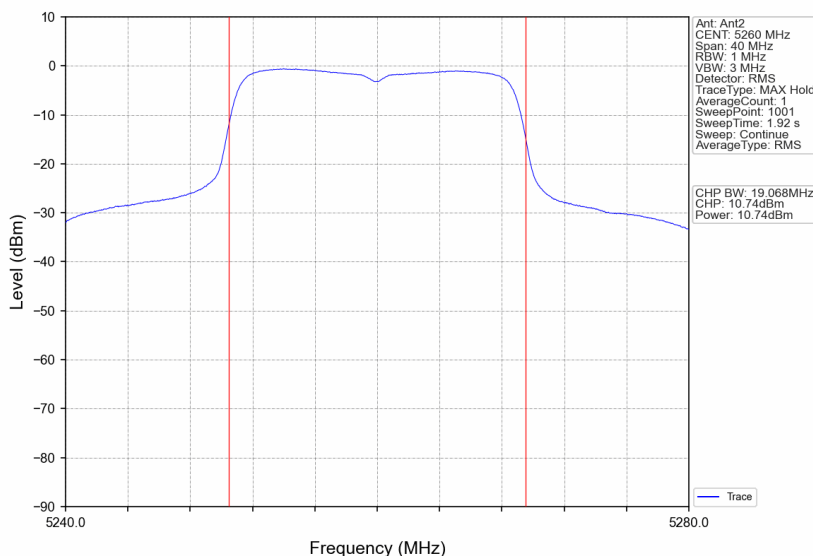
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802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



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