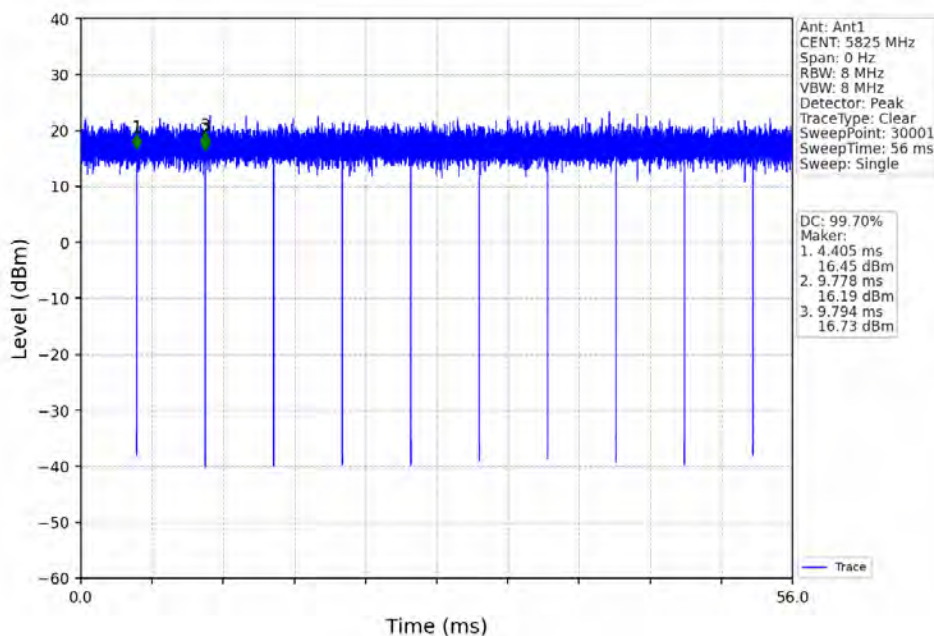
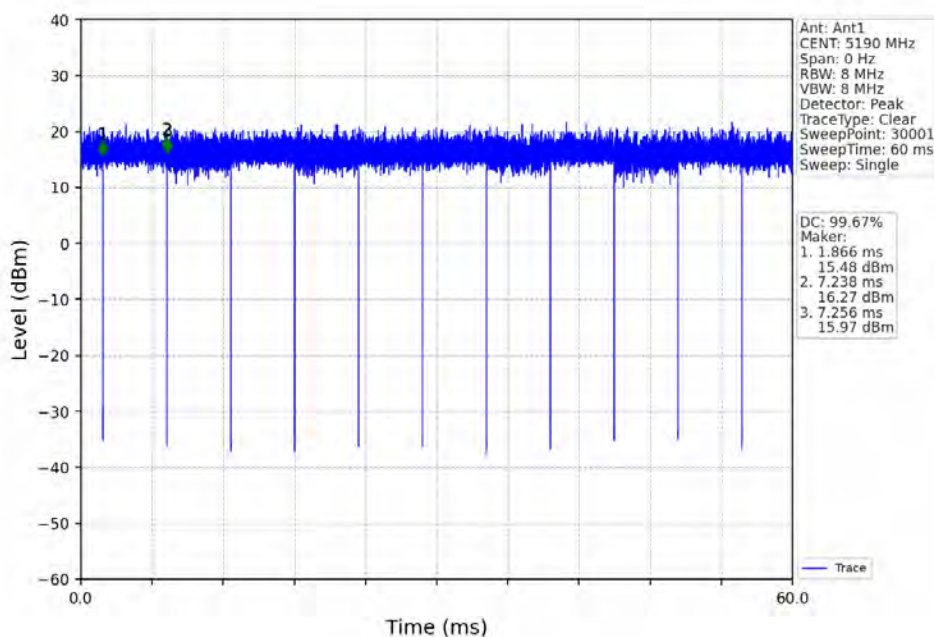


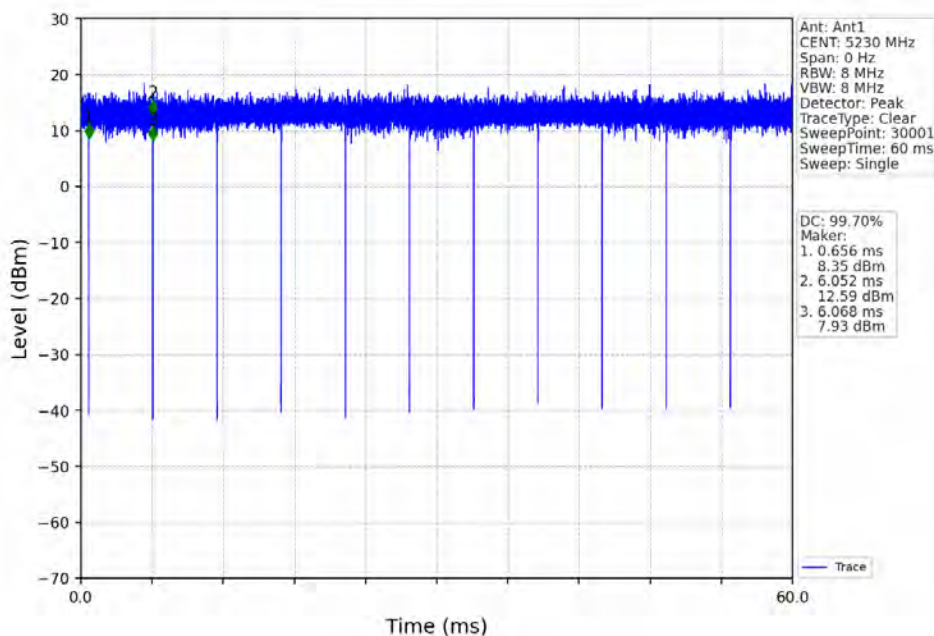
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



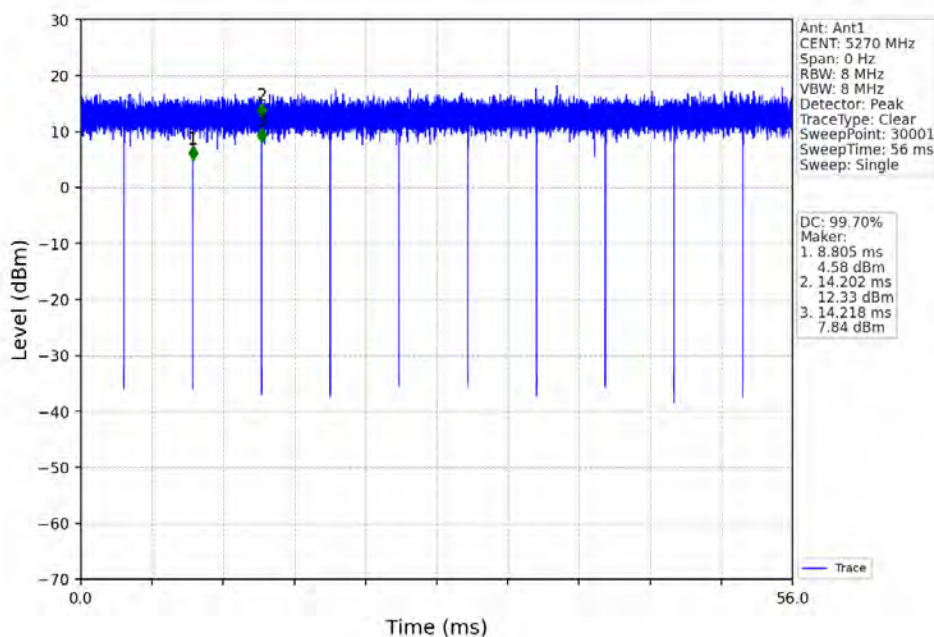
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



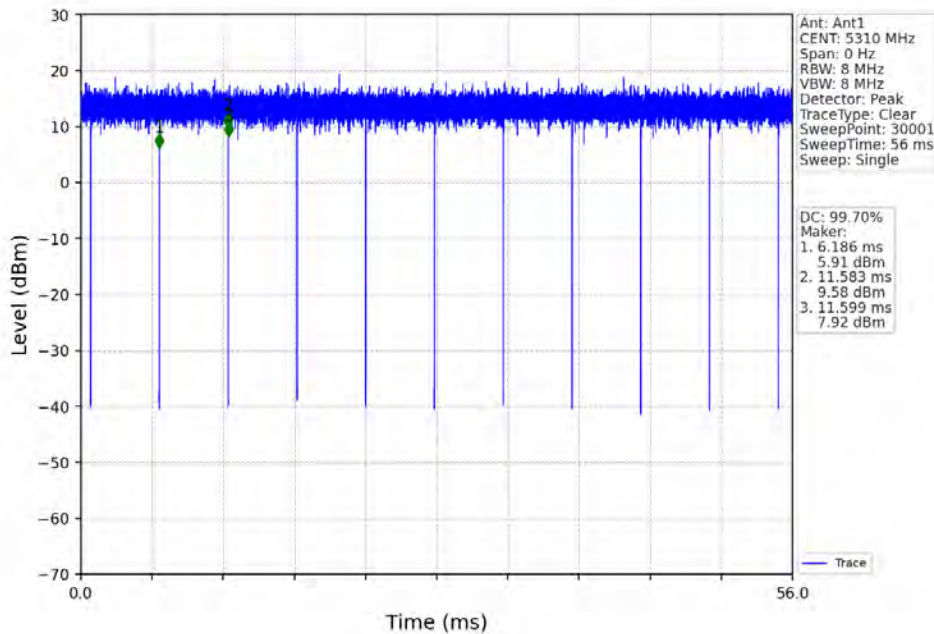
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



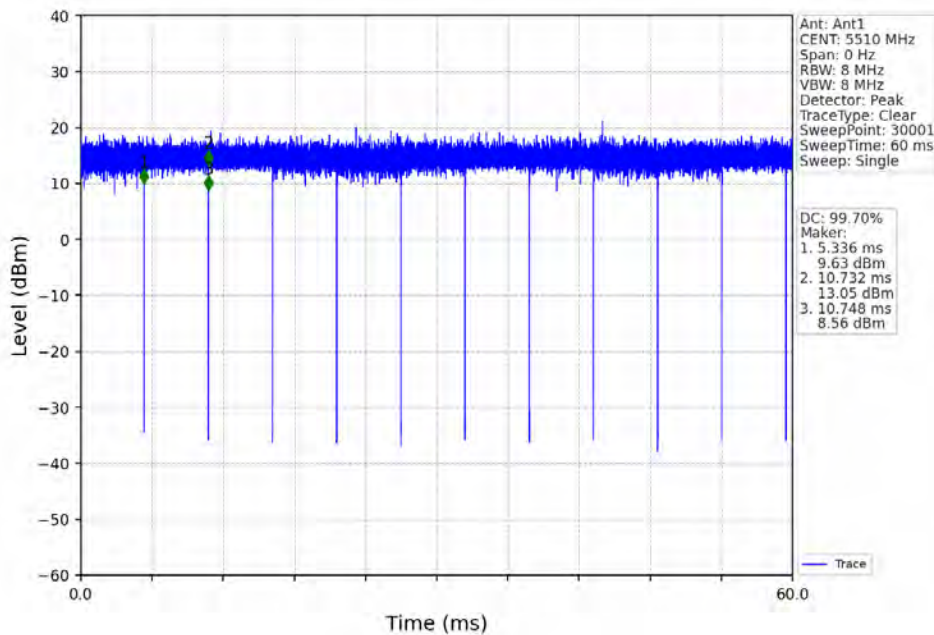
802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV



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



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



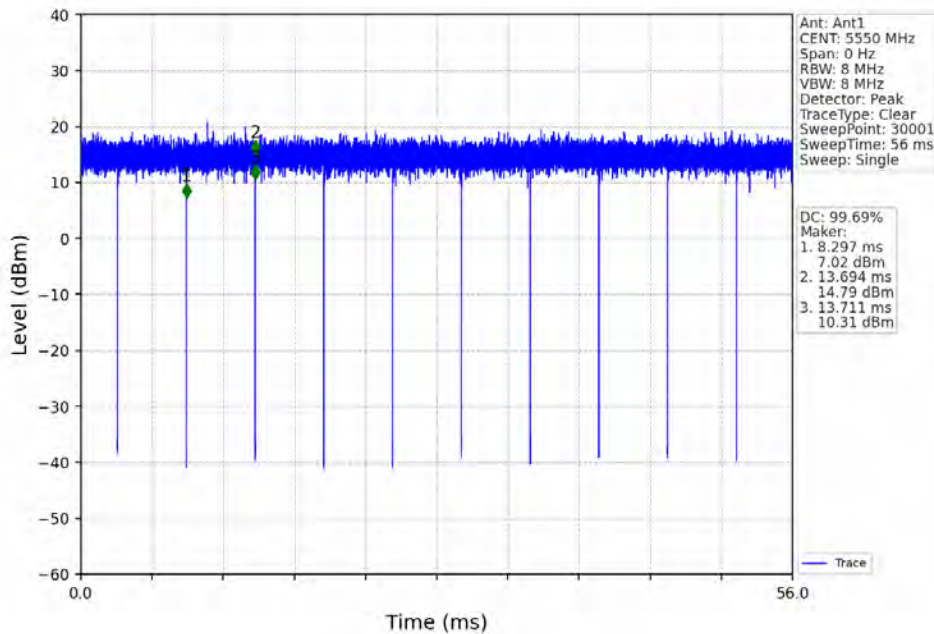
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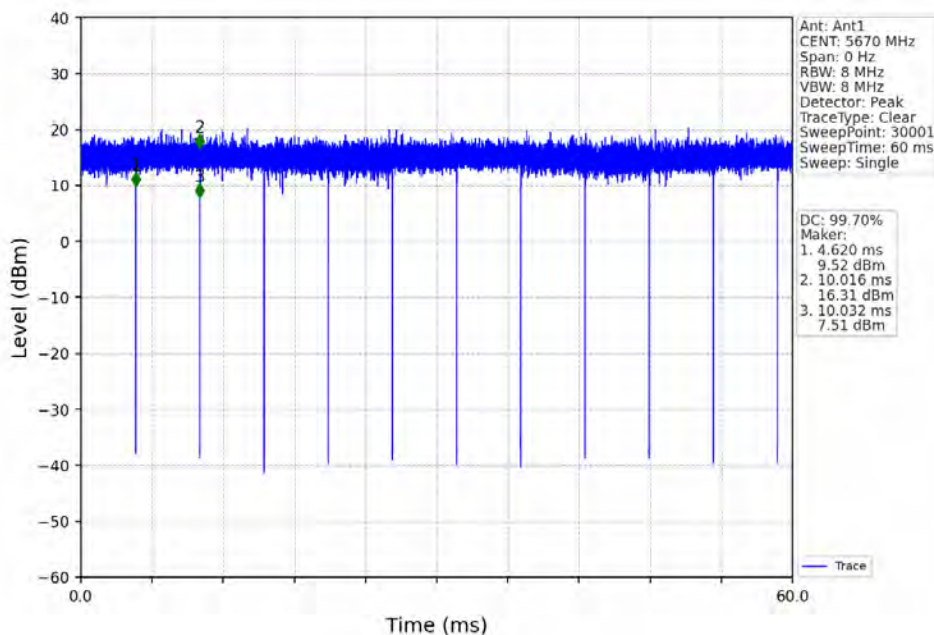
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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
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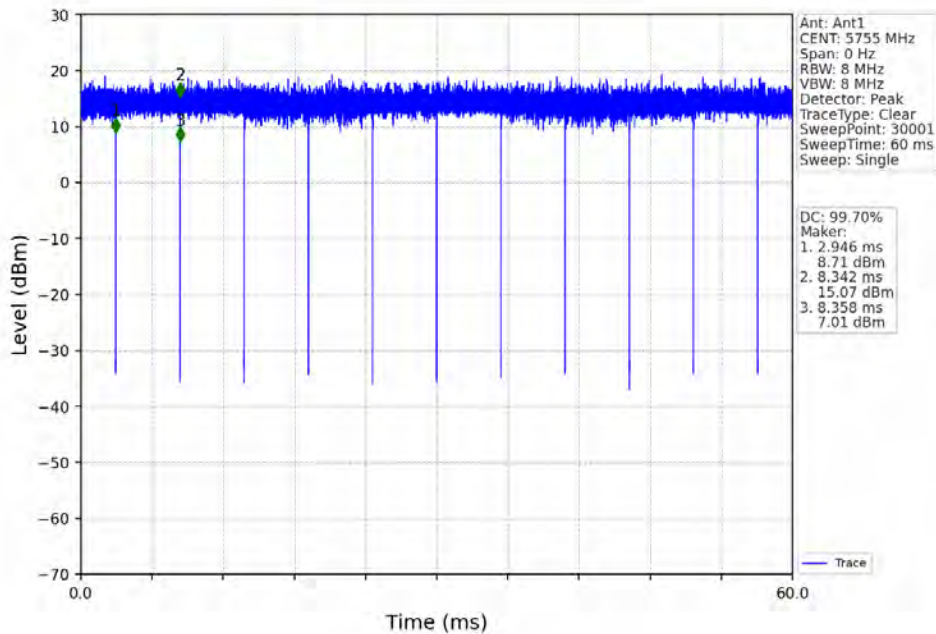
802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



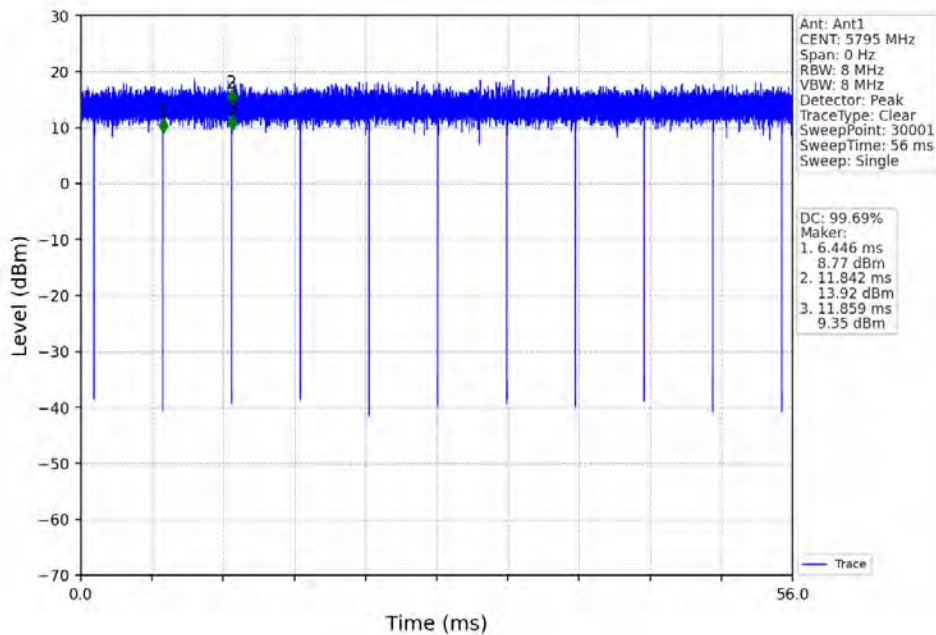
802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



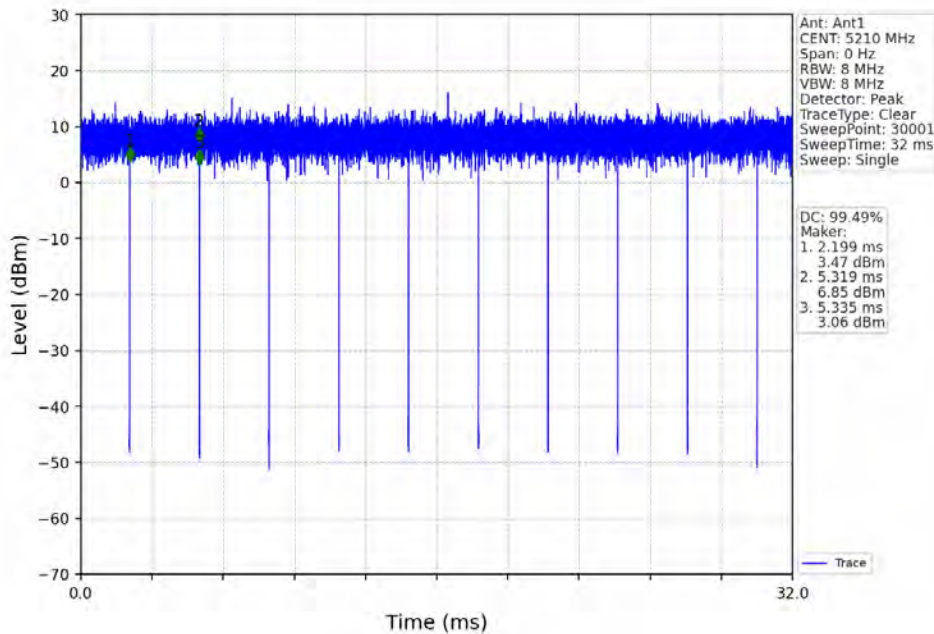
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



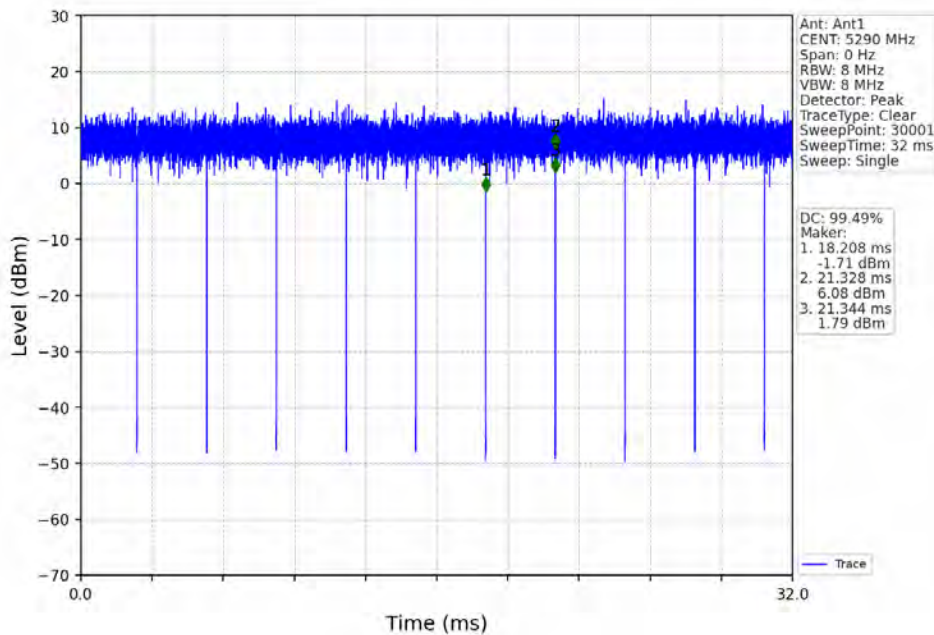
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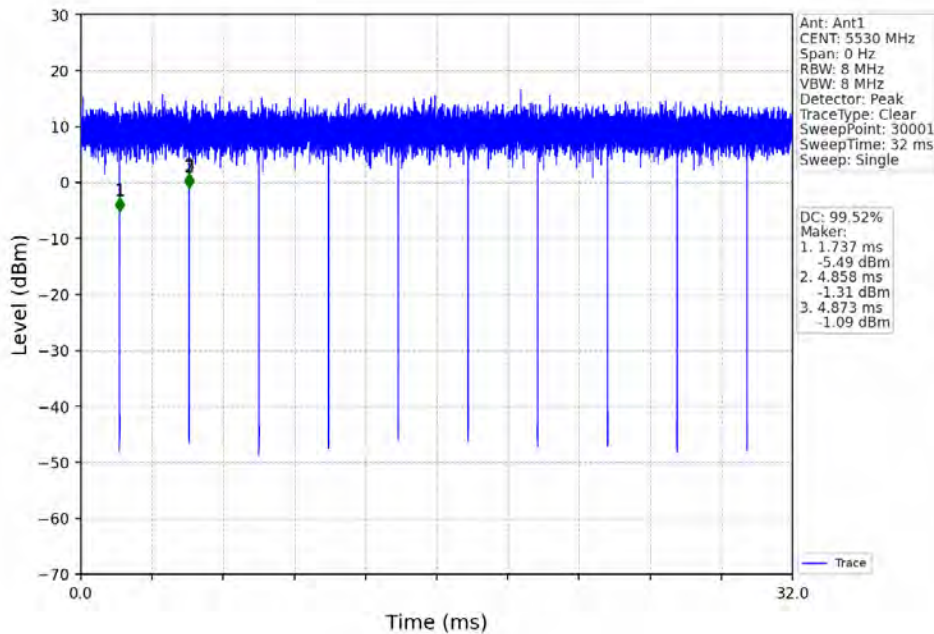
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



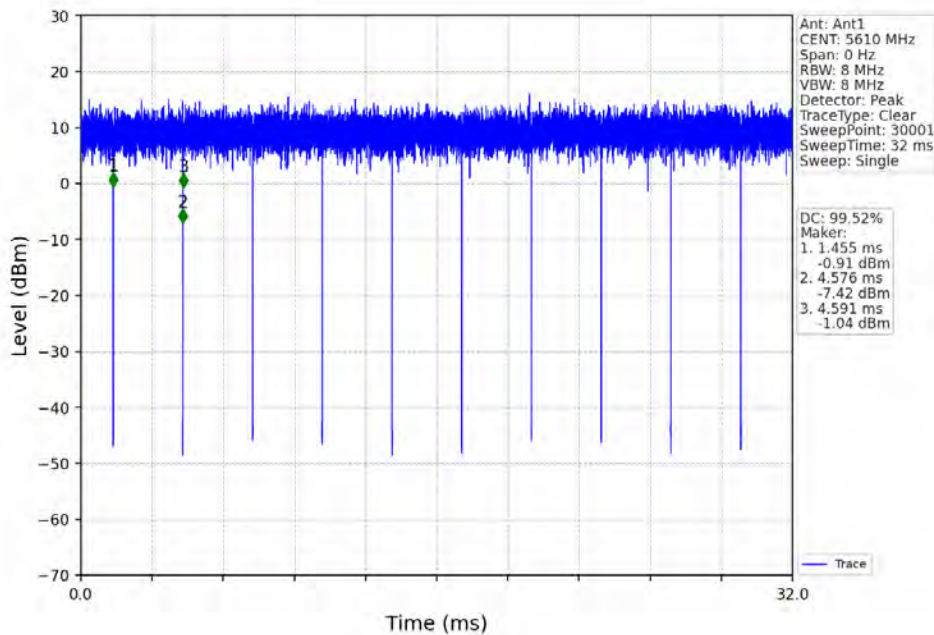
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



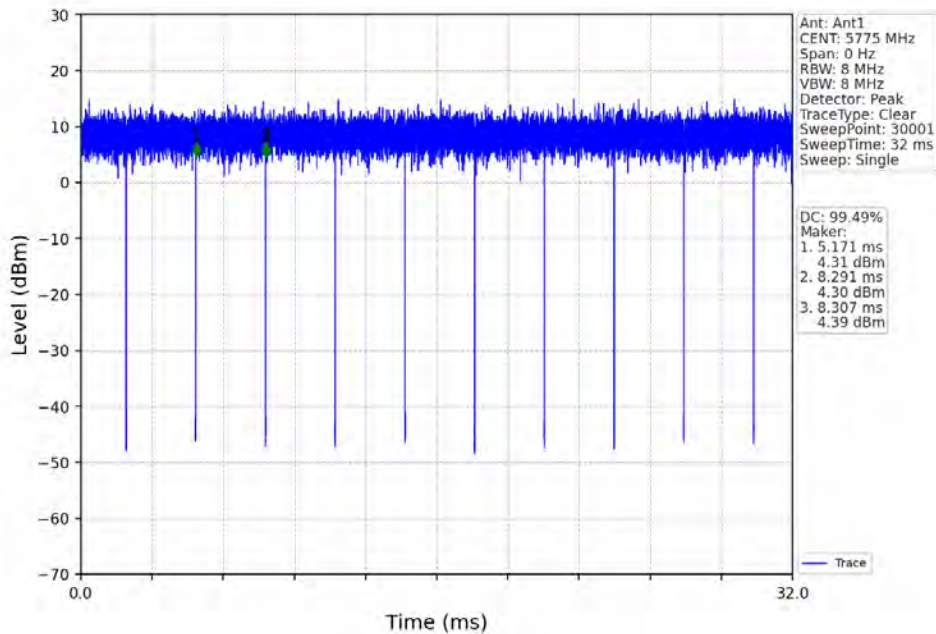
802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



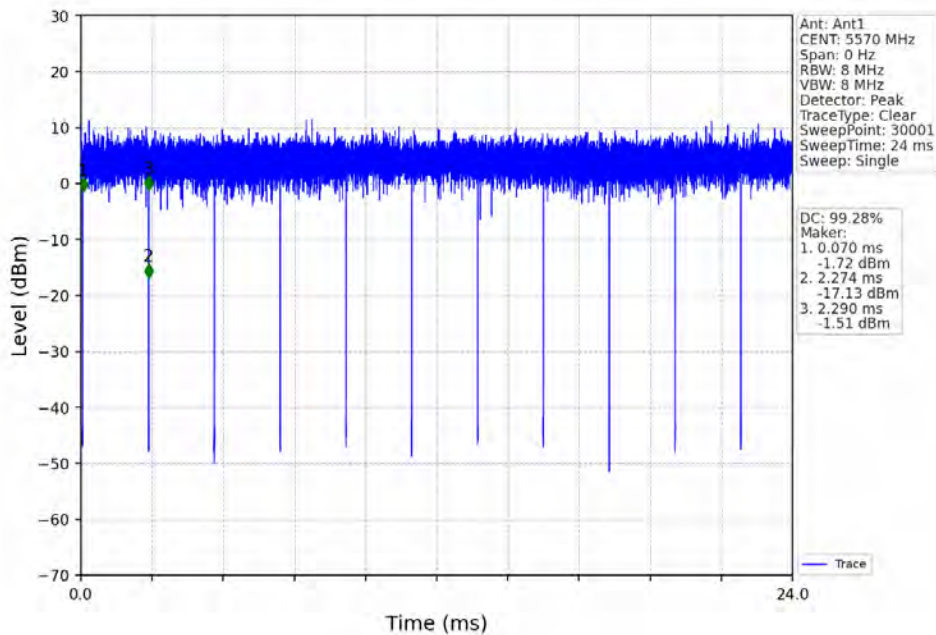
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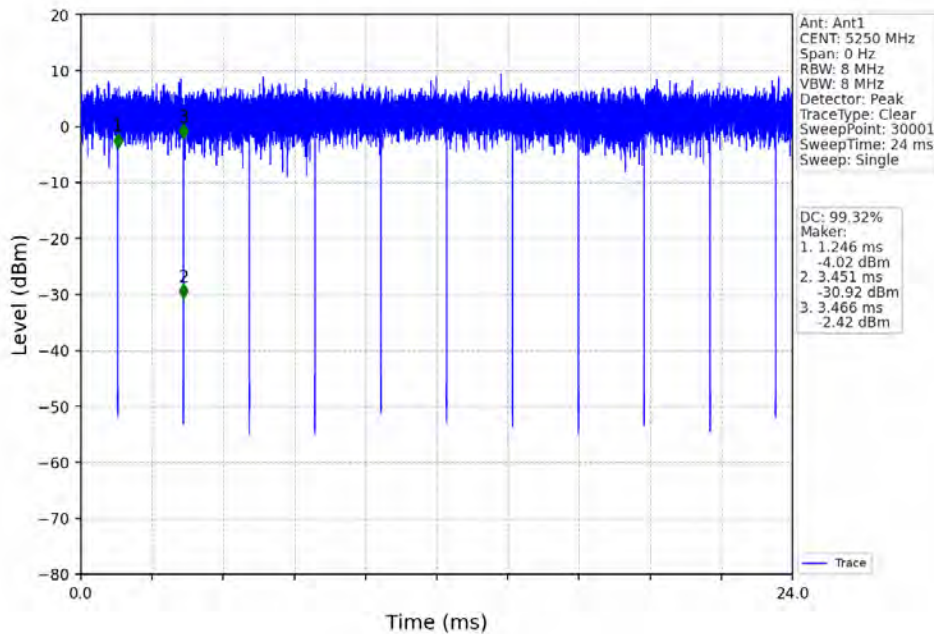
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



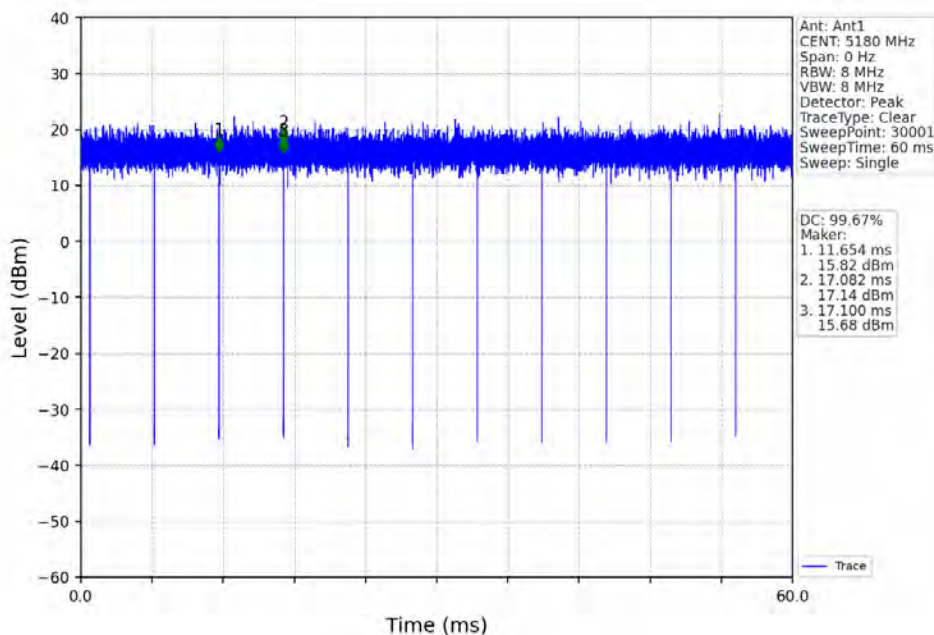
802.11ac(VHT160)\_MCH\_5570MHz\_Ant1\_NTNV



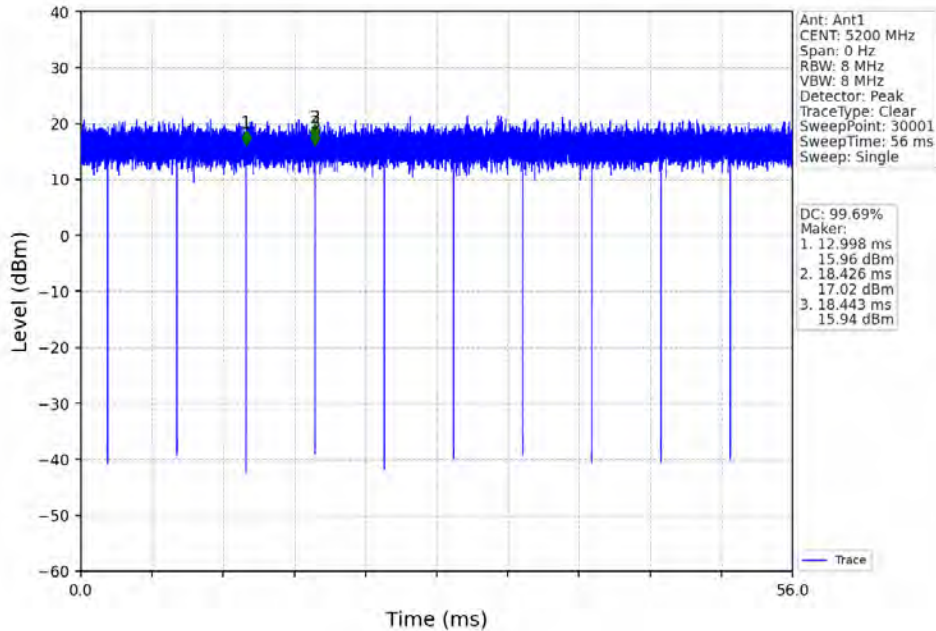
802.11ac(VHT160)\_MCH\_5250MHz\_Ant1\_NTNV



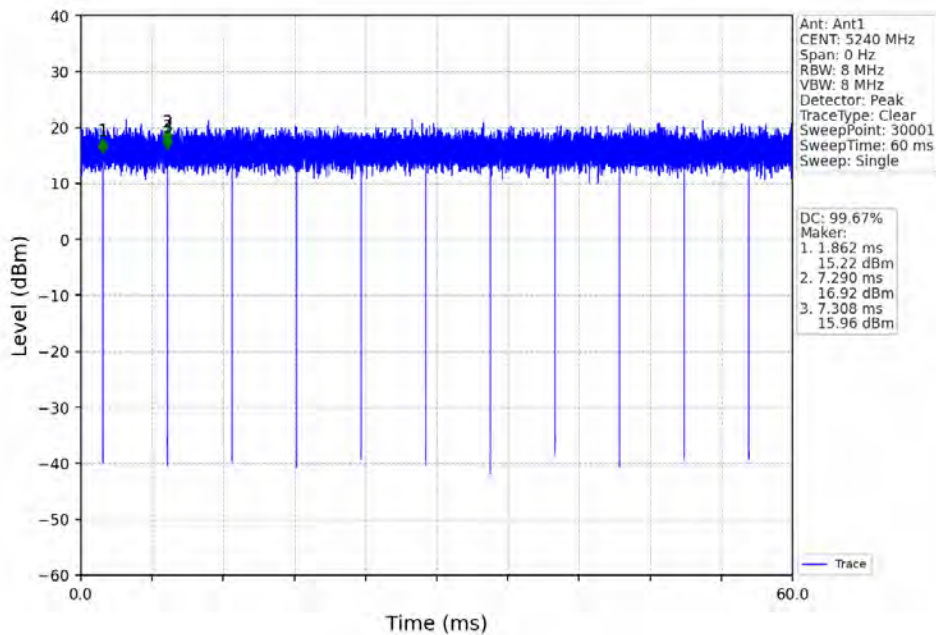
802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV



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



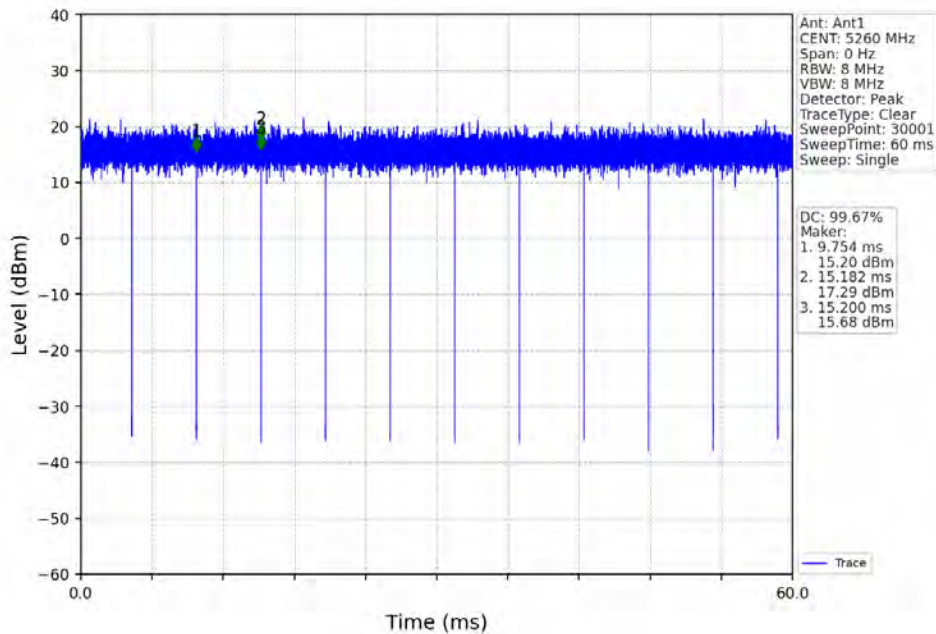
### 802.11ax(HEW20)\_HCH\_5240MHz\_RU242\_Left\_Ant1\_NTNV



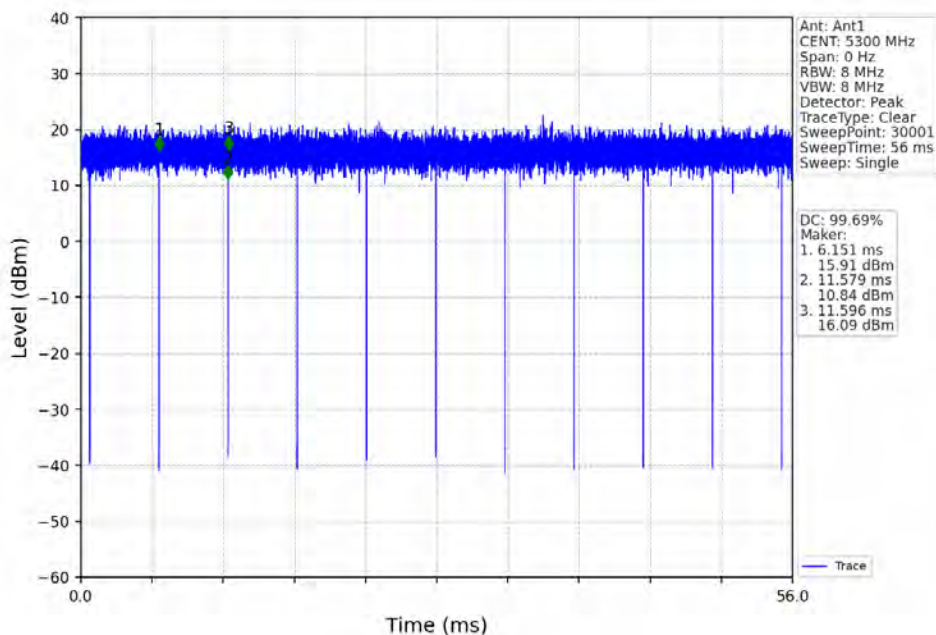
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802.11ax(HEW20)\_LCH\_5260MHz\_RU242\_Left\_Ant1\_NTNV



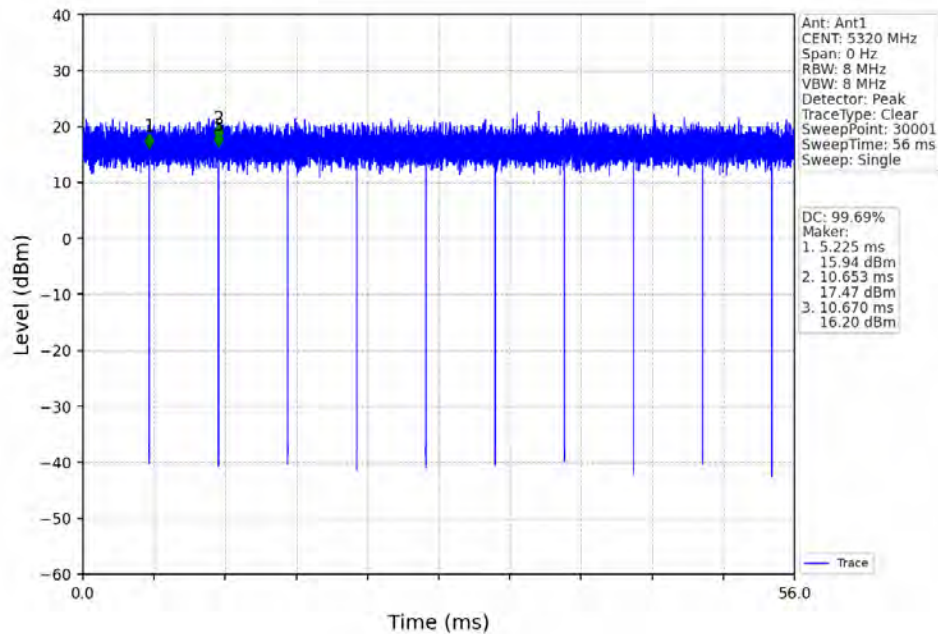
802.11ax(HEW20)\_MCH\_5300MHz\_RU242\_Left\_Ant1\_NTNV



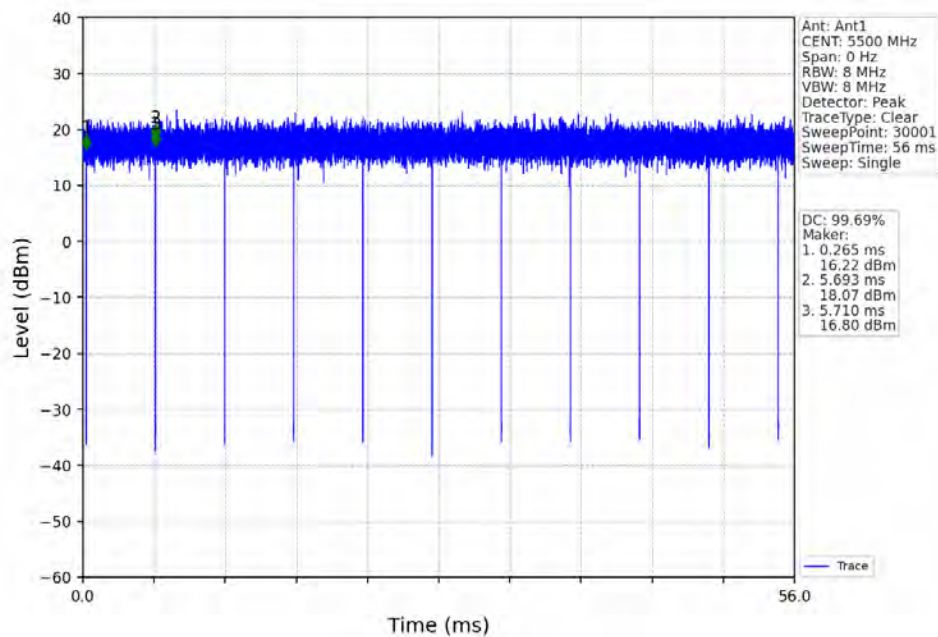
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802.11ax(HEW20)\_HCH\_5320MHz\_RU242\_Left\_Ant1\_NTNV



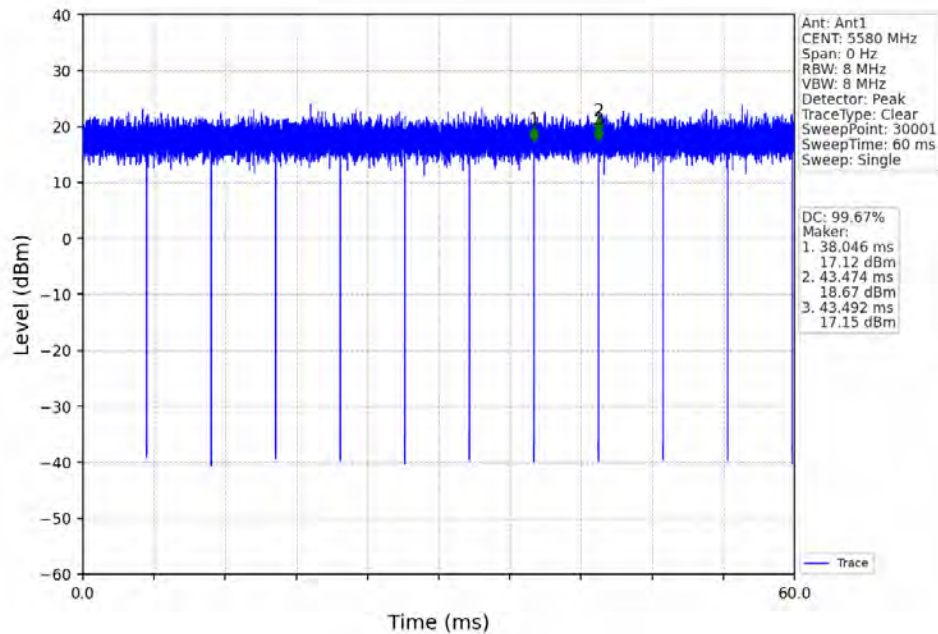
802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV



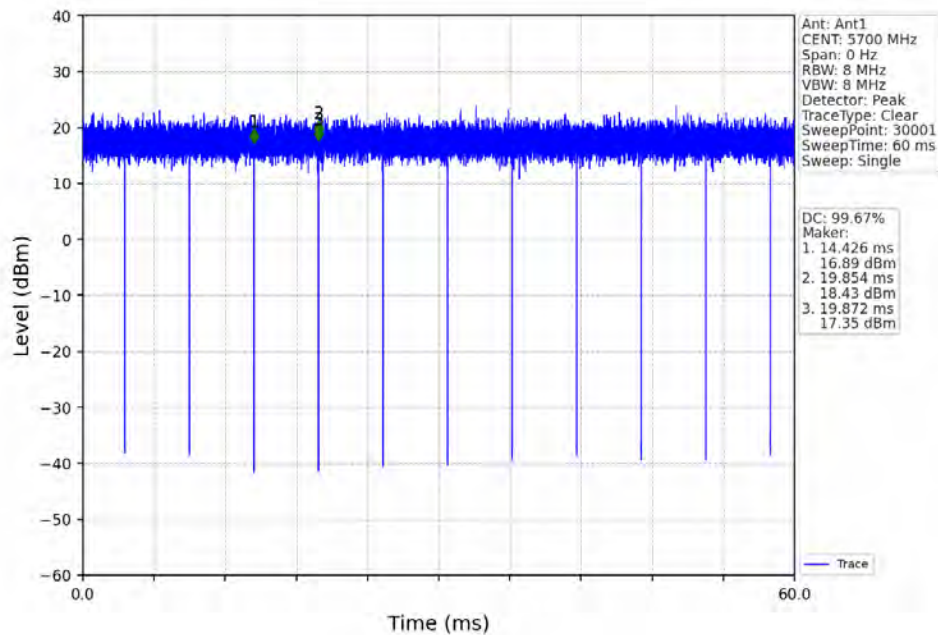
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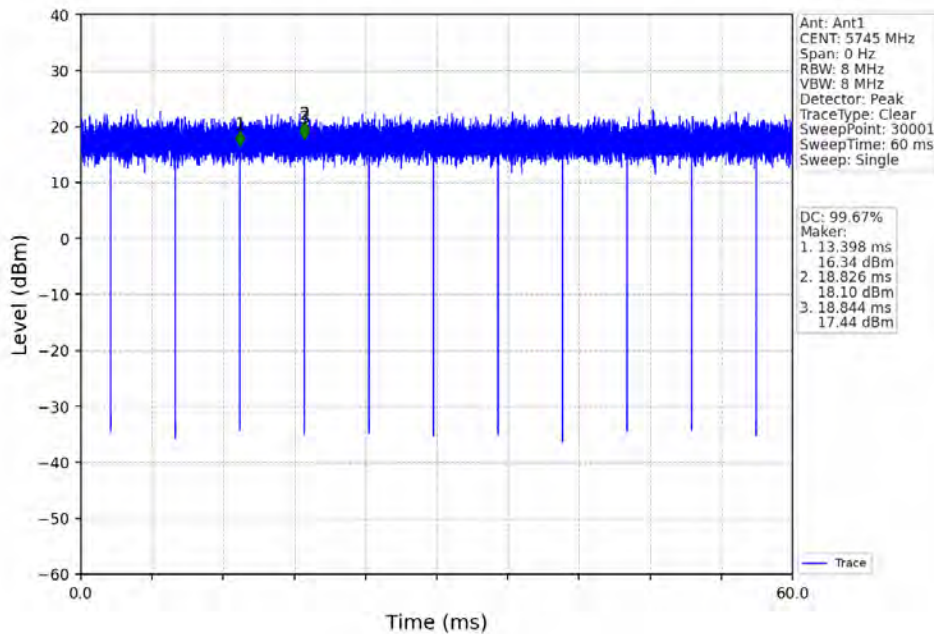
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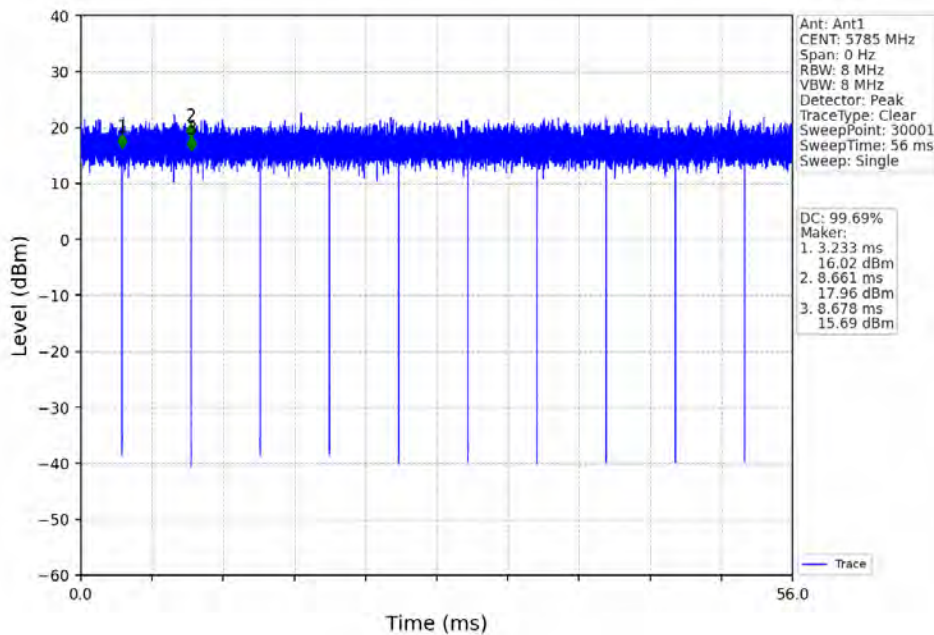
802.11ax(HEW20)\_HCH\_5700MHz\_RU242\_Left\_Ant1\_NTNV



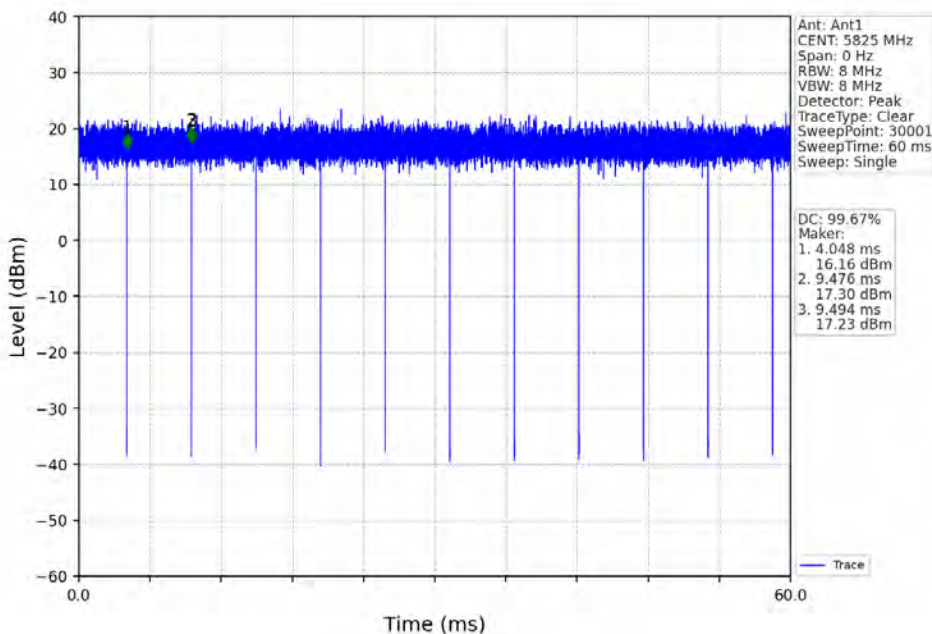
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



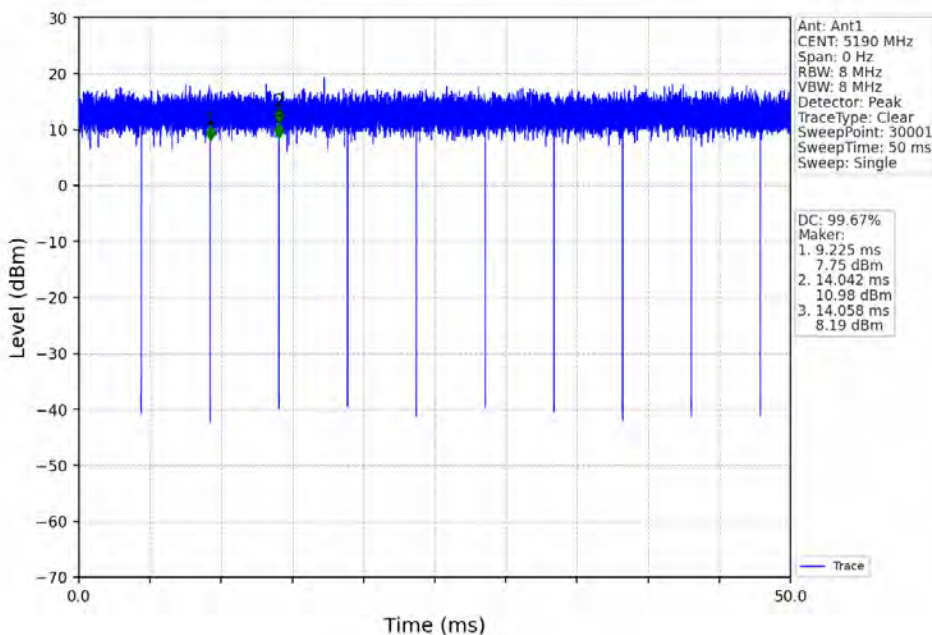
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



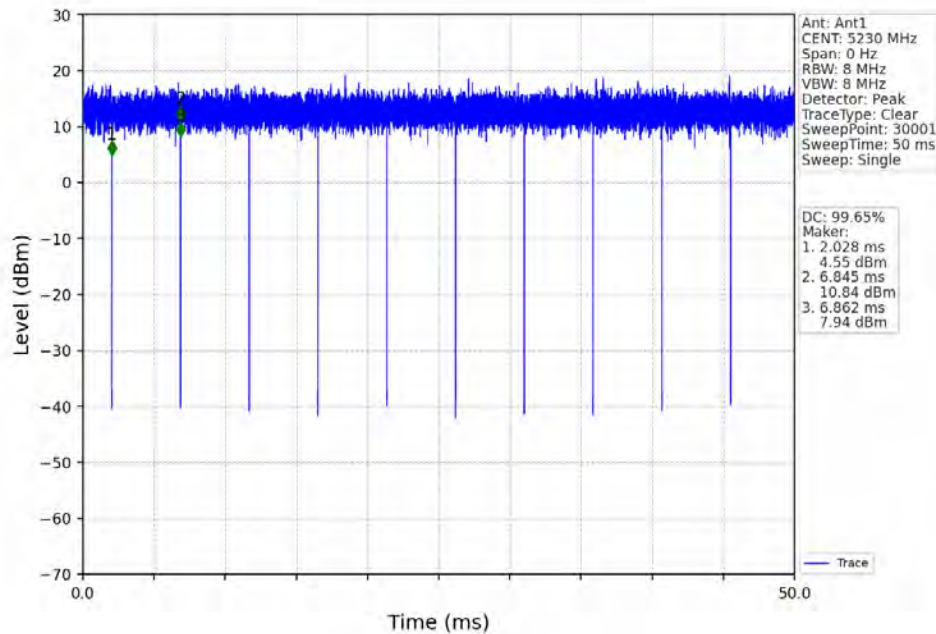
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



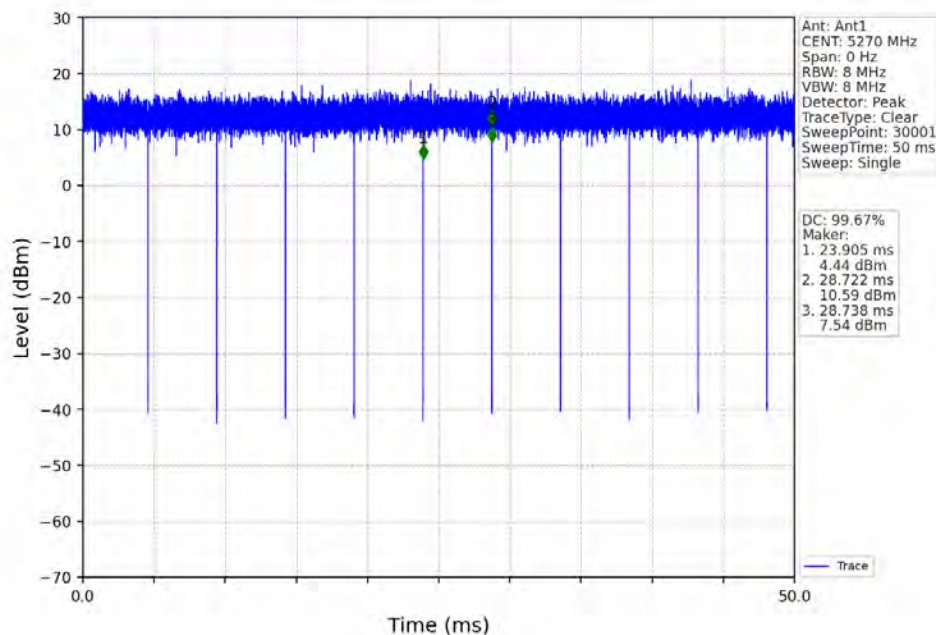
802.11ax(HEW40)\_LCH\_5190MHz\_RU484\_Left\_Ant1\_NTNV



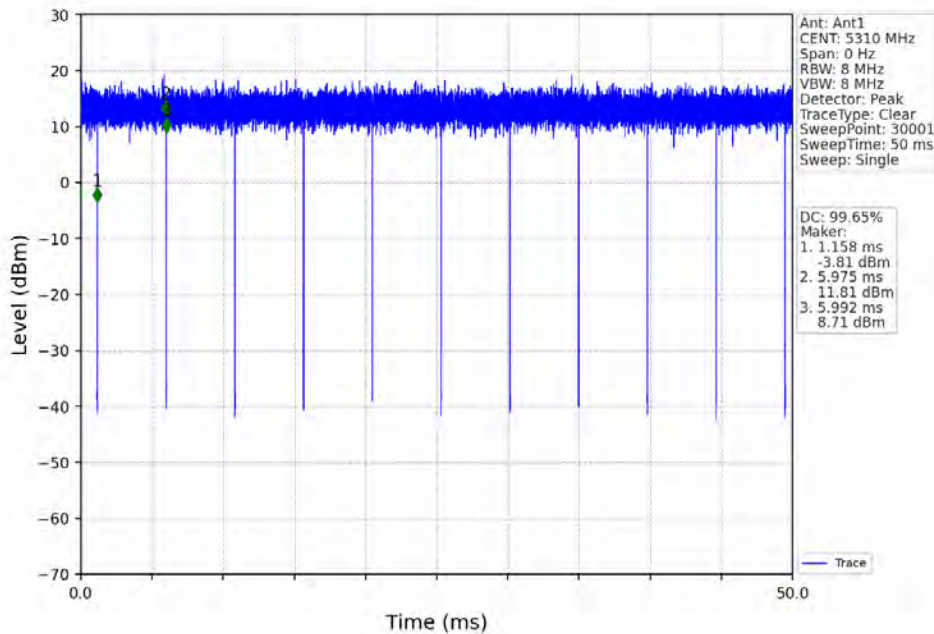
802.11ax(HEW40)\_HCH\_5230MHz\_RU484\_Left\_Ant1\_NTNV



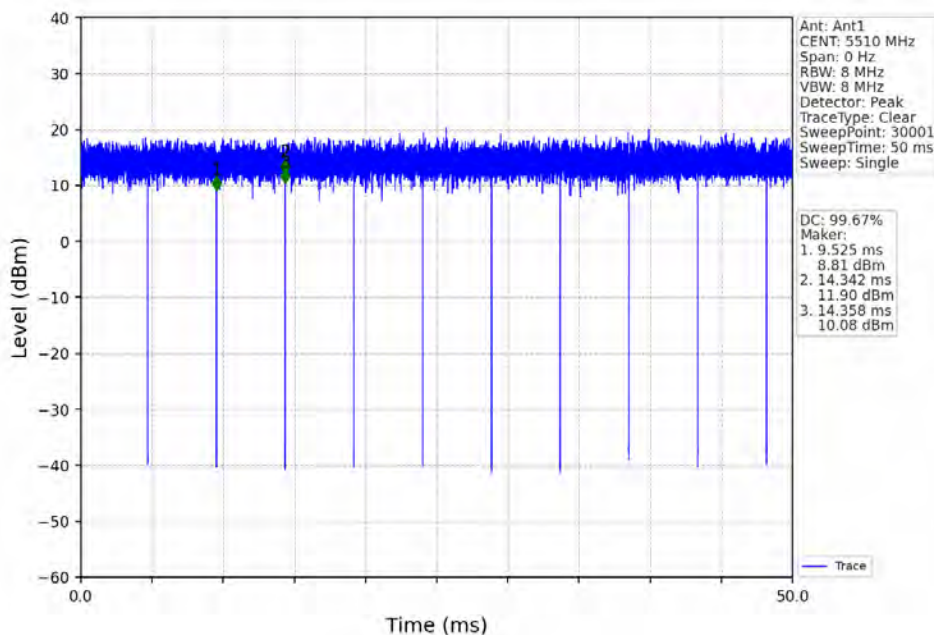
802.11ax(HEW40)\_LCH\_5270MHz\_RU484\_Left\_Ant1\_NTNV



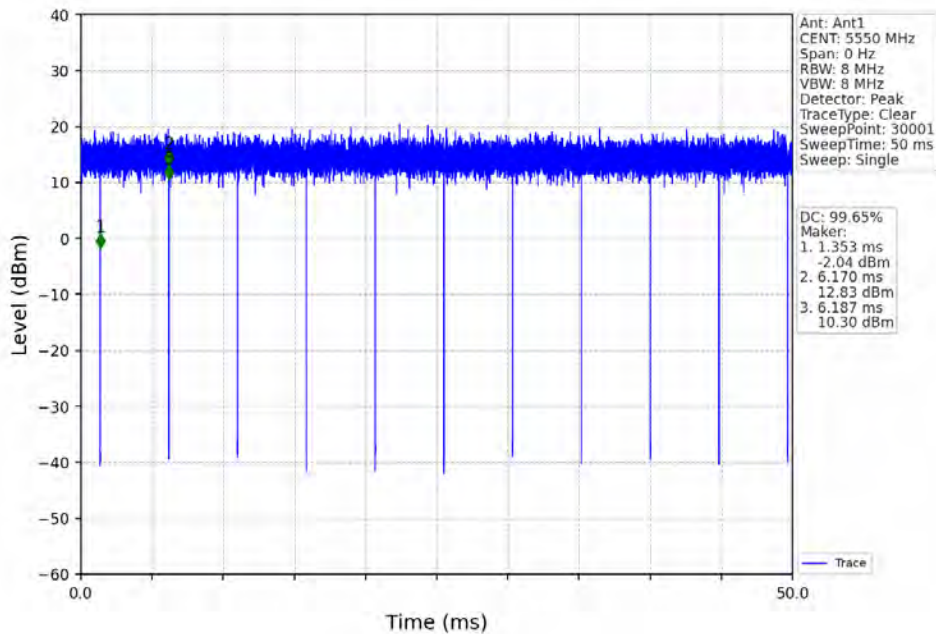
802.11ax(HEW40)\_HCH\_5310MHz\_RU484\_Left\_Ant1\_NTNV



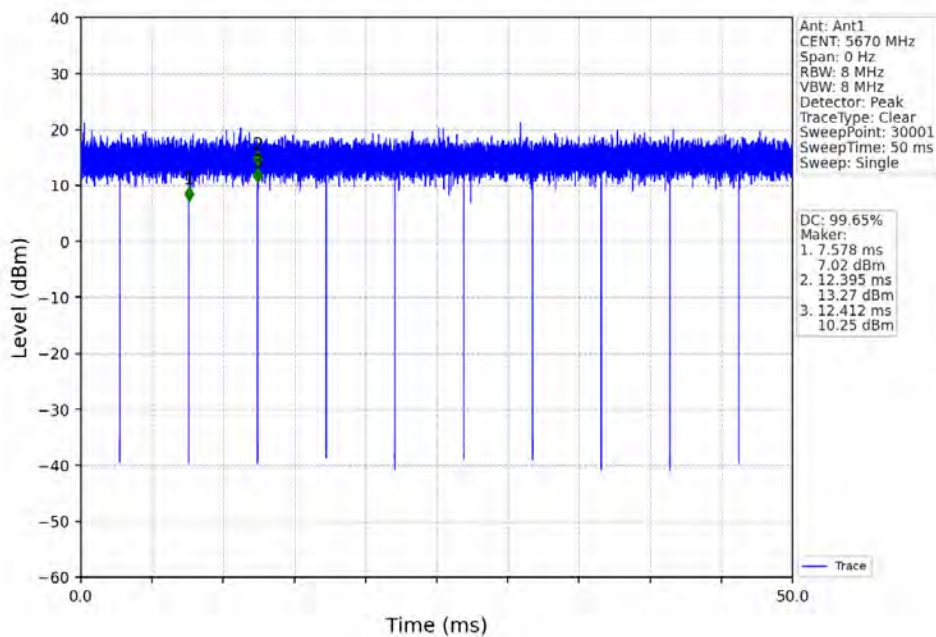
802.11ax(HEW40)\_LCH\_5510MHz\_RU484\_Left\_Ant1\_NTNV



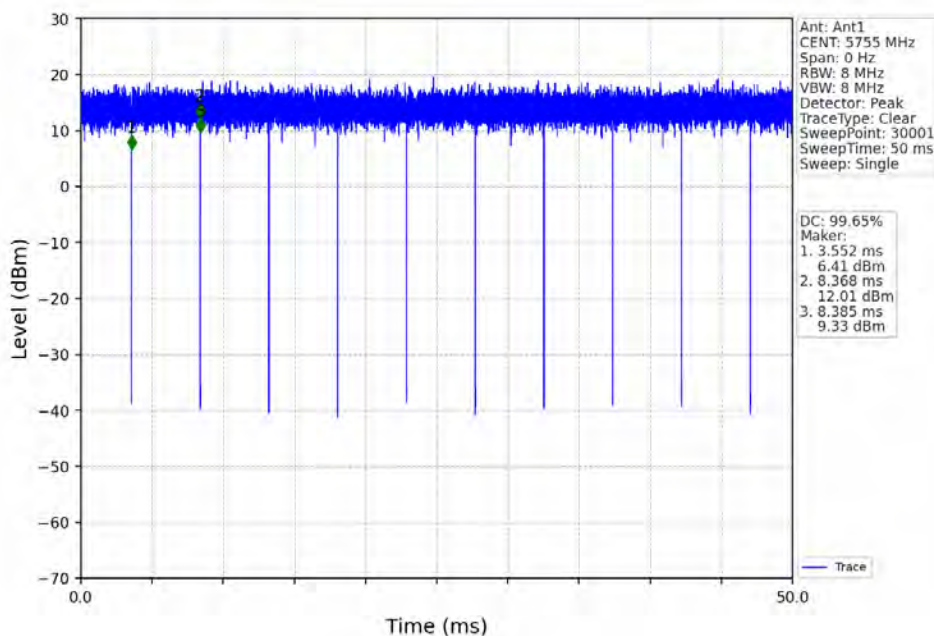
802.11ax(HEW40)\_MCH\_5550MHz\_RU484\_Left\_Ant1\_NTNV



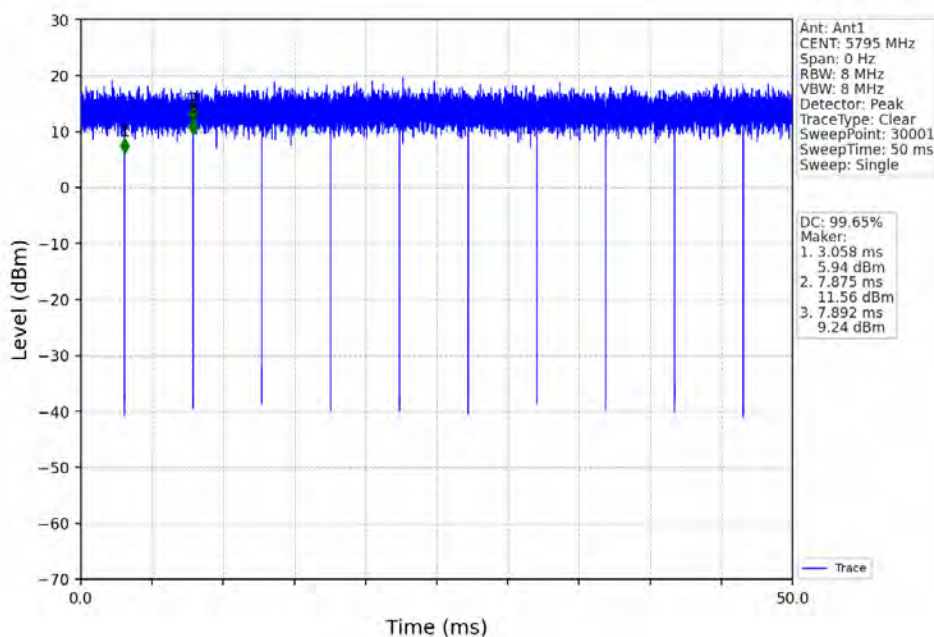
802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant1\_NTNV



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



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



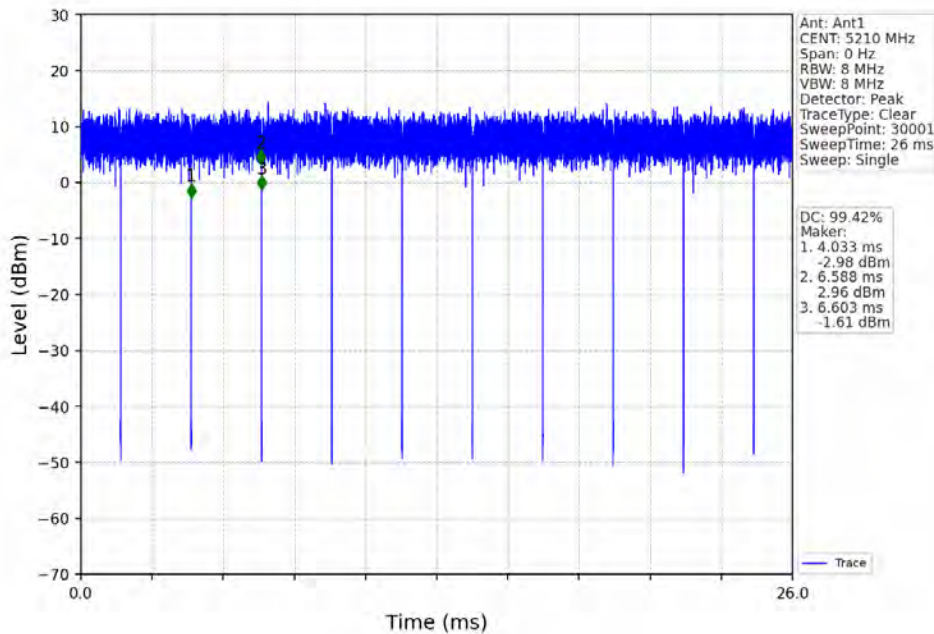
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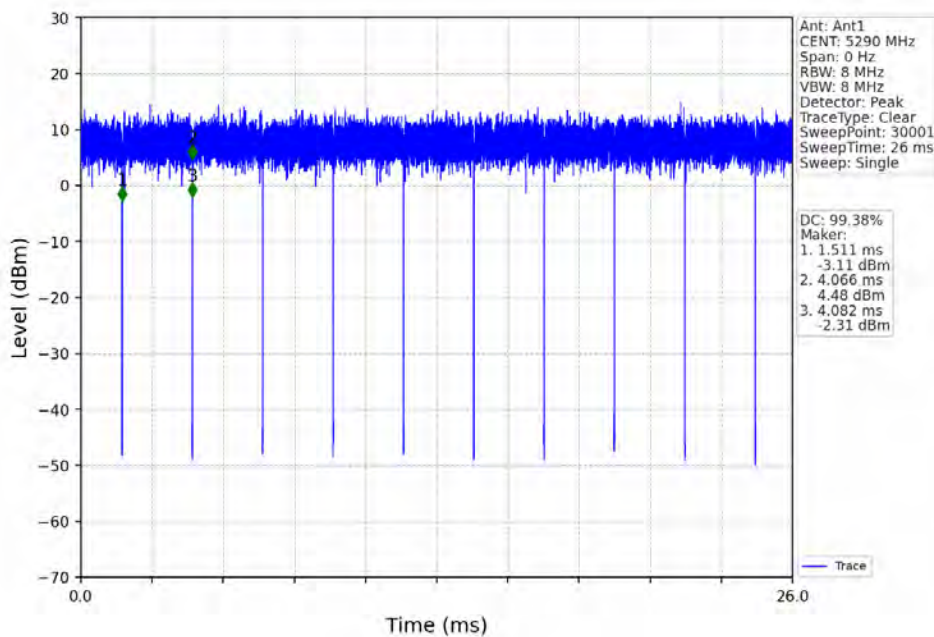
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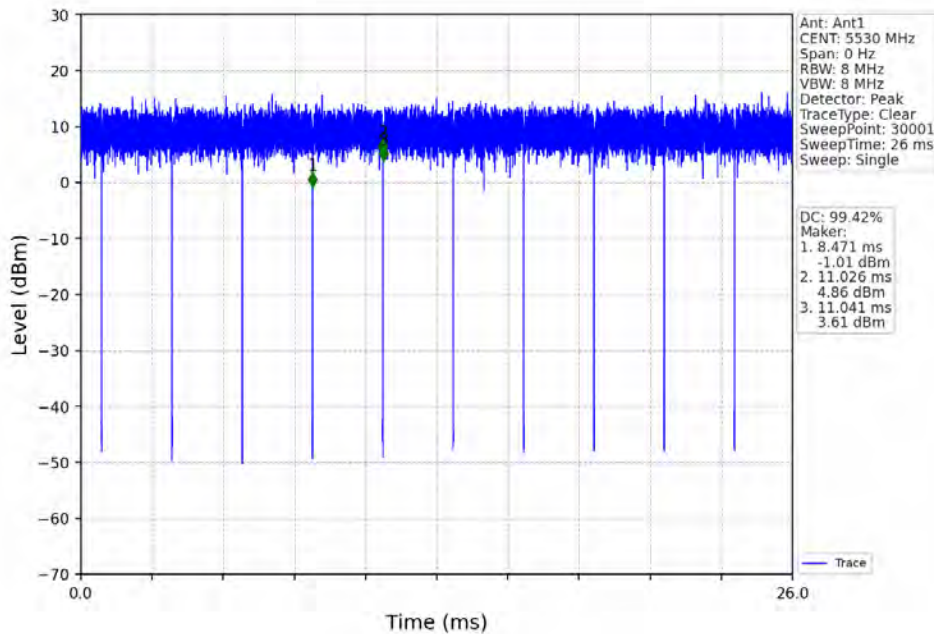
802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV



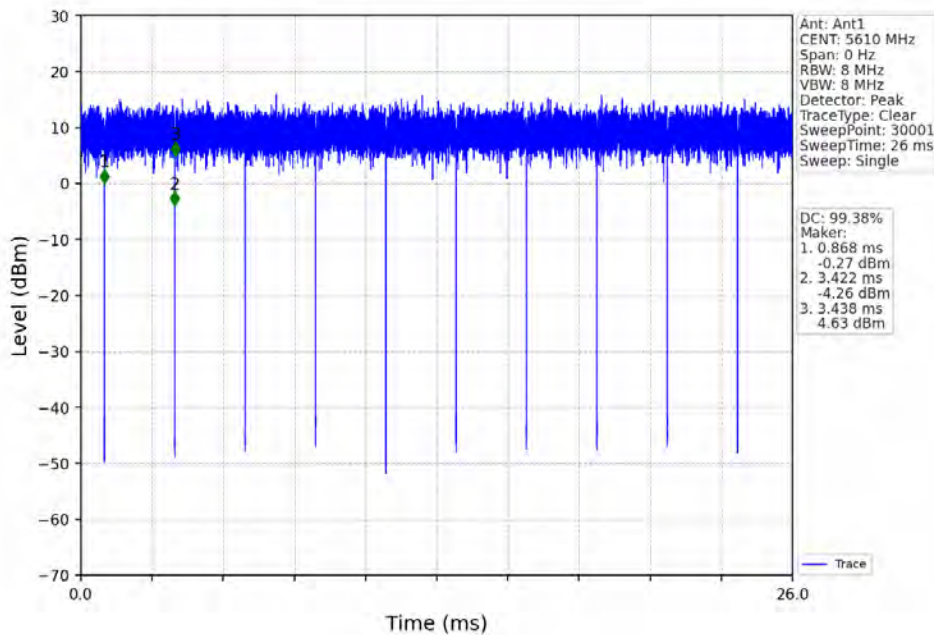
802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant1\_NTNV



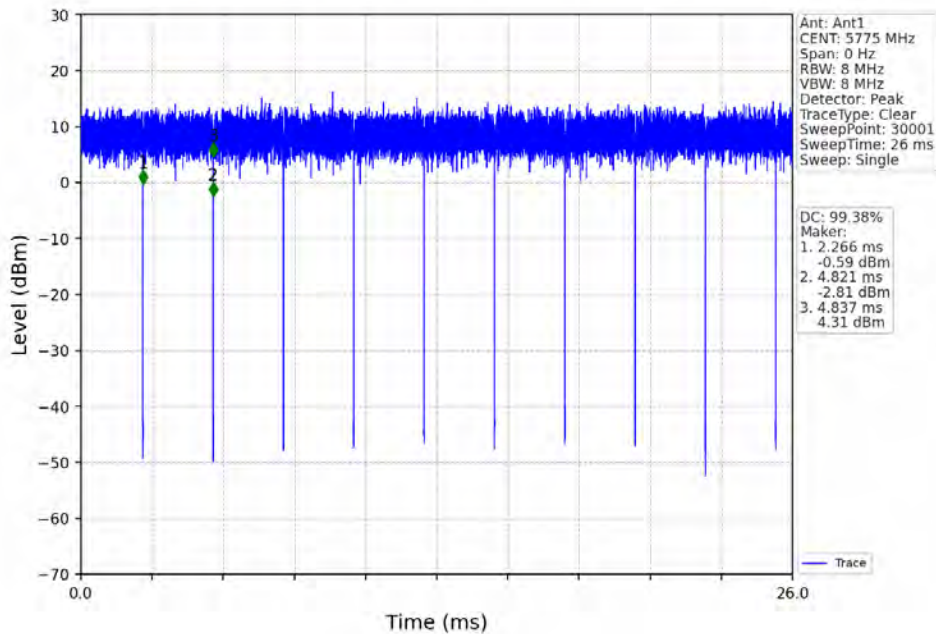
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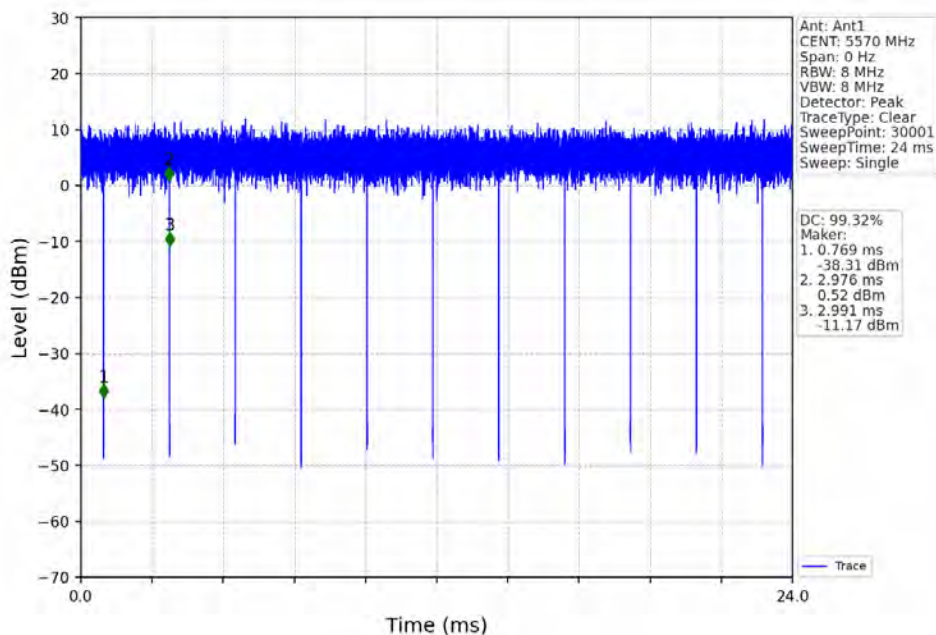
802.11ax(HEW80)\_HCH\_5610MHz\_RU996\_Left\_Ant1\_NTNV



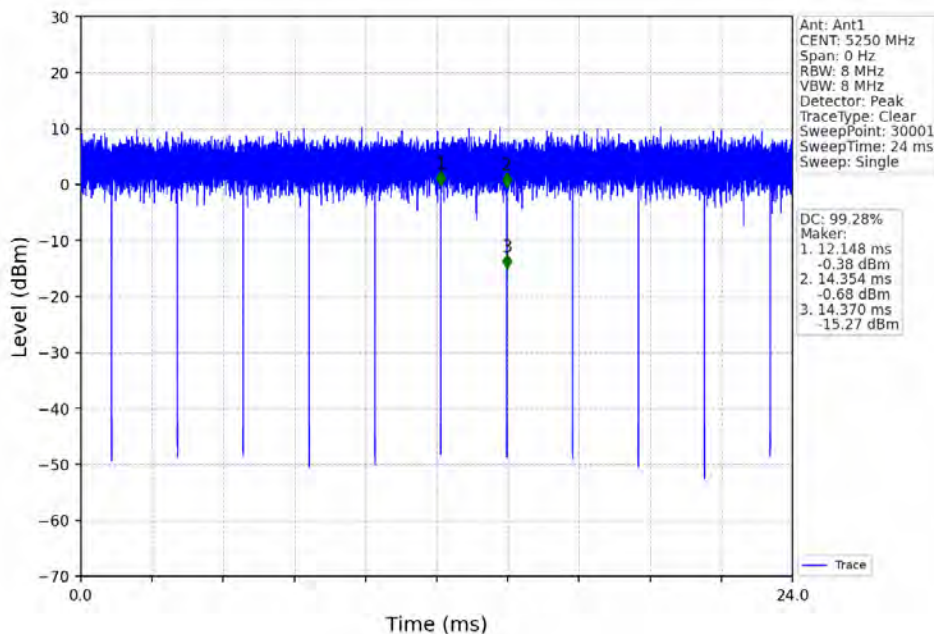
802.11ax(HEW80)\_MCH\_5775MHz\_RU996\_Left\_Ant1\_NTNV



802.11ax(HEW160)\_MCH\_5570MHz\_2xRU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW160)\_MCH\_5250MHz\_2xRU996\_Left\_Ant1\_NTNV



## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|----|--------|-----|------------------------------|-------|---------|
|                |         |                 |    |        |     | Result                       | Limit |         |
| 802.11a        | SISO    | 5180            | /  | /      | 1   | 16.971                       | /     | Pass    |
|                |         | 5200            | /  | /      | 1   | 16.960                       | /     | Pass    |
|                |         | 5240            | /  | /      | 1   | 16.973                       | /     | Pass    |
|                |         | 5260            | /  | /      | 1   | 17.015                       | /     | Pass    |
|                |         | 5300            | /  | /      | 1   | 17.020                       | /     | Pass    |
|                |         | 5320            | /  | /      | 1   | 17.007                       | /     | Pass    |
|                |         | 5500            | /  | /      | 1   | 16.959                       | /     | Pass    |
|                |         | 5580            | /  | /      | 1   | 16.920                       | /     | Pass    |
|                |         | 5700            | /  | /      | 1   | 16.923                       | /     | Pass    |
|                |         | 5745            | /  | /      | 1   | 16.909                       | /     | Pass    |
|                |         | 5785            | /  | /      | 1   | 16.914                       | /     | Pass    |
|                |         | 5825            | /  | /      | 1   | 16.916                       | /     | Pass    |
| 802.11n (HT20) | MIMO    | 5180            | /  | /      | 1   | 17.901                       | /     | Pass    |
|                |         | 5200            | /  | /      | 1   | 17.944                       | /     | Pass    |
|                |         | 5240            | /  | /      | 1   | 17.919                       | /     | Pass    |
|                |         | 5260            | /  | /      | 1   | 17.986                       | /     | Pass    |
|                |         | 5300            | /  | /      | 1   | 17.943                       | /     | Pass    |
|                |         | 5320            | /  | /      | 1   | 17.934                       | /     | Pass    |
|                |         | 5500            | /  | /      | 1   | 17.927                       | /     | Pass    |
|                |         | 5580            | /  | /      | 1   | 17.951                       | /     | Pass    |
|                |         | 5700            | /  | /      | 1   | 17.926                       | /     | Pass    |
|                |         | 5745            | /  | /      | 1   | 17.959                       | /     | Pass    |
|                |         | 5785            | /  | /      | 1   | 17.889                       | /     | Pass    |
|                |         | 5825            | /  | /      | 1   | 17.933                       | /     | Pass    |
| 802.11n (HT40) | MIMO    | 5190            | /  | /      | 1   | 36.317                       | /     | Pass    |
|                |         | 5230            | /  | /      | 1   | 36.246                       | /     | Pass    |
|                |         | 5270            | /  | /      | 1   | 36.266                       | /     | Pass    |
|                |         | 5310            | /  | /      | 1   | 36.233                       | /     | Pass    |
|                |         | 5510            | /  | /      | 1   | 36.270                       | /     | Pass    |
|                |         | 5550            | /  | /      | 1   | 36.291                       | /     | Pass    |
|                |         | 5670            | /  | /      | 1   | 36.243                       | /     | Pass    |

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|                      |      |      |       |      |   |         |   |      |
|----------------------|------|------|-------|------|---|---------|---|------|
|                      |      | 5755 | /     | /    | 1 | 36.294  | / | Pass |
|                      |      | 5795 | /     | /    | 1 | 36.306  | / | Pass |
| 802.11ac<br>(VHT20)  | MIMO | 5180 | /     | /    | 1 | 17.974  | / | Pass |
|                      |      | 5200 | /     | /    | 1 | 17.929  | / | Pass |
|                      |      | 5240 | /     | /    | 1 | 17.944  | / | Pass |
|                      |      | 5260 | /     | /    | 1 | 17.957  | / | Pass |
|                      |      | 5300 | /     | /    | 1 | 17.962  | / | Pass |
|                      |      | 5320 | /     | /    | 1 | 17.941  | / | Pass |
|                      |      | 5500 | /     | /    | 1 | 17.950  | / | Pass |
|                      |      | 5580 | /     | /    | 1 | 17.941  | / | Pass |
|                      |      | 5700 | /     | /    | 1 | 17.886  | / | Pass |
|                      |      | 5745 | /     | /    | 1 | 17.904  | / | Pass |
|                      |      | 5785 | /     | /    | 1 | 17.906  | / | Pass |
|                      |      | 5825 | /     | /    | 1 | 17.908  | / | Pass |
| 802.11ac<br>(VHT40)  | MIMO | 5190 | /     | /    | 1 | 36.290  | / | Pass |
|                      |      | 5230 | /     | /    | 1 | 36.275  | / | Pass |
|                      |      | 5270 | /     | /    | 1 | 36.274  | / | Pass |
|                      |      | 5310 | /     | /    | 1 | 36.302  | / | Pass |
|                      |      | 5510 | /     | /    | 1 | 36.267  | / | Pass |
|                      |      | 5550 | /     | /    | 1 | 36.295  | / | Pass |
|                      |      | 5670 | /     | /    | 1 | 36.222  | / | Pass |
|                      |      | 5755 | /     | /    | 1 | 36.251  | / | Pass |
| 802.11ac<br>(VHT80)  | MIMO | 5795 | /     | /    | 1 | 36.296  | / | Pass |
|                      |      | 5210 | /     | /    | 1 | 75.815  | / | Pass |
|                      |      | 5290 | /     | /    | 1 | 75.822  | / | Pass |
|                      |      | 5530 | /     | /    | 1 | 75.879  | / | Pass |
|                      |      | 5610 | /     | /    | 1 | 75.899  | / | Pass |
| 802.11ac<br>(VHT160) | MIMO | 5775 | /     | /    | 1 | 76.023  | / | Pass |
|                      |      | 5570 | /     | /    | 1 | 155.148 | / | Pass |
| 802.11ax<br>(HEW20)  | MIMO | 5250 | /     | /    | 1 | 155.435 | / | Pass |
|                      |      | 5180 | RU242 | Left | 1 | 19.086  | / | Pass |
|                      |      | 5200 | RU242 | Left | 1 | 19.077  | / | Pass |
|                      |      | 5240 | RU242 | Left | 1 | 19.089  | / | Pass |
|                      |      | 5260 | RU242 | Left | 1 | 19.096  | / | Pass |
|                      |      | 5300 | RU242 | Left | 1 | 19.085  | / | Pass |
|                      |      | 5320 | RU242 | Left | 1 | 19.115  | / | Pass |
|                      |      | 5500 | RU242 | Left | 1 | 19.100  | / | Pass |
|                      |      | 5580 | RU242 | Left | 1 | 19.086  | / | Pass |
|                      |      | 5700 | RU242 | Left | 1 | 19.099  | / | Pass |
|                      |      | 5745 | RU242 | Left | 1 | 19.073  | / | Pass |



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|                      |      |      |         |      |   |         |   |      |
|----------------------|------|------|---------|------|---|---------|---|------|
|                      |      | 5785 | RU242   | Left | 1 | 19.091  | / | Pass |
|                      |      | 5825 | RU242   | Left | 1 | 19.070  | / | Pass |
| 802.11ax<br>(HEW40)  | MIMO | 5190 | RU484   | Left | 1 | 38.001  | / | Pass |
|                      |      | 5230 | RU484   | Left | 1 | 38.010  | / | Pass |
|                      |      | 5270 | RU484   | Left | 1 | 38.084  | / | Pass |
|                      |      | 5310 | RU484   | Left | 1 | 38.057  | / | Pass |
|                      |      | 5510 | RU484   | Left | 1 | 38.068  | / | Pass |
|                      |      | 5550 | RU484   | Left | 1 | 37.929  | / | Pass |
|                      |      | 5670 | RU484   | Left | 1 | 37.955  | / | Pass |
|                      |      | 5755 | RU484   | Left | 1 | 37.967  | / | Pass |
|                      |      | 5795 | RU484   | Left | 1 | 37.968  | / | Pass |
| 802.11ax<br>(HEW80)  | MIMO | 5210 | RU996   | Left | 1 | 77.616  | / | Pass |
|                      |      | 5290 | RU996   | Left | 1 | 77.850  | / | Pass |
|                      |      | 5530 | RU996   | Left | 1 | 77.622  | / | Pass |
|                      |      | 5610 | RU996   | Left | 1 | 77.729  | / | Pass |
|                      |      | 5775 | RU996   | Left | 1 | 77.726  | / | Pass |
| 802.11ax<br>(HEW160) | MIMO | 5570 | 2xRU996 | Left | 1 | 156.464 | / | Pass |
|                      |      | 5250 | 2xRU996 | Left | 1 | 156.709 | / | Pass |



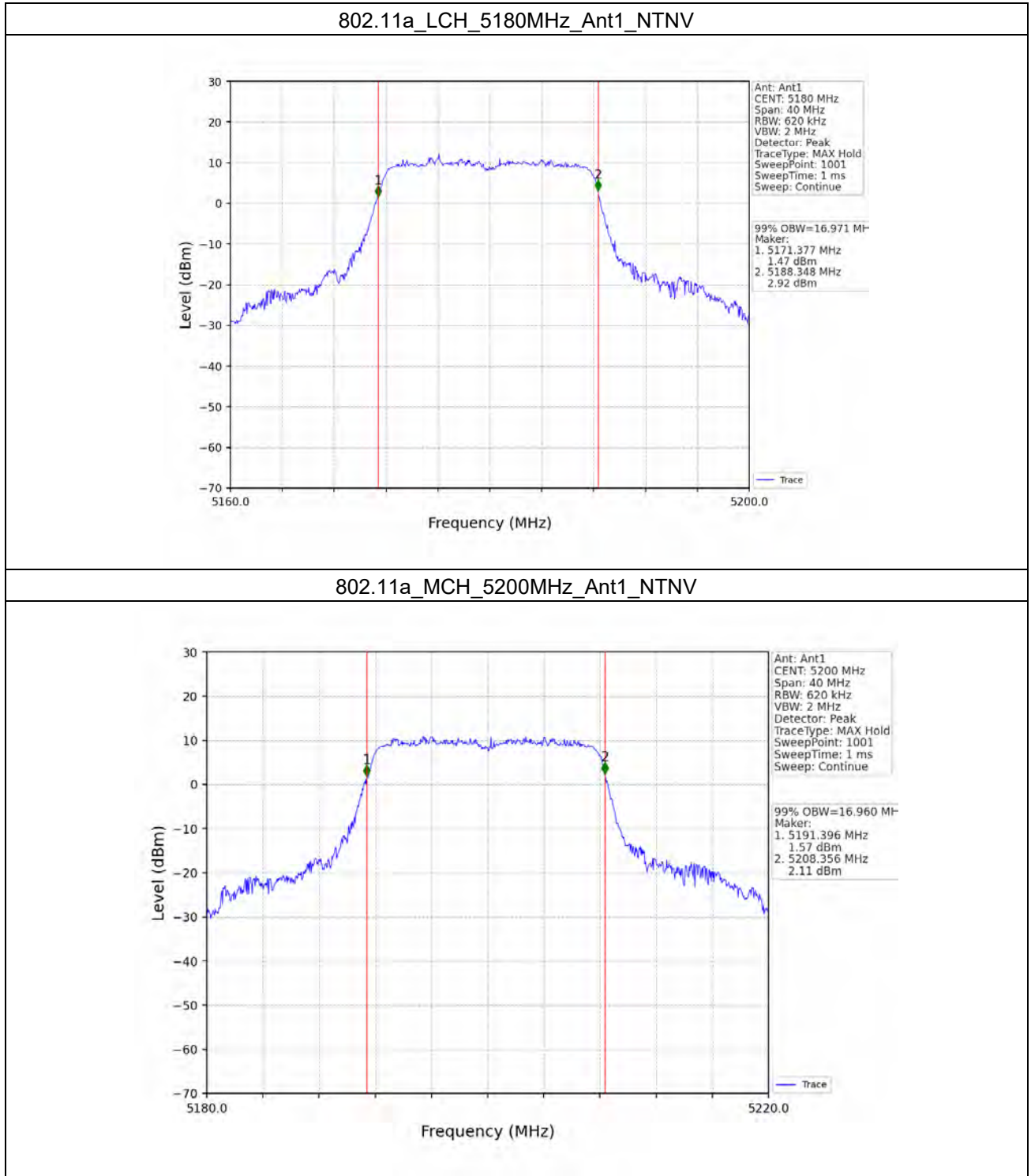
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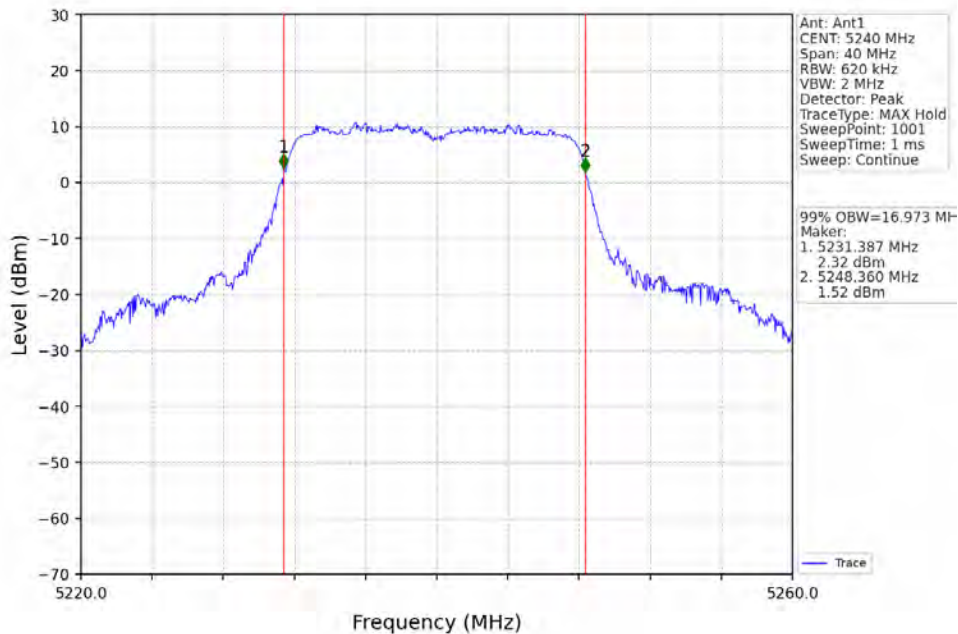
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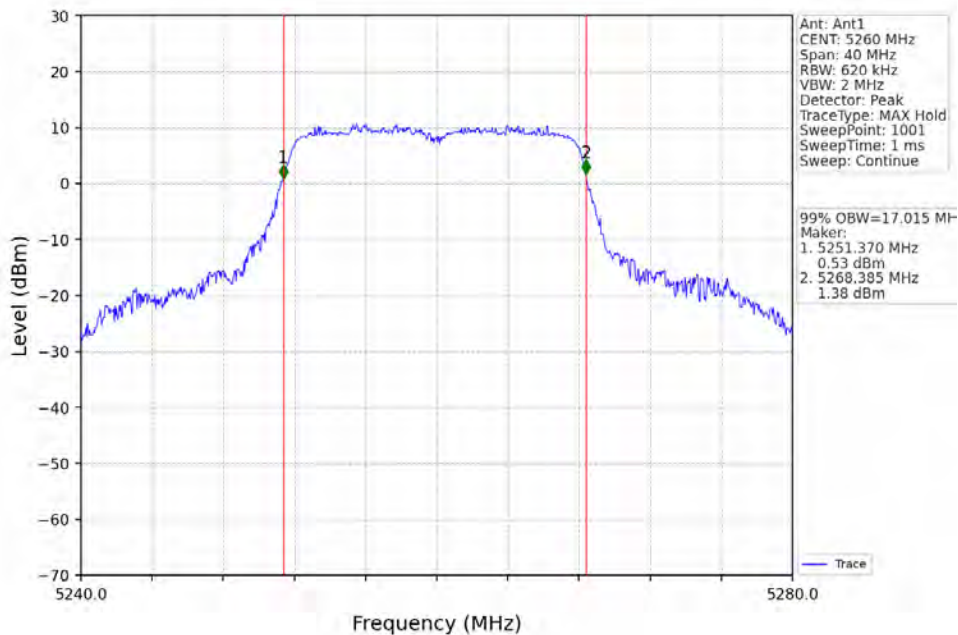
### 2.1.2 Test Graph



802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant1\_NTNV



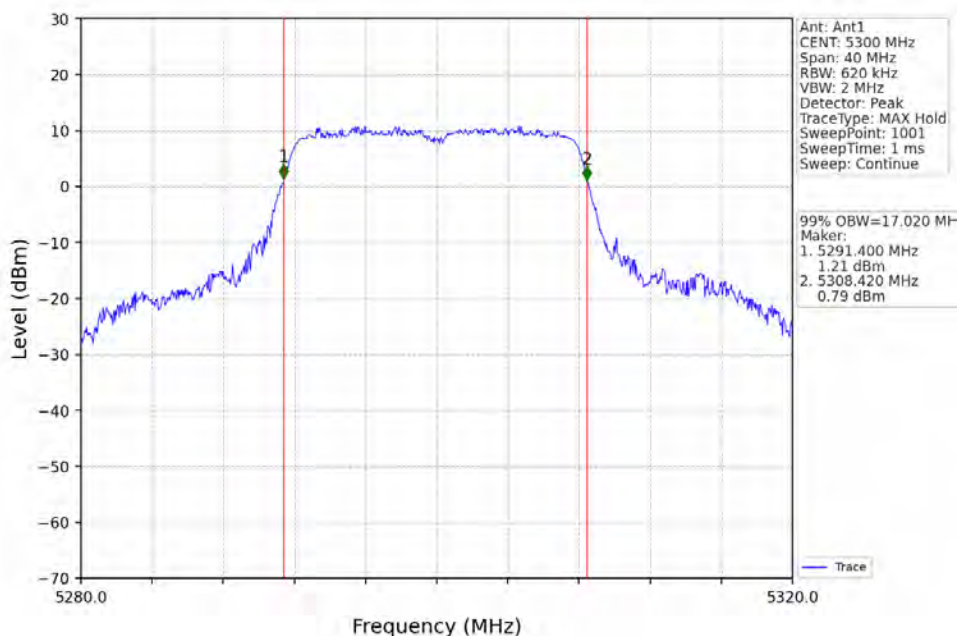
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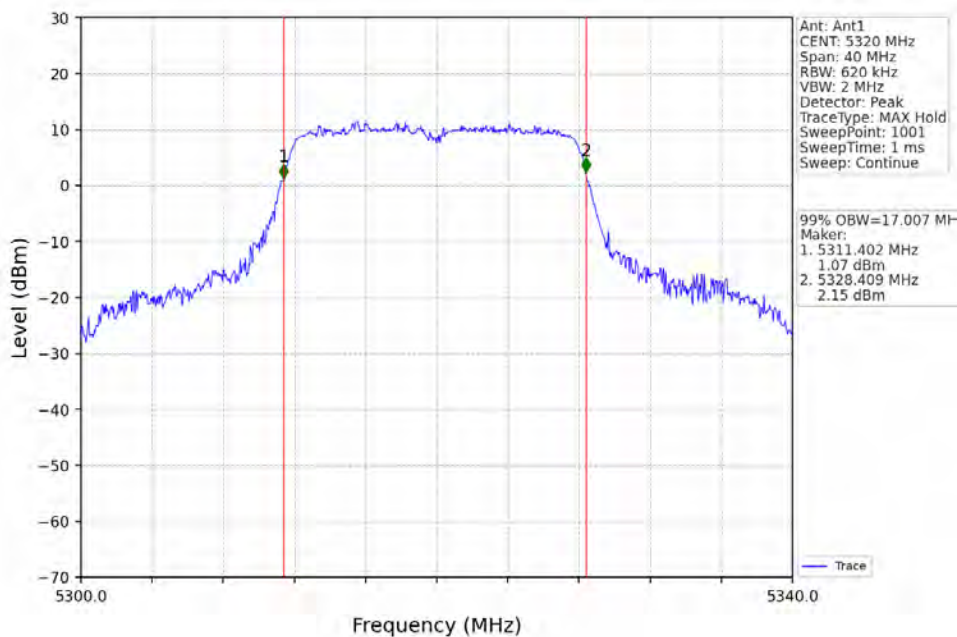
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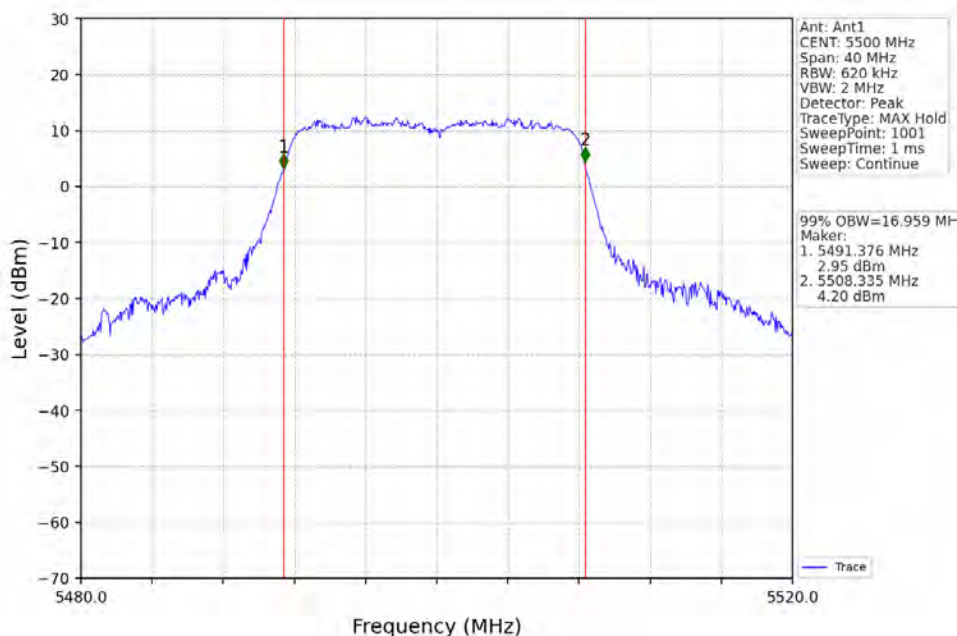
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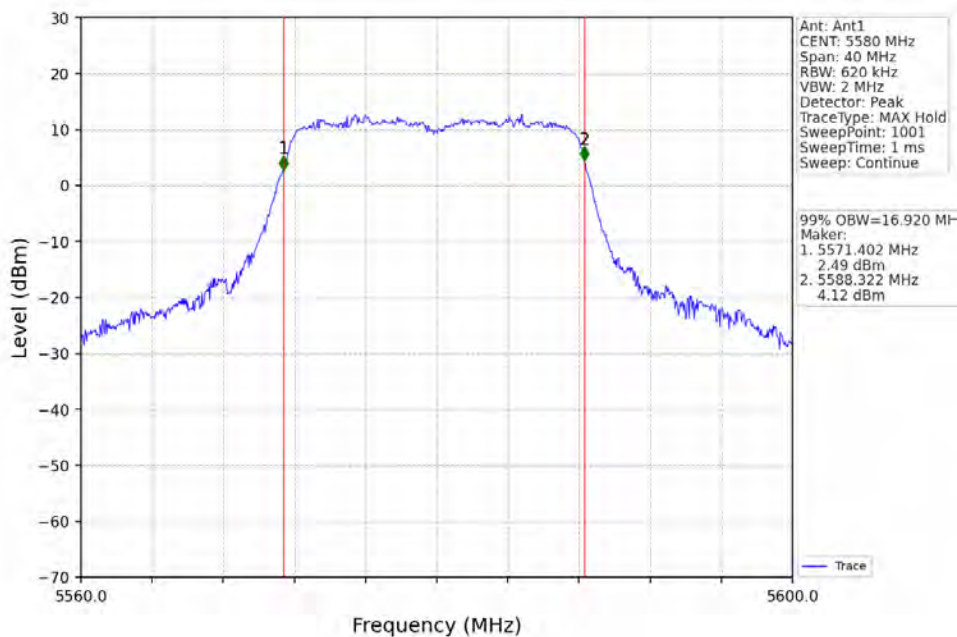
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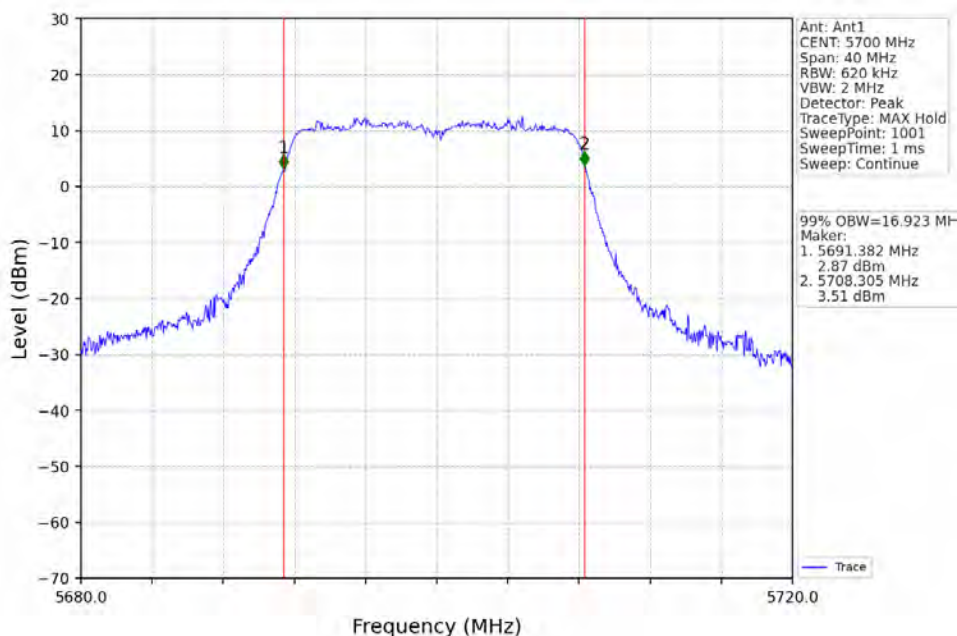
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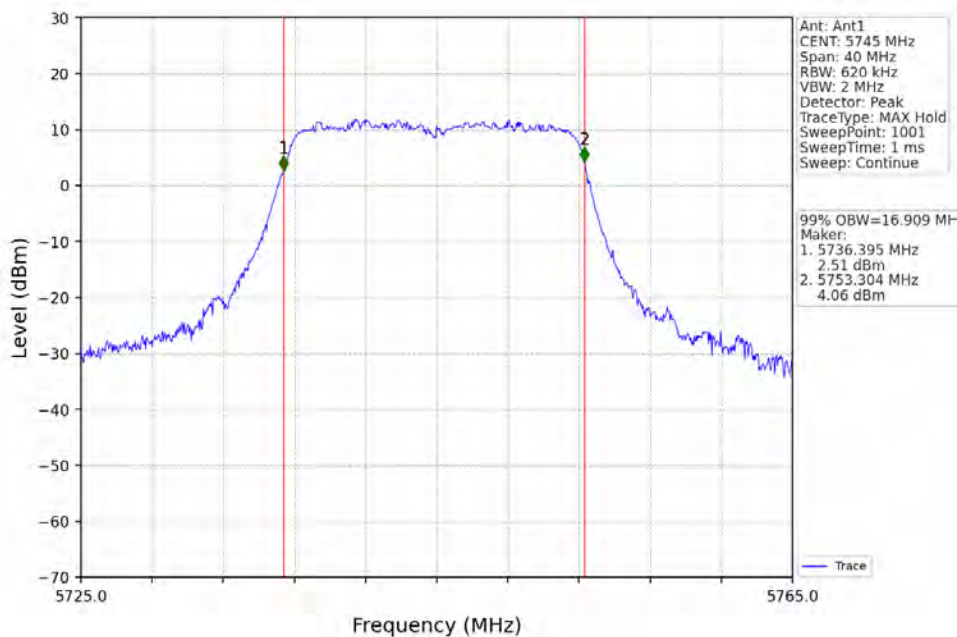
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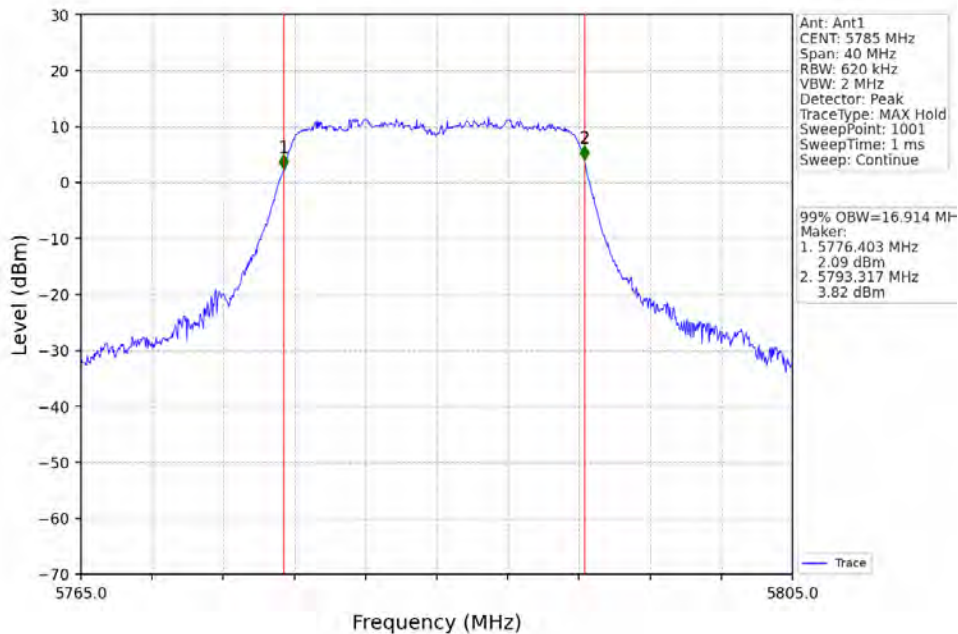
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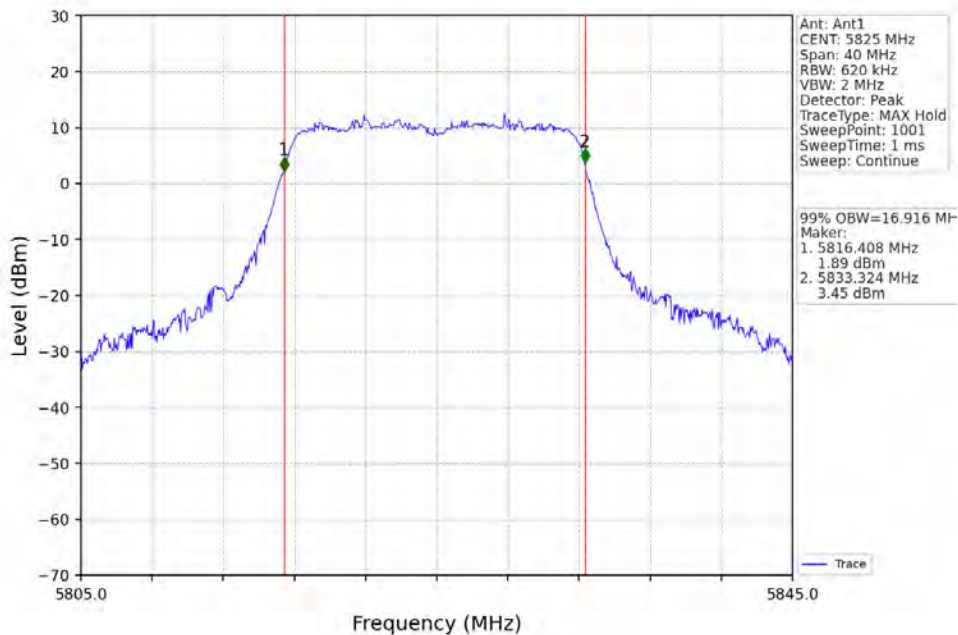
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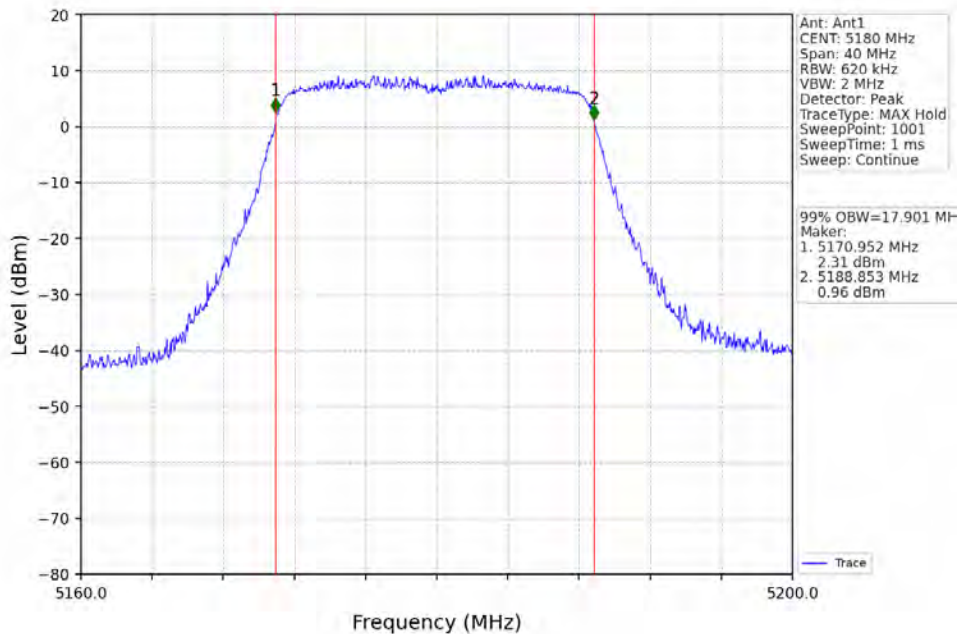
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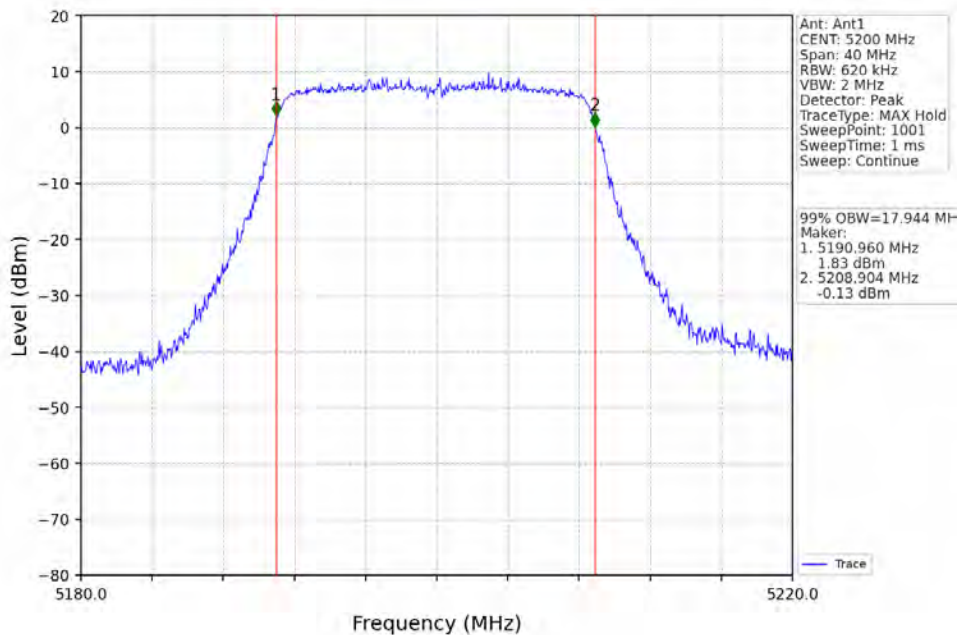
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



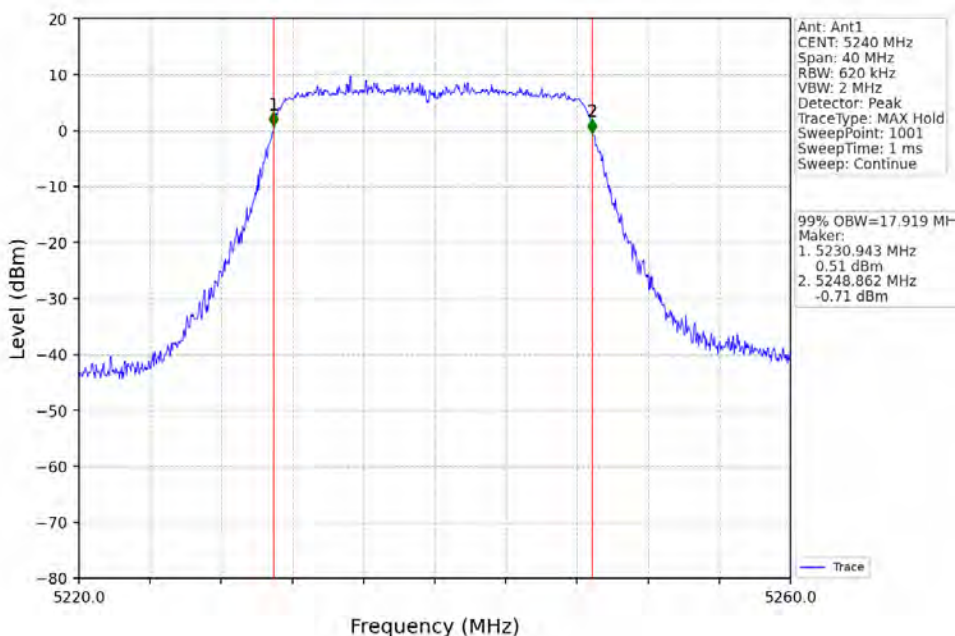
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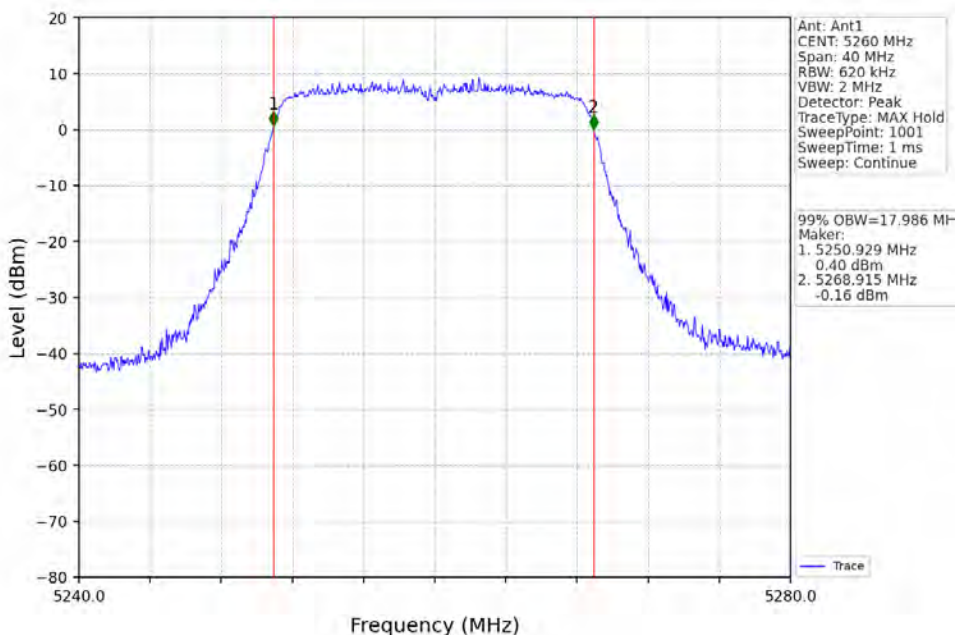
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



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



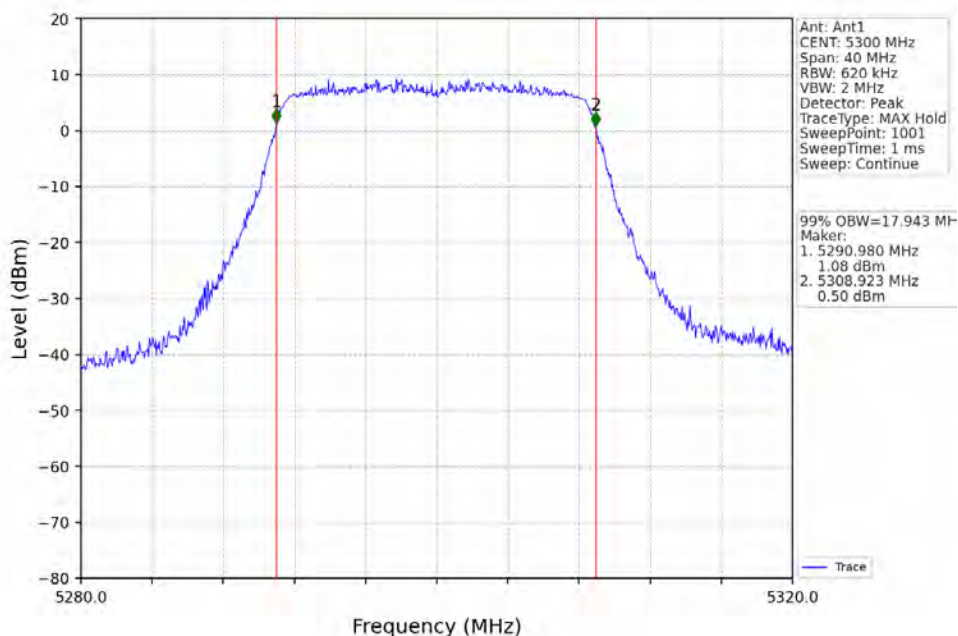
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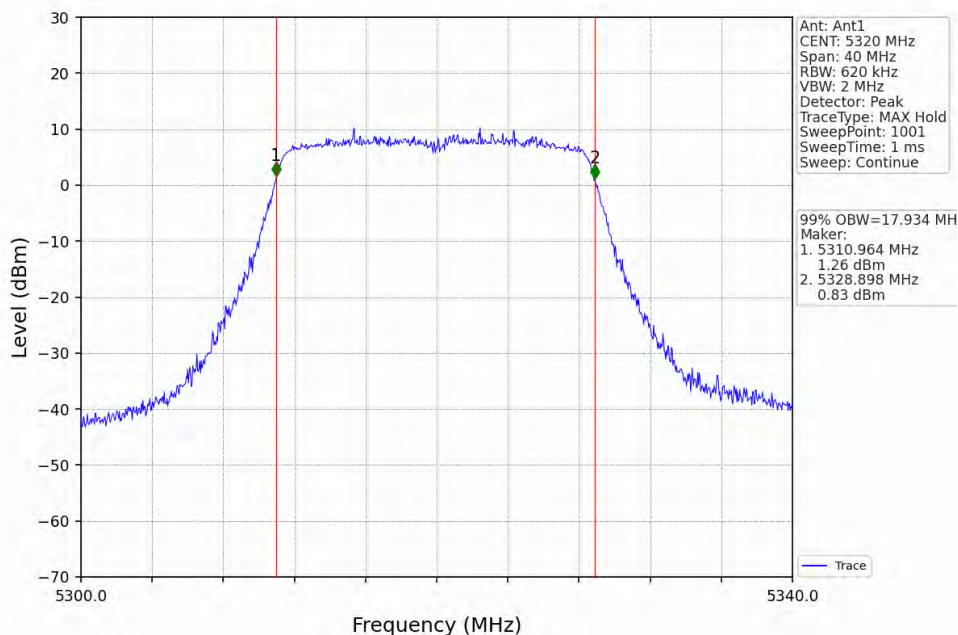
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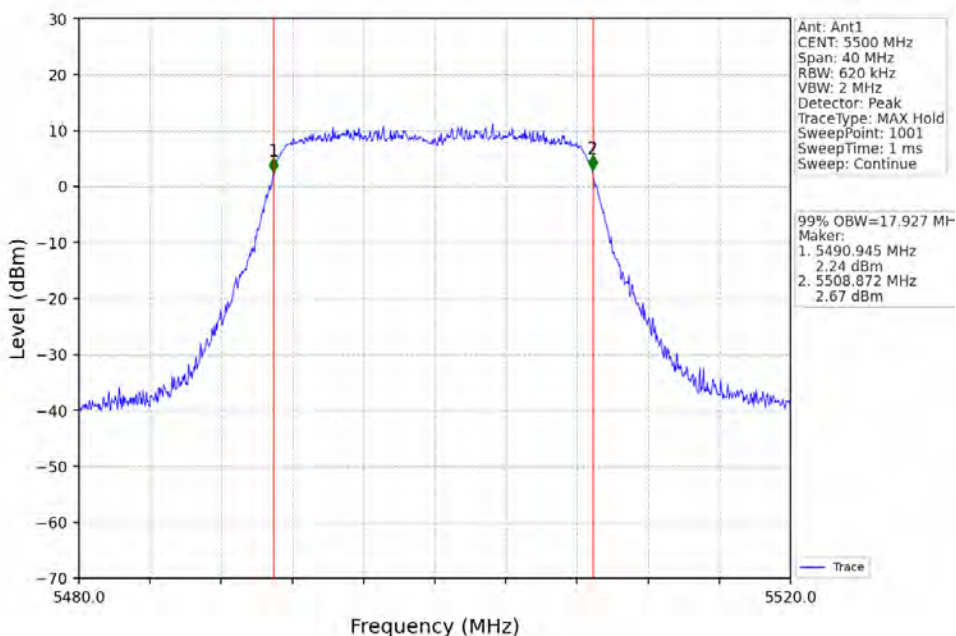
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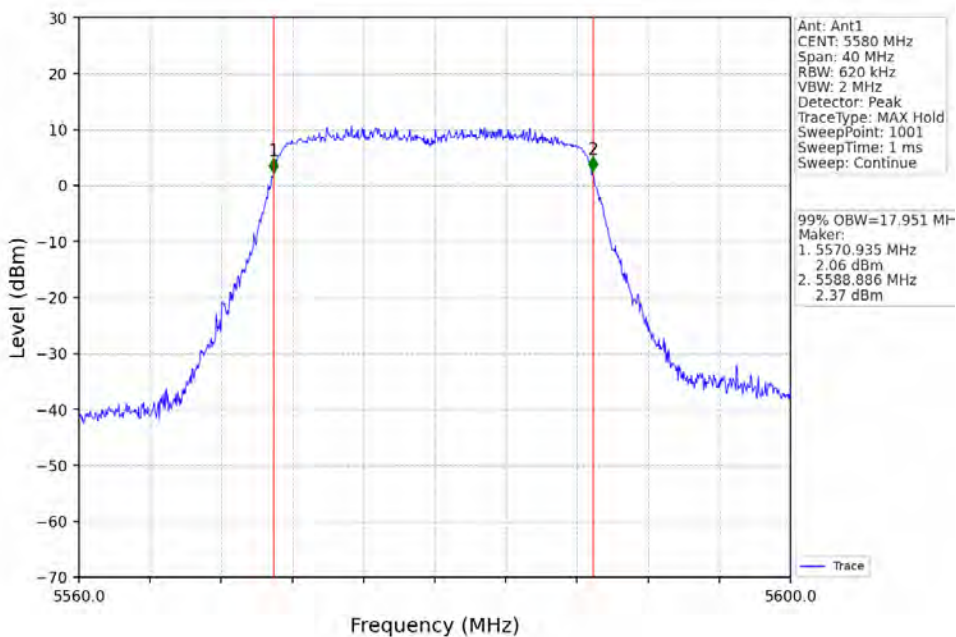
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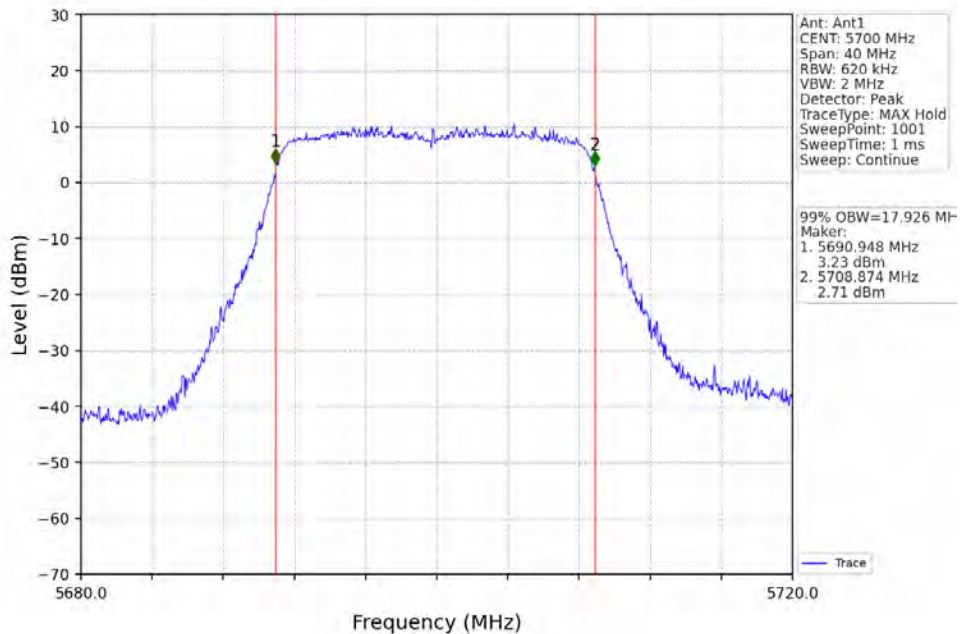
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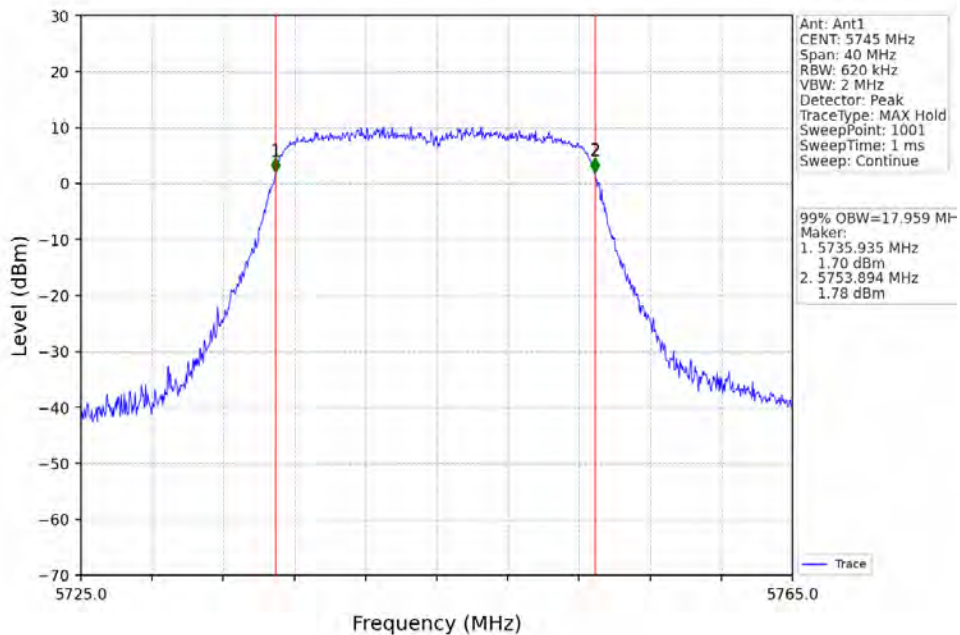
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



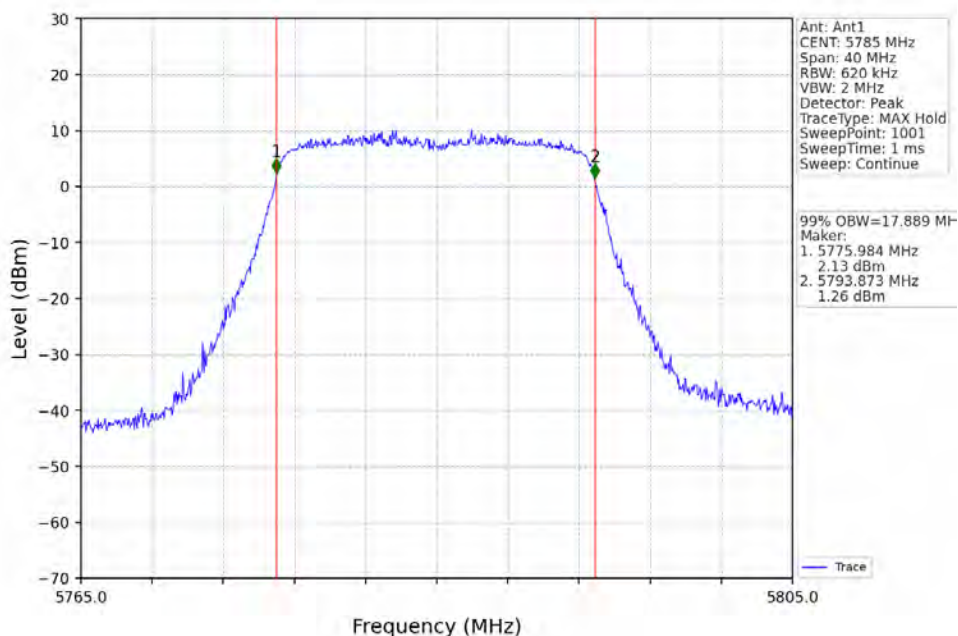
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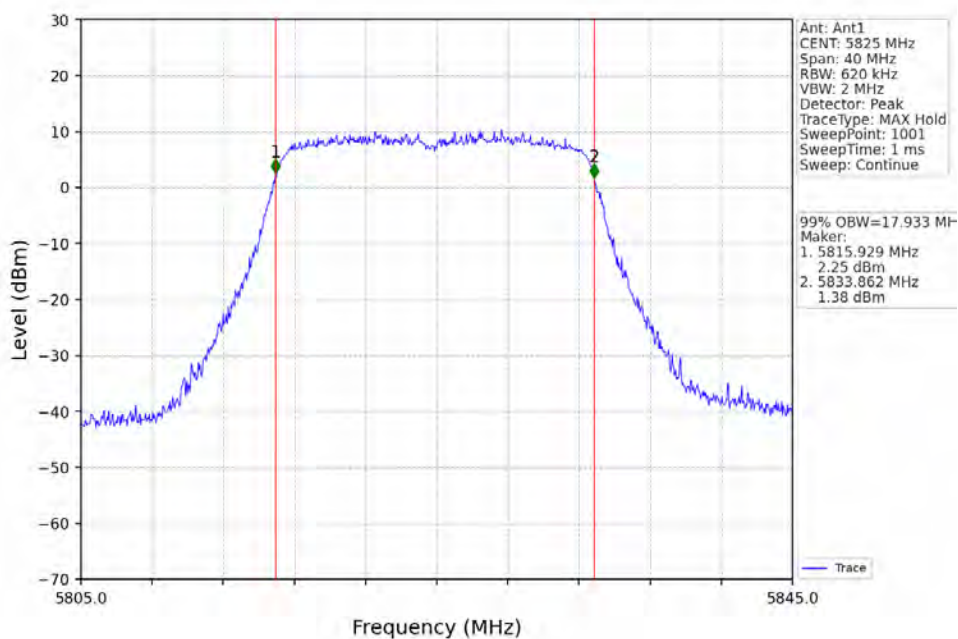
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



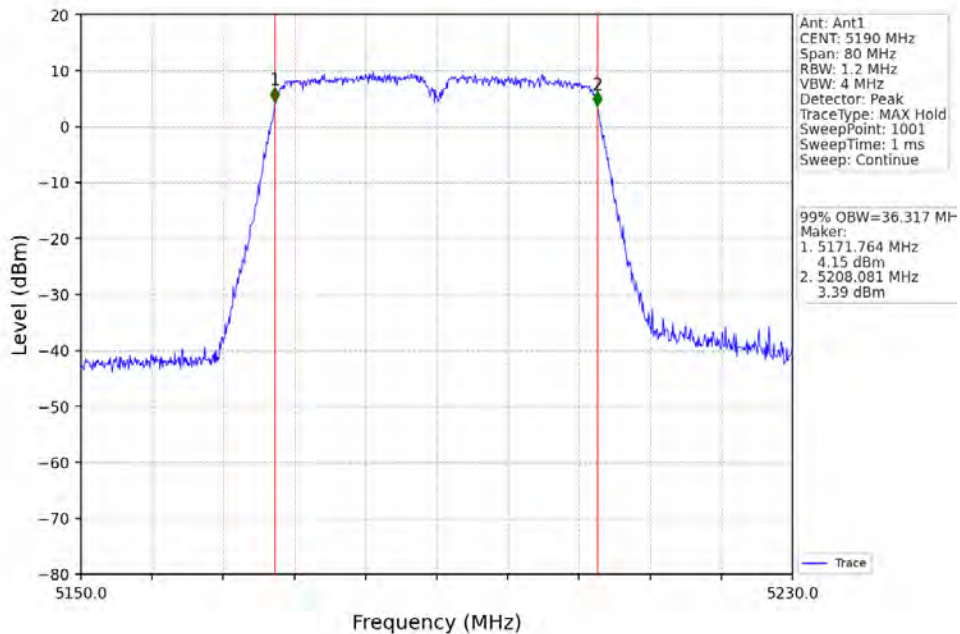
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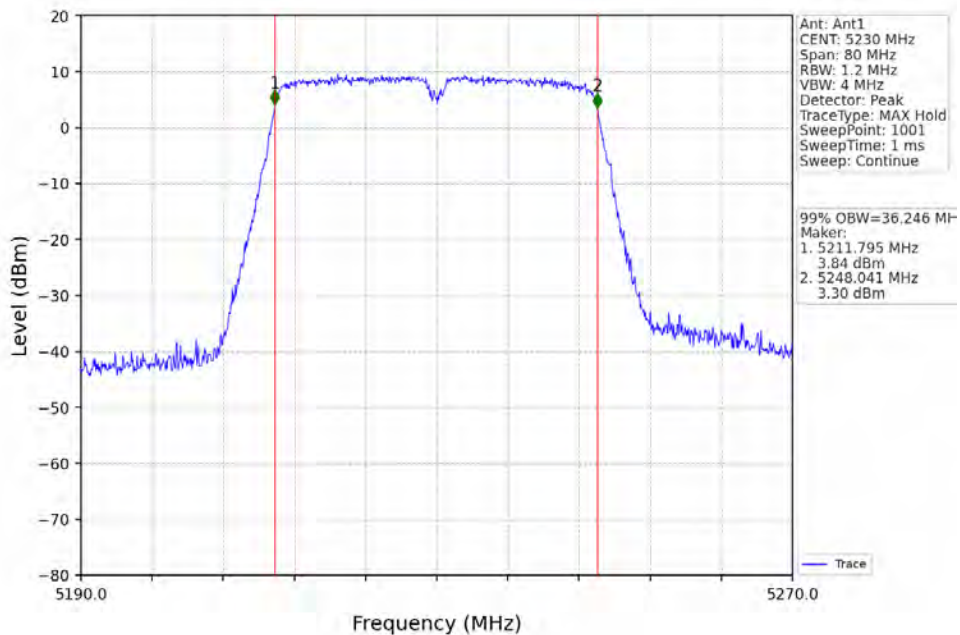
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



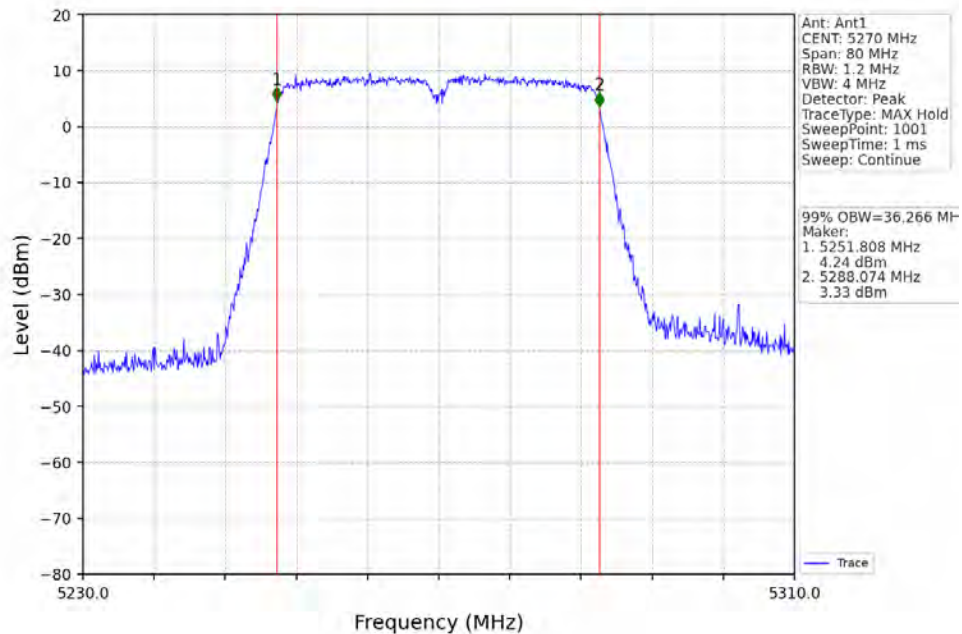
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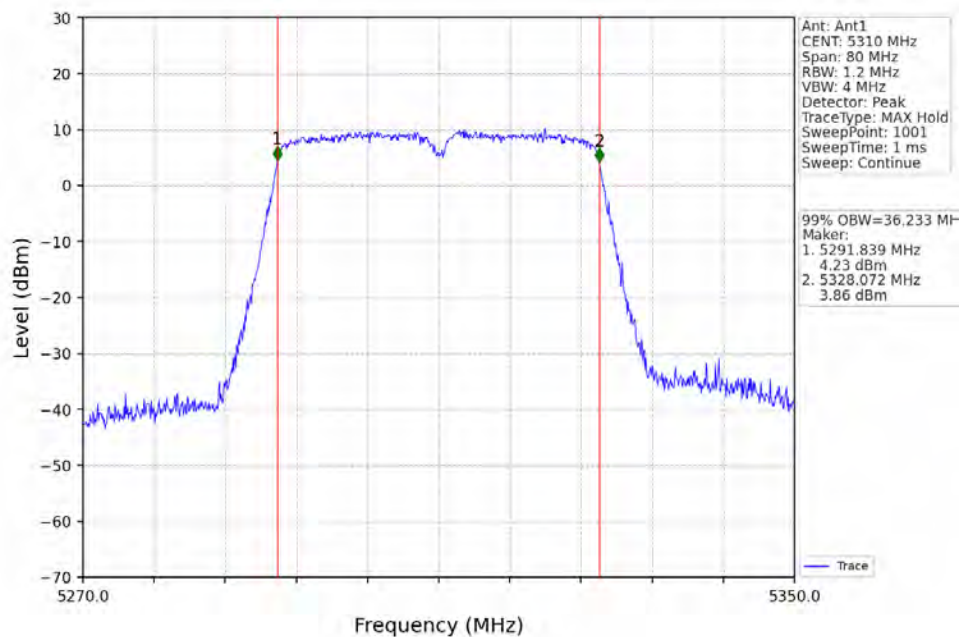
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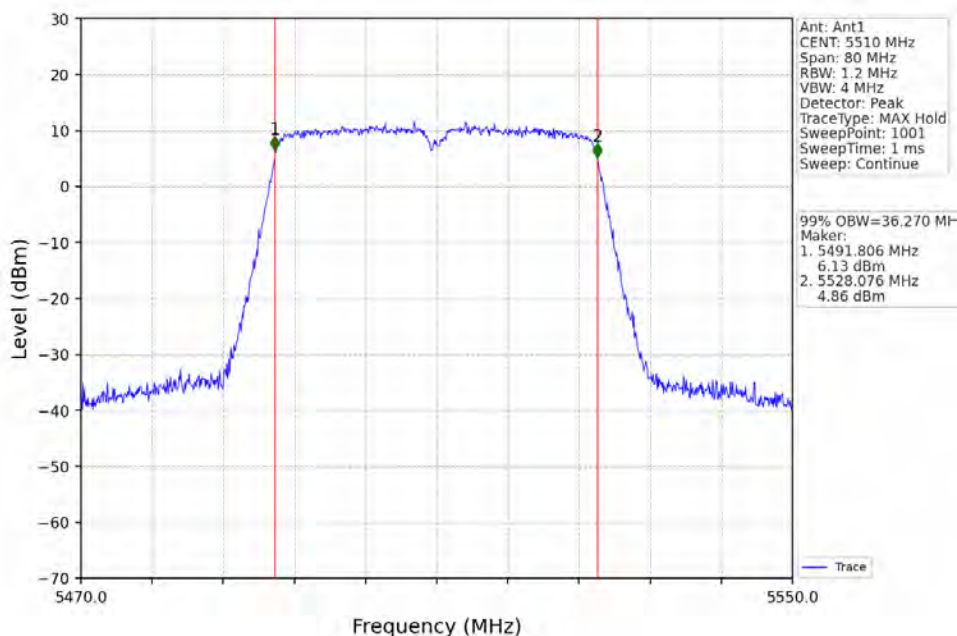
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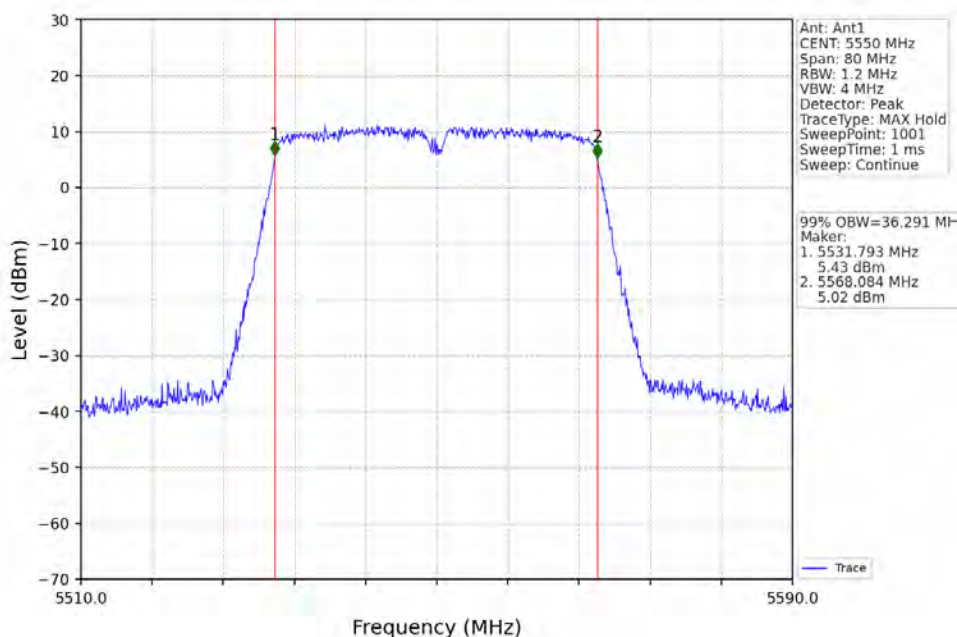
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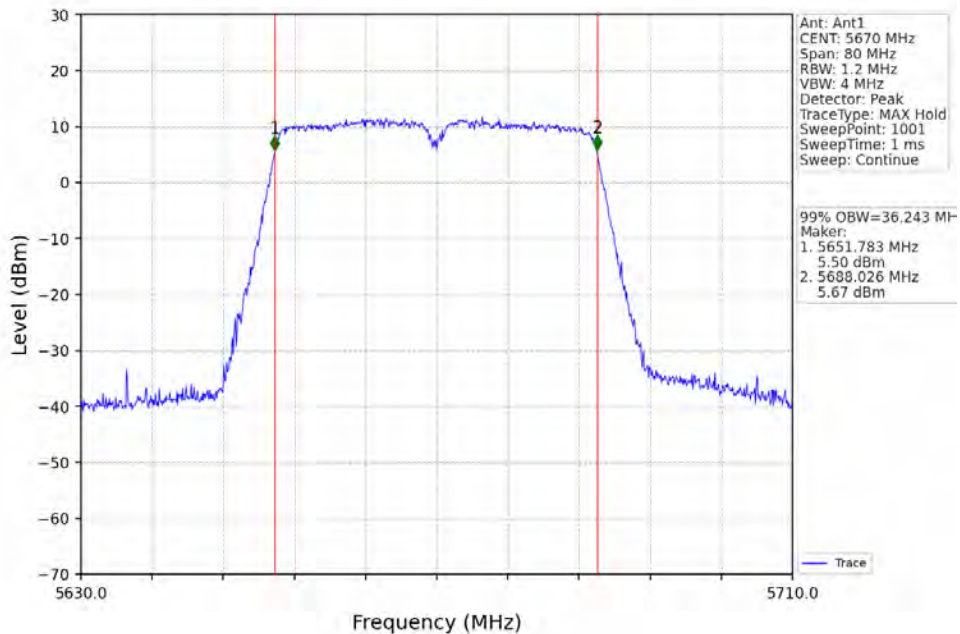
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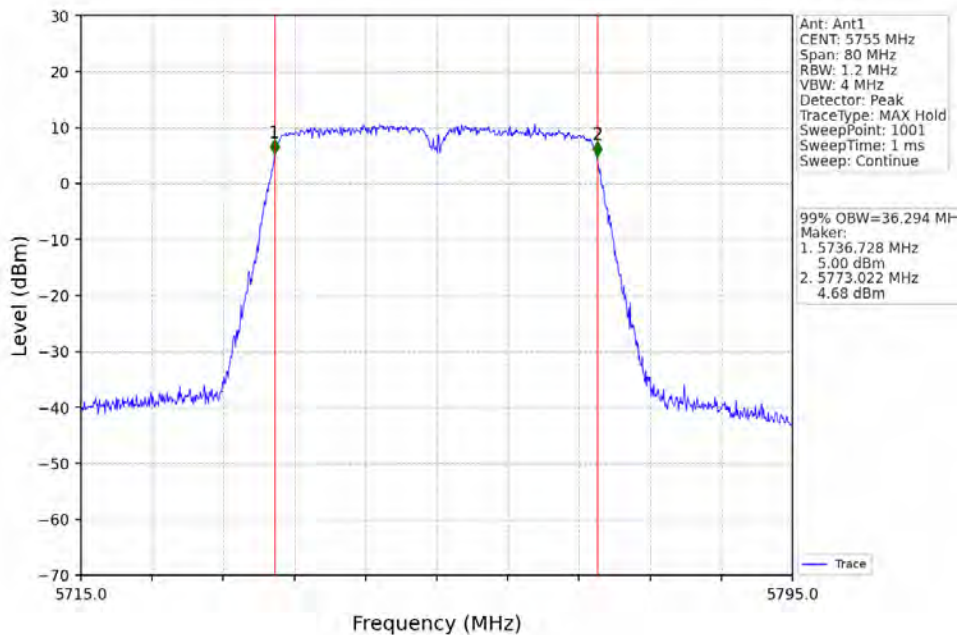
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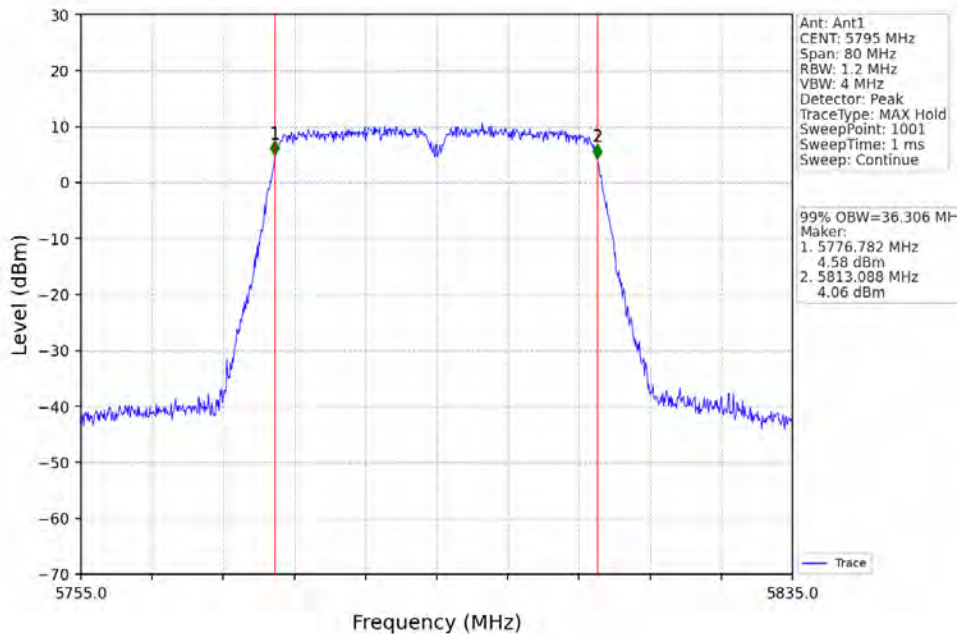
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



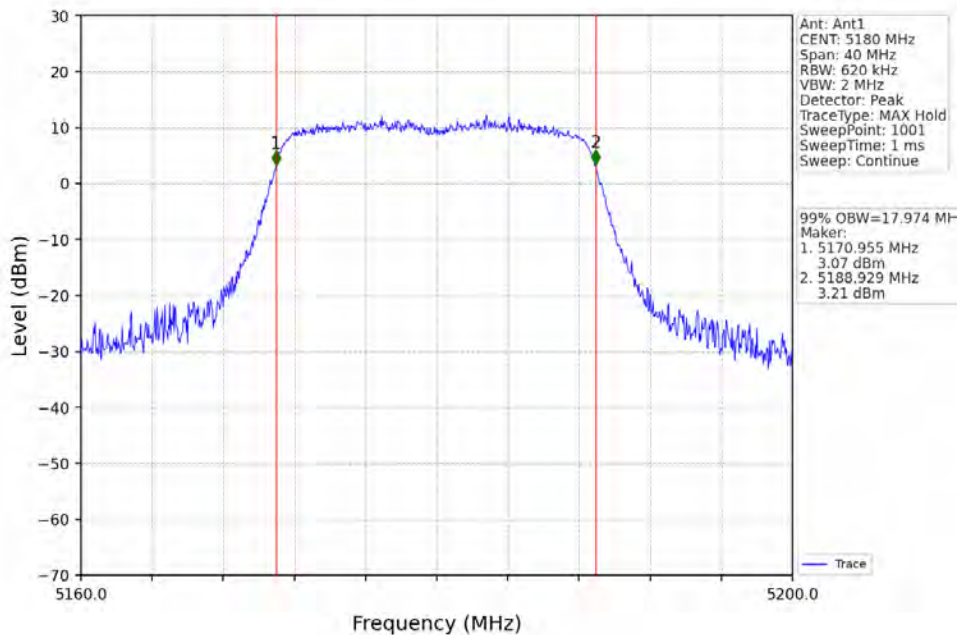
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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



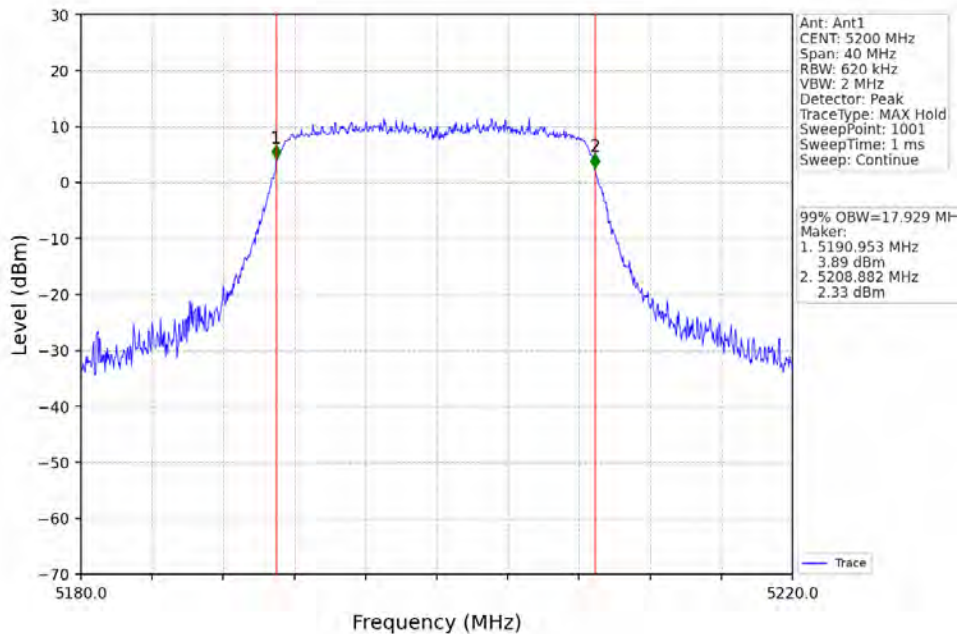
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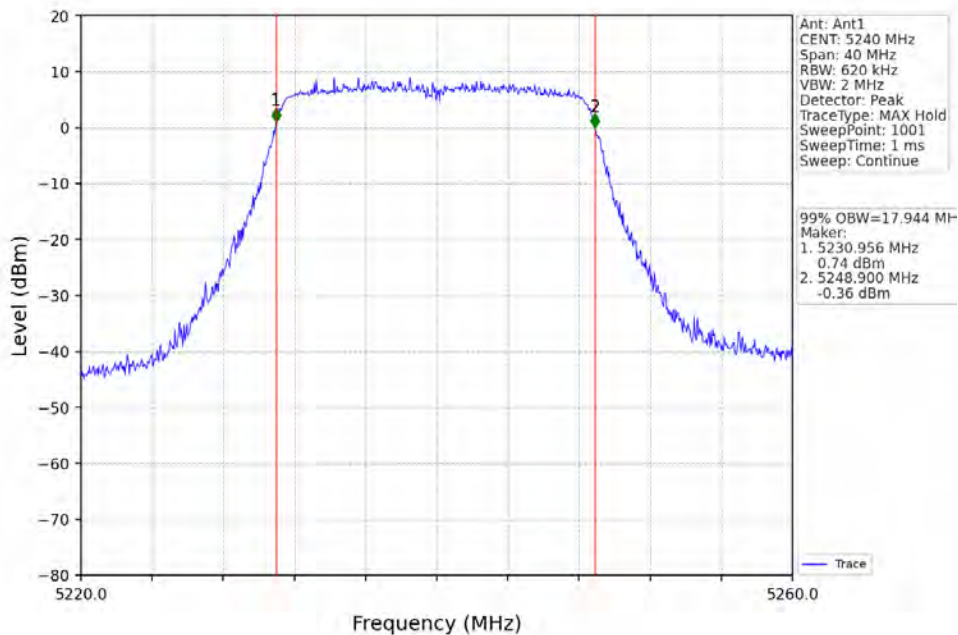
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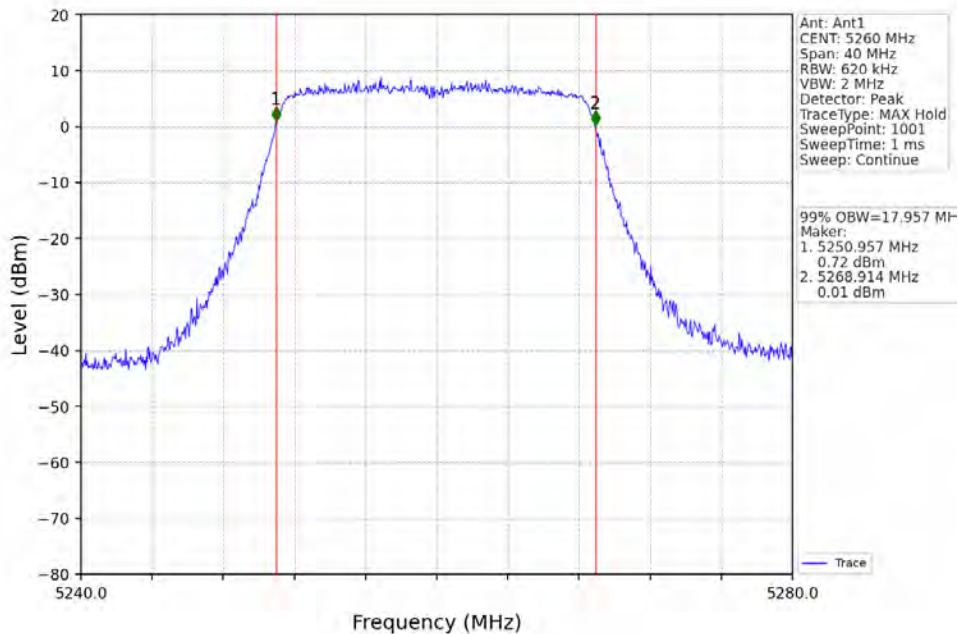
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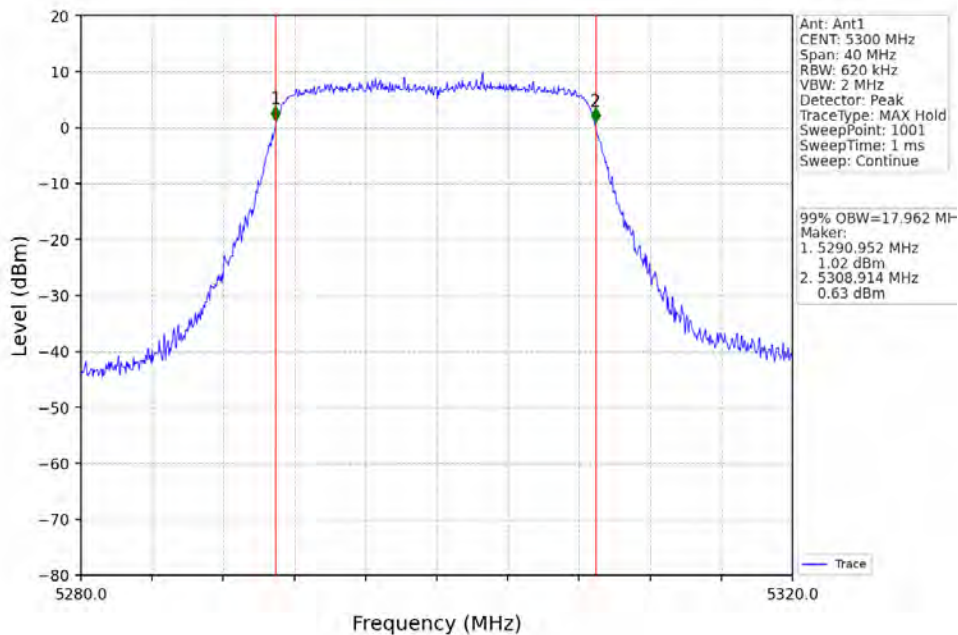
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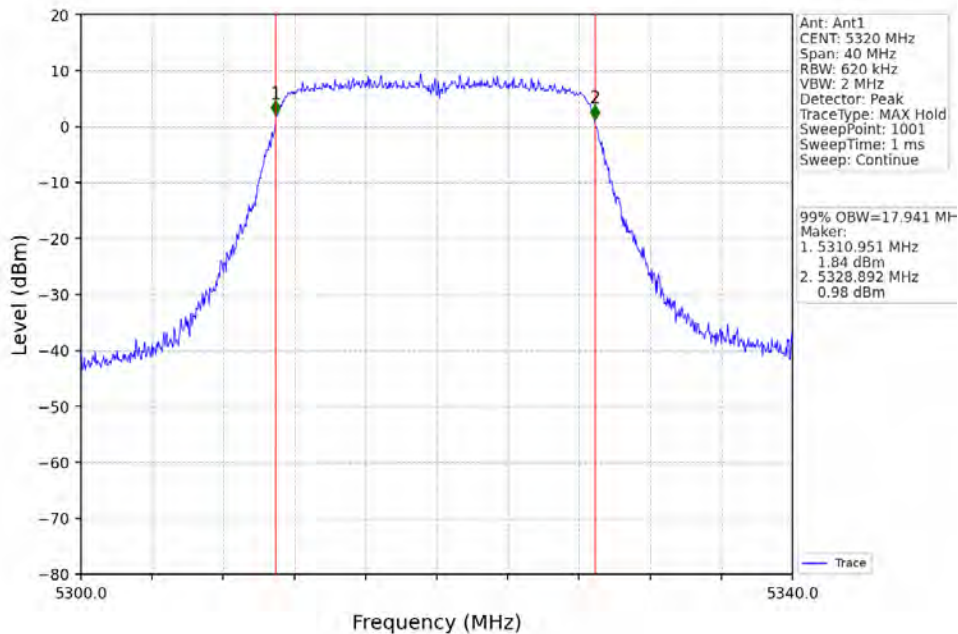
802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV



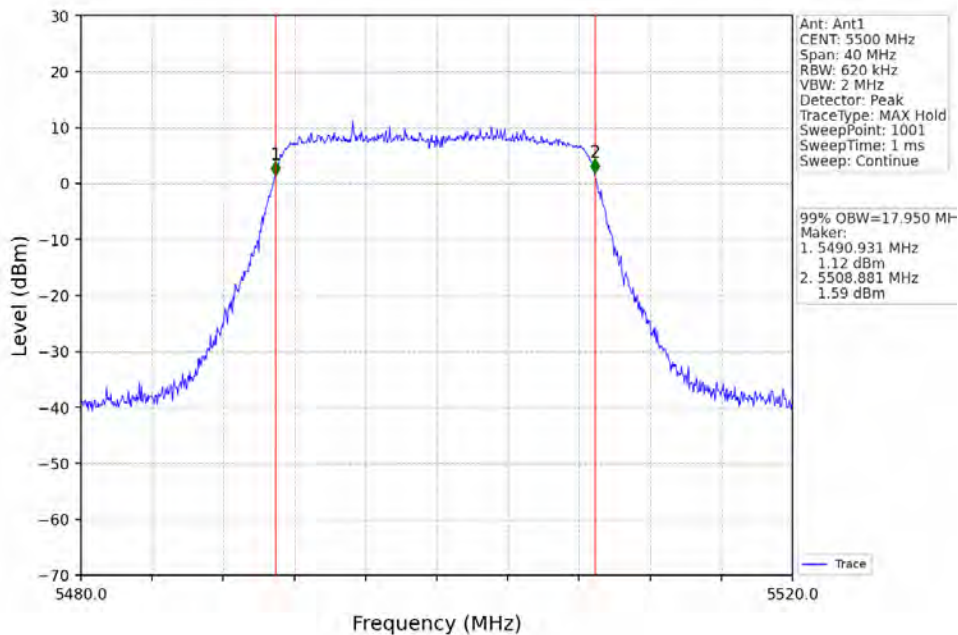
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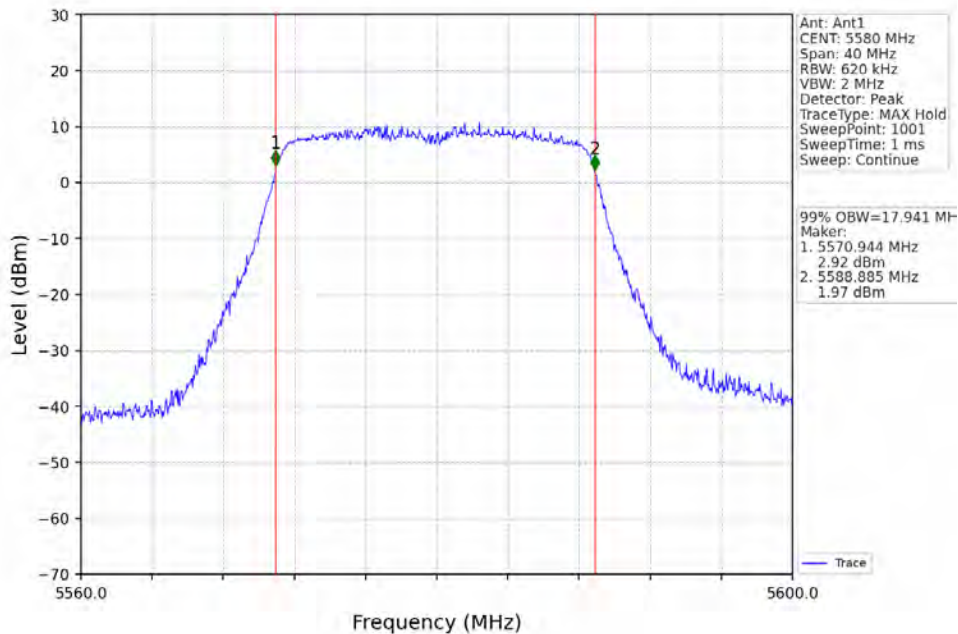
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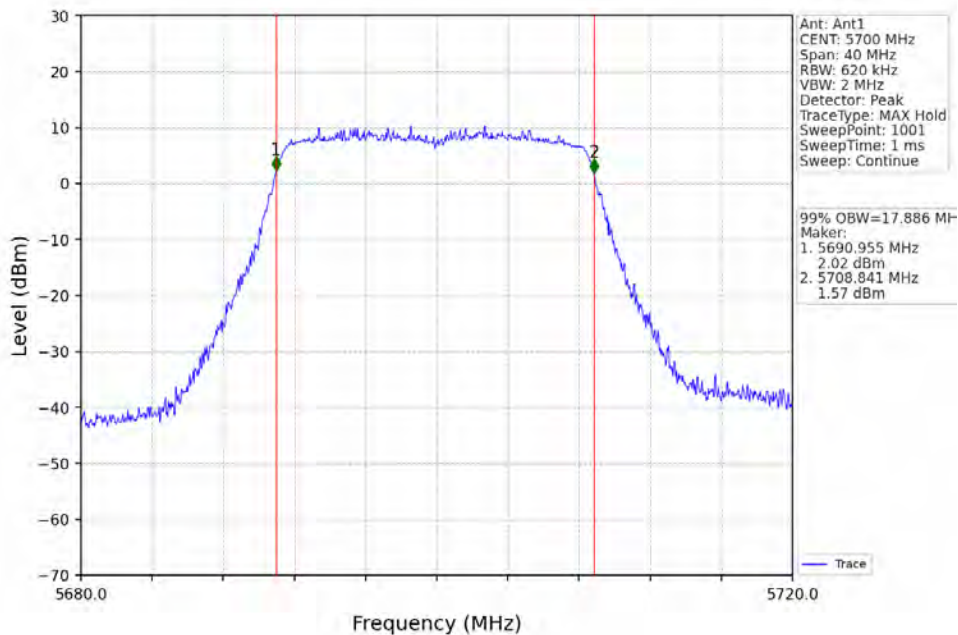
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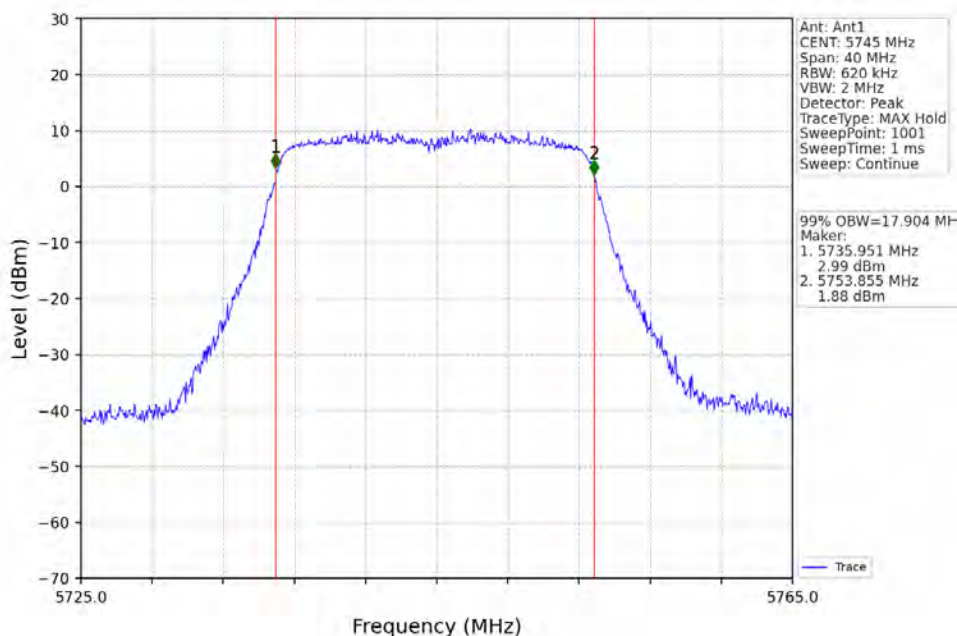
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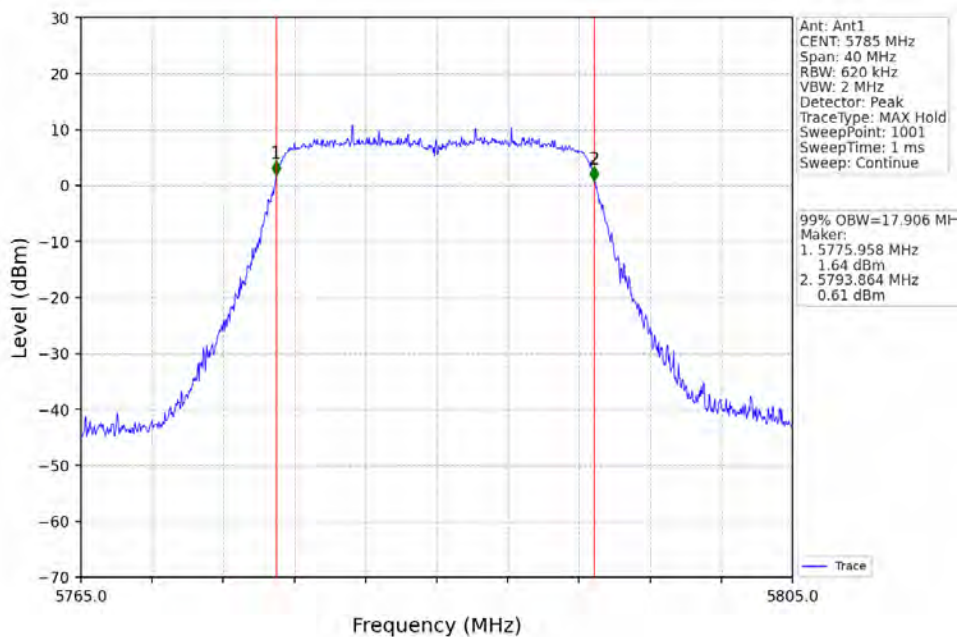
802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



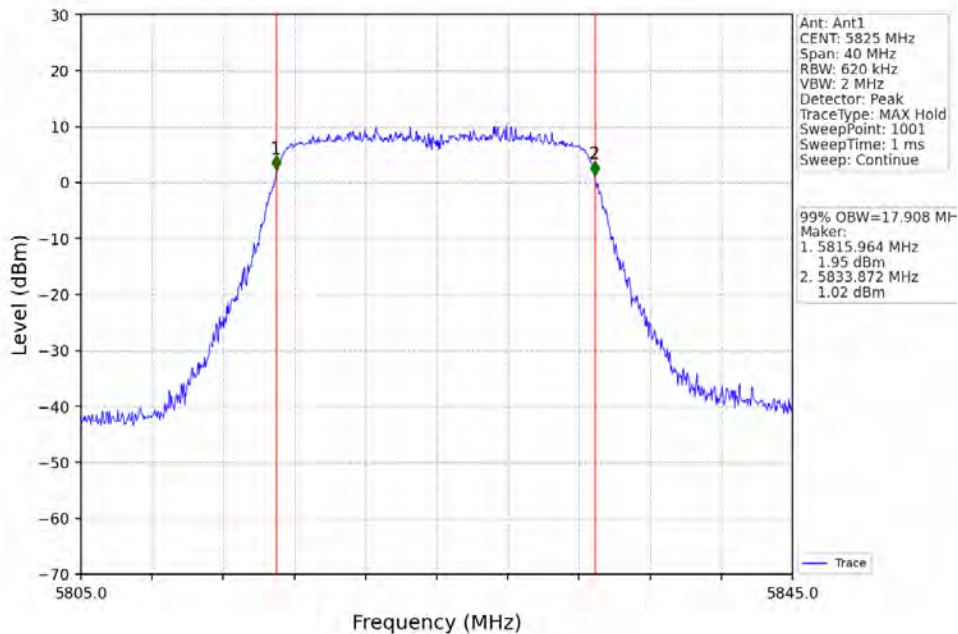
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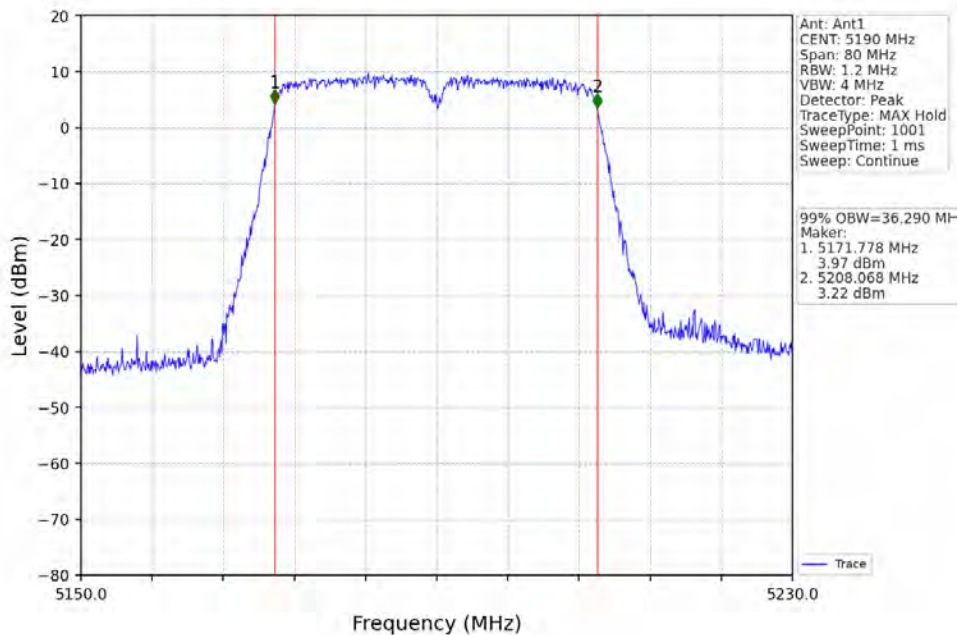
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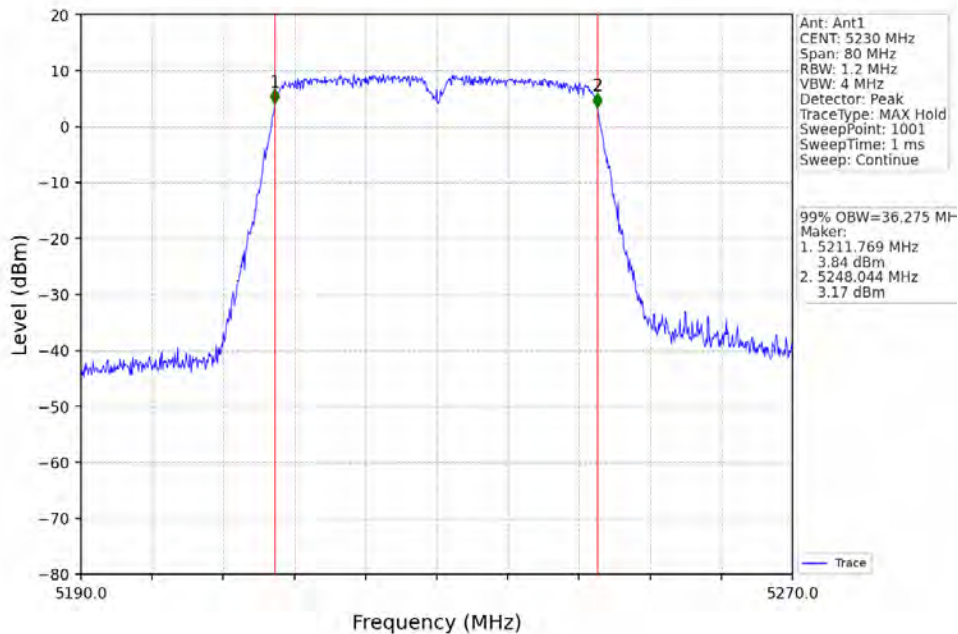
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



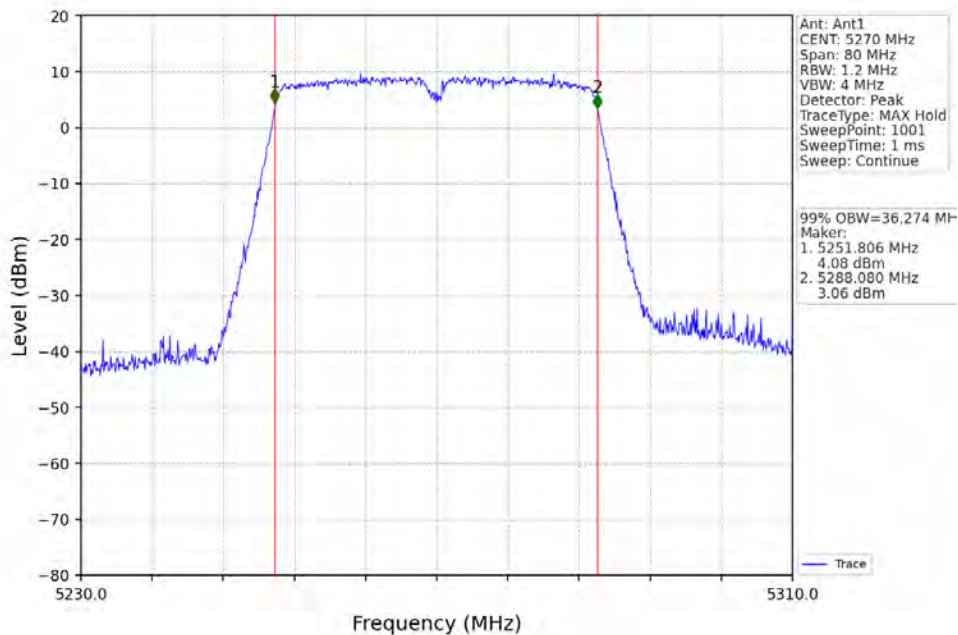
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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



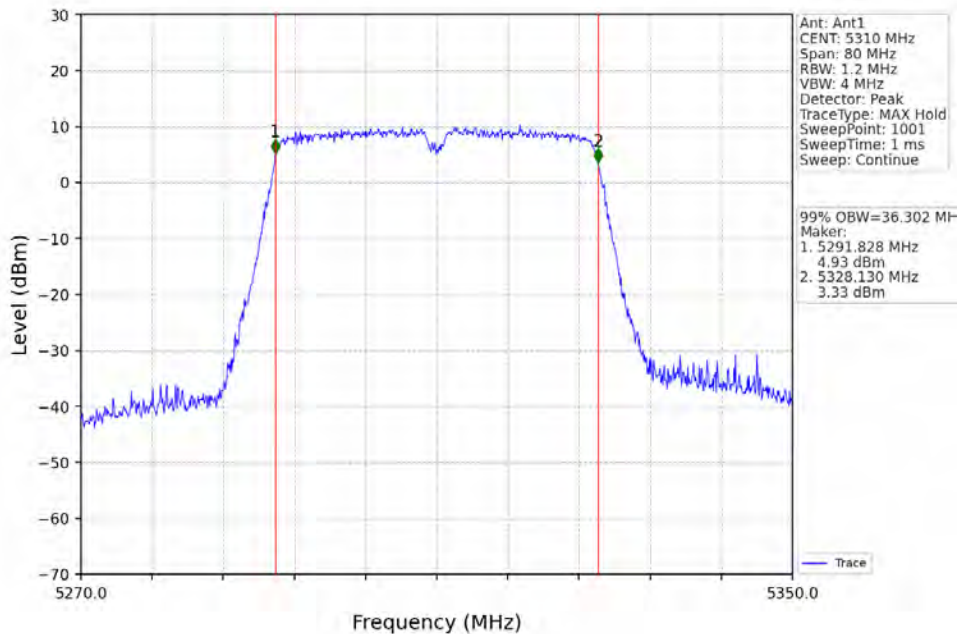
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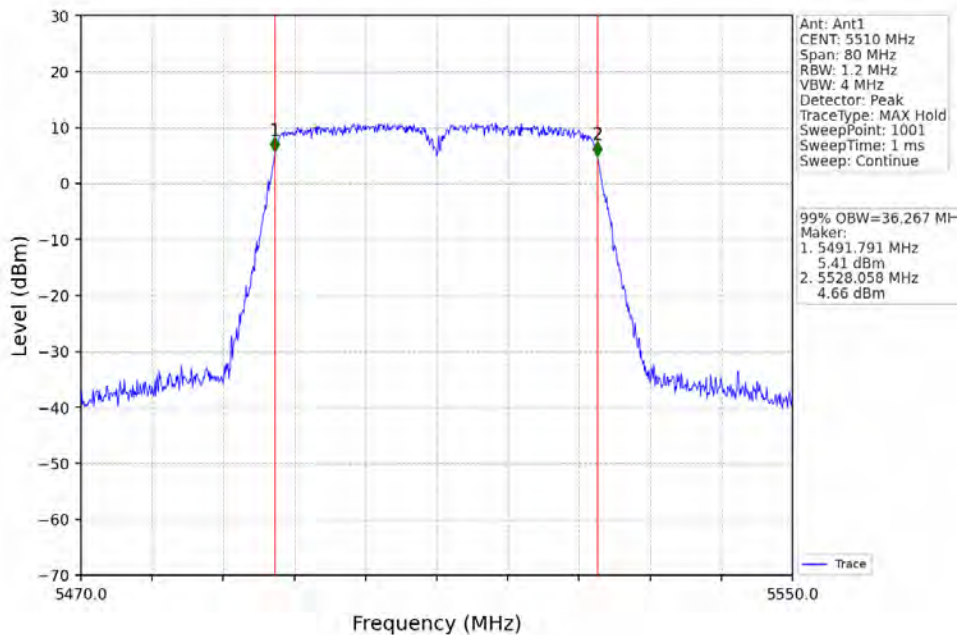
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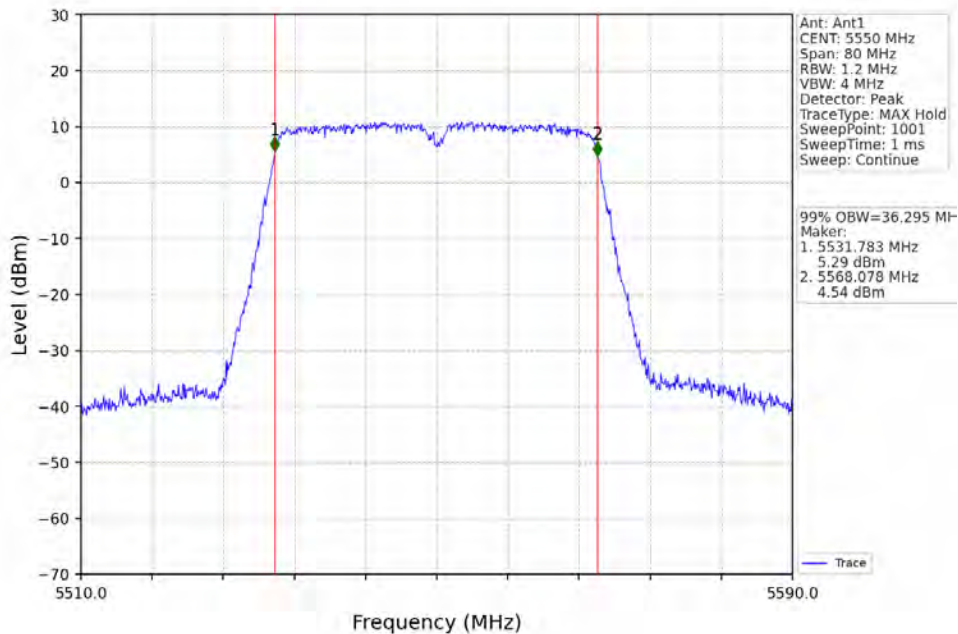
802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



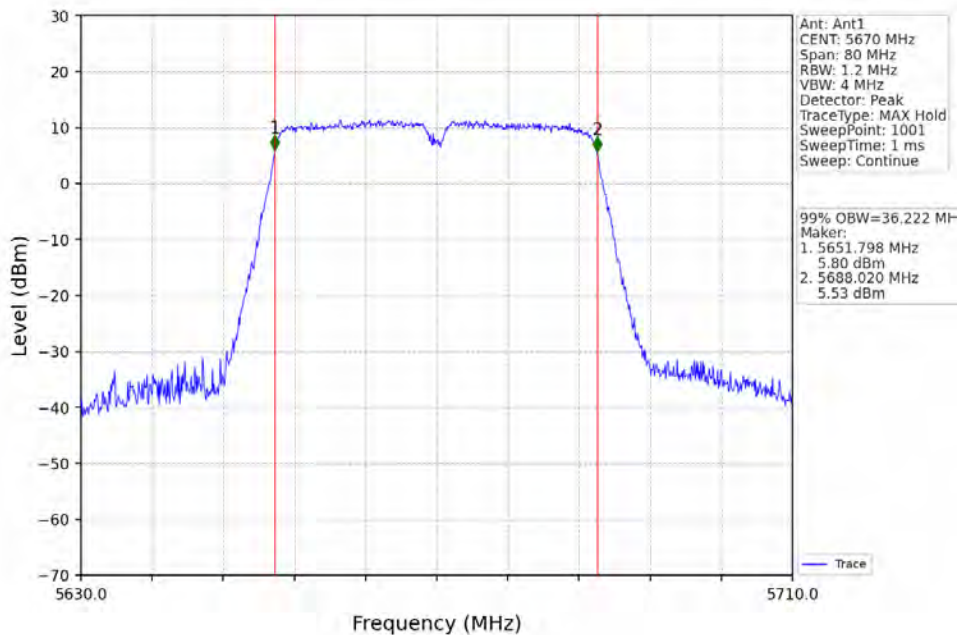
802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



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



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



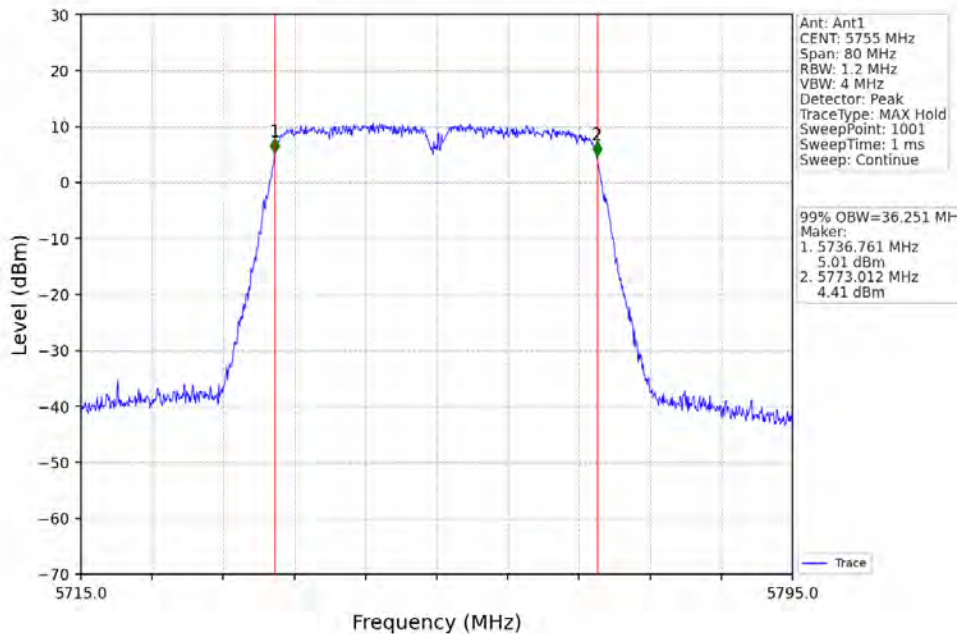
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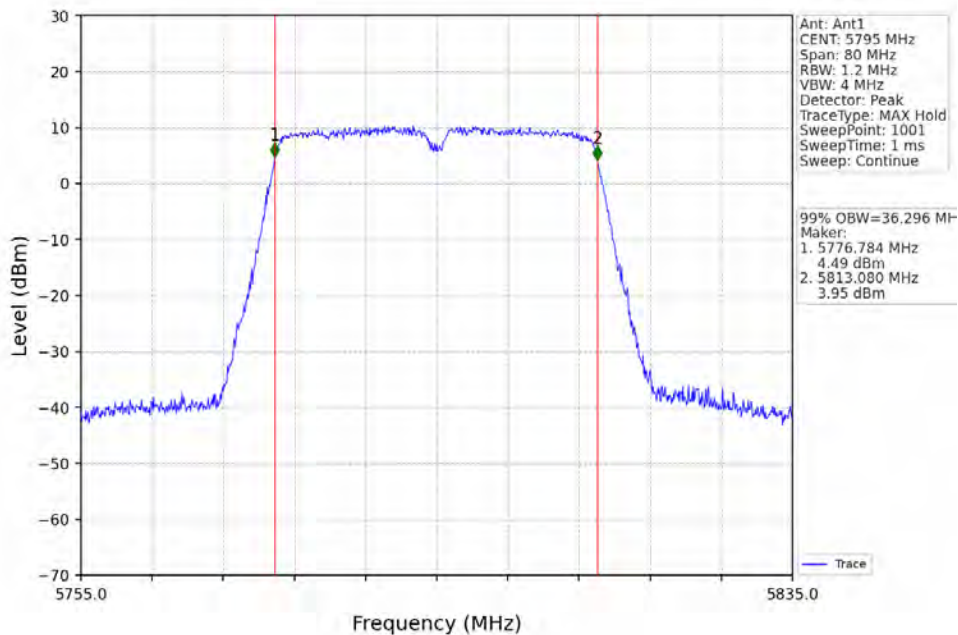
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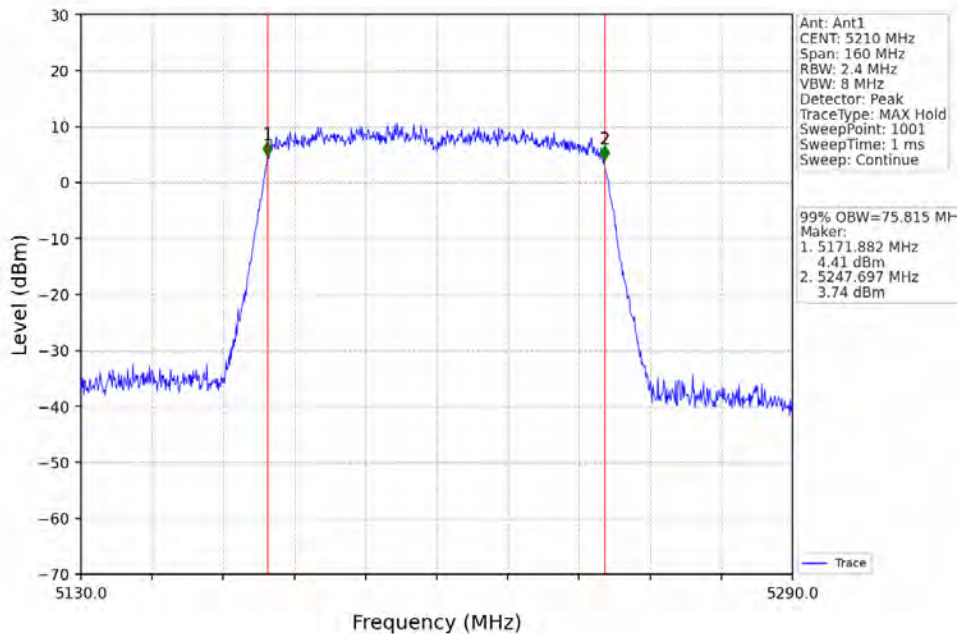
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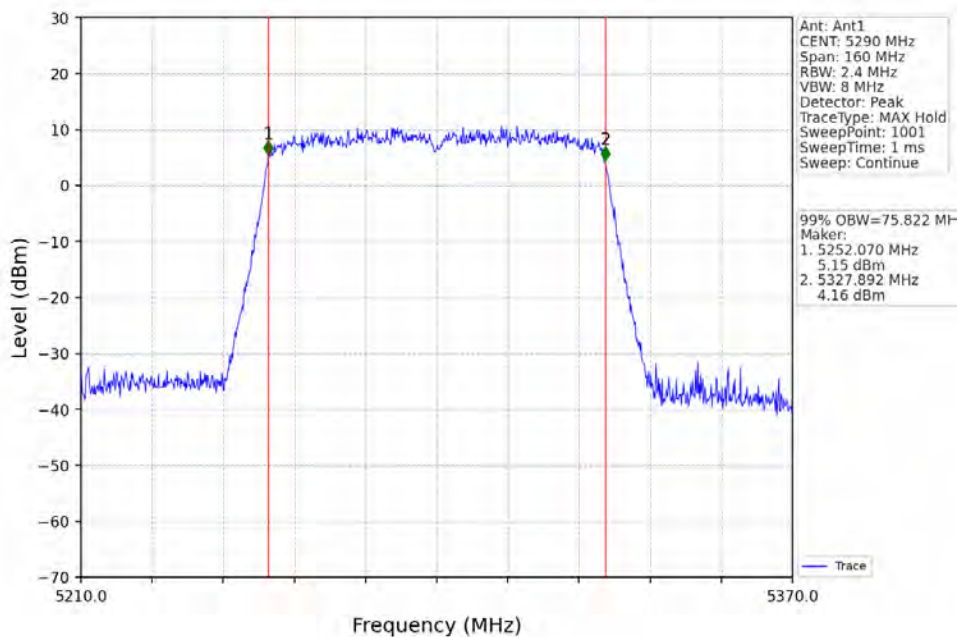
### 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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



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



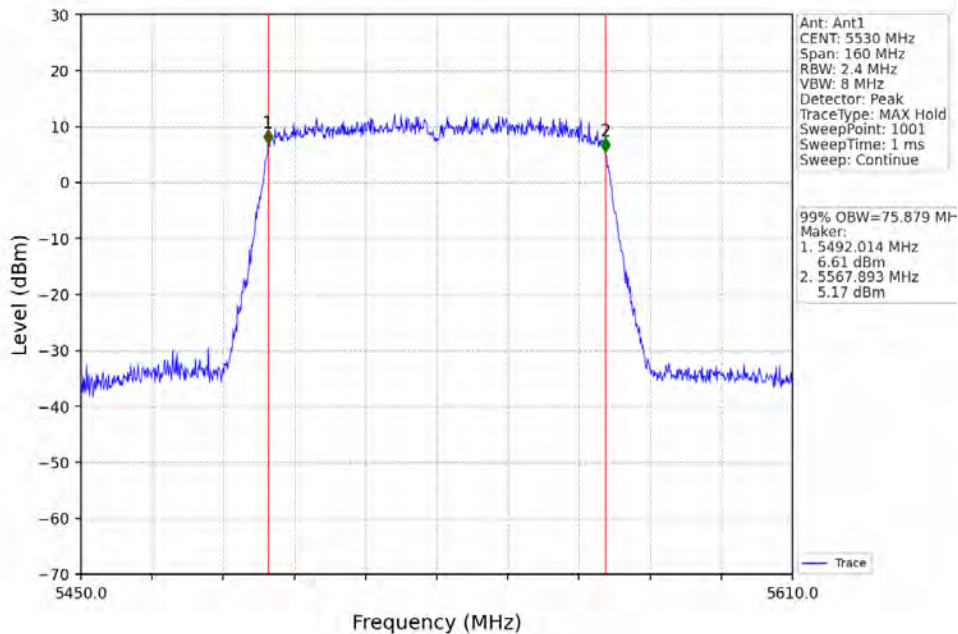
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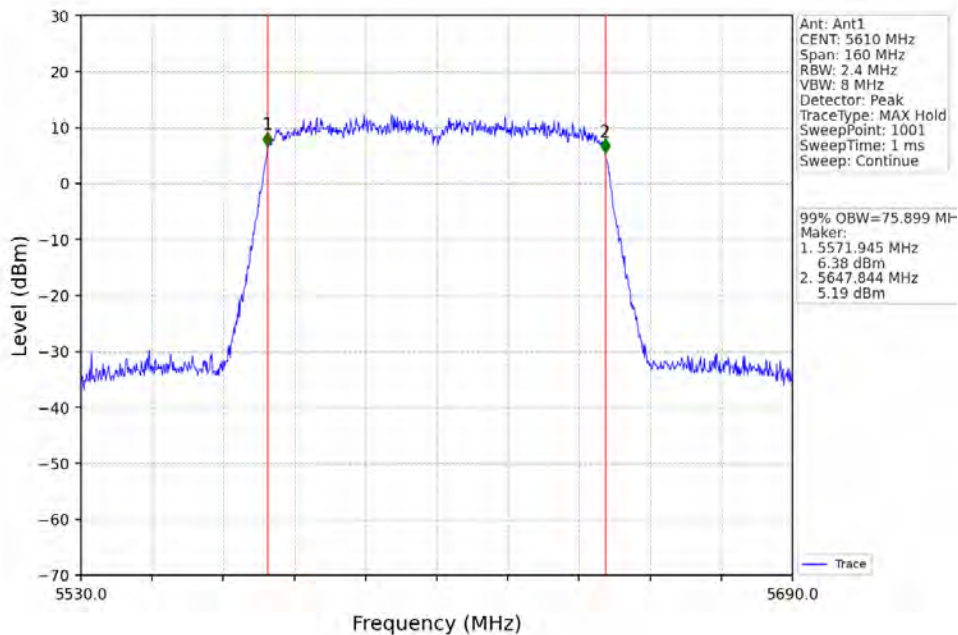
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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



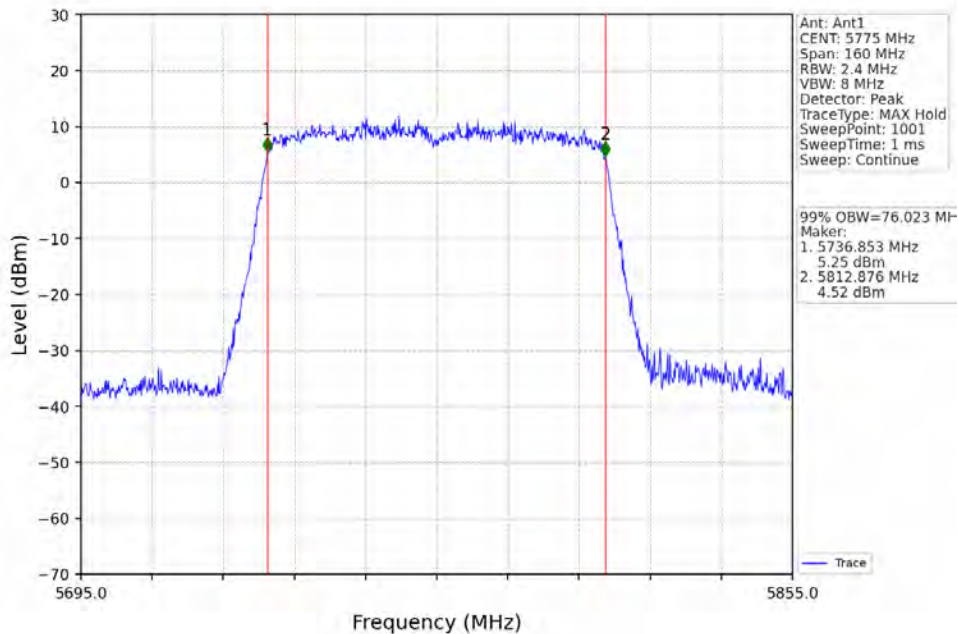
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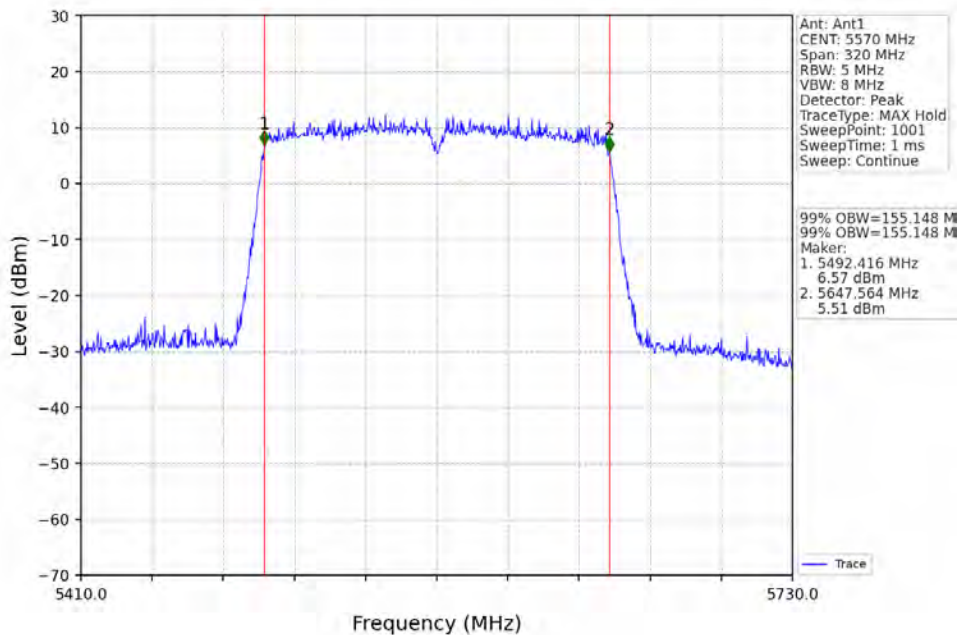
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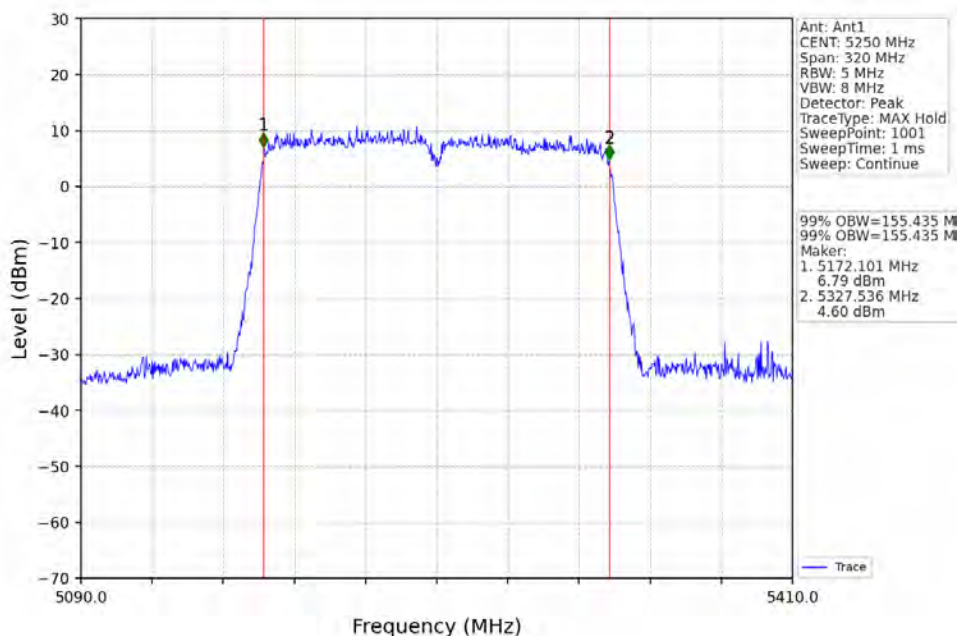
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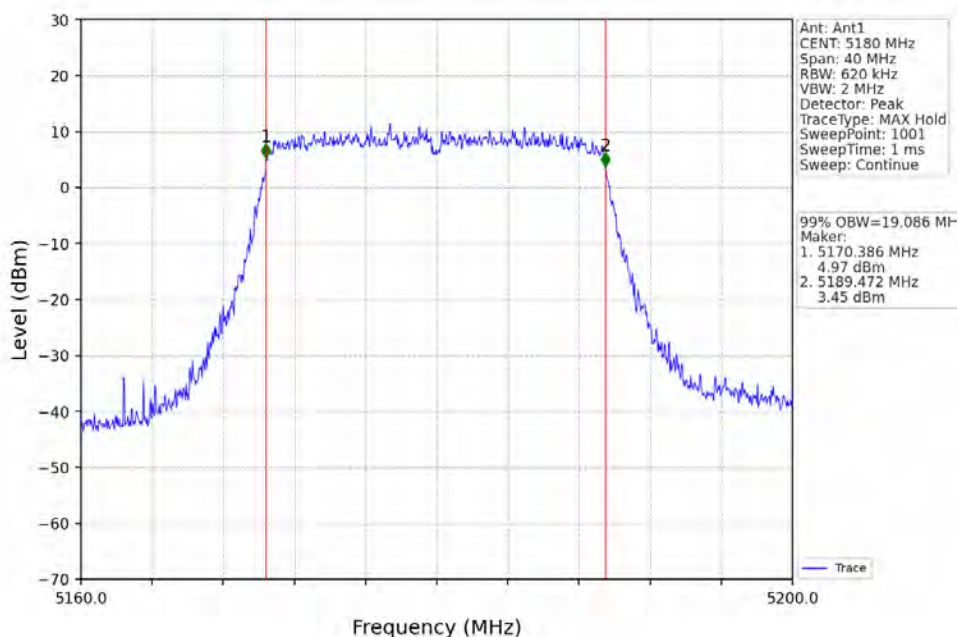
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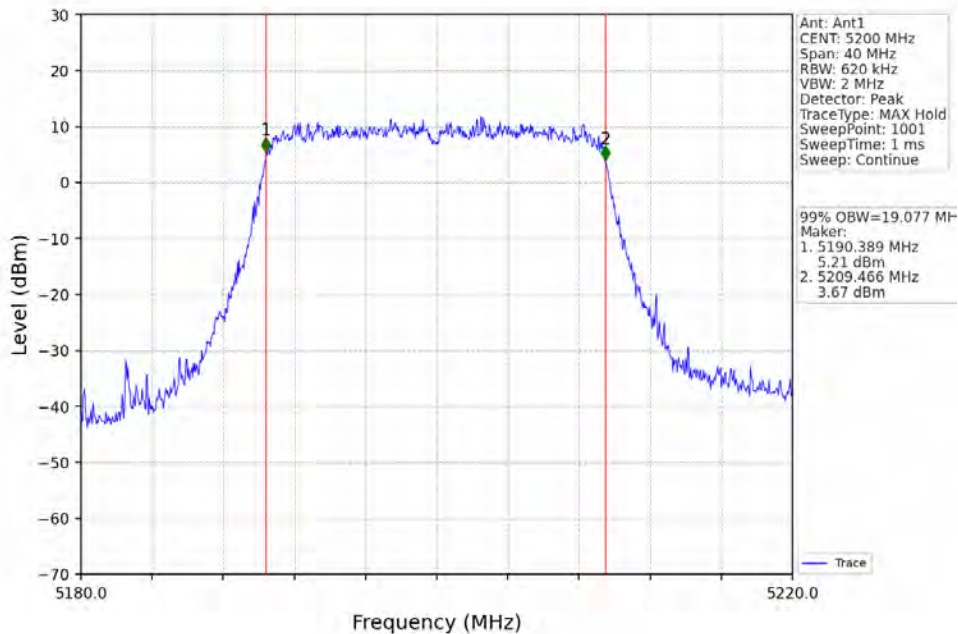
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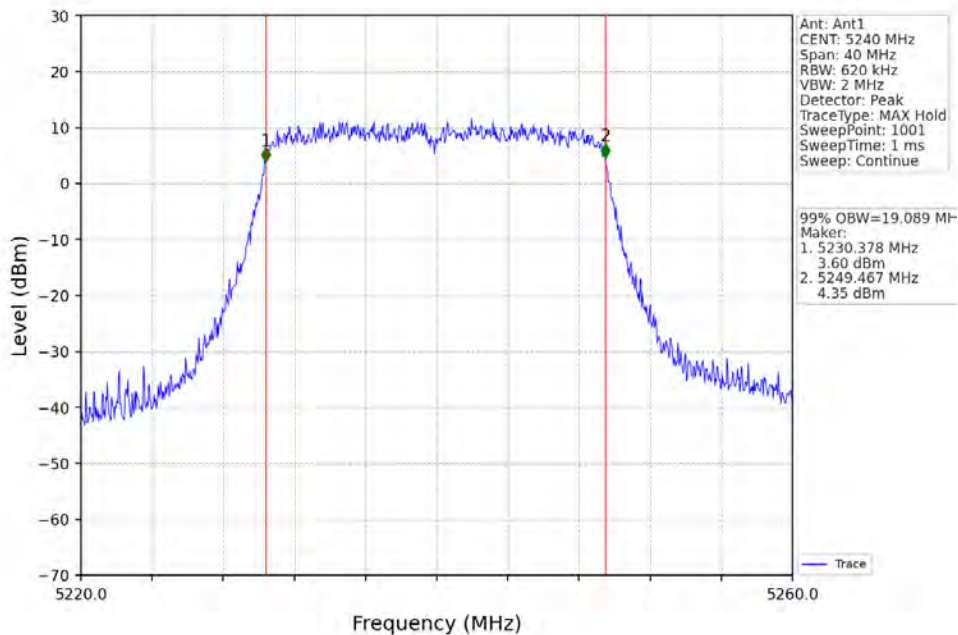
802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV



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



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



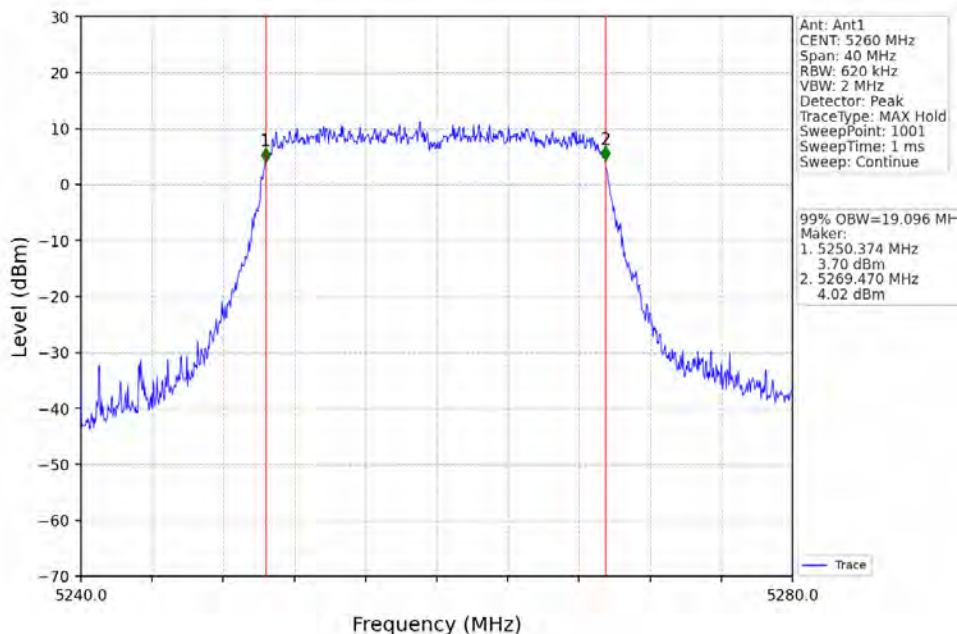
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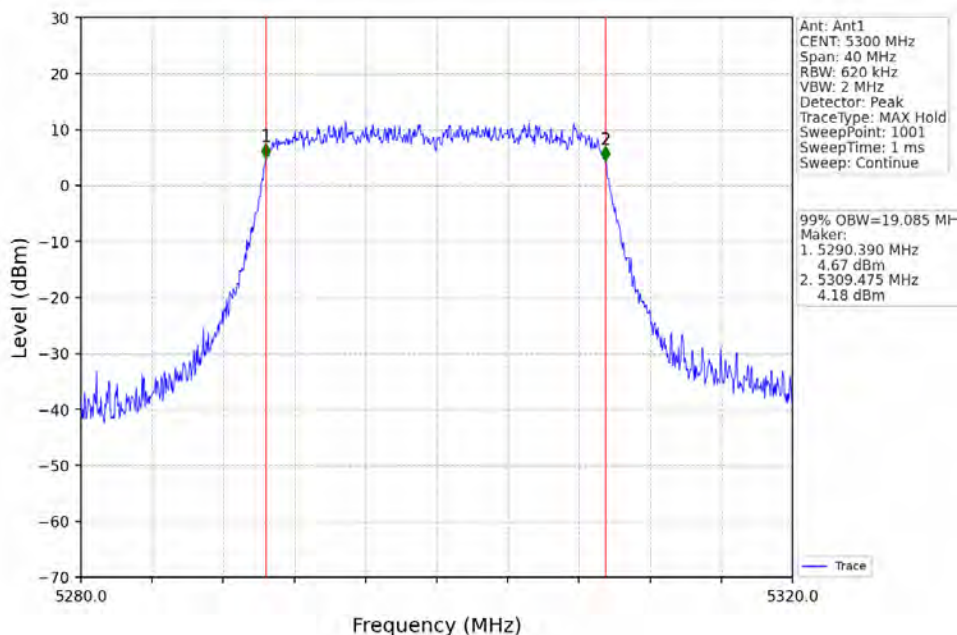
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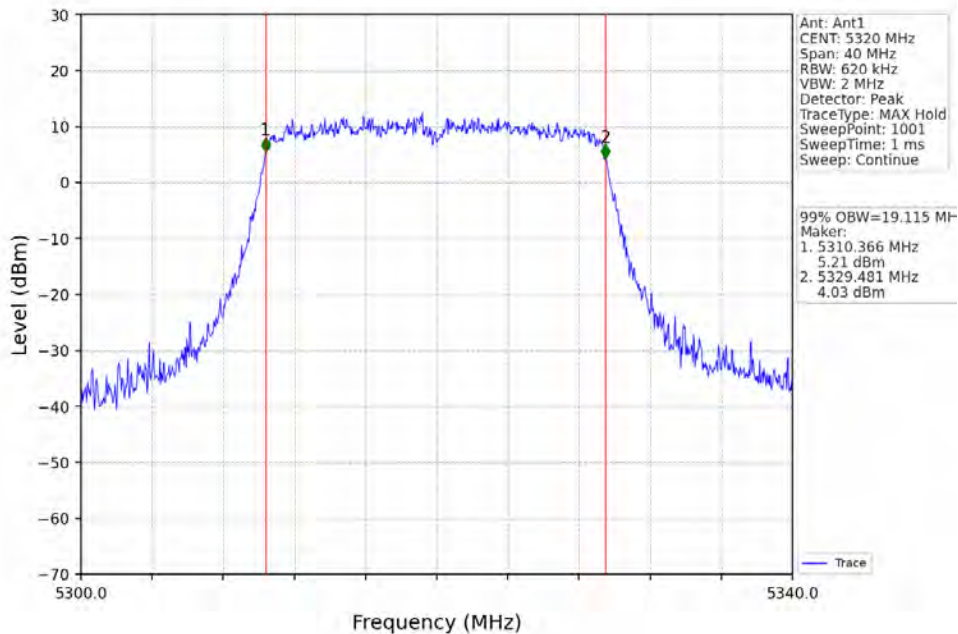
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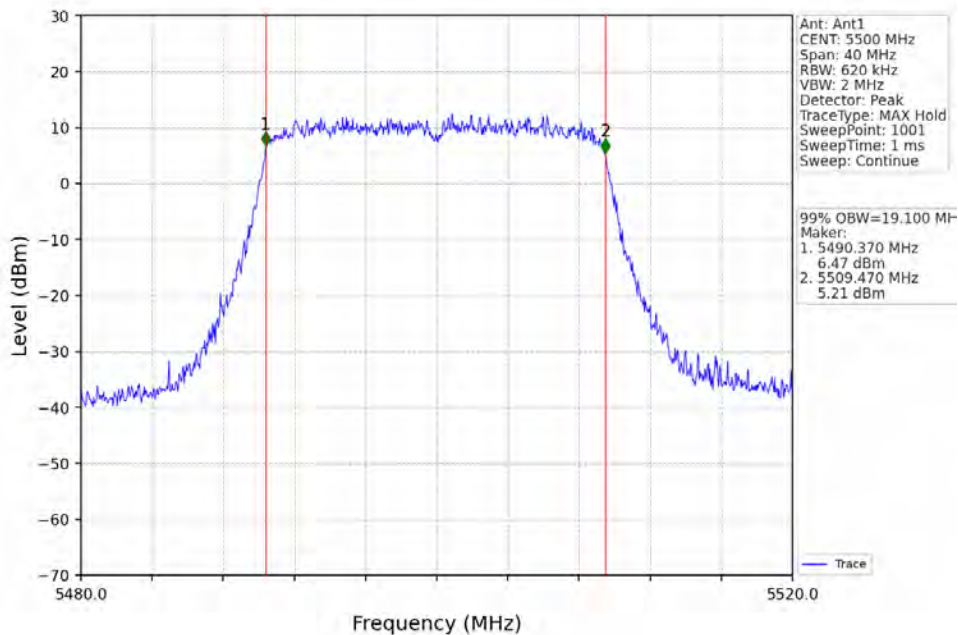
802.11ax(HEW20)\_MCH\_5300MHz\_RU242\_Left\_Ant1\_NTNV



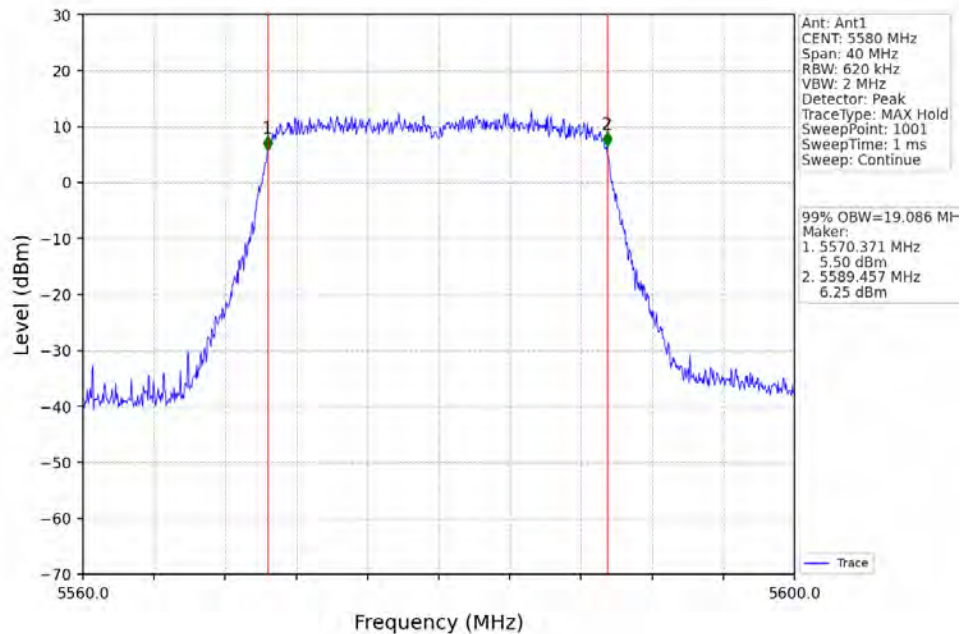
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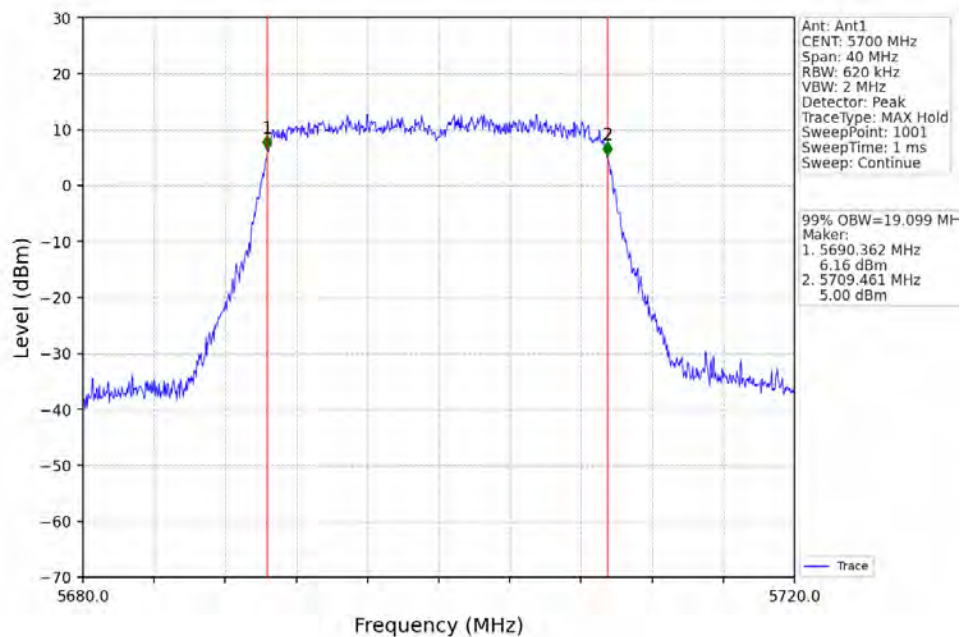
802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV



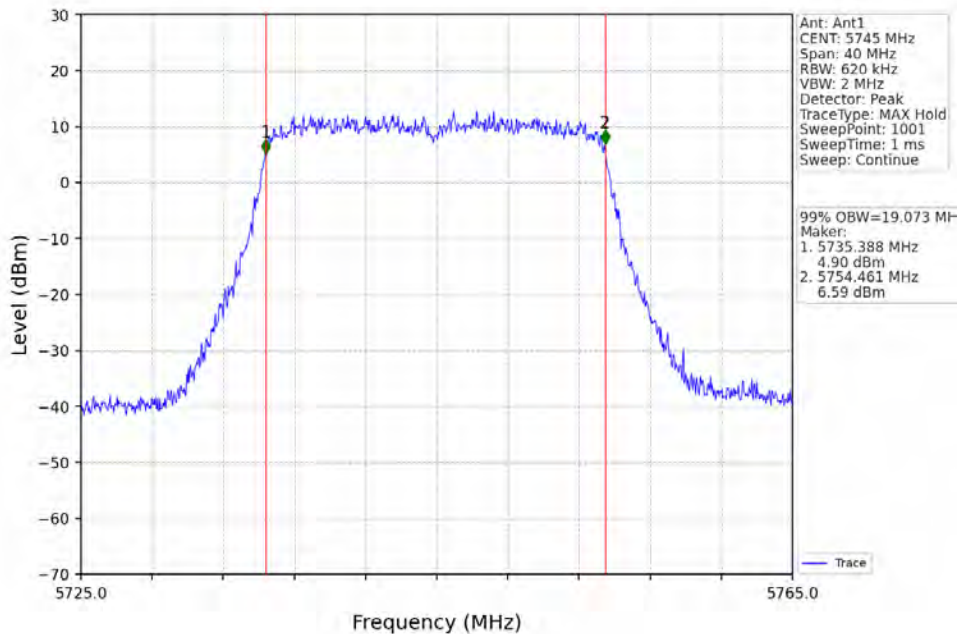
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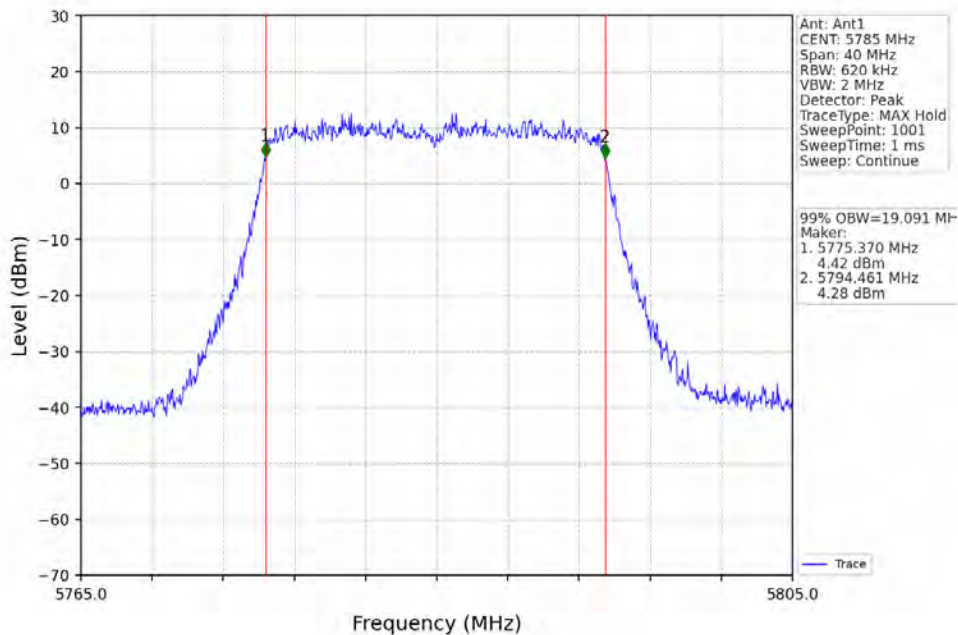
802.11ax(HEW20)\_HCH\_5700MHz\_RU242\_Left\_Ant1\_NTNV



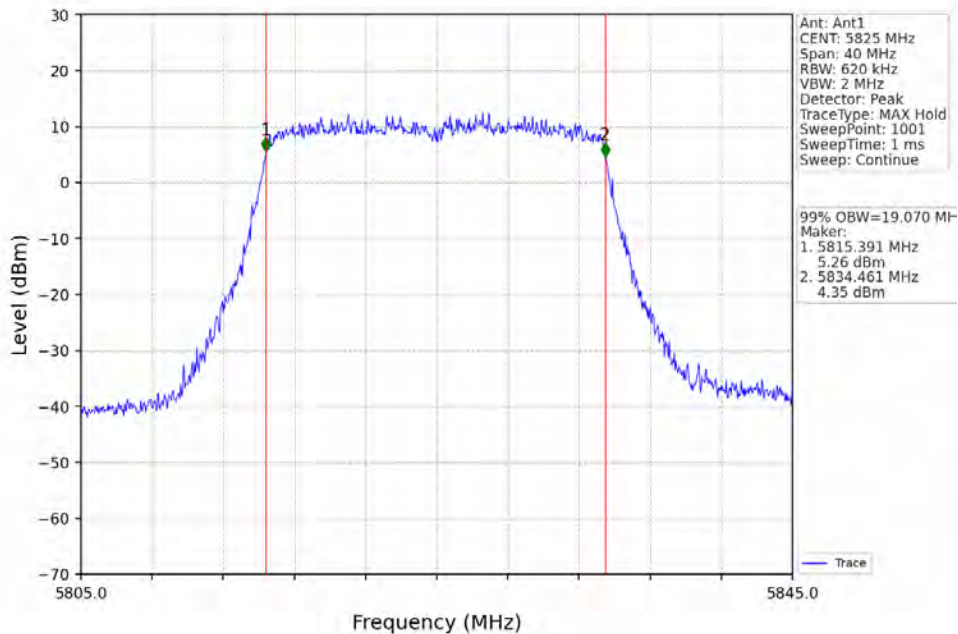
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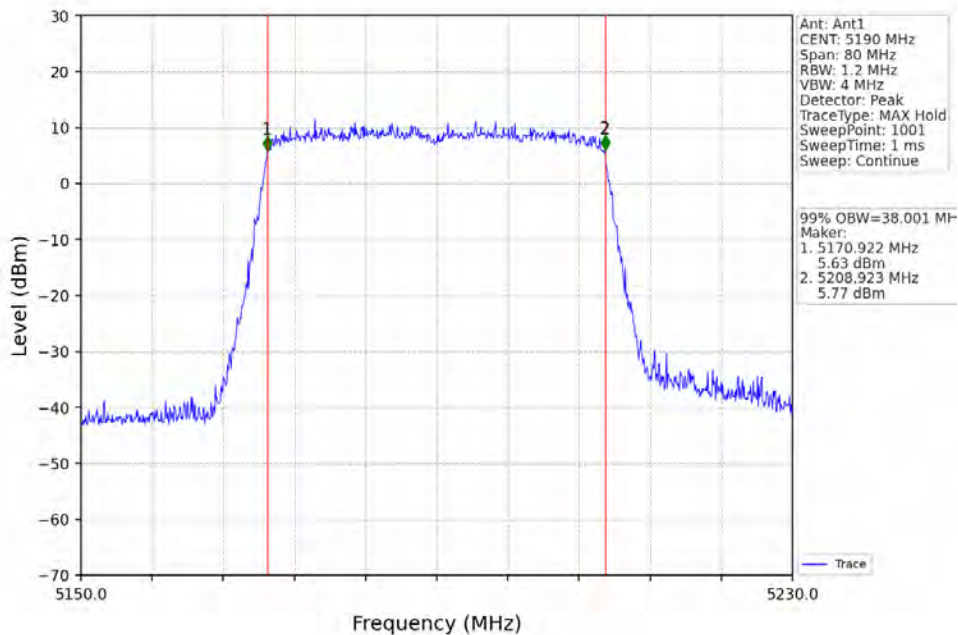
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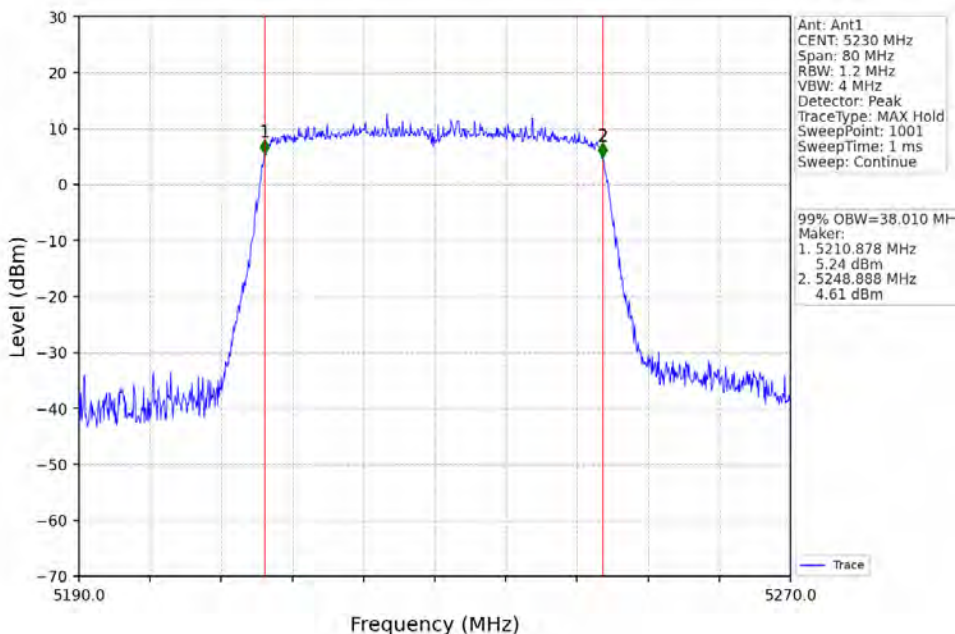
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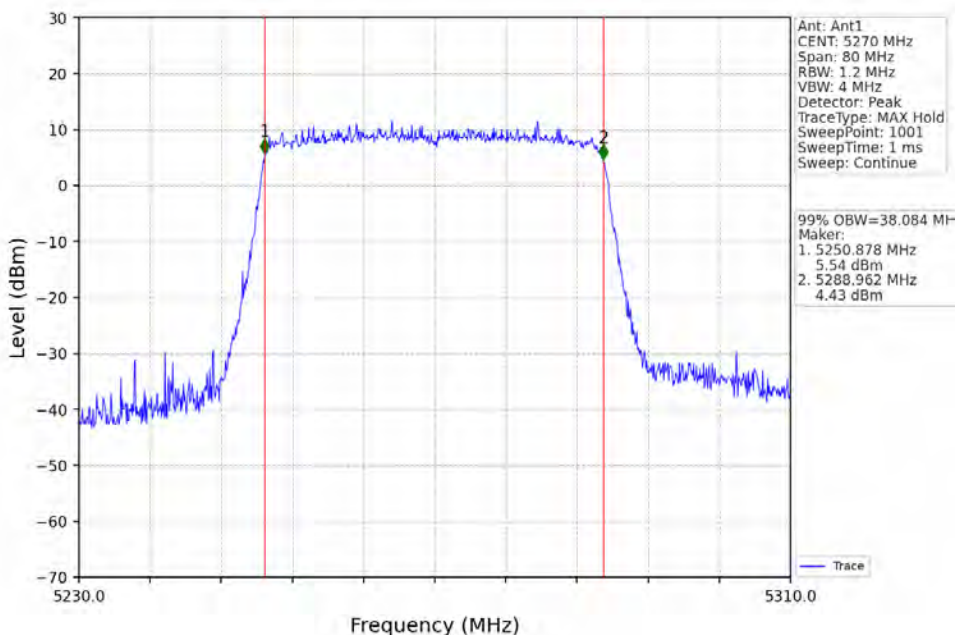
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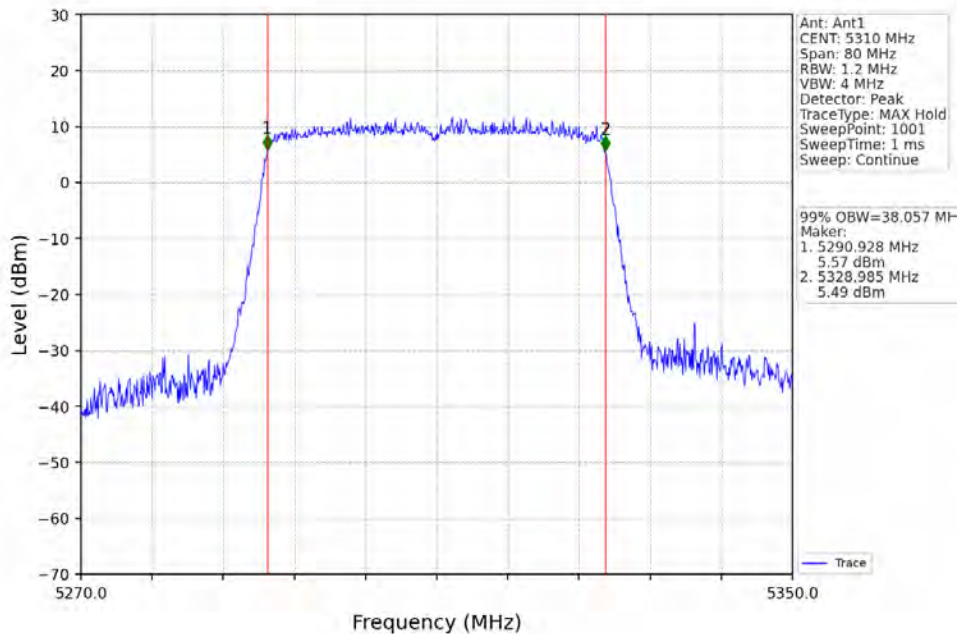
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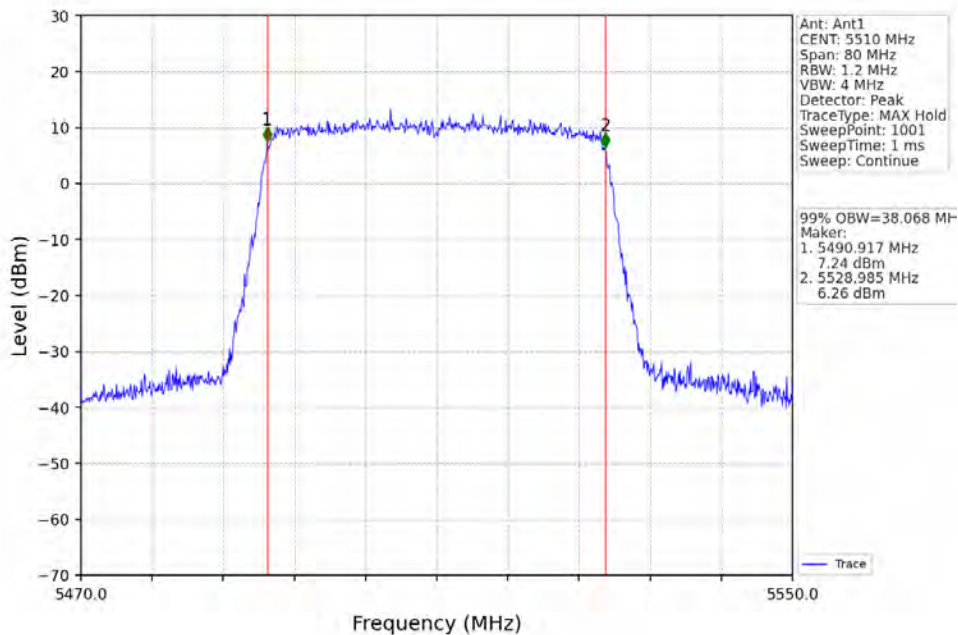
802.11ax(HEW40)\_LCH\_5270MHz\_RU484\_Left\_Ant1\_NTNV



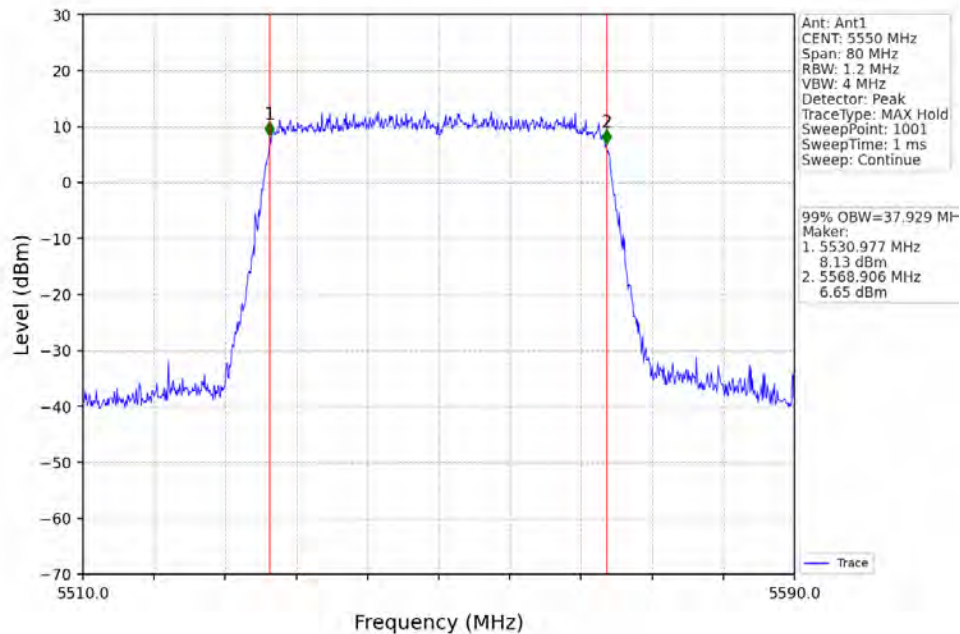
802.11ax(HEW40)\_HCH\_5310MHz\_RU484\_Left\_Ant1\_NTNV



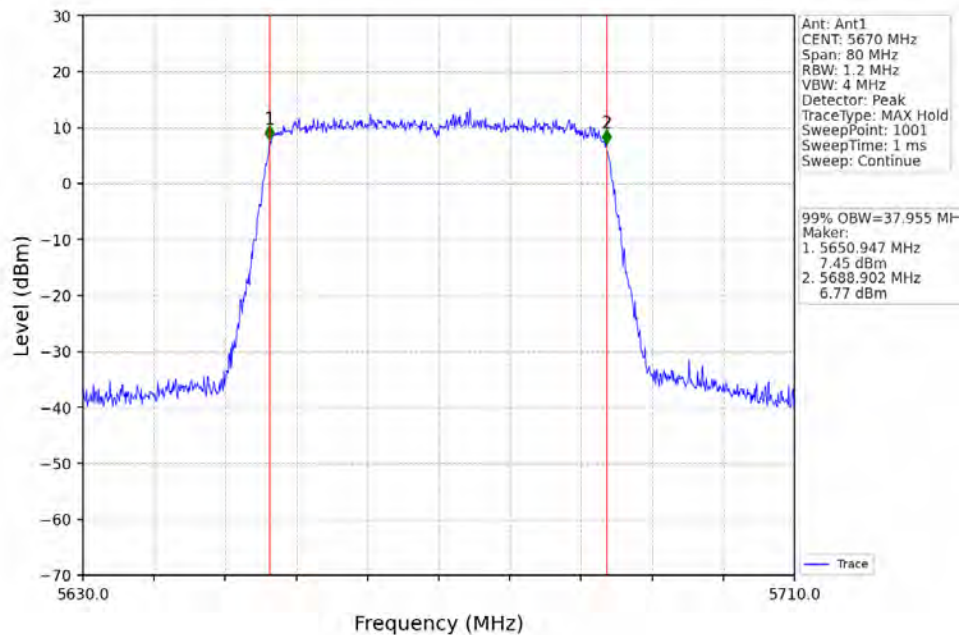
802.11ax(HEW40)\_LCH\_5510MHz\_RU484\_Left\_Ant1\_NTNV



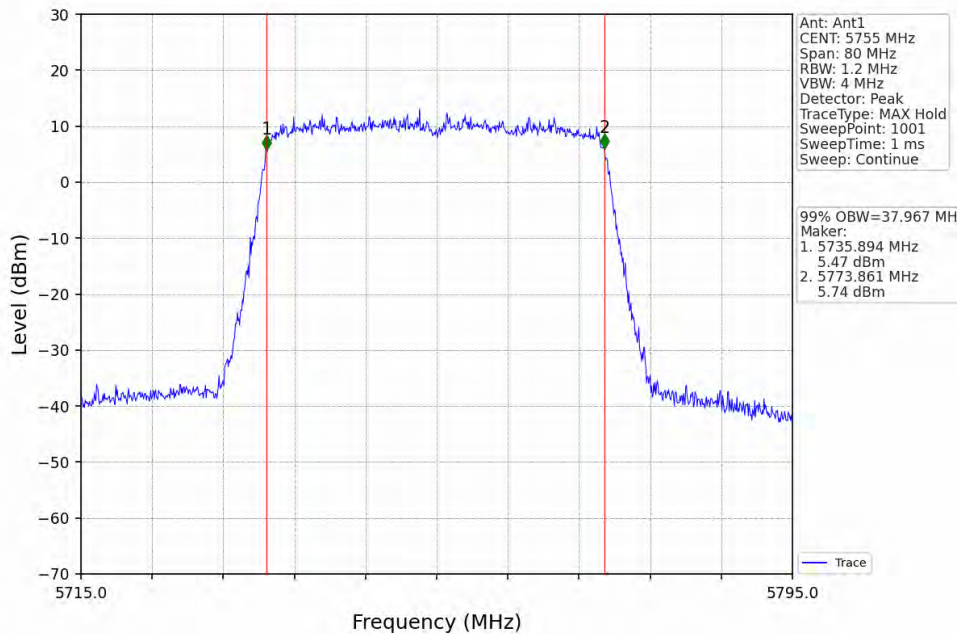
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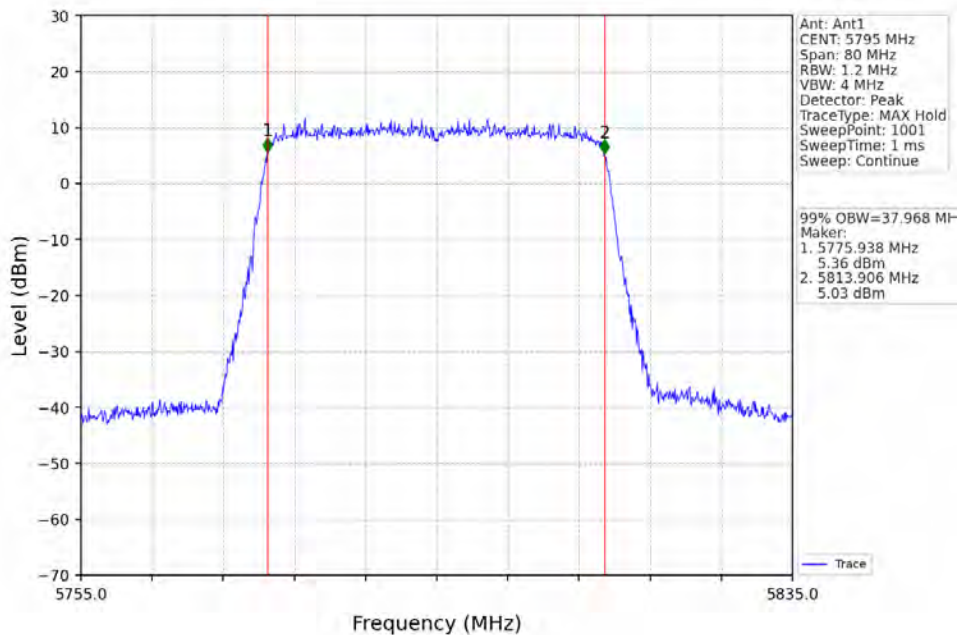
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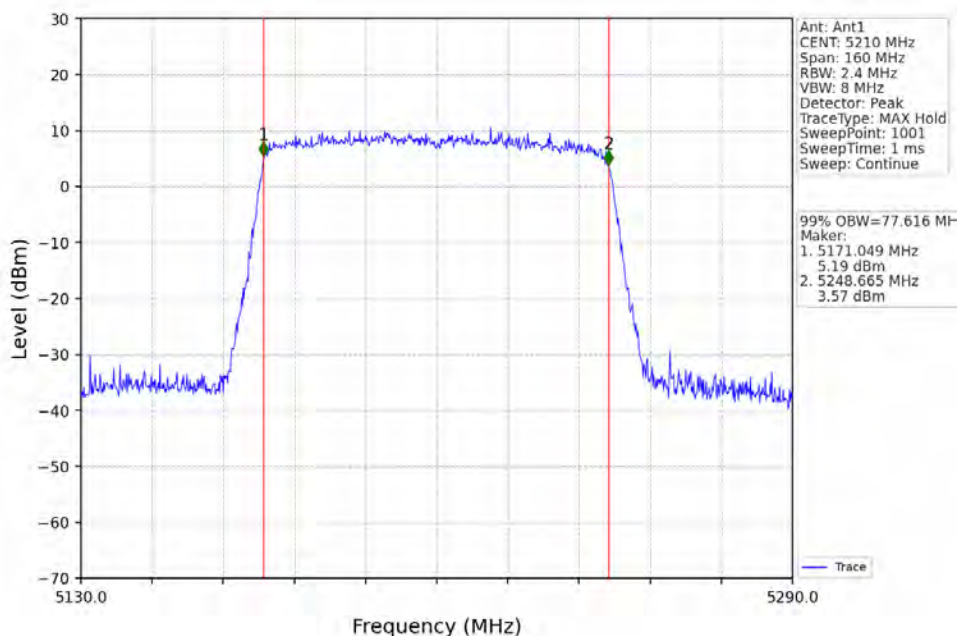
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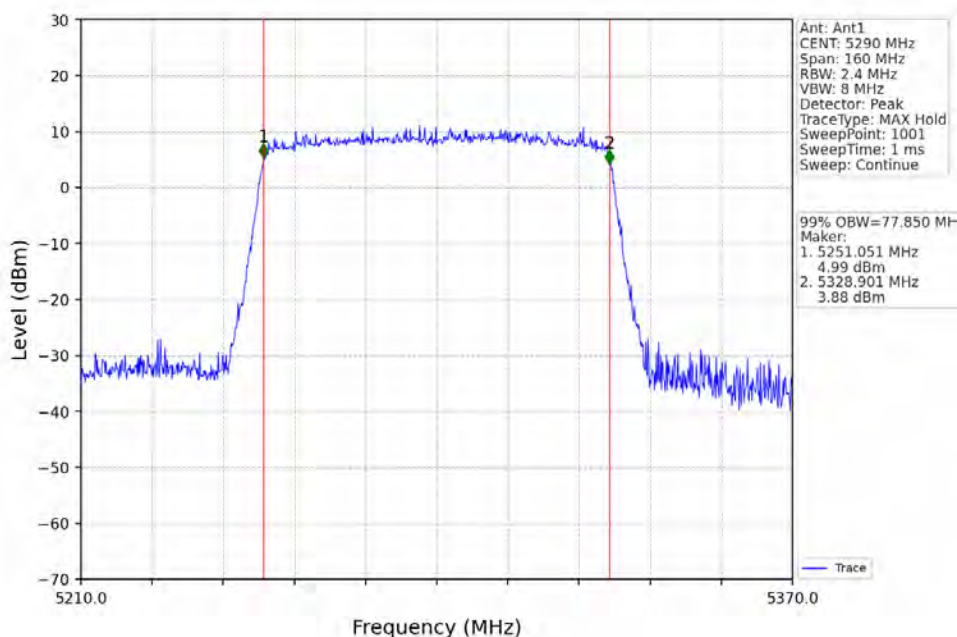
802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



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



802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant1\_NTNV



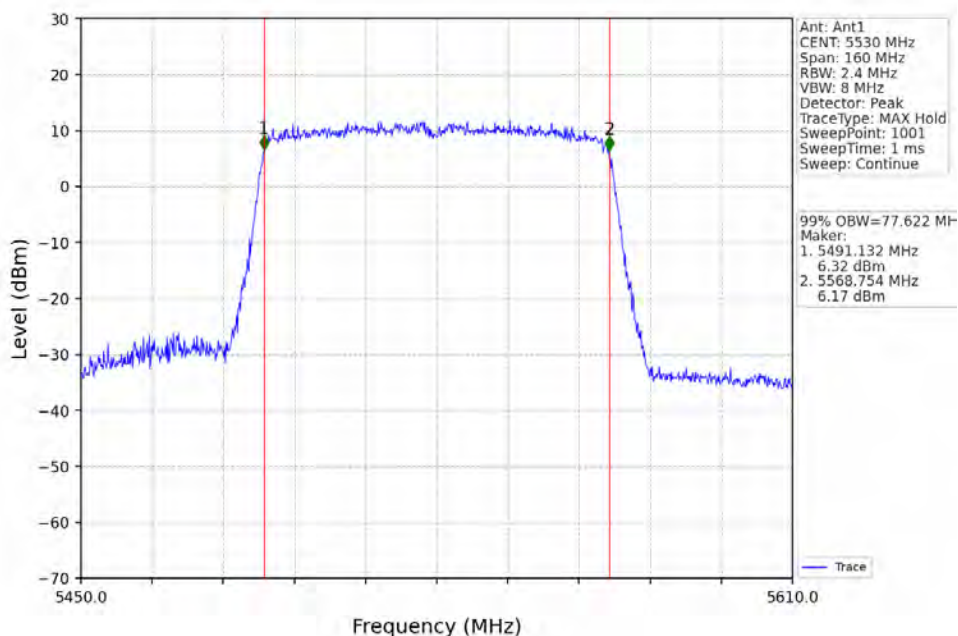
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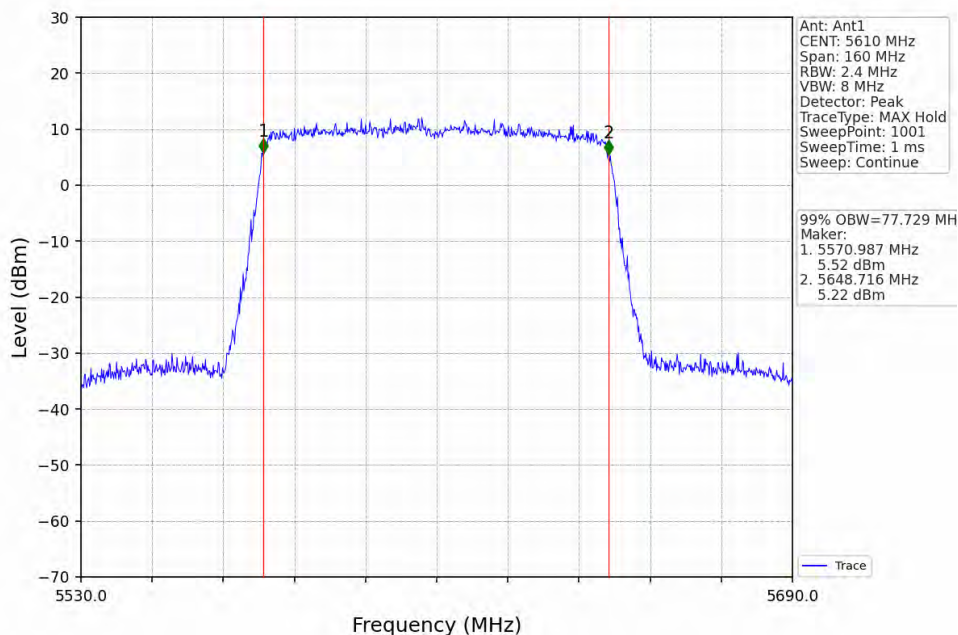
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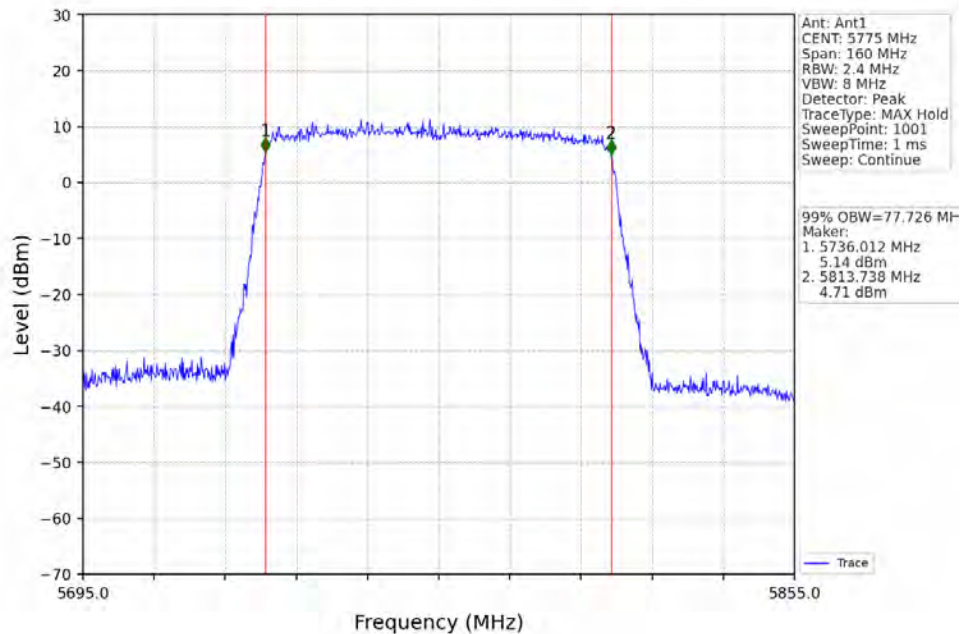
802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant1\_NTNV



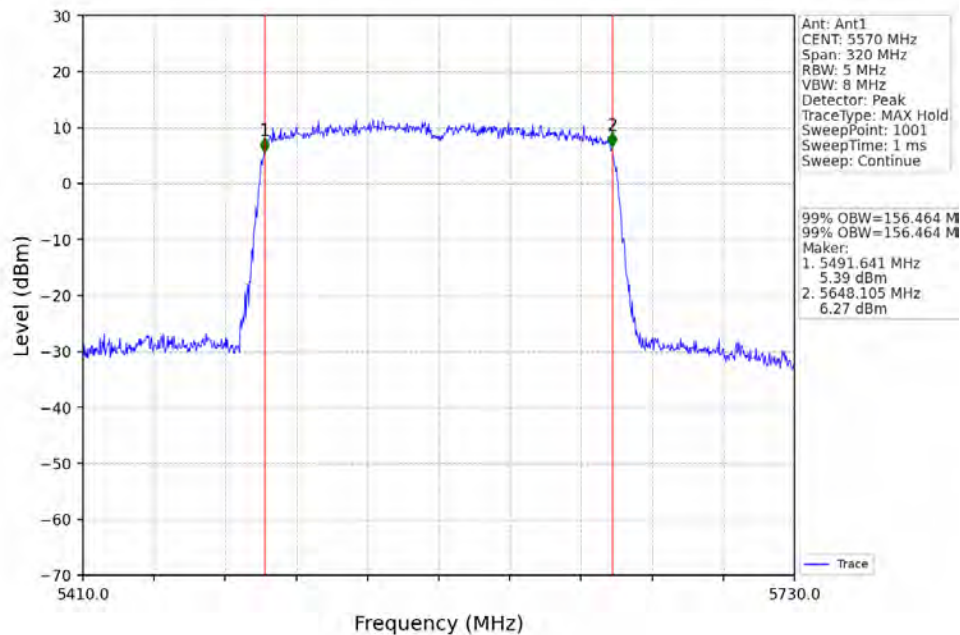
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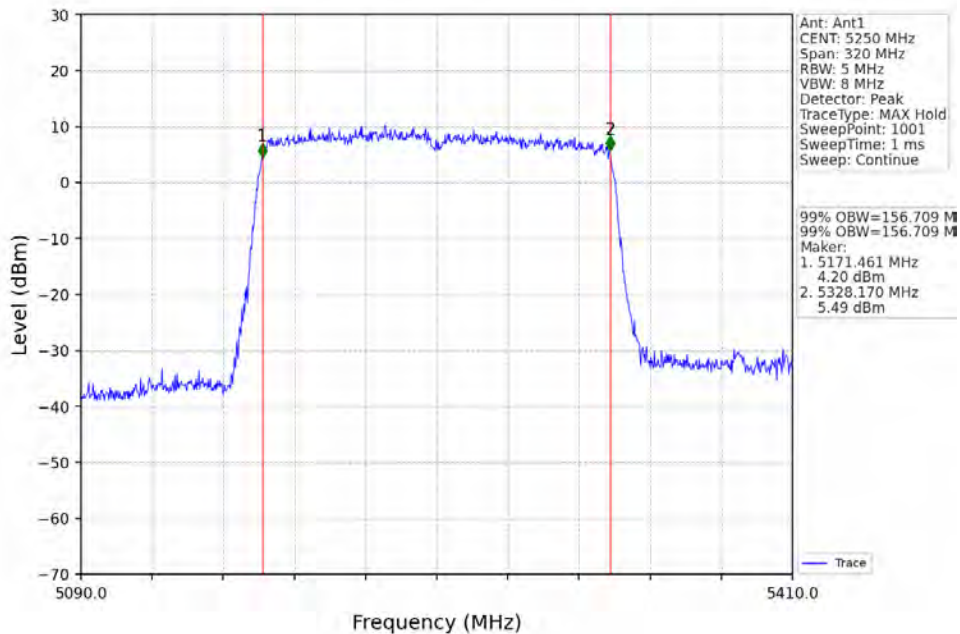
802.11ax(HEW80)\_MCH\_5775MHz\_RU996\_Left\_Ant1\_NTNV



802.11ax(HEW160)\_MCH\_5570MHz\_2xRU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW160)\_MCH\_5250MHz\_2xRU996\_Left\_Ant1\_NTNV



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240400117605

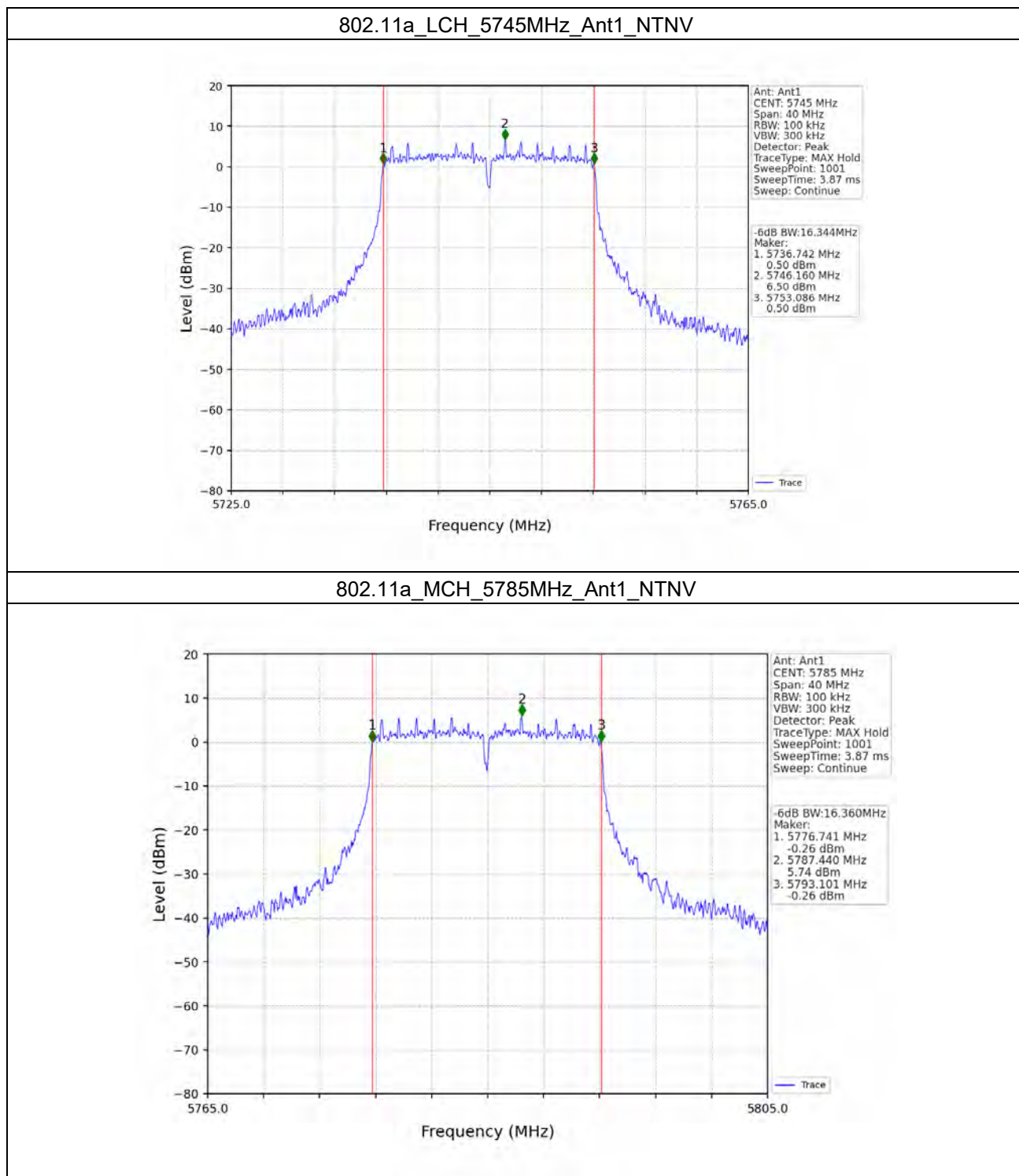
Page: 377 of 588

## 2.2 6dB BW

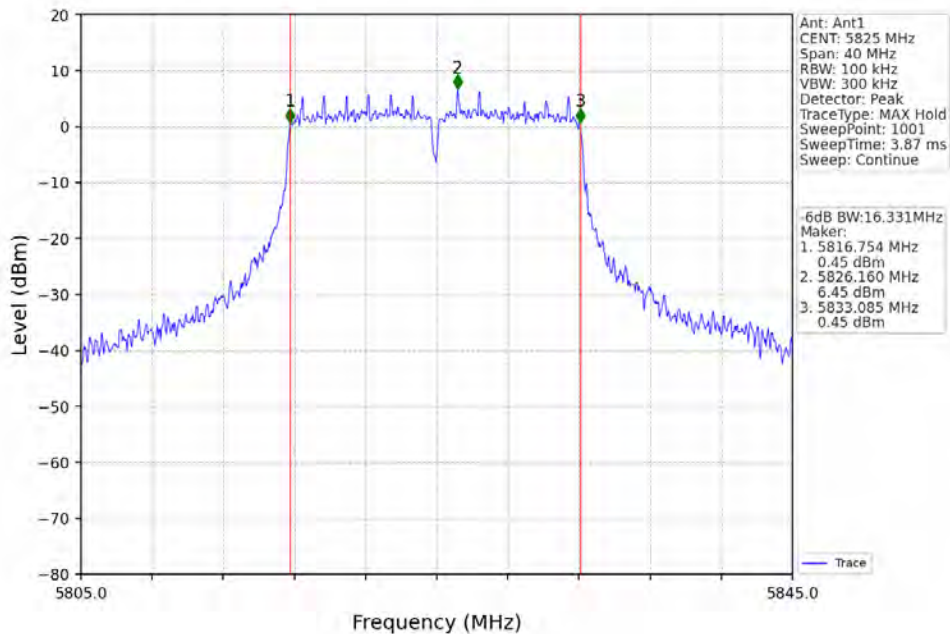
### 2.2.1 Test Result

| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | ANT | 6dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-----|---------------------|-------|---------|
|                  |         |                 |       |        |     | Result              | Limit |         |
| 802.11a          | SISO    | 5745            | /     | /      | 1   | 16.344              | >=0.5 | Pass    |
|                  |         | 5785            | /     | /      | 1   | 16.360              | >=0.5 | Pass    |
|                  |         | 5825            | /     | /      | 1   | 16.331              | >=0.5 | Pass    |
| 802.11n (HT20)   | MIMO    | 5745            | /     | /      | 1   | 17.309              | >=0.5 | Pass    |
|                  |         | 5785            | /     | /      | 1   | 17.116              | >=0.5 | Pass    |
|                  |         | 5825            | /     | /      | 1   | 17.025              | >=0.5 | Pass    |
| 802.11n (HT40)   | MIMO    | 5755            | /     | /      | 1   | 36.008              | >=0.5 | Pass    |
|                  |         | 5795            | /     | /      | 1   | 35.611              | >=0.5 | Pass    |
| 802.11ac (VHT20) | MIMO    | 5745            | /     | /      | 1   | 17.570              | >=0.5 | Pass    |
|                  |         | 5785            | /     | /      | 1   | 17.593              | >=0.5 | Pass    |
|                  |         | 5825            | /     | /      | 1   | 17.270              | >=0.5 | Pass    |
| 802.11ac (VHT40) | MIMO    | 5755            | /     | /      | 1   | 36.045              | >=0.5 | Pass    |
|                  |         | 5795            | /     | /      | 1   | 35.754              | >=0.5 | Pass    |
| 802.11ac (VHT80) | MIMO    | 5775            | /     | /      | 1   | 75.517              | >=0.5 | Pass    |
| 802.11ax (HEW20) | MIMO    | 5745            | RU242 | Left   | 1   | 18.812              | >=0.5 | Pass    |
|                  |         | 5785            | RU242 | Left   | 1   | 18.801              | >=0.5 | Pass    |
|                  |         | 5825            | RU242 | Left   | 1   | 18.991              | >=0.5 | Pass    |
| 802.11ax (HEW40) | MIMO    | 5755            | RU484 | Left   | 1   | 37.937              | >=0.5 | Pass    |
|                  |         | 5795            | RU484 | Left   | 1   | 37.993              | >=0.5 | Pass    |
| 802.11ax (HEW80) | MIMO    | 5775            | RU996 | Left   | 1   | 77.419              | >=0.5 | Pass    |

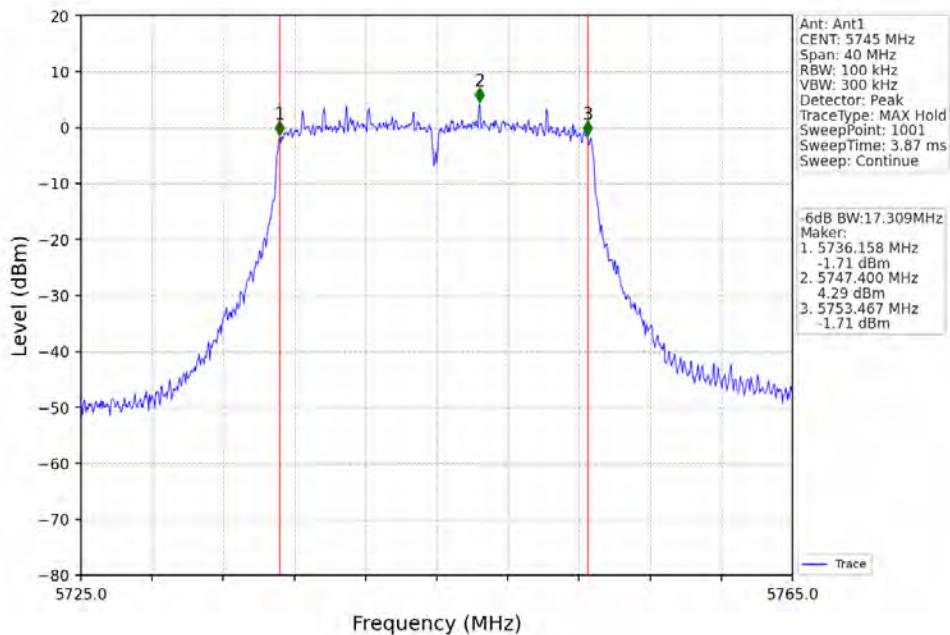
### 2.2.2 Test Graph



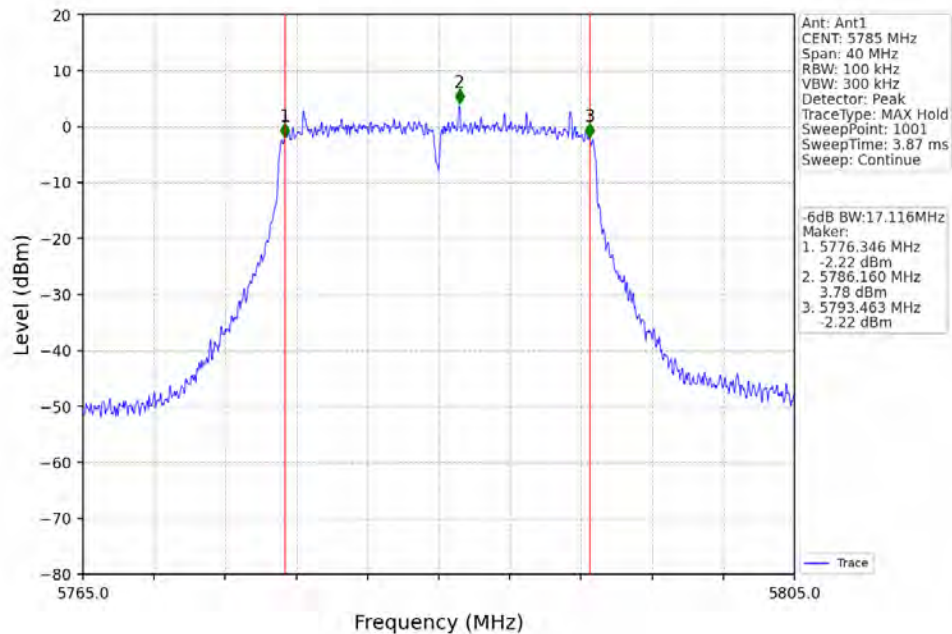
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



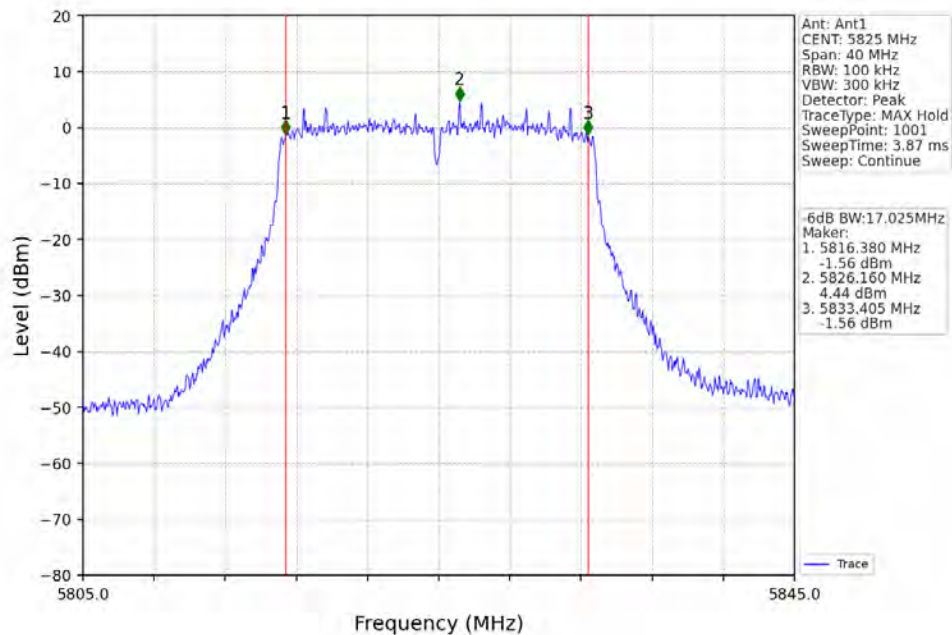
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



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



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



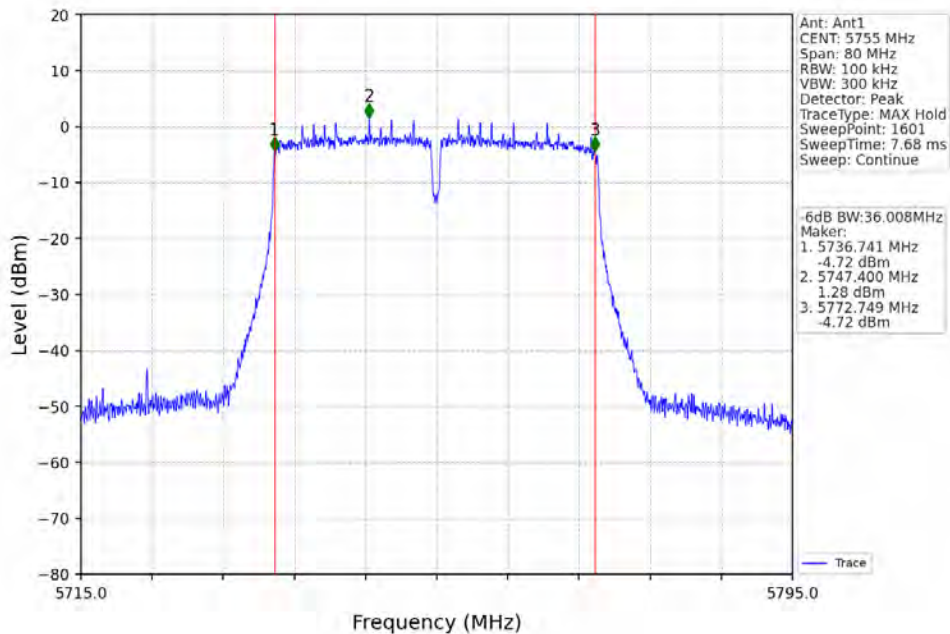
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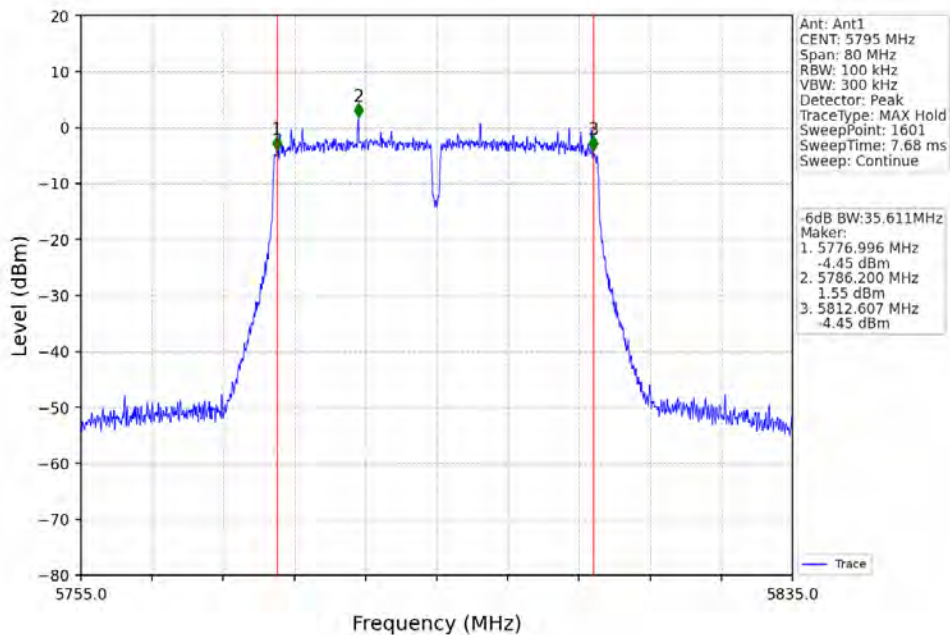
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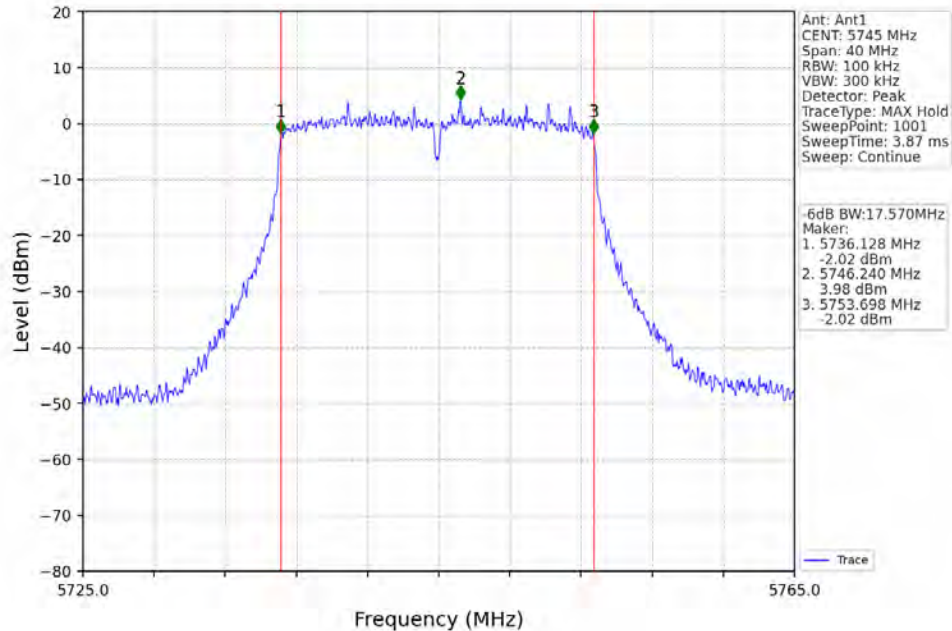
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



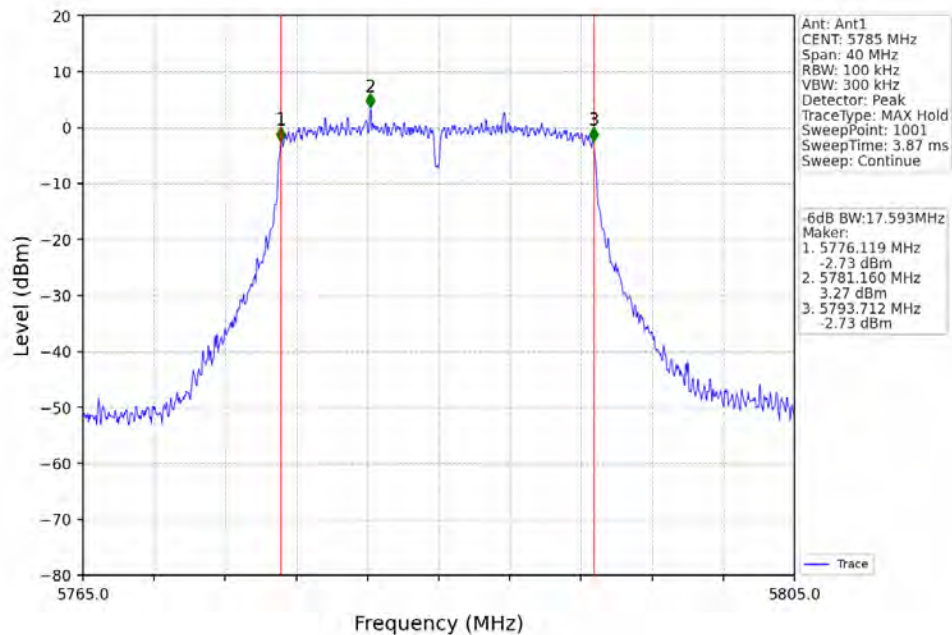
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



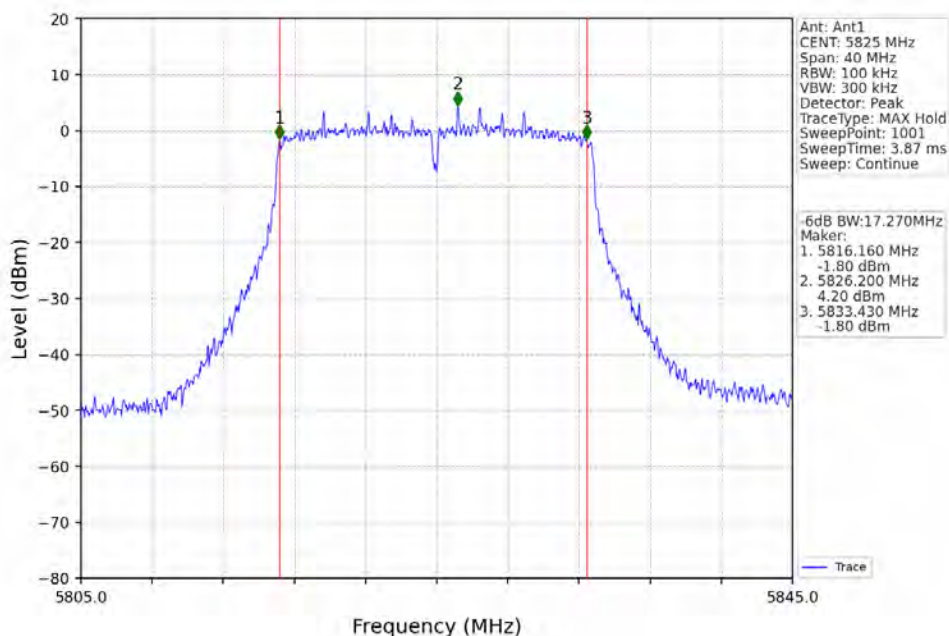
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



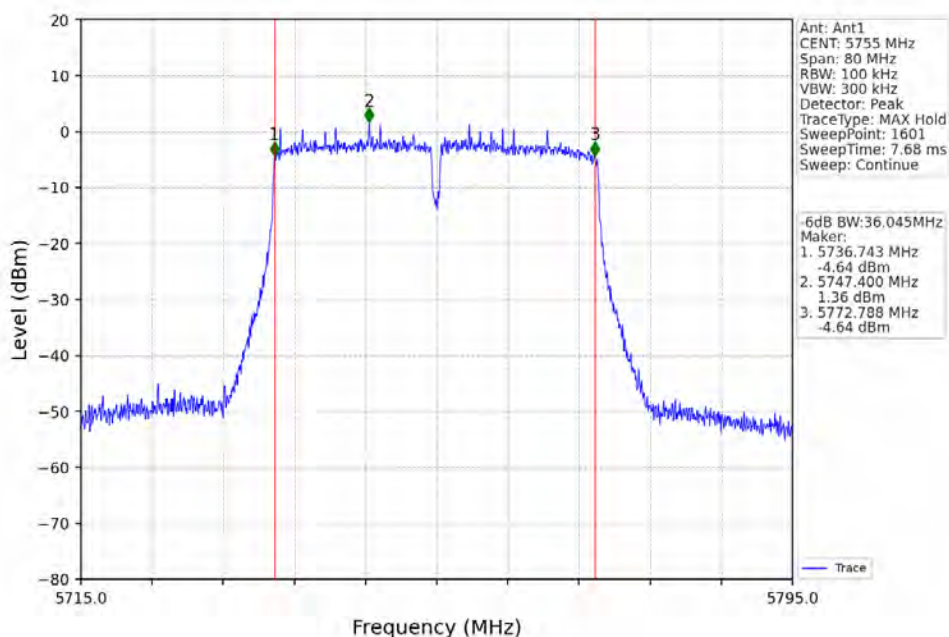
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



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



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



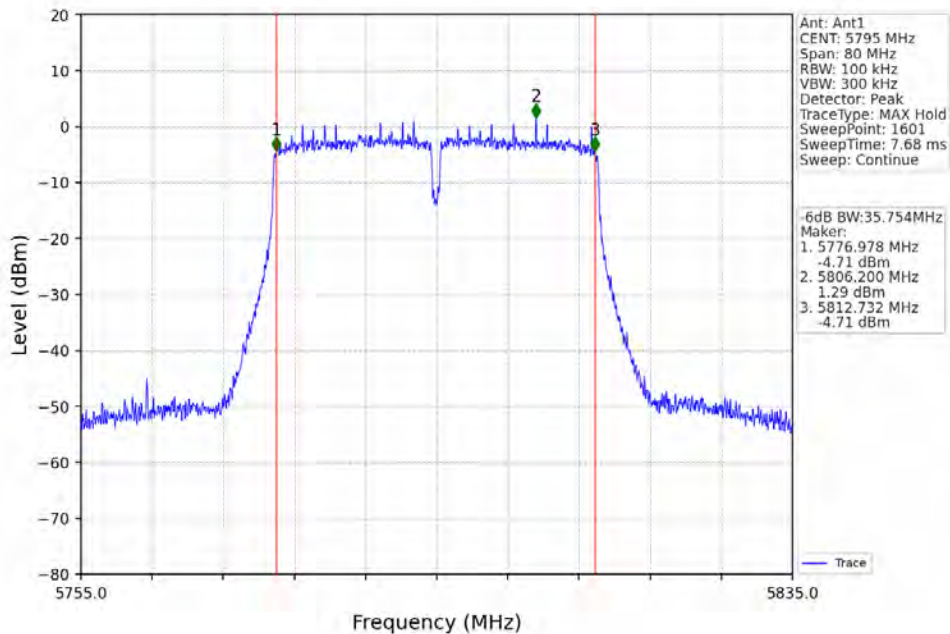
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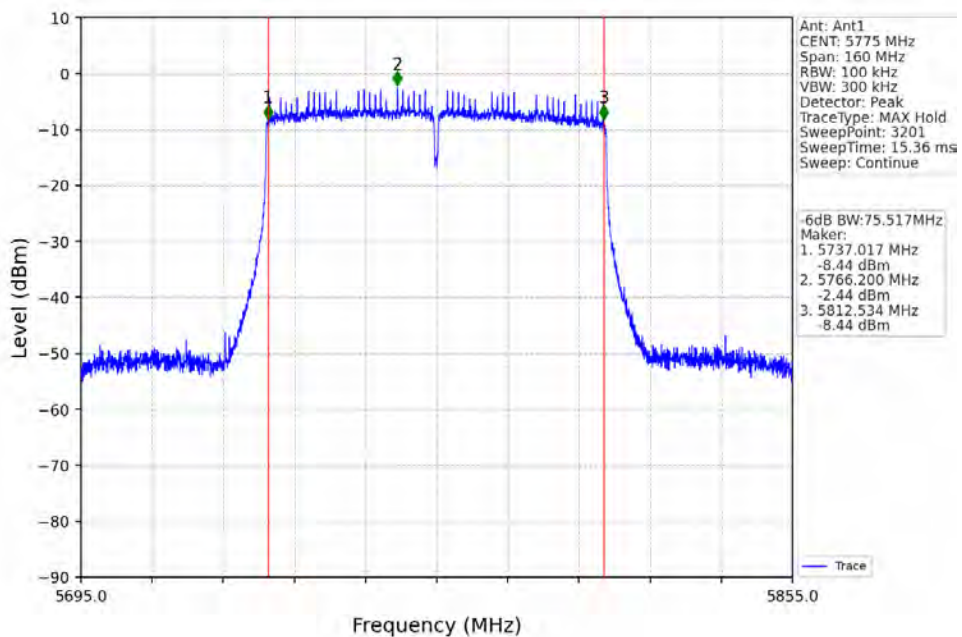
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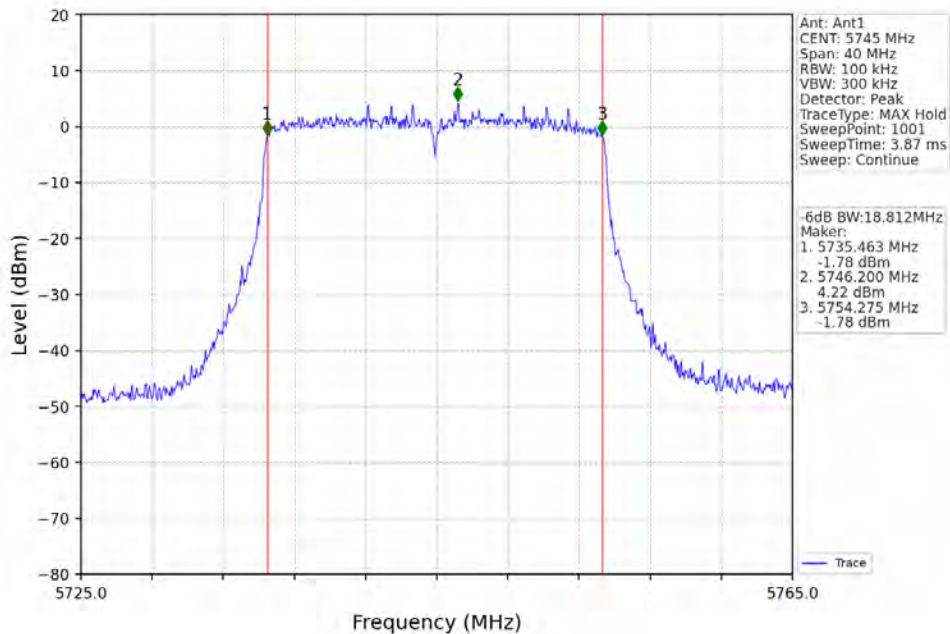
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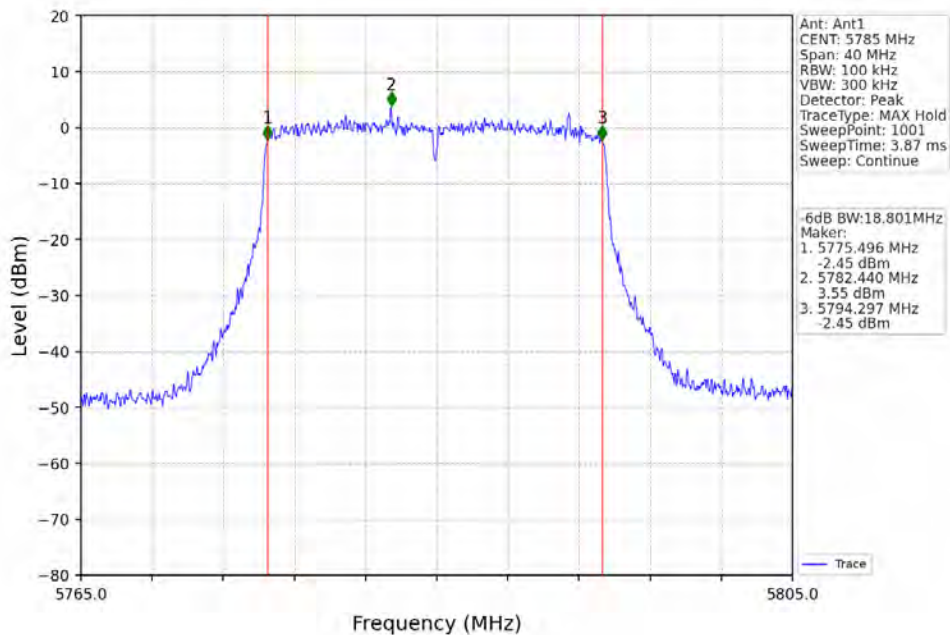
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



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



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



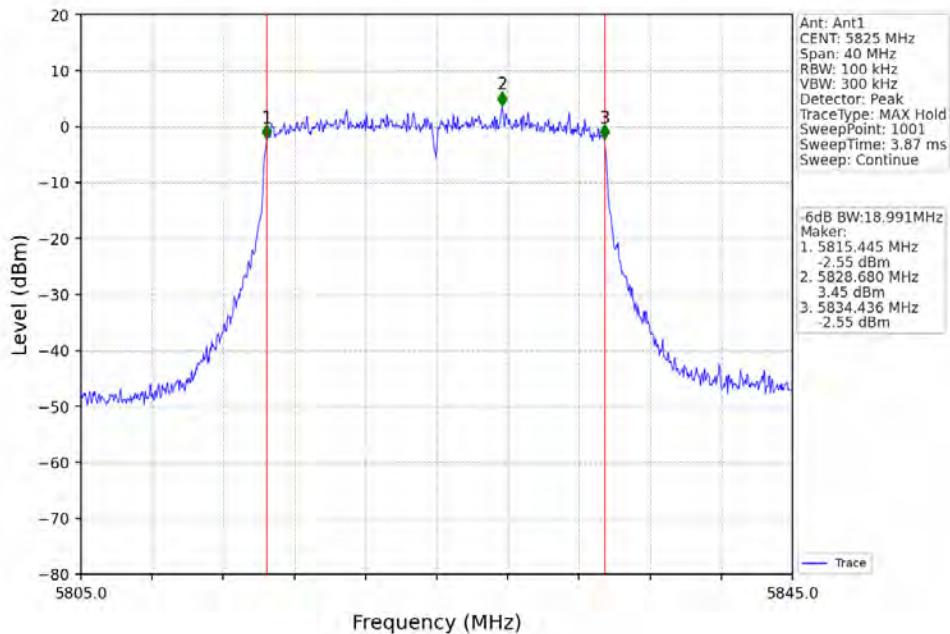
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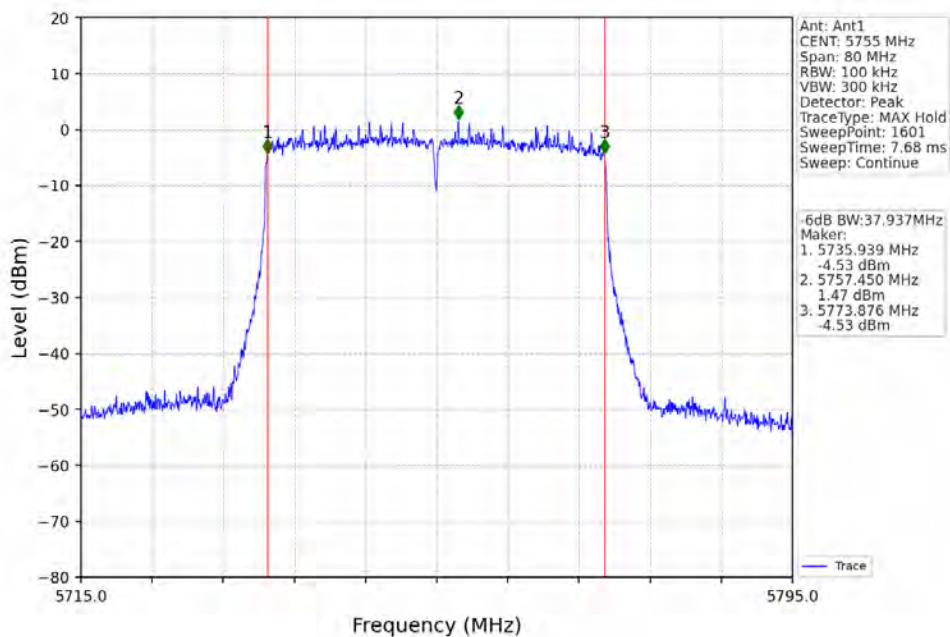
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802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



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



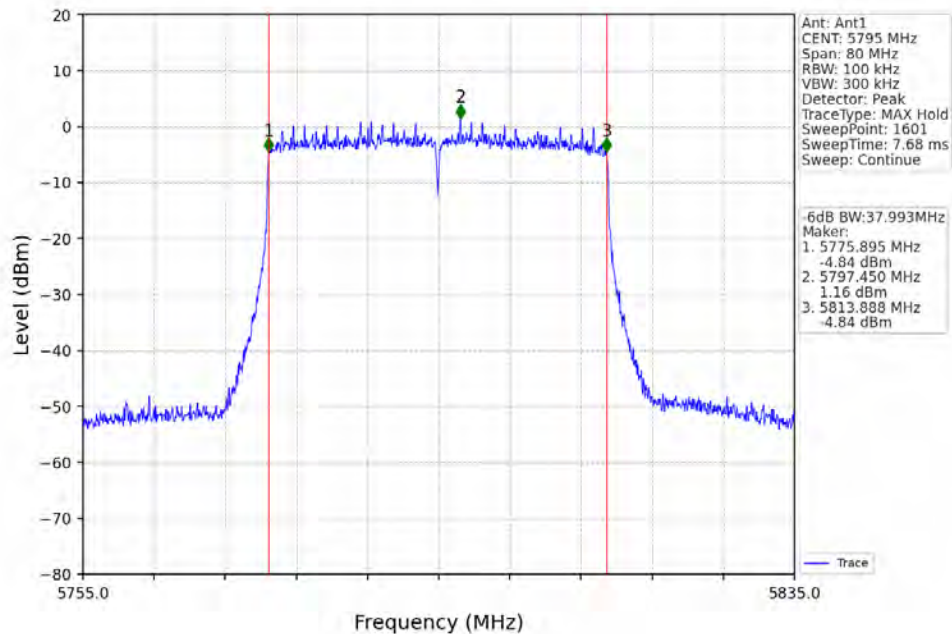
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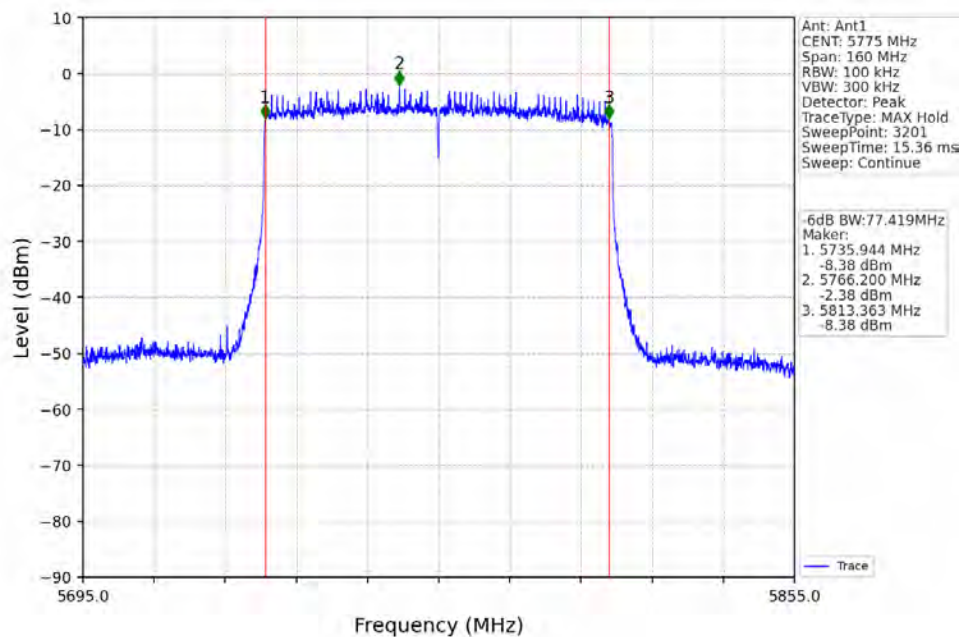
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802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



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



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240400117605

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## 2.3 26dB BW

### 2.3.1 Test Result

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|----|--------|-----|----------------------|-------|---------|
|                  |         |                 |    |        |     | Result               | Limit |         |
| 802.11a          | SISO    | 5180            | /  | /      | 1   | 19.858               | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 20.415               | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 20.443               | /     | Pass    |
|                  |         | 5260            | /  | /      | 1   | 20.752               | /     | Pass    |
|                  |         | 5300            | /  | /      | 1   | 20.942               | /     | Pass    |
|                  |         | 5320            | /  | /      | 1   | 20.763               | /     | Pass    |
|                  |         | 5500            | /  | /      | 1   | 20.020               | /     | Pass    |
|                  |         | 5580            | /  | /      | 1   | 19.844               | /     | Pass    |
|                  |         | 5700            | /  | /      | 1   | 19.231               | /     | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | /  | /      | 1   | 20.078               | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 20.017               | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 20.184               | /     | Pass    |
|                  |         | 5260            | /  | /      | 1   | 20.329               | /     | Pass    |
|                  |         | 5300            | /  | /      | 1   | 19.929               | /     | Pass    |
|                  |         | 5320            | /  | /      | 1   | 20.123               | /     | Pass    |
|                  |         | 5500            | /  | /      | 1   | 20.173               | /     | Pass    |
|                  |         | 5580            | /  | /      | 1   | 20.325               | /     | Pass    |
|                  |         | 5700            | /  | /      | 1   | 20.003               | /     | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | /  | /      | 1   | 39.658               | /     | Pass    |
|                  |         | 5230            | /  | /      | 1   | 39.585               | /     | Pass    |
|                  |         | 5270            | /  | /      | 1   | 40.062               | /     | Pass    |
|                  |         | 5310            | /  | /      | 1   | 39.597               | /     | Pass    |
|                  |         | 5510            | /  | /      | 1   | 39.582               | /     | Pass    |
|                  |         | 5550            | /  | /      | 1   | 39.741               | /     | Pass    |
|                  |         | 5670            | /  | /      | 1   | 39.489               | /     | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | /  | /      | 1   | 20.386               | /     | Pass    |
|                  |         | 5200            | /  | /      | 1   | 20.461               | /     | Pass    |
|                  |         | 5240            | /  | /      | 1   | 20.336               | /     | Pass    |
|                  |         | 5260            | /  | /      | 1   | 20.242               | /     | Pass    |
|                  |         | 5300            | /  | /      | 1   | 20.279               | /     | Pass    |
|                  |         | 5320            | /  | /      | 1   | 20.514               | /     | Pass    |
|                  |         | 5500            | /  | /      | 1   | 20.179               | /     | Pass    |
|                  |         | 5580            | /  | /      | 1   | 20.219               | /     | Pass    |



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240400117605

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|                      |      |      |         |      |   |         |   |      |
|----------------------|------|------|---------|------|---|---------|---|------|
|                      |      | 5700 | /       | /    | 1 | 20.224  | / | Pass |
| 802.11ac<br>(VHT40)  | MIMO | 5190 | /       | /    | 1 | 40.181  | / | Pass |
|                      |      | 5230 | /       | /    | 1 | 39.883  | / | Pass |
|                      |      | 5270 | /       | /    | 1 | 39.992  | / | Pass |
|                      |      | 5310 | /       | /    | 1 | 39.732  | / | Pass |
|                      |      | 5510 | /       | /    | 1 | 39.755  | / | Pass |
|                      |      | 5550 | /       | /    | 1 | 39.288  | / | Pass |
|                      |      | 5670 | /       | /    | 1 | 39.711  | / | Pass |
| 802.11ac<br>(VHT80)  | MIMO | 5210 | /       | /    | 1 | 81.990  | / | Pass |
|                      |      | 5290 | /       | /    | 1 | 82.419  | / | Pass |
|                      |      | 5530 | /       | /    | 1 | 82.003  | / | Pass |
|                      |      | 5610 | /       | /    | 1 | 81.690  | / | Pass |
| 802.11ac<br>(VHT160) | MIMO | 5570 | /       | /    | 1 | 165.815 | / | Pass |
|                      |      | 5250 | /       | /    | 1 | 164.801 | / | Pass |
| 802.11ax<br>(HEW20)  | MIMO | 5180 | RU242   | Left | 1 | 21.206  | / | Pass |
|                      |      | 5200 | RU242   | Left | 1 | 20.933  | / | Pass |
|                      |      | 5240 | RU242   | Left | 1 | 20.929  | / | Pass |
|                      |      | 5260 | RU242   | Left | 1 | 21.262  | / | Pass |
|                      |      | 5300 | RU242   | Left | 1 | 21.069  | / | Pass |
|                      |      | 5320 | RU242   | Left | 1 | 21.019  | / | Pass |
|                      |      | 5500 | RU242   | Left | 1 | 20.971  | / | Pass |
|                      |      | 5580 | RU242   | Left | 1 | 20.816  | / | Pass |
|                      |      | 5700 | RU242   | Left | 1 | 20.902  | / | Pass |
| 802.11ax<br>(HEW40)  | MIMO | 5190 | RU484   | Left | 1 | 40.372  | / | Pass |
|                      |      | 5230 | RU484   | Left | 1 | 40.517  | / | Pass |
|                      |      | 5270 | RU484   | Left | 1 | 40.703  | / | Pass |
|                      |      | 5310 | RU484   | Left | 1 | 40.646  | / | Pass |
|                      |      | 5510 | RU484   | Left | 1 | 40.151  | / | Pass |
|                      |      | 5550 | RU484   | Left | 1 | 40.692  | / | Pass |
|                      |      | 5670 | RU484   | Left | 1 | 40.795  | / | Pass |
| 802.11ax<br>(HEW80)  | MIMO | 5210 | RU996   | Left | 1 | 81.650  | / | Pass |
|                      |      | 5290 | RU996   | Left | 1 | 82.380  | / | Pass |
|                      |      | 5530 | RU996   | Left | 1 | 82.341  | / | Pass |
|                      |      | 5610 | RU996   | Left | 1 | 81.713  | / | Pass |
| 802.11ax<br>(HEW160) | MIMO | 5570 | 2xRU996 | Left | 1 | 165.612 | / | Pass |
|                      |      | 5250 | 2xRU996 | Left | 1 | 165.072 | / | Pass |



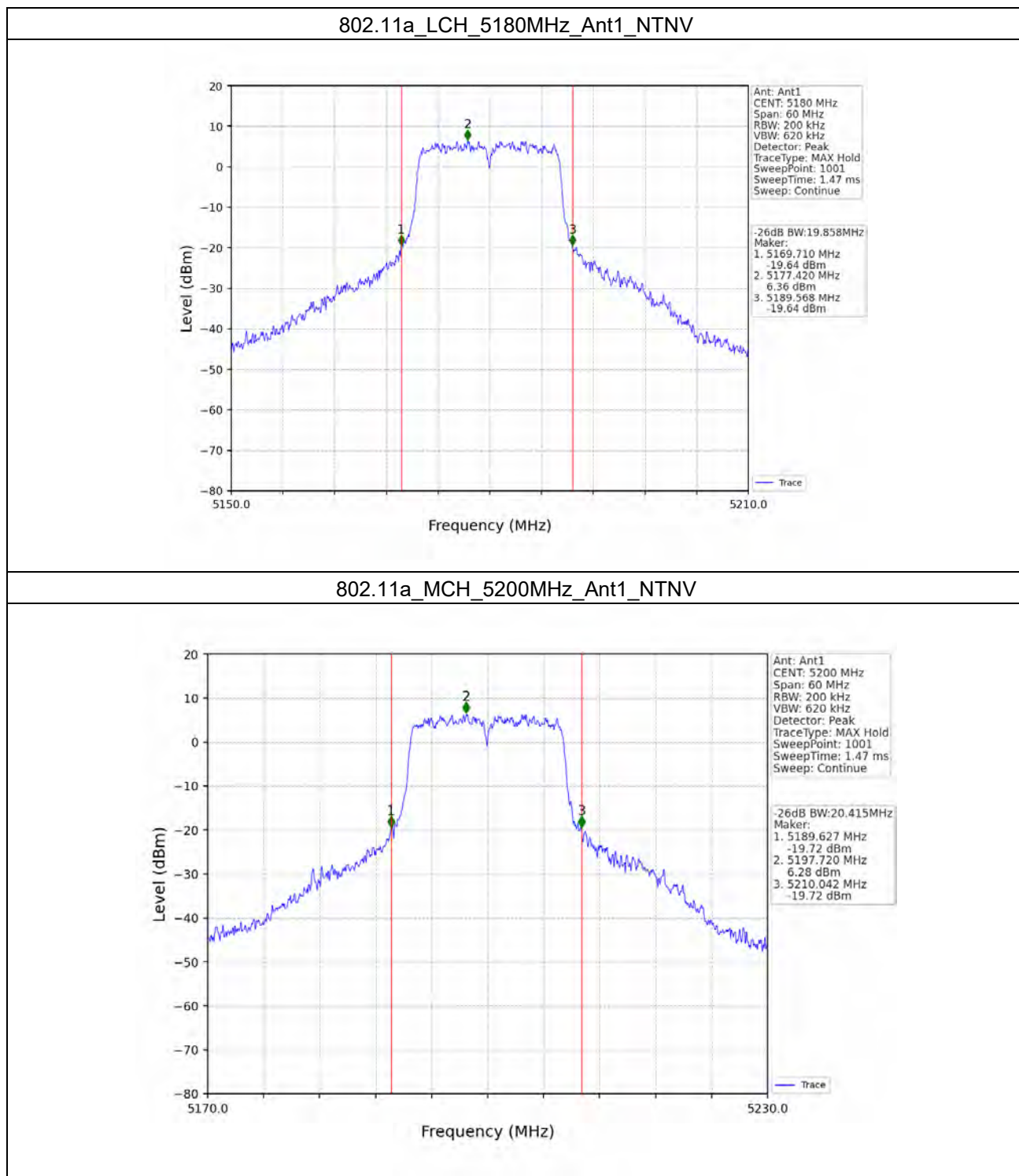
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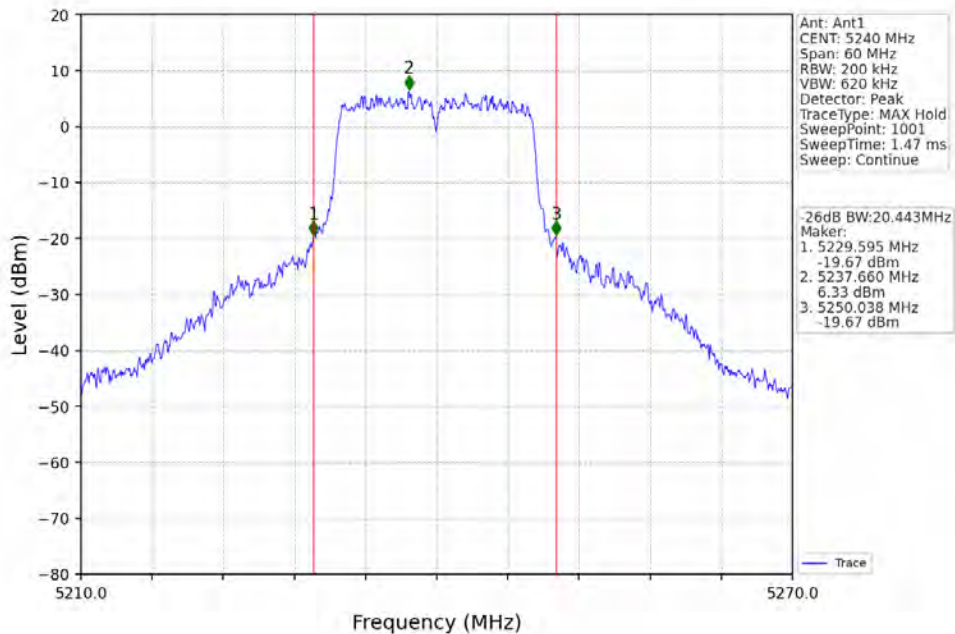
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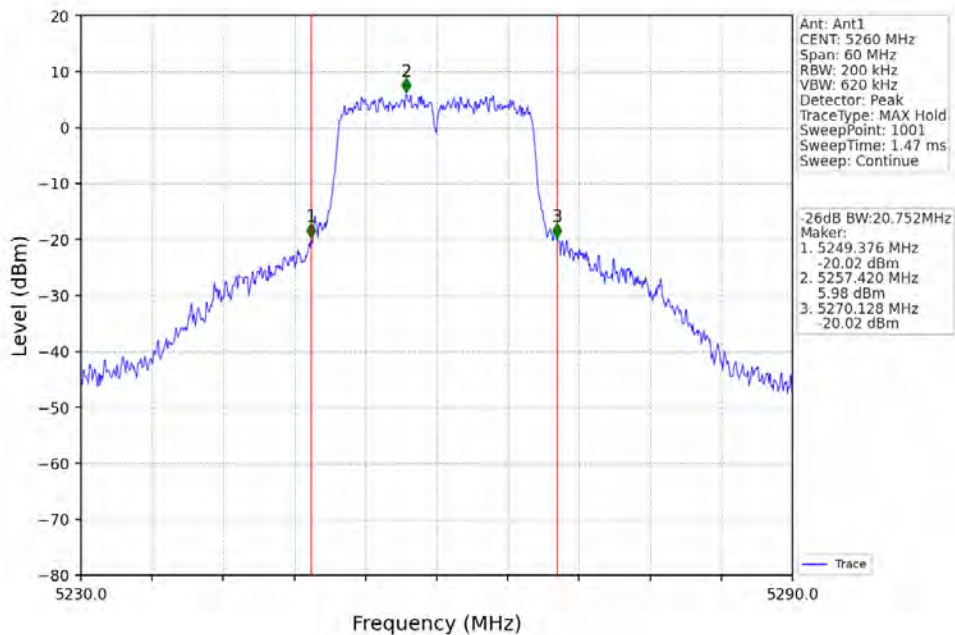
### 2.3.2 Test Graph



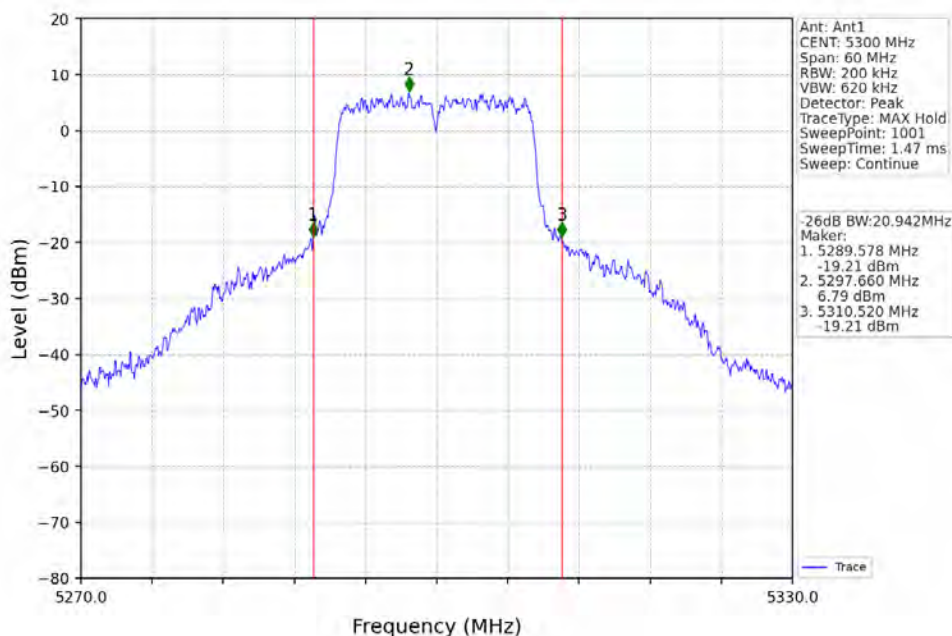
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



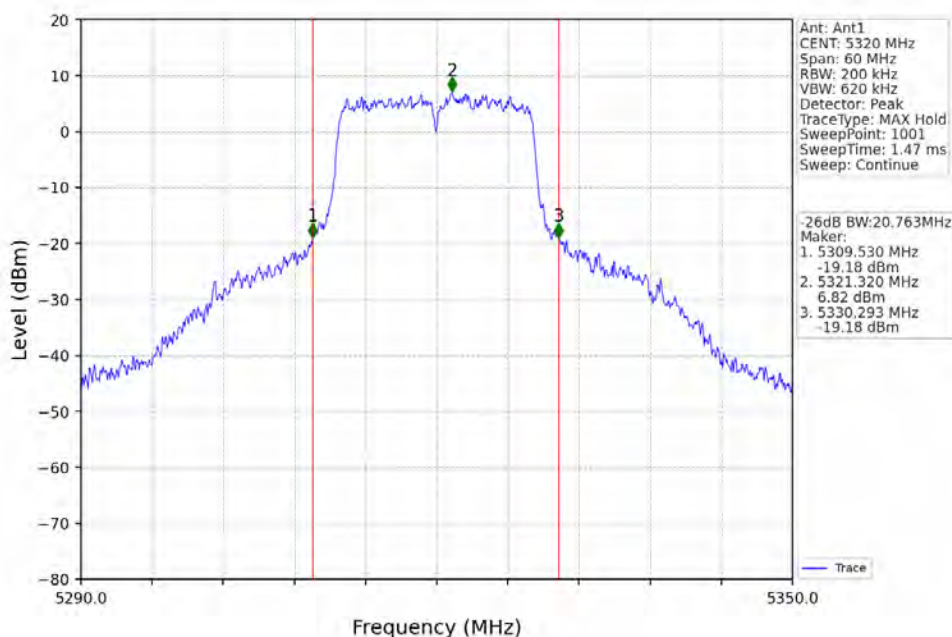
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



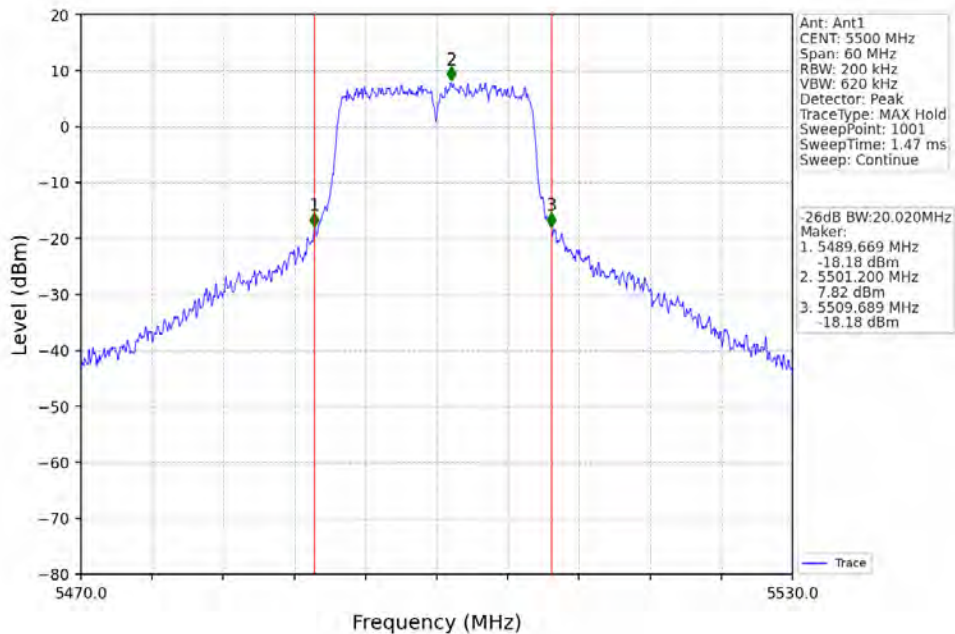
802.11a\_MCH\_5300MHz\_Ant1\_NTNV



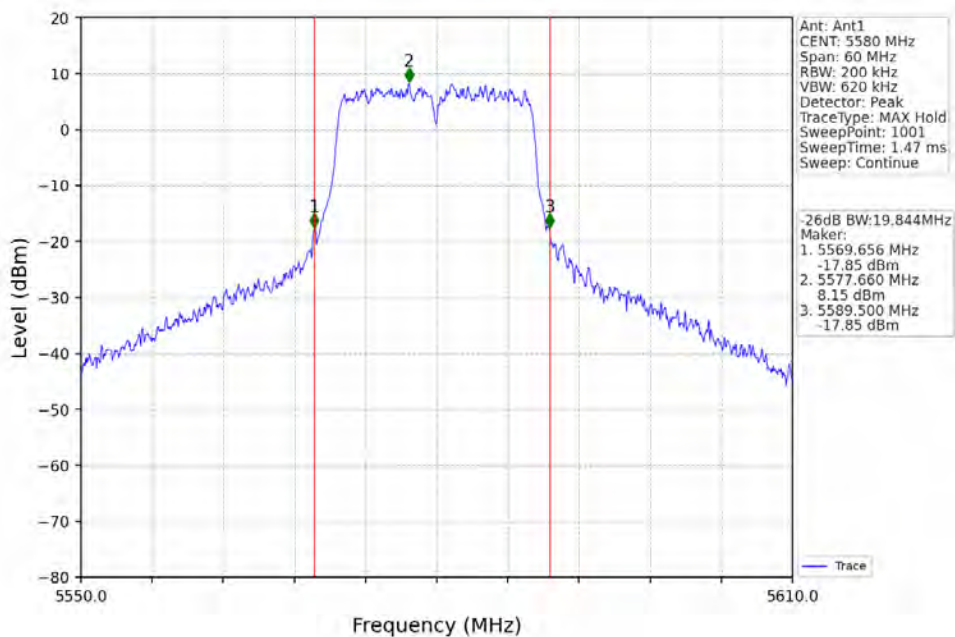
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



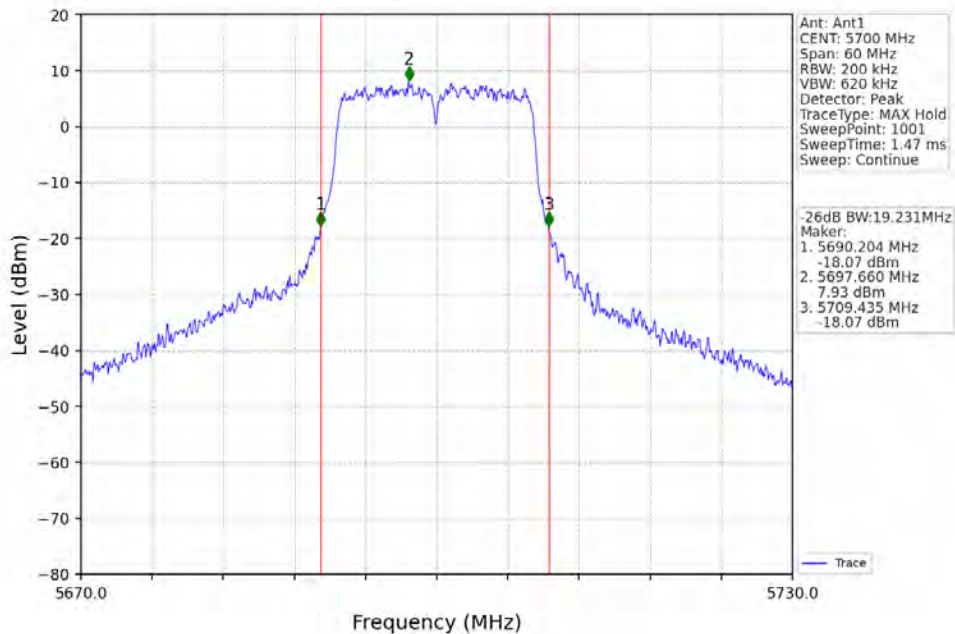
802.11a\_LCH\_5500MHz\_Ant1\_NTNV



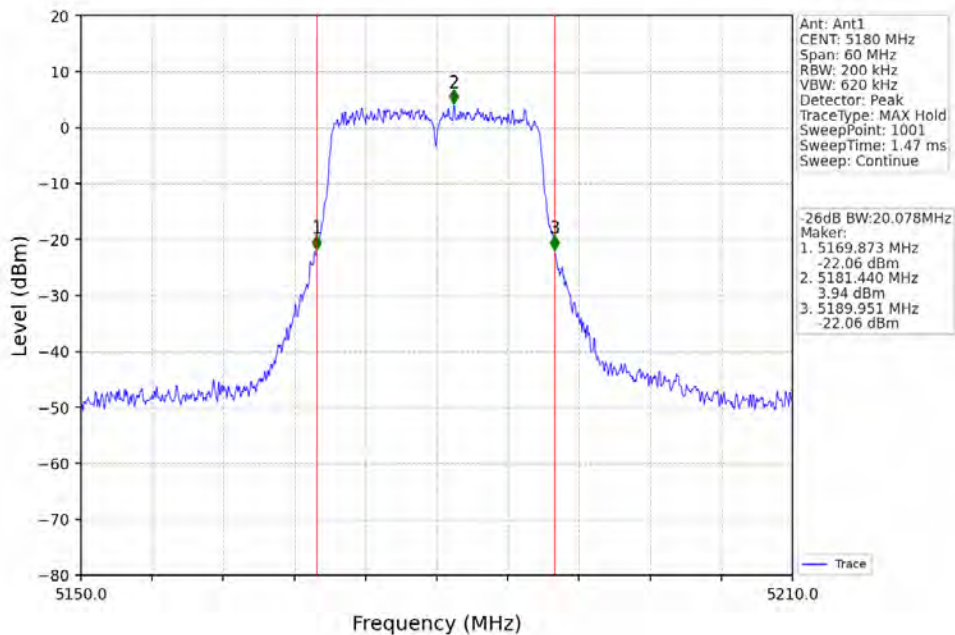
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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



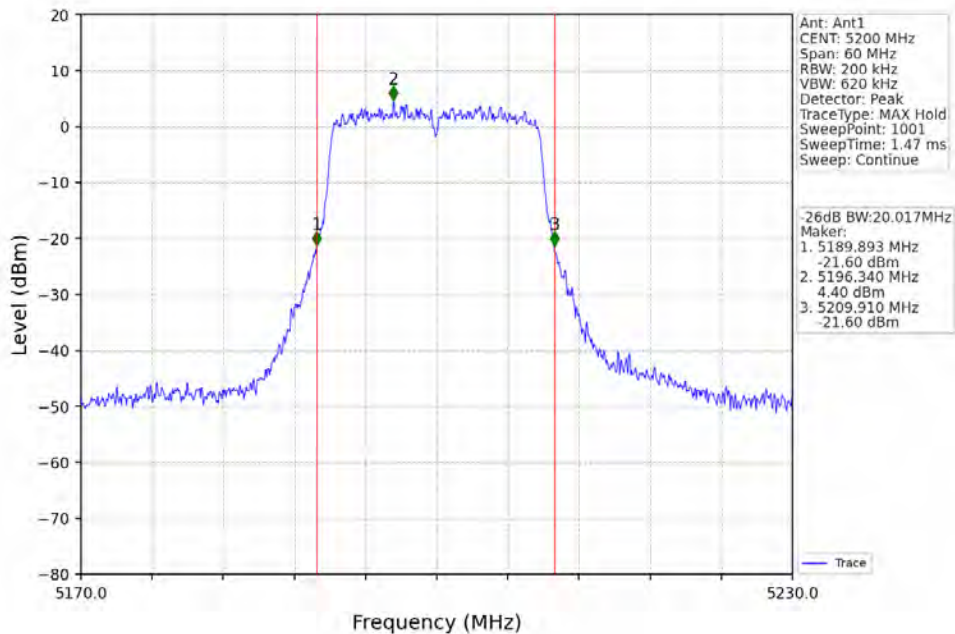
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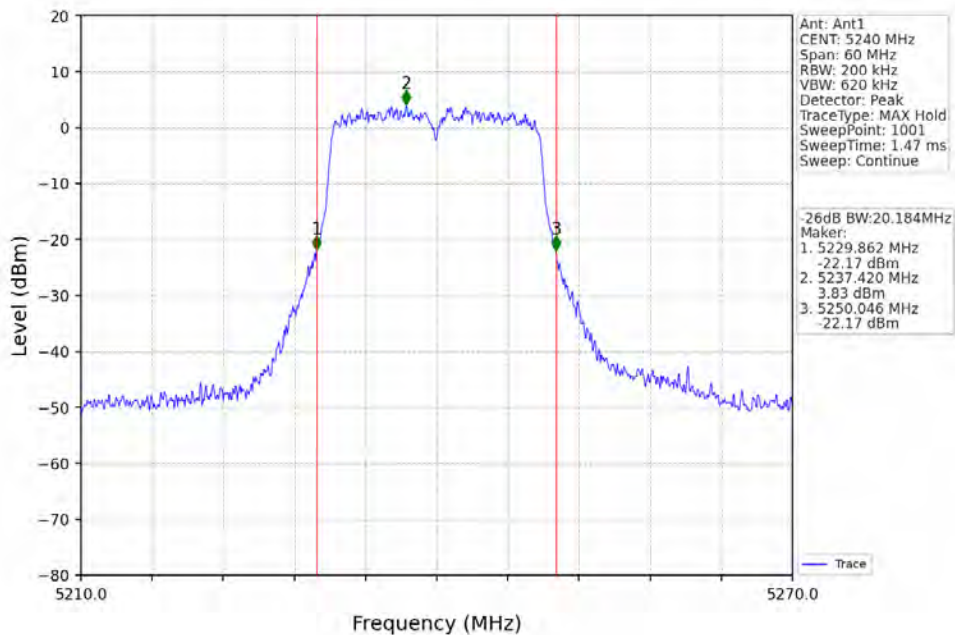
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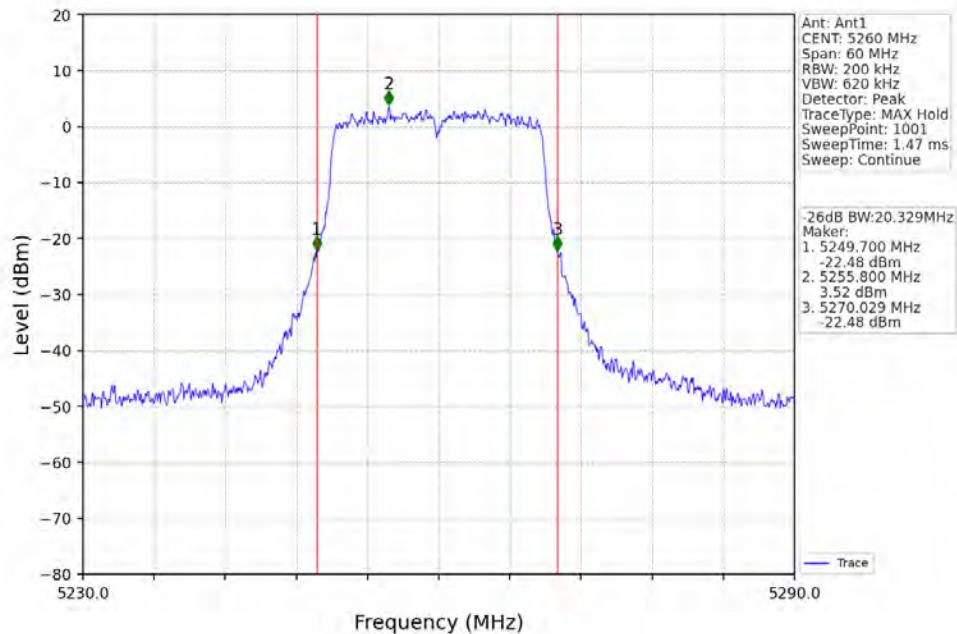
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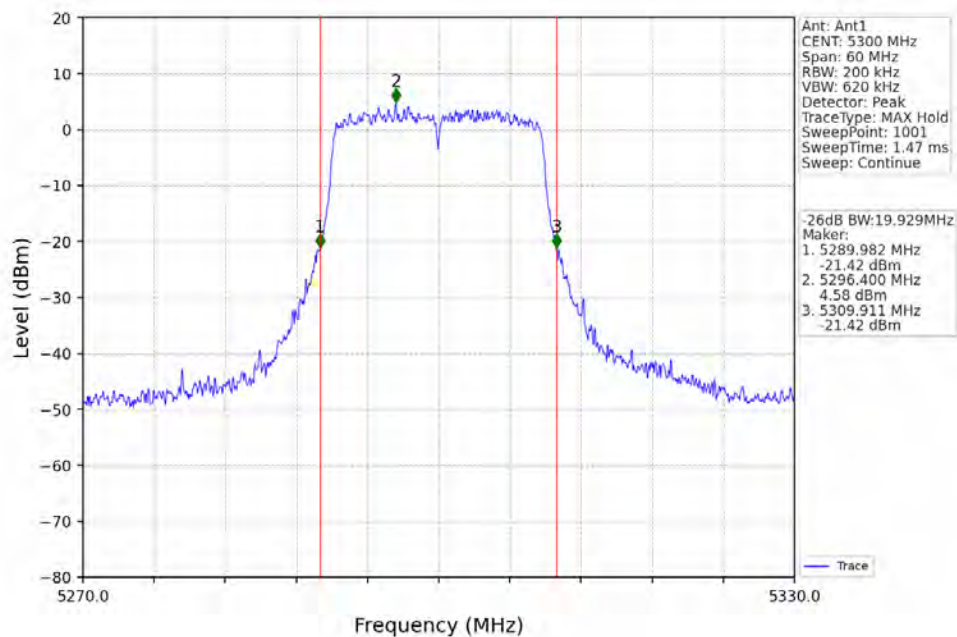
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



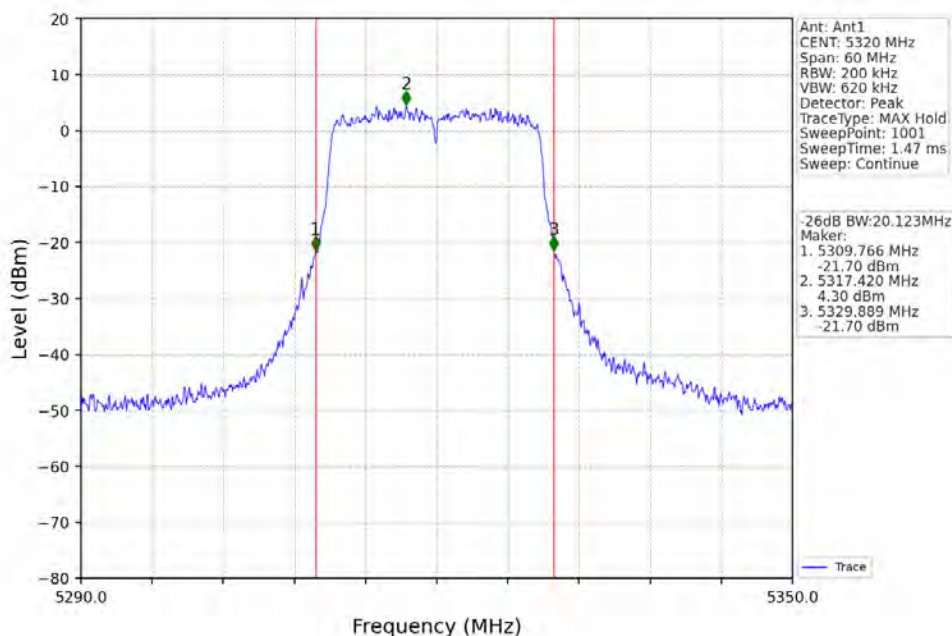
802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



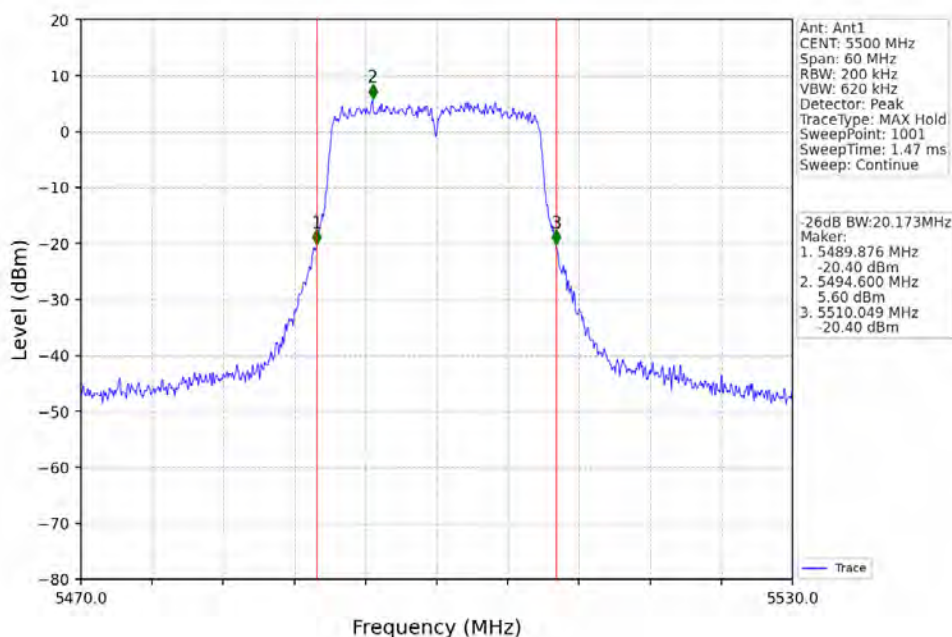
802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



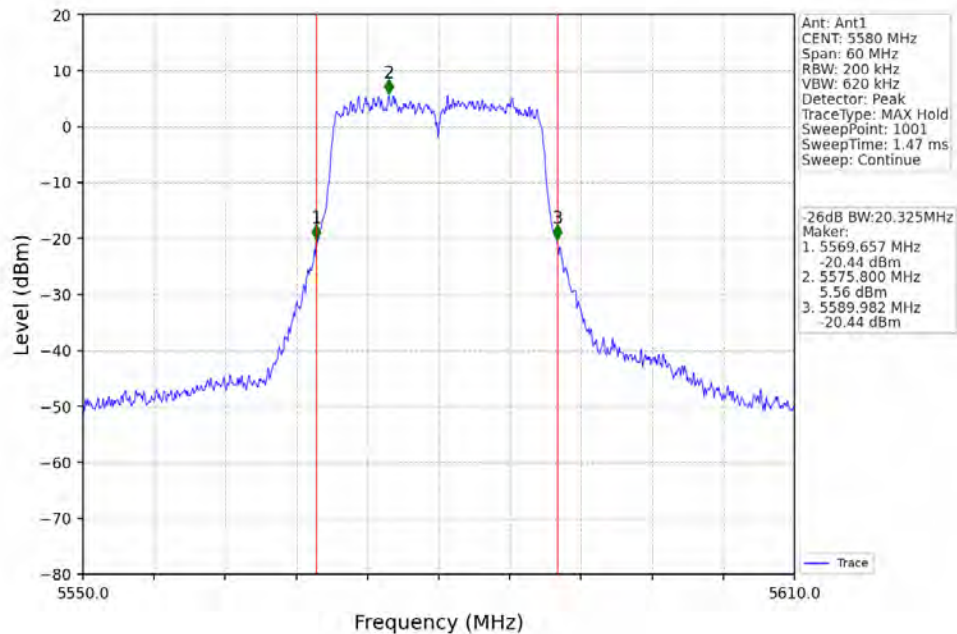
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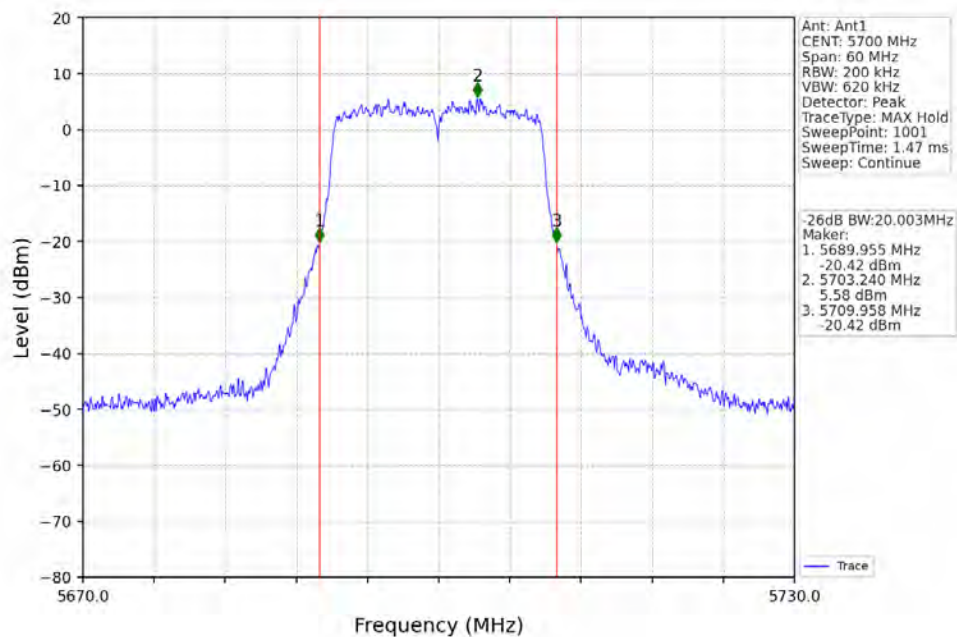
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802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



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



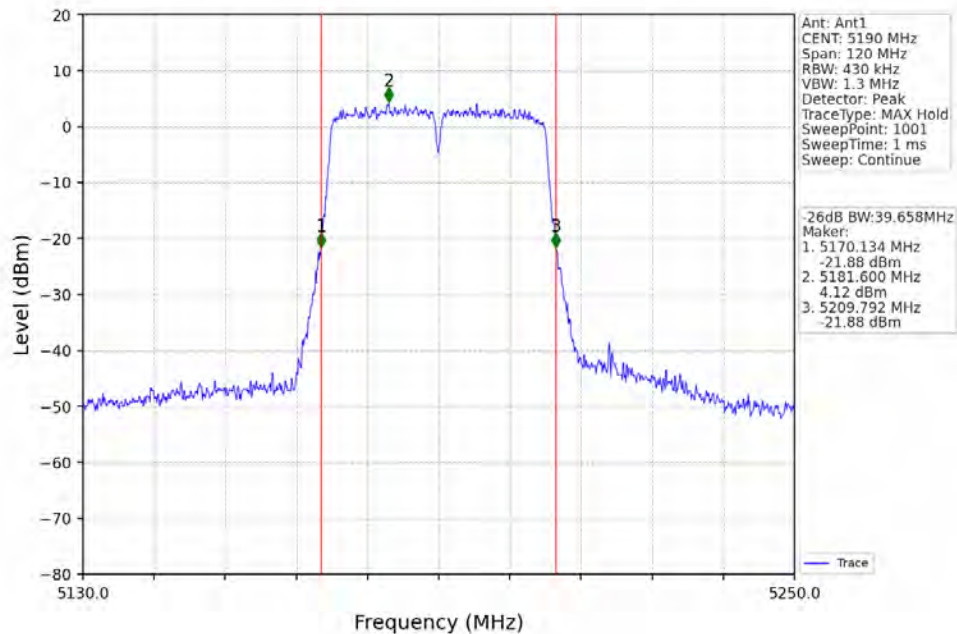
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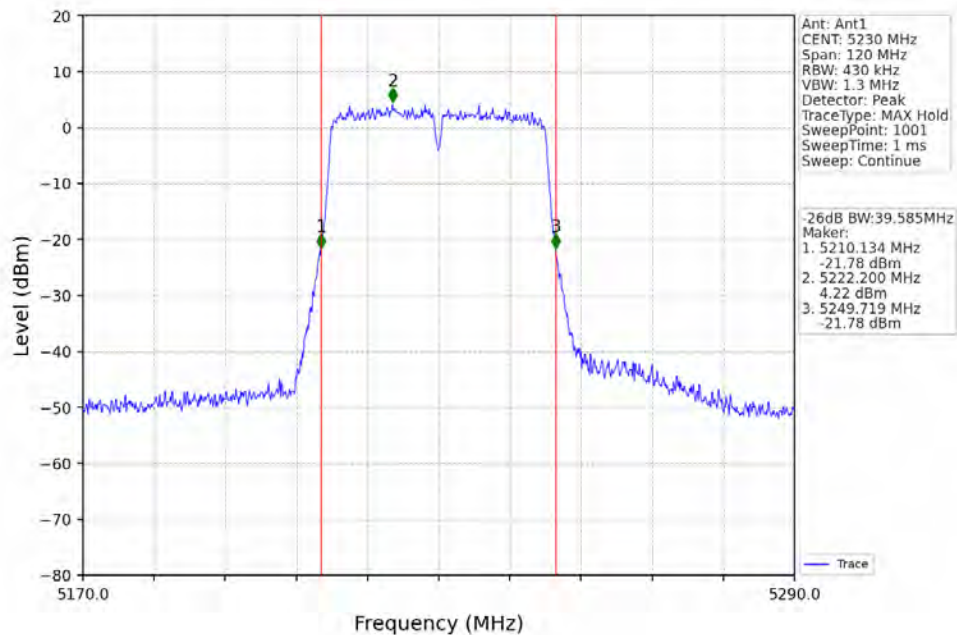
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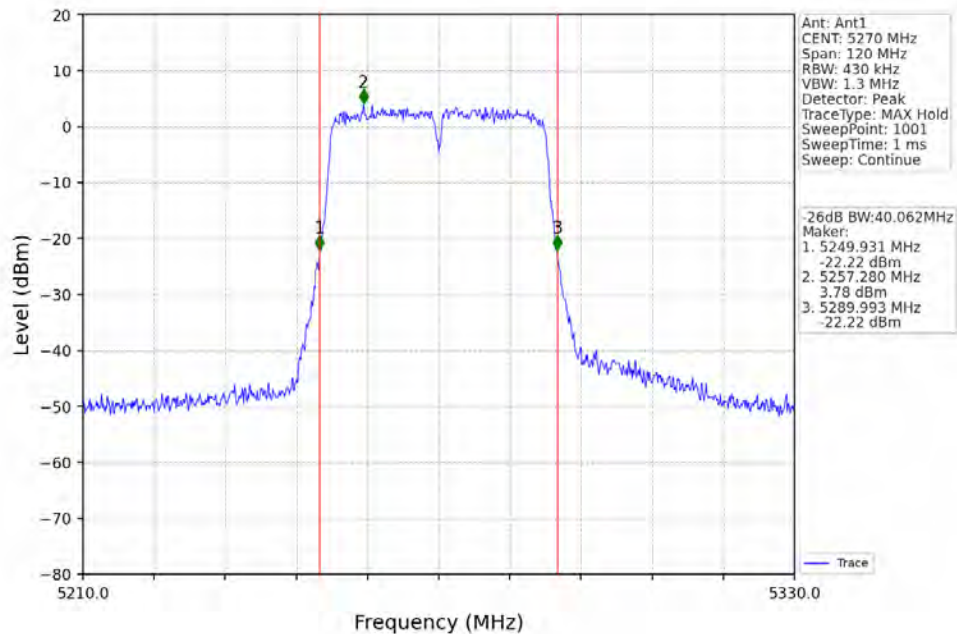
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



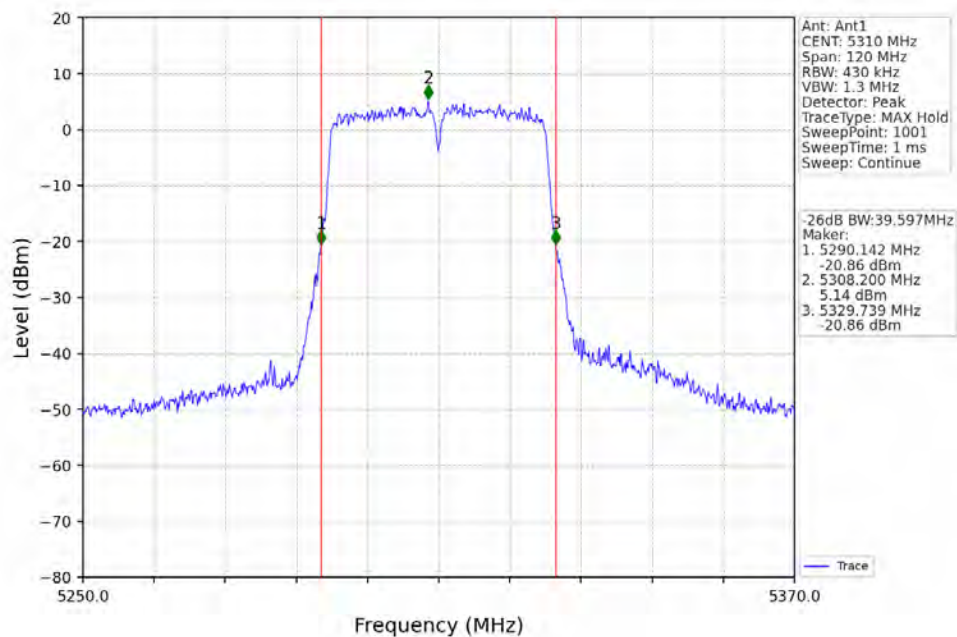
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



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



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



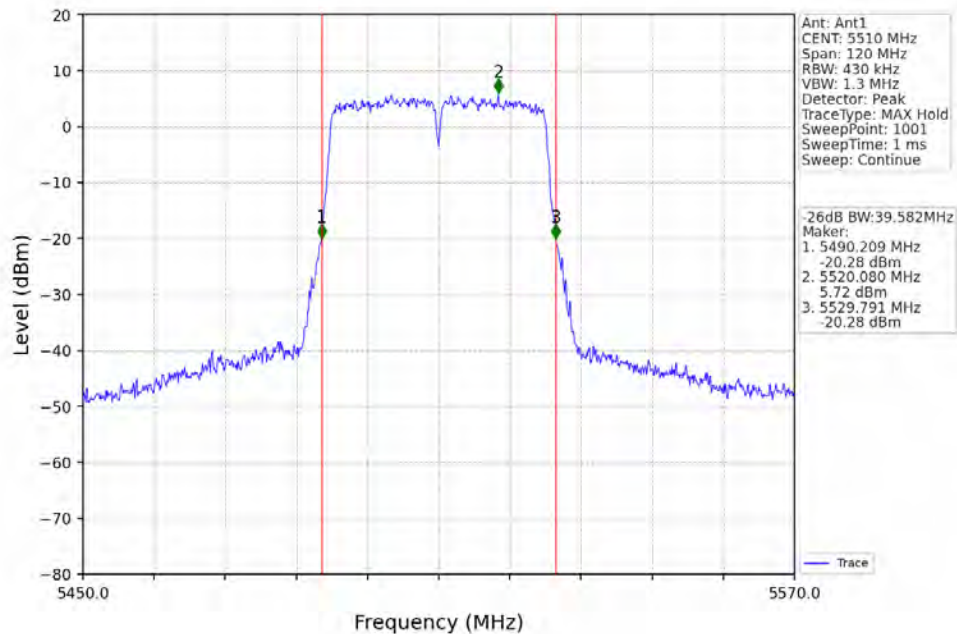
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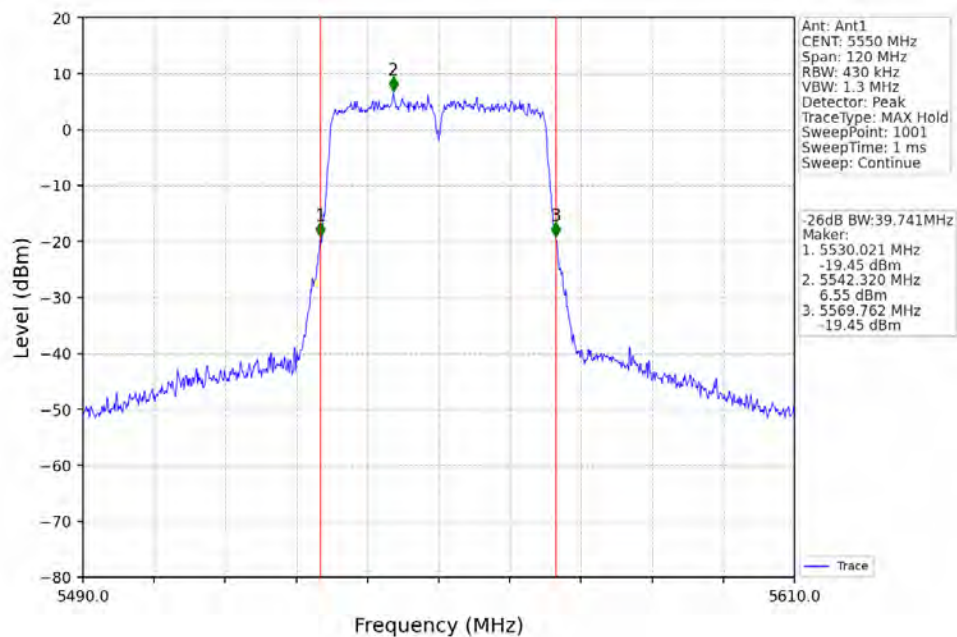
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802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



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



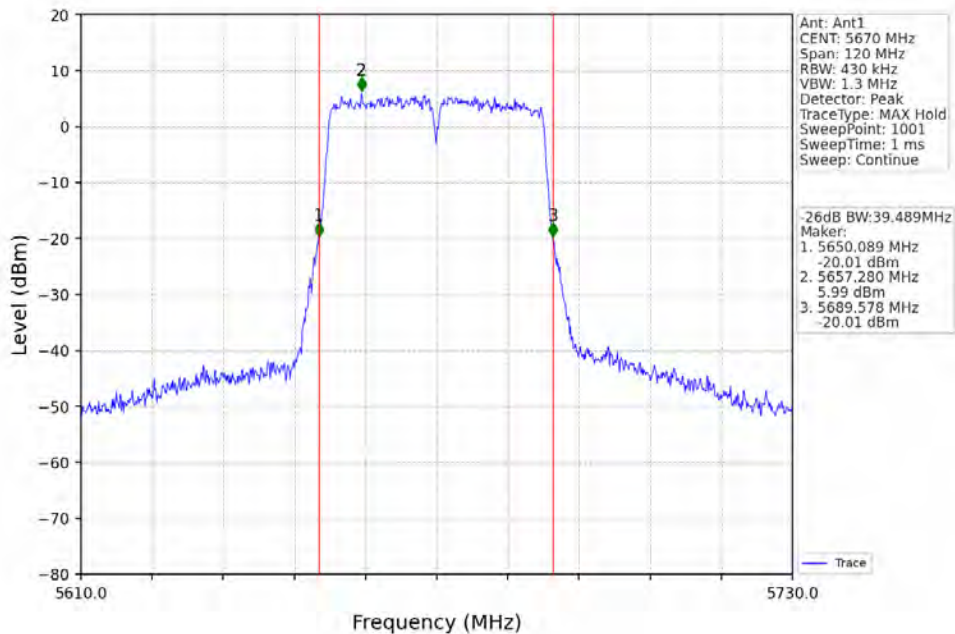
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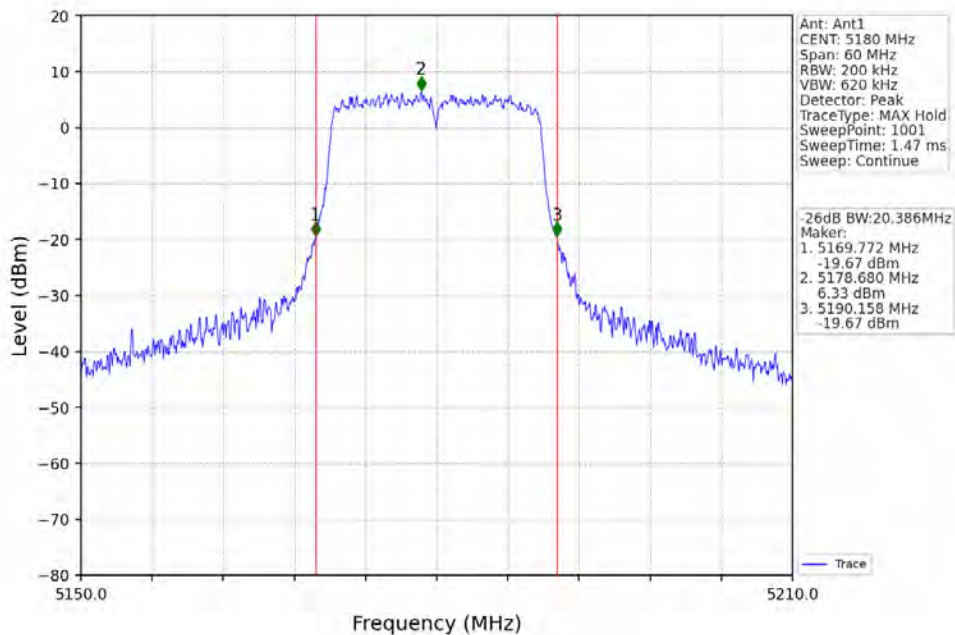
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### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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



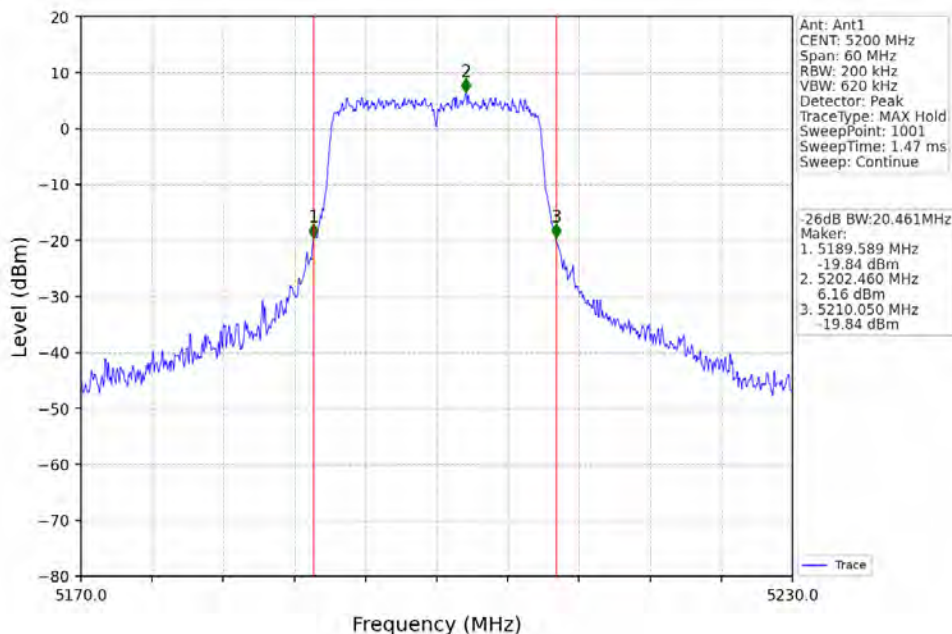
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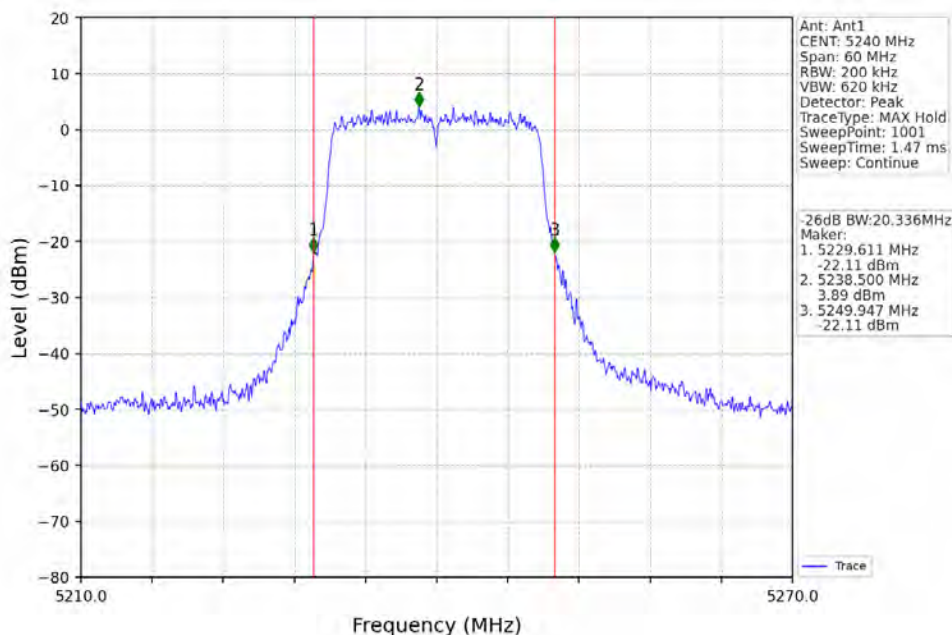
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



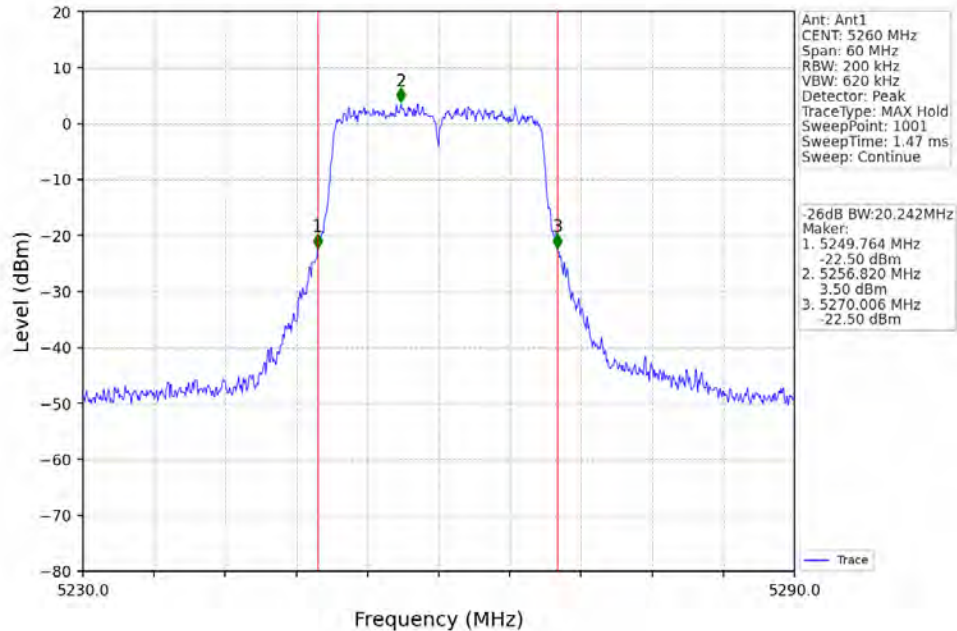
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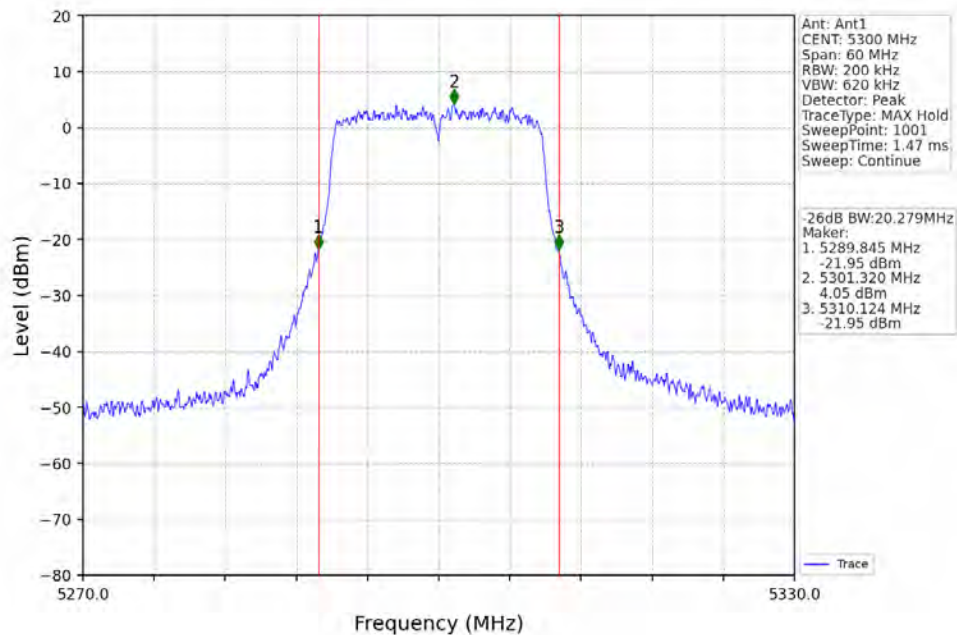
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802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV



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



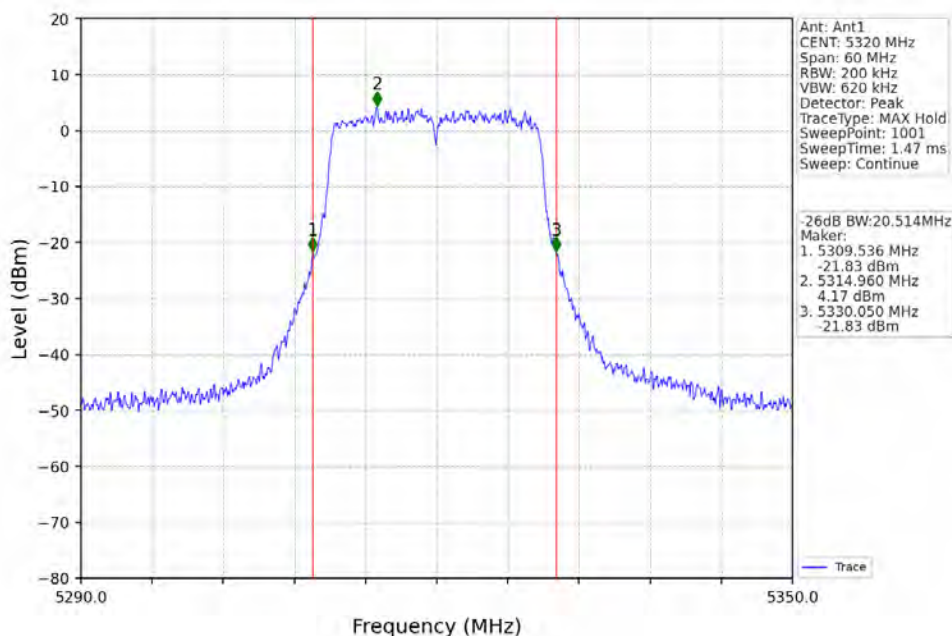
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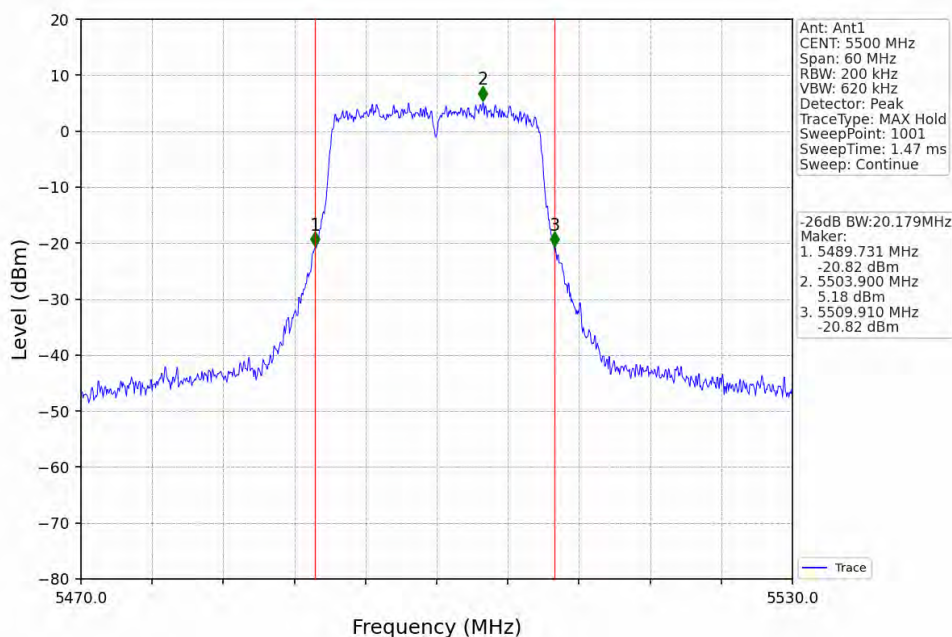
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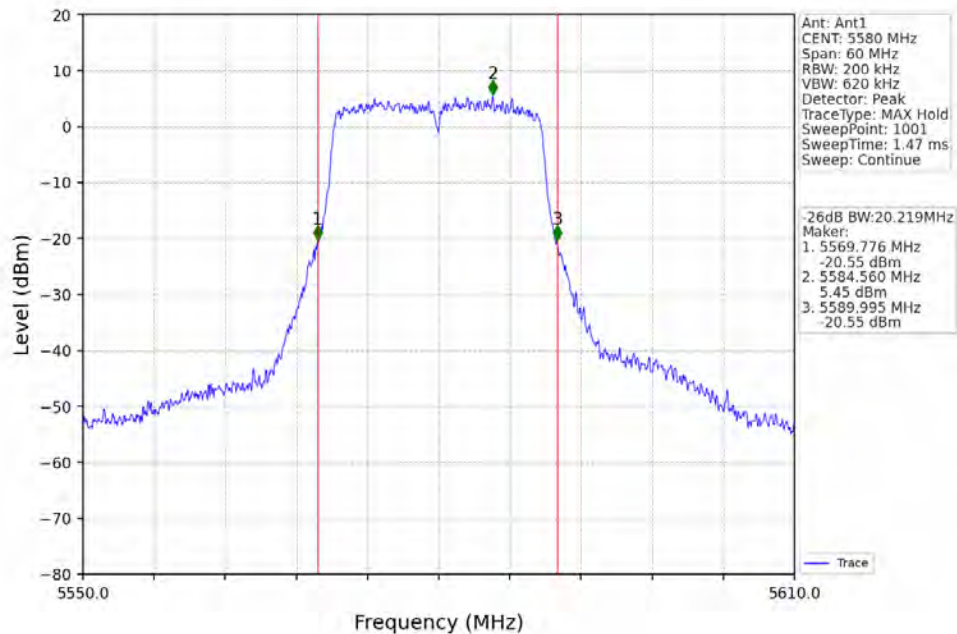
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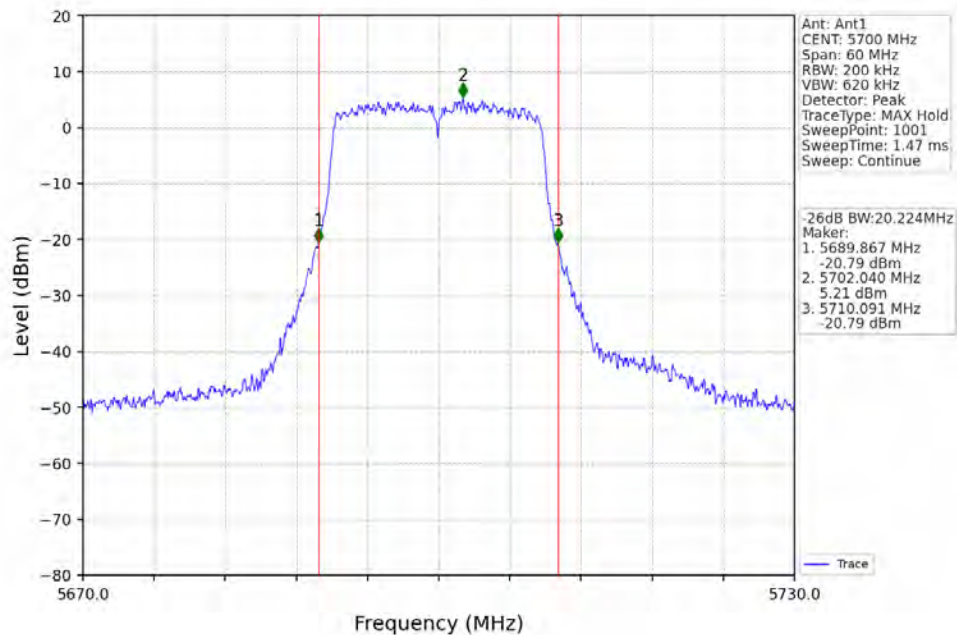
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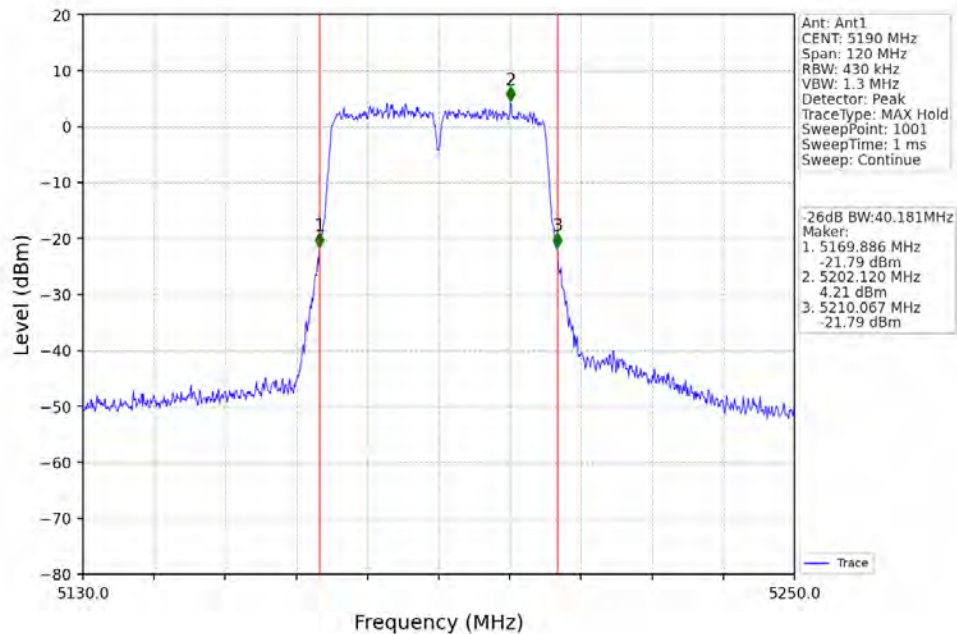
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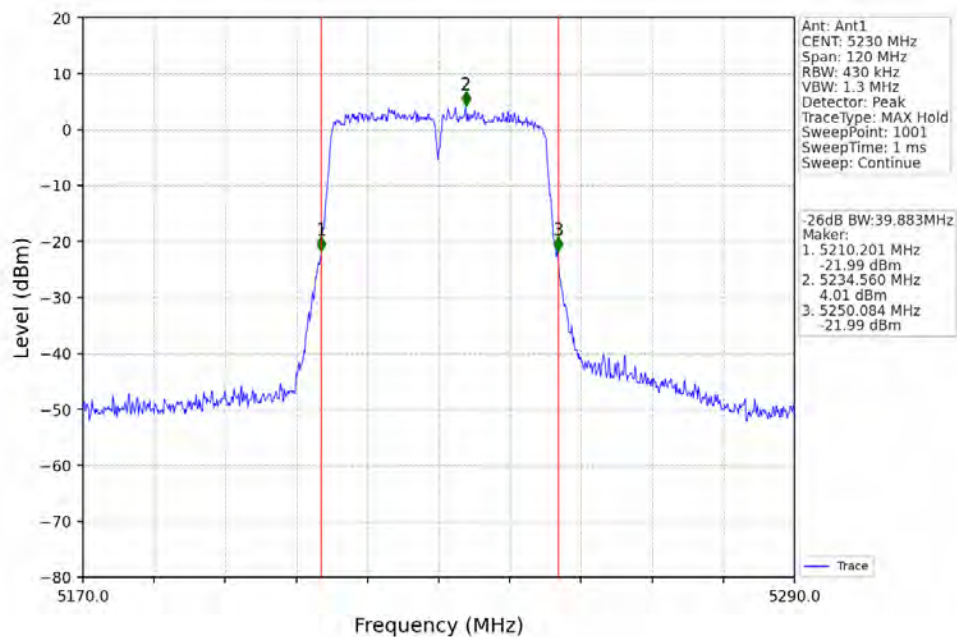
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



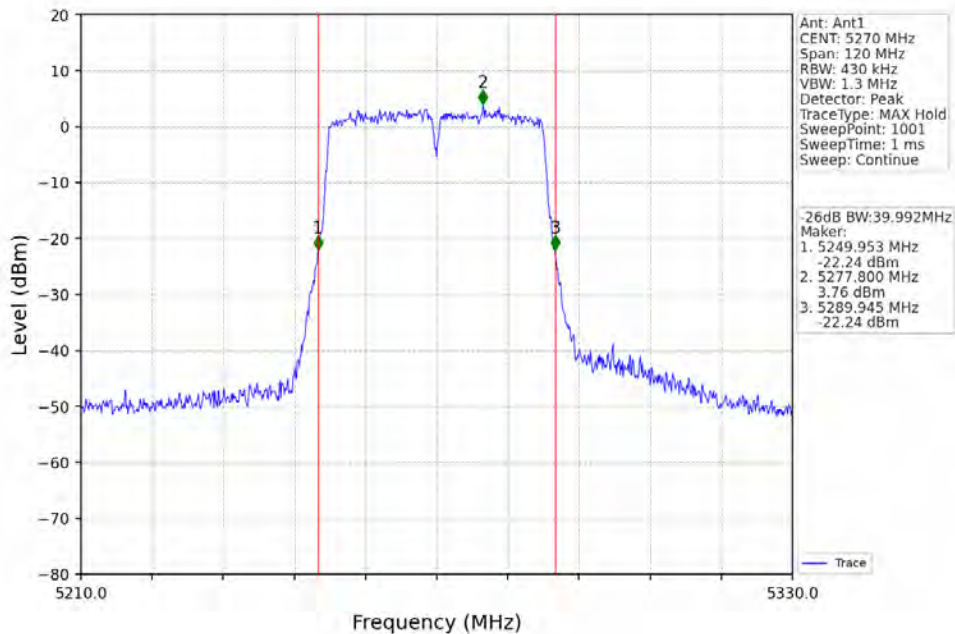
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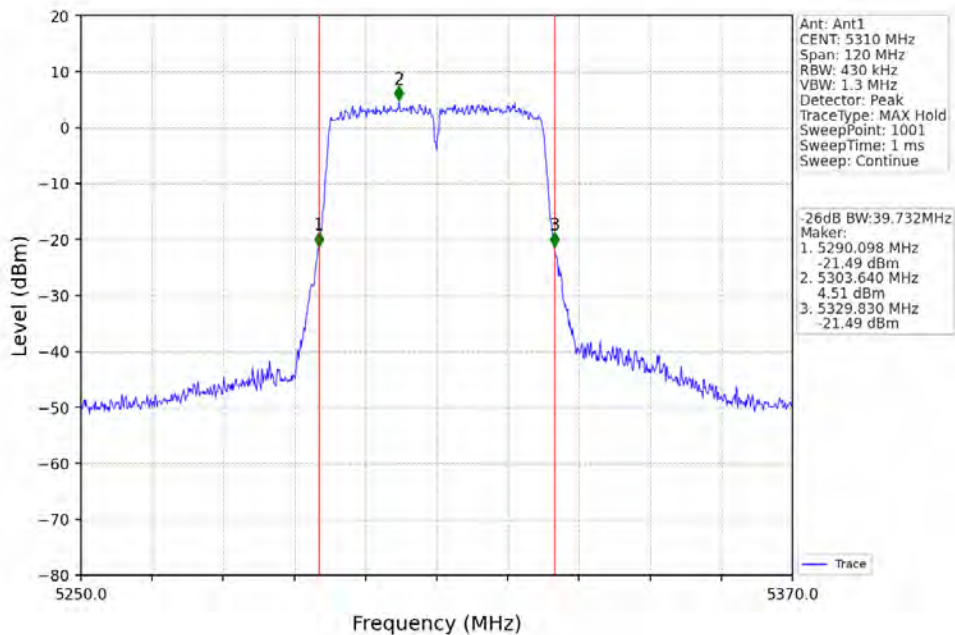
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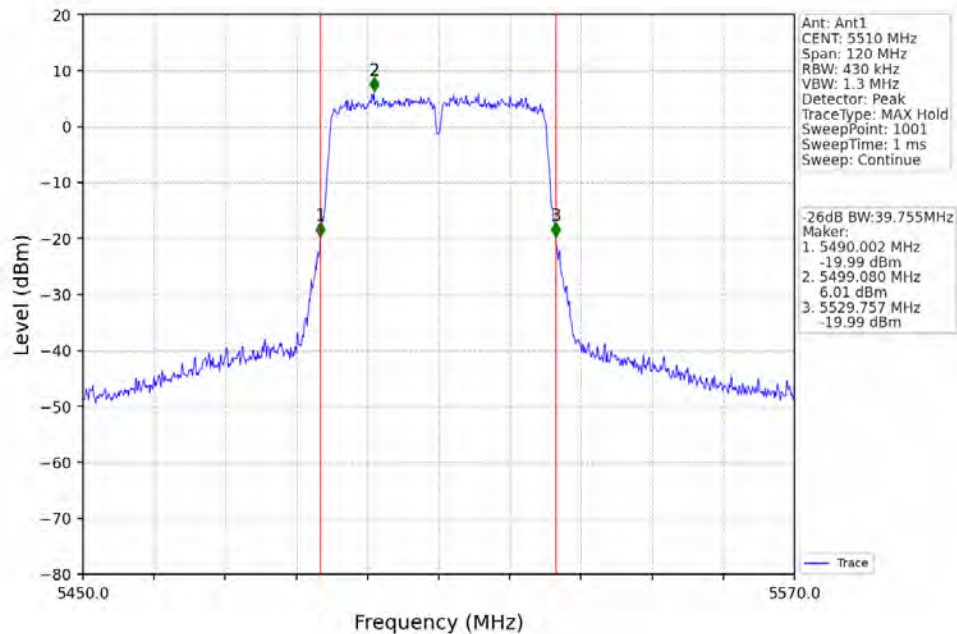
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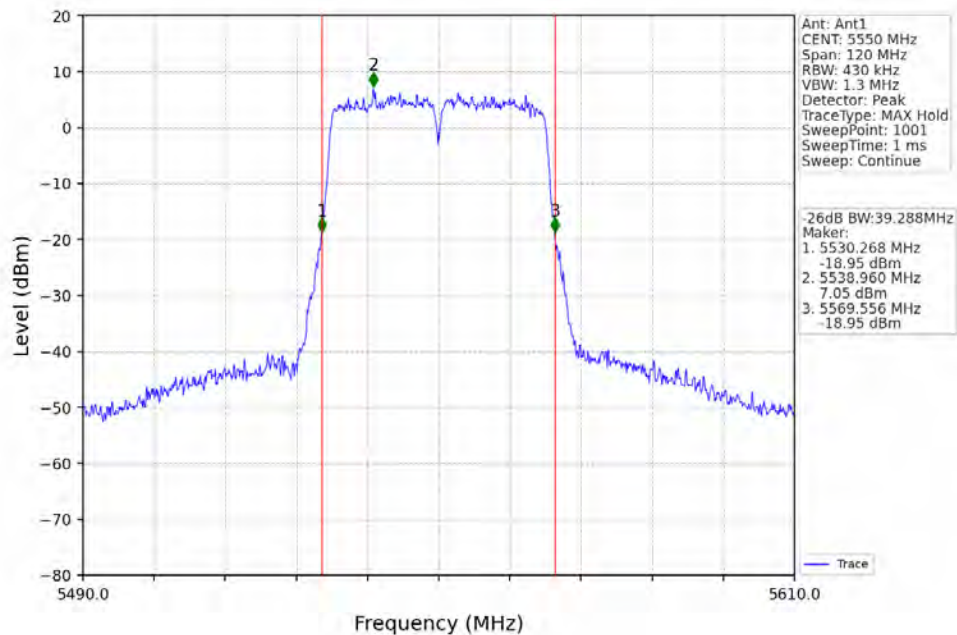
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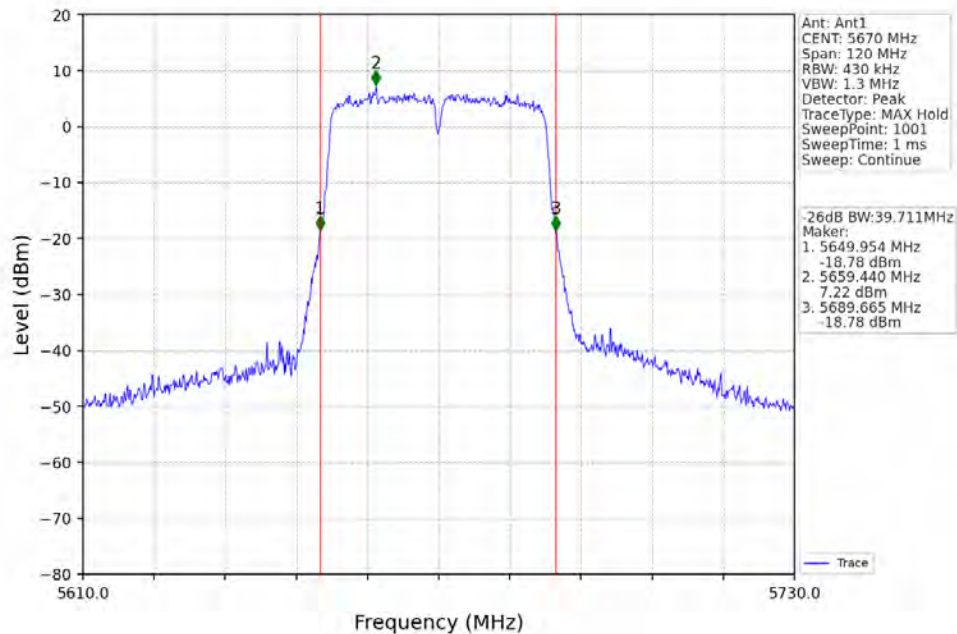
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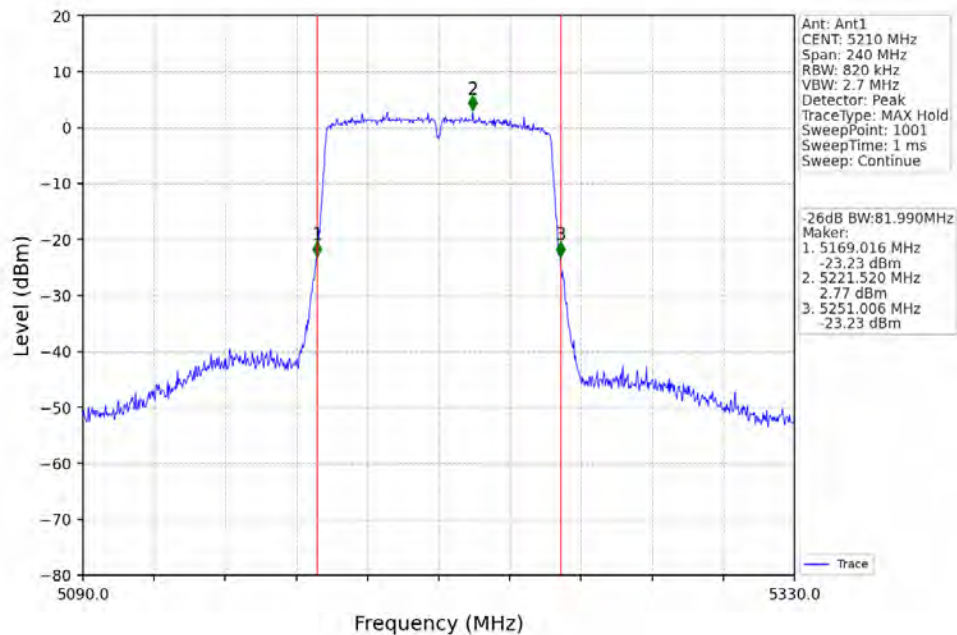
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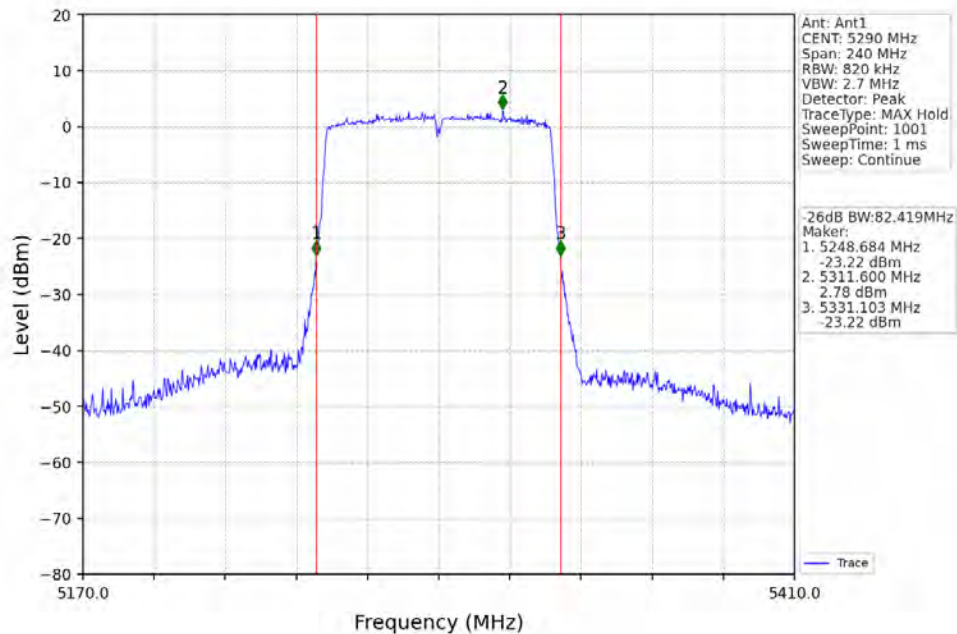
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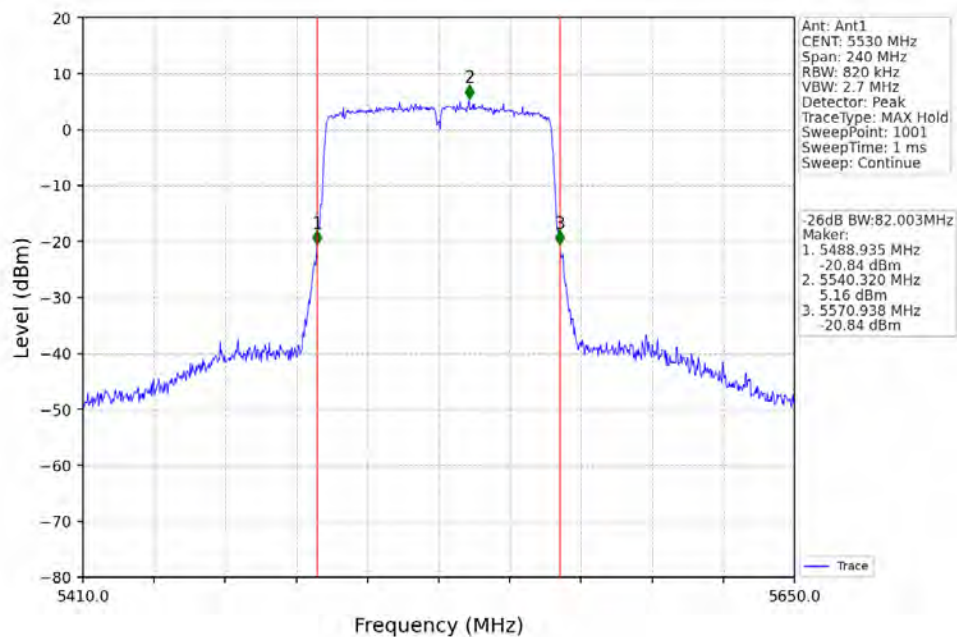
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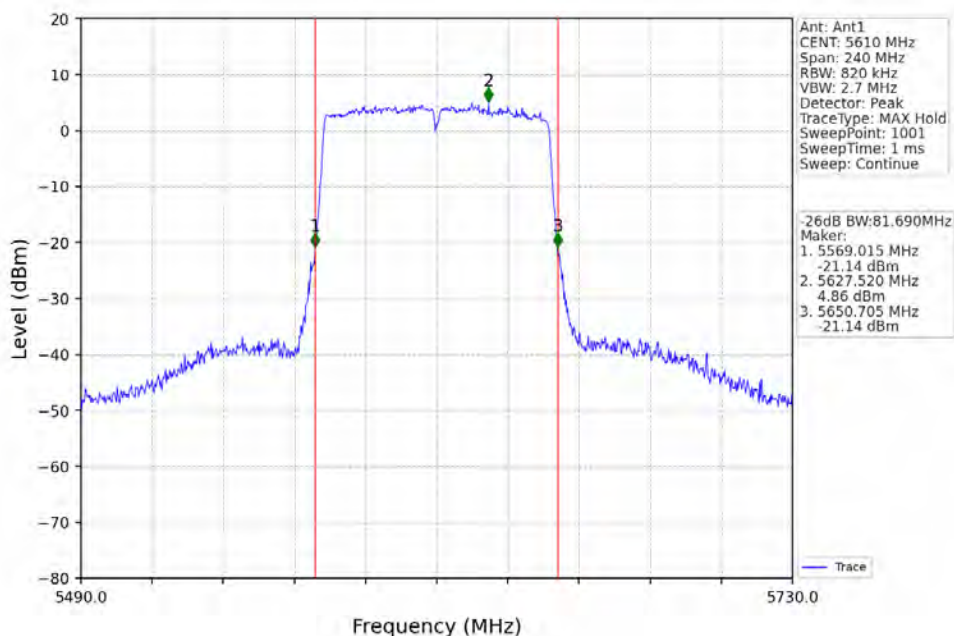
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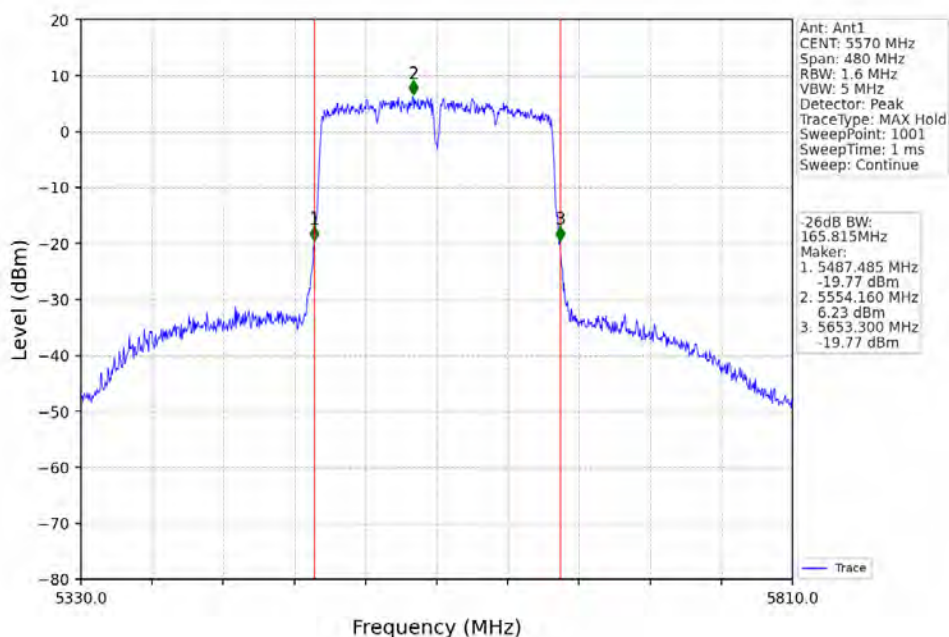
802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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



802.11ac(VHT160)\_MCH\_5570MHz\_Ant1\_NTNV



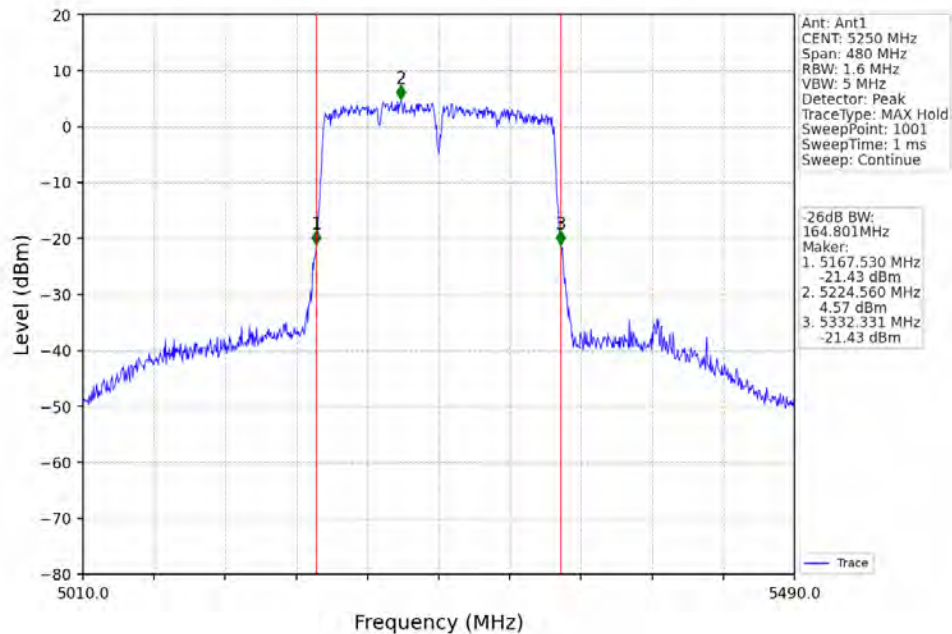
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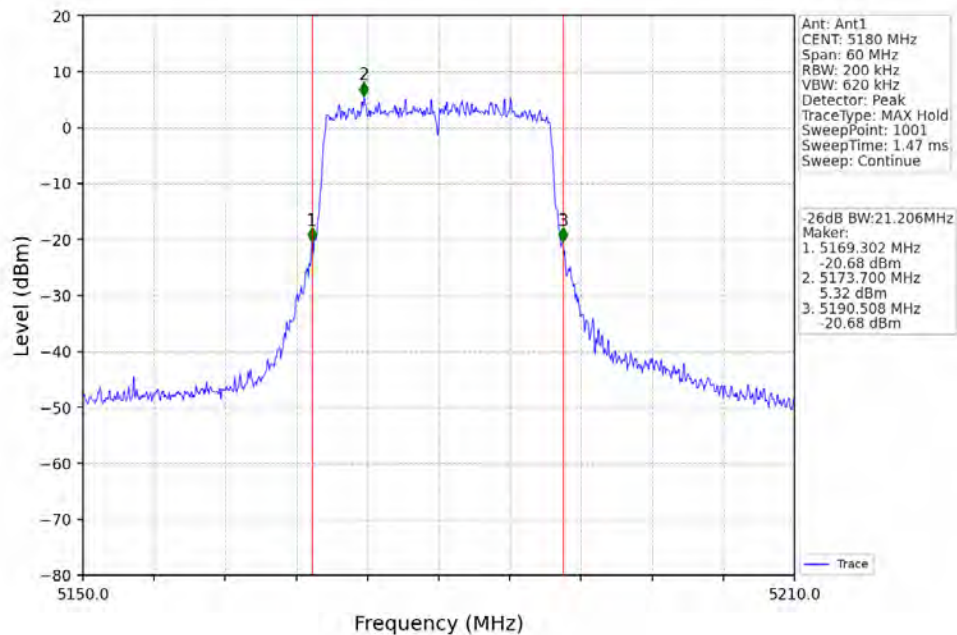
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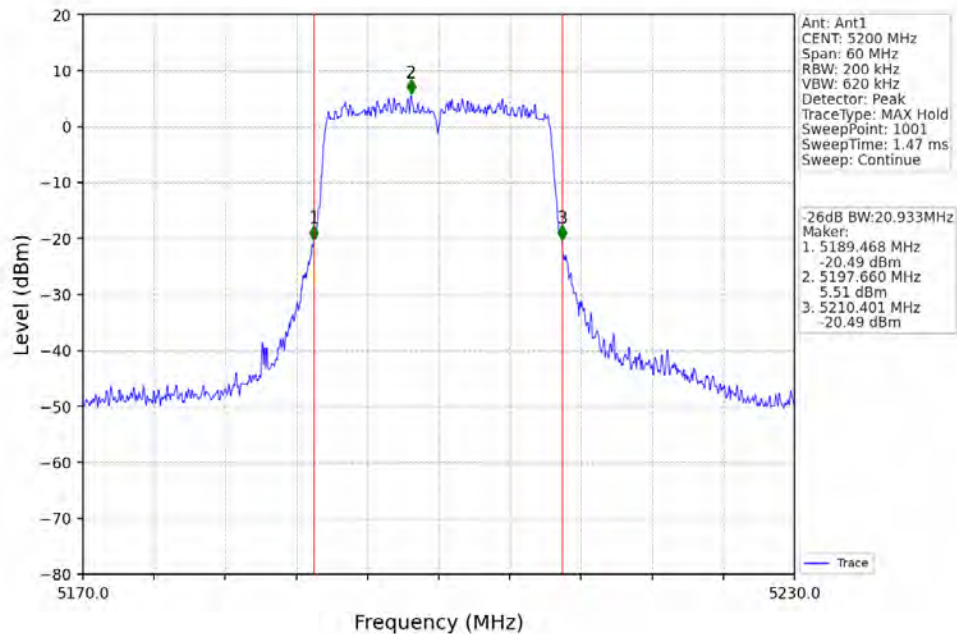
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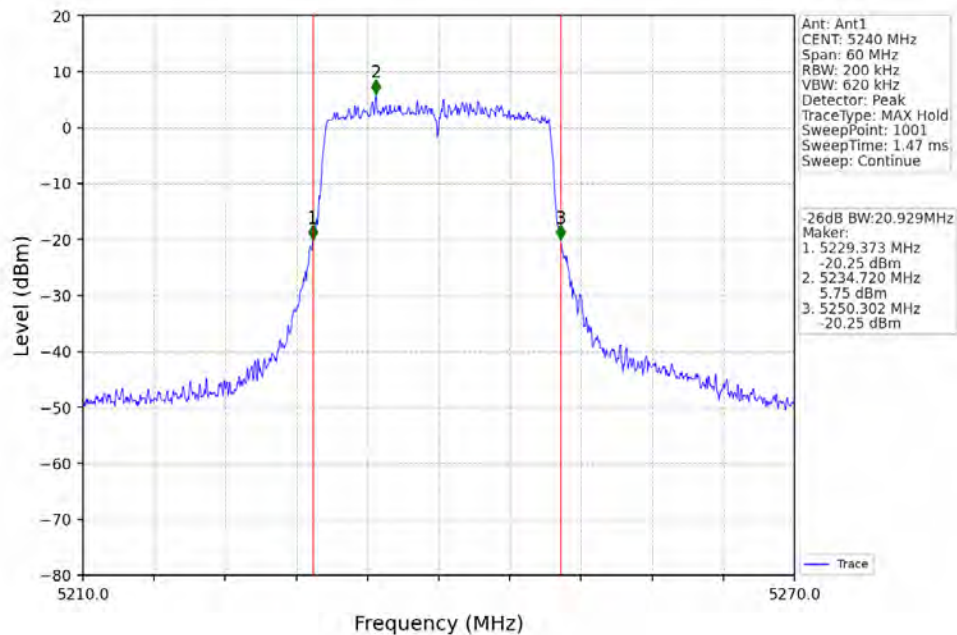
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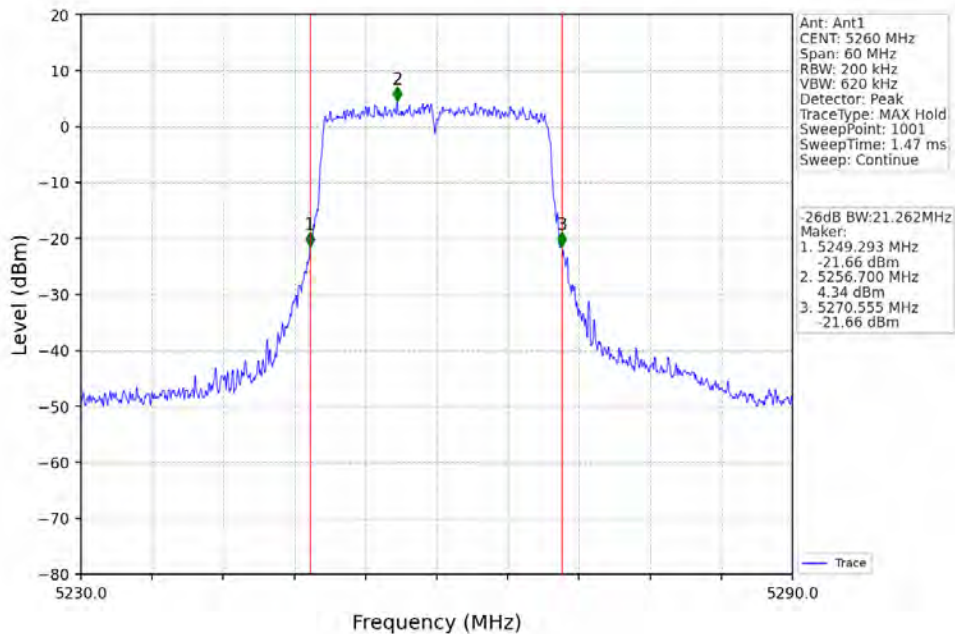
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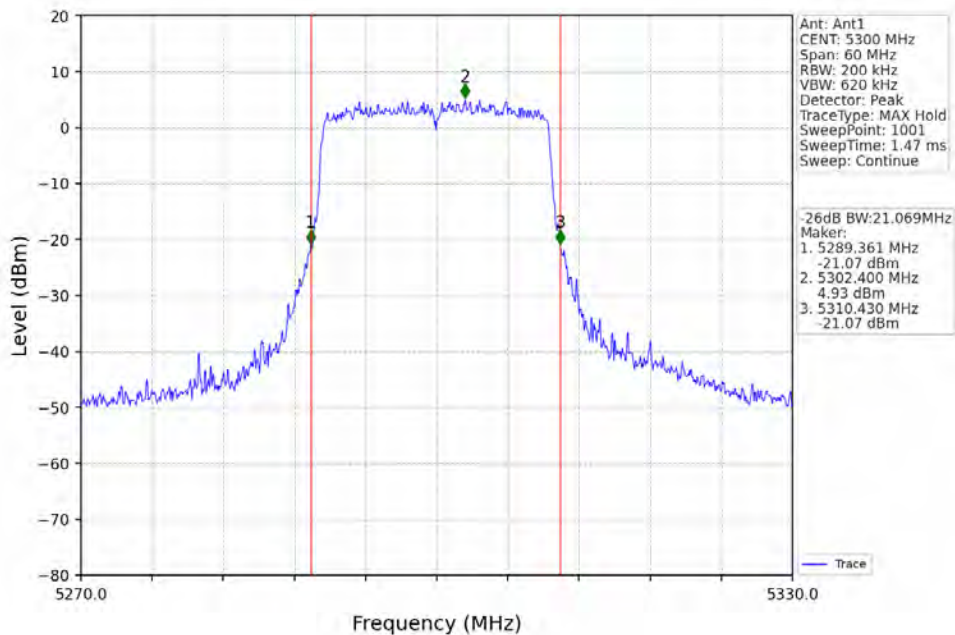
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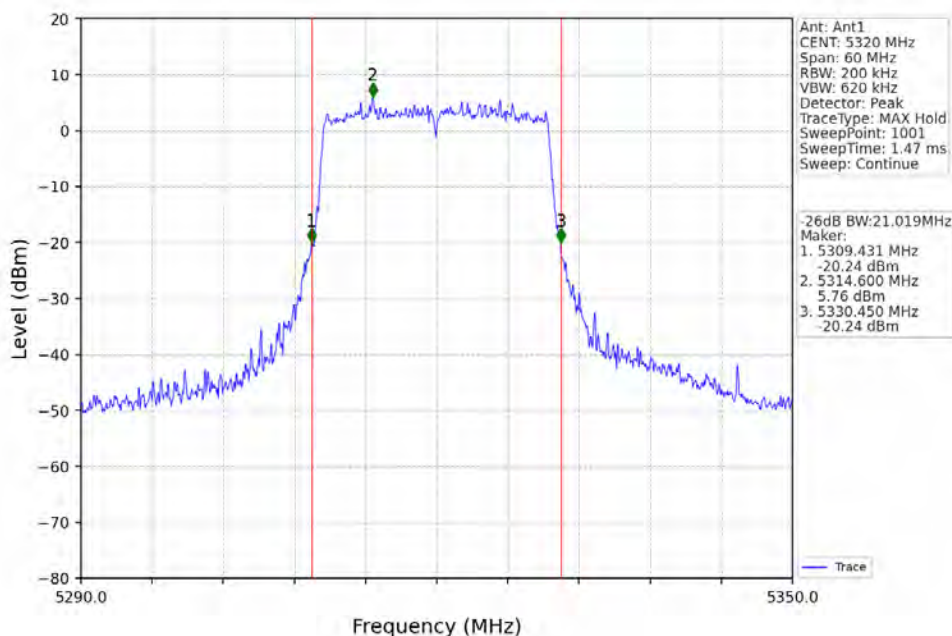
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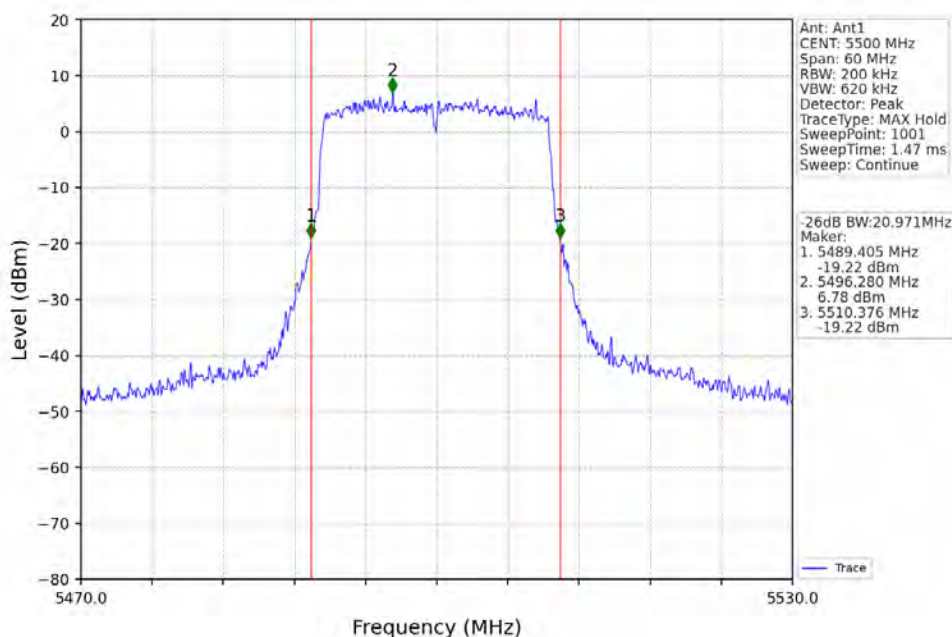
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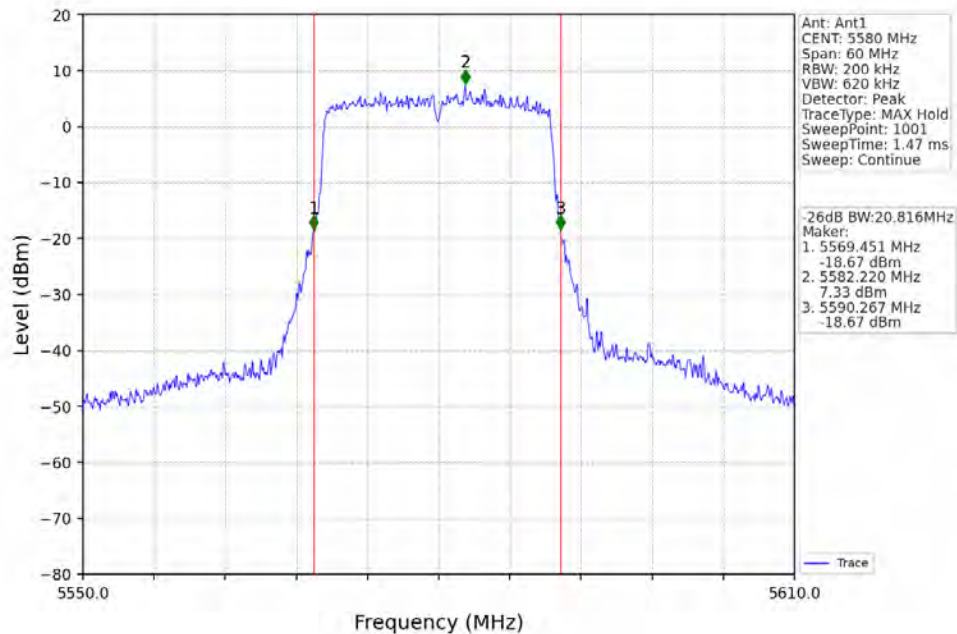
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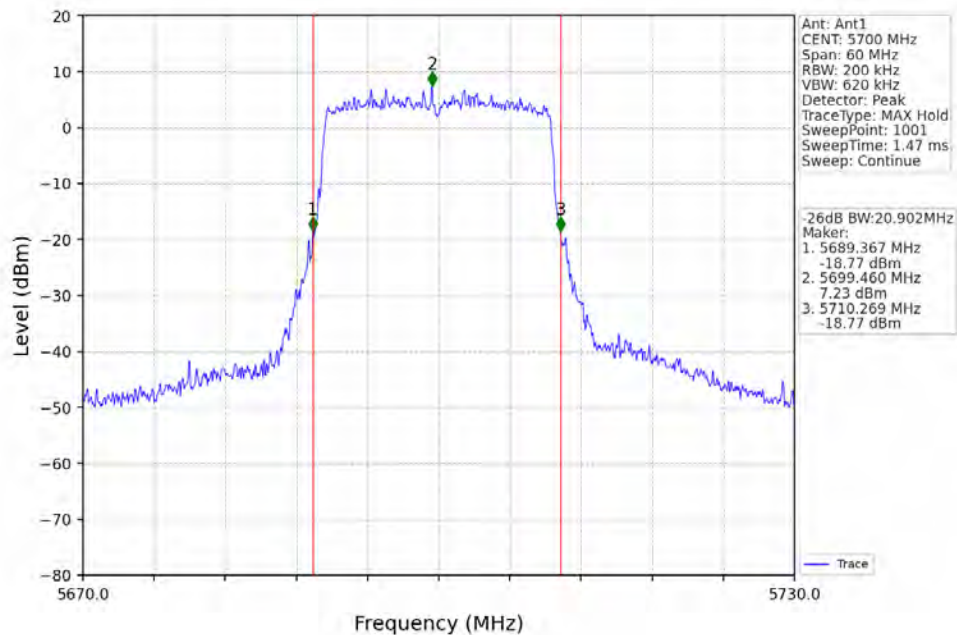
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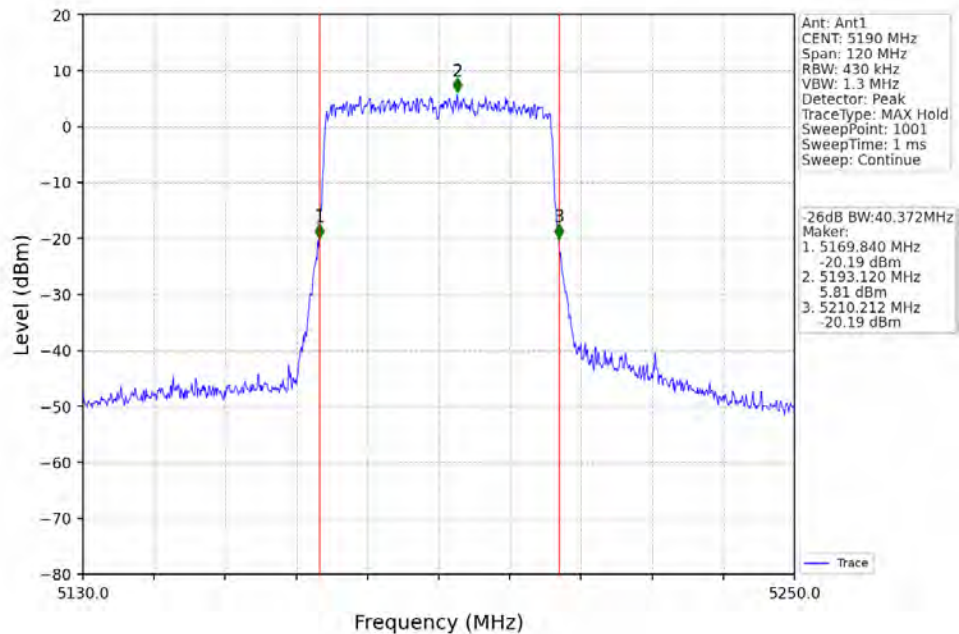
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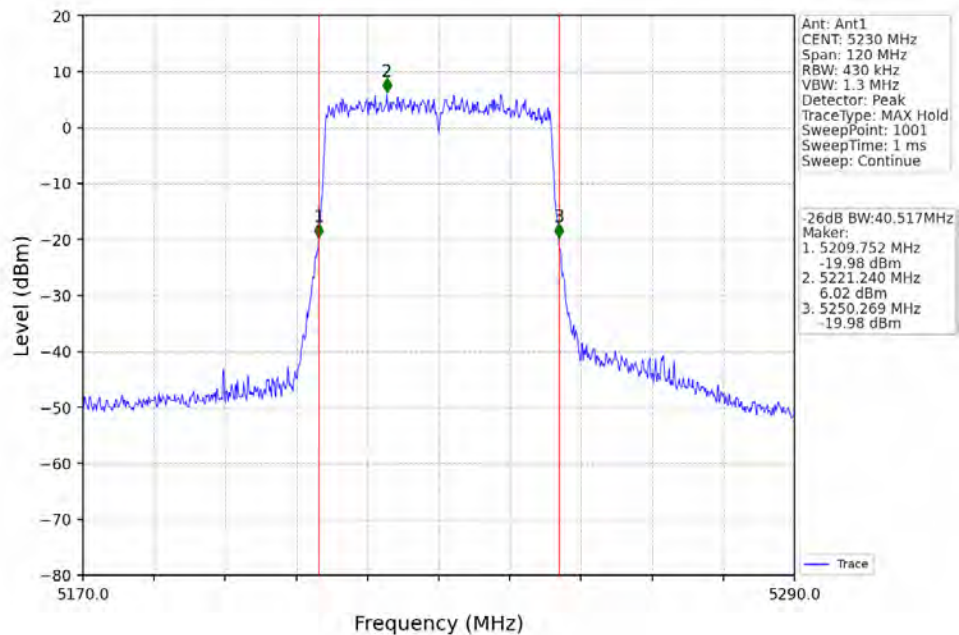
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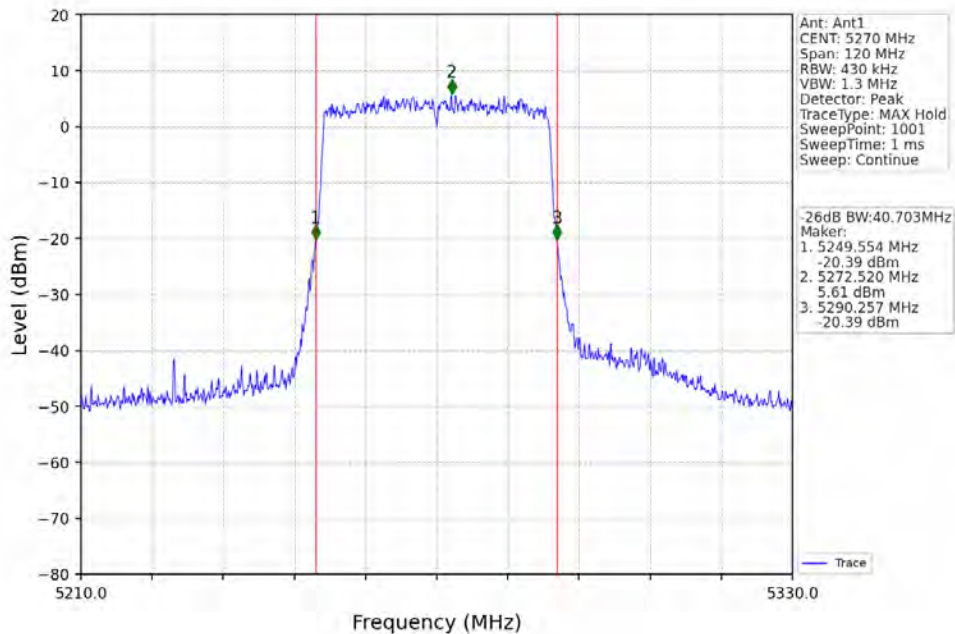
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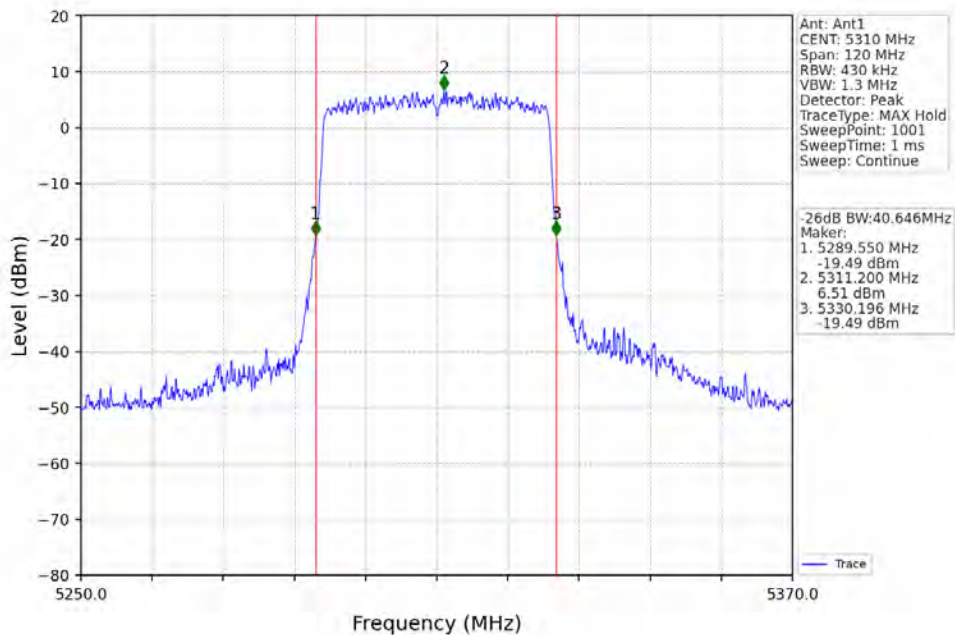
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802.11ax(HEW40)\_LCH\_5270MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_5310MHz\_RU484\_Left\_Ant1\_NTNV



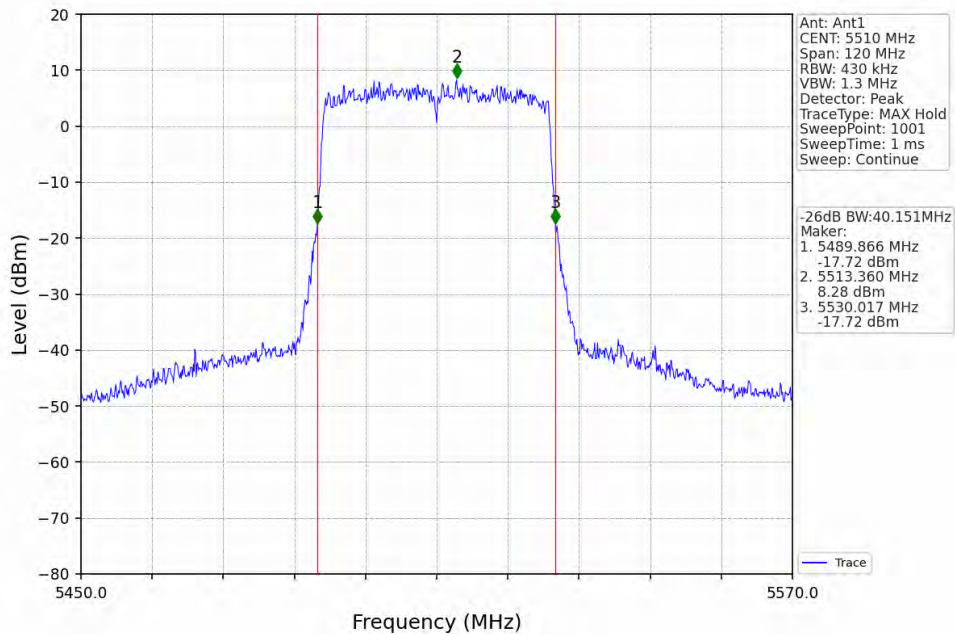
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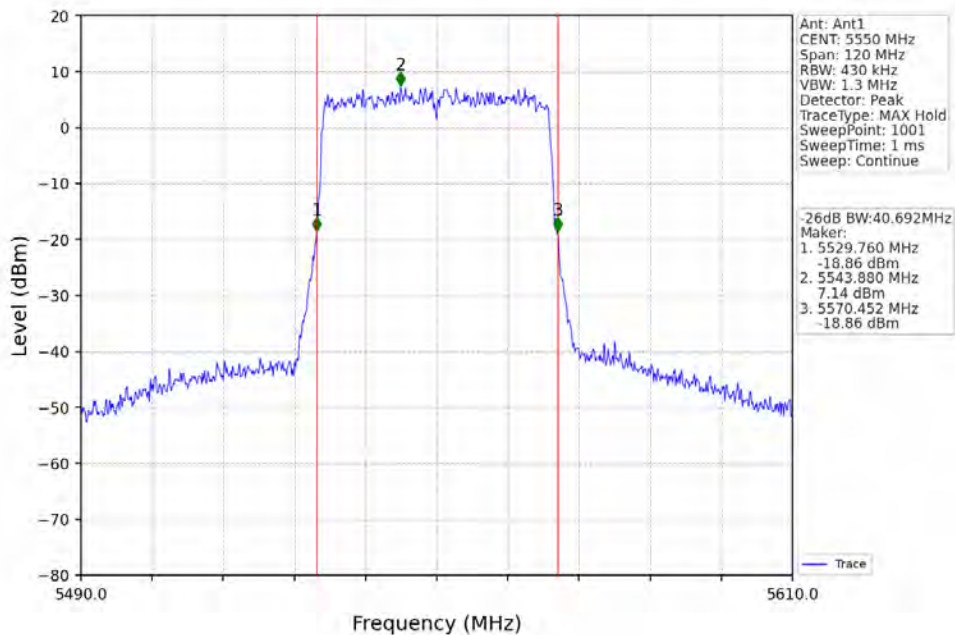
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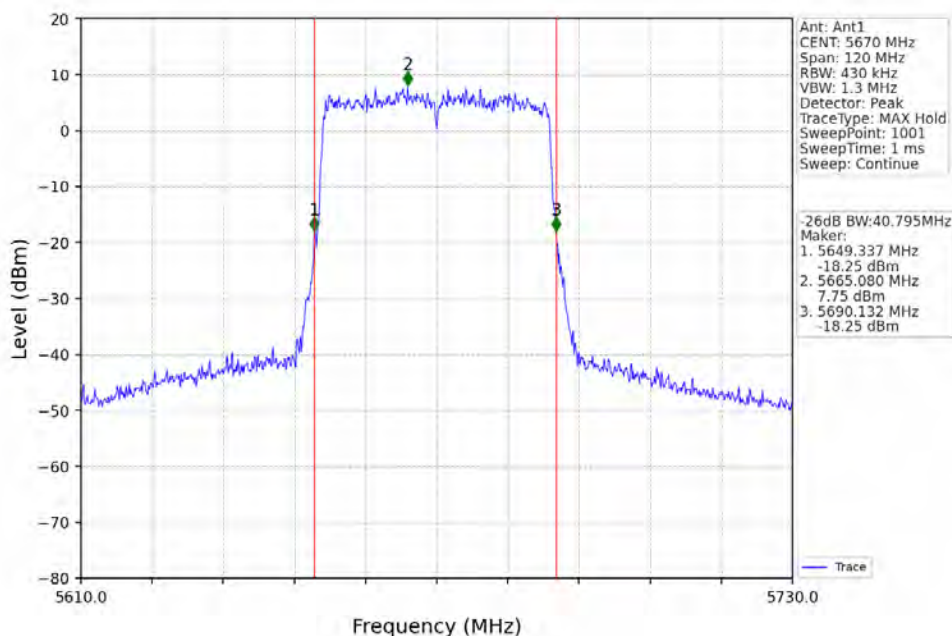
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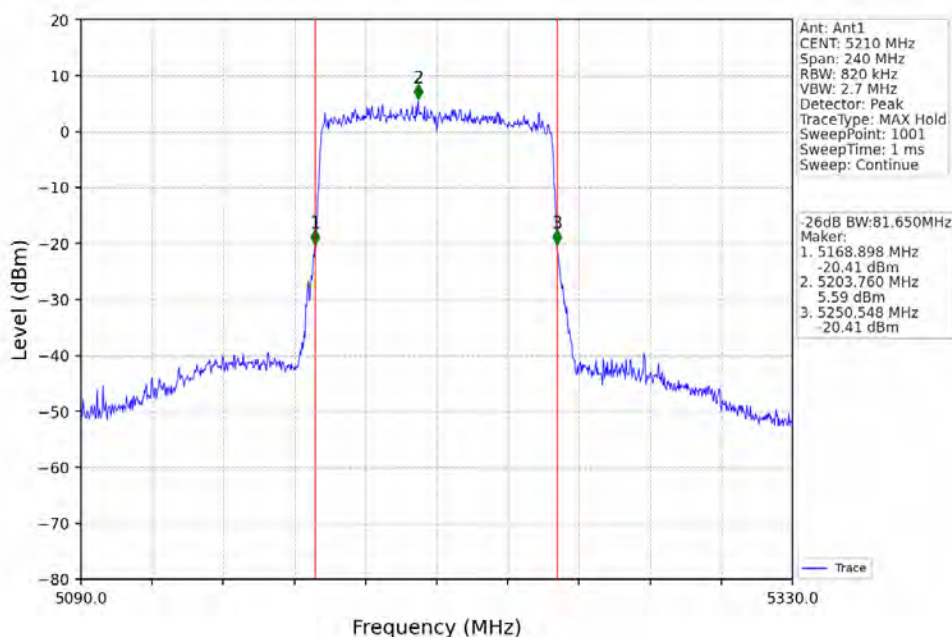
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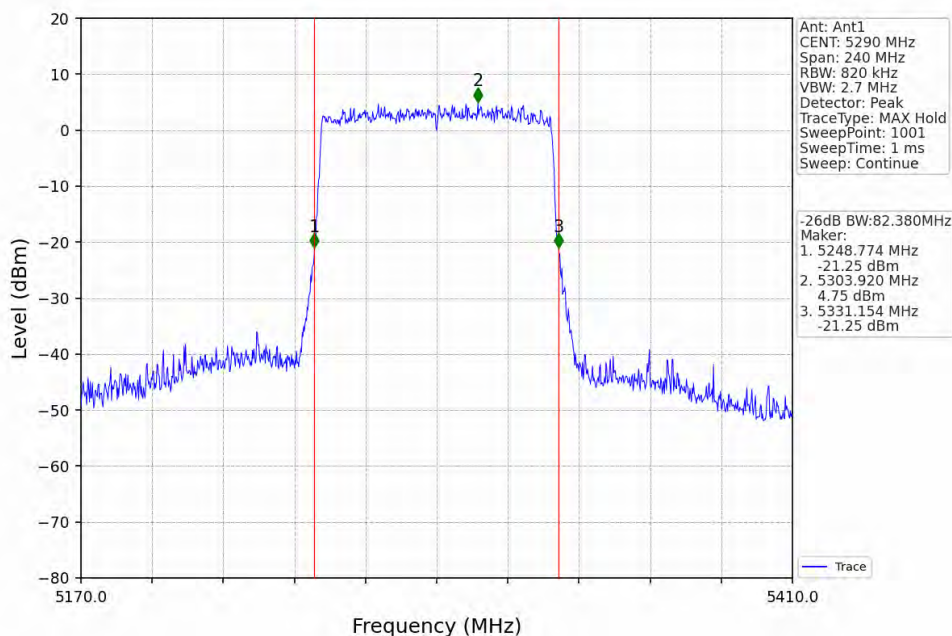
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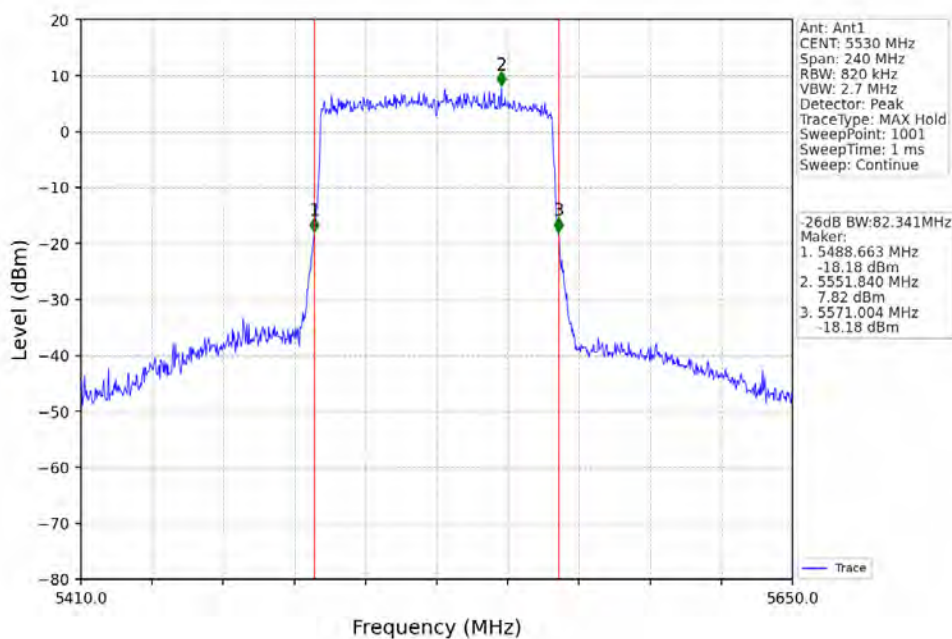
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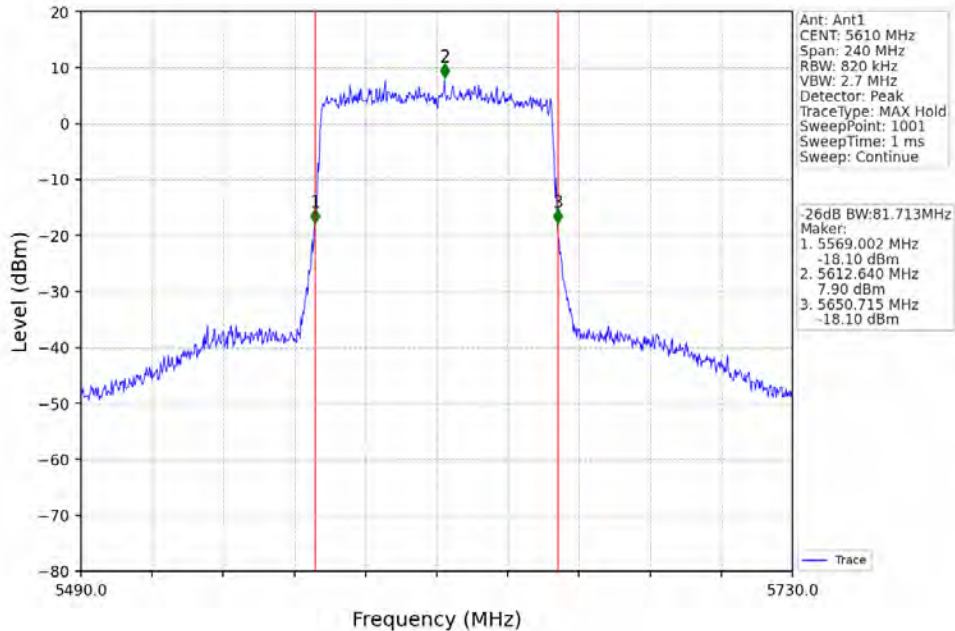
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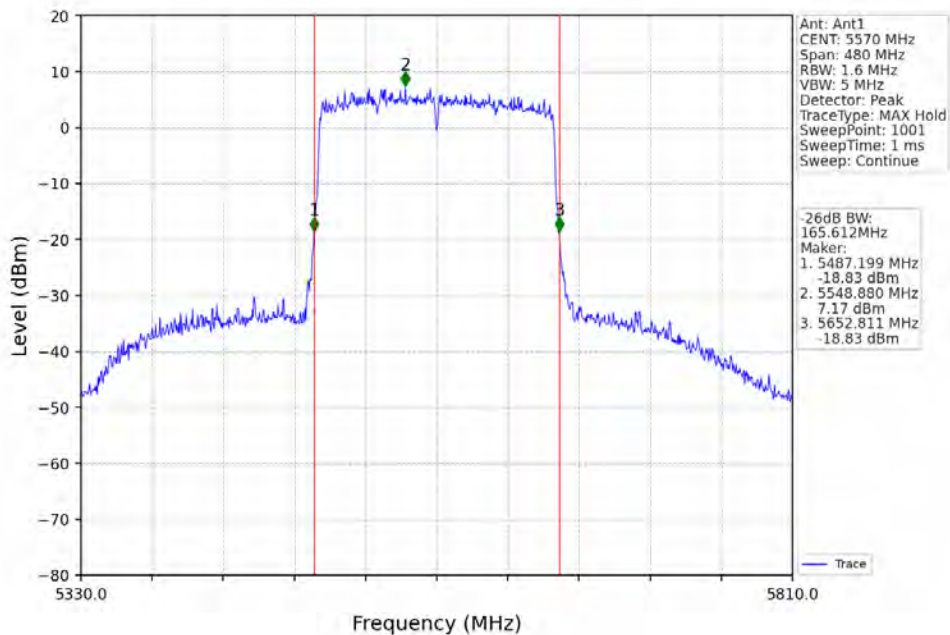
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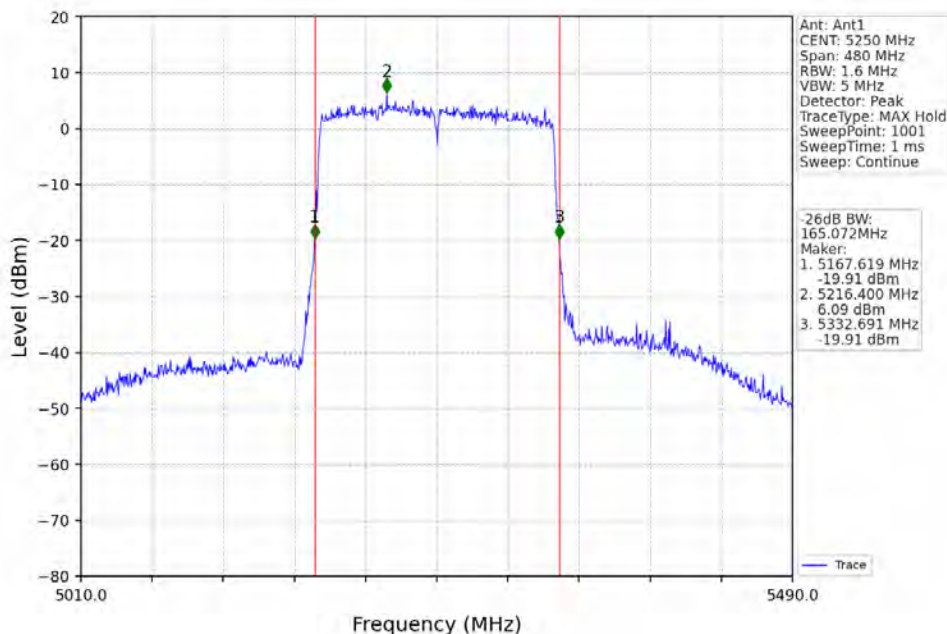
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### 802.11ax(HEW160)\_MCH\_5570MHz\_2xRU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW160)\_MCH\_5250MHz\_2xRU996\_Left\_Ant1\_NTNV



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## 3. Maximum Conducted Output Power

### 3.1 Power

#### 3.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | RU | RU Pos | Maximum Average Conducted Output Power (dBm) |       |       |         | Verdict |
|----------------|---------|-----------------|----|--------|----------------------------------------------|-------|-------|---------|---------|
|                |         |                 |    |        | ANT1                                         | ANT2  | MIMO  | Limit   |         |
| 802.11a        | SISO    | 5180            | /  | /      | 16.60                                        | 15.07 | /     | <=23.98 | Pass    |
|                |         | 5200            | /  | /      | 16.44                                        | 15.11 | /     | <=23.98 | Pass    |
|                |         | 5240            | /  | /      | 16.12                                        | 15.82 | /     | <=23.98 | Pass    |
|                |         | 5260            | /  | /      | 16.26                                        | 16.41 | /     | <=23.98 | Pass    |
|                |         | 5300            | /  | /      | 16.66                                        | 16.70 | /     | <=23.98 | Pass    |
|                |         | 5320            | /  | /      | 16.85                                        | 17.12 | /     | <=23.98 | Pass    |
|                |         | 5500            | /  | /      | 18.02                                        | 16.67 | /     | <=23.98 | Pass    |
|                |         | 5580            | /  | /      | 18.03                                        | 16.06 | /     | <=23.98 | Pass    |
|                |         | 5700            | /  | /      | 17.77                                        | 15.94 | /     | <=23.84 | Pass    |
|                |         | 5745            | /  | /      | 17.42                                        | 16.30 | /     | <=30    | Pass    |
|                |         | 5785            | /  | /      | 17.02                                        | 16.22 | /     | <=30    | Pass    |
| 802.11n (HT20) | MIMO    | 5180            | /  | /      | 14.30                                        | 13.04 | 16.73 | <=23.98 | Pass    |
|                |         | 5200            | /  | /      | 14.18                                        | 13.15 | 16.71 | <=23.98 | Pass    |
|                |         | 5240            | /  | /      | 14.05                                        | 13.85 | 16.96 | <=23.98 | Pass    |
|                |         | 5260            | /  | /      | 13.98                                        | 14.46 | 17.24 | <=23.98 | Pass    |
|                |         | 5300            | /  | /      | 14.37                                        | 14.69 | 17.54 | <=23.98 | Pass    |
|                |         | 5320            | /  | /      | 14.73                                        | 15.15 | 17.96 | <=23.98 | Pass    |
|                |         | 5500            | /  | /      | 15.75                                        | 14.59 | 18.22 | <=23.98 | Pass    |
|                |         | 5580            | /  | /      | 15.70                                        | 14.02 | 17.95 | <=23.98 | Pass    |
|                |         | 5700            | /  | /      | 15.48                                        | 13.96 | 17.80 | <=23.98 | Pass    |
|                |         | 5745            | /  | /      | 15.27                                        | 14.24 | 17.80 | <=30    | Pass    |
|                |         | 5785            | /  | /      | 14.83                                        | 14.29 | 17.58 | <=30    | Pass    |
| 802.11n (HT40) | MIMO    | 5190            | /  | /      | 14.20                                        | 13.26 | 16.77 | <=23.98 | Pass    |
|                |         | 5230            | /  | /      | 14.13                                        | 13.67 | 16.92 | <=23.98 | Pass    |
|                |         | 5270            | /  | /      | 13.97                                        | 14.44 | 17.22 | <=23.98 | Pass    |
|                |         | 5310            | /  | /      | 14.58                                        | 14.95 | 17.78 | <=23.98 | Pass    |
|                |         | 5510            | /  | /      | 15.68                                        | 14.55 | 18.16 | <=23.98 | Pass    |
|                |         | 5550            | /  | /      | 15.79                                        | 14.16 | 18.06 | <=23.98 | Pass    |



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