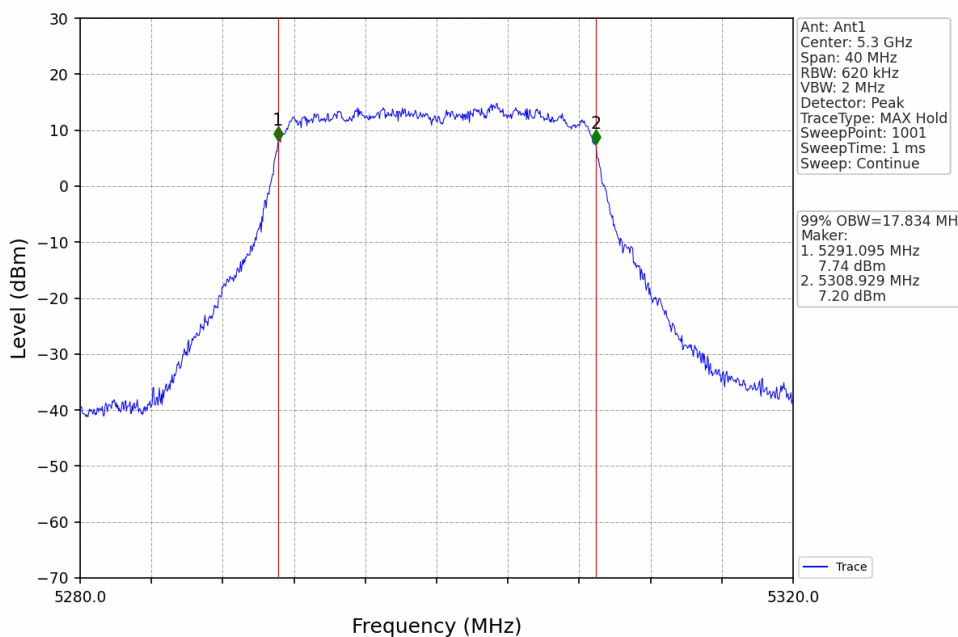
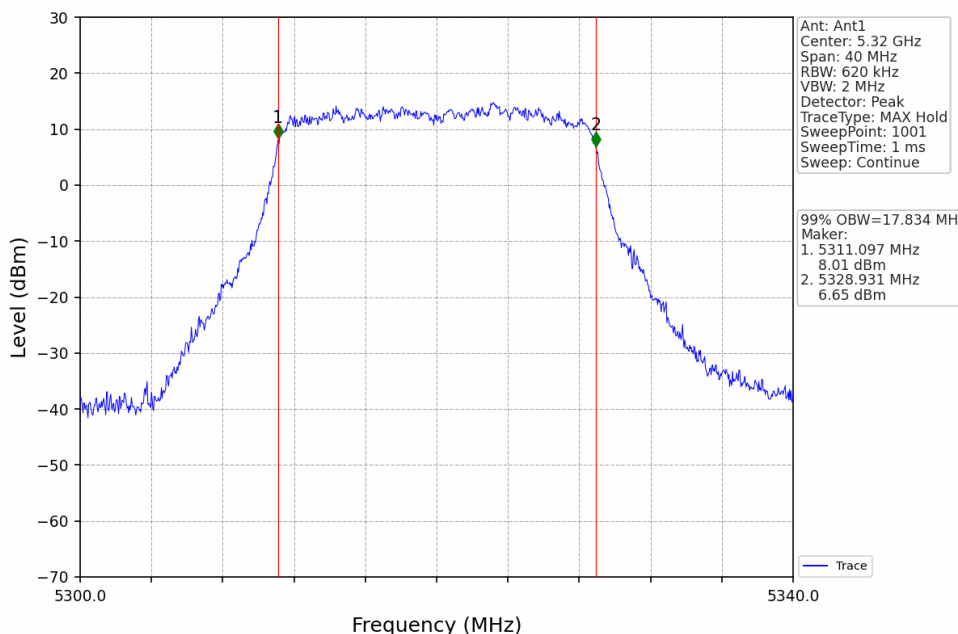


802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV

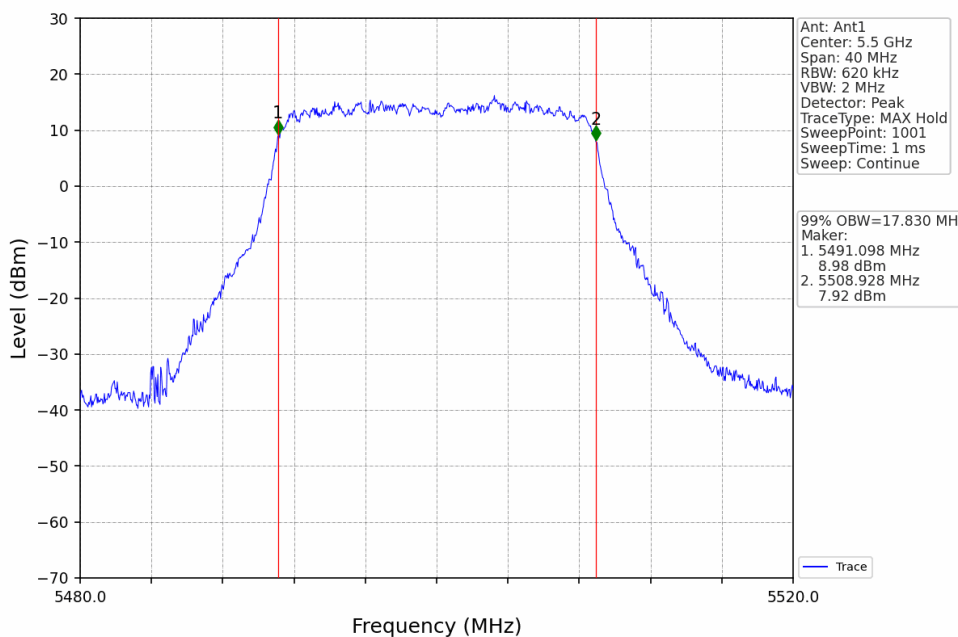


802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV

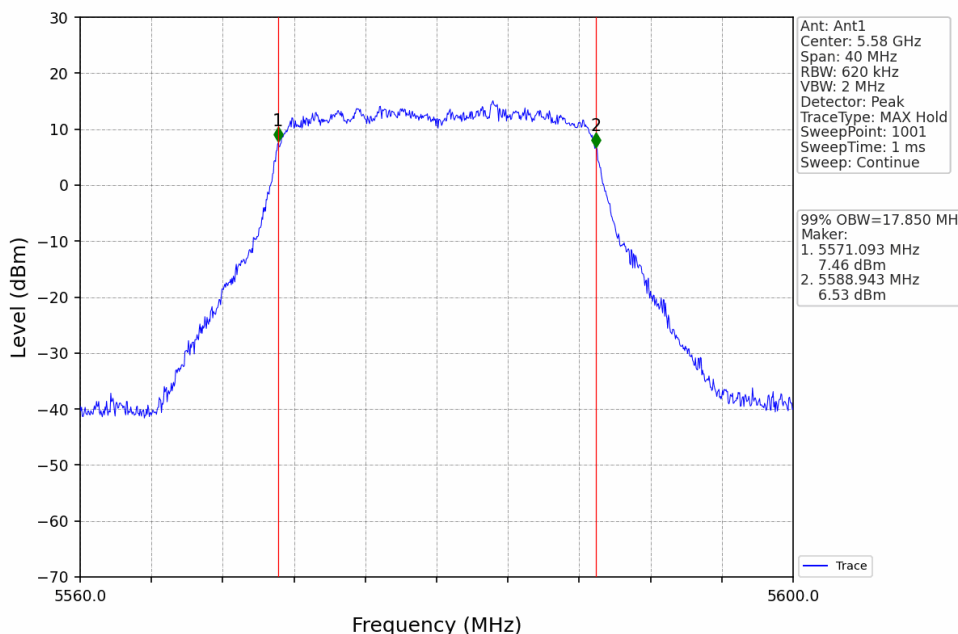


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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



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

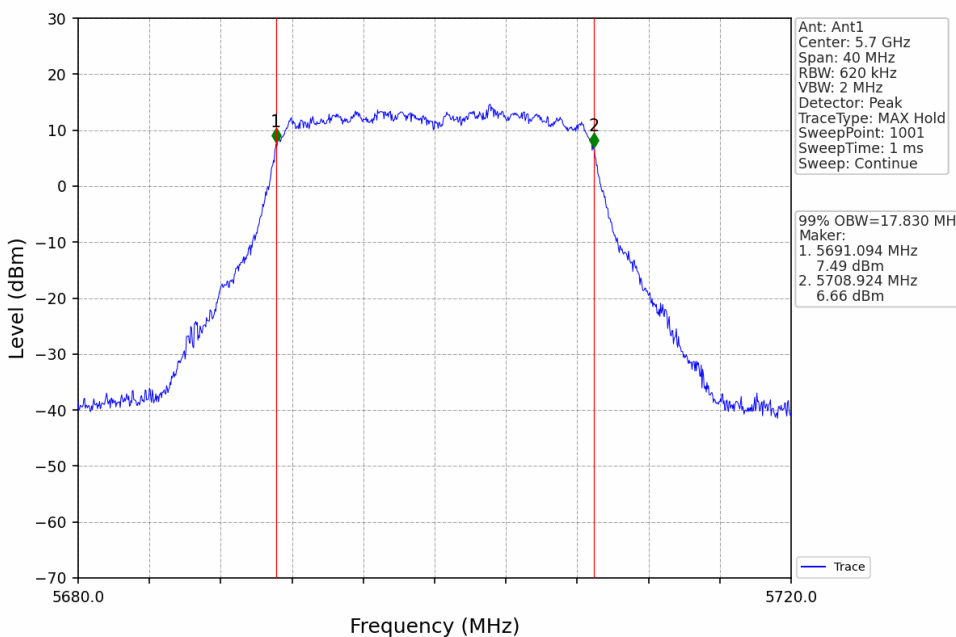


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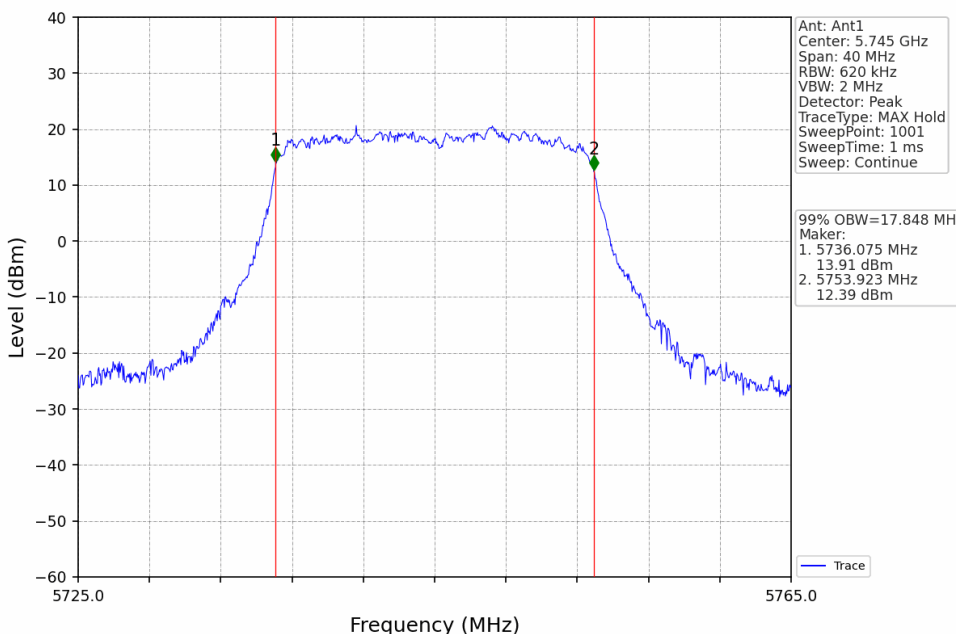
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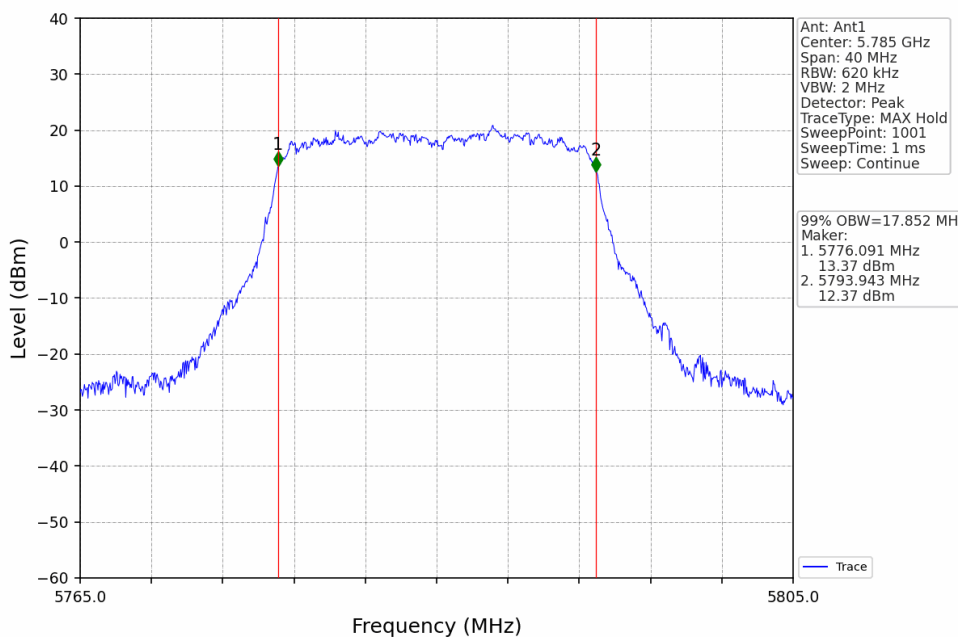
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



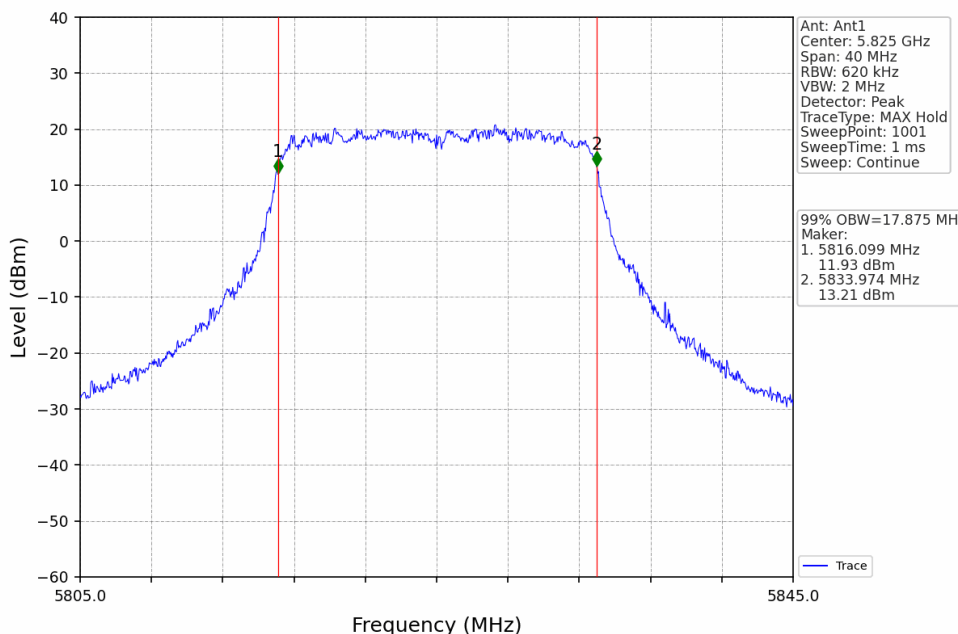
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



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

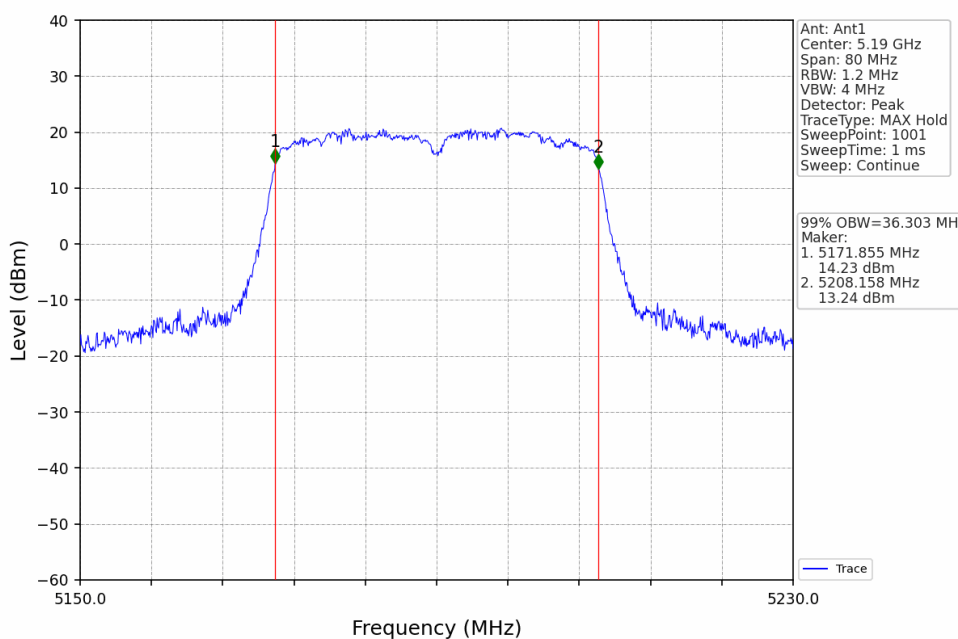


802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

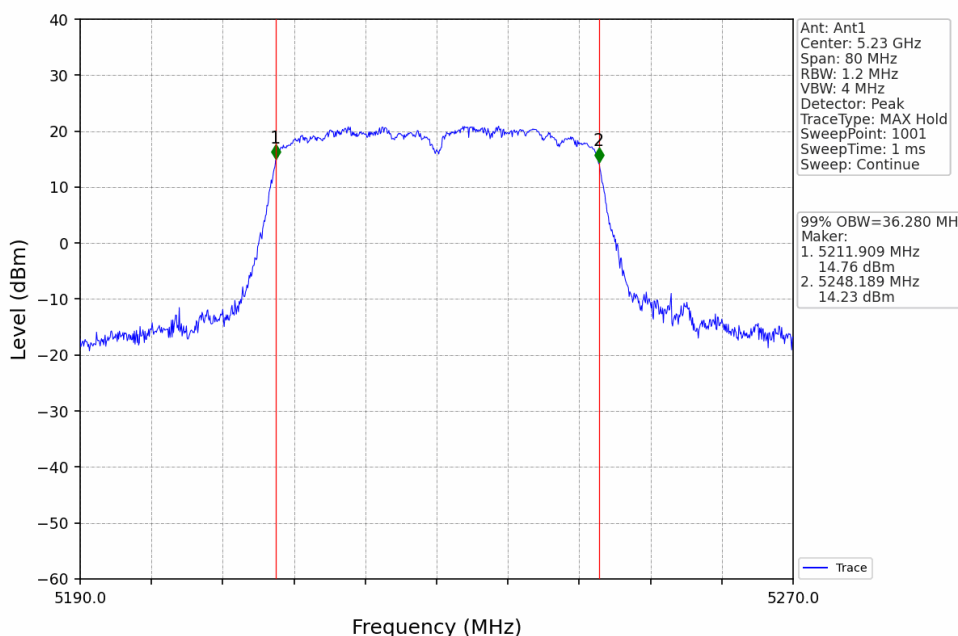




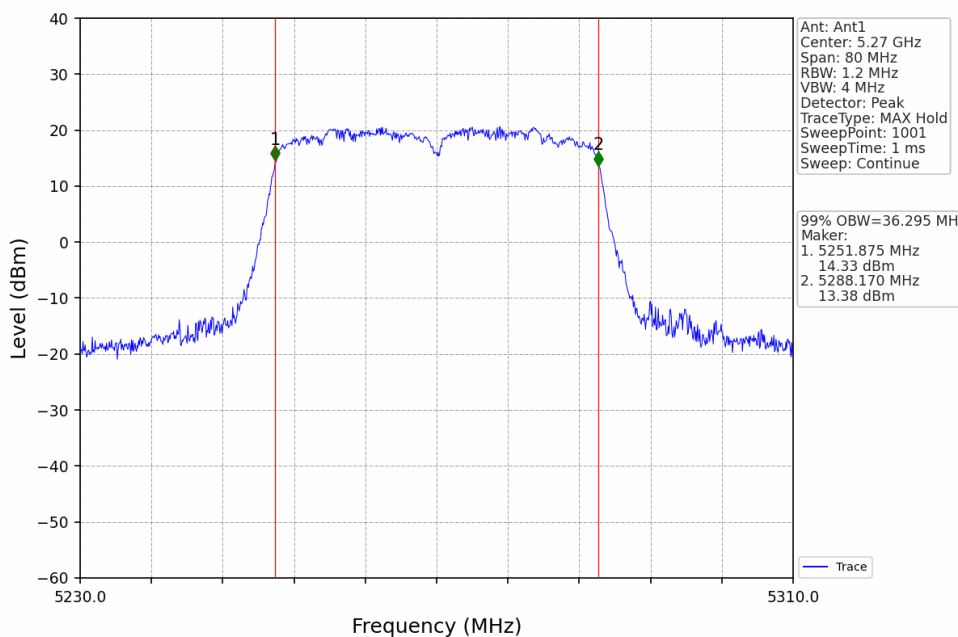
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



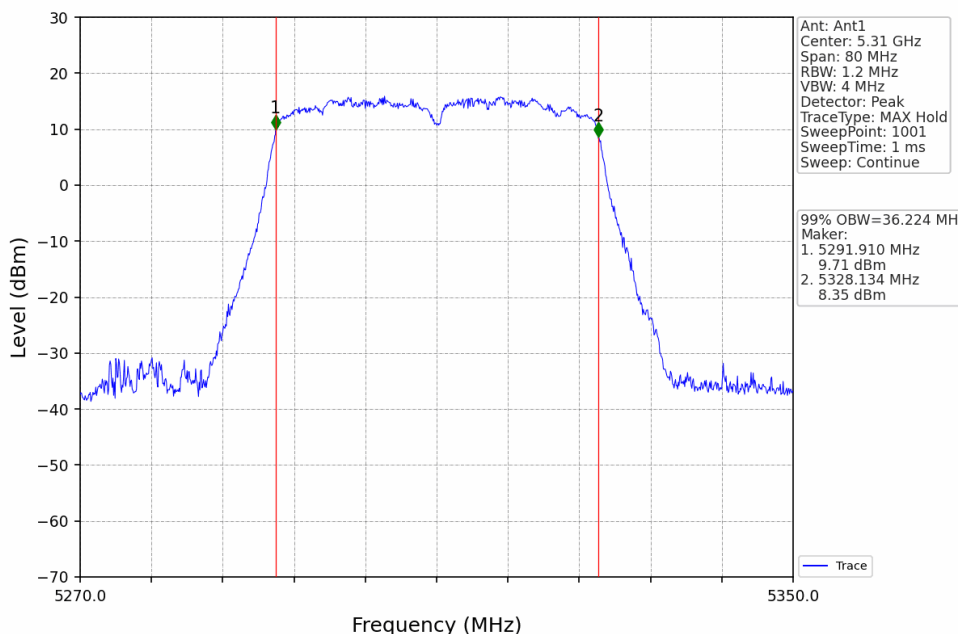
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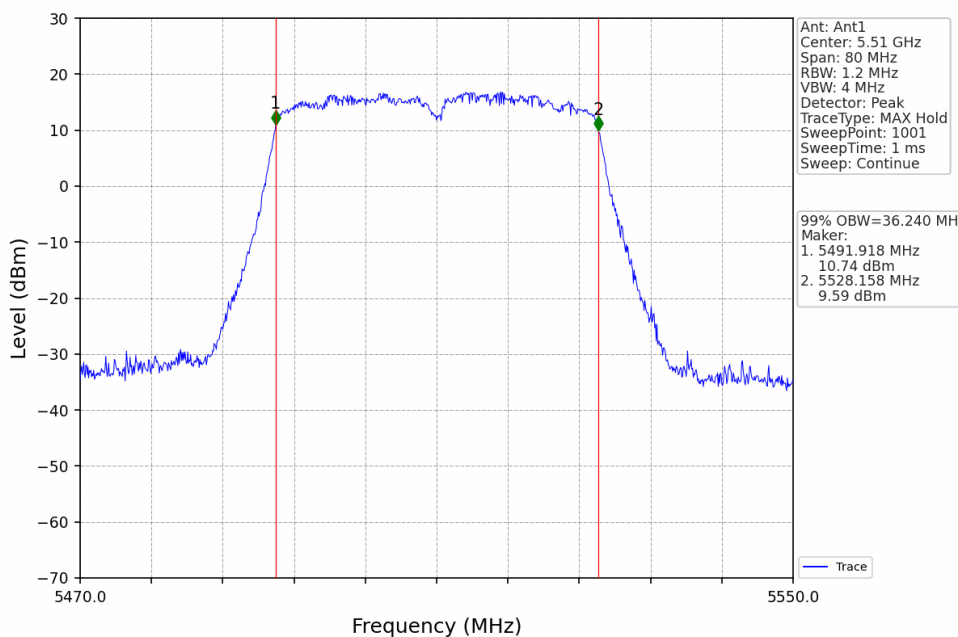
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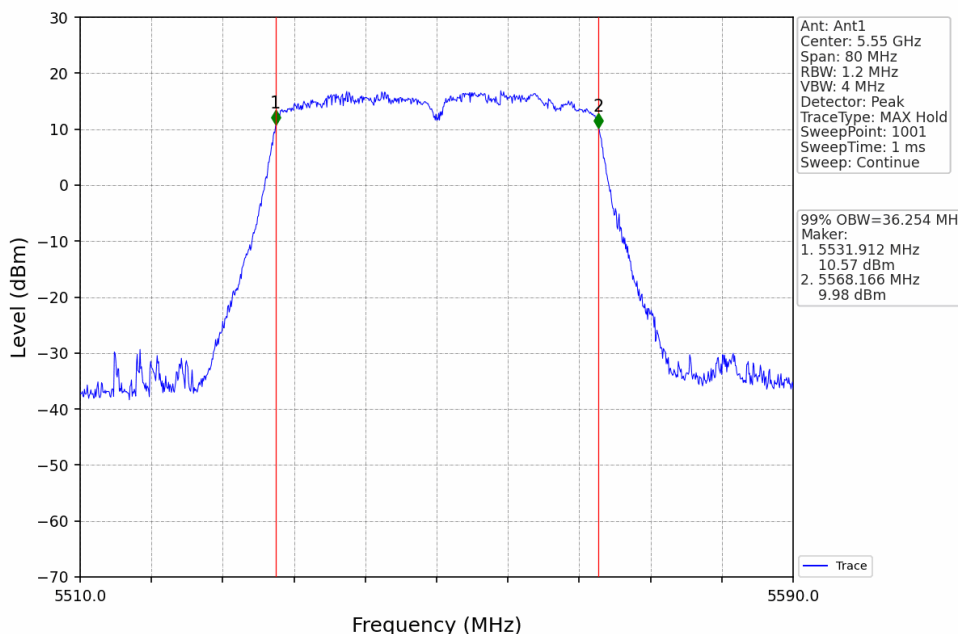
802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



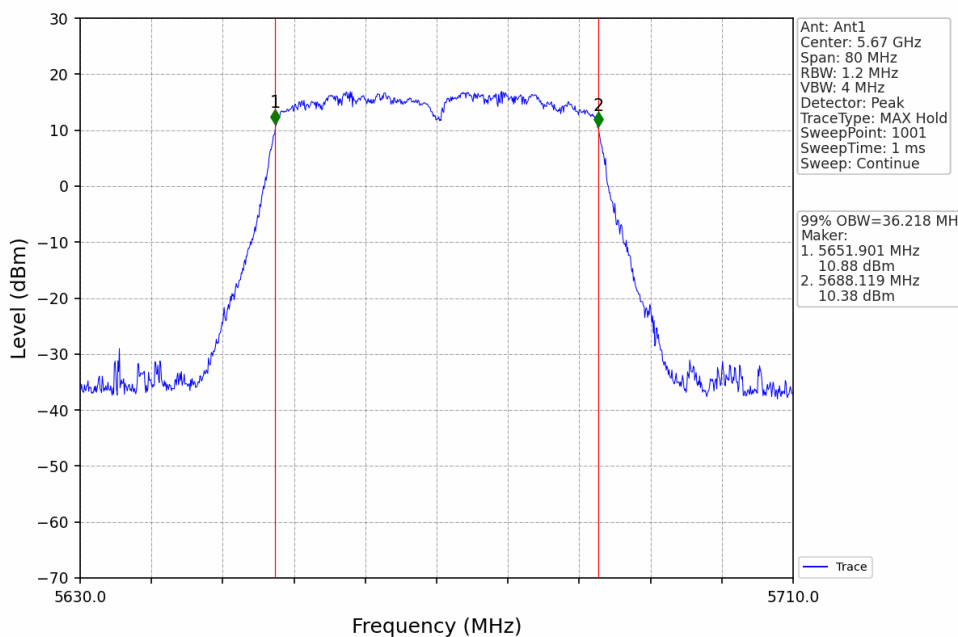
### 802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



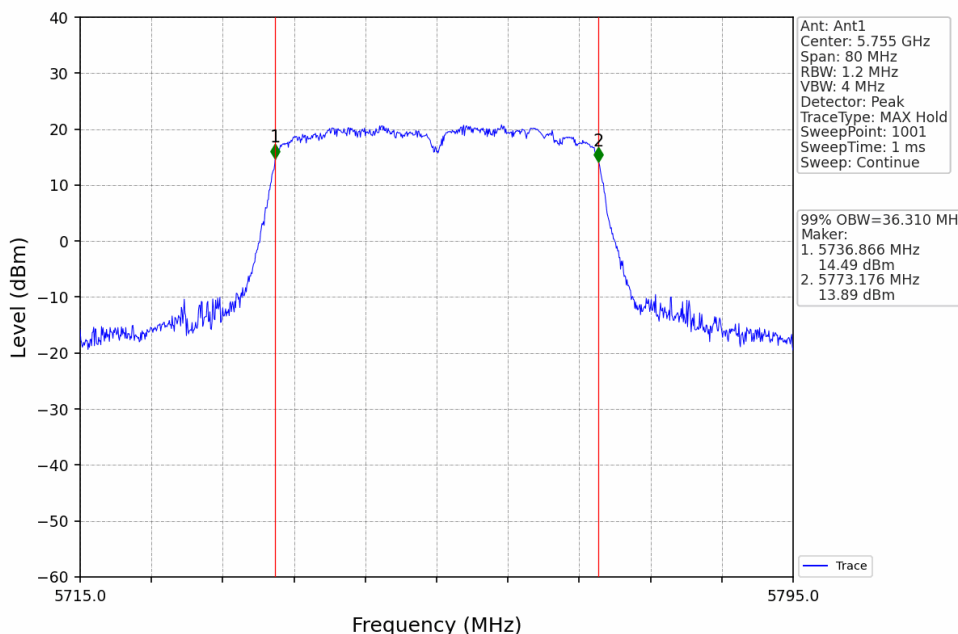
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802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV

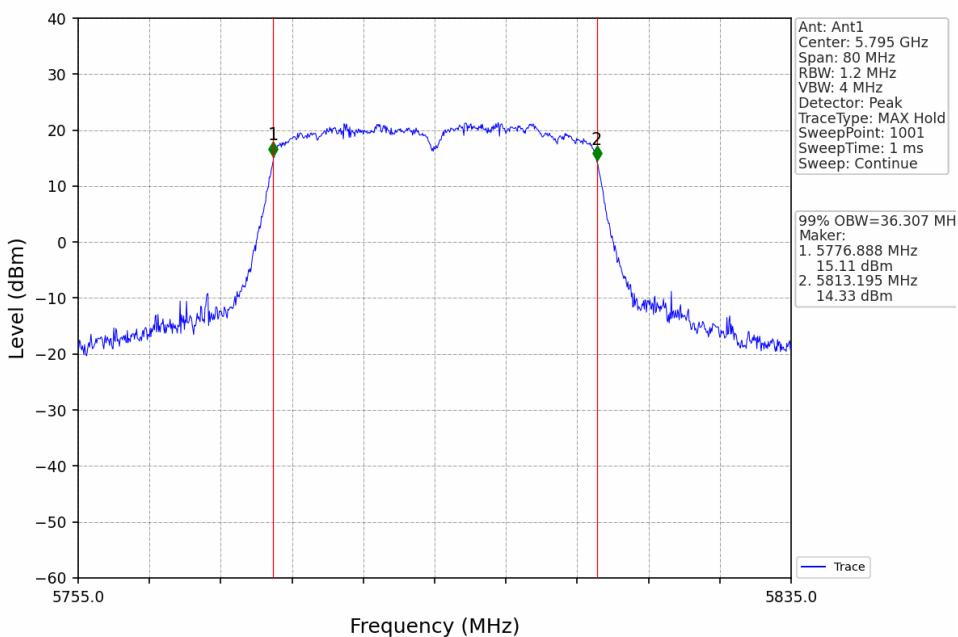


802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV

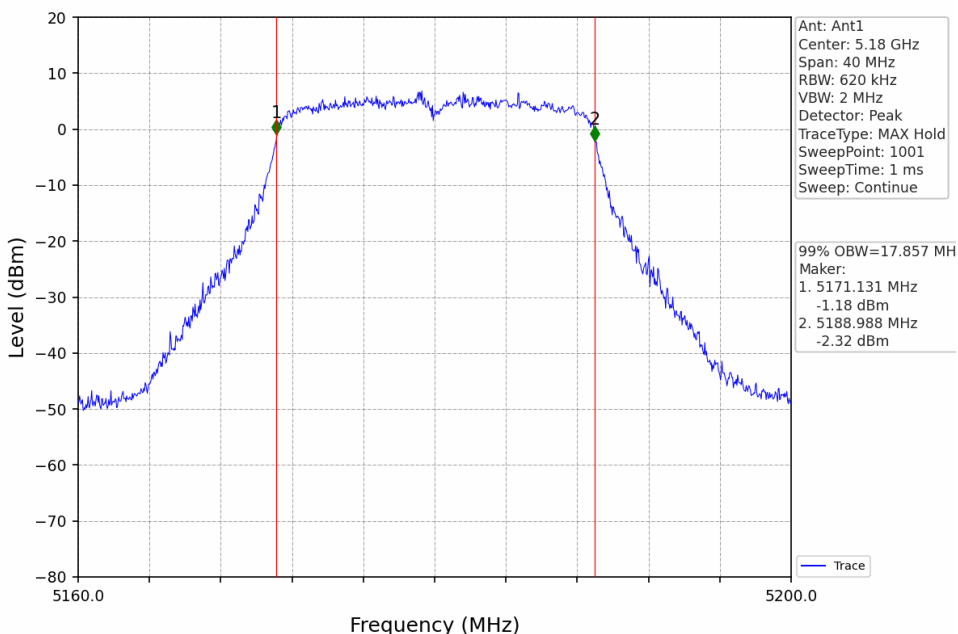




802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV

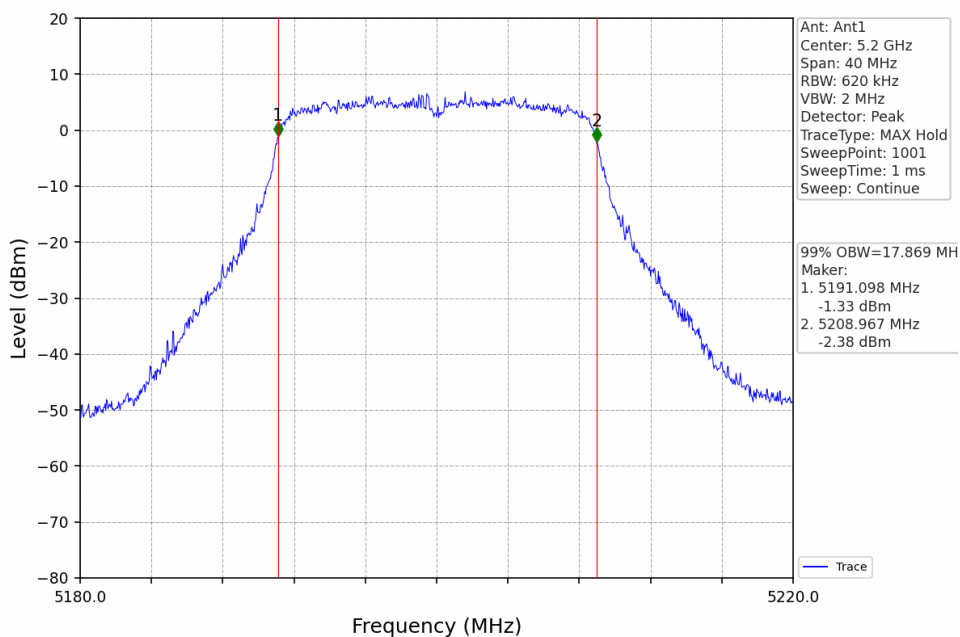


802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV

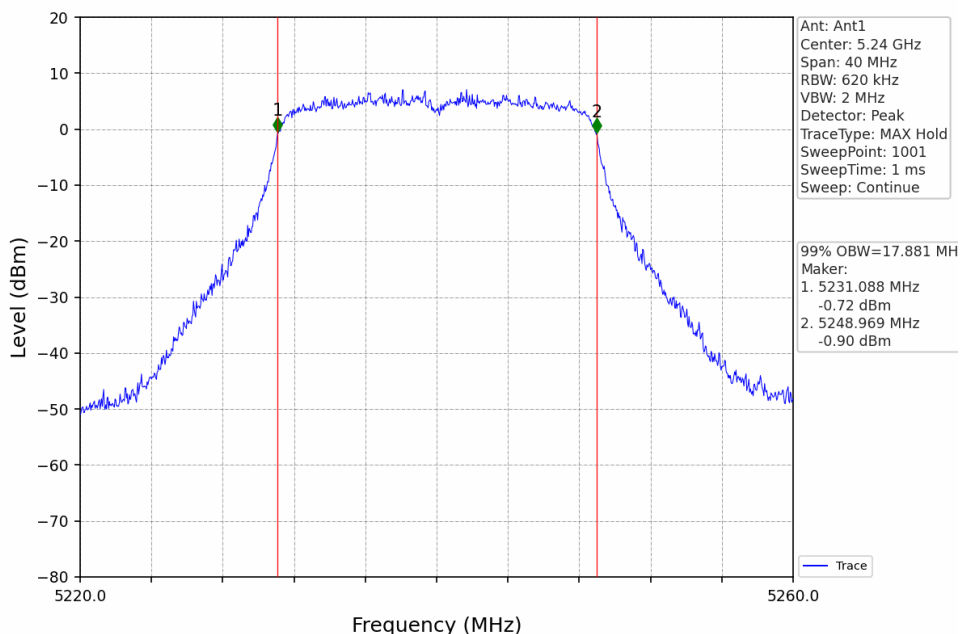


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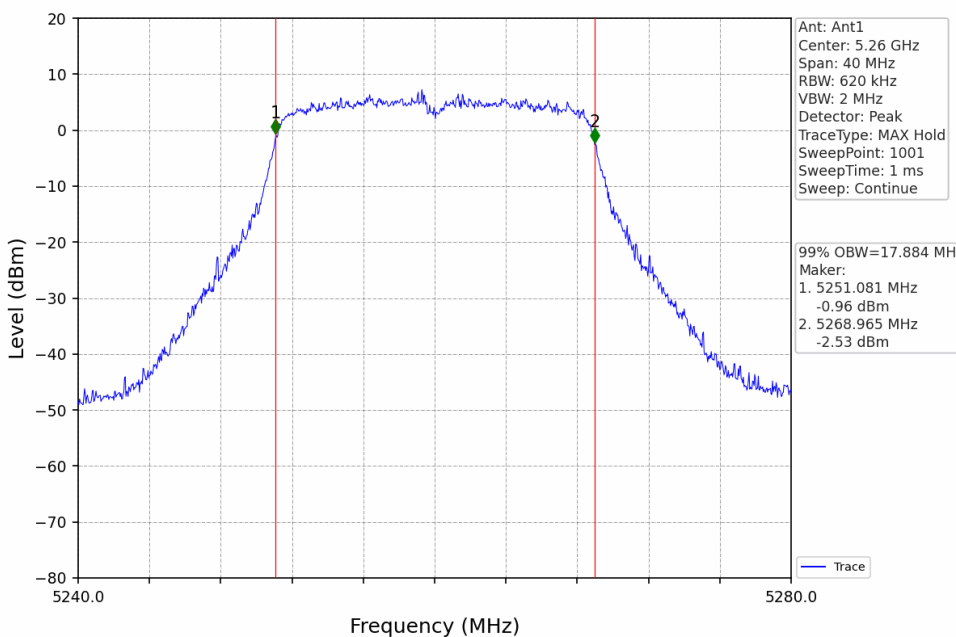
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



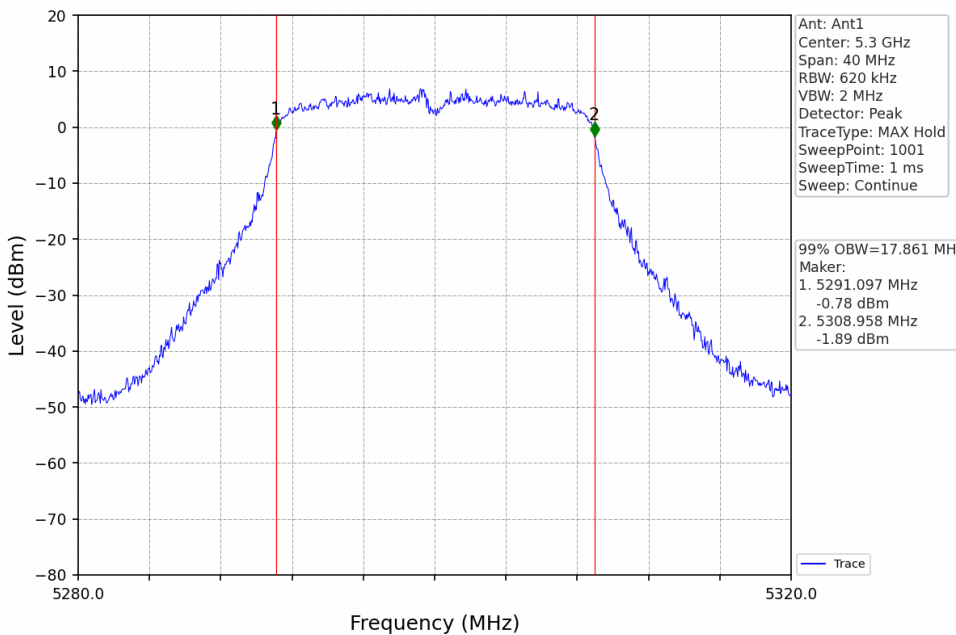
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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

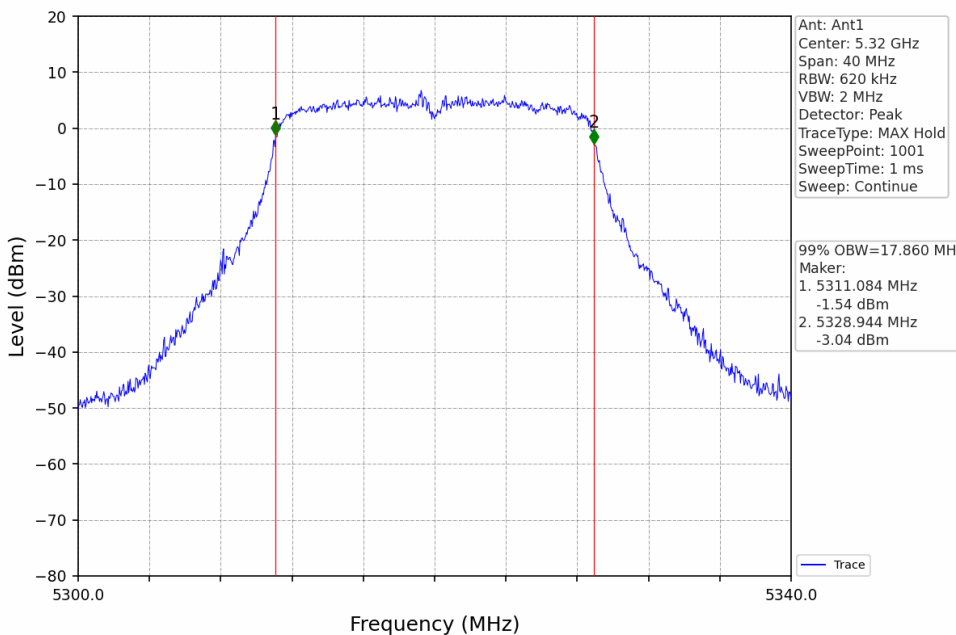


802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV

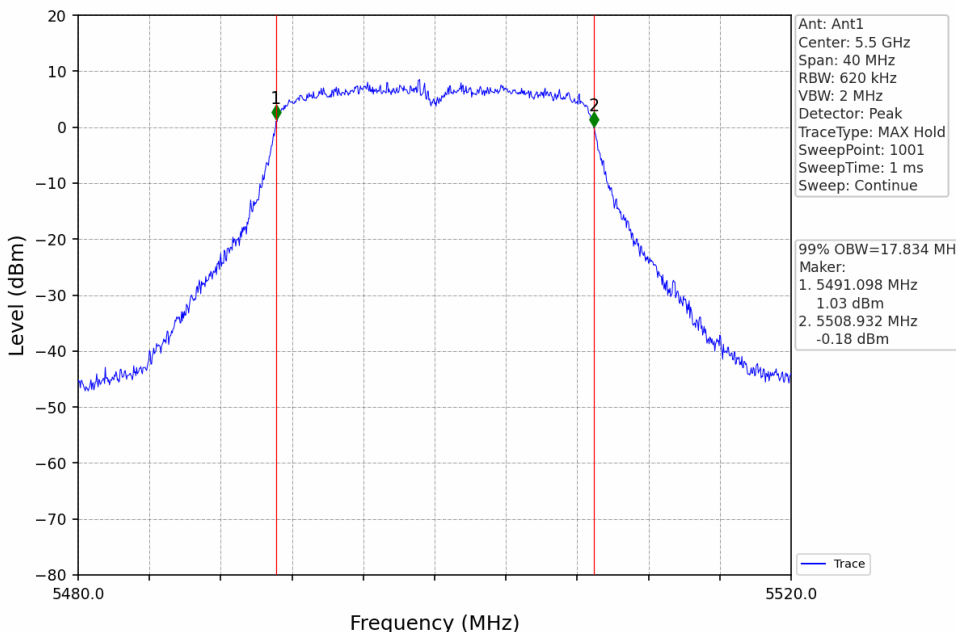


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802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV

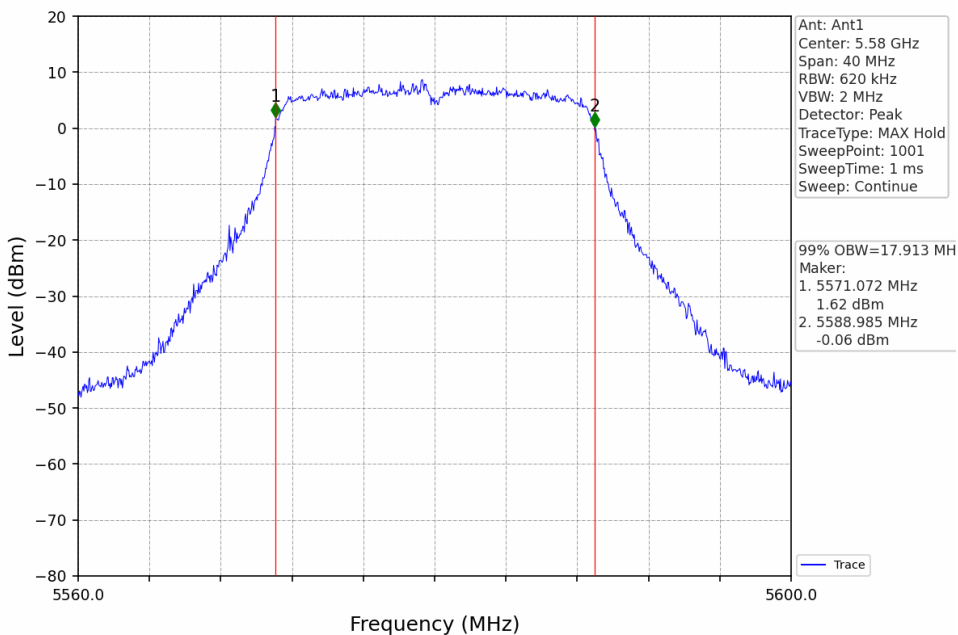


802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV

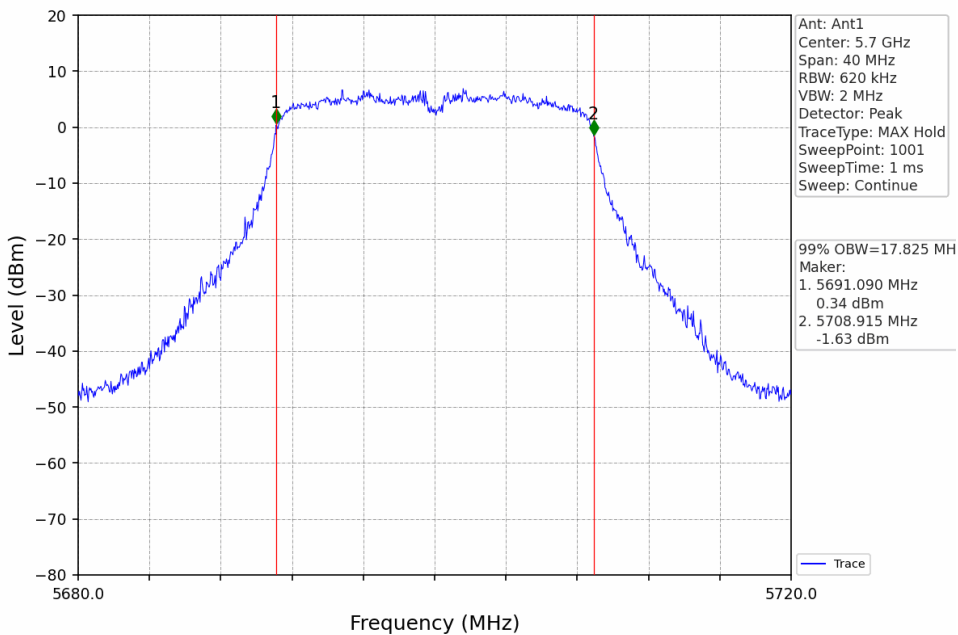




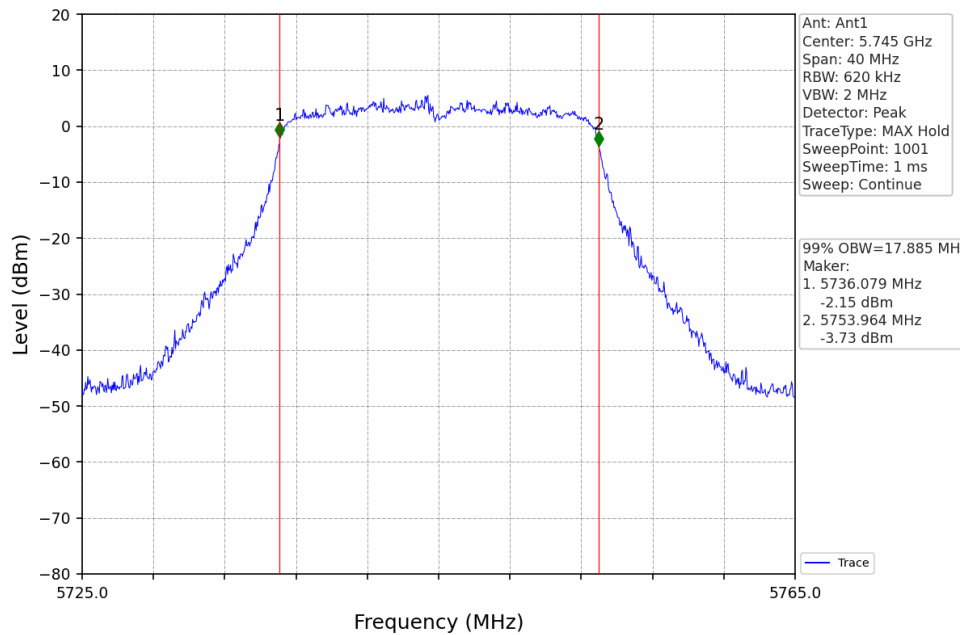
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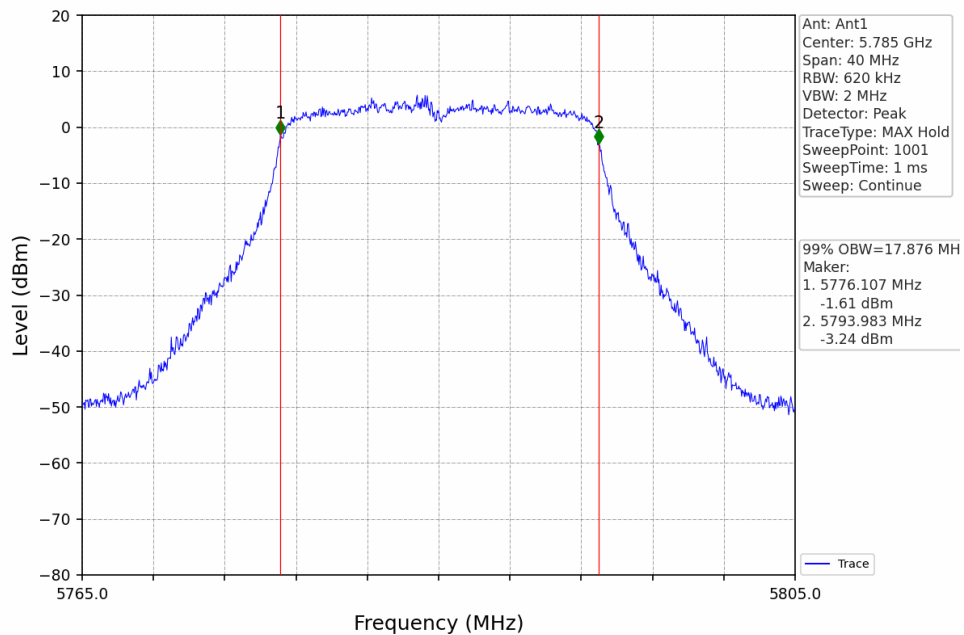
802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



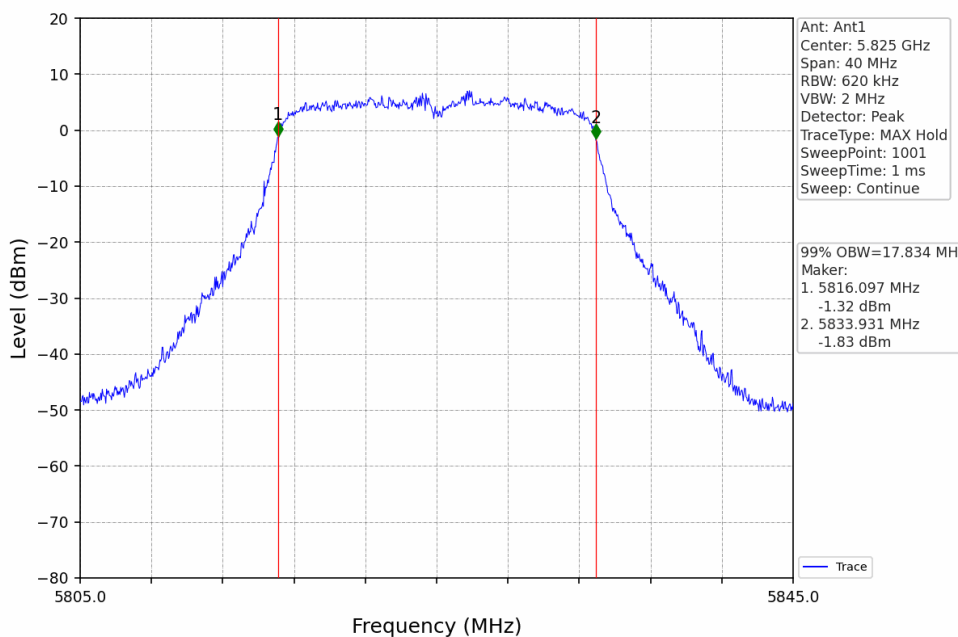
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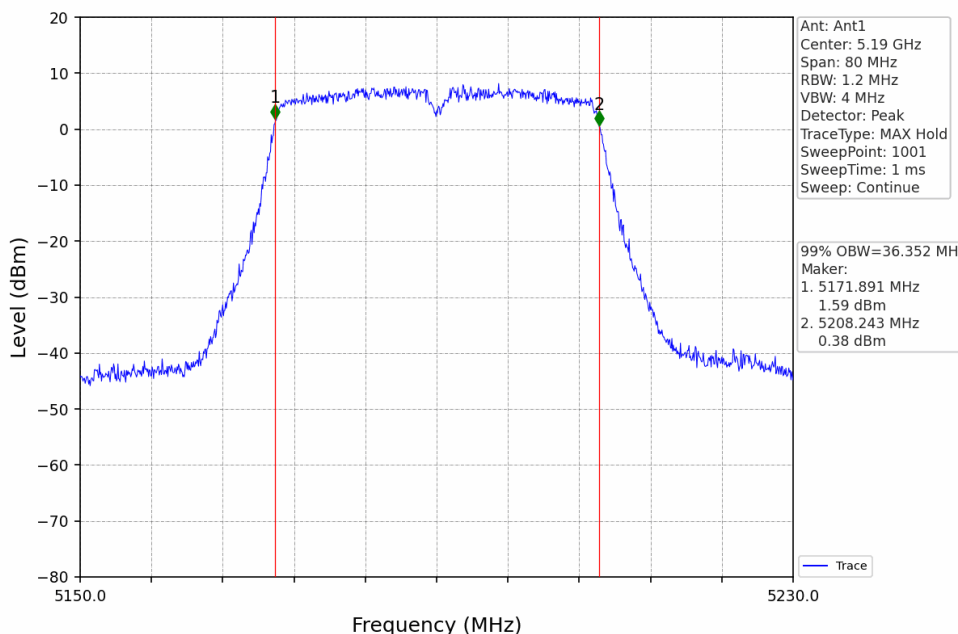
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



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



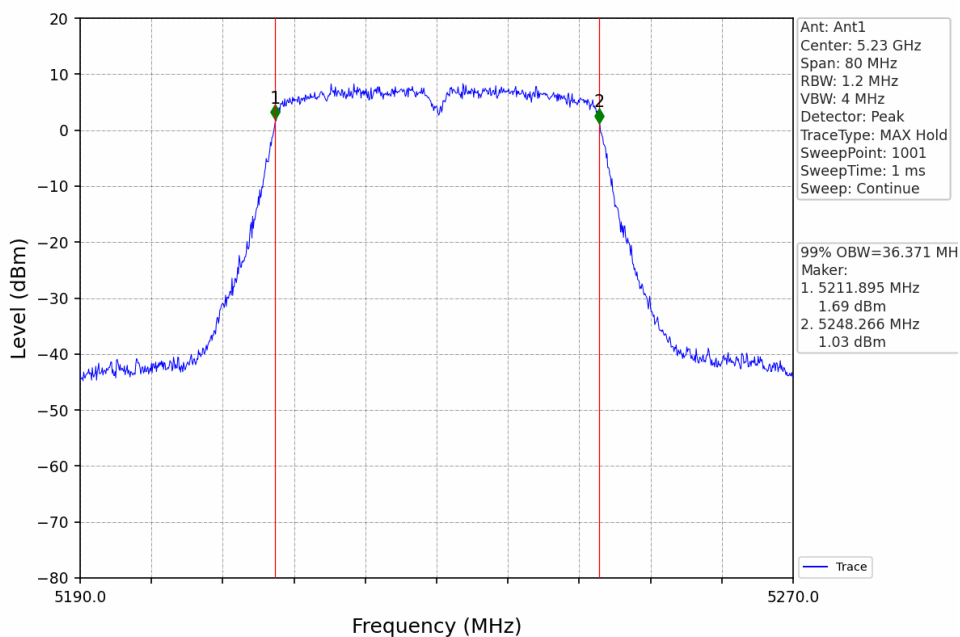
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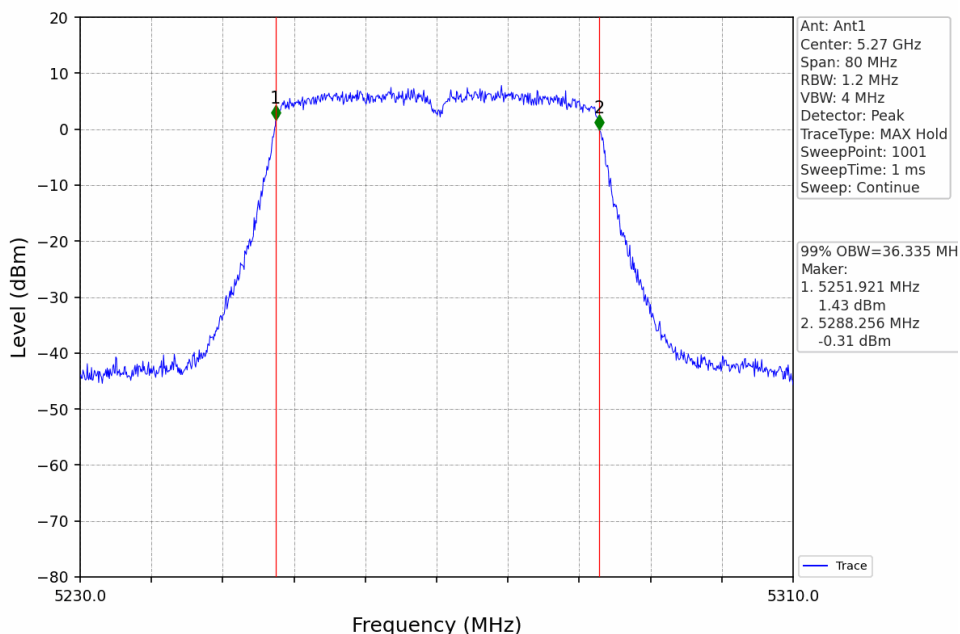
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

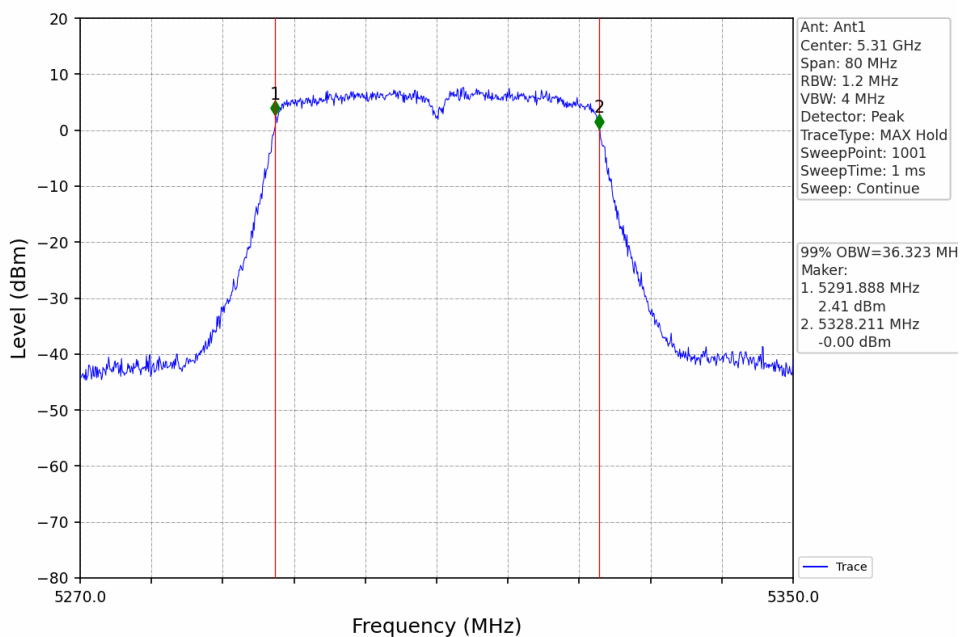


802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV

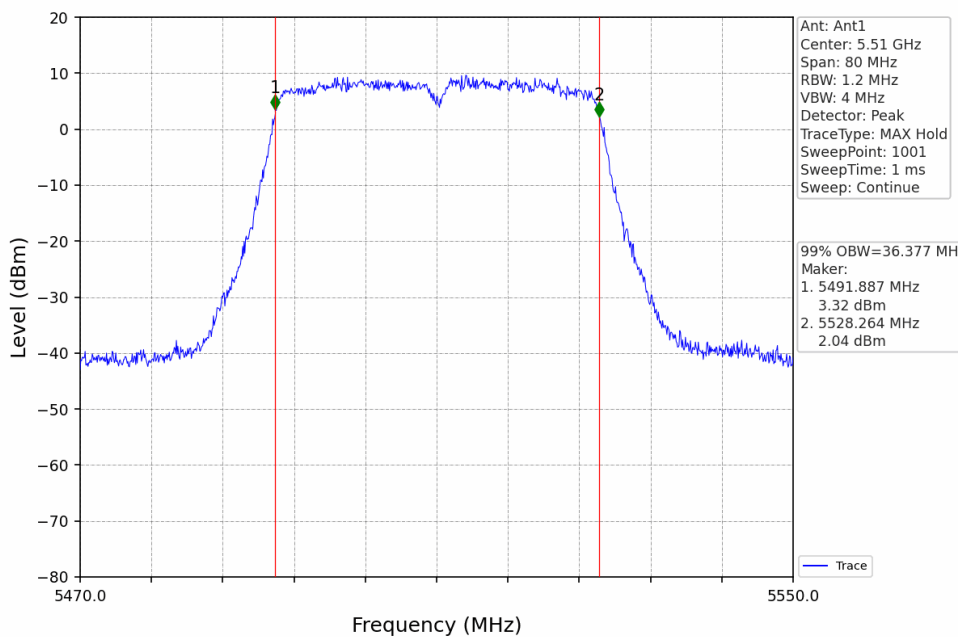




802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



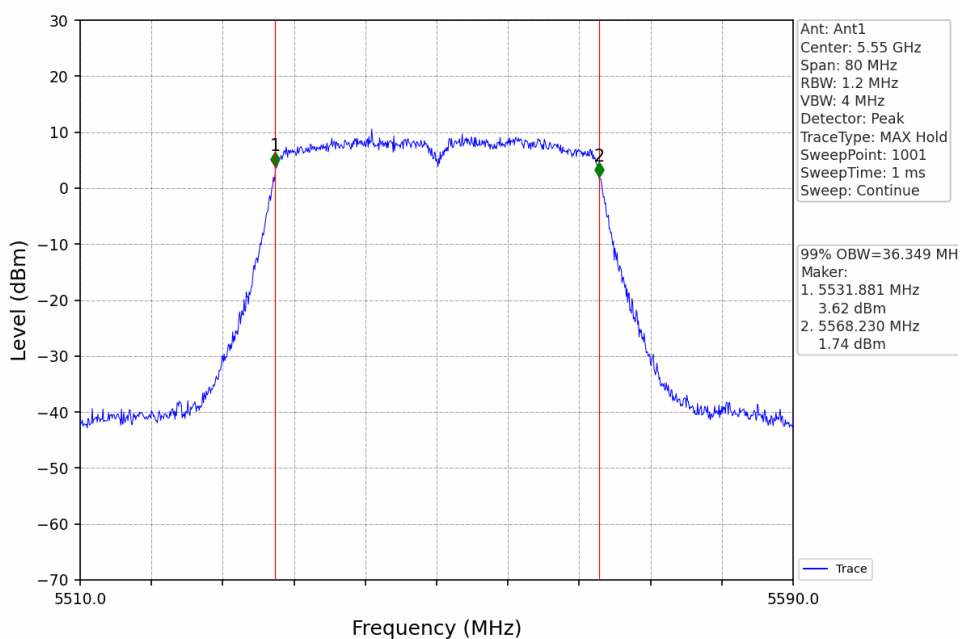
802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



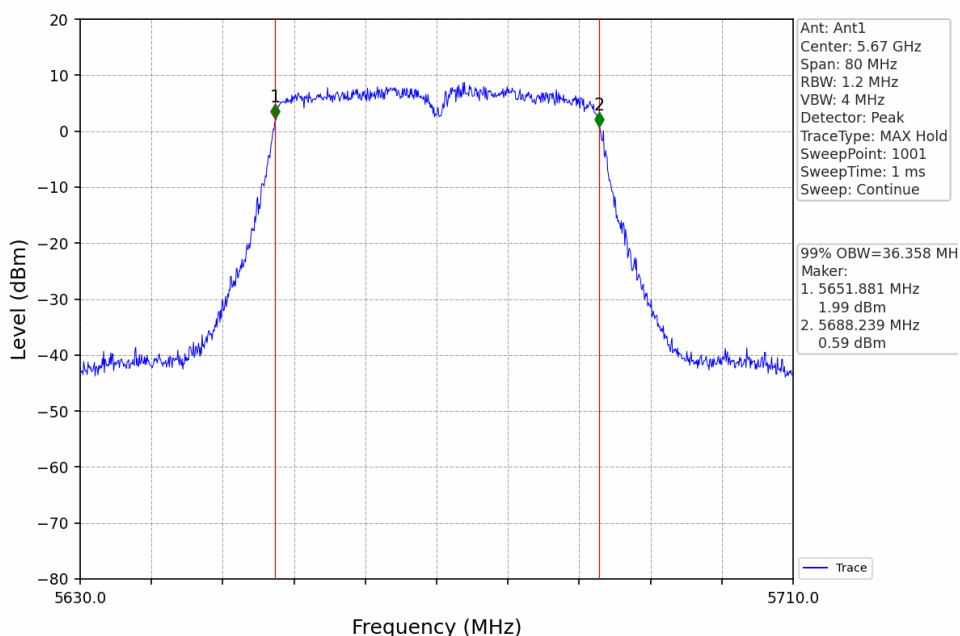
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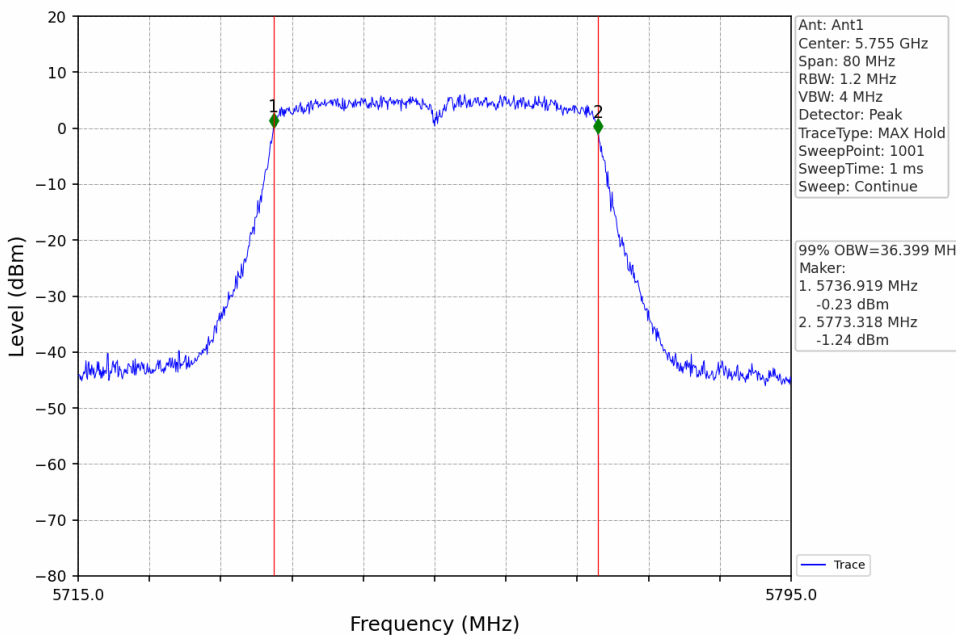
802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



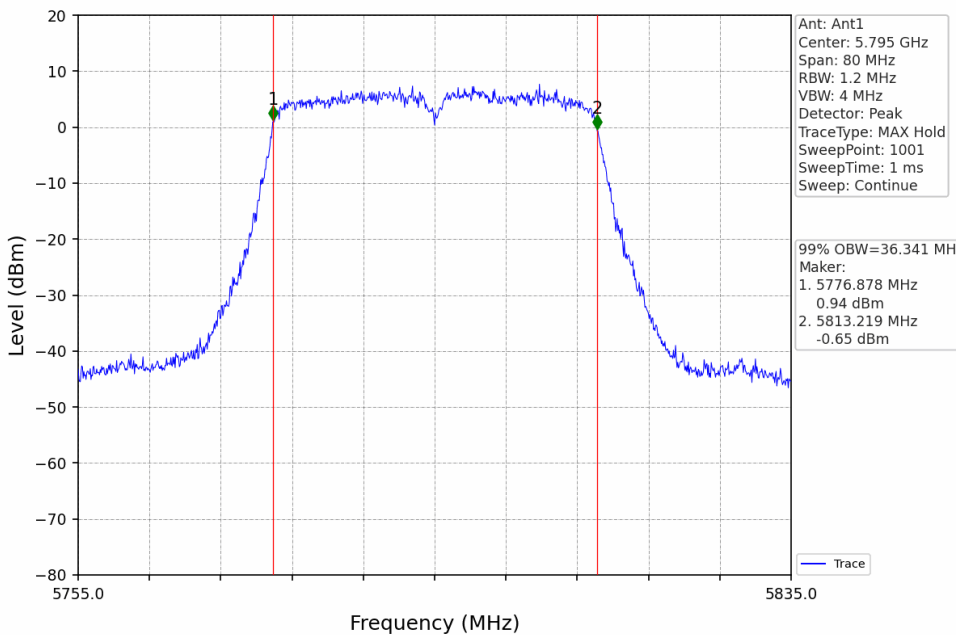
802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



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



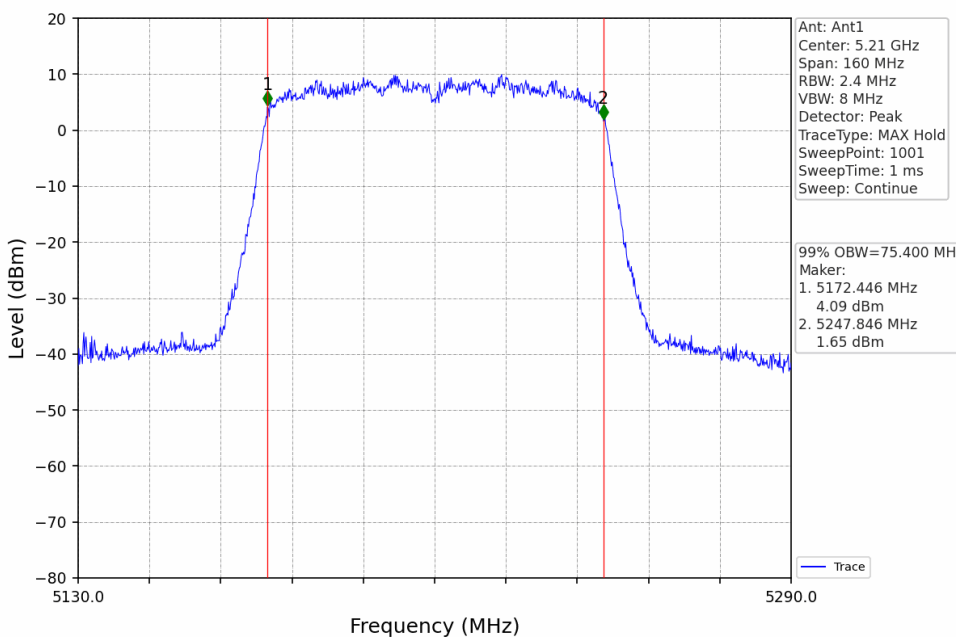
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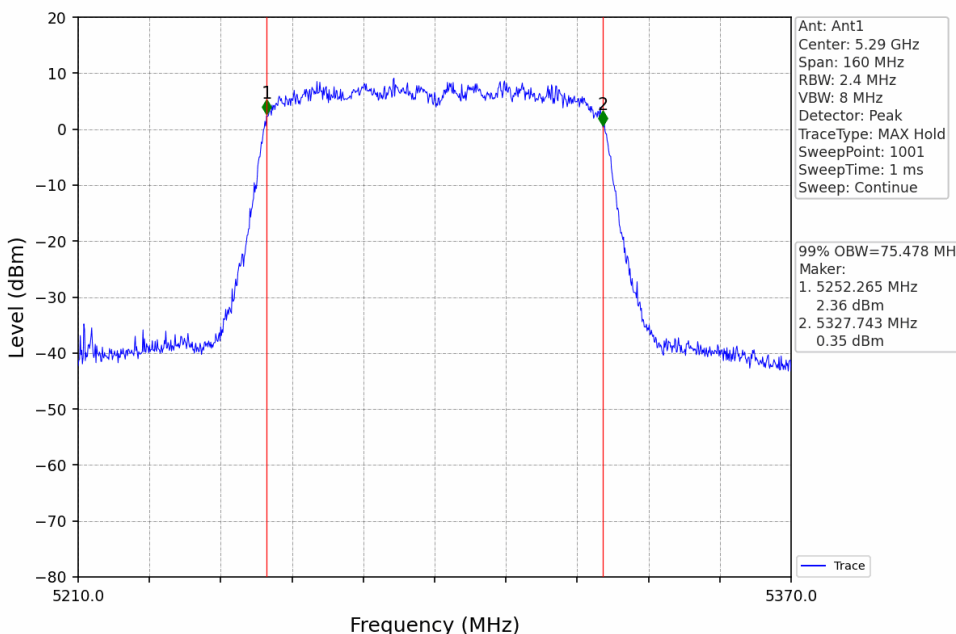
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV

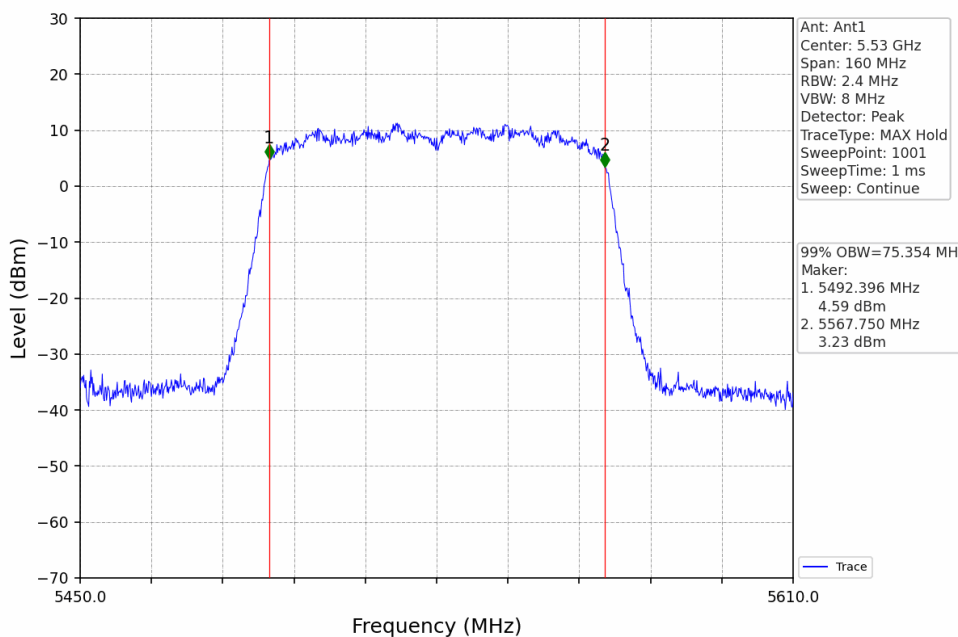


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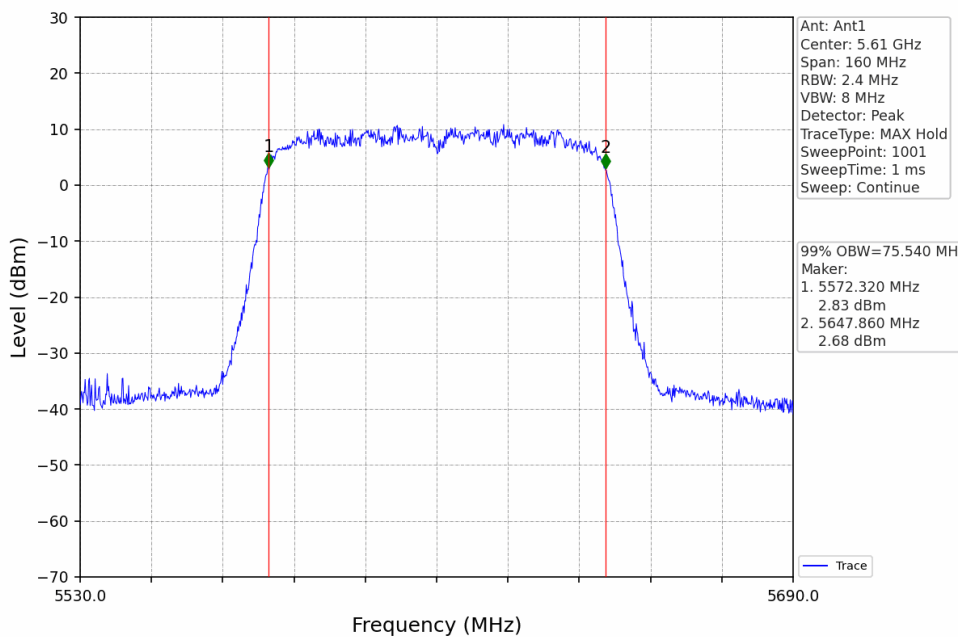




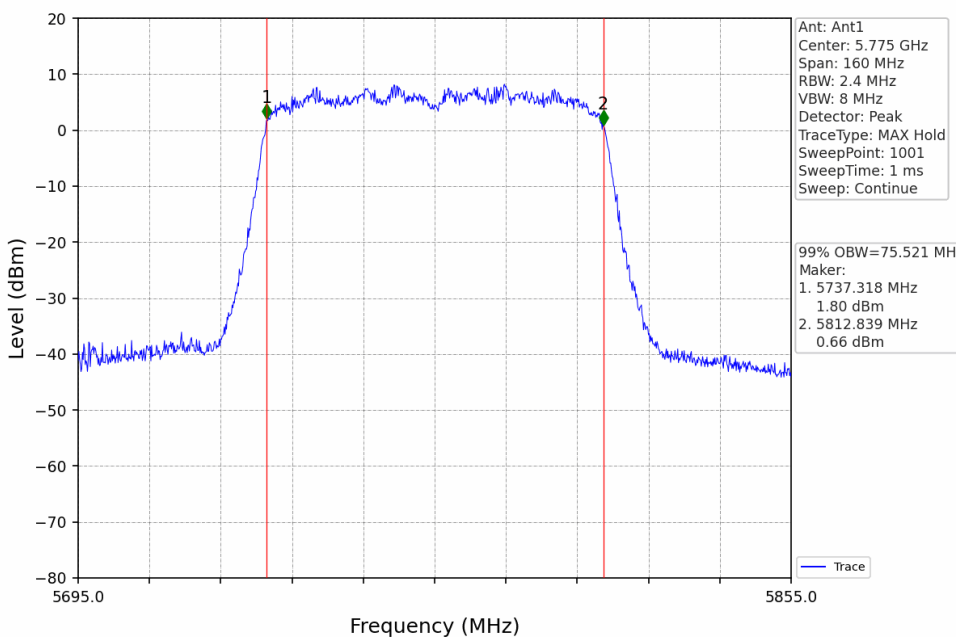
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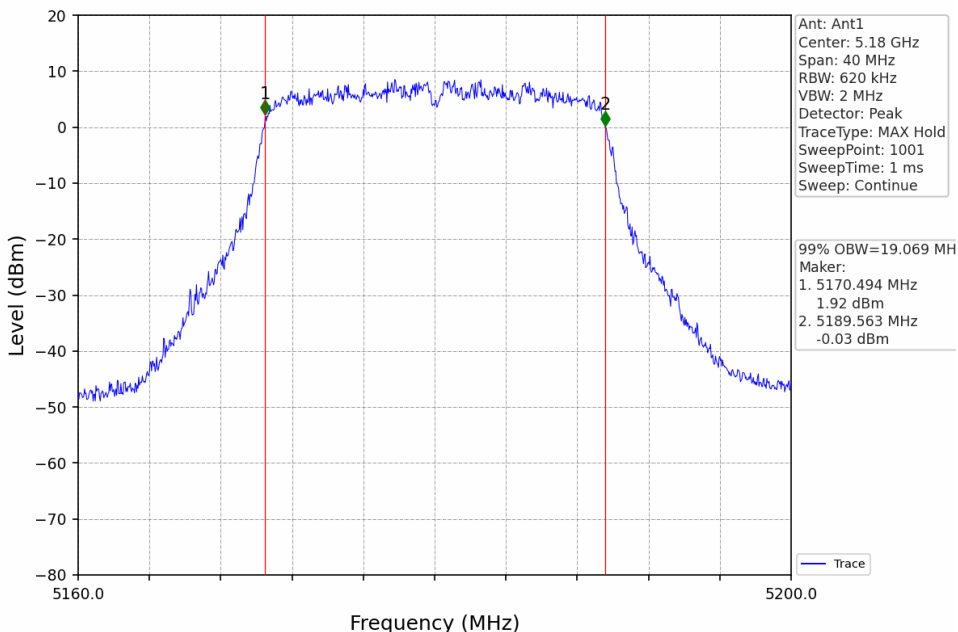
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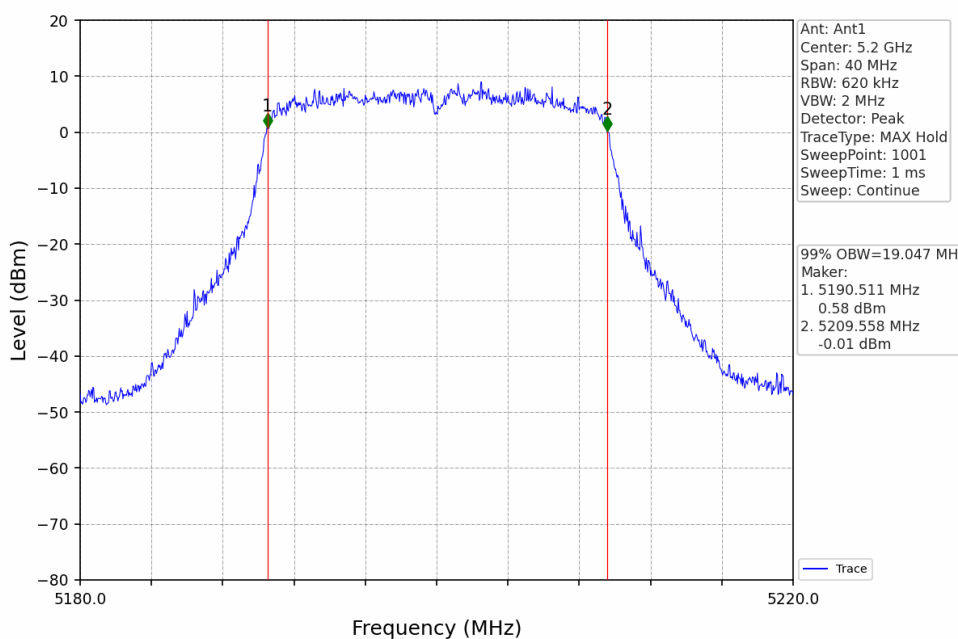
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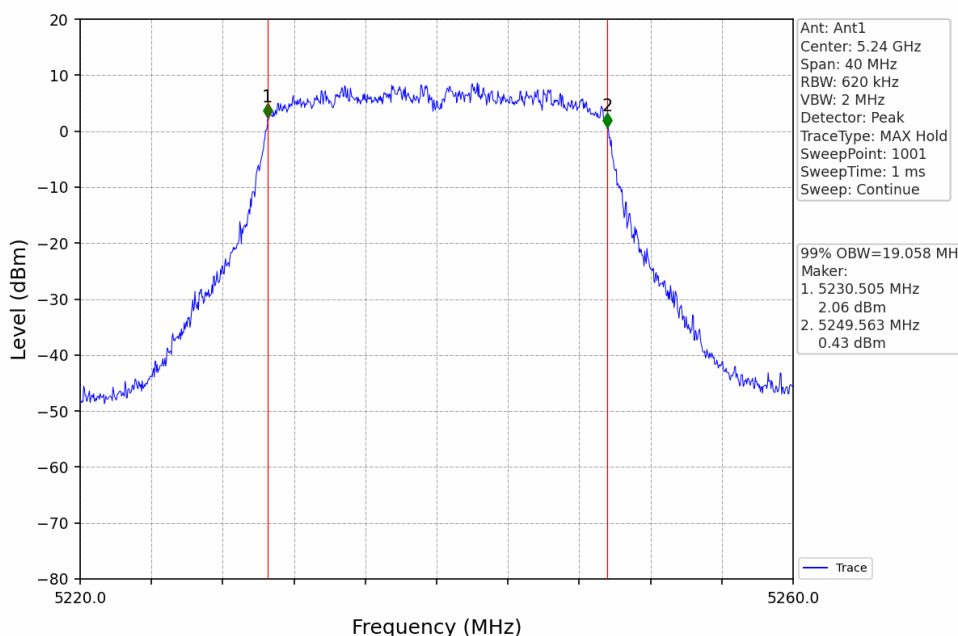
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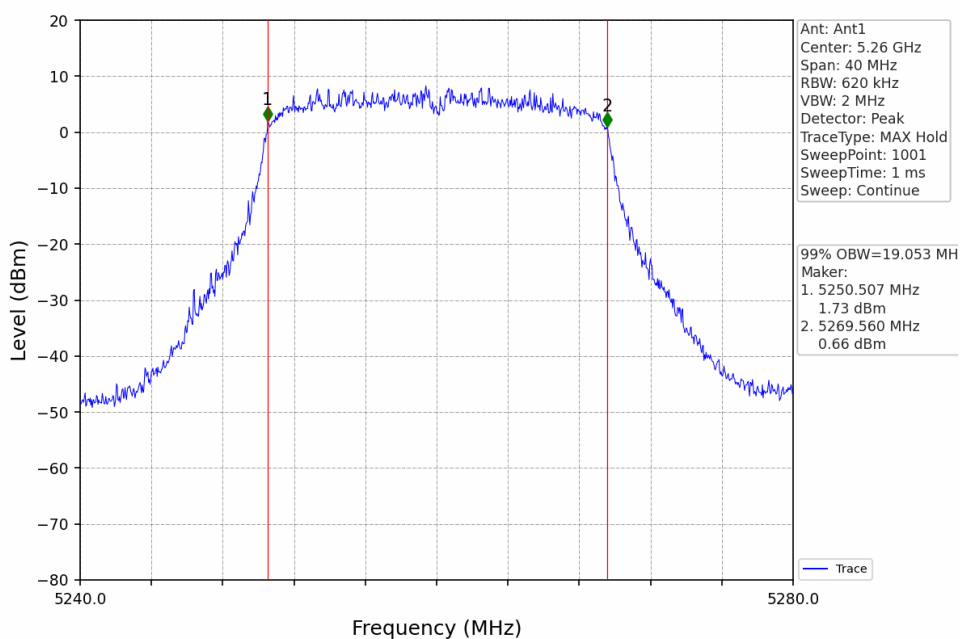
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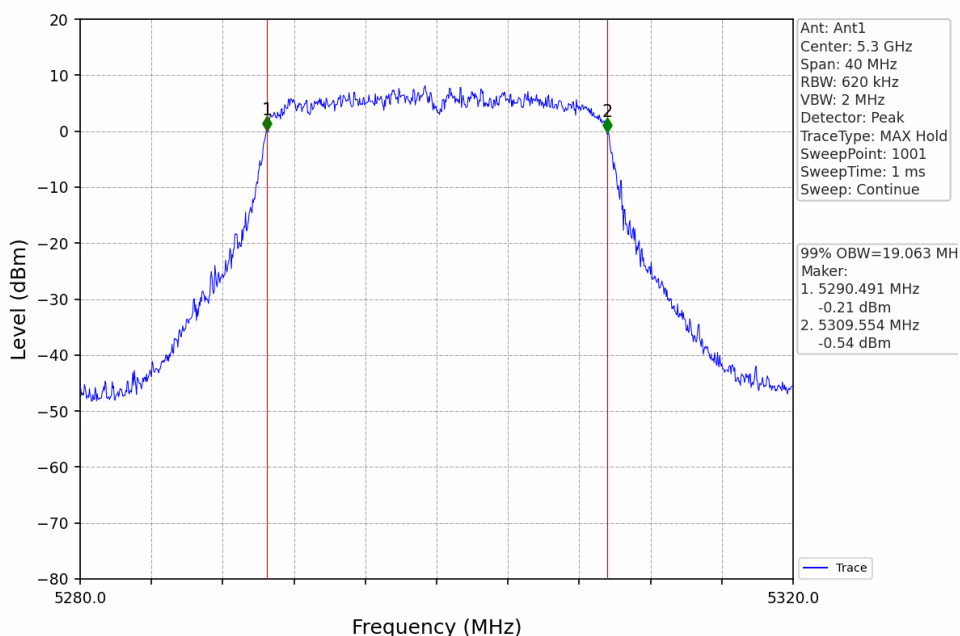
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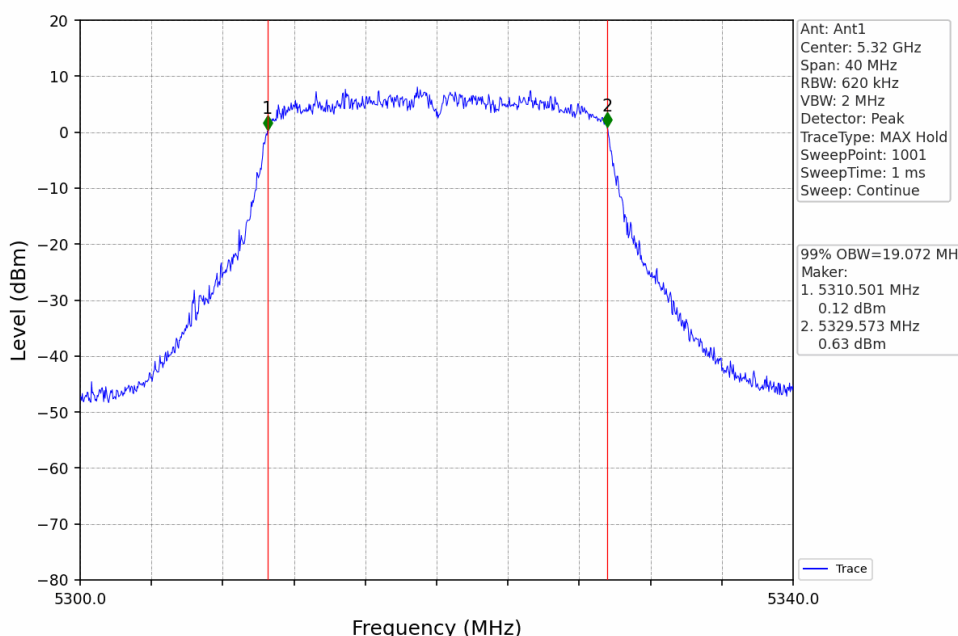


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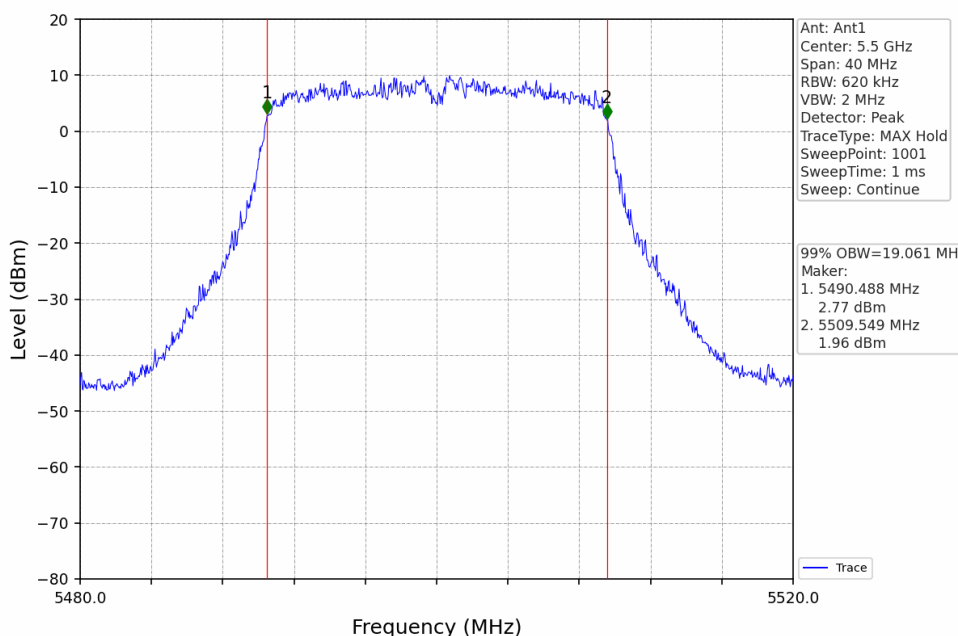




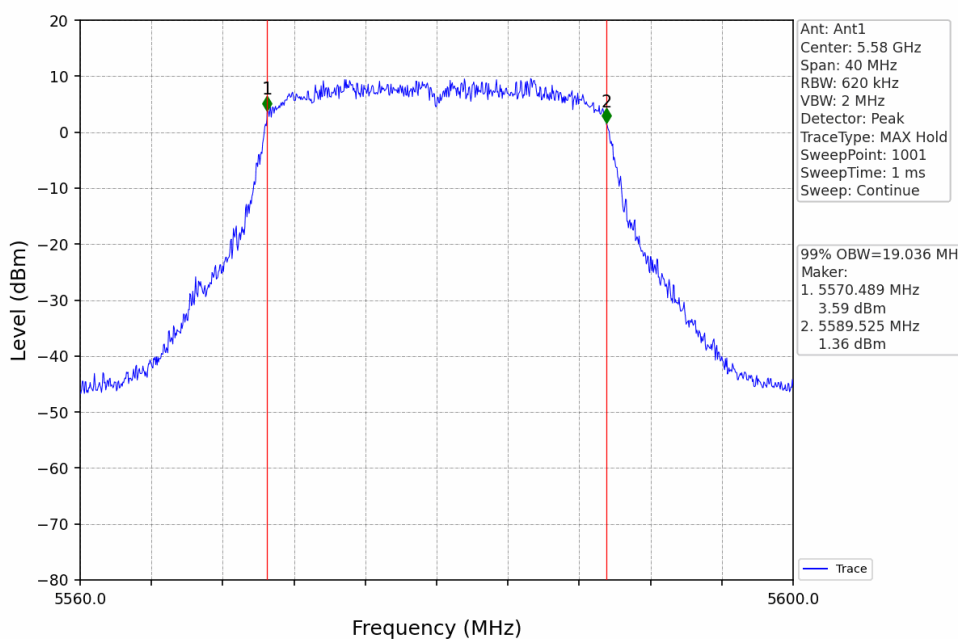
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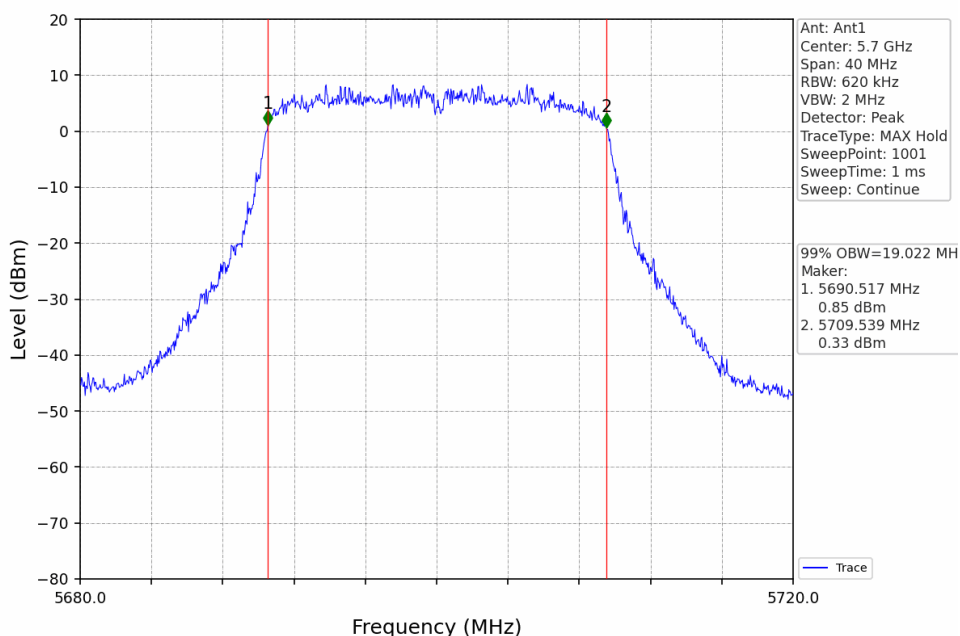
802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV



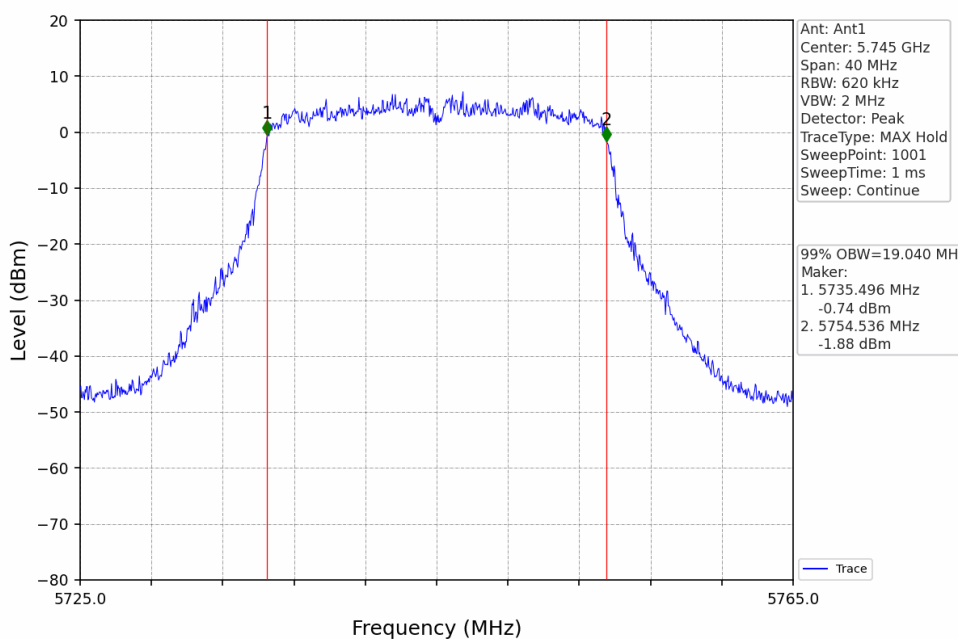
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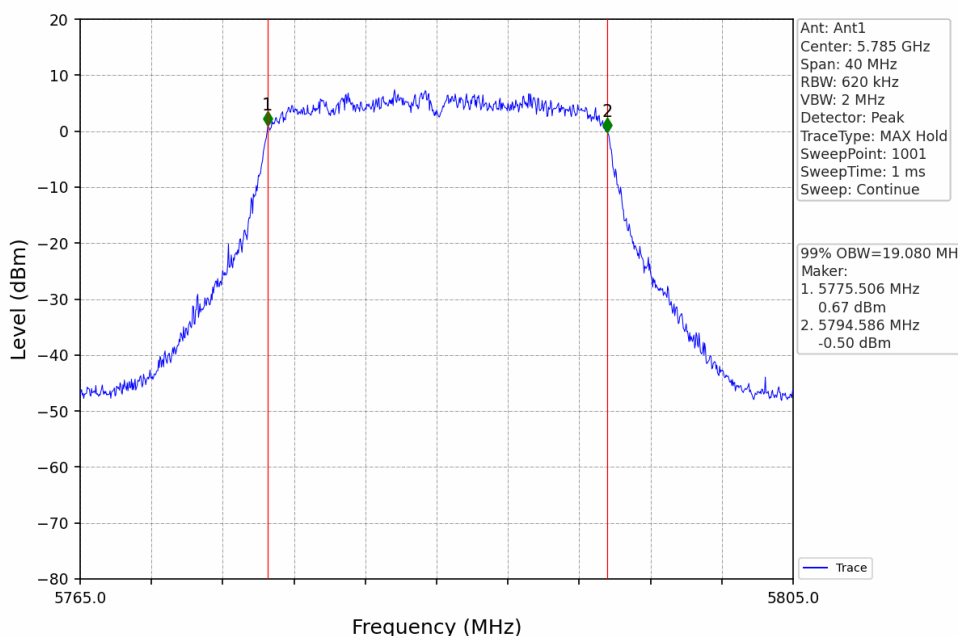
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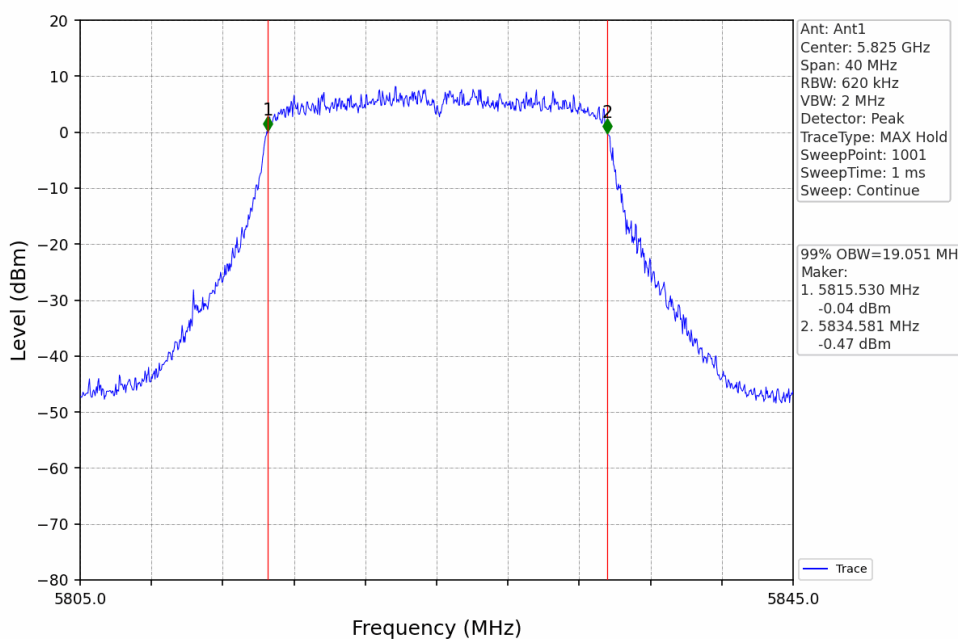
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



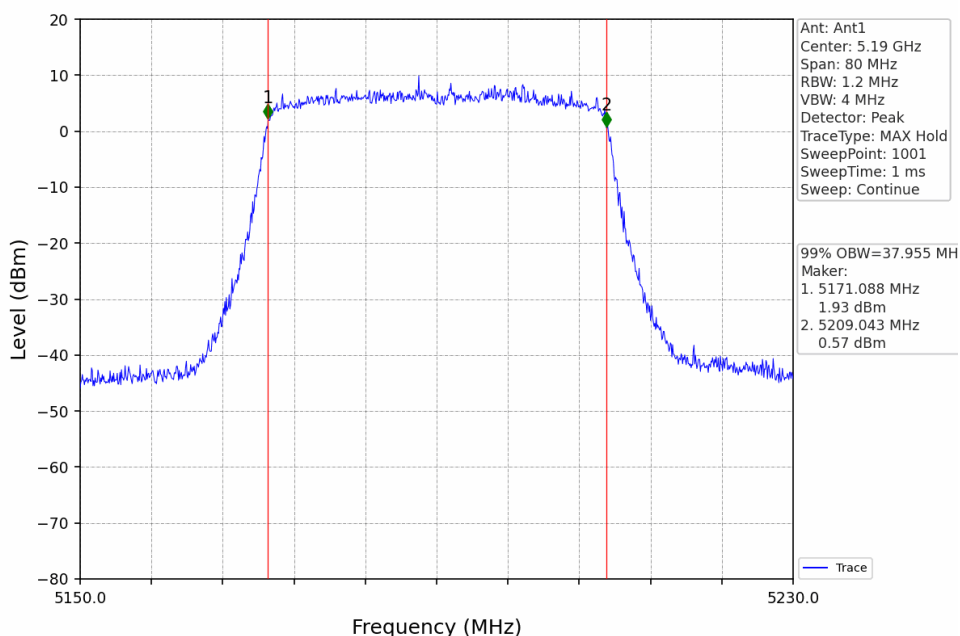
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



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

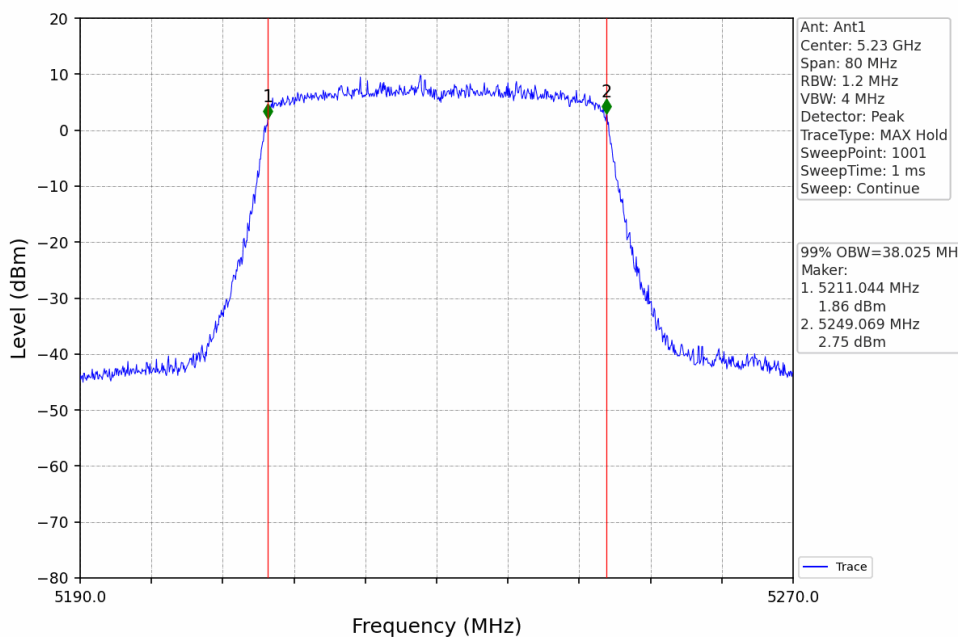


802.11ax(HEW40)\_LCH\_5190MHz\_RU484\_Left\_Ant1\_NTNV

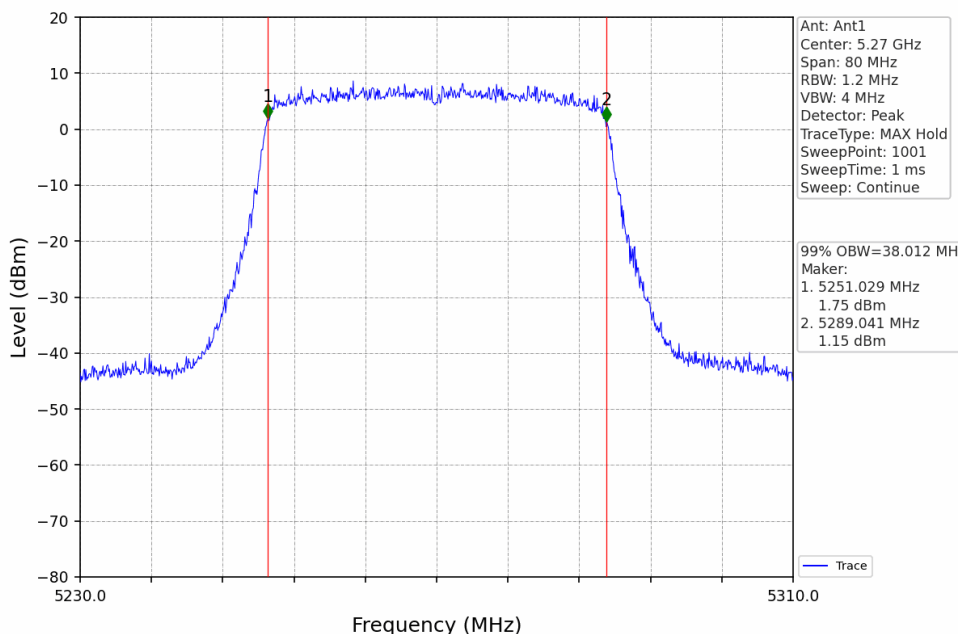




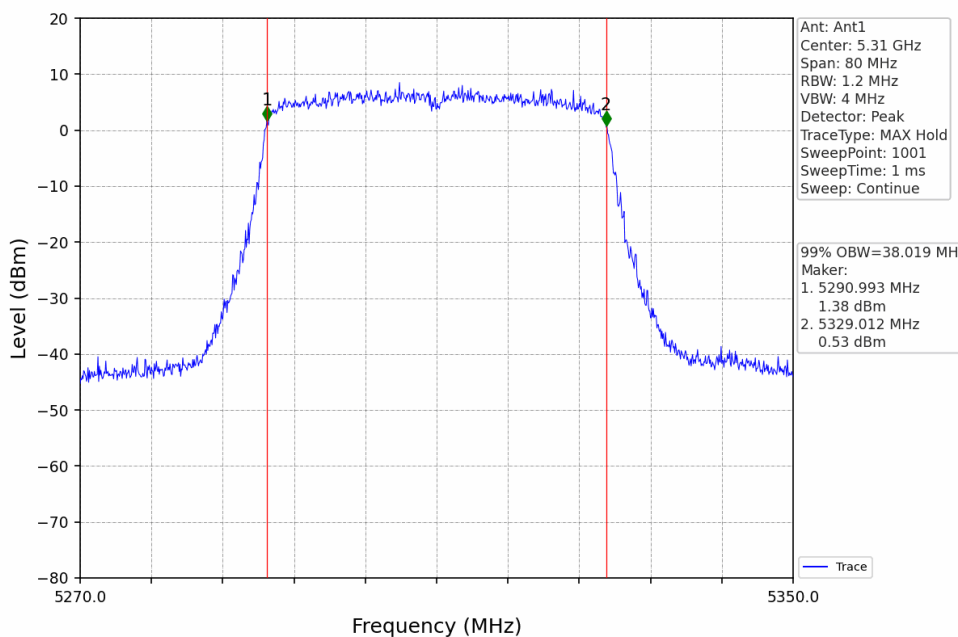
802.11ax(HEW40)\_HCH\_5230MHz\_RU484\_Left\_Ant1\_NTNV



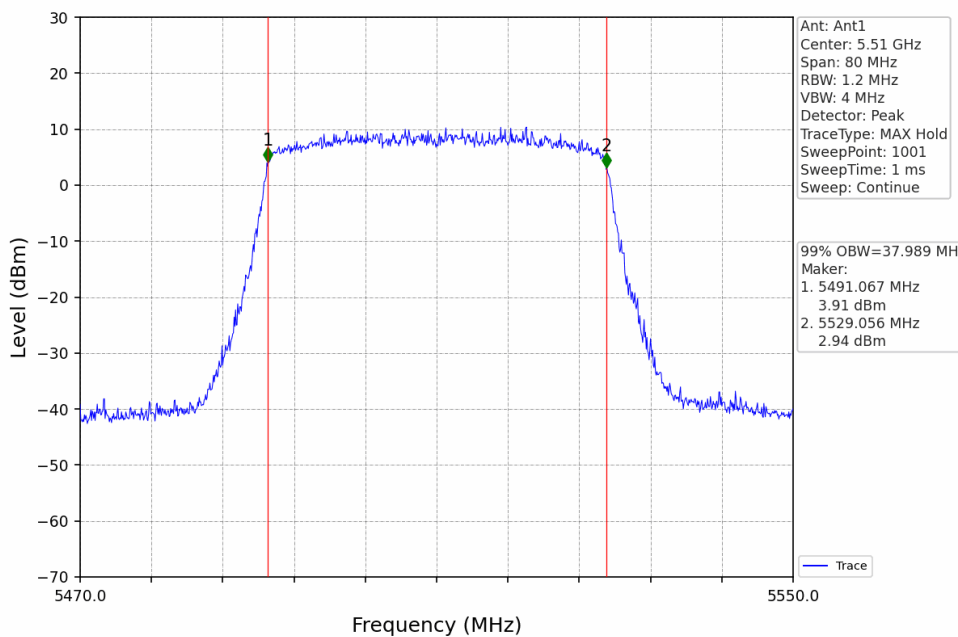
802.11ax(HEW40)\_LCH\_5270MHz\_RU484\_Left\_Ant1\_NTNV



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



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

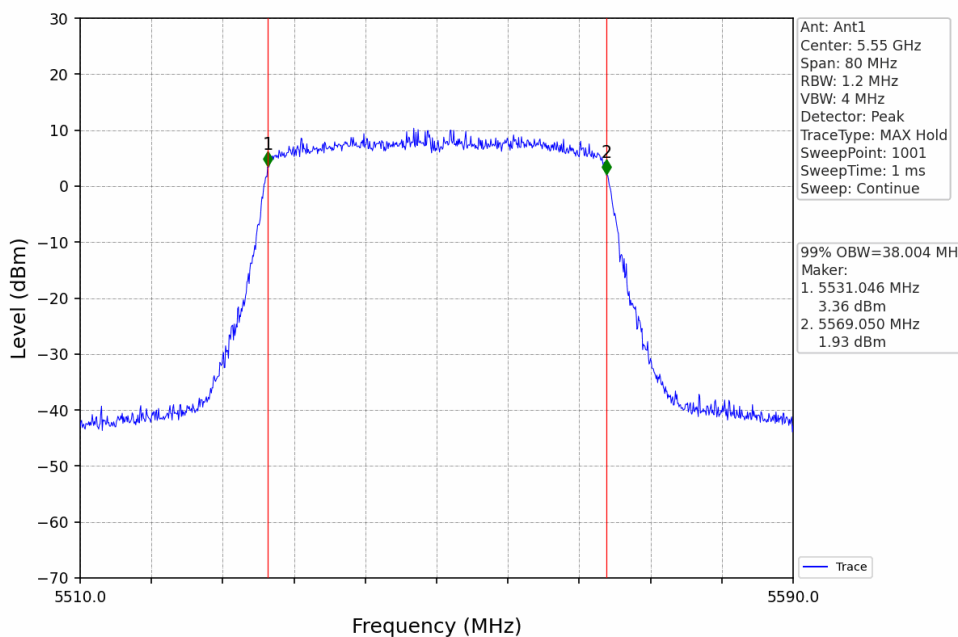


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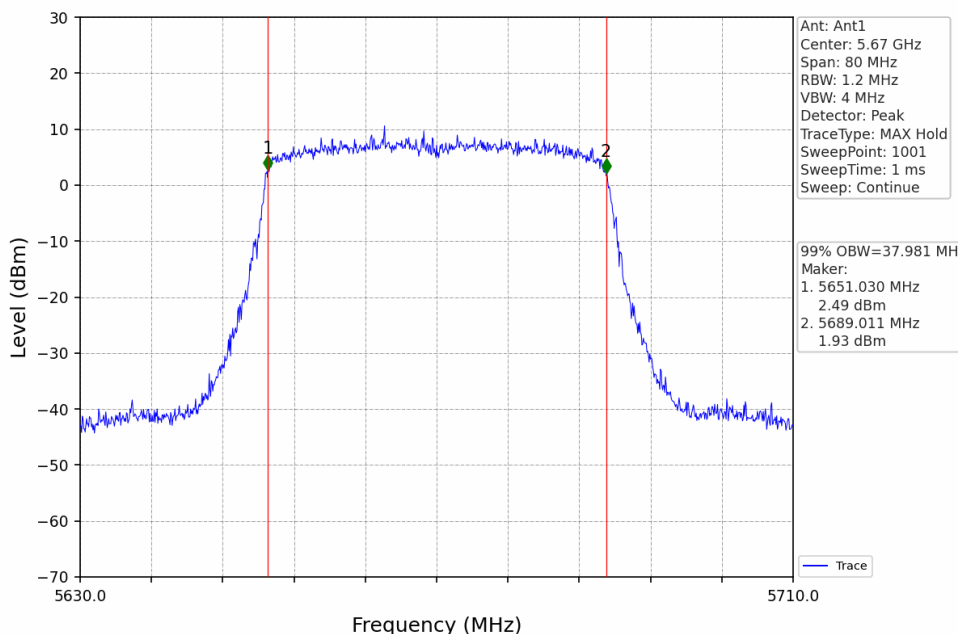
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Guangzhou Branch Technical Services EEC Laboratory 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

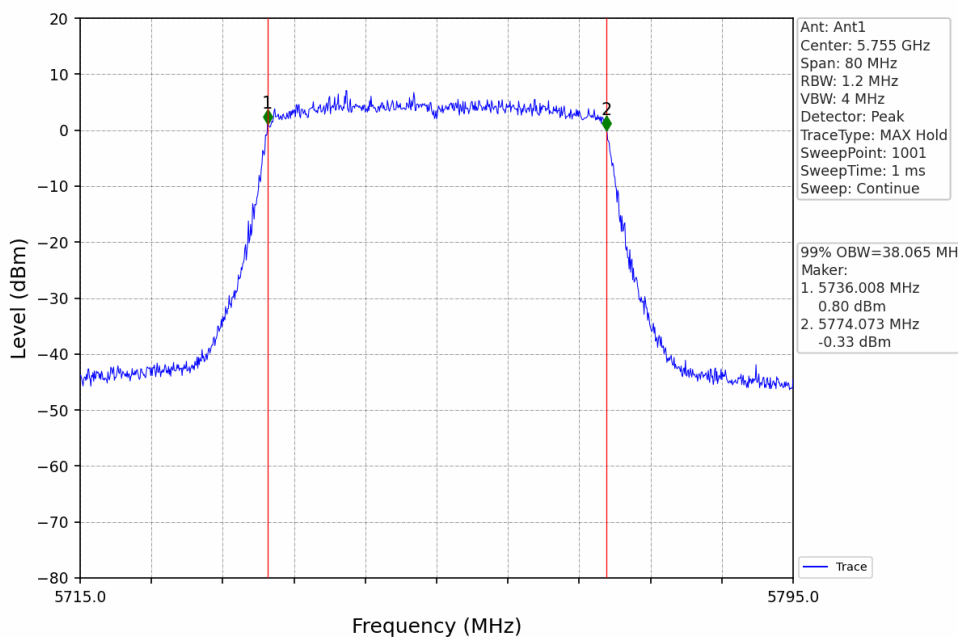
802.11ax(HEW40)\_MCH\_5550MHz\_RU484\_Left\_Ant1\_NTNV



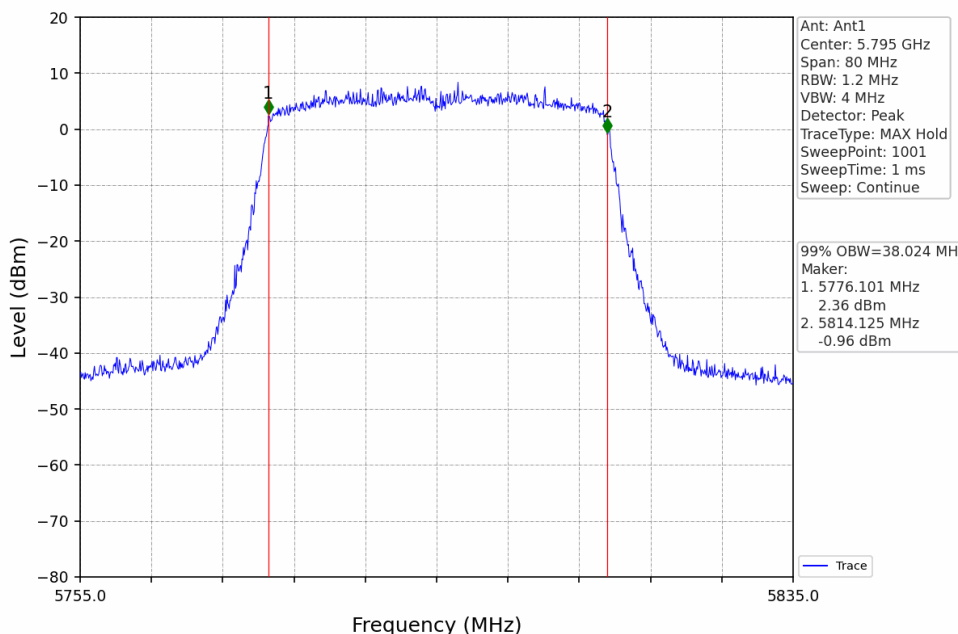
802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant1\_NTNV



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

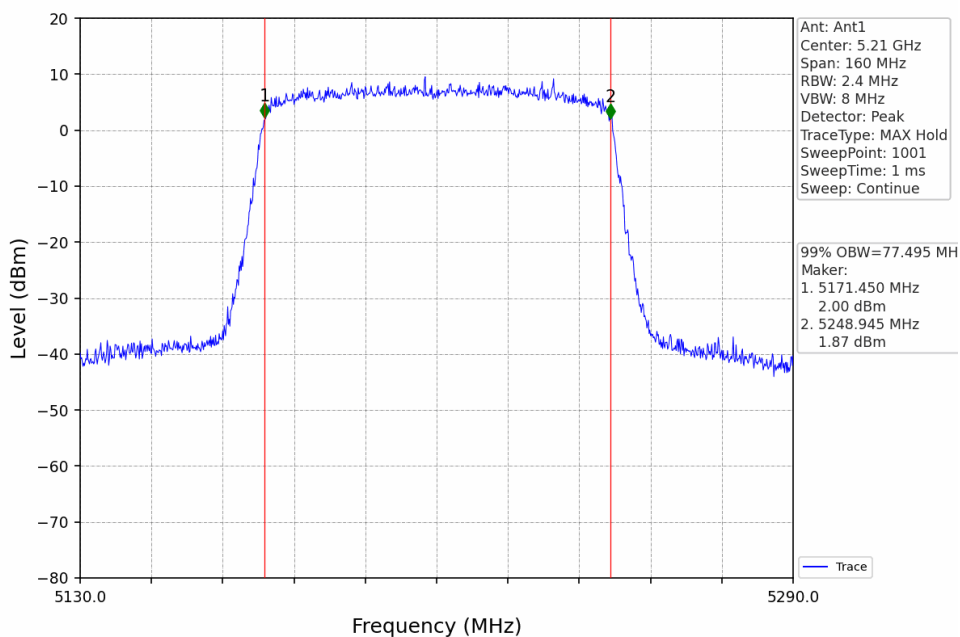


802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV

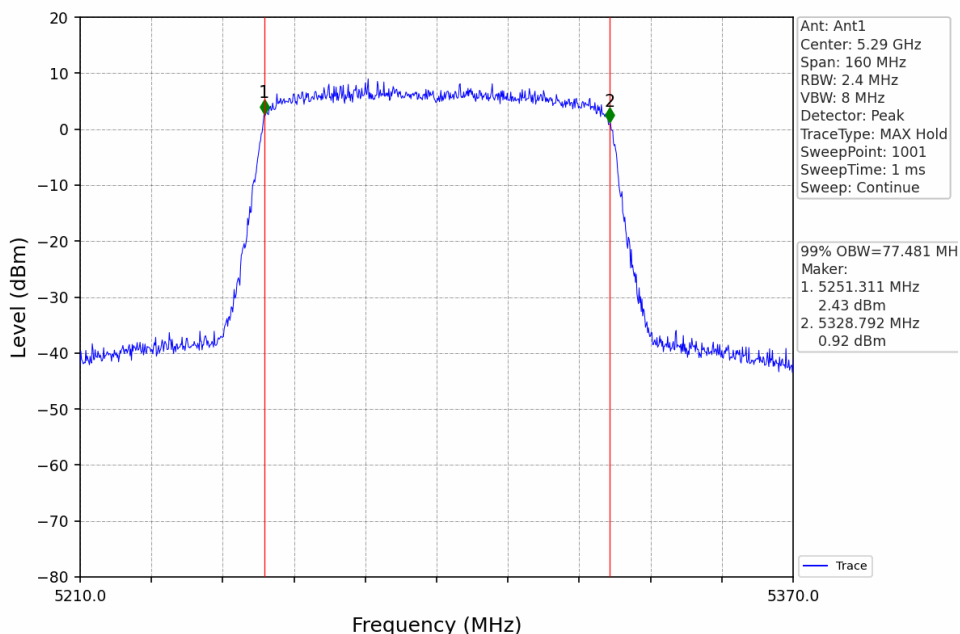




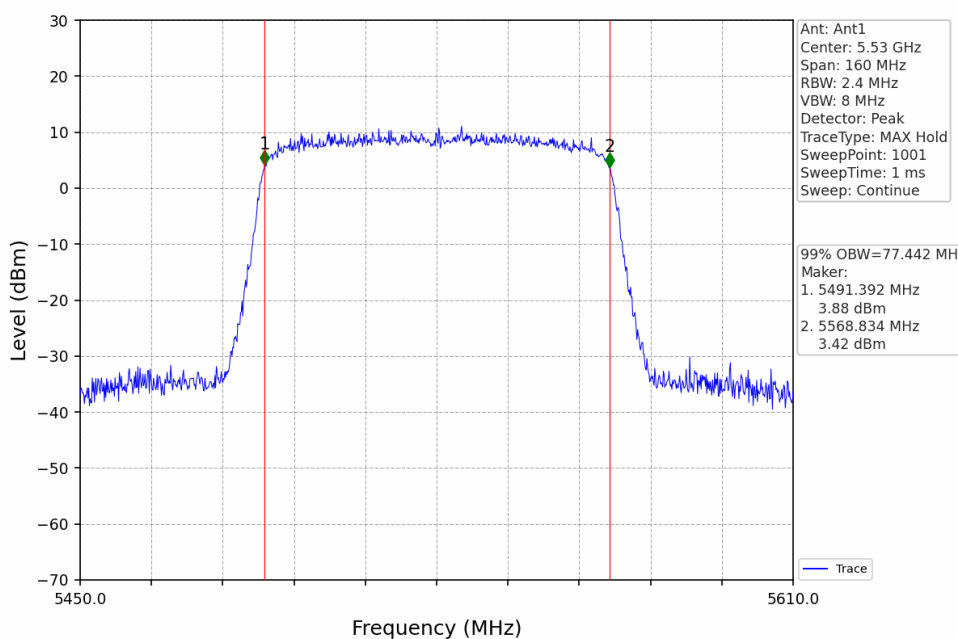
802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV



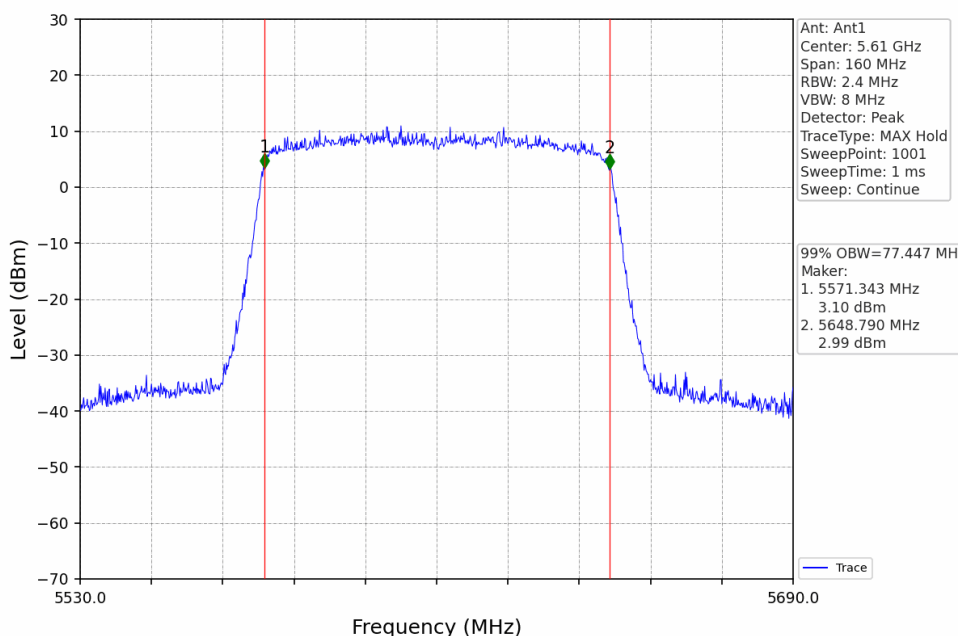
802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant1\_NTNV



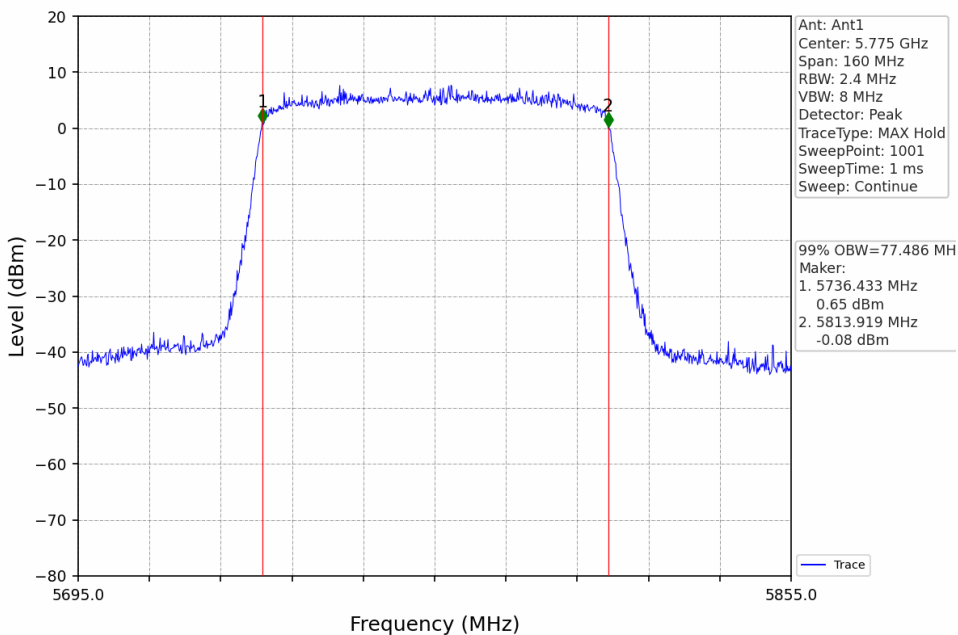
802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant1\_NTNV



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



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



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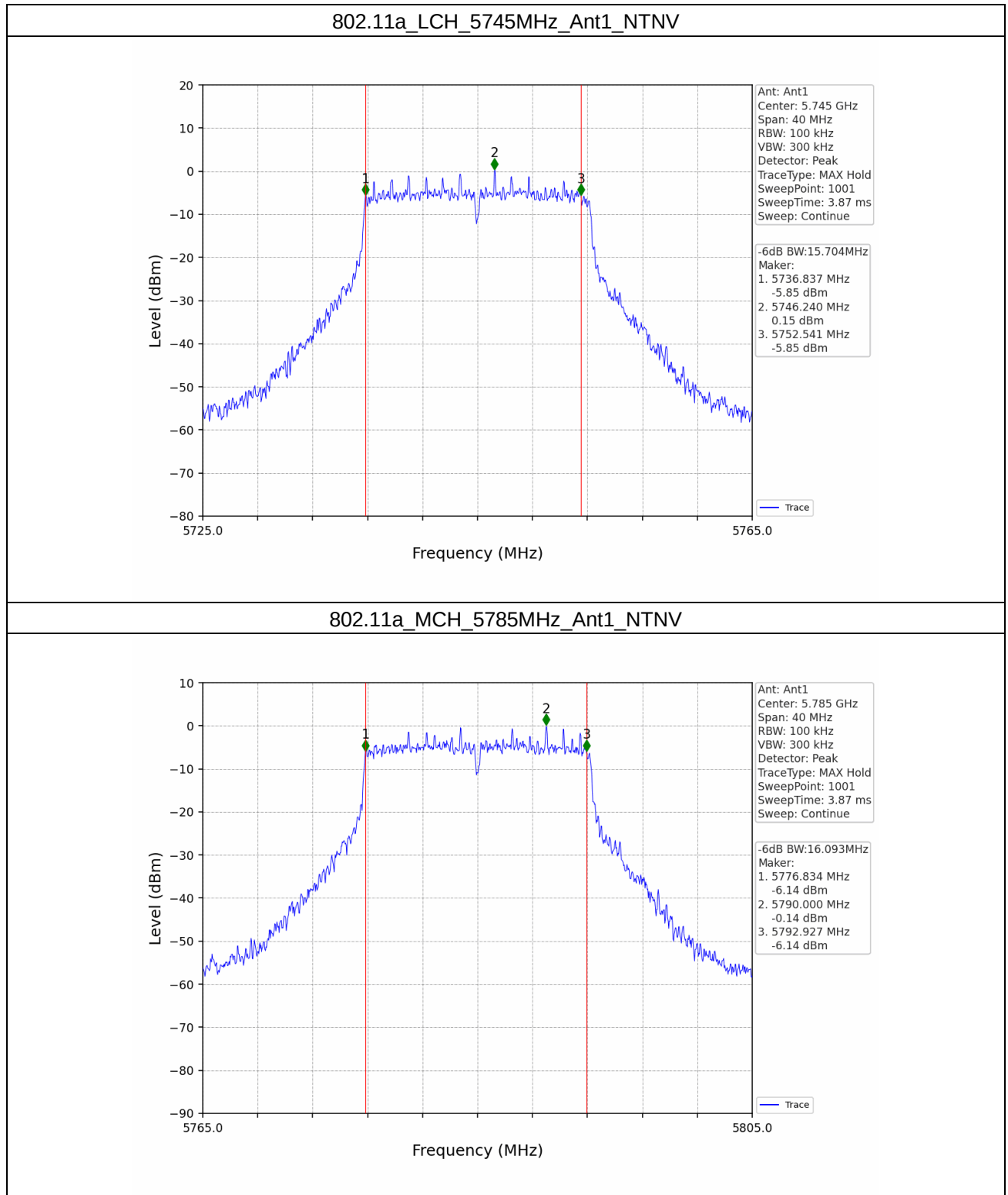
## 2.2 6dB BW

## 2.2.1 Test Result

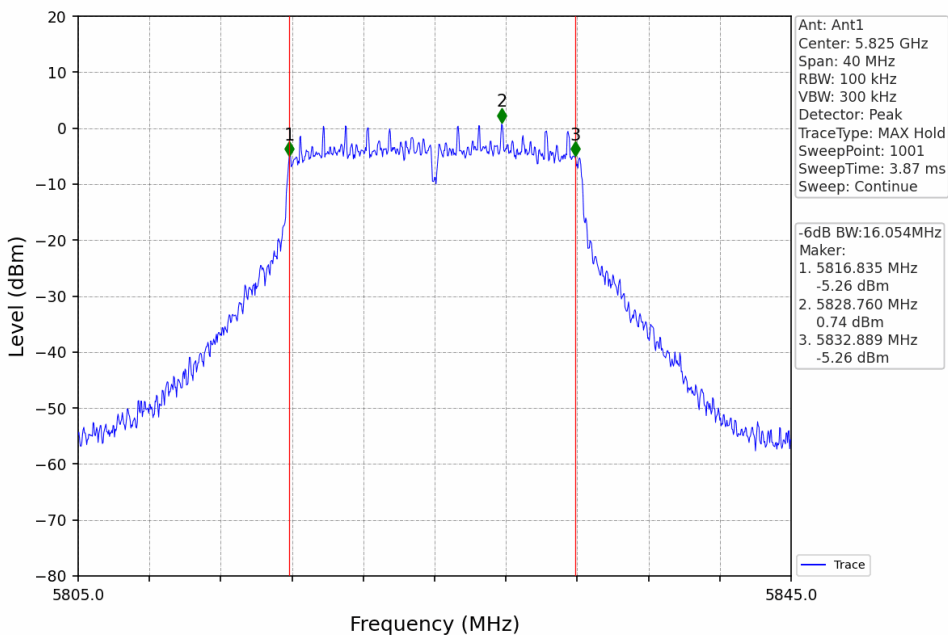
| Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | ANT | 6dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-------|--------|-----|---------------------|-------|---------|
|                  |         |                 |       |        |     | Result              | Limit |         |
| 802.11a          | SISO    | 5745            | /     | /      | 1   | 15.704              | >=0.5 | Pass    |
|                  |         | 5785            | /     | /      | 1   | 16.093              | >=0.5 | Pass    |
|                  |         | 5825            | /     | /      | 1   | 16.054              | >=0.5 | Pass    |
| 802.11n (HT20)   | MIMO    | 5745            | /     | /      | 1   | 16.889              | >=0.5 | Pass    |
|                  |         | 5785            | /     | /      | 1   | 16.838              | >=0.5 | Pass    |
|                  |         | 5825            | /     | /      | 1   | 16.558              | >=0.5 | Pass    |
| 802.11n (HT40)   | MIMO    | 5755            | /     | /      | 1   | 35.748              | >=0.5 | Pass    |
|                  |         | 5795            | /     | /      | 1   | 36.342              | >=0.5 | Pass    |
| 802.11ac (VHT20) | MIMO    | 5745            | /     | /      | 1   | 16.859              | >=0.5 | Pass    |
|                  |         | 5785            | /     | /      | 1   | 16.432              | >=0.5 | Pass    |
|                  |         | 5825            | /     | /      | 1   | 15.967              | >=0.5 | Pass    |
| 802.11ac (VHT40) | MIMO    | 5755            | /     | /      | 1   | 36.308              | >=0.5 | Pass    |
|                  |         | 5795            | /     | /      | 1   | 35.939              | >=0.5 | Pass    |
| 802.11ac (VHT80) | MIMO    | 5775            | /     | /      | 1   | 75.127              | >=0.5 | Pass    |
| 802.11ax (HEW20) | MIMO    | 5745            | RU242 | Left   | 1   | 18.690              | >=0.5 | Pass    |
|                  |         | 5785            | RU242 | Left   | 1   | 18.474              | >=0.5 | Pass    |
|                  |         | 5825            | RU242 | Left   | 1   | 18.398              | >=0.5 | Pass    |
| 802.11ax (HEW40) | MIMO    | 5755            | RU484 | Left   | 1   | 37.806              | >=0.5 | Pass    |
|                  |         | 5795            | RU484 | Left   | 1   | 37.816              | >=0.5 | Pass    |
| 802.11ax (HEW80) | MIMO    | 5775            | RU996 | Left   | 1   | 76.087              | >=0.5 | Pass    |



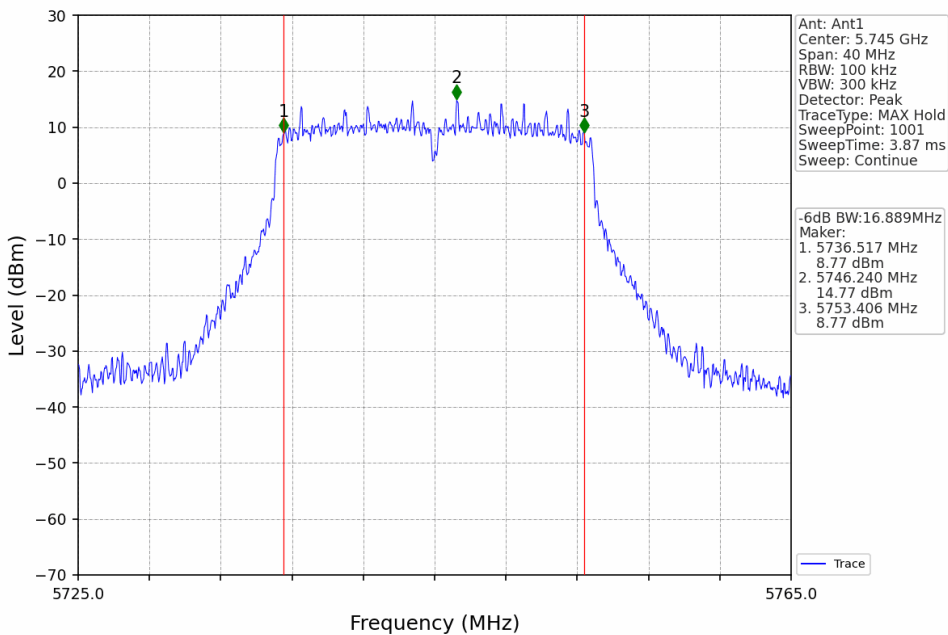
## 2.2.2 Test Graph



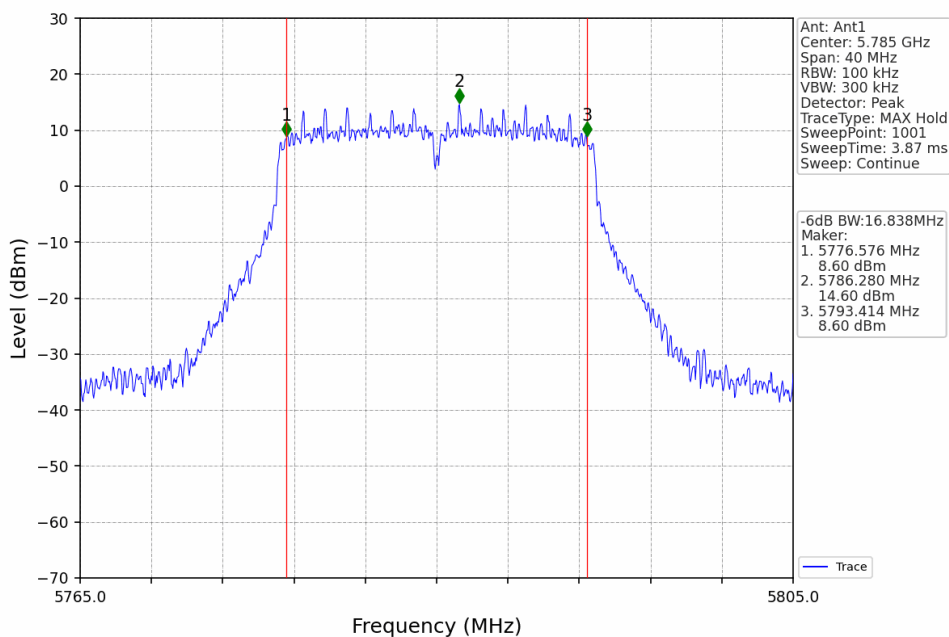
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



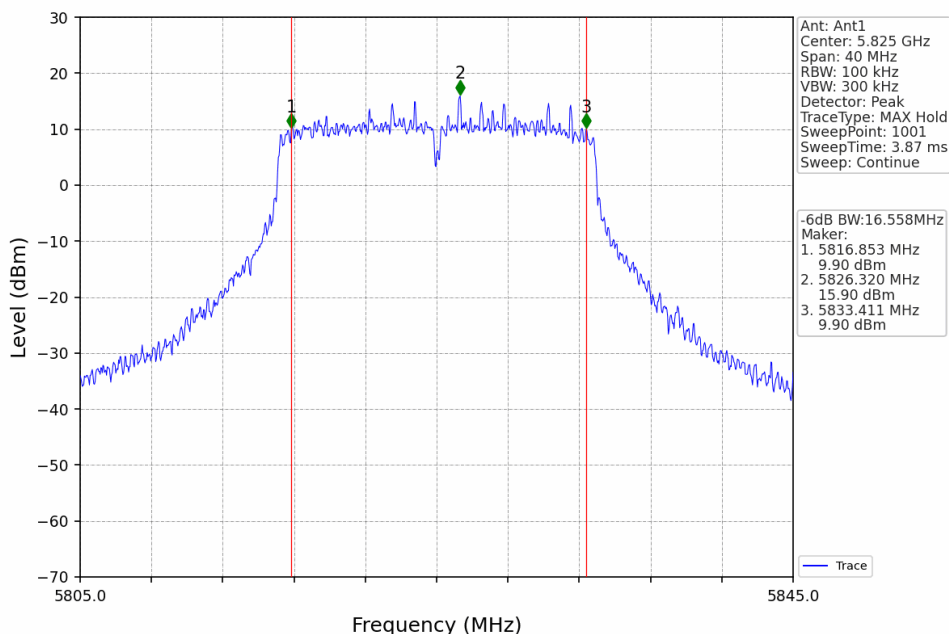
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



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

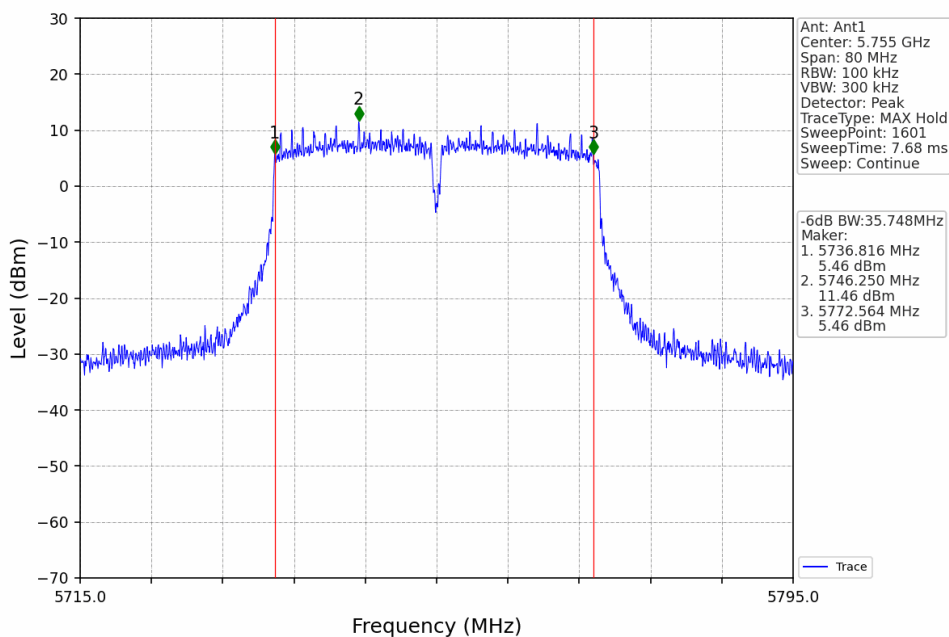


802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

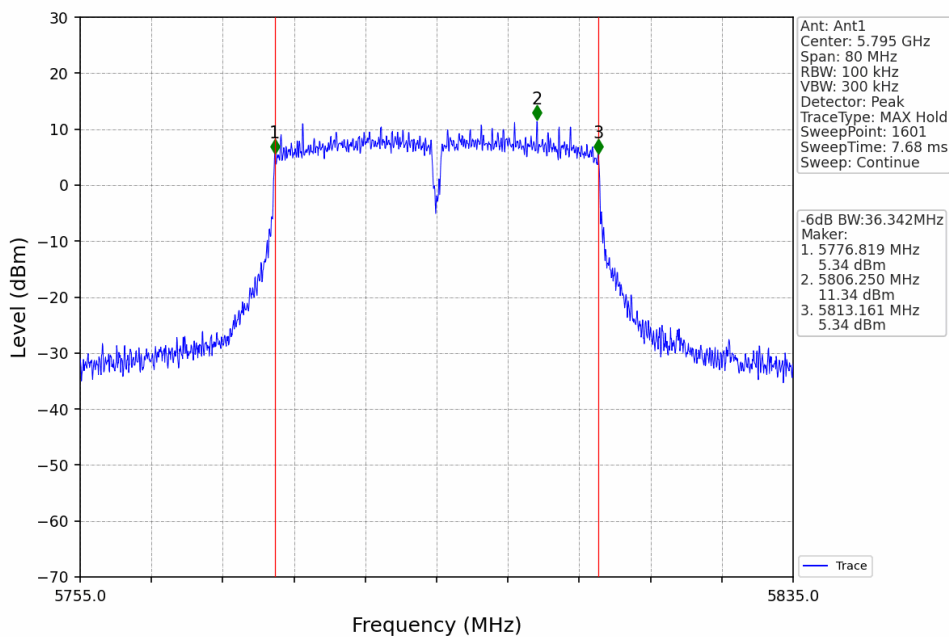


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### 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



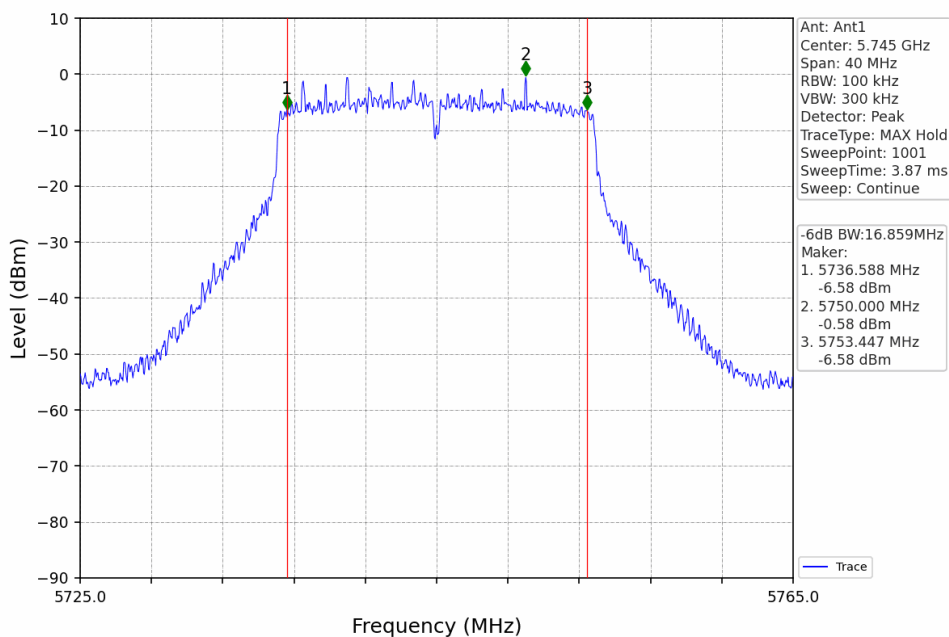
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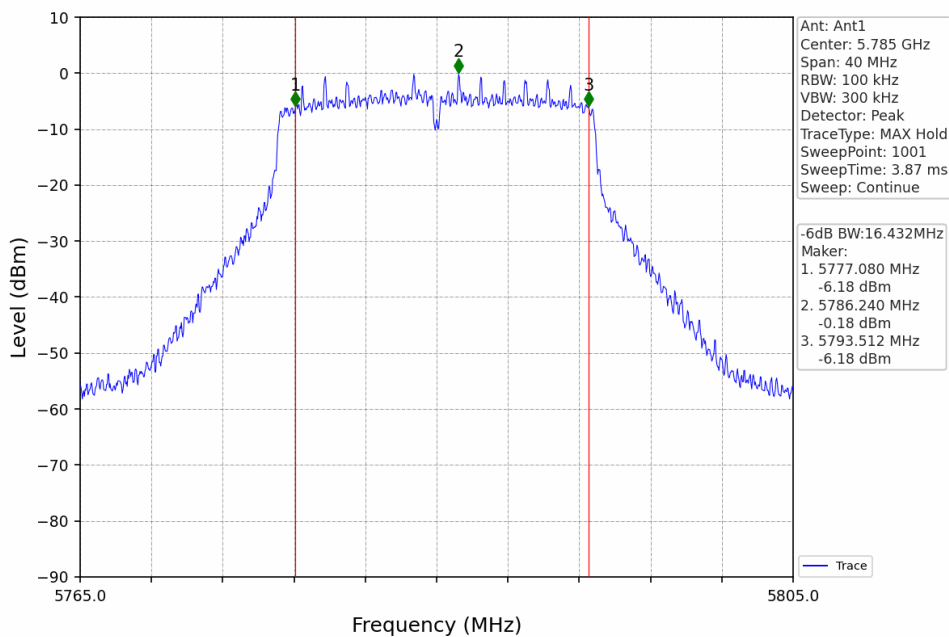
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



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

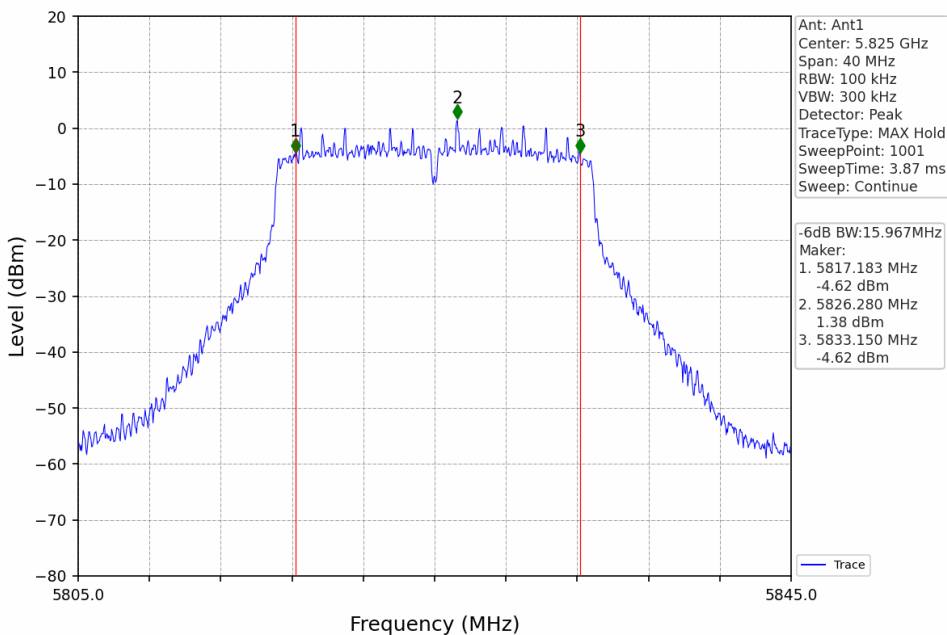


802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV

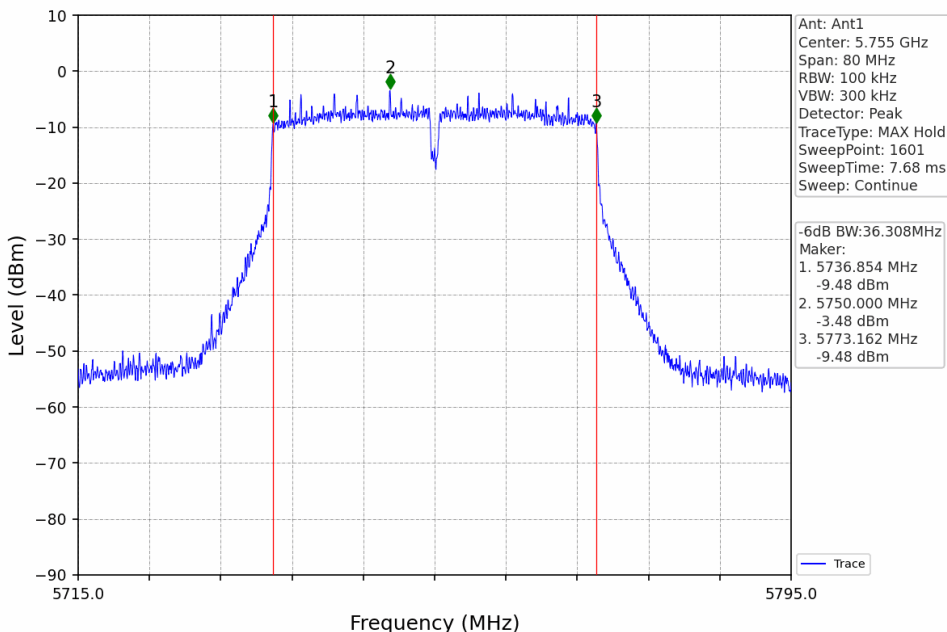


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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV

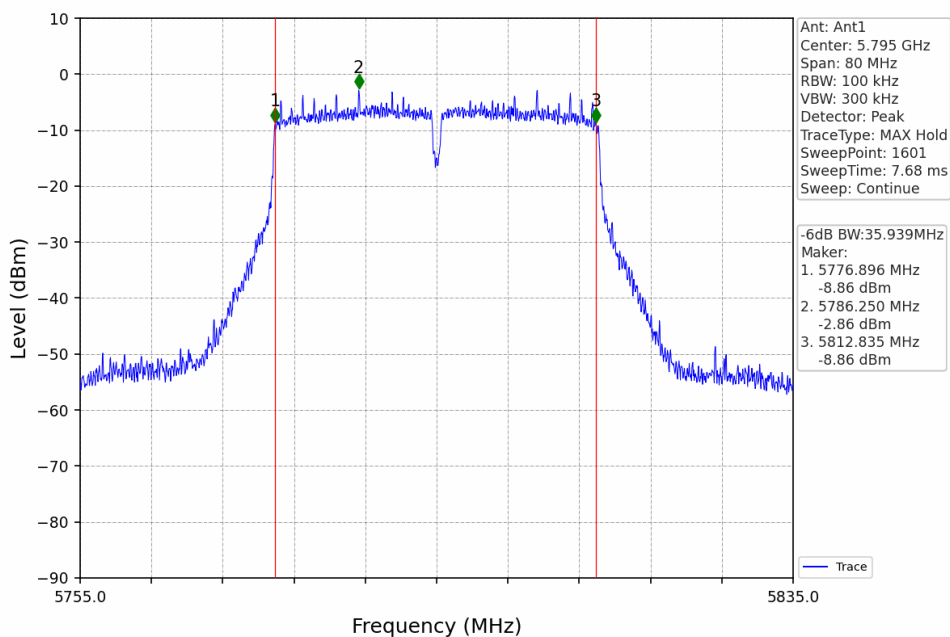


802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV

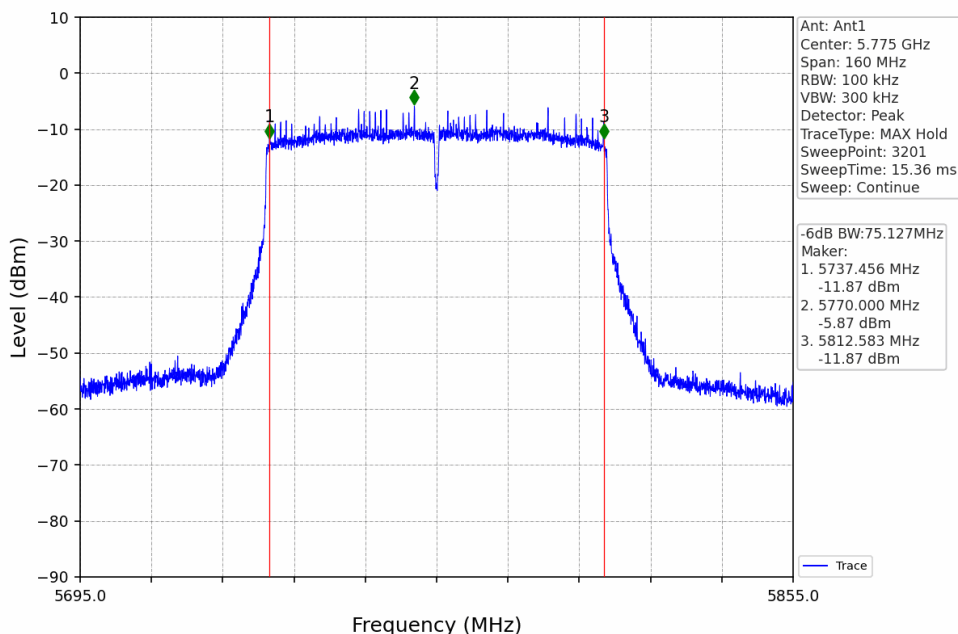


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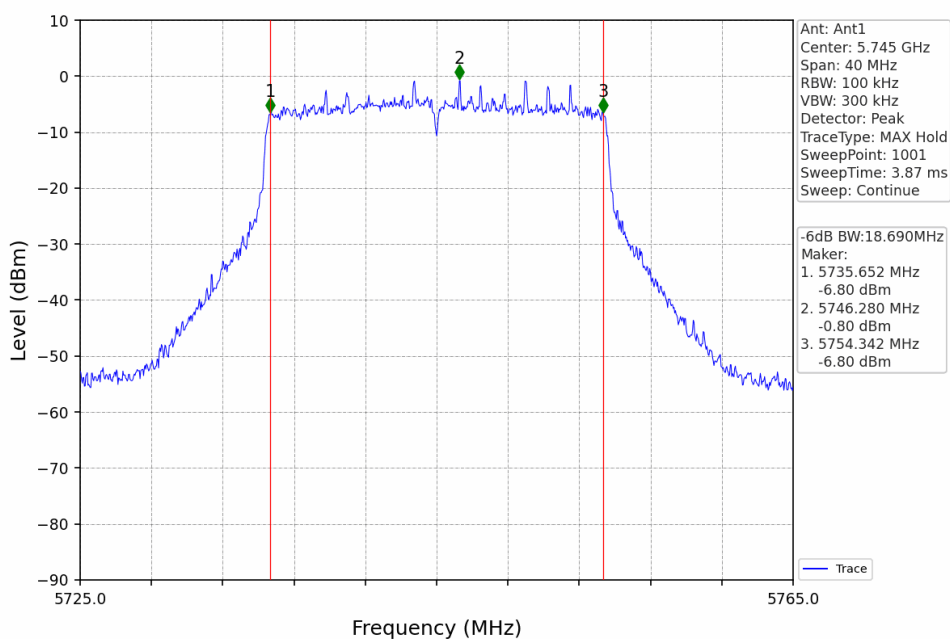
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



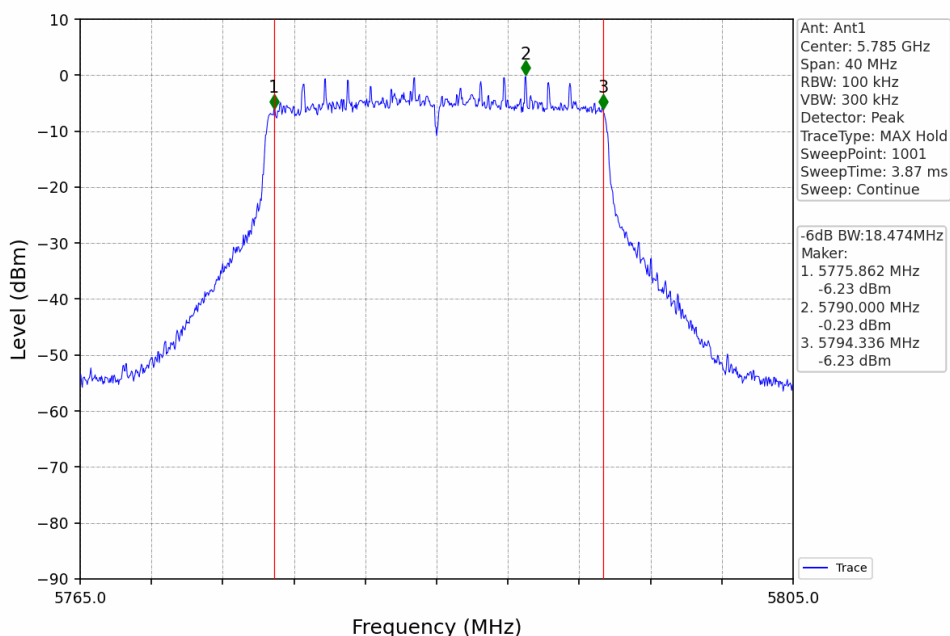
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



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

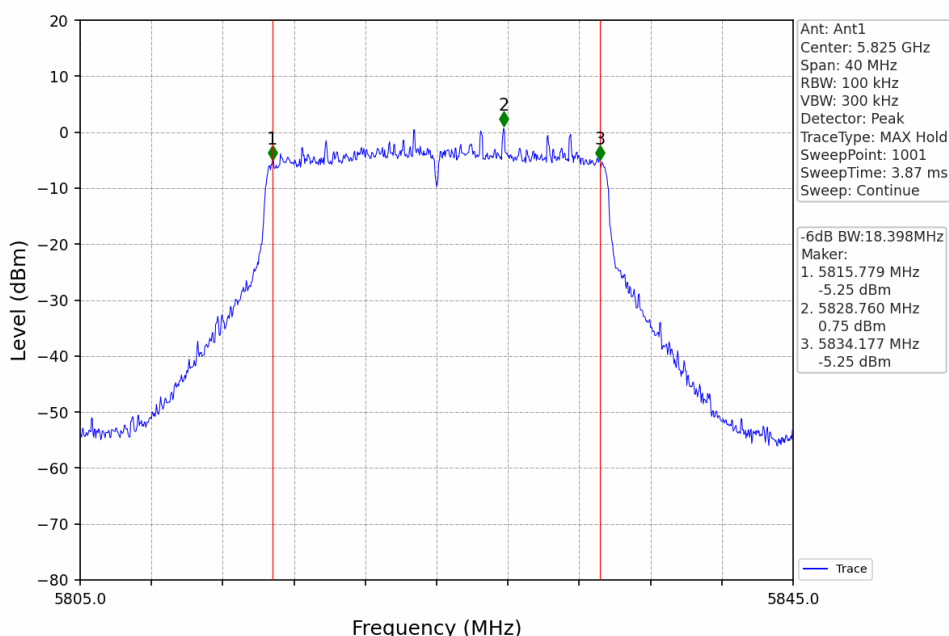


802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV

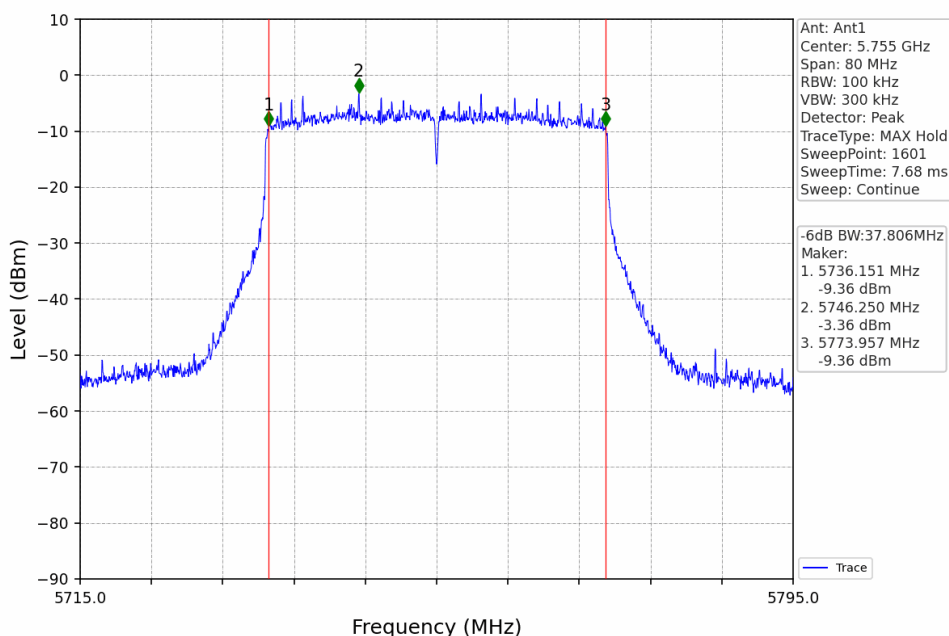




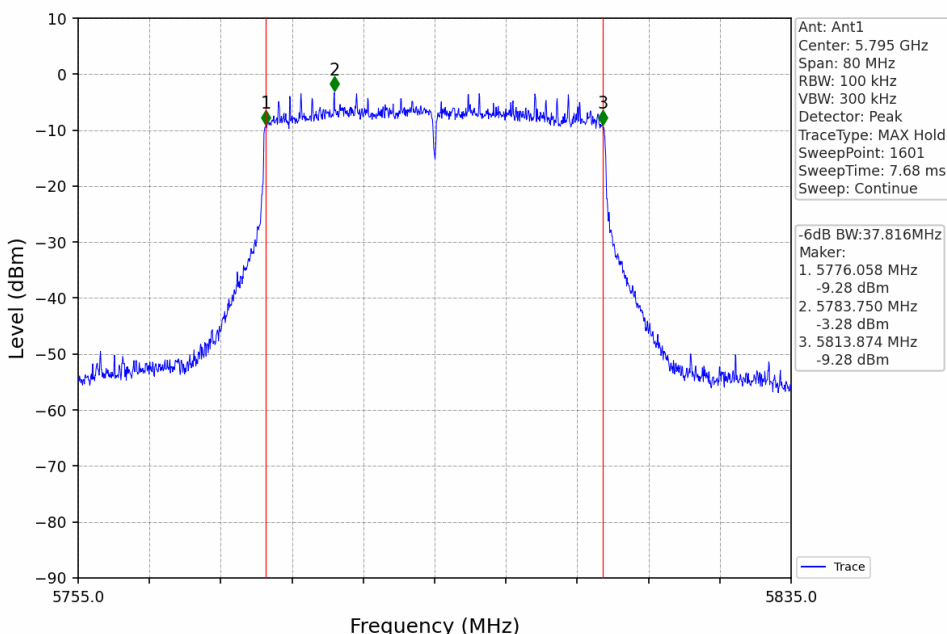
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



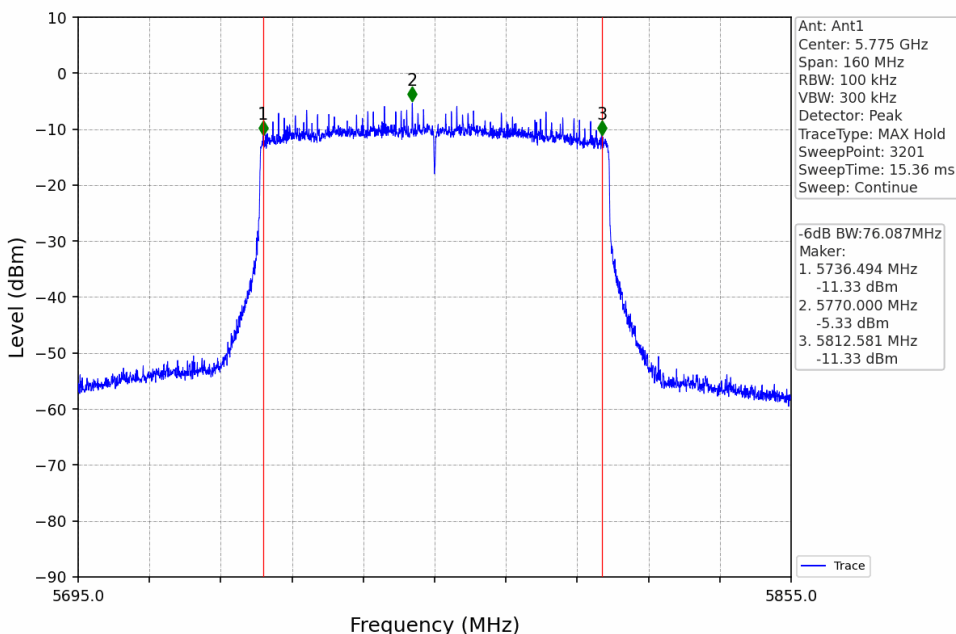
802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV



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



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



## 2.3 26dB BW

## 2.3.1 Test Result

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 26dB Bandwidth (MHz) | Verdict |
|------------------|---------|-----------------|----|--------|-----|----------------------|---------|
|                  |         |                 |    |        |     | Result               |         |
| 802.11a          | SISO    | 5180            | /  | /      | 1   | 20.382               | Pass    |
|                  |         | 5200            | /  | /      | 1   | 20.333               | Pass    |
|                  |         | 5240            | /  | /      | 1   | 20.879               | Pass    |
|                  |         | 5260            | /  | /      | 1   | 20.427               | Pass    |
|                  |         | 5300            | /  | /      | 1   | 20.011               | Pass    |
|                  |         | 5320            | /  | /      | 1   | 20.813               | Pass    |
|                  |         | 5500            | /  | /      | 1   | 20.629               | Pass    |
|                  |         | 5580            | /  | /      | 1   | 20.501               | Pass    |
|                  |         | 5700            | /  | /      | 1   | 19.638               | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | /  | /      | 1   | 21.462               | Pass    |
|                  |         | 5200            | /  | /      | 1   | 25.255               | Pass    |
|                  |         | 5240            | /  | /      | 1   | 21.498               | Pass    |
|                  |         | 5260            | /  | /      | 1   | 21.394               | Pass    |
|                  |         | 5300            | /  | /      | 1   | 21.211               | Pass    |
|                  |         | 5320            | /  | /      | 1   | 21.309               | Pass    |
|                  |         | 5500            | /  | /      | 1   | 21.071               | Pass    |
|                  |         | 5580            | /  | /      | 1   | 21.005               | Pass    |
|                  |         | 5700            | /  | /      | 1   | 21.243               | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | /  | /      | 1   | 41.785               | Pass    |
|                  |         | 5230            | /  | /      | 1   | 41.739               | Pass    |
|                  |         | 5270            | /  | /      | 1   | 41.938               | Pass    |
|                  |         | 5310            | /  | /      | 1   | 41.356               | Pass    |
|                  |         | 5510            | /  | /      | 1   | 41.346               | Pass    |
|                  |         | 5550            | /  | /      | 1   | 41.424               | Pass    |
|                  |         | 5670            | /  | /      | 1   | 41.915               | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | /  | /      | 1   | 21.562               | Pass    |
|                  |         | 5200            | /  | /      | 1   | 22.226               | Pass    |
|                  |         | 5240            | /  | /      | 1   | 21.535               | Pass    |
|                  |         | 5260            | /  | /      | 1   | 21.560               | Pass    |
|                  |         | 5300            | /  | /      | 1   | 21.474               | Pass    |
|                  |         | 5320            | /  | /      | 1   | 21.479               | Pass    |
|                  |         | 5500            | /  | /      | 1   | 21.715               | Pass    |
|                  |         | 5580            | /  | /      | 1   | 21.706               | Pass    |
|                  |         | 5700            | /  | /      | 1   | 21.393               | Pass    |
| 802.11ac         | MIMO    | 5190            | /  | /      | 1   | 41.205               | Pass    |

|                     |      |      |       |      |   |        |      |
|---------------------|------|------|-------|------|---|--------|------|
| (VHT40)             |      | 5230 | /     | /    | 1 | 41.865 | Pass |
|                     |      | 5270 | /     | /    | 1 | 41.594 | Pass |
|                     |      | 5310 | /     | /    | 1 | 41.100 | Pass |
|                     |      | 5510 | /     | /    | 1 | 41.811 | Pass |
|                     |      | 5550 | /     | /    | 1 | 41.537 | Pass |
|                     |      | 5670 | /     | /    | 1 | 41.576 | Pass |
| 802.11ac<br>(VHT80) | MIMO | 5210 | /     | /    | 1 | 83.056 | Pass |
|                     |      | 5290 | /     | /    | 1 | 83.196 | Pass |
|                     |      | 5530 | /     | /    | 1 | 83.735 | Pass |
|                     |      | 5610 | /     | /    | 1 | 83.709 | Pass |
| 802.11ax<br>(HEW20) | MIMO | 5180 | RU242 | Left | 1 | 21.914 | Pass |
|                     |      | 5200 | RU242 | Left | 1 | 21.550 | Pass |
|                     |      | 5240 | RU242 | Left | 1 | 22.210 | Pass |
|                     |      | 5260 | RU242 | Left | 1 | 22.222 | Pass |
|                     |      | 5300 | RU242 | Left | 1 | 21.541 | Pass |
|                     |      | 5320 | RU242 | Left | 1 | 21.507 | Pass |
|                     |      | 5500 | RU242 | Left | 1 | 21.898 | Pass |
|                     |      | 5580 | RU242 | Left | 1 | 21.749 | Pass |
| 802.11ax<br>(HEW40) | MIMO | 5700 | RU242 | Left | 1 | 21.857 | Pass |
|                     |      | 5190 | RU484 | Left | 1 | 42.055 | Pass |
|                     |      | 5230 | RU484 | Left | 1 | 42.268 | Pass |
|                     |      | 5270 | RU484 | Left | 1 | 41.830 | Pass |
|                     |      | 5310 | RU484 | Left | 1 | 42.215 | Pass |
|                     |      | 5510 | RU484 | Left | 1 | 42.194 | Pass |
|                     |      | 5550 | RU484 | Left | 1 | 42.896 | Pass |
| 802.11ax<br>(HEW80) | MIMO | 5670 | RU484 | Left | 1 | 42.154 | Pass |
|                     |      | 5210 | RU996 | Left | 1 | 85.017 | Pass |
|                     |      | 5290 | RU996 | Left | 1 | 84.806 | Pass |
|                     |      | 5530 | RU996 | Left | 1 | 84.707 | Pass |
|                     |      | 5610 | RU996 | Left | 1 | 85.245 | Pass |



### 2.3.2 Test Graph

