# Appendix B for SHEM210200159602

## 1. Duty Cycle

### 1.1 Ant1

#### 1.1.1 Test Result

| Ant1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11a | SISO | 5745 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5785 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5825 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 802.11n (HT20) | MIMO | 5745 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5785 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5825 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 802.11n (HT40) | MIMO | 5755 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5795 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 802.11ac (VHT20) | MIMO | 5745 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5785 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5825 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 802.11ac (VHT40) | MIMO | 5755 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 5795 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 802.11ac (VHT80) | MIMO | 5775 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |

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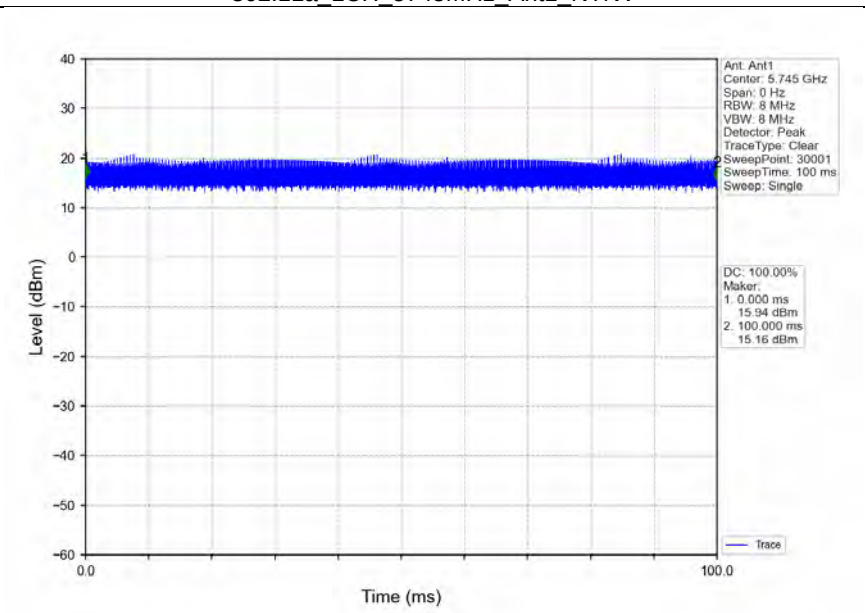
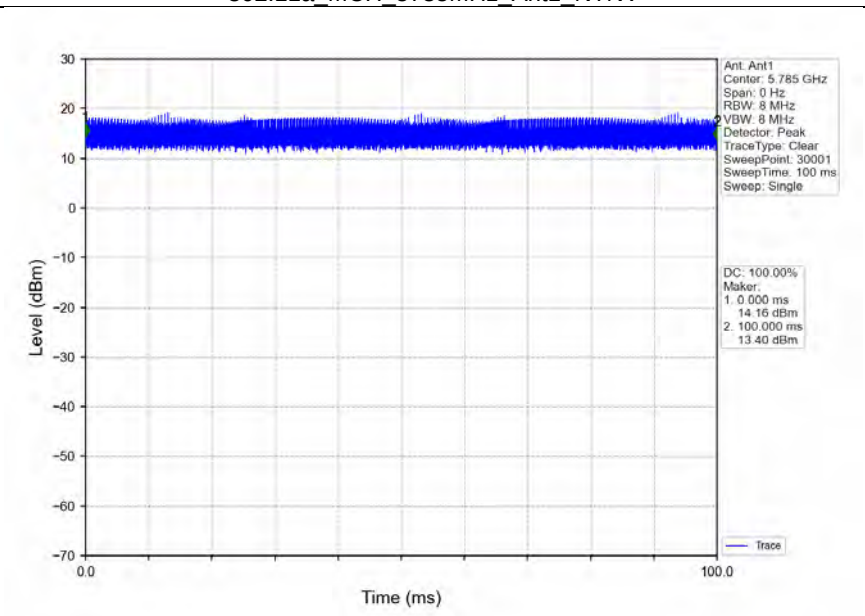
## 1.1.2 Test Graph

802.11a_LCH_5745MHz_Ant1_NTNV




802.11a_MCH_5785MHz_Ant1_NTNV

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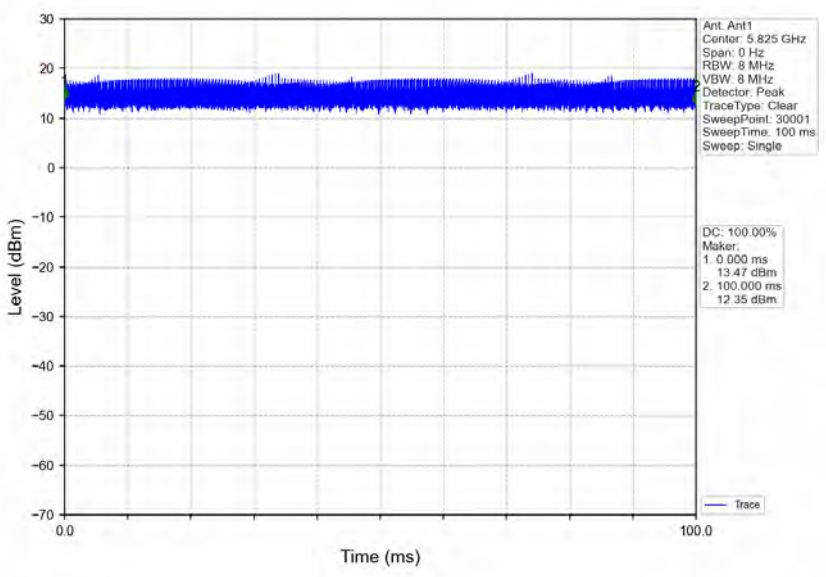
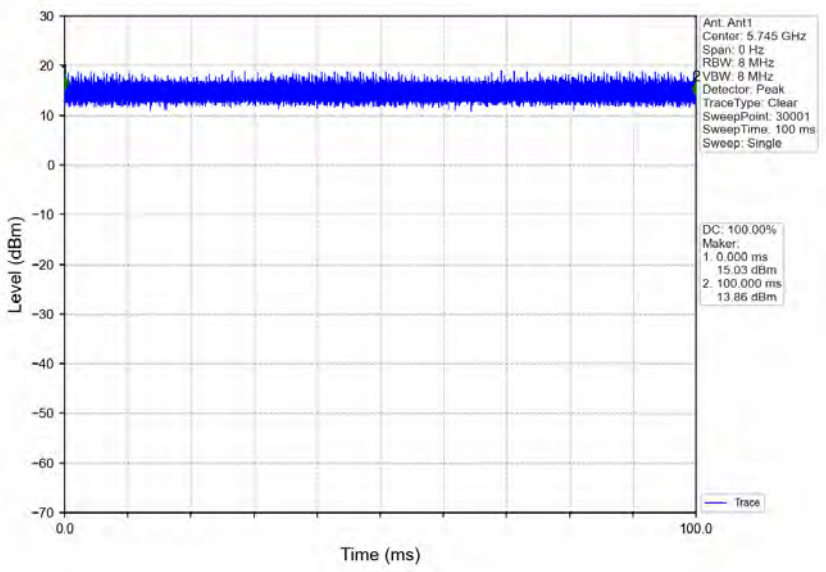
802.11a_HCH_5825MHz_Ant1_NTNV




802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

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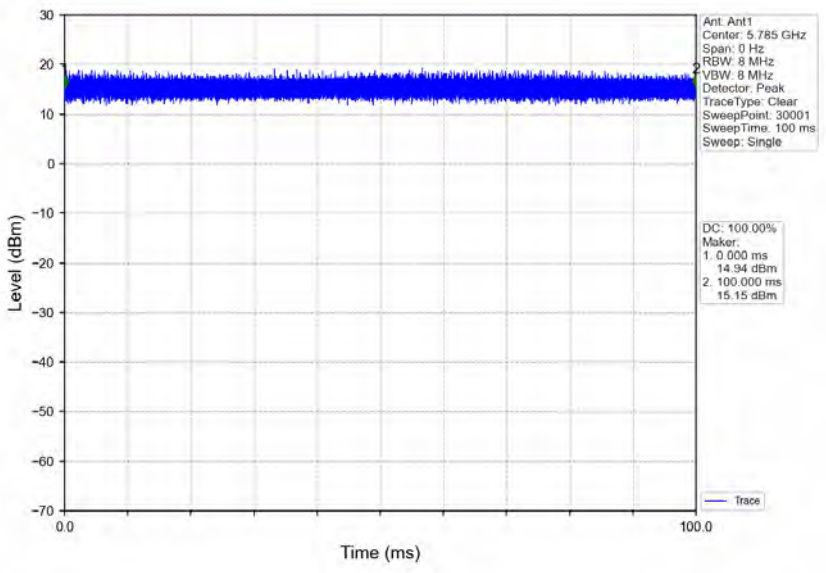
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

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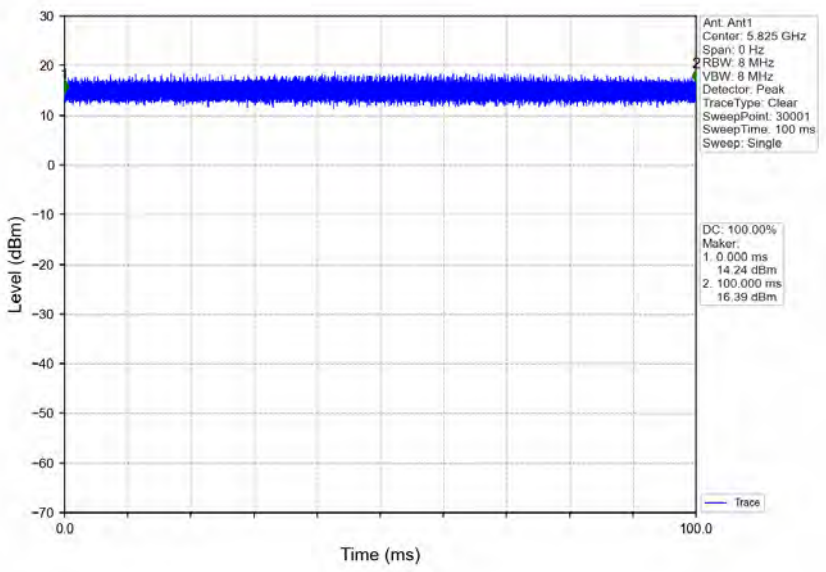


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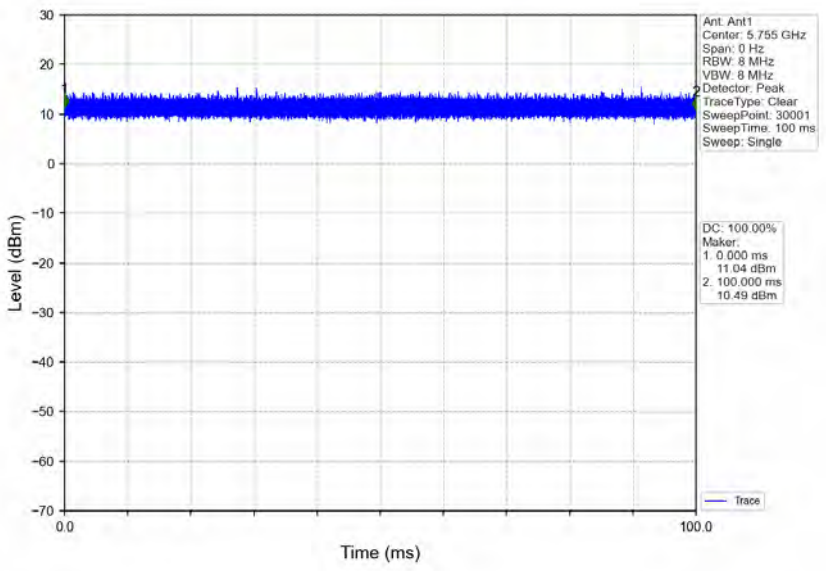
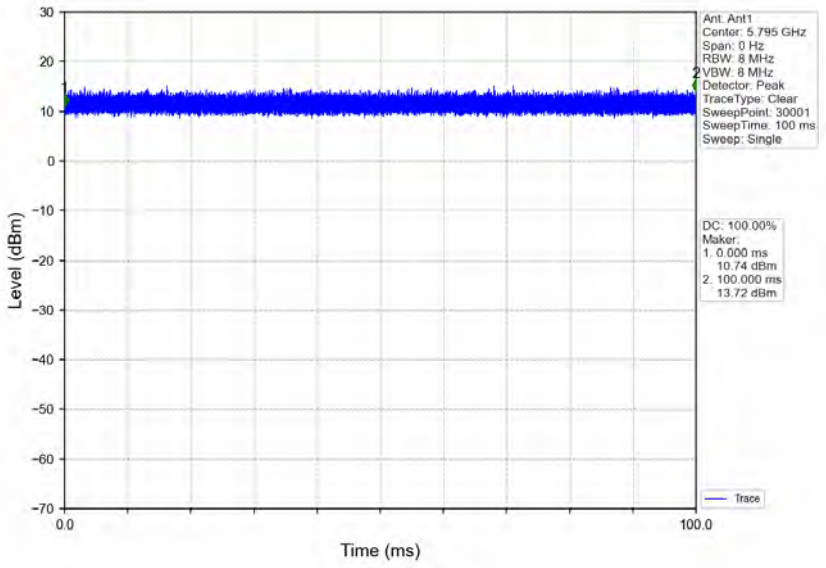
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV




802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

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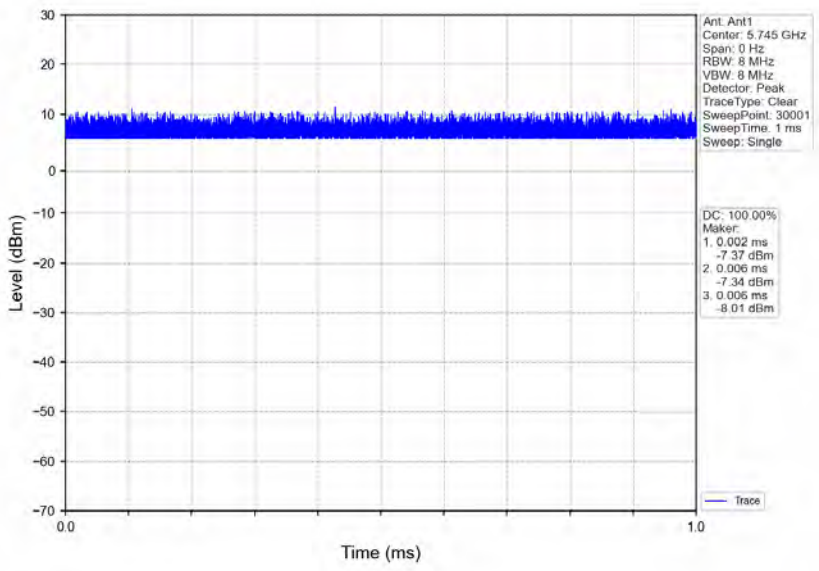
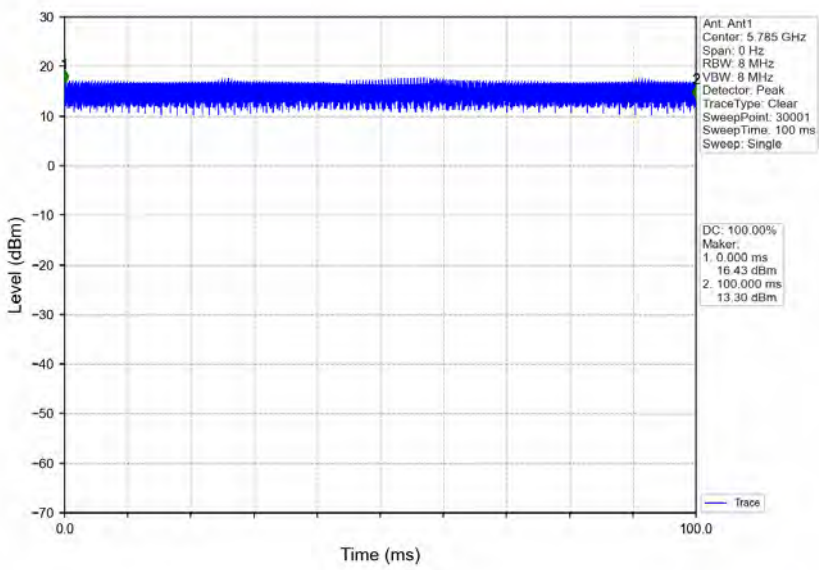
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV




802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

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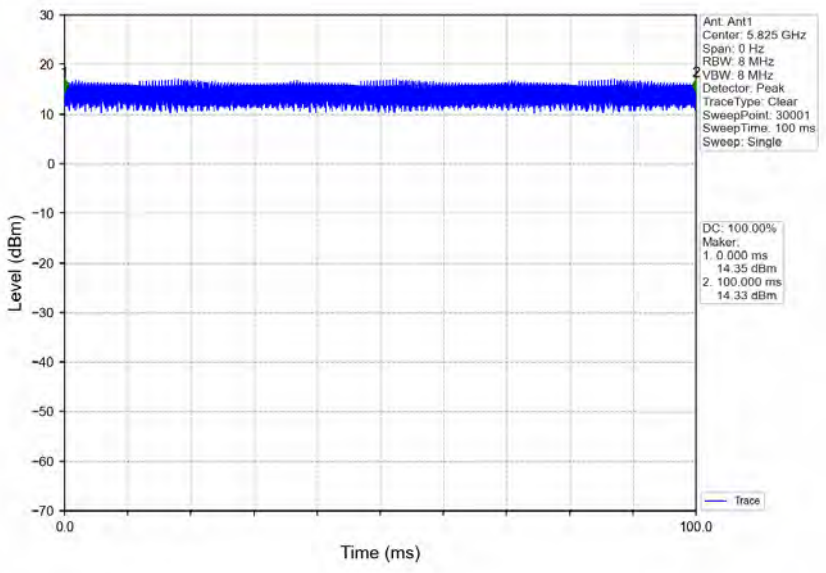
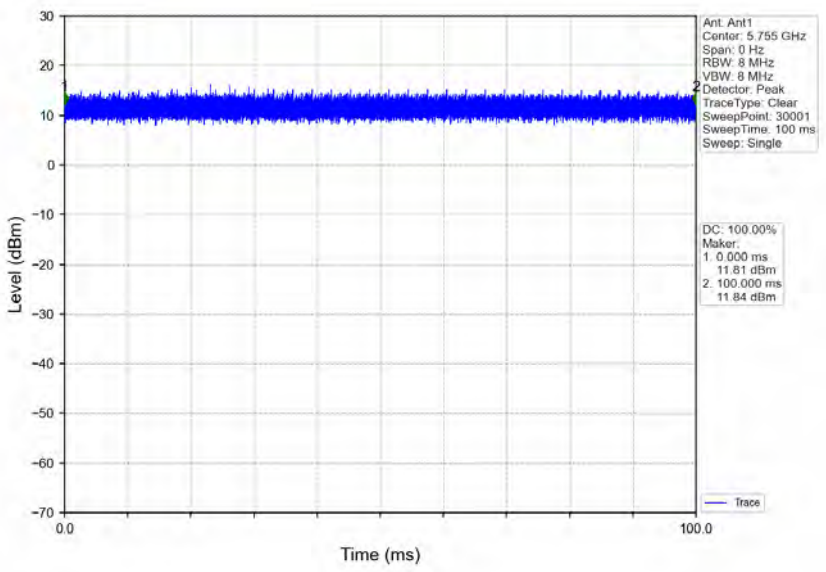
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV




802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

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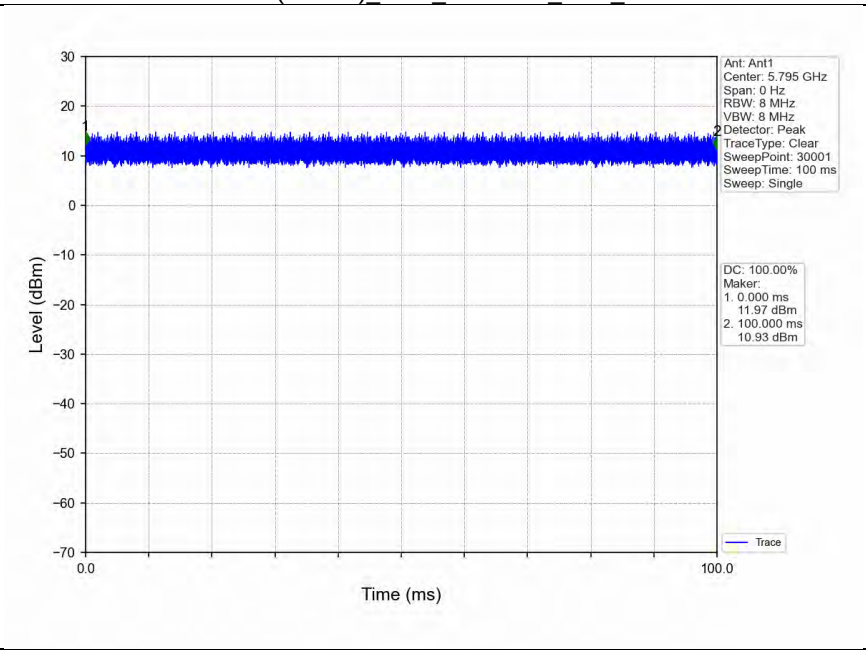


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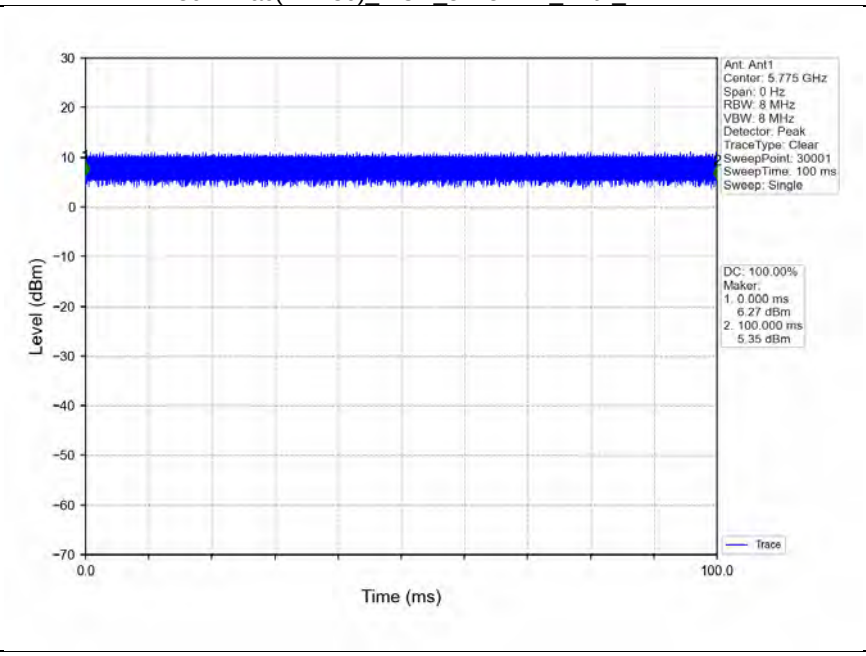


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# 2. Bandwidth

## 2.1 OBW

### 2.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) Result | Verdict |
|---|---|---|---|---|---|
| 802.11a | SISO | 5745 | 1 | 18.713 | Pass |
| | | | 2 | 17.147 | Pass |
| | | 5785 | 1 | 18.496 | Pass |
| | | | 2 | 17.198 | Pass |
| | | 5825 | 1 | 18.675 | Pass |
| | | | 2 | 17.188 | Pass |
| 802.11n (HT20) | MIMO | 5745 | 1 | 18.725 | Pass |
| | | | 2 | 18.229 | Pass |
| | | 5785 | 1 | 19.504 | Pass |
| | | | 2 | 18.236 | Pass |
| | | 5825 | 1 | 19.223 | Pass |
| | | | 2 | 18.185 | Pass |
| 802.11n (HT40) | MIMO | 5755 | 1 | 39.355 | Pass |
| | | | 2 | 37.944 | Pass |
| | | 5795 | 1 | 43.492 | Pass |
| | | | 2 | 37.974 | Pass |
| 802.11ac (VHT20) | MIMO | 5745 | 1 | 18.802 | Pass |
| | | | 2 | 17.138 | Pass |
| | | 5785 | 1 | 18.252 | Pass |
| | | | 2 | 17.111 | Pass |
| | | 5825 | 1 | 18.465 | Pass |
| | | | 2 | 17.089 | Pass |
| 802.11ac (VHT40) | MIMO | 5755 | 1 | 38.965 | Pass |
| | | | 2 | 40.665 | Pass |
| | | 5795 | 1 | 40.086 | Pass |
| | | | 2 | 42.263 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | 1 | 80.331 | Pass |
| | | | 2 | 76.930 | Pass |

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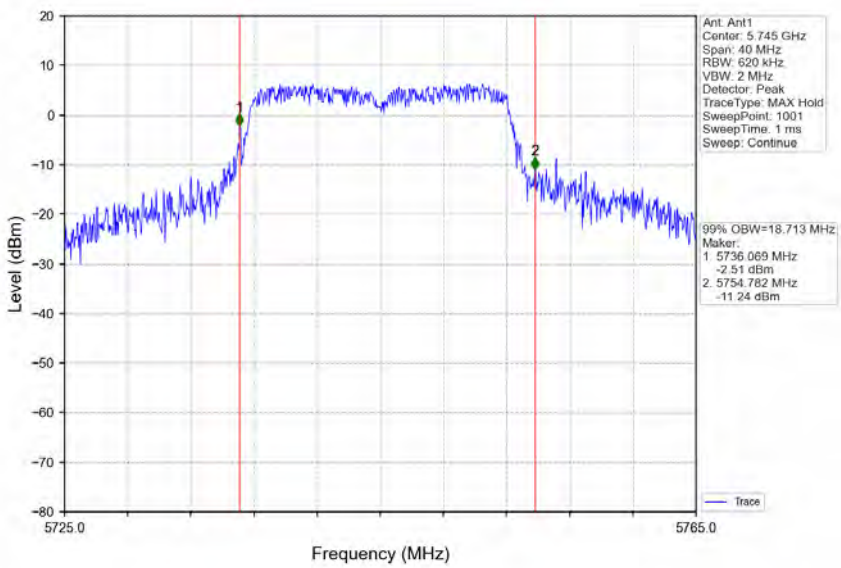
## 2.1.2 Test Graph

802.11a_LCH_5745MHz_Ant1_NTNV

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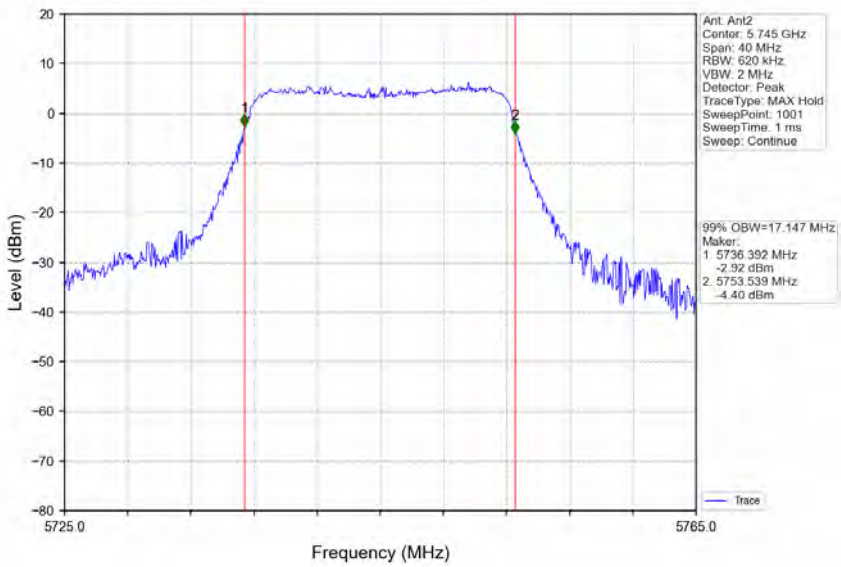


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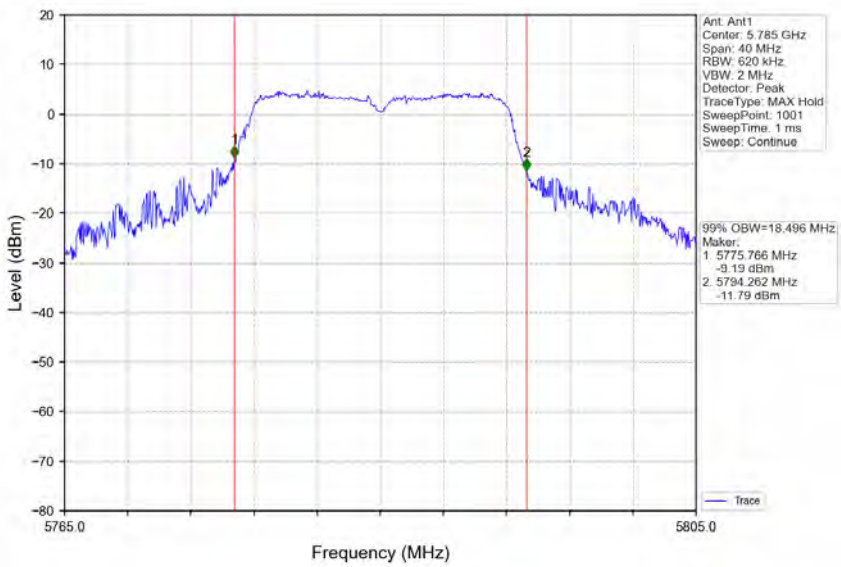
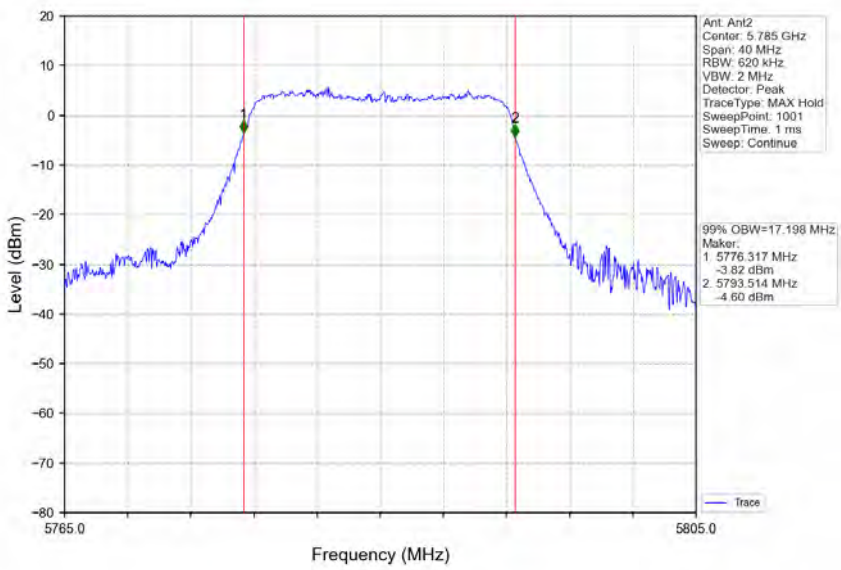
802.11a_MCH_5785MHz_Ant1_NTNV




802.11a_MCH_5785MHz_Ant2_NTNV

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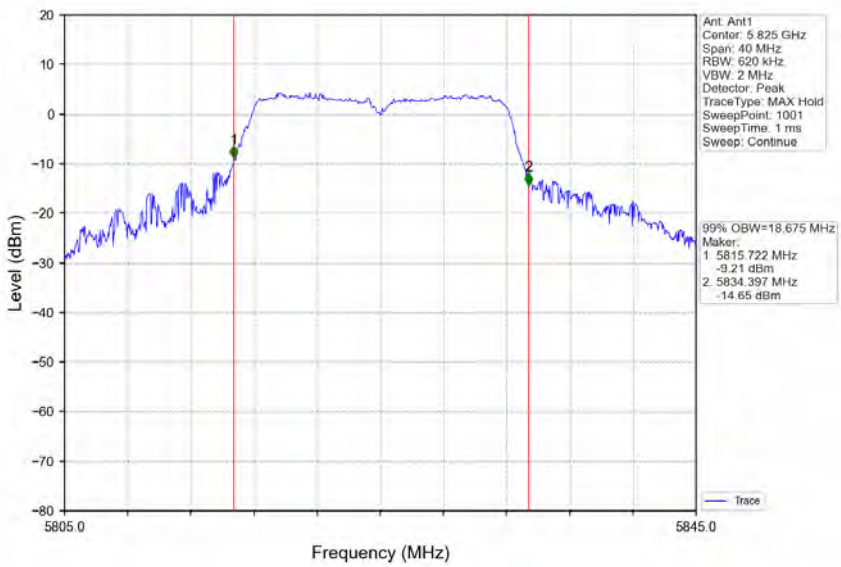
802.11a_HCH_5825MHz_Ant1_NTNV

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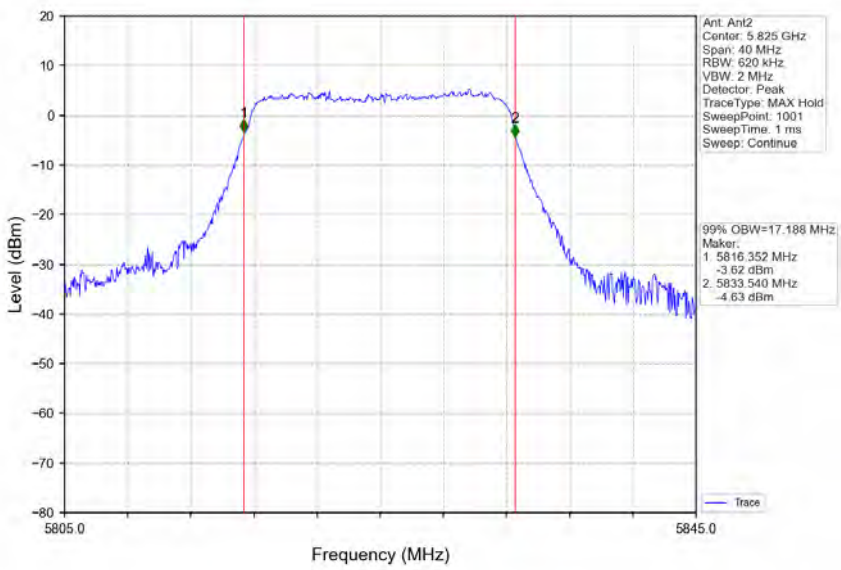


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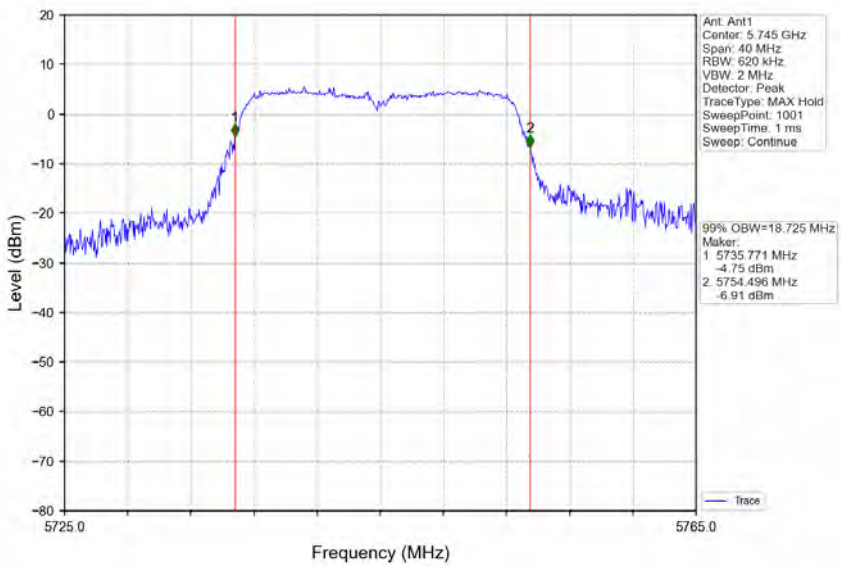
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

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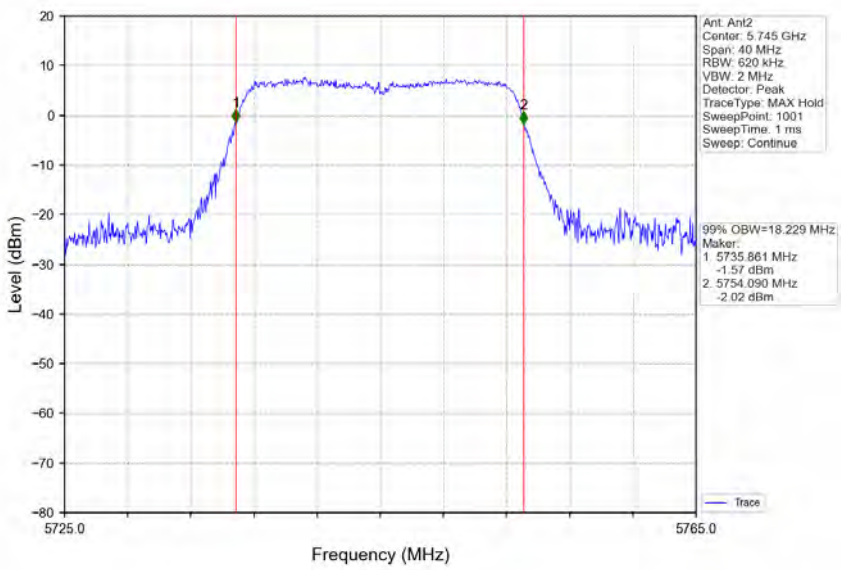


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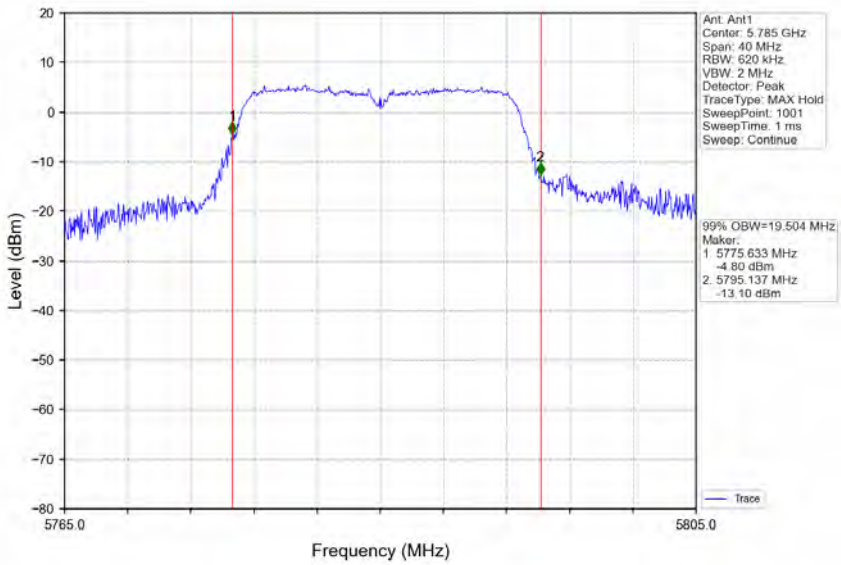
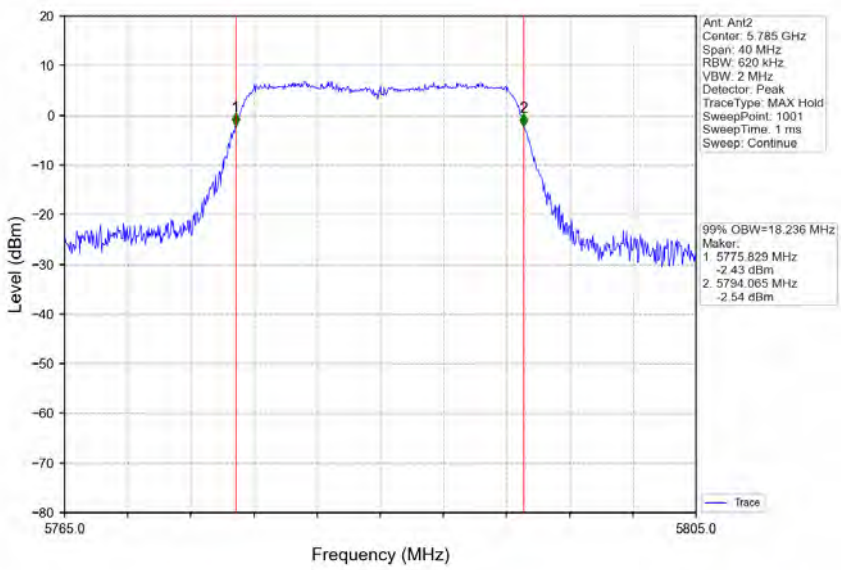
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV




802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

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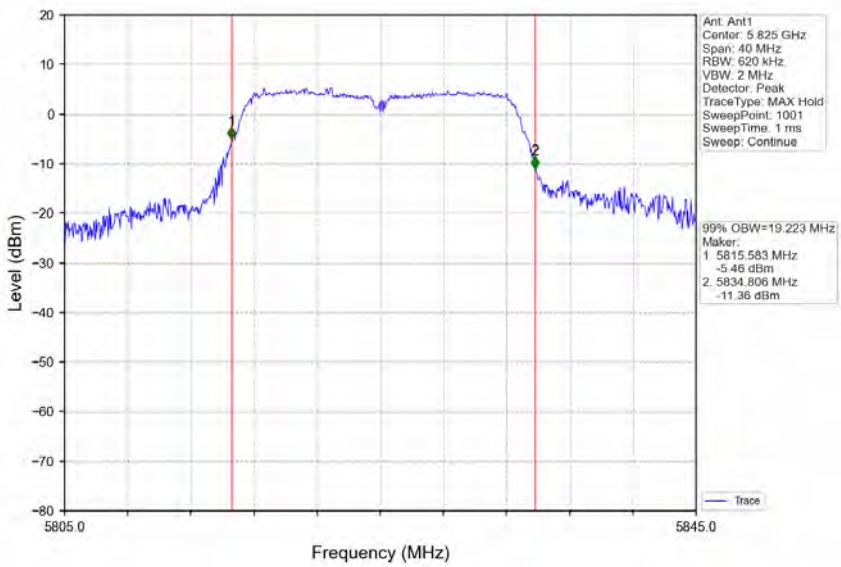
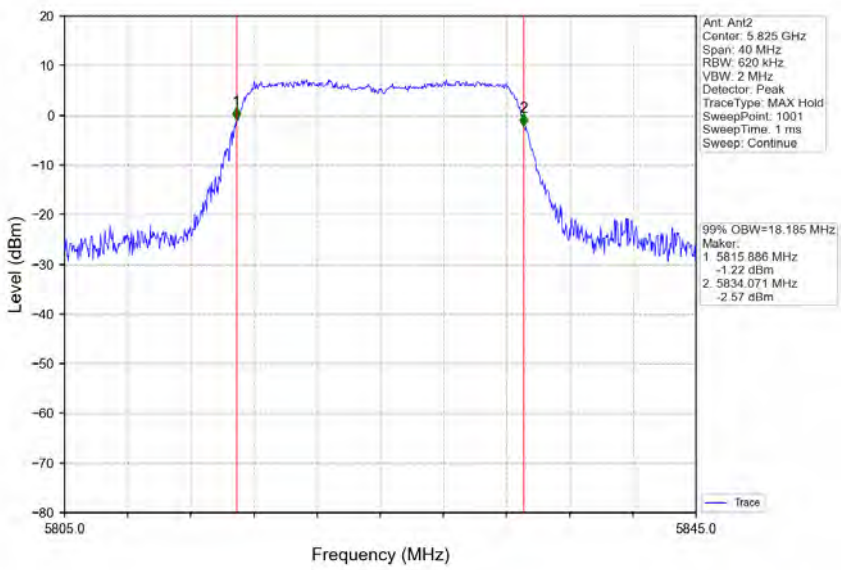
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV




802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

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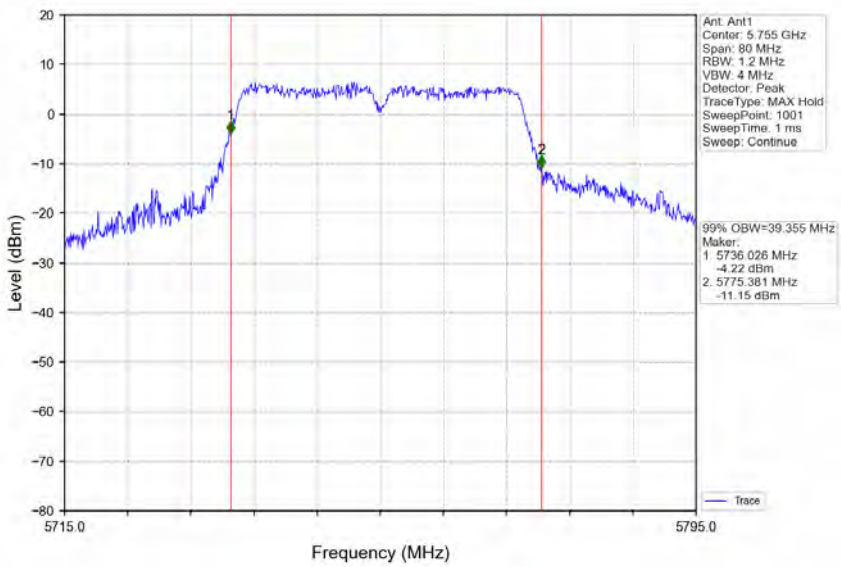
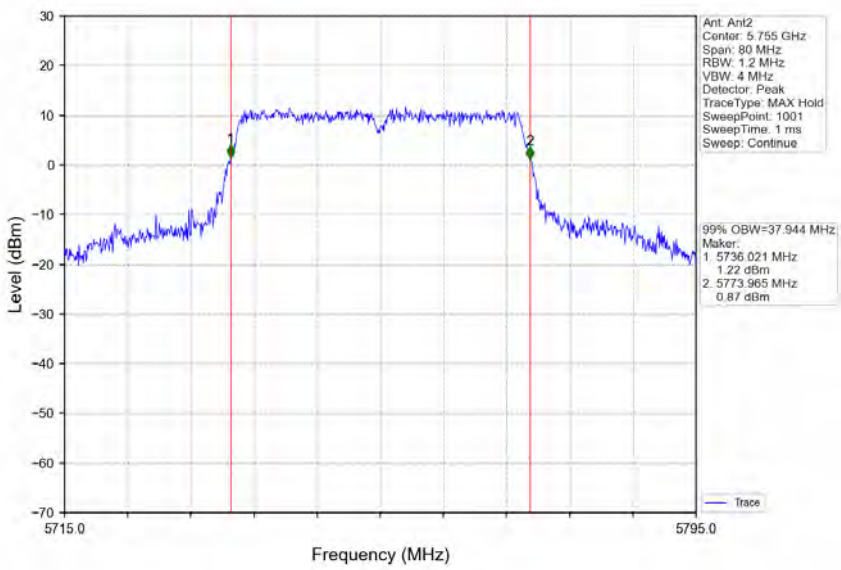
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV




802.11n(HT40)_LCH_5755MHz_Ant2_NTNV

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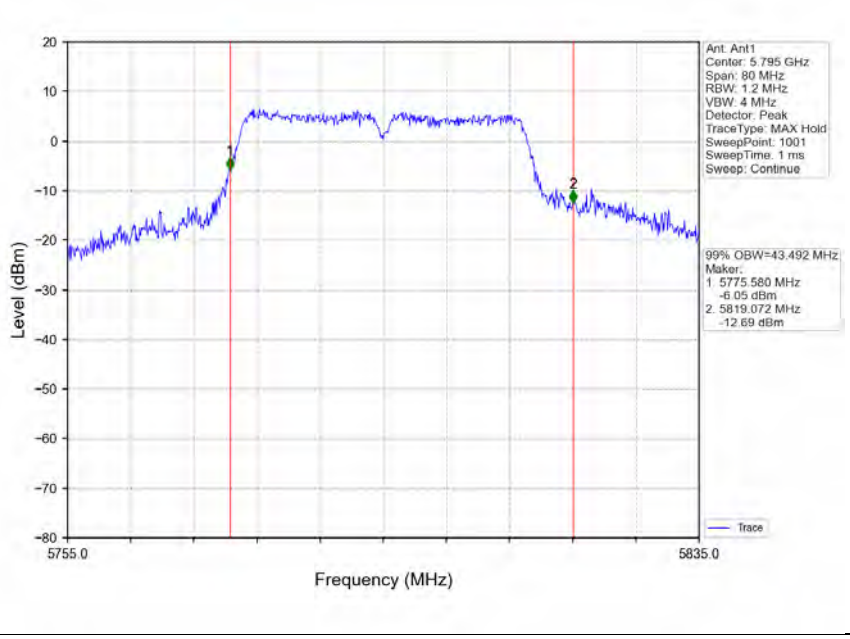
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

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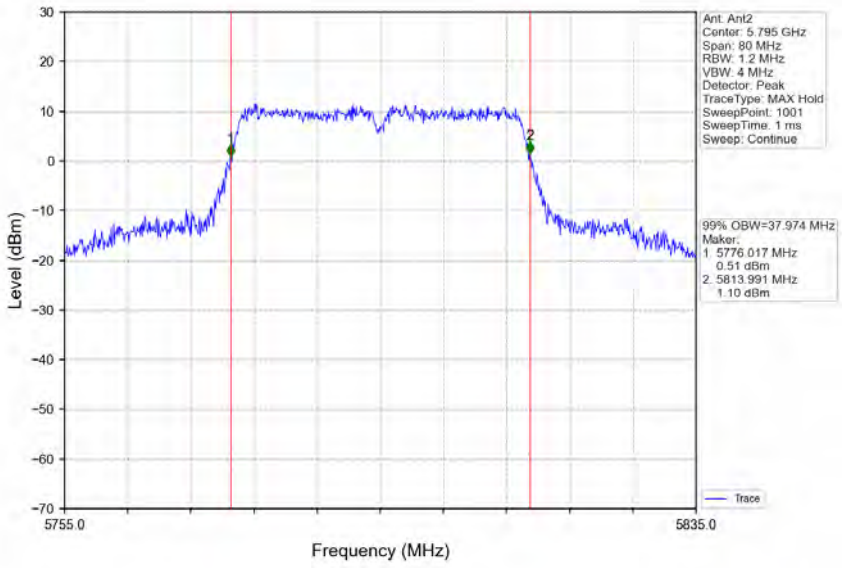


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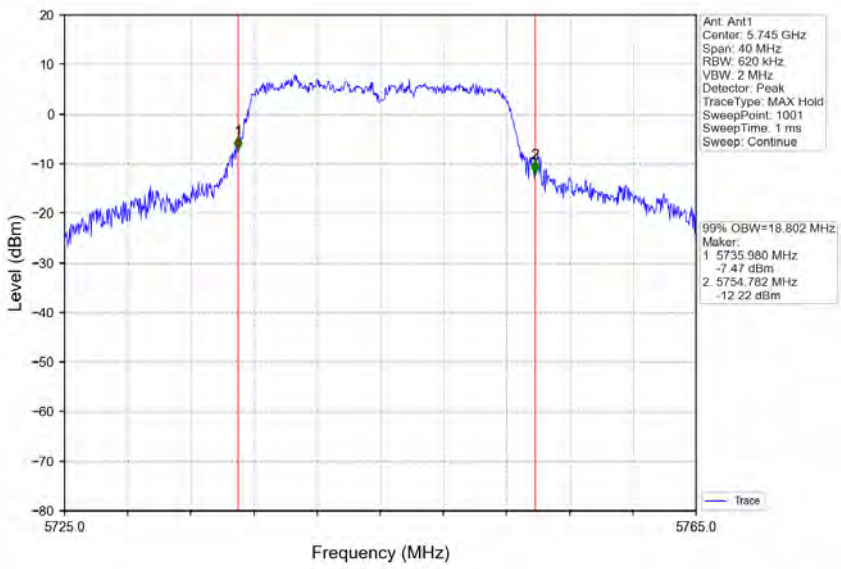
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

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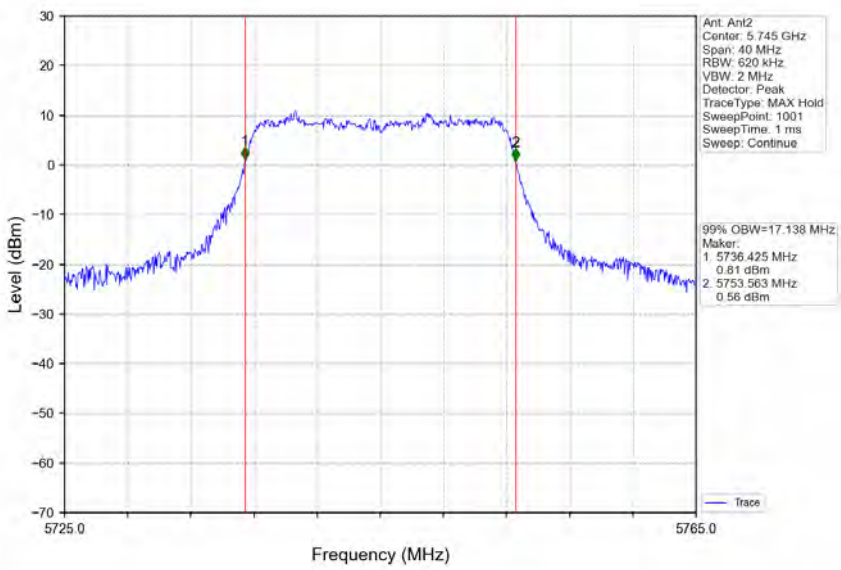


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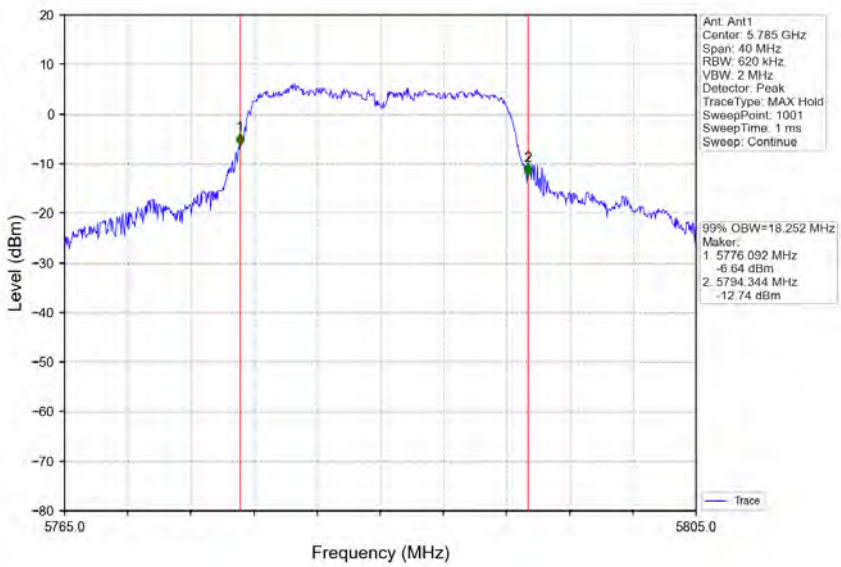
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

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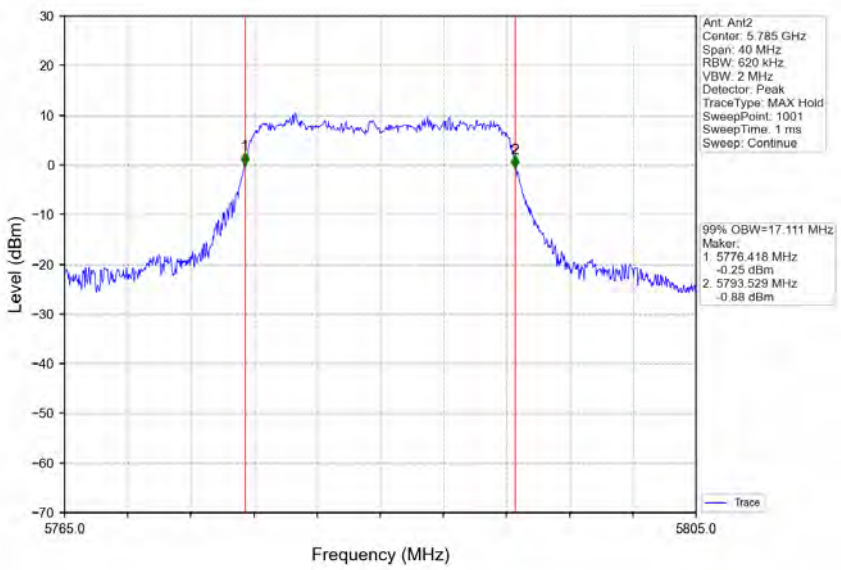


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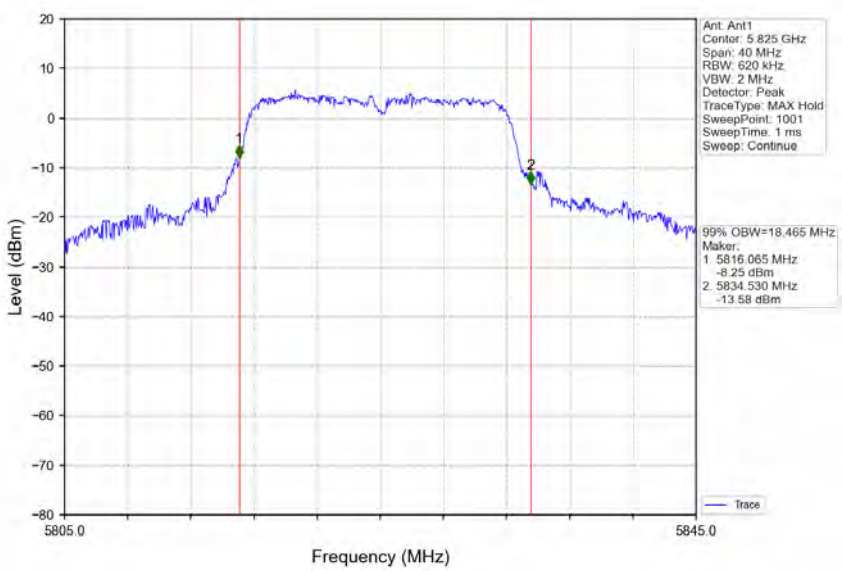
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

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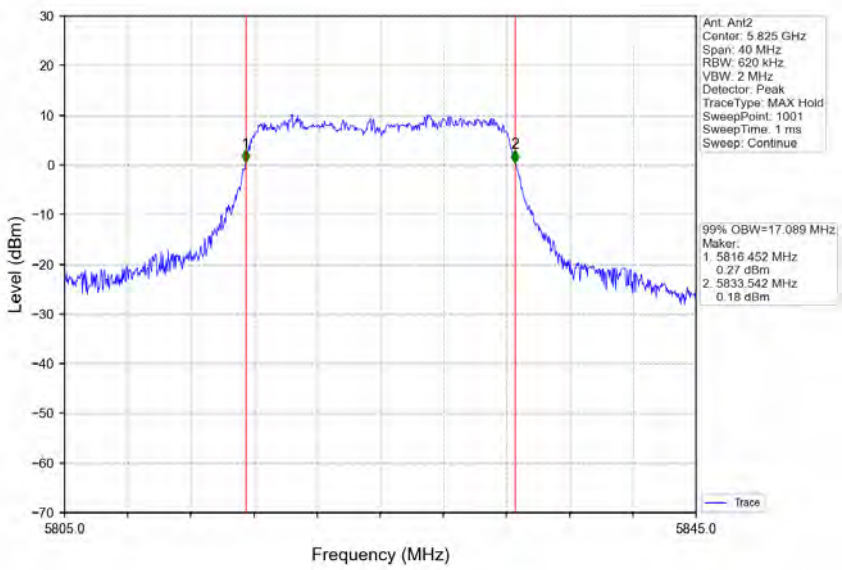


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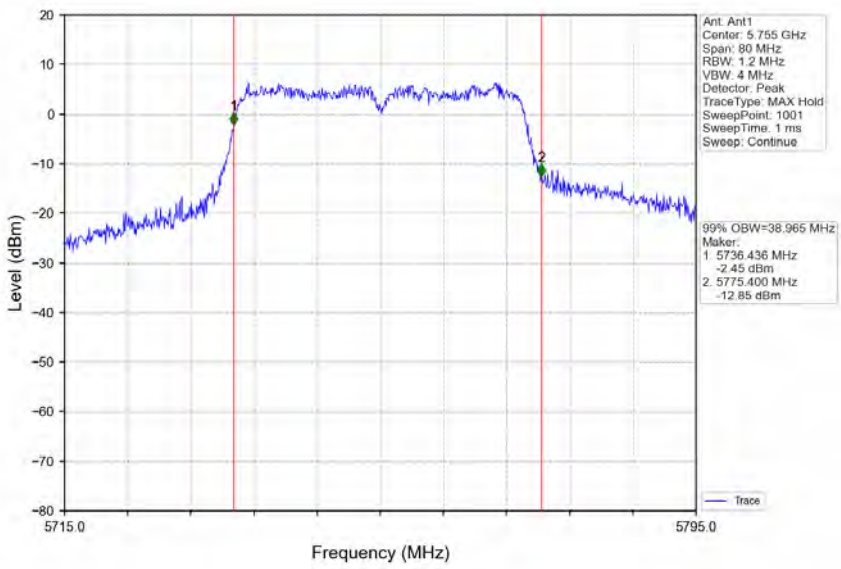
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

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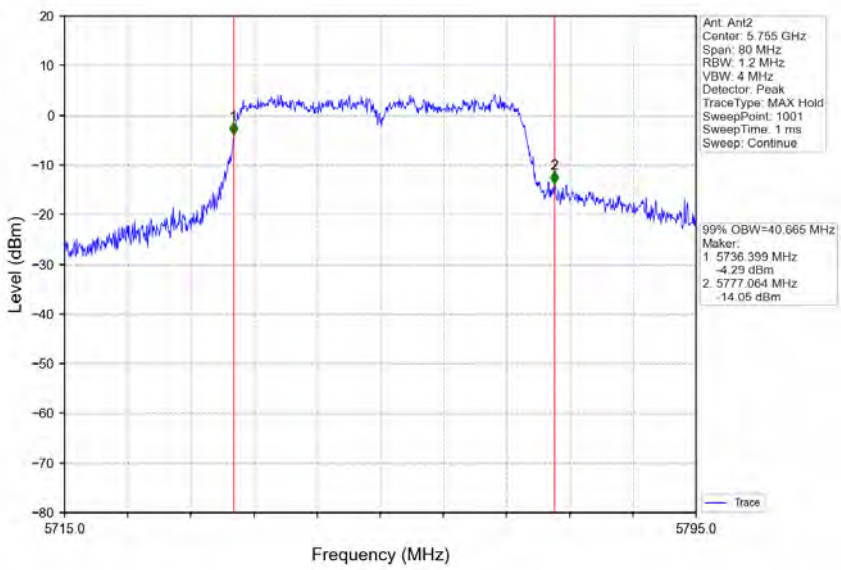


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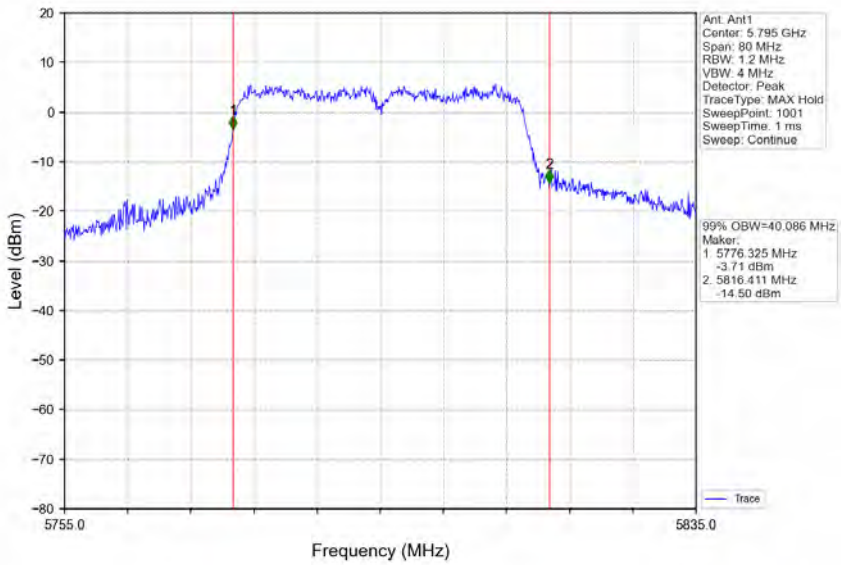
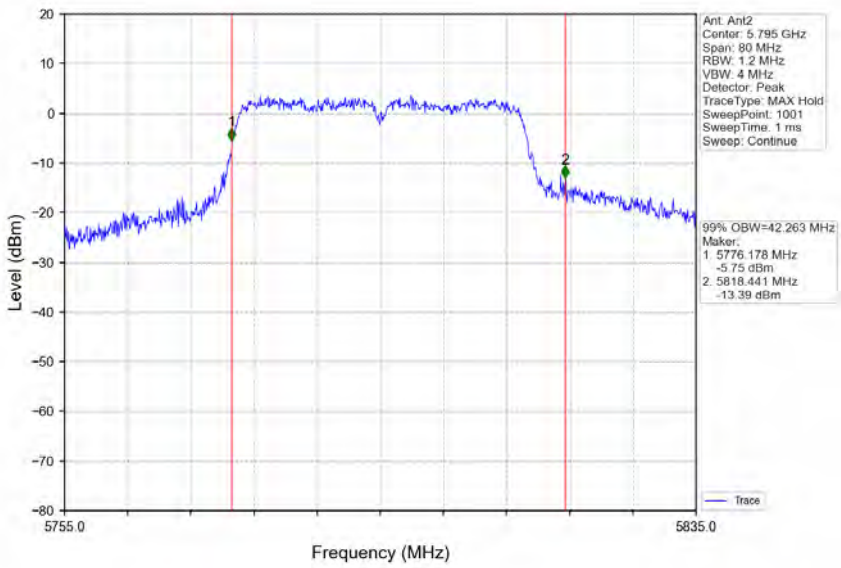
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

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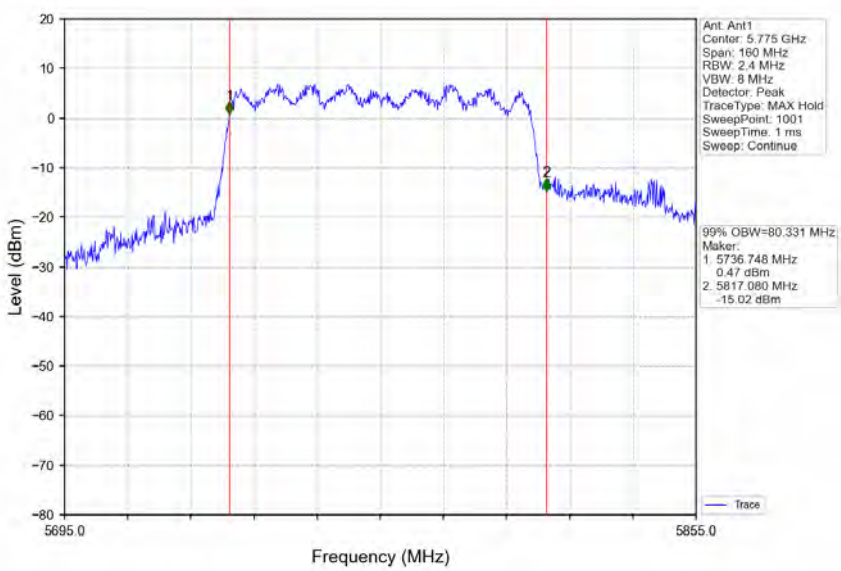
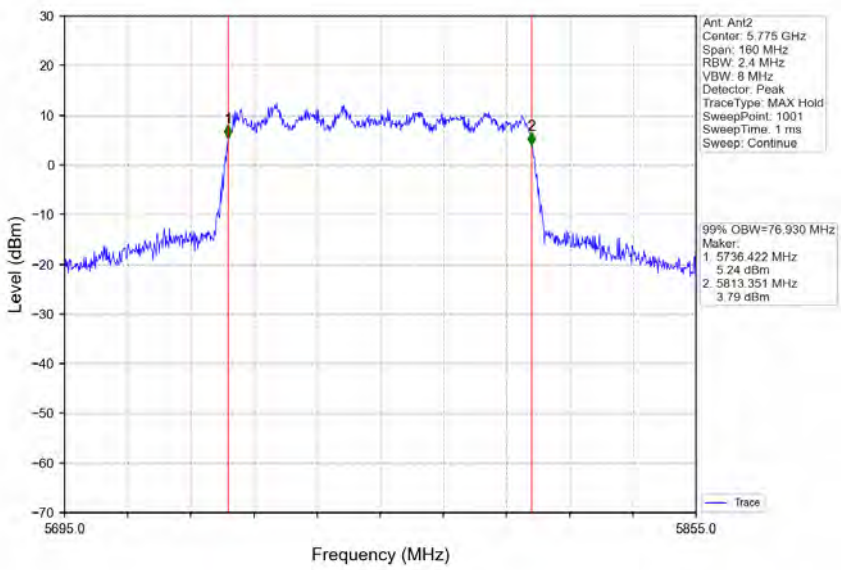
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV




802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV

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## 2.2 6dB BW

### 2.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|
| | | | | Result | Limit | |
| 802.11a | SISO | 5745 | 1 | 16.501 | >=0.5 | Pass |
| | | | 2 | 16.484 | >=0.5 | Pass |
| | | 5785 | 1 | 16.524 | >=0.5 | Pass |
| | | | 2 | 16.444 | >=0.5 | Pass |
| | | 5825 | 1 | 16.502 | >=0.5 | Pass |
| | | | 2 | 16.527 | >=0.5 | Pass |
| 802.11n (HT20) | MIMO | 5745 | 1 | 17.696 | >=0.5 | Pass |
| | | | 2 | 17.641 | >=0.5 | Pass |
| | | 5785 | 1 | 17.715 | >=0.5 | Pass |
| | | | 2 | 17.651 | >=0.5 | Pass |
| | | 5825 | 1 | 17.661 | >=0.5 | Pass |
| | | | 2 | 17.632 | >=0.5 | Pass |
| 802.11n (HT40) | MIMO | 5755 | 1 | 36.520 | >=0.5 | Pass |
| | | | 2 | 36.493 | >=0.5 | Pass |
| | | 5795 | 1 | 36.499 | >=0.5 | Pass |
| | | | 2 | 36.562 | >=0.5 | Pass |
| 802.11ac (VHT20) | MIMO | 5745 | 1 | 16.486 | >=0.5 | Pass |
| | | | 2 | 16.492 | >=0.5 | Pass |
| | | 5785 | 1 | 16.474 | >=0.5 | Pass |
| | | | 2 | 16.517 | >=0.5 | Pass |
| | | 5825 | 1 | 16.501 | >=0.5 | Pass |
| | | | 2 | 16.468 | >=0.5 | Pass |
| 802.11ac (VHT40) | MIMO | 5755 | 1 | 36.503 | >=0.5 | Pass |
| | | | 2 | 36.550 | >=0.5 | Pass |
| | | 5795 | 1 | 36.491 | >=0.5 | Pass |
| | | | 2 | 36.501 | >=0.5 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | 1 | 76.347 | >=0.5 | Pass |
| | | | 2 | 75.810 | >=0.5 | Pass |

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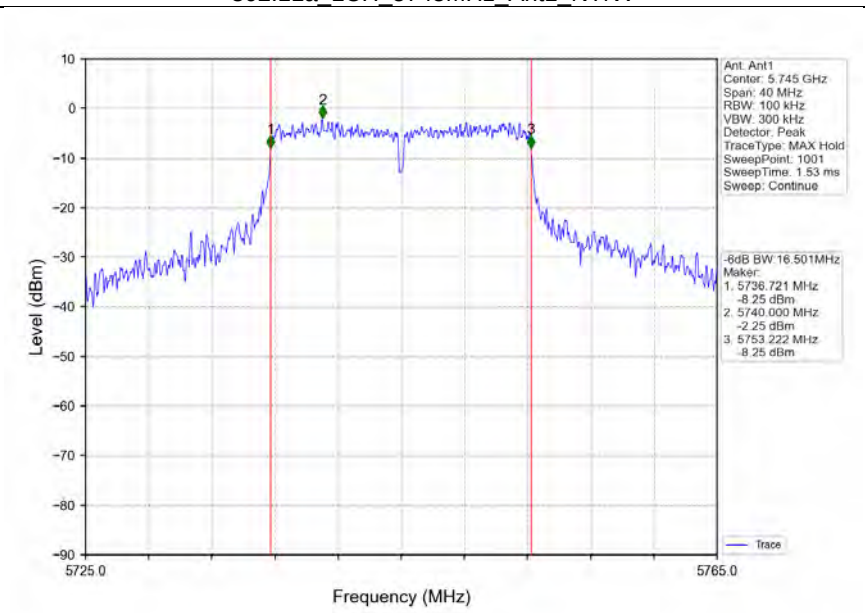
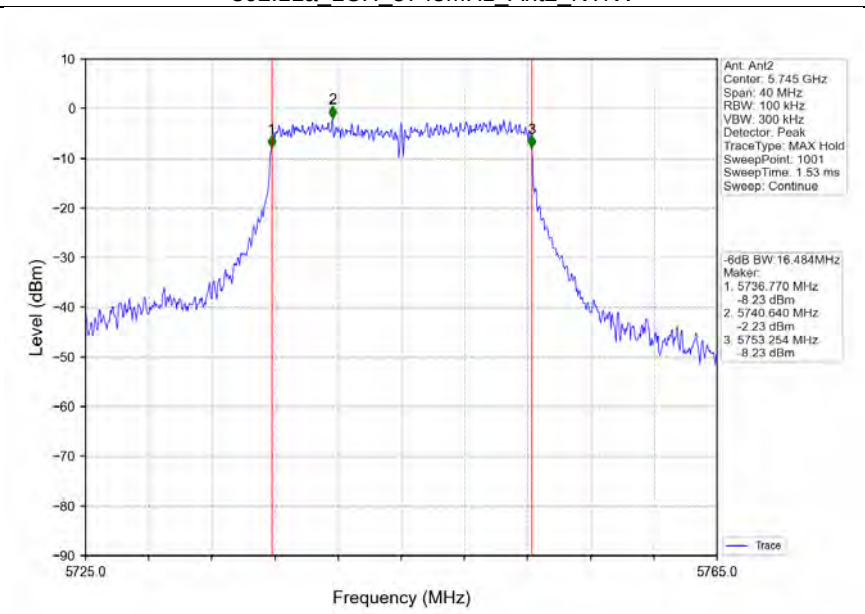
## 2.2.2 Test Graph

802.11a_LCH_5745MHz_Ant1_NTNV




802.11a_LCH_5745MHz_Ant2_NTNV

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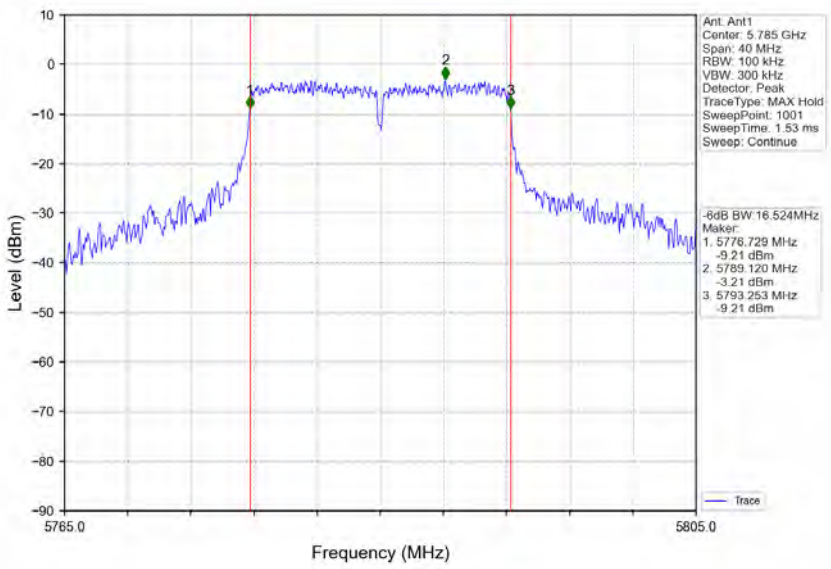
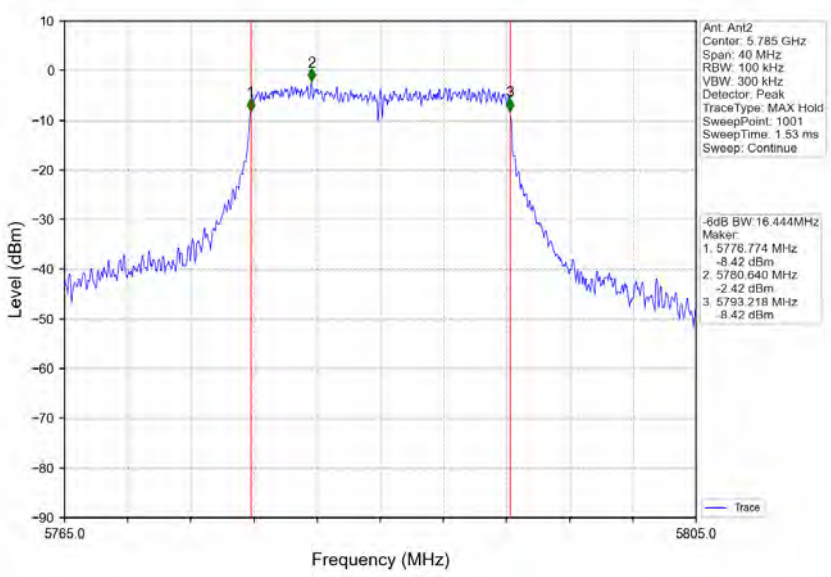
802.11a_MCH_5785MHz_Ant1_NTNV




802.11a_MCH_5785MHz_Ant2_NTNV

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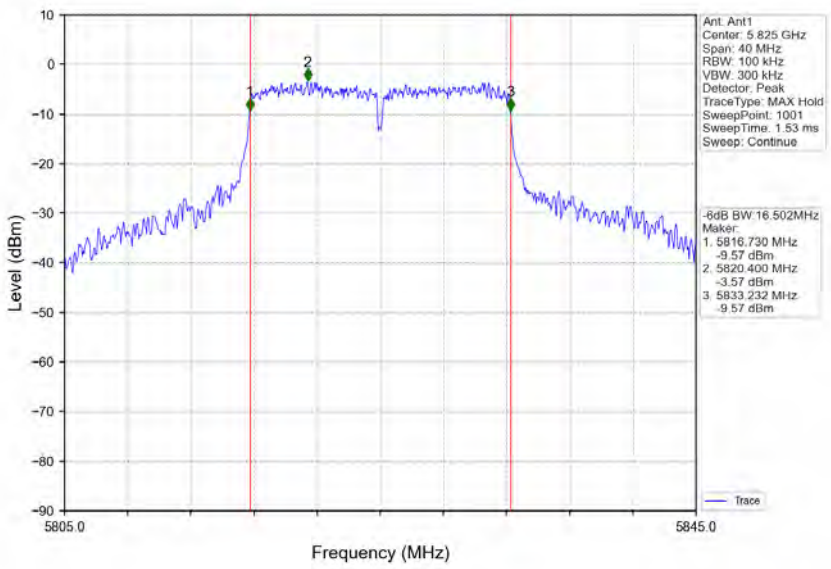
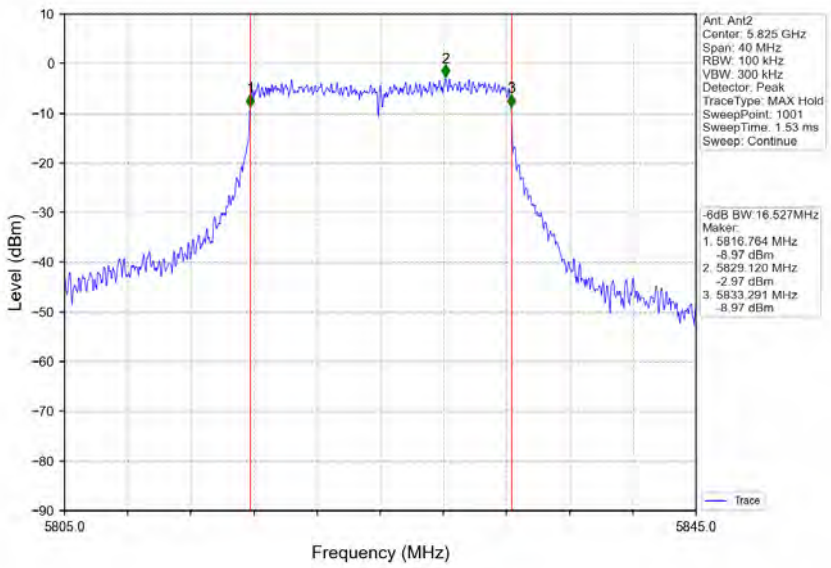
802.11a_HCH_5825MHz_Ant1_NTNV




802.11a_HCH_5825MHz_Ant2_NTNV

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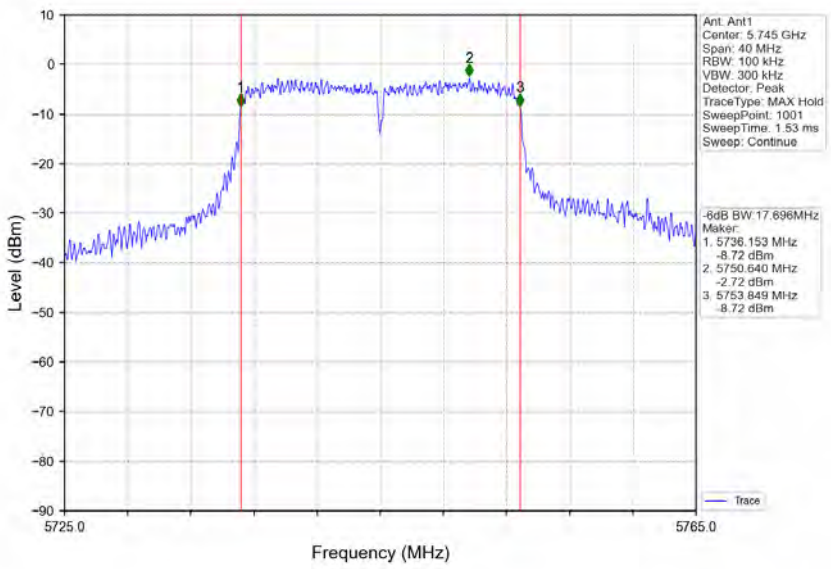
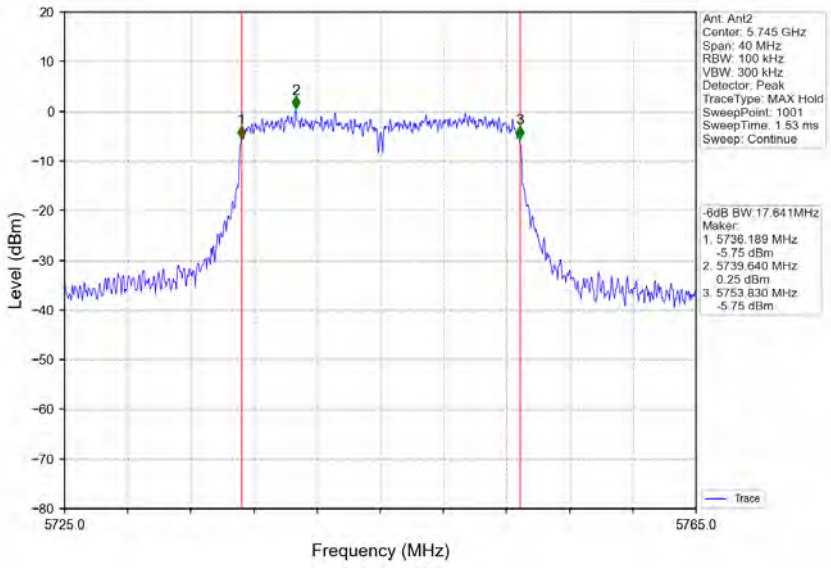
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV




802.11n(HT20)_LCH_5745MHz_Ant2_NTNV

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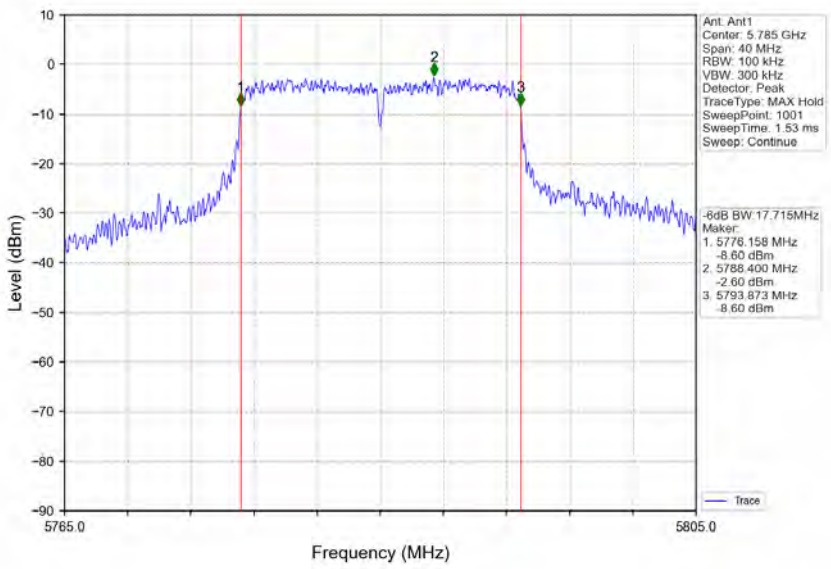
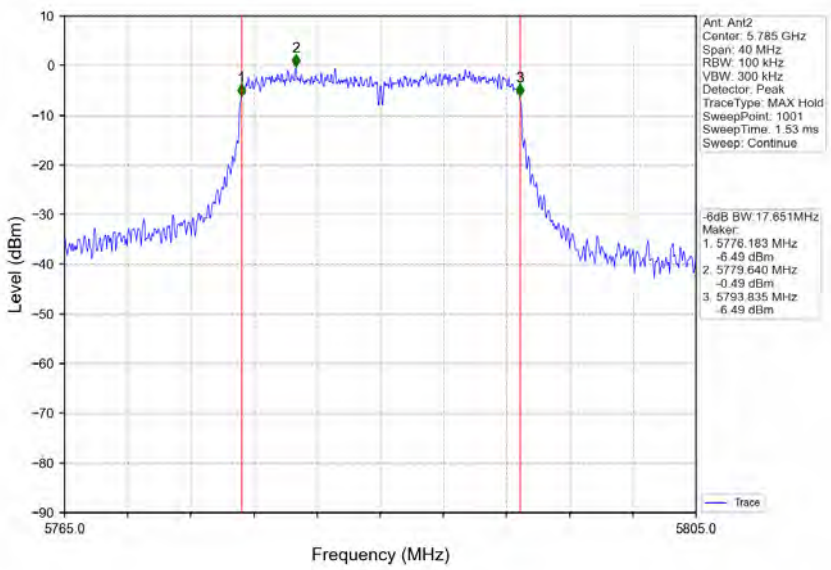
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV




802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

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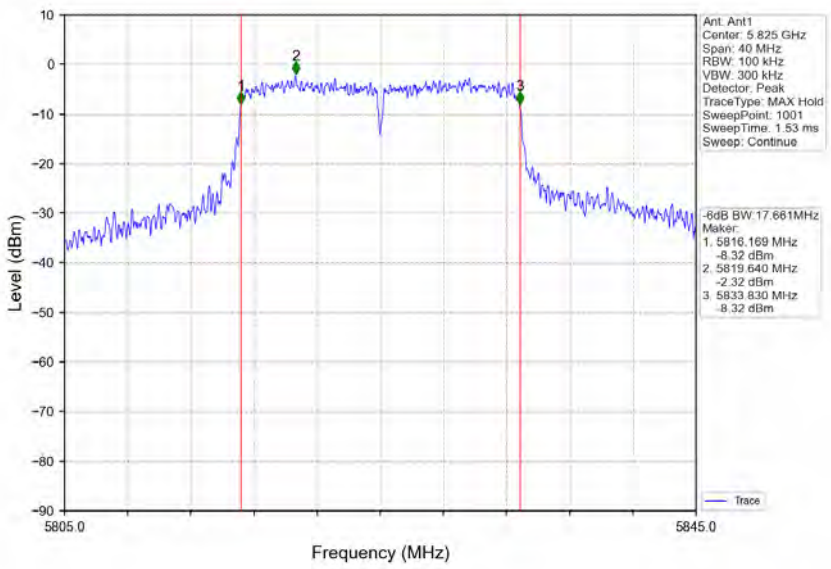
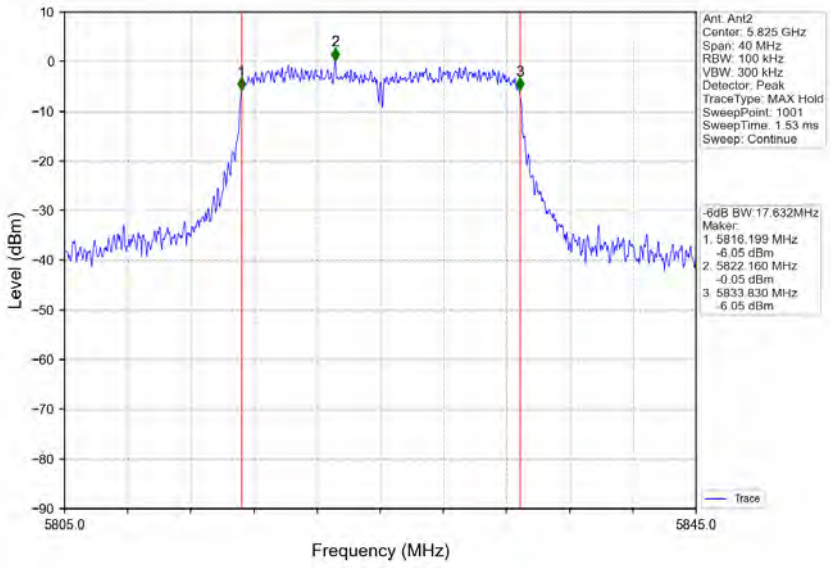
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV




802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

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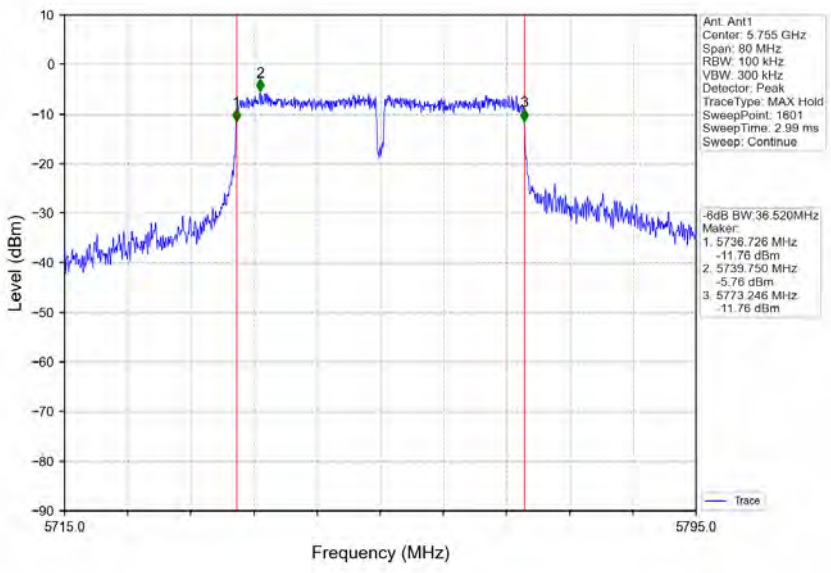
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

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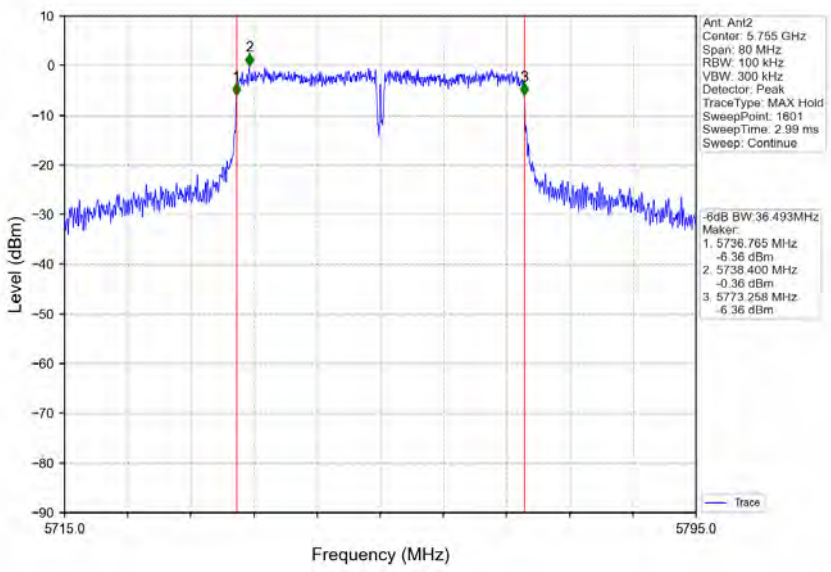


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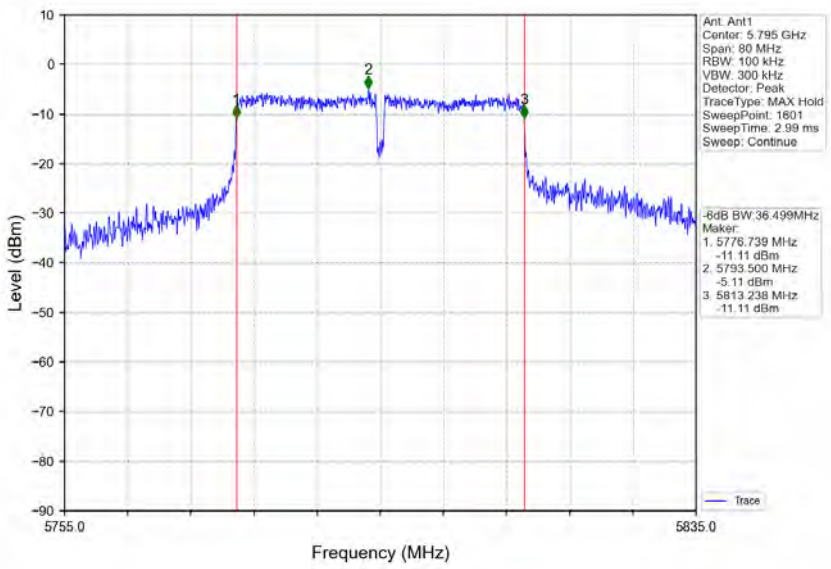
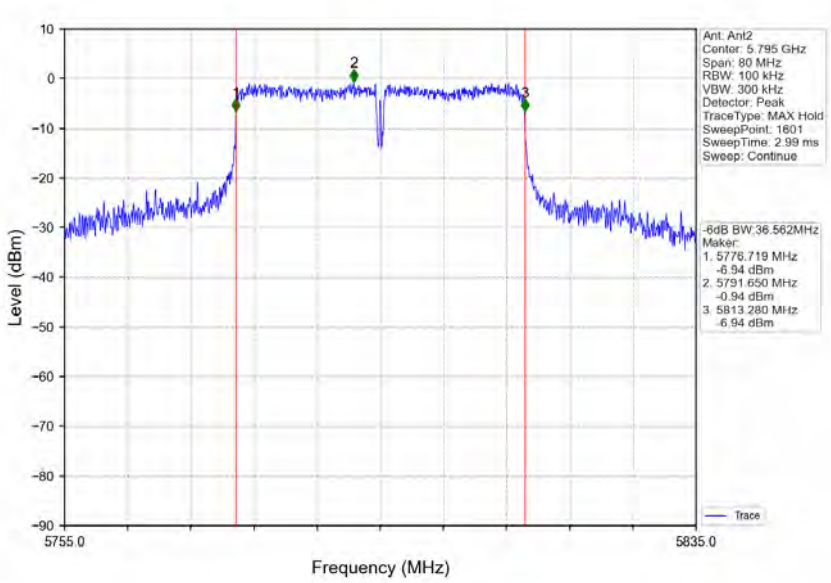
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV




802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

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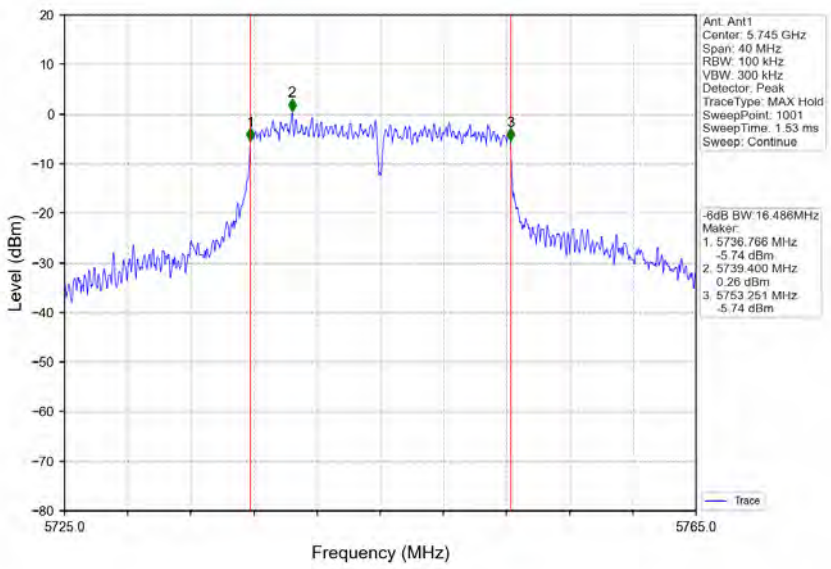
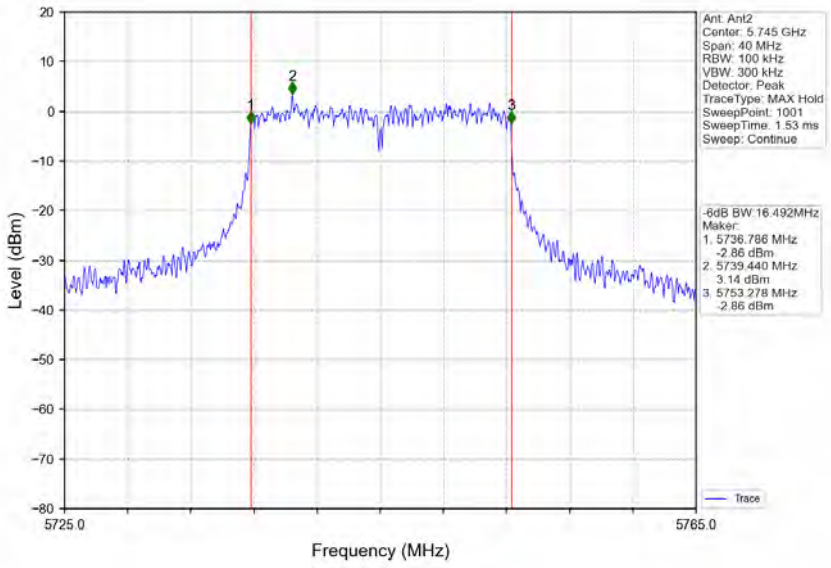
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV




802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

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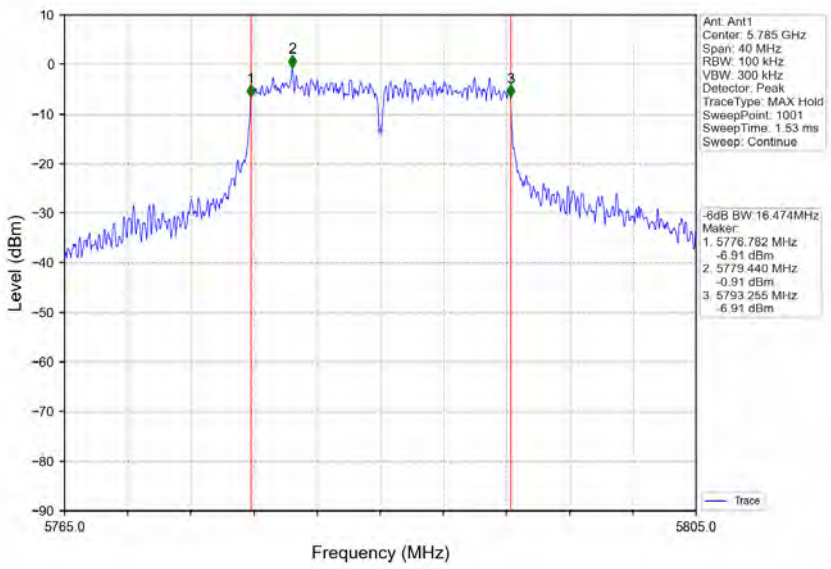
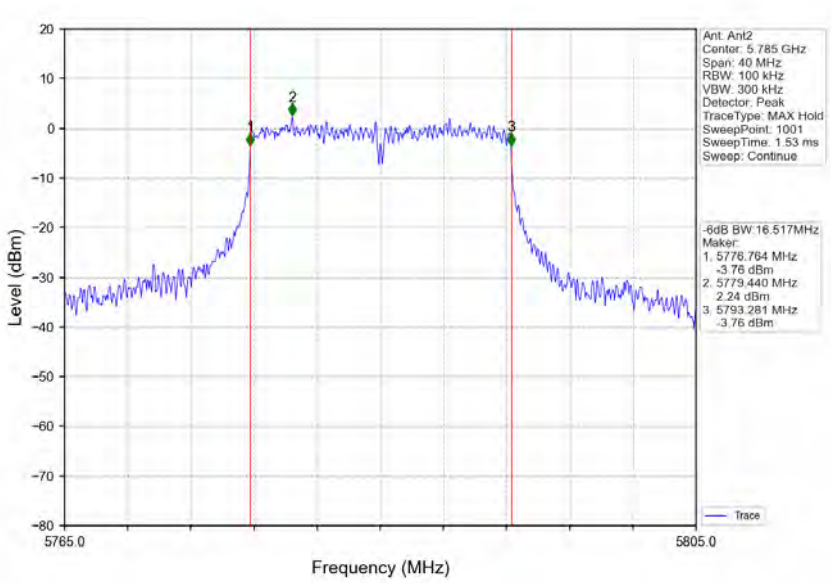
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV




802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV

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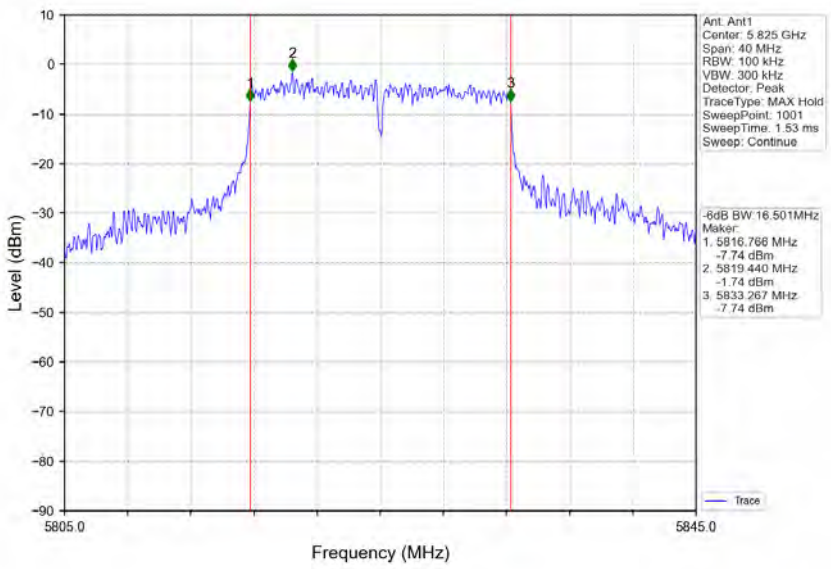
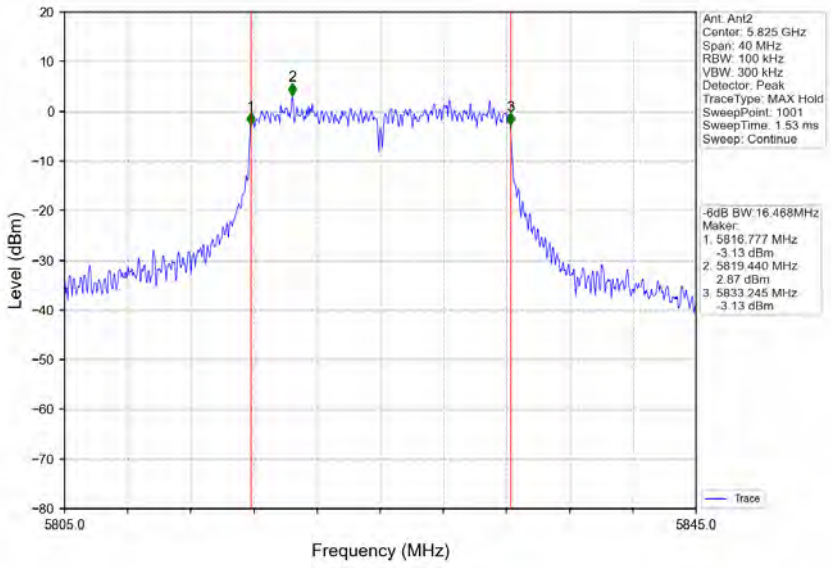
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV




802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

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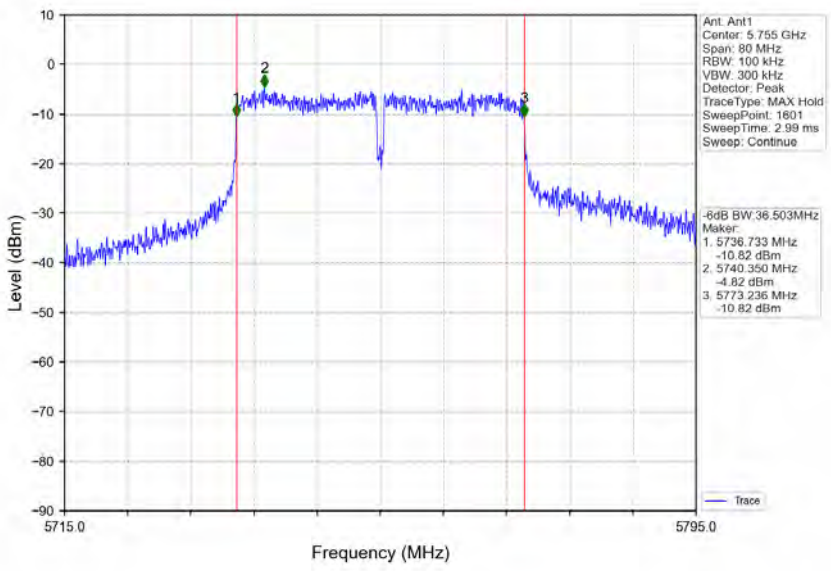
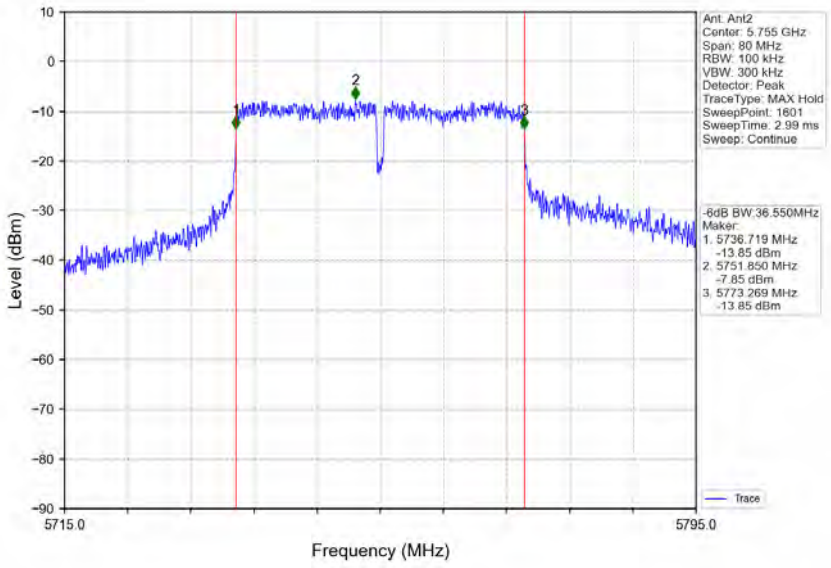
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV




802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV

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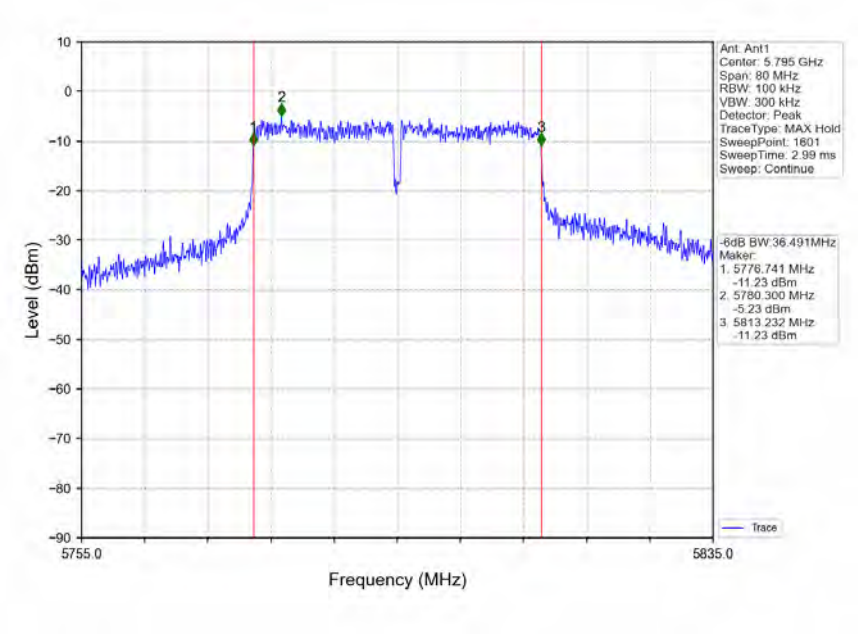
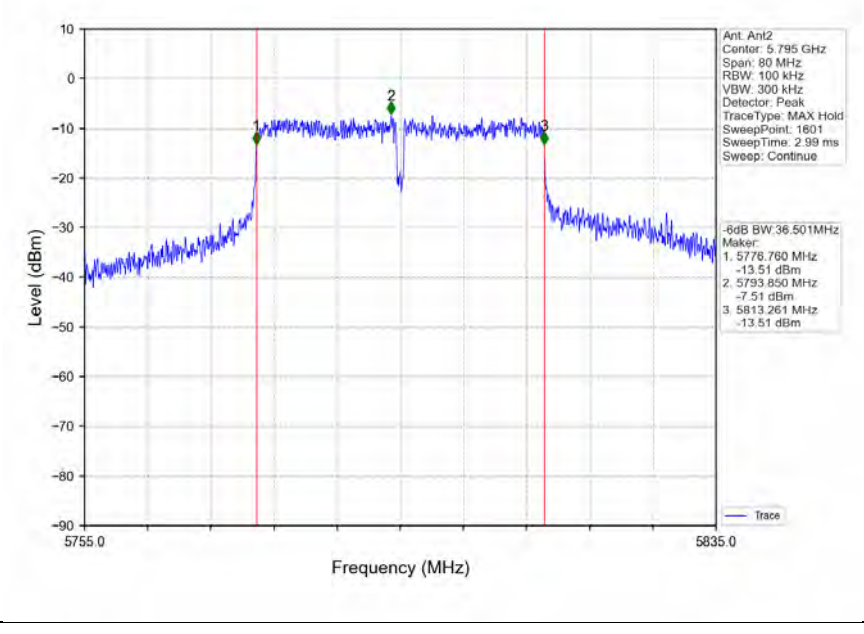
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

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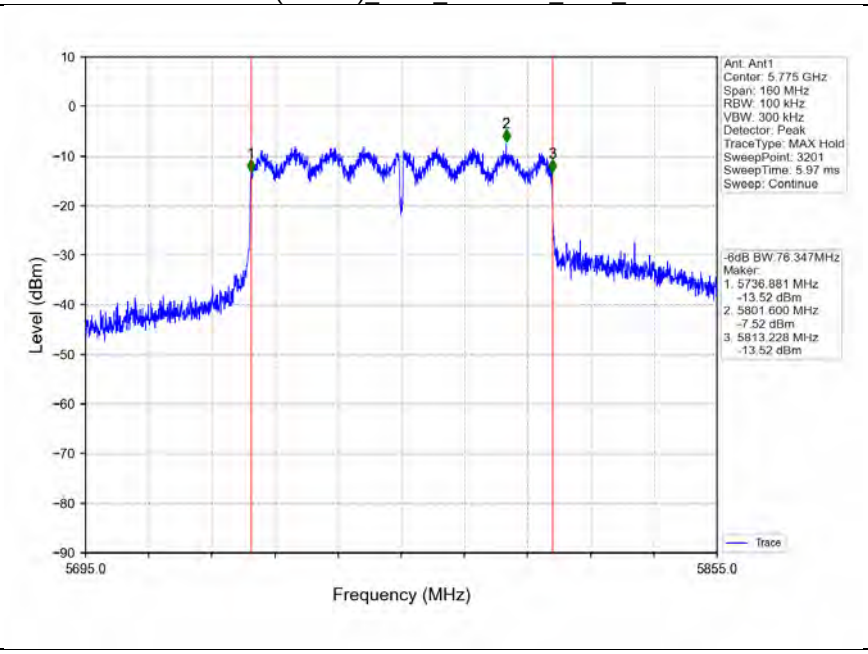
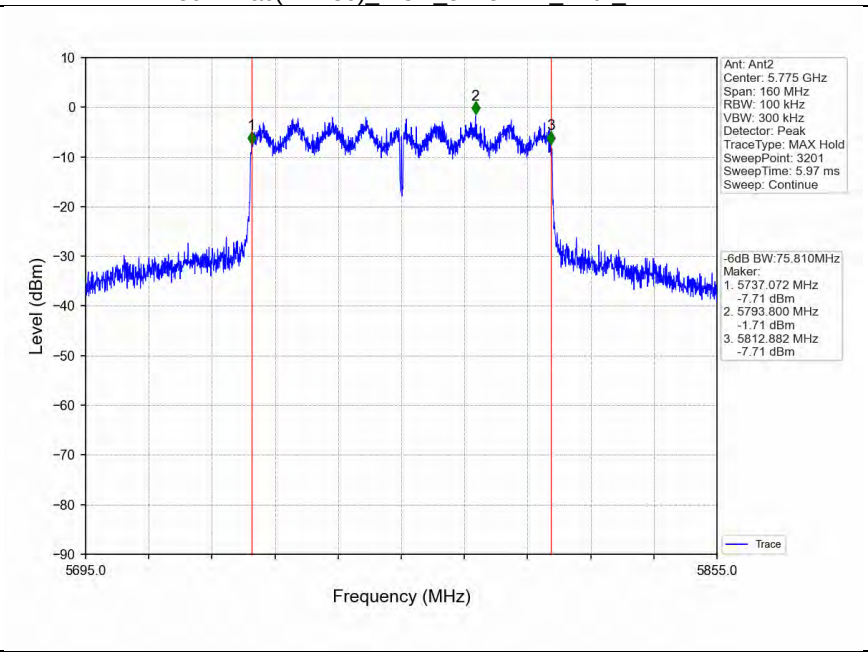
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV




802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV

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# 3. Maximum Conducted Output Power

## 3.1 Power

### 3.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) | | | | Verdict |
|---|---|---|---|---|---|---|---|
| | | | Ant1 | Ant2 | MIMO | Limit | |
| 802.11a | SISO | 5745 | 11.08 | 11.42 | / | <=30 | Pass |
| | | 5785 | 10.88 | 10.90 | / | <=30 | Pass |
| | | 5825 | 10.48 | 10.93 | / | <=30 | Pass |
| 802.11n (HT20) | MIMO | 5745 | 11.44 | 13.56 | 15.64 | <=30 | Pass |
| | | 5785 | 11.61 | 13.10 | 15.43 | <=30 | Pass |
| | | 5825 | 11.40 | 13.46 | 15.56 | <=30 | Pass |
| 802.11n (HT40) | MIMO | 5755 | 11.09 | 16.38 | 17.51 | <=30 | Pass |
| | | 5795 | 11.24 | 15.76 | 17.07 | <=30 | Pass |
| 802.11ac (VHT20) | MIMO | 5745 | 11.48 | 15.05 | 16.63 | <=30 | Pass |
| | | 5785 | 10.45 | 14.47 | 15.92 | <=30 | Pass |
| | | 5825 | 10.01 | 14.60 | 15.90 | <=30 | Pass |
| 802.11ac (VHT40) | MIMO | 5755 | 10.50 | 8.06 | 12.46 | <=30 | Pass |
| | | 5795 | 10.06 | 7.89 | 12.12 | <=30 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | 10.06 | 15.62 | 16.69 | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 1.94dBi; Ant2: 2.66dBi;<br>Note2: Directional Gain: 5.32dBi | | | | | | | |

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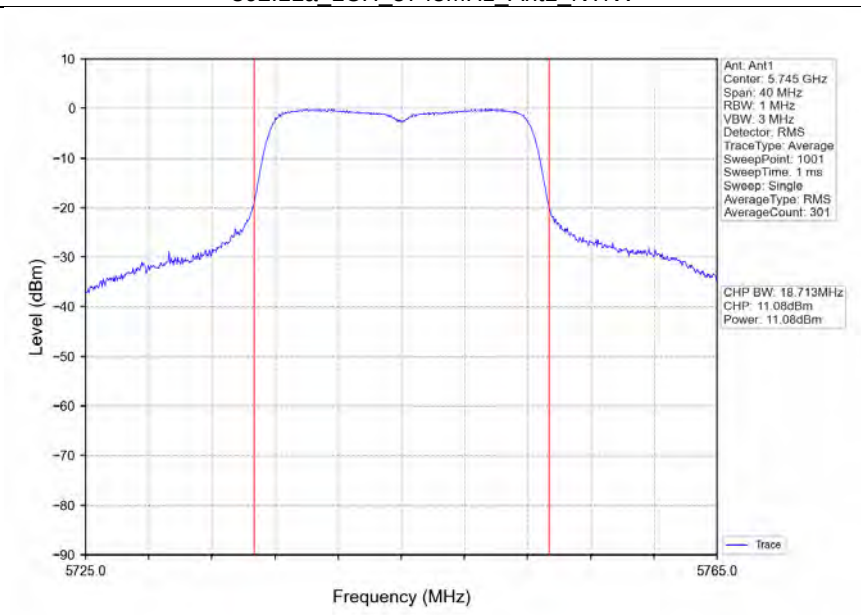
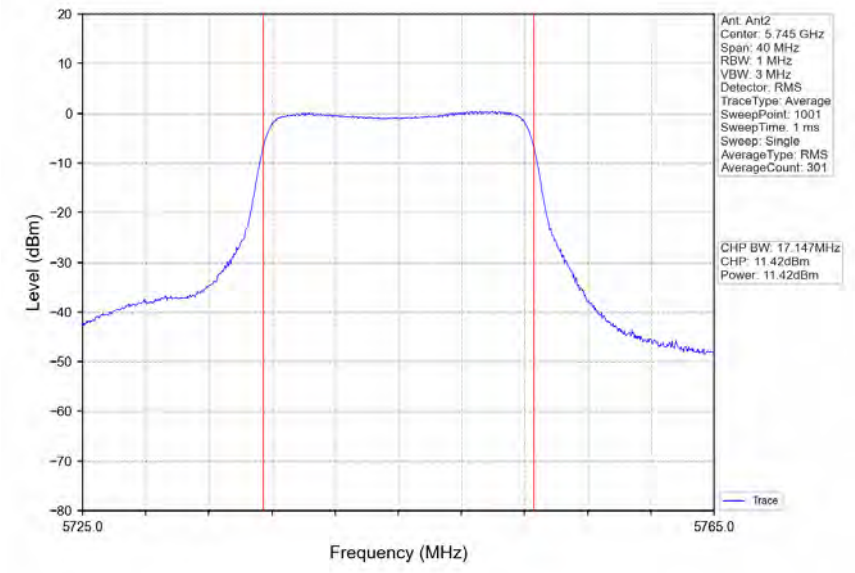
### 3.1.2 Test Graph

802.11a_LCH_5745MHz_Ant1_NTNV




802.11a_LCH_5745MHz_Ant2_NTNV

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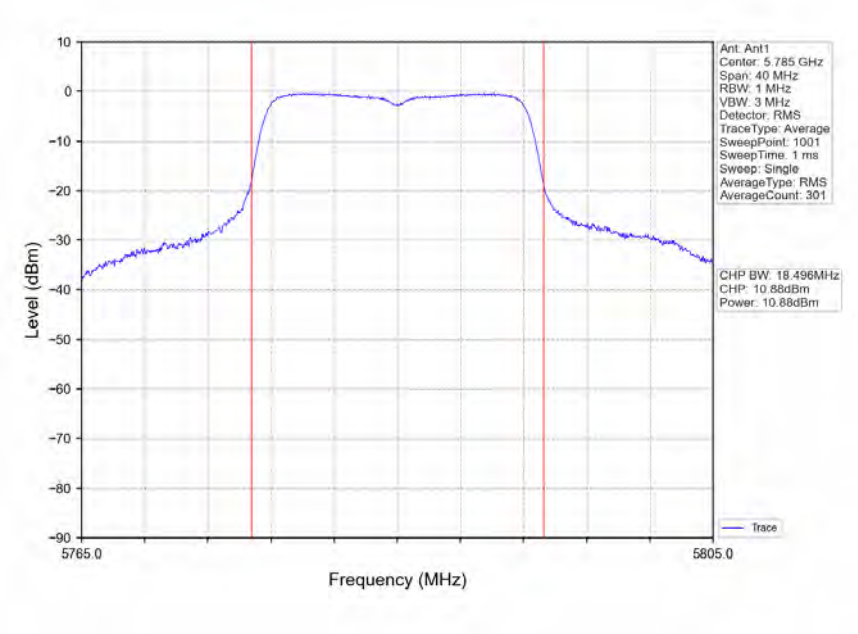
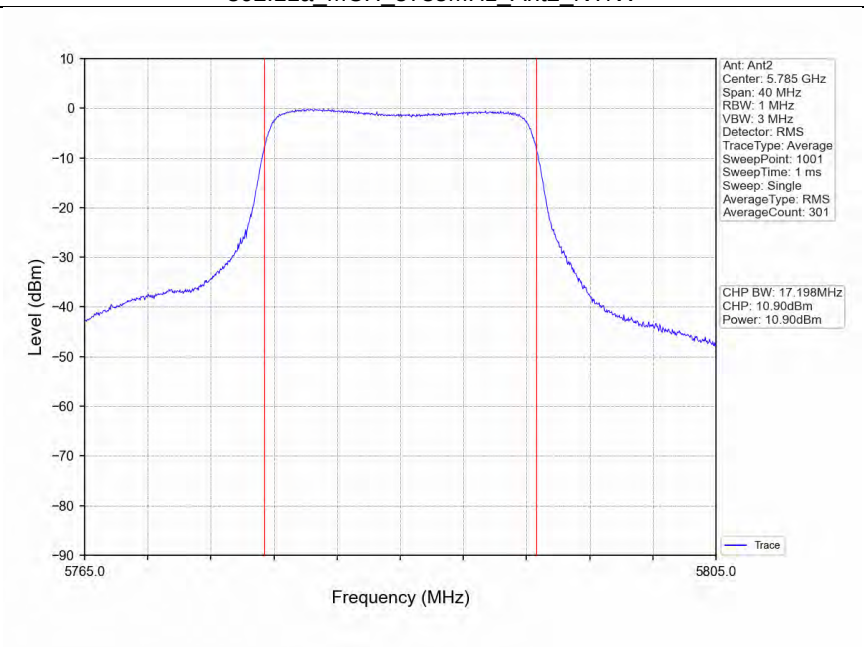
802.11a_MCH_5785MHz_Ant1_NTNV




802.11a_MCH_5785MHz_Ant2_NTNV

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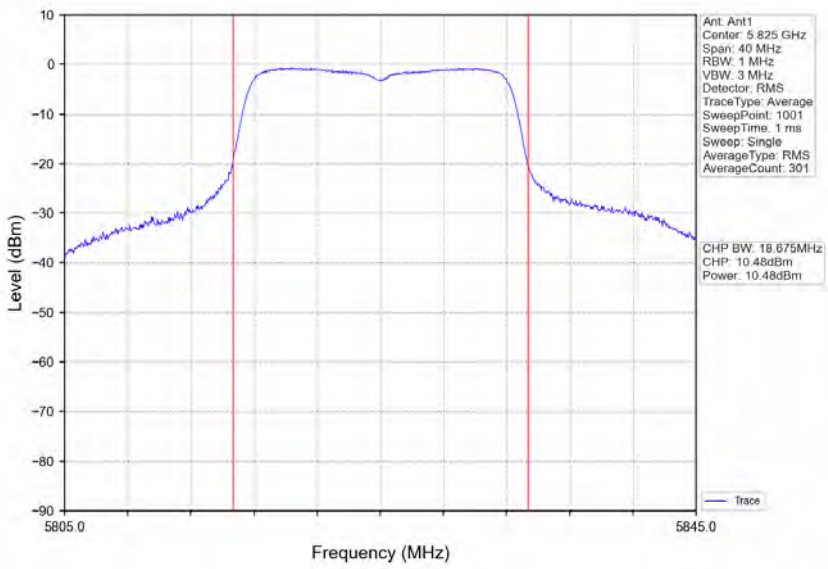
802.11a_HCH_5825MHz_Ant1_NTNV

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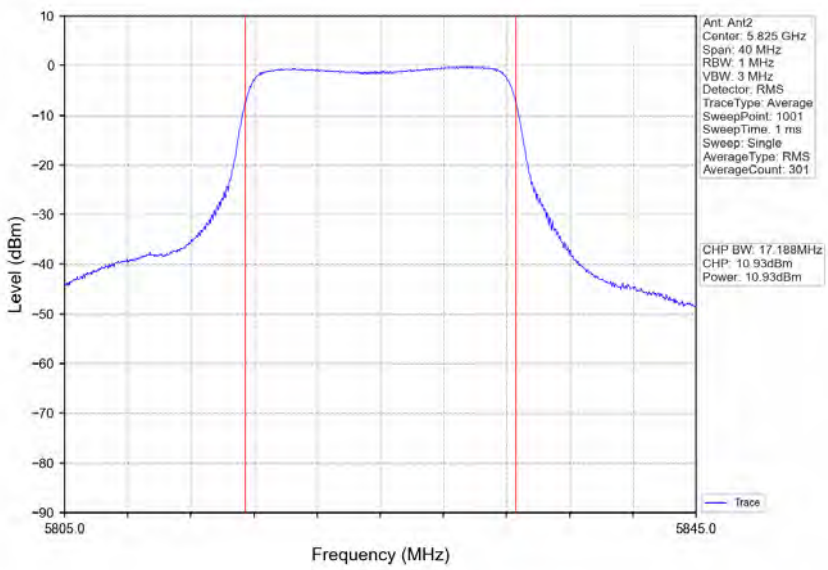


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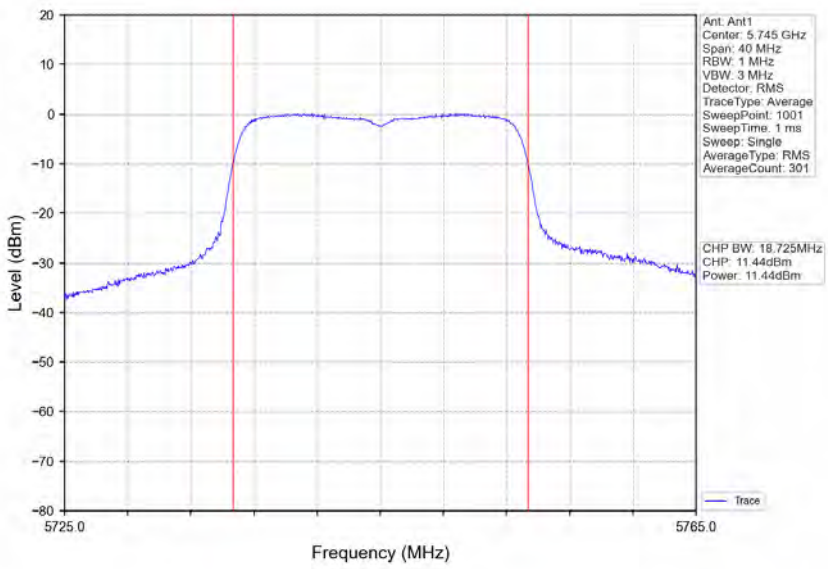
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

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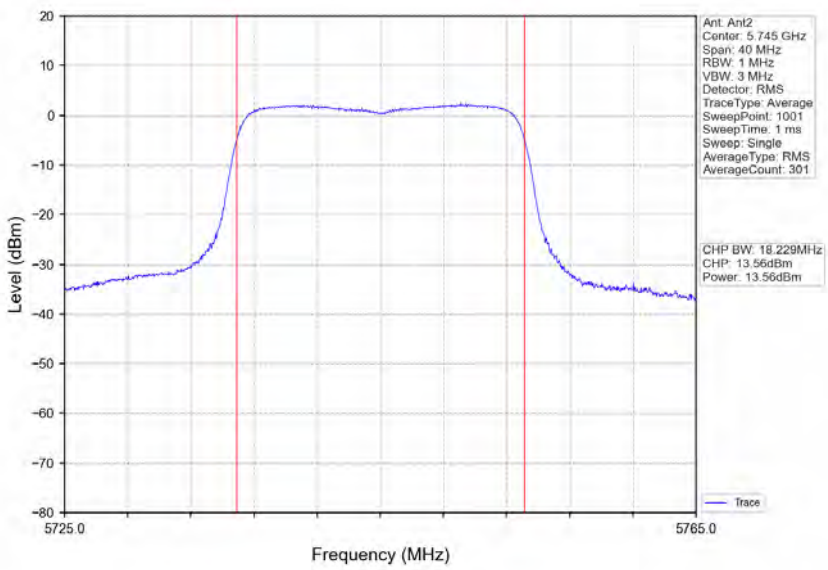


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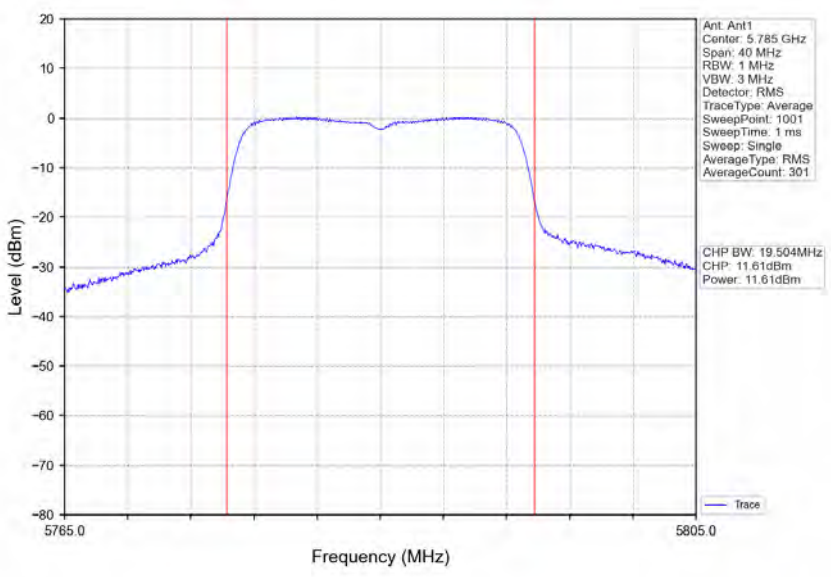
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

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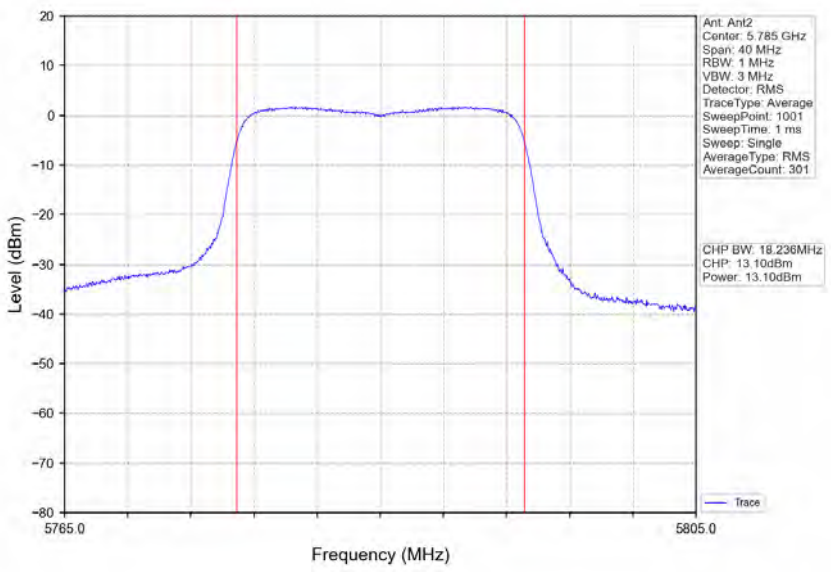


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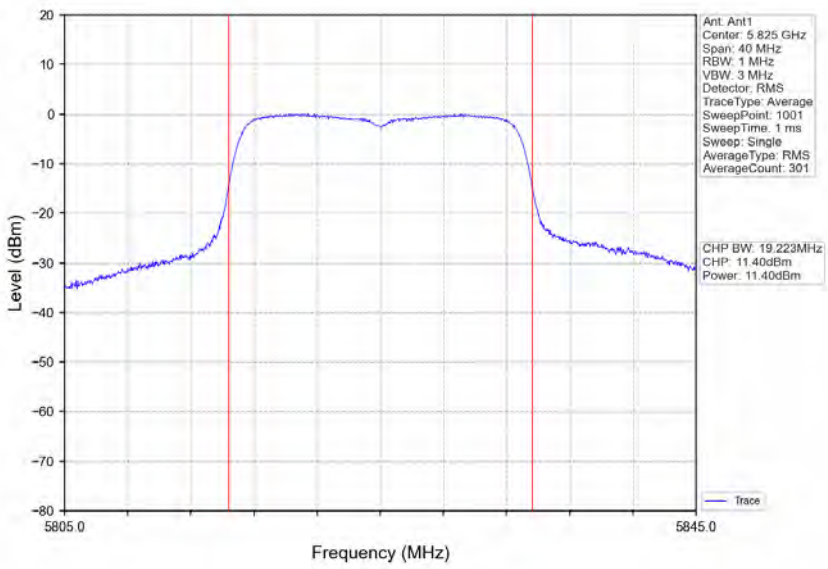
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

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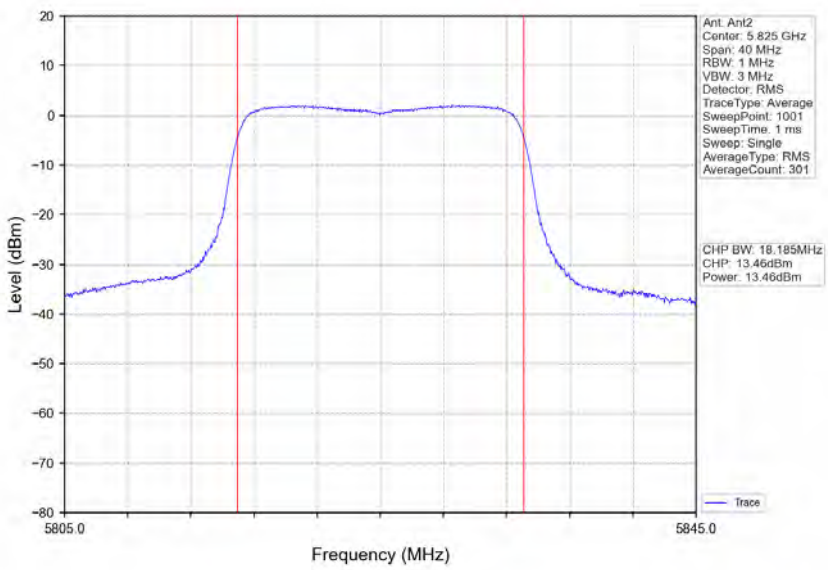


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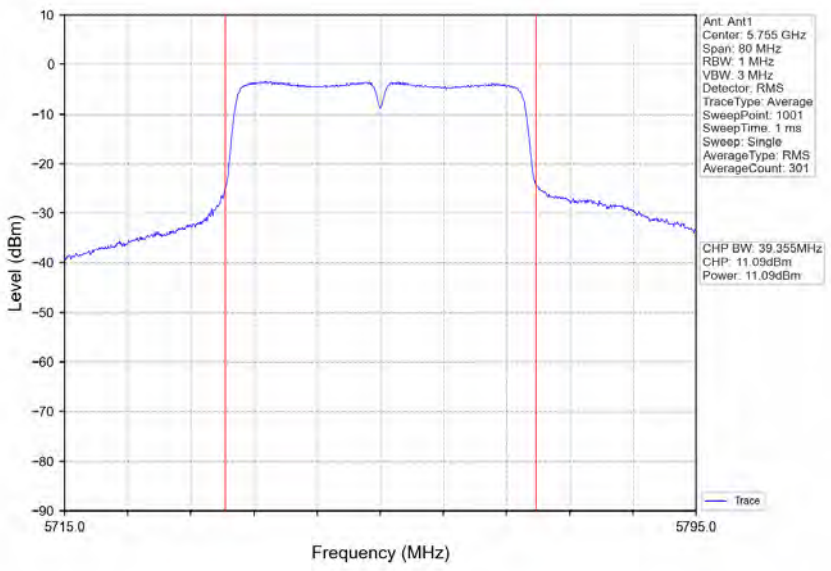
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

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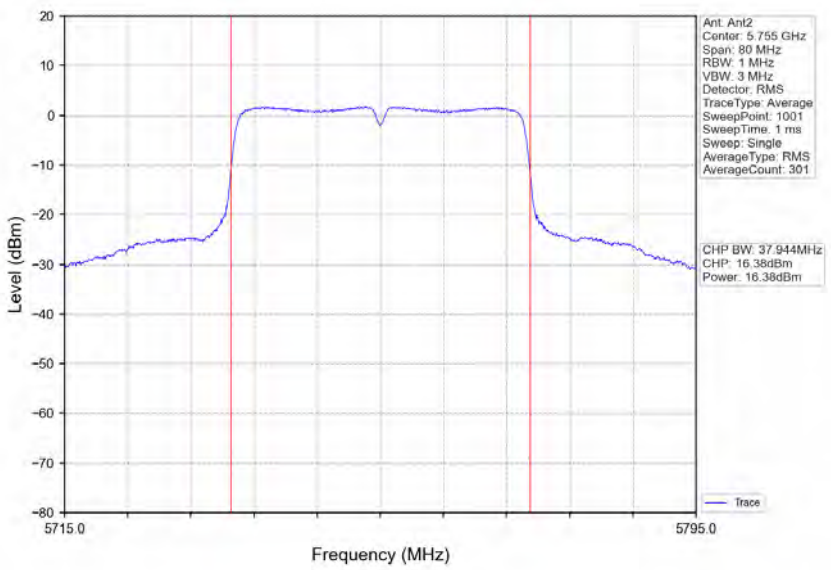


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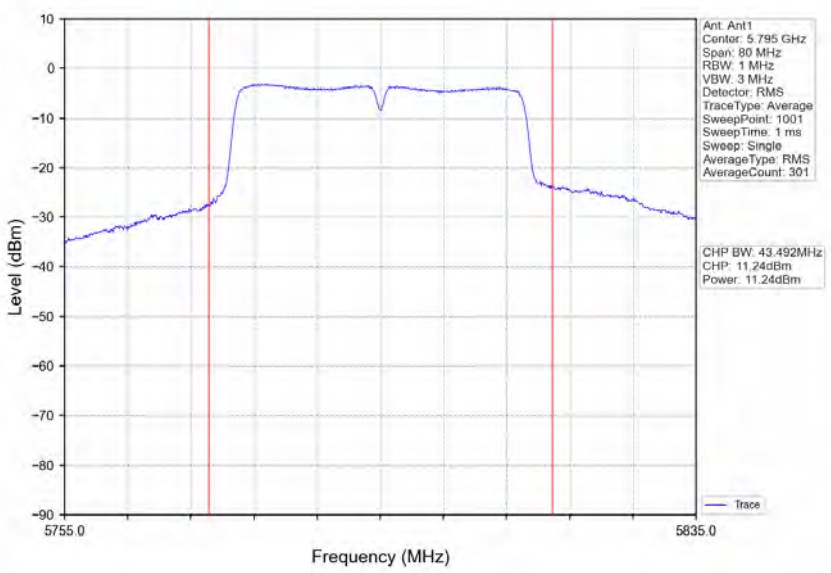
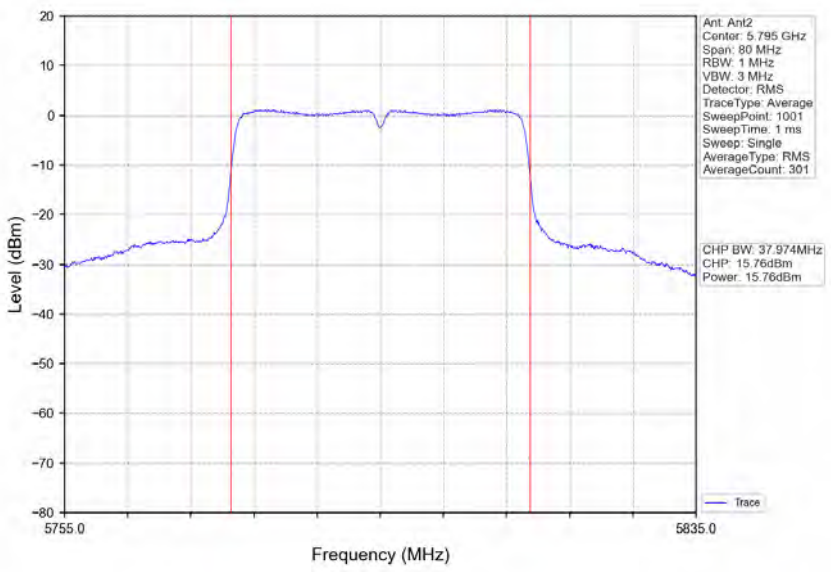
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV




802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

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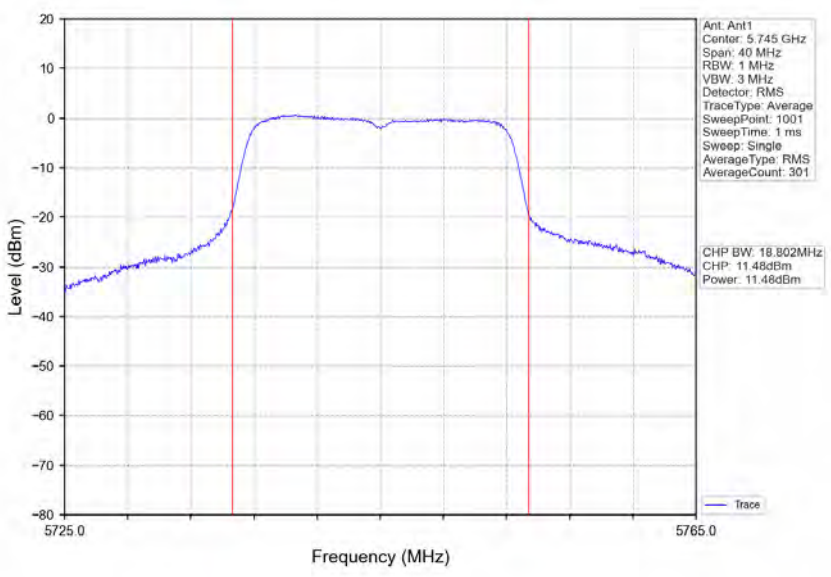
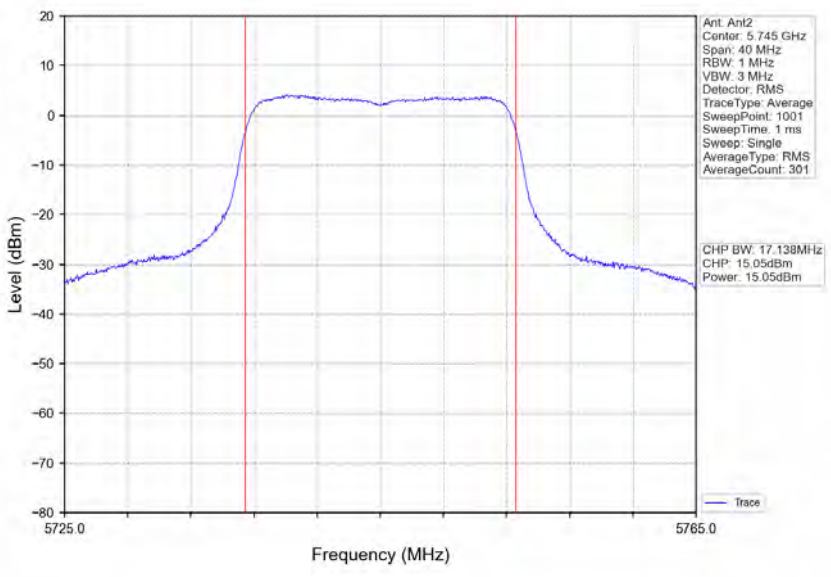
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV




802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

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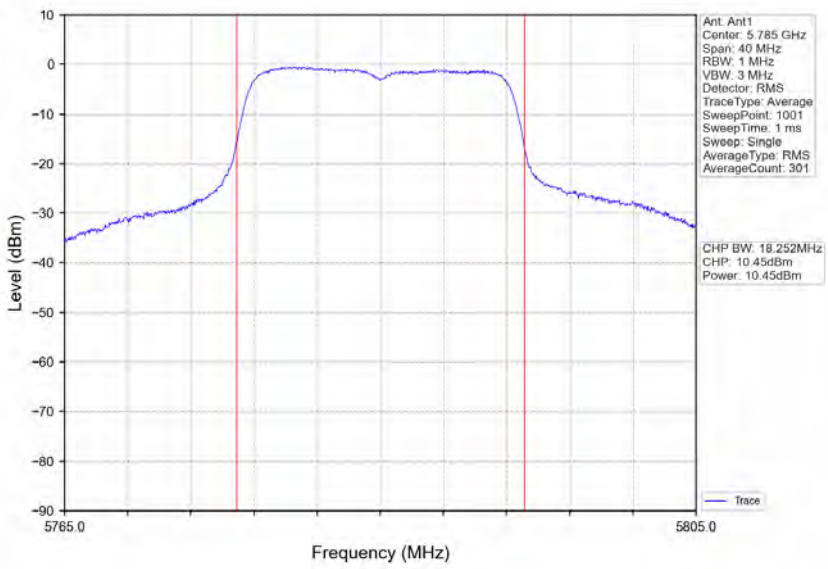
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

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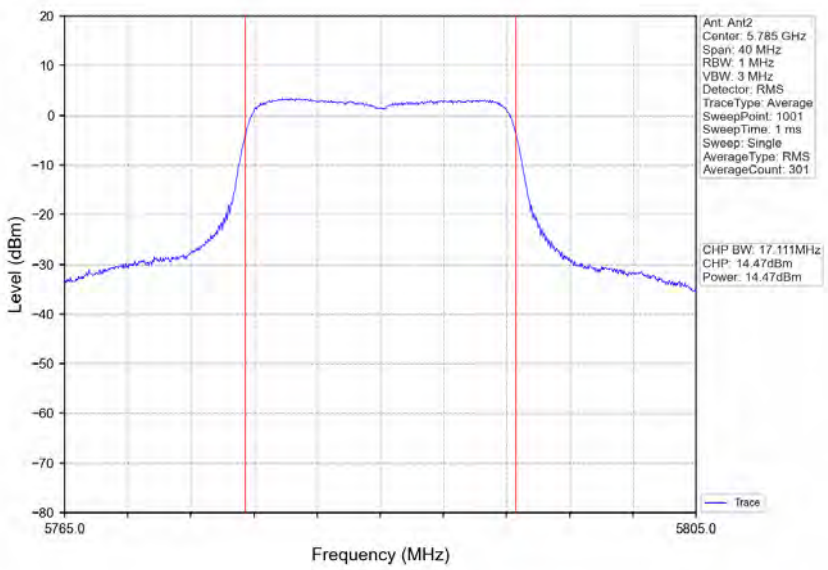


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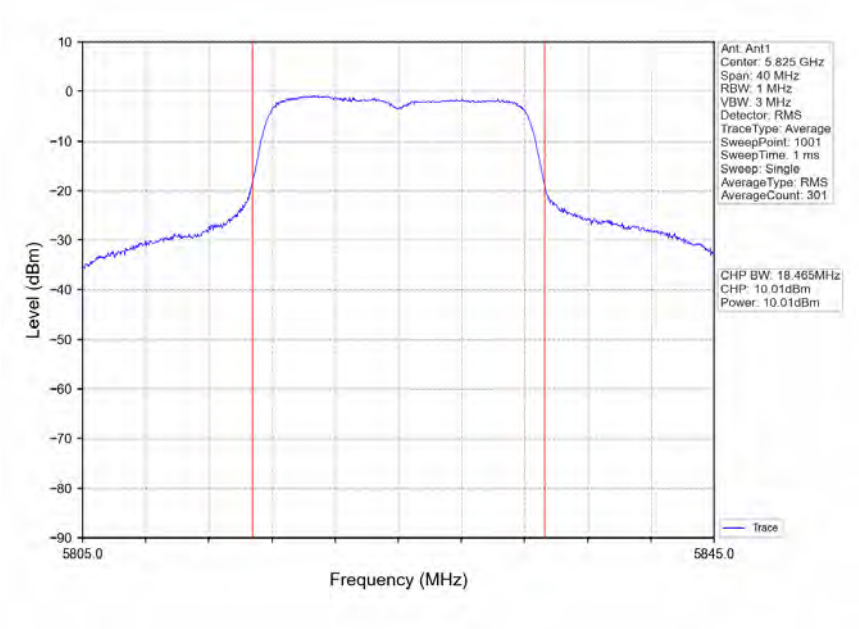
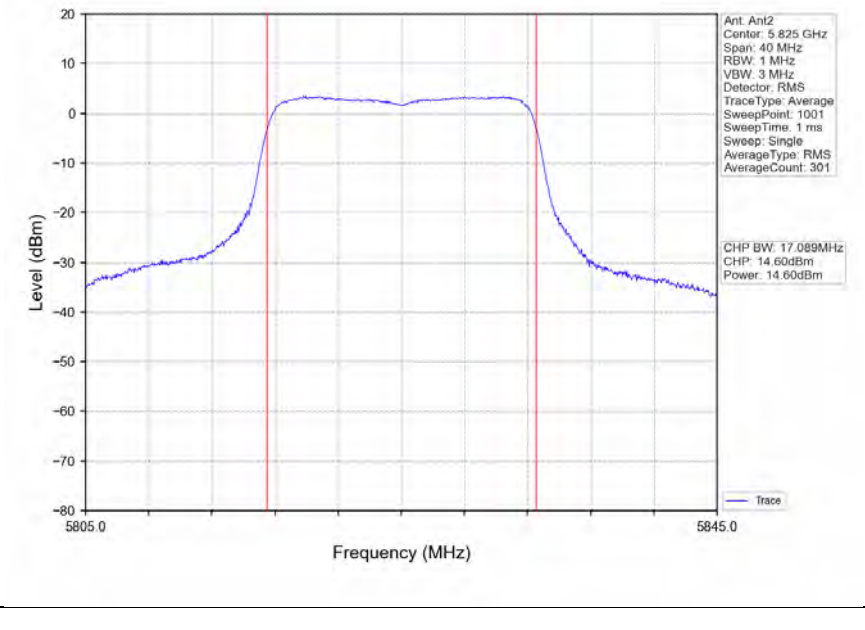
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV




802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

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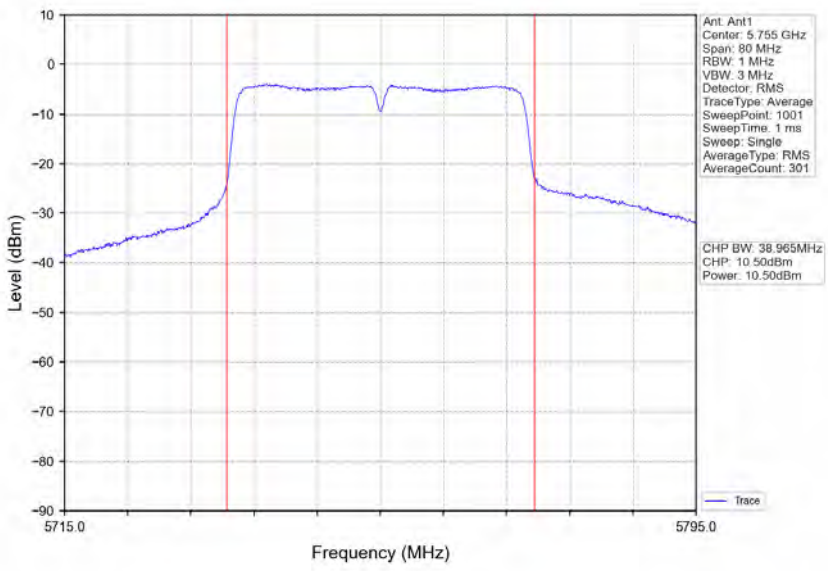
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

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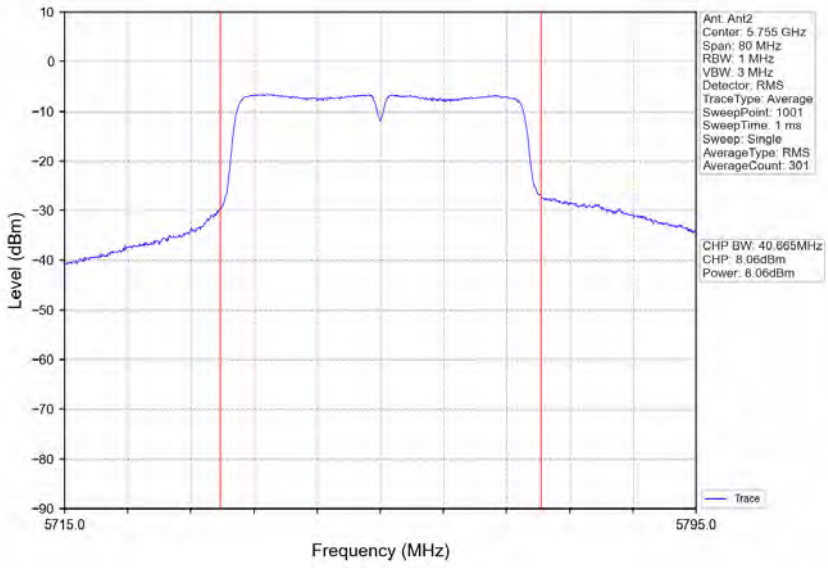


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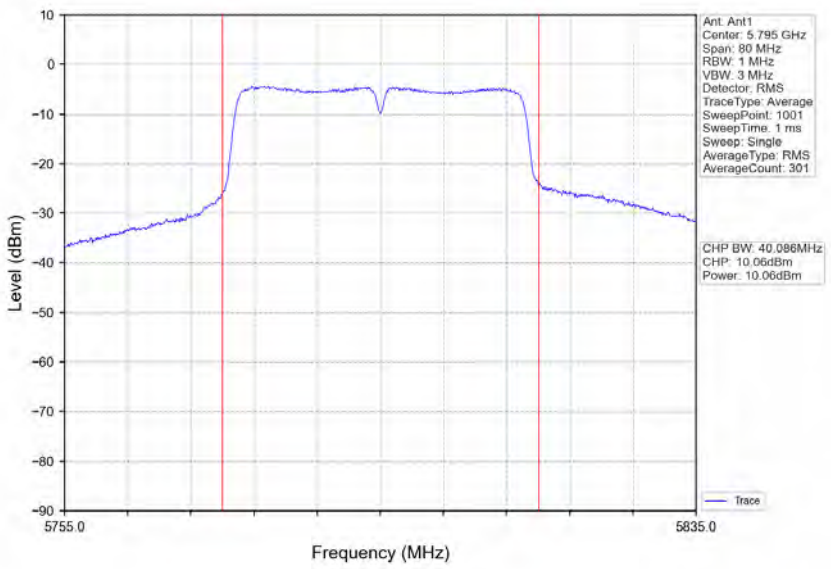
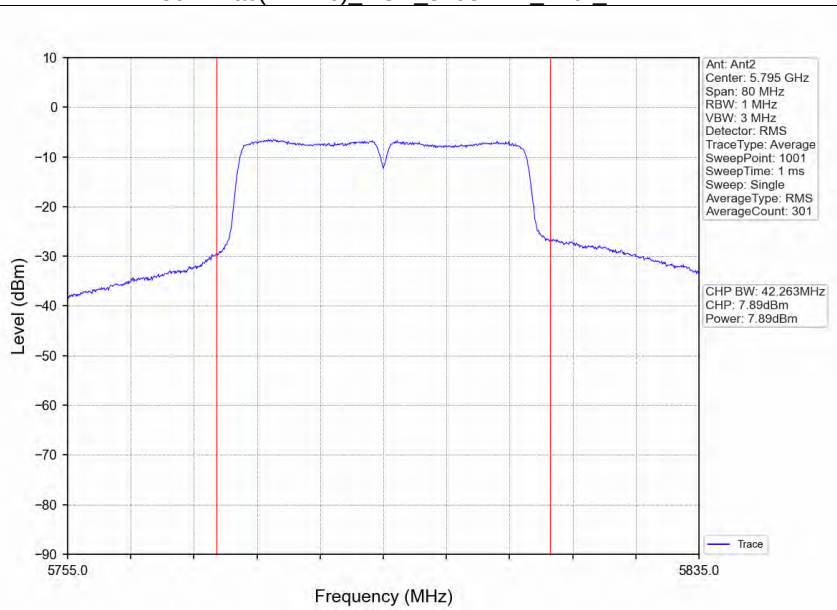
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

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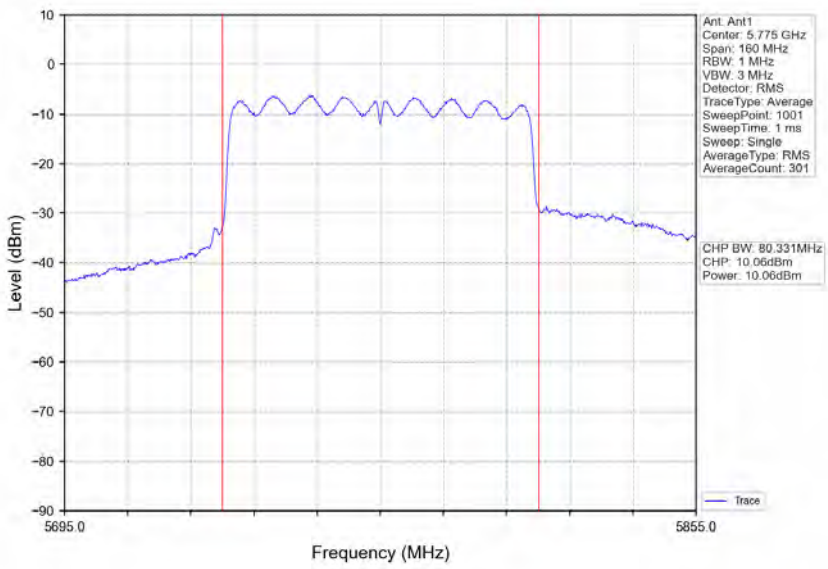
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

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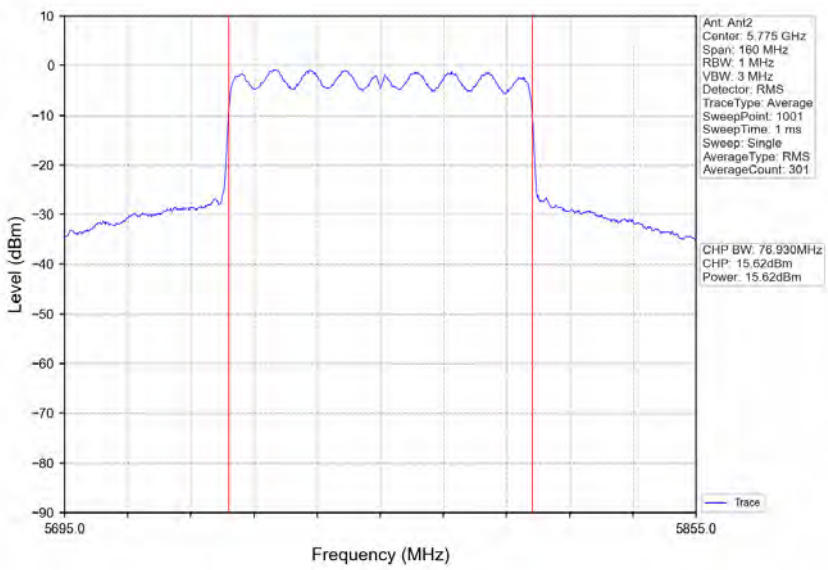


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# 4. Maximum Power Spectral Density

## 4.1 PSD-Band3

### 4.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/500kHz) | | | | Verdict |
|---|---|---|---|---|---|---|---|
| | | | Ant1 | Ant2 | MIMO | Limit | |
| 802.11a | SISO | 5745 | -2.91 | -2.45 | / | <=30 | Pass |
| | | 5785 | -3.17 | -3.06 | / | <=30 | Pass |
| | | 5825 | -3.50 | -2.74 | / | <=30 | Pass |
| 802.11n (HT20) | MIMO | 5745 | -2.62 | -0.60 | 1.39 | <=30 | Pass |
| | | 5785 | -2.64 | -1.05 | 1.18 | <=30 | Pass |
| | | 5825 | -2.66 | -0.62 | 1.35 | <=30 | Pass |
| 802.11n (HT40) | MIMO | 5755 | -6.31 | -1.20 | -0.12 | <=30 | Pass |
| | | 5795 | -6.07 | -1.80 | -0.53 | <=30 | Pass |
| 802.11ac (VHT20) | MIMO | 5745 | -2.28 | 1.14 | 2.63 | <=30 | Pass |
| | | 5785 | -3.25 | 0.80 | 2.15 | <=30 | Pass |
| | | 5825 | -3.66 | 0.71 | 1.85 | <=30 | Pass |
| 802.11ac (VHT40) | MIMO | 5755 | -6.87 | -9.60 | -5.02 | <=30 | Pass |
| | | 5795 | -7.47 | -9.47 | -5.43 | <=30 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | -8.84 | -3.35 | -2.47 | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 1.94dBi; Ant2: 2.66dBi;<br>Note2: Directional Gain: 5.32dBi | | | | | | | |

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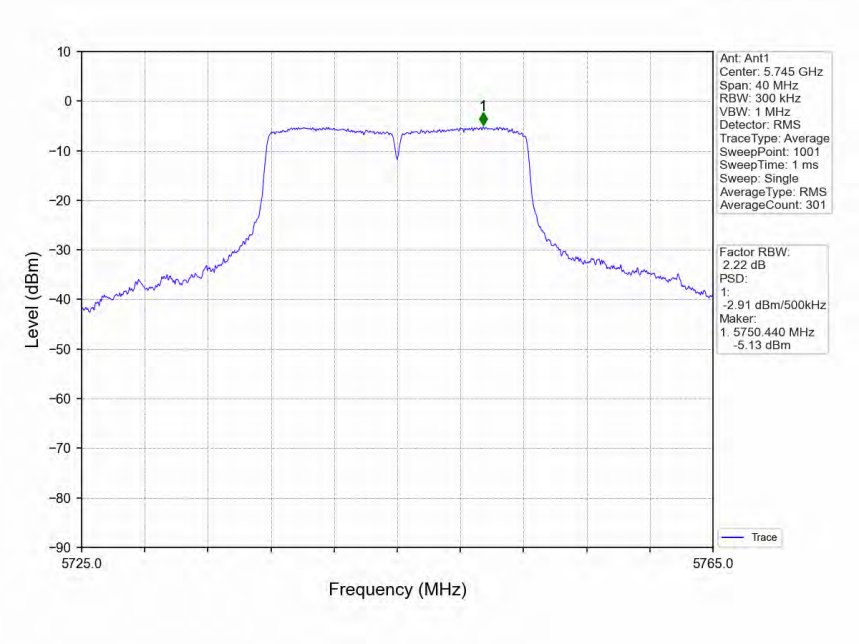
## 4.1.2 Test Graph

802.11a_LCH_5745MHz_Ant1_NTNV

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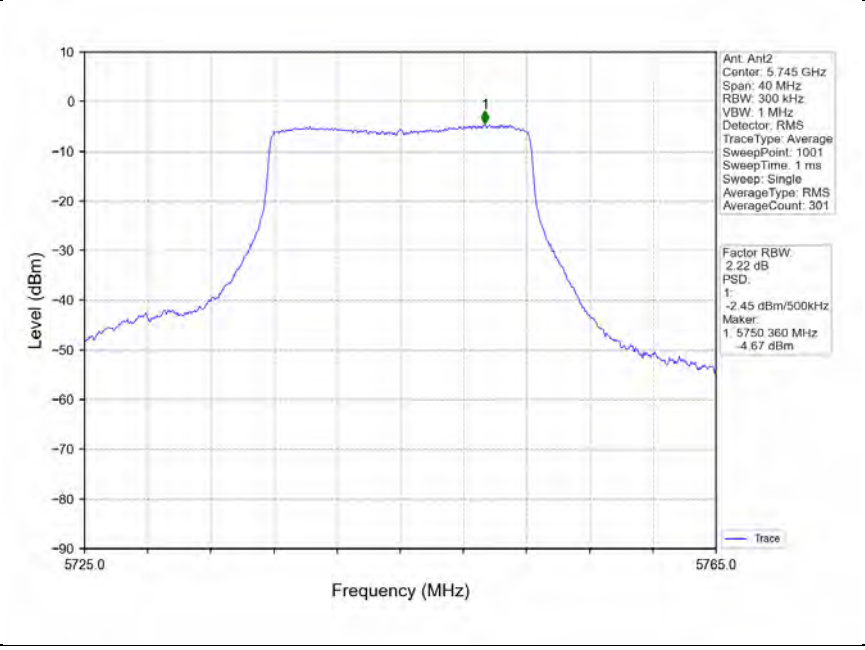


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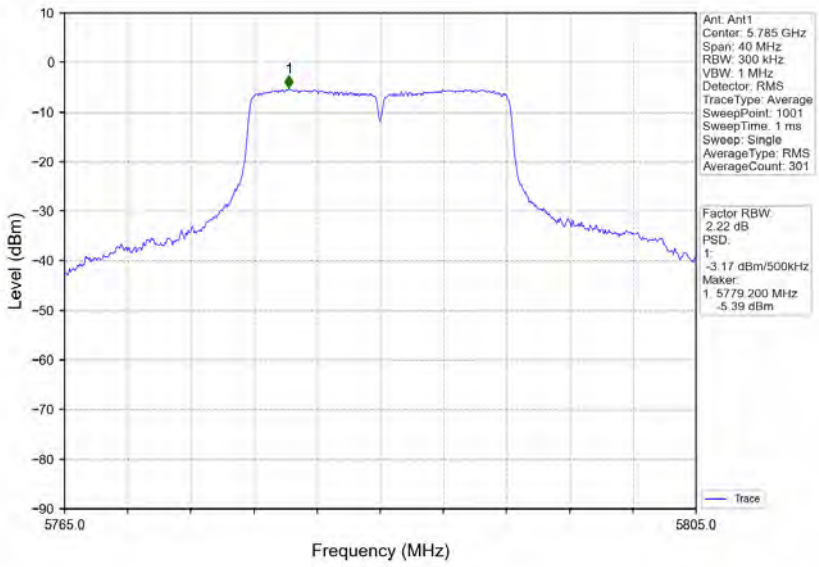
802.11a_MCH_5785MHz_Ant1_NTNV

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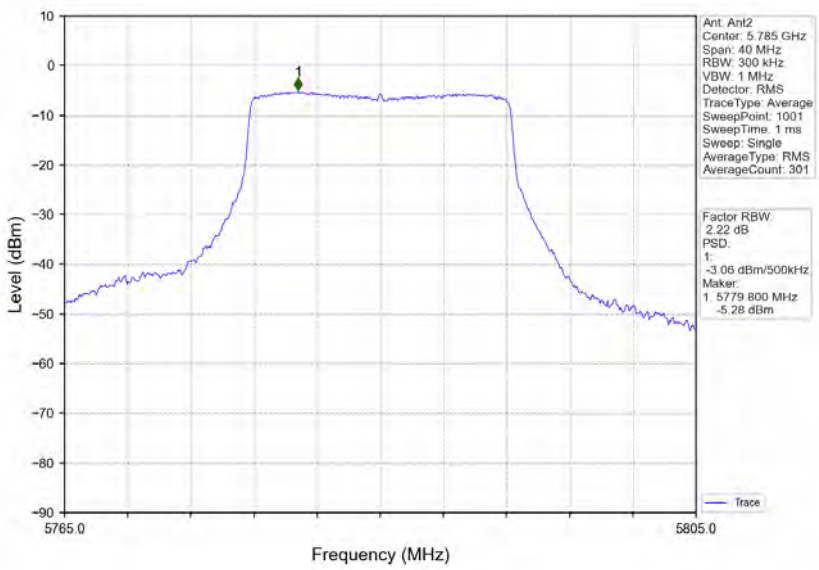


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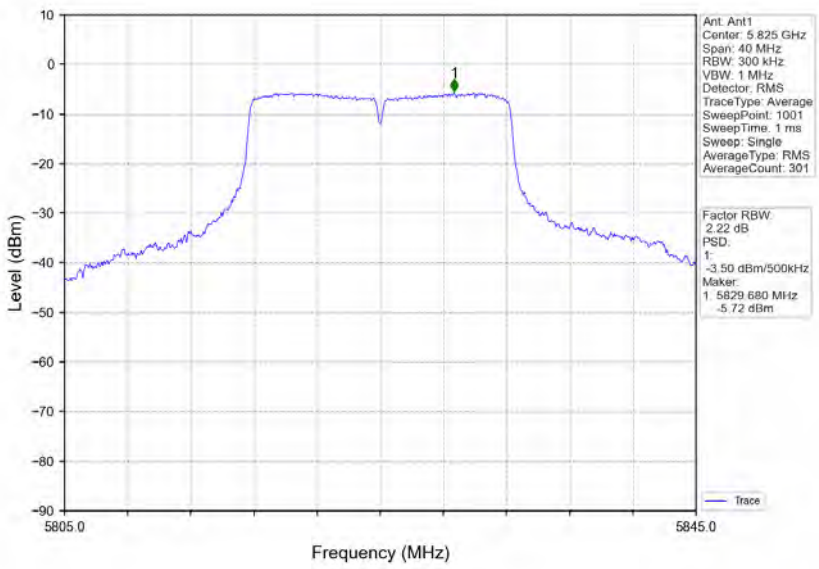
802.11a_HCH_5825MHz_Ant1_NTNV

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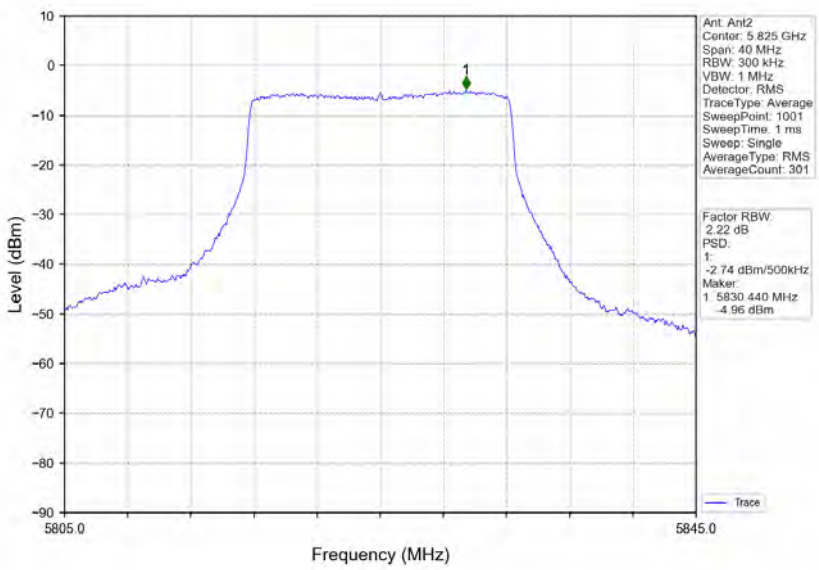


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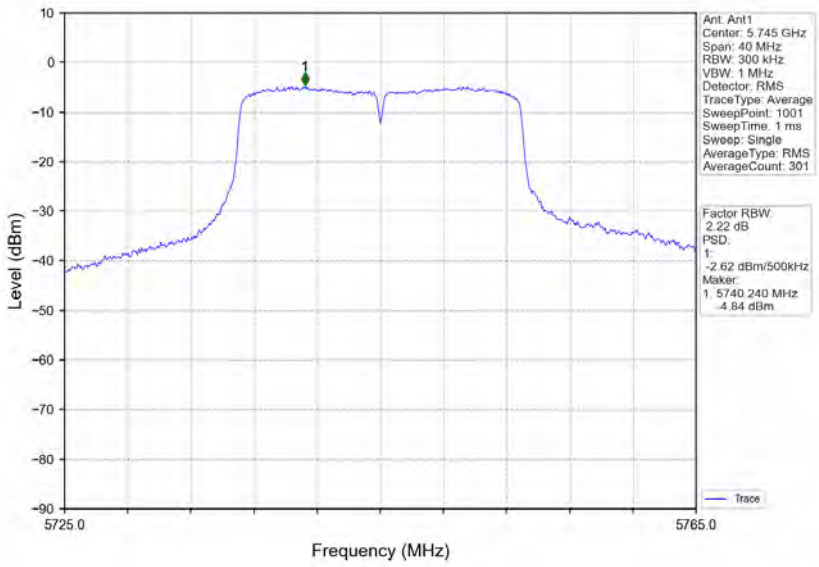
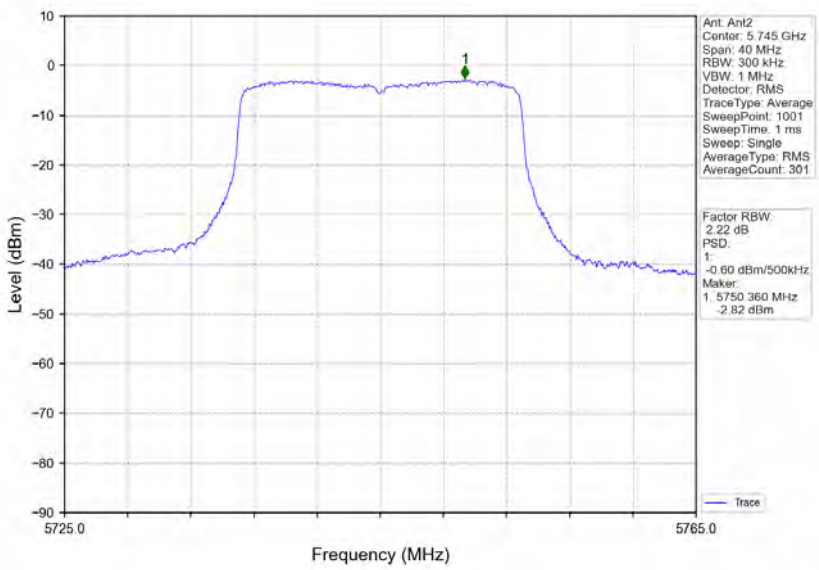
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV




802.11n(HT20)_LCH_5745MHz_Ant2_NTNV

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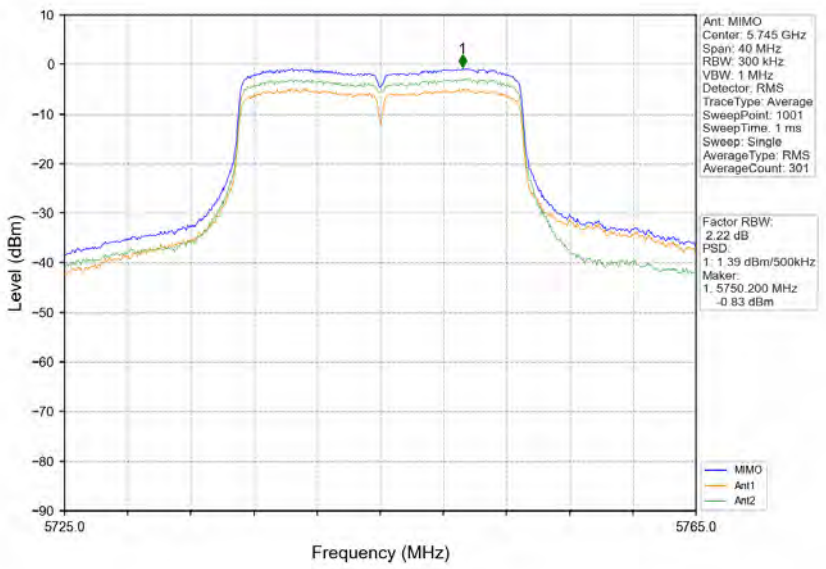
802.11n(HT20)_LCH_5745MHz_MIMO_NTNV

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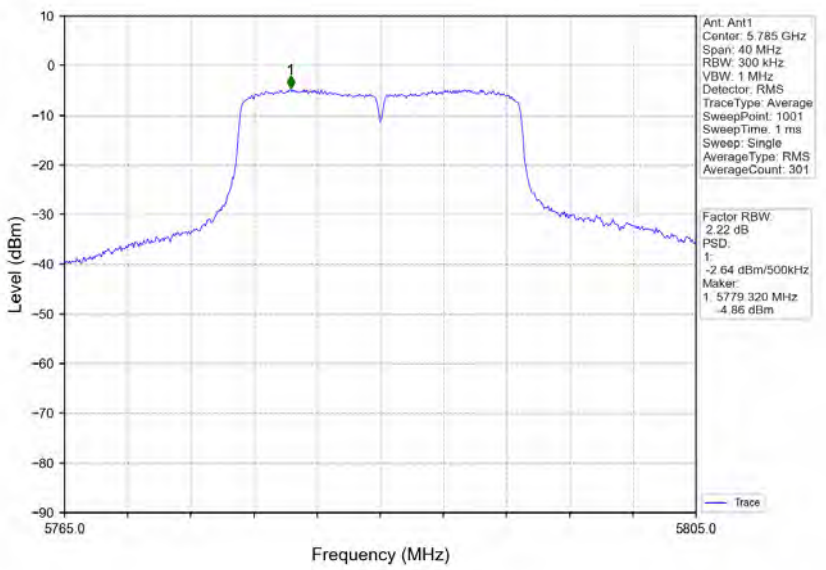


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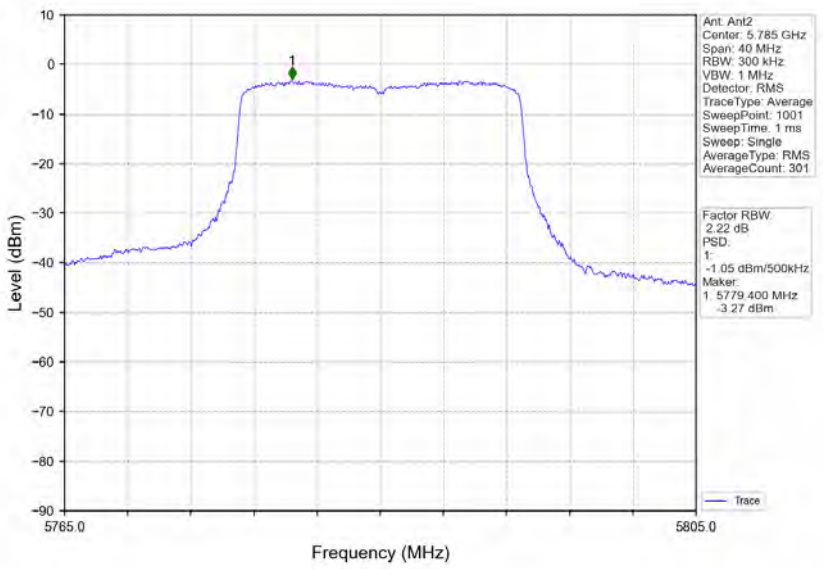
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

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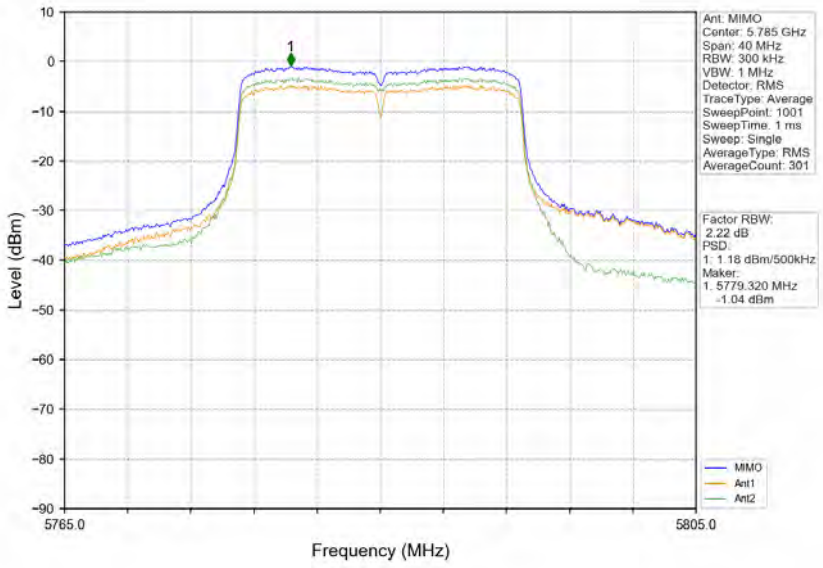


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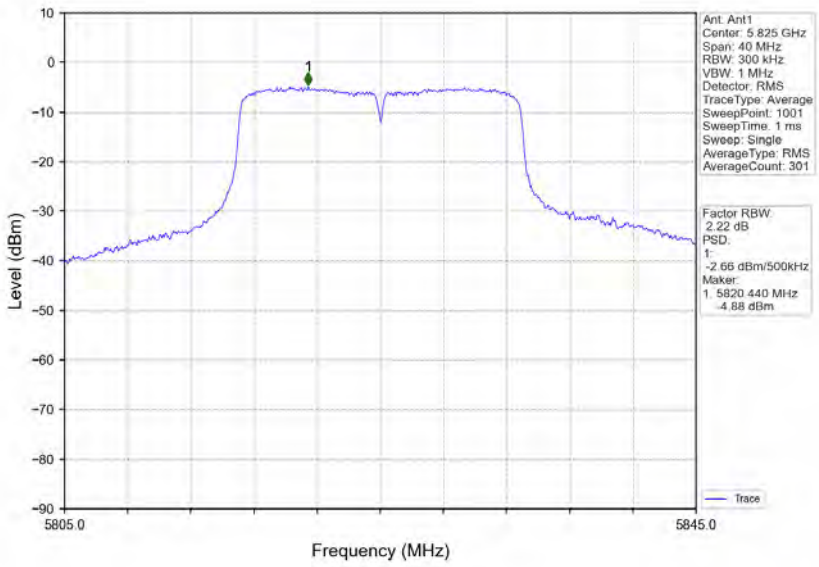
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

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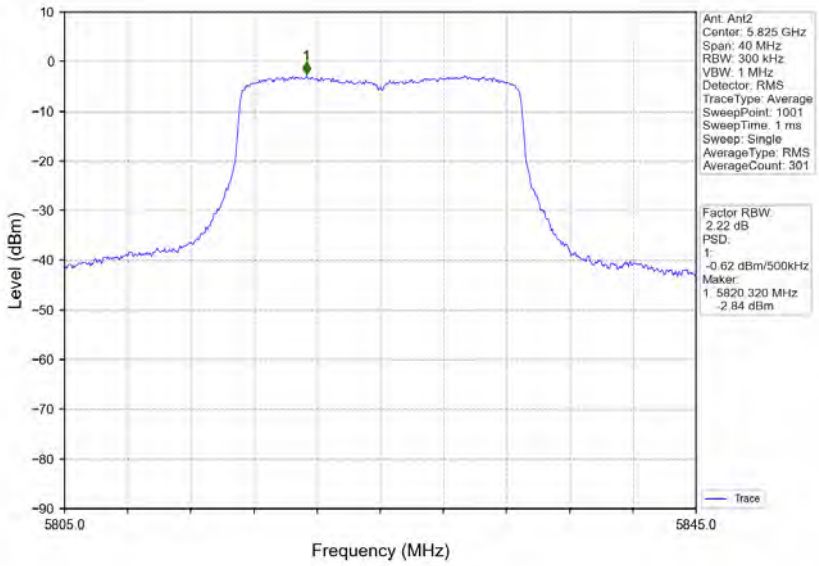


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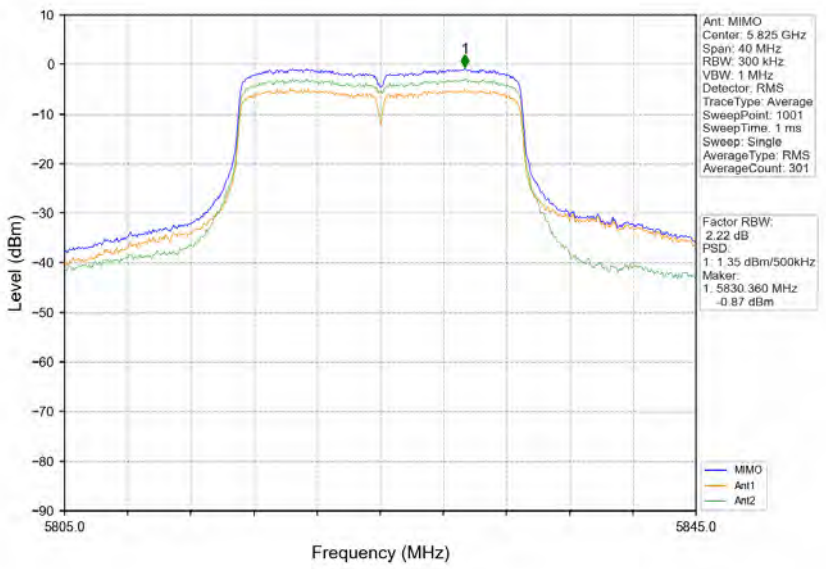


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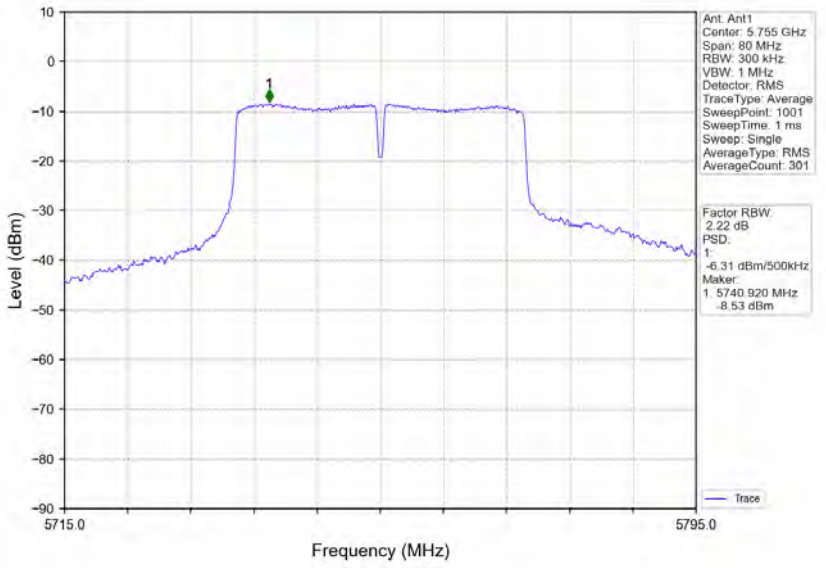


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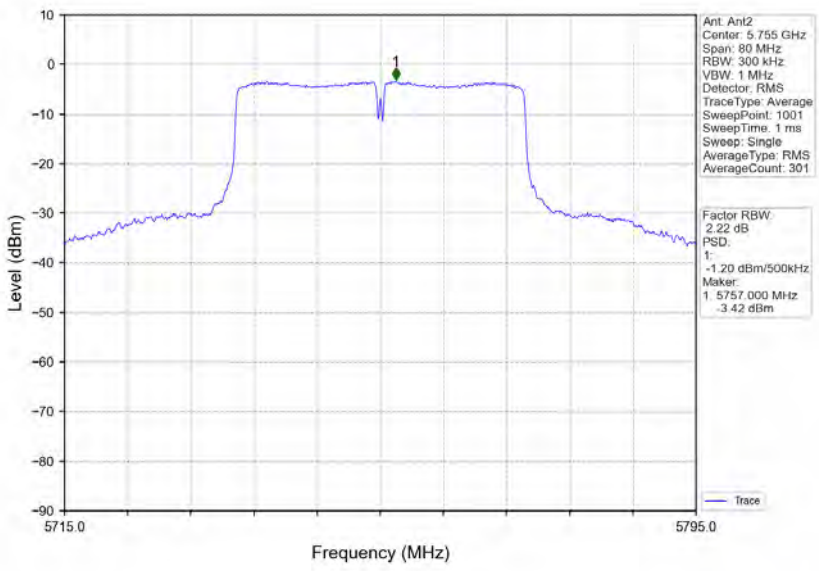
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV

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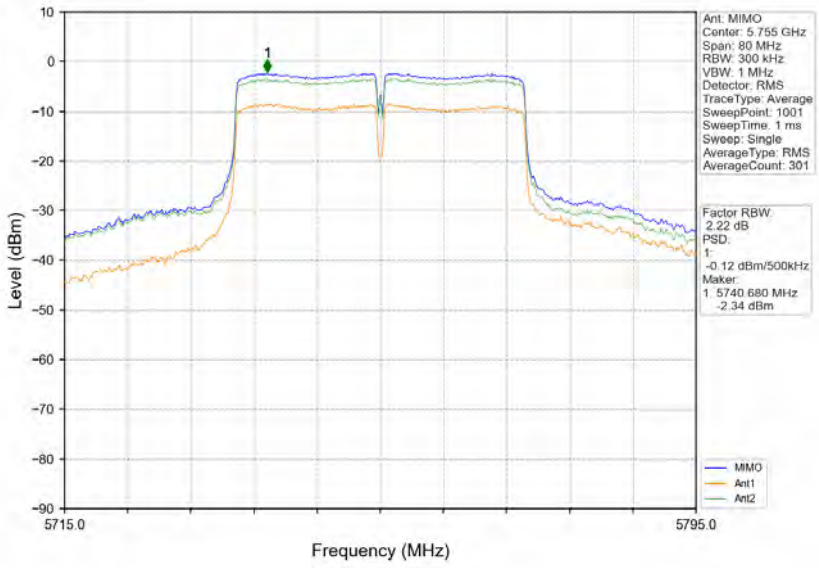


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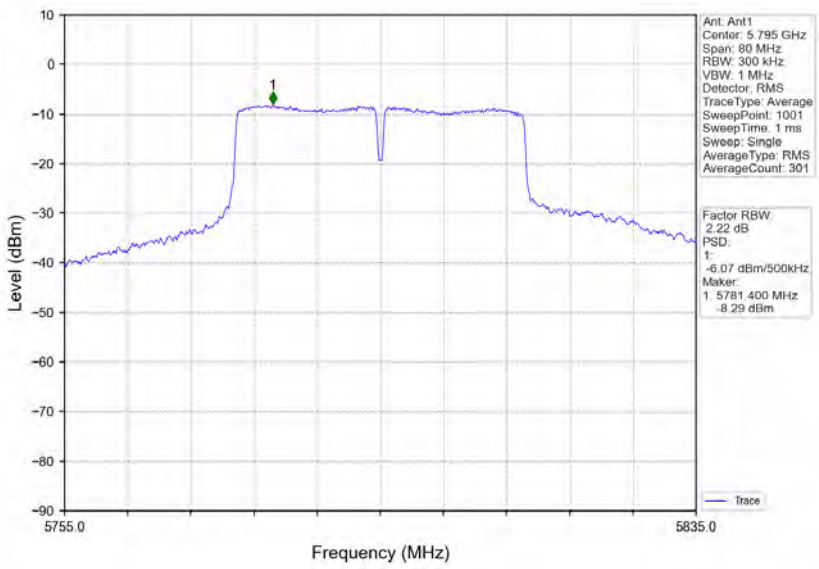
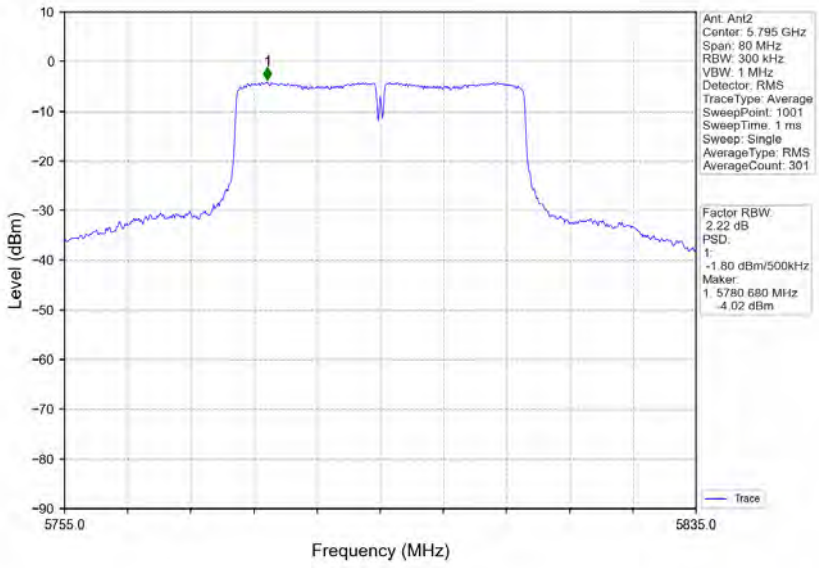
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV




802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

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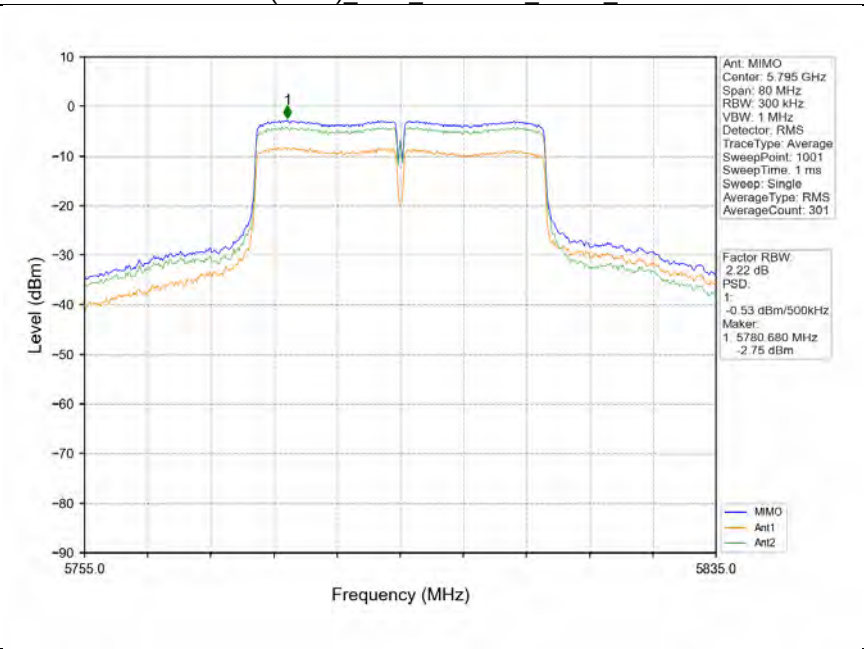
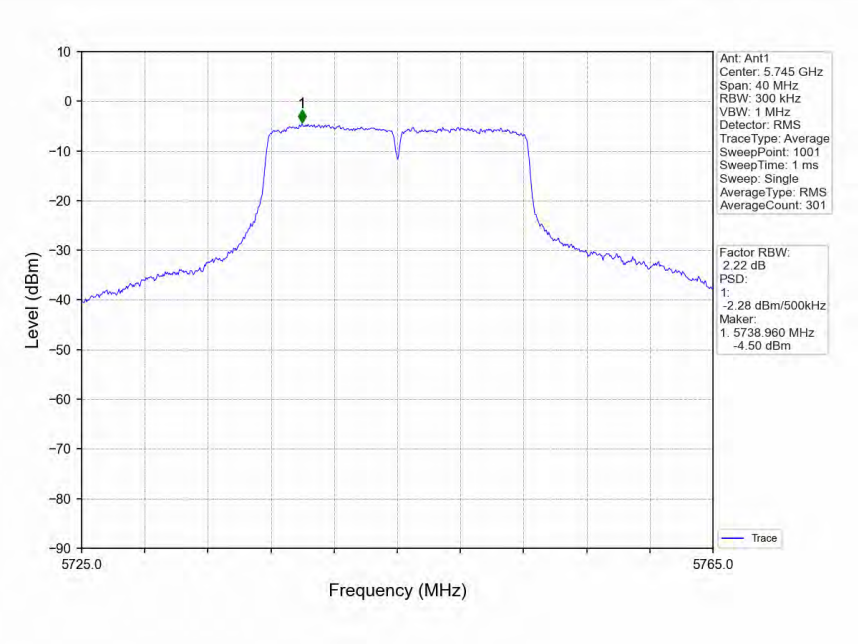
802.11n(HT40)_HCH_5795MHz_MIMO_NTNV




802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

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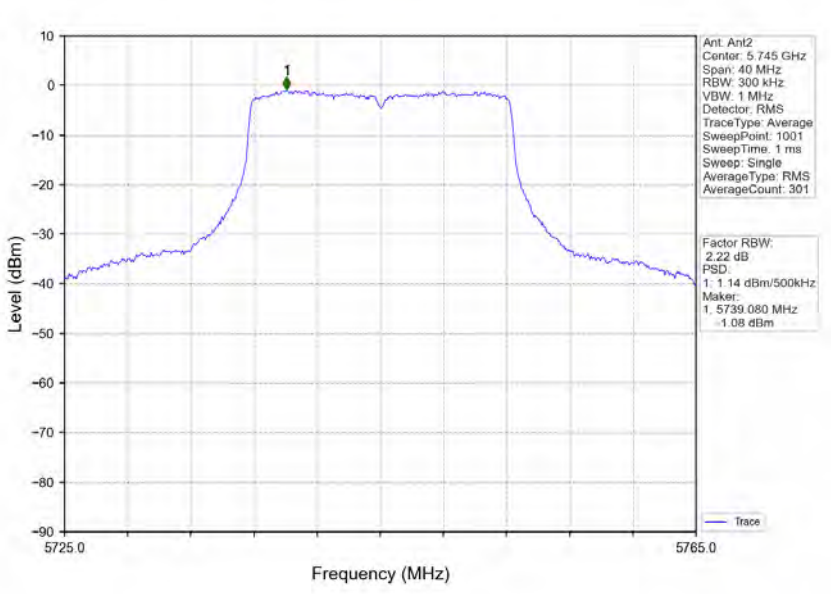
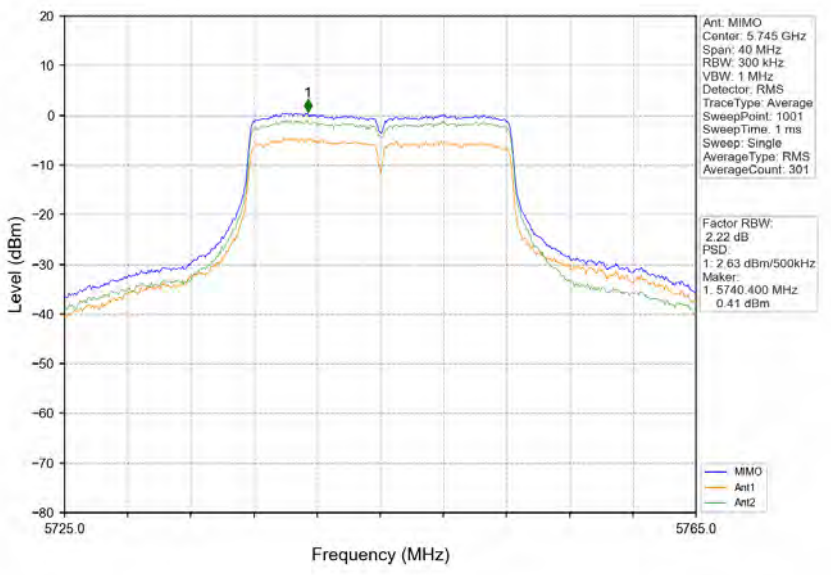
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV




802.11ac(VHT20)_LCH_5745MHz_MIMO_NTNV

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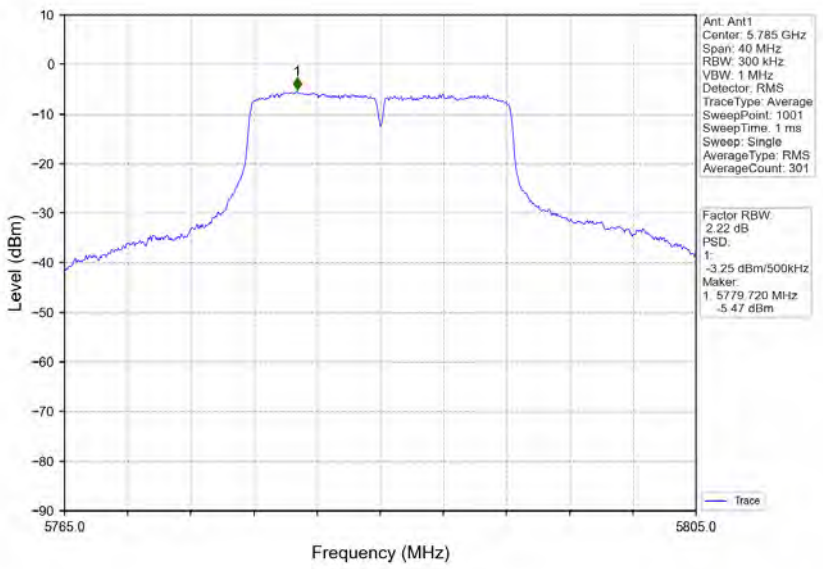
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

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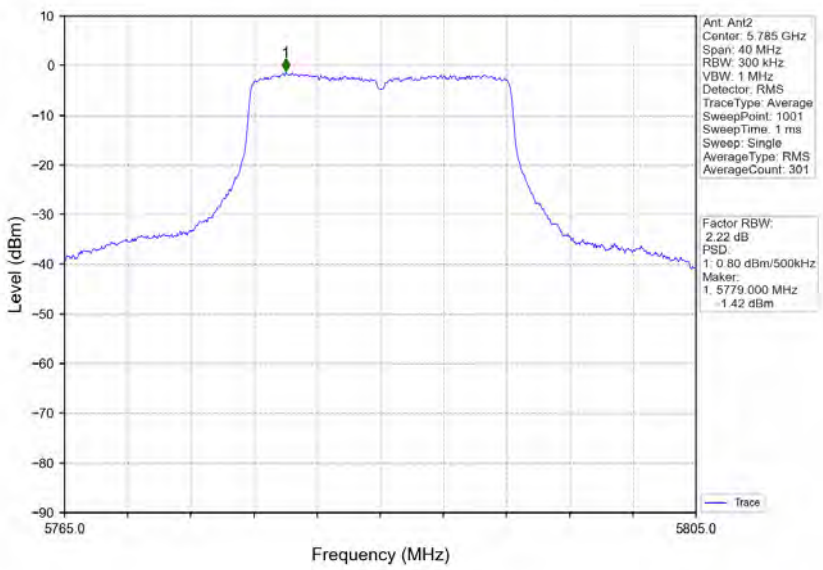


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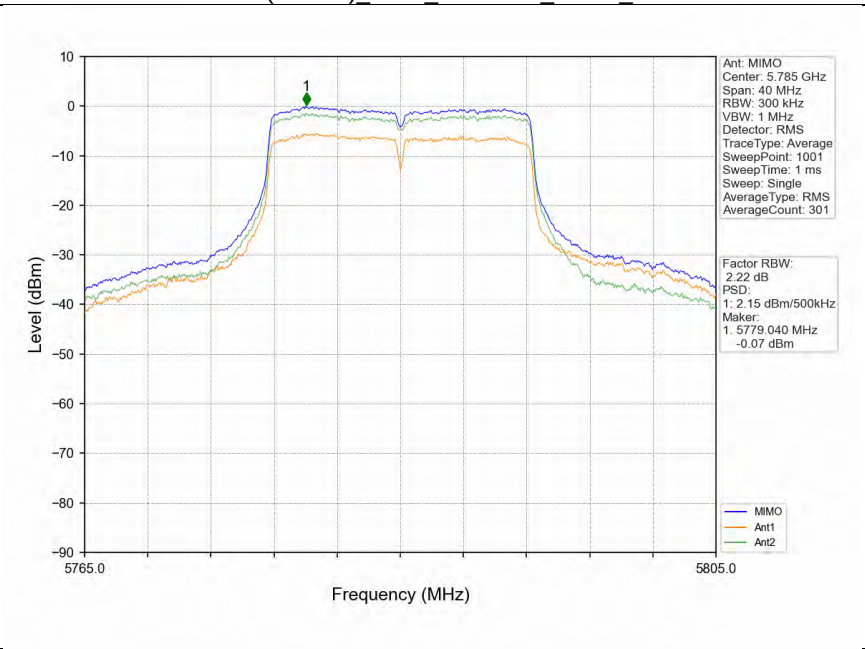
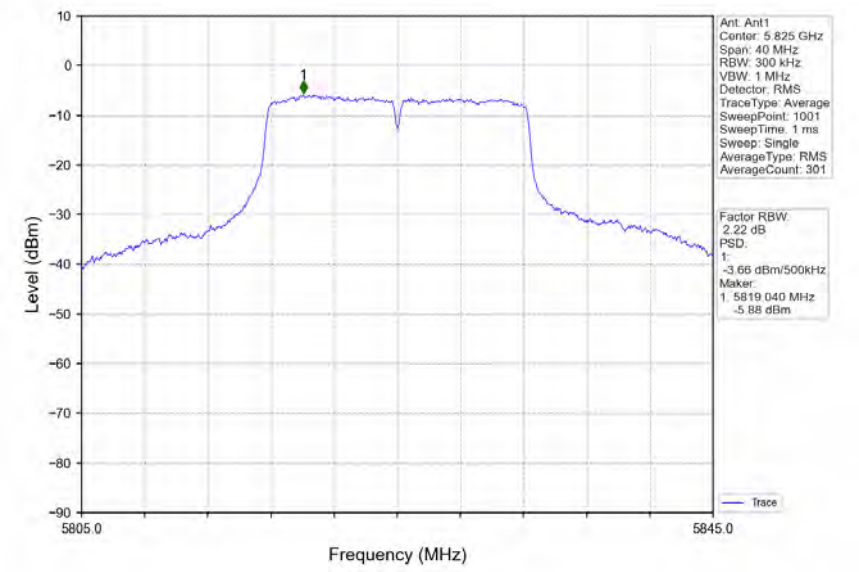
802.11ac(VHT20)_MCH_5785MHz_MIMO_NTNV




802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

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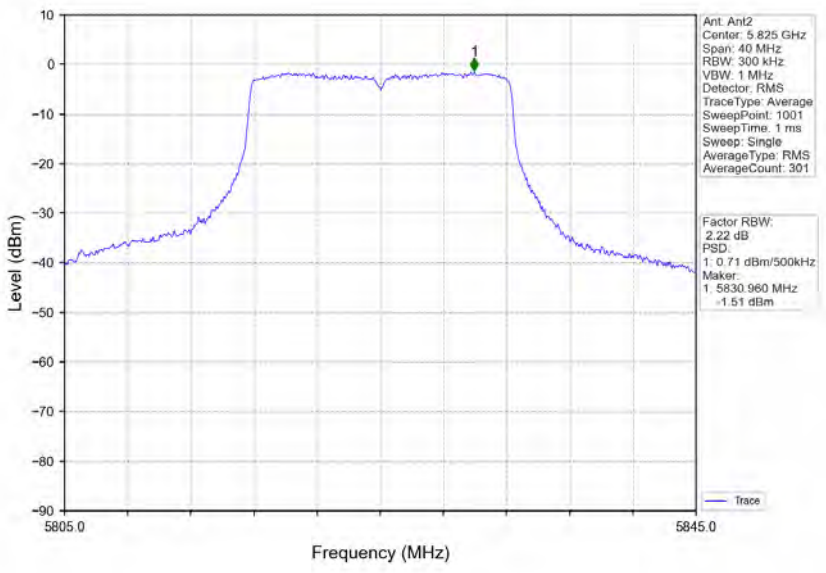
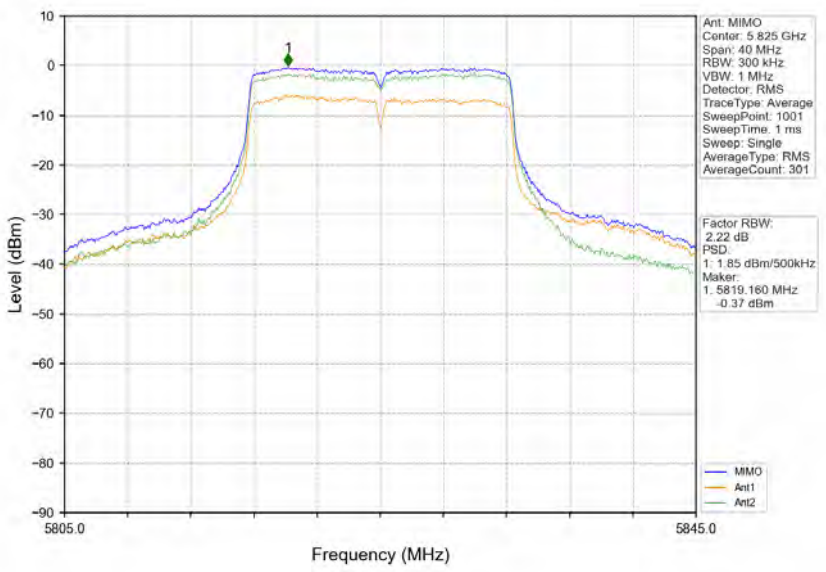
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV




802.11ac(VHT20)_HCH_5825MHz_MIMO_NTNV

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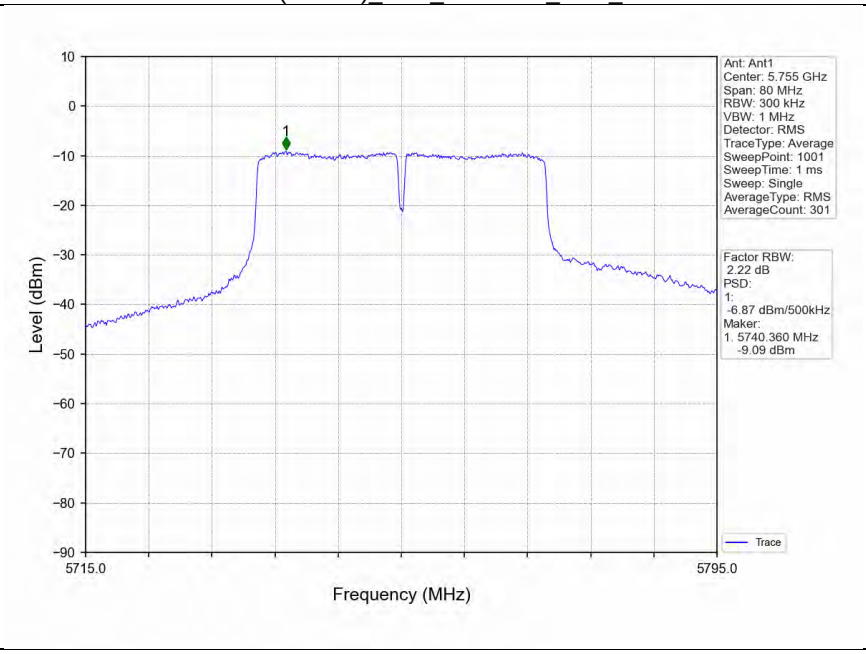
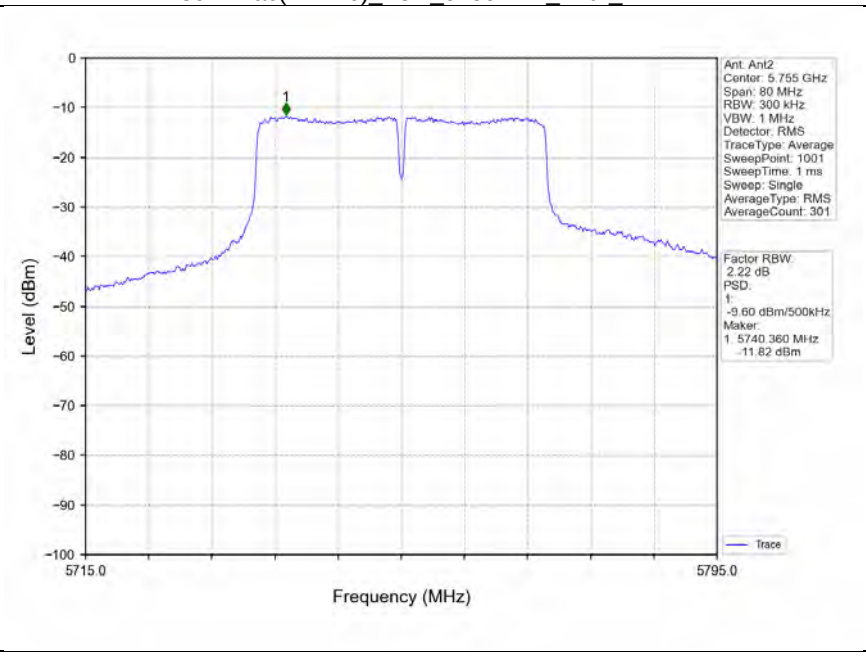
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV




802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV

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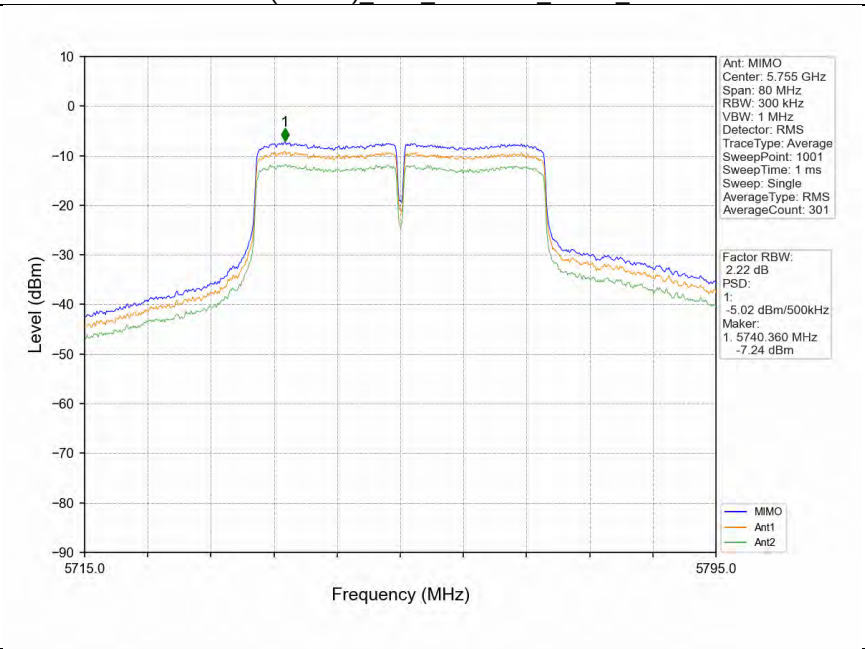
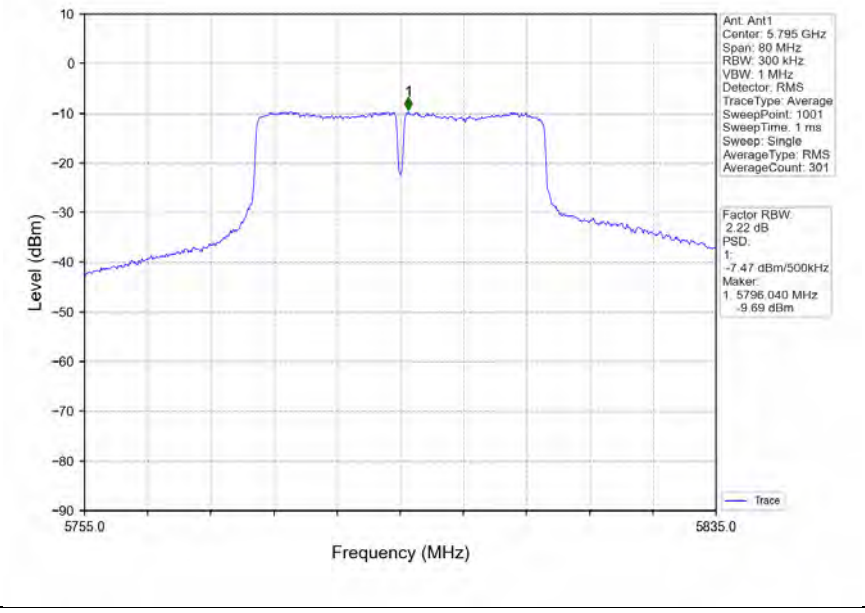
802.11ac(VHT40)_LCH_5755MHz_MIMO_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

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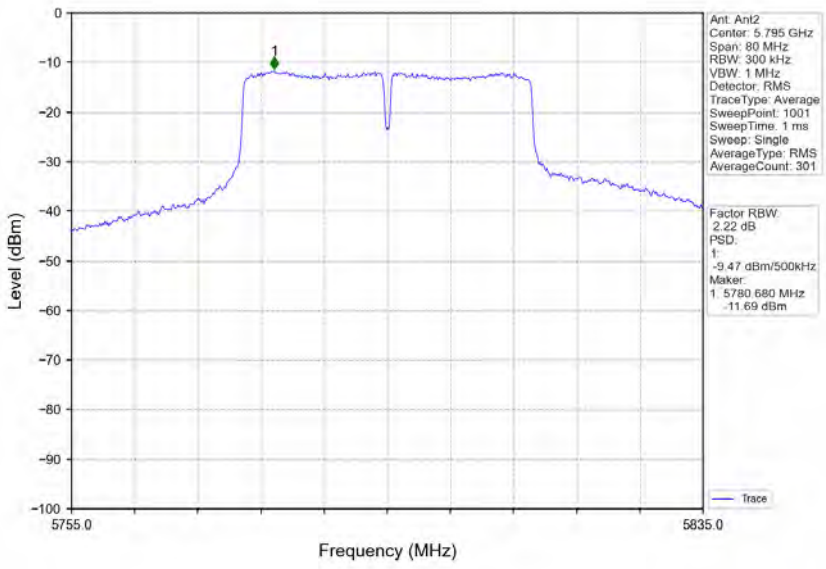
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

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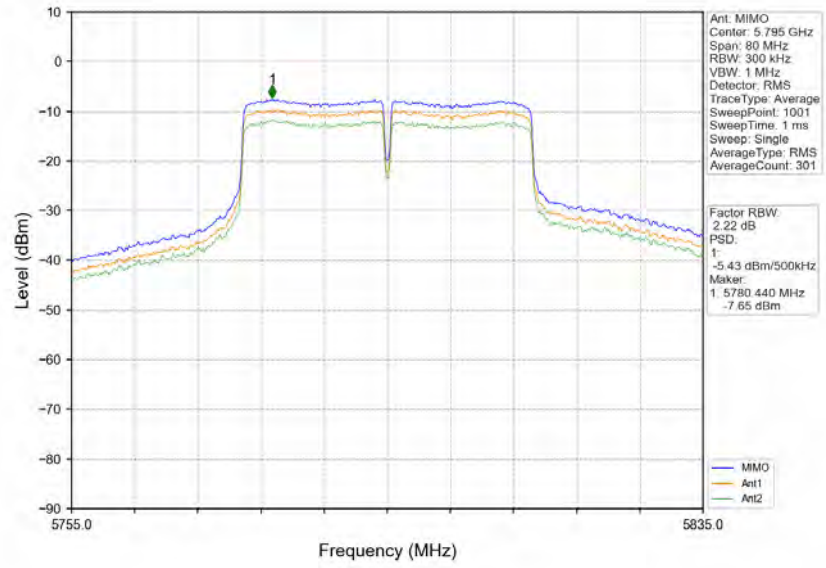


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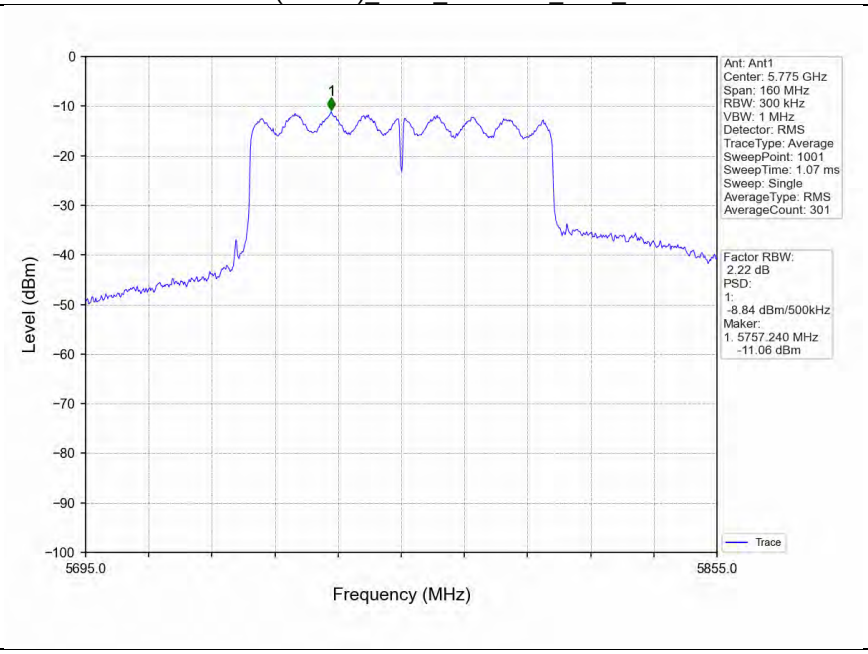
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

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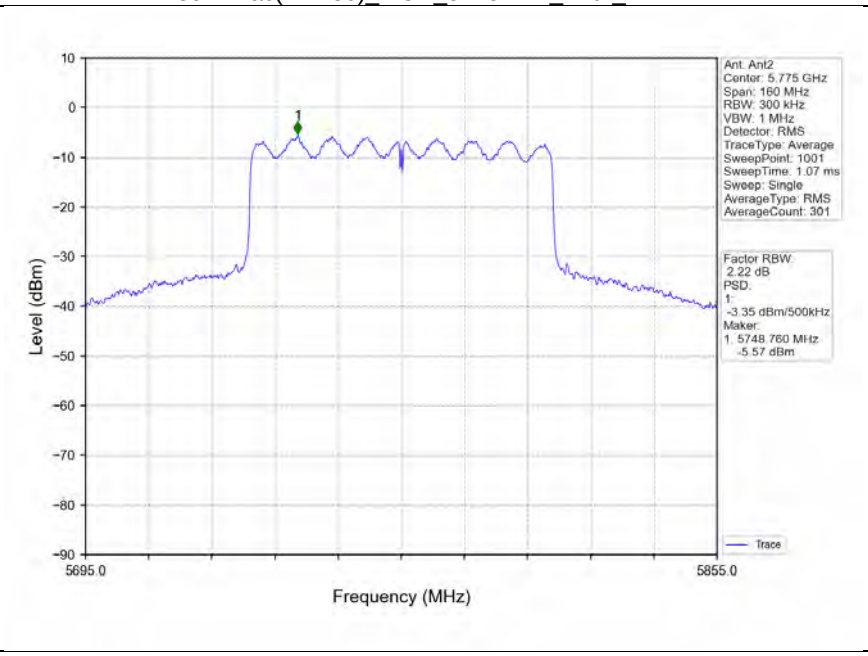


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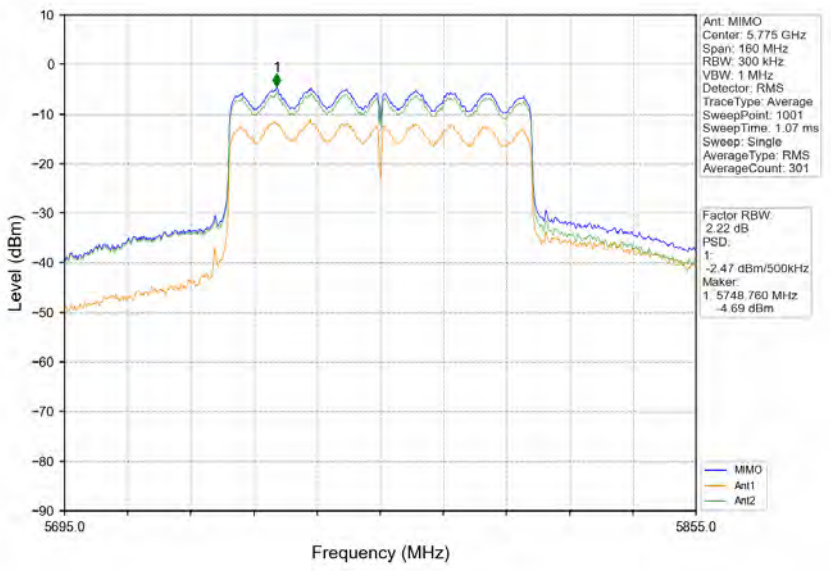
802.11ac(VHT80)_MCH_5775MHz_MIMO_NTNV

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# 5. Frequency Stability

## 5.1 Ant1

### 5.1.1 Test Result

| Ant1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mode | TX Type | Frequency (MHz) | Temperature (°C) | Voltage (VAC) | Measured Frequency (MHz) | Limit (MHz) | Verdict |
| 802.11a | SISO | 5745 | 20 | 102 | 5744.900 | 5725 to 5850 | Pass |
| | | | | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | | 138 | 5744.920 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5744.960 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5744.920 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5744.920 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5744.960 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5744.920 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5744.920 | 5725 to 5850 | Pass |
| | | 5785 | 20 | 102 | 5784.960 | 5725 to 5850 | Pass |
| | | | | 120 | 5784.940 | 5725 to 5850 | Pass |
| | | | | 138 | 5784.900 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5784.900 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5784.960 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5784.940 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5784.920 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5784.920 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5784.920 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5784.920 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5784.920 | 5725 to 5850 | Pass |
| | | 5825 | 20 | 102 | 5824.920 | 5725 to 5850 | Pass |
| | | | | 120 | 5824.940 | 5725 to 5850 | Pass |
| | | | | 138 | 5824.960 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5824.940 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5824.920 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5824.900 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5824.900 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5824.920 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5824.920 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5824.920 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5824.900 | 5725 to 5850 | Pass |
| 802.11n (HT20) | MIMO | 5745 | 20 | 102 | 5745.020 | 5725 to 5850 | Pass |
| | | | | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | | 138 | 5745.000 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5744.960 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5745.000 | 5725 to 5850 | Pass |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 30 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | 5785 | 20 | 102 | 5785.000 | 5725 to 5850 | Pass |
| | | | | 120 | 5785.060 | 5725 to 5850 | Pass |
| | | | | 138 | 5785.040 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5785.060 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5785.020 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5785.100 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5785.040 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5784.940 | 5725 to 5850 | Pass |
| | | 5825 | 20 | 102 | 5825.020 | 5725 to 5850 | Pass |
| | | | | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | 138 | 5824.980 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5824.920 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5825.060 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5825.060 | 5725 to 5850 | Pass |
| 802.11n (HT40) | MIMO | 5755 | 20 | 102 | 5755.000 | 5725 to 5850 | Pass |
| | | | | 120 | 5754.960 | 5725 to 5850 | Pass |
| | | | | 138 | 5754.960 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5754.960 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5755.080 | 5725 to 5850 | Pass |
| | | 5795 | 20 | 102 | 5795.080 | 5725 to 5850 | Pass |
| | | | | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | | 138 | 5795.000 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5794.960 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5795.000 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5794.960 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5794.920 | 5725 to 5850 | Pass |
| 802.11ac (VHT20) | MIMO | 5745 | 20 | 102 | 5744.980 | 5725 to 5850 | Pass |
| | | | | 120 | 5744.960 | 5725 to 5850 | Pass |
| | | | | 138 | 5744.980 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5745.000 | 5725 to 5850 | Pass |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | -10 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5745.060 | 5725 to 5850 | Pass |
| | | 5785 | 20 | 102 | 5785.000 | 5725 to 5850 | Pass |
| | | | | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | | 138 | 5785.000 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5784.960 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5785.020 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5784.980 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5785.040 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5784.960 | 5725 to 5850 | Pass |
| | | 5825 | 20 | 102 | 5825.000 | 5725 to 5850 | Pass |
| | | | | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | 138 | 5825.040 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5825.060 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5824.960 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5824.980 | 5725 to 5850 | Pass |
| 802.11ac (VHT40) | MIMO | 5755 | 20 | 102 | 5755.040 | 5725 to 5850 | Pass |
| | | | | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | 138 | 5755.080 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5755.120 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5755.080 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5755.120 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | 5795 | 20 | 102 | 5795.000 | 5725 to 5850 | Pass |
| | | | | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | | 138 | 5795.080 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5795.080 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5795.080 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5795.000 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5795.040 | 5725 to 5850 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | 20 | 102 | 5775.000 | 5725 to 5850 | Pass |
| | | | | 120 | 5775.000 | 5725 to 5850 | Pass |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | 138 | 5775.000 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5775.075 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5775.075 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5775.000 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5775.000 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5775.000 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5775.075 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5775.000 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5775.000 | 5725 to 5850 | Pass |

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