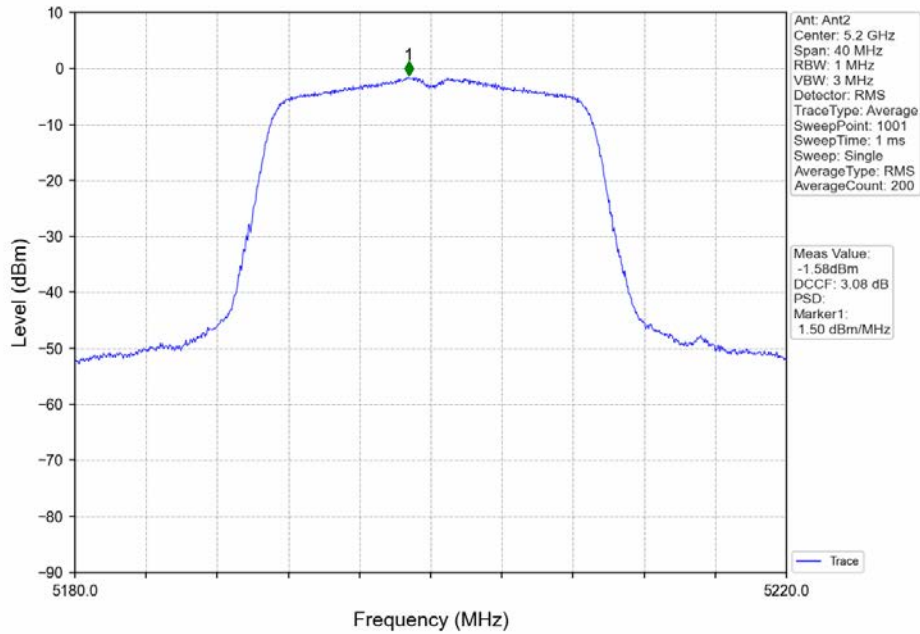
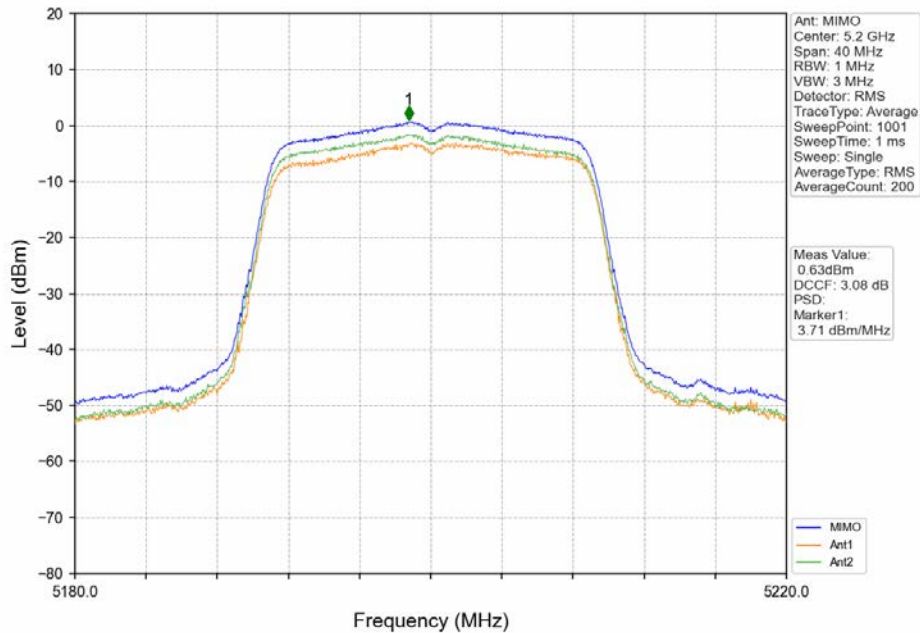


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

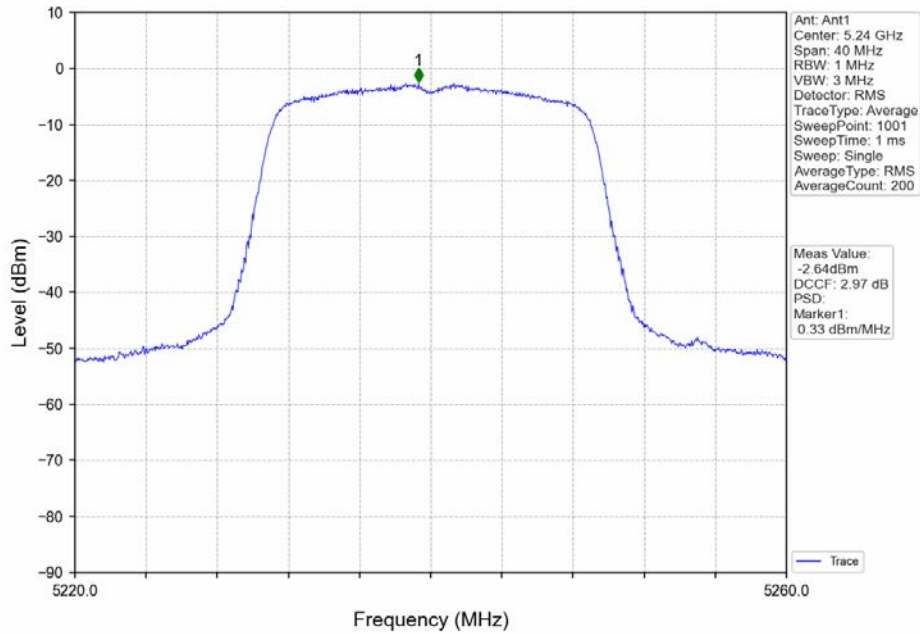


802.11ac(VHT20)_MCH_5200MHz_MIMO_NTNV

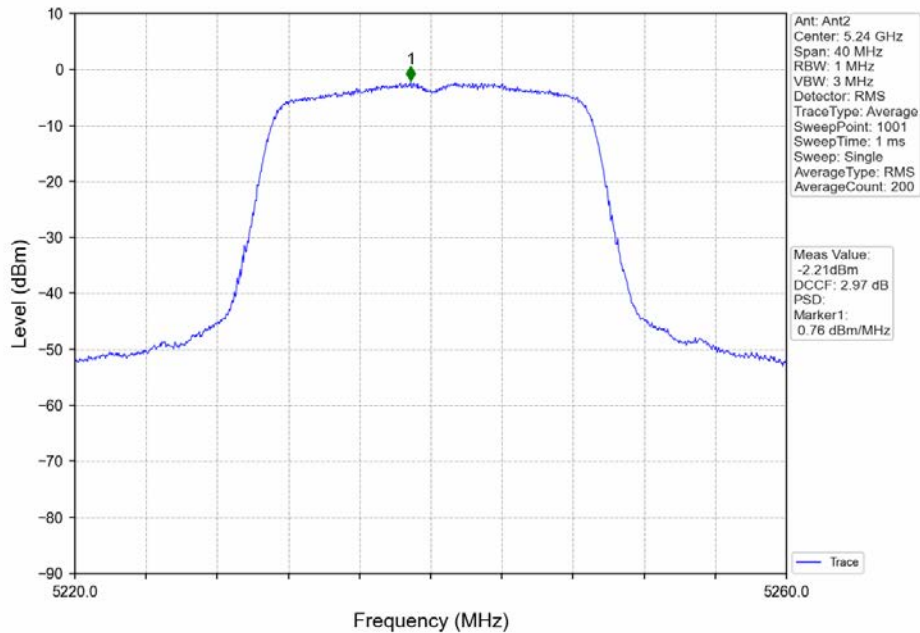


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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



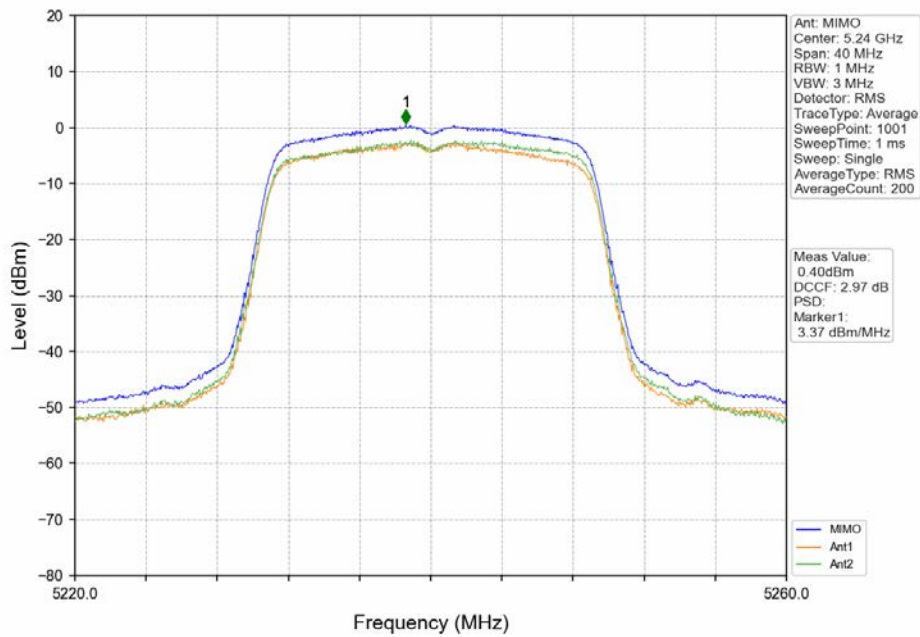
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



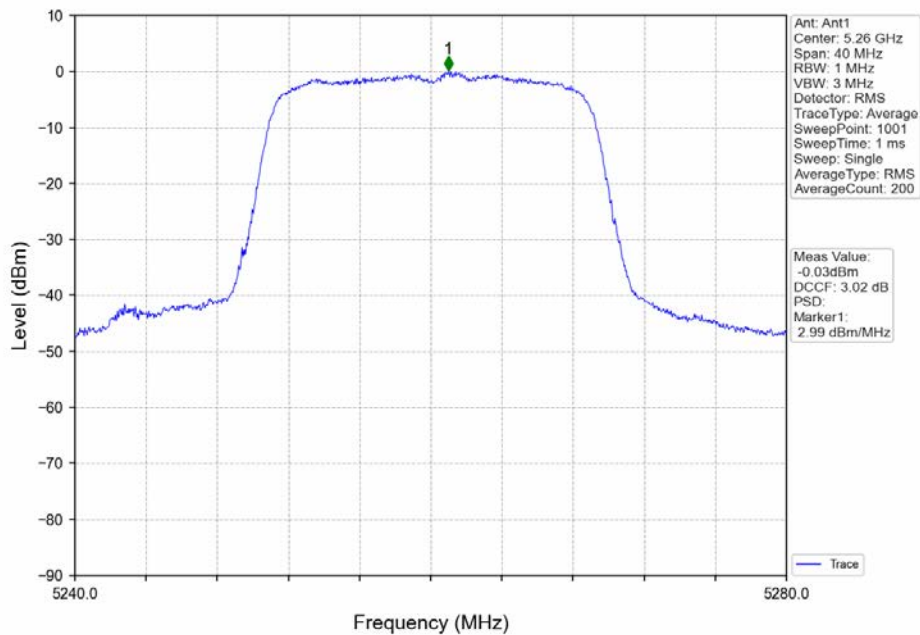
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802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV

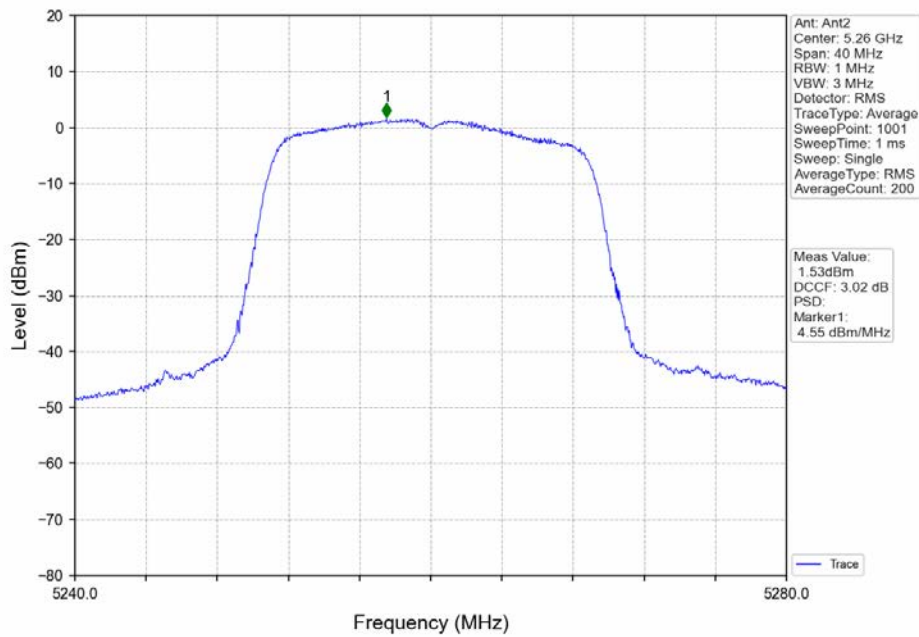


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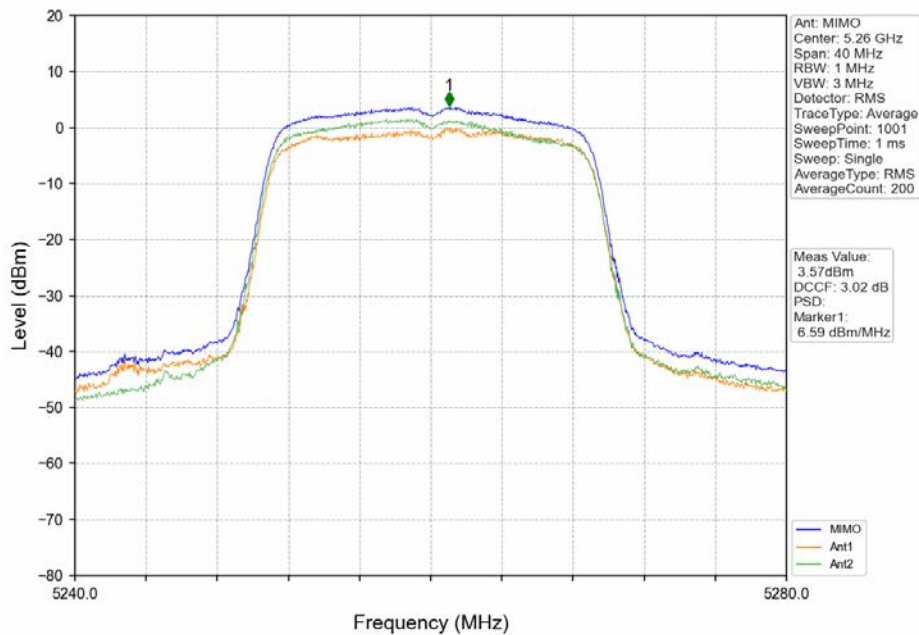
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802.11ac(VHT20)_LCH_5260MHz_Ant2_NTNV



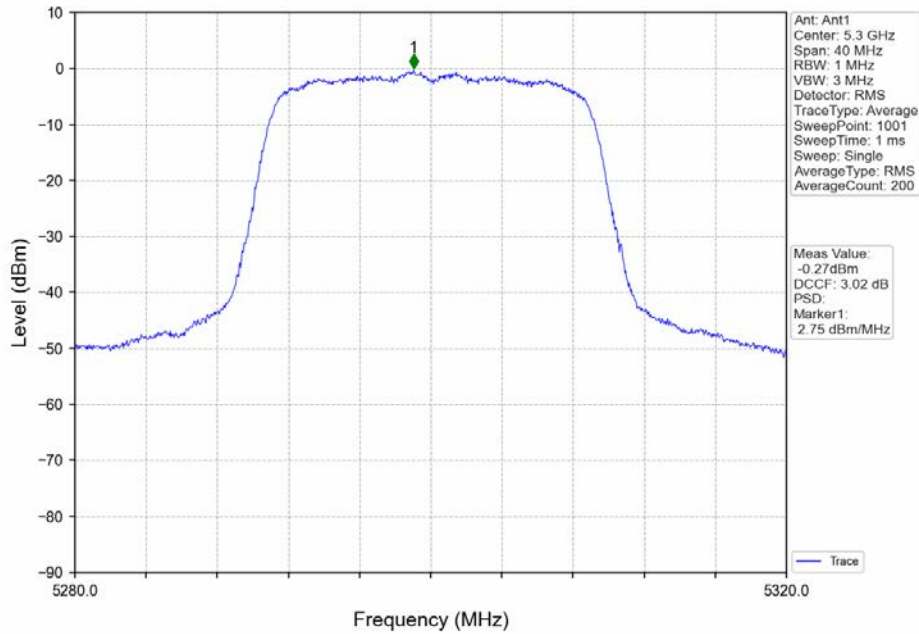
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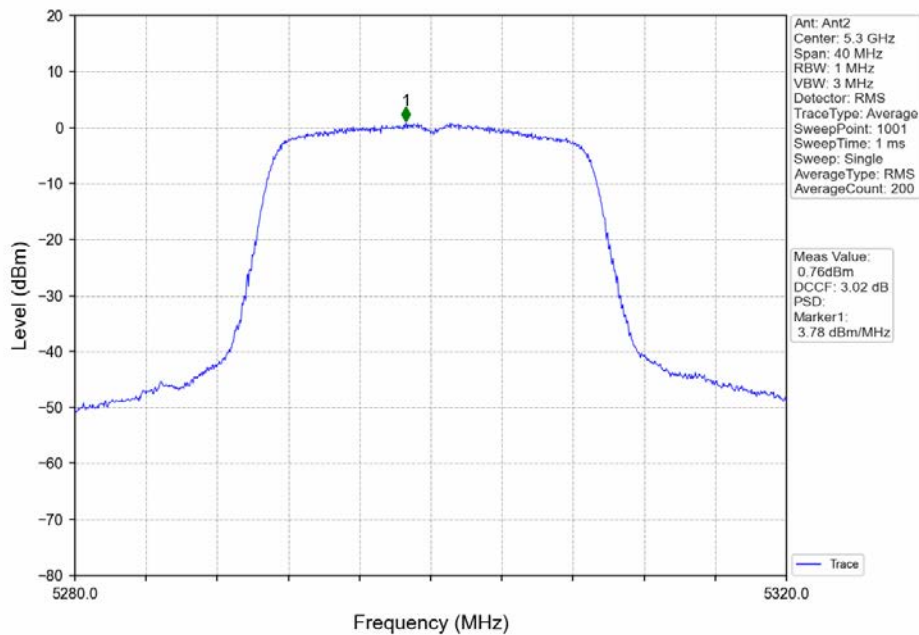
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802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



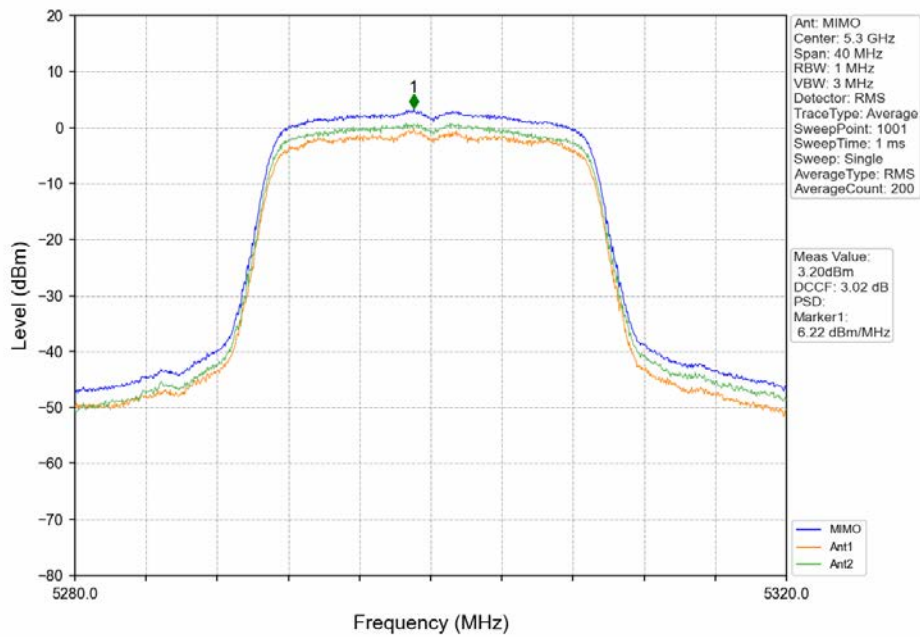
802.11ac(VHT20)_MCH_5300MHz_Ant2_NTNV



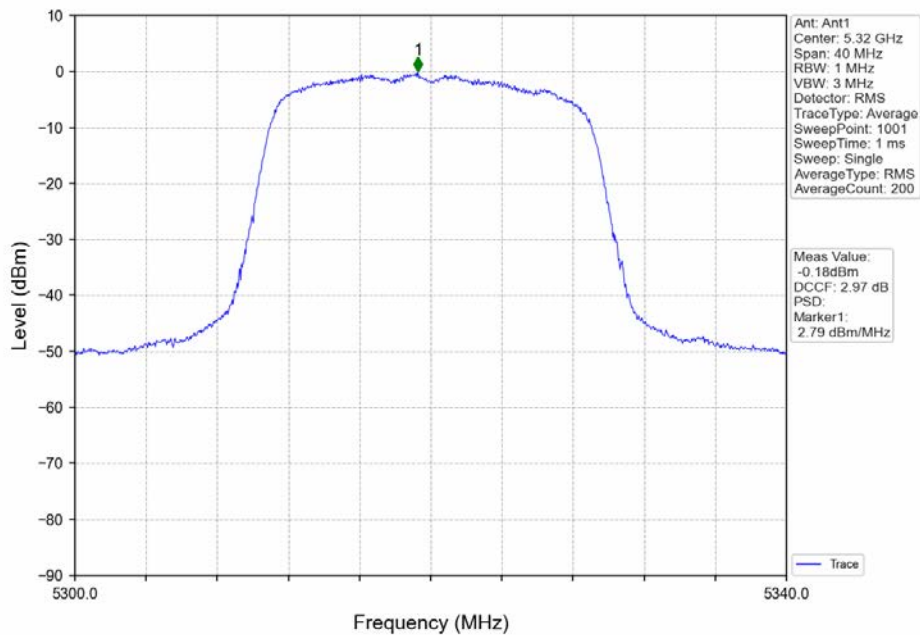
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802.11ac(VHT20)_MCH_5300MHz_MIMO_NTNV



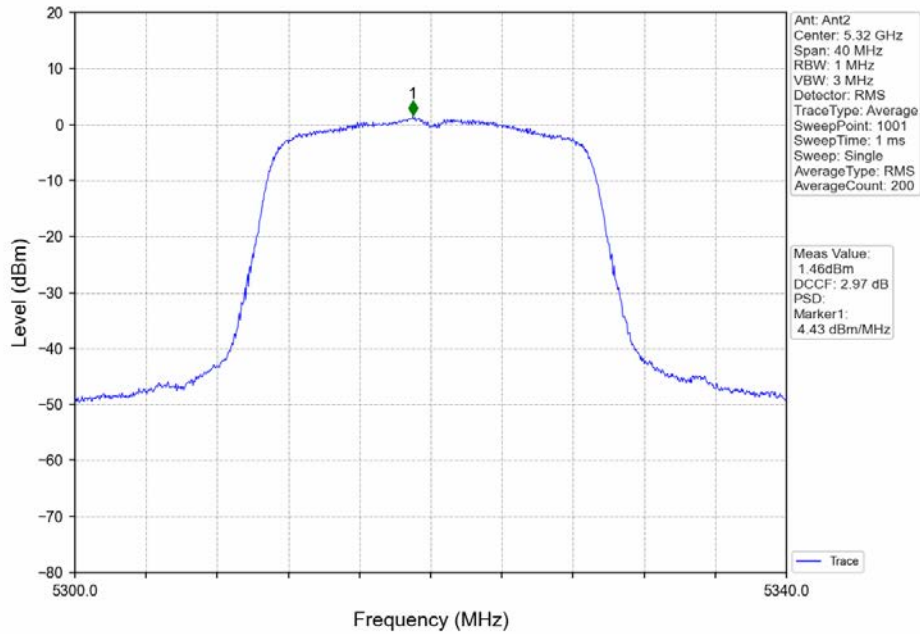
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



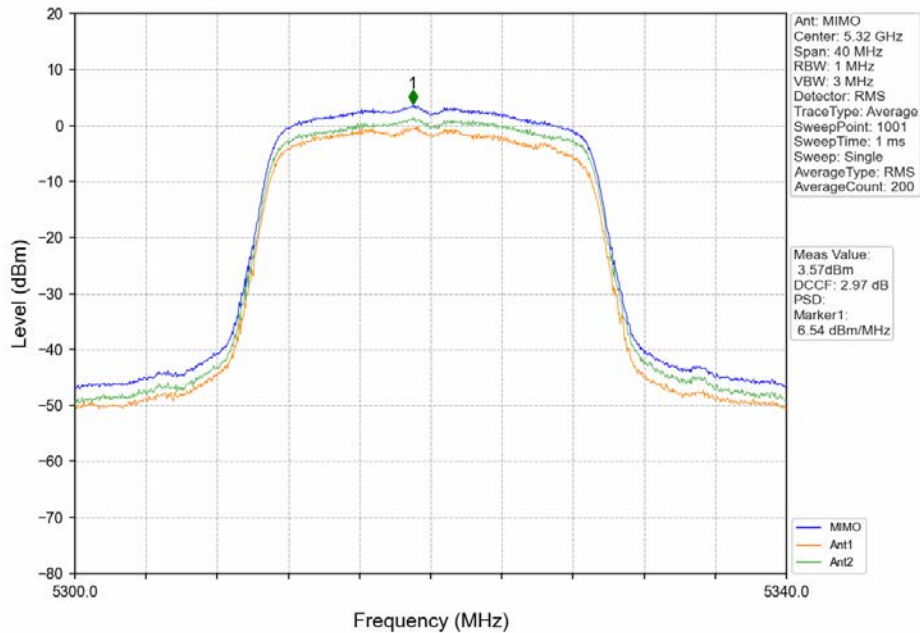
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802.11ac(VHT20)_HCH_5320MHz_Ant2_NTNV

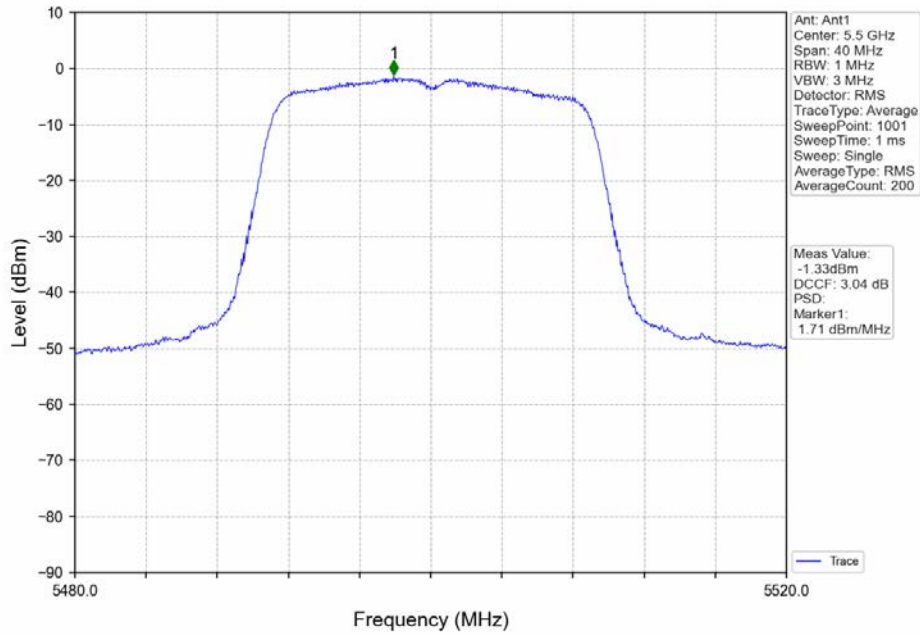


802.11ac(VHT20)_HCH_5320MHz_MIMO_NTNV

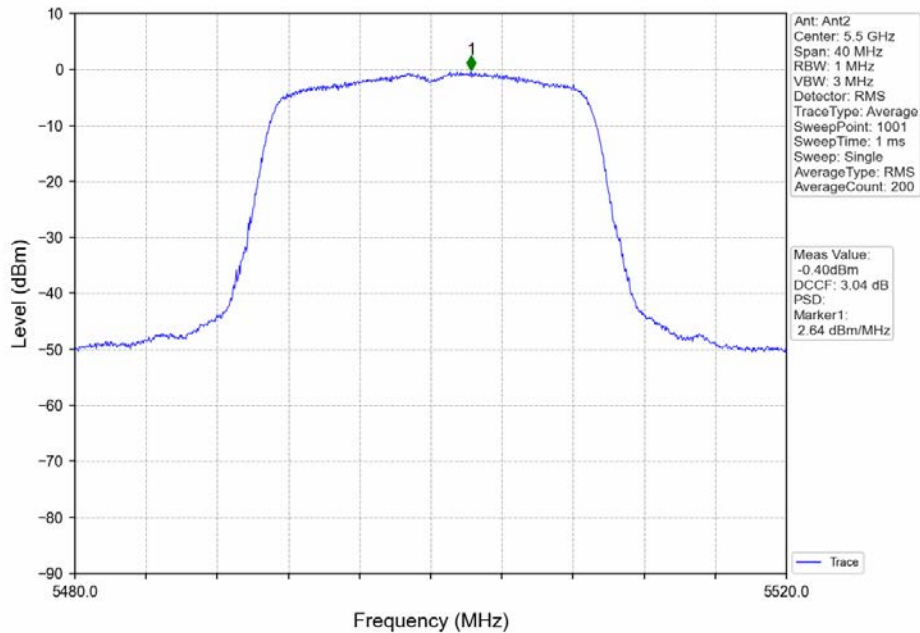


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802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV

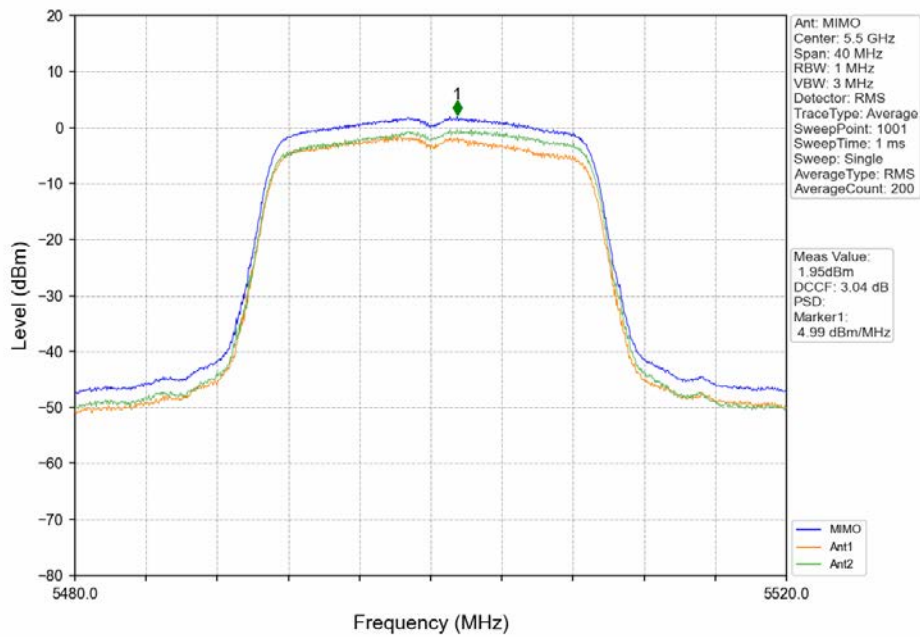


802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV

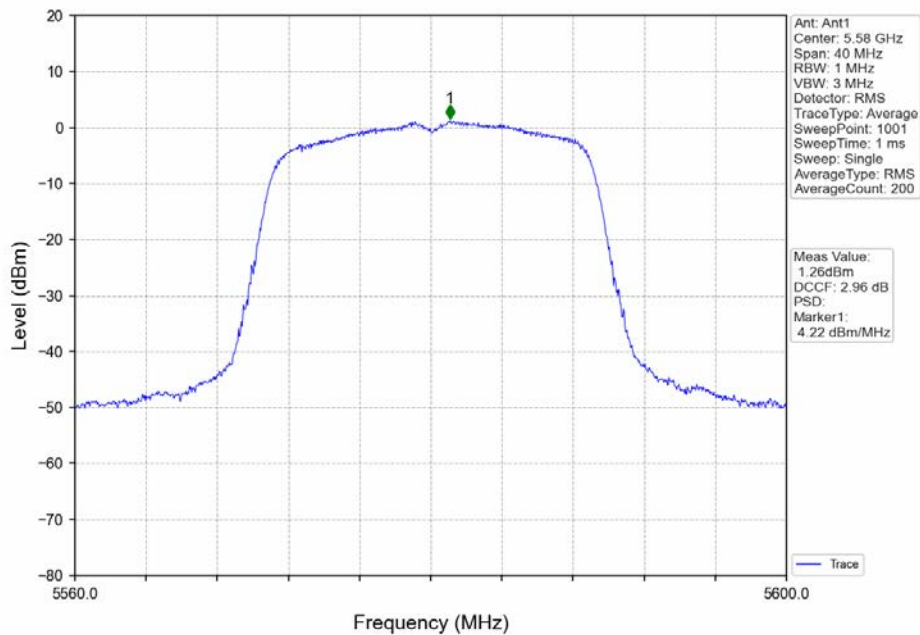


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802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV

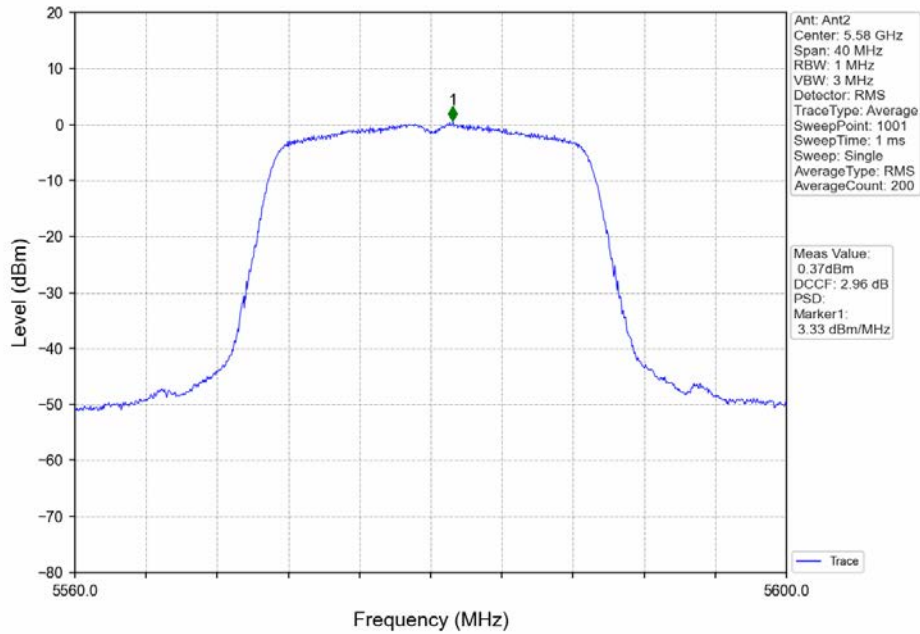


802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

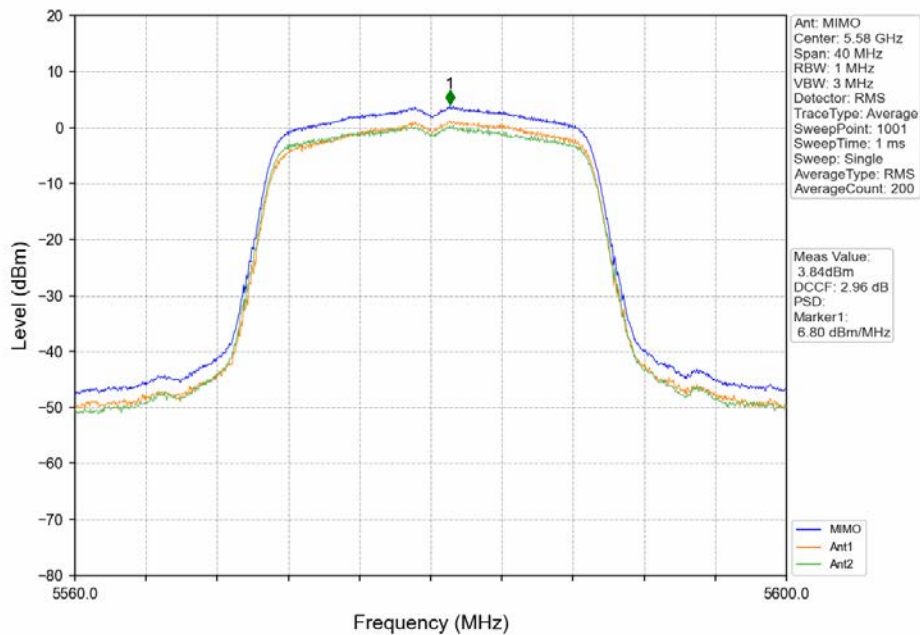


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802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV

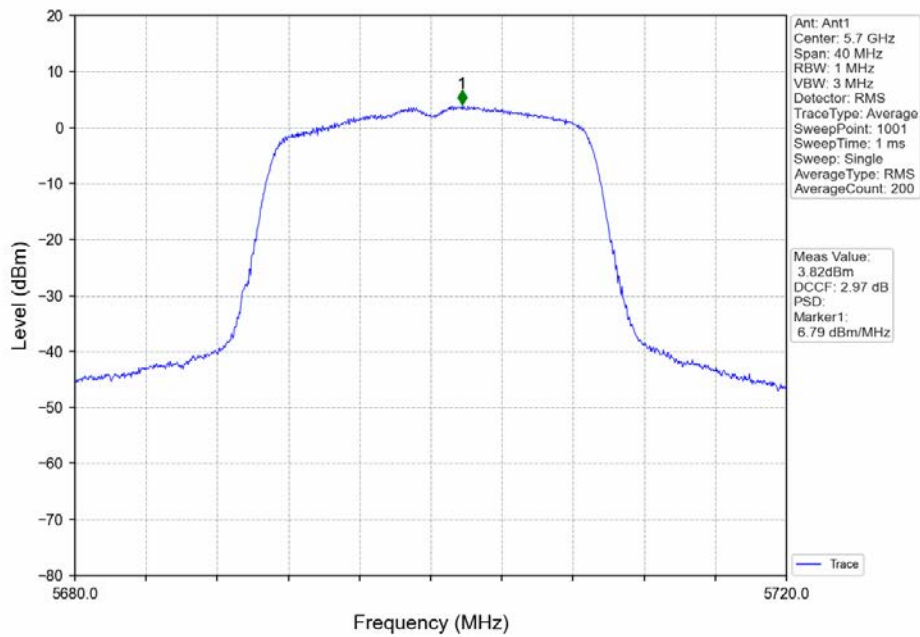


802.11ac(VHT20)_MCH_5580MHz_MIMO_NTNV

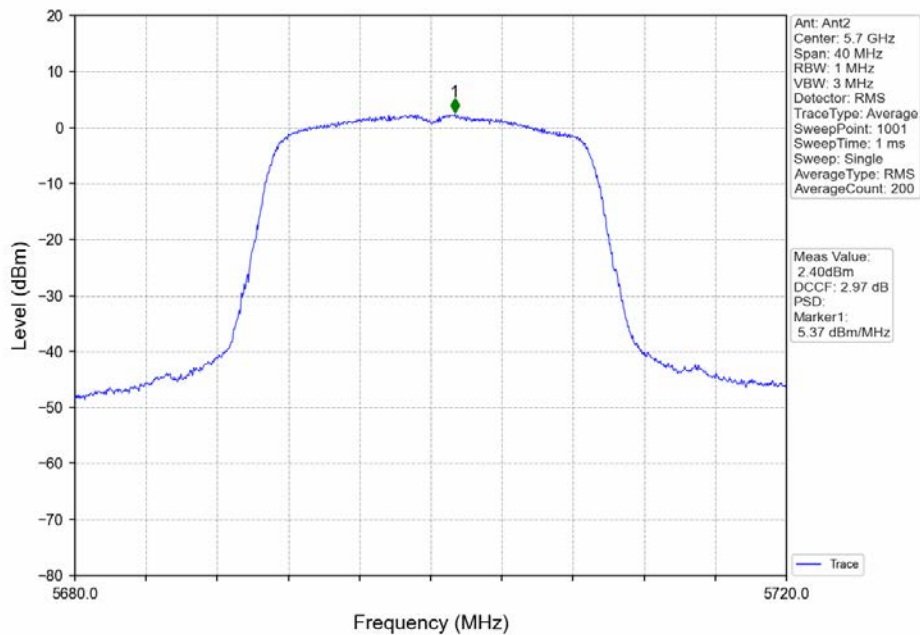


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802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

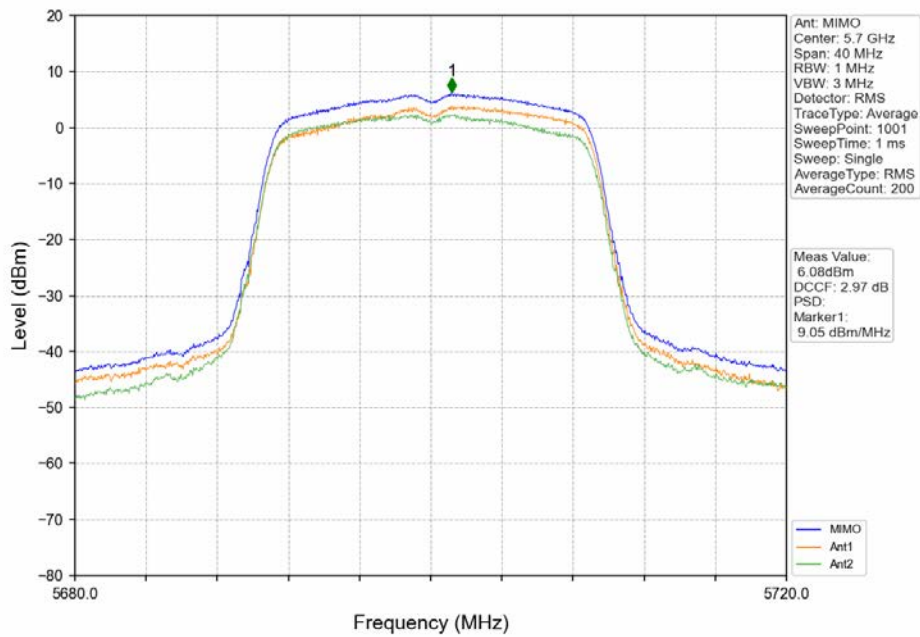


802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV

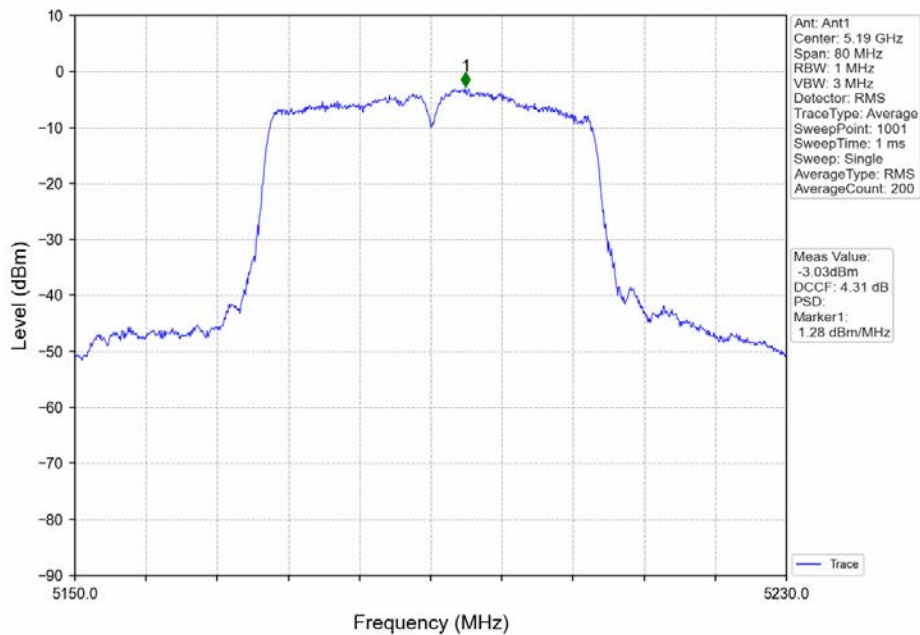


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802.11ac(VHT20)_HCH_5700MHz_MIMO_NTNV



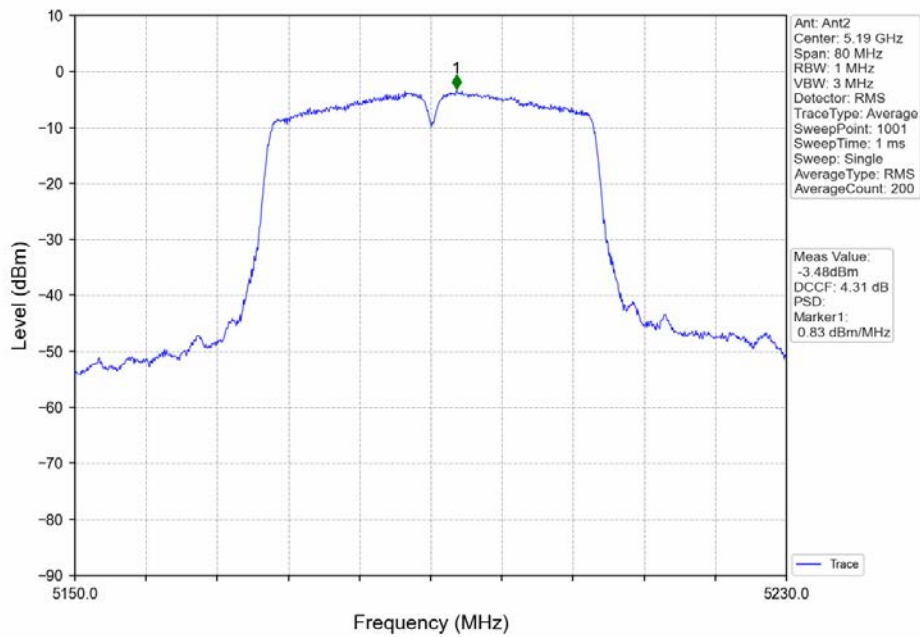
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



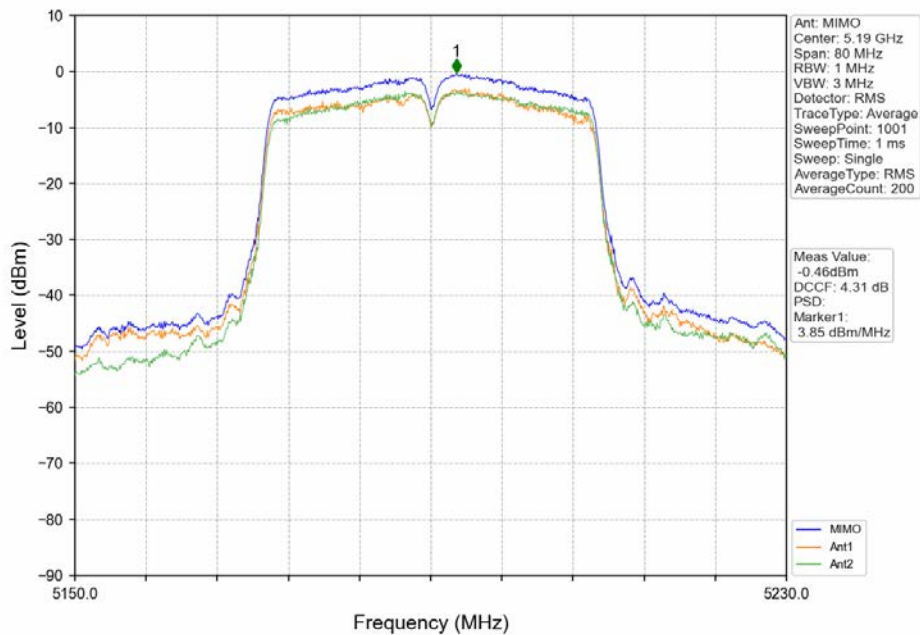
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802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



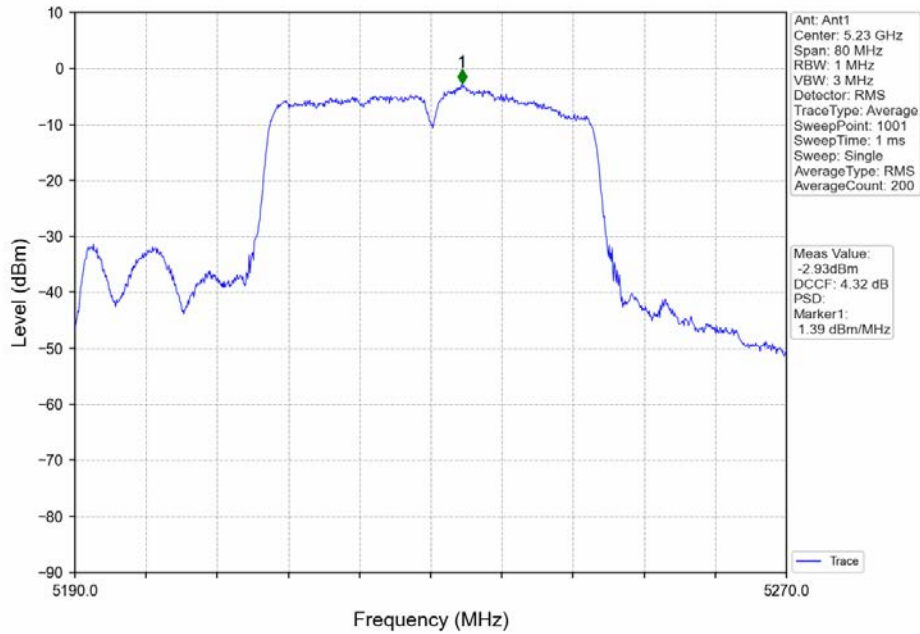
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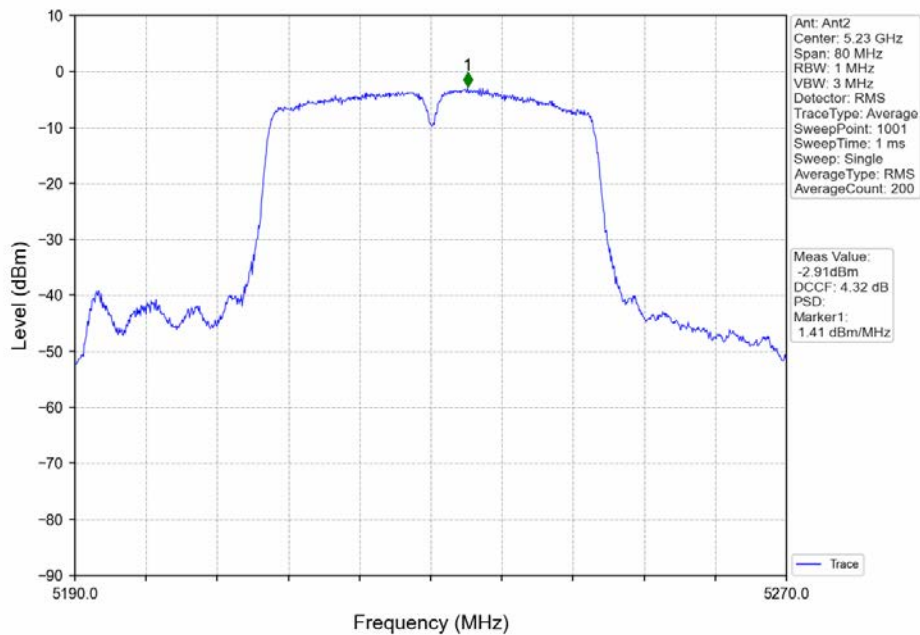
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



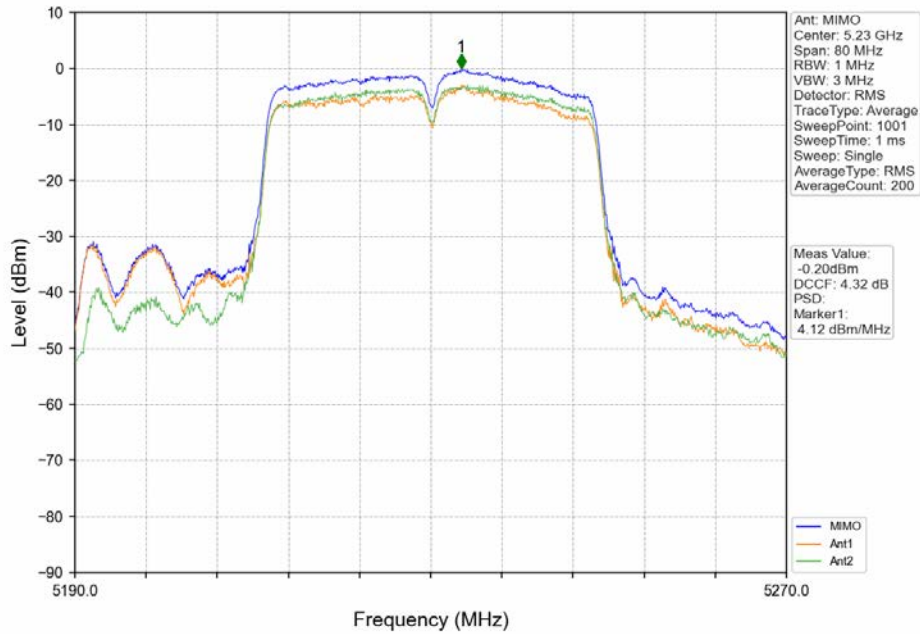
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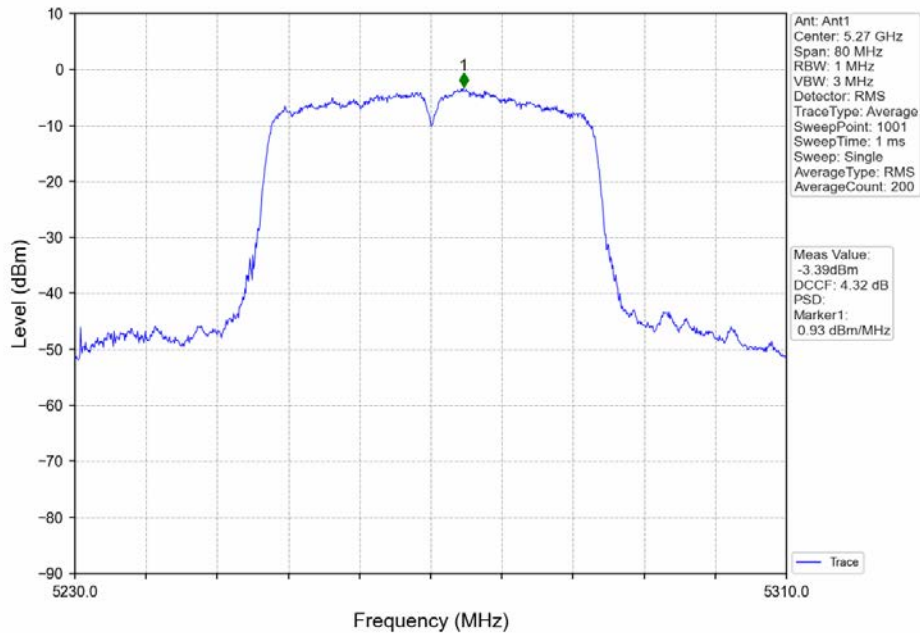
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802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



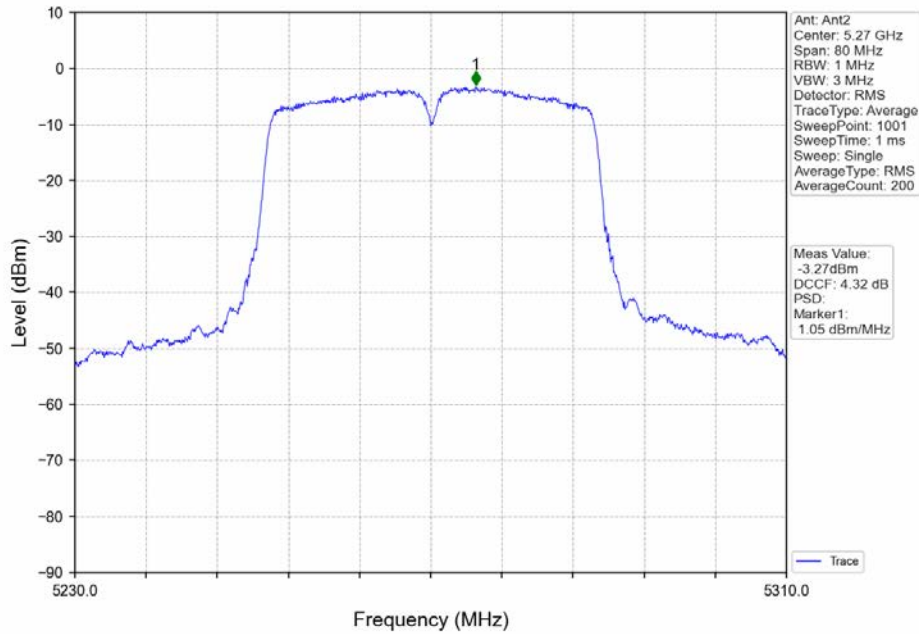
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



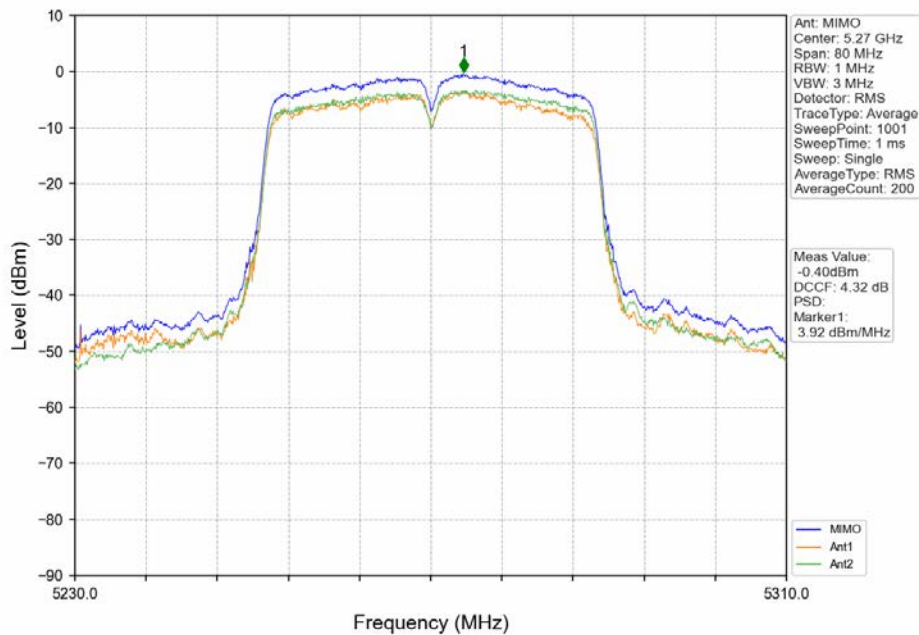
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802.11ac(VHT40)_LCH_5270MHz_Ant2_NTNV

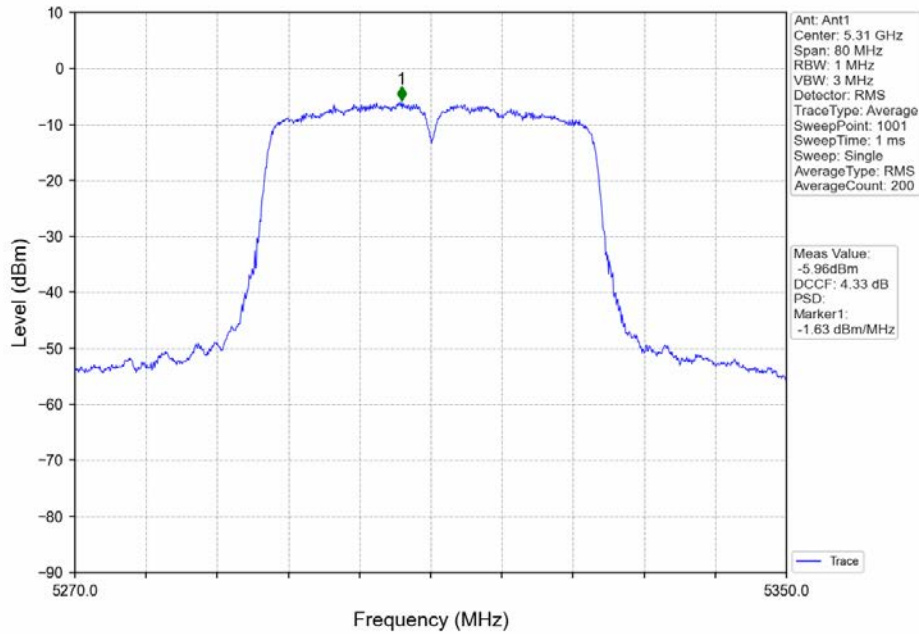


802.11ac(VHT40)_LCH_5270MHz_MIMO_NTNV

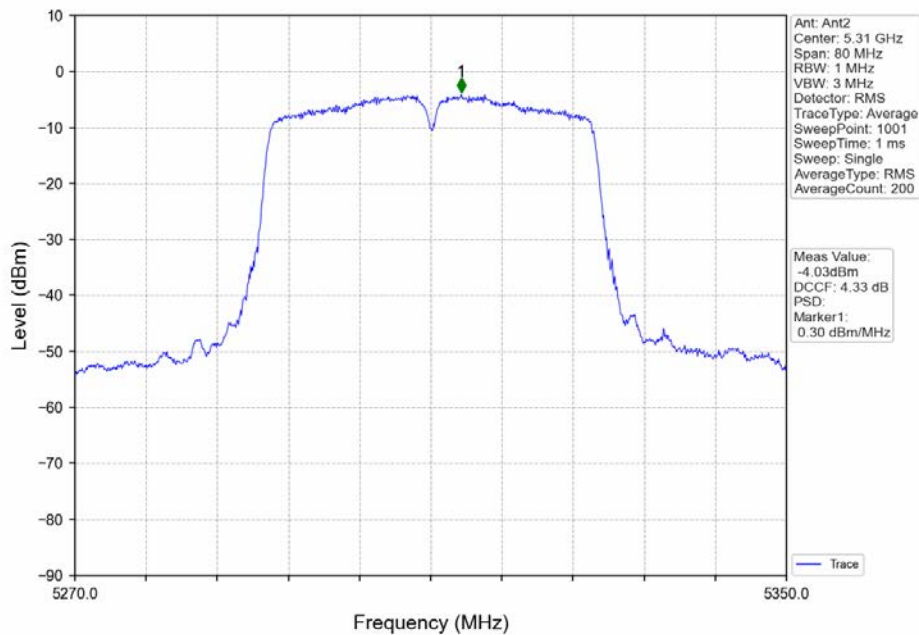


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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



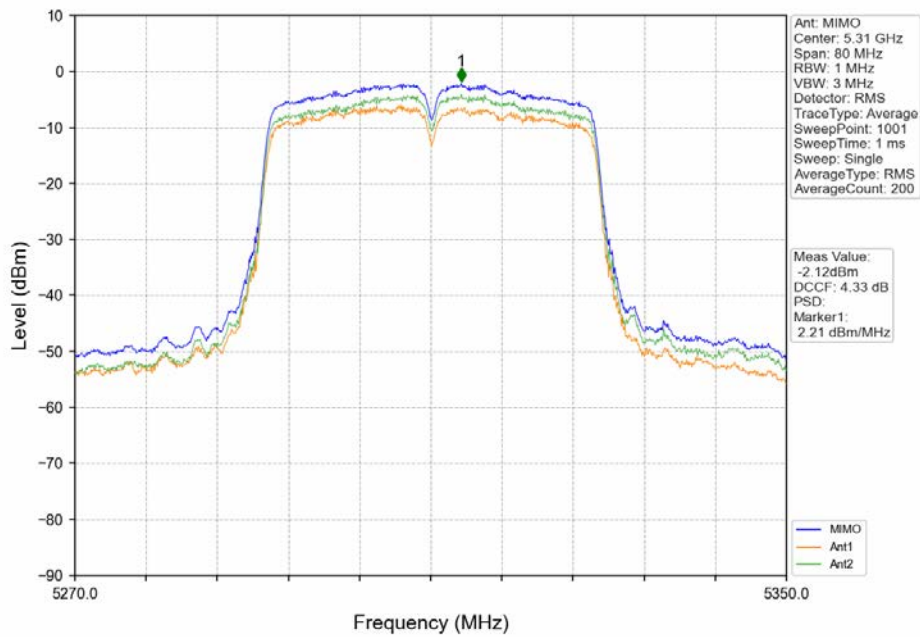
802.11ac(VHT40)_HCH_5310MHz_Ant2_NTNV



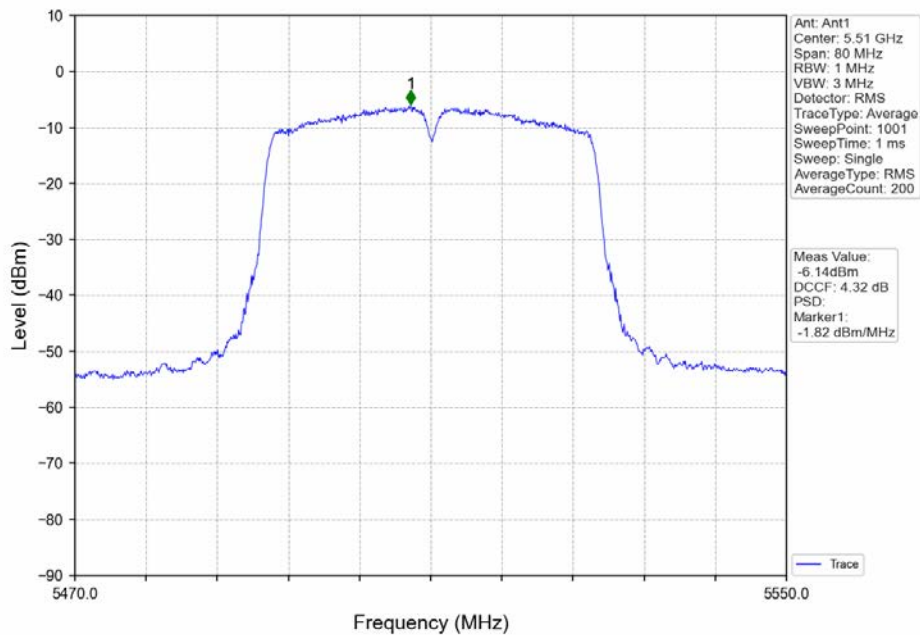
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802.11ac(VHT40)_HCH_5310MHz_MIMO_NTNV

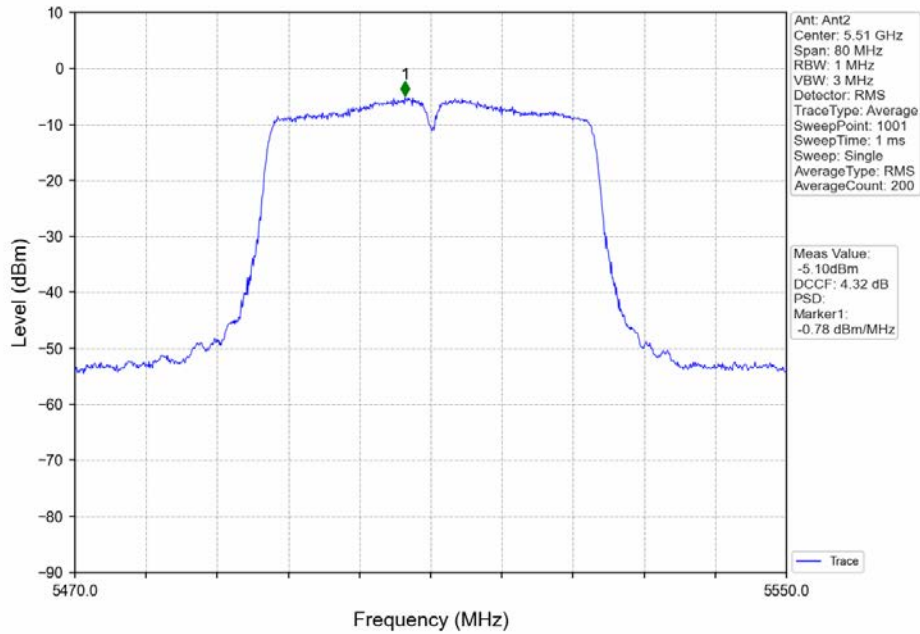


802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

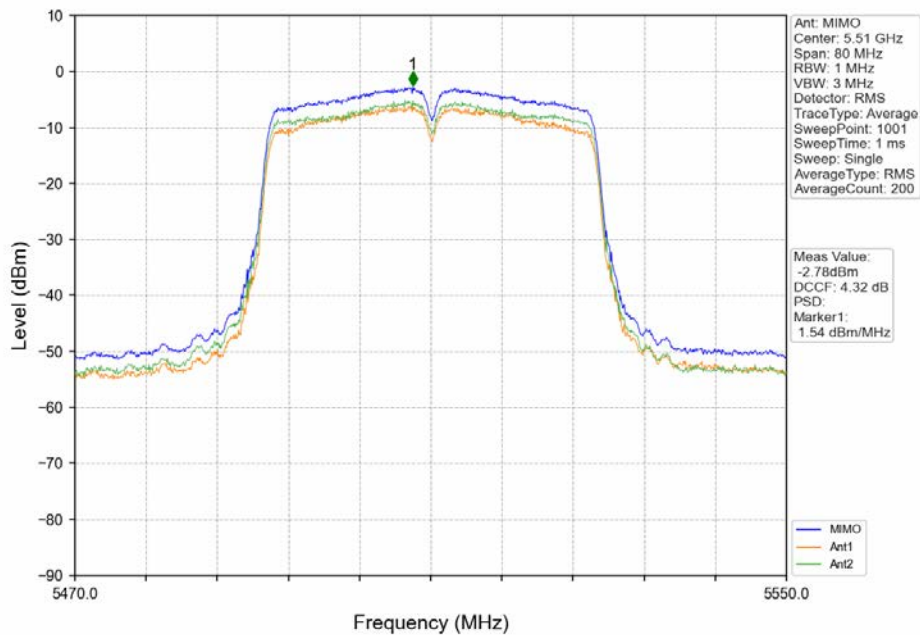


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802.11ac(VHT40)_LCH_5510MHz_Ant2_NTNV



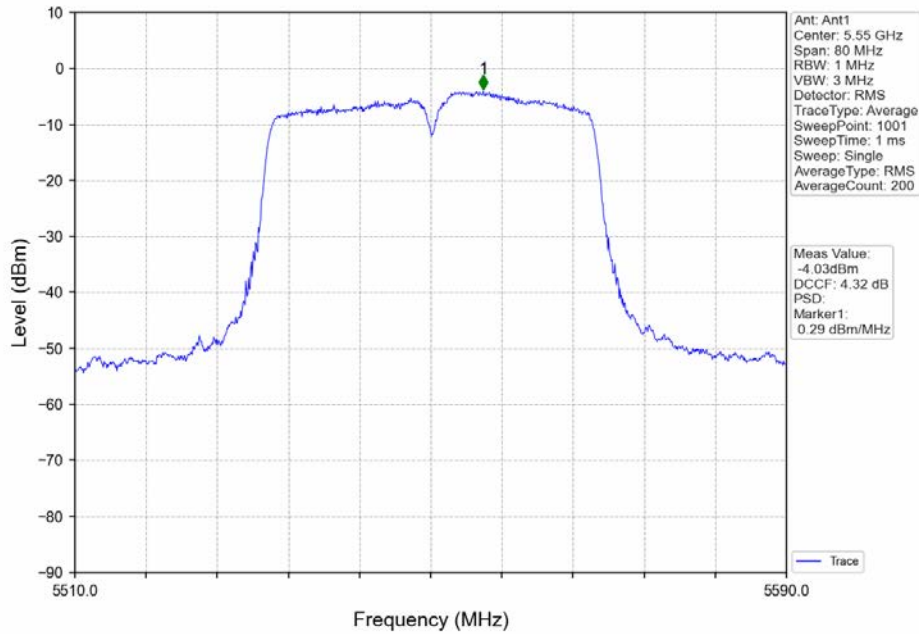
802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV



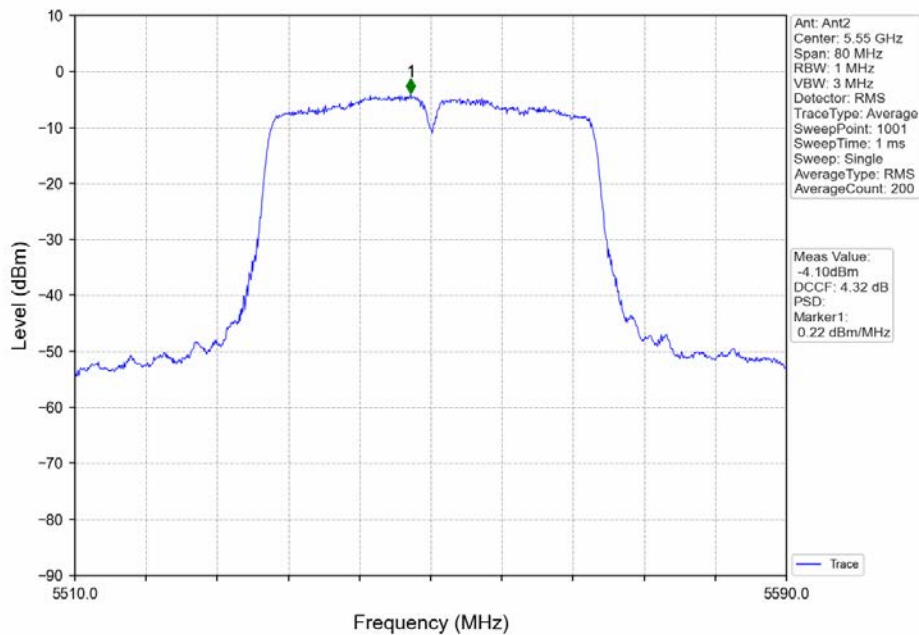
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802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

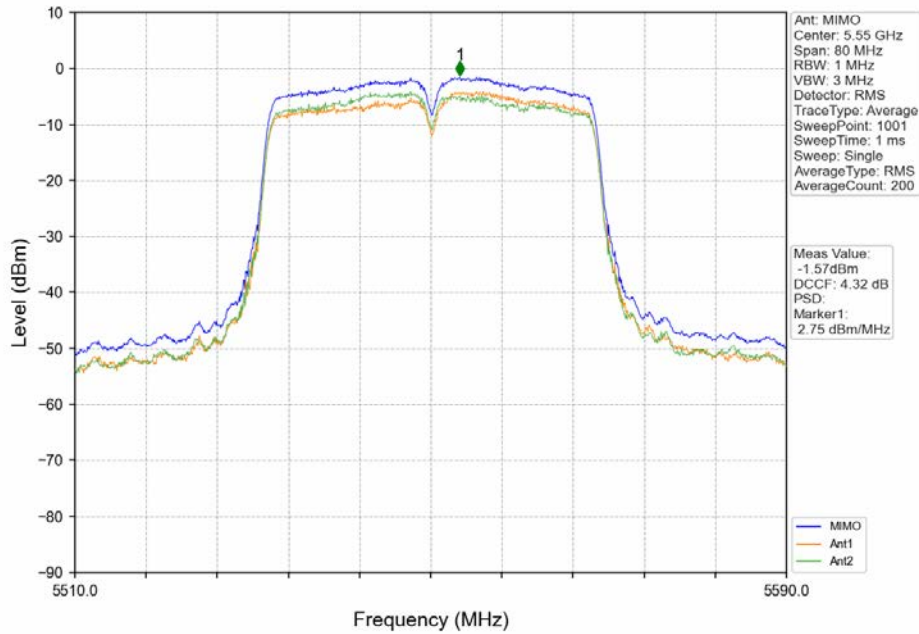


802.11ac(VHT40)_MCH_5550MHz_Ant2_NTNV

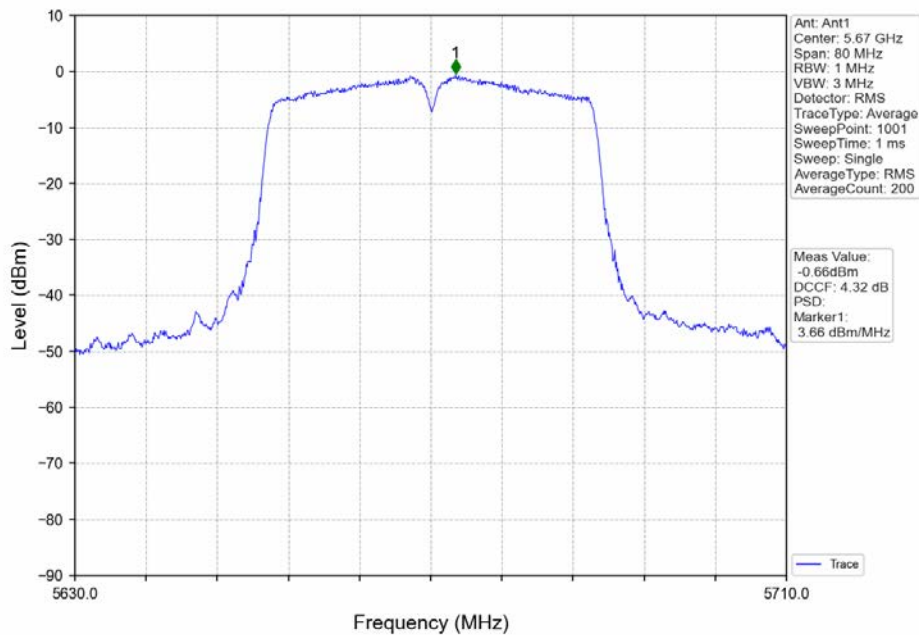


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802.11ac(VHT40)_MCH_5550MHz_MIMO_NTNV



802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

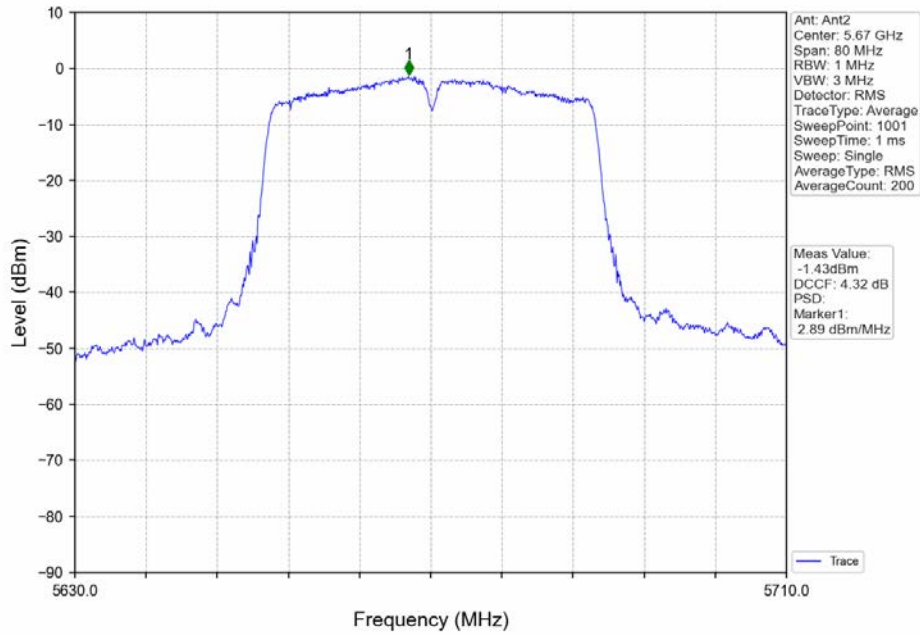


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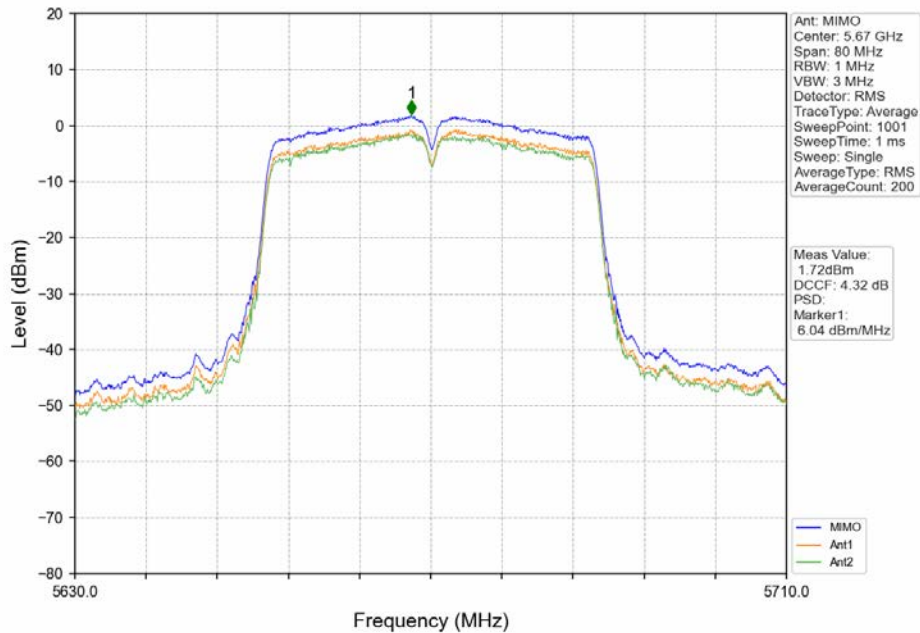
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802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV



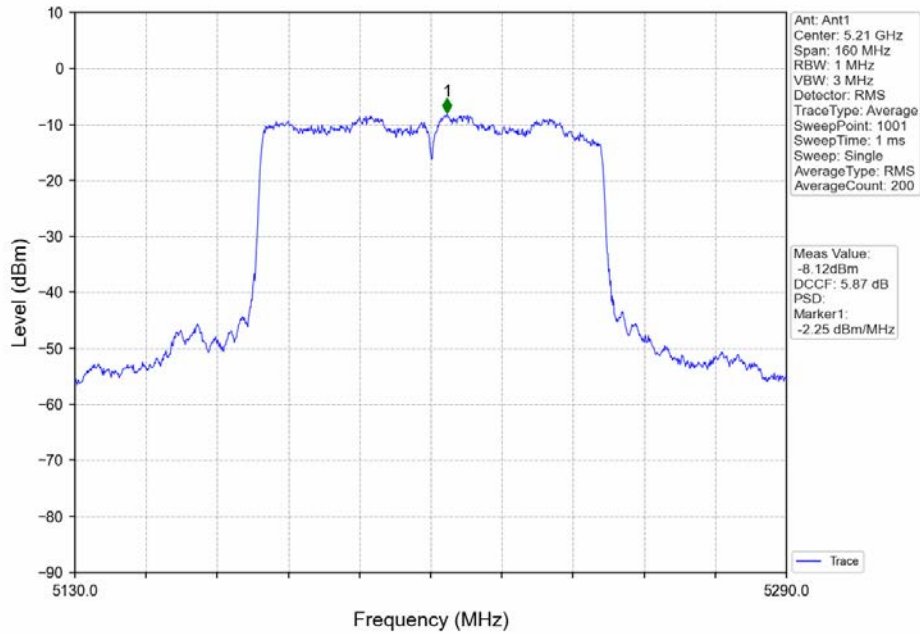
802.11ac(VHT40)_HCH_5670MHz_MIMO_NTNV



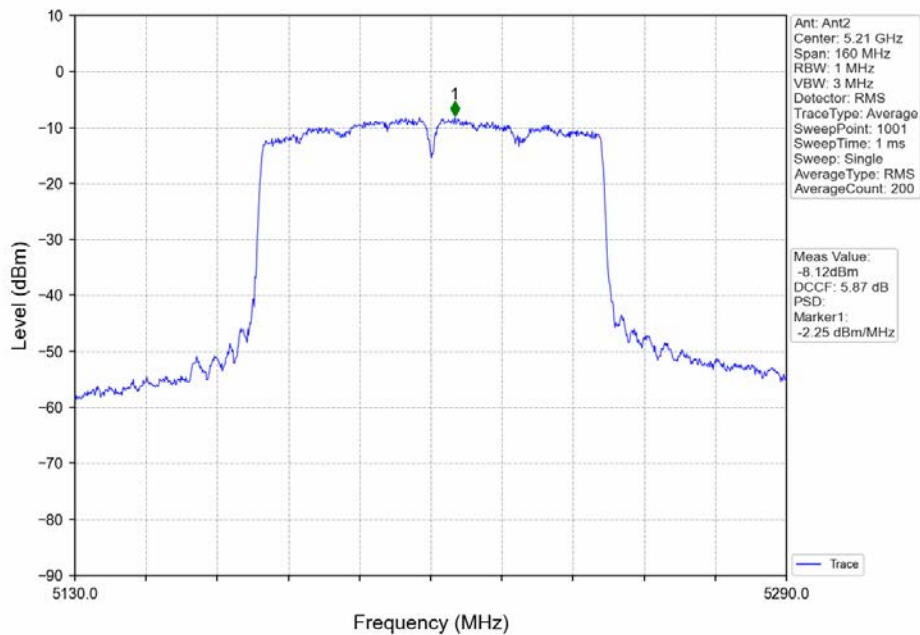
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



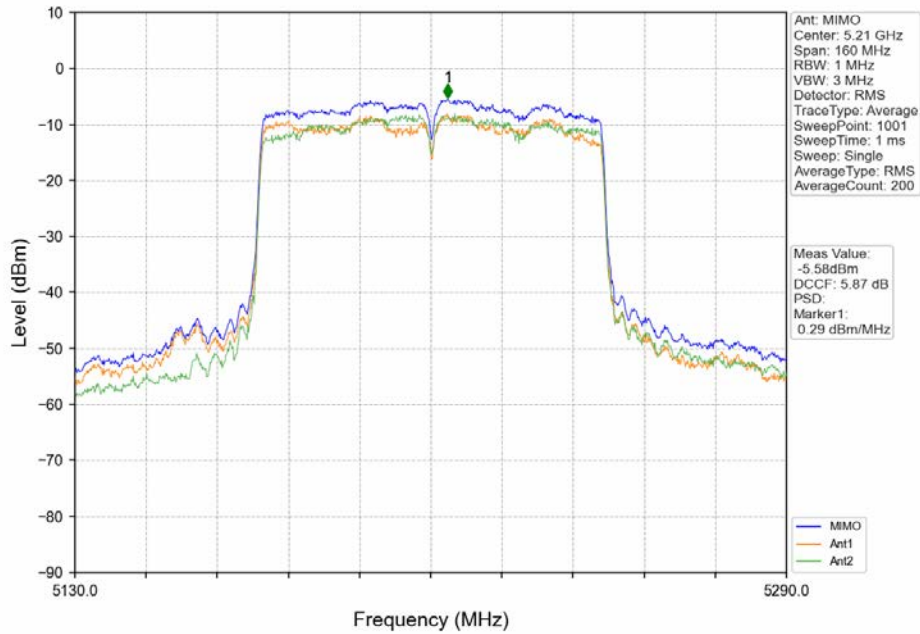
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



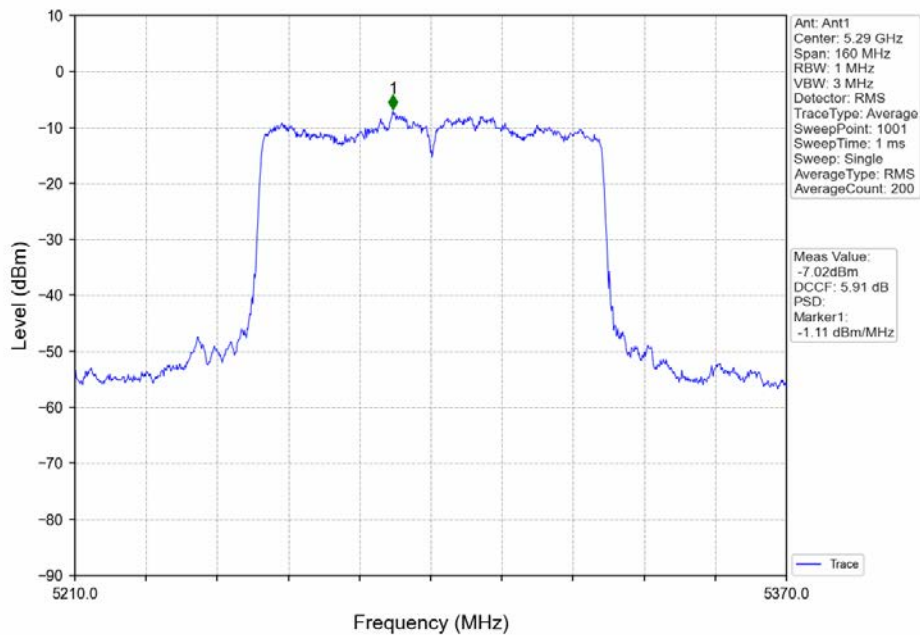
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802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV

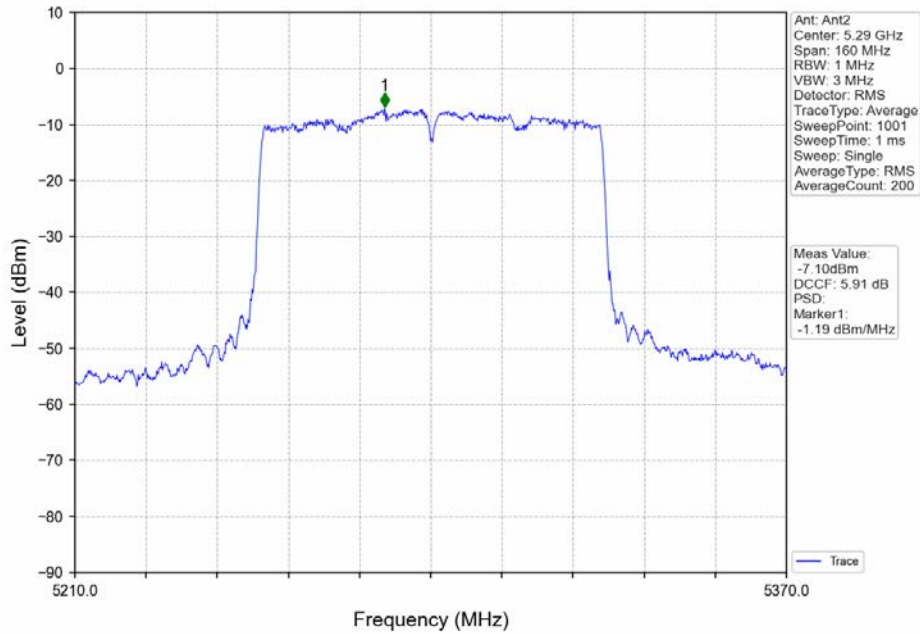


802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV

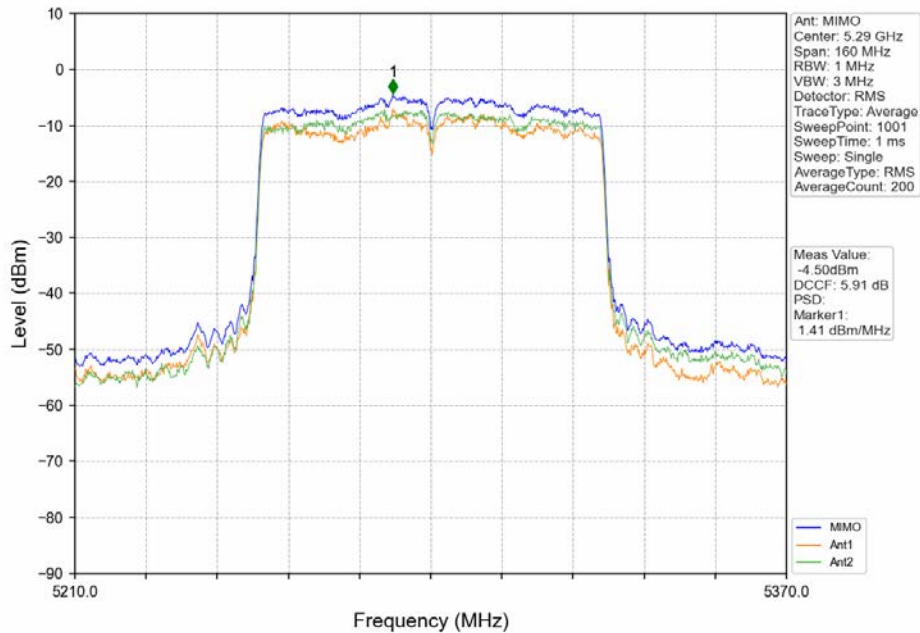


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802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV



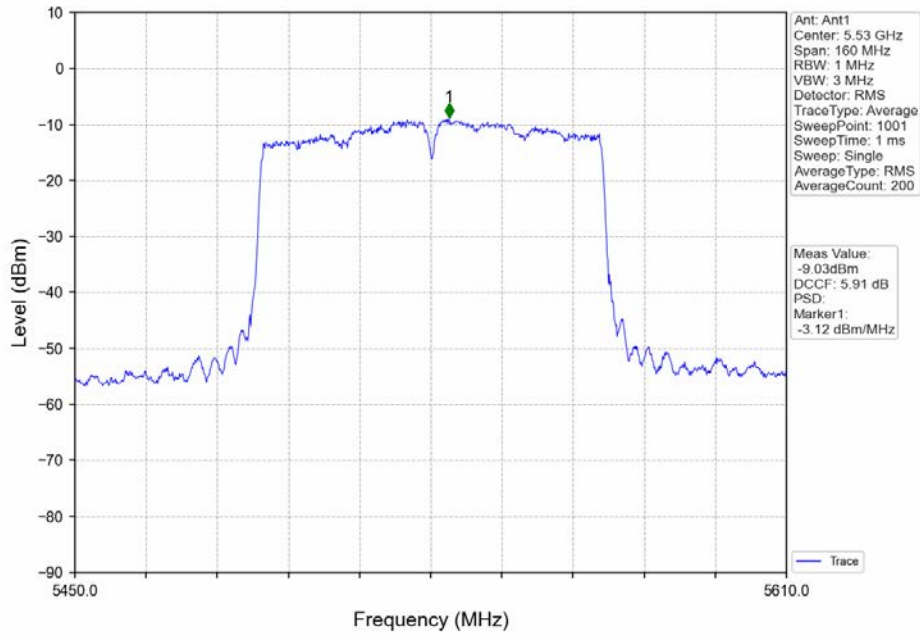
802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV



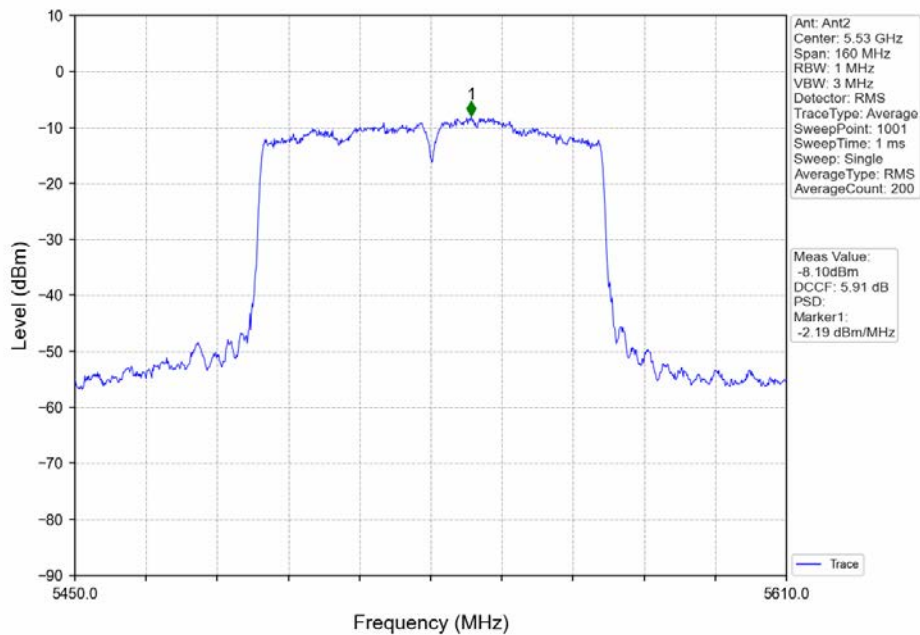
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

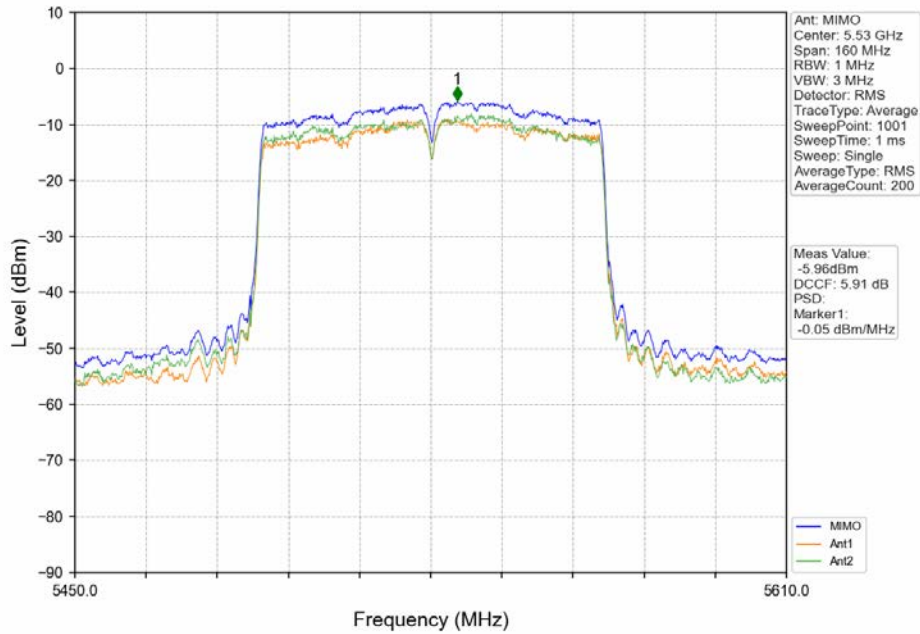


802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV

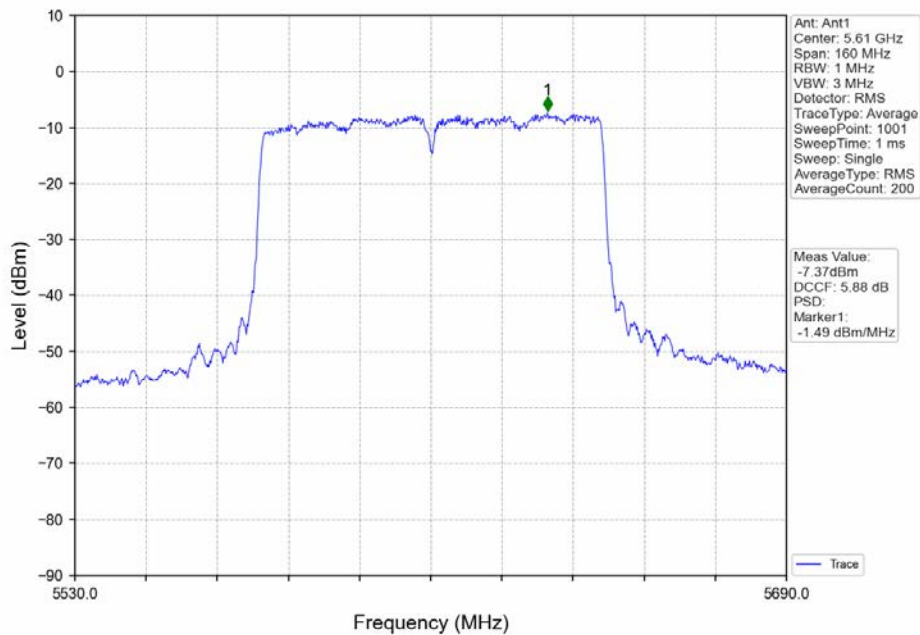


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802.11ac(VHT80)_LCH_5530MHz_MIMO_NTNV

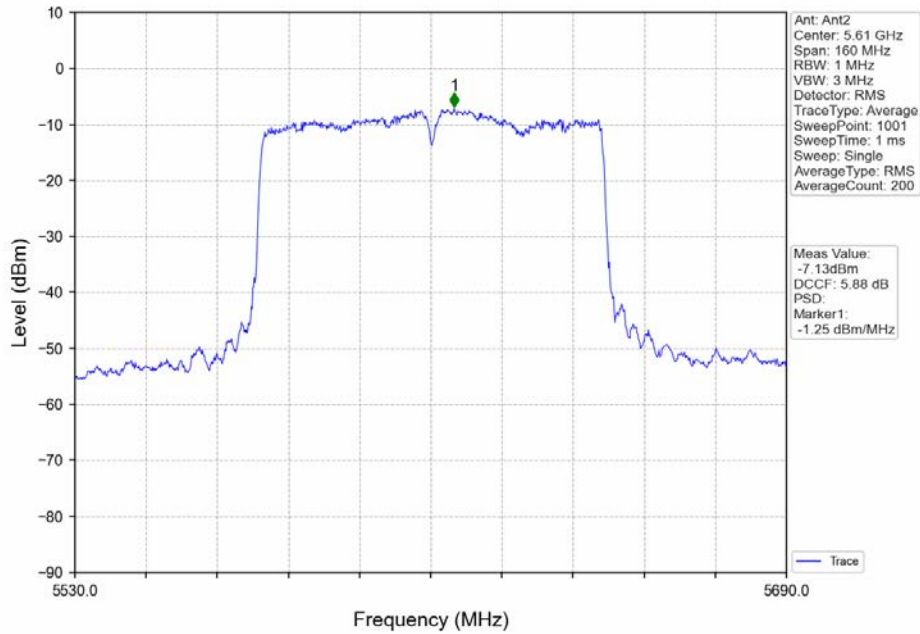


802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

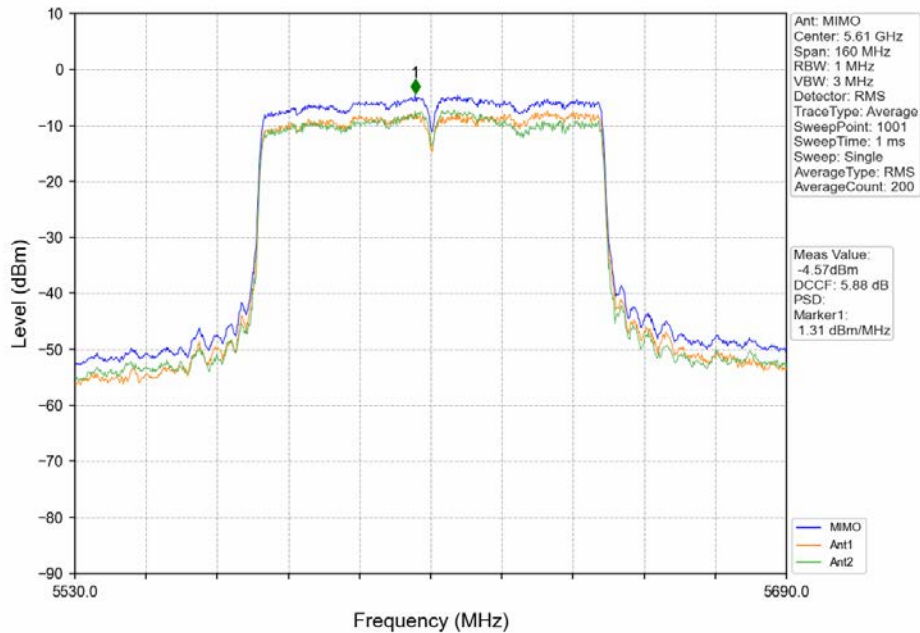


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802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV



802.11ac(VHT80)_HCH_5610MHz_MIMO_NTNV



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4.2 PSD-Band3

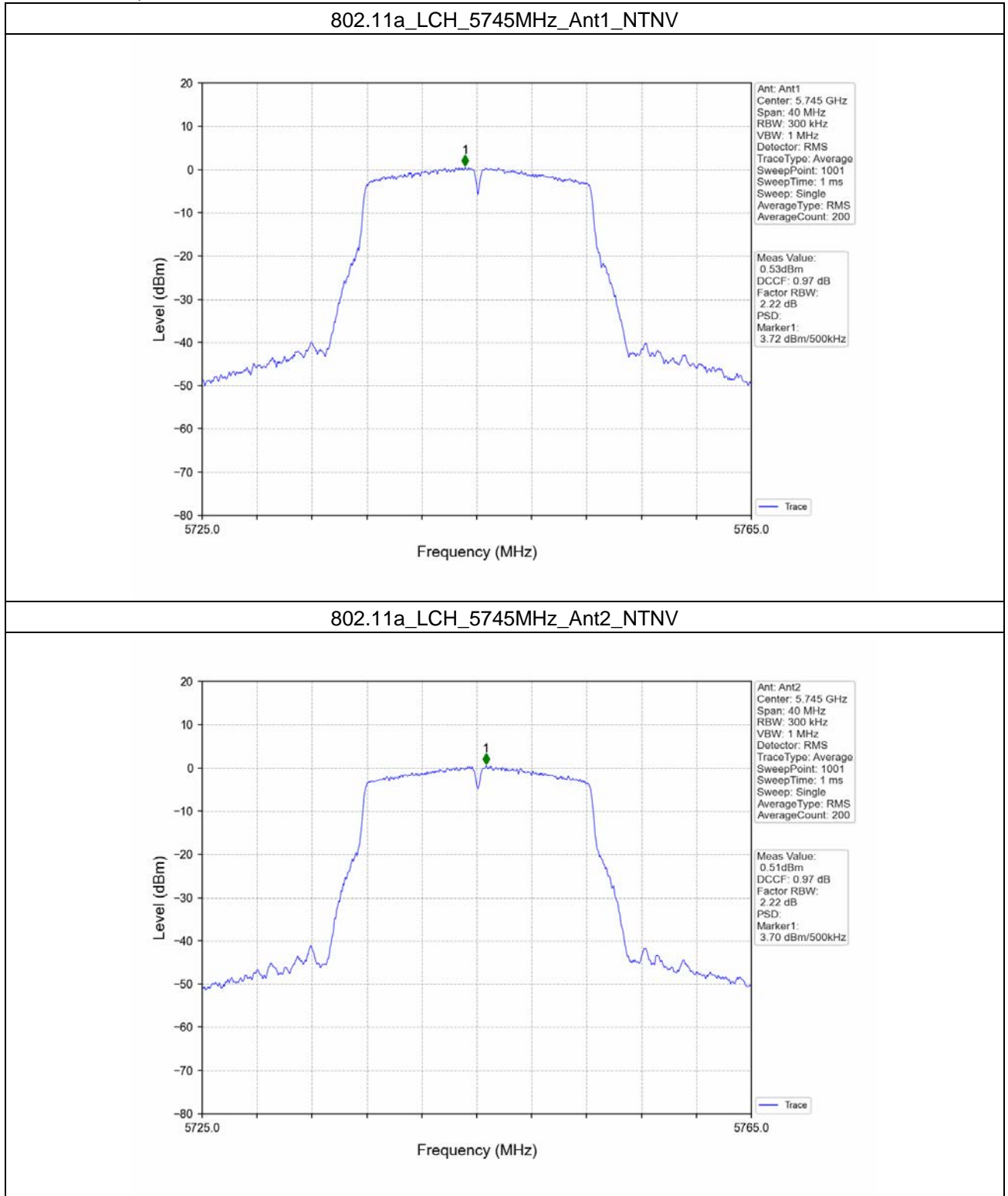
4.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/500kHz) | | | Limit (dBm/500kHz) | | Verdict |
|------------------|---------|-----------------|----|--------|--------------------------|------|-------|--------------------|---------|---------|
| | | | | | Ant1 | Ant2 | Sum | SISO | MIMO | |
| 802.11a | SISO | 5745 | / | / | 3.72 | 3.70 | / | <=30 | / | Pass |
| | | 5785 | / | / | 2.92 | 2.97 | / | <=30 | / | Pass |
| | | 5825 | / | / | 2.60 | 1.99 | / | <=30 | / | Pass |
| 802.11n (HT20) | MIMO | 5745 | / | / | 8.55 | 8.18 | 11.32 | <=30 | <=28.39 | Pass |
| | | 5785 | / | / | 8.05 | 8.04 | 11.00 | <=30 | <=28.39 | Pass |
| | | 5825 | / | / | 7.50 | 7.07 | 10.26 | <=30 | <=28.39 | Pass |
| 802.11n (HT40) | MIMO | 5755 | / | / | 7.15 | 6.98 | 9.73 | <=30 | <=28.39 | Pass |
| | | 5795 | / | / | 7.28 | 6.09 | 9.24 | <=30 | <=28.39 | Pass |
| 802.11ac (VHT20) | MIMO | 5745 | / | / | 9.89 | 9.37 | 12.57 | <=30 | <=28.39 | Pass |
| | | 5785 | / | / | 8.38 | 7.67 | 10.82 | <=30 | <=28.39 | Pass |
| | | 5825 | / | / | 7.51 | 7.44 | 10.36 | <=30 | <=28.39 | Pass |
| 802.11ac (VHT40) | MIMO | 5755 | / | / | 7.78 | 6.69 | 9.99 | <=30 | <=28.39 | Pass |
| | | 5795 | / | / | 6.31 | 5.81 | 8.67 | <=30 | <=28.39 | Pass |
| 802.11ac (VHT80) | MIMO | 5775 | / | / | 4.05 | 3.63 | 6.38 | <=30 | <=28.39 | Pass |

Note1: Antenna Gain: Ant1: 4.60dBi; Ant2: 4.60dBi;
 Since the number of transmit antennas is less than 4, Array gain=10*log2= 3.01dB.
 Directional gain =Antenna Gain+ Array gain=4.6+3.01=7.61dBi.



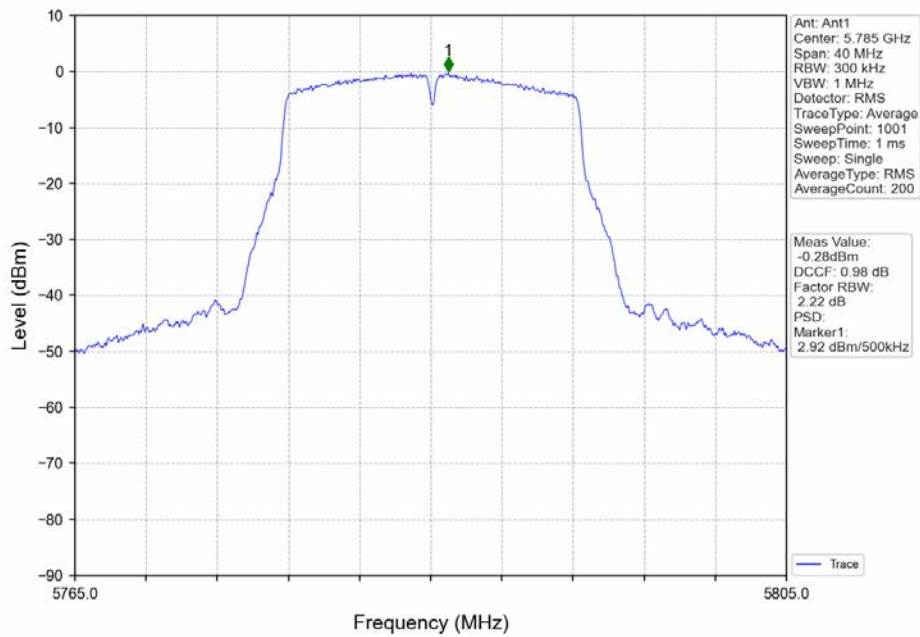
4.2.2 Test Graph



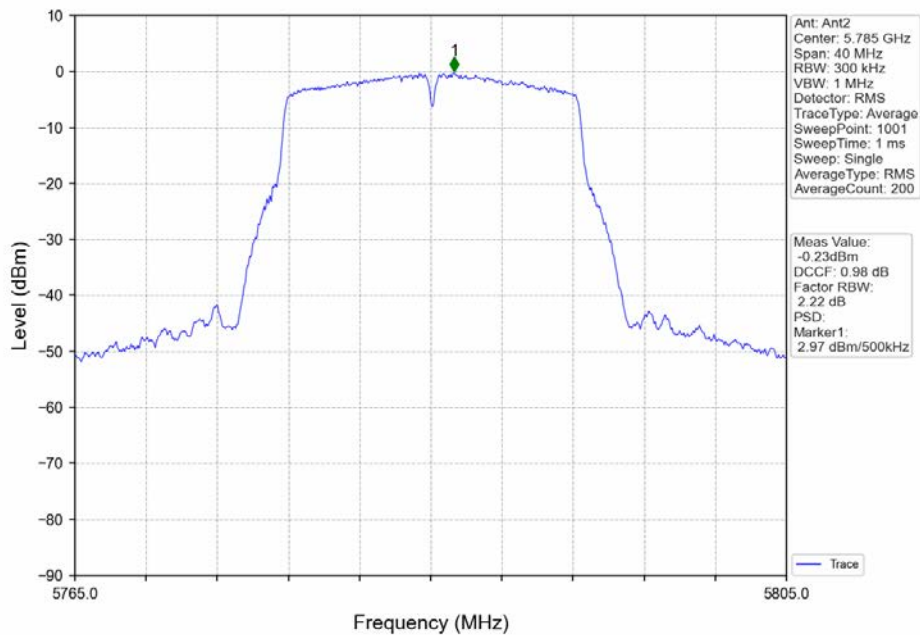
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802.11a_MCH_5785MHz_Ant1_NTNV



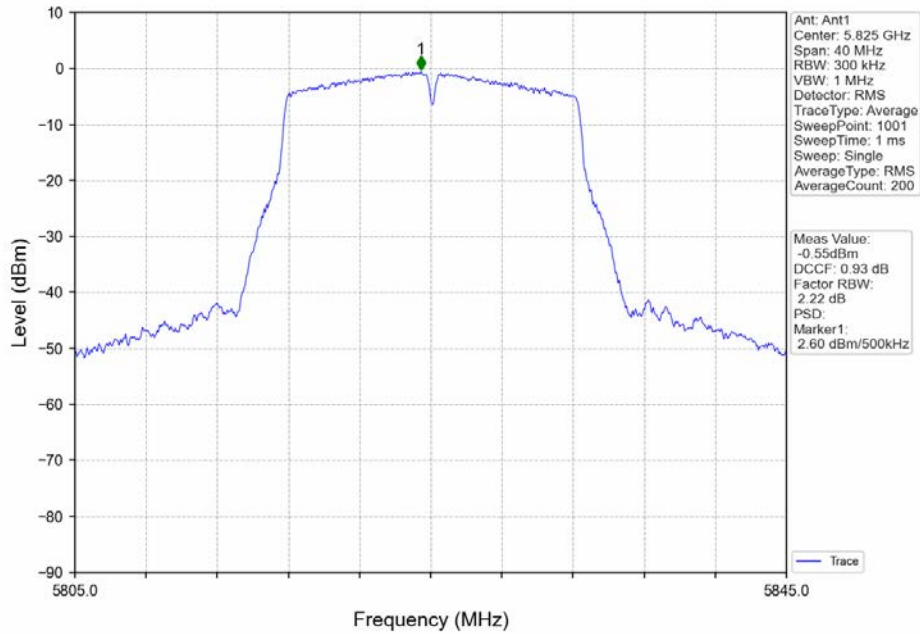
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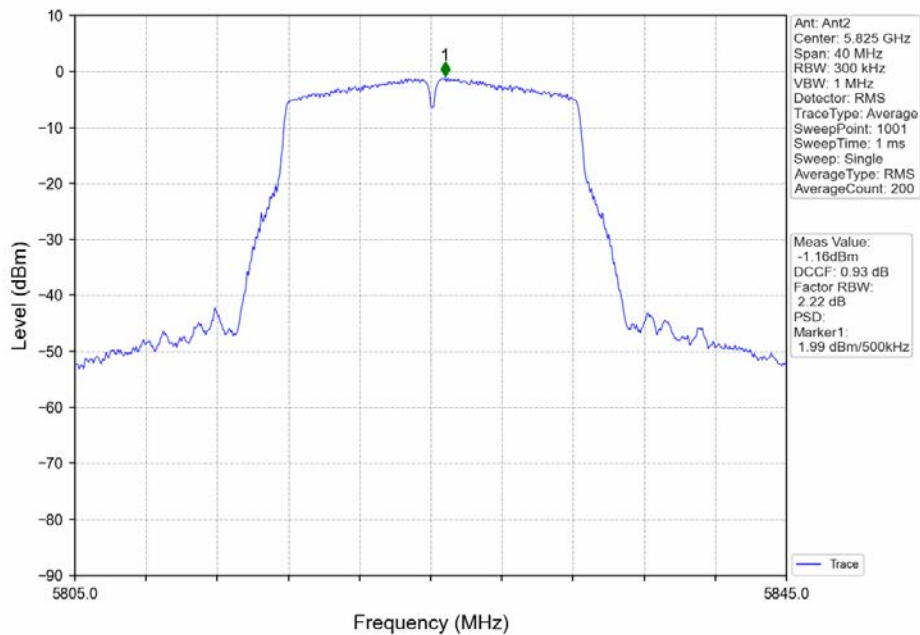
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802.11a_HCH_5825MHz_Ant1_NTNV

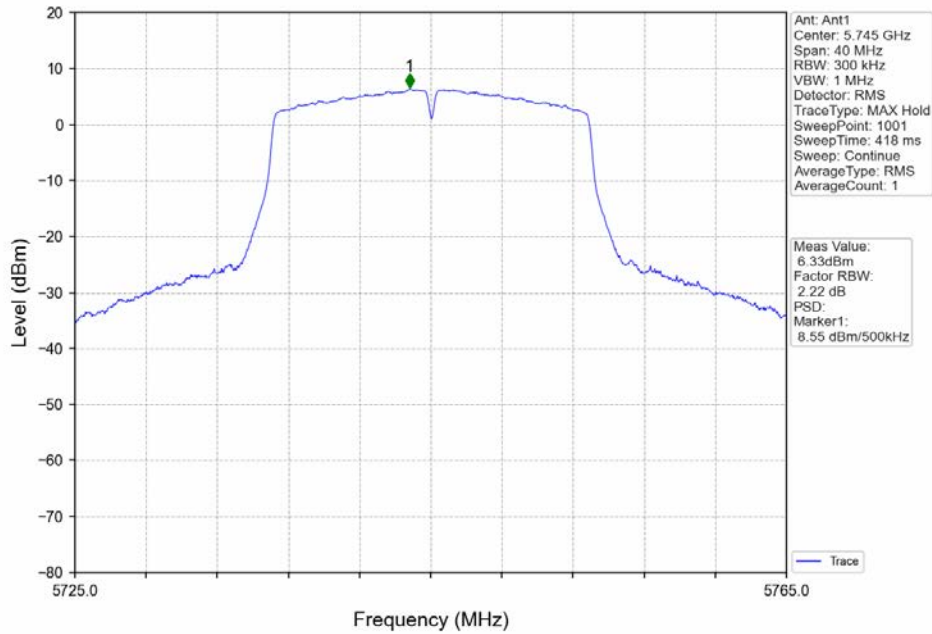


802.11a_HCH_5825MHz_Ant2_NTNV

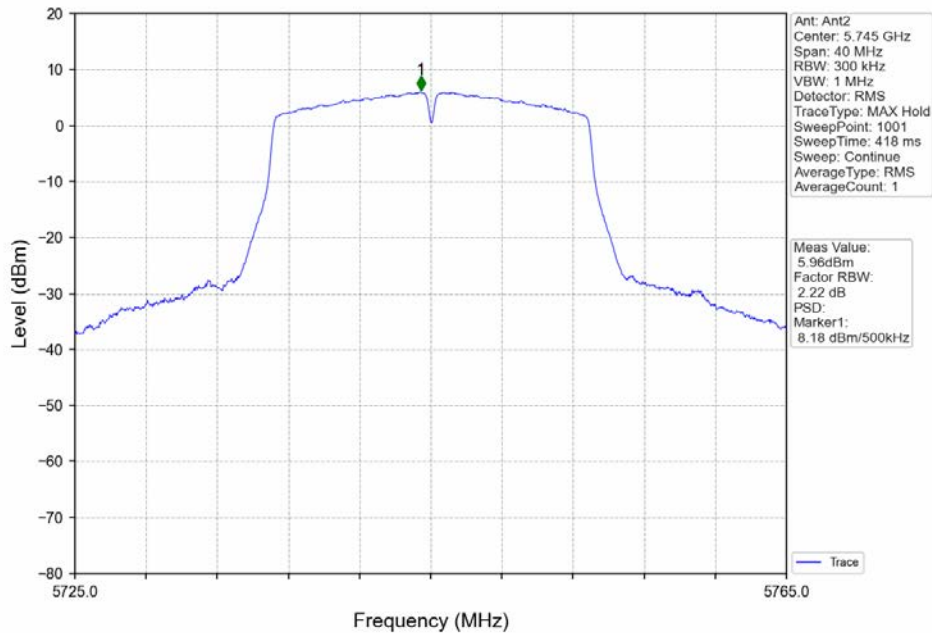


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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



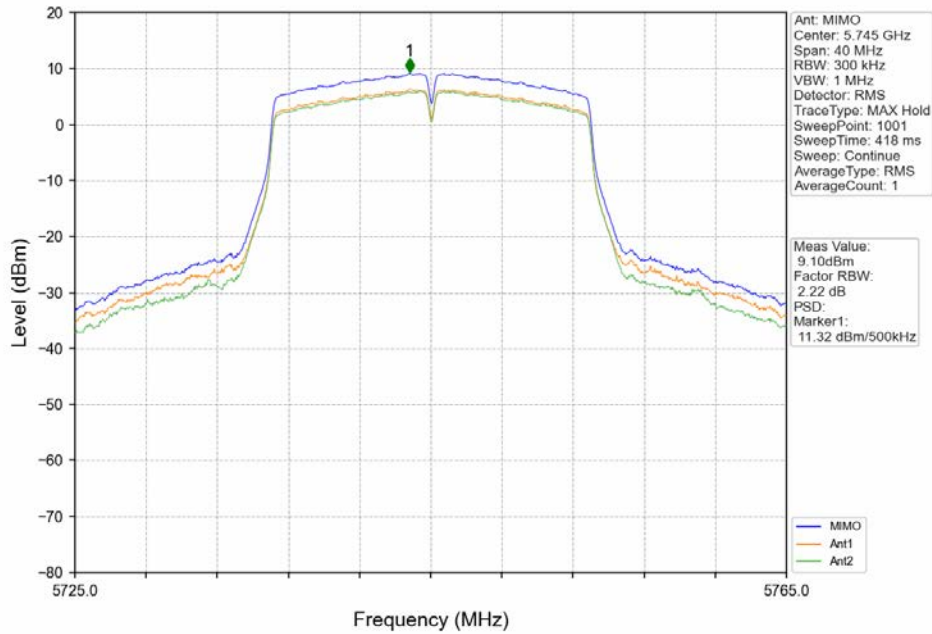
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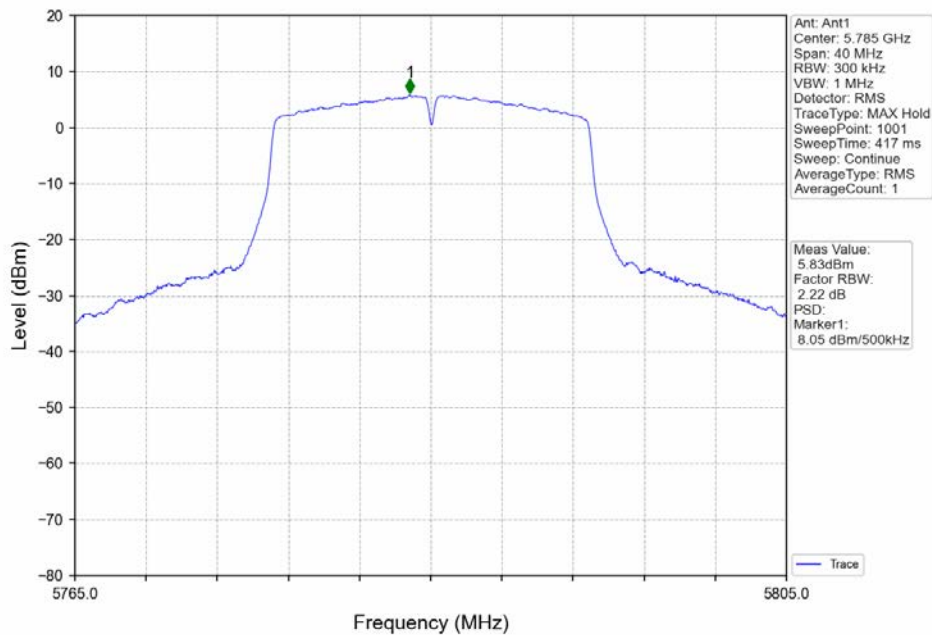
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802.11n(HT20)_LCH_5745MHz_MIMO_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

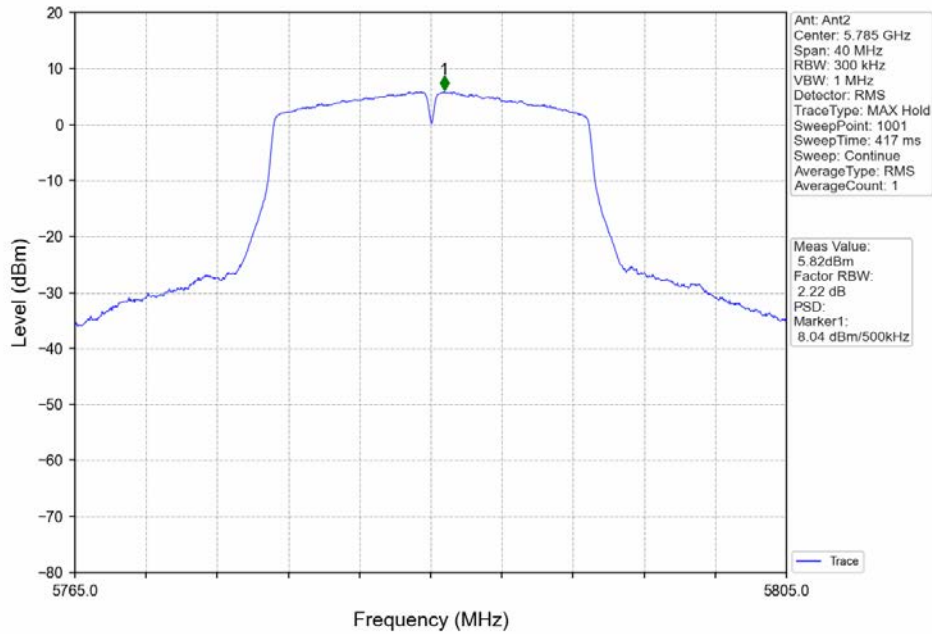


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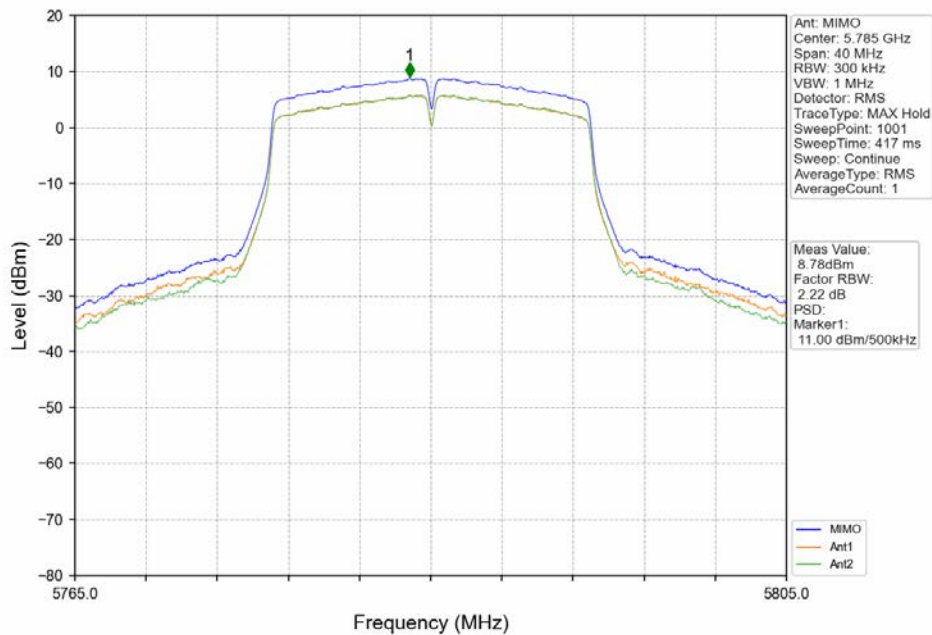
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802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



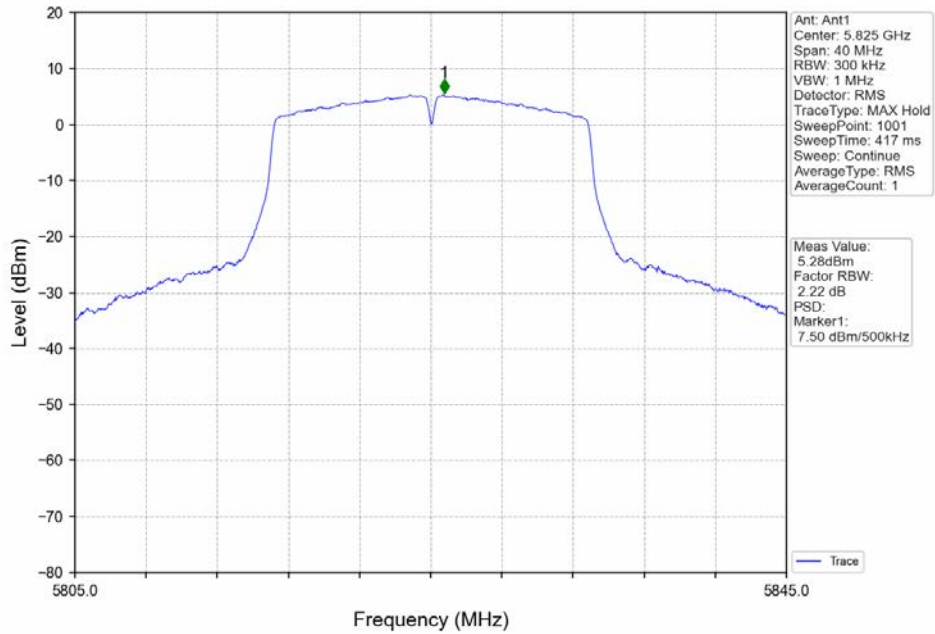
802.11n(HT20)_MCH_5785MHz_MIMO_NTNV



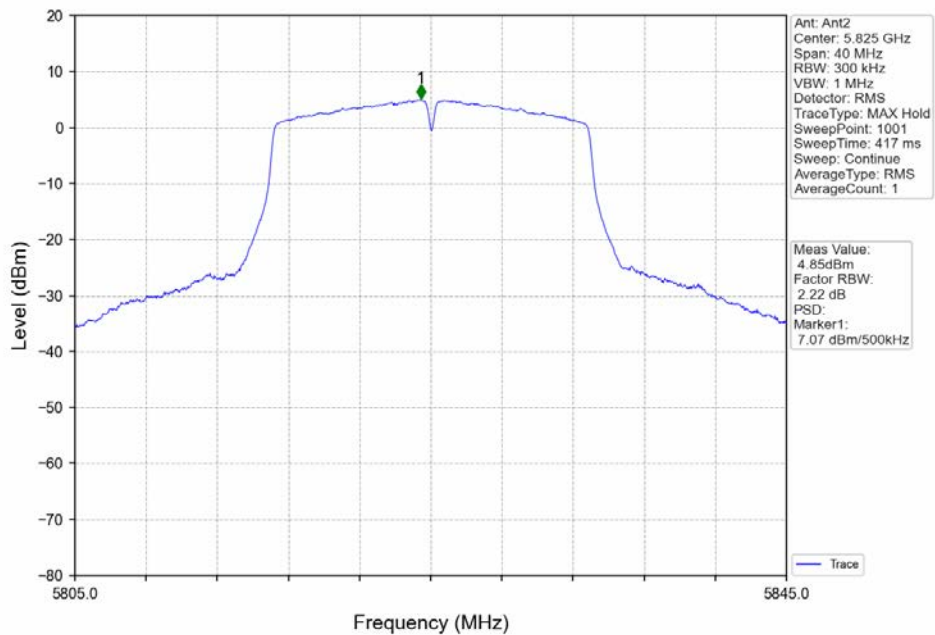
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

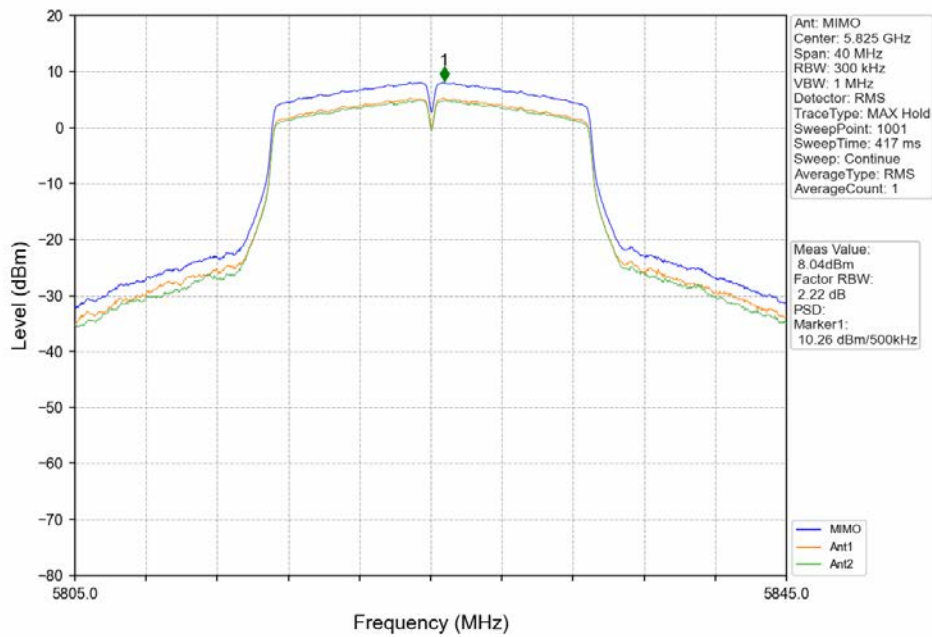


802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

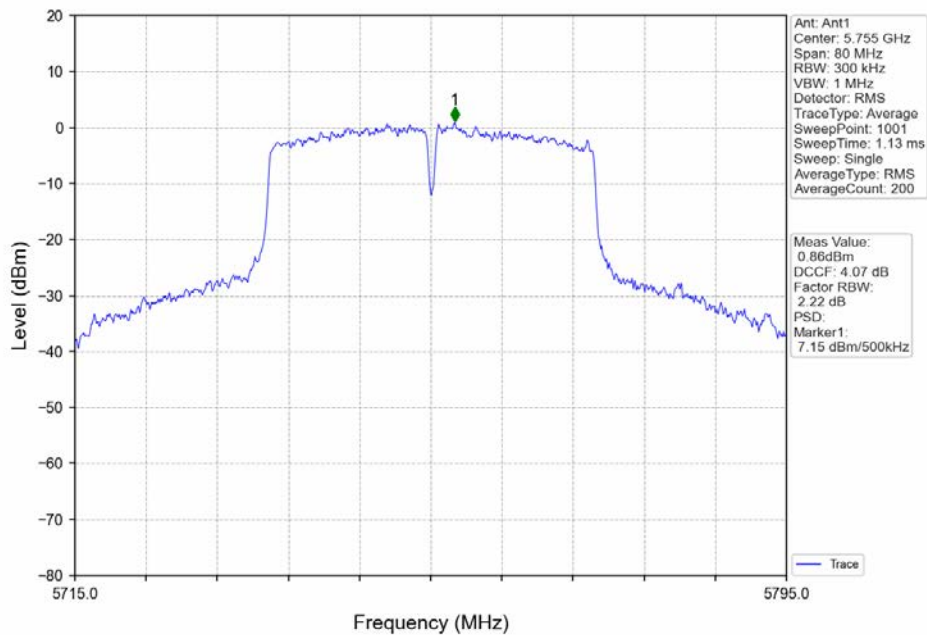


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802.11n(HT20)_HCH_5825MHz_MIMO_NTNV

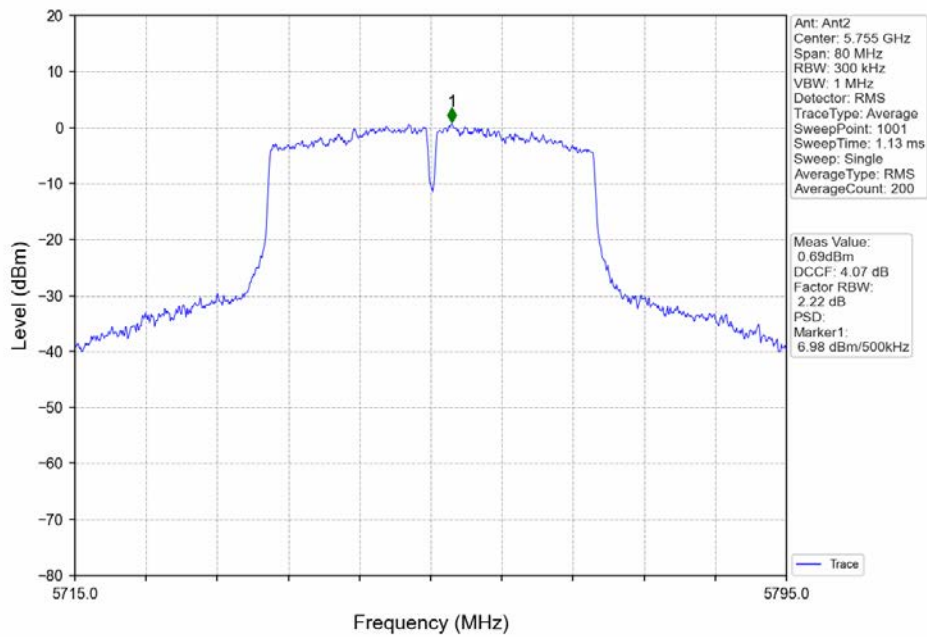


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

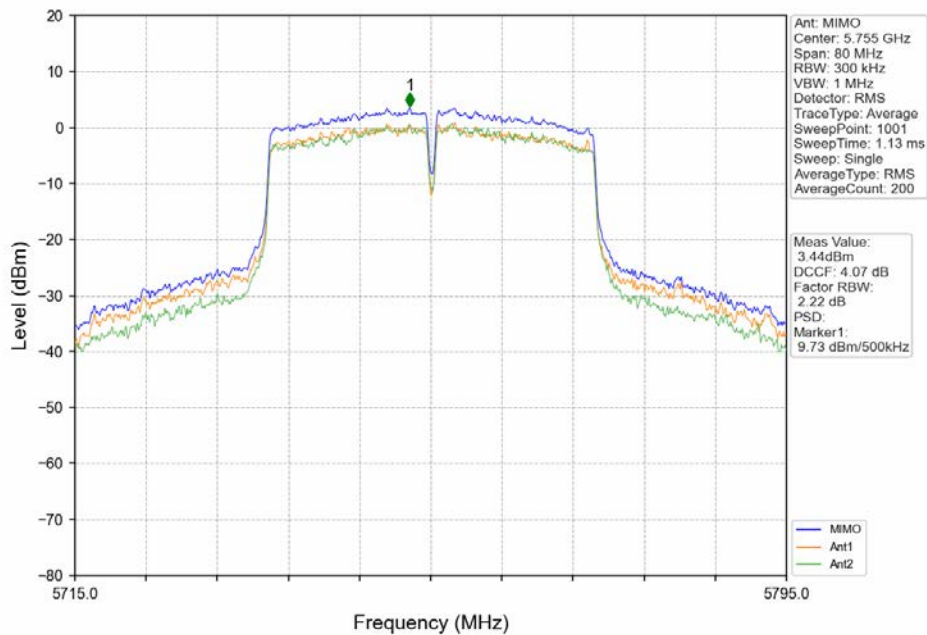


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802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



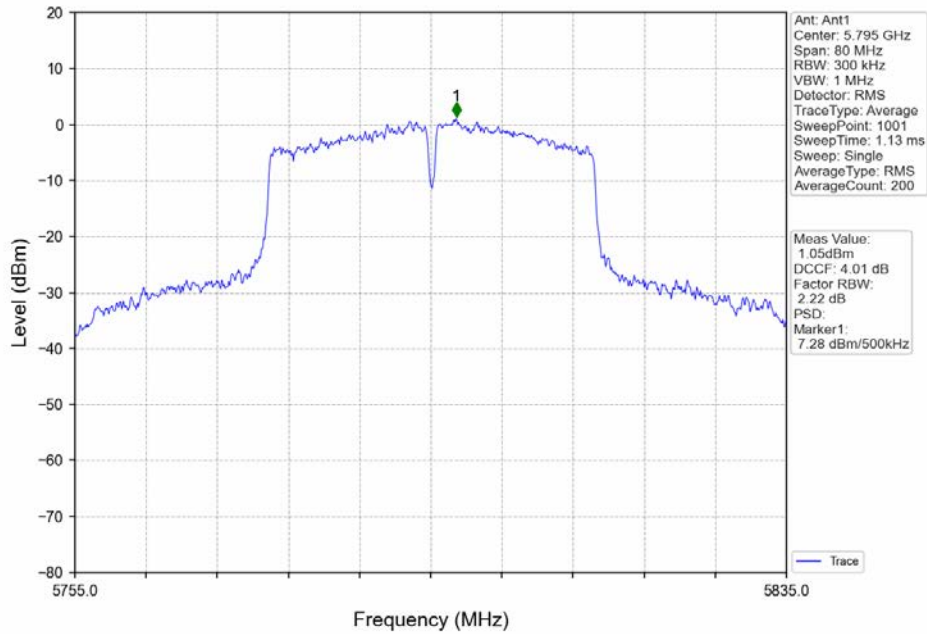
802.11n(HT40)_LCH_5755MHz_MIMO_NTNV



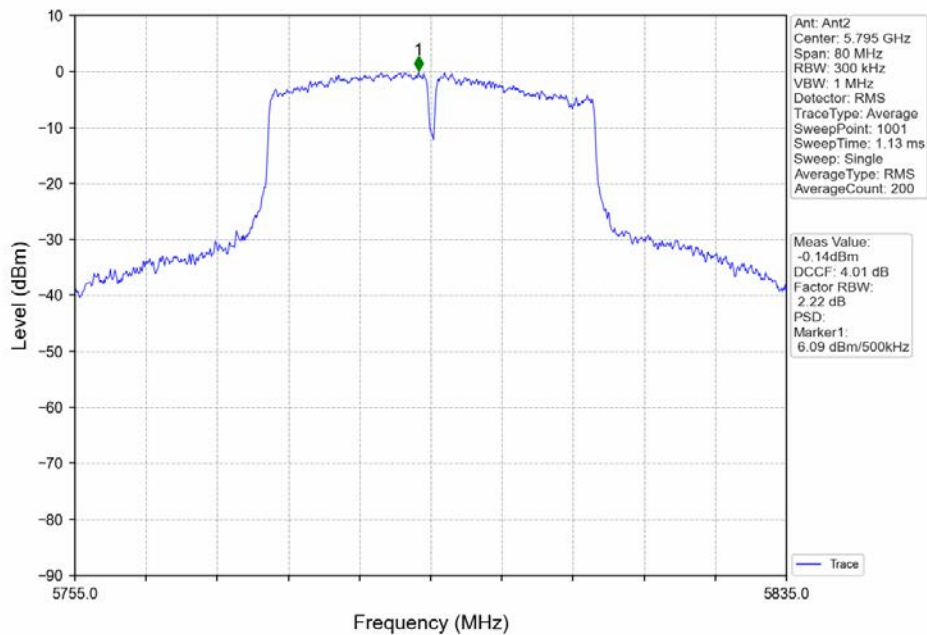
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



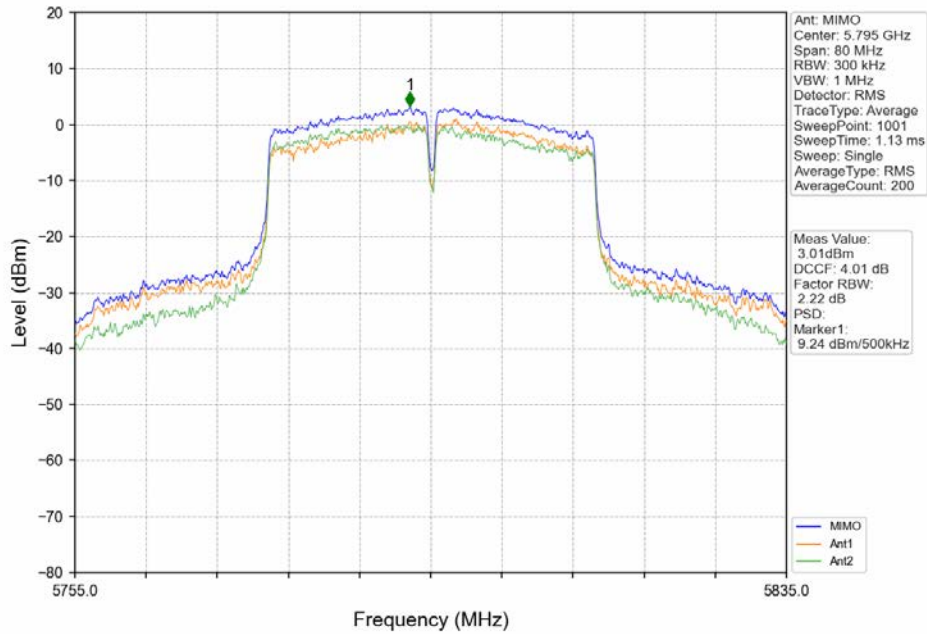
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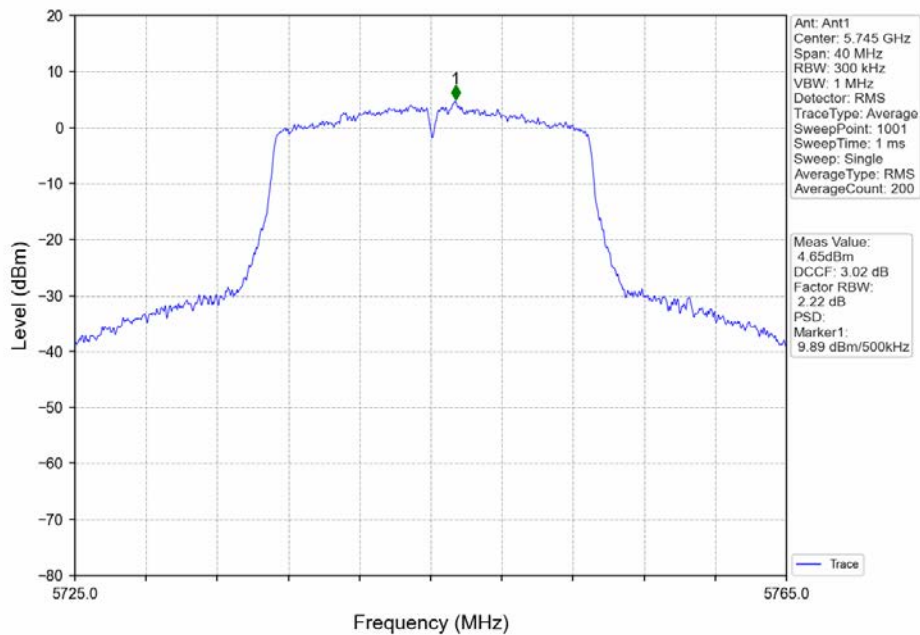
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802.11n(HT40)_HCH_5795MHz_MIMO_NTNV

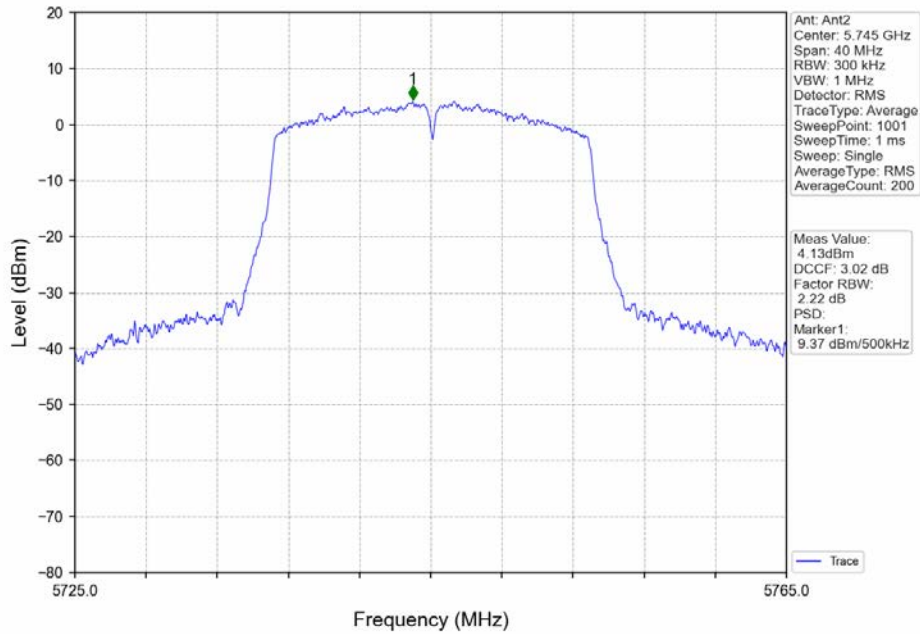


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

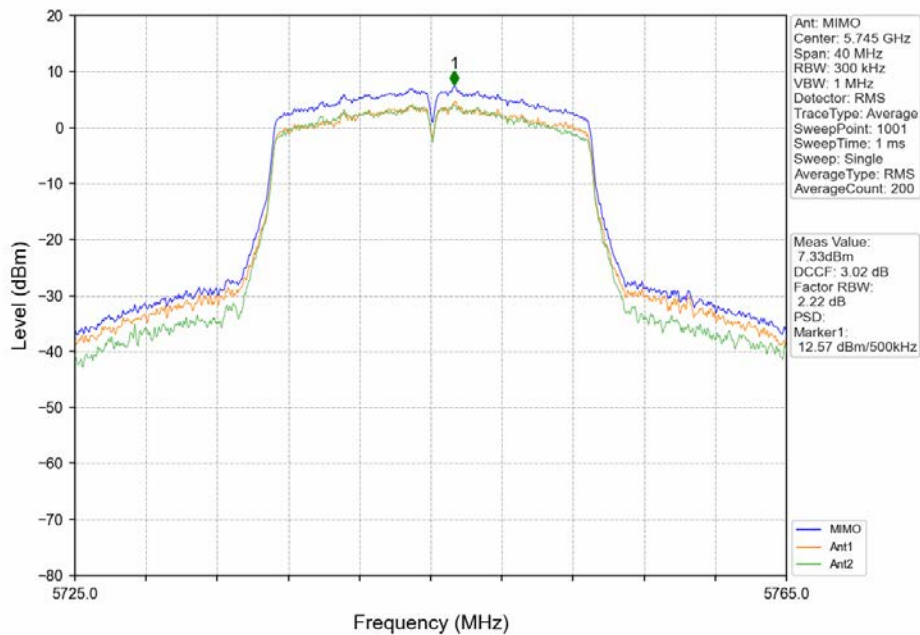


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802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

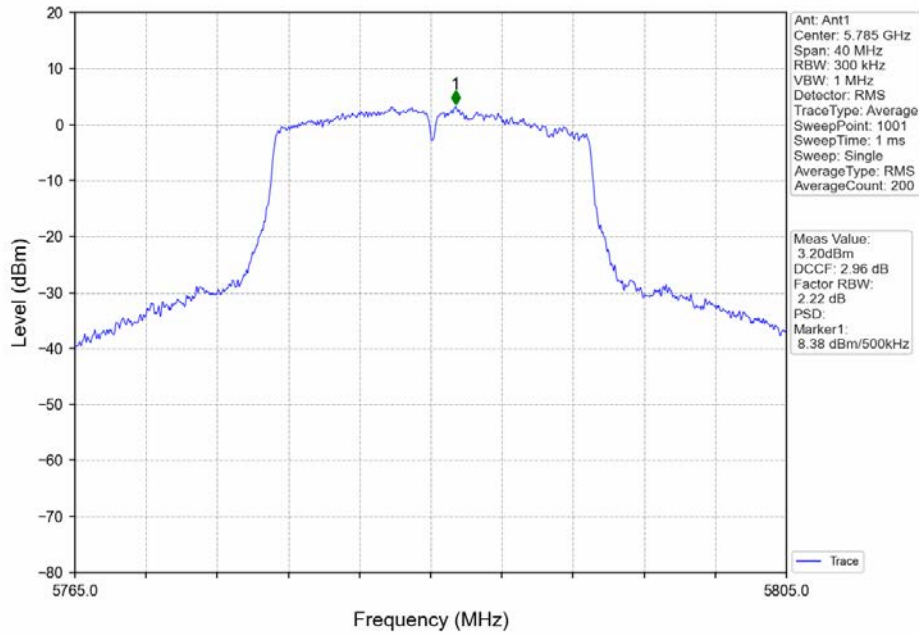


802.11ac(VHT20)_LCH_5745MHz_MIMO_NTNV

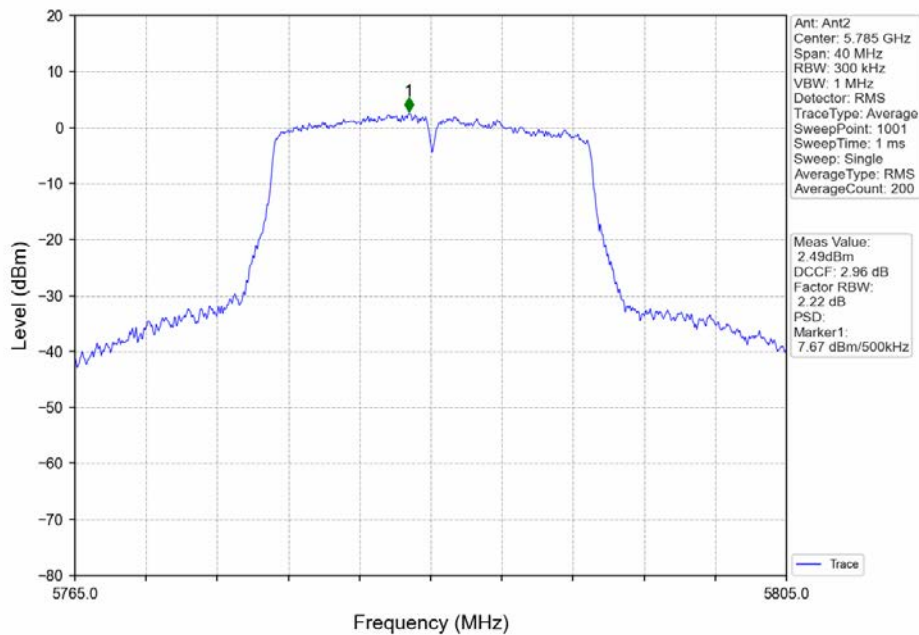


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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

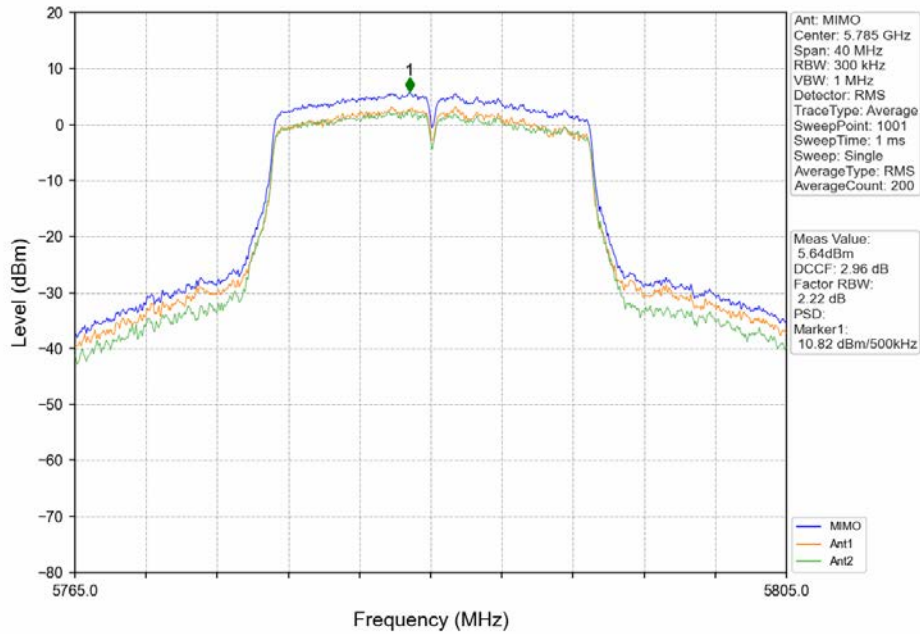


802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV

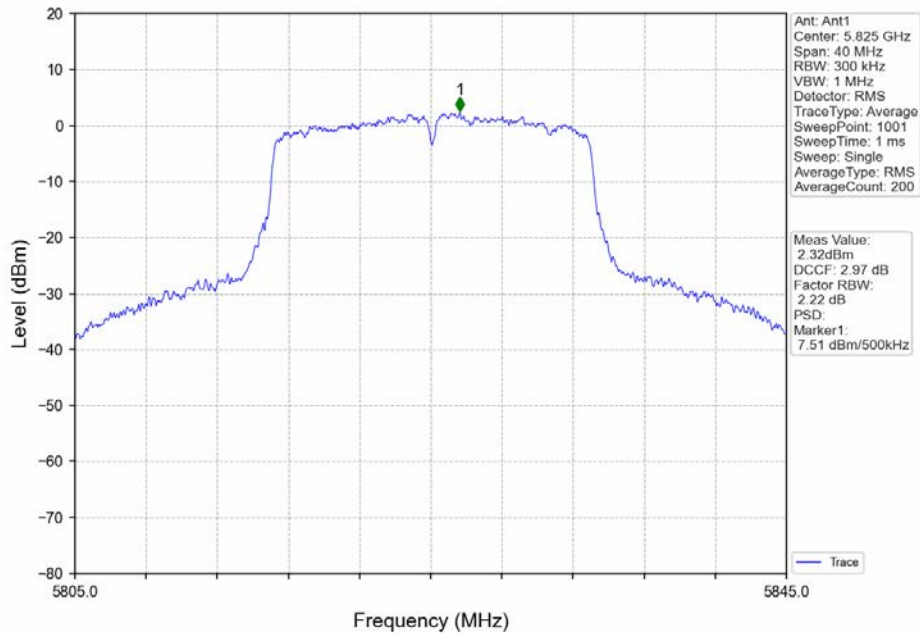


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802.11ac(VHT20)_MCH_5785MHz_MIMO_NTNV

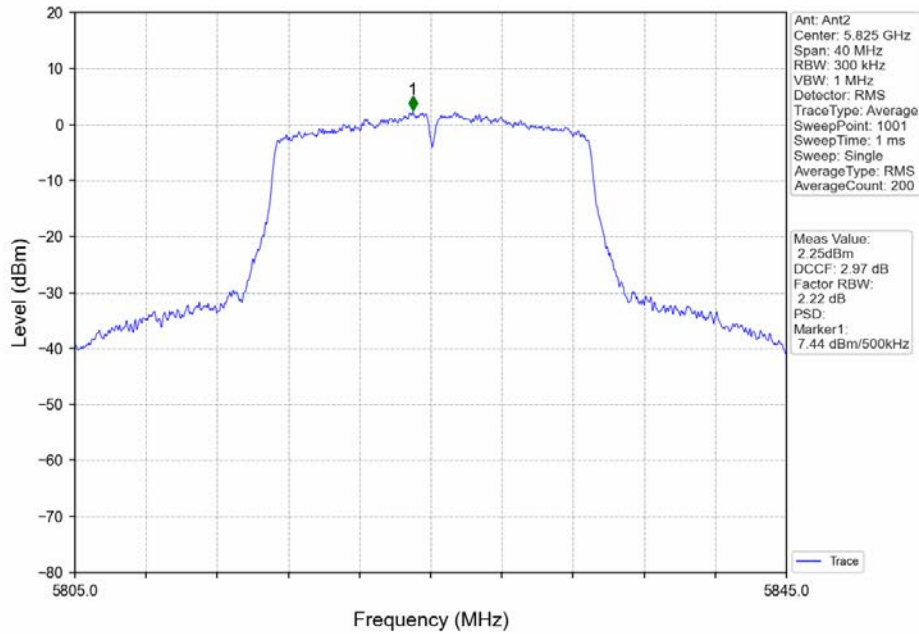


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

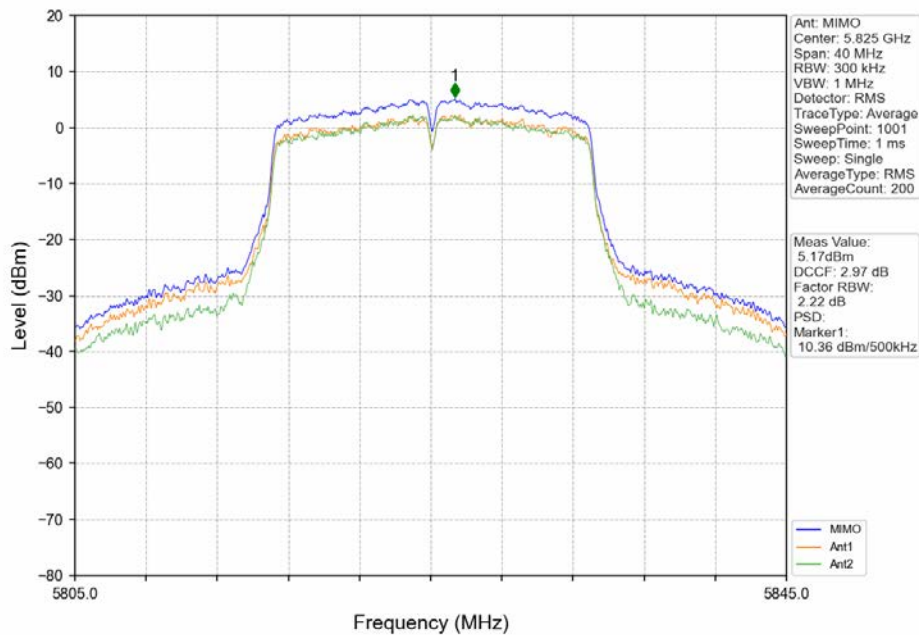


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802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



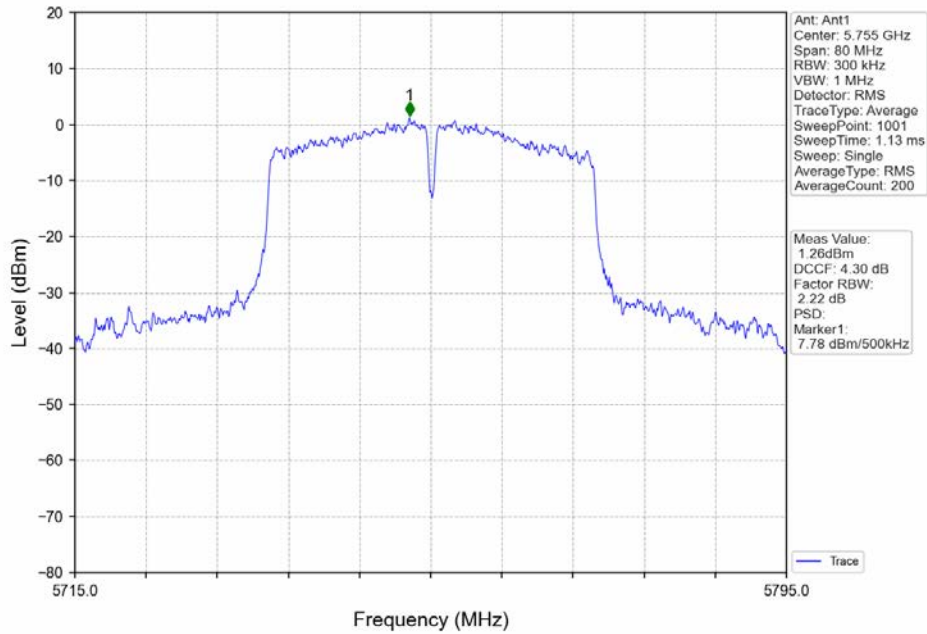
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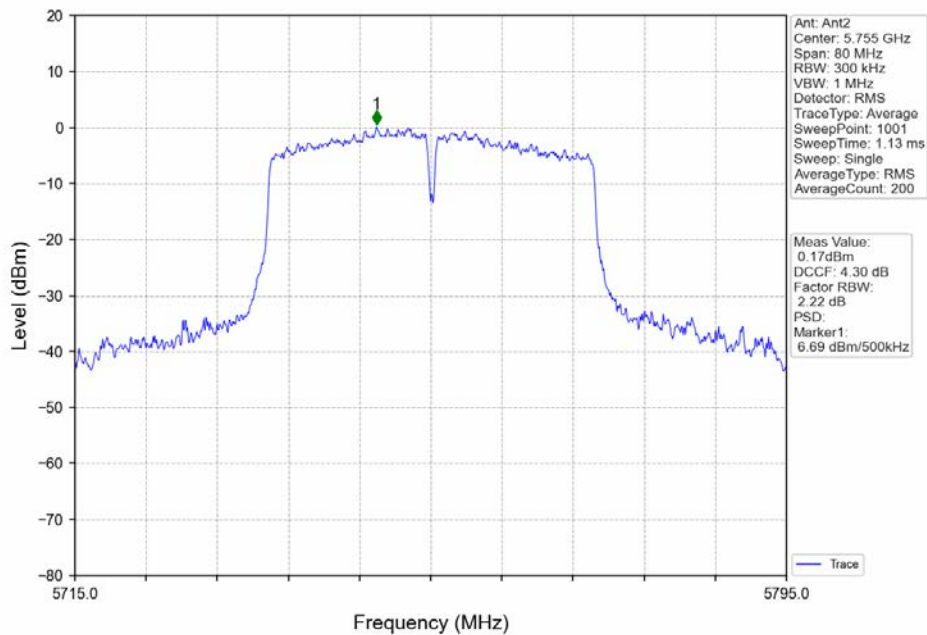
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



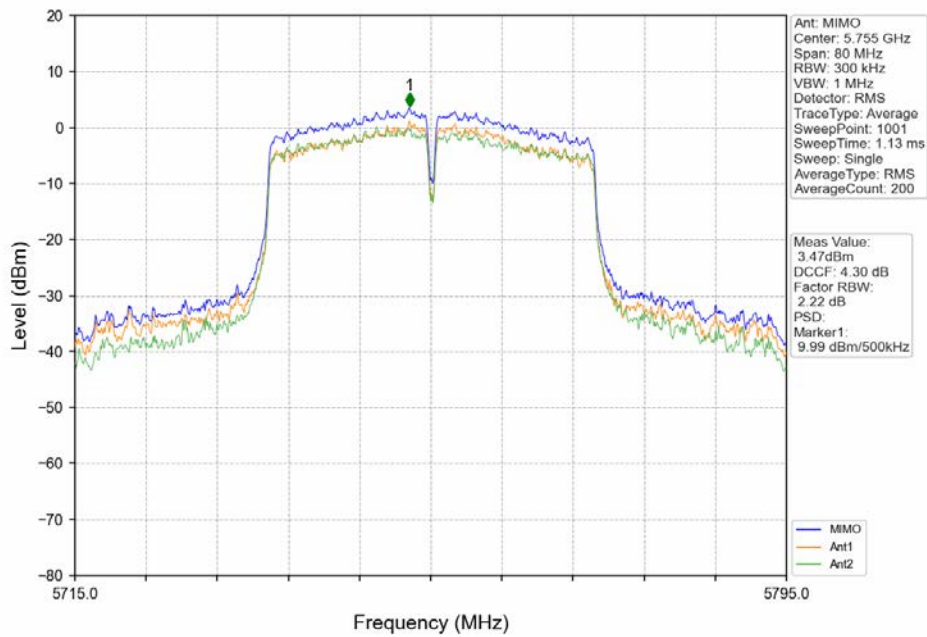
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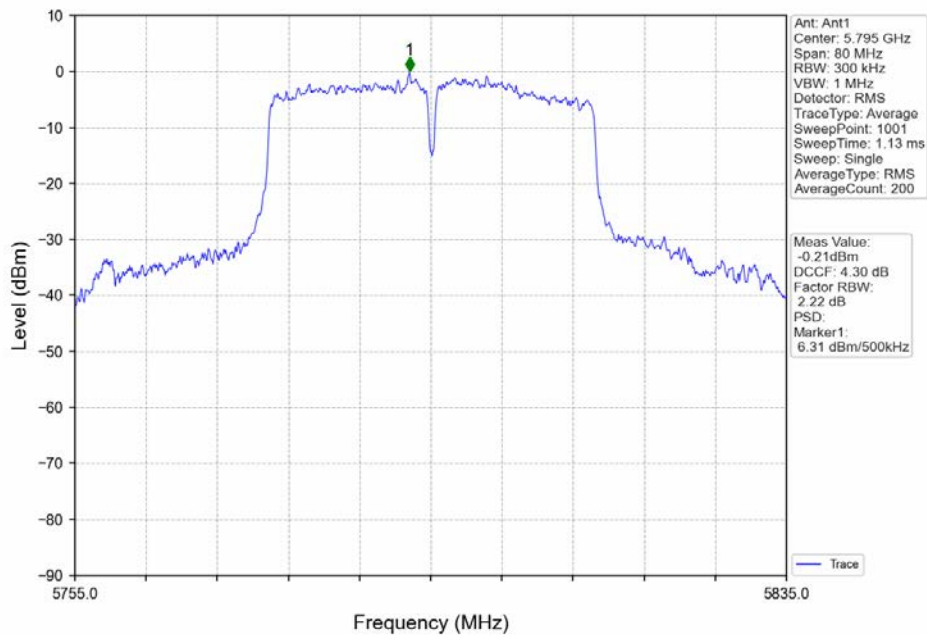
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802.11ac(VHT40)_LCH_5755MHz_MIMO_NTNV

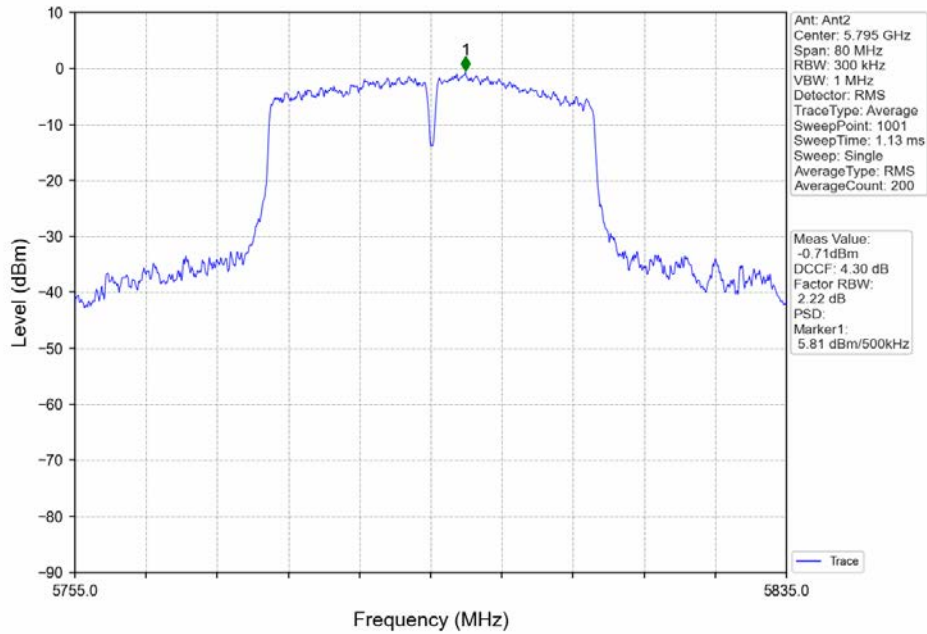


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

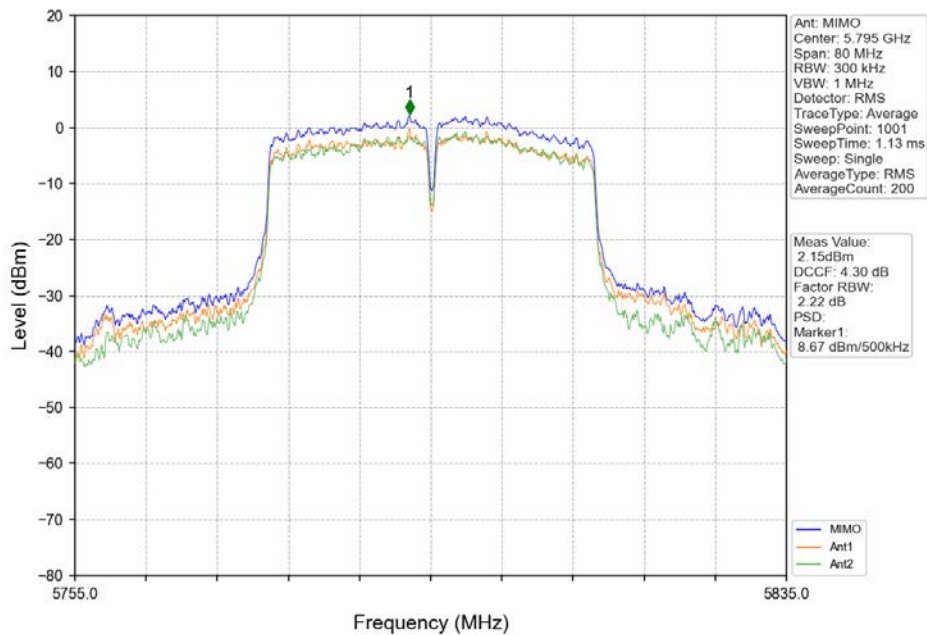


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802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



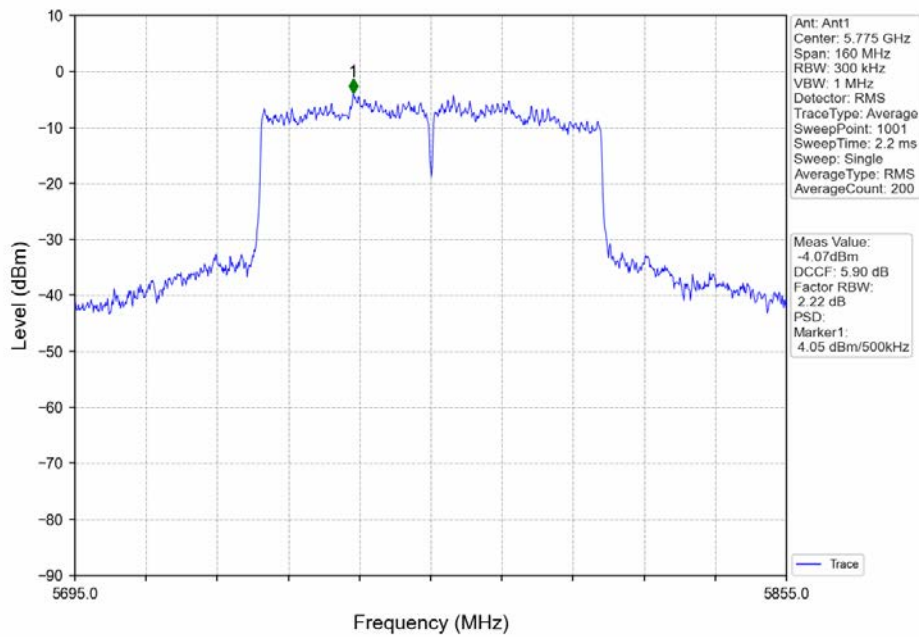
802.11ac(VHT40)_HCH_5795MHz_MIMO_NTNV



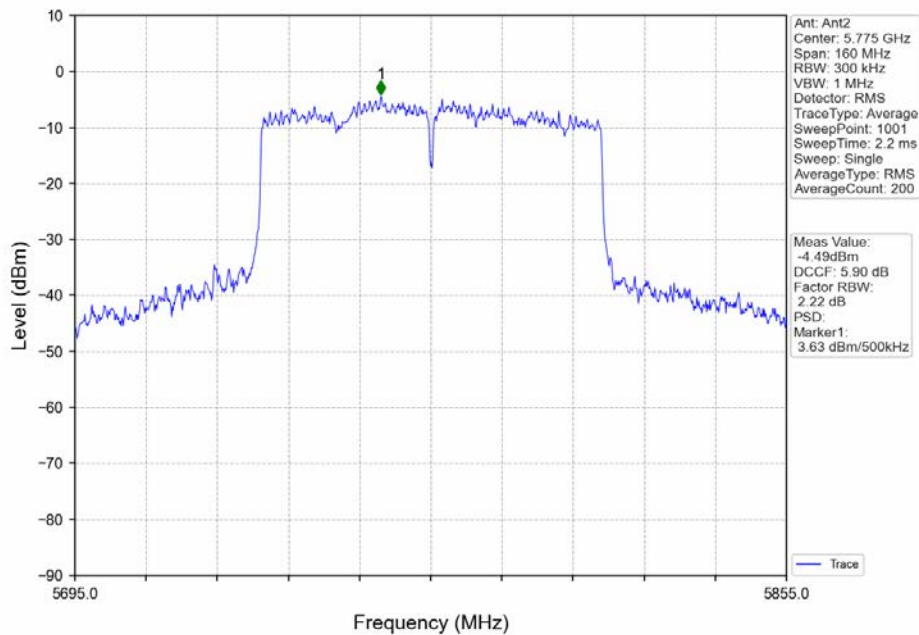
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

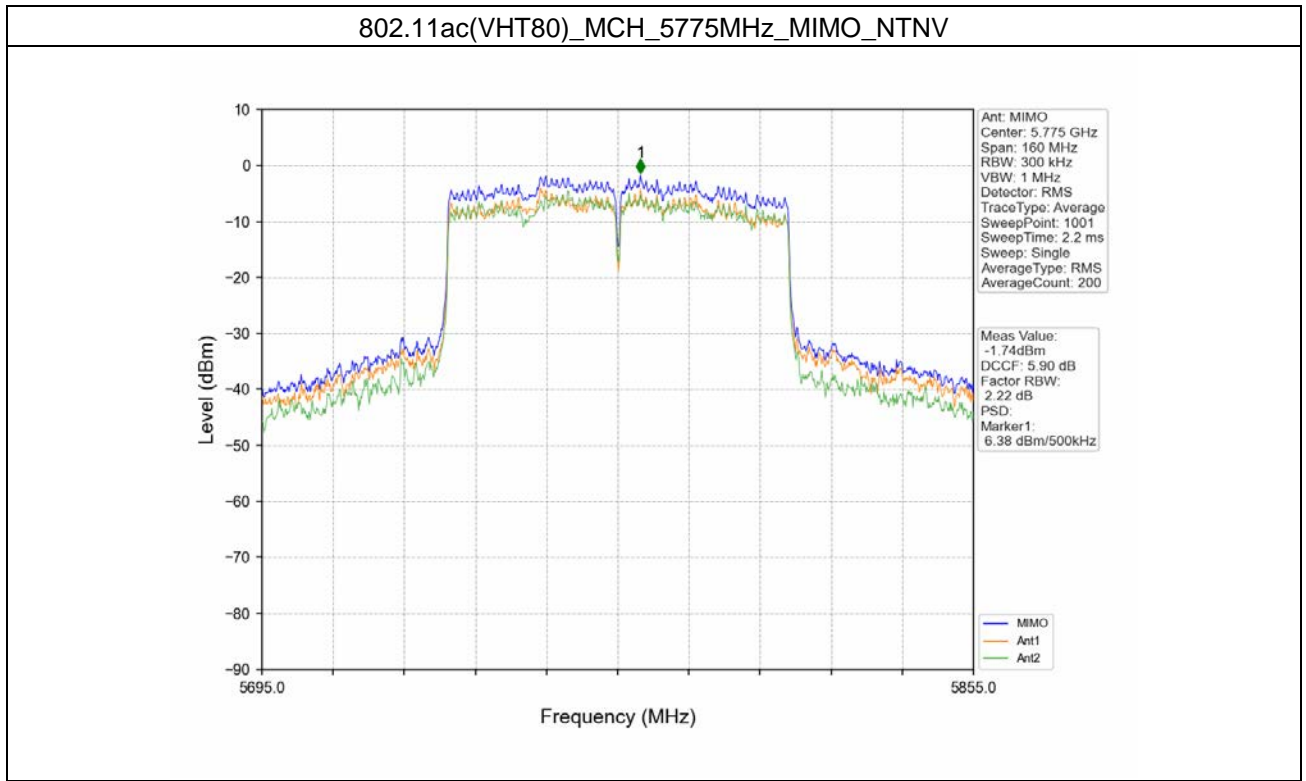


802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

| Ant1 | | | | | | | | | |
|---------|----------|-----------------|----------|--------------|------------------|---------------|--------------------------|--------------|---------|
| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Temperature (°C) | Voltage (VAC) | Measured Frequency (MHz) | Limit | Verdict |
| 802.11a | SISO | 5180 | / | / | 20 | 102 | 5180.120 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5180.100 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5180.060 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5180.000 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5180.140 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5180.120 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5180.120 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5180.180 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5180.140 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5180.120 | 5150 to 5250 | Pass |
| | | 120 | 5180.100 | 5150 to 5250 | | Pass | | | |
| | | 5200 | / | / | 20 | 102 | 5200.140 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.120 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5200.100 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5200.040 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.060 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.100 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5200.100 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.100 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5200.160 | 5150 to 5250 | Pass |
| | | 120 | 5200.040 | 5150 to 5250 | | Pass | | | |
| | | 5240 | / | / | 20 | 102 | 5240.180 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5240.080 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5240.100 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5239.980 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5240.140 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5240.120 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5240.060 | 5150 to 5250 | Pass |
| 120 | 5240.100 | | | | | 5150 to 5250 | Pass | | |



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| | | | | | | | | |
|--|--|------|---|----|-----|----------|--------------|--------------|
| | | | | 40 | 120 | 5240.080 | 5150 to 5250 | Pass |
| | | | | 50 | 120 | 5240.160 | 5150 to 5250 | Pass |
| | | 5260 | / | / | 20 | 102 | 5260.080 | 5250 to 5350 |
| | | | | | | 120 | 5260.080 | 5250 to 5350 |
| | | | | | | 138 | 5260.220 | 5250 to 5350 |
| | | | | | -30 | 120 | 5260.160 | 5250 to 5350 |
| | | | | | -20 | 120 | 5260.080 | 5250 to 5350 |
| | | | | | -10 | 120 | 5260.160 | 5250 to 5350 |
| | | | | | 0 | 120 | 5260.180 | 5250 to 5350 |
| | | | | | 10 | 120 | 5260.160 | 5250 to 5350 |
| | | | | | 30 | 120 | 5260.060 | 5250 to 5350 |
| | | | | | 40 | 120 | 5260.100 | 5250 to 5350 |
| | | | | | 50 | 120 | 5260.100 | 5250 to 5350 |
| | | 5300 | / | / | 20 | 102 | 5300.100 | 5250 to 5350 |
| | | | | | | 120 | 5300.160 | 5250 to 5350 |
| | | | | | | 138 | 5300.080 | 5250 to 5350 |
| | | | | | -30 | 120 | 5300.180 | 5250 to 5350 |
| | | | | | -20 | 120 | 5300.140 | 5250 to 5350 |
| | | | | | -10 | 120 | 5300.100 | 5250 to 5350 |
| | | | | | 0 | 120 | 5300.040 | 5250 to 5350 |
| | | | | | 10 | 120 | 5300.040 | 5250 to 5350 |
| | | | | | 30 | 120 | 5300.120 | 5250 to 5350 |
| | | | | | 40 | 120 | 5300.080 | 5250 to 5350 |
| | | | | | 50 | 120 | 5300.120 | 5250 to 5350 |
| | | 5320 | / | / | 20 | 102 | 5320.100 | 5250 to 5350 |
| | | | | | | 120 | 5320.060 | 5250 to 5350 |
| | | | | | | 138 | 5320.020 | 5250 to 5350 |
| | | | | | -30 | 120 | 5319.980 | 5250 to 5350 |
| | | | | | -20 | 120 | 5320.080 | 5250 to 5350 |
| | | | | | -10 | 120 | 5320.020 | 5250 to 5350 |
| | | | | | 0 | 120 | 5320.120 | 5250 to 5350 |
| | | | | | 10 | 120 | 5320.040 | 5250 to 5350 |
| | | | | | 30 | 120 | 5320.120 | 5250 to 5350 |
| | | | | | 40 | 120 | 5320.060 | 5250 to 5350 |
| | | | | | 50 | 120 | 5320.160 | 5250 to 5350 |
| | | 5500 | / | / | 20 | 102 | 5500.080 | 5470 to 5725 |
| | | | | | | 120 | 5500.040 | 5470 to 5725 |
| | | | | | | 138 | 5500.080 | 5470 to 5725 |
| | | | | | -30 | 120 | 5500.020 | 5470 to 5725 |
| | | | | | -20 | 120 | 5500.020 | 5470 to 5725 |
| | | | | | -10 | 120 | 5500.060 | 5470 to 5725 |



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| | | | | | | | |
|--|--|--|-----|-----|----------|--------------|------|
| | | | 0 | 120 | 5500.040 | 5470 to 5725 | Pass |
| | | | 10 | 120 | 5500.060 | 5470 to 5725 | Pass |
| | | | 30 | 120 | 5500.020 | 5470 to 5725 | Pass |
| | | | 40 | 120 | 5500.080 | 5470 to 5725 | Pass |
| | | | 50 | 120 | 5500.100 | 5470 to 5725 | Pass |
| | | | | 102 | 5580.120 | 5470 to 5725 | Pass |
| | | | 20 | 120 | 5580.080 | 5470 to 5725 | Pass |
| | | | | 138 | 5580.000 | 5470 to 5725 | Pass |
| | | | -30 | 120 | 5580.120 | 5470 to 5725 | Pass |
| | | | -20 | 120 | 5580.080 | 5470 to 5725 | Pass |
| | | | -10 | 120 | 5580.060 | 5470 to 5725 | Pass |
| | | | 0 | 120 | 5580.120 | 5470 to 5725 | Pass |
| | | | 10 | 120 | 5580.120 | 5470 to 5725 | Pass |
| | | | 30 | 120 | 5580.100 | 5470 to 5725 | Pass |
| | | | 40 | 120 | 5580.120 | 5470 to 5725 | Pass |
| | | | 50 | 120 | 5580.060 | 5470 to 5725 | Pass |
| | | | | 102 | 5700.060 | 5470 to 5725 | Pass |
| | | | 20 | 120 | 5700.120 | 5470 to 5725 | Pass |
| | | | | 138 | 5700.060 | 5470 to 5725 | Pass |
| | | | -30 | 120 | 5700.100 | 5470 to 5725 | Pass |
| | | | -20 | 120 | 5700.100 | 5470 to 5725 | Pass |
| | | | -10 | 120 | 5700.060 | 5470 to 5725 | Pass |
| | | | 0 | 120 | 5700.140 | 5470 to 5725 | Pass |
| | | | 10 | 120 | 5700.060 | 5470 to 5725 | Pass |
| | | | 30 | 120 | 5700.100 | 5470 to 5725 | Pass |
| | | | 40 | 120 | 5700.060 | 5470 to 5725 | Pass |
| | | | 50 | 120 | 5700.080 | 5470 to 5725 | Pass |
| | | | | 102 | 5745.080 | 5725 to 5850 | Pass |
| | | | 20 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | 138 | 5745.000 | 5725 to 5850 | Pass |
| | | | -30 | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | -20 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | -10 | 120 | 5745.060 | 5725 to 5850 | Pass |
| | | | 0 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | 10 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | 30 | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | 40 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | 50 | 120 | 5745.080 | 5725 to 5850 | Pass |
| | | | | 102 | 5785.120 | 5725 to 5850 | Pass |
| | | | 20 | 120 | 5785.060 | 5725 to 5850 | Pass |
| | | | | 138 | 5785.000 | 5725 to 5850 | Pass |



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| | | | | | | | | | | | | |
|------|----------|--------------|--------------|----------|--------------|--------------|----------|-------------------|----------|--------------|--------------|------|
| | | | | | -30 | 120 | 5784.960 | 5725 to 5850 | Pass | | | |
| | | | | | -20 | 120 | 5785.000 | 5725 to 5850 | Pass | | | |
| | | | | | -10 | 120 | 5785.060 | 5725 to 5850 | Pass | | | |
| | | | | | 0 | 120 | 5785.020 | 5725 to 5850 | Pass | | | |
| | | | | | 10 | 120 | 5785.080 | 5725 to 5850 | Pass | | | |
| | | | | | 30 | 120 | 5785.000 | 5725 to 5850 | Pass | | | |
| | | | | | 40 | 120 | 5785.040 | 5725 to 5850 | Pass | | | |
| | | | | | 50 | 120 | 5785.040 | 5725 to 5850 | Pass | | | |
| | | | | | 5825 | / | / | 102 | 5825.020 | 5725 to 5850 | Pass | |
| | | | | | | | | 20 | 120 | 5825.060 | 5725 to 5850 | Pass |
| | | | | | | | | 138 | 5825.040 | 5725 to 5850 | Pass | |
| | | | | | | | | -30 | 120 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | | | | -20 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | | | | -10 | 120 | 5825.060 | 5725 to 5850 | Pass |
| | | | | | | | | 0 | 120 | 5825.100 | 5725 to 5850 | Pass |
| | | | | | | | | 10 | 120 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | | | | 30 | 120 | 5825.060 | 5725 to 5850 | Pass |
| | | | | | | | | 40 | 120 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | | | | 50 | 120 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | | | | 802.11n (HT20) | MIMO | | | |
| 120 | 5180.100 | 5150 to 5250 | Pass | | | | | | | | | |
| 138 | 5180.080 | 5150 to 5250 | Pass | | | | | | | | | |
| -30 | 120 | 5180.100 | 5150 to 5250 | Pass | | | | | | | | |
| -20 | 120 | 5180.120 | 5150 to 5250 | Pass | | | | | | | | |
| -10 | 120 | 5180.040 | 5150 to 5250 | Pass | | | | | | | | |
| 0 | 120 | 5180.140 | 5150 to 5250 | Pass | | | | | | | | |
| 10 | 120 | 5180.180 | 5150 to 5250 | Pass | | | | | | | | |
| 30 | 120 | 5180.160 | 5150 to 5250 | Pass | | | | | | | | |
| 40 | 120 | 5180.180 | 5150 to 5250 | Pass | | | | | | | | |
| 50 | 120 | 5180.060 | 5150 to 5250 | Pass | | | | | | | | |
| 5200 | / | / | 20 | 102 | 5200.080 | 5150 to 5250 | Pass | | | | | |
| | | | 120 | 5200.100 | 5150 to 5250 | Pass | | | | | | |
| | | | 138 | 5200.180 | 5150 to 5250 | Pass | | | | | | |
| | | | -30 | 120 | 5200.080 | 5150 to 5250 | Pass | | | | | |
| | | | -20 | 120 | 5200.120 | 5150 to 5250 | Pass | | | | | |
| | | | -10 | 120 | 5200.080 | 5150 to 5250 | Pass | | | | | |
| | | | 0 | 120 | 5200.100 | 5150 to 5250 | Pass | | | | | |
| | | | 10 | 120 | 5200.060 | 5150 to 5250 | Pass | | | | | |
| | | | 30 | 120 | 5200.140 | 5150 to 5250 | Pass | | | | | |
| | | | 40 | 120 | 5200.140 | 5150 to 5250 | Pass | | | | | |
| 50 | 120 | 5200.020 | 5150 to 5250 | Pass | | | | | | | | |



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| | | | | | | | |
|------|----------|--------------|--------------|----------|--------------|--------------|------|
| 5240 | / | / | 20 | 102 | 5240.060 | 5150 to 5250 | Pass |
| | | | | 120 | 5240.060 | 5150 to 5250 | Pass |
| | | | | 138 | 5240.080 | 5150 to 5250 | Pass |
| | | | -30 | 120 | 5240.060 | 5150 to 5250 | Pass |
| | | | | | | | |
| | | | -10 | 120 | 5240.120 | 5150 to 5250 | Pass |
| | | | | | | | |
| | | | 10 | 120 | 5240.100 | 5150 to 5250 | Pass |
| | | | | | | | |
| | | | 40 | 120 | 5240.060 | 5150 to 5250 | Pass |
| 50 | 120 | 5240.060 | | | | | |
| | | | 5260 | / | / | 20 | 102 |
| 120 | 5260.080 | 5250 to 5350 | | | | | Pass |
| 138 | 5260.060 | 5250 to 5350 | | | | | Pass |
| -30 | 120 | 5260.100 | | | | 5250 to 5350 | Pass |
| | | | | | | | |
| -10 | 120 | 5260.080 | | | | 5250 to 5350 | Pass |
| | | | | | | | |
| 10 | 120 | 5260.120 | | | | 5250 to 5350 | Pass |
| | | | | | | | |
| 40 | 120 | 5260.060 | | | | 5250 to 5350 | Pass |
| | | | 50 | 120 | 5260.080 | | |
| 5300 | / | / | | | | 20 | 102 |
| | | | 120 | 5300.100 | 5250 to 5350 | | Pass |
| | | | 138 | 5300.080 | 5250 to 5350 | | Pass |
| | | | -30 | 120 | 5300.100 | 5250 to 5350 | Pass |
| | | | | | | | |
| | | | -10 | 120 | 5300.080 | 5250 to 5350 | Pass |
| | | | | | | | |
| | | | 10 | 120 | 5300.020 | 5250 to 5350 | Pass |
| | | | | | | | |
| | | | 40 | 120 | 5300.040 | 5250 to 5350 | Pass |
| 50 | 120 | 5300.080 | | | | | |
| | | | 5320 | / | / | 20 | 102 |
| 120 | 5320.100 | 5250 to 5350 | | | | | Pass |
| 138 | 5320.100 | 5250 to 5350 | | | | | Pass |
| -30 | 120 | 5320.080 | | | | 5250 to 5350 | Pass |
| | | | | | | | |
| -10 | 120 | 5320.080 | | | | 5250 to 5350 | Pass |
| | | | | | | | |
| 10 | 120 | 5320.000 | 5250 to 5350 | Pass | | | |



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| | | | | | | | | |
|--|--|--|--|-----|-----|----------|--------------|------|
| | | | | 30 | 120 | 5320.120 | 5250 to 5350 | Pass |
| | | | | 40 | 120 | 5320.100 | 5250 to 5350 | Pass |
| | | | | 50 | 120 | 5320.100 | 5250 to 5350 | Pass |
| | | | | 20 | 102 | 5500.060 | 5470 to 5725 | Pass |
| | | | | | 120 | 5500.100 | 5470 to 5725 | Pass |
| | | | | | 138 | 5500.080 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5500.160 | 5470 to 5725 | Pass |
| | | | | -20 | 120 | 5500.040 | 5470 to 5725 | Pass |
| | | | | -10 | 120 | 5500.060 | 5470 to 5725 | Pass |
| | | | | 0 | 120 | 5500.120 | 5470 to 5725 | Pass |
| | | | | 10 | 120 | 5500.060 | 5470 to 5725 | Pass |
| | | | | 30 | 120 | 5500.080 | 5470 to 5725 | Pass |
| | | | | 40 | 120 | 5500.080 | 5470 to 5725 | Pass |
| | | | | 50 | 120 | 5500.140 | 5470 to 5725 | Pass |
| | | | | 20 | 102 | 5580.040 | 5470 to 5725 | Pass |
| | | | | | 120 | 5580.060 | 5470 to 5725 | Pass |
| | | | | | 138 | 5580.100 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5580.200 | 5470 to 5725 | Pass |
| | | | | -20 | 120 | 5580.100 | 5470 to 5725 | Pass |
| | | | | -10 | 120 | 5580.100 | 5470 to 5725 | Pass |
| | | | | 0 | 120 | 5580.040 | 5470 to 5725 | Pass |
| | | | | 10 | 120 | 5580.040 | 5470 to 5725 | Pass |
| | | | | 30 | 120 | 5580.160 | 5470 to 5725 | Pass |
| | | | | 40 | 120 | 5580.040 | 5470 to 5725 | Pass |
| | | | | 50 | 120 | 5580.120 | 5470 to 5725 | Pass |
| | | | | 20 | 102 | 5700.080 | 5470 to 5725 | Pass |
| | | | | | 120 | 5700.100 | 5470 to 5725 | Pass |
| | | | | | 138 | 5700.100 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5700.060 | 5470 to 5725 | Pass |
| | | | | -20 | 120 | 5700.060 | 5470 to 5725 | Pass |
| | | | | -10 | 120 | 5700.100 | 5470 to 5725 | Pass |
| | | | | 0 | 120 | 5700.120 | 5470 to 5725 | Pass |
| | | | | 10 | 120 | 5700.020 | 5470 to 5725 | Pass |
| | | | | 30 | 120 | 5700.100 | 5470 to 5725 | Pass |
| | | | | 40 | 120 | 5700.160 | 5470 to 5725 | Pass |
| | | | | 50 | 120 | 5700.120 | 5470 to 5725 | Pass |
| | | | | 20 | 102 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | 138 | 5745.040 | 5725 to 5850 | Pass |
| | | | | -30 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | -20 | 120 | 5745.040 | 5725 to 5850 | Pass |



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| | | | | | | | | | | | |
|------|-----|-------------------|----------|--------------|----------|--------------|--------------|--------------|------|--------------|--------------|
| | | | | | -10 | 120 | 5745.020 | 5725 to 5850 | Pass | | |
| | | | | | 0 | 120 | 5745.080 | 5725 to 5850 | Pass | | |
| | | | | | 10 | 120 | 5745.100 | 5725 to 5850 | Pass | | |
| | | | | | 30 | 120 | 5745.080 | 5725 to 5850 | Pass | | |
| | | | | | 40 | 120 | 5745.060 | 5725 to 5850 | Pass | | |
| | | | | | 50 | 120 | 5745.100 | 5725 to 5850 | Pass | | |
| | | 5785 | / | / | 20 | 102 | 5785.040 | 5725 to 5850 | Pass | | |
| | | | | | | 120 | 5785.100 | 5725 to 5850 | Pass | | |
| | | | | | | 138 | 5785.160 | 5725 to 5850 | Pass | | |
| | | | | | -30 | 120 | 5785.040 | 5725 to 5850 | Pass | | |
| | | | | | -20 | 120 | 5785.120 | 5725 to 5850 | Pass | | |
| | | | | | -10 | 120 | 5785.060 | 5725 to 5850 | Pass | | |
| | | | | | 0 | 120 | 5785.140 | 5725 to 5850 | Pass | | |
| | | | | | 10 | 120 | 5785.080 | 5725 to 5850 | Pass | | |
| | | | | | 30 | 120 | 5785.120 | 5725 to 5850 | Pass | | |
| | | | | | 40 | 120 | 5785.120 | 5725 to 5850 | Pass | | |
| | | | | | 50 | 120 | 5785.120 | 5725 to 5850 | Pass | | |
| | | | | | 5825 | / | / | 20 | 102 | 5825.100 | 5725 to 5850 |
| | | 120 | 5825.120 | 5725 to 5850 | | | | | Pass | | |
| | | 138 | 5825.080 | 5725 to 5850 | | | | | Pass | | |
| | | -30 | 120 | 5825.100 | | | | 5725 to 5850 | Pass | | |
| | | -20 | 120 | 5825.180 | | | | 5725 to 5850 | Pass | | |
| | | -10 | 120 | 5825.160 | | | | 5725 to 5850 | Pass | | |
| | | 0 | 120 | 5825.120 | | | | 5725 to 5850 | Pass | | |
| | | 10 | 120 | 5825.080 | | | | 5725 to 5850 | Pass | | |
| | | 30 | 120 | 5825.160 | | | | 5725 to 5850 | Pass | | |
| | | 40 | 120 | 5825.040 | | | | 5725 to 5850 | Pass | | |
| | | 50 | 120 | 5825.100 | | | | 5725 to 5850 | Pass | | |
| | | 802.11n (HT40) | MIMO | 5190 | | | | / | / | 20 | 102 |
| | | | | | 120 | 5190.200 | 5150 to 5250 | | | | Pass |
| | | | | | 138 | 5190.160 | 5150 to 5250 | | | | Pass |
| | | | | | -30 | 120 | 5190.160 | | | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5190.160 | | | 5150 to 5250 | Pass |
| -10 | 120 | | | | 5190.200 | 5150 to 5250 | Pass | | | | |
| 0 | 120 | | | | 5190.160 | 5150 to 5250 | Pass | | | | |
| 10 | 120 | | | | 5190.160 | 5150 to 5250 | Pass | | | | |
| 30 | 120 | | | | 5190.160 | 5150 to 5250 | Pass | | | | |
| 40 | 120 | | | | 5190.160 | 5150 to 5250 | Pass | | | | |
| 50 | 120 | | | | 5190.120 | 5150 to 5250 | Pass | | | | |
| 5230 | / | | | | / | 20 | 102 | | | 5230.160 | 5150 to 5250 |
| | | | | 120 | | | 5230.160 | 5150 to 5250 | Pass | | |



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| | | | | | | | | |
|--|--|------|---|---|-----|----------|--------------|--------------|
| | | | | | 138 | 5230.120 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5230.160 | 5150 to 5250 |
| | | | | | -20 | 120 | 5230.200 | 5150 to 5250 |
| | | | | | -10 | 120 | 5230.120 | 5150 to 5250 |
| | | | | | 0 | 120 | 5230.160 | 5150 to 5250 |
| | | | | | 10 | 120 | 5230.120 | 5150 to 5250 |
| | | | | | 30 | 120 | 5230.120 | 5150 to 5250 |
| | | | | | 40 | 120 | 5230.160 | 5150 to 5250 |
| | | | | | 50 | 120 | 5230.160 | 5150 to 5250 |
| | | 5270 | / | / | | 102 | 5270.120 | 5250 to 5350 |
| | | | | | 20 | 120 | 5270.160 | 5250 to 5350 |
| | | | | | | 138 | 5270.200 | 5250 to 5350 |
| | | | | | -30 | 120 | 5270.120 | 5250 to 5350 |
| | | | | | -20 | 120 | 5270.120 | 5250 to 5350 |
| | | | | | -10 | 120 | 5270.160 | 5250 to 5350 |
| | | | | | 0 | 120 | 5270.120 | 5250 to 5350 |
| | | | | | 10 | 120 | 5270.120 | 5250 to 5350 |
| | | | | | 30 | 120 | 5270.160 | 5250 to 5350 |
| | | | | | 40 | 120 | 5270.160 | 5250 to 5350 |
| | | | | | 50 | 120 | 5270.080 | 5250 to 5350 |
| | | 5310 | / | / | | 102 | 5310.160 | 5250 to 5350 |
| | | | | | 20 | 120 | 5310.120 | 5250 to 5350 |
| | | | | | | 138 | 5310.120 | 5250 to 5350 |
| | | | | | -30 | 120 | 5310.160 | 5250 to 5350 |
| | | | | | -20 | 120 | 5310.120 | 5250 to 5350 |
| | | | | | -10 | 120 | 5310.080 | 5250 to 5350 |
| | | | | | 0 | 120 | 5310.040 | 5250 to 5350 |
| | | | | | 10 | 120 | 5310.080 | 5250 to 5350 |
| | | | | | 30 | 120 | 5310.120 | 5250 to 5350 |
| | | | | | 40 | 120 | 5310.080 | 5250 to 5350 |
| | | | | | 50 | 120 | 5310.120 | 5250 to 5350 |
| | | 5510 | / | / | | 102 | 5510.160 | 5470 to 5725 |
| | | | | | 20 | 120 | 5510.120 | 5470 to 5725 |
| | | | | | | 138 | 5510.120 | 5470 to 5725 |
| | | | | | -30 | 120 | 5510.120 | 5470 to 5725 |
| | | | | | -20 | 120 | 5510.120 | 5470 to 5725 |
| | | | | | -10 | 120 | 5510.160 | 5470 to 5725 |
| | | | | | 0 | 120 | 5510.160 | 5470 to 5725 |
| | | | | | 10 | 120 | 5510.160 | 5470 to 5725 |
| | | | | | 30 | 120 | 5510.120 | 5470 to 5725 |
| | | | | | 40 | 120 | 5510.200 | 5470 to 5725 |



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| | | | | | | | | |
|-----|----------|--------------|--------------|-----|----------|--------------|--------------|------|
| | 5550 | / | / | 50 | 120 | 5510.200 | 5470 to 5725 | Pass |
| | | | | 20 | 102 | 5550.160 | 5470 to 5725 | Pass |
| | | | | | 120 | 5550.200 | 5470 to 5725 | Pass |
| | | | | | 138 | 5550.160 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5550.200 | 5470 to 5725 | Pass |
| | | | | -20 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | | -10 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | | 0 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | | 10 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | | 30 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | | 40 | 120 | 5550.200 | 5470 to 5725 | Pass |
| | | | | 50 | 120 | 5550.120 | 5470 to 5725 | Pass |
| | 5670 | / | / | 20 | 102 | 5670.120 | 5470 to 5725 | Pass |
| | | | | | 120 | 5670.160 | 5470 to 5725 | Pass |
| | | | | | 138 | 5670.160 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5670.120 | 5470 to 5725 | Pass |
| | | | | -20 | 120 | 5670.120 | 5470 to 5725 | Pass |
| | | | | -10 | 120 | 5670.160 | 5470 to 5725 | Pass |
| | | | | 0 | 120 | 5670.200 | 5470 to 5725 | Pass |
| | | | | 10 | 120 | 5670.200 | 5470 to 5725 | Pass |
| | | | | 30 | 120 | 5670.160 | 5470 to 5725 | Pass |
| | | | | 40 | 120 | 5670.160 | 5470 to 5725 | Pass |
| | | | | 50 | 120 | 5670.160 | 5470 to 5725 | Pass |
| | | | | | 5755 | / | / | 20 |
| 120 | 5755.040 | 5725 to 5850 | Pass | | | | | |
| 138 | 5755.120 | 5725 to 5850 | Pass | | | | | |
| -30 | 120 | 5755.200 | 5725 to 5850 | | | | | Pass |
| -20 | 120 | 5755.160 | 5725 to 5850 | | | | | Pass |
| -10 | 120 | 5755.120 | 5725 to 5850 | | | | | Pass |
| 0 | 120 | 5755.160 | 5725 to 5850 | | | | | Pass |
| 10 | 120 | 5755.160 | 5725 to 5850 | | | | | Pass |
| 30 | 120 | 5755.120 | 5725 to 5850 | | | | | Pass |
| 40 | 120 | 5755.120 | 5725 to 5850 | | | | | Pass |
| 50 | 120 | 5755.120 | 5725 to 5850 | | | | | Pass |
| | 5795 | / | / | | | | | 20 |
| | | | | 120 | 5795.160 | 5725 to 5850 | Pass | |
| | | | | 138 | 5795.160 | 5725 to 5850 | Pass | |
| | | | | -30 | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | -20 | 120 | 5795.160 | 5725 to 5850 | Pass |
| | | | | -10 | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | 0 | 120 | 5795.120 | 5725 to 5850 | Pass |



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| | | | | | | | | | | |
|---------------------|------|----------|--------------|--------------|------|----------|--------------|--------------|--------------|--------------|
| | | | | | 10 | 120 | 5795.160 | 5725 to 5850 | Pass | |
| | | | | | 30 | 120 | 5795.200 | 5725 to 5850 | Pass | |
| | | | | | 40 | 120 | 5795.160 | 5725 to 5850 | Pass | |
| | | | | | 50 | 120 | 5795.160 | 5725 to 5850 | Pass | |
| 802.11ac (VHT20) | MIMO | 5180 | / | / | 20 | 102 | 5180.160 | 5150 to 5250 | Pass | |
| | | | | | | 120 | 5180.120 | 5150 to 5250 | Pass | |
| | | | | | | 138 | 5180.120 | 5150 to 5250 | Pass | |
| | | | | | -30 | 120 | 5180.100 | 5150 to 5250 | Pass | |
| | | | | | | -20 | 120 | 5180.100 | 5150 to 5250 | Pass |
| | | | | | | | -10 | 120 | 5180.140 | 5150 to 5250 |
| | | | | | 0 | 120 | 5180.100 | 5150 to 5250 | Pass | |
| | | | | | | 10 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | | 30 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | | 40 | 120 | 5180.100 | 5150 to 5250 | Pass |
| | | | | | | 50 | 120 | 5180.120 | 5150 to 5250 | Pass |
| | | | | | 5200 | / | / | 20 | 102 | 5200.120 |
| | | 120 | 5200.120 | 5150 to 5250 | | | | | Pass | |
| | | 138 | 5200.100 | 5150 to 5250 | | | | | Pass | |
| | | -30 | 120 | 5200.100 | | | | 5150 to 5250 | Pass | |
| | | | -20 | 120 | | | | 5200.140 | 5150 to 5250 | Pass |
| | | | | -10 | | | | 120 | 5200.140 | 5150 to 5250 |
| | | 0 | 120 | 5200.120 | | | | 5150 to 5250 | Pass | |
| | | | 10 | 120 | | | | 5200.120 | 5150 to 5250 | Pass |
| | | | 30 | 120 | | | | 5200.100 | 5150 to 5250 | Pass |
| | | | 40 | 120 | | | | 5200.140 | 5150 to 5250 | Pass |
| | | | 50 | 120 | | | | 5200.140 | 5150 to 5250 | Pass |
| | | 5240 | / | / | | | | 20 | 102 | 5240.040 |
| | | | | | 120 | 5240.060 | 5150 to 5250 | | Pass | |
| | | | | | 138 | 5240.040 | 5150 to 5250 | | Pass | |
| | | | | | -30 | 120 | 5240.060 | 5150 to 5250 | Pass | |
| | | | | | | -20 | 120 | 5240.100 | 5150 to 5250 | Pass |
| | | | | | | | -10 | 120 | 5240.140 | 5150 to 5250 |
| | | | | | 0 | 120 | 5240.100 | 5150 to 5250 | Pass | |
| | | | | | | 10 | 120 | 5240.060 | 5150 to 5250 | Pass |
| | | | | | | 30 | 120 | 5240.100 | 5150 to 5250 | Pass |
| | | | | | | 40 | 120 | 5240.100 | 5150 to 5250 | Pass |
| | | | | | | 50 | 120 | 5240.040 | 5150 to 5250 | Pass |
| | | | | | 5260 | / | / | 20 | 102 | 5260.100 |
| | | 120 | 5260.080 | 5250 to 5350 | | | | | Pass | |
| | | 138 | 5260.020 | 5250 to 5350 | | | | | Pass | |
| -30 | 120 | 5260.020 | 5250 to 5350 | Pass | | | | | | |



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| | | | | | | | | | |
|--|--|------|---|-----|-----|----------|--------------|--------------|------|
| | | | | -20 | 120 | 5260.100 | 5250 to 5350 | Pass | |
| | | | | -10 | 120 | 5260.100 | 5250 to 5350 | Pass | |
| | | | | 0 | 120 | 5260.100 | 5250 to 5350 | Pass | |
| | | | | 10 | 120 | 5260.040 | 5250 to 5350 | Pass | |
| | | | | 30 | 120 | 5260.020 | 5250 to 5350 | Pass | |
| | | | | 40 | 120 | 5260.040 | 5250 to 5350 | Pass | |
| | | | | 50 | 120 | 5260.040 | 5250 to 5350 | Pass | |
| | | 5300 | / | / | 20 | 102 | 5300.000 | 5250 to 5350 | Pass |
| | | | | | | 120 | 5300.100 | 5250 to 5350 | Pass |
| | | | | | | 138 | 5300.060 | 5250 to 5350 | Pass |
| | | | | -30 | 120 | 5300.120 | 5250 to 5350 | Pass | |
| | | | | -20 | 120 | 5299.960 | 5250 to 5350 | Pass | |
| | | | | -10 | 120 | 5300.040 | 5250 to 5350 | Pass | |
| | | | | 0 | 120 | 5300.060 | 5250 to 5350 | Pass | |
| | | | | 10 | 120 | 5300.000 | 5250 to 5350 | Pass | |
| | | | | 30 | 120 | 5300.060 | 5250 to 5350 | Pass | |
| | | | | 40 | 120 | 5299.980 | 5250 to 5350 | Pass | |
| | | | | 50 | 120 | 5300.000 | 5250 to 5350 | Pass | |
| | | 5320 | / | / | 20 | 102 | 5320.020 | 5250 to 5350 | Pass |
| | | | | | | 120 | 5320.060 | 5250 to 5350 | Pass |
| | | | | | | 138 | 5320.000 | 5250 to 5350 | Pass |
| | | | | -30 | 120 | 5320.020 | 5250 to 5350 | Pass | |
| | | | | -20 | 120 | 5320.020 | 5250 to 5350 | Pass | |
| | | | | -10 | 120 | 5320.020 | 5250 to 5350 | Pass | |
| | | | | 0 | 120 | 5320.040 | 5250 to 5350 | Pass | |
| | | | | 10 | 120 | 5320.000 | 5250 to 5350 | Pass | |
| | | | | 30 | 120 | 5320.020 | 5250 to 5350 | Pass | |
| | | | | 40 | 120 | 5319.980 | 5250 to 5350 | Pass | |
| | | | | 50 | 120 | 5320.060 | 5250 to 5350 | Pass | |
| | | 5500 | / | / | 20 | 102 | 5500.060 | 5470 to 5725 | Pass |
| | | | | | | 120 | 5500.020 | 5470 to 5725 | Pass |
| | | | | | | 138 | 5500.060 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5500.060 | 5470 to 5725 | Pass | |
| | | | | -20 | 120 | 5500.100 | 5470 to 5725 | Pass | |
| | | | | -10 | 120 | 5500.060 | 5470 to 5725 | Pass | |
| | | | | 0 | 120 | 5500.060 | 5470 to 5725 | Pass | |
| | | | | 10 | 120 | 5500.060 | 5470 to 5725 | Pass | |
| | | | | 30 | 120 | 5500.120 | 5470 to 5725 | Pass | |
| | | | | 40 | 120 | 5500.020 | 5470 to 5725 | Pass | |
| | | | | 50 | 120 | 5500.080 | 5470 to 5725 | Pass | |
| | | 5580 | / | / | 20 | 102 | 5580.120 | 5470 to 5725 | Pass |



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| | | | | | | | | | |
|--|--|------|---|-----|-----|----------|--------------|--------------|------|
| | | | | | 120 | 5580.120 | 5470 to 5725 | Pass | |
| | | | | | 138 | 5580.160 | 5470 to 5725 | Pass | |
| | | | | -30 | 120 | 5580.080 | 5470 to 5725 | Pass | |
| | | | | -20 | 120 | 5580.100 | 5470 to 5725 | Pass | |
| | | | | -10 | 120 | 5580.080 | 5470 to 5725 | Pass | |
| | | | | 0 | 120 | 5580.040 | 5470 to 5725 | Pass | |
| | | | | 10 | 120 | 5580.060 | 5470 to 5725 | Pass | |
| | | | | 30 | 120 | 5580.040 | 5470 to 5725 | Pass | |
| | | | | 40 | 120 | 5580.020 | 5470 to 5725 | Pass | |
| | | | | 50 | 120 | 5580.080 | 5470 to 5725 | Pass | |
| | | 5700 | / | / | 20 | 102 | 5700.100 | 5470 to 5725 | Pass |
| | | | | | | 120 | 5700.120 | 5470 to 5725 | Pass |
| | | | | | | 138 | 5700.100 | 5470 to 5725 | Pass |
| | | | | -30 | 120 | 5700.080 | 5470 to 5725 | Pass | |
| | | | | -20 | 120 | 5700.060 | 5470 to 5725 | Pass | |
| | | | | -10 | 120 | 5700.020 | 5470 to 5725 | Pass | |
| | | | | 0 | 120 | 5700.100 | 5470 to 5725 | Pass | |
| | | | | 10 | 120 | 5700.060 | 5470 to 5725 | Pass | |
| | | | | 30 | 120 | 5700.120 | 5470 to 5725 | Pass | |
| | | | | 40 | 120 | 5700.120 | 5470 to 5725 | Pass | |
| | | | | 50 | 120 | 5700.100 | 5470 to 5725 | Pass | |
| | | 5745 | / | / | 20 | 102 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5745.120 | 5725 to 5850 | Pass |
| | | | | -30 | 120 | 5745.100 | 5725 to 5850 | Pass | |
| | | | | -20 | 120 | 5745.140 | 5725 to 5850 | Pass | |
| | | | | -10 | 120 | 5745.120 | 5725 to 5850 | Pass | |
| | | | | 0 | 120 | 5745.080 | 5725 to 5850 | Pass | |
| | | | | 10 | 120 | 5745.100 | 5725 to 5850 | Pass | |
| | | | | 30 | 120 | 5745.100 | 5725 to 5850 | Pass | |
| | | | | 40 | 120 | 5745.020 | 5725 to 5850 | Pass | |
| | | | | 50 | 120 | 5745.060 | 5725 to 5850 | Pass | |
| | | 5785 | / | / | 20 | 102 | 5785.080 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5785.100 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5785.120 | 5725 to 5850 | Pass |
| | | | | -30 | 120 | 5785.100 | 5725 to 5850 | Pass | |
| | | | | -20 | 120 | 5785.100 | 5725 to 5850 | Pass | |
| | | | | -10 | 120 | 5785.100 | 5725 to 5850 | Pass | |
| | | | | 0 | 120 | 5785.100 | 5725 to 5850 | Pass | |
| | | | | 10 | 120 | 5785.100 | 5725 to 5850 | Pass | |
| | | | | 30 | 120 | 5785.040 | 5725 to 5850 | Pass | |



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| | | | | | | | | | | | | |
|------|----------|--------------|--------------|------|---------------------|------|----------|--------------|------|----------|--------------|----------|
| | | 5825 | / | / | 40 | 120 | 5785.100 | 5725 to 5850 | Pass | | | |
| | | | | | 50 | 120 | 5785.100 | 5725 to 5850 | Pass | | | |
| | | | | | 20 | 102 | 5825.080 | 5725 to 5850 | Pass | | | |
| | | | | | | 120 | 5825.140 | 5725 to 5850 | Pass | | | |
| | | | | | | 138 | 5825.140 | 5725 to 5850 | Pass | | | |
| | | | | | -30 | 120 | 5825.120 | 5725 to 5850 | Pass | | | |
| | | | | | -20 | 120 | 5825.120 | 5725 to 5850 | Pass | | | |
| | | | | | -10 | 120 | 5825.120 | 5725 to 5850 | Pass | | | |
| | | | | | 0 | 120 | 5825.140 | 5725 to 5850 | Pass | | | |
| | | | | | 10 | 120 | 5825.140 | 5725 to 5850 | Pass | | | |
| | | | | | 30 | 120 | 5825.100 | 5725 to 5850 | Pass | | | |
| | | | | | 40 | 120 | 5825.140 | 5725 to 5850 | Pass | | | |
| | | | | | 50 | 120 | 5825.180 | 5725 to 5850 | Pass | | | |
| | | | | | 802.11ac (VHT40) | MIMO | 5190 | / | / | 20 | 102 | 5190.120 |
| 120 | 5190.120 | 5150 to 5250 | Pass | | | | | | | | | |
| 138 | 5190.080 | 5150 to 5250 | Pass | | | | | | | | | |
| -30 | 120 | 5190.120 | 5150 to 5250 | Pass | | | | | | | | |
| -20 | 120 | 5190.080 | 5150 to 5250 | Pass | | | | | | | | |
| -10 | 120 | 5190.040 | 5150 to 5250 | Pass | | | | | | | | |
| 0 | 120 | 5190.160 | 5150 to 5250 | Pass | | | | | | | | |
| 10 | 120 | 5190.080 | 5150 to 5250 | Pass | | | | | | | | |
| 30 | 120 | 5190.080 | 5150 to 5250 | Pass | | | | | | | | |
| 40 | 120 | 5190.160 | 5150 to 5250 | Pass | | | | | | | | |
| 50 | 120 | 5190.080 | 5150 to 5250 | Pass | | | | | | | | |
| 5230 | / | / | 20 | 102 | | | | | | 5230.120 | 5150 to 5250 | Pass |
| | | | | 120 | | | | | | 5230.080 | 5150 to 5250 | Pass |
| | | | | 138 | | | | | | 5230.080 | 5150 to 5250 | Pass |
| | | | -30 | 120 | | | 5230.040 | 5150 to 5250 | Pass | | | |
| | | | -20 | 120 | | | 5230.120 | 5150 to 5250 | Pass | | | |
| | | | -10 | 120 | | | 5230.040 | 5150 to 5250 | Pass | | | |
| | | | 0 | 120 | | | 5230.120 | 5150 to 5250 | Pass | | | |
| | | | 10 | 120 | | | 5230.120 | 5150 to 5250 | Pass | | | |
| | | | 30 | 120 | | | 5230.080 | 5150 to 5250 | Pass | | | |
| | | | 40 | 120 | | | 5230.120 | 5150 to 5250 | Pass | | | |
| | | | 50 | 120 | | | 5230.080 | 5150 to 5250 | Pass | | | |
| | | | 5270 | / | | | / | 20 | 102 | 5270.120 | 5250 to 5350 | Pass |
| | | | | | | | | | 120 | 5270.120 | 5250 to 5350 | Pass |
| | | | | | | | | | 138 | 5270.120 | 5250 to 5350 | Pass |
| -30 | 120 | 5270.080 | | | | | | 5250 to 5350 | Pass | | | |
| -20 | 120 | 5270.120 | | | | | | 5250 to 5350 | Pass | | | |
| -10 | 120 | 5270.080 | | | | | | 5250 to 5350 | Pass | | | |



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| | | | | | | | |
|--|--|--|-----|-----|----------|--------------|------|
| | | | 0 | 120 | 5270.080 | 5250 to 5350 | Pass |
| | | | 10 | 120 | 5270.080 | 5250 to 5350 | Pass |
| | | | 30 | 120 | 5270.120 | 5250 to 5350 | Pass |
| | | | 40 | 120 | 5270.120 | 5250 to 5350 | Pass |
| | | | 50 | 120 | 5270.120 | 5250 to 5350 | Pass |
| | | | | 102 | 5310.080 | 5250 to 5350 | Pass |
| | | | 20 | 120 | 5310.120 | 5250 to 5350 | Pass |
| | | | | 138 | 5310.160 | 5250 to 5350 | Pass |
| | | | -30 | 120 | 5310.120 | 5250 to 5350 | Pass |
| | | | -20 | 120 | 5310.160 | 5250 to 5350 | Pass |
| | | | -10 | 120 | 5310.080 | 5250 to 5350 | Pass |
| | | | 0 | 120 | 5310.080 | 5250 to 5350 | Pass |
| | | | 10 | 120 | 5310.120 | 5250 to 5350 | Pass |
| | | | 30 | 120 | 5310.080 | 5250 to 5350 | Pass |
| | | | 40 | 120 | 5310.120 | 5250 to 5350 | Pass |
| | | | 50 | 120 | 5310.040 | 5250 to 5350 | Pass |
| | | | | 102 | 5510.120 | 5470 to 5725 | Pass |
| | | | 20 | 120 | 5510.200 | 5470 to 5725 | Pass |
| | | | | 138 | 5510.120 | 5470 to 5725 | Pass |
| | | | -30 | 120 | 5510.160 | 5470 to 5725 | Pass |
| | | | -20 | 120 | 5510.120 | 5470 to 5725 | Pass |
| | | | -10 | 120 | 5510.120 | 5470 to 5725 | Pass |
| | | | 0 | 120 | 5510.160 | 5470 to 5725 | Pass |
| | | | 10 | 120 | 5510.160 | 5470 to 5725 | Pass |
| | | | 30 | 120 | 5510.120 | 5470 to 5725 | Pass |
| | | | 40 | 120 | 5510.160 | 5470 to 5725 | Pass |
| | | | 50 | 120 | 5510.200 | 5470 to 5725 | Pass |
| | | | | 102 | 5550.200 | 5470 to 5725 | Pass |
| | | | 20 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | | 138 | 5550.080 | 5470 to 5725 | Pass |
| | | | -30 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | -20 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | -10 | 120 | 5550.200 | 5470 to 5725 | Pass |
| | | | 0 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | 10 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | 30 | 120 | 5550.120 | 5470 to 5725 | Pass |
| | | | 40 | 120 | 5550.160 | 5470 to 5725 | Pass |
| | | | 50 | 120 | 5550.120 | 5470 to 5725 | Pass |
| | | | | 102 | 5670.160 | 5470 to 5725 | Pass |
| | | | 20 | 120 | 5670.160 | 5470 to 5725 | Pass |
| | | | | 138 | 5670.200 | 5470 to 5725 | Pass |



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| | | | | | | | | | | | | | | |
|---------------------|------|------|---|---|------|-----|----------|--------------|--------------|----------|--------------|----------|--------------|--------------|
| | | | | | -30 | 120 | 5670.120 | 5470 to 5725 | Pass | | | | | |
| | | | | | -20 | 120 | 5670.160 | 5470 to 5725 | Pass | | | | | |
| | | | | | -10 | 120 | 5670.120 | 5470 to 5725 | Pass | | | | | |
| | | | | | 0 | 120 | 5670.120 | 5470 to 5725 | Pass | | | | | |
| | | | | | 10 | 120 | 5670.160 | 5470 to 5725 | Pass | | | | | |
| | | | | | 30 | 120 | 5670.080 | 5470 to 5725 | Pass | | | | | |
| | | | | | 40 | 120 | 5670.160 | 5470 to 5725 | Pass | | | | | |
| | | | | | 50 | 120 | 5670.160 | 5470 to 5725 | Pass | | | | | |
| | | 5755 | / | / | 20 | 102 | 5755.120 | 5725 to 5850 | Pass | | | | | |
| | | | | | | | | | 120 | 5755.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | | 138 | 5755.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | -30 | 120 | 5755.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | -20 | 120 | 5755.080 | 5725 to 5850 | Pass | | |
| | | | | | | | | -10 | 120 | 5755.160 | 5725 to 5850 | Pass | | |
| | | | | | | | | 0 | 120 | 5755.200 | 5725 to 5850 | Pass | | |
| | | | | | | | | 10 | 120 | 5755.160 | 5725 to 5850 | Pass | | |
| | | | | | | | | 30 | 120 | 5755.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | 40 | 120 | 5755.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | 50 | 120 | 5755.160 | 5725 to 5850 | Pass | | |
| | | | | | 5795 | / | / | 20 | 102 | 5795.080 | 5725 to 5850 | Pass | | |
| | | | | | | | | | | | | 120 | 5795.120 | 5725 to 5850 |
| | | | | | | | | | 138 | 5795.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | -30 | 120 | 5795.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | -20 | 120 | 5795.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | -10 | 120 | 5795.160 | 5725 to 5850 | Pass | | |
| | | | | | | | | 0 | 120 | 5795.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | 10 | 120 | 5795.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | 30 | 120 | 5795.120 | 5725 to 5850 | Pass | | |
| | | | | | | | | 40 | 120 | 5795.080 | 5725 to 5850 | Pass | | |
| | | | | | 50 | 120 | 5795.160 | 5725 to 5850 | Pass | | | | | |
| 802.11ac (VHT80) | MIMO | 5210 | / | / | 20 | 102 | 5210.150 | 5150 to 5250 | Pass | | | | | |
| | | | | | | | 120 | 5210.075 | 5150 to 5250 | Pass | | | | |
| | | | | | | | 138 | 5210.150 | 5150 to 5250 | Pass | | | | |
| | | | | | | | | | | -30 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | -20 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | -10 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | 0 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | 10 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | 30 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | 40 | 120 | 5210.150 | 5150 to 5250 | Pass |
| | | | | | | | | | | 50 | 120 | 5210.150 | 5150 to 5250 | Pass |



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| | | | | | | | |
|------|----------|--------------|--------------|----------|--------------|--------------|------|
| 5290 | / | / | 20 | 102 | 5290.150 | 5250 to 5350 | Pass |
| | | | | 120 | 5290.150 | 5250 to 5350 | Pass |
| | | | | 138 | 5290.075 | 5250 to 5350 | Pass |
| | | | -30 | 120 | 5290.150 | 5250 to 5350 | Pass |
| | | | | | | | |
| | | | -10 | 120 | 5290.000 | 5250 to 5350 | Pass |
| | | | | | | | |
| | | | 10 | 120 | 5290.075 | 5250 to 5350 | Pass |
| | | | | | | | |
| | | | 40 | 120 | 5290.150 | 5250 to 5350 | Pass |
| 50 | 120 | 5290.075 | | | | | |
| | | | 5530 | / | / | 20 | 102 |
| 120 | 5530.225 | 5470 to 5725 | | | | | Pass |
| 138 | 5530.225 | 5470 to 5725 | | | | | Pass |
| -30 | 120 | 5530.225 | | | | 5470 to 5725 | Pass |
| | | | | | | | |
| -10 | 120 | 5530.225 | | | | 5470 to 5725 | Pass |
| | | | | | | | |
| 10 | 120 | 5530.225 | | | | 5470 to 5725 | Pass |
| | | | | | | | |
| 40 | 120 | 5530.150 | | | | 5470 to 5725 | Pass |
| | | | 50 | 120 | 5530.075 | | |
| 5610 | / | / | | | | 20 | 102 |
| | | | 120 | 5610.225 | 5470 to 5725 | | Pass |
| | | | 138 | 5610.150 | 5470 to 5725 | | Pass |
| | | | -30 | 120 | 5610.300 | 5470 to 5725 | Pass |
| | | | | | | | |
| | | | -10 | 120 | 5610.225 | 5470 to 5725 | Pass |
| | | | | | | | |
| | | | 10 | 120 | 5610.150 | 5470 to 5725 | Pass |
| | | | | | | | |
| | | | 40 | 120 | 5610.300 | 5470 to 5725 | Pass |
| 50 | 120 | 5610.225 | | | | | |
| | | | 5775 | / | / | 20 | 102 |
| 120 | 5775.150 | 5725 to 5850 | | | | | Pass |
| 138 | 5775.075 | 5725 to 5850 | | | | | Pass |
| -30 | 120 | 5775.150 | | | | 5725 to 5850 | Pass |
| | | | | | | | |
| -10 | 120 | 5775.150 | | | | 5725 to 5850 | Pass |
| | | | | | | | |
| 10 | 120 | 5775.150 | 5725 to 5850 | Pass | | | |



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| | | | | | | | | |
|--|--|--|--|----|-----|----------|--------------|------|
| | | | | 30 | 120 | 5775.150 | 5725 to 5850 | Pass |
| | | | | 40 | 120 | 5775.075 | 5725 to 5850 | Pass |
| | | | | 50 | 120 | 5775.150 | 5725 to 5850 | Pass |

- End of the Report -



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