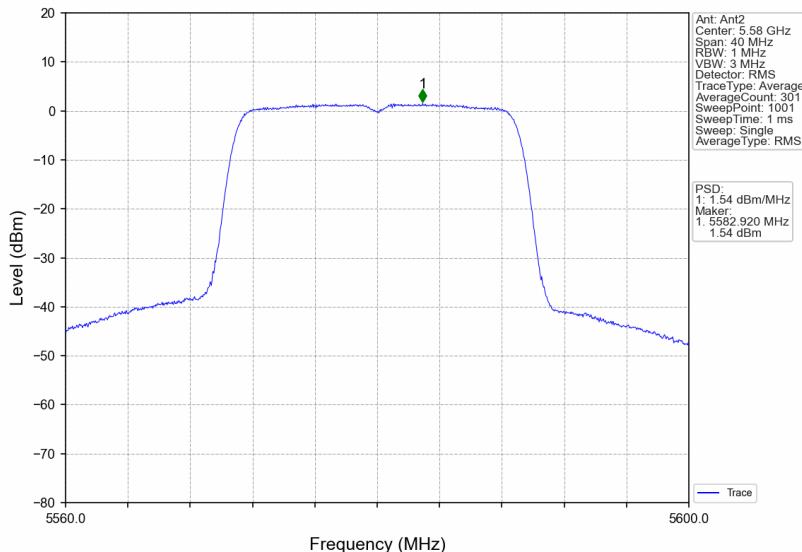


802.11ac(VHT20)\_MCH\_5580MHz\_Ant2\_NTNV



802.11ac(VHT20)\_MCH\_5580MHz\_MIMO\_NTNV



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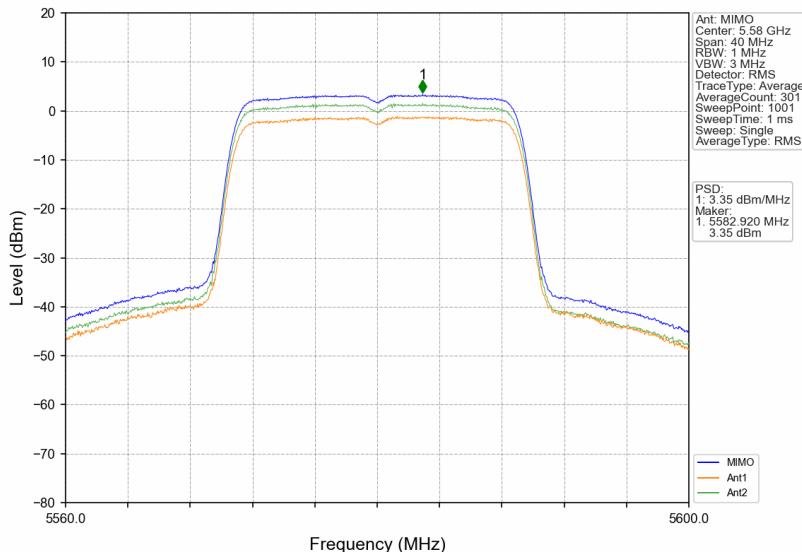
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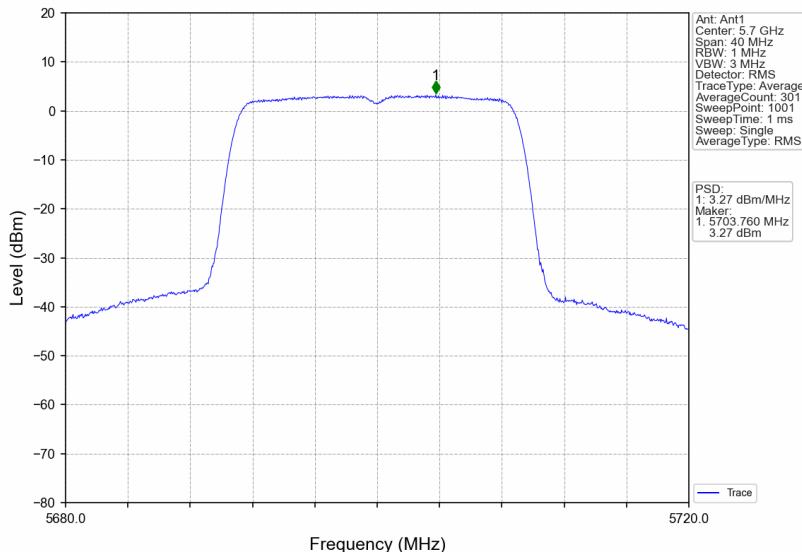
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802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV

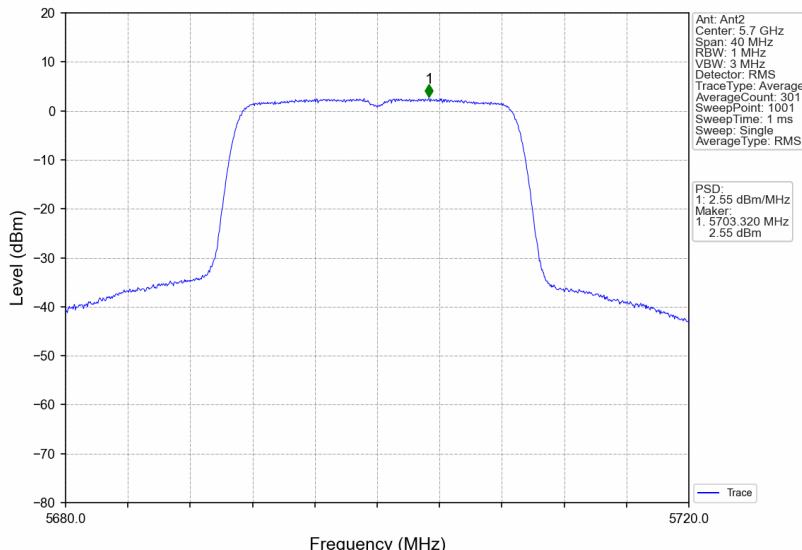


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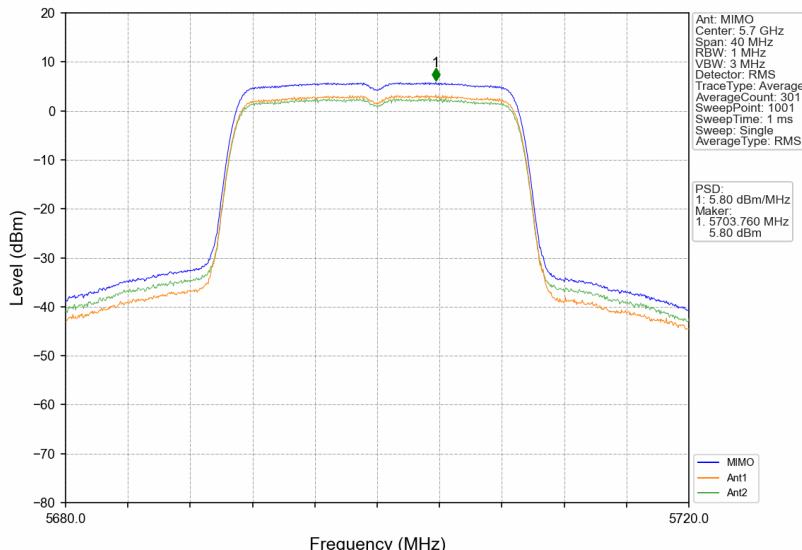
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802.11ac(VHT20)\_HCH\_5700MHz\_MIMO\_NTNV

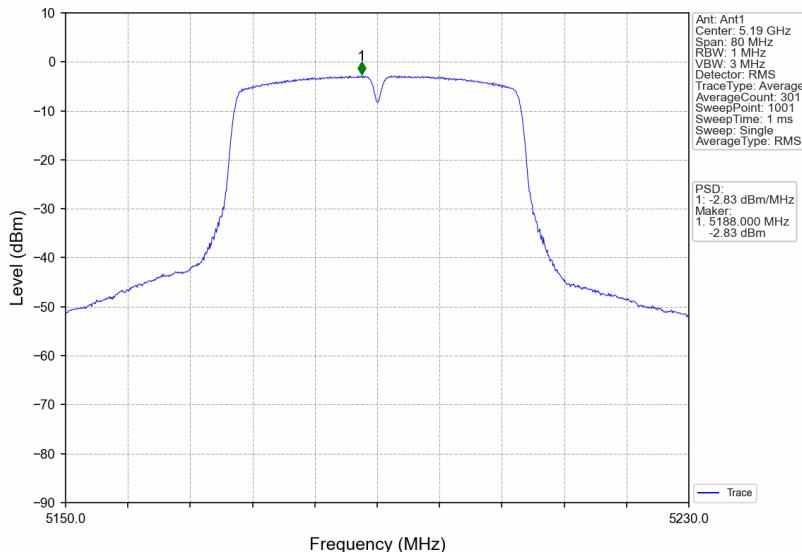


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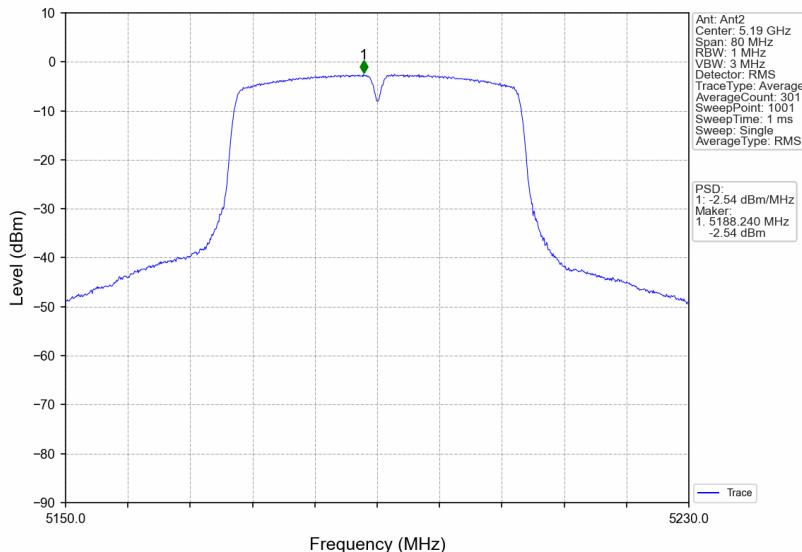
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV

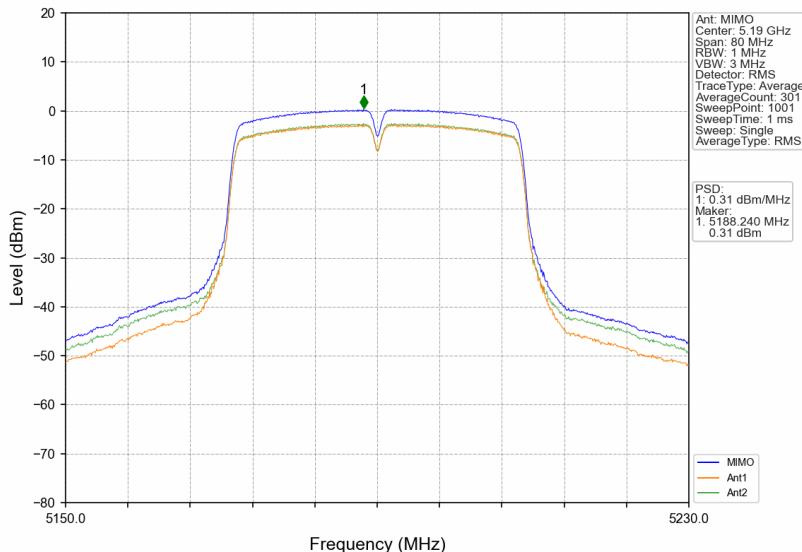


802.11ac(VHT40)\_LCH\_5190MHz\_MIMO\_NTNV

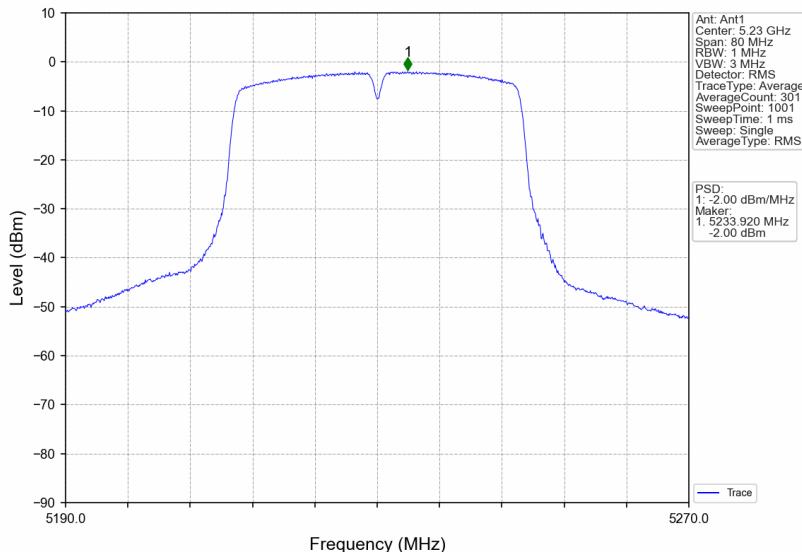
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



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

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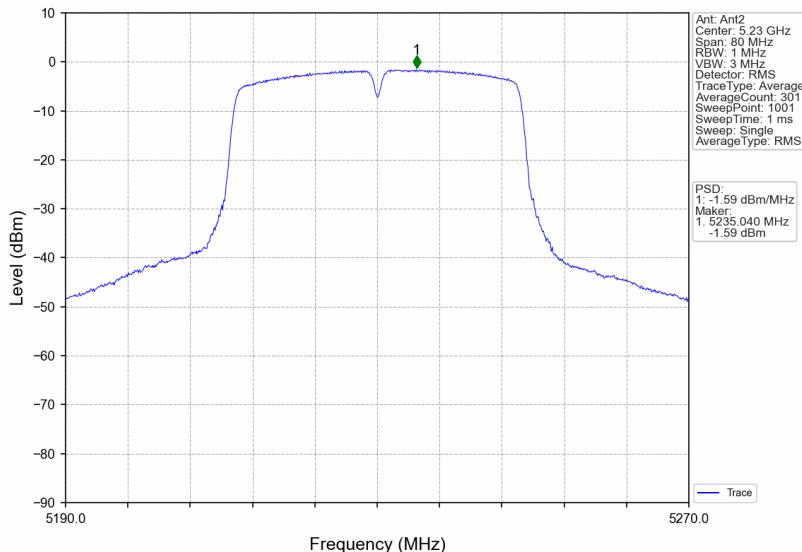
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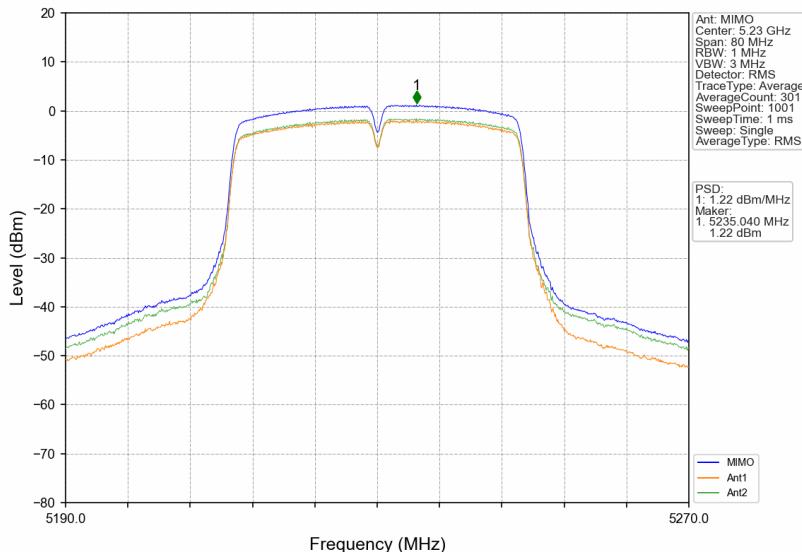
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802.11ac(VHT40)\_HCH\_5230MHz\_MIMO\_NTNV

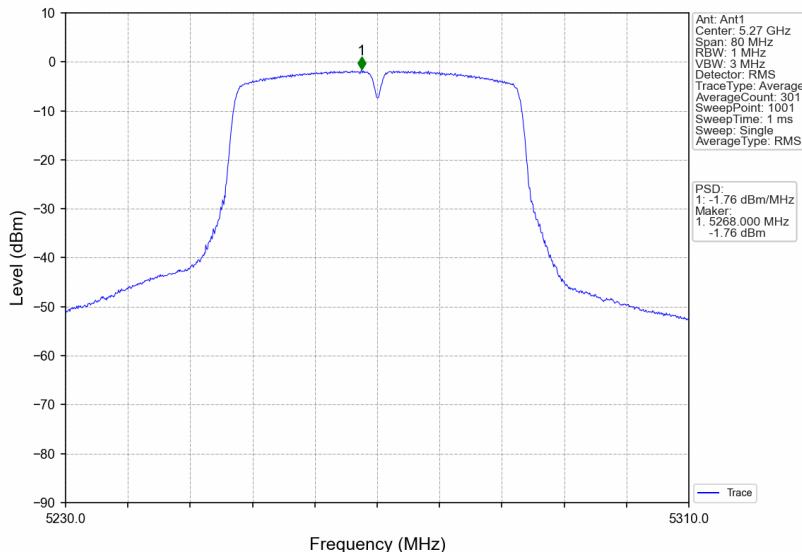


802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV

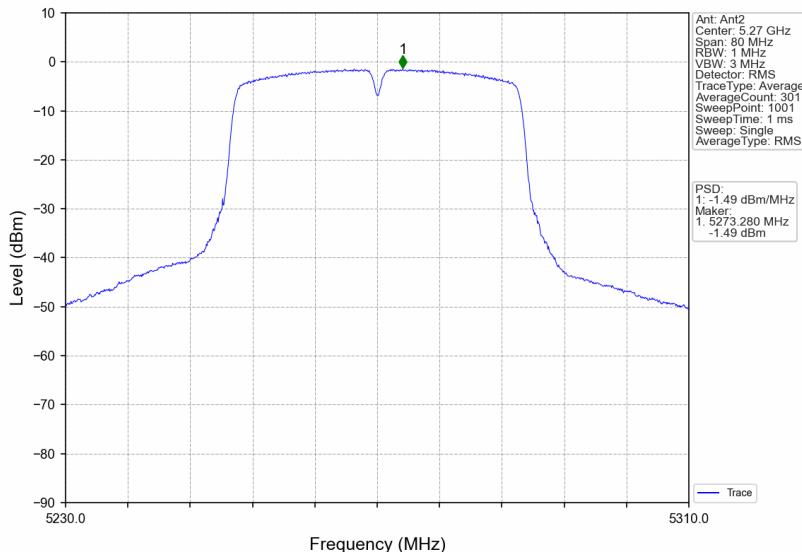
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802.11ac(VHT40)\_LCH\_5270MHz\_Ant2\_NTNV

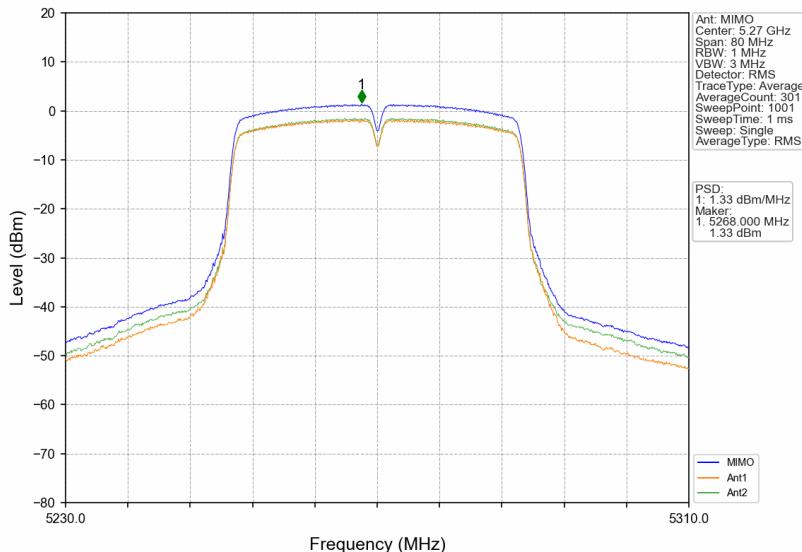


802.11ac(VHT40)\_LCH\_5270MHz\_MIMO\_NTNV

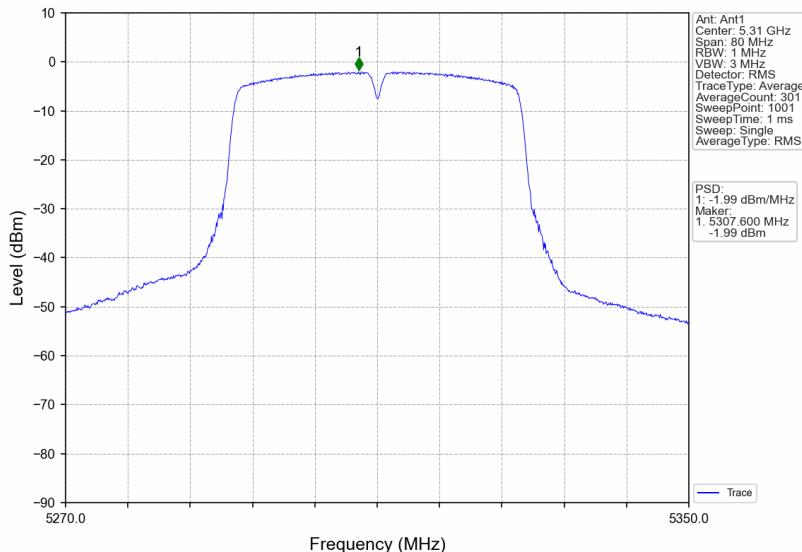
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802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5310MHz\_Ant2\_NTNV



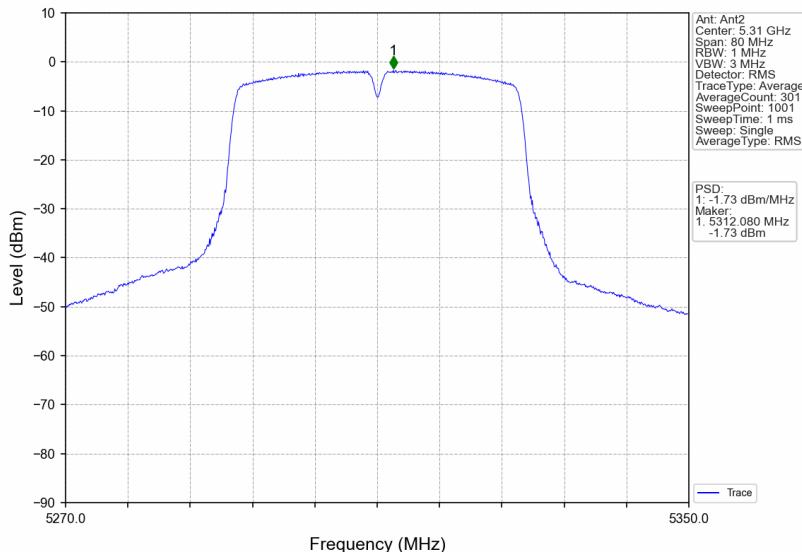
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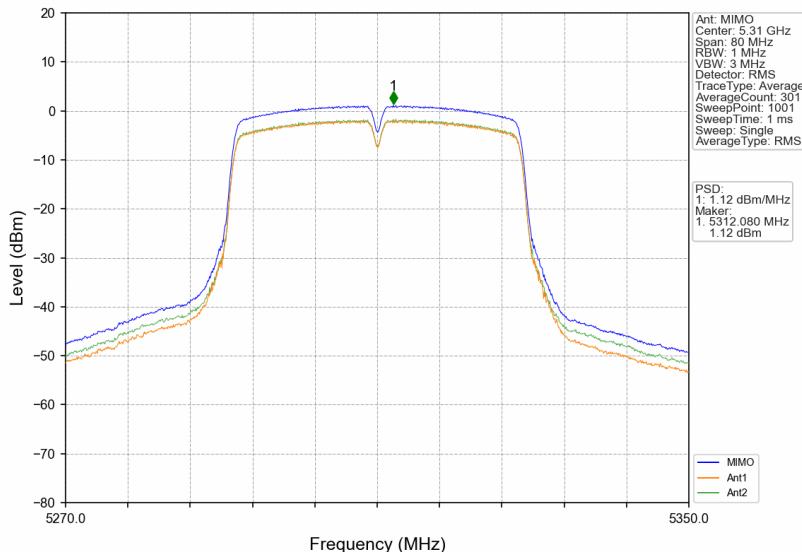
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802.11ac(VHT40)\_HCH\_5310MHz\_MIMO\_NTNV



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

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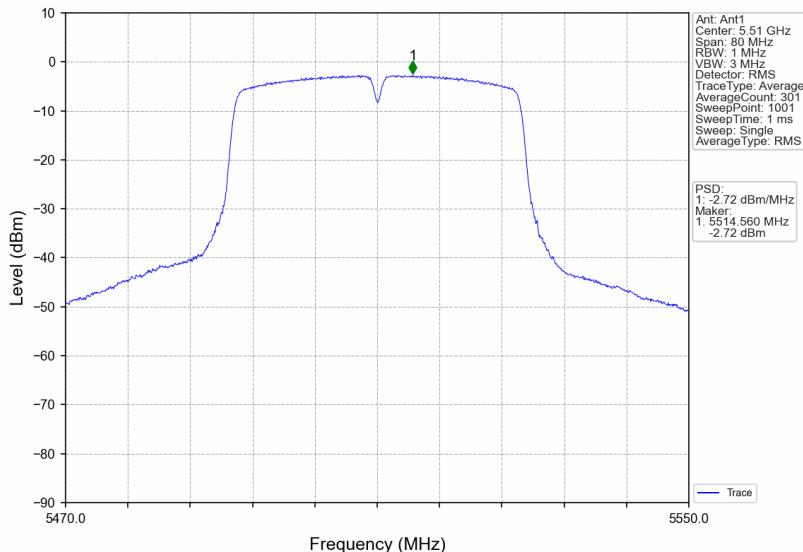


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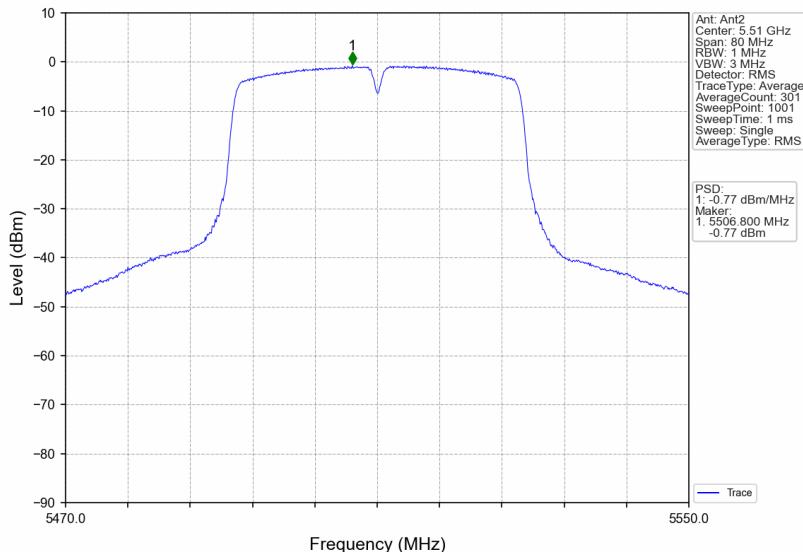
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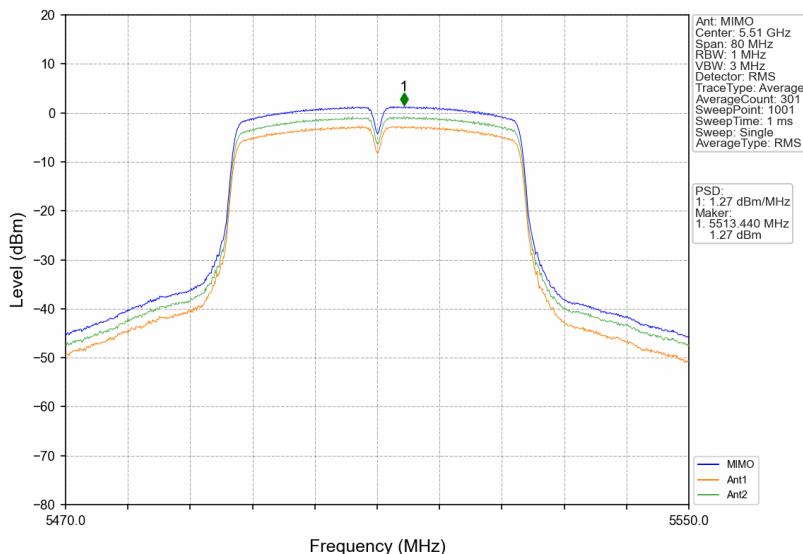


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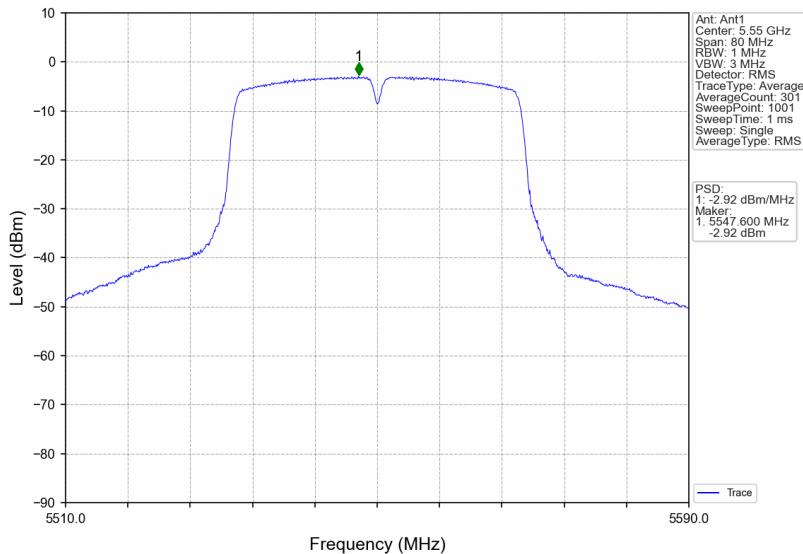
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



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

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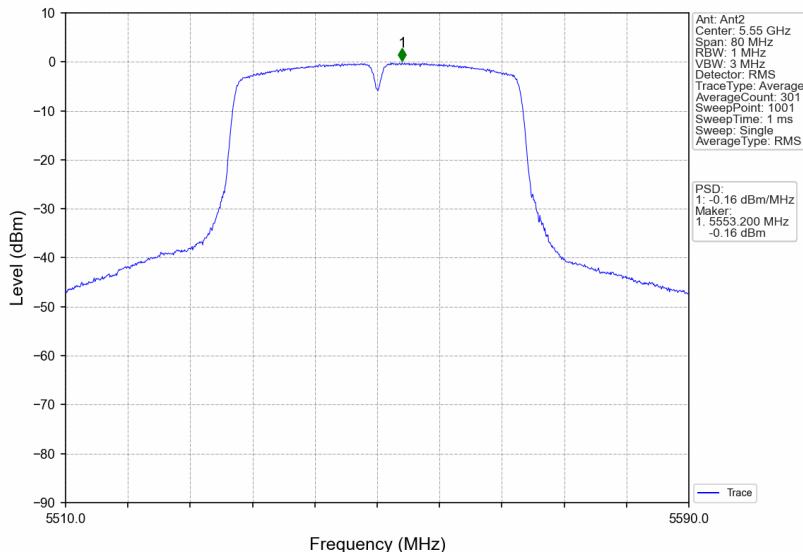
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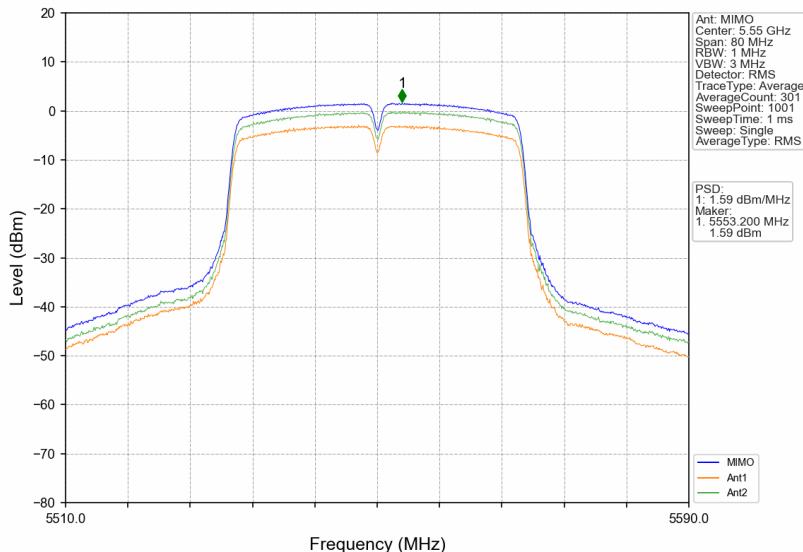
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802.11ac(VHT40)\_MCH\_5550MHz\_MIMO\_NTNV

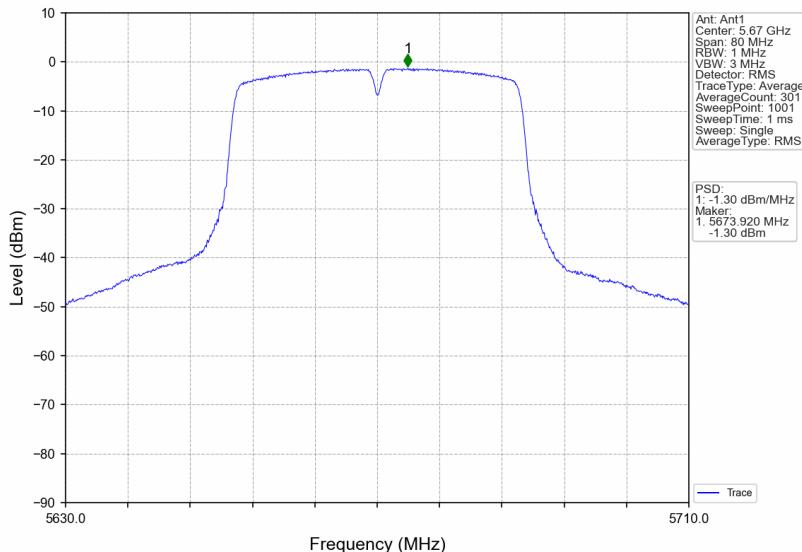


802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV

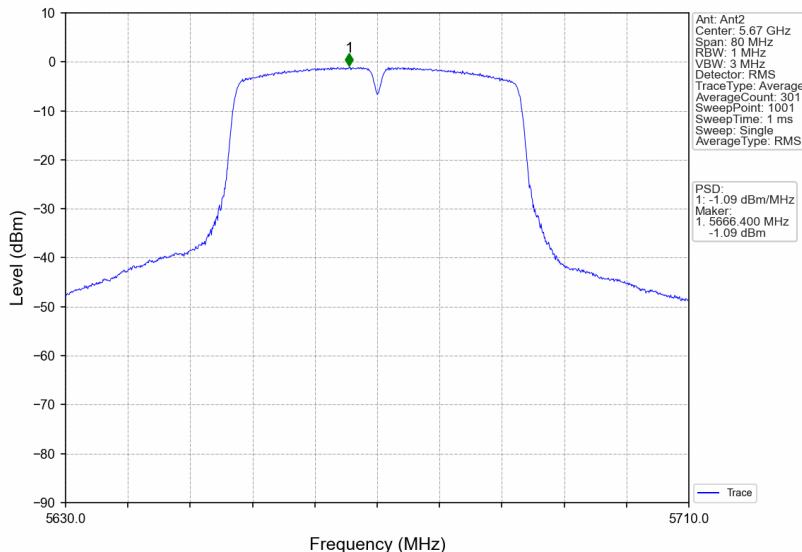
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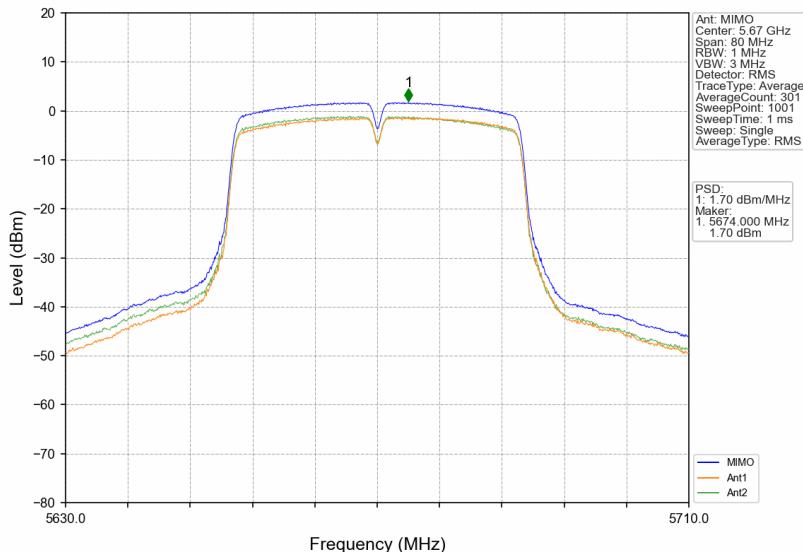


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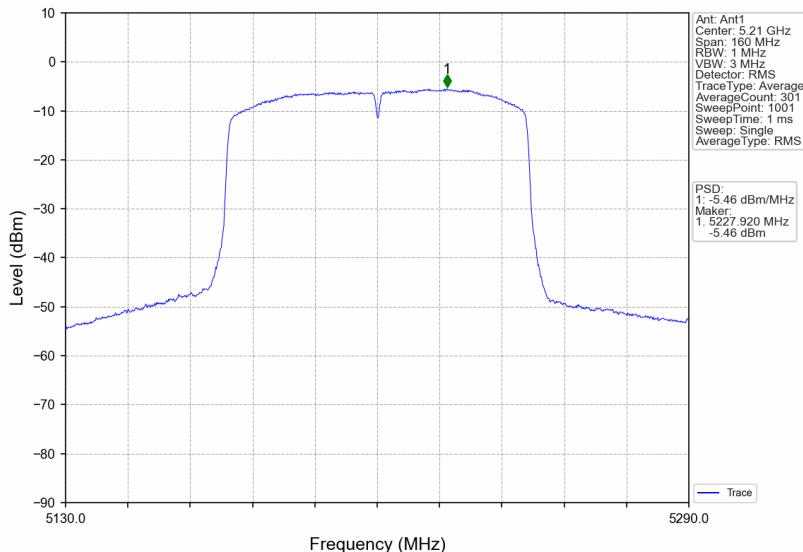
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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



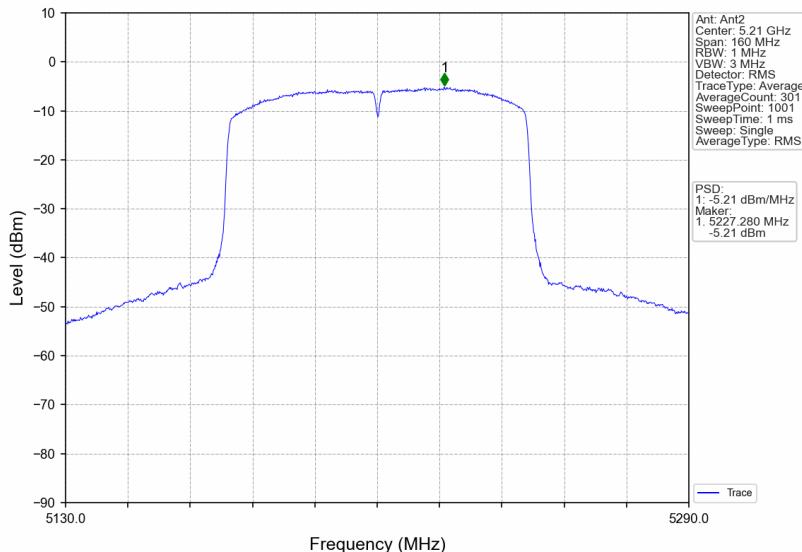
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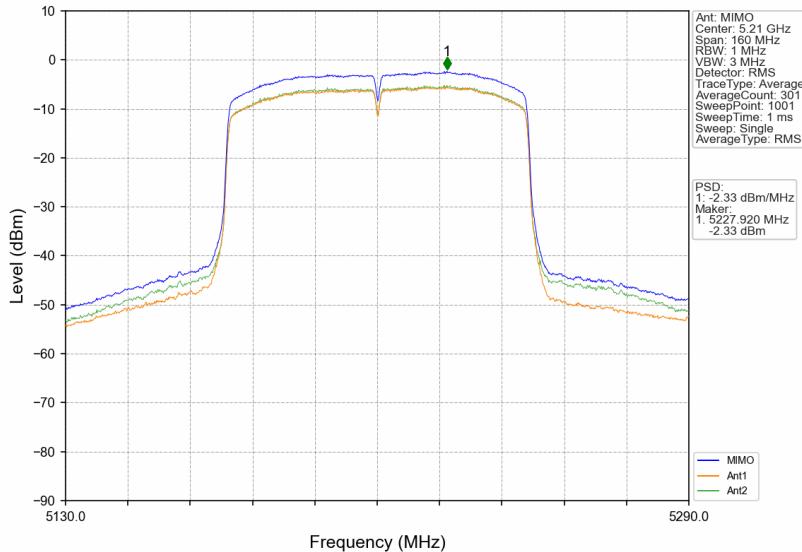
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802.11ac(VHT80)\_MCH\_5210MHz\_MIMO\_NTNV



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



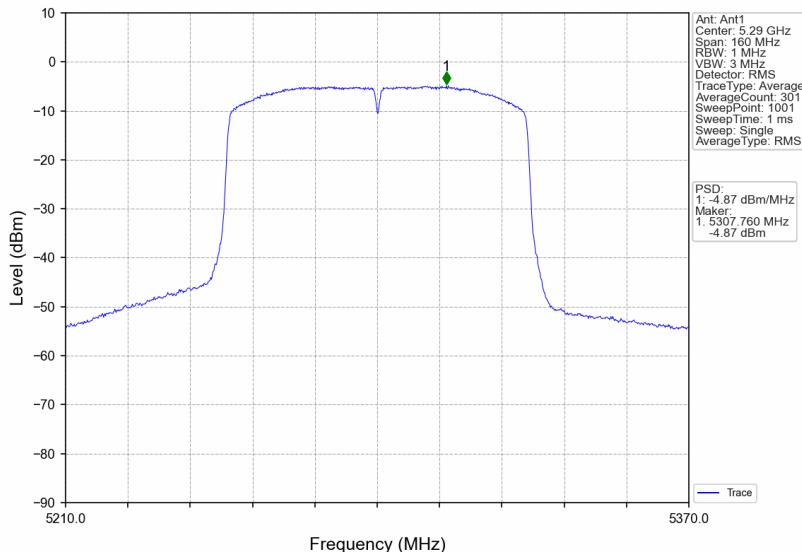
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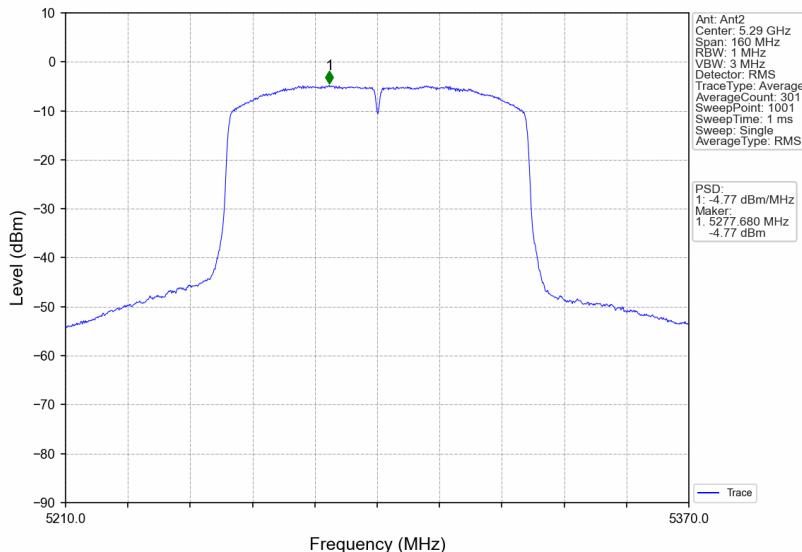
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802.11ac(VHT80)\_MCH\_5290MHz\_Ant2\_NTNV



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

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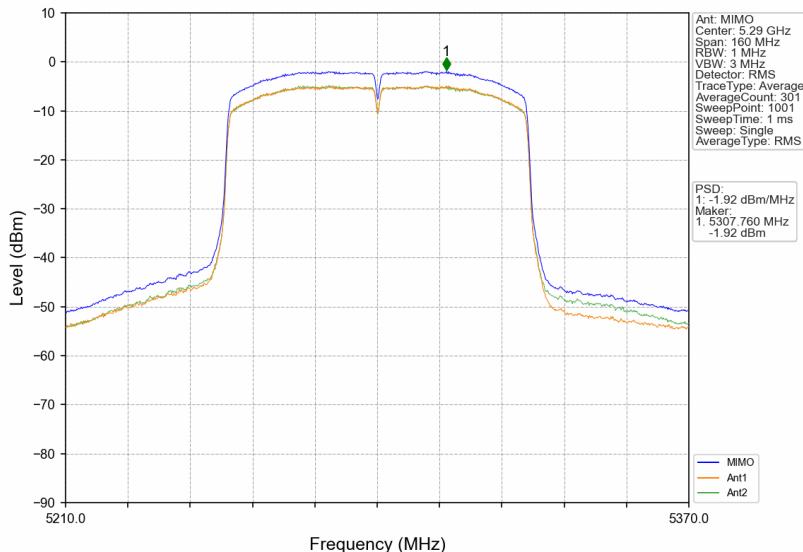
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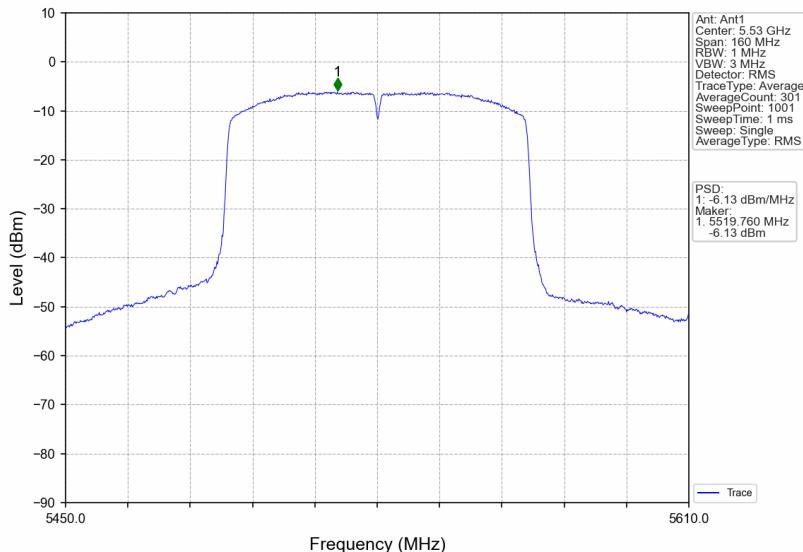
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV

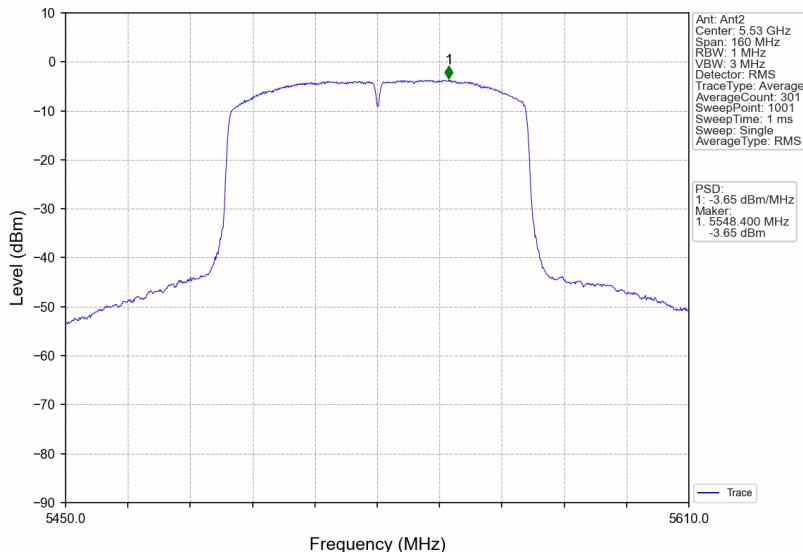
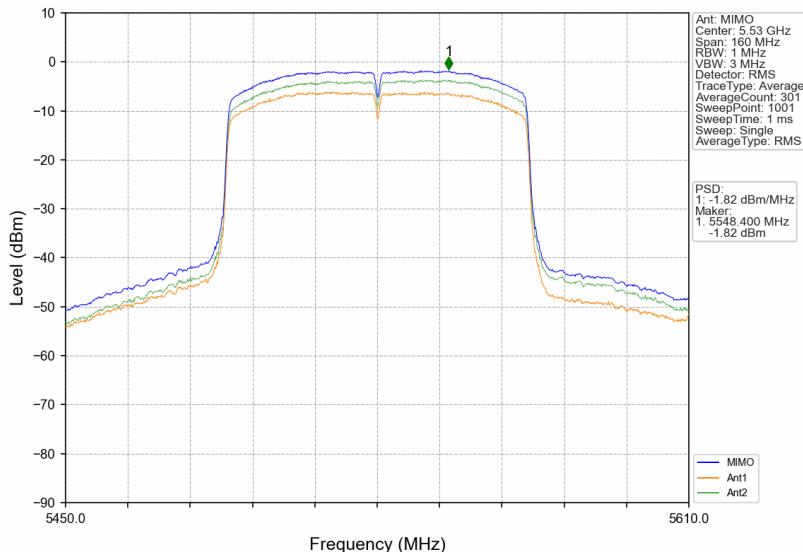


802.11ac(VHT80)\_LCH\_5530MHz\_Ant2\_NTNV

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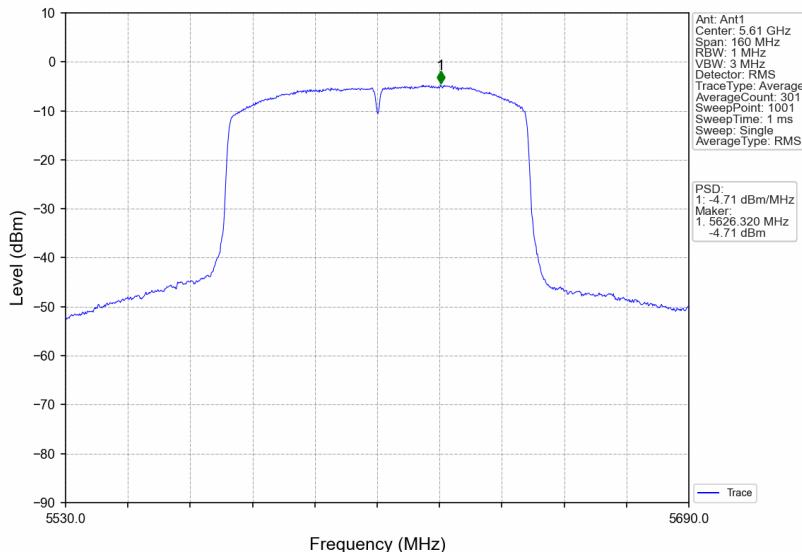


**802.11ac(VHT80)\_LCH\_5530MHz\_MIMO\_NTNU****802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNU**

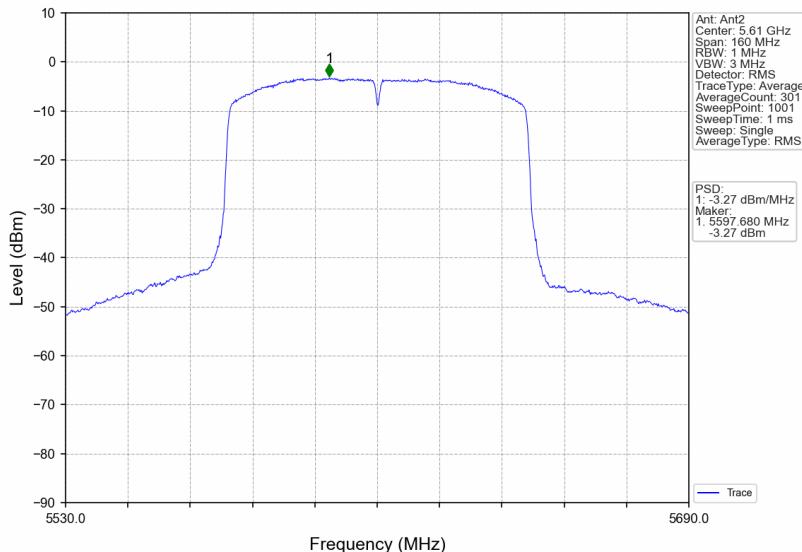
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802.11ac(VHT80)\_HCH\_5610MHz\_Ant2\_NTNV



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

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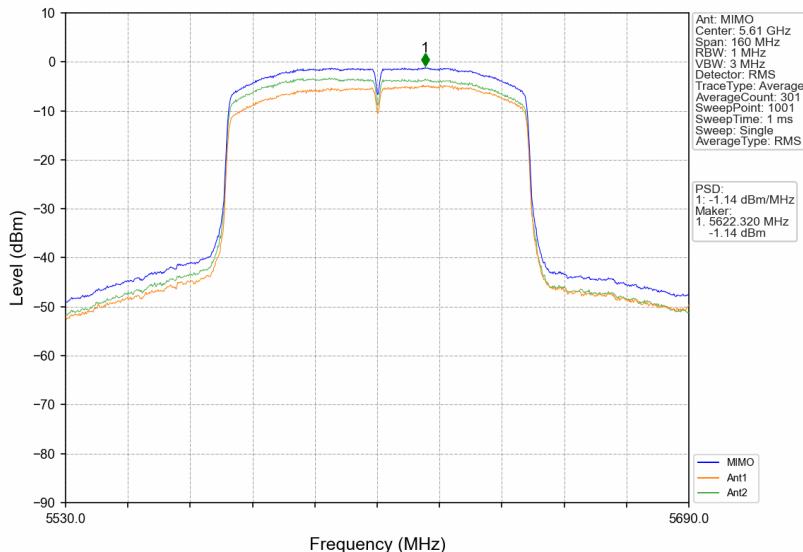


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**4.2 PSD-Band3****4.2.1 Test Result**

| Mode             | TX Type | Frequency (MHz) | Maximum PSD (dBm/500kHz) |       |       |         | Verdict |
|------------------|---------|-----------------|--------------------------|-------|-------|---------|---------|
|                  |         |                 | ANT1                     | ANT2  | MIMO  | Limit   |         |
| 802.11a          | SISO    | 5745            | 0.38                     | 0.45  | /     | <=30    | Pass    |
|                  |         | 5785            | 0.57                     | 0.98  | /     | <=30    | Pass    |
|                  |         | 5825            | 0.23                     | 1.77  | /     | <=30    | Pass    |
| 802.11n (HT20)   | MIMO    | 5745            | -2.57                    | -3.43 | -0.03 | <=27.08 | Pass    |
|                  |         | 5785            | -2.28                    | -2.79 | 0.38  | <=27.08 | Pass    |
|                  |         | 5825            | -2.92                    | -1.86 | 0.56  | <=27.08 | Pass    |
| 802.11n (HT40)   | MIMO    | 5755            | -5.54                    | -6.19 | -2.94 | <=27.08 | Pass    |
|                  |         | 5795            | -5.51                    | -5.73 | -2.77 | <=27.08 | Pass    |
| 802.11ac (VHT20) | MIMO    | 5745            | -2.52                    | -3.34 | 0.04  | <=27.08 | Pass    |
|                  |         | 5785            | -2.35                    | -2.71 | 0.40  | <=27.08 | Pass    |
|                  |         | 5825            | -2.78                    | -1.98 | 0.64  | <=27.08 | Pass    |
| 802.11ac (VHT40) | MIMO    | 5755            | -5.52                    | -6.14 | -2.85 | <=27.08 | Pass    |
|                  |         | 5795            | -5.51                    | -5.70 | -2.76 | <=27.08 | Pass    |
| 802.11ac (VHT80) | MIMO    | 5775            | -8.63                    | -8.94 | -5.88 | <=27.08 | Pass    |

Note1: Antenna Gain: Ant1: 5.91dBi; Ant2: 5.91dBi;

Note2: Directional Gain: Band1: 8.92dBi, Band2A: 8.92dBi, Band2C: 8.92dBi, Band3: 8.92dBi

**4.2.2 Test Graph**

802.11a\_LCH\_5745MHz\_Ant1\_NTNU



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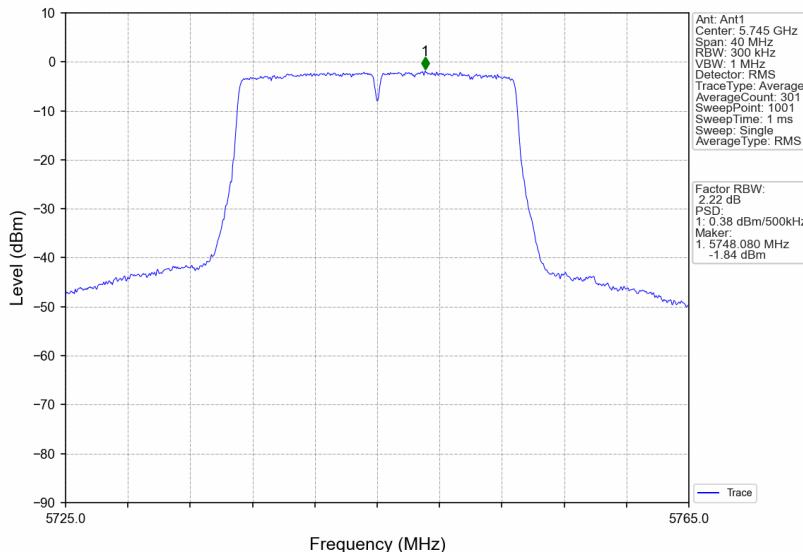
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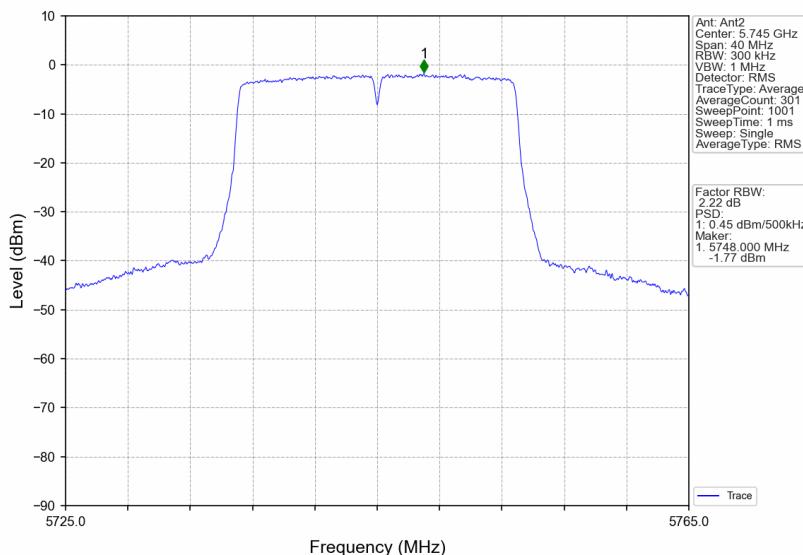
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802.11a\_LCH\_5745MHz\_Ant2\_NTNV

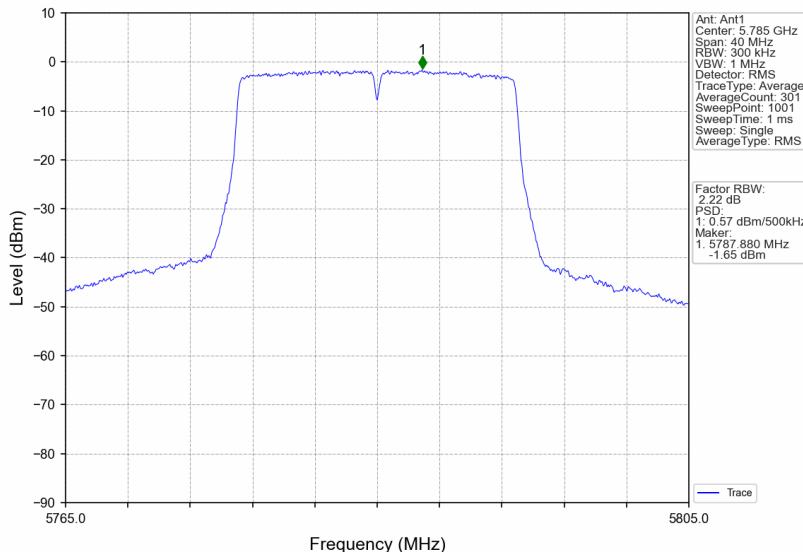


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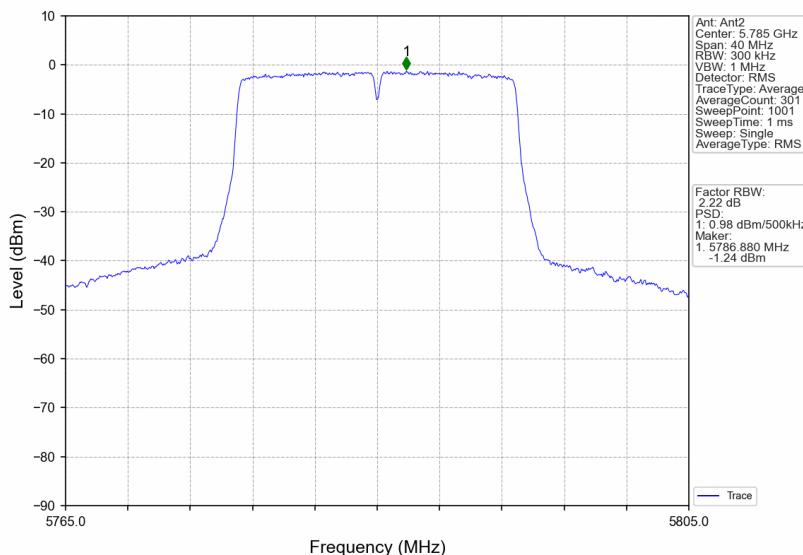
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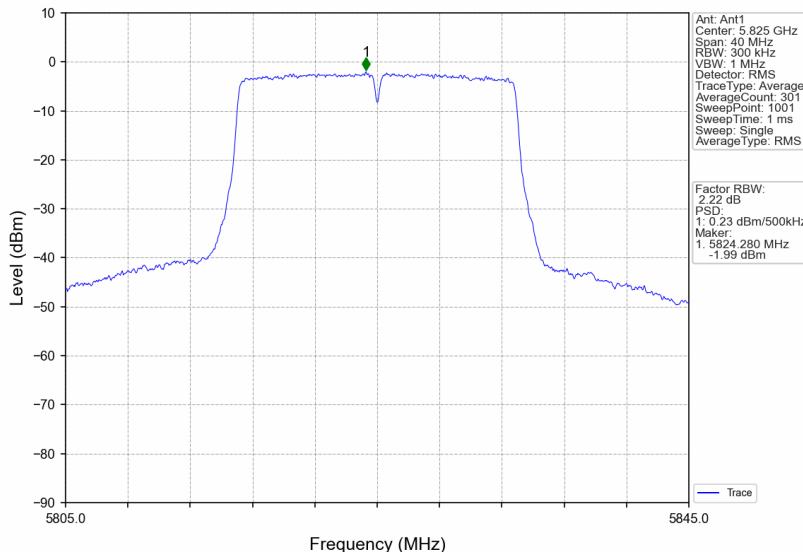


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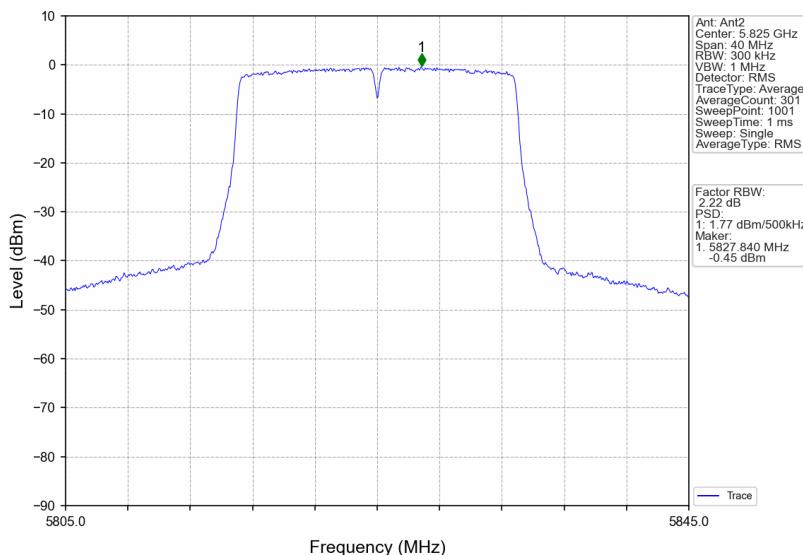
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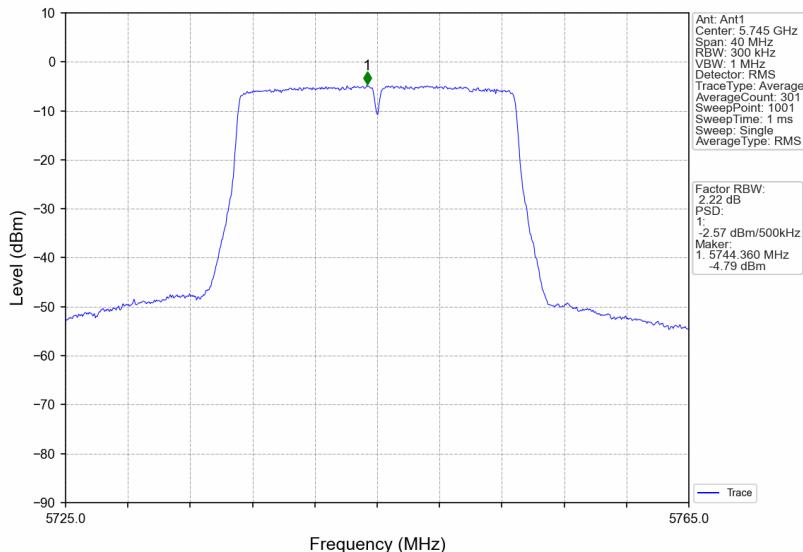


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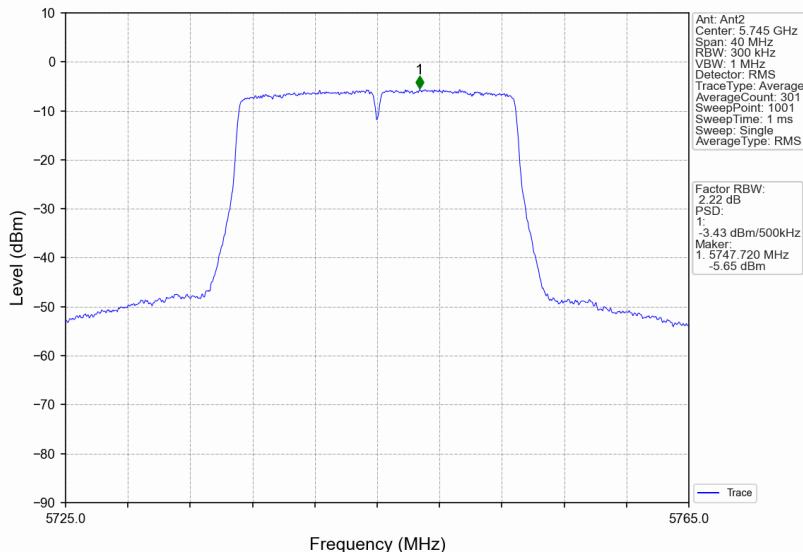
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802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



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

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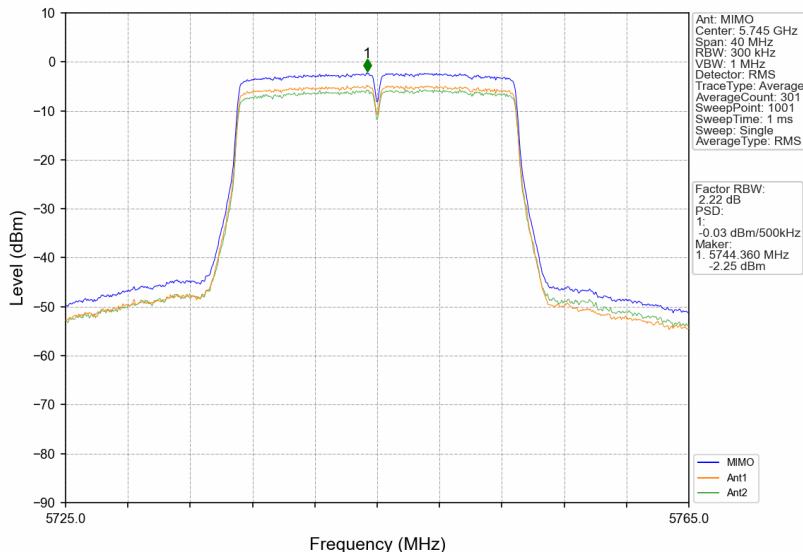
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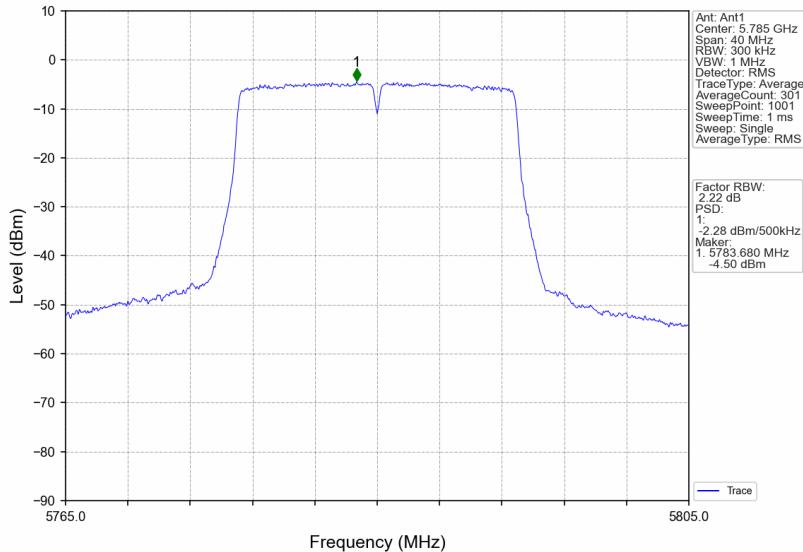
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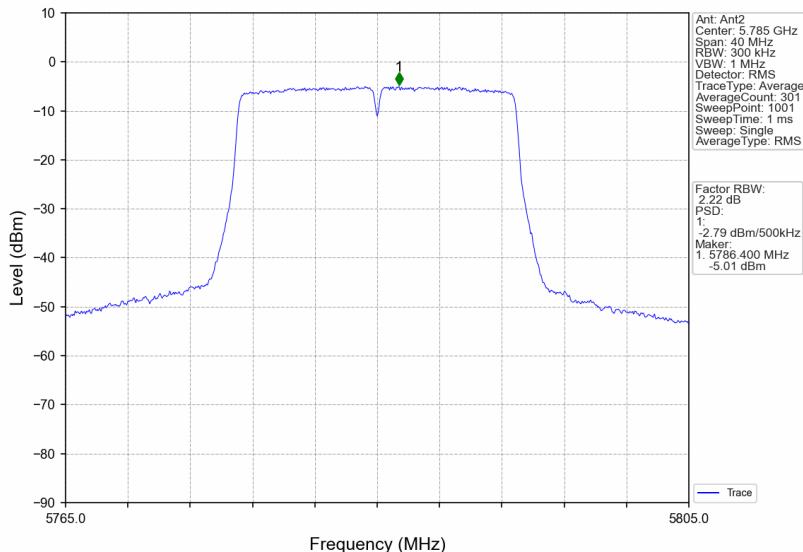


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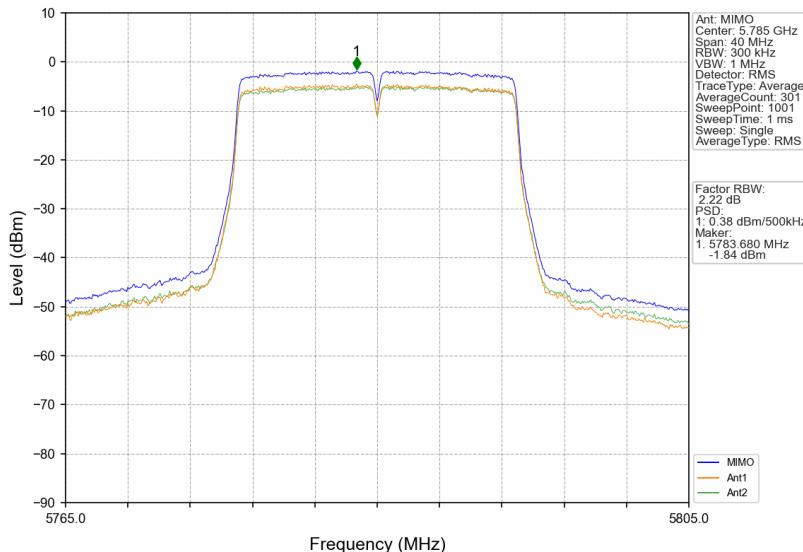
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802.11n(HT20)\_MCH\_5785MHz\_MIMO\_ntnv



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

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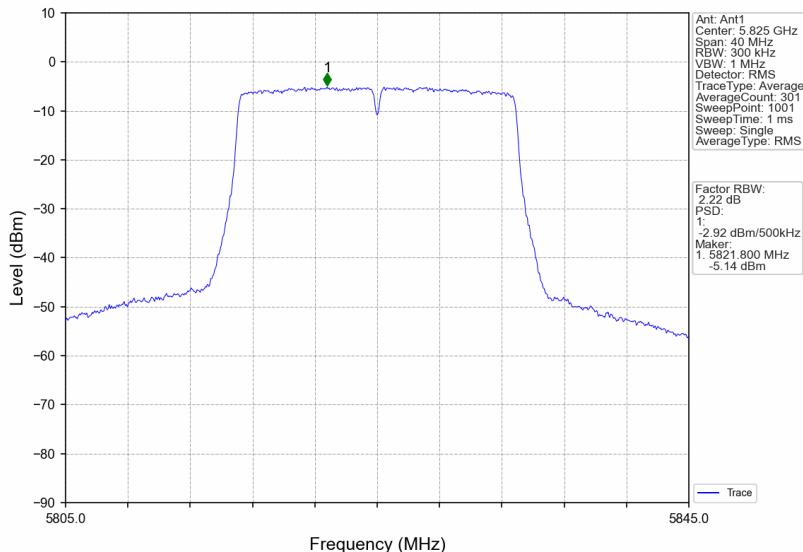


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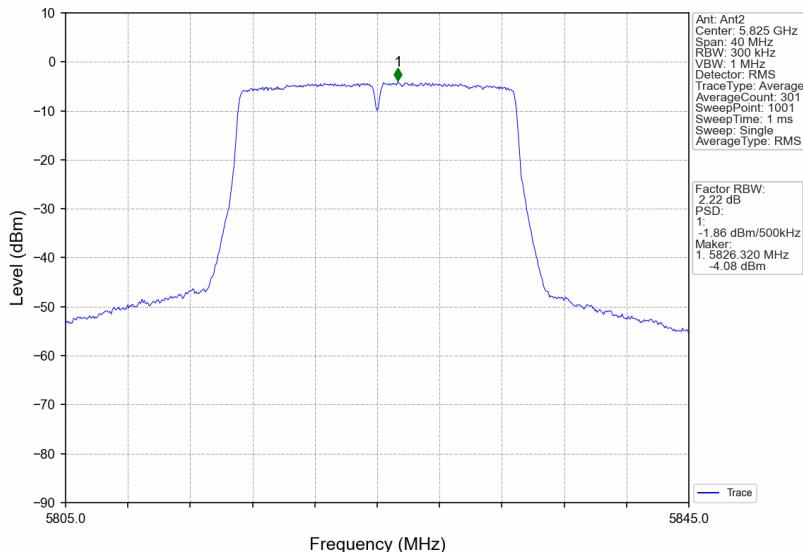
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802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV

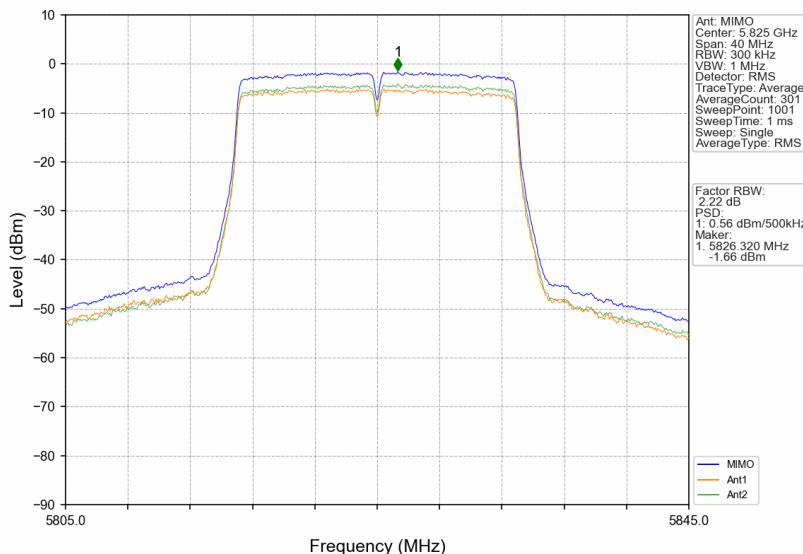


802.11n(HT20)\_HCH\_5825MHz\_MIMO\_NTNV

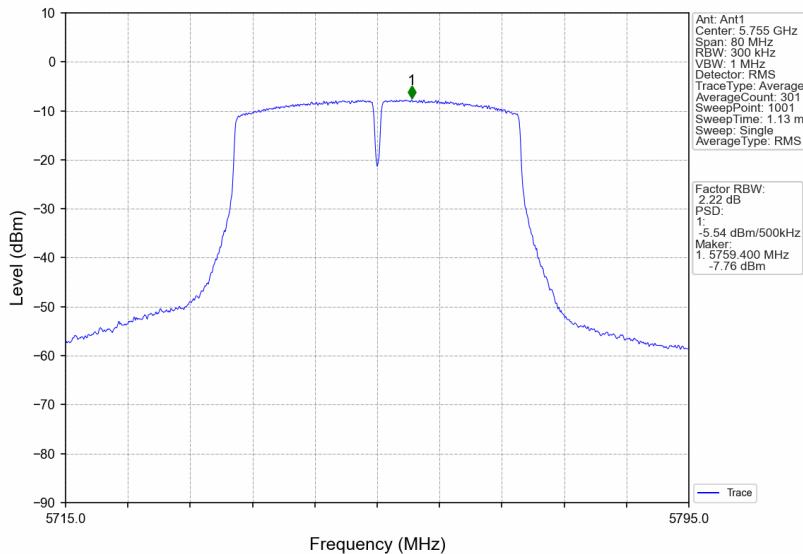
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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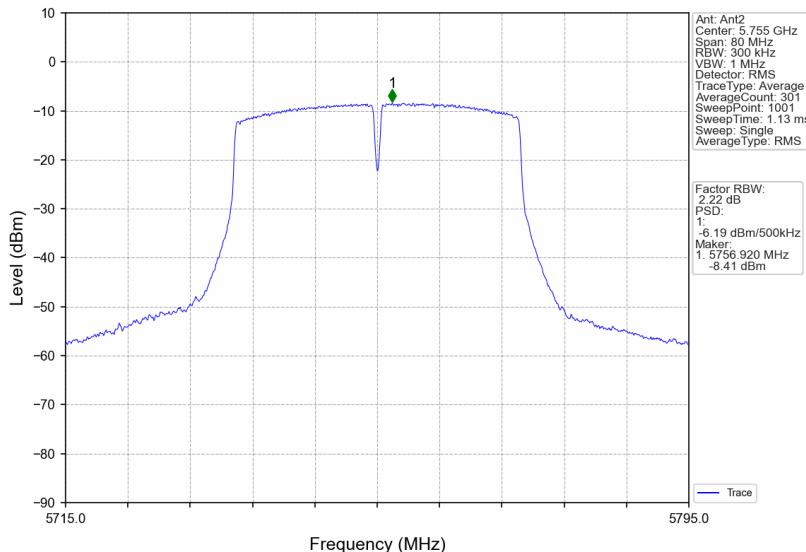
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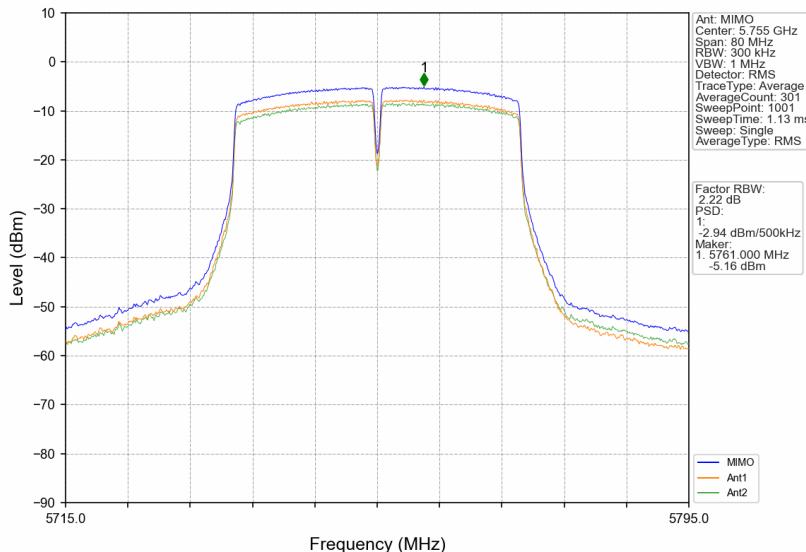
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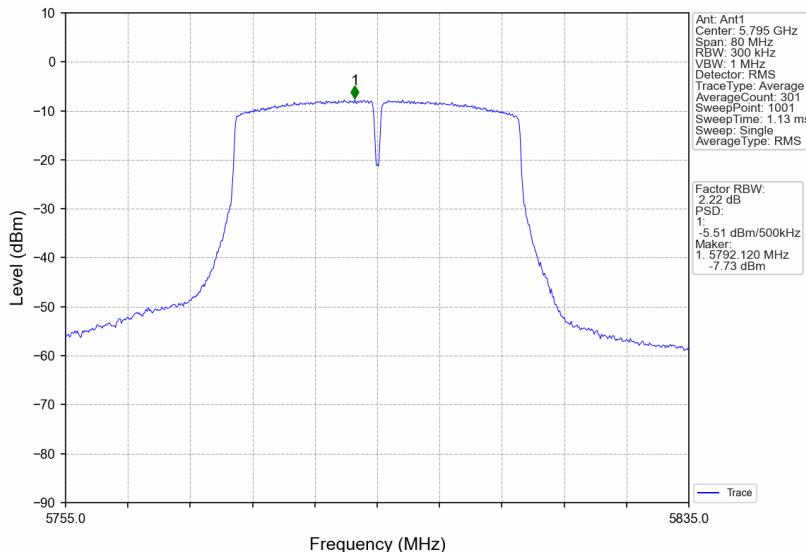
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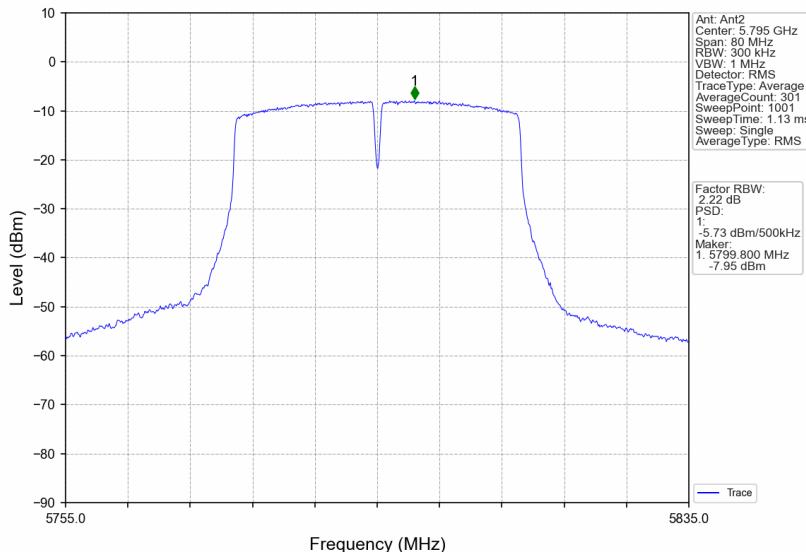
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802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



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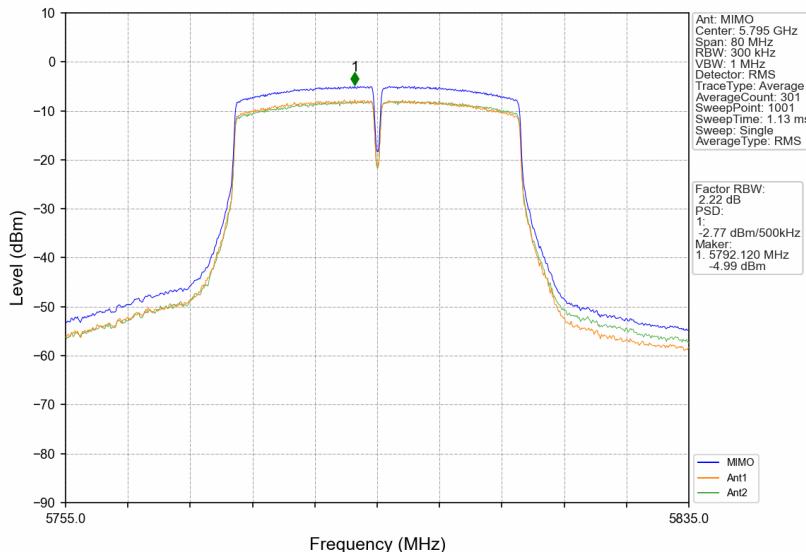


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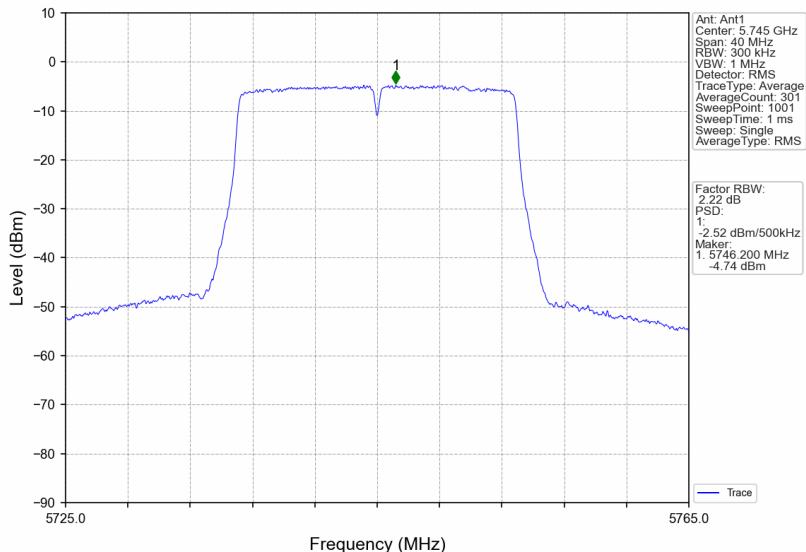
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV

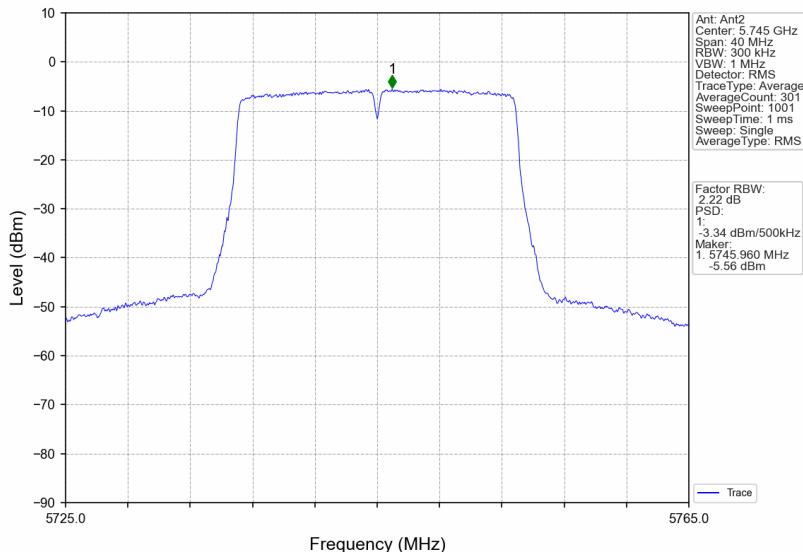


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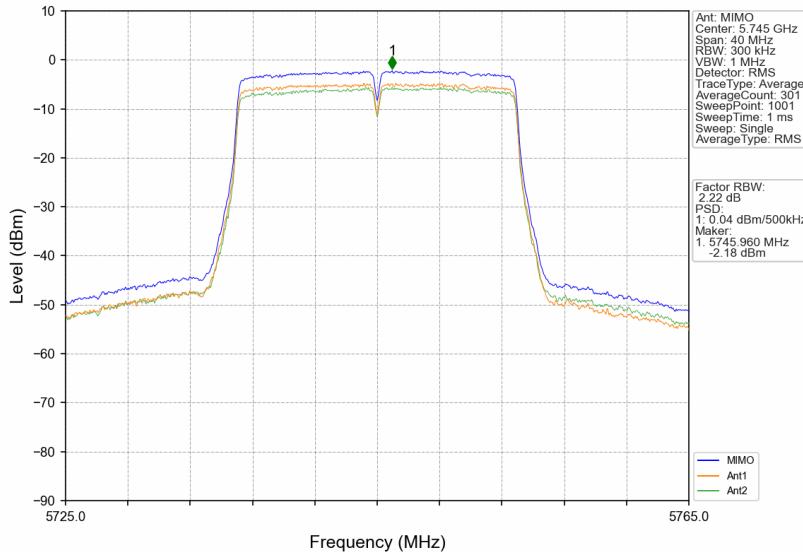
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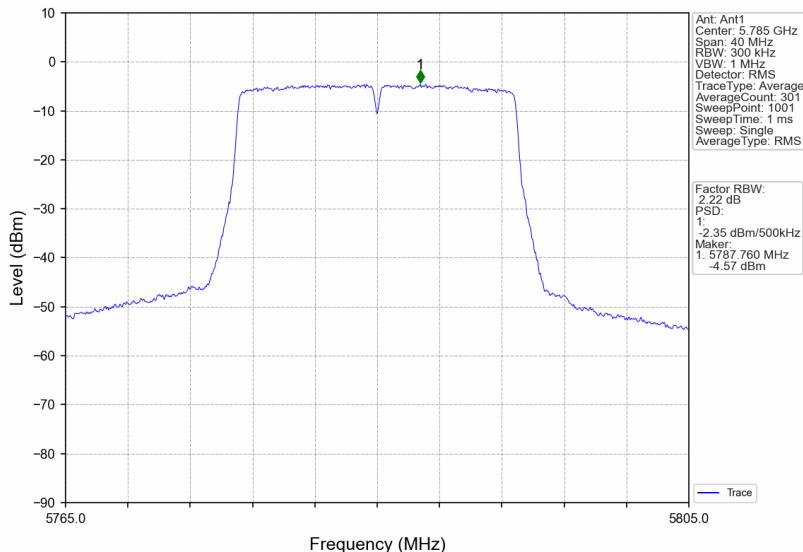


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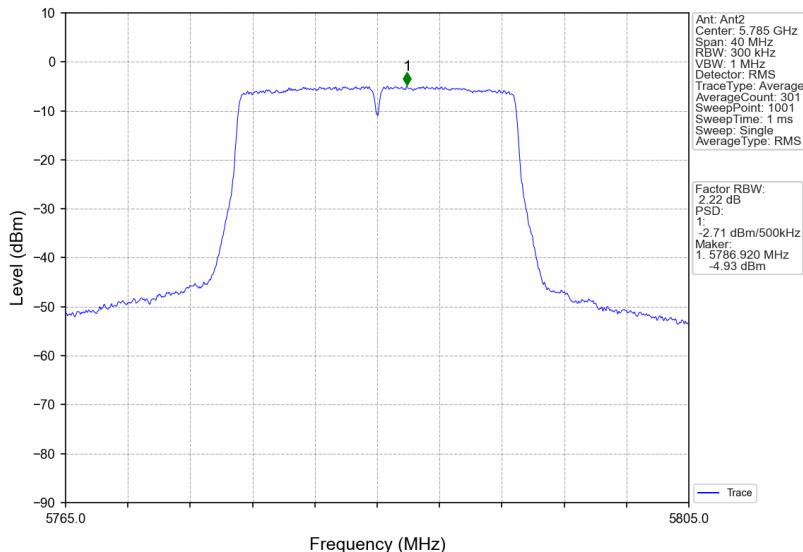
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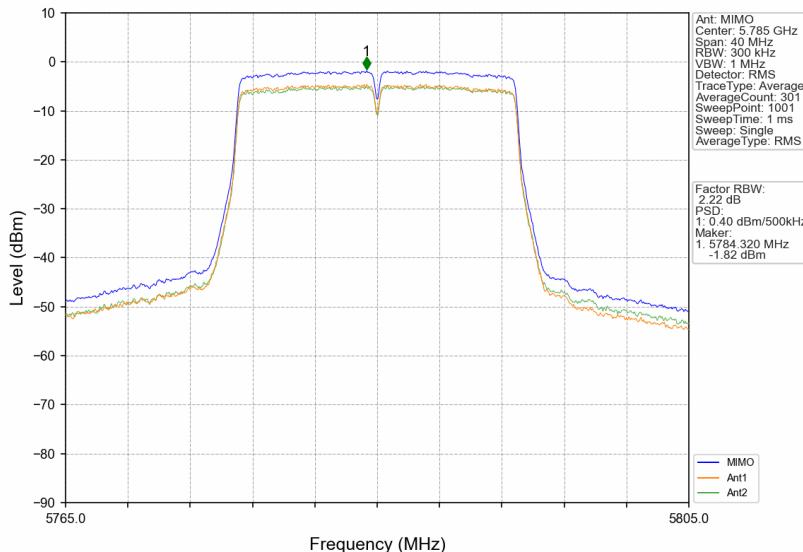


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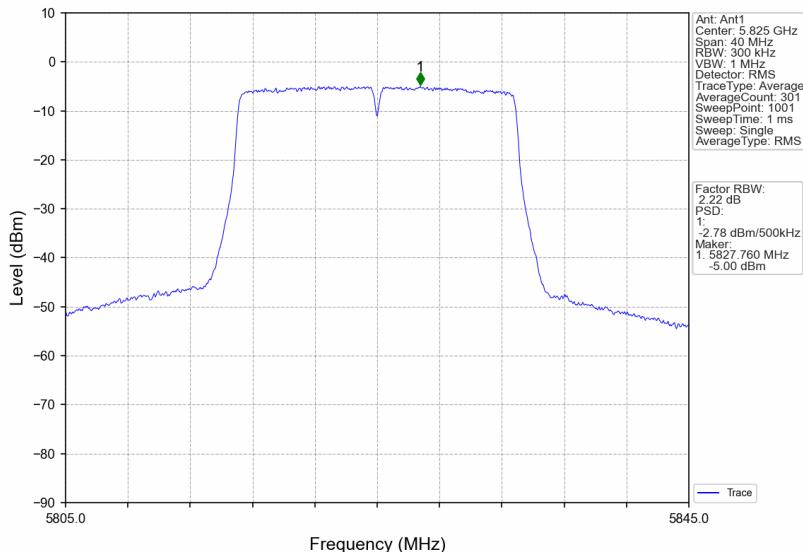
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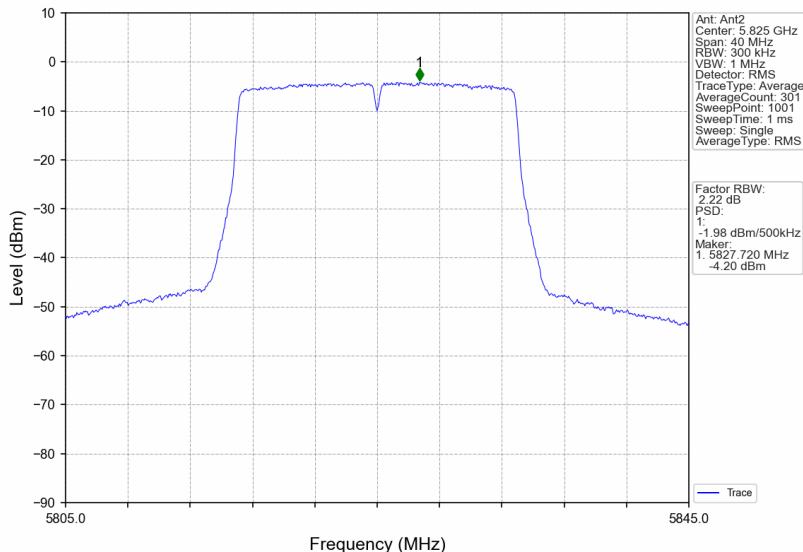


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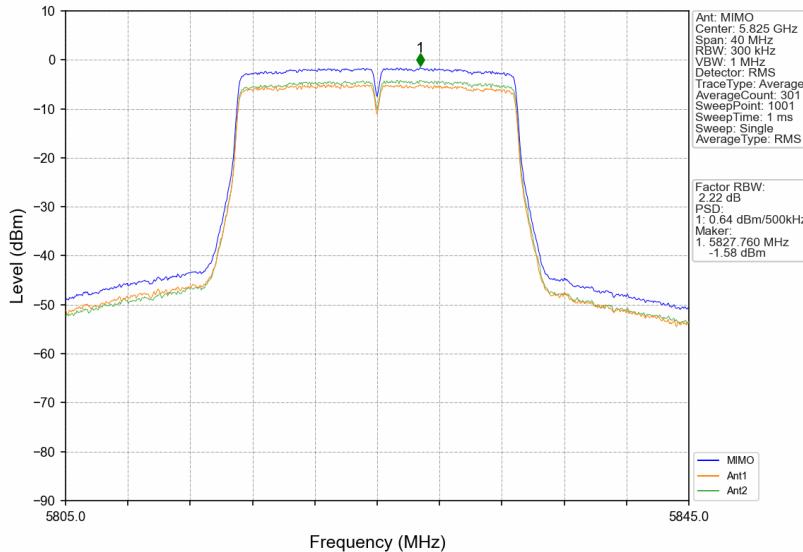
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802.11ac(VHT20)\_HCH\_5825MHz\_MIMO\_NTNV



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

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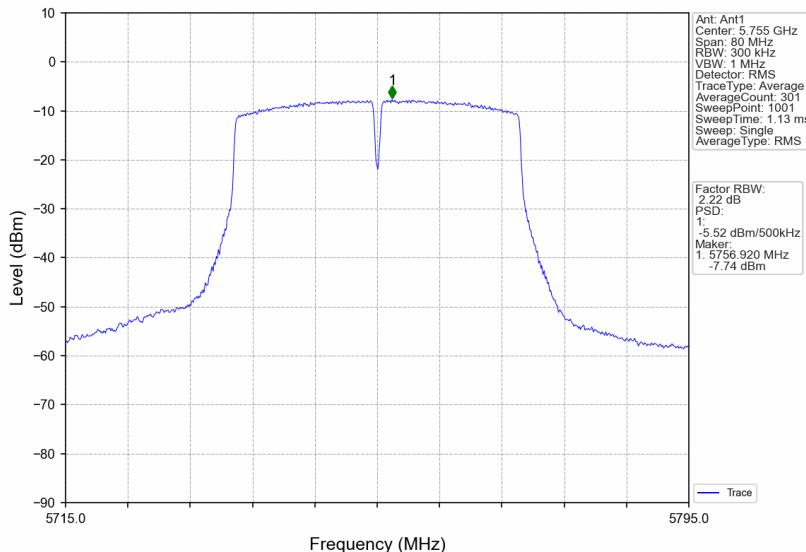


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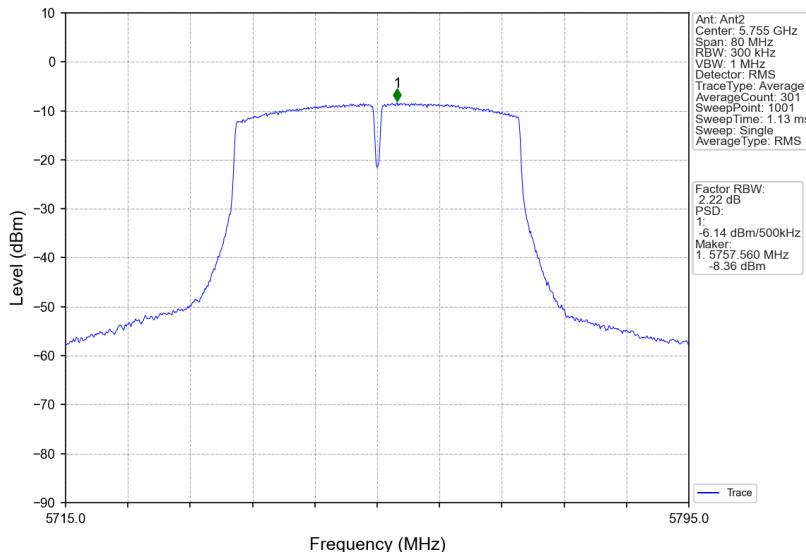
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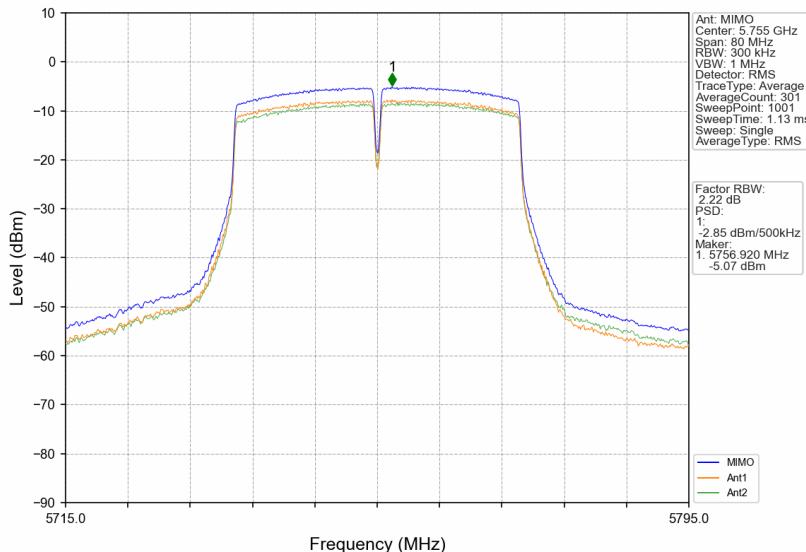


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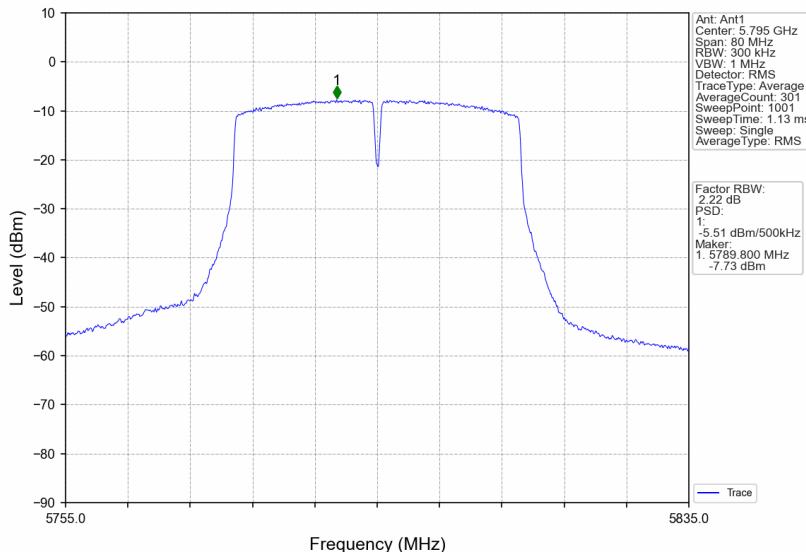
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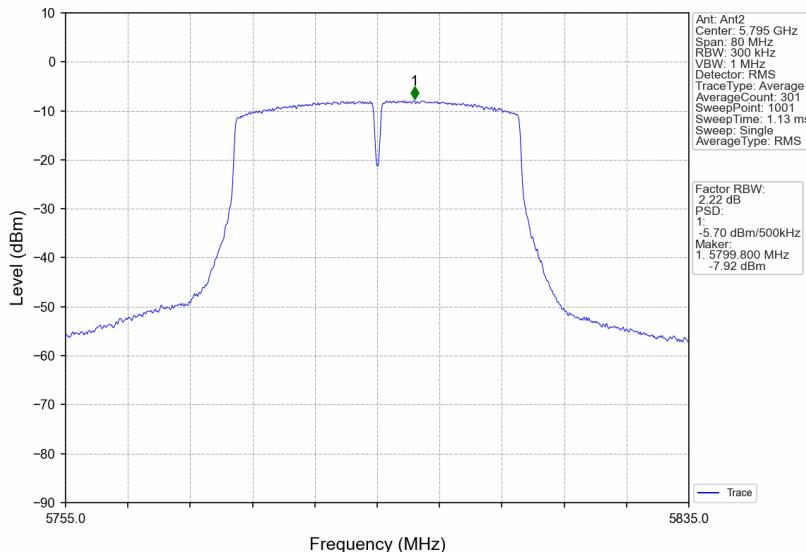


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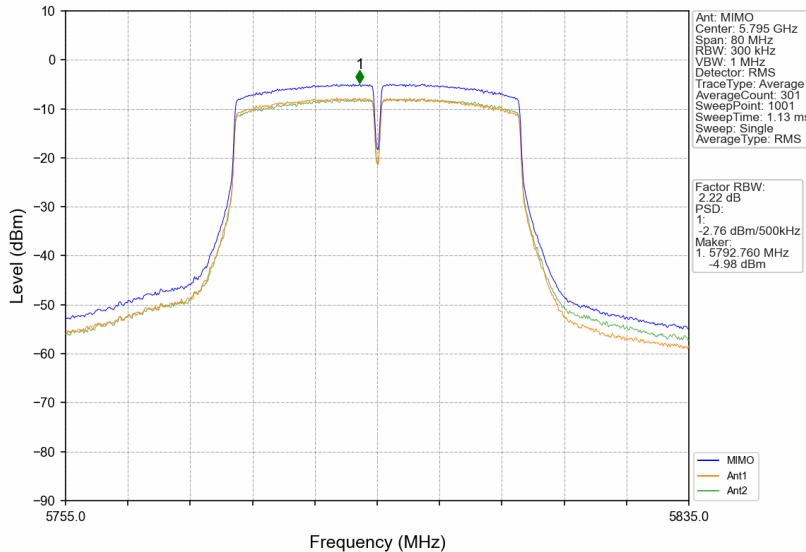
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802.11ac(VHT40)\_HCH\_5795MHz\_MIMO\_NTNV

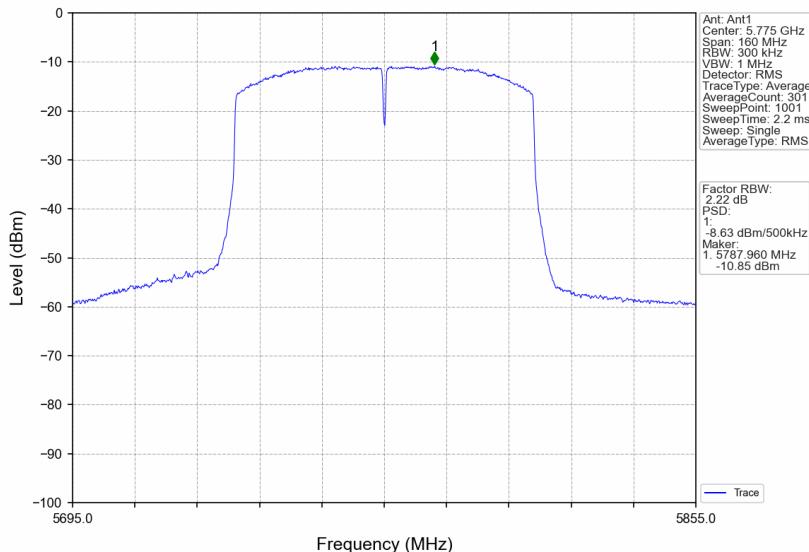


802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

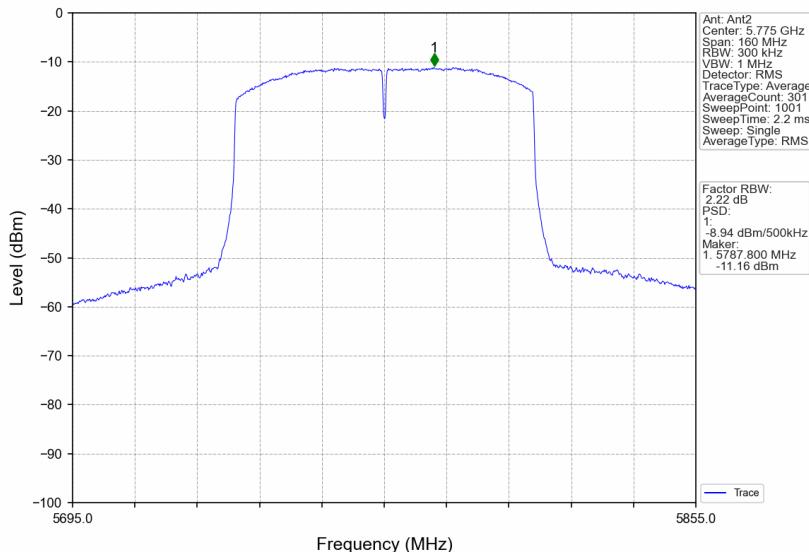
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802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV

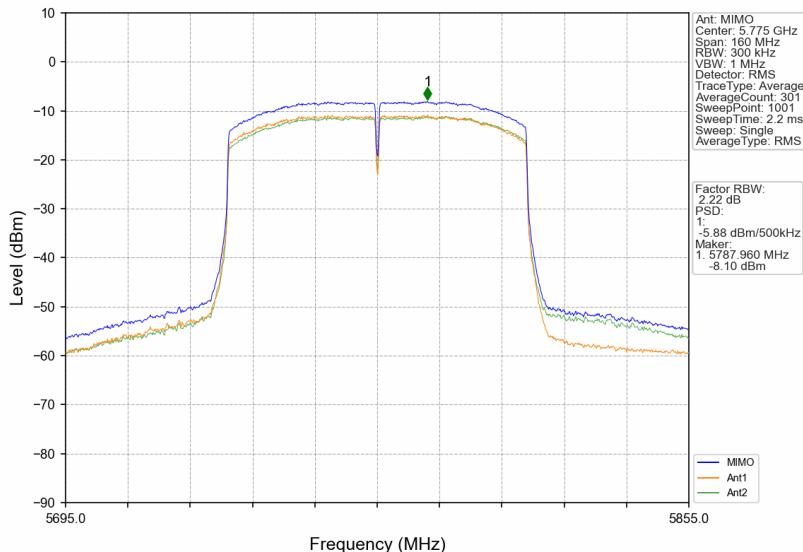


802.11ac(VHT80)\_MCH\_5775MHz\_MIMO\_NTNV

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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    | 5180            | 20               | 102           | 5179.960                 | 5150 to 5250 | Pass    |
|         |         |                 |                  | 120           | 5179.960                 | 5150 to 5250 | Pass    |
|         |         |                 |                  | 138           | 5179.980                 | 5150 to 5250 | Pass    |
|         |         |                 | -30              | 120           | 5179.960                 | 5150 to 5250 | Pass    |
|         |         |                 | -20              | 120           | 5179.960                 | 5150 to 5250 | Pass    |
|         |         |                 | -10              | 120           | 5180.000                 | 5150 to 5250 | Pass    |
|         |         |                 | 0                | 120           | 5179.940                 | 5150 to 5250 | Pass    |
|         |         |                 | 10               | 120           | 5179.940                 | 5150 to 5250 | Pass    |
|         |         |                 | 30               | 120           | 5179.980                 | 5150 to 5250 | Pass    |
|         |         |                 | 40               | 120           | 5179.940                 | 5150 to 5250 | Pass    |
|         |         |                 | 50               | 120           | 5179.940                 | 5150 to 5250 | Pass    |
|         |         | 5200            | 20               | 102           | 5199.940                 | 5150 to 5250 | Pass    |
|         |         |                 |                  | 120           | 5199.980                 | 5150 to 5250 | Pass    |
|         |         |                 |                  | 138           | 5199.960                 | 5150 to 5250 | Pass    |
|         |         |                 | -30              | 120           | 5199.940                 | 5150 to 5250 | Pass    |
|         |         |                 | -20              | 120           | 5199.960                 | 5150 to 5250 | Pass    |
|         |         |                 | -10              | 120           | 5199.960                 | 5150 to 5250 | Pass    |
|         |         |                 | 0                | 120           | 5199.960                 | 5150 to 5250 | Pass    |
|         |         |                 | 10               | 120           | 5199.960                 | 5150 to 5250 | Pass    |
|         |         |                 | 30               | 120           | 5200.020                 | 5150 to 5250 | Pass    |
|         |         |                 | 40               | 120           | 5199.980                 | 5150 to 5250 | Pass    |
|         |         |                 | 50               | 120           | 5199.960                 | 5150 to 5250 | Pass    |
|         |         | 5240            | 20               | 102           | 5239.940                 | 5150 to 5250 | Pass    |
|         |         |                 |                  | 120           | 5239.980                 | 5150 to 5250 | Pass    |
|         |         |                 |                  | 138           | 5239.980                 | 5150 to 5250 | Pass    |
|         |         |                 | -30              | 120           | 5240.000                 | 5150 to 5250 | Pass    |
|         |         |                 | -20              | 120           | 5239.980                 | 5150 to 5250 | Pass    |
|         |         |                 | -10              | 120           | 5239.960                 | 5150 to 5250 | Pass    |
|         |         |                 | 0                | 120           | 5239.960                 | 5150 to 5250 | Pass    |
|         |         |                 | 10               | 120           | 5239.960                 | 5150 to 5250 | Pass    |

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|  |      |      |     |          |              |      |
|--|------|------|-----|----------|--------------|------|
|  |      | 30   | 120 | 5239.980 | 5150 to 5250 | Pass |
|  |      | 40   | 120 | 5239.980 | 5150 to 5250 | Pass |
|  |      | 50   | 120 | 5239.980 | 5150 to 5250 | Pass |
|  | 5260 | 20   | 102 | 5259.960 | 5250 to 5350 | Pass |
|  |      |      | 120 | 5259.940 | 5250 to 5350 | Pass |
|  |      |      | 138 | 5259.980 | 5250 to 5350 | Pass |
|  |      |      | -30 | 5260.000 | 5250 to 5350 | Pass |
|  |      |      | -20 | 5259.960 | 5250 to 5350 | Pass |
|  |      |      | -10 | 5259.960 | 5250 to 5350 | Pass |
|  |      |      | 0   | 5259.940 | 5250 to 5350 | Pass |
|  |      | 5300 | 10  | 5259.960 | 5250 to 5350 | Pass |
|  |      |      | 30  | 5259.960 | 5250 to 5350 | Pass |
|  |      |      | 40  | 5259.980 | 5250 to 5350 | Pass |
|  |      |      | 50  | 5259.960 | 5250 to 5350 | Pass |
|  |      |      | 102 | 5299.960 | 5250 to 5350 | Pass |
|  |      |      | 120 | 5299.960 | 5250 to 5350 | Pass |
|  |      |      | 138 | 5299.980 | 5250 to 5350 | Pass |
|  |      |      | -30 | 5299.960 | 5250 to 5350 | Pass |
|  |      |      | -20 | 5299.940 | 5250 to 5350 | Pass |
|  |      |      | -10 | 5299.960 | 5250 to 5350 | Pass |
|  | 5320 | 20   | 0   | 5299.940 | 5250 to 5350 | Pass |
|  |      |      | 10  | 5299.940 | 5250 to 5350 | Pass |
|  |      |      | 30  | 5299.960 | 5250 to 5350 | Pass |
|  |      |      | 40  | 5299.940 | 5250 to 5350 | Pass |
|  |      |      | 50  | 5299.960 | 5250 to 5350 | Pass |
|  |      |      | 102 | 5319.960 | 5250 to 5350 | Pass |
|  |      |      | 120 | 5319.980 | 5250 to 5350 | Pass |
|  |      |      | 138 | 5319.940 | 5250 to 5350 | Pass |
|  |      |      | -30 | 5319.940 | 5250 to 5350 | Pass |
|  |      |      | -20 | 5319.960 | 5250 to 5350 | Pass |
|  |      | 5500 | -10 | 5319.940 | 5250 to 5350 | Pass |
|  |      |      | 0   | 5319.960 | 5250 to 5350 | Pass |
|  |      |      | 10  | 5319.980 | 5250 to 5350 | Pass |
|  |      |      | 30  | 5319.940 | 5250 to 5350 | Pass |
|  |      |      | 40  | 5320.020 | 5250 to 5350 | Pass |
|  |      | 20   | 50  | 5319.960 | 5250 to 5350 | Pass |
|  |      |      | 102 | 5500.020 | 5470 to 5725 | Pass |
|  |      |      | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      |      | 138 | 5499.980 | 5470 to 5725 | Pass |

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|  |      |     |     |          |              |      |
|--|------|-----|-----|----------|--------------|------|
|  |      | -30 | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5500.000 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5499.980 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5499.960 | 5470 to 5725 | Pass |
|  | 5580 | 20  | 102 | 5579.980 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5579.980 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5580.000 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5580.000 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5579.980 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5579.960 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5580.040 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5580.000 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5579.940 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5579.960 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5579.960 | 5470 to 5725 | Pass |
|  | 5700 | 20  | 102 | 5699.960 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5700.000 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5699.980 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5699.960 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5699.980 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5699.960 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5699.960 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5699.960 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5699.960 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5699.980 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5699.980 | 5470 to 5725 | Pass |
|  | 5745 | 20  | 102 | 5745.040 | 5725 to 5850 | Pass |
|  |      |     | 120 | 5745.040 | 5725 to 5850 | Pass |
|  |      |     | 138 | 5745.020 | 5725 to 5850 | Pass |
|  |      | -30 | 120 | 5745.020 | 5725 to 5850 | Pass |
|  |      | -20 | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      | -10 | 120 | 5745.040 | 5725 to 5850 | Pass |
|  |      | 0   | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      | 10  | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      | 30  | 120 | 5745.020 | 5725 to 5850 | Pass |

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|                   |      |      |      |     |          |              |      |
|-------------------|------|------|------|-----|----------|--------------|------|
|                   |      | 5785 | 40   | 120 | 5745.000 | 5725 to 5850 | Pass |
|                   |      |      | 50   | 120 | 5745.020 | 5725 to 5850 | Pass |
|                   |      |      | 20   | 102 | 5785.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 120 | 5785.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 138 | 5784.980 | 5725 to 5850 | Pass |
|                   |      |      | -30  | 120 | 5785.000 | 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 | 5785.020 | 5725 to 5850 | Pass |
|                   |      |      | 30   | 120 | 5785.000 | 5725 to 5850 | Pass |
|                   |      |      | 40   | 120 | 5785.000 | 5725 to 5850 | Pass |
|                   |      |      | 50   | 120 | 5785.000 | 5725 to 5850 | Pass |
|                   |      |      | 5825 | 102 | 5825.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 120 | 5825.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 138 | 5825.040 | 5725 to 5850 | Pass |
|                   |      |      |      | -30 | 5824.980 | 5725 to 5850 | Pass |
|                   |      |      |      | -20 | 5824.980 | 5725 to 5850 | Pass |
|                   |      |      |      | -10 | 5824.980 | 5725 to 5850 | Pass |
|                   |      |      |      | 0   | 5825.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 10  | 5825.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 30  | 5825.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 40  | 5825.000 | 5725 to 5850 | Pass |
|                   |      |      |      | 50  | 5825.000 | 5725 to 5850 | Pass |
| 802.11n<br>(HT20) | MIMO | 5180 | 20   | 102 | 5179.940 | 5150 to 5250 | Pass |
|                   |      |      |      | 120 | 5180.000 | 5150 to 5250 | Pass |
|                   |      |      |      | 138 | 5179.940 | 5150 to 5250 | Pass |
|                   |      |      | -30  | 120 | 5179.960 | 5150 to 5250 | Pass |
|                   |      |      | -20  | 120 | 5179.960 | 5150 to 5250 | Pass |
|                   |      |      | -10  | 120 | 5179.980 | 5150 to 5250 | Pass |
|                   |      |      | 0    | 120 | 5179.960 | 5150 to 5250 | Pass |
|                   |      |      | 10   | 120 | 5179.980 | 5150 to 5250 | Pass |
|                   |      |      | 30   | 120 | 5180.000 | 5150 to 5250 | Pass |
|                   |      |      | 40   | 120 | 5180.000 | 5150 to 5250 | Pass |
|                   |      |      | 50   | 120 | 5179.960 | 5150 to 5250 | Pass |
|                   |      | 5200 | 20   | 102 | 5199.980 | 5150 to 5250 | Pass |
|                   |      |      |      | 120 | 5199.980 | 5150 to 5250 | Pass |
|                   |      |      |      | 138 | 5199.980 | 5150 to 5250 | Pass |
|                   |      |      | -30  | 120 | 5199.980 | 5150 to 5250 | Pass |

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|  |      |     |     |          |              |      |
|--|------|-----|-----|----------|--------------|------|
|  |      | -20 | 120 | 5199.980 | 5150 to 5250 | Pass |
|  |      | -10 | 120 | 5199.980 | 5150 to 5250 | Pass |
|  |      | 0   | 120 | 5199.940 | 5150 to 5250 | Pass |
|  |      | 10  | 120 | 5199.980 | 5150 to 5250 | Pass |
|  |      | 30  | 120 | 5199.960 | 5150 to 5250 | Pass |
|  |      | 40  | 120 | 5199.980 | 5150 to 5250 | Pass |
|  |      | 50  | 120 | 5199.980 | 5150 to 5250 | Pass |
|  | 5240 |     | 102 | 5240.020 | 5150 to 5250 | Pass |
|  |      | 20  | 120 | 5239.980 | 5150 to 5250 | Pass |
|  |      | 138 |     | 5239.960 | 5150 to 5250 | Pass |
|  |      | -30 | 120 | 5239.980 | 5150 to 5250 | Pass |
|  |      | -20 | 120 | 5239.980 | 5150 to 5250 | Pass |
|  |      | -10 | 120 | 5239.960 | 5150 to 5250 | Pass |
|  |      | 0   | 120 | 5239.980 | 5150 to 5250 | Pass |
|  |      | 10  | 120 | 5239.960 | 5150 to 5250 | Pass |
|  |      | 30  | 120 | 5239.960 | 5150 to 5250 | Pass |
|  |      | 40  | 120 | 5239.940 | 5150 to 5250 | Pass |
|  |      | 50  | 120 | 5239.940 | 5150 to 5250 | Pass |
|  | 5260 |     | 102 | 5259.960 | 5250 to 5350 | Pass |
|  |      | 20  | 120 | 5259.980 | 5250 to 5350 | Pass |
|  |      | 138 |     | 5259.980 | 5250 to 5350 | Pass |
|  |      | -30 | 120 | 5259.980 | 5250 to 5350 | Pass |
|  |      | -20 | 120 | 5259.960 | 5250 to 5350 | Pass |
|  |      | -10 | 120 | 5259.980 | 5250 to 5350 | Pass |
|  |      | 0   | 120 | 5259.940 | 5250 to 5350 | Pass |
|  |      | 10  | 120 | 5259.960 | 5250 to 5350 | Pass |
|  |      | 30  | 120 | 5259.940 | 5250 to 5350 | Pass |
|  |      | 40  | 120 | 5259.940 | 5250 to 5350 | Pass |
|  |      | 50  | 120 | 5259.940 | 5250 to 5350 | Pass |
|  | 5300 |     | 102 | 5299.960 | 5250 to 5350 | Pass |
|  |      | 20  | 120 | 5299.980 | 5250 to 5350 | Pass |
|  |      | 138 |     | 5299.960 | 5250 to 5350 | Pass |
|  |      | -30 | 120 | 5299.980 | 5250 to 5350 | Pass |
|  |      | -20 | 120 | 5299.980 | 5250 to 5350 | Pass |
|  |      | -10 | 120 | 5299.980 | 5250 to 5350 | Pass |
|  |      | 0   | 120 | 5300.000 | 5250 to 5350 | Pass |
|  |      | 10  | 120 | 5299.960 | 5250 to 5350 | Pass |
|  |      | 30  | 120 | 5300.000 | 5250 to 5350 | Pass |
|  |      | 40  | 120 | 5299.940 | 5250 to 5350 | Pass |

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|      |      |     |          |              |              |      |
|------|------|-----|----------|--------------|--------------|------|
|      |      | 50  | 120      | 5299.940     | 5250 to 5350 | Pass |
| 5320 | 20   | 102 | 5320.020 | 5250 to 5350 | Pass         |      |
|      |      | 120 | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | 138 | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | -30 | 5320.000 | 5250 to 5350 | Pass         |      |
|      | -20  | 120 | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | -10 | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | 0   | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | 10  | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | 30  | 5320.020 | 5250 to 5350 | Pass         |      |
|      |      | 40  | 5320.000 | 5250 to 5350 | Pass         |      |
|      | 5500 | 50  | 5320.000 | 5250 to 5350 | Pass         |      |
|      |      | 102 | 5499.940 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5499.980 | 5470 to 5725 | Pass         |      |
|      |      | 138 | 5499.940 | 5470 to 5725 | Pass         |      |
|      |      | -30 | 5500.000 | 5470 to 5725 | Pass         |      |
|      |      | -20 | 5499.960 | 5470 to 5725 | Pass         |      |
|      |      | -10 | 5499.980 | 5470 to 5725 | Pass         |      |
|      |      | 0   | 5499.960 | 5470 to 5725 | Pass         |      |
|      |      | 10  | 5499.980 | 5470 to 5725 | Pass         |      |
|      |      | 30  | 5500.000 | 5470 to 5725 | Pass         |      |
|      | 5580 | 40  | 5499.940 | 5470 to 5725 | Pass         |      |
|      |      | 50  | 5499.940 | 5470 to 5725 | Pass         |      |
|      |      | 102 | 5579.960 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5579.980 | 5470 to 5725 | Pass         |      |
|      |      | 138 | 5579.960 | 5470 to 5725 | Pass         |      |
|      |      | -30 | 5580.000 | 5470 to 5725 | Pass         |      |
|      |      | -20 | 5579.960 | 5470 to 5725 | Pass         |      |
|      |      | -10 | 5579.980 | 5470 to 5725 | Pass         |      |
|      |      | 0   | 5579.980 | 5470 to 5725 | Pass         |      |
|      |      | 10  | 5579.960 | 5470 to 5725 | Pass         |      |
|      | 5700 | 30  | 5580.000 | 5470 to 5725 | Pass         |      |
|      |      | 40  | 5579.980 | 5470 to 5725 | Pass         |      |
|      |      | 50  | 5580.000 | 5470 to 5725 | Pass         |      |
|      |      | 102 | 5700.020 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5700.020 | 5470 to 5725 | Pass         |      |
|      | -30  | 138 | 5700.000 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5700.020 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5700.000 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5700.000 | 5470 to 5725 | Pass         |      |

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# Compliance Certification Services (Kunshan) Inc.

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|  |      |     |     |          |              |      |
|--|------|-----|-----|----------|--------------|------|
|  |      | -10 | 120 | 5700.020 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5700.020 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5700.000 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5700.000 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5699.980 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5700.000 | 5470 to 5725 | Pass |
|  | 5745 | 20  | 102 | 5745.000 | 5725 to 5850 | Pass |
|  |      |     | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      |     | 138 | 5745.020 | 5725 to 5850 | Pass |
|  |      | -30 | 120 | 5744.960 | 5725 to 5850 | Pass |
|  |      | -20 | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      | -10 | 120 | 5745.020 | 5725 to 5850 | Pass |
|  |      | 0   | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      | 10  | 120 | 5745.020 | 5725 to 5850 | Pass |
|  |      | 30  | 120 | 5745.020 | 5725 to 5850 | Pass |
|  |      | 40  | 120 | 5745.000 | 5725 to 5850 | Pass |
|  |      | 50  | 120 | 5745.000 | 5725 to 5850 | Pass |
|  | 5785 | 20  | 102 | 5785.000 | 5725 to 5850 | Pass |
|  |      |     | 120 | 5784.980 | 5725 to 5850 | Pass |
|  |      |     | 138 | 5785.000 | 5725 to 5850 | Pass |
|  |      | -30 | 120 | 5785.020 | 5725 to 5850 | Pass |
|  |      | -20 | 120 | 5785.000 | 5725 to 5850 | Pass |
|  |      | -10 | 120 | 5784.980 | 5725 to 5850 | Pass |
|  |      | 0   | 120 | 5785.000 | 5725 to 5850 | Pass |
|  |      | 10  | 120 | 5784.960 | 5725 to 5850 | Pass |
|  |      | 30  | 120 | 5785.000 | 5725 to 5850 | Pass |
|  |      | 40  | 120 | 5785.000 | 5725 to 5850 | Pass |
|  |      | 50  | 120 | 5785.000 | 5725 to 5850 | Pass |
|  | 5825 | 20  | 102 | 5824.980 | 5725 to 5850 | Pass |
|  |      |     | 120 | 5825.000 | 5725 to 5850 | Pass |
|  |      |     | 138 | 5824.960 | 5725 to 5850 | Pass |
|  |      | -30 | 120 | 5824.980 | 5725 to 5850 | Pass |
|  |      | -20 | 120 | 5825.000 | 5725 to 5850 | Pass |
|  |      | -10 | 120 | 5824.980 | 5725 to 5850 | Pass |
|  |      | 0   | 120 | 5824.980 | 5725 to 5850 | Pass |
|  |      | 10  | 120 | 5825.020 | 5725 to 5850 | Pass |
|  |      | 30  | 120 | 5825.020 | 5725 to 5850 | Pass |
|  |      | 40  | 120 | 5825.000 | 5725 to 5850 | Pass |
|  |      | 50  | 120 | 5825.000 | 5725 to 5850 | Pass |

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|                   |      |      |      |     |          |              |              |              |      |
|-------------------|------|------|------|-----|----------|--------------|--------------|--------------|------|
| 802.11n<br>(HT40) | MIMO | 5190 | 20   | 102 | 5190.040 | 5150 to 5250 | Pass         |              |      |
|                   |      |      |      | 120 | 5190.120 | 5150 to 5250 | Pass         |              |      |
|                   |      |      |      | 138 | 5190.080 | 5150 to 5250 | Pass         |              |      |
|                   |      |      |      | -30 | 120      | 5190.080     | 5150 to 5250 | Pass         |      |
|                   |      |      |      | -20 | 120      | 5190.080     | 5150 to 5250 | Pass         |      |
|                   |      |      | 5230 | -10 | 120      | 5190.080     | 5150 to 5250 | Pass         |      |
|                   |      |      |      | 0   | 120      | 5190.120     | 5150 to 5250 | Pass         |      |
|                   |      |      |      | 10  | 120      | 5190.080     | 5150 to 5250 | Pass         |      |
|                   |      |      |      | 30  | 120      | 5190.080     | 5150 to 5250 | Pass         |      |
|                   |      |      |      | 40  | 120      | 5190.080     | 5150 to 5250 | Pass         |      |
|                   |      |      | 5270 | 50  | 120      | 5190.120     | 5150 to 5250 | Pass         |      |
|                   |      |      |      | 20  | 102      | 5230.120     | 5150 to 5250 | Pass         |      |
|                   |      |      |      |     | 120      | 5230.080     | 5150 to 5250 | Pass         |      |
|                   |      |      |      |     | 138      | 5230.120     | 5150 to 5250 | Pass         |      |
|                   |      |      |      |     | -30      | 120          | 5230.120     | 5150 to 5250 | Pass |
|                   |      |      |      | -20 | 120      | 5230.040     | 5150 to 5250 | Pass         |      |
|                   |      |      |      |     | -10      | 120          | 5230.080     | 5150 to 5250 | Pass |
|                   |      |      |      |     | 0        | 120          | 5230.080     | 5150 to 5250 | Pass |
|                   |      |      |      |     | 10       | 120          | 5230.160     | 5150 to 5250 | Pass |
|                   |      |      |      |     | 30       | 120          | 5230.120     | 5150 to 5250 | Pass |
|                   |      |      | 5310 | 20  | 40       | 120          | 5230.080     | 5150 to 5250 | Pass |
|                   |      |      |      |     | 50       | 120          | 5230.120     | 5150 to 5250 | Pass |
|                   |      |      |      |     | 102      | 5270.040     | 5250 to 5350 | Pass         |      |
|                   |      |      |      |     | 120      | 5270.080     | 5250 to 5350 | Pass         |      |
|                   |      |      |      |     | 138      | 5270.080     | 5250 to 5350 | Pass         |      |
|                   |      |      | -30  | -20 | -30      | 120          | 5270.120     | 5250 to 5350 | Pass |
|                   |      |      |      |     | -20      | 120          | 5270.080     | 5250 to 5350 | Pass |
|                   |      |      |      |     | -10      | 120          | 5270.040     | 5250 to 5350 | Pass |
|                   |      |      |      |     | 0        | 120          | 5270.040     | 5250 to 5350 | Pass |
|                   |      |      |      |     | 10       | 120          | 5270.080     | 5250 to 5350 | Pass |
|                   |      |      | -10  | -20 | 30       | 120          | 5270.040     | 5250 to 5350 | Pass |
|                   |      |      |      |     | 40       | 120          | 5270.080     | 5250 to 5350 | Pass |
|                   |      |      |      |     | 50       | 120          | 5270.040     | 5250 to 5350 | Pass |
|                   |      |      |      |     | 102      | 5310.120     | 5250 to 5350 | Pass         |      |
|                   |      |      |      |     | 120      | 5310.040     | 5250 to 5350 | Pass         |      |
|                   |      |      | -30  | -20 | 138      | 5310.040     | 5250 to 5350 | Pass         |      |
|                   |      |      |      |     | -30      | 120          | 5310.040     | 5250 to 5350 | Pass |
|                   |      |      |      |     | -20      | 120          | 5310.040     | 5250 to 5350 | Pass |
|                   |      |      |      |     | -10      | 120          | 5310.120     | 5250 to 5350 | Pass |

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|  |      |     |      |          |              |              |              |
|--|------|-----|------|----------|--------------|--------------|--------------|
|  |      | 0   | 120  | 5310.080 | 5250 to 5350 | Pass         |              |
|  |      | 10  | 120  | 5310.040 | 5250 to 5350 | Pass         |              |
|  |      | 30  | 120  | 5310.120 | 5250 to 5350 | Pass         |              |
|  |      | 40  | 120  | 5310.120 | 5250 to 5350 | Pass         |              |
|  |      | 50  | 120  | 5310.040 | 5250 to 5350 | Pass         |              |
|  | 5510 | 20  | 102  | 5510.080 | 5470 to 5725 | Pass         |              |
|  |      |     | 120  | 5510.120 | 5470 to 5725 | Pass         |              |
|  |      |     | 138  | 5510.080 | 5470 to 5725 | Pass         |              |
|  |      |     | -30  | 120      | 5510.120     | 5470 to 5725 | Pass         |
|  |      |     | -20  | 120      | 5510.080     | 5470 to 5725 | Pass         |
|  |      | -10 | 120  | 5510.040 | 5470 to 5725 | Pass         |              |
|  |      |     | 0    | 120      | 5510.080     | 5470 to 5725 | Pass         |
|  |      |     | 10   | 120      | 5510.000     | 5470 to 5725 | Pass         |
|  |      |     | 30   | 120      | 5510.080     | 5470 to 5725 | Pass         |
|  |      |     | 40   | 120      | 5510.040     | 5470 to 5725 | Pass         |
|  |      | 50  | 120  | 5510.080 | 5470 to 5725 | Pass         |              |
|  |      |     | 102  | 5550.040 | 5470 to 5725 | Pass         |              |
|  |      |     | 120  | 5550.080 | 5470 to 5725 | Pass         |              |
|  |      |     | 138  | 5550.040 | 5470 to 5725 | Pass         |              |
|  |      |     | -30  | 120      | 5550.080     | 5470 to 5725 | Pass         |
|  | 5550 | 20  | -20  | 120      | 5550.080     | 5470 to 5725 | Pass         |
|  |      |     | -10  | 120      | 5550.080     | 5470 to 5725 | Pass         |
|  |      |     | 0    | 120      | 5550.120     | 5470 to 5725 | Pass         |
|  |      |     | 10   | 120      | 5550.080     | 5470 to 5725 | Pass         |
|  |      |     | 30   | 120      | 5549.960     | 5470 to 5725 | Pass         |
|  |      | -10 | 40   | 120      | 5550.120     | 5470 to 5725 | Pass         |
|  |      |     | 50   | 120      | 5550.000     | 5470 to 5725 | Pass         |
|  |      |     | 102  | 5670.120 | 5470 to 5725 | Pass         |              |
|  |      |     | 120  | 5670.080 | 5470 to 5725 | Pass         |              |
|  |      |     | 138  | 5670.120 | 5470 to 5725 | Pass         |              |
|  | 5670 | 20  | -30  | 120      | 5670.120     | 5470 to 5725 | Pass         |
|  |      |     | -20  | 120      | 5670.080     | 5470 to 5725 | Pass         |
|  |      |     | -10  | 120      | 5670.080     | 5470 to 5725 | Pass         |
|  |      |     | 0    | 120      | 5670.120     | 5470 to 5725 | Pass         |
|  |      |     | 10   | 120      | 5670.080     | 5470 to 5725 | Pass         |
|  |      | -10 | 30   | 120      | 5670.120     | 5470 to 5725 | Pass         |
|  |      |     | 40   | 120      | 5670.080     | 5470 to 5725 | Pass         |
|  |      |     | 50   | 120      | 5670.080     | 5470 to 5725 | Pass         |
|  |      |     | 5755 | 20       | 102          | 5755.120     | 5725 to 5850 |

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# Compliance Certification Services (Kunshan) Inc.

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|                  |      |      |      |     |          |              |              |      |  |  |
|------------------|------|------|------|-----|----------|--------------|--------------|------|--|--|
|                  |      | 5795 |      | 120 | 5755.120 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 138 | 5755.120 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | -30  | 120 | 5755.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | -20  | 120 | 5755.040 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | -10  | 120 | 5755.120 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 0    | 120 | 5755.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 10   | 120 | 5755.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 30   | 120 | 5755.120 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 40   | 120 | 5755.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 50   | 120 | 5755.120 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 5180 | 102 | 5795.000 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 20  | 5795.040 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 138 | 5795.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | -30 | 5795.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | -20 | 5795.040 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | -10 | 5795.040 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 0   | 5795.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 10  | 5795.040 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 30  | 5795.080 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      |      | 40  | 5795.040 | 5725 to 5850 | Pass         |      |  |  |
|                  |      |      | 5200 | 50  | 5795.080 | 5725 to 5850 | Pass         |      |  |  |
| 802.11ac (VHT20) | MIMO |      |      | 20  | 102      | 5179.980     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 120      | 5180.020     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 138      | 5180.020     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | -30      | 5180.020     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | -20      | 5180.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      | 10  | -10      | 5180.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 0        | 5179.980     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 10       | 5180.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 30       | 5180.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 40       | 5179.960     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      | 20  | 50       | 5180.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 102      | 5200.040     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 120      | 5200.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 138      | 5200.020     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | -30      | 5200.020     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      | -20 | -20      | 5200.020     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | -10      | 5200.000     | 5150 to 5250 | Pass |  |  |
|                  |      |      |      |     | 0        | 5200.020     | 5150 to 5250 | Pass |  |  |

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|  |  |      |     |          |              |              |      |
|--|--|------|-----|----------|--------------|--------------|------|
|  |  |      | 10  | 120      | 5200.040     | 5150 to 5250 | Pass |
|  |  |      | 30  | 120      | 5200.000     | 5150 to 5250 | Pass |
|  |  |      | 40  | 120      | 5200.040     | 5150 to 5250 | Pass |
|  |  |      | 50  | 120      | 5200.020     | 5150 to 5250 | Pass |
|  |  | 5240 | 102 | 5240.020 | 5150 to 5250 | Pass         |      |
|  |  |      | 120 | 5240.020 | 5150 to 5250 | Pass         |      |
|  |  |      | 138 | 5240.020 | 5150 to 5250 | Pass         |      |
|  |  |      | -30 | 120      | 5240.020     | 5150 to 5250 | Pass |
|  |  |      | -20 | 120      | 5240.020     | 5150 to 5250 | Pass |
|  |  |      | -10 | 120      | 5240.040     | 5150 to 5250 | Pass |
|  |  |      | 0   | 120      | 5240.040     | 5150 to 5250 | Pass |
|  |  |      | 10  | 120      | 5240.020     | 5150 to 5250 | Pass |
|  |  |      | 30  | 120      | 5240.000     | 5150 to 5250 | Pass |
|  |  |      | 40  | 120      | 5240.020     | 5150 to 5250 | Pass |
|  |  |      | 50  | 120      | 5240.000     | 5150 to 5250 | Pass |
|  |  | 5260 | 102 | 5260.040 | 5250 to 5350 | Pass         |      |
|  |  |      | 120 | 5260.000 | 5250 to 5350 | Pass         |      |
|  |  |      | 138 | 5260.000 | 5250 to 5350 | Pass         |      |
|  |  |      | -30 | 120      | 5260.040     | 5250 to 5350 | Pass |
|  |  |      | -20 | 120      | 5260.000     | 5250 to 5350 | Pass |
|  |  |      | -10 | 120      | 5260.000     | 5250 to 5350 | Pass |
|  |  |      | 0   | 120      | 5260.020     | 5250 to 5350 | Pass |
|  |  |      | 10  | 120      | 5260.020     | 5250 to 5350 | Pass |
|  |  |      | 30  | 120      | 5260.000     | 5250 to 5350 | Pass |
|  |  |      | 40  | 120      | 5260.020     | 5250 to 5350 | Pass |
|  |  |      | 50  | 120      | 5260.020     | 5250 to 5350 | Pass |
|  |  | 5300 | 102 | 5300.000 | 5250 to 5350 | Pass         |      |
|  |  |      | 120 | 5300.020 | 5250 to 5350 | Pass         |      |
|  |  |      | 138 | 5300.000 | 5250 to 5350 | Pass         |      |
|  |  |      | -30 | 120      | 5300.020     | 5250 to 5350 | Pass |
|  |  |      | -20 | 120      | 5300.000     | 5250 to 5350 | Pass |
|  |  |      | -10 | 120      | 5300.020     | 5250 to 5350 | Pass |
|  |  |      | 0   | 120      | 5300.020     | 5250 to 5350 | Pass |
|  |  |      | 10  | 120      | 5300.020     | 5250 to 5350 | Pass |
|  |  |      | 30  | 120      | 5300.020     | 5250 to 5350 | Pass |
|  |  |      | 40  | 120      | 5300.000     | 5250 to 5350 | Pass |
|  |  |      | 50  | 120      | 5300.020     | 5250 to 5350 | Pass |
|  |  | 5320 | 102 | 5320.020 | 5250 to 5350 | Pass         |      |
|  |  |      | 120 | 5320.000 | 5250 to 5350 | Pass         |      |

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|  |      |     |     |          |              |      |
|--|------|-----|-----|----------|--------------|------|
|  |      |     | 138 | 5320.020 | 5250 to 5350 | Pass |
|  |      | -30 | 120 | 5320.000 | 5250 to 5350 | Pass |
|  |      | -20 | 120 | 5320.000 | 5250 to 5350 | Pass |
|  |      | -10 | 120 | 5319.980 | 5250 to 5350 | Pass |
|  |      | 0   | 120 | 5320.000 | 5250 to 5350 | Pass |
|  |      | 10  | 120 | 5320.000 | 5250 to 5350 | Pass |
|  |      | 30  | 120 | 5320.000 | 5250 to 5350 | Pass |
|  |      | 40  | 120 | 5320.000 | 5250 to 5350 | Pass |
|  |      | 50  | 120 | 5320.000 | 5250 to 5350 | Pass |
|  | 5500 | 20  | 102 | 5500.000 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5500.020 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5500.020 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5499.960 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5500.000 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5500.000 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5500.020 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5500.000 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5500.000 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5500.000 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5500.000 | 5470 to 5725 | Pass |
|  | 5580 | 20  | 102 | 5580.020 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5580.020 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5580.040 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5580.040 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5580.020 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5580.040 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5580.020 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5580.020 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5580.020 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5580.040 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5580.020 | 5470 to 5725 | Pass |
|  | 5700 | 20  | 102 | 5700.020 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5700.000 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5700.000 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5700.020 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5700.000 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5700.040 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5700.040 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5700.020 | 5470 to 5725 | Pass |

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|                     |      |      |    |     |          |              |      |
|---------------------|------|------|----|-----|----------|--------------|------|
|                     |      |      | 30 | 120 | 5700.020 | 5470 to 5725 | Pass |
|                     |      |      | 40 | 120 | 5700.020 | 5470 to 5725 | Pass |
|                     |      |      | 50 | 120 | 5700.000 | 5470 to 5725 | Pass |
|                     |      | 5745 | 20 | 102 | 5745.020 | 5725 to 5850 | Pass |
|                     |      |      |    | 120 | 5745.020 | 5725 to 5850 | Pass |
|                     |      |      |    | 138 | 5745.040 | 5725 to 5850 | Pass |
|                     |      |      |    | -30 | 5745.020 | 5725 to 5850 | Pass |
|                     |      |      |    | -20 | 5745.000 | 5725 to 5850 | Pass |
|                     |      |      |    | -10 | 5745.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 0   | 5745.020 | 5725 to 5850 | Pass |
|                     |      |      |    | 10  | 5745.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 30  | 5745.020 | 5725 to 5850 | Pass |
|                     |      |      |    | 40  | 5745.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 50  | 5745.000 | 5725 to 5850 | Pass |
|                     |      | 5785 | 20 | 102 | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 120 | 5784.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 138 | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | -30 | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | -20 | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | -10 | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 0   | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 10  | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 30  | 5784.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 40  | 5785.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 50  | 5785.000 | 5725 to 5850 | Pass |
|                     |      | 5825 | 20 | 102 | 5825.000 | 5725 to 5850 | Pass |
|                     |      |      |    | 120 | 5824.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 138 | 5824.980 | 5725 to 5850 | Pass |
|                     |      |      |    | -30 | 5825.000 | 5725 to 5850 | Pass |
|                     |      |      |    | -20 | 5825.000 | 5725 to 5850 | Pass |
|                     |      |      |    | -10 | 5824.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 0   | 5824.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 10  | 5824.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 30  | 5824.980 | 5725 to 5850 | Pass |
|                     |      |      |    | 40  | 5825.020 | 5725 to 5850 | Pass |
|                     |      |      |    | 50  | 5825.000 | 5725 to 5850 | Pass |
| 802.11ac<br>(VHT40) | MIMO | 5190 | 20 | 102 | 5190.080 | 5150 to 5250 | Pass |
|                     |      |      |    | 120 | 5190.080 | 5150 to 5250 | Pass |
|                     |      |      |    | 138 | 5190.080 | 5150 to 5250 | Pass |

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|  |      |     |     |          |              |      |
|--|------|-----|-----|----------|--------------|------|
|  |      | -30 | 120 | 5190.120 | 5150 to 5250 | Pass |
|  |      | -20 | 120 | 5190.120 | 5150 to 5250 | Pass |
|  |      | -10 | 120 | 5190.120 | 5150 to 5250 | Pass |
|  |      | 0   | 120 | 5190.040 | 5150 to 5250 | Pass |
|  |      | 10  | 120 | 5190.040 | 5150 to 5250 | Pass |
|  |      | 30  | 120 | 5190.040 | 5150 to 5250 | Pass |
|  |      | 40  | 120 | 5190.120 | 5150 to 5250 | Pass |
|  |      | 50  | 120 | 5190.120 | 5150 to 5250 | Pass |
|  | 5230 | 20  | 102 | 5230.120 | 5150 to 5250 | Pass |
|  |      |     | 120 | 5230.120 | 5150 to 5250 | Pass |
|  |      |     | 138 | 5230.080 | 5150 to 5250 | Pass |
|  |      | -30 | 120 | 5230.120 | 5150 to 5250 | Pass |
|  |      | -20 | 120 | 5230.160 | 5150 to 5250 | Pass |
|  |      | -10 | 120 | 5230.120 | 5150 to 5250 | Pass |
|  |      | 0   | 120 | 5230.120 | 5150 to 5250 | Pass |
|  |      | 10  | 120 | 5230.080 | 5150 to 5250 | Pass |
|  |      | 30  | 120 | 5230.120 | 5150 to 5250 | Pass |
|  |      | 40  | 120 | 5230.120 | 5150 to 5250 | Pass |
|  |      | 50  | 120 | 5230.120 | 5150 to 5250 | Pass |
|  | 5270 | 20  | 102 | 5270.040 | 5250 to 5350 | Pass |
|  |      |     | 120 | 5270.120 | 5250 to 5350 | Pass |
|  |      |     | 138 | 5270.080 | 5250 to 5350 | Pass |
|  |      | -30 | 120 | 5270.040 | 5250 to 5350 | Pass |
|  |      | -20 | 120 | 5270.160 | 5250 to 5350 | Pass |
|  |      | -10 | 120 | 5270.080 | 5250 to 5350 | Pass |
|  |      | 0   | 120 | 5270.080 | 5250 to 5350 | Pass |
|  |      | 10  | 120 | 5270.080 | 5250 to 5350 | Pass |
|  |      | 30  | 120 | 5270.080 | 5250 to 5350 | Pass |
|  |      | 40  | 120 | 5270.040 | 5250 to 5350 | Pass |
|  |      | 50  | 120 | 5270.080 | 5250 to 5350 | Pass |
|  | 5310 | 20  | 102 | 5310.080 | 5250 to 5350 | Pass |
|  |      |     | 120 | 5310.040 | 5250 to 5350 | Pass |
|  |      |     | 138 | 5310.080 | 5250 to 5350 | Pass |
|  |      | -30 | 120 | 5310.040 | 5250 to 5350 | Pass |
|  |      | -20 | 120 | 5310.080 | 5250 to 5350 | Pass |
|  |      | -10 | 120 | 5310.080 | 5250 to 5350 | Pass |
|  |      | 0   | 120 | 5310.080 | 5250 to 5350 | Pass |
|  |      | 10  | 120 | 5310.040 | 5250 to 5350 | Pass |
|  |      | 30  | 120 | 5310.040 | 5250 to 5350 | Pass |

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# Compliance Certification Services (Kunshan) Inc.

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|  |      |     |     |          |              |      |
|--|------|-----|-----|----------|--------------|------|
|  | 5510 | 40  | 120 | 5310.040 | 5250 to 5350 | Pass |
|  |      | 50  | 120 | 5310.040 | 5250 to 5350 | Pass |
|  |      | 20  | 102 | 5510.040 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5510.080 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5510.120 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5510.120 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5510.080 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5510.040 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5510.120 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5510.080 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5510.040 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5510.080 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5510.080 | 5470 to 5725 | Pass |
|  | 5550 | 20  | 102 | 5550.080 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5550.080 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5550.120 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5550.000 | 5470 to 5725 | Pass |
|  |      | -20 | 120 | 5550.080 | 5470 to 5725 | Pass |
|  |      | -10 | 120 | 5550.080 | 5470 to 5725 | Pass |
|  |      | 0   | 120 | 5550.040 | 5470 to 5725 | Pass |
|  |      | 10  | 120 | 5550.040 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5550.080 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5550.080 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5550.080 | 5470 to 5725 | Pass |
|  | 5670 | 20  | 102 | 5670.160 | 5470 to 5725 | Pass |
|  |      |     | 120 | 5670.080 | 5470 to 5725 | Pass |
|  |      |     | 138 | 5670.120 | 5470 to 5725 | Pass |
|  |      | -30 | 120 | 5670.080 | 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 | 5670.120 | 5470 to 5725 | Pass |
|  |      | 30  | 120 | 5670.120 | 5470 to 5725 | Pass |
|  |      | 40  | 120 | 5670.080 | 5470 to 5725 | Pass |
|  |      | 50  | 120 | 5670.080 | 5470 to 5725 | Pass |
|  | 5755 | 20  | 102 | 5755.120 | 5725 to 5850 | Pass |
|  |      |     | 120 | 5755.080 | 5725 to 5850 | Pass |
|  |      |     | 138 | 5755.080 | 5725 to 5850 | Pass |
|  |      | -30 | 120 | 5755.080 | 5725 to 5850 | Pass |

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# Compliance Certification Services (Kunshan) Inc.

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|                     |      |      |     |     |          |              |      |
|---------------------|------|------|-----|-----|----------|--------------|------|
|                     |      | 5795 | -20 | 120 | 5755.040 | 5725 to 5850 | Pass |
|                     |      |      | -10 | 120 | 5755.080 | 5725 to 5850 | Pass |
|                     |      |      | 0   | 120 | 5755.040 | 5725 to 5850 | Pass |
|                     |      |      | 10  | 120 | 5755.040 | 5725 to 5850 | Pass |
|                     |      |      | 30  | 120 | 5755.040 | 5725 to 5850 | Pass |
|                     |      |      | 40  | 120 | 5755.080 | 5725 to 5850 | Pass |
|                     |      |      | 50  | 120 | 5755.080 | 5725 to 5850 | Pass |
|                     |      |      | 20  | 102 | 5795.000 | 5725 to 5850 | Pass |
|                     |      |      |     | 120 | 5795.080 | 5725 to 5850 | Pass |
|                     |      |      |     | 138 | 5795.040 | 5725 to 5850 | Pass |
|                     |      |      |     | -30 | 5795.080 | 5725 to 5850 | Pass |
|                     |      |      |     | -20 | 5795.040 | 5725 to 5850 | Pass |
|                     |      |      |     | -10 | 5795.040 | 5725 to 5850 | Pass |
|                     |      |      |     | 0   | 5795.080 | 5725 to 5850 | Pass |
|                     |      |      |     | 10  | 5795.040 | 5725 to 5850 | Pass |
|                     |      |      |     | 30  | 5795.080 | 5725 to 5850 | Pass |
|                     |      |      |     | 40  | 5795.000 | 5725 to 5850 | Pass |
|                     |      |      |     | 50  | 5795.120 | 5725 to 5850 | Pass |
| 802.11ac<br>(VHT80) | MIMO | 5210 | 20  | 102 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      |     | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      |     | 138 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | -30 | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | -20 | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | -10 | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | 0   | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | 10  | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | 30  | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | 40  | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      |      | 50  | 120 | 5210.075 | 5150 to 5250 | Pass |
|                     |      | 5290 | 20  | 102 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      |     | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      |     | 138 | 5290.000 | 5250 to 5350 | Pass |
|                     |      |      | -30 | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      | -20 | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      | -10 | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      | 0   | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      | 10  | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      | 30  | 120 | 5290.075 | 5250 to 5350 | Pass |
|                     |      |      | 40  | 120 | 5290.075 | 5250 to 5350 | Pass |

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# Compliance Certification Services (Kunshan) Inc.

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|      |      |     |          |              |              |      |
|------|------|-----|----------|--------------|--------------|------|
|      |      | 50  | 120      | 5290.075     | 5250 to 5350 | Pass |
| 5530 | 20   | 102 | 5530.075 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5530.075 | 5470 to 5725 | Pass         |      |
|      |      | 138 | 5530.075 | 5470 to 5725 | Pass         |      |
|      |      | -30 | 120      | 5530.075     | 5470 to 5725 | Pass |
|      | -20  | 120 | 5530.000 | 5470 to 5725 | Pass         |      |
|      |      | -10 | 120      | 5530.075     | 5470 to 5725 | Pass |
|      |      | 0   | 120      | 5530.000     | 5470 to 5725 | Pass |
|      |      | 10  | 120      | 5530.075     | 5470 to 5725 | Pass |
|      |      | 30  | 120      | 5530.075     | 5470 to 5725 | Pass |
|      |      | 40  | 120      | 5530.075     | 5470 to 5725 | Pass |
|      | 5610 | 50  | 120      | 5530.075     | 5470 to 5725 | Pass |
|      |      | 102 | 5610.075 | 5470 to 5725 | Pass         |      |
|      |      | 120 | 5610.075 | 5470 to 5725 | Pass         |      |
|      |      | 138 | 5610.000 | 5470 to 5725 | Pass         |      |
|      |      | -30 | 120      | 5610.150     | 5470 to 5725 | Pass |
|      |      | -20 | 120      | 5610.150     | 5470 to 5725 | Pass |
|      |      | -10 | 120      | 5610.075     | 5470 to 5725 | Pass |
|      |      | 0   | 120      | 5610.075     | 5470 to 5725 | Pass |
|      |      | 10  | 120      | 5610.150     | 5470 to 5725 | Pass |
|      |      | 30  | 120      | 5610.150     | 5470 to 5725 | Pass |
|      | 5775 | 40  | 120      | 5610.150     | 5470 to 5725 | Pass |
|      |      | 50  | 120      | 5610.150     | 5470 to 5725 | Pass |
|      |      | 102 | 5775.075 | 5725 to 5850 | Pass         |      |
|      |      | 120 | 5775.075 | 5725 to 5850 | Pass         |      |
|      |      | 138 | 5775.150 | 5725 to 5850 | Pass         |      |
|      |      | -30 | 120      | 5775.075     | 5725 to 5850 | Pass |
|      |      | -20 | 120      | 5775.075     | 5725 to 5850 | Pass |
|      |      | -10 | 120      | 5775.075     | 5725 to 5850 | Pass |
|      |      | 0   | 120      | 5775.000     | 5725 to 5850 | Pass |
|      |      | 10  | 120      | 5775.075     | 5725 to 5850 | Pass |
|      | 5775 | 30  | 120      | 5775.075     | 5725 to 5850 | Pass |
|      |      | 40  | 120      | 5775.075     | 5725 to 5850 | Pass |
|      |      | 50  | 120      | 5775.075     | 5725 to 5850 | Pass |

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