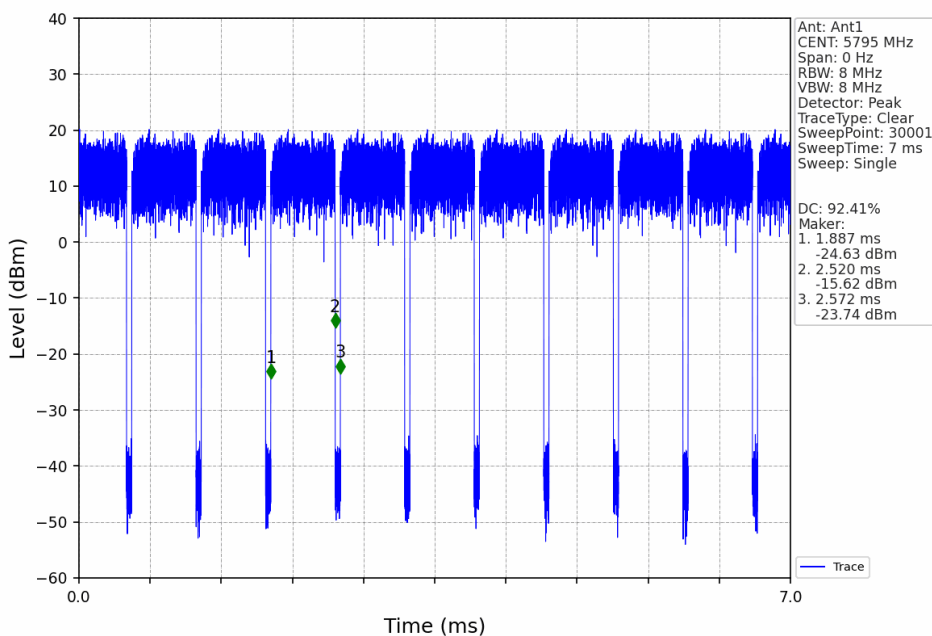


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|----------------|---------|-----------------|-----|------------------------------|-------|---------|
| | | | | Result | Limit | |
| 802.11a | SISO | 5180 | 1 | 16.775 | / | Pass |
| | | 5200 | 1 | 16.800 | / | Pass |
| | | 5240 | 1 | 16.775 | / | Pass |
| | | 5260 | 1 | 16.794 | / | Pass |
| | | 5300 | 1 | 16.781 | / | Pass |
| | | 5320 | 1 | 16.755 | / | Pass |
| | | 5500 | 1 | 16.764 | / | Pass |
| | | 5580 | 1 | 16.769 | / | Pass |
| | | 5700 | 1 | 16.792 | / | Pass |
| | | 5745 | 1 | 16.763 | / | Pass |
| | | 5785 | 1 | 16.771 | / | Pass |
| | | 5825 | 1 | 16.774 | / | Pass |
| 802.11n (HT20) | SISO | 5180 | 1 | 17.767 | / | Pass |
| | | 5200 | 1 | 35.213 | / | Pass |
| | | 5240 | 1 | 35.175 | / | Pass |
| | | 5260 | 1 | 17.769 | / | Pass |
| | | 5300 | 1 | 17.769 | / | Pass |
| | | 5320 | 1 | 17.783 | / | Pass |
| | | 5500 | 1 | 17.774 | / | Pass |
| | | 5580 | 1 | 17.779 | / | Pass |
| | | 5700 | 1 | 17.786 | / | Pass |
| | | 5745 | 1 | 17.774 | / | Pass |
| | | 5785 | 1 | 17.772 | / | Pass |
| | | 5825 | 1 | 17.777 | / | Pass |
| 802.11n (HT40) | SISO | 5190 | 1 | 35.180 | / | Pass |
| | | 5230 | 1 | 35.160 | / | Pass |
| | | 5270 | 1 | 35.192 | / | Pass |
| | | 5310 | 1 | 35.179 | / | Pass |
| | | 5510 | 1 | 35.178 | / | Pass |
| | | 5550 | 1 | 35.123 | / | Pass |
| | | 5670 | 1 | 35.192 | / | Pass |



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| | | | | | | |
|--|--|------|---|--------|---|------|
| | | 5755 | 1 | 35.160 | / | Pass |
| | | 5795 | 1 | 35.205 | / | Pass |

2.1.2 6dB BW

| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) | | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
| | | | | Result | Limit | |
| 802.11a | SISO | 5745 | 1 | 15.107 | ≥ 0.5 | Pass |
| | | 5785 | 1 | 15.115 | ≥ 0.5 | Pass |
| | | 5825 | 1 | 15.093 | ≥ 0.5 | Pass |
| 802.11n (HT20) | SISO | 5745 | 1 | 15.117 | ≥ 0.5 | Pass |
| | | 5785 | 1 | 15.108 | ≥ 0.5 | Pass |
| | | 5825 | 1 | 15.107 | ≥ 0.5 | Pass |
| 802.11n (HT40) | SISO | 5755 | 1 | 30.091 | ≥ 0.5 | Pass |
| | | 5795 | 1 | 31.320 | ≥ 0.5 | Pass |

2.1.3 26dB BW

| Mode | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) | | Verdict |
|----------------|---------|-----------------|-----|----------------------|-------|---------|
| | | | | Result | Limit | |
| 802.11a | SISO | 5180 | 1 | 19.025 | / | Pass |
| | | 5200 | 1 | 19.085 | / | Pass |
| | | 5240 | 1 | 19.039 | / | Pass |
| | | 5260 | 1 | 19.063 | / | Pass |
| | | 5300 | 1 | 18.742 | / | Pass |
| | | 5320 | 1 | 19.062 | / | Pass |
| | | 5500 | 1 | 19.023 | / | Pass |
| | | 5580 | 1 | 18.982 | / | Pass |
| | | 5700 | 1 | 19.045 | / | Pass |
| 802.11n (HT20) | SISO | 5180 | 1 | 20.258 | / | Pass |
| | | 5200 | 1 | 37.434 | / | Pass |
| | | 5240 | 1 | 37.388 | / | Pass |
| | | 5260 | 1 | 19.947 | / | Pass |
| | | 5300 | 1 | 19.858 | / | Pass |
| | | 5320 | 1 | 19.973 | / | Pass |
| | | 5500 | 1 | 19.881 | / | Pass |
| | | 5580 | 1 | 20.019 | / | Pass |
| | | 5700 | 1 | 19.842 | / | Pass |
| 802.11n (HT40) | SISO | 5190 | 1 | 38.027 | / | Pass |
| | | 5230 | 1 | 38.004 | / | Pass |
| | | 5270 | 1 | 38.028 | / | Pass |



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| | | | | | | |
|--|--|------|---|--------|---|------|
| | | 5310 | 1 | 38.084 | / | Pass |
| | | 5510 | 1 | 38.037 | / | Pass |
| | | 5550 | 1 | 37.987 | / | Pass |
| | | 5670 | 1 | 38.070 | / | Pass |



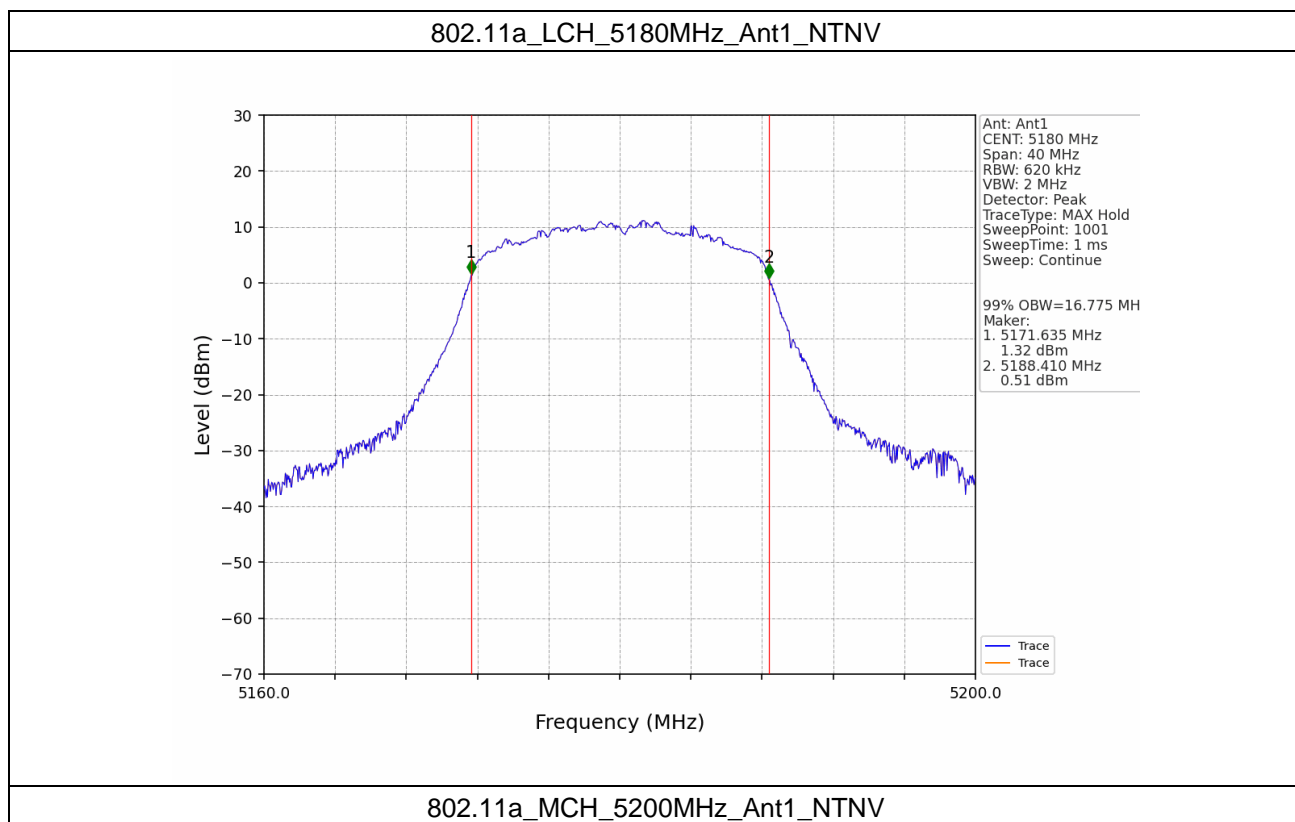
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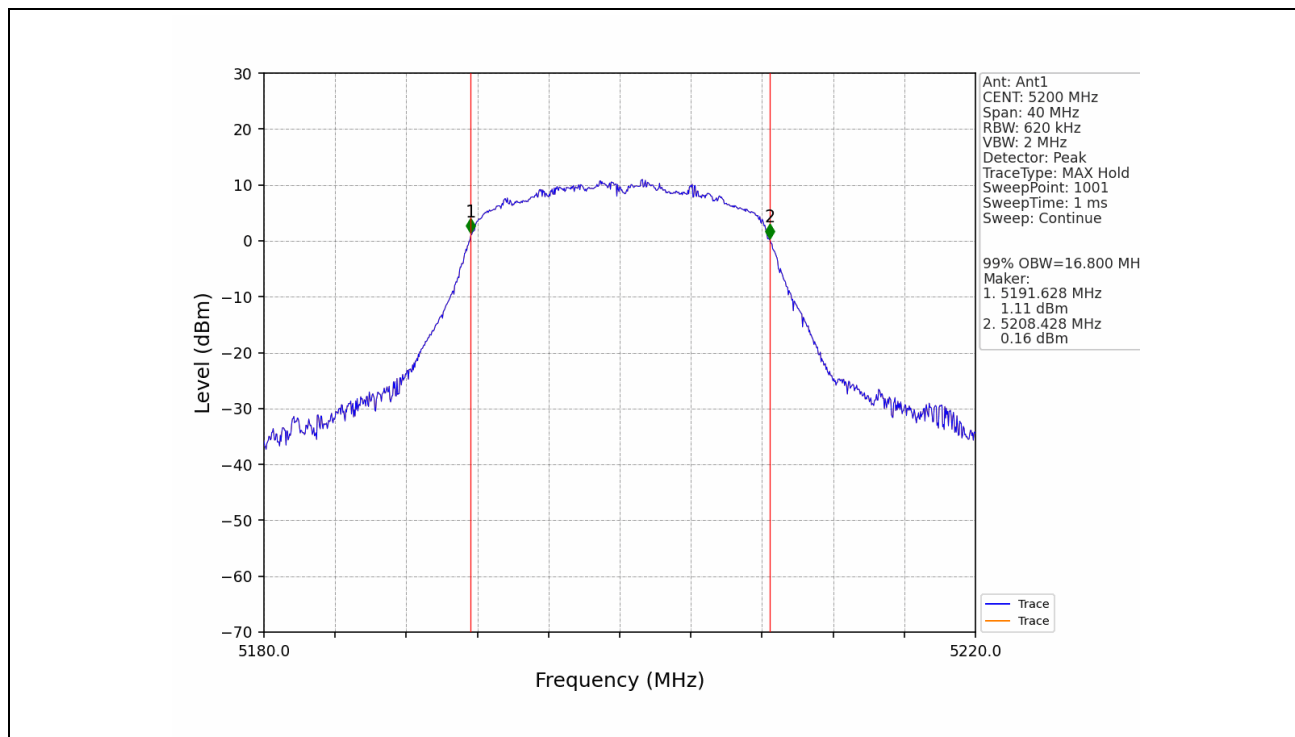
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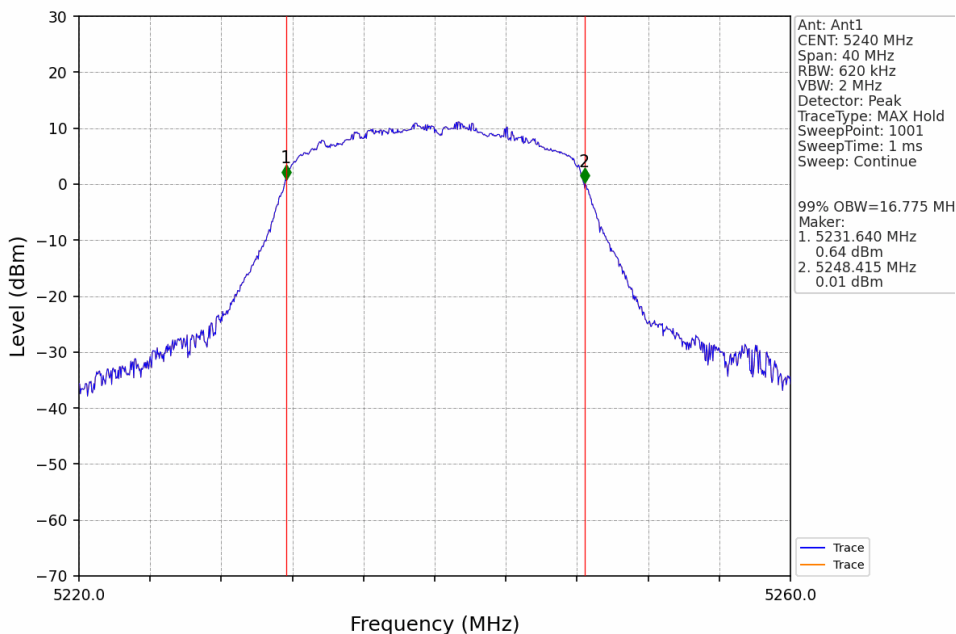
2.2 Test Graph

2.2.1 OBW

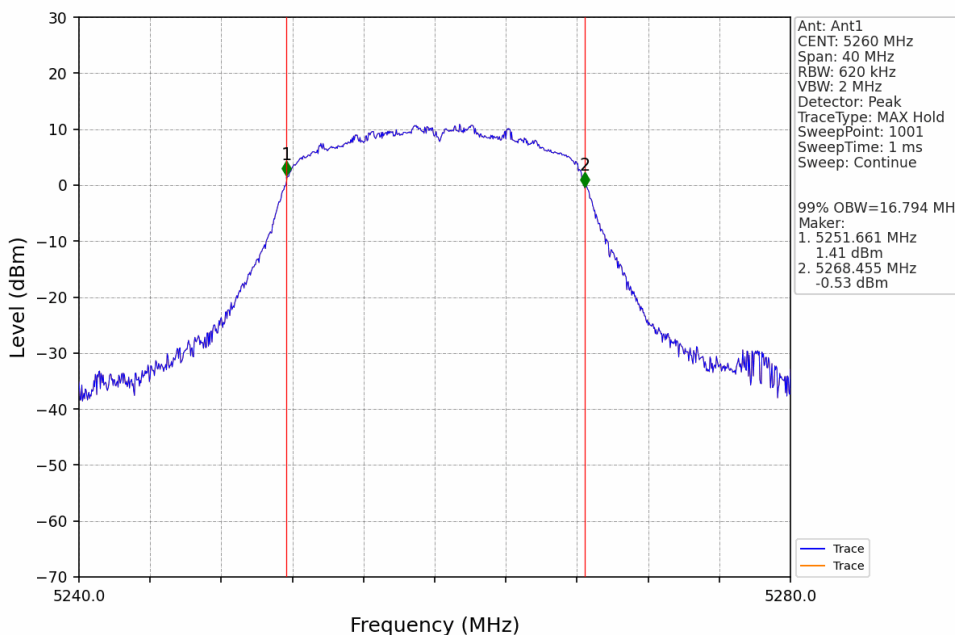




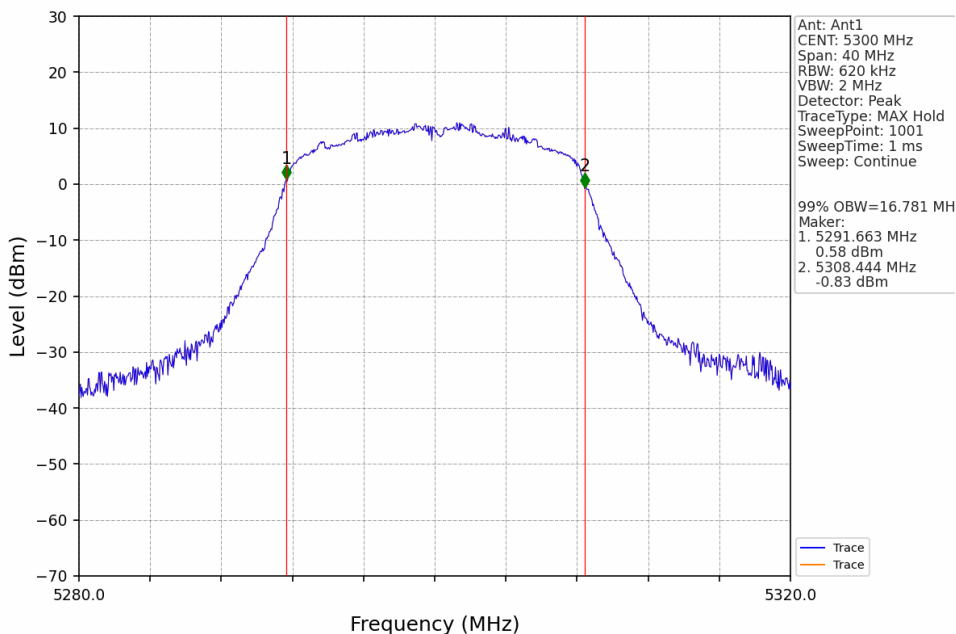
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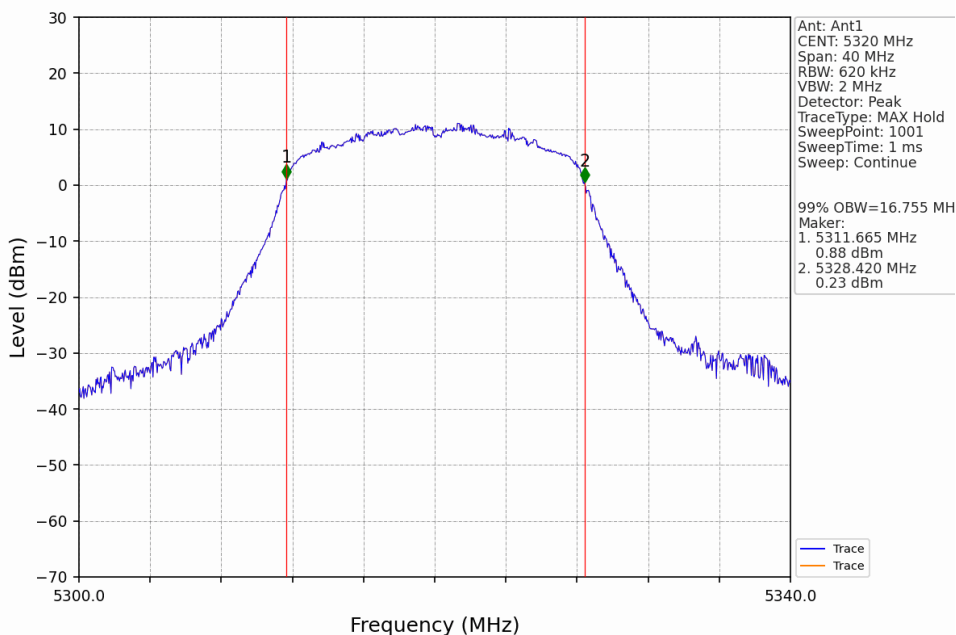
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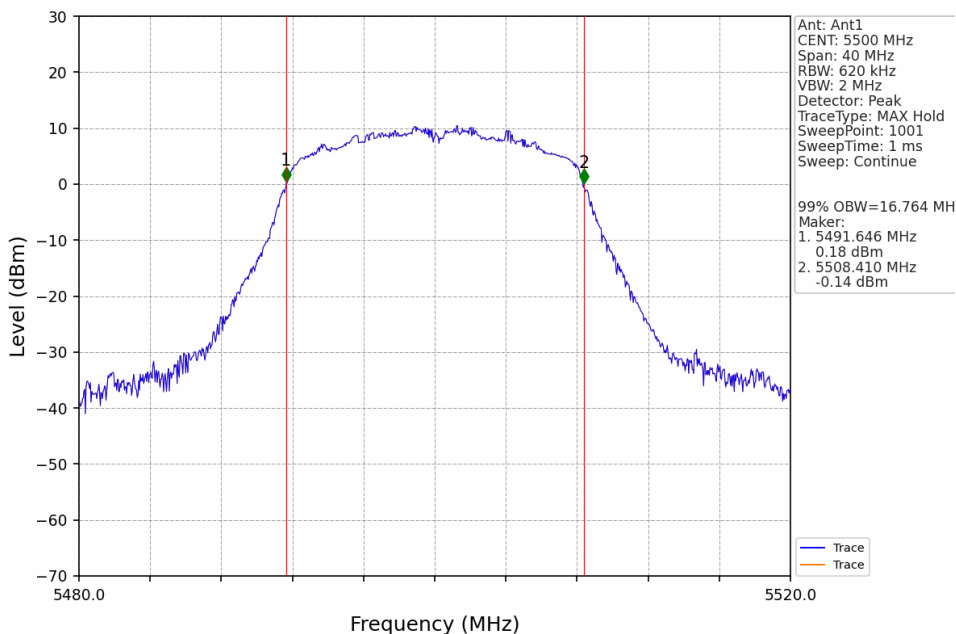
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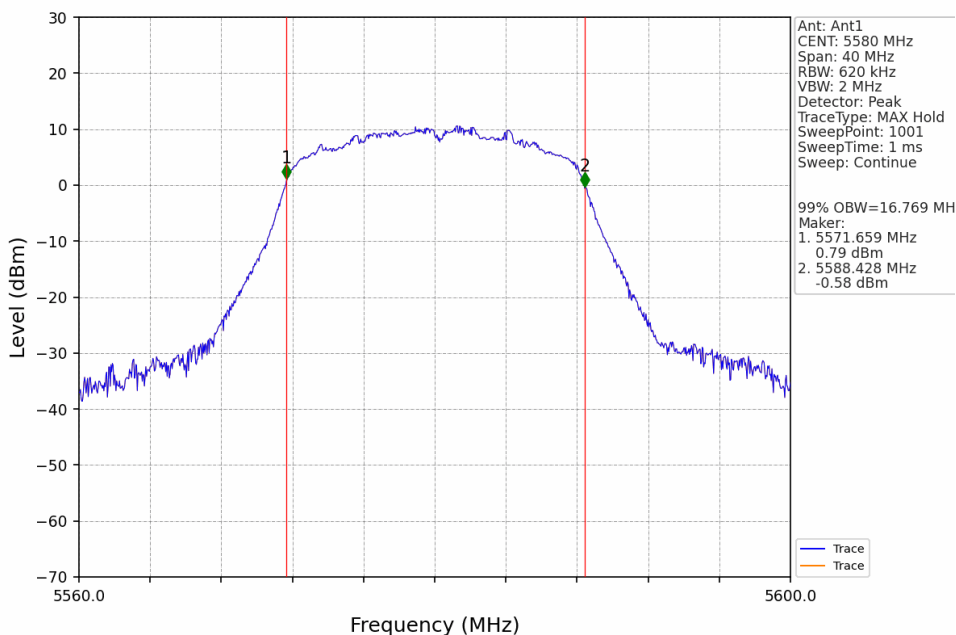
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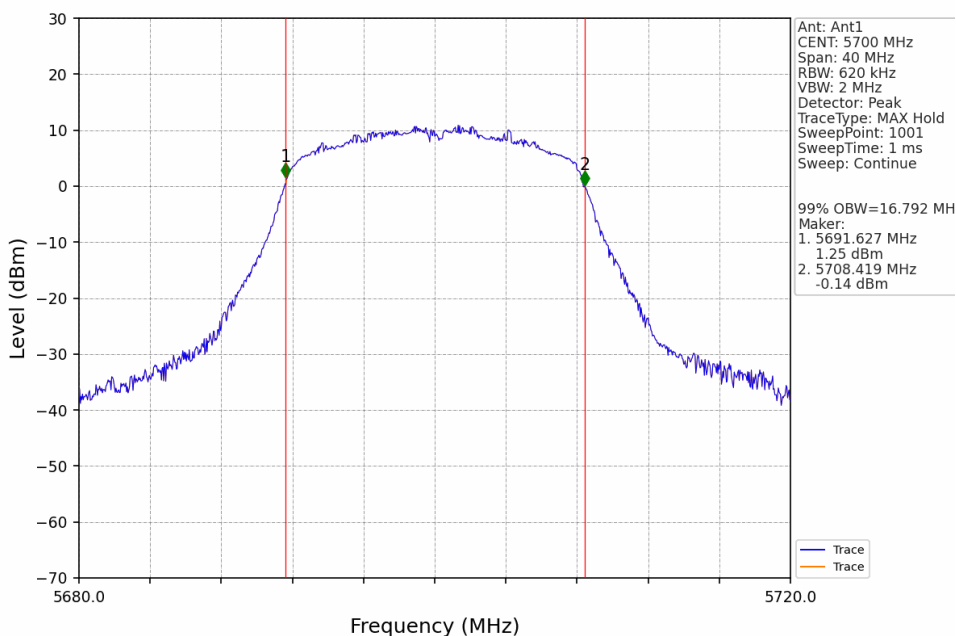
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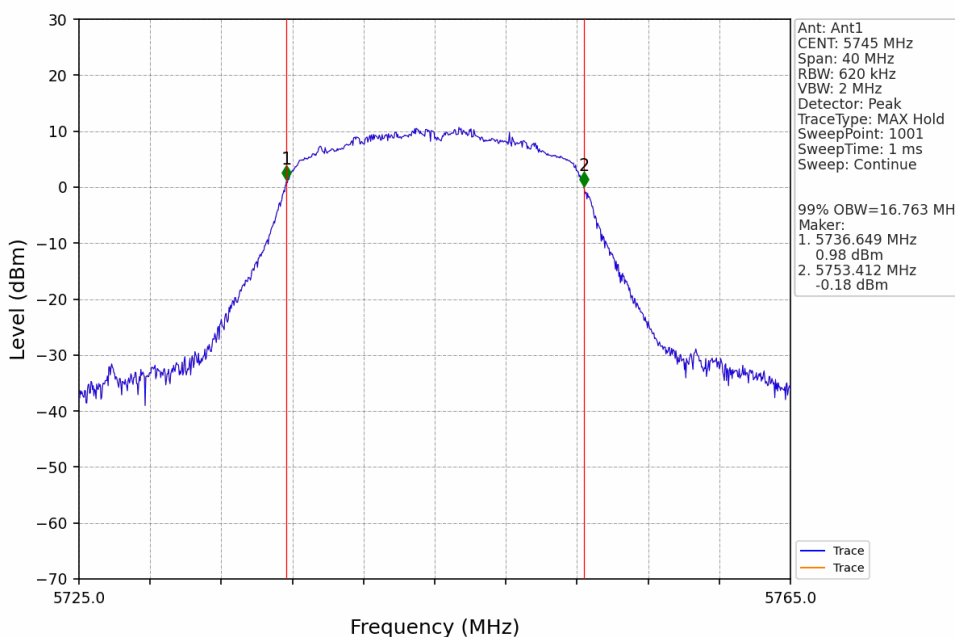
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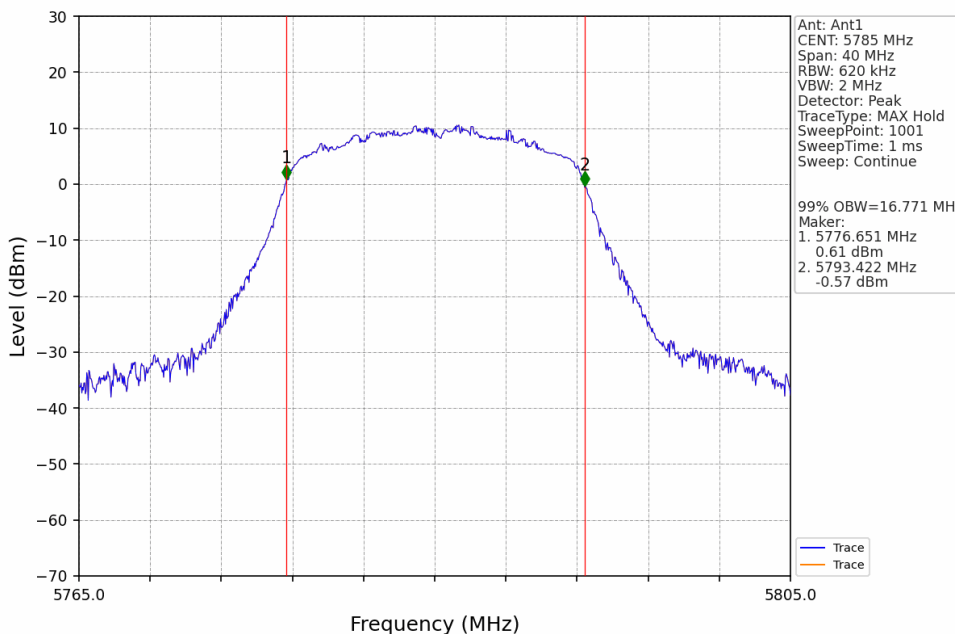
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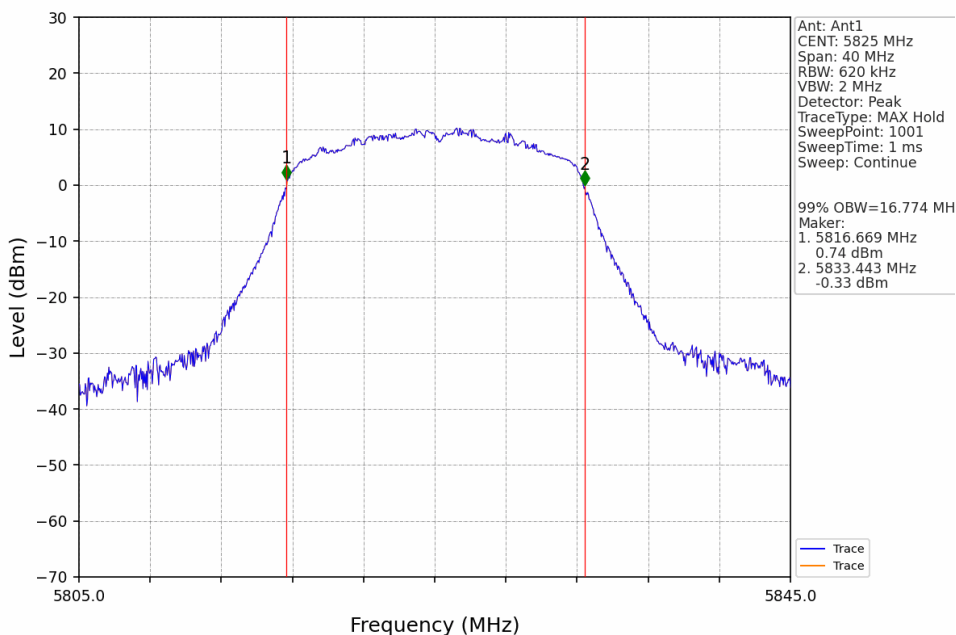
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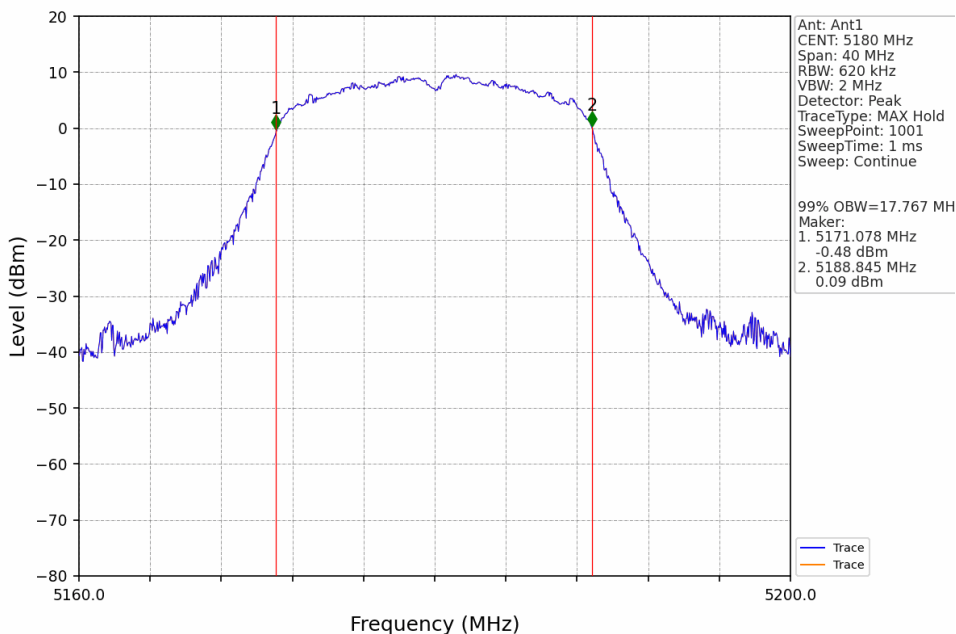
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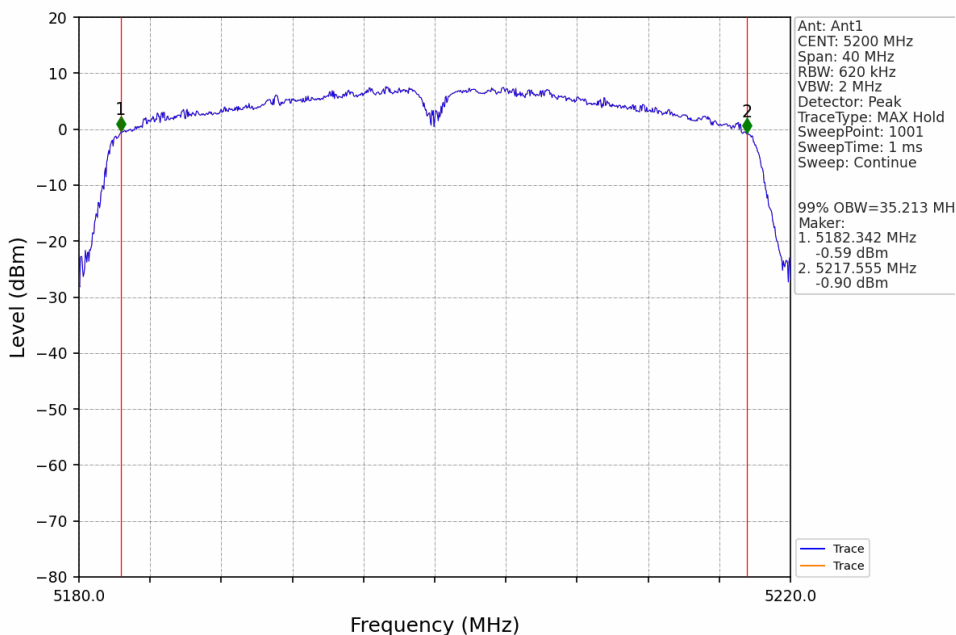
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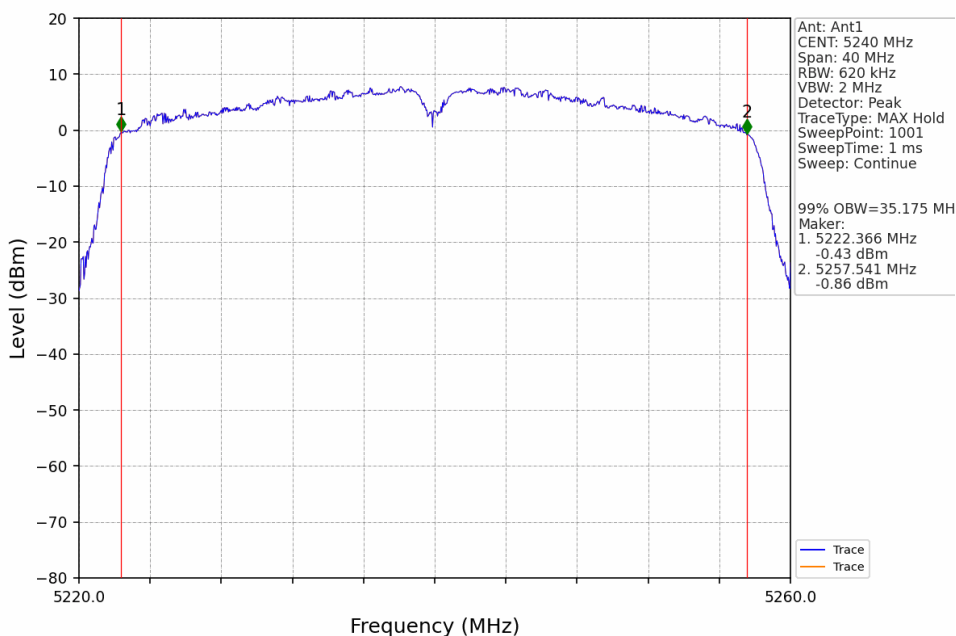
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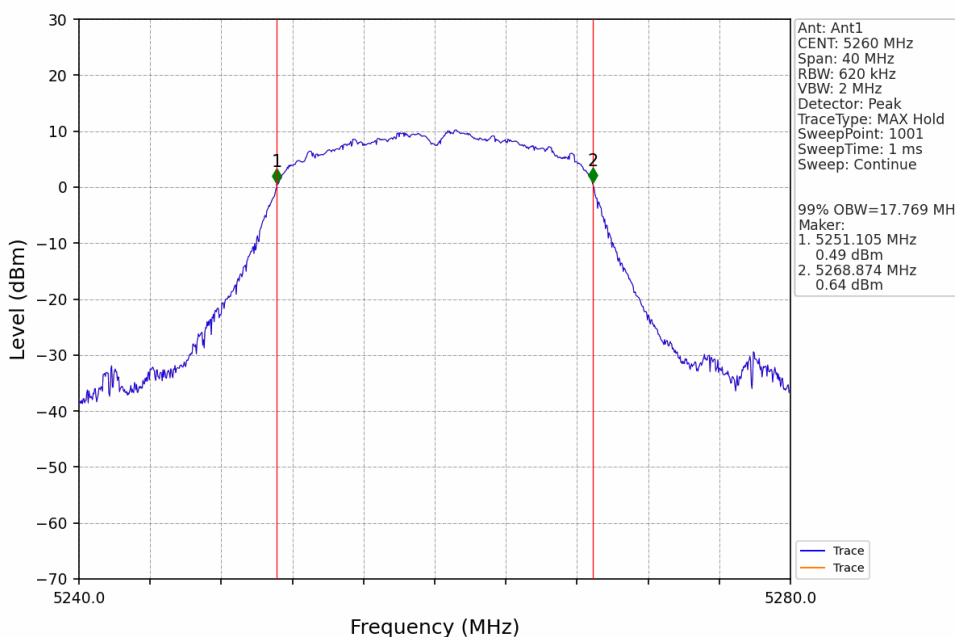
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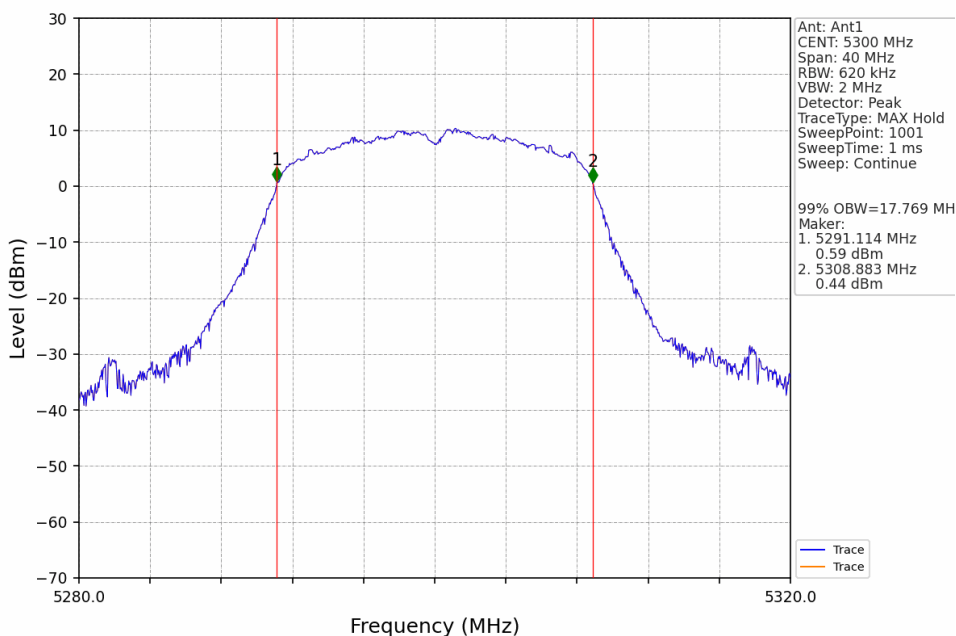
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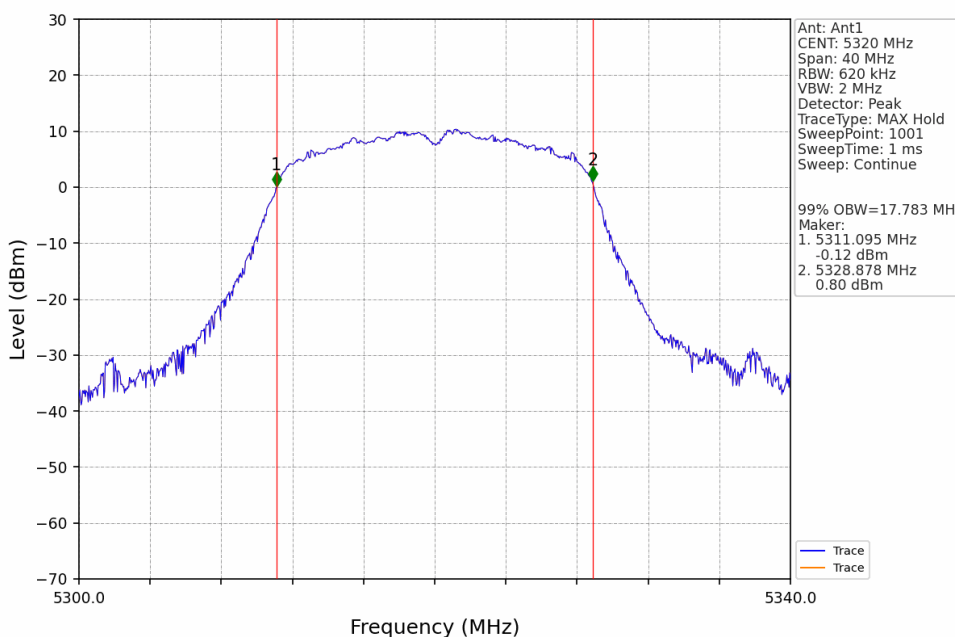
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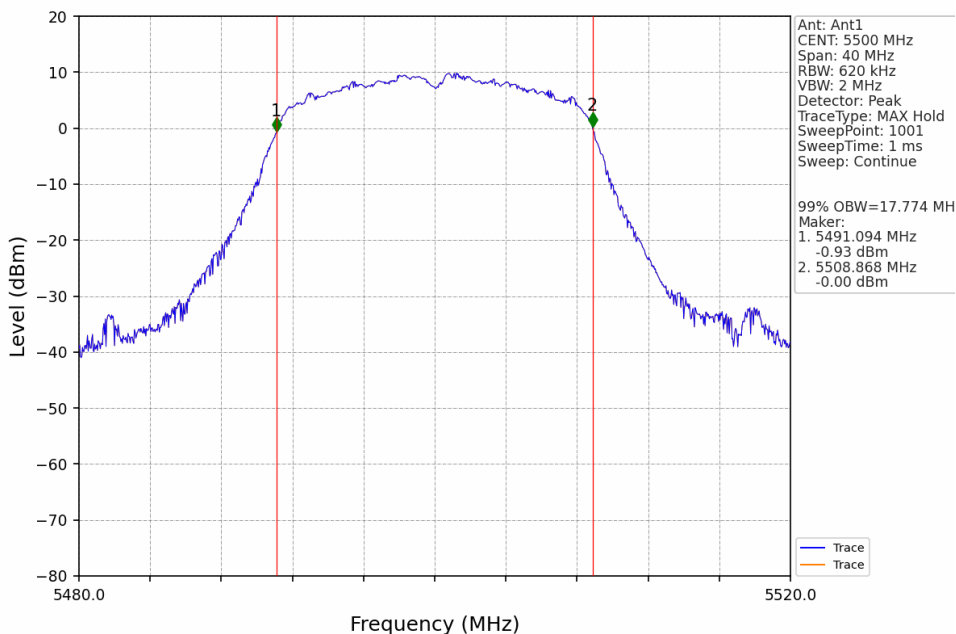
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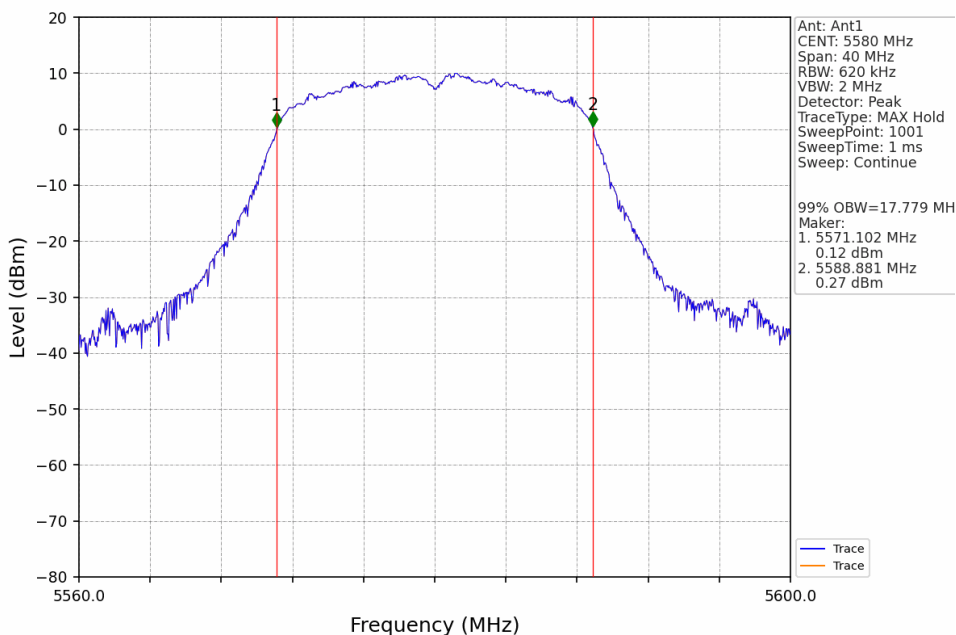
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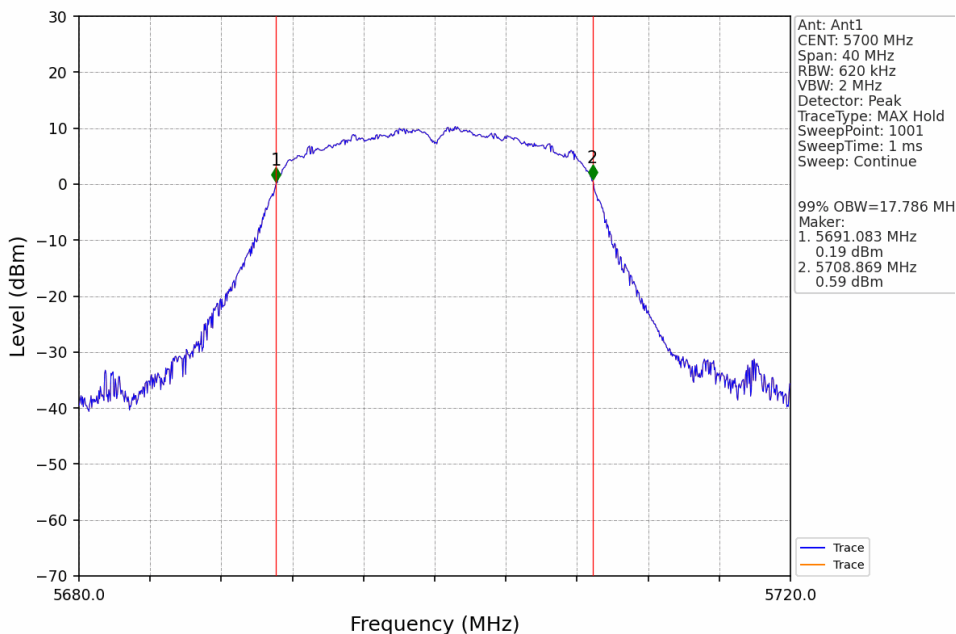
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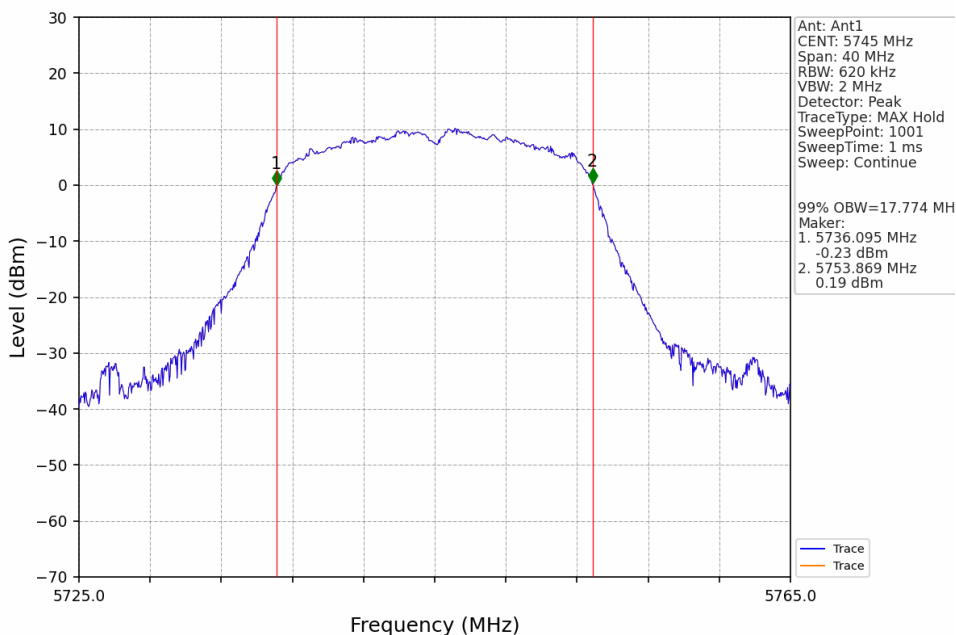
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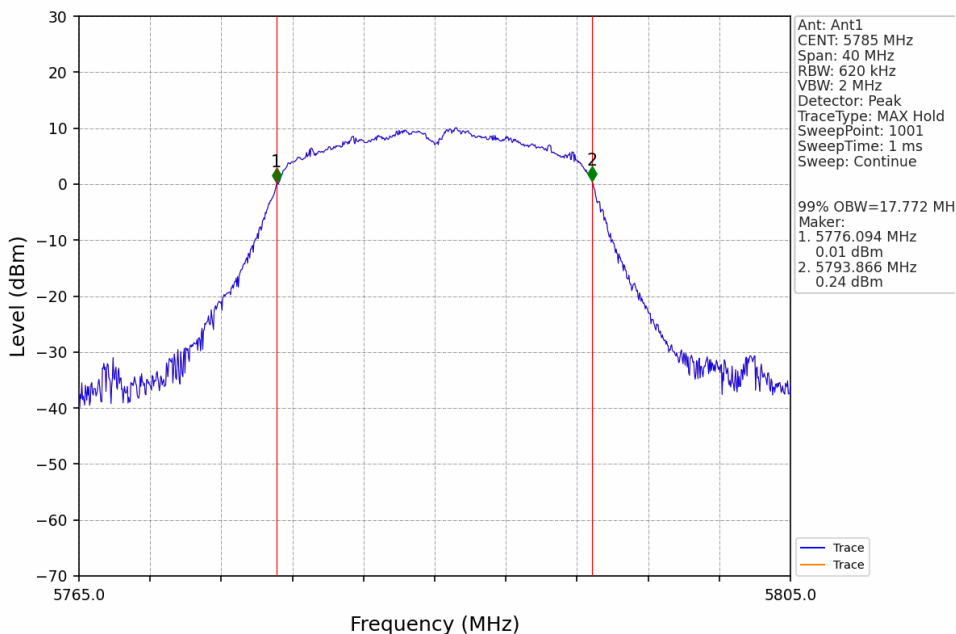
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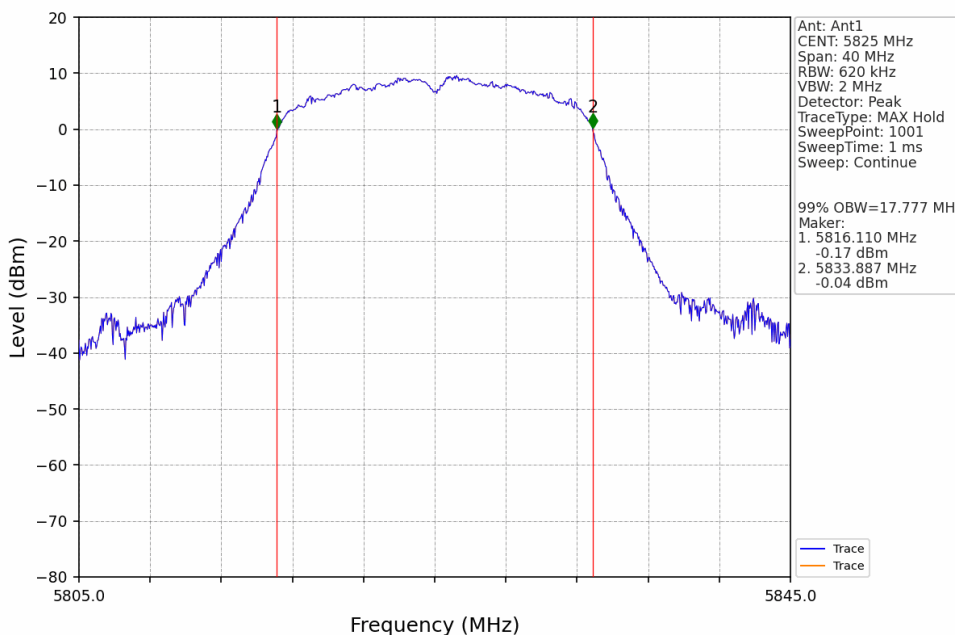
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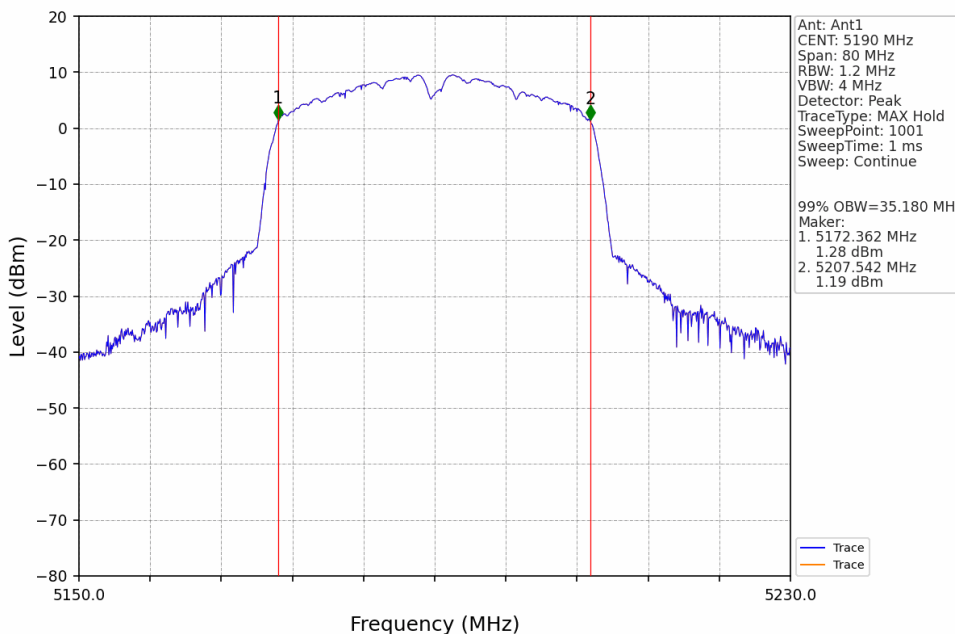
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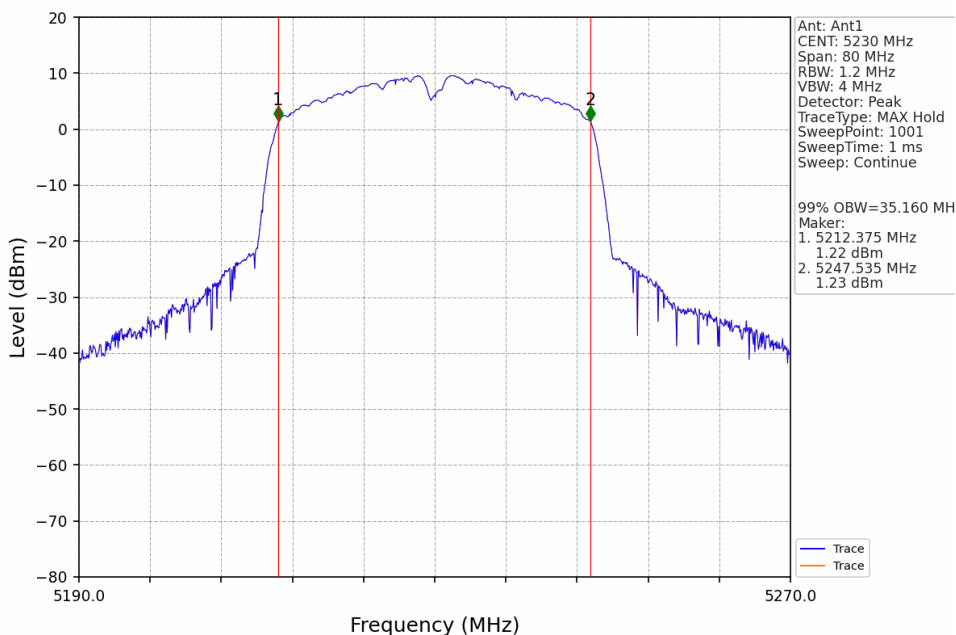
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



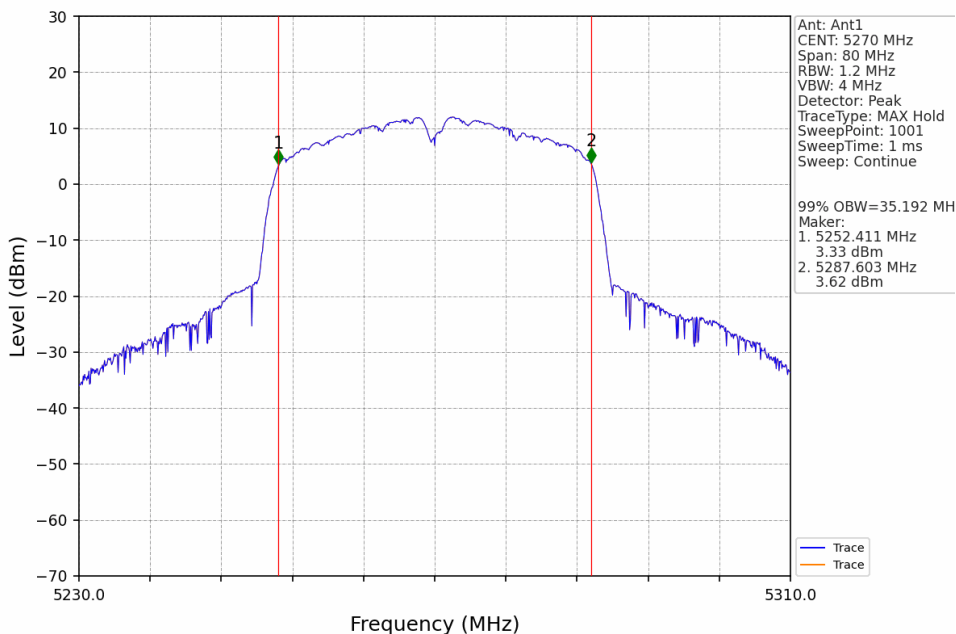
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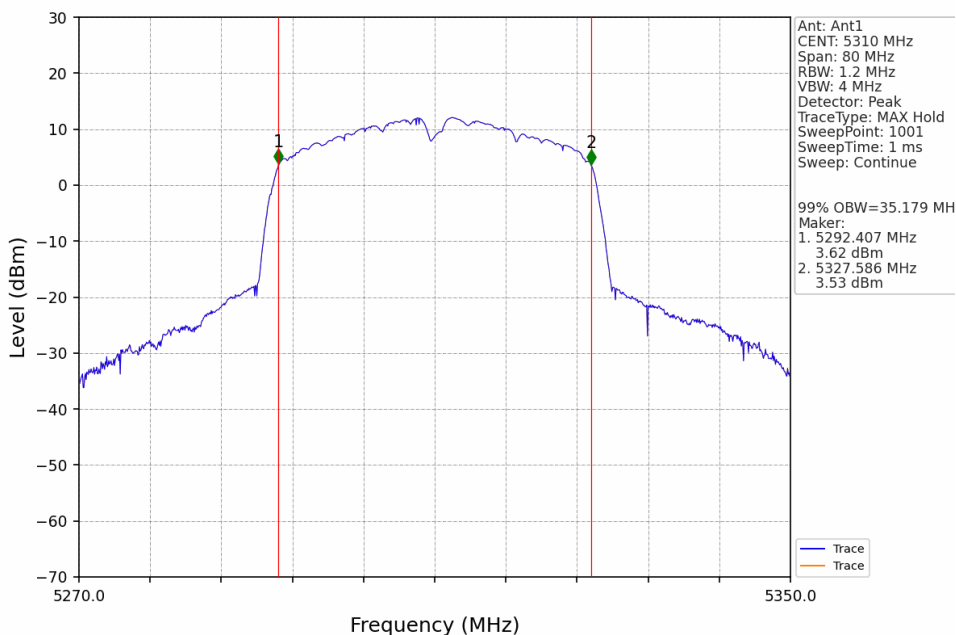
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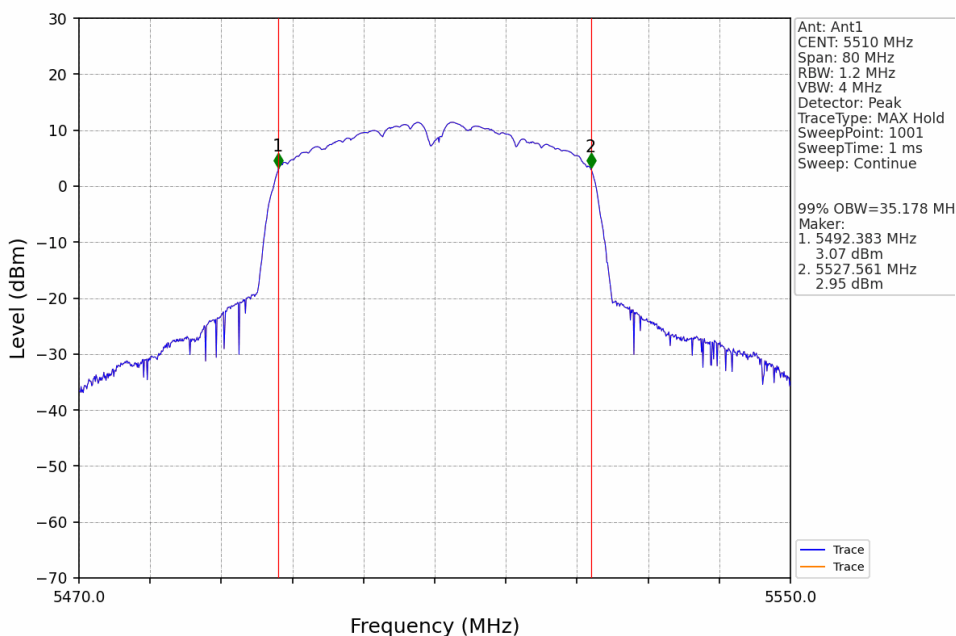
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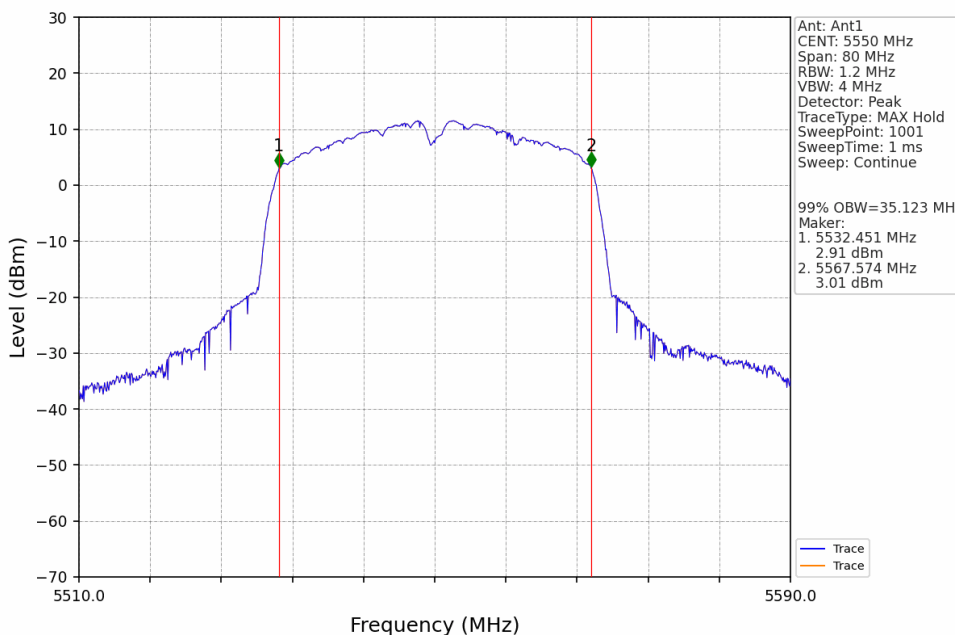
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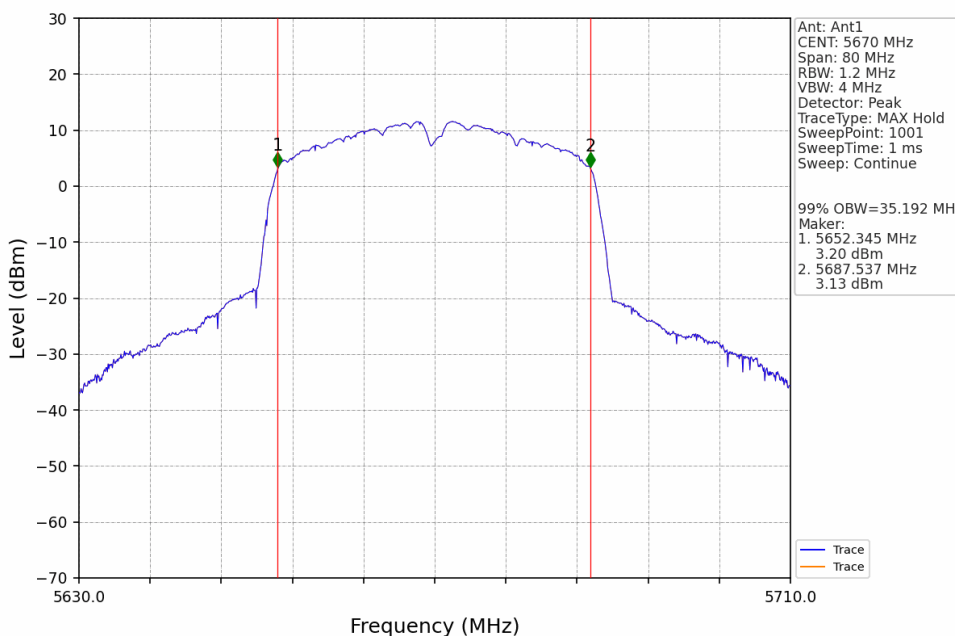
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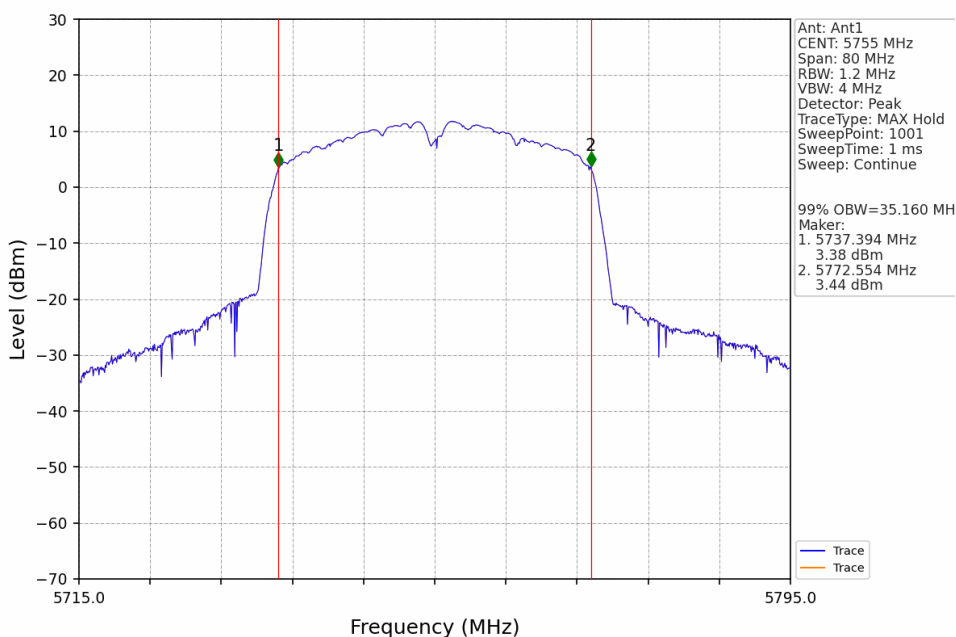
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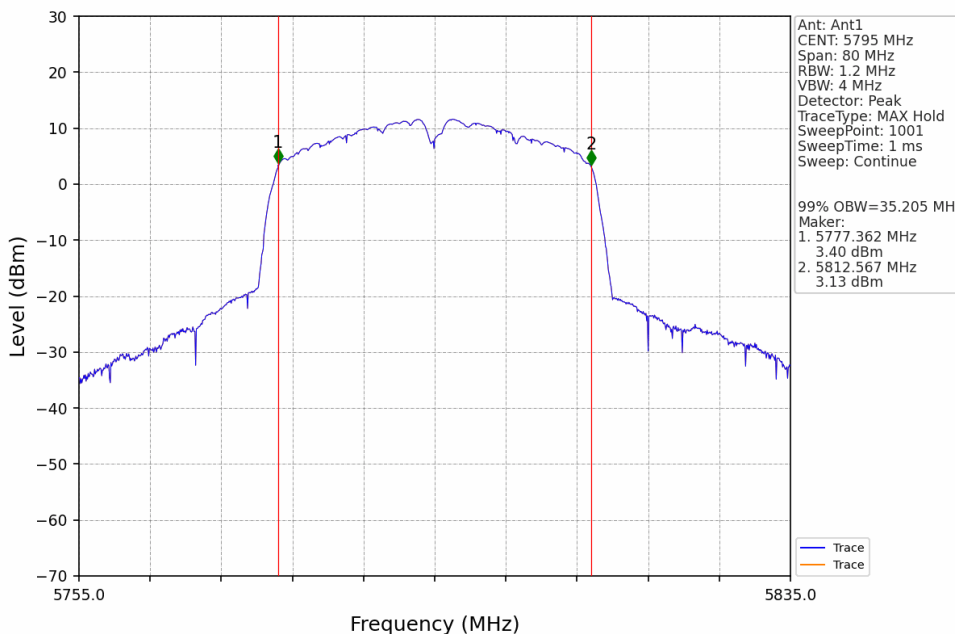
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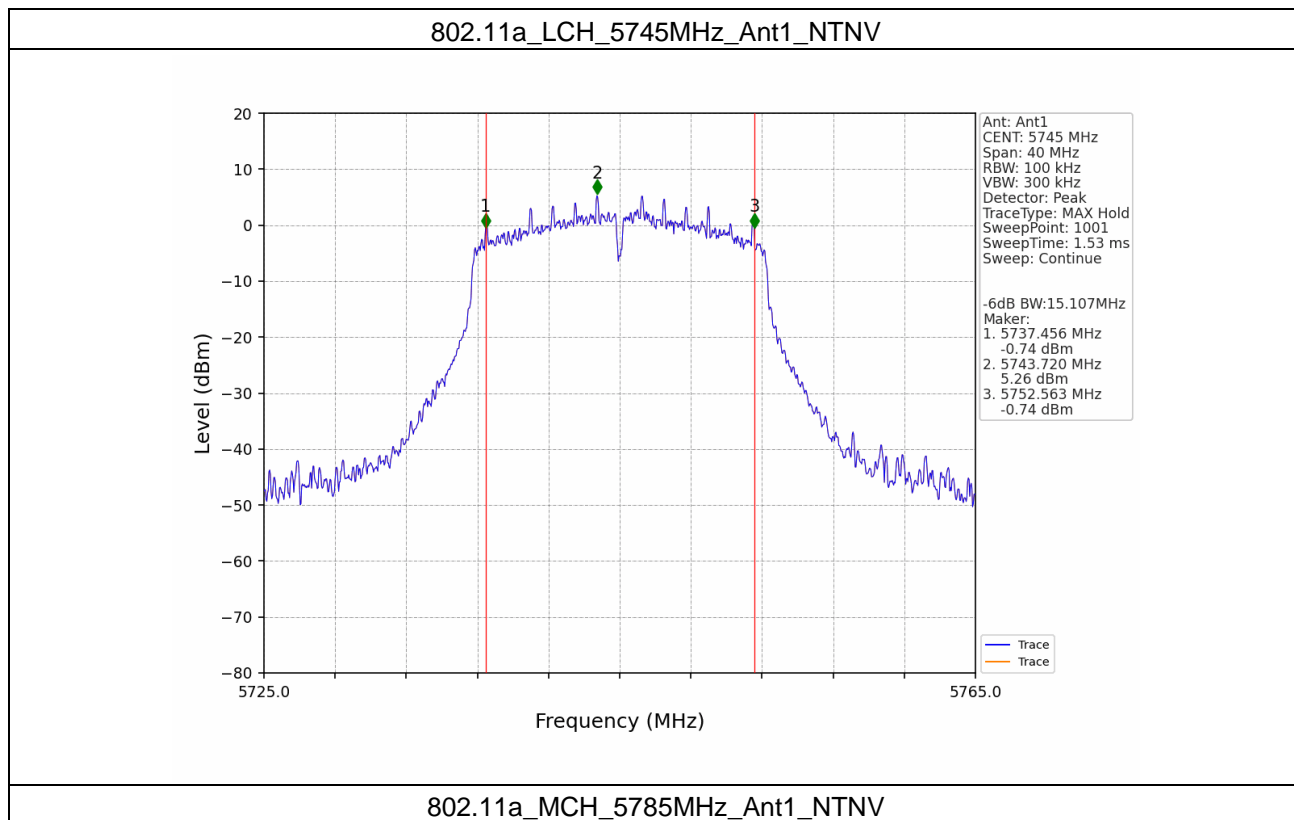
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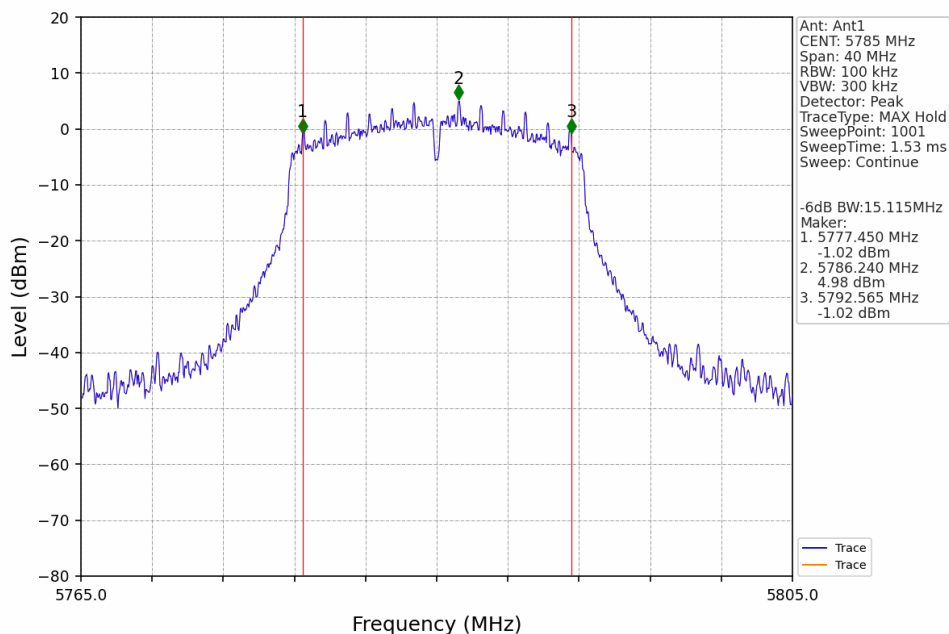


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



2.2.2 6dB BW

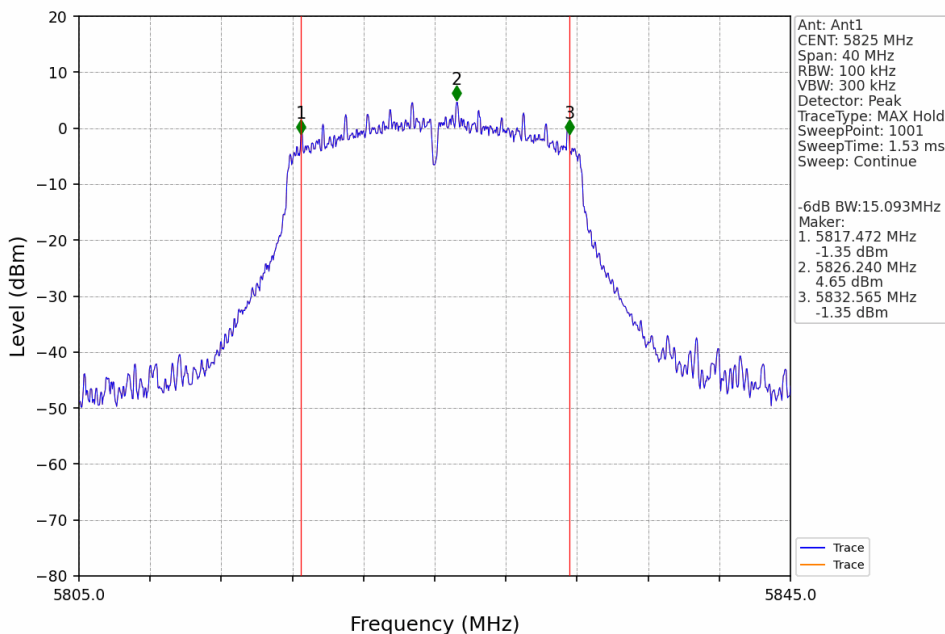




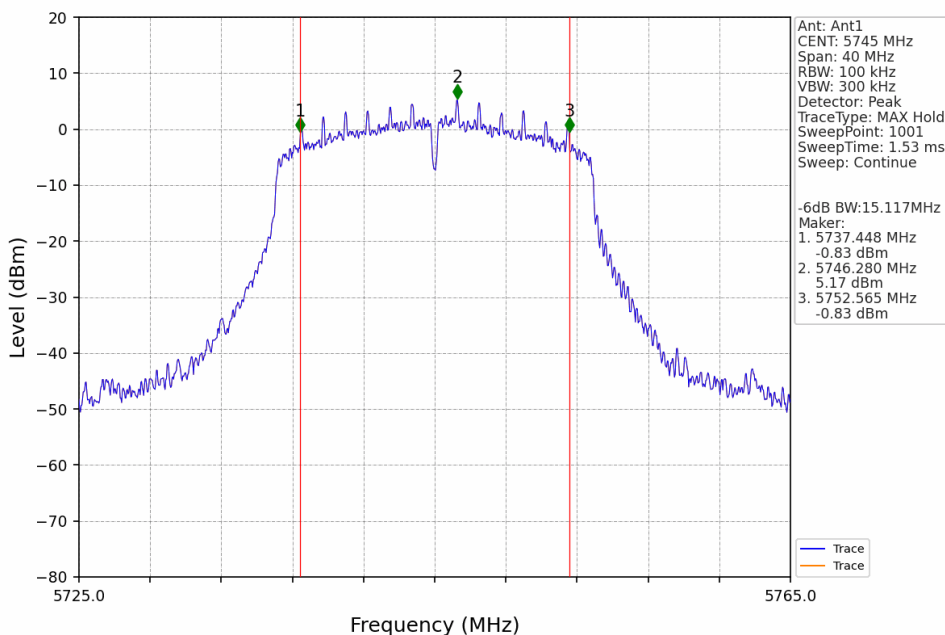
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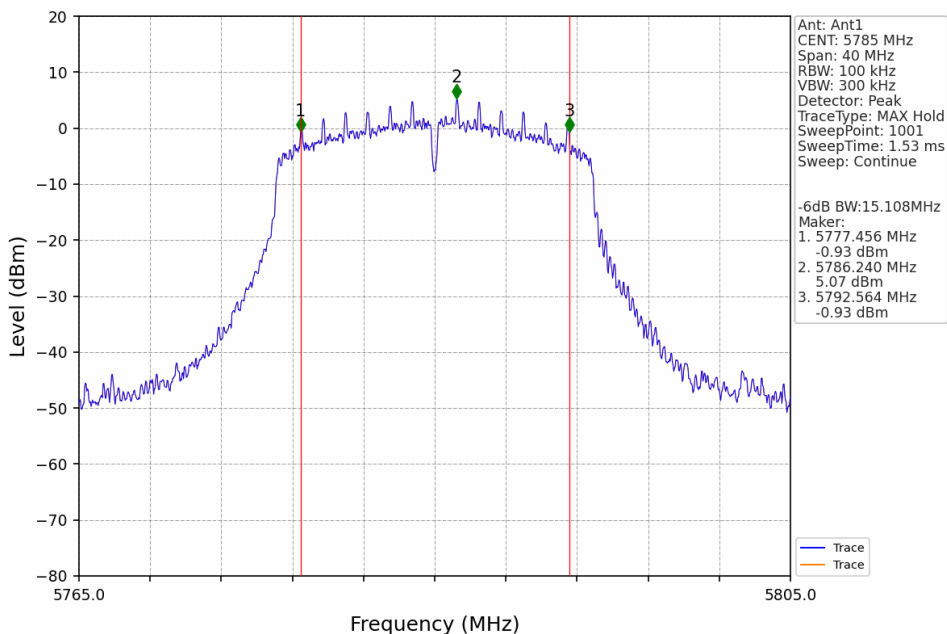
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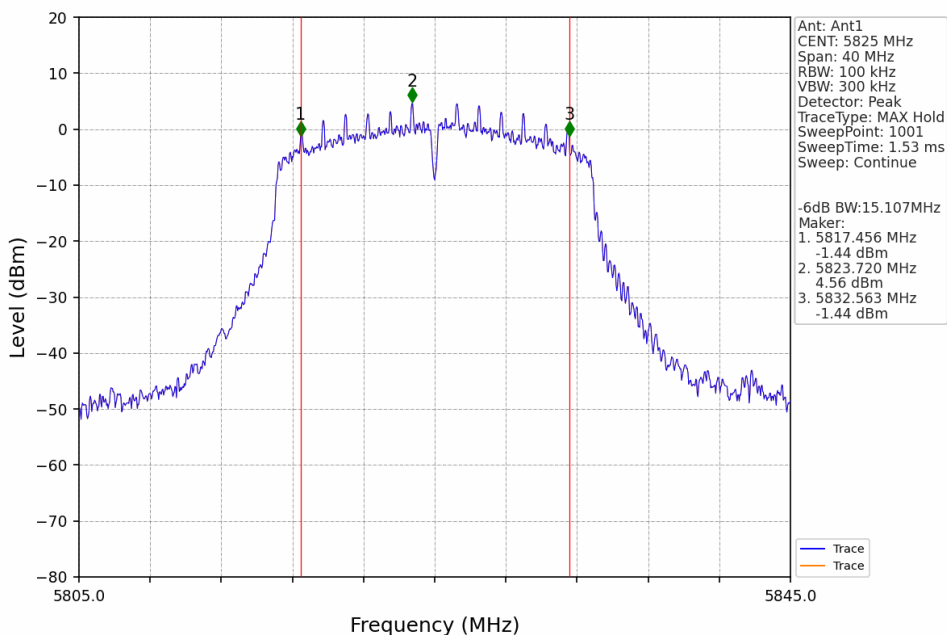
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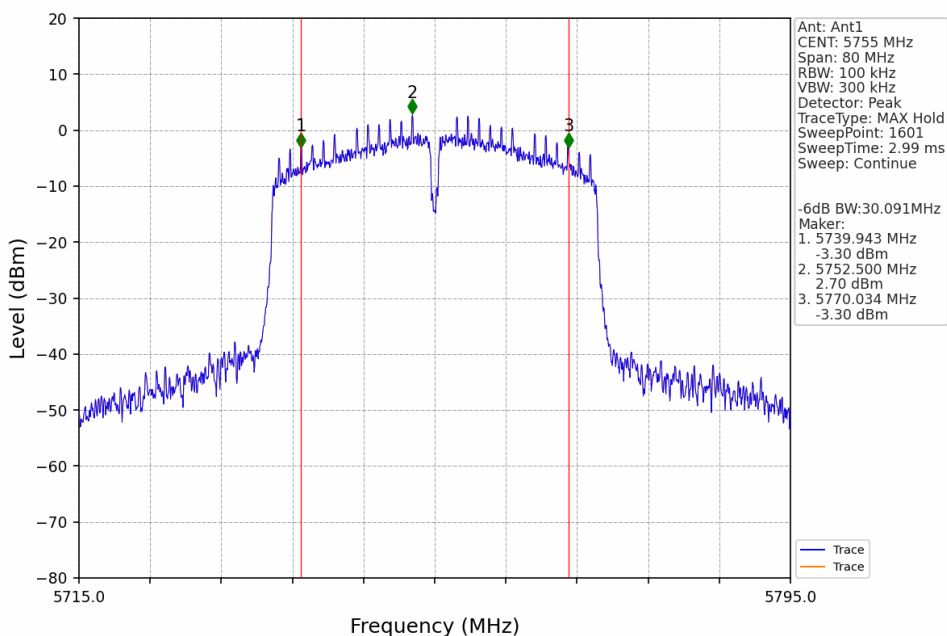
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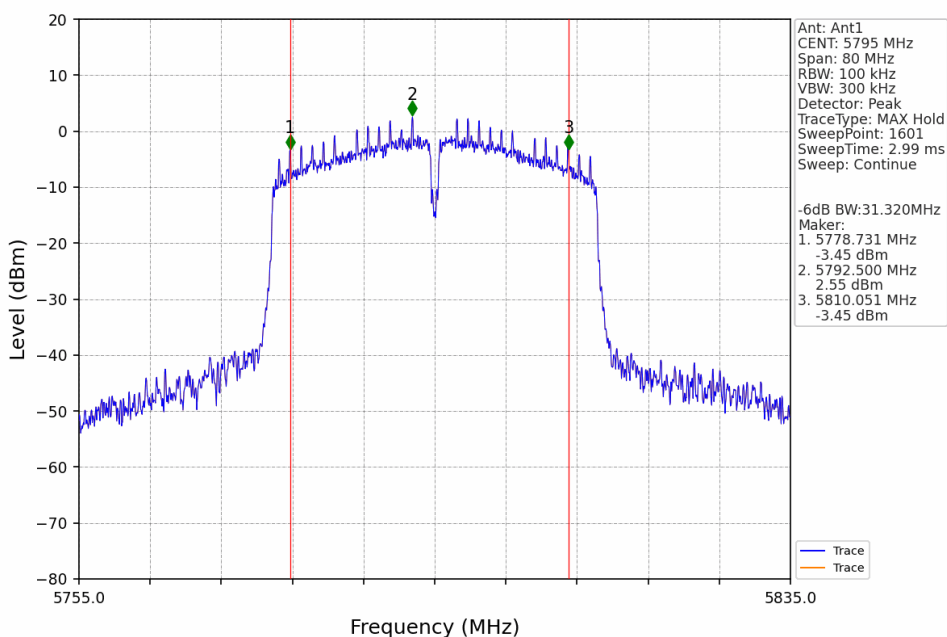
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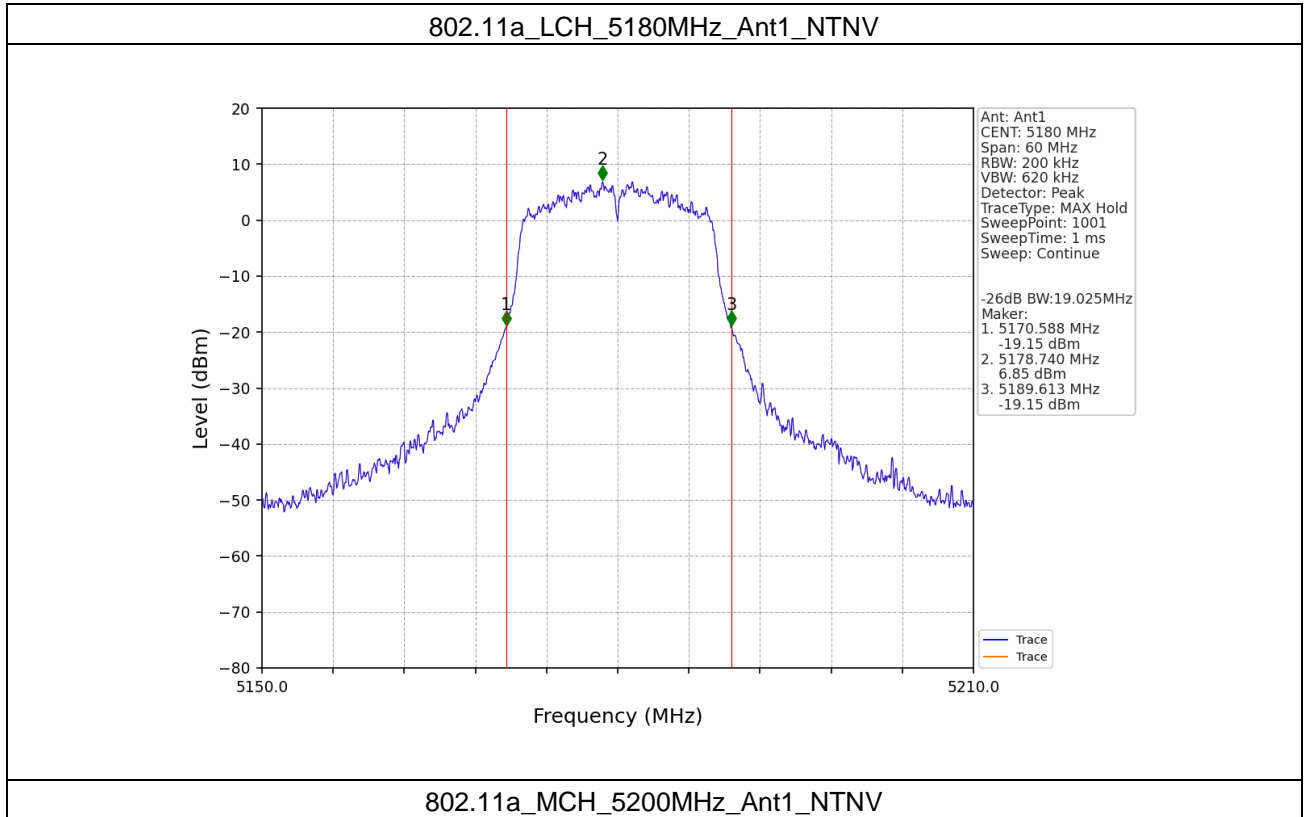
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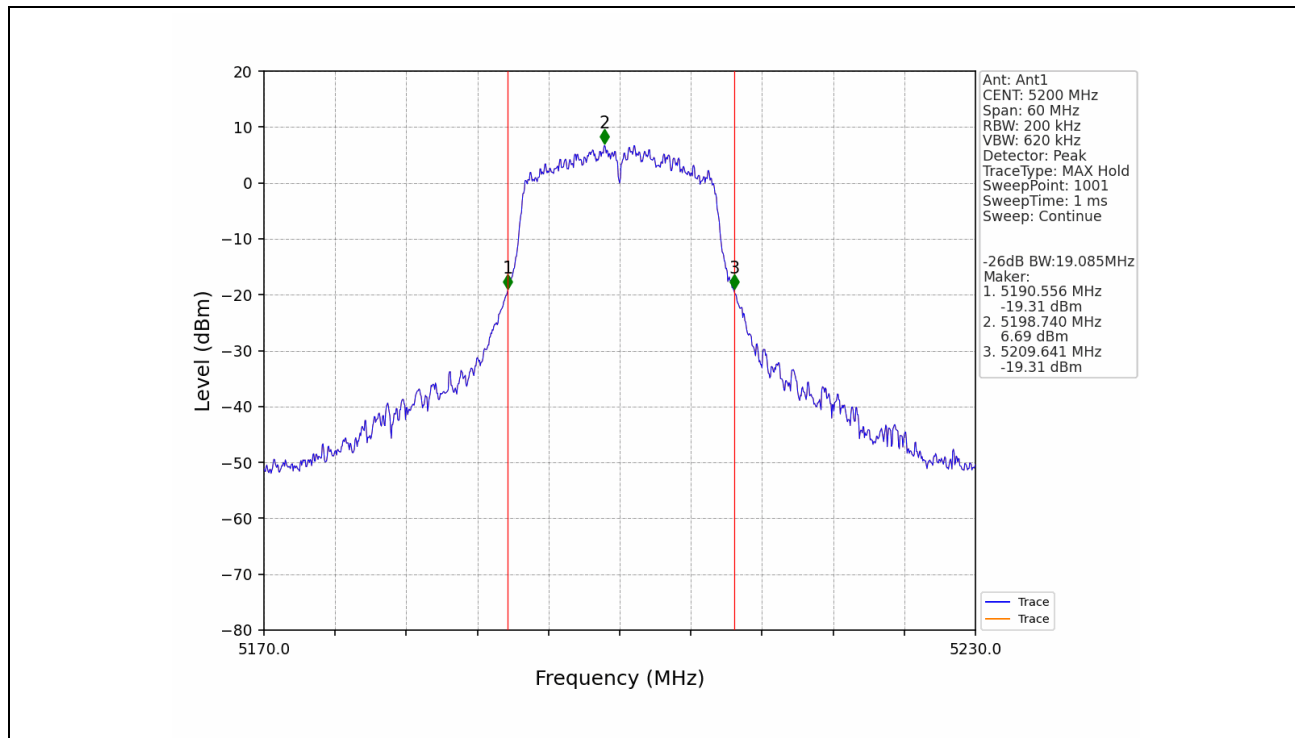


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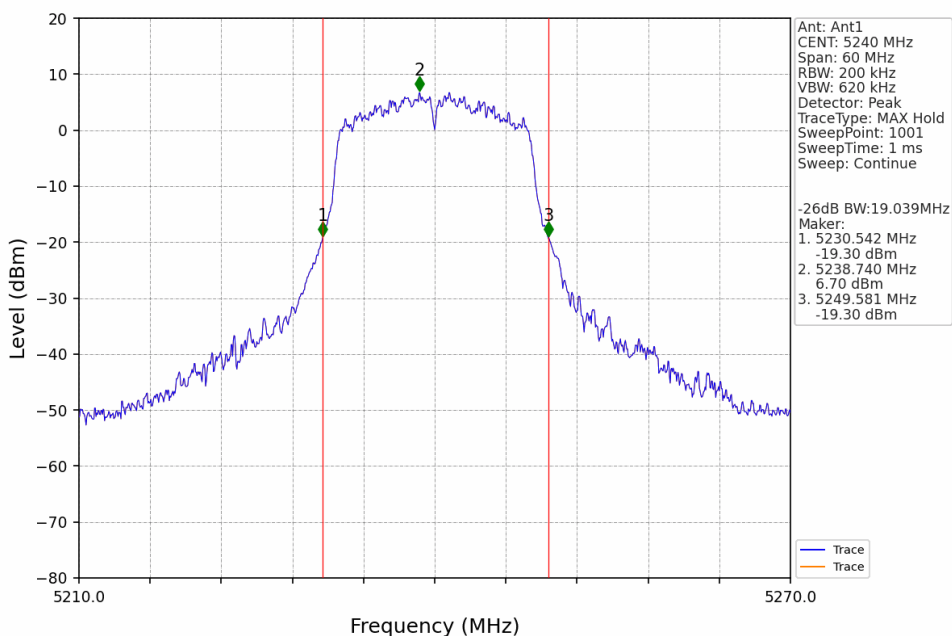


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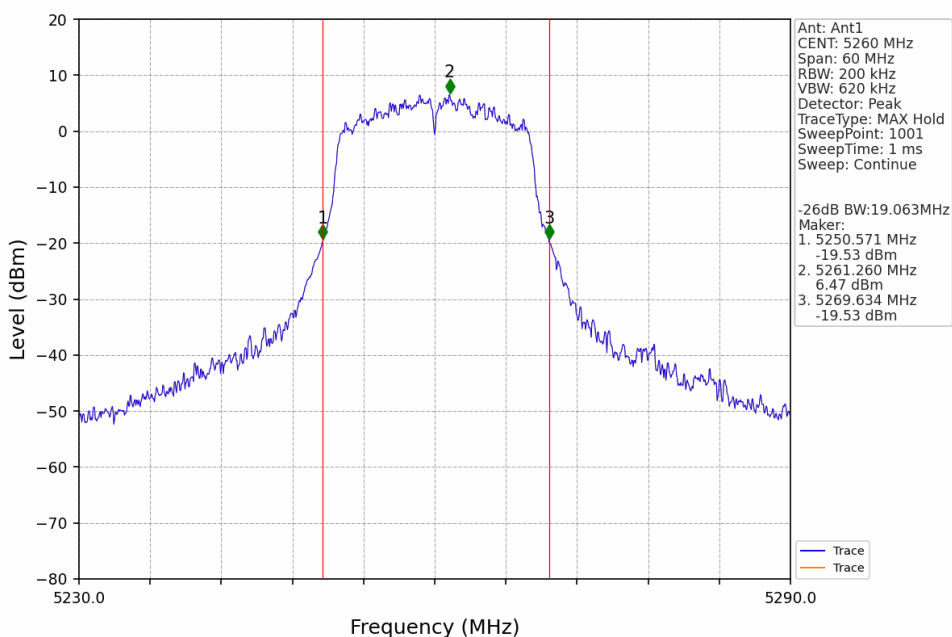




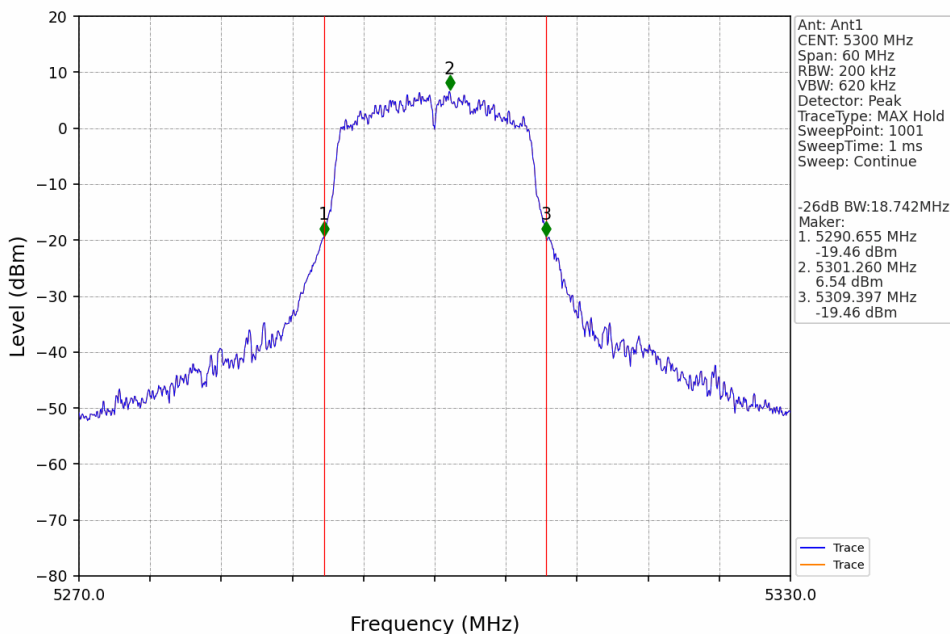
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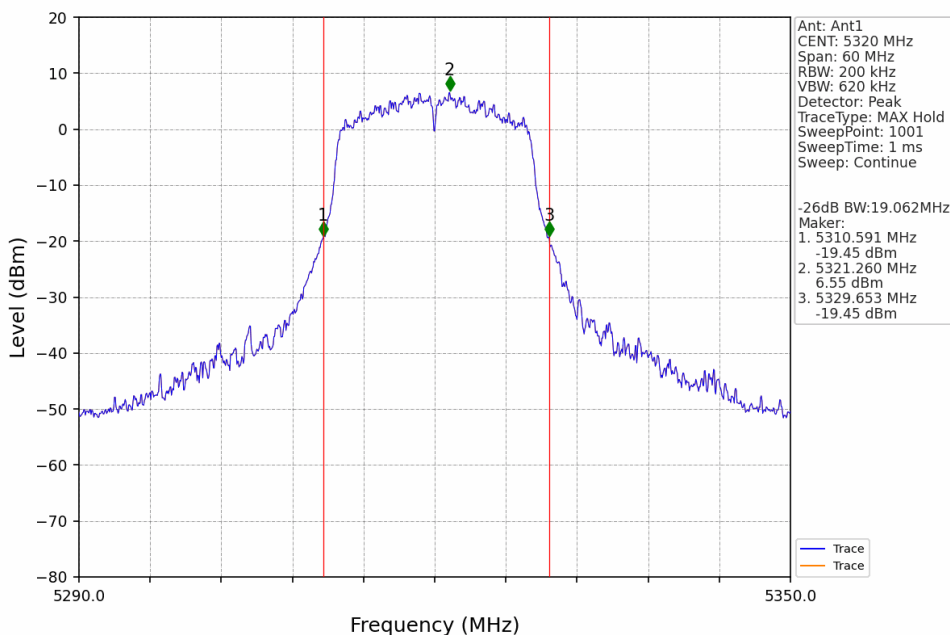
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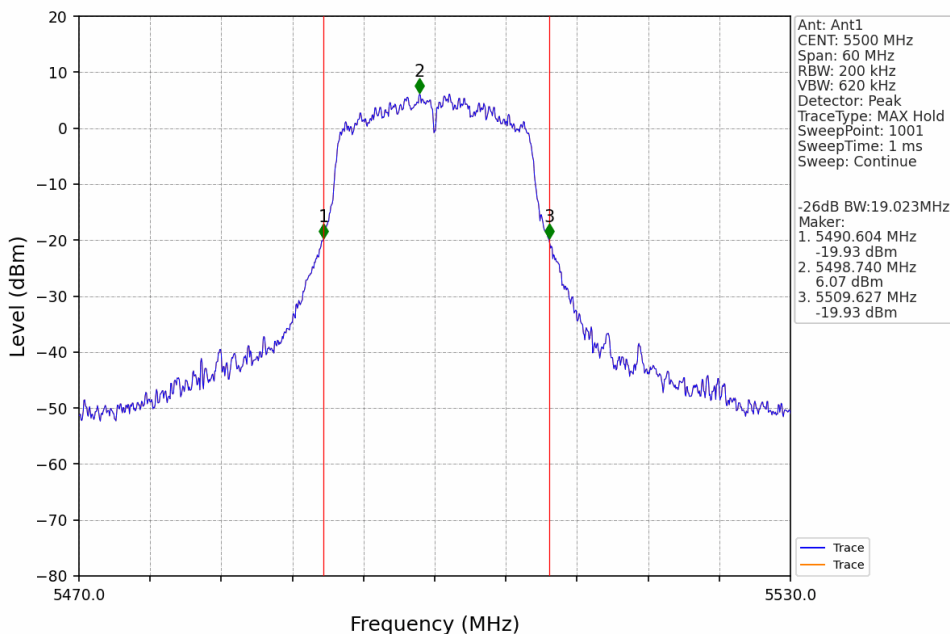
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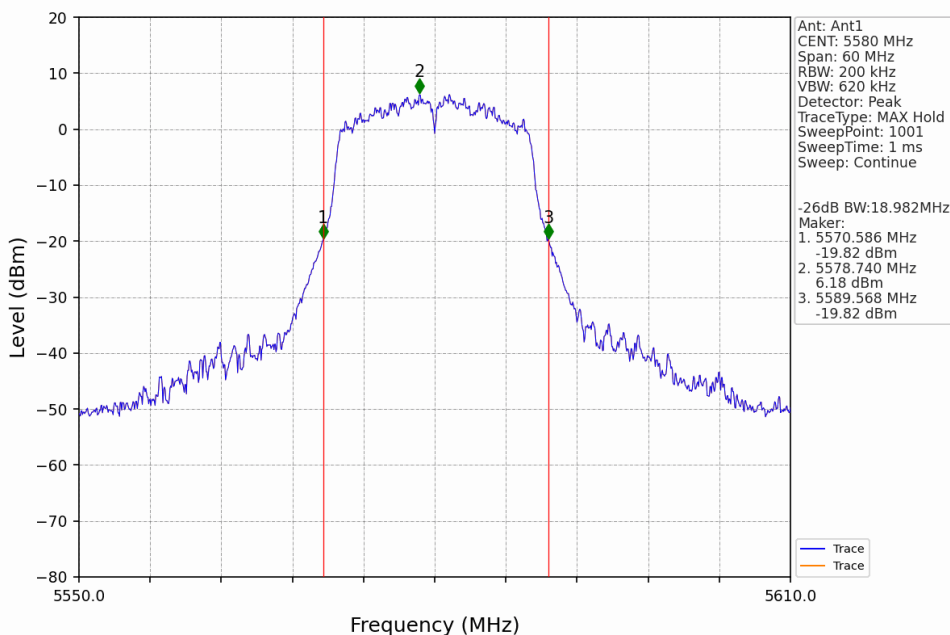
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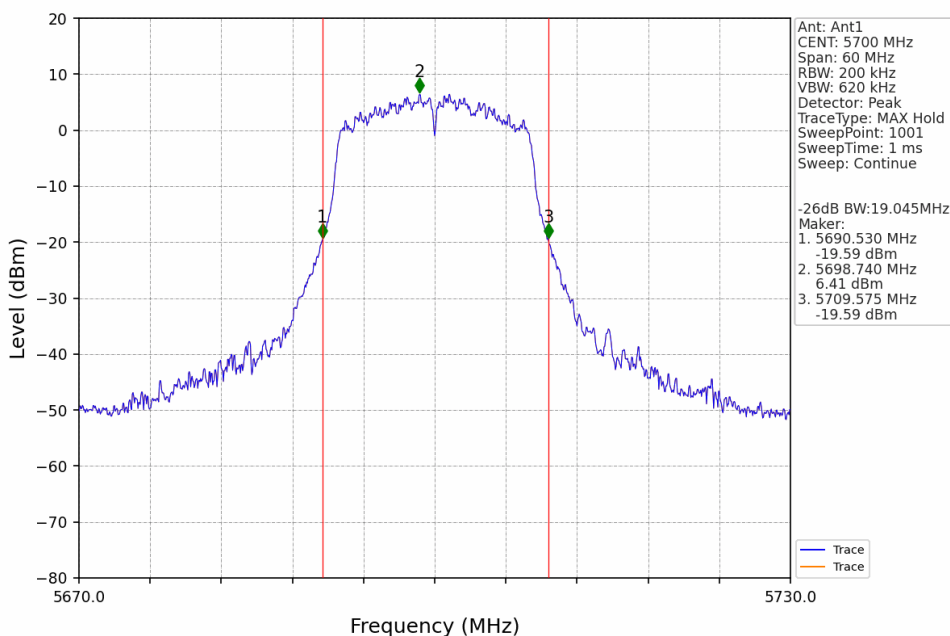
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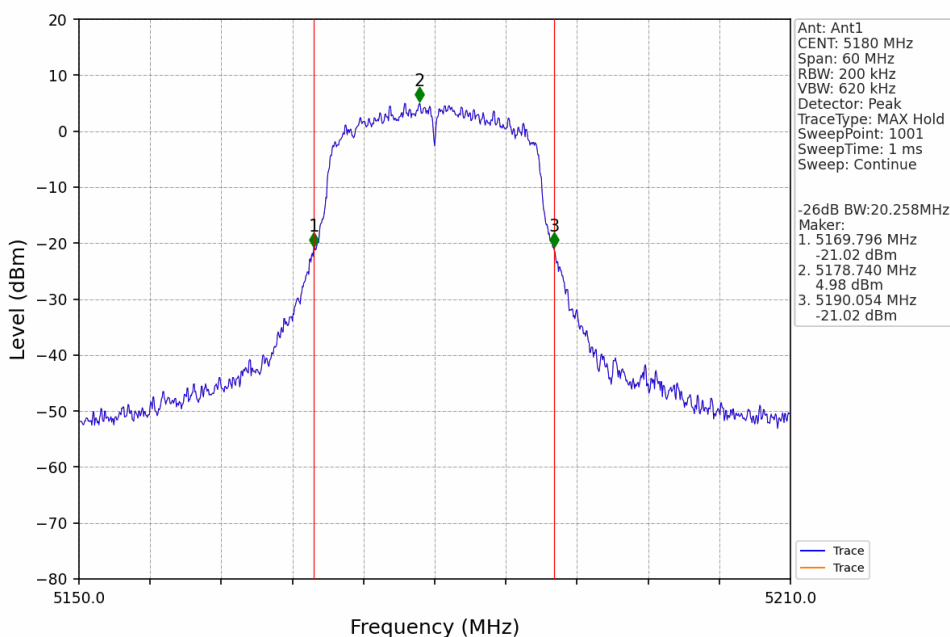
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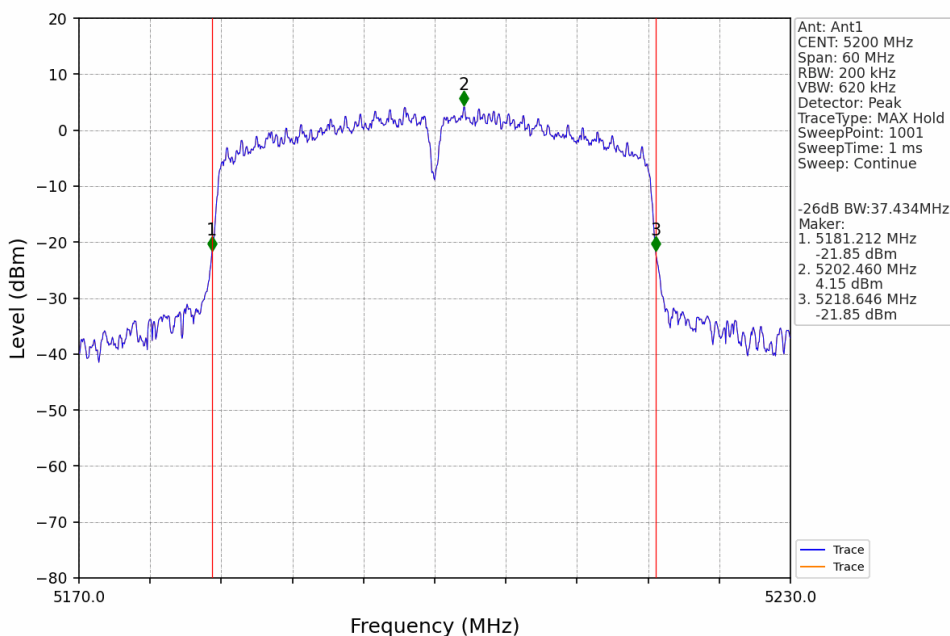
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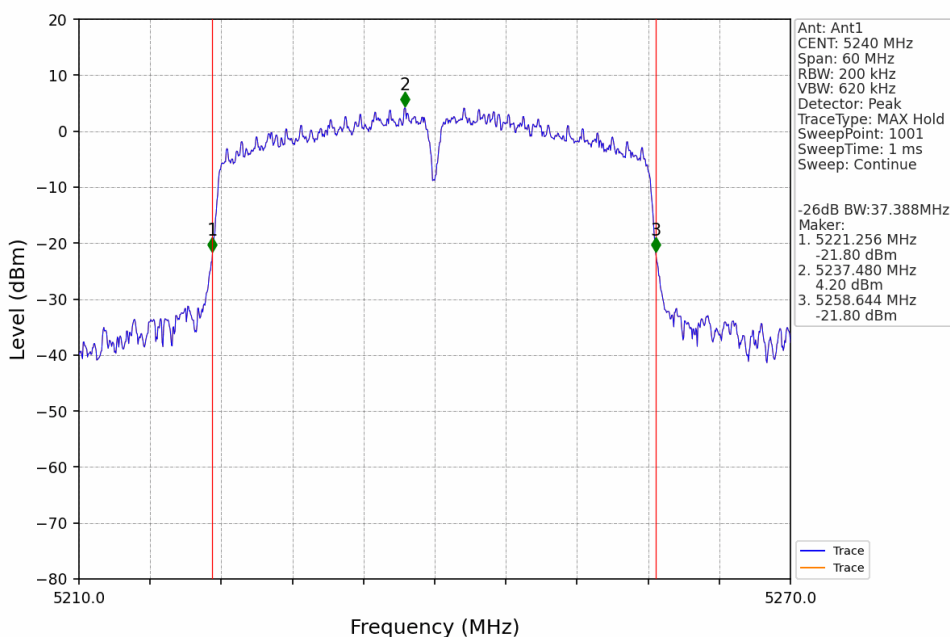
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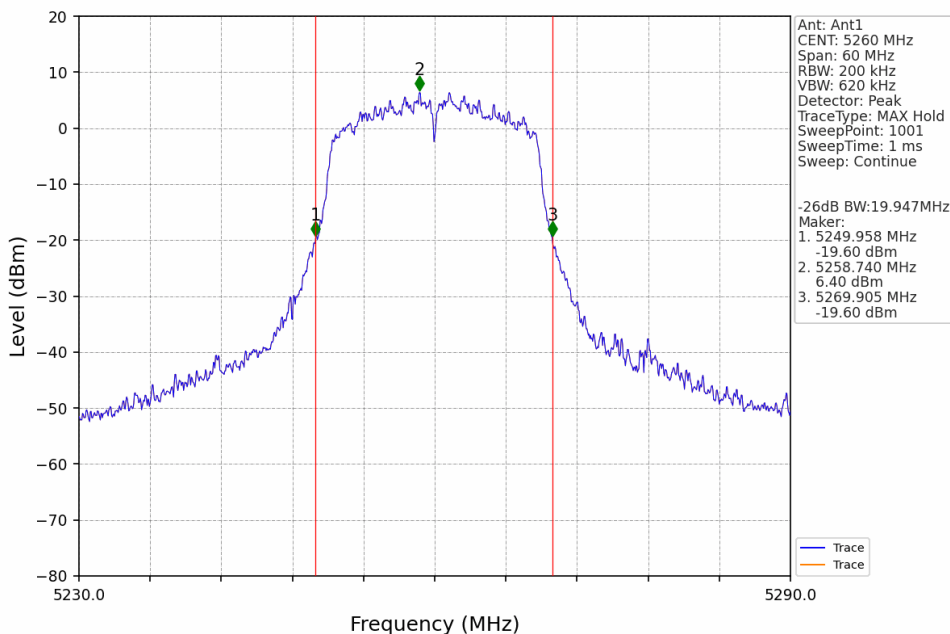
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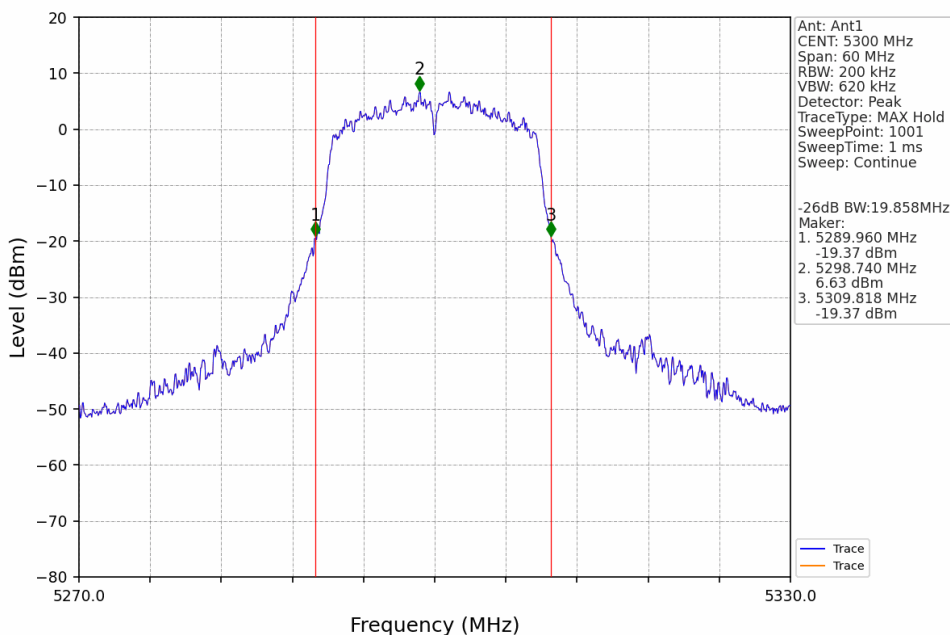
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



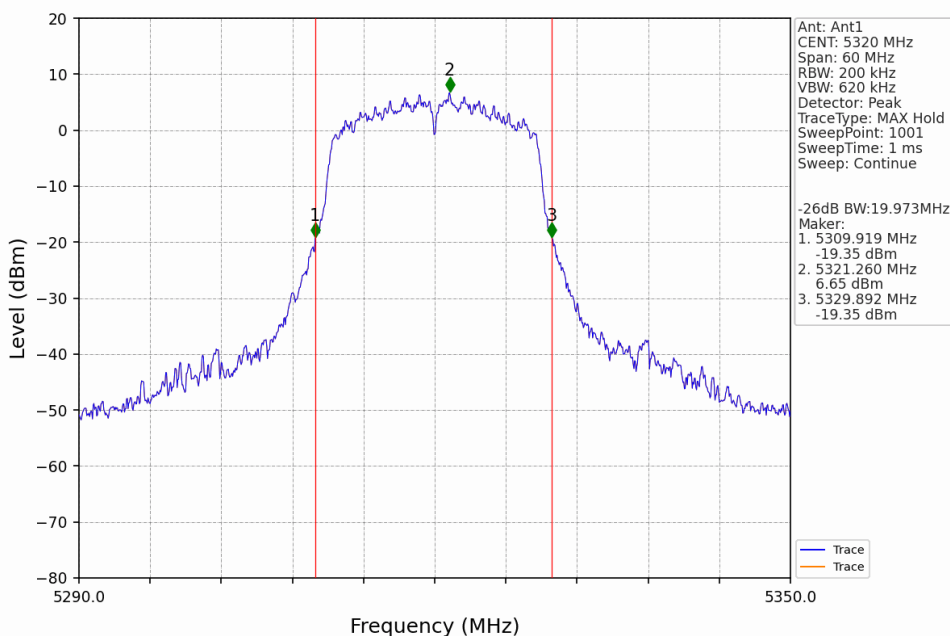
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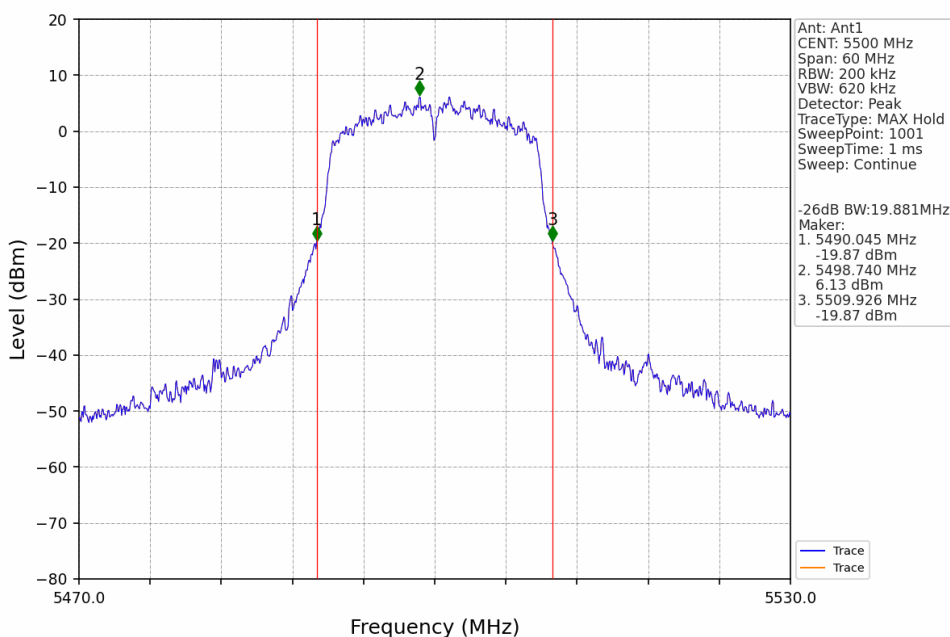
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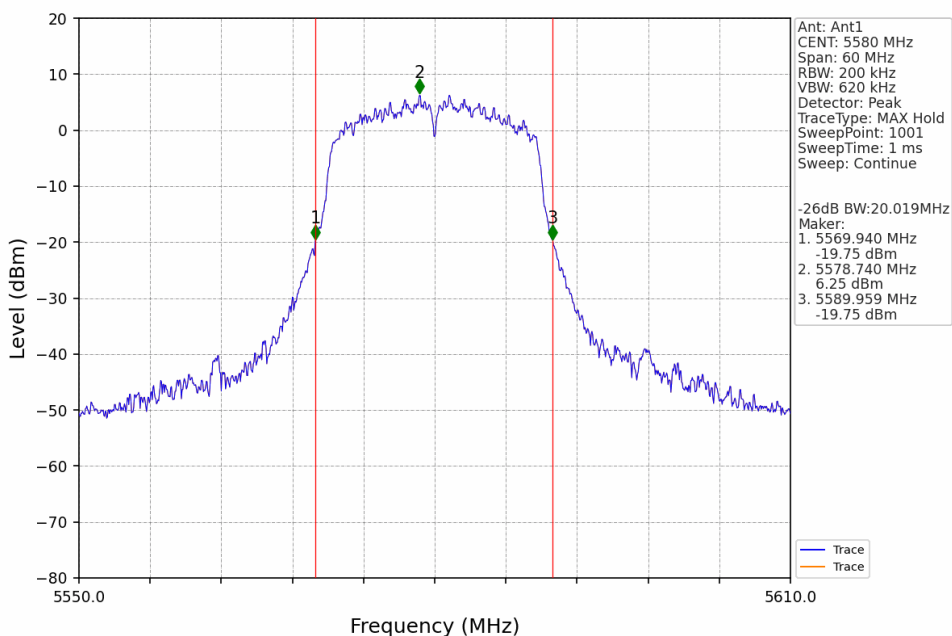
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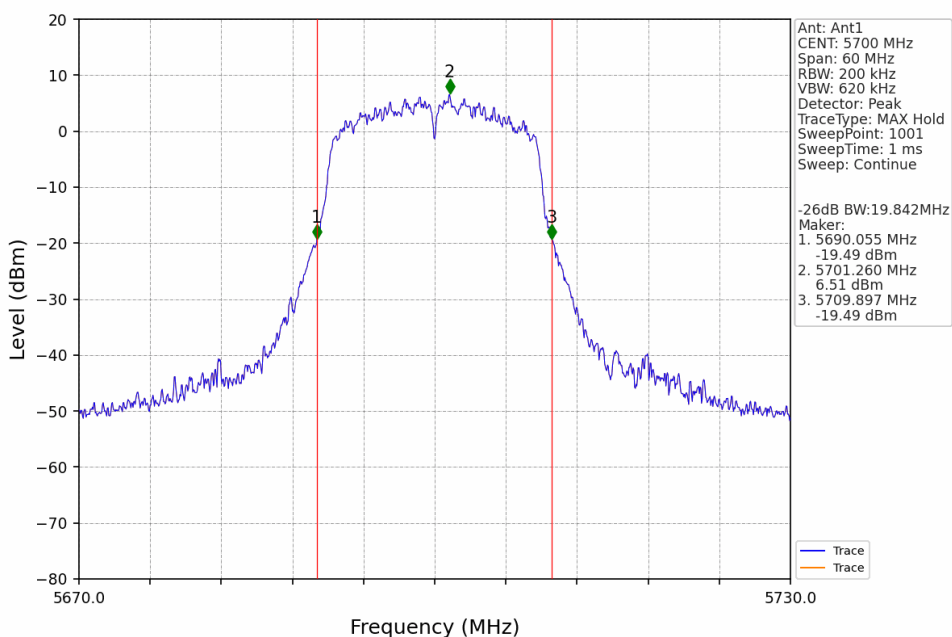
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



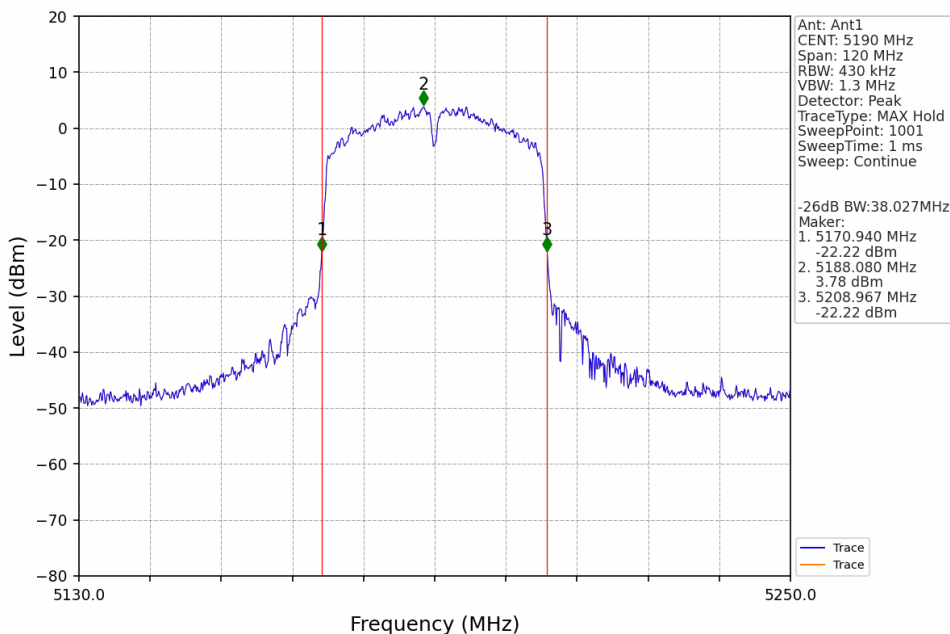
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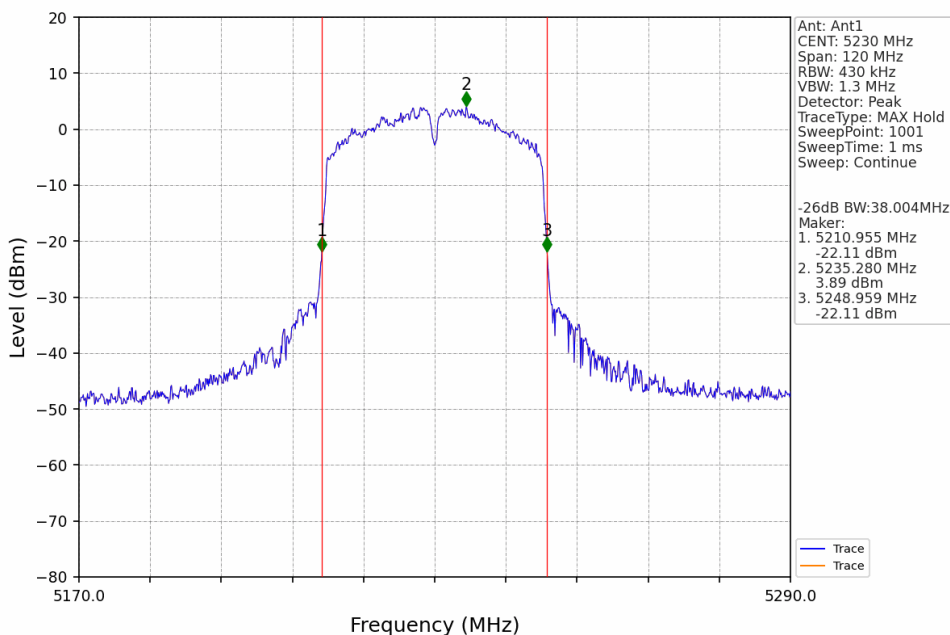
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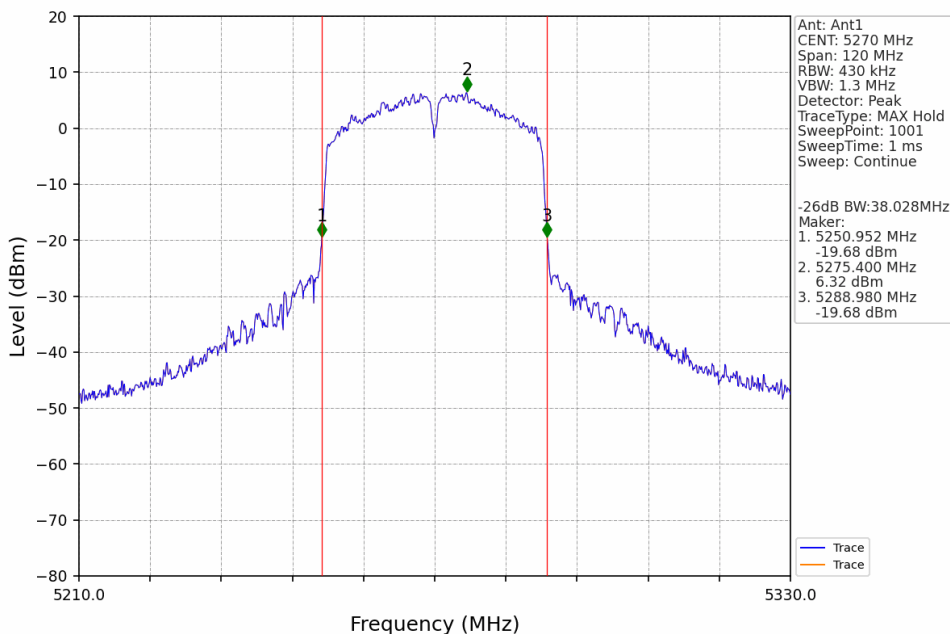
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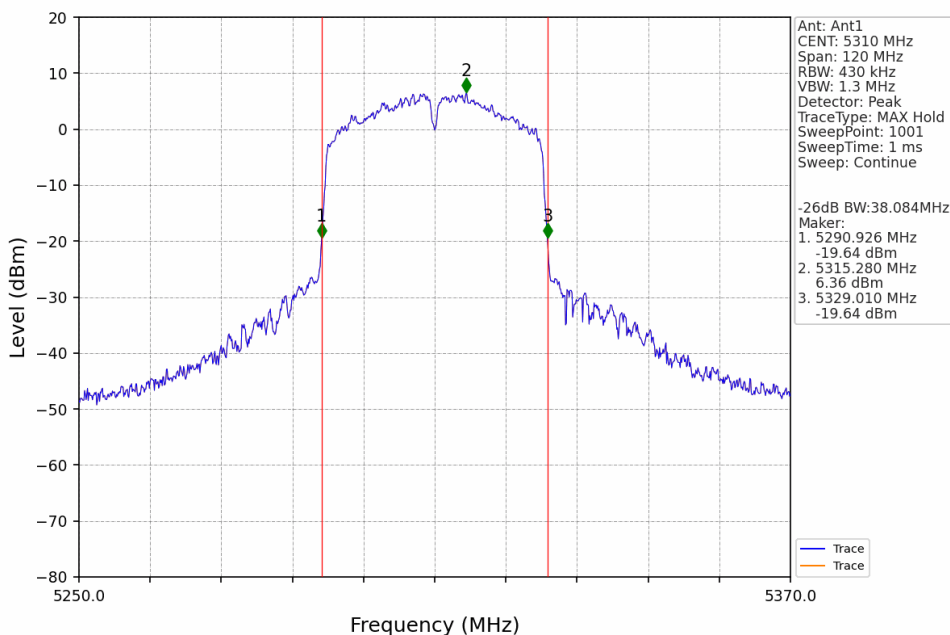
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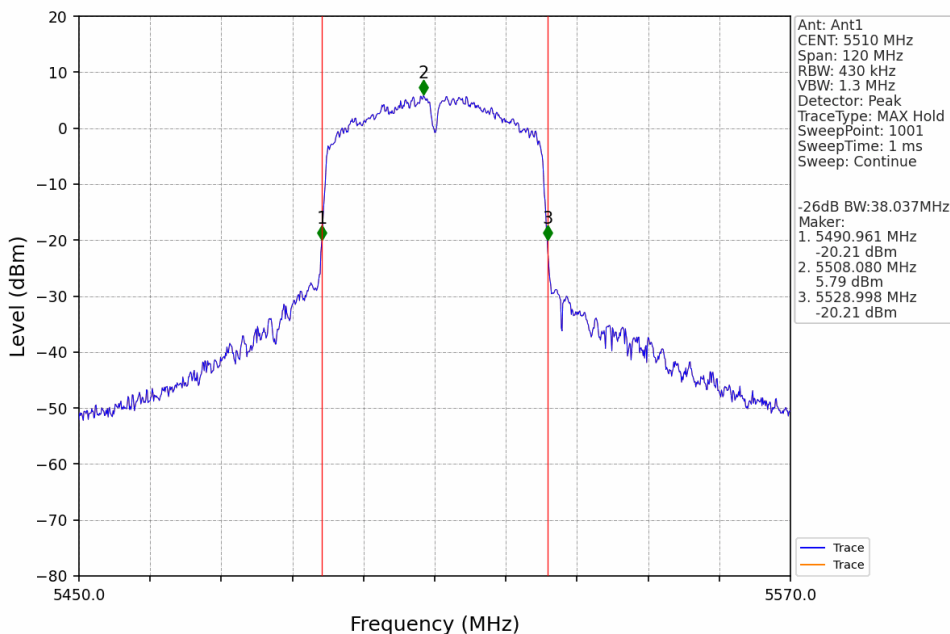
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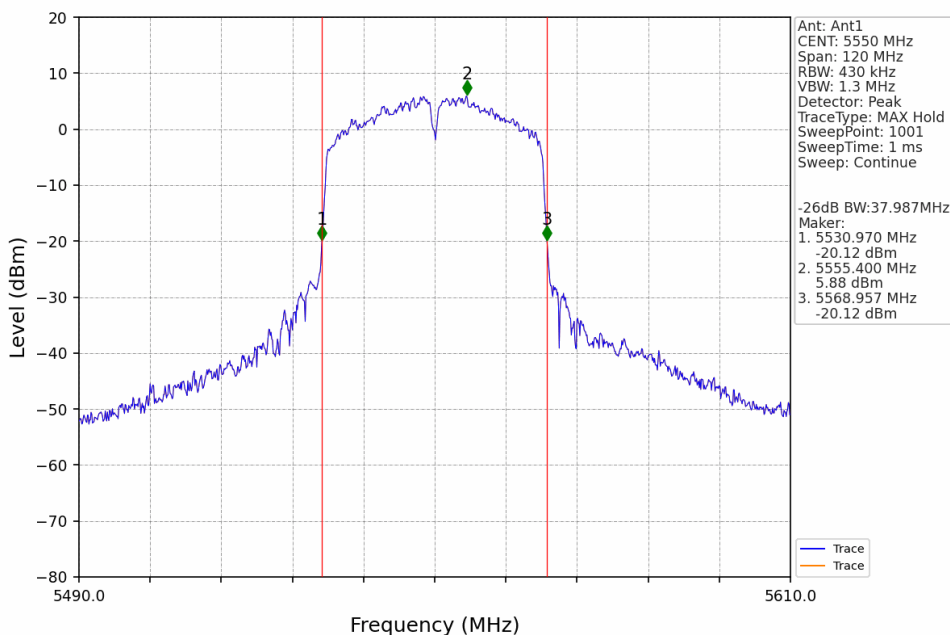
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



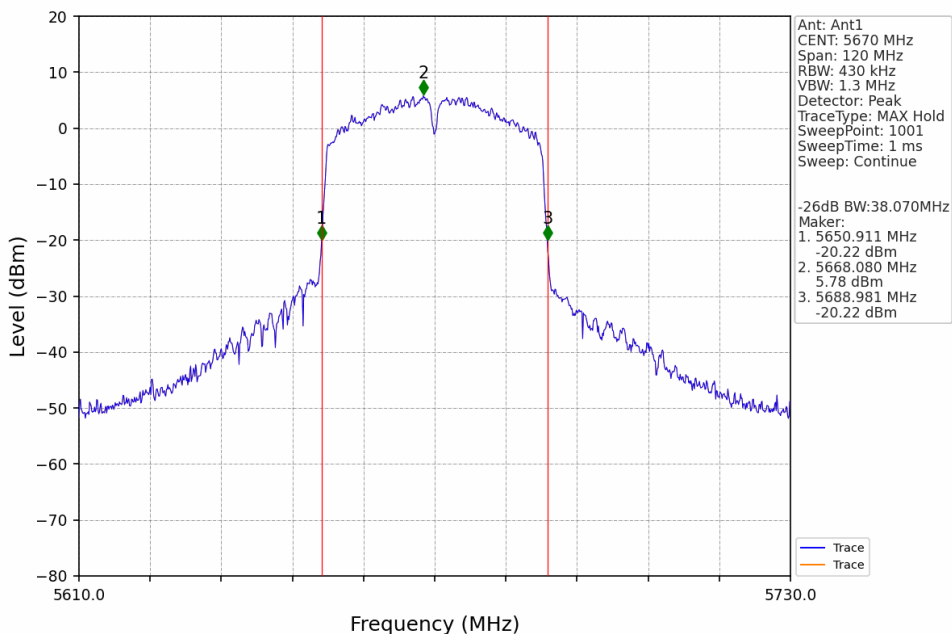
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

| Mode | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) | | Verdict |
|----------------|---------|-----------------|--|--------|---------|
| | | | ANT1 | Limit | |
| 802.11a | SISO | 5180 | 15.58 | ≤23.98 | Pass |
| | | 5200 | 15.43 | ≤23.98 | Pass |
| | | 5240 | 15.49 | ≤23.98 | Pass |
| | | 5260 | 15.32 | ≤23.8 | Pass |
| | | 5300 | 15.38 | ≤23.73 | Pass |
| | | 5320 | 15.44 | ≤23.8 | Pass |
| | | 5500 | 14.88 | ≤23.79 | Pass |
| | | 5580 | 15.02 | ≤23.78 | Pass |
| | | 5700 | 15.33 | ≤23.8 | Pass |
| | | 5745 | 15.13 | ≤30 | Pass |
| | | 5785 | 14.94 | ≤30 | Pass |
| | | 5825 | 14.65 | ≤30 | Pass |
| 802.11n (HT20) | SISO | 5180 | 14.48 | ≤23.98 | Pass |
| | | 5200 | 15.38 | ≤23.98 | Pass |
| | | 5240 | 15.50 | ≤23.98 | Pass |
| | | 5260 | 15.04 | ≤23.98 | Pass |
| | | 5300 | 15.15 | ≤23.98 | Pass |
| | | 5320 | 15.35 | ≤23.98 | Pass |
| | | 5500 | 14.79 | ≤23.98 | Pass |
| | | 5580 | 14.93 | ≤23.98 | Pass |
| | | 5700 | 15.21 | ≤23.98 | Pass |
| | | 5745 | 14.98 | ≤30 | Pass |
| | | 5785 | 14.83 | ≤30 | Pass |
| | | 5825 | 14.54 | ≤30 | Pass |
| 802.11n (HT40) | SISO | 5190 | 12.79 | ≤23.98 | Pass |
| | | 5230 | 12.91 | ≤23.98 | Pass |
| | | 5270 | 15.30 | ≤23.98 | Pass |
| | | 5310 | 15.39 | ≤23.98 | Pass |
| | | 5510 | 14.70 | ≤23.98 | Pass |
| | | 5550 | 14.77 | ≤23.98 | Pass |



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| | | | | | |
|--|--|------|-------|--------------|------|
| | | 5670 | 14.91 | ≤ 23.98 | Pass |
| | | 5755 | 15.03 | ≤ 30 | Pass |
| | | 5795 | 14.99 | ≤ 30 | Pass |

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/MHz) | | Verdict |
|----------------|---------|-----------------|-----------------------|-----------|---------|
| | | | ANT1 | Limit | |
| 802.11a | SISO | 5180 | 5.66 | ≤ 11 | Pass |
| | | 5200 | 5.69 | ≤ 11 | Pass |
| | | 5240 | 5.74 | ≤ 11 | Pass |
| | | 5260 | 5.51 | ≤ 11 | Pass |
| | | 5300 | 5.65 | ≤ 11 | Pass |
| | | 5320 | 5.59 | ≤ 11 | Pass |
| | | 5500 | 5.06 | ≤ 11 | Pass |
| | | 5580 | 5.17 | ≤ 11 | Pass |
| | | 5700 | 5.53 | ≤ 11 | Pass |
| 802.11n (HT20) | SISO | 5180 | 4.61 | ≤ 11 | Pass |
| | | 5200 | 2.74 | ≤ 11 | Pass |
| | | 5240 | 2.85 | ≤ 11 | Pass |
| | | 5260 | 5.33 | ≤ 11 | Pass |
| | | 5300 | 5.36 | ≤ 11 | Pass |
| | | 5320 | 5.38 | ≤ 11 | Pass |
| | | 5500 | 4.91 | ≤ 11 | Pass |
| | | 5580 | 5.00 | ≤ 11 | Pass |
| | | 5700 | 5.27 | ≤ 11 | Pass |
| 802.11n (HT40) | SISO | 5190 | 0.28 | ≤ 11 | Pass |
| | | 5230 | 0.03 | ≤ 11 | Pass |
| | | 5270 | 2.59 | ≤ 11 | Pass |
| | | 5310 | 2.74 | ≤ 11 | Pass |
| | | 5510 | 2.03 | ≤ 11 | Pass |
| | | 5550 | 2.01 | ≤ 11 | Pass |
| | | 5670 | 2.21 | ≤ 11 | Pass |

4.1.2 PSD-Band3

| Mode | TX | Frequency | Maximum PSD (dBm/500kHz) | Verdict |
|------|----|-----------|--------------------------|---------|
|------|----|-----------|--------------------------|---------|



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SZEMC-TRF-01 Rev. A/1

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| | Type | (MHz) | ANT1 | Limit | |
|-------------------|------|-------|-------|-----------|------|
| 802.11a | SISO | 5745 | 2.77 | ≤ 30 | Pass |
| | | 5785 | 2.61 | ≤ 30 | Pass |
| | | 5825 | 2.12 | ≤ 30 | Pass |
| 802.11n (HT20) | SISO | 5745 | 2.43 | ≤ 30 | Pass |
| | | 5785 | 2.24 | ≤ 30 | Pass |
| | | 5825 | 2.04 | ≤ 30 | Pass |
| 802.11n (HT40) | SISO | 5755 | -0.38 | ≤ 30 | Pass |
| | | 5795 | -0.54 | ≤ 30 | Pass |



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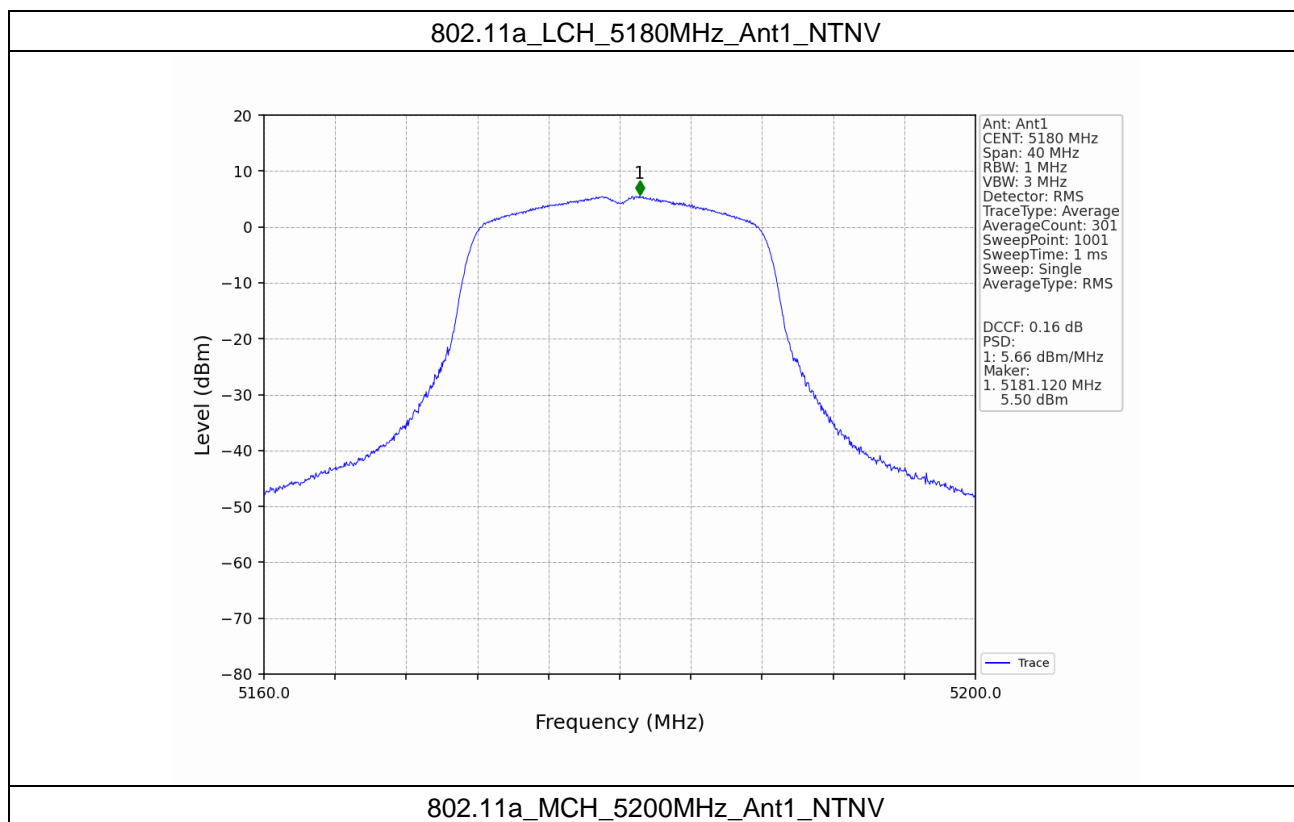
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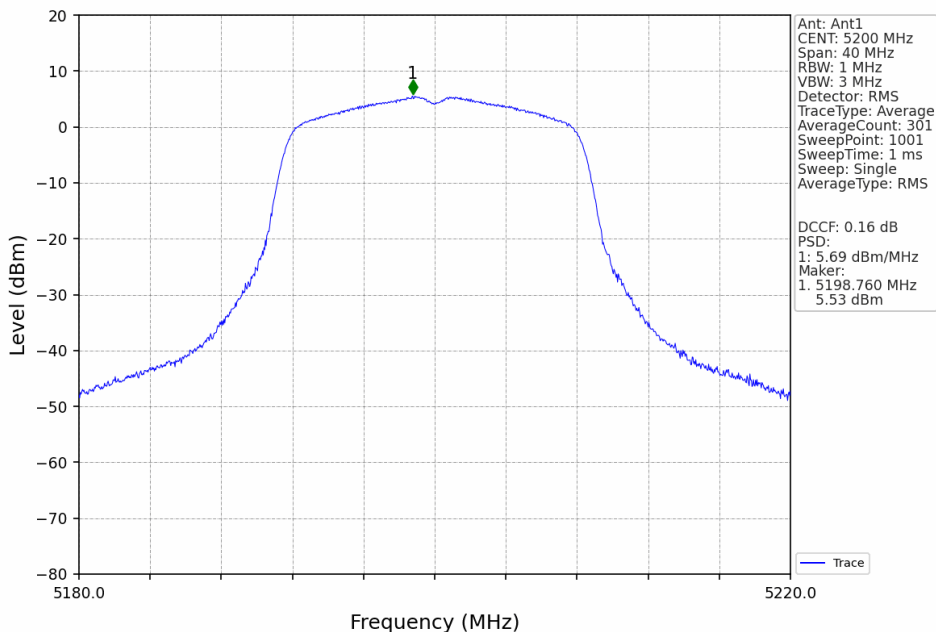
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4.2 Test Graph

4.2.1 PSD





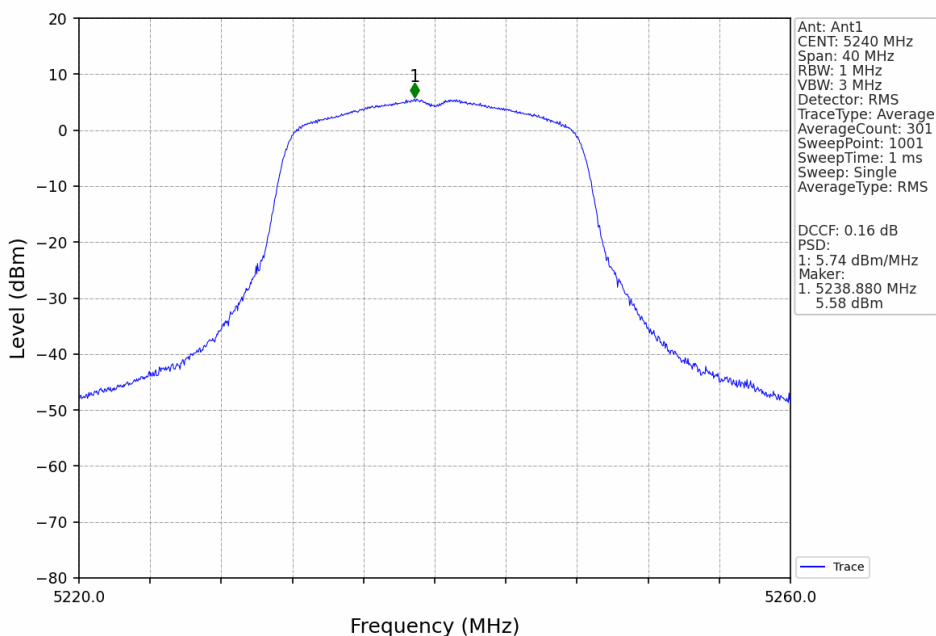
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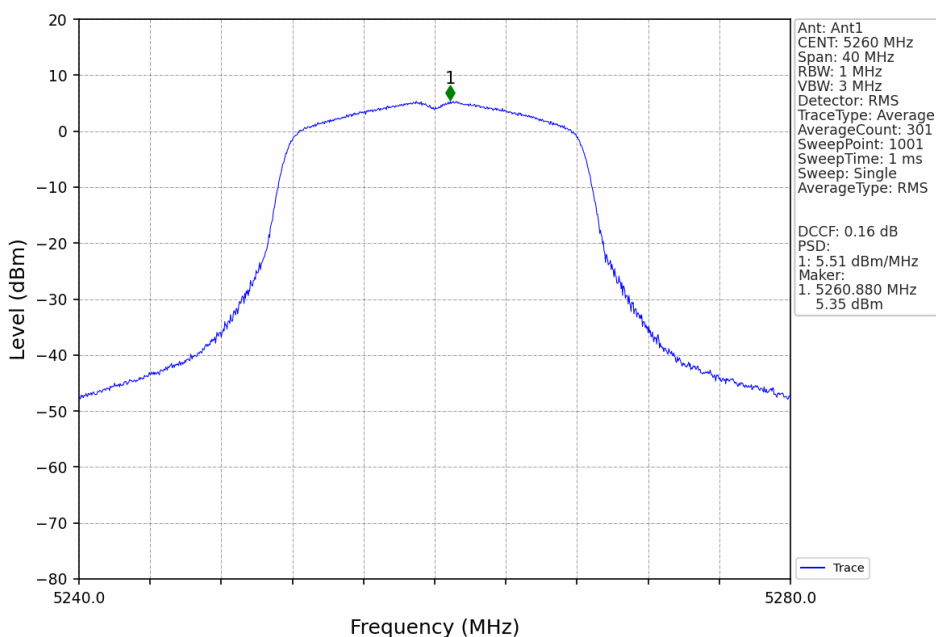
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802.11a_LCH_5260MHz_Ant1_NTNV



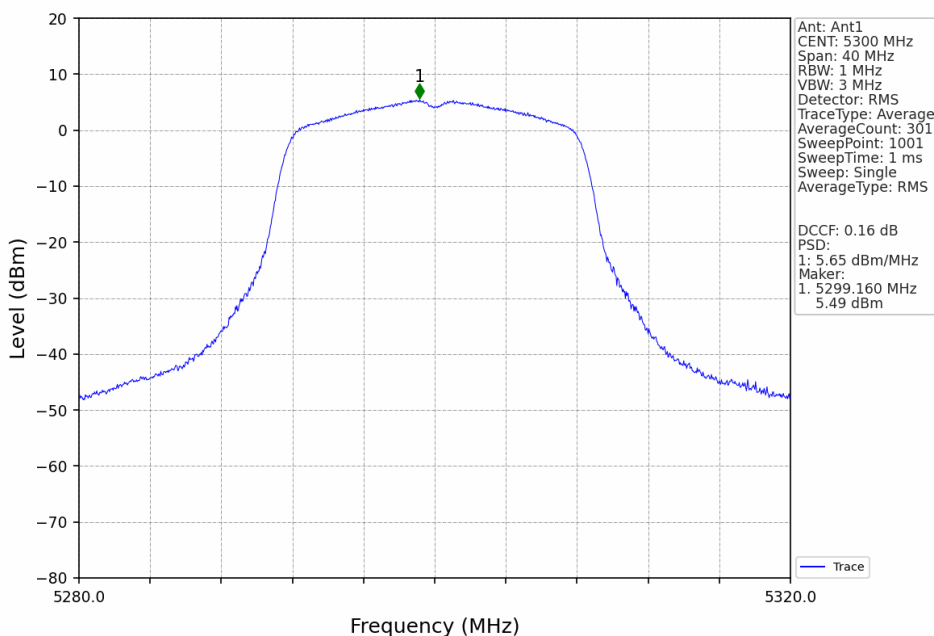
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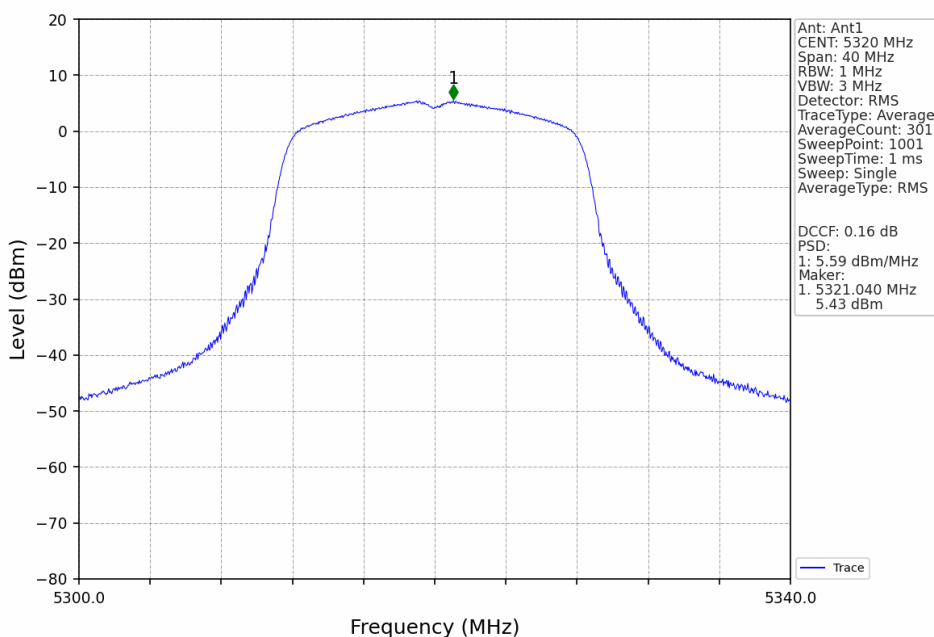
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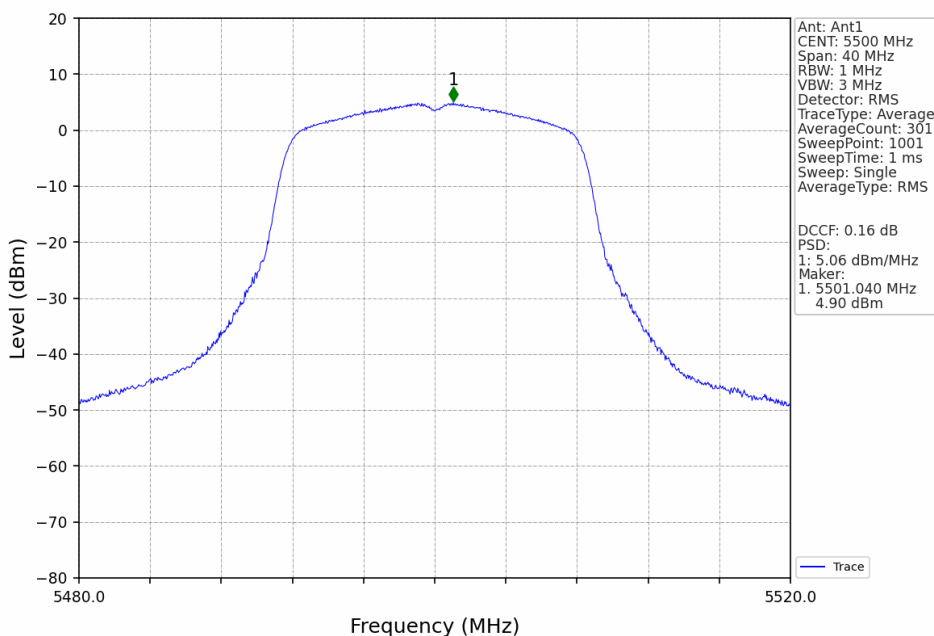
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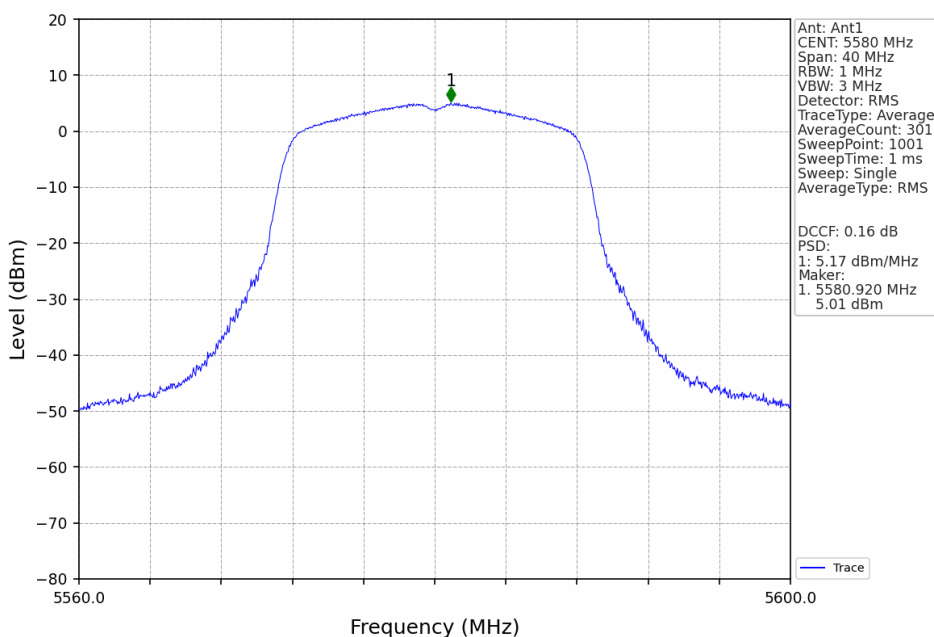
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



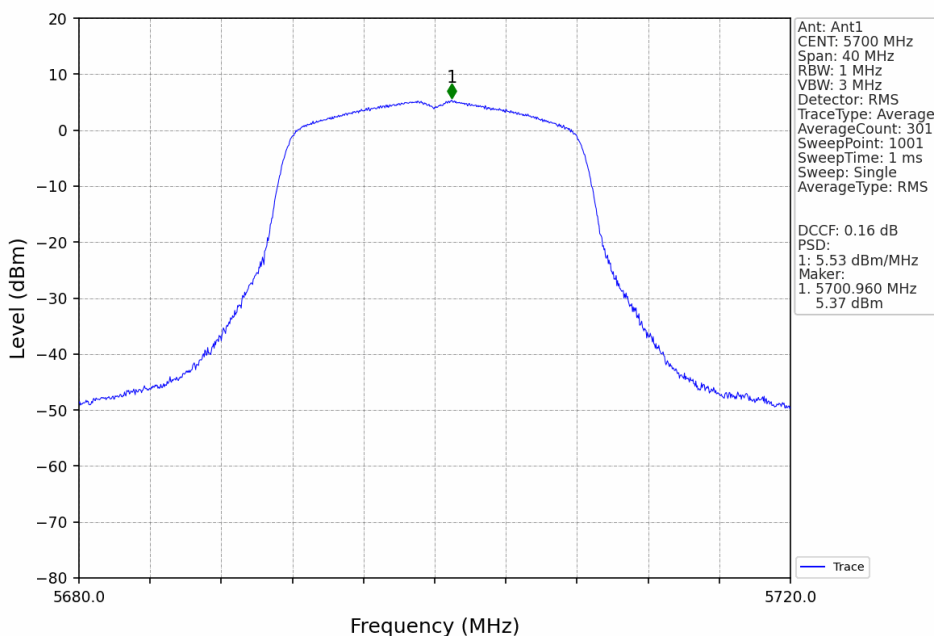
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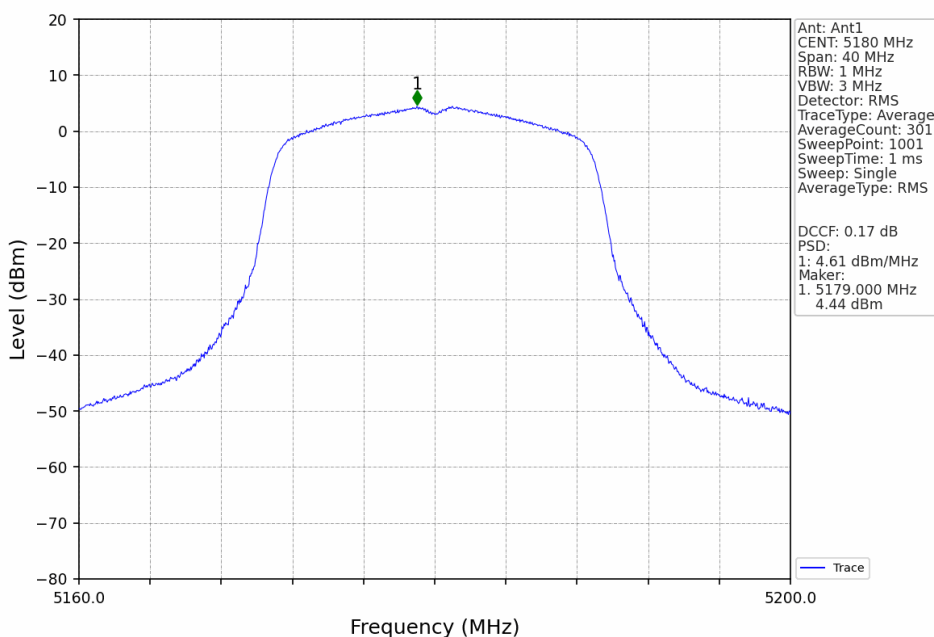
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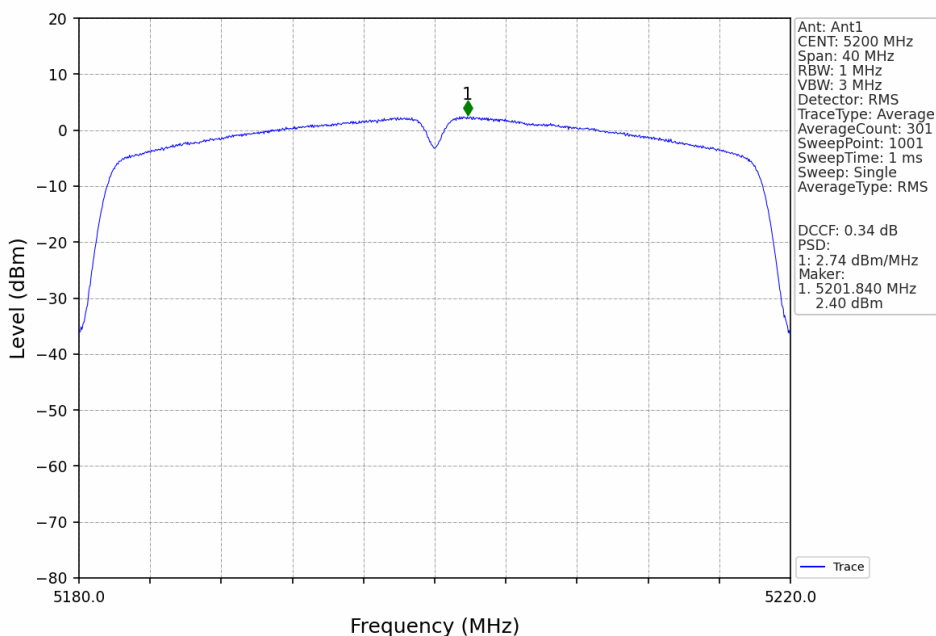
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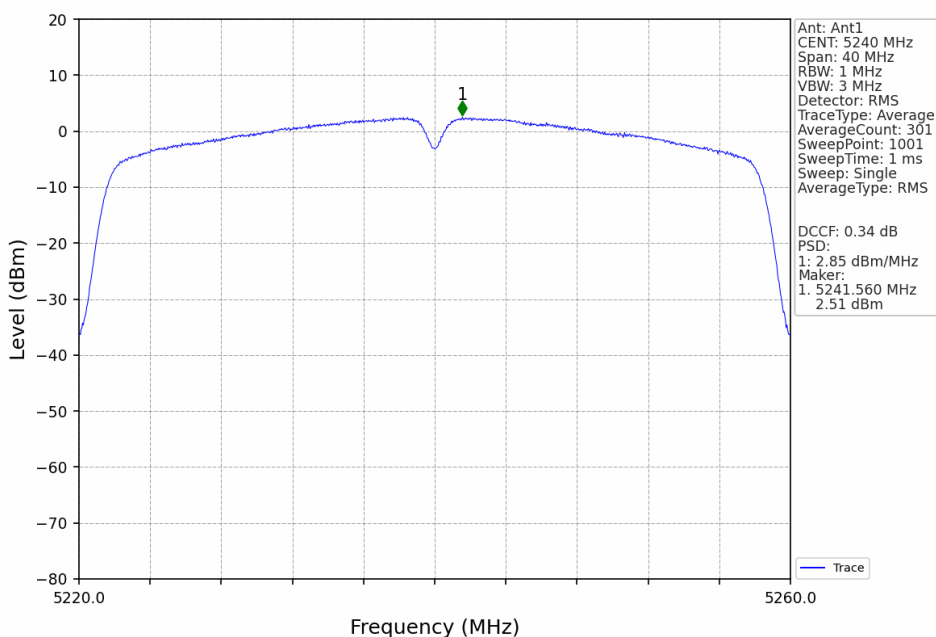
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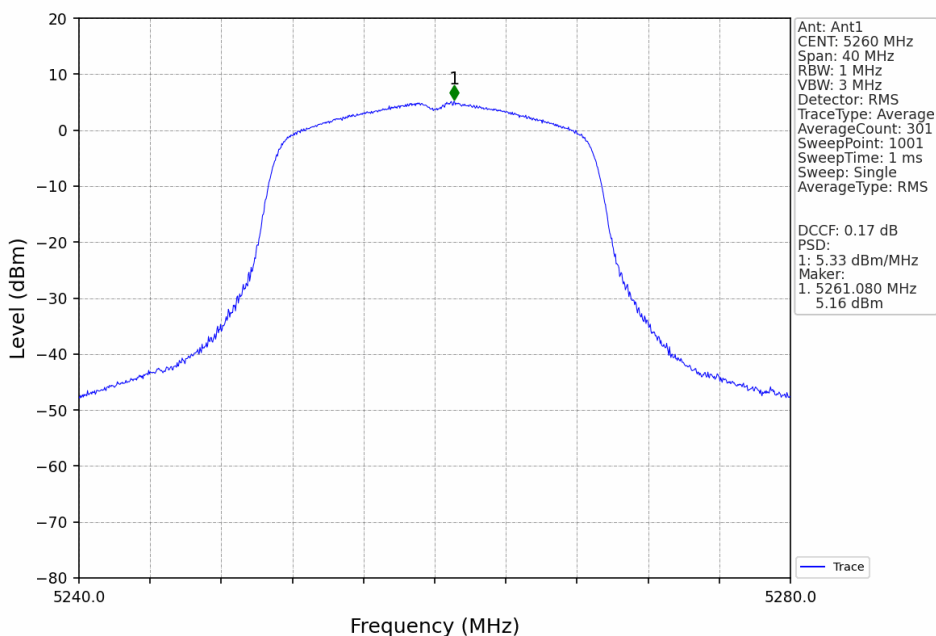
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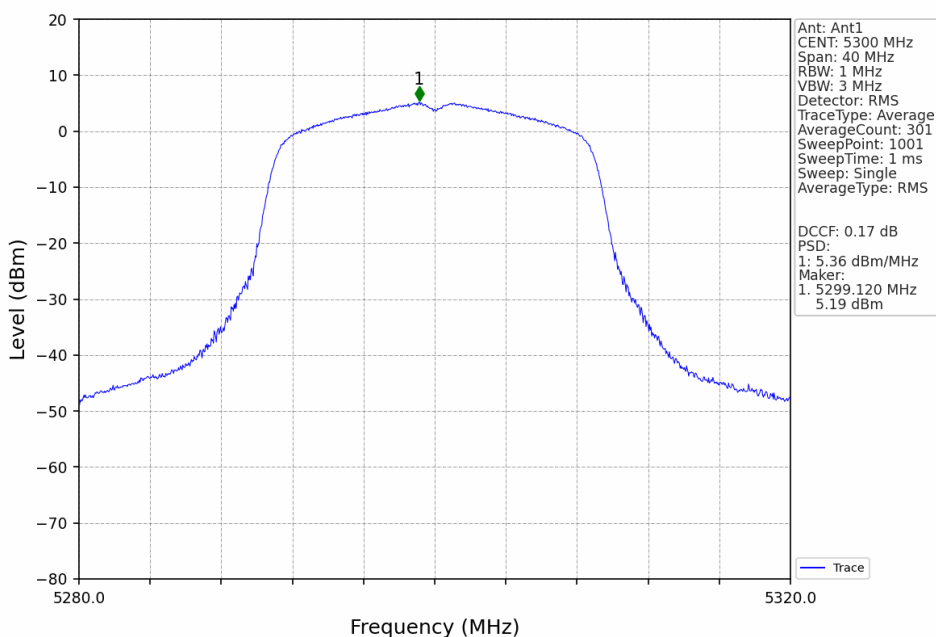
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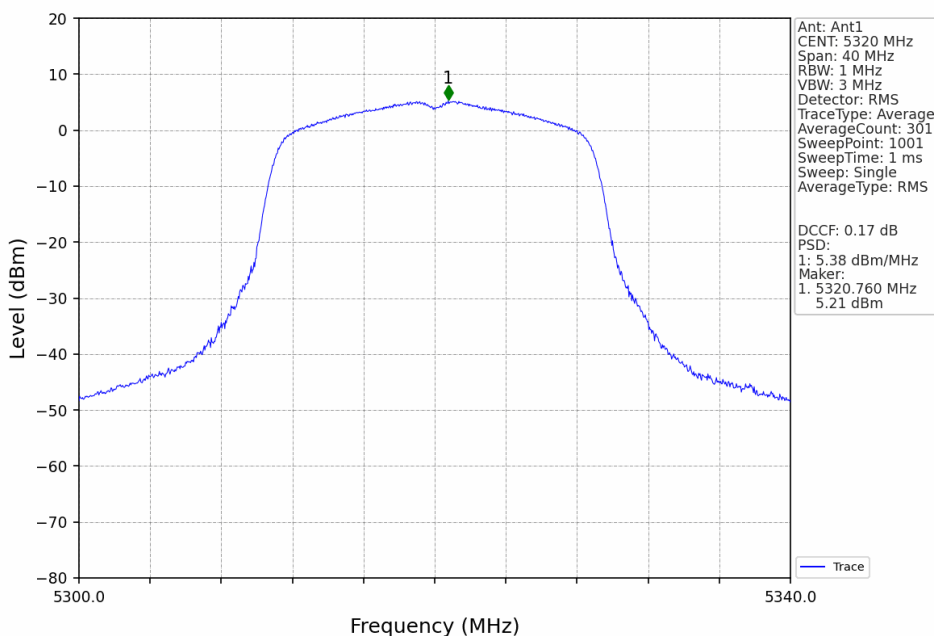
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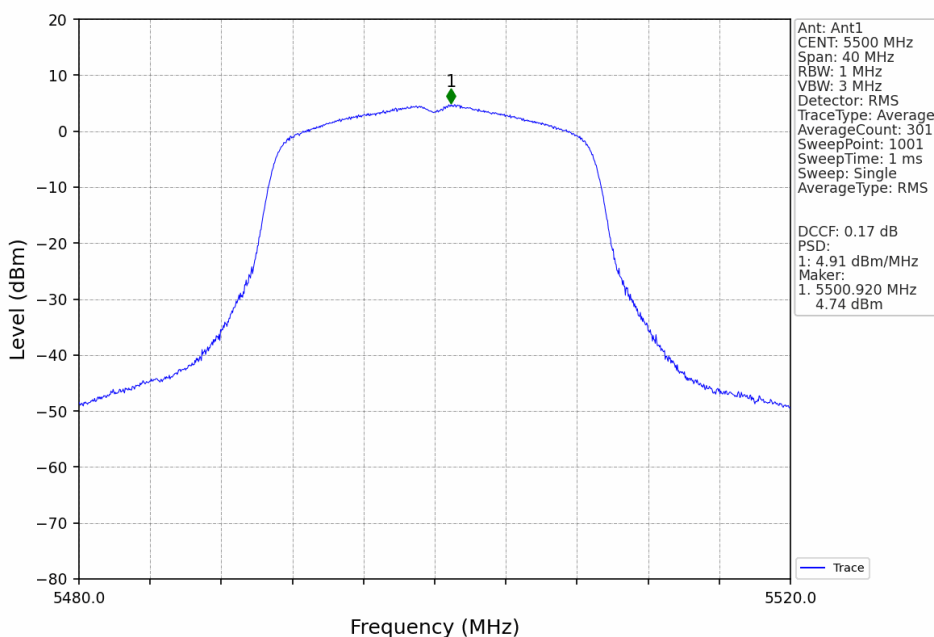
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



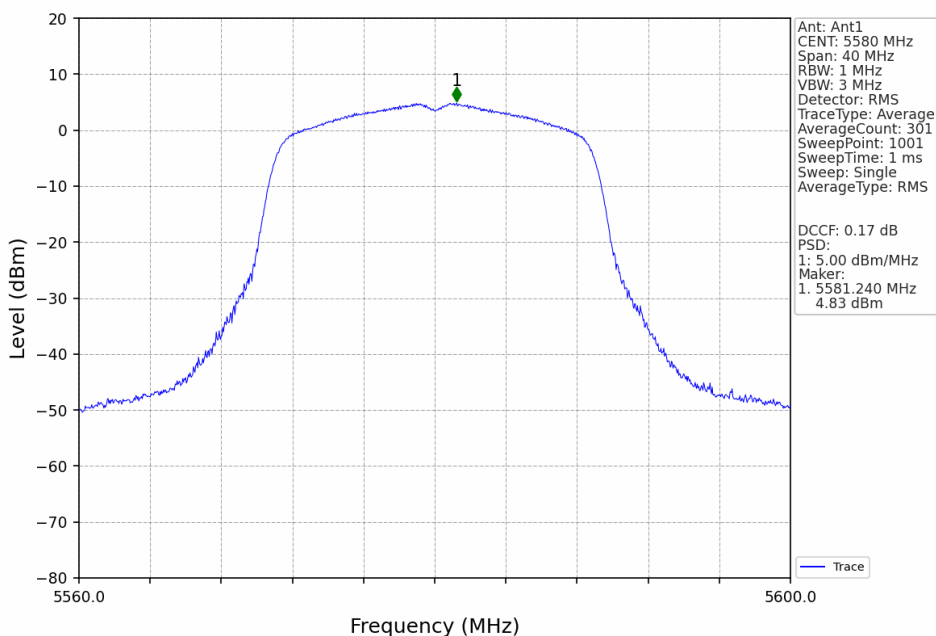
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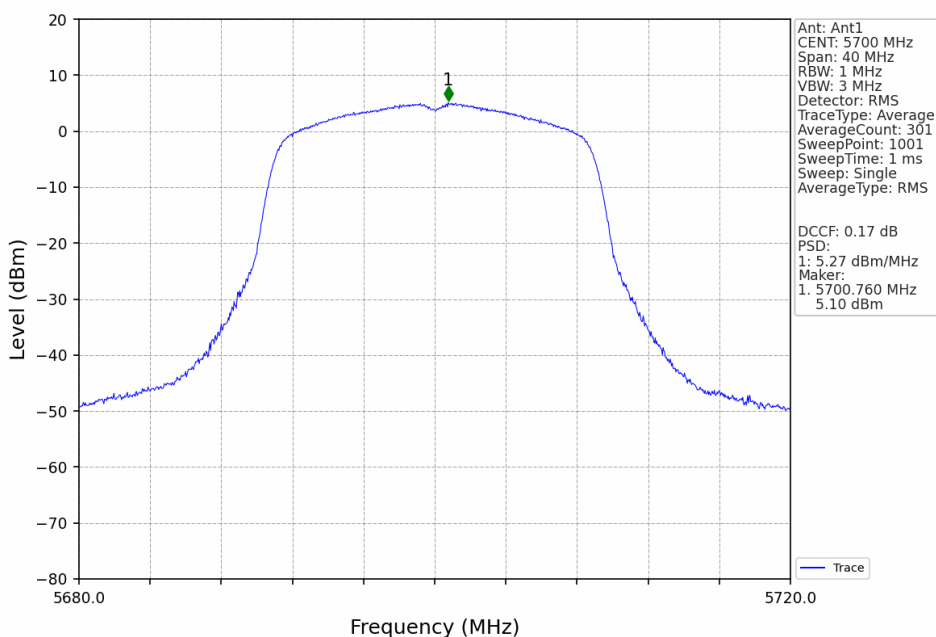
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



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