# ANNEX G TEST DATA

# For

| | |
|---|---|
| Project No.: | 8229EU012502W |
| Client: | Chengdu Hotack Technology Co., Ltd. |
| Product Description: | PROJECTOR |
| Model No.: | L007CM |
| FCC ID: | 2BFIZ-L007CM |
| Technology: | WiFi 5G |
| Test Engineer: | Mikey zhu |
| Test Date: | 2024-07-12 |

# Test Summary

| Item | Result |
|---|---|
| Duty Cycle | Pass |
| Bandwidth | Pass |
| Maximum Conducted Output Power | Pass |
| Maximum Power Spectral Density | Pass |
| Frequency Stability | Pass |

## 1. Duty Cycle

### 1.1 Test Result

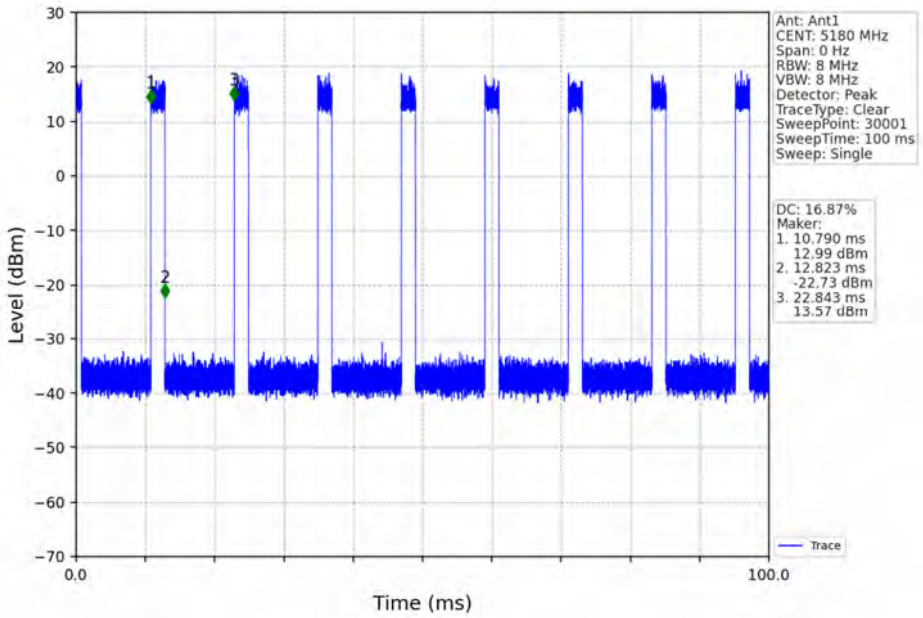
#### 1.1.1 Ant1

| Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mode | TX Type | Frequency (MHz) | RU | RU Pos | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11a | SISO | 5180 | / | / | 2.033 | 12.053 | 16.87 | 7.73 | 0.03 |
| | | 5200 | / | / | 2.033 | 12.057 | 16.86 | 7.73 | 0.03 |
| | | 5240 | / | / | 2.034 | 12.050 | 16.88 | 7.73 | 0.03 |
| | | 5745 | / | / | 2.033 | 12.057 | 16.86 | 7.73 | 0.01 |
| | | 5785 | / | / | 2.033 | 12.057 | 16.86 | 7.73 | 0.04 |
| | | 5825 | / | / | 2.033 | 12.053 | 16.87 | 7.73 | 0.03 |
| 802.11n (HT20) | SISO | 5180 | / | / | 1.893 | 11.917 | 15.88 | 7.99 | 0.03 |
| | | 5200 | / | / | 1.893 | 11.916 | 15.89 | 7.99 | 0.03 |
| | | 5240 | / | / | 1.893 | 11.910 | 15.89 | 7.99 | 0.03 |
| | | 5745 | / | / | 1.894 | 11.914 | 15.90 | 7.99 | 0.02 |
| | | 5785 | / | / | 1.893 | 11.916 | 15.89 | 7.99 | 0.03 |
| | | 5825 | / | / | 1.893 | 11.913 | 15.89 | 7.99 | 0.03 |
| 802.11n (HT40) | SISO | 5190 | / | / | 0.934 | 10.954 | 8.53 | 10.69 | 0.03 |
| | | 5230 | / | / | 0.933 | 10.950 | 8.52 | 10.70 | 0.00 |
| | | 5755 | / | / | 0.934 | 10.950 | 8.53 | 10.69 | 0.03 |
| | | 5795 | / | / | 0.933 | 11.150 | 8.37 | 10.77 | 0.18 |
| 802.11ac (VHT20) | SISO | 5180 | / | / | 1.900 | 11.917 | 15.94 | 7.97 | 0.03 |
| | | 5200 | / | / | 1.903 | 11.923 | 15.96 | 7.97 | 0.00 |
| | | 5240 | / | / | 1.900 | 11.916 | 15.94 | 7.97 | 0.03 |
| | | 5745 | / | / | 1.900 | 11.916 | 15.94 | 7.97 | 0.03 |
| | | 5785 | / | / | 1.900 | 11.923 | 15.94 | 7.98 | 0.04 |
| | | 5825 | / | / | 1.900 | 11.920 | 15.94 | 7.98 | 0.03 |
| 802.11ac (VHT40) | SISO | 5190 | / | / | 0.937 | 10.954 | 8.55 | 10.68 | 0.03 |
| | | 5230 | / | / | 0.937 | 11.484 | 8.16 | 10.88 | 0.43 |
| | | 5755 | / | / | 0.936 | 10.956 | 8.54 | 10.68 | 0.03 |
| | | 5795 | / | / | 0.937 | 11.143 | 8.41 | 10.75 | 0.18 |

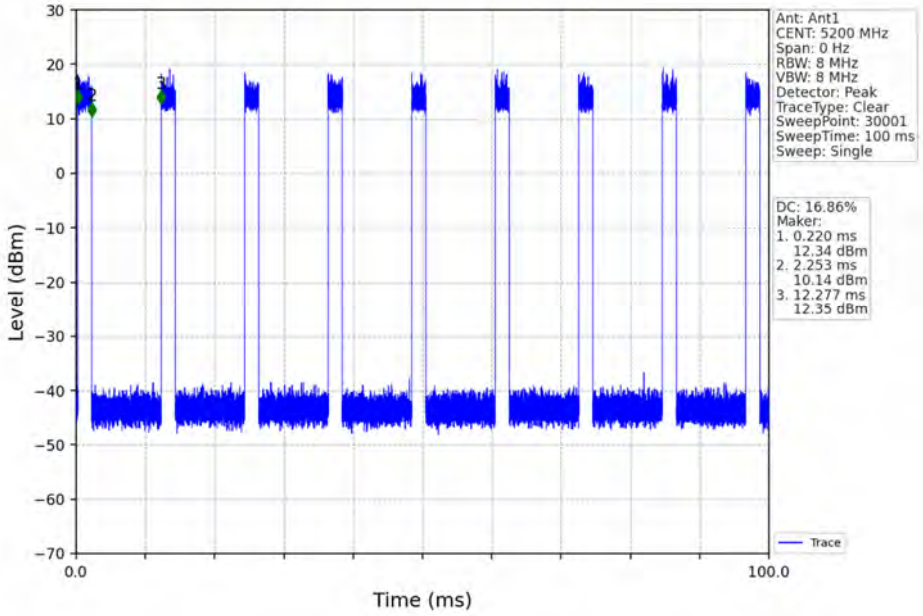
### 1.2 Test Graph

#### 1.2.1 Ant1

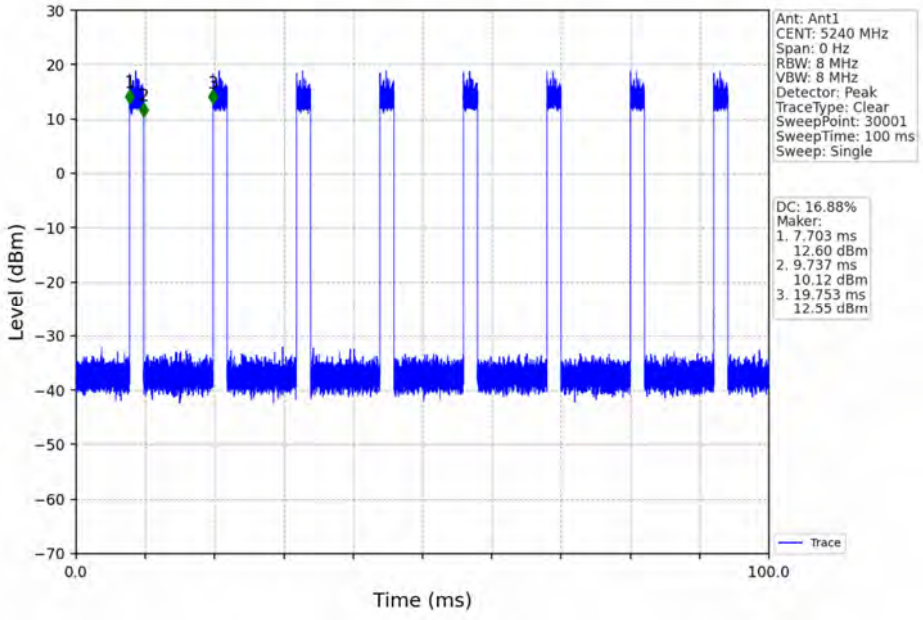
802.11a_LCH_5180MHz_Ant1_NTNV



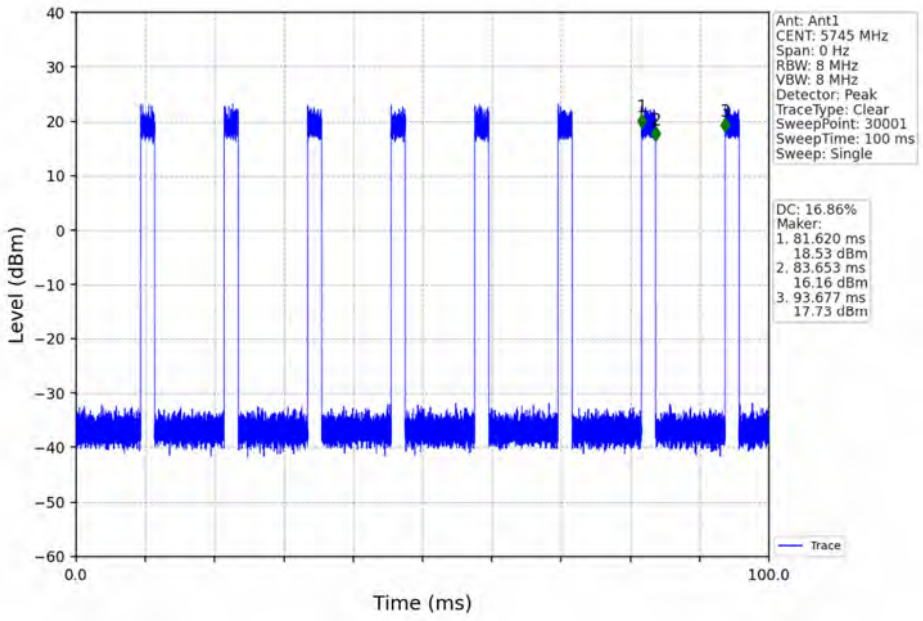

802.11a_MCH_5200MHz_Ant1_NTNV



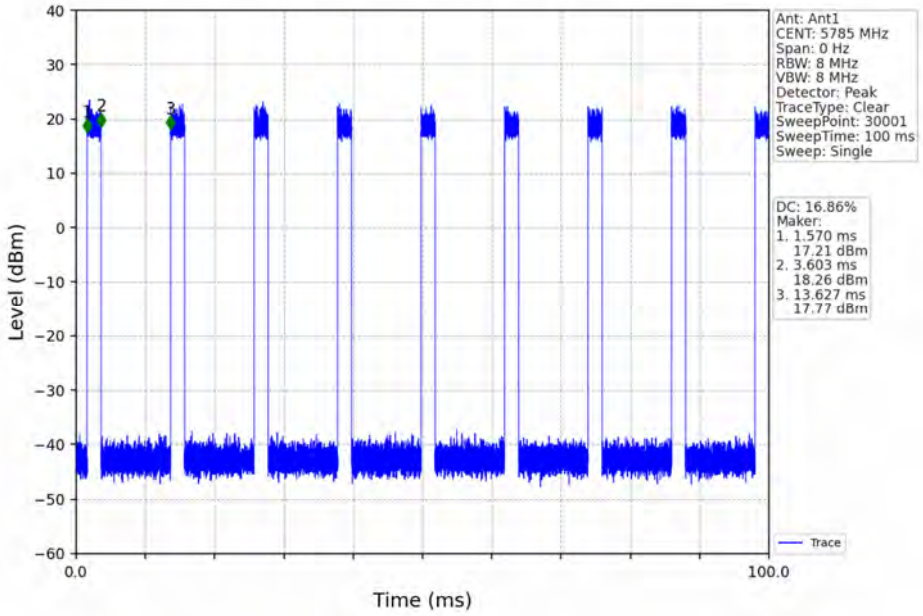
802.11a_HCH_5240MHz_Ant1_NTNV



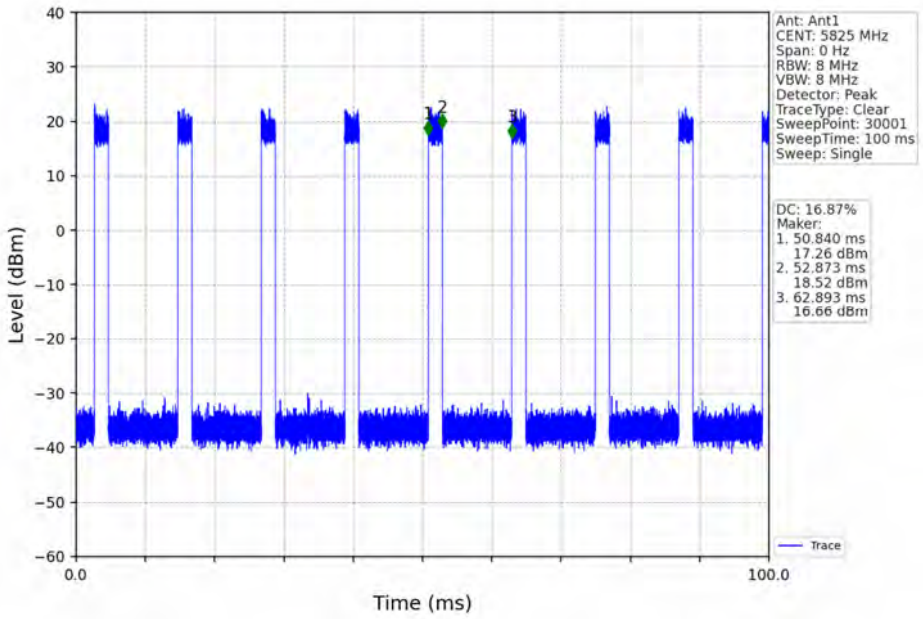

802.11a_LCH_5745MHz_Ant1_NTNV



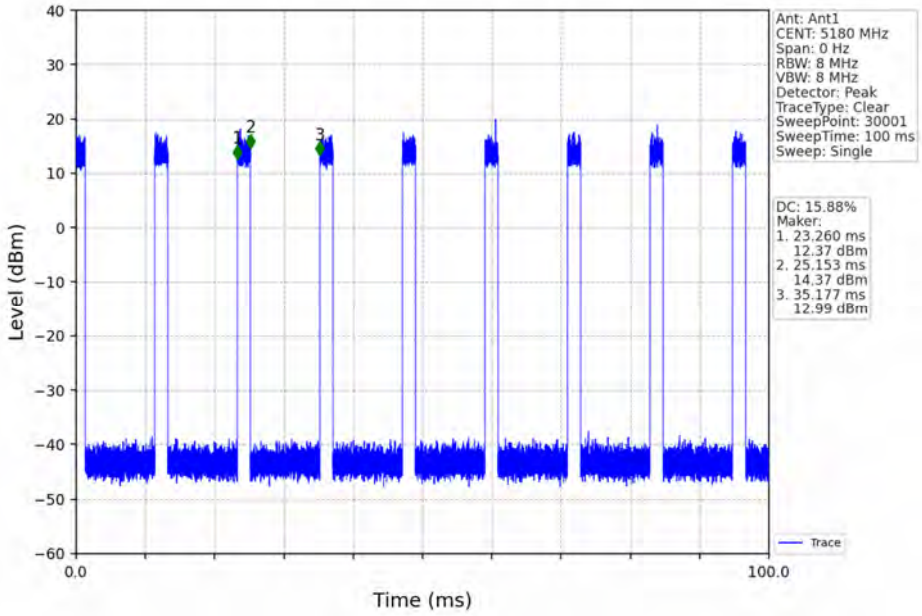
802.11a_MCH_5785MHz_Ant1_NTNV



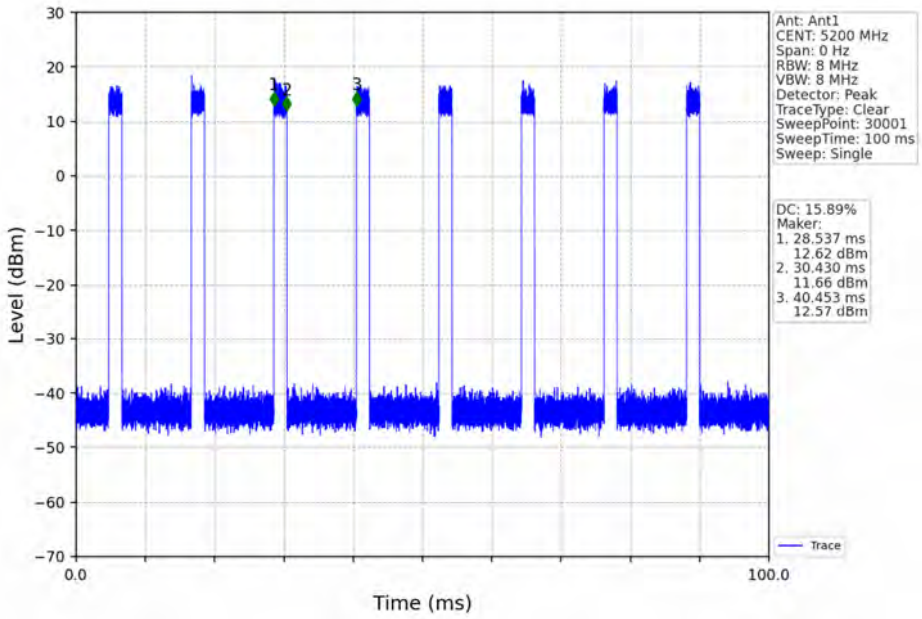

802.11a_HCH_5825MHz_Ant1_NTNV



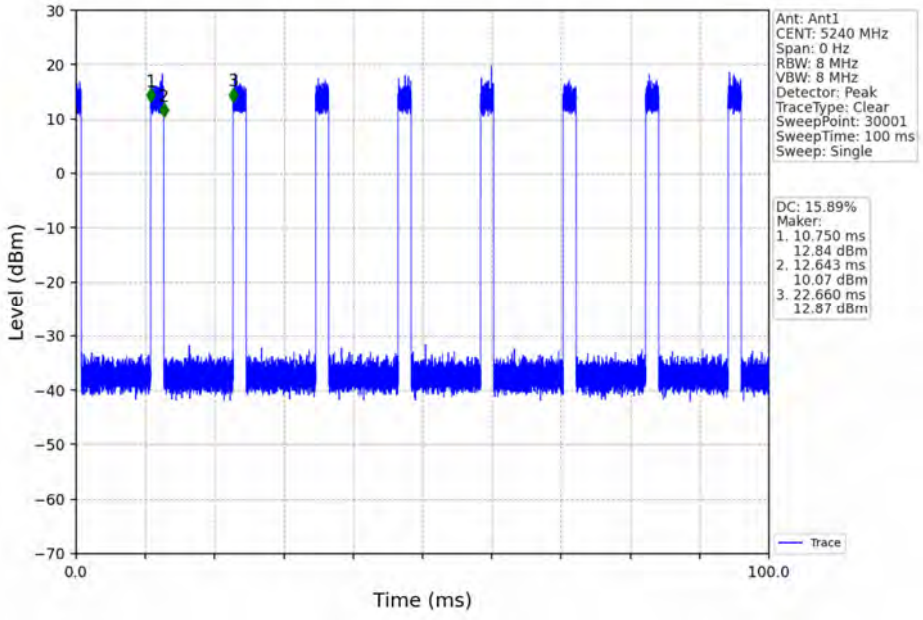
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



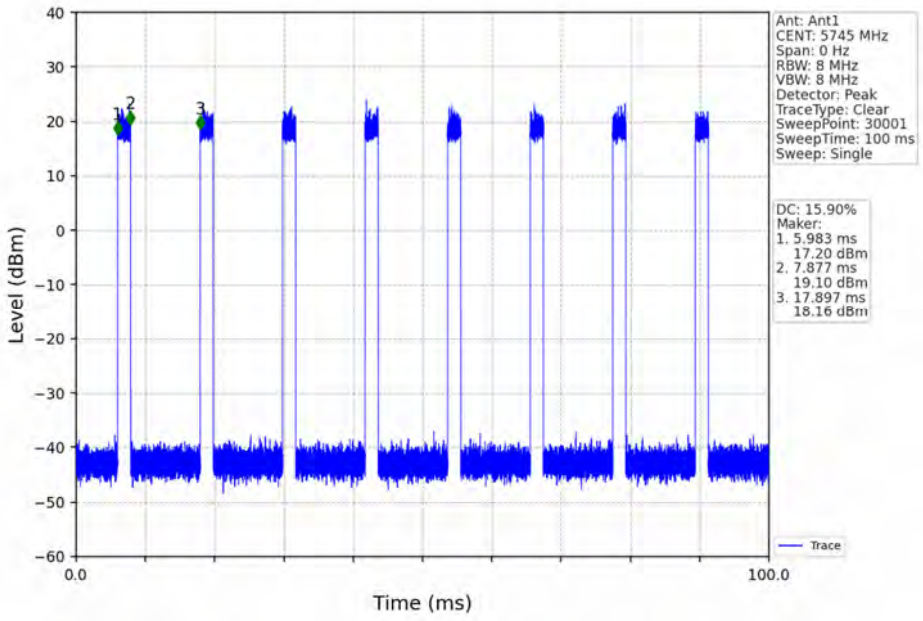

802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



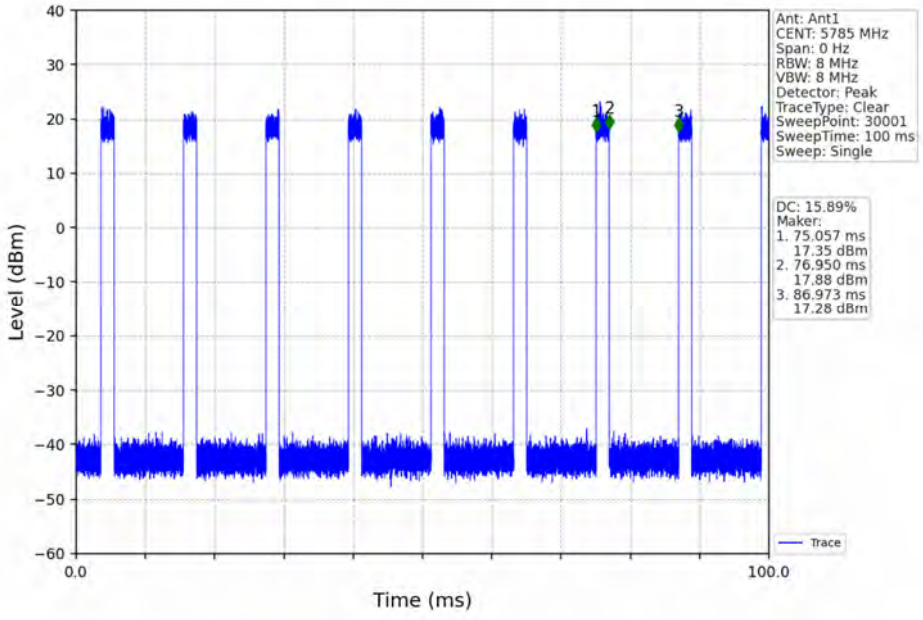
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



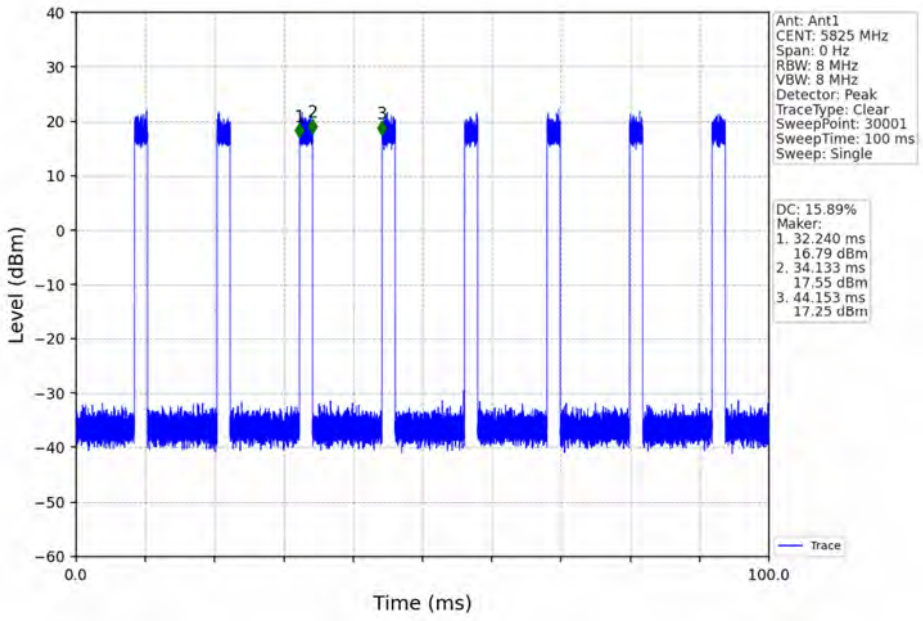

802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



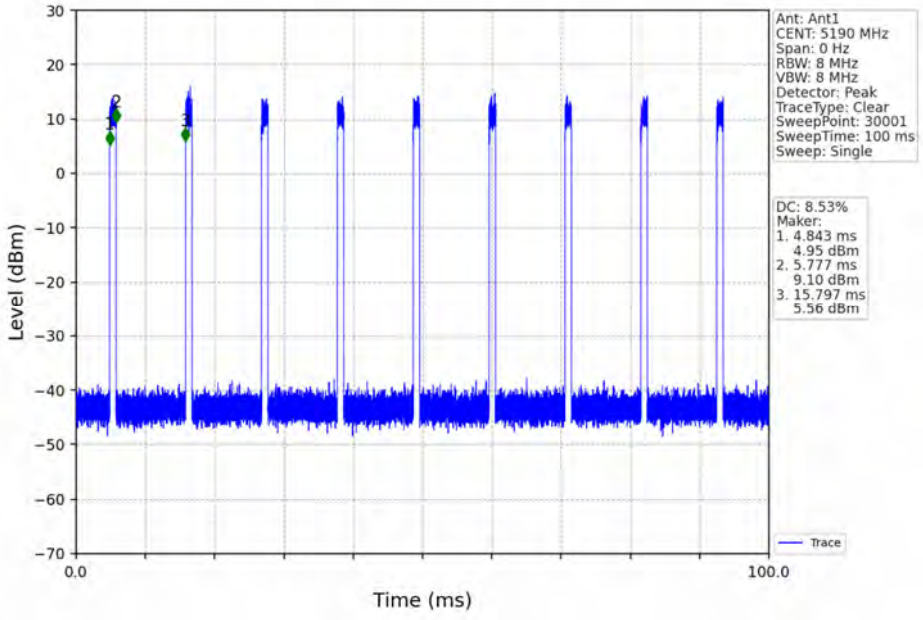
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



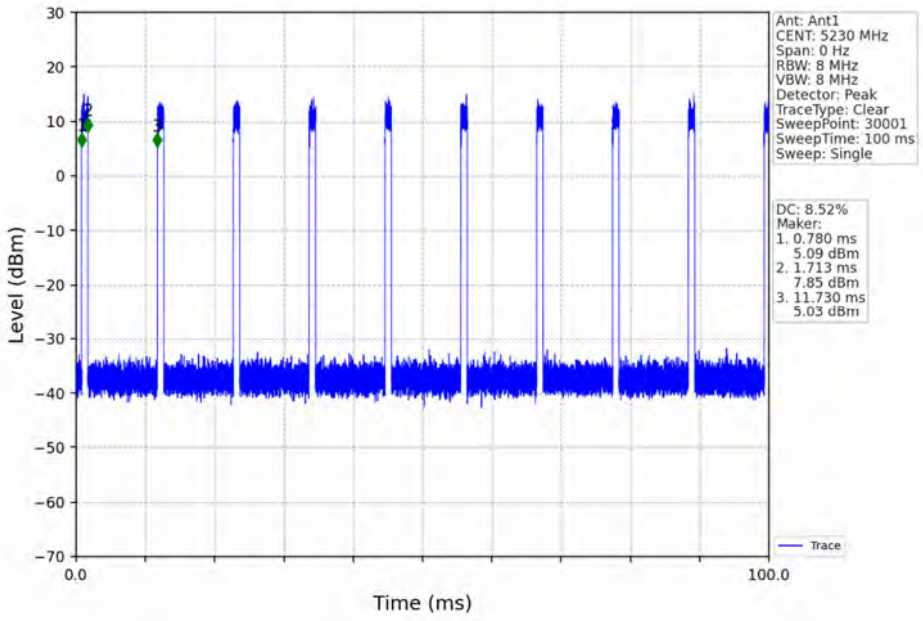

802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



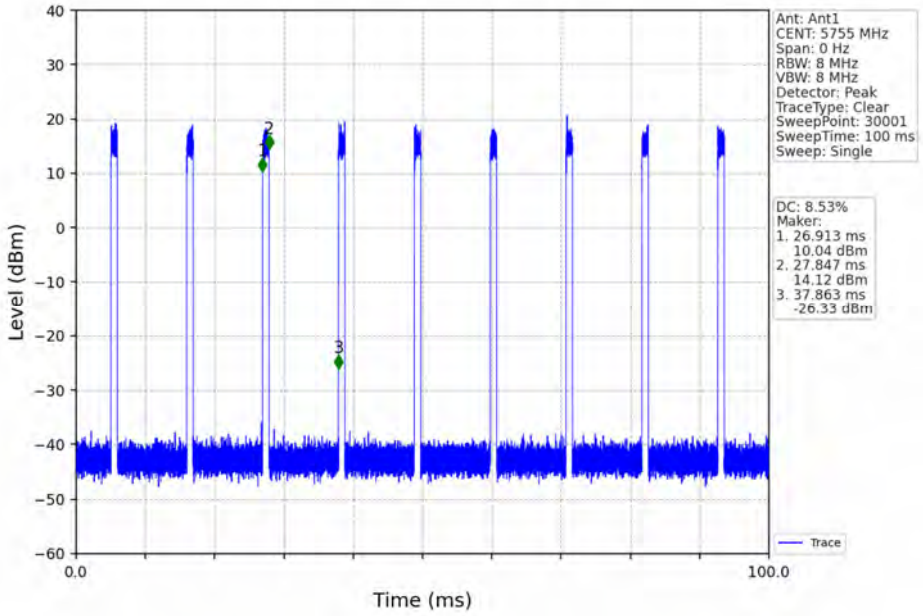
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



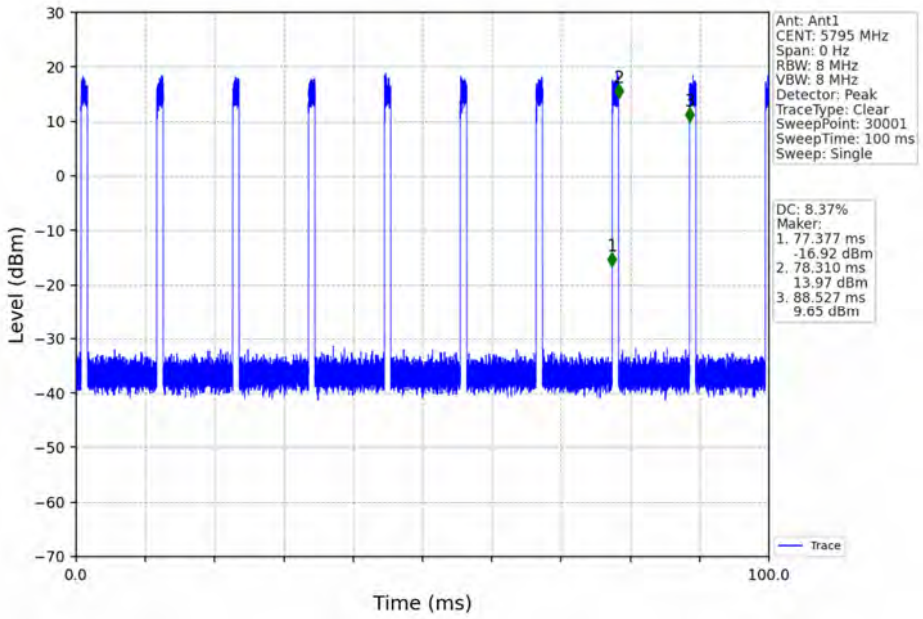

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



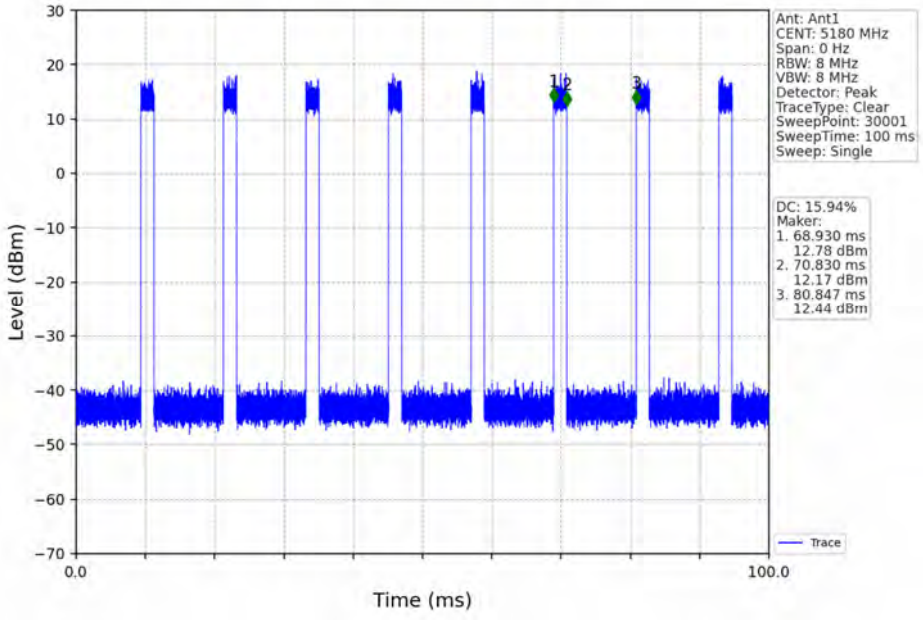
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



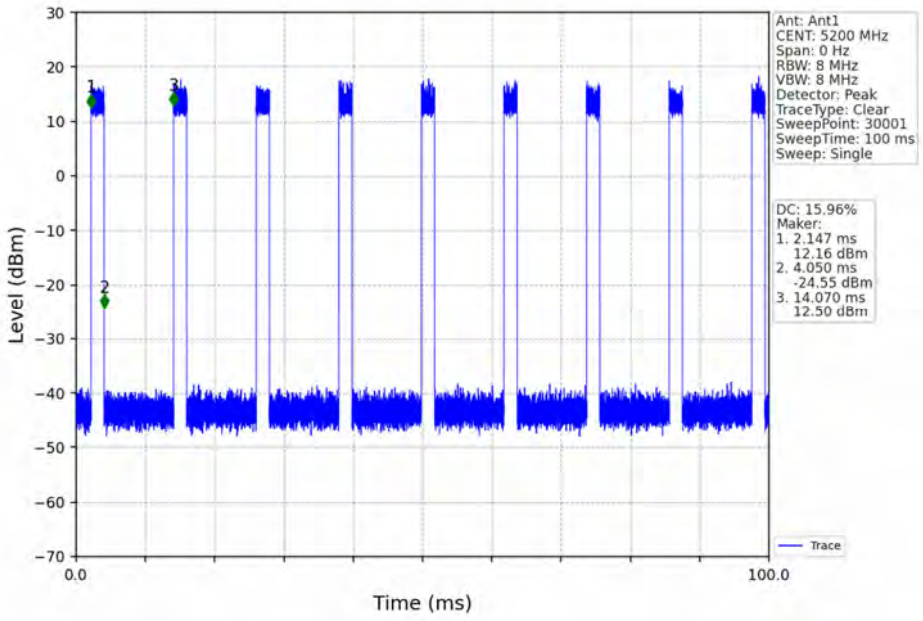

802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



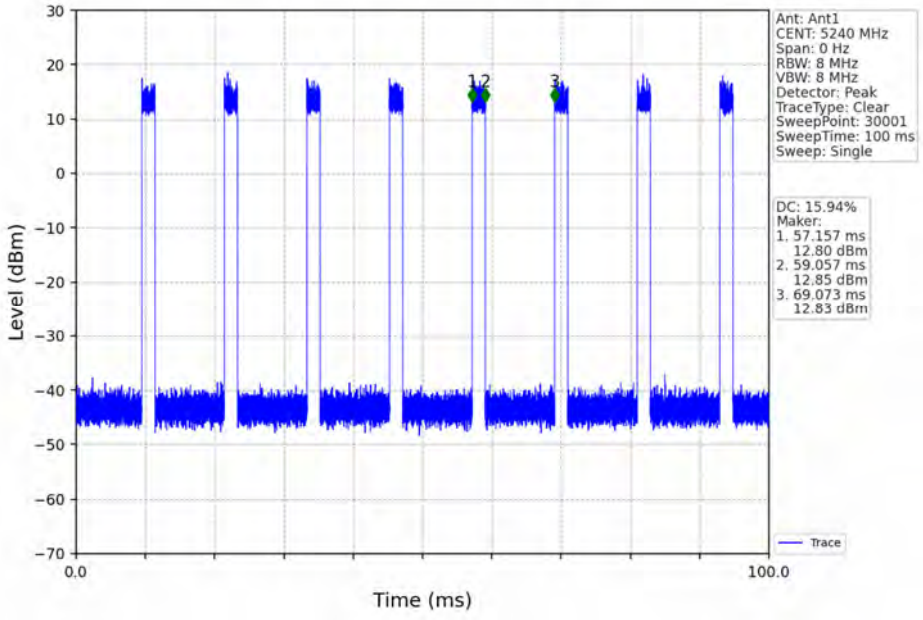
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



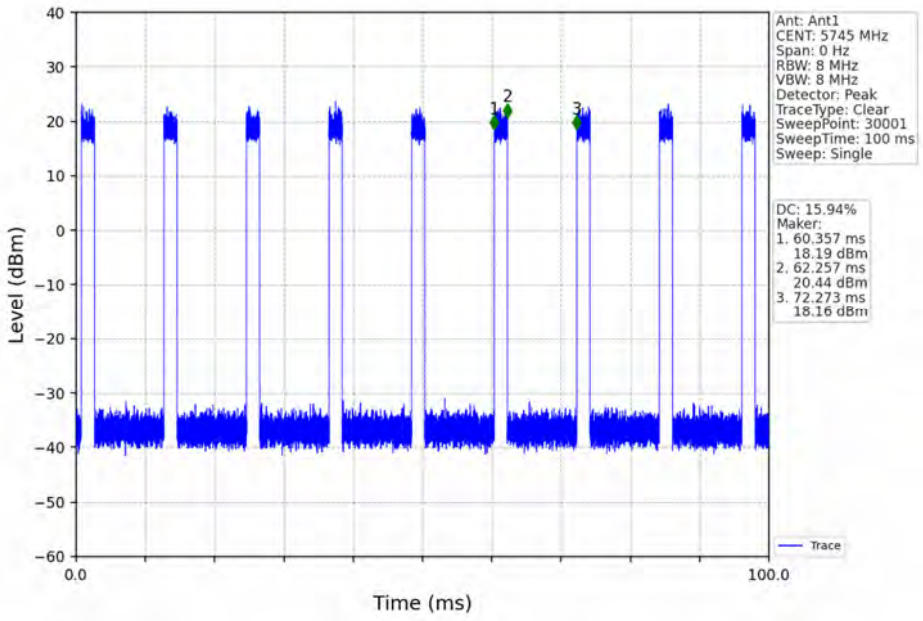

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



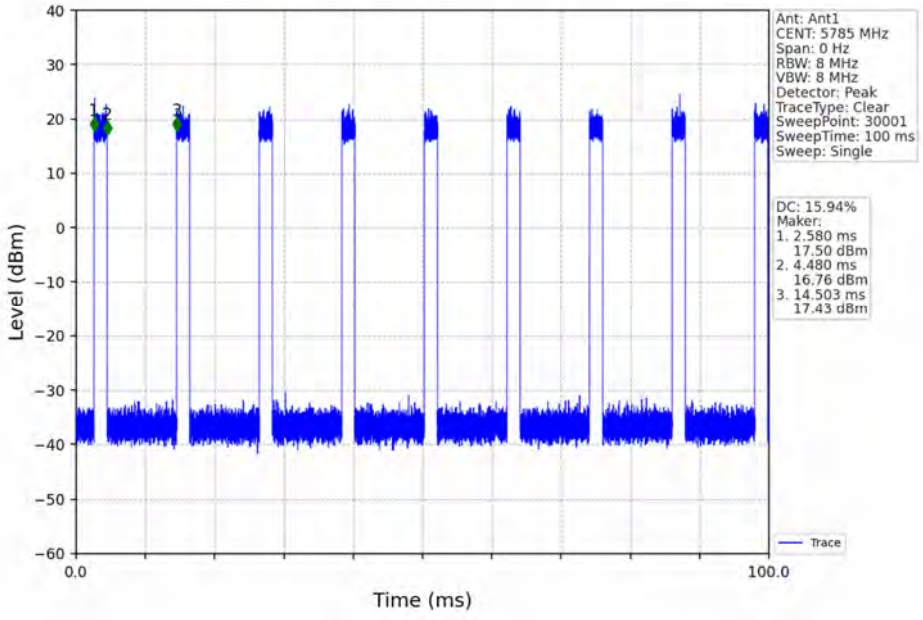
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



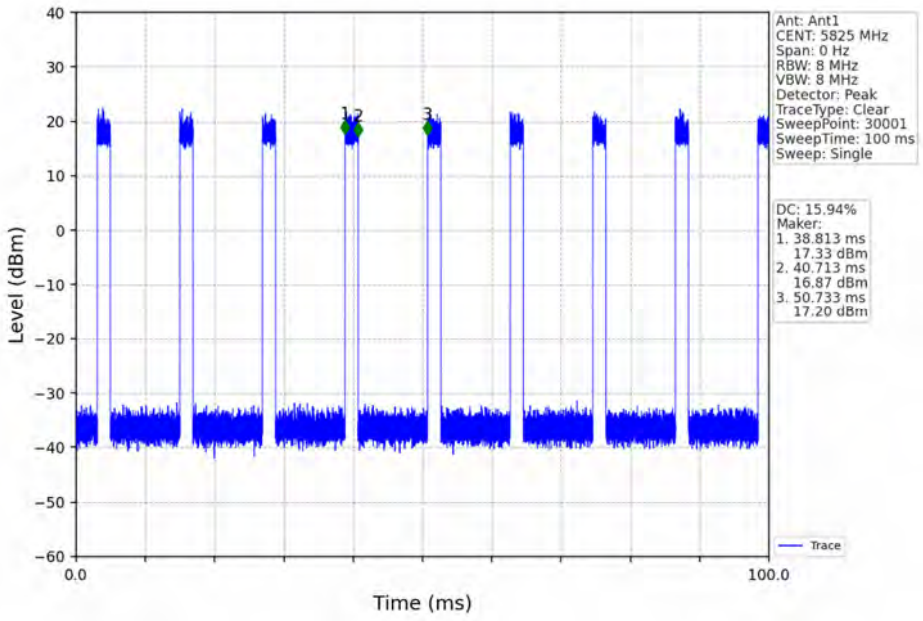

802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



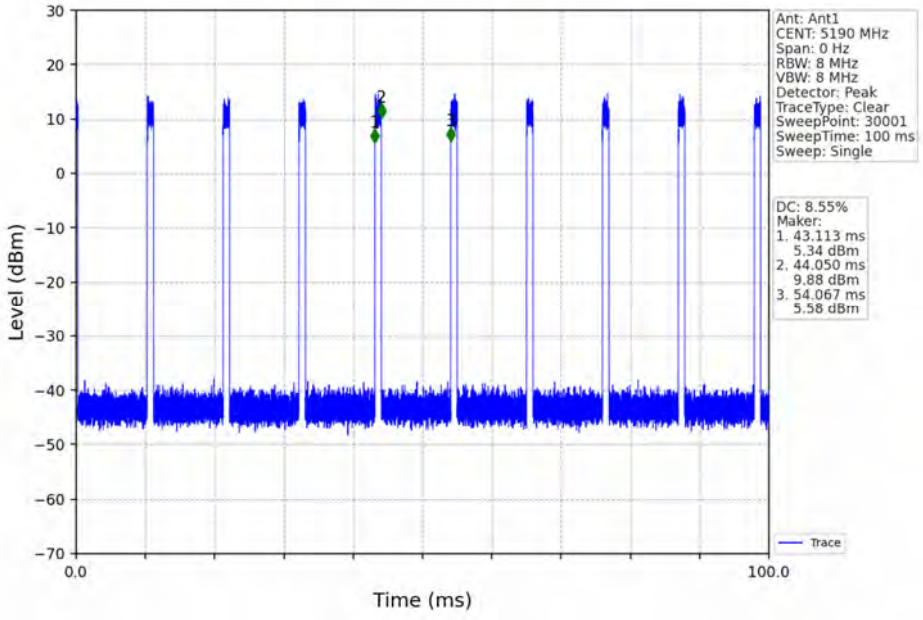
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



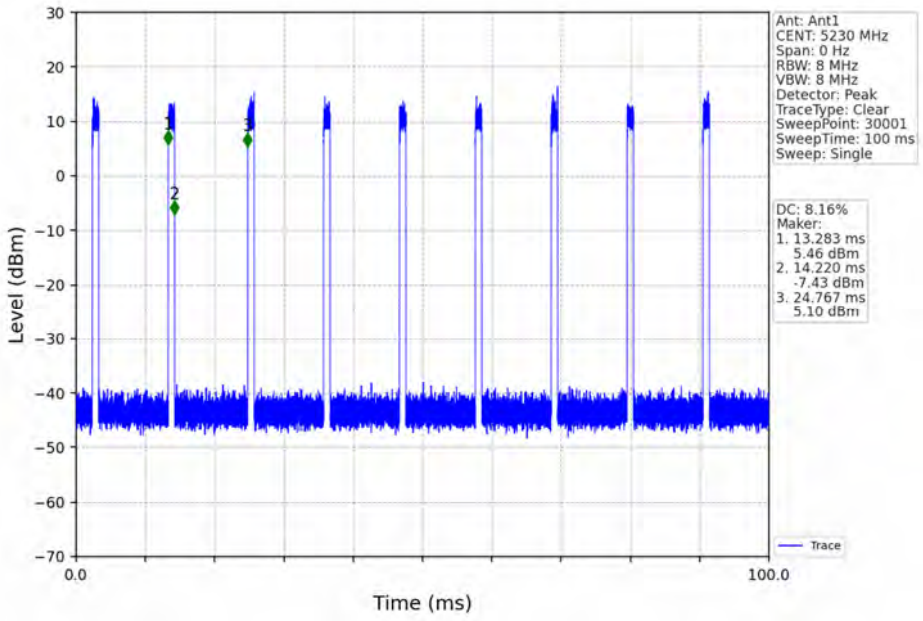

802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



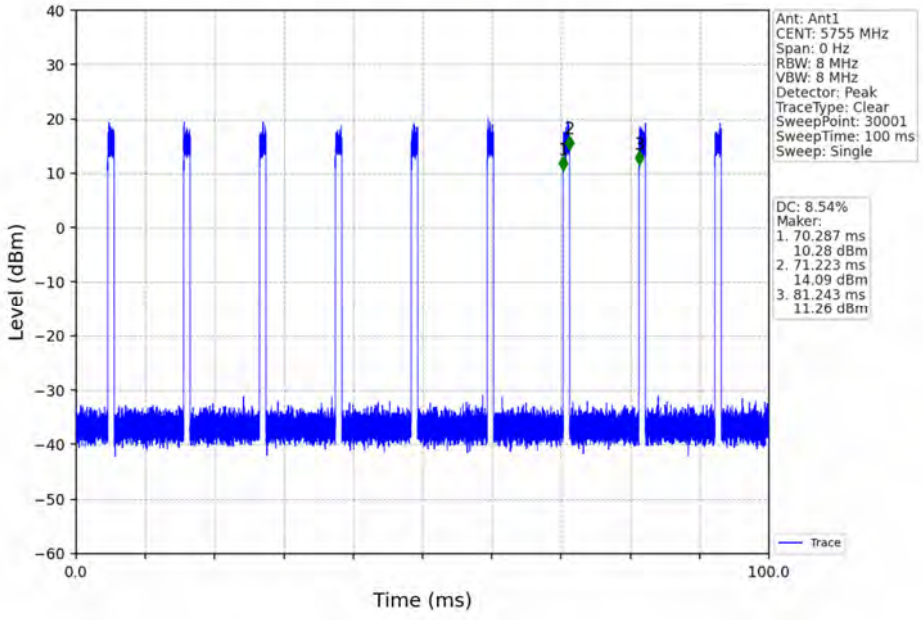
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



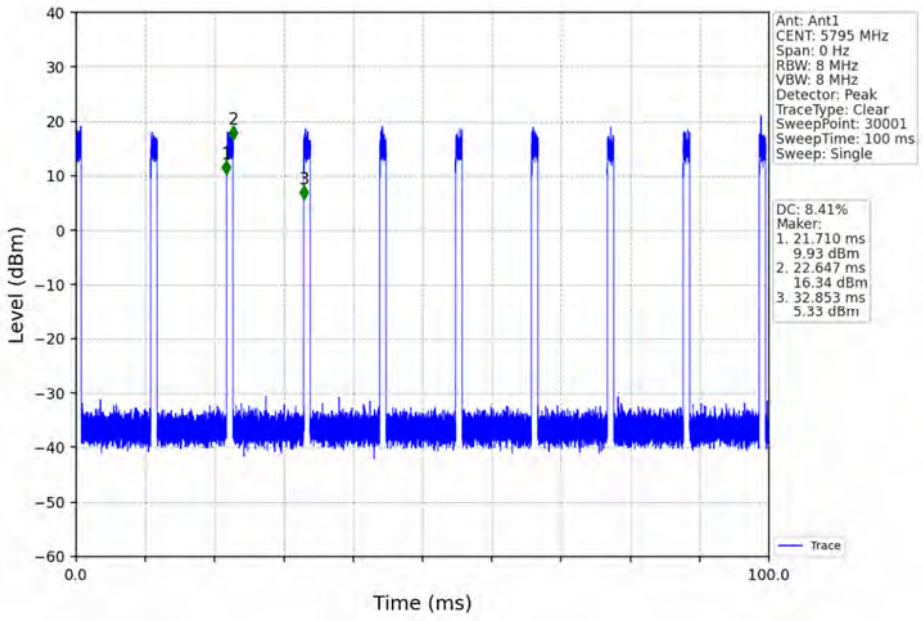

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Result | Limit | |
| 802.11a | SISO | 5180 | / | / | 1 | 18.395 | / | Pass |
| | | 5200 | / | / | 1 | 18.473 | / | Pass |
| | | 5240 | / | / | 1 | 18.094 | / | Pass |
| | | 5745 | / | / | 1 | 18.988 | / | Pass |
| | | 5785 | / | / | 1 | 18.849 | / | Pass |
| | | 5825 | / | / | 1 | 19.002 | / | Pass |
| 802.11n (HT20) | SISO | 5180 | / | / | 1 | 19.377 | / | Pass |
| | | 5200 | / | / | 1 | 19.367 | / | Pass |
| | | 5240 | / | / | 1 | 19.588 | / | Pass |
| | | 5745 | / | / | 1 | 19.843 | / | Pass |
| | | 5785 | / | / | 1 | 19.774 | / | Pass |
| | | 5825 | / | / | 1 | 19.876 | / | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | 1 | 37.425 | / | Pass |
| | | 5230 | / | / | 1 | 37.489 | / | Pass |
| | | 5755 | / | / | 1 | 38.094 | / | Pass |
| | | 5795 | / | / | 1 | 38.179 | / | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | 1 | 19.331 | / | Pass |
| | | 5200 | / | / | 1 | 19.356 | / | Pass |
| | | 5240 | / | / | 1 | 19.296 | / | Pass |
| | | 5745 | / | / | 1 | 19.689 | / | Pass |
| | | 5785 | / | / | 1 | 19.852 | / | Pass |
| | | 5825 | / | / | 1 | 19.850 | / | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | 1 | 37.460 | / | Pass |
| | | 5230 | / | / | 1 | 37.554 | / | Pass |
| | | 5755 | / | / | 1 | 38.266 | / | Pass |
| | | 5795 | / | / | 1 | 38.271 | / | Pass |

### 2.1.2 6dB BW

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 6dB Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Result | Limit | |
| 802.11a | SISO | 5745 | / | / | 1 | 16.442 | >=0.5 | Pass |
| | | 5785 | / | / | 1 | 16.416 | >=0.5 | Pass |
| | | 5825 | / | / | 1 | 16.406 | >=0.5 | Pass |
| 802.11n (HT20) | SISO | 5745 | / | / | 1 | 17.640 | >=0.5 | Pass |
| | | 5785 | / | / | 1 | 17.638 | >=0.5 | Pass |
| | | 5825 | / | / | 1 | 17.650 | >=0.5 | Pass |
| 802.11n (HT40) | SISO | 5755 | / | / | 1 | 36.403 | >=0.5 | Pass |
| | | 5795 | / | / | 1 | 36.400 | >=0.5 | Pass |
| 802.11ac (VHT20) | SISO | 5745 | / | / | 1 | 17.654 | >=0.5 | Pass |
| | | 5785 | / | / | 1 | 17.640 | >=0.5 | Pass |
| | | 5825 | / | / | 1 | 17.628 | >=0.5 | Pass |
| 802.11ac (VHT40) | SISO | 5755 | / | / | 1 | 36.388 | >=0.5 | Pass |
| | | 5795 | / | / | 1 | 36.407 | >=0.5 | Pass |

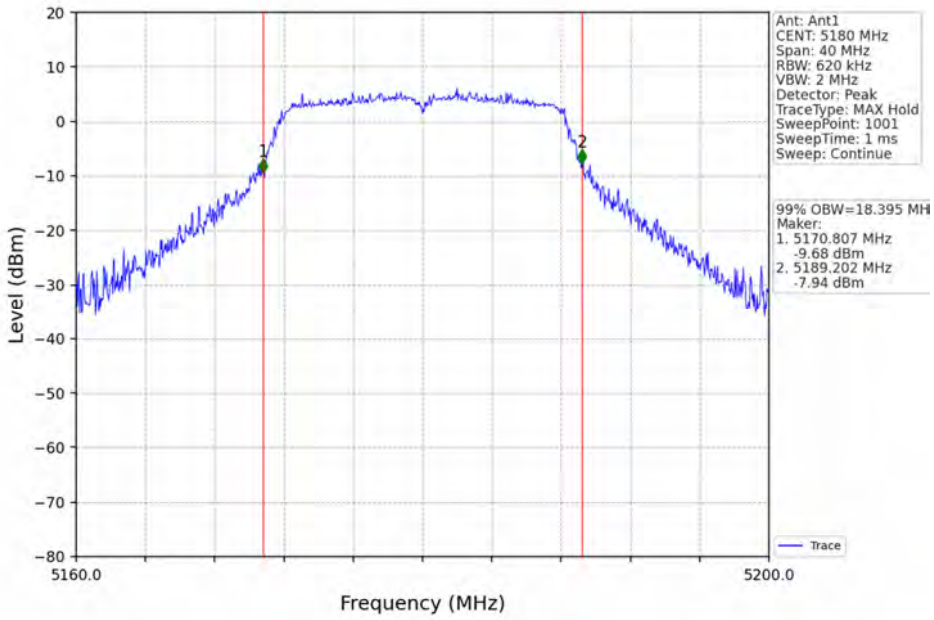
### 2.1.3 26dB BW

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | ANT | 26dB Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Result | Limit | |
| 802.11a | SISO | 5180 | / | / | 1 | 23.735 | / | Pass |
| | | 5200 | / | / | 1 | 24.166 | / | Pass |
| | | 5240 | / | / | 1 | 23.008 | / | Pass |
| 802.11n (HT20) | SISO | 5180 | / | / | 1 | 24.855 | / | Pass |
| | | 5200 | / | / | 1 | 24.662 | / | Pass |
| | | 5240 | / | / | 1 | 25.450 | / | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | 1 | 44.360 | / | Pass |
| | | 5230 | / | / | 1 | 45.201 | / | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | 1 | 25.286 | / | Pass |
| | | 5200 | / | / | 1 | 24.909 | / | Pass |
| | | 5240 | / | / | 1 | 24.060 | / | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | 1 | 46.012 | / | Pass |
| | | 5230 | / | / | 1 | 45.442 | / | Pass |

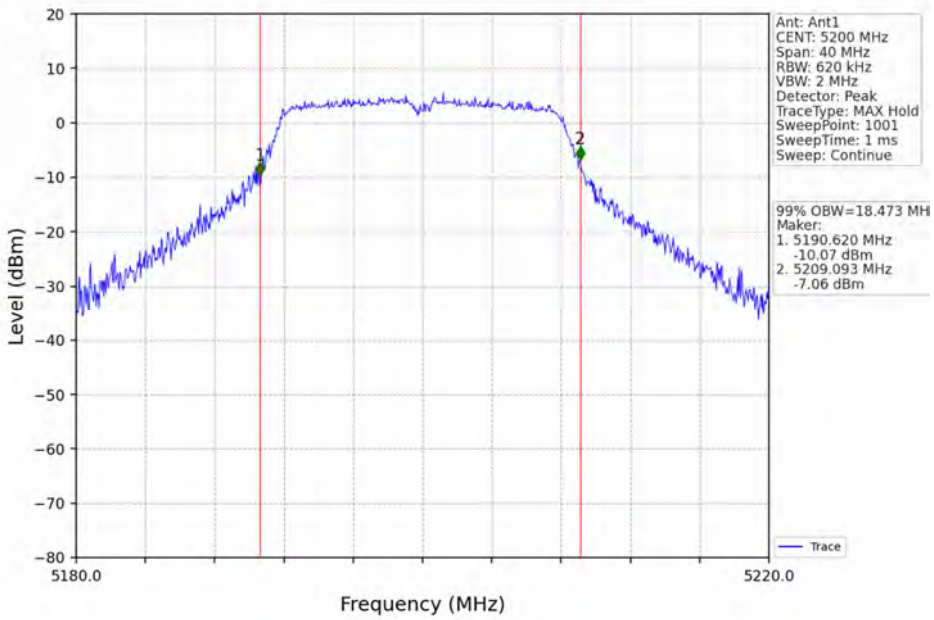
## 2.2 Test Graph

### 2.2.1 OBW

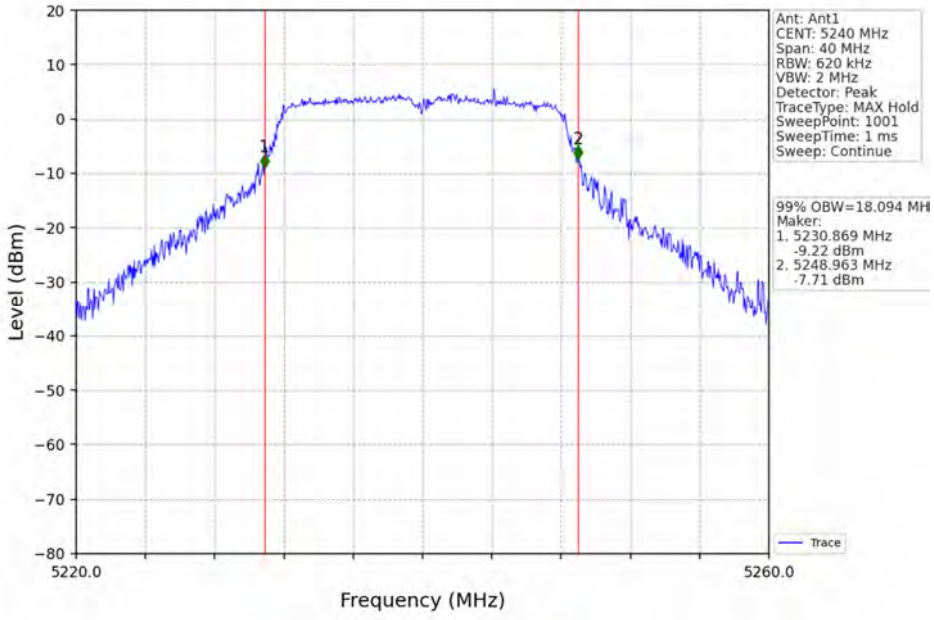
802.11a_LCH_5180MHz_Ant1_NTNV



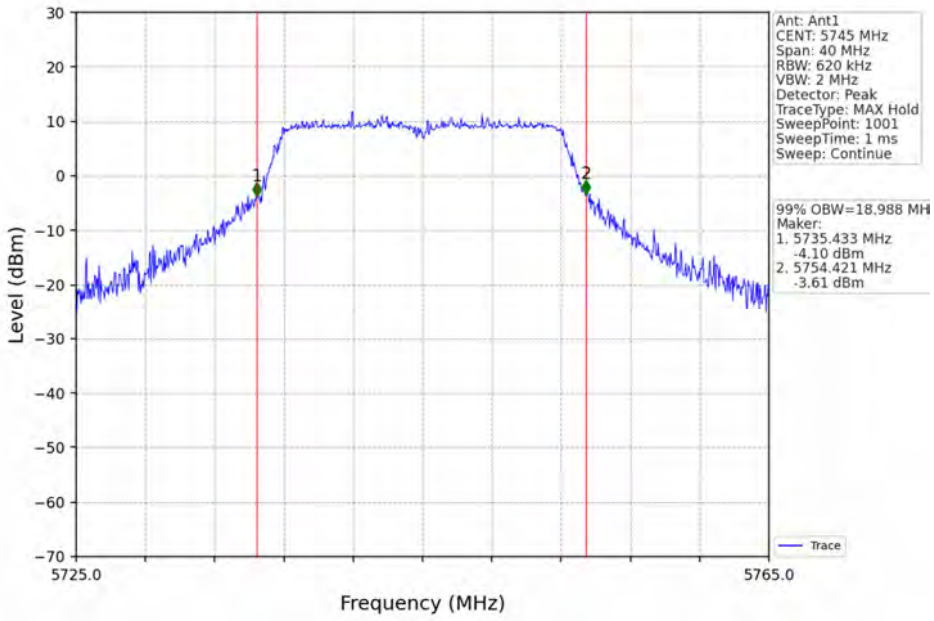

802.11a_MCH_5200MHz_Ant1_NTNV



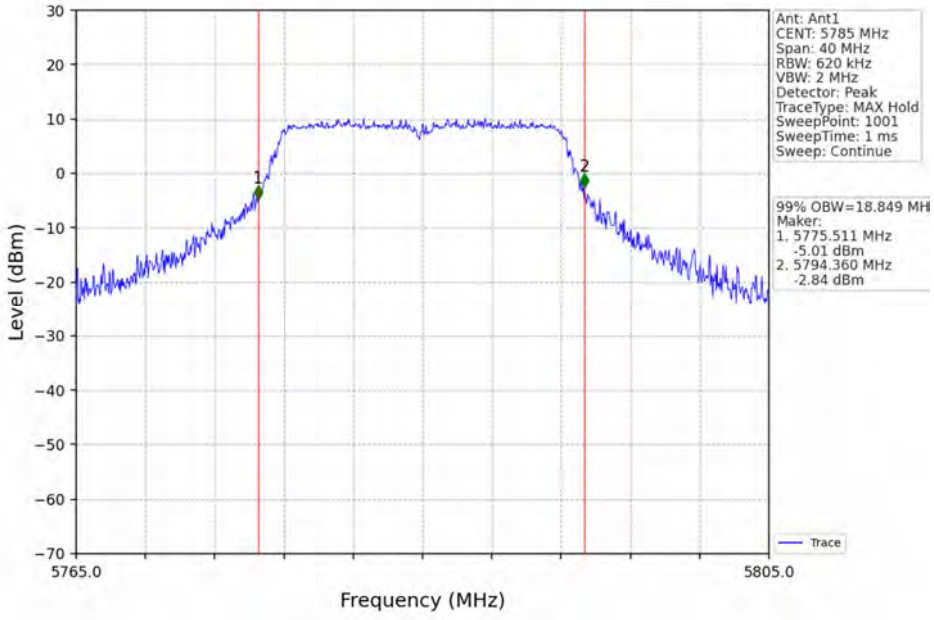
802.11a_HCH_5240MHz_Ant1_NTNV



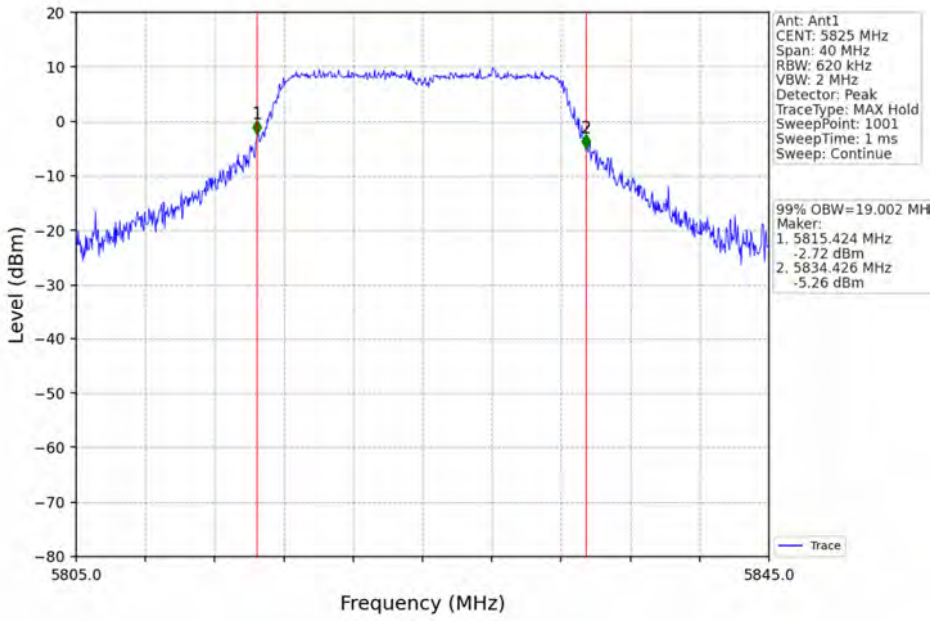

802.11a_LCH_5745MHz_Ant1_NTNV



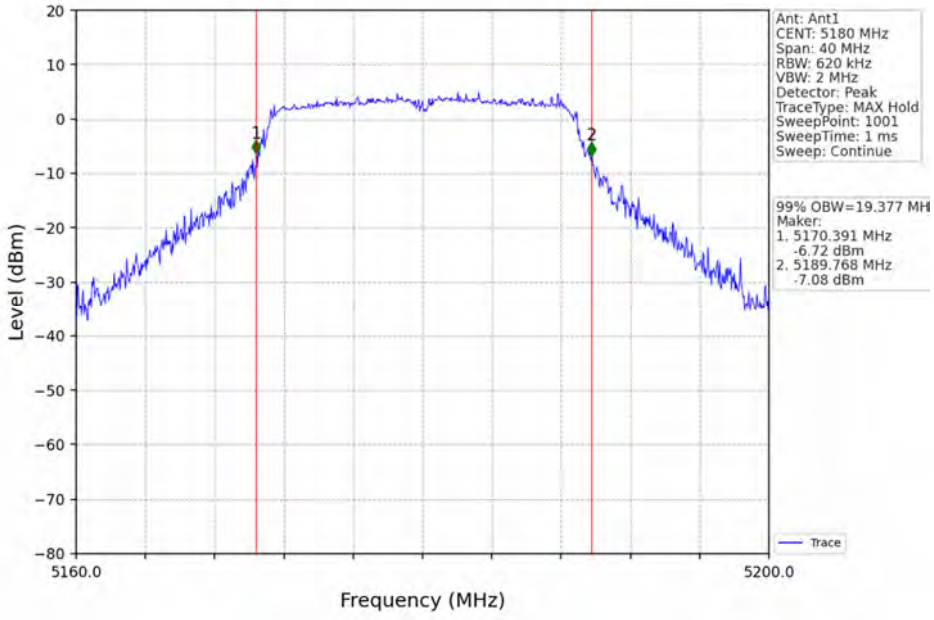
802.11a_MCH_5785MHz_Ant1_NTNV



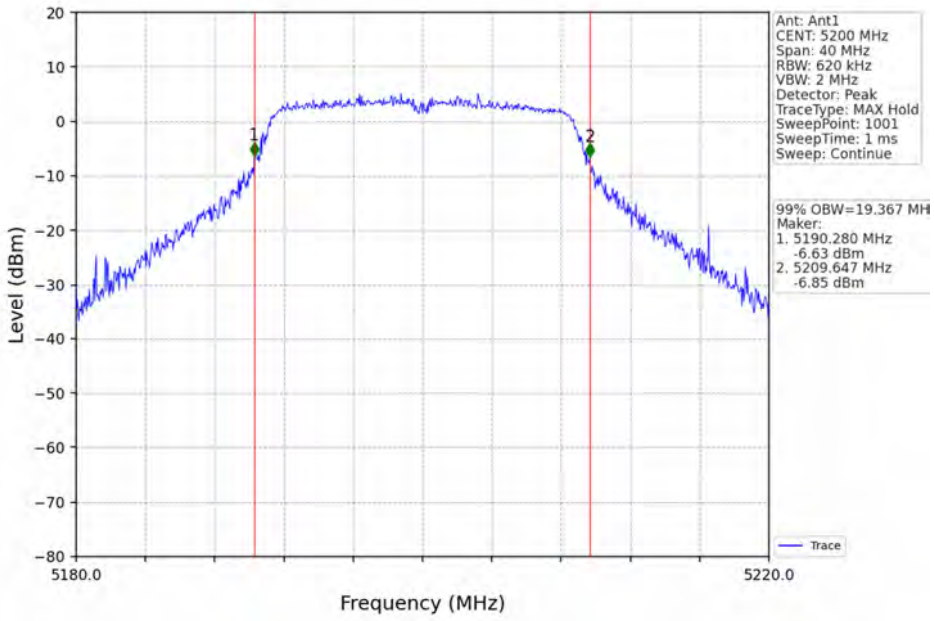

802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV




802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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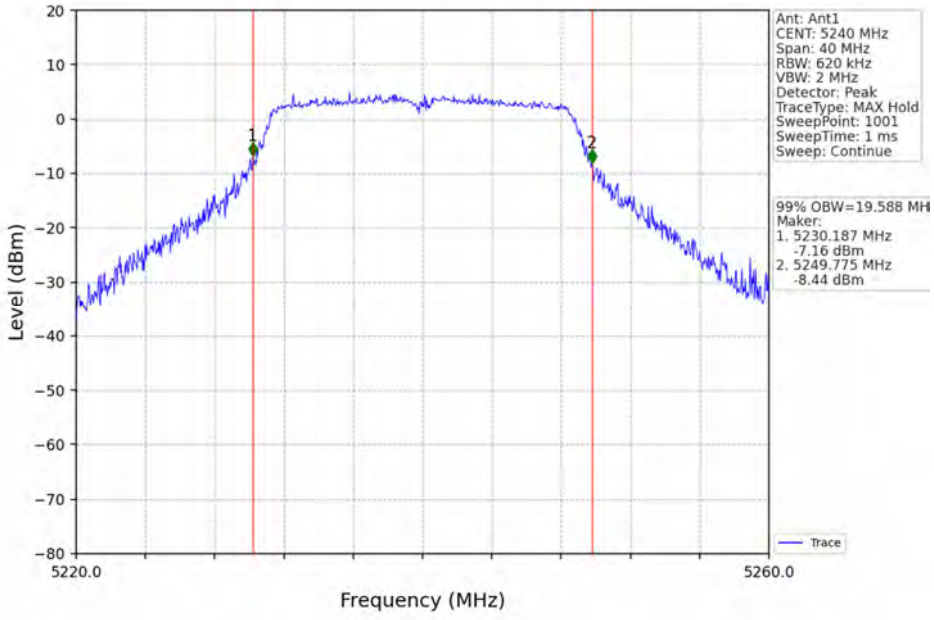


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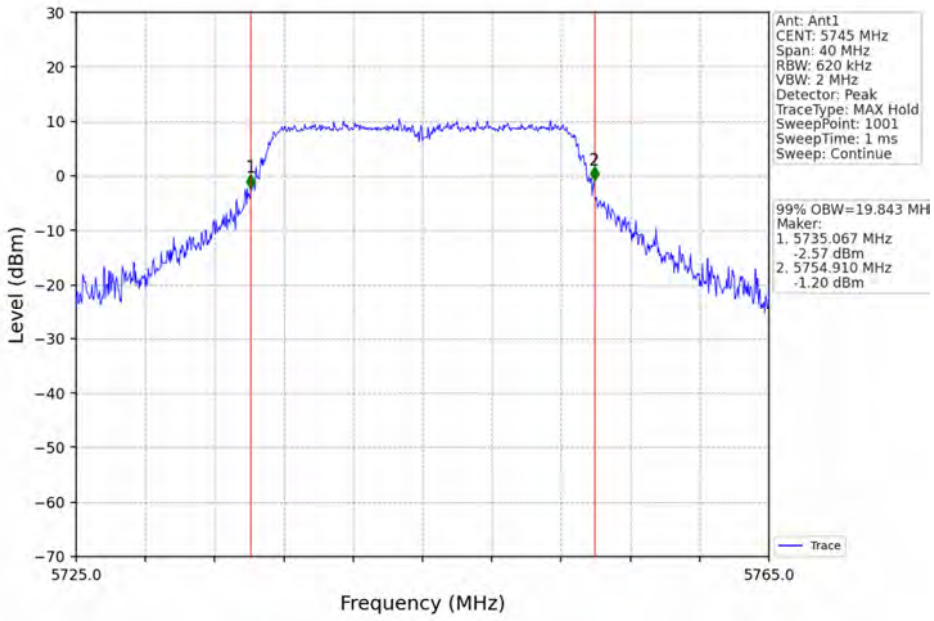

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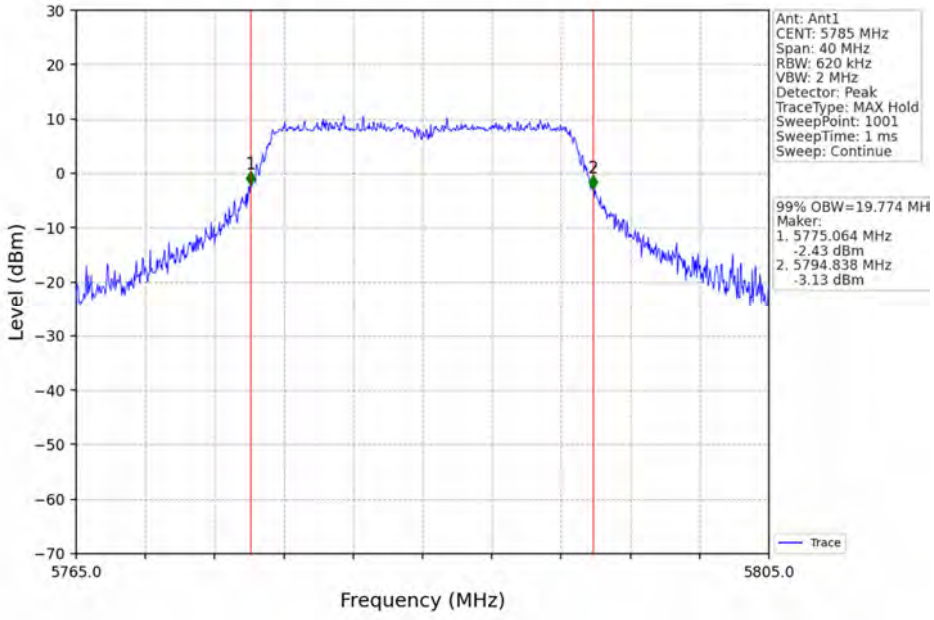
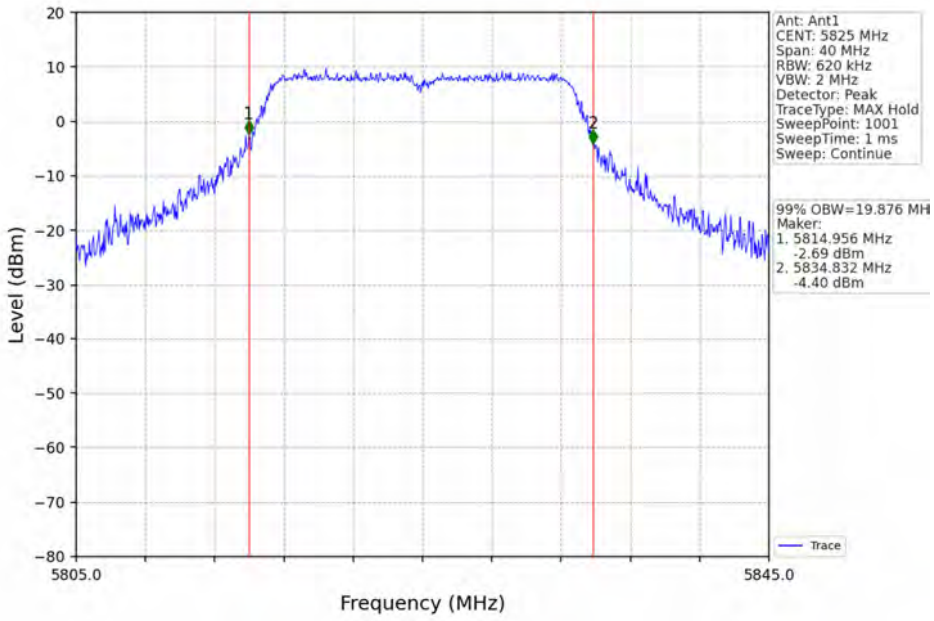
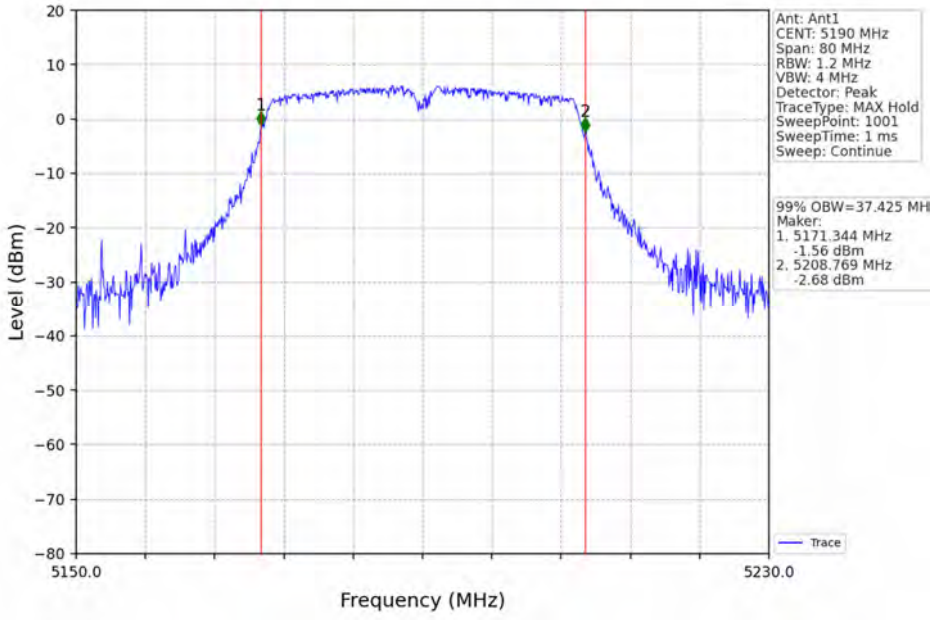


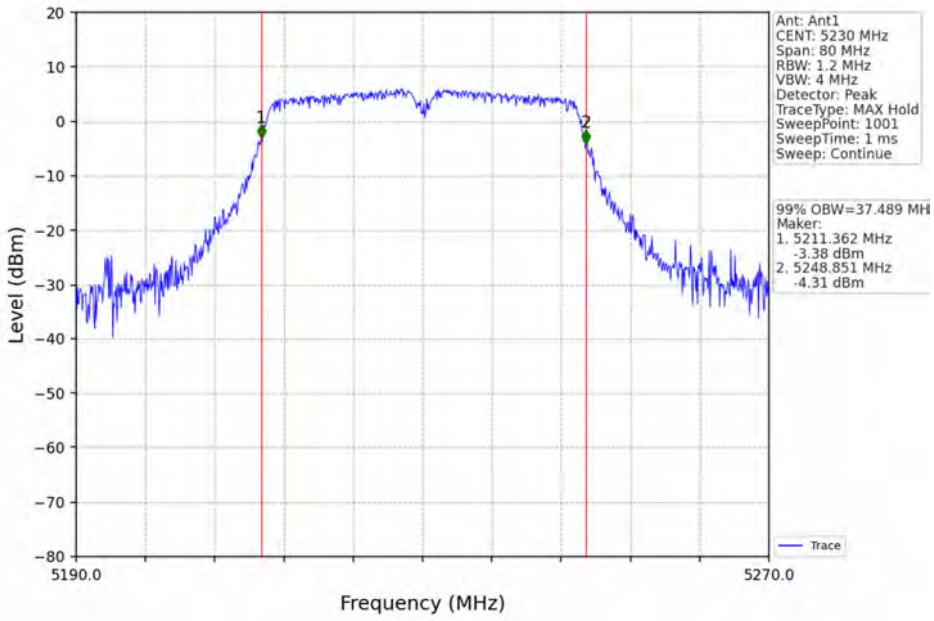

802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



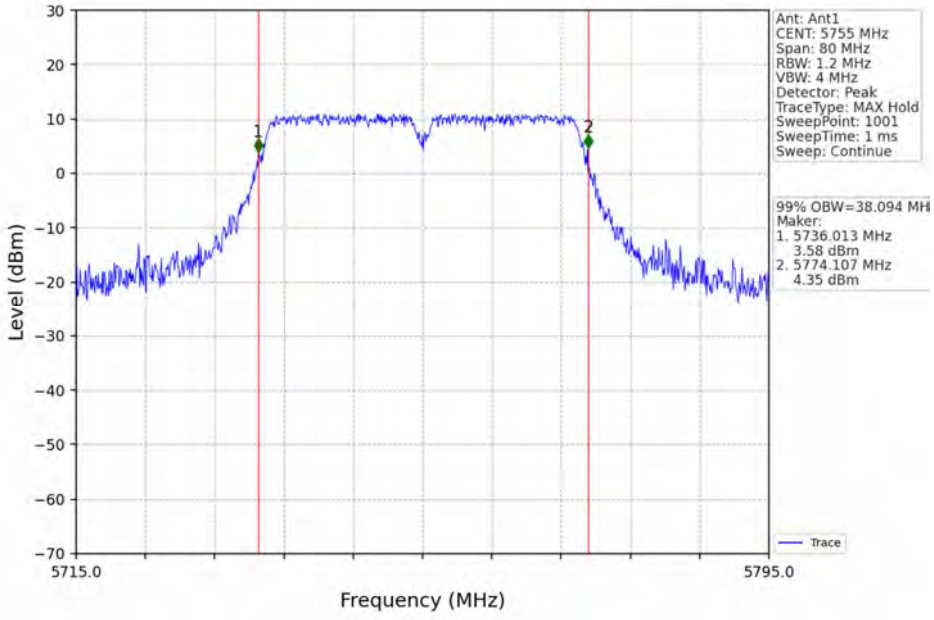
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV




802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

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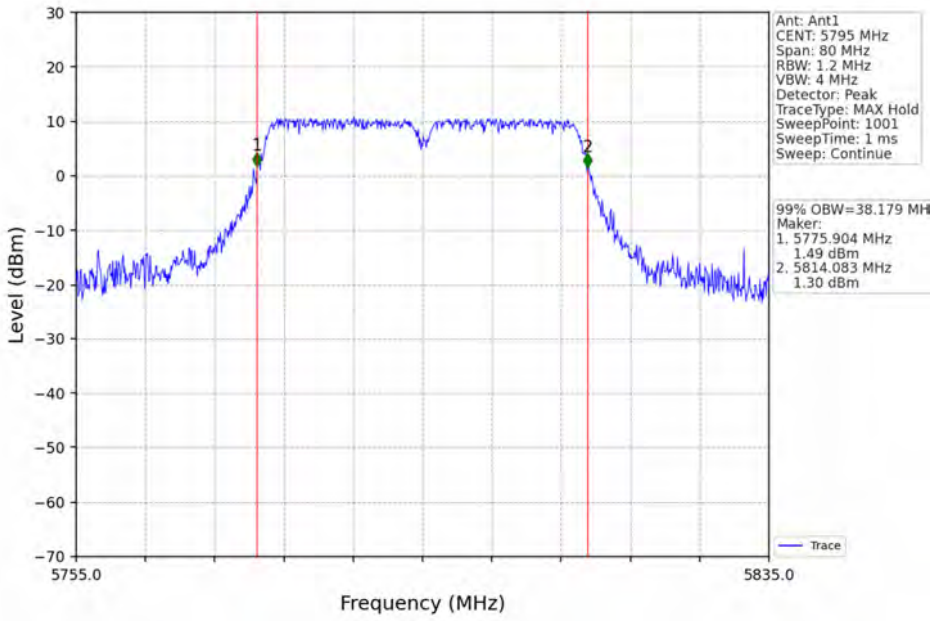
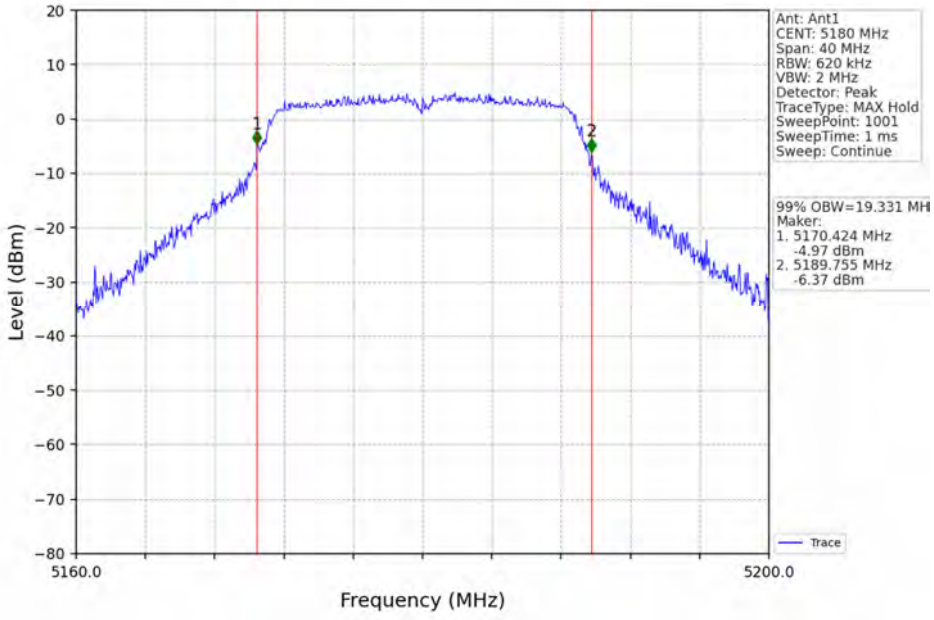
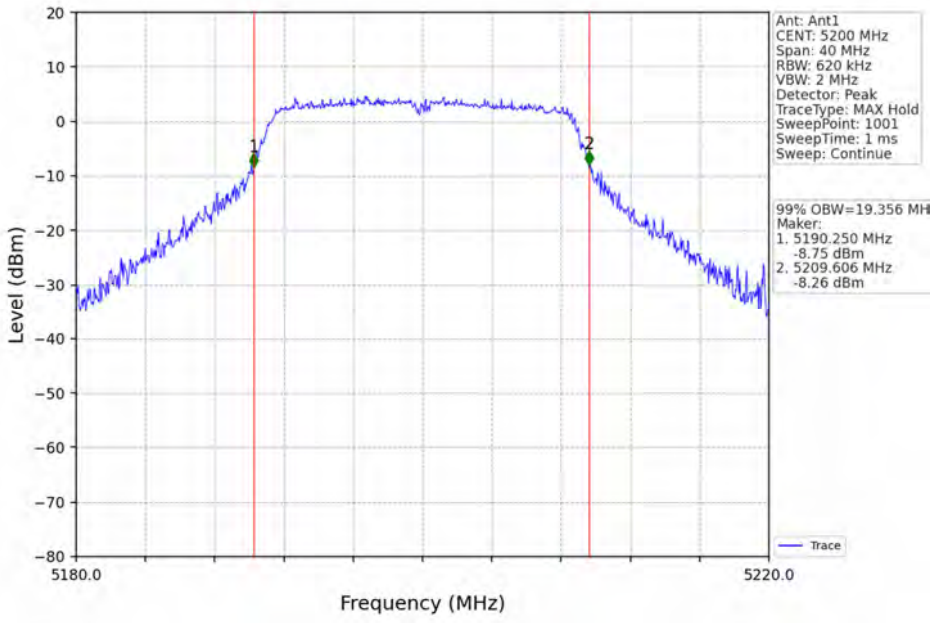


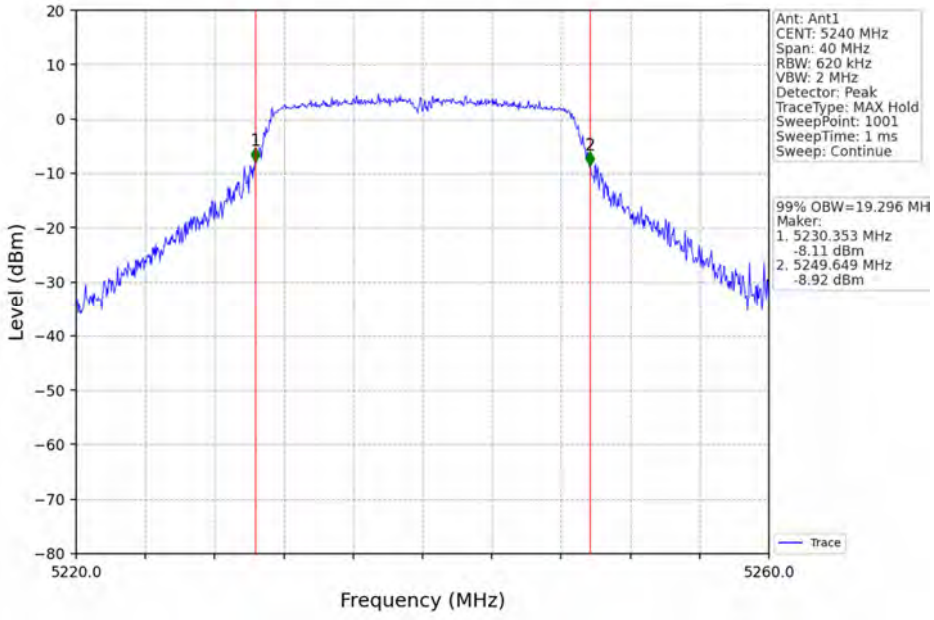
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



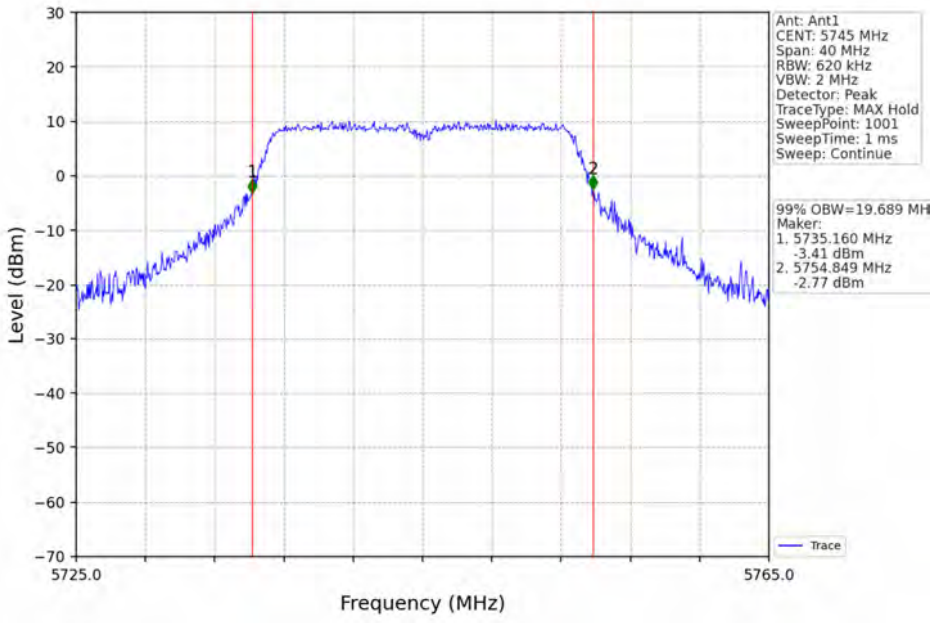

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



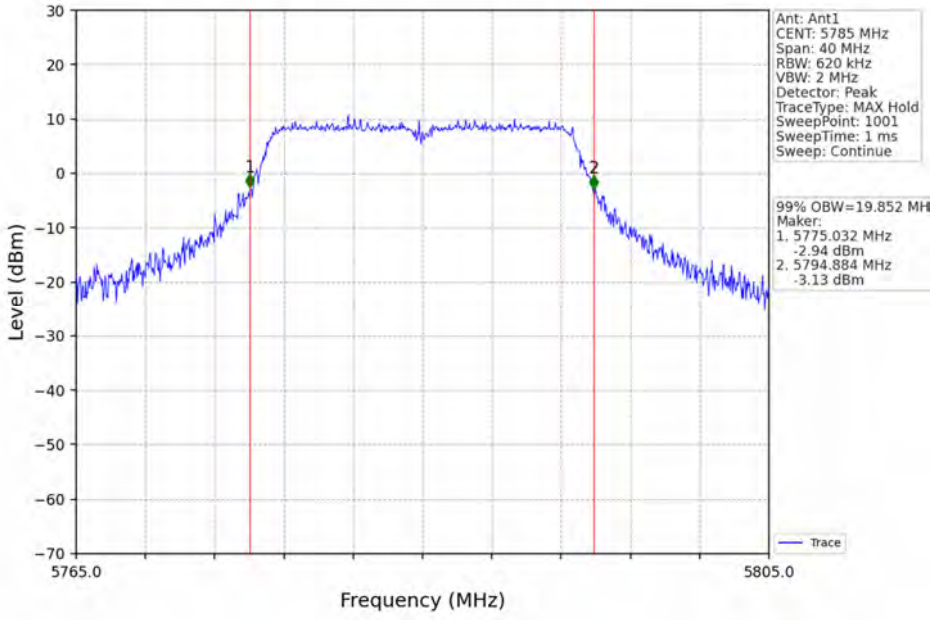
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



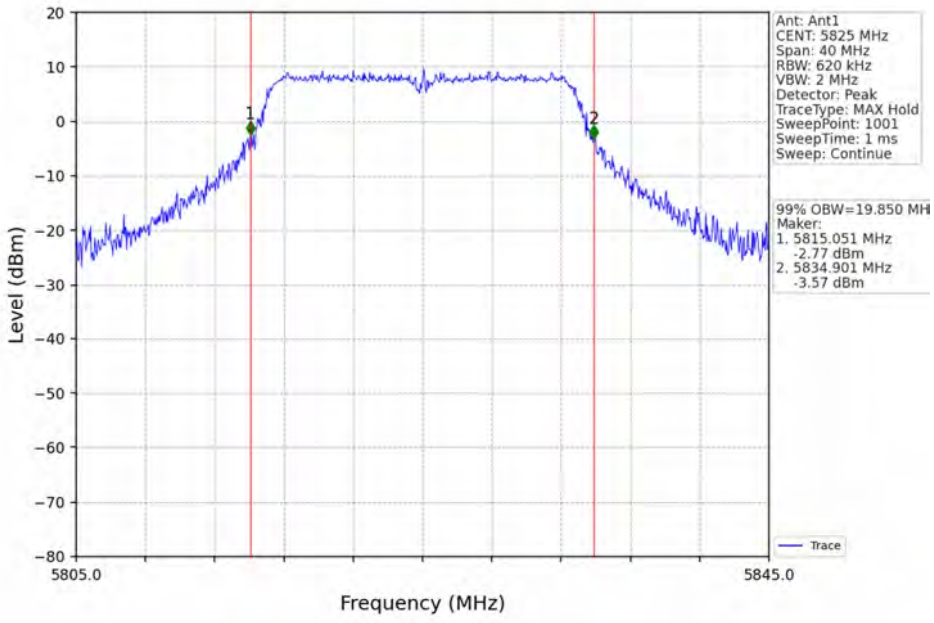

802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



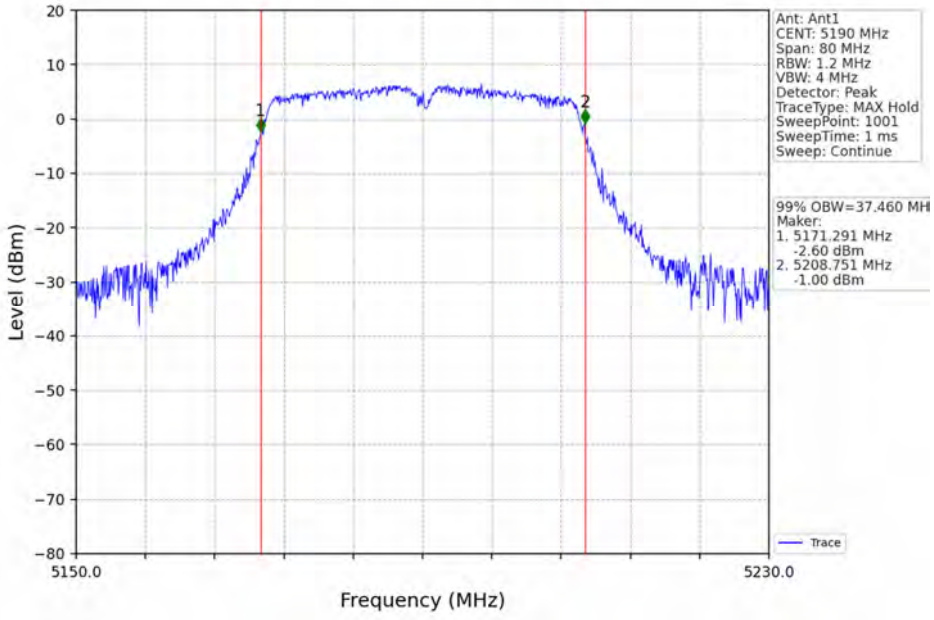
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



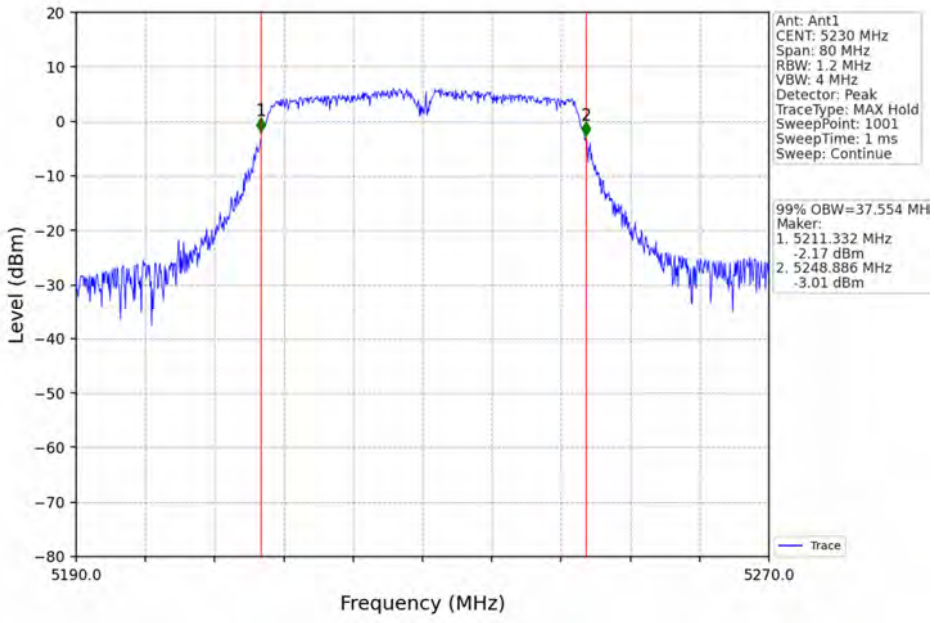

802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



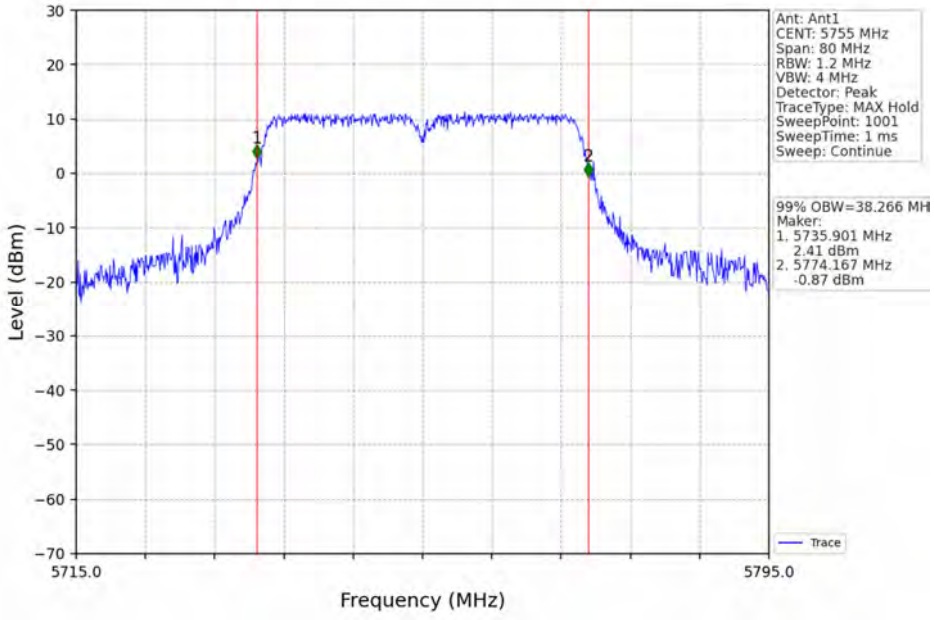
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



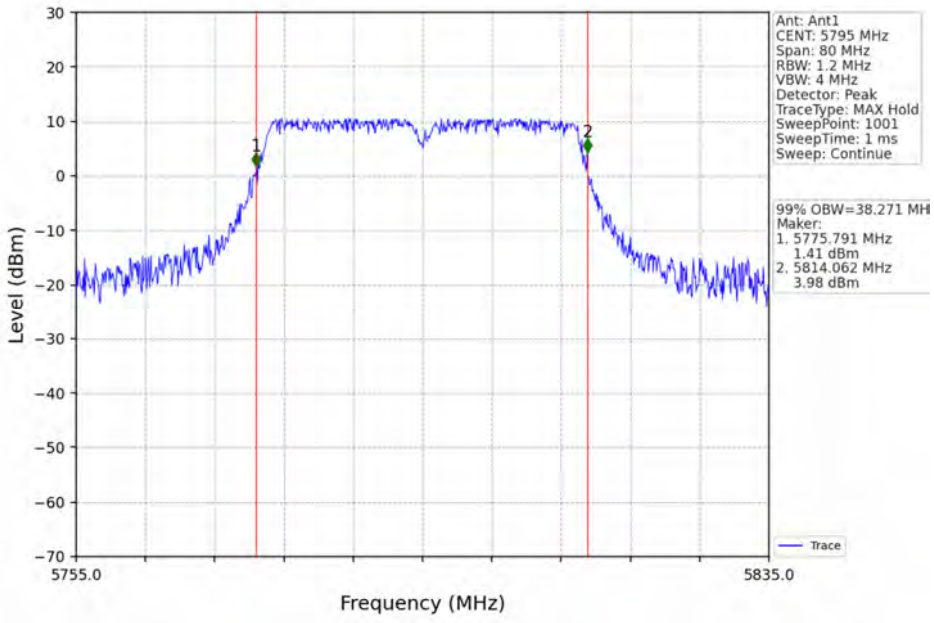

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

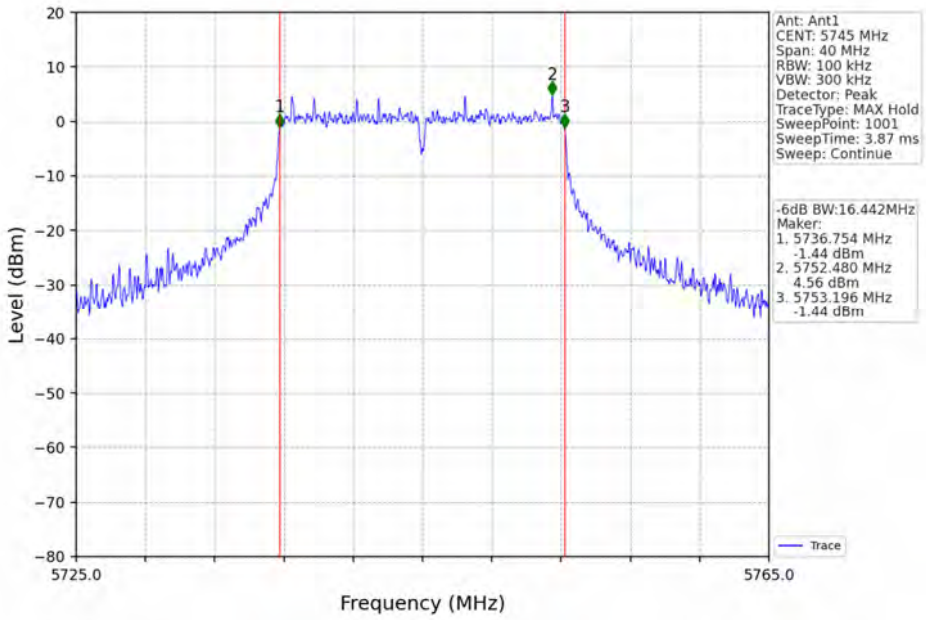



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

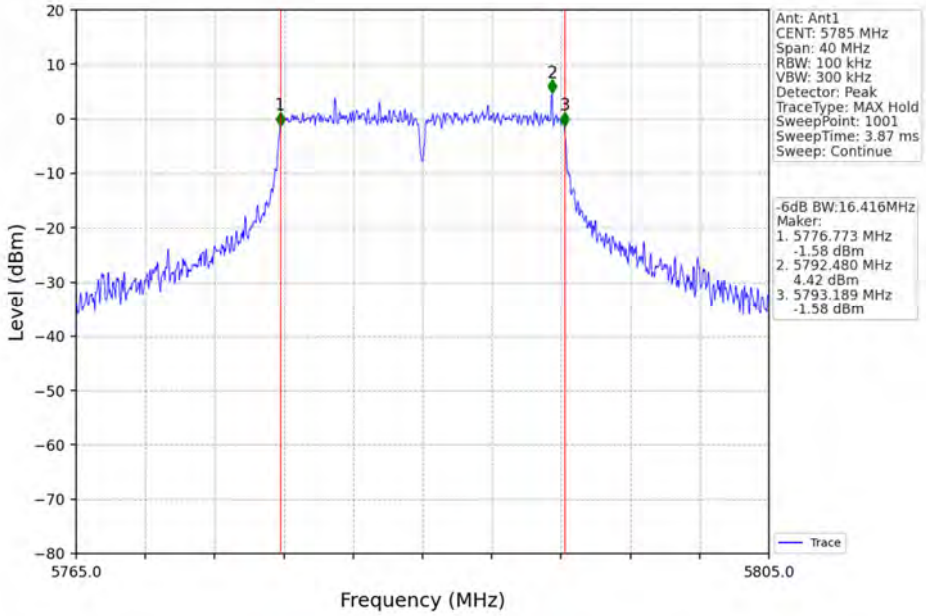


**2.2.2 6dB BW**

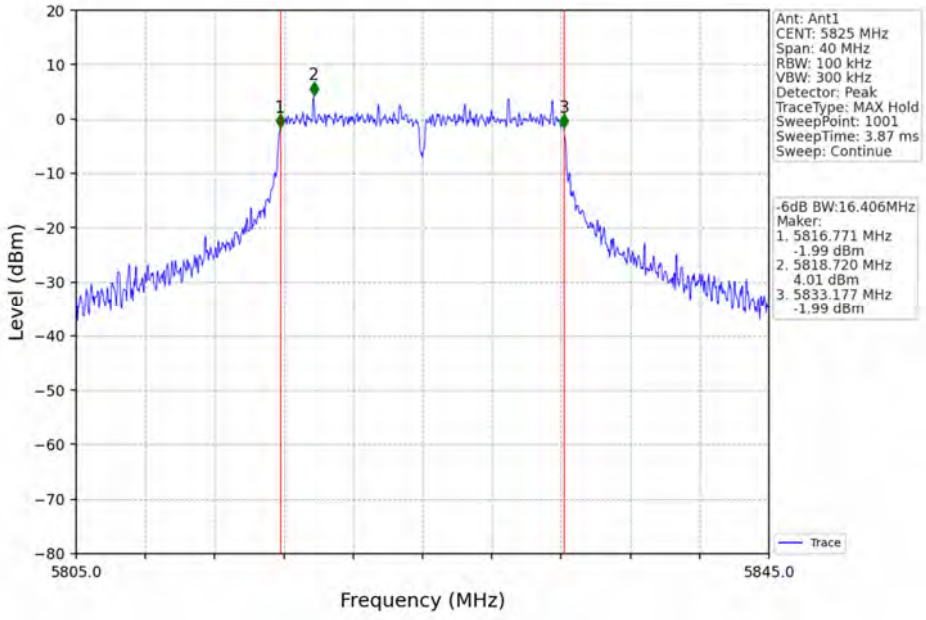
802.11a_LCH_5745MHz_Ant1_NTNV



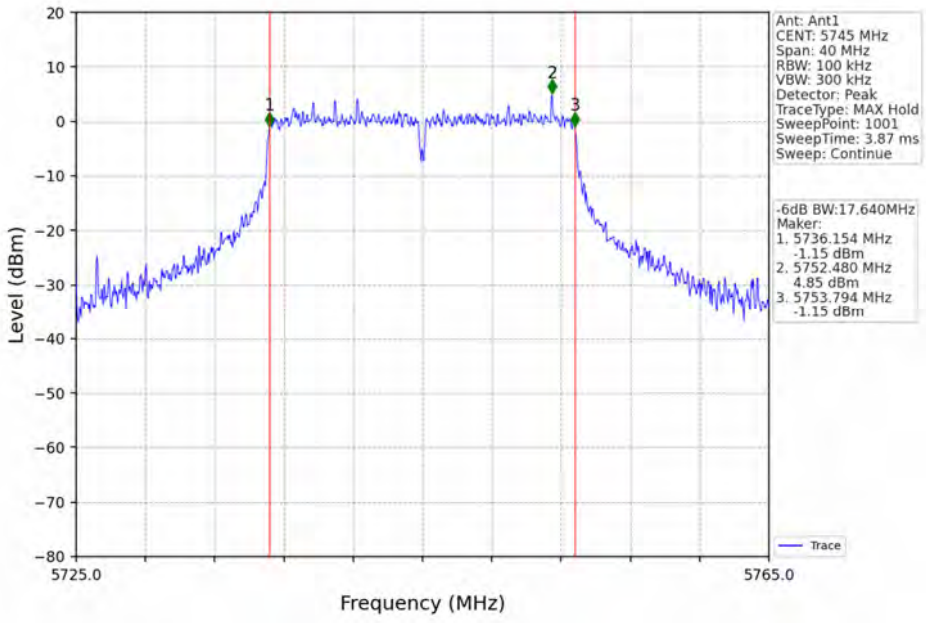

802.11a_MCH_5785MHz_Ant1_NTNV



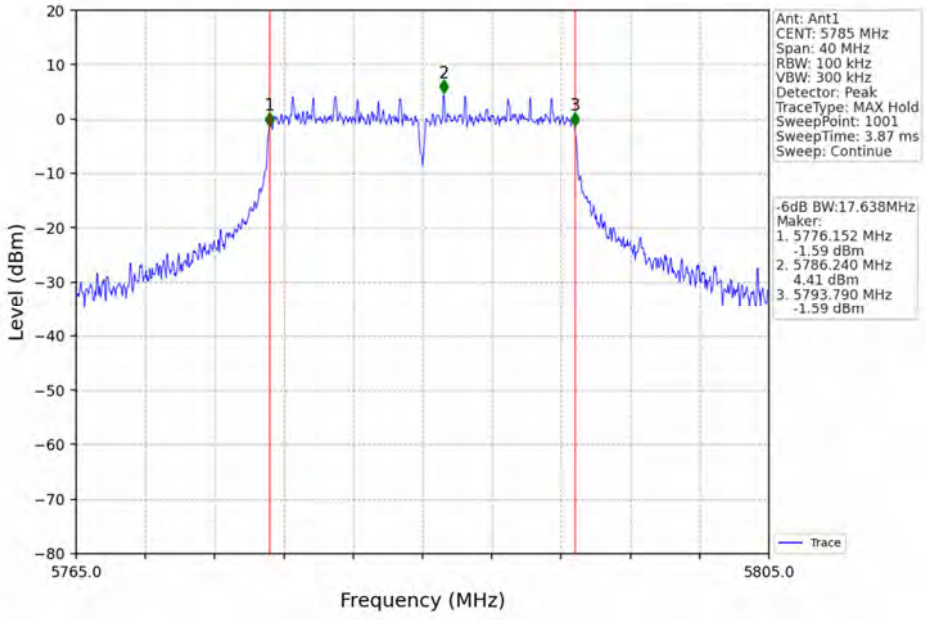
802.11a_HCH_5825MHz_Ant1_NTNV



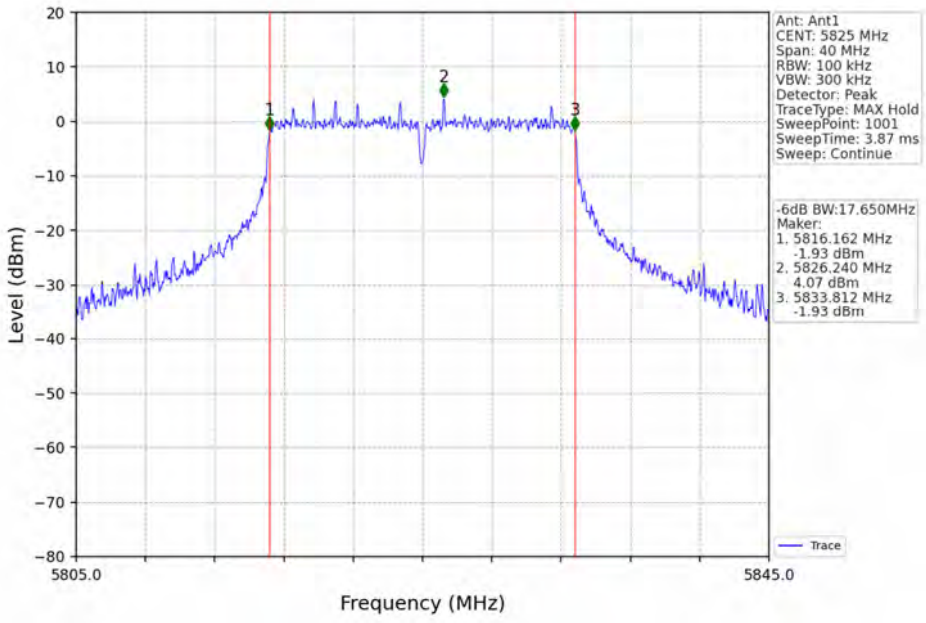

802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



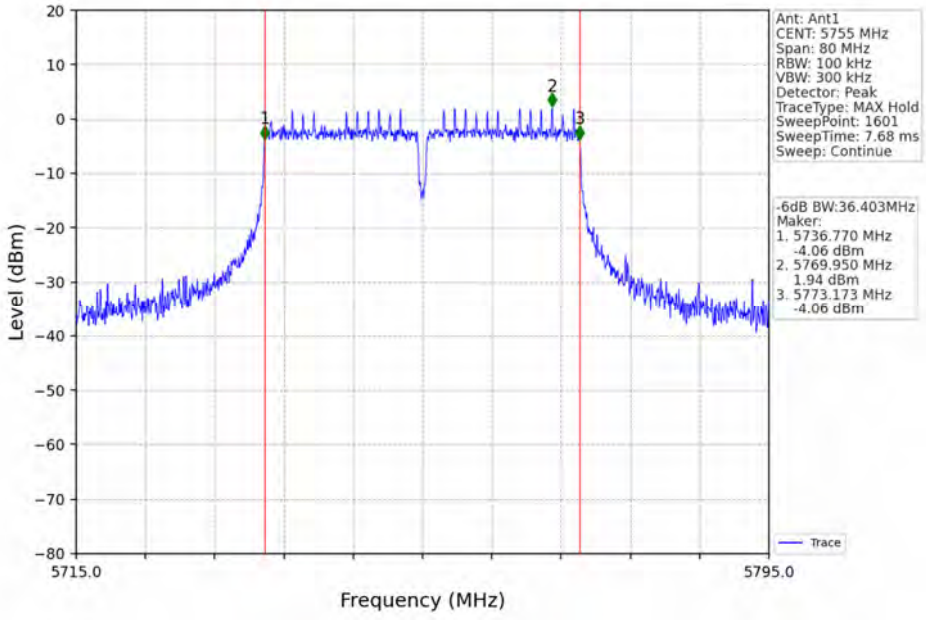
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



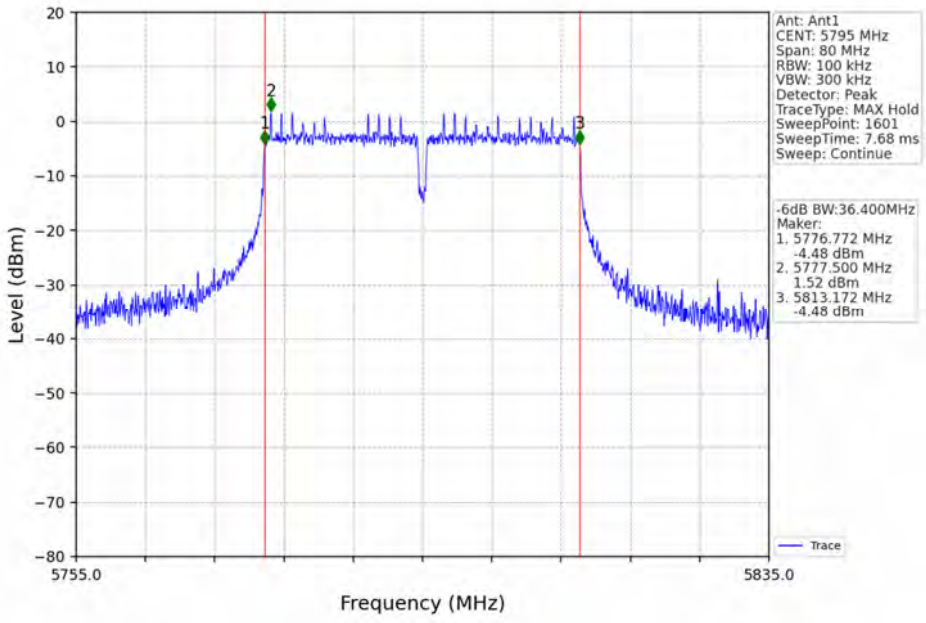

802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



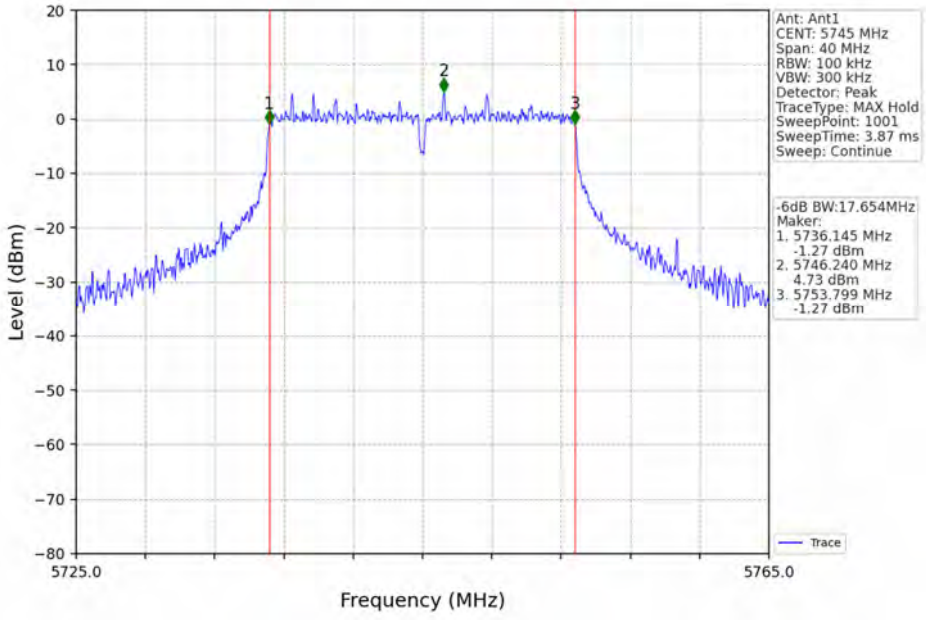
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



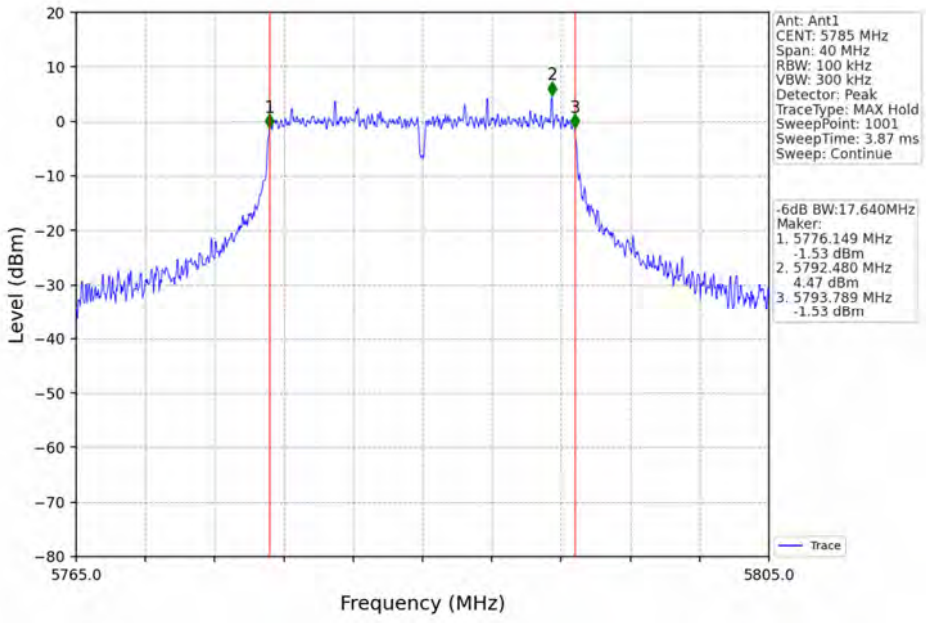

802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



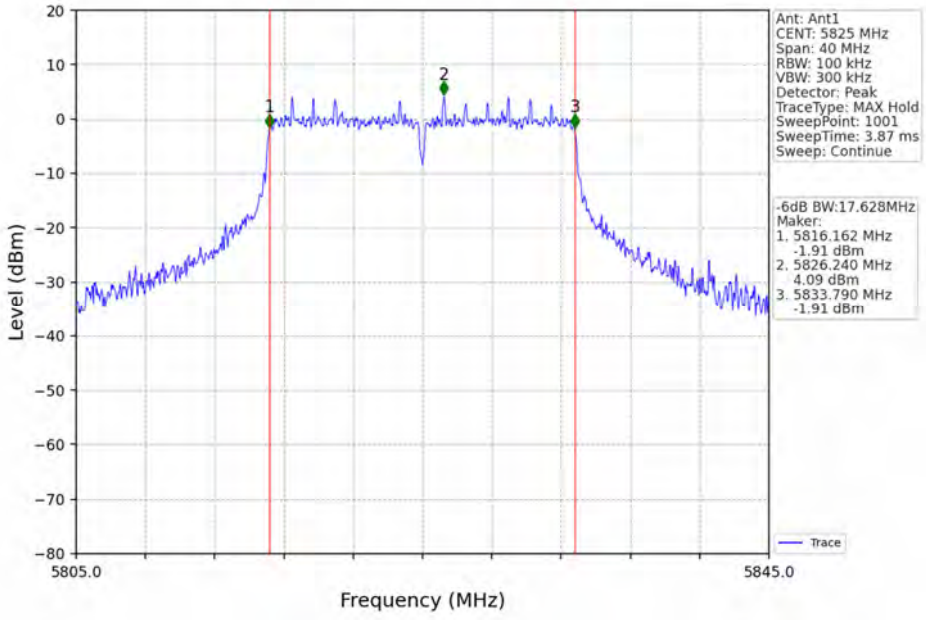
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



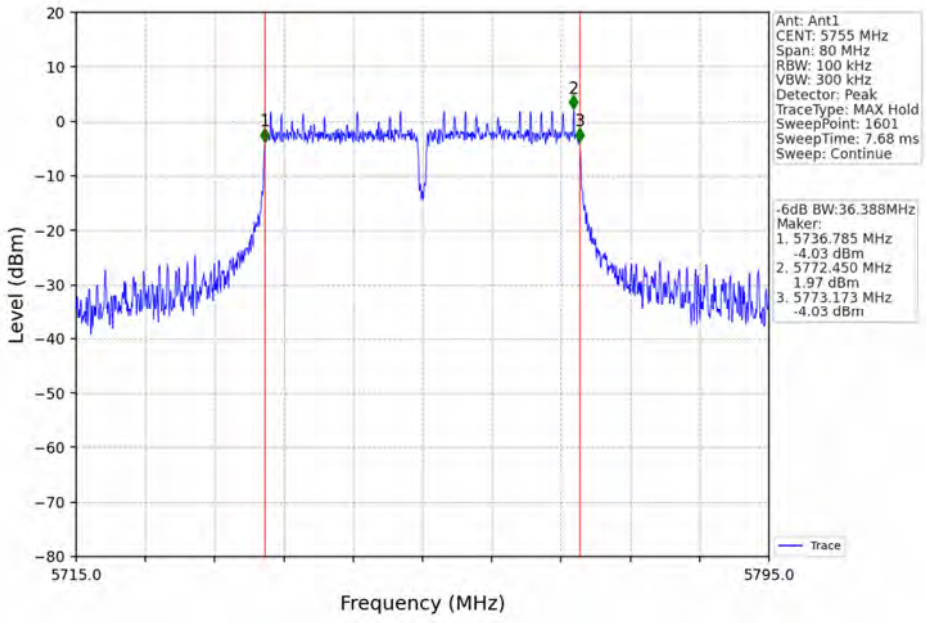

802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



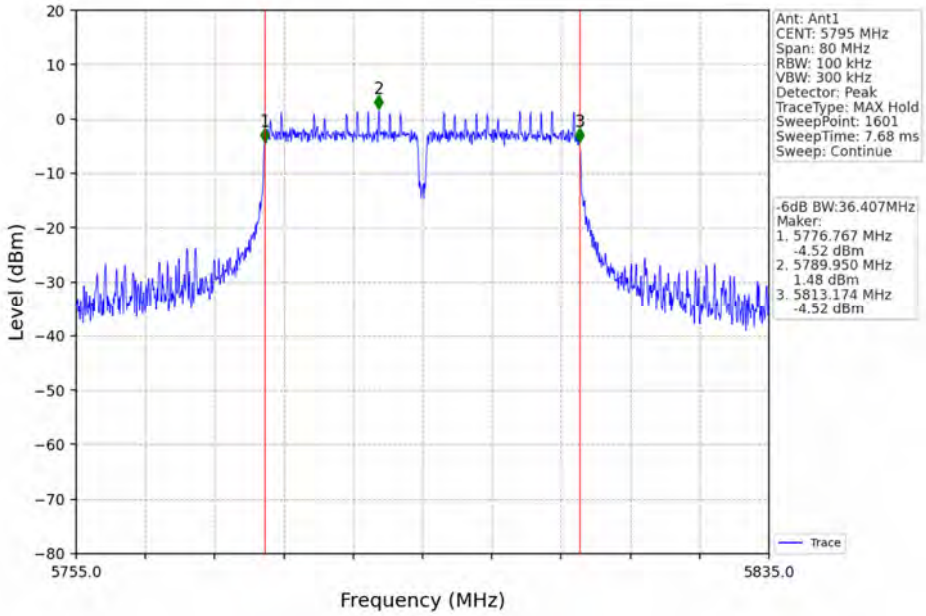
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV




802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

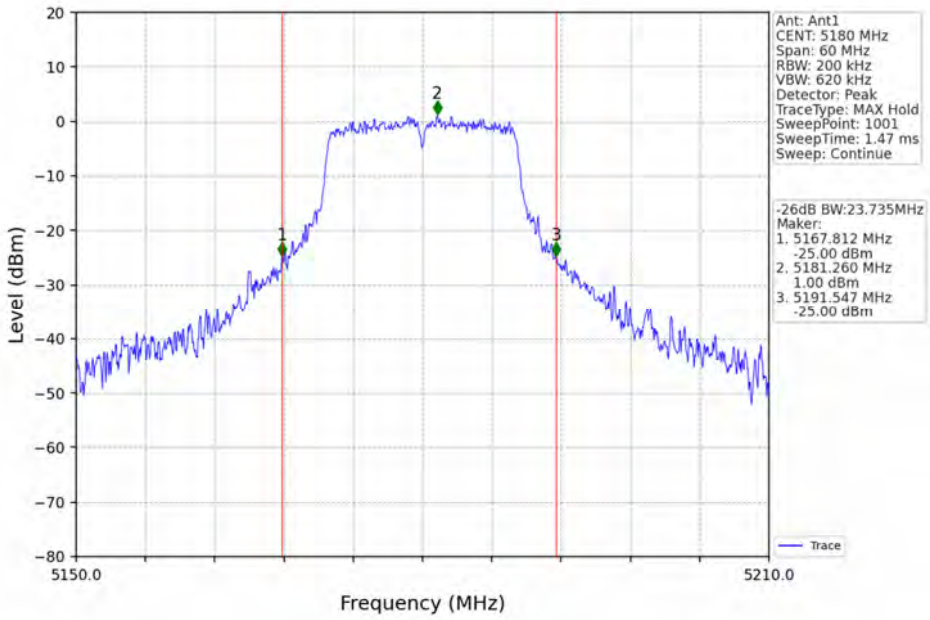


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

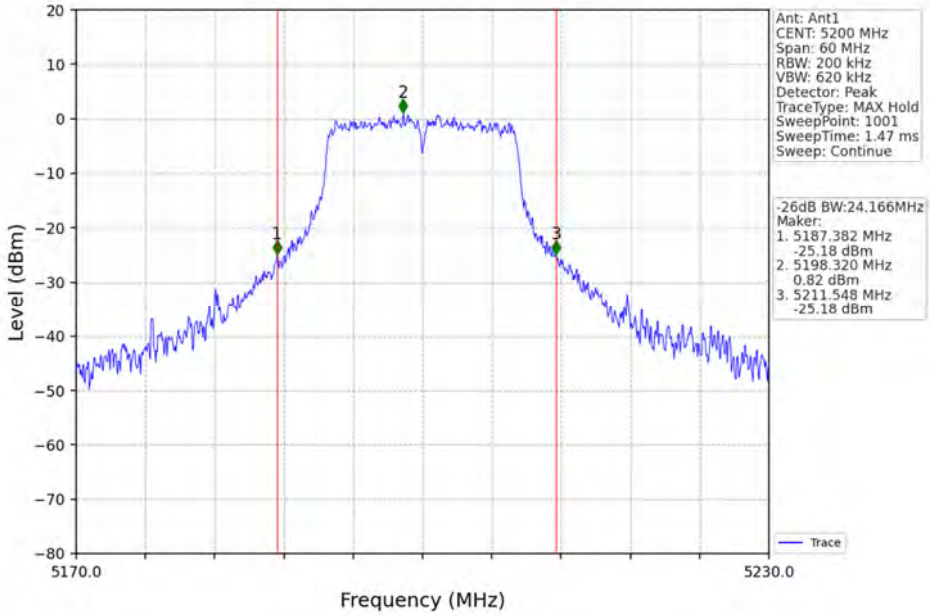


**2.2.3 26dB BW**

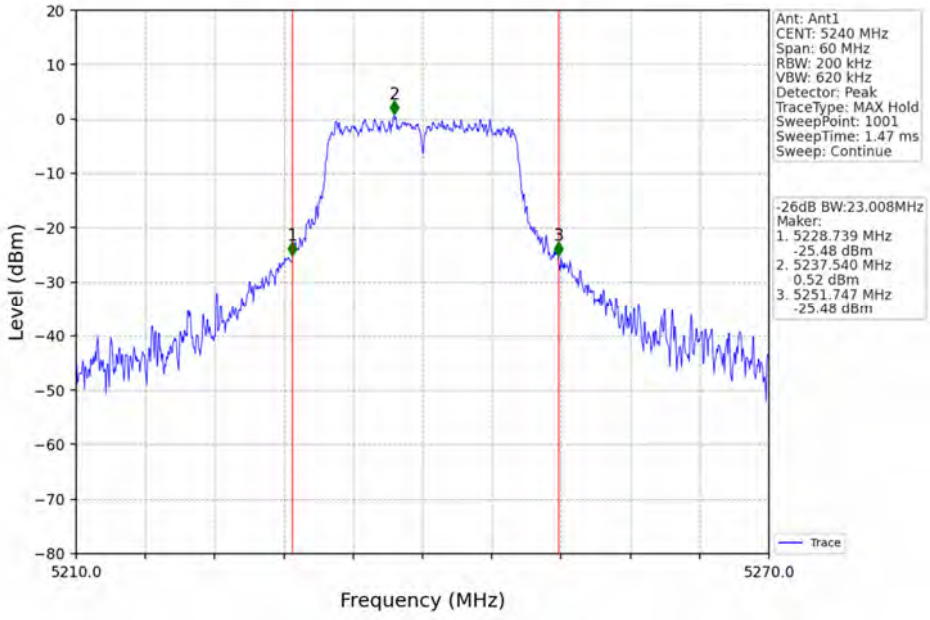
802.11a_LCH_5180MHz_Ant1_NTNV



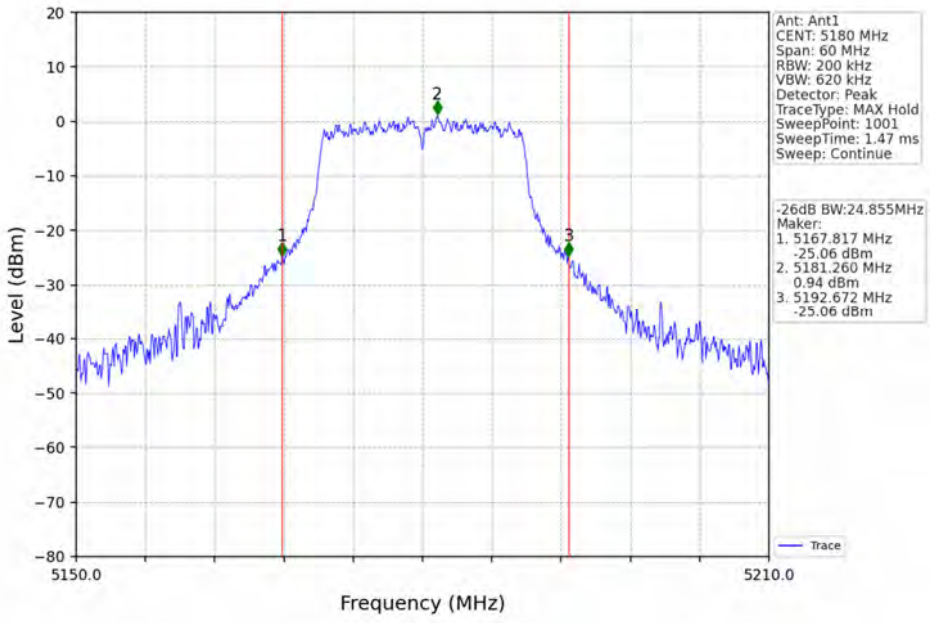

802.11a_MCH_5200MHz_Ant1_NTNV



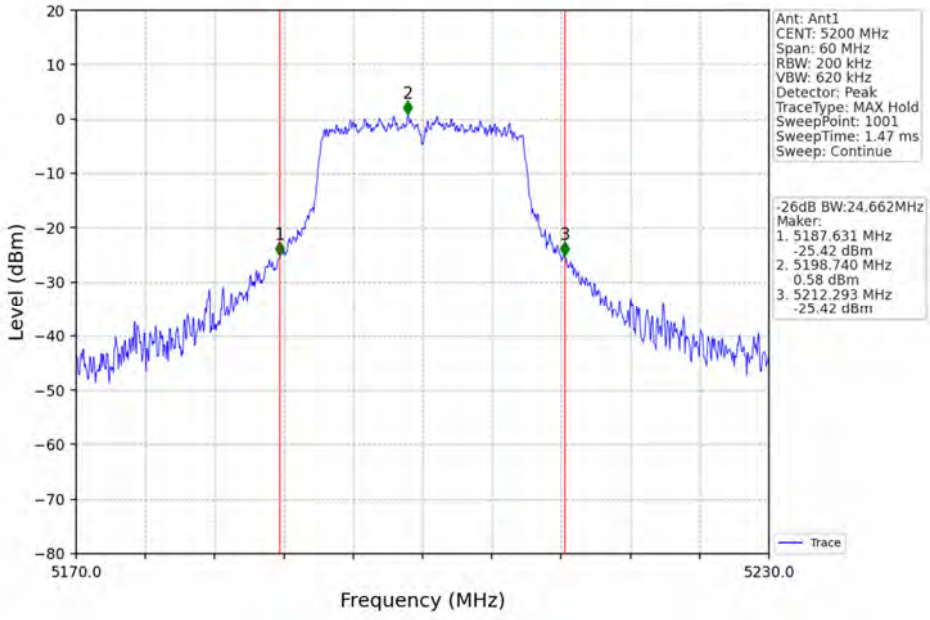
802.11a_HCH_5240MHz_Ant1_NTNV



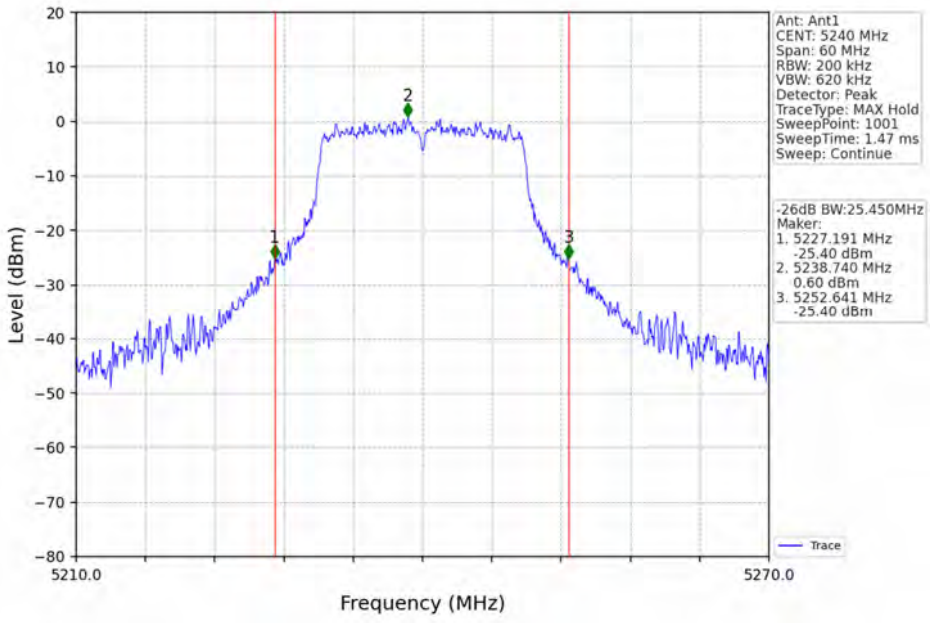

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



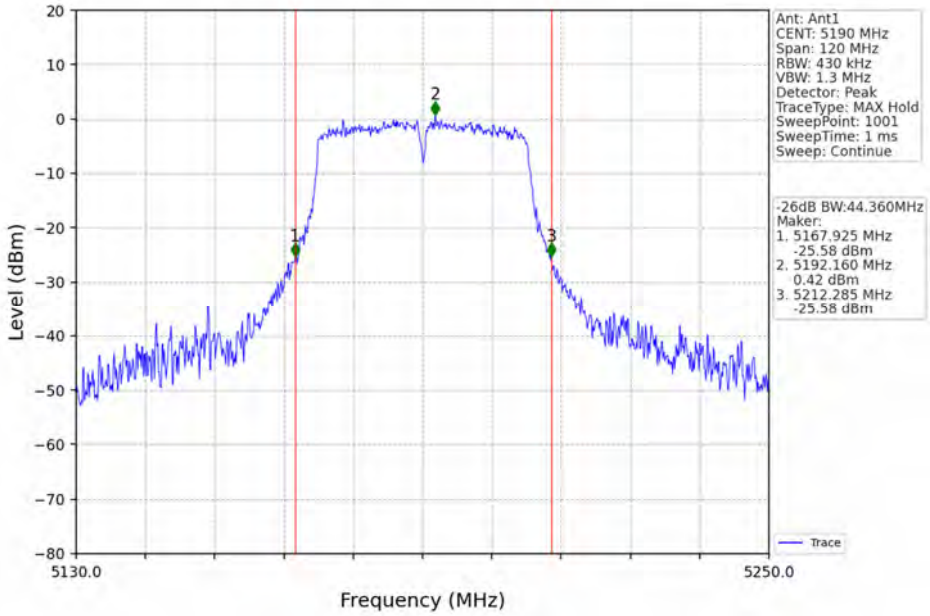
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



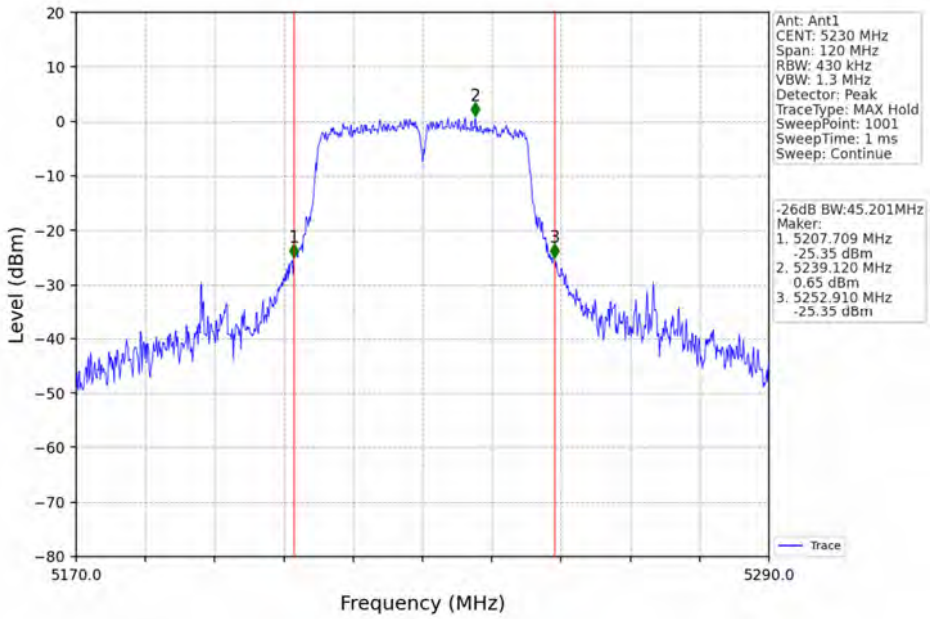

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



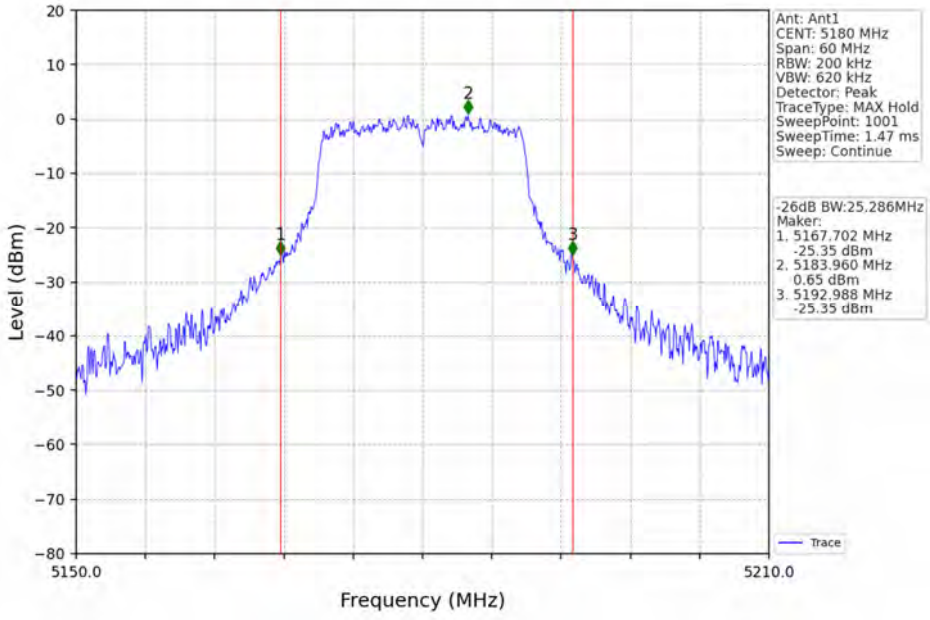
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



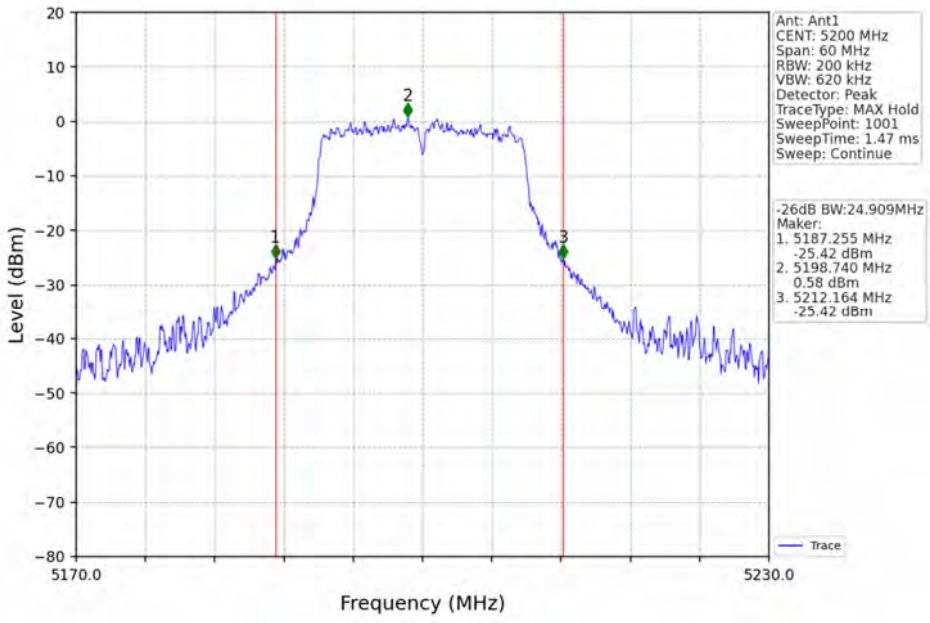

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



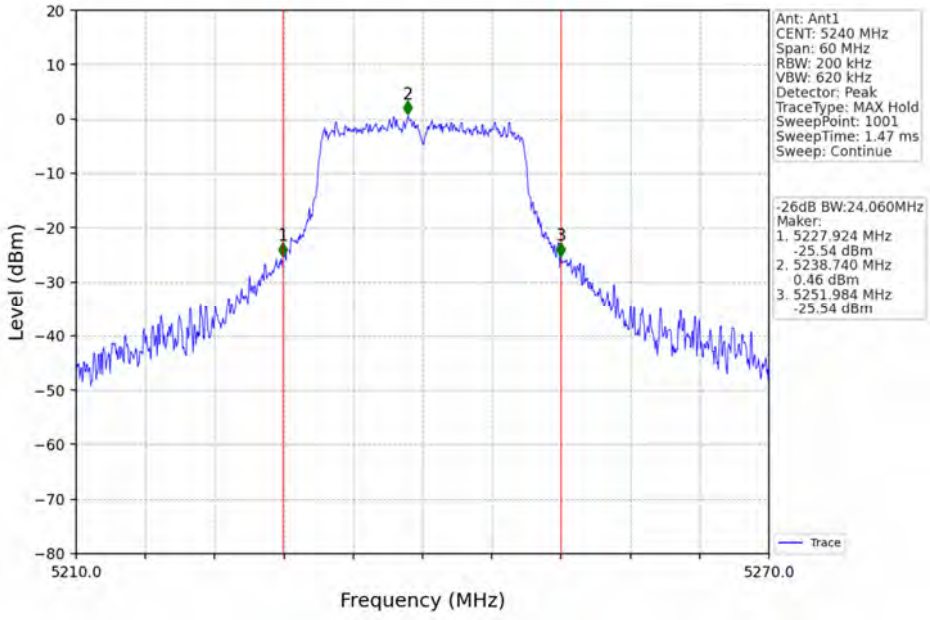
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



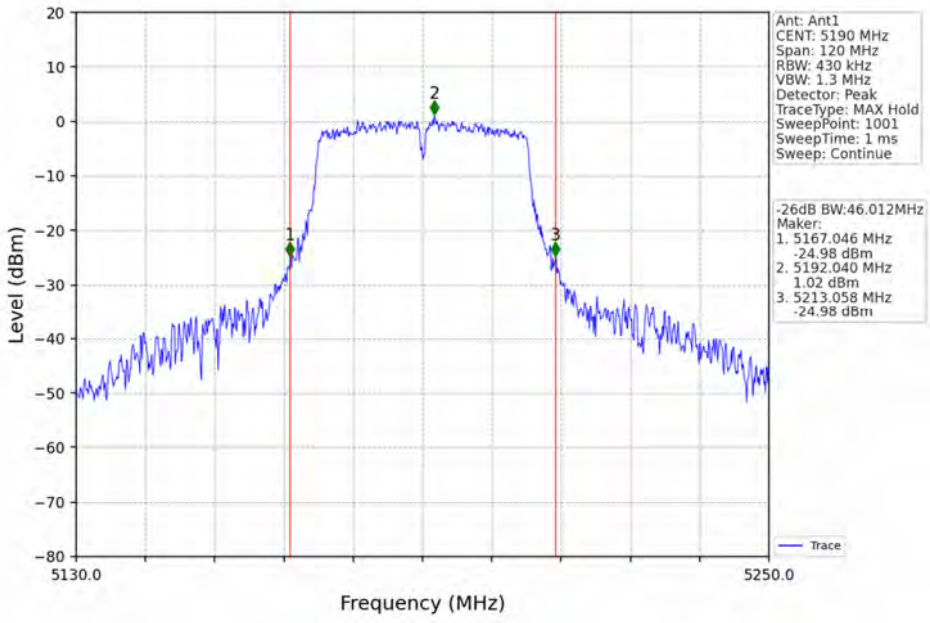

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



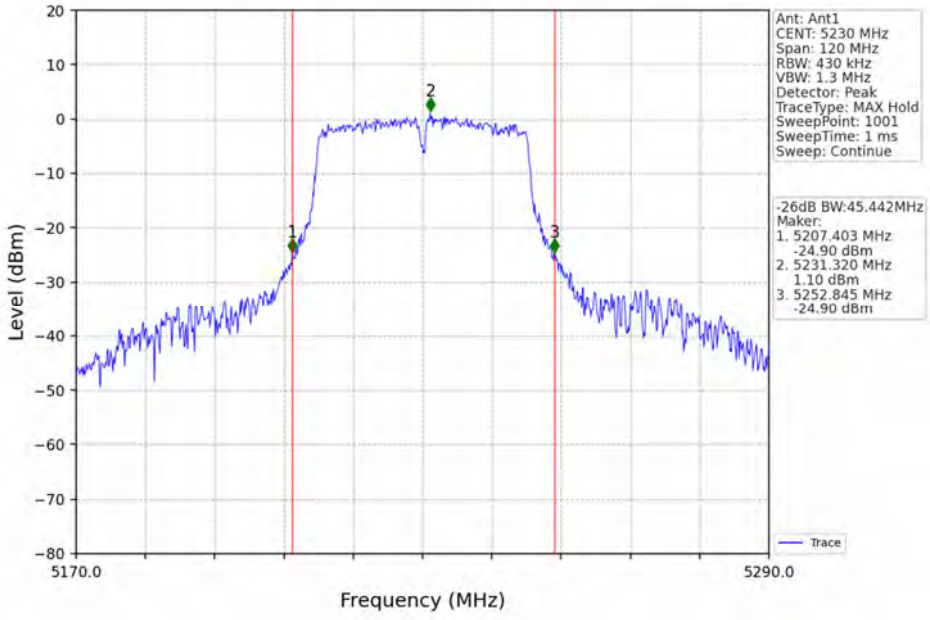
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV




802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



## 3. Maximum Conducted Output Power

### 3.1 Test Result

#### 3.1.1 Power

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum Average Conducted Output Power (dBm) | | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | Limit | |
| 802.11a | SISO | 5180 | / | / | 10.79 | 11.36 | <=23.98 | Pass |
| | | 5200 | / | / | 11.76 | 8.73 | <=23.98 | Pass |
| | | 5240 | / | / | 11.34 | 12.20 | <=23.98 | Pass |
| | | 5745 | / | / | 17.21 | 16.86 | <=30 | Pass |
| | | 5785 | / | / | 14.65 | 17.48 | <=30 | Pass |
| | | 5825 | / | / | 15.33 | 15.95 | <=30 | Pass |
| 802.11n (HT20) | SISO | 5180 | / | / | 11.27 | 10.81 | <=23.98 | Pass |
| | | 5200 | / | / | 10.79 | 10.63 | <=23.98 | Pass |
| | | 5240 | / | / | 10.81 | 11.59 | <=23.98 | Pass |
| | | 5745 | / | / | 16.58 | 16.99 | <=30 | Pass |
| | | 5785 | / | / | 16.29 | 16.32 | <=30 | Pass |
| | | 5825 | / | / | 15.74 | 16.03 | <=30 | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | 10.34 | 11.54 | <=23.98 | Pass |
| | | 5230 | / | / | 8.35 | 11.53 | <=23.98 | Pass |
| | | 5755 | / | / | 15.68 | 21.76 | <=30 | Pass |
| | | 5795 | / | / | 16.01 | 16.39 | <=30 | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | 11.72 | 9.43 | <=23.98 | Pass |
| | | 5200 | / | / | 11.62 | 10.79 | <=23.98 | Pass |
| | | 5240 | / | / | 10.04 | 11.62 | <=23.98 | Pass |
| | | 5745 | / | / | 14.59 | 17.15 | <=30 | Pass |
| | | 5785 | / | / | 16.23 | 16.64 | <=30 | Pass |
| | | 5825 | / | / | 16.33 | 15.25 | <=30 | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | 10.79 | 11.79 | <=23.98 | Pass |
| | | 5230 | / | / | 11.24 | 11.92 | <=23.98 | Pass |
| | | 5755 | / | / | 17.18 | 16.58 | <=30 | Pass |
| | | 5795 | / | / | 15.36 | 16.40 | <=30 | Pass |

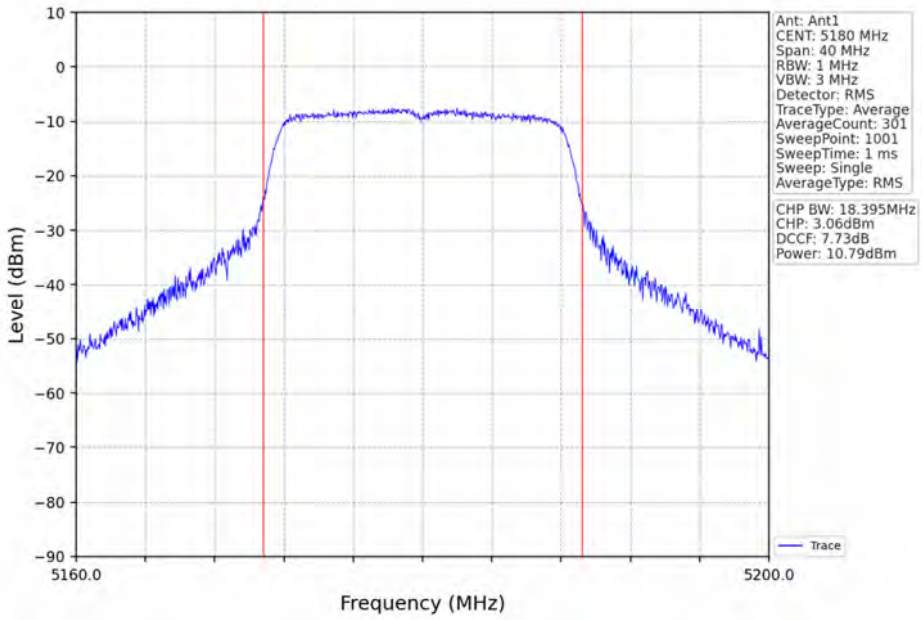
| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum Average Conducted Output Power (dBm) | | | | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | MIMO | Limit | |
| 802.11n (HT20) | SISO | 5180 | / | / | 11.27 | 10.81 | 14.06 | <=23.98 | Pass |
| | | 5200 | / | / | 10.79 | 10.63 | 13.72 | <=23.98 | Pass |
| | | 5240 | / | / | 10.81 | 11.59 | 14.23 | <=23.98 | Pass |
| | | 5745 | / | / | 16.58 | 16.99 | 19.80 | <=30 | Pass |
| | | 5785 | / | / | 16.29 | 16.32 | 19.32 | <=30 | Pass |
| | | 5825 | / | / | 15.74 | 16.03 | 18.90 | <=30 | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | 10.34 | 11.54 | 13.99 | <=23.98 | Pass |
| | | 5230 | / | / | 8.35 | 11.53 | 13.24 | <=23.98 | Pass |
| | | 5755 | / | / | 15.68 | 21.76 | 22.72 | <=30 | Pass |
| | | 5795 | / | / | 16.01 | 16.39 | 19.21 | <=30 | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | 11.72 | 9.43 | 13.73 | <=23.98 | Pass |
| | | 5200 | / | / | 11.62 | 10.79 | 14.24 | <=23.98 | Pass |
| | | 5240 | / | / | 10.04 | 11.62 | 13.91 | <=23.98 | Pass |
| | | 5745 | / | / | 14.59 | 17.15 | 19.07 | <=30 | Pass |
| | | 5785 | / | / | 16.23 | 16.64 | 19.45 | <=30 | Pass |
| | | 5825 | / | / | 16.33 | 15.25 | 18.83 | <=30 | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | 10.79 | 11.79 | 14.33 | <=23.98 | Pass |
| | | 5230 | / | / | 11.24 | 11.92 | 14.60 | <=23.98 | Pass |
| | | 5755 | / | / | 17.18 | 16.58 | 19.90 | <=30 | Pass |
| | | 5795 | / | / | 15.36 | 16.40 | 18.92 | <=30 | Pass |

Note1: Antenna Gain: U-NII-1 Ant1: 2.77dBi; Ant2: 2.77dBi;
Note2: Antenna Gain: U-NII-3 Ant1: 3.97dBi; Ant2: 3.97dBi;
Note3: Directional Gain: Uncorrelated(Directional Gain = Ant Gain=U-NII-1: 2.77dBi; U-NII-3: 3.97dBi)

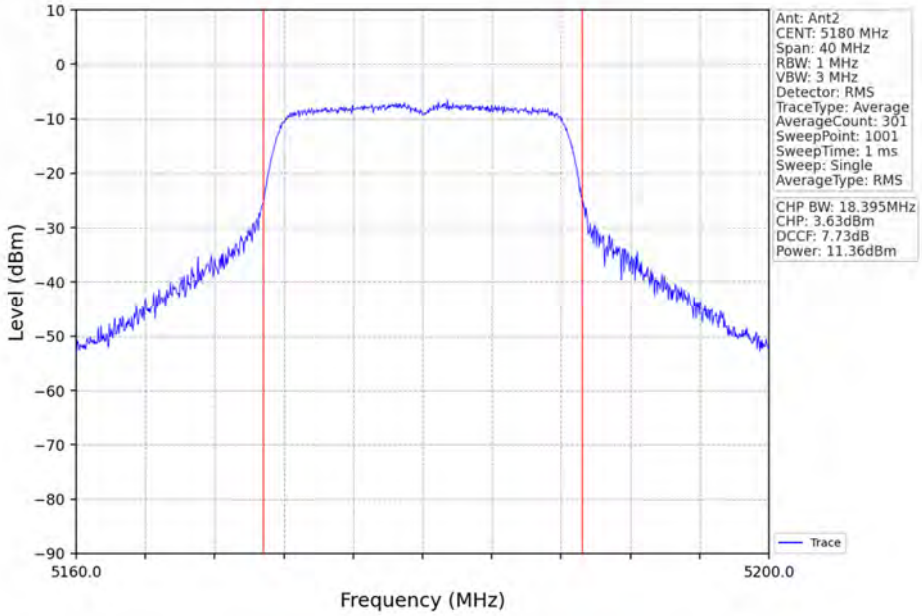
### 3.2 Test Graph

#### 3.2.1 Power

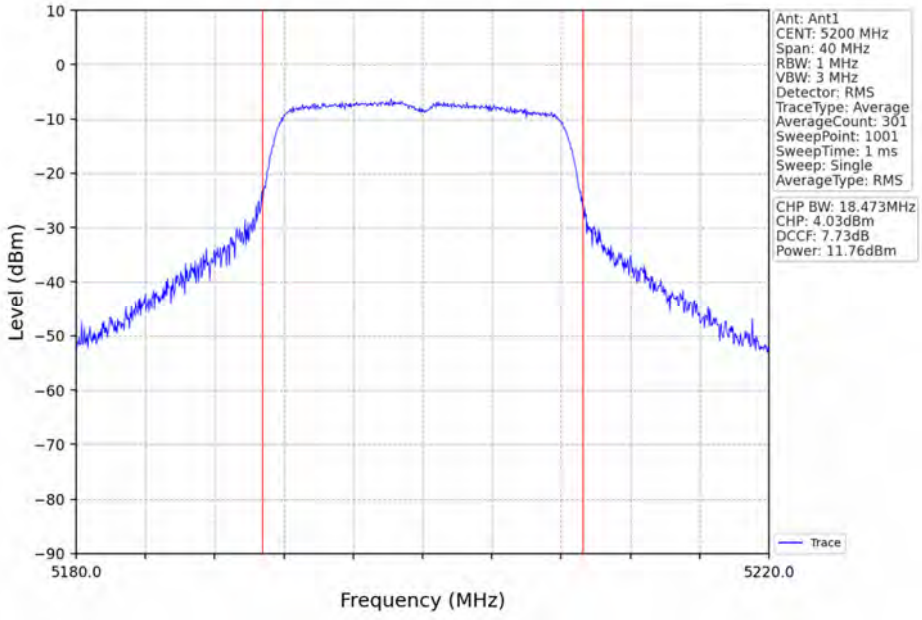
802.11a_LCH_5180MHz_Ant1_NTNV



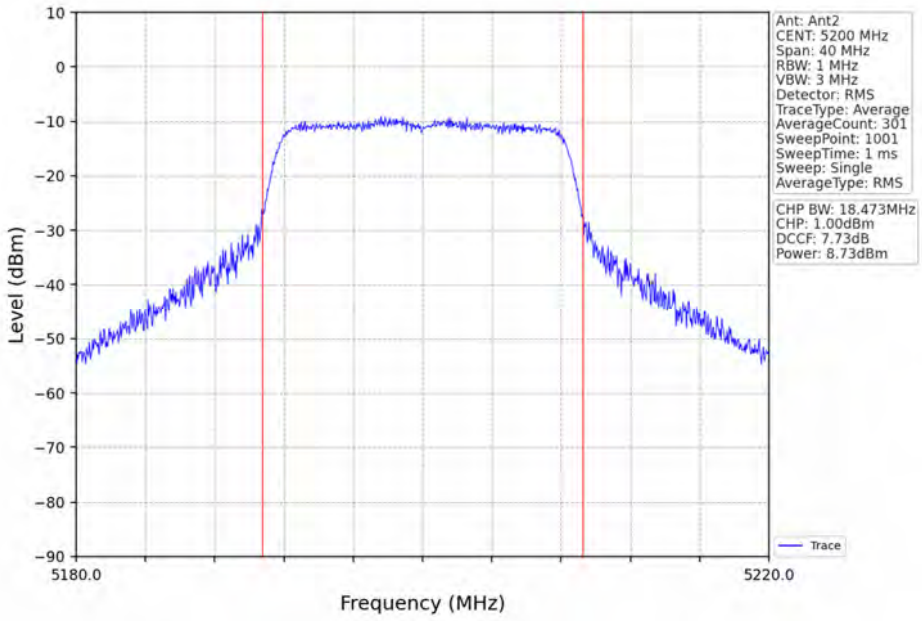

802.11a_LCH_5180MHz_Ant2_NTNV



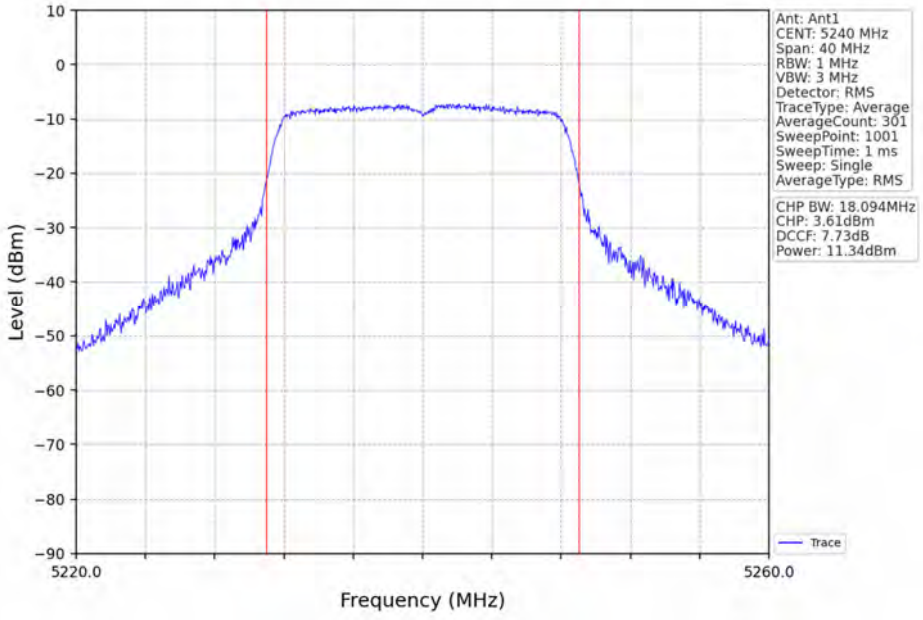
802.11a_MCH_5200MHz_Ant1_NTNV



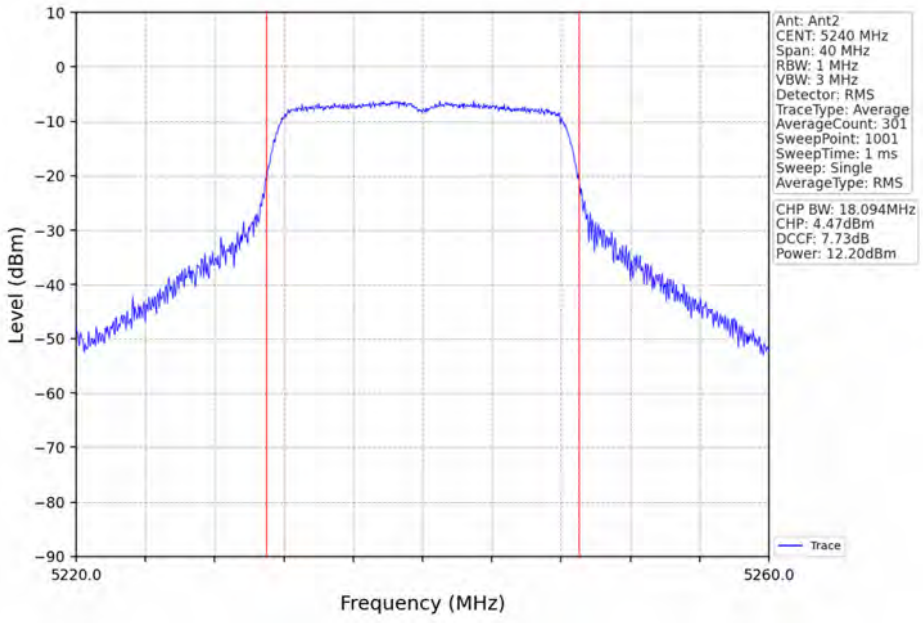

802.11a_MCH_5200MHz_Ant2_NTNV



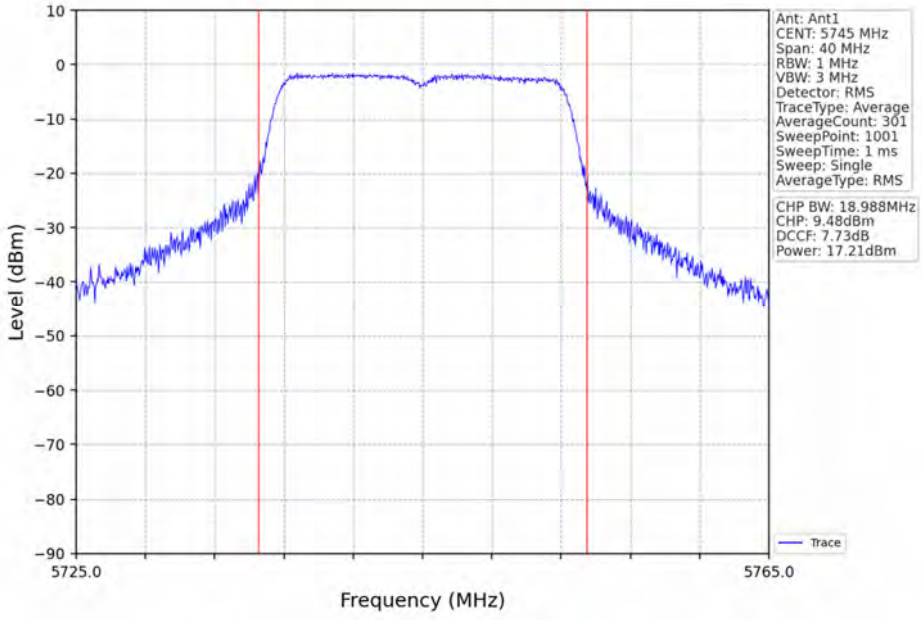
802.11a_HCH_5240MHz_Ant1_NTNV



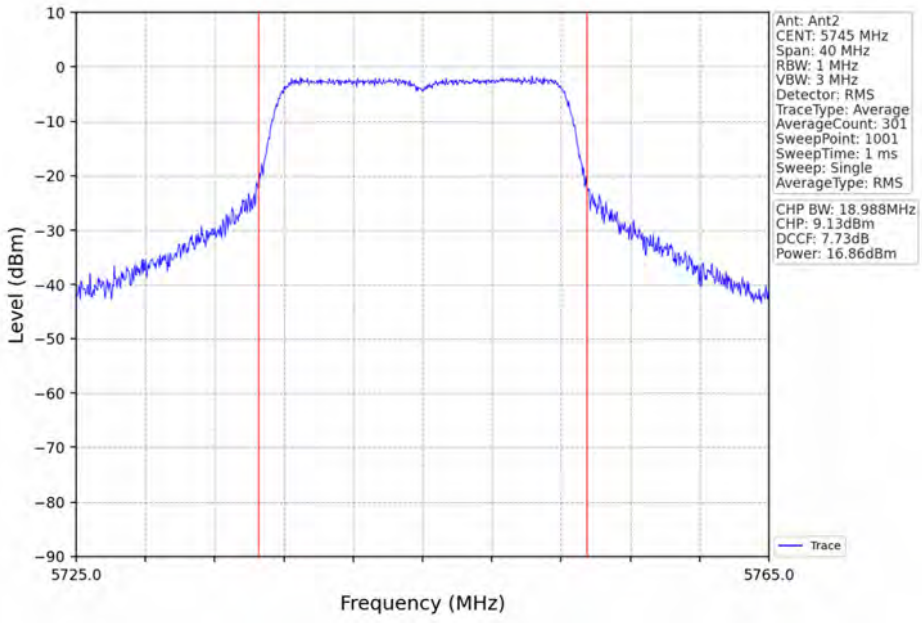

802.11a_HCH_5240MHz_Ant2_NTNV



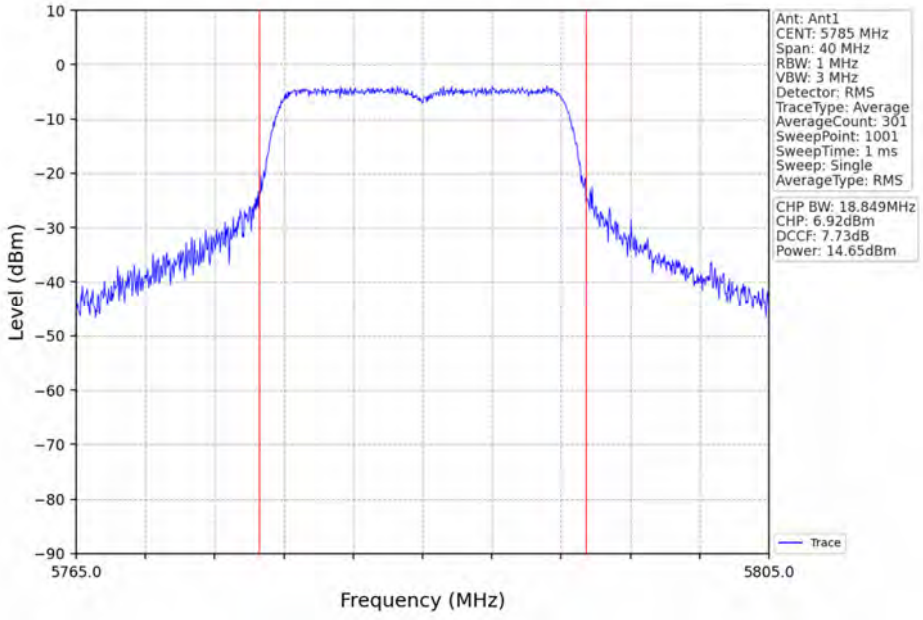
802.11a_LCH_5745MHz_Ant1_NTNV



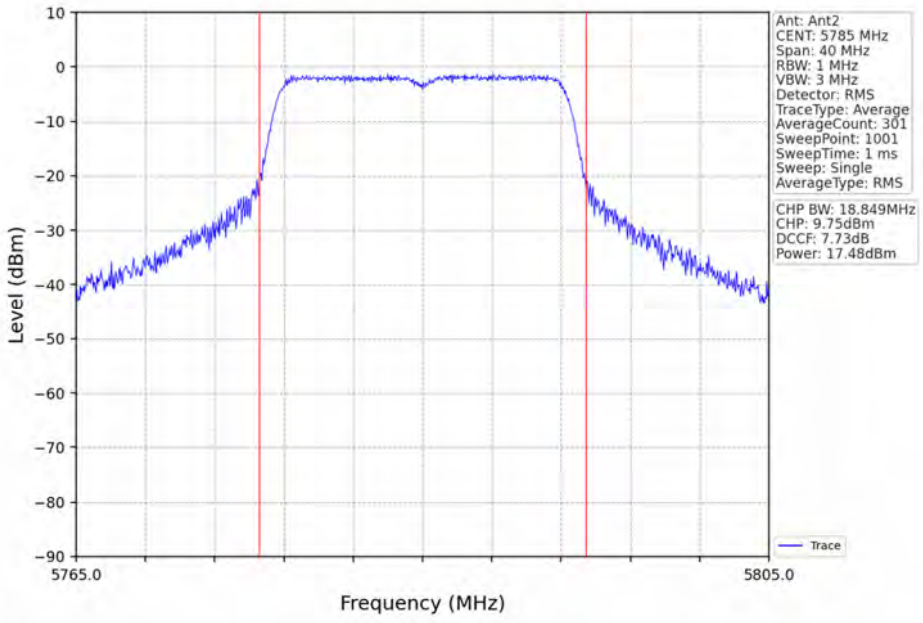

802.11a_LCH_5745MHz_Ant2_NTNV



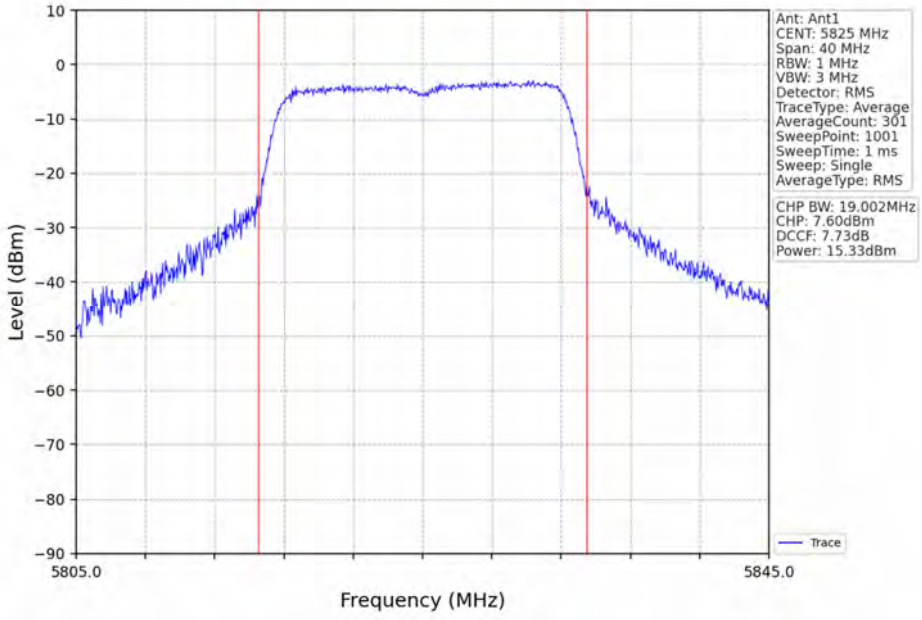
802.11a_MCH_5785MHz_Ant1_NTNV



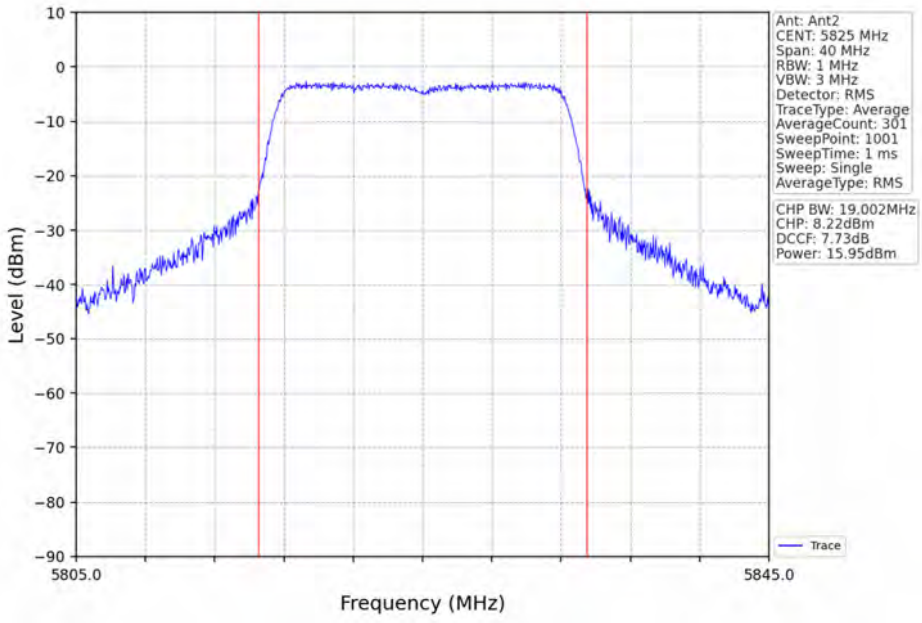

802.11a_MCH_5785MHz_Ant2_NTNV



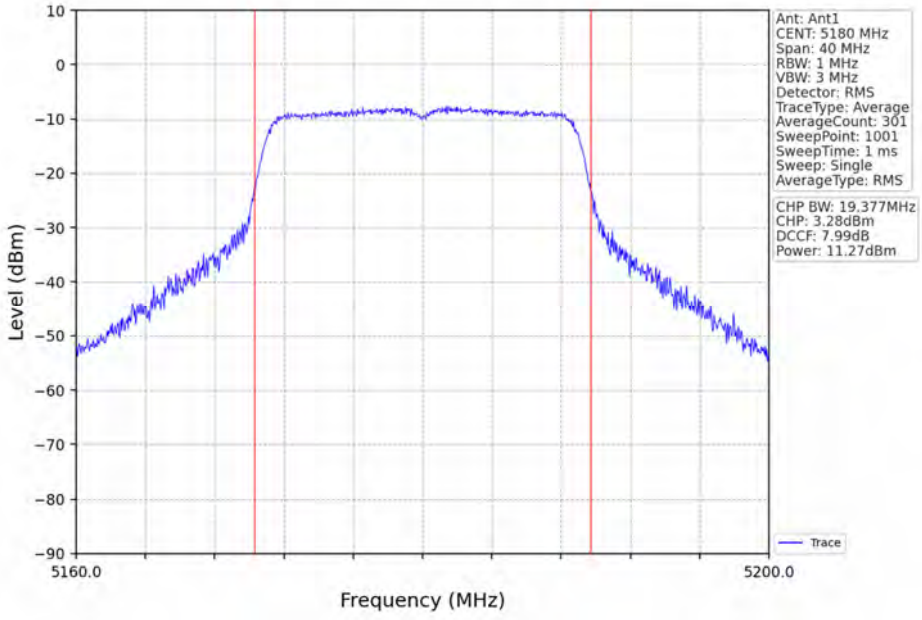
802.11a_HCH_5825MHz_Ant1_NTNV



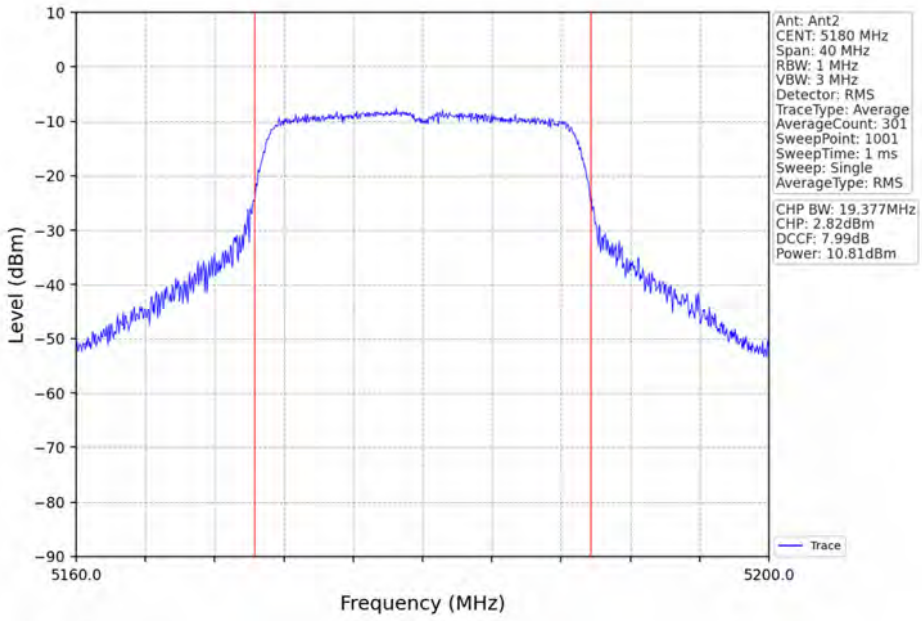

802.11a_HCH_5825MHz_Ant2_NTNV



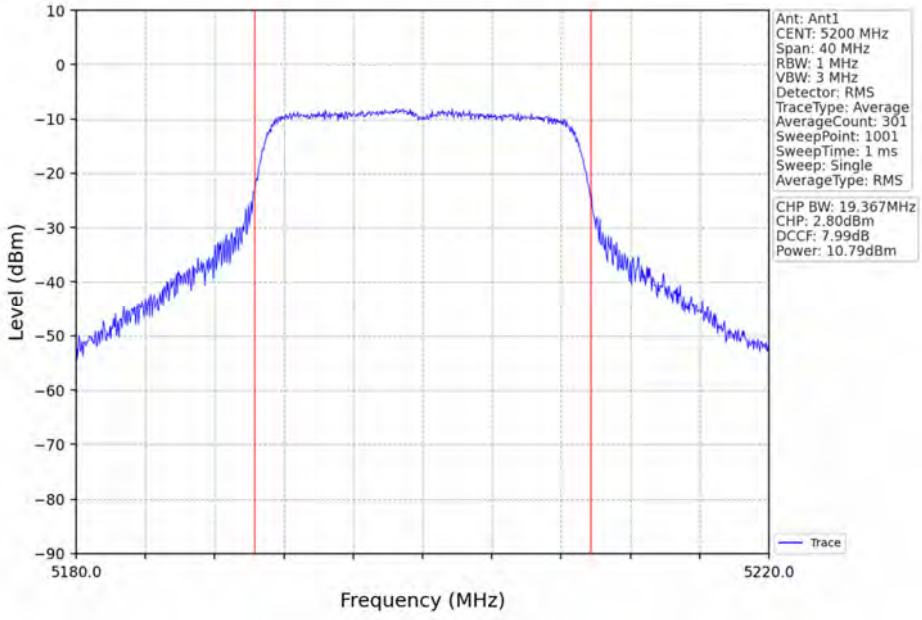
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



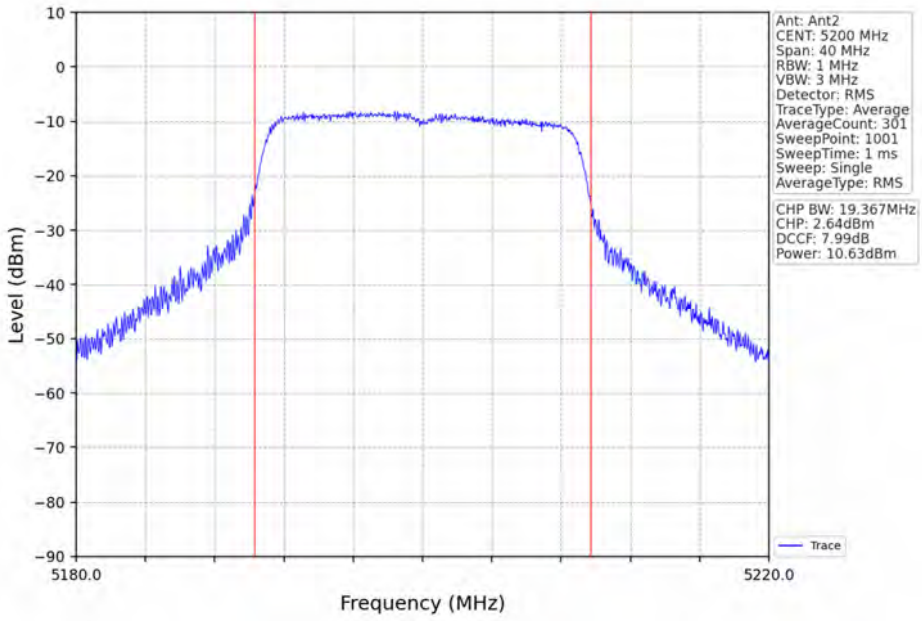

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



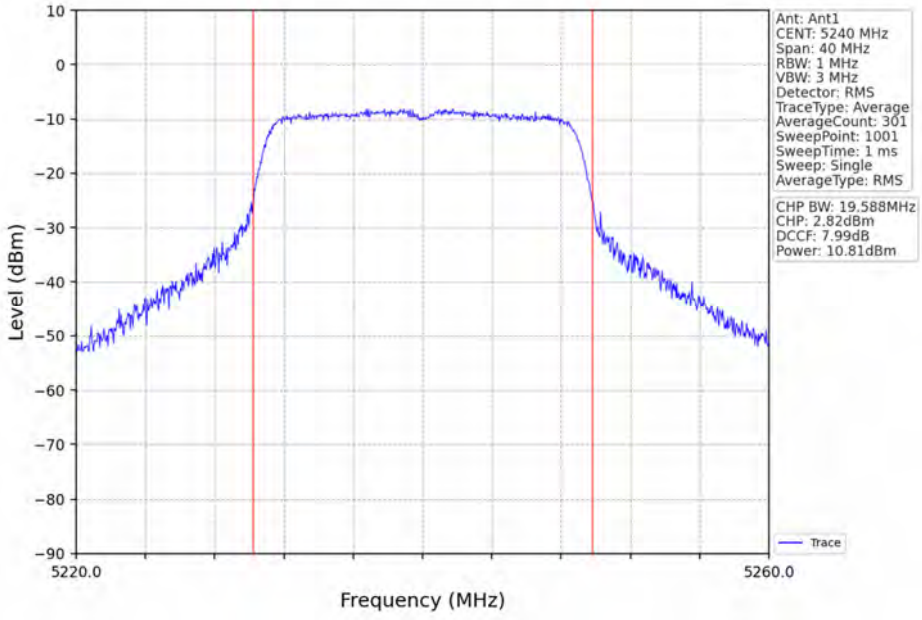
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



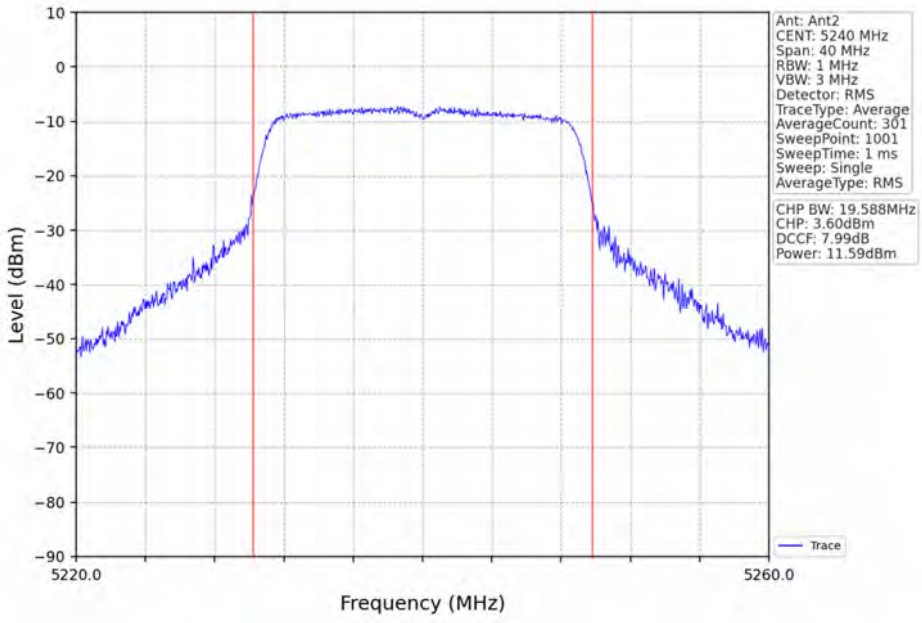

802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



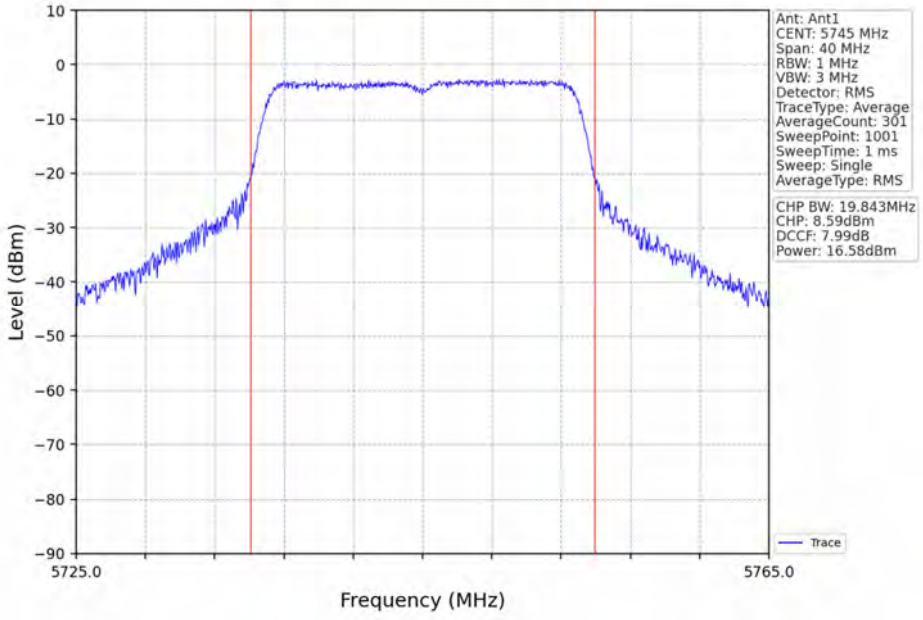
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



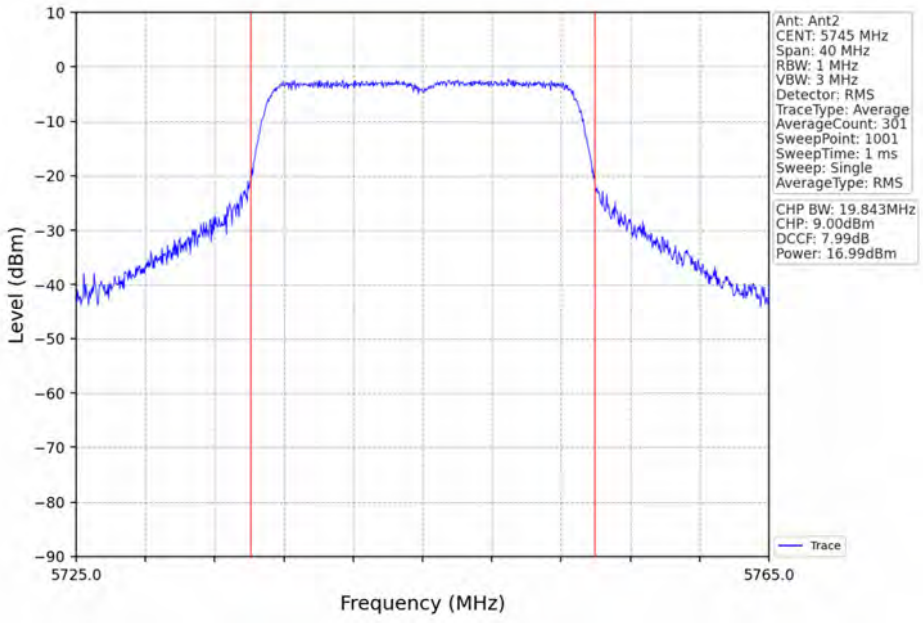

802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



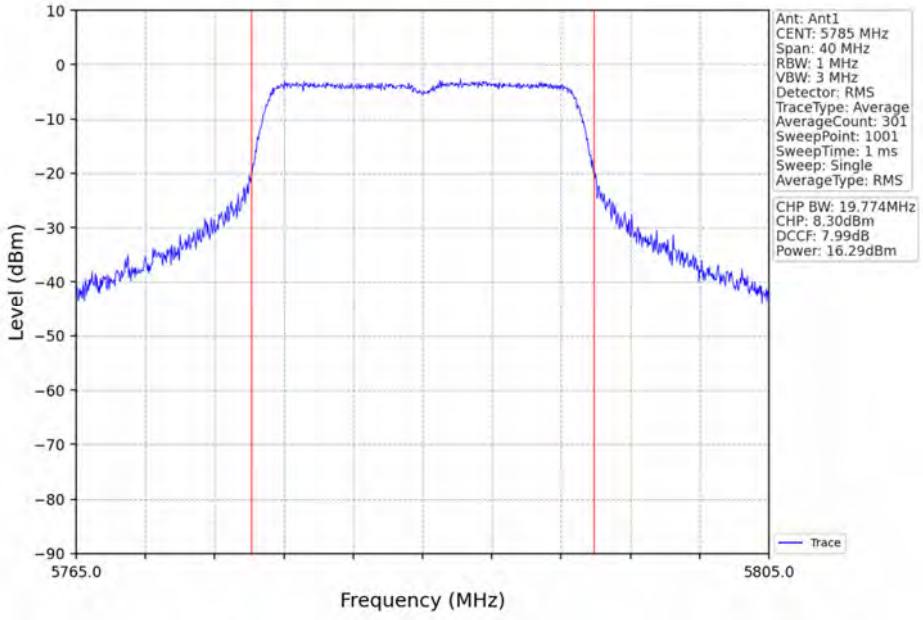
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



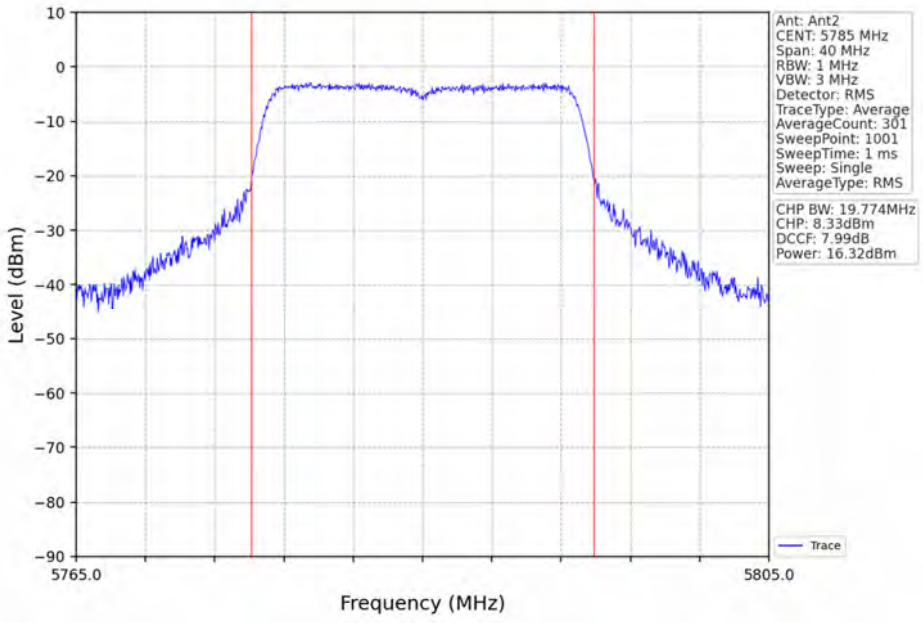

802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



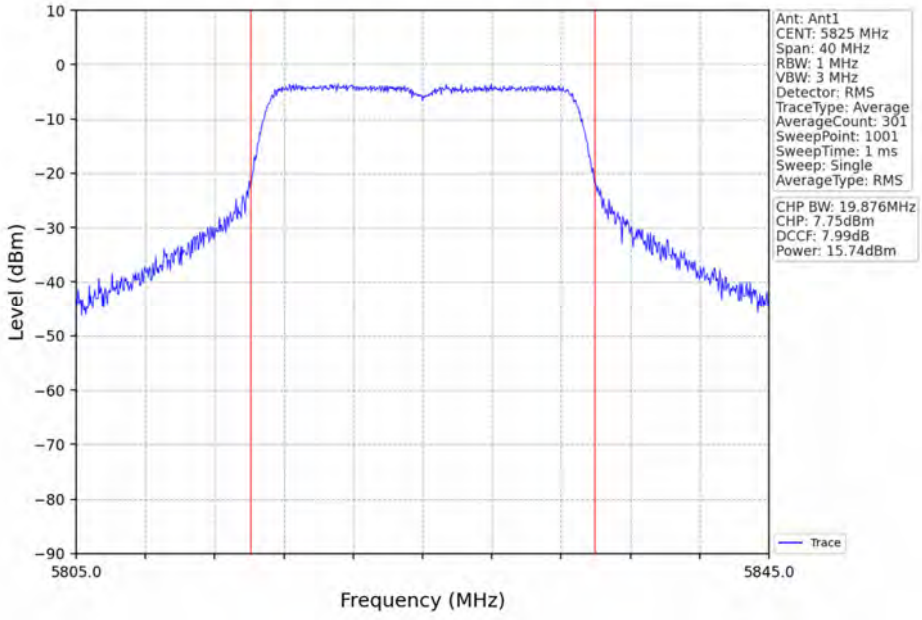
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



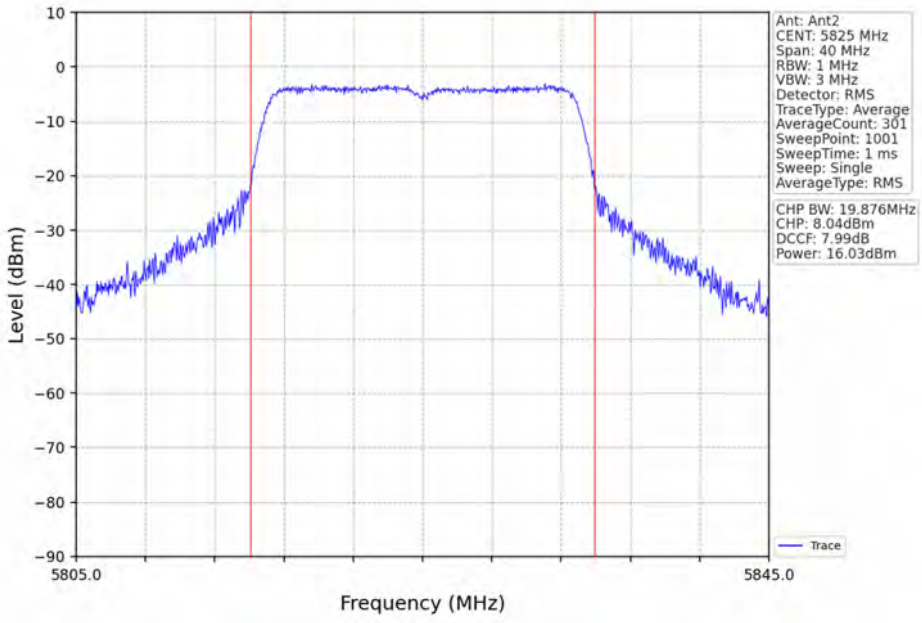

802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



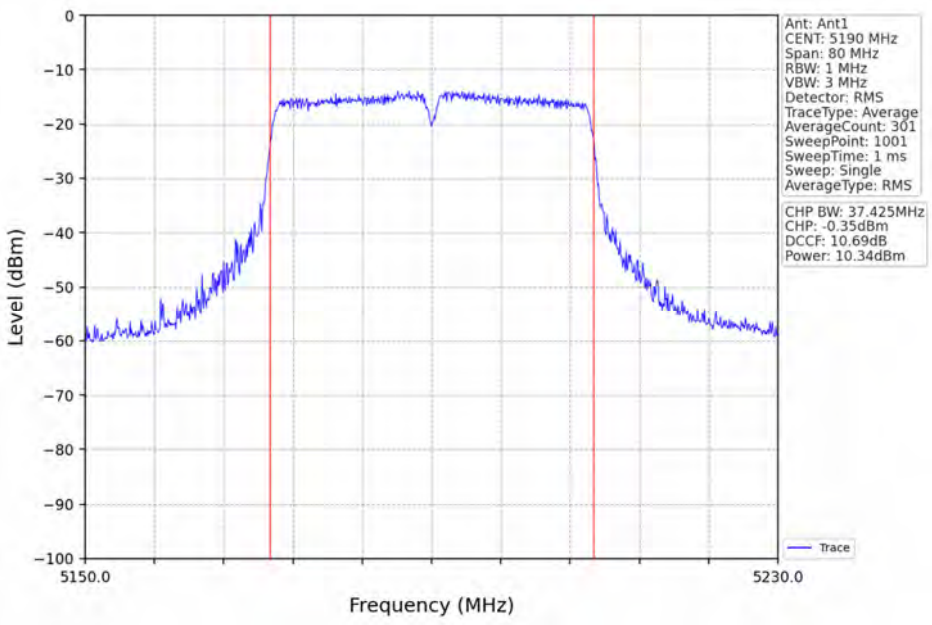
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



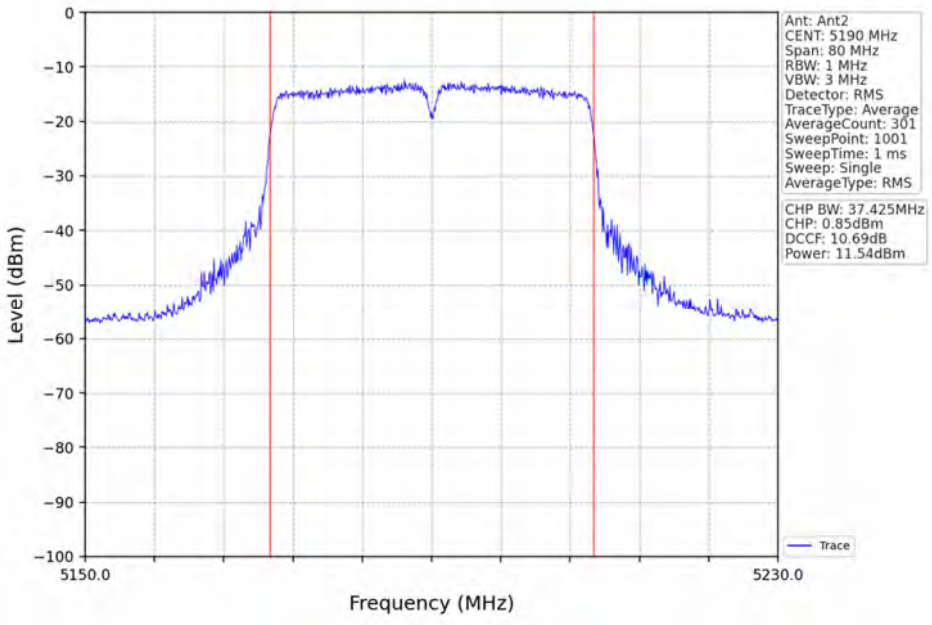

802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



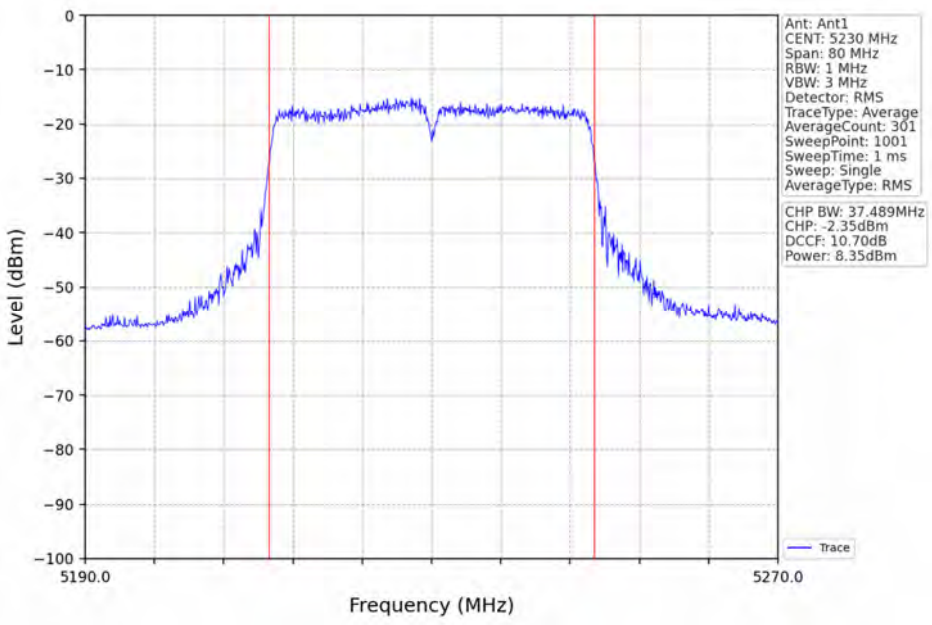
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV




802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

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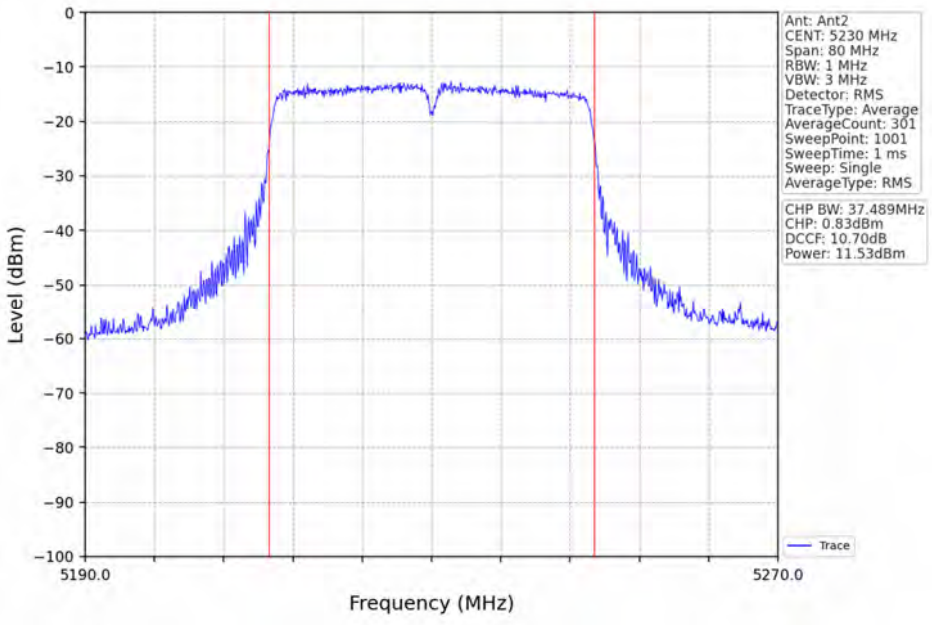
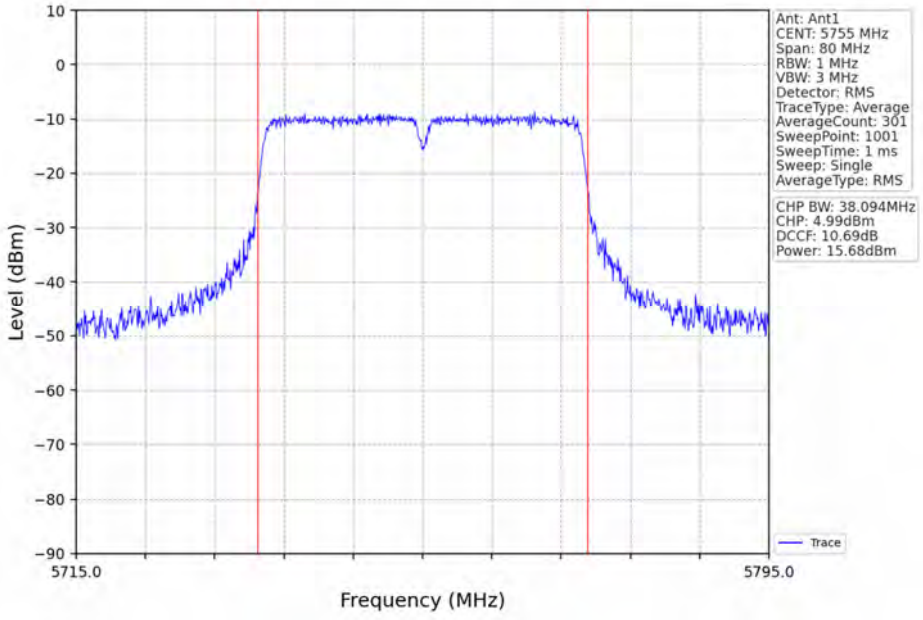
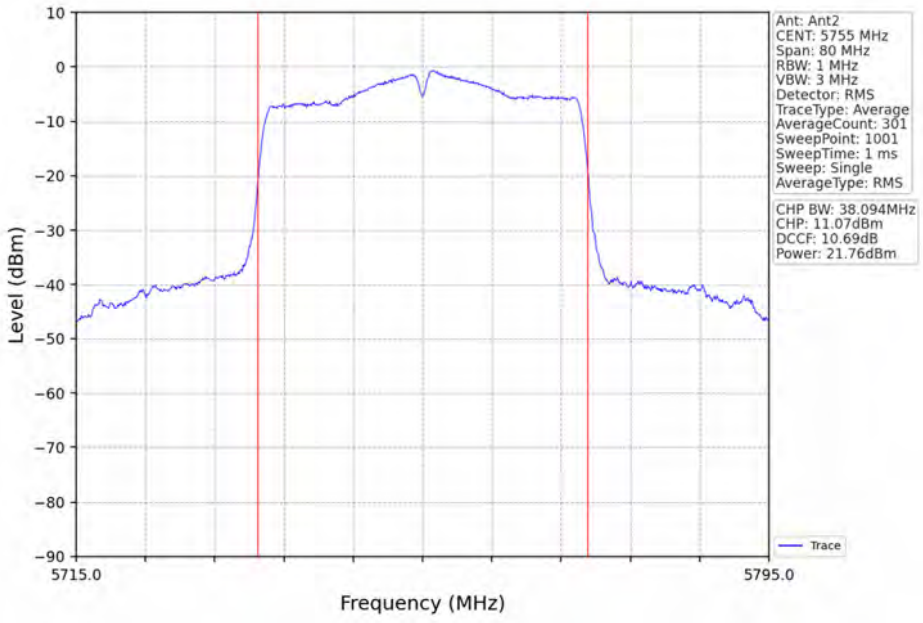


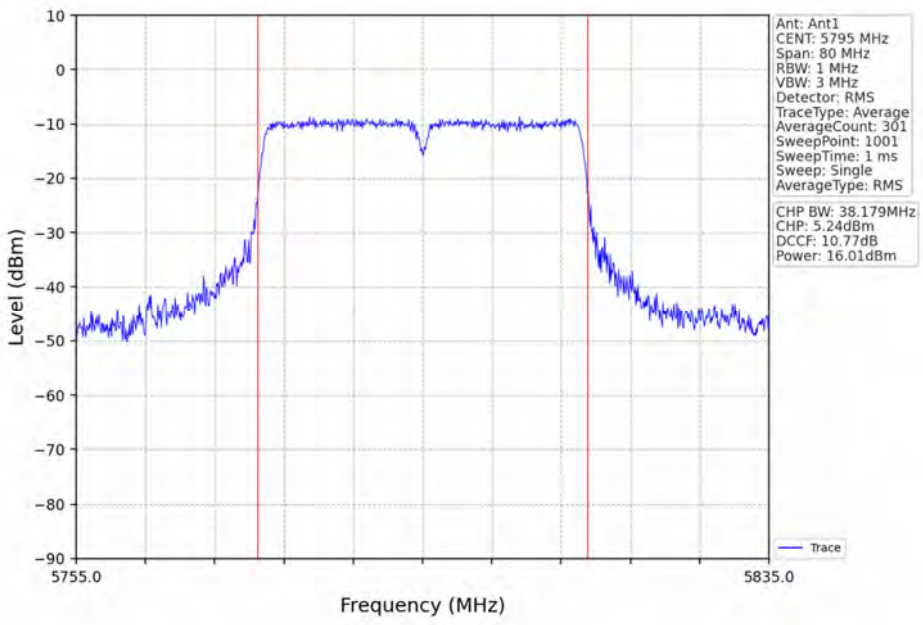
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



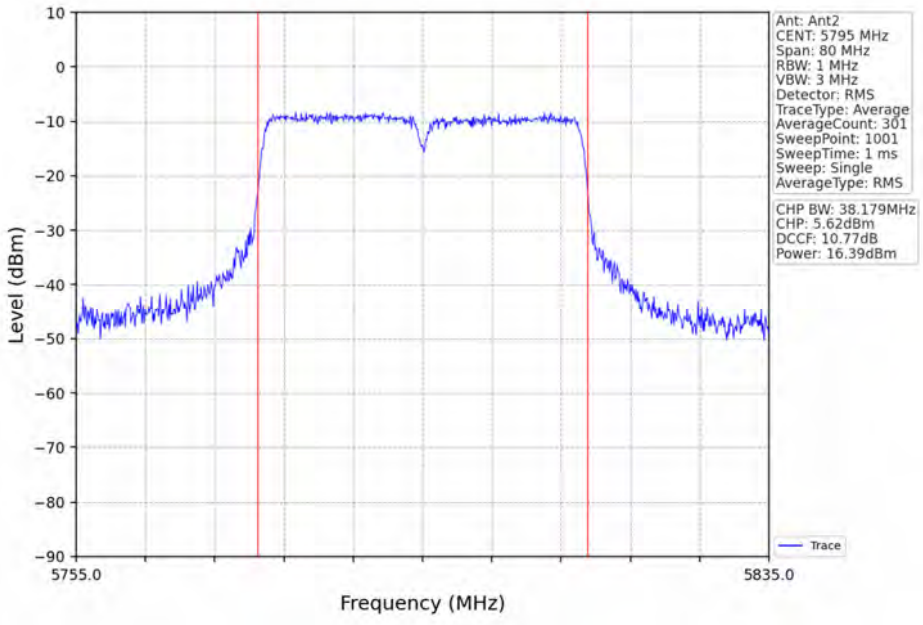

802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



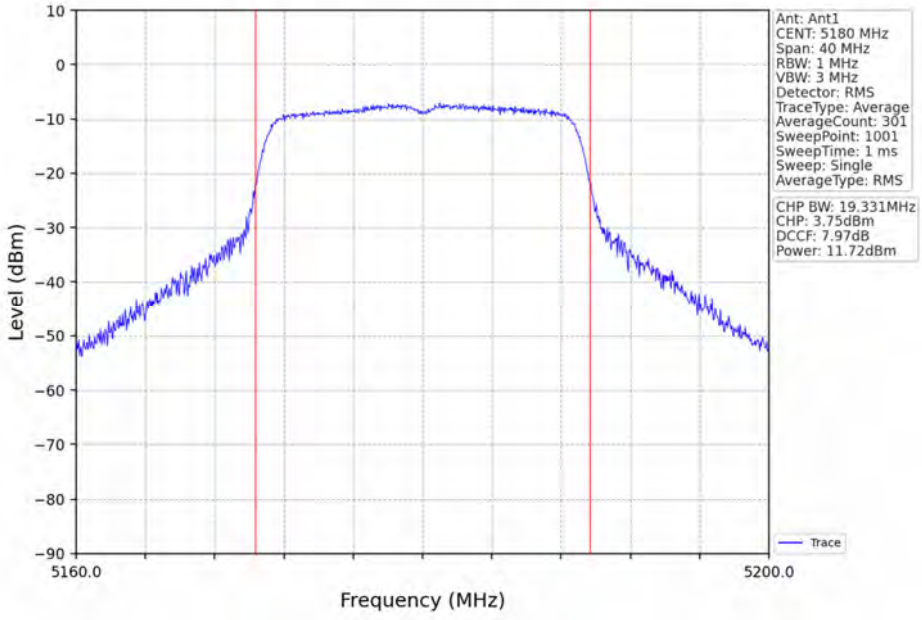
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



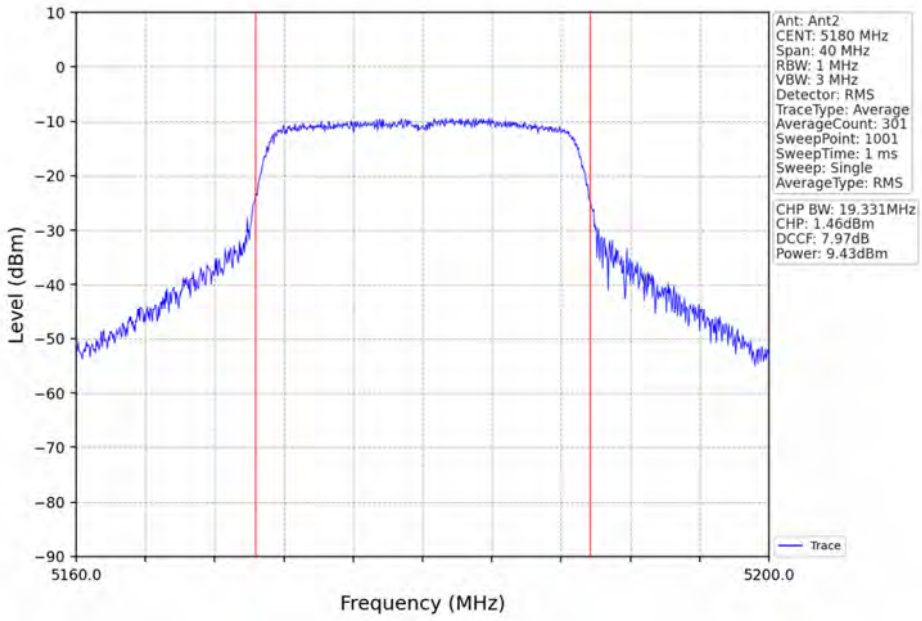

802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



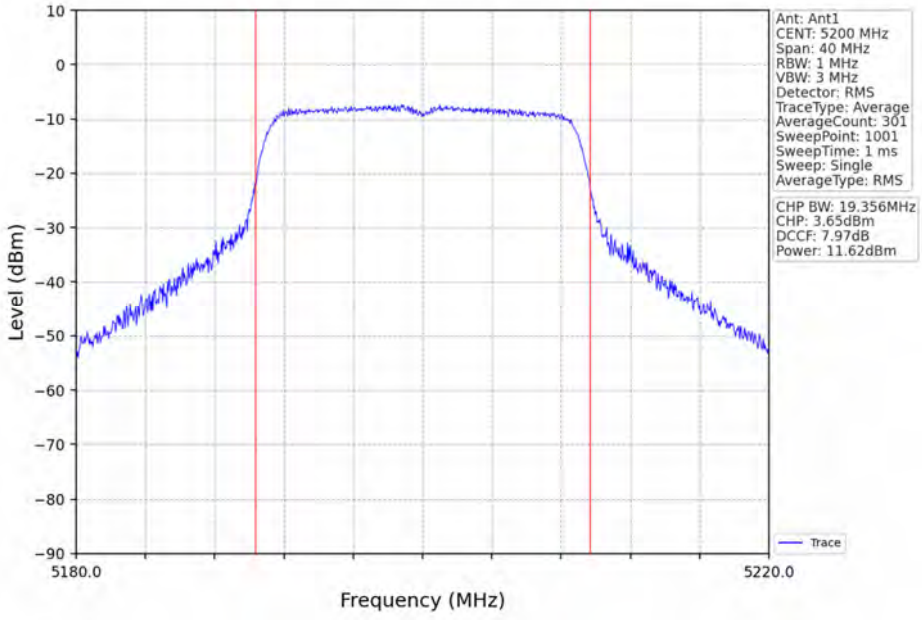
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



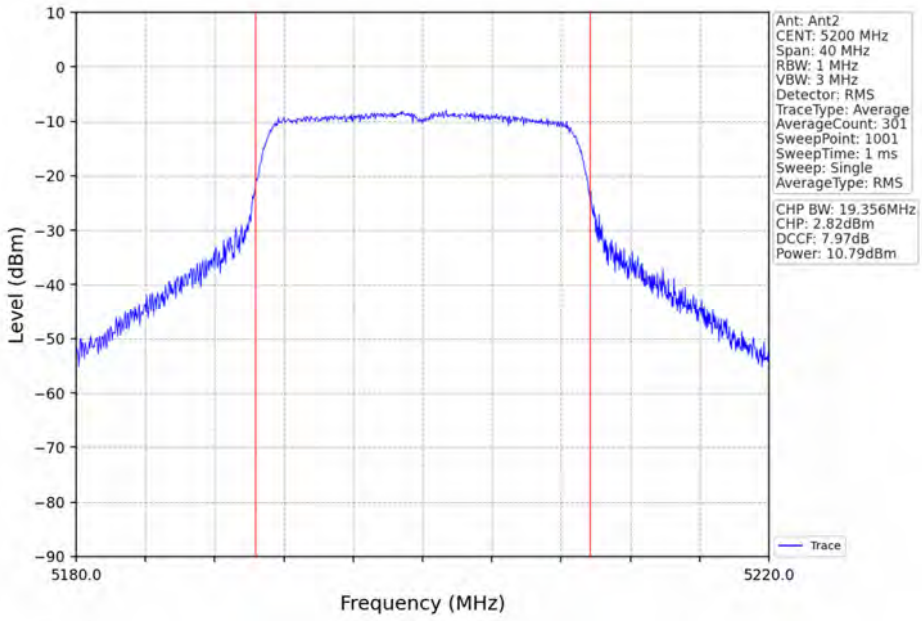

802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



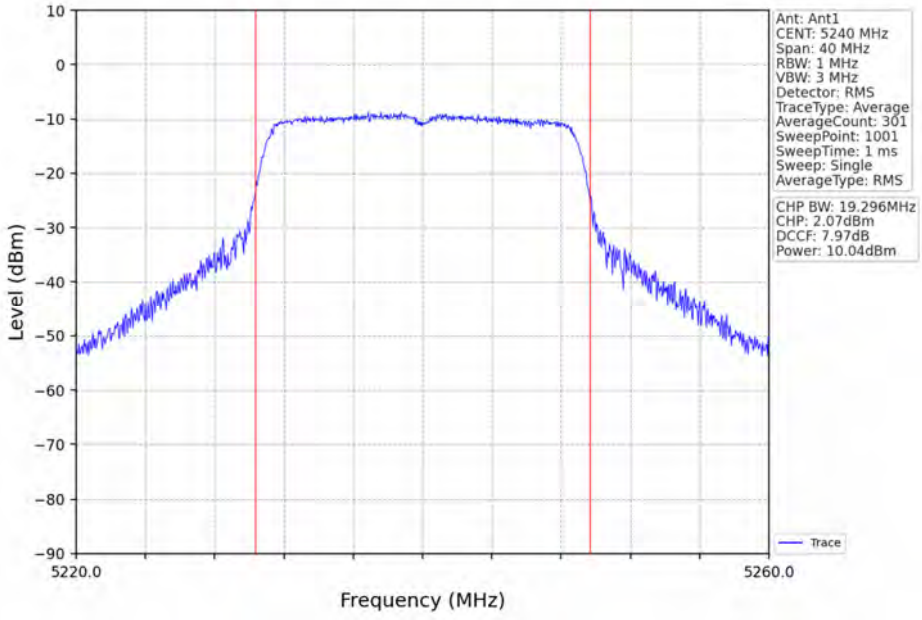
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



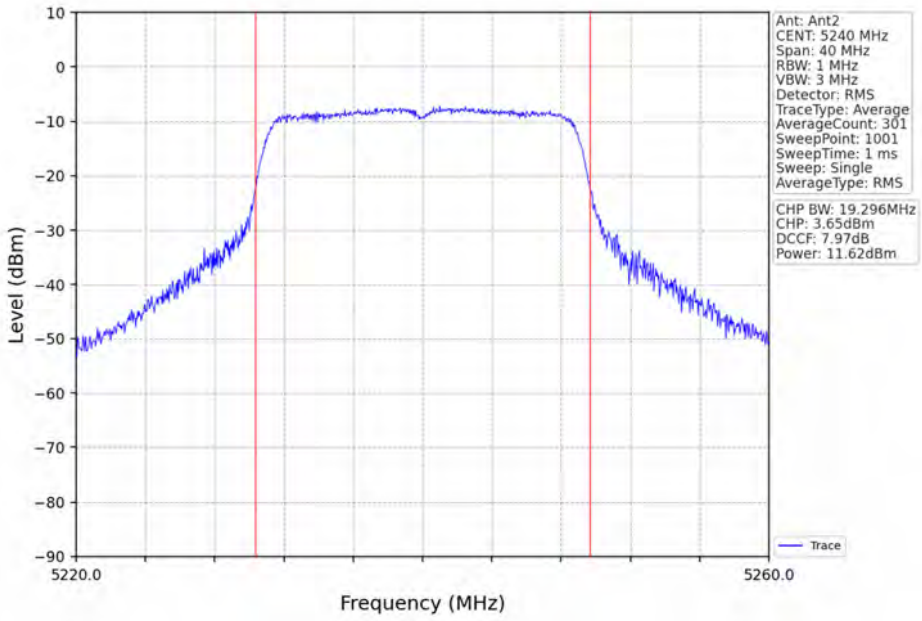

802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



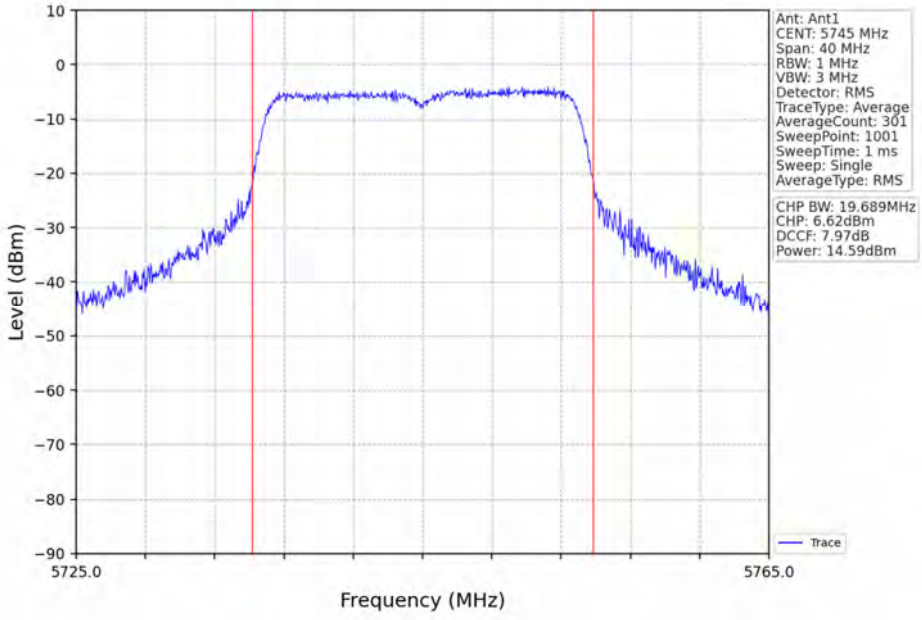
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



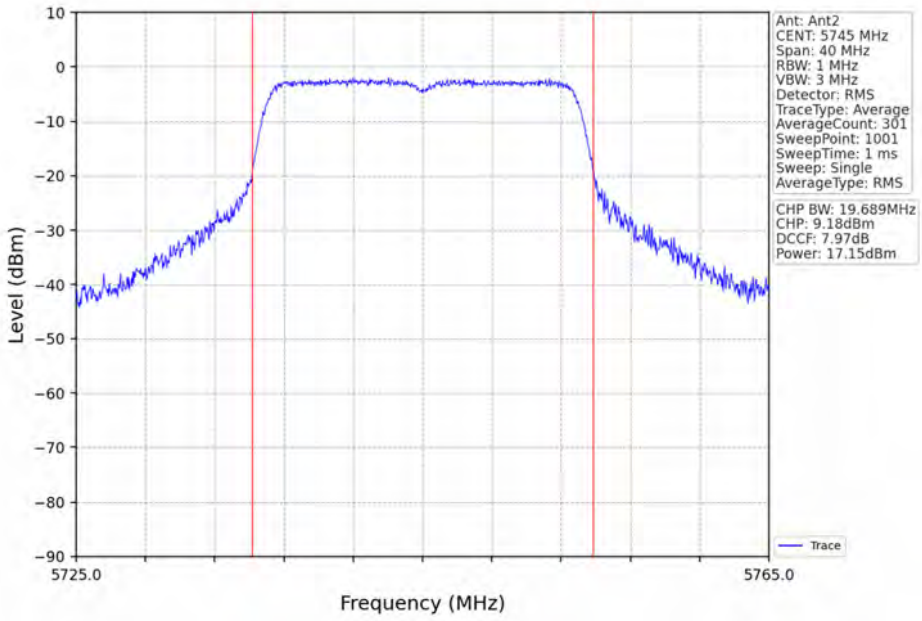

802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV




802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



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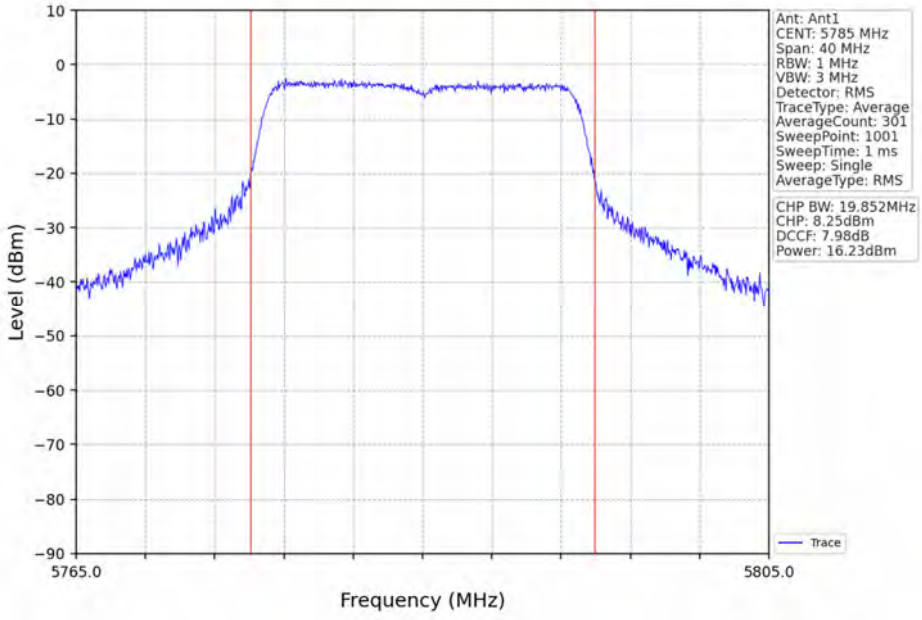
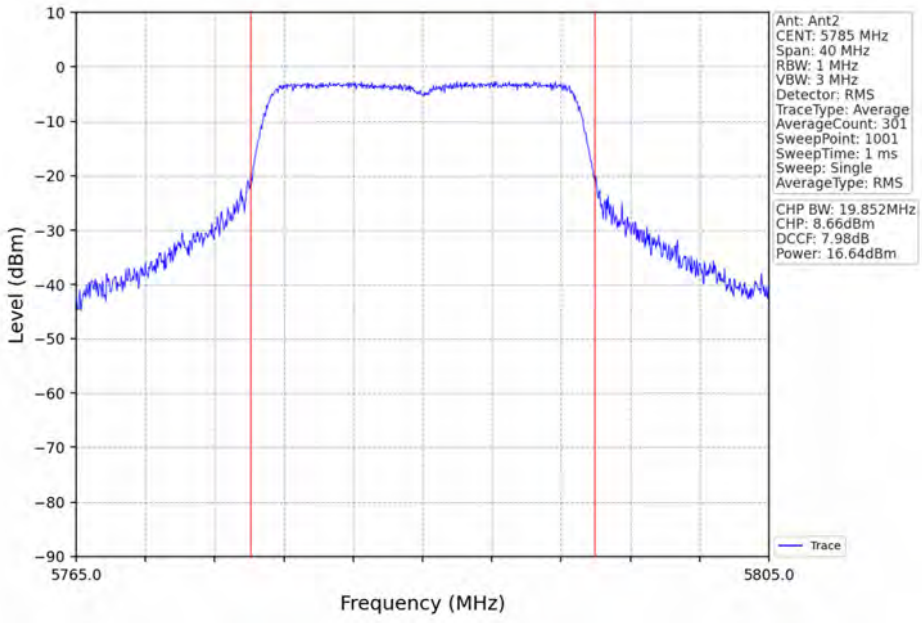
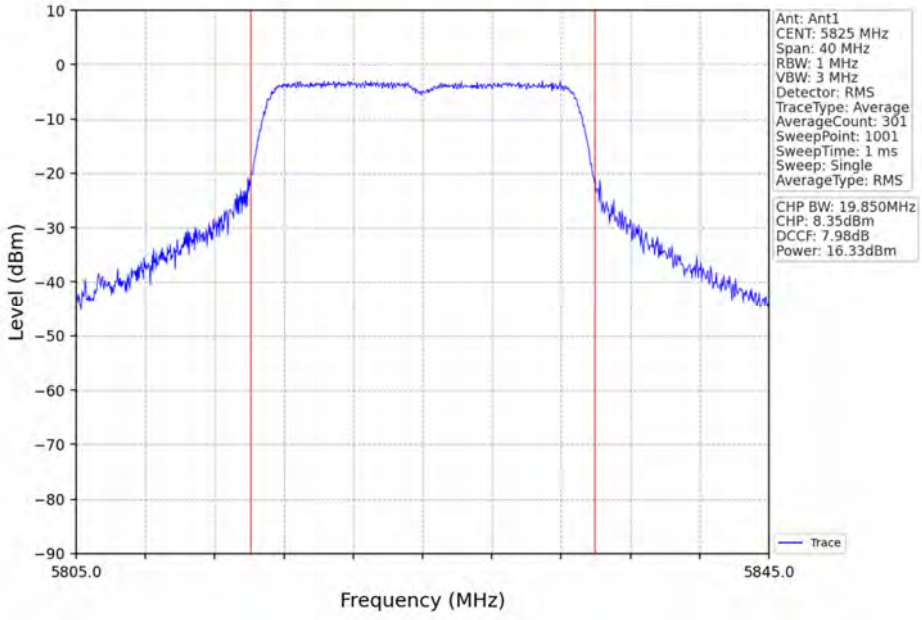


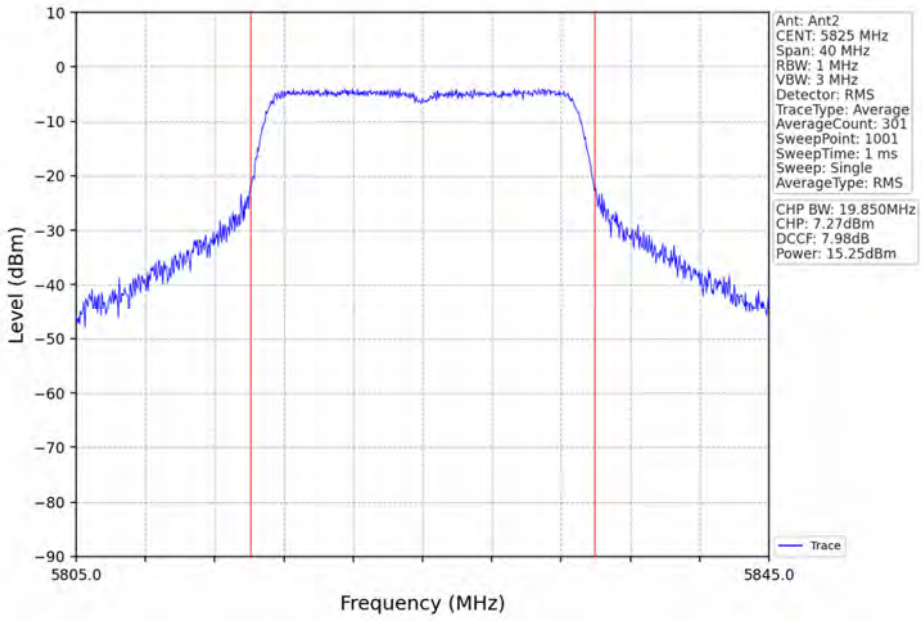

802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



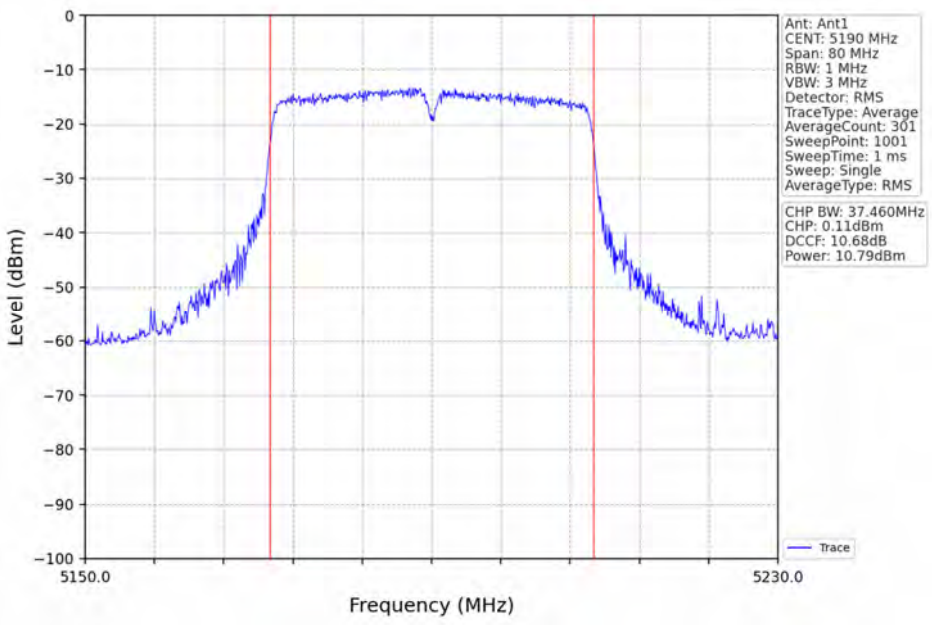
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



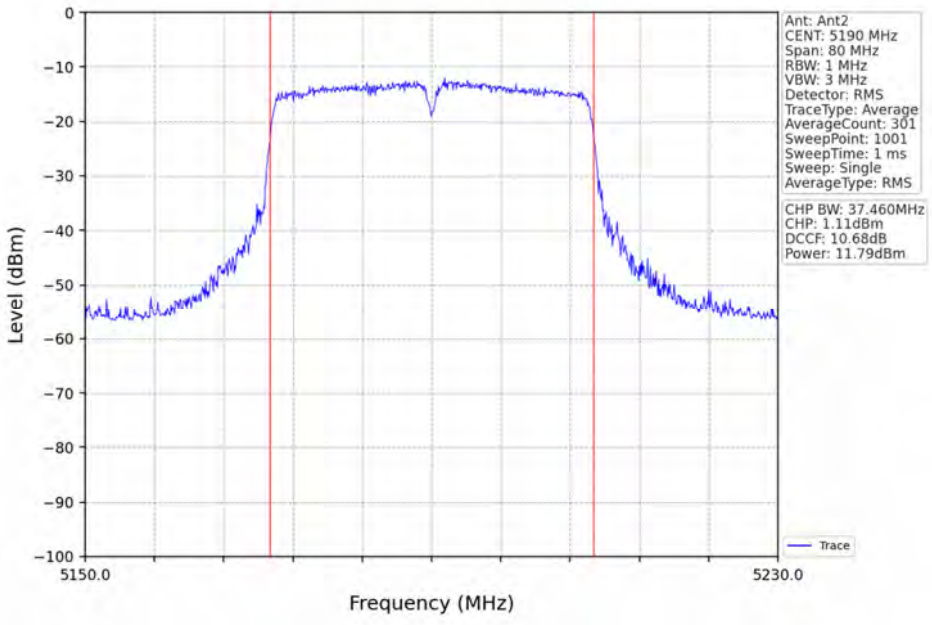

802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



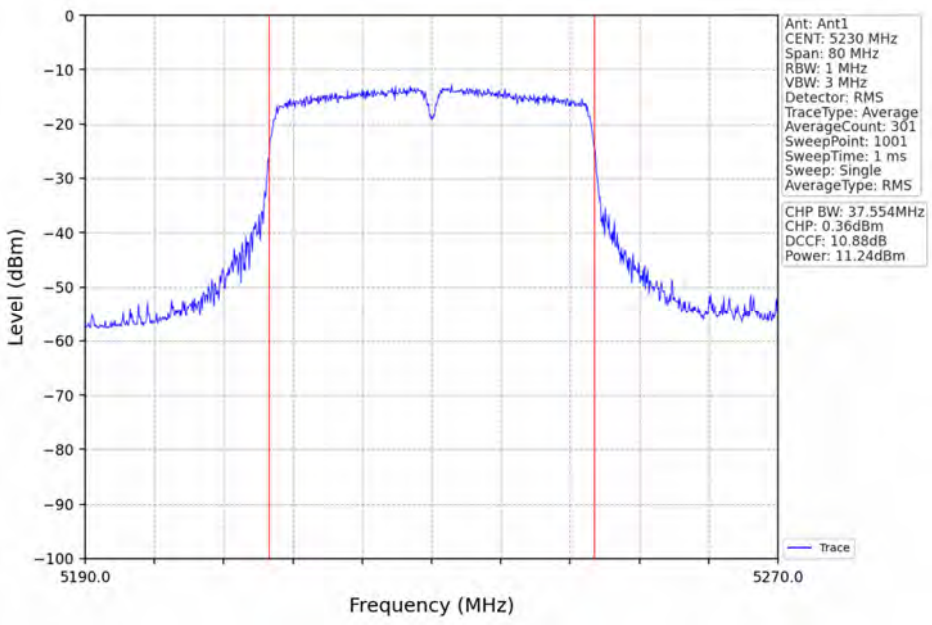
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



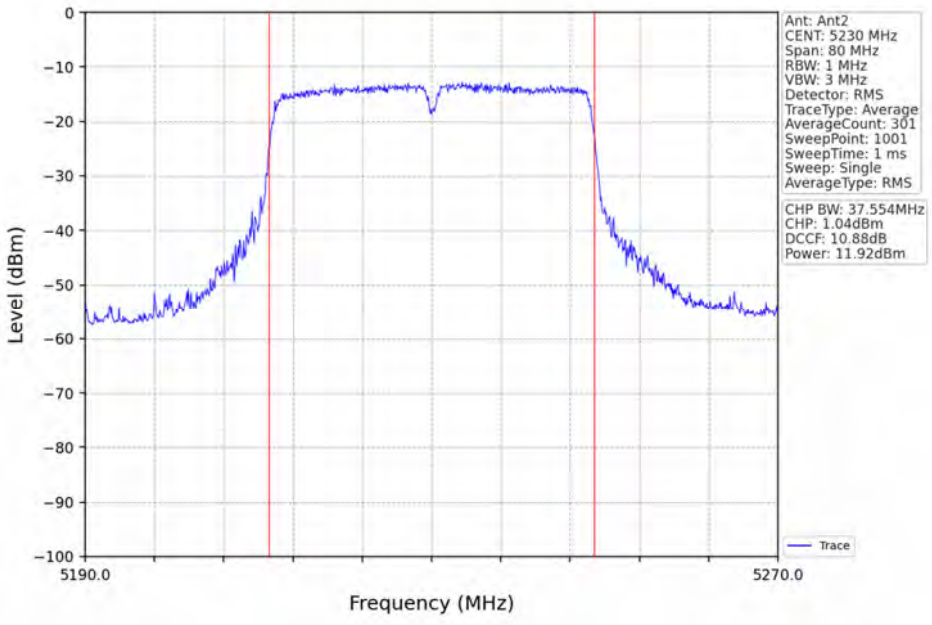

802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



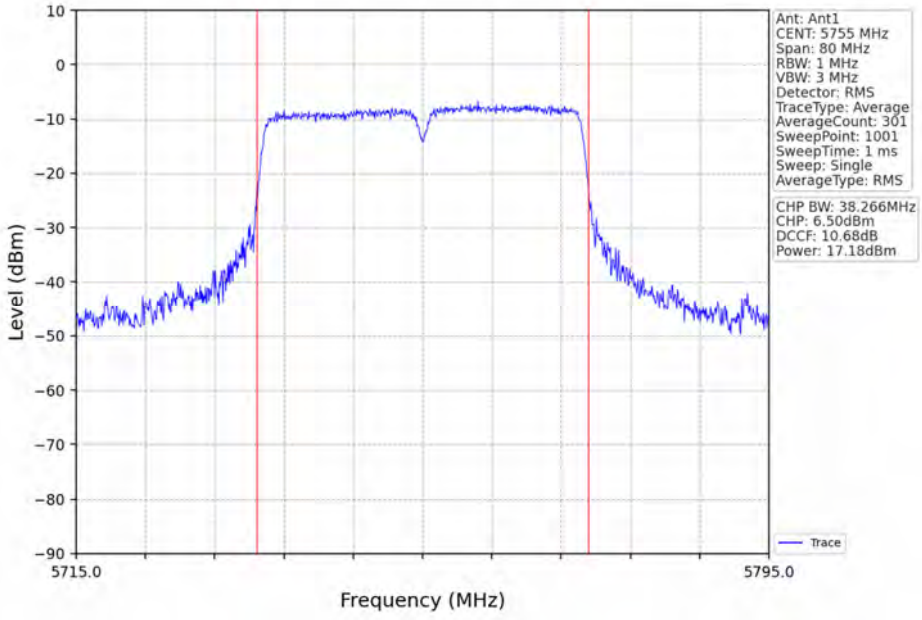
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



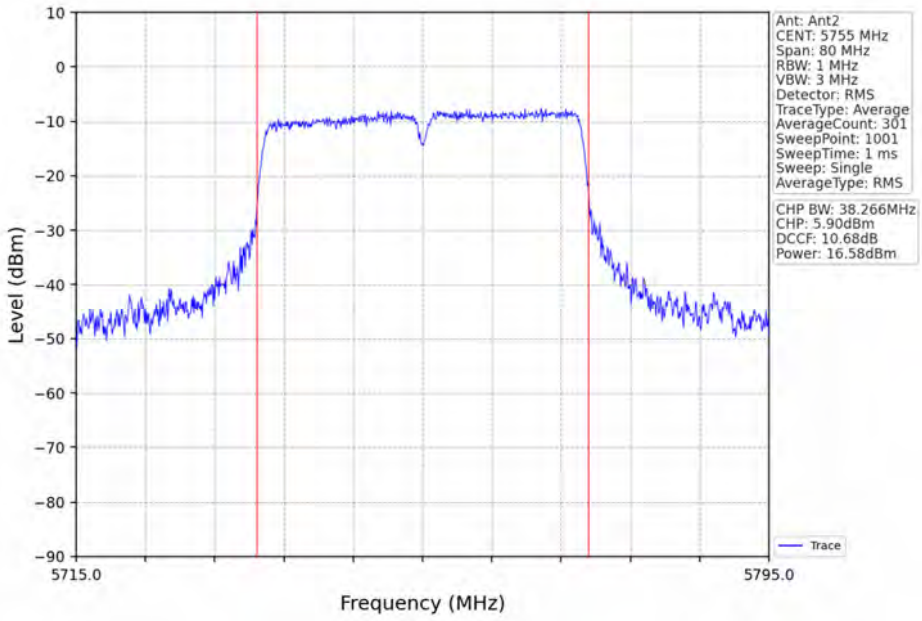

802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



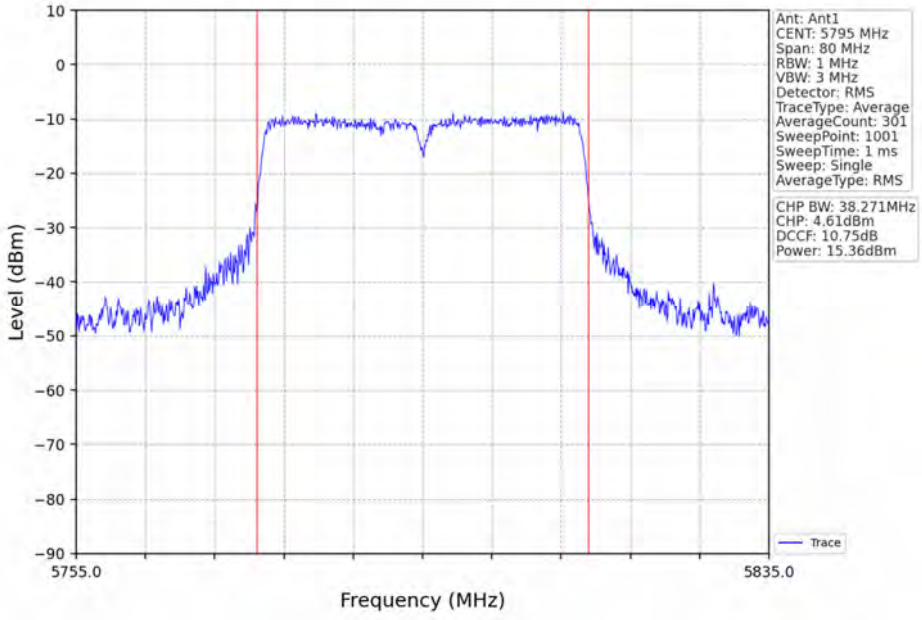
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



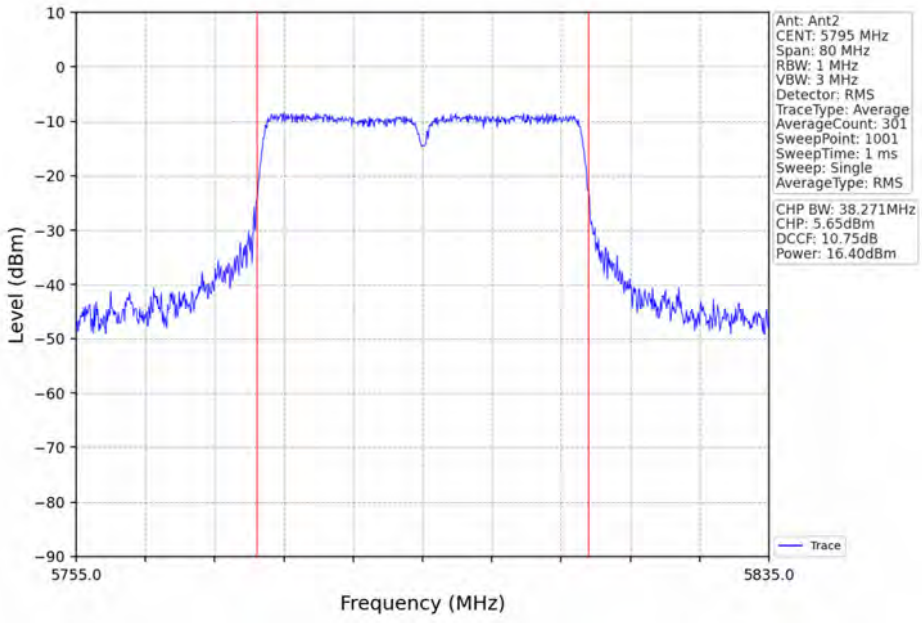

802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/MHz) | | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | Limit | |
| 802.11a | SISO | 5180 | / | / | 1.01 | 1.28 | <=11 | Pass |
| | | 5200 | / | / | 1.10 | 1.75 | <=11 | Pass |
| | | 5240 | / | / | -0.98 | 1.41 | <=11 | Pass |
| 802.11n (HT20) | SISO | 5180 | / | / | 0.68 | 0.47 | <=11 | Pass |
| | | 5200 | / | / | 0.13 | 0.48 | <=11 | Pass |
| | | 5240 | / | / | -1.16 | 0.14 | <=11 | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | -2.44 | -1.57 | <=11 | Pass |
| | | 5230 | / | / | -3.13 | -2.04 | <=11 | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | -0.66 | 1.50 | <=11 | Pass |
| | | 5200 | / | / | -1.45 | 0.27 | <=11 | Pass |
| | | 5240 | / | / | -0.80 | -0.45 | <=11 | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | -2.43 | -2.27 | <=11 | Pass |
| | | 5230 | / | / | -3.32 | -2.65 | <=11 | Pass |

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/MHz) | | | | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | MIMO | Limit | |
| 802.11n (HT20) | SISO | 5180 | / | / | 0.68 | 0.47 | 3.59 | <=11 | Pass |
| | | 5200 | / | / | 0.13 | 0.48 | 3.32 | <=11 | Pass |
| | | 5240 | / | / | -1.16 | 0.14 | 2.55 | <=11 | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | -2.44 | -1.57 | 1.03 | <=11 | Pass |
| | | 5230 | / | / | -3.13 | -2.04 | 0.46 | <=11 | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | -0.66 | 1.50 | 3.56 | <=11 | Pass |
| | | 5200 | / | / | -1.45 | 0.27 | 2.50 | <=11 | Pass |
| | | 5240 | / | / | -0.80 | -0.45 | 2.39 | <=11 | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | -2.43 | -2.27 | 0.66 | <=11 | Pass |
| | | 5230 | / | / | -3.32 | -2.65 | 0.04 | <=11 | Pass |
| Note1: Antenna Gain: Ant1: 2.77dBi; Ant2: 2.77dBi;<br>Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain= 2.77dBi) | | | | | | | | | |

**4.1.2 PSD-Band3**

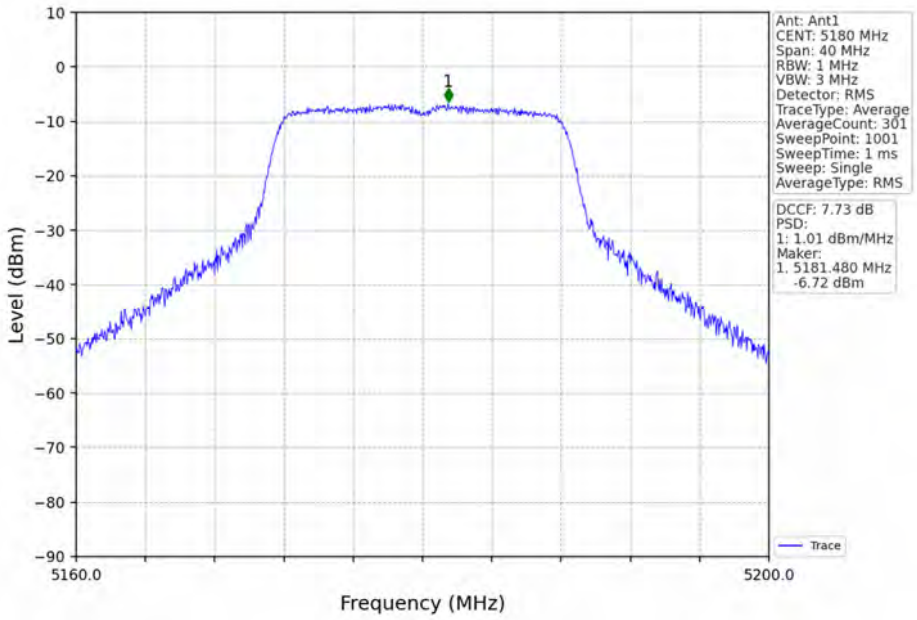
| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/500kHz) | | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | Limit | |
| 802.11a | SISO | 5745 | / | / | 1.30 | 3.39 | <=30 | Pass |
| | | 5785 | / | / | 2.47 | 2.78 | <=30 | Pass |
| | | 5825 | / | / | 2.43 | 2.44 | <=30 | Pass |
| 802.11n (HT20) | SISO | 5745 | / | / | 3.05 | 1.81 | <=30 | Pass |
| | | 5785 | / | / | 1.72 | 2.21 | <=30 | Pass |
| | | 5825 | / | / | 0.73 | 2.66 | <=30 | Pass |
| 802.11n (HT40) | SISO | 5755 | / | / | 0.62 | 7.73 | <=30 | Pass |
| | | 5795 | / | / | -0.51 | 0.50 | <=30 | Pass |
| 802.11ac (VHT20) | SISO | 5745 | / | / | 2.04 | 2.61 | <=30 | Pass |
| | | 5785 | / | / | 1.82 | 3.26 | <=30 | Pass |
| | | 5825 | / | / | 1.39 | 2.25 | <=30 | Pass |
| 802.11ac (VHT40) | SISO | 5755 | / | / | 0.10 | 0.90 | <=30 | Pass |
| | | 5795 | / | / | -0.51 | 0.39 | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.97dBi; Ant2: 3.97dBi; | | | | | | | | |

| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/500kHz) | | | | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | ANT1 | ANT2 | MIMO | Limit | |
| 802.11n (HT20) | SISO | 5745 | / | / | 3.05 | 1.81 | 5.48 | <=30 | Pass |
| | | 5785 | / | / | 1.72 | 2.21 | 4.98 | <=30 | Pass |
| | | 5825 | / | / | 0.73 | 2.66 | 4.81 | <=30 | Pass |
| 802.11n (HT40) | SISO | 5755 | / | / | 0.62 | 7.73 | 8.50 | <=30 | Pass |
| | | 5795 | / | / | -0.51 | 0.50 | 3.03 | <=30 | Pass |
| 802.11ac (VHT20) | SISO | 5745 | / | / | 2.04 | 2.61 | 5.34 | <=30 | Pass |
| | | 5785 | / | / | 1.82 | 3.26 | 5.61 | <=30 | Pass |
| | | 5825 | / | / | 1.39 | 2.25 | 4.85 | <=30 | Pass |
| 802.11ac (VHT40) | SISO | 5755 | / | / | 0.10 | 0.90 | 3.53 | <=30 | Pass |
| | | 5795 | / | / | -0.51 | 0.39 | 2.97 | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.97dBi; Ant2: 3.97dBi;<br>Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain= 3.97dBi) | | | | | | | | | |

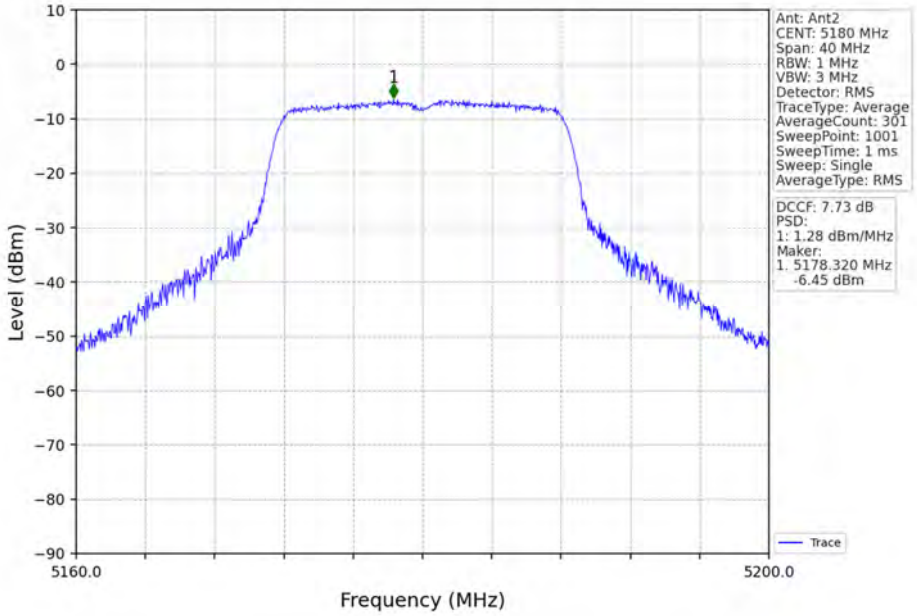
### 4.2 Test Graph

#### 4.2.1 PSD

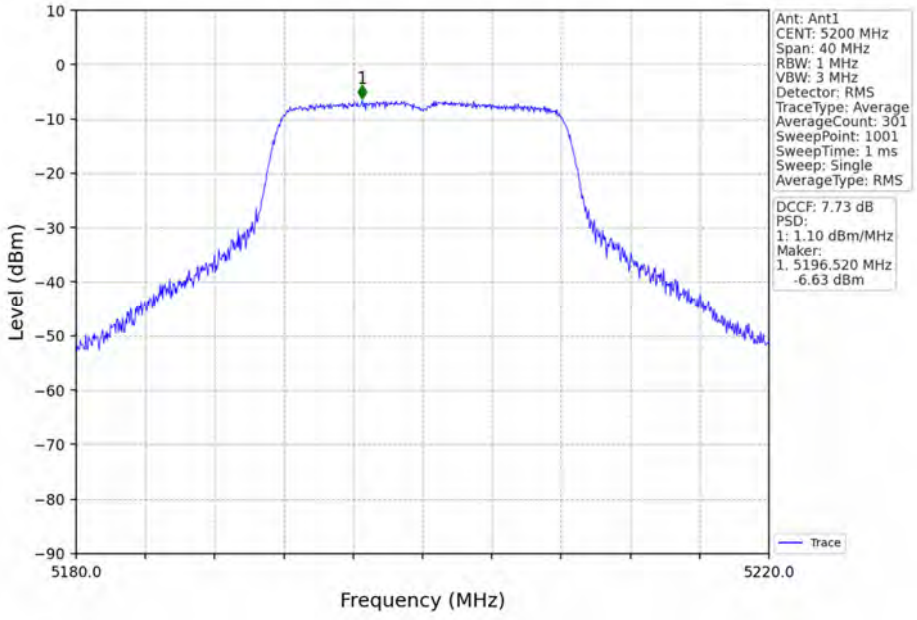
802.11a_LCH_5180MHz_Ant1_NTNV



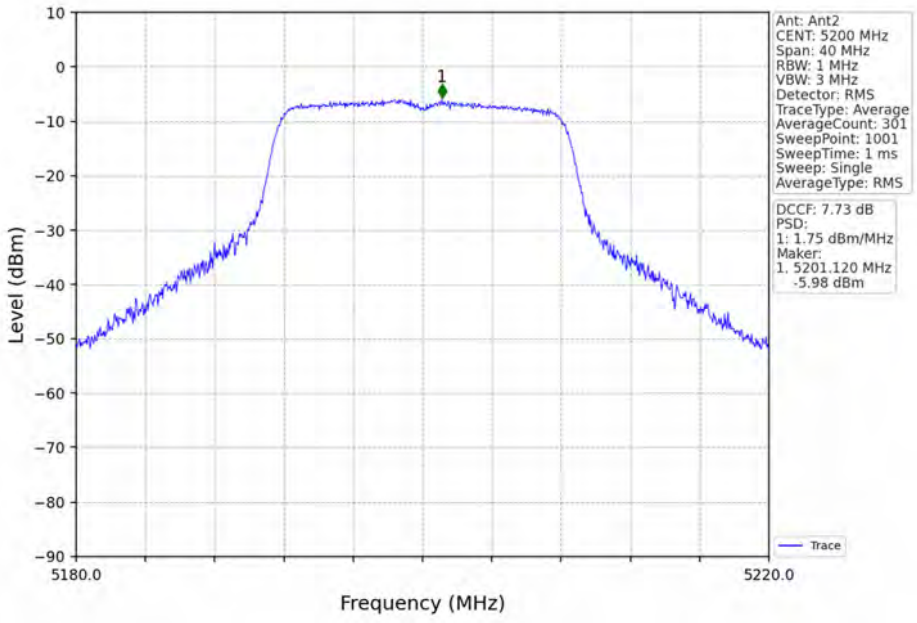

802.11a_LCH_5180MHz_Ant2_NTNV



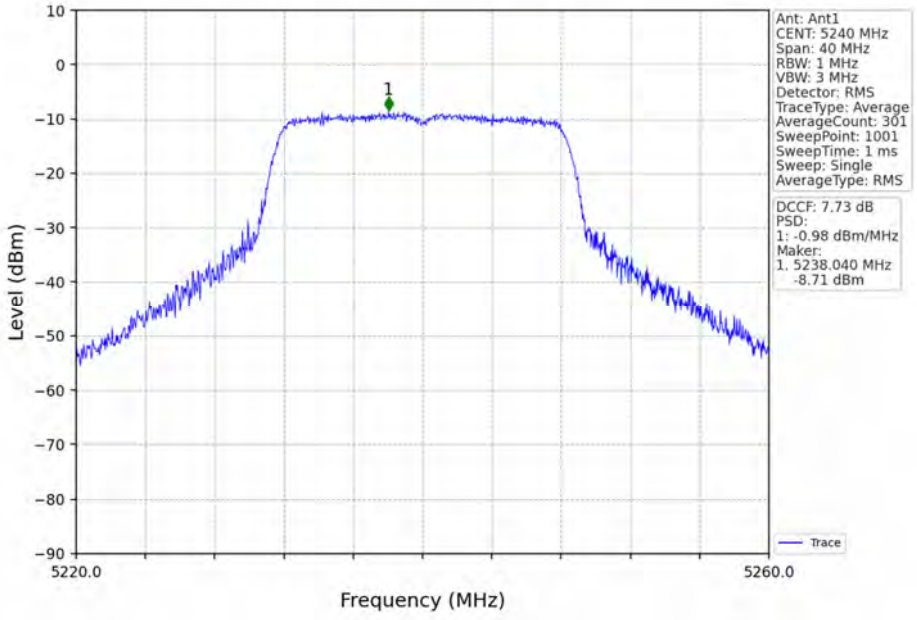
802.11a_MCH_5200MHz_Ant1_NTNV



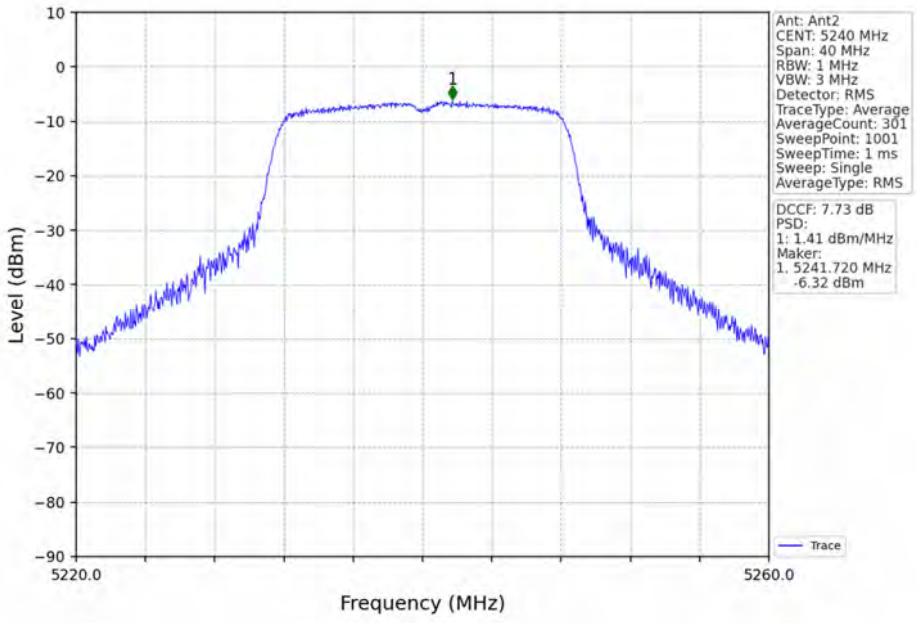

802.11a_MCH_5200MHz_Ant2_NTNV



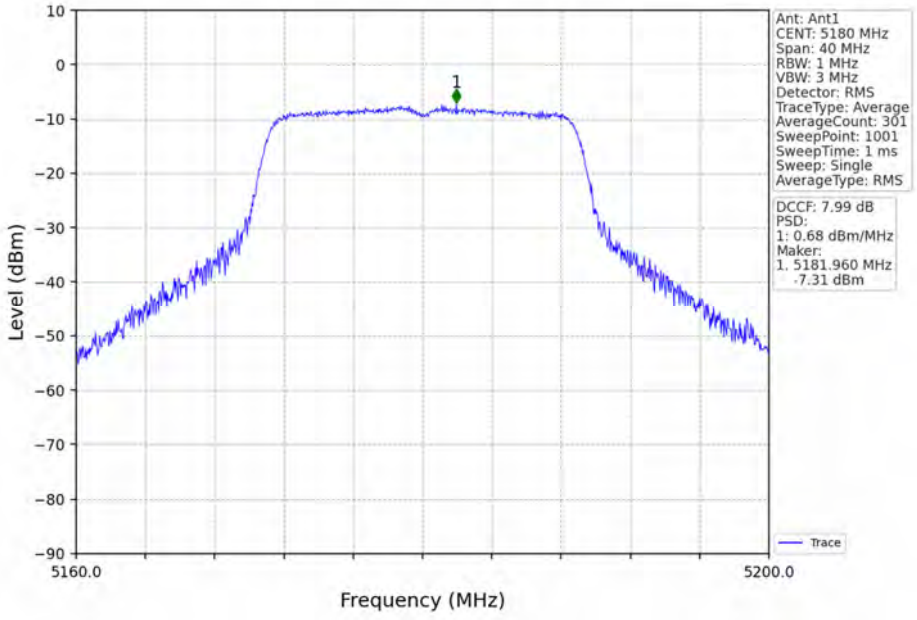
802.11a_HCH_5240MHz_Ant1_NTNV



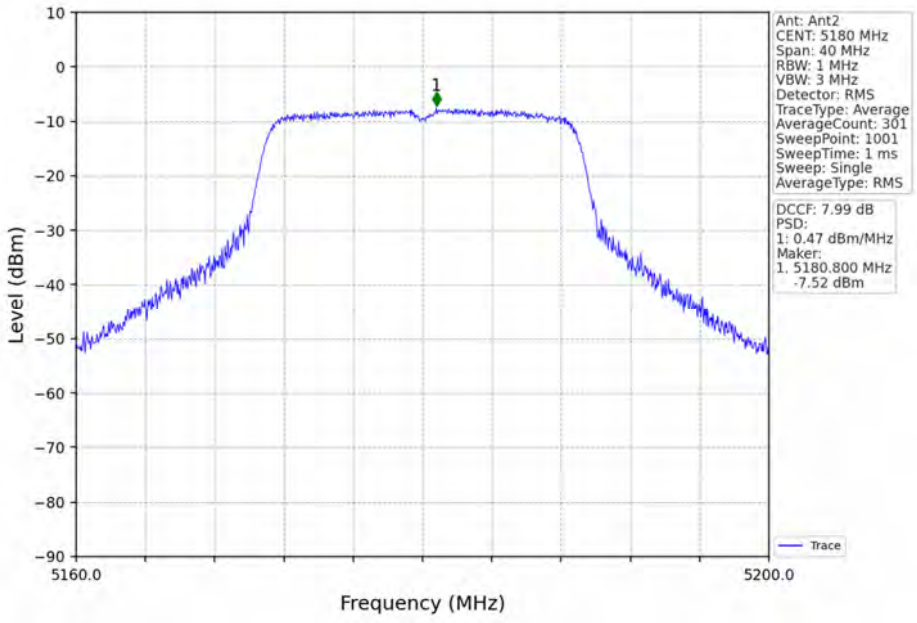

802.11a_HCH_5240MHz_Ant2_NTNV



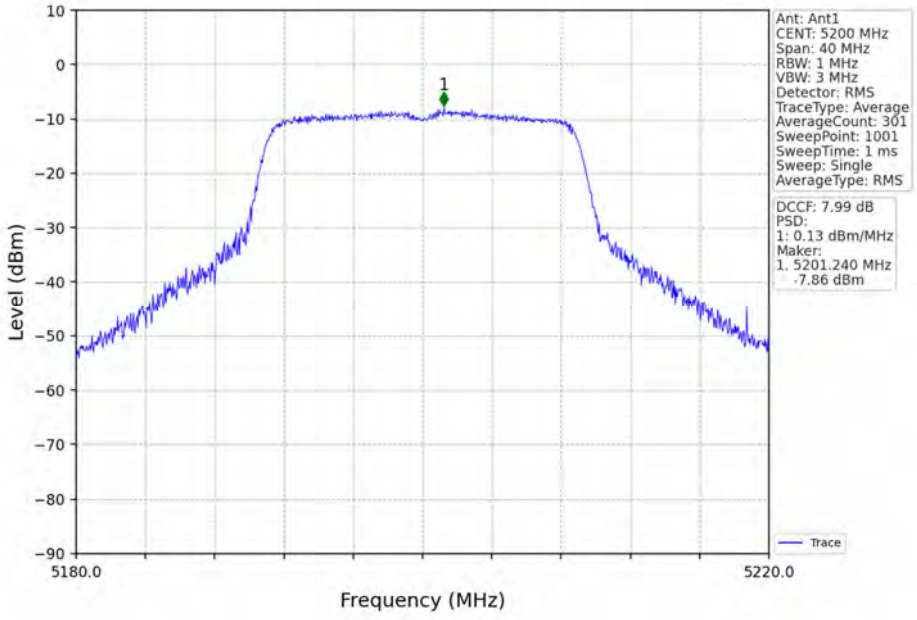
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



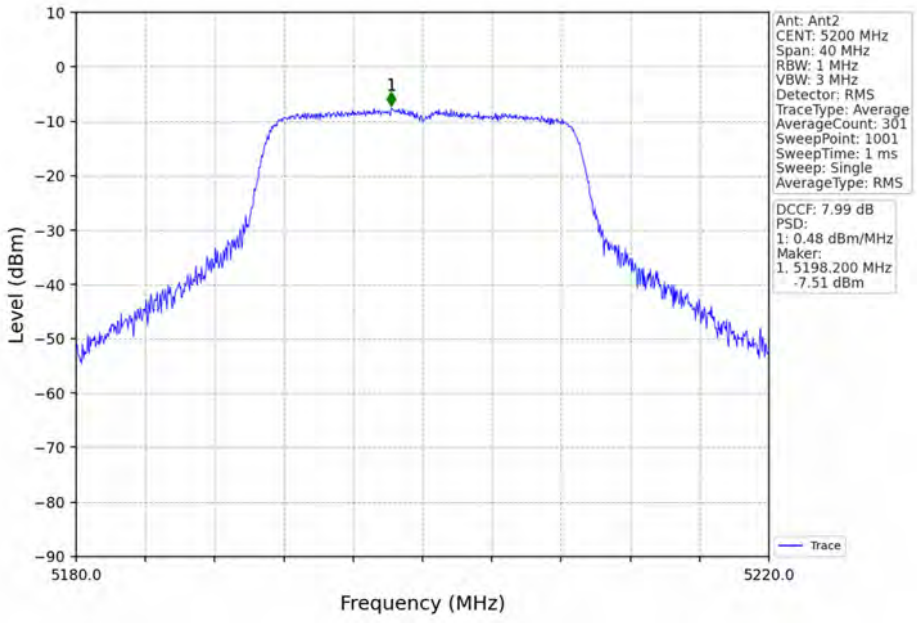

802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



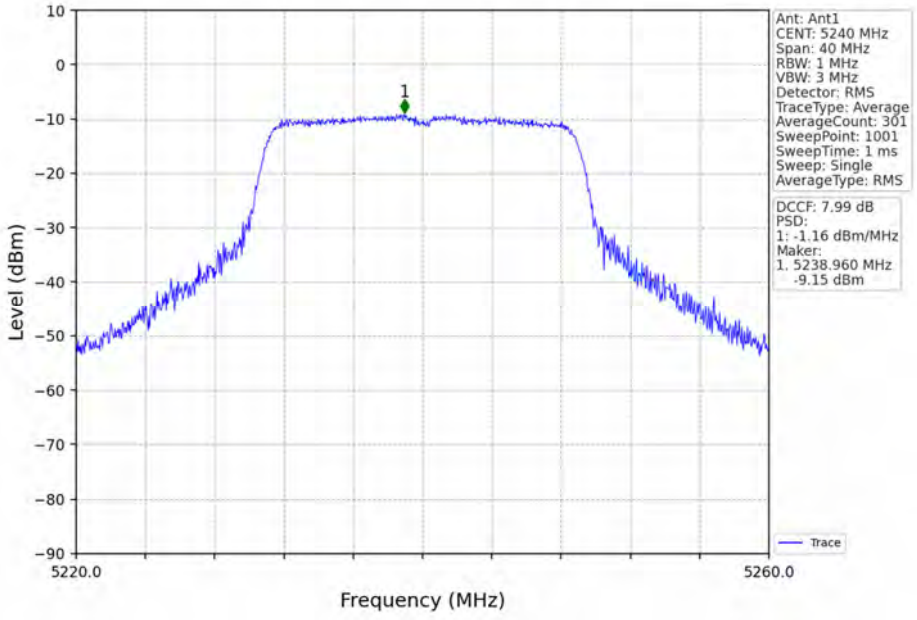
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



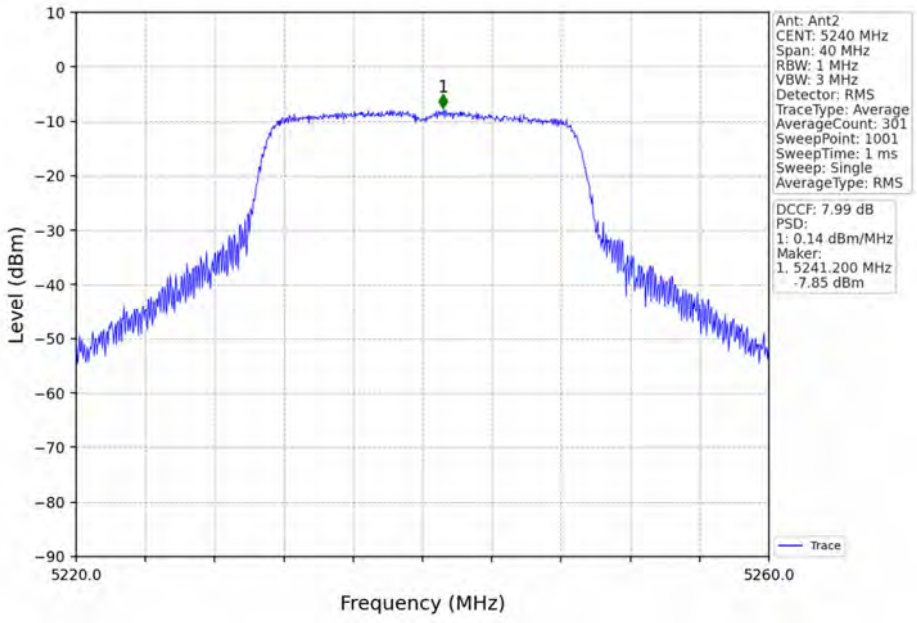

802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



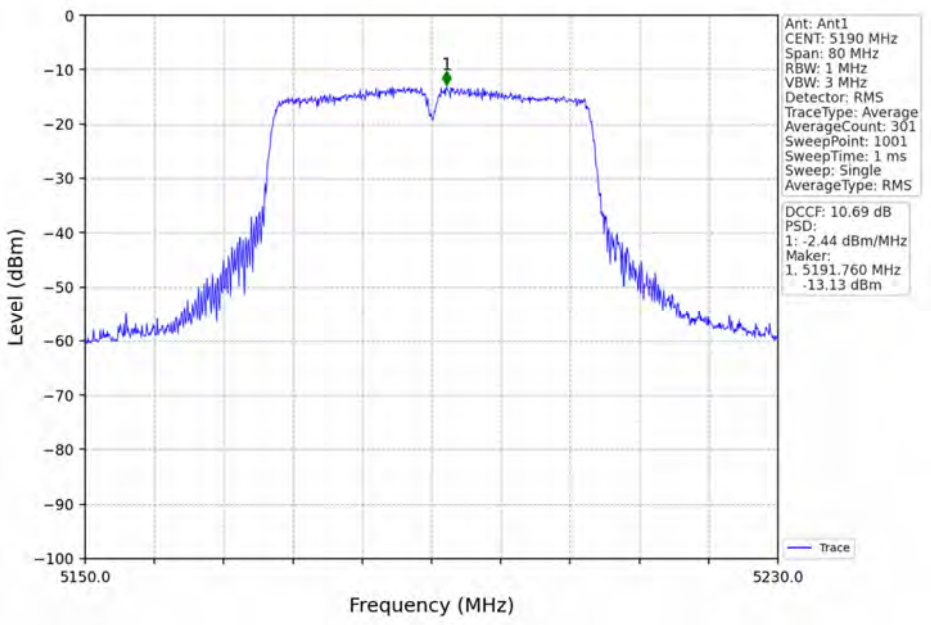
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



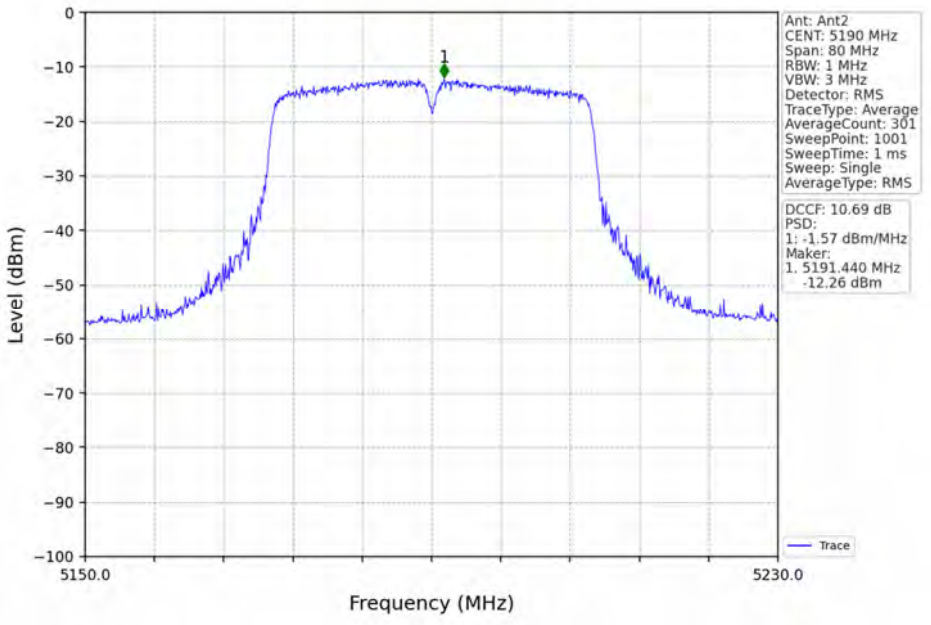

802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



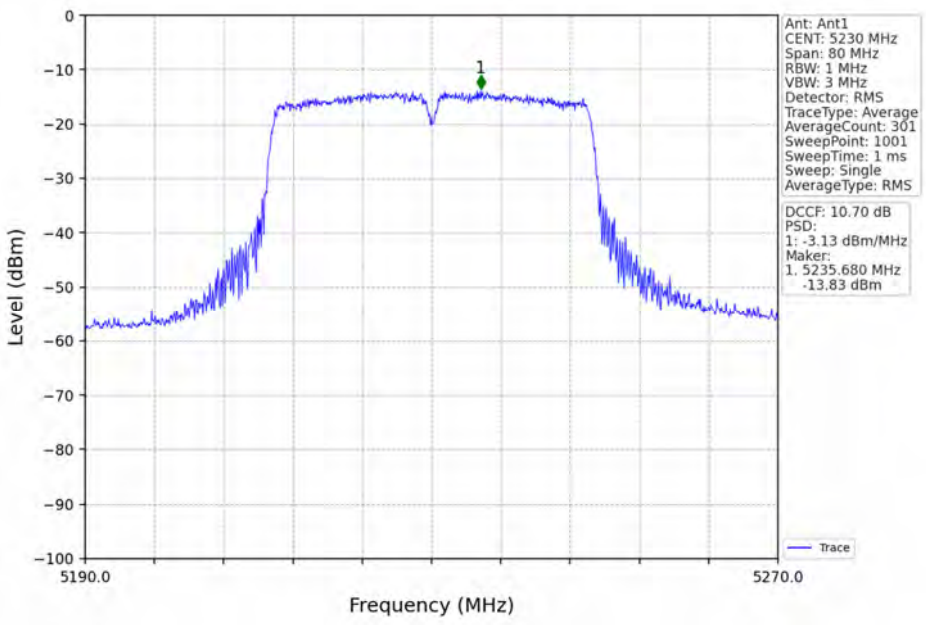
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



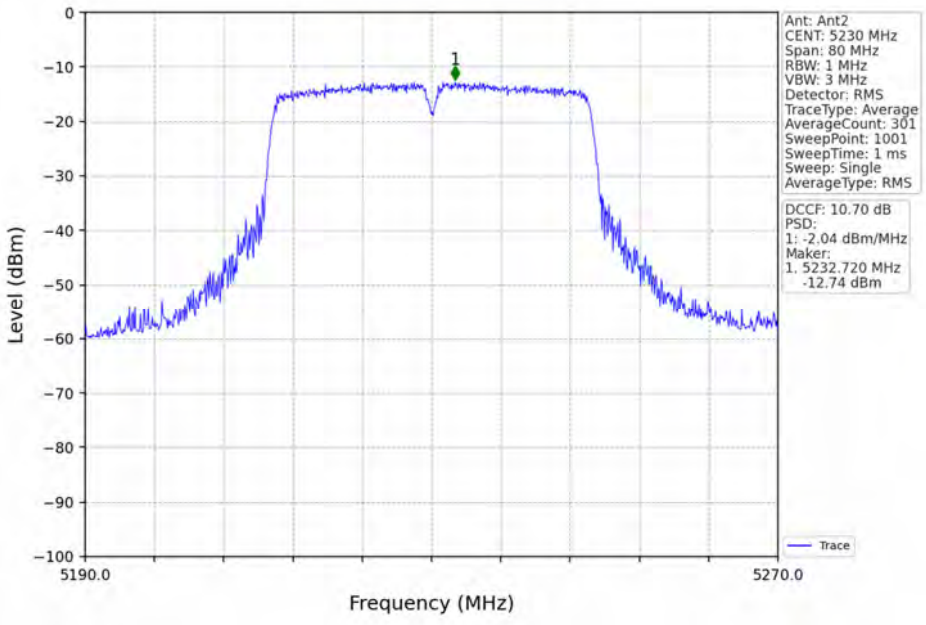

802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



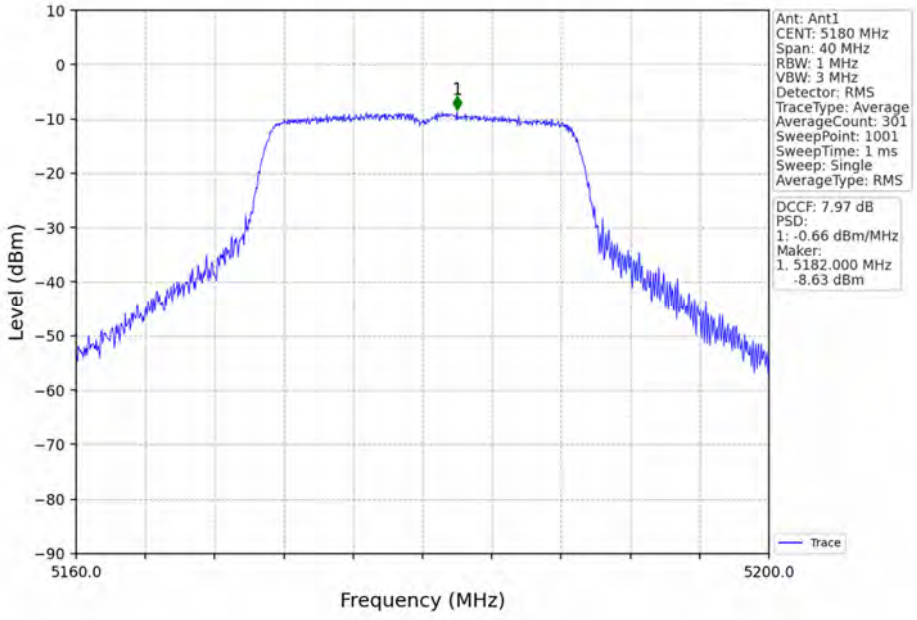
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



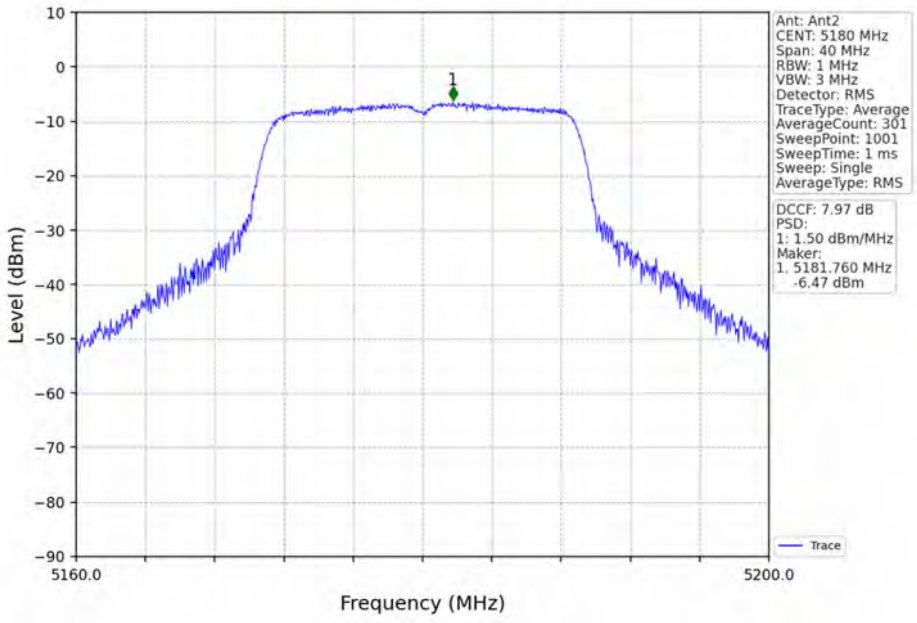

802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



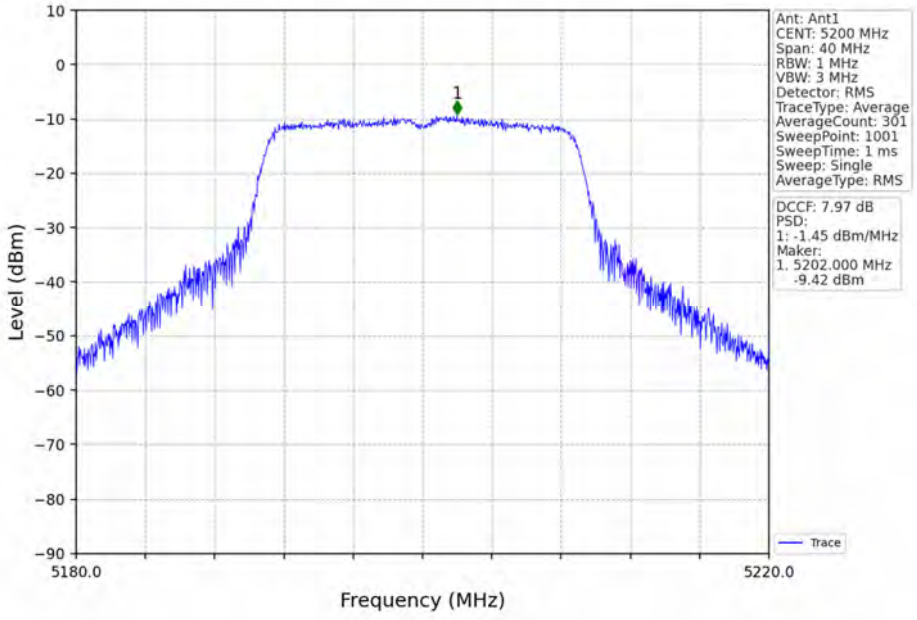
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



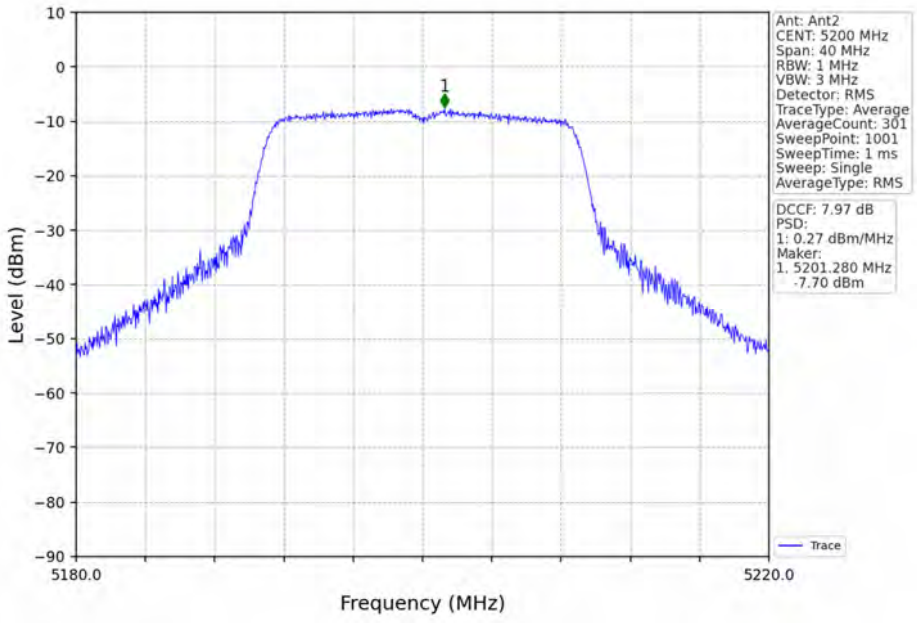

802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



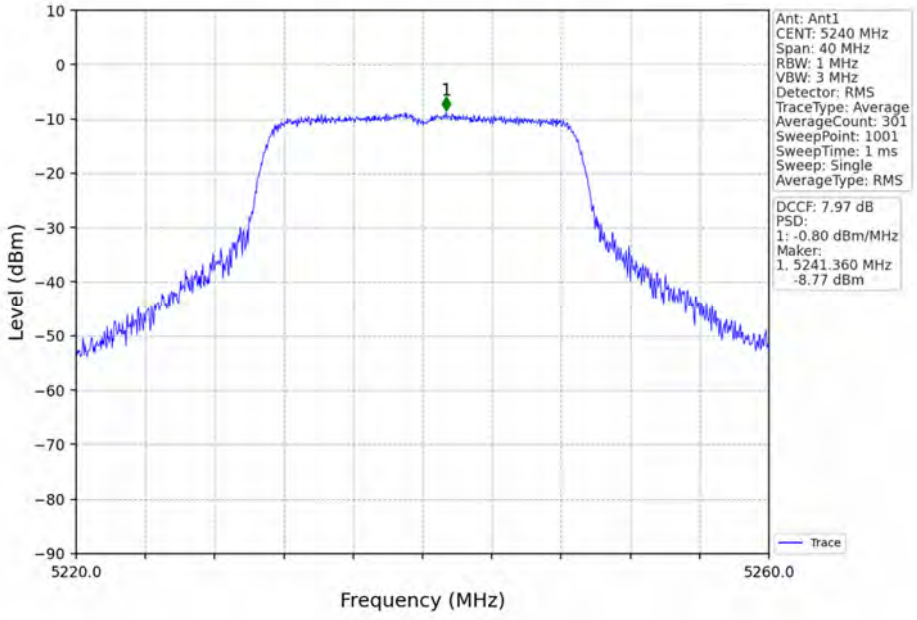
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



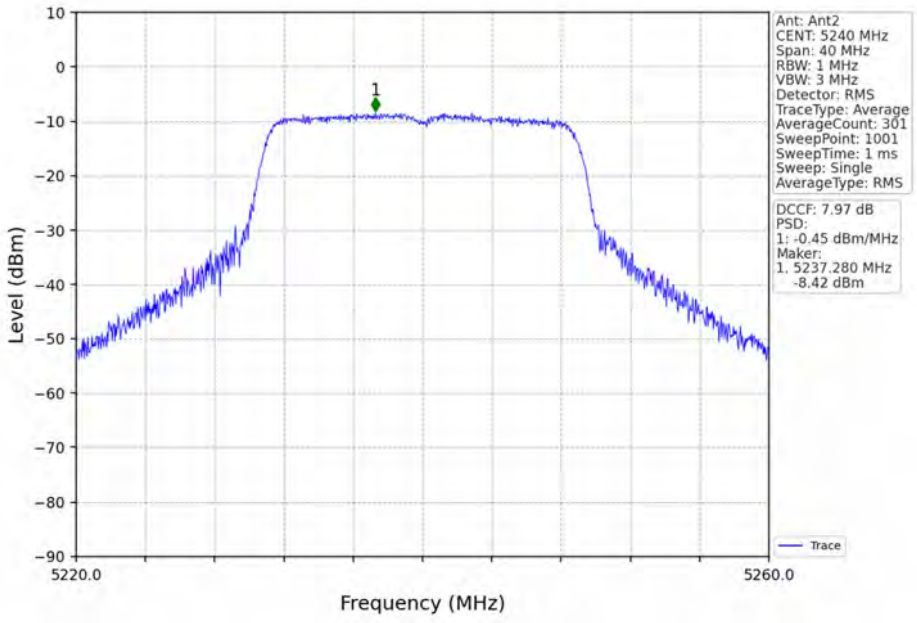

802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



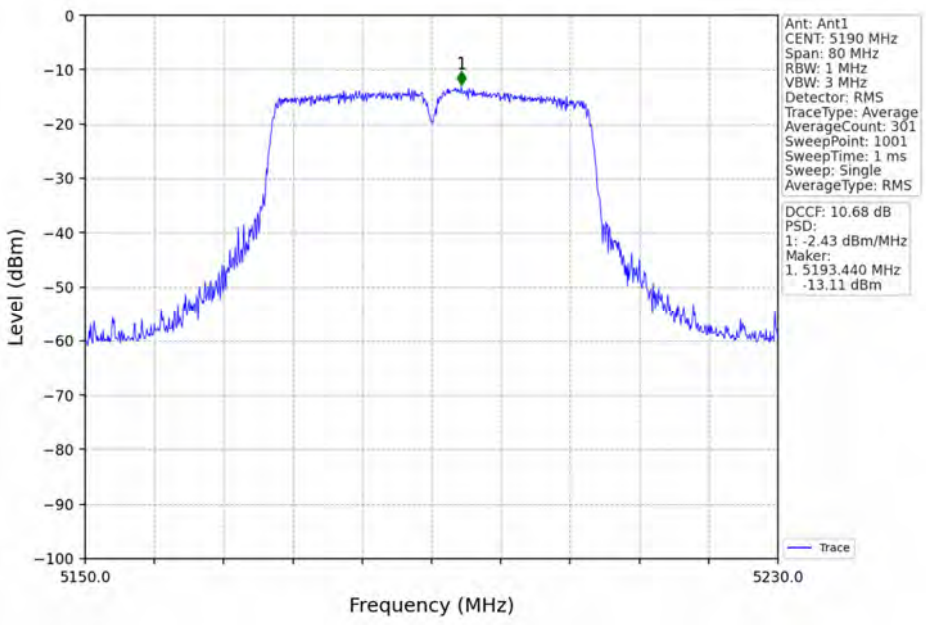
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



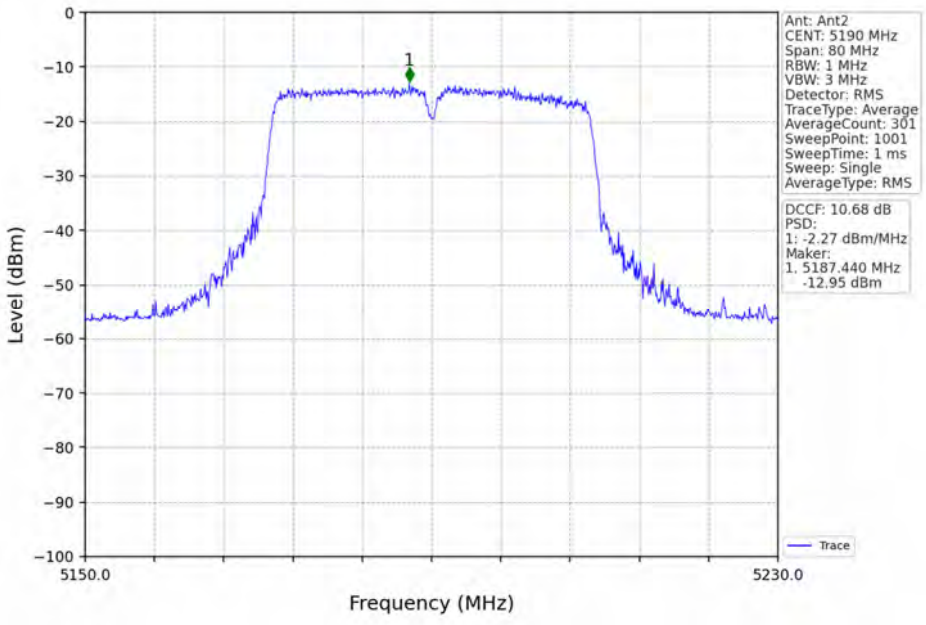

802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



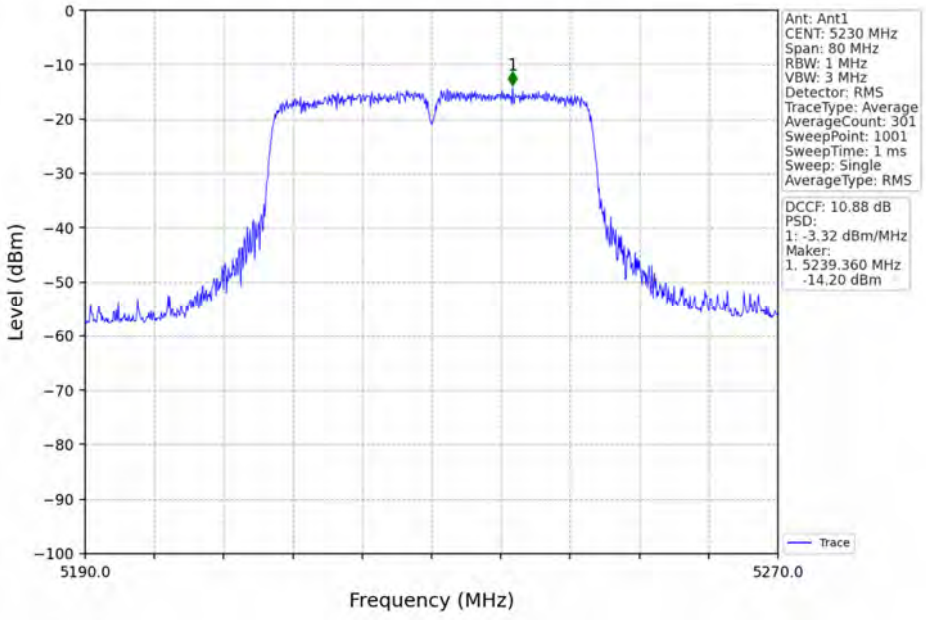
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



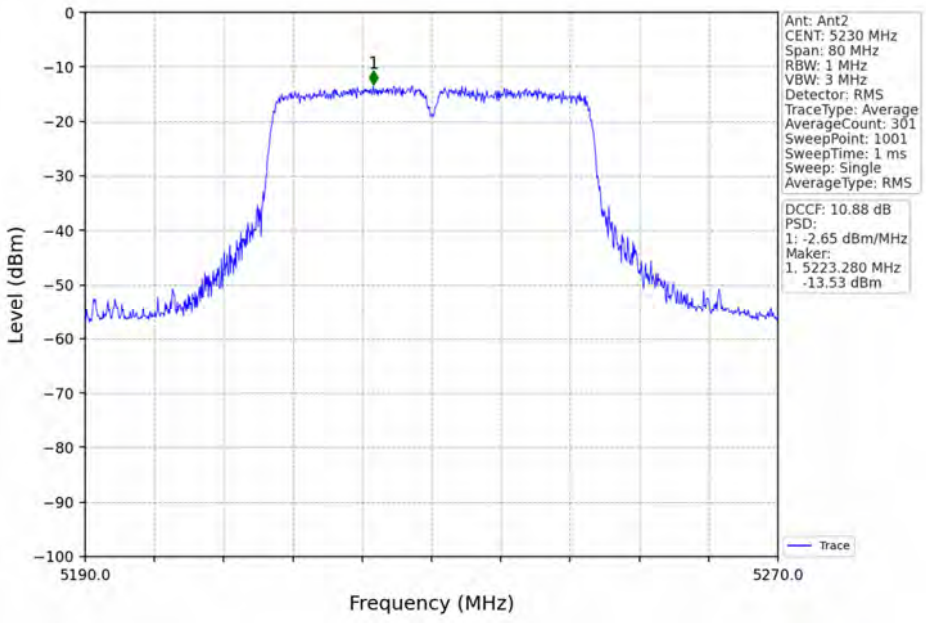

802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

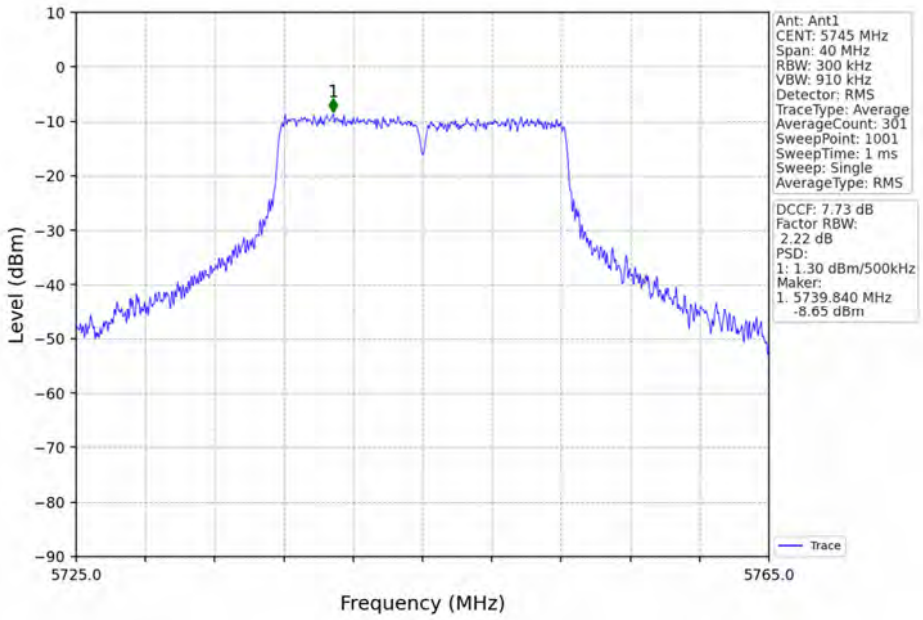



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

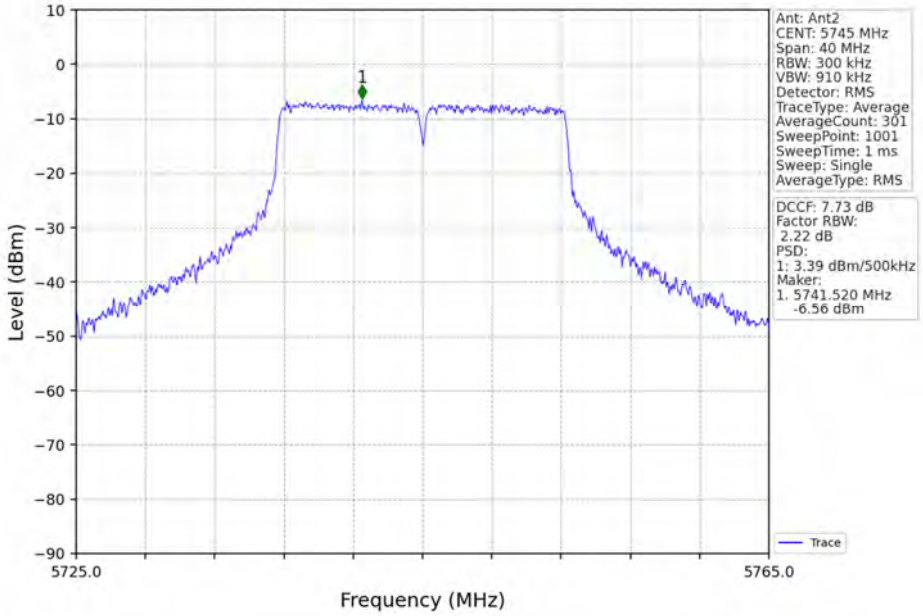


**4.2.2 PSD-Band3**

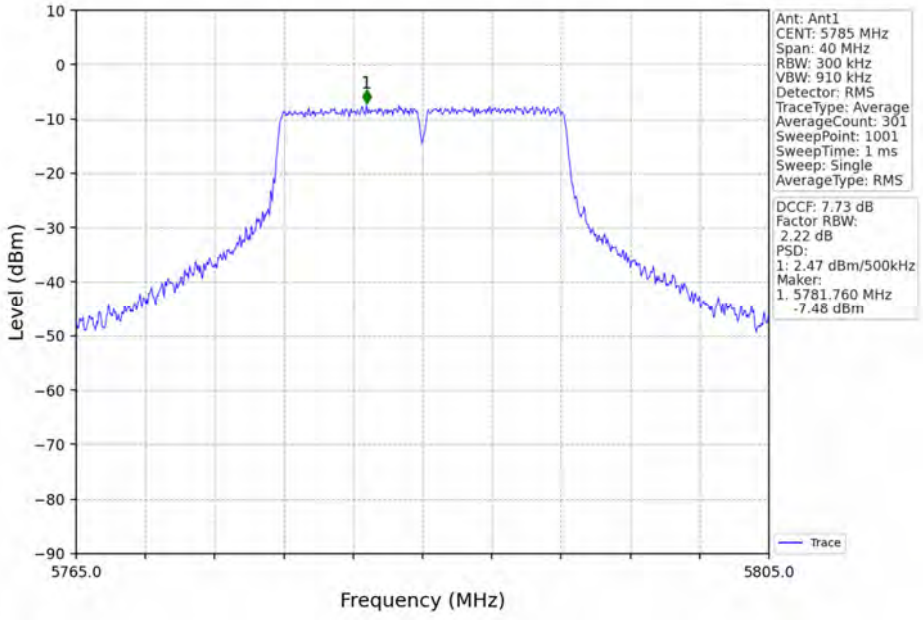
802.11a_LCH_5745MHz_Ant1_NTNV



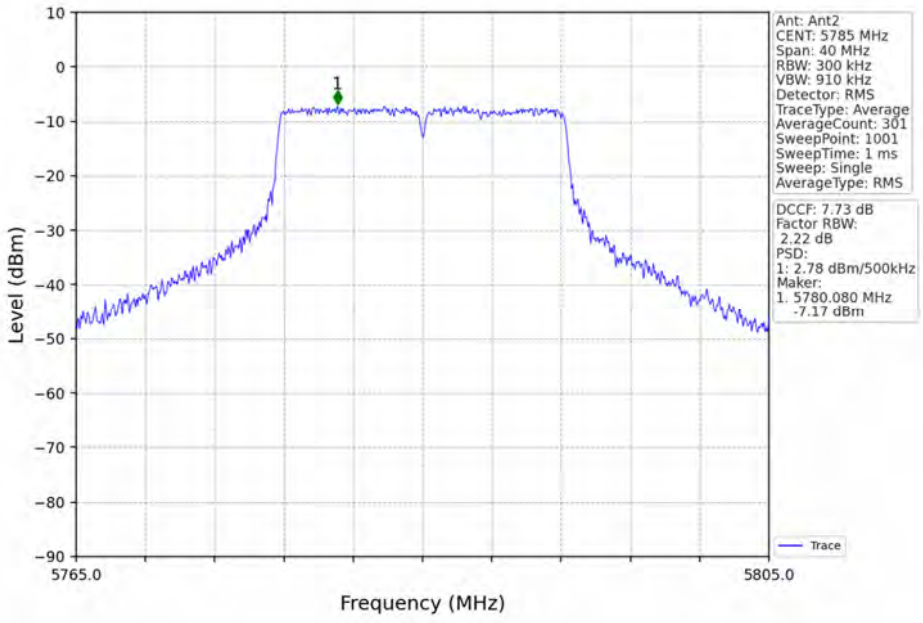

802.11a_LCH_5745MHz_Ant2_NTNV



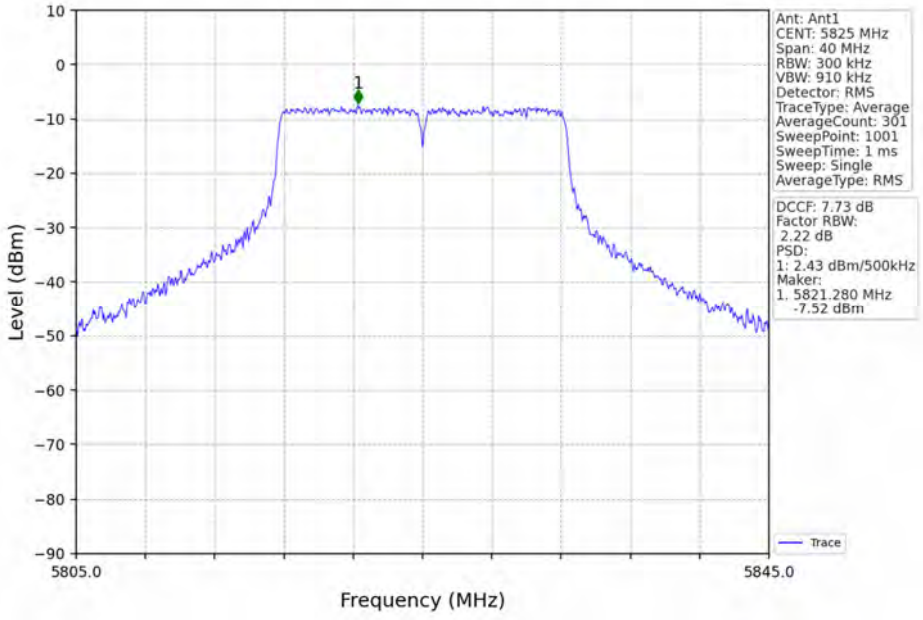
802.11a_MCH_5785MHz_Ant1_NTNV



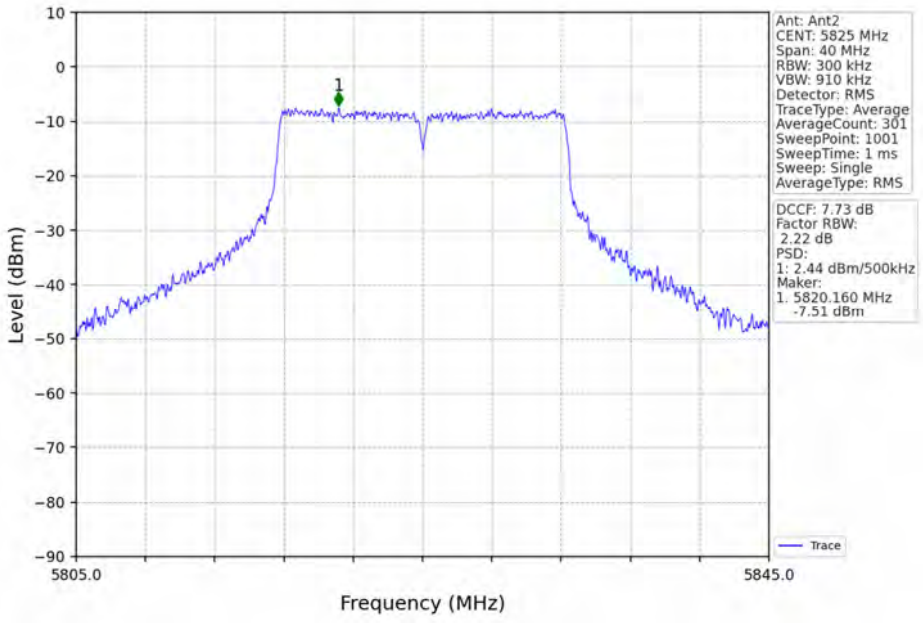

802.11a_MCH_5785MHz_Ant2_NTNV



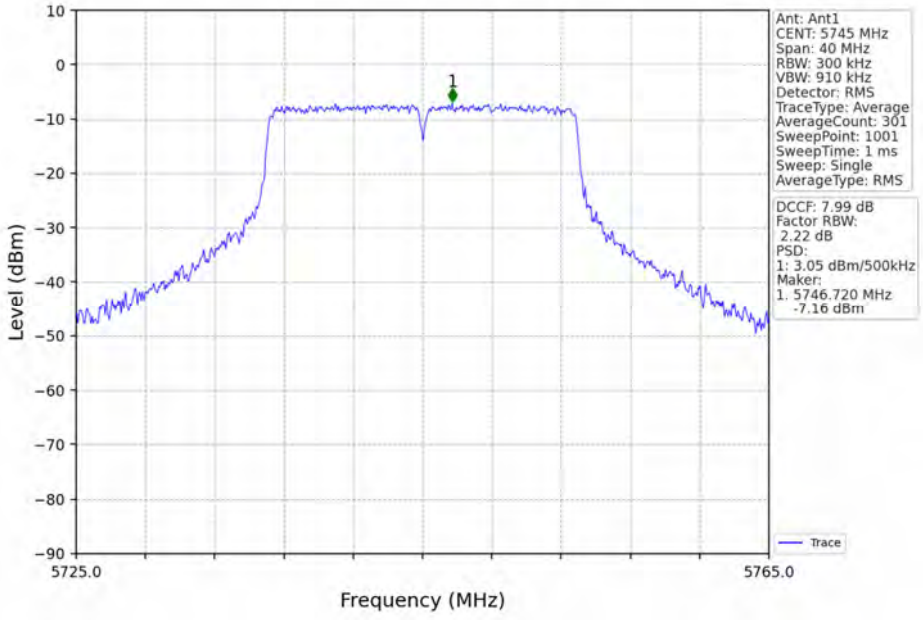
802.11a_HCH_5825MHz_Ant1_NTNV



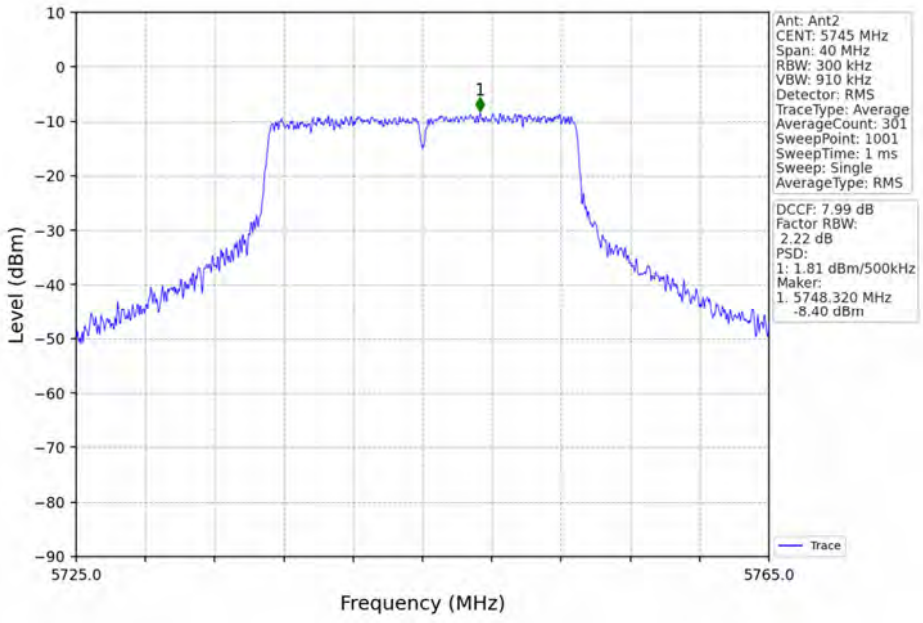

802.11a_HCH_5825MHz_Ant2_NTNV



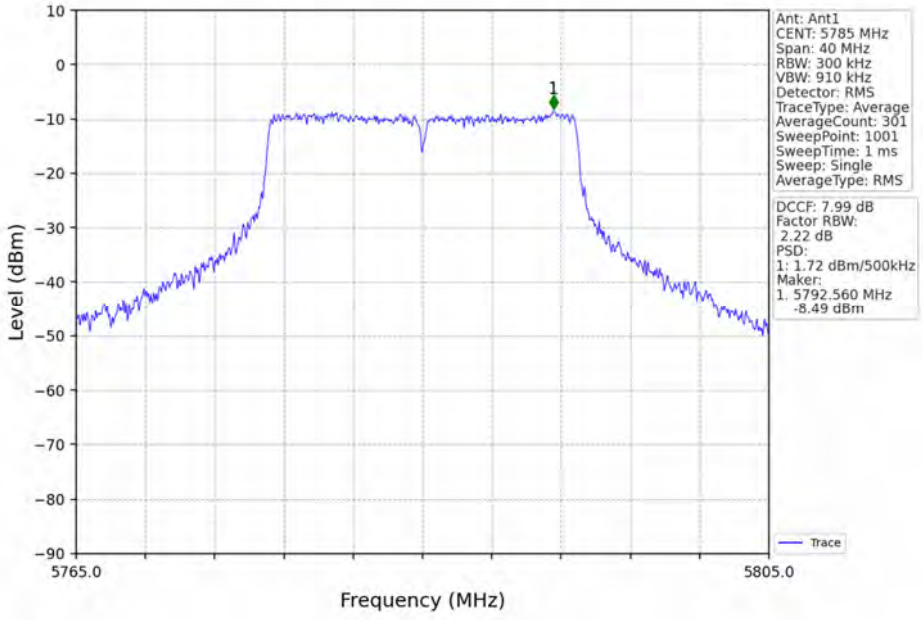
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



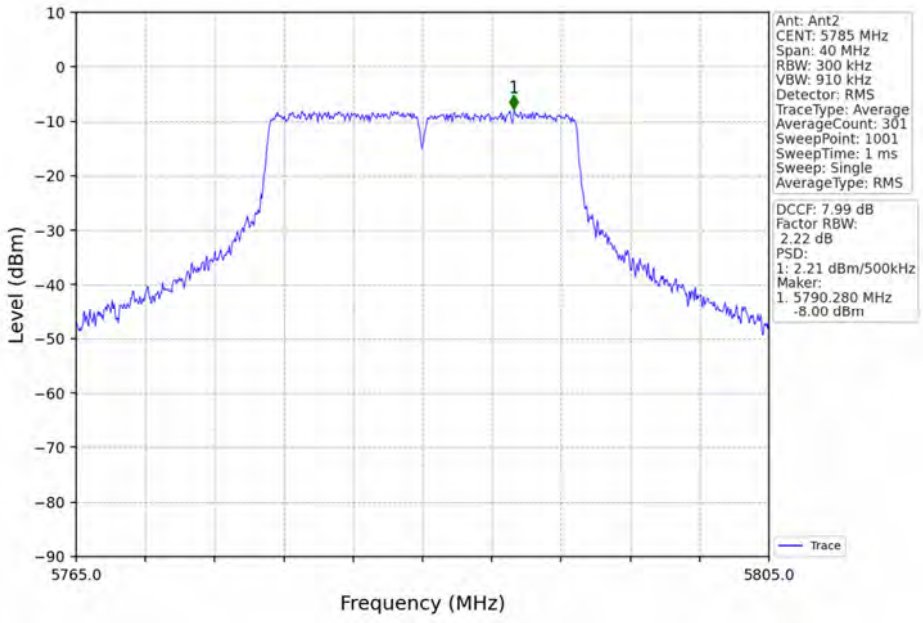

802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



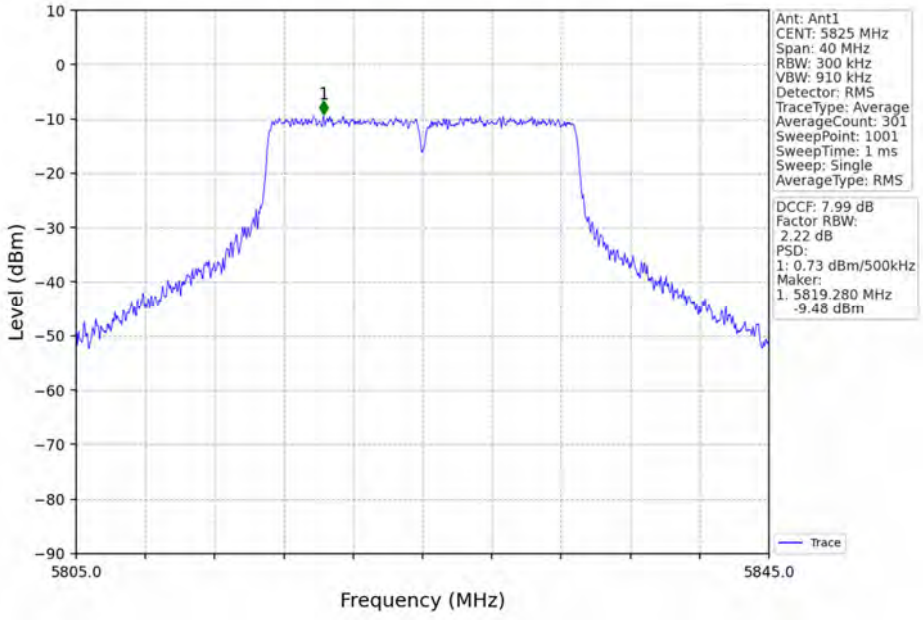
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



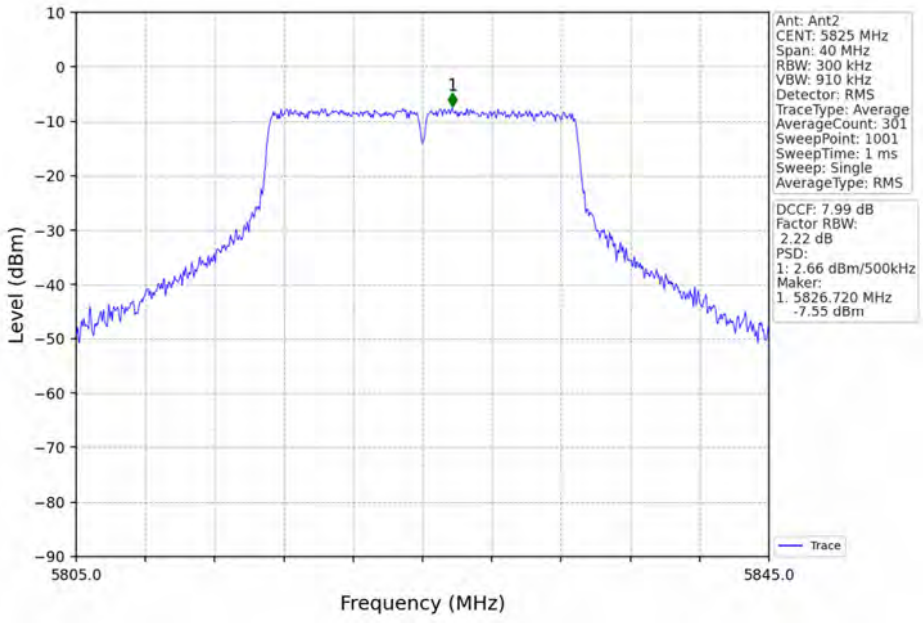

802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



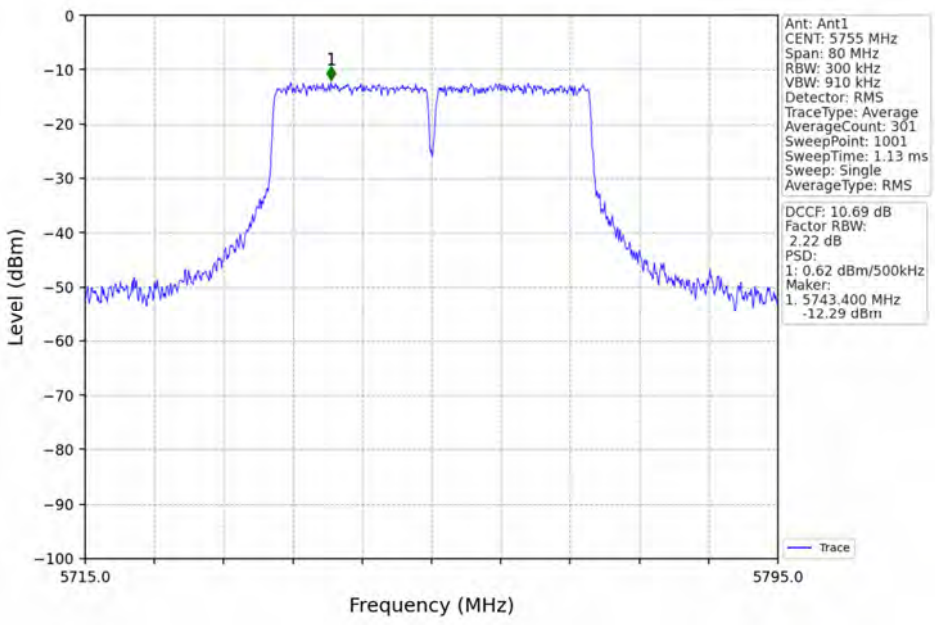
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



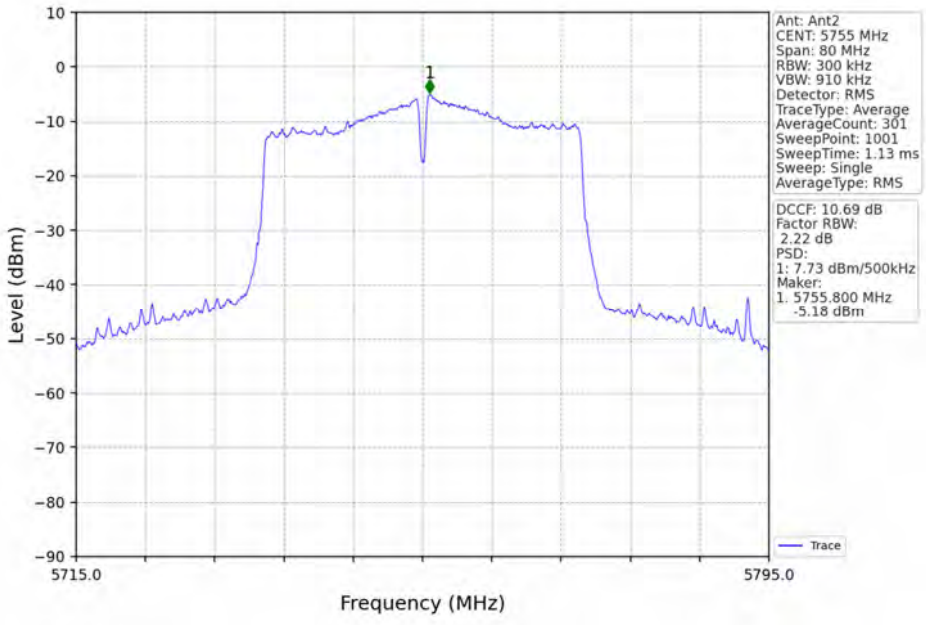

802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



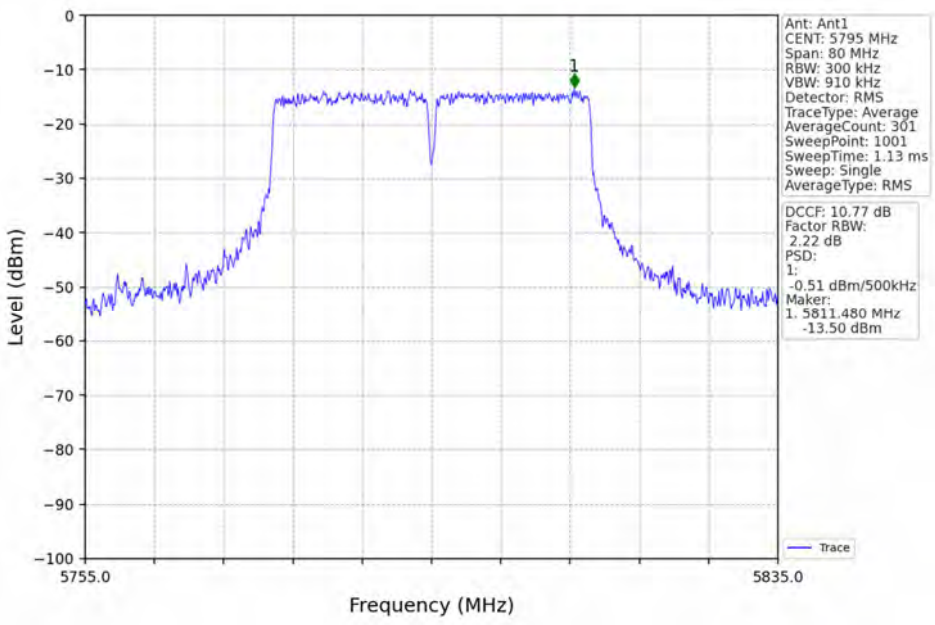
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



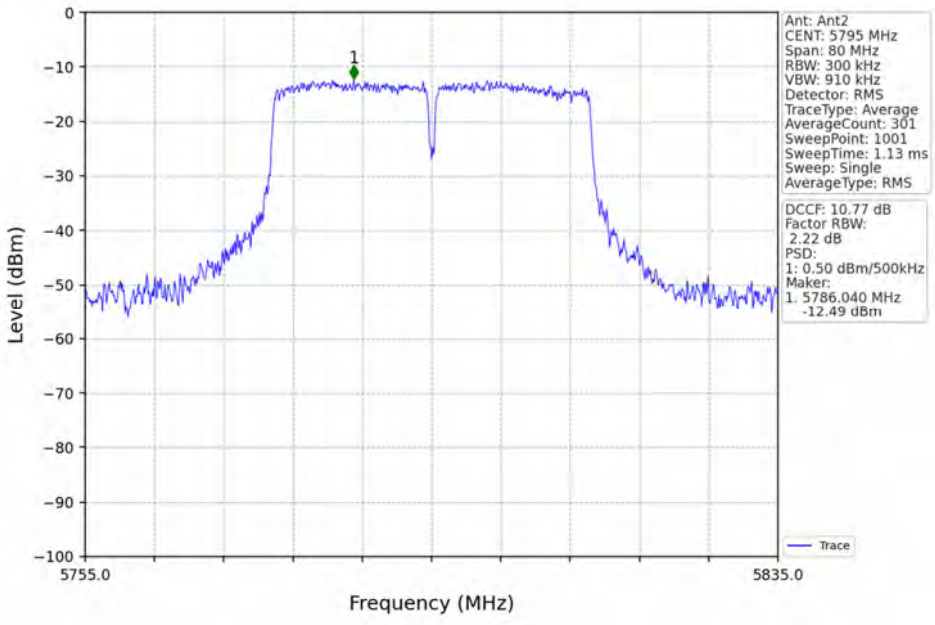

802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



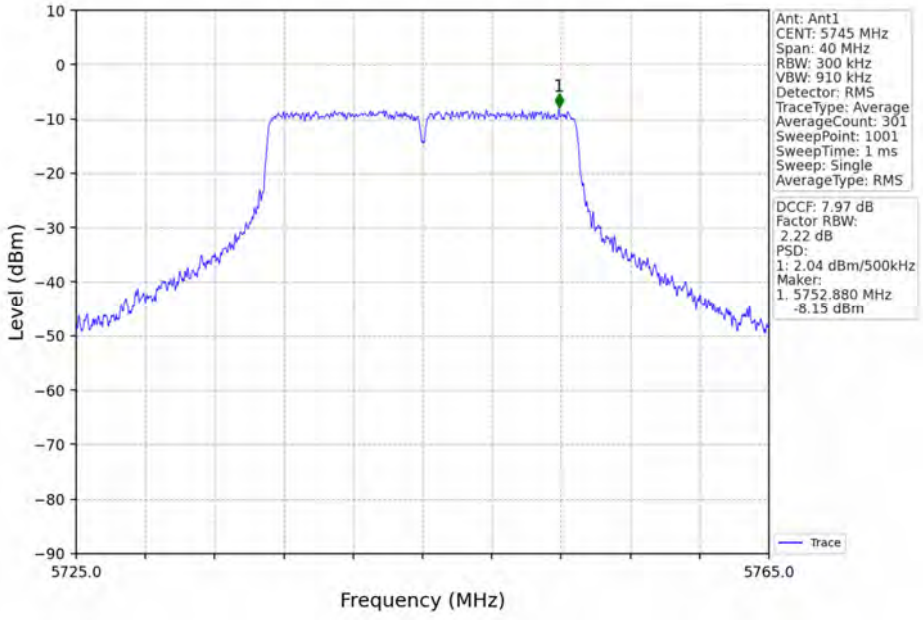
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



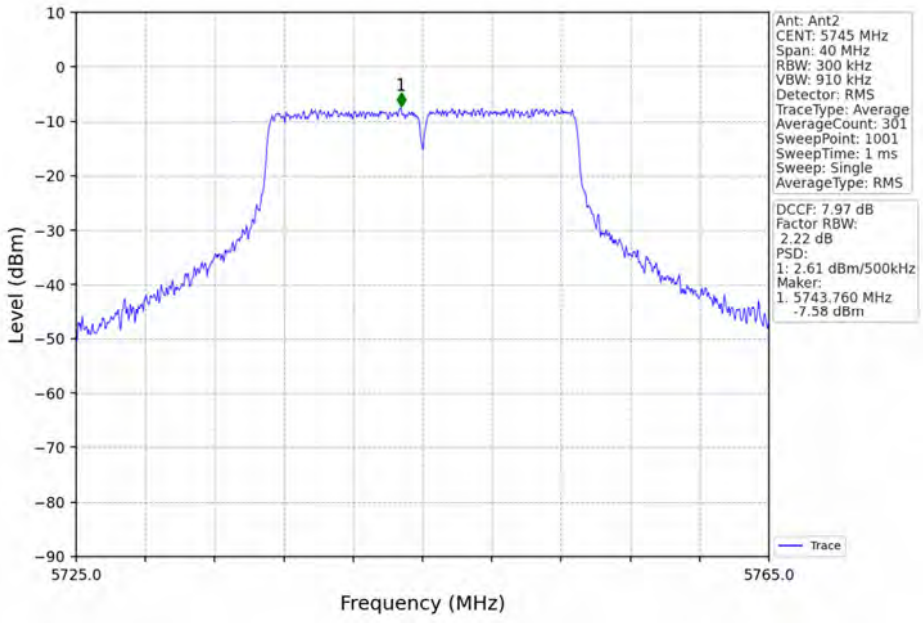

802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



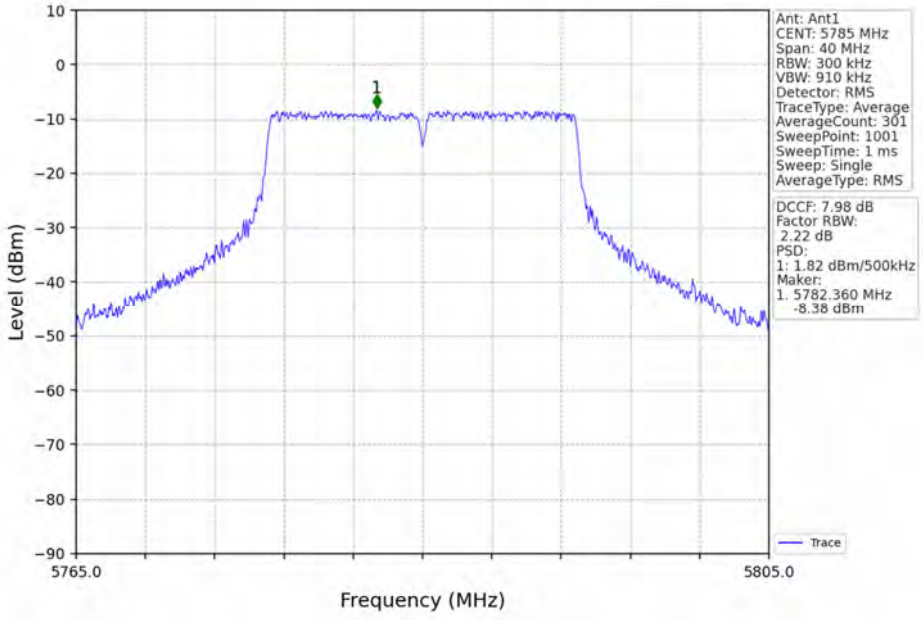
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



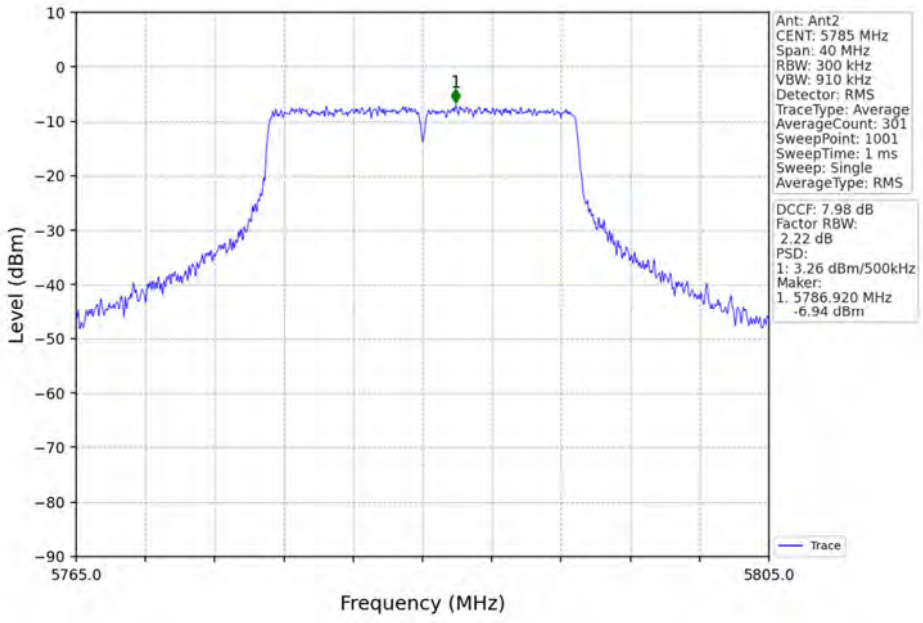

802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



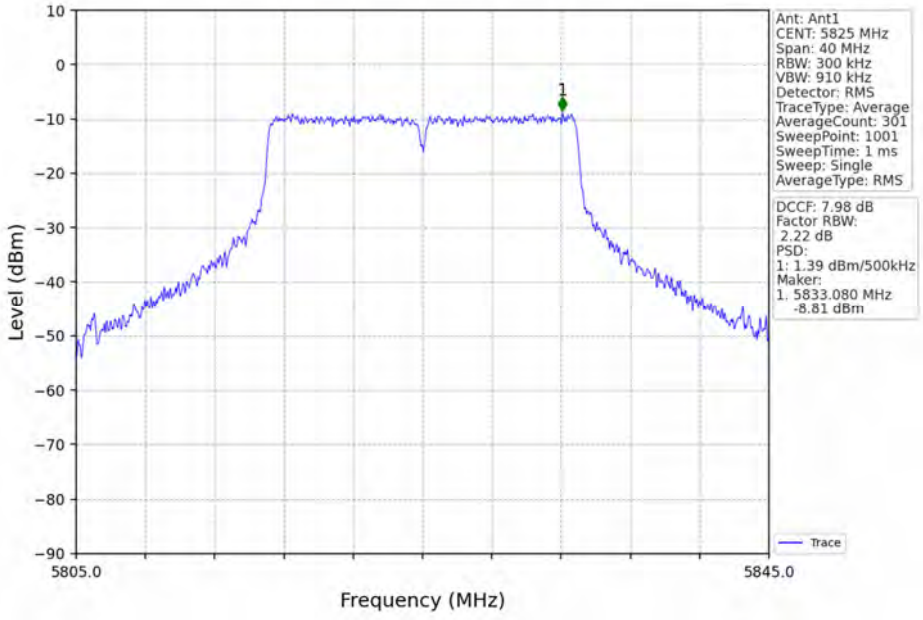
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



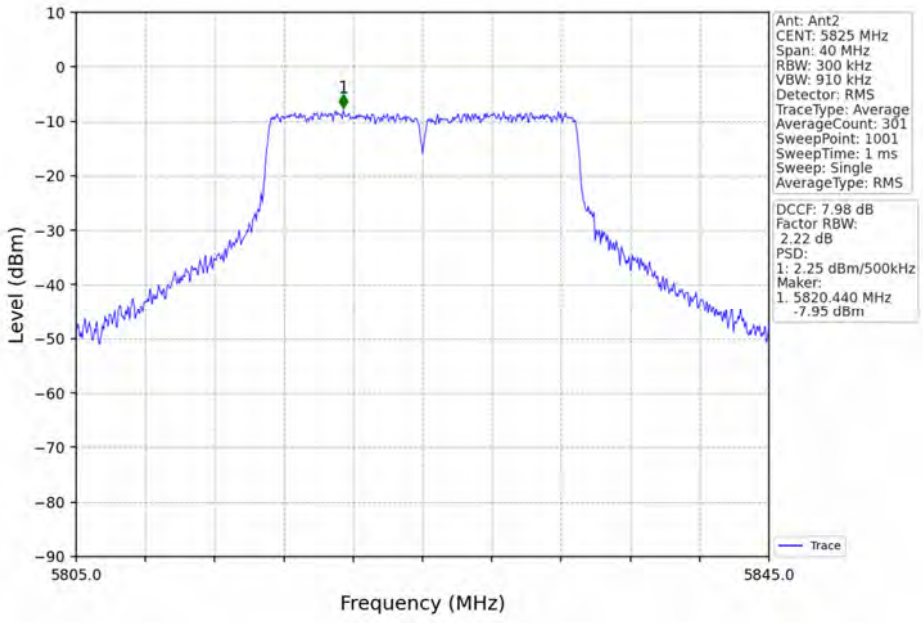

802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



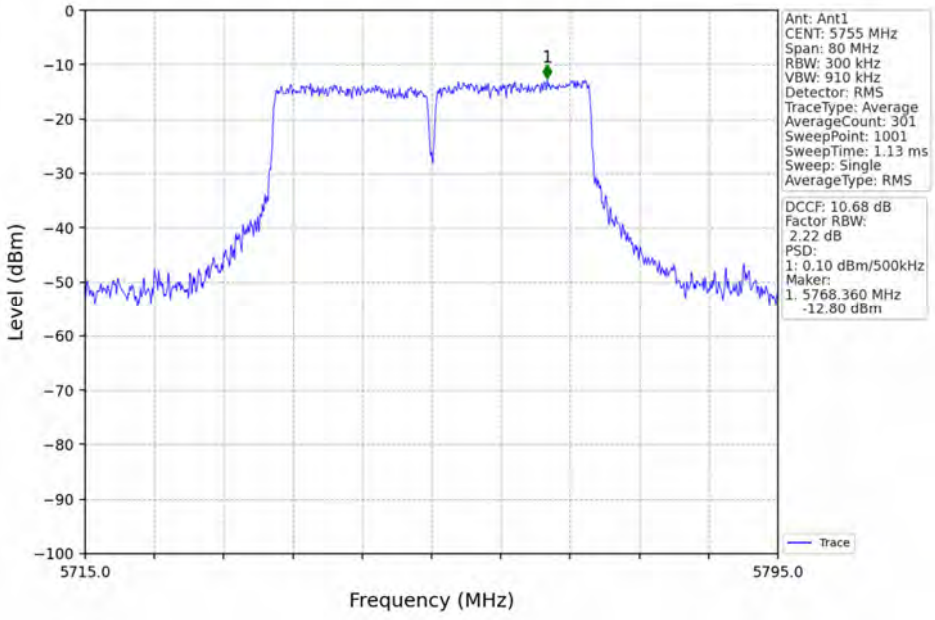
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



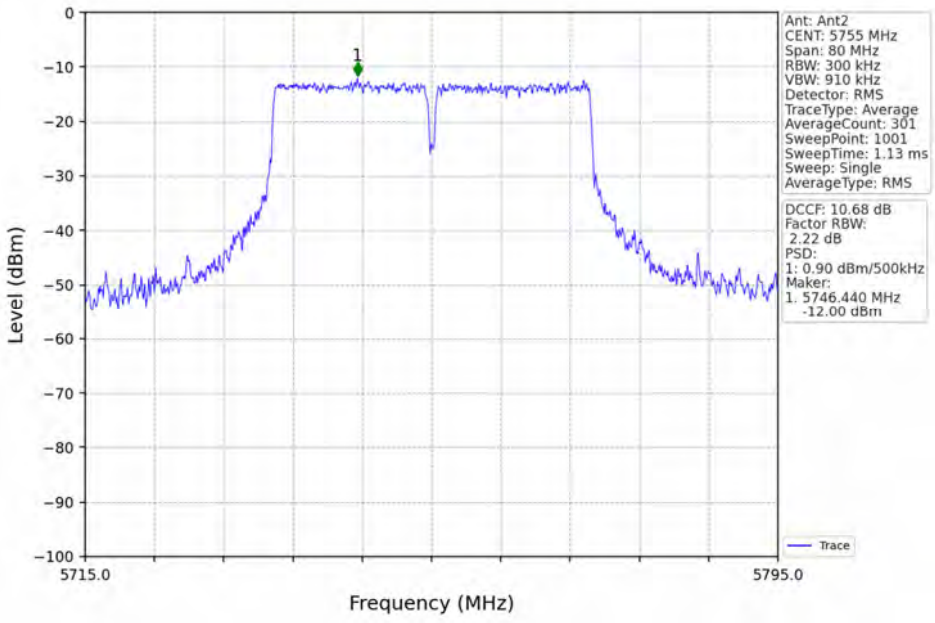

802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



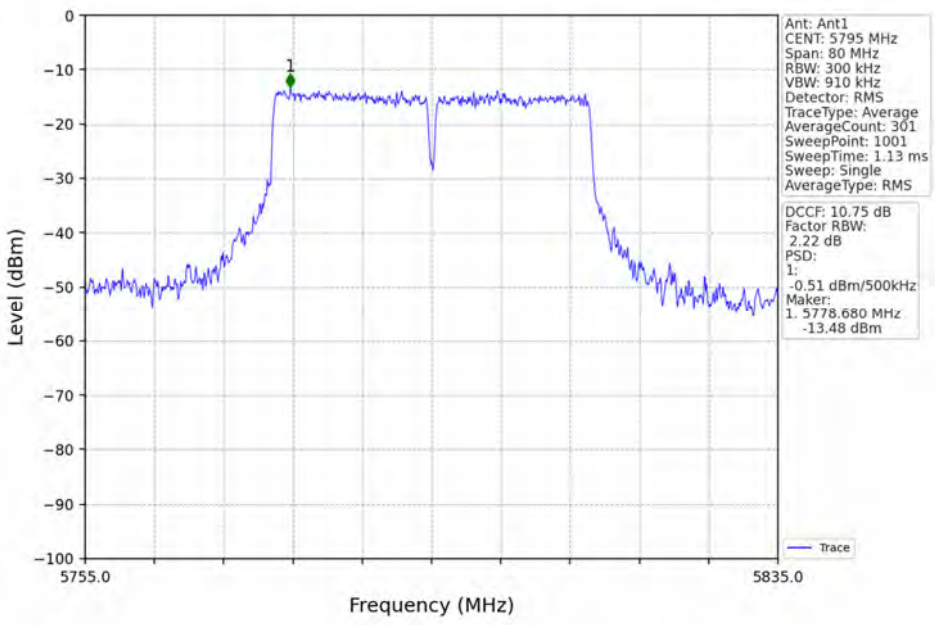
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



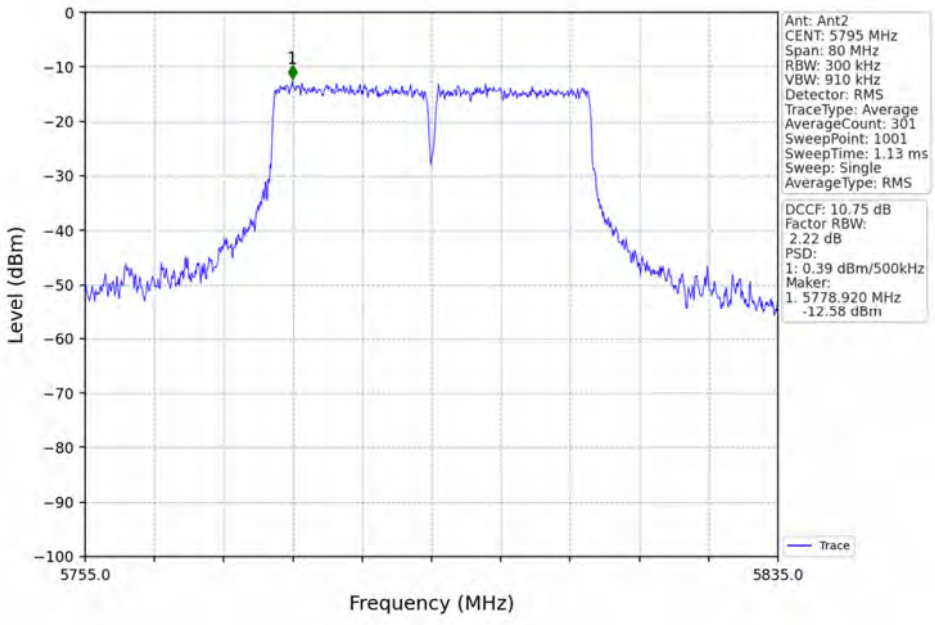

802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV




802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



## 5. Frequency Stability

### 5.1 Test Result

#### 5.1.1 Ant1

| Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mode | TX Type | Frequency (MHz) | RU | RU Pos | Temperature (°C) | Voltage (VAC) | Measured Frequency (MHz) | Limit (MHz) | Verdict |
| 802.11a | SISO | 5180 | / | / | 20 | 102 | 5180.040 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5180.040 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5179.960 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5180.040 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5180.000 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5179.980 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5180.000 | 5150 to 5250 | Pass |
| | | 5200 | / | / | 20 | 102 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5199.900 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5199.960 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5199.960 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5199.960 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5199.960 | 5150 to 5250 | Pass |
| | | 5240 | / | / | 20 | 102 | 5239.980 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5239.940 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5239.980 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5240.060 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5240.020 | 5150 to 5250 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 5745 | / | / | 20 | 102 | 5745.000 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5745.000 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5744.960 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5744.900 | 5725 to 5850 | Pass |
| | | 5785 | / | / | 20 | 102 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5784.940 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5785.040 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5785.040 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5784.940 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5785.060 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5785.020 | 5725 to 5850 | Pass |
| | | 5825 | / | / | 20 | 102 | 5824.960 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5824.960 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5824.940 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5824.980 | 5725 to 5850 | Pass |
| 802.11n (HT20) | SISO | 5180 | / | / | 20 | 102 | 5180.100 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5179.980 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5180.000 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5180.000 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5180.100 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5179.960 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5179.980 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5180.120 | 5150 to 5250 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 50 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | 5200 | / | / | 20 | 102 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5199.900 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5200.060 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5200.040 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5200.020 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5199.960 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5199.940 | 5150 to 5250 | Pass |
| | | 5240 | / | / | 20 | 102 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5239.960 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5240.040 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5239.960 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5239.960 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5240.060 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5240.000 | 5150 to 5250 | Pass |
| | | 5745 | / | / | 20 | 102 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5744.960 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | 5785 | / | / | 20 | 102 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5785.020 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5784.940 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5784.940 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5785.060 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5785.040 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5785.060 | 5725 to 5850 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 40 | 120 | 5785.020 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | 5825 | / | / | 20 | 102 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5825.040 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5825.000 | 5725 to 5850 | Pass |
| 802.11n (HT40) | SISO | 5190 | / | / | 20 | 102 | 5190.000 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5190.000 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5190.080 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5190.040 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5190.040 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5190.120 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5190.080 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5190.120 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5190.040 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5190.040 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5190.120 | 5150 to 5250 | Pass |
| | | 5230 | / | / | 20 | 102 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5230.120 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | 5755 | / | / | 20 | 102 | 5755.000 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5755.080 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5755.120 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5755.080 | 5725 to 5850 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 30 | 120 | 5755.120 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5755.120 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | 5795 | / | / | 20 | 102 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5795.080 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5795.080 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5795.080 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5794.960 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5795.080 | 5725 to 5850 | Pass |
| 802.11ac (VHT20) | SISO | 5180 | / | / | 20 | 102 | 5180.060 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5179.940 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5180.020 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5180.040 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5180.040 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5180.080 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5180.060 | 5150 to 5250 | Pass |
| | | 5200 | / | / | 20 | 102 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5200.040 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5200.060 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5200.020 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5200.020 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5200.000 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5199.980 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5200.020 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5200.060 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5200.040 | 5150 to 5250 | Pass |
| | | 5240 | / | / | 20 | 102 | 5240.060 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5239.920 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5239.980 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5239.980 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5240.000 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5240.000 | 5150 to 5250 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 120 | 5239.960 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5239.980 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5240.020 | 5150 to 5250 | Pass |
| | | 5745 | / | / | 20 | 102 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5744.940 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5744.960 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5745.040 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5745.020 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5744.980 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5745.000 | 5725 to 5850 | Pass |
| | | 5785 | / | / | 20 | 102 | 5785.000 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5785.020 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5785.020 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5784.940 | 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 | 5784.980 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5785.000 | 5725 to 5850 | Pass |
| | | 5825 | / | / | 20 | 102 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5824.960 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5824.920 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5825.000 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5824.980 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5825.020 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5825.000 | 5725 to 5850 | Pass |
| 802.11ac (VHT40) | SISO | 5190 | / | / | 20 | 102 | 5190.000 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5190.040 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5189.960 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5190.120 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5190.000 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5190.040 | 5150 to 5250 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | 120 | 5190.040 | 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 |
| | | | | | 50 | 120 | 5190.080 | 5150 to 5250 | Pass |
| | | 5230 | / | / | 20 | 102 | 5230.120 | 5150 to 5250 | Pass |
| | | | | | | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | | 138 | 5230.000 | 5150 to 5250 | Pass |
| | | | | | -30 | 120 | 5230.120 | 5150 to 5250 | Pass |
| | | | | | -20 | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | -10 | 120 | 5230.000 | 5150 to 5250 | Pass |
| | | | | | 0 | 120 | 5230.000 | 5150 to 5250 | Pass |
| | | | | | 10 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | 30 | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | | | | 40 | 120 | 5230.080 | 5150 to 5250 | Pass |
| | | | | | 50 | 120 | 5230.040 | 5150 to 5250 | Pass |
| | | 5755 | / | / | 20 | 102 | 5755.080 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5755.000 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5755.080 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5755.000 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5754.960 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5754.960 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5755.160 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5755.040 | 5725 to 5850 | Pass |
| | | 5795 | / | / | 20 | 102 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | | | 138 | 5795.000 | 5725 to 5850 | Pass |
| | | | | | -30 | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | | -20 | 120 | 5795.040 | 5725 to 5850 | Pass |
| | | | | | -10 | 120 | 5795.080 | 5725 to 5850 | Pass |
| | | | | | 0 | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | | 10 | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | | 30 | 120 | 5795.000 | 5725 to 5850 | Pass |
| | | | | | 40 | 120 | 5795.120 | 5725 to 5850 | Pass |
| | | | | | 50 | 120 | 5795.040 | 5725 to 5850 | Pass |

--------- End of Report -------