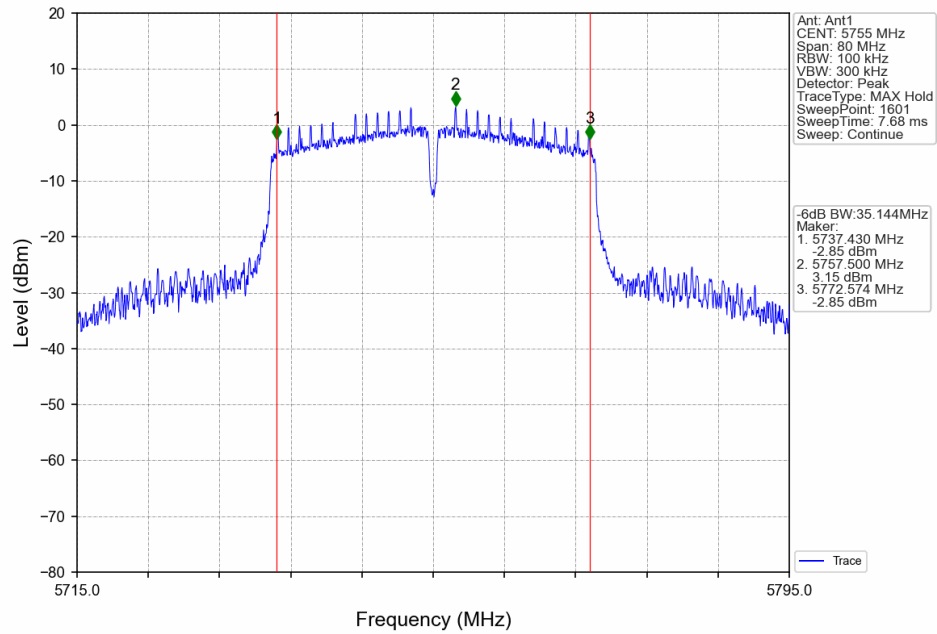
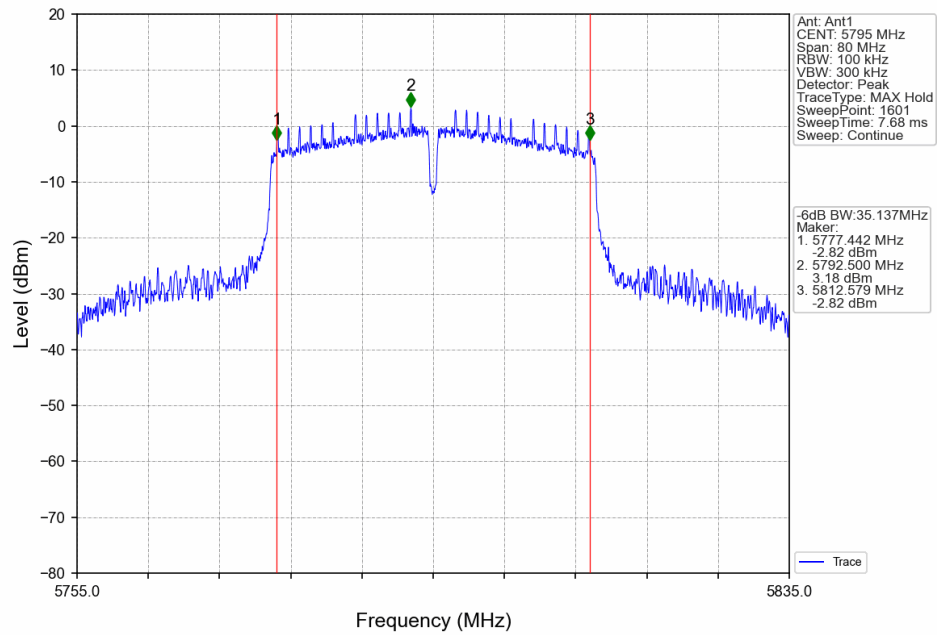


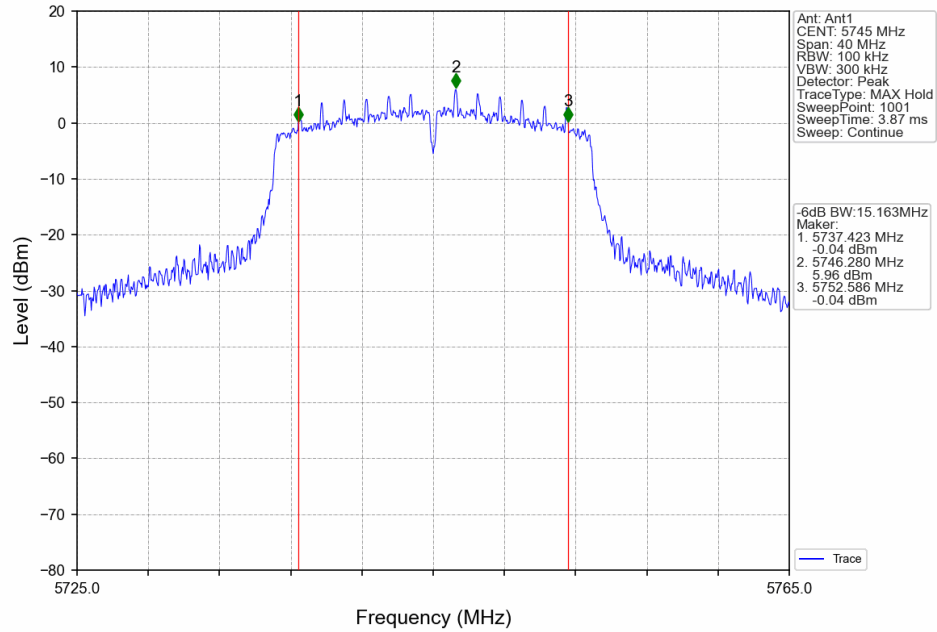
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



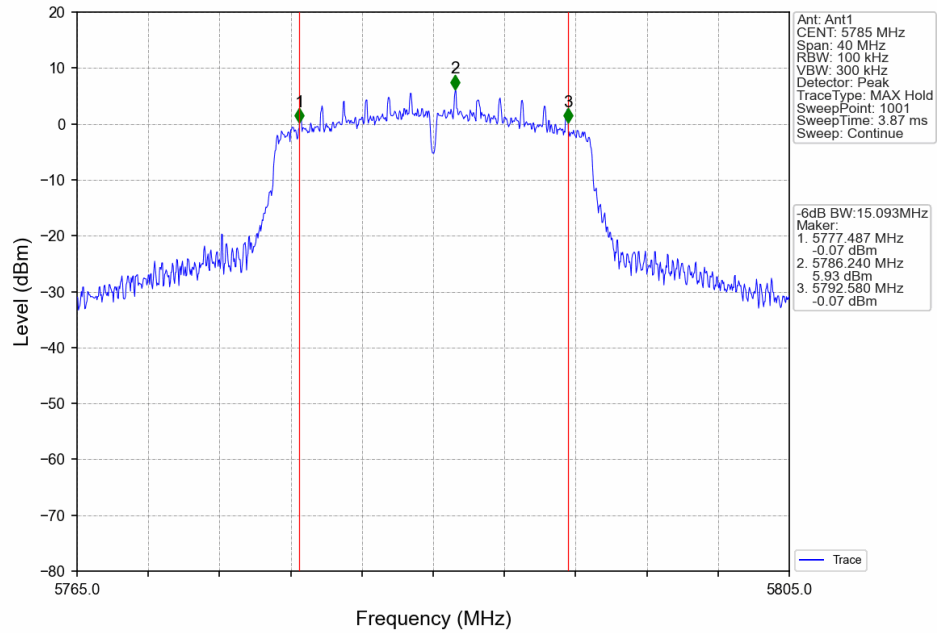
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



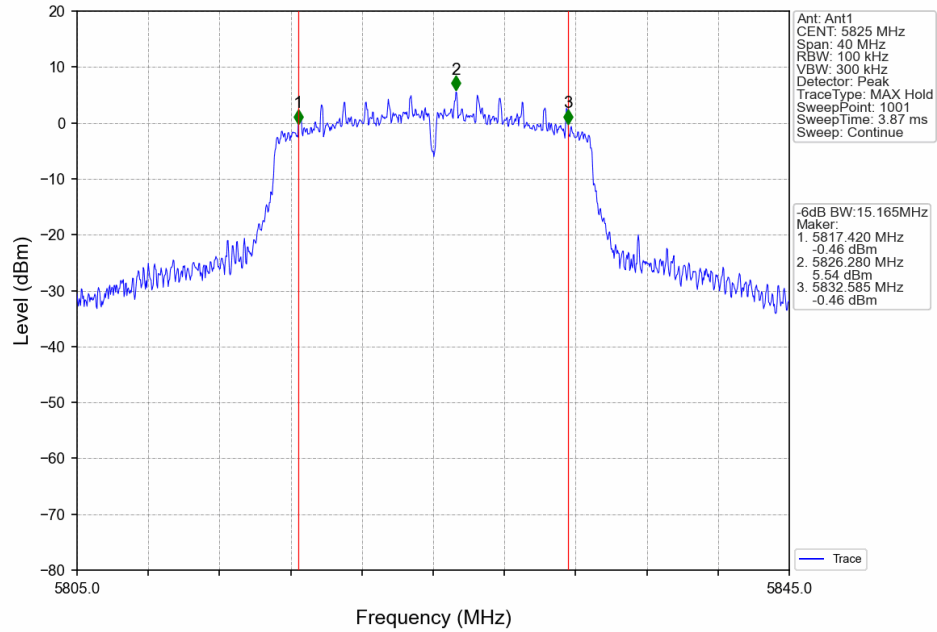
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



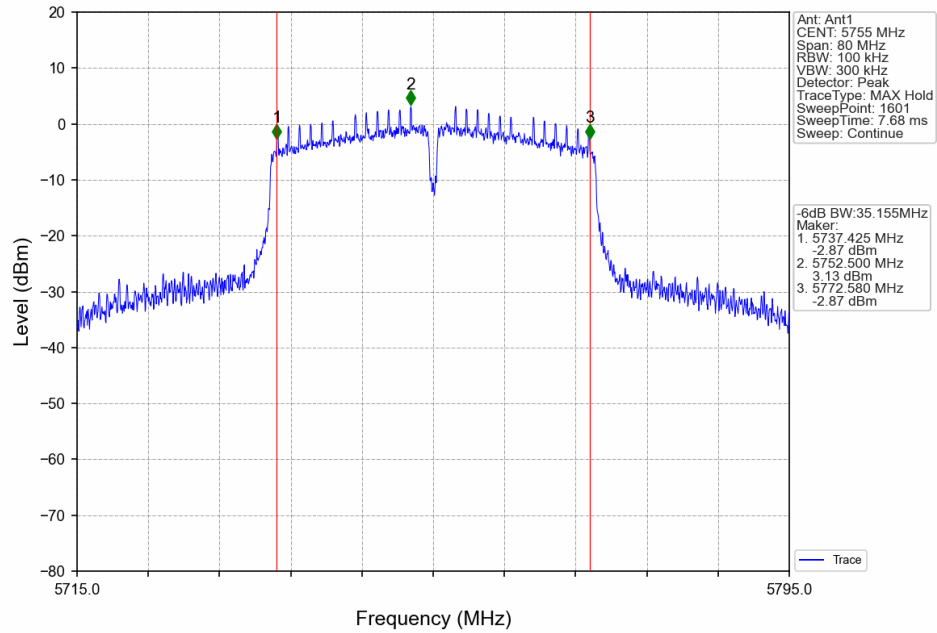
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



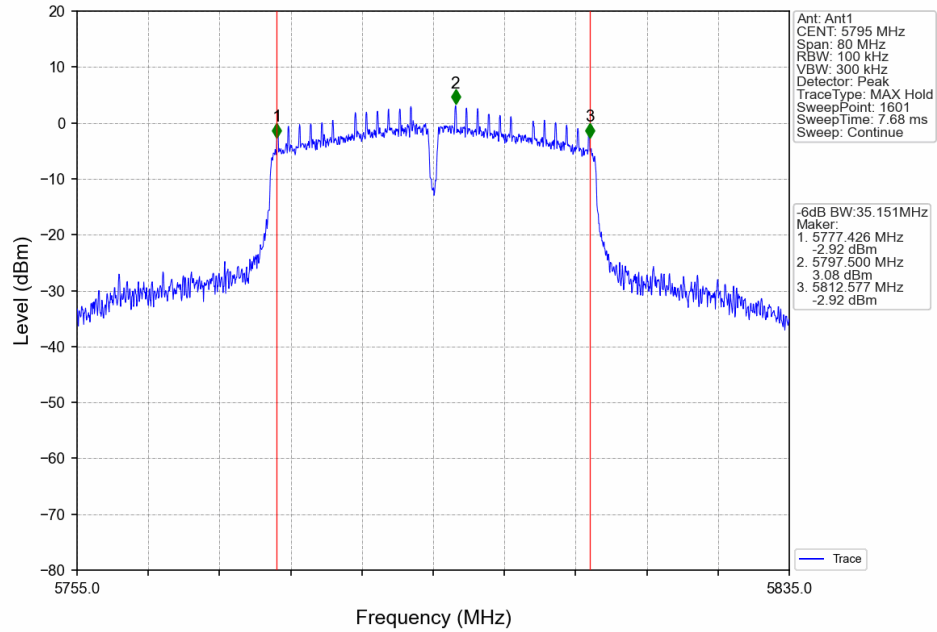
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



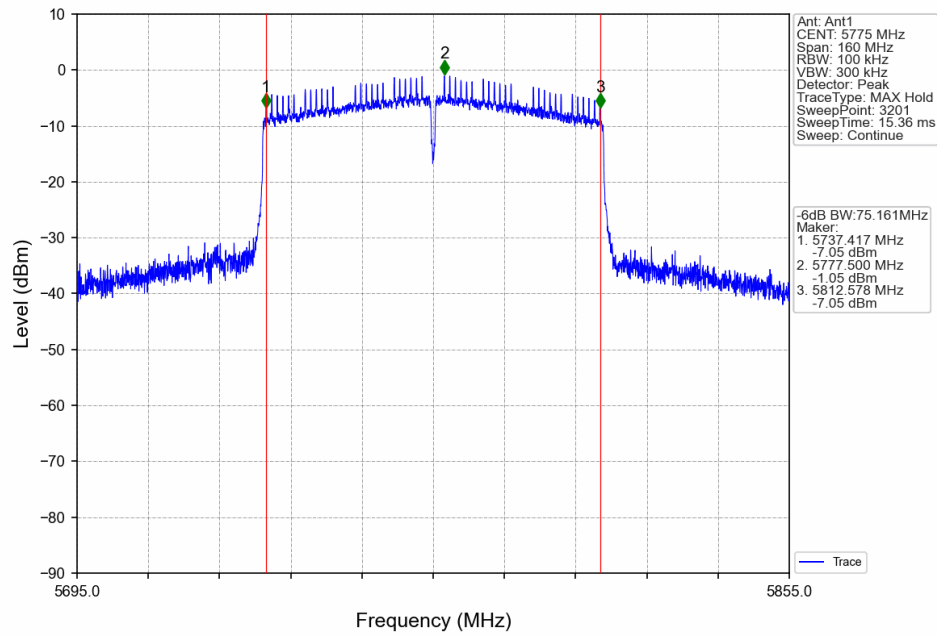
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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

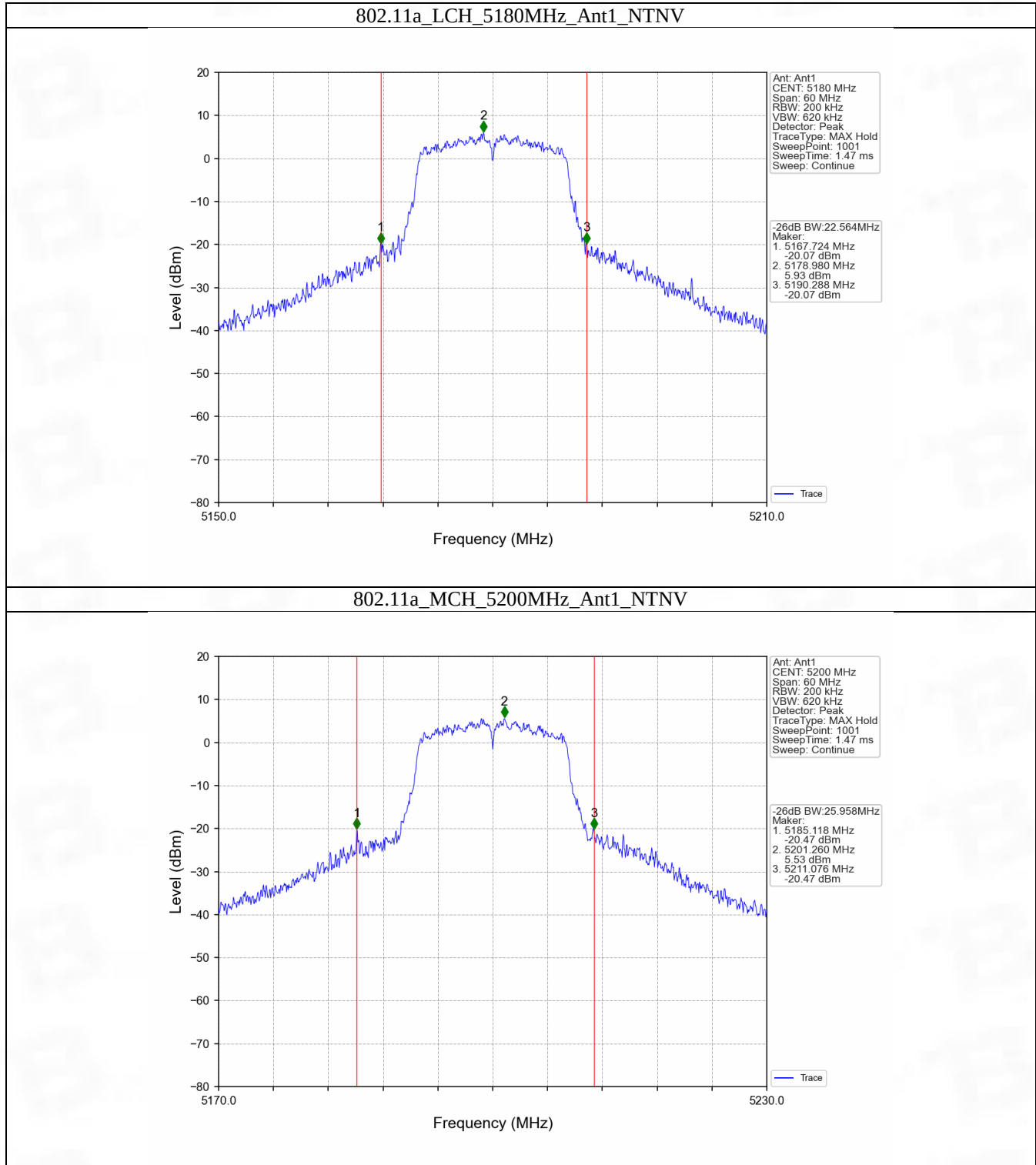


## 2.3 26dB BW

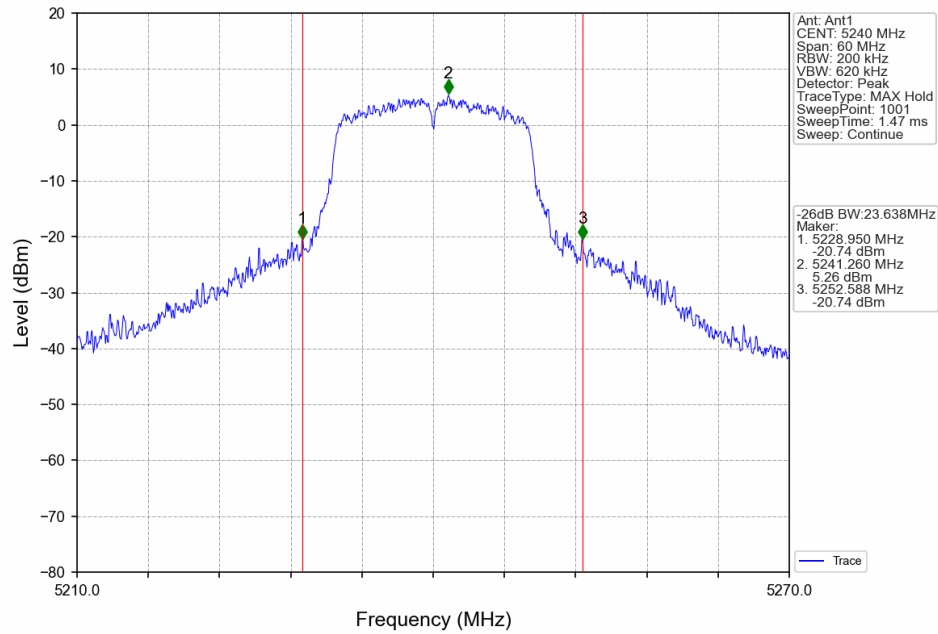
### 2.3.1 Test Result

| Mode             | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) | Verdict |
|------------------|---------|-----------------|-----|----------------------|---------|
|                  |         |                 |     | Result               |         |
| 802.11a          | SISO    | 5180            | 1   | 22.564               | Pass    |
|                  |         | 5200            | 1   | 25.958               | Pass    |
|                  |         | 5240            | 1   | 23.638               | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1   | 24.338               | Pass    |
|                  |         | 5200            | 1   | 23.068               | Pass    |
|                  |         | 5240            | 1   | 25.587               | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1   | 63.027               | Pass    |
|                  |         | 5230            | 1   | 46.997               | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1   | 20.575               | Pass    |
|                  |         | 5200            | 1   | 22.270               | Pass    |
|                  |         | 5240            | 1   | 23.340               | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1   | 46.955               | Pass    |
|                  |         | 5230            | 1   | 41.806               | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | 1   | 94.121               | Pass    |

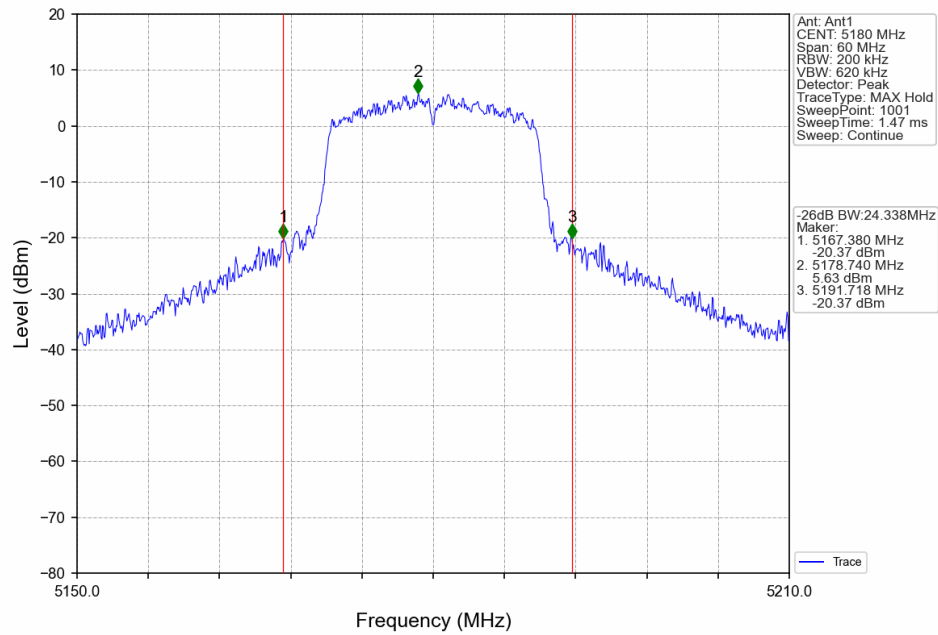
### 2.3.2 Test Graph



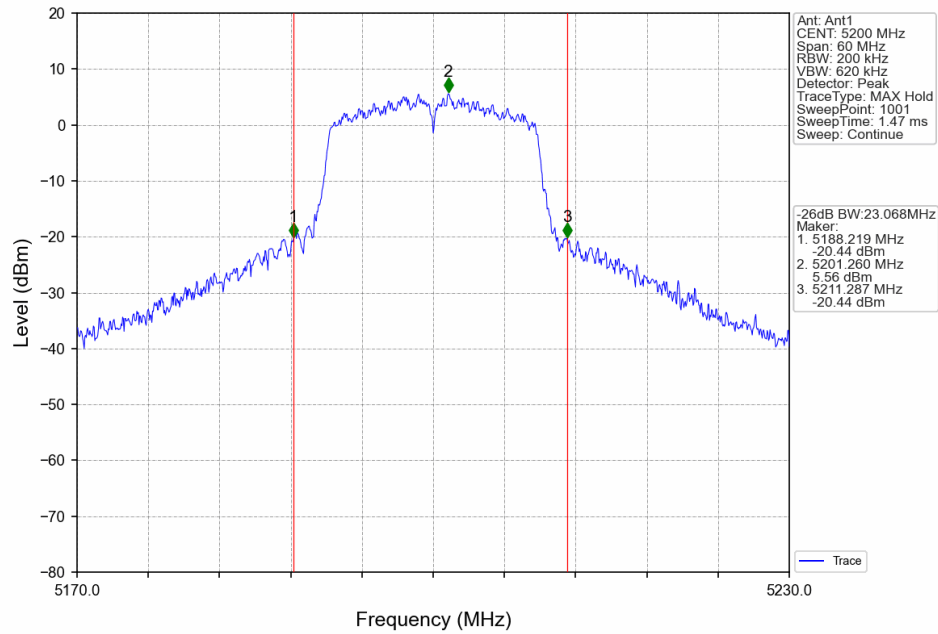
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



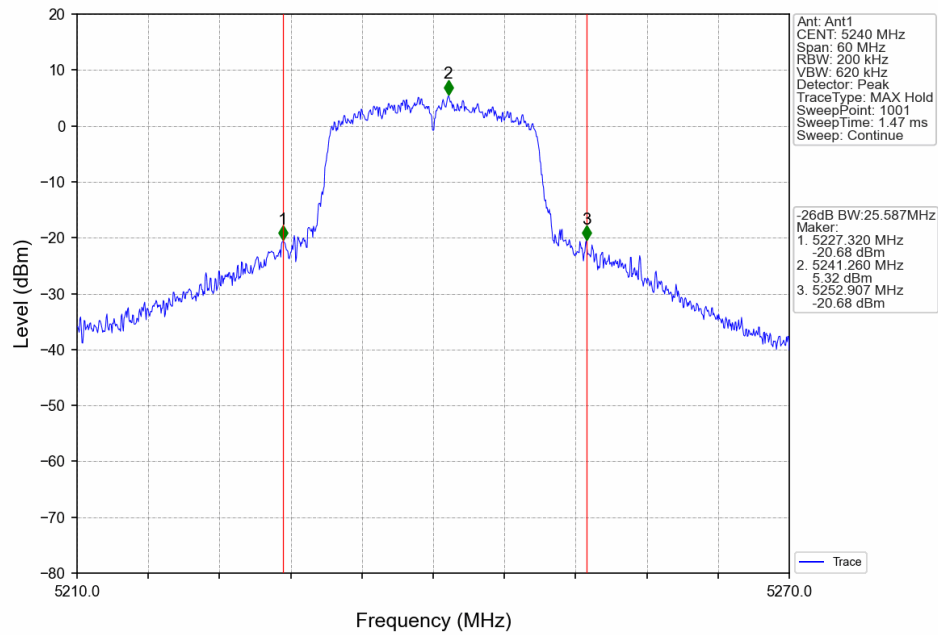
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV

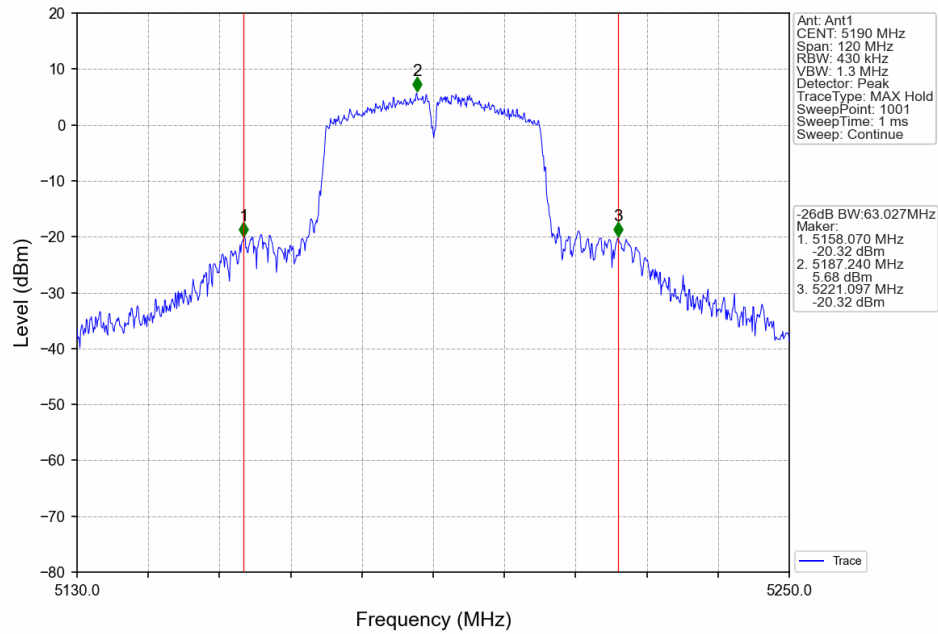


802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV

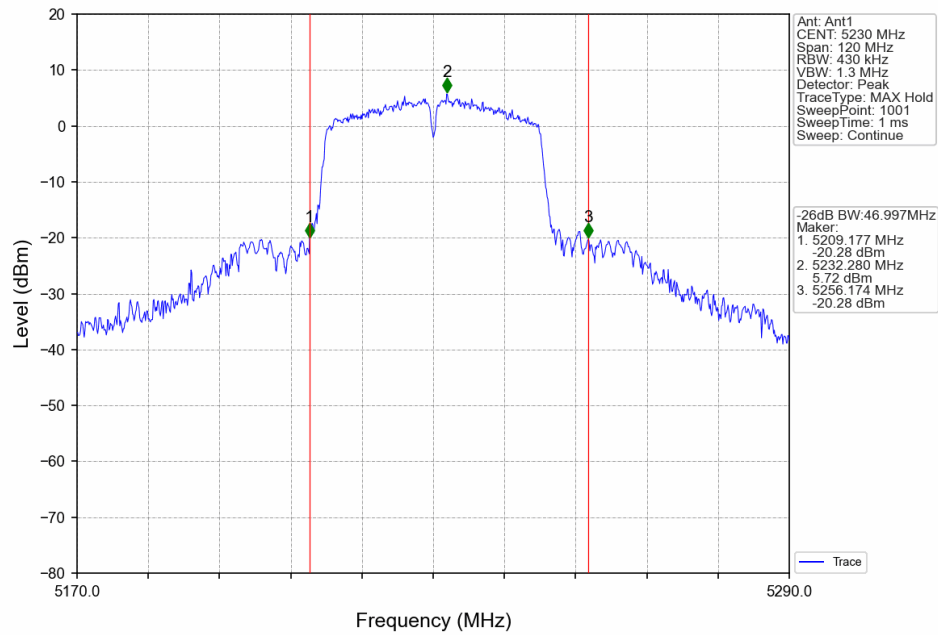




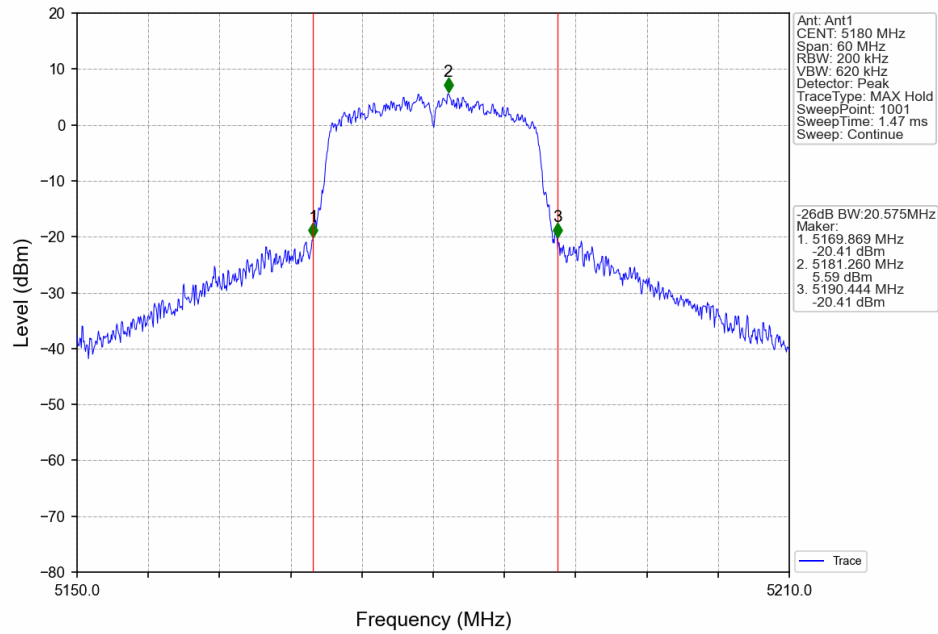
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



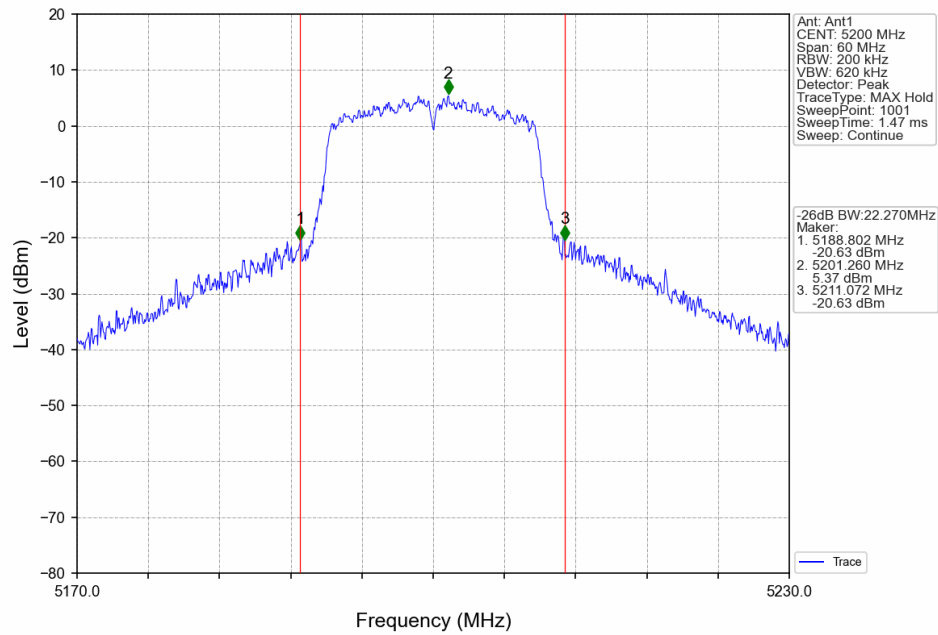
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



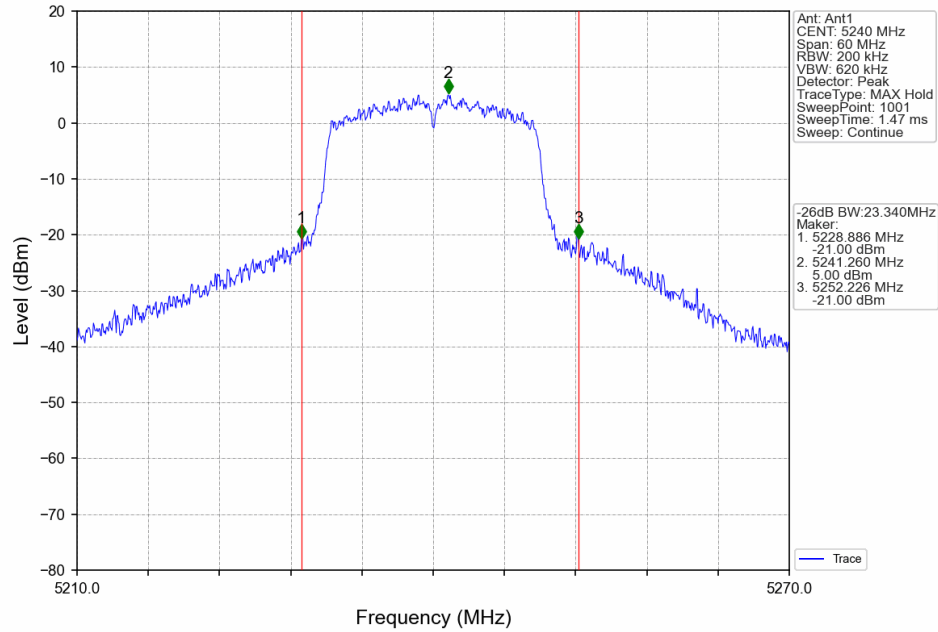
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



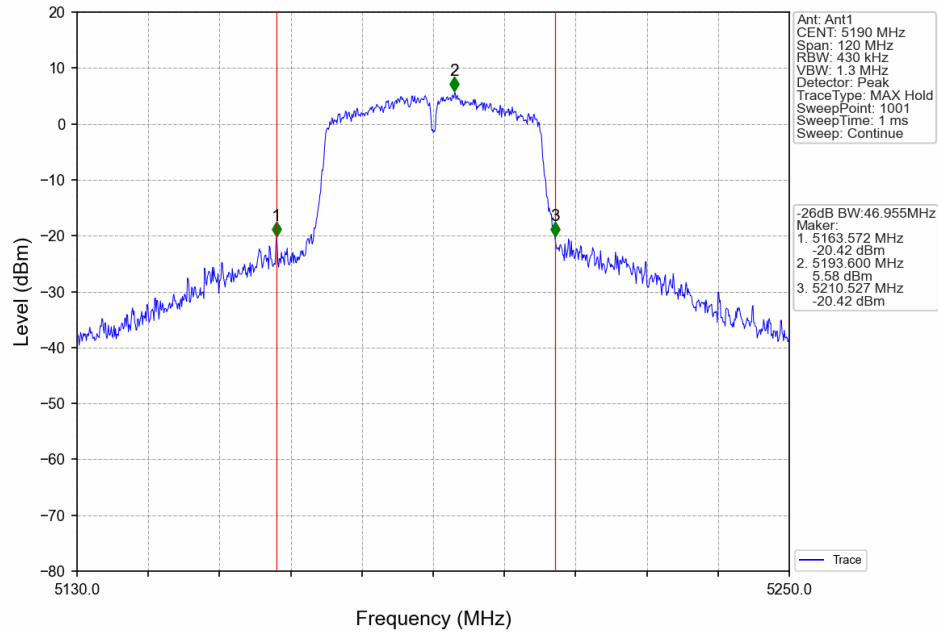
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



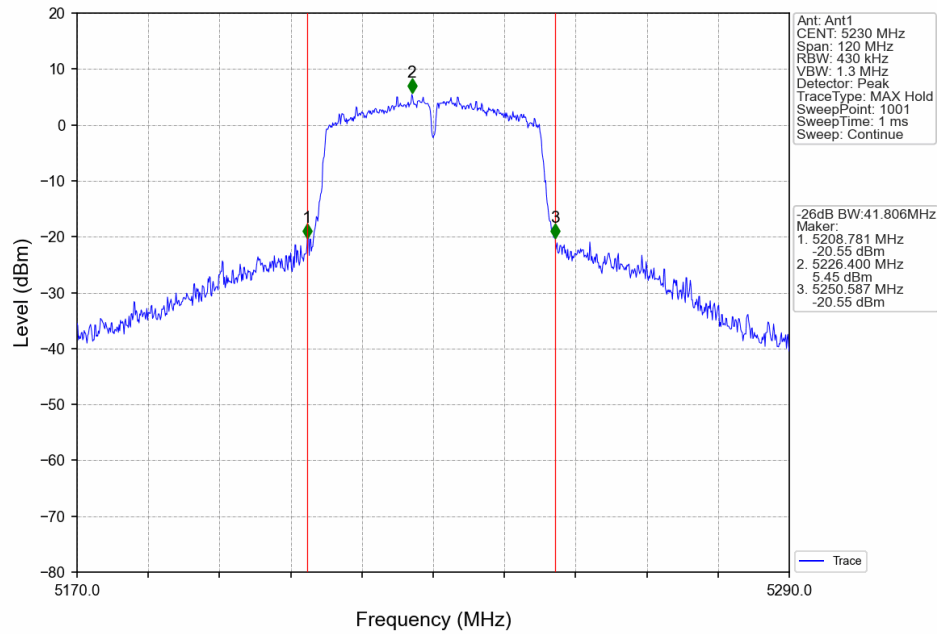
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



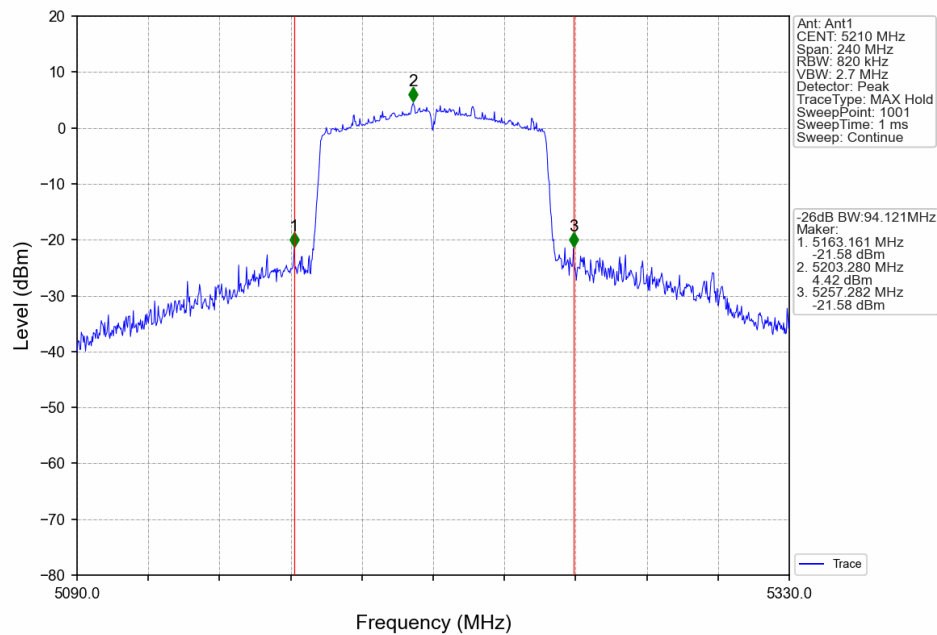
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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



### 3. Maximum Conducted Output Power

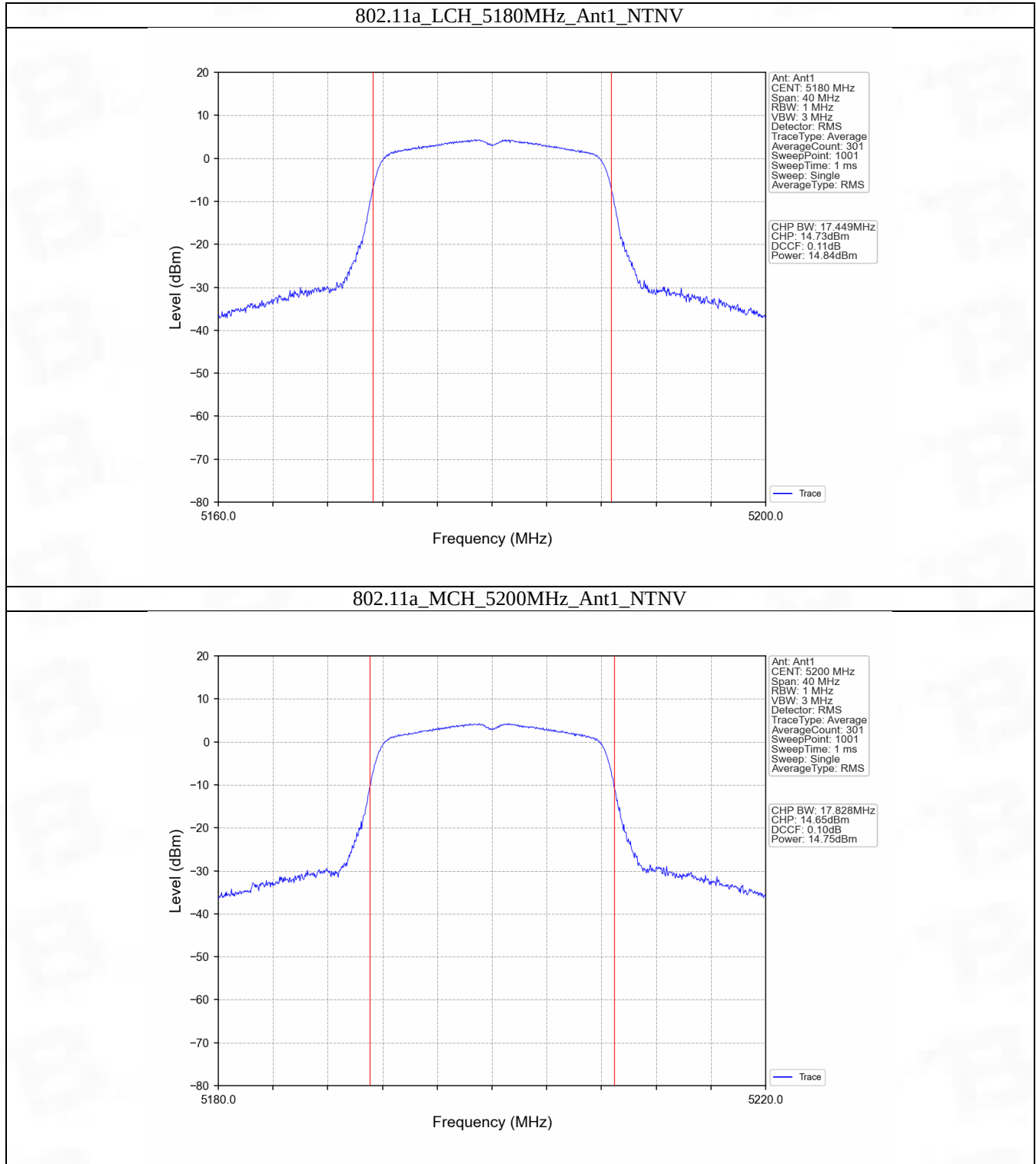
#### 3.1 Power

##### 3.1.1 Test Result

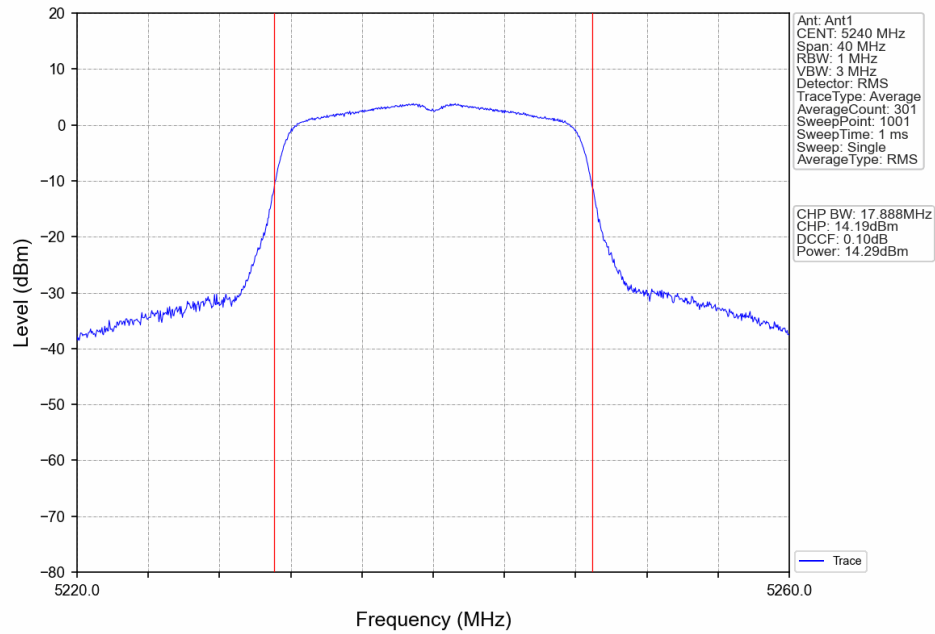
| Mode             | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |              | Verdict |
|------------------|---------|-----------------|----------------------------------------------|--------------|---------|
|                  |         |                 | ANT1                                         | Limit        |         |
| 802.11a          | SISO    | 5180            | 14.84                                        | $\leq 23.98$ | Pass    |
|                  |         | 5200            | 14.75                                        | $\leq 23.98$ | Pass    |
|                  |         | 5240            | 14.29                                        | $\leq 23.98$ | Pass    |
|                  |         | 5745            | 16.00                                        | $\leq 30$    | Pass    |
|                  |         | 5785            | 16.03                                        | $\leq 30$    | Pass    |
|                  |         | 5825            | 15.88                                        | $\leq 30$    | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 14.75                                        | $\leq 23.98$ | Pass    |
|                  |         | 5200            | 14.54                                        | $\leq 23.98$ | Pass    |
|                  |         | 5240            | 14.27                                        | $\leq 23.98$ | Pass    |
|                  |         | 5745            | 15.92                                        | $\leq 30$    | Pass    |
|                  |         | 5785            | 15.82                                        | $\leq 30$    | Pass    |
|                  |         | 5825            | 15.70                                        | $\leq 30$    | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 14.72                                        | $\leq 23.98$ | Pass    |
|                  |         | 5230            | 14.31                                        | $\leq 23.98$ | Pass    |
|                  |         | 5755            | 15.82                                        | $\leq 30$    | Pass    |
|                  |         | 5795            | 15.89                                        | $\leq 30$    | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 14.65                                        | $\leq 23.98$ | Pass    |
|                  |         | 5200            | 14.45                                        | $\leq 23.98$ | Pass    |
|                  |         | 5240            | 14.09                                        | $\leq 23.98$ | Pass    |
|                  |         | 5745            | 15.90                                        | $\leq 30$    | Pass    |
|                  |         | 5785            | 15.80                                        | $\leq 30$    | Pass    |
|                  |         | 5825            | 15.66                                        | $\leq 30$    | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 14.63                                        | $\leq 23.98$ | Pass    |
|                  |         | 5230            | 14.22                                        | $\leq 23.98$ | Pass    |
|                  |         | 5755            | 15.82                                        | $\leq 30$    | Pass    |
|                  |         | 5795            | 15.84                                        | $\leq 30$    | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | 13.48                                        | $\leq 23.98$ | Pass    |
|                  |         | 5775            | 14.84                                        | $\leq 30$    | Pass    |

Note1: Antenna Gain: Ant1: 0.00dBi;

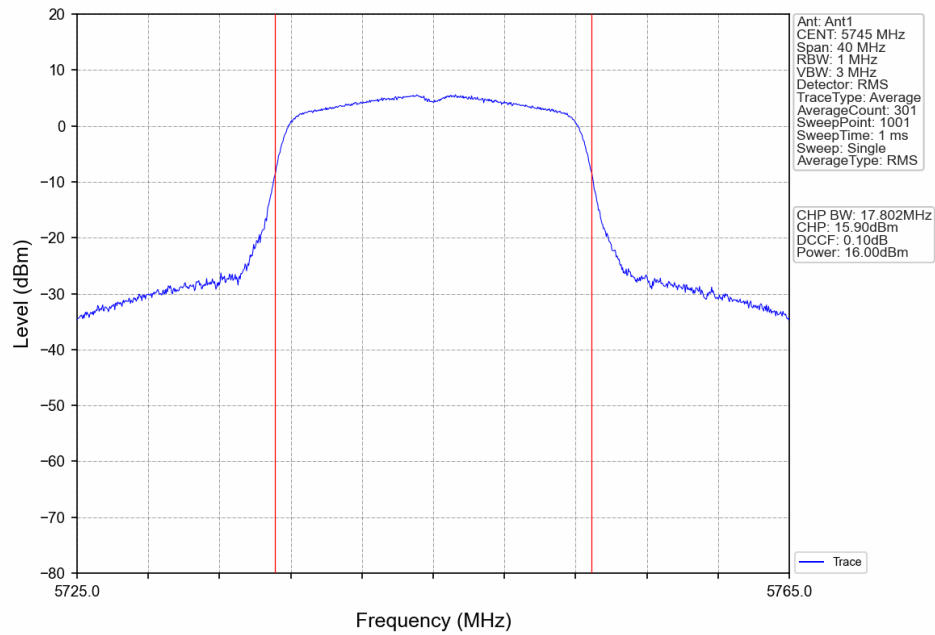
### 3.1.2 Test Graph



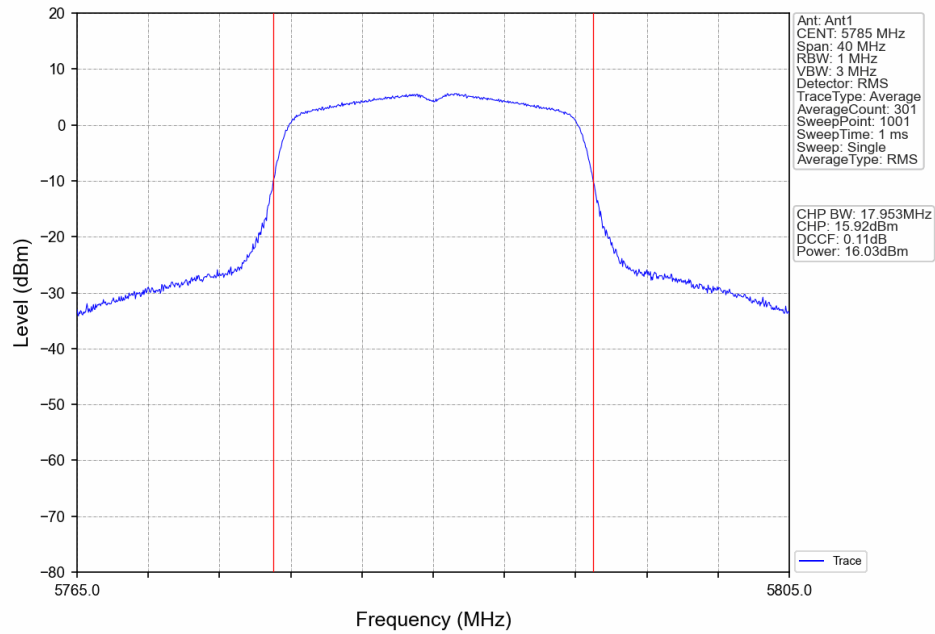
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



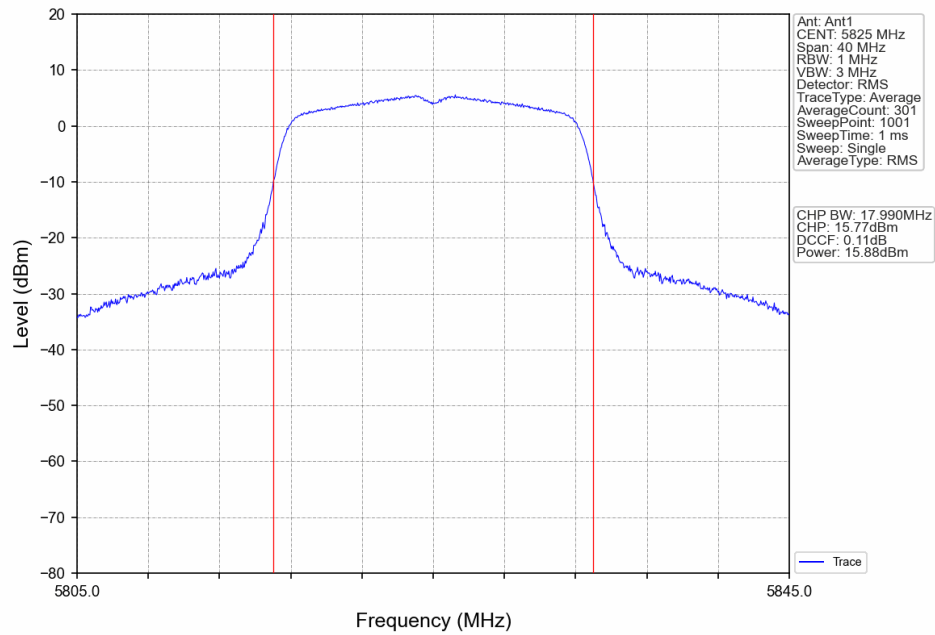
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



802.11a\_MCH\_5785MHz\_Ant1\_NTNV

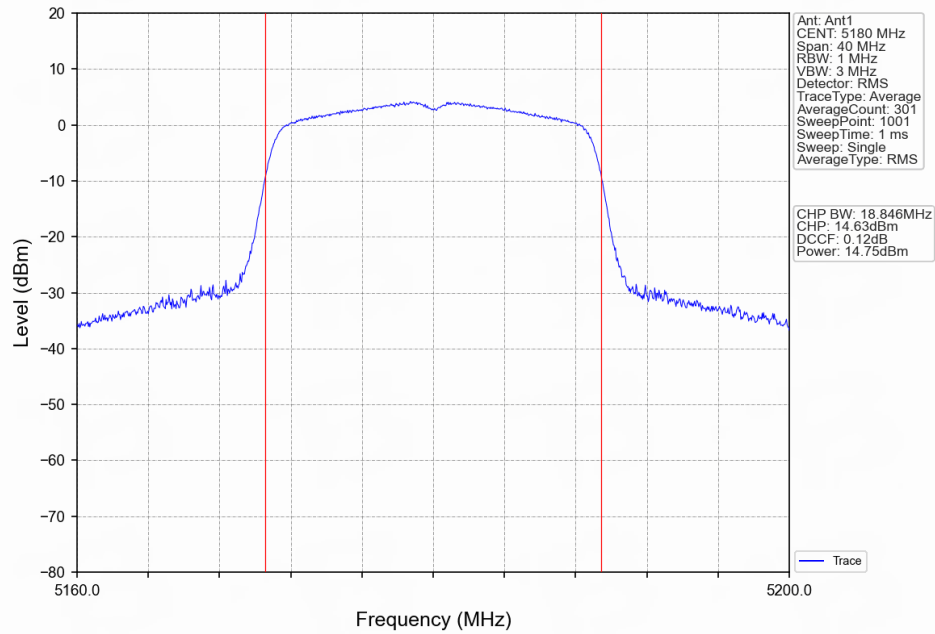


802.11a\_HCH\_5825MHz\_Ant1\_NTNV

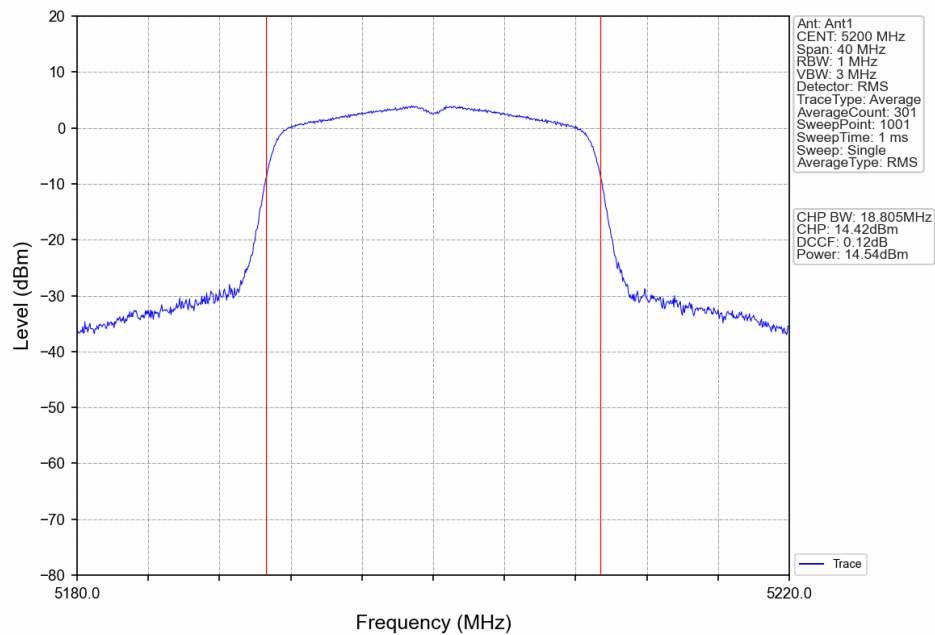




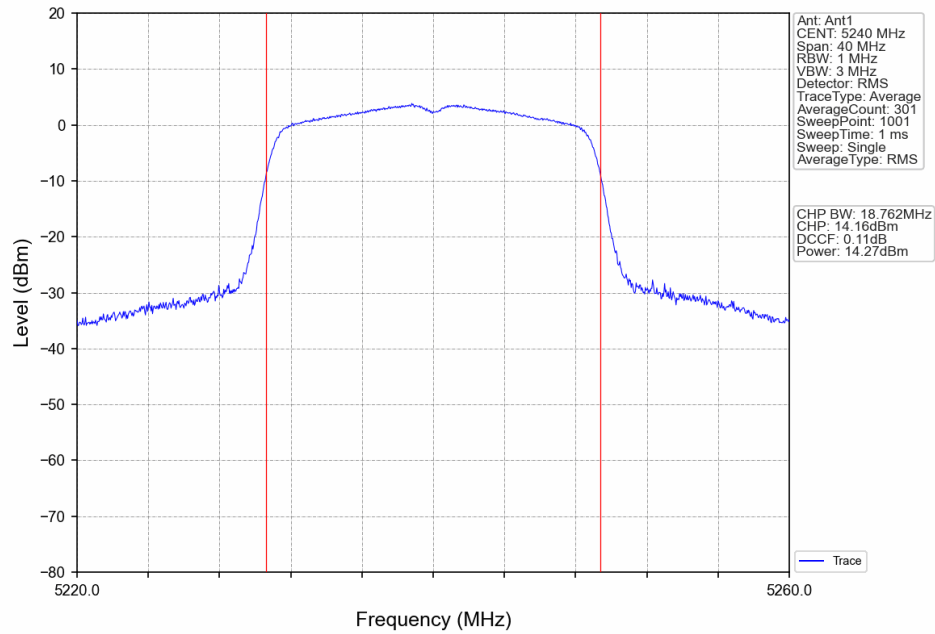
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



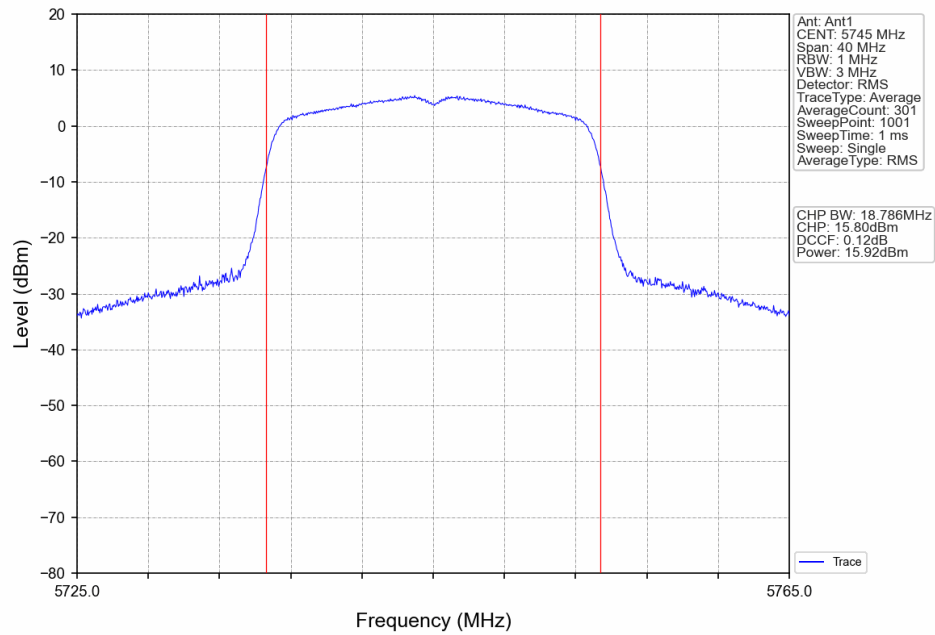
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



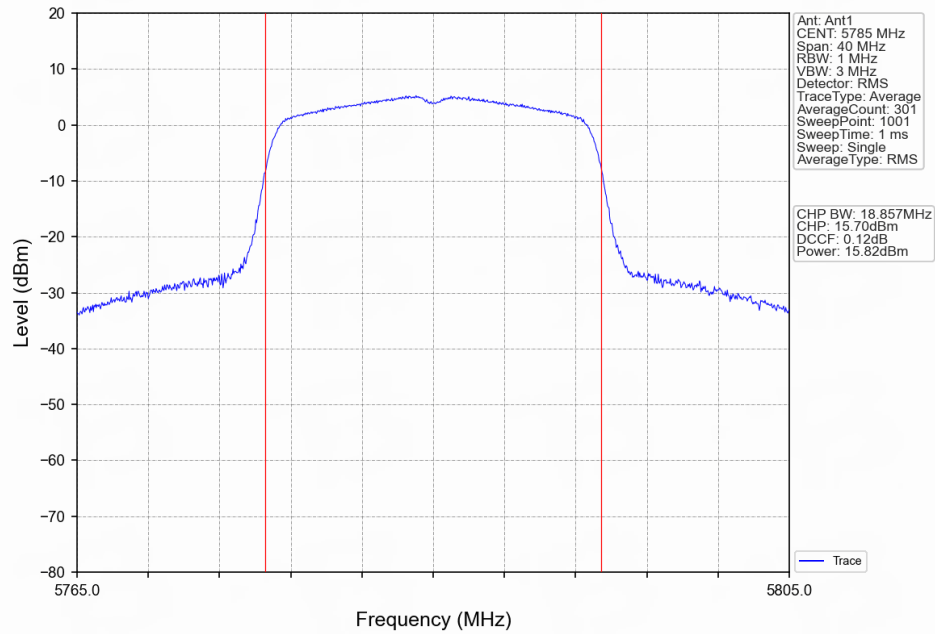
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



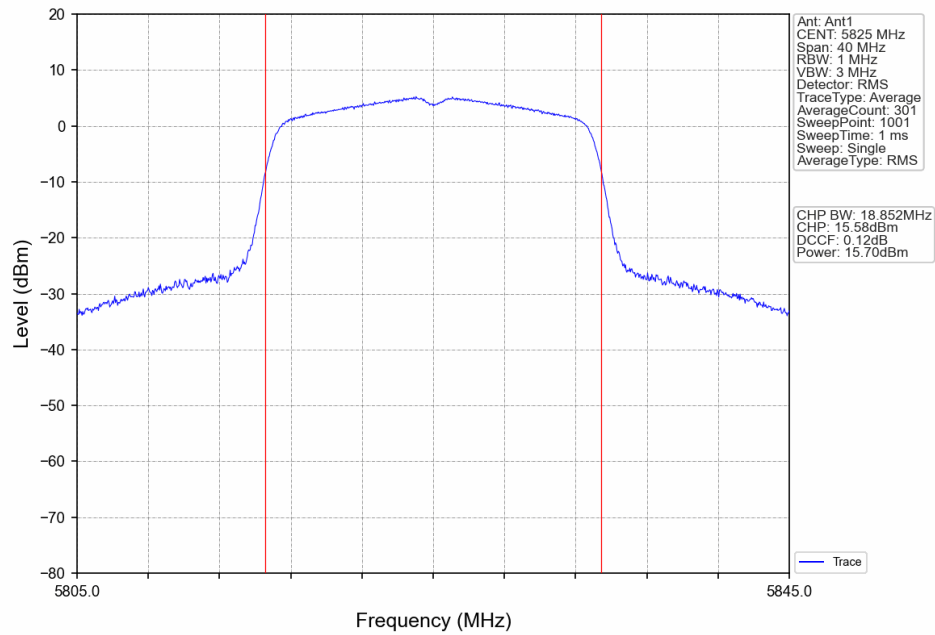
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



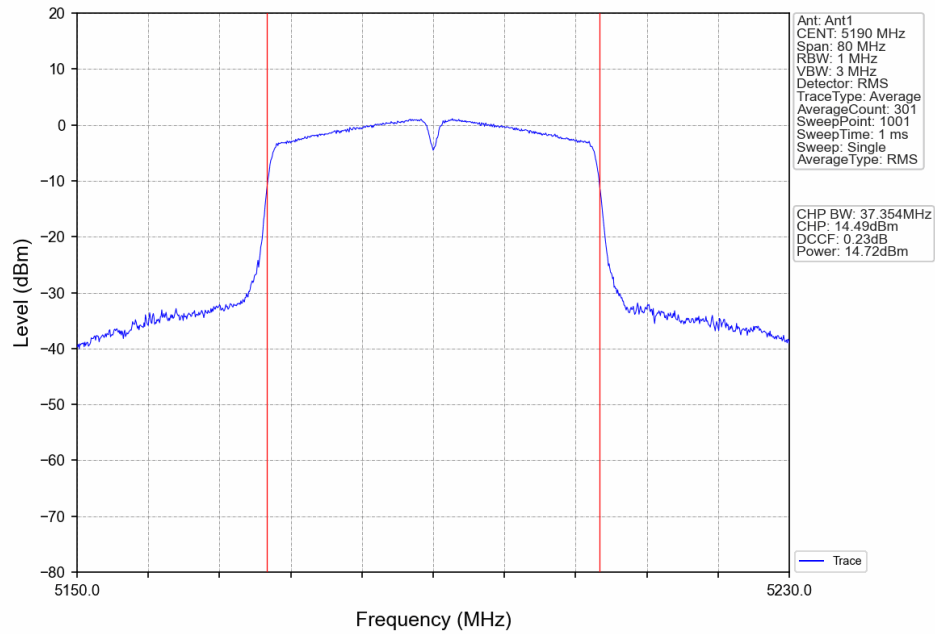
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



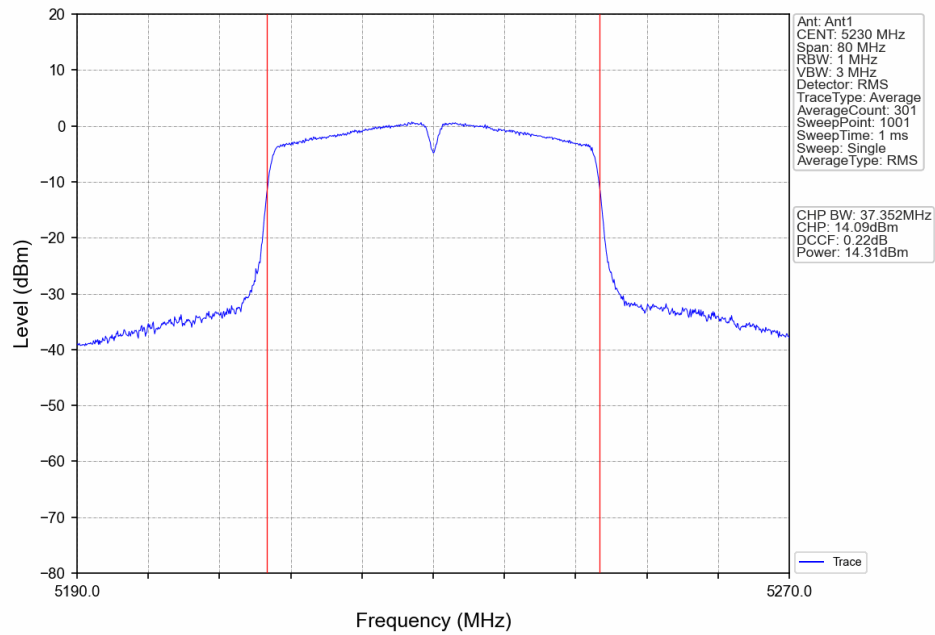
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



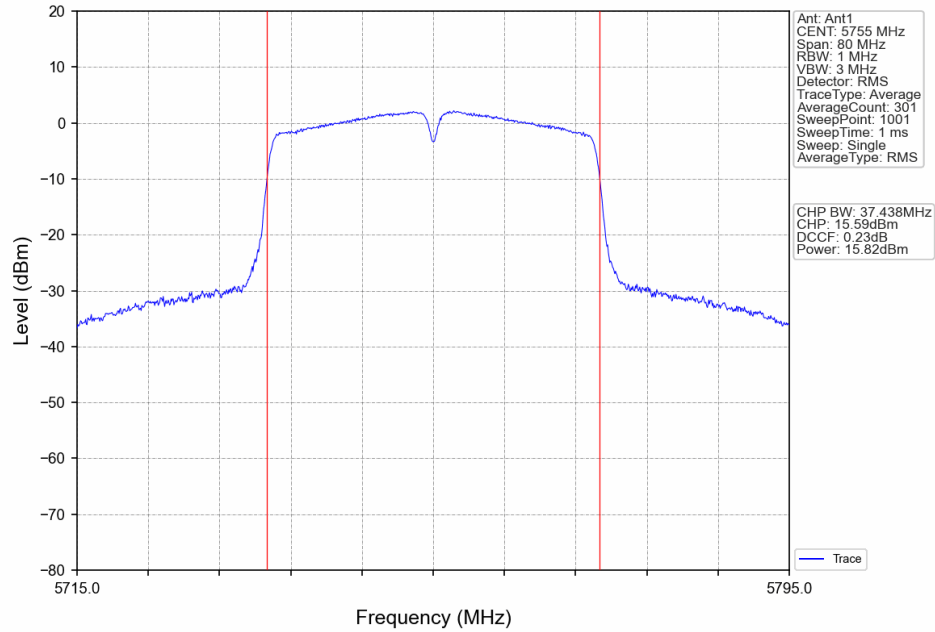
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



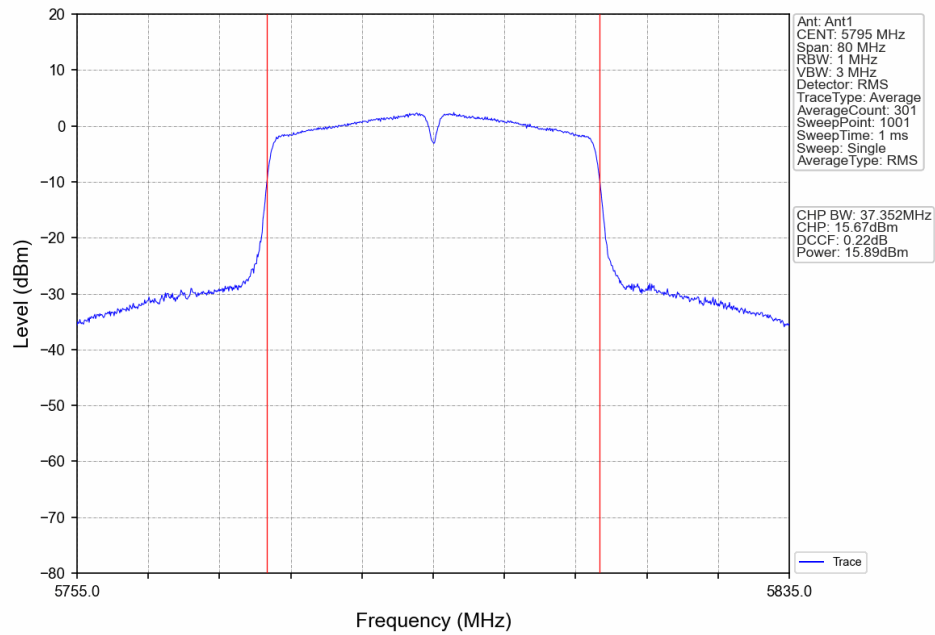
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



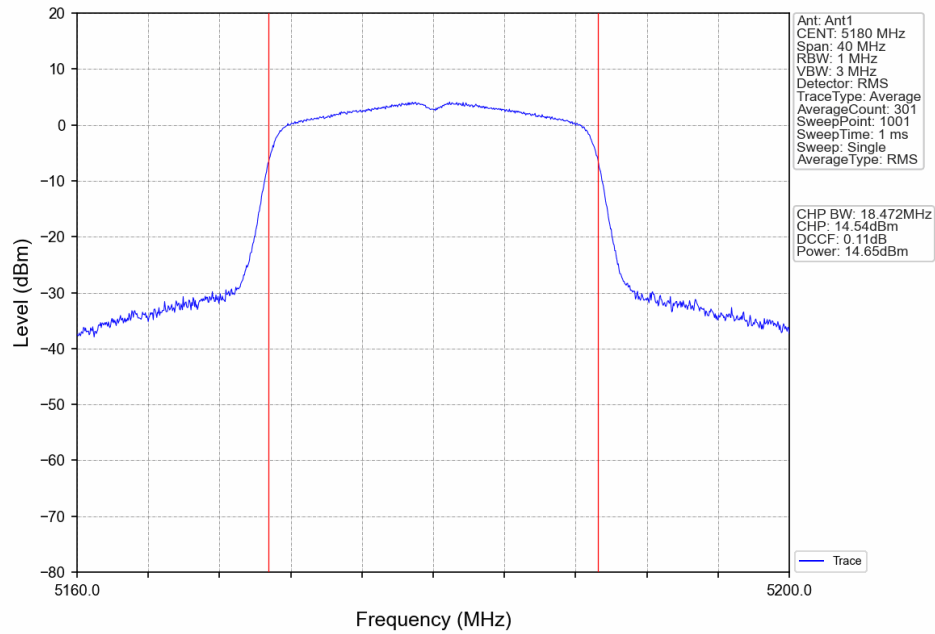
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



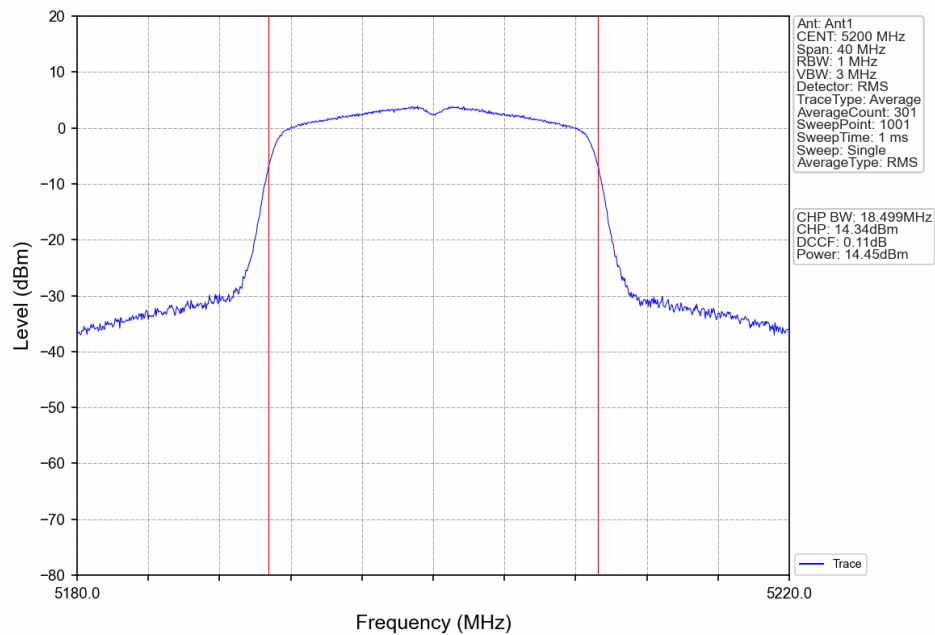
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



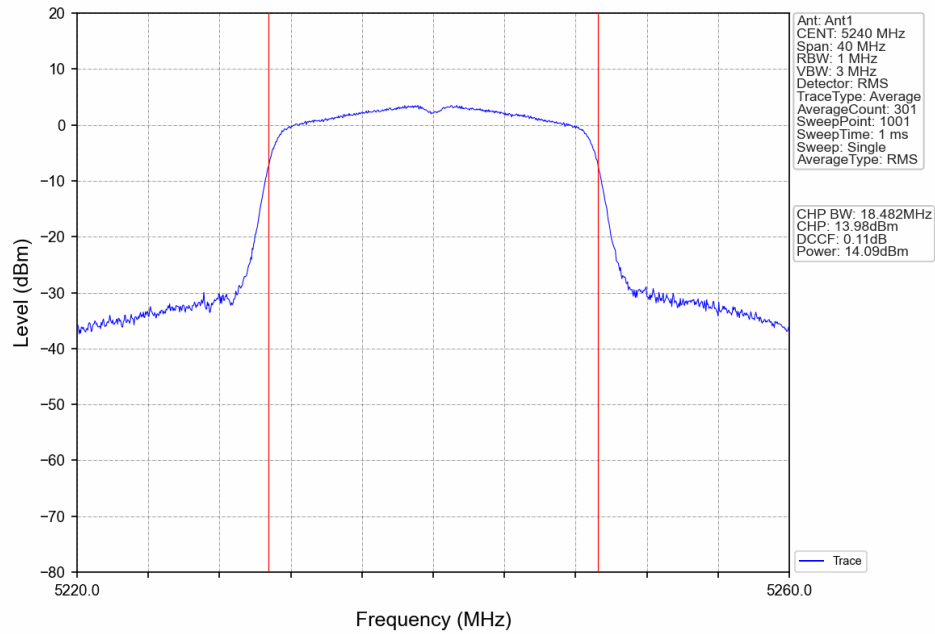
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



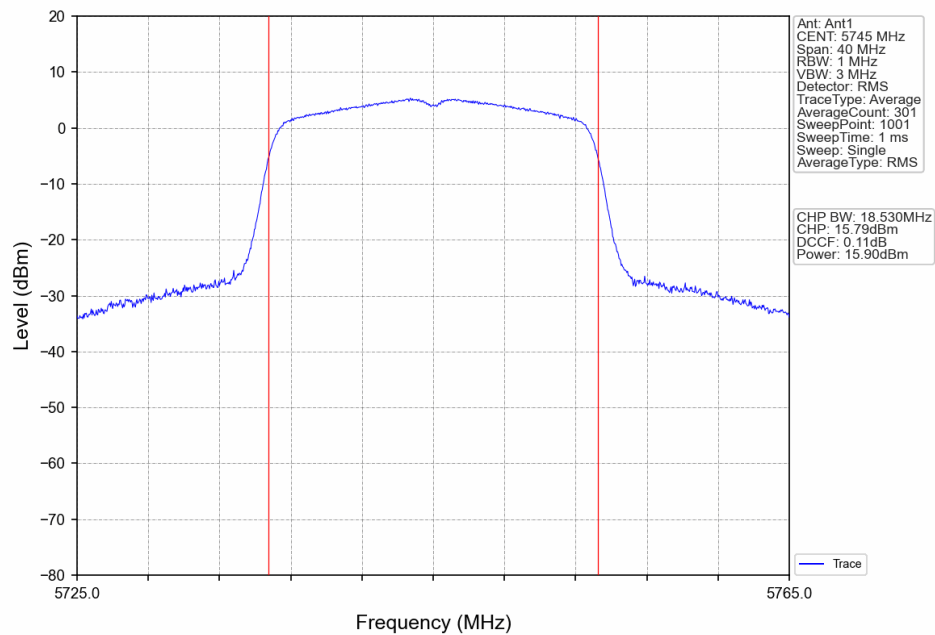
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



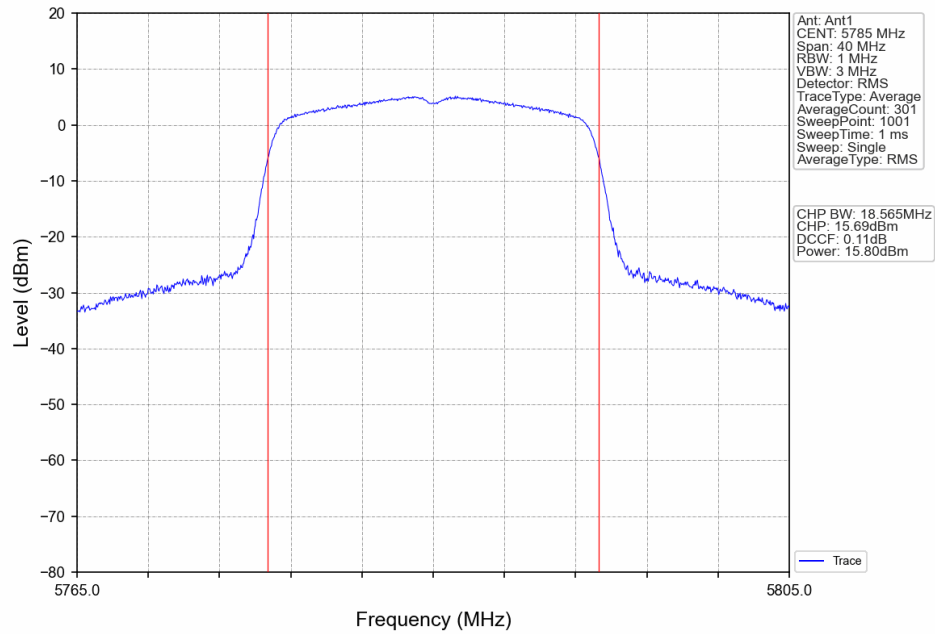
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



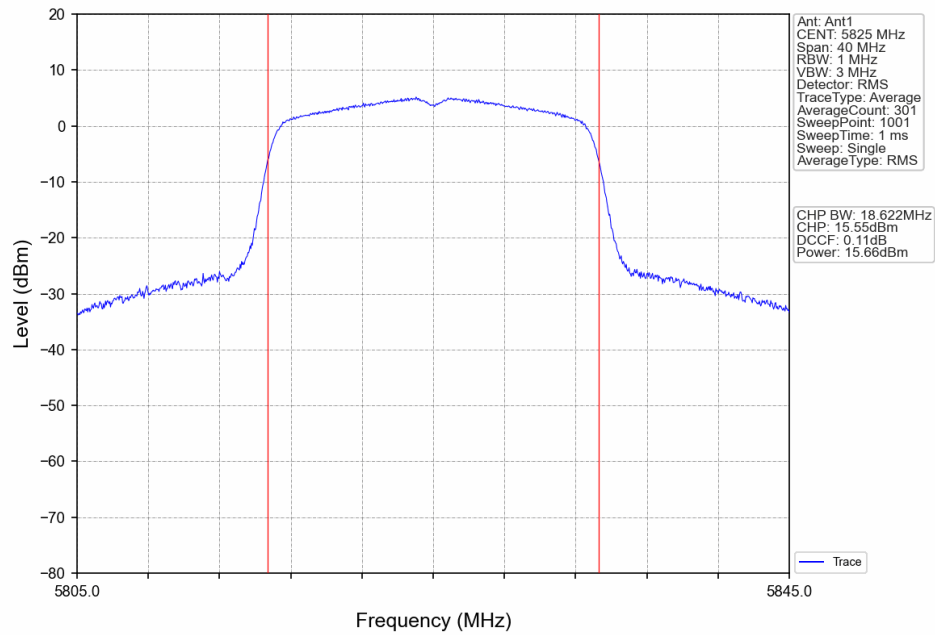
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV

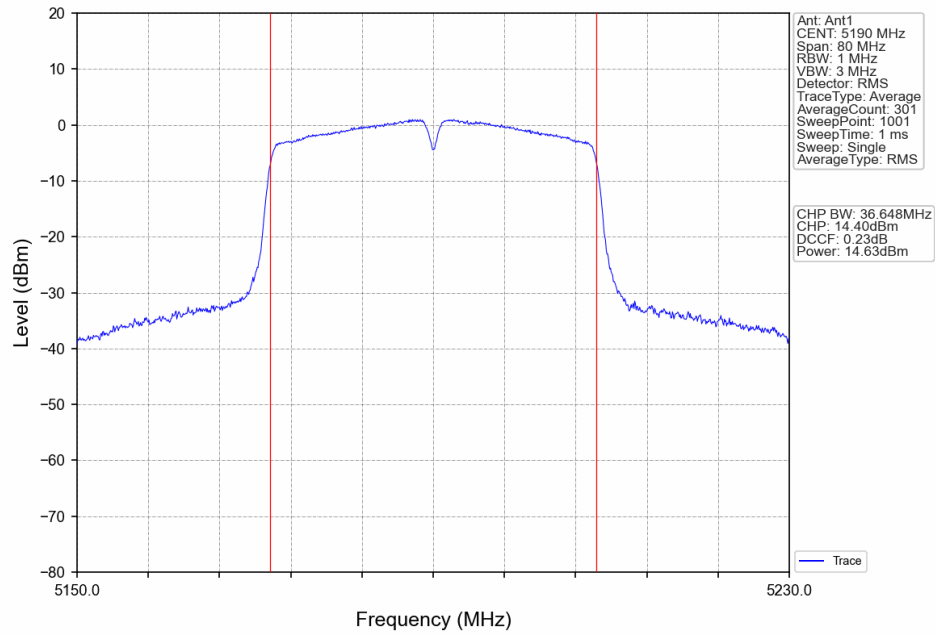


802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV

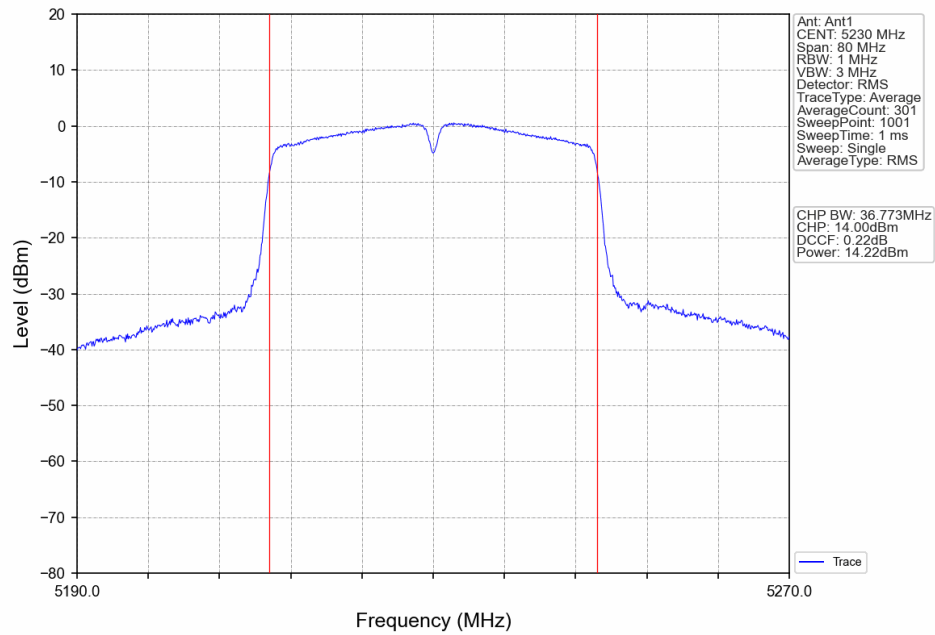




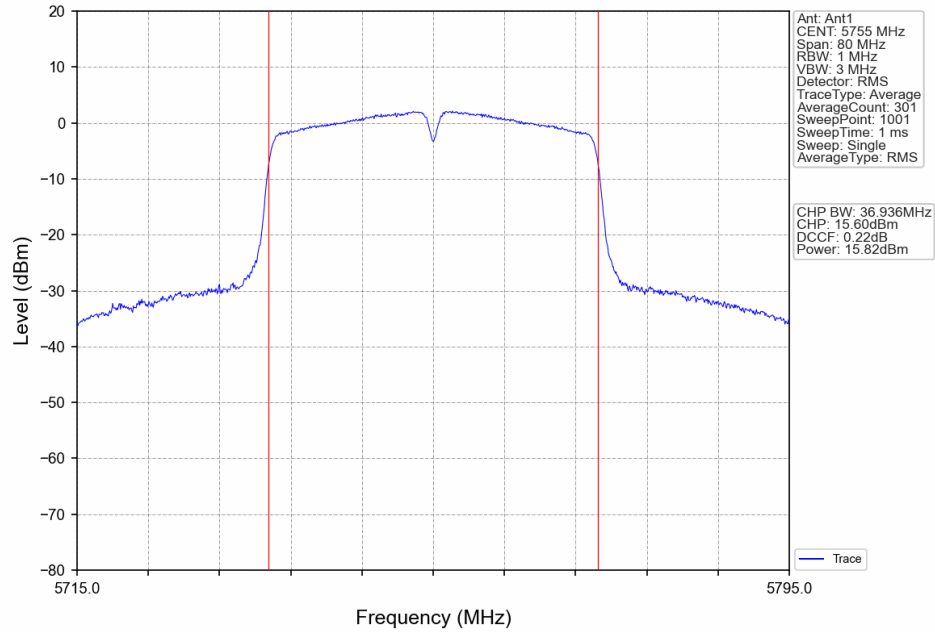
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



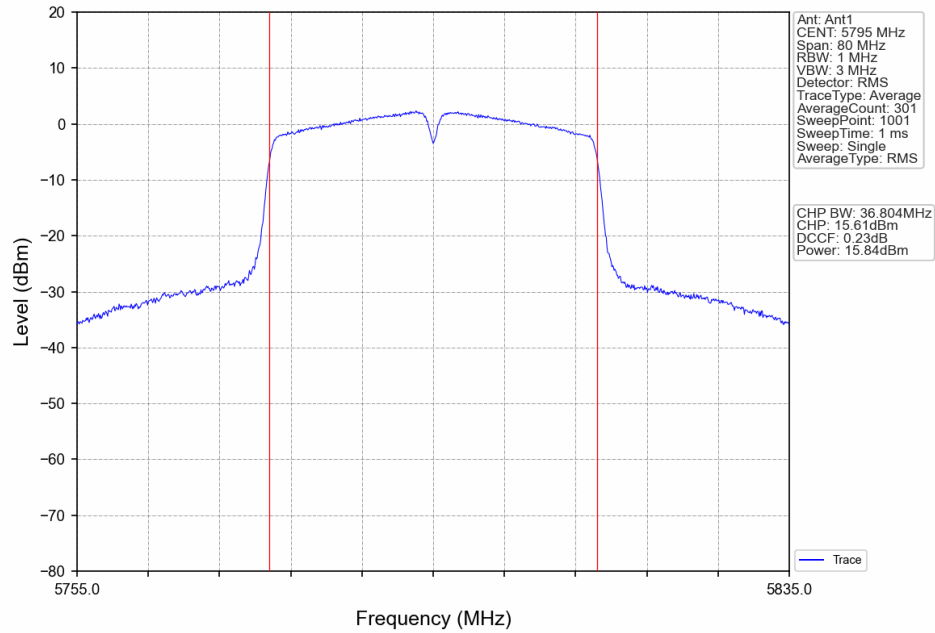
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



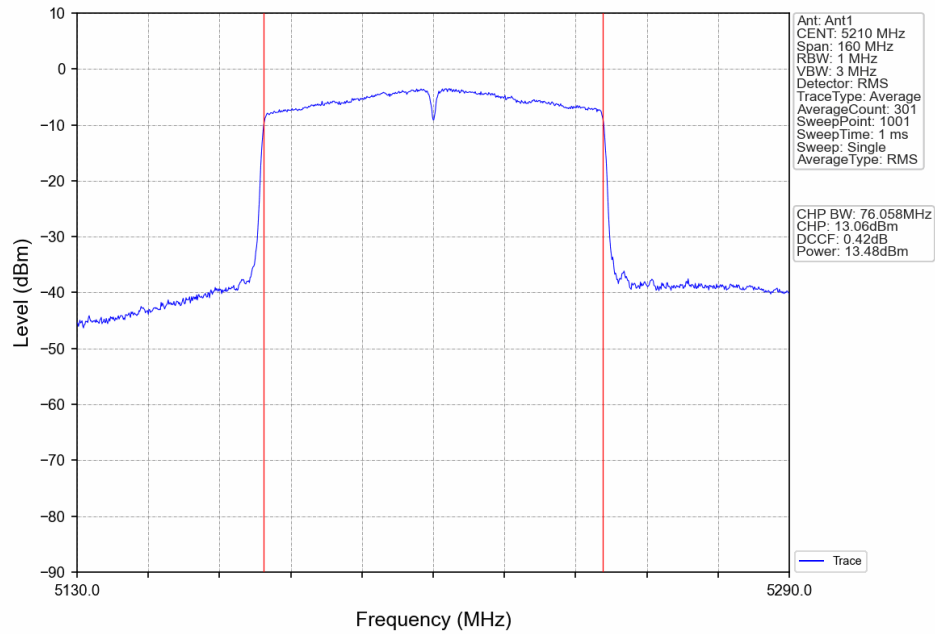
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



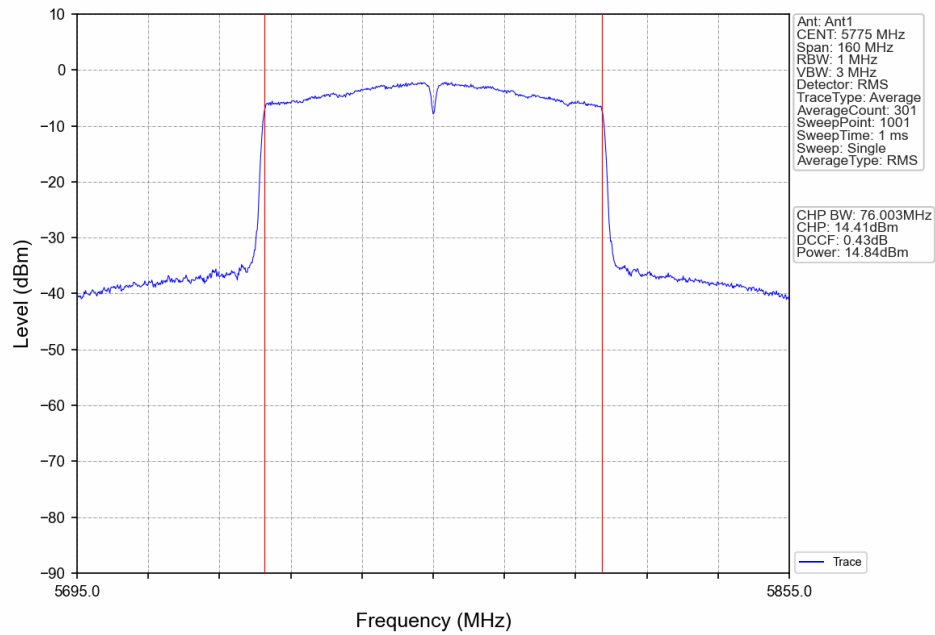
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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



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



## 4. Maximum Power Spectral Density

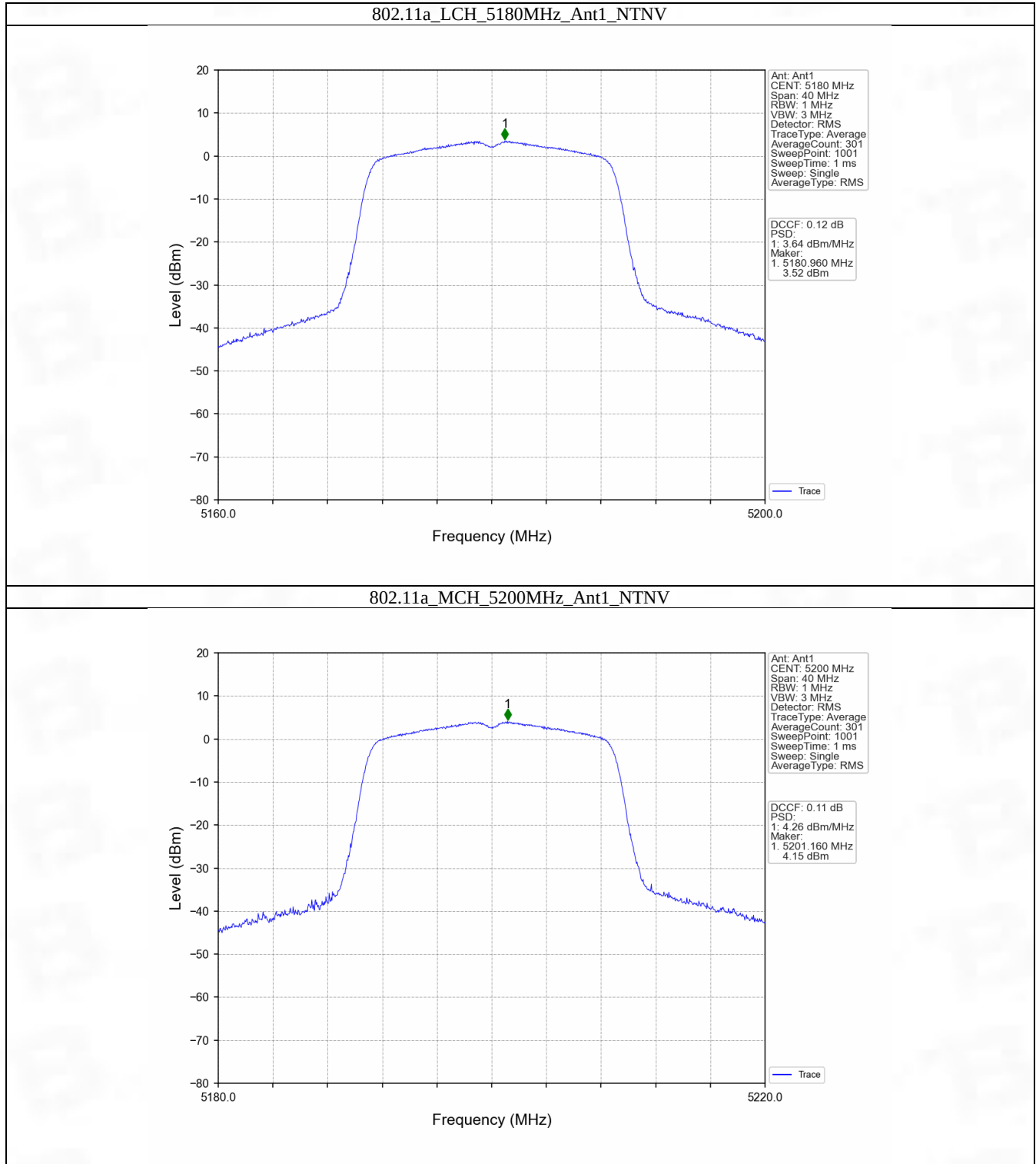
### 4.1 PSD

#### 4.1.1 Test Result

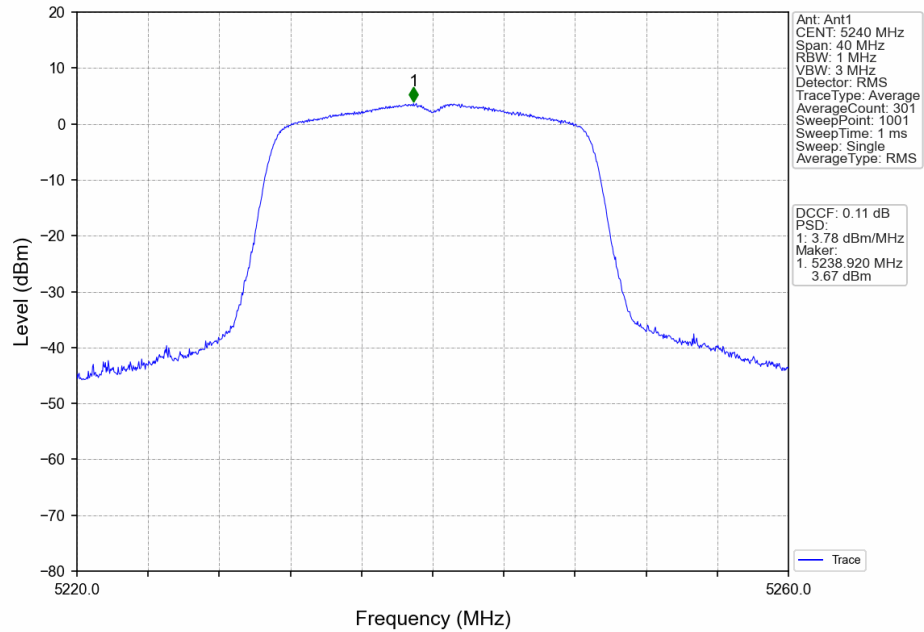
| Mode             | TX Type | Frequency (MHz) | Maximum PSD (dBm/MHz) |       | Verdict |
|------------------|---------|-----------------|-----------------------|-------|---------|
|                  |         |                 | ANT1                  | Limit |         |
| 802.11a          | SISO    | 5180            | 3.64                  | <=11  | Pass    |
|                  |         | 5200            | 4.26                  | <=11  | Pass    |
|                  |         | 5240            | 3.78                  | <=11  | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 3.46                  | <=11  | Pass    |
|                  |         | 5200            | 3.74                  | <=11  | Pass    |
|                  |         | 5240            | 3.89                  | <=11  | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 0.99                  | <=11  | Pass    |
|                  |         | 5230            | 1.10                  | <=11  | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 3.56                  | <=11  | Pass    |
|                  |         | 5200            | 3.73                  | <=11  | Pass    |
|                  |         | 5240            | 3.88                  | <=11  | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1.06                  | <=11  | Pass    |
|                  |         | 5230            | 1.03                  | <=11  | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | -0.64                 | <=11  | Pass    |

Note1: Antenna Gain: Ant1: 1.09dBi;

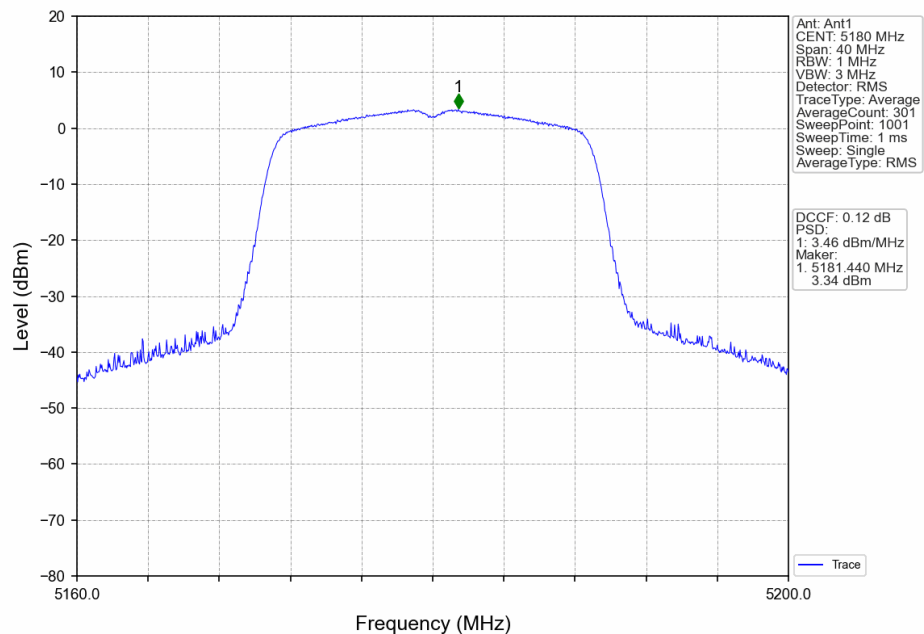
#### 4.1.2 Test Graph



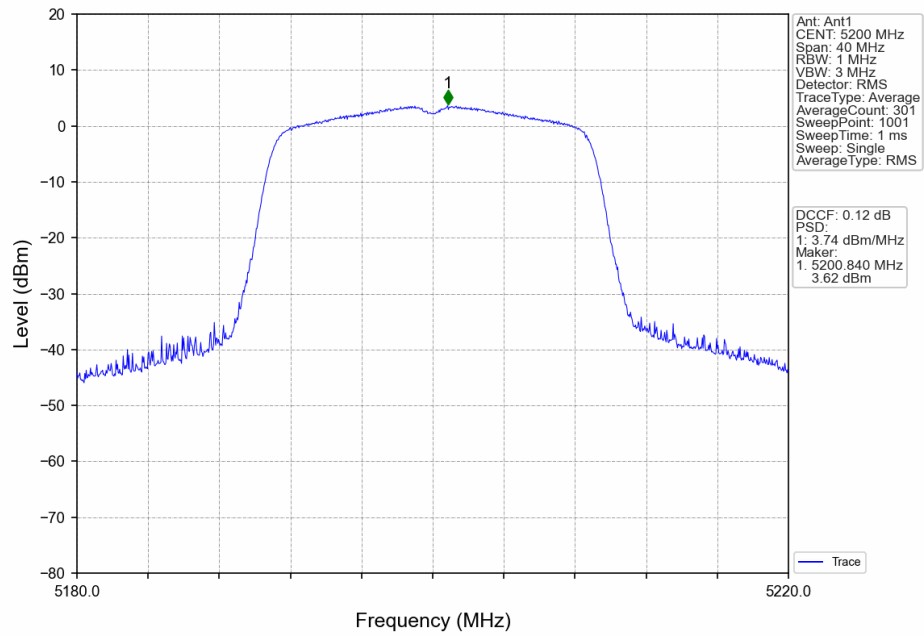
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



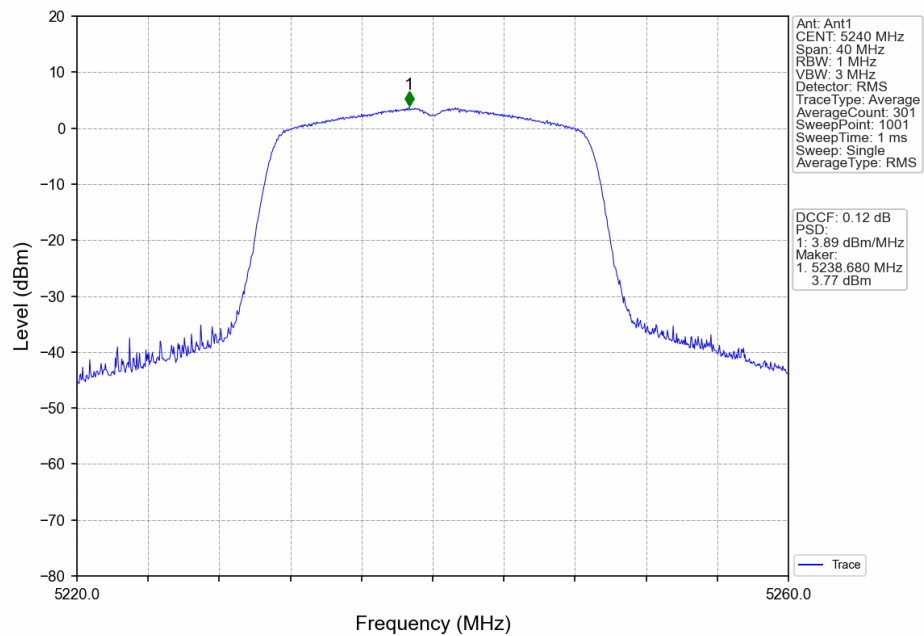
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



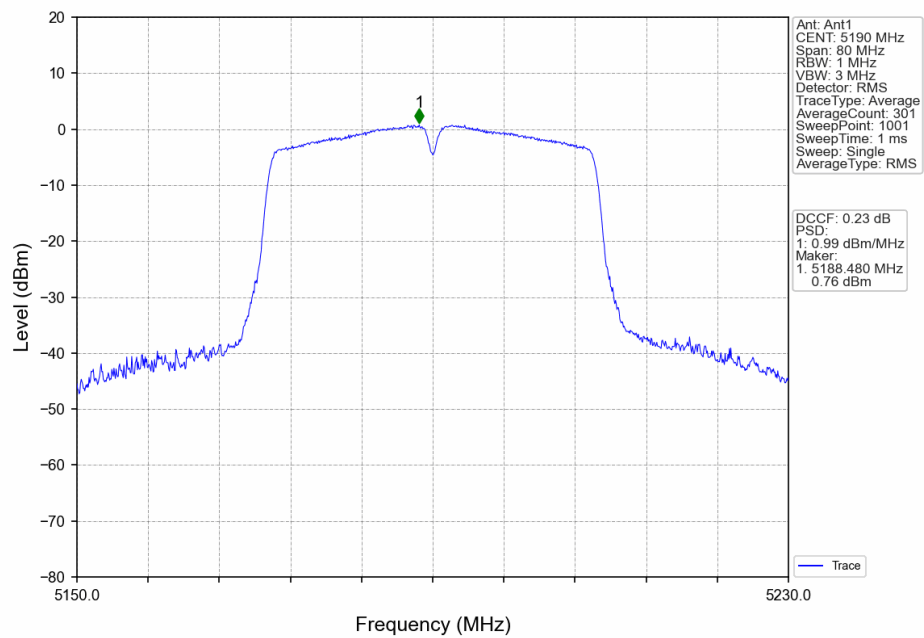
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



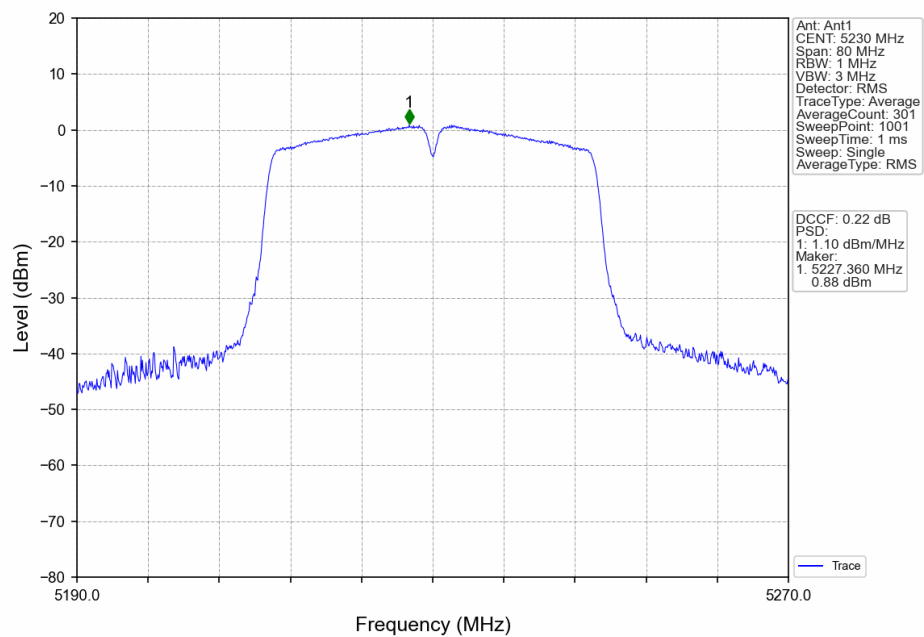
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



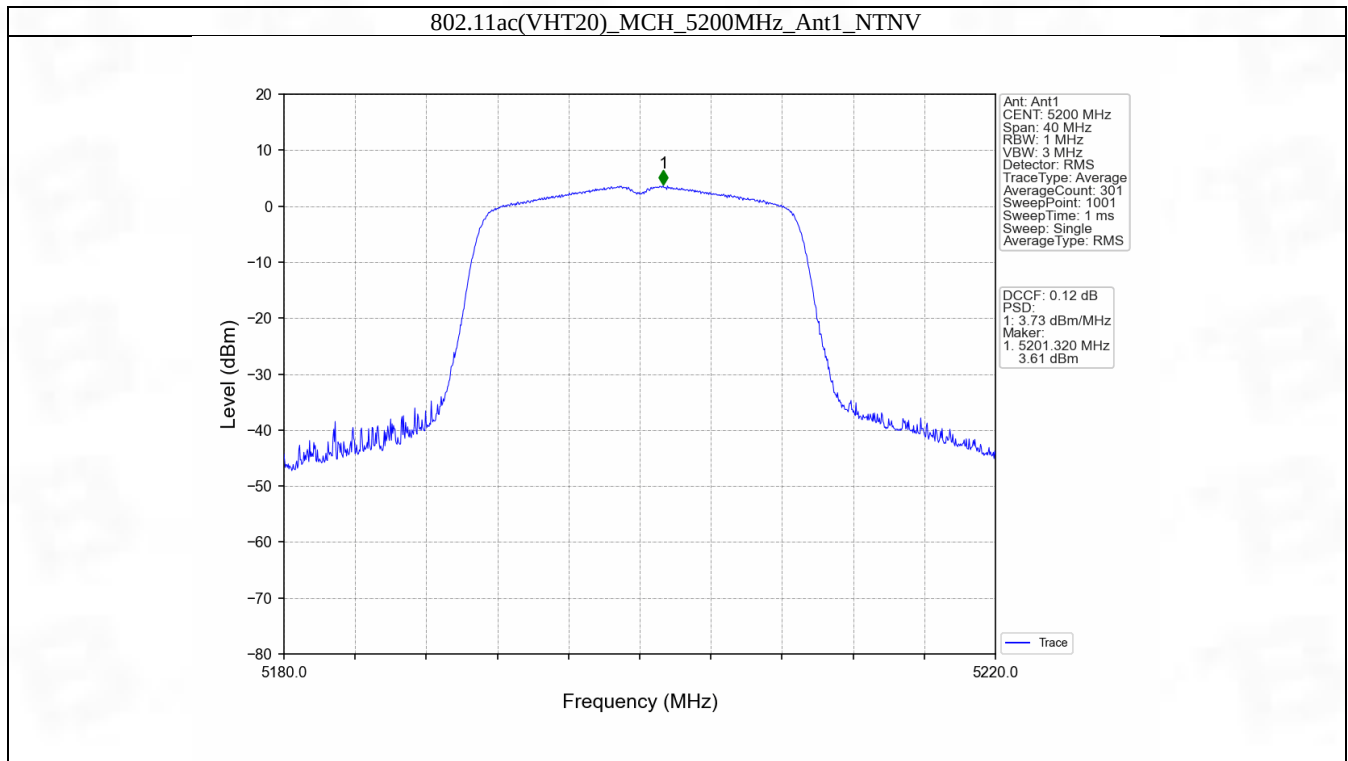
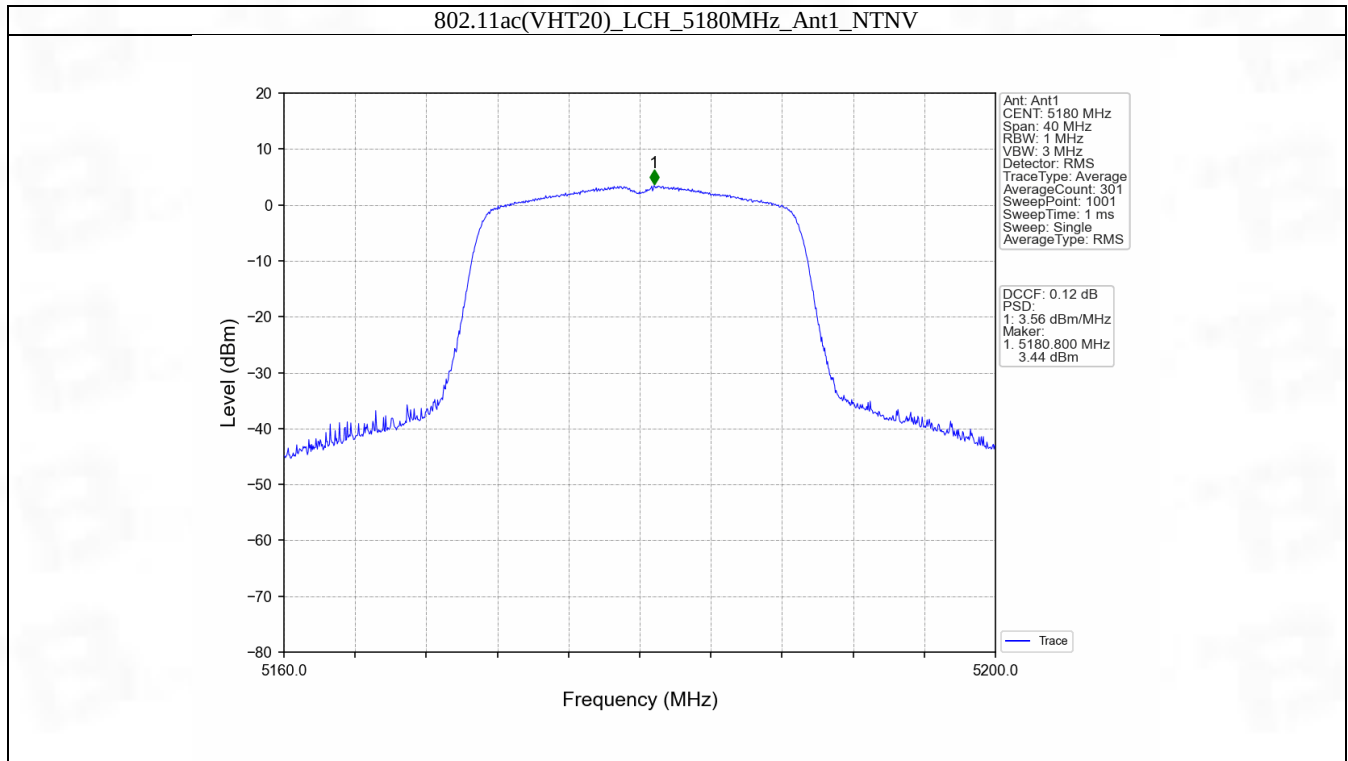
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV

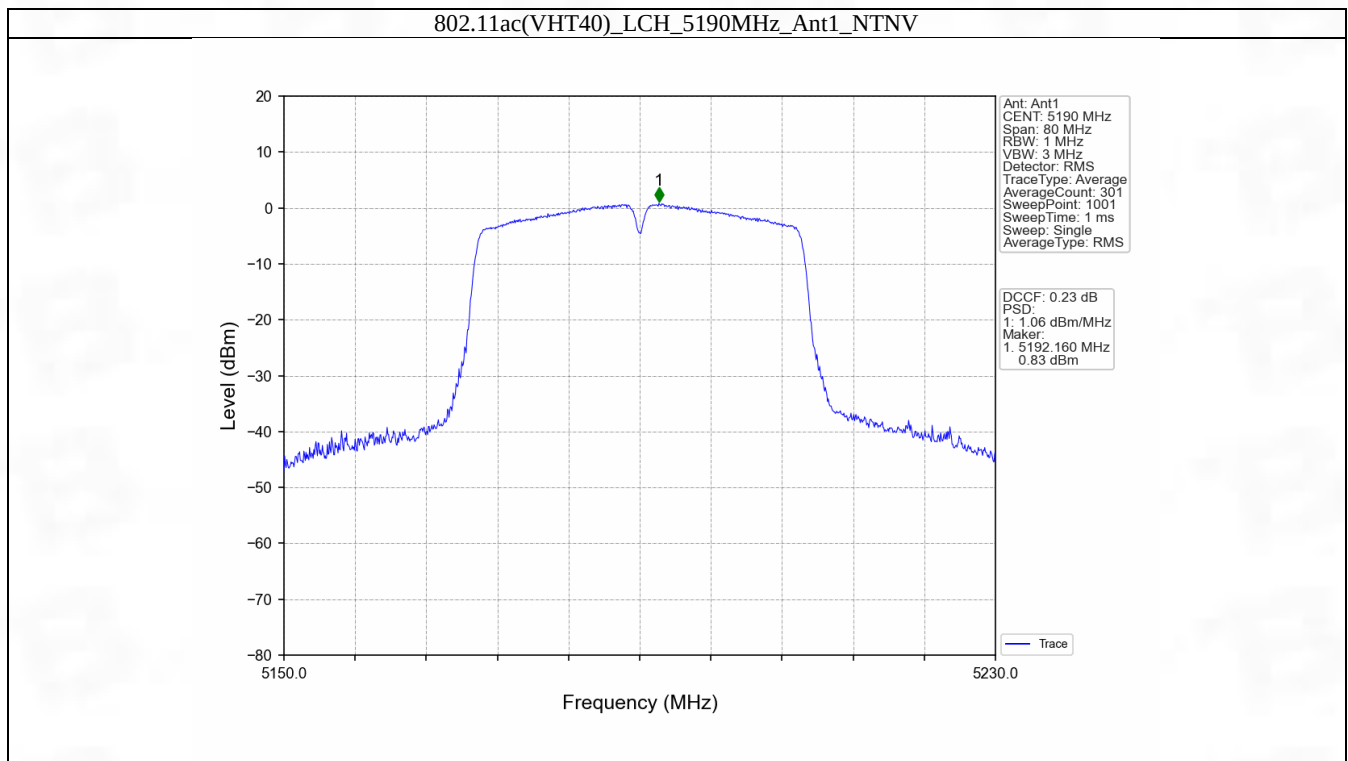
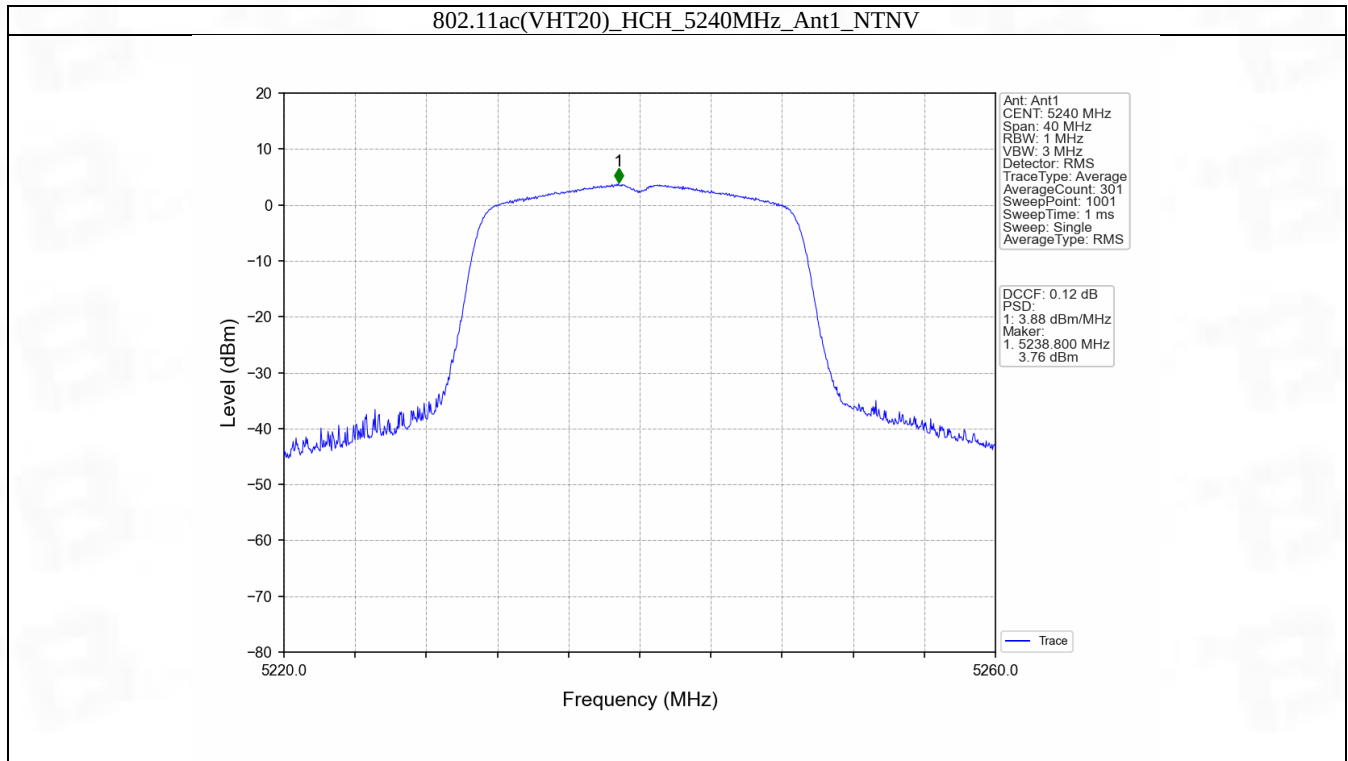


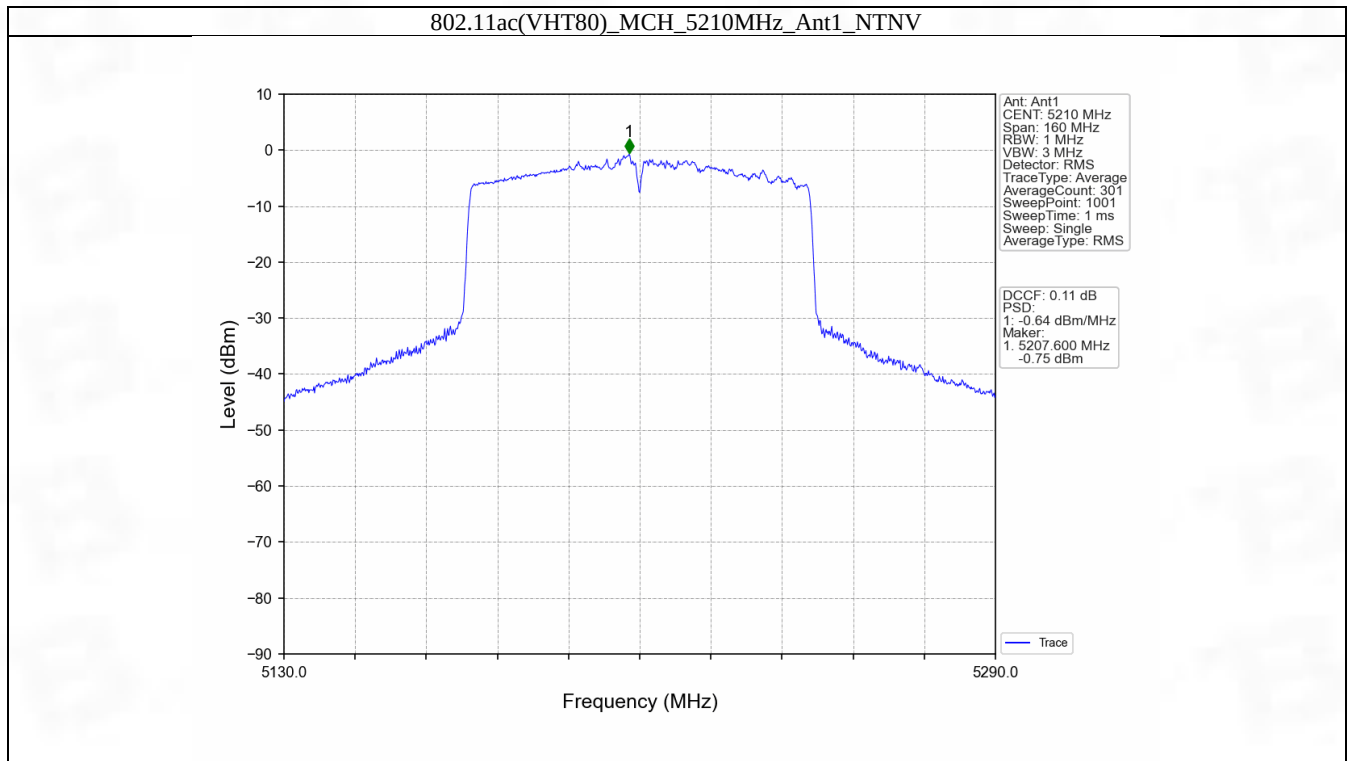
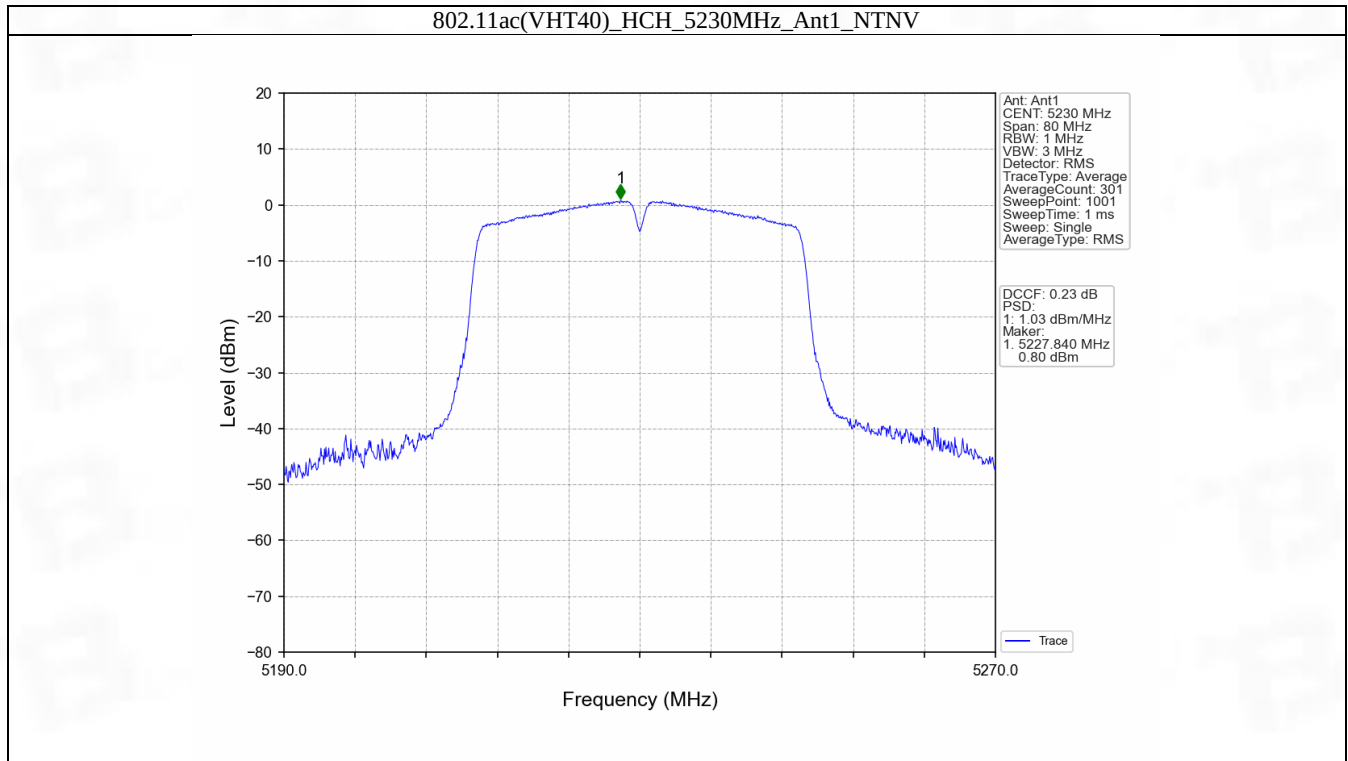
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV











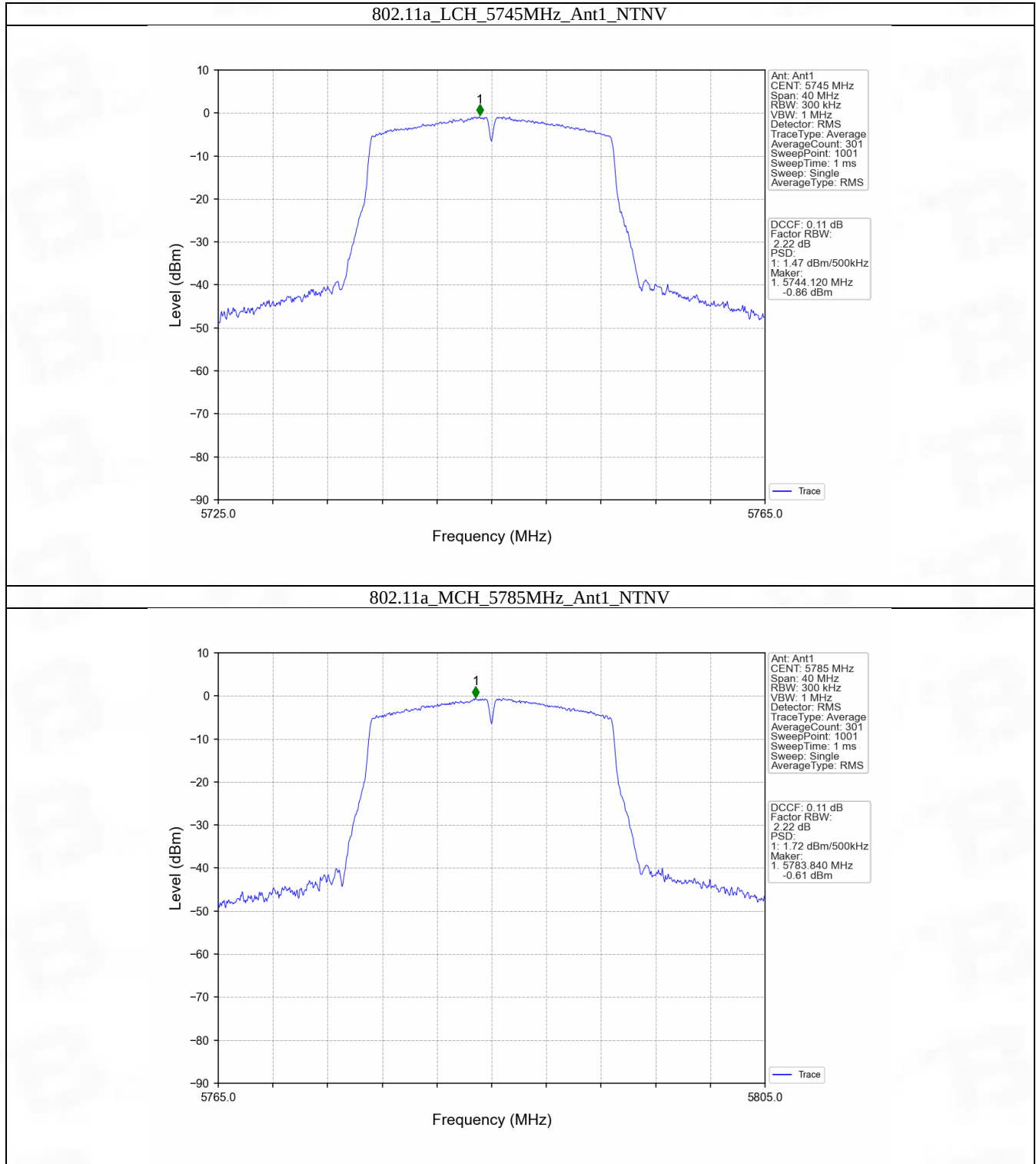
## 4.2 PSD-Band3

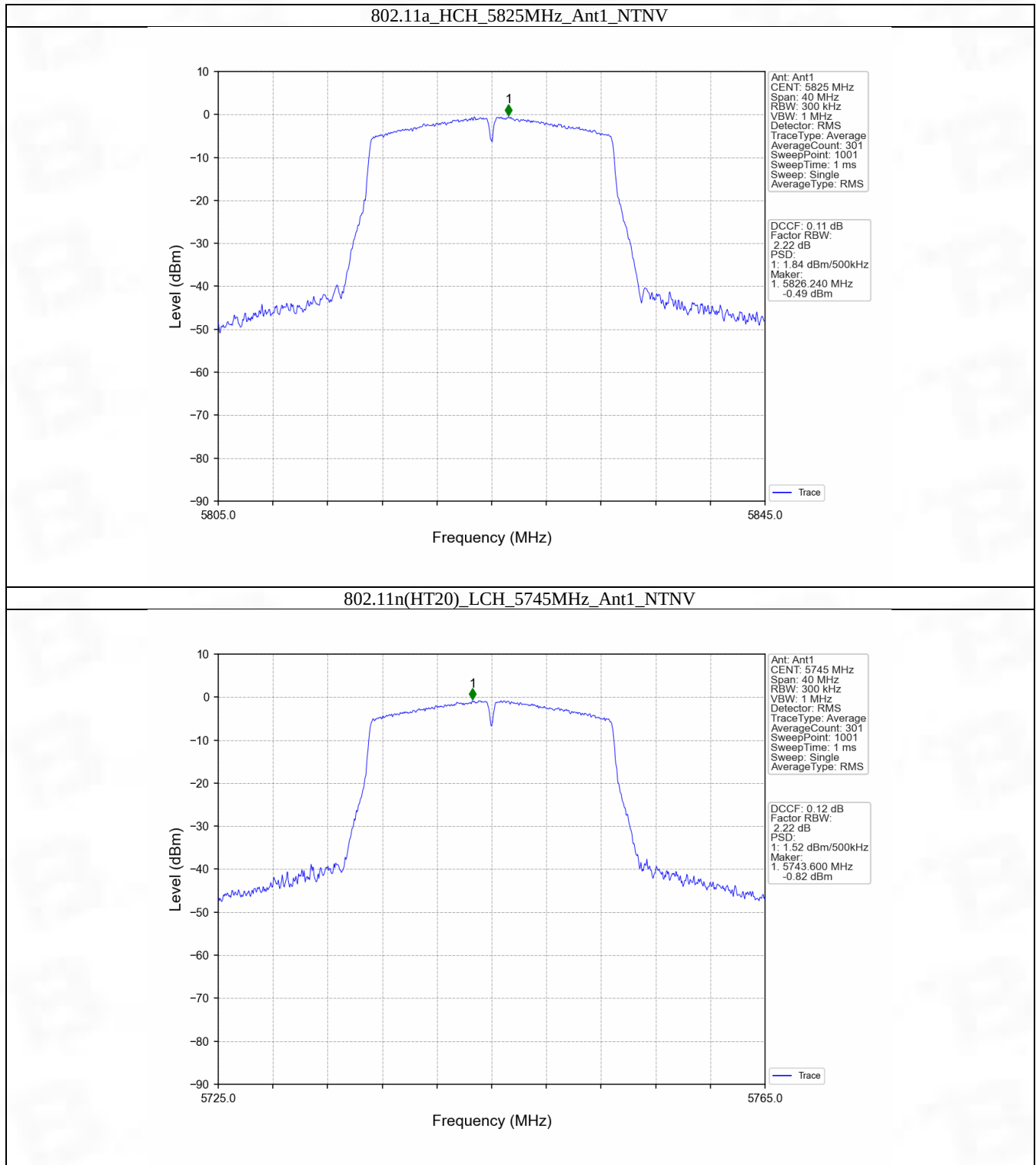
### 4.2.1 Test Result

| Mode             | TX Type | Frequency (MHz) | Maximum PSD (dBm/500kHz) |       | Verdict |
|------------------|---------|-----------------|--------------------------|-------|---------|
|                  |         |                 | ANT1                     | Limit |         |
| 802.11a          | SISO    | 5745            | 1.47                     | <=30  | Pass    |
|                  |         | 5785            | 1.72                     | <=30  | Pass    |
|                  |         | 5825            | 1.84                     | <=30  | Pass    |
| 802.11n (HT20)   | SISO    | 5745            | 1.52                     | <=30  | Pass    |
|                  |         | 5785            | 1.78                     | <=30  | Pass    |
|                  |         | 5825            | 1.96                     | <=30  | Pass    |
| 802.11n (HT40)   | SISO    | 5755            | -1.21                    | <=30  | Pass    |
|                  |         | 5795            | -1.20                    | <=30  | Pass    |
| 802.11ac (VHT20) | SISO    | 5745            | 1.49                     | <=30  | Pass    |
|                  |         | 5785            | 1.65                     | <=30  | Pass    |
|                  |         | 5825            | 1.90                     | <=30  | Pass    |
| 802.11ac (VHT40) | SISO    | 5755            | -1.49                    | <=30  | Pass    |
|                  |         | 5795            | -1.07                    | <=30  | Pass    |
| 802.11ac (VHT80) | SISO    | 5775            | -2.40                    | <=30  | Pass    |

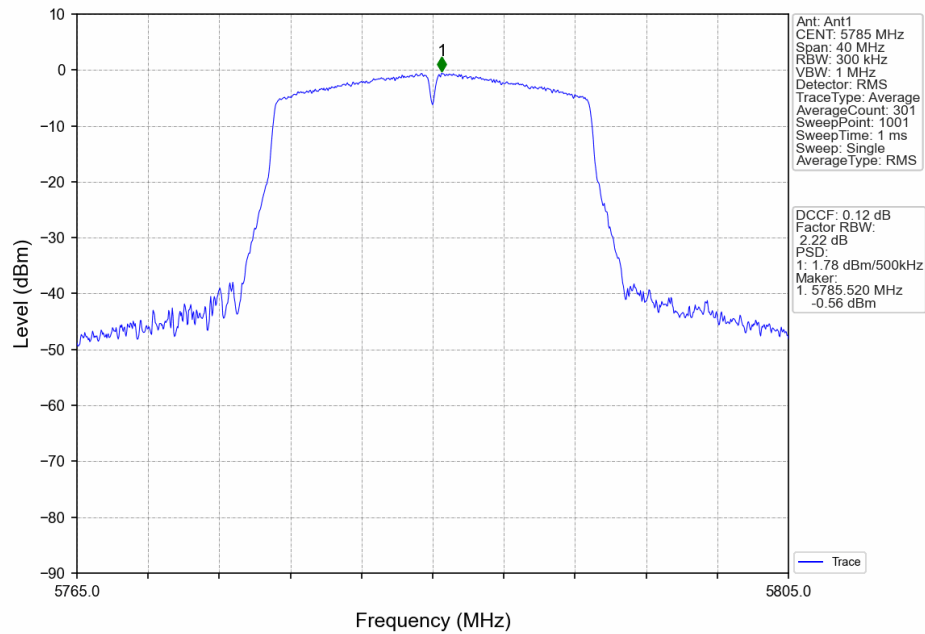
Note1: Antenna Gain: Ant1: 1.09dBi;

## 4.2.2 Test Graph

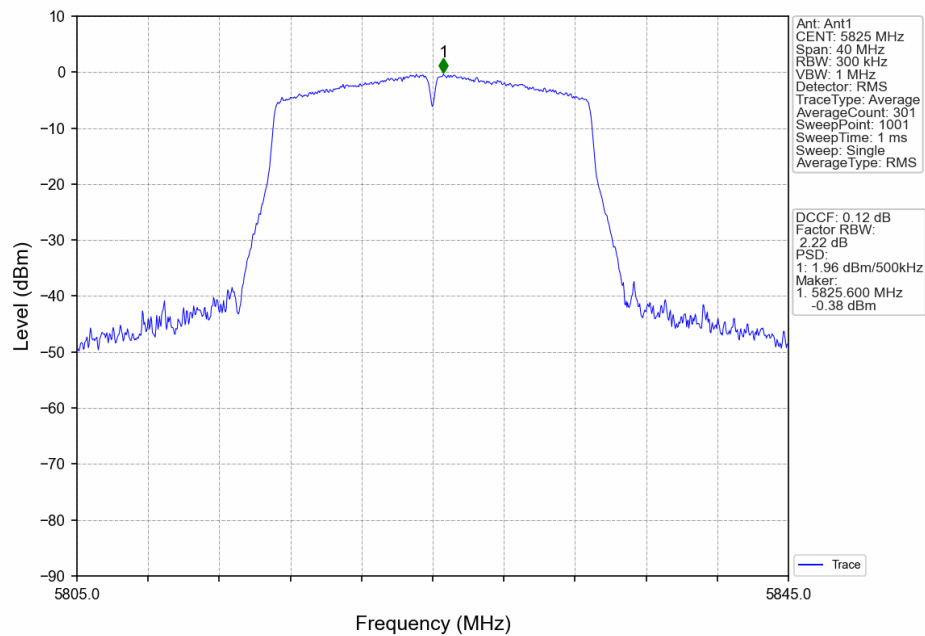




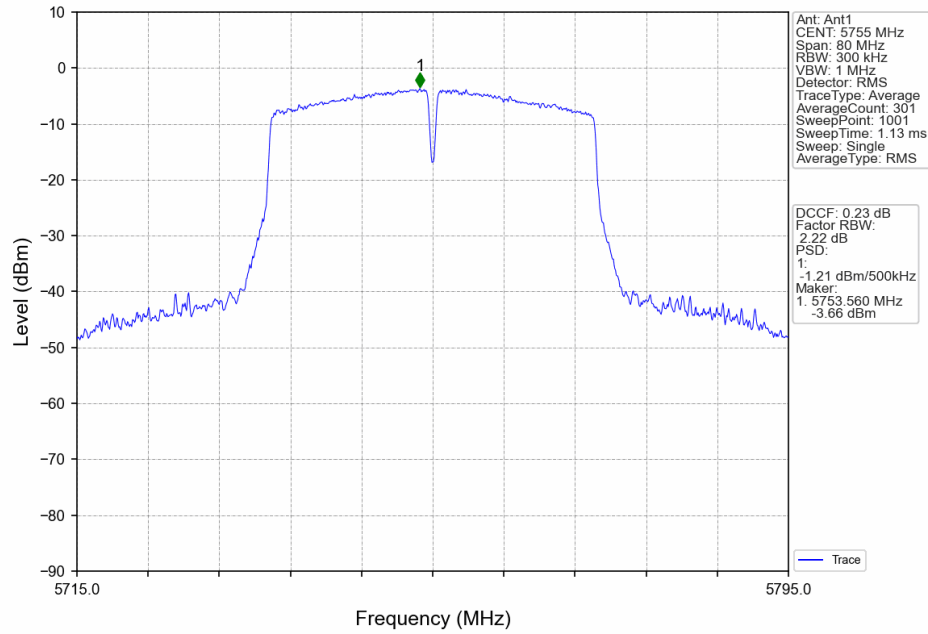
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



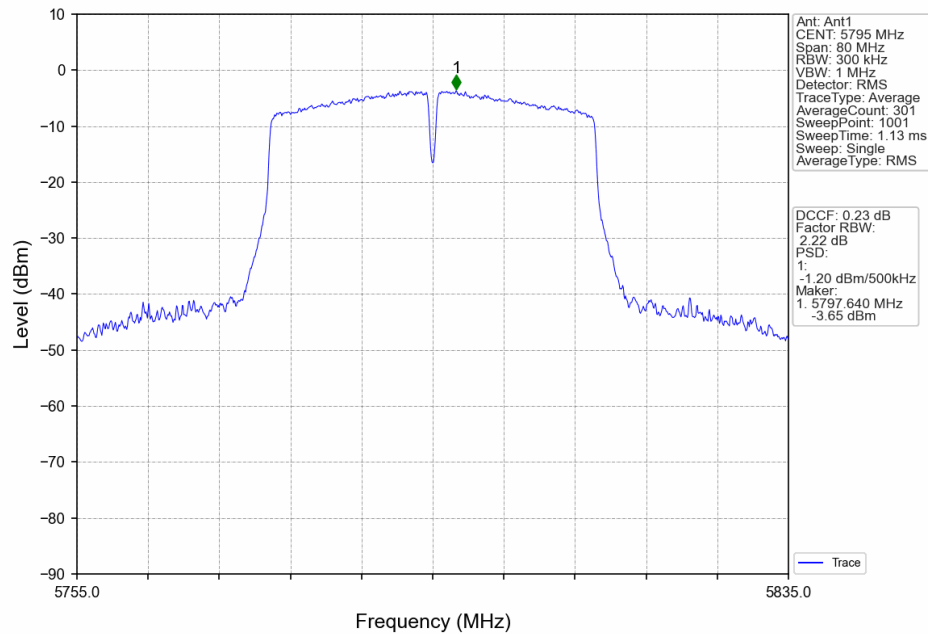
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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

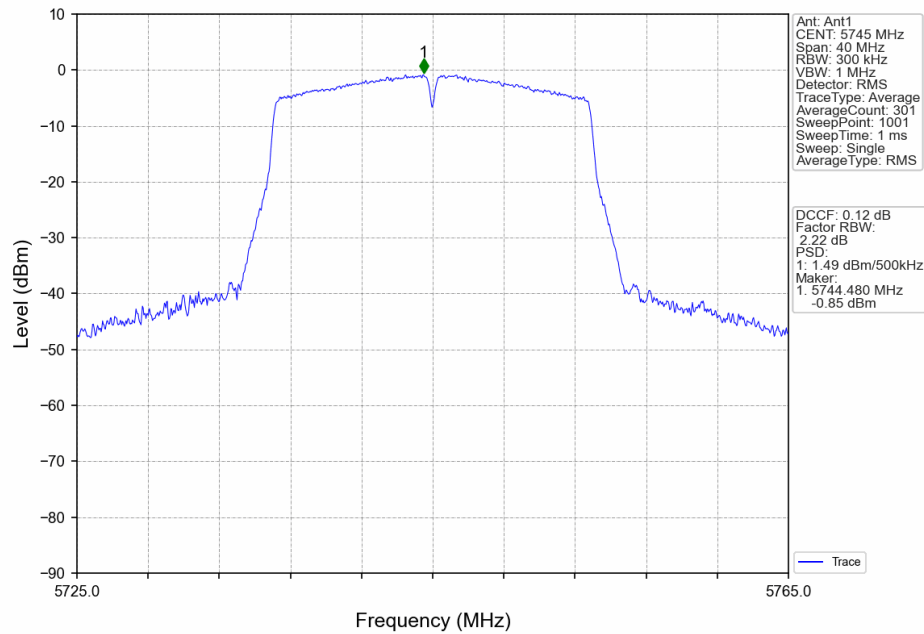


802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV

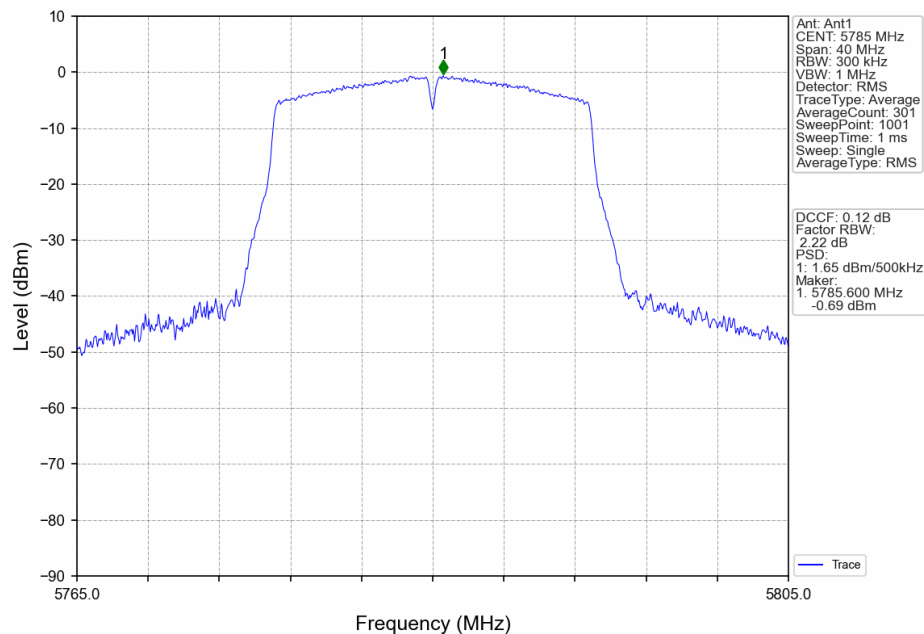




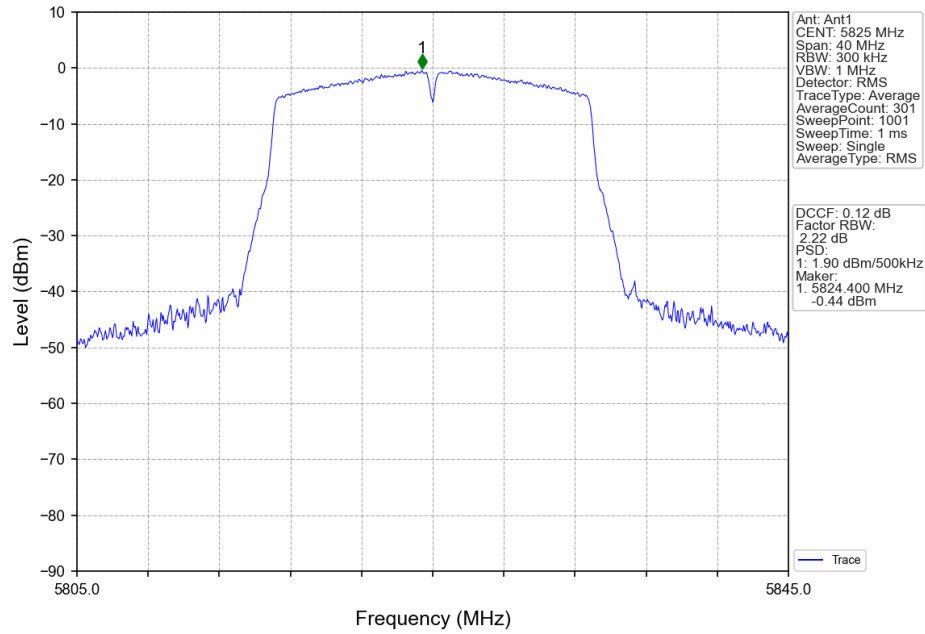
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



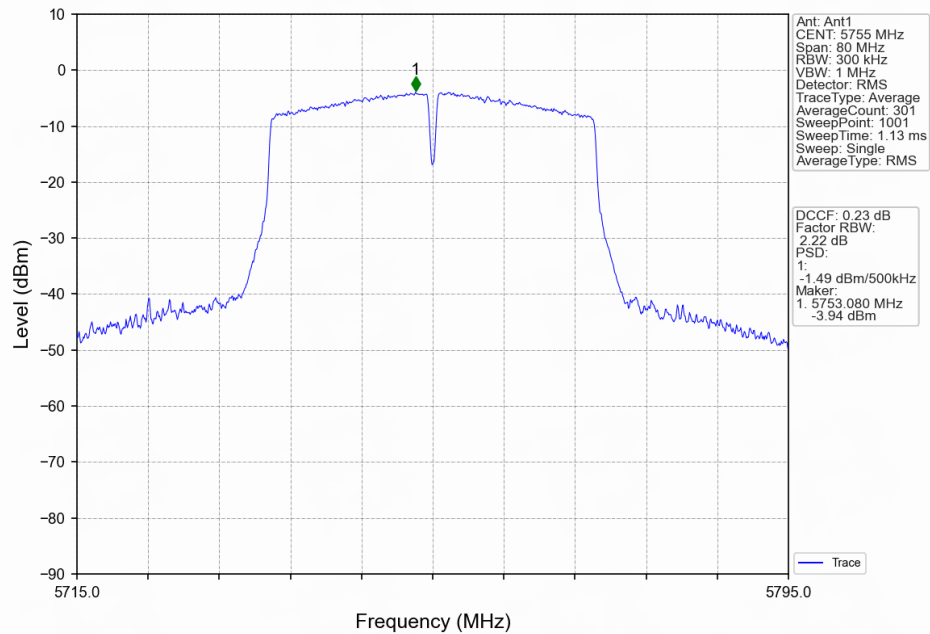
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



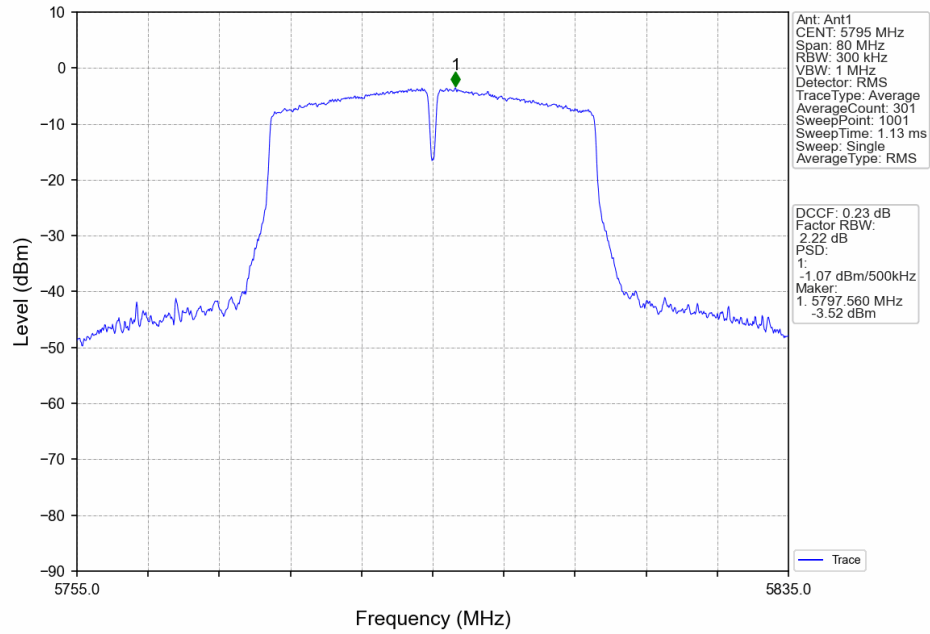
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



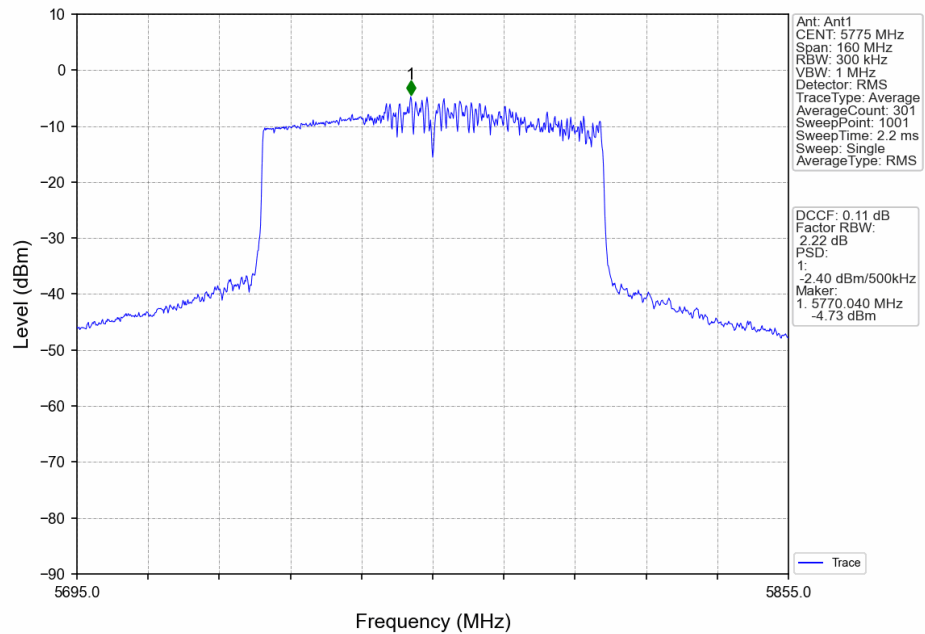
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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



## 5. Form731

### 5.1 Form731

#### 5.1.1 Test Result

| Lower Freq (MHz) | High Freq (MHz) | MAX Power (W) | MAX Power (dBm) |
|------------------|-----------------|---------------|-----------------|
| 5180             | 5240            | 0.0305        | 14.84           |
| 5745             | 5825            | 0.0401        | 16.03           |
| 5190             | 5230            | 0.0296        | 14.72           |
| 5755             | 5795            | 0.0388        | 15.89           |
| 5210             | 5210            | 0.0223        | 13.48           |



Test Report Number: BTF230921R00704



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**--END OF REPORT--**