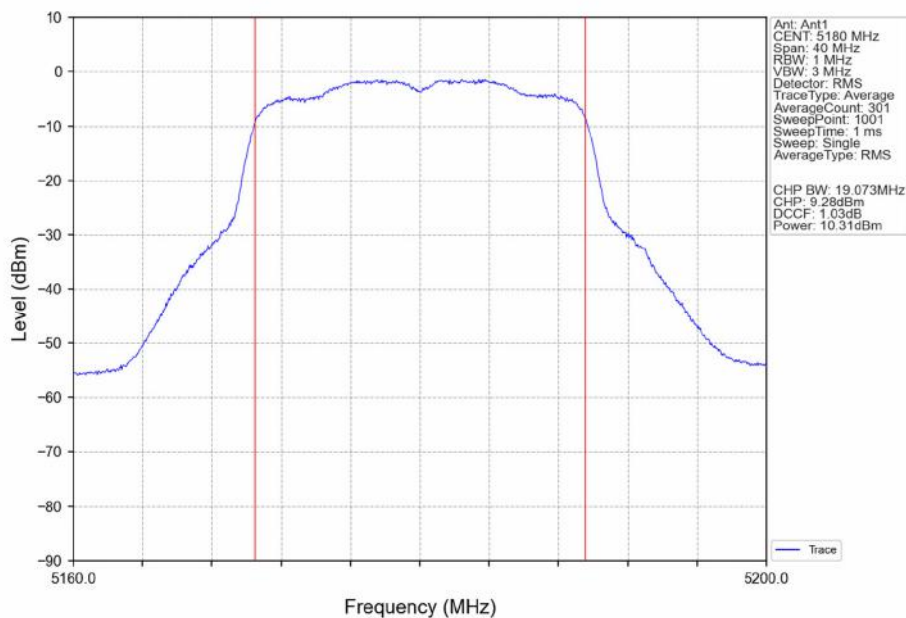
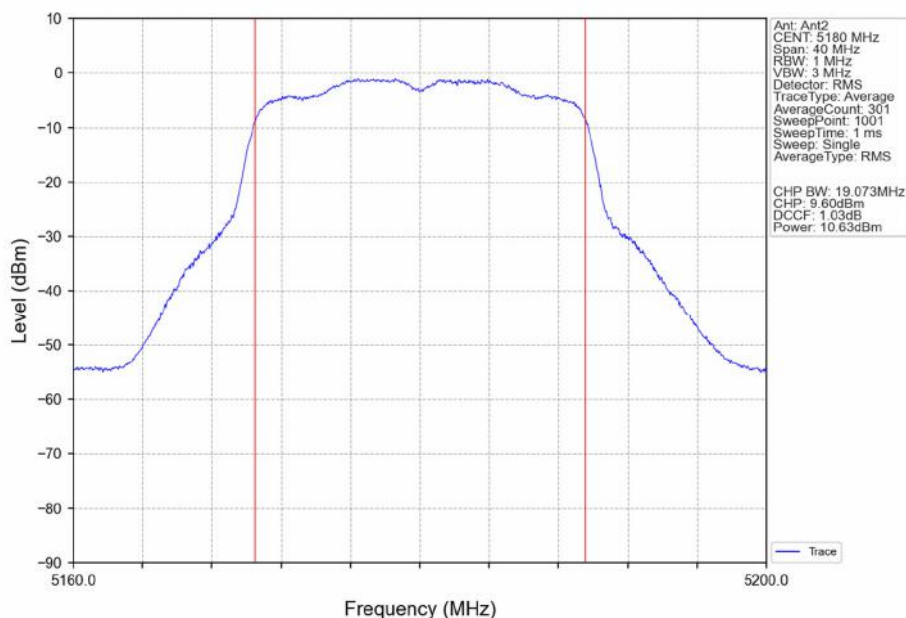


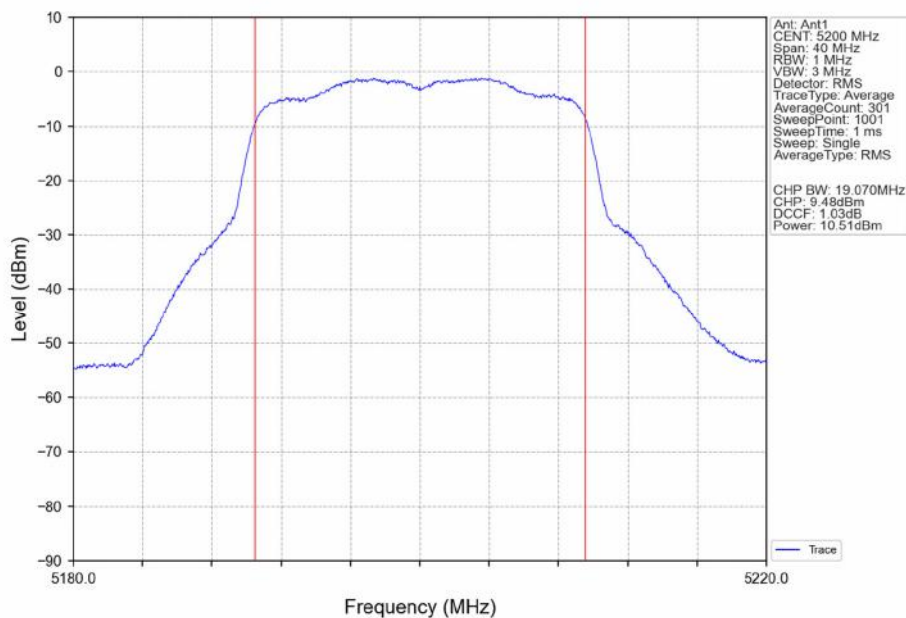
802.11ax(HEW20) LCH\_5180MHz\_SU / Ant1\_NTNV



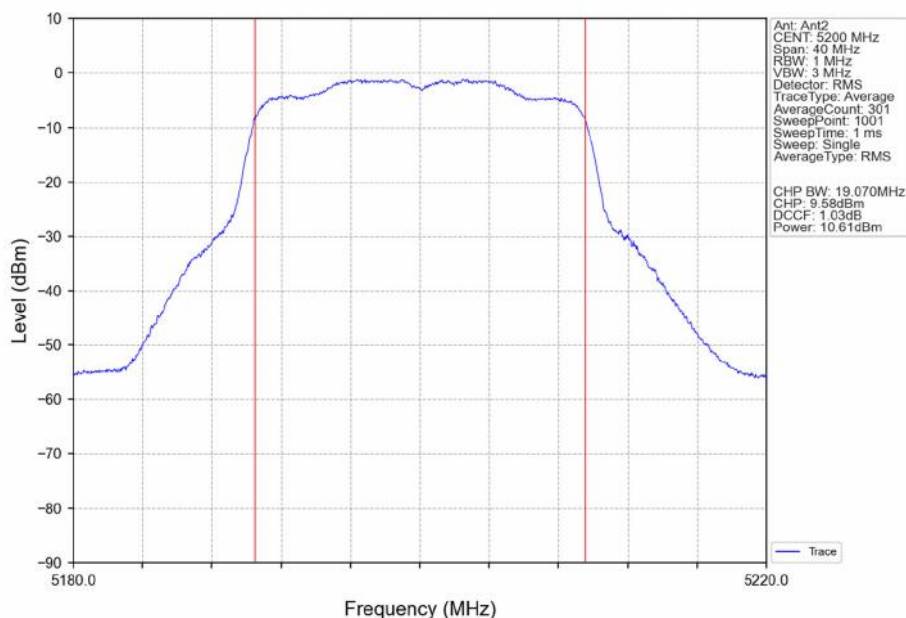
802.11ax(HEW20) LCH\_5180MHz\_SU / Ant2\_NTNV



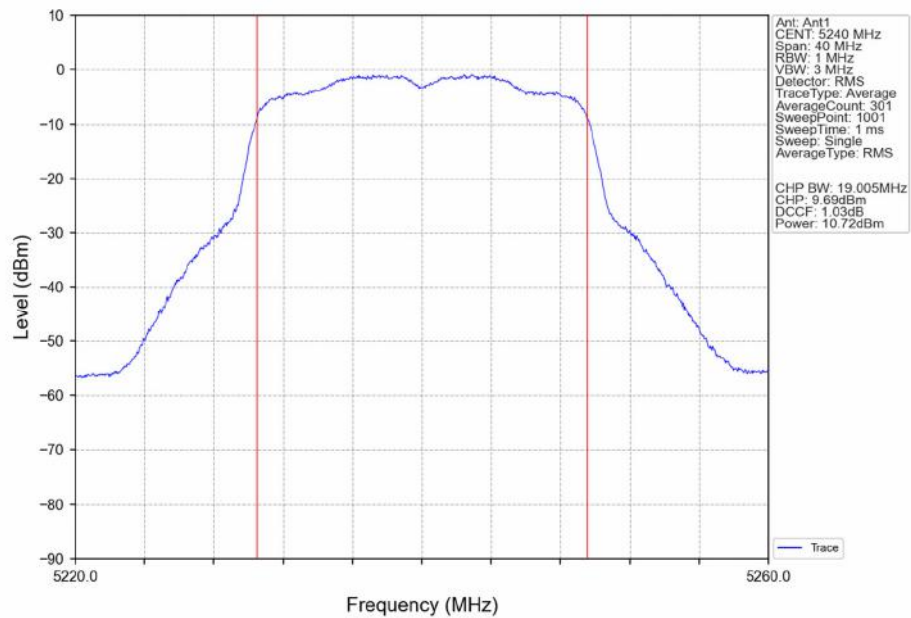
802.11ax(HEW20) MCH\_5200MHz\_SU\_ / Ant1\_NTNV



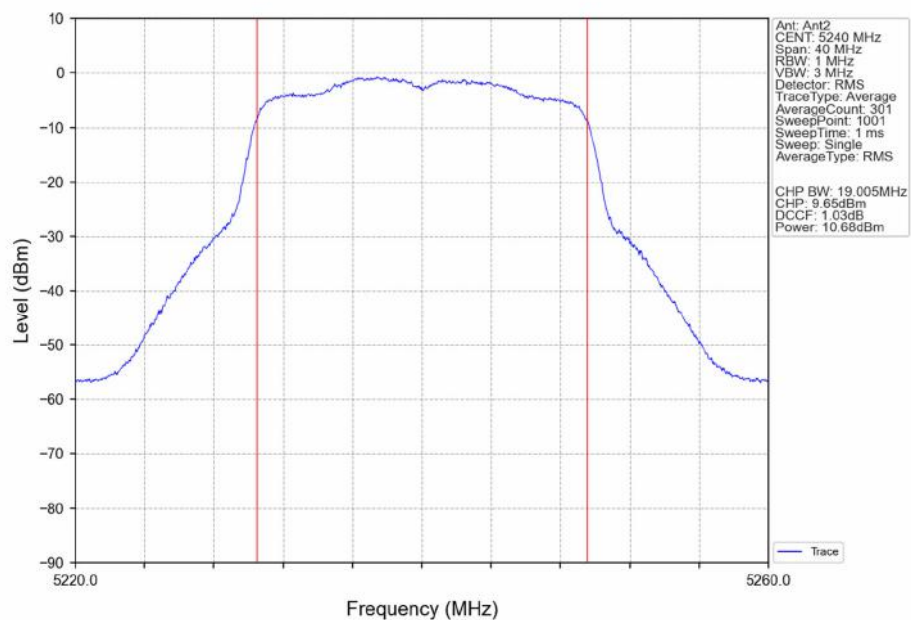
802.11ax(HEW20) MCH\_5200MHz\_SU\_ / Ant2\_NTNV



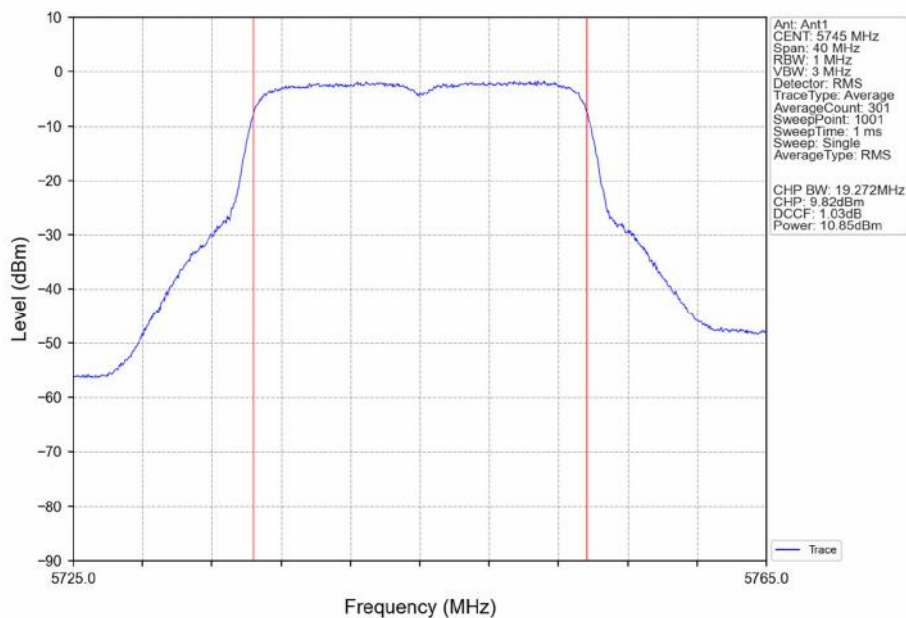
802.11ax(HEW20) HCH\_5240MHz\_SU\_ / Ant1\_NTNV



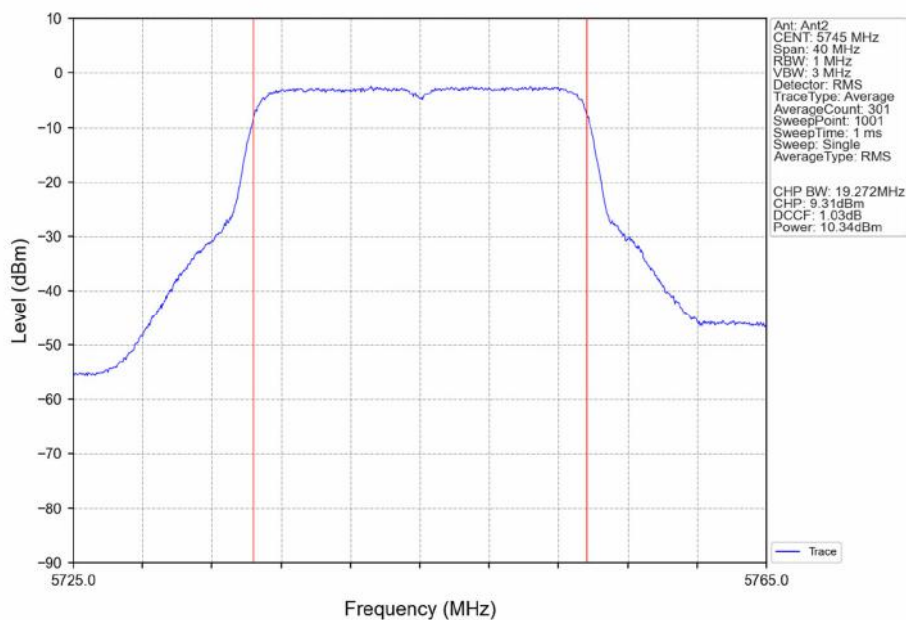
802.11ax(HEW20) HCH\_5240MHz\_SU\_ / Ant2\_NTNV



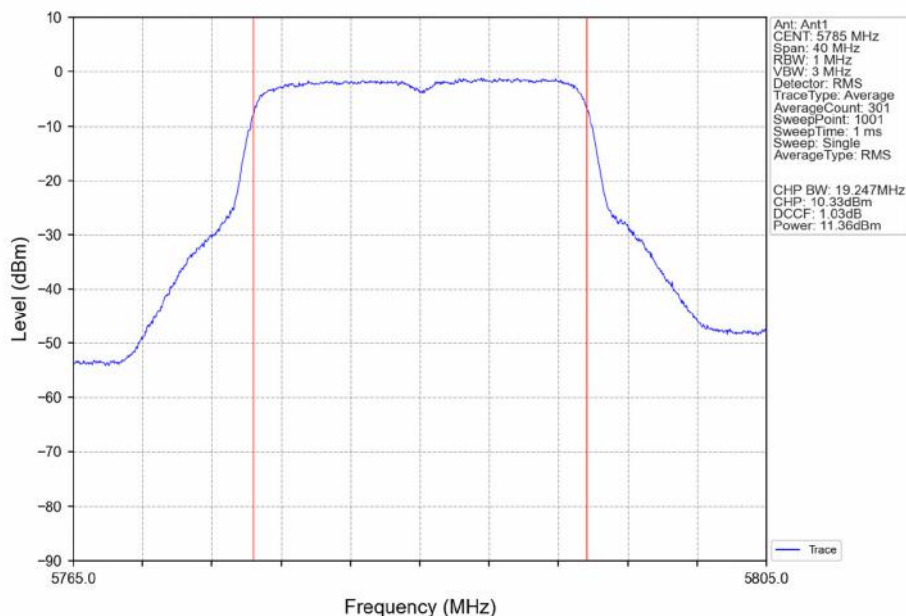
802.11ax(HEW20) LCH\_5745MHz\_SU / Ant1\_NTNV



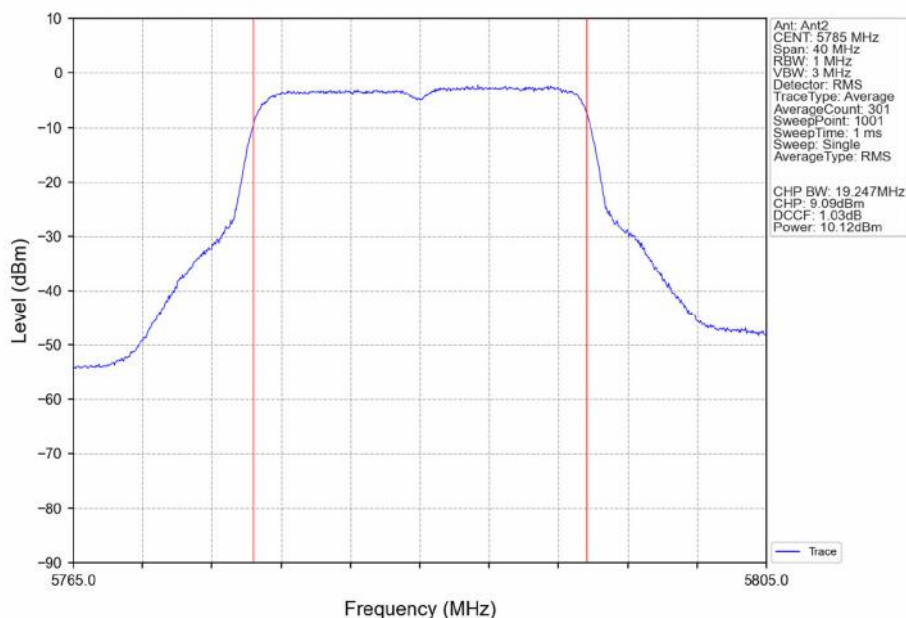
802.11ax(HEW20) LCH\_5745MHz\_SU / Ant2\_NTNV



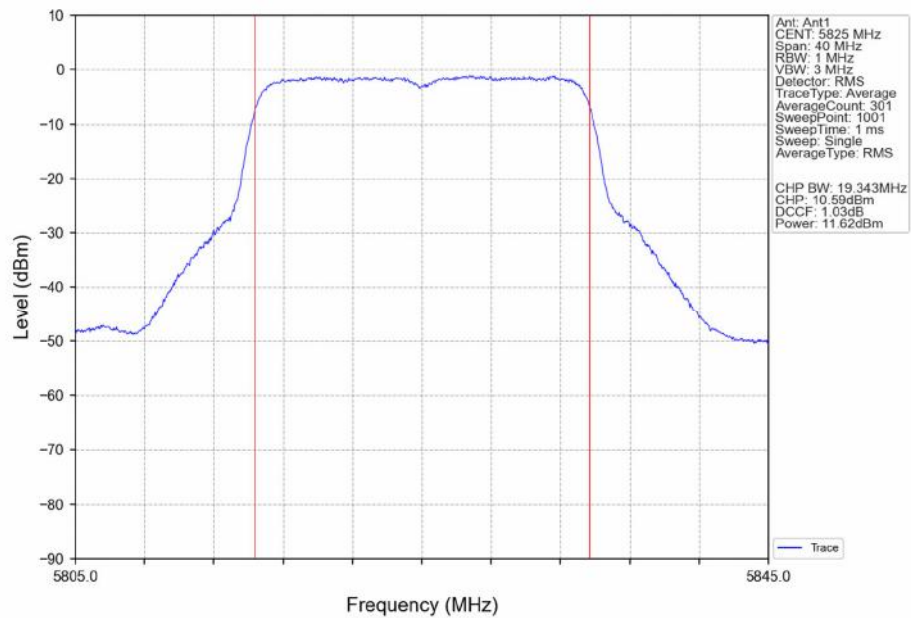
802.11ax(HEW20) MCH\_5785MHz\_SU / Ant1\_NTNV



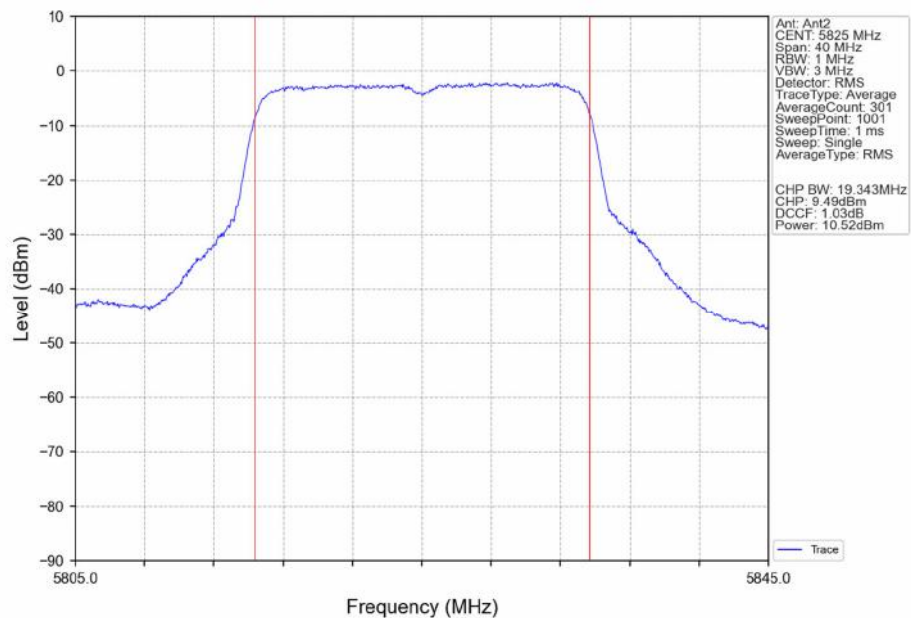
802.11ax(HEW20) MCH\_5785MHz\_SU / Ant2\_NTNV



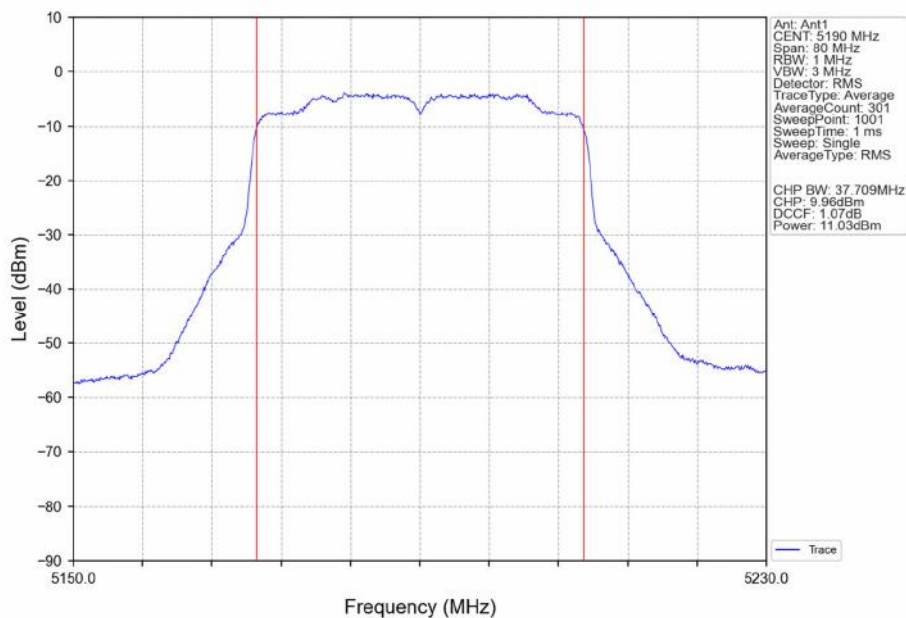
802.11ax(HEW20) HCH\_5825MHz\_SU\_ / Ant1\_NTNV



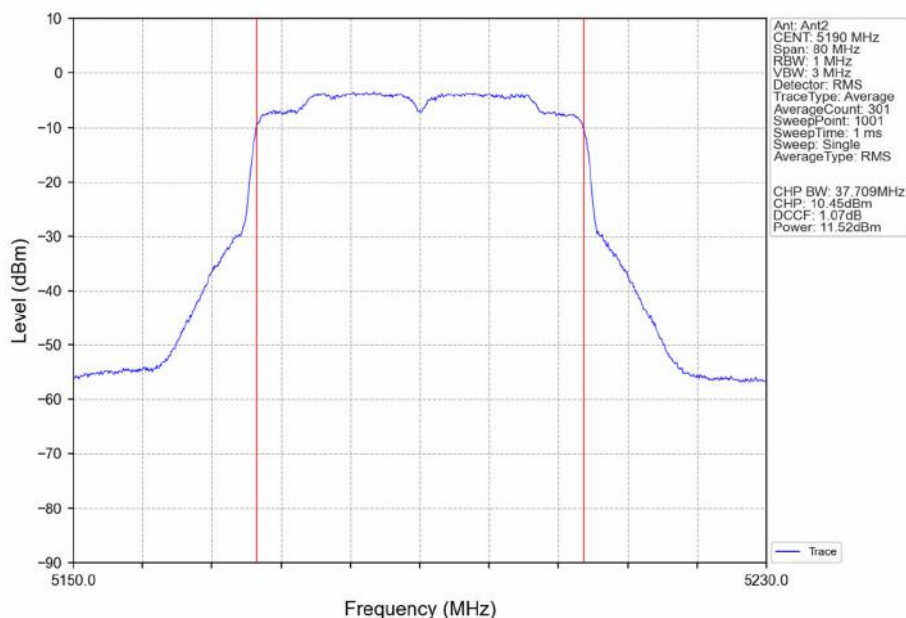
802.11ax(HEW20) HCH\_5825MHz\_SU\_ / Ant2\_NTNV



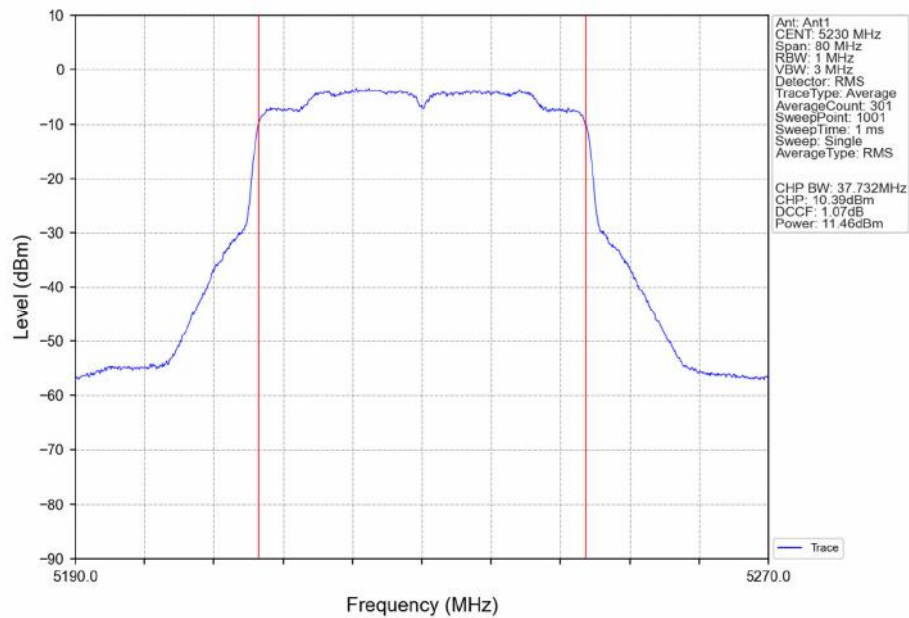
802.11ax(HEW40) LCH\_5190MHz\_SU / Ant1\_NTNV



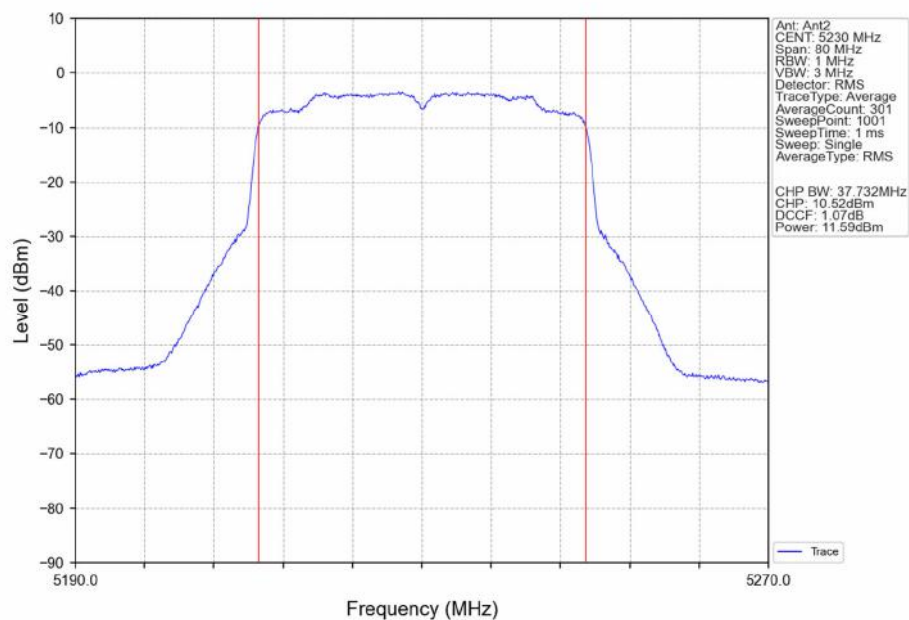
802.11ax(HEW40) LCH\_5190MHz\_SU / Ant2\_NTNV



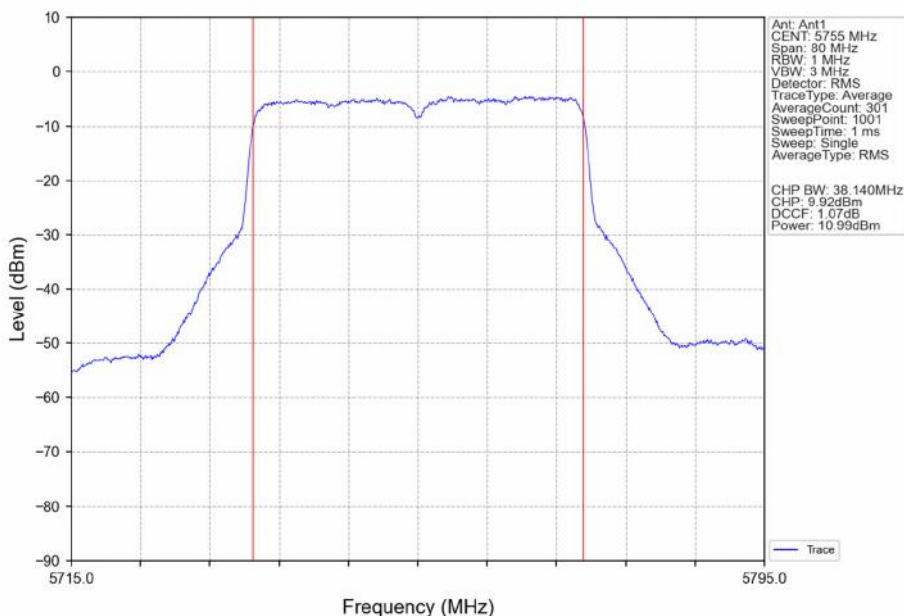
802.11ax(HEW40) HCH\_5230MHz\_SU\_ / Ant1\_NTNV



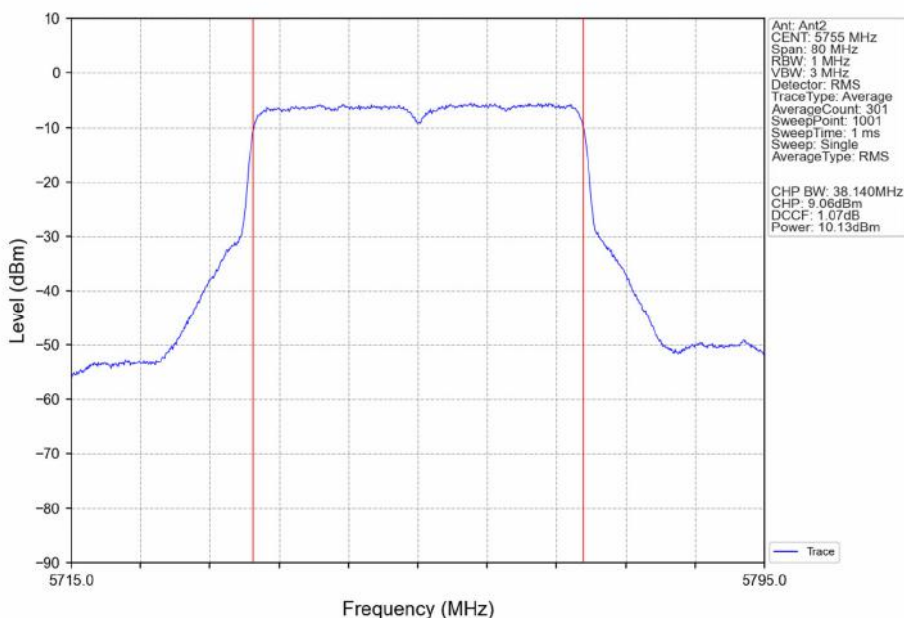
802.11ax(HEW40) HCH\_5230MHz\_SU\_ / Ant2\_NTNV



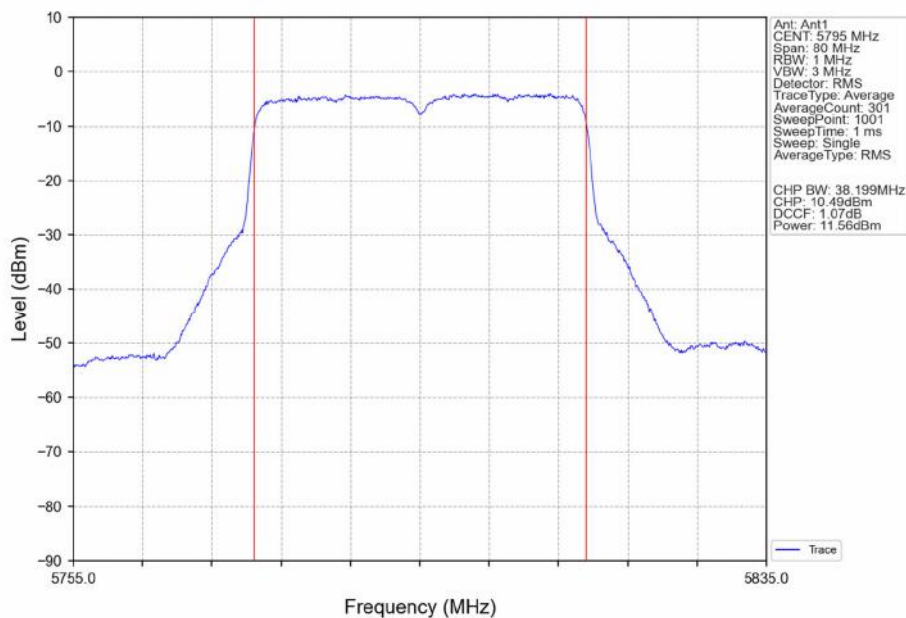
802.11ax(HEW40) LCH\_5755MHz\_SU\_ / Ant1\_NTNV



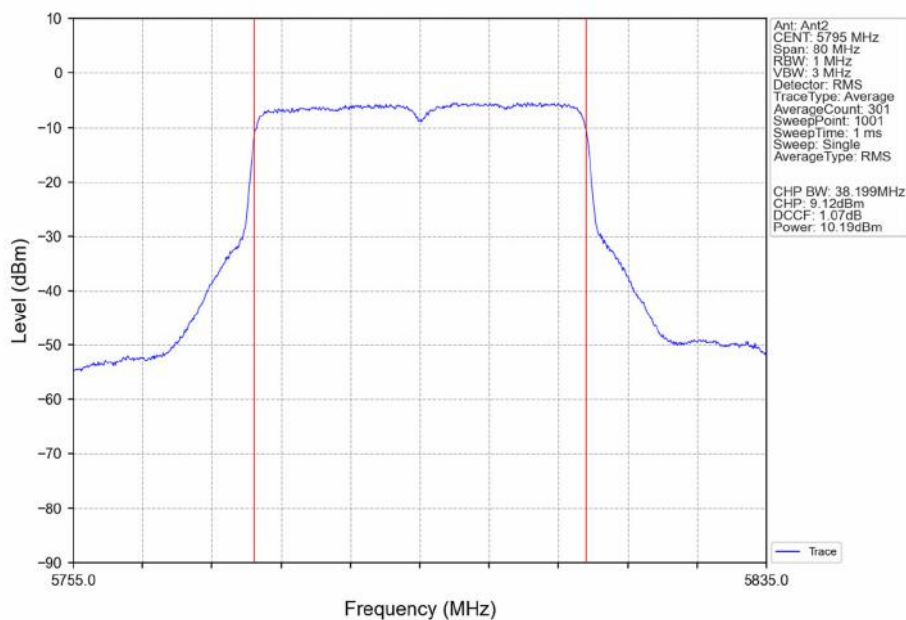
802.11ax(HEW40) LCH\_5755MHz\_SU\_ / Ant2\_NTNV



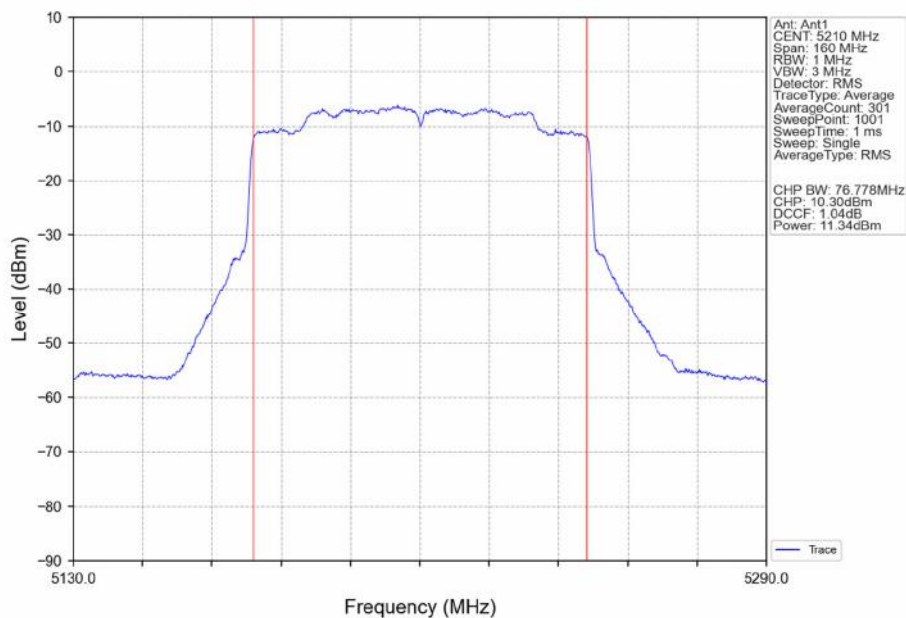
802.11ax(HEW40) HCH\_5795MHz\_SU\_ / Ant1\_NTNV



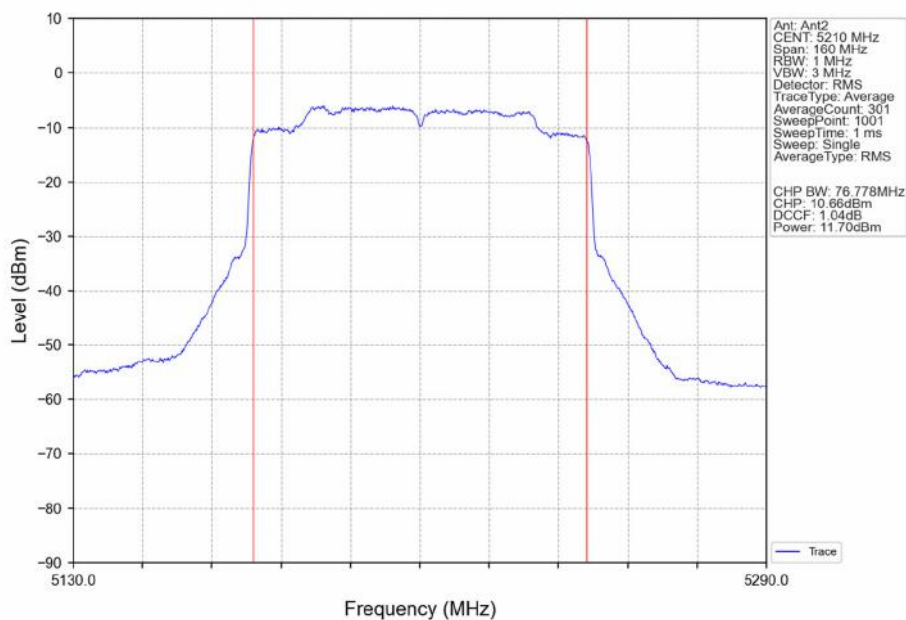
802.11ax(HEW40) HCH\_5795MHz\_SU\_ / Ant2\_NTNV



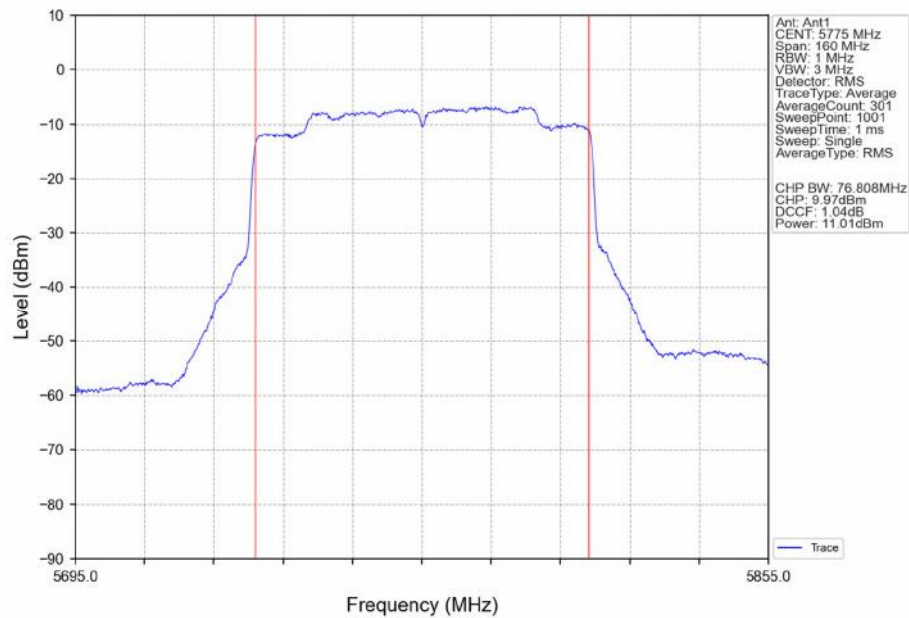
802.11ax(HEW80) MCH\_5210MHz\_SU / Ant1\_NTNV



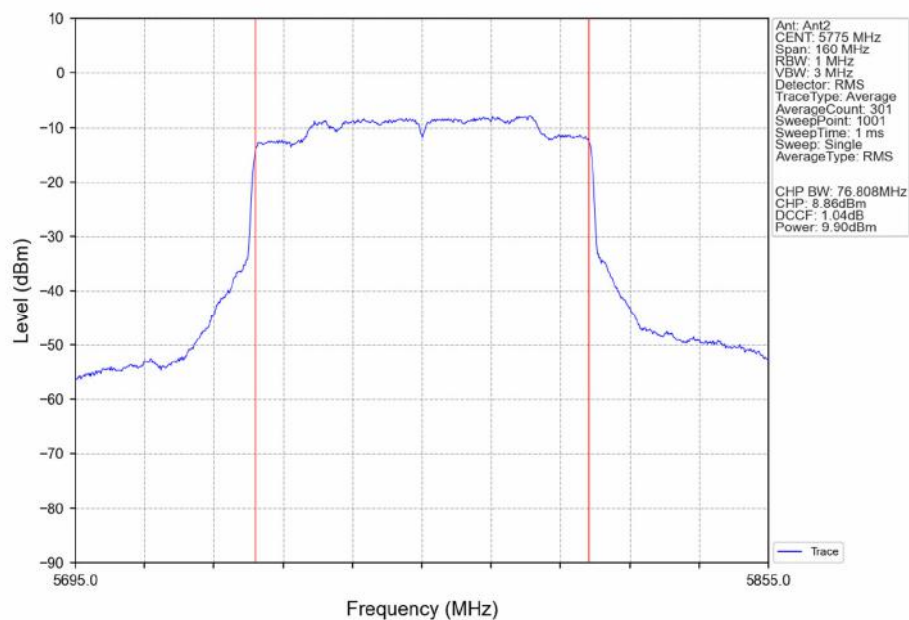
802.11ax(HEW80) MCH\_5210MHz\_SU / Ant2\_NTNV



802.11ax(HEW80) MCH\_5775MHz\_SU\_ / Ant1\_NTNV



802.11ax(HEW80) MCH\_5775MHz\_SU\_ / Ant2\_NTNV



#### 4. Maximum Power Spectral Density

##### 4.1 Test Result

##### 4.1.1 PSD

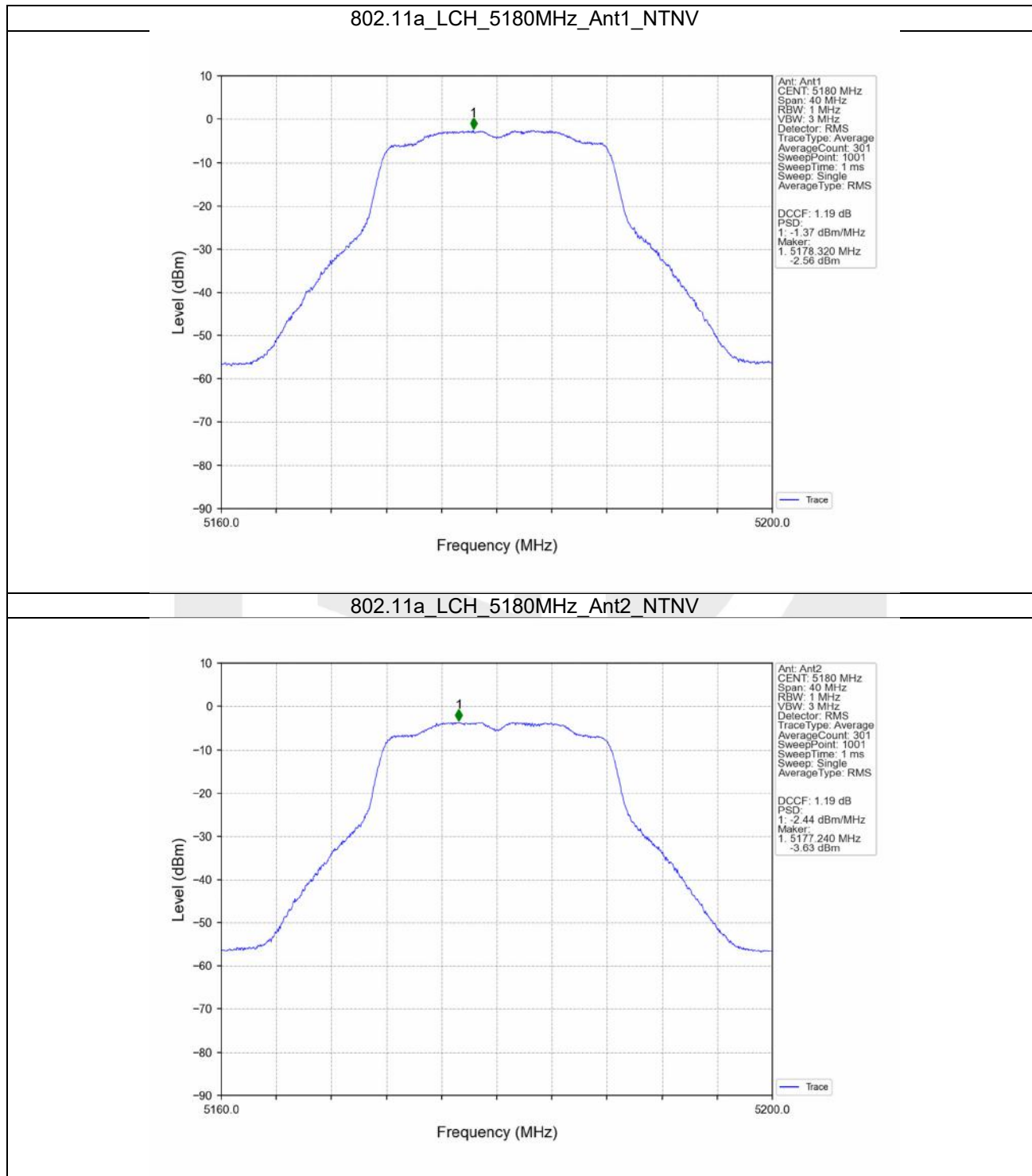
| Mode                                                                                                                                                                                                                           | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/MHz) |       |       |       | Verdict |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|----|--------|-----------------------|-------|-------|-------|---------|
|                                                                                                                                                                                                                                |         |                 |    |        | ANT1                  | ANT2  | MIMO  | Limit |         |
| 802.11a                                                                                                                                                                                                                        | SISO    | 5180            | /  | /      | -1.37                 | -2.44 | /     | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5200            | /  | /      | -1.15                 | -1.38 | /     | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5240            | /  | /      | -0.86                 | -0.29 | /     | <=11  | Pass    |
| 802.11n (HT20)                                                                                                                                                                                                                 | MIMO    | 5180            | /  | /      | 1.20                  | -0.68 | 3.37  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5200            | /  | /      | 1.18                  | -0.59 | 3.39  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5240            | /  | /      | 0.96                  | -0.19 | 3.43  | <=11  | Pass    |
| 802.11n (HT40)                                                                                                                                                                                                                 | MIMO    | 5190            | /  | /      | -3.52                 | -3.15 | -0.32 | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5230            | /  | /      | -3.18                 | -2.76 | 0.05  | <=11  | Pass    |
| 802.11ac (VHT20)                                                                                                                                                                                                               | MIMO    | 5180            | /  | /      | -0.49                 | 0.04  | 2.79  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5200            | /  | /      | -0.16                 | 0.16  | 3.01  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5240            | /  | /      | 0.19                  | 0.26  | 3.24  | <=11  | Pass    |
| 802.11ac (VHT40)                                                                                                                                                                                                               | MIMO    | 5190            | /  | /      | -2.70                 | -2.44 | 0.44  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5230            | /  | /      | -2.26                 | -2.43 | 0.67  | <=11  | Pass    |
| 802.11ac (VHT80)                                                                                                                                                                                                               | MIMO    | 5210            | /  | /      | -5.95                 | -6.19 | -3.06 | <=11  | Pass    |
| 802.11ax (HEW20)                                                                                                                                                                                                               | MIMO    | 5180            | SU | /      | -0.40                 | -0.01 | 2.81  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5200            | SU | /      | -0.09                 | 0.27  | 3.10  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5240            | SU | /      | 0.00                  | 0.23  | 3.13  | <=11  | Pass    |
| 802.11ax (HEW40)                                                                                                                                                                                                               | MIMO    | 5190            | SU | /      | -2.91                 | -2.39 | 0.37  | <=11  | Pass    |
|                                                                                                                                                                                                                                |         | 5230            | SU | /      | -2.31                 | -2.17 | 0.77  | <=11  | Pass    |
| 802.11ax (HEW80)                                                                                                                                                                                                               | MIMO    | 5210            | SU | /      | -5.27                 | -4.98 | -2.11 | <=11  | Pass    |
| Note1: Antenna Gain: Ant1: -1.61dBi; Ant2: -1.29dBi;<br>Note2: Directional Gain: Correlated (Directional Gain =1.56dBi)<br>Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi |         |                 |    |        |                       |       |       |       |         |

#### 4.1.2 PSD-Band3

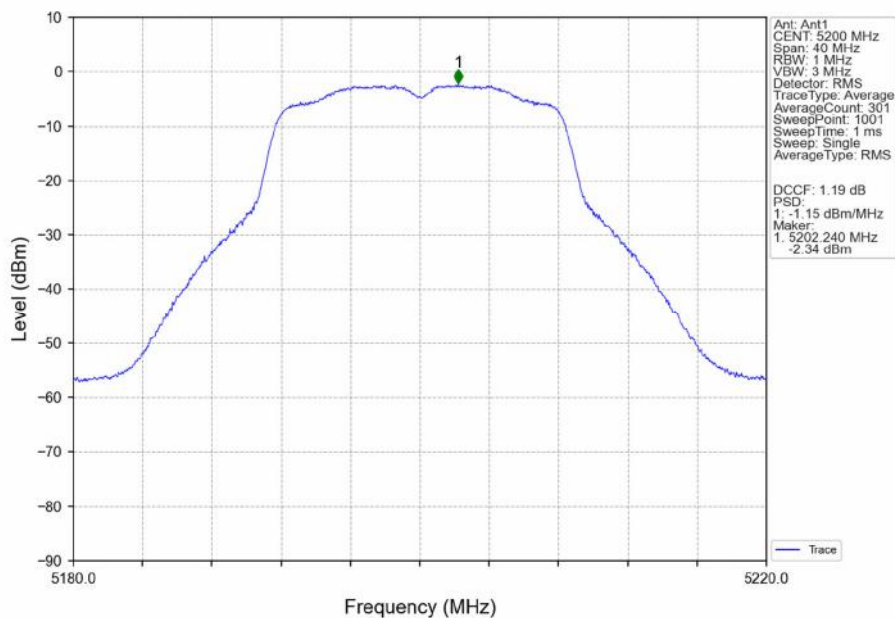
| Mode                                                                                                                                                                                                                           | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/500kHz) |       |       |       | Verdict |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|----|--------|--------------------------|-------|-------|-------|---------|
|                                                                                                                                                                                                                                |         |                 |    |        | ANT1                     | ANT2  | MIMO  | Limit |         |
| 802.11a                                                                                                                                                                                                                        | SISO    | 5745            | /  | /      | -4.26                    | -3.13 | /     | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5785            | /  | /      | -3.75                    | -3.73 | /     | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5825            | /  | /      | -3.98                    | -3.47 | /     | <=30  | Pass    |
| 802.11n (HT20)                                                                                                                                                                                                                 | MIMO    | 5745            | /  | /      | -3.33                    | -3.78 | -0.54 | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5785            | /  | /      | -2.52                    | -3.87 | -0.13 | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5825            | /  | /      | -2.16                    | -3.94 | 0.05  | <=30  | Pass    |
| 802.11n (HT40)                                                                                                                                                                                                                 | MIMO    | 5755            | /  | /      | -5.15                    | -6.56 | -2.79 | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5795            | /  | /      | -5.16                    | -6.24 | -2.66 | <=30  | Pass    |
| 802.11ac (VHT20)                                                                                                                                                                                                               | MIMO    | 5745            | /  | /      | -2.96                    | -2.96 | 0.05  | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5785            | /  | /      | -2.64                    | -3.28 | 0.06  | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5825            | /  | /      | -2.18                    | -3.06 | 0.41  | <=30  | Pass    |
| 802.11ac (VHT40)                                                                                                                                                                                                               | MIMO    | 5755            | /  | /      | -5.46                    | -6.37 | -2.88 | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5795            | /  | /      | -5.16                    | -6.43 | -2.74 | <=30  | Pass    |
| 802.11ac (VHT80)                                                                                                                                                                                                               | MIMO    | 5775            | /  | /      | -6.80                    | -8.12 | -4.40 | <=30  | Pass    |
| 802.11ax (HEW20)                                                                                                                                                                                                               | MIMO    | 5745            | SU | /      | -2.83                    | -3.30 | -0.05 | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5785            | SU | /      | -2.34                    | -3.46 | 0.15  | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5825            | SU | /      | -2.21                    | -3.51 | 0.20  | <=30  | Pass    |
| 802.11ax (HEW40)                                                                                                                                                                                                               | MIMO    | 5755            | SU | /      | -5.49                    | -6.81 | -3.09 | <=30  | Pass    |
|                                                                                                                                                                                                                                |         | 5795            | SU | /      | -5.45                    | -6.65 | -3.00 | <=30  | Pass    |
| 802.11ax (HEW80)                                                                                                                                                                                                               | MIMO    | 5775            | SU | /      | -7.39                    | -8.66 | -4.97 | <=30  | Pass    |
| Note1: Antenna Gain: Ant1: -0.24dBi; Ant2: -1.88dBi;<br>Note2: Directional Gain: Correlated (Directional Gain =1.99dBi)<br>Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi |         |                 |    |        |                          |       |       |       |         |

## 4.2 Test Graph

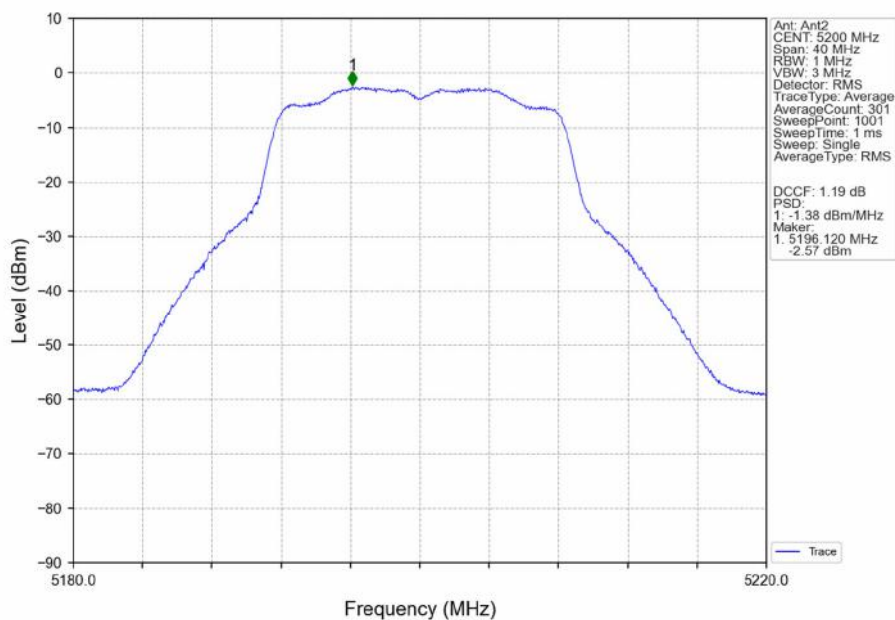
### 4.2.1 PSD



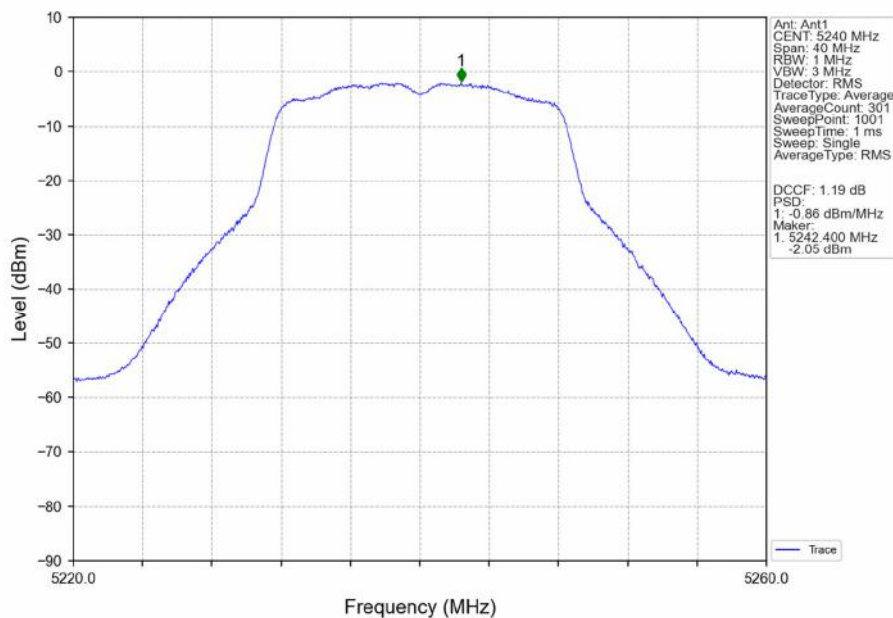
802.11a\_MCH\_5200MHz\_Ant1\_NTNV



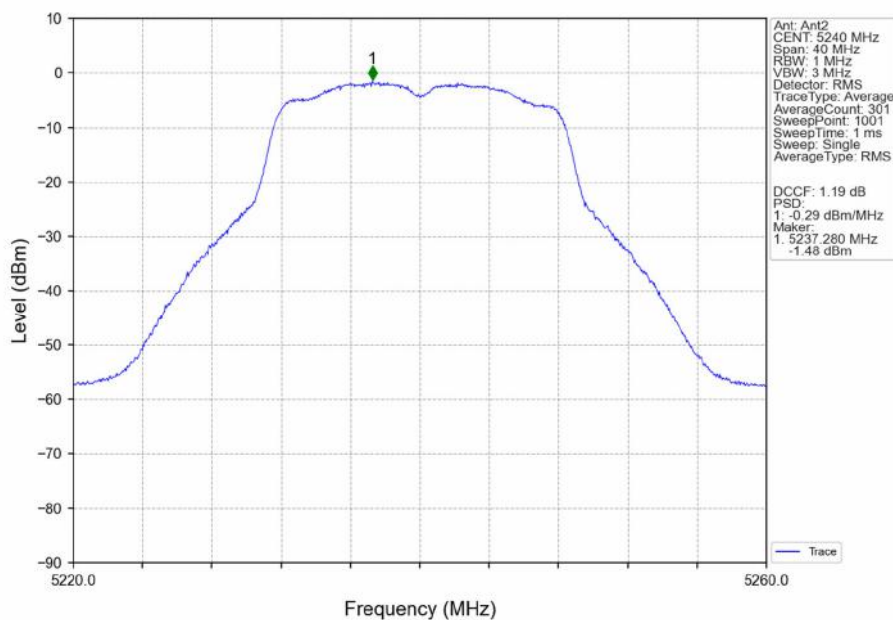
802.11a\_MCH\_5200MHz\_Ant2\_NTNV



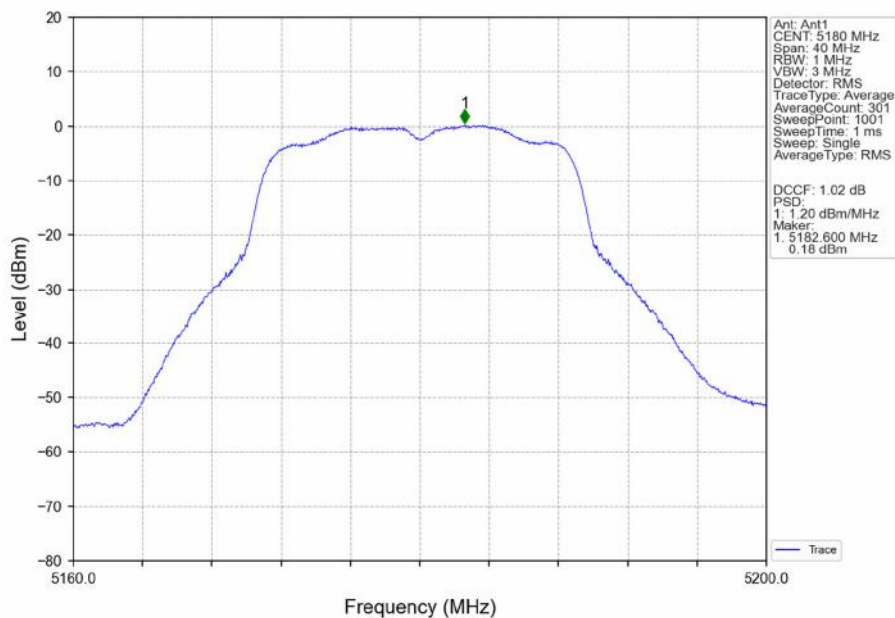
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



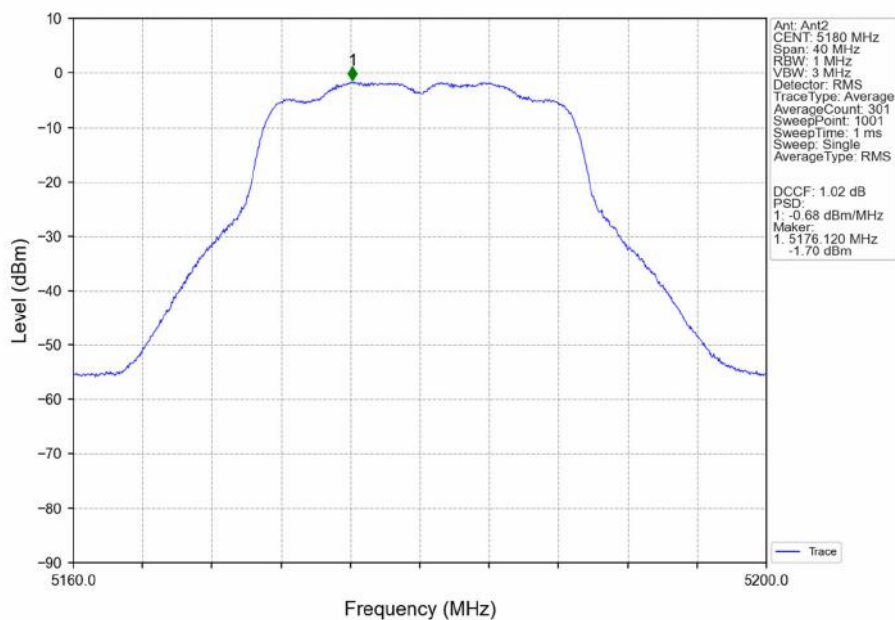
802.11a\_HCH\_5240MHz\_Ant2\_NTNV



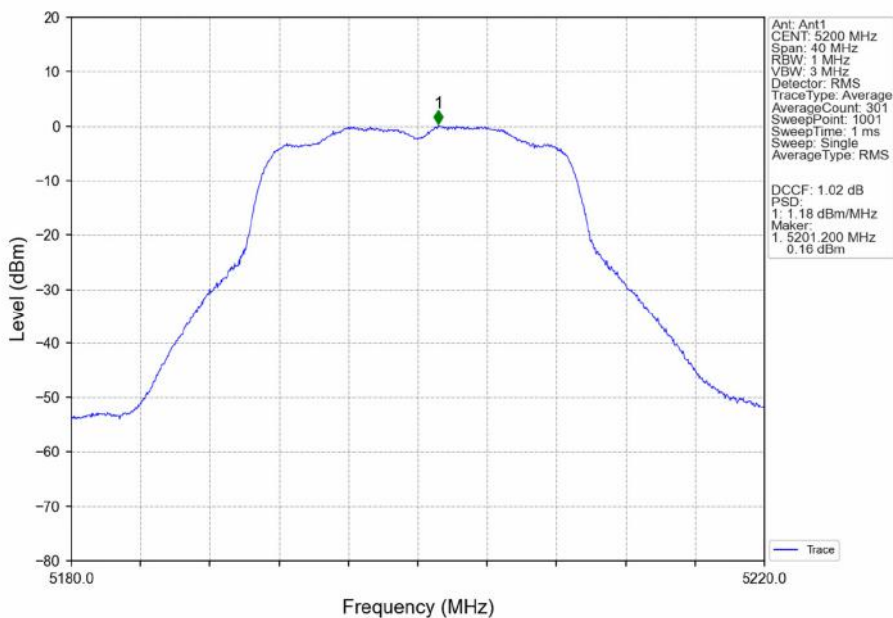
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



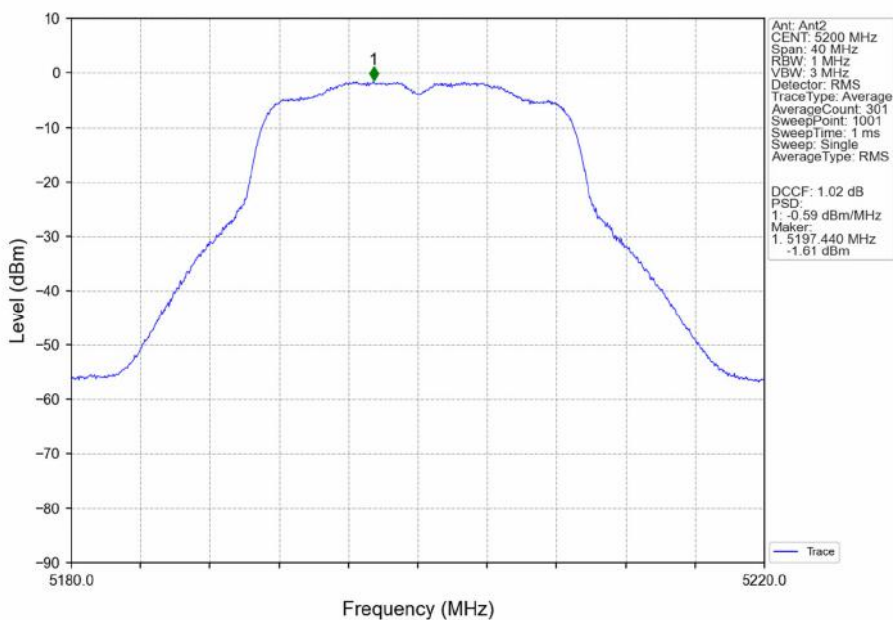
802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



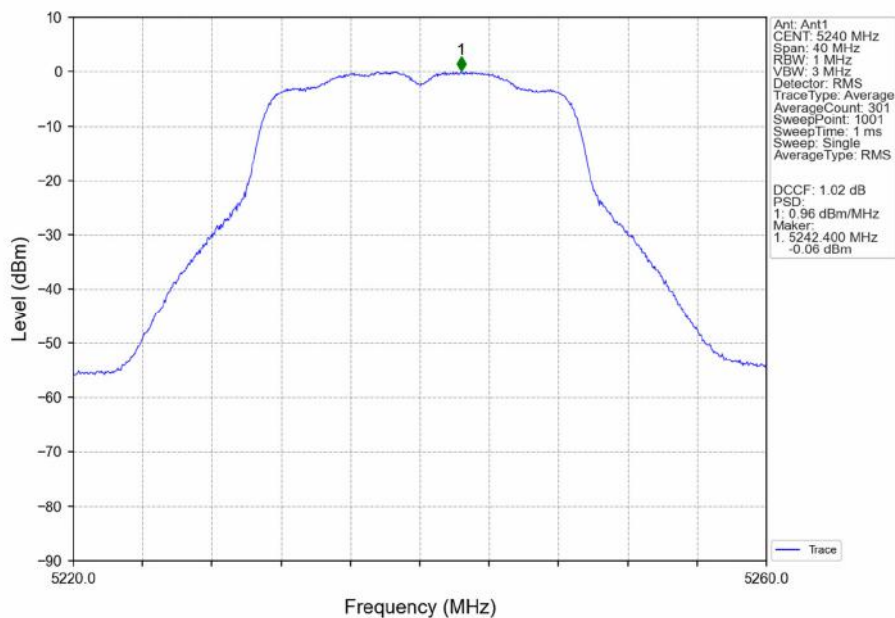
802.11n(HT20)\_MCH 5200MHz\_Ant1\_NTNV



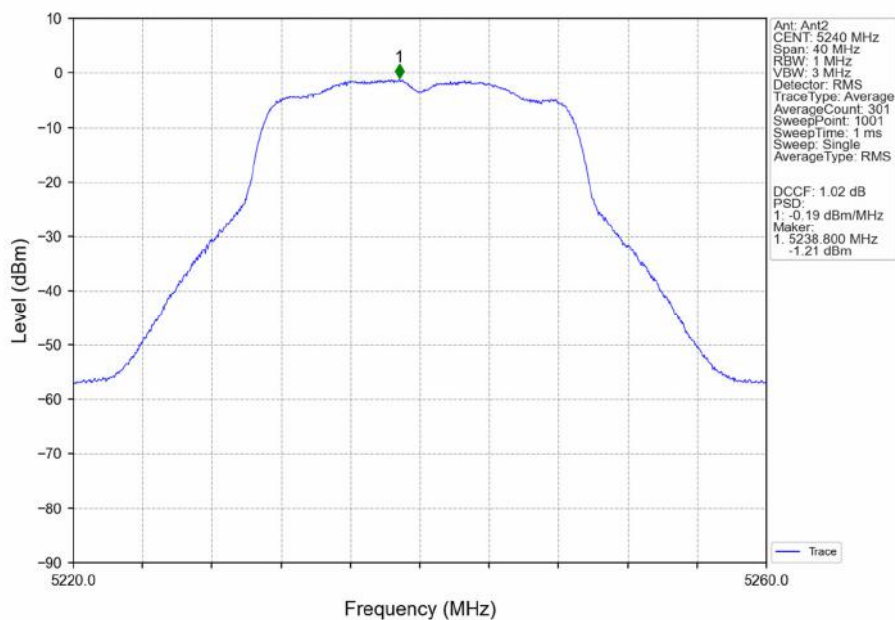
802.11n(HT20)\_MCH 5200MHz\_Ant2\_NTNV



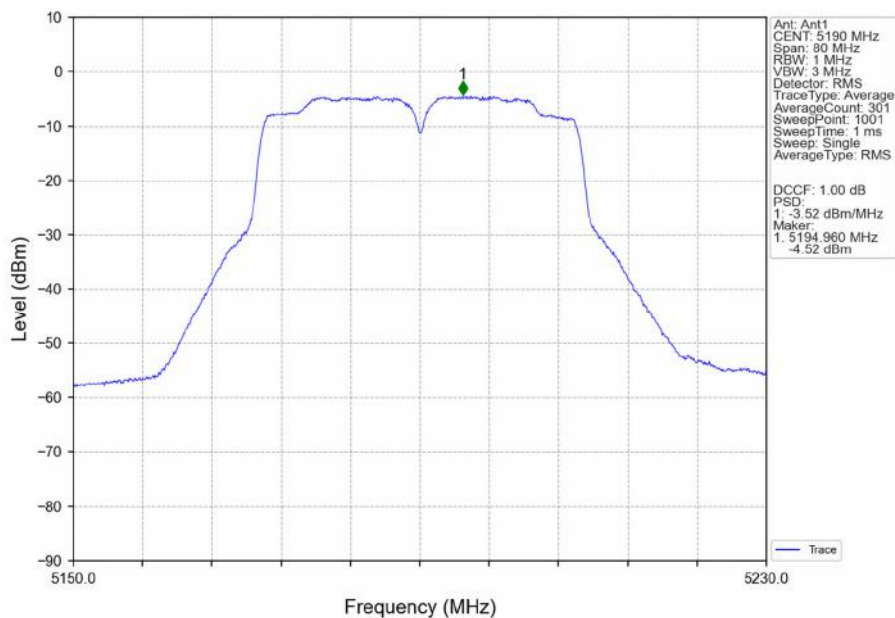
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



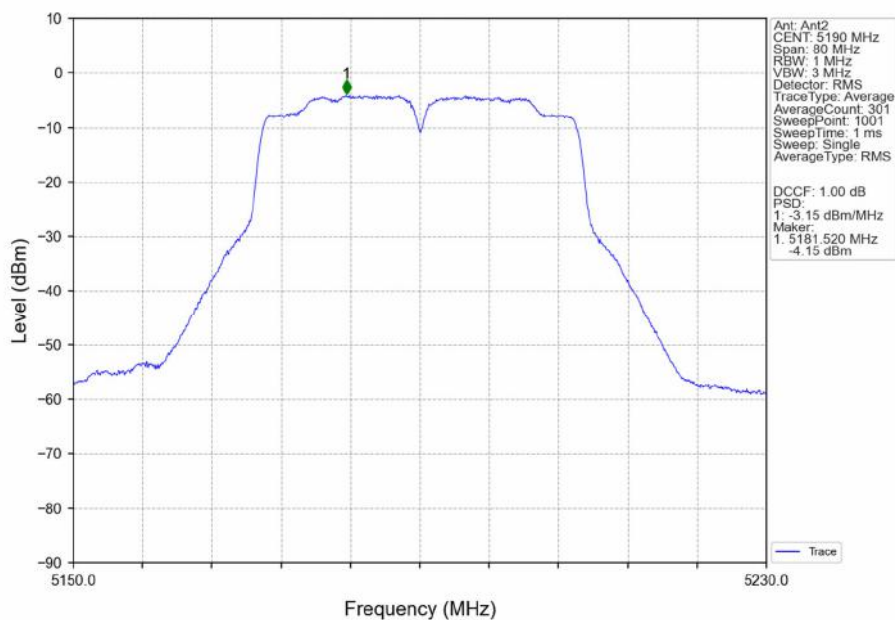
802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



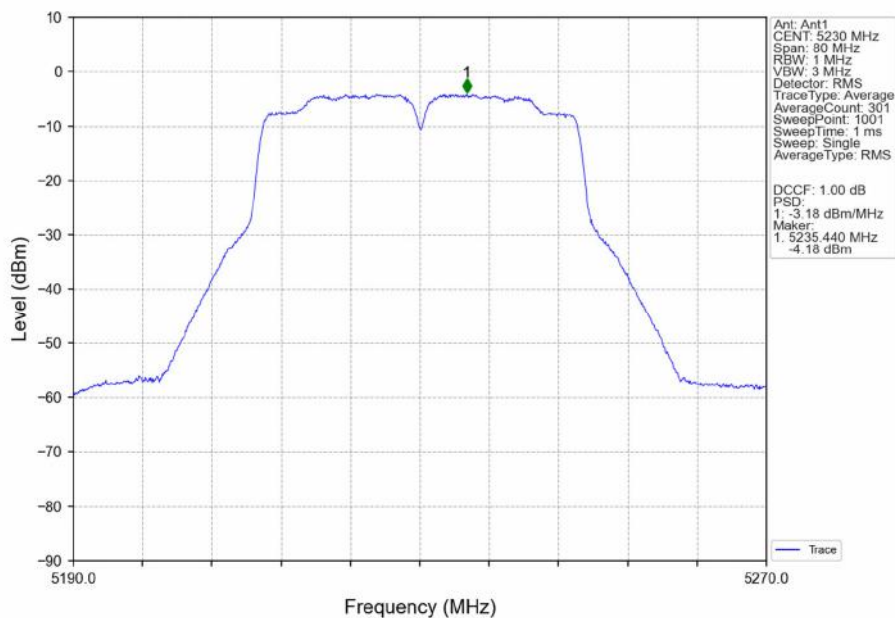
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



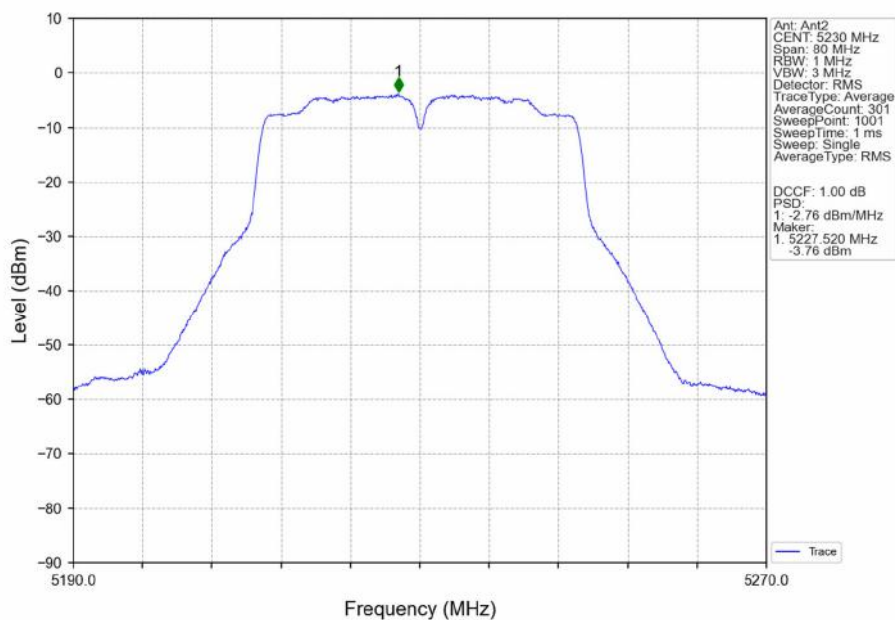
802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



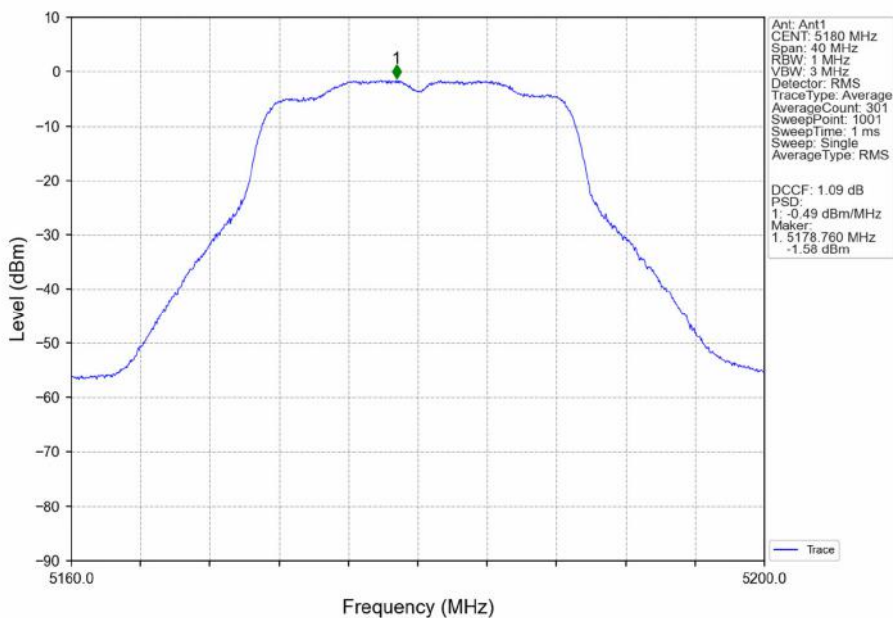
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



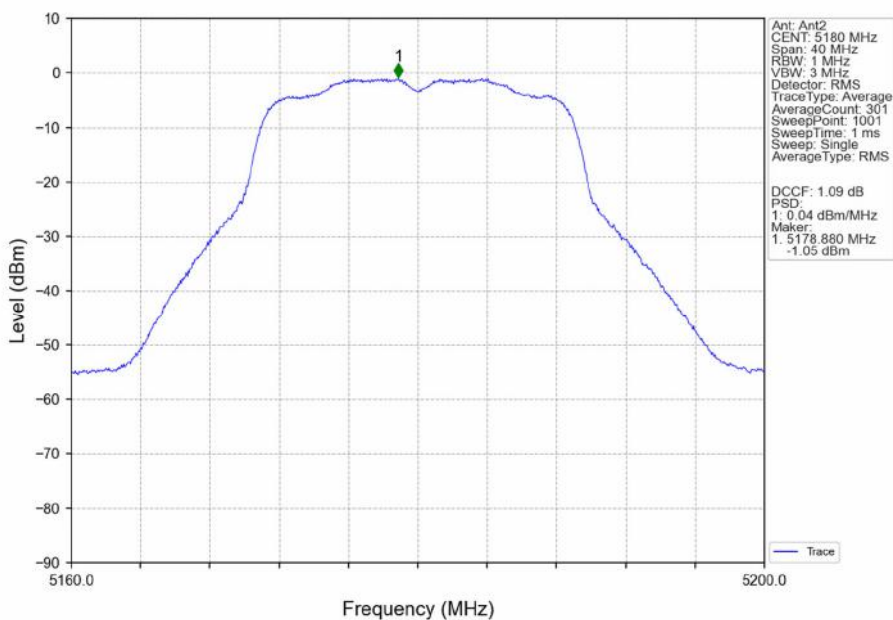
802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV



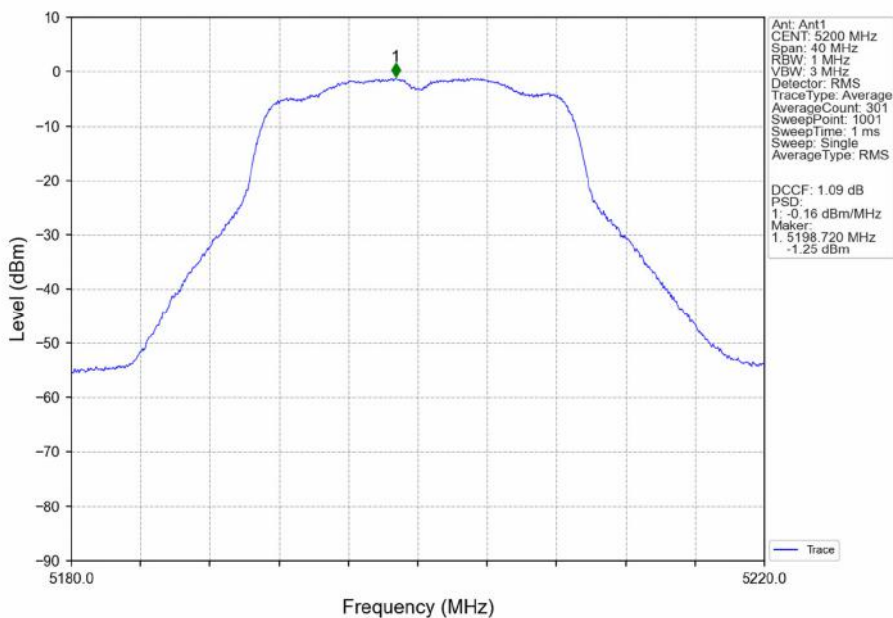
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



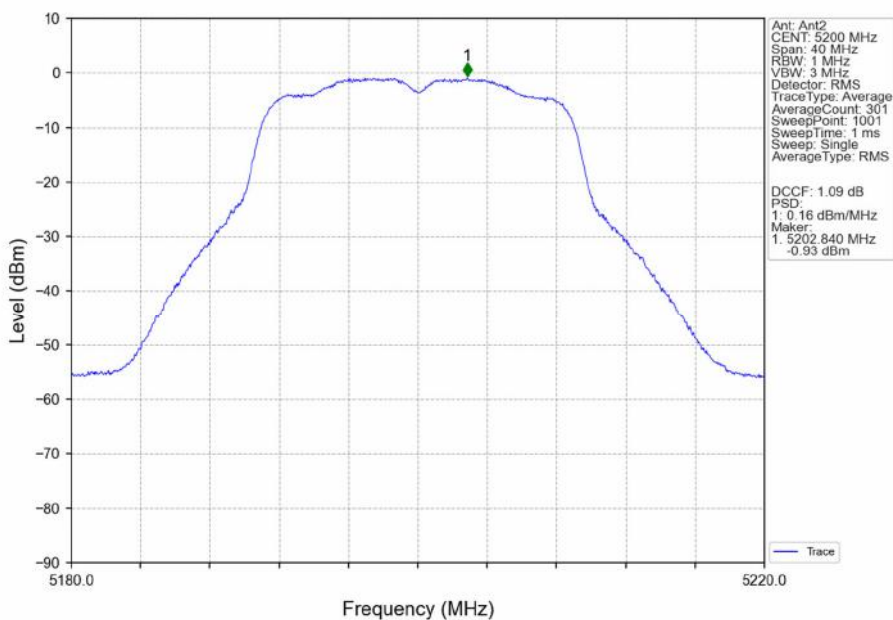
802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



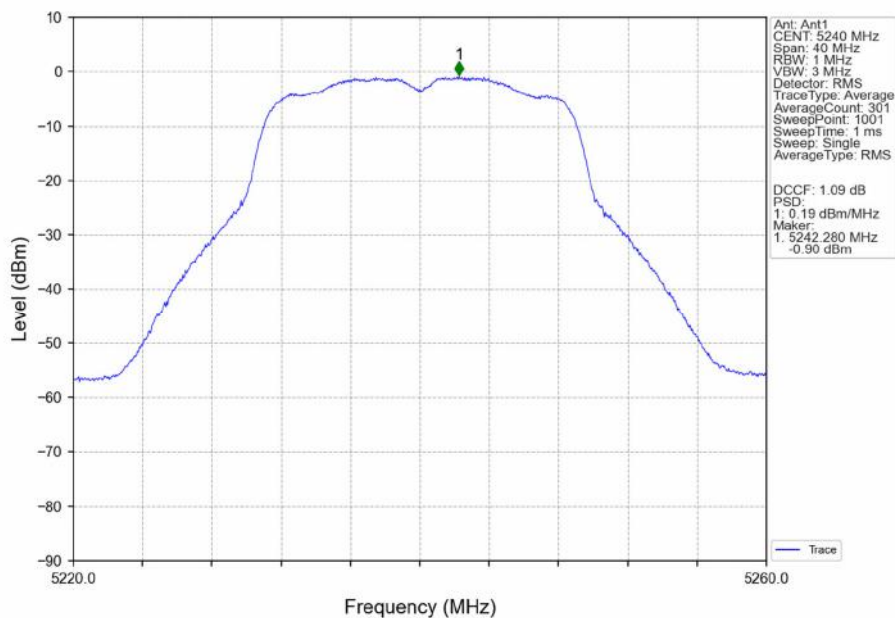
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



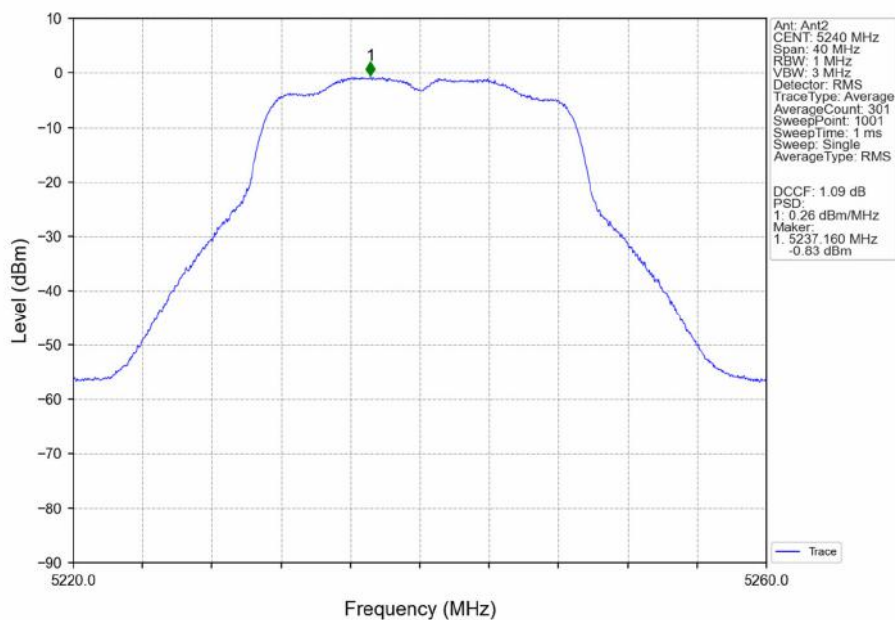
802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



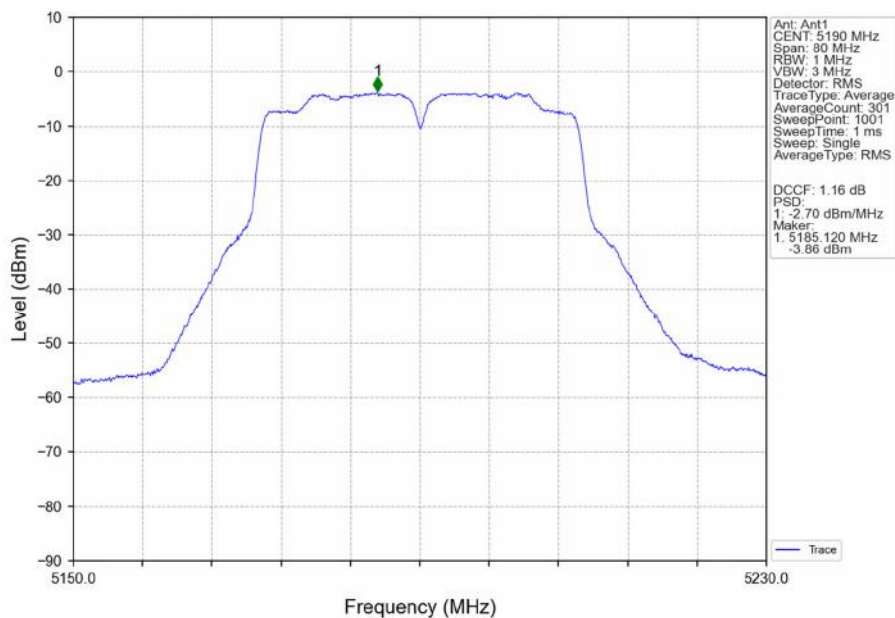
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



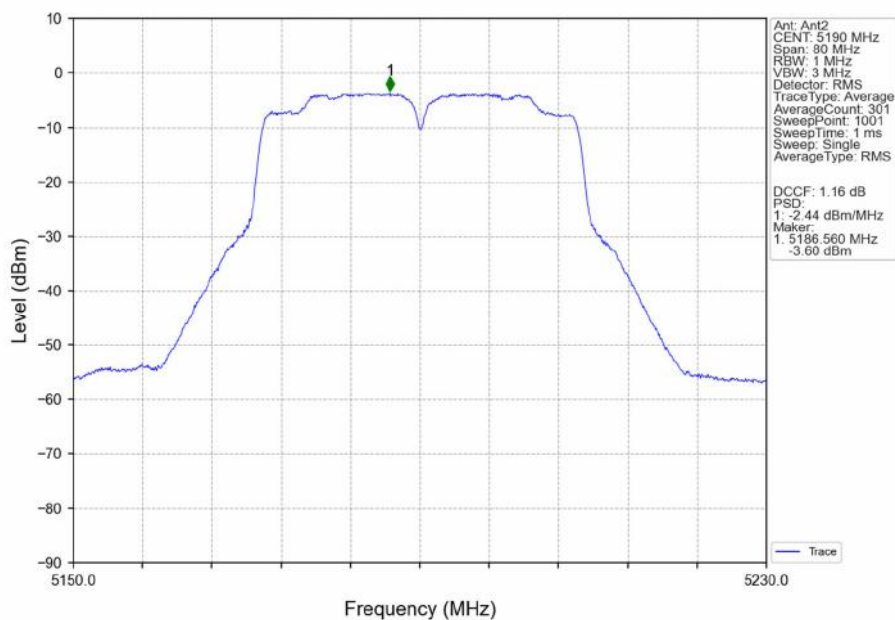
802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



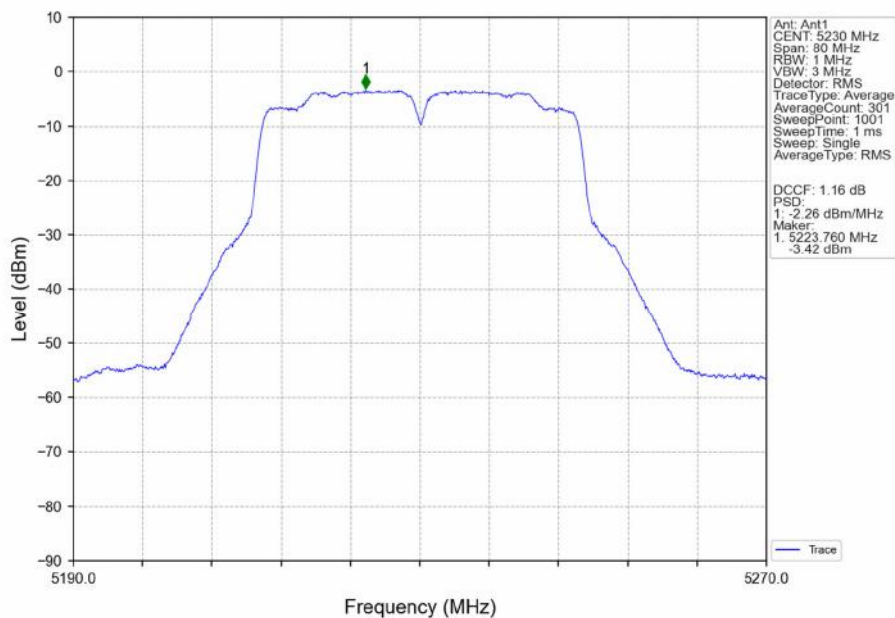
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



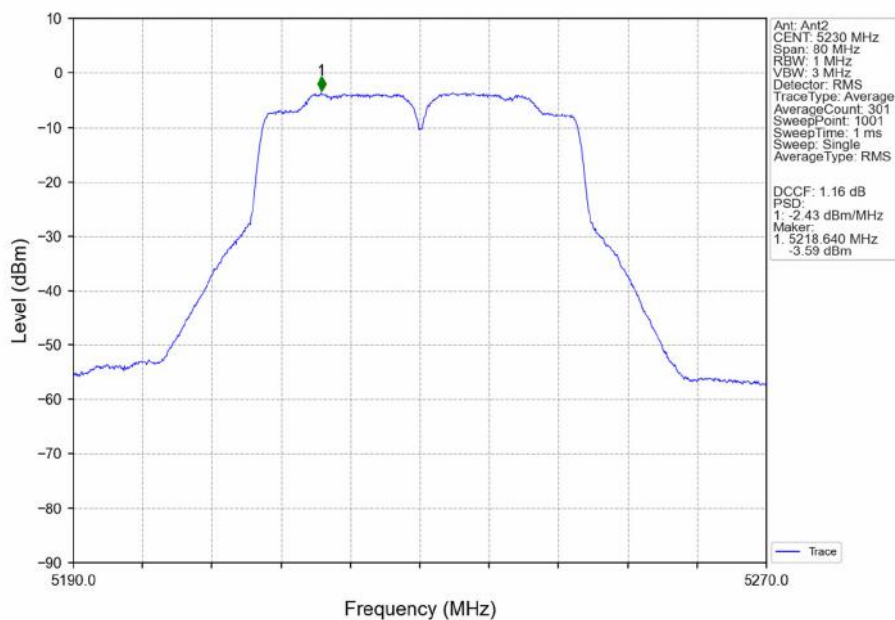
802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



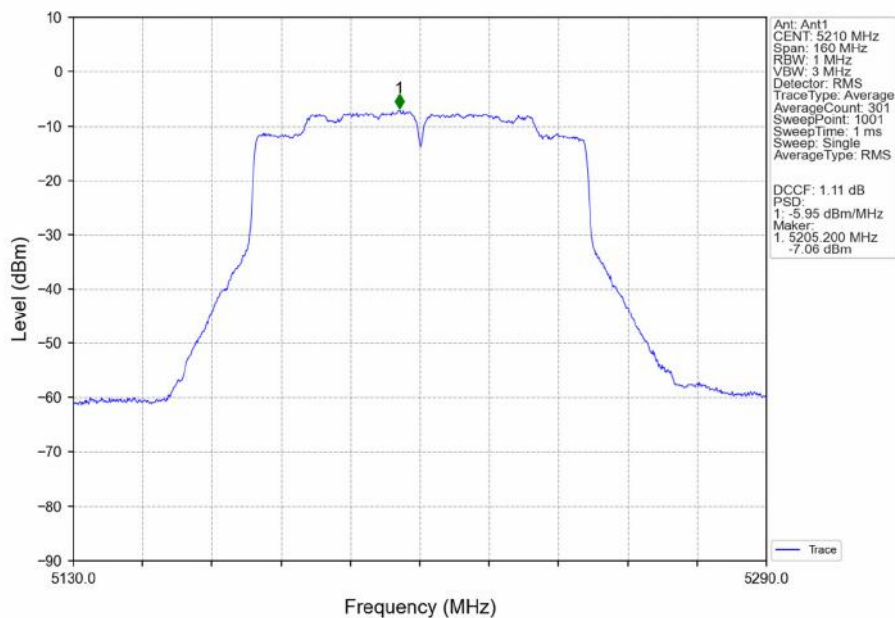
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



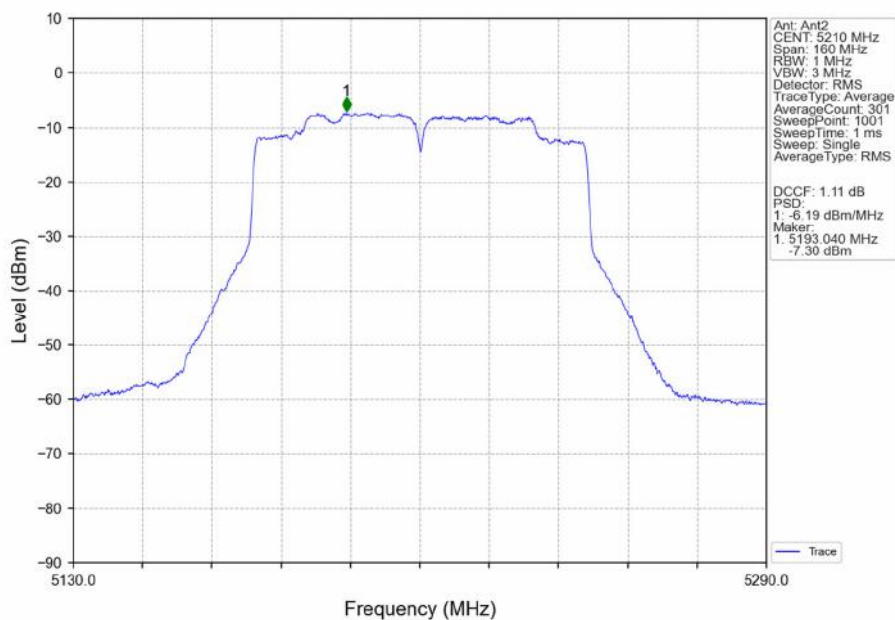
802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



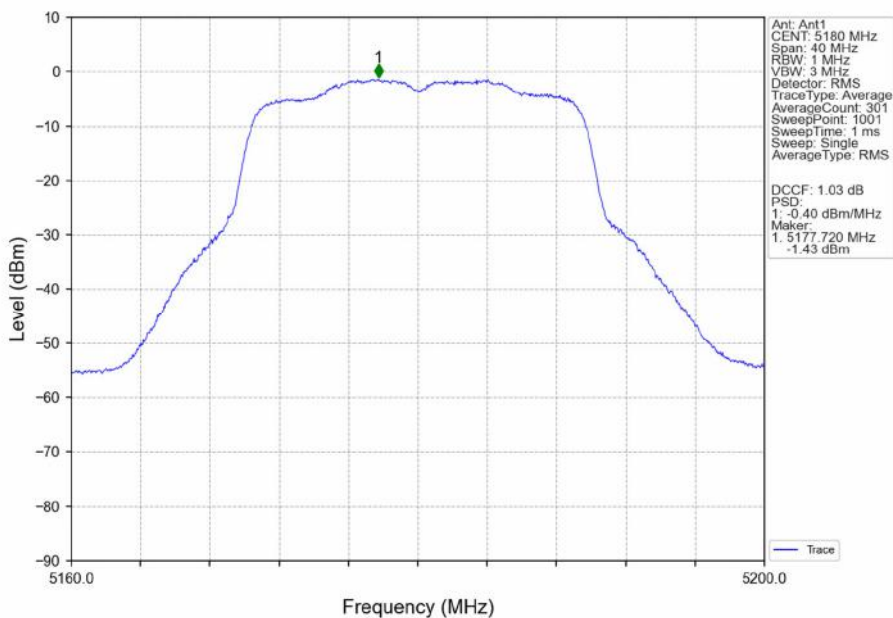
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



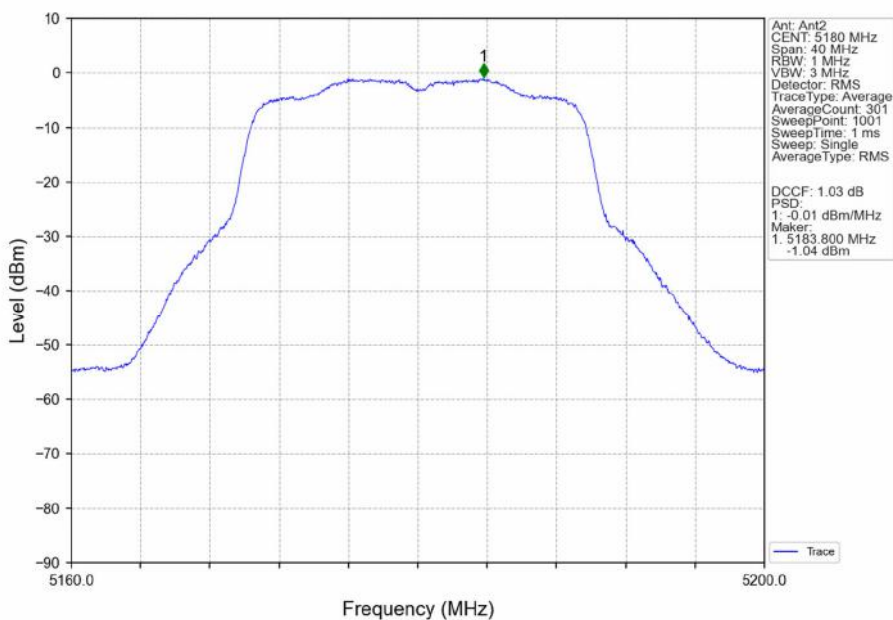
802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



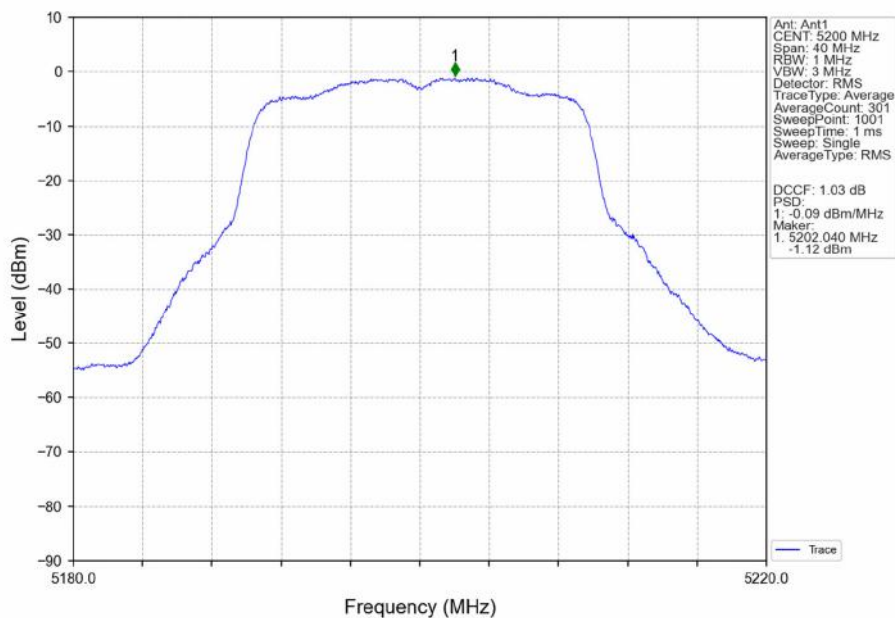
802.11ax(HEW20) LCH\_5180MHz\_SU / Ant1\_NTNV



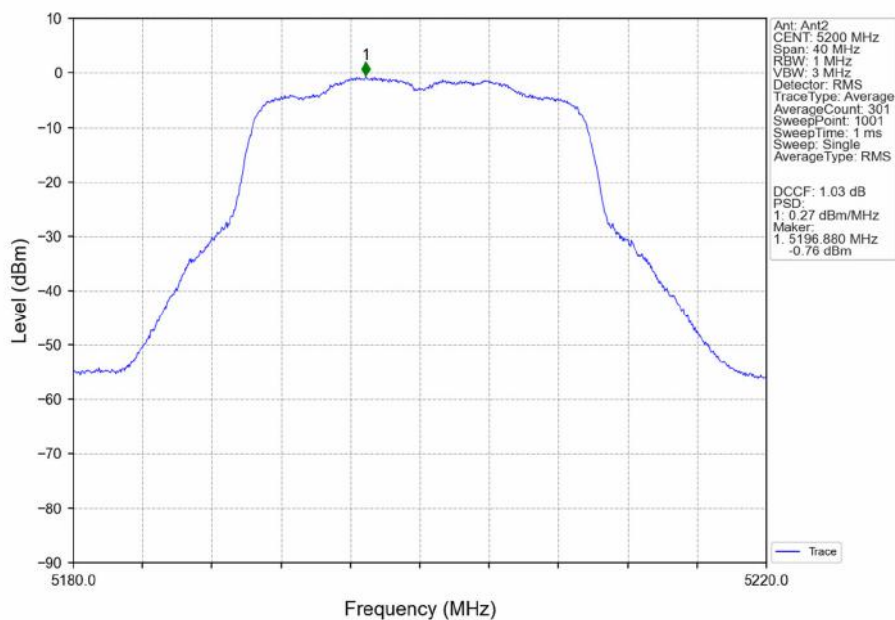
802.11ax(HEW20) LCH\_5180MHz\_SU / Ant2\_NTNV



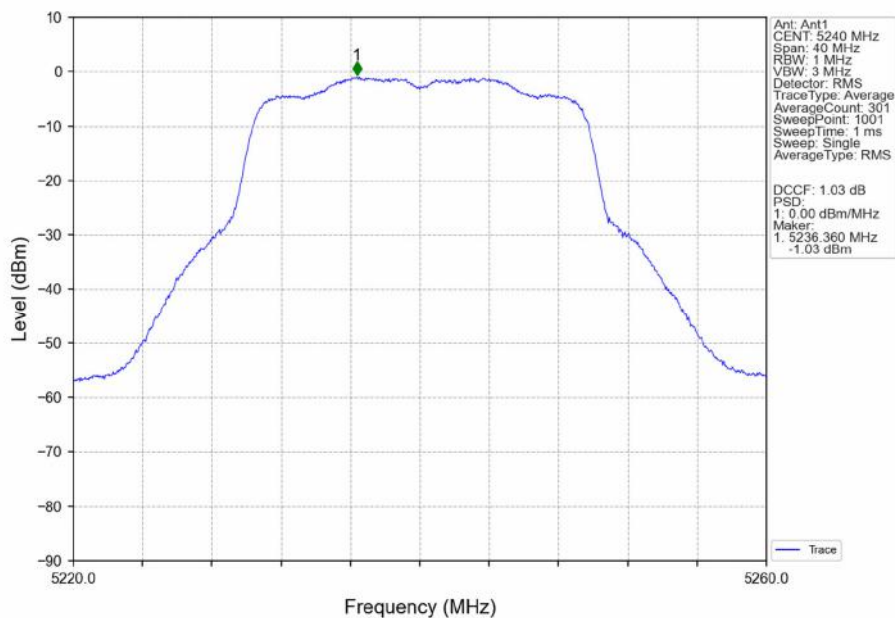
802.11ax(HEW20) MCH\_5200MHz\_SU\_ / Ant1\_NTNV



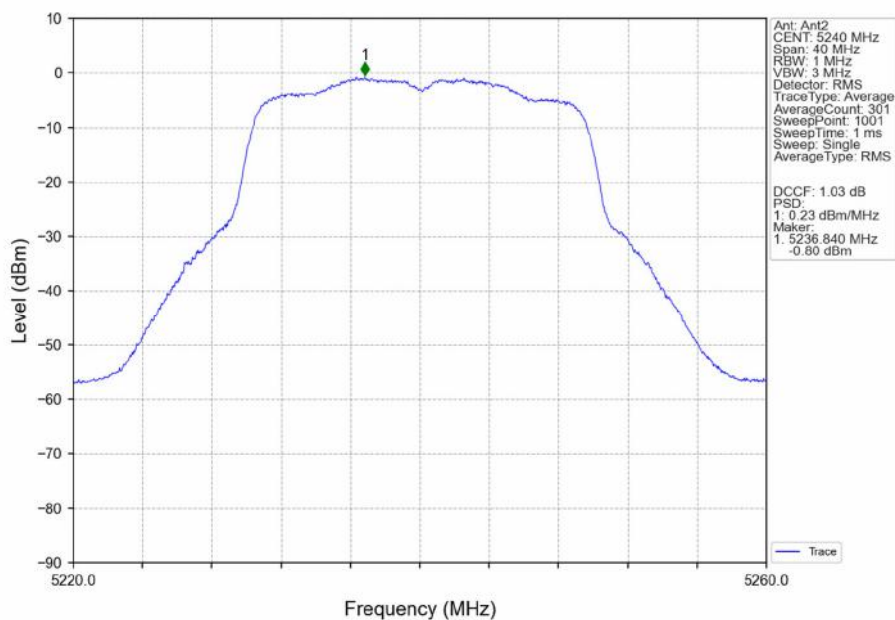
802.11ax(HEW20) MCH\_5200MHz\_SU\_ / Ant2\_NTNV



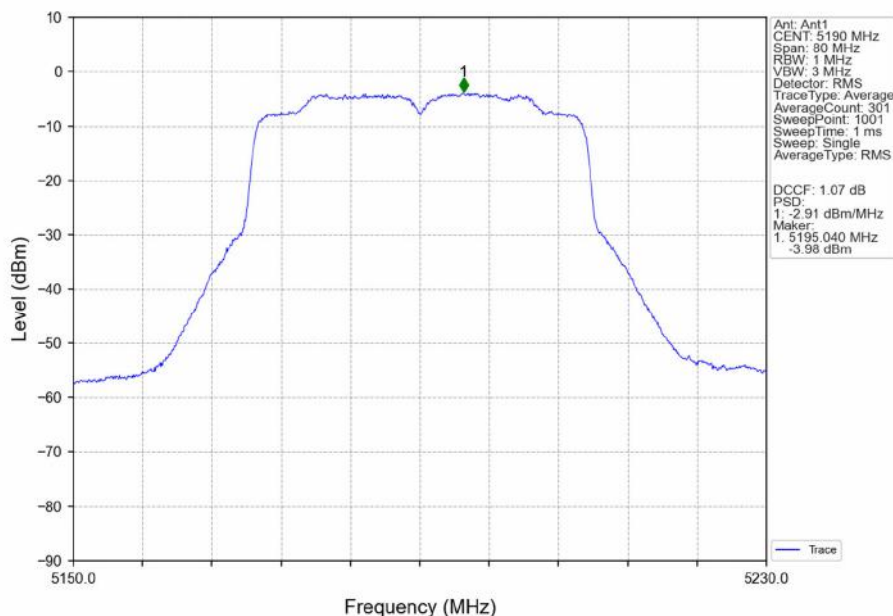
802.11ax(HEW20) HCH\_5240MHz\_SU\_ / Ant1\_NTNV



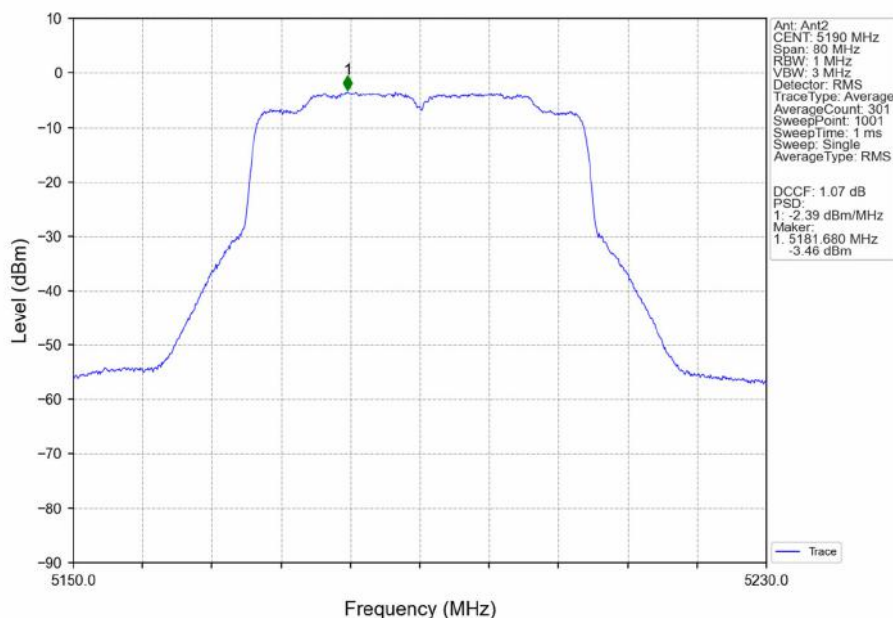
802.11ax(HEW20) HCH\_5240MHz\_SU\_ / Ant2\_NTNV



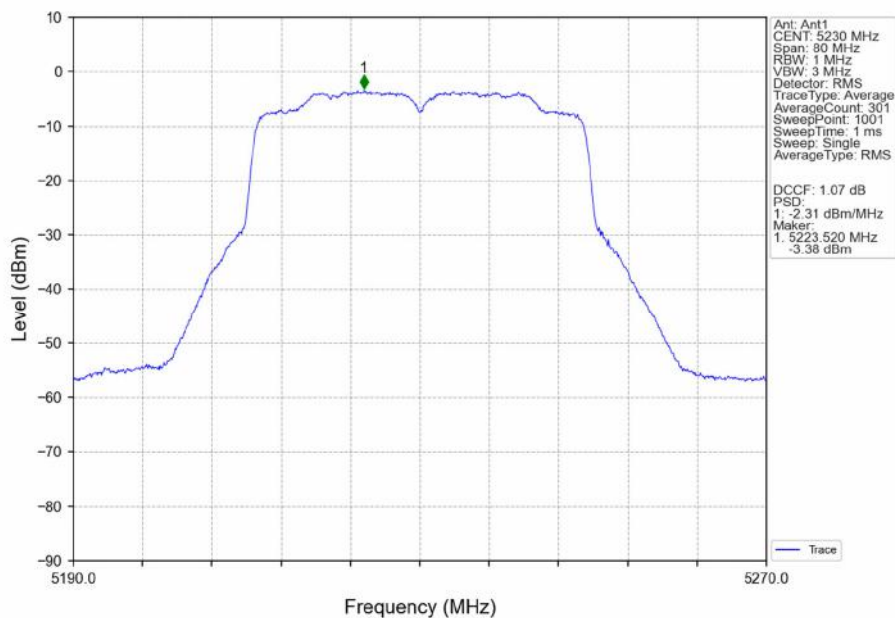
802.11ax(HEW40) LCH\_5190MHz\_SU / Ant1\_NTNV



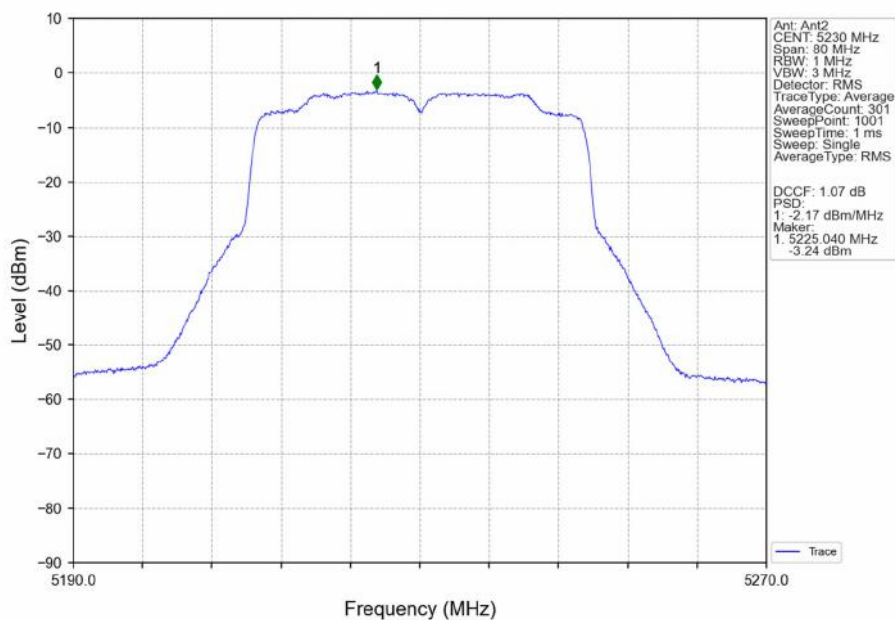
802.11ax(HEW40) LCH\_5190MHz\_SU / Ant2\_NTNV



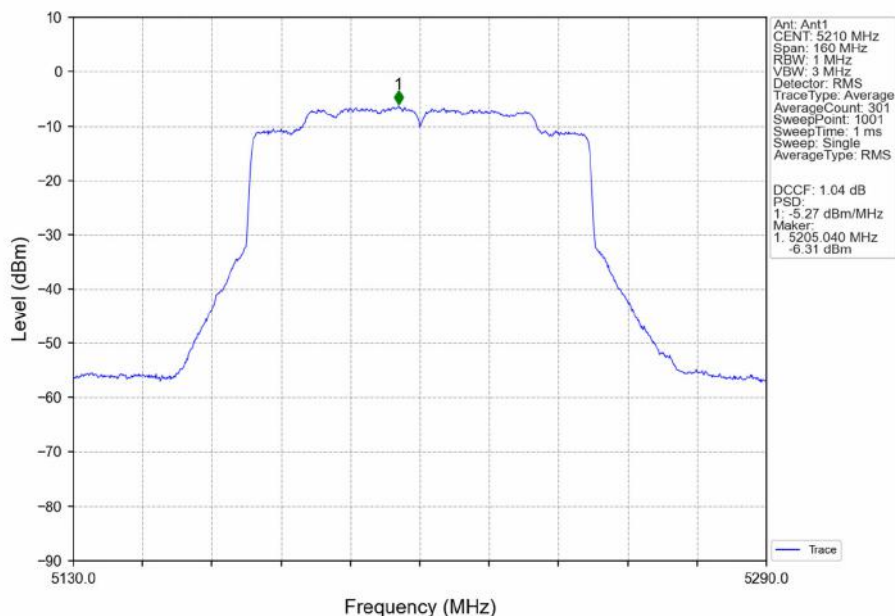
802.11ax(HEW40) HCH\_5230MHz\_SU\_ / Ant1\_NTNV



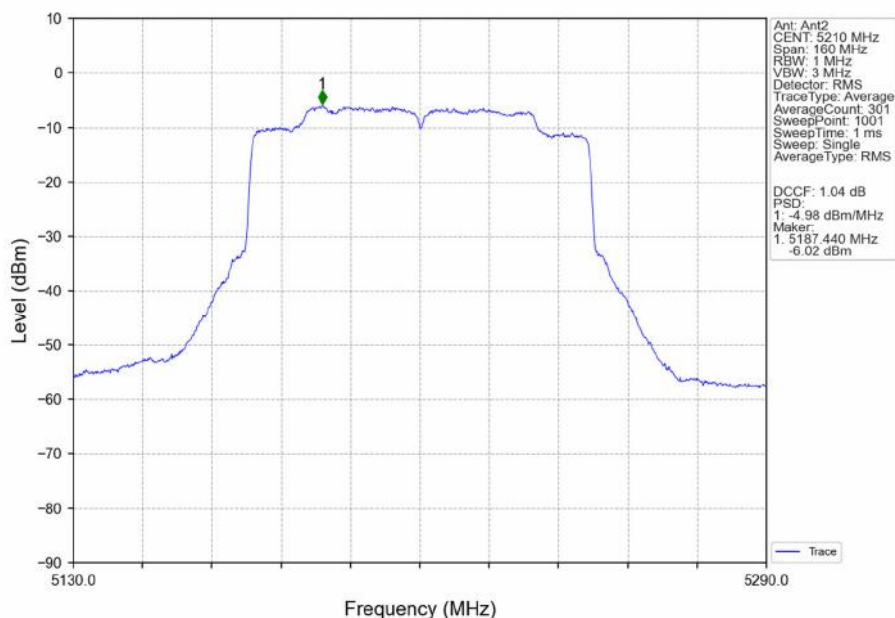
802.11ax(HEW40) HCH\_5230MHz\_SU\_ / Ant2\_NTNV



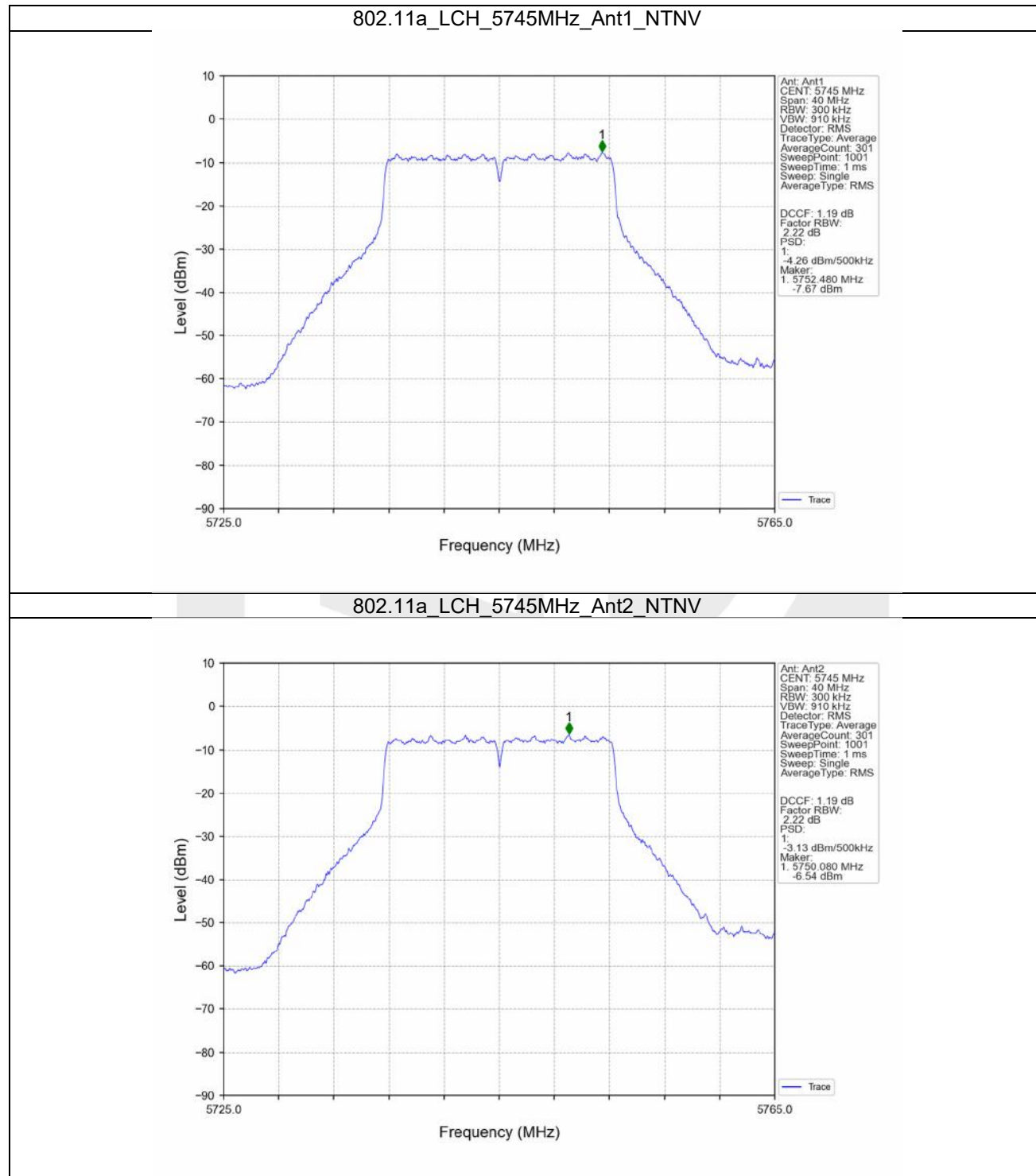
802.11ax(HEW80) MCH\_5210MHz\_SU\_ / Ant1\_NTNV



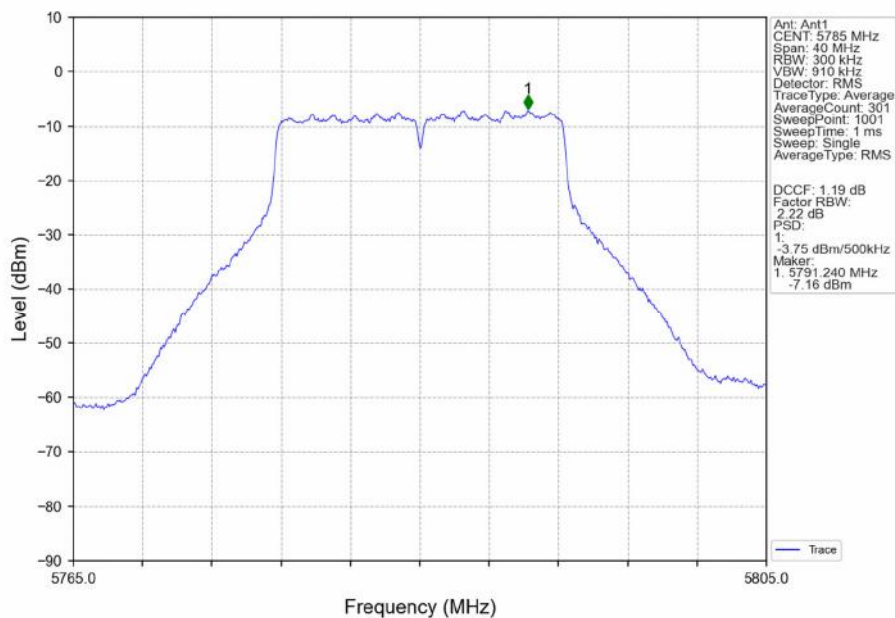
802.11ax(HEW80) MCH\_5210MHz\_SU\_ / Ant2\_NTNV



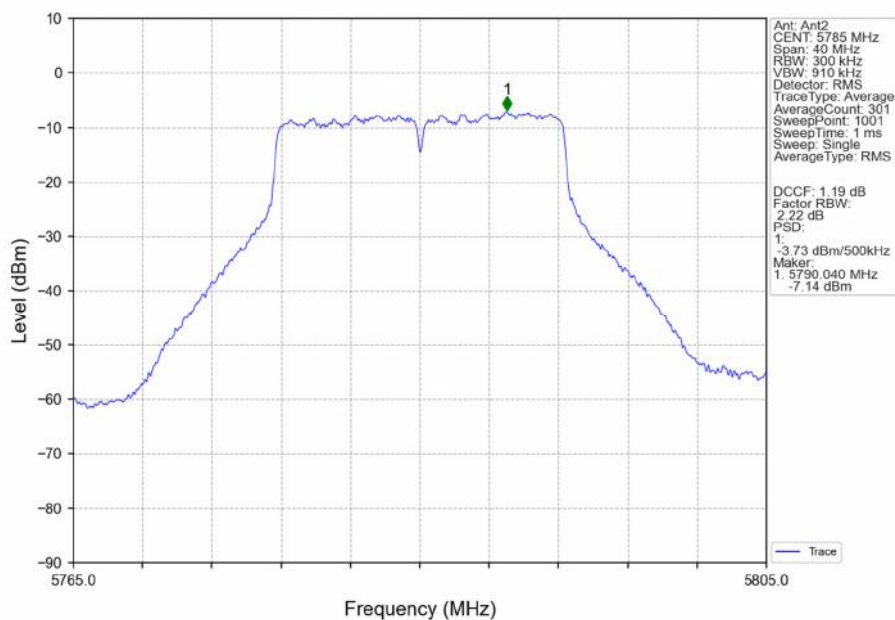
#### 4.2.2 PSD-Band3



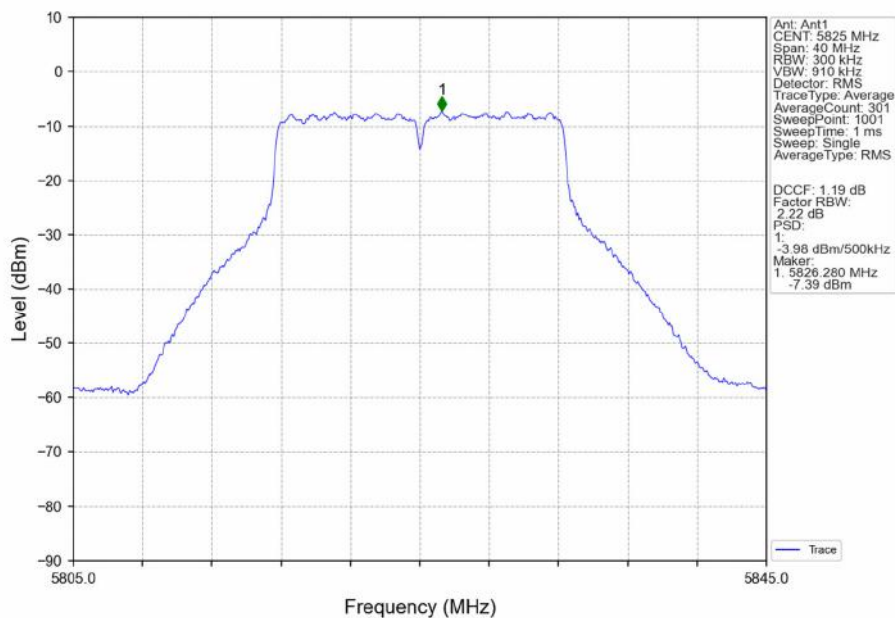
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



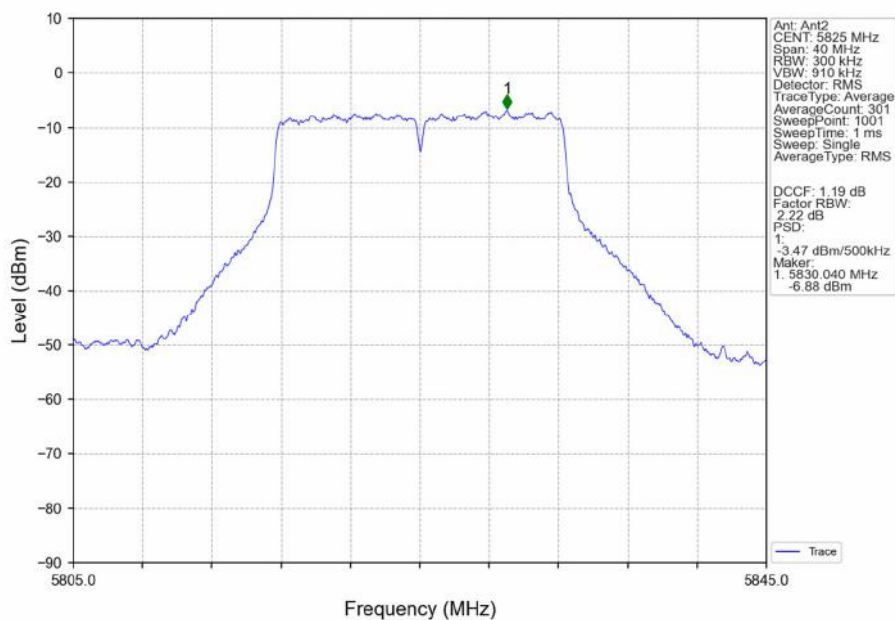
802.11a\_MCH\_5785MHz\_Ant2\_NTNV



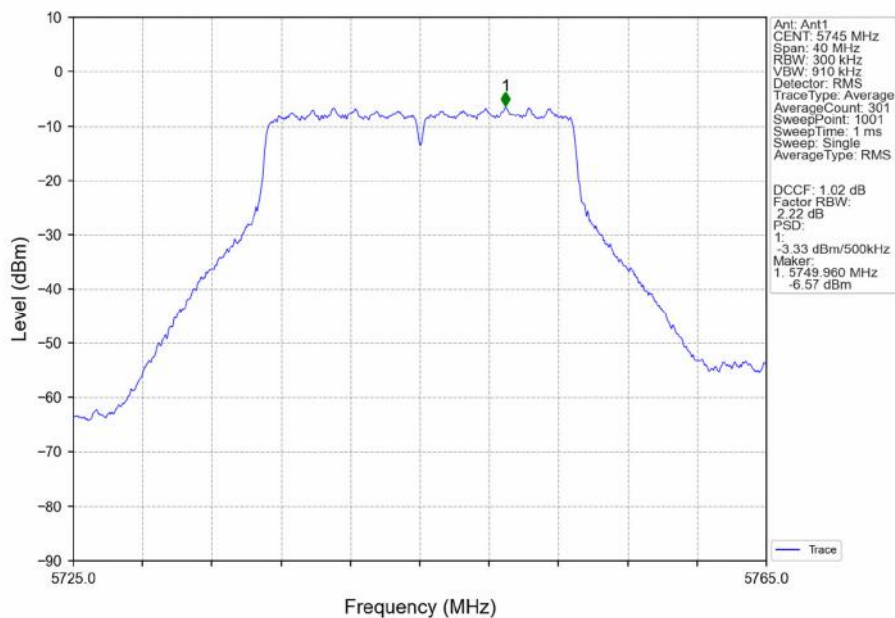
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



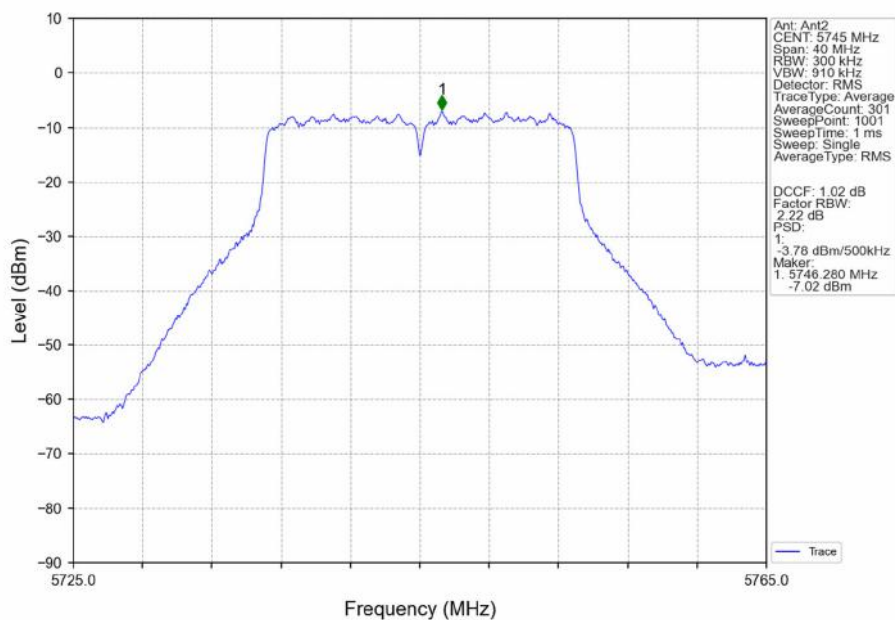
802.11a\_HCH\_5825MHz\_Ant2\_NTNV



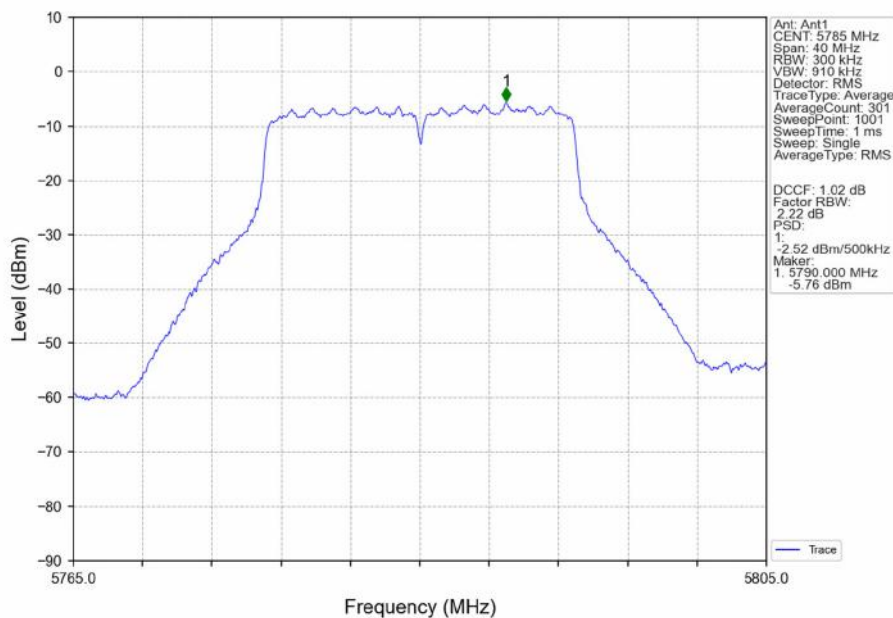
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



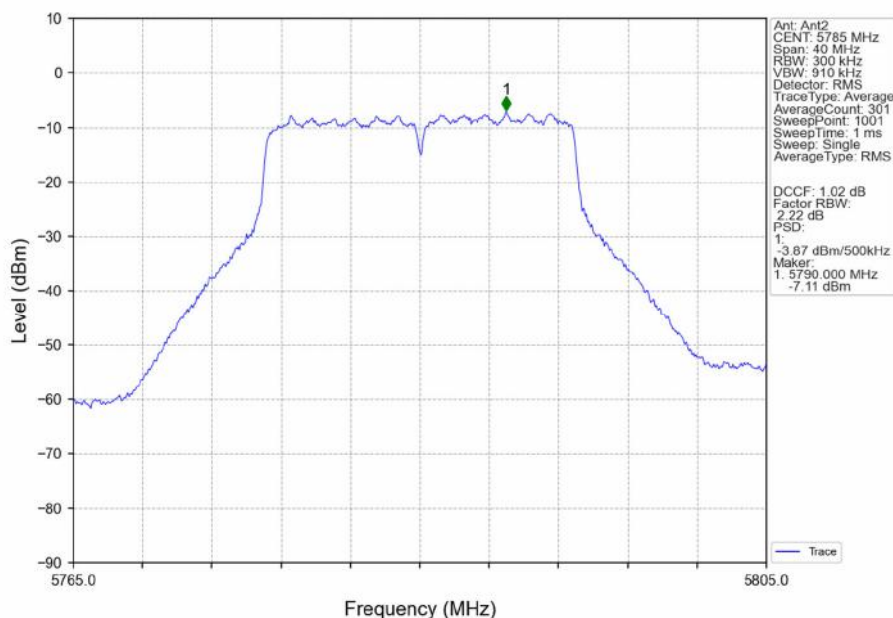
802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



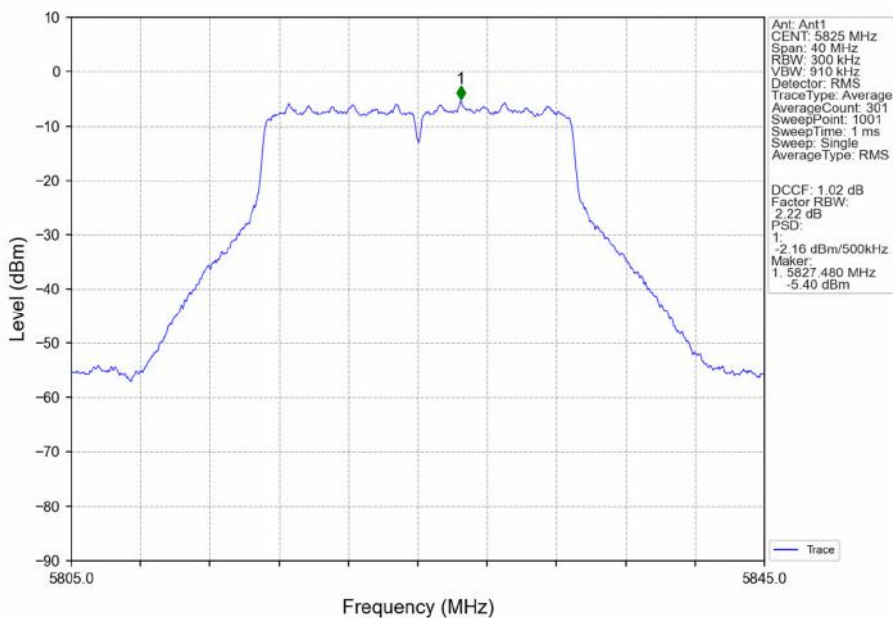
802.11n(HT20)\_MCH 5785MHz\_Ant1\_NTNV



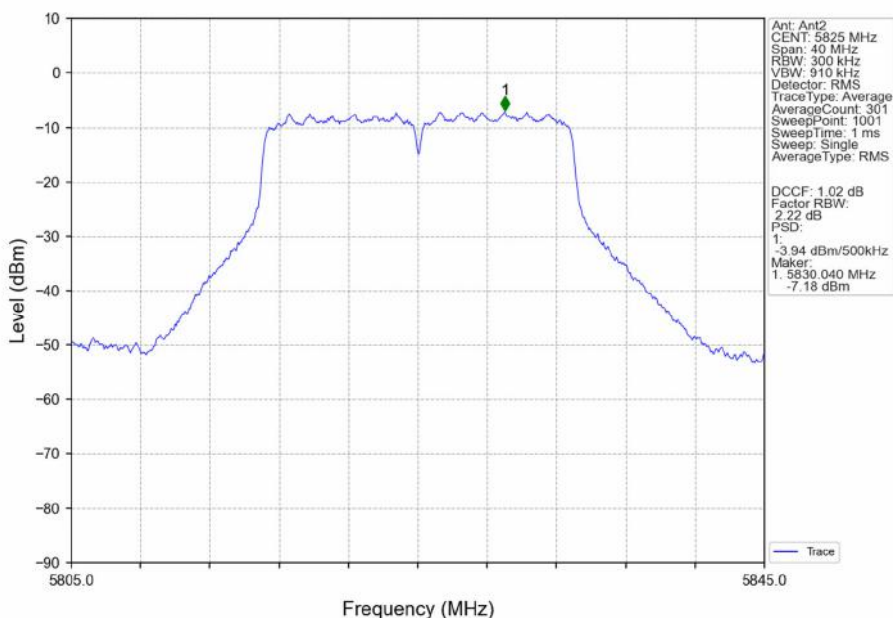
802.11n(HT20)\_MCH 5785MHz\_Ant2\_NTNV



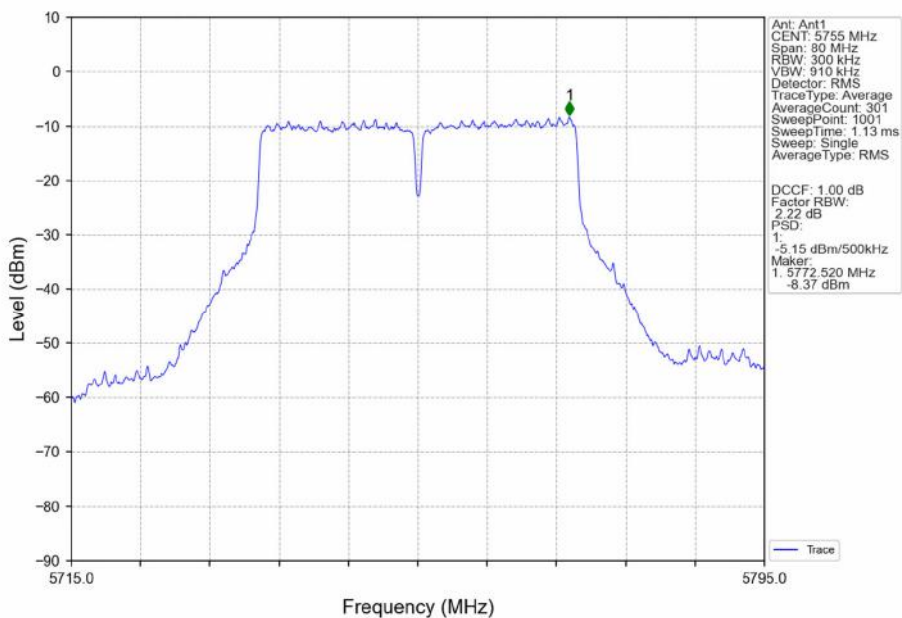
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



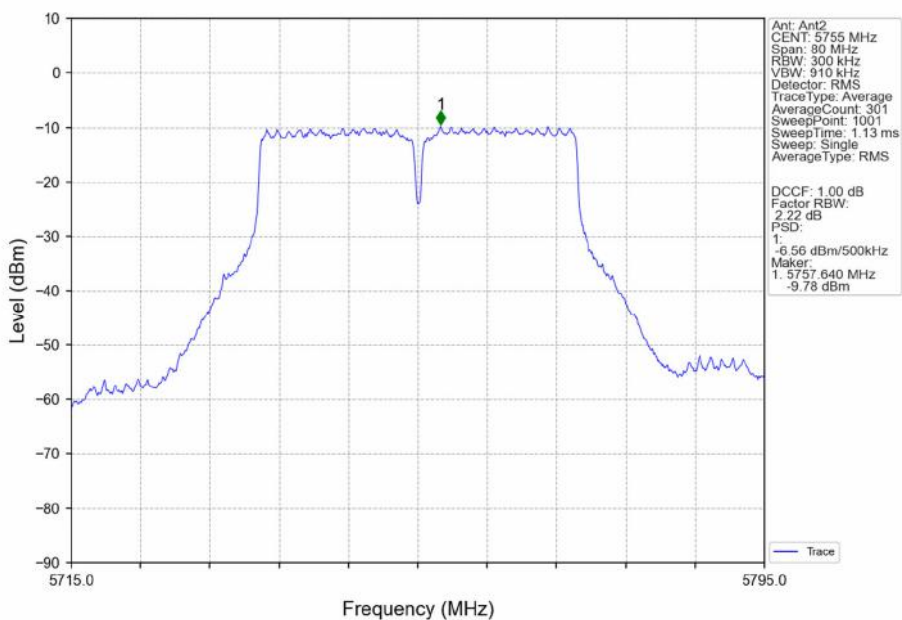
802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



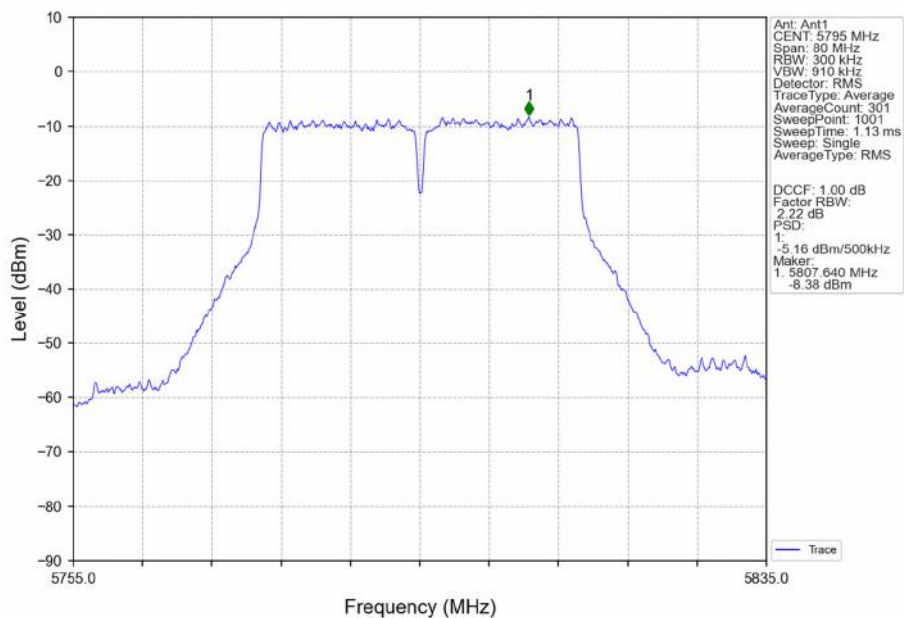
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



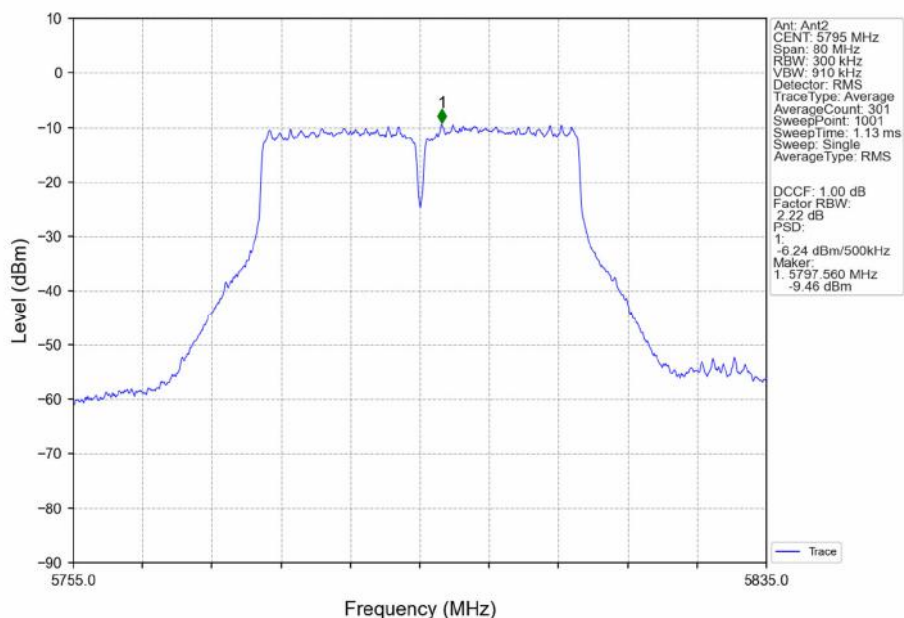
802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



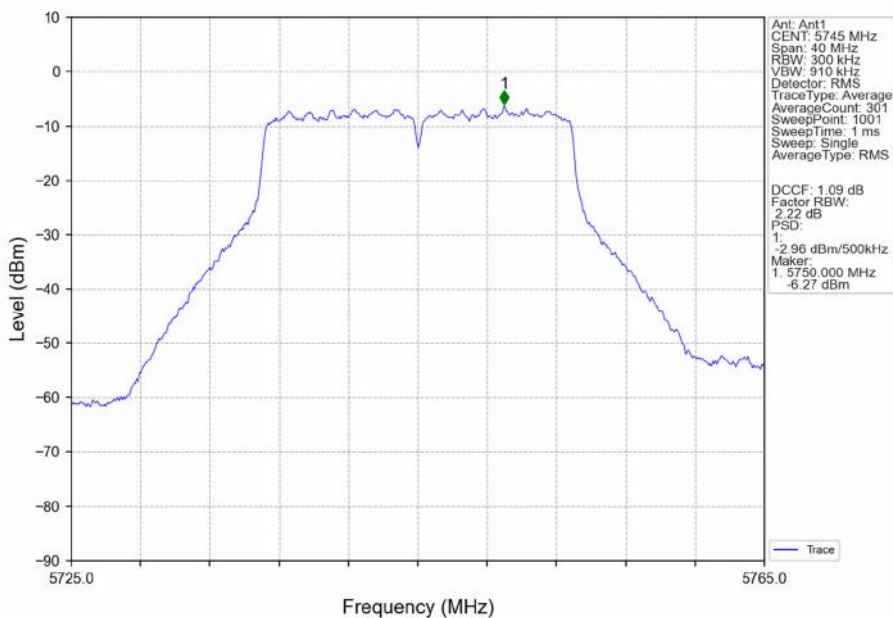
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



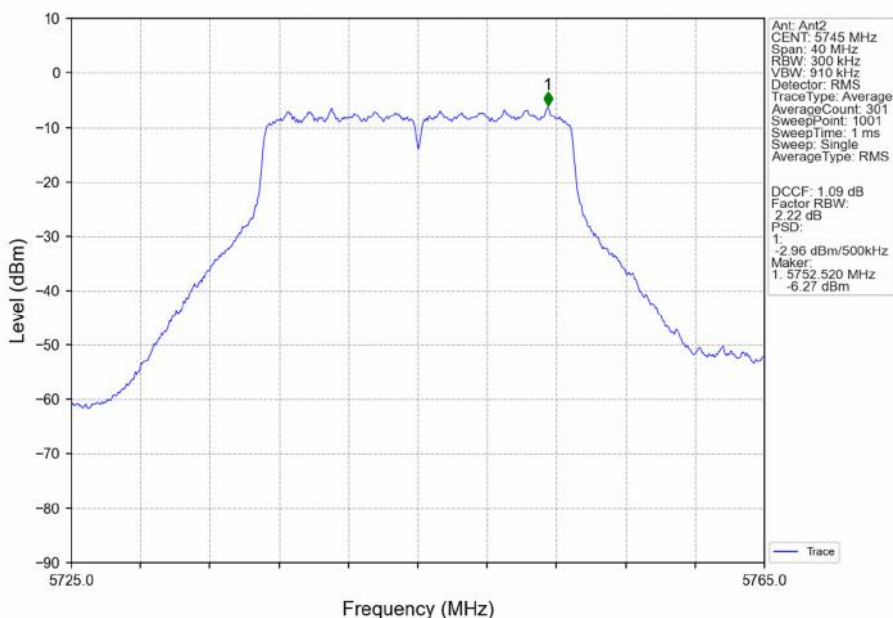
802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



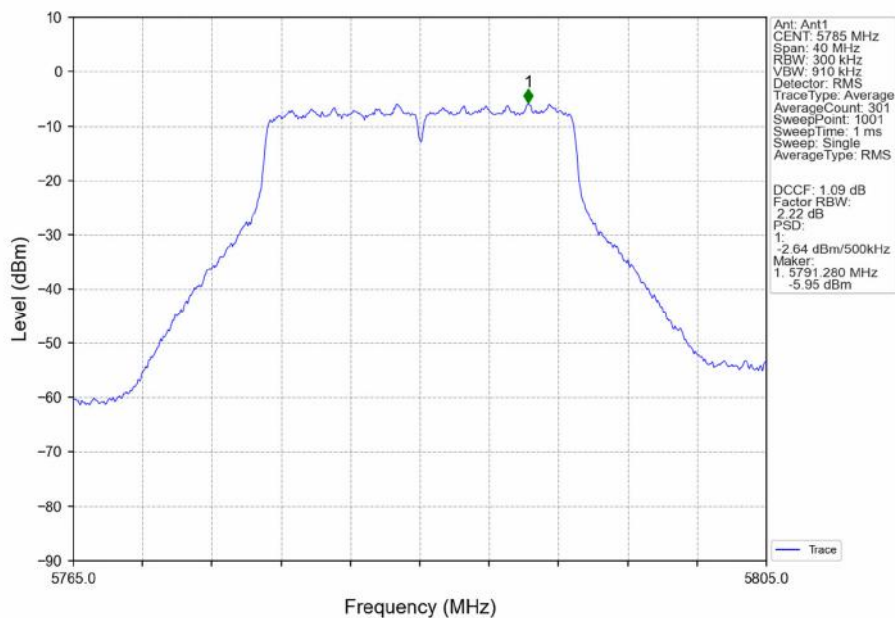
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



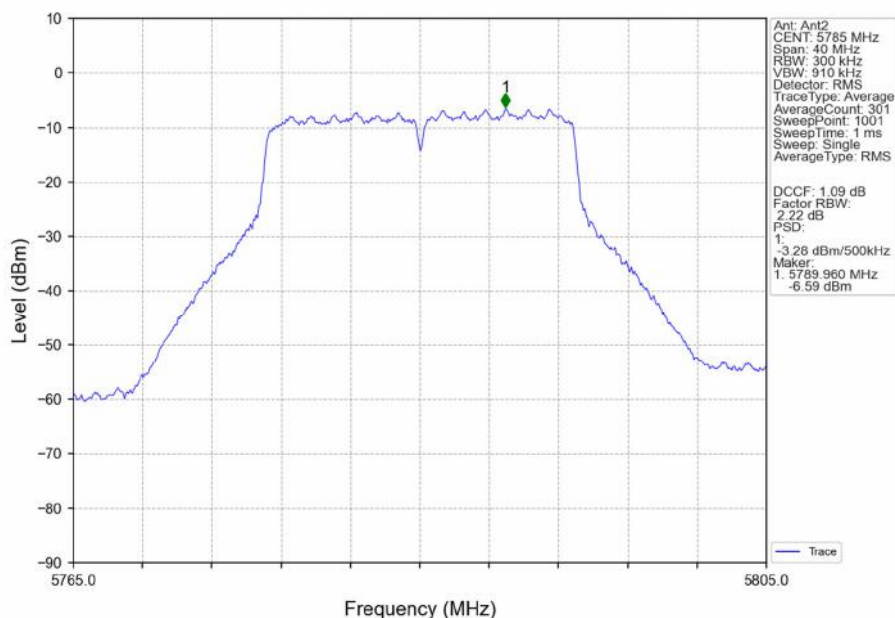
802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



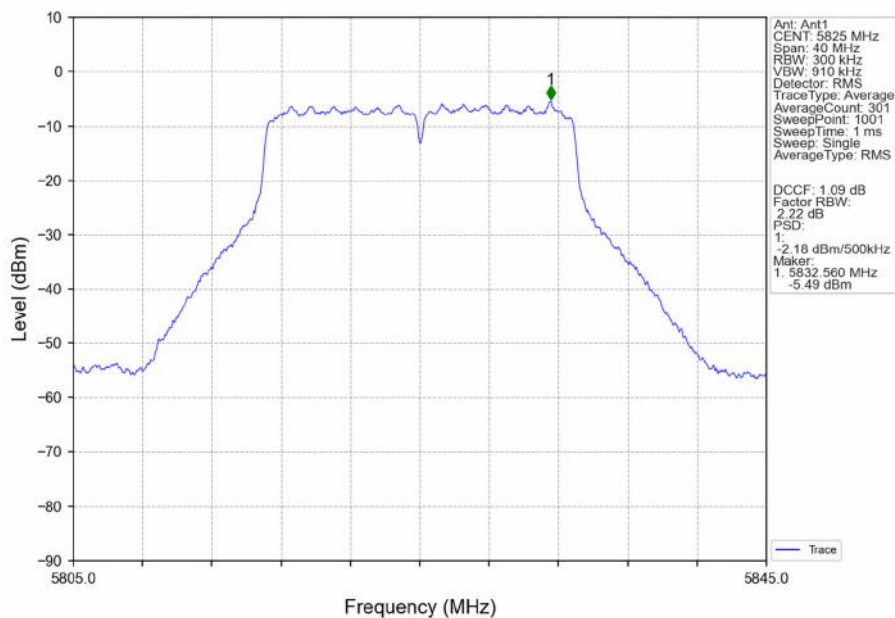
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



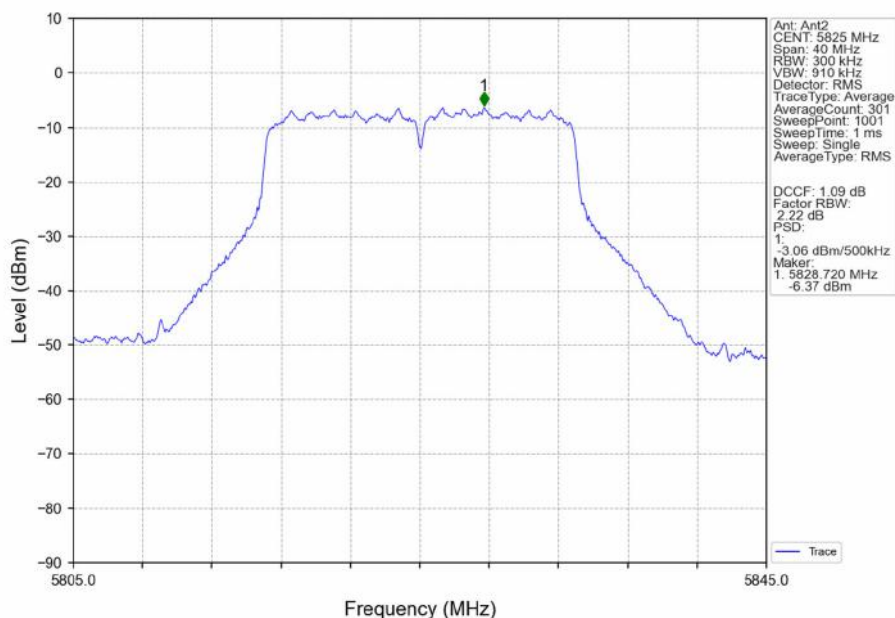
802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



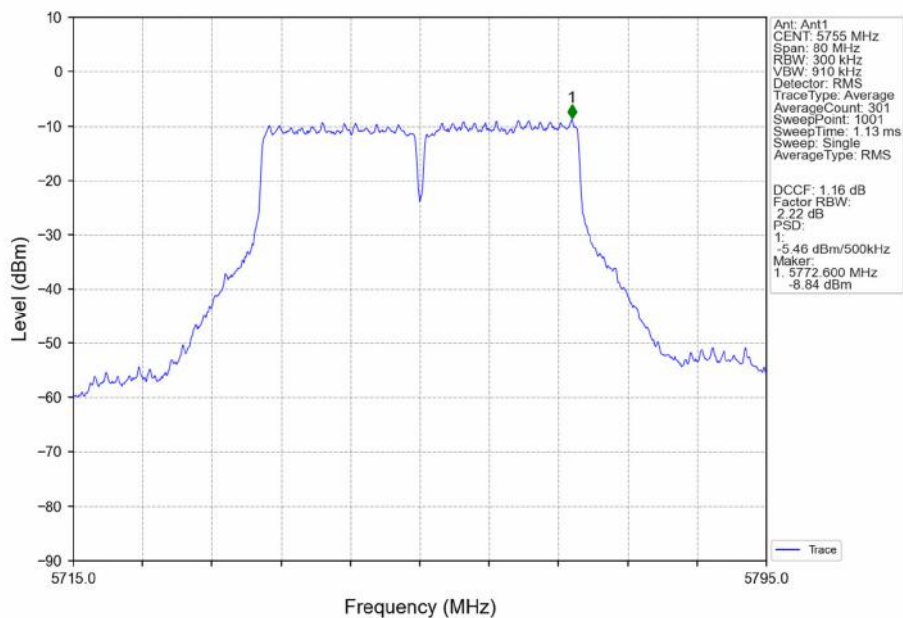
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



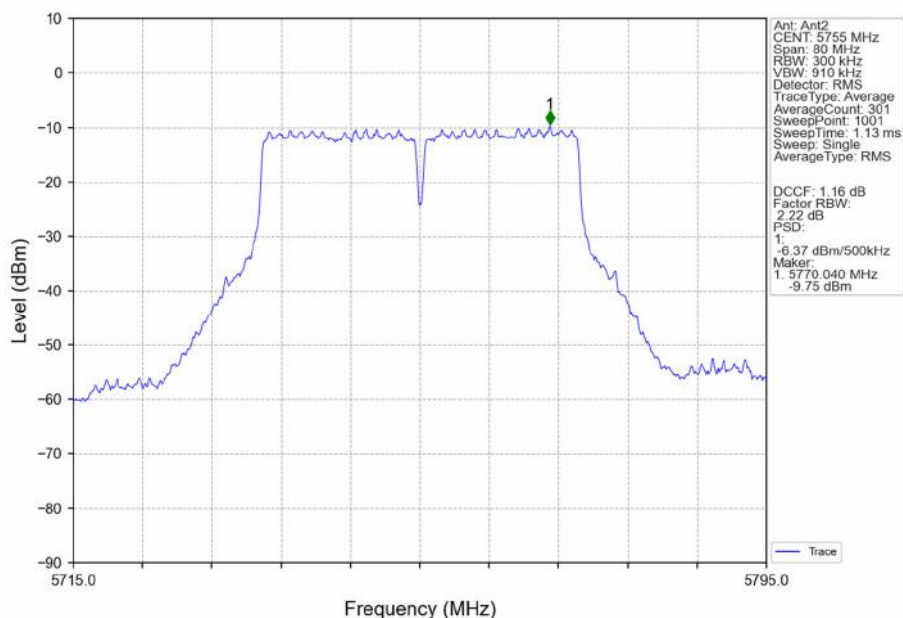
802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



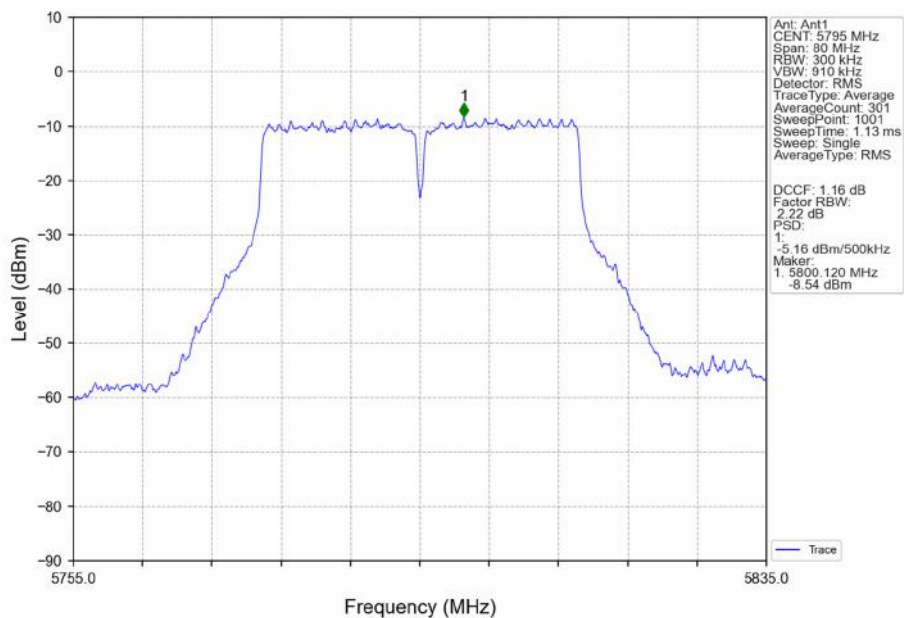
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



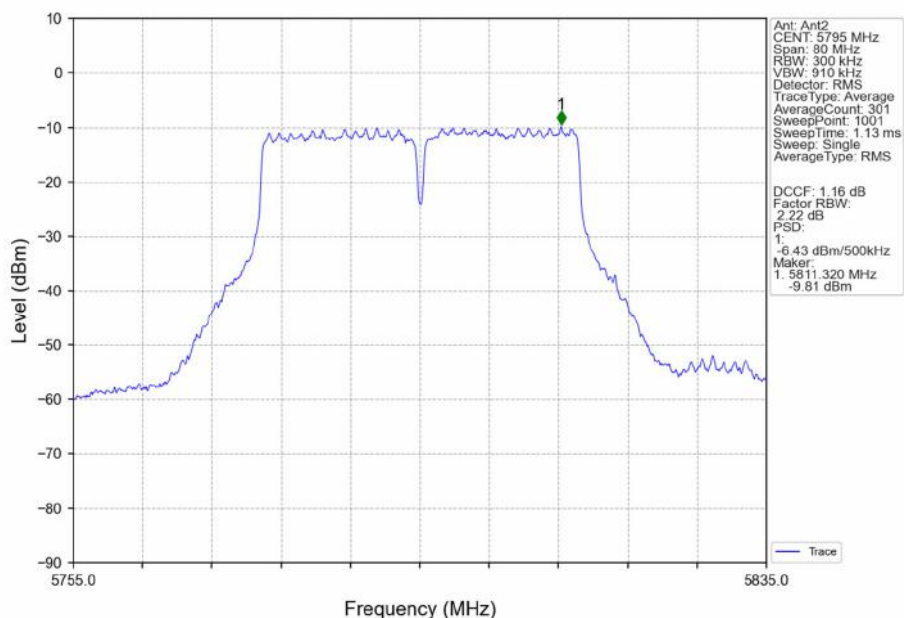
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



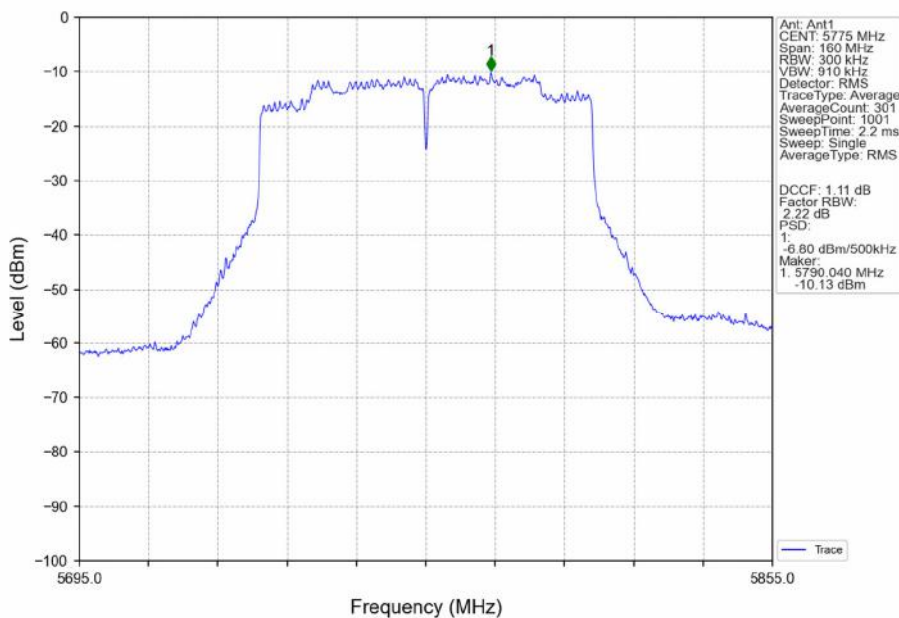
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



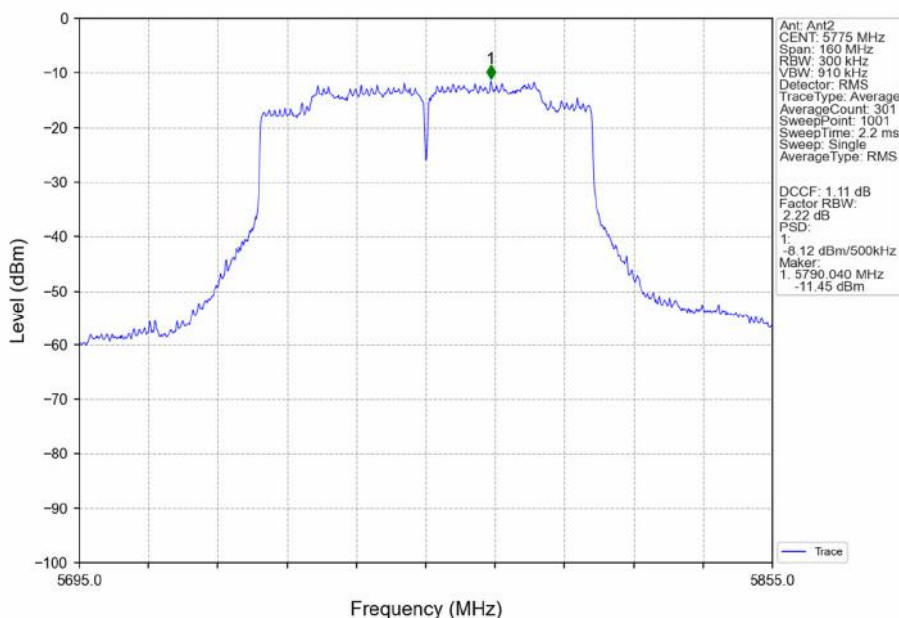
802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



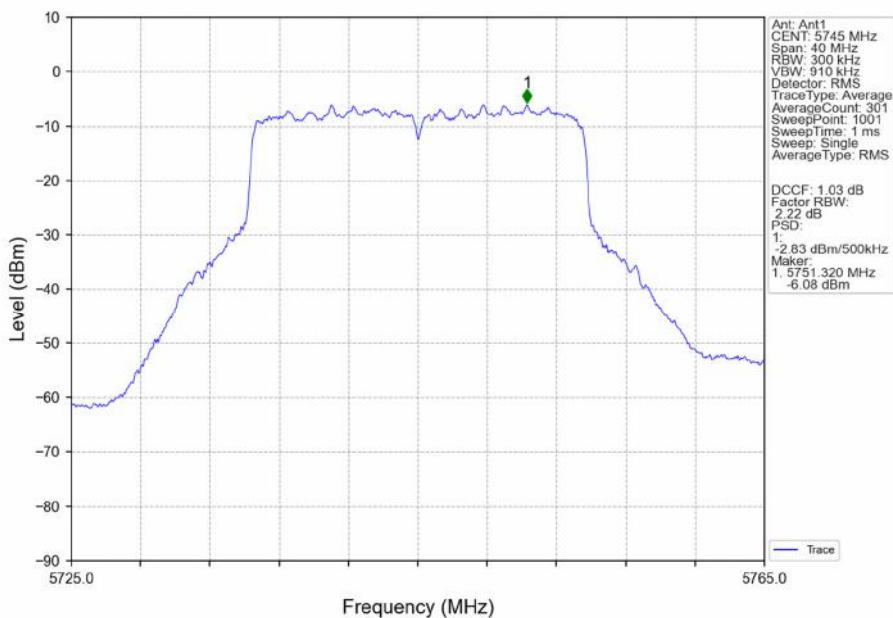
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



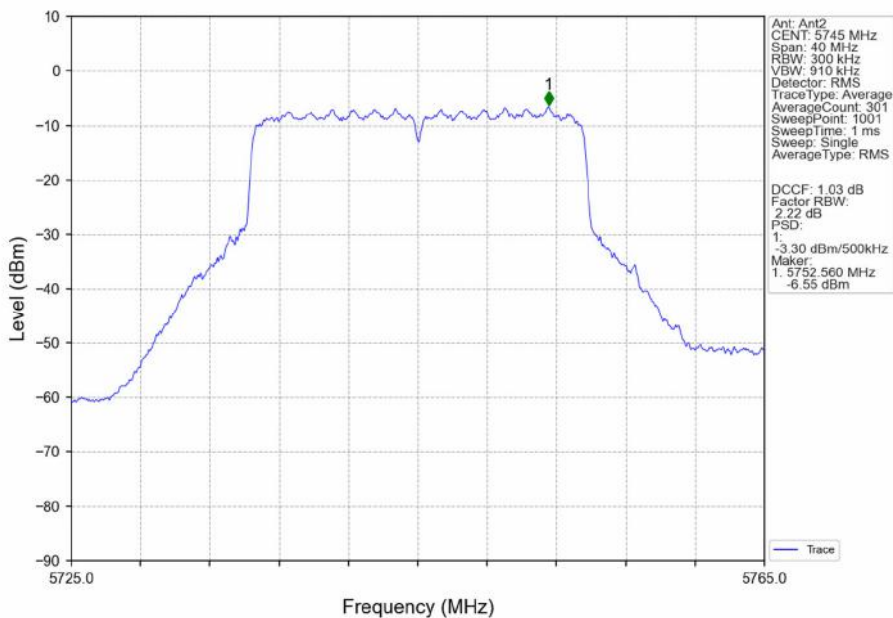
802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



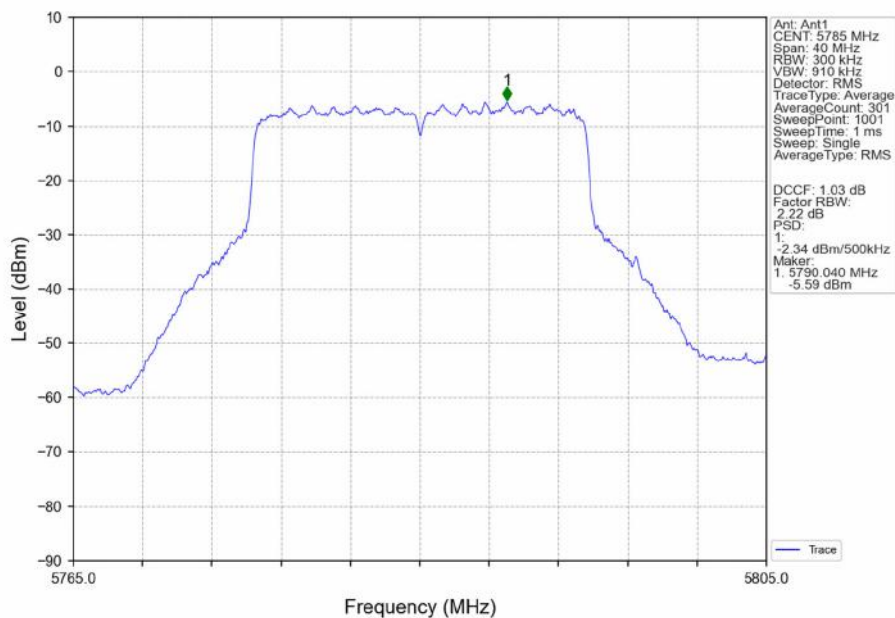
802.11ax(HEW20) LCH\_5745MHz\_SU / Ant1\_NTNV



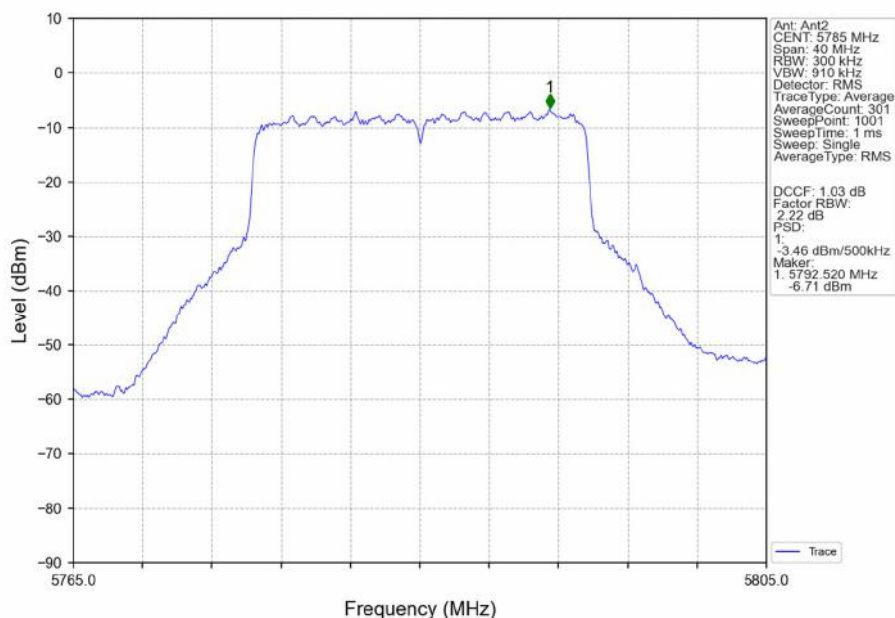
802.11ax(HEW20) LCH\_5745MHz\_SU / Ant2\_NTNV



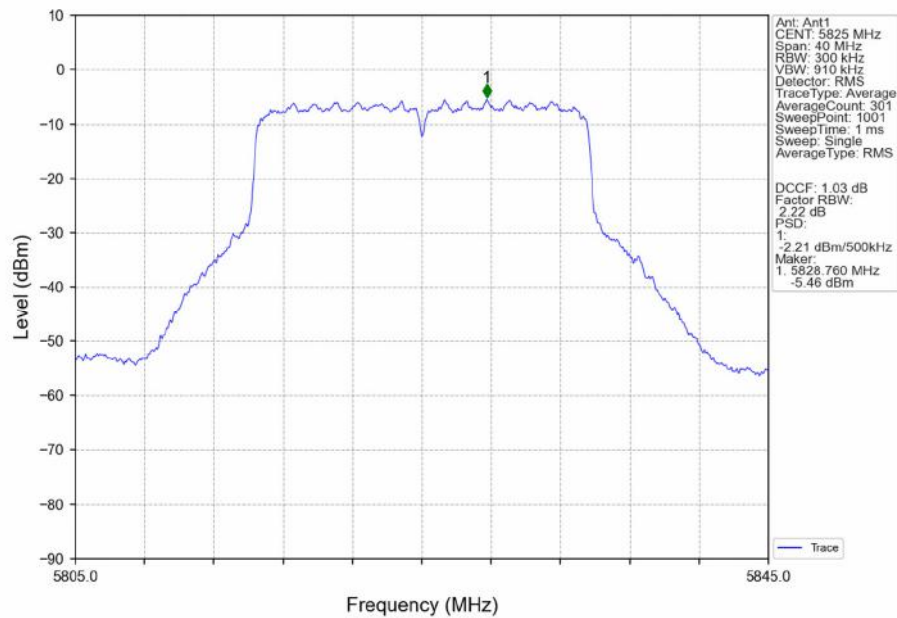
802.11ax(HEW20) MCH\_5785MHz\_SU\_ / Ant1\_NTNV



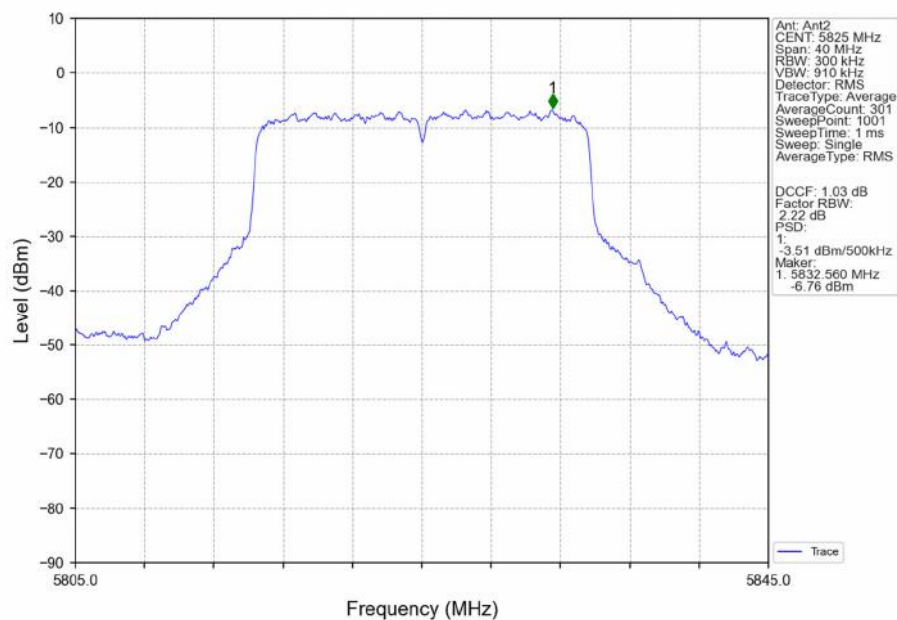
802.11ax(HEW20) MCH\_5785MHz\_SU\_ / Ant2\_NTNV



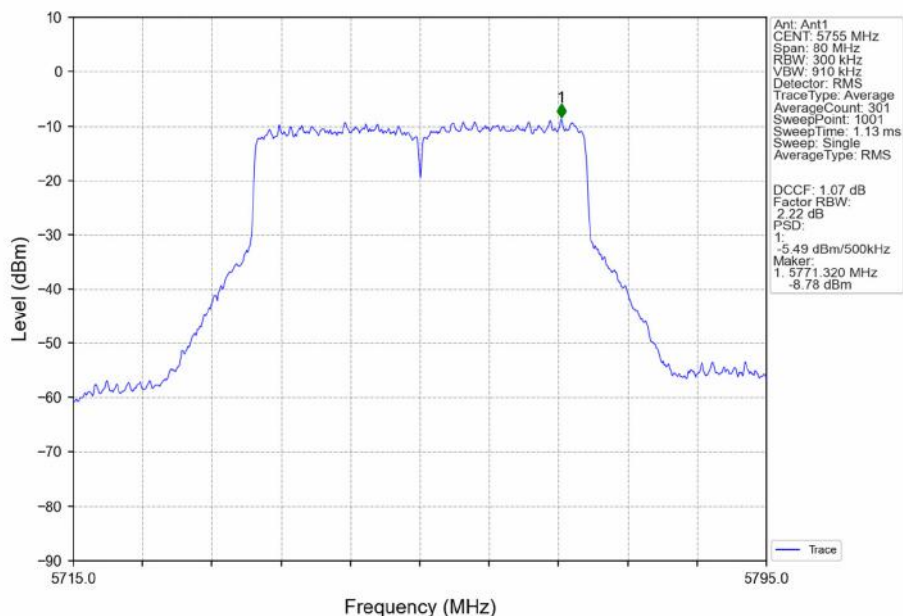
802.11ax(HEW20) HCH\_5825MHz\_SU\_ / Ant1 NTVN



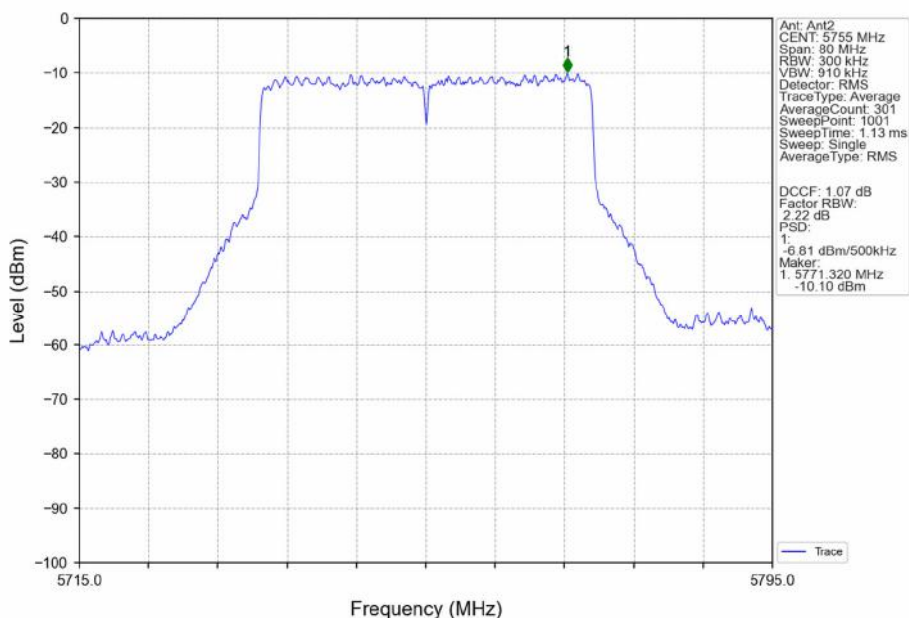
802.11ax(HEW20) HCH\_5825MHz\_SU\_ / Ant2 NTVN



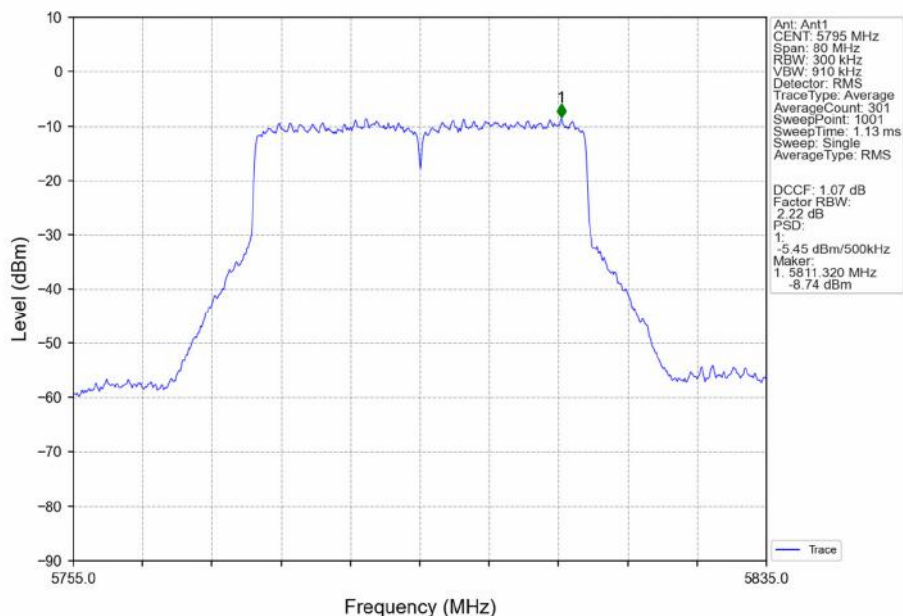
802.11ax(HEW40) LCH\_5755MHz\_SU / Ant1\_NTNV



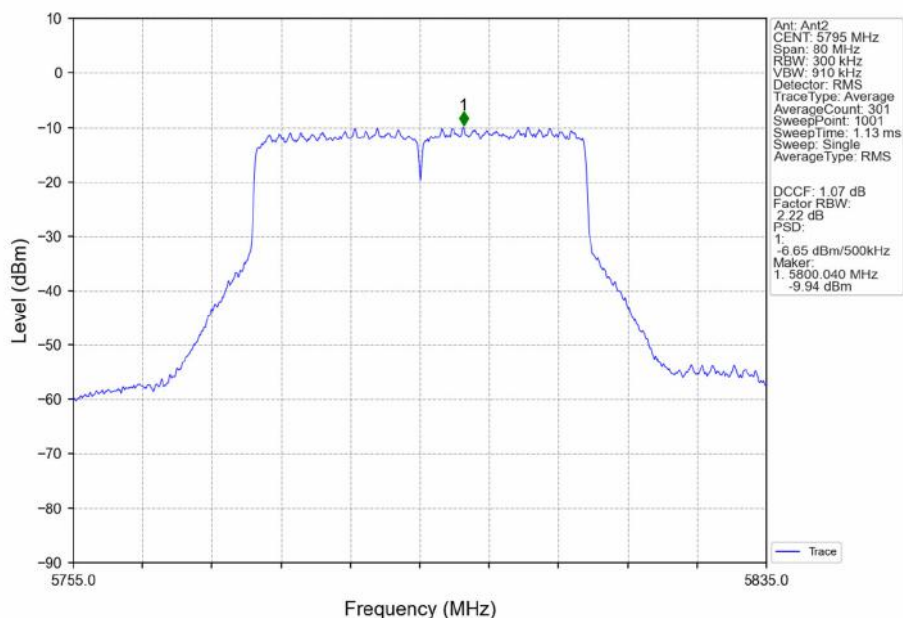
802.11ax(HEW40) LCH\_5755MHz\_SU / Ant2\_NTNV



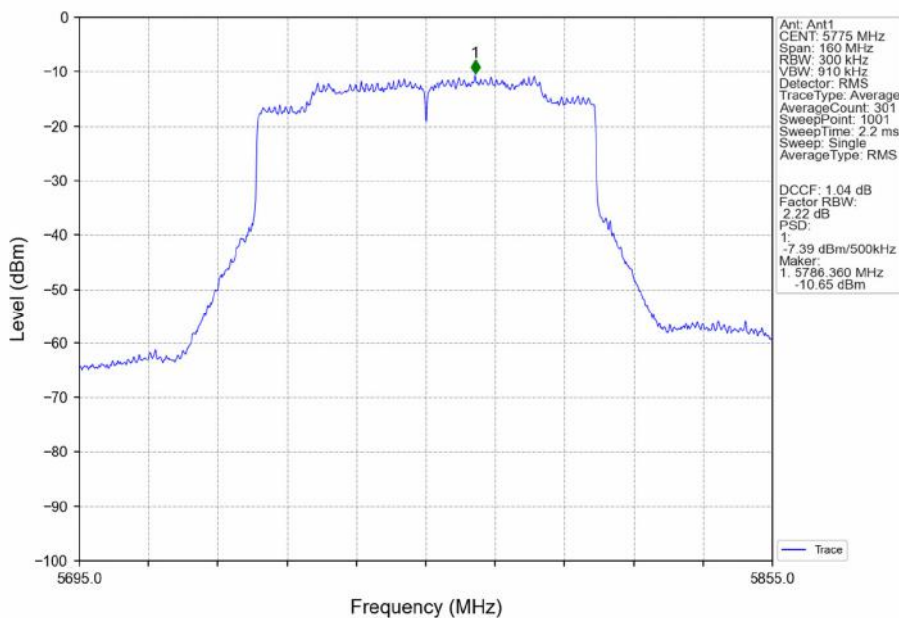
802.11ax(HEW40) HCH\_5795MHz\_SU\_ / Ant1\_NTNV



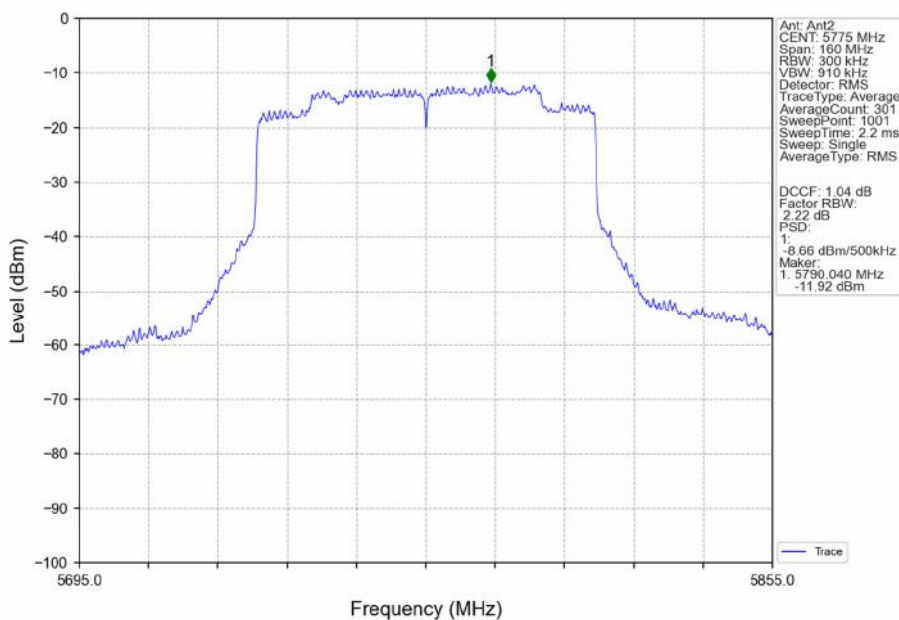
802.11ax(HEW40) HCH\_5795MHz\_SU\_ / Ant2\_NTNV



802.11ax(HEW80) MCH\_5775MHz\_SU / Ant1\_NTNV



802.11ax(HEW80) MCH\_5775MHz\_SU / Ant2\_NTNV



## 5. Unwanted Emissions In Restricted Frequency Bands

### 5.1 Test Result

#### 5.1.1 CSE

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | ANT | Level of Unwanted Emissions (dBm) |       | Verdict |
|------------------|---------|-----------------|----|--------|-----|-----------------------------------|-------|---------|
|                  |         |                 |    |        |     | Result                            | Limit |         |
| 802.11a          | SISO    | 5180            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5745            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5825            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5745            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5825            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5230            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5755            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5795            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5745            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5825            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
| 802.11ac (VHT40) | MIMO    | 5190            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5230            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5755            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
|                  |         | 5795            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |
| 802.11ac (VHT80) | MIMO    | 5210            | /  | /      | 1   | Refer To Test Graph               |       | Pass    |
|                  |         |                 |    |        | 2   | Refer To Test Graph               |       | Pass    |

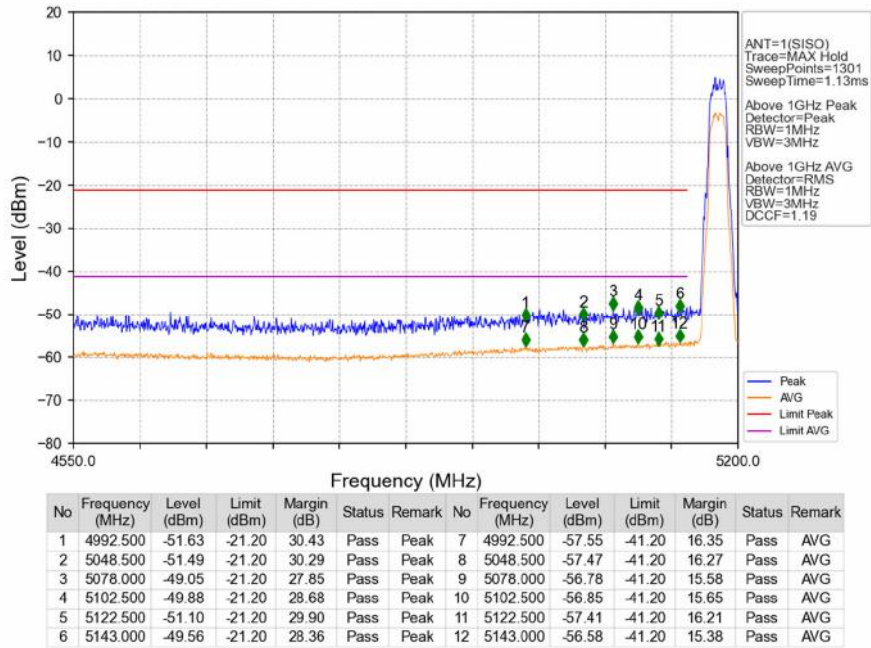
|                     |      |      |    |   |   |                     |      |
|---------------------|------|------|----|---|---|---------------------|------|
|                     |      | 5775 | /  | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
| 802.11ax<br>(HEW20) | MIMO | 5180 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5240 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5745 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5825 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
| 802.11ax<br>(HEW40) | MIMO | 5190 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5230 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5755 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5795 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
| 802.11ax<br>(HEW80) | MIMO | 5210 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |
|                     |      | 5775 | SU | / | 1 | Refer To Test Graph | Pass |
|                     |      |      |    |   | 2 | Refer To Test Graph | Pass |

Note:  
1) EIRP[dBm]=E[dBuV/m]- 95.2, for d= 3 m;  
2) Level[dBm] results have calculated the antenna gain;  
3) Antenna gain= U-NII-1: 5150 MHz to 5250 MHz: ANT 1: -1.61 dBi & ANT 2: -1.29 dBi and U-NII-3: 5725 MHz to 5850 MHz: ANT 1: -0.24 dBi & ANT 2: -1.88 dBi.  
4) The results of MIMO mode passes when the margin of the emission values for both ANT 1 and ANT 2 is greater than 3 dB.

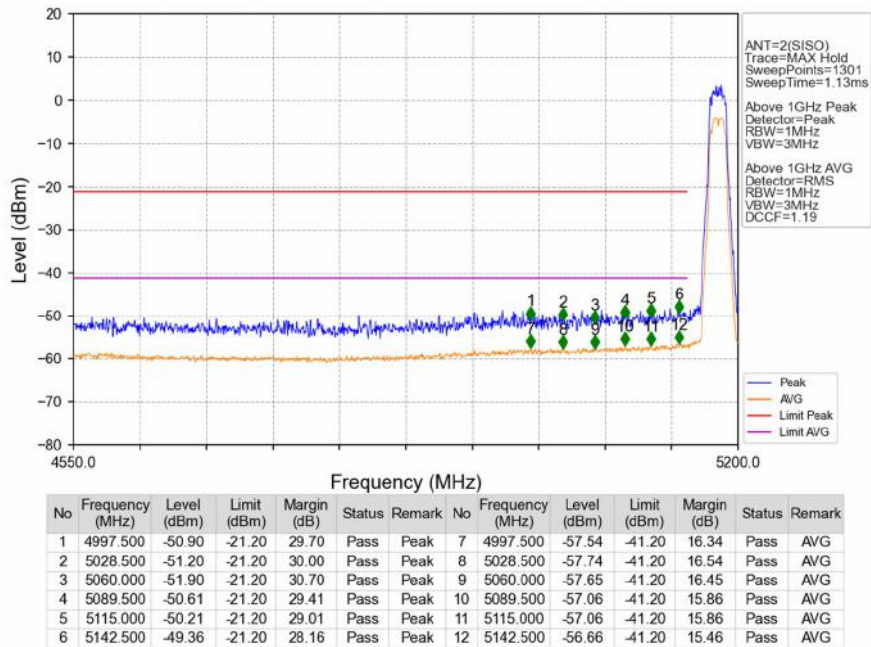
## 5.2 Test Graph

### 5.2.1 CSE

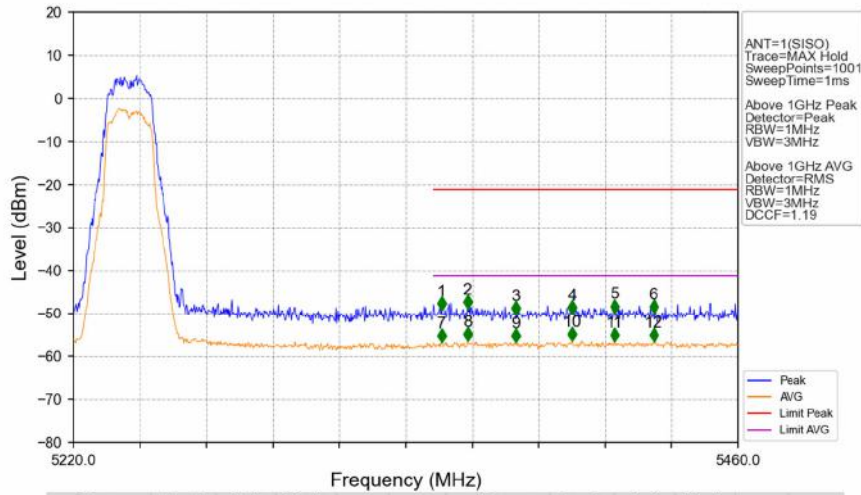
802.11a\_LCH\_5180MHz\_Ant1\_NTNV



802.11a\_LCH\_5180MHz\_Ant2\_NTNV

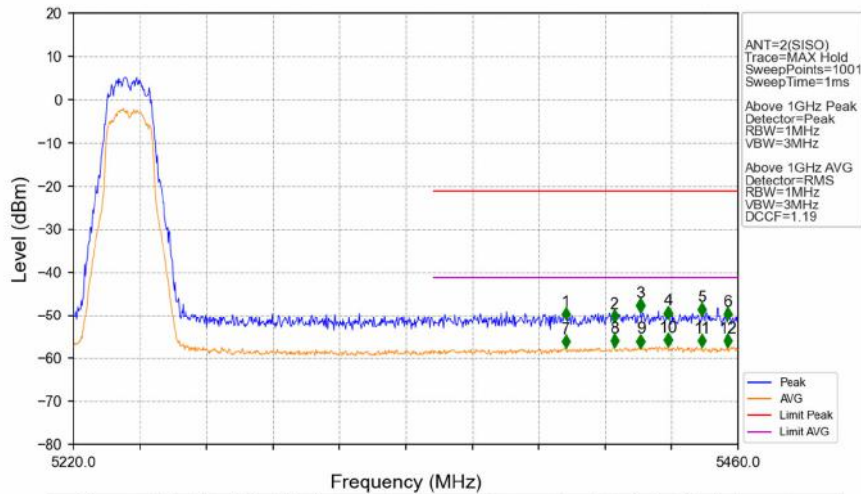


802.11a HCH\_5240MHz\_Ant1\_NTNV



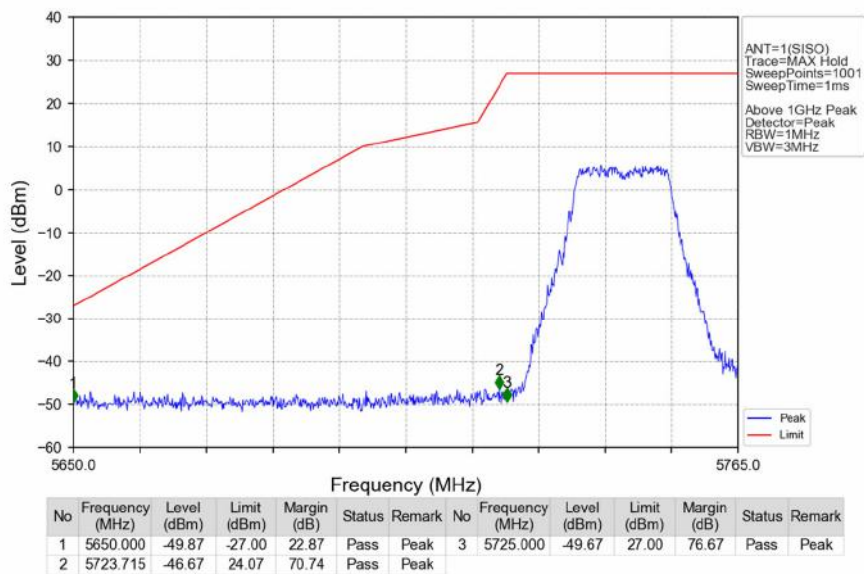
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5352.960        | -49.16      | -21.20      | 27.96       | Pass   | Peak   | 7  | 5352.960        | -56.89      | -41.20      | 15.69       | Pass   | AVG    |
| 2  | 5362.320        | -48.72      | -21.20      | 27.52       | Pass   | Peak   | 8  | 5362.320        | -56.51      | -41.20      | 15.31       | Pass   | AVG    |
| 3  | 5379.600        | -50.25      | -21.20      | 29.05       | Pass   | Peak   | 9  | 5379.600        | -56.79      | -41.20      | 15.59       | Pass   | AVG    |
| 4  | 5400.240        | -49.99      | -21.20      | 28.79       | Pass   | Peak   | 10 | 5400.240        | -56.45      | -41.20      | 15.25       | Pass   | AVG    |
| 5  | 5415.360        | -49.80      | -21.20      | 28.60       | Pass   | Peak   | 11 | 5415.360        | -56.60      | -41.20      | 15.40       | Pass   | AVG    |
| 6  | 5429.520        | -49.94      | -21.20      | 28.74       | Pass   | Peak   | 12 | 5429.520        | -56.68      | -41.20      | 15.48       | Pass   | AVG    |

802.11a HCH\_5240MHz\_Ant2\_NTNV

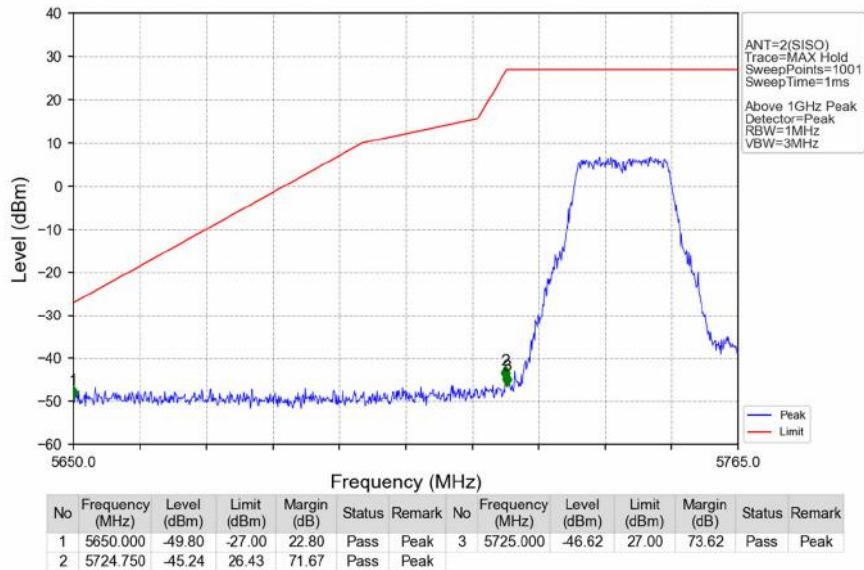


| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5397.840        | -51.09      | -21.20      | 29.89       | Pass   | Peak   | 7  | 5397.840        | -57.78      | -41.20      | 16.58       | Pass   | AVG    |
| 2  | 5415.360        | -51.73      | -21.20      | 30.53       | Pass   | Peak   | 8  | 5415.360        | -57.50      | -41.20      | 16.30       | Pass   | AVG    |
| 3  | 5424.960        | -49.18      | -21.20      | 27.98       | Pass   | Peak   | 9  | 5424.960        | -57.63      | -41.20      | 16.43       | Pass   | AVG    |
| 4  | 5434.800        | -50.89      | -21.20      | 29.69       | Pass   | Peak   | 10 | 5434.800        | -57.39      | -41.20      | 16.19       | Pass   | AVG    |
| 5  | 5447.040        | -50.08      | -21.20      | 28.88       | Pass   | Peak   | 11 | 5447.040        | -57.54      | -41.20      | 16.34       | Pass   | AVG    |
| 6  | 5456.400        | -51.16      | -21.20      | 29.96       | Pass   | Peak   | 12 | 5456.400        | -57.48      | -41.20      | 16.28       | Pass   | AVG    |

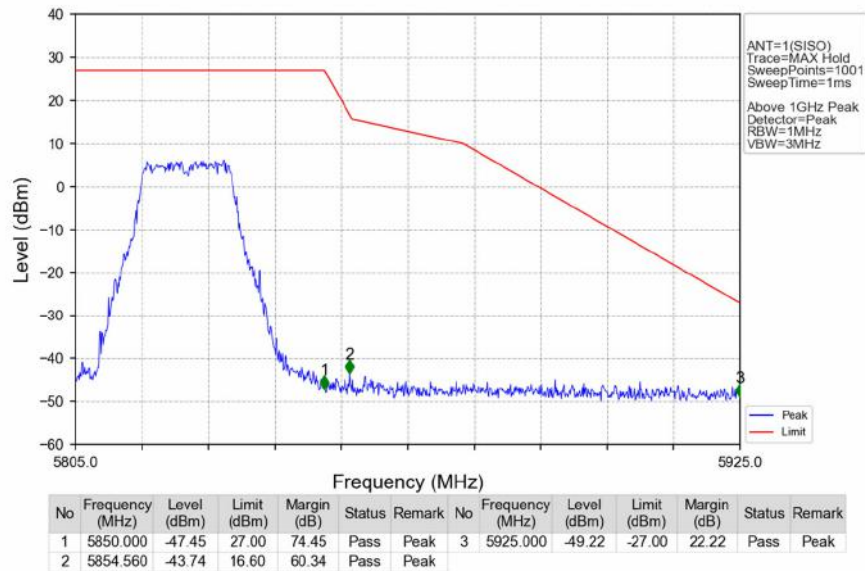
802.11a LCH\_5745MHz\_Ant1\_NTNV



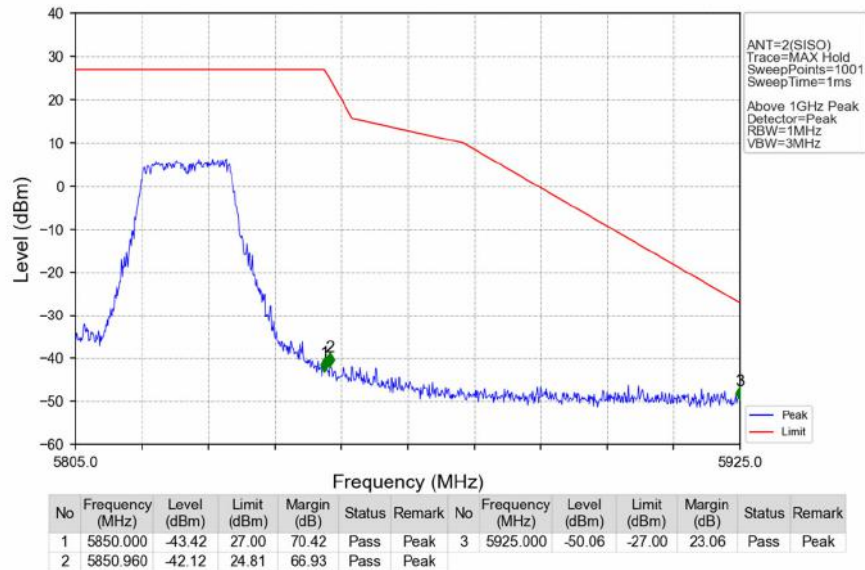
802.11a LCH\_5745MHz\_Ant2\_NTNV



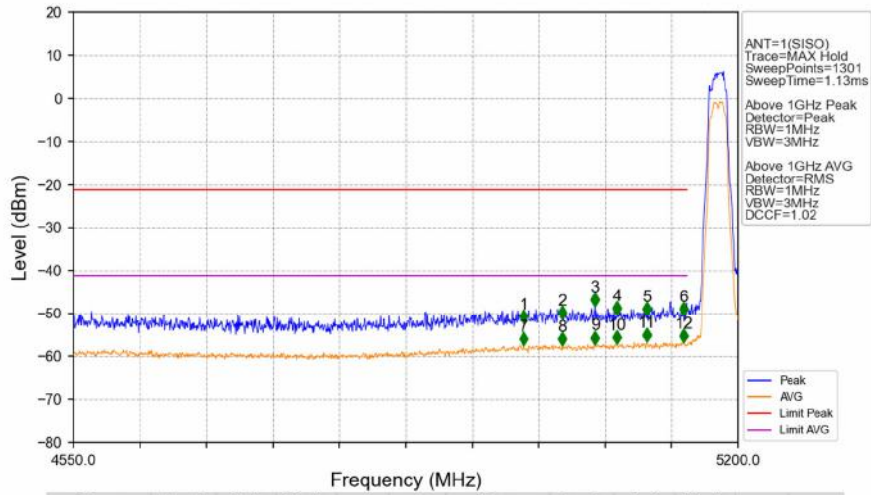
802.11a HCH\_5825MHz\_Ant1\_NTNV



802.11a HCH\_5825MHz\_Ant2\_NTNV

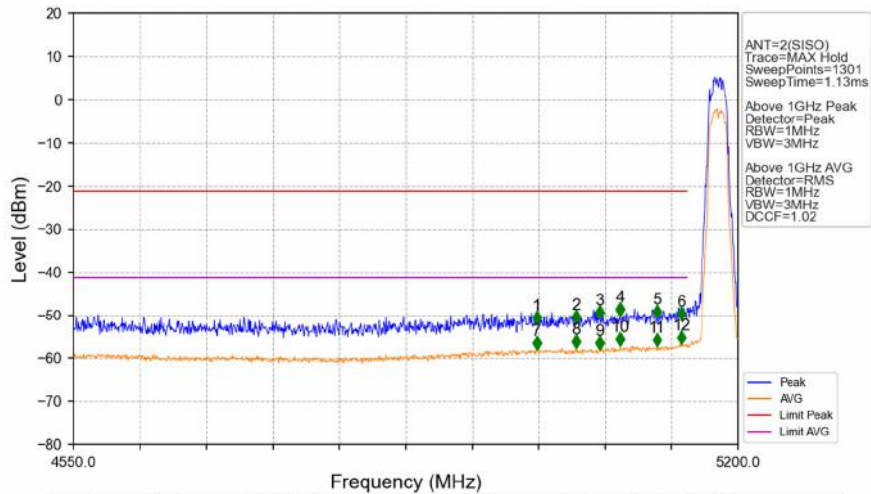


### 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



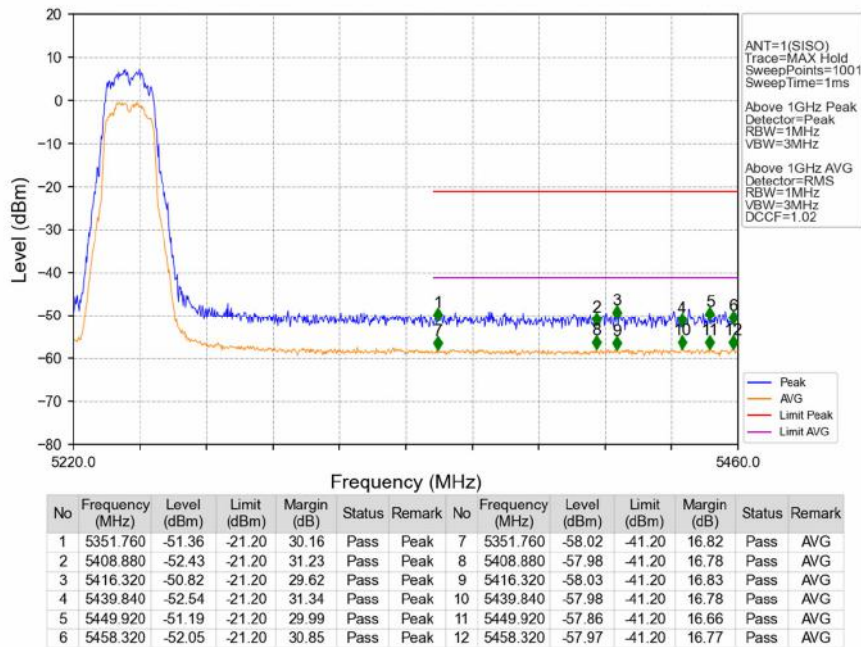
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 4990.500        | -52.18      | -21.20      | 30.98       | Pass   | Peak   | 7  | 4990.500        | -57.53      | -41.20      | 16.33       | Pass   | AVG    |
| 2  | 5028.000        | -51.29      | -21.20      | 30.09       | Pass   | Peak   | 8  | 5028.000        | -57.51      | -41.20      | 16.31       | Pass   | AVG    |
| 3  | 5060.500        | -48.30      | -21.20      | 27.10       | Pass   | Peak   | 9  | 5060.500        | -57.27      | -41.20      | 16.07       | Pass   | AVG    |
| 4  | 5082.000        | -50.20      | -21.20      | 29.00       | Pass   | Peak   | 10 | 5082.000        | -57.17      | -41.20      | 15.97       | Pass   | AVG    |
| 5  | 5111.000        | -50.43      | -21.20      | 29.23       | Pass   | Peak   | 11 | 5111.000        | -56.67      | -41.20      | 15.47       | Pass   | AVG    |
| 6  | 5147.000        | -50.35      | -21.20      | 29.15       | Pass   | Peak   | 12 | 5147.000        | -56.87      | -41.20      | 15.67       | Pass   | AVG    |

### 802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV

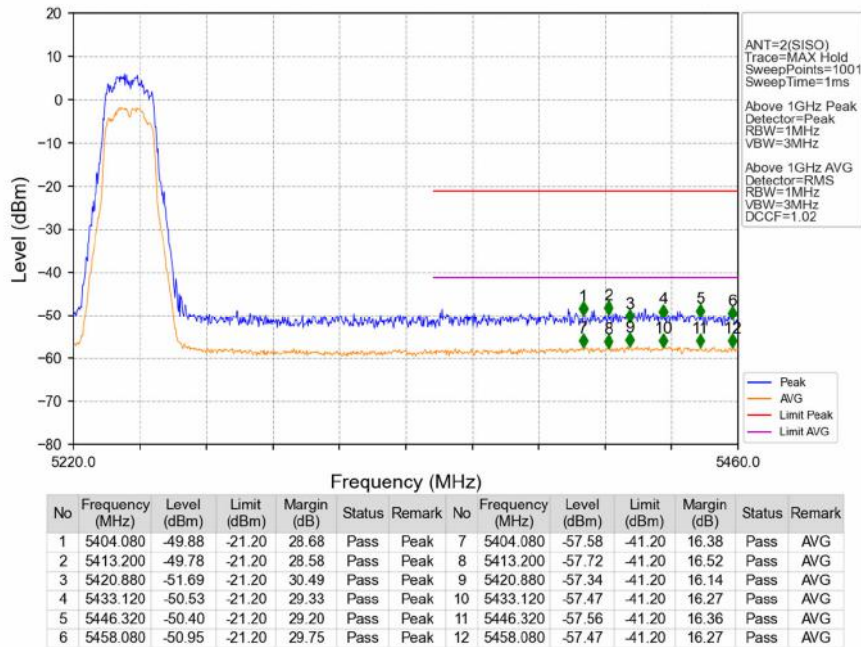


| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5003.000        | -52.05      | -21.20      | 30.85       | Pass   | Peak   | 7  | 5003.000        | -58.07      | -41.20      | 16.87       | Pass   | AVG    |
| 2  | 5041.500        | -51.90      | -21.20      | 30.70       | Pass   | Peak   | 8  | 5041.500        | -57.73      | -41.20      | 16.53       | Pass   | AVG    |
| 3  | 5065.000        | -50.87      | -21.20      | 29.67       | Pass   | Peak   | 9  | 5065.000        | -58.01      | -41.20      | 16.81       | Pass   | AVG    |
| 4  | 5085.000        | -50.08      | -21.20      | 28.88       | Pass   | Peak   | 10 | 5085.000        | -57.20      | -41.20      | 16.00       | Pass   | AVG    |
| 5  | 5121.000        | -50.62      | -21.20      | 29.42       | Pass   | Peak   | 11 | 5121.000        | -57.31      | -41.20      | 16.11       | Pass   | AVG    |
| 6  | 5145.000        | -51.14      | -21.20      | 29.94       | Pass   | Peak   | 12 | 5145.000        | -56.88      | -41.20      | 15.68       | Pass   | AVG    |

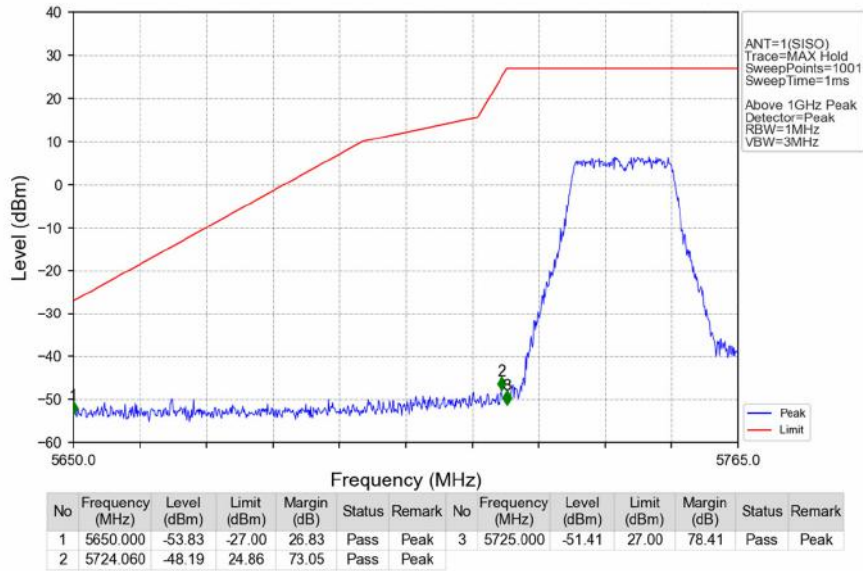
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



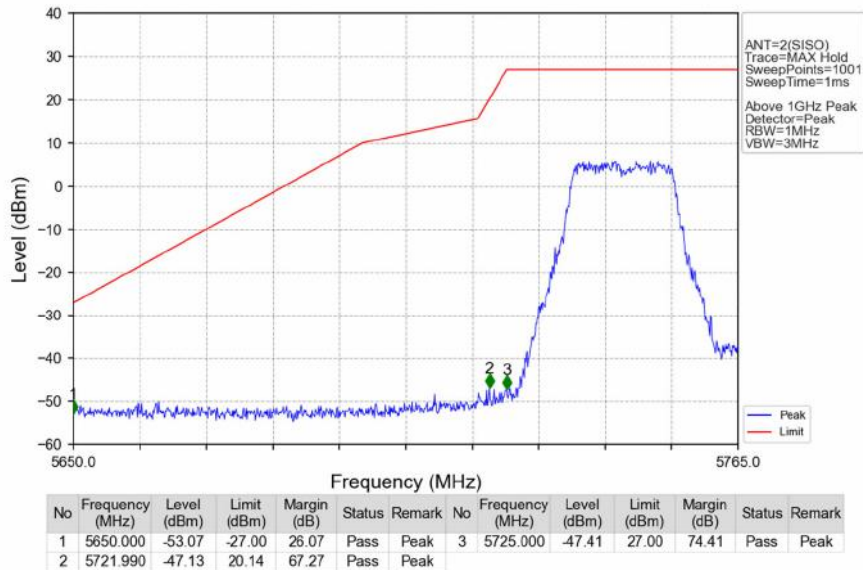
802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



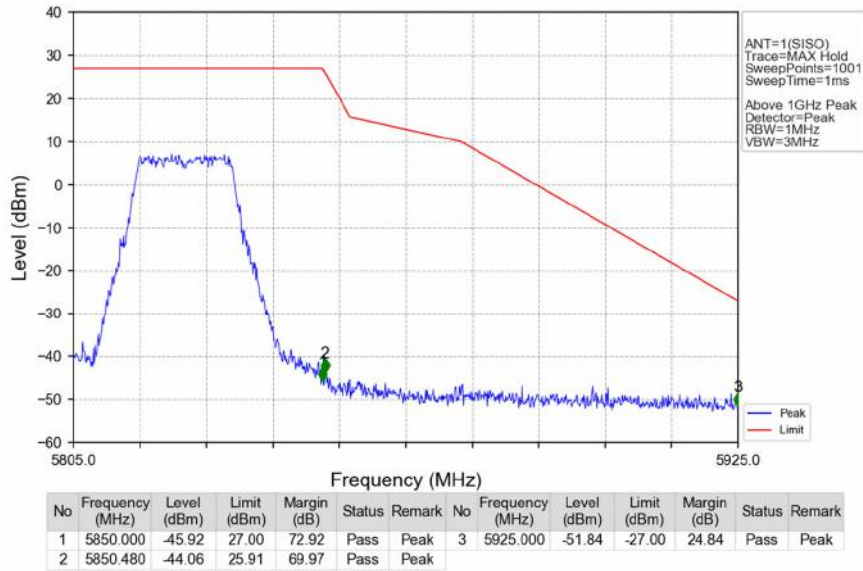
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



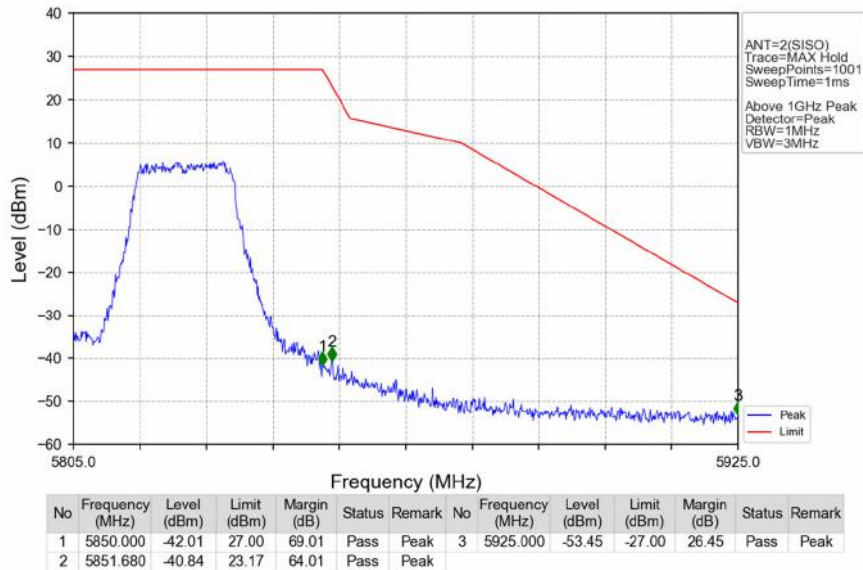
802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



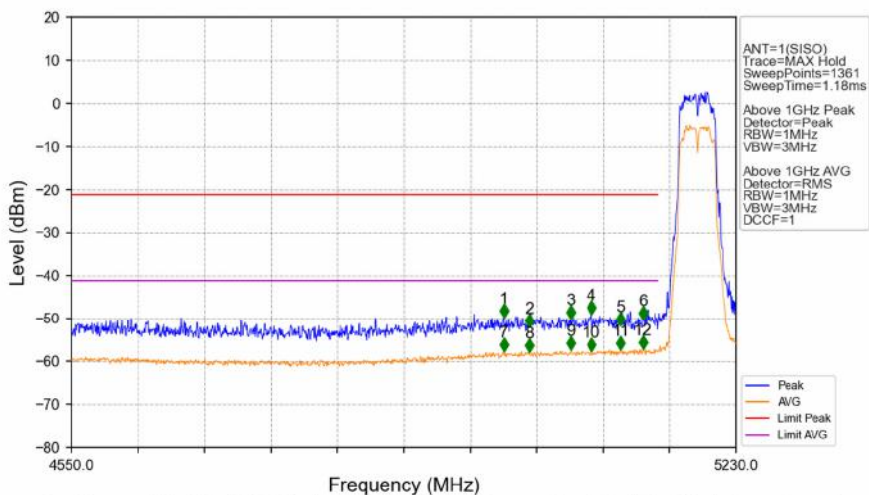
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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

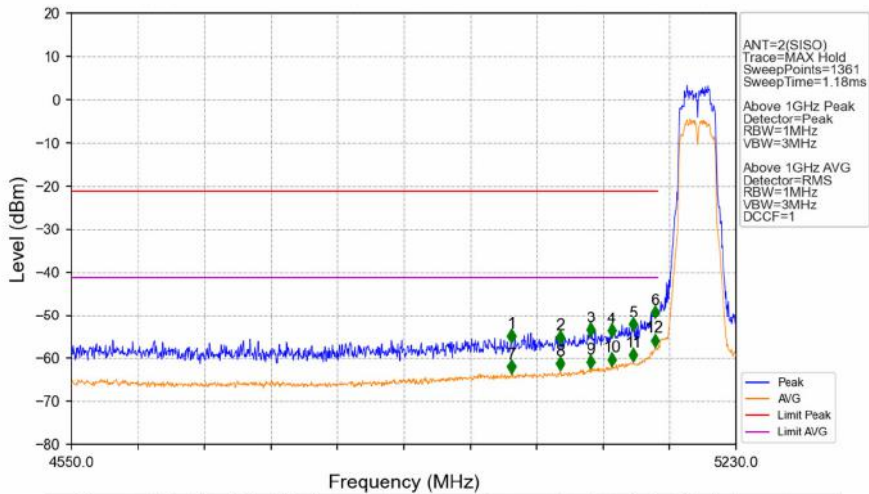


### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



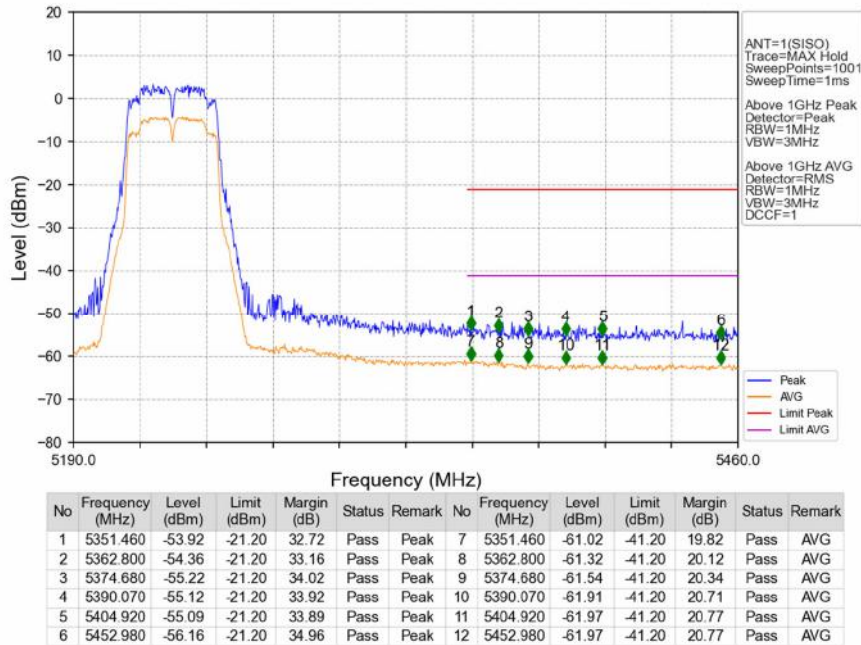
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 4992.500        | -49.76      | -21.20      | 28.56       | Pass   | Peak   | 7  | 4992.500        | -57.75      | -41.20      | 16.55       | Pass   | AVG    |
| 2  | 5018.500        | -52.02      | -21.20      | 30.82       | Pass   | Peak   | 8  | 5018.500        | -57.87      | -41.20      | 16.67       | Pass   | AVG    |
| 3  | 5061.500        | -50.04      | -21.20      | 28.84       | Pass   | Peak   | 9  | 5061.500        | -57.44      | -41.20      | 16.24       | Pass   | AVG    |
| 4  | 5082.000        | -48.97      | -21.20      | 27.77       | Pass   | Peak   | 10 | 5082.000        | -57.66      | -41.20      | 16.46       | Pass   | AVG    |
| 5  | 5112.000        | -51.71      | -21.20      | 30.51       | Pass   | Peak   | 11 | 5112.000        | -57.35      | -41.20      | 16.15       | Pass   | AVG    |
| 6  | 5135.000        | -50.24      | -21.20      | 29.04       | Pass   | Peak   | 12 | 5135.000        | -57.09      | -41.20      | 15.89       | Pass   | AVG    |

### 802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV

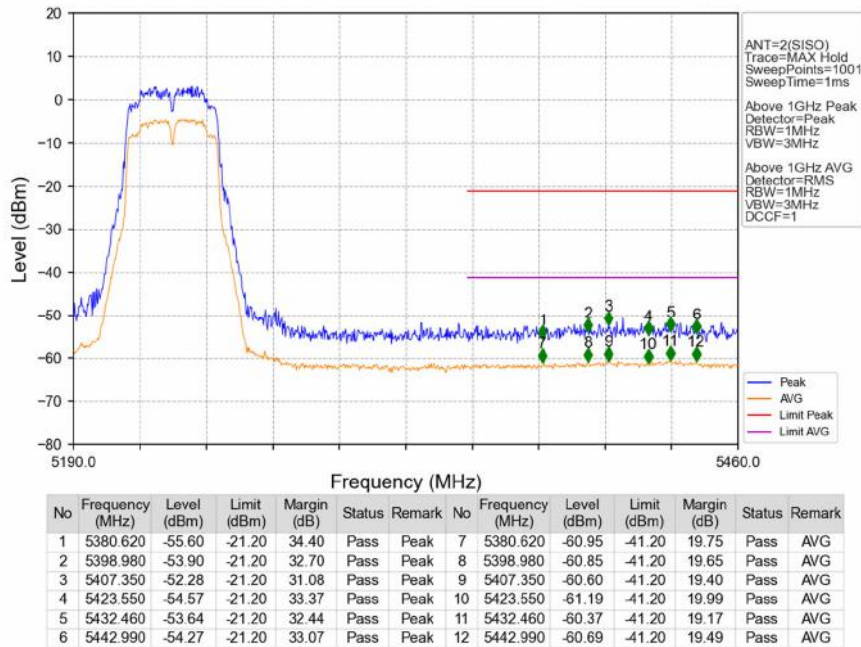


| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5000.500        | -56.40      | -21.20      | 35.20       | Pass   | Peak   | 7  | 5000.500        | -63.55      | -41.20      | 22.35       | Pass   | AVG    |
| 2  | 5050.000        | -56.84      | -21.20      | 35.64       | Pass   | Peak   | 8  | 5050.000        | -62.89      | -41.20      | 21.69       | Pass   | AVG    |
| 3  | 5081.000        | -54.97      | -21.20      | 33.77       | Pass   | Peak   | 9  | 5081.000        | -62.54      | -41.20      | 21.34       | Pass   | AVG    |
| 4  | 5103.000        | -55.25      | -21.20      | 34.05       | Pass   | Peak   | 10 | 5103.000        | -62.00      | -41.20      | 20.80       | Pass   | AVG    |
| 5  | 5125.000        | -53.66      | -21.20      | 32.46       | Pass   | Peak   | 11 | 5125.000        | -60.79      | -41.20      | 19.59       | Pass   | AVG    |
| 6  | 5147.000        | -50.85      | -21.20      | 29.65       | Pass   | Peak   | 12 | 5147.000        | -57.45      | -41.20      | 16.25       | Pass   | AVG    |

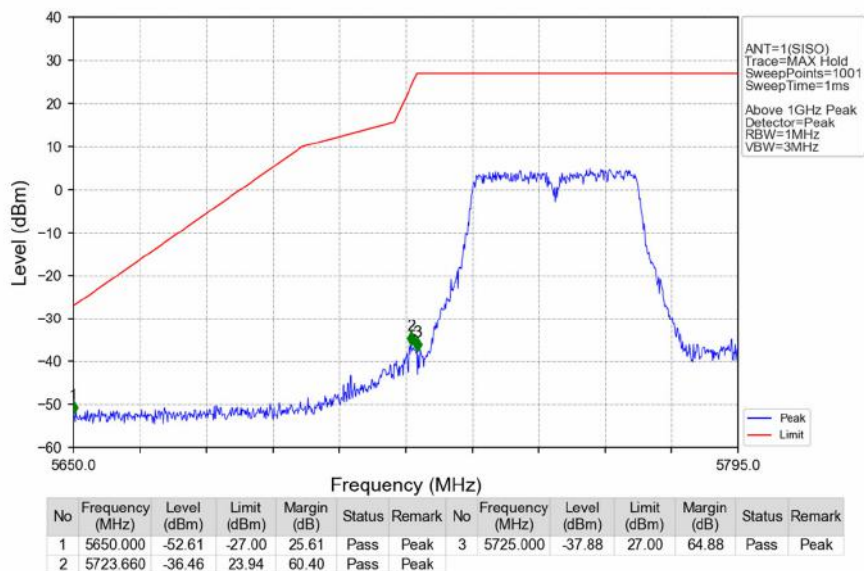
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



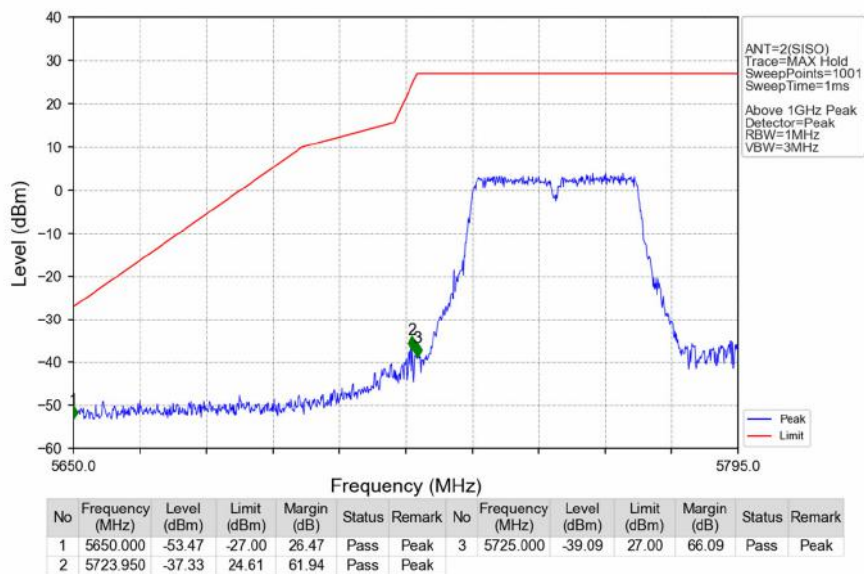
802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV



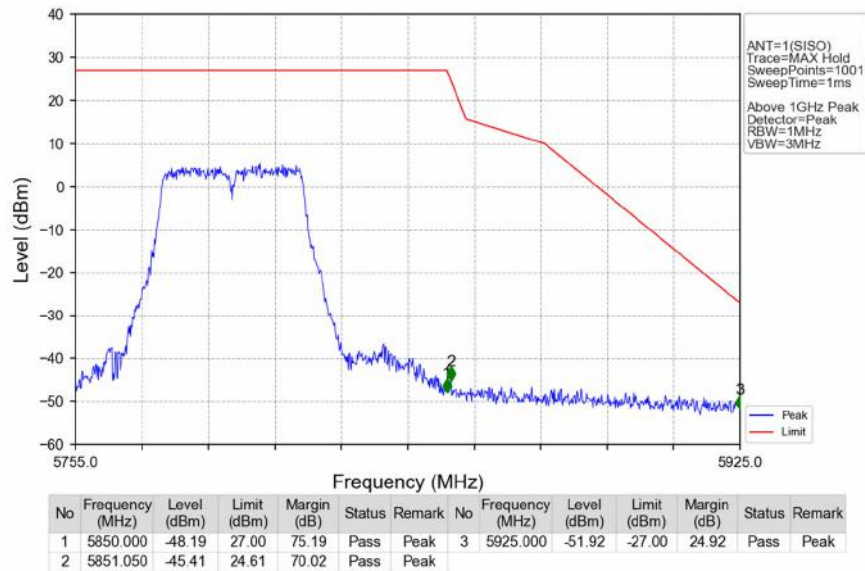
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



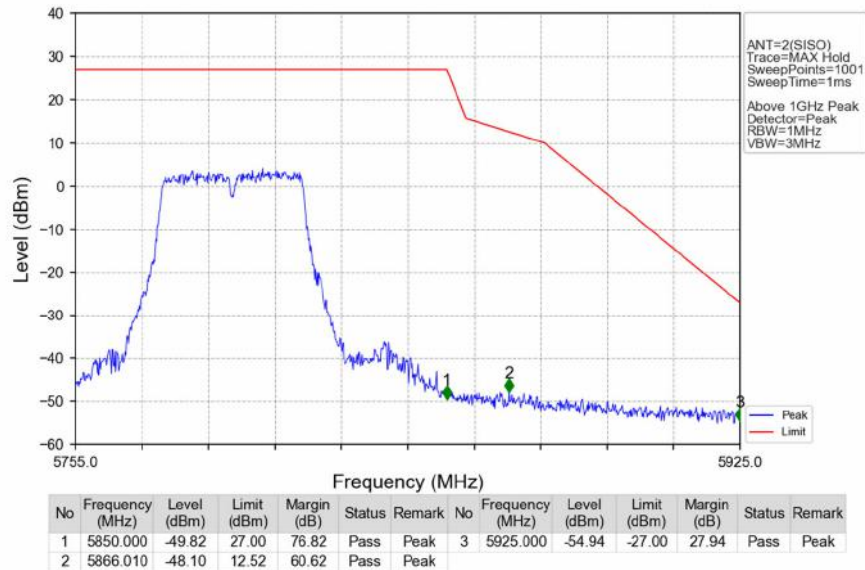
802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



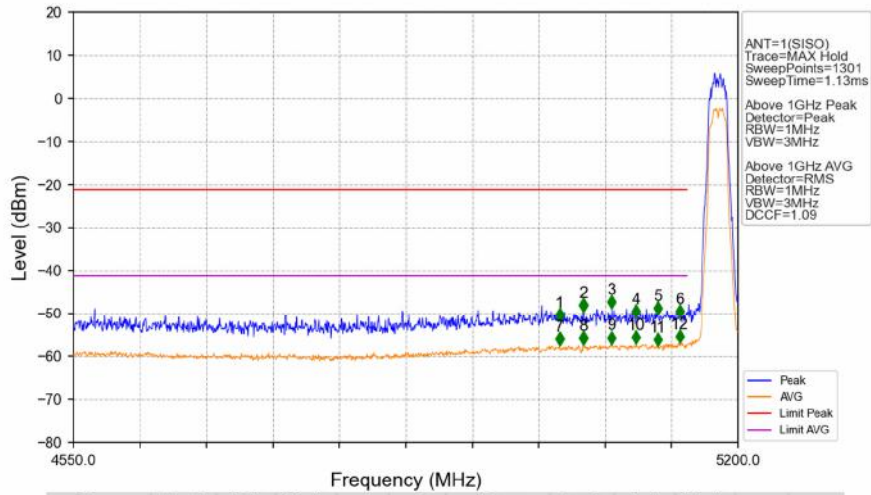
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



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

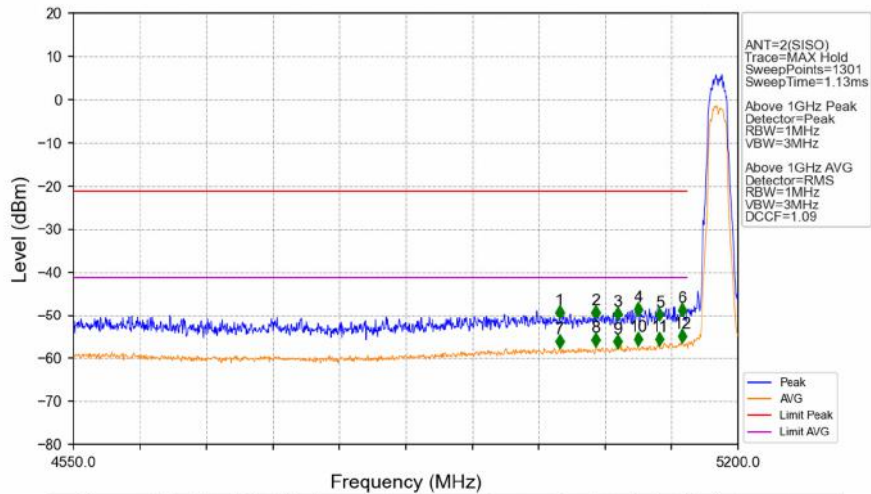


802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



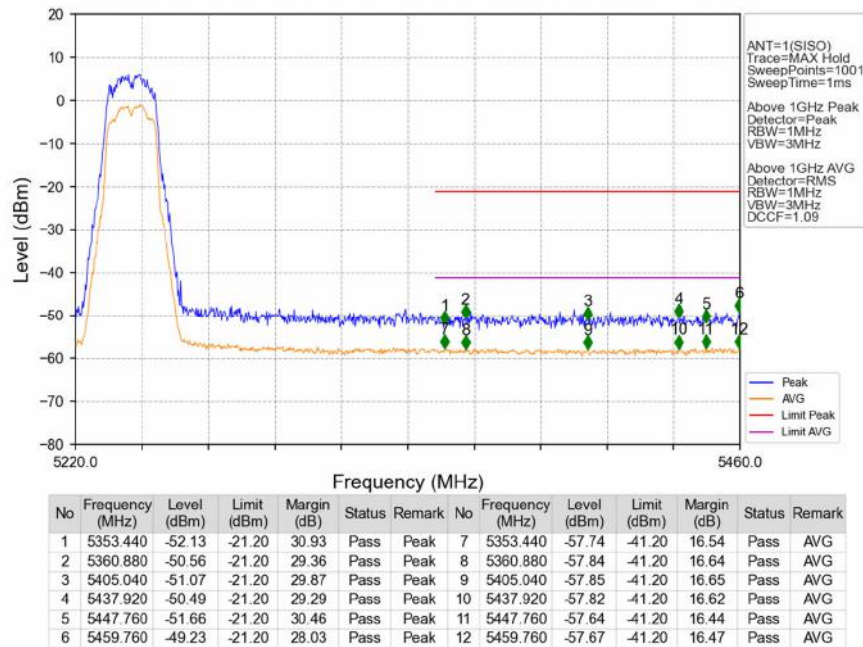
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5025.500        | -51.87      | -21.20      | 30.67       | Pass   | Peak   | 7  | 5025.500        | -57.62      | -41.20      | 16.42       | Pass   | AVG    |
| 2  | 5048.500        | -49.51      | -21.20      | 28.31       | Pass   | Peak   | 8  | 5048.500        | -57.41      | -41.20      | 16.21       | Pass   | AVG    |
| 3  | 5076.500        | -48.80      | -21.20      | 27.60       | Pass   | Peak   | 9  | 5076.500        | -57.27      | -41.20      | 16.07       | Pass   | AVG    |
| 4  | 5100.500        | -50.92      | -21.20      | 29.72       | Pass   | Peak   | 10 | 5100.500        | -57.20      | -41.20      | 16.00       | Pass   | AVG    |
| 5  | 5121.500        | -50.33      | -21.20      | 29.13       | Pass   | Peak   | 11 | 5121.500        | -57.76      | -41.20      | 16.56       | Pass   | AVG    |
| 6  | 5143.000        | -51.05      | -21.20      | 29.85       | Pass   | Peak   | 12 | 5143.000        | -57.01      | -41.20      | 15.81       | Pass   | AVG    |

802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV

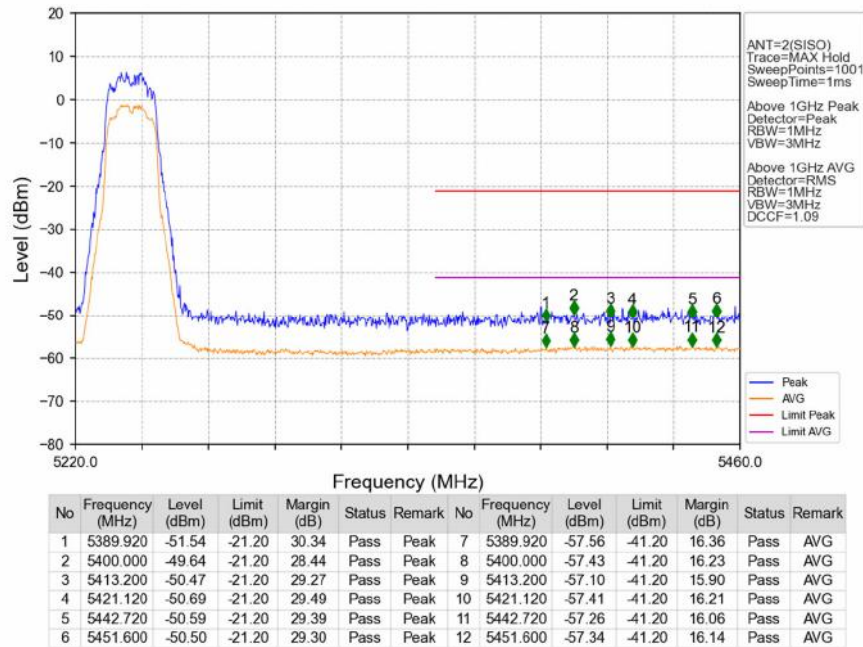


| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5025.500        | -50.78      | -21.20      | 29.58       | Pass   | Peak   | 7  | 5025.500        | -57.74      | -41.20      | 16.54       | Pass   | AVG    |
| 2  | 5061.000        | -50.80      | -21.20      | 29.60       | Pass   | Peak   | 8  | 5061.000        | -57.29      | -41.20      | 16.09       | Pass   | AVG    |
| 3  | 5082.500        | -51.21      | -21.20      | 30.01       | Pass   | Peak   | 9  | 5082.500        | -57.70      | -41.20      | 16.50       | Pass   | AVG    |
| 4  | 5102.500        | -50.07      | -21.20      | 28.87       | Pass   | Peak   | 10 | 5102.500        | -57.09      | -41.20      | 15.89       | Pass   | AVG    |
| 5  | 5123.500        | -51.39      | -21.20      | 30.19       | Pass   | Peak   | 11 | 5123.500        | -57.21      | -41.20      | 16.01       | Pass   | AVG    |
| 6  | 5145.500        | -50.26      | -21.20      | 29.06       | Pass   | Peak   | 12 | 5145.500        | -56.45      | -41.20      | 15.25       | Pass   | AVG    |

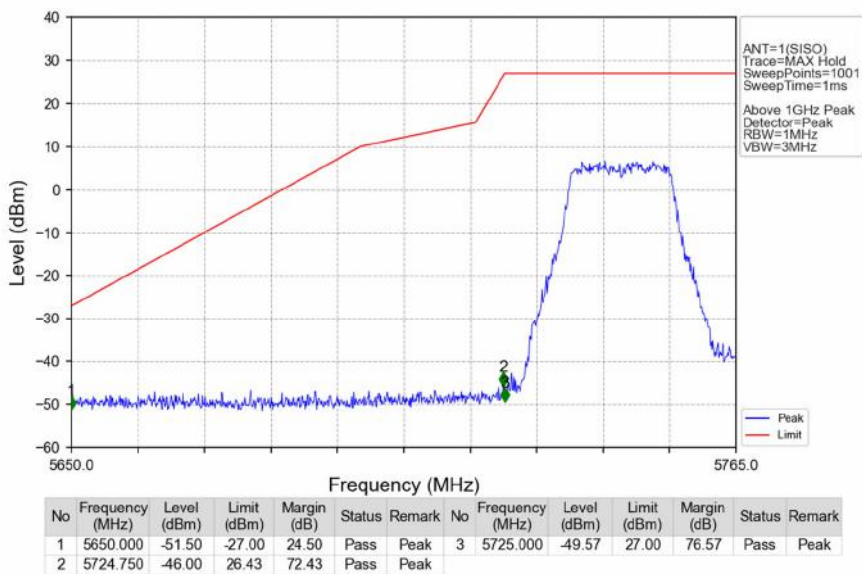
### 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



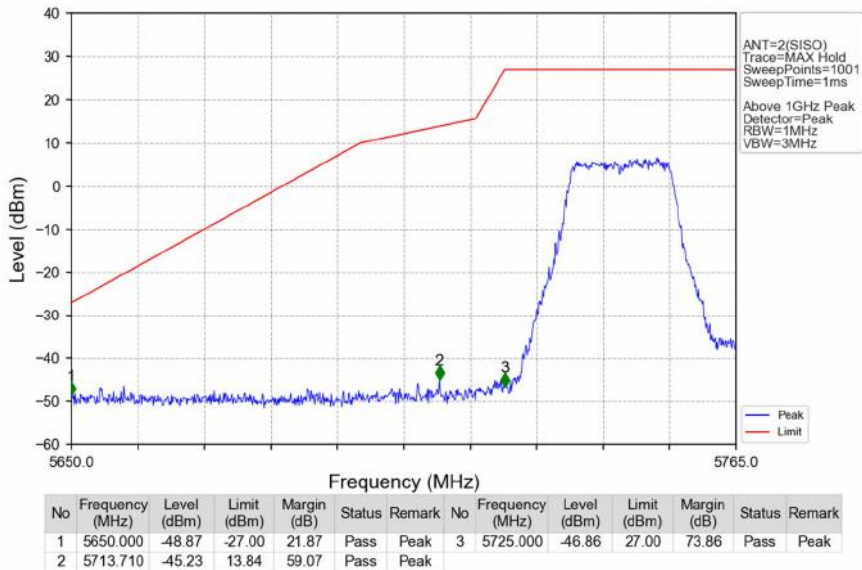
### 802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



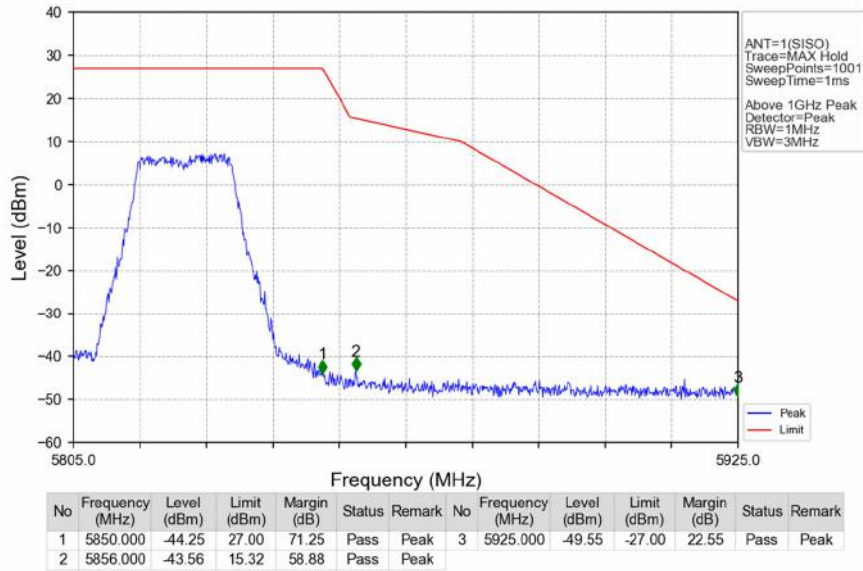
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



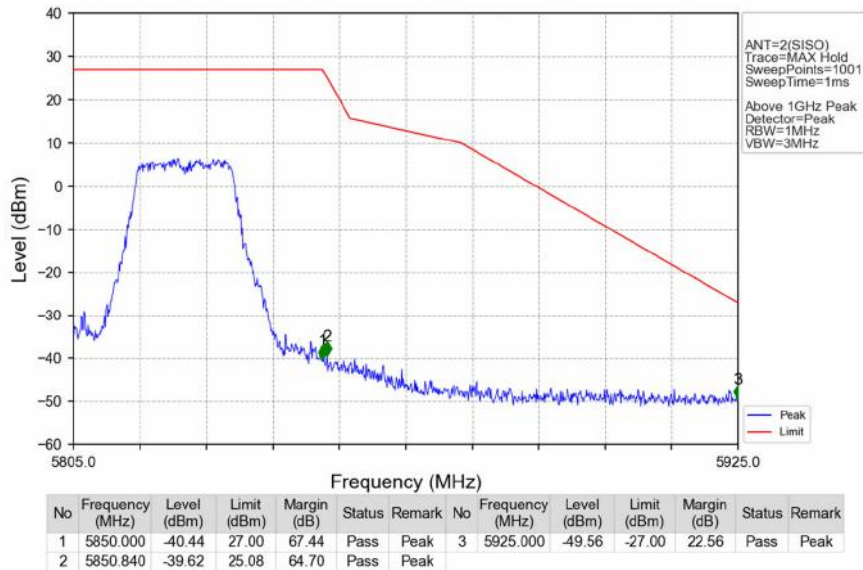
802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



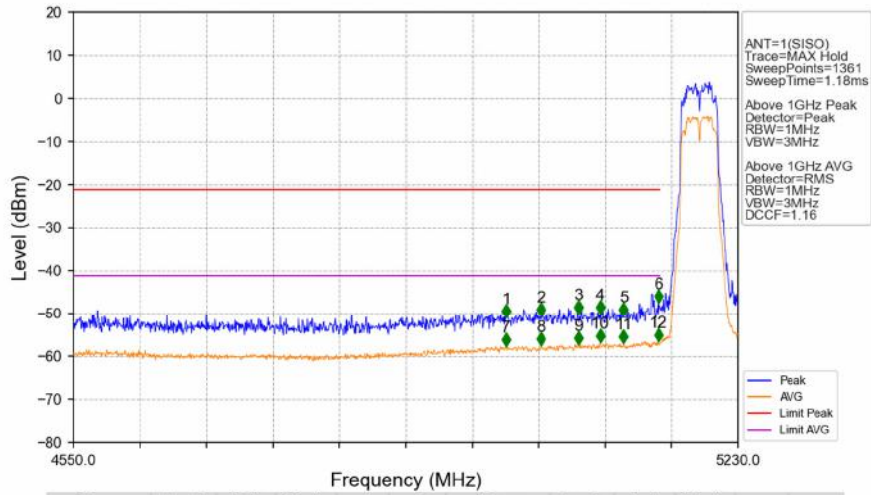
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV

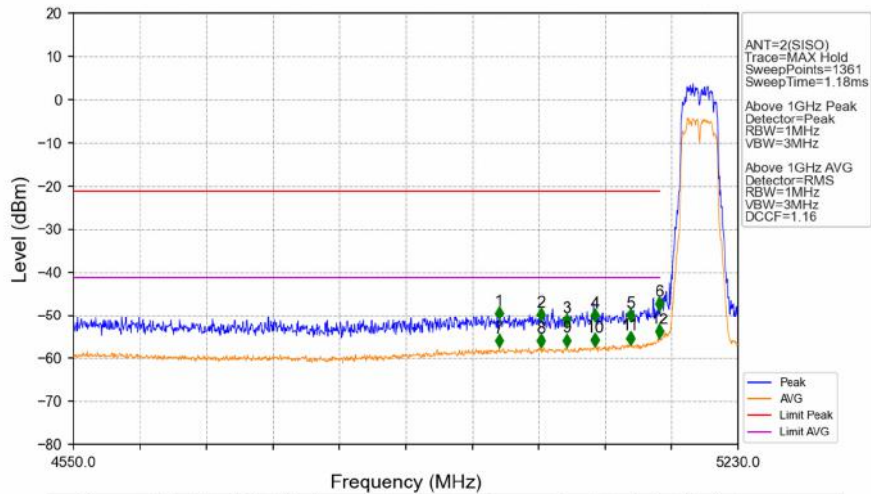


802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 4993.000        | -51.07      | -21.20      | 29.87       | Pass   | Peak   | 7  | 4993.000        | -57.75      | -41.20      | 16.55       | Pass   | AVG    |
| 2  | 5028.500        | -50.62      | -21.20      | 29.42       | Pass   | Peak   | 8  | 5028.500        | -57.55      | -41.20      | 16.35       | Pass   | AVG    |
| 3  | 5066.500        | -50.05      | -21.20      | 28.85       | Pass   | Peak   | 9  | 5066.500        | -57.33      | -41.20      | 16.13       | Pass   | AVG    |
| 4  | 5089.000        | -50.08      | -21.20      | 28.88       | Pass   | Peak   | 10 | 5089.000        | -56.88      | -41.20      | 15.68       | Pass   | AVG    |
| 5  | 5113.000        | -50.65      | -21.20      | 29.45       | Pass   | Peak   | 11 | 5113.000        | -57.06      | -41.20      | 15.86       | Pass   | AVG    |
| 6  | 5148.500        | -47.58      | -21.20      | 26.38       | Pass   | Peak   | 12 | 5148.500        | -56.72      | -41.20      | 15.52       | Pass   | AVG    |

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



| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 4985.500        | -50.97      | -21.20      | 29.77       | Pass   | Peak   | 7  | 4985.500        | -57.57      | -41.20      | 16.37       | Pass   | AVG    |
| 2  | 5028.000        | -51.27      | -21.20      | 30.07       | Pass   | Peak   | 8  | 5028.000        | -57.53      | -41.20      | 16.33       | Pass   | AVG    |
| 3  | 5055.000        | -52.58      | -21.20      | 31.38       | Pass   | Peak   | 9  | 5055.000        | -57.45      | -41.20      | 16.25       | Pass   | AVG    |
| 4  | 5084.000        | -51.46      | -21.20      | 30.26       | Pass   | Peak   | 10 | 5084.000        | -57.36      | -41.20      | 16.16       | Pass   | AVG    |
| 5  | 5119.500        | -51.45      | -21.20      | 30.25       | Pass   | Peak   | 11 | 5119.500        | -56.90      | -41.20      | 15.70       | Pass   | AVG    |
| 6  | 5150.000        | -48.73      | -21.20      | 27.53       | Pass   | Peak   | 12 | 5150.000        | -55.27      | -41.20      | 14.07       | Pass   | AVG    |