

## **Appendix RF Test Data for WIFI 5G**

**Company:** : CHIGEE TECHNOLOGY CO., LTD.

**EUT** : Motorcycle Dash cam

**FCC ID:** : 2A95C-XR-1

**Model Number** : XR-1

**Report No.** : HTT202601283F03

**Reviewed By** : Heber He

## 1. Duty Cycle

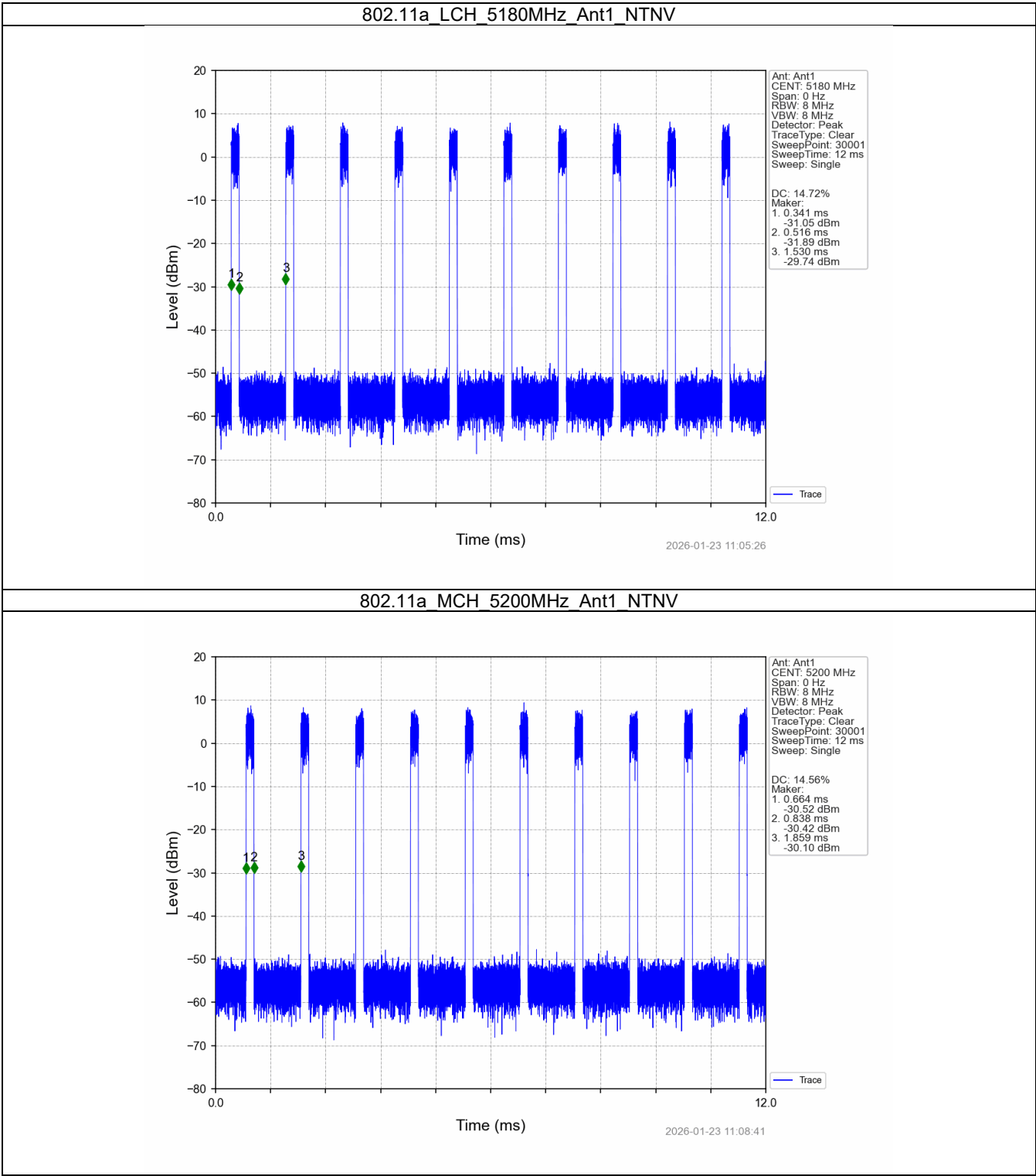
### 1.1 Test Result

#### 1.1.1 Ant1

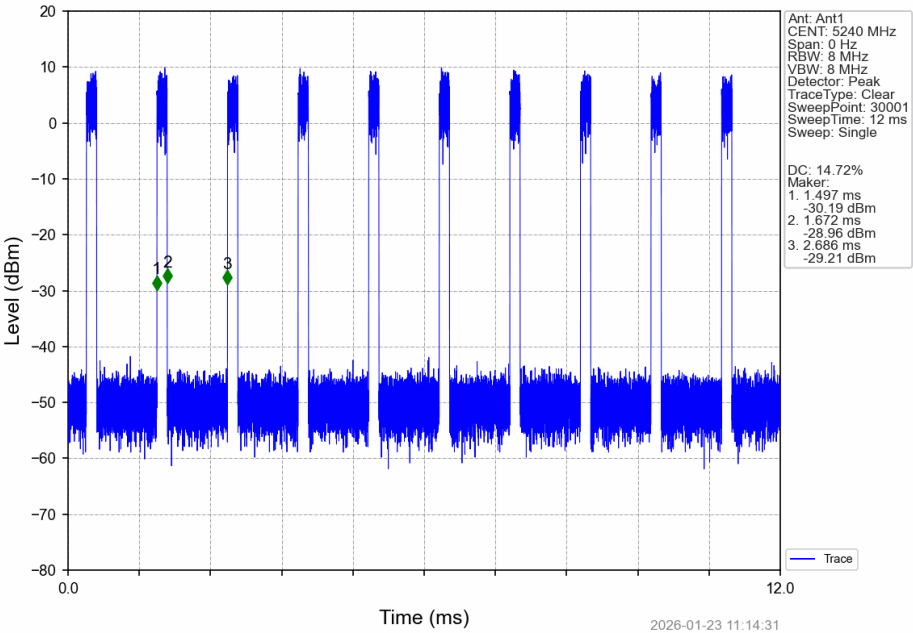
| Mode             | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
|------------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| 802.11a          | SISO    | 5180            | 0.175     | 1.189       | 14.72          | 8.32                              | 0.03                  |
|                  |         | 5200            | 0.174     | 1.195       | 14.56          | 8.37                              | 0.03                  |
|                  |         | 5240            | 0.175     | 1.189       | 14.72          | 8.32                              | 0.03                  |
| 802.11n (HT20)   | SISO    | 5180            | 0.162     | 1.177       | 13.76          | 8.61                              | 0.03                  |
|                  |         | 5200            | 0.162     | 1.177       | 13.76          | 8.61                              | 0.03                  |
|                  |         | 5240            | 0.162     | 1.181       | 13.72          | 8.63                              | 0.07                  |
| 802.11n (HT40)   | SISO    | 5190            | 0.097     | 1.112       | 8.72           | 10.59                             | 0.03                  |
|                  |         | 5230            | 0.098     | 1.113       | 8.81           | 10.55                             | 0.03                  |
| 802.11ac (VHT20) | SISO    | 5180            | 0.174     | 1.189       | 14.63          | 8.35                              | 0.03                  |
|                  |         | 5200            | 0.175     | 1.189       | 14.72          | 8.32                              | 0.03                  |
|                  |         | 5240            | 0.174     | 1.189       | 14.63          | 8.35                              | 0.03                  |
| 802.11ac (VHT40) | SISO    | 5190            | 0.102     | 1.116       | 9.14           | 10.39                             | 0.03                  |
|                  |         | 5230            | 0.102     | 1.117       | 9.13           | 10.39                             | 0.03                  |
| 802.11ax (HEW20) | SISO    | 5180            | 0.153     | 1.170       | 13.08          | 8.83                              | 0.03                  |
|                  |         | 5200            | 0.153     | 1.170       | 13.08          | 8.83                              | 0.03                  |
|                  |         | 5240            | 0.153     | 1.170       | 13.08          | 8.83                              | 0.03                  |
| 802.11ax (HEW40) | SISO    | 5190            | 0.107     | 1.129       | 9.48           | 10.23                             | 0.06                  |
|                  |         | 5230            | 0.107     | 1.129       | 9.48           | 10.23                             | 0.03                  |

# 1.2 Test Graph

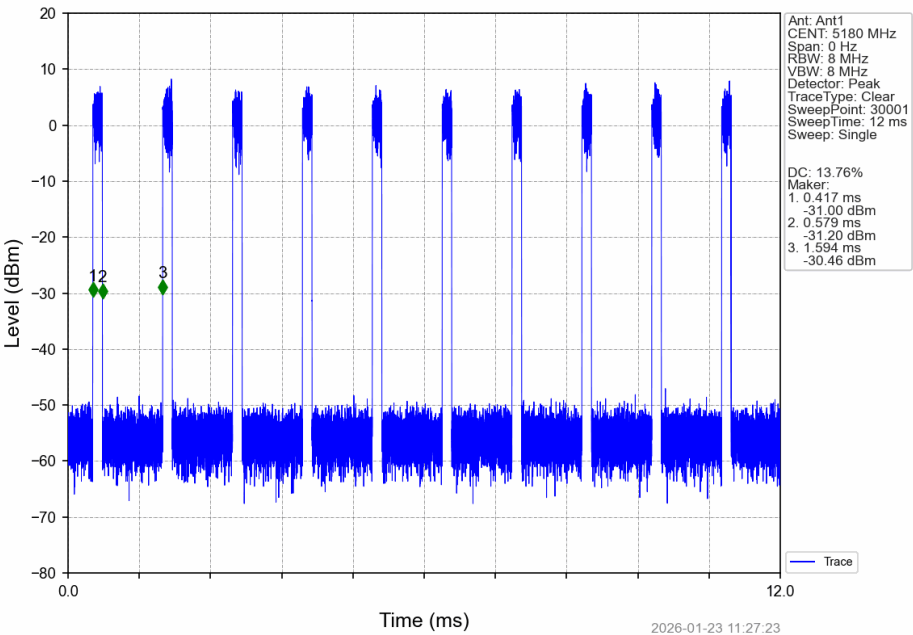
## 1.2.1 Ant1



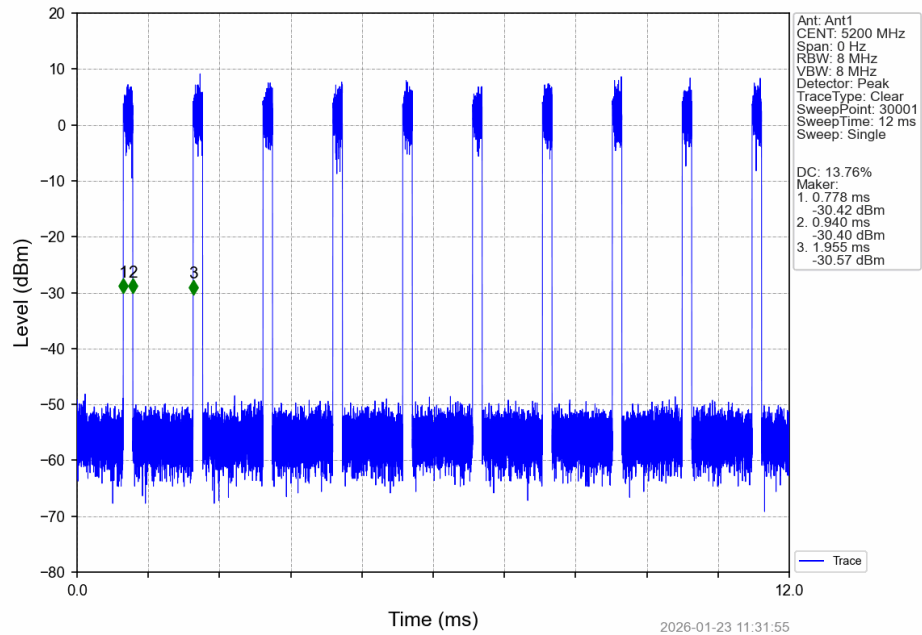
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



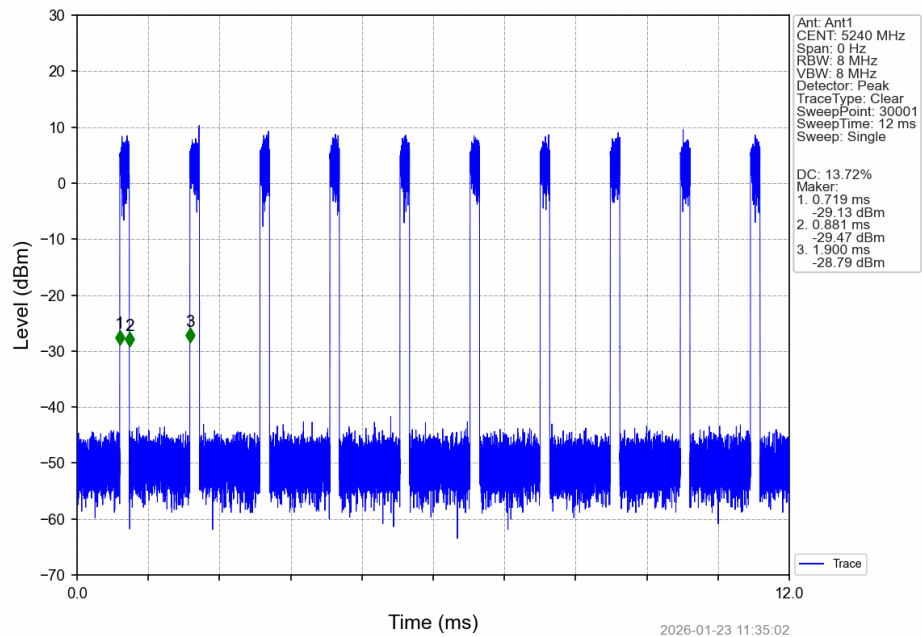
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



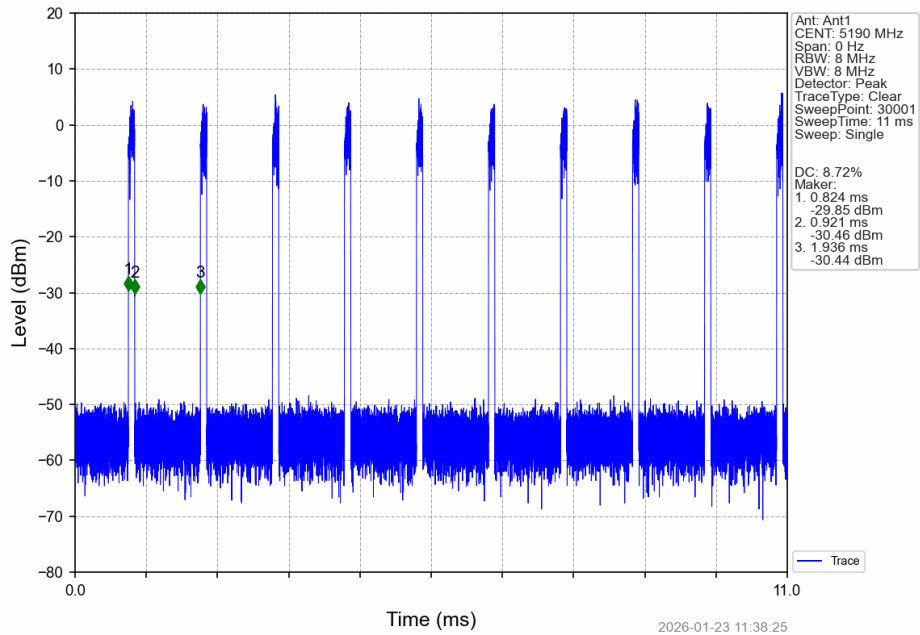
# 802.11n(HT20) MCH 5200MHz Ant1 NTN



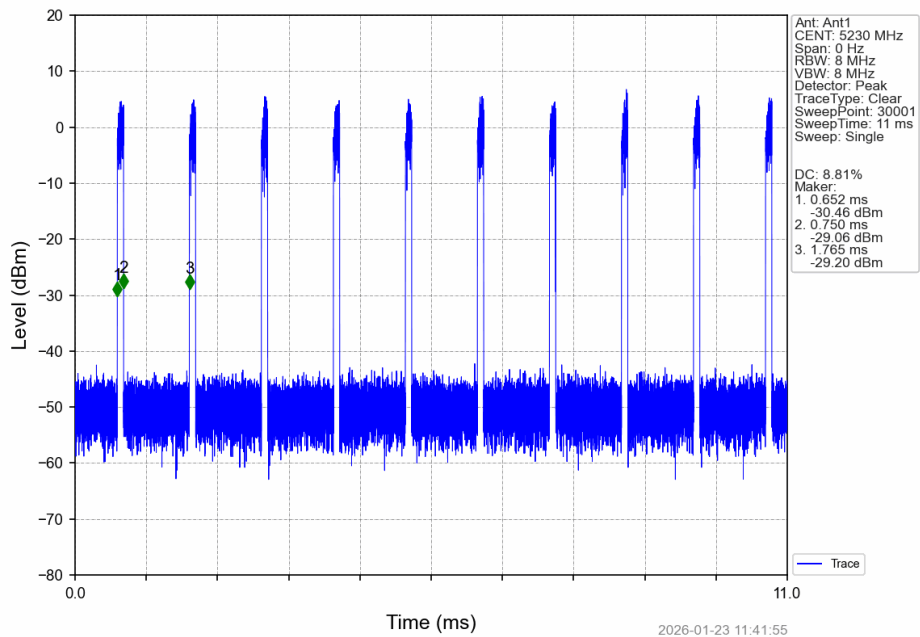
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTN



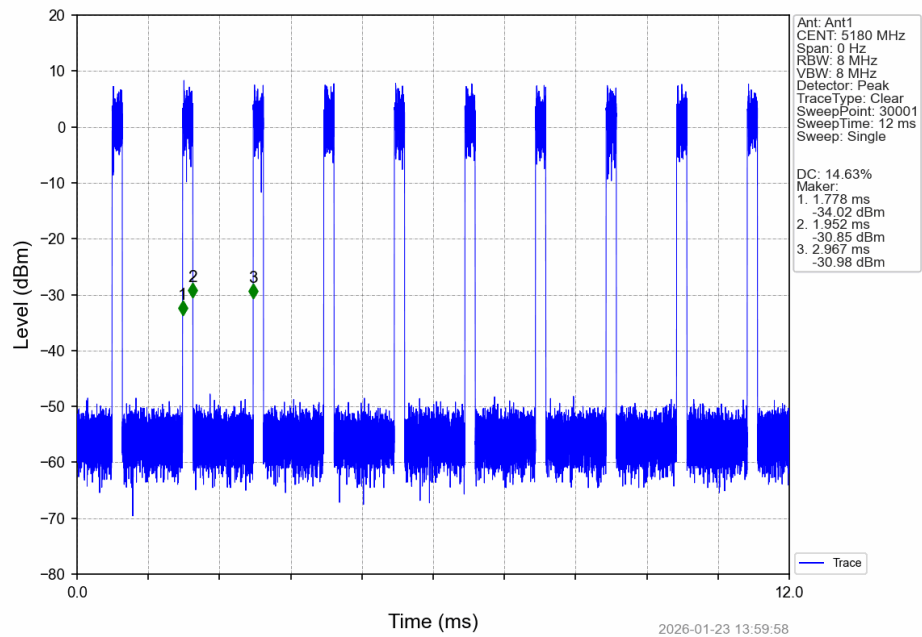
# 802.11n(HT40) LCH 5190MHz Ant1 NTN



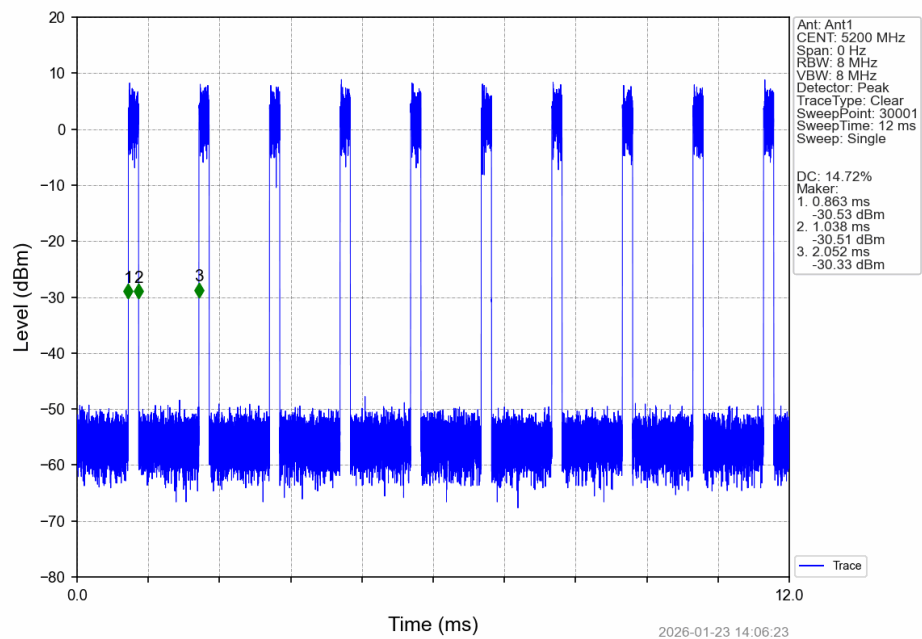
# 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTN



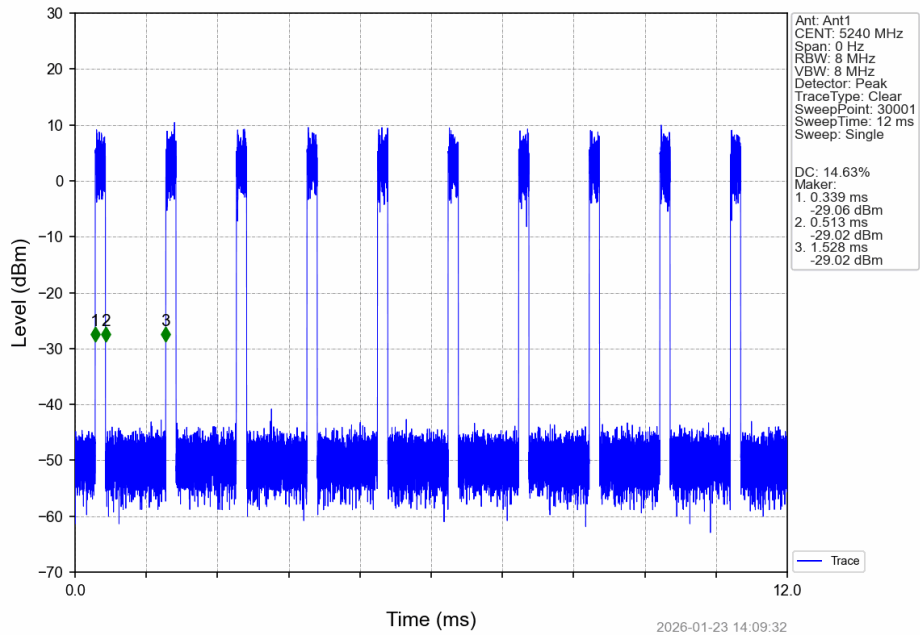
# 802.11ac(VHT20) LCH 5180MHz Ant1 NTN



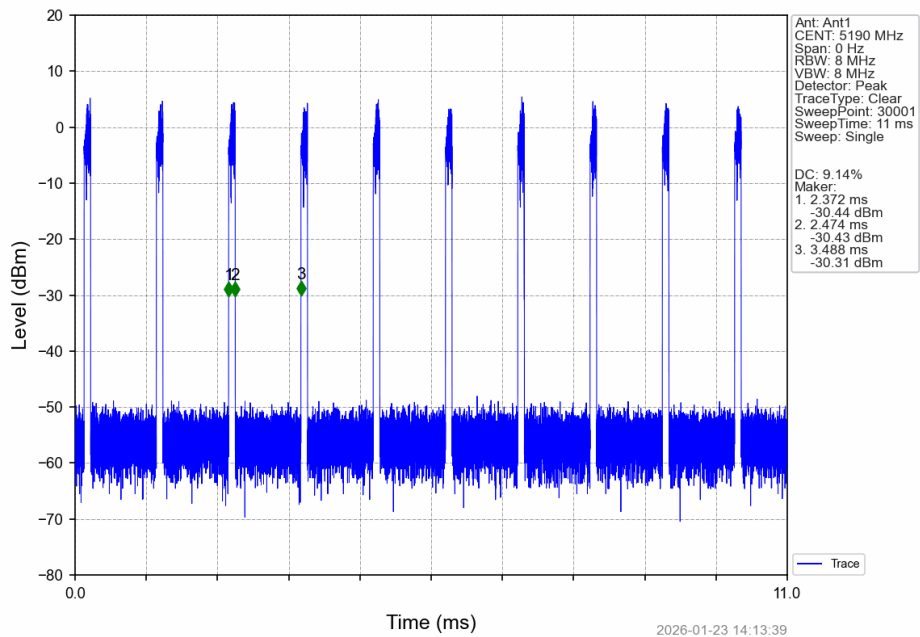
# 802.11ac(VHT20) MCH 5200MHz Ant1 NTN



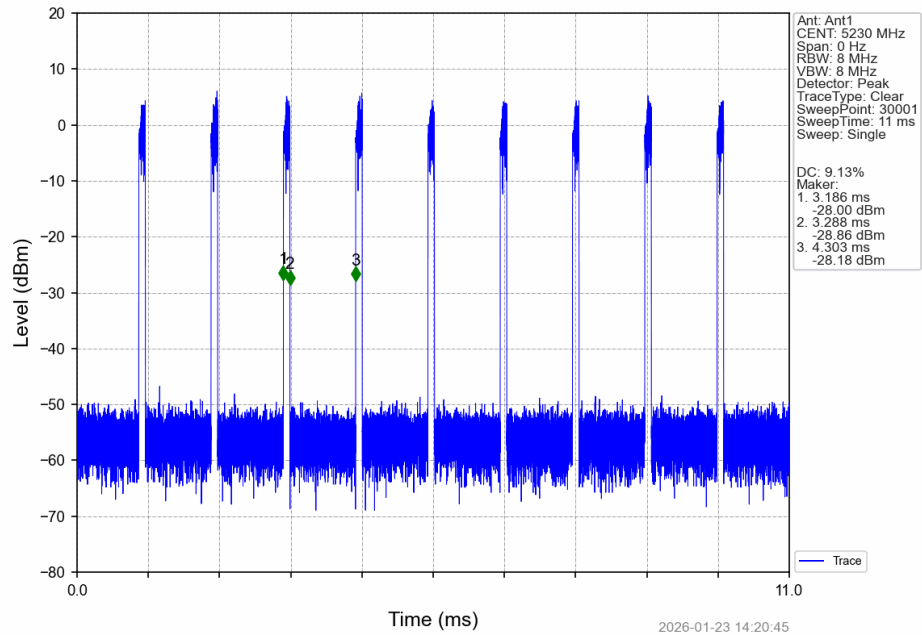
# 802.11ac(VHT20) HCH 5240MHz Ant1 NTN



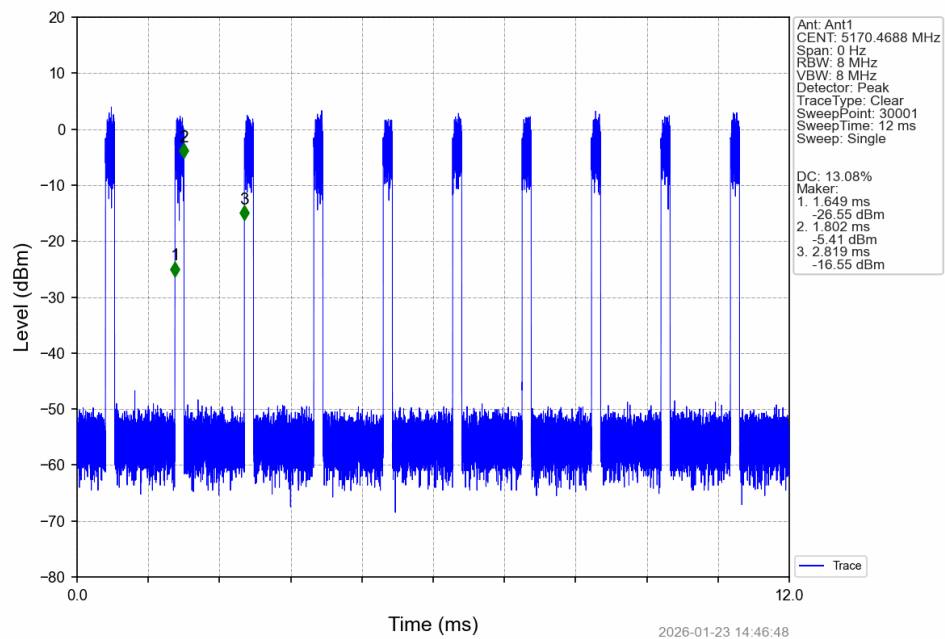
# 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTN



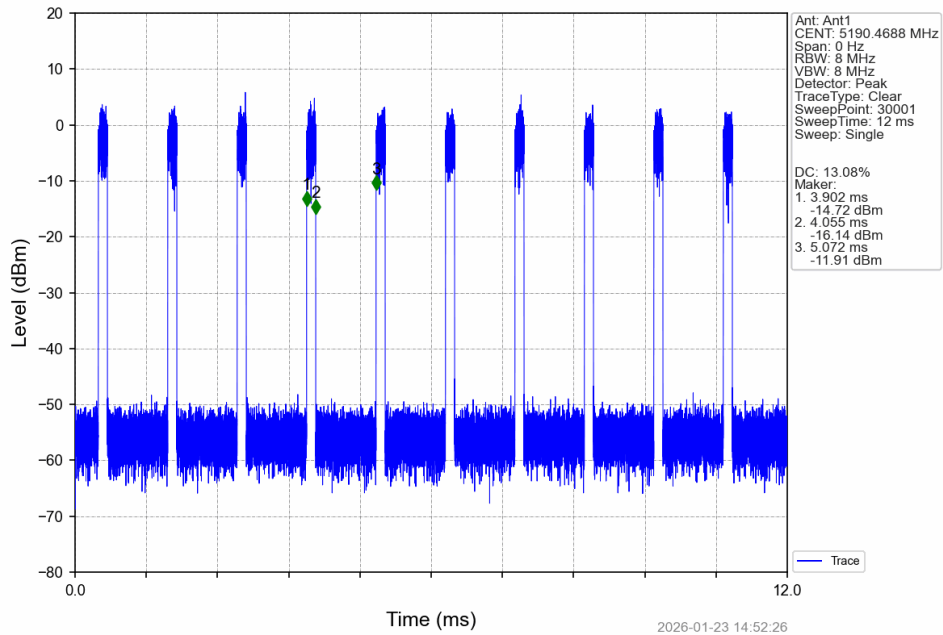
# 802.11ac(VHT40) HCH 5230MHz Ant1 NTN



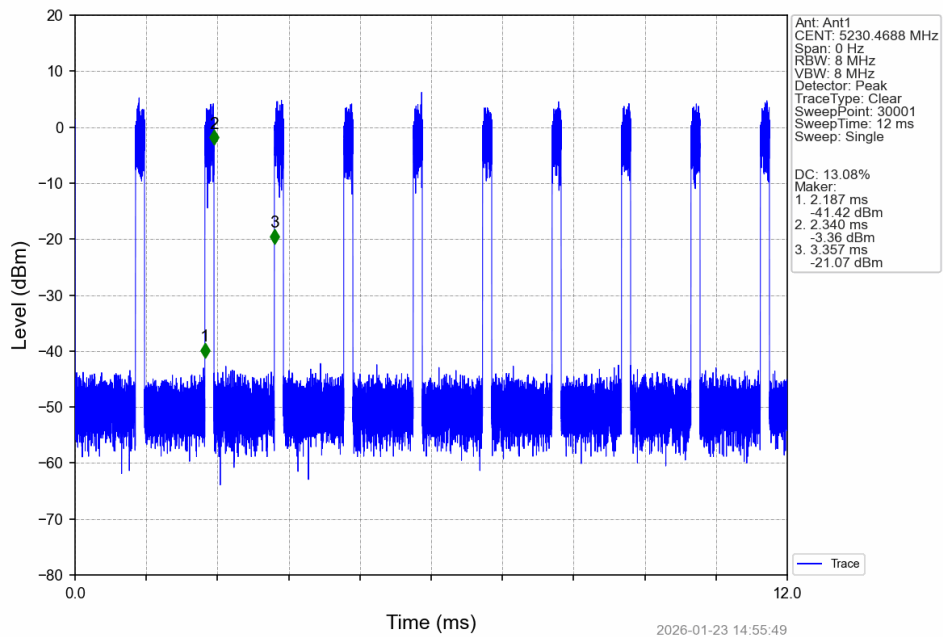
# 802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTN



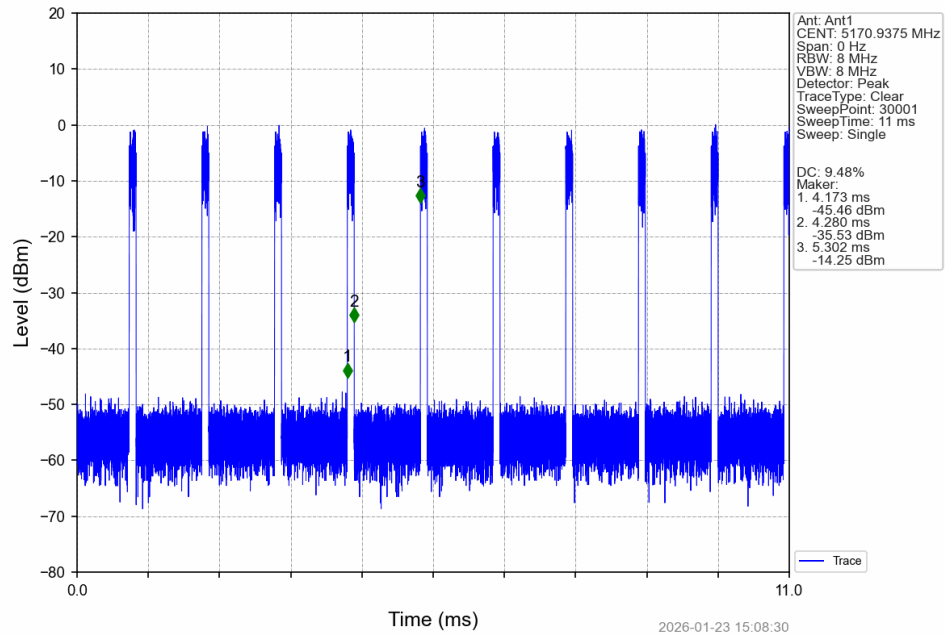
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



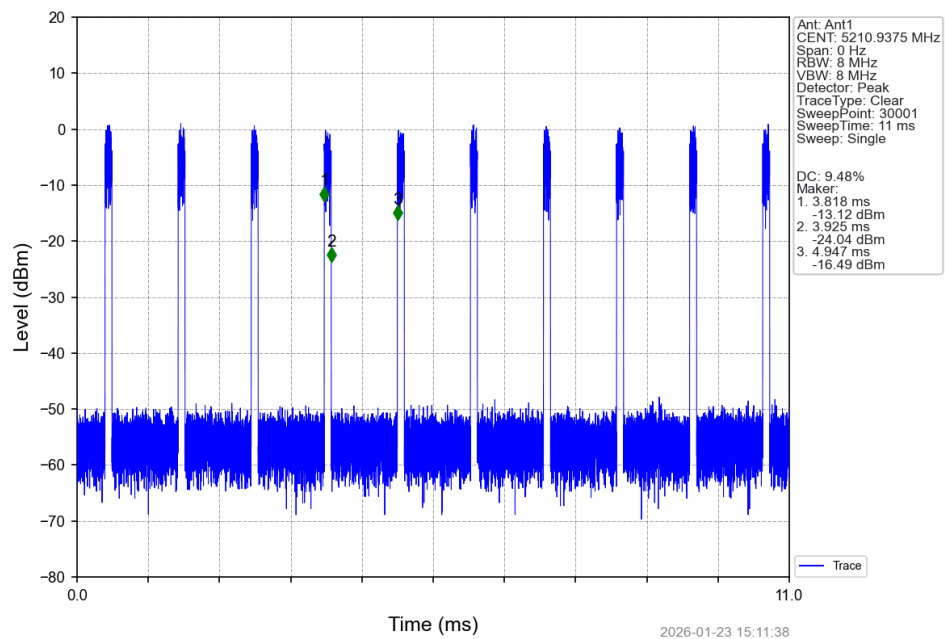
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



# 802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



# 802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

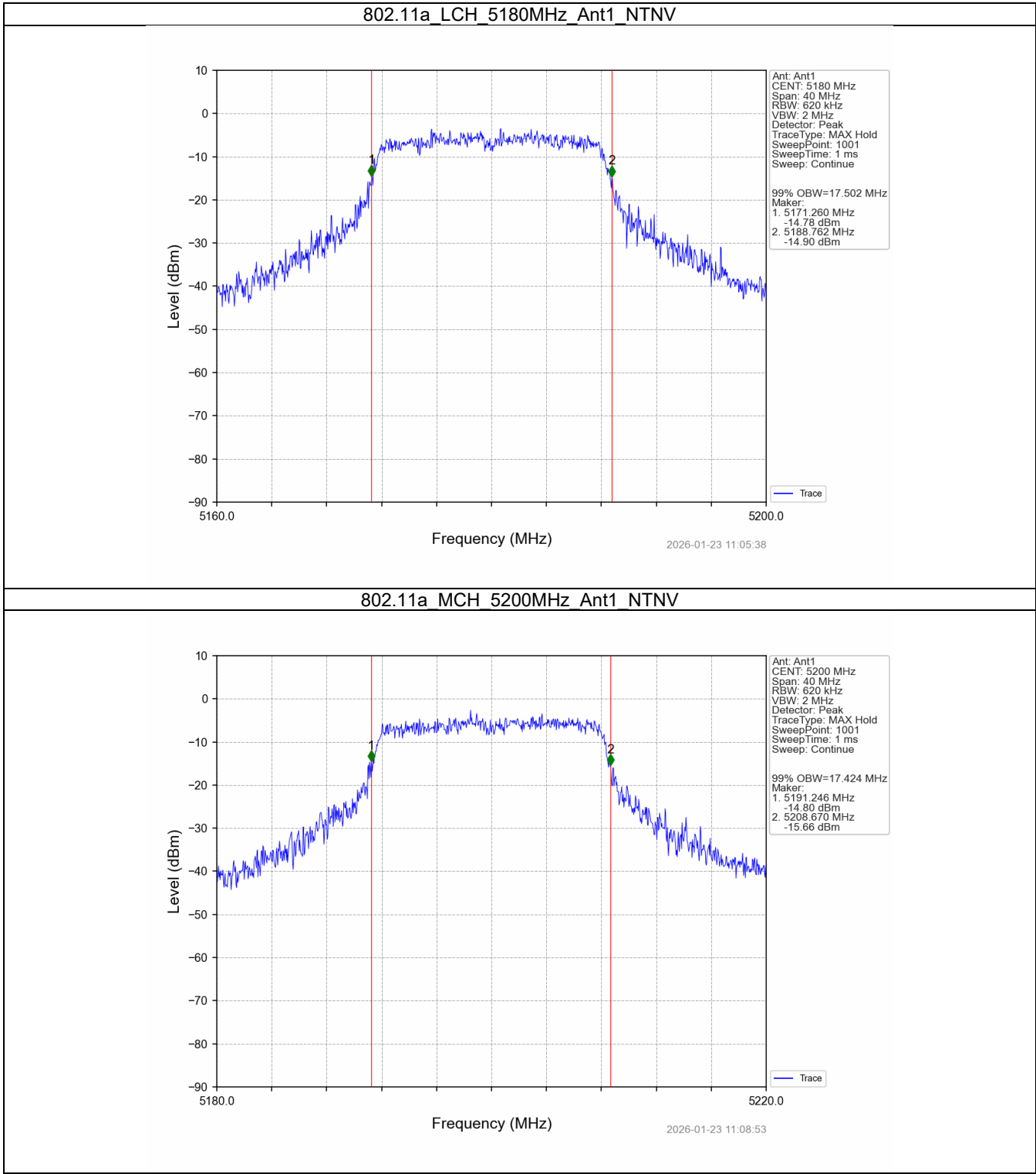
| Mode             | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-----|------------------------------|-------|---------|
|                  |         |                 |     | Result                       | Limit |         |
| 802.11a          | SISO    | 5180            | 1   | 17.502                       | /     | Pass    |
|                  |         | 5200            | 1   | 17.424                       | /     | Pass    |
|                  |         | 5240            | 1   | 17.351                       | /     | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1   | 18.390                       | /     | Pass    |
|                  |         | 5200            | 1   | 18.354                       | /     | Pass    |
|                  |         | 5240            | 1   | 18.560                       | /     | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1   | 37.098                       | /     | Pass    |
|                  |         | 5230            | 1   | 36.904                       | /     | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1   | 18.553                       | /     | Pass    |
|                  |         | 5200            | 1   | 18.447                       | /     | Pass    |
|                  |         | 5240            | 1   | 18.521                       | /     | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1   | 37.030                       | /     | Pass    |
|                  |         | 5230            | 1   | 37.017                       | /     | Pass    |
| 802.11ax (HEW20) | SISO    | 5180            | 1   | 19.380                       | /     | Pass    |
|                  |         | 5200            | 1   | 19.403                       | /     | Pass    |
|                  |         | 5240            | 1   | 19.344                       | /     | Pass    |
| 802.11ax (HEW40) | SISO    | 5190            | 1   | 38.450                       | /     | Pass    |
|                  |         | 5230            | 1   | 38.330                       | /     | Pass    |

#### 2.1.2 26dB BW

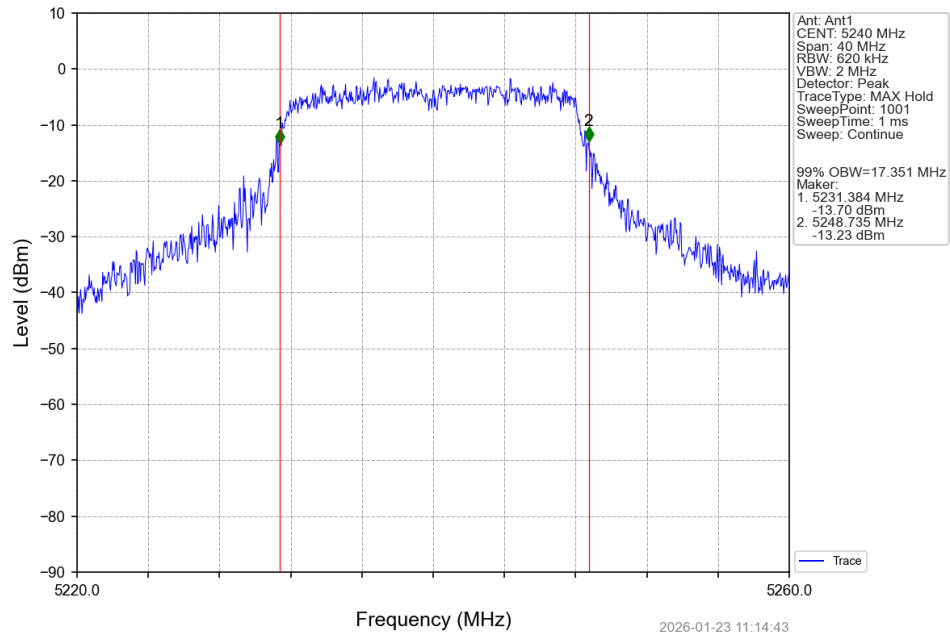
| Mode             | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-----|----------------------|-------|---------|
|                  |         |                 |     | Result               | Limit |         |
| 802.11a          | SISO    | 5180            | 1   | 26.081               | /     | Pass    |
|                  |         | 5200            | 1   | 26.191               | /     | Pass    |
|                  |         | 5240            | 1   | 24.210               | /     | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1   | 25.021               | /     | Pass    |
|                  |         | 5200            | 1   | 27.129               | /     | Pass    |
|                  |         | 5240            | 1   | 27.036               | /     | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1   | 46.007               | /     | Pass    |
|                  |         | 5230            | 1   | 46.843               | /     | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1   | 27.341               | /     | Pass    |
|                  |         | 5200            | 1   | 26.097               | /     | Pass    |
|                  |         | 5240            | 1   | 26.010               | /     | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1   | 48.487               | /     | Pass    |
|                  |         | 5230            | 1   | 46.983               | /     | Pass    |
| 802.11ax (HEW20) | SISO    | 5180            | 1   | 29.246               | /     | Pass    |
|                  |         | 5200            | 1   | 30.615               | /     | Pass    |
|                  |         | 5240            | 1   | 30.628               | /     | Pass    |
| 802.11ax (HEW40) | SISO    | 5190            | 1   | 44.886               | /     | Pass    |
|                  |         | 5230            | 1   | 45.000               | /     | Pass    |

2.2 Test Graph

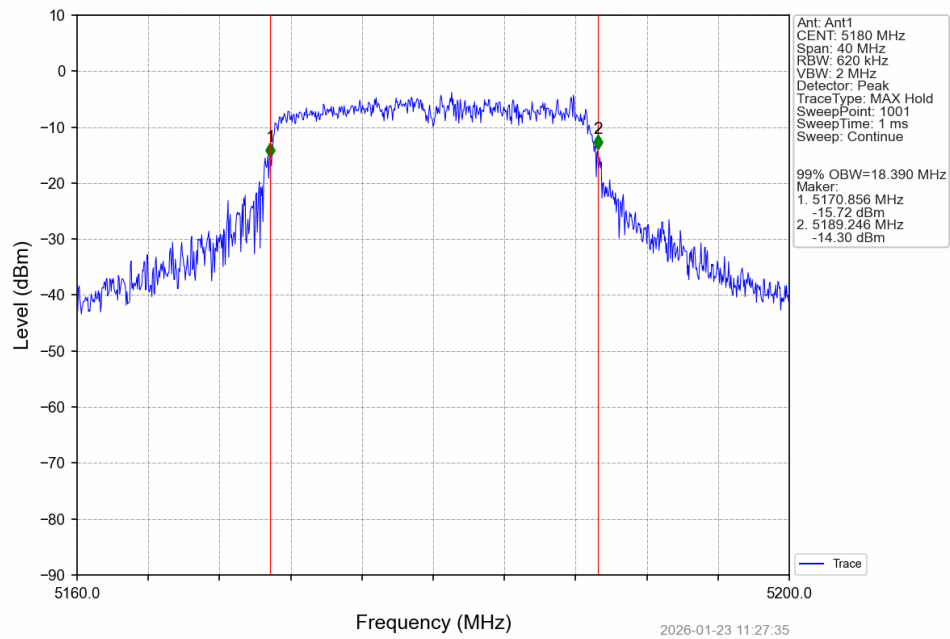
2.2.1 OBW



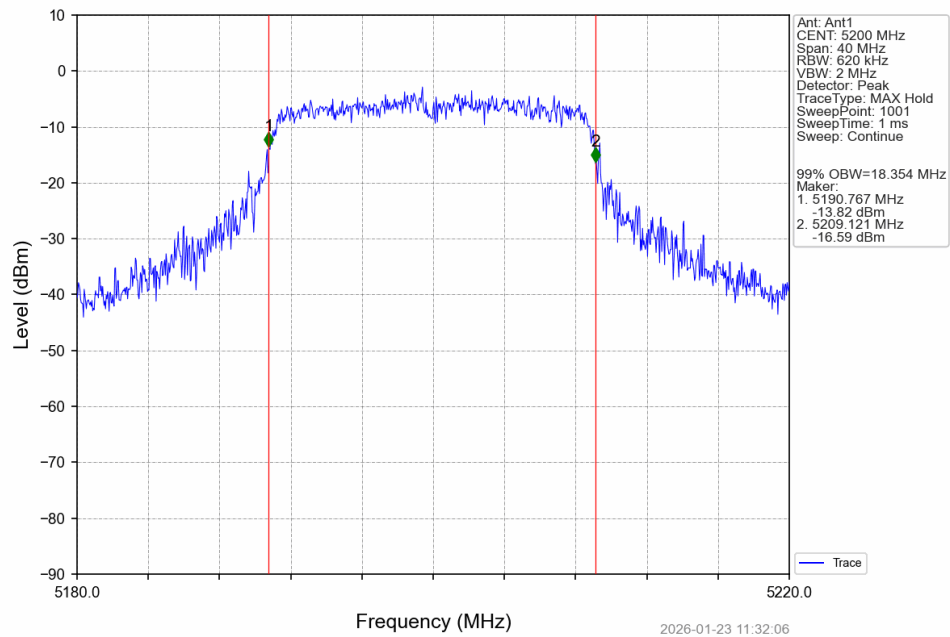
### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



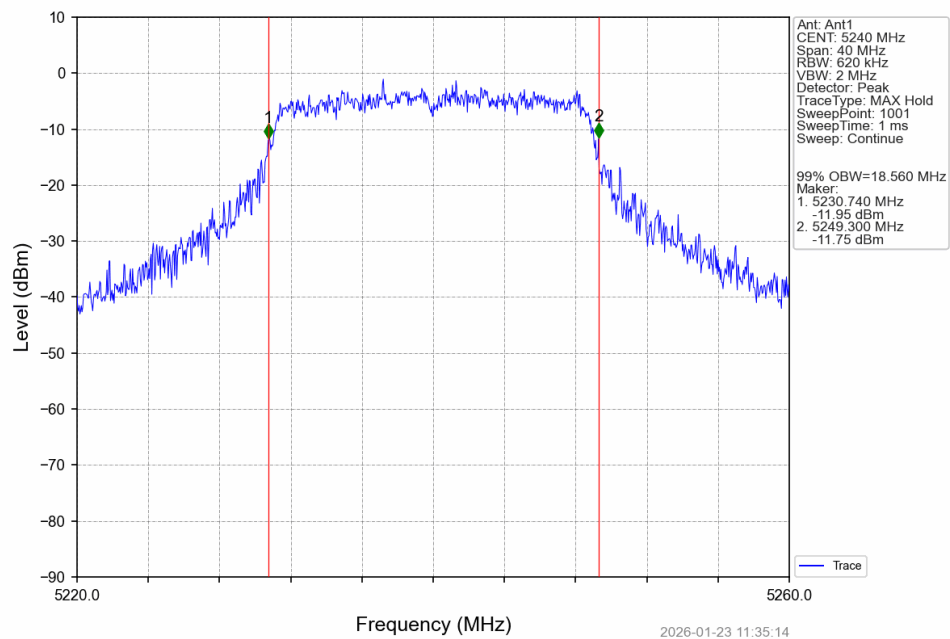
### 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



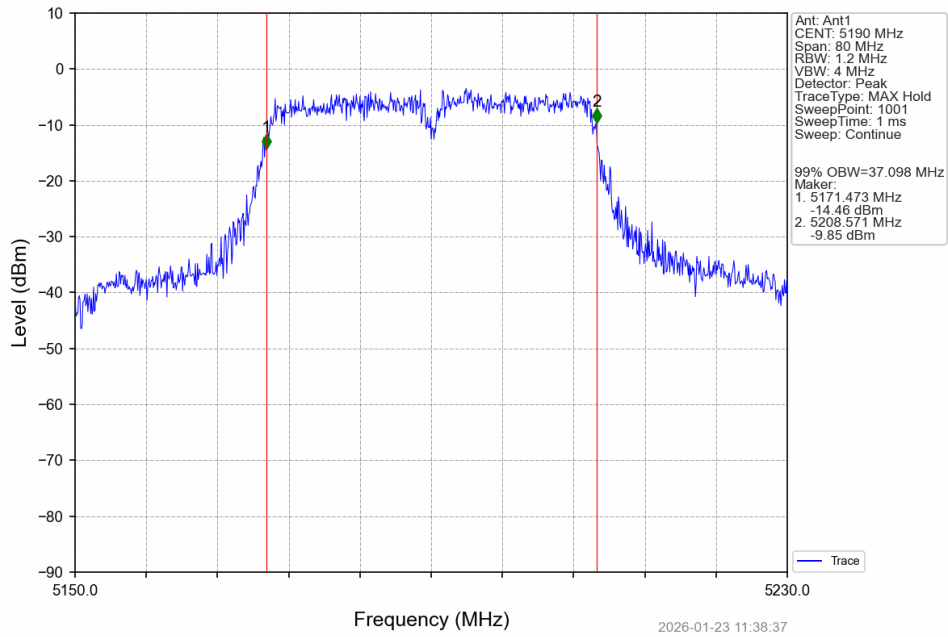
# 802.11n(HT20) MCH 5200MHz Ant1 NTN



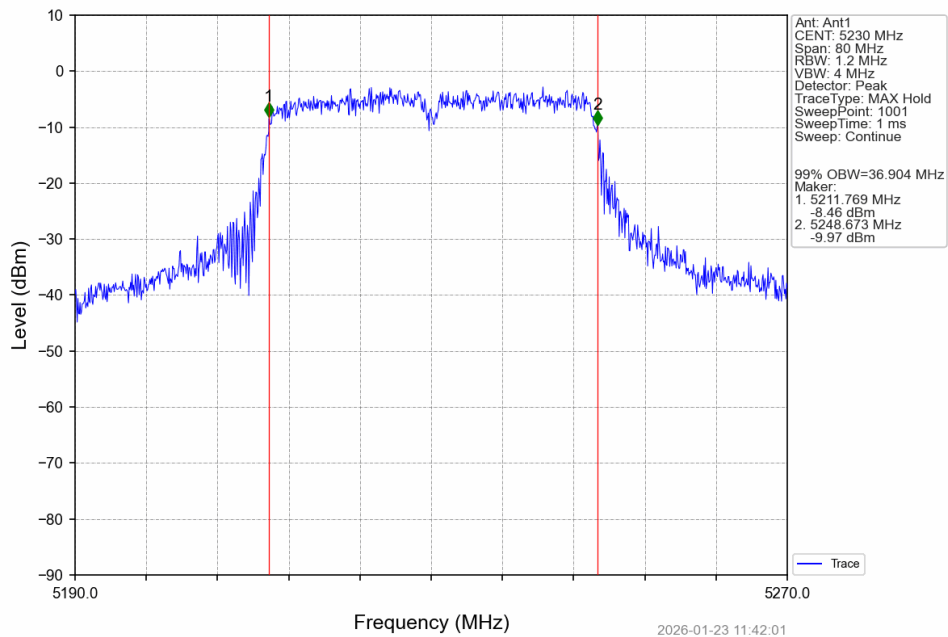
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTN



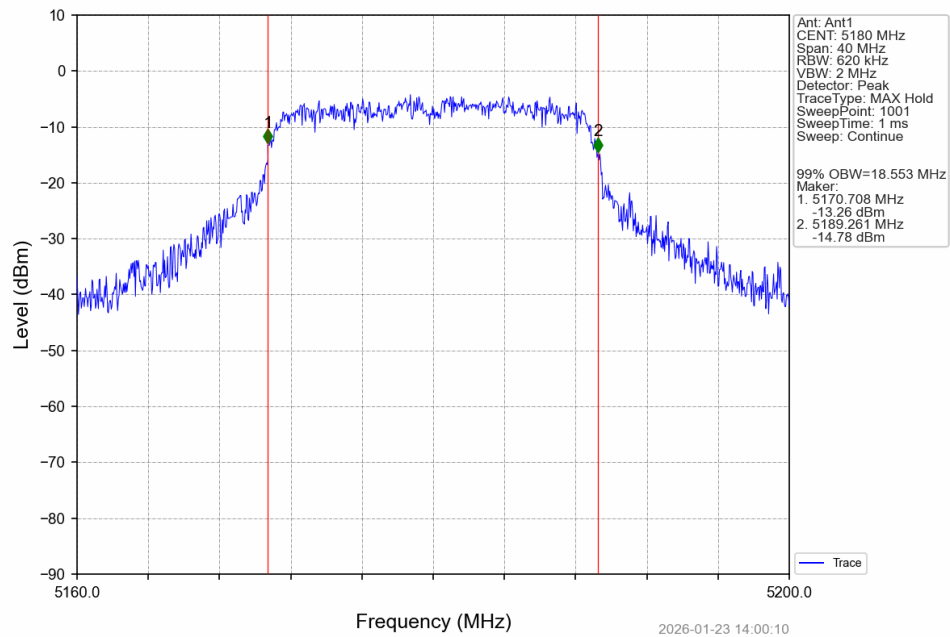
# 802.11n(HT40) LCH 5190MHz Ant1 NTN



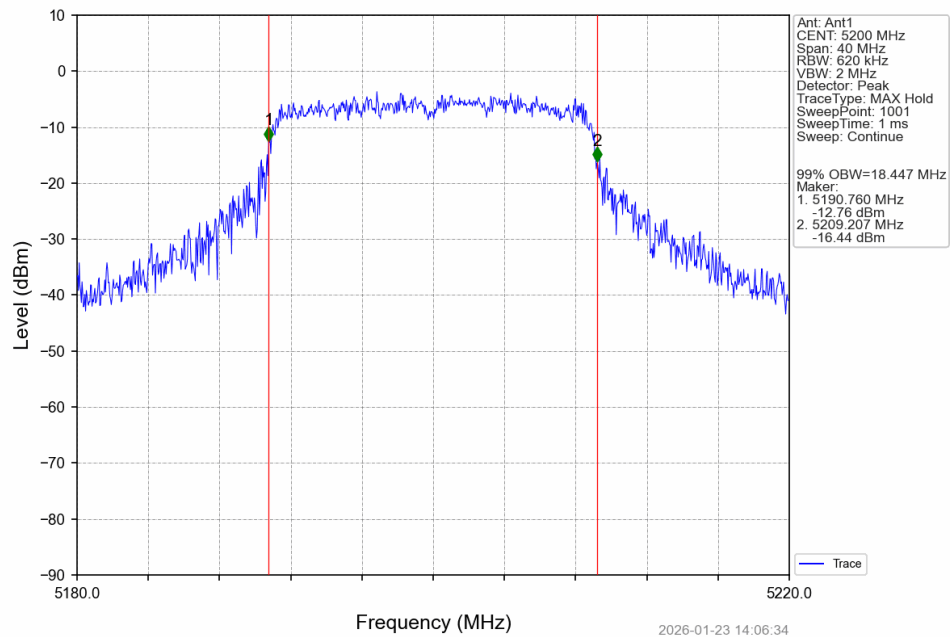
# 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTN



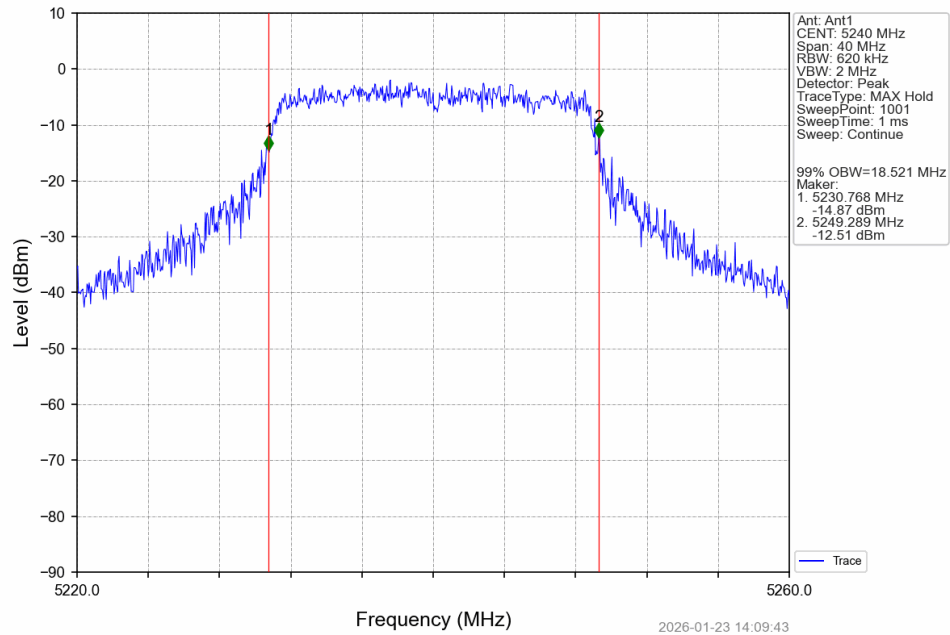
# 802.11ac(VHT20) LCH 5180MHz Ant1 NTN



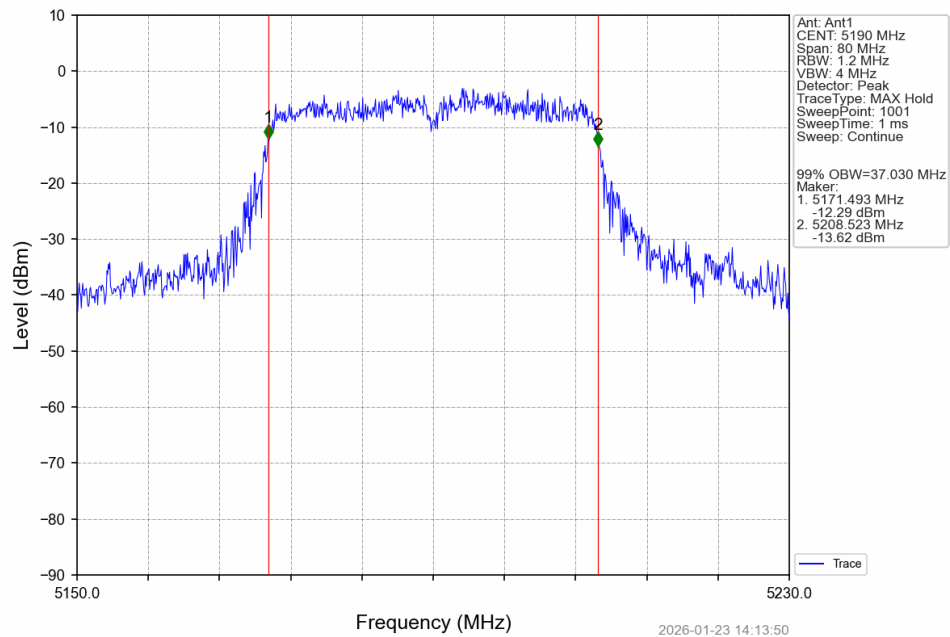
# 802.11ac(VHT20) MCH 5200MHz Ant1 NTN



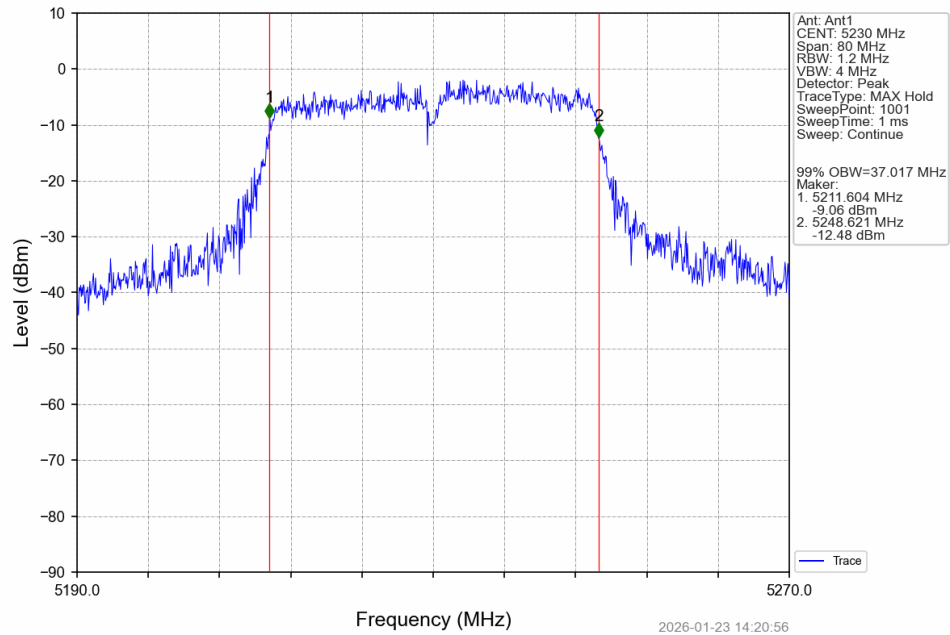
# 802.11ac(VHT20) HCH 5240MHz Ant1 NTN



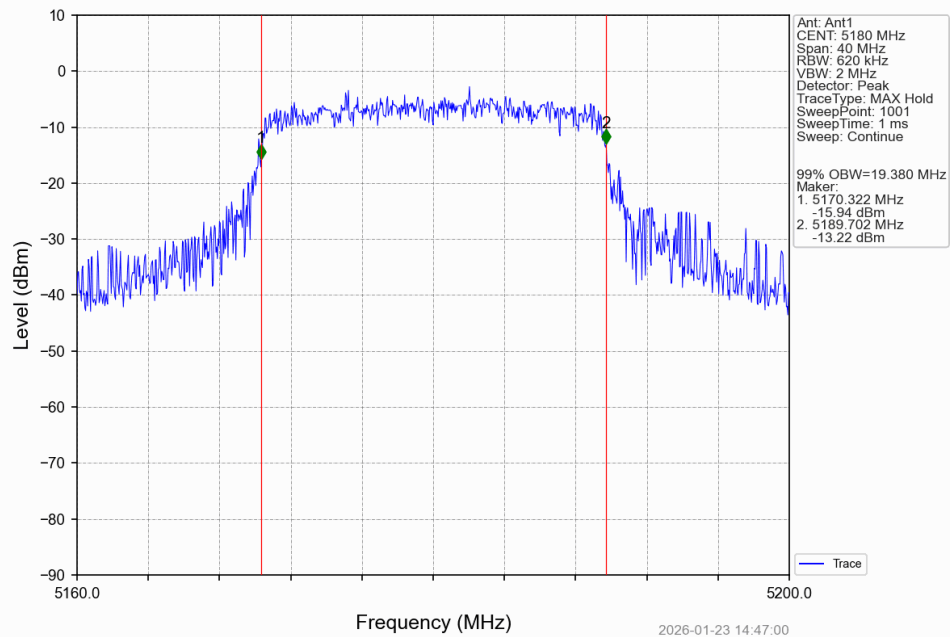
# 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTN



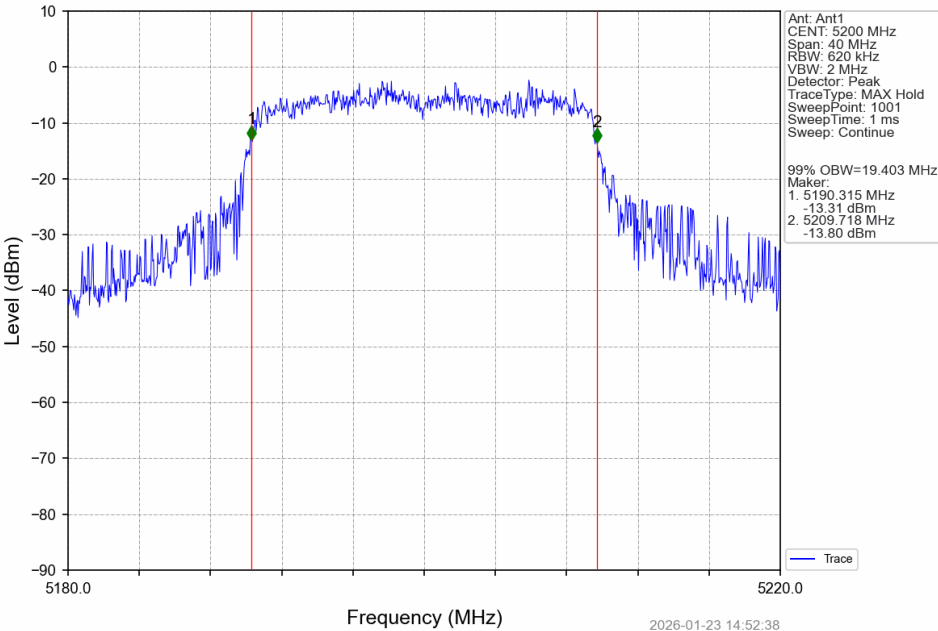
# 802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



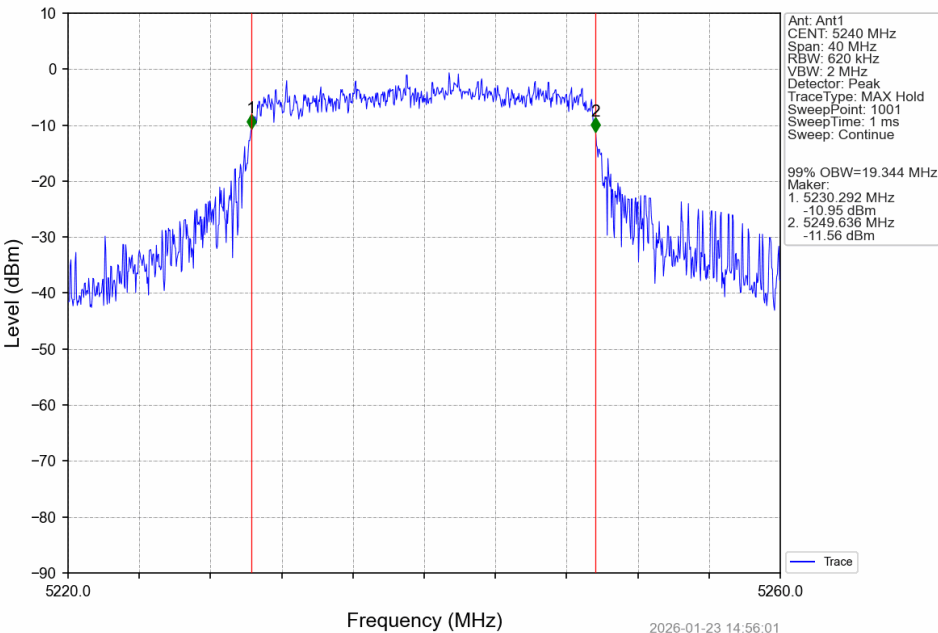
# 802.11ax(HEW20) LCH 5180MHz\_SU / Ant1 NTNV



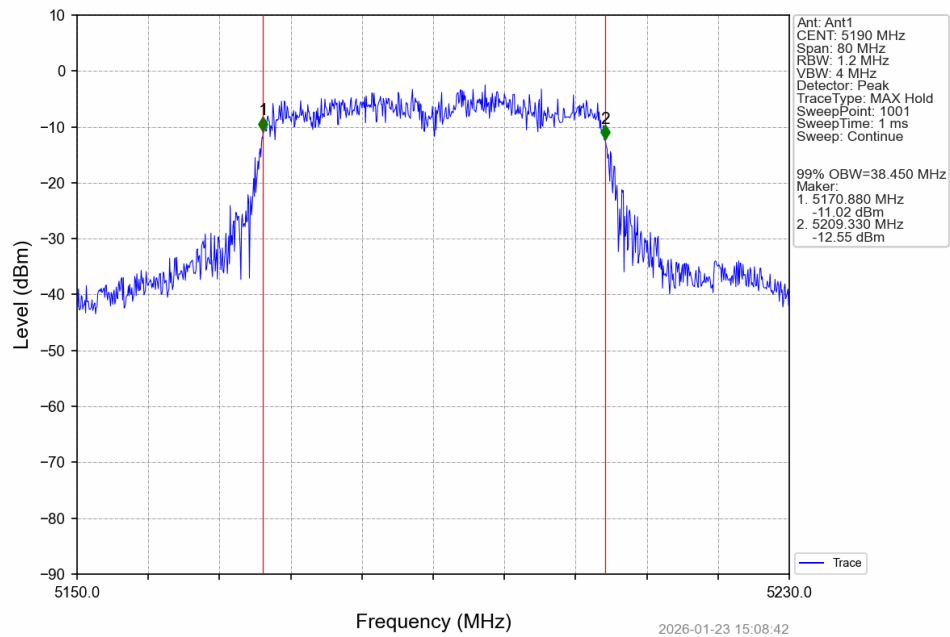
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



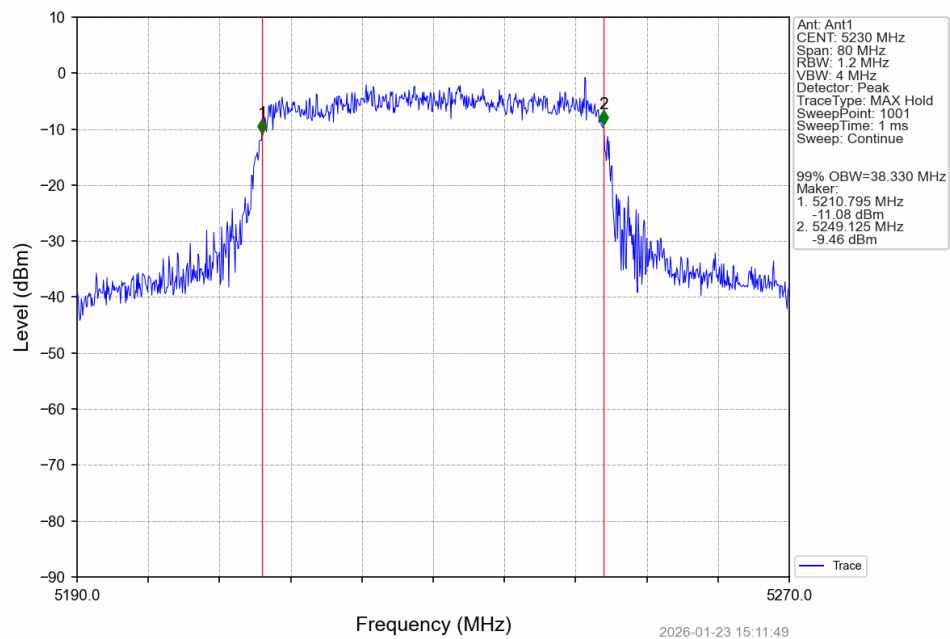
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



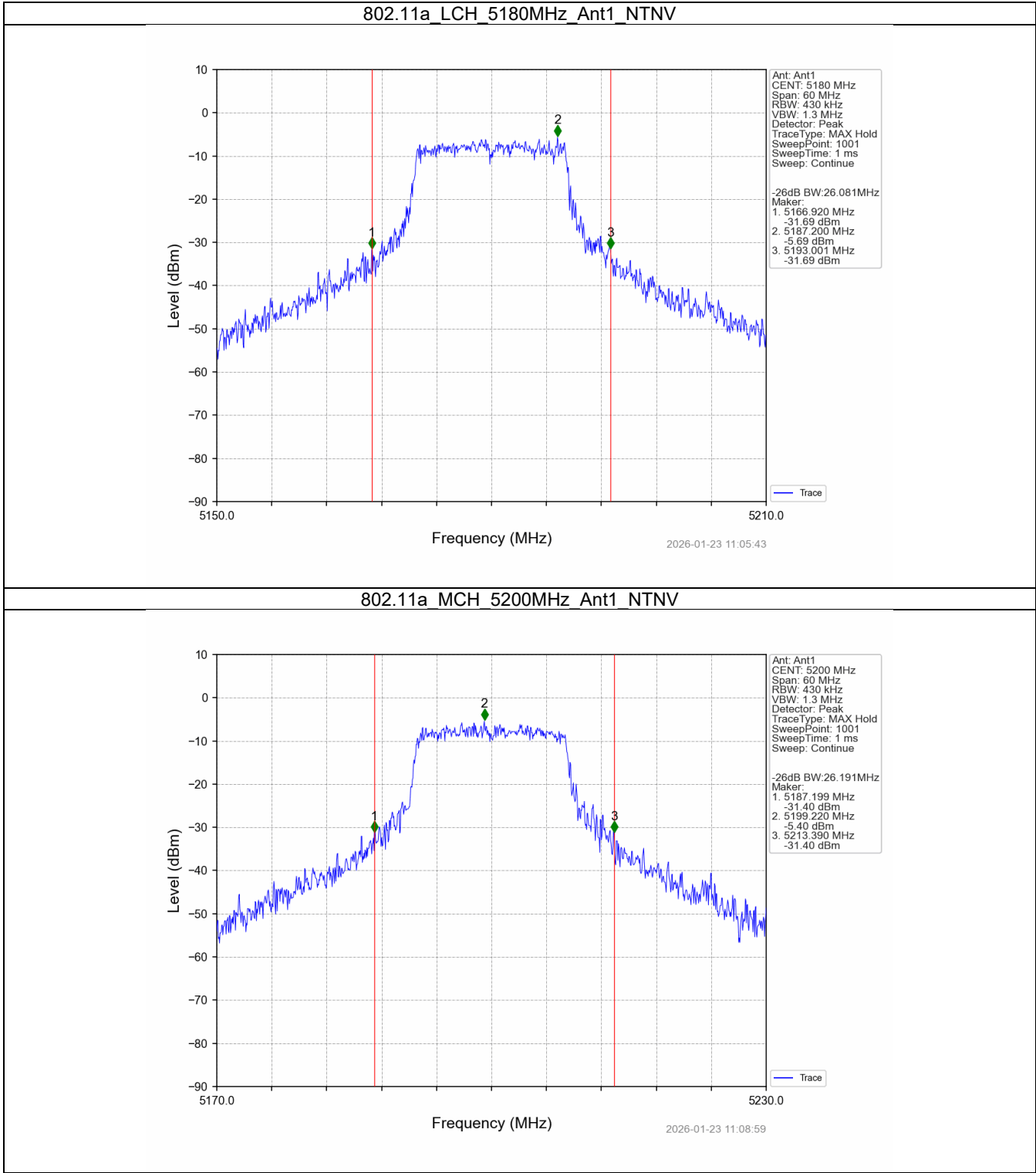
# 802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



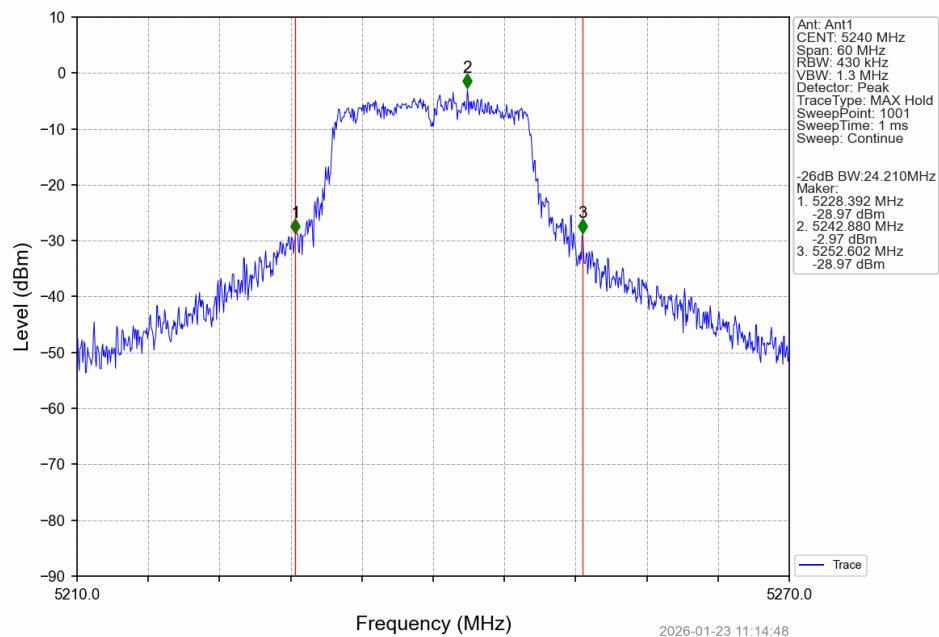
# 802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



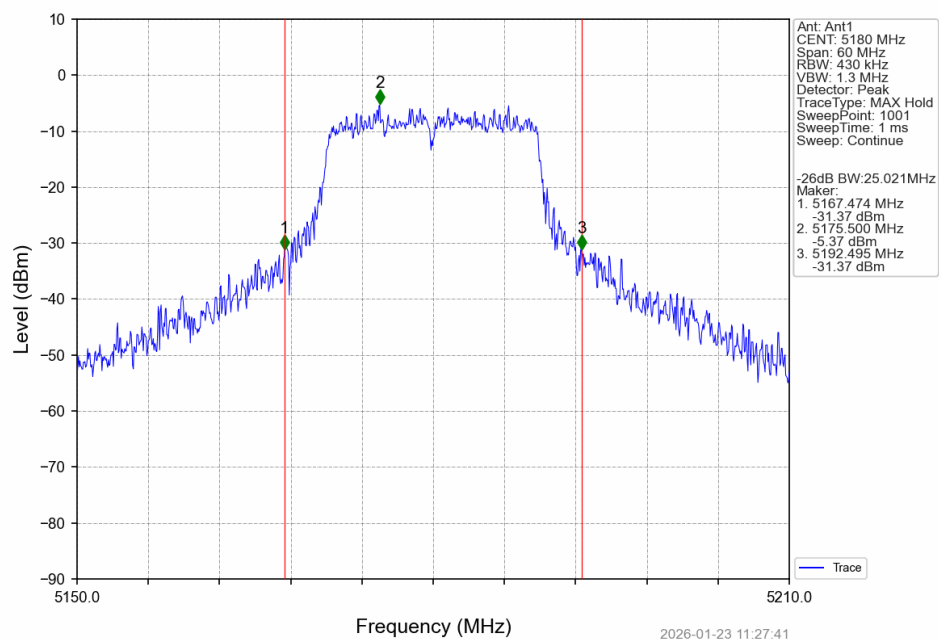
2.2.2 26dB BW



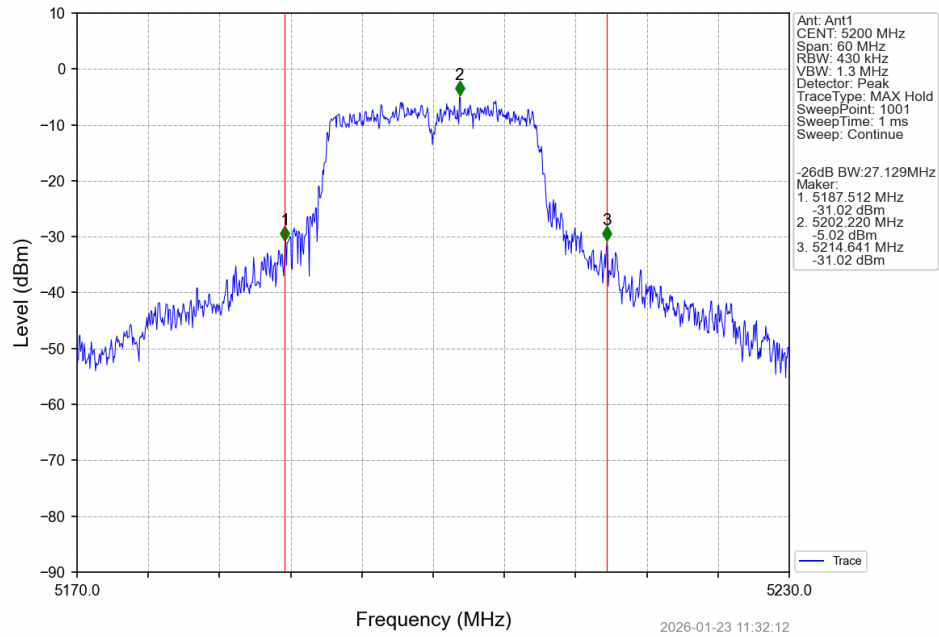
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



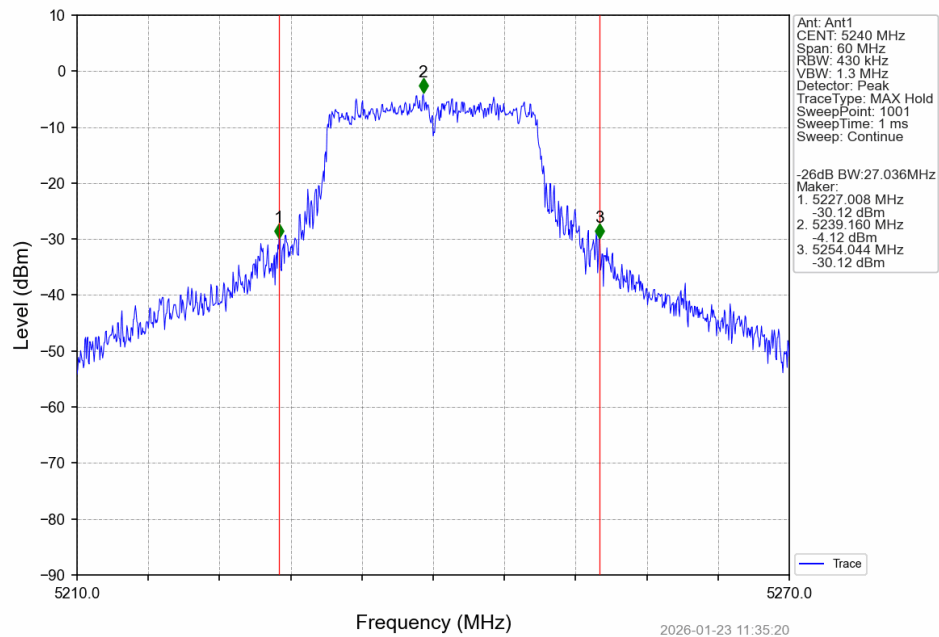
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



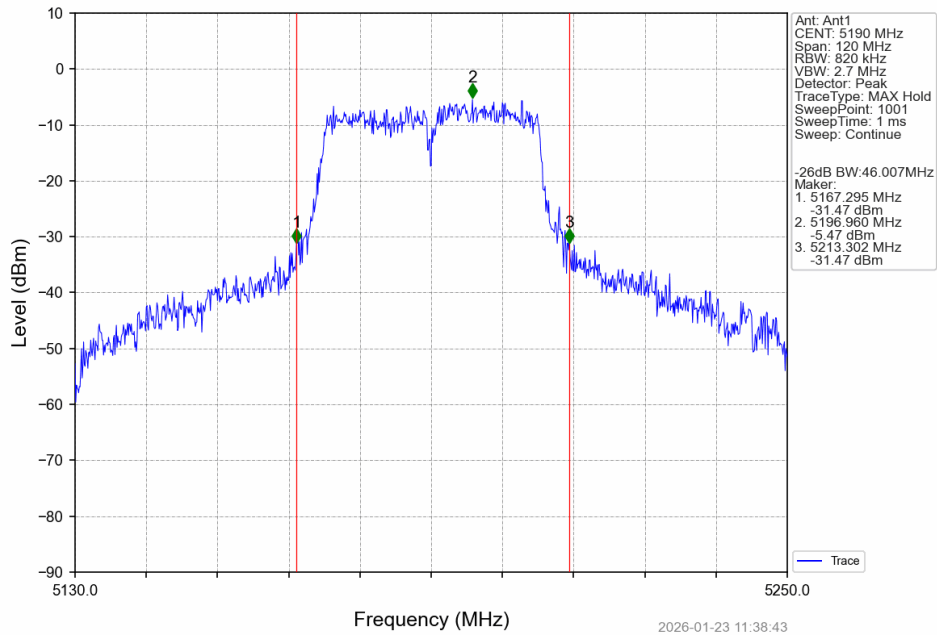
# 802.11n(HT20) MCH 5200MHz Ant1 NTN



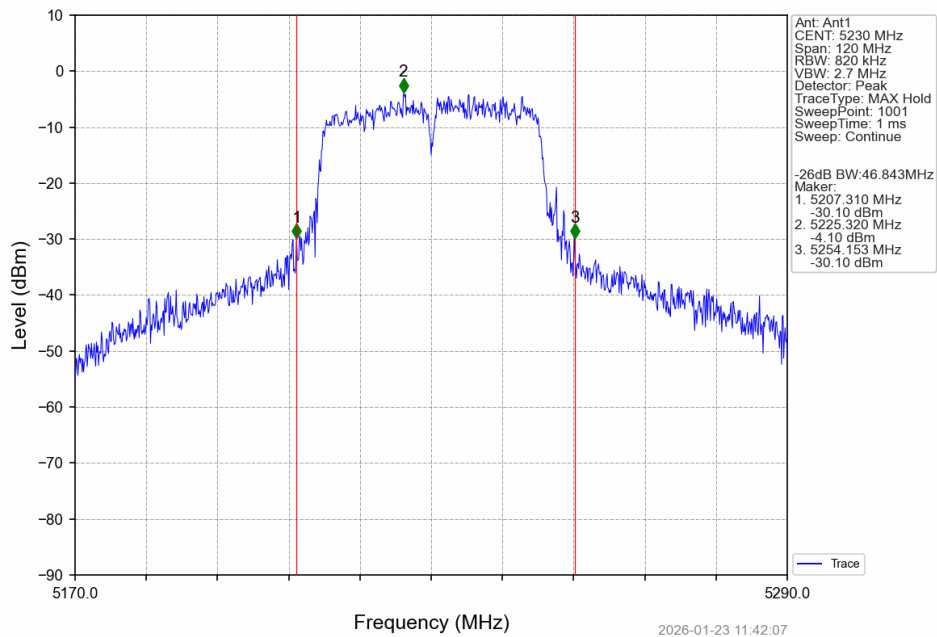
# 802.11n(HT20)\_HCH 5240MHz Ant1 NTN



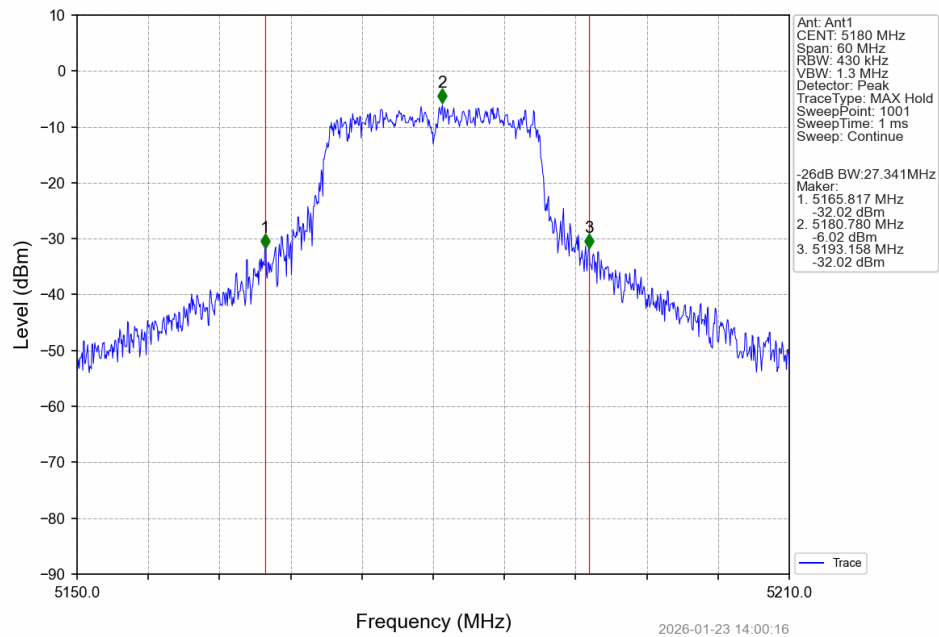
# 802.11n(HT40) LCH 5190MHz Ant1 NTN



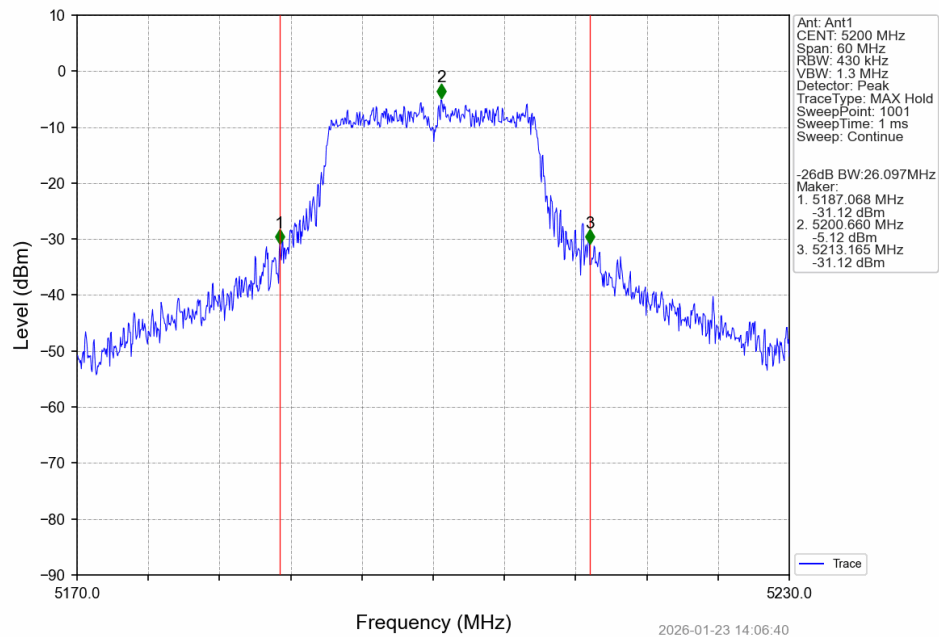
# 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTN



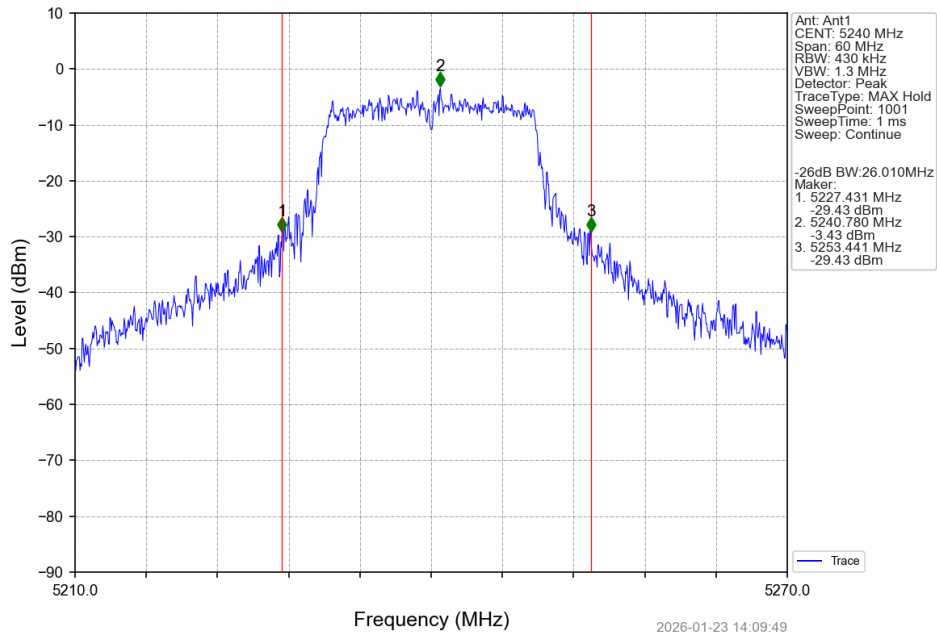
# 802.11ac(VHT20) LCH 5180MHz Ant1 NTN



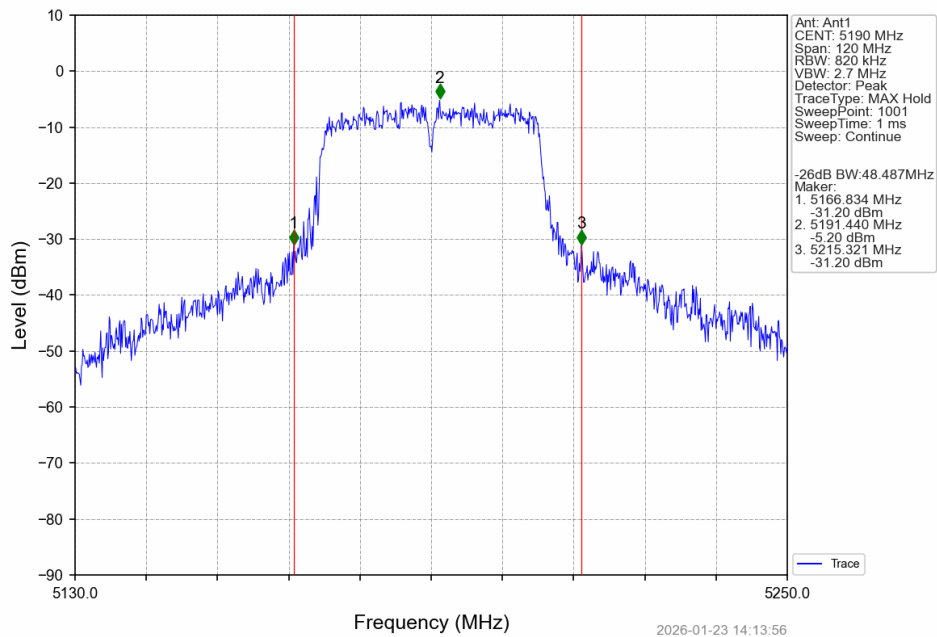
# 802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTN



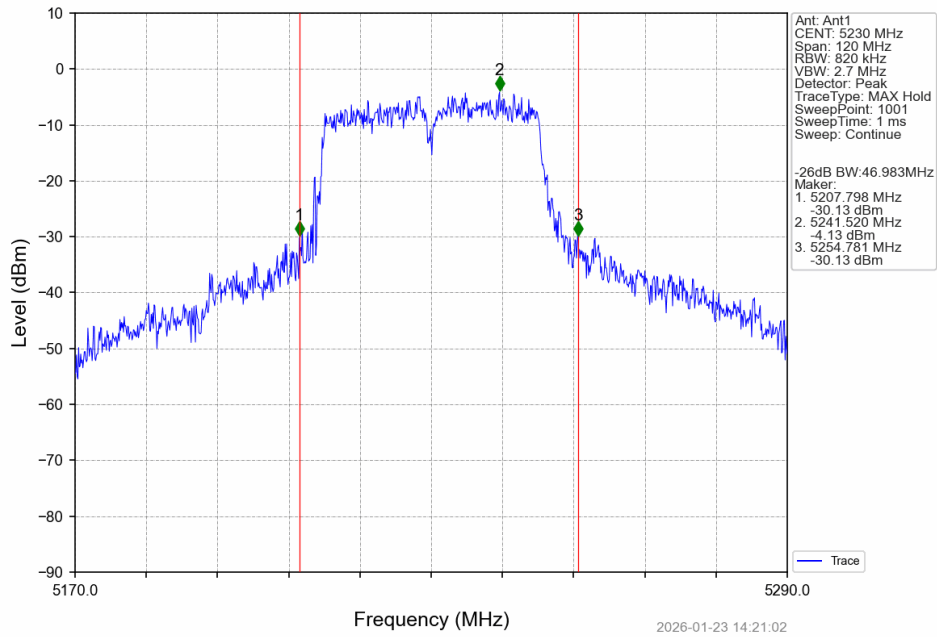
# 802.11ac(VHT20) HCH 5240MHz Ant1 NTN



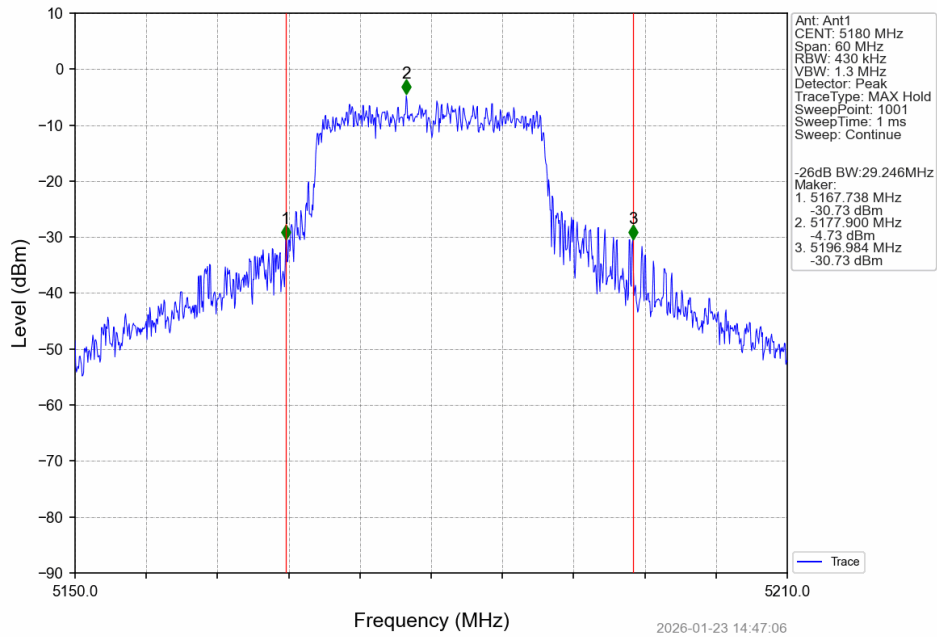
# 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTN



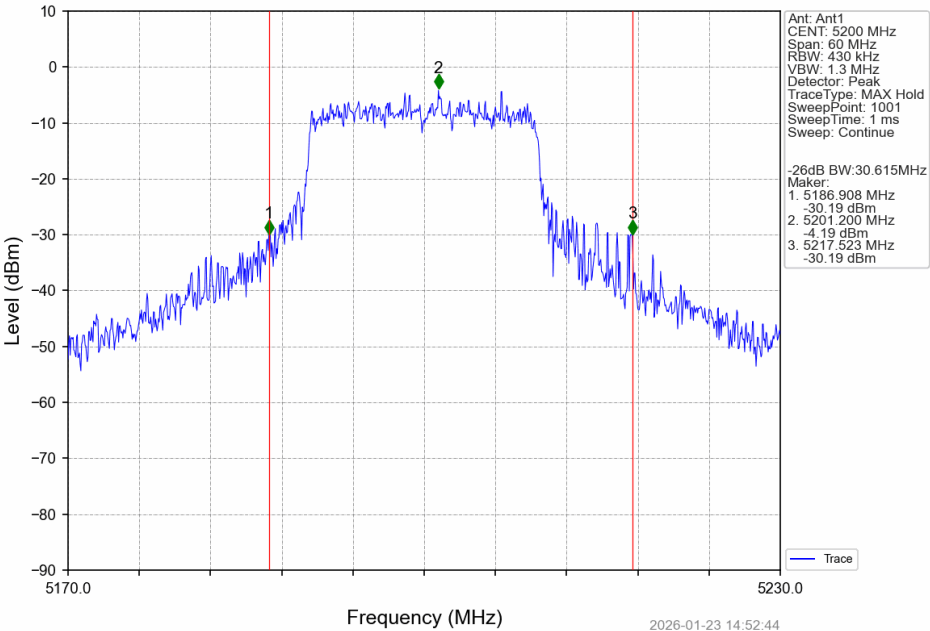
# 802.11ac(VHT40) HCH 5230MHz Ant1 NTN



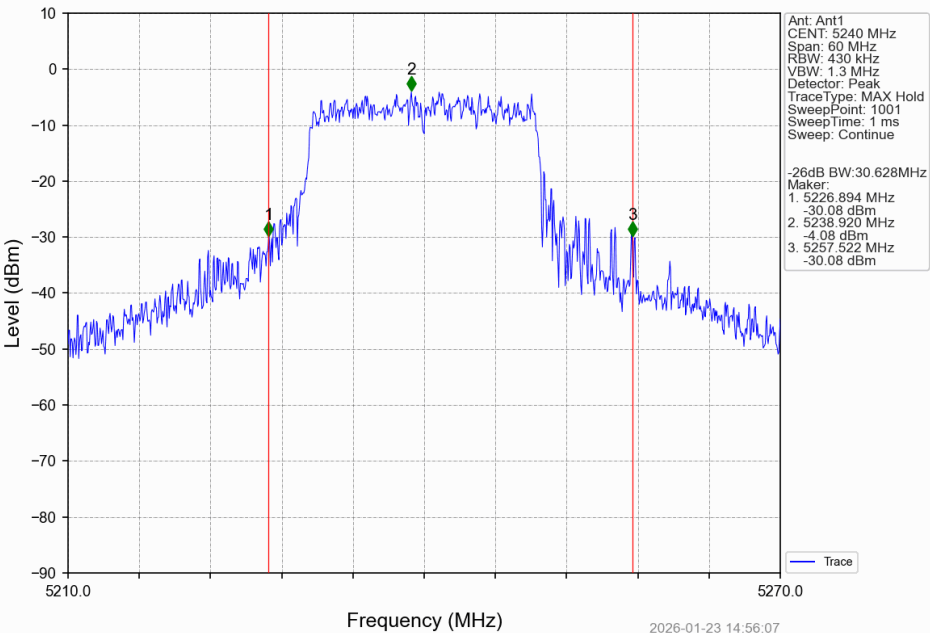
# 802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTN



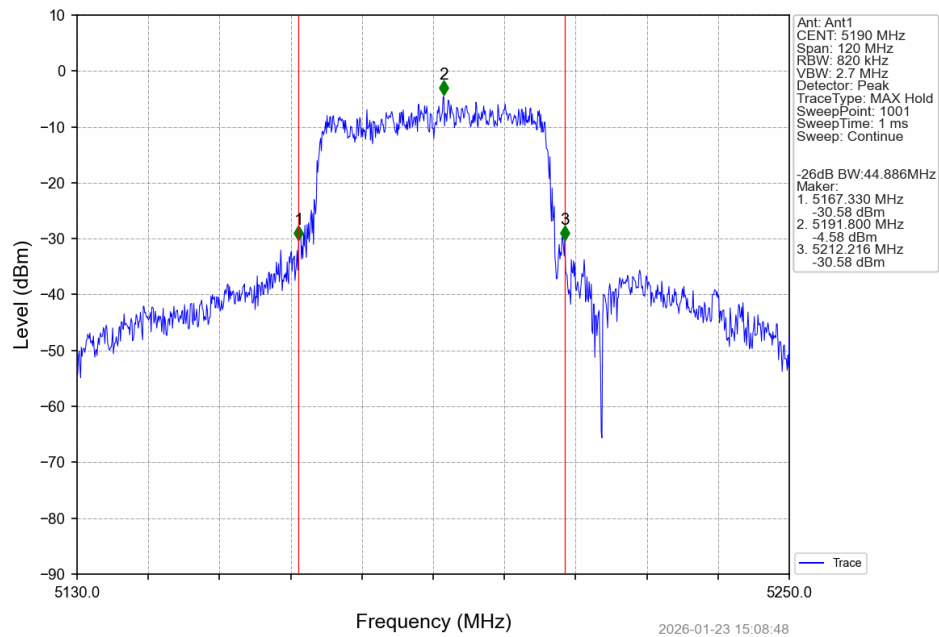
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



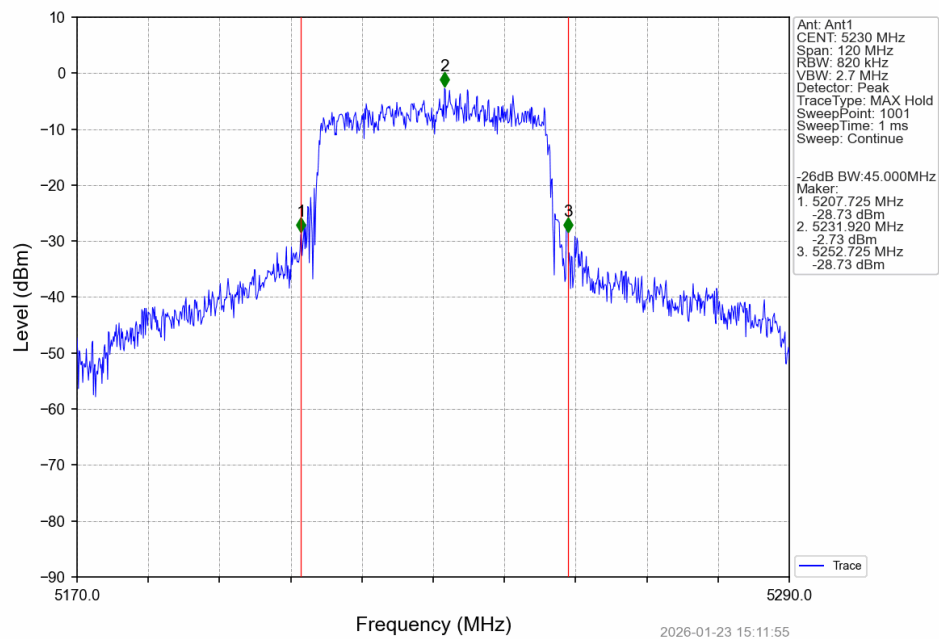
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



# 802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



# 802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

| Mode             | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) |         | Verdict |
|------------------|---------|-----------------|----------------------------------------------|---------|---------|
|                  |         |                 | ANT1                                         | Limit   |         |
| 802.11a          | SISO    | 5180            | 1.74                                         | <=23.98 | Pass    |
|                  |         | 5200            | 2.78                                         | <=23.98 | Pass    |
|                  |         | 5240            | 3.72                                         | <=23.98 | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1.65                                         | <=23.98 | Pass    |
|                  |         | 5200            | 2.36                                         | <=23.98 | Pass    |
|                  |         | 5240            | 3.86                                         | <=23.98 | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1.75                                         | <=23.98 | Pass    |
|                  |         | 5230            | 2.66                                         | <=23.98 | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1.76                                         | <=23.98 | Pass    |
|                  |         | 5200            | 2.22                                         | <=23.98 | Pass    |
|                  |         | 5240            | 3.63                                         | <=23.98 | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 2.30                                         | <=23.98 | Pass    |
|                  |         | 5230            | 2.49                                         | <=23.98 | Pass    |
| 802.11ax (HEW20) | SISO    | 5180            | 1.75                                         | <=23.98 | Pass    |
|                  |         | 5200            | 2.35                                         | <=23.98 | Pass    |
|                  |         | 5240            | 3.42                                         | <=23.98 | Pass    |
| 802.11ax (HEW40) | SISO    | 5190            | 1.81                                         | <=23.98 | Pass    |
|                  |         | 5230            | 3.03                                         | <=23.98 | Pass    |

## 4. Maximum Power Spectral Density

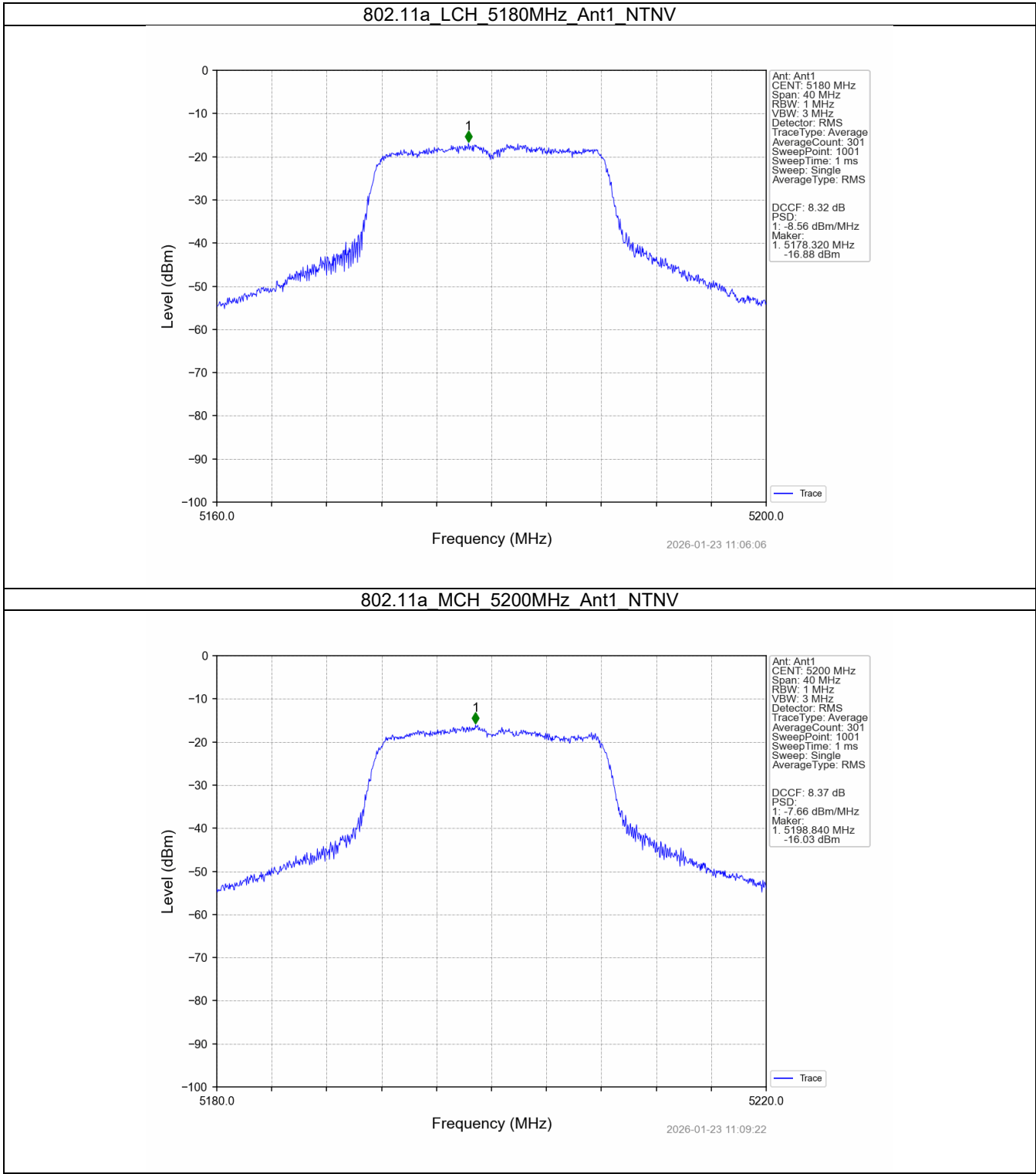
### 4.1 Test Result

#### 4.1.1 PSD

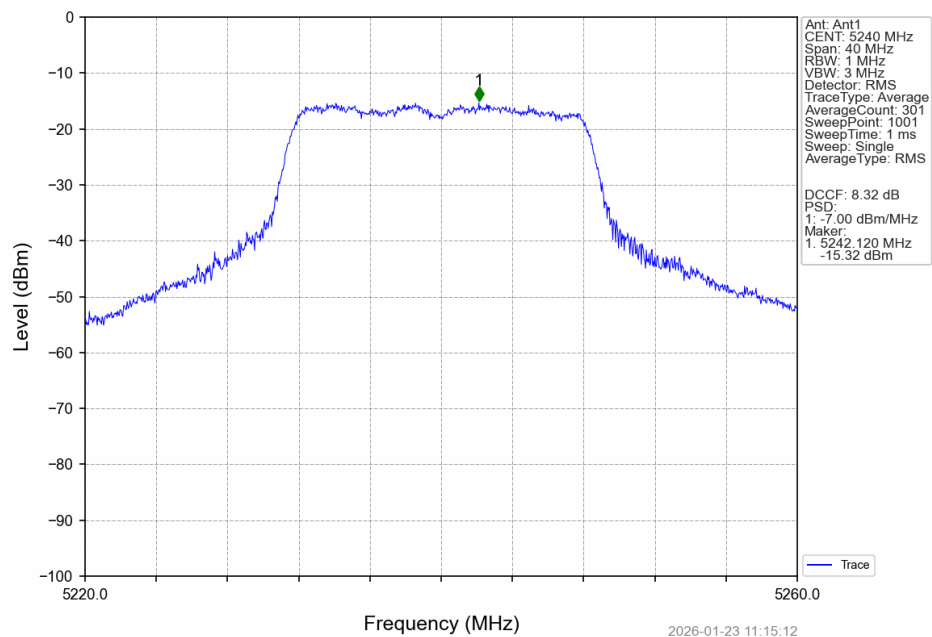
| Mode             | TX Type | Frequency (MHz) | Maximum PSD (dBm/MHz) |       | Verdict |
|------------------|---------|-----------------|-----------------------|-------|---------|
|                  |         |                 | ANT1                  | Limit |         |
| 802.11a          | SISO    | 5180            | -8.56                 | <=11  | Pass    |
|                  |         | 5200            | -7.66                 | <=11  | Pass    |
|                  |         | 5240            | -7.00                 | <=11  | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | -8.85                 | <=11  | Pass    |
|                  |         | 5200            | -8.59                 | <=11  | Pass    |
|                  |         | 5240            | -6.64                 | <=11  | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | -10.41                | <=11  | Pass    |
|                  |         | 5230            | -9.99                 | <=11  | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | -8.96                 | <=11  | Pass    |
|                  |         | 5200            | -8.30                 | <=11  | Pass    |
|                  |         | 5240            | -7.48                 | <=11  | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | -11.19                | <=11  | Pass    |
|                  |         | 5230            | -9.11                 | <=11  | Pass    |
| 802.11ax (HEW20) | SISO    | 5180            | -7.92                 | <=11  | Pass    |
|                  |         | 5200            | -8.13                 | <=11  | Pass    |
|                  |         | 5240            | -7.23                 | <=11  | Pass    |
| 802.11ax (HEW40) | SISO    | 5190            | -11.65                | <=11  | Pass    |
|                  |         | 5230            | -10.03                | <=11  | Pass    |

4.2 Test Graph

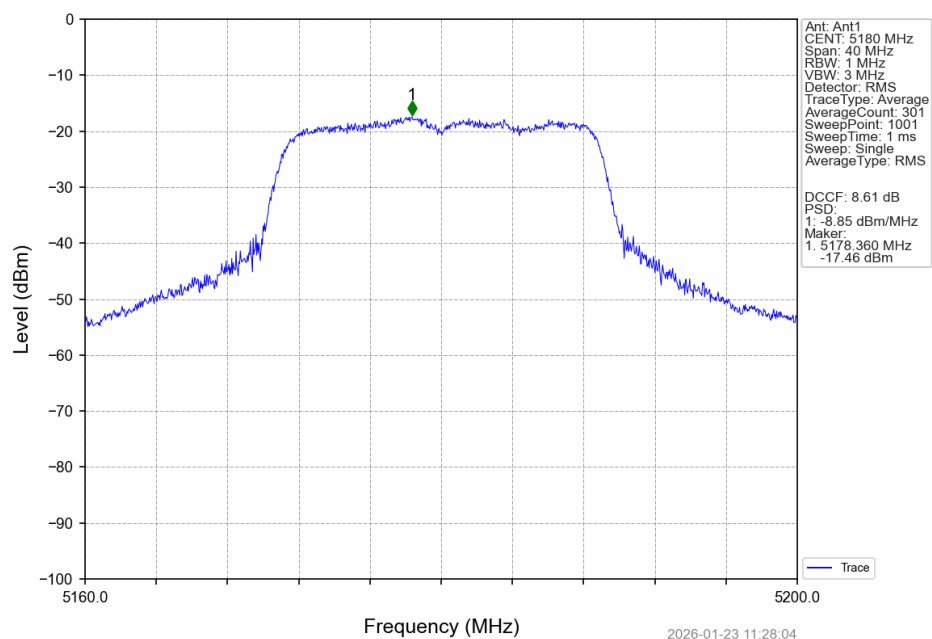
4.2.1 PSD



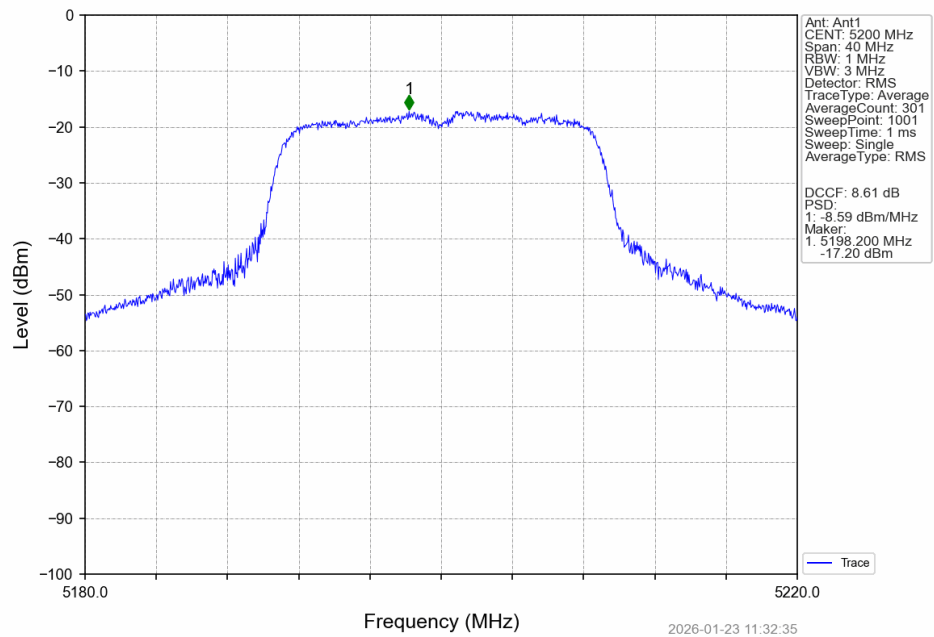
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



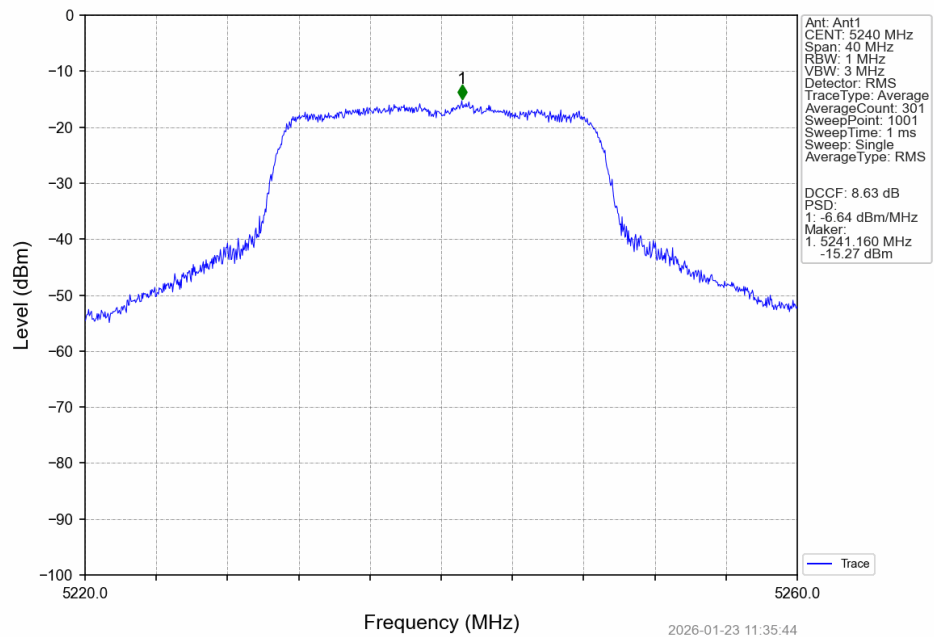
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



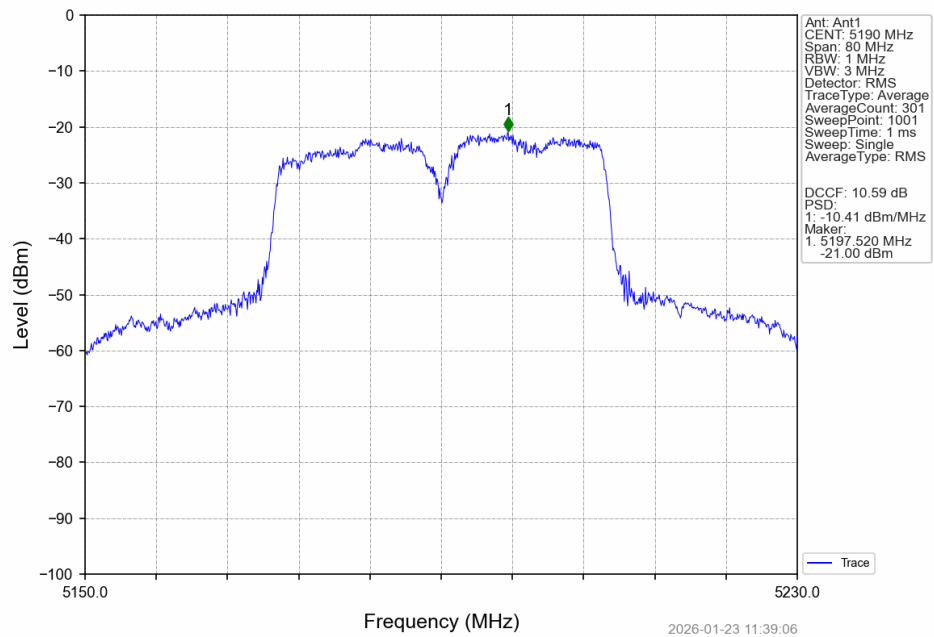
# 802.11n(HT20) MCH 5200MHz Ant1 NTN



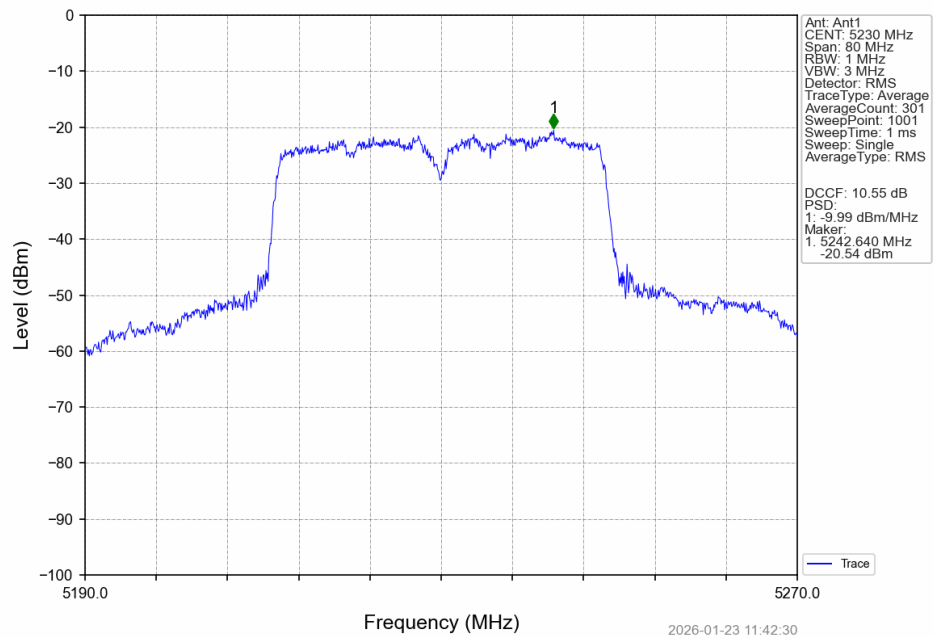
# 802.11n(HT20)\_HCH 5240MHz Ant1 NTN



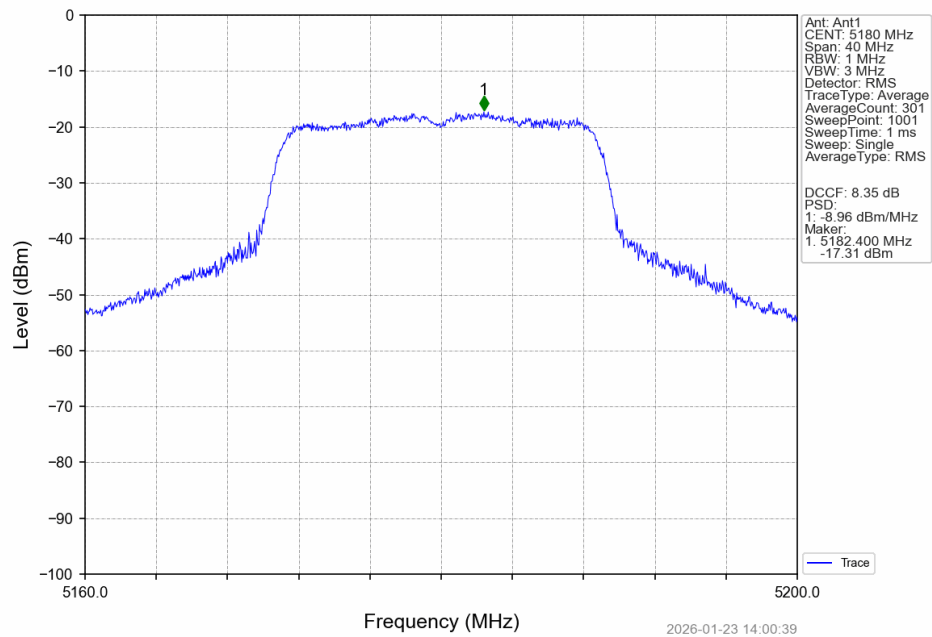
# 802.11n(HT40) LCH 5190MHz Ant1 NTN



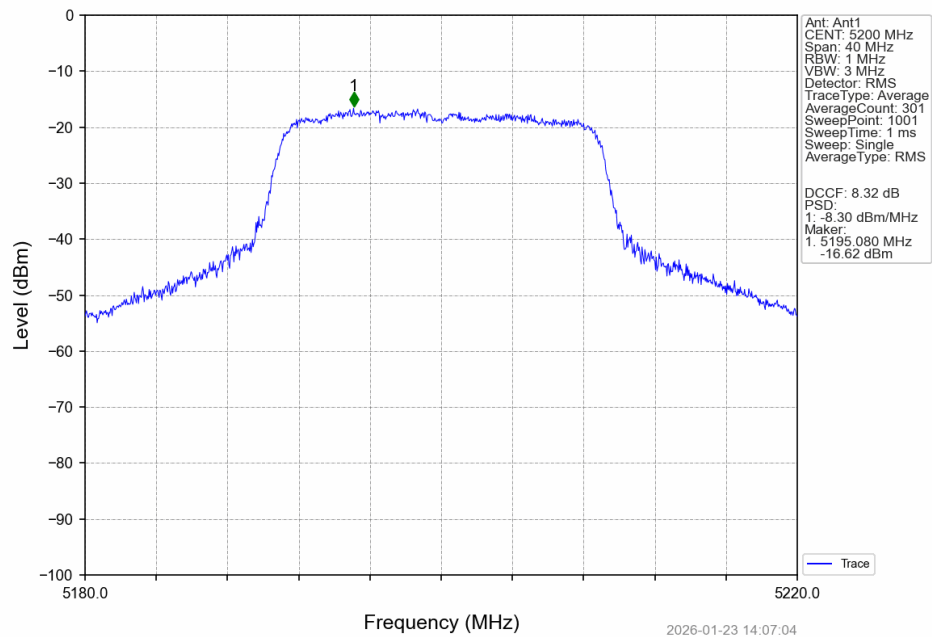
# 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTN



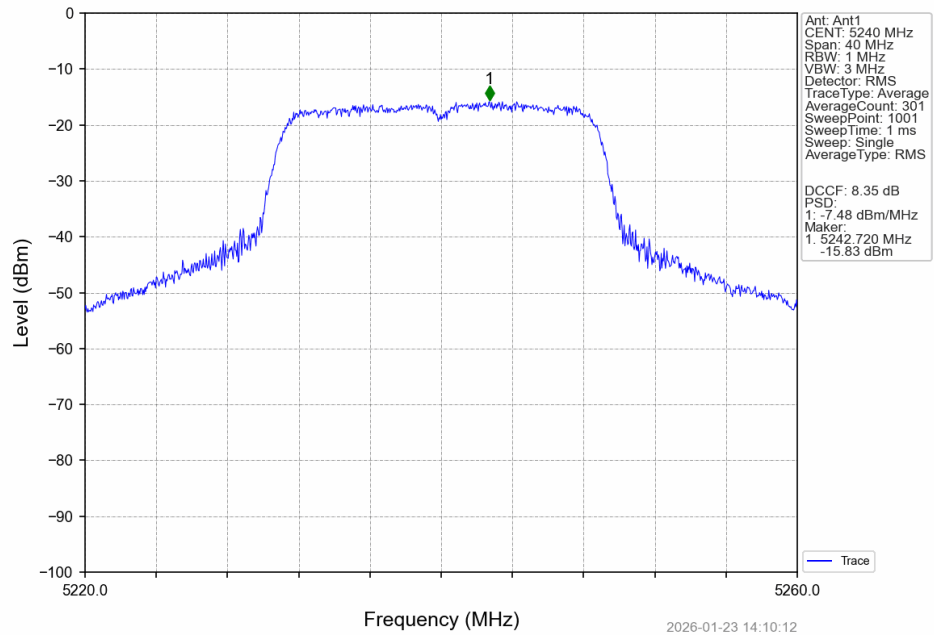
# 802.11ac(VHT20) LCH 5180MHz Ant1 NTN



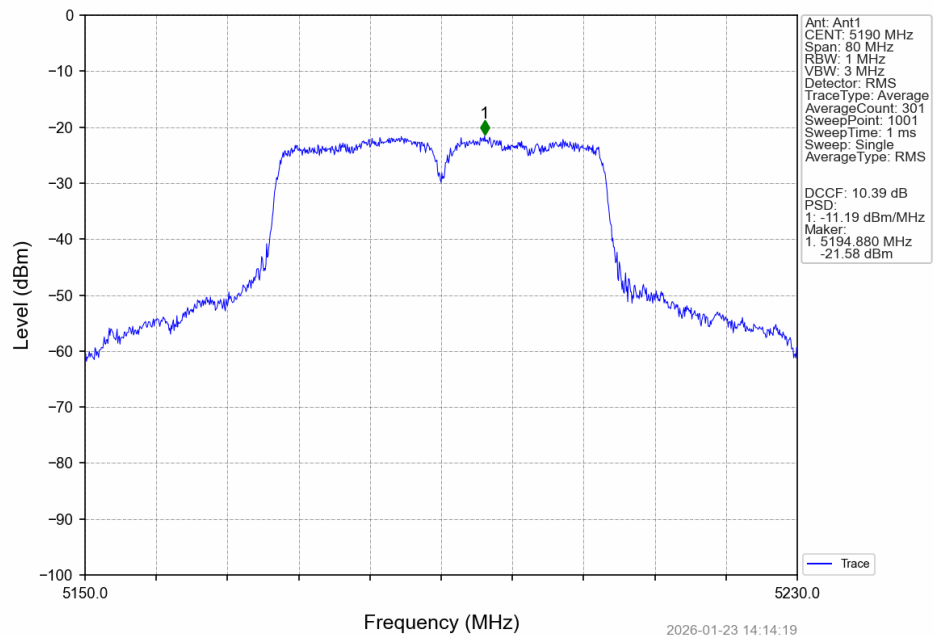
# 802.11ac(VHT20) MCH 5200MHz Ant1 NTN



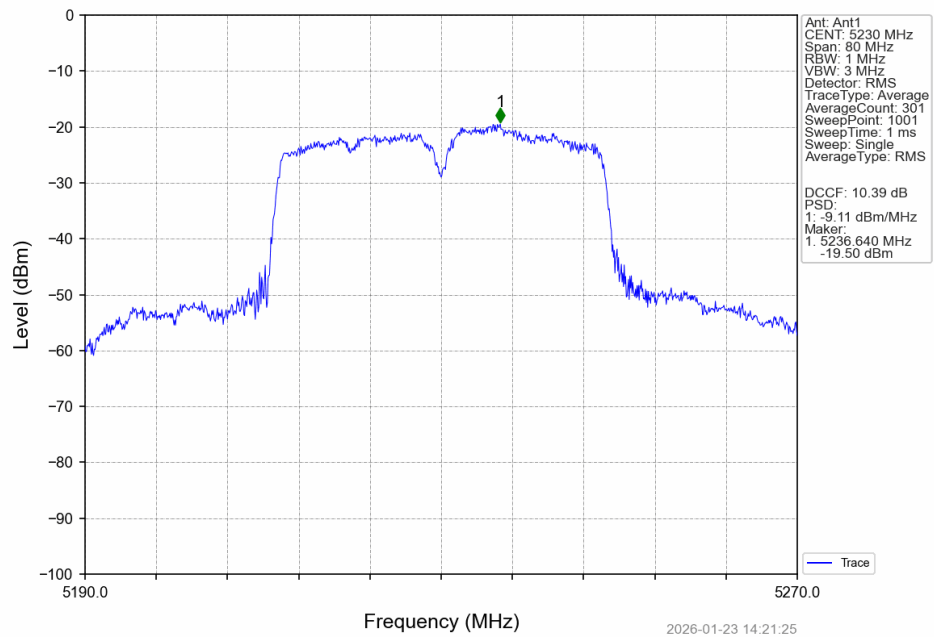
# 802.11ac(VHT20) HCH 5240MHz Ant1 NTN



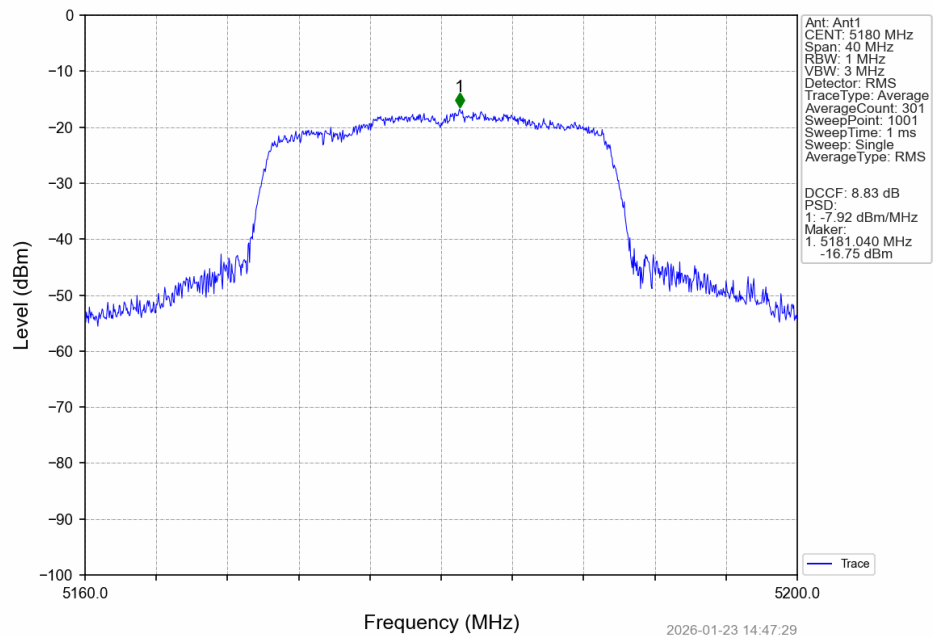
# 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTN



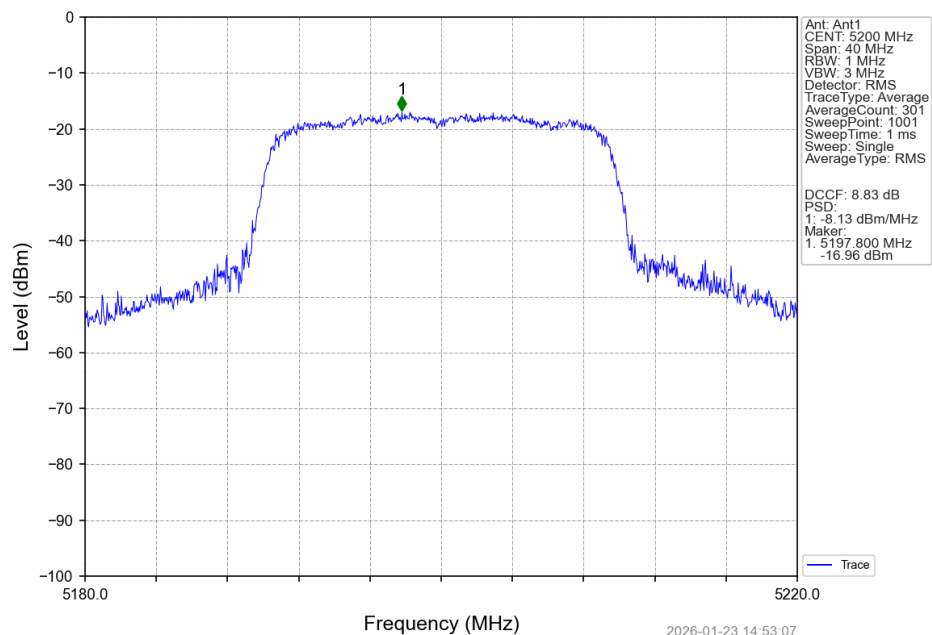
# 802.11ac(VHT40) HCH 5230MHz Ant1 NTN



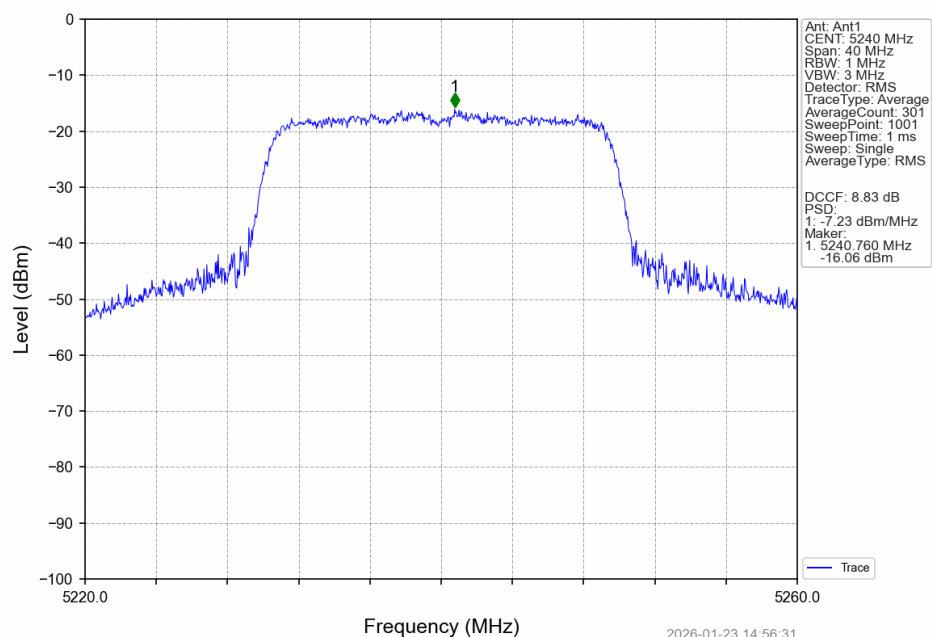
# 802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTN



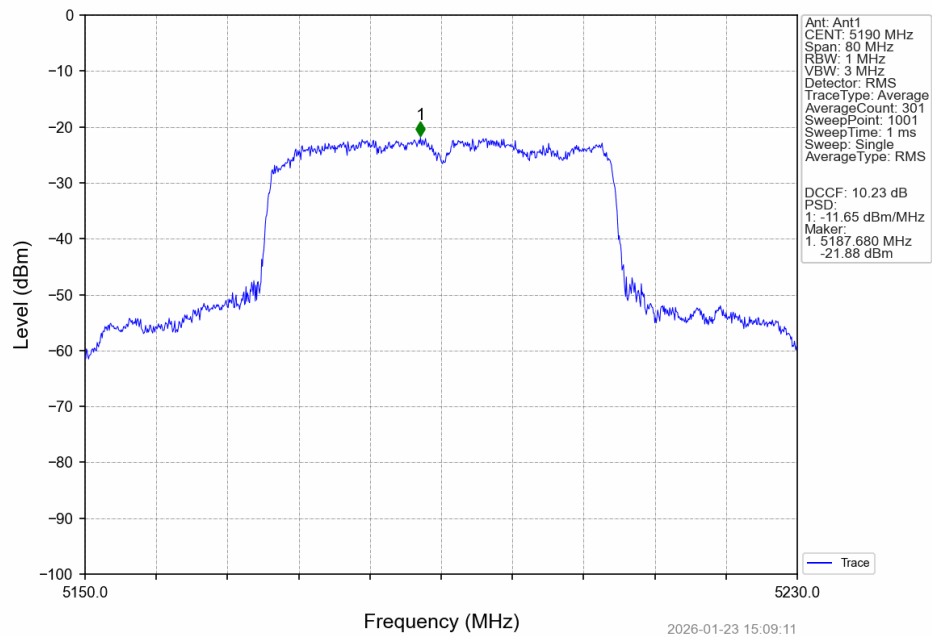
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



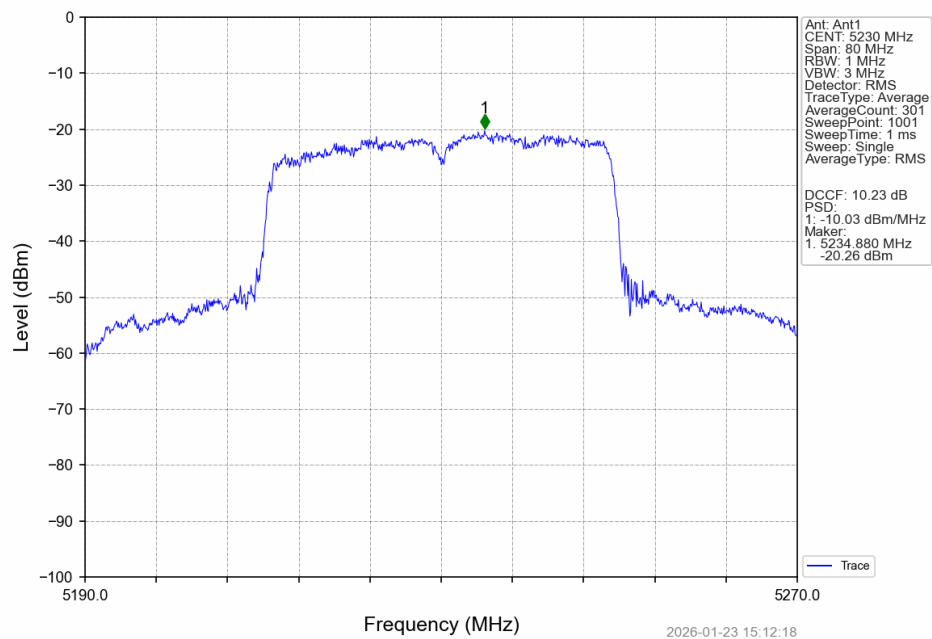
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



# 802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



# 802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



## 5. Unwanted Emissions In Restricted Frequency Bands

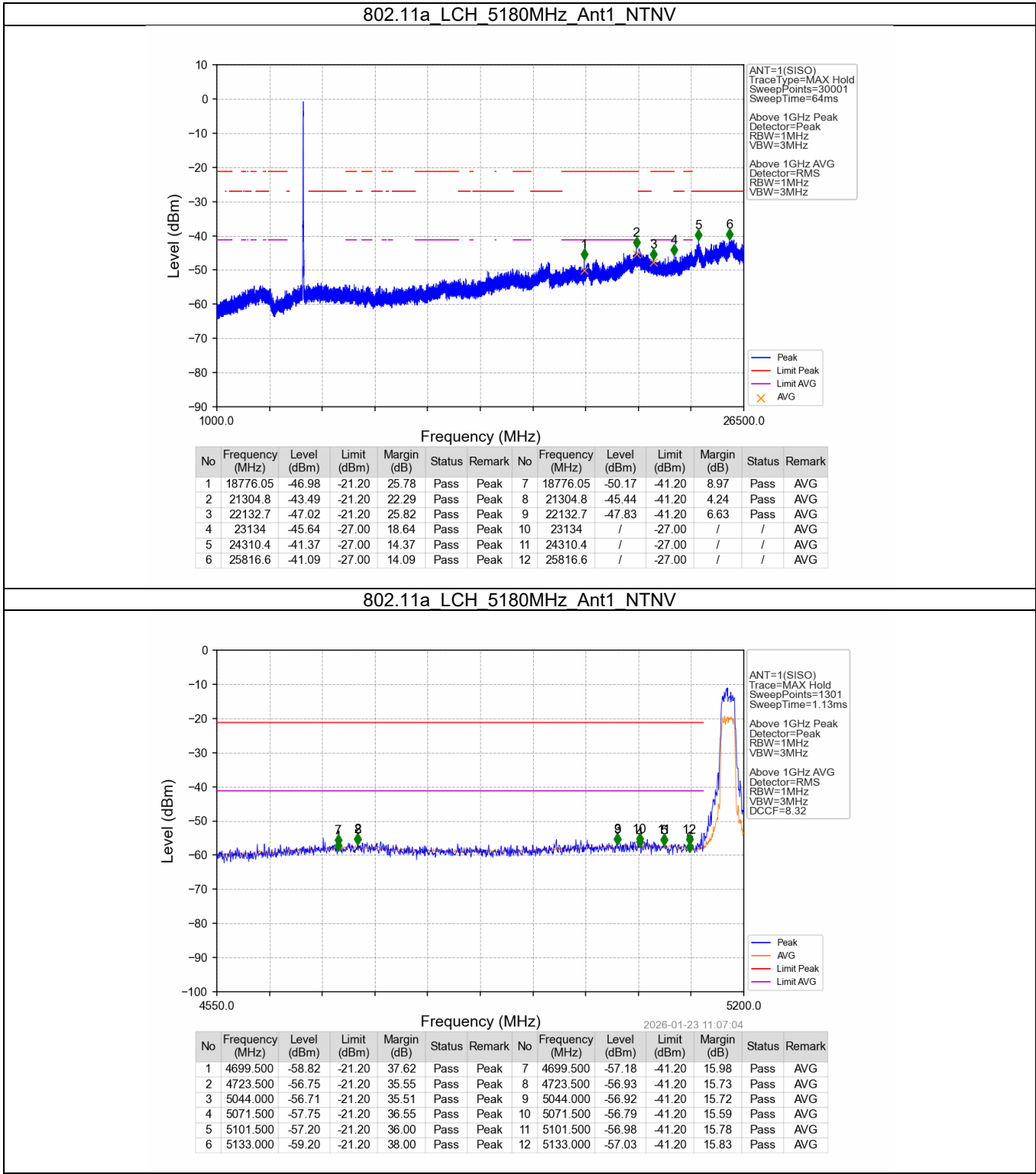
### 5.1 Test Result

#### 5.1.1 RSE

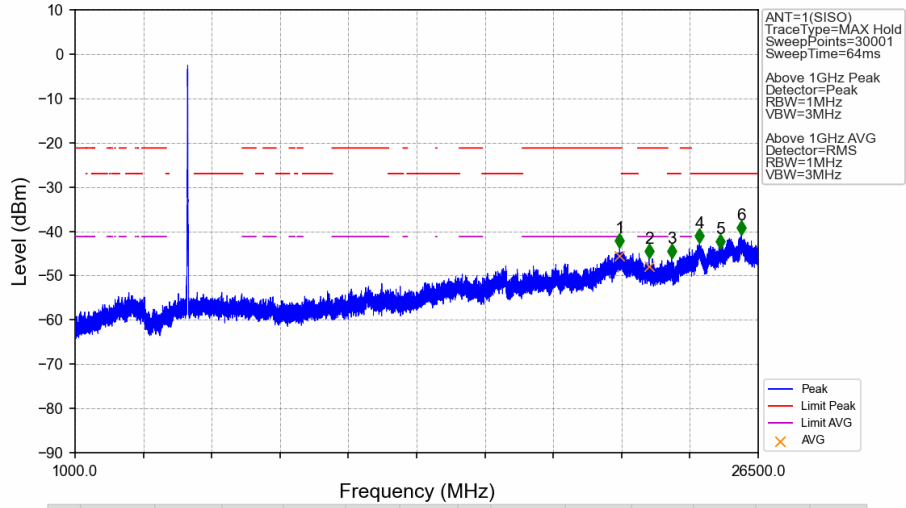
| Mode             | TX Type | Frequency (MHz) | ANT | Level of Unwanted Emissions (dBm) |       | Verdict |
|------------------|---------|-----------------|-----|-----------------------------------|-------|---------|
|                  |         |                 |     | Result                            | Limit |         |
| 802.11a          | SISO    | 5180            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5200            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5200            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5230            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5200            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5230            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11ax (HEW20) | SISO    | 5180            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5200            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5240            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11ax (HEW40) | SISO    | 5190            | 1   | Refer To Test Graph               |       | Pass    |
|                  |         | 5230            | 1   | Refer To Test Graph               |       | Pass    |

5.2 Test Graph

5.2.1 RSE

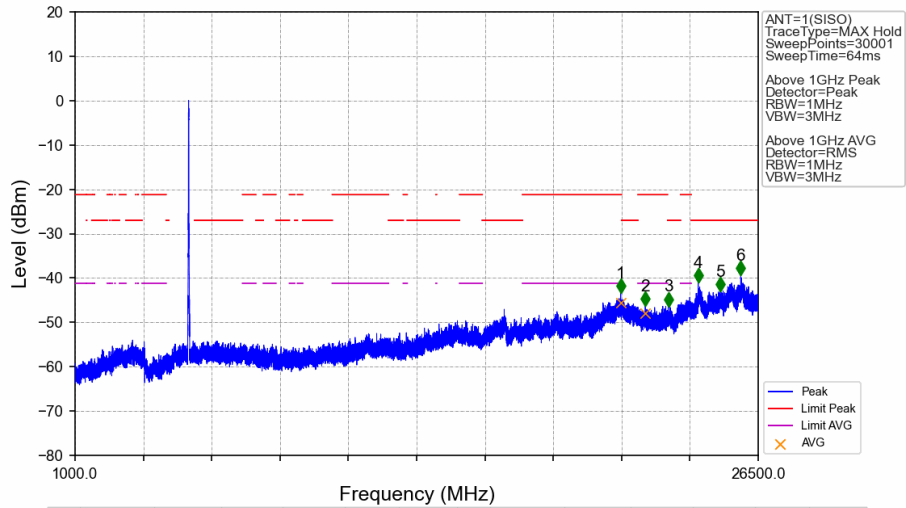


# 802.11a MCH 5200MHz Ant1 NTN



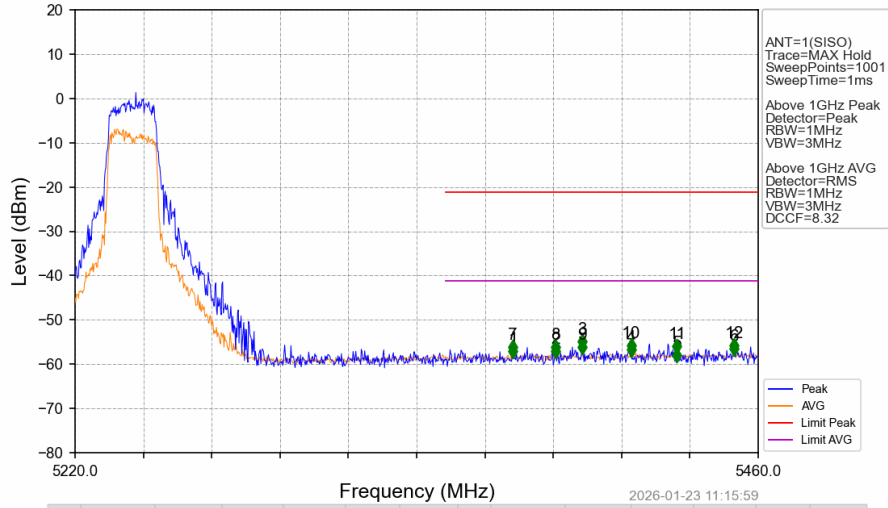
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 21326.05        | -43.72      | -21.20      | 22.52       | Pass   | Peak   | 7  | 21326.05        | -45.50      | -41.20      | 4.30        | Pass   | AVG    |
| 2  | 22424.25        | -45.97      | -21.20      | 24.77       | Pass   | Peak   | 8  | 22424.25        | -47.91      | -41.20      | 6.71        | Pass   | AVG    |
| 3  | 23264.05        | -46.08      | -27.00      | 19.08       | Pass   | Peak   | 9  | 23264.05        | /           | -27.00      | /           | /      | AVG    |
| 4  | 24311.25        | -42.55      | -27.00      | 15.55       | Pass   | Peak   | 10 | 24311.25        | /           | -27.00      | /           | /      | AVG    |
| 5  | 25080.5         | -43.84      | -27.00      | 16.84       | Pass   | Peak   | 11 | 25080.5         | /           | -27.00      | /           | /      | AVG    |
| 6  | 25861.65        | -40.74      | -27.00      | 13.74       | Pass   | Peak   | 12 | 25861.65        | /           | -27.00      | /           | /      | AVG    |

# 802.11a\_HCH 5240MHz\_Ant1 NTN

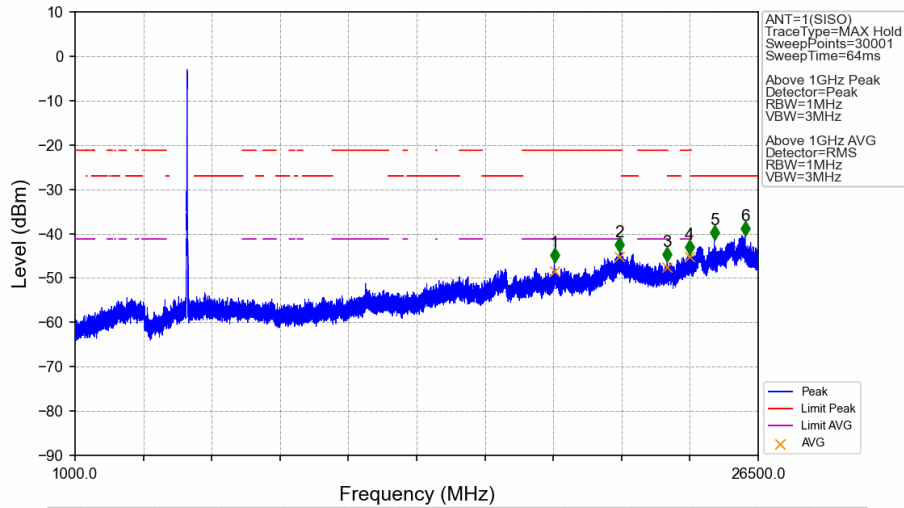


| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 21366           | -43.28      | -21.20      | 22.08       | Pass   | Peak   | 7  | 21366           | -45.61      | -41.20      | 4.41        | Pass   | AVG    |
| 2  | 22284.85        | -46.23      | -21.20      | 25.03       | Pass   | Peak   | 8  | 22284.85        | -47.87      | -41.20      | 6.67        | Pass   | AVG    |
| 3  | 23142.5         | -46.34      | -27.00      | 19.34       | Pass   | Peak   | 9  | 23142.5         | /           | -27.00      | /           | /      | AVG    |
| 4  | 24259.4         | -40.92      | -27.00      | 13.92       | Pass   | Peak   | 10 | 24259.4         | /           | -27.00      | /           | /      | AVG    |
| 5  | 25068.6         | -42.96      | -27.00      | 15.96       | Pass   | Peak   | 11 | 25068.6         | /           | -27.00      | /           | /      | AVG    |
| 6  | 25849.75        | -39.40      | -27.00      | 12.40       | Pass   | Peak   | 12 | 25849.75        | /           | -27.00      | /           | /      | AVG    |

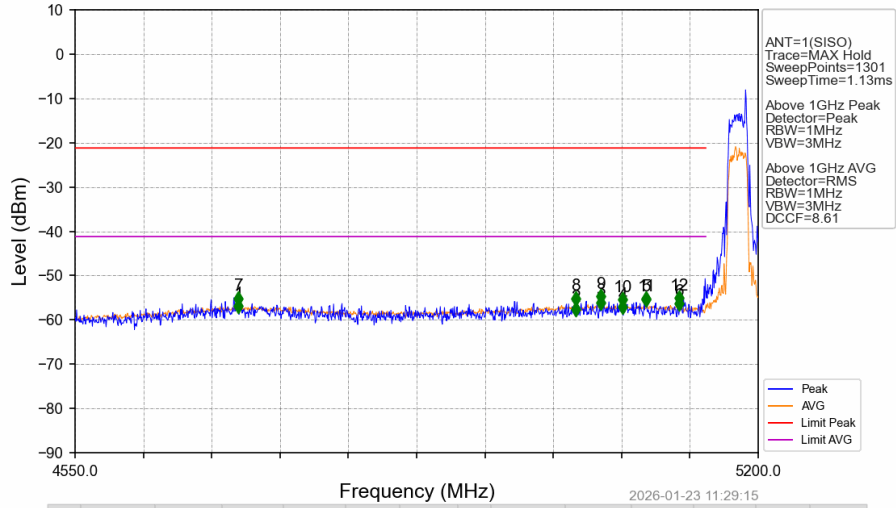
# 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



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

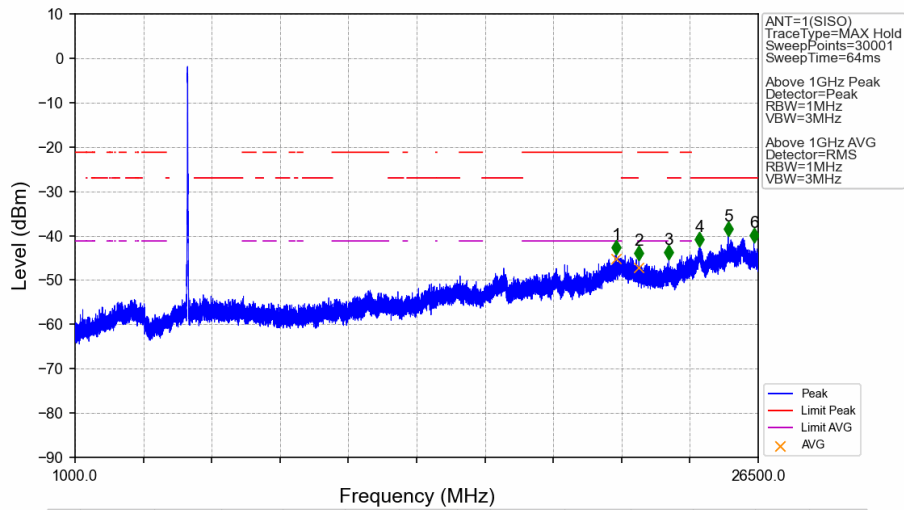


# 802.11n(HT20) LCH 5180MHz Ant1 NTV



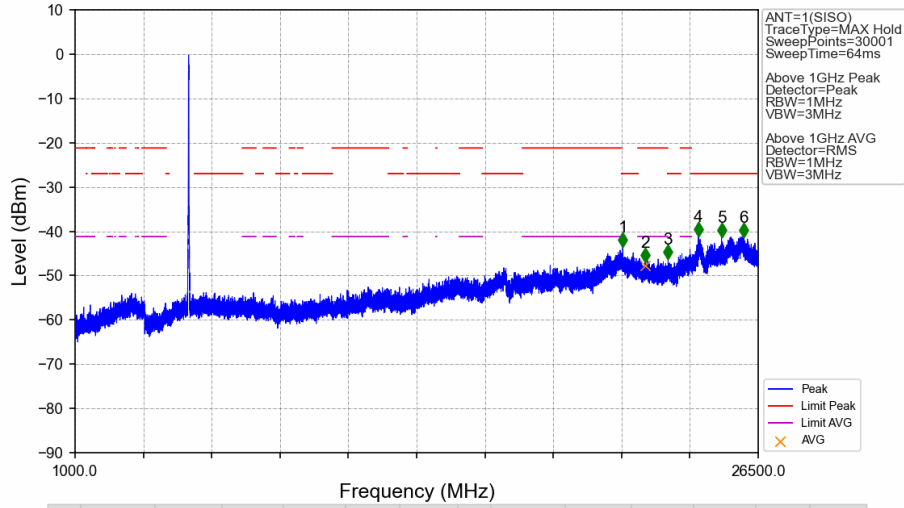
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 4705.500        | -58.41      | -21.20      | 37.21       | Pass   | Peak   | 7  | 4705.500        | -56.71      | -41.20      | 15.51       | Pass   | AVG    |
| 2  | 5026.500        | -59.08      | -21.20      | 37.88       | Pass   | Peak   | 8  | 5026.500        | -56.70      | -41.20      | 15.50       | Pass   | AVG    |
| 3  | 5050.000        | -57.77      | -21.20      | 36.57       | Pass   | Peak   | 9  | 5050.000        | -56.28      | -41.20      | 15.08       | Pass   | AVG    |
| 4  | 5071.000        | -58.56      | -21.20      | 37.36       | Pass   | Peak   | 10 | 5071.000        | -56.98      | -41.20      | 15.78       | Pass   | AVG    |
| 5  | 5093.500        | -56.89      | -21.20      | 35.69       | Pass   | Peak   | 11 | 5093.500        | -56.75      | -41.20      | 15.55       | Pass   | AVG    |
| 6  | 5125.000        | -57.90      | -21.20      | 36.70       | Pass   | Peak   | 12 | 5125.000        | -56.67      | -41.20      | 15.47       | Pass   | AVG    |

# 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTV



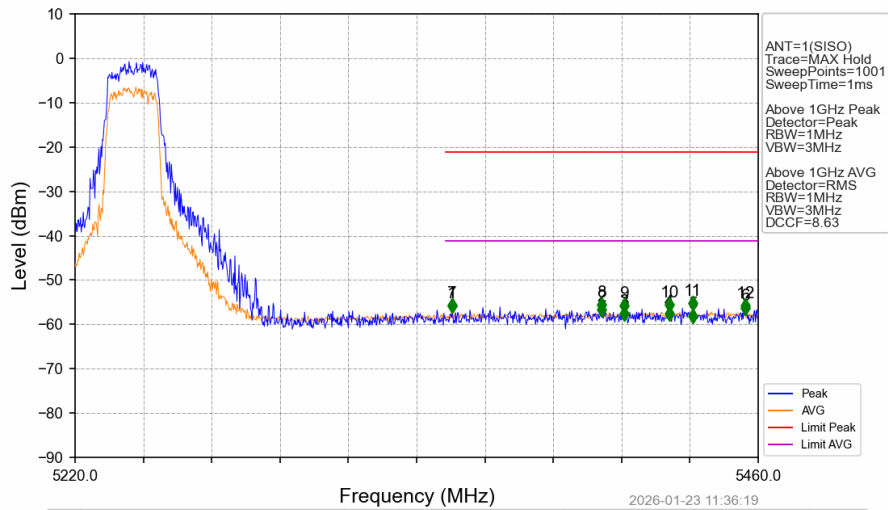
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 21207.05        | -44.18      | -21.20      | 22.98       | Pass   | Peak   | 7  | 21207.05        | -45.15      | -41.20      | 3.95        | Pass   | AVG    |
| 2  | 22047.7         | -45.42      | -21.20      | 24.22       | Pass   | Peak   | 8  | 22047.7         | -47.19      | -41.20      | 5.99        | Pass   | AVG    |
| 3  | 23166.3         | -45.34      | -27.00      | 18.34       | Pass   | Peak   | 9  | 23166.3         | /           | -27.00      | /           | /      | AVG    |
| 4  | 24313.8         | -42.44      | -27.00      | 15.44       | Pass   | Peak   | 10 | 24313.8         | /           | -27.00      | /           | /      | AVG    |
| 5  | 25380.55        | -39.96      | -27.00      | 12.96       | Pass   | Peak   | 11 | 25380.55        | /           | -27.00      | /           | /      | AVG    |
| 6  | 26336.8         | -41.53      | -27.00      | 14.53       | Pass   | Peak   | 12 | 26336.8         | /           | -27.00      | /           | /      | AVG    |

# 802.11n(HT20) HCH 5240MHz Ant1 NTV



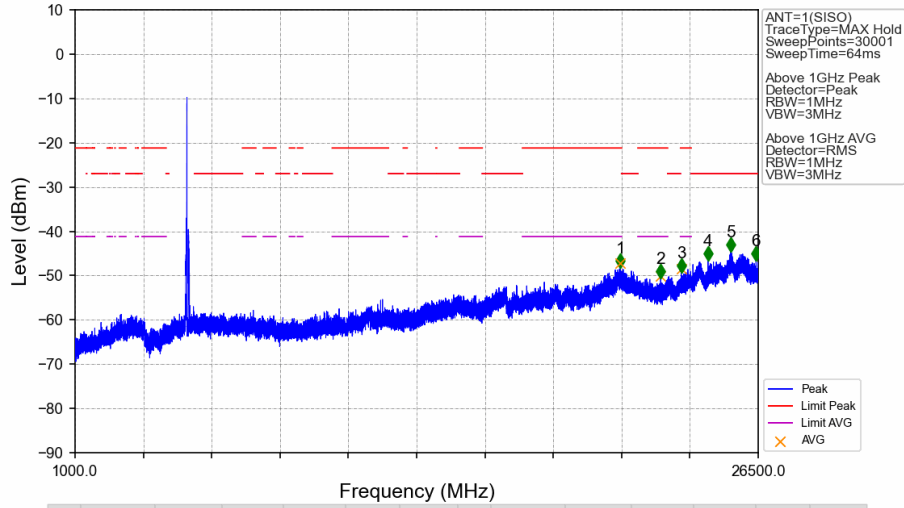
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 21443.35        | -43.46      | -27.00      | 16.46       | Pass   | Peak   | 7  | 21443.35        | /           | -27.00      | /           | /      | AVG    |
| 2  | 22276.35        | -47.03      | -21.20      | 25.83       | Pass   | Peak   | 8  | 22276.35        | -47.67      | -41.20      | 6.47        | Pass   | AVG    |
| 3  | 23136.55        | -46.27      | -27.00      | 19.27       | Pass   | Peak   | 9  | 23136.55        | /           | -27.00      | /           | /      | AVG    |
| 4  | 24270.45        | -41.17      | -27.00      | 14.17       | Pass   | Peak   | 10 | 24270.45        | /           | -27.00      | /           | /      | AVG    |
| 5  | 25130.65        | -41.24      | -27.00      | 14.24       | Pass   | Peak   | 11 | 25130.65        | /           | -27.00      | /           | /      | AVG    |
| 6  | 25972.15        | -41.28      | -27.00      | 14.28       | Pass   | Peak   | 12 | 25972.15        | /           | -27.00      | /           | /      | AVG    |

# 802.11n(HT20) HCH 5240MHz Ant1 NTV



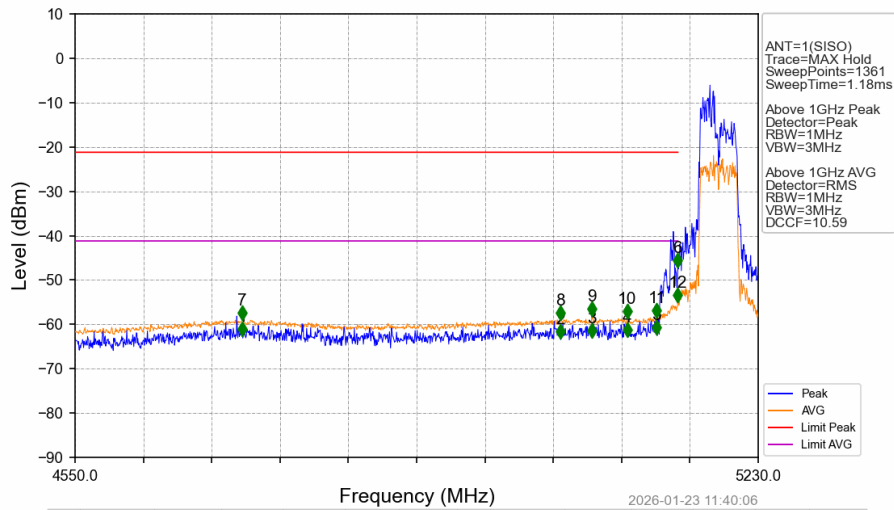
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5352.480        | -57.41      | -21.20      | 36.21       | Pass   | Peak   | 7  | 5352.480        | -57.35      | -41.20      | 16.15       | Pass   | AVG    |
| 2  | 5405.040        | -58.16      | -21.20      | 36.96       | Pass   | Peak   | 8  | 5405.040        | -57.24      | -41.20      | 16.04       | Pass   | AVG    |
| 3  | 5412.960        | -59.17      | -21.20      | 37.97       | Pass   | Peak   | 9  | 5412.960        | -57.37      | -41.20      | 16.17       | Pass   | AVG    |
| 4  | 5428.800        | -59.15      | -21.20      | 37.95       | Pass   | Peak   | 10 | 5428.800        | -57.19      | -41.20      | 15.99       | Pass   | AVG    |
| 5  | 5436.960        | -59.66      | -21.20      | 38.46       | Pass   | Peak   | 11 | 5436.960        | -56.87      | -41.20      | 15.67       | Pass   | AVG    |
| 6  | 5455.440        | -57.94      | -21.20      | 36.74       | Pass   | Peak   | 12 | 5455.440        | -57.32      | -41.20      | 16.12       | Pass   | AVG    |

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



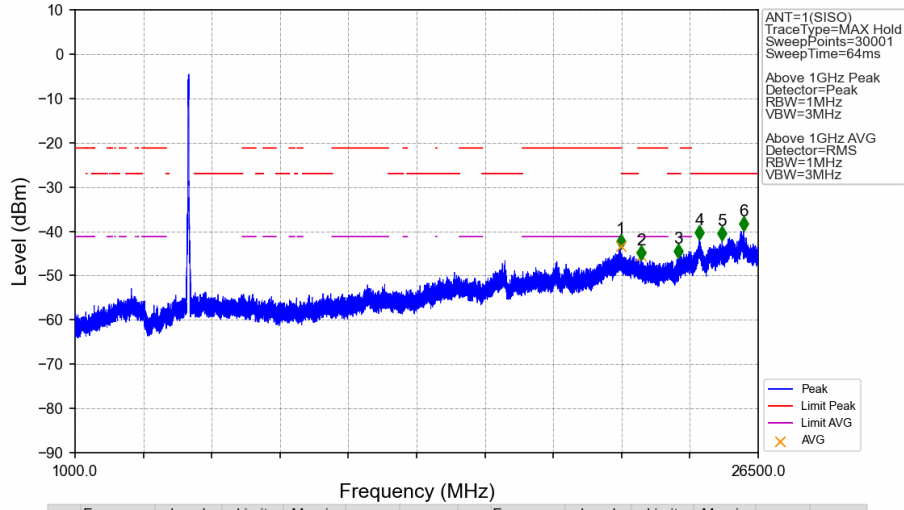
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 21354.95        | -48.16      | -21.20      | 26.96       | Pass   | Peak   | 7  | 21354.95        | -47.28      | -41.20      | 6.08        | Pass   | AVG    |
| 2  | 22858.6         | -50.68      | -21.20      | 29.48       | Pass   | Peak   | 8  | 22858.6         | -50.17      | -41.20      | 8.97        | Pass   | AVG    |
| 3  | 23627.85        | -49.33      | -21.20      | 28.13       | Pass   | Peak   | 9  | 23627.85        | -48.43      | -41.20      | 7.23        | Pass   | AVG    |
| 4  | 24627.45        | -46.65      | -27.00      | 19.65       | Pass   | Peak   | 10 | 24627.45        | /           | -27.00      | /           | /      | AVG    |
| 5  | 25468.1         | -44.62      | -27.00      | 17.62       | Pass   | Peak   | 11 | 25468.1         | /           | -27.00      | /           | /      | AVG    |
| 6  | 26420.1         | -46.60      | -27.00      | 19.60       | Pass   | Peak   | 12 | 26420.1         | /           | -27.00      | /           | /      | AVG    |

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



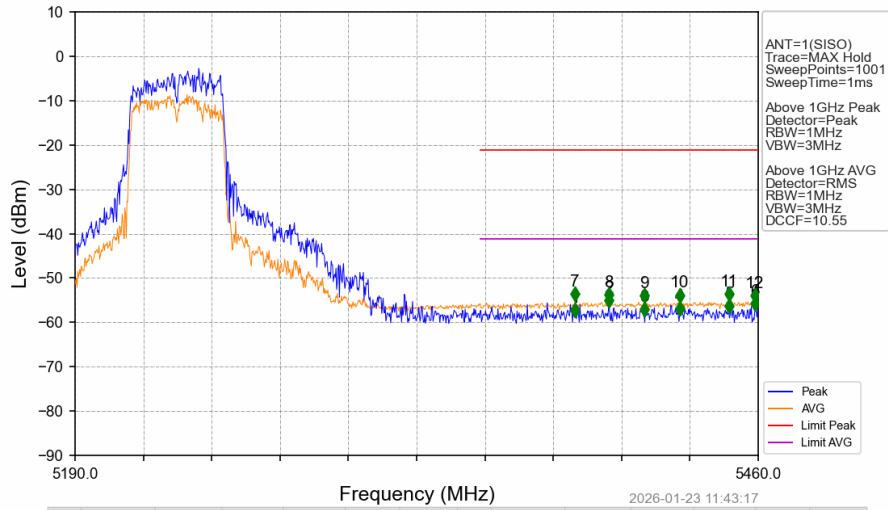
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 4716.500        | -62.70      | -21.20      | 41.50       | Pass   | Peak   | 7  | 4716.500        | -58.99      | -41.20      | 17.79       | Pass   | AVG    |
| 2  | 5033.000        | -63.16      | -21.20      | 41.96       | Pass   | Peak   | 8  | 5033.000        | -58.90      | -41.20      | 17.70       | Pass   | AVG    |
| 3  | 5064.500        | -62.93      | -21.20      | 41.73       | Pass   | Peak   | 9  | 5064.500        | -58.11      | -41.20      | 16.91       | Pass   | AVG    |
| 4  | 5099.500        | -62.72      | -21.20      | 41.52       | Pass   | Peak   | 10 | 5099.500        | -58.69      | -41.20      | 17.49       | Pass   | AVG    |
| 5  | 5129.000        | -62.25      | -21.20      | 41.05       | Pass   | Peak   | 11 | 5129.000        | -58.44      | -41.20      | 17.24       | Pass   | AVG    |
| 6  | 5150.000        | -47.22      | -21.20      | 26.02       | Pass   | Peak   | 12 | 5150.000        | -55.01      | -41.20      | 13.81       | Pass   | AVG    |

# 802.11n(HT40) HCH 5230MHz Ant1 NTV



| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 21361.75        | -43.84      | -21.20      | 22.64       | Pass   | Peak   | 7  | 21361.75        | -43.30      | -41.20      | 2.10        | Pass   | AVG    |
| 2  | 22135.25        | -46.37      | -21.20      | 25.17       | Pass   | Peak   | 8  | 22135.25        | -45.48      | -41.20      | 4.28        | Pass   | AVG    |
| 3  | 23517.35        | -46.01      | -27.00      | 19.01       | Pass   | Peak   | 9  | 23517.35        | /           | -27.00      | /           | /      | AVG    |
| 4  | 24311.25        | -41.82      | -27.00      | 14.82       | Pass   | Peak   | 10 | 24311.25        | /           | -27.00      | /           | /      | AVG    |
| 5  | 25152.75        | -42.07      | -27.00      | 15.07       | Pass   | Peak   | 11 | 25152.75        | /           | -27.00      | /           | /      | AVG    |
| 6  | 25952.6         | -39.85      | -27.00      | 12.85       | Pass   | Peak   | 12 | 25952.6         | /           | -27.00      | /           | /      | AVG    |

# 802.11n(HT40) HCH 5230MHz Ant1 NTV



| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5387.640        | -58.74      | -21.20      | 37.54       | Pass   | Peak   | 7  | 5387.640        | -55.18      | -41.20      | 13.98       | Pass   | AVG    |
| 2  | 5400.870        | -56.58      | -21.20      | 35.38       | Pass   | Peak   | 8  | 5400.870        | -55.29      | -41.20      | 14.09       | Pass   | AVG    |
| 3  | 5414.910        | -58.55      | -21.20      | 37.35       | Pass   | Peak   | 9  | 5414.910        | -55.45      | -41.20      | 14.25       | Pass   | AVG    |
| 4  | 5428.950        | -58.45      | -21.20      | 37.25       | Pass   | Peak   | 10 | 5428.950        | -55.43      | -41.20      | 14.23       | Pass   | AVG    |
| 5  | 5448.390        | -57.93      | -21.20      | 36.73       | Pass   | Peak   | 11 | 5448.390        | -55.19      | -41.20      | 13.99       | Pass   | AVG    |
| 6  | 5458.650        | -57.42      | -21.20      | 36.22       | Pass   | Peak   | 12 | 5458.650        | -55.50      | -41.20      | 14.30       | Pass   | AVG    |