

# ANNEX 1 TEST DATA

## FCC ID: 2BYBO-DD-002

Applicant: DOLPHIN INNOVATIVE SOLUTIONS INC. (Dolphin Digital OOH Media)

Address: 2520 Marsh Ln, Carrollton, TX 75006, USA

Manufacturer: SHENZHEN AMEDIA TECHNOLOGY CO., LTD

Address: Room 201, Building 2, Stech Park, Gaofeng community, Dalang Street, Longhua District, Shenzhen, China

Product Name: Dolphin Smart Media Player

Trade Mark: Dolphin

Model Number: DD-002

Date of Receipt: Aug. 20, 2026

Test Date: Aug. 20, 2026 –Aug. 31, 2026

Date of Report: Aug. 31, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC PART 15 E 15.407  
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024

Test Result: Pass

Report Number: DLE-260820040R

## 1. Duty Cycle

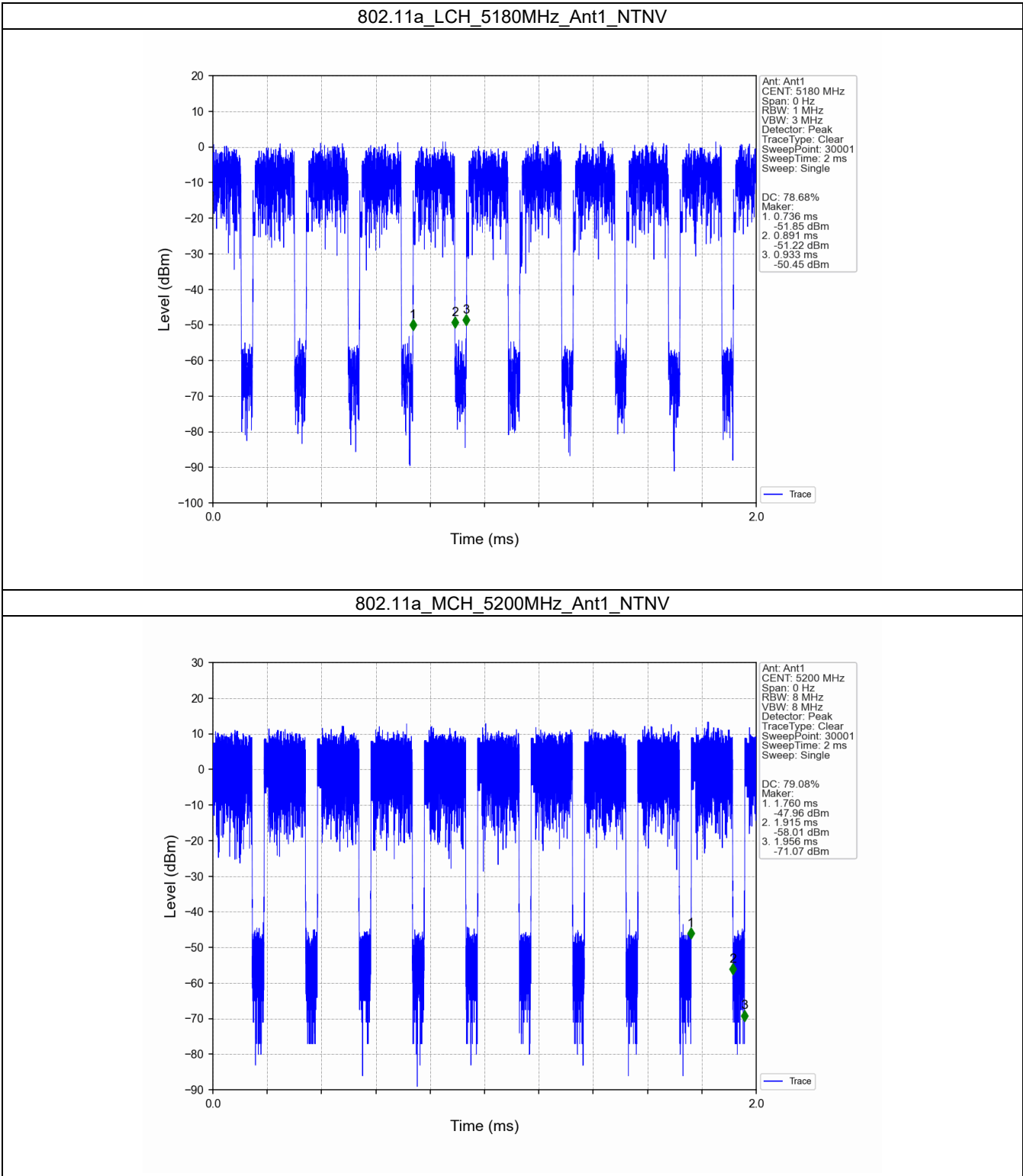
### 1.1 Test Result

#### 1.1.1 Ant1

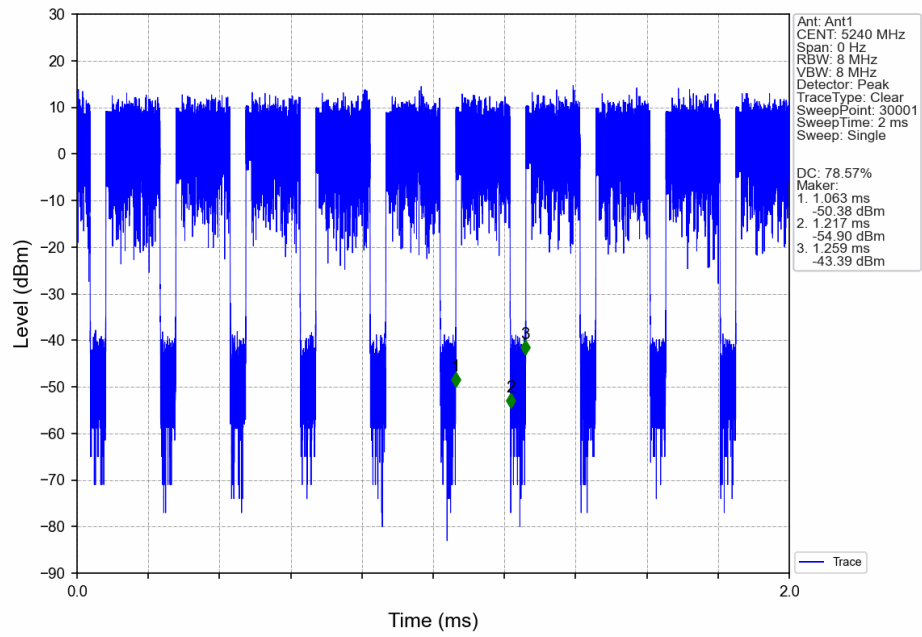
| Ant1           |         |                 |           |             |                |                                   |                       |
|----------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11a        | SISO    | 5180            | 0.155     | 0.197       | 78.68          | 1.04                              | 0.19                  |
|                |         | 5200            | 0.155     | 0.196       | 79.08          | 1.02                              | 0.13                  |
|                |         | 5240            | 0.154     | 0.196       | 78.57          | 1.05                              | 0.21                  |
| 802.11n (HT20) | SISO    | 5180            | 0.166     | 0.208       | 79.81          | 0.98                              | 0.13                  |
|                |         | 5200            | 0.167     | 0.209       | 79.90          | 0.97                              | 0.12                  |
|                |         | 5240            | 0.165     | 0.209       | 78.95          | 1.03                              | 0.06                  |
| 802.11n (HT40) | SISO    | 5190            | 0.102     | 0.144       | 70.83          | 1.50                              | 0.25                  |
|                |         | 5230            | 0.101     | 0.144       | 70.14          | 1.54                              | 0.12                  |

# 1.2 Test Graph

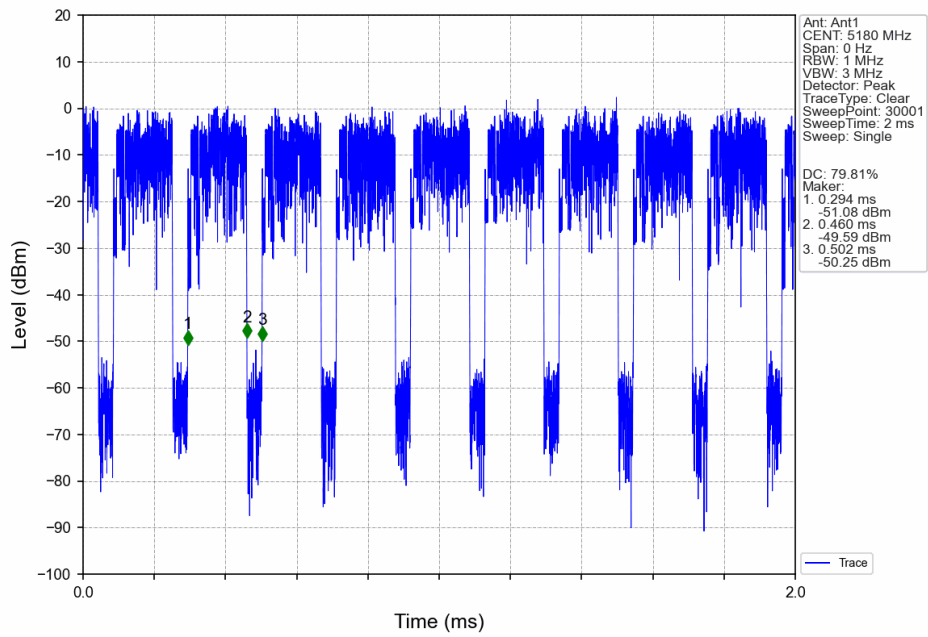
## 1.2.1 Ant1



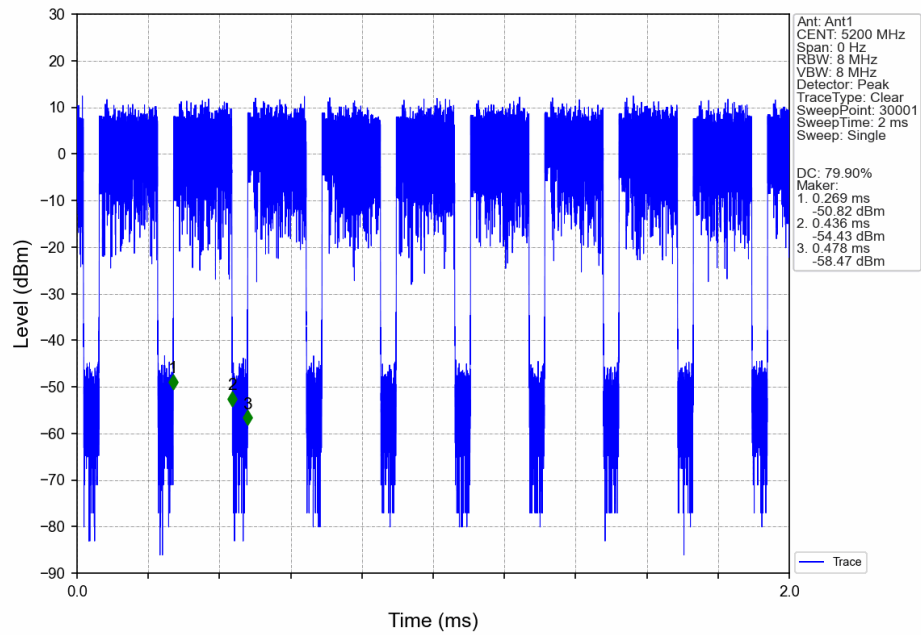
# 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



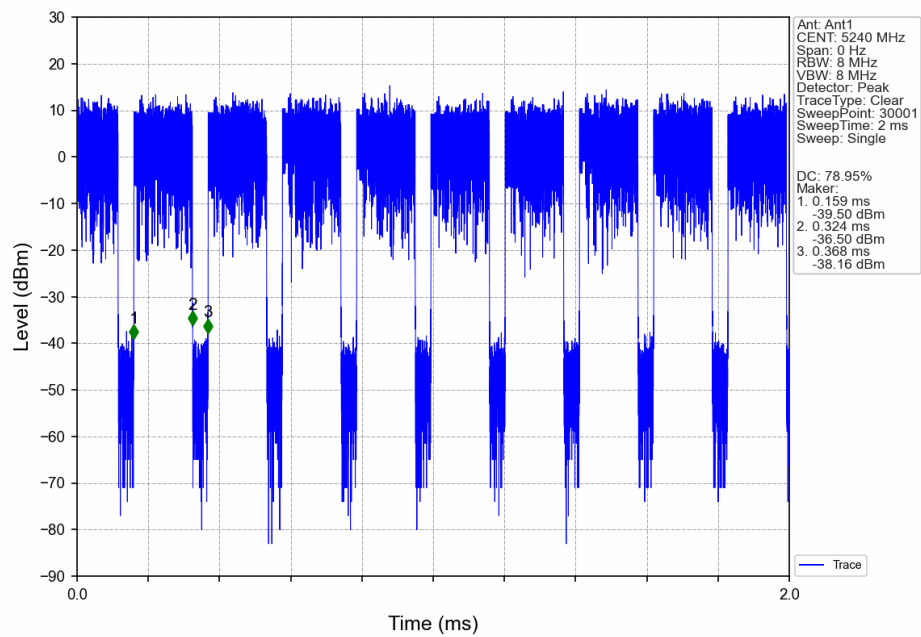
# 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



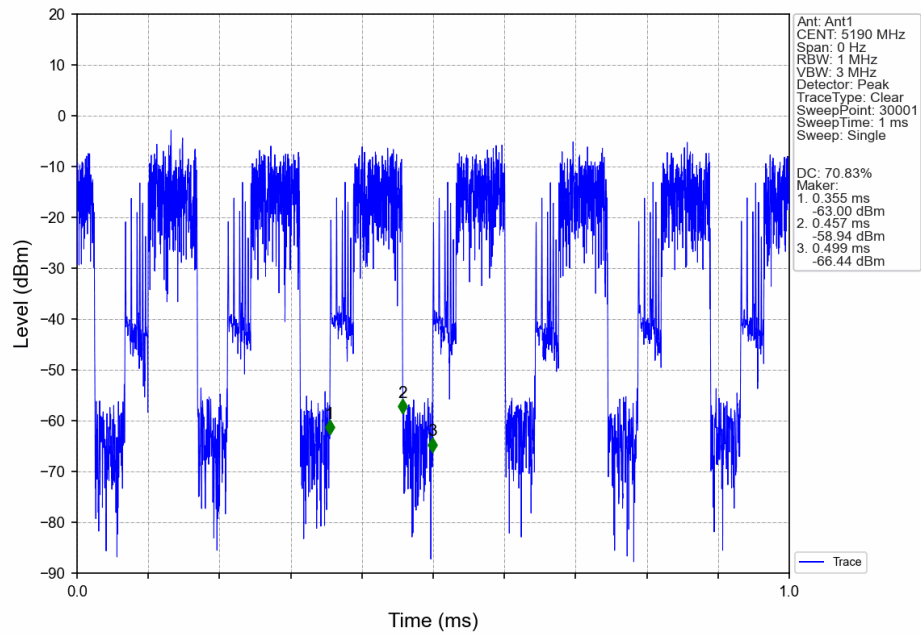
# 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



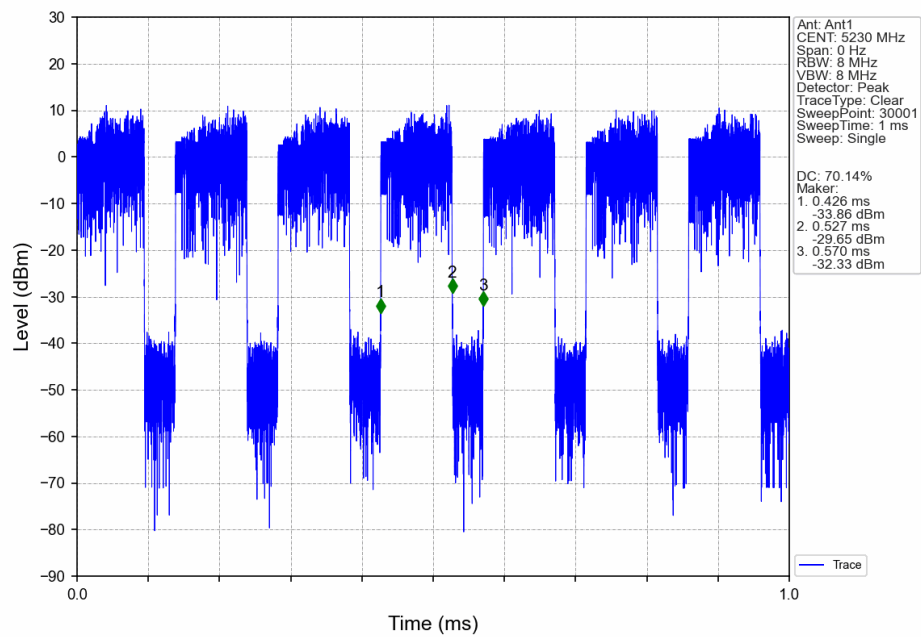
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

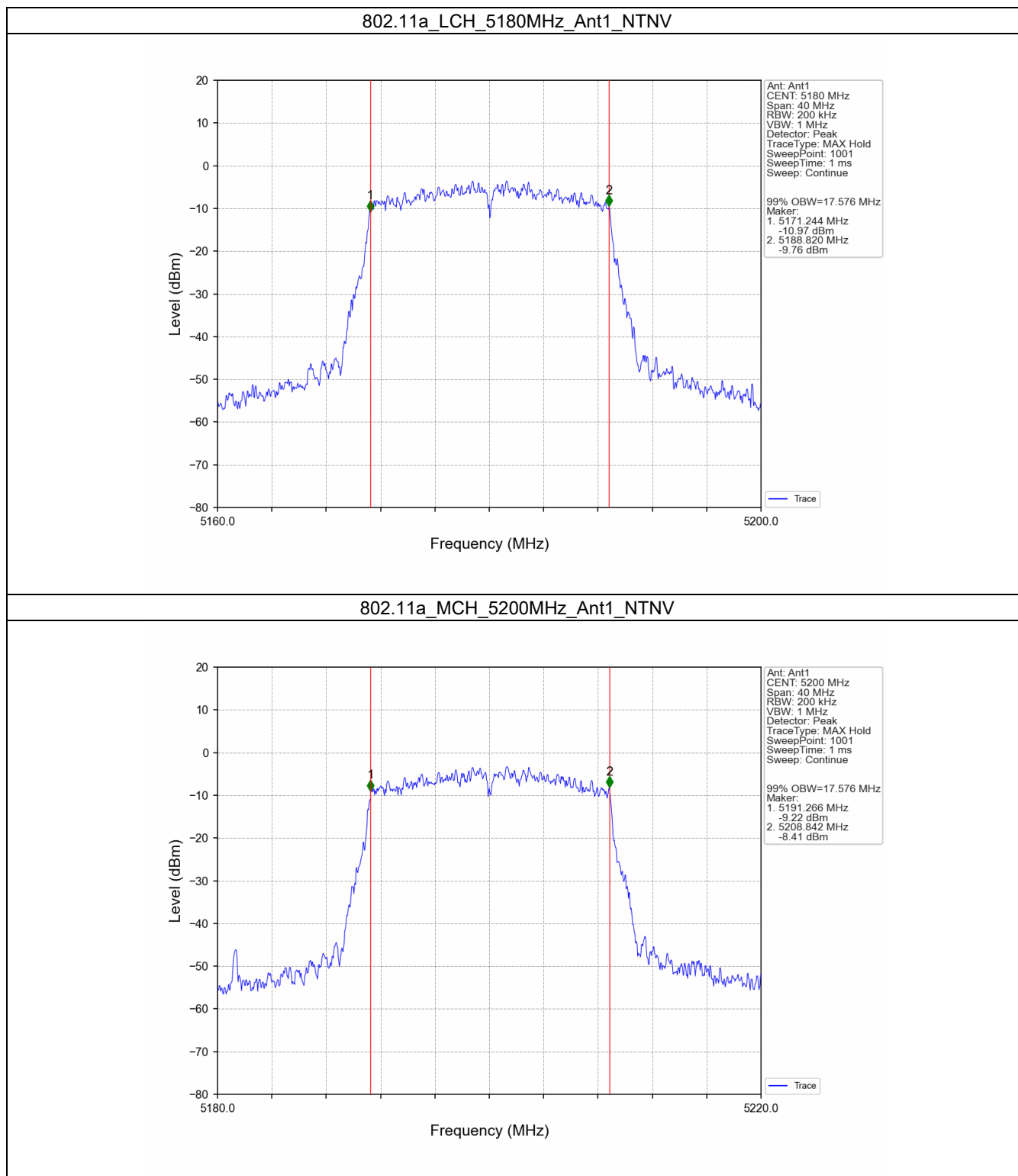
| Mode           | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-----|------------------------------|-------|---------|
|                |         |                 |     | Result                       | Limit |         |
| 802.11a        | SISO    | 5180            | 1   | 17.576                       | /     | Pass    |
|                |         | 5200            | 1   | 17.576                       | /     | Pass    |
|                |         | 5240            | 1   | 17.544                       | /     | Pass    |
| 802.11n (HT20) | SISO    | 5180            | 1   | 17.541                       | /     | Pass    |
|                |         | 5200            | 1   | 17.533                       | /     | Pass    |
|                |         | 5240            | 1   | 17.585                       | /     | Pass    |
| 802.11n (HT40) | SISO    | 5190            | 1   | 36.277                       | /     | Pass    |
|                |         | 5230            | 1   | 36.193                       | /     | Pass    |

#### 2.1.2 26dB BW

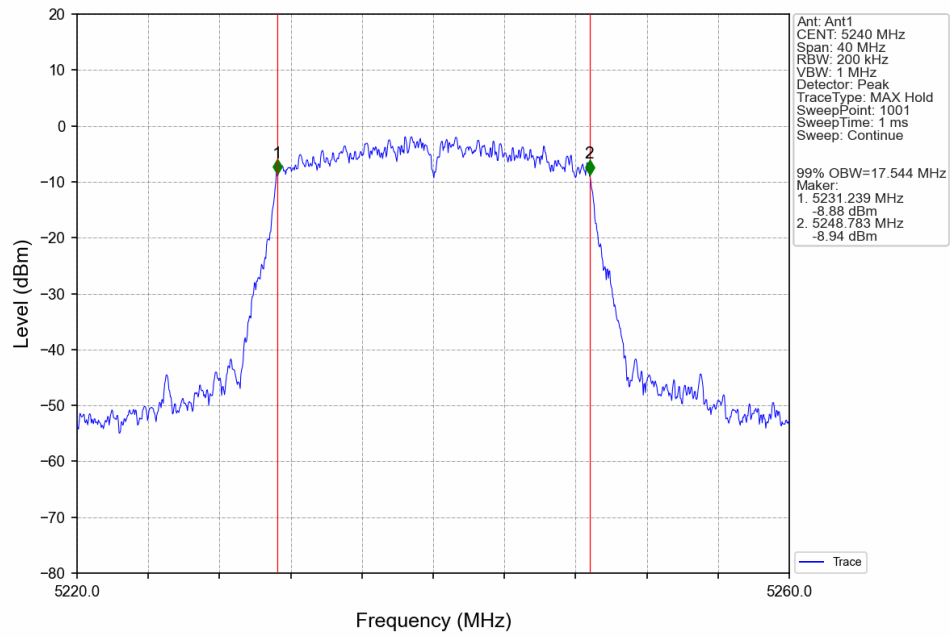
| Mode           | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-----|----------------------|-------|---------|
|                |         |                 |     | Result               | Limit |         |
| 802.11a        | SISO    | 5180            | 1   | 19.830               | /     | Pass    |
|                |         | 5200            | 1   | 19.757               | /     | Pass    |
|                |         | 5240            | 1   | 19.832               | /     | Pass    |
| 802.11n (HT20) | SISO    | 5180            | 1   | 19.757               | /     | Pass    |
|                |         | 5200            | 1   | 19.876               | /     | Pass    |
|                |         | 5240            | 1   | 19.846               | /     | Pass    |
| 802.11n (HT40) | SISO    | 5190            | 1   | 40.840               | /     | Pass    |
|                |         | 5230            | 1   | 40.638               | /     | Pass    |

## 2.2 Test Graph

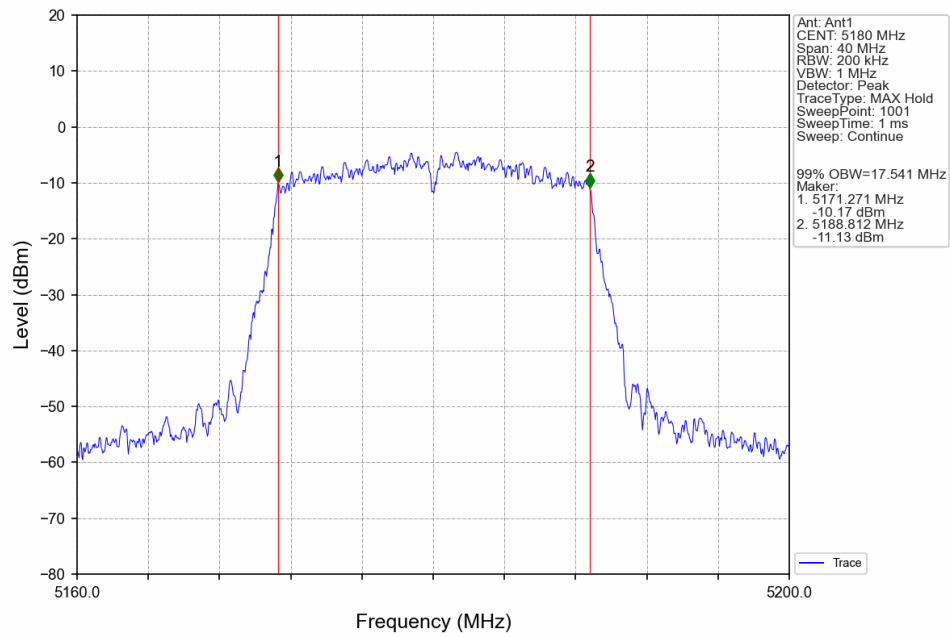
### 2.2.1 OBW



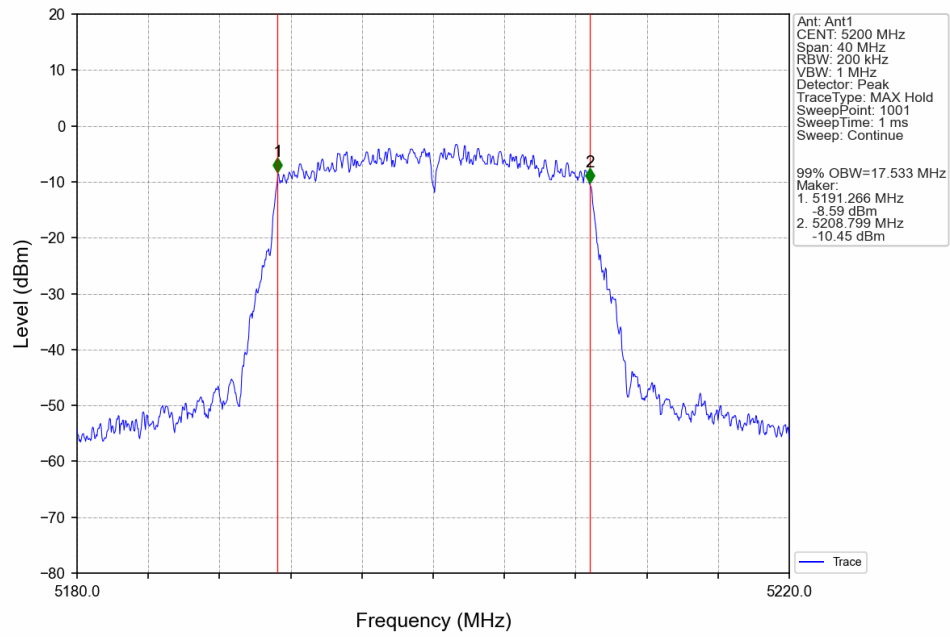
### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



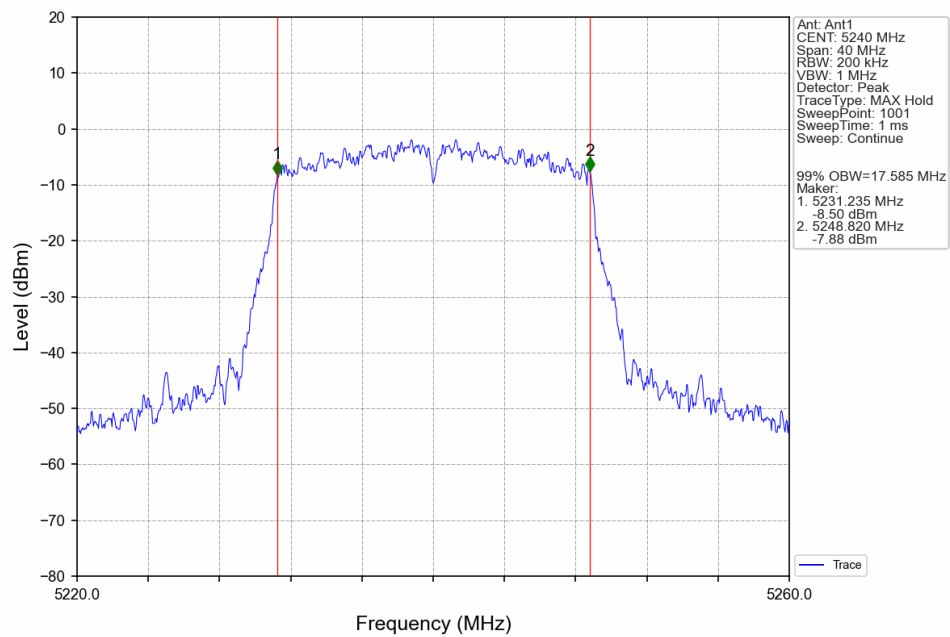
### 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



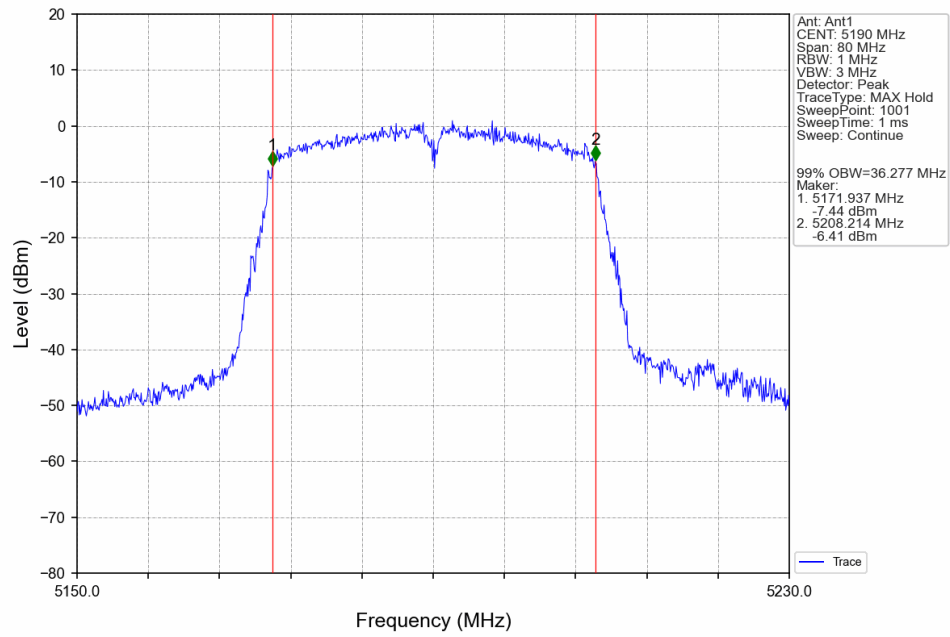
# 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



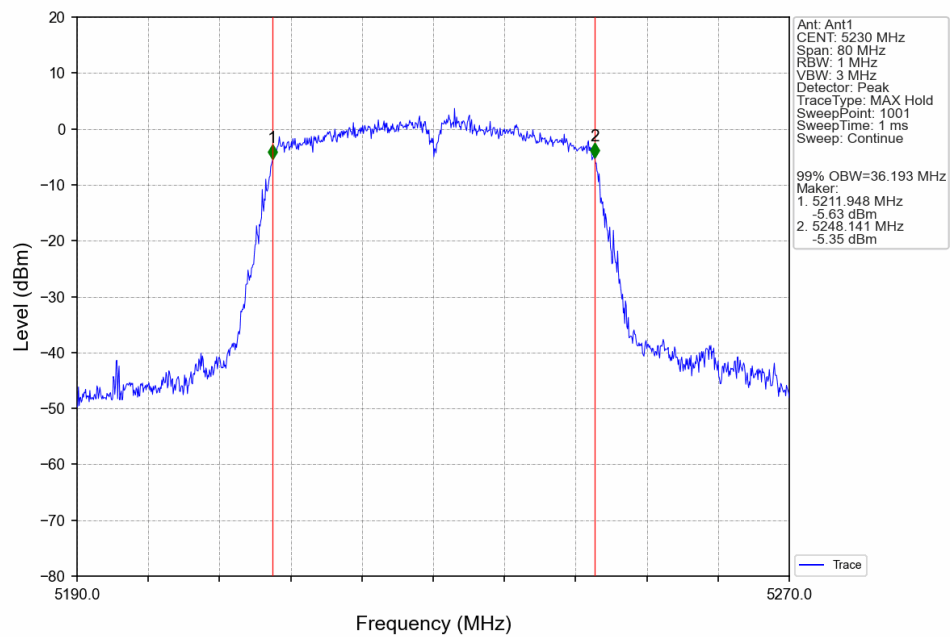
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



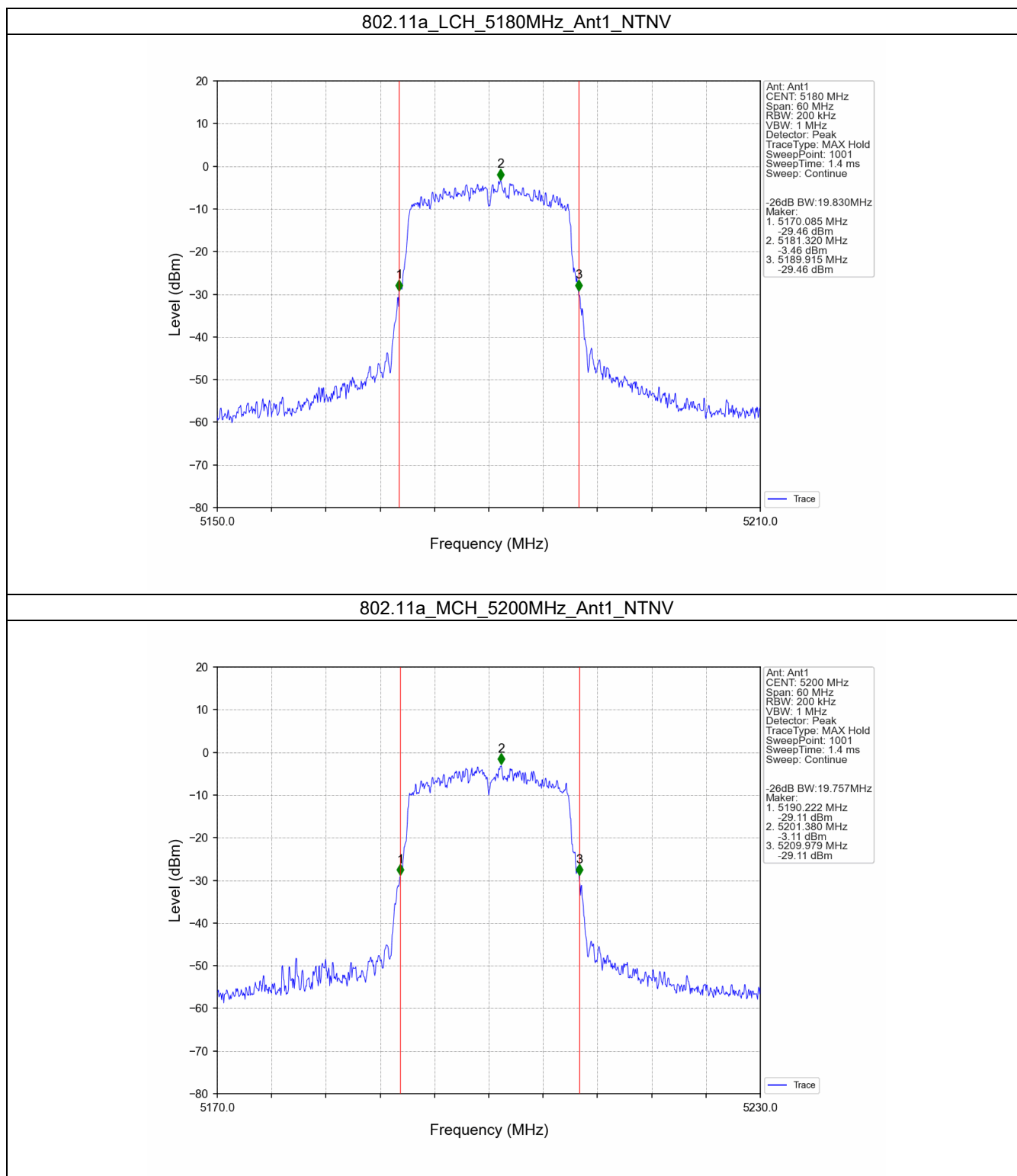
# 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



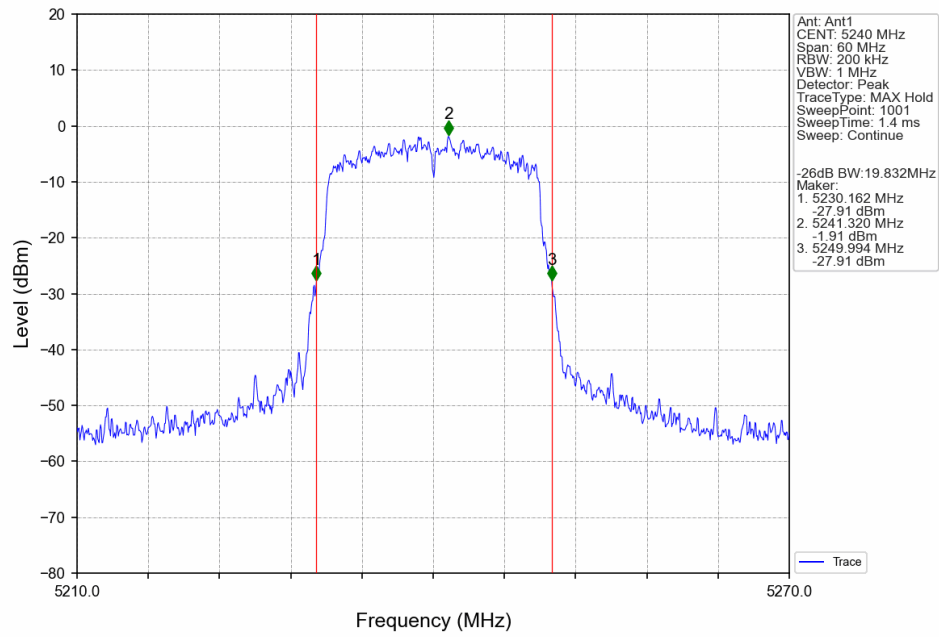
# 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



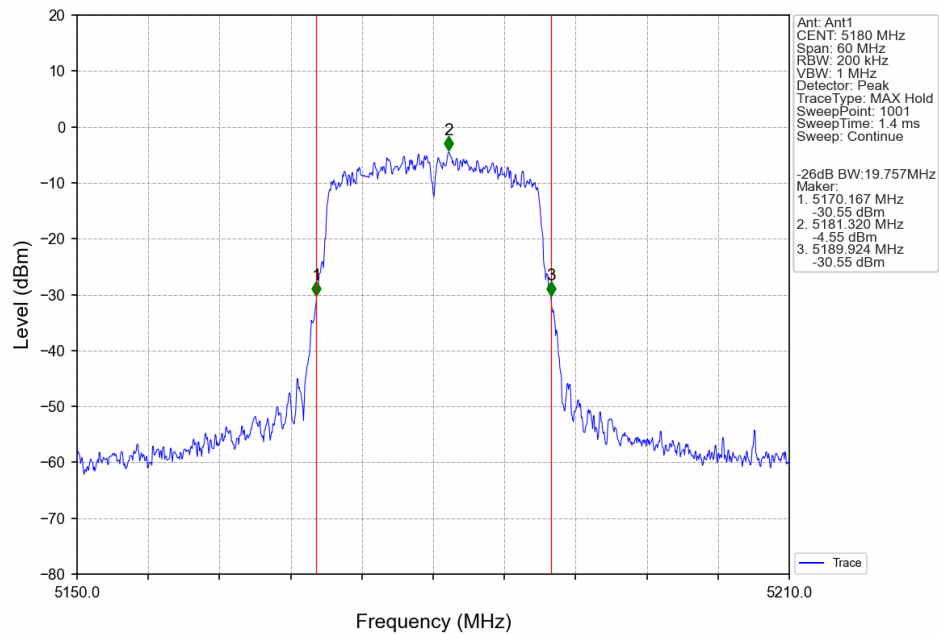
## 2.2.2 26dB BW



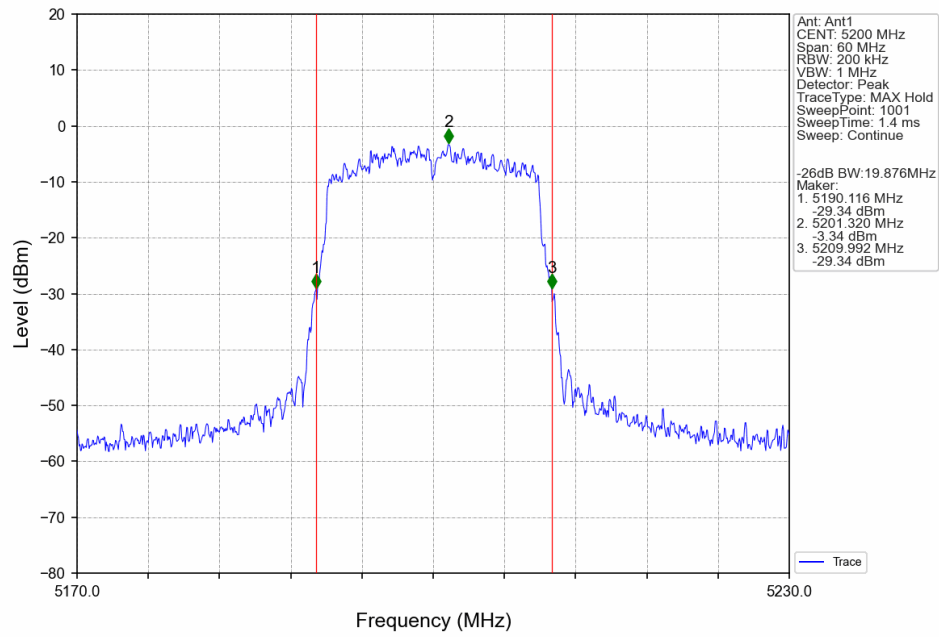
# 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



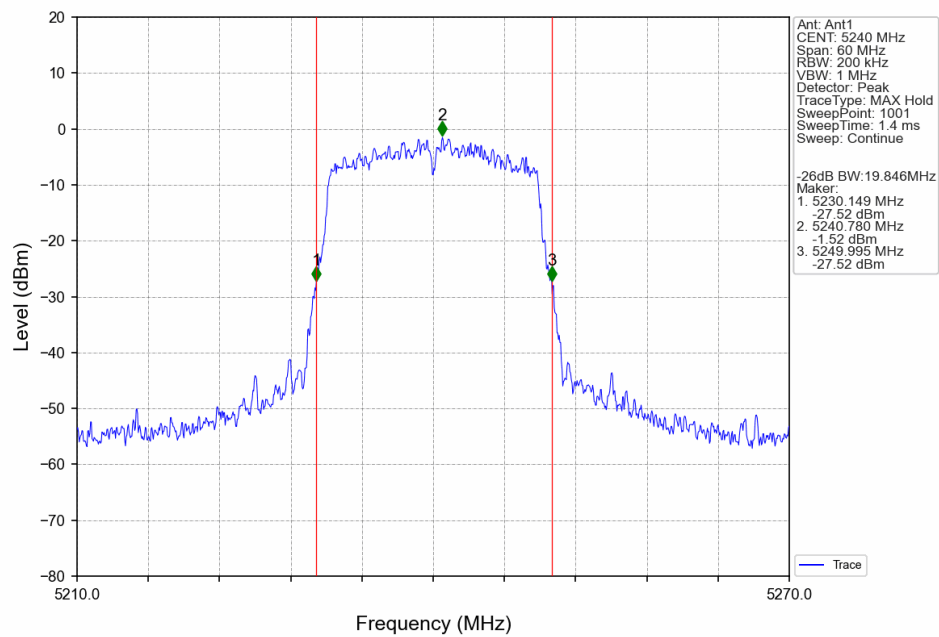
# 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



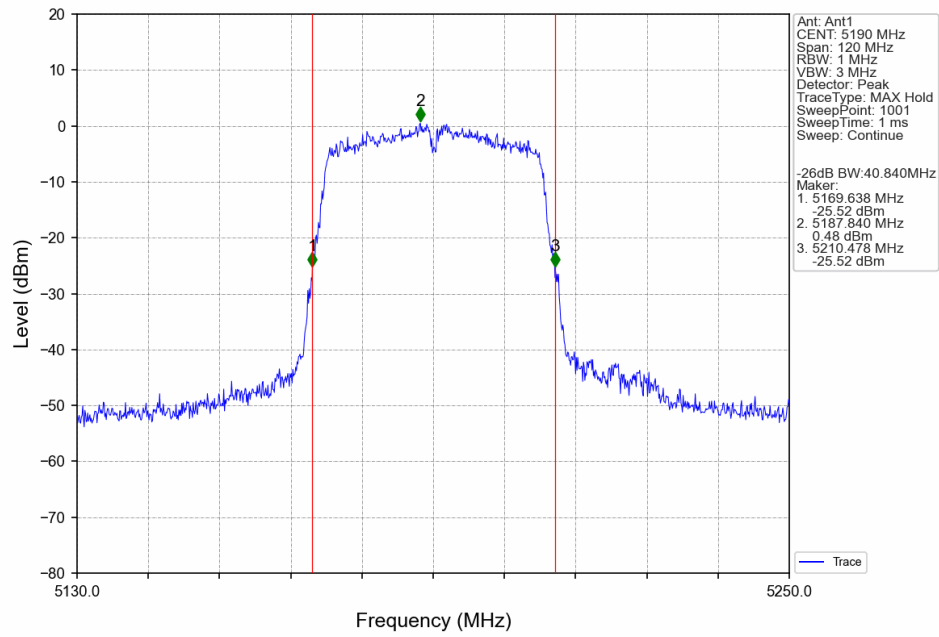
# 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



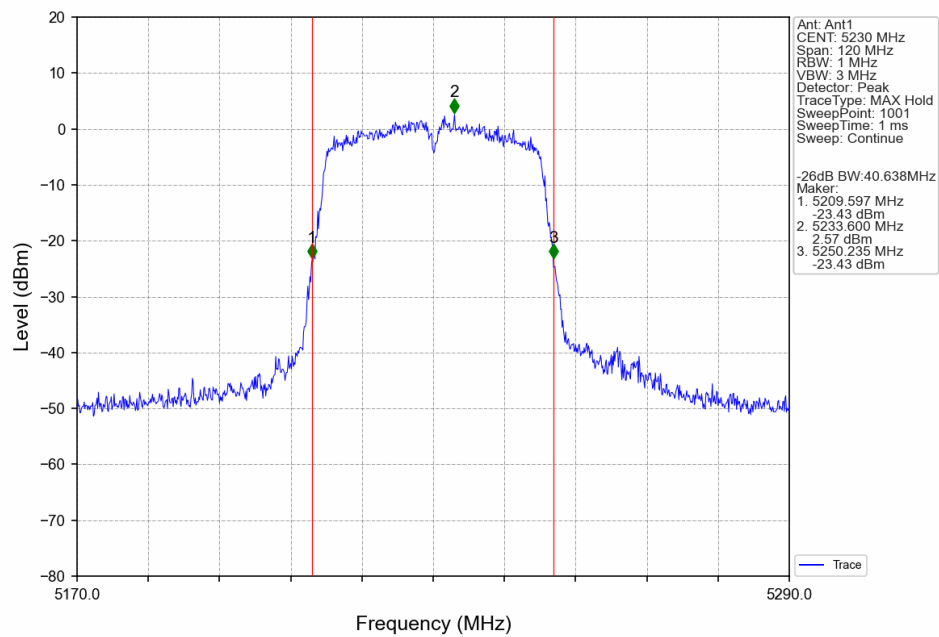
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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



### 3. Maximum Conducted Output Power

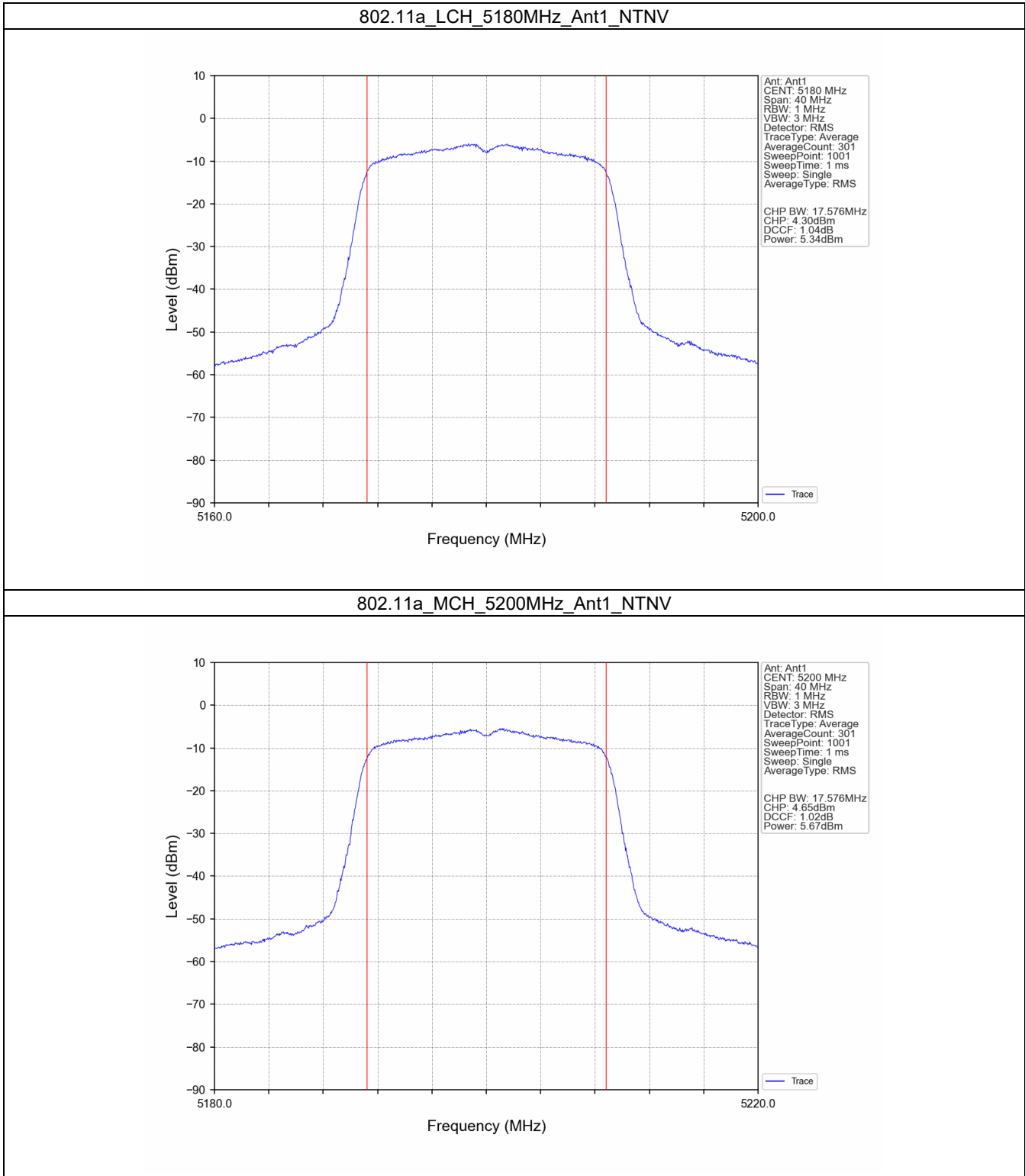
#### 3.1 Test Result

##### 3.1.1 Power

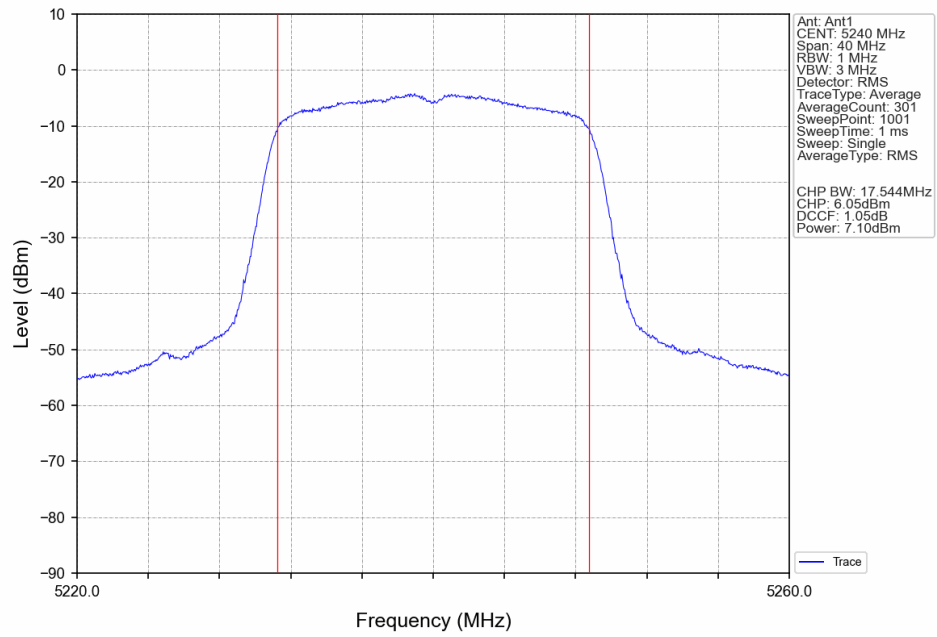
| Mode           | TX Type | Frequency (MHz) | Maximum Conducted Output Power (dBm) |         | Verdict |
|----------------|---------|-----------------|--------------------------------------|---------|---------|
|                |         |                 | ANT1                                 | Limit   |         |
| 802.11a        | SISO    | 5180            | 5.34                                 | <=23.98 | Pass    |
|                |         | 5200            | 5.67                                 | <=23.98 | Pass    |
|                |         | 5240            | 7.10                                 | <=23.98 | Pass    |
| 802.11n (HT20) | SISO    | 5180            | 4.40                                 | <=23.98 | Pass    |
|                |         | 5200            | 5.65                                 | <=23.98 | Pass    |
|                |         | 5240            | 7.33                                 | <=23.98 | Pass    |
| 802.11n (HT40) | SISO    | 5190            | 5.36                                 | <=23.98 | Pass    |
|                |         | 5230            | 7.18                                 | <=23.98 | Pass    |

3.2 Test Graph

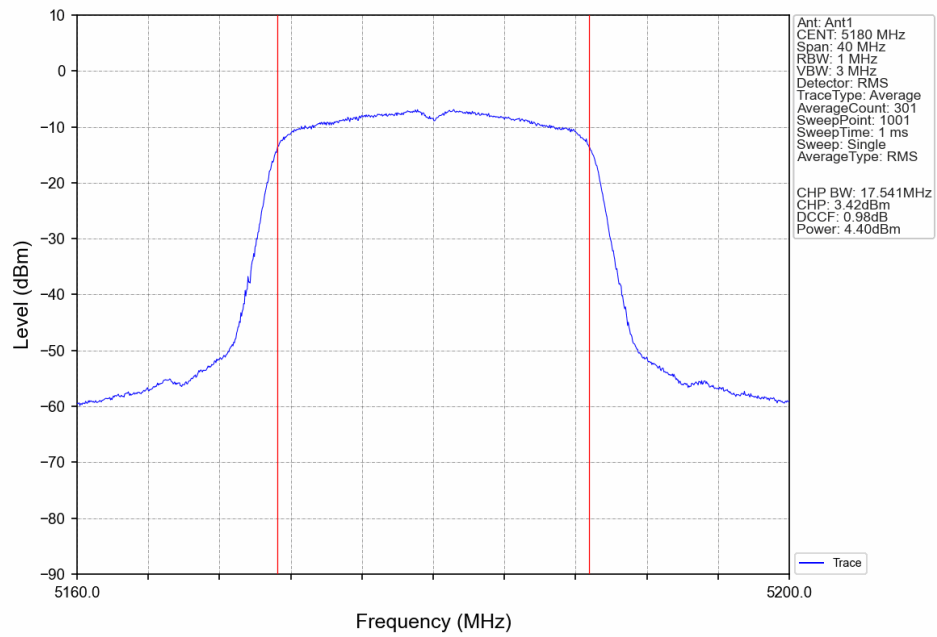
3.2.1 Power



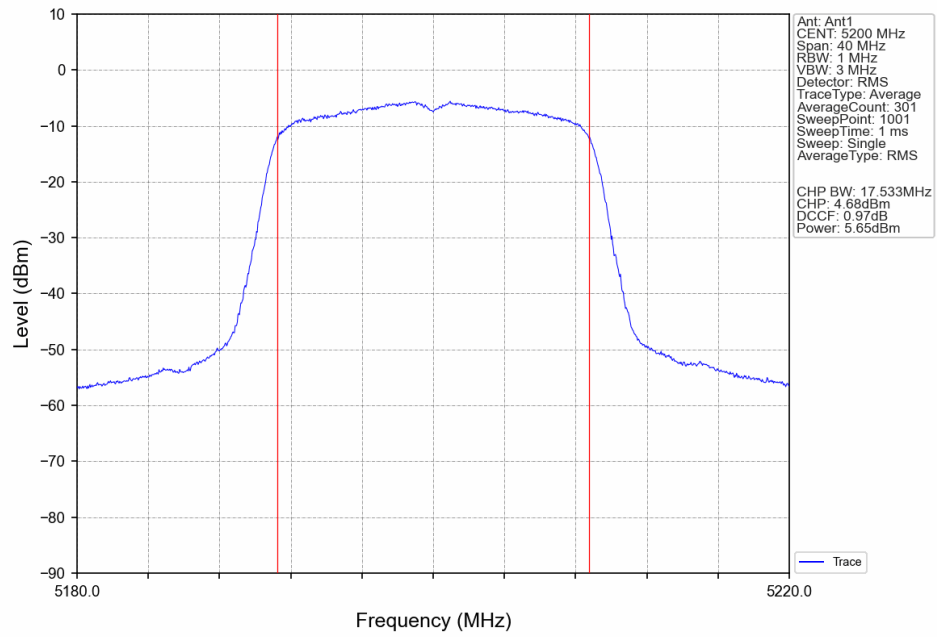
### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



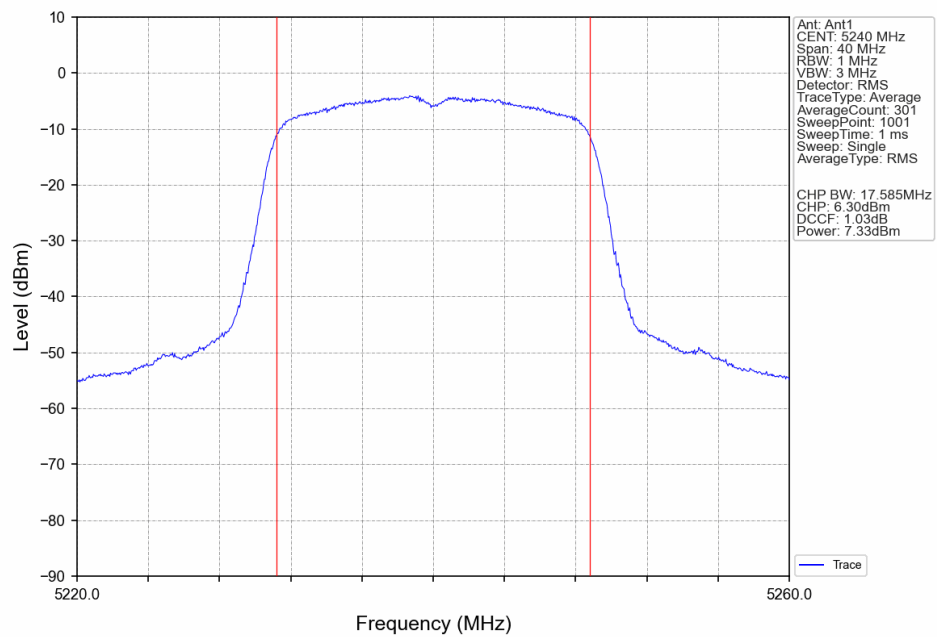
### 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



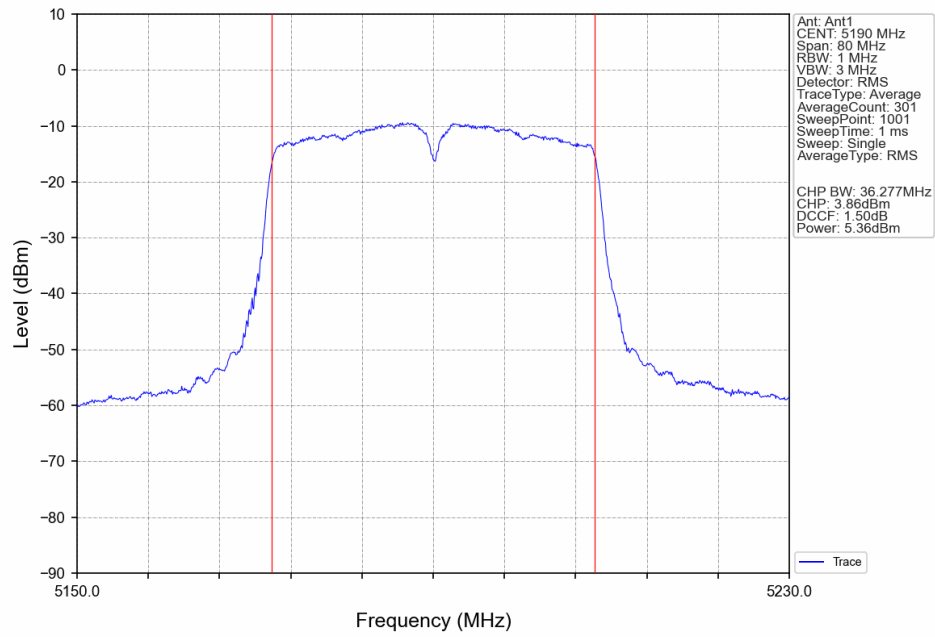
# 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



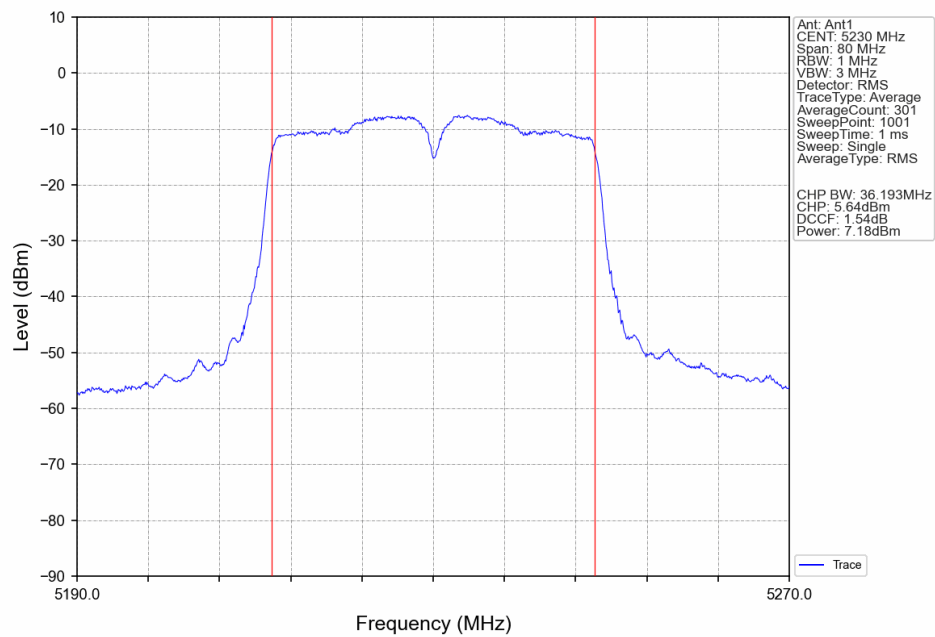
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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



## 4. Maximum Power Spectral Density

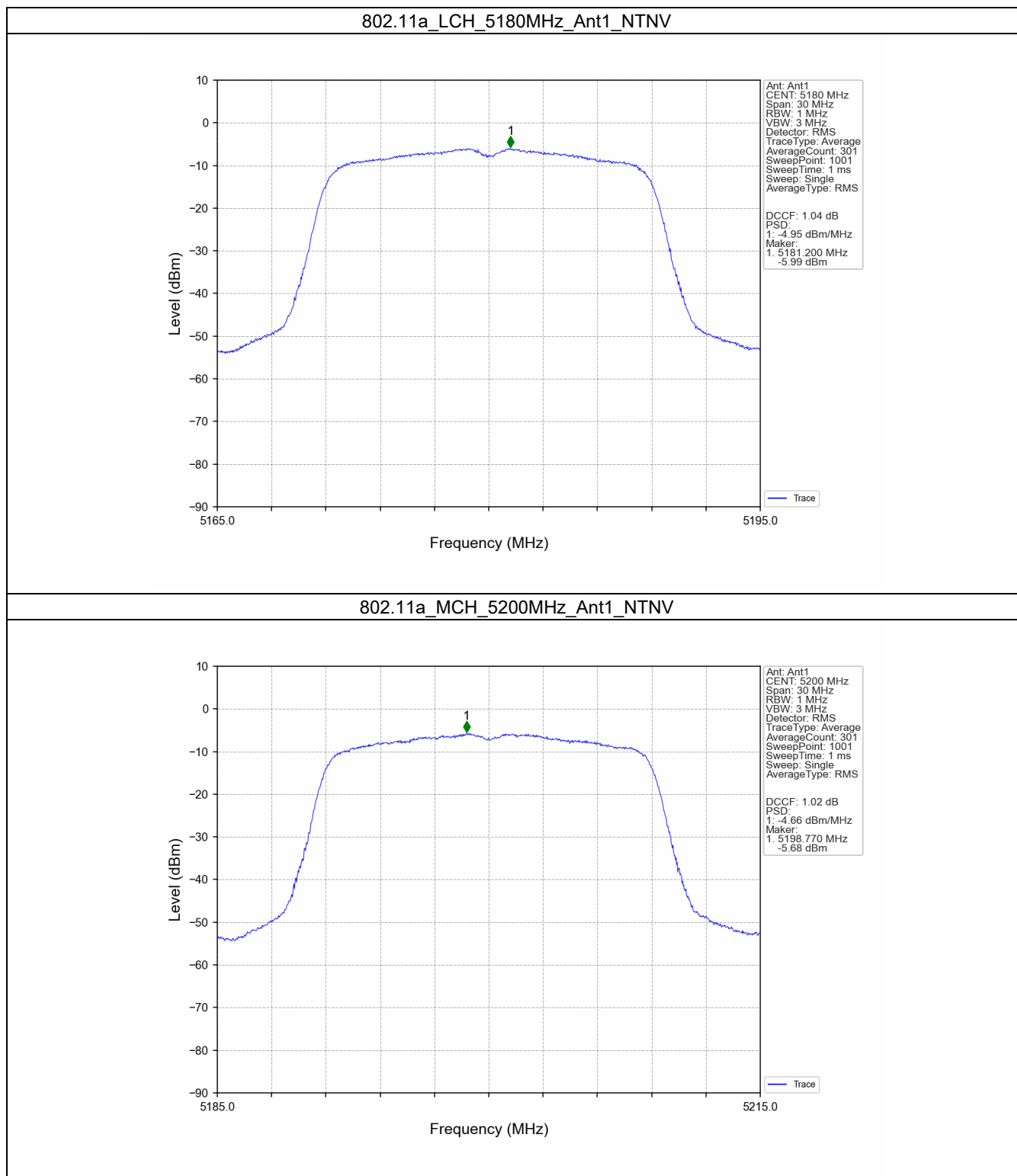
### 4.1 Test Result

#### 4.1.1 PSD

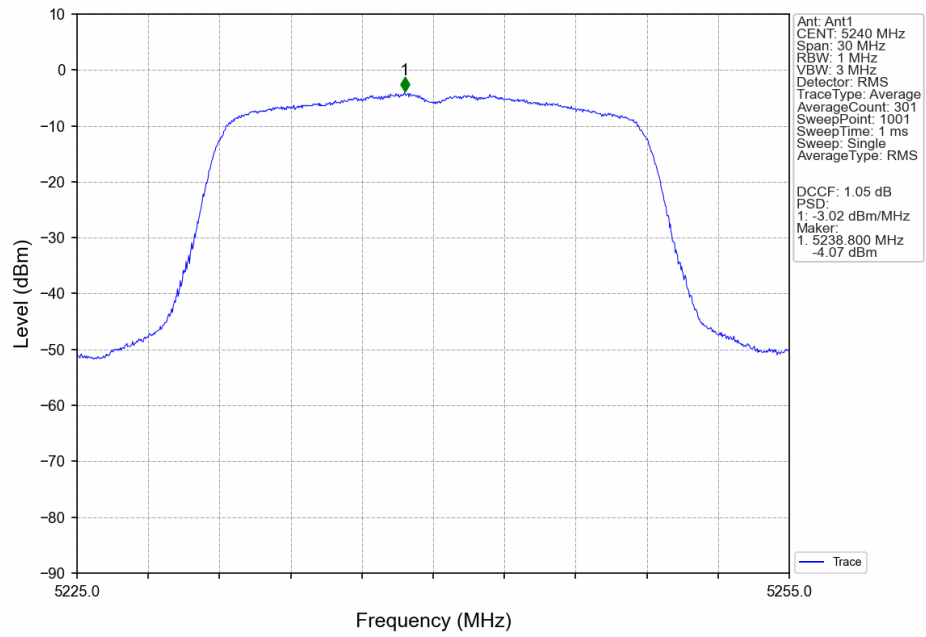
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/MHz) |       | Verdict |
|----------------|---------|-----------------|-----------------------|-------|---------|
|                |         |                 | ANT1                  | Limit |         |
| 802.11a        | SISO    | 5180            | -4.95                 | <=11  | Pass    |
|                |         | 5200            | -4.66                 | <=11  | Pass    |
|                |         | 5240            | -3.02                 | <=11  | Pass    |
| 802.11n (HT20) | SISO    | 5180            | -5.85                 | <=11  | Pass    |
|                |         | 5200            | -4.55                 | <=11  | Pass    |
|                |         | 5240            | -2.89                 | <=11  | Pass    |
| 802.11n (HT40) | SISO    | 5190            | -7.68                 | <=11  | Pass    |
|                |         | 5230            | -5.93                 | <=11  | Pass    |

## 4.2 Test Graph

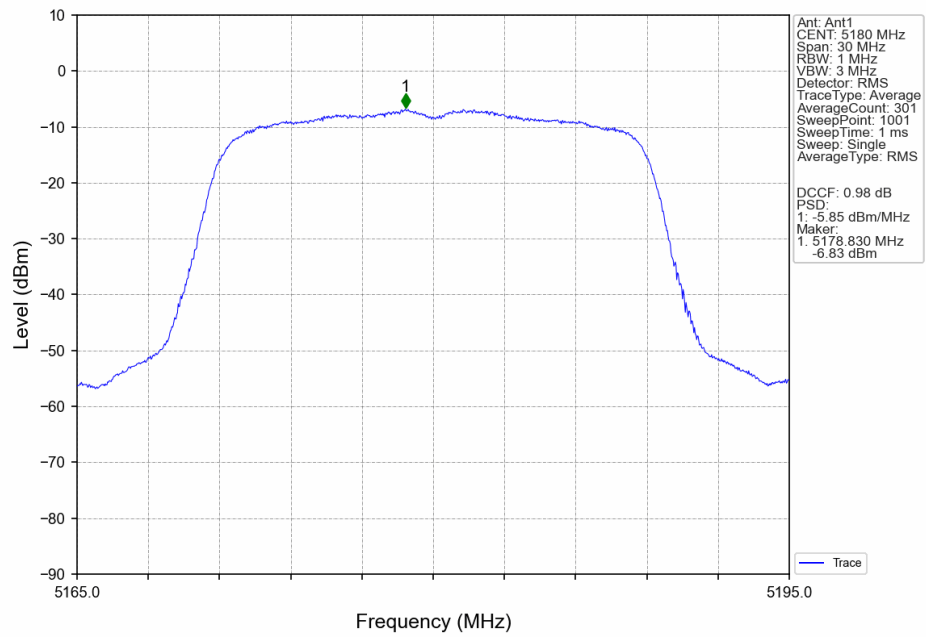
### 4.2.1 PSD



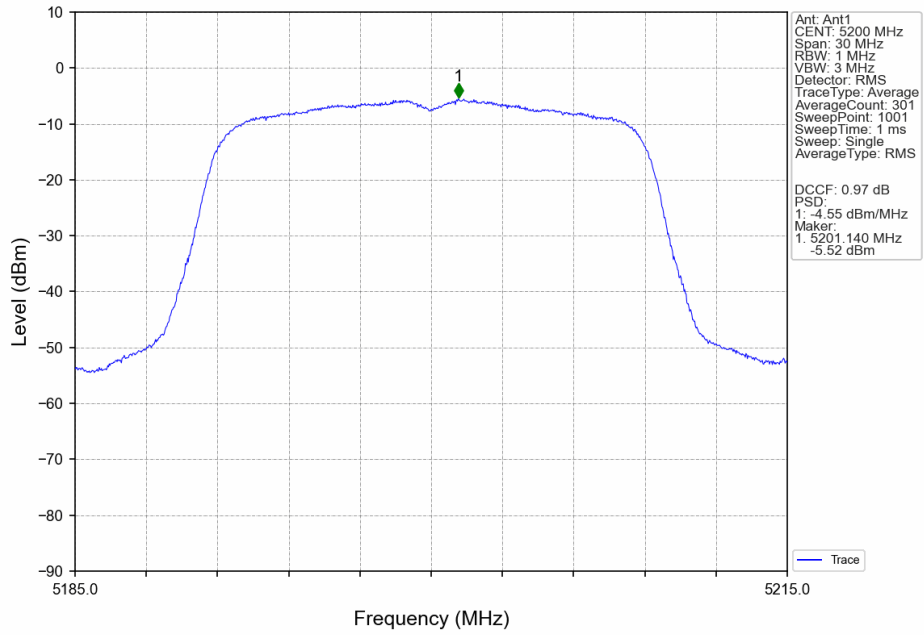
### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



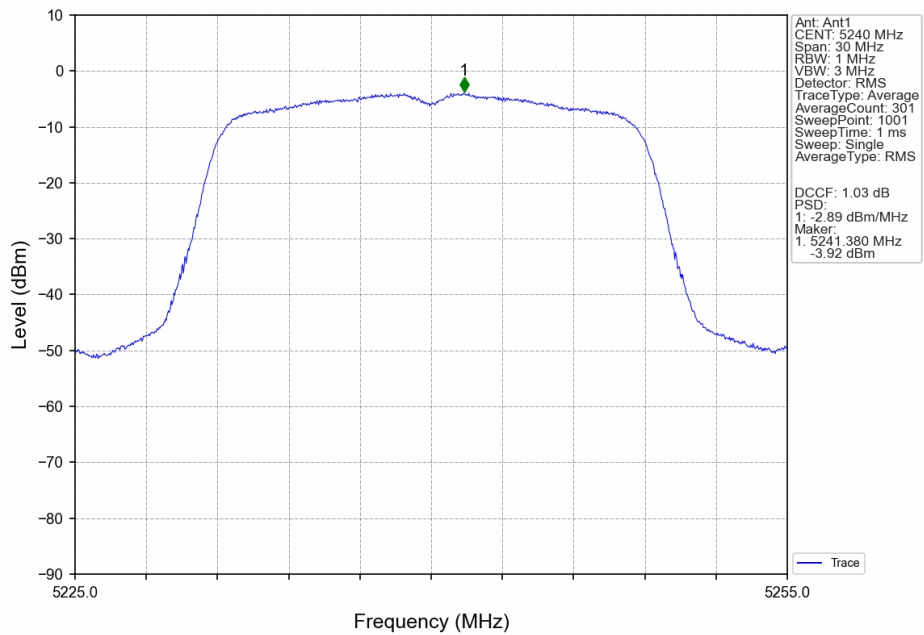
### 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



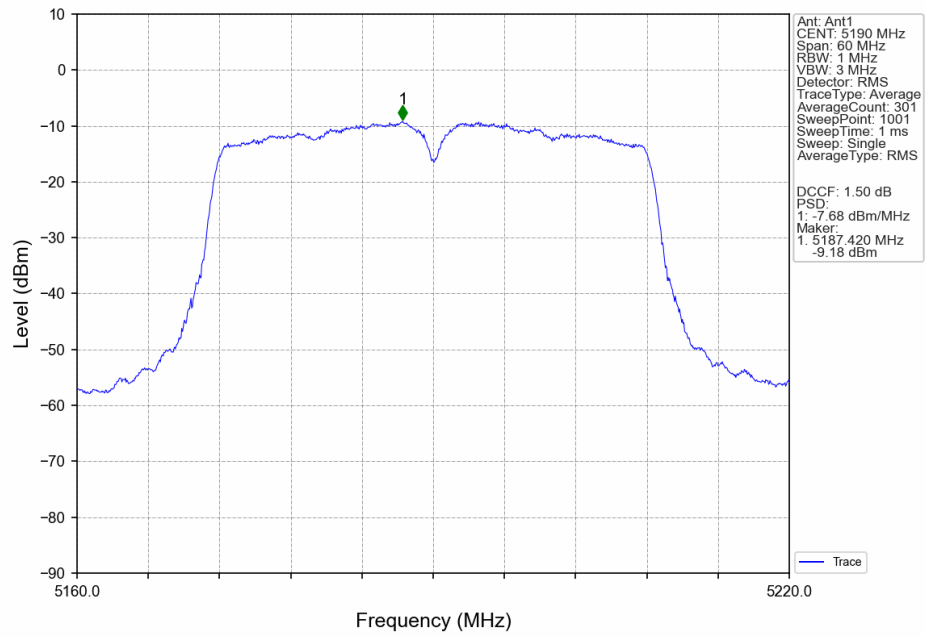
# 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



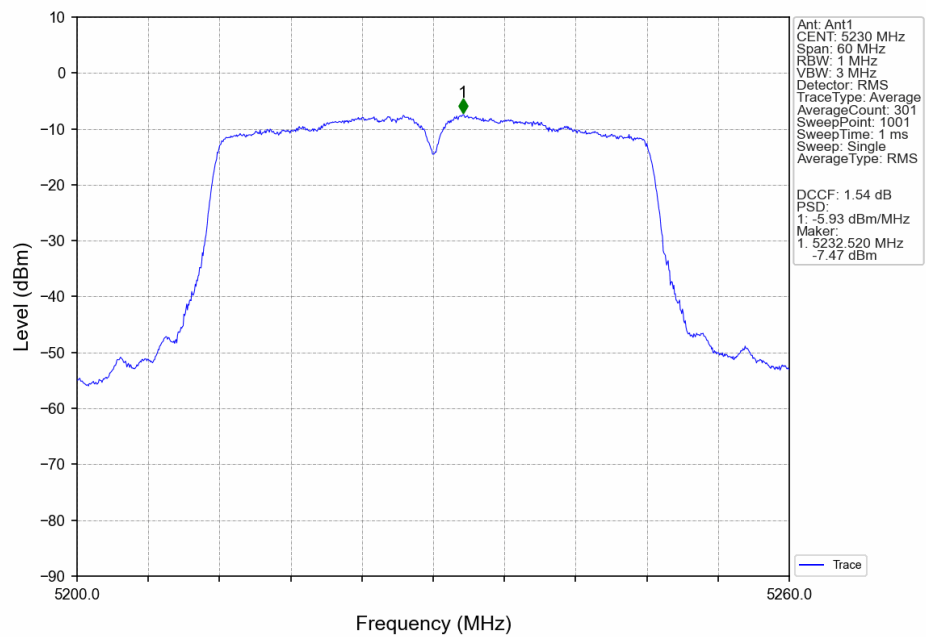
# 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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



## 5. Band Edge

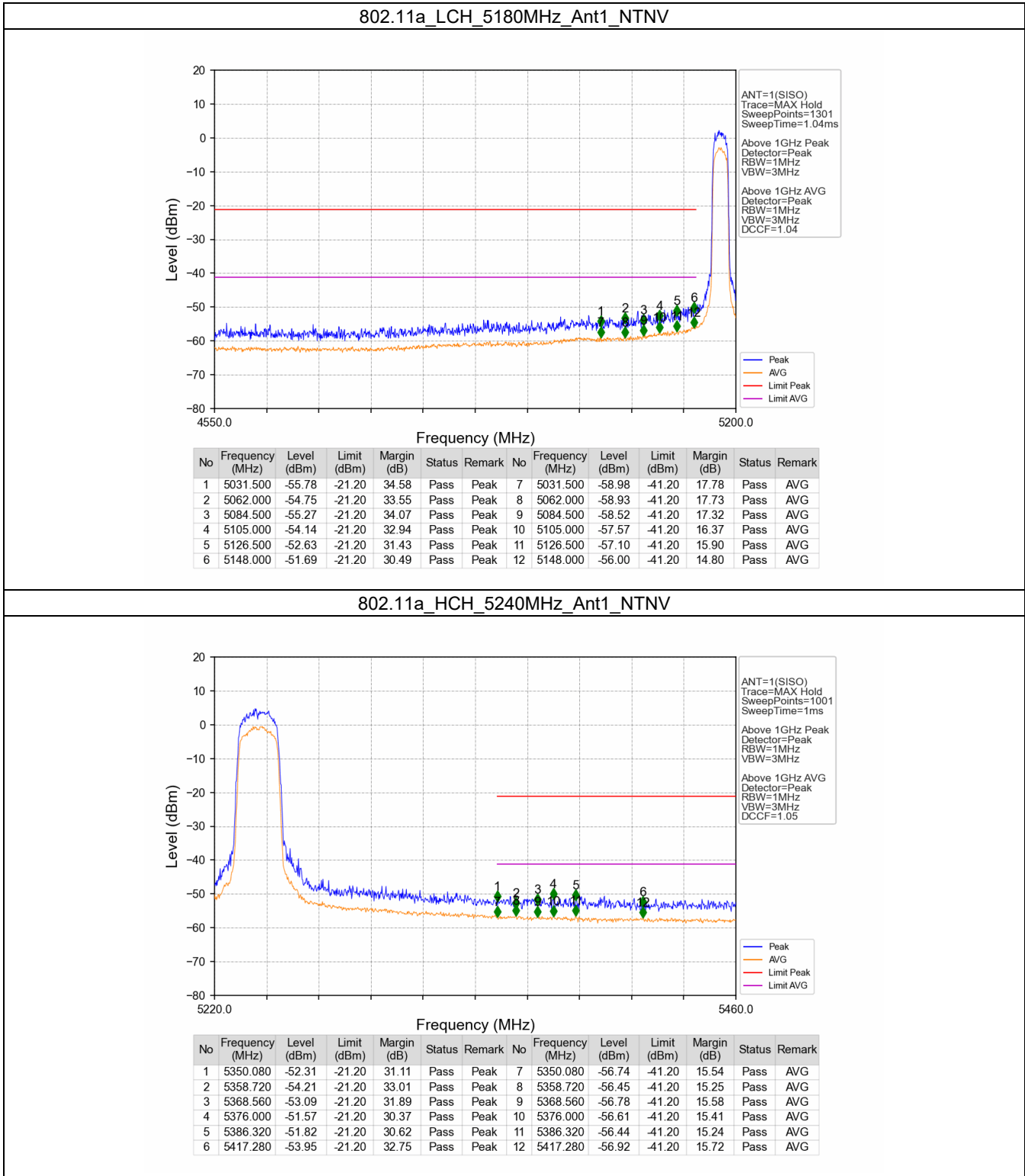
### 5.1 Test Result

#### 5.1.1 BandEdge

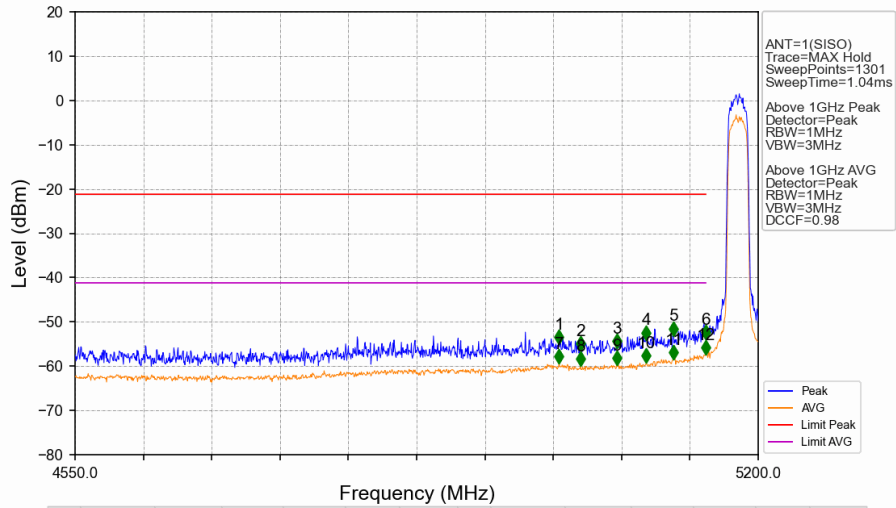
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Unwanted Emissions (dBm) |       | Verdict |
|----------------|---------|-----------------|-----|-----------------------------------|-------|---------|
|                |         |                 |     | Result                            | Limit |         |
| 802.11a        | SISO    | 5180            | 1   | Refer To Test Graph               |       | Pass    |
|                |         | 5240            | 1   | Refer To Test Graph               |       | Pass    |
| 802.11n (HT20) | SISO    | 5180            | 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    |

6.2 Test Graph

6.2.1 BandEdge

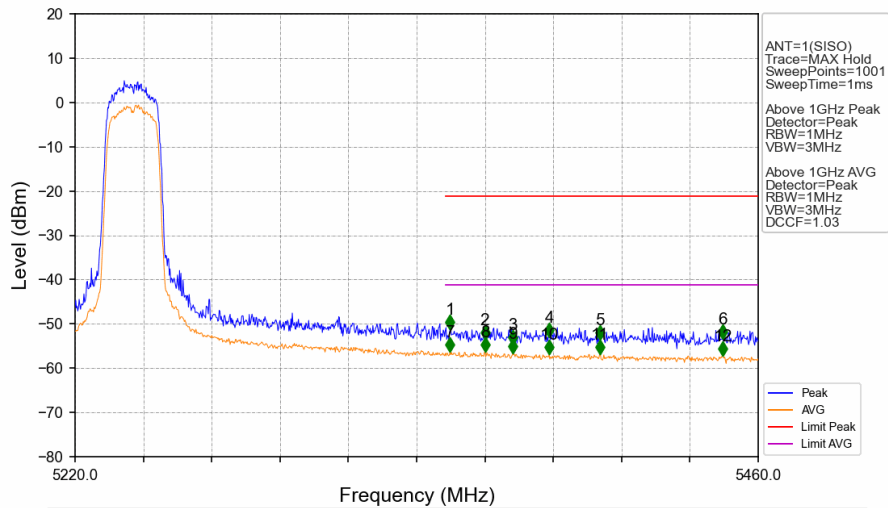


# 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



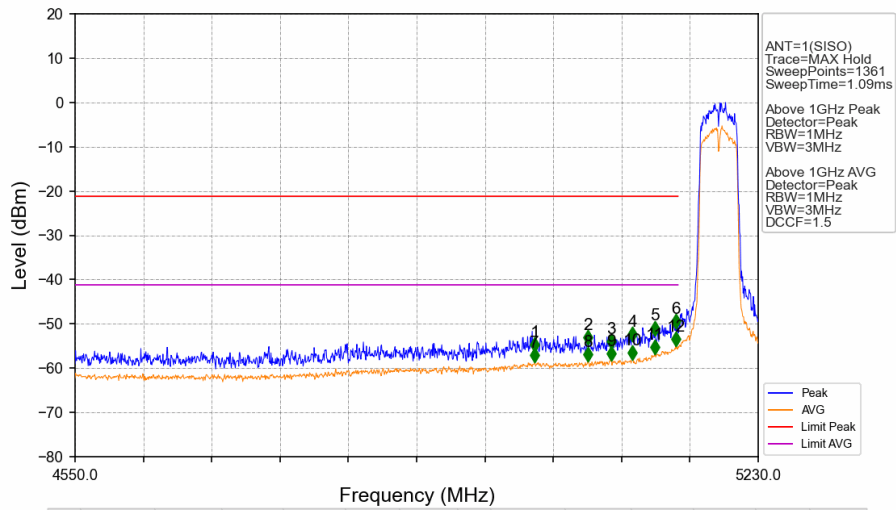
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5010.500        | -55.03      | -21.20      | 33.83       | Pass   | Peak   | 7  | 5010.500        | -59.41      | -41.20      | 18.21       | Pass   | AVG    |
| 2  | 5031.000        | -56.41      | -21.20      | 35.21       | Pass   | Peak   | 8  | 5031.000        | -59.84      | -41.20      | 18.64       | Pass   | AVG    |
| 3  | 5065.500        | -55.86      | -21.20      | 34.66       | Pass   | Peak   | 9  | 5065.500        | -59.66      | -41.20      | 18.46       | Pass   | AVG    |
| 4  | 5093.500        | -53.99      | -21.20      | 32.79       | Pass   | Peak   | 10 | 5093.500        | -59.18      | -41.20      | 17.98       | Pass   | AVG    |
| 5  | 5119.500        | -53.08      | -21.20      | 31.88       | Pass   | Peak   | 11 | 5119.500        | -58.43      | -41.20      | 17.23       | Pass   | AVG    |
| 6  | 5150.000        | -53.95      | -21.20      | 32.75       | Pass   | Peak   | 12 | 5150.000        | -57.40      | -41.20      | 16.20       | Pass   | AVG    |

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



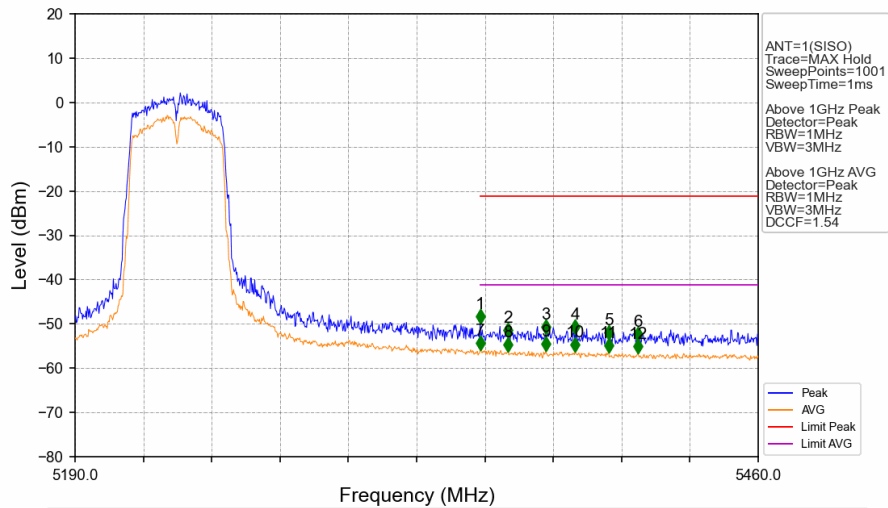
| No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark | No | Frequency (MHz) | Level (dBm) | Limit (dBm) | Margin (dB) | Status | Remark |
|----|-----------------|-------------|-------------|-------------|--------|--------|----|-----------------|-------------|-------------|-------------|--------|--------|
| 1  | 5351.760        | -51.15      | -21.20      | 29.95       | Pass   | Peak   | 7  | 5351.760        | -56.35      | -41.20      | 15.15       | Pass   | AVG    |
| 2  | 5364.000        | -53.48      | -21.20      | 32.28       | Pass   | Peak   | 8  | 5364.000        | -56.27      | -41.20      | 15.07       | Pass   | AVG    |
| 3  | 5373.840        | -54.57      | -21.20      | 33.37       | Pass   | Peak   | 9  | 5373.840        | -56.71      | -41.20      | 15.51       | Pass   | AVG    |
| 4  | 5386.560        | -53.05      | -21.20      | 31.85       | Pass   | Peak   | 10 | 5386.560        | -56.78      | -41.20      | 15.58       | Pass   | AVG    |
| 5  | 5404.320        | -53.48      | -21.20      | 32.28       | Pass   | Peak   | 11 | 5404.320        | -56.82      | -41.20      | 15.62       | Pass   | AVG    |
| 6  | 5447.520        | -53.35      | -21.20      | 32.15       | Pass   | Peak   | 12 | 5447.520        | -57.25      | -41.20      | 16.05       | 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  | 5007.500        | -56.23      | -21.20      | 35.03       | Pass   | Peak   | 7  | 5007.500        | -58.70      | -41.20      | 17.50       | Pass   | AVG    |
| 2  | 5060.500        | -54.59      | -21.20      | 33.39       | Pass   | Peak   | 8  | 5060.500        | -58.53      | -41.20      | 17.33       | Pass   | AVG    |
| 3  | 5083.500        | -55.61      | -21.20      | 34.41       | Pass   | Peak   | 9  | 5083.500        | -58.25      | -41.20      | 17.05       | Pass   | AVG    |
| 4  | 5105.000        | -53.83      | -21.20      | 32.63       | Pass   | Peak   | 10 | 5105.000        | -58.06      | -41.20      | 16.86       | Pass   | AVG    |
| 5  | 5127.000        | -52.54      | -21.20      | 31.34       | Pass   | Peak   | 11 | 5127.000        | -56.87      | -41.20      | 15.67       | Pass   | AVG    |
| 6  | 5148.000        | -51.04      | -21.20      | 29.84       | Pass   | Peak   | 12 | 5148.000        | -55.03      | -41.20      | 13.83       | Pass   | AVG    |

# 802.11n(HT40)\_HCH\_5230MHz\_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  | 5350.110        | -49.98      | -21.20      | 28.78       | Pass   | Peak   | 7  | 5350.110        | -55.82      | -41.20      | 14.62       | Pass   | AVG    |
| 2  | 5361.180        | -53.00      | -21.20      | 31.80       | Pass   | Peak   | 8  | 5361.180        | -56.24      | -41.20      | 15.04       | Pass   | AVG    |
| 3  | 5376.030        | -52.34      | -21.20      | 31.14       | Pass   | Peak   | 9  | 5376.030        | -56.10      | -41.20      | 14.90       | Pass   | AVG    |
| 4  | 5387.640        | -52.24      | -21.20      | 31.04       | Pass   | Peak   | 10 | 5387.640        | -56.29      | -41.20      | 15.09       | Pass   | AVG    |
| 5  | 5400.870        | -53.56      | -21.20      | 32.36       | Pass   | Peak   | 11 | 5400.870        | -56.42      | -41.20      | 15.22       | Pass   | AVG    |
| 6  | 5412.480        | -53.93      | -21.20      | 32.73       | Pass   | Peak   | 12 | 5412.480        | -56.69      | -41.20      | 15.49       | Pass   | AVG    |