

## Appendix D

### RF Test Data for 5.2G WLAN (Conducted Measurement)

Product Name: Vivi Wireless Presentation

Trade Mark: Vivi

Test Model: VWP-200-16

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 23.2°C      |
| Relative Humidity: | 53.3%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | Diamond.Lu  |
| Supervised by:     | Wang Chuang |

#### D.1 Duty Cycle

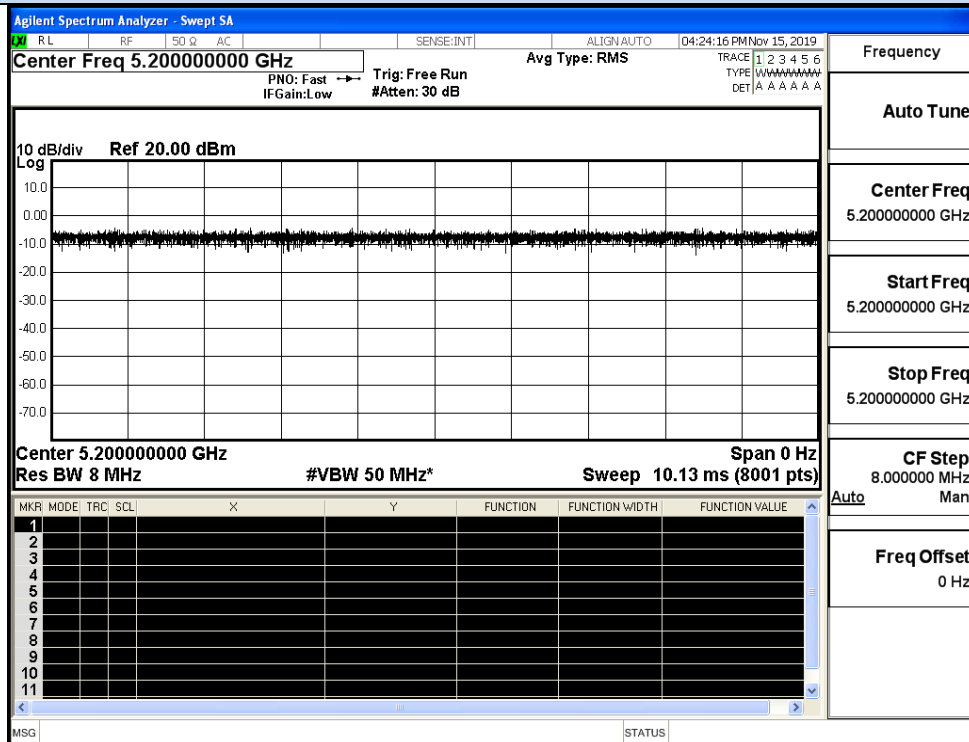
##### Ant\_0

| Test Mode | Test Frequency (MHz) | Duty Cycle (%) | 10log(1/x) Factor (dB) | 1/B Minimum VBW(KHz) |
|-----------|----------------------|----------------|------------------------|----------------------|
| 11A       | 5200                 | 100            | 0.00                   | 0.01                 |
| 11N20     | 5200                 | 100            | 0.00                   | 0.01                 |
| 11N40     | 5190                 | 100            | 0.00                   | 0.01                 |
| 11AC20    | 5200                 | 100            | 0.00                   | 0.01                 |
| 11AC40    | 5190                 | 100            | 0.00                   | 0.01                 |
| 11AC80    | 5210                 | 100            | 0.00                   | 0.01                 |

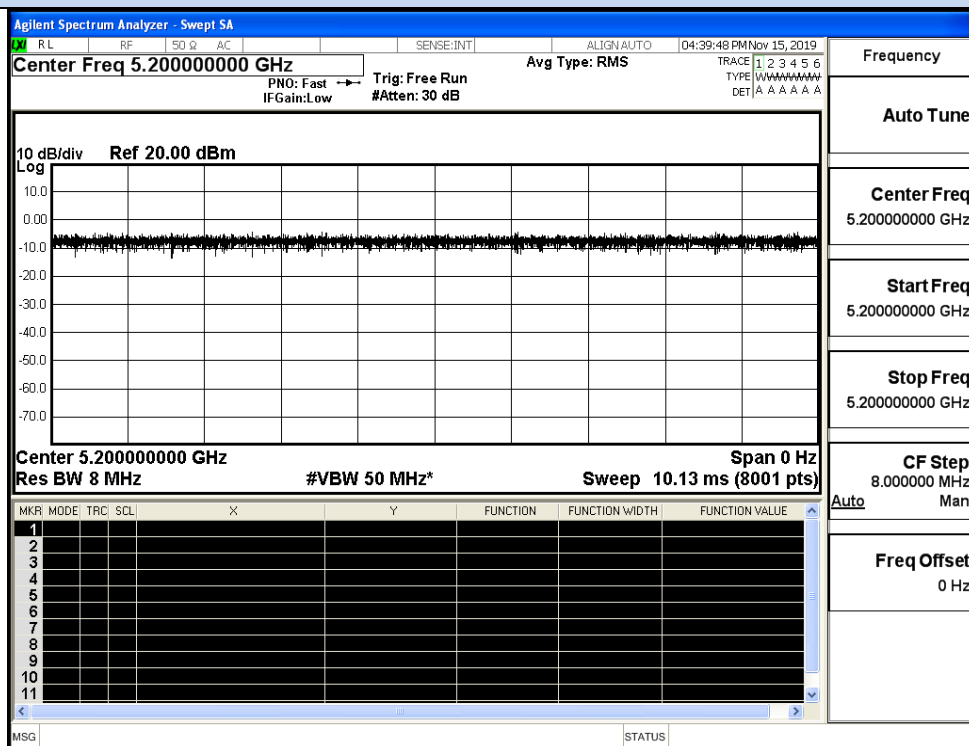
##### Ant\_1

| Test Mode | Test Frequency (MHz) | Duty Cycle (%) | 10log(1/x) Factor (dB) | 1/B Minimum VBW(KHz) |
|-----------|----------------------|----------------|------------------------|----------------------|
| 11A       | 5200                 | 100            | 0.00                   | 0.01                 |
| 11N20     | 5200                 | 100            | 0.00                   | 0.01                 |
| 11N40     | 5190                 | 100            | 0.00                   | 0.01                 |
| 11AC20    | 5200                 | 100            | 0.00                   | 0.01                 |
| 11AC40    | 5190                 | 100            | 0.00                   | 0.01                 |
| 11AC80    | 5210                 | 100            | 0.00                   | 0.01                 |

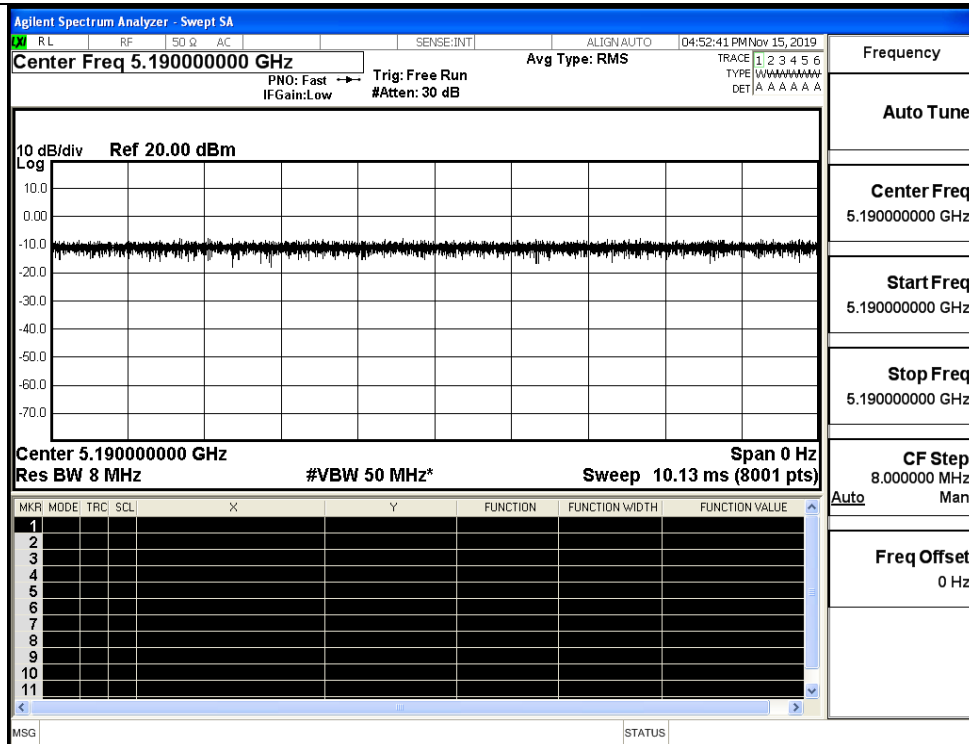
## On Time and Duty Cycle\_Ant\_0



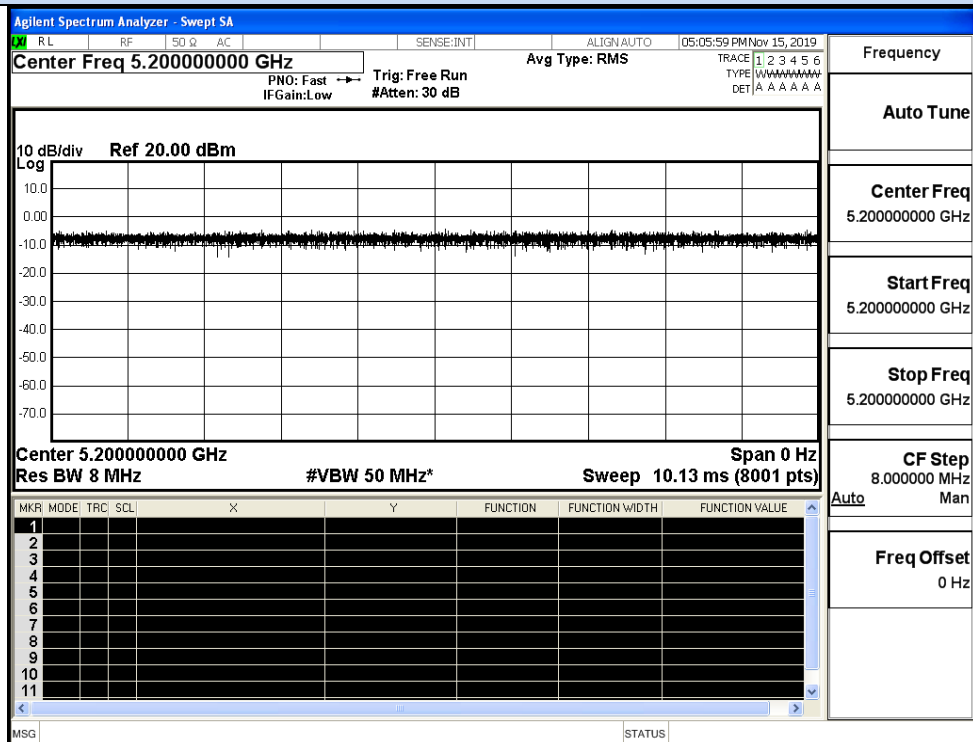
## IEEE 802.11a



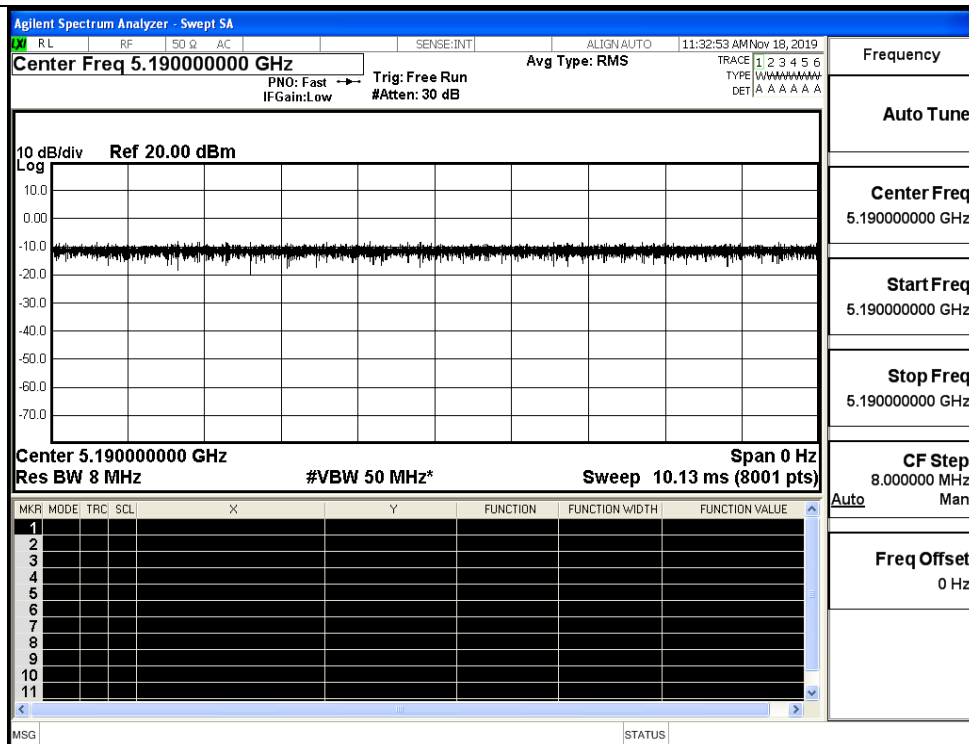
## IEEE 802.11n HT20



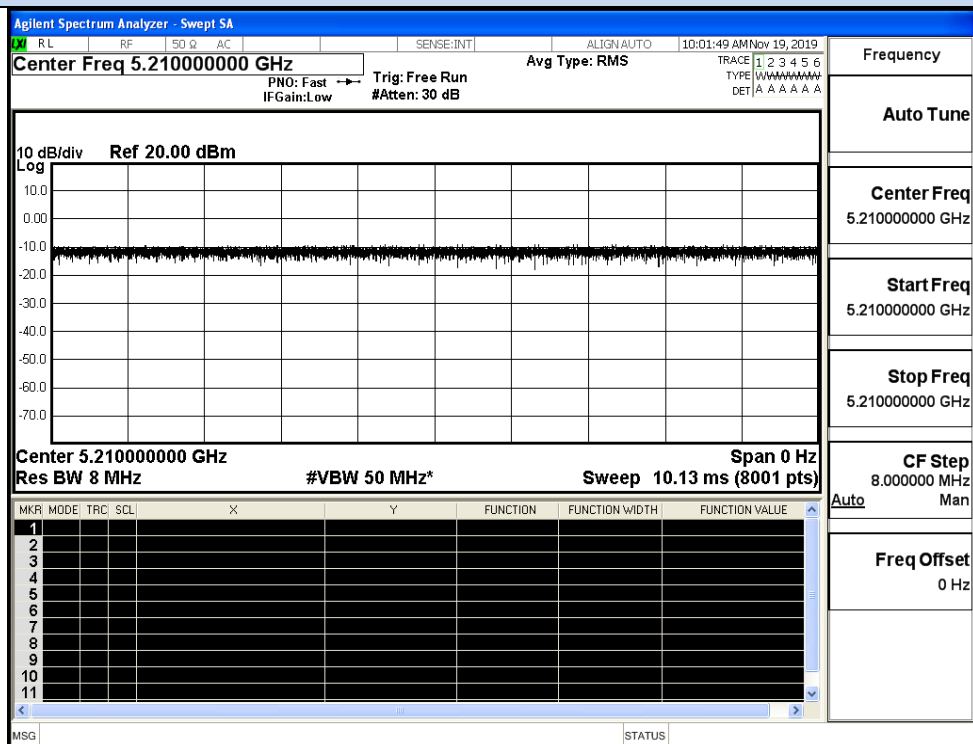
## IEEE 802.11n HT40



## IEEE 802.11AC20

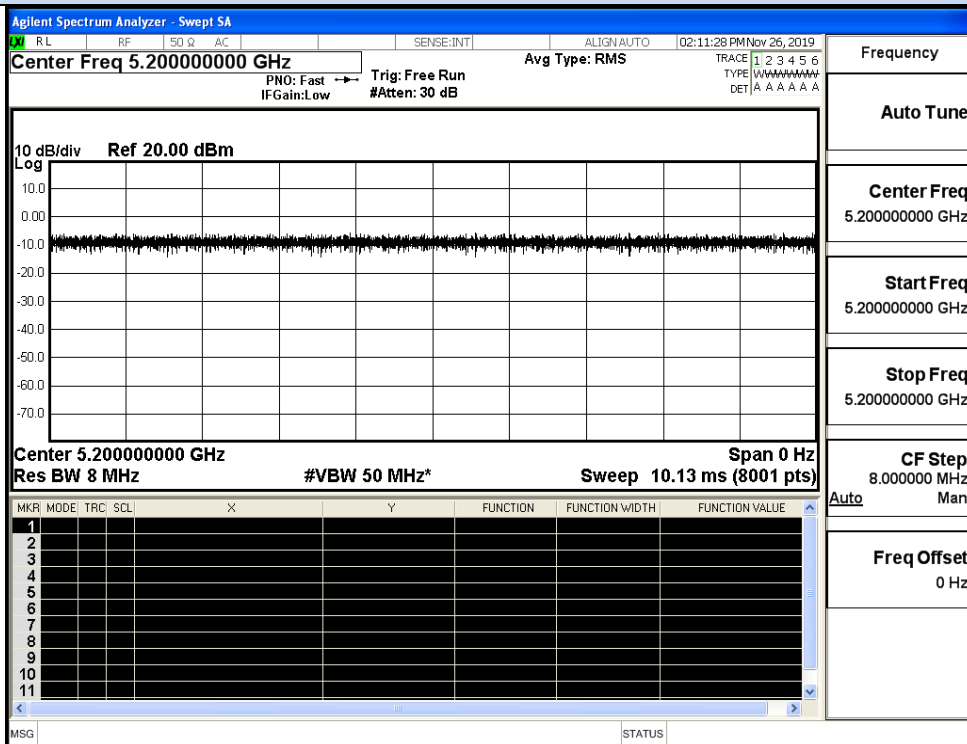


## IEEE 802.11 AC40

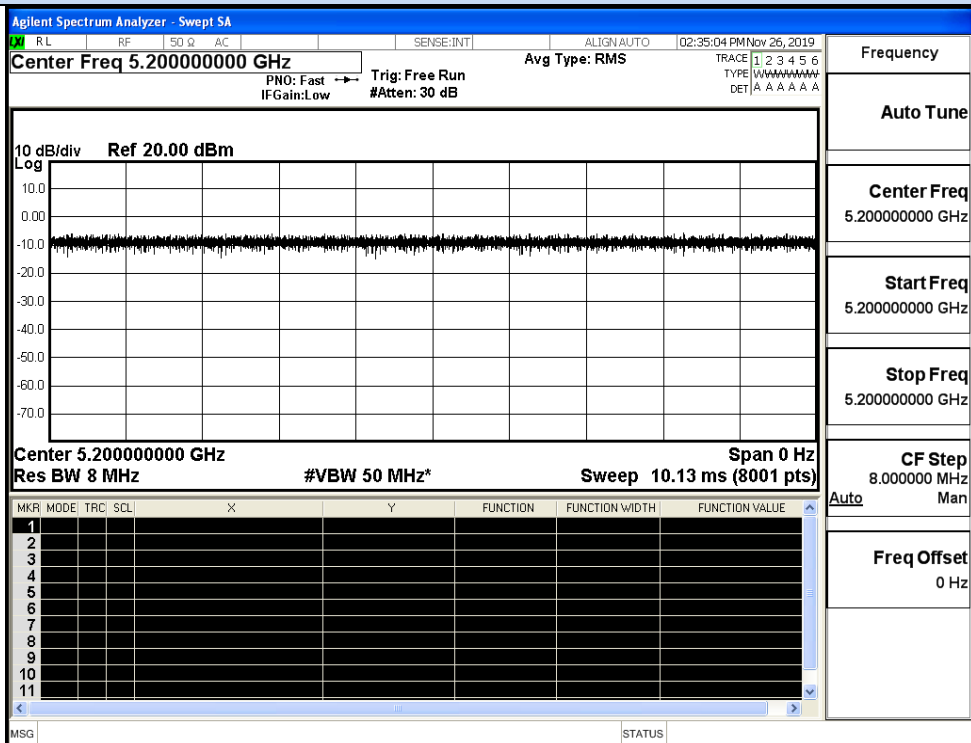


## IEEE 802.11AC80

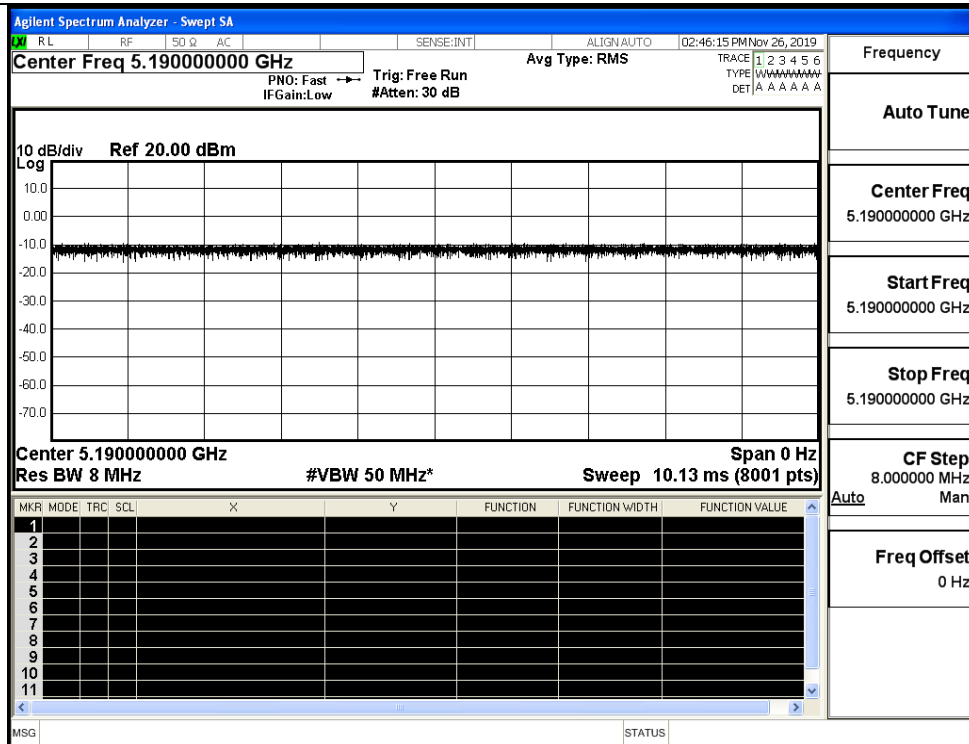
## On Time and Duty Cycle\_Ant\_1



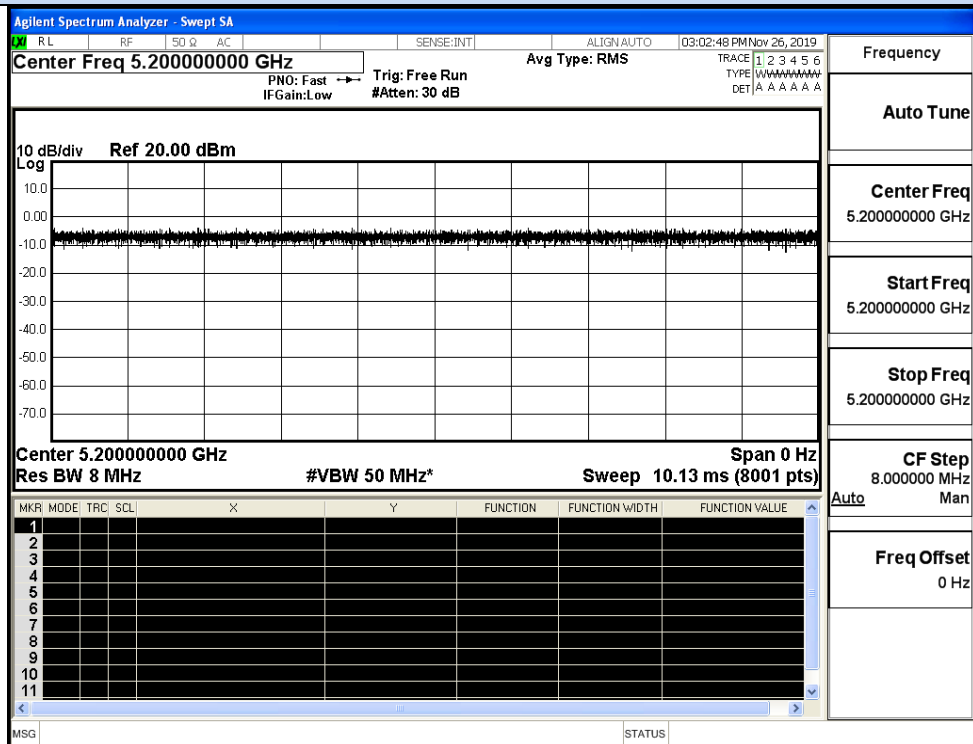
## IEEE 802.11a



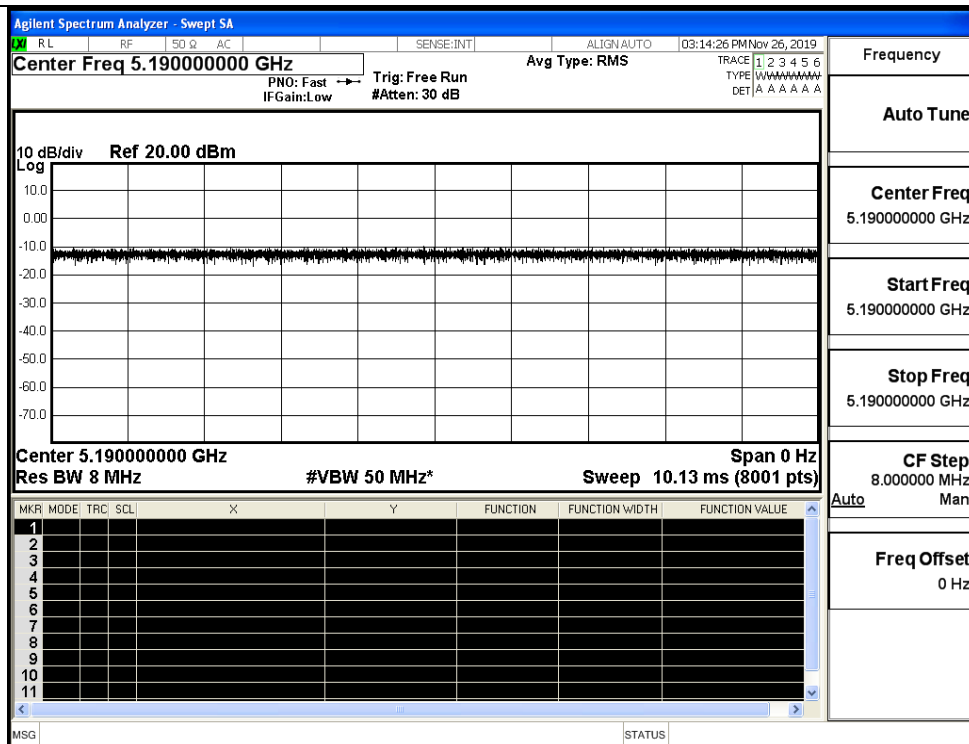
## IEEE 802.11n HT20



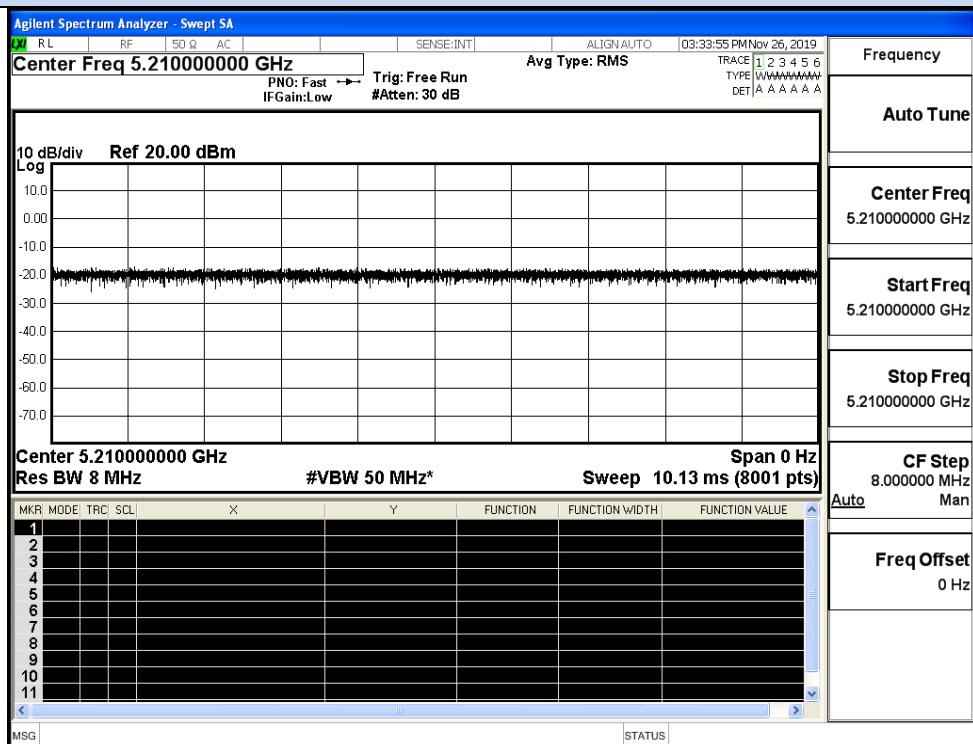
## IEEE 802.11n HT40



## IEEE 802.11AC20



## IEEE 802.11 AC40



## IEEE 802.11AC80

## D.2 Maximum Conduct Output Power

### Ant\_0

| Test Mode | Channel | Frequency (MHz) | AVG Conducted Power (dBm) | Duty Cycle Factor(dB) | Report Conducted Power(dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|---------------------------|-----------------------|-----------------------------|-------------|---------|
| 11A       | 36      | 5180            | 8.44                      | 0                     | 8.44                        | 30          | Pass    |
|           | 40      | 5200            | 8.68                      | 0                     | 8.68                        |             | Pass    |
|           | 48      | 5240            | 8.9                       | 0                     | 8.9                         |             | Pass    |
| 11N20     | 36      | 5180            | 8.39                      | 0                     | 8.39                        | 30          | Pass    |
|           | 40      | 5200            | 8.76                      | 0                     | 8.76                        |             | Pass    |
|           | 48      | 5240            | 8.81                      | 0                     | 8.81                        |             | Pass    |
| 11N40     | 38      | 5190            | 8.35                      | 0                     | 8.35                        | 30          | Pass    |
|           | 46      | 5230            | 8.71                      | 0                     | 8.71                        |             | Pass    |
| 11AC20    | 36      | 5180            | 8.51                      | 0                     | 8.51                        | 30          | Pass    |
|           | 40      | 5200            | 8.59                      | 0                     | 8.59                        |             | Pass    |
|           | 48      | 5240            | 8.72                      | 0                     | 8.72                        |             | Pass    |
| 11AC40    | 38      | 5190            | 7.95                      | 0                     | 7.95                        | 30          | Pass    |
|           | 46      | 5230            | 7.76                      | 0                     | 7.76                        |             | Pass    |
| 11AC80    | 42      | 5210            | 8.78                      | 0                     | 8.78                        | 30          | Pass    |

### Ant\_1

| Test Mode | Channel | Frequency (MHz) | AVG Conducted Power (dBm) | Duty Cycle Factor(dB) | Report Conducted Power(dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|---------------------------|-----------------------|-----------------------------|-------------|---------|
| 11A       | 36      | 5180            | 7.63                      | 0                     | 7.63                        | 30          | Pass    |
|           | 40      | 5200            | 8.75                      | 0                     | 8.75                        |             | Pass    |
|           | 48      | 5240            | 9.68                      | 0                     | 9.68                        |             | Pass    |
| 11N20     | 36      | 5180            | 8.19                      | 0                     | 8.19                        | 30          | Pass    |
|           | 40      | 5200            | 8.52                      | 0                     | 8.52                        |             | Pass    |
|           | 48      | 5240            | 9.04                      | 0                     | 9.04                        |             | Pass    |
| 11N40     | 38      | 5190            | 9                         | 0                     | 9                           | 30          | Pass    |
|           | 46      | 5230            | 9.68                      | 0                     | 9.68                        |             | Pass    |
| 11AC20    | 36      | 5180            | 9.93                      | 0                     | 9.93                        | 30          | Pass    |
|           | 40      | 5200            | 10.69                     | 0                     | 10.69                       |             | Pass    |
|           | 48      | 5240            | 9.15                      | 0                     | 9.15                        |             | Pass    |
| 11AC40    | 38      | 5190            | 7.82                      | 0                     | 7.82                        | 30          | Pass    |
|           | 46      | 5230            | 9.91                      | 0                     | 9.91                        |             | Pass    |
| 11AC80    | 42      | 5210            | 5.94                      | 0                     | 5.94                        | 30          | Pass    |

**Combined Ant\_0 and Ant\_1**

| Test Mode | Channel | Frequency (MHz) | AVG Conducted Power (dBm) |       |       | Duty Cycle Factor (dB) | Report Conducted Power (dBm) |       |       | Limit (dBm) |
|-----------|---------|-----------------|---------------------------|-------|-------|------------------------|------------------------------|-------|-------|-------------|
|           |         |                 | Ant_0                     | Ant_1 | Sum   |                        | Ant_0                        | Ant_1 | Sum   |             |
| 11N20     | 36      | 5180            | 8.39                      | 8.19  | 11.30 | 0                      | 8.39                         | 8.19  | 11.30 | 29.99       |
|           | 40      | 5200            | 8.76                      | 8.52  | 11.65 | 0                      | 8.76                         | 8.52  | 11.65 |             |
|           | 48      | 5240            | 8.81                      | 9.04  | 11.94 | 0                      | 8.81                         | 9.04  | 11.94 |             |
| 11N40     | 38      | 5190            | 8.35                      | 9     | 11.70 | 0                      | 8.35                         | 9     | 11.70 | 29.99       |
|           | 46      | 5230            | 8.71                      | 9.68  | 12.23 | 0                      | 8.71                         | 9.68  | 12.23 |             |
| 11AC20    | 36      | 5180            | 8.51                      | 9.93  | 12.29 | 0                      | 8.51                         | 9.93  | 12.29 | 29.99       |
|           | 40      | 5200            | 8.59                      | 10.69 | 12.78 | 0                      | 8.59                         | 10.69 | 12.78 |             |
|           | 48      | 5240            | 8.72                      | 9.15  | 11.95 | 0                      | 8.72                         | 9.15  | 11.95 |             |
| 11AC40    | 38      | 5190            | 7.95                      | 7.82  | 10.90 | 0                      | 7.95                         | 7.82  | 10.90 | 29.99       |
|           | 46      | 5230            | 7.76                      | 9.91  | 11.98 | 0                      | 7.76                         | 9.91  | 11.98 |             |
| 11AC80    | 42      | 5210            | 8.78                      | 5.94  | 10.60 | 0                      | 8.78                         | 5.94  | 10.60 | 29.99       |

### B.3 Power Spectral Density

#### Ant\_0

| Test Mode | Channel | Frequency (MHz) | Power Density (dBm/MHz) | Duty Cycle Factor(dB) | Report Power Density (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|---------|-----------------|-------------------------|-----------------------|--------------------------------|-----------------|---------|
| 11A       | 36      | 5180            | -1.63                   | 0                     | -1.63                          | 17              | Pass    |
|           | 40      | 5200            | -1.78                   | 0                     | -1.78                          |                 | Pass    |
|           | 48      | 5240            | -1.22                   | 0                     | -1.22                          |                 | Pass    |
| 11N20     | 36      | 5180            | -1.16                   | 0                     | -1.16                          | 17              | Pass    |
|           | 40      | 5200            | -0.75                   | 0                     | -0.75                          |                 | Pass    |
|           | 48      | 5240            | -1.11                   | 0                     | -1.11                          |                 | Pass    |
| 11N40     | 38      | 5190            | -4.74                   | 0                     | -4.74                          | 17              | Pass    |
|           | 46      | 5230            | -4.18                   | 0                     | -4.18                          |                 | Pass    |
| 11AC20    | 36      | 5180            | -1.52                   | 0                     | -1.52                          | 17              | Pass    |
|           | 40      | 5200            | -1.47                   | 0                     | -1.47                          |                 | Pass    |
|           | 48      | 5240            | -0.30                   | 0                     | -0.30                          |                 | Pass    |
| 11AC40    | 38      | 5190            | -5.13                   | 0                     | -5.13                          | 17              | Pass    |
|           | 46      | 5230            | -5.29                   | 0                     | -5.29                          |                 | Pass    |
| 11AC80    | 42      | 5210            | -3.76                   | 0                     | -3.76                          | 17              | Pass    |

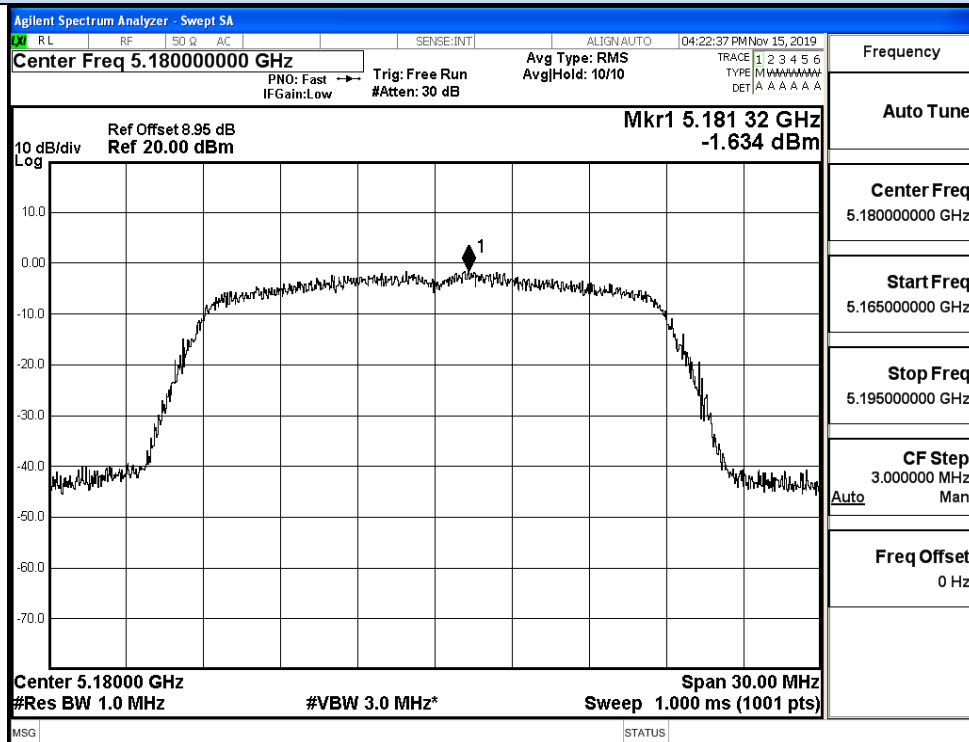
#### Ant\_1

| Test Mode | Channel | Frequency (MHz) | Power Density (dBm/MHz) | Duty Cycle Factor(dB) | Report Power Density (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|---------|-----------------|-------------------------|-----------------------|--------------------------------|-----------------|---------|
| 11A       | 36      | 5180            | -3.08                   | 0                     | -3.08                          | 17              | Pass    |
|           | 40      | 5200            | -2.06                   | 0                     | -2.06                          |                 | Pass    |
|           | 48      | 5240            | -1.39                   | 0                     | -1.39                          |                 | Pass    |
| 11N20     | 36      | 5180            | -2.87                   | 0                     | -2.87                          | 17              | Pass    |
|           | 40      | 5200            | -2.44                   | 0                     | -2.44                          |                 | Pass    |
|           | 48      | 5240            | -1.76                   | 0                     | -1.76                          |                 | Pass    |
| 11N40     | 38      | 5190            | -3.78                   | 0                     | -3.78                          | 17              | Pass    |
|           | 46      | 5230            | -3.12                   | 0                     | -3.12                          |                 | Pass    |
| 11AC20    | 36      | 5180            | -1.00                   | 0                     | -1.00                          | 17              | Pass    |
|           | 40      | 5200            | 0.12                    | 0                     | 0.12                           |                 | Pass    |
|           | 48      | 5240            | -1.69                   | 0                     | -1.69                          |                 | Pass    |
| 11AC40    | 38      | 5190            | -4.77                   | 0                     | -4.77                          | 17              | Pass    |
|           | 46      | 5230            | -2.68                   | 0                     | -2.68                          |                 | Pass    |
| 11AC80    | 42      | 5210            | -6.79                   | 0                     | -6.79                          | 17              | Pass    |

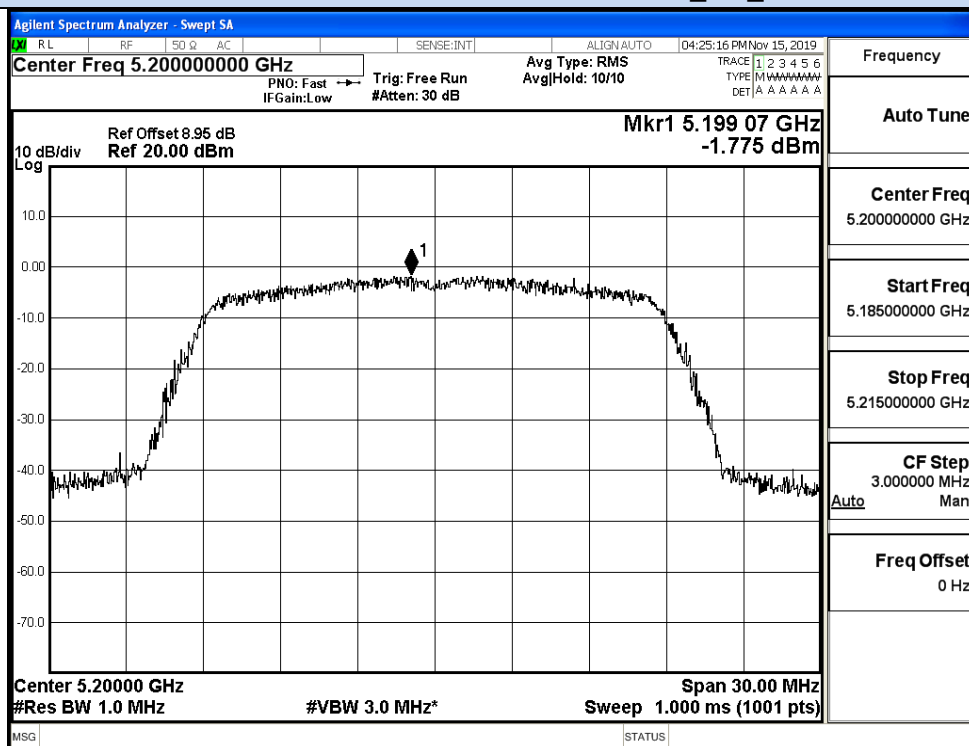
#### Combined Ant\_0 and Ant\_1

| Test Mode | Channel | Frequency (MHz) | Power Density (dBm/MHz) |       |       | Duty Cycle Factor (dB) | Report Power Density (dBm/MHz) |       |       | Limit (dBm/MHz) |
|-----------|---------|-----------------|-------------------------|-------|-------|------------------------|--------------------------------|-------|-------|-----------------|
|           |         |                 | Ant_0                   | Ant_1 | Sum   |                        | Ant_0                          | Ant_1 | Sum   |                 |
| 11N20     | 36      | 5180            | -1.16                   | -2.87 | 1.08  | 0                      | -1.16                          | -2.87 | 1.08  | 16.99           |
|           | 40      | 5200            | -0.75                   | -2.44 | 1.50  | 0                      | -0.75                          | -2.44 | 1.50  |                 |
|           | 48      | 5240            | -1.11                   | -1.76 | 1.59  | 0                      | -1.11                          | -1.76 | 1.59  |                 |
| 11N40     | 38      | 5190            | -4.74                   | -3.78 | -1.22 | 0                      | -4.74                          | -3.78 | -1.22 | 16.99           |
|           | 46      | 5230            | -4.18                   | -3.12 | -0.61 | 0                      | -4.18                          | -3.12 | -0.61 |                 |
| 11AC20    | 36      | 5180            | -1.52                   | -1.00 | 1.76  | 0                      | -1.52                          | -1.00 | 1.76  | 16.99           |
|           | 40      | 5200            | -1.47                   | 0.12  | 2.41  | 0                      | -1.47                          | 0.12  | 2.41  |                 |
|           | 48      | 5240            | -0.30                   | -1.69 | 2.07  | 0                      | -0.30                          | -1.69 | 2.07  |                 |
| 11AC40    | 38      | 5190            | -5.13                   | -4.77 | -1.94 | 0                      | -5.13                          | -4.77 | -1.94 | 16.99           |
|           | 46      | 5230            | -5.29                   | -2.68 | -0.78 | 0                      | -5.29                          | -2.68 | -0.78 |                 |
| 11AC80    | 42      | 5210            | -3.76                   | -6.79 | -2.01 | 0                      | -3.76                          | -6.79 | -2.01 | 16.99           |

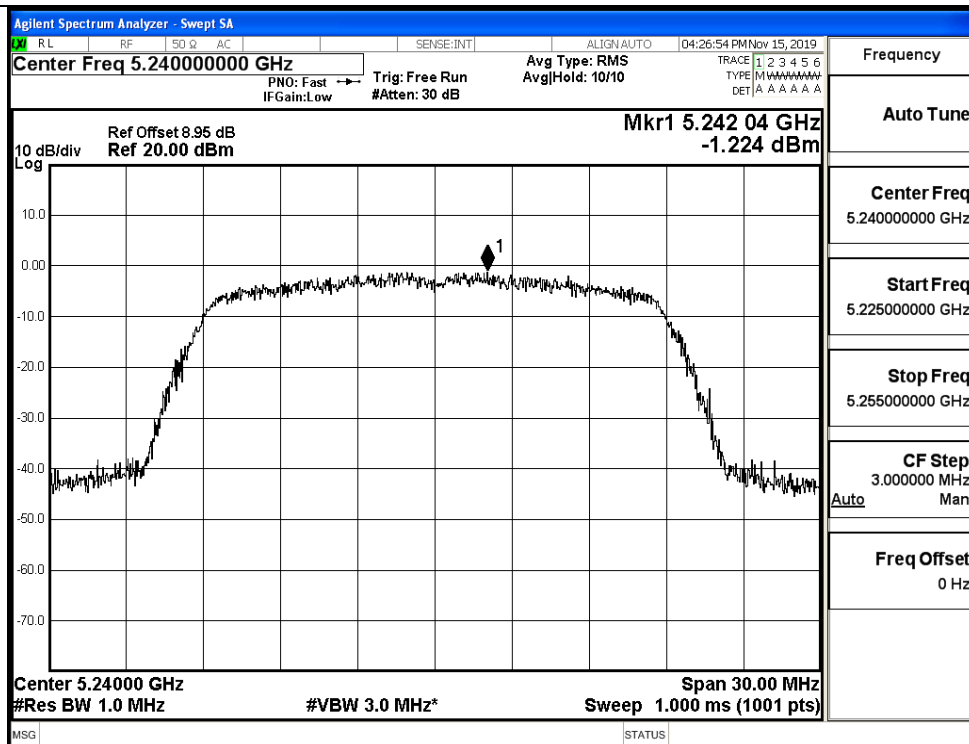
## Power Spectral Density\_Ant\_0



## IEEE 802.11a / Channel 36 / 5180MHz\_Ant\_0

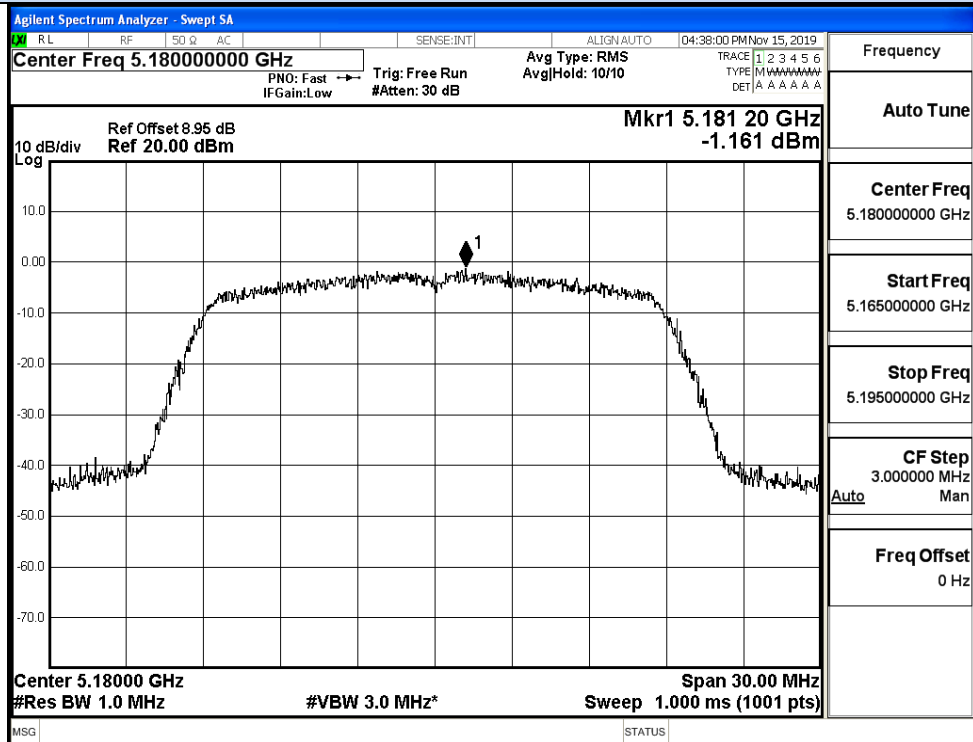


## IEEE 802.11a / Channel 40 / 5200MHz\_Ant\_0

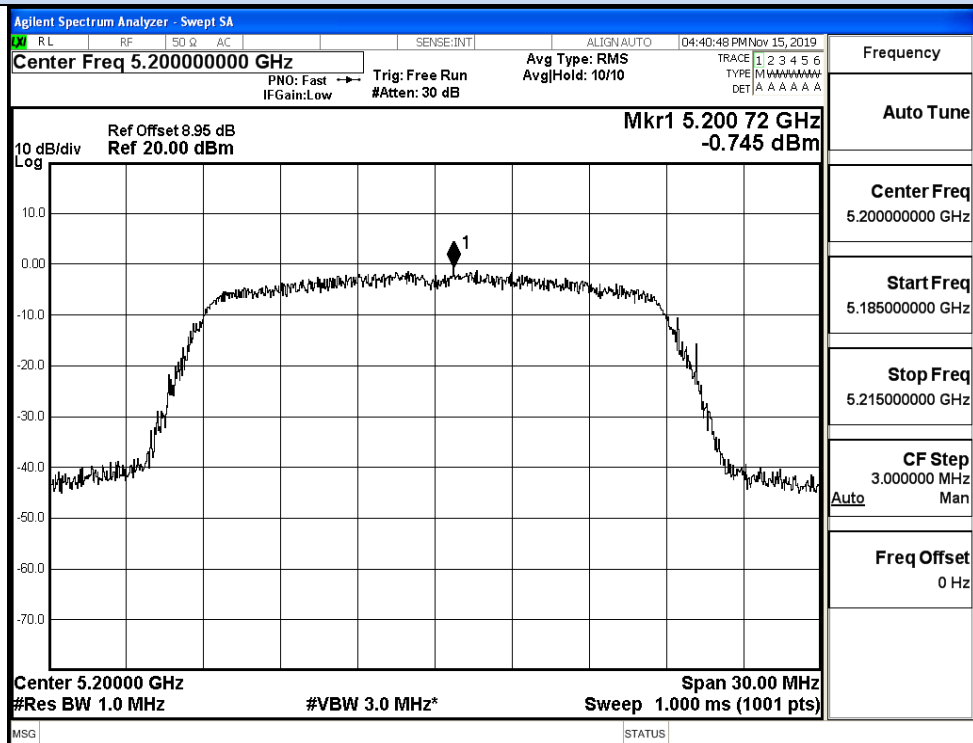


IEEE 802.11a / Channel 48 / 5240MHz\_Ant\_0

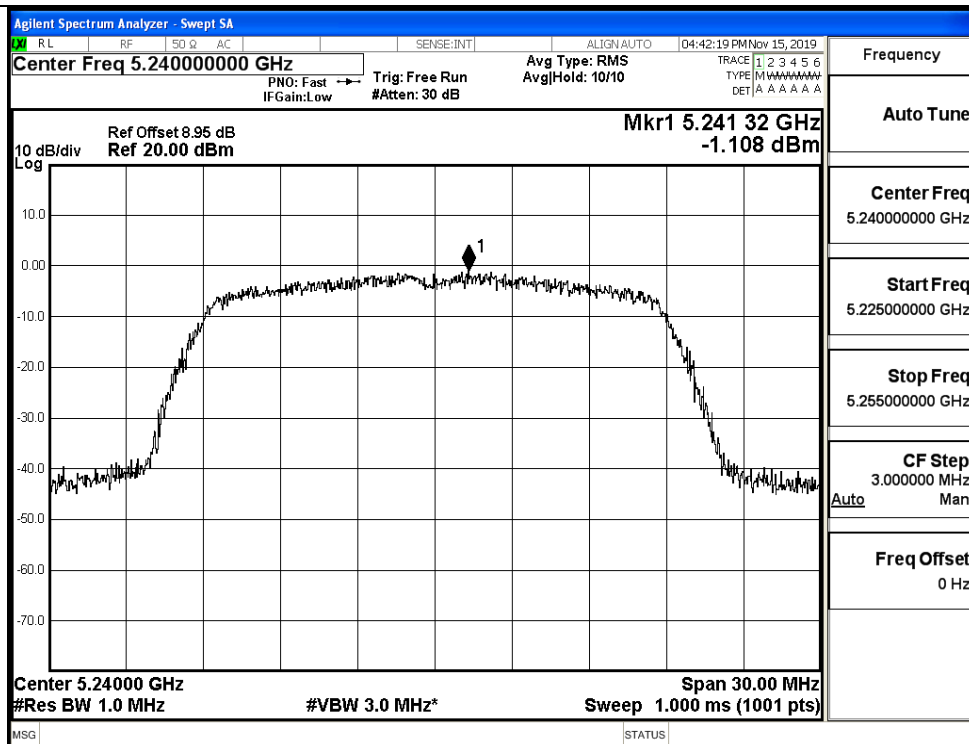
## Power Spectral Density\_Ant\_0



## IEEE 802.11n20 / Channel 36 / 5180MHz\_Ant\_0

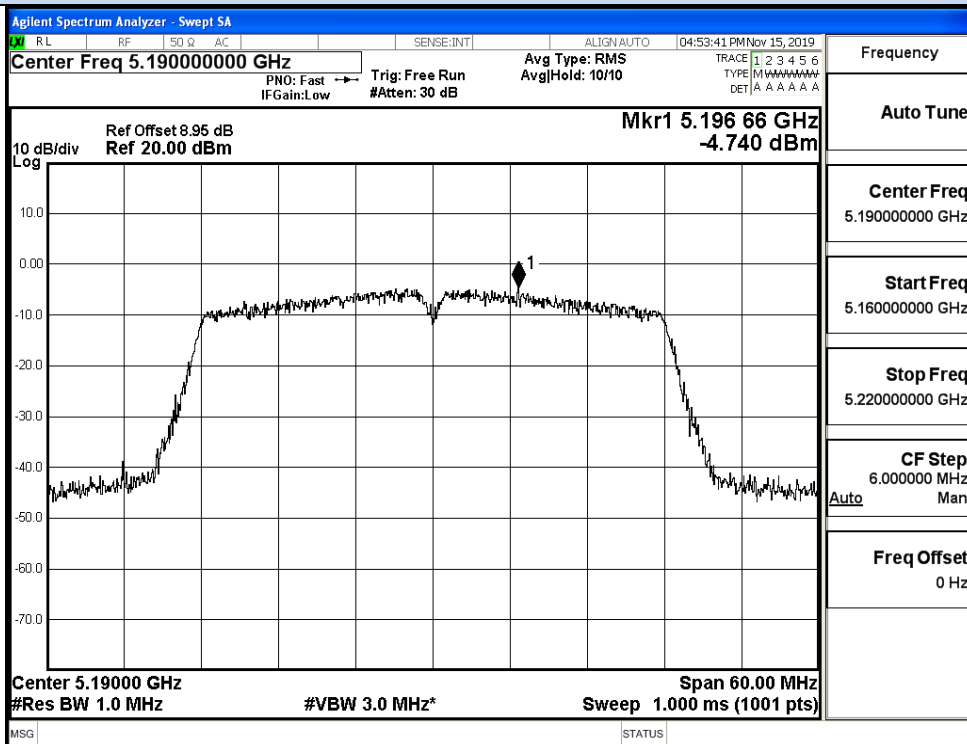


## IEEE 802.11n20 / Channel 40 / 5200MHz\_Ant\_0

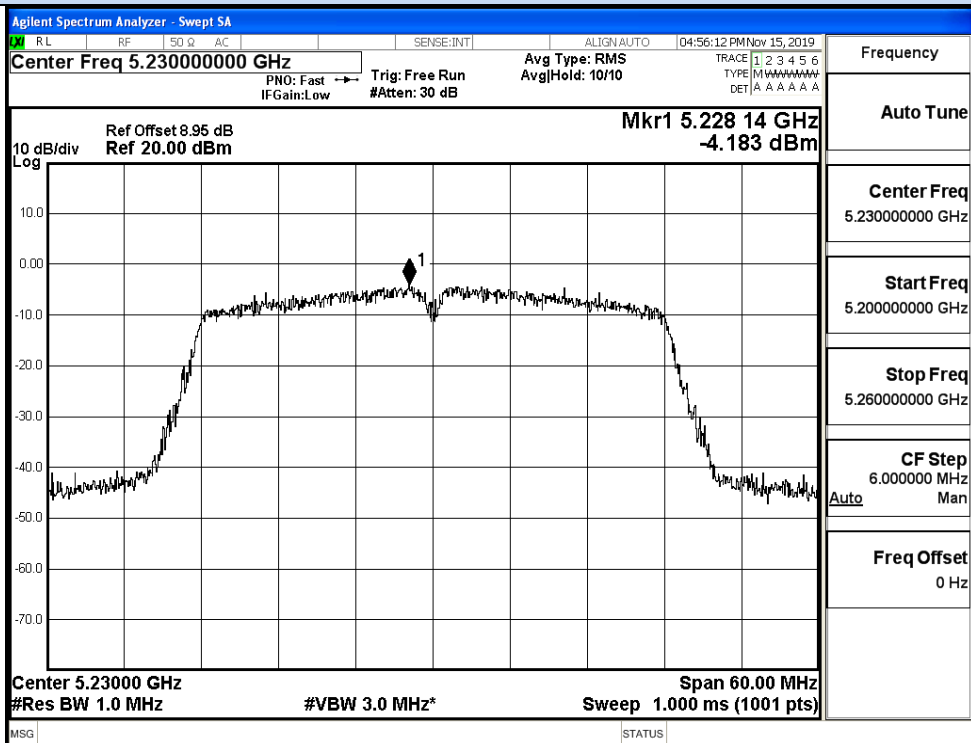


IEEE 802.11n20 / Channel 48 / 5240MHz\_Ant\_0

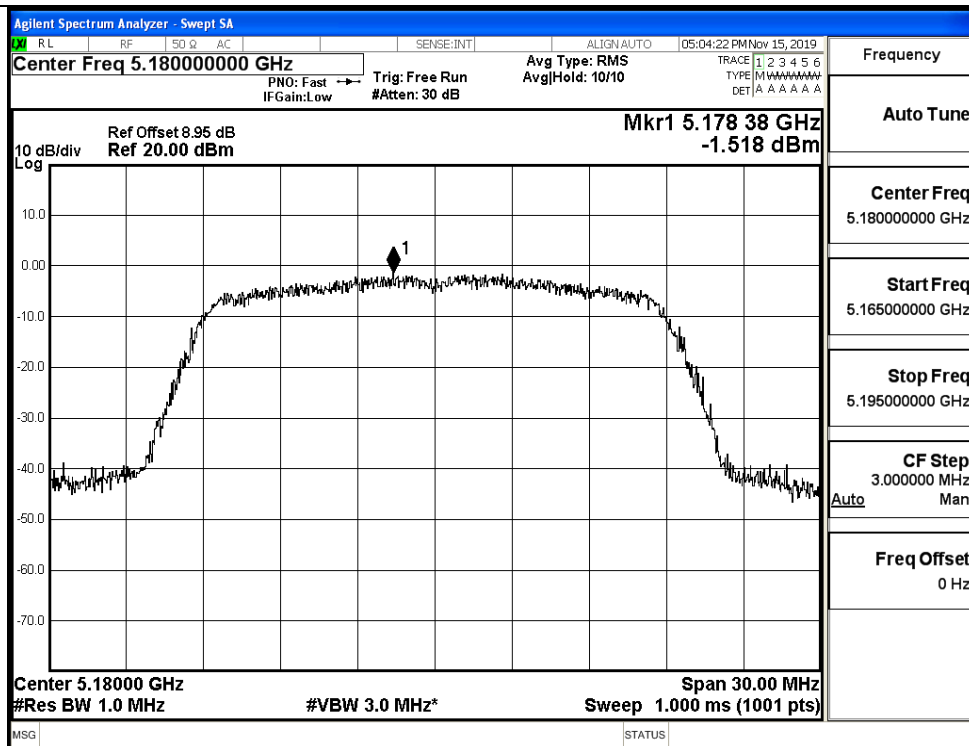
## Power Spectral Density\_Ant\_0



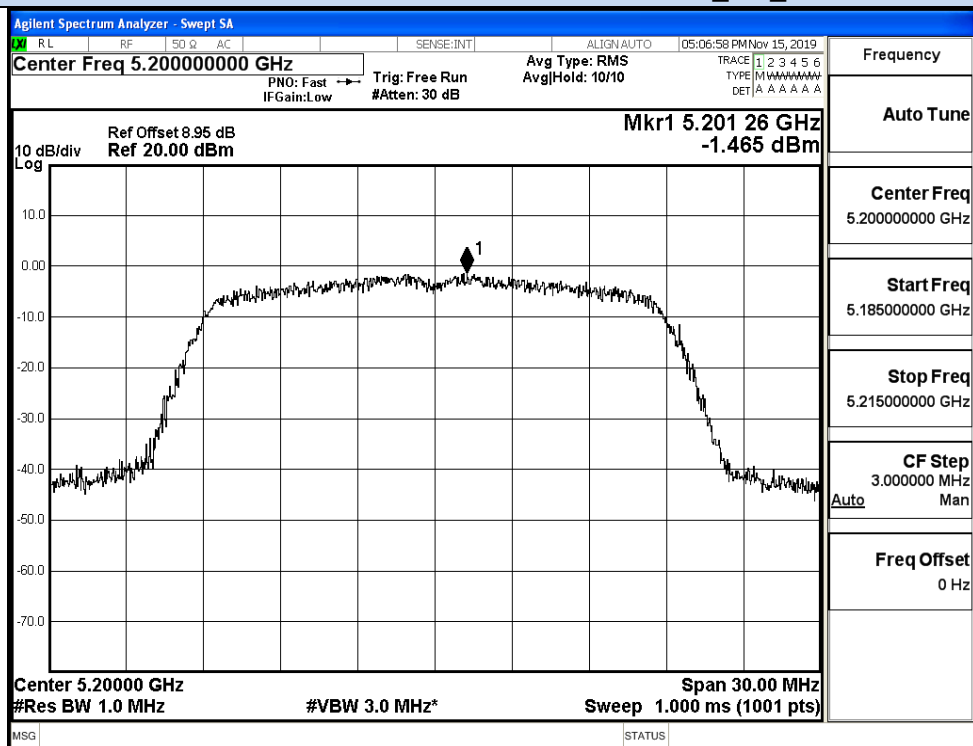
## IEEE 802.11n40 / Channel 38 / 5190MHz\_Ant\_0



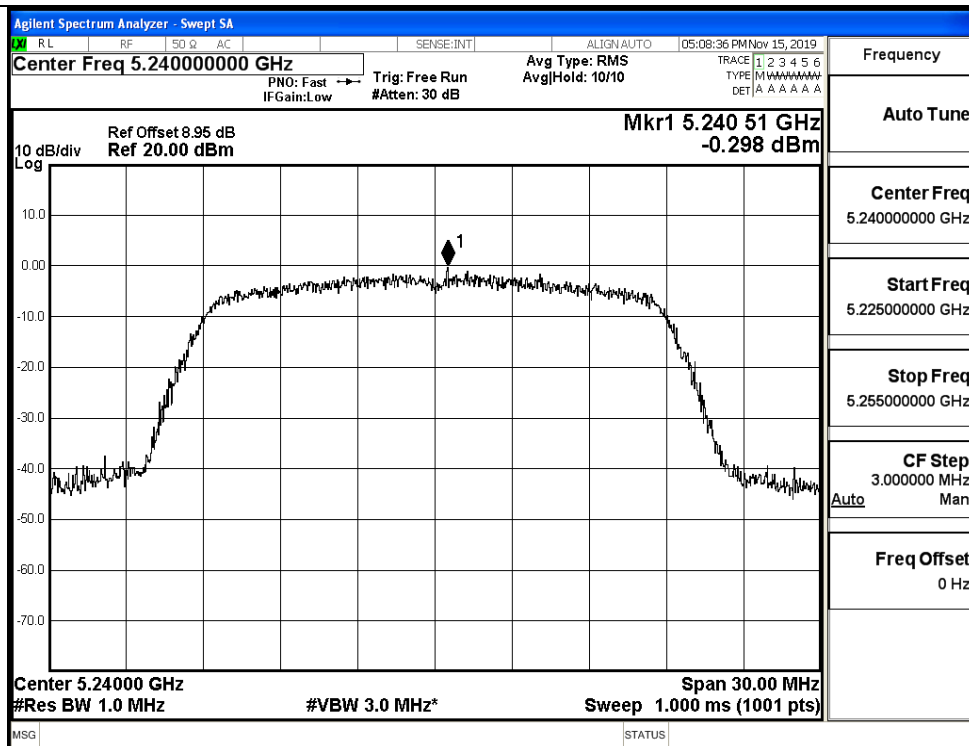
## IEEE 802.11n40 / Channel 46 / 5230MHz\_Ant\_0



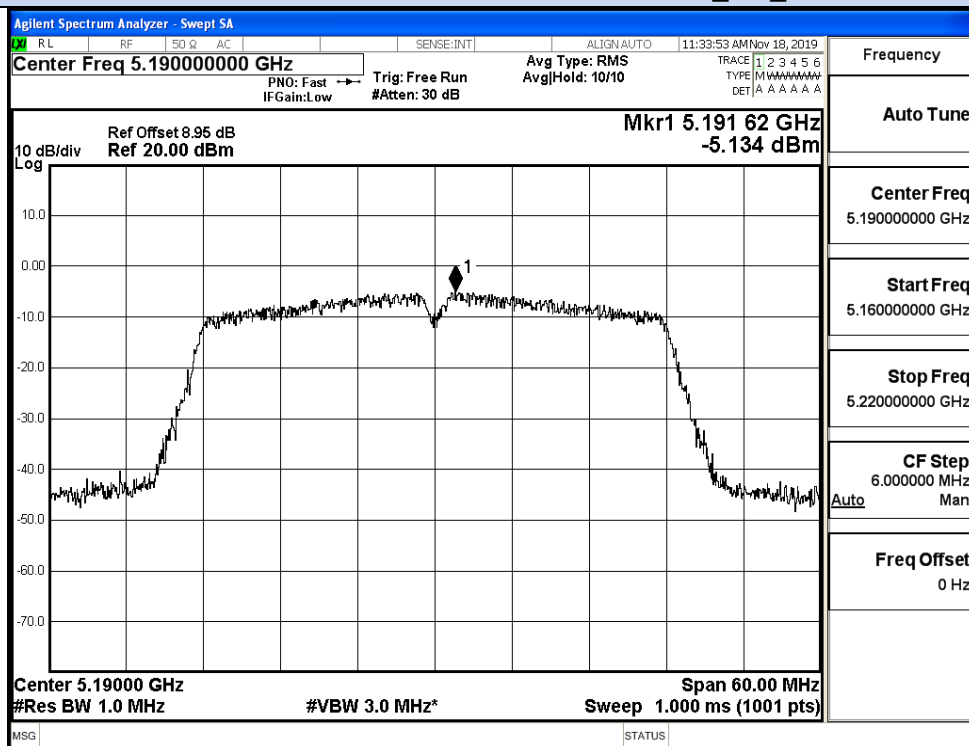
IEEE 802.11ac20 / Channel 36 / 5180MHz\_Ant\_0



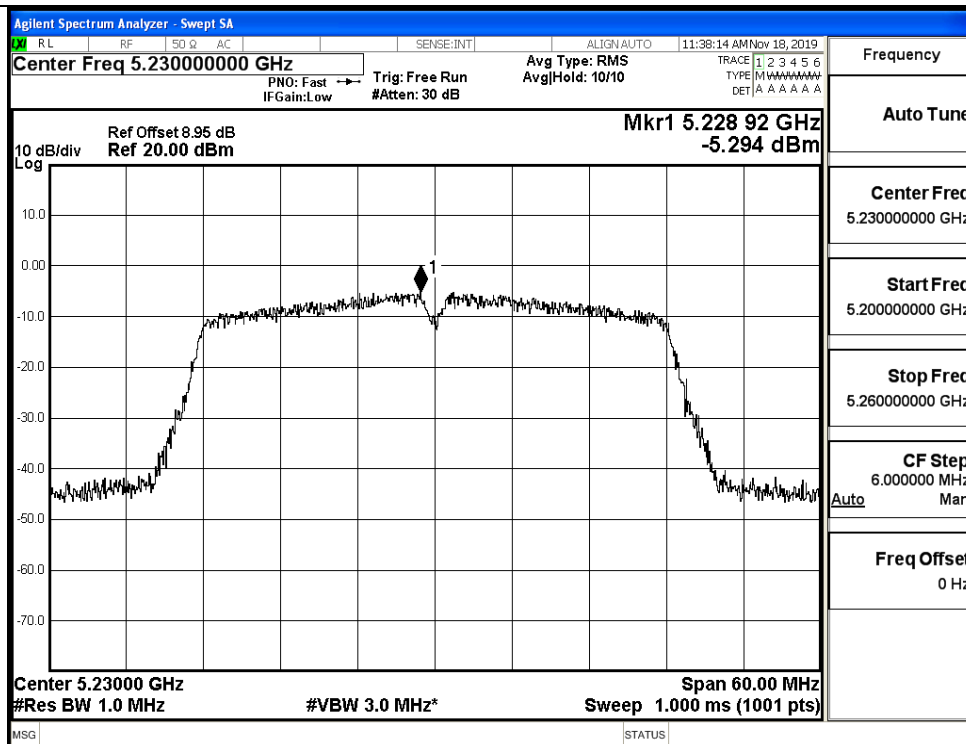
IEEE 802.11ac20 / Channel 40 / 5200MHz\_Ant\_0



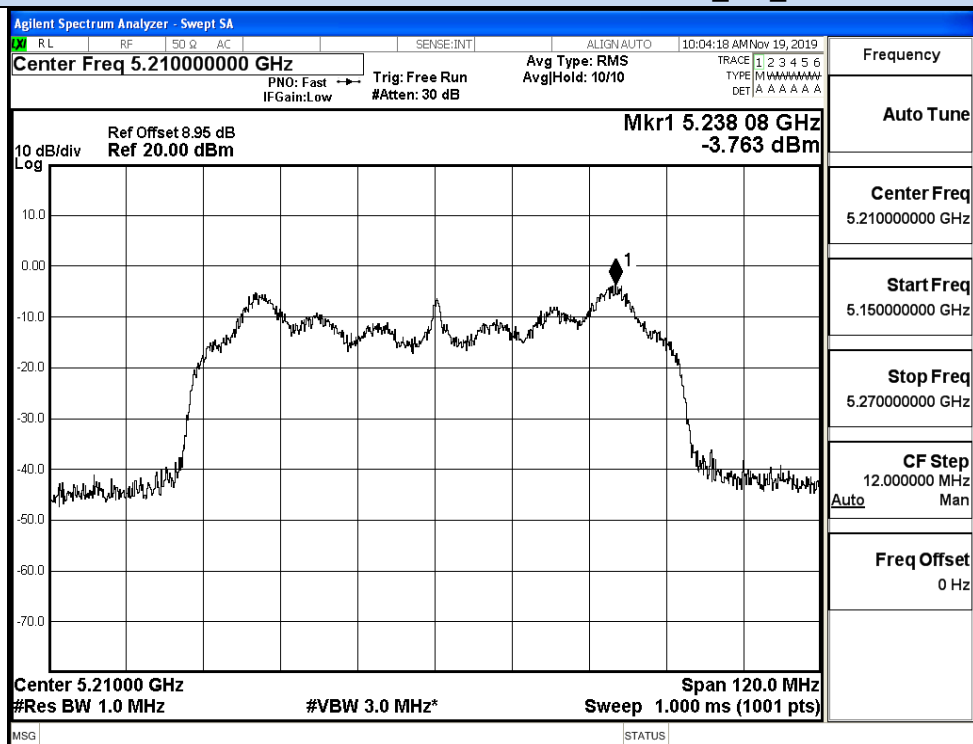
IEEE 802.11ac20 / Channel 48 / 5240MHz\_Ant\_0



IEEE 802.11ac40 / Channel 38 / 5190MHz\_Ant\_0

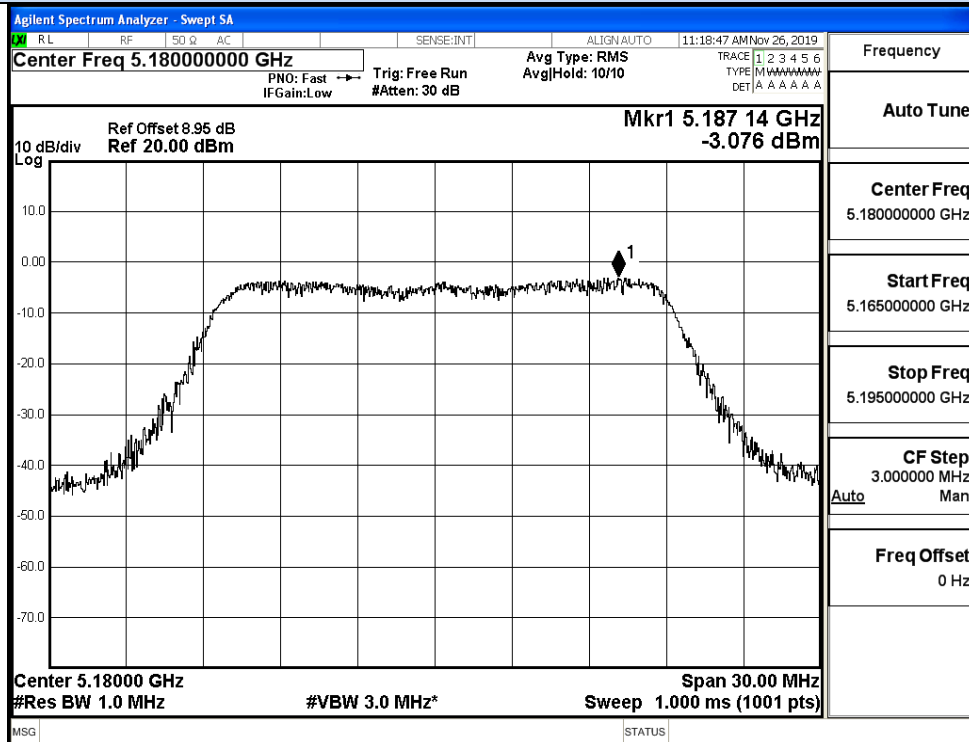


## IEEE 802.11ac40 / Channel 46 / 5230MHz\_Ant\_0

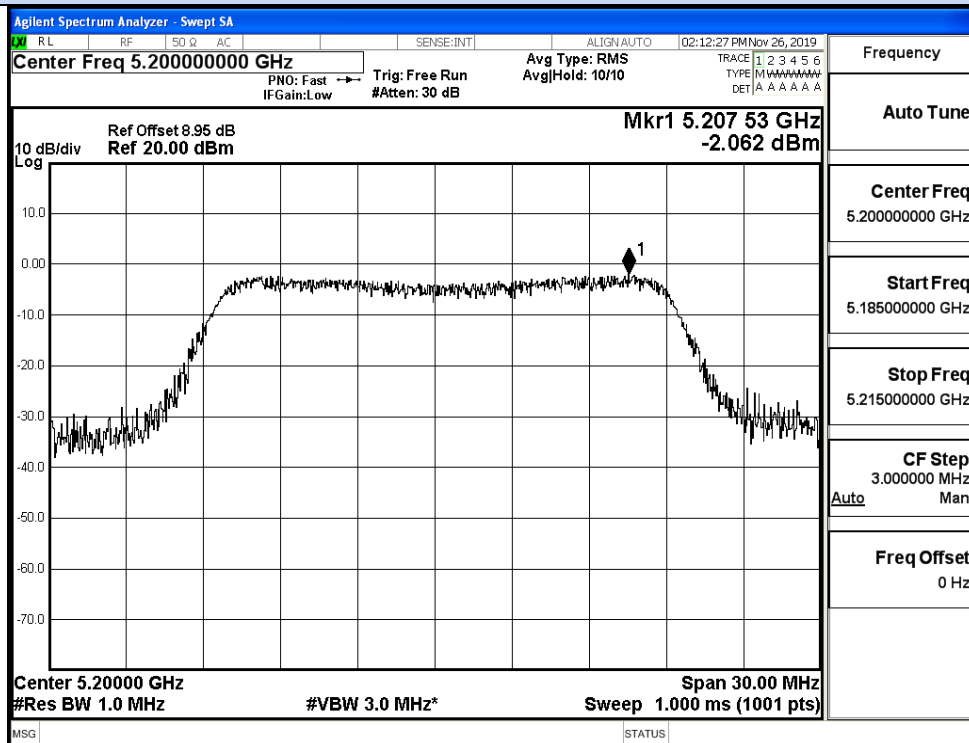


## IEEE 802.11ac80 / Channel 42 / 5210MHz\_Ant\_0

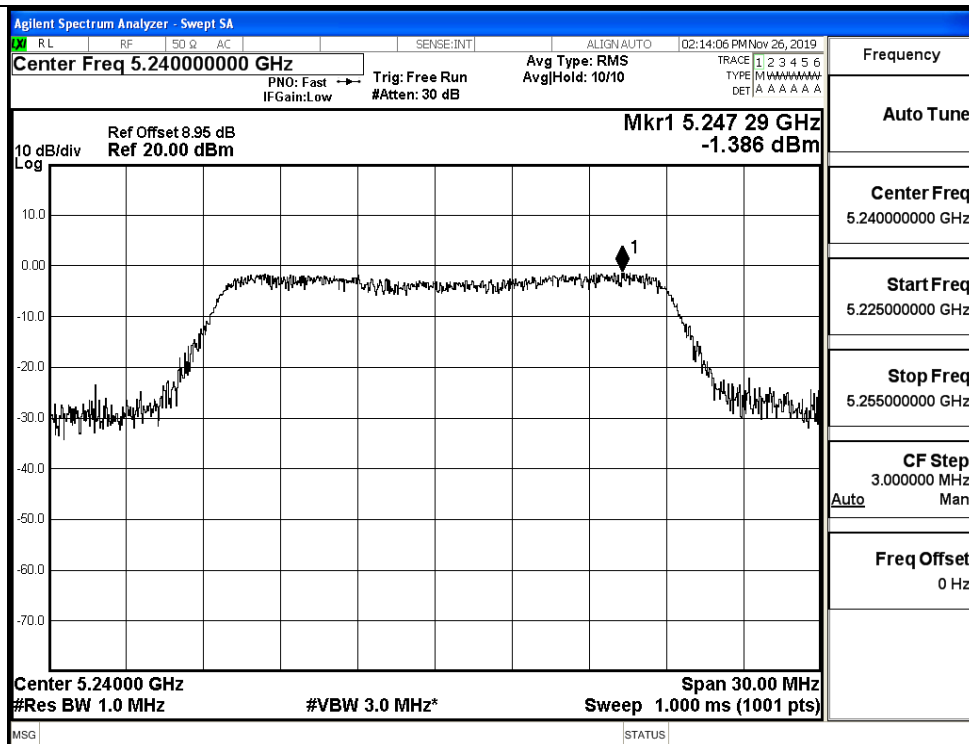
## Power Spectral Density\_Ant\_1



## IEEE 802.11a / Channel 36 / 5180MHz\_Ant\_1

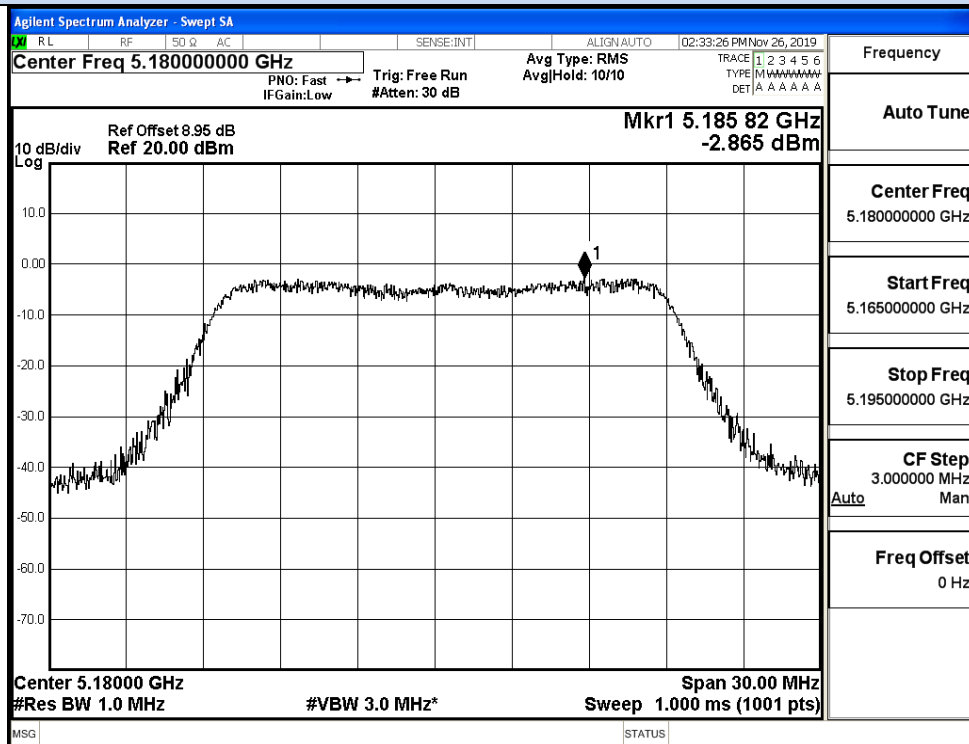


## IEEE 802.11a / Channel 40 / 5200MHz\_Ant\_1

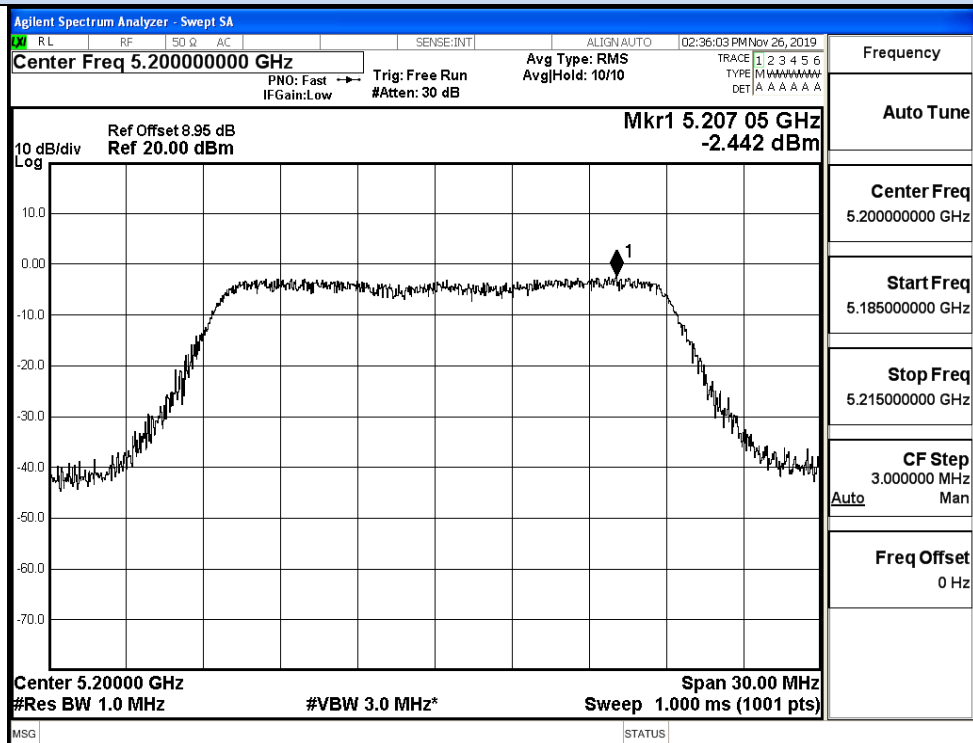


IEEE 802.11a / Channel 48 / 5240MHz\_Ant\_1

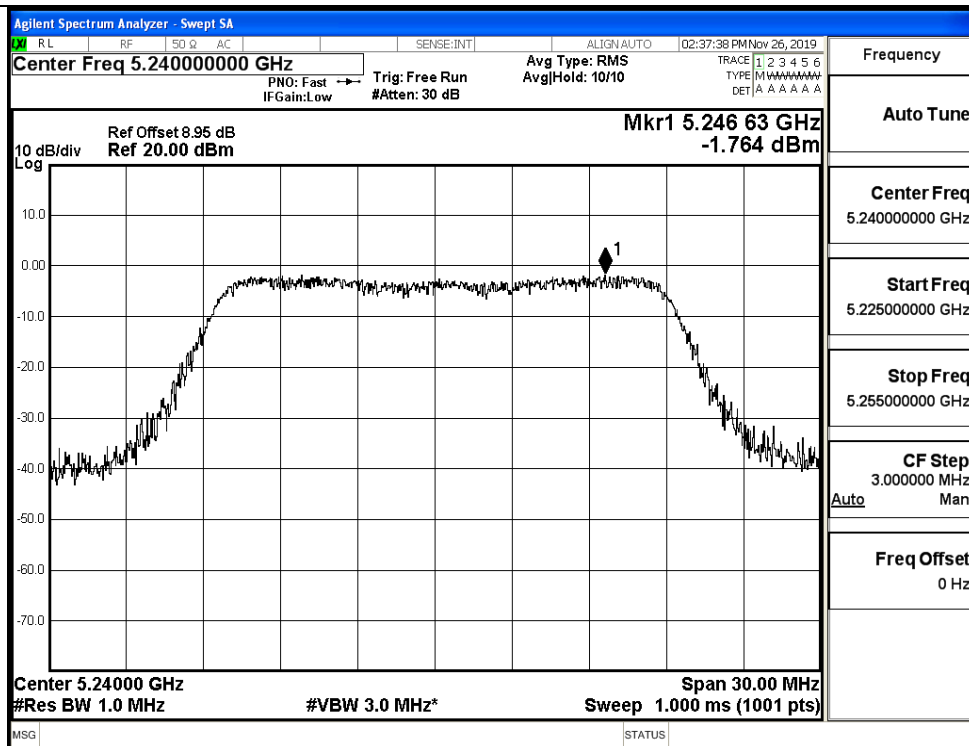
## Power Spectral Density\_Ant\_1



## IEEE 802.11n20 / Channel 36 / 5180MHz\_Ant\_1

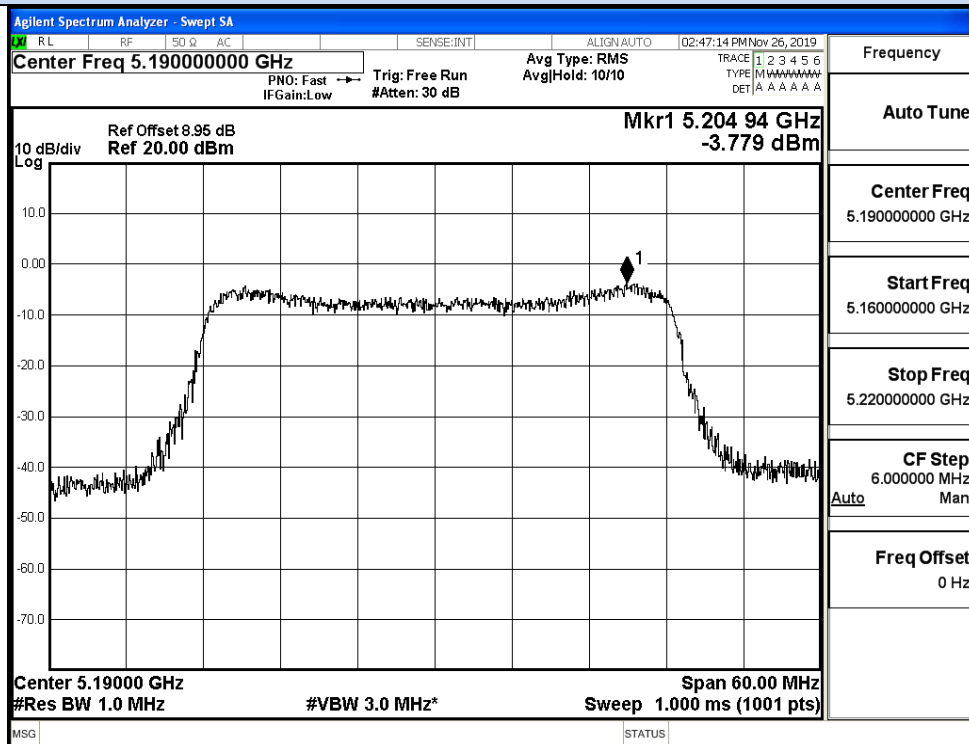


## IEEE 802.11n20 / Channel 40 / 5200MHz\_Ant\_1

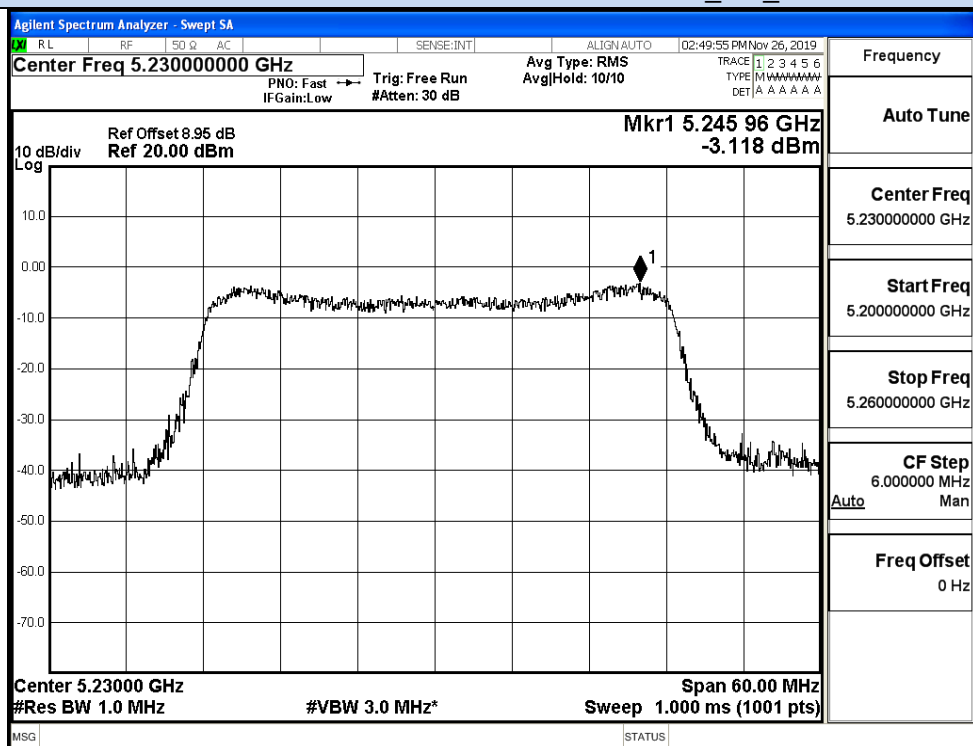


IEEE 802.11n20 / Channel 48 / 5240MHz\_Ant\_1

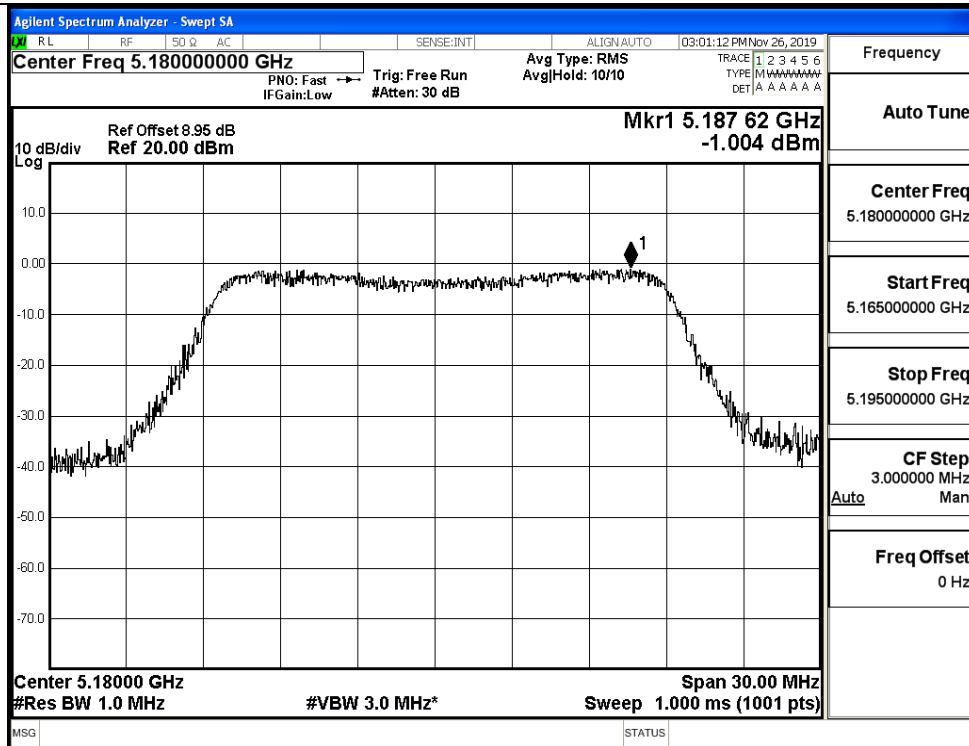
## Power Spectral Density\_Ant\_1



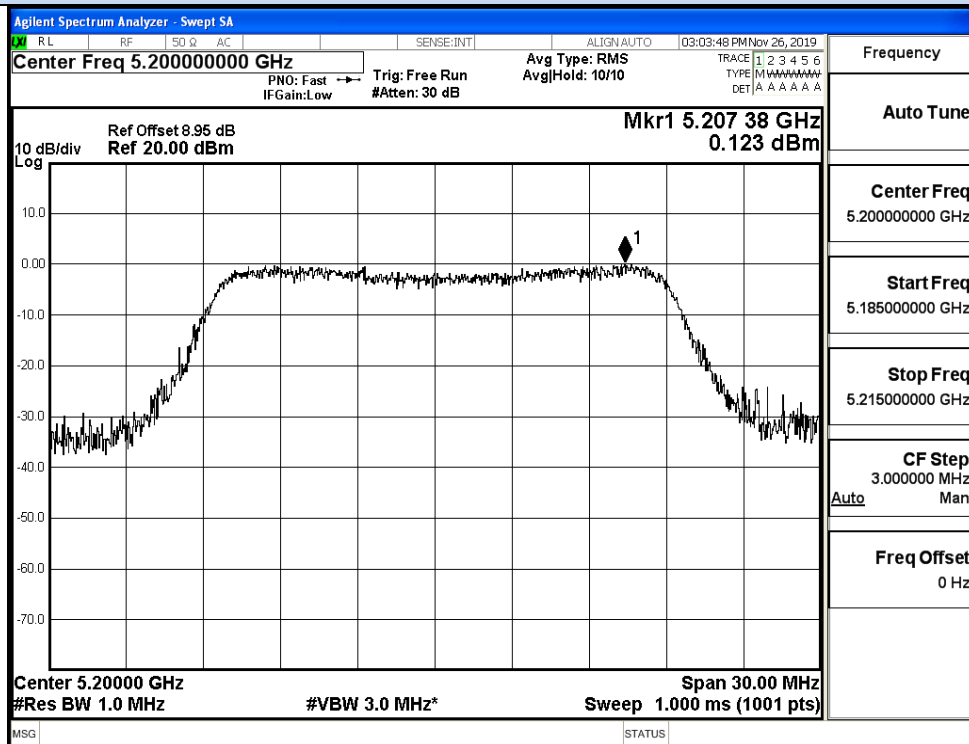
## IEEE 802.11n40 / Channel 38 / 5190MHz\_Ant\_1



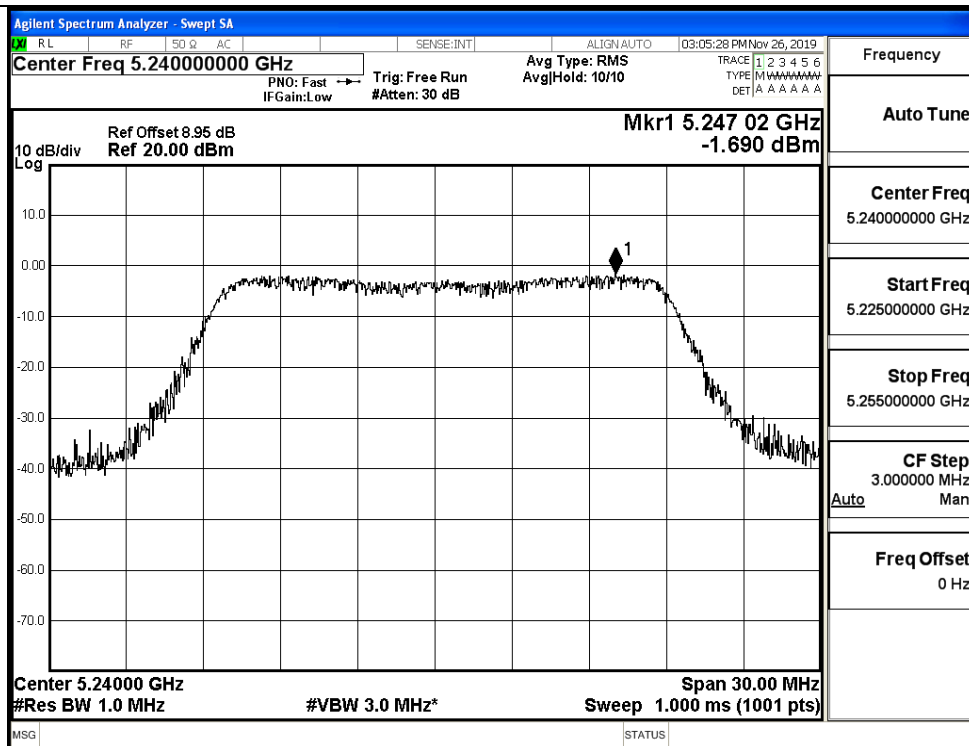
## IEEE 802.11n40 / Channel 46 / 5230MHz\_Ant\_1



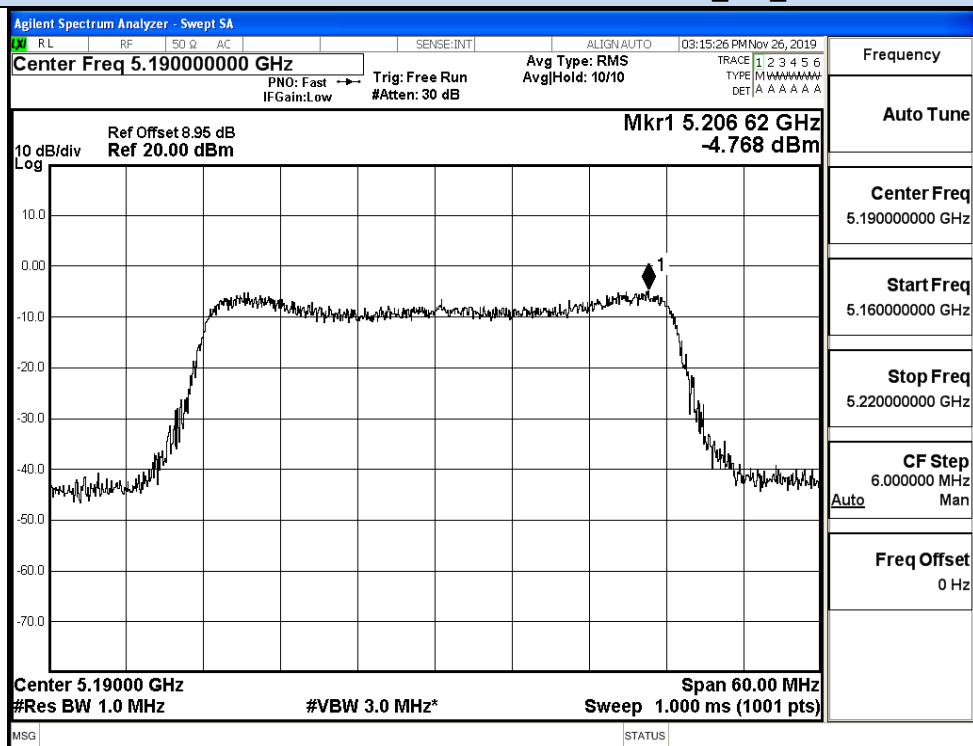
IEEE 802.11ac20 / Channel 36 / 5180MHz\_Ant\_1



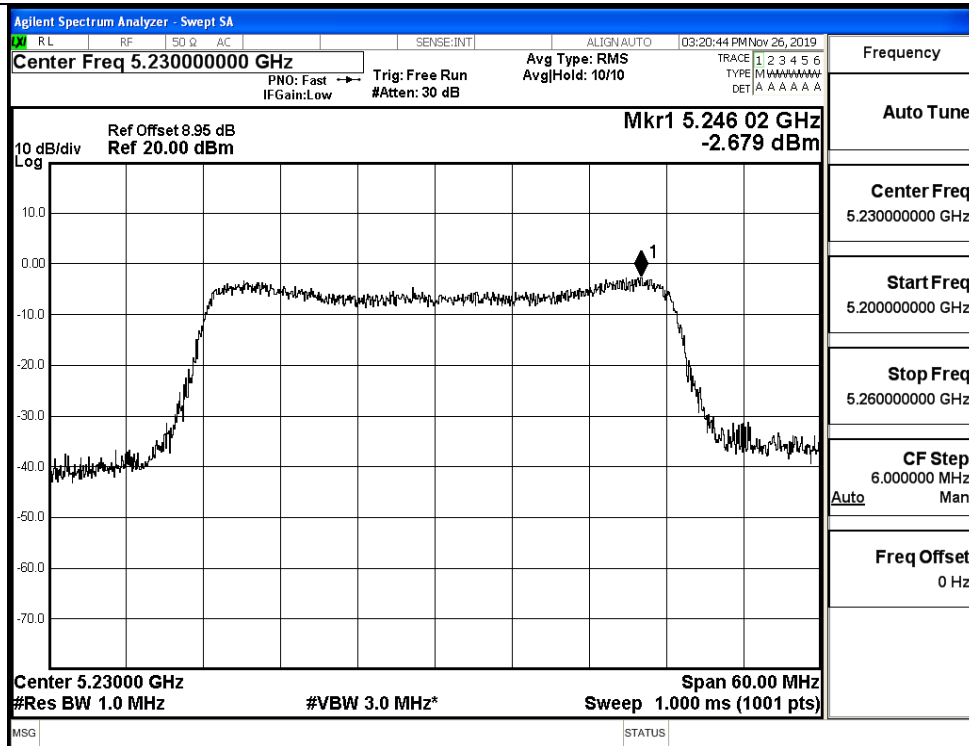
IEEE 802.11ac20 / Channel 40 / 5200MHz\_Ant\_1



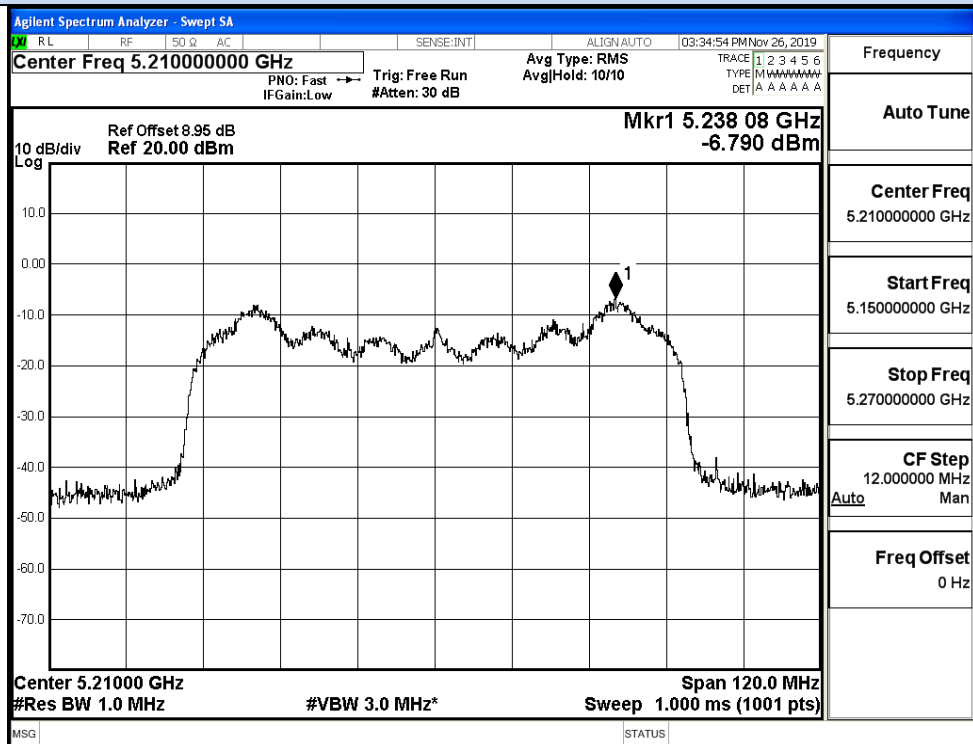
IEEE 802.11ac20 / Channel 48 / 5240MHz\_Ant\_1



IEEE 802.11ac40 / Channel 38 / 5190MHz\_Ant\_1



## IEEE 802.11ac40 / Channel 46 / 5230MHz\_Ant\_1

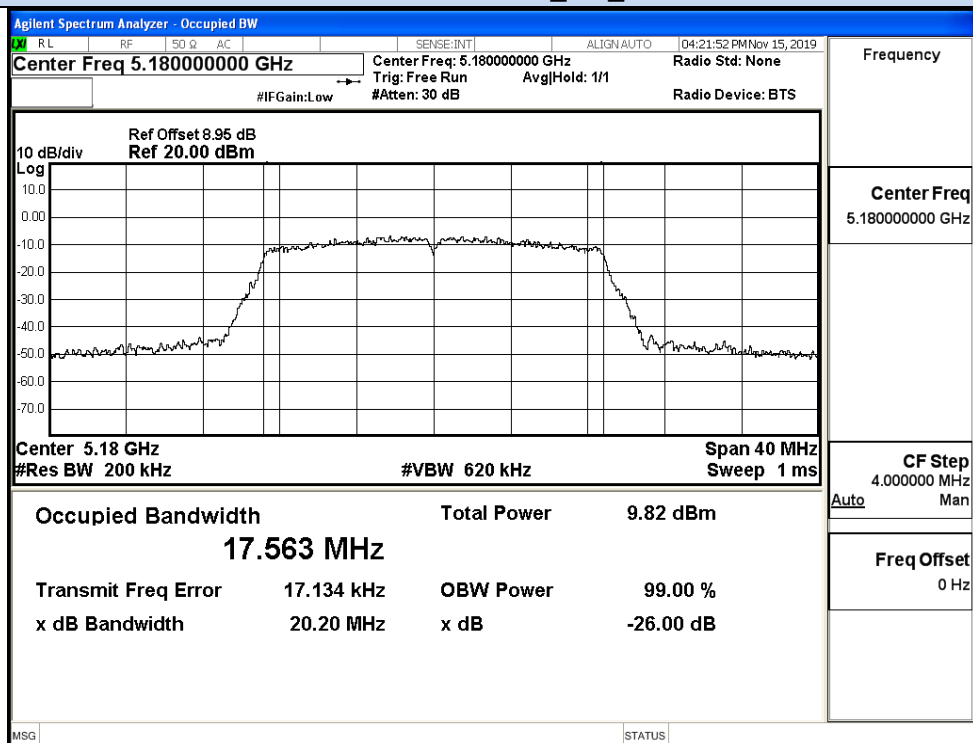


## IEEE 802.11ac80 / Channel 42 / 5210MHz\_Ant\_1

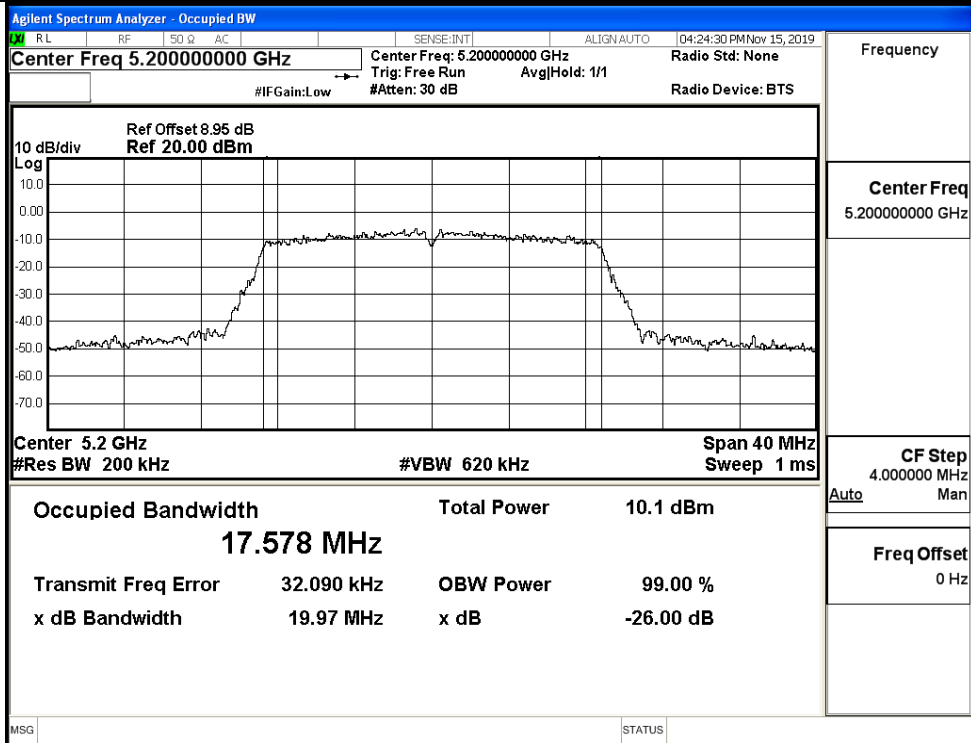
## B.4 Emission Bandwidth

| Test Mode | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Limit (MHz) | Verdict |
|-----------|---------|-----------------|----------------------|-------|-------------|---------|
|           |         |                 | Ant_0                | Ant_1 |             |         |
| 11A       | 36      | 5180            | 20.20                | 20.69 | No Limit    | Pass    |
|           | 40      | 5200            | 19.97                | 26.33 |             | Pass    |
|           | 48      | 5240            | 20.01                | 31.44 |             | Pass    |
| 11N20     | 36      | 5180            | 20.34                | 20.52 | No Limit    | Pass    |
|           | 40      | 5200            | 20.14                | 20.63 |             | Pass    |
|           | 48      | 5240            | 19.93                | 20.75 |             | Pass    |
| 11N40     | 38      | 5190            | 40.19                | 39.76 | No Limit    | Pass    |
|           | 46      | 5230            | 40.33                | 39.81 |             | Pass    |
| 11AC20    | 36      | 5180            | 20.00                | 21.13 | No Limit    | Pass    |
|           | 40      | 5200            | 20.22                | 22.08 |             | Pass    |
|           | 48      | 5240            | 20.10                | 21.08 |             | Pass    |
| 11AC40    | 38      | 5190            | 40.12                | 40.35 | No Limit    | Pass    |
|           | 46      | 5230            | 39.94                | 40.59 |             | Pass    |
| 11AC80    | 42      | 5210            | 107.4                | 78.46 | No Limit    | Pass    |

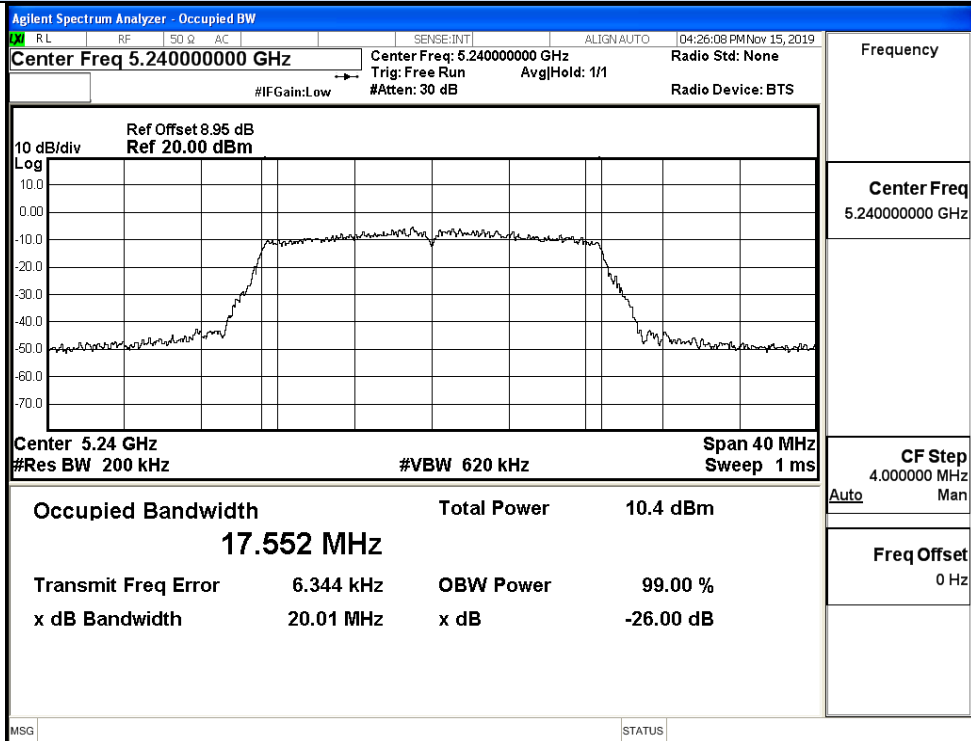
### 26dB Bandwidth\_Ant\_0



IEEE 802.11a / Channel 36 / 5180MHz\_Ant\_0

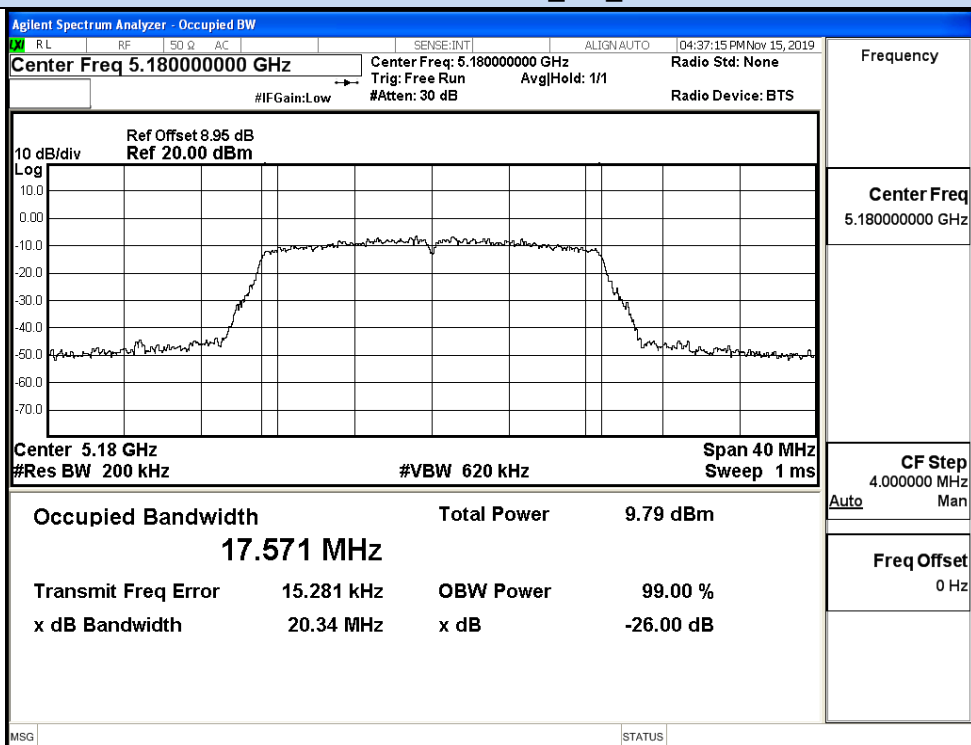


## IEEE 802.11a / Channel 40 / 5200MHz\_Ant\_0

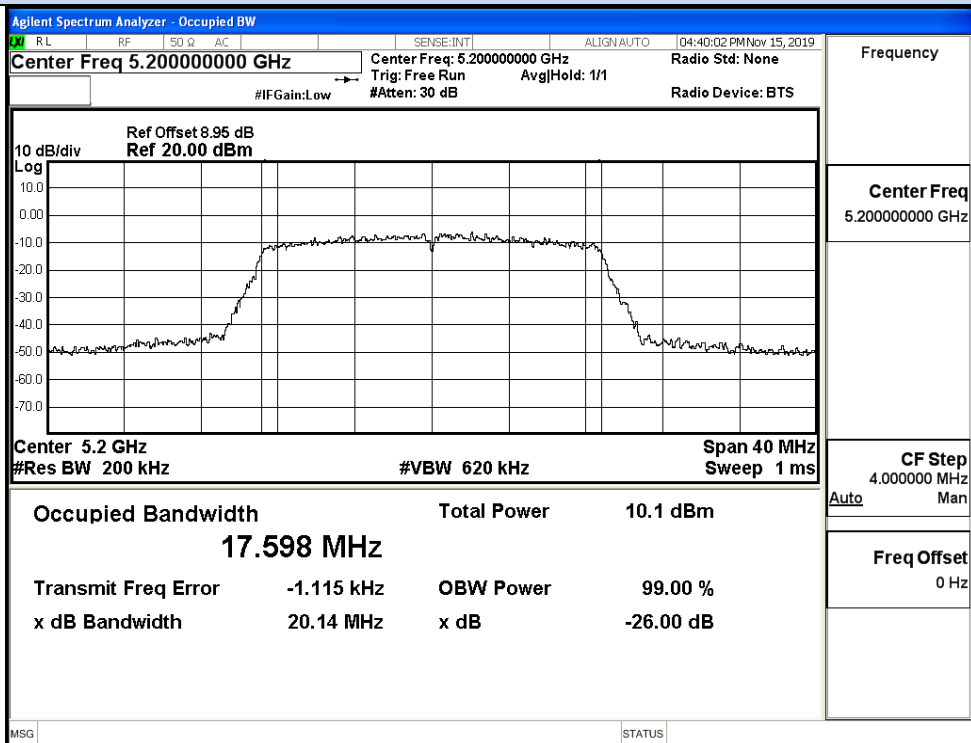


## IEEE 802.11a / Channel 48 / 5240MHz\_Ant\_0

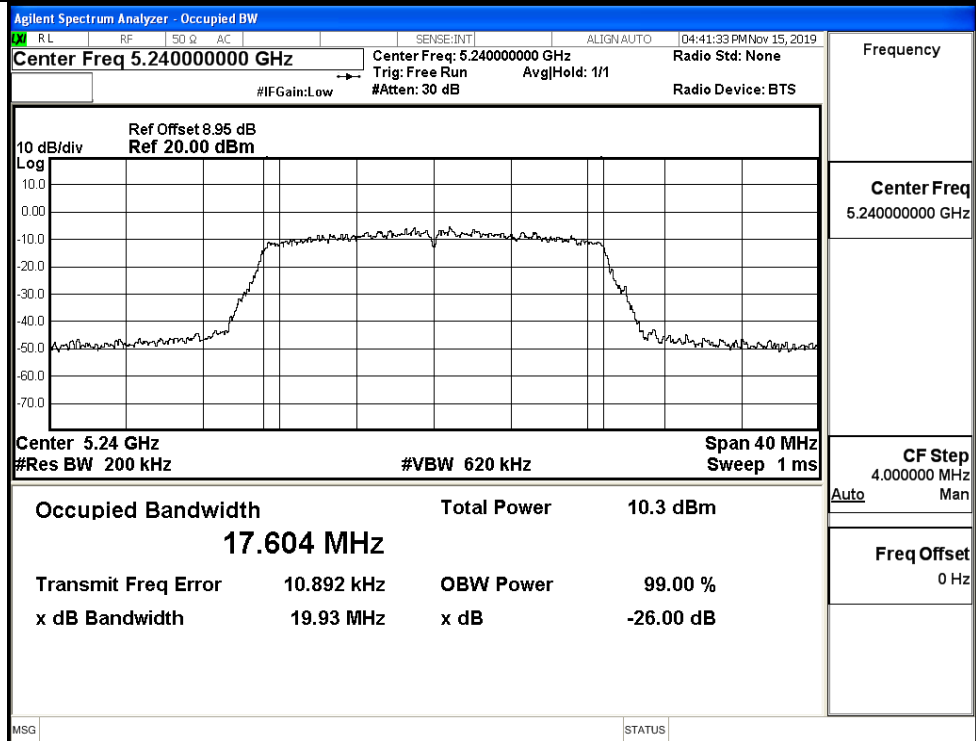
## 26dB Bandwidth\_Ant\_0



## IEEE 802.11n20 / Channel 36 / 5180MHz\_Ant\_0

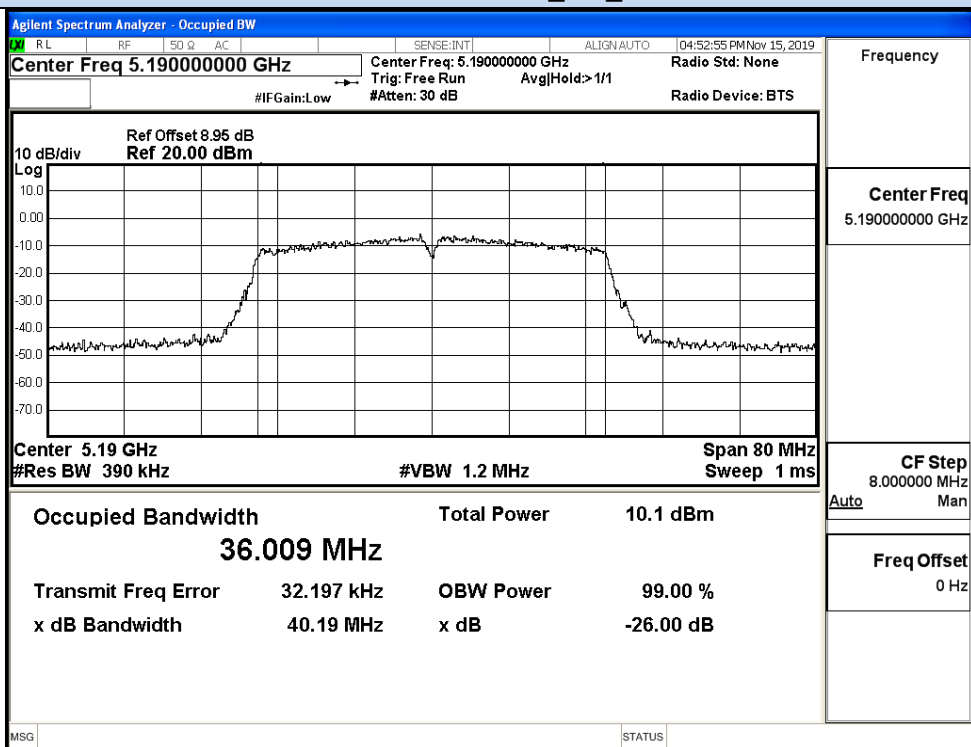


## IEEE 802.11n20 / Channel 40 / 5200MHz\_Ant\_0

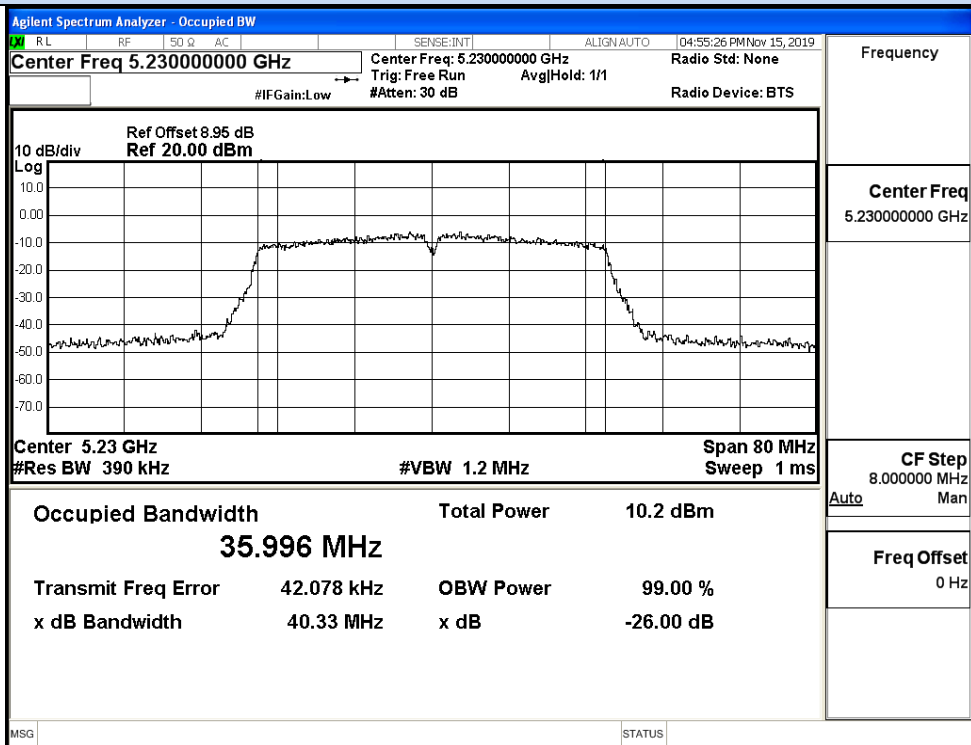


IEEE 802.11n20 / Channel 48 / 5240MHz\_Ant\_0

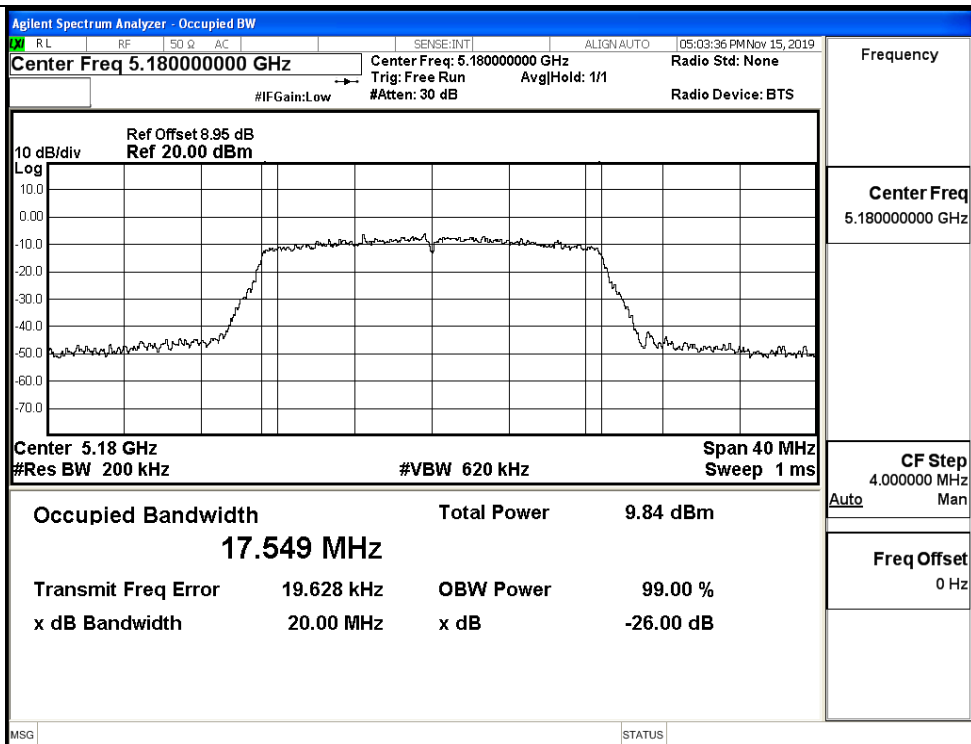
## 26dB Bandwidth\_Ant\_0



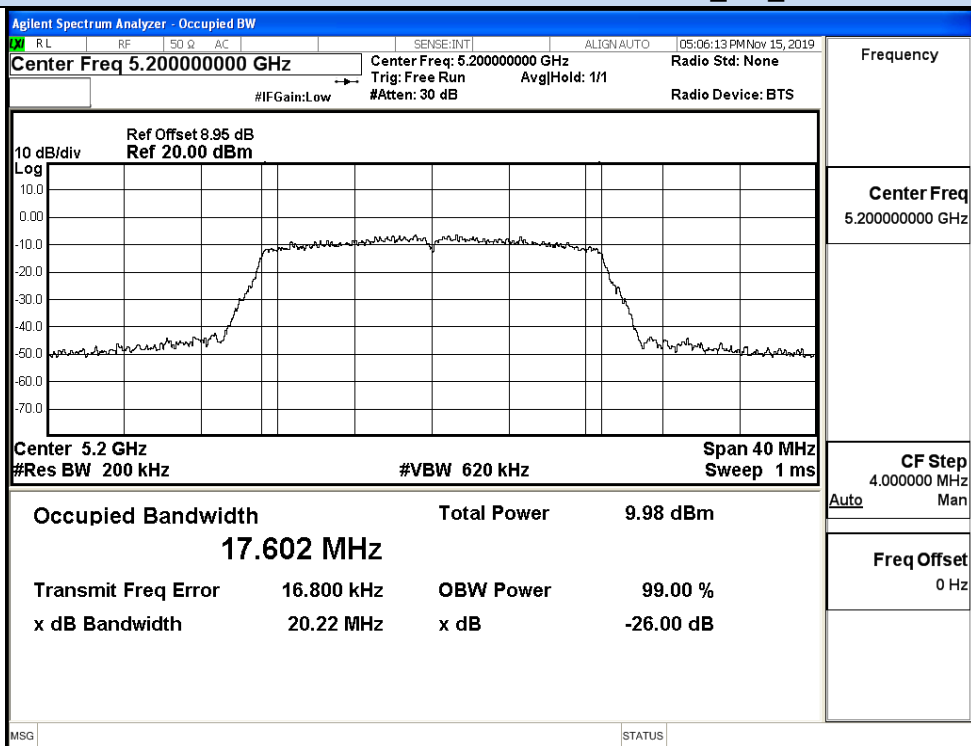
## IEEE 802.11n40 / Channel 38 / 5190MHz\_Ant\_0



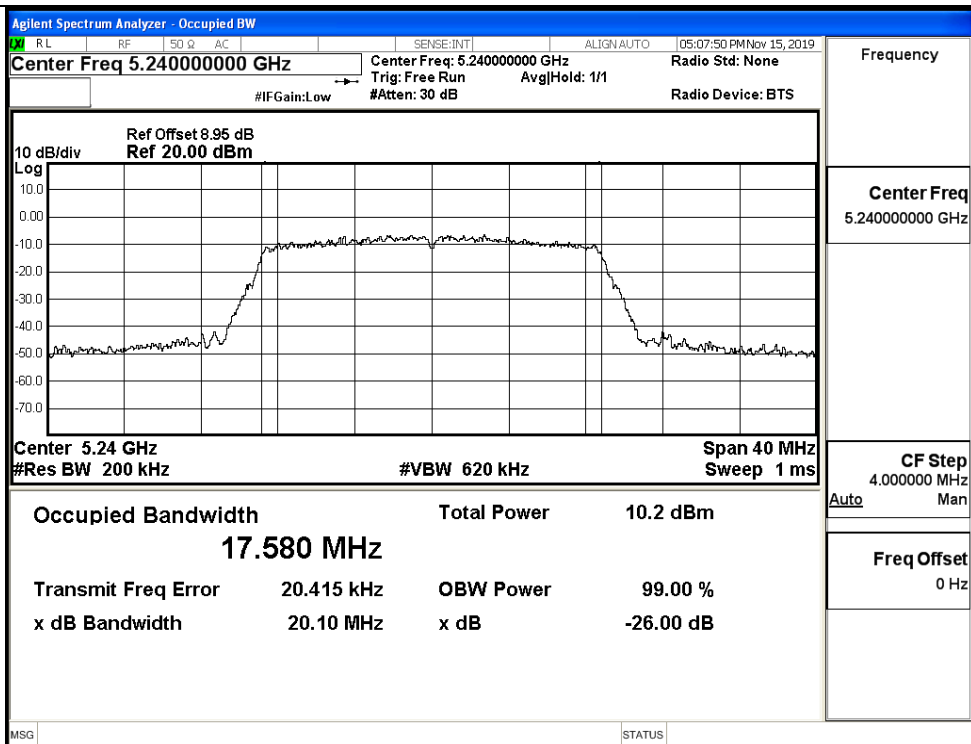
## IEEE 802.11n40 / Channel 46 / 5230MHz\_Ant\_0



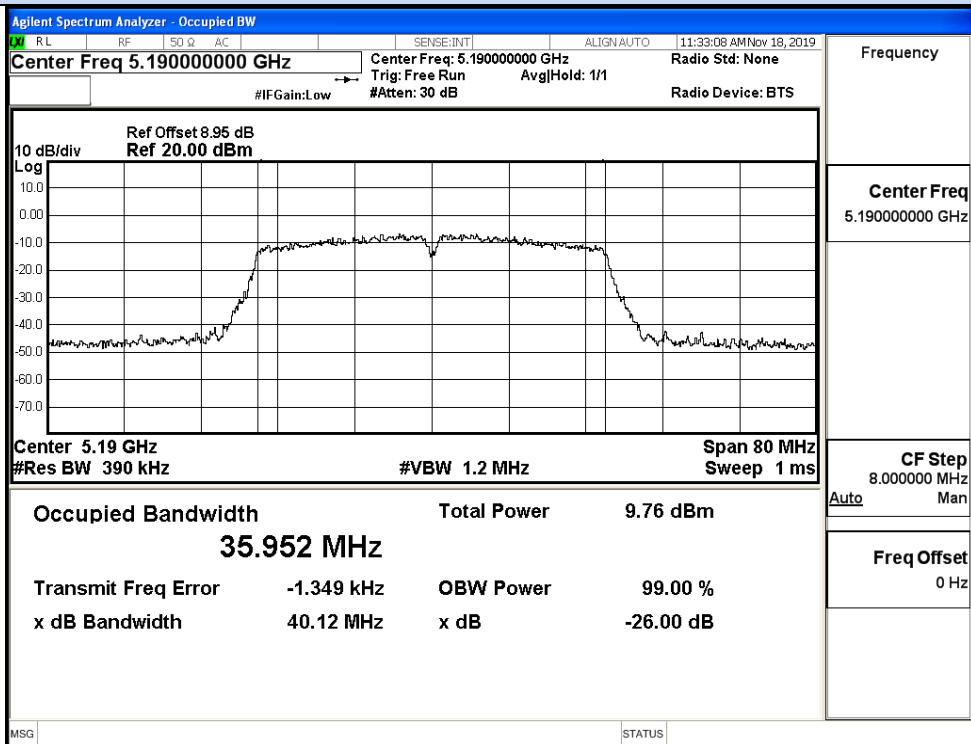
## IEEE 802.11ac20 / Channel 36 / 5180MHz\_Ant\_0



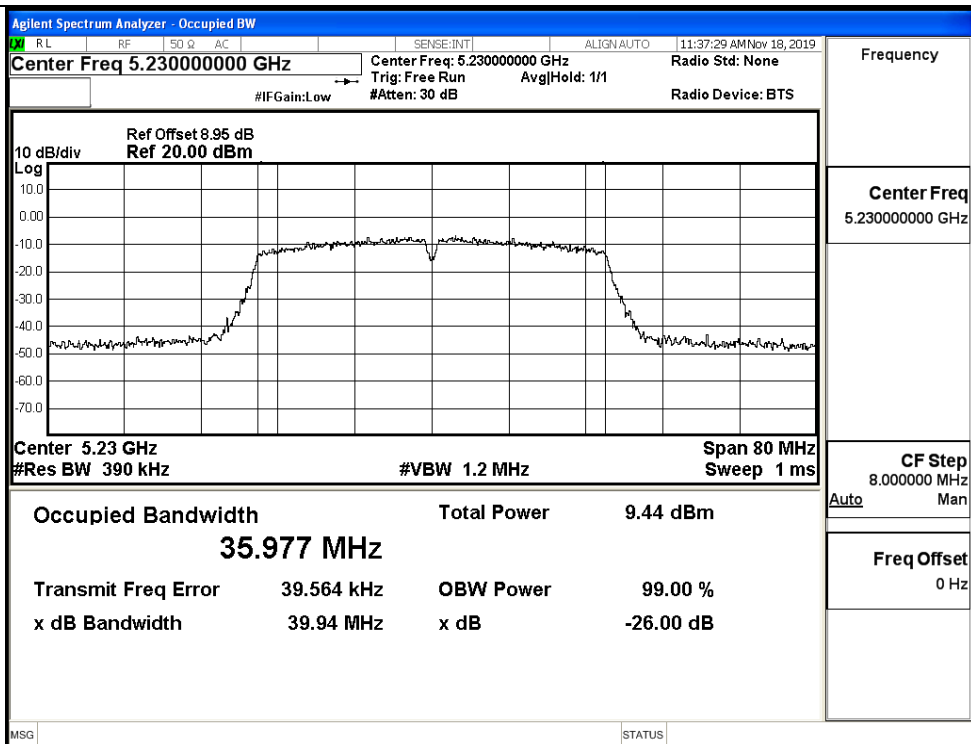
## IEEE 802.11ac20 / Channel 40 / 5200MHz\_Ant\_0



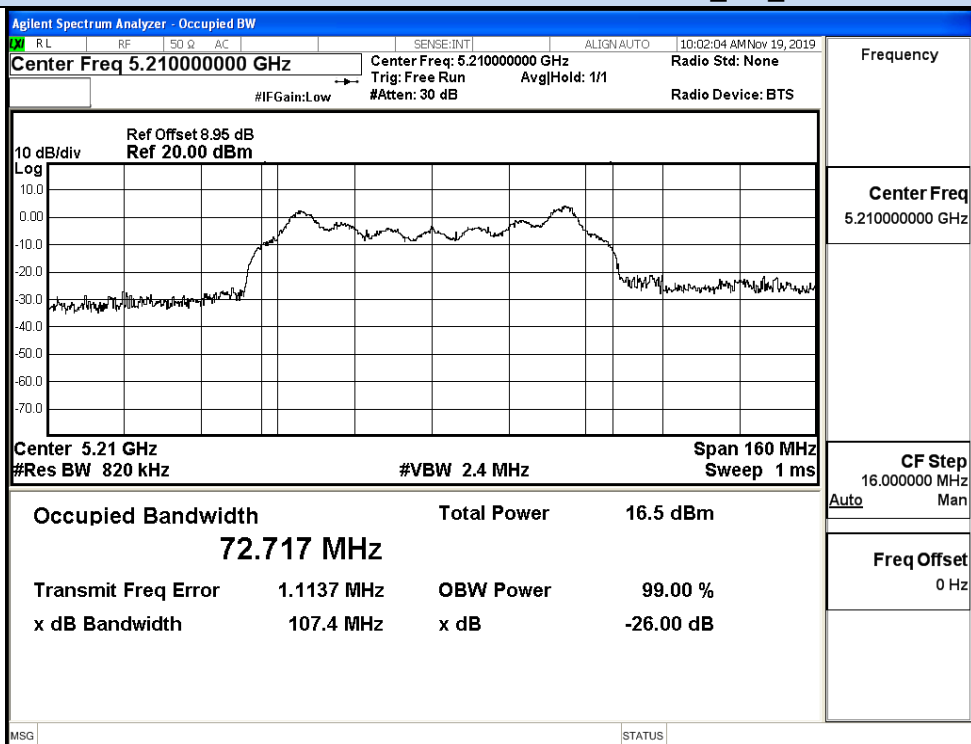
## IEEE 802.11ac20 / Channel 48 / 5240MHz\_Ant\_0



## IEEE 802.11ac40 / Channel 38 / 5190MHz\_Ant\_0

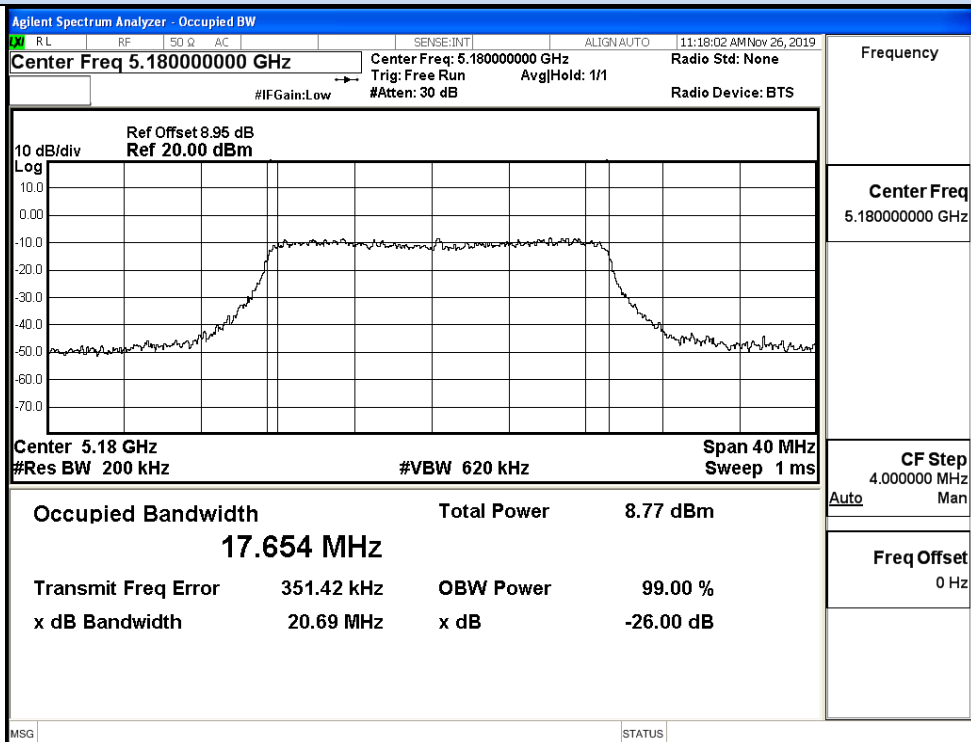


## IEEE 802.11ac40 / Channel 46 / 5230MHz\_Ant\_0

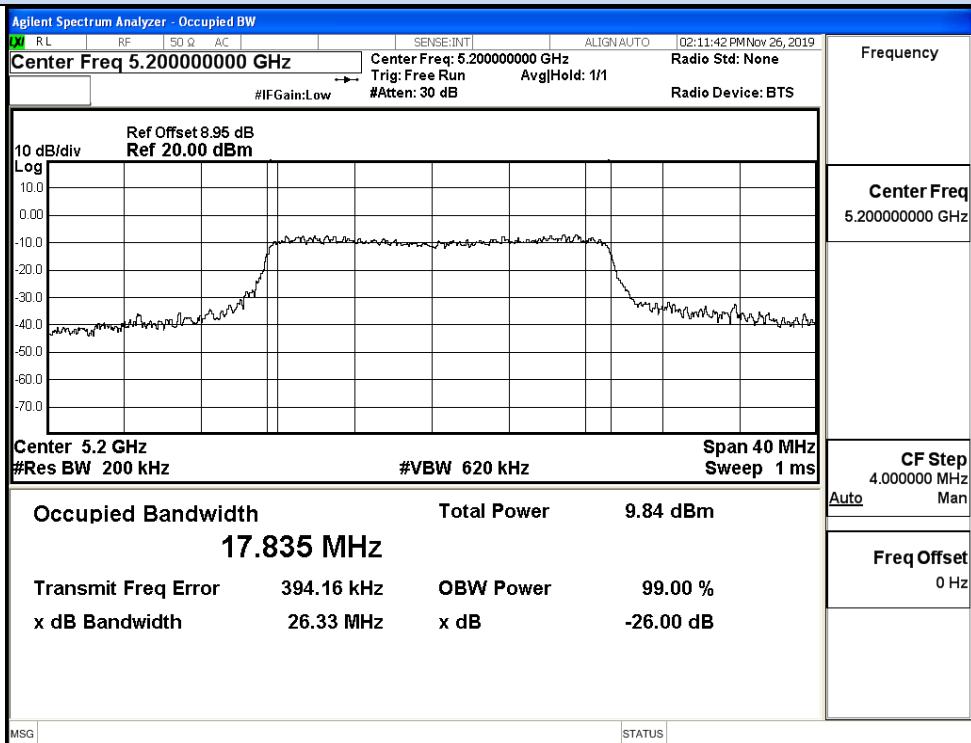


## IEEE 802.11ac80 / Channel 42 / 5210MHz\_Ant\_0

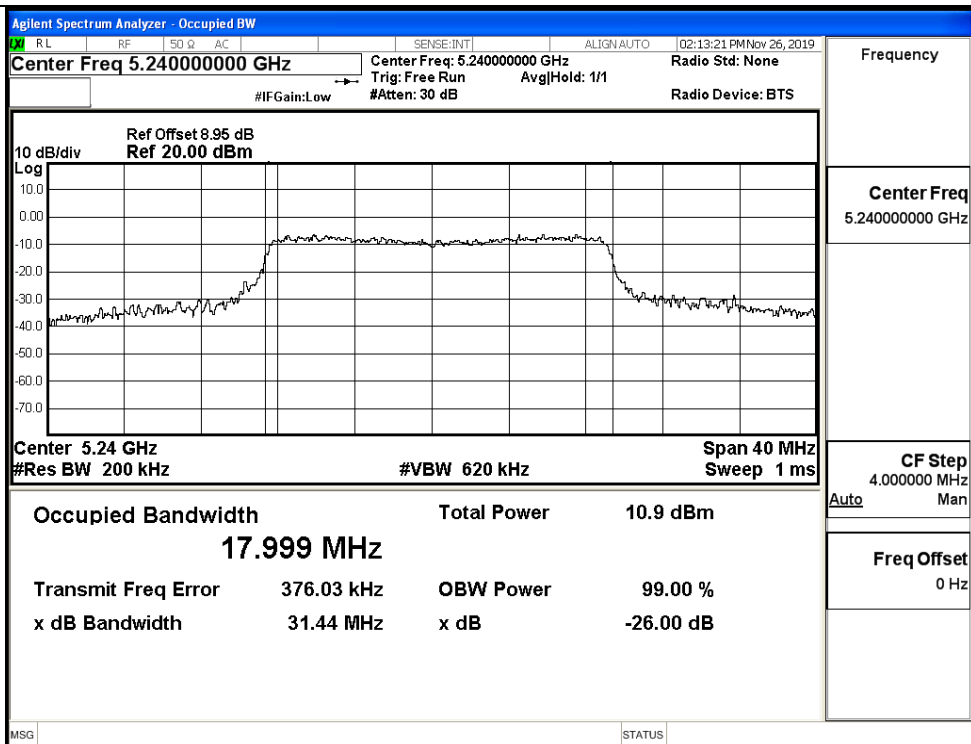
## 26dB Bandwidth\_Ant\_1



## IEEE 802.11a / Channel 36 / 5180MHz\_Ant\_1

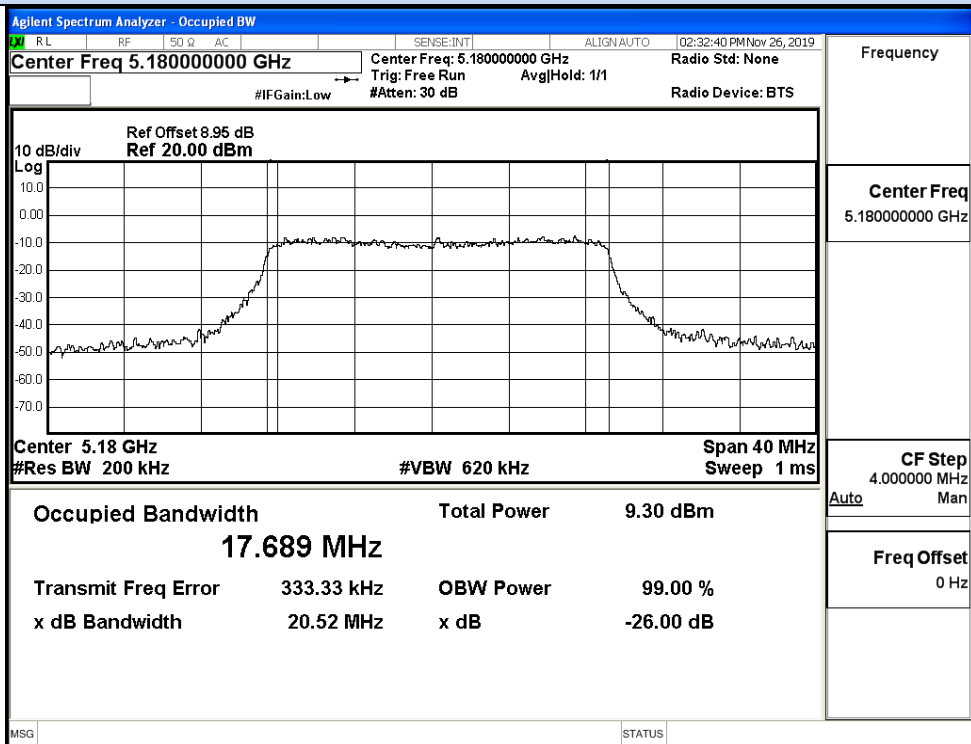


## IEEE 802.11a / Channel 40 / 5200MHz\_Ant\_1

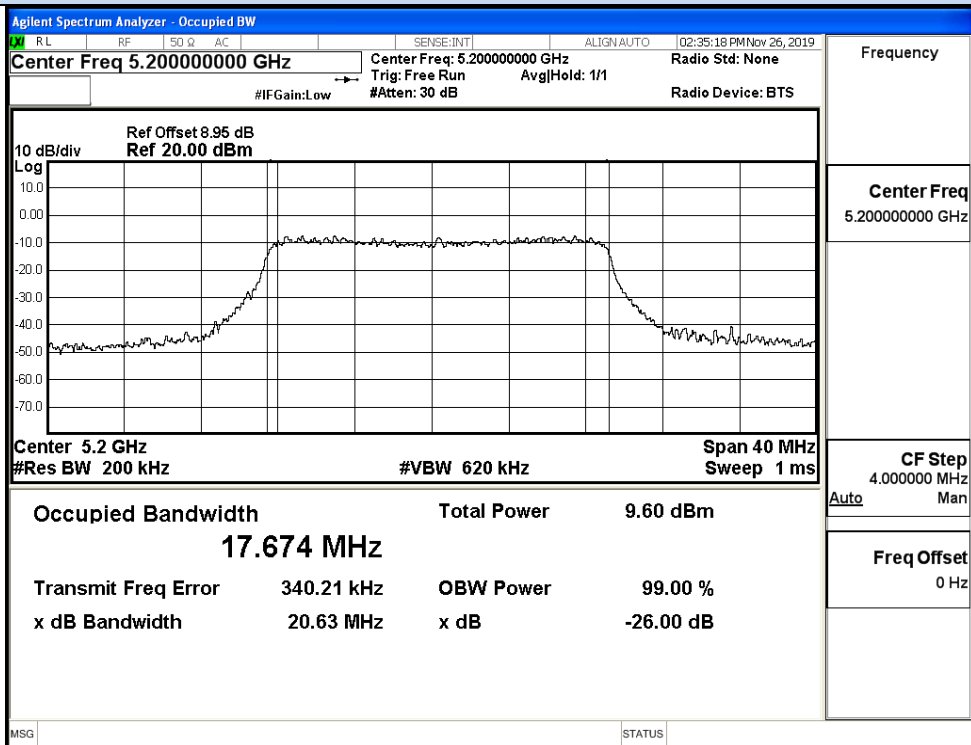


IEEE 802.11a / Channel 48 / 5240MHz\_Ant\_1

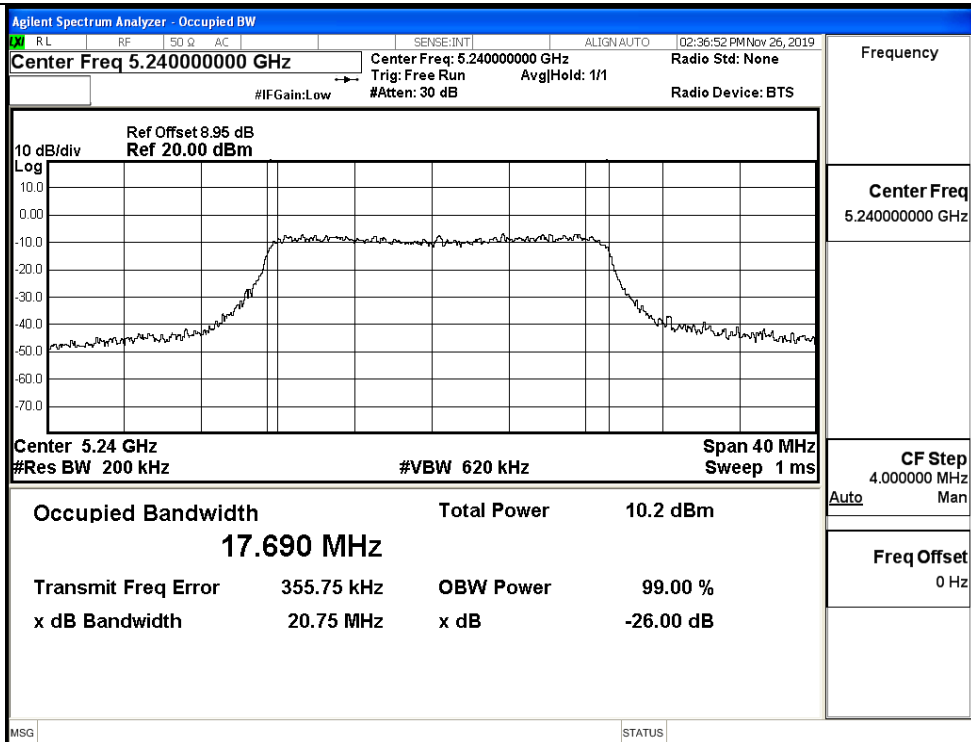
## 26dB Bandwidth\_Ant\_1



## IEEE 802.11n20 / Channel 36 / 5180MHz\_Ant\_1

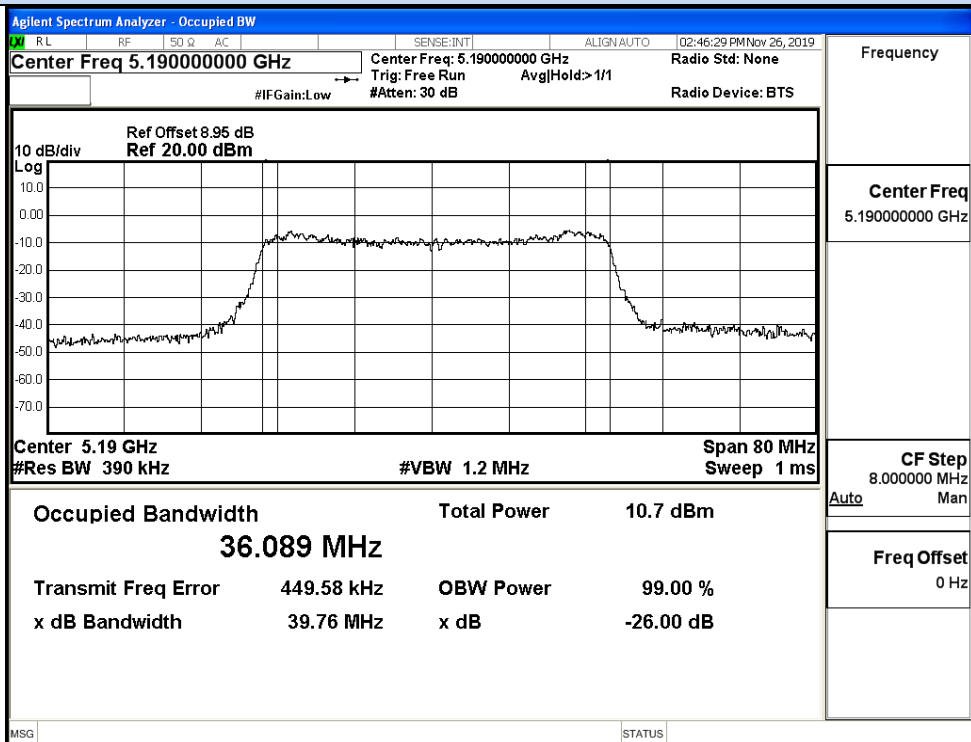


## IEEE 802.11n20 / Channel 40 / 5200MHz\_Ant\_1

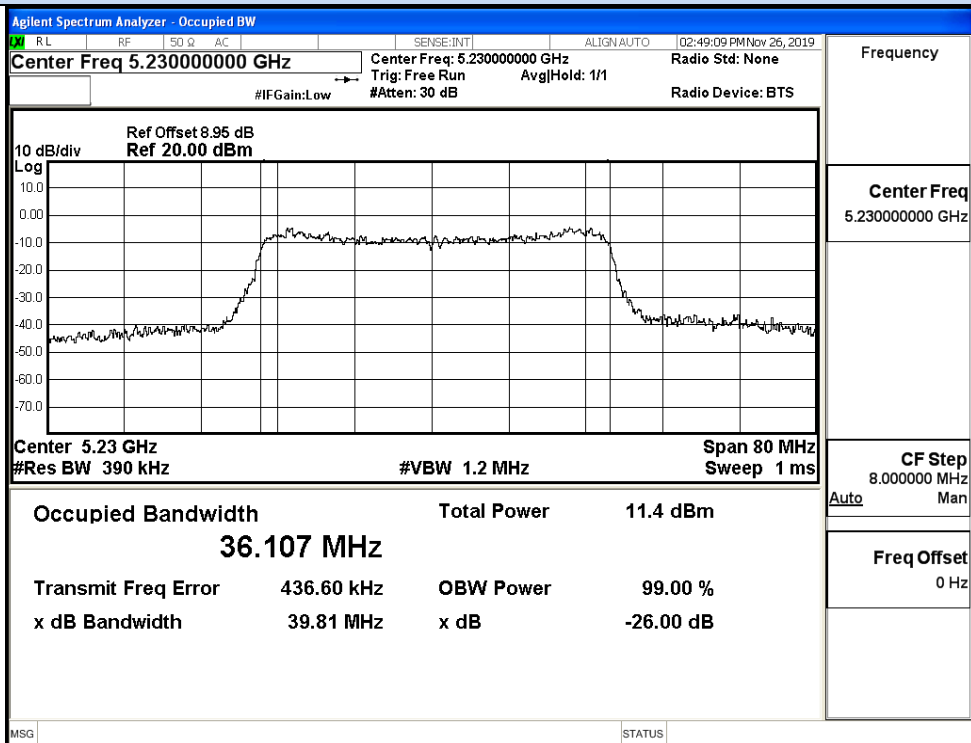


IEEE 802.11n20 / Channel 48 / 5240MHz\_Ant\_1

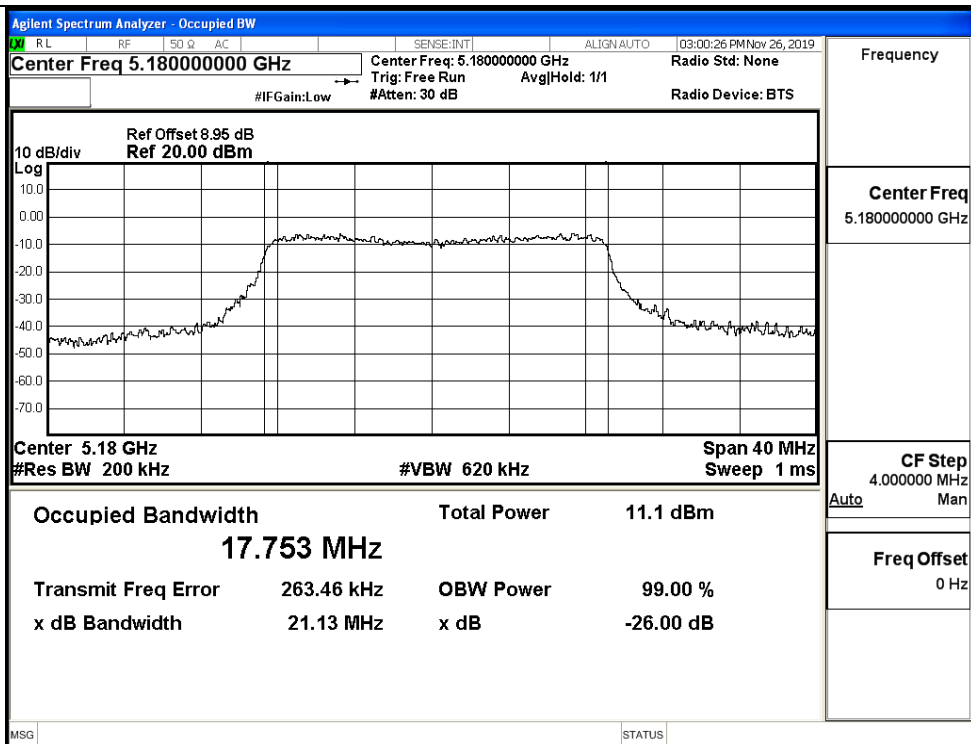
## 26dB Bandwidth\_Ant\_1



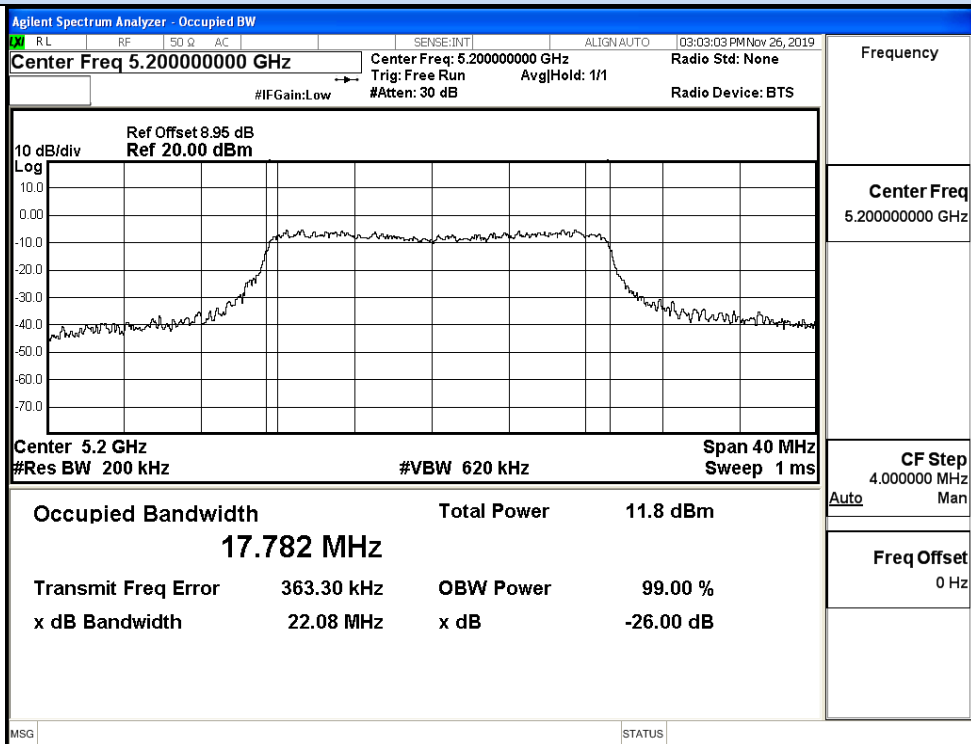
## IEEE 802.11n40 / Channel 38 / 5190MHz\_Ant\_1



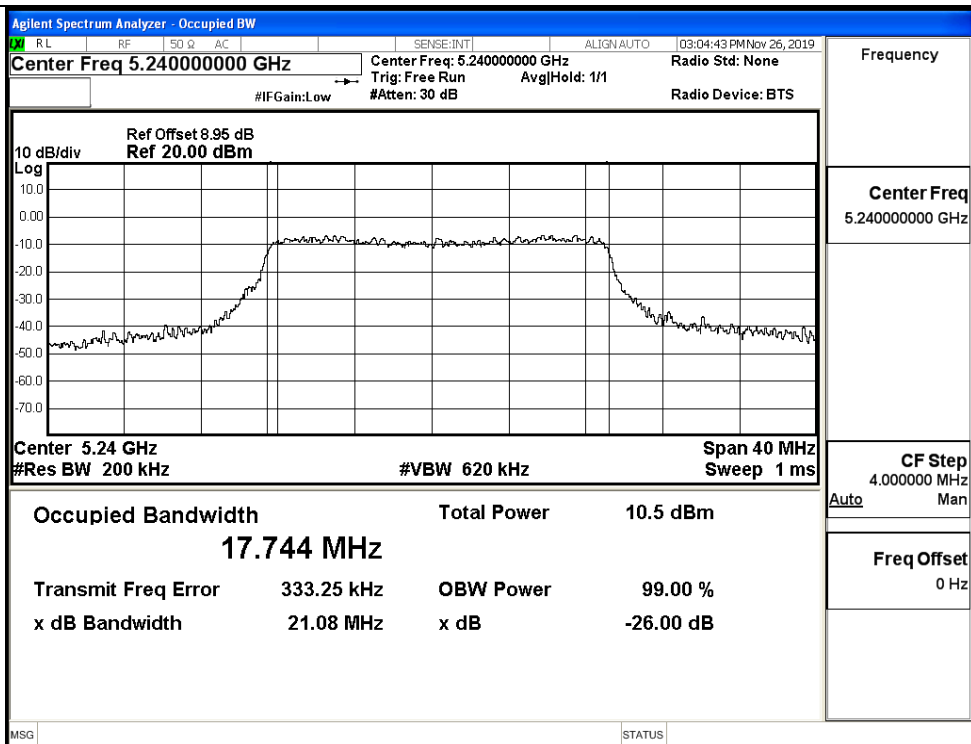
## IEEE 802.11n40 / Channel 46 / 5230MHz\_Ant\_1



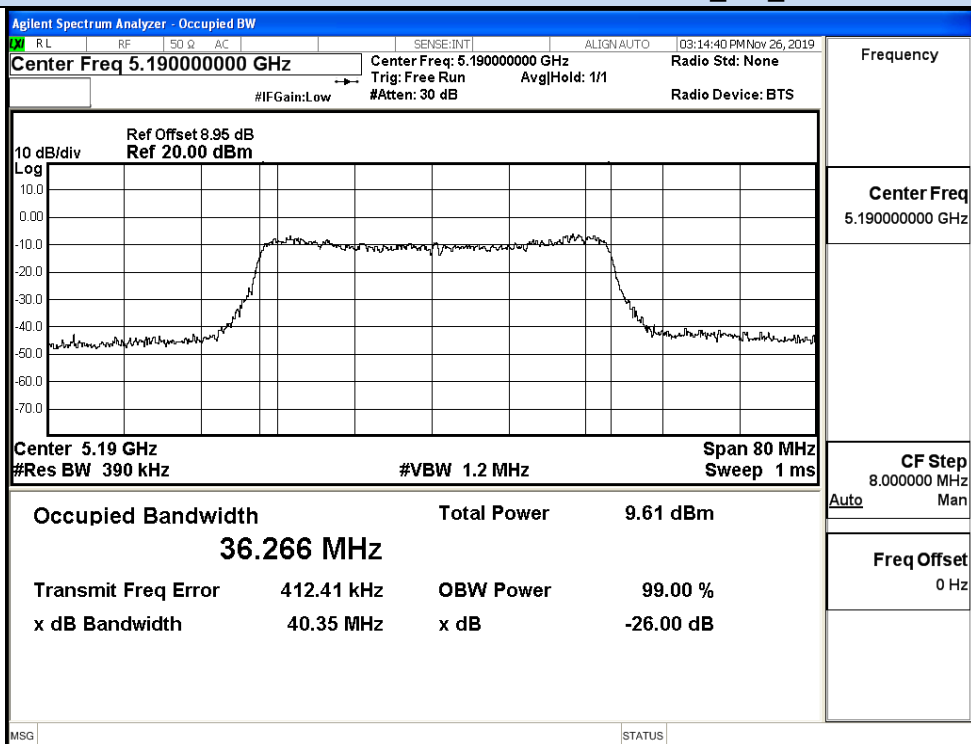
## IEEE 802.11ac20 / Channel 36 / 5180MHz\_Ant\_1



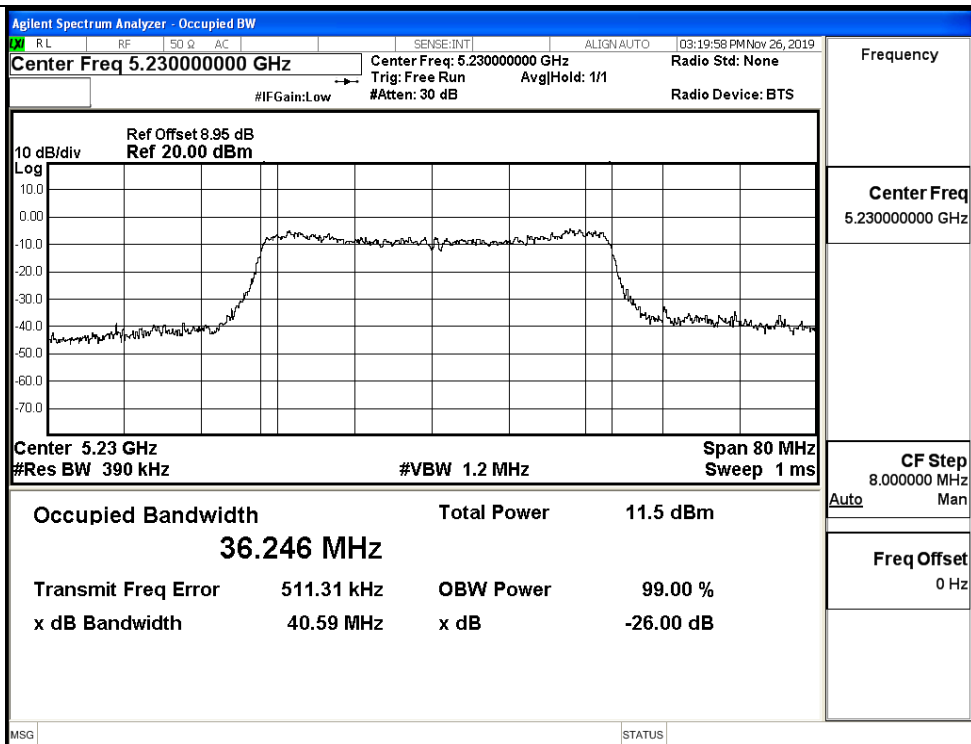
## IEEE 802.11ac20 / Channel 40 / 5200MHz\_Ant\_1



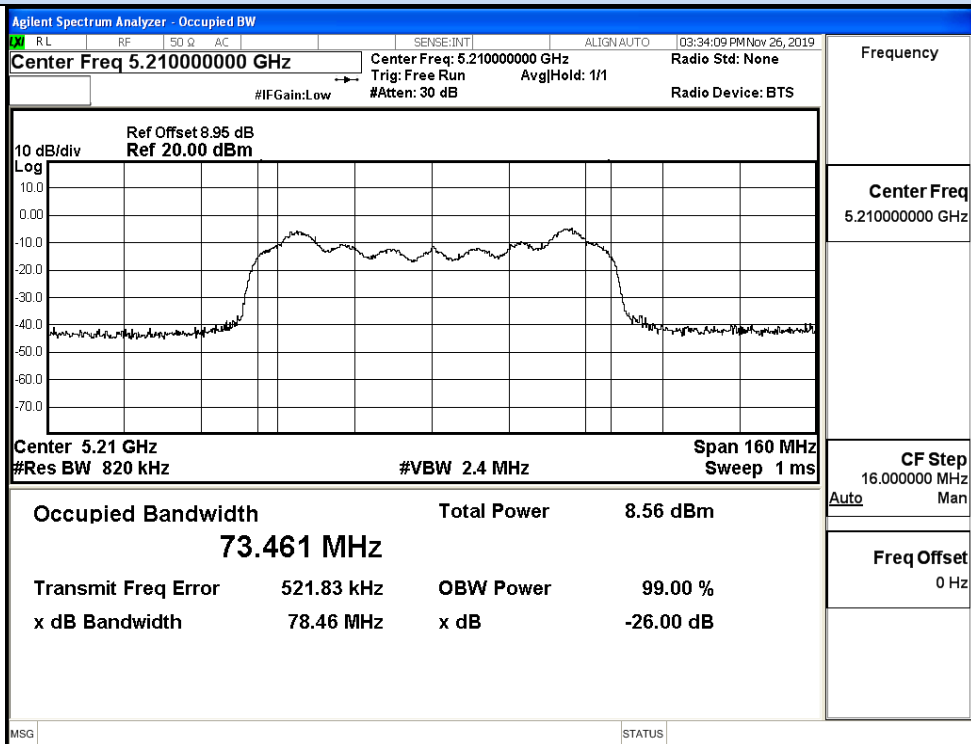
## IEEE 802.11ac20 / Channel 48 / 5240MHz\_Ant\_1



## IEEE 802.11ac40 / Channel 38 / 5190MHz\_Ant\_1



## IEEE 802.11ac40 / Channel 46 / 5230MHz\_Ant\_1



## IEEE 802.11ac80 / Channel 42 / 5210MHz\_Ant\_1

## B.5 Undesirable Emissions Measurement

## Ant\_0

| Test Mode         | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | Ground Reflection Factor (dB) | Covert Radiated E Level At 3m (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-------------------|---------|-----------------|-----------------------|--------------------|-------------------------------|----------------------------------------|----------|----------------|---------|
| 11A               | 36      | 4500.0          | -50.54                | 3.00               | 0                             | 47.69                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.22                | 3.00               | 0                             | 38.01                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -47.53                | 3.00               | 0                             | 50.70                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -57.75                | 3.00               | 0                             | 40.48                                  | Average  | 54.00          | Pass    |
|                   | 48      | 5350.0          | -47.61                | 3.00               | 0                             | 50.62                                  | Peak     | 68.20          | Pass    |
|                   |         | 5350.0          | -58.74                | 3.00               | 0                             | 39.49                                  | Average  | 54.00          | Pass    |
|                   |         | 5460.0          | -49.02                | 3.00               | 0                             | 49.21                                  | Peak     | 68.20          | Pass    |
|                   |         | 5460.0          | -59.09                | 3.00               | 0                             | 39.14                                  | Average  | 54.00          | Pass    |
| 11N2<br>0<br>SISO | 36      | 4500.0          | -50.21                | 3.00               | 0                             | 48.02                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.19                | 3.00               | 0                             | 38.04                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -48.18                | 3.00               | 0                             | 50.05                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -57.74                | 3.00               | 0                             | 40.49                                  | Average  | 54.00          | Pass    |
|                   | 48      | 5350.0          | -48.04                | 3.00               | 0                             | 50.19                                  | Peak     | 68.20          | Pass    |
|                   |         | 5350.0          | -58.77                | 3.00               | 0                             | 39.46                                  | Average  | 54.00          | Pass    |
|                   |         | 5460.0          | -47.17                | 3.00               | 0                             | 51.06                                  | Peak     | 68.20          | Pass    |
|                   |         | 5460.0          | -59.10                | 3.00               | 0                             | 39.13                                  | Average  | 54.00          | Pass    |
| 11N4<br>0<br>SISO | 38      | 4500.0          | -50.08                | 3.00               | 0                             | 48.15                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.21                | 3.00               | 0                             | 38.02                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -45.43                | 3.00               | 0                             | 52.80                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -56.82                | 3.00               | 0                             | 41.41                                  | Average  | 54.00          | Pass    |
|                   | 46      | 5350.0          | -48.80                | 3.00               | 0                             | 49.43                                  | Peak     | 68.20          | Pass    |
|                   |         | 5350.0          | -58.49                | 3.00               | 0                             | 39.74                                  | Average  | 54.00          | Pass    |
|                   |         | 5460.0          | -48.46                | 3.00               | 0                             | 49.77                                  | Peak     | 68.20          | Pass    |
|                   |         | 5460.0          | -58.81                | 3.00               | 0                             | 39.42                                  | Average  | 54.00          | Pass    |
| 11AC<br>20        | 36      | 4500.0          | -49.96                | 3.00               | 0                             | 48.27                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.22                | 3.00               | 0                             | 38.01                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -48.27                | 3.00               | 0                             | 49.96                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -57.82                | 3.00               | 0                             | 40.41                                  | Average  | 54.00          | Pass    |
|                   | 48      | 4500.0          | -49.96                | 3.00               | 0                             | 48.27                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.22                | 3.00               | 0                             | 38.01                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -48.27                | 3.00               | 0                             | 49.96                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -57.82                | 3.00               | 0                             | 40.41                                  | Average  | 54.00          | Pass    |
| 11AC<br>40        | 38      | 4500.0          | -50.22                | 3.00               | 0                             | 48.01                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.26                | 3.00               | 0                             | 37.97                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -48.01                | 3.00               | 0                             | 50.22                                  | Peak     | 68.20          | Pass    |

|            |    |        |        |      |   |       |         |       |      |
|------------|----|--------|--------|------|---|-------|---------|-------|------|
|            | 46 | 5150.0 | -57.24 | 3.00 | 0 | 40.99 | Average | 54.00 | Pass |
|            |    | 5350.0 | -48.22 | 3.00 | 0 | 50.01 | Peak    | 68.20 | Pass |
|            |    | 5350.0 | -59.26 | 3.00 | 0 | 38.97 | Average | 54.00 | Pass |
|            |    | 5460.0 | -49.04 | 3.00 | 0 | 49.19 | Peak    | 68.20 | Pass |
|            |    | 5460.0 | -59.16 | 3.00 | 0 | 39.07 | Average | 54.00 | Pass |
|            |    | 5460.0 | -59.16 | 3.00 | 0 | 39.07 | Average | 54.00 | Pass |
| 11AC<br>80 | 42 | 4500.0 | -45.77 | 3.00 | 0 | 52.46 | Peak    | 68.20 | Pass |
|            |    | 5150.0 | -56.02 | 3.00 | 0 | 42.21 | Average | 54.00 | Pass |
|            |    | 4500.0 | -48.02 | 3.00 | 0 | 50.21 | Peak    | 68.20 | Pass |
|            |    | 5150.0 | -57.17 | 3.00 | 0 | 41.06 | Average | 54.00 | Pass |
|            |    | 5350.0 | -45.77 | 3.00 | 0 | 52.46 | Peak    | 68.20 | Pass |
|            |    | 5460.0 | -56.02 | 3.00 | 0 | 42.21 | Average | 54.00 | Pass |
|            |    | 5350.0 | -48.02 | 3.00 | 0 | 50.21 | Peak    | 68.20 | Pass |
|            |    | 5460.0 | -57.17 | 3.00 | 0 | 41.06 | Average | 54.00 | Pass |
|            |    | 5460.0 | -57.17 | 3.00 | 0 | 41.06 | Average | 54.00 | Pass |

**Ant 1**

| Test Mode         | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | Ground Reflection Factor (dB) | Covert Radiated E Level At 3m (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-------------------|---------|-----------------|-----------------------|--------------------|-------------------------------|----------------------------------------|----------|----------------|---------|
| 11A               | 36      | 4500.0          | -50.75                | 3.00               | 0                             | 47.48                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.31                | 3.00               | 0                             | 37.92                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -47.22                | 3.00               | 0                             | 51.01                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -56.70                | 3.00               | 0                             | 41.53                                  | Average  | 54.00          | Pass    |
|                   | 48      | 5350.0          | -46.70                | 3.00               | 0                             | 51.53                                  | Peak     | 68.20          | Pass    |
|                   |         | 5350.0          | -57.14                | 3.00               | 0                             | 41.09                                  | Average  | 54.00          | Pass    |
|                   |         | 5460.0          | -48.05                | 3.00               | 0                             | 50.18                                  | Peak     | 68.20          | Pass    |
|                   |         | 5460.0          | -58.03                | 3.00               | 0                             | 40.20                                  | Average  | 54.00          | Pass    |
| 11N2<br>0<br>SISO | 36      | 4500.0          | -50.55                | 3.00               | 0                             | 47.68                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.25                | 3.00               | 0                             | 37.98                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -47.17                | 3.00               | 0                             | 51.06                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -56.63                | 3.00               | 0                             | 41.60                                  | Average  | 54.00          | Pass    |
|                   | 48      | 5350.0          | -46.19                | 3.00               | 0                             | 52.04                                  | Peak     | 68.20          | Pass    |
|                   |         | 5350.0          | -57.15                | 3.00               | 0                             | 41.08                                  | Average  | 54.00          | Pass    |
|                   |         | 5460.0          | -47.11                | 3.00               | 0                             | 51.12                                  | Peak     | 68.20          | Pass    |
|                   |         | 5460.0          | -58.31                | 3.00               | 0                             | 39.92                                  | Average  | 54.00          | Pass    |
| 11N4<br>0<br>SISO | 38      | 4500.0          | -49.75                | 3.00               | 0                             | 48.48                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.28                | 3.00               | 0                             | 37.95                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -44.51                | 3.00               | 0                             | 53.72                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -55.18                | 3.00               | 0                             | 43.05                                  | Average  | 54.00          | Pass    |
|                   | 46      | 5350.0          | -45.94                | 3.00               | 0                             | 52.29                                  | Peak     | 68.20          | Pass    |
|                   |         | 5350.0          | -57.29                | 3.00               | 0                             | 40.94                                  | Average  | 54.00          | Pass    |
|                   |         | 5460.0          | -47.46                | 3.00               | 0                             | 50.77                                  | Peak     | 68.20          | Pass    |
|                   |         | 5460.0          | -58.23                | 3.00               | 0                             | 40.00                                  | Average  | 54.00          | Pass    |
| 11A<br>C20        | 36      | 4500.0          | -50.63                | 3.00               | 0                             | 47.60                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.26                | 3.00               | 0                             | 37.97                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -47.02                | 3.00               | 0                             | 51.21                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -56.42                | 3.00               | 0                             | 41.81                                  | Average  | 54.00          | Pass    |
|                   | 48      | 4500.0          | -50.63                | 3.00               | 0                             | 47.60                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.26                | 3.00               | 0                             | 37.97                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -47.02                | 3.00               | 0                             | 51.21                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -56.42                | 3.00               | 0                             | 41.81                                  | Average  | 54.00          | Pass    |
| 11A<br>C40        | 38      | 4500.0          | -49.47                | 3.00               | 0                             | 48.76                                  | Peak     | 68.20          | Pass    |
|                   |         | 4500.0          | -60.29                | 3.00               | 0                             | 37.94                                  | Average  | 54.00          | Pass    |
|                   |         | 5150.0          | -45.47                | 3.00               | 0                             | 52.76                                  | Peak     | 68.20          | Pass    |
|                   |         | 5150.0          | -55.99                | 3.00               | 0                             | 42.24                                  | Average  | 54.00          | Pass    |

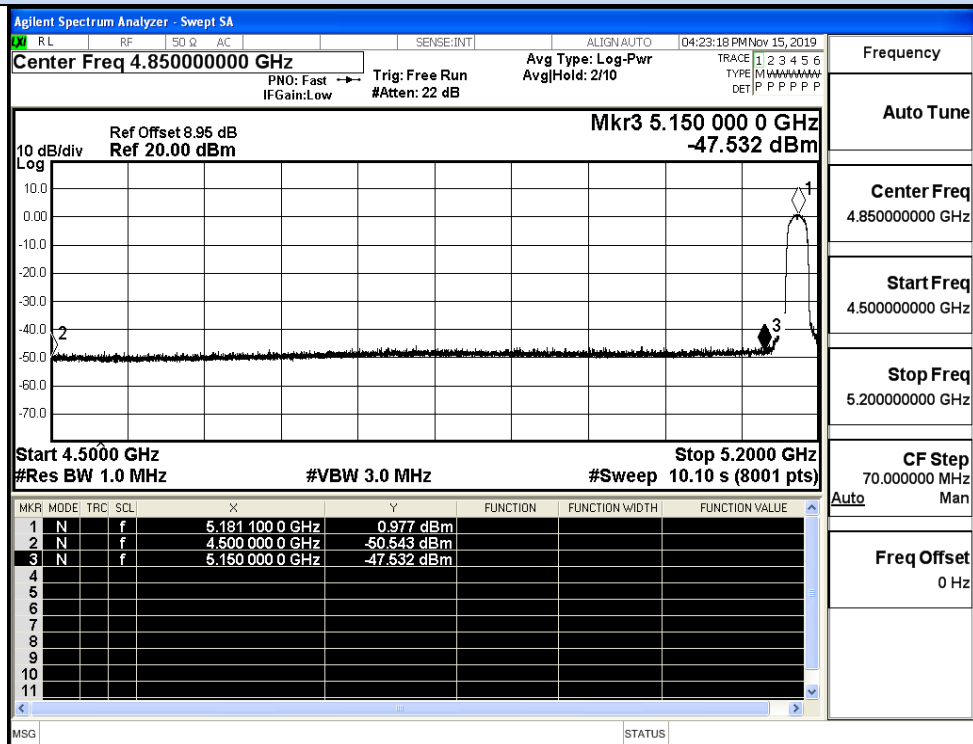
|            |    |        |        |      |   |       |         |       |      |
|------------|----|--------|--------|------|---|-------|---------|-------|------|
|            | 46 | 5350.0 | -47.87 | 3.00 | 0 | 50.36 | Peak    | 68.20 | Pass |
|            |    | 5350.0 | -57.41 | 3.00 | 0 | 40.82 | Average | 54.00 | Pass |
|            |    | 5460.0 | -48.16 | 3.00 | 0 | 50.07 | Peak    | 68.20 | Pass |
|            |    | 5460.0 | -58.28 | 3.00 | 0 | 39.95 | Average | 54.00 | Pass |
| 11A<br>C80 | 42 | 4500.0 | -46.97 | 3.00 | 0 | 51.26 | Peak    | 68.20 | Pass |
|            |    | 5150.0 | -57.38 | 3.00 | 0 | 40.85 | Average | 54.00 | Pass |
|            |    | 4500.0 | -48.28 | 3.00 | 0 | 49.95 | Peak    | 68.20 | Pass |
|            |    | 5150.0 | -58.02 | 3.00 | 0 | 40.21 | Average | 54.00 | Pass |
|            |    | 5350.0 | -46.97 | 3.00 | 0 | 51.26 | Peak    | 68.20 | Pass |
|            |    | 5460.0 | -57.38 | 3.00 | 0 | 40.85 | Average | 54.00 | Pass |
|            |    | 5350.0 | -48.28 | 3.00 | 0 | 49.95 | Peak    | 68.20 | Pass |
|            |    | 5460.0 | -58.02 | 3.00 | 0 | 40.21 | Average | 54.00 | Pass |
|            |    |        |        |      |   |       |         |       |      |

**Combined Ant\_0 and Ant\_1**

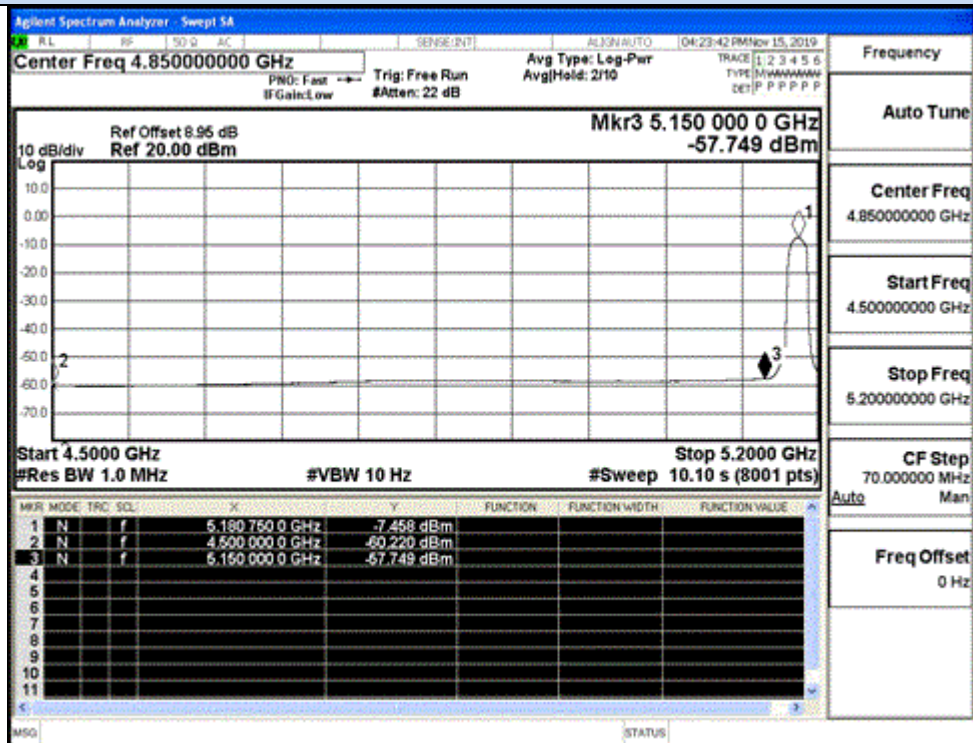
| Test Mode | Channel | Frequency (MHz) | Conducted Power (dBm) |        |        | Directional Antenna Gain (dBi) | Ground Reflection Factor (dB) | Covert Radiated E Level At 3m (dBuV/m) | Detector | Limit (dBuV/m) |
|-----------|---------|-----------------|-----------------------|--------|--------|--------------------------------|-------------------------------|----------------------------------------|----------|----------------|
|           |         |                 | Ant_0                 | Ant_1  | Sum    |                                |                               |                                        |          |                |
| 11N20     | 36      | 4500.0          | -50.21                | -50.55 | -47.37 | 6.01                           | 0                             | 53.90                                  | Peak     | 68.20          |
|           |         | 4500.0          | -60.19                | -60.25 | -57.21 | 6.01                           | 0                             | 44.03                                  | Average  | 54.00          |
|           |         | 5150.0          | -48.18                | -47.17 | -44.64 | 6.01                           | 0                             | 56.60                                  | Peak     | 68.20          |
|           |         | 5150.0          | -57.74                | -56.63 | -54.14 | 6.01                           | 0                             | 47.10                                  | Average  | 54.00          |
|           | 48      | 5350.0          | -48.04                | -46.19 | -44.01 | 6.01                           | 0                             | 57.23                                  | Peak     | 68.20          |
|           |         | 5350.0          | -58.77                | -57.15 | -54.87 | 6.01                           | 0                             | 46.36                                  | Average  | 54.00          |
|           |         | 5460.0          | -47.17                | -47.11 | -44.13 | 6.01                           | 0                             | 57.11                                  | Peak     | 68.20          |
|           |         | 5460.0          | -59.10                | -58.31 | -55.68 | 6.01                           | 0                             | 45.56                                  | Average  | 54.00          |
| 11N40     | 38      | 4500.0          | -50.08                | -49.75 | -46.90 | 6.01                           | 0                             | 54.34                                  | Peak     | 68.20          |
|           |         | 4500.0          | -60.21                | -60.28 | -57.23 | 6.01                           | 0                             | 44.00                                  | Average  | 54.00          |
|           |         | 5150.0          | -45.43                | -44.51 | -41.94 | 6.01                           | 0                             | 59.30                                  | Peak     | 68.20          |
|           |         | 5150.0          | -56.82                | -55.18 | -52.91 | 6.01                           | 0                             | 48.33                                  | Average  | 54.00          |
|           | 46      | 5350.0          | -48.80                | -45.94 | -44.13 | 6.01                           | 0                             | 57.11                                  | Peak     | 68.20          |
|           |         | 5350.0          | -58.49                | -57.29 | -54.84 | 6.01                           | 0                             | 46.40                                  | Average  | 54.00          |
|           |         | 5460.0          | -48.46                | -47.46 | -44.92 | 6.01                           | 0                             | 56.32                                  | Peak     | 68.20          |
|           |         | 5460.0          | -58.81                | -58.23 | -55.50 | 6.01                           | 0                             | 45.74                                  | Average  | 54.00          |
| 11AC20    | 36      | 4500.0          | -49.96                | -50.63 | -47.27 | 6.01                           | 0                             | 53.97                                  | Peak     | 68.20          |
|           |         | 4500.0          | -60.22                | -60.26 | -57.23 | 6.01                           | 0                             | 44.01                                  | Average  | 54.00          |
|           |         | 5150.0          | -48.27                | -47.02 | -44.59 | 6.01                           | 0                             | 56.65                                  | Peak     | 68.20          |
|           |         | 5150.0          | -57.82                | -56.42 | -54.05 | 6.01                           | 0                             | 47.18                                  | Average  | 54.00          |
|           | 48      | 4500.0          | -49.96                | -50.63 | -47.27 | 6.01                           | 0                             | 53.97                                  | Peak     | 68.20          |
|           |         | 4500.0          | -60.22                | -60.26 | -57.23 | 6.01                           | 0                             | 44.01                                  | Average  | 54.00          |
|           |         | 5150.0          | -48.27                | -47.02 | -44.59 | 6.01                           | 0                             | 56.65                                  | Peak     | 68.20          |
|           |         | 5150.0          | -57.82                | -56.42 | -54.05 | 6.01                           | 0                             | 47.18                                  | Average  | 54.00          |
| 11AC40    | 38      | 4500.0          | -50.22                | -49.47 | -46.82 | 6.01                           | 0                             | 54.42                                  | Peak     | 68.20          |
|           |         | 4500.0          | -60.26                | -60.29 | -57.26 | 6.01                           | 0                             | 43.97                                  | Average  | 54.00          |
|           |         | 5150.0          | -48.01                | -45.47 | -43.55 | 6.01                           | 0                             | 57.69                                  | Peak     | 68.20          |
|           |         | 5150.0          | -57.24                | -55.99 | -53.56 | 6.01                           | 0                             | 47.68                                  | Average  | 54.00          |
|           | 46      | 5350.0          | -48.22                | -47.87 | -45.03 | 6.01                           | 0                             | 56.21                                  | Peak     | 68.20          |
|           |         | 5350.0          | -59.26                | -57.41 | -55.23 | 6.01                           | 0                             | 46.01                                  | Average  | 54.00          |
|           |         | 5460.0          | -49.04                | -48.16 | -45.57 | 6.01                           | 0                             | 55.67                                  | Peak     | 68.20          |
|           |         | 5460.0          | -59.16                | -58.28 | -55.69 | 6.01                           | 0                             | 45.55                                  | Average  | 54.00          |
| 11AC80    | 42      | 4500.0          | -45.77                | -46.97 | -43.32 | 6.01                           | 0                             | 57.92                                  | Peak     | 68.20          |
|           |         | 5150.0          | -56.02                | -57.38 | -53.64 | 6.01                           | 0                             | 47.60                                  | Average  | 54.00          |
|           |         | 4500.0          | -48.02                | -48.28 | -45.14 | 6.01                           | 0                             | 56.10                                  | Peak     | 68.20          |

|  |  |        |        |        |        |      |   |       |         |       |
|--|--|--------|--------|--------|--------|------|---|-------|---------|-------|
|  |  | 5150.0 | -57.17 | -58.02 | -54.56 | 6.01 | 0 | 46.67 | Average | 54.00 |
|  |  | 5350.0 | -45.77 | -46.97 | -43.32 | 6.01 | 0 | 57.92 | Peak    | 68.20 |
|  |  | 5460.0 | -56.02 | -57.38 | -53.64 | 6.01 | 0 | 47.60 | Average | 54.00 |
|  |  | 5350.0 | -48.02 | -48.28 | -45.14 | 6.01 | 0 | 56.10 | Peak    | 68.20 |
|  |  | 5460.0 | -57.17 | -58.02 | -54.56 | 6.01 | 0 | 46.67 | Average | 54.00 |

## Undesirable Emissions Measurement\_Ant\_0

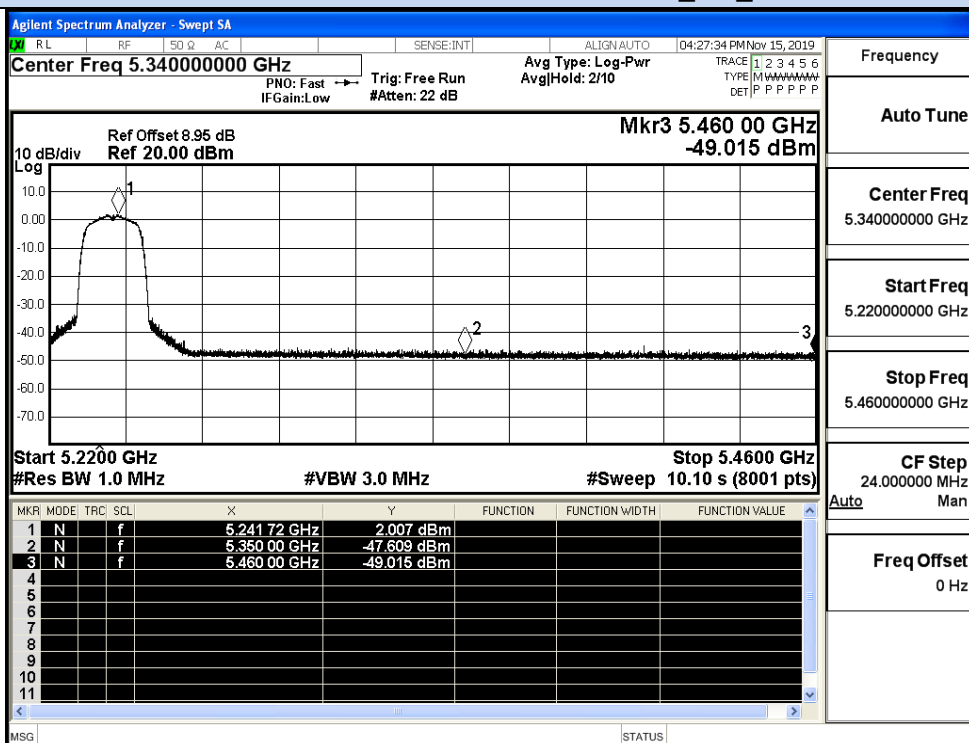


## IEEE 802.11a / Channel 36 / 5180MHz / Peak\_Ant\_0

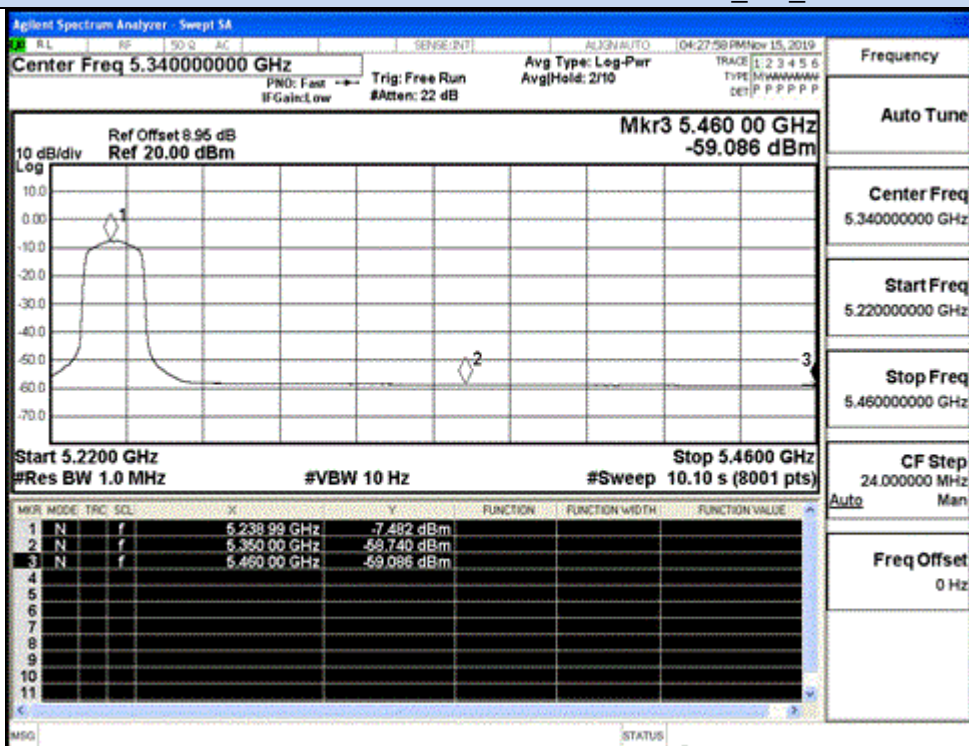


## IEEE 802.11a / Channel 36 / 5180MHz / Average\_Ant\_0

## Undesirable Emissions Measurement\_Ant\_0

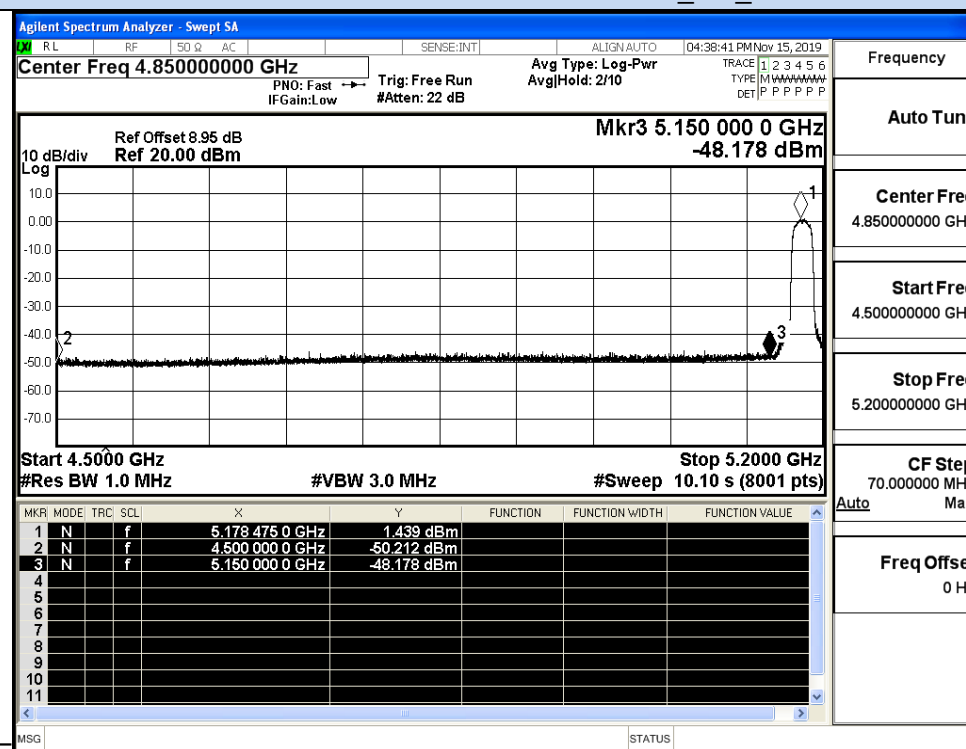


## IEEE 802.11a / Channel 48 / 5240MHz / Peak\_Ant\_0

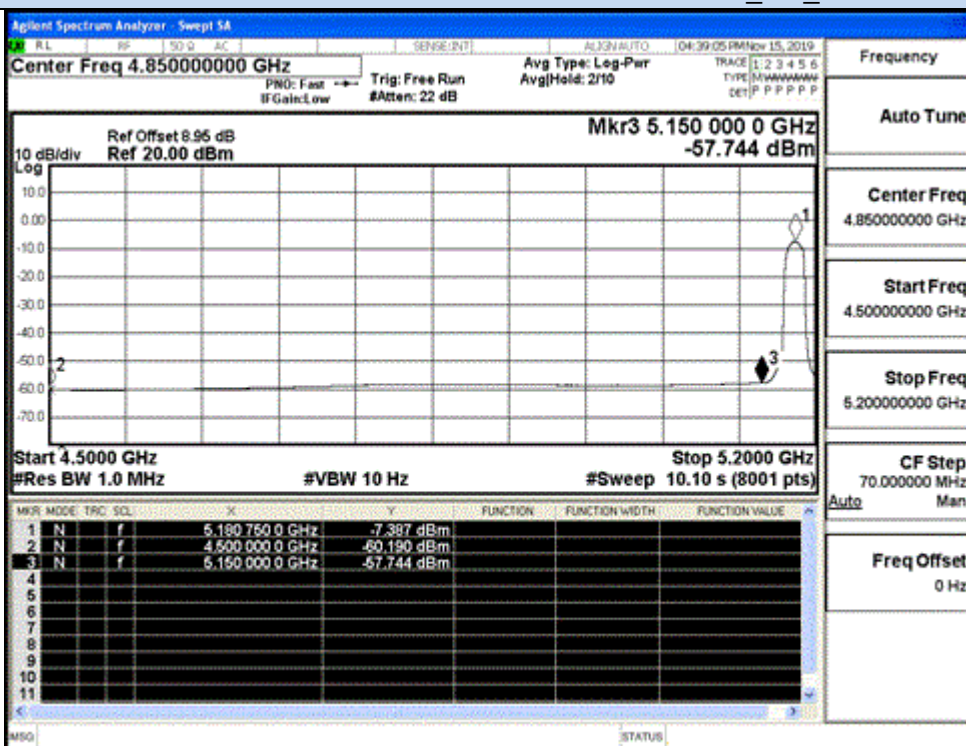


## IEEE 802.11a / Channel 48 / 5240MHz / Average\_Ant\_0

## Undesirable Emissions Measurement\_Ant\_0

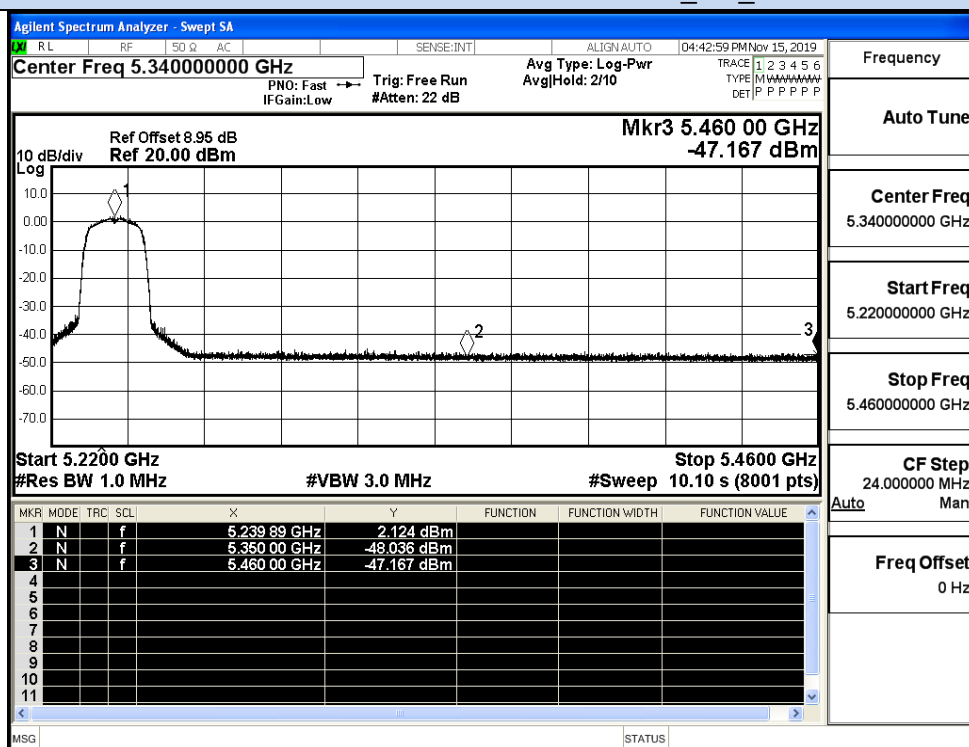


## IEEE 802.11n20 / Channel 36 / 5180MHz / Peak\_Ant\_0

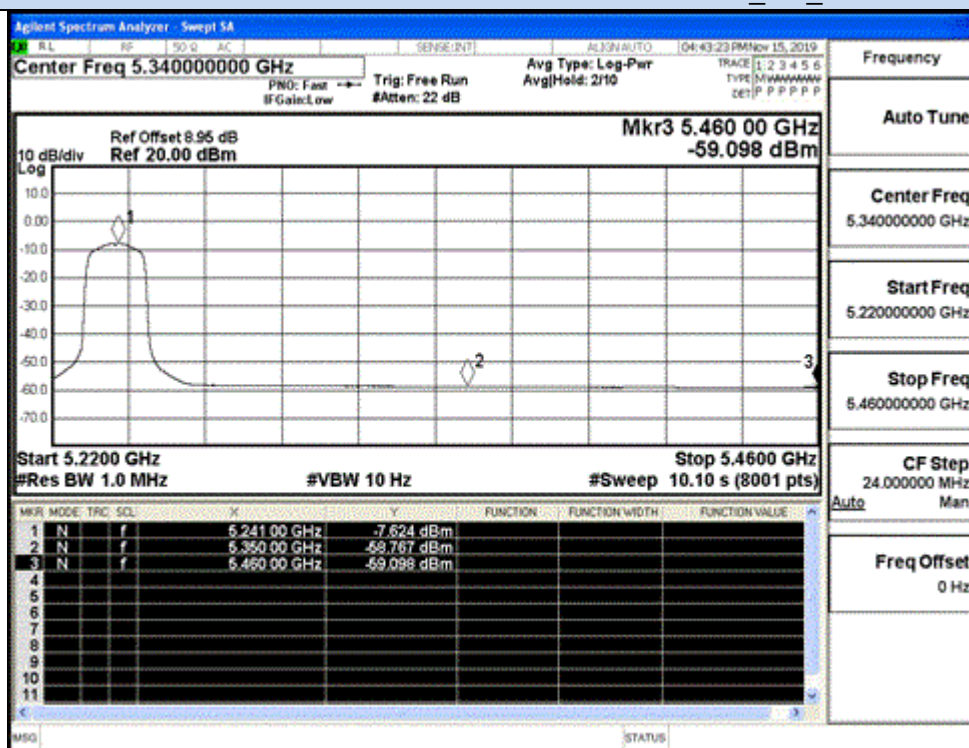


## IEEE 802.11n20 / Channel 36 / 5180MHz / Average\_Ant\_0

## Undesirable Emissions Measurement\_Ant\_0

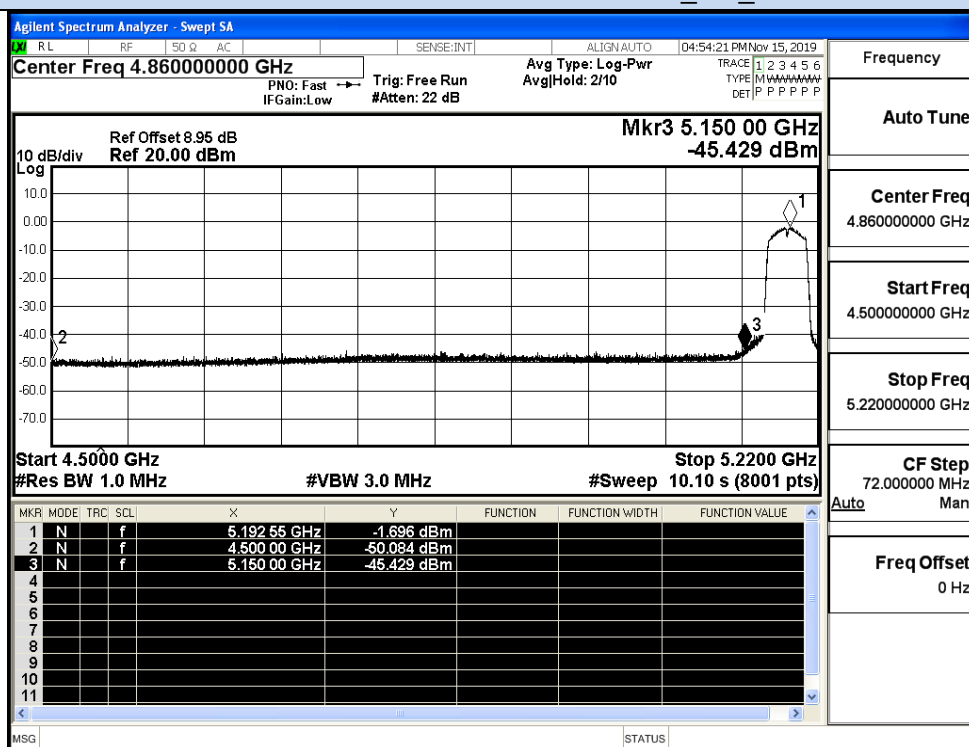


## IEEE 802.11n20 / Channel 48 / 5240MHz / Peak\_Ant\_0

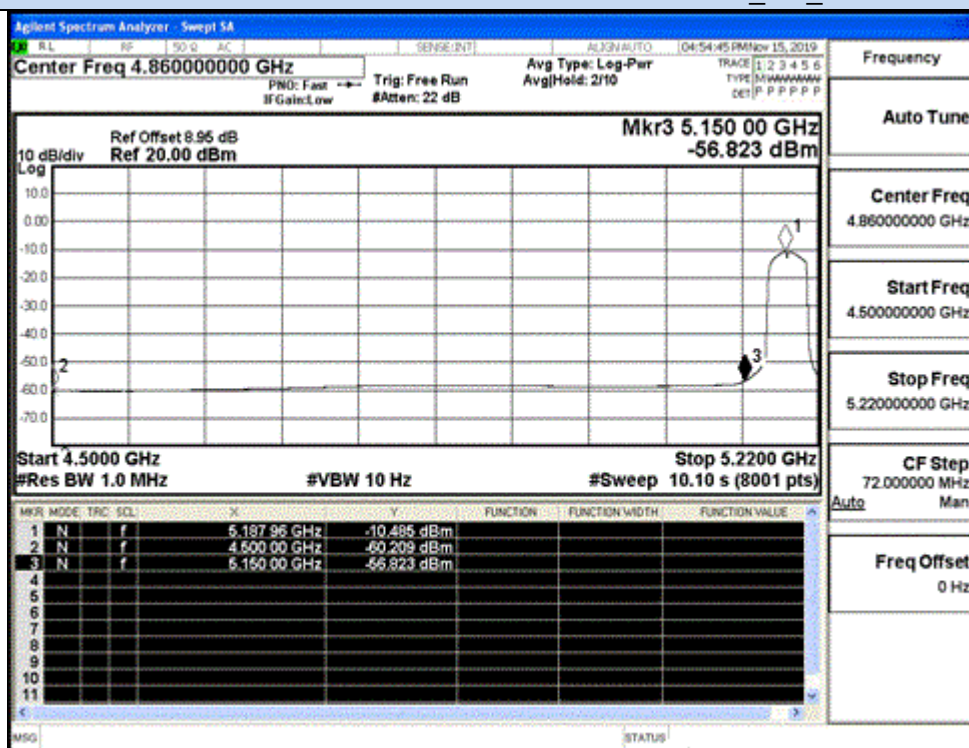


## IEEE 802.11n20 / Channel 48 / 5240MHz / Average\_Ant\_0

## Undesirable Emissions Measurement\_Ant\_0



## IEEE 802.11n40 / Channel 38 / 5190MHz / Peak\_Ant\_0



## IEEE 802.11n40 / Channel 38 / 5190MHz / Average\_Ant\_0

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.33000000 GHz

Ref Offset 8.95 dB  
Ref 20.00 dBm

Mkr3 5.460 000 0 GHz  
-48.460 dBm

10 dB/div  
Log

Start 5.2000 GHz  
#Res BW 1.0 MHz

Stop 5.4600 GHz  
#Sweep 10.10 s (8001 pts)

| MRK | MODE | TRC | SCL | X               | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|-----------------|-------------|----------|----------------|----------------|
| 1   | N    | f   |     | 5.232 240 0 GHz | -0.820 dBm  |          |                |                |
| 2   | N    | f   |     | 5.350 000 0 GHz | -48.803 dBm |          |                |                |
| 3   | N    | f   |     | 5.460 000 0 GHz | -48.460 dBm |          |                |                |
| 4   |      |     |     |                 |             |          |                |                |
| 5   |      |     |     |                 |             |          |                |                |
| 6   |      |     |     |                 |             |          |                |                |
| 7   |      |     |     |                 |             |          |                |                |
| 8   |      |     |     |                 |             |          |                |                |
| 9   |      |     |     |                 |             |          |                |                |
| 10  |      |     |     |                 |             |          |                |                |
| 11  |      |     |     |                 |             |          |                |                |

Frequency

Auto Tune

Center Freq  
5.330000000 GHz

Start Freq  
5.200000000 GHz

Stop Freq  
5.460000000 GHz

CF Step  
26.000000 MHz

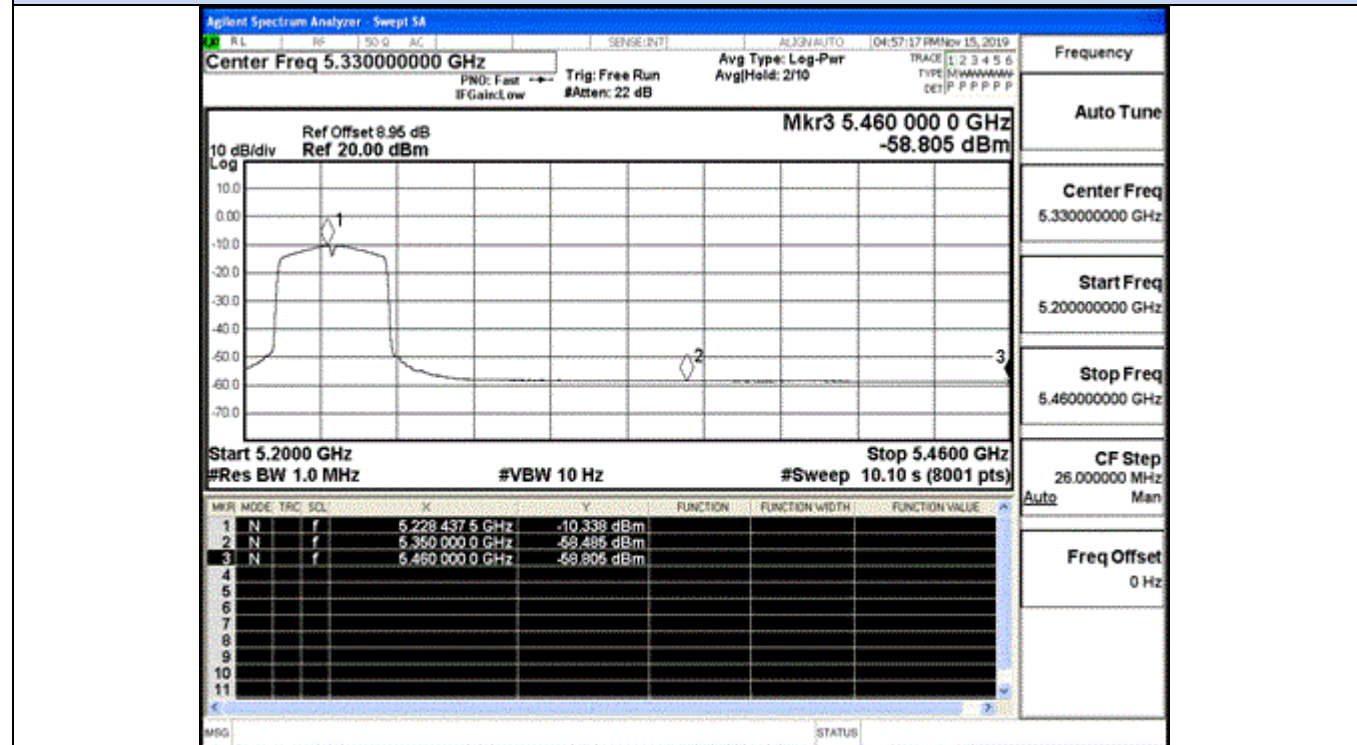
Auto Man

Freq Offset  
0 Hz

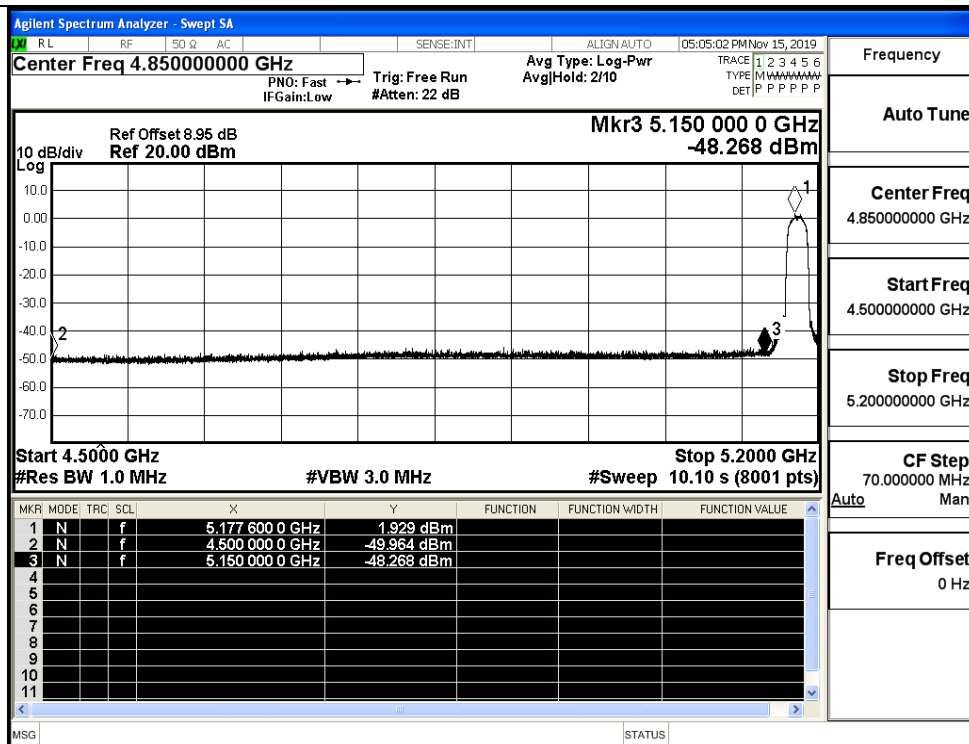
MSG

STATUS

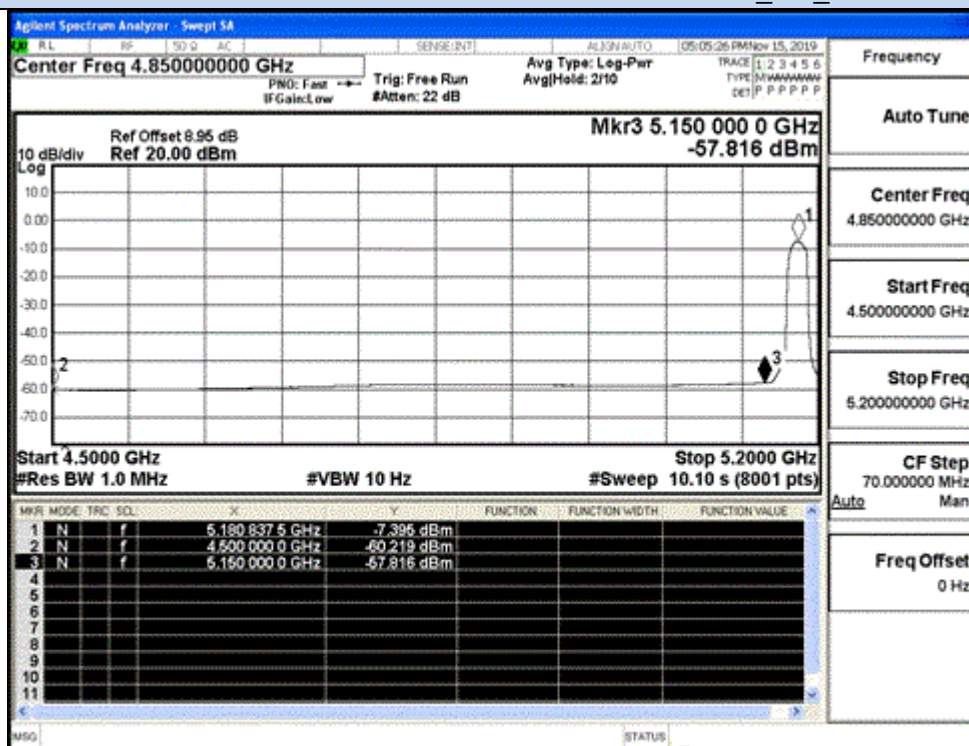
|                                                    |
|----------------------------------------------------|
| IEEE 802.11n40 / Channel 46 / 5230MHz / Peak_Ant_0 |
|----------------------------------------------------|



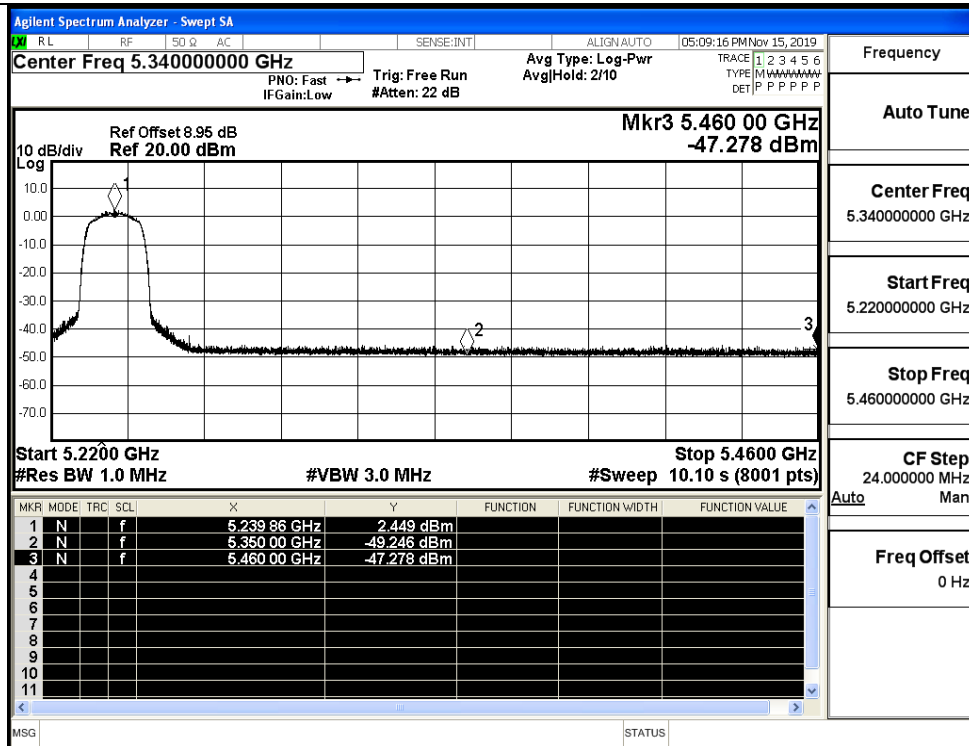
|                                                       |
|-------------------------------------------------------|
| IEEE 802.11n40 / Channel 46 / 5230MHz / Average_Ant_0 |
|-------------------------------------------------------|



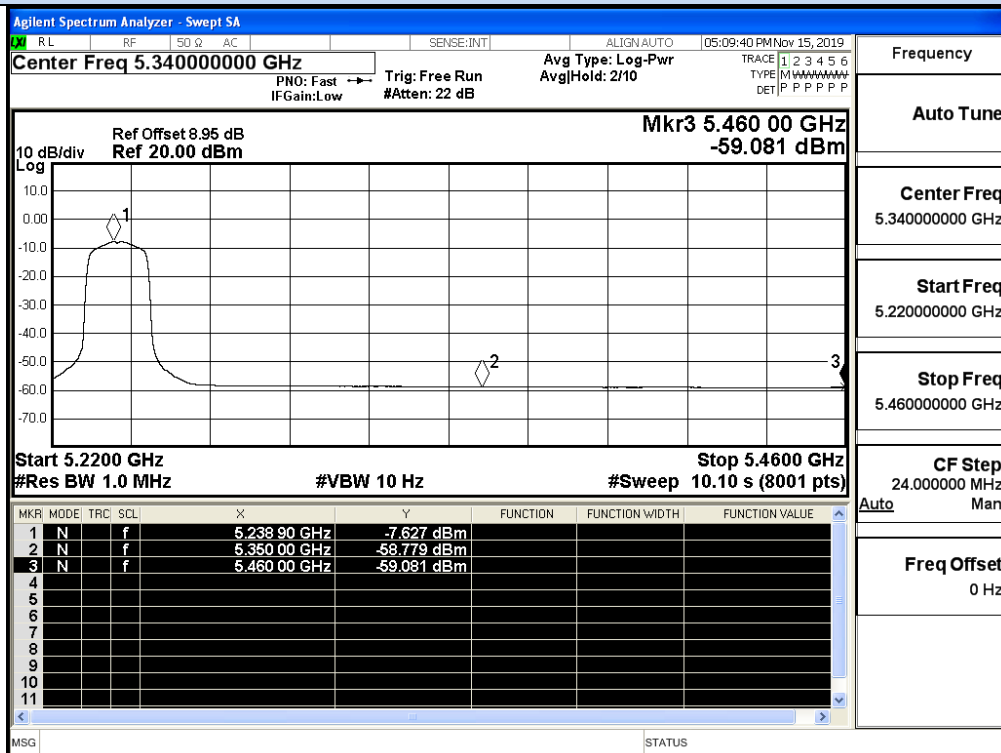
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak\_Ant\_0



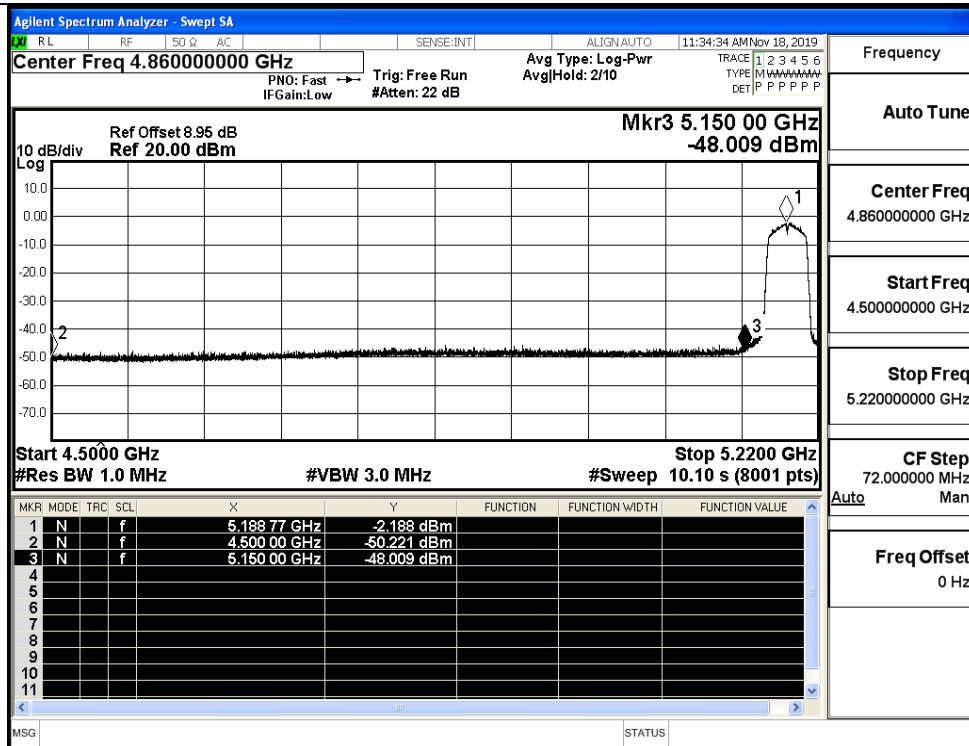
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average\_Ant\_0



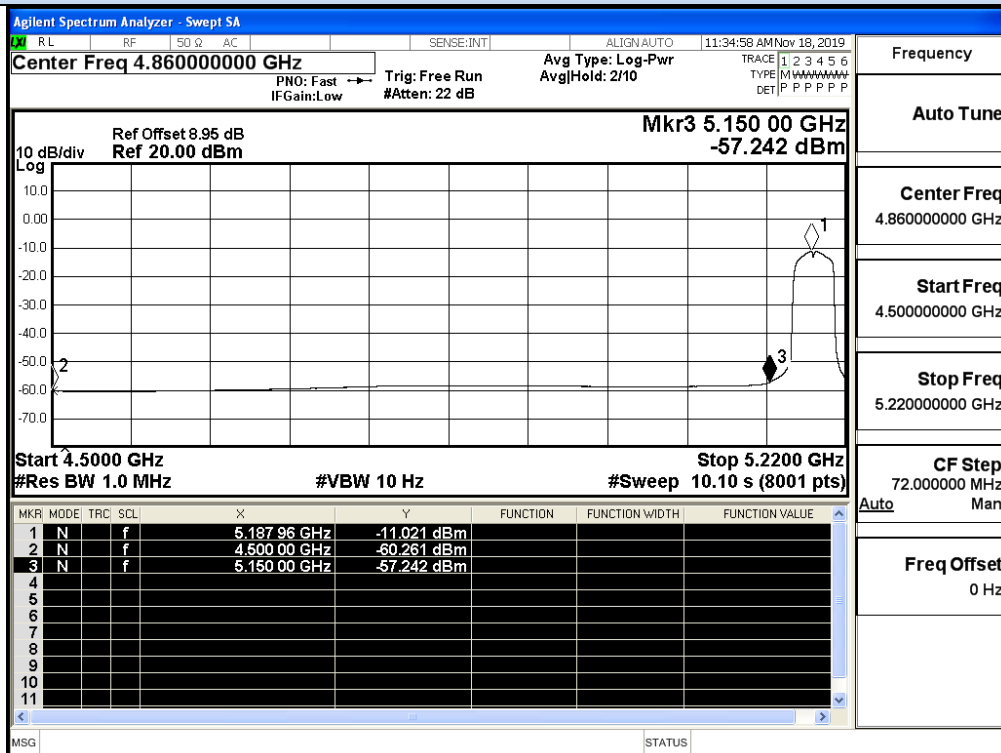
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak\_Ant\_0



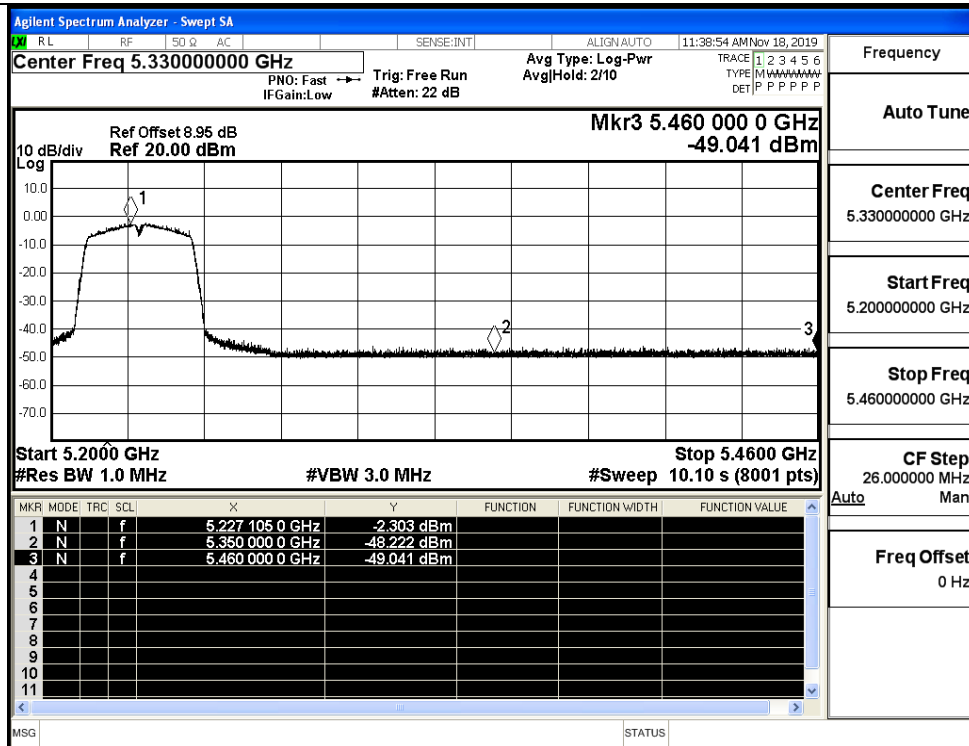
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average\_Ant\_0



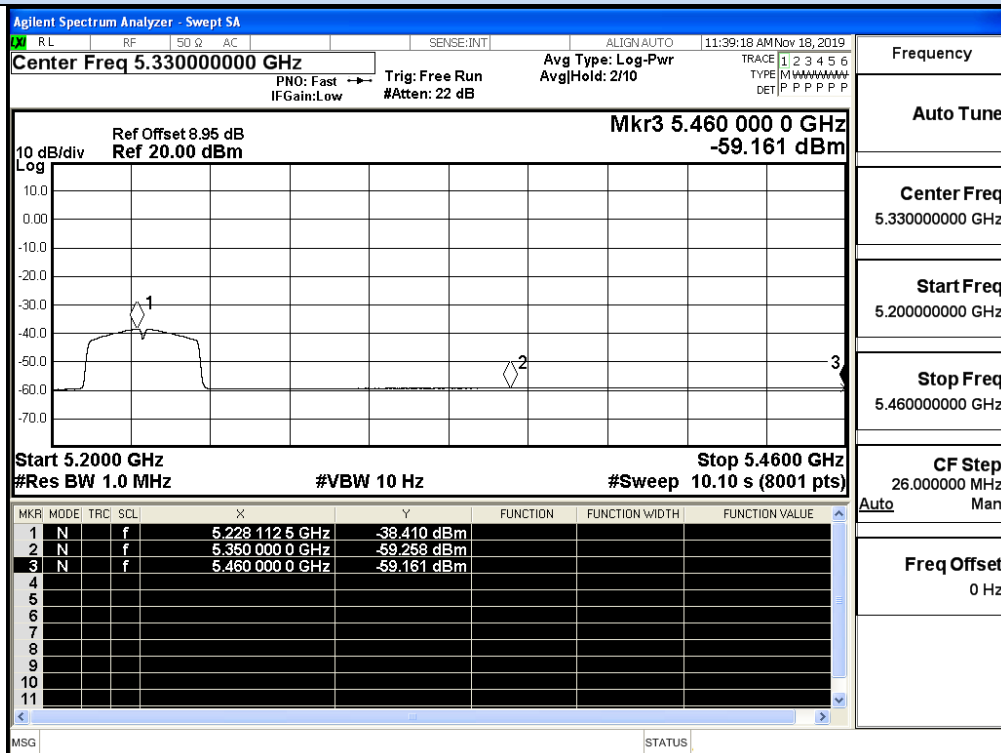
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak\_Ant\_0



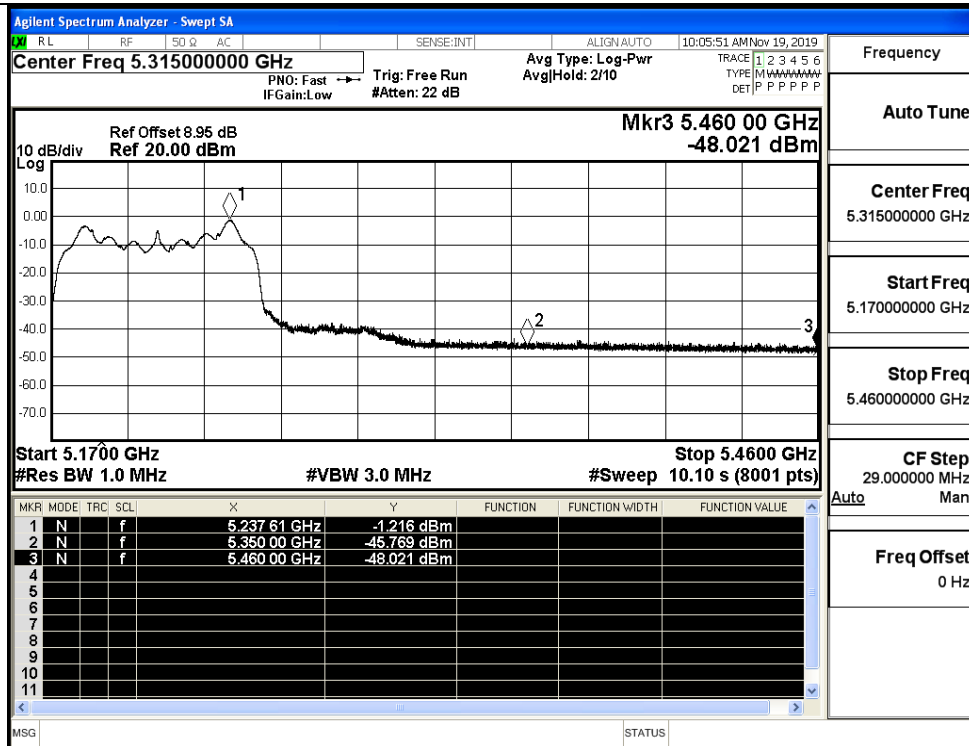
IEEE 802.11ac40 / Channel 38 / 5190MHz / Average\_Ant\_0



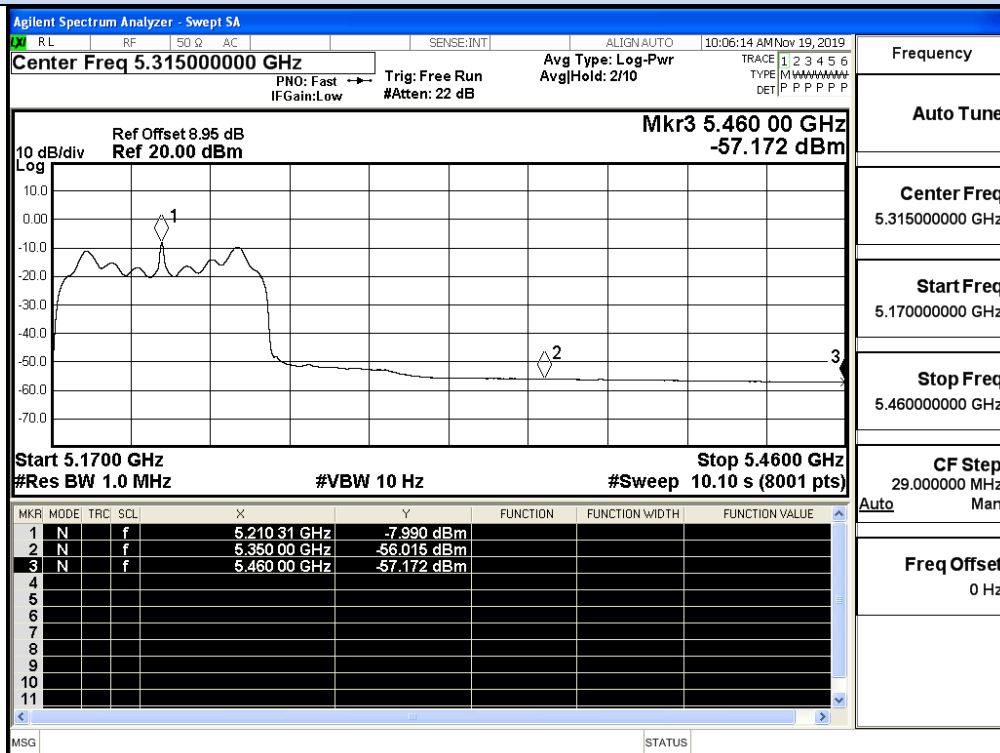
IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak\_Ant\_0



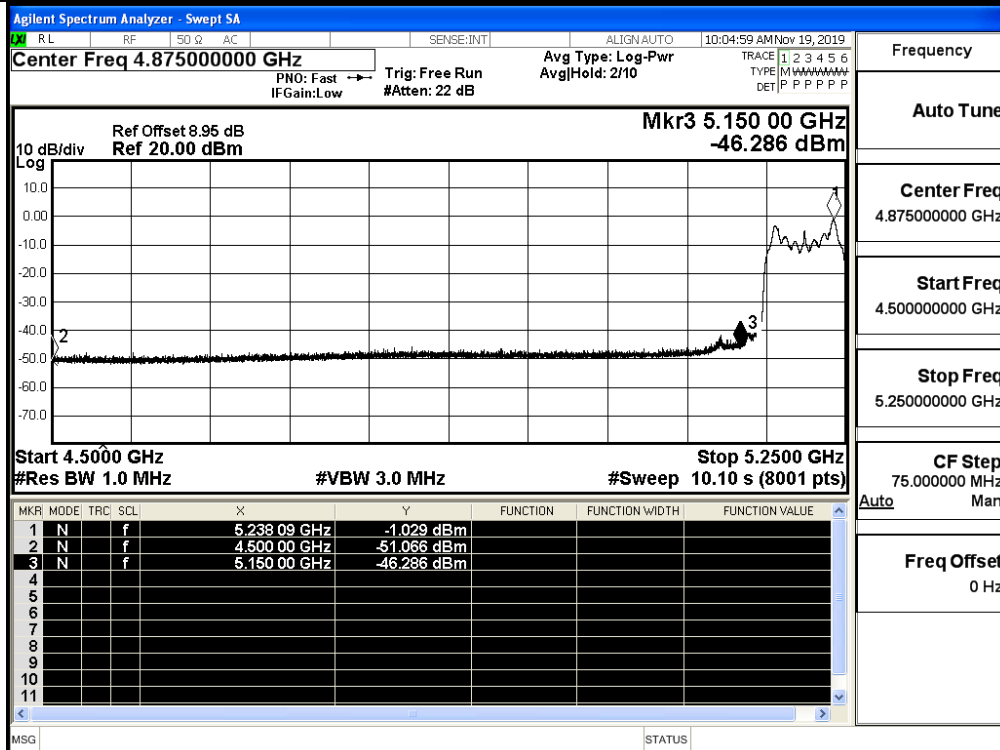
IEEE 802.11ac40 / Channel 46 / 5230MHz / Average\_Ant\_0



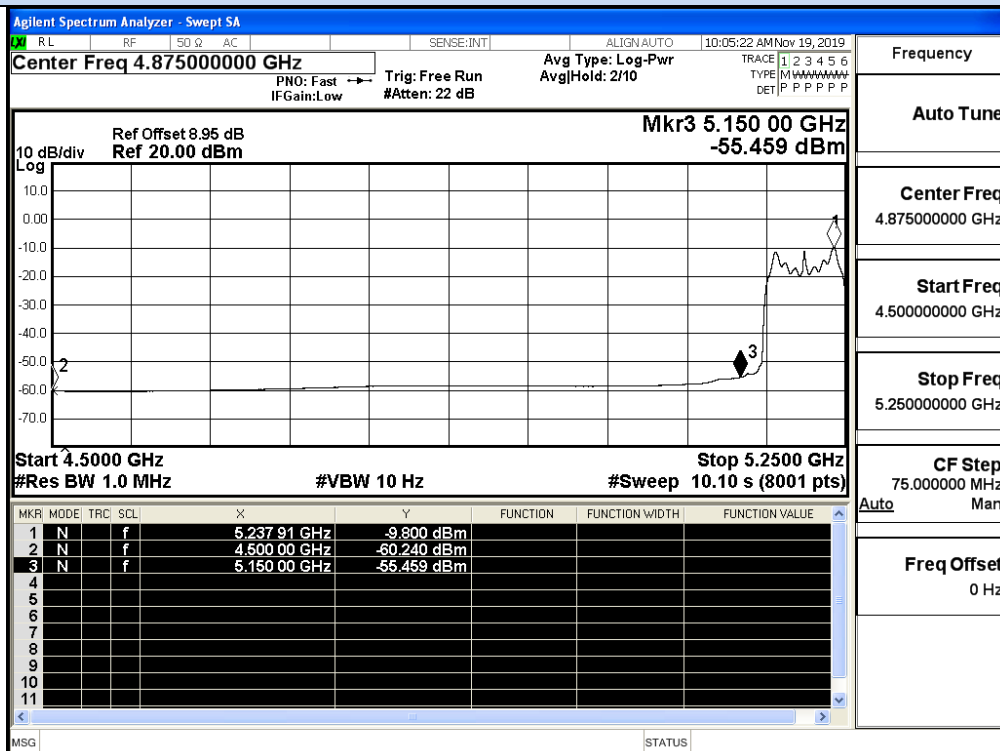
IEEE 802.11ac80 / Channel 42 / 5210MHz / Peak\_Ant\_0



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average\_Ant\_0

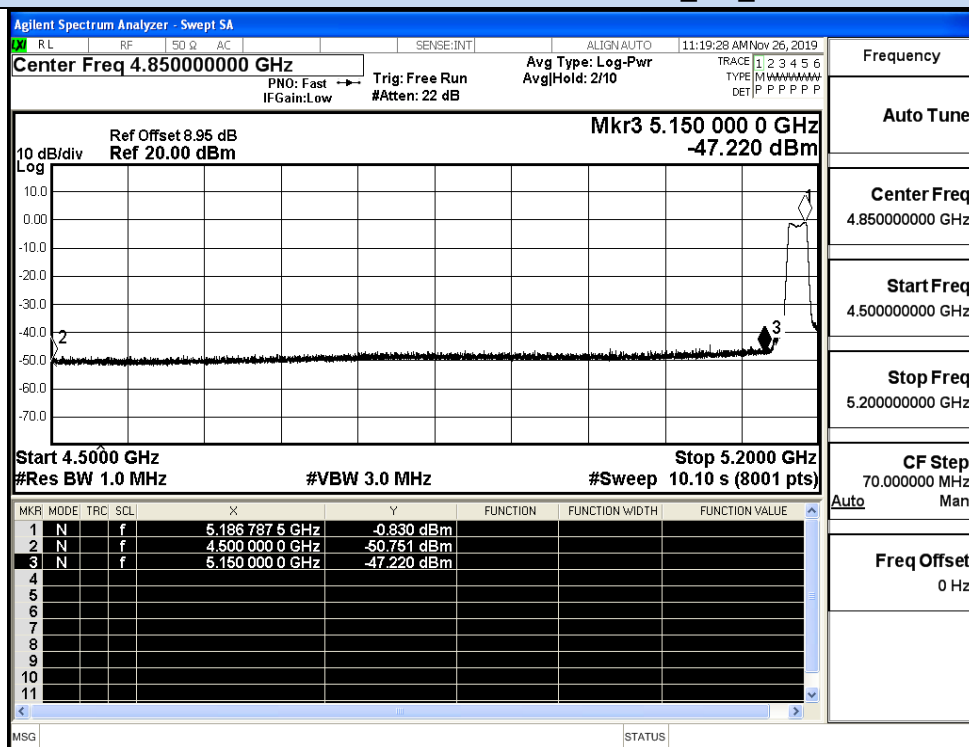


IEEE 802.11ac80 / Channel 42/ 5210MHz / Peak\_Ant\_0

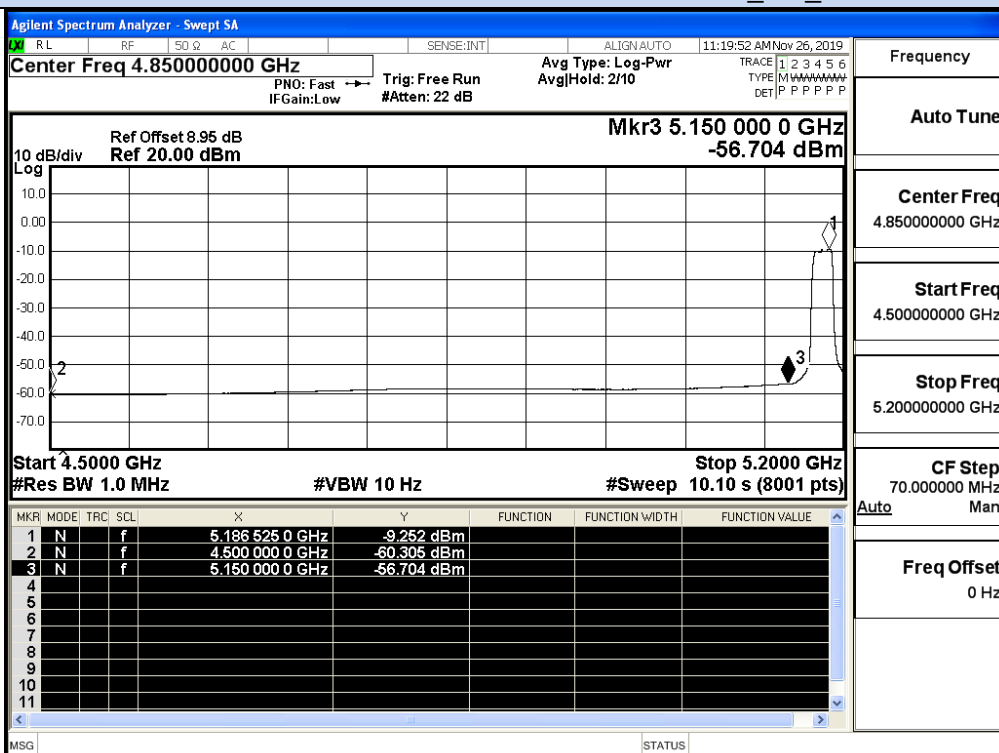


IEEE 802.11ac80 / Channel 42 / 5210MHz / Average\_Ant\_0

## Undesirable Emissions Measurement\_Ant\_1

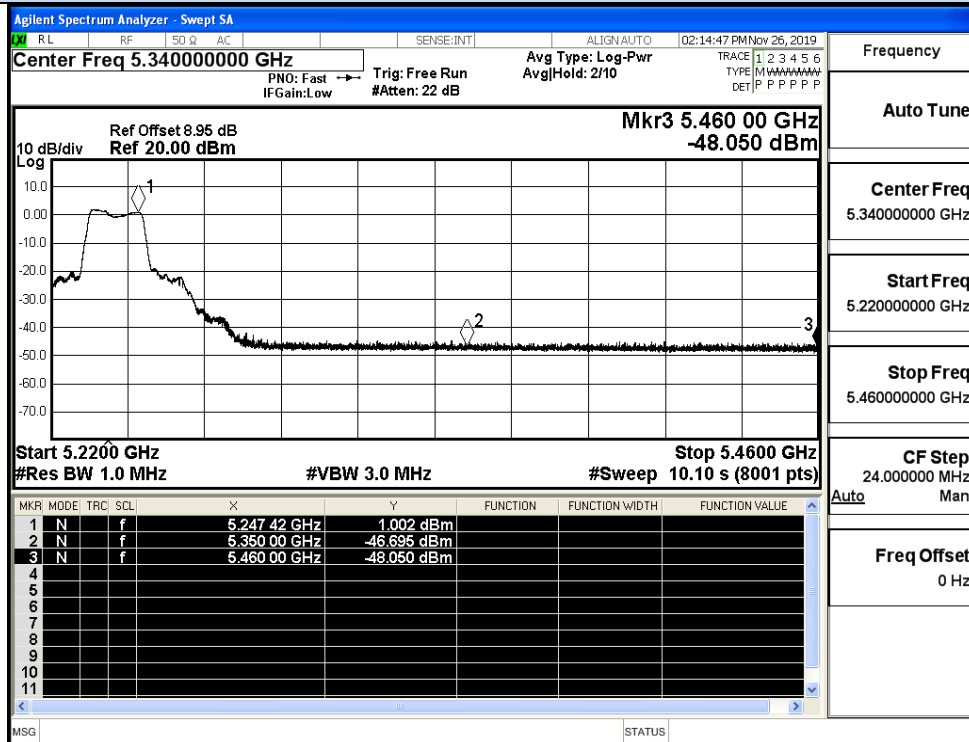


## IEEE 802.11a / Channel 36 / 5180MHz / Peak\_Ant\_1

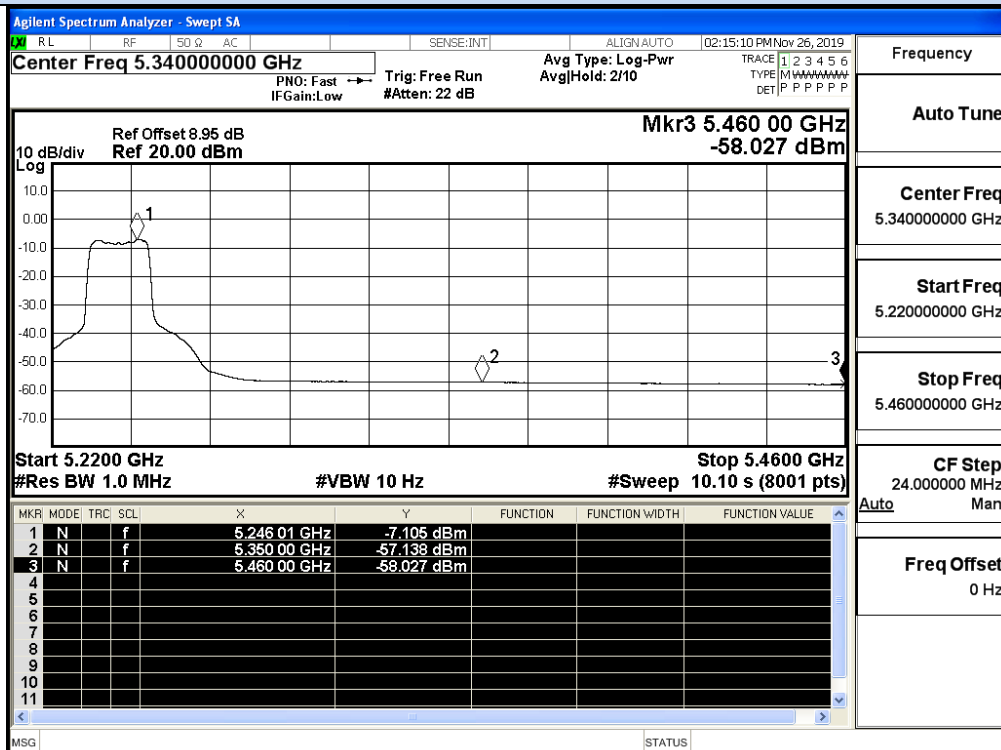


## IEEE 802.11a / Channel 36 / 5180MHz / Average\_Ant\_1

## Undesirable Emissions Measurement\_Ant\_1

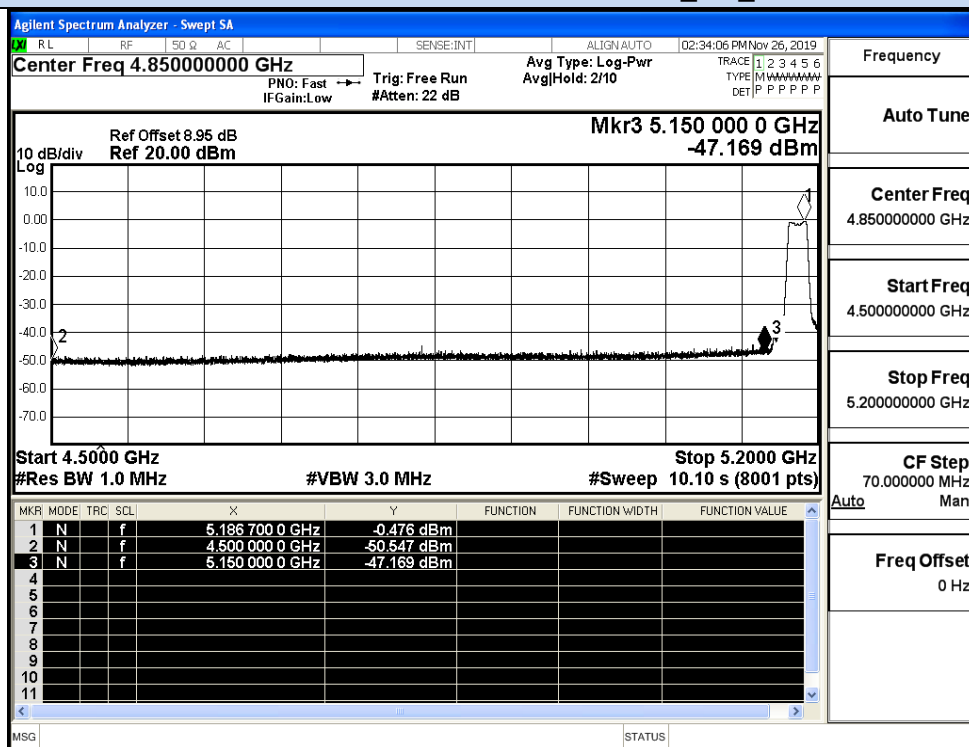


## IEEE 802.11a / Channel 48 / 5240MHz / Peak\_Ant\_1

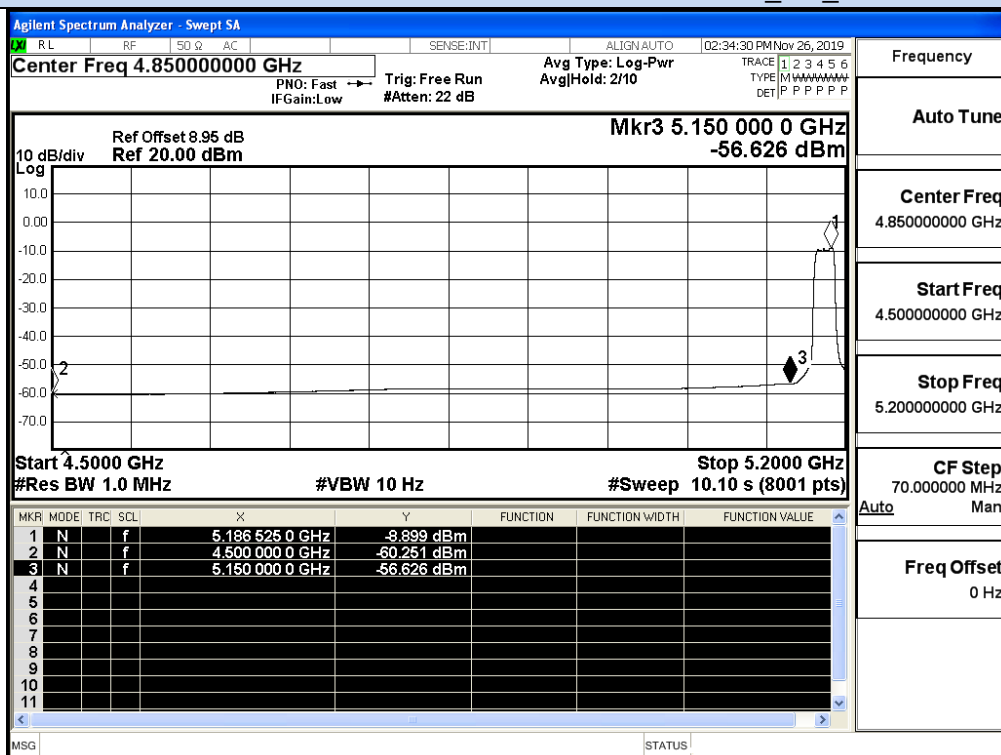


## IEEE 802.11a / Channel 48 / 5240MHz / Average\_Ant\_1

## Undesirable Emissions Measurement\_Ant\_1

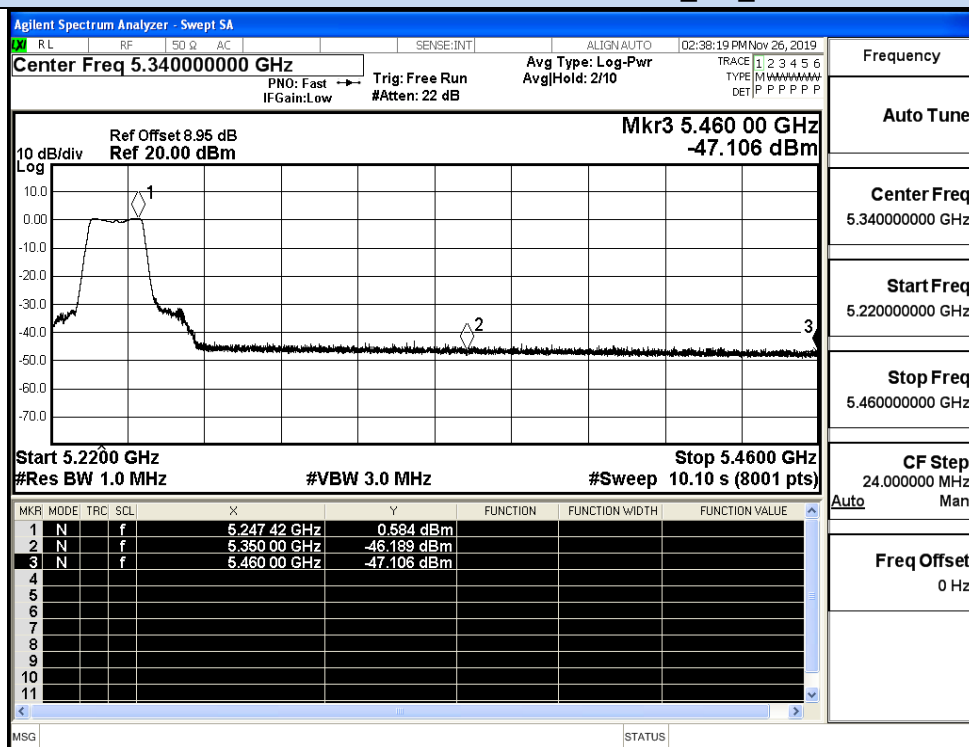


## IEEE 802.11n20 / Channel 36 / 5180MHz / Peak\_Ant\_1

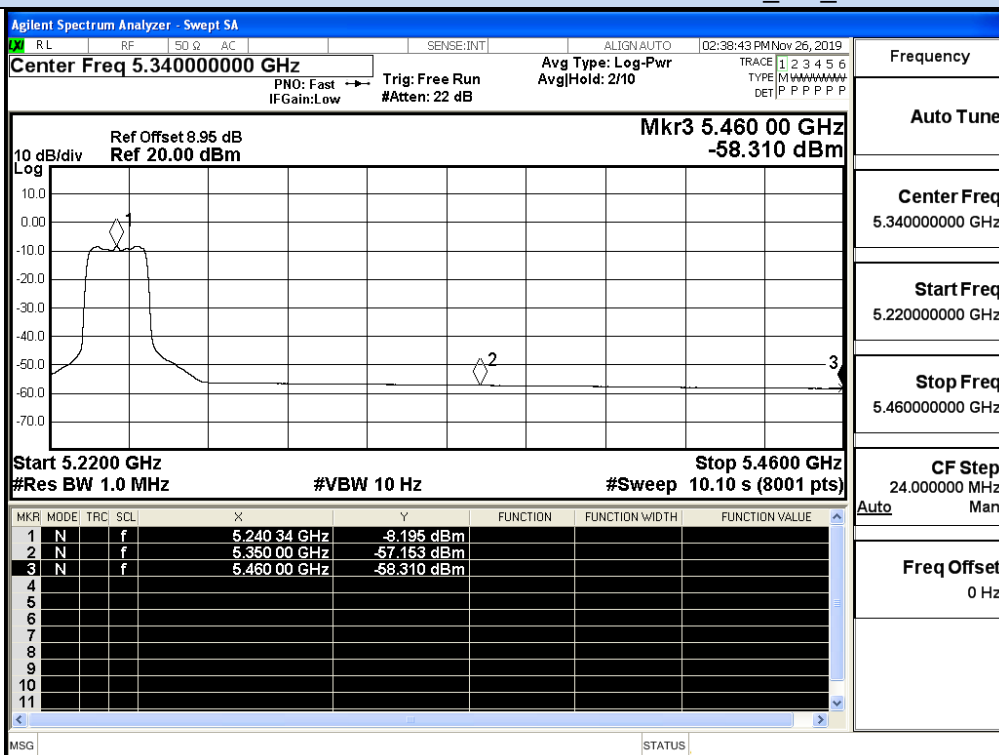


## IEEE 802.11n20 / Channel 36 / 5180MHz / Average\_Ant\_1

## Undesirable Emissions Measurement\_Ant\_1

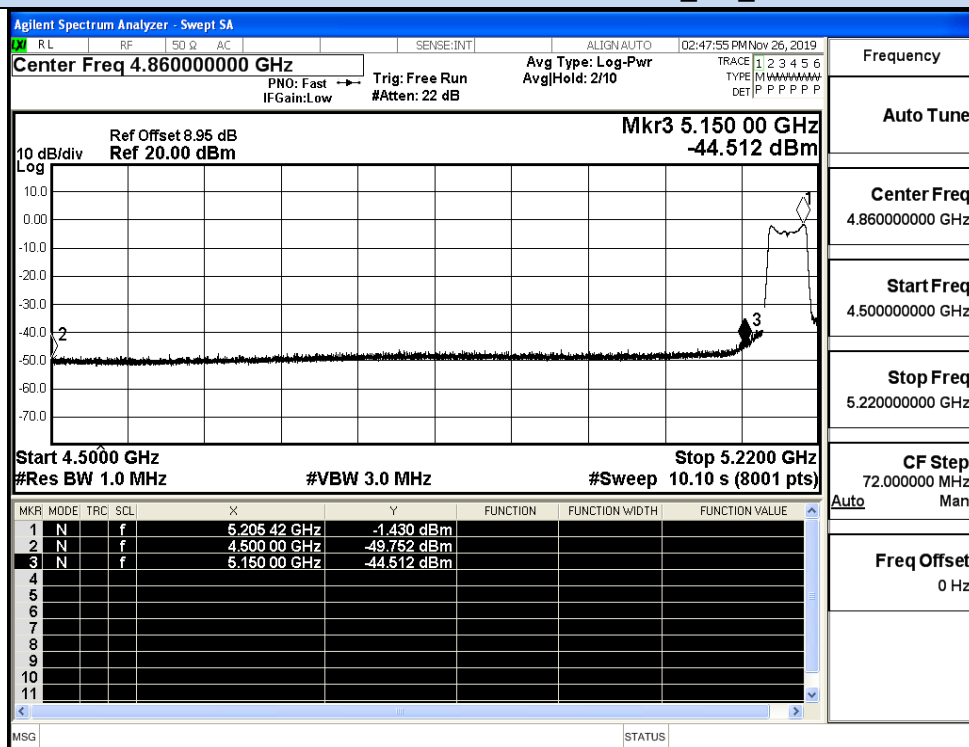


## IEEE 802.11n20 / Channel 48 / 5240MHz / Peak\_Ant\_1

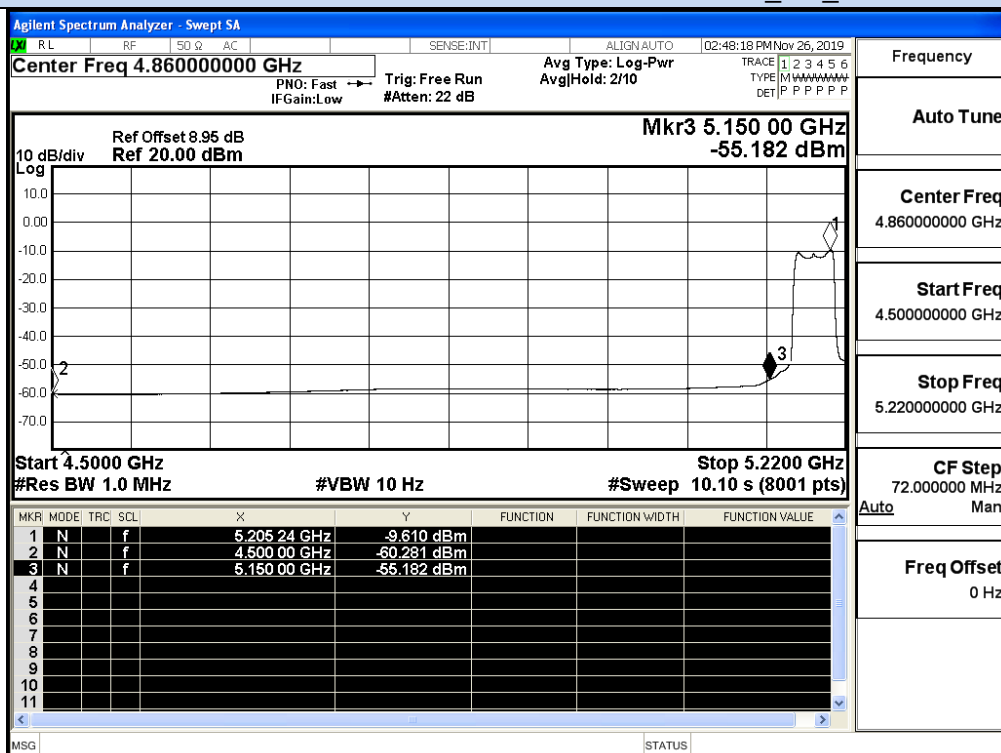


## IEEE 802.11n20 / Channel 48 / 5240MHz / Average\_Ant\_1

## Undesirable Emissions Measurement\_Ant\_1

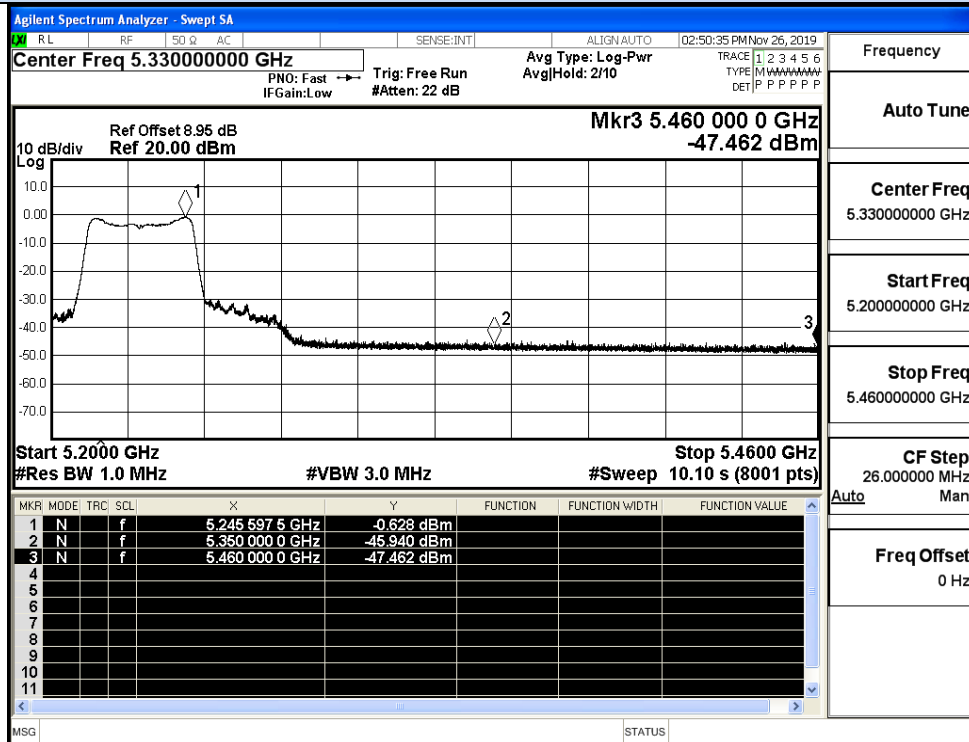


## IEEE 802.11n40 / Channel 38 / 5190MHz / Peak\_Ant\_1

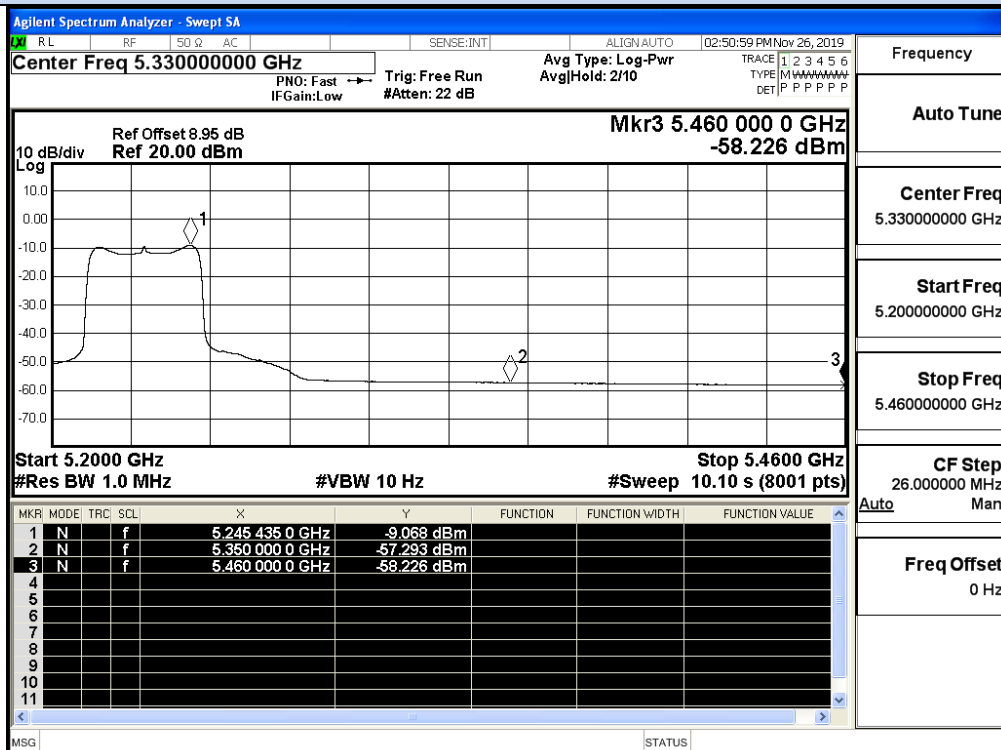


## IEEE 802.11n40 / Channel 38 / 5190MHz / Average\_Ant\_1

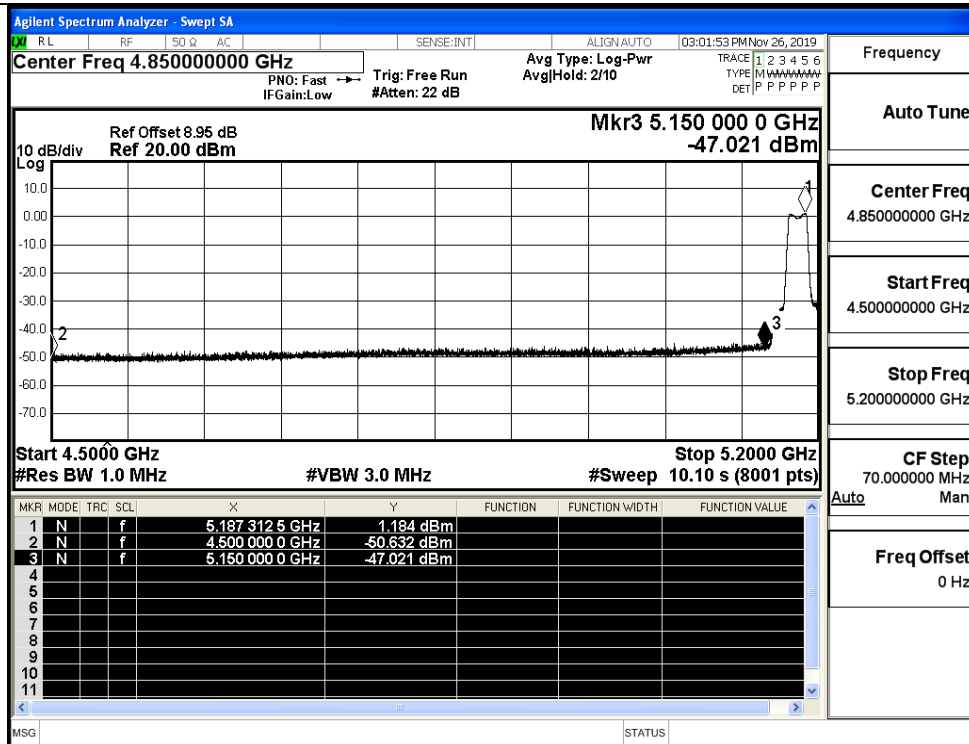
## Undesirable Emissions Measurement\_Ant\_1



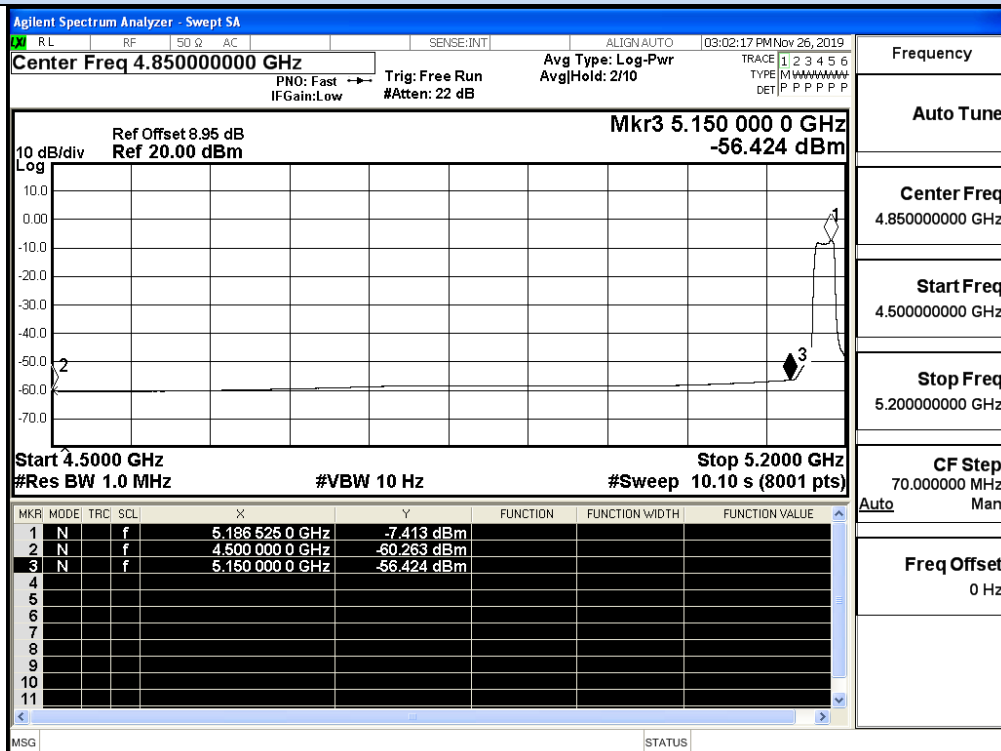
## IEEE 802.11n40 / Channel 46 / 5230MHz / Peak\_Ant\_1



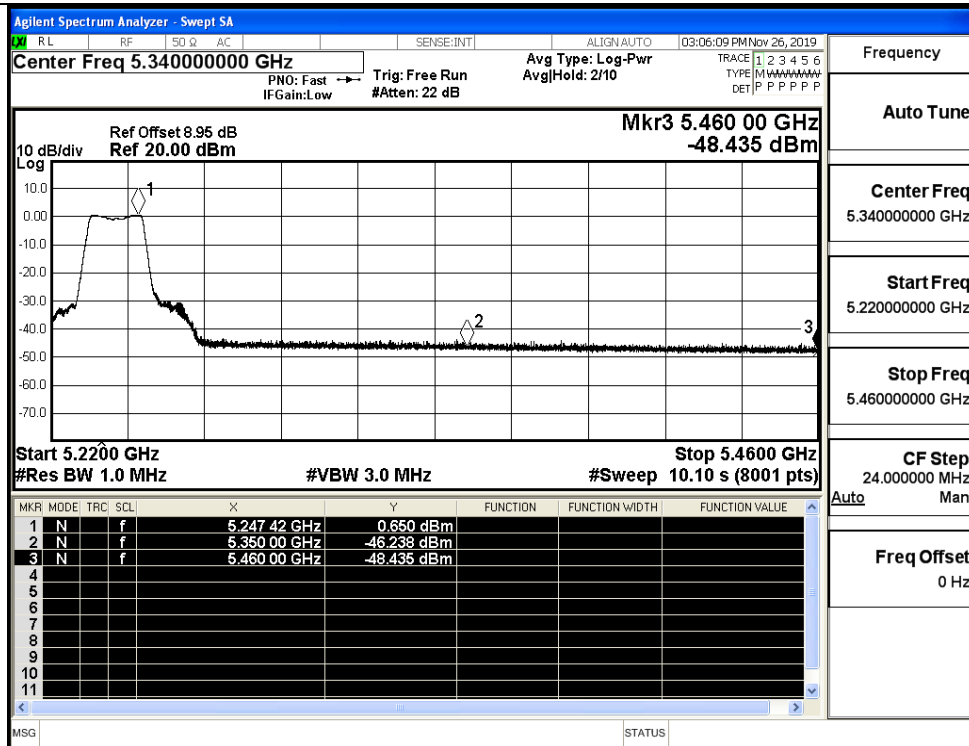
## IEEE 802.11n40 / Channel 46 / 5230MHz / Average\_Ant\_1



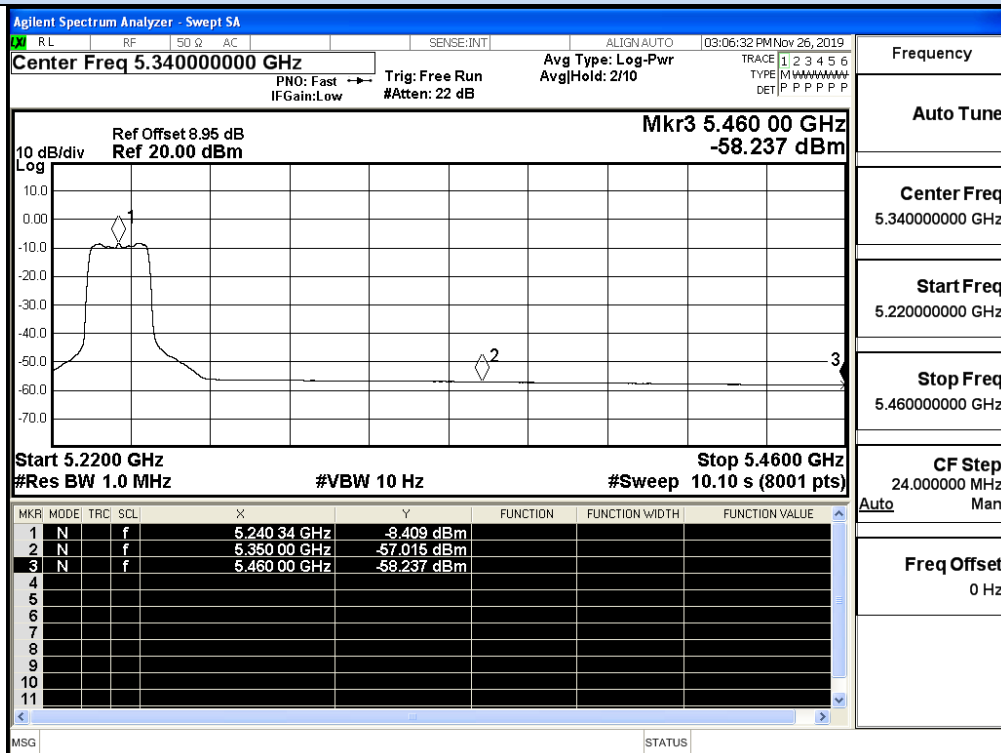
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak\_Ant\_1



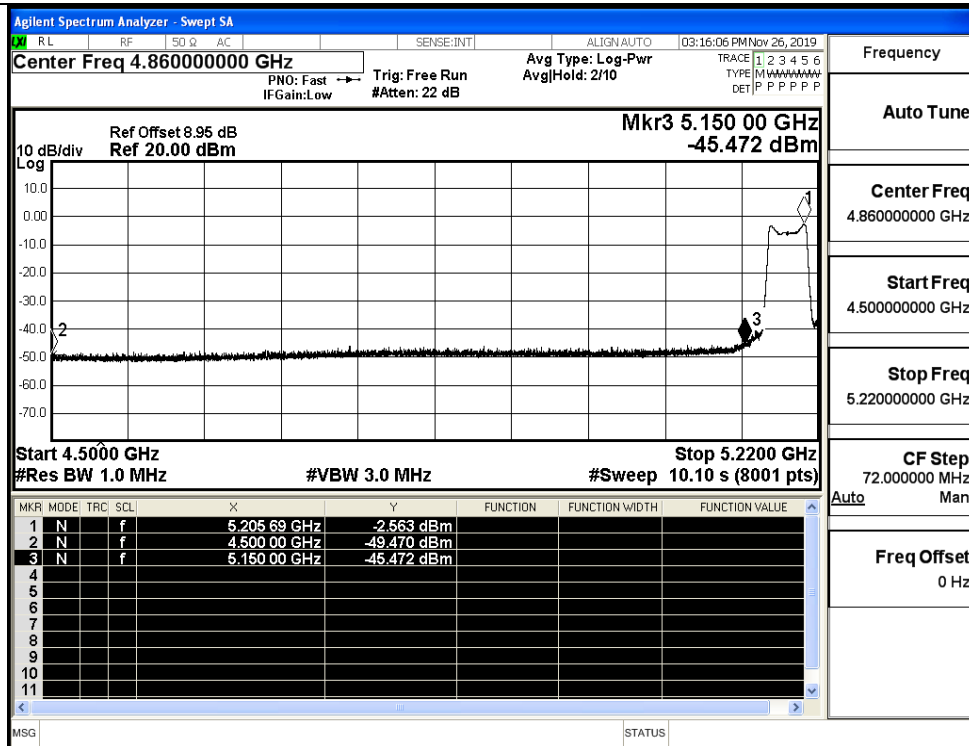
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average\_Ant\_1



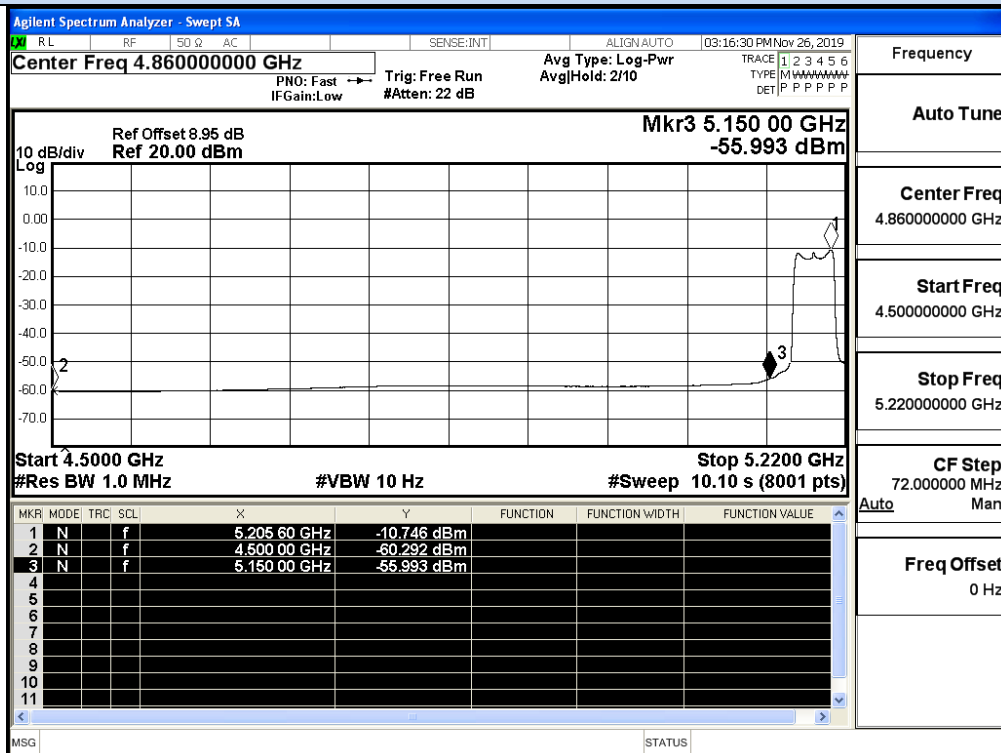
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak\_Ant\_1



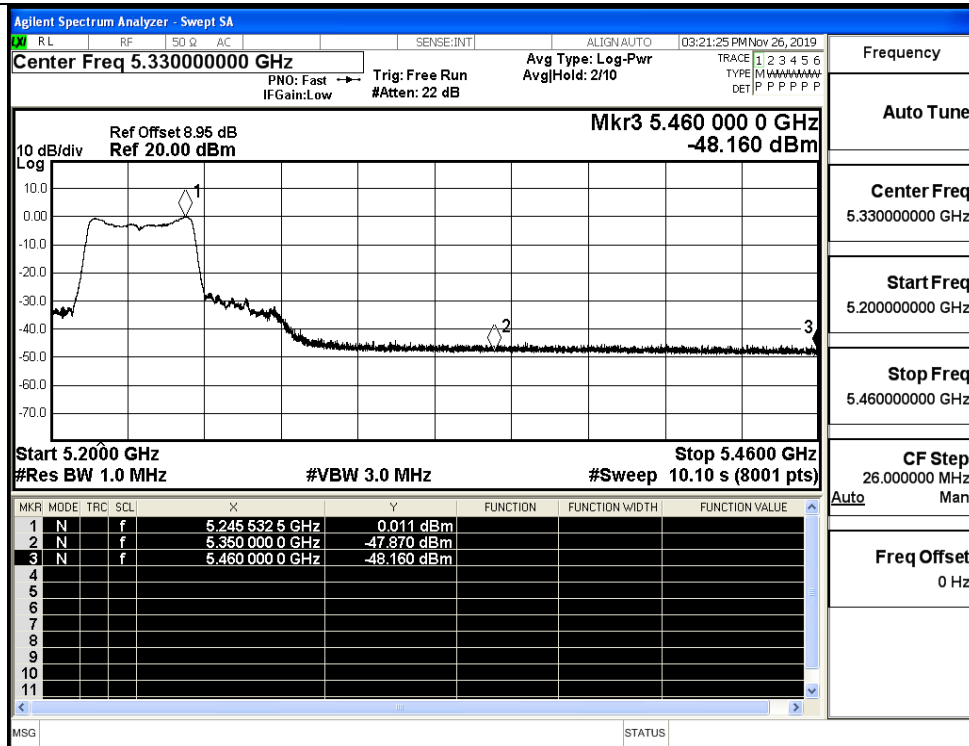
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average\_Ant\_1



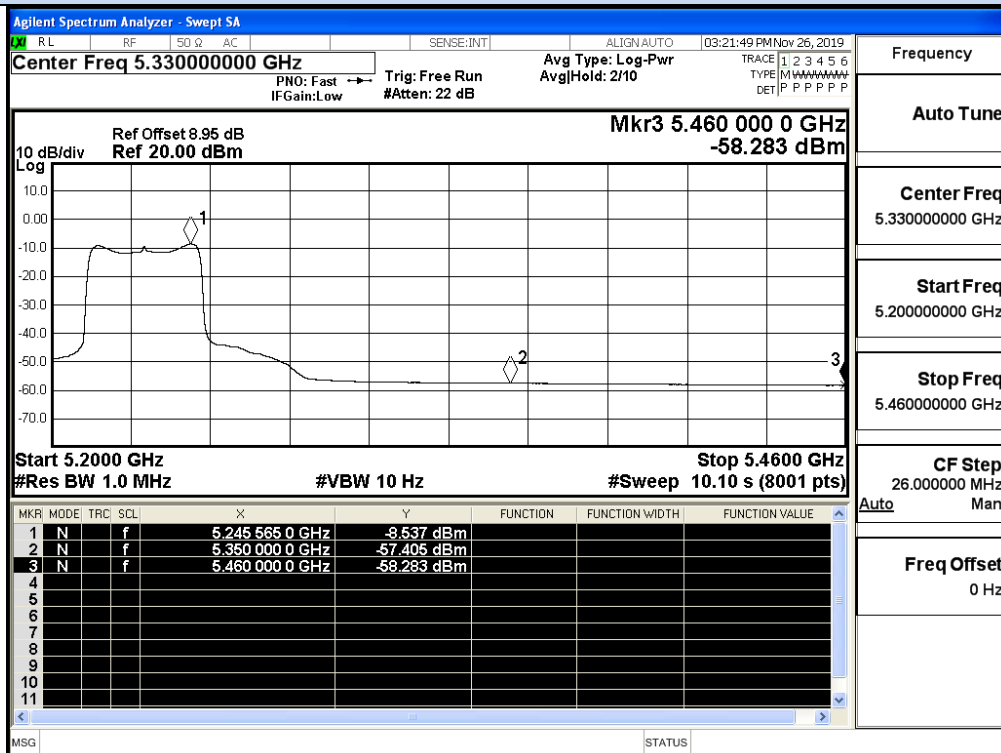
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak\_Ant\_1



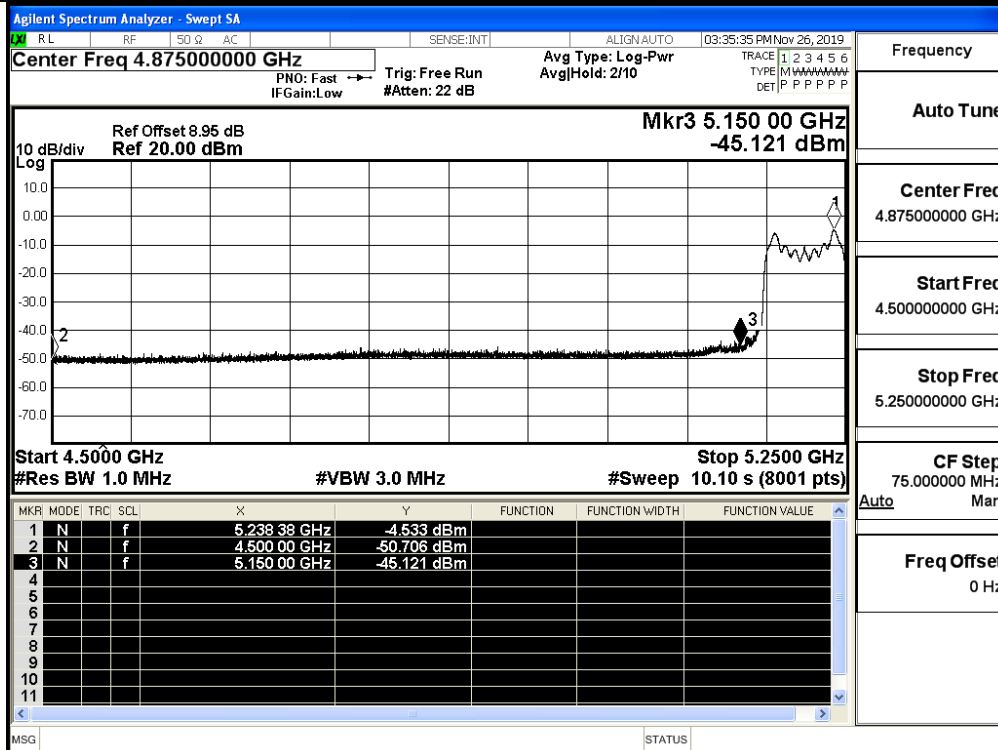
IEEE 802.11ac40 / Channel 38 / 5190MHz / Average\_Ant\_1



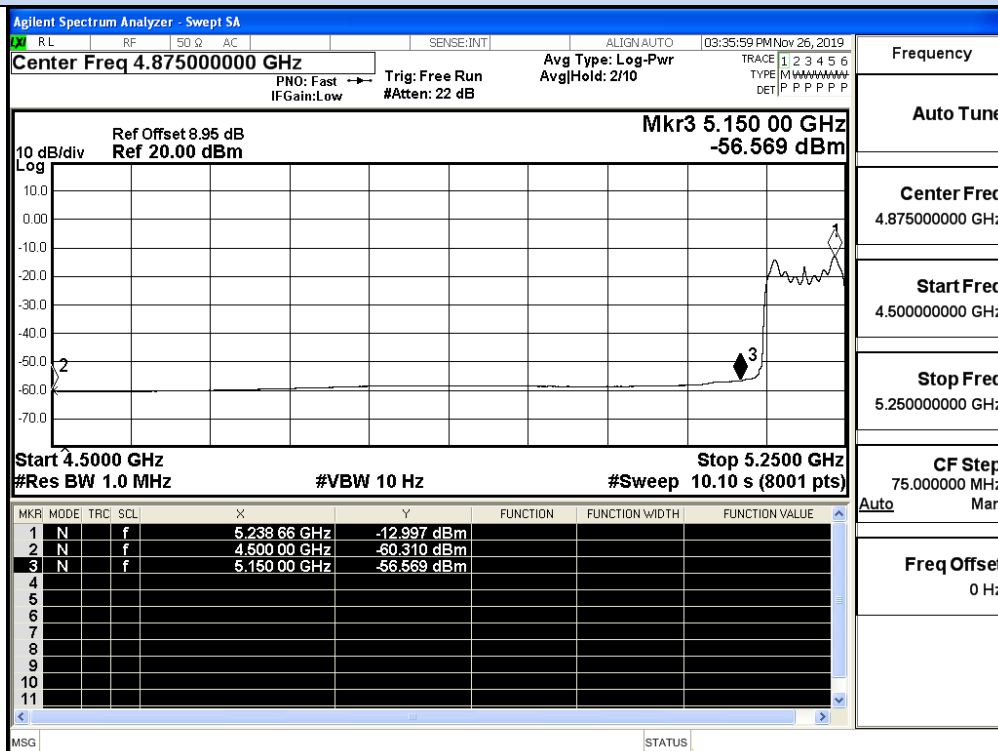
## IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak\_Ant\_1



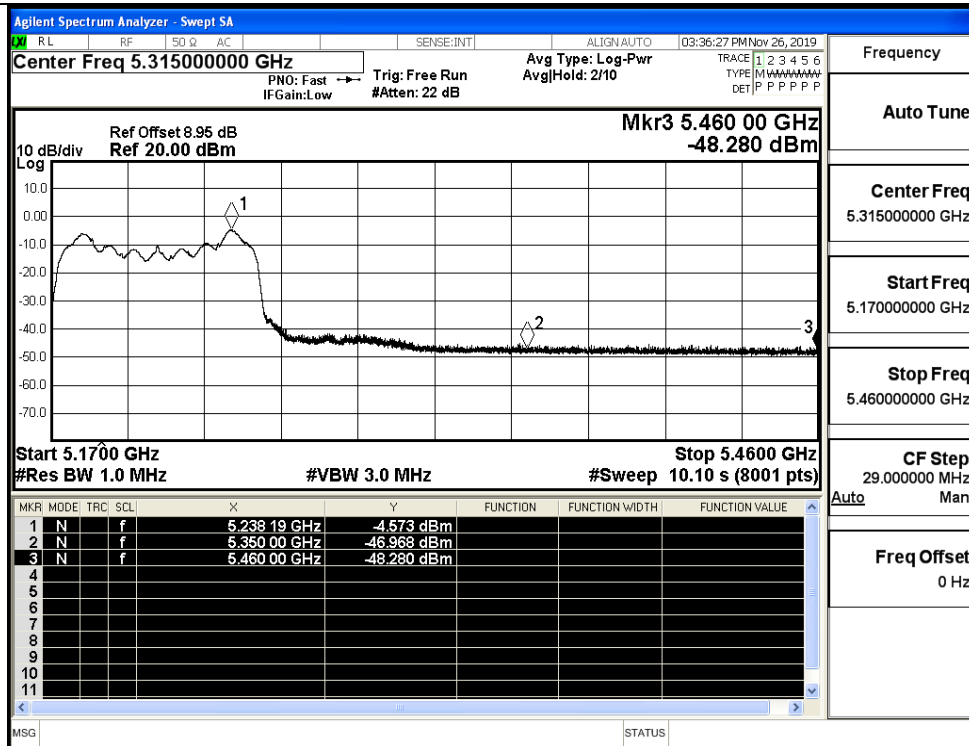
## IEEE 802.11ac40 / Channel 46 / 5230MHz / Average\_Ant\_1



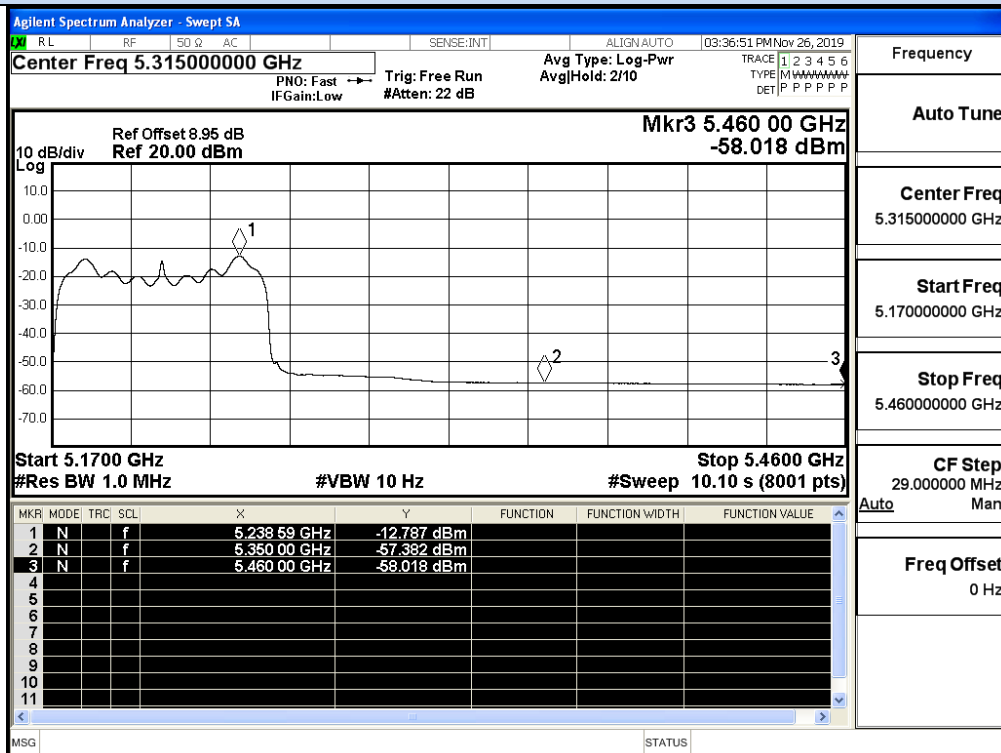
IEEE 802.11ac80 / Channel 42 / 5210MHz / Peak\_Ant\_1



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average\_Ant\_1



## IEEE 802.11ac80 / Channel 42/ 5210MHz / Peak\_Ant\_1



## IEEE 802.11ac80 / Channel 42 / 5210MHz / Average\_Ant\_1