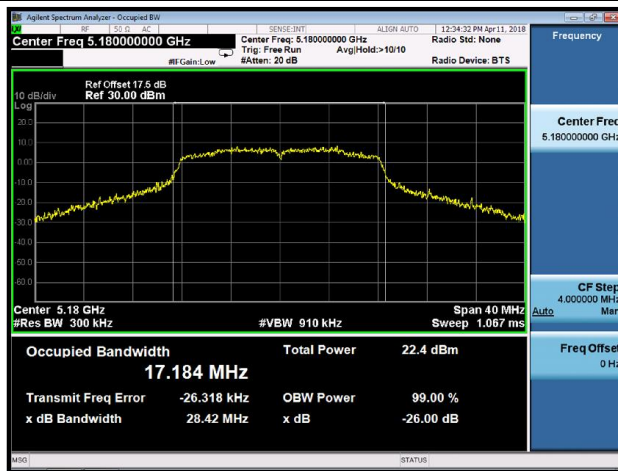


# 802.11a 26dB Bandwidth & 99% Bandwidth - Ant B

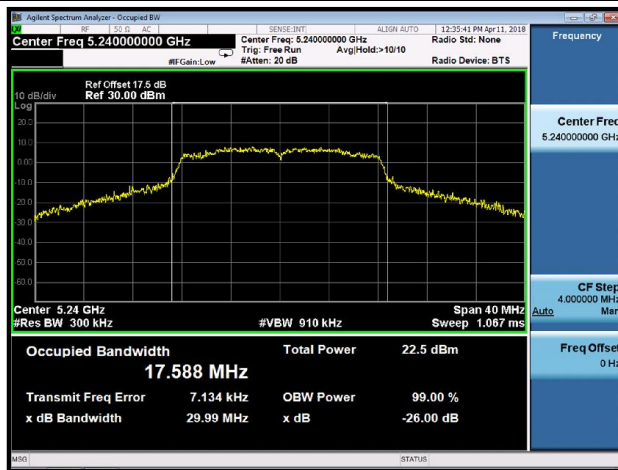
## Channel 36 (5180MHz)



## Channel 44 (5220MHz)



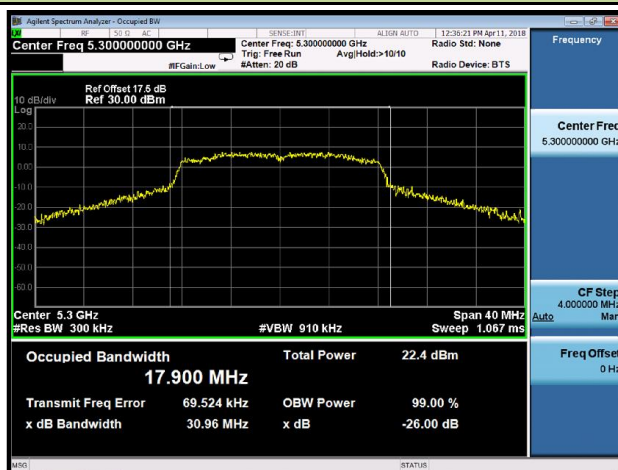
## Channel 48 (5240MHz)



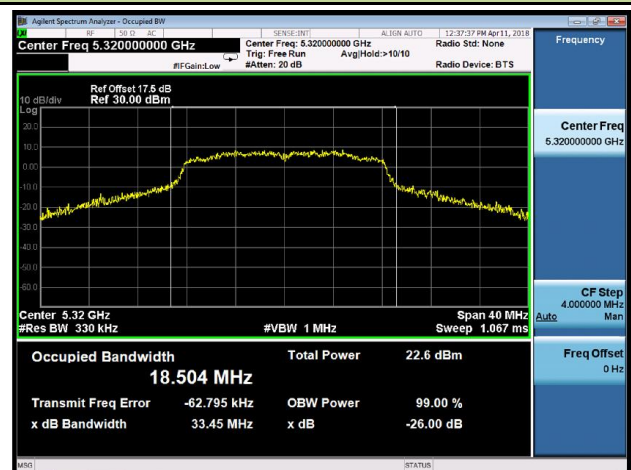
## Channel 52 (5260MHz)



## Channel 60 (5300MHz)

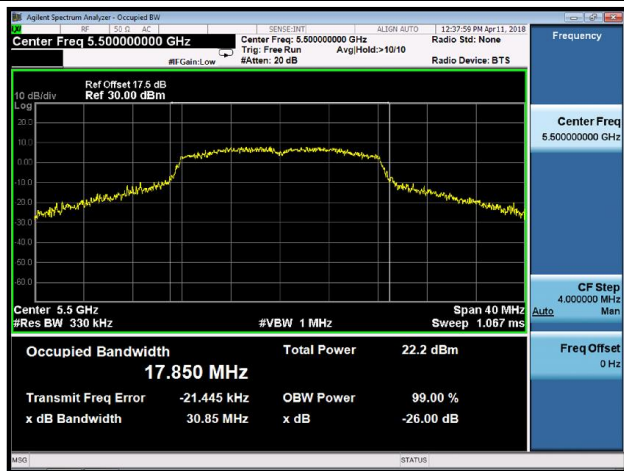


## Channel 64 (5320MHz)

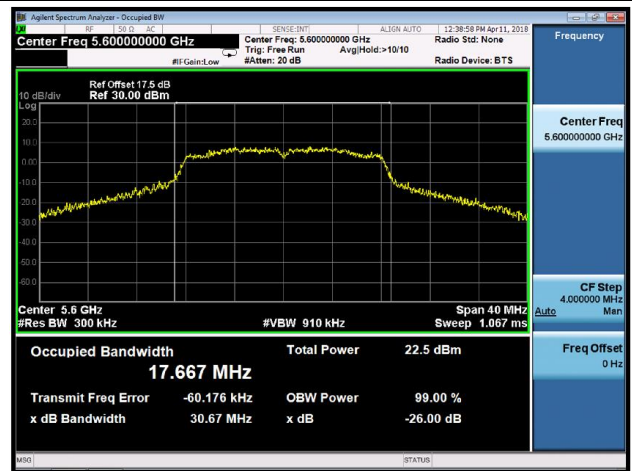


# 802.11a 26dB Bandwidth & 99% Bandwidth - Ant B

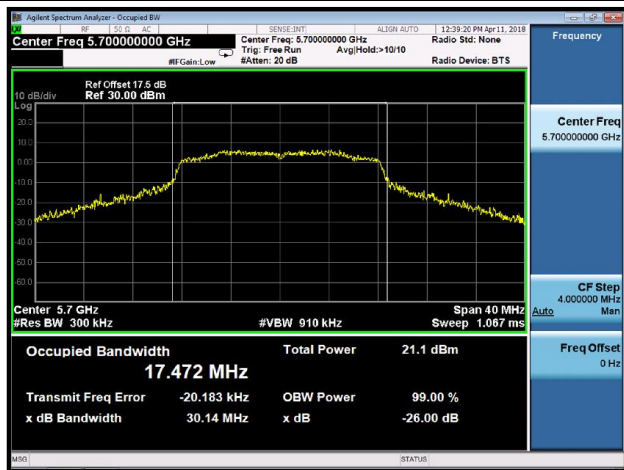
## Channel 100 (5500MHz)



## Channel 100 (5600MHz)



## Channel 140 (5700MHz)



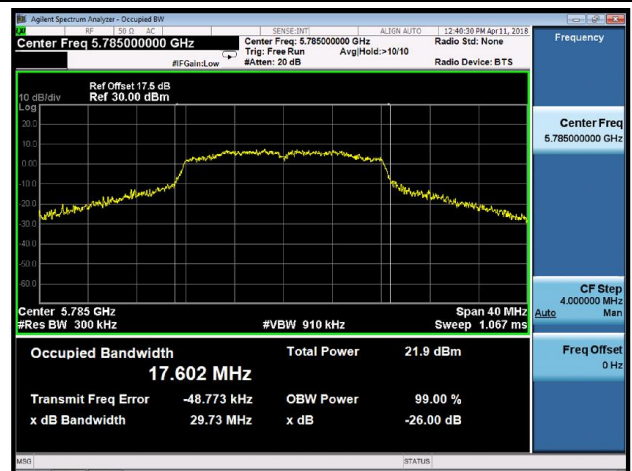
## Channel 144 (5720MHz)



## Channel 149 (5745MHz)

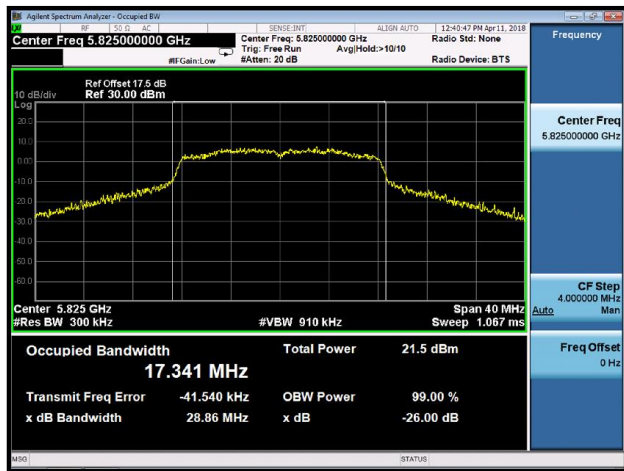


## Channel 157 (5785MHz)



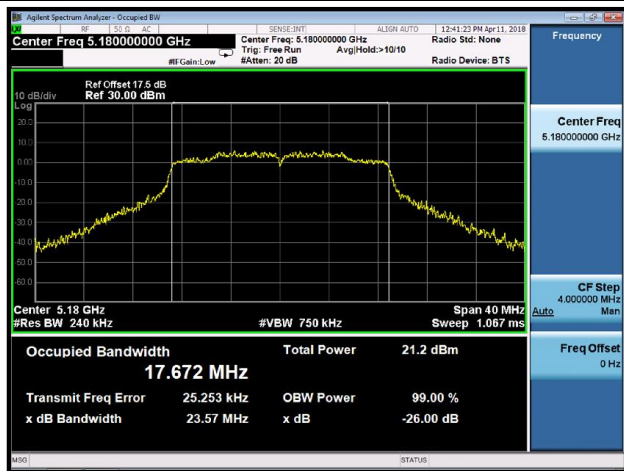
## 802.11a 26dB Bandwidth & 99% Bandwidth - Ant B

### Channel 165 (5825MHz)

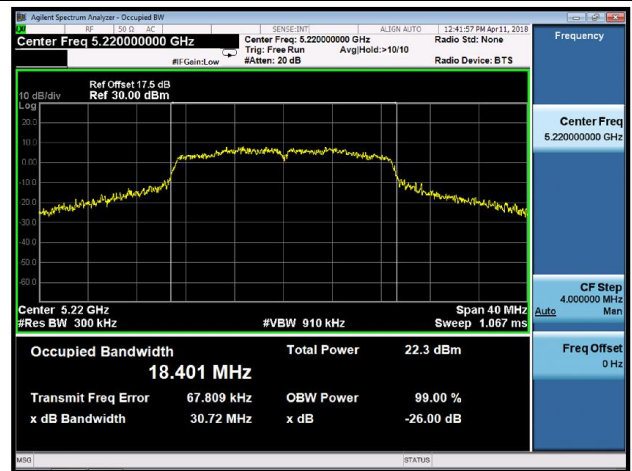


# 802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant B

## Channel 36 (5180MHz)



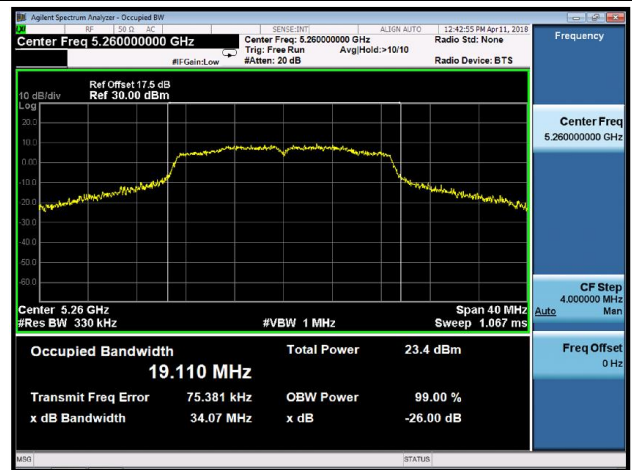
## Channel 44 (5220MHz)



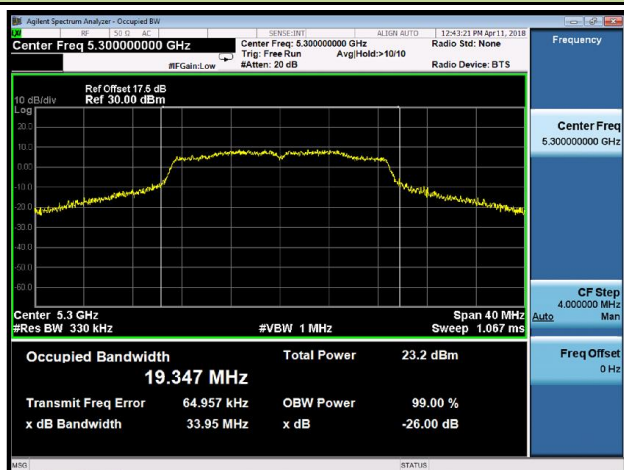
## Channel 48 (5240MHz)



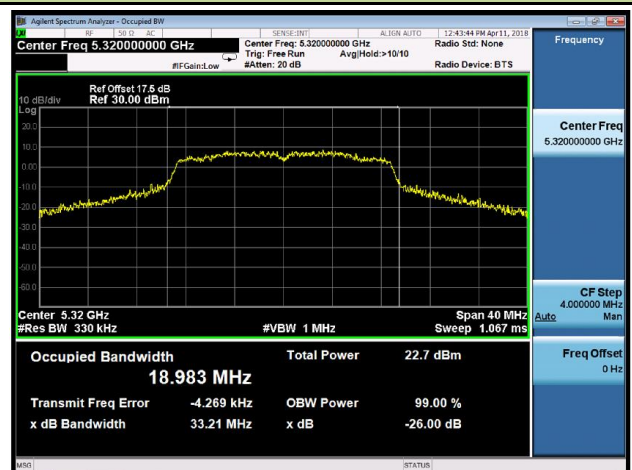
## Channel 52 (5260MHz)



## Channel 60 (5300MHz)

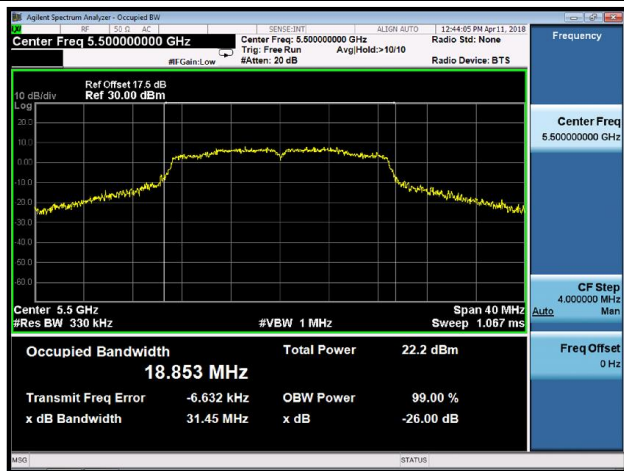


## Channel 64 (5320MHz)

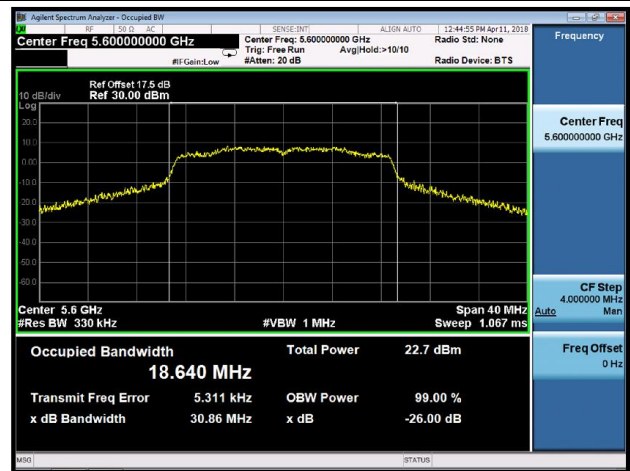


# 802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant B

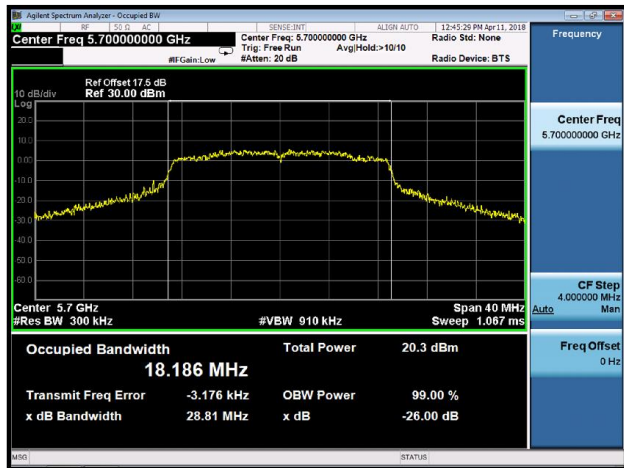
## Channel 100 (5500MHz)



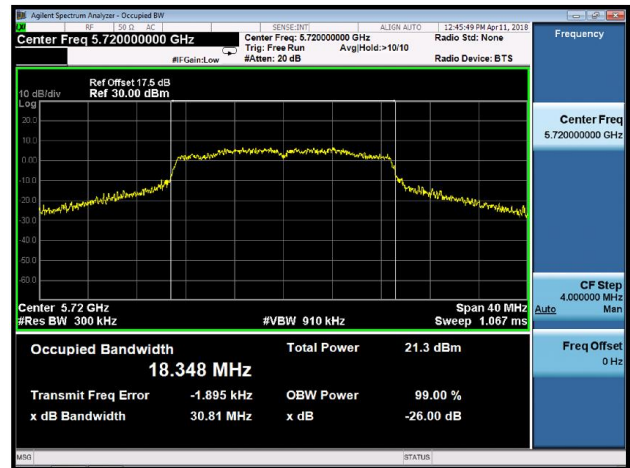
## Channel 100 (5600MHz)



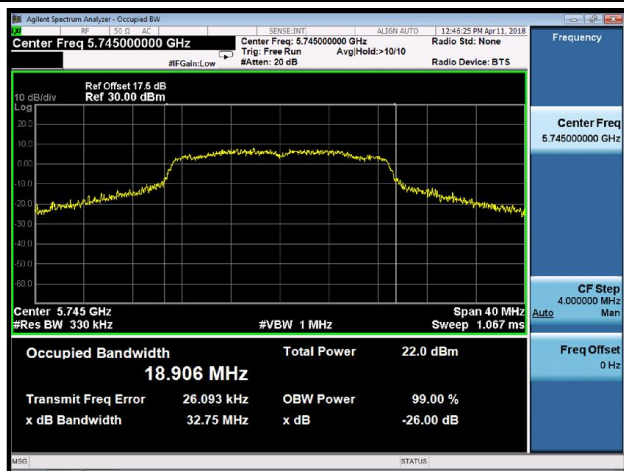
## Channel 140 (5700MHz)



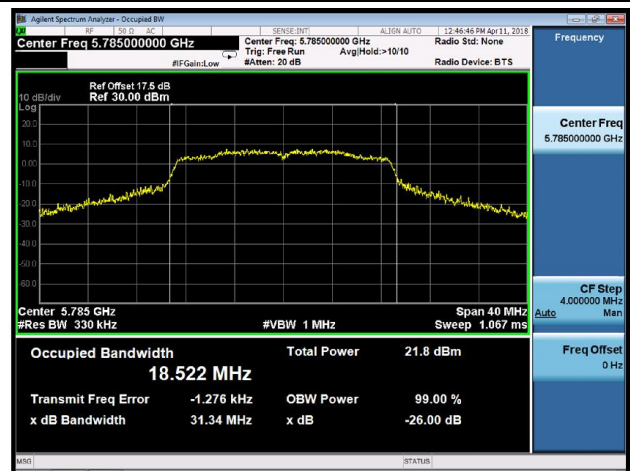
## Channel 144 (5720MHz)



## Channel 149 (5745MHz)

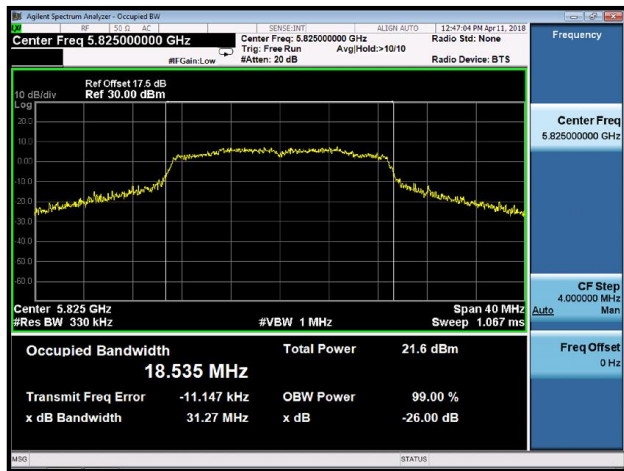


## Channel 157 (5785MHz)



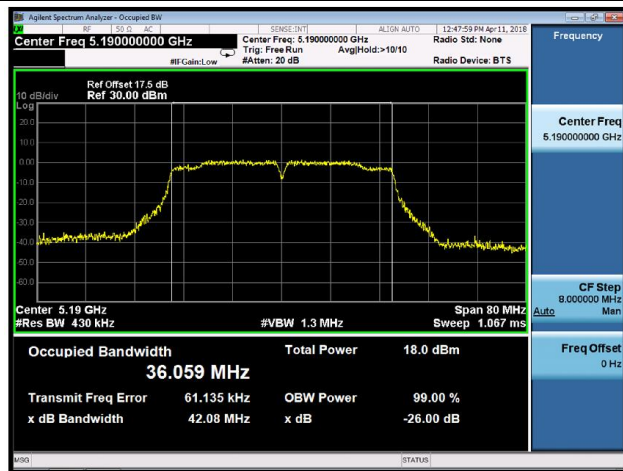
# 802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant B

## Channel 165 (5825MHz)

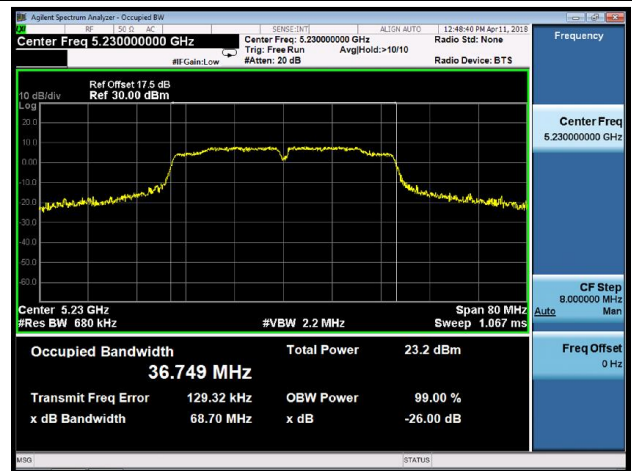


# 802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant B

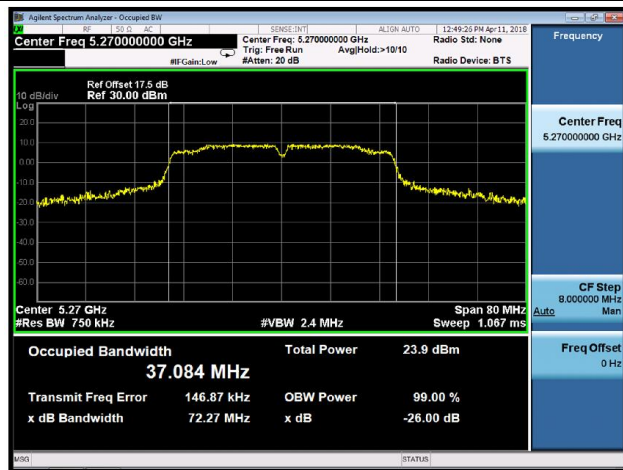
## Channel 38 (5190MHz)



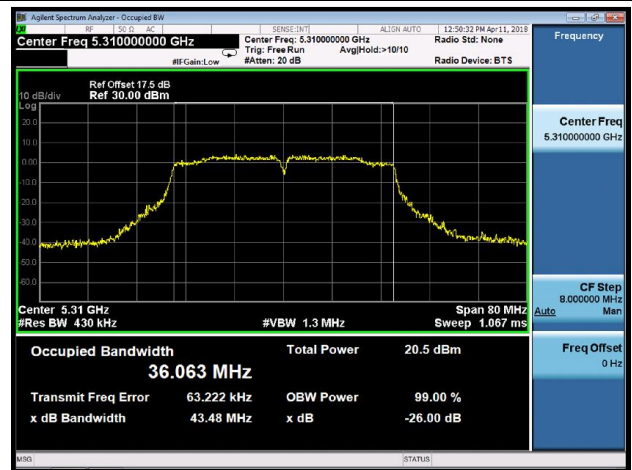
## Channel 46 (5230MHz)



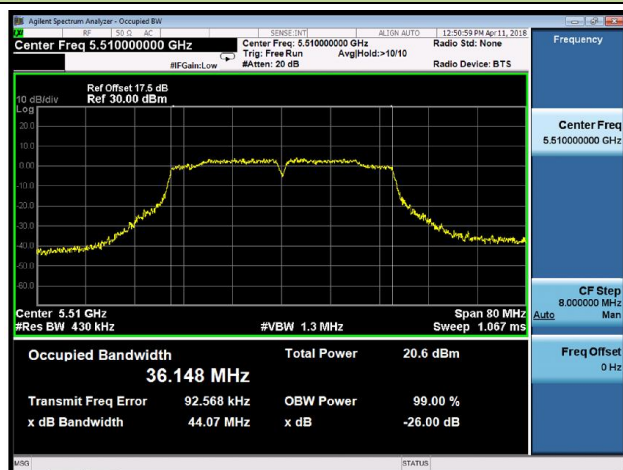
## Channel 54 (5270MHz)



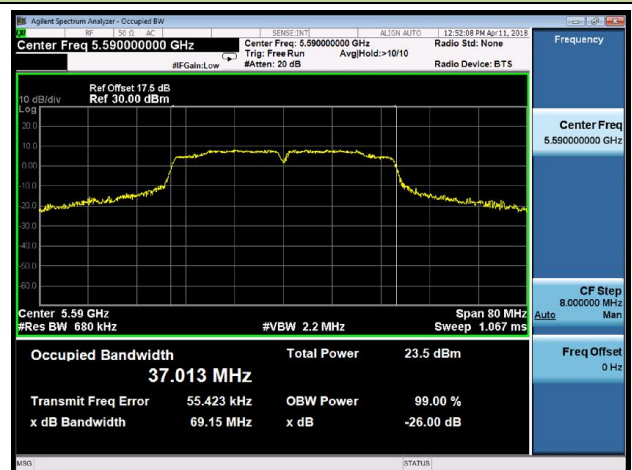
## Channel 62 (5310MHz)



## Channel 102 (5510MHz)



## Channel 118 (5590MHz)

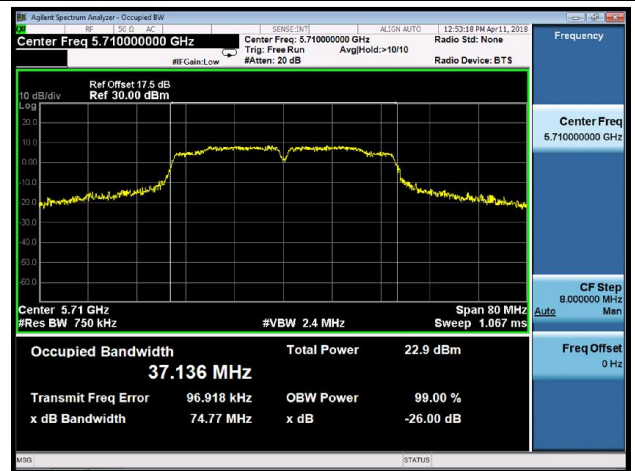


# 802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant B

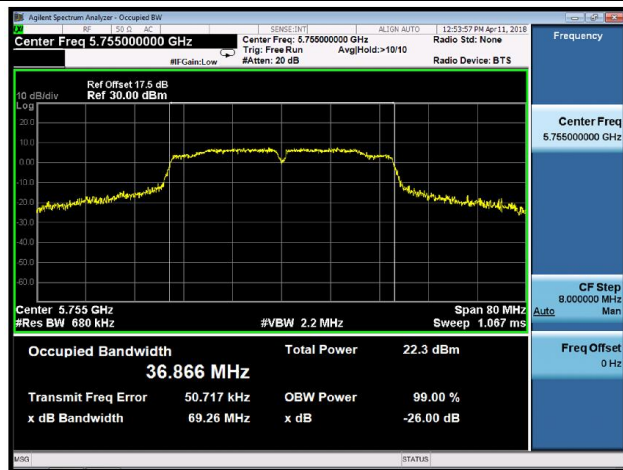
## Channel 134 (5670MHz)



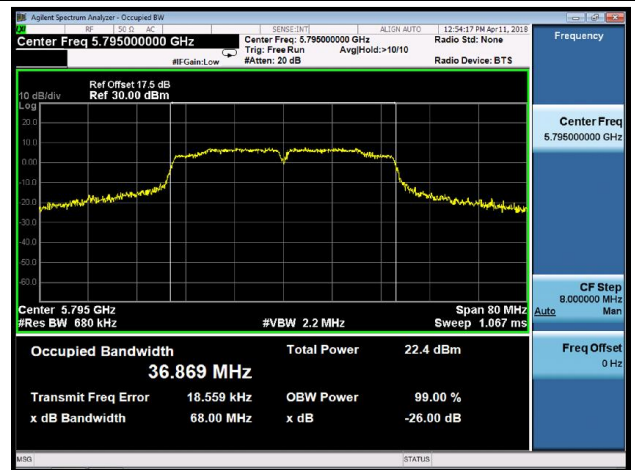
## Channel 142 (5710MHz)



## Channel 151 (5755MHz)

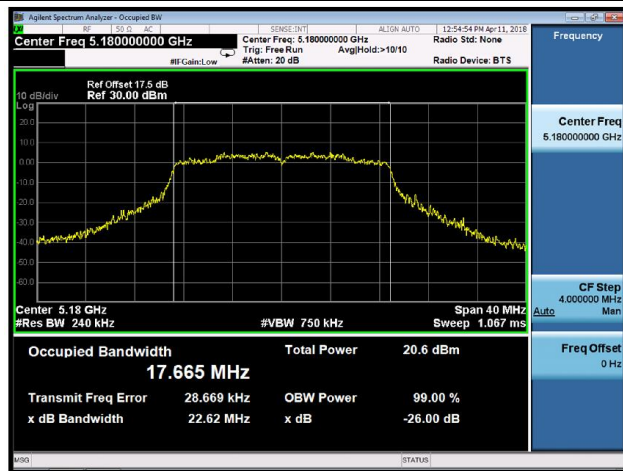


## Channel 159 (5795MHz)

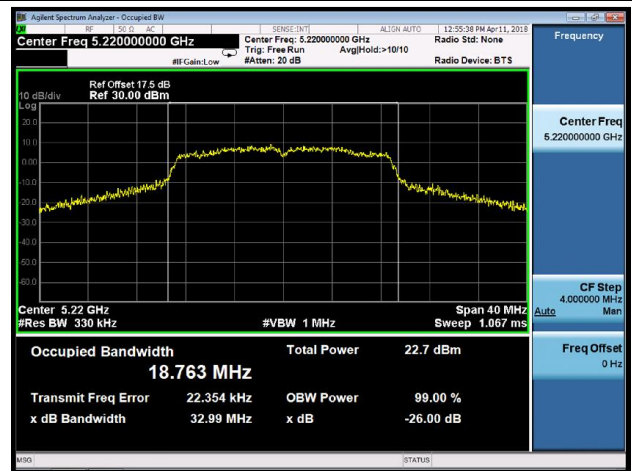


## 802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant B

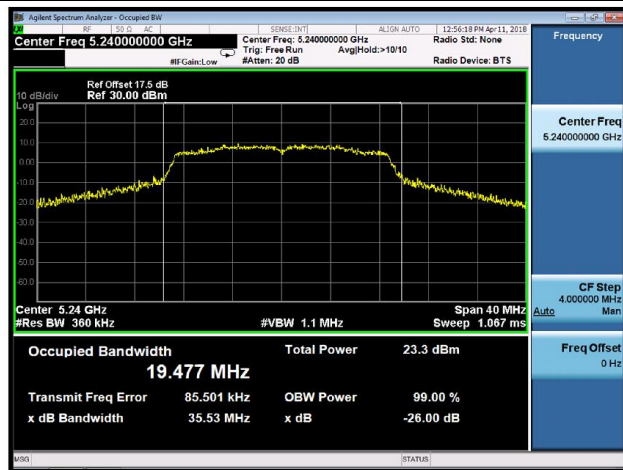
### Channel 36 (5180MHz)



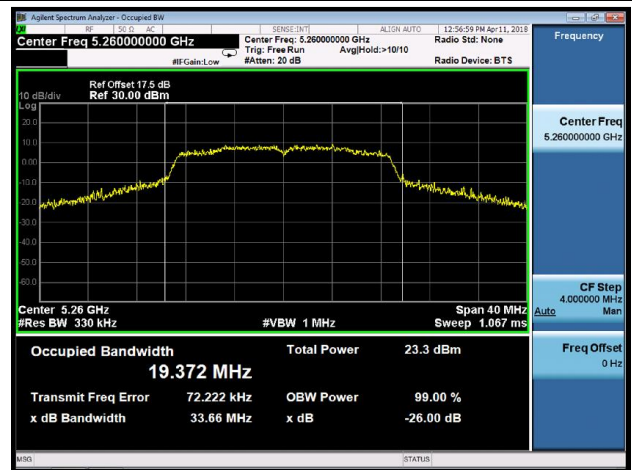
### Channel 44 (5220MHz)



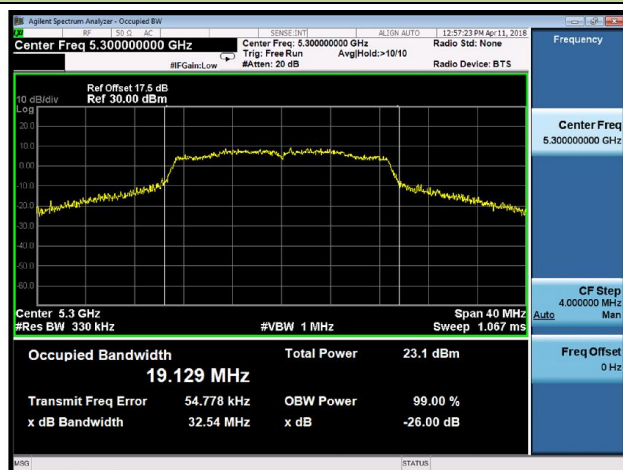
### Channel 48 (5240MHz)



### Channel 52 (5260MHz)



### Channel 60 (5300MHz)

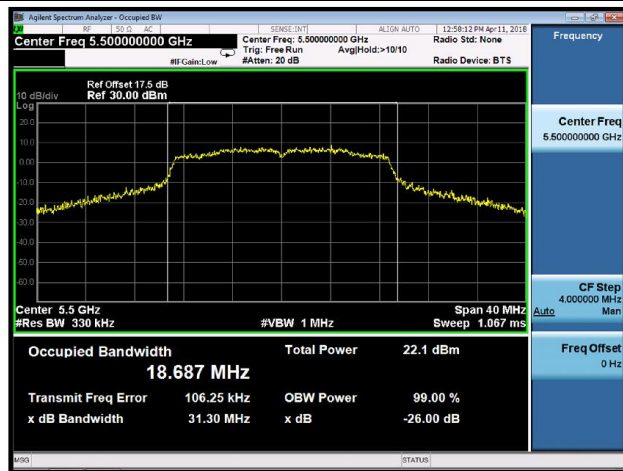


### Channel 64 (5320MHz)

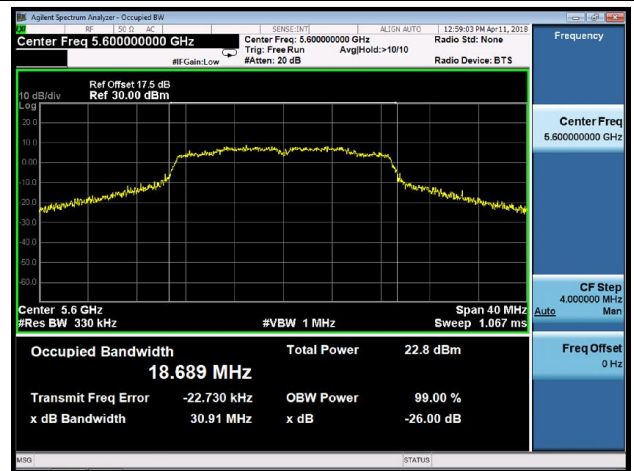


# 802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant B

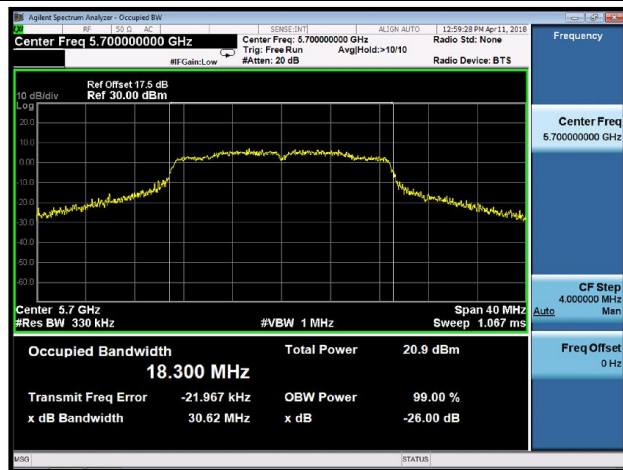
## Channel 100 (5500MHz)



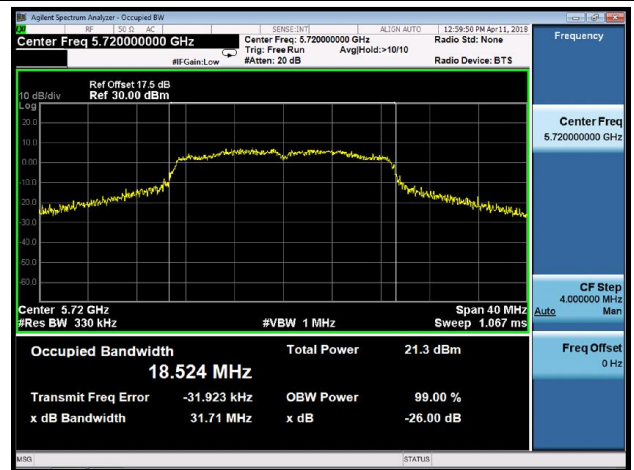
## Channel 120 (5600MHz)



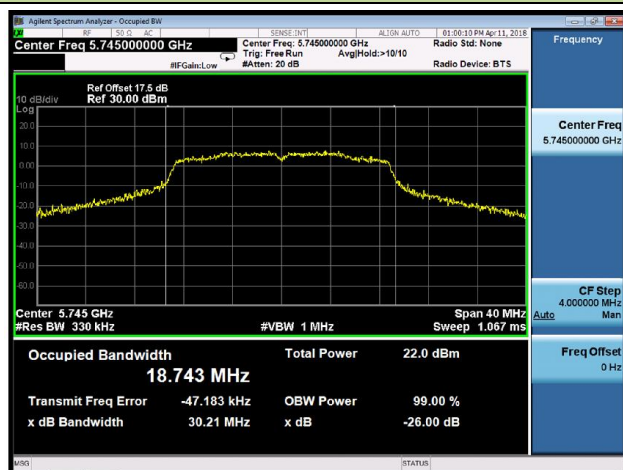
## Channel 140 (5700MHz)



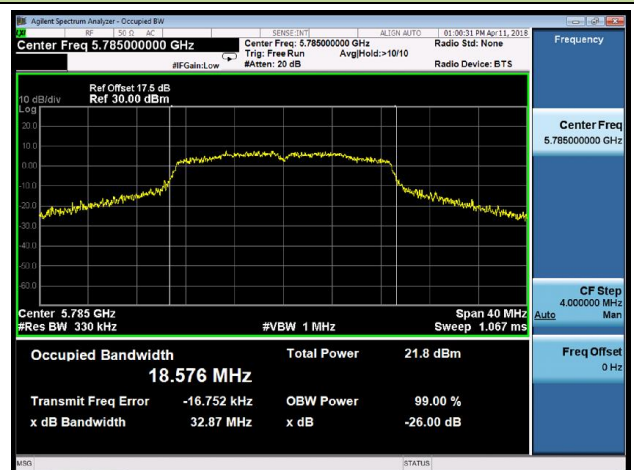
## Channel 144 (5720MHz)



## Channel 149 (5745MHz)

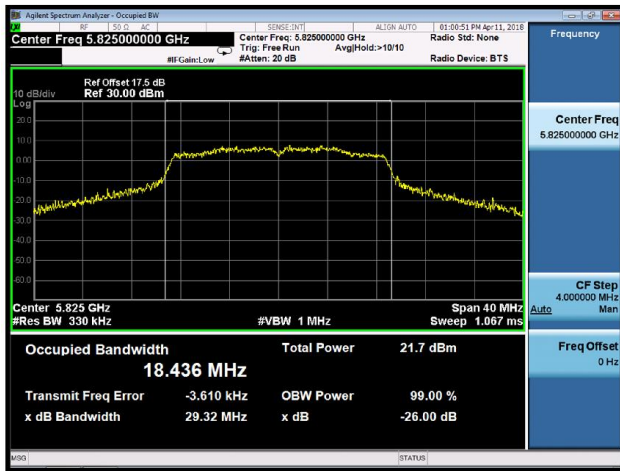


## Channel 157 (5785MHz)



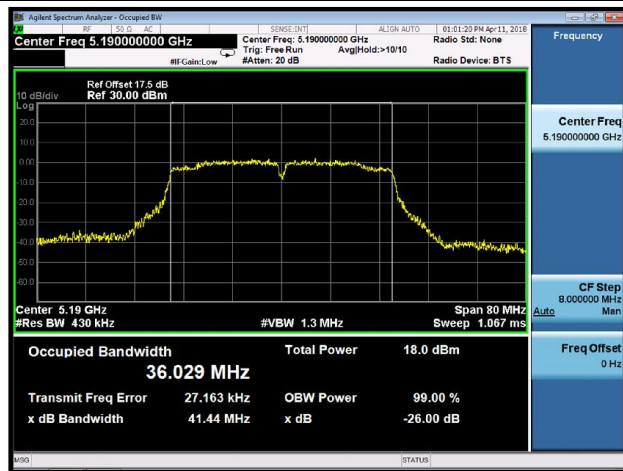
# 802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth - Ant B

## Channel 165 (5825MHz)

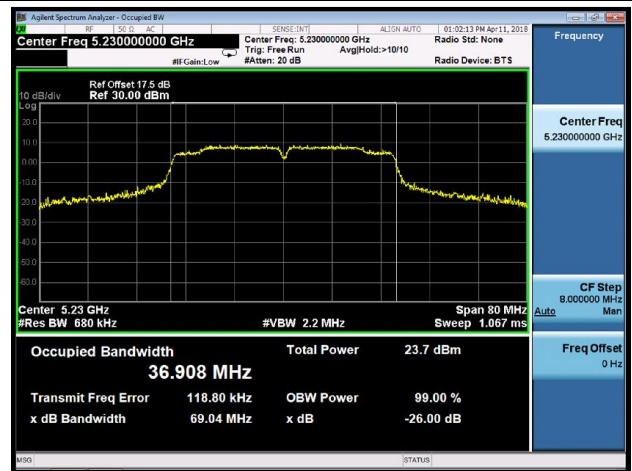


## 802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant B

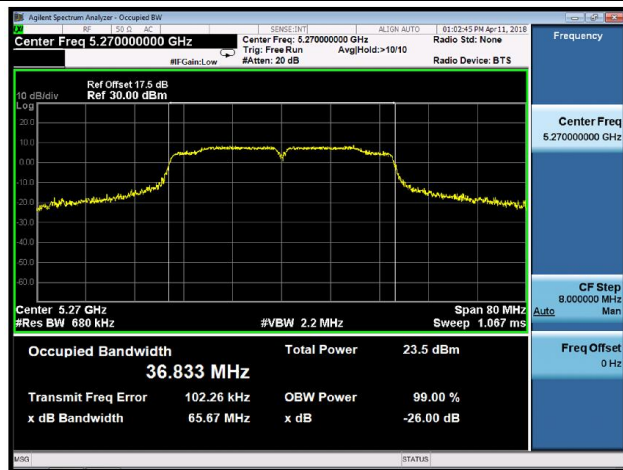
### Channel 38 (5190MHz)



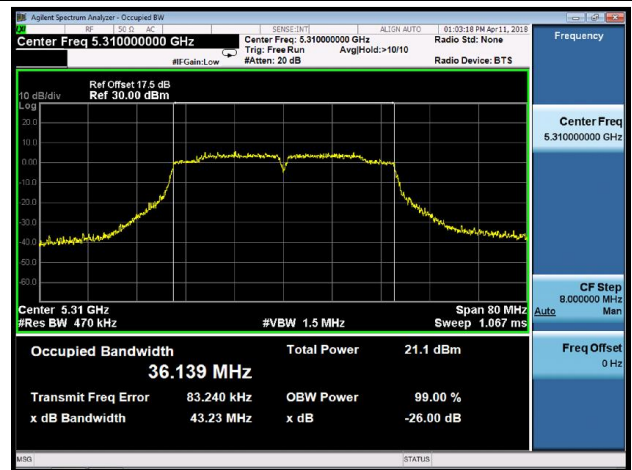
### Channel 46 (5230MHz)



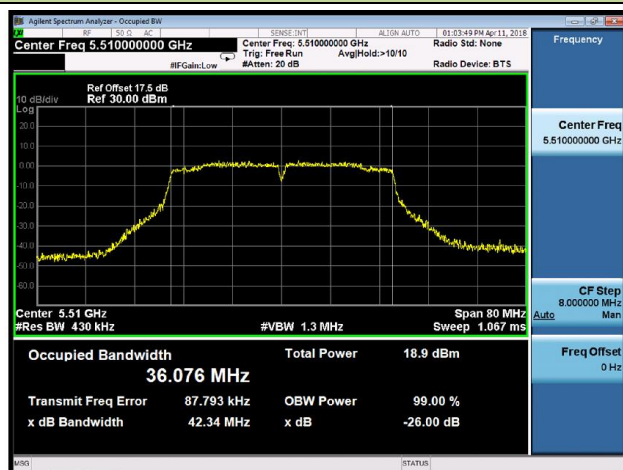
### Channel 54 (5270MHz)



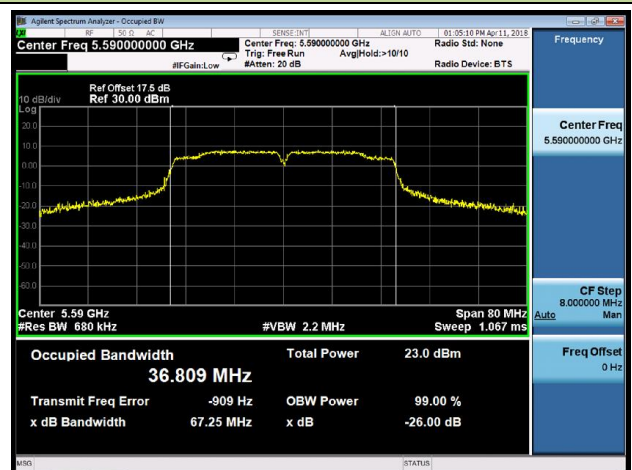
### Channel 62 (5310MHz)



### Channel 102 (5510MHz)

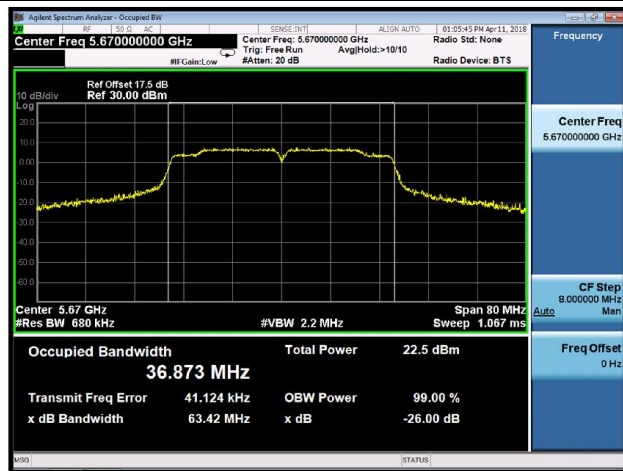


### Channel 118 (5590MHz)

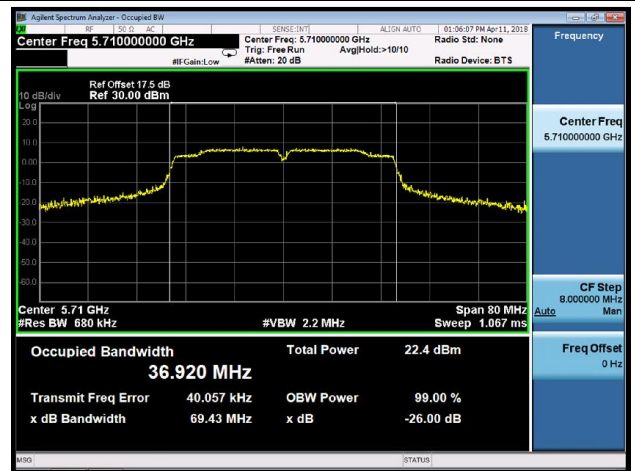


## 802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth - Ant B

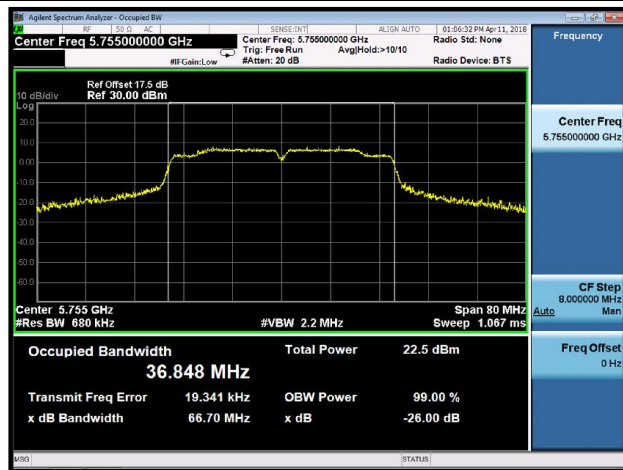
### Channel 134 (5670MHz)



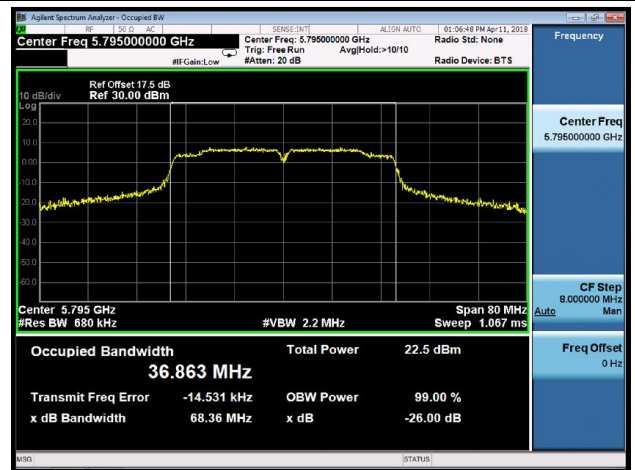
### Channel 142 (5710MHz)



### Channel 151 (5755MHz)

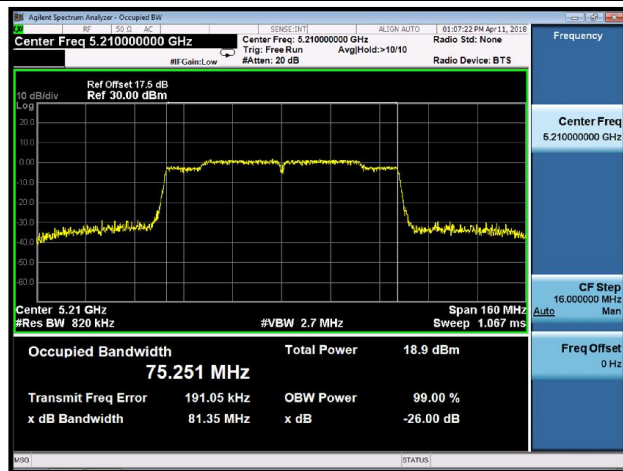


### Channel 159 (5795MHz)

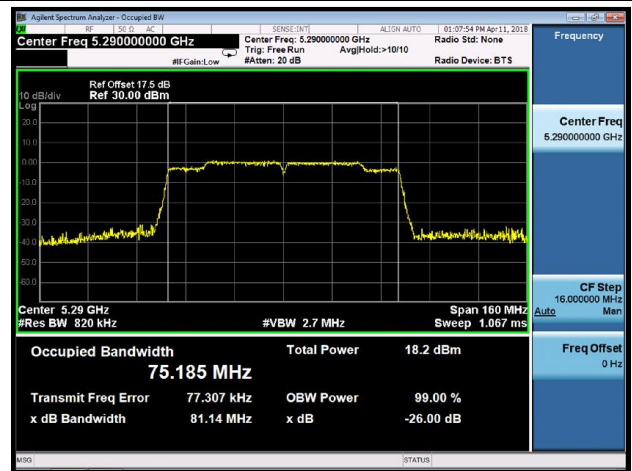


## 802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth - Ant B

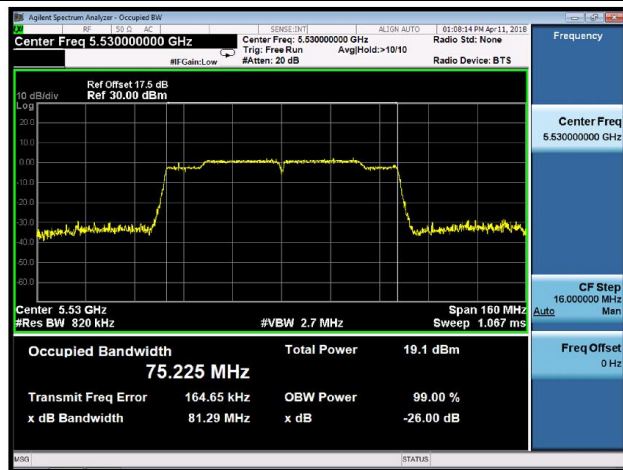
### Channel 42 (5210MHz)



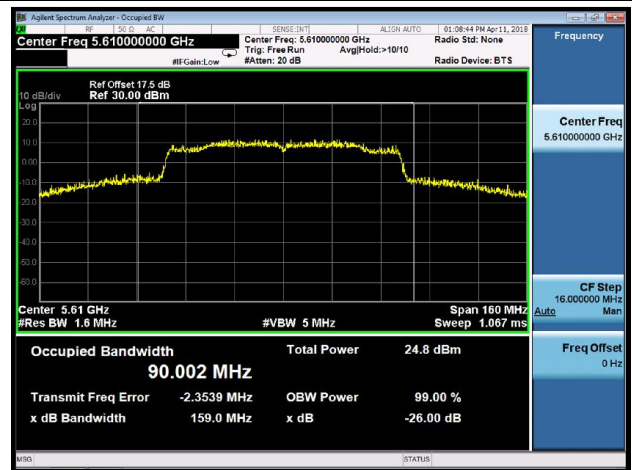
### Channel 58 (5290MHz)



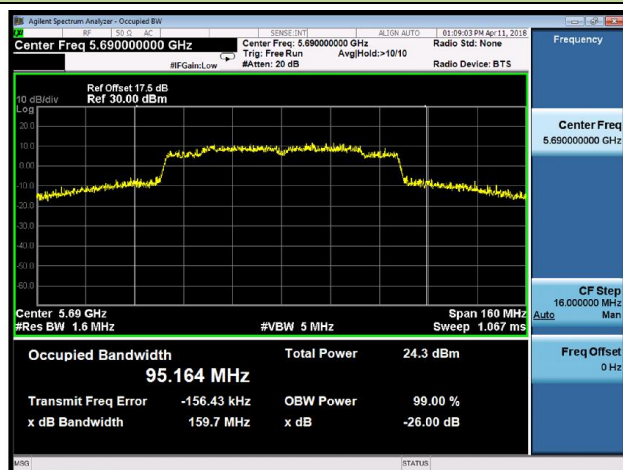
### Channel 106 (5530MHz)



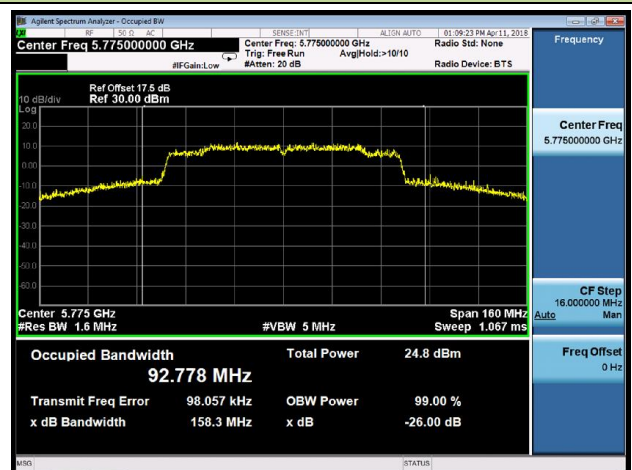
### Channel 122 (5610MHz)



### Channel 138 (5690MHz)



### Channel 155 (5775MHz)



### 7.3. 6dB Bandwidth Measurement

#### 7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

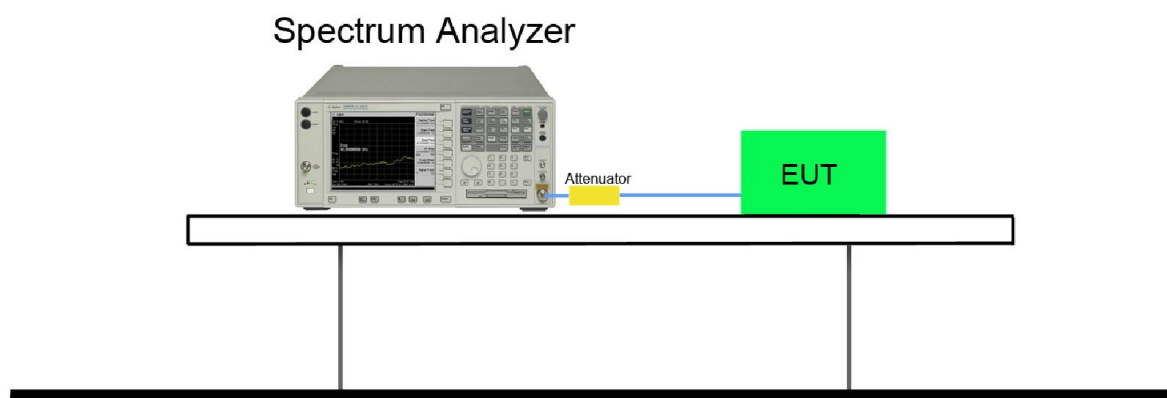
#### 7.3.2. Test Procedure used

KDB 789033 D02v02r01 - Section C.2

#### 7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW  $\geq 3 \times$  RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.3.4. Test Setup



### 7.3.5. Test Result

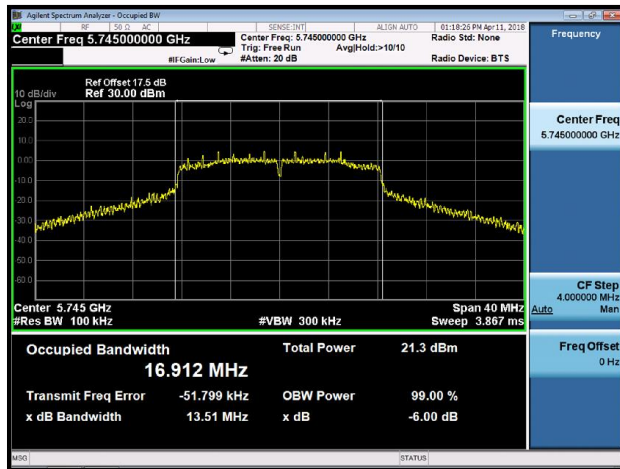
|               |                |                   |            |
|---------------|----------------|-------------------|------------|
| Product       | Acute Angle PC | Temperature       | 24°C       |
| Test Engineer | Kevin Ker      | Relative Humidity | 64%        |
| Test Site     | SR2            | Test Date         | 2018/04/11 |

| Test Mode      | Data Rate/<br>MCS | Channel<br>No. | Frequency<br>(MHz) | 6dB Bandwidth<br>(MHz) | Limit<br>(MHz) | Result |
|----------------|-------------------|----------------|--------------------|------------------------|----------------|--------|
| Ant A          |                   |                |                    |                        |                |        |
| 802.11a        | 6Mbps             | 149            | 5745               | 13.51                  | ≥ 0.5          | Pass   |
| 802.11a        | 6Mbps             | 157            | 5785               | 15.08                  | ≥ 0.5          | Pass   |
| 802.11a        | 6Mbps             | 165            | 5825               | 15.34                  | ≥ 0.5          | Pass   |
| 802.11n-HT20   | MCS0              | 149            | 5745               | 15.29                  | ≥ 0.5          | Pass   |
| 802.11n-HT20   | MCS0              | 157            | 5785               | 15.11                  | ≥ 0.5          | Pass   |
| 802.11n-HT20   | MCS0              | 165            | 5825               | 15.14                  | ≥ 0.5          | Pass   |
| 802.11n-HT40   | MCS0              | 151            | 5755               | 35.14                  | ≥ 0.5          | Pass   |
| 802.11n-HT40   | MCS0              | 159            | 5795               | 33.86                  | ≥ 0.5          | Pass   |
| 802.11ac-VHT20 | MCS0              | 149            | 5745               | 15.13                  | ≥ 0.5          | Pass   |
| 802.11ac-VHT20 | MCS0              | 157            | 5785               | 15.08                  | ≥ 0.5          | Pass   |
| 802.11ac-VHT20 | MCS0              | 165            | 5825               | 15.12                  | ≥ 0.5          | Pass   |
| 802.11ac-VHT40 | MCS0              | 151            | 5755               | 35.11                  | ≥ 0.5          | Pass   |
| 802.11ac-VHT40 | MCS0              | 159            | 5795               | 35.08                  | ≥ 0.5          | Pass   |
| 802.11ac-VHT80 | MCS0              | 155            | 5775               | 75.13                  | ≥ 0.5          | Pass   |

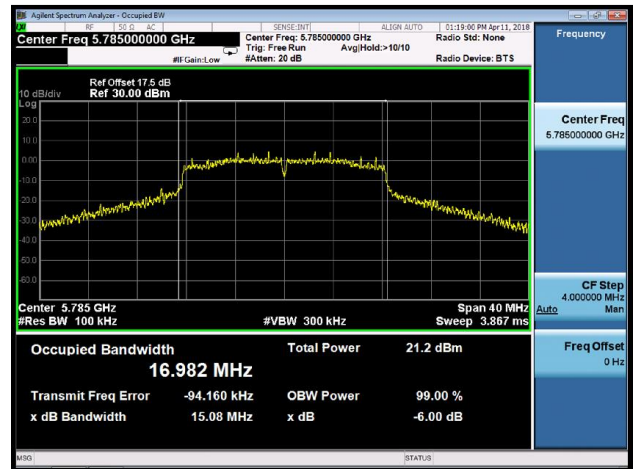
| Test Mode      | Data Rate/<br>MCS | Channel<br>No. | Frequency<br>(MHz) | 6dB Bandwidth<br>(MHz) | Limit<br>(MHz) | Result |
|----------------|-------------------|----------------|--------------------|------------------------|----------------|--------|
| Ant B          |                   |                |                    |                        |                |        |
| 802.11a        | 6Mbps             | 149            | 5745               | 15.35                  | $\geq 0.5$     | Pass   |
| 802.11a        | 6Mbps             | 157            | 5785               | 14.93                  | $\geq 0.5$     | Pass   |
| 802.11a        | 6Mbps             | 165            | 5825               | 15.14                  | $\geq 0.5$     | Pass   |
| 802.11n-HT20   | MCS0              | 149            | 5745               | 14.79                  | $\geq 0.5$     | Pass   |
| 802.11n-HT20   | MCS0              | 157            | 5785               | 15.07                  | $\geq 0.5$     | Pass   |
| 802.11n-HT20   | MCS0              | 165            | 5825               | 15.11                  | $\geq 0.5$     | Pass   |
| 802.11n-HT40   | MCS0              | 151            | 5755               | 33.83                  | $\geq 0.5$     | Pass   |
| 802.11n-HT40   | MCS0              | 159            | 5795               | 35.05                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT20 | MCS0              | 149            | 5745               | 15.61                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT20 | MCS0              | 157            | 5785               | 14.40                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT20 | MCS0              | 165            | 5825               | 13.19                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT40 | MCS0              | 151            | 5755               | 33.87                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT40 | MCS0              | 159            | 5795               | 32.60                  | $\geq 0.5$     | Pass   |
| 802.11ac-VHT80 | MCS0              | 155            | 5775               | 72.65                  | $\geq 0.5$     | Pass   |

## 802.11a 6dB Bandwidth - Ant A

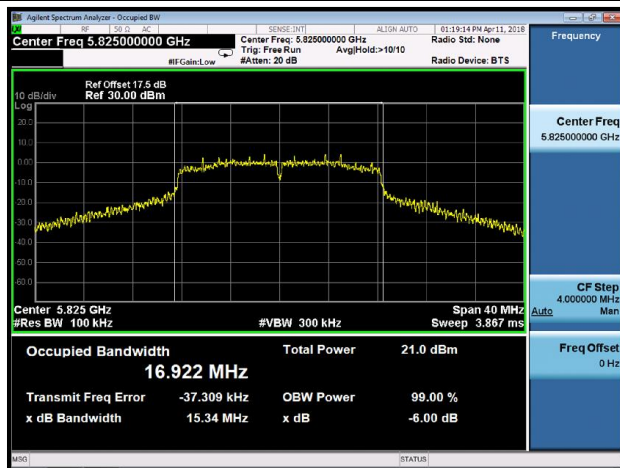
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

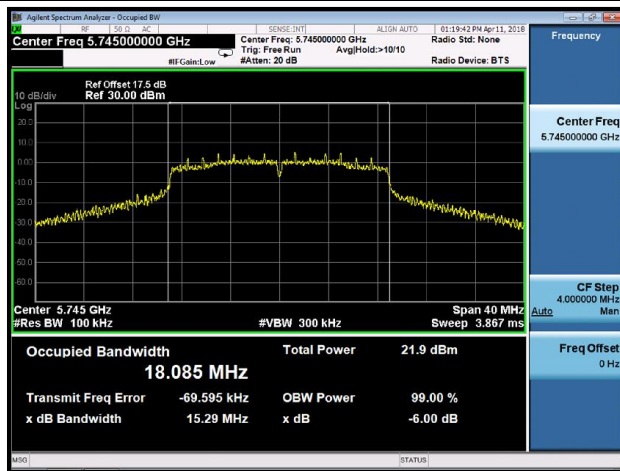


### Channel 165 (5825MHz)

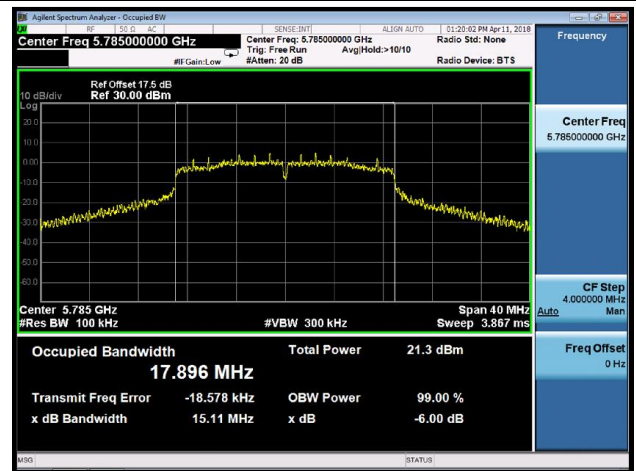


## 802.11n-HT20 6dB Bandwidth - Ant A

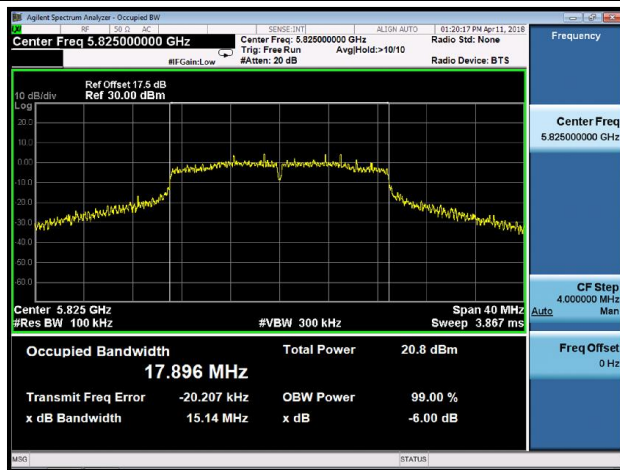
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

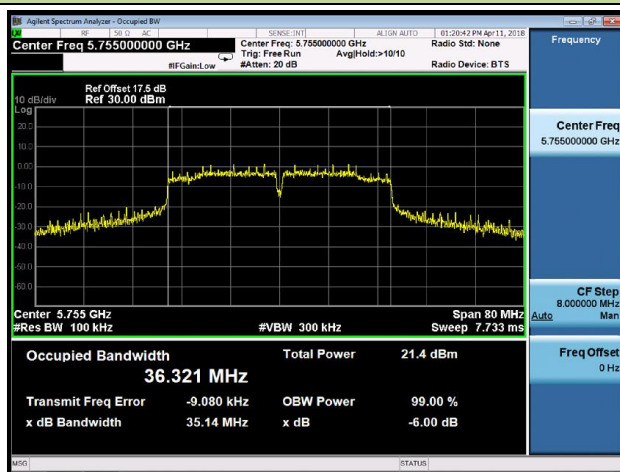


### Channel 165 (5825MHz)

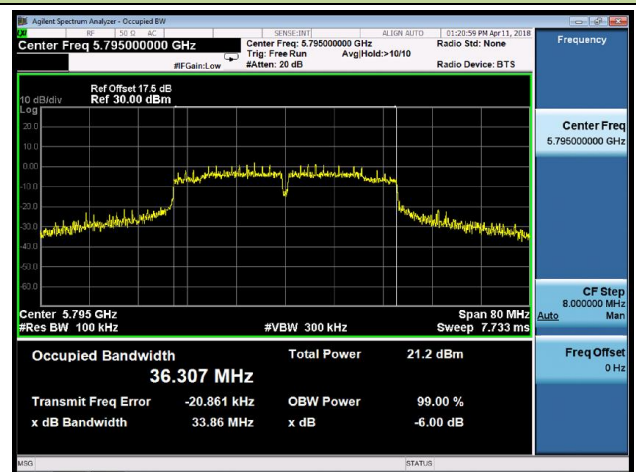


## 802.11n-HT40 6dB Bandwidth - Ant A

### Channel 151 (5755MHz)

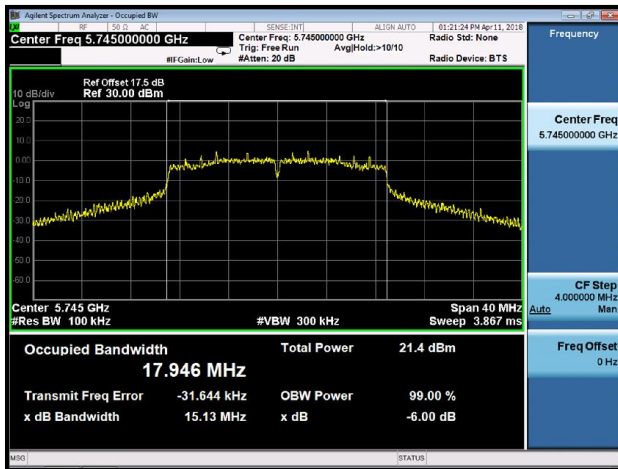


### Channel 159 (5795MHz)

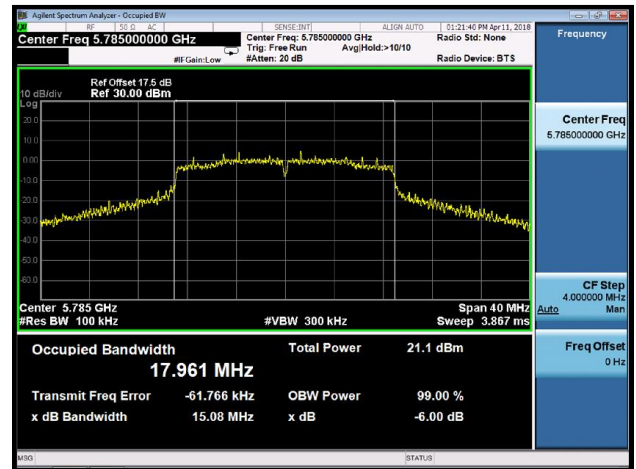


### 802.11ac-VHT20 6dB Bandwidth - Ant A

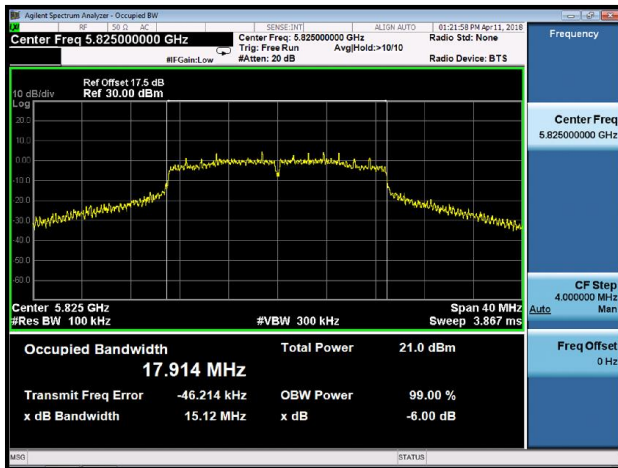
#### Channel 149 (5745MHz)



#### Channel 157 (5785MHz)

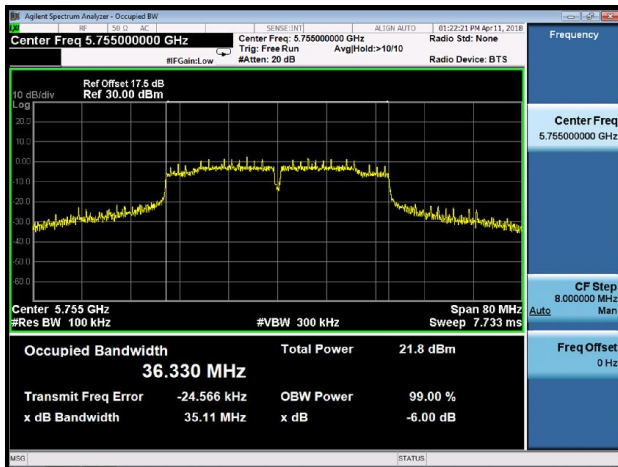


#### Channel 165 (5825MHz)

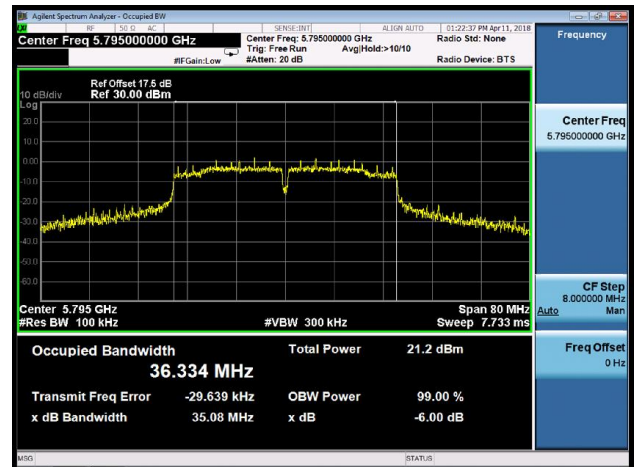


### 802.11ac-VHT40 6dB Bandwidth - Ant A

#### Channel 151 (5755MHz)

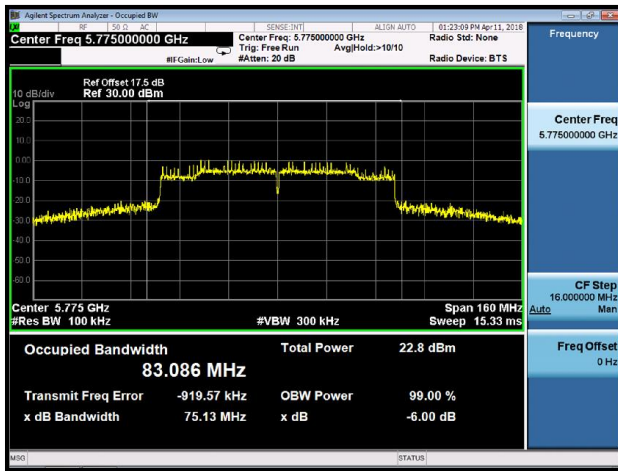


#### Channel 159 (5795MHz)



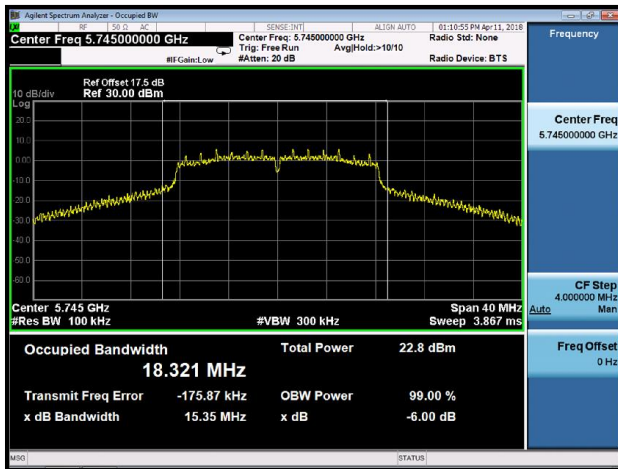
## 802.11ac-VHT80 6dB Bandwidth - Ant A

### Channel 155 (5775MHz)

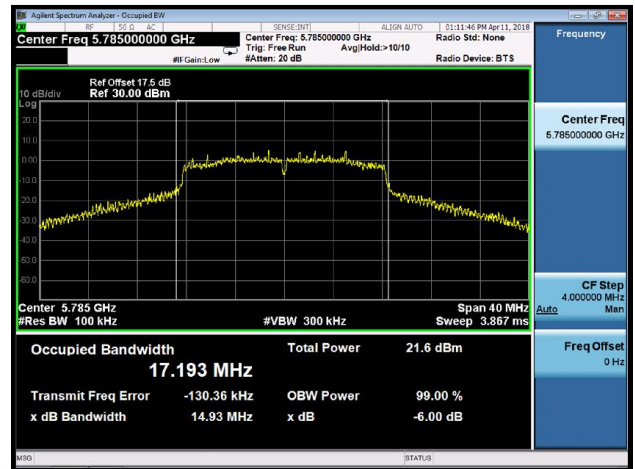


## 802.11a 6dB Bandwidth - Ant B

### Channel 149 (5745MHz)



### Channel 157 (5785MHz)



### Channel 165 (5825MHz)

