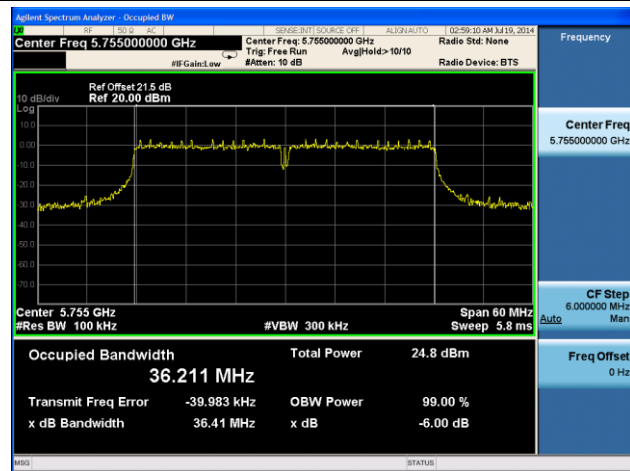
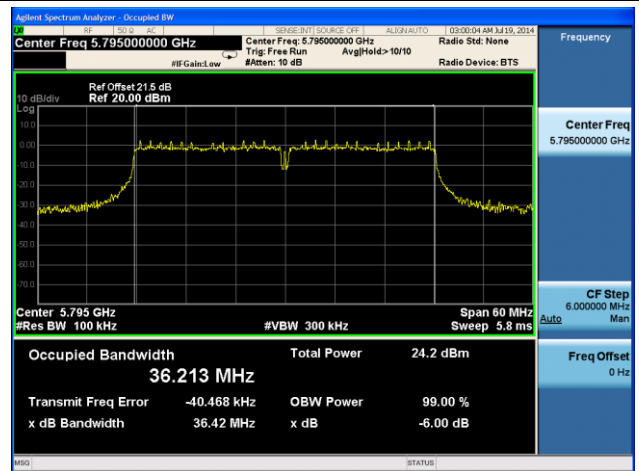


### 802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

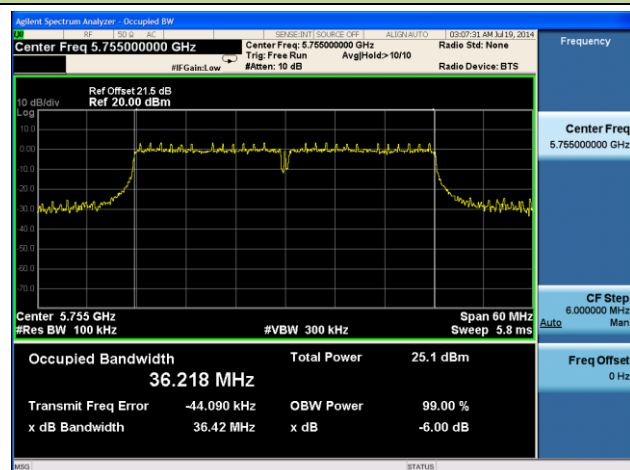


#### Channel 159 (5795MHz)

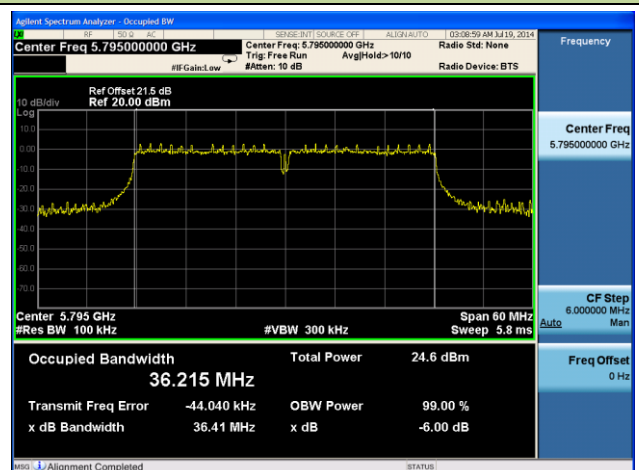


### 802.11ac-VHT40 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

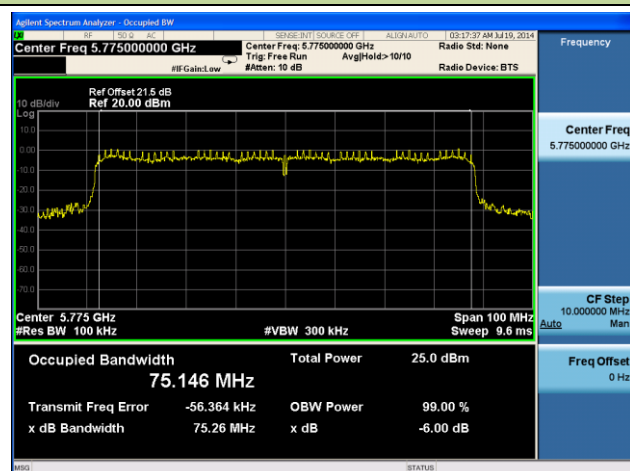


#### Channel 159 (5795MHz)



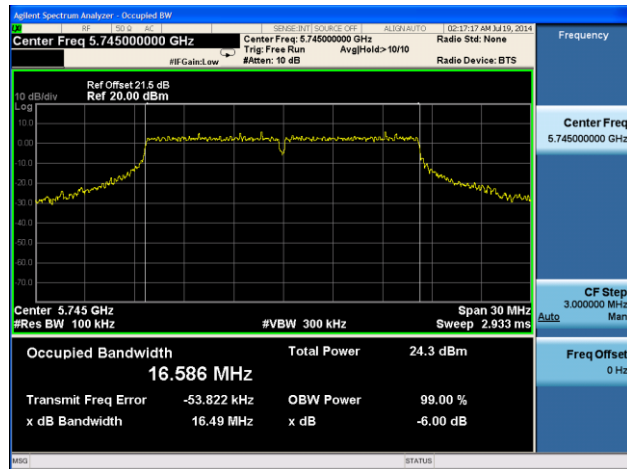
### 802.11ac-VHT80 6dB Bandwidth - Ant 0 / Ant 0 + 1 + 2 + 3

#### Channel 155 (5775MHz)

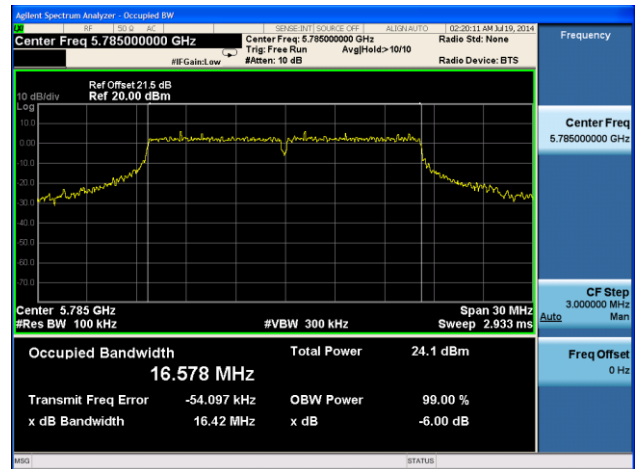


### 802.11a 6dB Bandwidth - Ant 1 / Ant 0 + 1 + 2 + 3

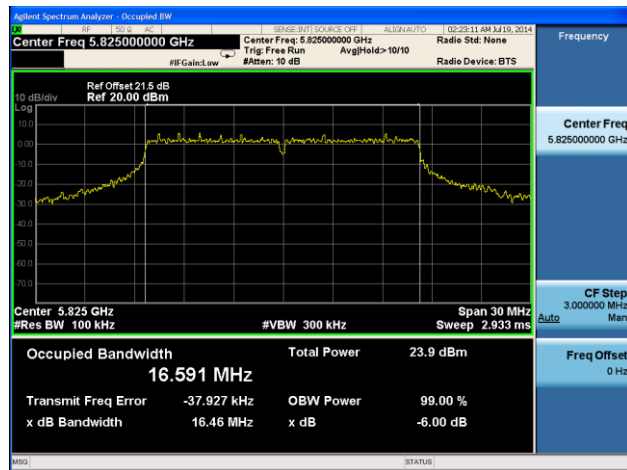
#### Channel 149 (5745MHz)



#### Channel 157 (5785MHz)

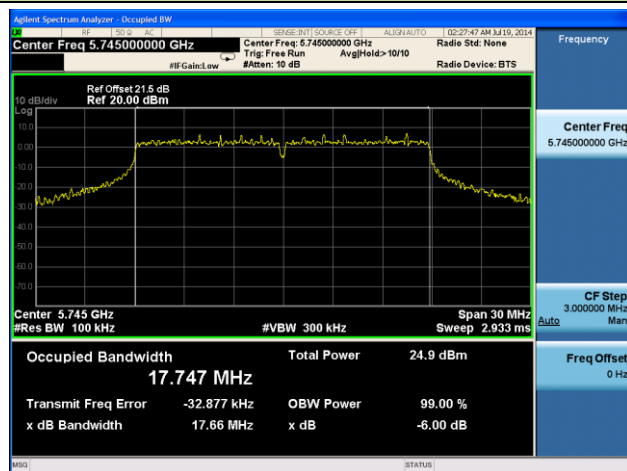


#### Channel 165 (5825MHz)

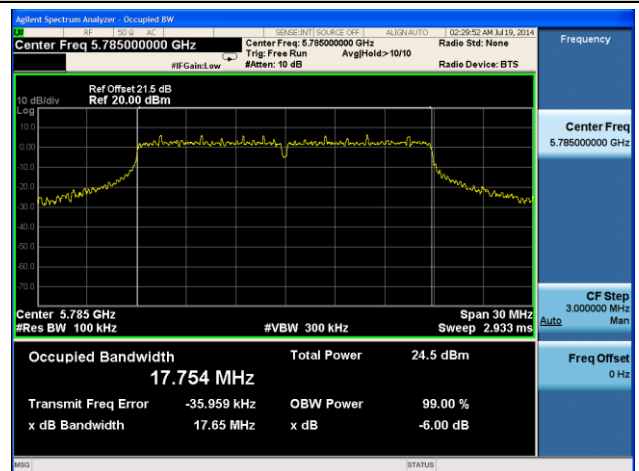


### 802.11n-HT20 6dB Bandwidth - Ant 1 / Ant 0 + 1 + 2 + 3

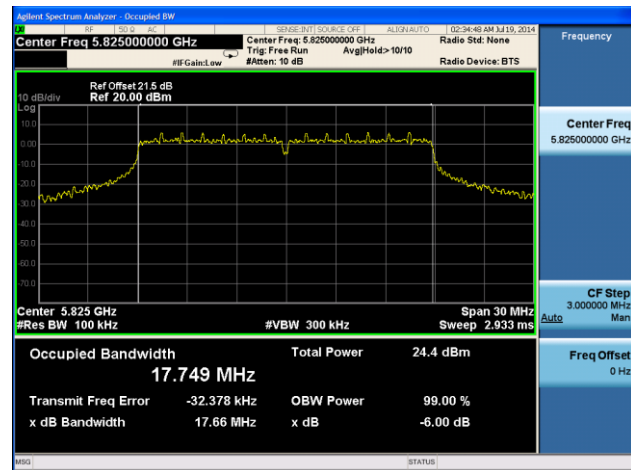
#### Channel 149 (5745MHz)



#### Channel 157 (5785MHz)

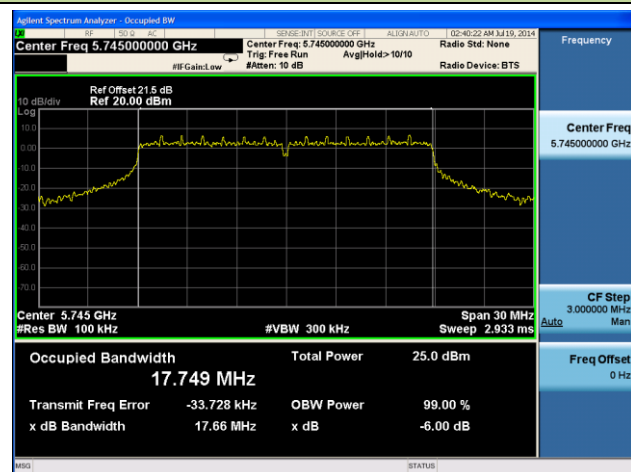


### Channel 165 (5825MHz)

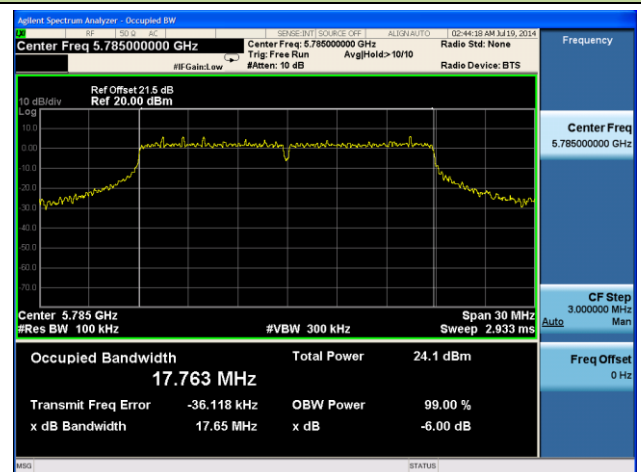


### 802.11ac-VHT20 6dB Bandwidth - Ant 1 / Ant 0 + 1 + 2 + 3

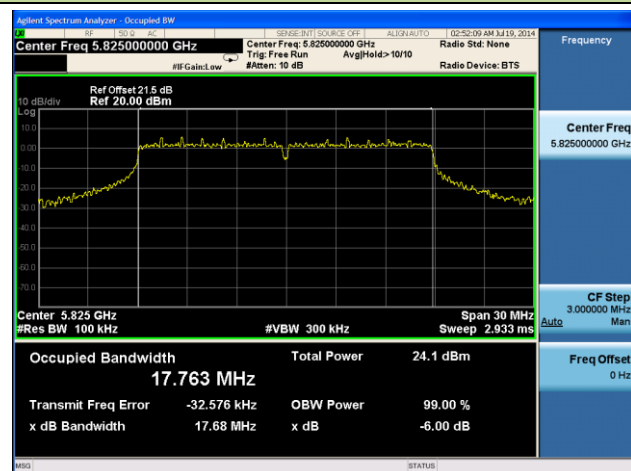
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

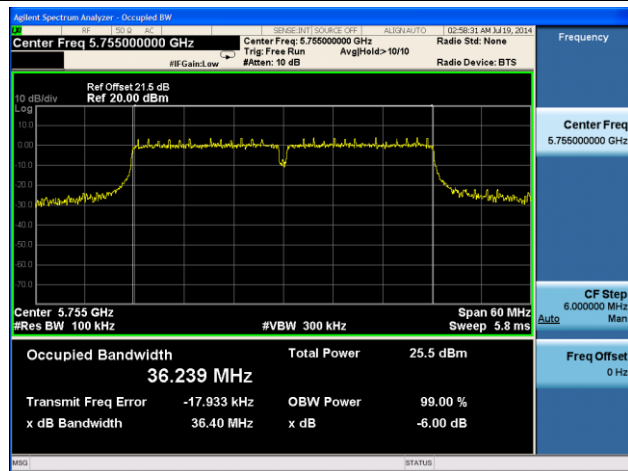


### Channel 165 (5825MHz)

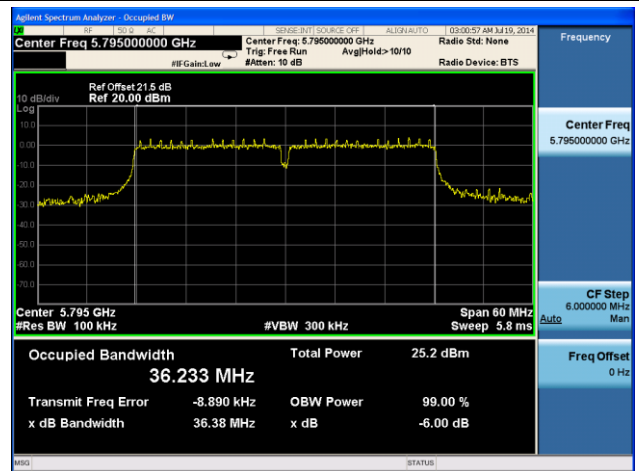


### 802.11n-HT40 6dB Bandwidth - Ant 1 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

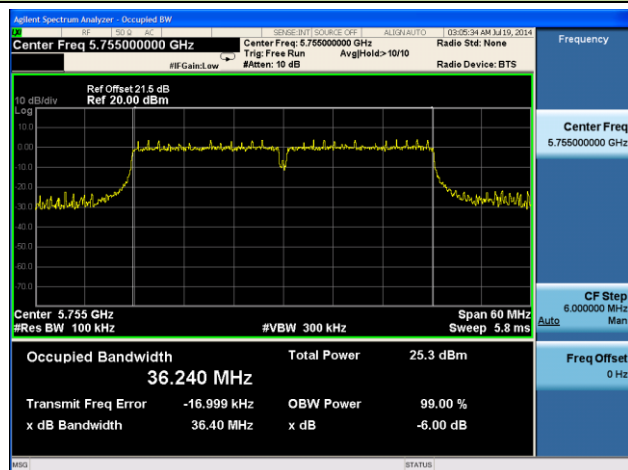


#### Channel 159 (5795MHz)

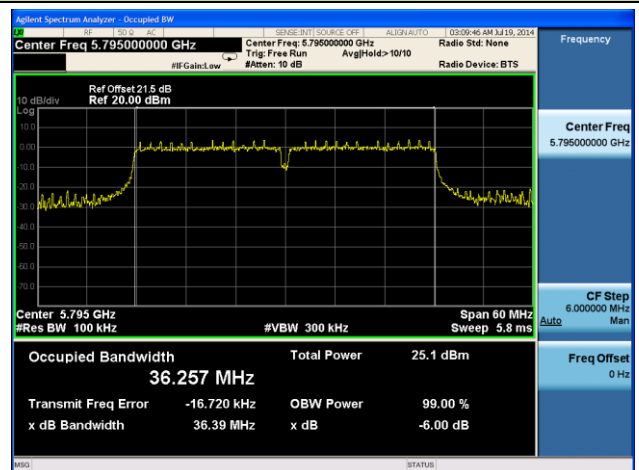


### 802.11ac-VHT40 6dB Bandwidth - Ant 1 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

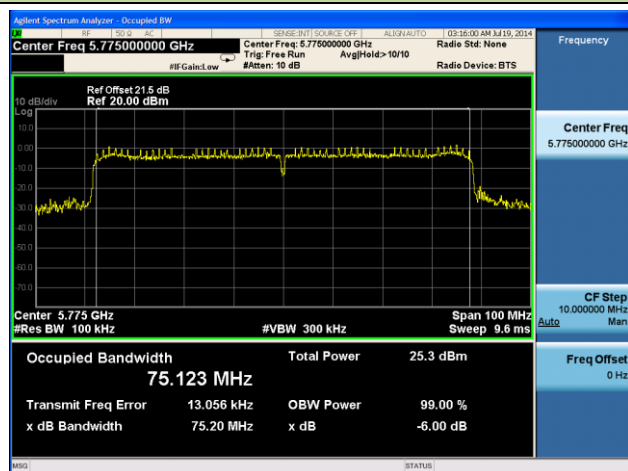


#### Channel 159 (5795MHz)



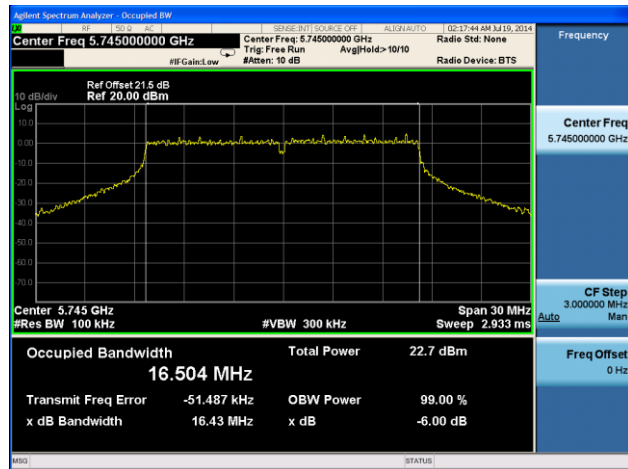
### 802.11ac-VHT80 6dB Bandwidth - Ant 1 / Ant 0 + 1 + 2 + 3

#### Channel 155 (5775MHz)

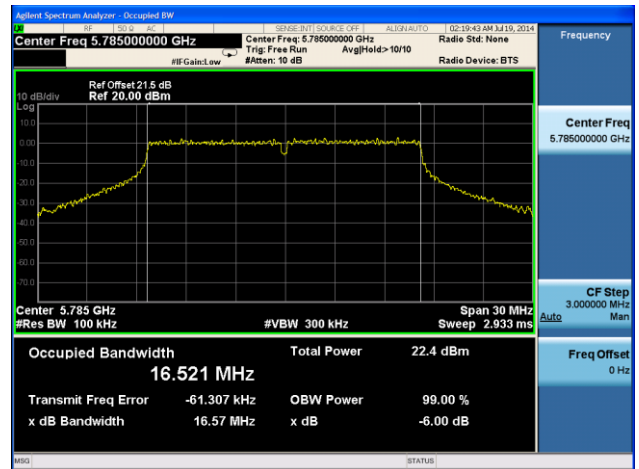


## 802.11a 6dB Bandwidth - Ant 2 / Ant 0 + 1 + 2 + 3

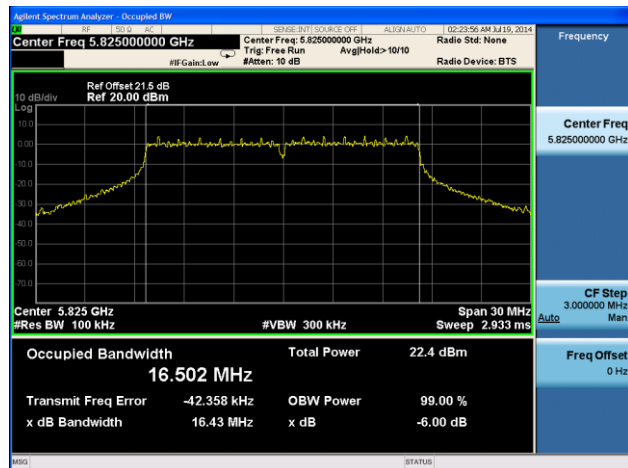
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

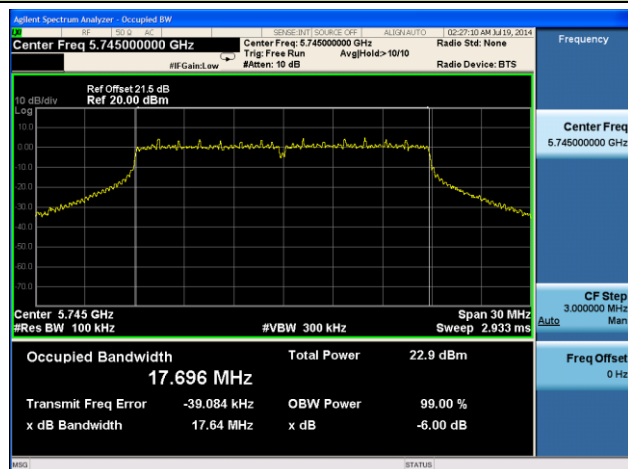


## Channel 165 (5825MHz)

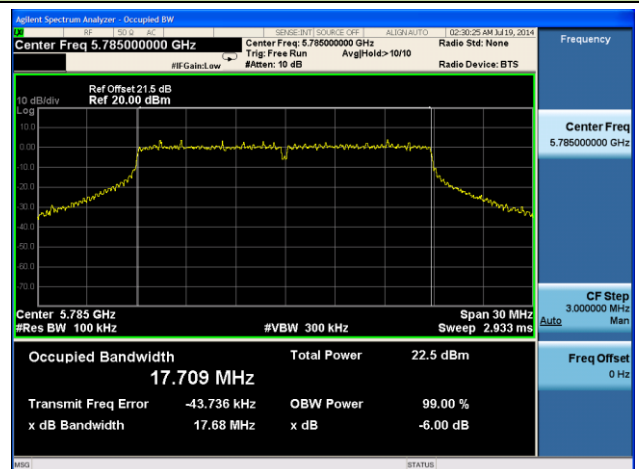


## 802.11n-HT20 6dB Bandwidth - Ant 2 / Ant 0 + 1 + 2 + 3

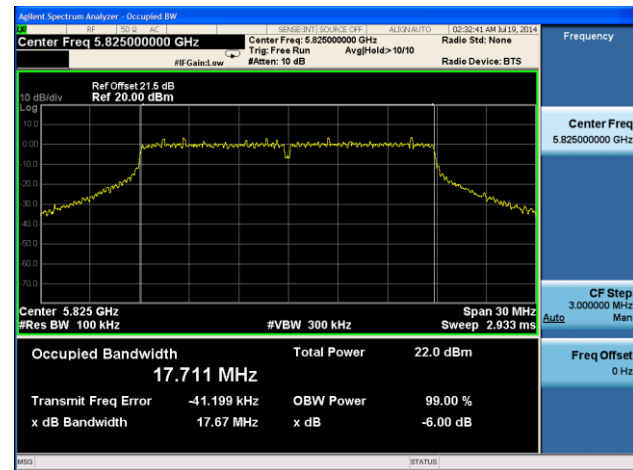
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

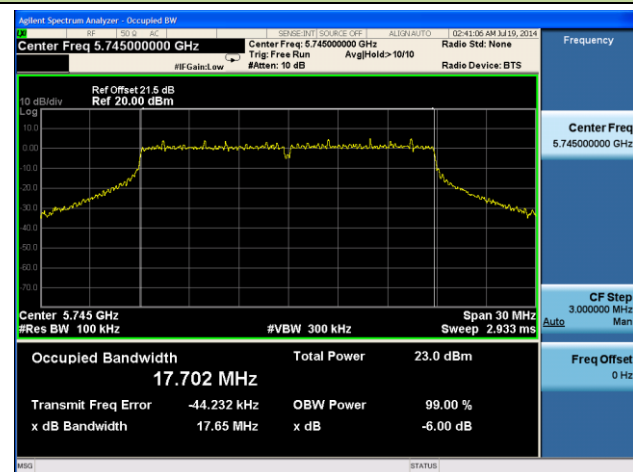


### Channel 165 (5825MHz)

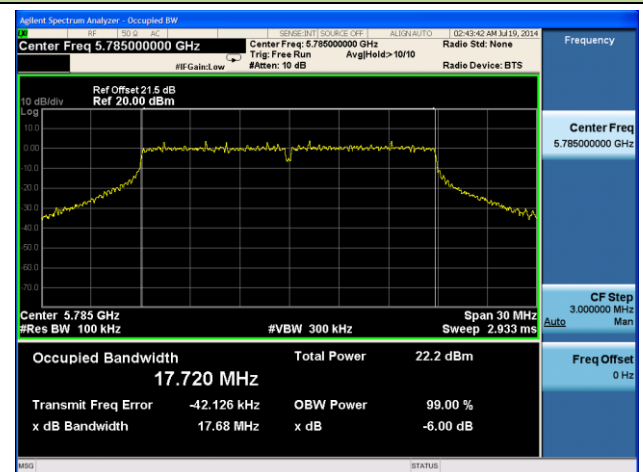


### 802.11ac-VHT20 6dB Bandwidth - Ant 2 / Ant 0 + 1 + 2 + 3

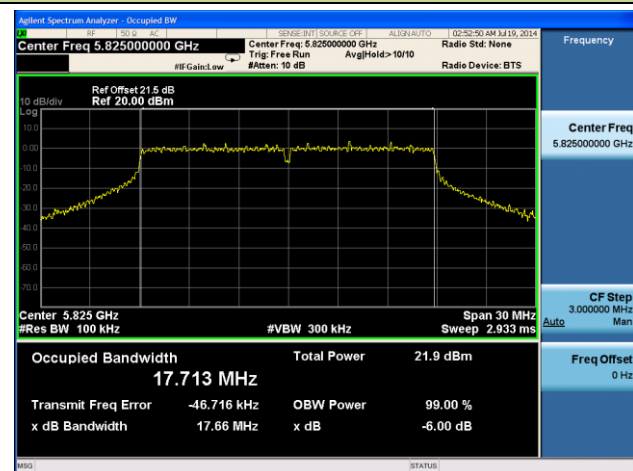
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

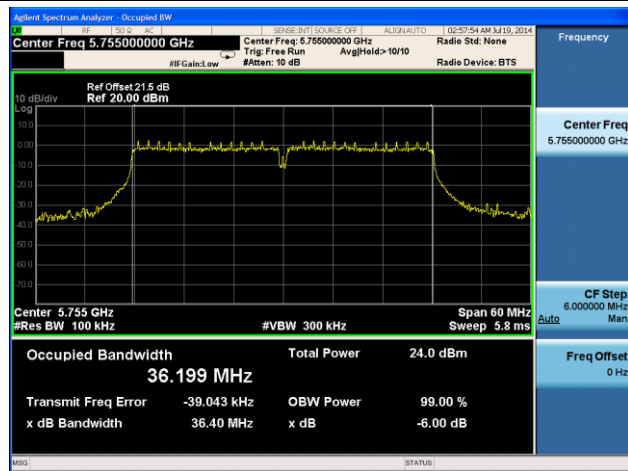


### Channel 165 (5825MHz)

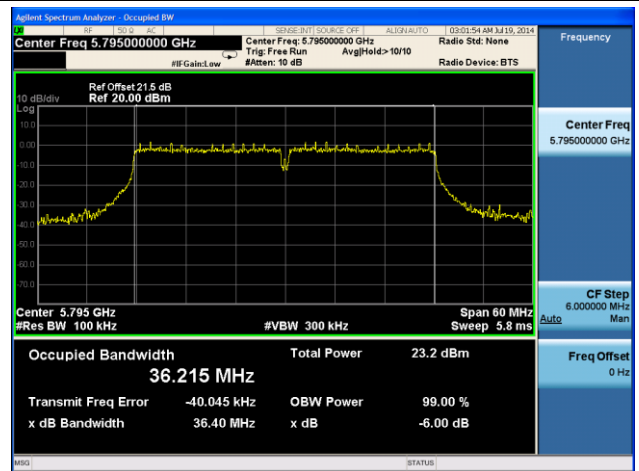


### 802.11n-HT40 6dB Bandwidth - Ant 2 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

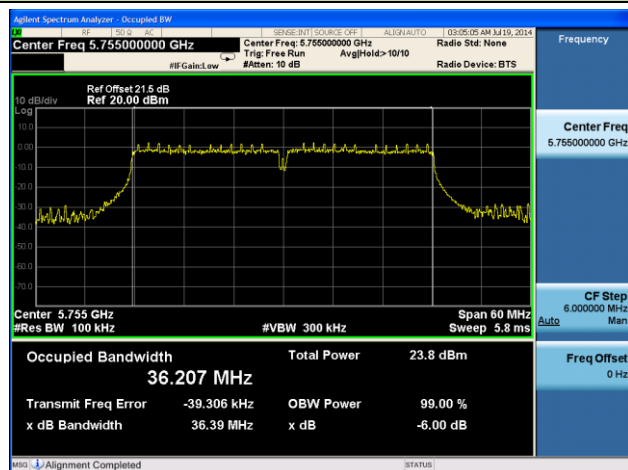


#### Channel 159 (5795MHz)

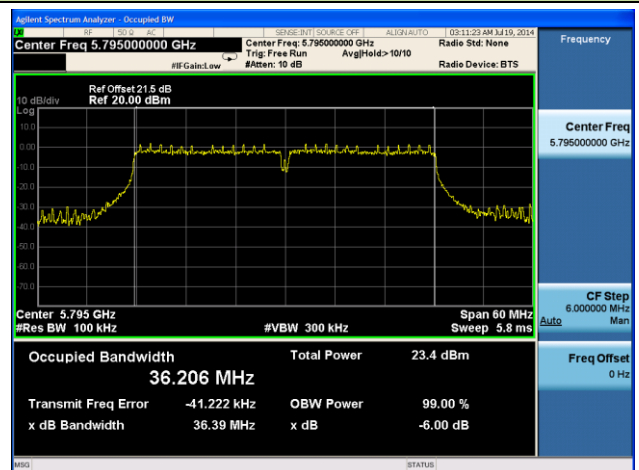


### 802.11ac-VHT40 6dB Bandwidth - Ant 2 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5745MHz)

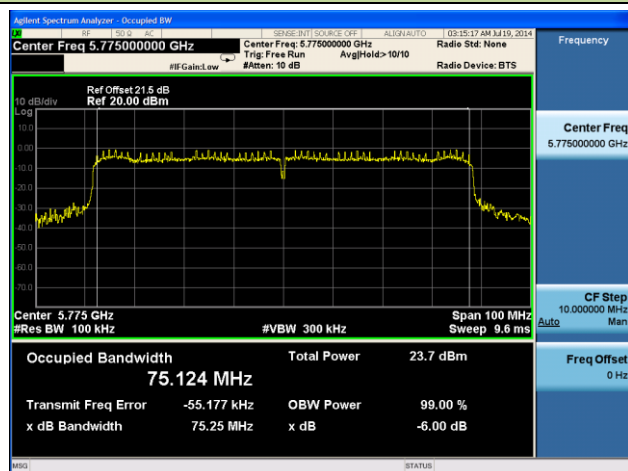


#### Channel 159 (5795MHz)



### 802.11ac-VHT80 6dB Bandwidth - Ant 2 / Ant 0 + 1 + 2 + 3

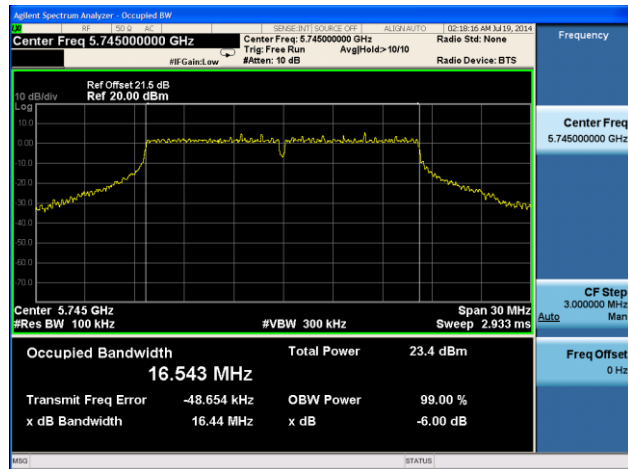
#### Channel 155 (5775MHz)



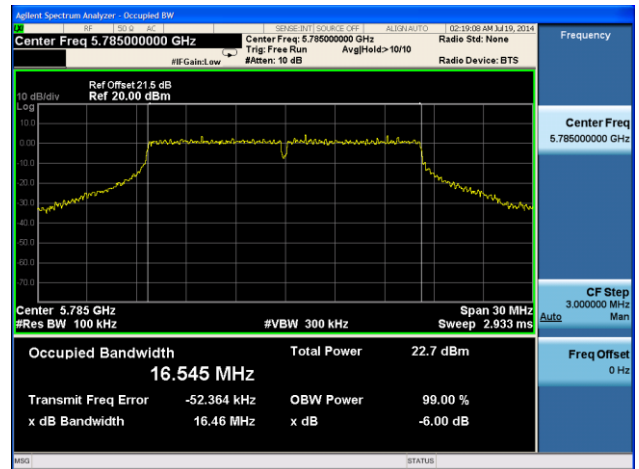


### 802.11a 6dB Bandwidth - Ant 3 / Ant 0 + 1 + 2 + 3

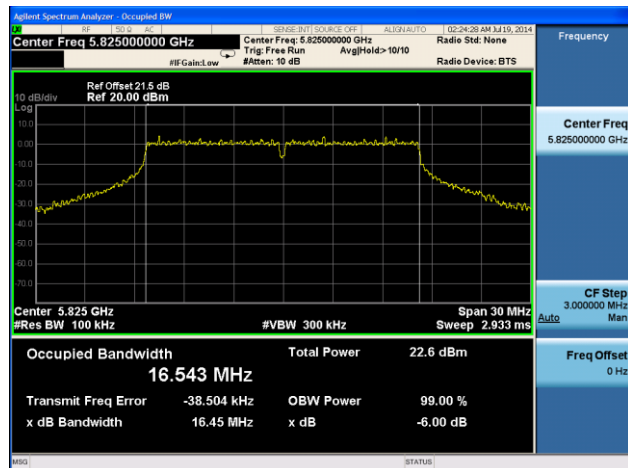
#### Channel 149 (5745MHz)



#### Channel 157 (5785MHz)

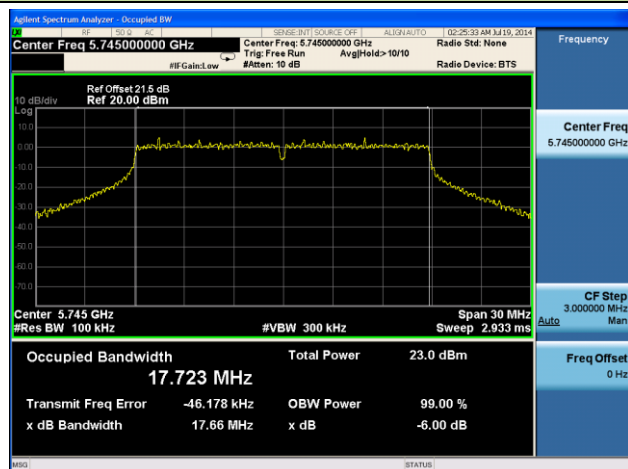


#### Channel 165 (5825MHz)

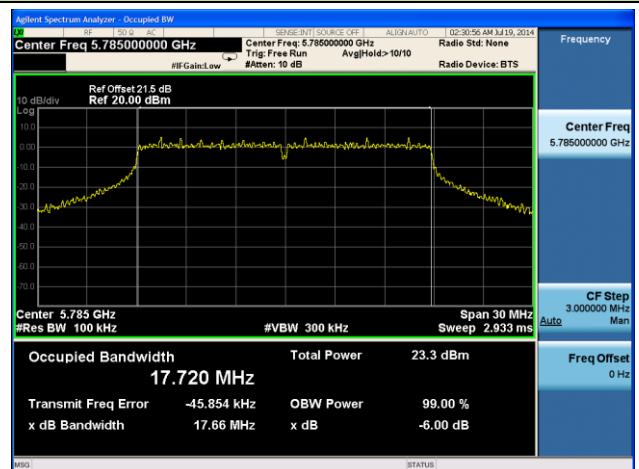


### 802.11n-HT20 6dB Bandwidth - Ant 3 / Ant 0 + 1 + 2 + 3

#### Channel 149 (5745MHz)

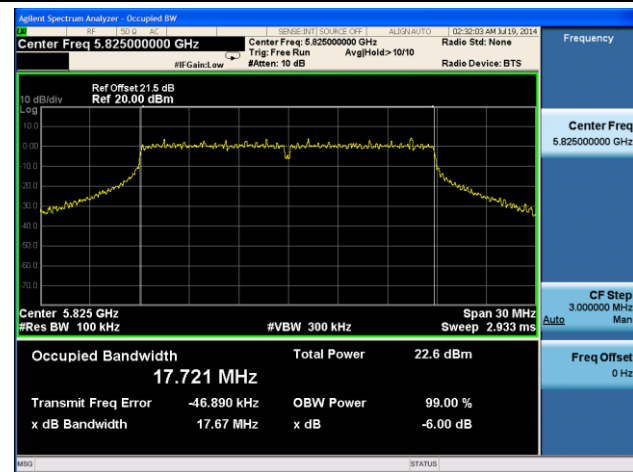


#### Channel 157 (5785MHz)



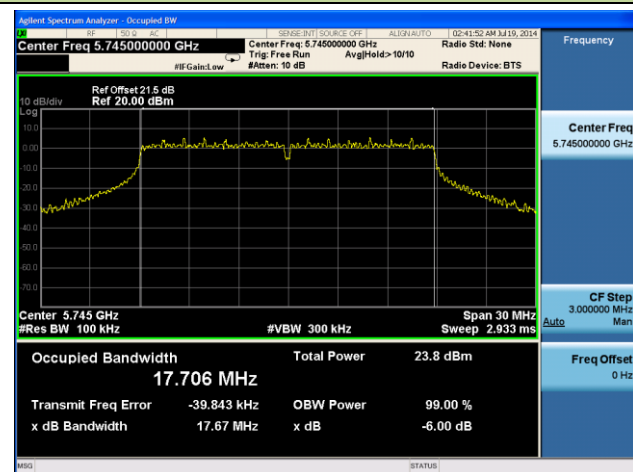


### Channel 165 (5825MHz)

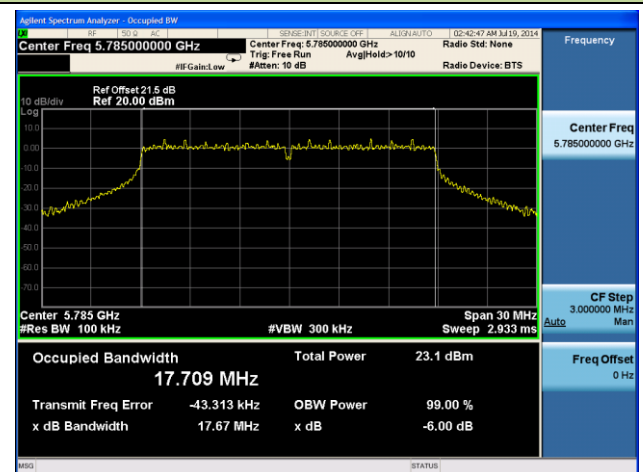


### 802.11ac-VHT20 6dB Bandwidth - Ant 3 / Ant 0 + 1 + 2 + 3

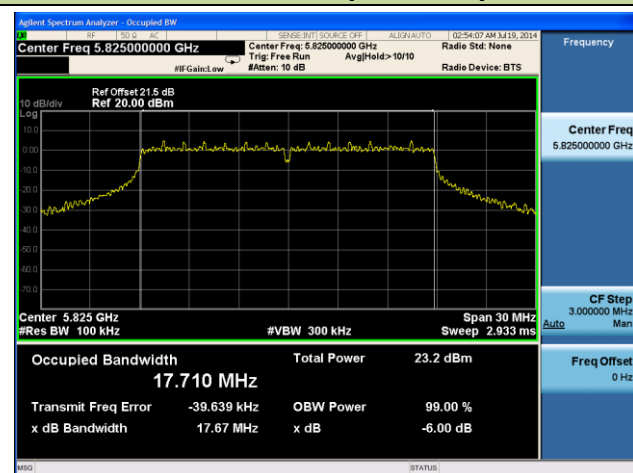
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

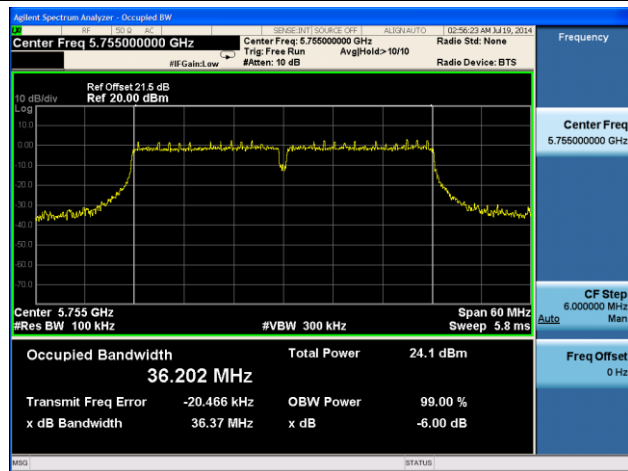


### Channel 165 (5825MHz)

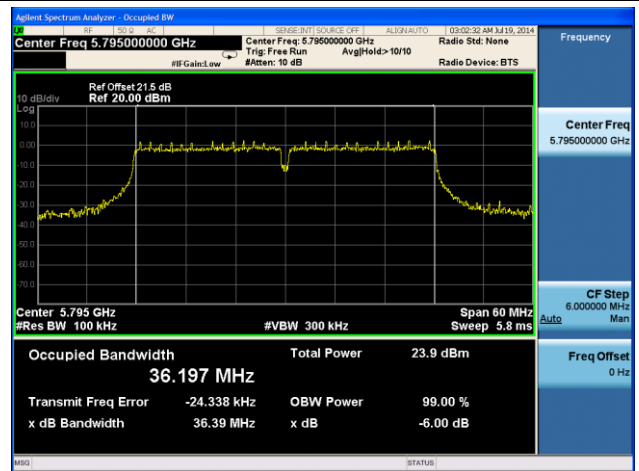


### 802.11n-HT40 6dB Bandwidth - Ant 3 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

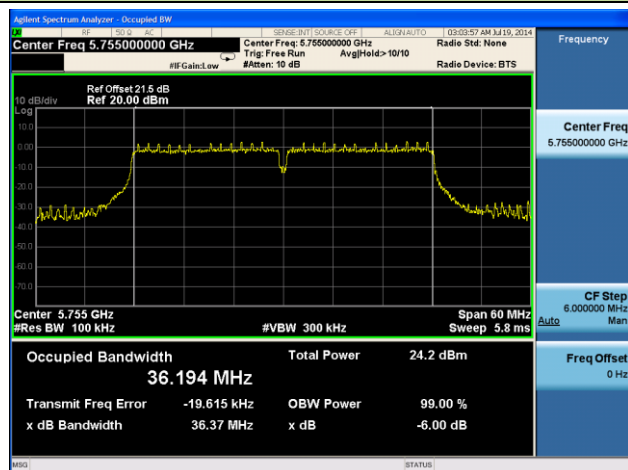


#### Channel 159 (5795MHz)

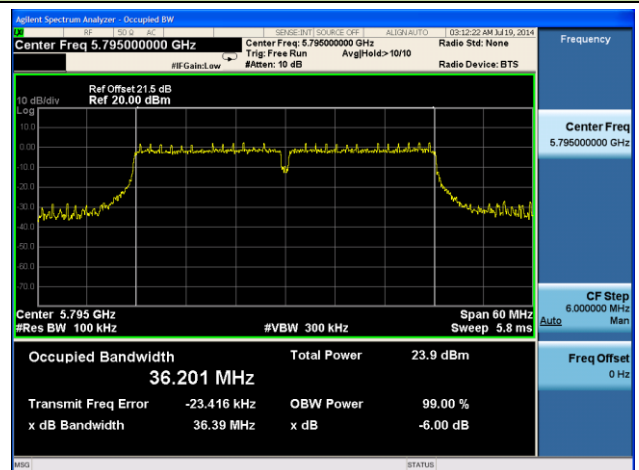


### 802.11ac-VHT40 6dB Bandwidth - Ant 3 / Ant 0 + 1 + 2 + 3

#### Channel 151 (5755MHz)

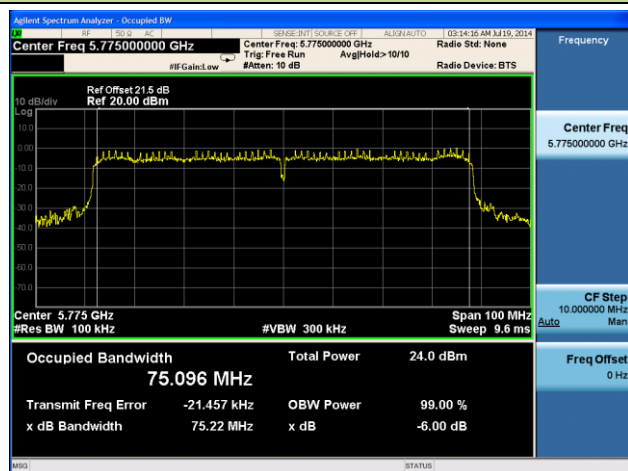


#### Channel 159 (5795MHz)



### 802.11ac-VHT80 6dB Bandwidth - Ant 3 / Ant 0 + 1 + 2 + 3

#### Channel 155 (5775MHz)



### 7.3. Output Power Measurement §15.247(b)(3); RSS-210 [A8.4]

#### 7.3.1. Test Limit

##### For FCC

The maximum out power shall be less 1 Watt (30dBm).

##### Limit for Non-Beam Forming

Output power Limit 2412 ~ 2462MHz: Limit (dBm) = 30dBm

Output power Limit 5745 ~ 5825MHz: Limit (dBm) = 30dBm

##### Limit for Beam Forming

Output power Limit 5745 ~ 5825MHz: Limit (dBm) = 30dBm - (8.7dBi - 6dBi) = 27.3dBm

##### For IC

The maximum peak conducted output power shall be exceed 1 Watt (30dBm) and the E.I.R.P shall not exceed 4 Watt (36dBm).

#### 7.3.2. Test Procedure Used

KDB 558074 D01v03r01 - Section 9.1.3 PKPM1 Peak Power Method (for signals with BW ≤ 50MHz)

KDB 558074 D01v03r01 - Section 9.1.2 PKPM1 Peak Power Method (for signals with BW > 50MHz)

#### 7.3.3. Test Setting

##### **Method PKPM1 (Peak Power Measurement of Signals with DTS BW ≤ 50MHz)**

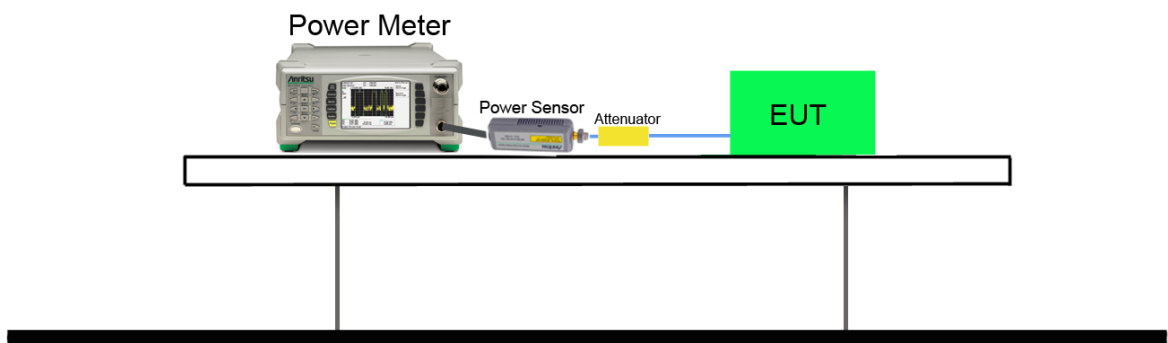
Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The pulse sensor employs a VBW = 50MHz so this method was only used for signals whose DTS bandwidth was less than or equal to 50MHz.

##### **Method PKPM1 (Peak Power Measurement of Signals with DTS BW > 50MHz)**

- 1) Set the RBW = 1MHz.
- 2) Set the VBW ≥ 3RBW
- 3) Set the span ≥ 1.5 x DTS bandwidth.

- 4) Detector = peak.
- 5) Sweep time = auto couple.
- 6) Trace mode = max hold.
- 7) Allow trace to fully stabilize.
- 8) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select peak detector).

#### 7.3.4. Test Setup



### 7.3.5. Test Result of Output Power

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

| MCS Index<br>for 802.11n | N <sub>TX</sub> | Data Rate (Mbps) |         |                 |          |                 |          |
|--------------------------|-----------------|------------------|---------|-----------------|----------|-----------------|----------|
|                          |                 | 802.11b          | 802.11g | 20MHz Bandwidth |          | 40MHz Bandwidth |          |
|                          |                 |                  |         | 800ns GI        | 400ns GI | 800ns GI        | 400ns GI |
| 0                        | 1               | 1                | 6       | 6.5             | 7.2      | 13.5            | 15.0     |
| 1                        | 1               | 2                | 9       | 13.0            | 14.4     | 27.0            | 30.0     |
| 2                        | 1               | 5.5              | 12      | 19.5            | 21.7     | 40.5            | 45.0     |
| 3                        | 1               | 11               | 18      | 26.0            | 28.9     | 54.0            | 60.0     |
| 4                        | 1               | --               | 24      | 39.0            | 43.3     | 81.0            | 90.0     |
| 5                        | 1               | --               | 36      | 52.0            | 57.8     | 108.0           | 120.0    |
| 6                        | 1               | --               | 48      | 58.5            | 65.0     | 121.5           | 135.0    |
| 7                        | 1               | --               | 54      | 65.0            | 72.2     | 135.0           | 150.0    |
| 8                        | 2               | --               | --      | 13.0            | 14.4     | 27.0            | 30.0     |
| 9                        | 2               | --               | --      | 26.0            | 28.9     | 54.0            | 60.0     |
| 10                       | 2               | --               | --      | 39.0            | 43.3     | 81.0            | 90.0     |
| 11                       | 2               | --               | --      | 52.0            | 57.8     | 108.0           | 120.0    |
| 12                       | 2               | --               | --      | 78.0            | 86.7     | 162.0           | 180.0    |
| 13                       | 2               | --               | --      | 104.0           | 115.6    | 216.0           | 240.0    |
| 14                       | 2               | --               | --      | 117.0           | 130.0    | 243.0           | 270.0    |
| 15                       | 2               | --               | --      | 130.0           | 144.0    | 270.0           | 300.0    |

| MCS Index<br>for 802.11n | N <sub>TX</sub> | Data Rate (Mbps) |                 |          |                 |          |
|--------------------------|-----------------|------------------|-----------------|----------|-----------------|----------|
|                          |                 | 802.11a          | 20MHz Bandwidth |          | 40MHz Bandwidth |          |
|                          |                 |                  | 800ns GI        | 400ns GI | 800ns GI        | 400ns GI |
| 24                       | 4               | 6                | 26.0            | 28.8     | 54.0            | 60.0     |
| 25                       | 4               | 9                | 52.0            | 57.6     | 108.0           | 120.0    |
| 26                       | 4               | 12               | 78.0            | 86.8     | 162.0           | 180.0    |
| 27                       | 4               | 18               | 104.0           | 115.6    | 216.0           | 240.0    |
| 28                       | 4               | 24               | 156.0           | 173.2    | 324.0           | 360.0    |
| 29                       | 4               | 36               | 208.0           | 231.2    | 342.0           | 480.0    |
| 30                       | 4               | 48               | 234.0           | 260.0    | 486.0           | 540.0    |
| 31                       | 4               | 54               | 260.0           | 288.8    | 540.0           | 600.0    |

| MCS Index<br>for 802.11ac | N <sub>ss</sub> | Data Rate (Mbps) |          |                 |          |                 |          |
|---------------------------|-----------------|------------------|----------|-----------------|----------|-----------------|----------|
|                           |                 | 20MHz Bandwidth  |          | 40MHz Bandwidth |          | 80MHz Bandwidth |          |
|                           |                 | 800ns GI         | 400ns GI | 800ns GI        | 400ns GI | 800ns GI        | 400ns GI |
| 0                         | 1               | 6.5              | 7.2      | 13.5            | 15.0     | 29.3            | 32.5     |
| 1                         | 1               | 13.0             | 14.4     | 27.0            | 30.0     | 58.5            | 65.0     |
| 2                         | 1               | 19.5             | 21.7     | 40.5            | 45.0     | 87.8            | 97.5     |
| 3                         | 1               | 26.0             | 28.9     | 54.0            | 60.0     | 117.0           | 130.0    |
| 4                         | 1               | 39.0             | 43.3     | 81.0            | 90.0     | 175.5           | 195.0    |
| 5                         | 1               | 52.0             | 57.8     | 108.0           | 120.0    | 234.0           | 260.0    |
| 6                         | 1               | 58.5             | 65.0     | 121.5           | 135.0    | 263.0           | 292.5    |
| 7                         | 1               | 65.0             | 72.2     | 135.0           | 150.0    | 292.5           | 325.0    |
| 8                         | 1               | 78.0             | 86.7     | 162.0           | 180.0    | 351.0           | 390.0    |
| 9                         | 1               | --               | --       | 180.0           | 200.0    | 390.0           | 433.3    |
| 0                         | 4               | 26.0             | 28.9     | 54.0            | 60.0     | 117.0           | 130.0    |
| 1                         | 4               | 52.0             | 57.8     | 108.0           | 120.0    | 234.0           | 260.0    |
| 2                         | 4               | 78.0             | 86.7     | 162.0           | 180.0    | 351.0           | 390.0    |
| 3                         | 4               | 104.0            | 115.6    | 216.0           | 240.0    | 468.0           | 520.0    |
| 4                         | 4               | 156.0            | 173.3    | 324.0           | 360.0    | 702.0           | 780.0    |
| 5                         | 4               | 208.0            | 231.1    | 432.0           | 480.0    | 936.0           | 1040.0   |
| 6                         | 4               | 234.0            | 260.0    | 486.0           | 540.0    | 1053.0          | 1170.0   |
| 7                         | 4               | 260.0            | 288.9    | 540.0           | 600.0    | 1170.0          | 1300.0   |
| 8                         | 4               | 312.0            | 246.7    | 648.0           | 720.0    | 1404.0          | 1560.0   |
| 9                         | 4               | --               | --       | 720.0           | 800.0    | 1560.0          | 1733.3   |

**Output power at various data rates for Ant0:**

| Test Mode | Bandwidth (MHz) | Channel No. | Frequency (MHz) | Data Rate (Mbps) | Peak Power (dBm) |
|-----------|-----------------|-------------|-----------------|------------------|------------------|
| 802.11b   | 20              | 6           | 2437            | 1                | 23.97            |
|           |                 |             |                 | 5.5              | 23.14            |
|           |                 |             |                 | 11               | 22.73            |
| 802.11g   | 20              | 6           | 2437            | 6                | 29.23            |
|           |                 |             |                 | 36               | 28.65            |
|           |                 |             |                 | 54               | 27.78            |
| 802.11n   | 20              | 6           | 2437            | 6.5              | 27.71            |
|           |                 |             |                 | 65               | 27.15            |
|           |                 |             |                 | 130              | 26.87            |
| 802.11n   | 40              | 6           | 2437            | 13.5             | 26.93            |
|           |                 |             |                 | 135              | 26.25            |
|           |                 |             |                 | 270              | 25.53            |
| 802.11a   | 20              | 157         | 5785            | 6                | 23.56            |
|           |                 |             |                 | 36               | 23.15            |
|           |                 |             |                 | 54               | 22.96            |
| 802.11n   | 20              | 157         | 5785            | 6.5              | 23.13            |
|           |                 |             |                 | 130              | 22.98            |
|           |                 |             |                 | 260              | 22.34            |
| 802.11ac  | 20              | 157         | 5785            | 6.5              | 23.59            |
|           |                 |             |                 | 78               | 23.16            |
|           |                 |             |                 | 312              | 22.73            |
| 802.11n   | 40              | 151         | 5755            | 13.5             | 23.89            |
|           |                 |             |                 | 270              | 22.97            |
|           |                 |             |                 | 540              | 22.61            |
| 802.11ac  | 40              | 151         | 5755            | 13.5             | 24.07            |
|           |                 |             |                 | 162              | 23.38            |
|           |                 |             |                 | 720              | 22.83            |
| 802.11ac  | 80              | 155         | 5775            | 29.3             | 23.56            |
|           |                 |             |                 | 390              | 23.05            |
|           |                 |             |                 | 1560             | 22.61            |



### Test Result of Peak Output Power

| Test Mode | Data Rate (Mbps) | Channel No. | Freq. (MHz) | Ant 0 Peak Power (dBm) | Ant 1 Peak Power (dBm) | Total Peak Power (dBm) | Peak Power Limit (dBm) | Max EIRP (dBm) | EIRP Limit (dBm) | Result |
|-----------|------------------|-------------|-------------|------------------------|------------------------|------------------------|------------------------|----------------|------------------|--------|
| Ant 0     |                  |             |             |                        |                        |                        |                        |                |                  |        |
| 11b       | 1                | 1           | 2412        | 24.18                  | --                     | 24.18                  | ≤30                    | 26.08          | ≤ 36             | Pass   |
| 11b       | 1                | 6           | 2437        | 23.97                  | --                     | 23.97                  | ≤30                    | 25.87          | ≤ 36             | Pass   |
| 11b       | 1                | 11          | 2462        | 23.76                  | --                     | 23.76                  | ≤30                    | 25.66          | ≤ 36             | Pass   |
| 11g       | 6                | 1           | 2412        | 27.86                  | --                     | 27.86                  | ≤30                    | 29.76          | ≤ 36             | Pass   |
| 11g       | 6                | 6           | 2437        | 29.23                  | --                     | 29.23                  | ≤30                    | 31.13          | ≤ 36             | Pass   |
| 11g       | 6                | 11          | 2462        | 28.21                  | --                     | 28.21                  | ≤30                    | 30.11          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 1           | 2412        | 26.67                  | --                     | 26.67                  | ≤30                    | 28.57          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 6           | 2437        | 29.71                  | --                     | 29.71                  | ≤30                    | 31.61          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 11          | 2462        | 26.27                  | --                     | 26.27                  | ≤30                    | 28.17          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 3           | 2422        | 22.95                  | --                     | 22.95                  | ≤30                    | 24.85          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 6           | 2437        | 28.93                  | --                     | 28.93                  | ≤30                    | 30.83          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 9           | 2452        | 23.92                  | --                     | 23.92                  | ≤30                    | 25.82          | ≤ 36             | Pass   |
| Ant 1     |                  |             |             |                        |                        |                        |                        |                |                  |        |
| 11n-HT20  | 6.5              | 1           | 2412        | --                     | 26.35                  | 26.35                  | ≤30                    | 28.25          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 6           | 2437        | --                     | 28.98                  | 28.98                  | ≤30                    | 30.88          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 11          | 2462        | --                     | 25.35                  | 25.35                  | ≤30                    | 27.25          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 3           | 2422        | --                     | 22.94                  | 22.94                  | ≤30                    | 24.84          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 6           | 2437        | --                     | 28.52                  | 28.52                  | ≤30                    | 30.42          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 9           | 2452        | --                     | 23.37                  | 23.37                  | ≤30                    | 25.27          | ≤ 36             | Pass   |
| Ant 0 + 1 |                  |             |             |                        |                        |                        |                        |                |                  |        |
| 11n-HT20  | 6.5              | 1           | 2412        | 26.36                  | 26.23                  | 29.31                  | ≤30                    | 31.21          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 6           | 2437        | 27.21                  | 26.22                  | 29.75                  | ≤30                    | 31.65          | ≤ 36             | Pass   |
| 11n-HT20  | 6.5              | 11          | 2462        | 26.92                  | 25.92                  | 29.46                  | ≤30                    | 31.36          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 3           | 2422        | 23.24                  | 24.21                  | 26.76                  | ≤30                    | 28.66          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 6           | 2437        | 26.44                  | 26.97                  | 29.72                  | ≤30                    | 31.62          | ≤ 36             | Pass   |
| 11n-HT40  | 13.5             | 9           | 2452        | 24.13                  | 24.84                  | 27.51                  | ≤30                    | 29.41          | ≤ 36             | Pass   |

| Test Mode                           | Data Rate (Mbps) | Channel No. | Freq. (MHz) | Ant 0 Peak Power (dBm) | Ant 1 Peak Power (dBm) | Ant 2 Peak Power (dBm) | Ant 3 Peak Power (dBm) | Total Peak Power (dBm) | Peak Power Limit (dBm) | Max EIRP (dBm) | EIRP Limit (dBm) | Result |
|-------------------------------------|------------------|-------------|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------|------------------|--------|
| Ant 0 + 1 + 2 + 3, Non-Beam Forming |                  |             |             |                        |                        |                        |                        |                        |                        |                |                  |        |
| 11a                                 | 6                | 149         | 5745        | 23.32                  | 23.78                  | 22.15                  | 22.58                  | 29.02                  | ≤30                    | 31.72          | ≤ 36             | Pass   |
| 11a                                 | 6                | 157         | 5785        | 23.56                  | 24.62                  | 23.15                  | 23.41                  | 29.74                  | ≤30                    | 32.44          | ≤ 36             | Pass   |
| 11a                                 | 6                | 165         | 5825        | 23.76                  | 24.31                  | 22.75                  | 23.19                  | 29.56                  | ≤30                    | 32.26          | ≤ 36             | Pass   |
| 11n-HT20                            | 6.5              | 149         | 5745        | 23.67                  | 24.26                  | 23.07                  | 23.22                  | 29.60                  | ≤30                    | 32.30          | ≤ 36             | Pass   |
| 11n-HT20                            | 6.5              | 157         | 5785        | 23.13                  | 23.91                  | 22.65                  | 22.82                  | 29.18                  | ≤30                    | 31.88          | ≤ 36             | Pass   |
| 11n-HT20                            | 6.5              | 165         | 5825        | 22.69                  | 23.81                  | 22.02                  | 22.83                  | 28.91                  | ≤30                    | 31.61          | ≤ 36             | Pass   |
| 11ac-VHT20                          | 6.5              | 149         | 5745        | 23.68                  | 24.08                  | 22.84                  | 23.70                  | 29.62                  | ≤30                    | 32.32          | ≤ 36             | Pass   |
| 11ac-VHT20                          | 6.5              | 157         | 5785        | 23.59                  | 23.78                  | 22.52                  | 22.79                  | 29.22                  | ≤30                    | 31.92          | ≤ 36             | Pass   |
| 11ac-VHT20                          | 6.5              | 165         | 5825        | 22.98                  | 23.61                  | 22.34                  | 22.95                  | 29.01                  | ≤30                    | 31.71          | ≤ 36             | Pass   |
| 11n-HT40                            | 13.5             | 151         | 5755        | 23.89                  | 24.69                  | 22.76                  | 23.27                  | 29.73                  | ≤30                    | 32.43          | ≤ 36             | Pass   |
| 11n-HT40                            | 13.5             | 159         | 5795        | 23.75                  | 24.22                  | 22.41                  | 22.81                  | 29.38                  | ≤30                    | 32.08          | ≤ 36             | Pass   |
| 11ac-VHT40                          | 13.5             | 151         | 5755        | 24.07                  | 24.44                  | 23.02                  | 23.22                  | 29.75                  | ≤30                    | 32.45          | ≤ 36             | Pass   |
| 11ac-VHT40                          | 13.5             | 159         | 5795        | 23.38                  | 24.29                  | 22.34                  | 22.96                  | 29.32                  | ≤30                    | 32.02          | ≤ 36             | Pass   |
| 11ac-VHT80                          | 29.3             | 155         | 5775        | 23.56                  | 24.65                  | 22.35                  | 23.14                  | 29.53                  | ≤30                    | 32.23          | ≤ 36             | Pass   |
| Ant 0 + 1 + 2 + 3, Beam Forming     |                  |             |             |                        |                        |                        |                        |                        |                        |                |                  |        |
| 11n-HT20                            | 6.5              | 149         | 5745        | 20.71                  | 21.03                  | 19.77                  | 19.33                  | 26.28                  | ≤27.3                  | 28.98          | ≤ 36             | Pass   |
| 11n-HT20                            | 6.5              | 157         | 5785        | 20.10                  | 20.70                  | 18.77                  | 19.55                  | 25.86                  | ≤27.3                  | 28.56          | ≤ 36             | Pass   |
| 11n-HT20                            | 6.5              | 165         | 5825        | 21.32                  | 21.47                  | 19.96                  | 20.49                  | 26.87                  | ≤27.3                  | 29.57          | ≤ 36             | Pass   |
| 11ac-VHT20                          | 6.5              | 149         | 5745        | 20.56                  | 20.91                  | 19.56                  | 19.96                  | 26.30                  | ≤27.3                  | 29.00          | ≤ 36             | Pass   |
| 11ac-VHT20                          | 6.5              | 157         | 5785        | 20.23                  | 20.75                  | 19.26                  | 20.06                  | 26.13                  | ≤27.3                  | 28.83          | ≤ 36             | Pass   |
| 11ac-VHT20                          | 6.5              | 165         | 5825        | 21.42                  | 21.68                  | 19.91                  | 20.80                  | 27.03                  | ≤27.3                  | 29.73          | ≤ 36             | Pass   |
| 11n-HT40                            | 13.5             | 151         | 5755        | 20.83                  | 20.68                  | 19.42                  | 19.54                  | 26.19                  | ≤27.3                  | 28.89          | ≤ 36             | Pass   |
| 11n-HT40                            | 13.5             | 159         | 5795        | 20.62                  | 20.68                  | 19.34                  | 19.91                  | 26.19                  | ≤27.3                  | 28.89          | ≤ 36             | Pass   |
| 11ac-VHT40                          | 13.5             | 151         | 5755        | 20.48                  | 20.57                  | 19.09                  | 19.39                  | 25.95                  | ≤27.3                  | 28.65          | ≤ 36             | Pass   |
| 11ac-VHT40                          | 13.5             | 159         | 5795        | 20.28                  | 20.62                  | 19.27                  | 19.85                  | 26.05                  | ≤27.3                  | 28.75          | ≤ 36             | Pass   |
| 11ac-VHT80                          | 29.3             | 155         | 5775        | 20.74                  | 20.76                  | 19.42                  | 19.50                  | 26.17                  | ≤27.3                  | 28.87          | ≤ 36             | Pass   |

**Test Result of Average Output Power (Reporting Only)**

| Test Mode | Data Rate<br>(Mbps) | Channel<br>No. | Freq.<br>(MHz) | Ant 0<br>Average<br>Power<br>(dBm) | Ant 1<br>Average<br>Power<br>(dBm) | Total<br>Average<br>Power<br>(dBm) | Limit<br>(dBm) | Result |
|-----------|---------------------|----------------|----------------|------------------------------------|------------------------------------|------------------------------------|----------------|--------|
| Ant 0     |                     |                |                |                                    |                                    |                                    |                |        |
| 11b       | 1                   | 1              | 2412           | 20.98                              | --                                 | 20.98                              | ≤30            | Pass   |
| 11b       | 1                   | 6              | 2437           | 20.65                              | --                                 | 20.65                              | ≤30            | Pass   |
| 11b       | 1                   | 11             | 2462           | 20.72                              | --                                 | 20.72                              | ≤30            | Pass   |
| 11g       | 6                   | 1              | 2412           | 18.98                              | --                                 | 18.98                              | ≤30            | Pass   |
| 11g       | 6                   | 6              | 2437           | 21.24                              | --                                 | 21.24                              | ≤30            | Pass   |
| 11g       | 6                   | 11             | 2462           | 19.22                              | --                                 | 19.22                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 1              | 2412           | 17.83                              | --                                 | 17.83                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 6              | 2437           | 20.65                              | --                                 | 20.65                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 11             | 2462           | 17.45                              | --                                 | 17.45                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 3              | 2422           | 13.84                              | --                                 | 13.84                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 6              | 2437           | 19.66                              | --                                 | 19.66                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 9              | 2452           | 14.54                              | --                                 | 14.54                              | ≤30            | Pass   |
| Ant 1     |                     |                |                |                                    |                                    |                                    |                |        |
| 11n-HT20  | 6.5                 | 1              | 2412           | --                                 | 17.30                              | 17.30                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 6              | 2437           | --                                 | 20.16                              | 20.16                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 11             | 2462           | --                                 | 16.41                              | 16.41                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 3              | 2422           | --                                 | 13.79                              | 13.79                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 6              | 2437           | --                                 | 19.16                              | 19.16                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 9              | 2452           | --                                 | 13.99                              | 13.99                              | ≤30            | Pass   |
| Ant 0 + 1 |                     |                |                |                                    |                                    |                                    |                |        |
| 11n-HT20  | 6.5                 | 1              | 2412           | 17.05                              | 16.38                              | 19.74                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 6              | 2437           | 17.53                              | 16.35                              | 19.99                              | ≤30            | Pass   |
| 11n-HT20  | 6.5                 | 11             | 2462           | 17.44                              | 16.03                              | 19.80                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 3              | 2422           | 13.48                              | 13.98                              | 16.75                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 6              | 2437           | 16.52                              | 16.86                              | 19.70                              | ≤30            | Pass   |
| 11n-HT40  | 13.5                | 9              | 2452           | 14.51                              | 14.55                              | 17.54                              | ≤30            | Pass   |