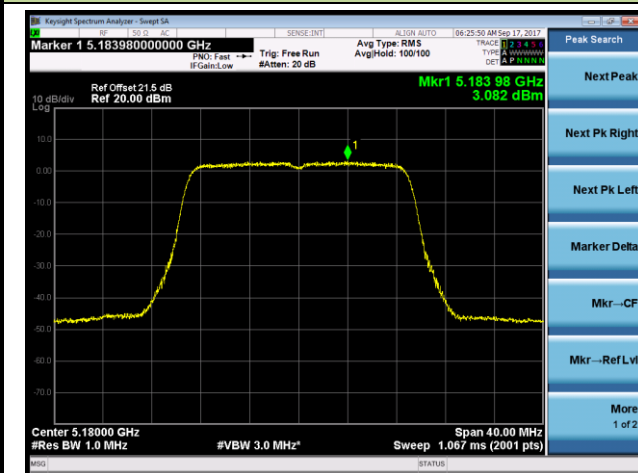
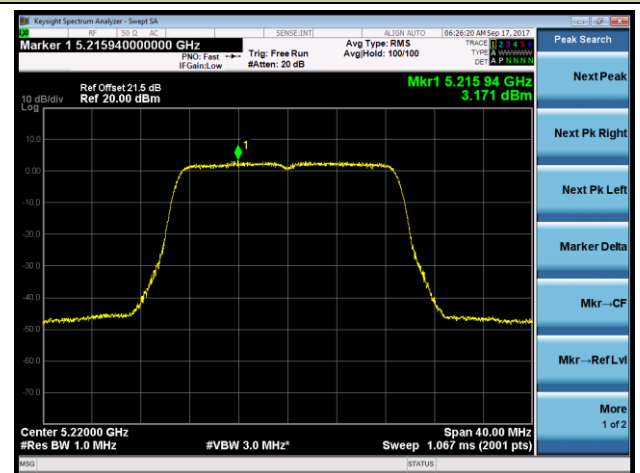


## 802.11n-HT20 Power Spectral Density- Ant 2 / Ant 1 + 2 (CDD Mode)

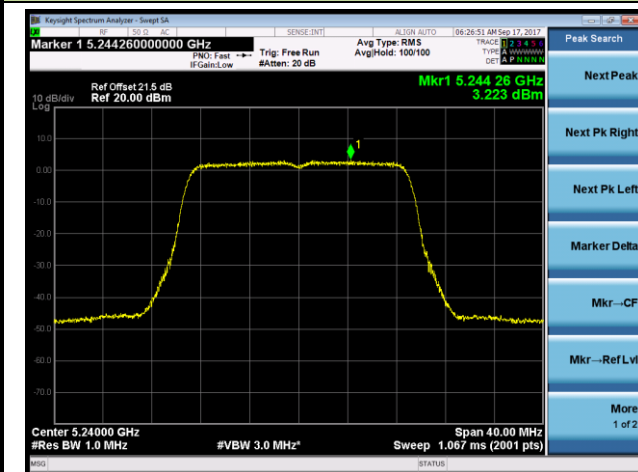
### Channel 36 (5180MHz)



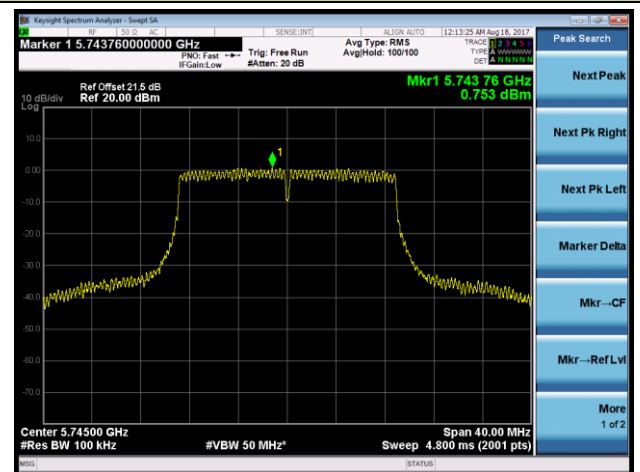
### Channel 44 (5220MHz)



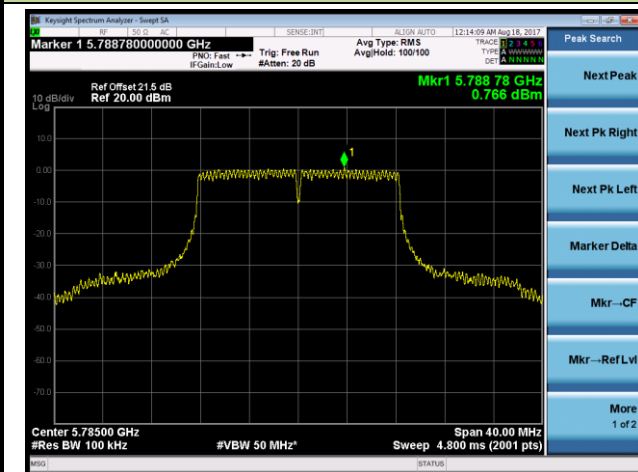
### Channel 48 (5240MHz)



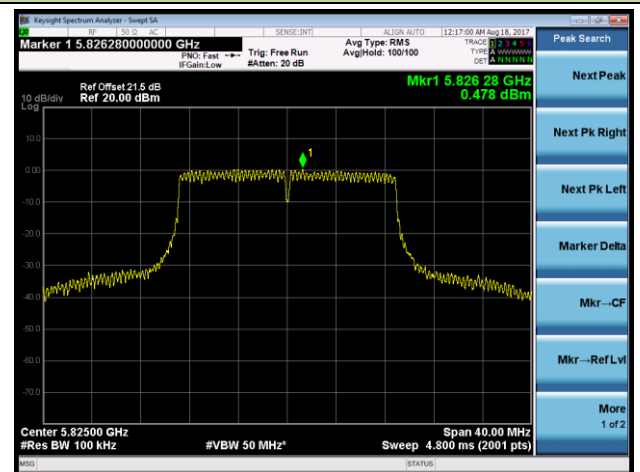
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

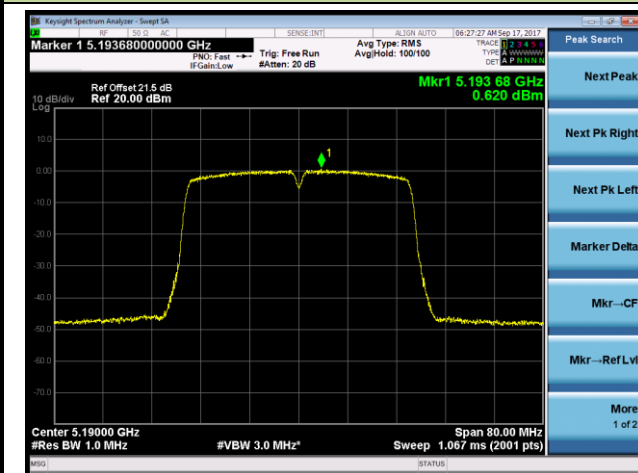


### Channel 165 (5825MHz)

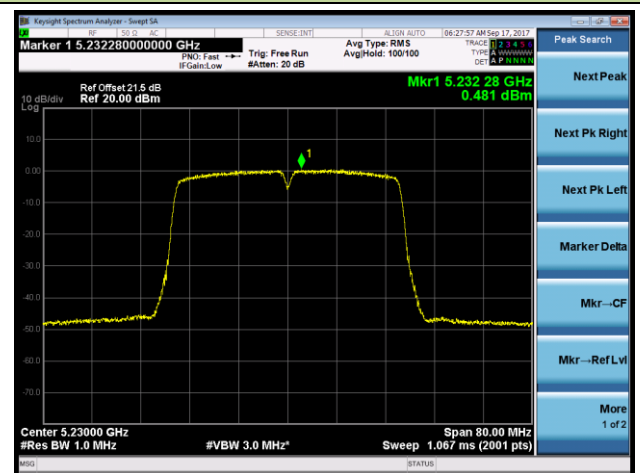


## 802.11n-HT40 Power Spectral Density- Ant 2 / Ant 1 + 2 (CDD Mode)

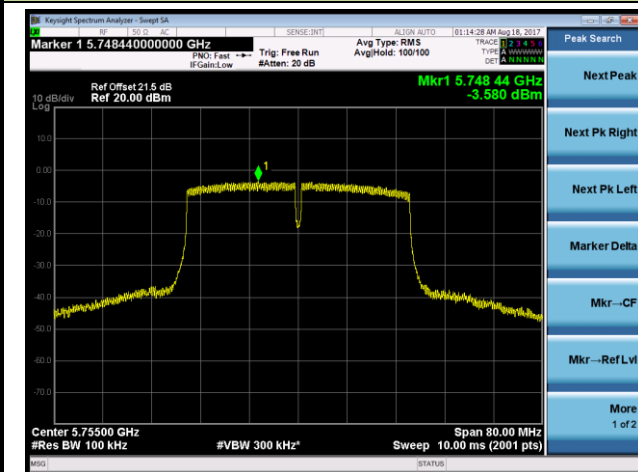
### Channel 38 (5190MHz)



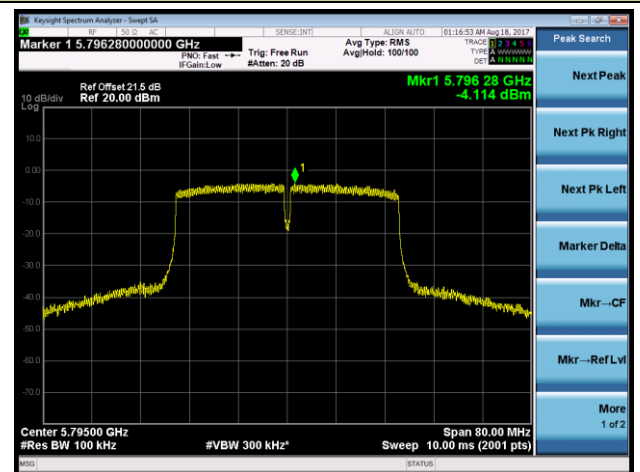
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)

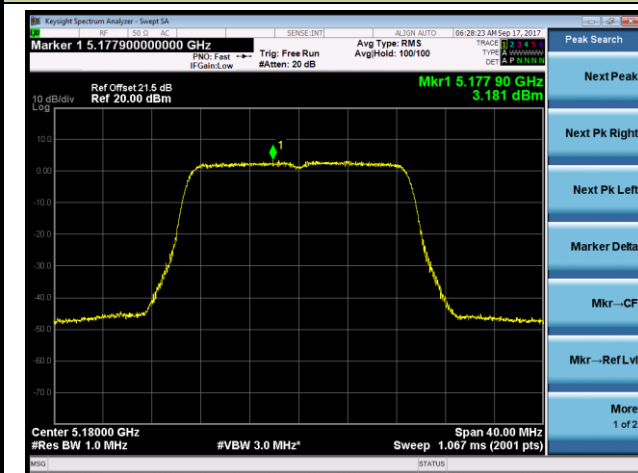


### Channel 159 (5795MHz)

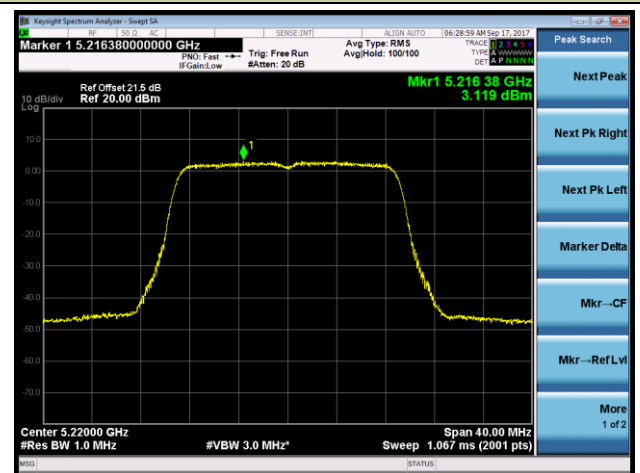


## 802.11ac-VHT20 Power Spectral Density- Ant 2 / Ant 1 + 2 (CDD Mode)

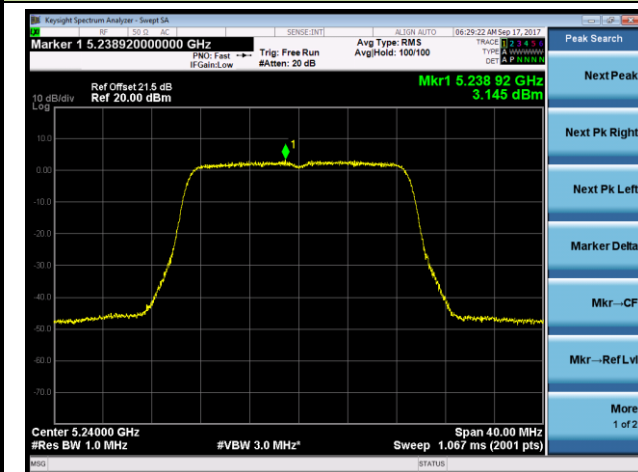
### Channel 36 (5180MHz)



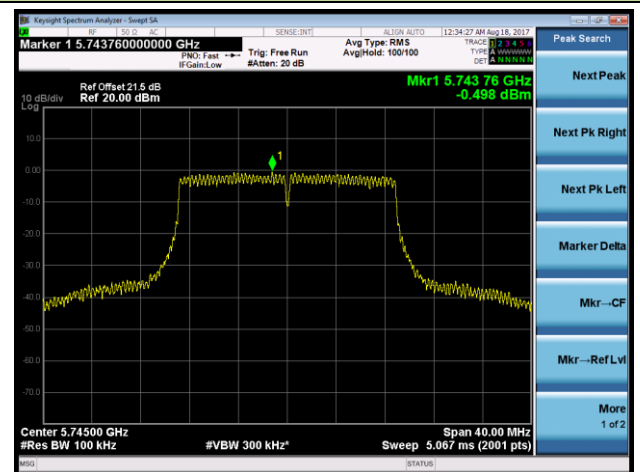
### Channel 44 (5220MHz)



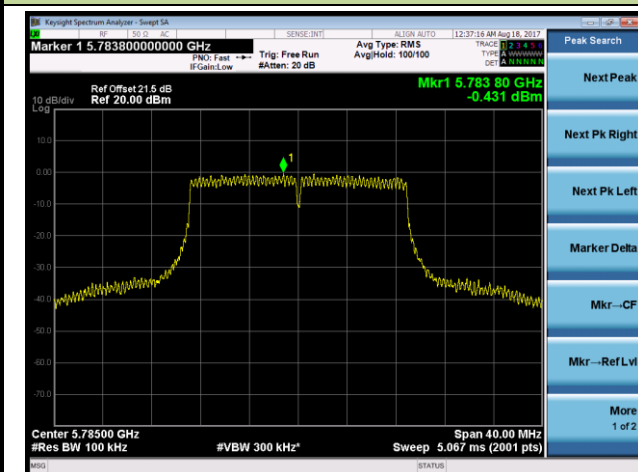
### Channel 48 (5240MHz)



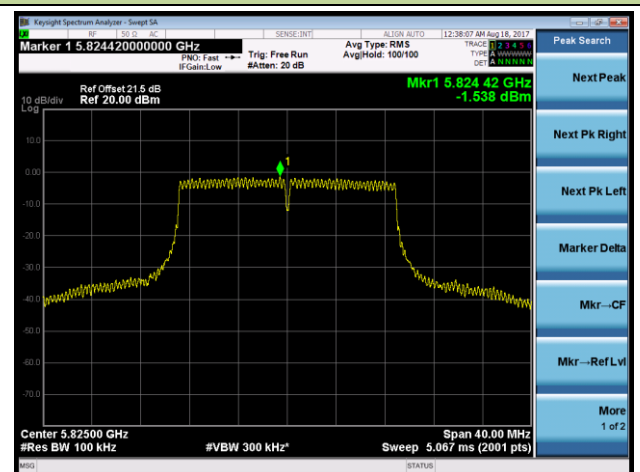
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

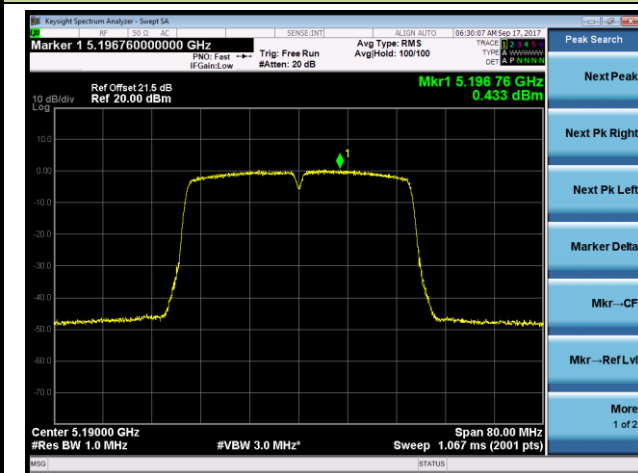


### Channel 165 (5825MHz)

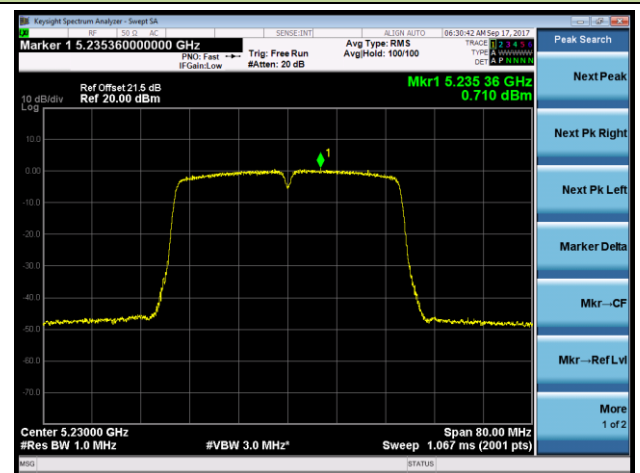


## 802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 1 + 2 (CDD Mode)

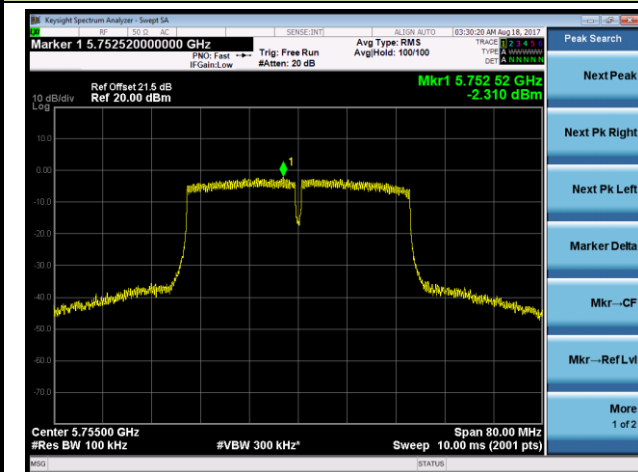
### Channel 38 (5190MHz)



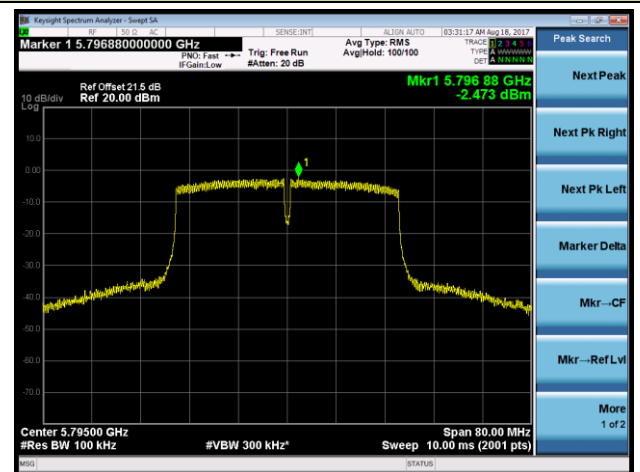
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)

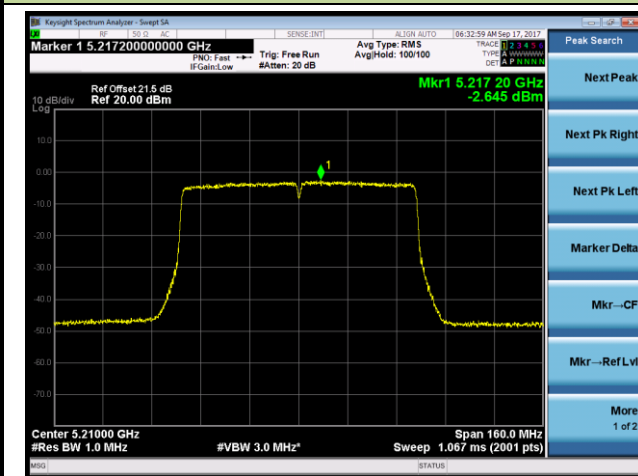


### Channel 159 (5795MHz)

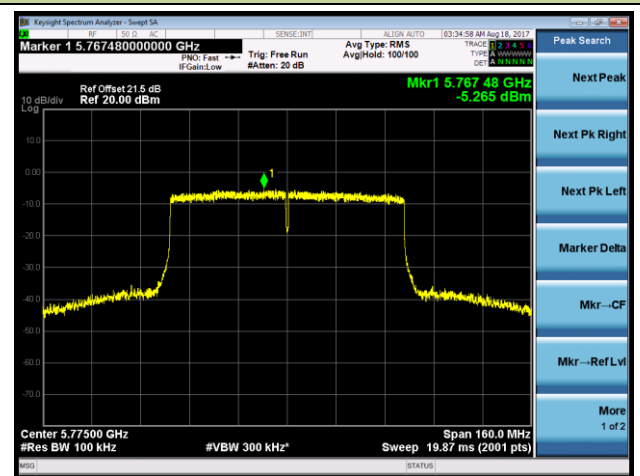


## 802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 1 + 2 (CDD Mode)

### Channel 42 (5210MHz)

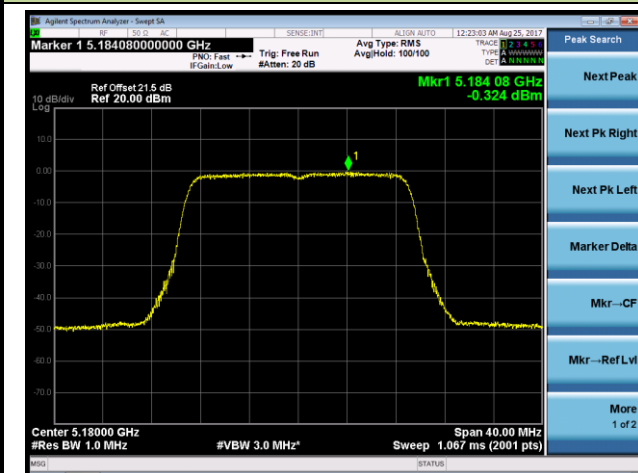


### Channel 155 (5775MHz)

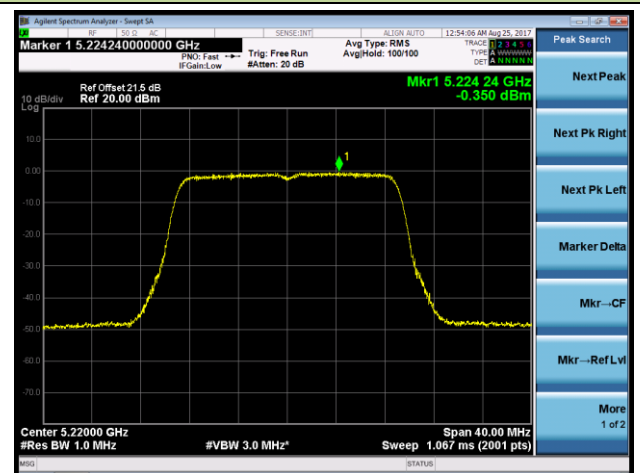


# 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)

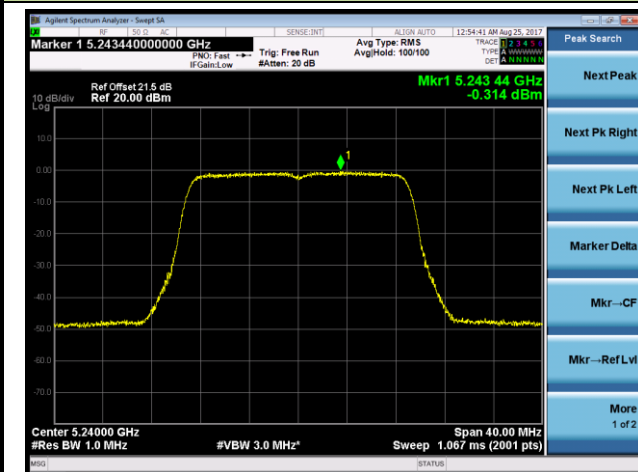
## Channel 36 (5180MHz)



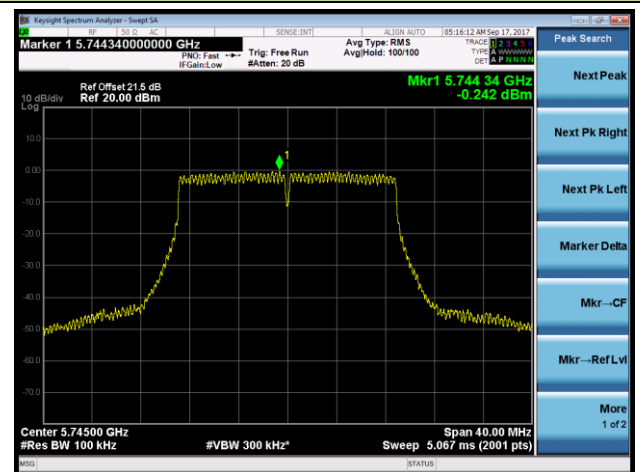
## Channel 44 (5220MHz)



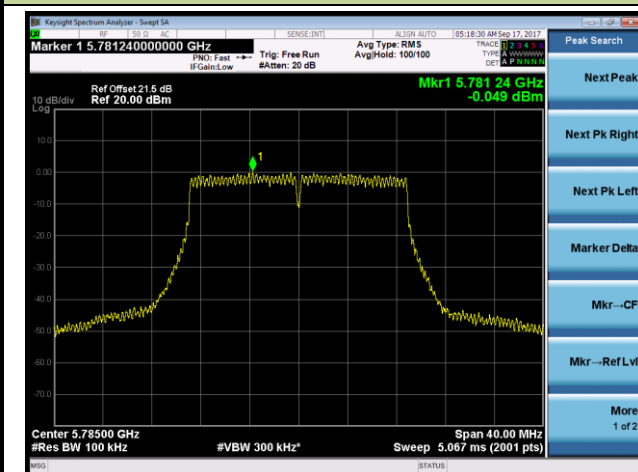
## Channel 48 (5240MHz)



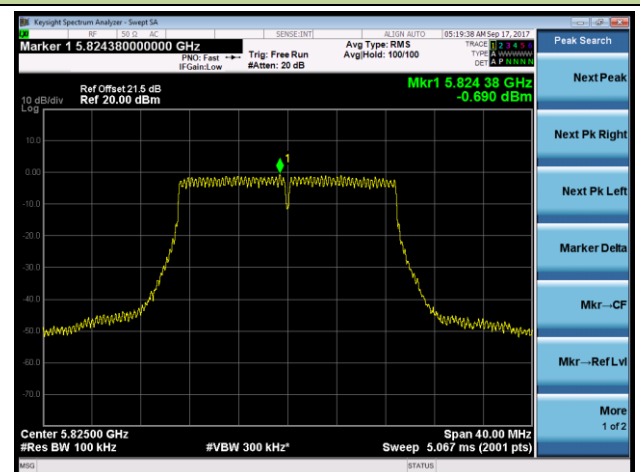
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

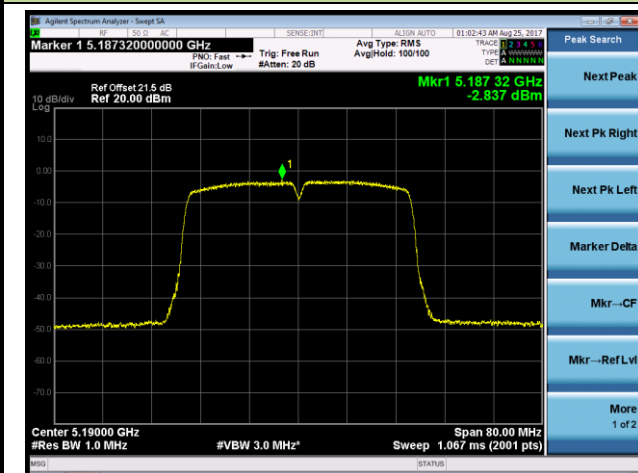


## Channel 165 (5825MHz)

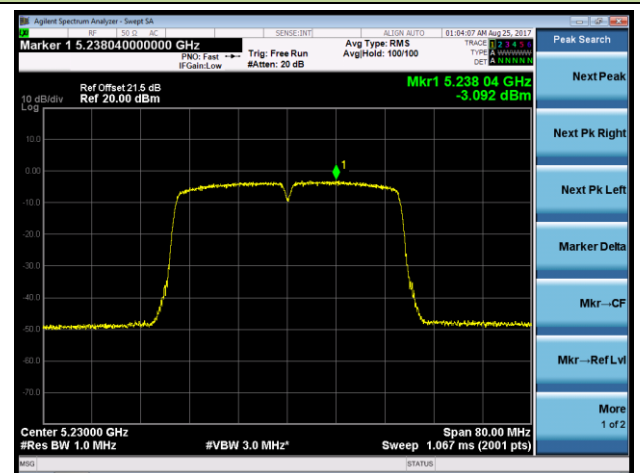


## 802.11n-HT40 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)

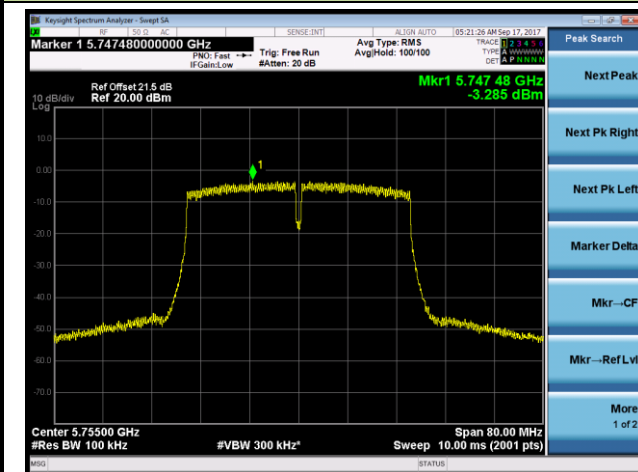
### Channel 38 (5190MHz)



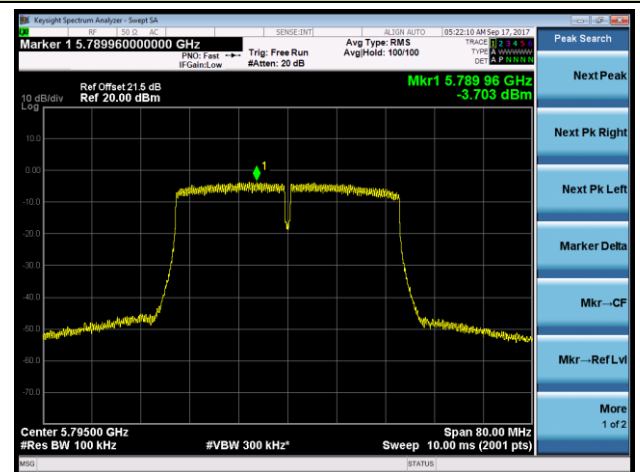
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)

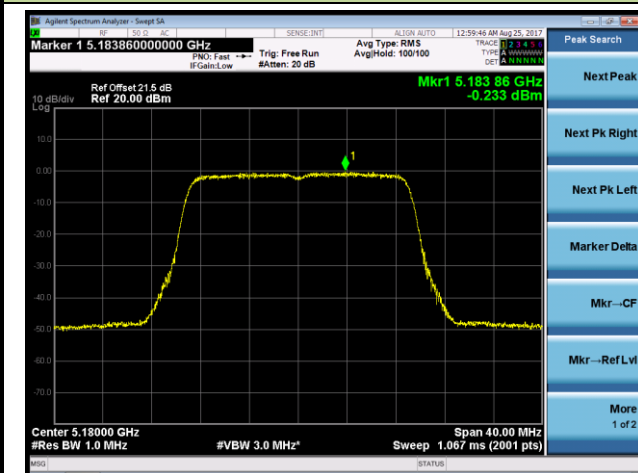


### Channel 159 (5795MHz)

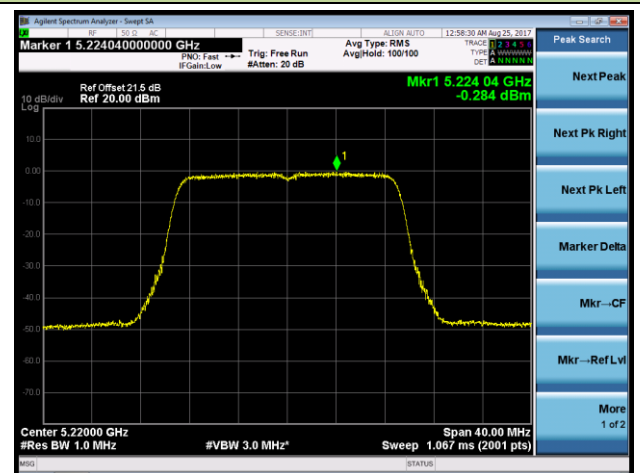


# 802.11ac-VHT20 Power Spectral Density- Ant 1 / Ant 1 + 2 (Beam-Forming Mode)

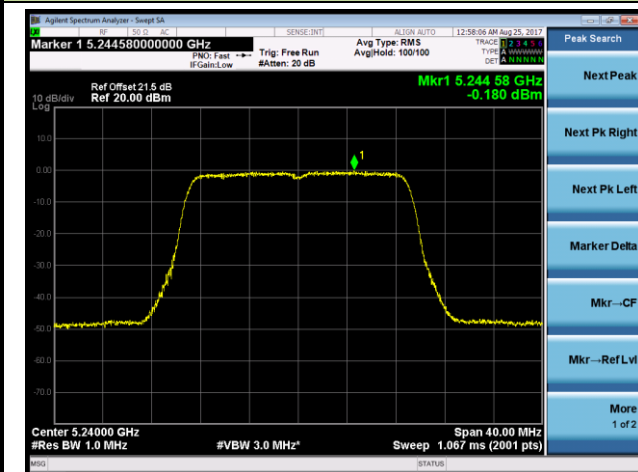
## Channel 36 (5180MHz)



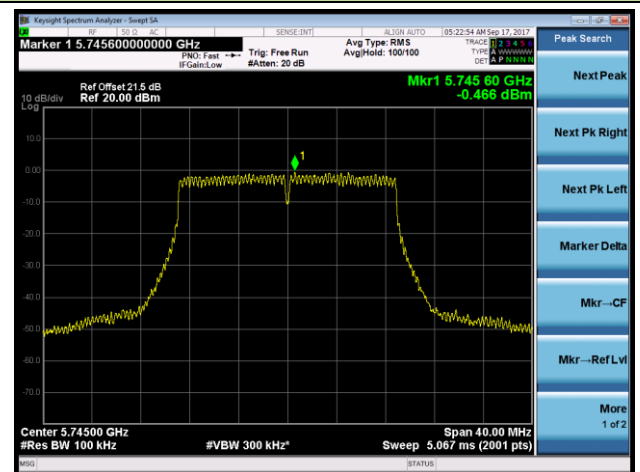
## Channel 44 (5220MHz)



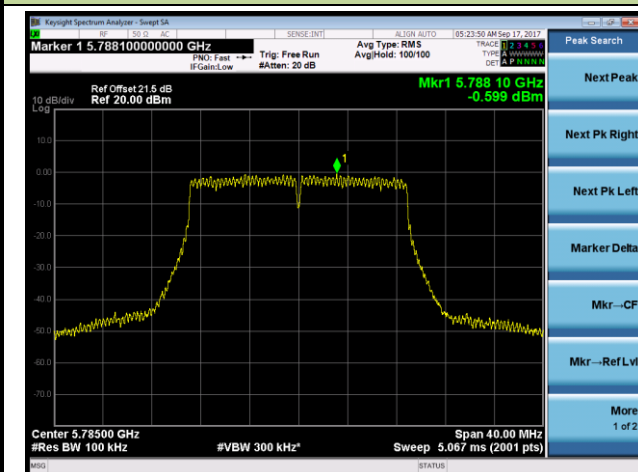
## Channel 48 (5240MHz)



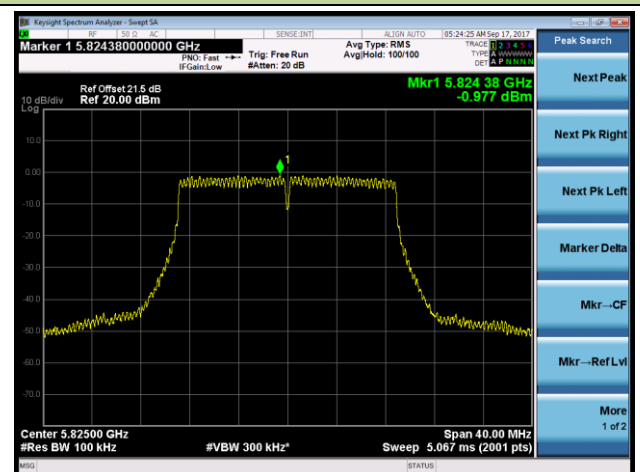
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

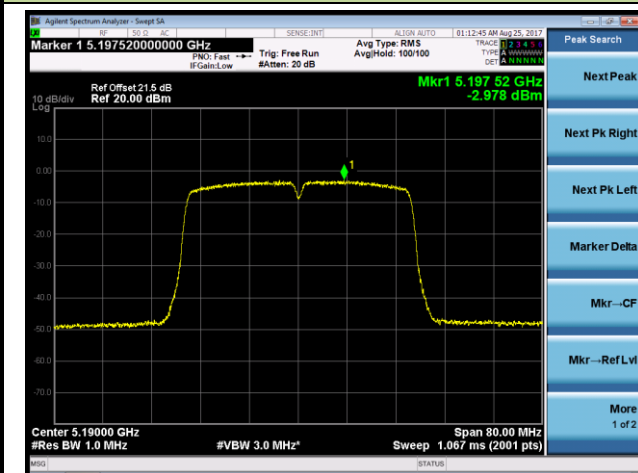


## Channel 165 (5825MHz)

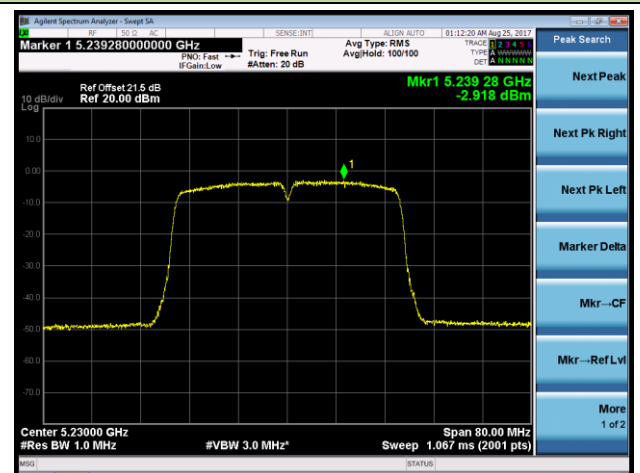


## 802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)

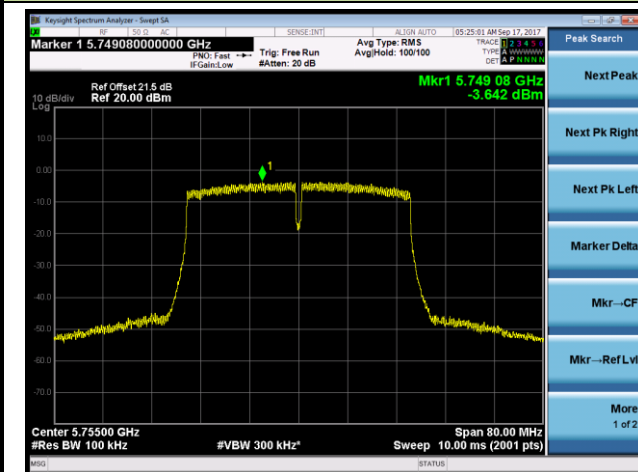
### Channel 38 (5190MHz)



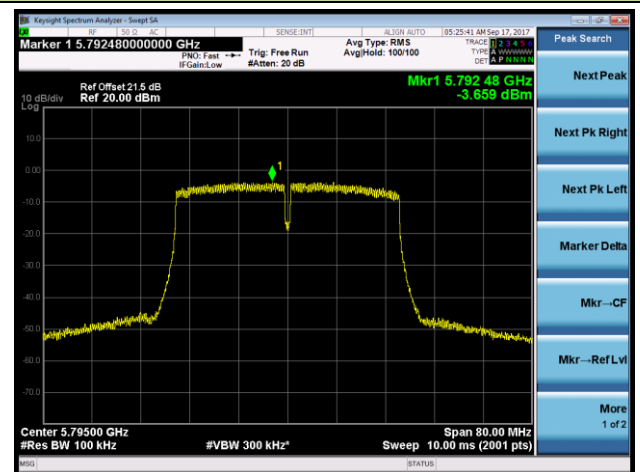
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)

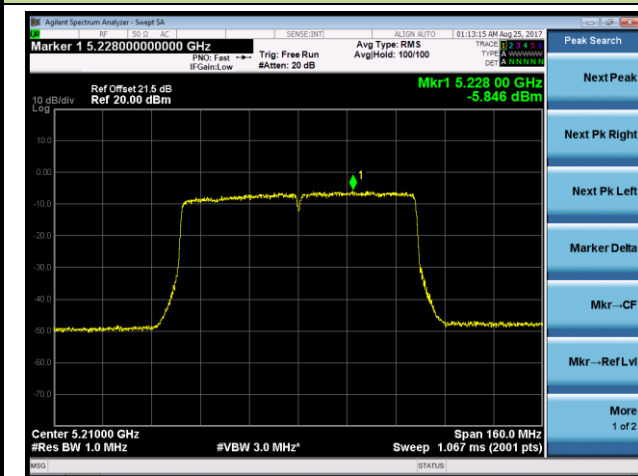


### Channel 159 (5795MHz)

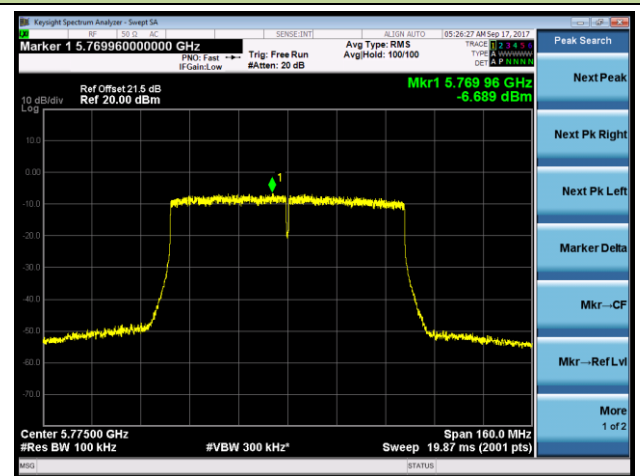


## 802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)

### Channel 42 (5210MHz)

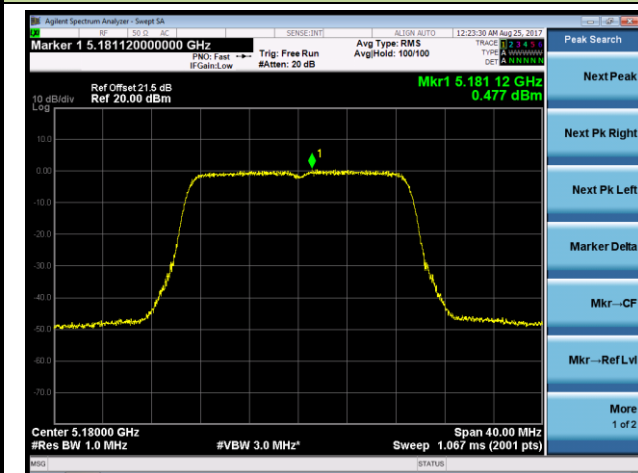


### Channel 155 (5775MHz)

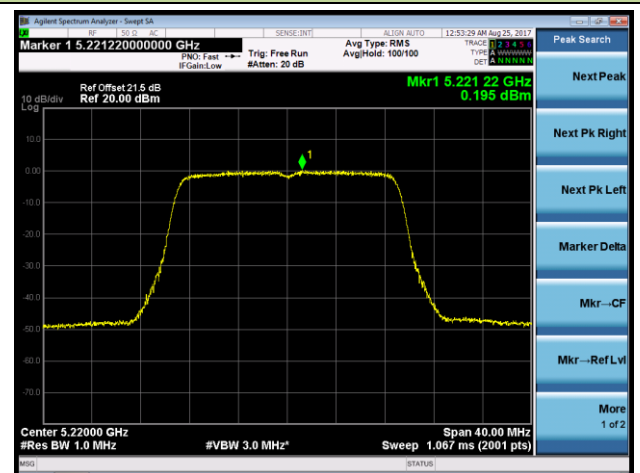


# 802.11n-HT20 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

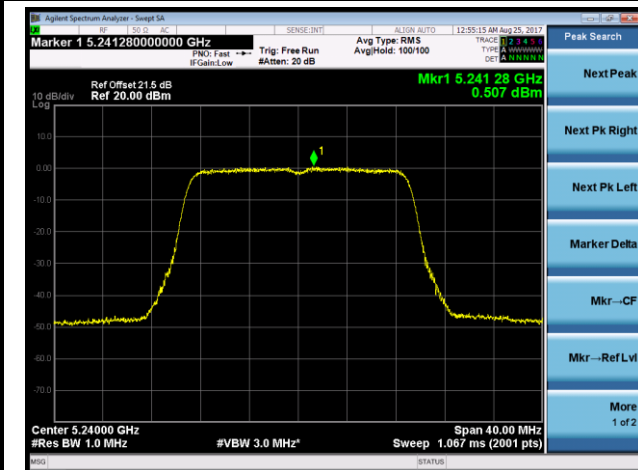
## Channel 36 (5180MHz)



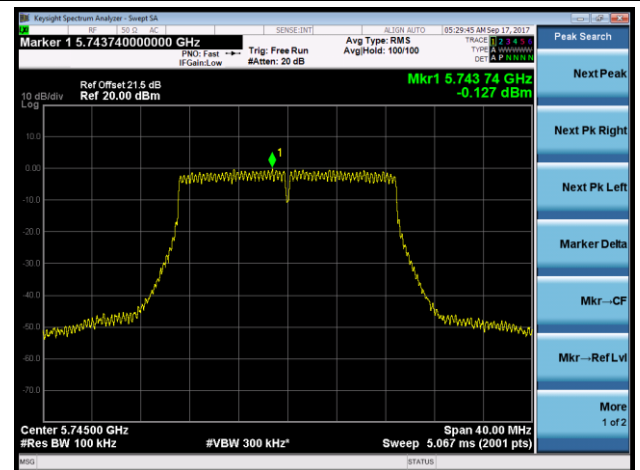
## Channel 44 (5220MHz)



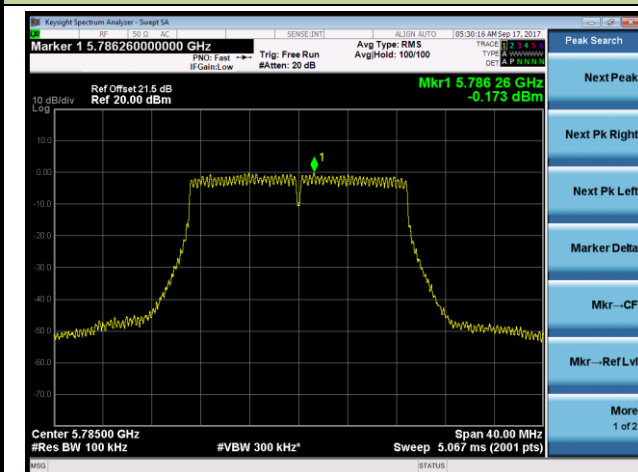
## Channel 48 (5240MHz)



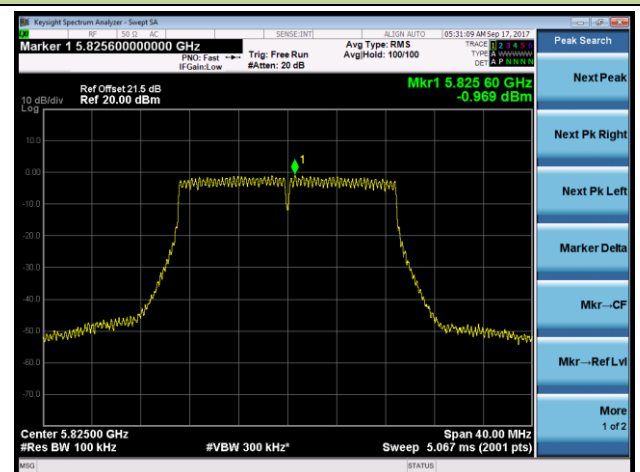
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

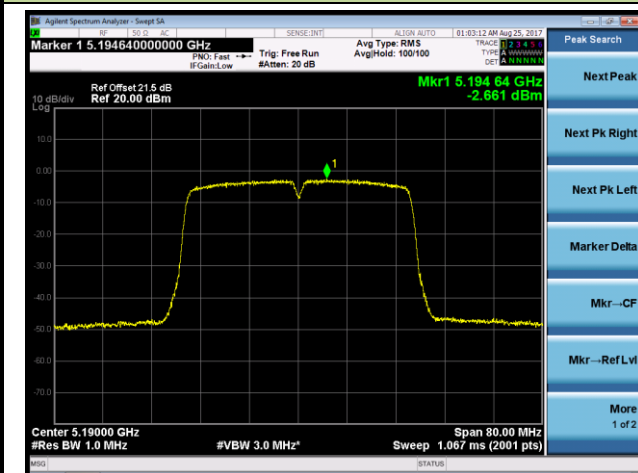


## Channel 165 (5825MHz)

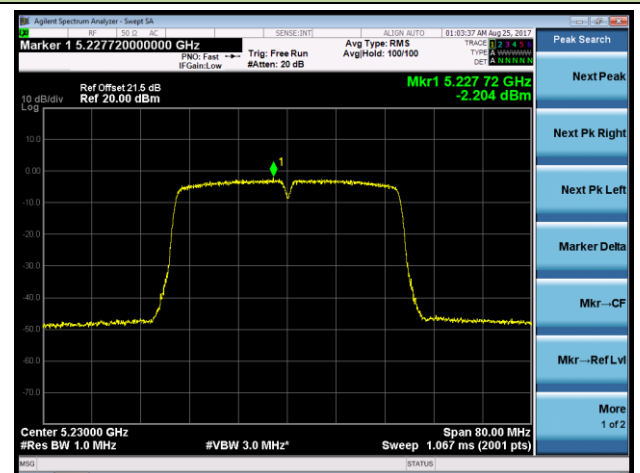


# 802.11n-HT40 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

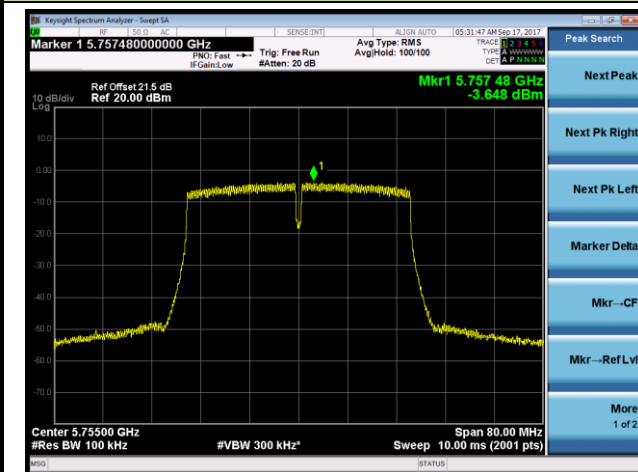
## Channel 38 (5190MHz)



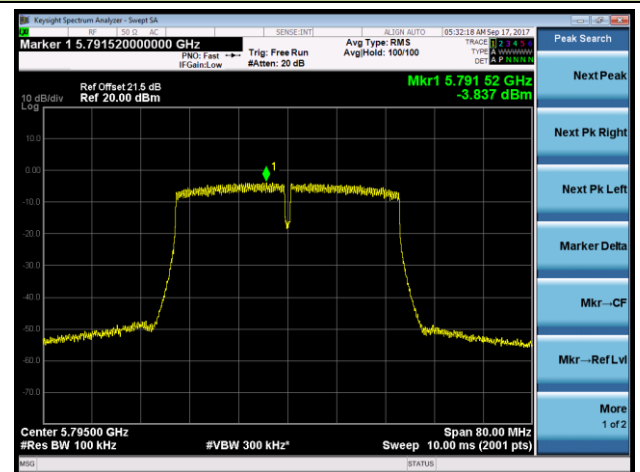
## Channel 46 (5230MHz)



## Channel 151 (5755MHz)

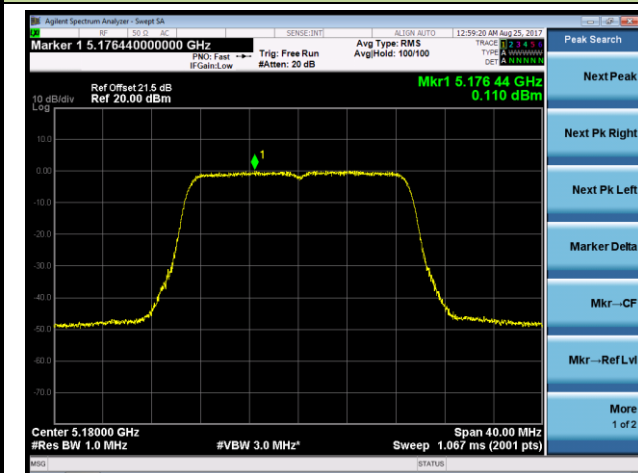


## Channel 159 (5795MHz)

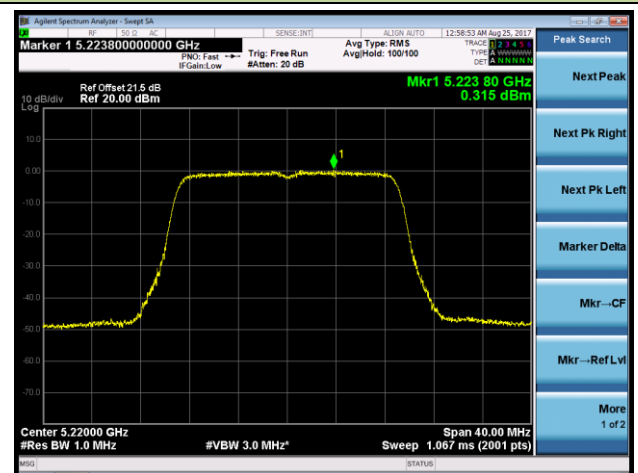


# 802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

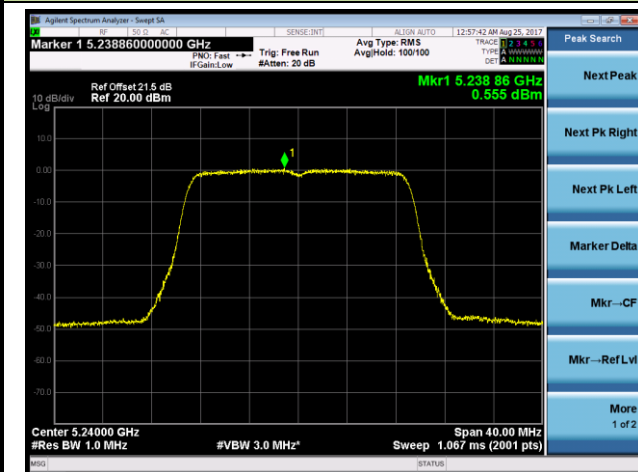
Channel 36 (5180MHz)



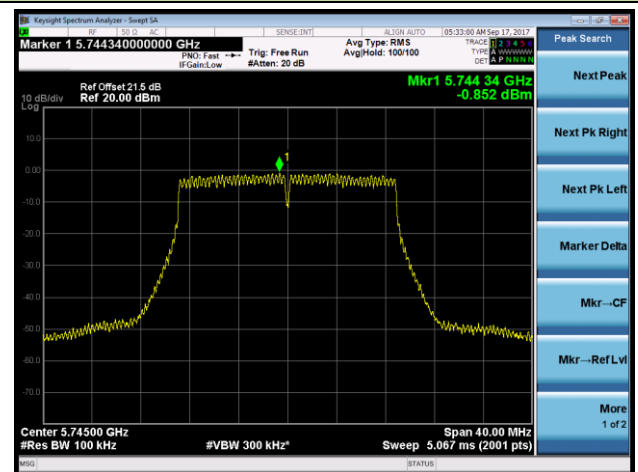
Channel 44 (5220MHz)



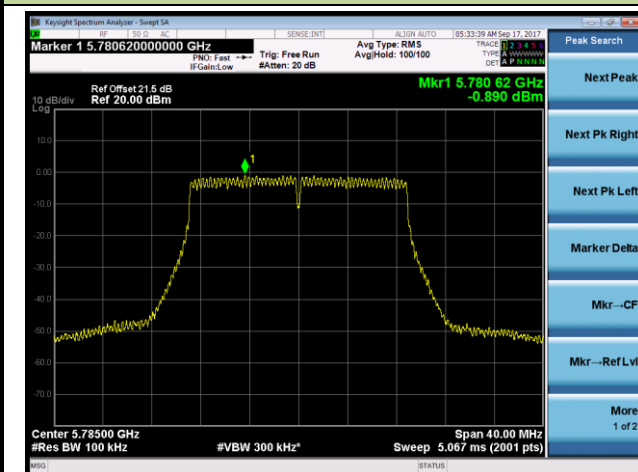
Channel 48 (5240MHz)



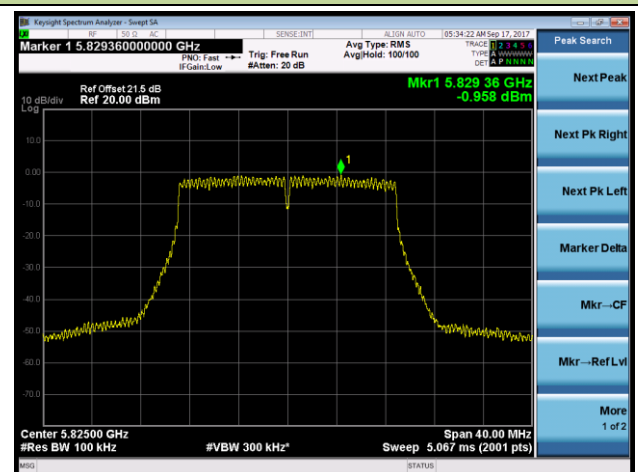
Channel 149 (5745MHz)



Channel 157 (5785MHz)

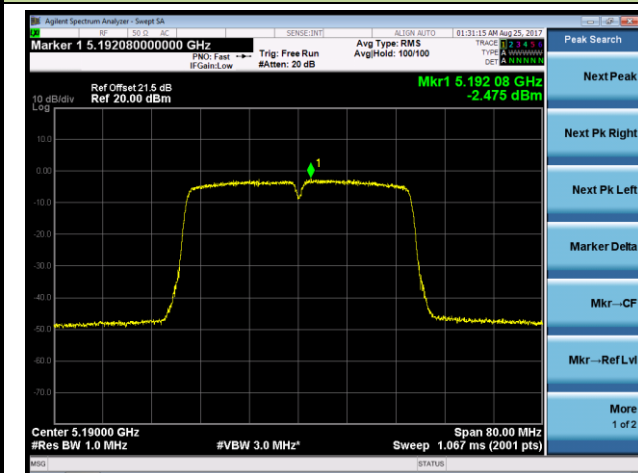


Channel 165 (5825MHz)

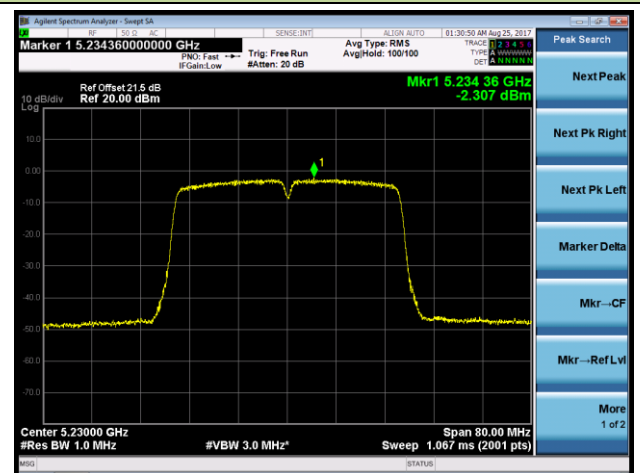


## 802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

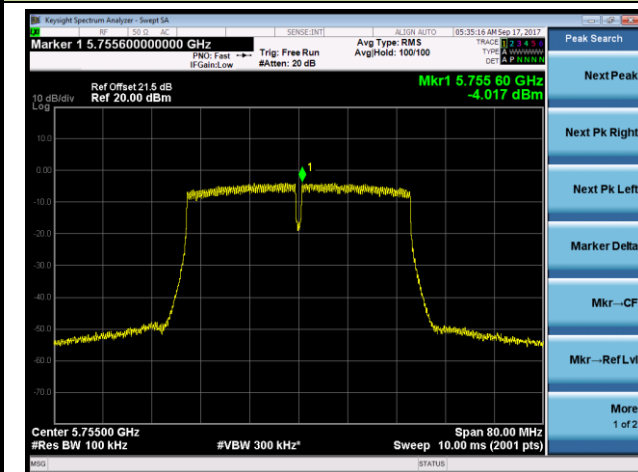
### Channel 38 (5190MHz)



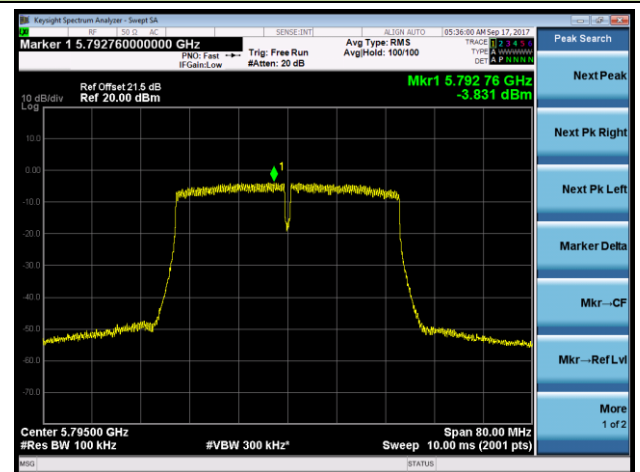
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)

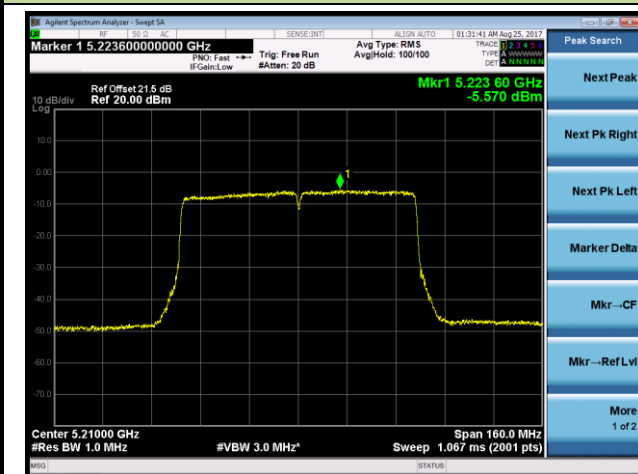


### Channel 159 (5795MHz)

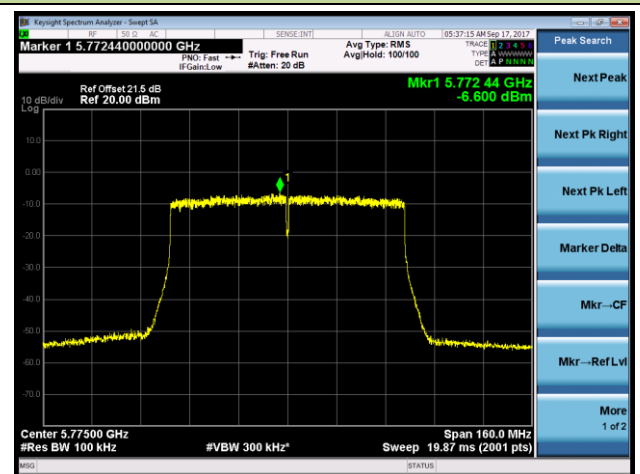


## 802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

### Channel 42 (5210MHz)



### Channel 155 (5775MHz)



|               |                                          |                   |            |
|---------------|------------------------------------------|-------------------|------------|
| Product       | AC220 Wi-Fi AP OD external antenna<br>US | Temperature       | 24°C       |
| Test Engineer | Johnson Liao                             | Relative Humidity | 59%        |
| Test Site     | SR2                                      | Test Date         | 2017/10/25 |
| Test Item     | Power Spectral Density (UNII-Band 1)     |                   |            |

| Test Mode  | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | PSD (dBm/MHz) | Duty Cycle (%) | Final PSD(dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|------------|-------------------|-------------|-------------|---------------|----------------|--------------------|---------------------|--------|
| Ant 1      |                   |             |             |               |                |                    |                     |        |
| 11a        | 6Mbps             | 36          | 5180        | 6.12          | 95.80          | 6.31               | ≤ 17.00             | Pass   |
| 11a        | 6Mbps             | 44          | 5220        | 6.86          | 95.80          | 7.04               | ≤ 17.00             | Pass   |
| 11a        | 6Mbps             | 48          | 5240        | 6.74          | 95.80          | 6.92               | ≤ 17.00             | Pass   |
| 11n-HT20   | MCS0              | 36          | 5180        | 6.58          | 98.07          | 6.58               | ≤ 17.00             | Pass   |
| 11n-HT20   | MCS0              | 44          | 5220        | 6.32          | 98.07          | 6.32               | ≤ 17.00             | Pass   |
| 11n-HT20   | MCS0              | 48          | 5240        | 6.80          | 98.07          | 6.80               | ≤ 17.00             | Pass   |
| 11n-HT40   | MCS0              | 38          | 5190        | 3.64          | 96.61          | 3.79               | ≤ 17.00             | Pass   |
| 11n-HT40   | MCS0              | 46          | 5230        | 3.89          | 96.61          | 4.03               | ≤ 17.00             | Pass   |
| 11ac-VHT20 | MCS0              | 36          | 5180        | 6.79          | 98.21          | 6.79               | ≤ 17.00             | Pass   |
| 11ac-VHT20 | MCS0              | 44          | 5220        | 6.31          | 98.21          | 6.31               | ≤ 17.00             | Pass   |
| 11ac-VHT20 | MCS0              | 48          | 5240        | 6.80          | 98.21          | 6.80               | ≤ 17.00             | Pass   |
| 11ac-VHT40 | MCS0              | 38          | 5190        | 3.66          | 96.43          | 3.82               | ≤ 17.00             | Pass   |
| 11ac-VHT40 | MCS0              | 46          | 5230        | 3.86          | 96.43          | 4.02               | ≤ 17.00             | Pass   |
| 11ac-VHT80 | MCS0              | 42          | 5210        | 0.70          | 91.40          | 1.09               | ≤ 17.00             | Pass   |

Note: When EUT duty cycle < 98%, the Final PSD (dBm/MHz) = PSD (dBm/MHz) + 10\*log(1/Duty Cycle).

| Test Mode  | Data Rate/MCS | Channel No. | Freq. (MHz) | PSD (dBm/MHz) | Duty Cycle (%) | Final PSD(dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|------------|---------------|-------------|-------------|---------------|----------------|--------------------|---------------------|--------|
| Ant 2      |               |             |             |               |                |                    |                     |        |
| 11a        | 6Mbps         | 36          | 5180        | 7.08          | 95.80          | 7.27               | ≤ 17.00             | Pass   |
| 11a        | 6Mbps         | 44          | 5220        | 7.17          | 95.80          | 7.36               | ≤ 17.00             | Pass   |
| 11a        | 6Mbps         | 48          | 5240        | 7.12          | 95.80          | 7.31               | ≤ 17.00             | Pass   |
| 11n-HT20   | MCS0          | 36          | 5180        | 7.21          | 98.07          | 7.21               | ≤ 17.00             | Pass   |
| 11n-HT20   | MCS0          | 44          | 5220        | 7.42          | 98.07          | 7.42               | ≤ 17.00             | Pass   |
| 11n-HT20   | MCS0          | 48          | 5240        | 7.14          | 98.07          | 7.14               | ≤ 17.00             | Pass   |
| 11n-HT40   | MCS0          | 38          | 5190        | 4.26          | 96.61          | 4.41               | ≤ 17.00             | Pass   |
| 11n-HT40   | MCS0          | 46          | 5230        | 4.45          | 96.61          | 4.60               | ≤ 17.00             | Pass   |
| 11ac-VHT20 | MCS0          | 36          | 5180        | 7.18          | 98.21          | 7.18               | ≤ 17.00             | Pass   |
| 11ac-VHT20 | MCS0          | 44          | 5220        | 6.91          | 98.21          | 6.91               | ≤ 17.00             | Pass   |
| 11ac-VHT20 | MCS0          | 48          | 5240        | 7.24          | 98.21          | 7.24               | ≤ 17.00             | Pass   |
| 11ac-VHT40 | MCS0          | 38          | 5190        | 4.26          | 96.43          | 4.42               | ≤ 17.00             | Pass   |
| 11ac-VHT40 | MCS0          | 46          | 5230        | 4.48          | 96.43          | 4.64               | ≤ 17.00             | Pass   |
| 11ac-VHT80 | MCS0          | 42          | 5210        | 1.05          | 91.40          | 1.44               | ≤ 17.00             | Pass   |

Note: When EUT duty cycle < 98%, the Final PSD (dBm/MHz) = PSD (dBm/MHz) + 10\*log(1/Duty Cycle).

| Test Mode            | Data Rate/<br>MCS | Channel<br>No. | Freq.<br>(MHz) | Ant 1<br>PSD<br>(dBm/<br>MHz) | Ant 2<br>PSD<br>(dBm/<br>MHz) | Duty<br>Cycle<br>(%) | Total PSD<br>(dBm/ MHz) | PSD Limit<br>(dBm/<br>MHz) | Result |
|----------------------|-------------------|----------------|----------------|-------------------------------|-------------------------------|----------------------|-------------------------|----------------------------|--------|
| Ant 1 + 2 (CDD Mode) |                   |                |                |                               |                               |                      |                         |                            |        |
| 11a                  | 6Mbps             | 36             | 5180           | 3.79                          | 4.50                          | 95.80                | 7.36                    | ≤ 14.99                    | Pass   |
| 11a                  | 6Mbps             | 44             | 5220           | 3.40                          | 4.61                          | 95.80                | 7.24                    | ≤ 14.99                    | Pass   |
| 11a                  | 6Mbps             | 48             | 5240           | 3.64                          | 4.03                          | 95.80                | 7.04                    | ≤ 14.99                    | Pass   |
| 11n-HT20             | MCS0              | 36             | 5180           | 3.79                          | 4.59                          | 98.07                | 7.22                    | ≤ 14.99                    | Pass   |
| 11n-HT20             | MCS0              | 44             | 5220           | 3.70                          | 3.94                          | 98.07                | 6.83                    | ≤ 14.99                    | Pass   |
| 11n-HT20             | MCS0              | 48             | 5240           | 3.74                          | 4.04                          | 98.07                | 6.90                    | ≤ 14.99                    | Pass   |
| 11n-HT40             | MCS0              | 38             | 5190           | 0.96                          | 1.31                          | 96.61                | 4.30                    | ≤ 14.99                    | Pass   |
| 11n-HT40             | MCS0              | 46             | 5230           | 1.15                          | 1.16                          | 96.61                | 4.31                    | ≤ 14.99                    | Pass   |
| 11ac-VHT20           | MCS0              | 36             | 5180           | 3.44                          | 3.84                          | 98.21                | 6.66                    | ≤ 14.99                    | Pass   |
| 11ac-VHT20           | MCS0              | 44             | 5220           | 3.16                          | 3.75                          | 98.21                | 6.47                    | ≤ 14.99                    | Pass   |
| 11ac-VHT20           | MCS0              | 48             | 5240           | 3.64                          | 4.00                          | 98.21                | 6.83                    | ≤ 14.99                    | Pass   |
| 11ac-VHT40           | MCS0              | 38             | 5190           | 0.94                          | 1.34                          | 96.43                | 4.31                    | ≤ 14.99                    | Pass   |
| 11ac-VHT40           | MCS0              | 46             | 5230           | 1.03                          | 1.27                          | 96.43                | 4.32                    | ≤ 14.99                    | Pass   |
| 11ac-VHT80           | MCS0              | 42             | 5210           | -2.38                         | -2.22                         | 91.40                | 1.11                    | ≤ 14.99                    | Pass   |

Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$

Note 2: When EUT duty cycle < 98%, the total PSD (dBm/MHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$

| Test Mode                     | Data Rate/<br>MCS | Channel<br>No. | Freq.<br>(MHz) | Ant 1<br>PSD<br>(dBm/<br>MHz) | Ant 2<br>PSD<br>(dBm/<br>MHz) | Duty<br>Cycle<br>(%) | Total PSD<br>(dBm/ MHz) | PSD Limit<br>(dBm/<br>MHz) | Result |
|-------------------------------|-------------------|----------------|----------------|-------------------------------|-------------------------------|----------------------|-------------------------|----------------------------|--------|
| Ant 1 + 2 (Beam-Forming Mode) |                   |                |                |                               |                               |                      |                         |                            |        |
| 11n-HT20                      | MCS0              | 36             | 5180           | 0.53                          | 0.42                          | 98.07                | 3.48                    | ≤ 14.99                    | Pass   |
| 11n-HT20                      | MCS0              | 44             | 5220           | 0.30                          | 0.76                          | 98.07                | 3.55                    | ≤ 14.99                    | Pass   |
| 11n-HT20                      | MCS0              | 48             | 5240           | 0.36                          | 0.14                          | 98.07                | 3.26                    | ≤ 14.99                    | Pass   |
| 11n-HT40                      | MCS0              | 38             | 5190           | -3.40                         | -2.52                         | 96.61                | 0.22                    | ≤ 14.99                    | Pass   |
| 11n-HT40                      | MCS0              | 46             | 5230           | -2.08                         | -1.83                         | 96.61                | 1.20                    | ≤ 14.99                    | Pass   |
| 11ac-VHT20                    | MCS0              | 36             | 5180           | 0.88                          | 1.27                          | 98.21                | 4.09                    | ≤ 14.99                    | Pass   |
| 11ac-VHT20                    | MCS0              | 44             | 5220           | 0.46                          | 0.78                          | 98.21                | 3.63                    | ≤ 14.99                    | Pass   |
| 11ac-VHT20                    | MCS0              | 48             | 5240           | 0.89                          | 1.18                          | 98.21                | 4.05                    | ≤ 14.99                    | Pass   |
| 11ac-VHT40                    | MCS0              | 38             | 5190           | -1.92                         | -1.79                         | 96.43                | 1.31                    | ≤ 14.99                    | Pass   |
| 11ac-VHT40                    | MCS0              | 46             | 5230           | -1.78                         | -1.41                         | 96.43                | 1.58                    | ≤ 14.99                    | Pass   |
| 11ac-VHT80                    | MCS0              | 42             | 5210           | -5.01                         | -4.79                         | 91.40                | -1.50                   | ≤ 14.99                    | Pass   |

Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$

Note 2: When EUT duty cycle < 98%, the total PSD (dBm/MHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$

|               |                                          |                   |            |
|---------------|------------------------------------------|-------------------|------------|
| Product       | AC220 Wi-Fi AP OD external antenna<br>US | Temperature       | 24°C       |
| Test Engineer | Johnson Liao                             | Relative Humidity | 59%        |
| Test Site     | SR2                                      | Test Date         | 2017/08/27 |
| Test Item     | Power Spectral Density (UNII-Band 3)     |                   |            |

| Test Mode  | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | PSD (dBm/100KHz) | Duty Cycle (%) | Constant Factor | Final PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|------------|-------------------|-------------|-------------|------------------|----------------|-----------------|---------------------|---------------------|--------|
| Ant 1      |                   |             |             |                  |                |                 |                     |                     |        |
| 11a        | 6Mbps             | 149         | 5745        | 1.09             | 95.80          | 6.99            | 8.27                | ≤ 30.00             | Pass   |
| 11a        | 6Mbps             | 157         | 5785        | 1.41             | 95.80          | 6.99            | 8.59                | ≤ 30.00             | Pass   |
| 11a        | 6Mbps             | 165         | 5825        | 1.05             | 95.80          | 6.99            | 8.23                | ≤ 30.00             | Pass   |
| 11n-HT20   | MCS0              | 149         | 5745        | 0.98             | 98.07          | 6.99            | 7.97                | ≤ 30.00             | Pass   |
| 11n-HT20   | MCS0              | 157         | 5785        | 1.39             | 98.07          | 6.99            | 8.38                | ≤ 30.00             | Pass   |
| 11n-HT20   | MCS0              | 165         | 5825        | 1.21             | 98.07          | 6.99            | 8.20                | ≤ 30.00             | Pass   |
| 11n-HT40   | MCS0              | 151         | 5755        | -1.84            | 96.61          | 6.99            | 5.30                | ≤ 30.00             | Pass   |
| 11n-HT40   | MCS0              | 159         | 5795        | 1.34             | 96.61          | 6.99            | 8.48                | ≤ 30.00             | Pass   |
| 11ac-VHT20 | MCS0              | 149         | 5745        | 0.87             | 98.21          | 6.99            | 7.86                | ≤ 30.00             | Pass   |
| 11ac-VHT20 | MCS0              | 157         | 5785        | 1.28             | 98.21          | 6.99            | 8.27                | ≤ 30.00             | Pass   |
| 11ac-VHT20 | MCS0              | 165         | 5825        | 1.58             | 98.21          | 6.99            | 8.57                | ≤ 30.00             | Pass   |
| 11ac-VHT40 | MCS0              | 151         | 5755        | -1.71            | 96.43          | 6.99            | 5.44                | ≤ 30.00             | Pass   |
| 11ac-VHT40 | MCS0              | 159         | 5795        | -1.55            | 96.43          | 6.99            | 5.60                | ≤ 30.00             | Pass   |
| 11ac-VHT80 | MCS0              | 155         | 5775        | -5.08            | 91.40          | 6.99            | 2.30                | ≤ 30.00             | Pass   |

Note 1: When EUT duty cycle ≥ 98%, the Final PSD (dBm/MHz) = PSD (dBm/100kHz) + Constant Factor.

Note 2: When EUT duty cycle < 98%, the Final PSD (dBm/MHz) = PSD (dBm/100k Hz) + 10\*log(1/Duty Cycle) + Constant Factor.

| Test Mode  | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | PSD (dBm/100KHz) | Duty Cycle (%) | Constant Factor | Final PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|------------|-------------------|-------------|-------------|------------------|----------------|-----------------|---------------------|---------------------|--------|
| Ant 2      |                   |             |             |                  |                |                 |                     |                     |        |
| 11a        | 6Mbps             | 149         | 5745        | 1.54             | 95.80          | 6.99            | 8.72                | ≤ 30.00             | Pass   |
| 11a        | 6Mbps             | 157         | 5785        | 2.01             | 95.80          | 6.99            | 9.19                | ≤ 30.00             | Pass   |
| 11a        | 6Mbps             | 165         | 5825        | 2.08             | 95.80          | 6.99            | 9.26                | ≤ 30.00             | Pass   |
| 11n-HT20   | MCS0              | 149         | 5745        | 1.41             | 98.07          | 6.99            | 8.40                | ≤ 30.00             | Pass   |
| 11n-HT20   | MCS0              | 157         | 5785        | 2.14             | 98.07          | 6.99            | 9.13                | ≤ 30.00             | Pass   |
| 11n-HT20   | MCS0              | 165         | 5825        | 1.85             | 98.07          | 6.99            | 8.84                | ≤ 30.00             | Pass   |
| 11n-HT40   | MCS0              | 151         | 5755        | -1.06            | 96.61          | 6.99            | 6.08                | ≤ 30.00             | Pass   |
| 11n-HT40   | MCS0              | 159         | 5795        | -0.86            | 96.61          | 6.99            | 6.28                | ≤ 30.00             | Pass   |
| 11ac-VHT20 | MCS0              | 149         | 5745        | 1.71             | 98.21          | 6.99            | 8.70                | ≤ 30.00             | Pass   |
| 11ac-VHT20 | MCS0              | 157         | 5785        | 2.04             | 98.21          | 6.99            | 9.03                | ≤ 30.00             | Pass   |
| 11ac-VHT20 | MCS0              | 165         | 5825        | 1.92             | 98.21          | 6.99            | 8.91                | ≤ 30.00             | Pass   |
| 11ac-VHT40 | MCS0              | 151         | 5755        | -1.18            | 96.43          | 6.99            | 5.97                | ≤ 30.00             | Pass   |
| 11ac-VHT40 | MCS0              | 159         | 5795        | -0.82            | 96.43          | 6.99            | 6.33                | ≤ 30.00             | Pass   |
| 11ac-VHT80 | MCS0              | 155         | 5775        | -4.49            | 91.40          | 6.99            | 2.89                | ≤ 30.00             | Pass   |

Note 1: When EUT duty cycle ≥ 98%, the Final PSD (dBm/MHz) = PSD (dBm/100kHz) + Constant Factor.

Note 2: When EUT duty cycle < 98%, the Final PSD (dBm/MHz) = PSD (dBm/100k Hz) + 10\*log(1/Duty Cycle) + Constant Factor.

| Test Mode            | Data Rate/MCS | Channel No. | Freq. (MHz) | Ant 1 PSD (dBm/100kHz) | Ant 2 PSD (dBm/100kHz) | Duty Cycle (%) | Constant Factor | Total PSD(dBm/500kHz) | Limit (dBm/500kHz) | Result |
|----------------------|---------------|-------------|-------------|------------------------|------------------------|----------------|-----------------|-----------------------|--------------------|--------|
| Ant 1 + 2 (CDD Mode) |               |             |             |                        |                        |                |                 |                       |                    |        |
| 11a                  | 6             | 149         | 5745        | 1.76                   | 1.89                   | 95.80          | 6.99            | 12.01                 | ≤ 27.99            | Pass   |
| 11a                  | 6             | 157         | 5785        | 1.79                   | 2.35                   | 95.80          | 6.99            | 12.27                 | ≤ 27.99            | Pass   |
| 11a                  | 6             | 165         | 5825        | 1.51                   | 2.60                   | 95.80          | 6.99            | 12.28                 | ≤ 27.99            | Pass   |
| 11n-HT20             | MCS0          | 149         | 5745        | 1.02                   | 2.06                   | 98.07          | 6.99            | 11.57                 | ≤ 27.99            | Pass   |
| 11n-HT20             | MCS0          | 157         | 5785        | 1.57                   | 2.26                   | 98.07          | 6.99            | 11.93                 | ≤ 27.99            | Pass   |
| 11n-HT20             | MCS0          | 165         | 5825        | 1.47                   | 2.42                   | 98.07          | 6.99            | 11.97                 | ≤ 27.99            | Pass   |
| 11n-HT40             | MCS0          | 151         | 5755        | -1.57                  | -0.65                  | 96.61          | 6.99            | 9.06                  | ≤ 27.99            | Pass   |
| 11n-HT40             | MCS0          | 159         | 5795        | -1.25                  | -0.45                  | 96.61          | 6.99            | 9.32                  | ≤ 27.99            | Pass   |
| 11ac-VHT20           | MCS0          | 149         | 5745        | 1.09                   | 2.12                   | 98.21          | 6.99            | 11.64                 | ≤ 27.99            | Pass   |
| 11ac-VHT20           | MCS0          | 157         | 5785        | 1.46                   | 2.43                   | 98.21          | 6.99            | 11.97                 | ≤ 27.99            | Pass   |
| 11ac-VHT20           | MCS0          | 165         | 5825        | 1.59                   | 2.27                   | 98.21          | 6.99            | 11.94                 | ≤ 27.99            | Pass   |
| 11ac-VHT40           | MCS0          | 151         | 5755        | -1.51                  | -0.94                  | 96.43          | 6.99            | 8.94                  | ≤ 27.99            | Pass   |
| 11ac-VHT40           | MCS0          | 159         | 5795        | -1.20                  | -0.27                  | 96.43          | 6.99            | 9.45                  | ≤ 27.99            | Pass   |
| 11ac-VHT80           | MCS0          | 155         | 5775        | -4.64                  | -4.13                  | 91.40          | 6.99            | 6.01                  | ≤ 27.99            | Pass   |

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/500kHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + \text{Constant Factor}$ .

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle}) + \text{Constant Factor}$ .

| Test Mode                     | Data Rate/<br>MCS | Channel No. | Freq. (MHz) | Ant 1 PSD (dBm/100kHz) | Ant 2 PSD (dBm/100kHz) | Duty Cycle (%) | Constant Factor | Total PSD(dBm/500kHz) | Limit (dBm/500kHz) | Result |
|-------------------------------|-------------------|-------------|-------------|------------------------|------------------------|----------------|-----------------|-----------------------|--------------------|--------|
| Ant 1 + 2 (Beam-Forming Mode) |                   |             |             |                        |                        |                |                 |                       |                    |        |
| 11n-HT20                      | MCS0              | 149         | 5745        | 1.02                   | 2.06                   | 98.07          | 6.99            | 11.57                 | ≤ 27.99            | Pass   |
| 11n-HT20                      | MCS0              | 157         | 5785        | 1.57                   | 2.26                   | 98.07          | 6.99            | 11.93                 | ≤ 27.99            | Pass   |
| 11n-HT20                      | MCS0              | 165         | 5825        | 1.47                   | 2.42                   | 98.07          | 6.99            | 11.97                 | ≤ 27.99            | Pass   |
| 11n-HT40                      | MCS0              | 151         | 5755        | -1.57                  | -0.65                  | 96.61          | 6.99            | 9.06                  | ≤ 27.99            | Pass   |
| 11n-HT40                      | MCS0              | 159         | 5795        | -1.25                  | -0.45                  | 96.61          | 6.99            | 9.32                  | ≤ 27.99            | Pass   |
| 11ac-VHT20                    | MCS0              | 149         | 5745        | 1.09                   | 2.12                   | 98.21          | 6.99            | 11.64                 | ≤ 27.99            | Pass   |
| 11ac-VHT20                    | MCS0              | 157         | 5785        | 1.46                   | 2.43                   | 98.21          | 6.99            | 11.97                 | ≤ 27.99            | Pass   |
| 11ac-VHT20                    | MCS0              | 165         | 5825        | 1.59                   | 2.27                   | 98.21          | 6.99            | 11.94                 | ≤ 27.99            | Pass   |
| 11ac-VHT40                    | MCS0              | 151         | 5755        | -1.51                  | -0.94                  | 96.43          | 6.99            | 8.94                  | ≤ 27.99            | Pass   |
| 11ac-VHT40                    | MCS0              | 159         | 5795        | -1.20                  | -0.27                  | 96.43          | 6.99            | 9.45                  | ≤ 27.99            | Pass   |
| 11ac-VHT80                    | MCS0              | 155         | 5775        | -4.64                  | -4.13                  | 91.40          | 6.99            | 6.01                  | ≤ 27.99            | Pass   |

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/500kHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + \text{Constant Factor}$ .

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) =  $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle}) + \text{Constant Factor}$ .