

|               |                                                                |                   |                         |
|---------------|----------------------------------------------------------------|-------------------|-------------------------|
| Product       | AX6600 Tri-Band Wi-Fi 6 Gaming Router                          | Temperature       | 23 ~ 25°C               |
| Test Engineer | Kevin Ker                                                      | Relative Humidity | 40 ~ 56%                |
| Test Site     | SR1                                                            | Test Date         | 2020/04/20 ~ 2020/05/14 |
| Mode          | Power Spectral Density (U-NII- 2C) CDD Mode N <sub>SS</sub> =2 |                   |                         |

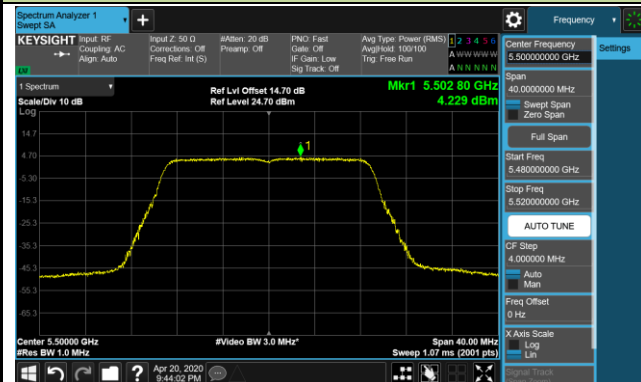
| Test Mode   | Data Rate /MCS | Ch. No. | Freq. (MHz) | Ant 0 PSD (dBm/MHz) | Ant 1 PSD (dBm/MHz) | Ant 2 PSD (dBm/MHz) | Ant 3 PSD (dBm/MHz) | Duty Cycle (%) | Total PSD (dBm/MHz) | PSD Limit (dBm/MHz) | Result |
|-------------|----------------|---------|-------------|---------------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------------|--------|
| 11ac-VHT20  | MCS0           | 100     | 5500        | 4.23                | 4.27                | 4.48                | 4.58                | 96.55          | 10.56               | ≤ 11.00             | Pass   |
| 11ac-VHT20  | MCS0           | 116     | 5580        | 4.37                | 4.49                | 4.89                | 5.19                | 96.55          | 10.92               | ≤ 11.00             | Pass   |
| 11ac-VHT20  | MCS0           | 140     | 5700        | 4.32                | 4.33                | 4.63                | 4.61                | 96.55          | 10.65               | ≤ 11.00             | Pass   |
| 11ac-VHT20  | MCS0           | 144     | 5720        | 4.39                | 4.09                | 4.75                | 4.46                | 96.55          | 10.60               | ≤ 11.00             | Pass   |
| 11ac-VHT40  | MCS0           | 102     | 5510        | 3.52                | 3.38                | 3.45                | 3.30                | 93.77          | 9.71                | ≤ 11.00             | Pass   |
| 11ac-VHT40  | MCS0           | 110     | 5550        | 3.40                | 3.37                | 4.03                | 3.66                | 93.77          | 9.92                | ≤ 11.00             | Pass   |
| 11ac-VHT40  | MCS0           | 134     | 5670        | 2.55                | 2.32                | 2.97                | 3.34                | 93.77          | 9.11                | ≤ 11.00             | Pass   |
| 11ac-VHT40  | MCS0           | 142     | 5710        | 2.11                | 2.82                | 2.92                | 2.74                | 93.77          | 8.96                | ≤ 11.00             | Pass   |
| 11ac-VHT80  | MCS0           | 106     | 5530        | 0.69                | 0.73                | 1.37                | 0.88                | 87.48          | 7.53                | ≤ 11.00             | Pass   |
| 11ac-VHT80  | MCS0           | 122     | 5610        | -0.32               | -0.28               | 0.08                | -0.11               | 87.48          | 6.45                | ≤ 11.00             | Pass   |
| 11ac-VHT80  | MCS0           | 138     | 5690        | -0.84               | -0.80               | 0.06                | -0.62               | 87.48          | 6.07                | ≤ 11.00             | Pass   |
| 11ac-VHT160 | MCS0           | 114     | 5570        | -3.91               | -3.68               | -4.16               | -4.27               | 83.11          | 2.83                | ≤ 11.00             | Pass   |
| 11ax-HE20   | MCS0           | 100     | 5500        | 4.45                | 4.33                | 4.60                | 4.41                | 95.62          | 10.66               | ≤ 11.00             | Pass   |
| 11ax-HE20   | MCS0           | 116     | 5580        | 4.36                | 4.43                | 4.87                | 5.03                | 95.62          | 10.90               | ≤ 11.00             | Pass   |
| 11ax-HE20   | MCS0           | 140     | 5700        | 3.70                | 3.33                | 4.14                | 3.81                | 95.62          | 9.97                | ≤ 11.00             | Pass   |
| 11ax-HE20   | MCS0           | 144     | 5720        | 4.12                | 4.23                | 5.28                | 4.79                | 95.62          | 10.84               | ≤ 11.00             | Pass   |
| 11ax-HE40   | MCS0           | 102     | 5510        | 3.22                | 3.21                | 2.73                | 2.56                | 96.34          | 9.12                | ≤ 11.00             | Pass   |
| 11ax-HE40   | MCS0           | 110     | 5550        | 2.60                | 2.68                | 2.87                | 2.71                | 96.34          | 8.90                | ≤ 11.00             | Pass   |
| 11ax-HE40   | MCS0           | 134     | 5670        | 2.31                | 2.19                | 2.40                | 2.53                | 96.34          | 8.54                | ≤ 11.00             | Pass   |
| 11ax-HE40   | MCS0           | 142     | 5710        | 2.21                | 1.54                | 2.47                | 2.75                | 96.34          | 8.45                | ≤ 11.00             | Pass   |
| 11ax-HE80   | MCS0           | 106     | 5530        | -0.42               | -0.24               | 0.03                | 0.12                | 88.13          | 6.45                | ≤ 11.00             | Pass   |
| 11ax-HE80   | MCS0           | 122     | 5610        | -0.22               | -0.33               | -0.02               | -0.35               | 88.13          | 6.34                | ≤ 11.00             | Pass   |
| 11ax-HE80   | MCS0           | 122     | 5690        | -1.23               | -0.57               | -0.55               | -0.11               | 88.13          | 5.97                | ≤ 11.00             | Pass   |
| 11ax-HE160  | MCS0           | 114     | 5570        | -3.51               | -3.91               | -4.24               | -4.67               | 81.12          | 2.87                | ≤ 11.00             | Pass   |

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) =  $10 \cdot \log \{ 10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)} \}$  (dBm/MHz) +  $10 \cdot \log (1/\text{Duty Cycle})$ .

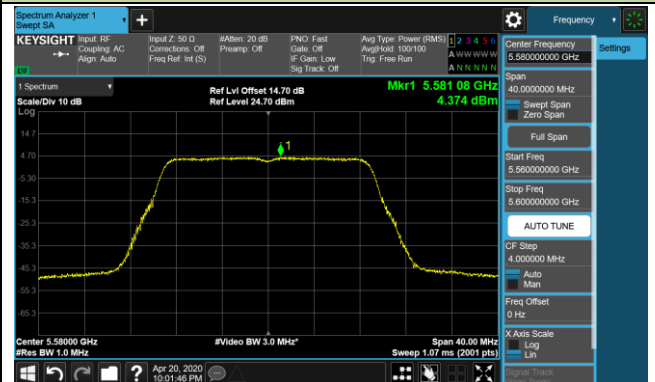
Note 2: PSD Limit (dBm/MHz) = 11dBm/MHz.

## 802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

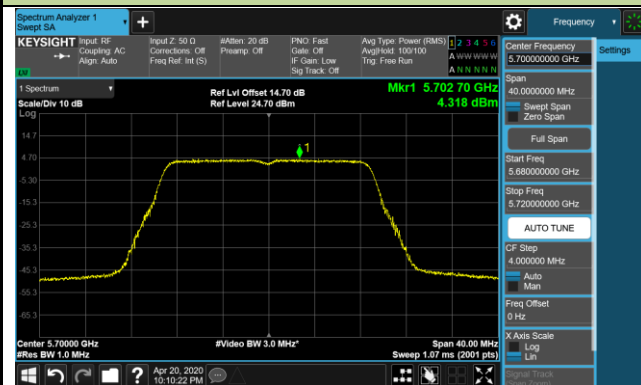
Channel 100 (5500MHz)



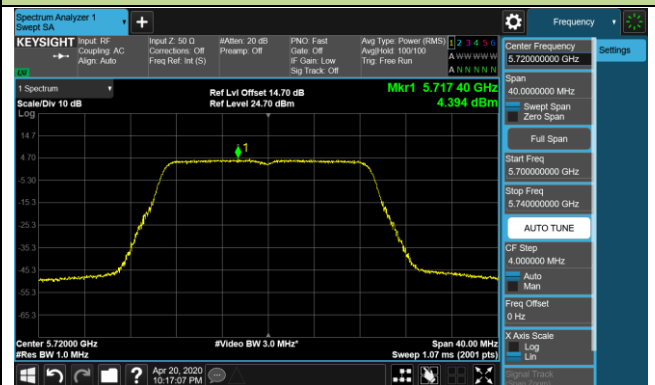
Channel 116 (5580MHz)



Channel 140 (5700MHz)

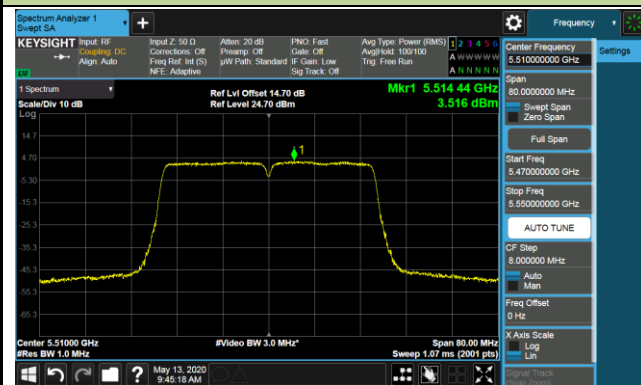


Channel 144 (5720MHz)

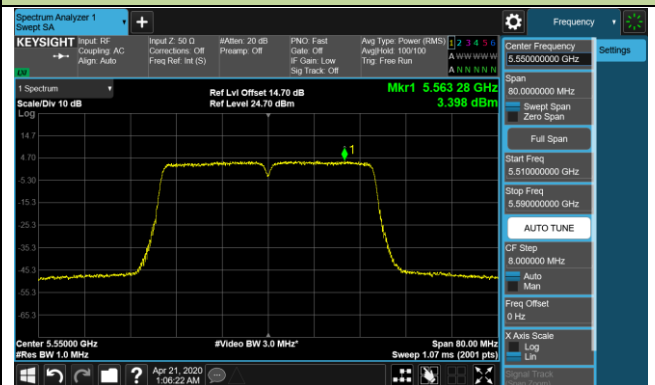


## 802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

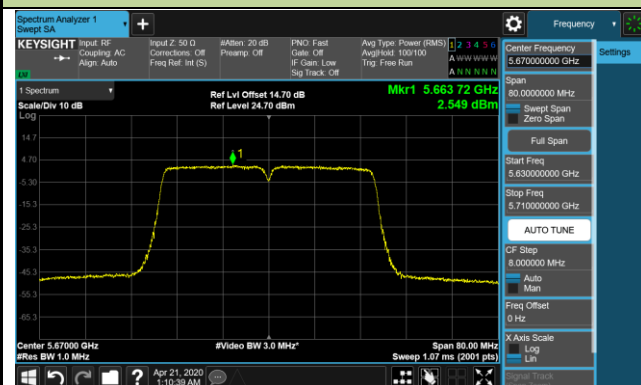
Channel 102 (5510MHz)



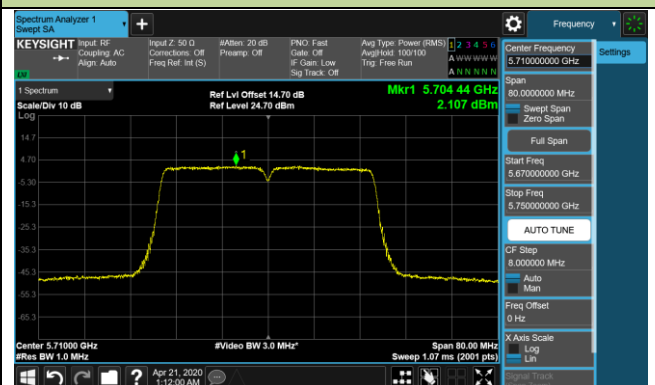
Channel 110 (5550MHz)



Channel 134 (5670MHz)

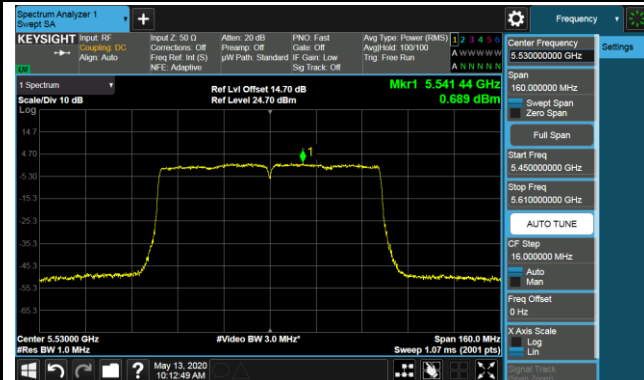


Channel 142 (5710MHz)

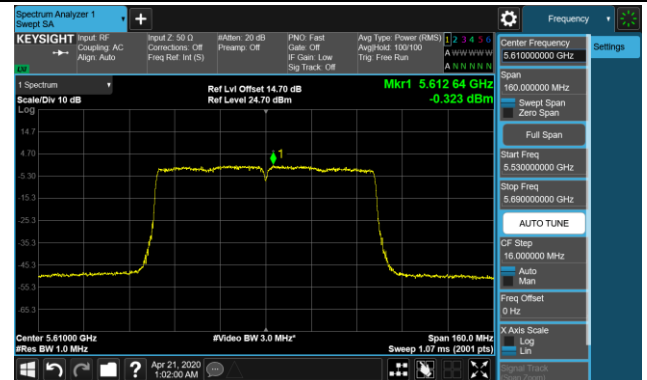


## 802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

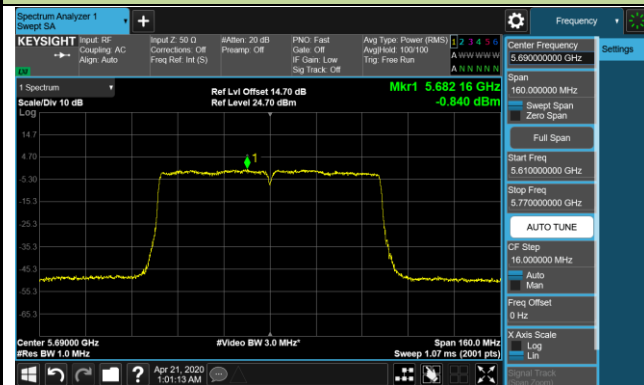
## Channel 106 (5530MHz)



## Channel 122 (5610MHz)



## Channel 138 (5690MHz)



## 802.11ac-VHT160 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

## Channel 114 (5570MHz)

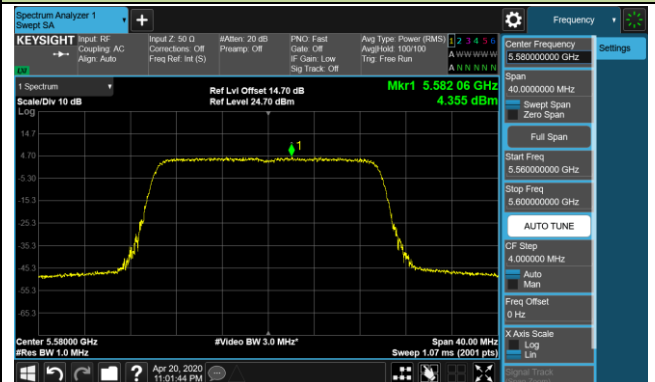


## 802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

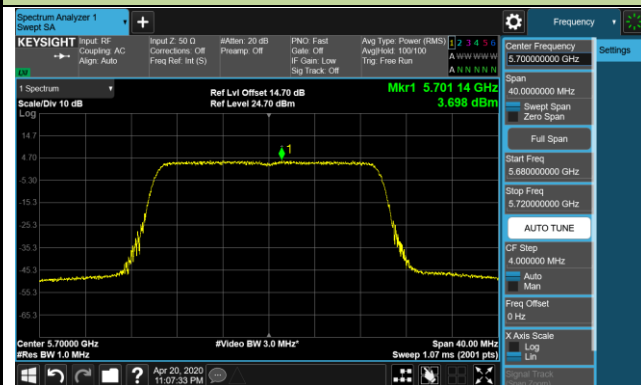
Channel 100 (5500MHz)



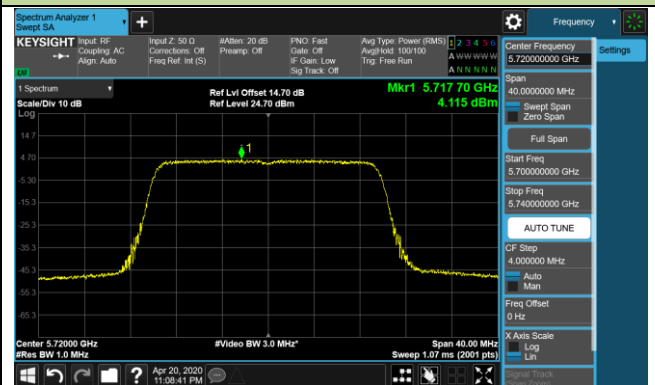
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

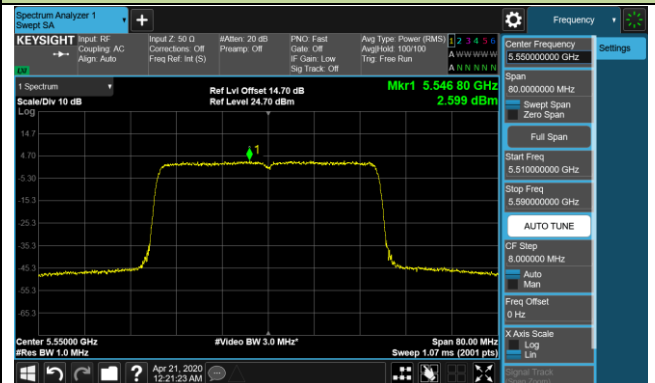


## 802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

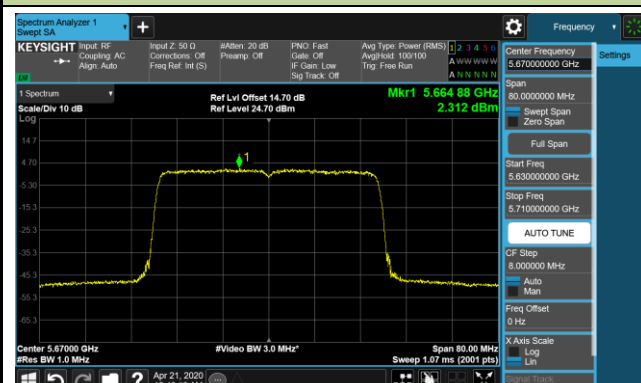
Channel 102 (5510MHz)



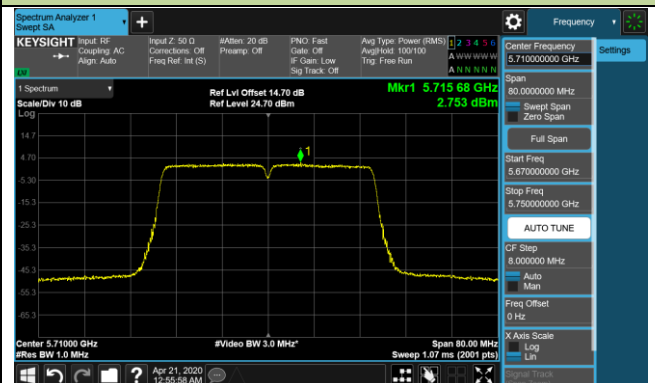
Channel 110(5550MHz)



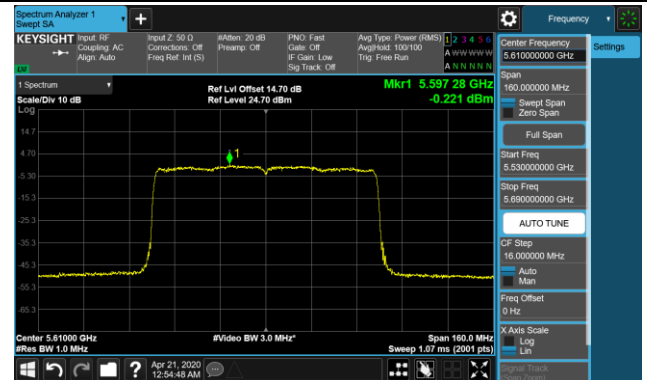
Channel 134 (5670MHz)



Channel 142 (5710MHz)



Channel 122 (5610MHz)

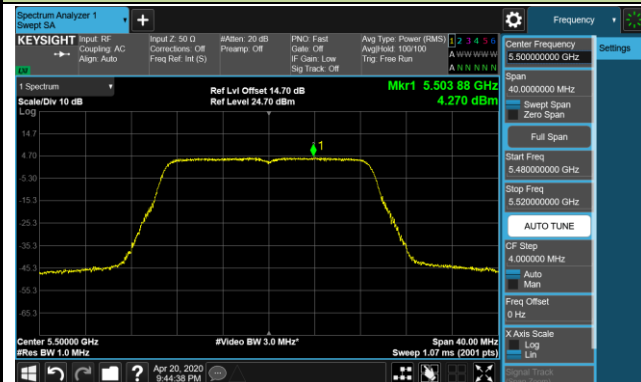


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## 802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

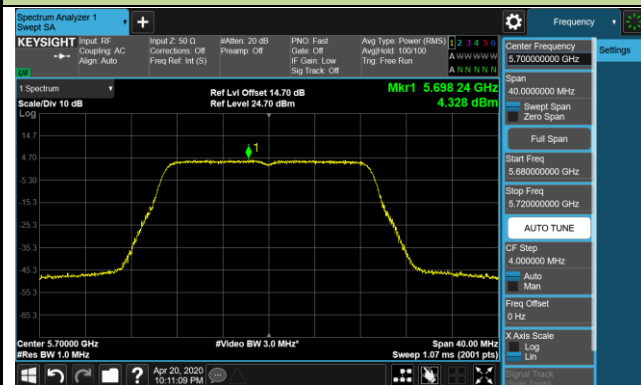
## Channel 100 (5500MHz)



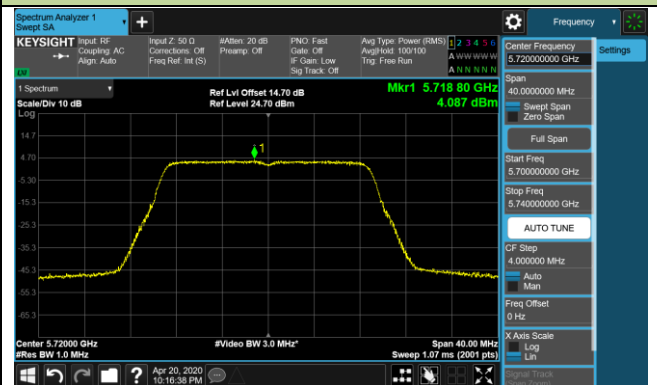
## Channel 116 (5580MHz)



## Channel 140 (5700MHz)



## Channel 144 (5720MHz)

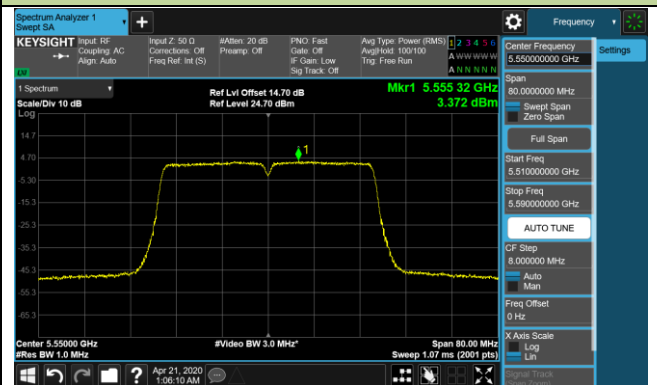


## 802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

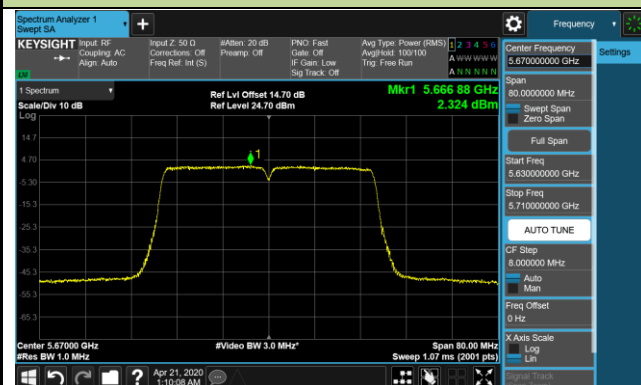
## Channel 102 (5510MHz)



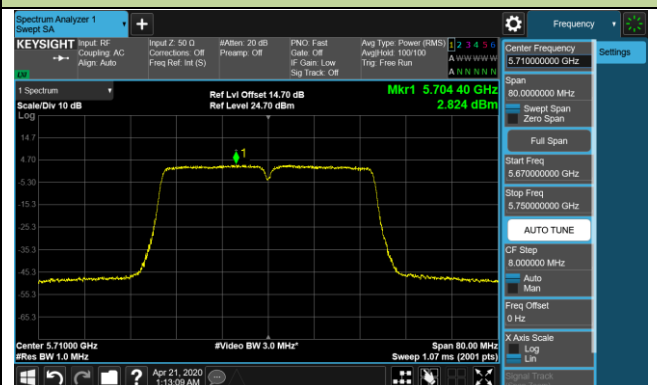
## Channel 110 (5550MHz)



## Channel 134 (5670MHz)

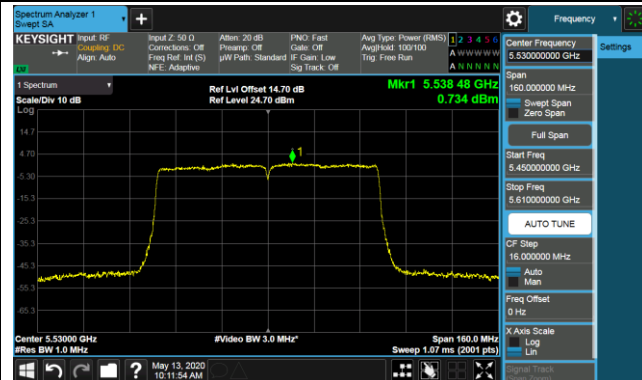


## Channel 142 (5710MHz)

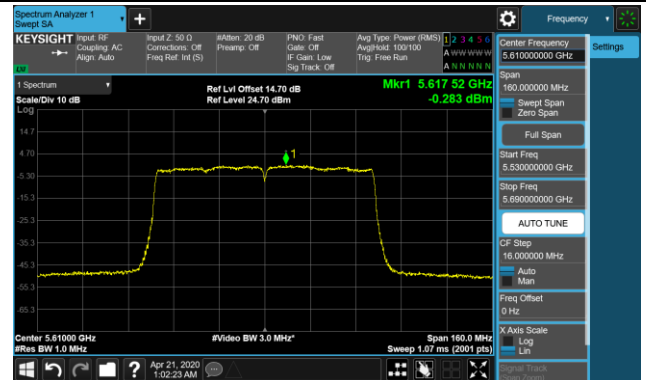


## 802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

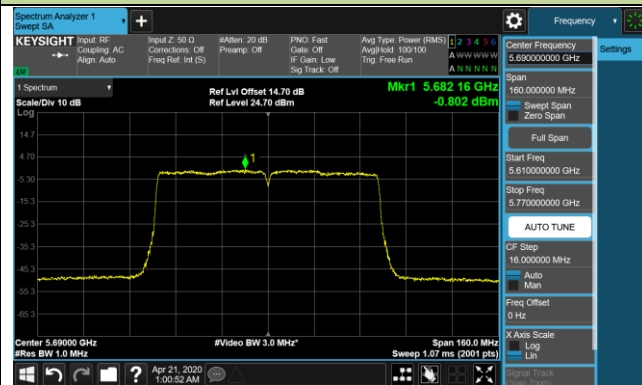
## Channel 106 (5530MHz)



## Channel 122 (5610MHz)



## Channel 138 (5690MHz)



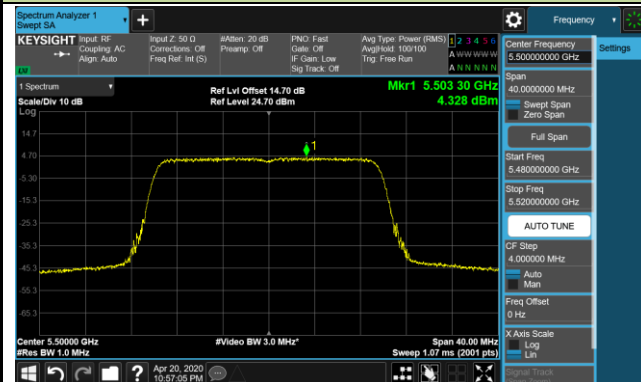
## 802.11ac-VHT160 Power Spectral Density –Ant 1 / Ant 0 + 1 + 2 + 3

## Channel 114 (5570MHz)

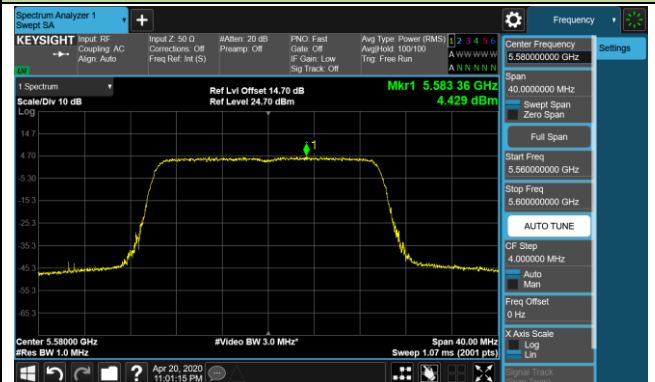


## 802.11ax-HE20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

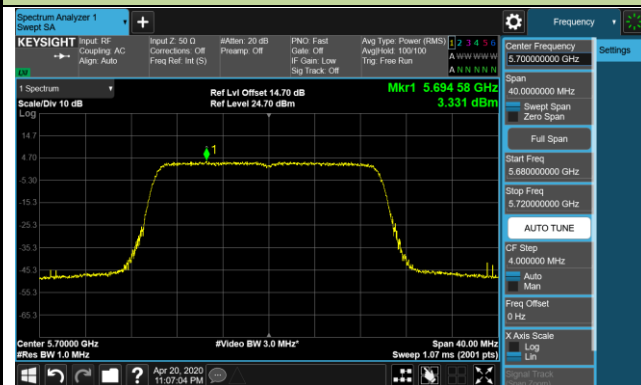
Channel 100 (5500MHz)



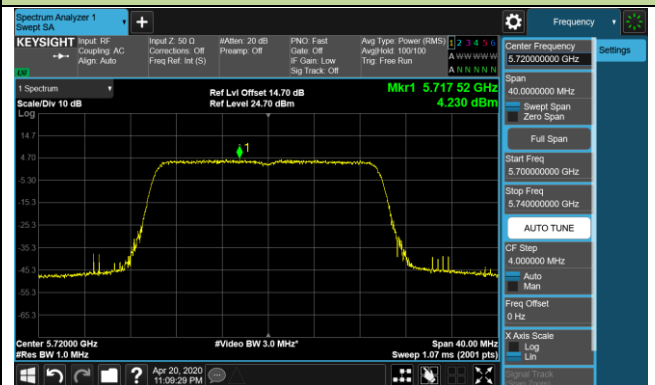
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

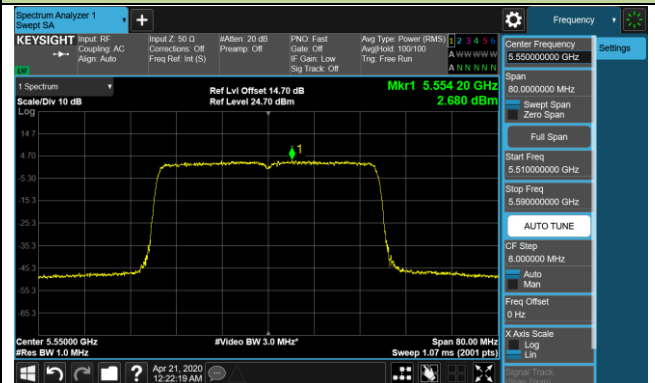


## 802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

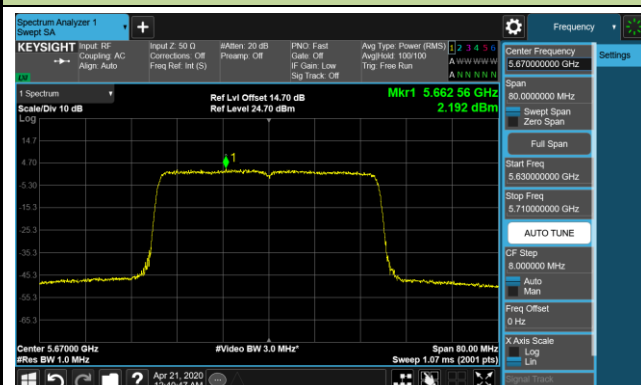
Channel 102 (5510MHz)



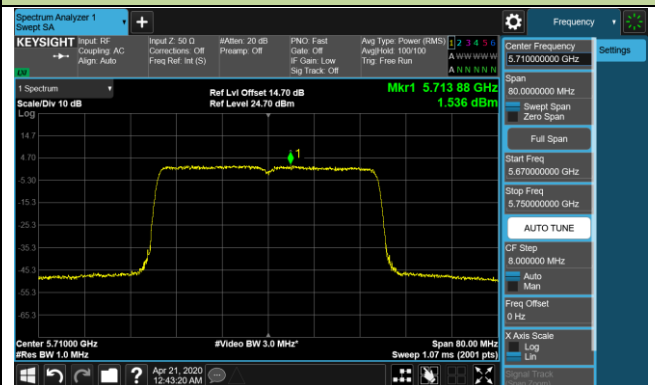
Channel 110 (5550MHz)



Channel 134 (5670MHz)

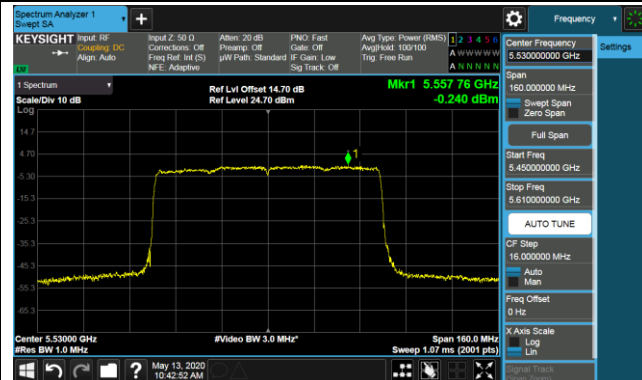


Channel 142 (5710MHz)

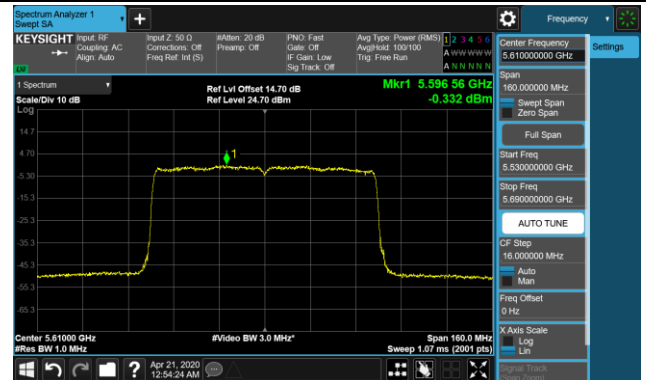


## 802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

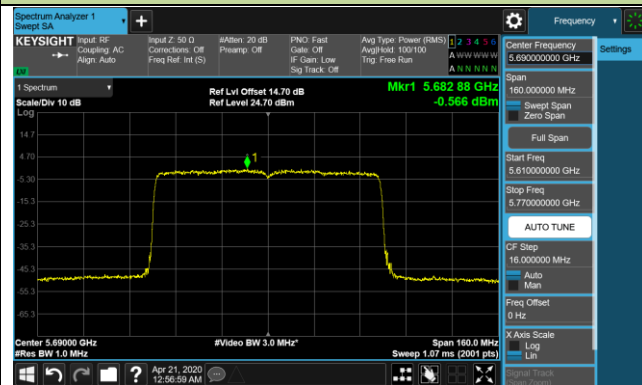
## Channel 106 (5530MHz)



## Channel 122 (5610MHz)



## Channel 138 (5690MHz)



## 802.11ax-HE160 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

## Channel 114 (5570MHz)



## 802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

Channel 100 (5500MHz)



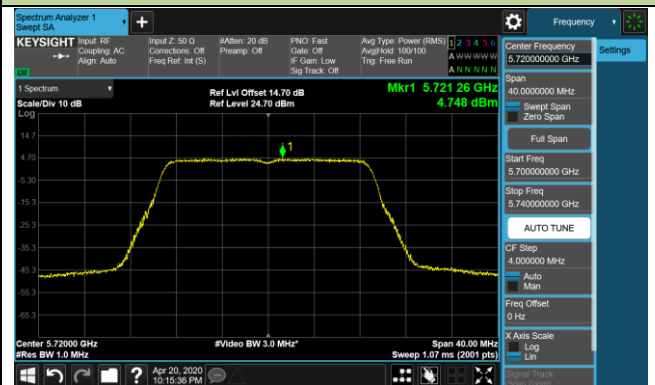
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

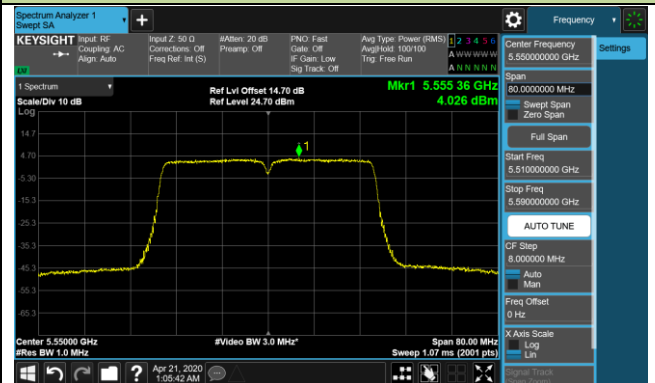


## 802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

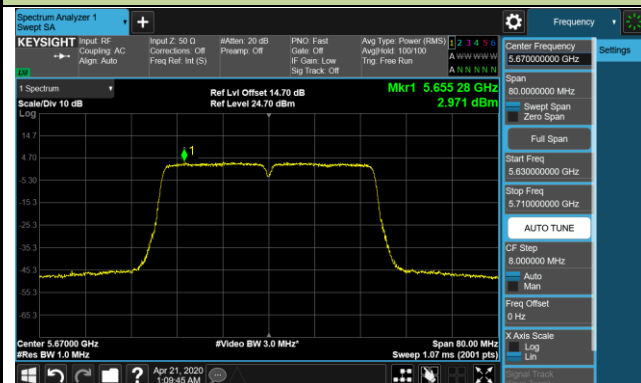
Channel 102 (5510MHz)



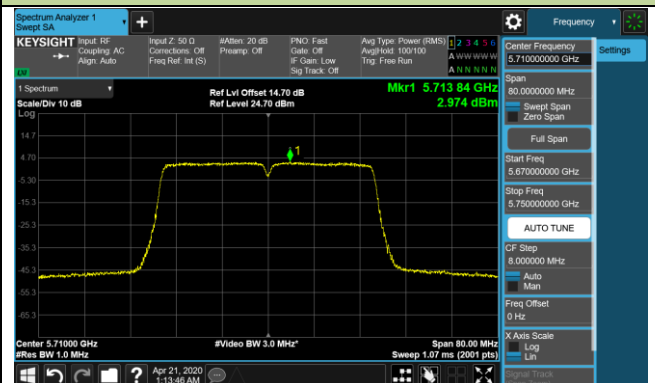
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

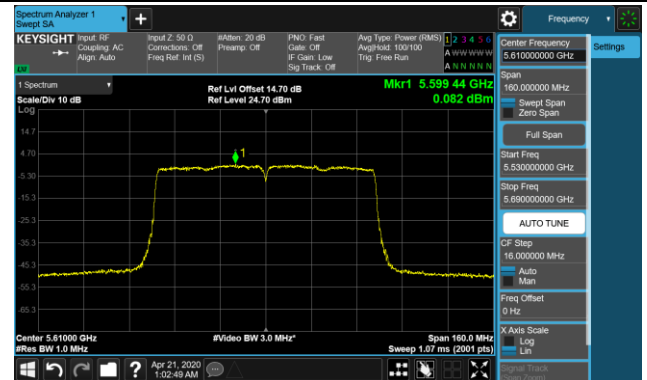


## 802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

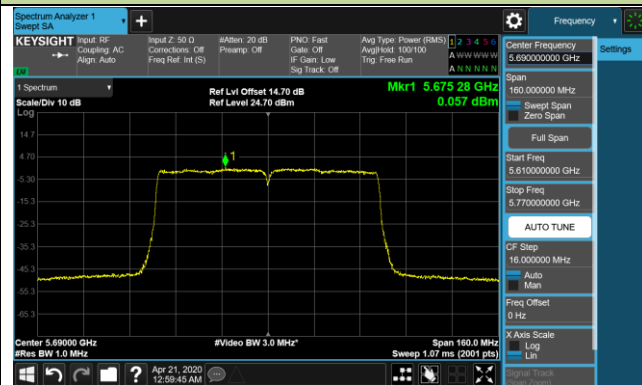
## Channel 106 (5530MHz)



## Channel 122 (5610MHz)



## Channel 138 (5690MHz)



## 802.11ac-VHT160 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

## Channel 114 (5570MHz)

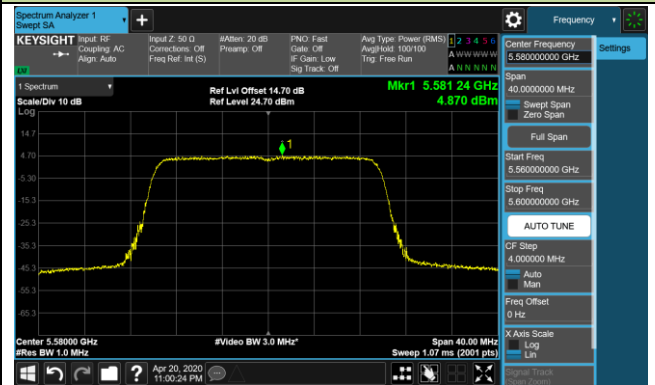


## 802.11ax-HE20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

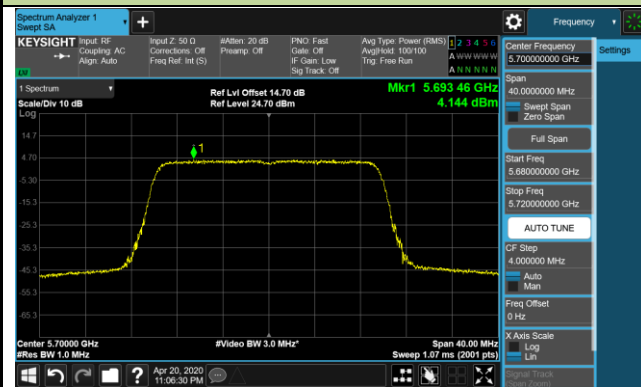
Channel 100 (5500MHz)



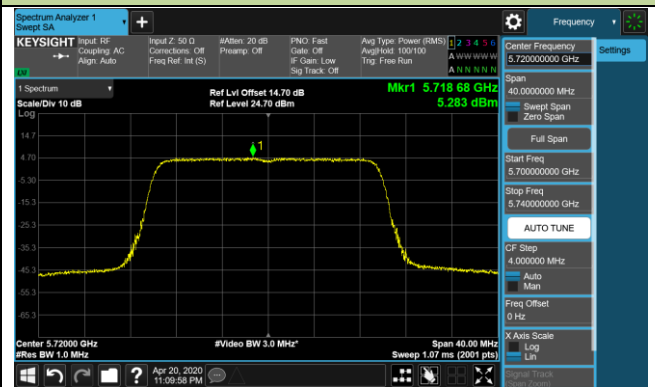
Channel 116 (5580MHz)



Channel 140 (5700MHz)

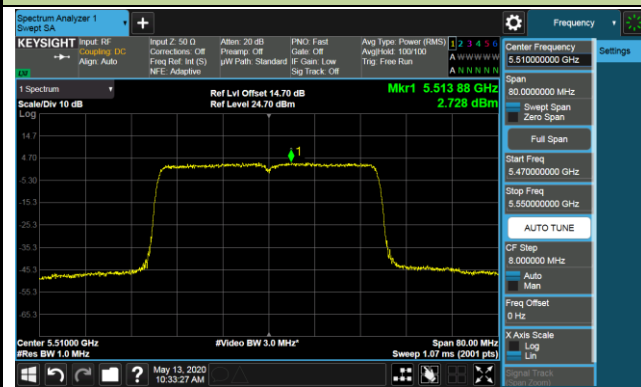


Channel 144 (5720MHz)

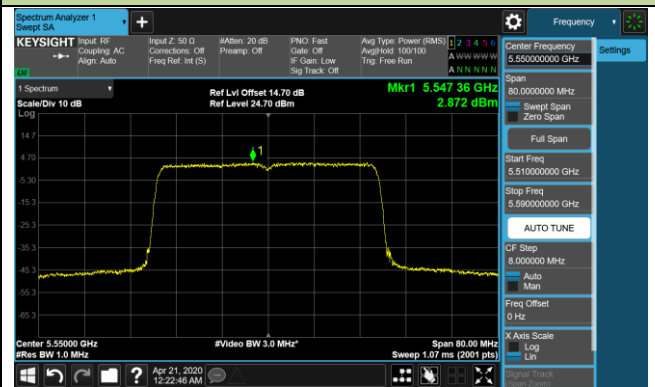


## 802.11ax-HE40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

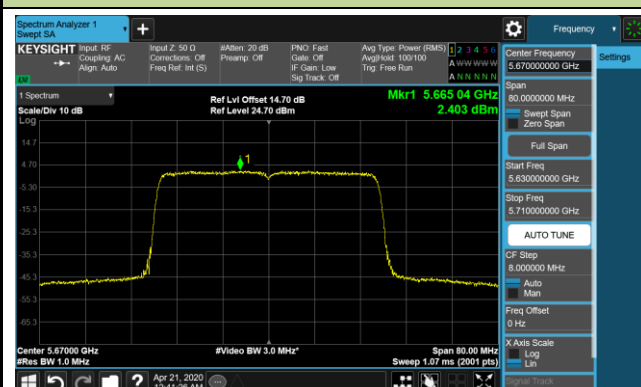
Channel 102 (5510MHz)



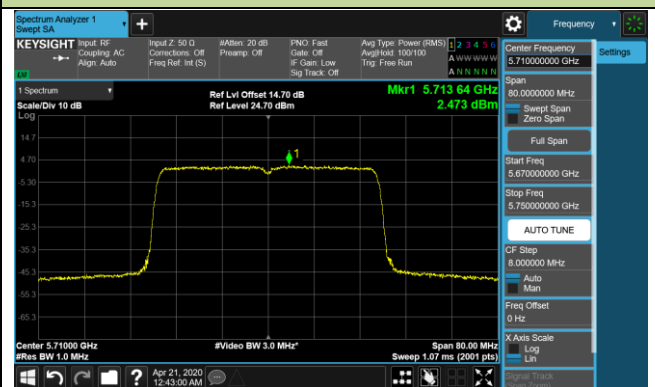
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

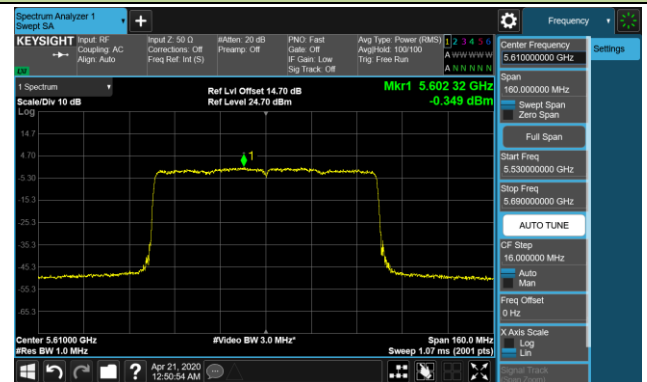


## 802.11ax-HE80 Power Spectral Density –Ant 2 / Ant 0 + 1 + 2 + 3

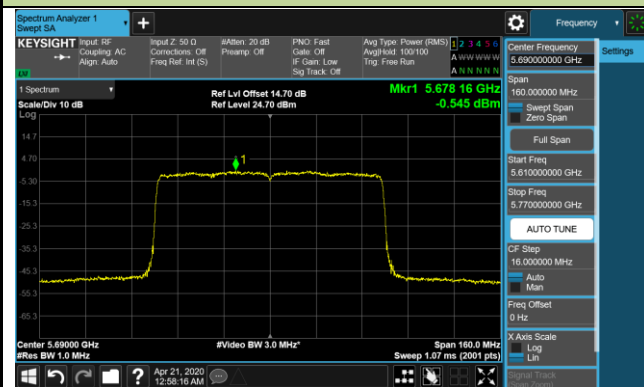
## Channel 106 (5530MHz)



## Channel 122 (5610MHz)



## Channel 138 (5690MHz)



## 802.11ax-HE160 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

## Channel 114 (5570MHz)

