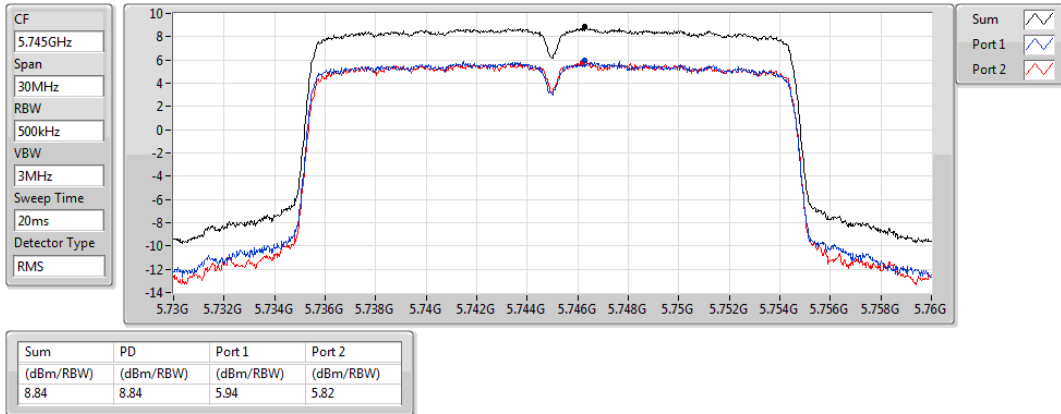


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5745MHz

28/01/2019

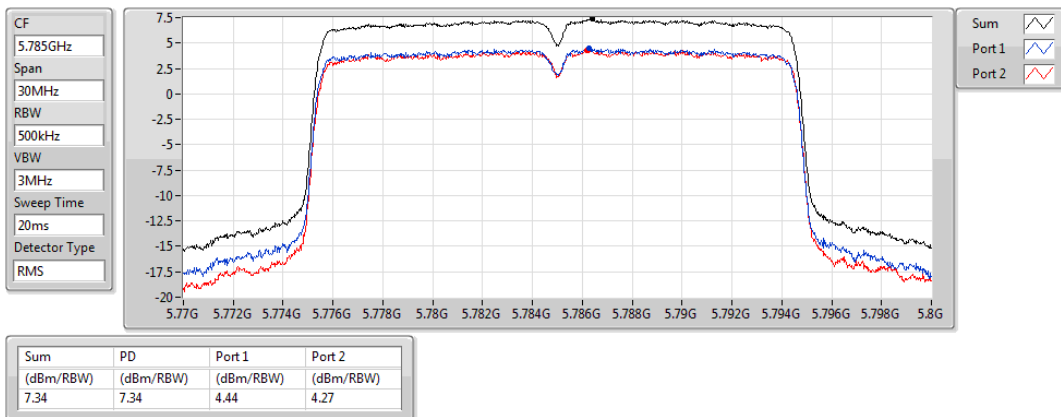


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5785MHz

28/01/2019

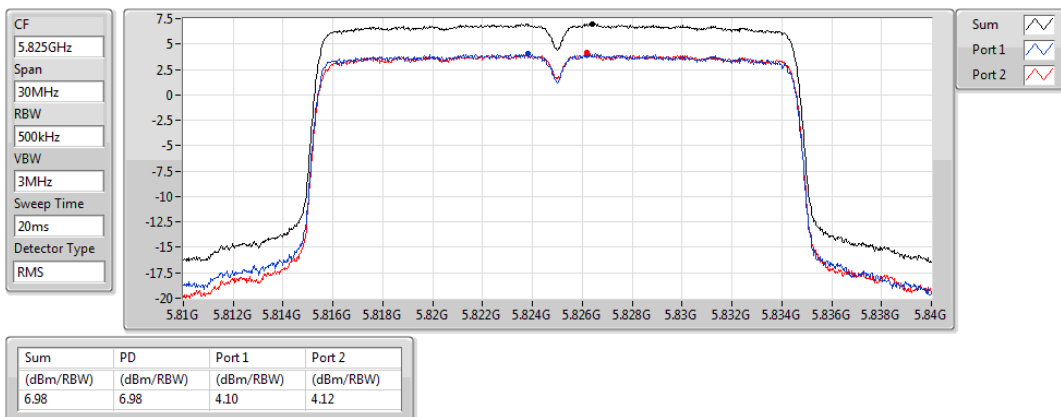


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5825MHz

28/01/2019



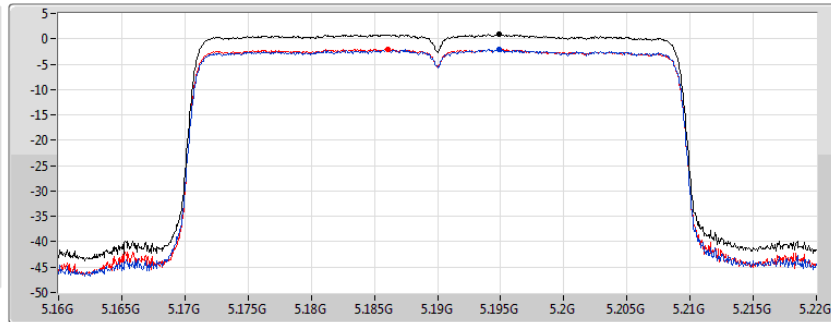
### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5190MHz

28/01/2019

CF  
5.19GHz  
Span  
60MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.85         | 0.85         | -2.10        | -1.99        |

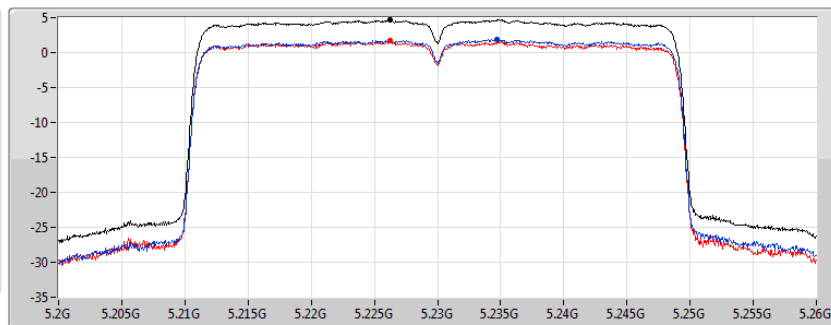
### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5230MHz

28/01/2019

CF  
5.23GHz  
Span  
60MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 4.68         | 4.68         | 1.86         | 1.65         |

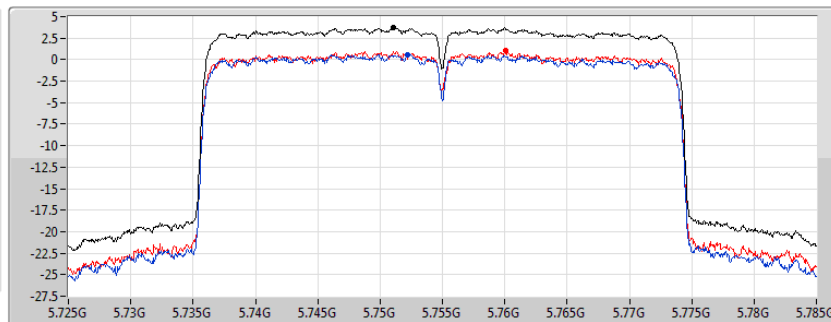
### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5755MHz

28/01/2019

CF  
5.755GHz  
Span  
60MHz  
RBW  
500kHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 3.70         | 3.70         | 0.60         | 1.01         |

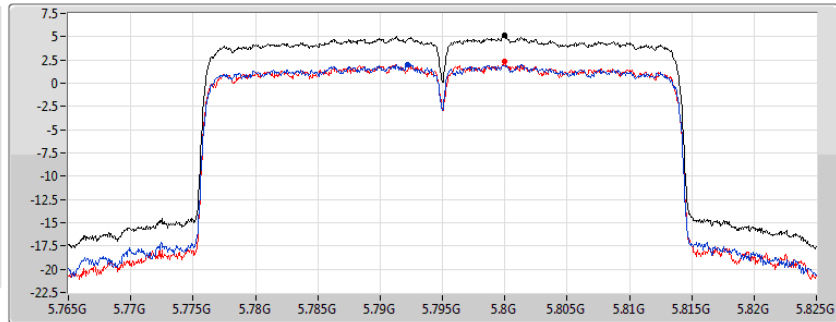
### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5795MHz

28/01/2019

CF  
5.795GHz  
Span  
60MHz  
RBW  
500kHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.11      | 5.11      | 2.05      | 2.35      |

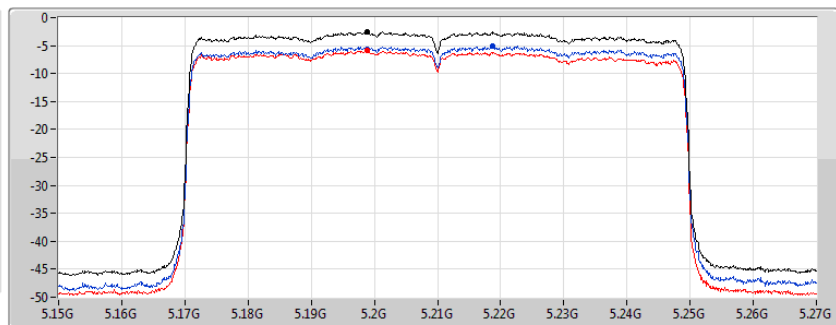
### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5210MHz

28/01/2019

CF  
5.21GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.49     | -2.49     | -5.02     | -5.81     |

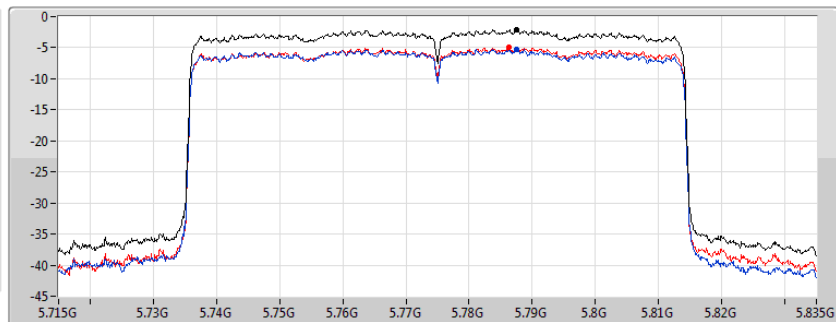
### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5775MHz

28/01/2019

CF  
5.775GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.08     | -2.08     | -5.21     | -4.97     |

**For Non-beamforming / 4T1S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 10.92           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 10.90           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 6.26            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -1.23           |
| 5.725-5.85GHz                  | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 12.29           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 11.36           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 6.94            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -0.13           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 12.02       | 1.23                | 0.50                | 0.83                | 0.58                | 6.68            | 10.98                 |
| 5200MHz                        | Pass   | 12.02       | 4.89                | 5.11                | 5.09                | 4.43                | 10.78           | 10.98                 |
| 5240MHz                        | Pass   | 12.02       | 5.29                | 4.90                | 5.21                | 4.61                | 10.92           | 10.98                 |
| 5745MHz                        | Pass   | 12.02       | 6.48                | 6.28                | 6.40                | 6.38                | 12.29           | 23.98                 |
| 5785MHz                        | Pass   | 12.02       | 5.54                | 5.56                | 5.69                | 5.95                | 11.52           | 23.98                 |
| 5825MHz                        | Pass   | 12.02       | 4.52                | 4.46                | 4.93                | 4.51                | 10.44           | 23.98                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 12.02       | 1.35                | 1.29                | 1.33                | 0.78                | 7.15            | 10.98                 |
| 5200MHz                        | Pass   | 12.02       | 4.97                | 4.97                | 5.18                | 4.83                | 10.90           | 10.98                 |
| 5240MHz                        | Pass   | 12.02       | 5.02                | 4.67                | 5.32                | 4.70                | 10.87           | 10.98                 |
| 5745MHz                        | Pass   | 12.02       | 5.51                | 5.41                | 5.30                | 5.51                | 11.36           | 23.98                 |
| 5785MHz                        | Pass   | 12.02       | 4.57                | 4.82                | 5.08                | 5.09                | 10.79           | 23.98                 |
| 5825MHz                        | Pass   | 12.02       | 4.03                | 4.12                | 4.34                | 4.01                | 9.99            | 23.98                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 12.02       | -3.59               | -4.10               | -3.85               | -4.37               | 1.97            | 10.98                 |
| 5230MHz                        | Pass   | 12.02       | 0.44                | 0.18                | 0.50                | 0.25                | 6.26            | 10.98                 |
| 5755MHz                        | Pass   | 12.02       | -0.29               | -0.31               | -0.01               | 0.23                | 5.81            | 23.98                 |
| 5795MHz                        | Pass   | 12.02       | 0.88                | 1.18                | 1.13                | 1.14                | 6.94            | 23.98                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 12.02       | -6.83               | -7.46               | -6.77               | -7.56               | -1.23           | 10.98                 |
| 5775MHz                        | Pass   | 12.02       | -6.21               | -5.93               | -5.84               | -6.11               | -0.13           | 23.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

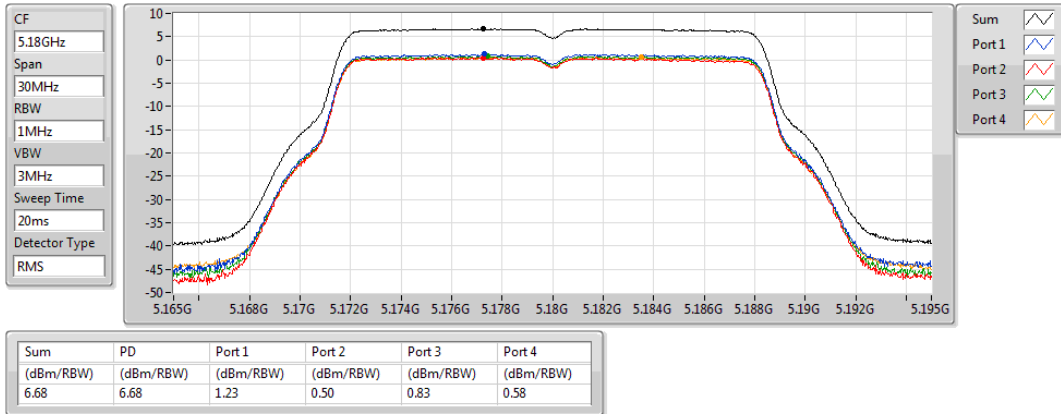
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

28/01/2019

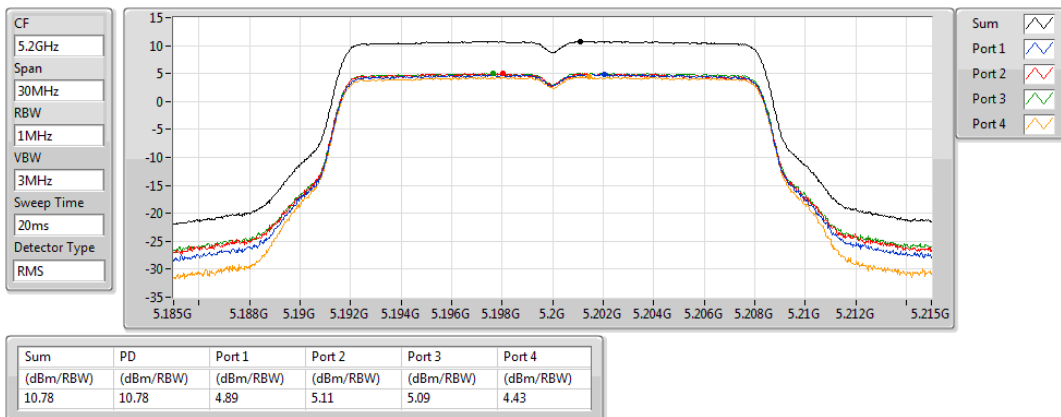


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5200MHz

28/01/2019

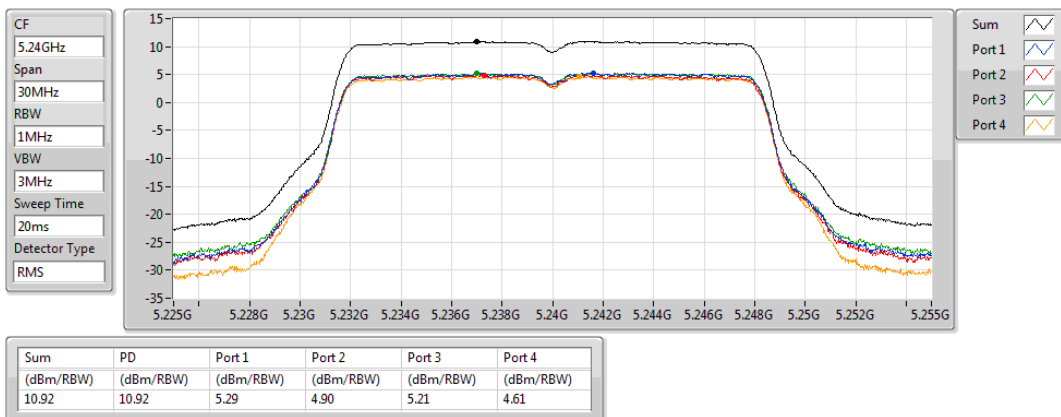


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5240MHz

28/01/2019

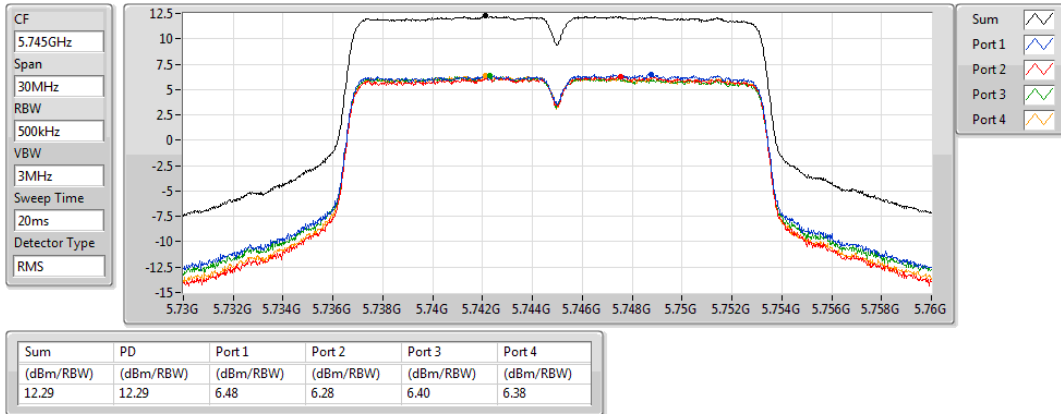


### 802.11a\_Nss1,(6Mbps)\_4TX

5745MHz

PSD

28/01/2019

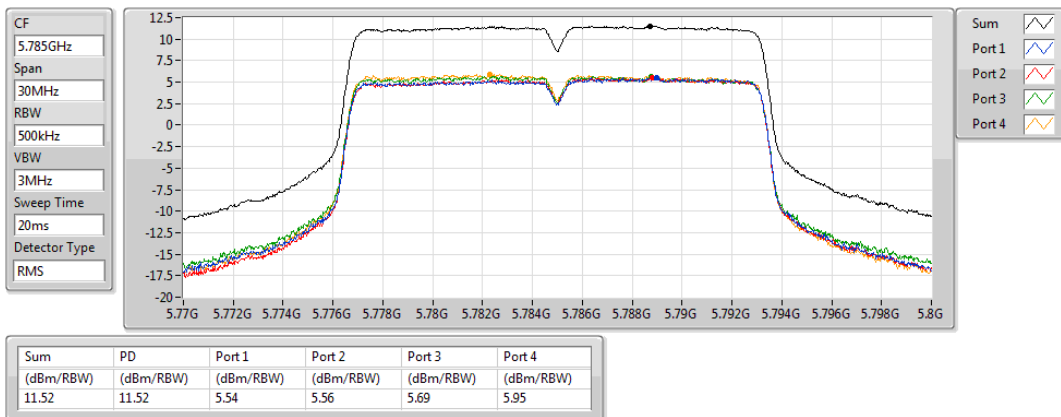


### 802.11a\_Nss1,(6Mbps)\_4TX

5785MHz

PSD

28/01/2019

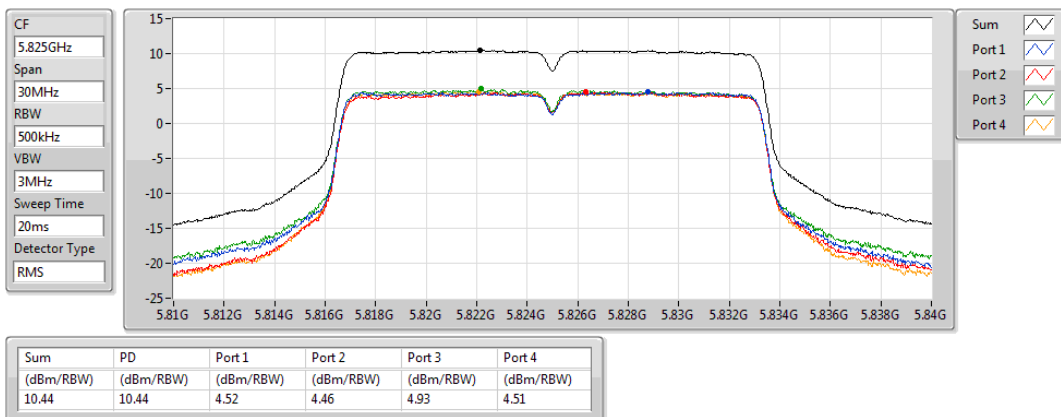


### 802.11a\_Nss1,(6Mbps)\_4TX

5825MHz

PSD

28/01/2019

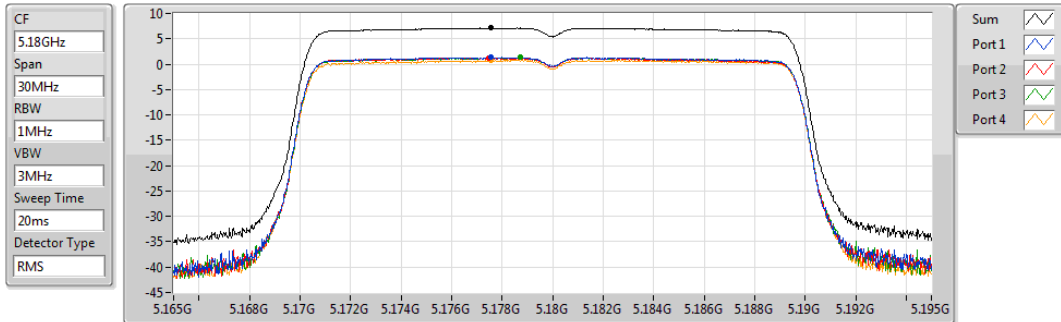


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

28/01/2019



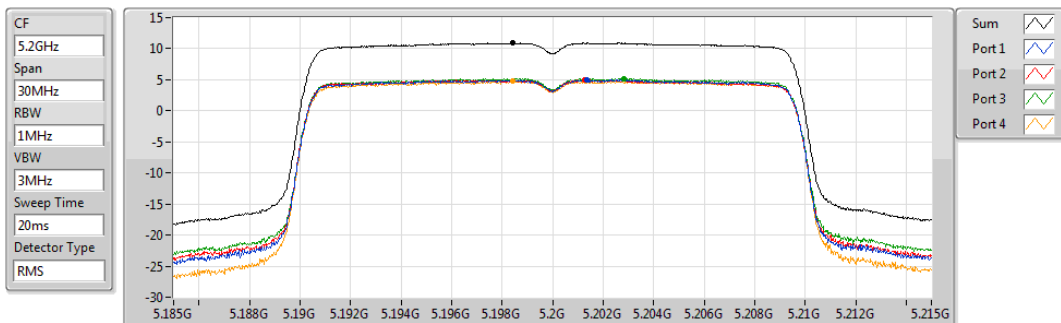
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.15     | 7.15     | 1.35     | 1.29     | 1.33     | 0.78     |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

28/01/2019



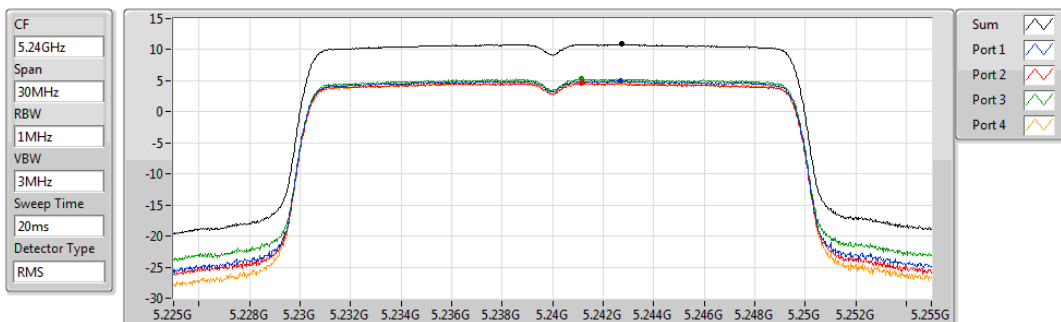
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.90    | 10.90    | 4.97     | 4.97     | 5.18     | 4.83     |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

28/01/2019



| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.87    | 10.87    | 5.02     | 4.67     | 5.32     | 4.70     |

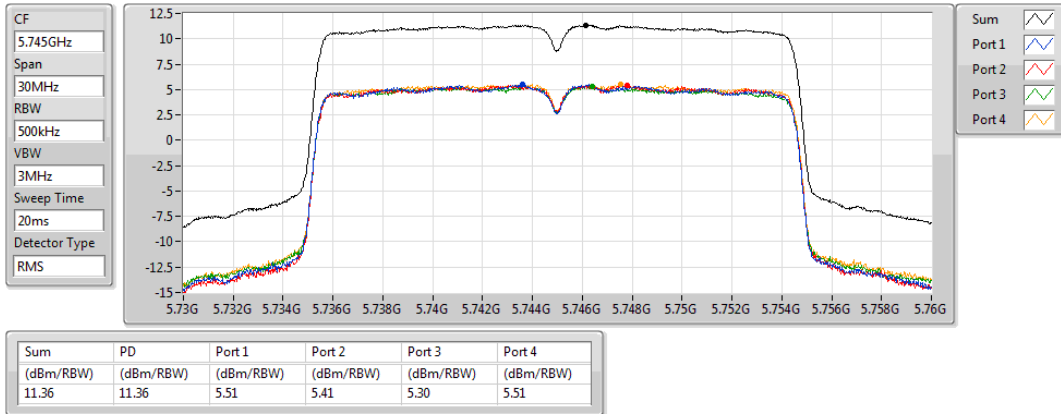


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5745MHz

28/01/2019

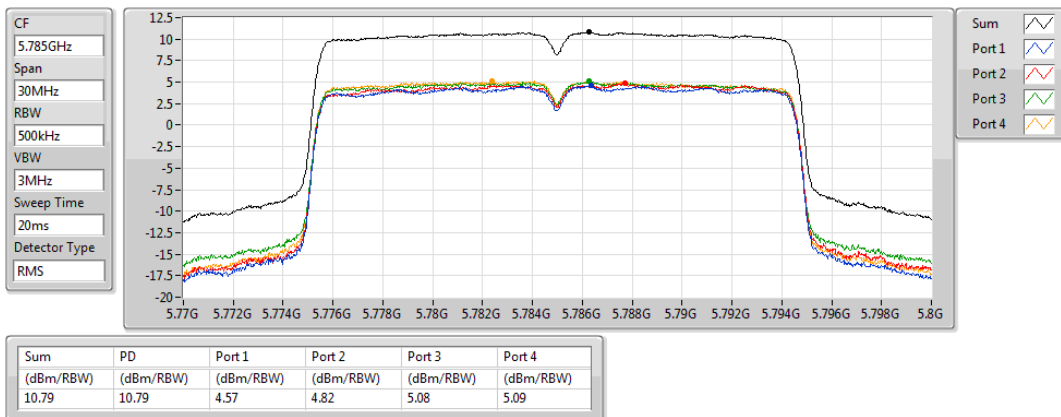


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5785MHz

28/01/2019

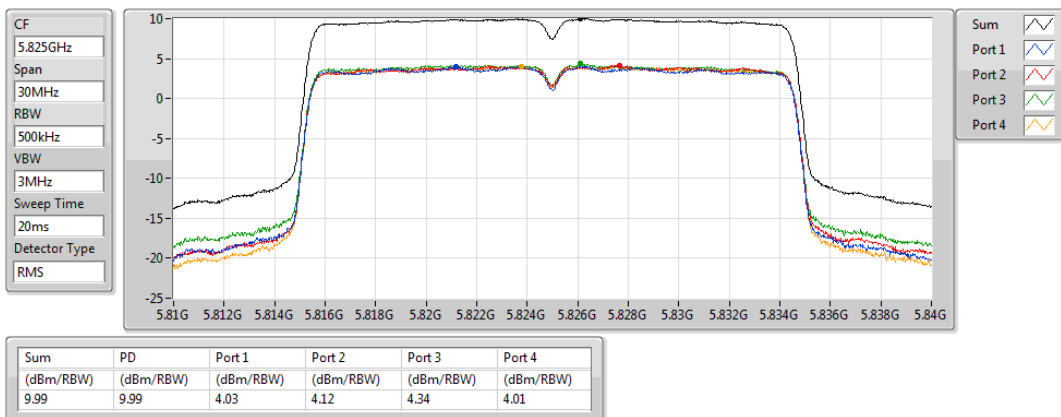


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5825MHz

28/01/2019

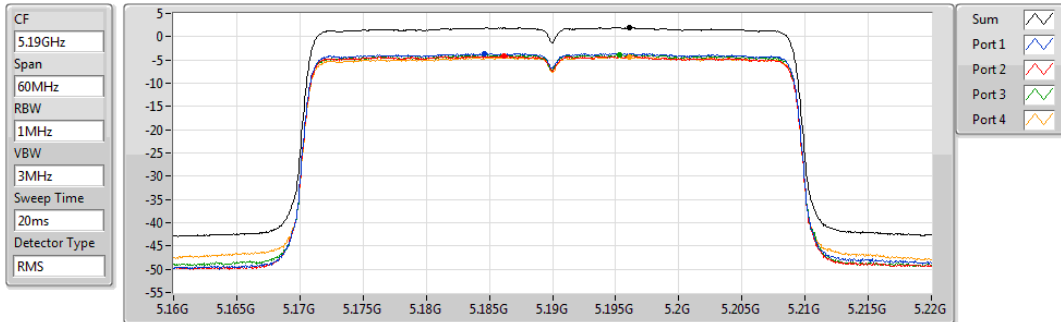


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

28/01/2019



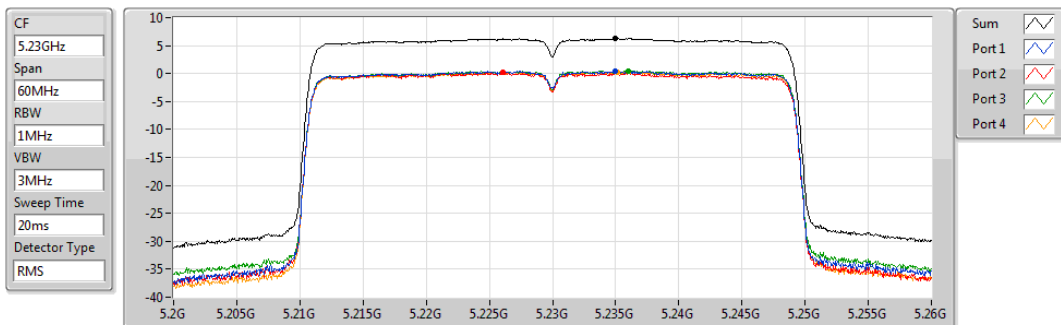
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.97      | 1.97      | -3.59     | -4.10     | -3.85     | -4.37     |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

28/01/2019



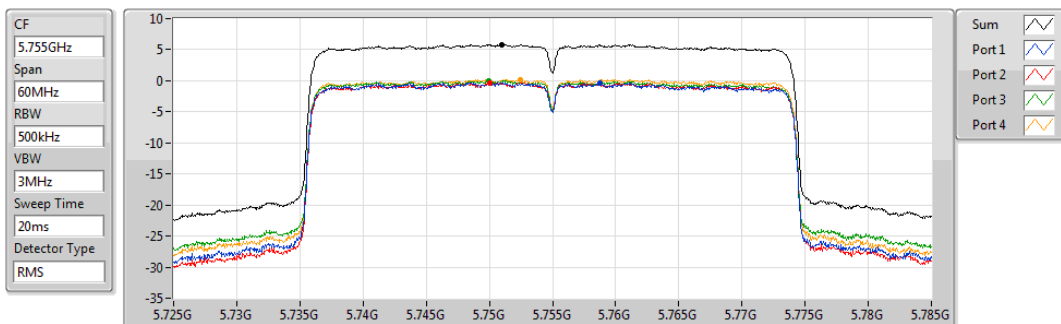
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.26      | 6.26      | 0.44      | 0.18      | 0.50      | 0.25      |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5755MHz

28/01/2019



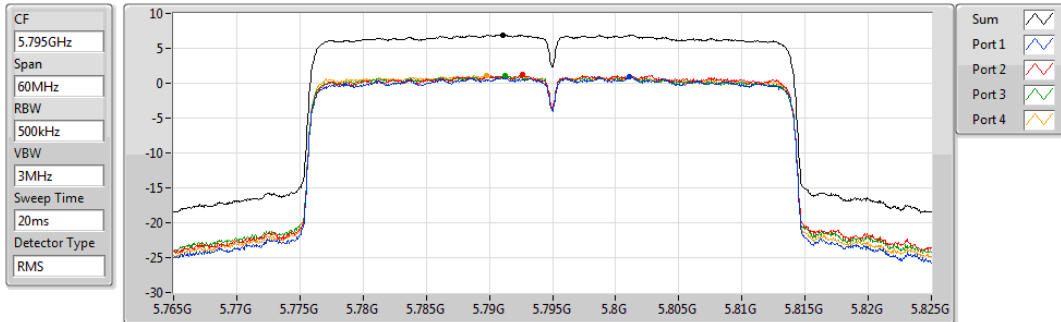
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.81      | 5.81      | -0.29     | -0.31     | -0.01     | 0.23      |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5795MHz

28/01/2019



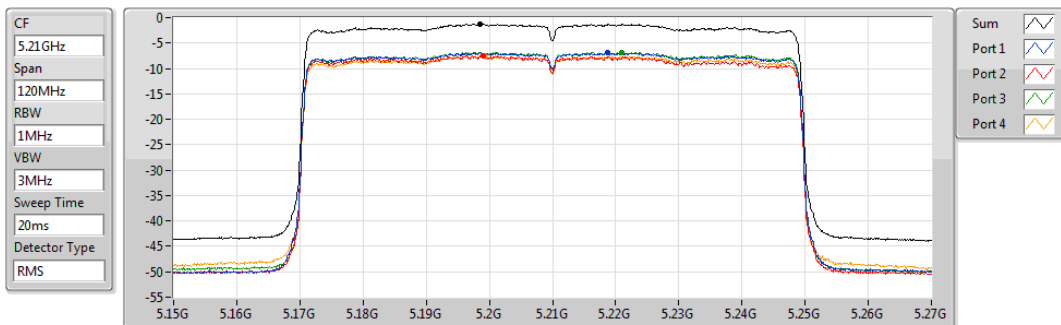
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.94      | 6.94      | 0.88      | 1.18      | 1.13      | 1.14      |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

28/01/2019



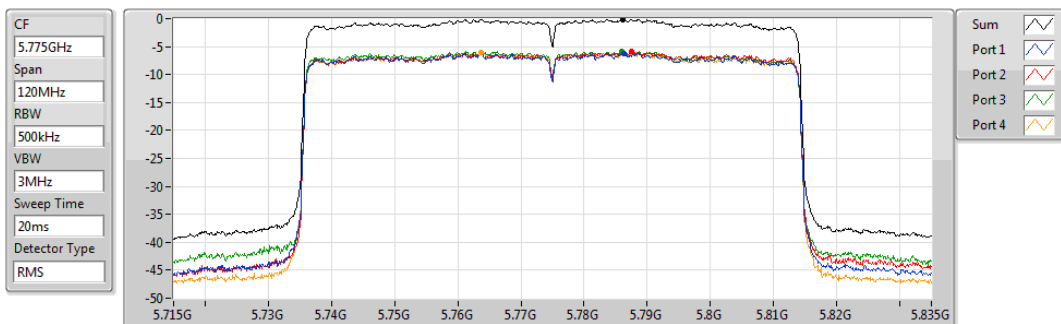
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.23     | -1.23     | -6.83     | -7.46     | -6.77     | -7.56     |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5775MHz

28/01/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.13     | -0.13     | -6.21     | -5.93     | -5.84     | -6.11     |



## PSD Result\_Radio 1

## Appendix D.9

### For Beamforming / 4T1S mode Summary

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 5.15-5.25GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 10.96           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 7.92            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.06            |
| 5.725-5.85GHz                     | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 9.86            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 7.01            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.44            |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                           | Pass   | 12.02       | 1.01                | 1.32                | 2.21                | 0.77                | 7.27            | 10.98                 |
| 5200MHz                           | Pass   | 12.02       | 4.97                | 5.20                | 5.49                | 4.41                | 10.96           | 10.98                 |
| 5240MHz                           | Pass   | 12.02       | 4.94                | 4.68                | 5.37                | 4.62                | 10.84           | 10.98                 |
| 5745MHz                           | Pass   | 12.02       | 3.50                | 4.07                | 3.82                | 4.20                | 9.82            | 23.98                 |
| 5785MHz                           | Pass   | 12.02       | 3.97                | 4.09                | 3.75                | 3.85                | 9.86            | 23.98                 |
| 5825MHz                           | Pass   | 12.02       | 3.68                | 4.10                | 3.92                | 3.97                | 9.78            | 23.98                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                           | Pass   | 12.02       | -3.05               | -2.96               | -2.96               | -3.60               | 2.75            | 10.98                 |
| 5230MHz                           | Pass   | 12.02       | 1.78                | 2.15                | 2.29                | 1.75                | 7.92            | 10.98                 |
| 5755MHz                           | Pass   | 12.02       | -0.04               | 0.76                | 0.37                | 0.99                | 6.48            | 23.98                 |
| 5795MHz                           | Pass   | 12.02       | 0.67                | 1.61                | 0.48                | 1.54                | 7.01            | 23.98                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                           | Pass   | 12.02       | -5.71               | -5.75               | -5.97               | -5.96               | 0.06            | 10.98                 |
| 5775MHz                           | Pass   | 12.02       | -5.88               | -5.07               | -5.53               | -5.68               | 0.44            | 23.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

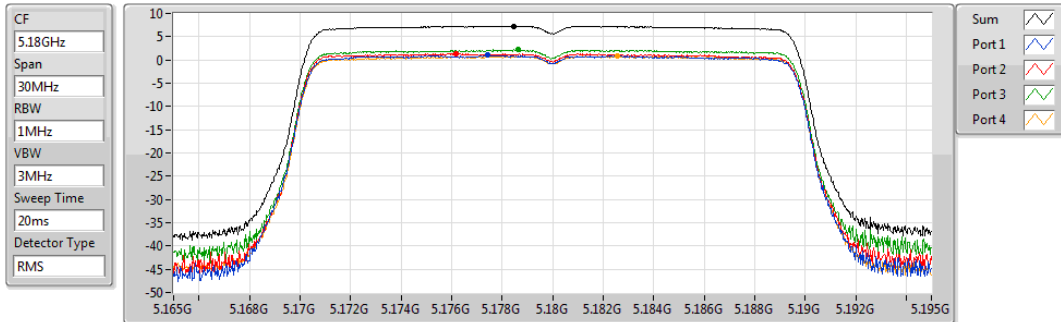
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

25/01/2019



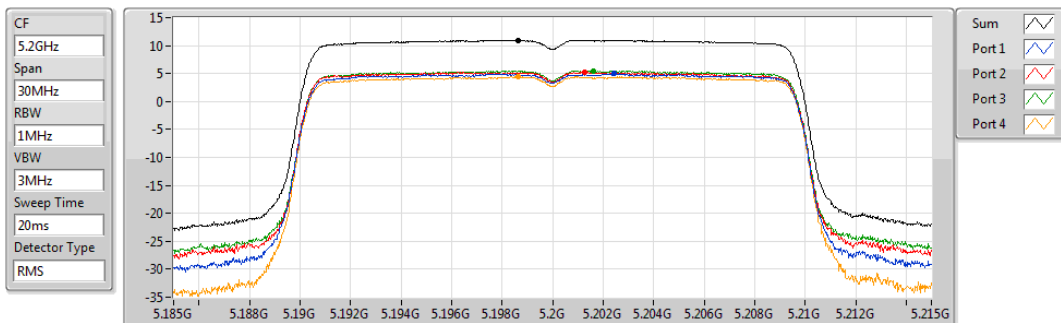
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.27      | 7.27      | 1.01      | 1.32      | 2.21      | 0.77      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

25/01/2019



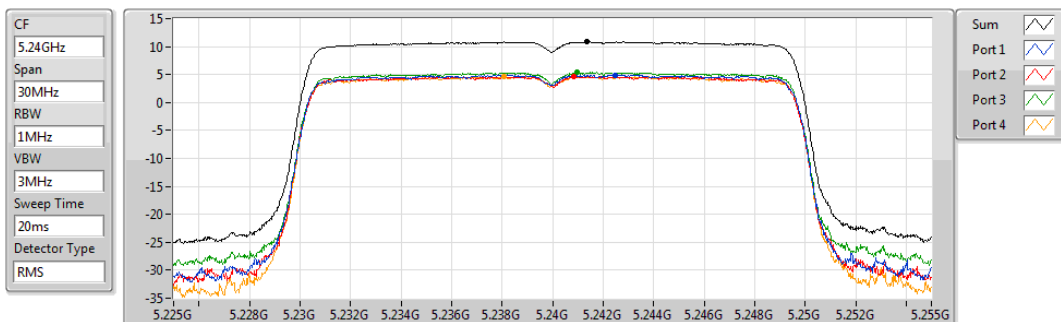
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.96     | 10.96     | 4.97      | 5.20      | 5.49      | 4.41      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

25/01/2019



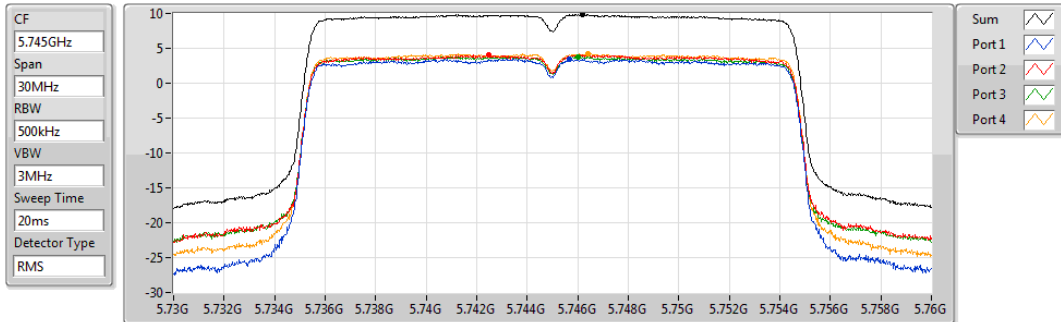
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.84     | 10.84     | 4.94      | 4.68      | 5.37      | 4.62      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5745MHz

25/01/2019



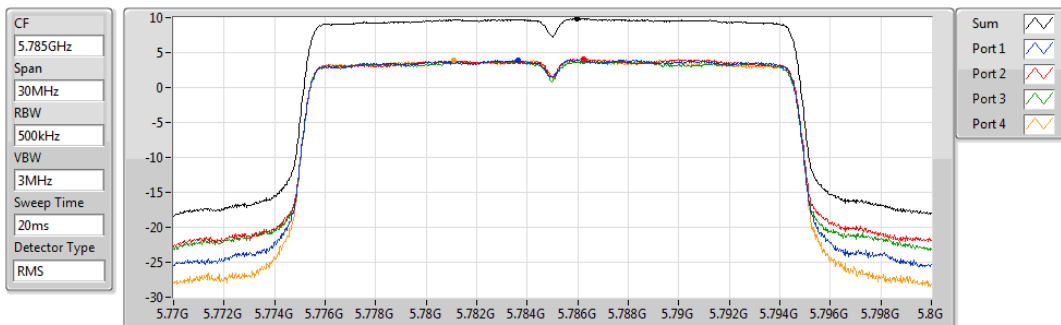
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.82      | 9.82      | 3.50      | 4.07      | 3.82      | 4.20      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5785MHz

25/01/2019



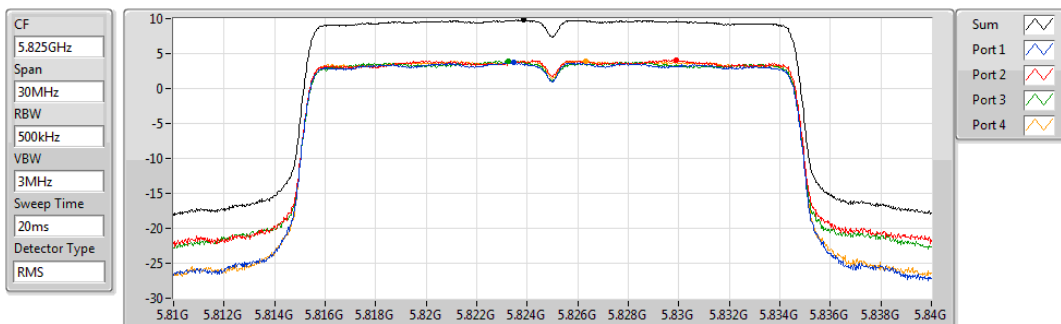
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.86      | 9.86      | 3.97      | 4.09      | 3.75      | 3.85      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5825MHz

25/01/2019



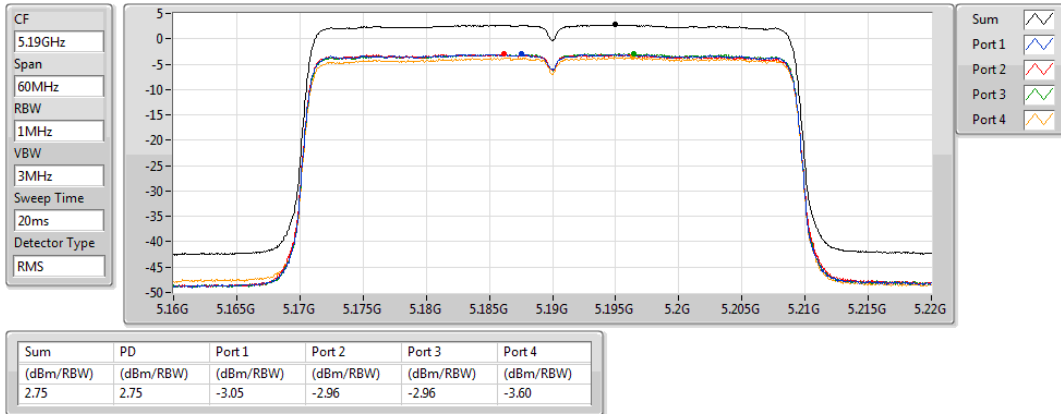
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.78      | 9.78      | 3.68      | 4.10      | 3.92      | 3.97      |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

25/01/2019

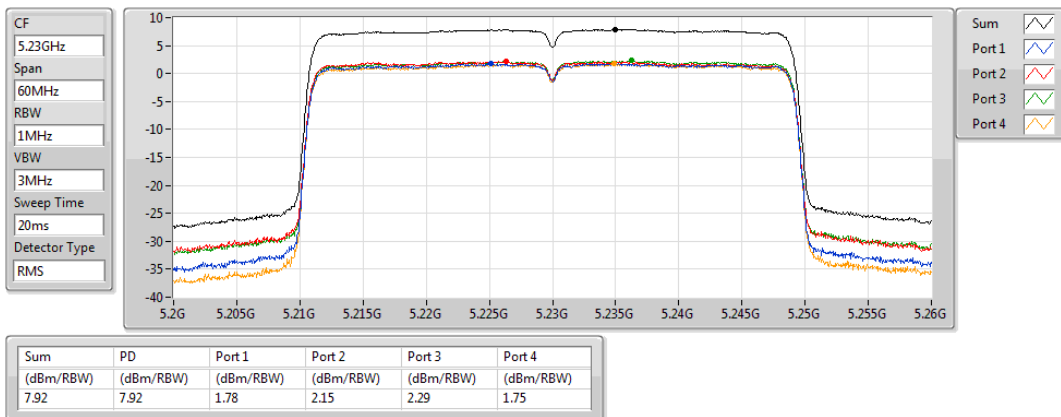


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

25/01/2019

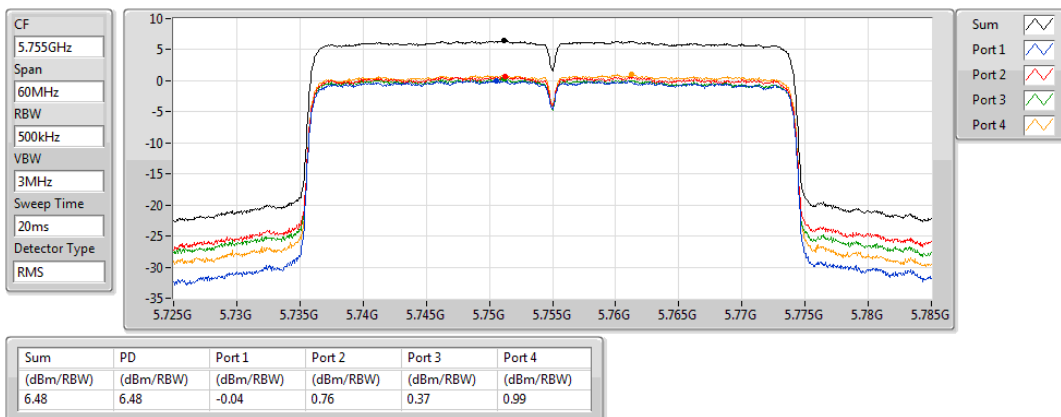


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5755MHz

25/01/2019



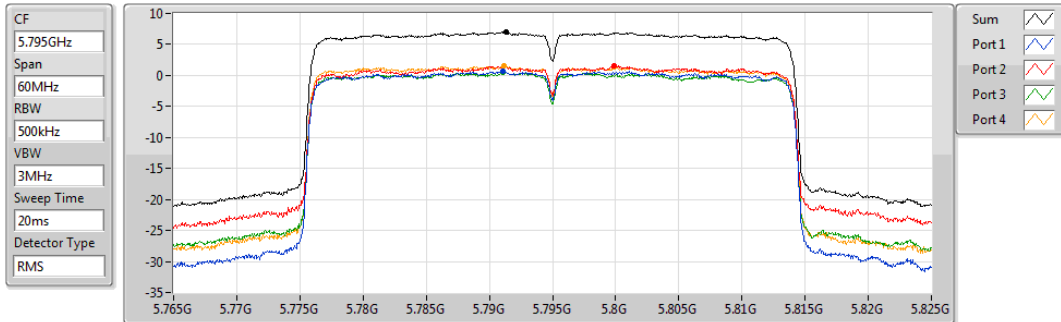


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5795MHz

25/01/2019



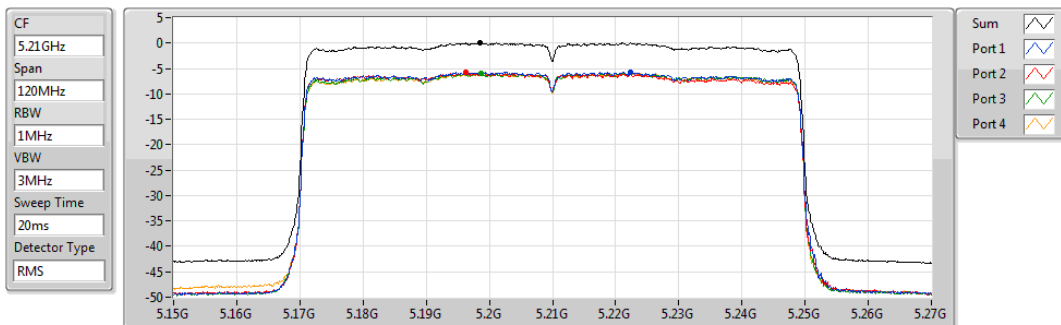
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.01      | 7.01      | 0.67      | 1.61      | 0.48      | 1.54      |

### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

25/01/2019



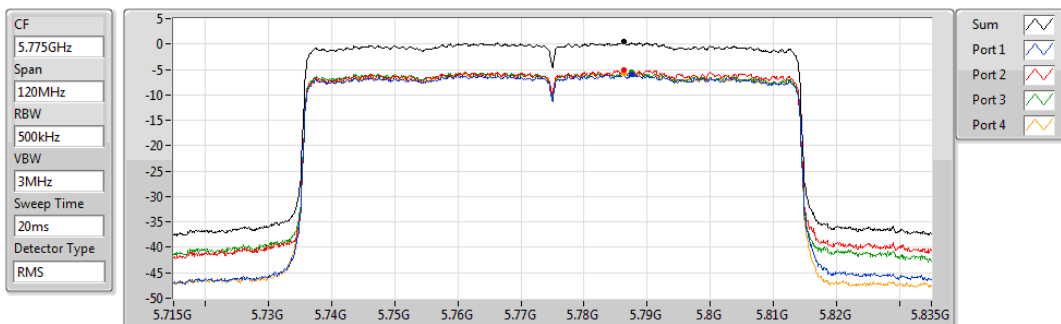
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.06      | 0.06      | -5.71     | -5.75     | -5.97     | -5.96     |

### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5775MHz

25/01/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.44      | 0.44      | -5.88     | -5.07     | -5.53     | -5.68     |

**For Non-beamforming / 4T4S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 13.07           |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 5.68            |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -3.48           |
| 5.725-5.85GHz                  | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 12.24           |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 7.28            |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 0.83            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 6.00        | 1.26                | 1.00                | 1.68                | 0.76                | 7.08            | 17.00                 |
| 5200MHz                        | Pass   | 6.00        | 4.98                | 4.59                | 5.05                | 4.36                | 10.63           | 17.00                 |
| 5240MHz                        | Pass   | 6.00        | 7.40                | 7.11                | 7.36                | 6.99                | 13.07           | 17.00                 |
| 5745MHz                        | Pass   | 6.00        | 6.38                | 6.38                | 6.27                | 6.43                | 12.24           | 30.00                 |
| 5785MHz                        | Pass   | 6.00        | 5.14                | 4.78                | 5.14                | 5.24                | 10.95           | 30.00                 |
| 5825MHz                        | Pass   | 6.00        | 4.35                | 4.46                | 4.32                | 4.29                | 10.18           | 30.00                 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 6.00        | -3.49               | -4.33               | -3.50               | -4.45               | 1.98            | 17.00                 |
| 5230MHz                        | Pass   | 6.00        | -0.04               | -0.41               | 0.05                | -0.30               | 5.68            | 17.00                 |
| 5755MHz                        | Pass   | 6.00        | 0.34                | 0.18                | 0.60                | 0.83                | 6.40            | 30.00                 |
| 5795MHz                        | Pass   | 6.00        | 1.37                | 1.28                | 1.37                | 1.65                | 7.28            | 30.00                 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 6.00        | -9.00               | -9.63               | -9.19               | -9.80               | -3.48           | 17.00                 |
| 5775MHz                        | Pass   | 6.00        | -5.19               | -4.62               | -4.91               | -5.25               | 0.83            | 30.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

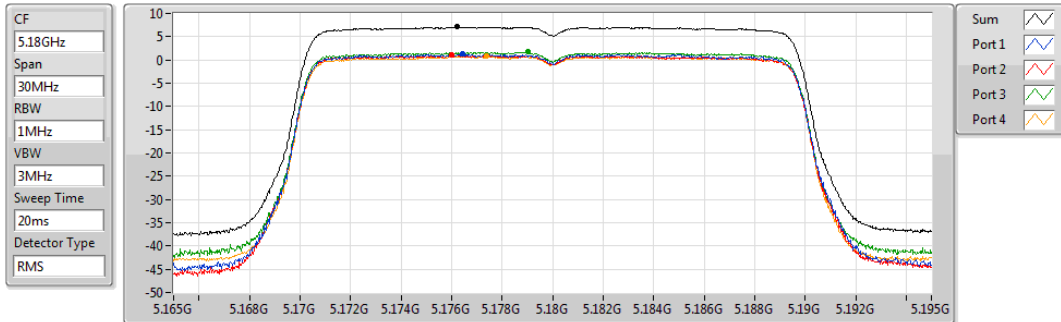
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5180MHz

28/01/2019



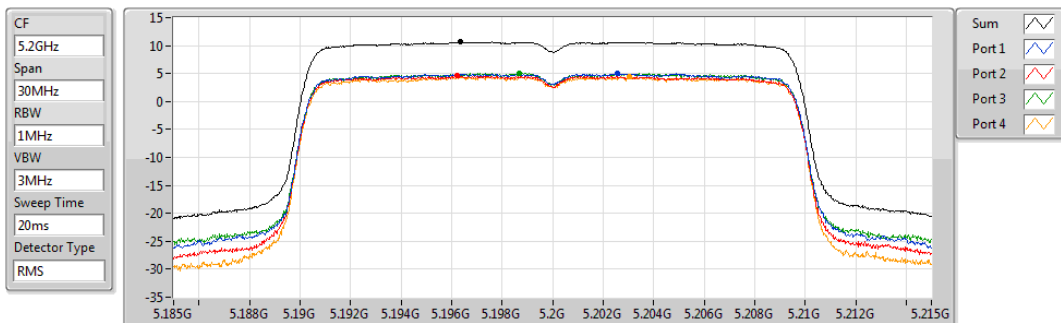
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.08      | 7.08      | 1.26      | 1.00      | 1.68      | 0.76      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5200MHz

28/01/2019



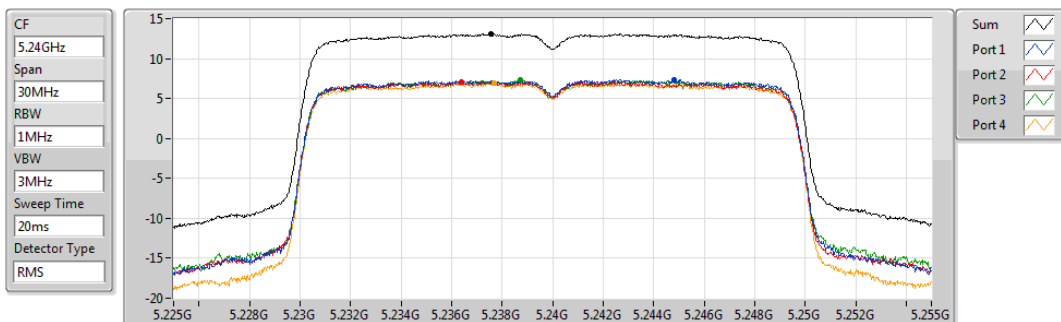
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.63     | 10.63     | 4.98      | 4.59      | 5.05      | 4.36      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5240MHz

28/01/2019



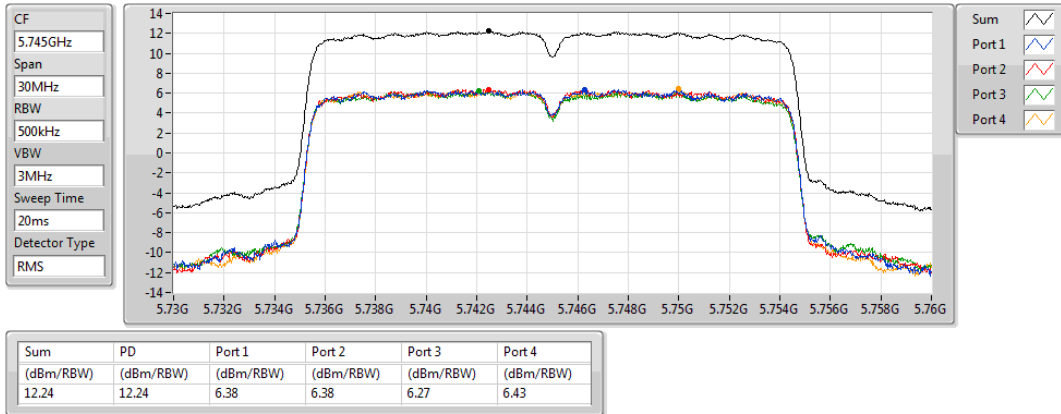
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.07     | 13.07     | 7.40      | 7.11      | 7.36      | 6.99      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5745MHz

28/01/2019

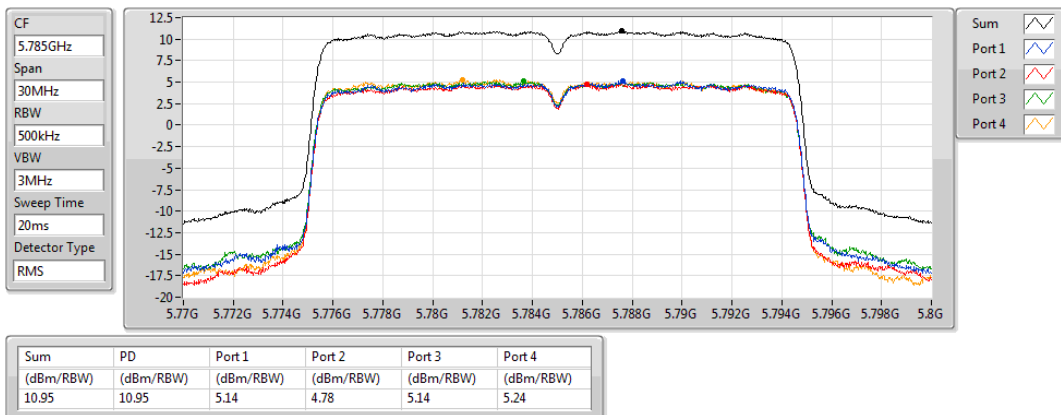


### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5785MHz

28/01/2019

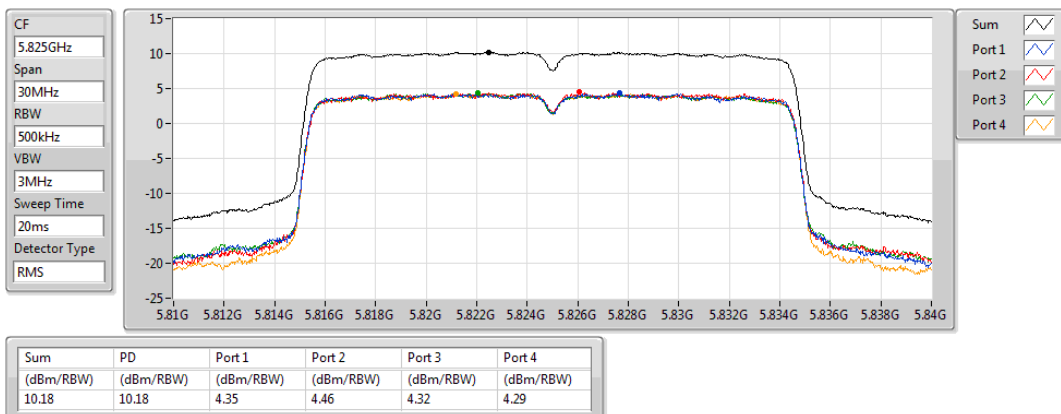


### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5825MHz

28/01/2019

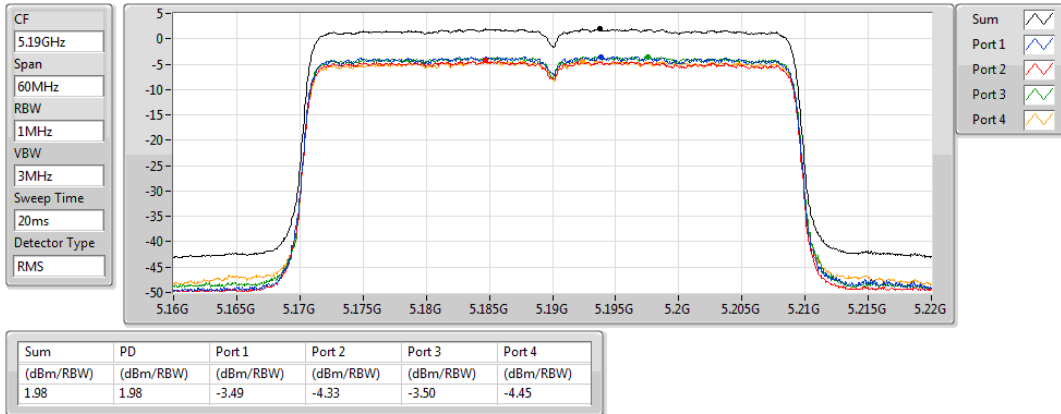


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5190MHz

28/01/2019

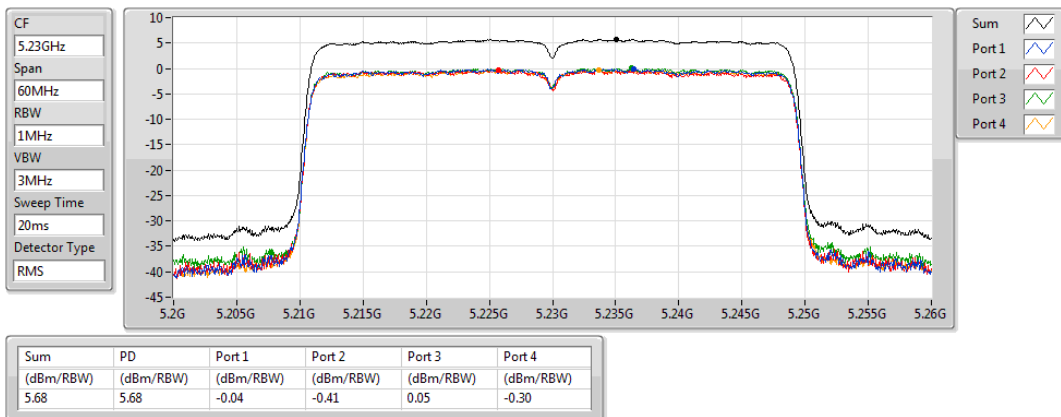


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5230MHz

28/01/2019

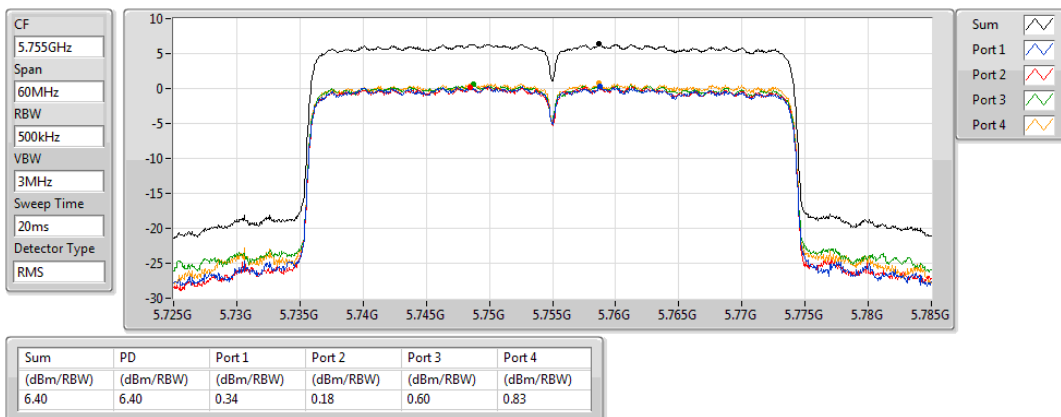


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5755MHz

28/01/2019

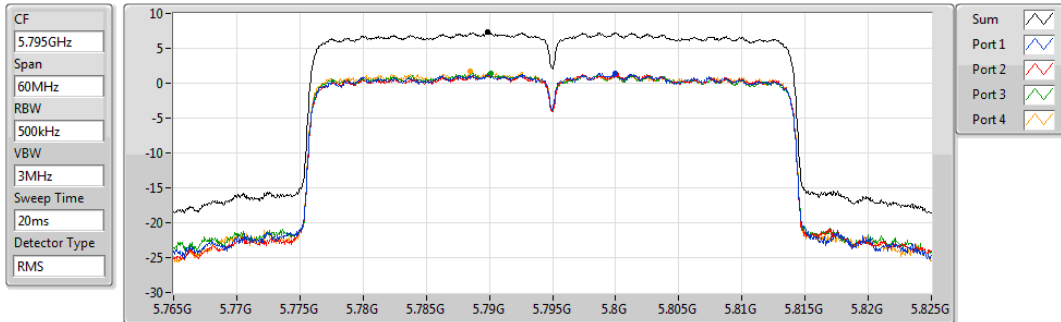


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5795MHz

28/01/2019



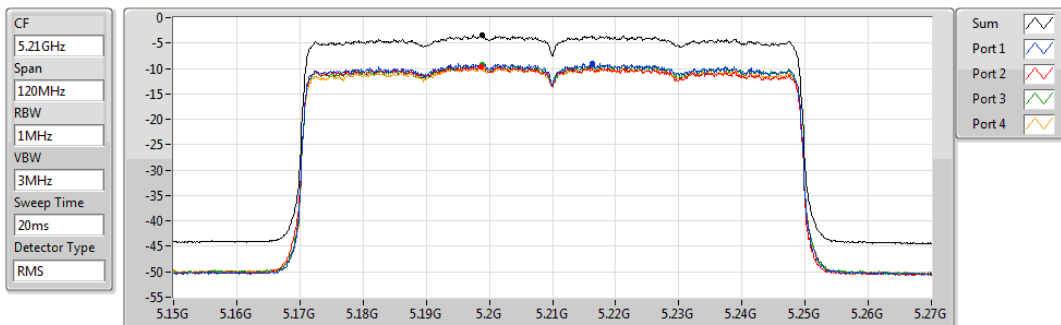
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.28      | 7.28      | 1.37      | 1.28      | 1.37      | 1.65      |

### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5210MHz

28/01/2019



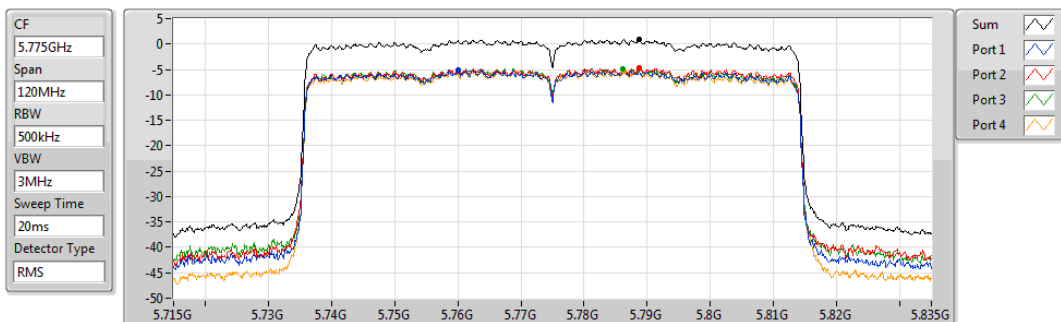
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.48     | -3.48     | -9.00     | -9.63     | -9.19     | -9.80     |

### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5775MHz

28/01/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.83      | 0.83      | -5.19     | -4.62     | -4.91     | -5.25     |

**Mode 3: (Ant. 11 Panel antenna / 8.7 dBi)**  
**For Non-beamforming / 1T1S mode**  
**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | 7.67            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 6.90            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 2.72            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -4.38           |
| 5.725-5.85GHz                  | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | 5.51            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 5.56            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 3.05            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -2.03           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | 4.56                | 4.56            | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | 7.67                | 7.67            | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | 7.46                | 7.46            | 14.30                 |
| 5745MHz                        | Pass   | 8.70        | 5.51                | 5.51            | 27.30                 |
| 5785MHz                        | Pass   | 8.70        | 4.83                | 4.83            | 27.30                 |
| 5825MHz                        | Pass   | 8.70        | 4.17                | 4.17            | 27.30                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | 3.51                | 3.51            | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | 6.90                | 6.90            | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | 6.37                | 6.37            | 14.30                 |
| 5745MHz                        | Pass   | 8.70        | 5.56                | 5.56            | 27.30                 |
| 5785MHz                        | Pass   | 8.70        | 4.39                | 4.39            | 27.30                 |
| 5825MHz                        | Pass   | 8.70        | 4.56                | 4.56            | 27.30                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5190MHz                        | Pass   | 8.70        | -1.36               | -1.36           | 14.30                 |
| 5230MHz                        | Pass   | 8.70        | 2.72                | 2.72            | 14.30                 |
| 5755MHz                        | Pass   | 8.70        | 3.05                | 3.05            | 27.30                 |
| 5795MHz                        | Pass   | 8.70        | 2.88                | 2.88            | 27.30                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5210MHz                        | Pass   | 8.70        | -4.38               | -4.38           | 14.30                 |
| 5775MHz                        | Pass   | 8.70        | -2.03               | -2.03           | 27.30                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

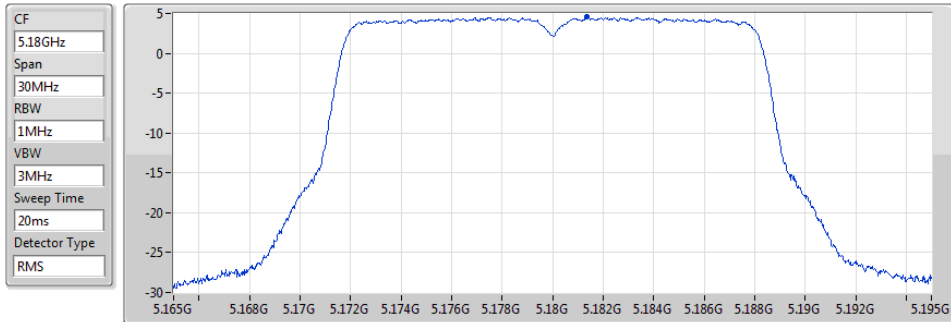
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5180MHz

11/02/2019



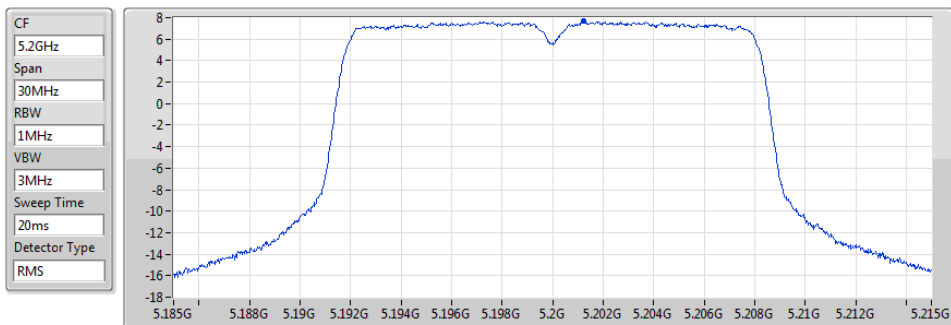
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.56     | 4.56     | 4.56     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5200MHz

11/02/2019



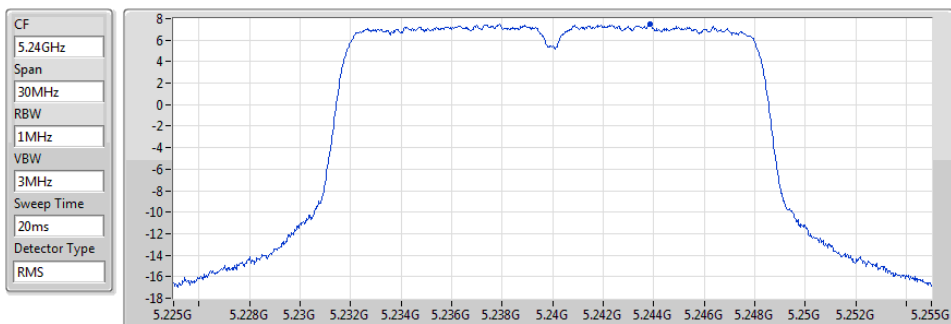
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.67     | 7.67     | 7.67     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5240MHz

11/02/2019



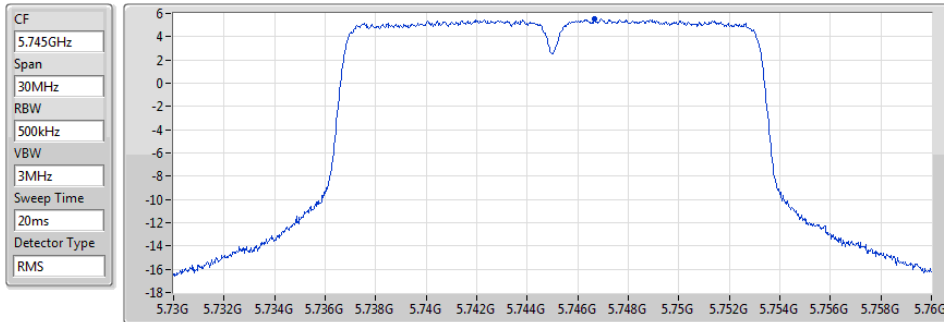
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.46     | 7.46     | 7.46     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5745MHz

11/02/2019



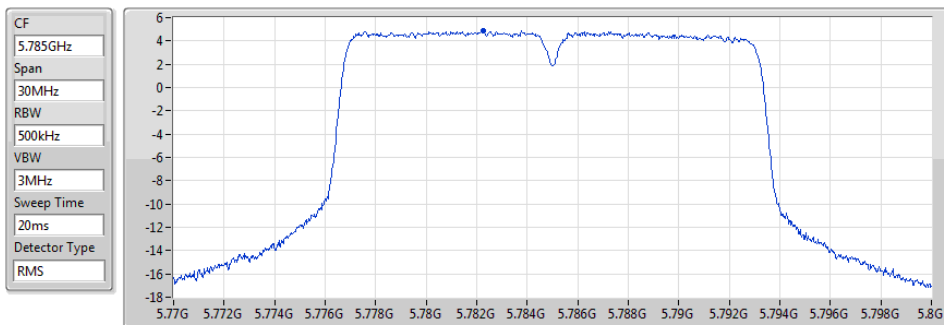
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.51      | 5.51      | 5.51      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5785MHz

11/02/2019



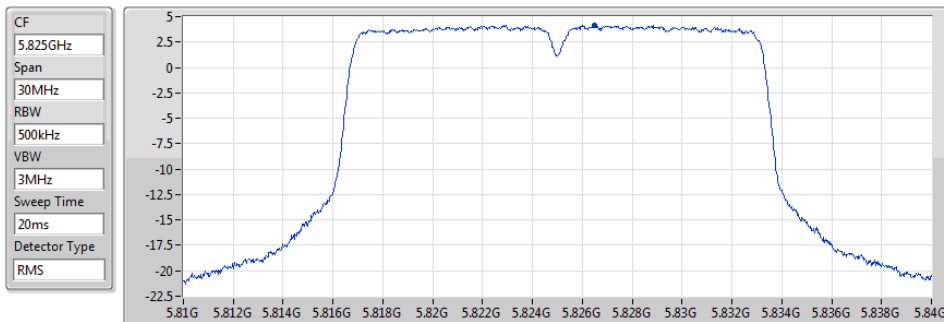
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.83      | 4.83      | 4.83      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5825MHz

11/02/2019



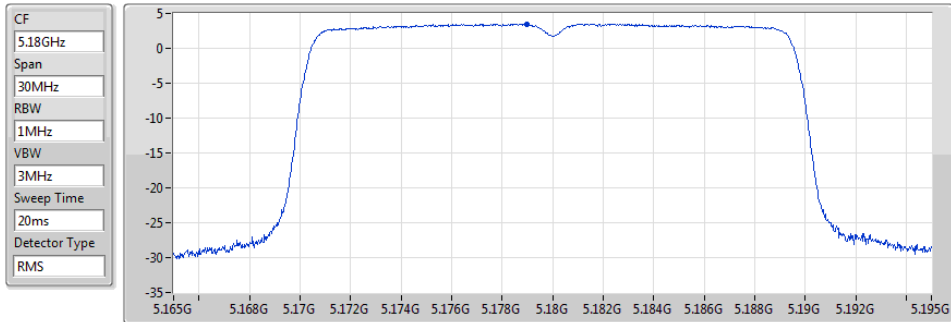
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.17      | 4.17      | 4.17      |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5180MHz

11/02/2019

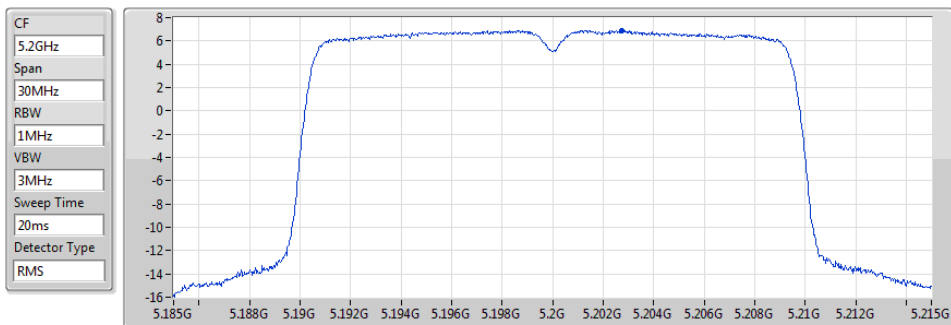


### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5200MHz

11/02/2019

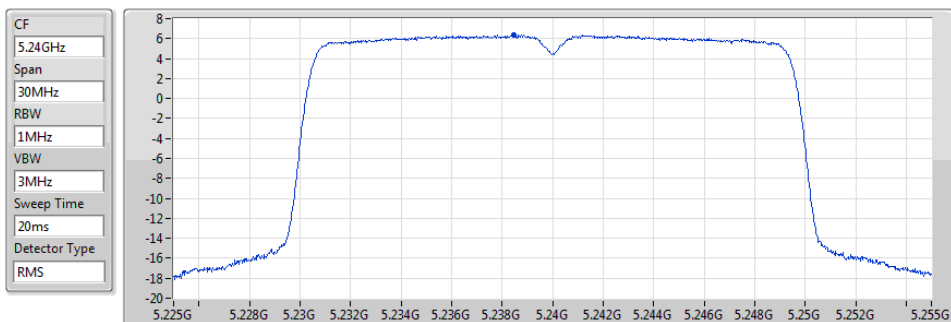


### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5240MHz

11/02/2019

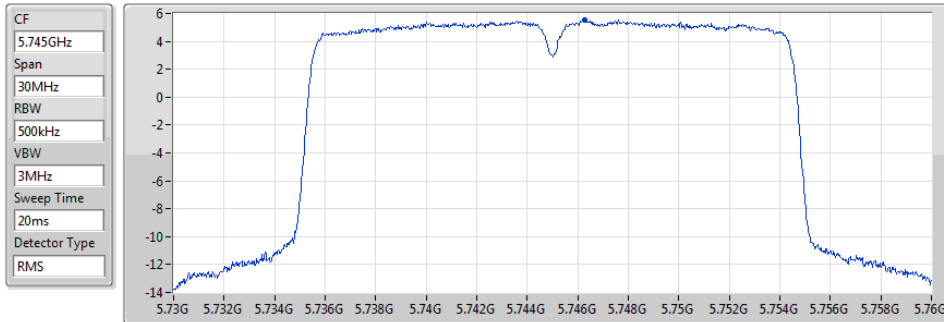


### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5745MHz

11/02/2019



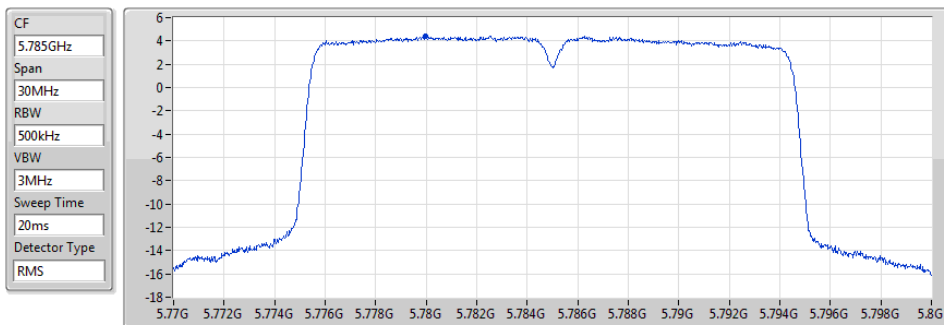
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.56     | 5.56     | 5.56     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5785MHz

11/02/2019



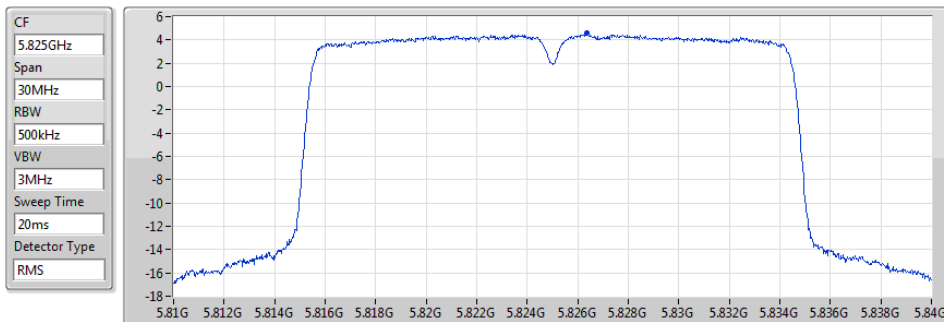
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.39     | 4.39     | 4.39     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5825MHz

11/02/2019



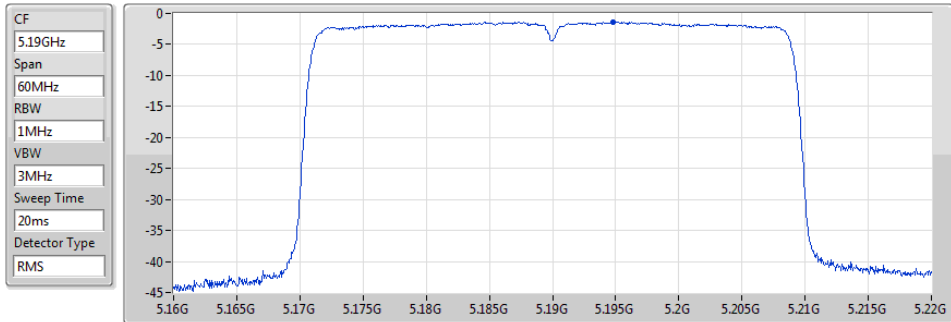
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.56     | 4.56     | 4.56     |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5190MHz

11/02/2019



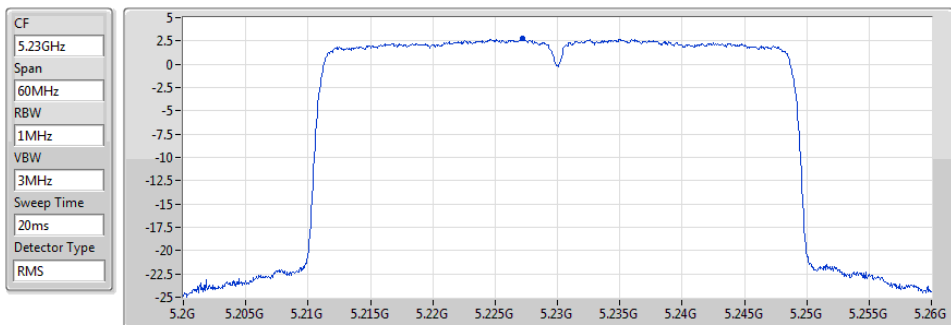
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -1.36    | -1.36    | -1.36    |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5230MHz

11/02/2019



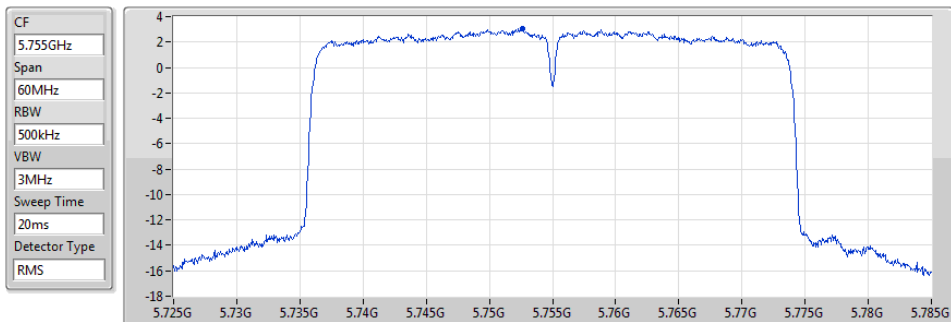
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.72     | 2.72     | 2.72     |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5755MHz

11/02/2019



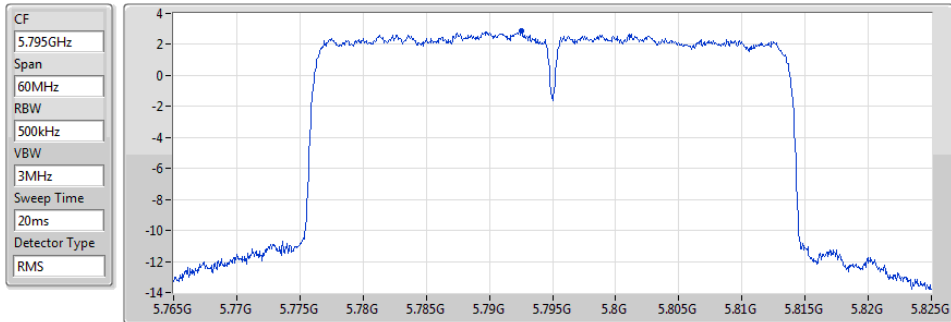
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.05     | 3.05     | 3.05     |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5795MHz

11/02/2019



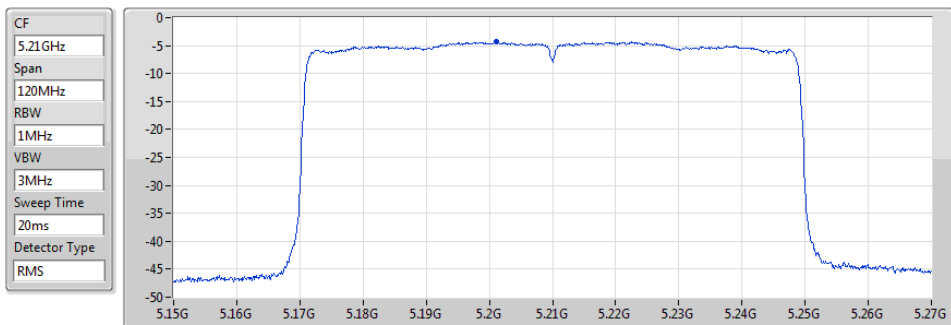
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.88     | 2.88     | 2.88     |

### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5210MHz

11/02/2019



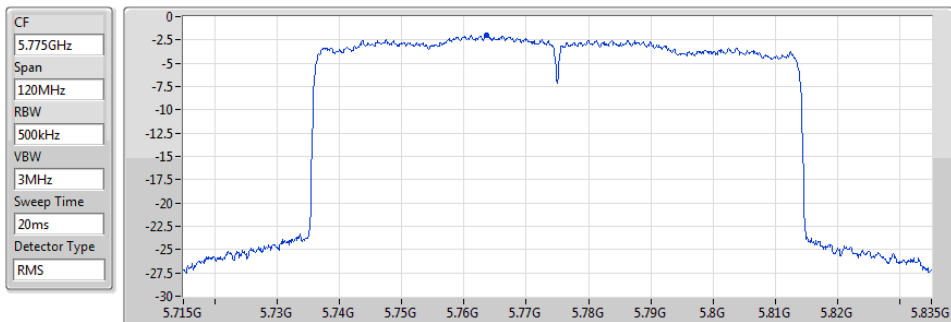
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.38    | -4.38    | -4.38    |

### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5775MHz

11/02/2019



| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -2.03    | -2.03    | -2.03    |

**For Non-beamforming / 2T2S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | 9.44            |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | 5.29            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -1.72           |
| 5.725-5.85GHz                  | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | 8.69            |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | 5.72            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -0.27           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | 2.21                | 2.28                | 5.22            | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | 6.18                | 5.78                | 8.93            | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | 6.61                | 6.34                | 9.44            | 14.30                 |
| 5745MHz                        | Pass   | 8.70        | 5.69                | 5.81                | 8.69            | 27.30                 |
| 5785MHz                        | Pass   | 8.70        | 4.55                | 5.06                | 7.75            | 27.30                 |
| 5825MHz                        | Pass   | 8.70        | 4.53                | 5.05                | 7.72            | 27.30                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 8.70        | -1.16               | -1.80               | 1.45            | 14.30                 |
| 5230MHz                        | Pass   | 8.70        | 2.61                | 2.06                | 5.29            | 14.30                 |
| 5755MHz                        | Pass   | 8.70        | 2.22                | 2.67                | 5.39            | 27.30                 |
| 5795MHz                        | Pass   | 8.70        | 2.59                | 2.86                | 5.72            | 27.30                 |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 8.70        | -4.41               | -4.90               | -1.72           | 14.30                 |
| 5775MHz                        | Pass   | 8.70        | -3.39               | -2.96               | -0.27           | 27.30                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

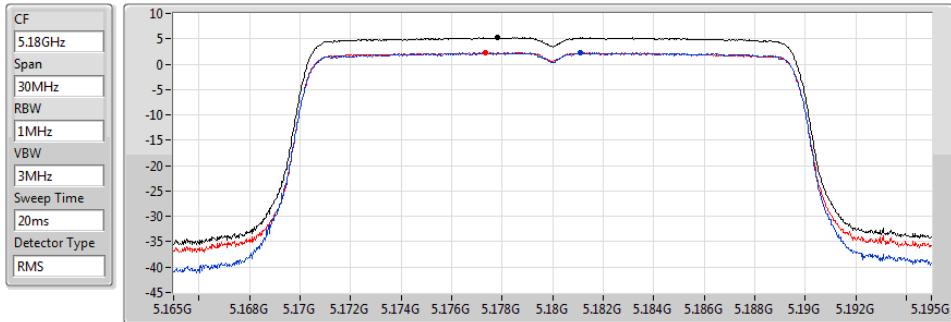
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5180MHz

11/02/2019



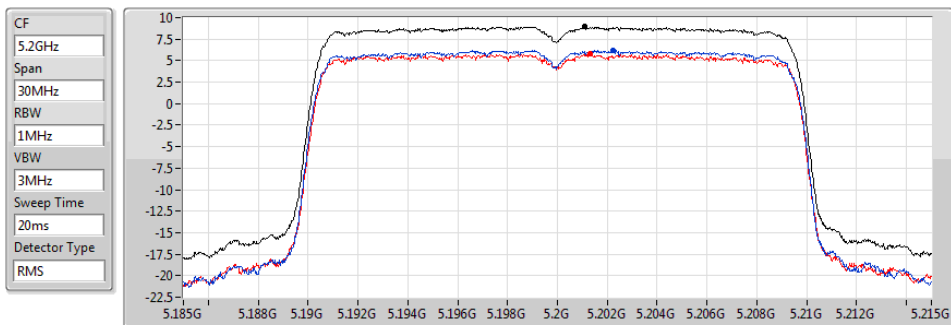
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.22      | 5.22      | 2.21      | 2.28      |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5200MHz

11/02/2019



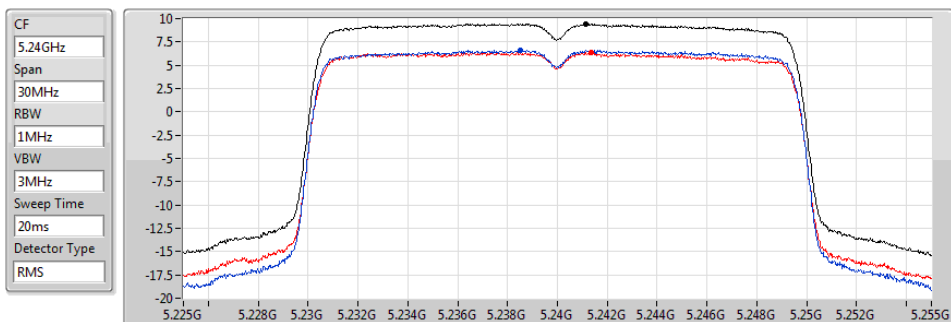
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.93      | 8.93      | 6.18      | 5.78      |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5240MHz

11/02/2019



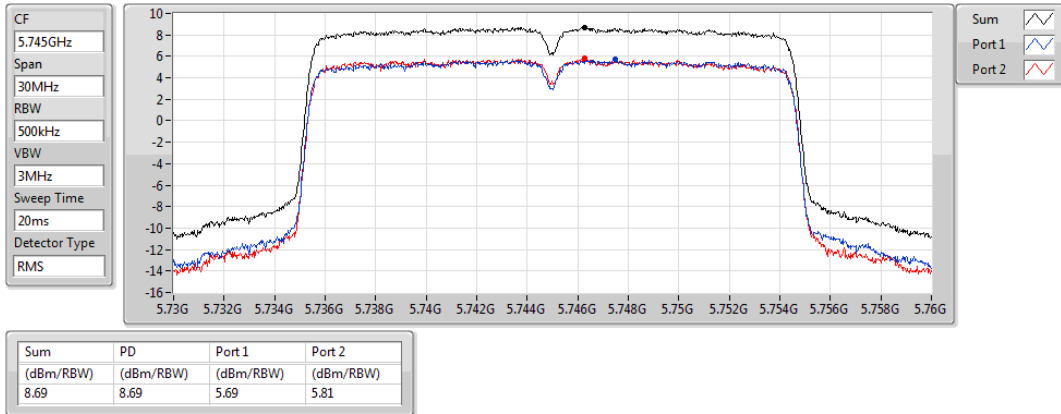
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.44      | 9.44      | 6.61      | 6.34      |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5745MHz

11/02/2019

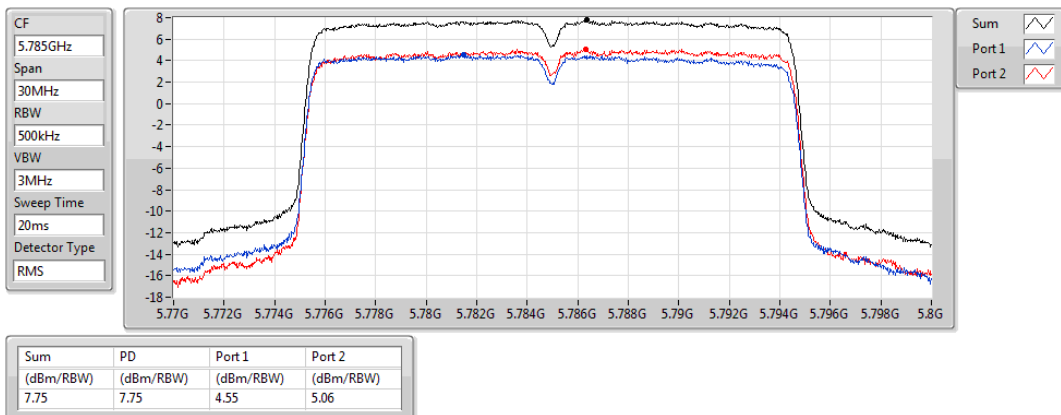


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5785MHz

11/02/2019

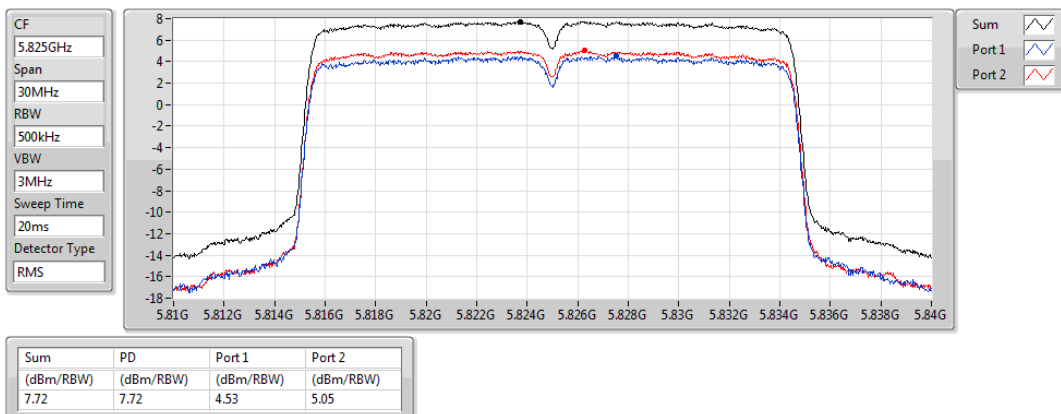


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5825MHz

11/02/2019

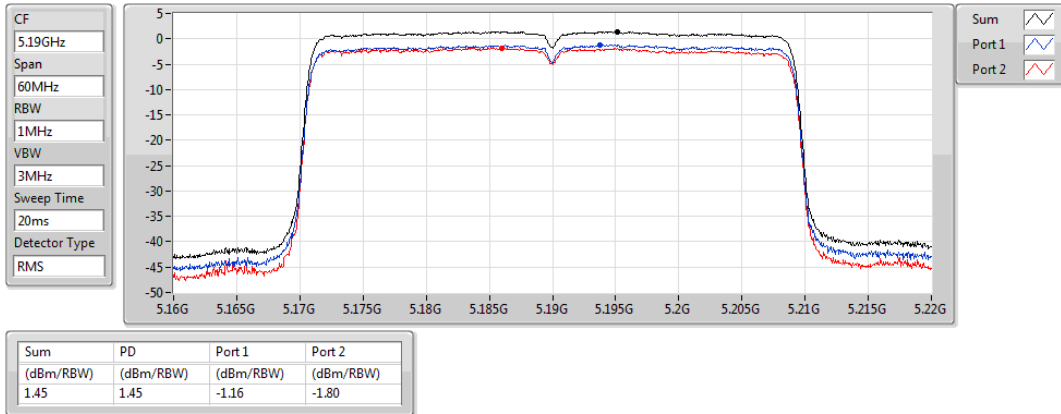


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5190MHz

11/02/2019

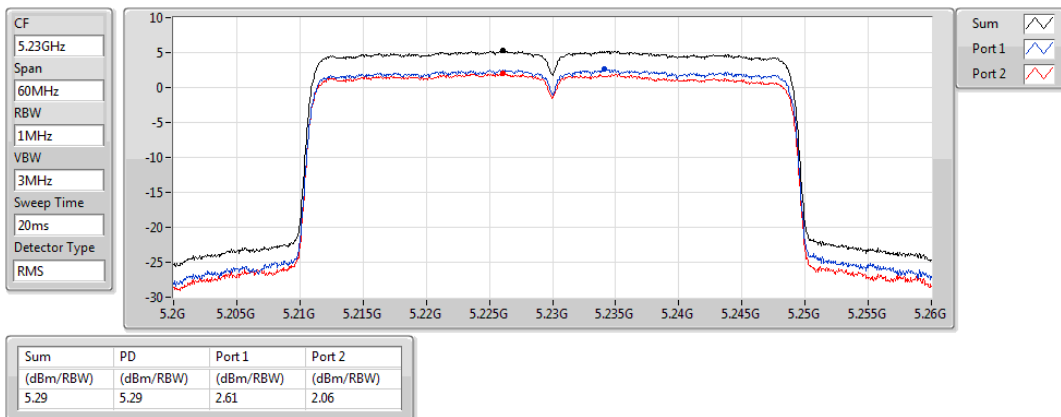


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5230MHz

11/02/2019

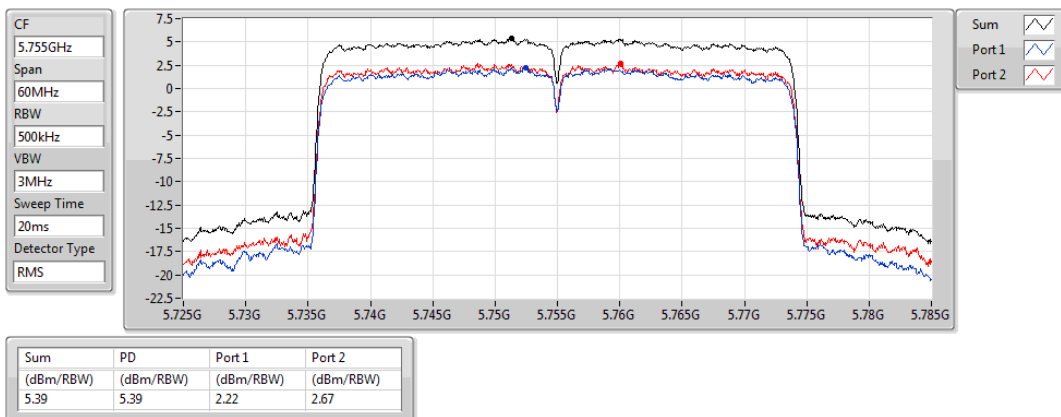


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5755MHz

11/02/2019

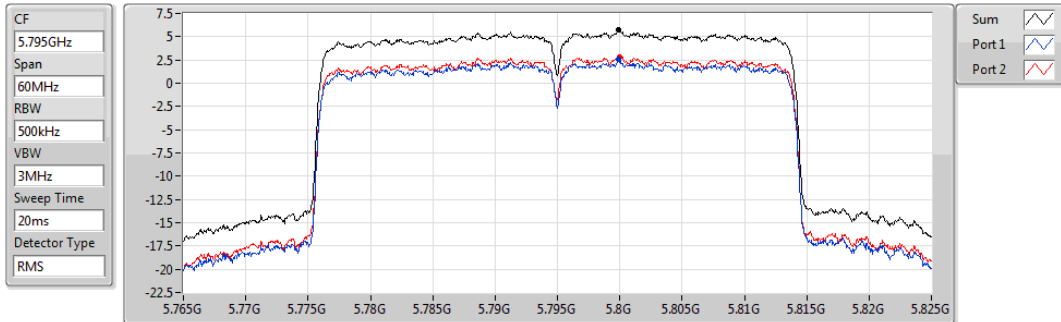


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5795MHz

11/02/2019



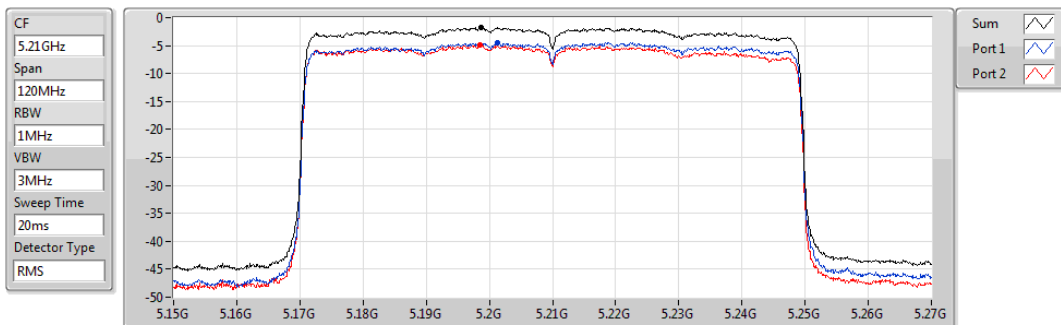
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.72      | 5.72      | 2.59      | 2.86      |

### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5210MHz

11/02/2019



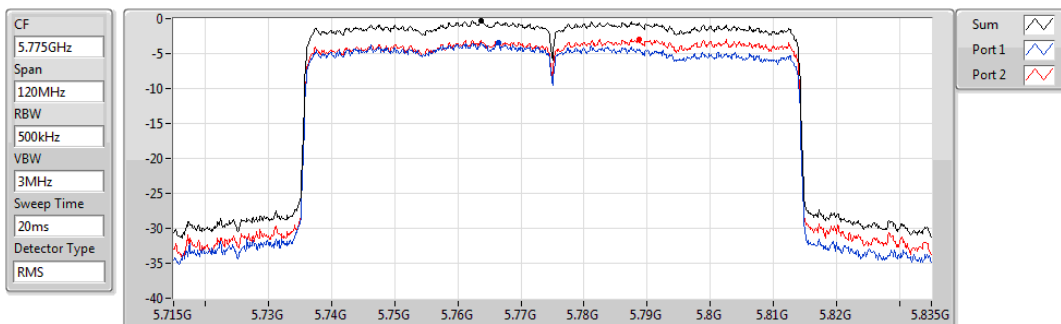
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.72     | -1.72     | -4.41     | -4.90     |

### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5775MHz

11/02/2019



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.27     | -0.27     | -3.39     | -2.96     |

**For Non-beamforming / 4T1S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 8.23            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 8.23            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 6.97            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -0.43           |
| 5.725-5.85GHz                  | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 11.72           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 11.93           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 8.09            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 1.15            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 14.72       | 1.35                | 0.28                | 0.64                | 0.31                | 6.56            | 8.28                  |
| 5200MHz                        | Pass   | 14.72       | 2.48                | 1.89                | 2.57                | 1.72                | 8.10            | 8.28                  |
| 5240MHz                        | Pass   | 14.72       | 2.87                | 2.14                | 2.18                | 1.80                | 8.23            | 8.28                  |
| 5745MHz                        | Pass   | 14.72       | 5.89                | 5.86                | 5.40                | 6.16                | 11.72           | 21.28                 |
| 5785MHz                        | Pass   | 14.72       | 4.54                | 5.26                | 5.05                | 5.68                | 11.03           | 21.28                 |
| 5825MHz                        | Pass   | 14.72       | 4.57                | 5.00                | 4.76                | 5.24                | 10.74           | 21.28                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 14.72       | 1.39                | 1.01                | 1.65                | 0.90                | 7.19            | 8.28                  |
| 5200MHz                        | Pass   | 14.72       | 2.68                | 2.07                | 2.52                | 1.99                | 8.23            | 8.28                  |
| 5240MHz                        | Pass   | 14.72       | 2.74                | 1.92                | 2.10                | 1.78                | 8.13            | 8.28                  |
| 5745MHz                        | Pass   | 14.72       | 6.47                | 5.92                | 5.63                | 6.09                | 11.93           | 21.28                 |
| 5785MHz                        | Pass   | 14.72       | 5.44                | 5.64                | 5.61                | 6.05                | 11.59           | 21.28                 |
| 5825MHz                        | Pass   | 14.72       | 4.82                | 5.21                | 5.44                | 5.25                | 11.09           | 21.28                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 14.72       | -2.30               | -3.38               | -2.67               | -3.07               | 3.09            | 8.28                  |
| 5230MHz                        | Pass   | 14.72       | 1.73                | 0.69                | 0.90                | 0.80                | 6.97            | 8.28                  |
| 5755MHz                        | Pass   | 14.72       | 0.95                | 0.68                | 0.71                | 1.24                | 6.77            | 21.28                 |
| 5795MHz                        | Pass   | 14.72       | 1.62                | 2.31                | 2.36                | 2.68                | 8.09            | 21.28                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 14.72       | -5.80               | -6.96               | -6.50               | -6.51               | -0.43           | 8.28                  |
| 5775MHz                        | Pass   | 14.72       | -4.56               | -4.51               | -4.52               | -5.30               | 1.15            | 21.28                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

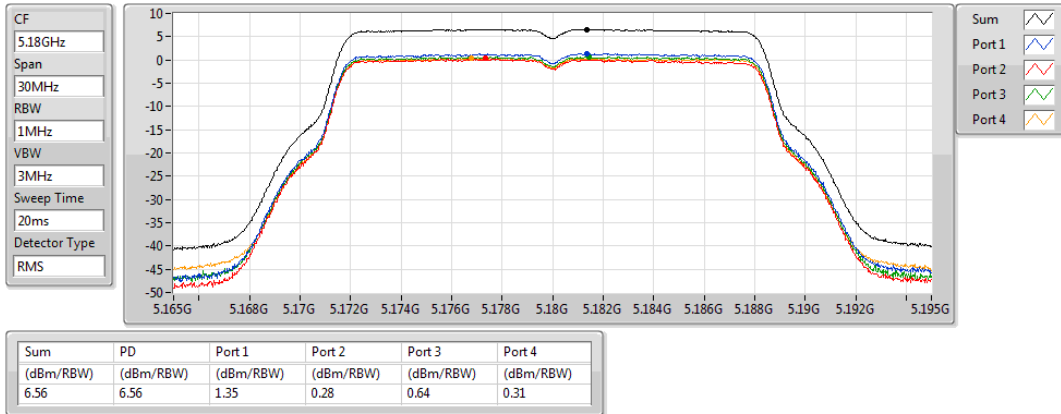
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

11/02/2019

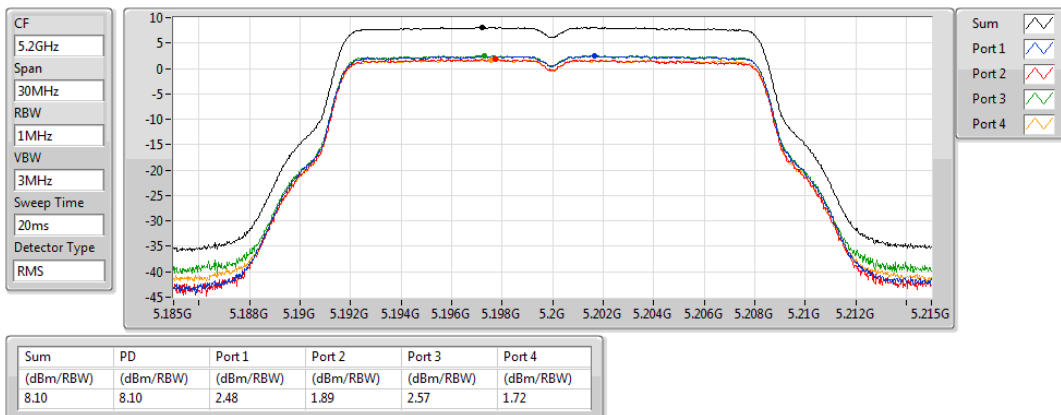


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5200MHz

11/02/2019

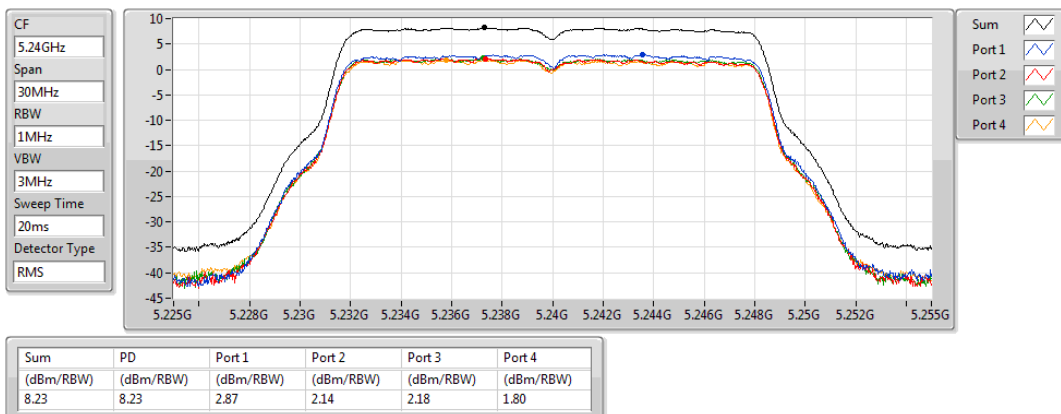


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5240MHz

11/02/2019



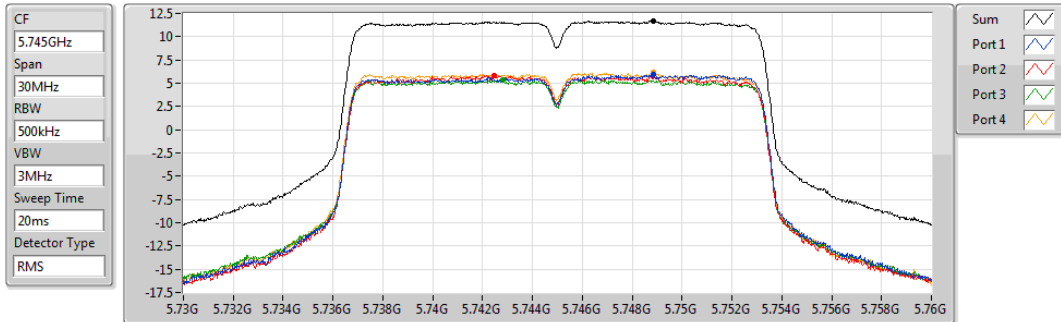


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5745MHz

11/02/2019



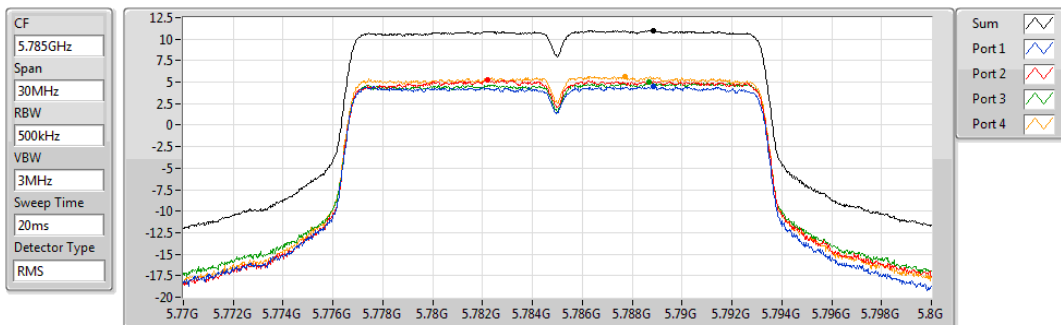
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.72     | 11.72     | 5.89      | 5.86      | 5.40      | 6.16      |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5785MHz

11/02/2019



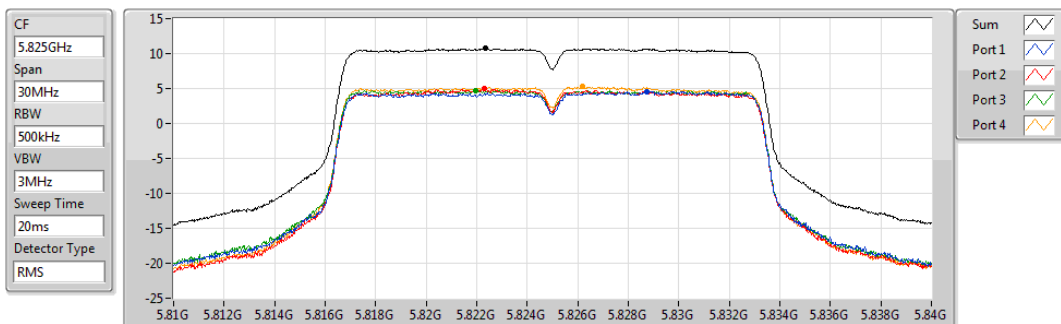
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.03     | 11.03     | 4.54      | 5.26      | 5.05      | 5.68      |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5825MHz

11/02/2019



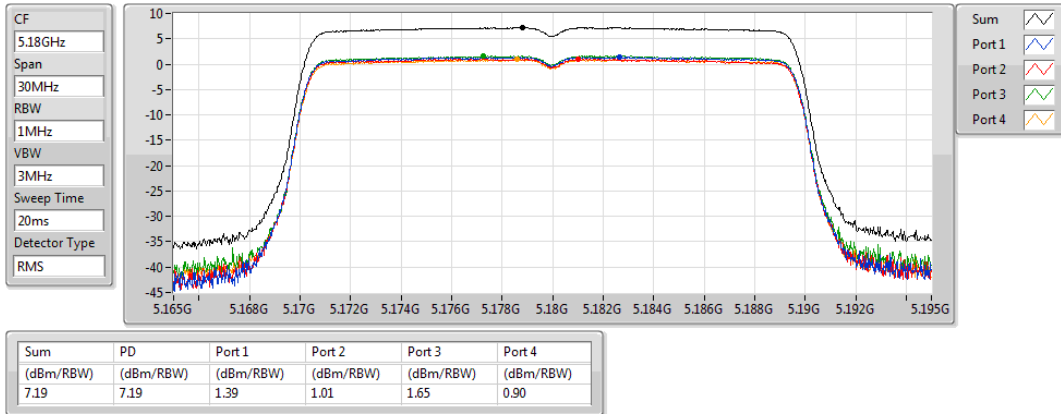
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.74     | 10.74     | 4.57      | 5.00      | 4.76      | 5.24      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

11/02/2019

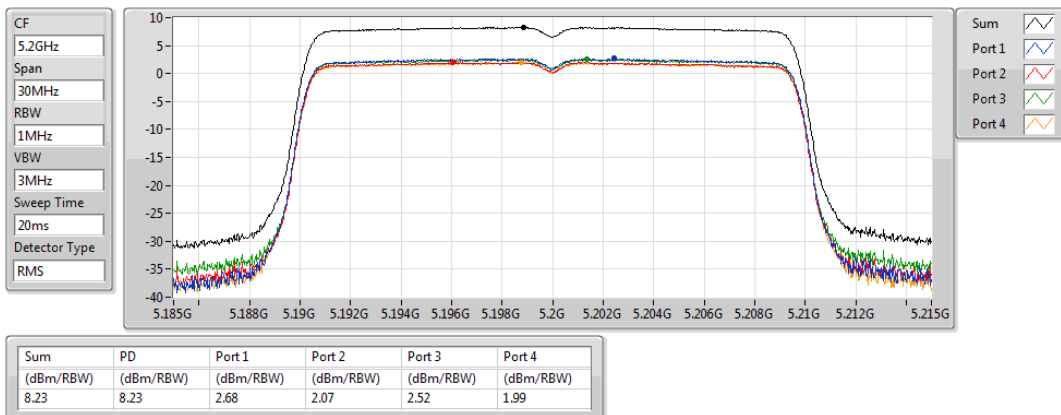


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

11/02/2019

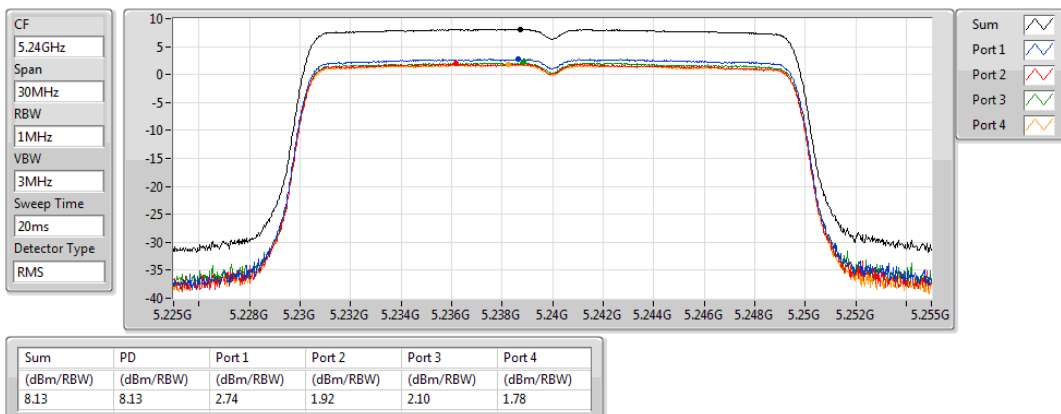


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

11/02/2019

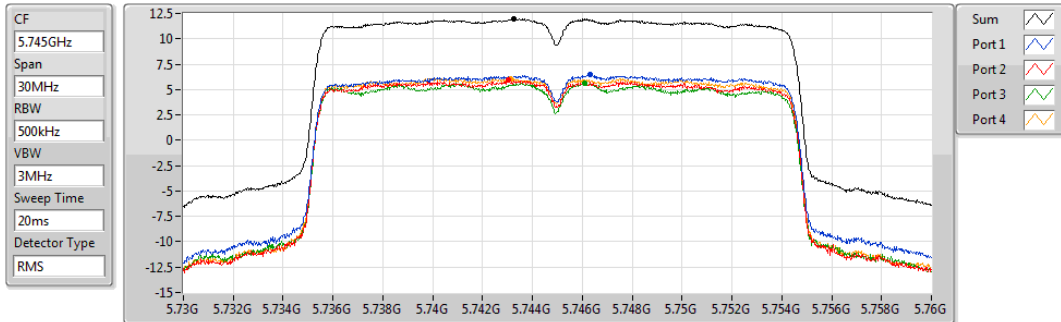


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5745MHz

11/02/2019



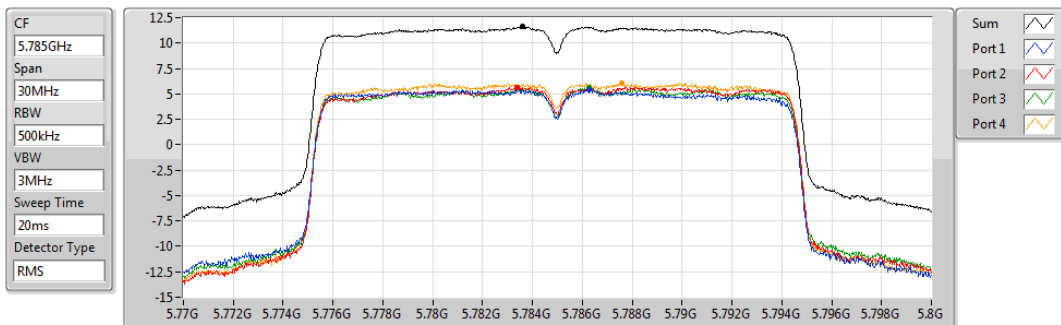
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.93     | 11.93     | 6.47      | 5.92      | 5.63      | 6.09      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5785MHz

11/02/2019



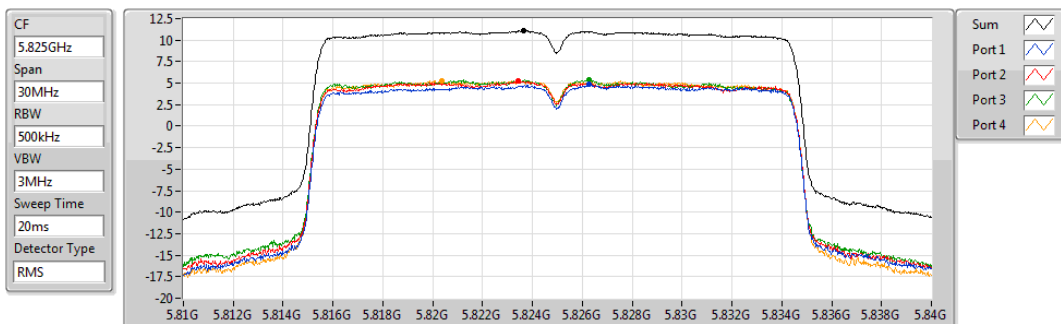
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.59     | 11.59     | 5.44      | 5.64      | 5.61      | 6.05      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5825MHz

11/02/2019



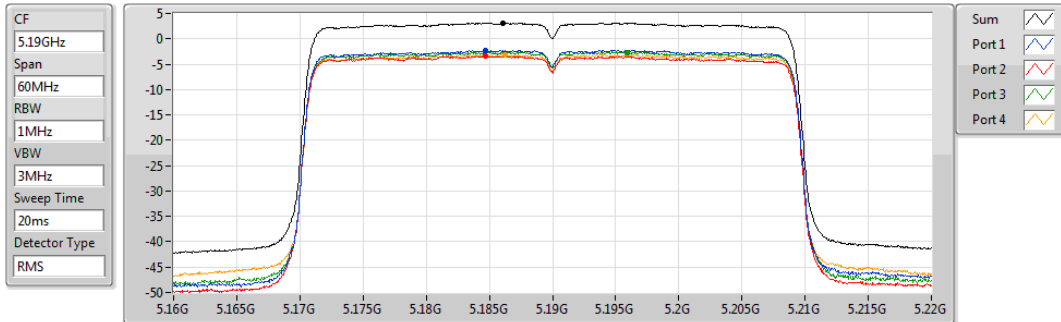
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.09     | 11.09     | 4.82      | 5.21      | 5.44      | 5.25      |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

11/02/2019



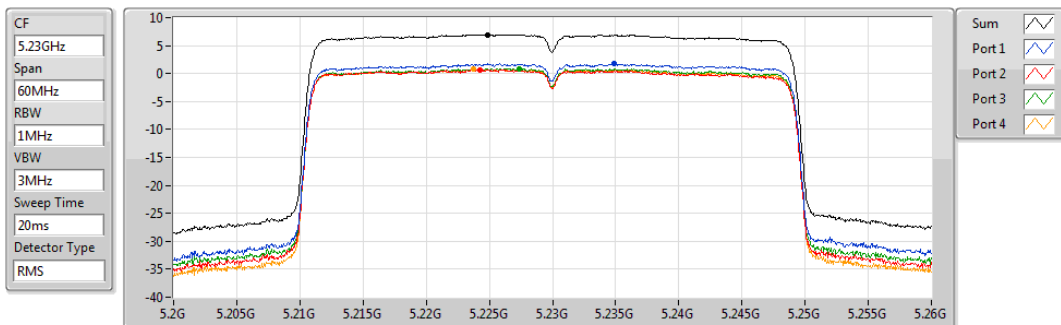
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.09      | 3.09      | -2.30     | -3.38     | -2.67     | -3.07     |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

11/02/2019



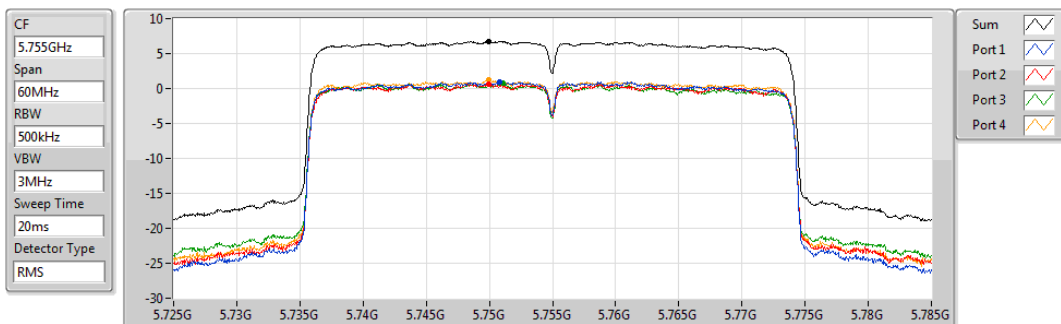
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.97      | 6.97      | 1.73      | 0.69      | 0.90      | 0.80      |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5755MHz

11/02/2019



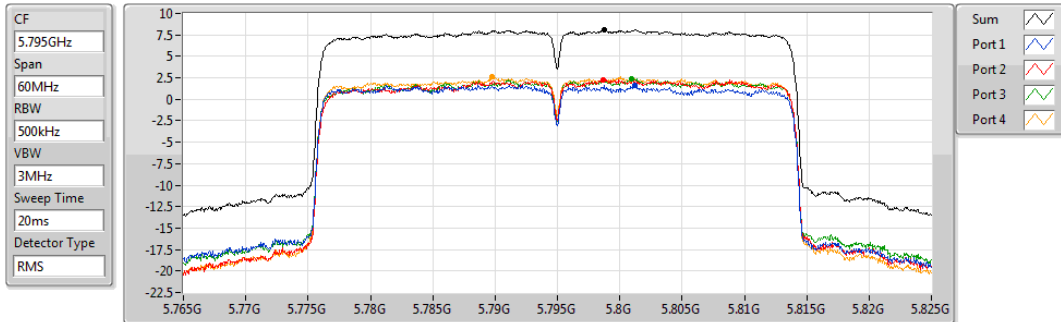
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.77      | 6.77      | 0.95      | 0.68      | 0.71      | 1.24      |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5795MHz

11/02/2019



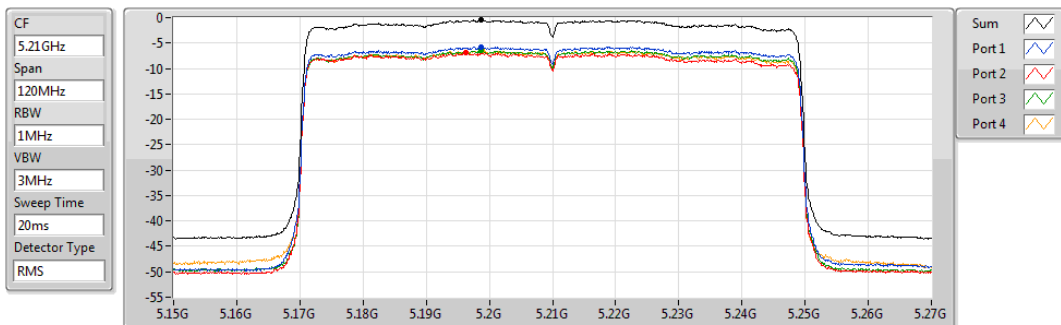
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.09      | 8.09      | 1.62      | 2.31      | 2.36      | 2.68      |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

11/02/2019



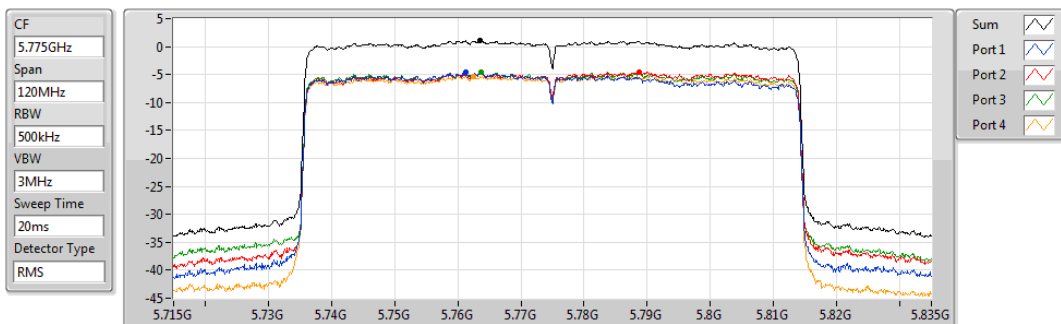
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.43     | -0.43     | -5.80     | -6.96     | -6.50     | -6.51     |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5775MHz

11/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.15      | 1.15      | -4.56     | -4.51     | -4.52     | -5.30     |

**For Beamforming / 4T1S mode  
Summary**

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 5.15-5.25GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 7.73            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 5.06            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.63            |
| 5.725-5.85GHz                     | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 6.45            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 3.79            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 1.19            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                           | Pass   | 14.72       | 1.55                | 1.26                | 2.83                | 1.30                | 7.73            | 8.28                  |
| 5200MHz                           | Pass   | 14.72       | 1.49                | 1.55                | 2.51                | 1.23                | 7.63            | 8.28                  |
| 5240MHz                           | Pass   | 14.72       | 1.56                | 1.19                | 2.71                | 1.05                | 7.62            | 8.28                  |
| 5745MHz                           | Pass   | 14.72       | 0.18                | 0.40                | 0.62                | 0.32                | 6.27            | 21.28                 |
| 5785MHz                           | Pass   | 14.72       | 0.33                | 0.50                | 0.81                | 0.44                | 6.41            | 21.28                 |
| 5825MHz                           | Pass   | 14.72       | 0.47                | 0.97                | 0.86                | -0.07               | 6.45            | 21.28                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                           | Pass   | 14.72       | -2.49               | -2.88               | -2.30               | -3.10               | 3.26            | 8.28                  |
| 5230MHz                           | Pass   | 14.72       | -0.46               | -1.07               | -0.58               | -1.42               | 5.06            | 8.28                  |
| 5755MHz                           | Pass   | 14.72       | -2.92               | -2.20               | -1.98               | -1.56               | 3.79            | 21.28                 |
| 5795MHz                           | Pass   | 14.72       | -3.14               | -2.40               | -2.26               | -1.62               | 3.59            | 21.28                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                           | Pass   | 14.72       | -5.42               | -5.54               | -4.98               | -5.49               | 0.63            | 8.28                  |
| 5775MHz                           | Pass   | 14.72       | -5.17               | -4.23               | -4.52               | -5.03               | 1.19            | 21.28                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

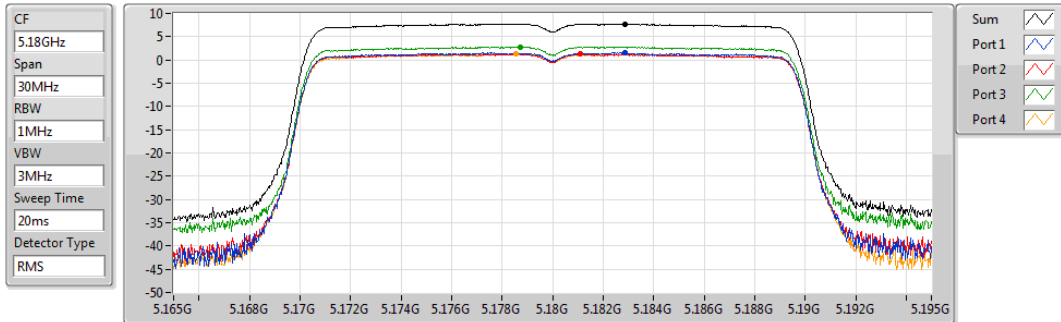
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

13/02/2019



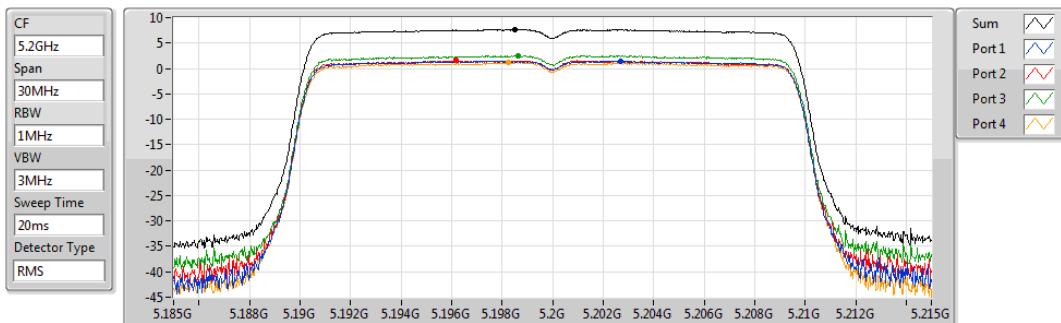
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.73      | 7.73      | 1.55      | 1.26      | 2.83      | 1.30      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

13/02/2019



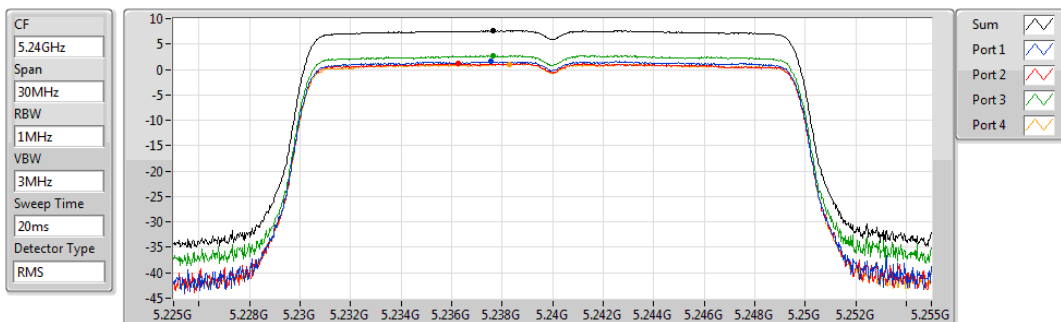
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.63      | 7.63      | 1.49      | 1.55      | 2.51      | 1.23      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

13/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.62      | 7.62      | 1.56      | 1.19      | 2.71      | 1.05      |

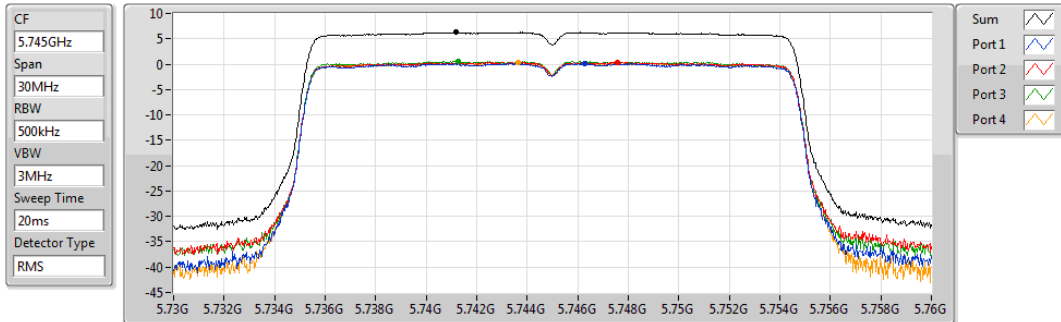


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

5745MHz

PSD

13/02/2019



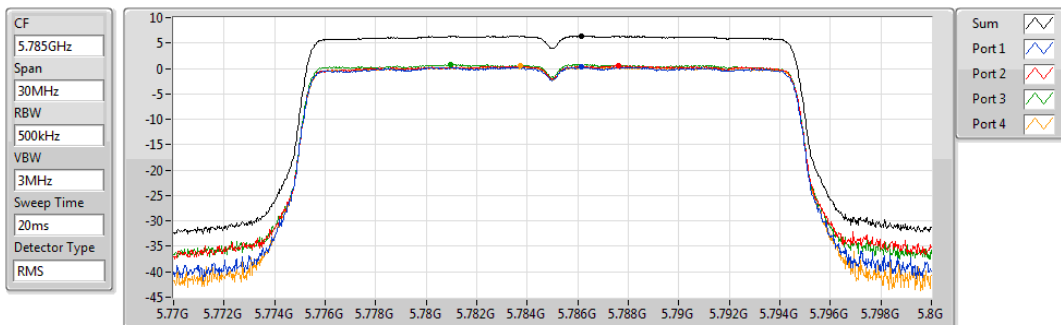
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.27     | 6.27     | 0.18     | 0.40     | 0.62     | 0.32     |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

5785MHz

PSD

13/02/2019



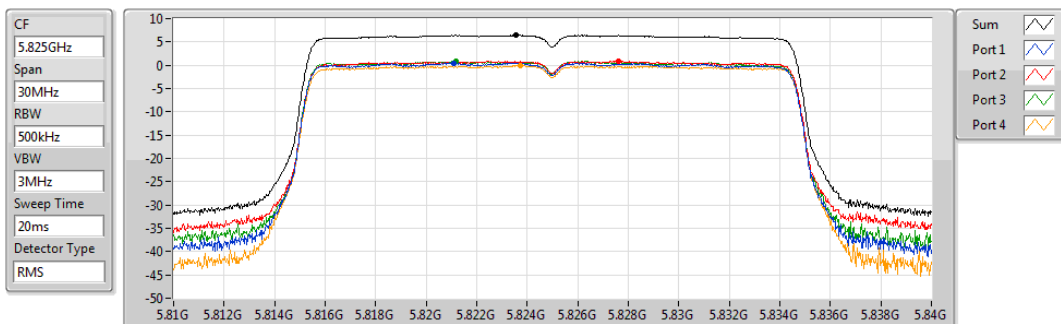
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.41     | 6.41     | 0.33     | 0.50     | 0.81     | 0.44     |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

5825MHz

PSD

13/02/2019



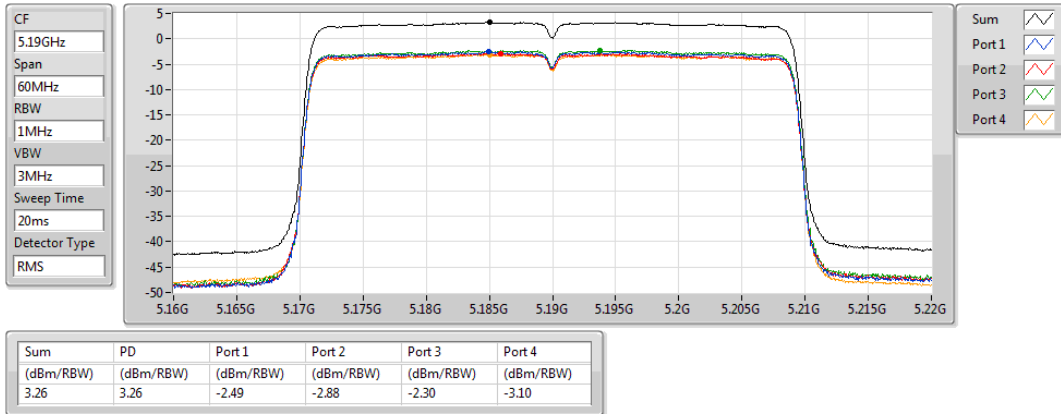
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.45     | 6.45     | 0.47     | 0.97     | 0.86     | -0.07    |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

13/02/2019

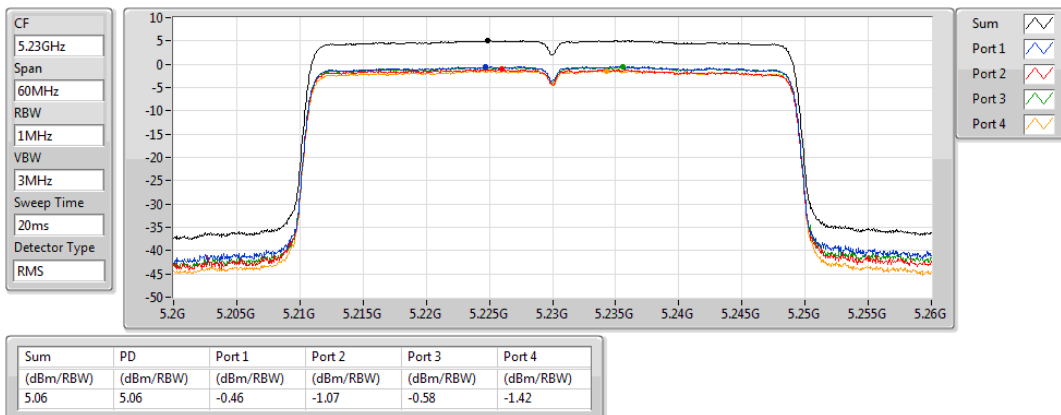


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

13/02/2019

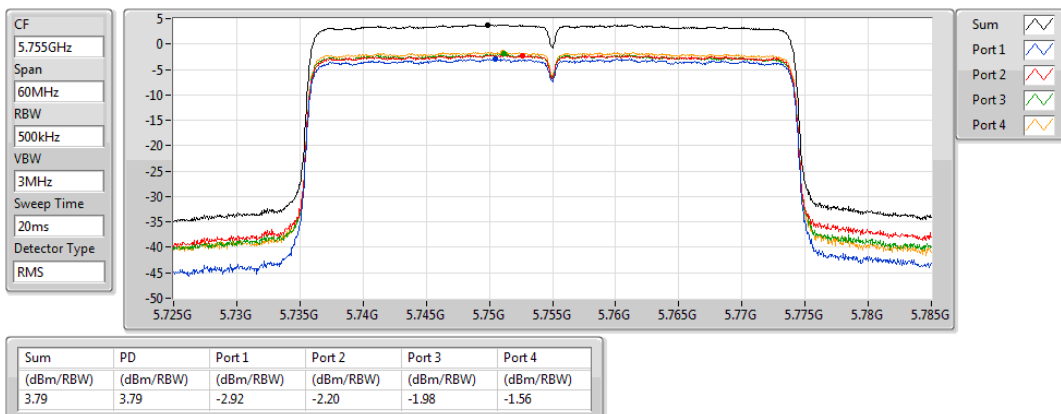


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5755MHz

13/02/2019

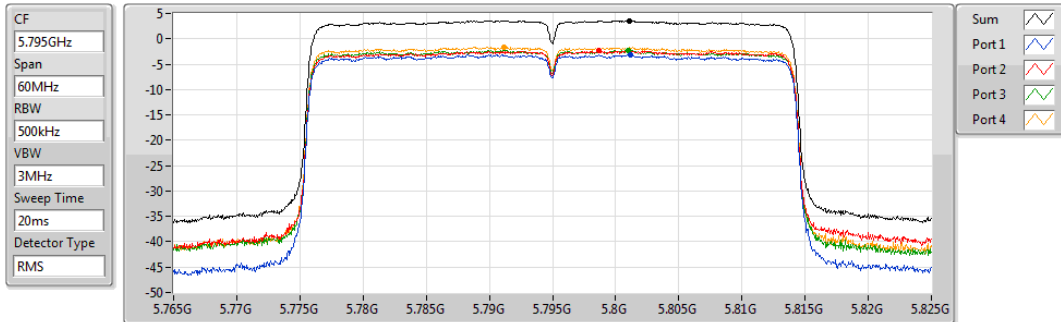


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5795MHz

13/02/2019



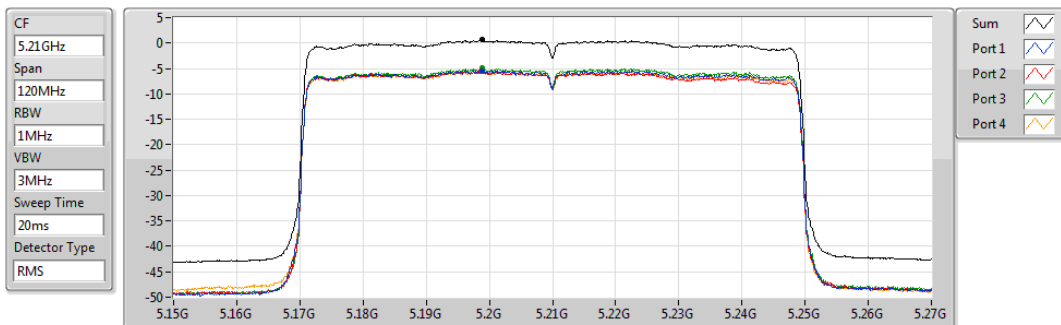
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.59      | 3.59      | -3.14     | -2.40     | -2.26     | -1.62     |

### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

13/02/2019



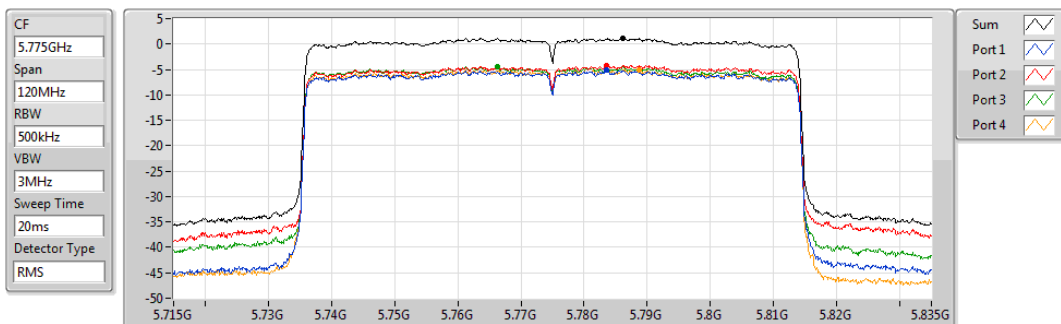
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.63      | 0.63      | -5.42     | -5.54     | -4.98     | -5.49     |

### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5775MHz

13/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.19      | 1.19      | -5.17     | -4.23     | -4.52     | -5.03     |

**For Non-beamforming / 4T4S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 12.82           |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 7.51            |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -1.36           |
| 5.725-5.85GHz                  | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 11.59           |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 7.98            |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 1.94            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | 1.73                | 1.23                | 2.37                | 1.35                | 7.60            | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | 5.50                | 5.32                | 6.39                | 5.25                | 11.56           | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | 7.04                | 6.89                | 7.29                | 6.48                | 12.82           | 14.30                 |
| 5745MHz                        | Pass   | 8.70        | 6.21                | 5.80                | 5.12                | 5.93                | 11.59           | 27.30                 |
| 5785MHz                        | Pass   | 8.70        | 5.34                | 5.42                | 4.94                | 5.74                | 11.23           | 27.30                 |
| 5825MHz                        | Pass   | 8.70        | 5.26                | 5.54                | 5.43                | 5.41                | 11.27           | 27.30                 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 8.70        | -2.99               | -3.23               | -2.91               | -3.60               | 2.64            | 14.30                 |
| 5230MHz                        | Pass   | 8.70        | 1.86                | 1.67                | 2.14                | 0.81                | 7.51            | 14.30                 |
| 5755MHz                        | Pass   | 8.70        | 1.32                | 0.64                | 0.61                | 1.20                | 6.84            | 27.30                 |
| 5795MHz                        | Pass   | 8.70        | 1.88                | 2.27                | 2.02                | 2.19                | 7.98            | 27.30                 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 8.70        | -7.08               | -7.20               | -6.76               | -8.13               | -1.36           | 14.30                 |
| 5775MHz                        | Pass   | 8.70        | -3.23               | -3.63               | -4.38               | -4.42               | 1.94            | 27.30                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

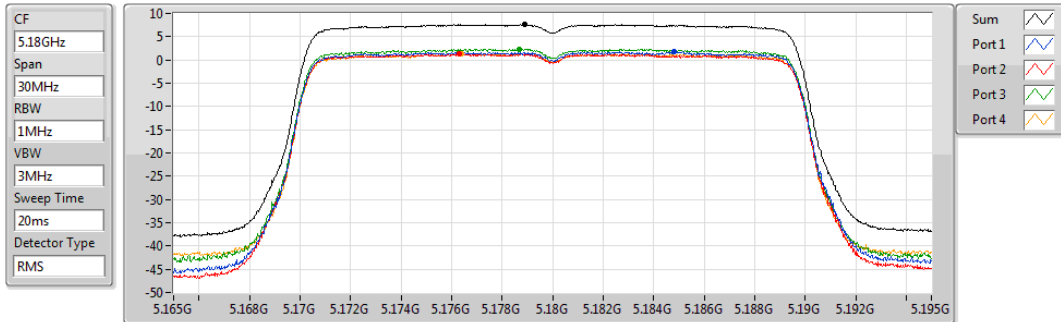
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5180MHz

11/02/2019



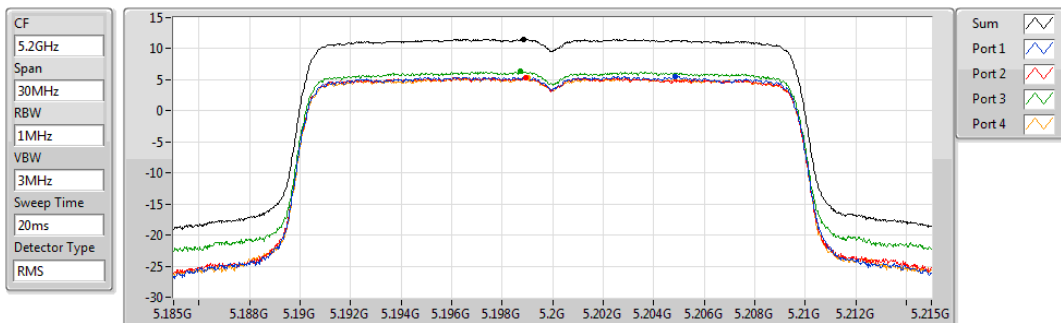
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.60      | 7.60      | 1.73      | 1.23      | 2.37      | 1.35      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5200MHz

11/02/2019



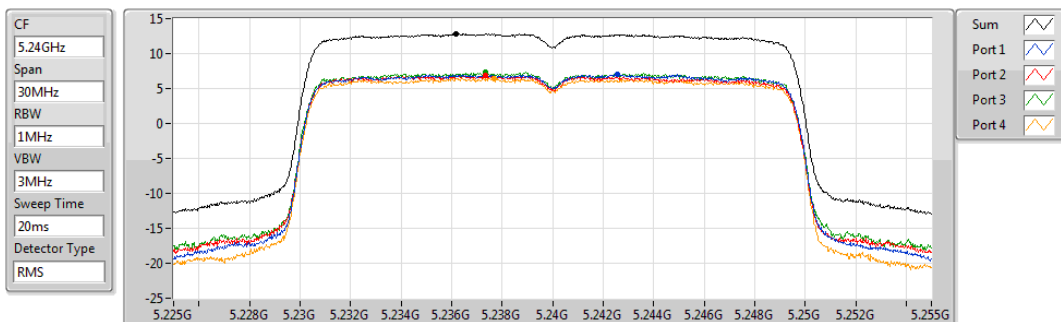
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.56     | 11.56     | 5.50      | 5.32      | 6.39      | 5.25      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5240MHz

11/02/2019



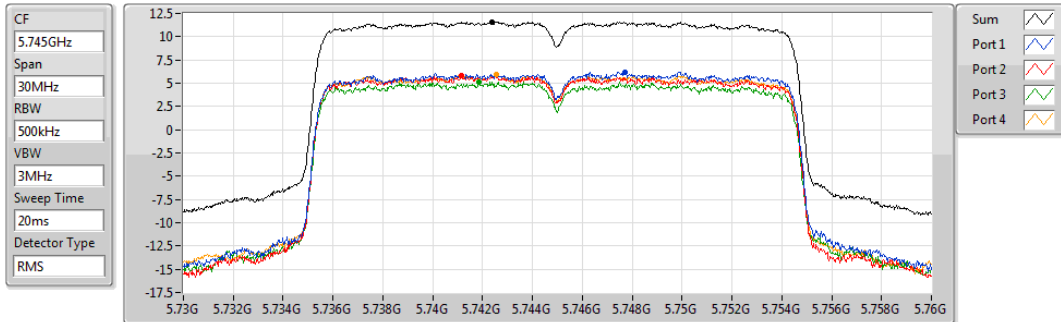
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.82     | 12.82     | 7.04      | 6.89      | 7.29      | 6.48      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5745MHz

11/02/2019



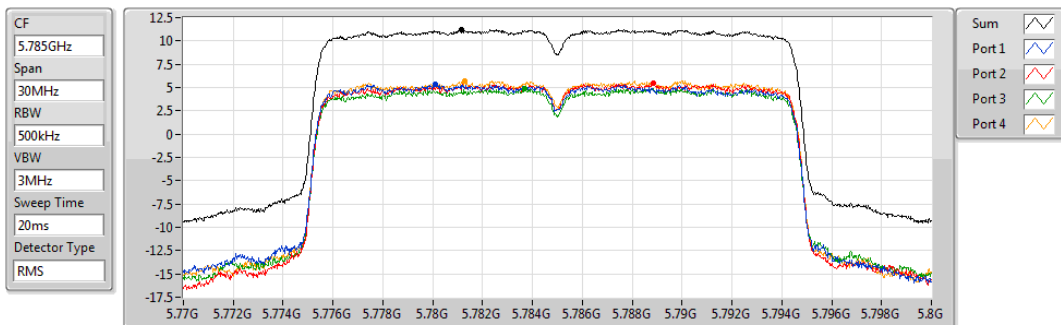
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) |
| 11.59     | 11.59     | 6.21      | 5.80      | 5.12      | 5.93      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5785MHz

11/02/2019



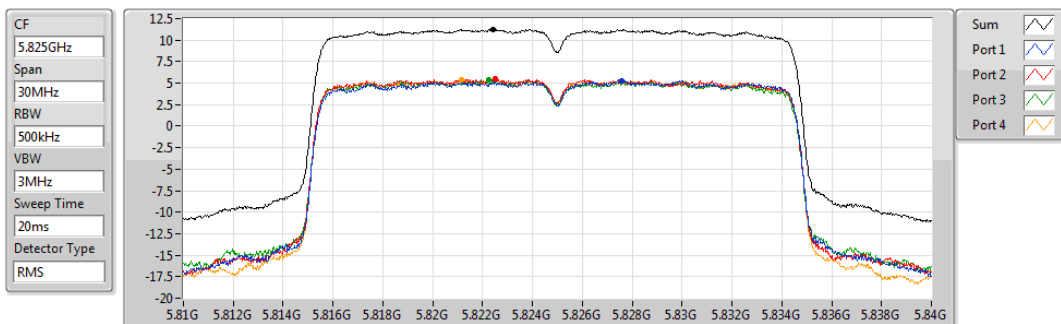
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) |
| 11.23     | 11.23     | 5.34      | 5.42      | 4.94      | 5.74      |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5825MHz

11/02/2019



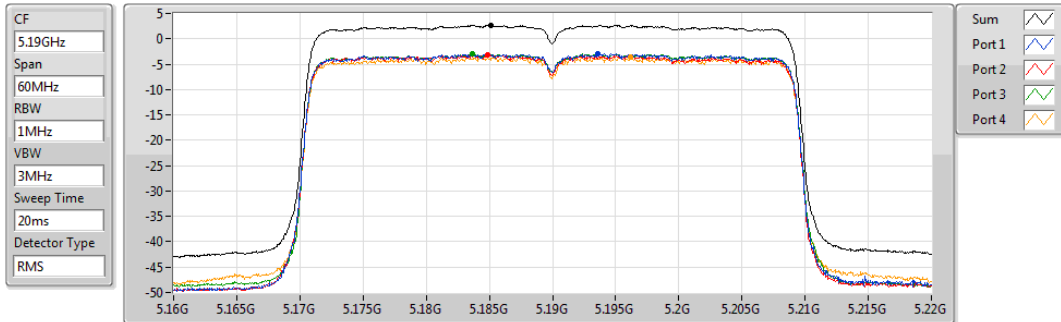
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) |
| 11.27     | 11.27     | 5.26      | 5.54      | 5.43      | 5.41      |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5190MHz

11/02/2019



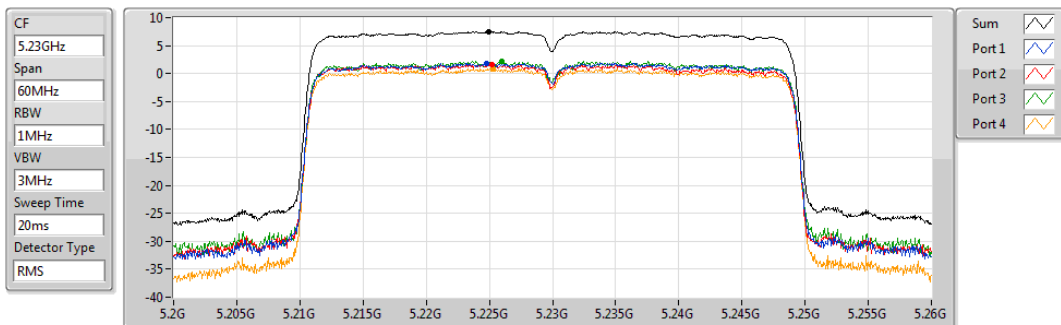
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.64      | 2.64      | -2.99     | -3.23     | -2.91     | -3.60     |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5230MHz

11/02/2019



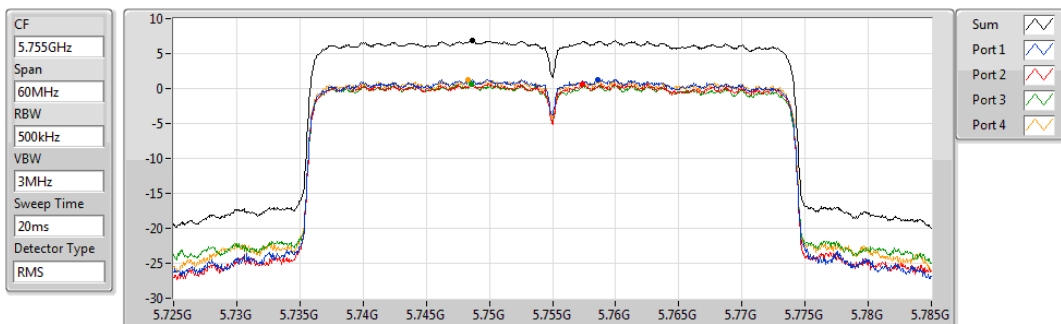
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.51      | 7.51      | 1.86      | 1.67      | 2.14      | 0.81      |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5755MHz

11/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.84      | 6.84      | 1.32      | 0.64      | 0.61      | 1.20      |

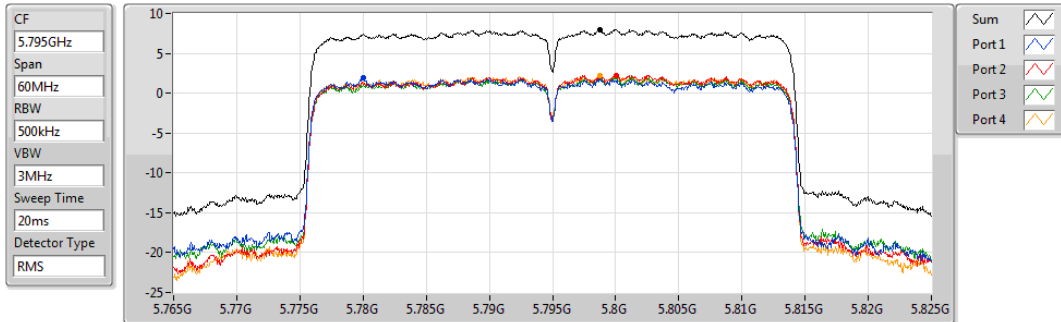


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5795MHz

11/02/2019



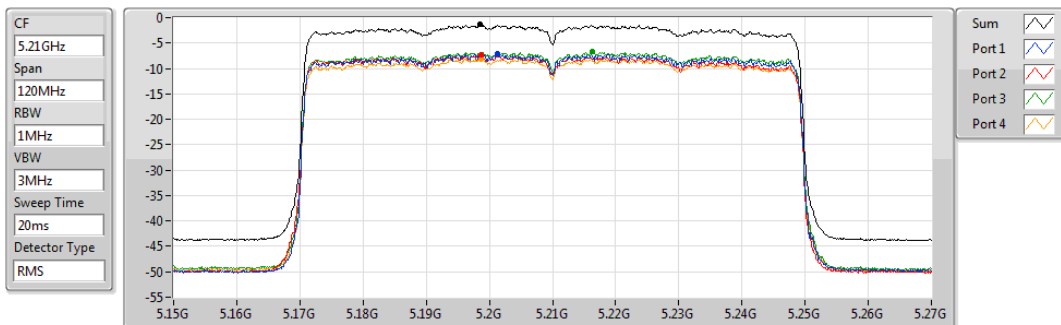
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.98      | 7.98      | 1.88      | 2.27      | 2.02      | 2.19      |

### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5210MHz

11/02/2019



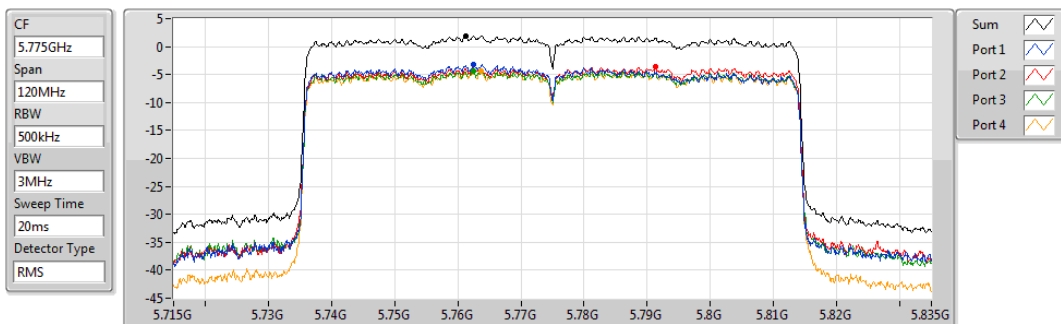
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.36     | -1.36     | -7.08     | -7.20     | -6.76     | -8.13     |

### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5775MHz

11/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.94      | 1.94      | -3.23     | -3.63     | -4.38     | -4.42     |

**For outdoor use for 5G Band 1:**  
**Mode 1: (Ant. 5 Panel antenna / 3 dBi)**  
**For Non-beamforming / 1T1S mode**  
**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | 2.79            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 2.44            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -0.47           |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -4.58           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | 2.77                | 2.77            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | 2.78                | 2.78            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | 2.79                | 2.79            | 17.00                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | 2.37                | 2.37            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | 2.44                | 2.44            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | 2.28                | 2.28            | 17.00                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5190MHz                        | Pass   | 3.00        | -1.36               | -1.36           | 17.00                 |
| 5230MHz                        | Pass   | 3.00        | -0.47               | -0.47           | 17.00                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5210MHz                        | Pass   | 3.00        | -4.58               | -4.58           | 17.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

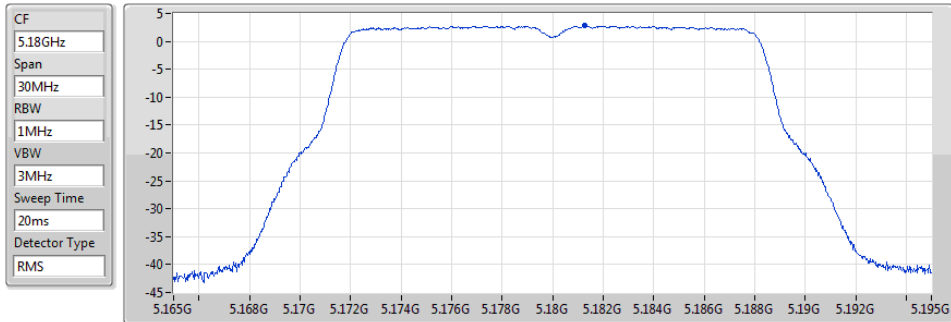
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5180MHz

02/03/2019



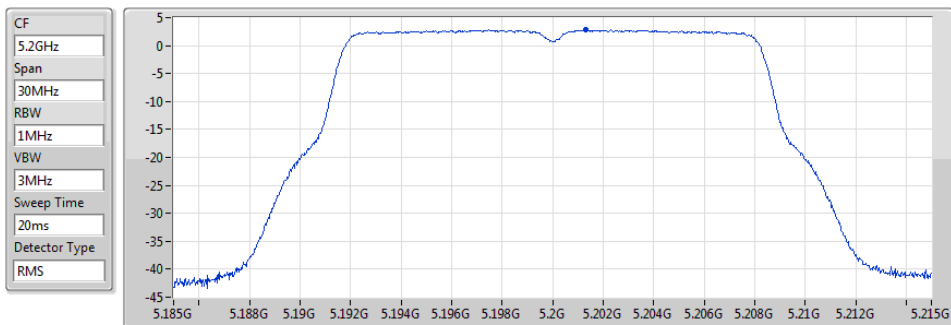
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.77     | 2.77     | 2.77     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5200MHz

02/03/2019



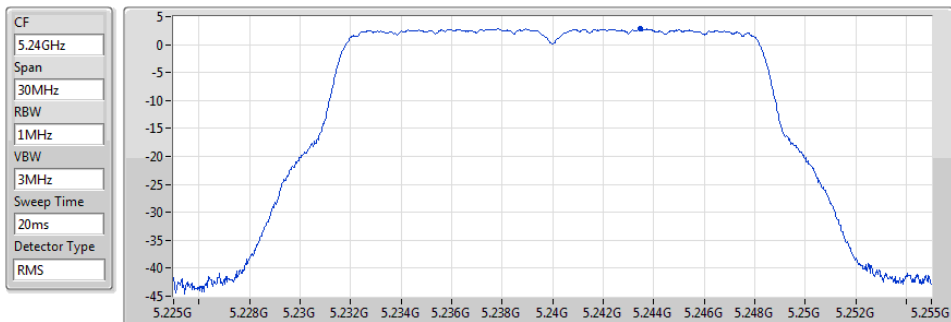
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.78     | 2.78     | 2.78     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5240MHz

02/03/2019



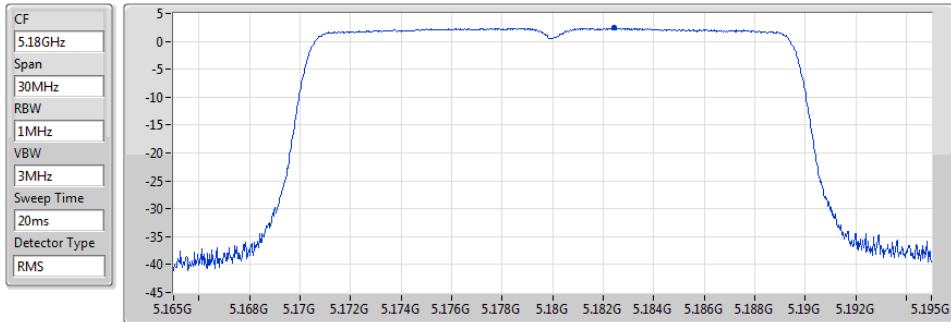
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.79     | 2.79     | 2.79     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5180MHz

02/03/2019



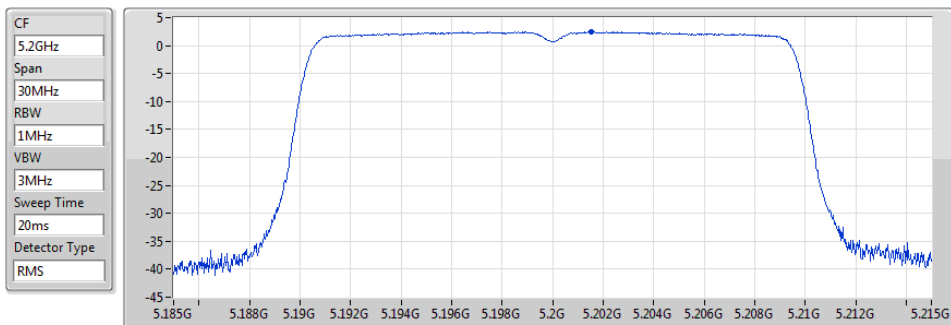
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.37     | 2.37     | 2.37     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5200MHz

02/03/2019



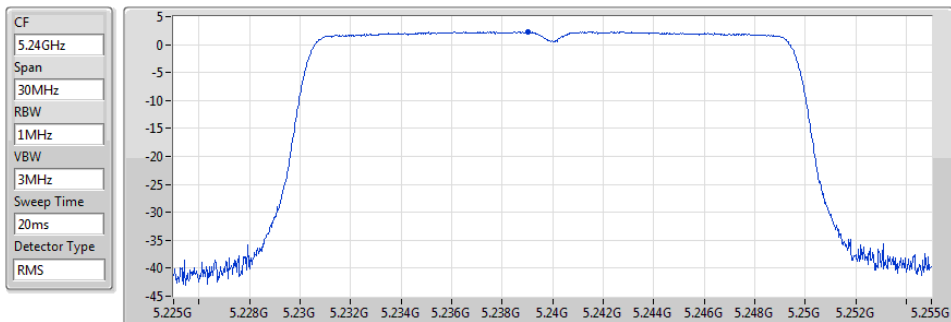
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.44     | 2.44     | 2.44     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5240MHz

02/03/2019



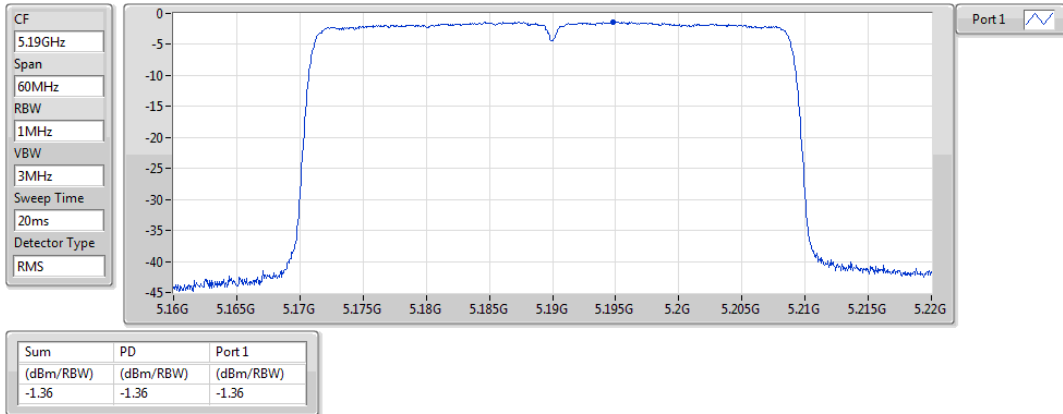
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.28     | 2.28     | 2.28     |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5190MHz

11/02/2019

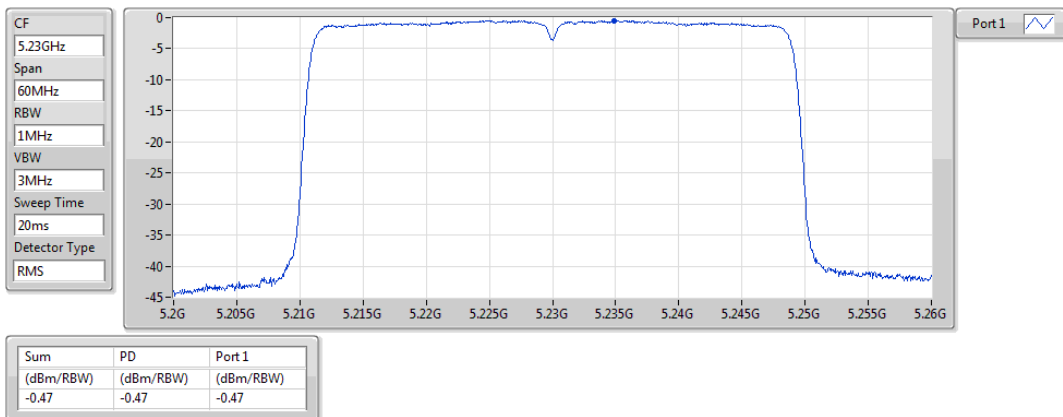


### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5230MHz

02/03/2019

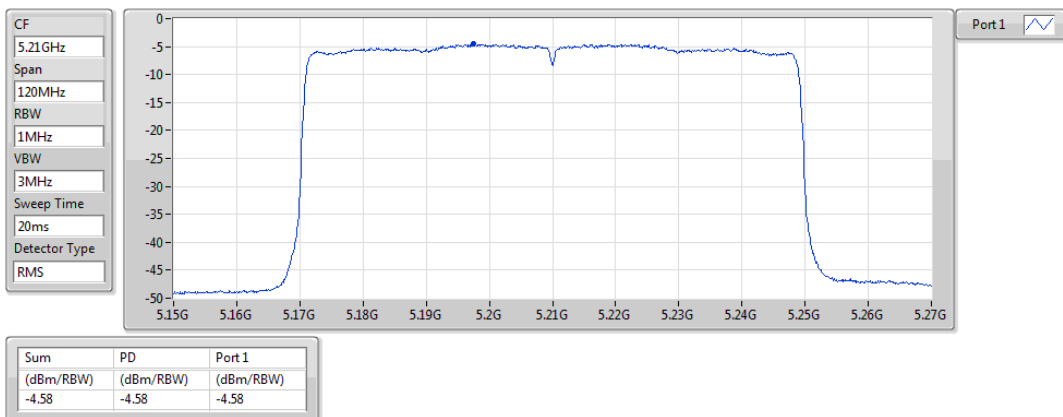


### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5210MHz

02/03/2019





## PSD Result\_Radio 1

Appendix D.17

### For Non-beamforming / 2T2S mode Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | 2.34            |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -0.55           |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -2.89           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



## PSD Result\_Radio 1

## Appendix D.17

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | -0.25               | -1.40               | 2.17            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | -0.44               | -0.82               | 2.34            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | -0.56               | -1.18               | 2.14            | 17.00                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 3.00        | -3.33               | -3.82               | -0.59           | 17.00                 |
| 5230MHz                        | Pass   | 3.00        | -3.15               | -3.89               | -0.55           | 17.00                 |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 3.00        | -5.88               | -5.87               | -2.89           | 17.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

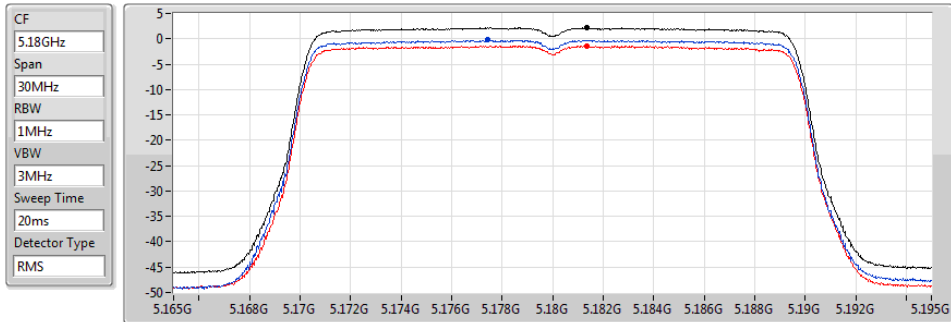


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5180MHz

02/03/2019



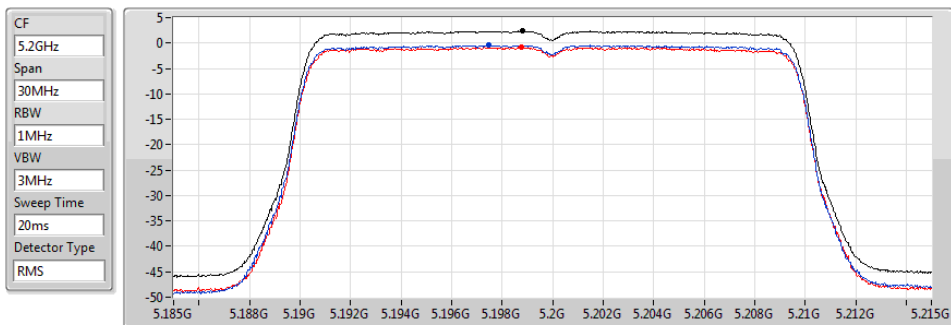
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.17      | 2.17      | -0.25     | -1.40     |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5200MHz

02/03/2019



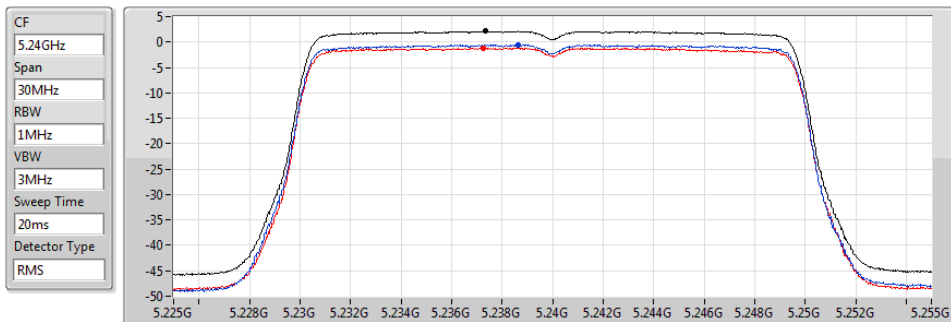
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.34      | 2.34      | -0.44     | -0.82     |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5240MHz

02/03/2019



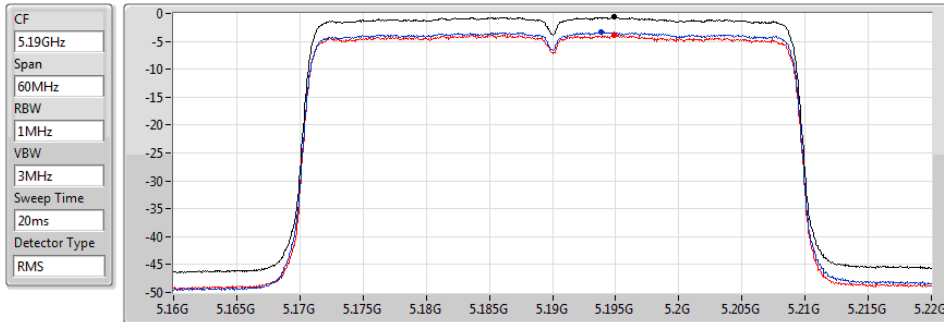
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.14      | 2.14      | -0.56     | -1.18     |

### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5190MHz

02/03/2019



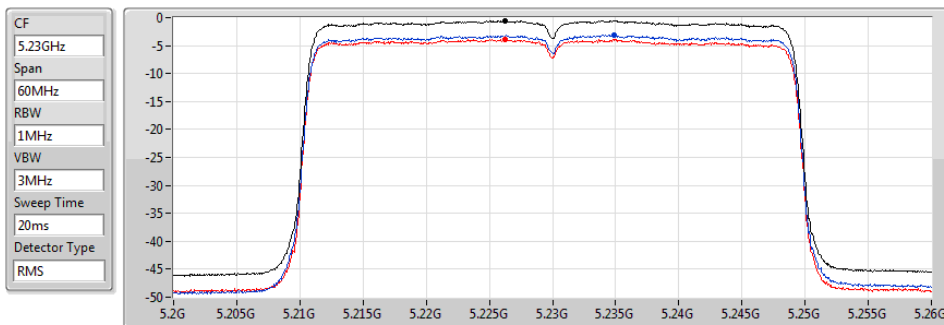
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.59     | -0.59     | -3.33     | -3.82     |

### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5230MHz

02/03/2019



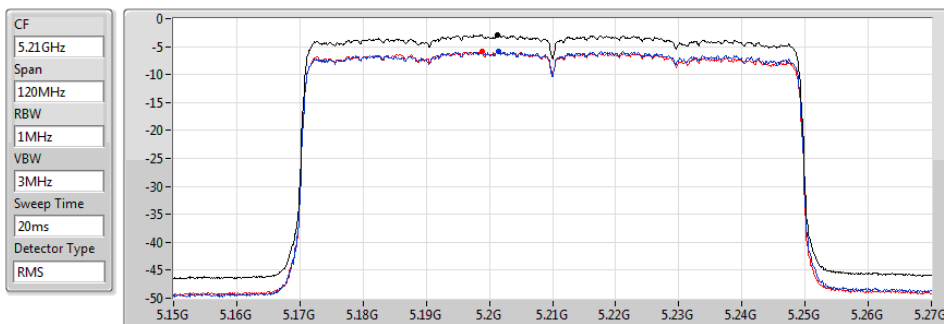
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.55     | -0.55     | -3.15     | -3.89     |

### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5210MHz

02/03/2019



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.89     | -2.89     | -5.88     | -5.87     |

**For Non-beamforming / 4T1S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 2.97            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 2.36            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -0.44           |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -3.28           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 9.02        | -2.99               | -3.49               | -2.78               | -3.00               | 2.83            | 13.98                 |
| 5200MHz                        | Pass   | 9.02        | -2.70               | -3.42               | -2.80               | -3.29               | 2.85            | 13.98                 |
| 5240MHz                        | Pass   | 9.02        | -2.71               | -3.01               | -2.85               | -3.32               | 2.97            | 13.98                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 9.02        | -3.44               | -4.06               | -3.16               | -3.75               | 2.36            | 13.98                 |
| 5200MHz                        | Pass   | 9.02        | -3.37               | -3.84               | -3.76               | -3.80               | 2.26            | 13.98                 |
| 5240MHz                        | Pass   | 9.02        | -3.42               | -3.97               | -3.51               | -4.02               | 2.23            | 13.98                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 9.02        | -6.07               | -7.02               | -6.77               | -6.71               | -0.71           | 13.98                 |
| 5230MHz                        | Pass   | 9.02        | -5.91               | -6.70               | -6.25               | -6.66               | -0.44           | 13.98                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 9.02        | -8.89               | -9.58               | -9.17               | -9.37               | -3.28           | 13.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

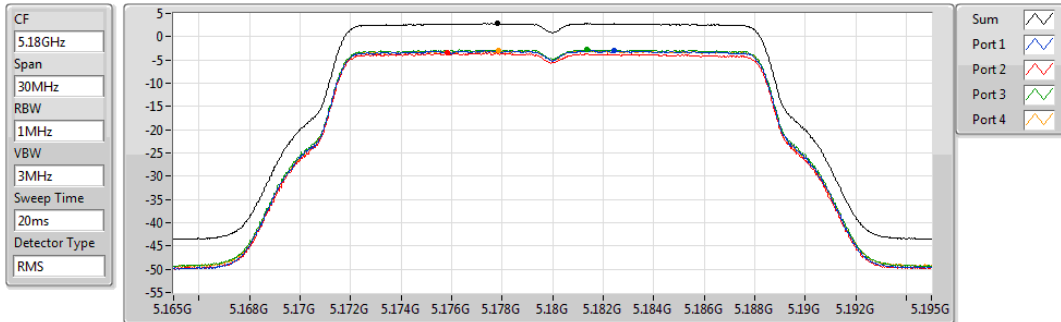
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

02/03/2019



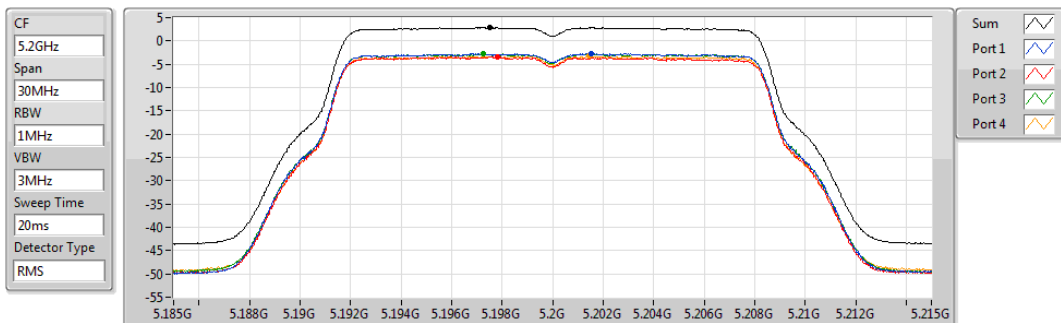
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.83      | 2.83      | -2.99     | -3.49     | -2.78     | -3.00     |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5200MHz

02/03/2019



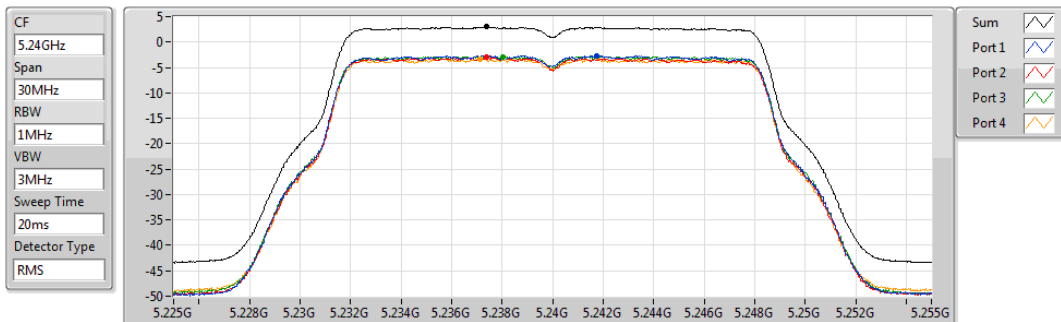
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.85      | 2.85      | -2.70     | -3.42     | -2.80     | -3.29     |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5240MHz

02/03/2019



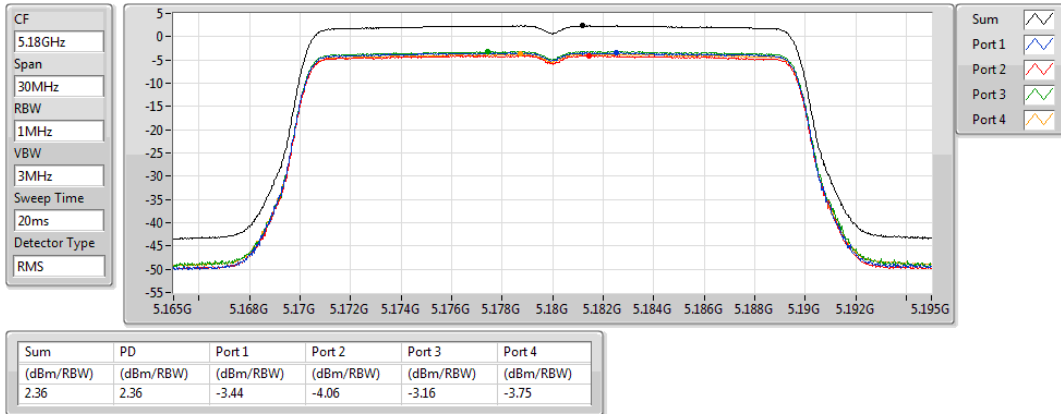
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.97      | 2.97      | -2.71     | -3.01     | -2.85     | -3.32     |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

02/03/2019

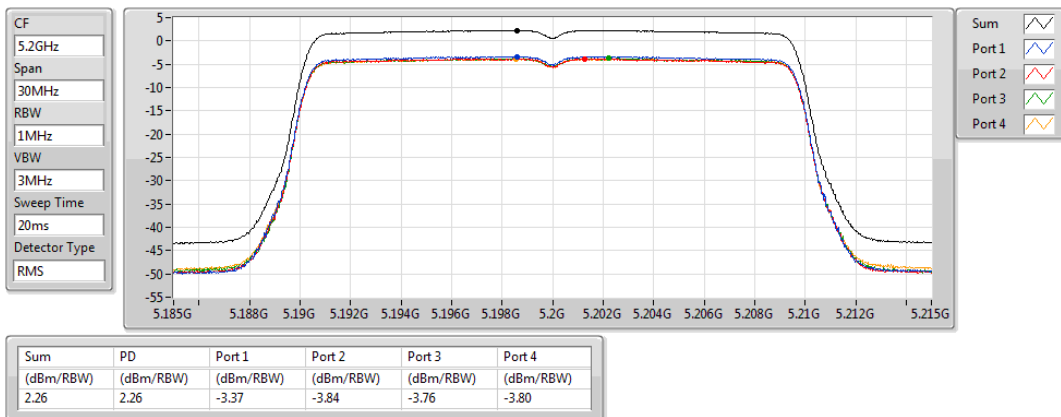


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

02/03/2019

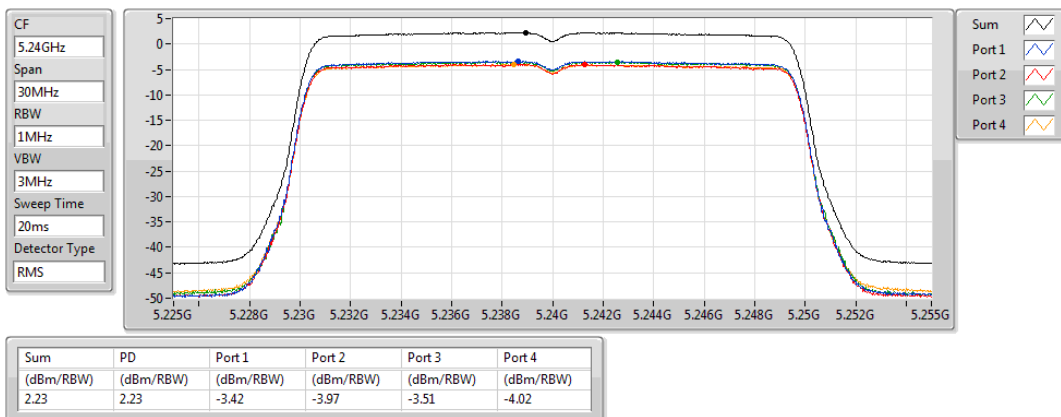


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

02/03/2019

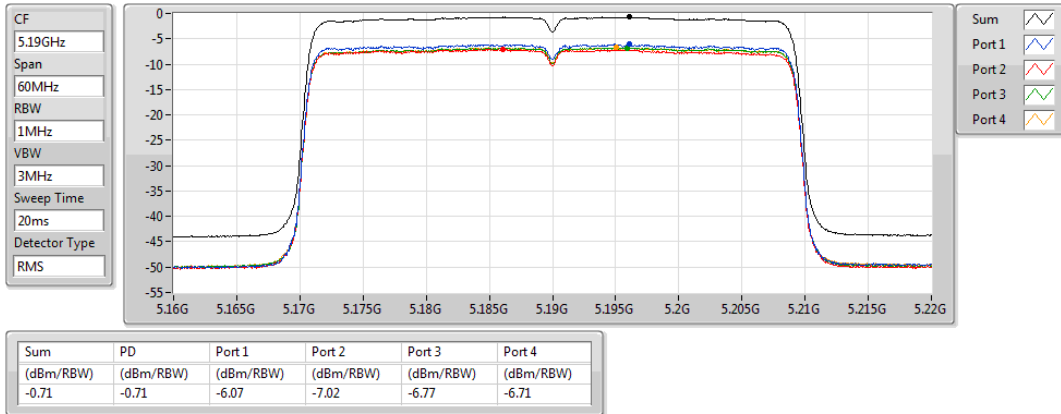


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

02/03/2019

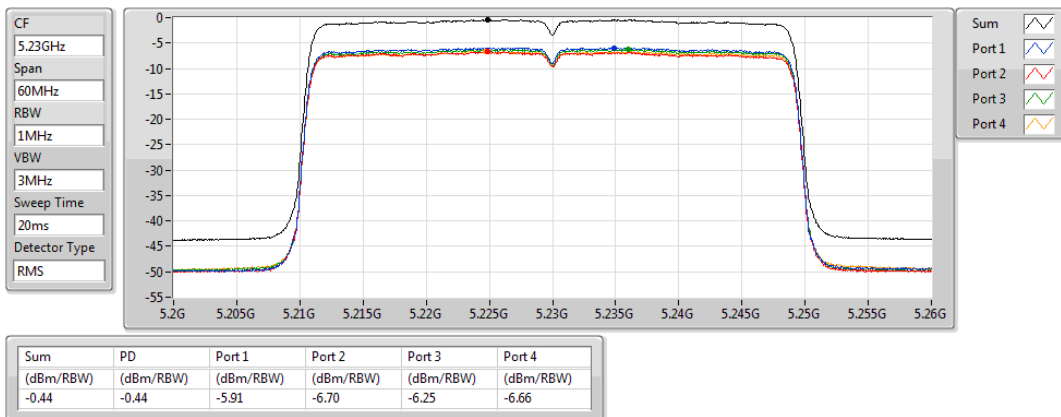


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

02/03/2019

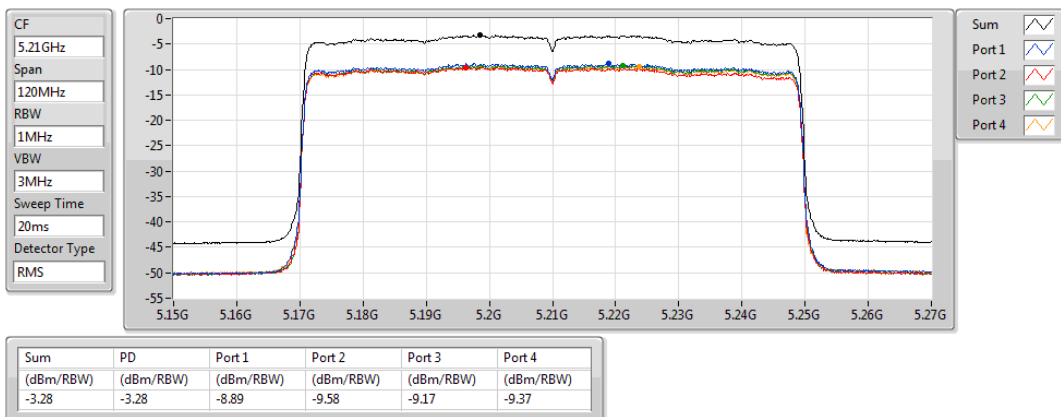


### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

02/03/2019



**For Beamforming / 4T1S mode  
Summary**

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 5.15-5.25GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -3.10           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -6.13           |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -9.29           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                           | Pass   | 9.02        | -9.54               | -8.89               | -8.29               | -9.53               | -3.10           | 13.98                 |
| 5200MHz                           | Pass   | 9.02        | -9.58               | -9.10               | -8.25               | -9.43               | -3.13           | 13.98                 |
| 5240MHz                           | Pass   | 9.02        | -9.64               | -9.36               | -8.17               | -9.92               | -3.31           | 13.98                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                           | Pass   | 9.02        | -12.05              | -11.92              | -11.81              | -12.45              | -6.13           | 13.98                 |
| 5230MHz                           | Pass   | 9.02        | -12.02              | -12.13              | -11.72              | -12.81              | -6.23           | 13.98                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                           | Pass   | 9.02        | -15.44              | -15.29              | -14.90              | -15.17              | -9.29           | 13.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

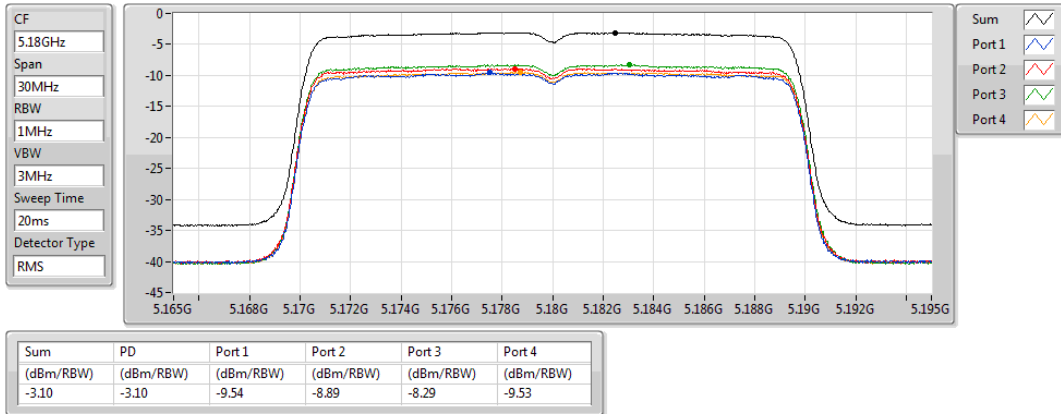
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

03/03/2019

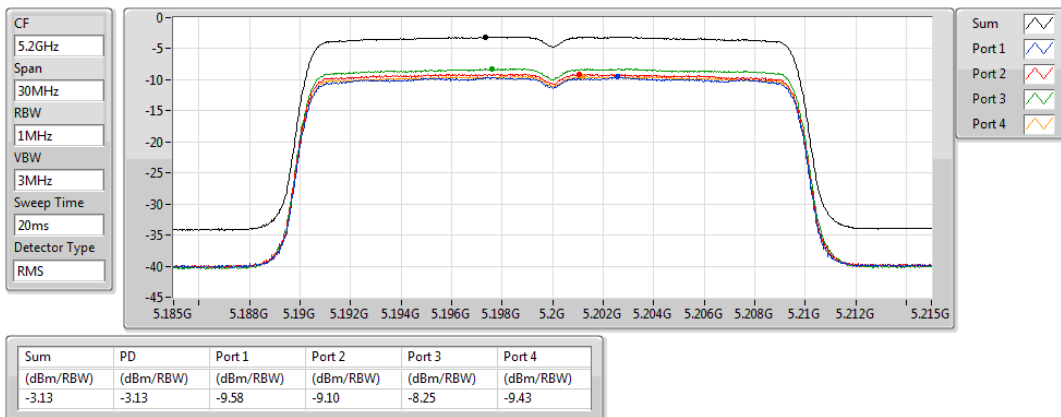


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

03/03/2019

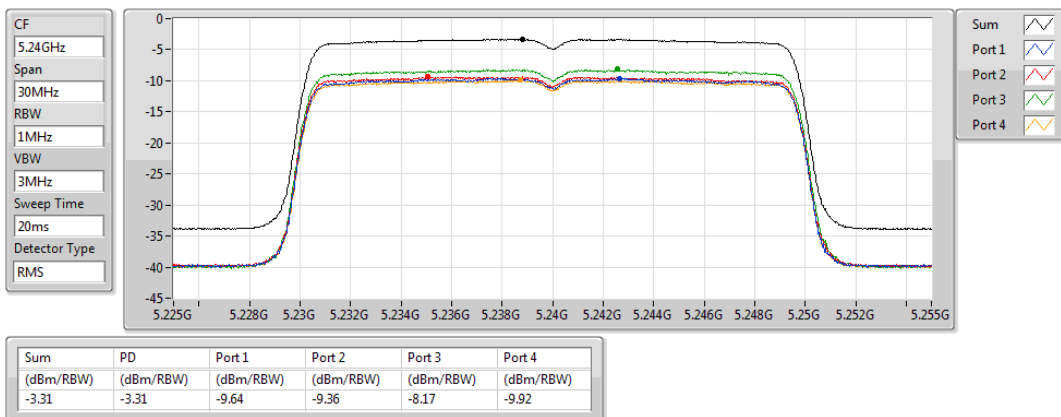


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

03/03/2019

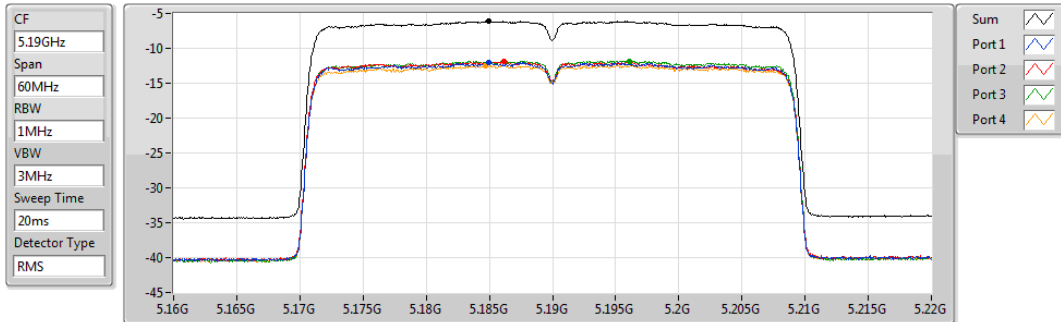


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

03/03/2019



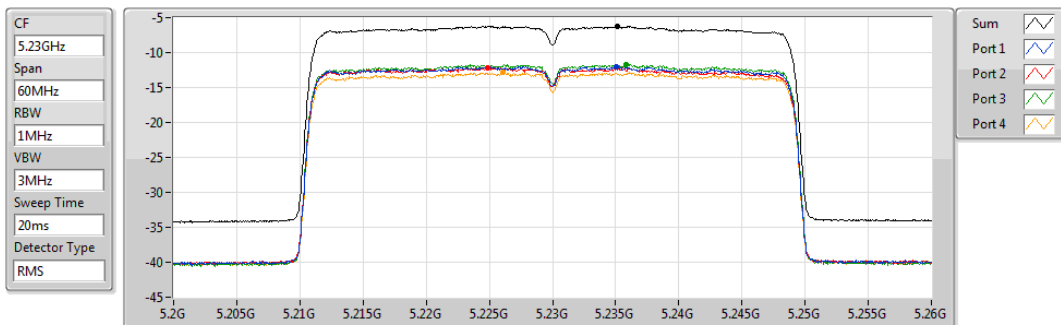
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.13    | -6.13    | -12.05   | -11.92   | -11.81   | -12.45   |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

03/03/2019



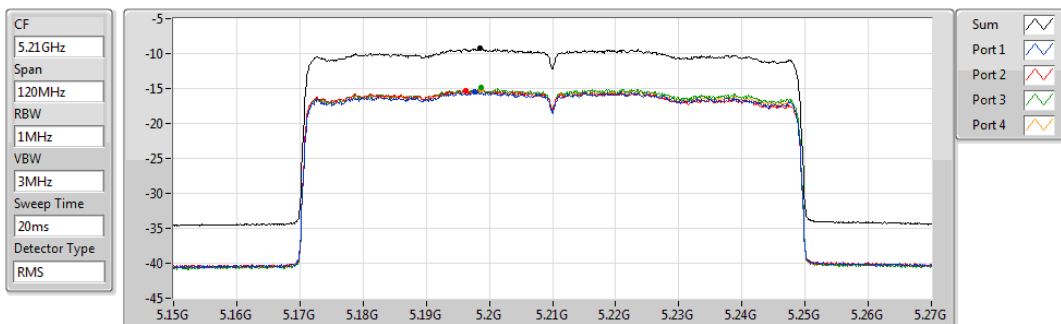
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.23    | -6.23    | -12.02   | -12.13   | -11.72   | -12.81   |

### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

03/03/2019



| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -9.29    | -9.29    | -15.44   | -15.29   | -14.90   | -15.17   |

**For Non-beamforming / 4T4S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 2.46            |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -0.21           |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -3.72           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



## PSD Result\_Radio 1

## Appendix D.20

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | -3.48               | -3.75               | -3.25               | -3.69               | 2.37            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | -3.11               | -3.93               | -3.40               | -3.60               | 2.40            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | -3.19               | -3.67               | -3.14               | -3.83               | 2.46            | 17.00                 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 3.00        | -6.01               | -6.36               | -5.70               | -6.51               | -0.24           | 17.00                 |
| 5230MHz                        | Pass   | 3.00        | -5.70               | -6.06               | -5.90               | -6.53               | -0.21           | 17.00                 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 3.00        | -9.60               | -9.84               | -9.20               | -9.50               | -3.72           | 17.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

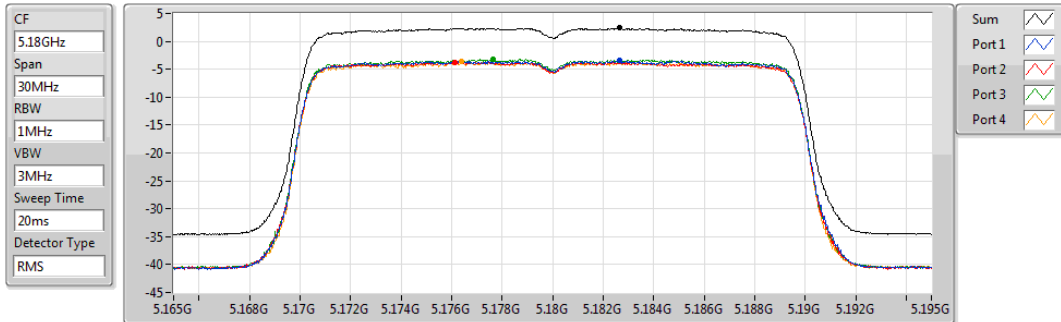
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5180MHz

02/03/2019



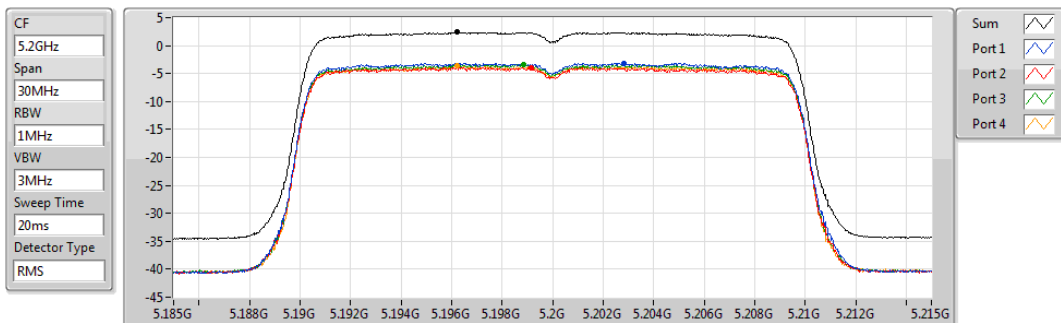
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.37     | 2.37     | -3.48    | -3.75    | -3.25    | -3.69    |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5200MHz

02/03/2019



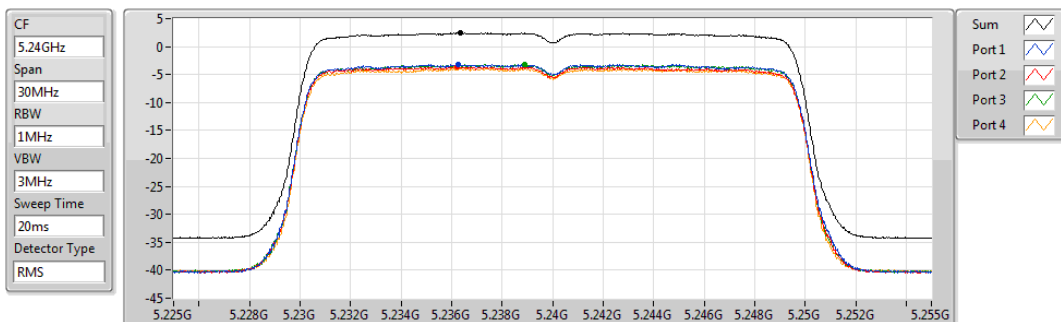
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.40     | 2.40     | -3.11    | -3.93    | -3.40    | -3.60    |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5240MHz

02/03/2019



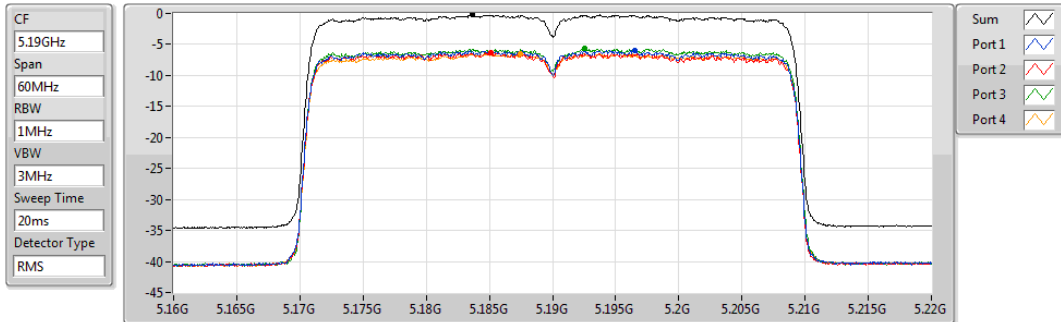
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.46     | 2.46     | -3.19    | -3.67    | -3.14    | -3.83    |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5190MHz

02/03/2019



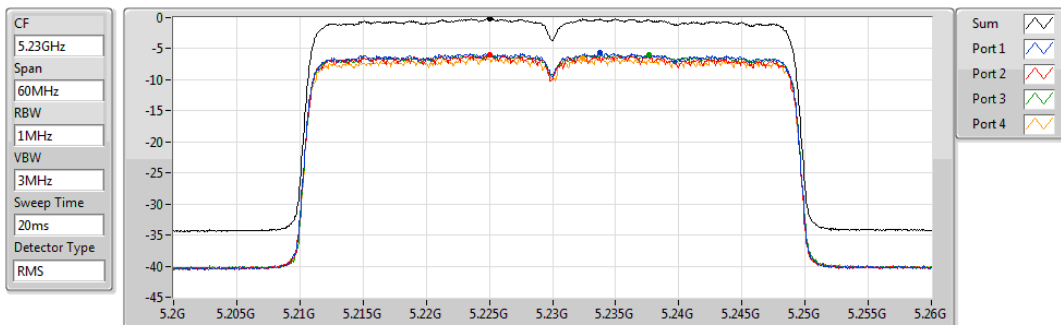
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.24     | -0.24     | -6.01     | -6.36     | -5.70     | -6.51     |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5230MHz

02/03/2019



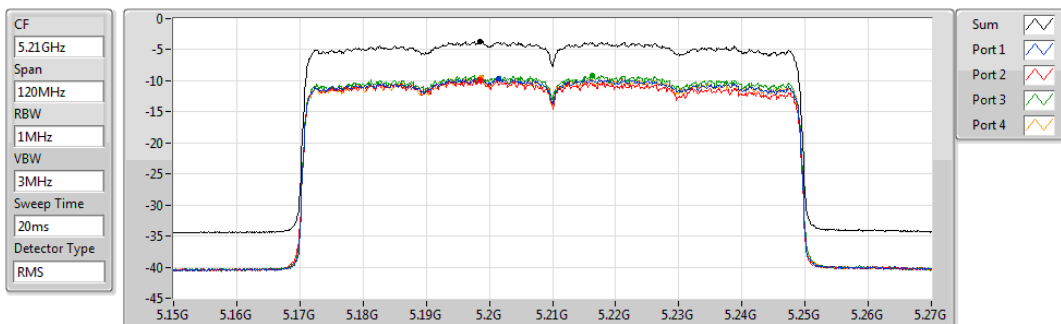
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.21     | -0.21     | -5.70     | -6.06     | -5.90     | -6.53     |

### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5210MHz

02/03/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.72     | -3.72     | -9.60     | -9.84     | -9.20     | -9.50     |



## PSD Result\_Radio 1

Appendix D.21

**Mode 2: (Ant. 6 Omni antenna / 6 dBi)**  
**For Non-beamforming / 1T1S mode**  
**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | 7.85            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 6.96            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 2.15            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -4.84           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 6.00        | 3.64                | 3.64            | 17.00                 |
| 5200MHz                        | Pass   | 6.00        | 7.44                | 7.44            | 17.00                 |
| 5240MHz                        | Pass   | 6.00        | 7.85                | 7.85            | 17.00                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 6.00        | 2.45                | 2.45            | 17.00                 |
| 5200MHz                        | Pass   | 6.00        | 6.33                | 6.33            | 17.00                 |
| 5240MHz                        | Pass   | 6.00        | 6.96                | 6.96            | 17.00                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5190MHz                        | Pass   | 6.00        | -1.80               | -1.80           | 17.00                 |
| 5230MHz                        | Pass   | 6.00        | 2.15                | 2.15            | 17.00                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5210MHz                        | Pass   | 6.00        | -4.84               | -4.84           | 17.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

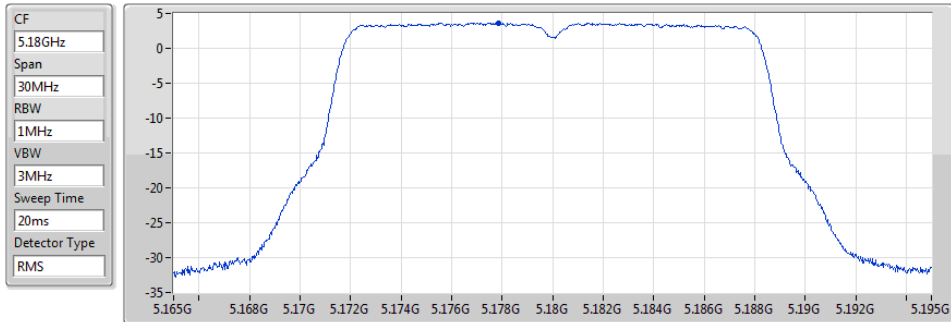
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5180MHz

28/01/2019



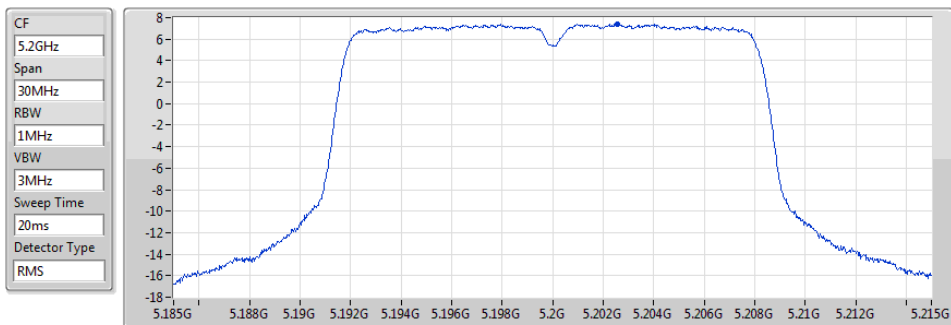
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.64     | 3.64     | 3.64     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5200MHz

28/01/2019



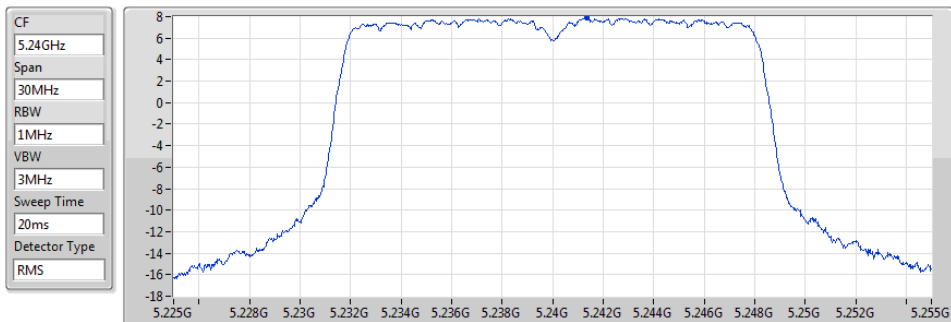
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.44     | 7.44     | 7.44     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5240MHz

28/01/2019



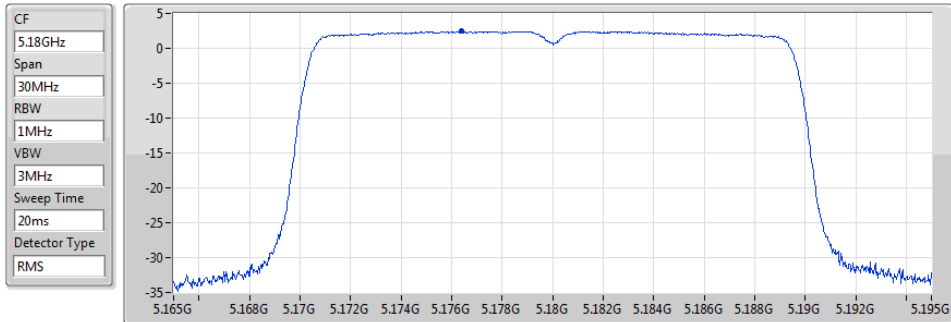
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.85     | 7.85     | 7.85     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5180MHz

28/01/2019



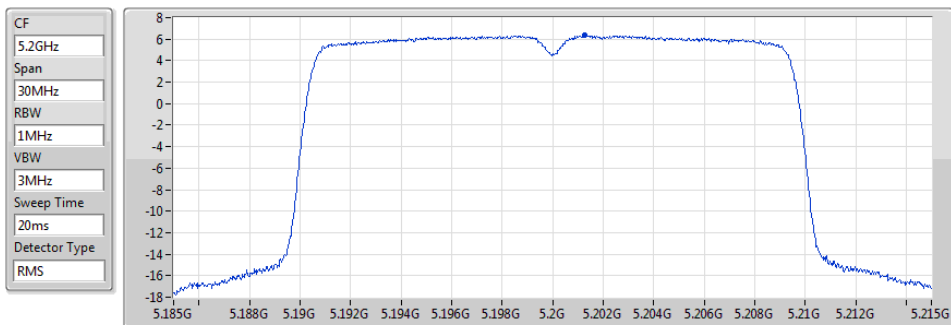
| Sum          | PD           | Port 1       |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 2.45         | 2.45         | 2.45         |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5200MHz

28/01/2019



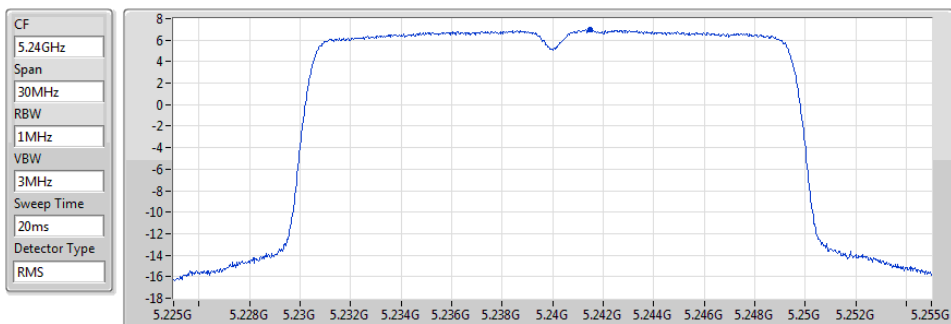
| Sum          | PD           | Port 1       |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 6.33         | 6.33         | 6.33         |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5240MHz

28/01/2019



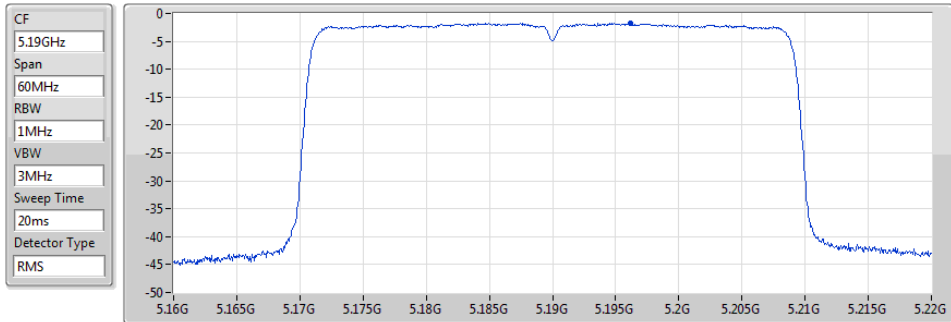
| Sum          | PD           | Port 1       |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 6.96         | 6.96         | 6.96         |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5190MHz

28/01/2019



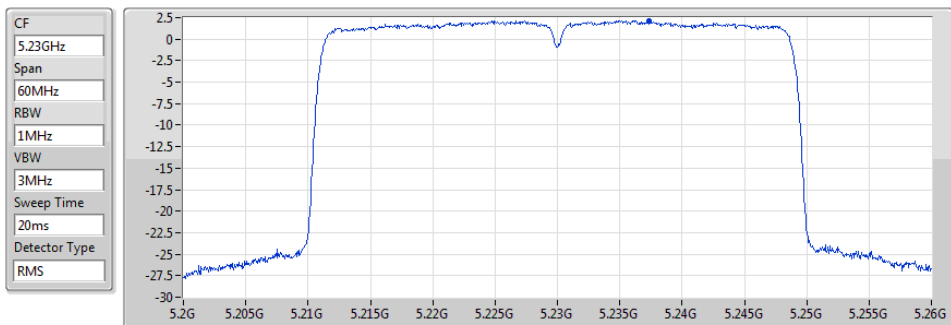
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -1.80    | -1.80    | -1.80    |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5230MHz

28/01/2019



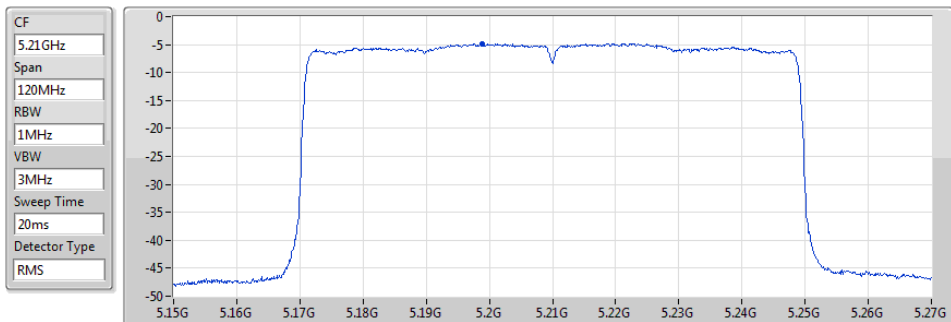
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.15     | 2.15     | 2.15     |

### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5210MHz

28/01/2019



| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.84    | -4.84    | -4.84    |



## PSD Result\_Radio 1

Appendix D.22

### For Non-beamforming / 2T2S mode Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | 10.00           |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | 4.68            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -2.49           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 6.00        | 1.97                | 1.54                | 4.72            | 17.00                 |
| 5200MHz                        | Pass   | 6.00        | 5.46                | 5.10                | 8.26            | 17.00                 |
| 5240MHz                        | Pass   | 6.00        | 7.21                | 6.96                | 10.00           | 17.00                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 6.00        | -2.10               | -1.99               | 0.85            | 17.00                 |
| 5230MHz                        | Pass   | 6.00        | 1.86                | 1.65                | 4.68            | 17.00                 |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 6.00        | -5.02               | -5.81               | -2.49           | 17.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

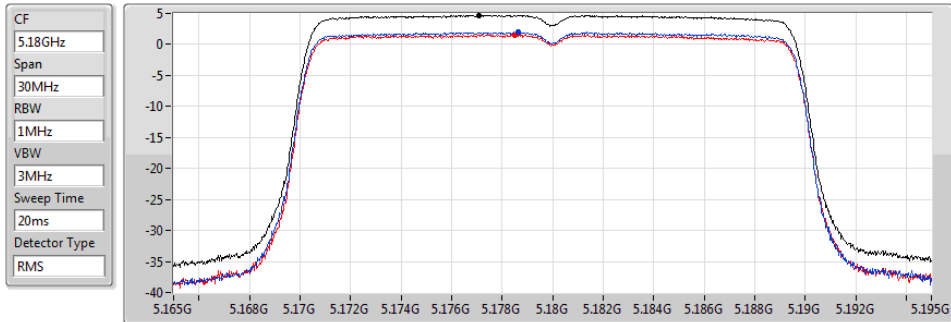
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5180MHz

28/01/2019



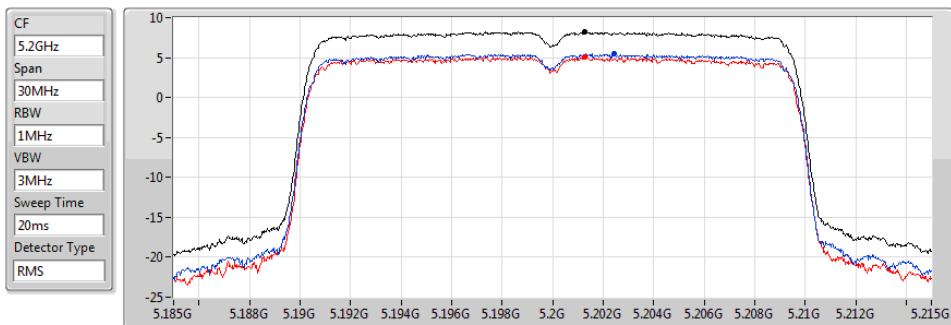
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| 4.72        | 4.72        | 1.97        | 1.54        |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5200MHz

28/01/2019



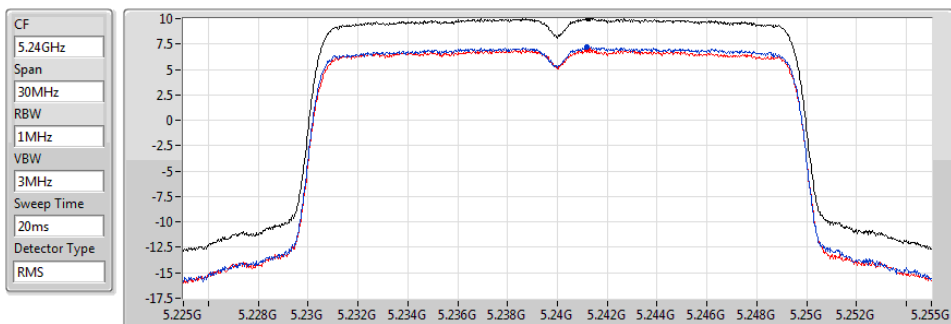
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| 8.26        | 8.26        | 5.46        | 5.10        |

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5240MHz

28/01/2019



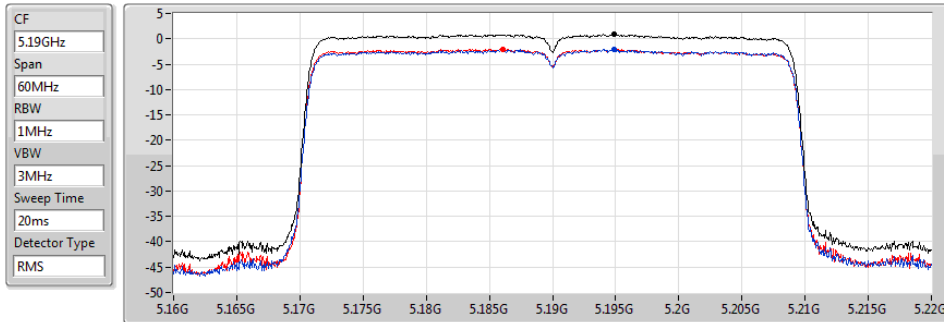
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| 10.00       | 10.00       | 7.21        | 6.96        |

### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5190MHz

28/01/2019



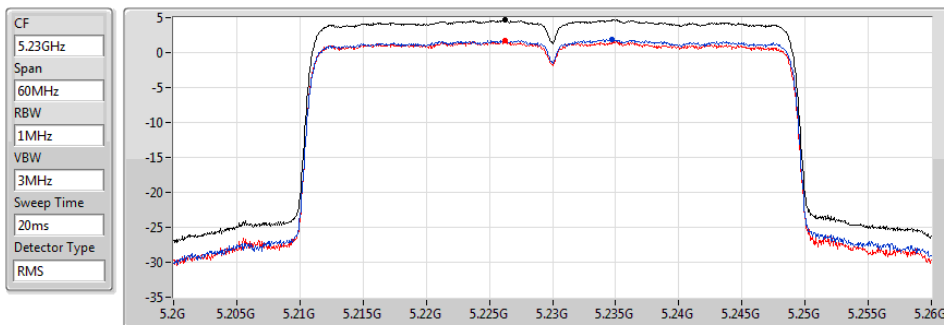
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.85     | 0.85     | -2.10    | -1.99    |

### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5230MHz

28/01/2019



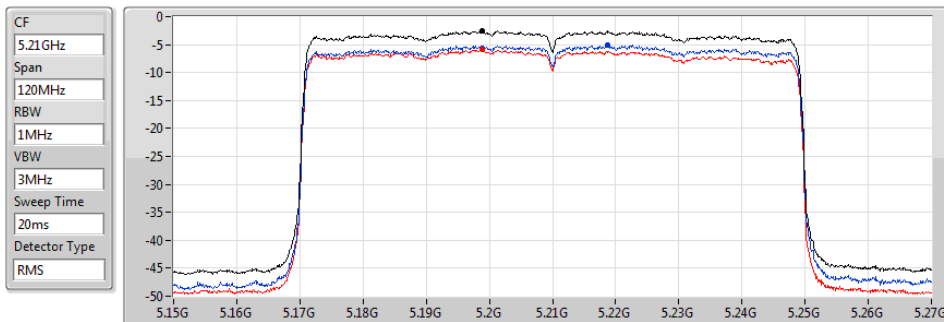
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.68     | 4.68     | 1.86     | 1.65     |

### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5210MHz

28/01/2019



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -2.49    | -2.49    | -5.02    | -5.81    |





## PSD Result\_Radio 1

Appendix D.23

### For Non-beamforming / 4T1S mode Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 10.92           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 10.90           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 6.26            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -1.23           |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 12.02       | 1.23                | 0.50                | 0.83                | 0.58                | 6.68            | 10.98                 |
| 5200MHz                        | Pass   | 12.02       | 4.89                | 5.11                | 5.09                | 4.43                | 10.78           | 10.98                 |
| 5240MHz                        | Pass   | 12.02       | 5.29                | 4.90                | 5.21                | 4.61                | 10.92           | 10.98                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 12.02       | 1.35                | 1.29                | 1.33                | 0.78                | 7.15            | 10.98                 |
| 5200MHz                        | Pass   | 12.02       | 4.97                | 4.97                | 5.18                | 4.83                | 10.90           | 10.98                 |
| 5240MHz                        | Pass   | 12.02       | 5.02                | 4.67                | 5.32                | 4.70                | 10.87           | 10.98                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 12.02       | -3.59               | -4.10               | -3.85               | -4.37               | 1.97            | 10.98                 |
| 5230MHz                        | Pass   | 12.02       | 0.44                | 0.18                | 0.50                | 0.25                | 6.26            | 10.98                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 12.02       | -6.83               | -7.46               | -6.77               | -7.56               | -1.23           | 10.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

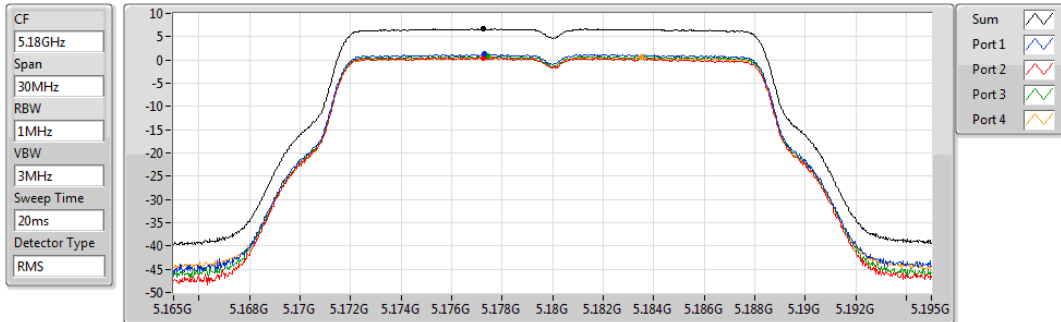
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

28/01/2019



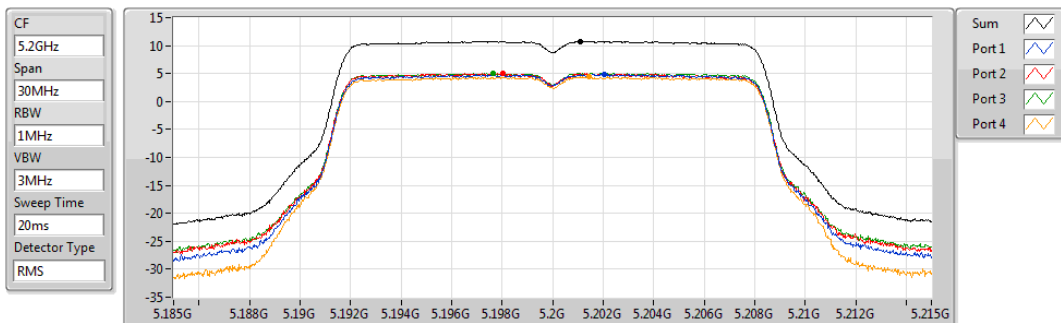
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.68      | 6.68      | 1.23      | 0.50      | 0.83      | 0.58      |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5200MHz

28/01/2019



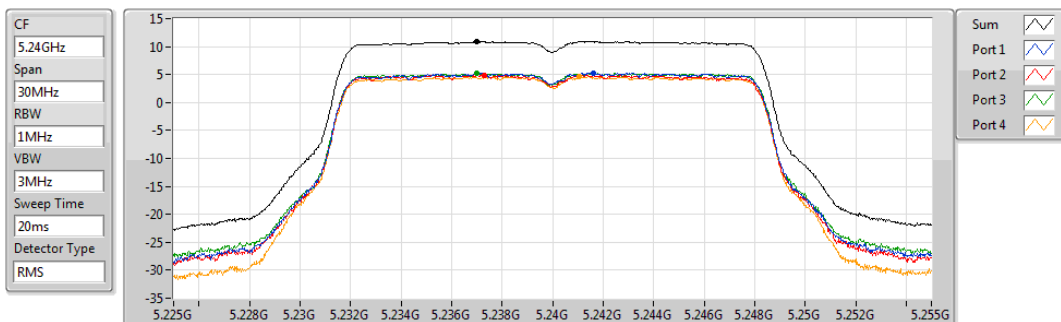
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.78     | 10.78     | 4.89      | 5.11      | 5.09      | 4.43      |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5240MHz

28/01/2019



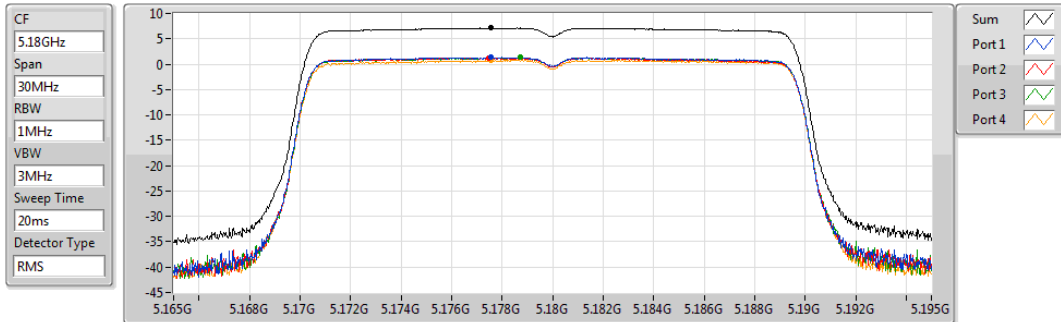
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.92     | 10.92     | 5.29      | 4.90      | 5.21      | 4.61      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

28/01/2019



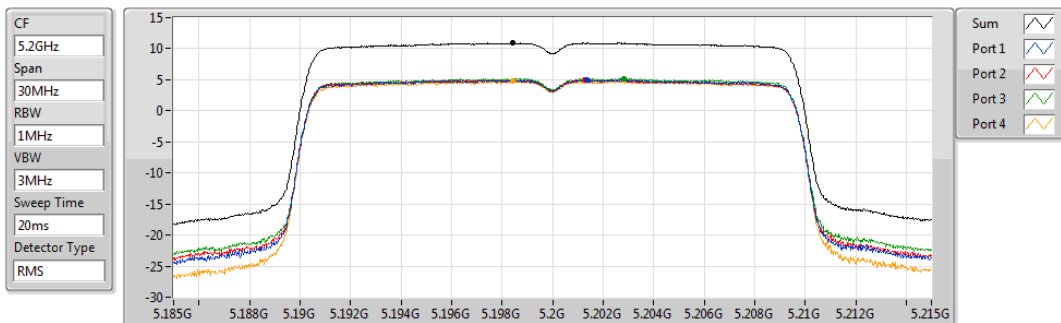
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.15     | 7.15     | 1.35     | 1.29     | 1.33     | 0.78     |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

28/01/2019



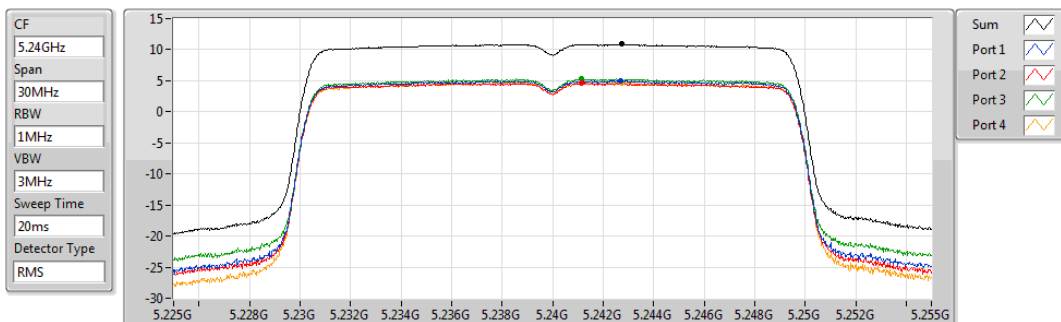
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.90    | 10.90    | 4.97     | 4.97     | 5.18     | 4.83     |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

28/01/2019



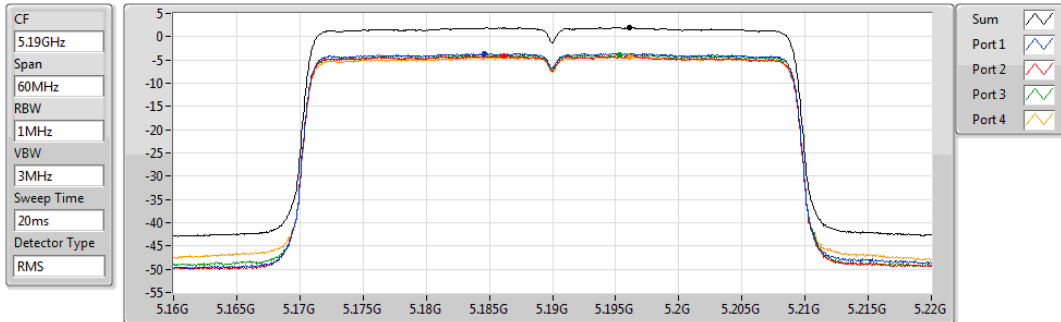
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.87    | 10.87    | 5.02     | 4.67     | 5.32     | 4.70     |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

28/01/2019



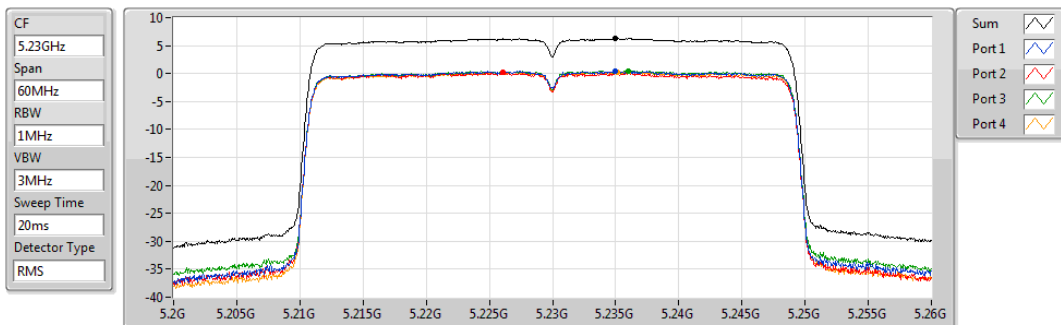
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.97      | 1.97      | -3.59     | -4.10     | -3.85     | -4.37     |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

28/01/2019



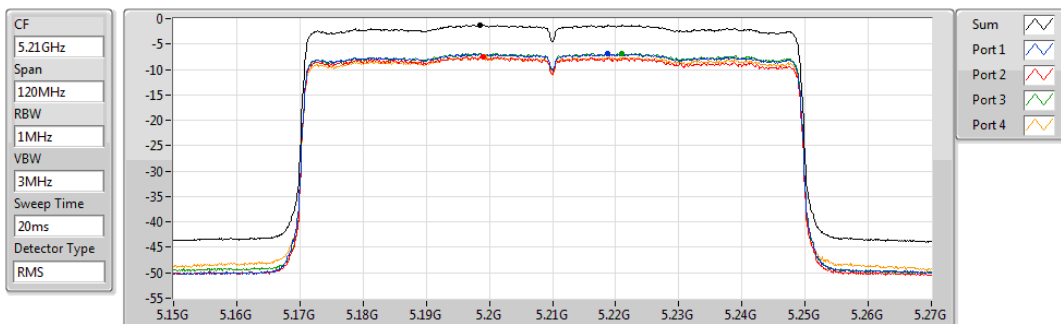
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.26      | 6.26      | 0.44      | 0.18      | 0.50      | 0.25      |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

28/01/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.23     | -1.23     | -6.83     | -7.46     | -6.77     | -7.56     |



## PSD Result\_Radio 1

Appendix D.24

### For Beamforming / 4T1S mode Summary

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 5.15-5.25GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 7.86            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 4.79            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.06            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



## PSD Result\_Radio 1

## Appendix D.24

### Result

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                           | Pass   | 12.02       | 1.01                | 1.32                | 2.21                | 0.77                | 7.27            | 10.98                 |
| 5200MHz                           | Pass   | 12.02       | 1.13                | 2.19                | 2.51                | 1.69                | 7.86            | 10.98                 |
| 5240MHz                           | Pass   | 12.02       | 1.43                | 2.25                | 2.34                | 1.56                | 7.85            | 10.98                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                           | Pass   | 12.02       | -3.05               | -2.96               | -2.96               | -3.60               | 2.75            | 10.98                 |
| 5230MHz                           | Pass   | 12.02       | -0.88               | -0.93               | -1.09               | -1.51               | 4.79            | 10.98                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                           | Pass   | 12.02       | -5.71               | -5.75               | -5.97               | -5.96               | 0.06            | 10.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

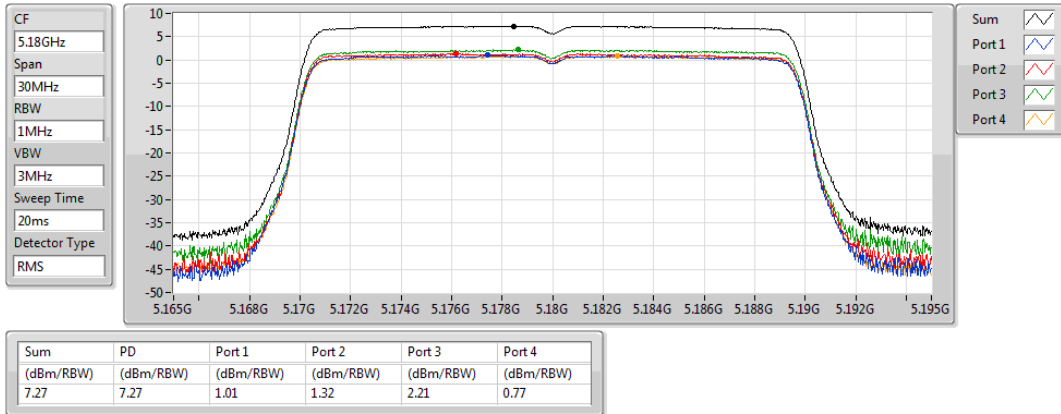
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

25/01/2019

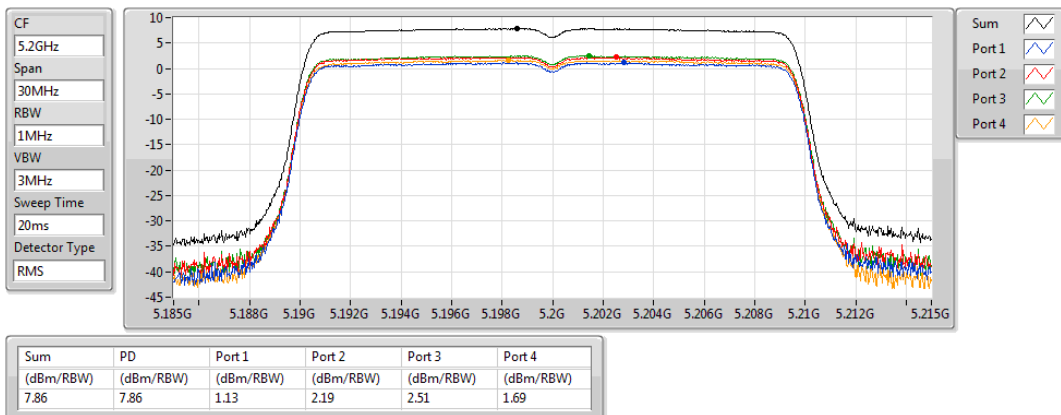


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

04/03/2019

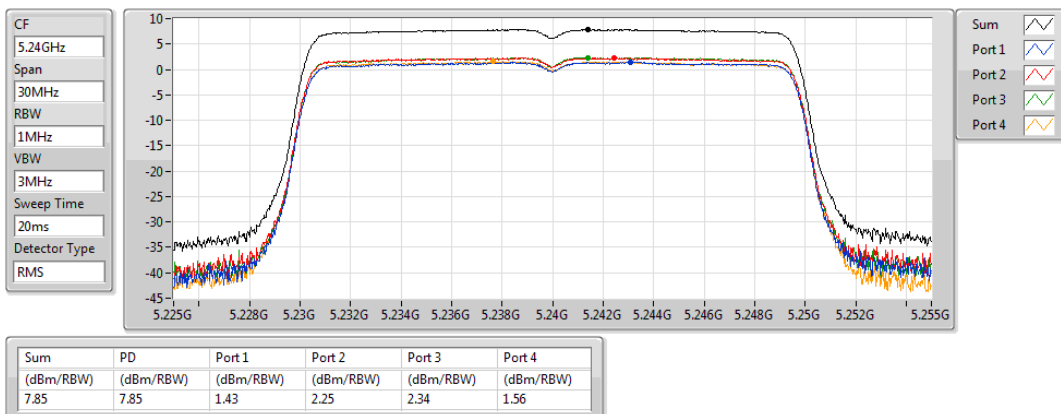


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

04/03/2019



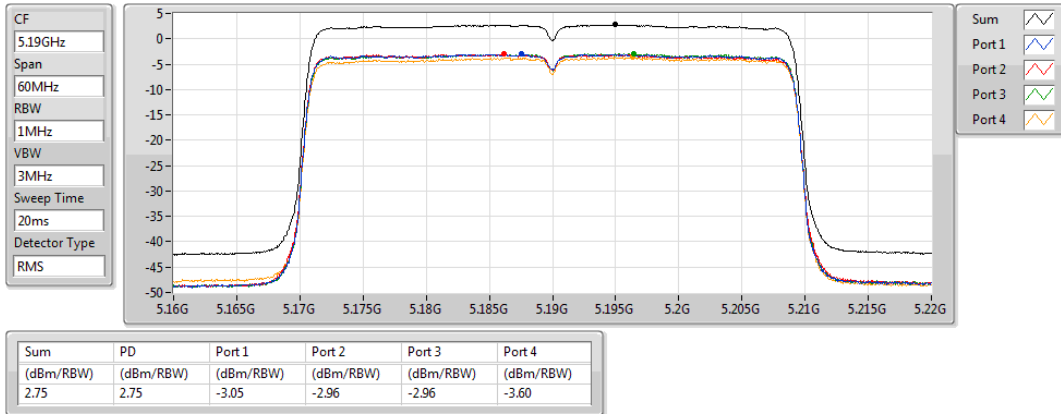


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

25/01/2019

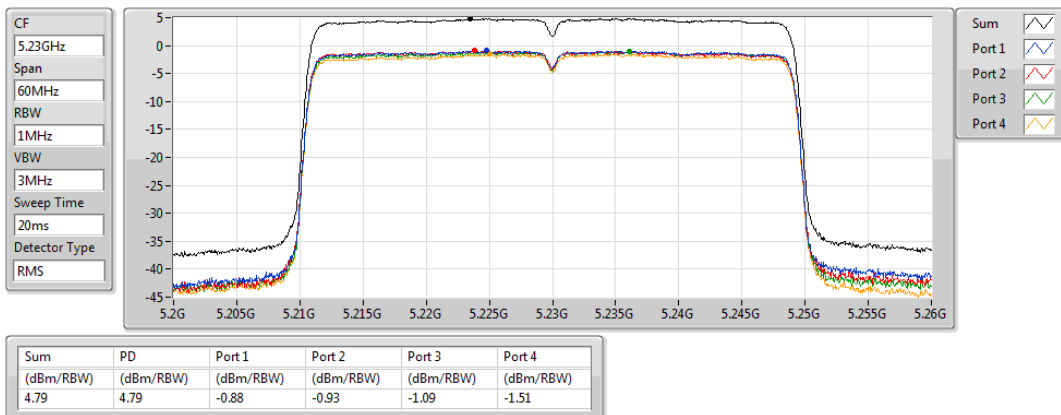


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

04/03/2019

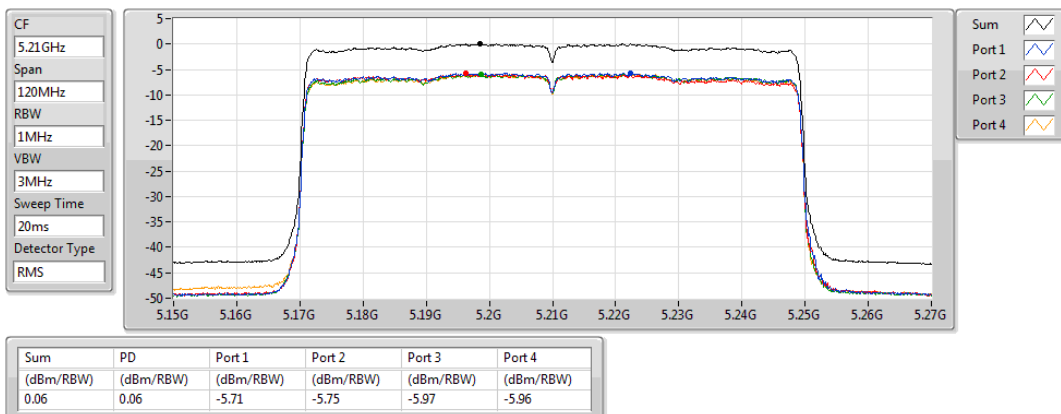


### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

25/01/2019





## PSD Result\_Radio 1

Appendix D.25

### For Non-beamforming / 4T4S mode Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 13.07           |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 5.68            |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -3.48           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



## PSD Result\_Radio 1

## Appendix D.25

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 6.00        | 1.26                | 1.00                | 1.68                | 0.76                | 7.08            | 17.00                 |
| 5200MHz                        | Pass   | 6.00        | 4.98                | 4.59                | 5.05                | 4.36                | 10.63           | 17.00                 |
| 5240MHz                        | Pass   | 6.00        | 7.40                | 7.11                | 7.36                | 6.99                | 13.07           | 17.00                 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 6.00        | -3.49               | -4.33               | -3.50               | -4.45               | 1.98            | 17.00                 |
| 5230MHz                        | Pass   | 6.00        | -0.04               | -0.41               | 0.05                | -0.30               | 5.68            | 17.00                 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 6.00        | -9.00               | -9.63               | -9.19               | -9.80               | -3.48           | 17.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

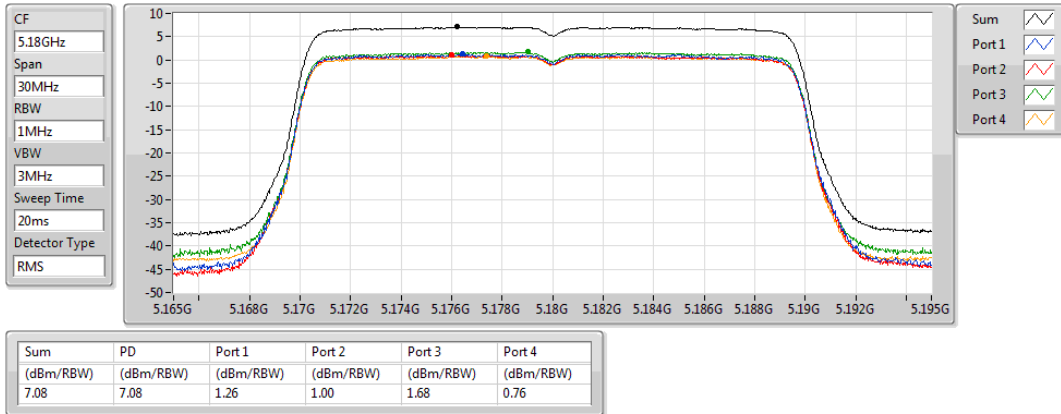
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5180MHz

28/01/2019

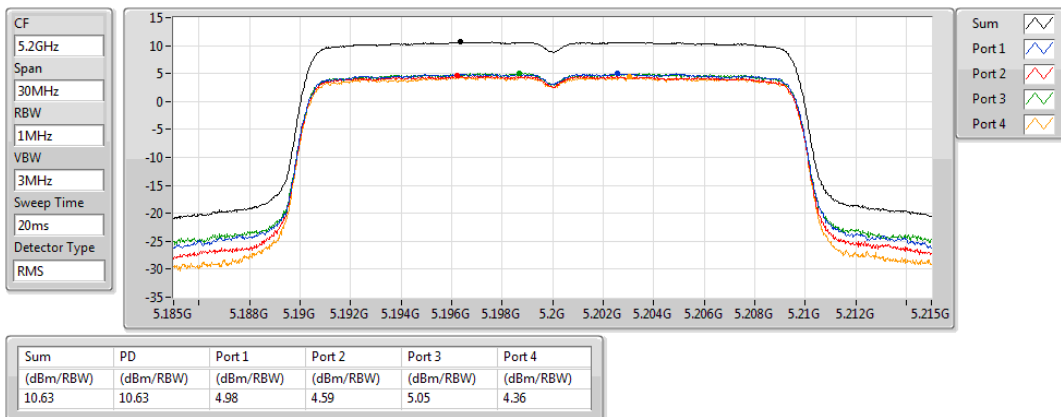


### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5200MHz

28/01/2019

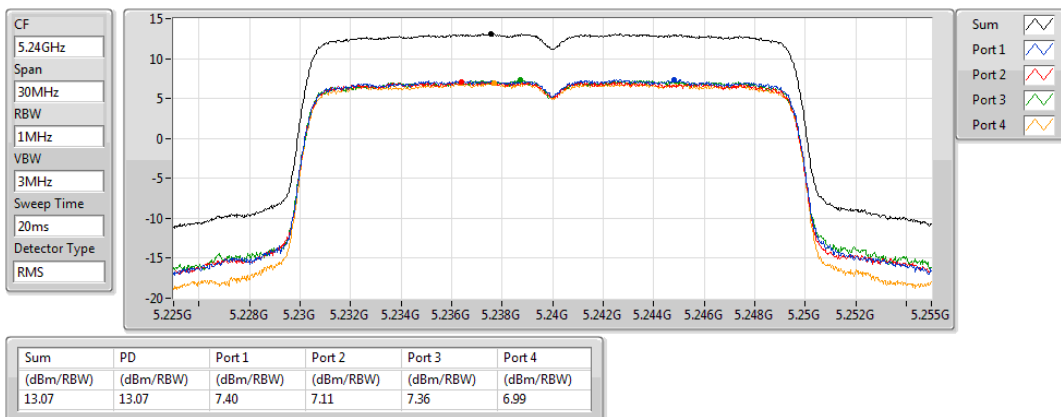


### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5240MHz

28/01/2019

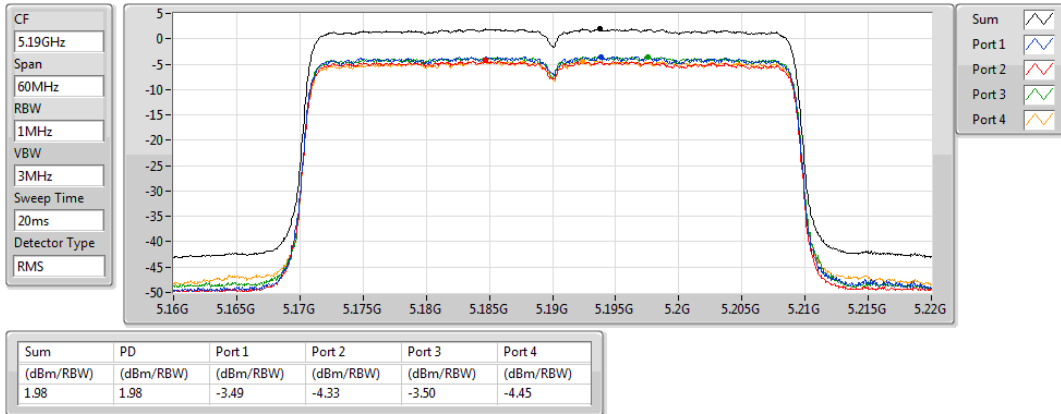


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5190MHz

28/01/2019

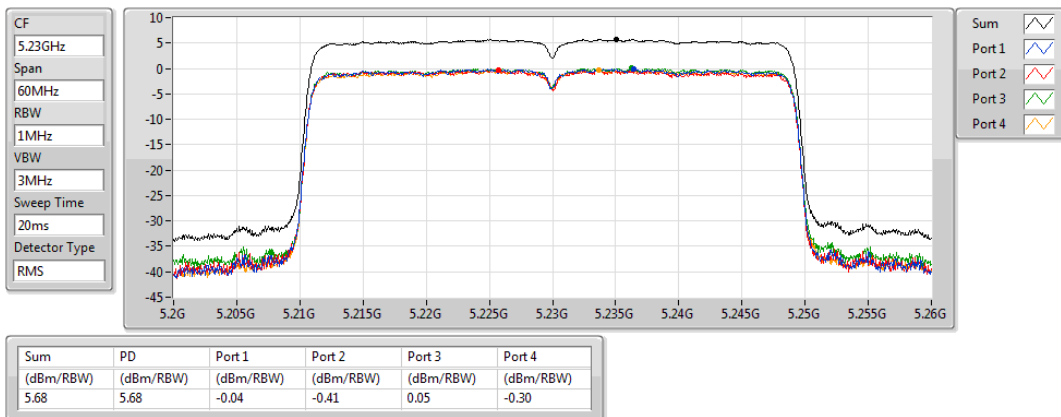


### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5230MHz

28/01/2019

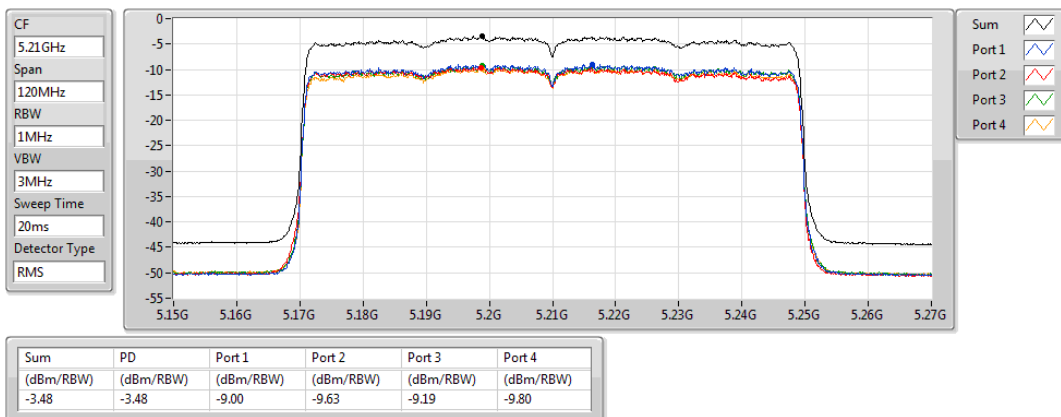


### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5210MHz

28/01/2019



**Mode 3: (Ant. 11 Panel antenna / 8.7 dBi)**  
**For Non-beamforming / 1T1S mode**  
**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | -0.03           |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -0.78           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -3.20           |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -6.11           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | -0.21               | -0.21           | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | -0.32               | -0.32           | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | -0.03               | -0.03           | 14.30                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | -0.78               | -0.78           | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | -0.80               | -0.80           | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | -0.80               | -0.80           | 14.30                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5190MHz                        | Pass   | 8.70        | -3.76               | -3.76           | 14.30                 |
| 5230MHz                        | Pass   | 8.70        | -3.20               | -3.20           | 14.30                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5210MHz                        | Pass   | 8.70        | -6.11               | -6.11           | 14.30                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

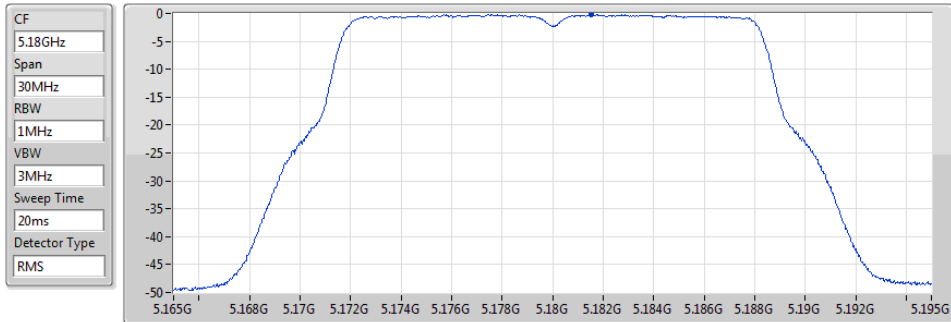
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5180MHz

28/02/2019



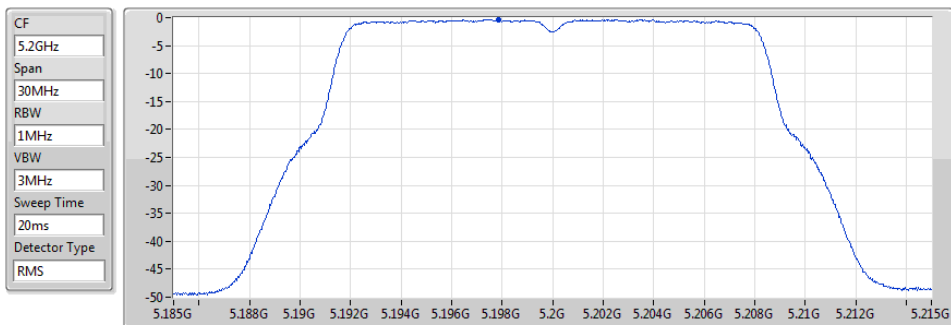
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.21    | -0.21    | -0.21    |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5200MHz

28/02/2019



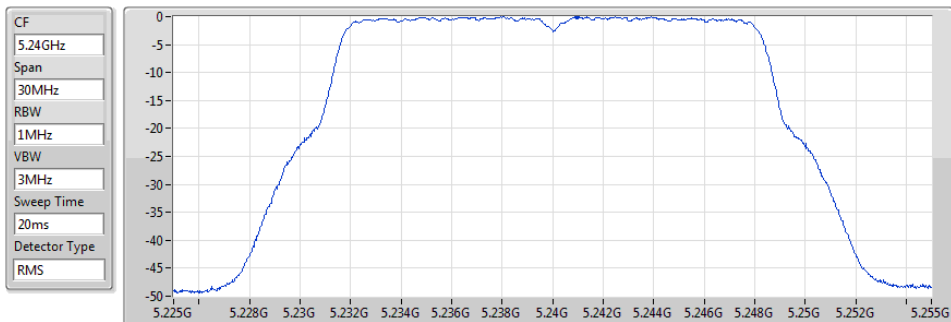
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.32    | -0.32    | -0.32    |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5240MHz

28/02/2019



| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.03    | -0.03    | -0.03    |



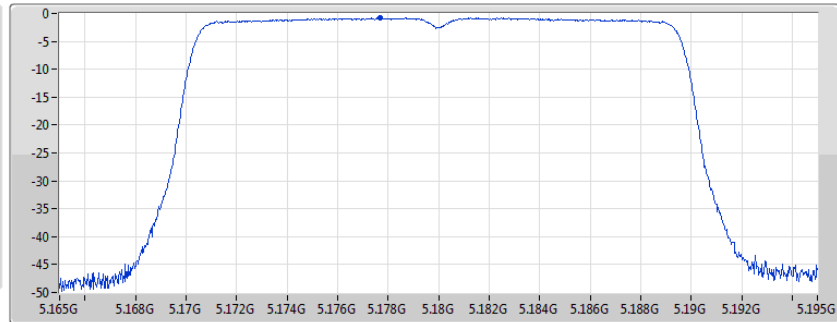
### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5180MHz

28/02/2019

CF  
5.18GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.78    | -0.78    | -0.78    |

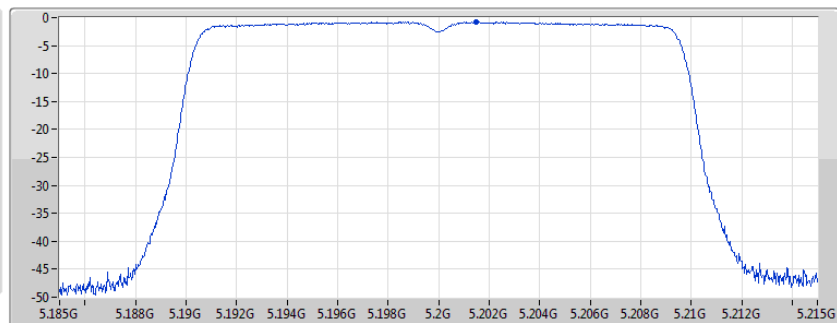
### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5200MHz

28/02/2019

CF  
5.2GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.80    | -0.80    | -0.80    |

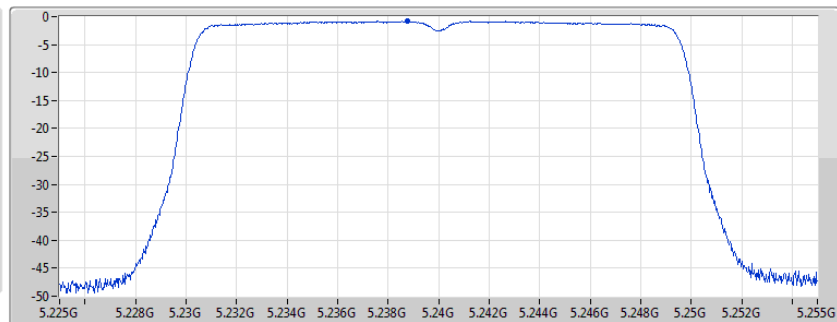
### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5240MHz

28/02/2019

CF  
5.24GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Port 1

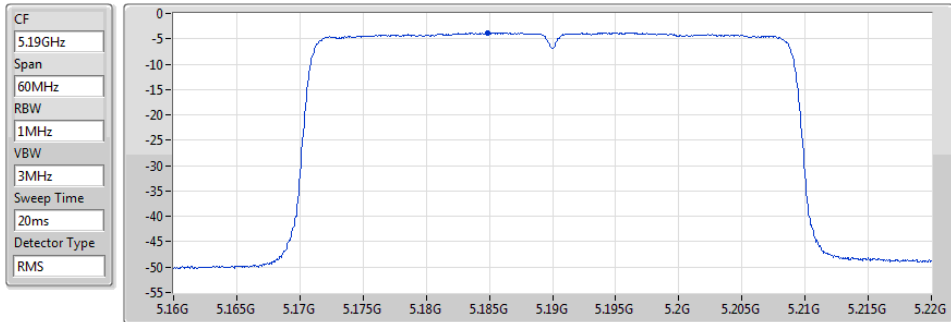
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.80    | -0.80    | -0.80    |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5190MHz

28/02/2019



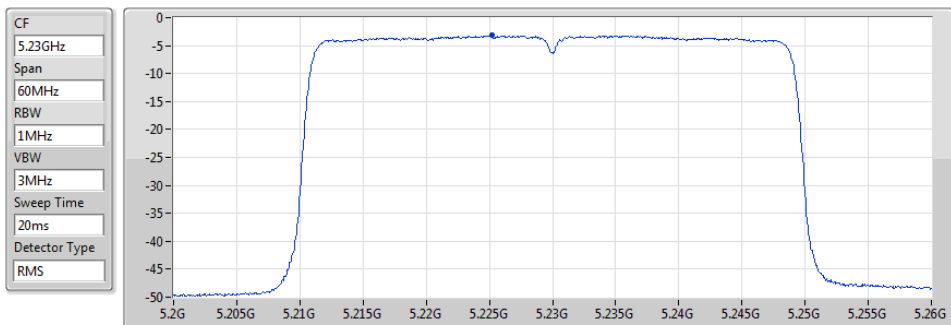
| Sum          | PD           | Port 1       |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -3.76        | -3.76        | -3.76        |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5230MHz

28/02/2019



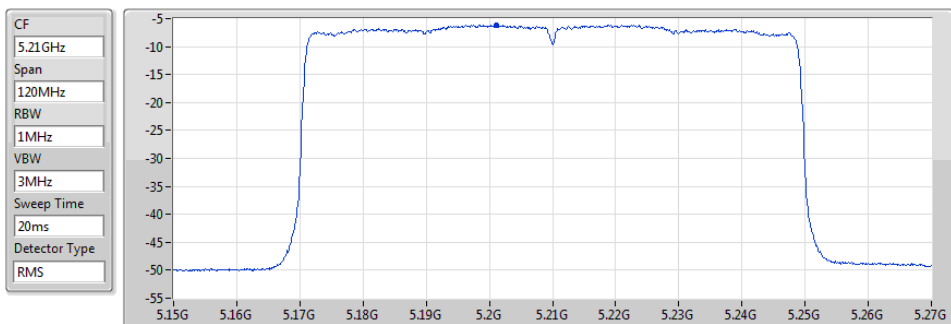
| Sum          | PD           | Port 1       |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -3.20        | -3.20        | -3.20        |

### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5210MHz

28/02/2019



| Sum          | PD           | Port 1       |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -6.11        | -6.11        | -6.11        |

**For Non-beamforming / 2T2S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | -0.63           |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -3.47           |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -6.19           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | -3.57               | -4.25               | -0.94           | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | -3.35               | -4.29               | -0.85           | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | -3.20               | -3.96               | -0.63           | 14.30                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 8.70        | -6.04               | -6.77               | -3.47           | 14.30                 |
| 5230MHz                        | Pass   | 8.70        | -6.32               | -6.75               | -3.58           | 14.30                 |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 8.70        | -8.81               | -9.58               | -6.19           | 14.30                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

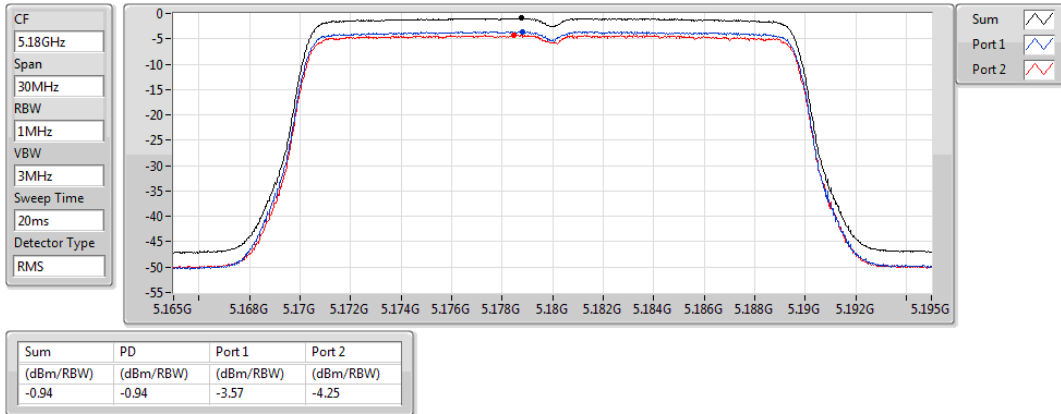
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5180MHz

28/02/2019

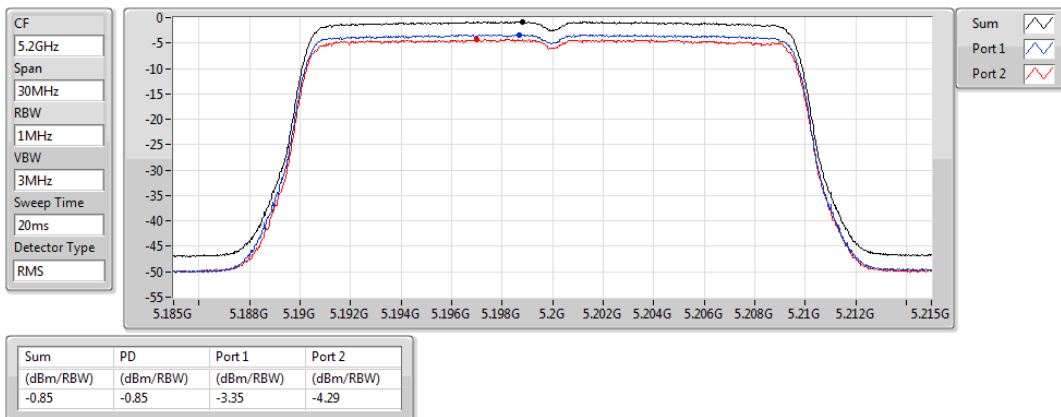


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5200MHz

28/02/2019

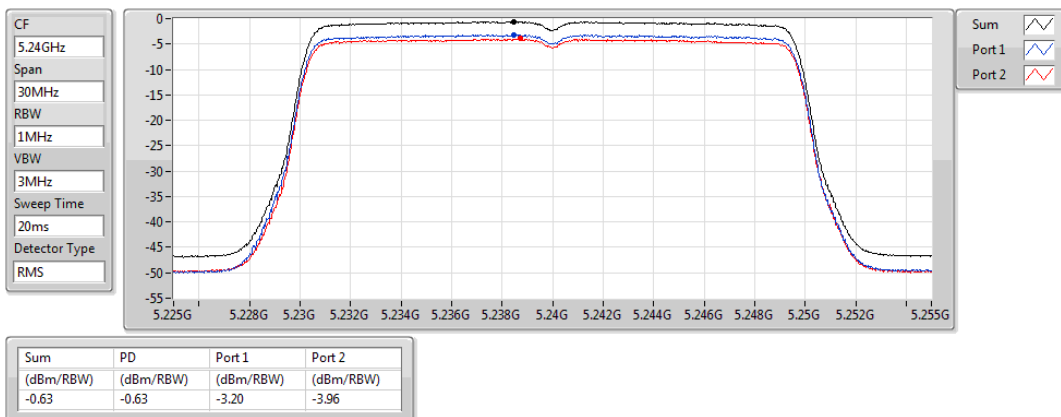


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5240MHz

28/02/2019

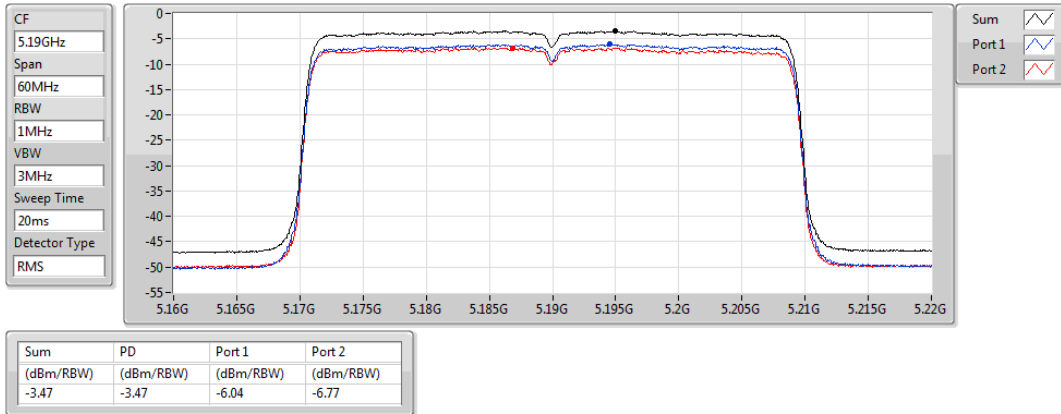


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5190MHz

28/02/2019

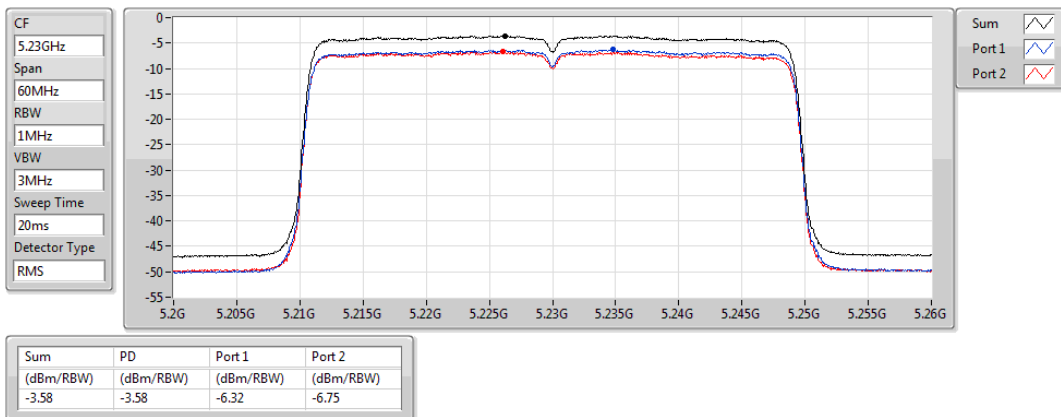


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5230MHz

28/02/2019

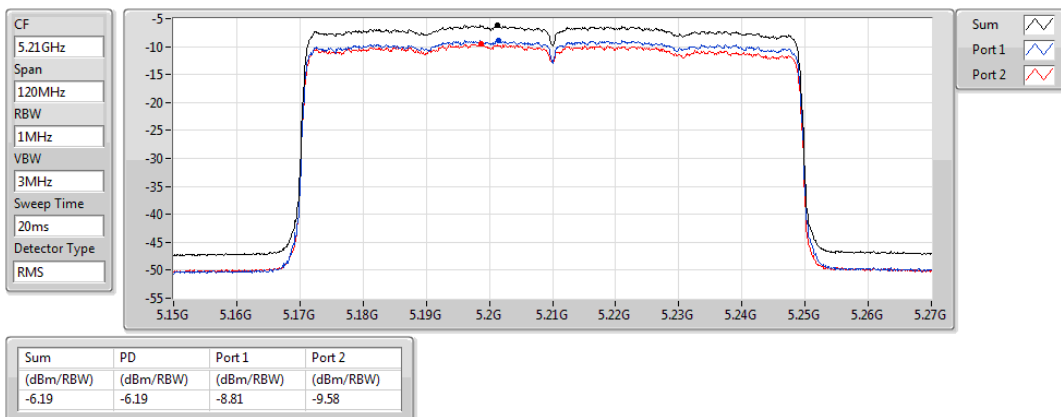


### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5210MHz

28/02/2019



**For Non-beamforming / 4T1S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | -0.31           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -0.48           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -3.13           |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -6.03           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 14.72       | -6.30               | -6.85               | -5.88               | -6.29               | -0.42           | 8.28                  |
| 5200MHz                        | Pass   | 14.72       | -6.07               | -6.97               | -6.00               | -6.29               | -0.41           | 8.28                  |
| 5240MHz                        | Pass   | 14.72       | -5.84               | -6.59               | -5.90               | -6.39               | -0.31           | 8.28                  |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 14.72       | -6.41               | -7.06               | -5.99               | -6.78               | -0.57           | 8.28                  |
| 5200MHz                        | Pass   | 14.72       | -6.39               | -6.99               | -5.95               | -6.41               | -0.48           | 8.28                  |
| 5240MHz                        | Pass   | 14.72       | -6.09               | -7.11               | -6.23               | -6.46               | -0.52           | 8.28                  |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 14.72       | -8.96               | -9.92               | -8.70               | -9.30               | -3.29           | 8.28                  |
| 5230MHz                        | Pass   | 14.72       | -8.58               | -9.82               | -8.75               | -9.25               | -3.13           | 8.28                  |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 14.72       | -11.73              | -12.60              | -11.45              | -12.27              | -6.03           | 8.28                  |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

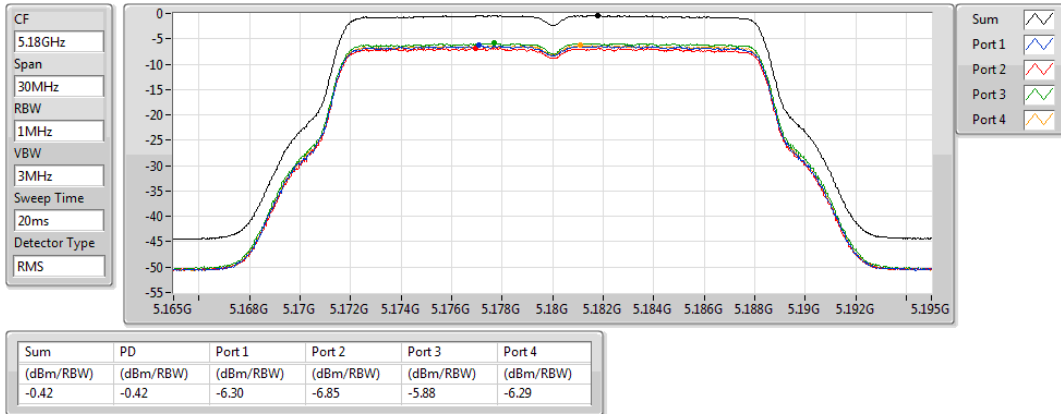


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

28/02/2019

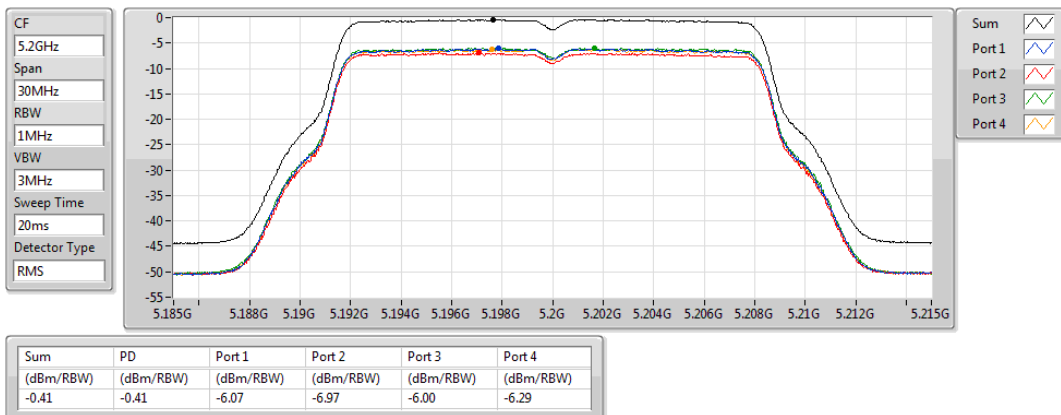


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5200MHz

28/02/2019

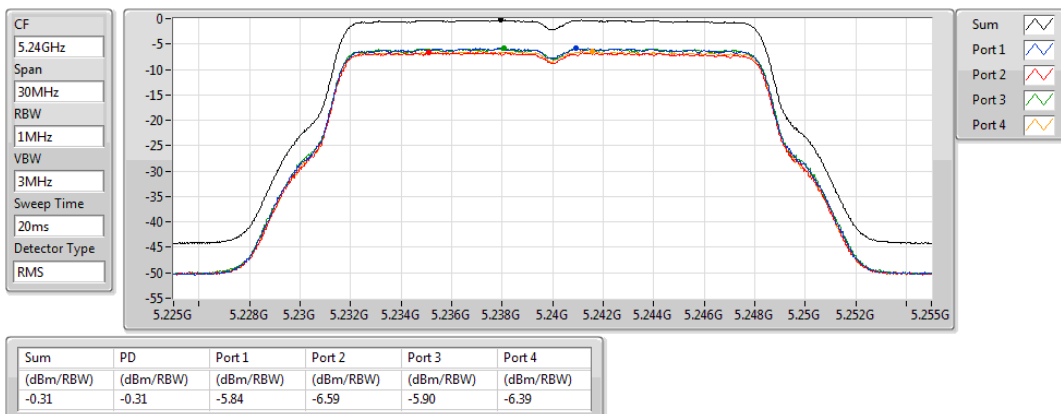


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5240MHz

28/02/2019

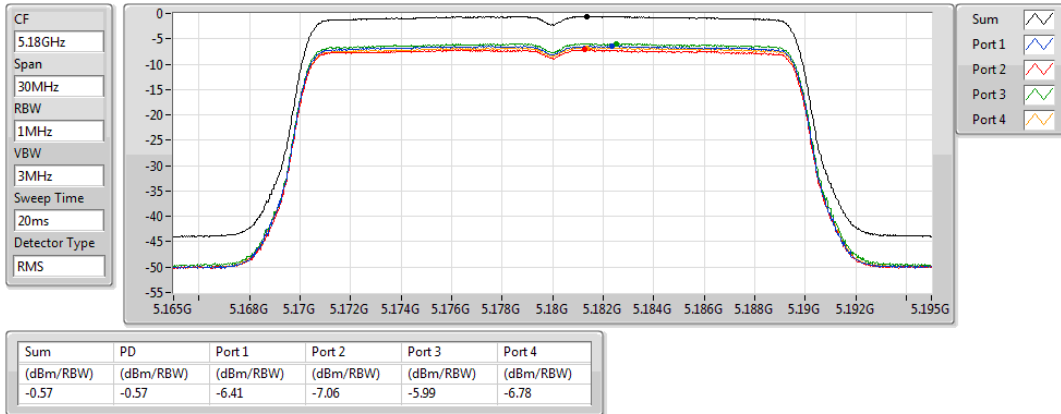


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

28/02/2019

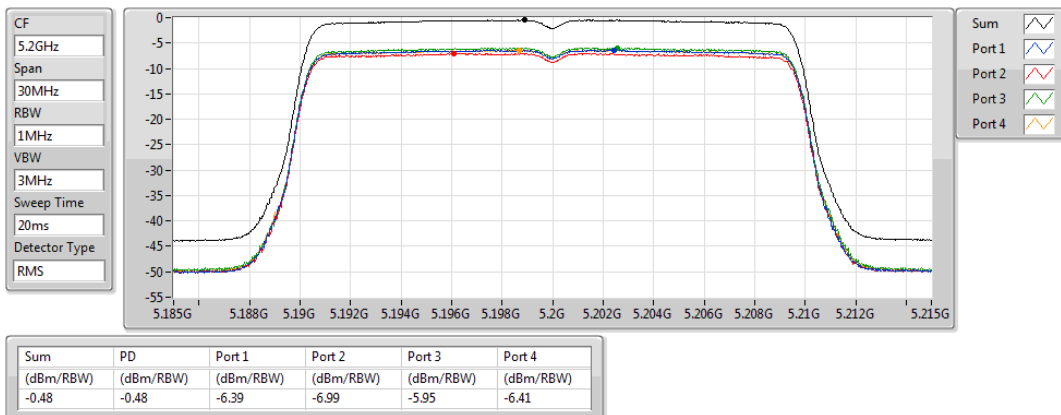


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

28/02/2019

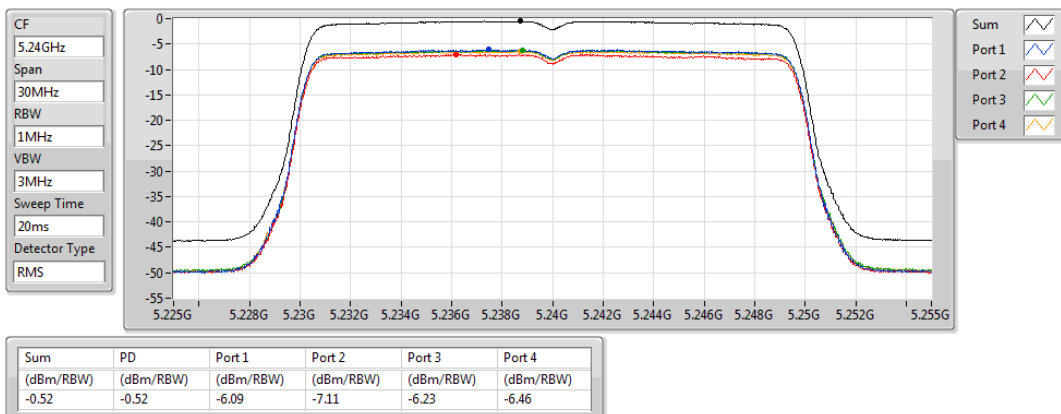


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

28/02/2019

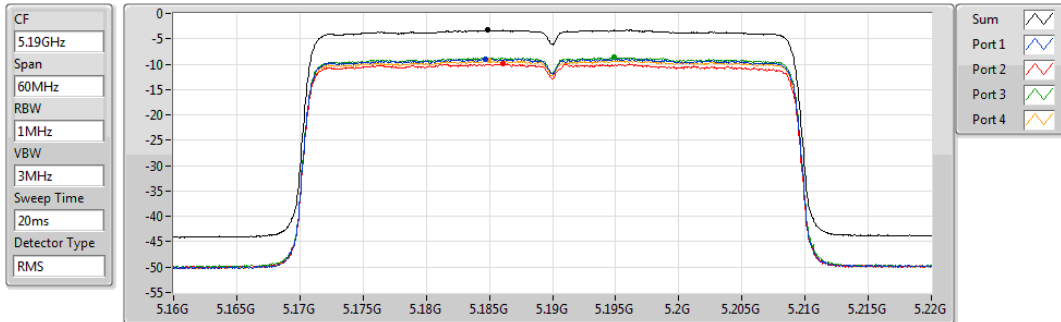


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

28/02/2019



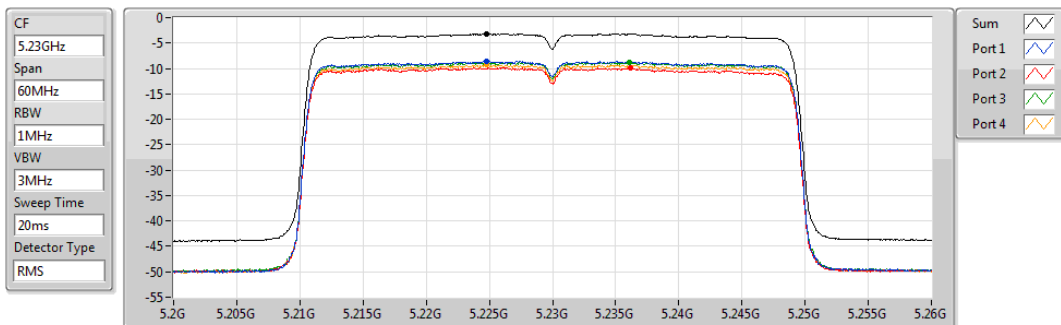
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.29     | -3.29     | -8.96     | -9.92     | -8.70     | -9.30     |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

28/02/2019



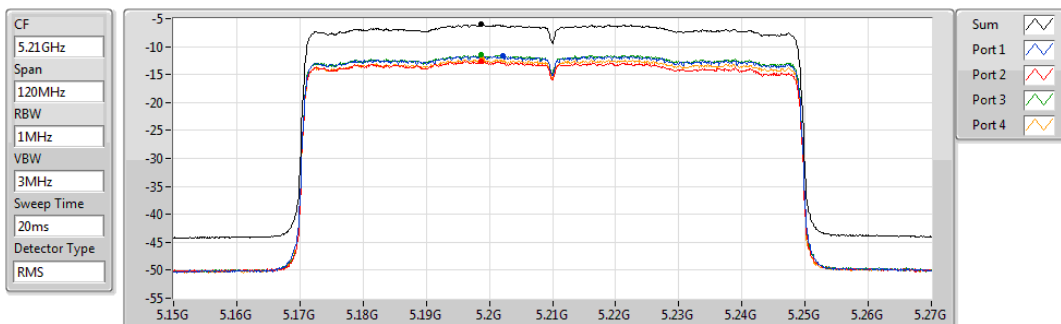
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.13     | -3.13     | -8.58     | -9.82     | -8.75     | -9.25     |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

28/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.03     | -6.03     | -11.73    | -12.60    | -11.45    | -12.27    |



## PSD Result\_Radio 1

Appendix D.29

### For Beamforming / 4T1S mode Summary

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 5.15-5.25GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -6.61           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -9.24           |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -12.09          |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



## PSD Result\_Radio 1

## Appendix D.29

### Result

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                           | Pass   | 14.72       | -12.84              | -12.93              | -11.82              | -12.89              | -6.63           | 8.28                  |
| 5200MHz                           | Pass   | 14.72       | -12.98              | -13.25              | -11.88              | -12.33              | -6.65           | 8.28                  |
| 5240MHz                           | Pass   | 14.72       | -12.62              | -12.89              | -12.09              | -12.55              | -6.61           | 8.28                  |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                           | Pass   | 14.72       | -15.69              | -15.46              | -14.71              | -15.10              | -9.26           | 8.28                  |
| 5230MHz                           | Pass   | 14.72       | -15.18              | -15.66              | -14.72              | -15.03              | -9.24           | 8.28                  |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                           | Pass   | 14.72       | -18.33              | -18.56              | -17.23              | -18.13              | -12.09          | 8.28                  |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

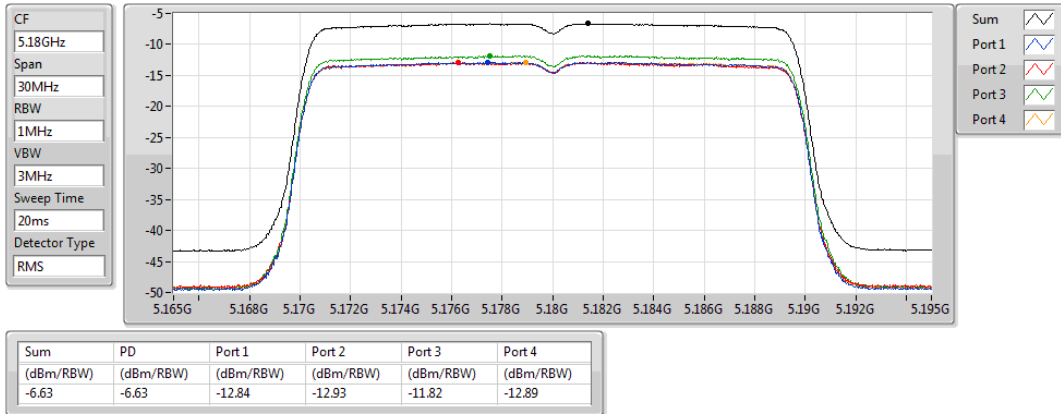
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

28/02/2019

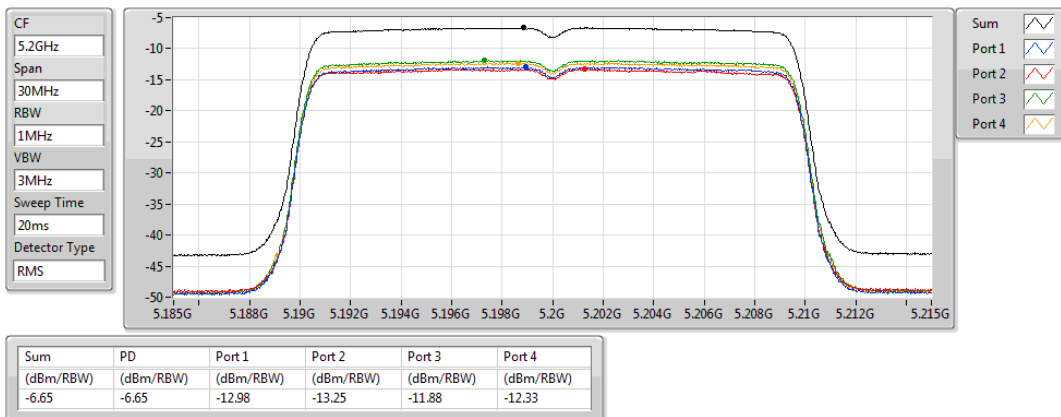


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

28/02/2019

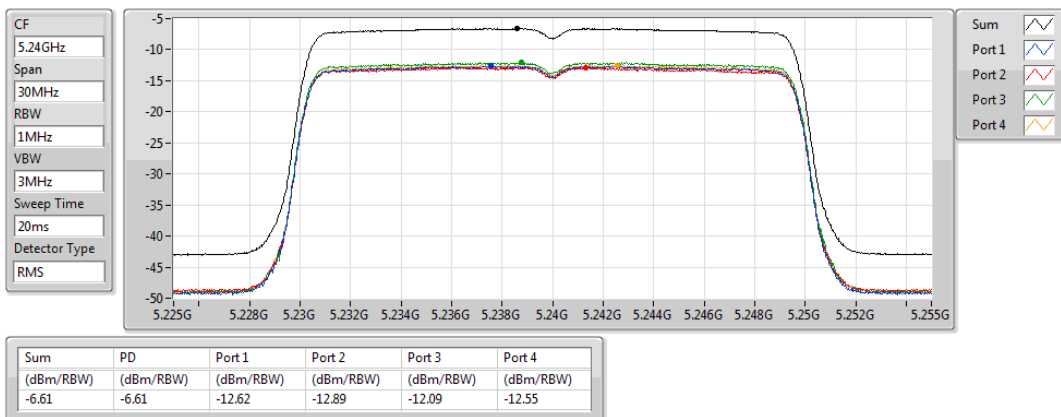


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

28/02/2019

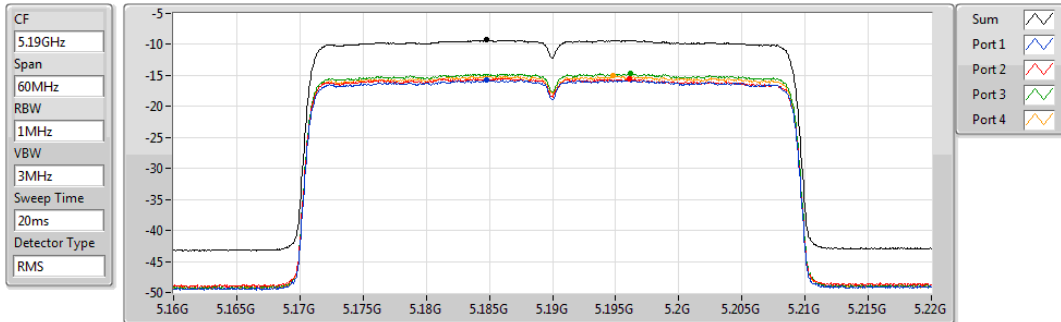


### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

28/02/2019



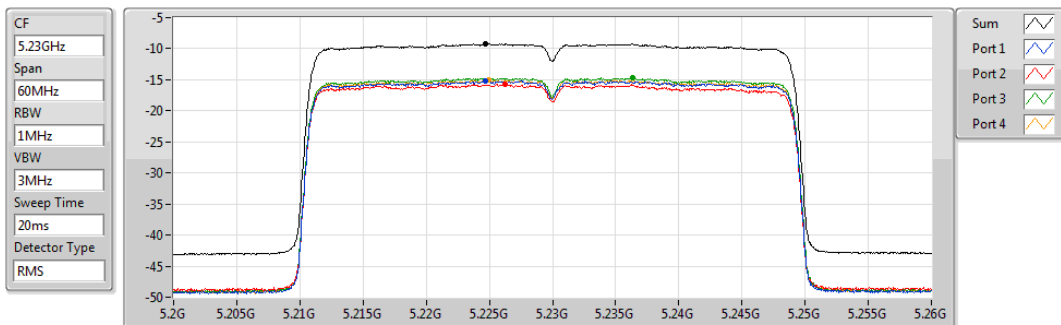
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.26     | -9.26     | -15.69    | -15.46    | -14.71    | -15.10    |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

28/02/2019



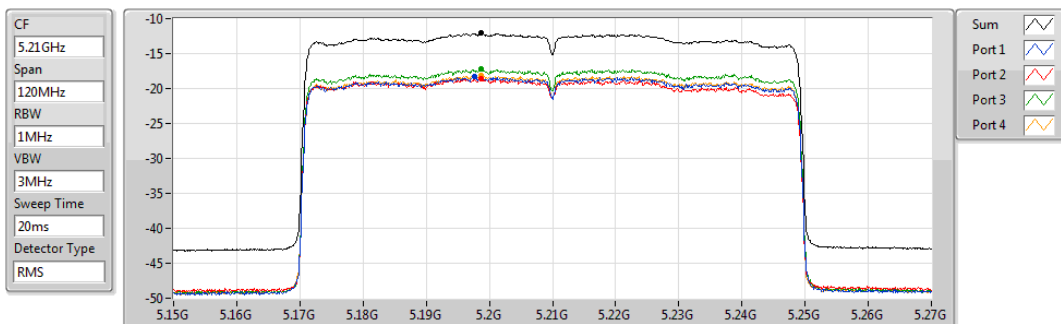
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.24     | -9.24     | -15.18    | -15.66    | -14.72    | -15.03    |

### 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

28/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -12.09    | -12.09    | -18.33    | -18.56    | -17.23    | -18.13    |

**For Non-beamforming / 4T4S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | -0.16           |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -2.95           |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -5.97           |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;





## PSD Result\_Radio 1

Appendix D.30

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 8.70        | -5.79               | -6.68               | -5.58               | -6.21               | -0.16           | 14.30                 |
| 5200MHz                        | Pass   | 8.70        | -6.01               | -6.51               | -5.43               | -5.99               | -0.17           | 14.30                 |
| 5240MHz                        | Pass   | 8.70        | -6.15               | -6.65               | -5.57               | -6.13               | -0.22           | 14.30                 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 8.70        | -8.77               | -9.21               | -8.49               | -8.90               | -2.95           | 14.30                 |
| 5230MHz                        | Pass   | 8.70        | -8.31               | -9.47               | -8.43               | -9.22               | -2.99           | 14.30                 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 8.70        | -11.78              | -12.19              | -11.73              | -11.95              | -5.97           | 14.30                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

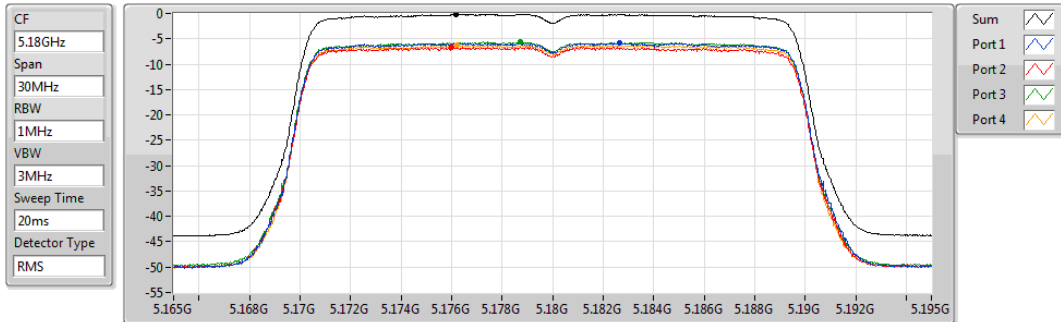
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5180MHz

28/02/2019



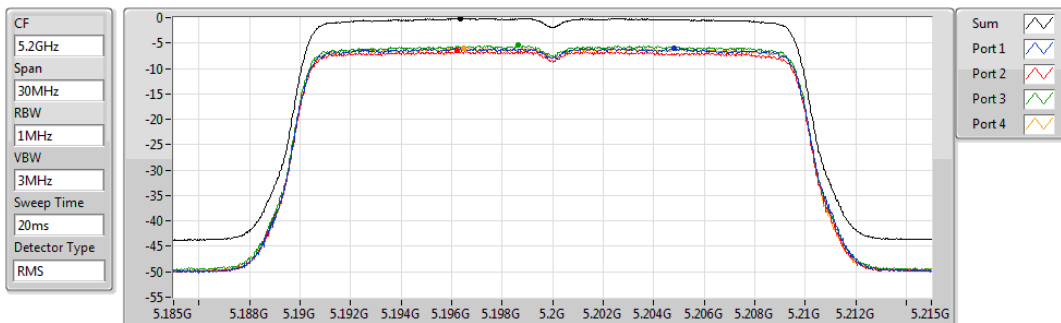
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.16    | -0.16    | -5.79    | -6.68    | -5.58    | -6.21    |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5200MHz

28/02/2019



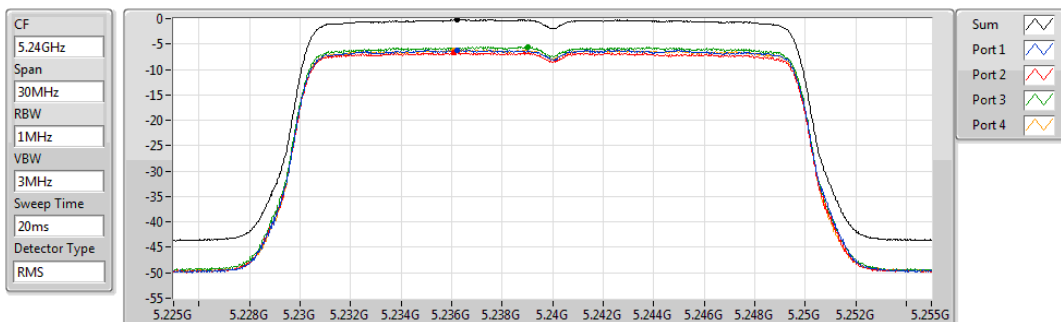
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.17    | -0.17    | -6.01    | -6.51    | -5.43    | -5.99    |

### 802.11ax HEW20\_Nss4,(MCS0)\_4TX

### PSD

5240MHz

28/02/2019



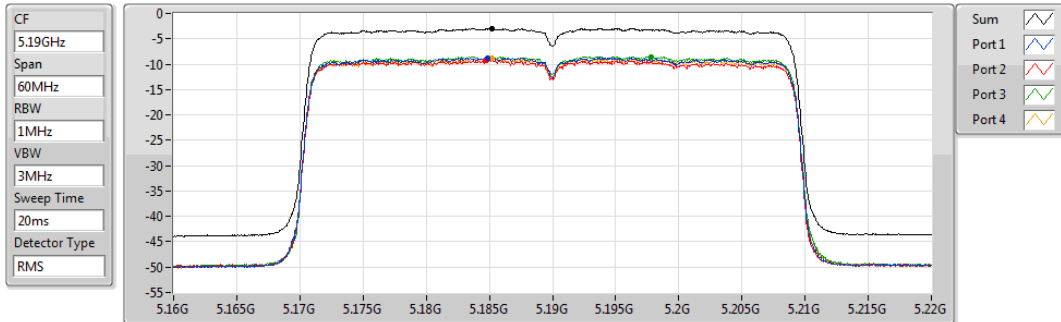
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.22    | -0.22    | -6.15    | -6.65    | -5.57    | -6.13    |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5190MHz

28/02/2019



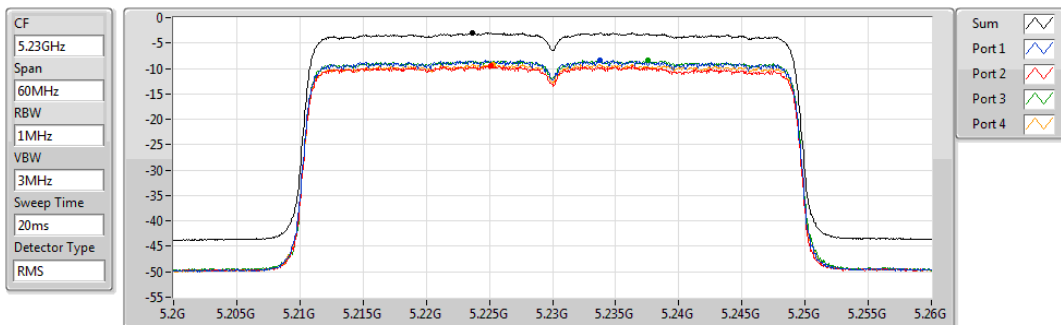
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.95     | -2.95     | -8.77     | -9.21     | -8.49     | -8.90     |

### 802.11ax HEW40\_Nss4,(MCS0)\_4TX

### PSD

5230MHz

28/02/2019



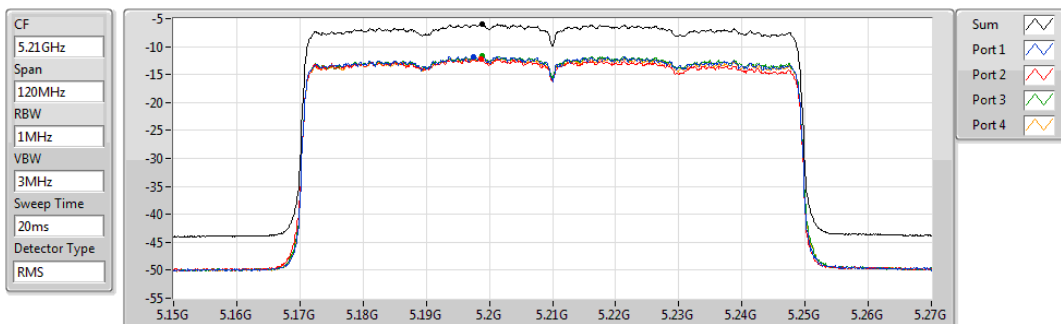
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.99     | -2.99     | -8.31     | -9.47     | -8.43     | -9.22     |

### 802.11ax HEW80\_Nss4,(MCS0)\_4TX

### PSD

5210MHz

28/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.97     | -5.97     | -11.78    | -12.19    | -11.73    | -11.95    |



## PSD Result\_Radio 2

Appendix D.31

For Radio 2:

For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:

Mode 1: (Ant. 5 Panel antenna / 3 dBi)

For Non-beamforming / 1T1S mode

Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | 7.78            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 7.95            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 4.09            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -2.80           |
| 5.725-5.85GHz                  | -               |
| 802.11a_Nss1,(6Mbps)_1TX       | 7.69            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 8.13            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 4.75            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -0.91           |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_1TX       | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | 4.81                | 4.81            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | 7.78                | 7.78            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | 7.23                | 7.23            | 17.00                 |
| 5745MHz                        | Pass   | 3.00        | 7.09                | 7.09            | 30.00                 |
| 5785MHz                        | Pass   | 3.00        | 7.65                | 7.65            | 30.00                 |
| 5825MHz                        | Pass   | 3.00        | 7.69                | 7.69            | 30.00                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | 3.44                | 3.44            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | 7.95                | 7.95            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | 6.84                | 6.84            | 17.00                 |
| 5745MHz                        | Pass   | 3.00        | 7.52                | 7.52            | 30.00                 |
| 5785MHz                        | Pass   | 3.00        | 8.12                | 8.12            | 30.00                 |
| 5825MHz                        | Pass   | 3.00        | 8.13                | 8.13            | 30.00                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5190MHz                        | Pass   | 3.00        | -0.11               | -0.11           | 17.00                 |
| 5230MHz                        | Pass   | 3.00        | 4.09                | 4.09            | 17.00                 |
| 5755MHz                        | Pass   | 3.00        | 4.47                | 4.47            | 30.00                 |
| 5795MHz                        | Pass   | 3.00        | 4.75                | 4.75            | 30.00                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     |
| 5210MHz                        | Pass   | 3.00        | -2.80               | -2.80           | 17.00                 |
| 5775MHz                        | Pass   | 3.00        | -0.91               | -0.91           | 30.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

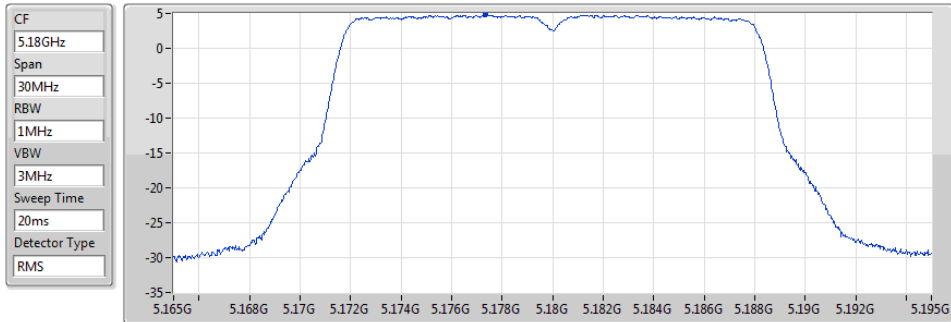
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5180MHz

17/02/2019



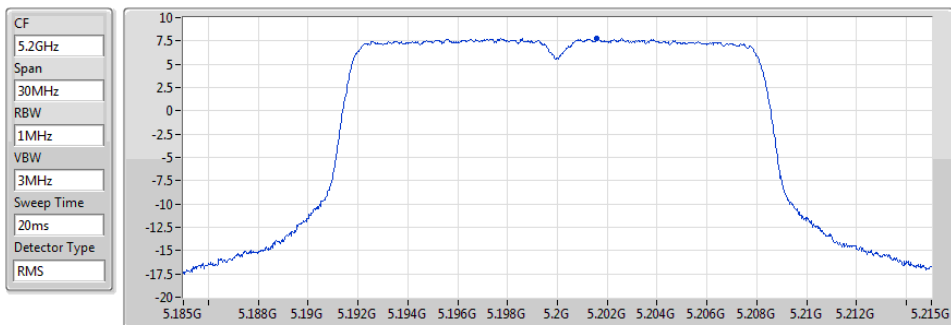
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.81      | 4.81      | 4.81      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5200MHz

17/02/2019



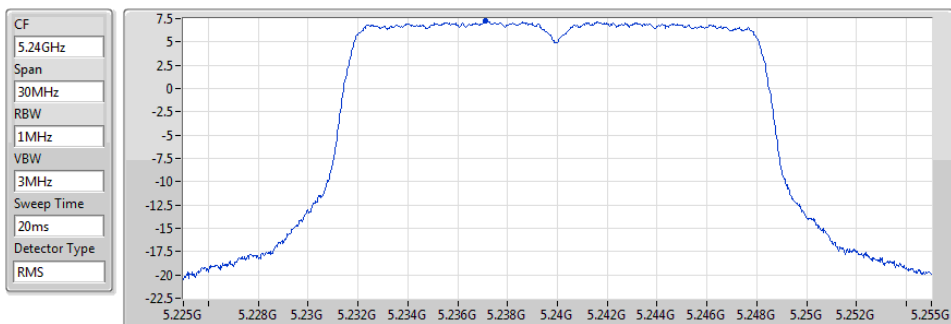
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.78      | 7.78      | 7.78      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5240MHz

17/02/2019



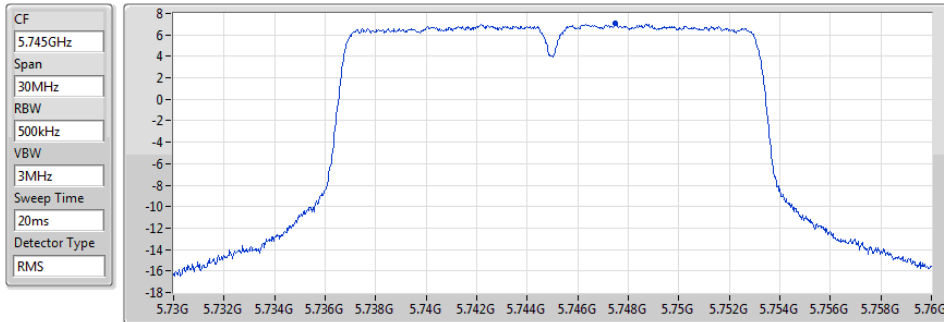
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.23      | 7.23      | 7.23      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5745MHz

17/02/2019



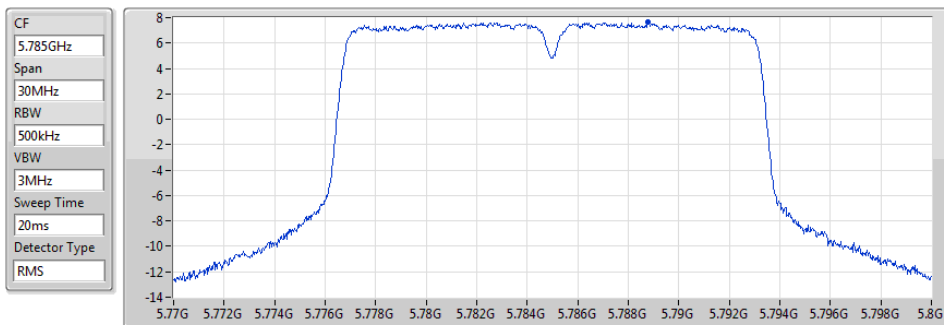
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.09      | 7.09      | 7.09      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5785MHz

17/02/2019



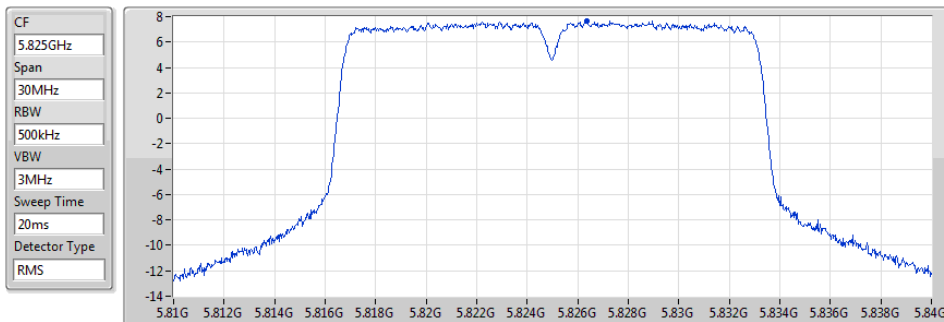
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.65      | 7.65      | 7.65      |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5825MHz

17/02/2019



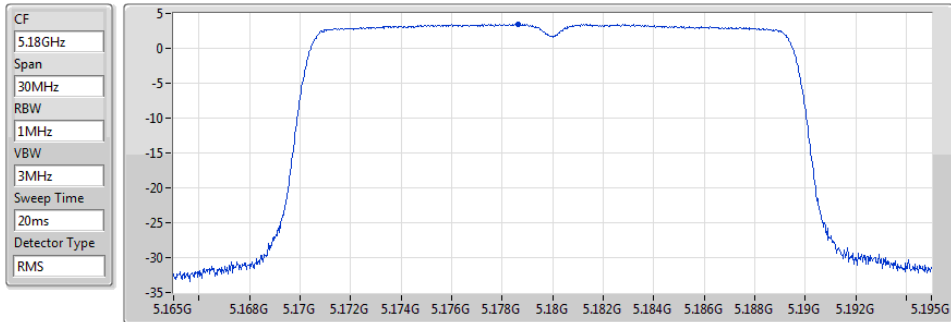
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.69      | 7.69      | 7.69      |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5180MHz

17/02/2019



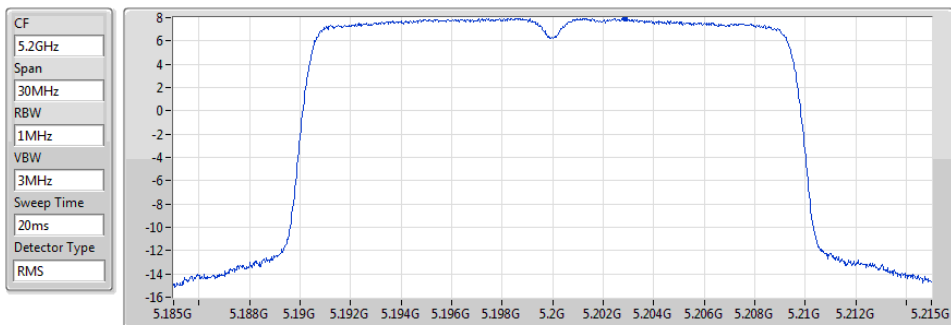
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.44      | 3.44      | 3.44      |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5200MHz

17/02/2019



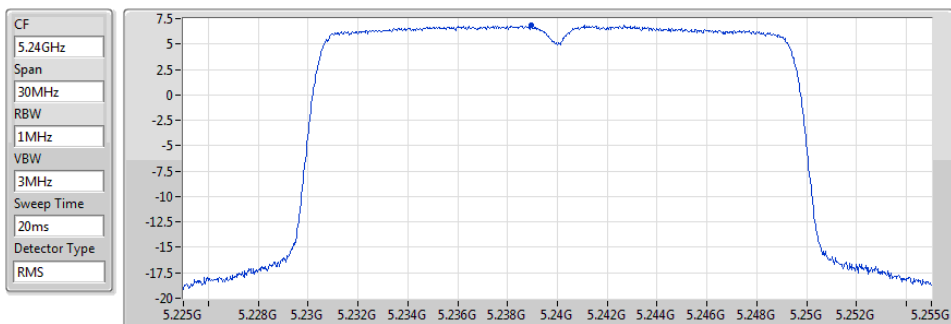
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.95      | 7.95      | 7.95      |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5240MHz

17/02/2019



| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.84      | 6.84      | 6.84      |

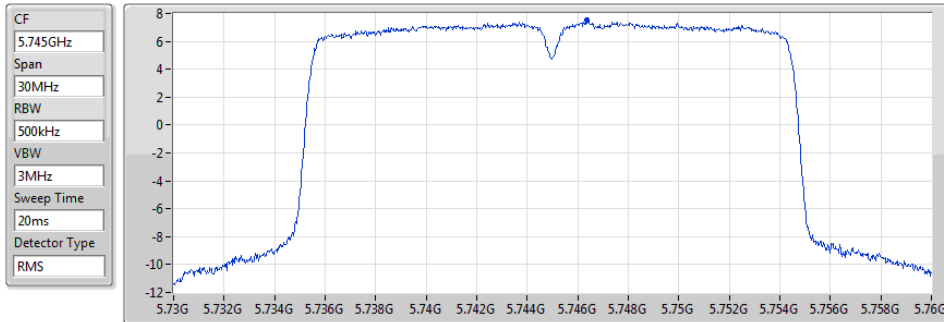


### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5745MHz

17/02/2019



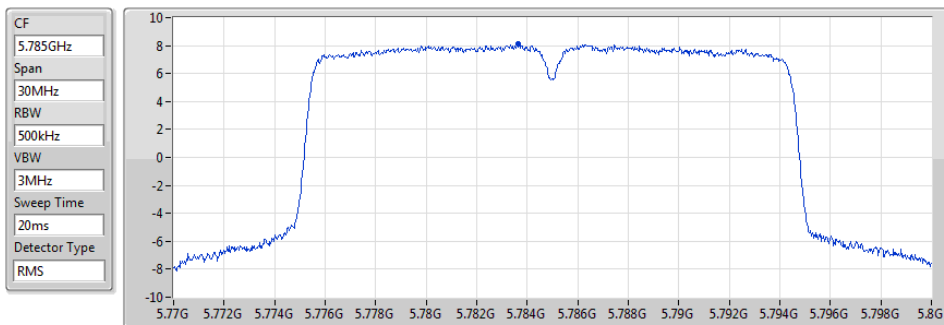
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.52     | 7.52     | 7.52     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5785MHz

17/02/2019



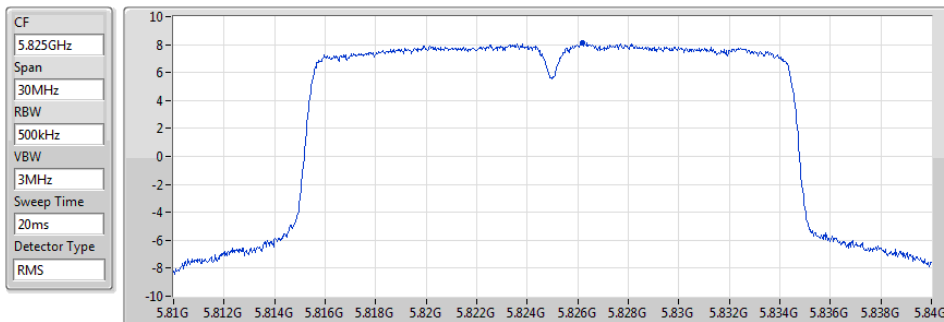
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.12     | 8.12     | 8.12     |

### 802.11ax HEW20\_Nss1,(MCS0)\_1TX

### PSD

5825MHz

17/02/2019



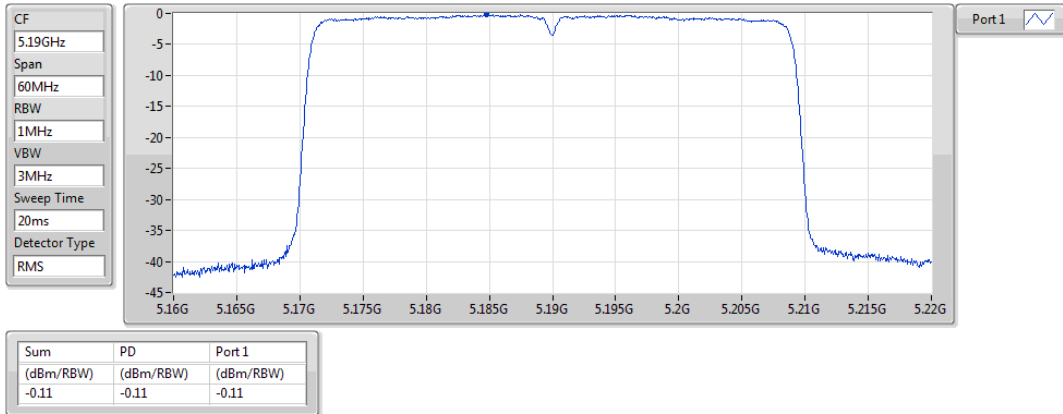
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.13     | 8.13     | 8.13     |

### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5190MHz

17/02/2019

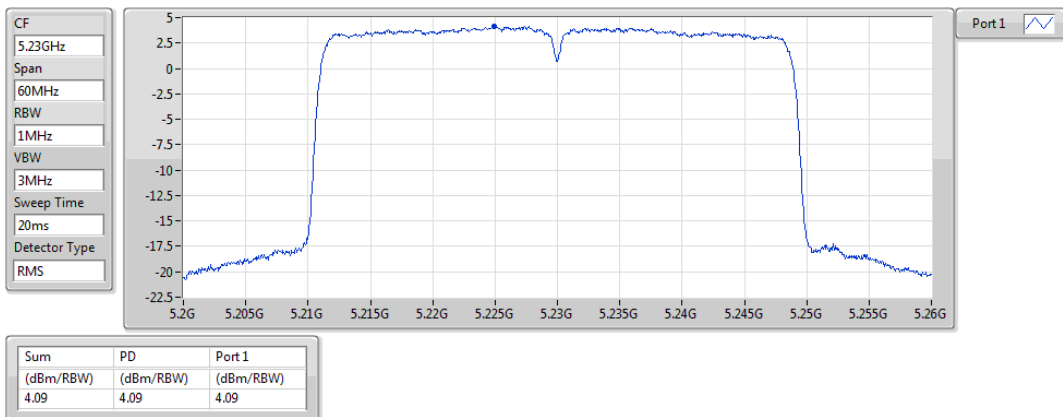


### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5230MHz

17/02/2019

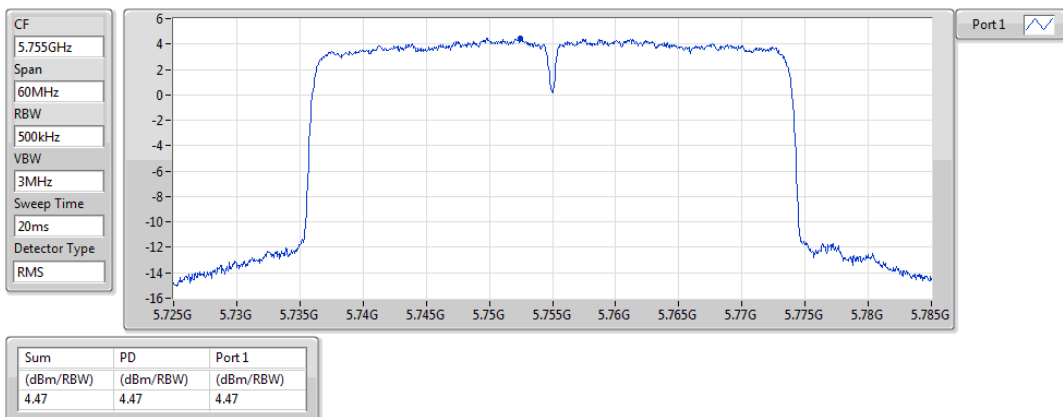


### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5755MHz

17/02/2019

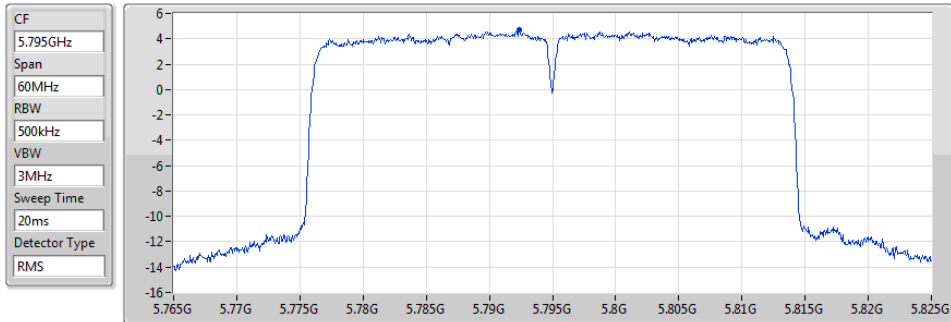


### 802.11ax HEW40\_Nss1,(MCS0)\_1TX

### PSD

5795MHz

17/02/2019



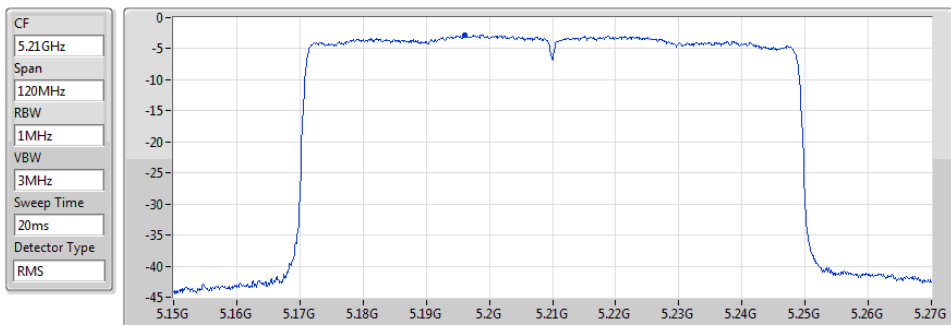
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.75      | 4.75      | 4.75      |

### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5210MHz

17/02/2019



| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.80     | -2.80     | -2.80     |

### 802.11ax HEW80\_Nss1,(MCS0)\_1TX

### PSD

5775MHz

01/02/2019



| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.91     | -0.91     | -0.91     |

**For Non-beamforming / 2T2S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | 10.12           |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | 5.51            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -2.42           |
| 5.725-5.85GHz                  | -               |
| 802.11ax HEW20_Nss2,(MCS0)_2TX | 10.66           |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | 7.56            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | 0.06            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 3.00        | 1.36                | 2.17                | 4.76            | 17.00                 |
| 5200MHz                        | Pass   | 3.00        | 6.78                | 6.93                | 9.82            | 17.00                 |
| 5240MHz                        | Pass   | 3.00        | 7.14                | 7.16                | 10.12           | 17.00                 |
| 5745MHz                        | Pass   | 3.00        | 7.29                | 6.80                | 9.99            | 30.00                 |
| 5785MHz                        | Pass   | 3.00        | 7.96                | 7.44                | 10.66           | 30.00                 |
| 5825MHz                        | Pass   | 3.00        | 7.84                | 7.48                | 10.61           | 30.00                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 3.00        | -1.90               | -2.14               | 0.95            | 17.00                 |
| 5230MHz                        | Pass   | 3.00        | 2.86                | 2.19                | 5.51            | 17.00                 |
| 5755MHz                        | Pass   | 3.00        | 2.71                | 2.90                | 5.79            | 30.00                 |
| 5795MHz                        | Pass   | 3.00        | 5.17                | 4.38                | 7.56            | 30.00                 |
| 802.11ax HEW80_Nss2,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 3.00        | -5.60               | -5.18               | -2.42           | 17.00                 |
| 5775MHz                        | Pass   | 3.00        | -2.47               | -3.39               | 0.06            | 30.00                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

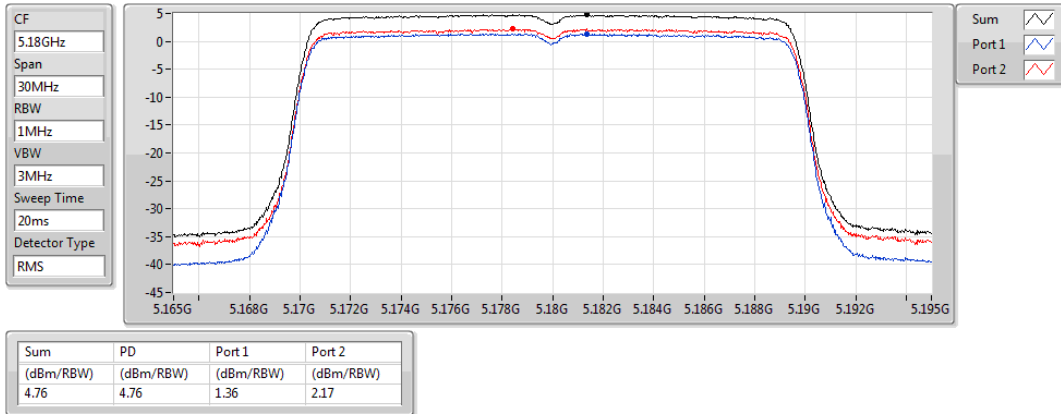
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5180MHz

17/02/2019

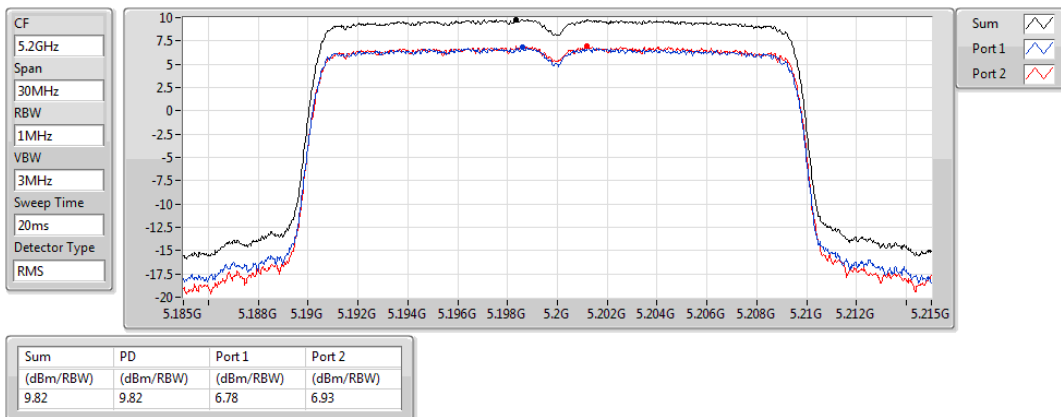


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5200MHz

17/02/2019

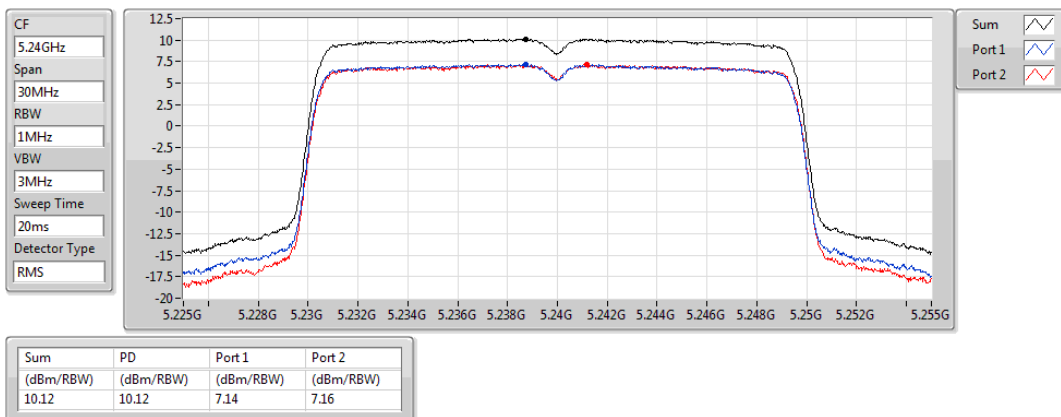


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5240MHz

17/02/2019

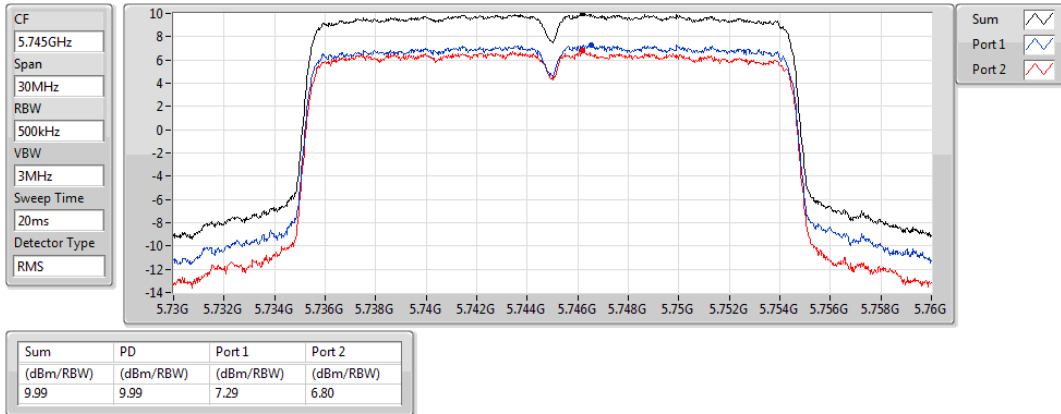


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5745MHz

17/02/2019

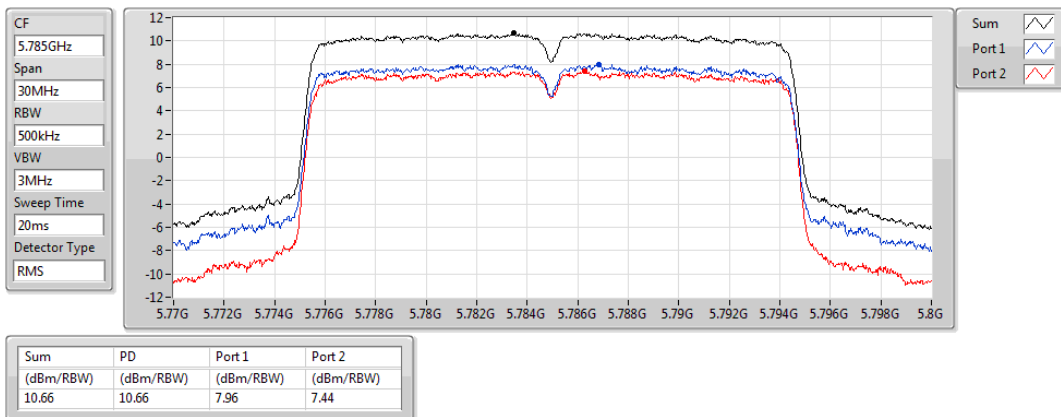


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5785MHz

17/02/2019

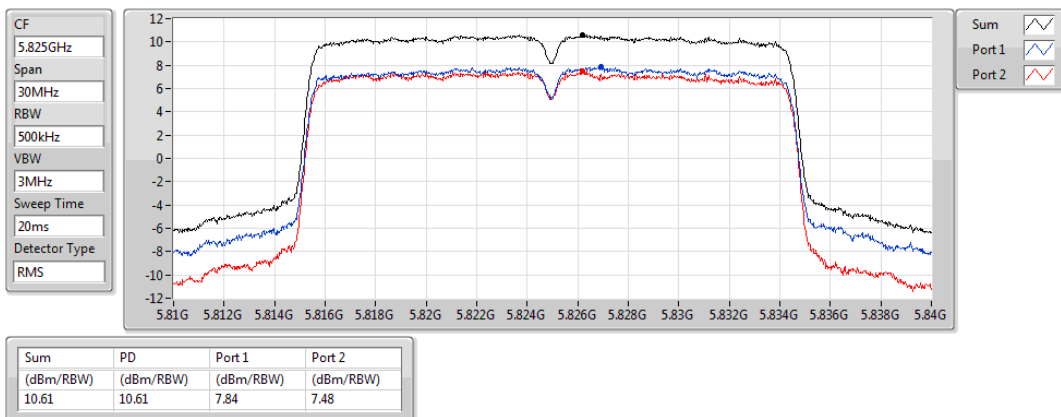


### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

### PSD

5825MHz

17/02/2019

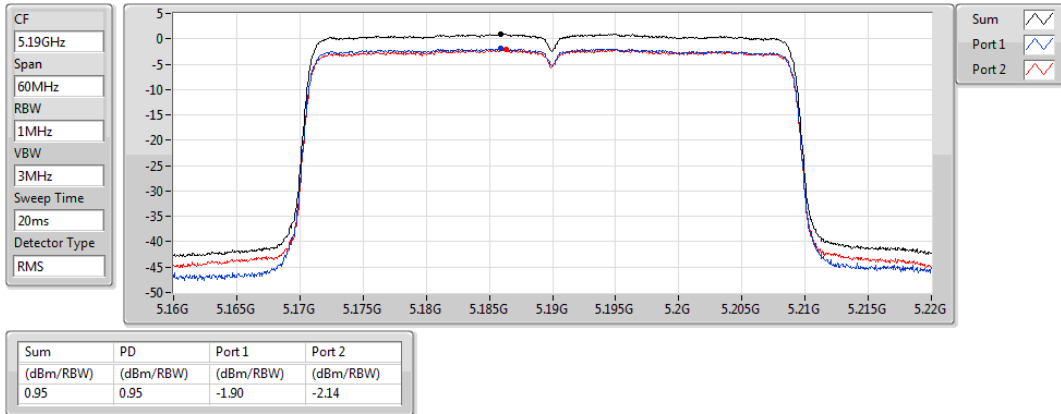


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5190MHz

01/02/2019

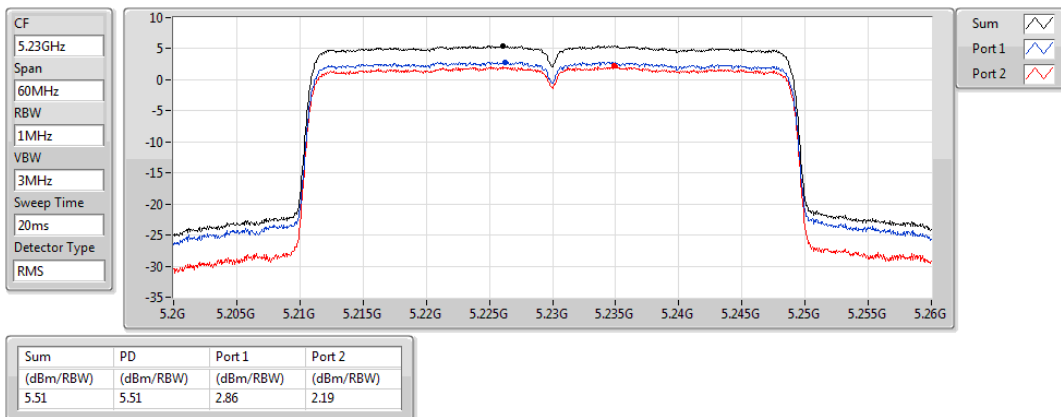


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5230MHz

01/02/2019



### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5755MHz

20/02/2019



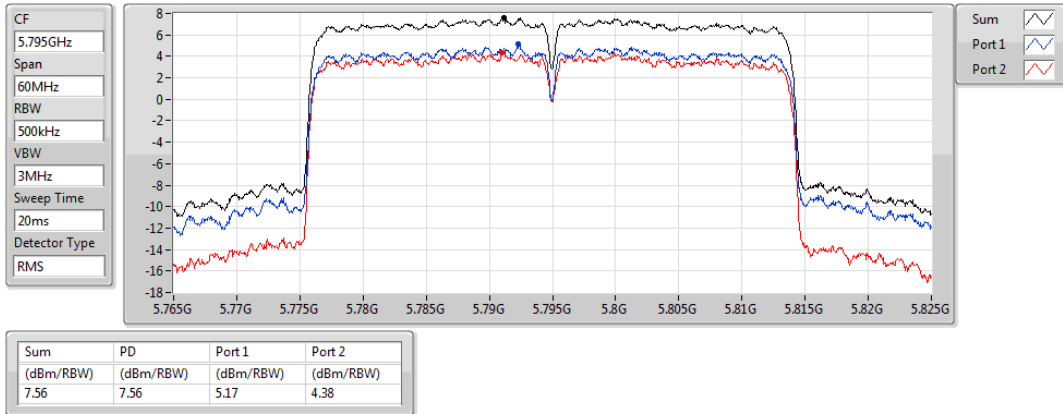


### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

### PSD

5795MHz

17/02/2019

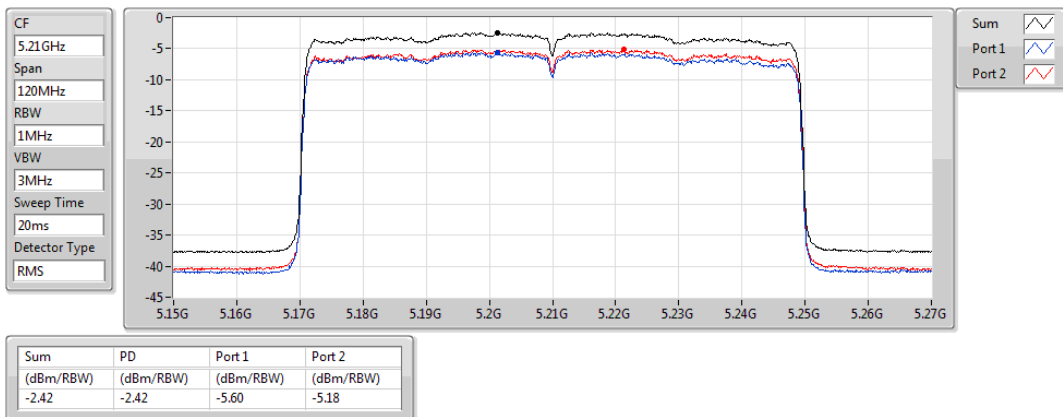


### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5210MHz

17/02/2019

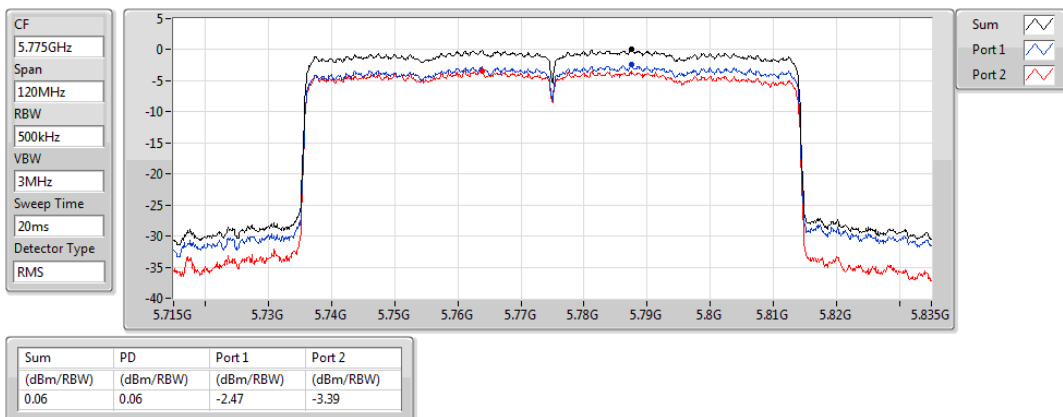


### 802.11ax HEW80\_Nss2,(MCS0)\_2TX

### PSD

5775MHz

01/02/2019



**For Non-beamforming / 4T1S mode  
Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 5.15-5.25GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 13.26           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 12.60           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 7.07            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -0.83           |
| 5.725-5.85GHz                  | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 13.16           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 13.33           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 7.65            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 2.13            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 9.02        | 3.12                | 3.95                | 3.72                | 3.62                | 9.52            | 13.98                 |
| 5200MHz                        | Pass   | 9.02        | 7.47                | 7.40                | 7.26                | 7.33                | 13.26           | 13.98                 |
| 5240MHz                        | Pass   | 9.02        | 6.83                | 6.73                | 6.91                | 6.86                | 12.71           | 13.98                 |
| 5745MHz                        | Pass   | 9.02        | 6.51                | 5.71                | 6.25                | 6.09                | 12.03           | 26.98                 |
| 5785MHz                        | Pass   | 9.02        | 7.19                | 6.85                | 7.47                | 6.94                | 13.04           | 26.98                 |
| 5825MHz                        | Pass   | 9.02        | 7.23                | 7.18                | 7.55                | 6.97                | 13.16           | 26.98                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                        | Pass   | 9.02        | 0.45                | 1.24                | 0.84                | 1.02                | 6.83            | 13.98                 |
| 5200MHz                        | Pass   | 9.02        | 5.36                | 5.57                | 5.78                | 5.58                | 11.52           | 13.98                 |
| 5240MHz                        | Pass   | 9.02        | 6.67                | 6.48                | 6.83                | 6.64                | 12.60           | 13.98                 |
| 5745MHz                        | Pass   | 9.02        | 7.13                | 6.33                | 6.92                | 6.57                | 12.71           | 26.98                 |
| 5785MHz                        | Pass   | 9.02        | 7.46                | 7.20                | 7.64                | 7.24                | 13.33           | 26.98                 |
| 5825MHz                        | Pass   | 9.02        | 7.39                | 6.74                | 7.31                | 6.97                | 13.06           | 26.98                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                        | Pass   | 9.02        | -3.14               | -2.51               | -2.76               | -3.26               | 3.02            | 13.98                 |
| 5230MHz                        | Pass   | 9.02        | 1.15                | 1.33                | 1.21                | 0.88                | 7.07            | 13.98                 |
| 5755MHz                        | Pass   | 9.02        | 2.23                | 0.75                | 1.13                | 1.21                | 7.28            | 26.98                 |
| 5795MHz                        | Pass   | 9.02        | 2.07                | 1.31                | 1.76                | 1.73                | 7.65            | 26.98                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                        | Pass   | 9.02        | -6.88               | -7.04               | -6.38               | -6.82               | -0.83           | 13.98                 |
| 5775MHz                        | Pass   | 9.02        | -3.46               | -4.30               | -3.78               | -4.04               | 2.13            | 26.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

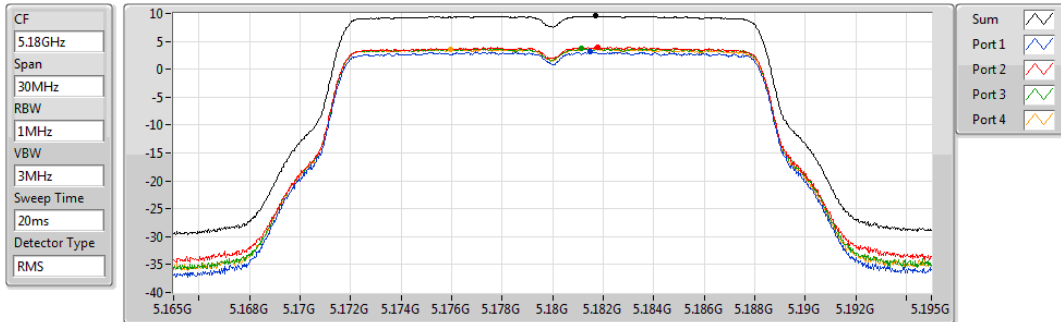
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

16/02/2019



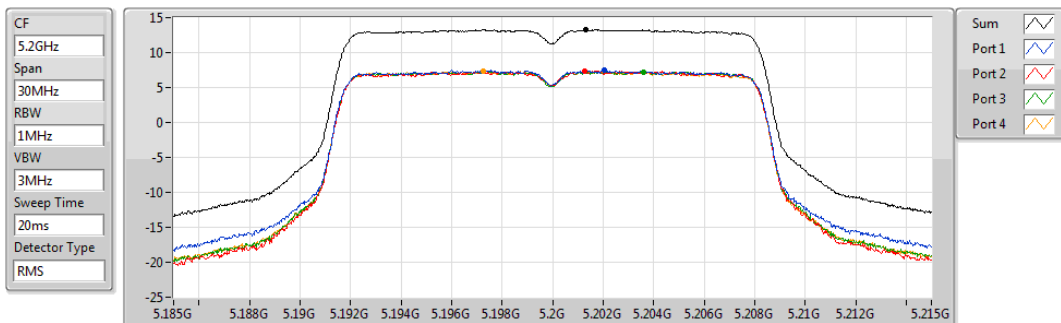
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.52      | 9.52      | 3.12      | 3.95      | 3.72      | 3.62      |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5200MHz

16/02/2019



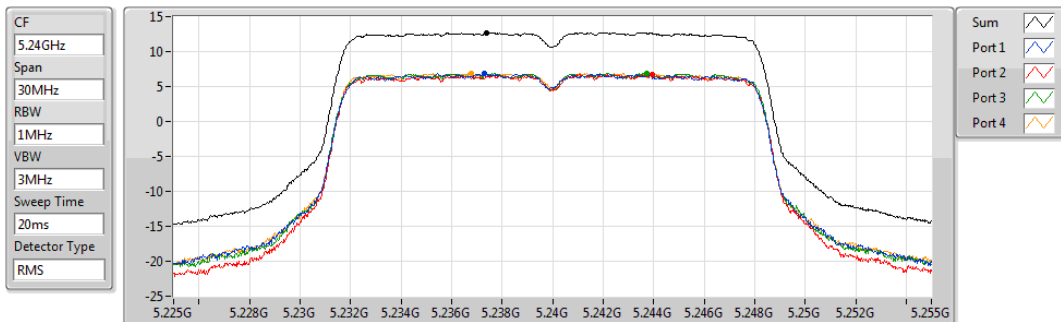
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.26     | 13.26     | 7.47      | 7.40      | 7.26      | 7.33      |

### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5240MHz

16/02/2019



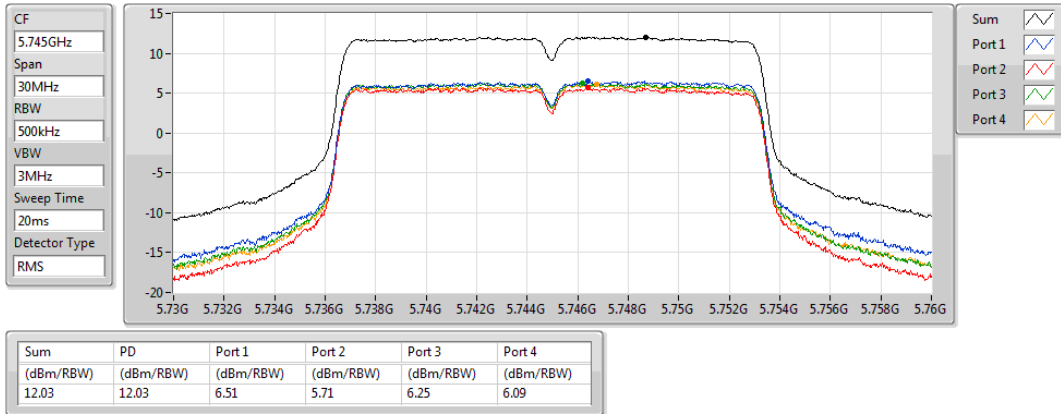
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.71     | 12.71     | 6.83      | 6.73      | 6.91      | 6.86      |

### 802.11a\_Nss1,(6Mbps)\_4TX

5745MHz

PSD

16/02/2019

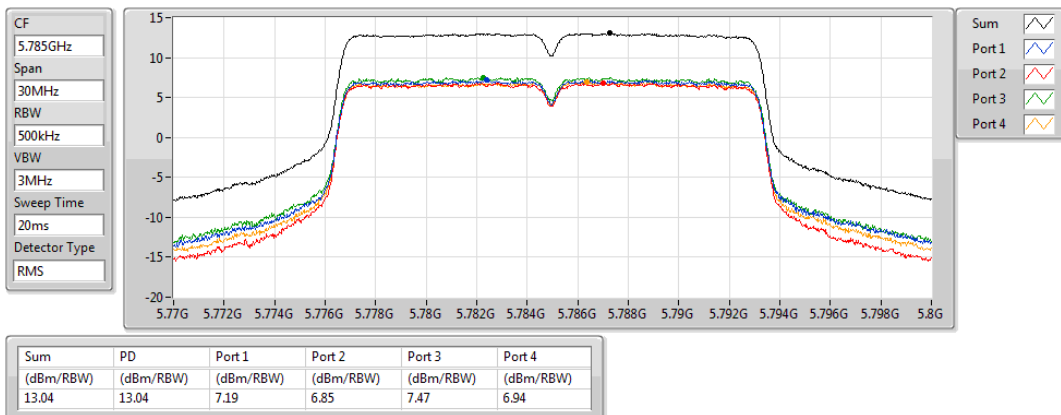


### 802.11a\_Nss1,(6Mbps)\_4TX

5785MHz

PSD

16/02/2019

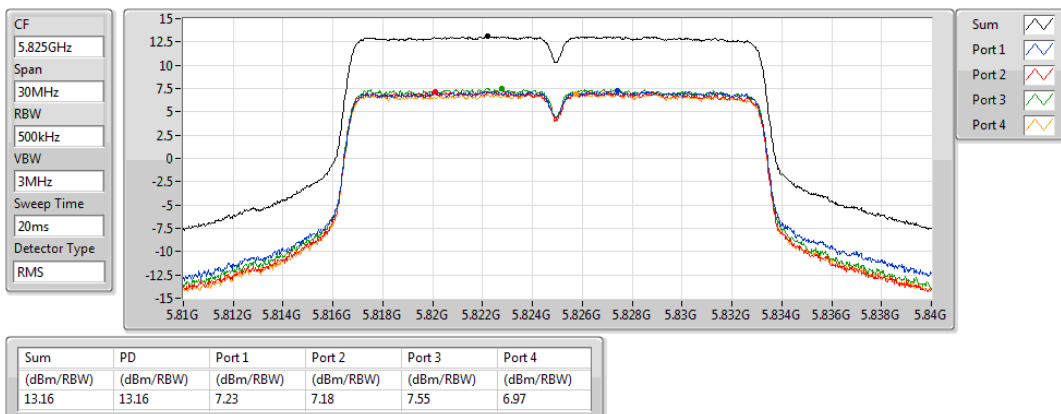


### 802.11a\_Nss1,(6Mbps)\_4TX

5825MHz

PSD

16/02/2019

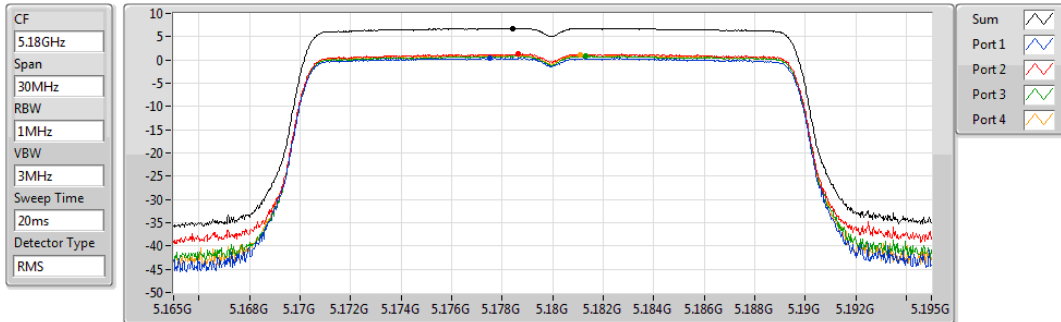


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

01/02/2019



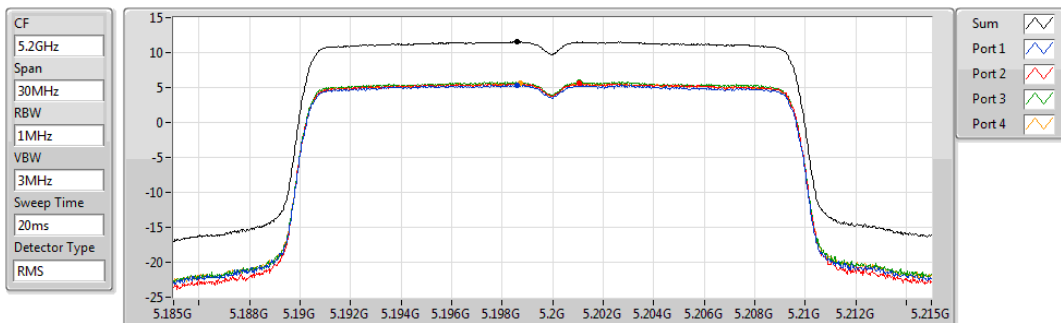
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.83      | 6.83      | 0.45      | 1.24      | 0.84      | 1.02      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

16/02/2019



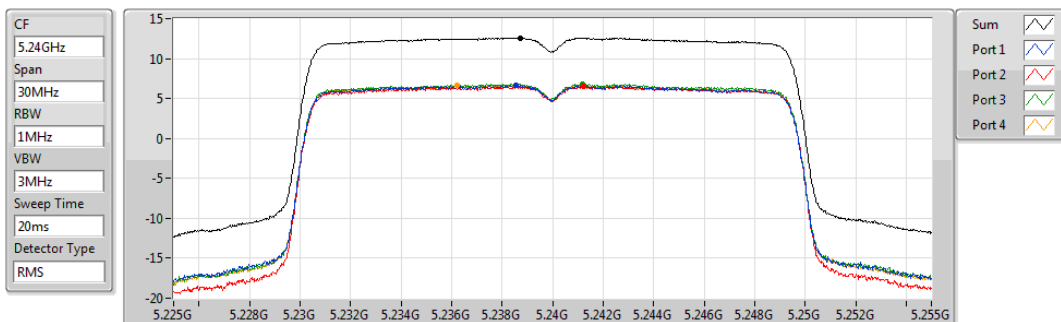
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.52     | 11.52     | 5.36      | 5.57      | 5.78      | 5.58      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

16/02/2019



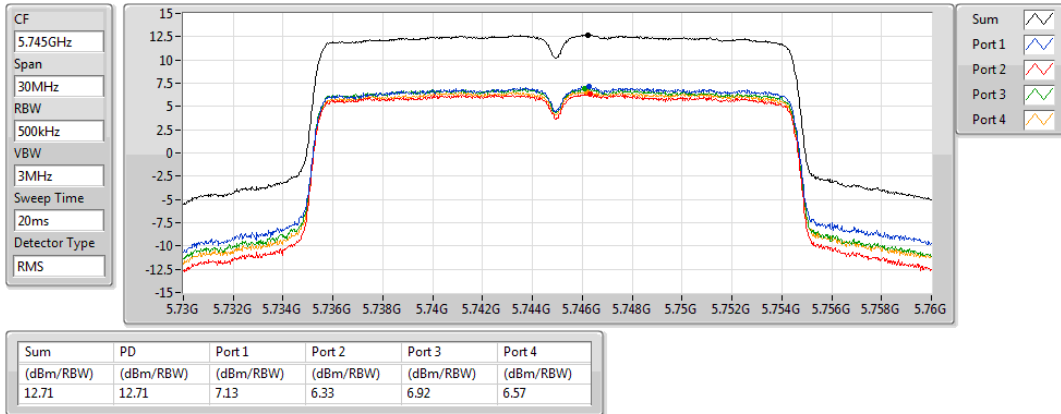
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.60     | 12.60     | 6.67      | 6.48      | 6.83      | 6.64      |

### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5745MHz

16/02/2019

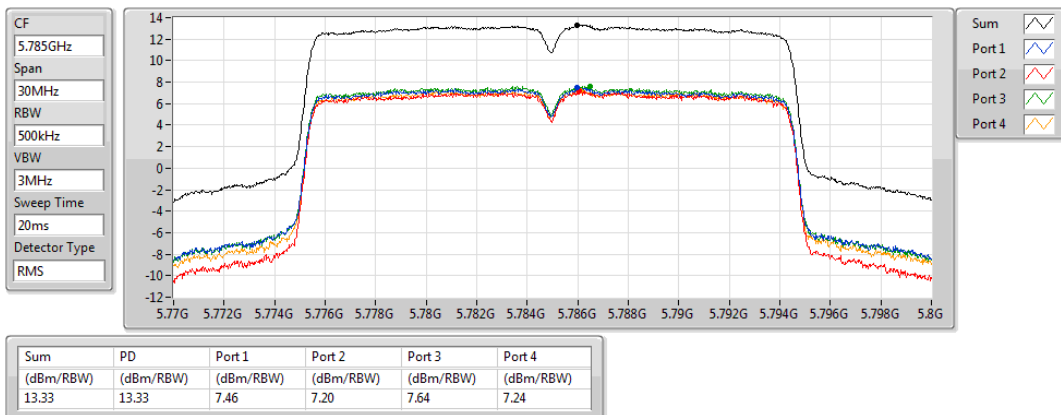


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5785MHz

16/02/2019

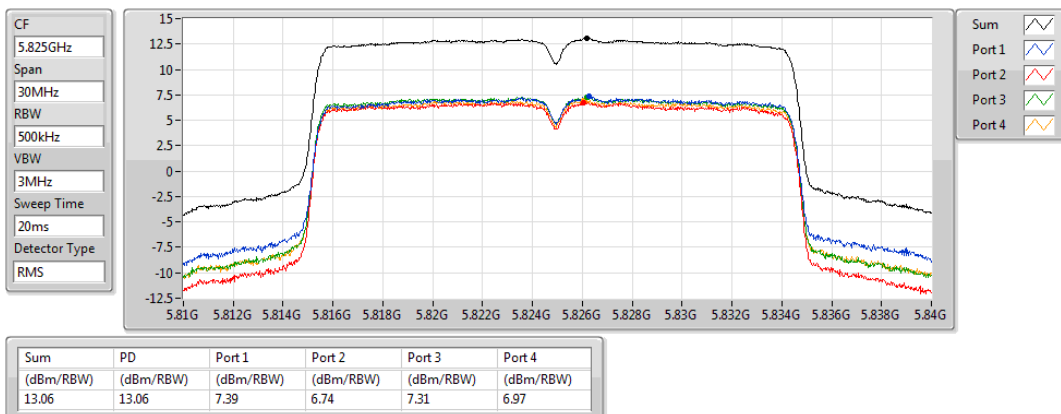


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5825MHz

16/02/2019

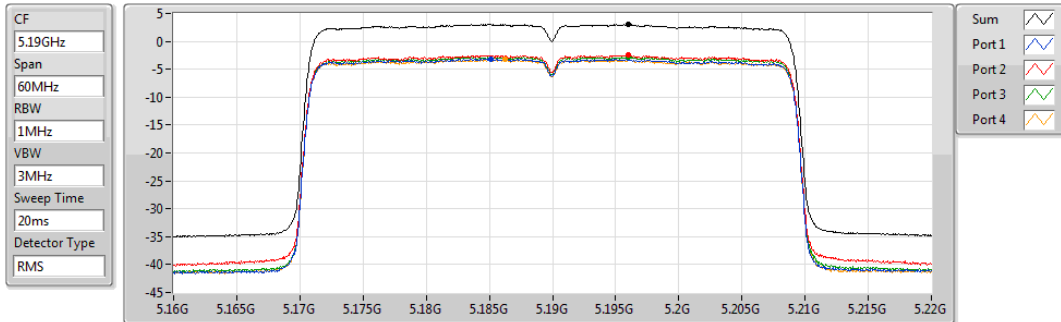


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

16/02/2019



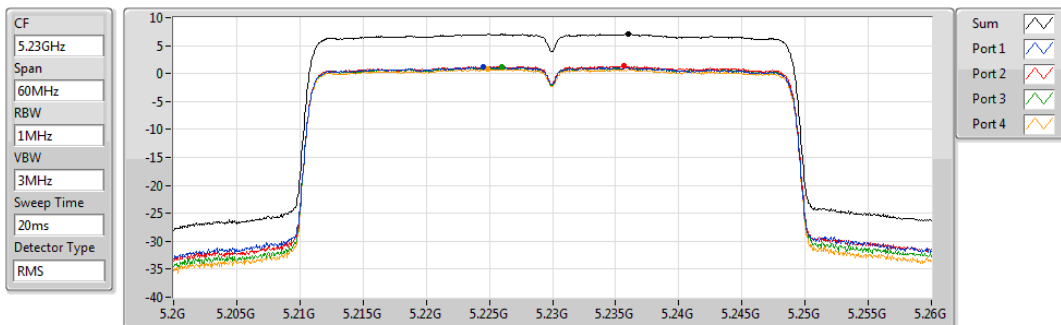
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.02      | 3.02      | -3.14     | -2.51     | -2.76     | -3.26     |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

16/02/2019



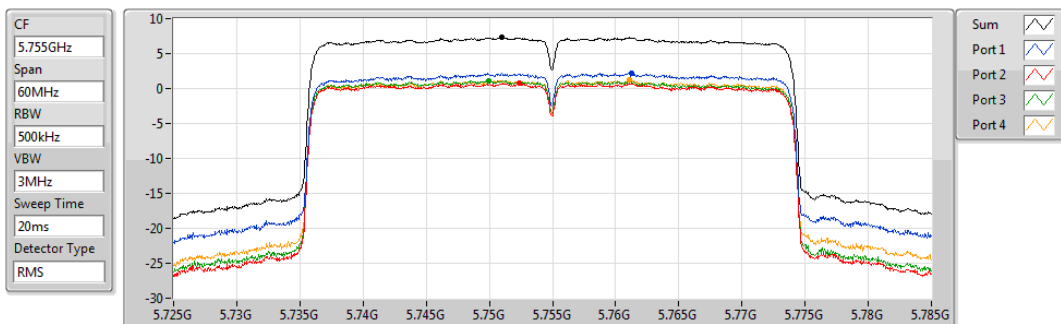
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.07      | 7.07      | 1.15      | 1.33      | 1.21      | 0.88      |

### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5755MHz

16/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.28      | 7.28      | 2.23      | 0.75      | 1.13      | 1.21      |

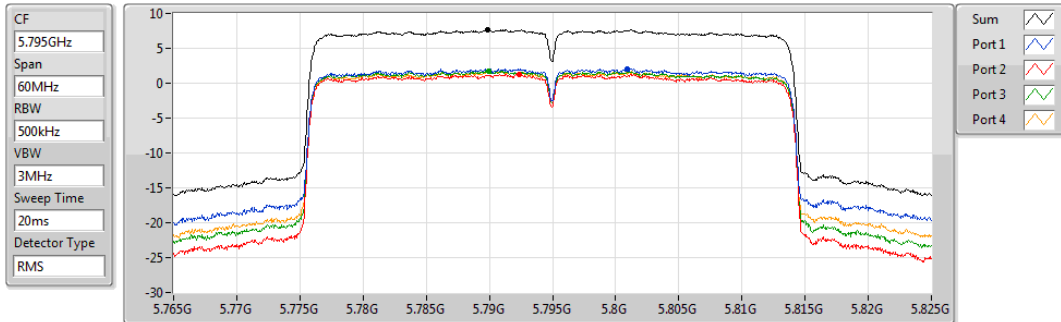


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5795MHz

16/02/2019



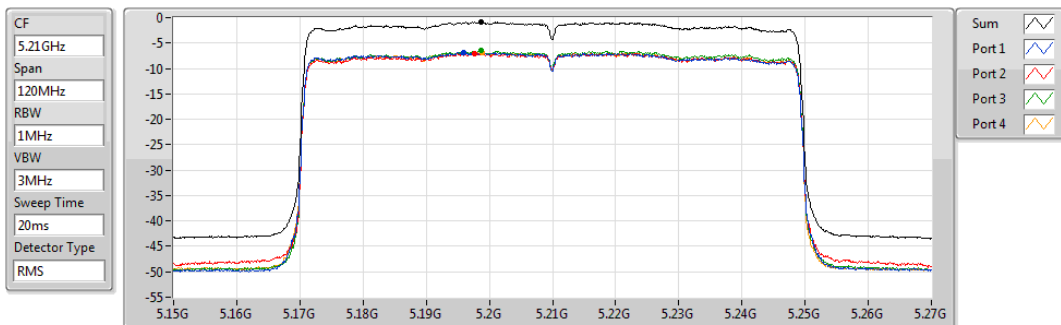
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.65      | 7.65      | 2.07      | 1.31      | 1.76      | 1.73      |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5210MHz

01/02/2019



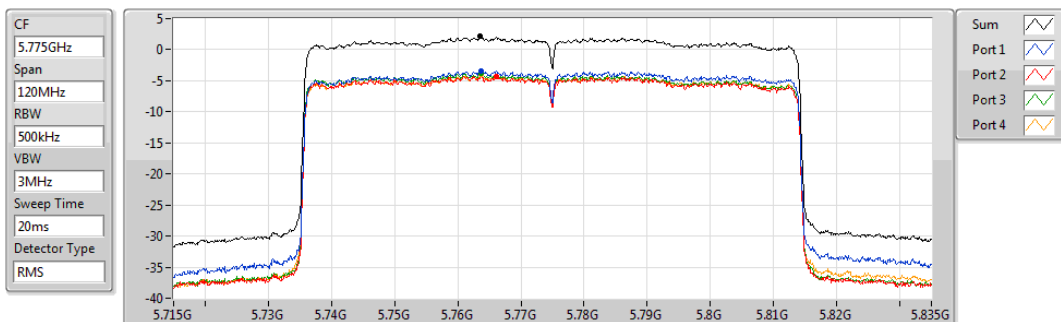
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.83     | -0.83     | -6.88     | -7.04     | -6.38     | -6.82     |

### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

### PSD

5775MHz

17/02/2019



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.13      | 2.13      | -3.46     | -4.30     | -3.78     | -4.04     |

**For Beamforming / 4T1S mode  
Summary**

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 5.15-5.25GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 12.79           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 8.51            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 1.51            |
| 5.725-5.85GHz                     | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 12.27           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 9.36            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 3.05            |

**RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                           | Pass   | 9.02        | 1.58                | 2.03                | 2.63                | 2.82                | 8.23            | 13.98                 |
| 5200MHz                           | Pass   | 9.02        | 6.27                | 5.97                | 6.70                | 7.25                | 12.50           | 13.98                 |
| 5240MHz                           | Pass   | 9.02        | 6.61                | 6.59                | 6.88                | 7.18                | 12.79           | 13.98                 |
| 5745MHz                           | Pass   | 9.02        | 6.53                | 5.90                | 6.45                | 6.36                | 12.27           | 26.98                 |
| 5785MHz                           | Pass   | 9.02        | 6.54                | 5.98                | 6.43                | 6.30                | 12.25           | 26.98                 |
| 5825MHz                           | Pass   | 9.02        | 6.86                | 5.88                | 6.24                | 6.14                | 12.18           | 26.98                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                           | Pass   | 9.02        | -2.33               | -1.17               | -1.18               | -1.99               | 4.32            | 13.98                 |
| 5230MHz                           | Pass   | 9.02        | 2.22                | 2.82                | 2.78                | 2.49                | 8.51            | 13.98                 |
| 5755MHz                           | Pass   | 9.02        | 2.79                | 2.30                | 2.48                | 2.45                | 8.42            | 26.98                 |
| 5795MHz                           | Pass   | 9.02        | 4.05                | 3.01                | 3.36                | 3.22                | 9.36            | 26.98                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                           | Pass   | 9.02        | -4.91               | -4.61               | -4.19               | -3.96               | 1.51            | 13.98                 |
| 5775MHz                           | Pass   | 9.02        | -2.43               | -2.83               | -2.88               | -3.32               | 3.05            | 26.98                 |

**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

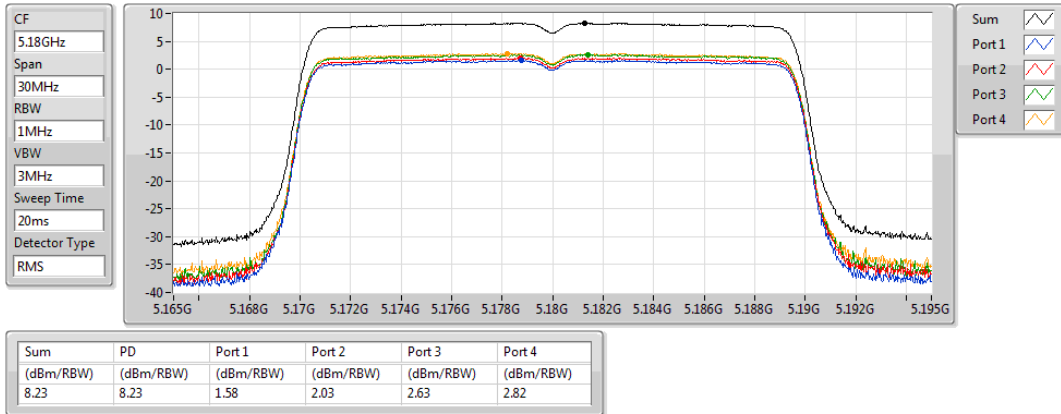
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5180MHz

20/02/2019

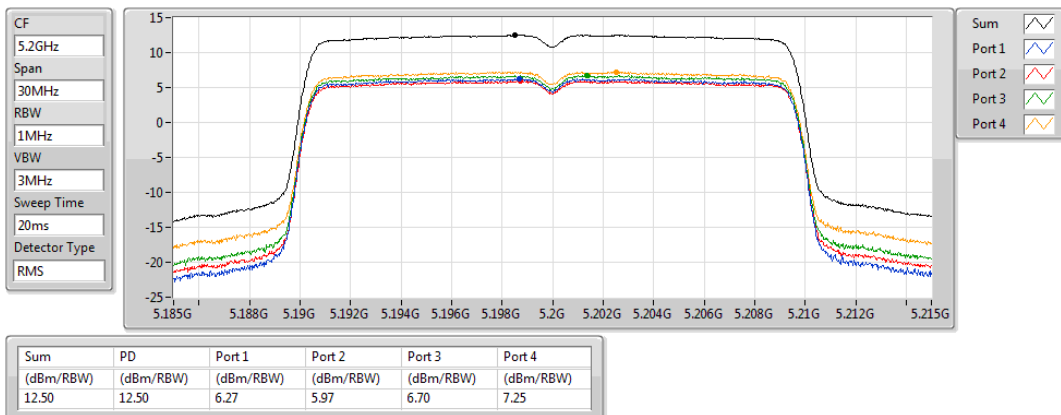


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

20/02/2019

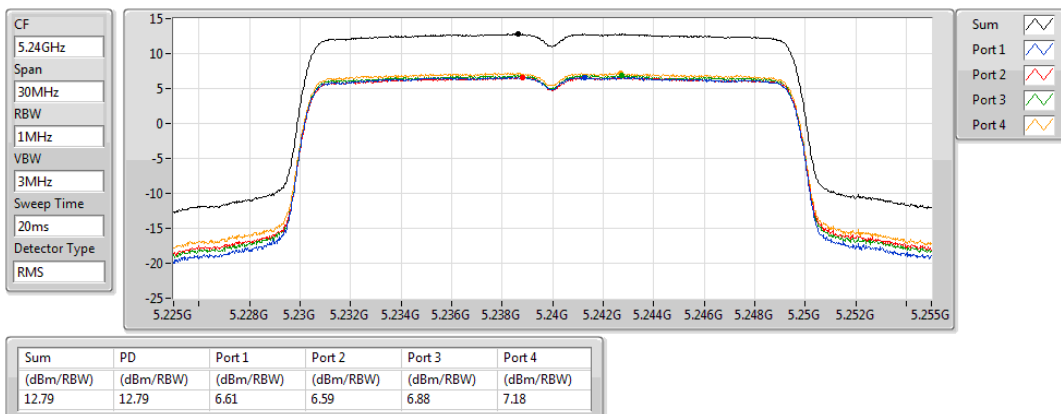


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

20/02/2019

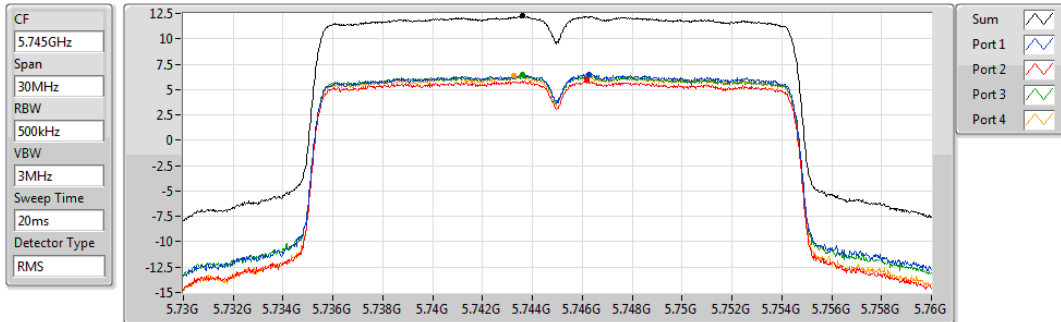


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5745MHz

20/02/2019



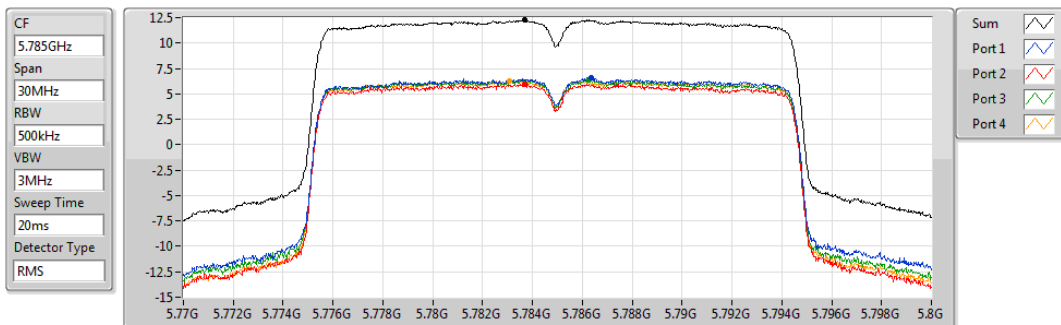
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) |
| 12.27     | 12.27     | 6.53      | 5.90      | 6.45      | 6.36      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5785MHz

20/02/2019



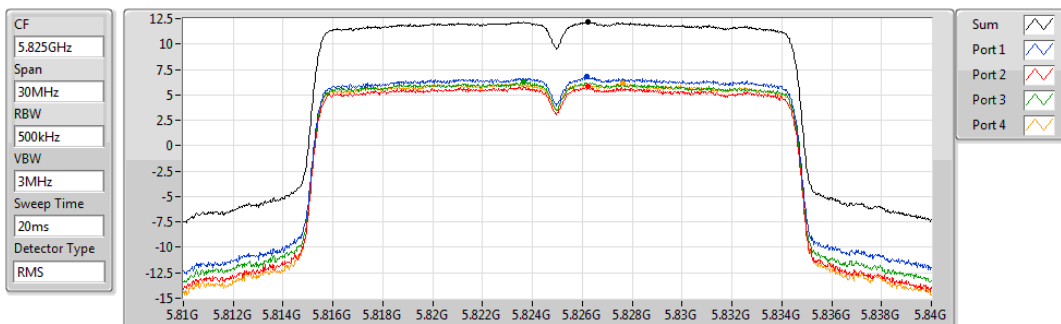
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) |
| 12.25     | 12.25     | 6.54      | 5.98      | 6.43      | 6.30      |

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

### PSD

5825MHz

20/02/2019



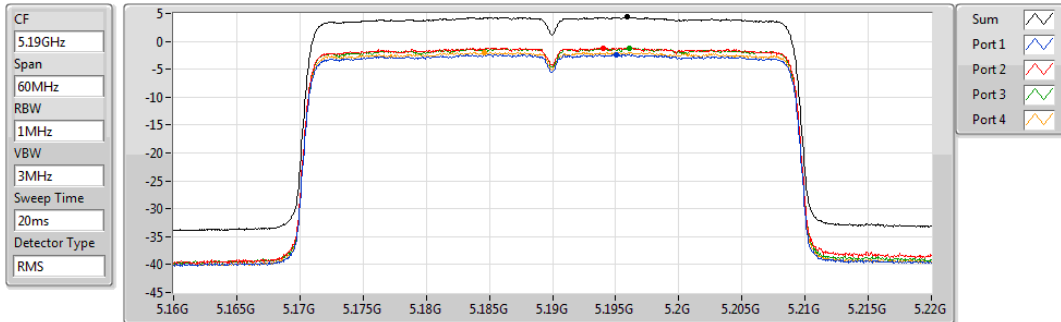
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) | (dBm/RTW) |
| 12.18     | 12.18     | 6.86      | 5.88      | 6.24      | 6.14      |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

20/02/2019



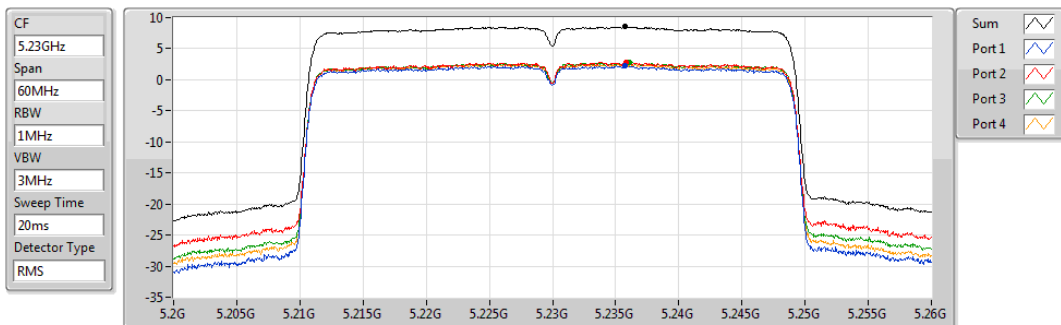
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.32     | 4.32     | -2.33    | -1.17    | -1.18    | -1.99    |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5230MHz

20/02/2019



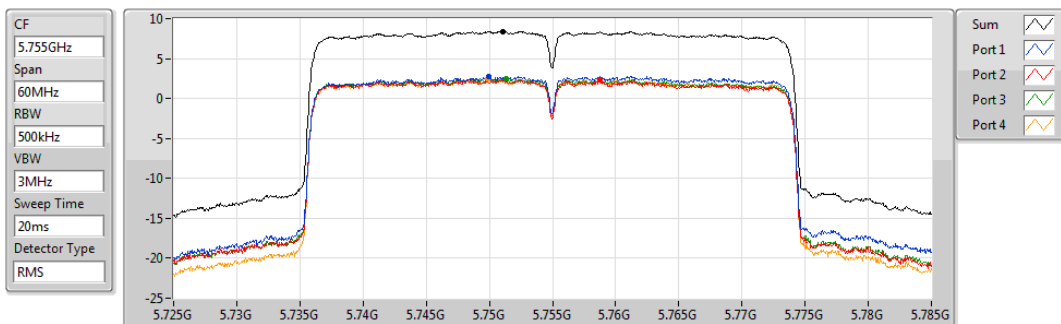
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.51     | 8.51     | 2.22     | 2.82     | 2.78     | 2.49     |

### 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

### PSD

5755MHz

20/02/2019



| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.42     | 8.42     | 2.79     | 2.30     | 2.48     | 2.45     |