

**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                    | -                | -               | -        | -                | -               |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 83.92M           | 76.922M         | 76M9D1D  | 82.8M            | 76.282M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 83.84M           | 77.881M         | 77M9D1D  | 82.72M           | 77.561M         |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 21.87M           | 16.642M         | 16M6D1D  | 21.42M           | 16.552M         |
| 802.11ac VHT20_Nss1,(MCS0)_4TX  | 22.02M           | 17.841M         | 17M8D1D  | 21.48M           | 17.721M         |
| 802.11ac VHT40_Nss1,(MCS0)_4TX  | 73.62M           | 36.462M         | 36M5D1D  | 39.78M           | 36.222M         |
| 802.11ac VHT80_Nss1,(MCS0)_4TX  | 82.2M            | 75.922M         | 75M9D1D  | 81.36M           | 75.682M         |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 82.88M           | 75.802M         | 75M8D1D  | 81.12M           | 75.722M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 25.14M           | 19.01M          | 19M0D1D  | 21.54M           | 18.951M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 63.42M           | 37.721M         | 37M7D1D  | 40.08M           | 37.541M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 82.08M           | 77.361M         | 77M4D1D  | 81.6M            | 76.882M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 81.92M           | 77.161M         | 77M2D1D  | 81.44M           | 77.081M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 26.91M           | 16.672M         | 16M7D1D  | 15.66M           | 13.298M         |
| 802.11ac VHT20_Nss1,(MCS0)_4TX  | 28.86M           | 17.841M         | 17M8D1D  | 15.915M          | 13.943M         |
| 802.11ac VHT40_Nss1,(MCS0)_4TX  | 88.02M           | 37.601M         | 37M6D1D  | 51.84M           | 33.163M         |
| 802.11ac VHT80_Nss1,(MCS0)_4TX  | 82.2M            | 75.802M         | 75M8D1D  | 75.525M          | 72.414M         |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 164.64M          | 154.243M        | 154MD1D  | 163.68M          | 153.523M        |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 29.82M           | 19.04M          | 19M0D1D  | 15.69M           | 14.468M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 84.12M           | 38.921M         | 38M9D1D  | 44.52M           | 33.863M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 82.2M            | 77.241M         | 77M2D1D  | 75.9M            | 73.238M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 164.88M          | 154.963M        | 155MD1D  | 163.44M          | 154.963M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 3.18M            | 4.218M          | 4M22D1D  | 3.12M            | 3.958M          |
| 802.11ac VHT20_Nss1,(MCS0)_4TX  | 3.76M            | 4.638M          | 4M64D1D  | 3.74M            | 4.318M          |
| 802.11ac VHT40_Nss1,(MCS0)_4TX  | 3.12M            | 24.768M         | 24M8D1D  | 3.1M             | 21.429M         |
| 802.11ac VHT80_Nss1,(MCS0)_4TX  | 3.12M            | 3.598M          | 3M60D1D  | 3.1M             | 3.478M          |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 4.5M             | 4.978M          | 4M98D1D  | 4.4M             | 4.538M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 3.8M             | 25.027M         | 25M0D1D  | 3.68M            | 21.529M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 3.78M            | 4.018M          | 4M02D1D  | 3.74M            | 3.998M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.51M              | 16.552M            | 21.48M              | 16.612M            | 21.63M              | 16.612M            | 21.57M              | 16.582M            |
| 5300MHz                         | Pass   | Inf           | 21.42M              | 16.552M            | 21.66M              | 16.582M            | 21.69M              | 16.642M            | 21.48M              | 16.612M            |
| 5320MHz                         | Pass   | Inf           | 21.54M              | 16.612M            | 21.51M              | 16.642M            | 21.87M              | 16.642M            | 21.54M              | 16.612M            |
| 5500MHz                         | Pass   | Inf           | 21.39M              | 16.582M            | 26.16M              | 16.642M            | 24M                 | 16.642M            | 21.66M              | 16.582M            |
| 5580MHz                         | Pass   | Inf           | 21.54M              | 16.642M            | 26.88M              | 16.672M            | 26.91M              | 16.672M            | 21.69M              | 16.582M            |
| 5700MHz                         | Pass   | Inf           | 21.84M              | 16.642M            | 21.96M              | 16.642M            | 26.58M              | 16.642M            | 21.54M              | 16.552M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.84M              | 13.343M            | 16.02M              | 13.298M            | 16.185M             | 13.358M            | 15.66M              | 13.358M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.18M               | 4.098M             | 3.18M               | 4.038M             | 3.12M               | 4.218M             | 3.12M               | 3.958M             |
| 802.11ac VHT20_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.72M              | 17.811M            | 21.75M              | 17.781M            | 21.48M              | 17.781M            | 21.69M              | 17.751M            |
| 5300MHz                         | Pass   | Inf           | 21.63M              | 17.781M            | 21.93M              | 17.751M            | 21.48M              | 17.781M            | 21.57M              | 17.721M            |
| 5320MHz                         | Pass   | Inf           | 21.78M              | 17.841M            | 22.02M              | 17.781M            | 21.63M              | 17.781M            | 21.87M              | 17.781M            |
| 5500MHz                         | Pass   | Inf           | 21.93M              | 17.781M            | 23.04M              | 17.811M            | 26.85M              | 17.841M            | 21.72M              | 17.781M            |
| 5580MHz                         | Pass   | Inf           | 22.65M              | 17.781M            | 24.33M              | 17.781M            | 28.86M              | 17.841M            | 21.84M              | 17.811M            |
| 5700MHz                         | Pass   | Inf           | 21.84M              | 17.811M            | 21.87M              | 17.781M            | 21.54M              | 17.811M            | 21.54M              | 17.781M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 16.215M             | 13.943M            | 15.975M             | 13.973M            | 17.28M              | 13.973M            | 15.915M             | 13.943M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.74M               | 4.518M             | 3.76M               | 4.338M             | 3.74M               | 4.638M             | 3.76M               | 4.318M             |
| 802.11ac VHT40_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 59.4M               | 36.282M            | 73.62M              | 36.342M            | 72.6M               | 36.462M            | 53.28M              | 36.402M            |
| 5310MHz                         | Pass   | Inf           | 40.14M              | 36.222M            | 40.44M              | 36.342M            | 45.66M              | 36.342M            | 39.78M              | 36.282M            |
| 5510MHz                         | Pass   | Inf           | 57.48M              | 36.282M            | 74.82M              | 36.462M            | 74.58M              | 36.462M            | 51.84M              | 36.402M            |
| 5550MHz                         | Pass   | Inf           | 83.46M              | 36.522M            | 88.02M              | 37.601M            | 87.42M              | 37.301M            | 75.06M              | 36.582M            |
| 5670MHz                         | Pass   | Inf           | 86.88M              | 36.582M            | 82.8M               | 36.822M            | 87.36M              | 37.541M            | 73.98M              | 36.522M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 57.33M              | 33.163M            | 57.54M              | 33.338M            | 57.645M             | 33.443M            | 52.115M             | 33.268M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.12M               | 22.029M            | 3.12M               | 22.809M            | 3.12M               | 24.768M            | 3.1M                | 21.429M            |
| 802.11ac VHT80_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 82.2M               | 75.802M            | 81.6M               | 75.802M            | 81.36M              | 75.682M            | 81.96M              | 75.922M            |
| 5530MHz                         | Pass   | Inf           | 82.2M               | 75.802M            | 81.48M              | 75.682M            | 81.24M              | 75.682M            | 81.72M              | 75.682M            |
| 5610MHz                         | Pass   | Inf           | 81.84M              | 75.682M            | 81.12M              | 75.802M            | 81.12M              | 75.682M            | 81.72M              | 75.682M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 76.125M             | 72.489M            | 75.525M             | 72.414M            | 75.6M               | 72.639M            | 76.05M              | 72.564M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.1M                | 3.598M             | 3.12M               | 3.518M             | 3.1M                | 3.538M             | 3.1M                | 3.478M             |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 82.8M               | 76.842M            | 82.8M               | 76.922M            | 83.92M              | 76.282M            | 82.8M               | 76.522M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 81.68M              | 75.802M            | 82.88M              | 75.802M            | 81.12M              | 75.722M            | 81.2M               | 75.802M            |
| 5570MHz                         | Pass   | Inf           | 163.68M             | 154.243M           | 164.4M              | 153.763M           | 164.64M             | 154.003M           | 163.68M             | 153.523M           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.66M              | 18.981M            | 21.57M              | 18.951M            | 21.54M              | 19.01M             | 21.75M              | 18.981M            |
| 5300MHz                         | Pass   | Inf           | 21.57M              | 18.951M            | 22.86M              | 19.01M             | 23.22M              | 18.951M            | 21.75M              | 18.981M            |
| 5320MHz                         | Pass   | Inf           | 21.6M               | 18.951M            | 22.71M              | 18.951M            | 25.14M              | 18.981M            | 21.84M              | 18.981M            |
| 5500MHz                         | Pass   | Inf           | 23.85M              | 18.981M            | 24.69M              | 19.04M             | 29.82M              | 19.04M             | 23.22M              | 18.951M            |
| 5580MHz                         | Pass   | Inf           | 25.86M              | 19.01M             | 27.99M              | 19.01M             | 28.47M              | 19.01M             | 23.67M              | 19.01M             |
| 5700MHz                         | Pass   | Inf           | 23.67M              | 18.981M            | 21.69M              | 18.981M            | 23.01M              | 18.981M            | 21.69M              | 18.981M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 16.53M              | 14.513M            | 15.69M              | 14.468M            | 17.52M              | 14.513M            | 15.78M              | 14.528M            |

| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 4.4M                | 4.598M             | 4.42M               | 4.538M             | 4.44M               | 4.978M             | 4.5M                | 4.618M             |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 43.8M               | 37.541M            | 63.42M              | 37.721M            | 56.88M              | 37.661M            | 44.22M              | 37.601M            |
| 5310MHz                         | Pass   | Inf           | 40.14M              | 37.601M            | 41.94M              | 37.601M            | 44.16M              | 37.721M            | 40.08M              | 37.601M            |
| 5510MHz                         | Pass   | Inf           | 44.52M              | 37.541M            | 64.5M               | 37.841M            | 76.5M               | 37.781M            | 49.5M               | 37.721M            |
| 5550MHz                         | Pass   | Inf           | 74.1M               | 37.841M            | 82.68M              | 38.921M            | 84.12M              | 38.381M            | 73.86M              | 37.841M            |
| 5670MHz                         | Pass   | Inf           | 74.58M              | 37.841M            | 77.34M              | 38.021M            | 79.2M               | 38.261M            | 74.1M               | 37.961M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 50.575M             | 33.863M            | 53.2M               | 34.073M            | 55.895M             | 34.353M            | 50.575M             | 33.898M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.74M               | 21.949M            | 3.8M                | 22.609M            | 3.68M               | 25.027M            | 3.78M               | 21.529M            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 81.96M              | 77.121M            | 82.08M              | 77.361M            | 81.96M              | 76.882M            | 81.6M               | 77.001M            |
| 5530MHz                         | Pass   | Inf           | 82.08M              | 77.001M            | 82.2M               | 77.121M            | 81.72M              | 77.241M            | 81.6M               | 76.762M            |
| 5610MHz                         | Pass   | Inf           | 81.84M              | 76.882M            | 82.2M               | 76.882M            | 81.72M              | 77.121M            | 81.24M              | 77.121M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 76.05M              | 73.313M            | 76.125M             | 73.238M            | 76.05M              | 73.238M            | 75.9M               | 73.313M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.74M               | 4.018M             | 3.78M               | 4.018M             | 3.74M               | 4.018M             | 3.74M               | 3.998M             |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 82.8M               | 77.561M            | 82.72M              | 77.801M            | 83.84M              | 77.881M            | 83.2M               | 77.881M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 81.6M               | 77.161M            | 81.6M               | 77.081M            | 81.44M              | 77.081M            | 81.92M              | 77.161M            |
| 5570MHz                         | Pass   | Inf           | 163.44M             | 154.963M           | 164.16M             | 154.963M           | 164.88M             | 154.963M           | 164.16M             | 154.963M           |

**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

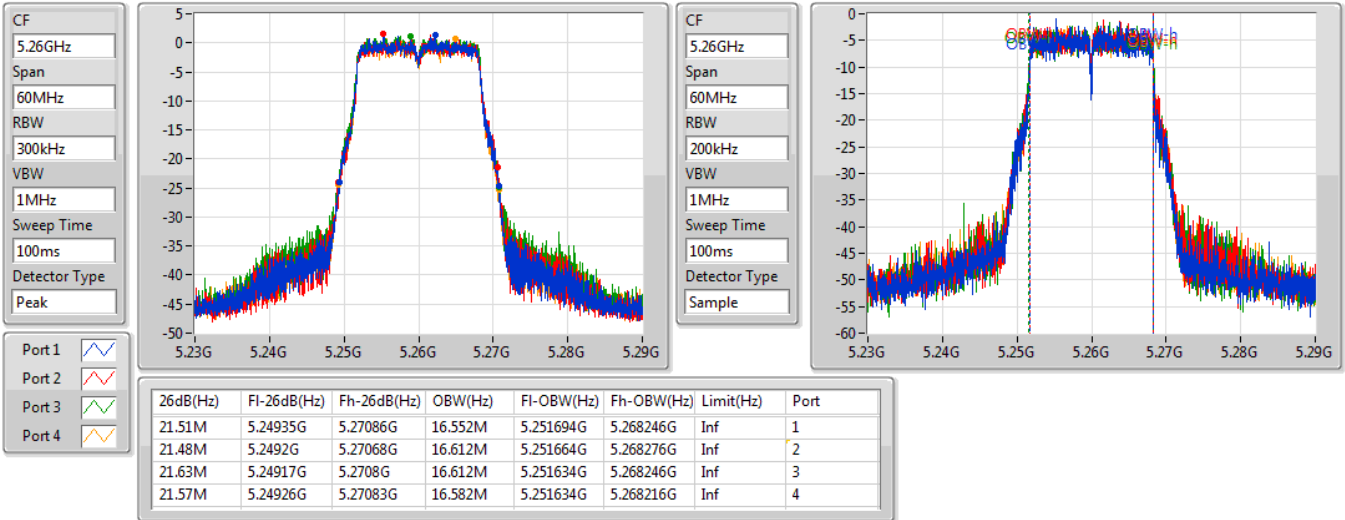
**Port X-OBW** = Port X 99% occupied bandwidth;

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

EBW

5260MHz

07/11/2019

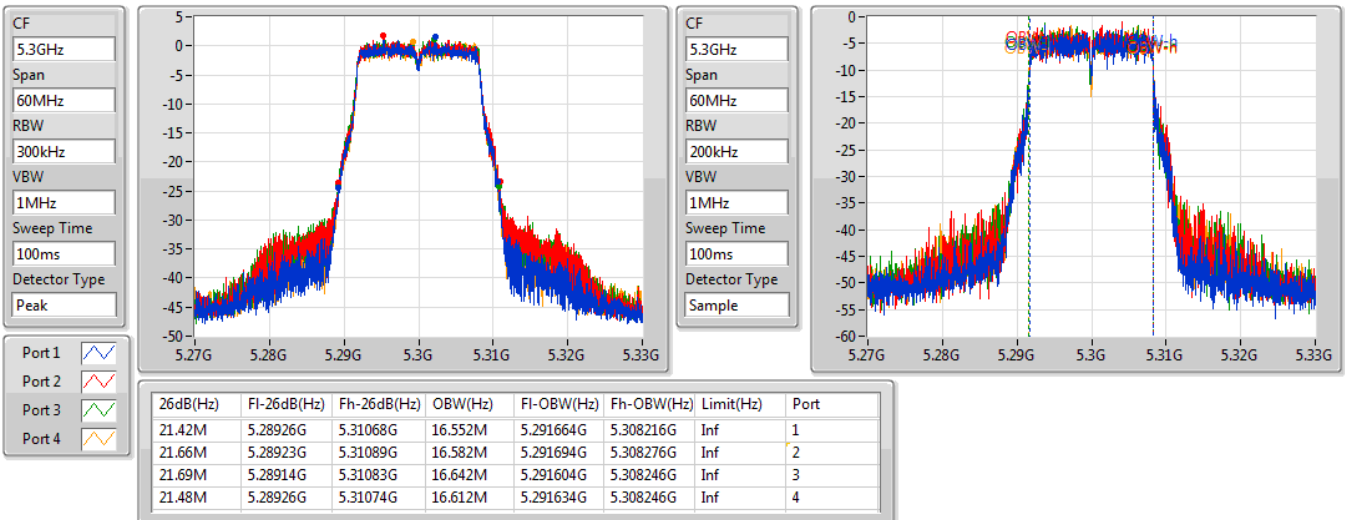


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5300MHz

07/11/2019

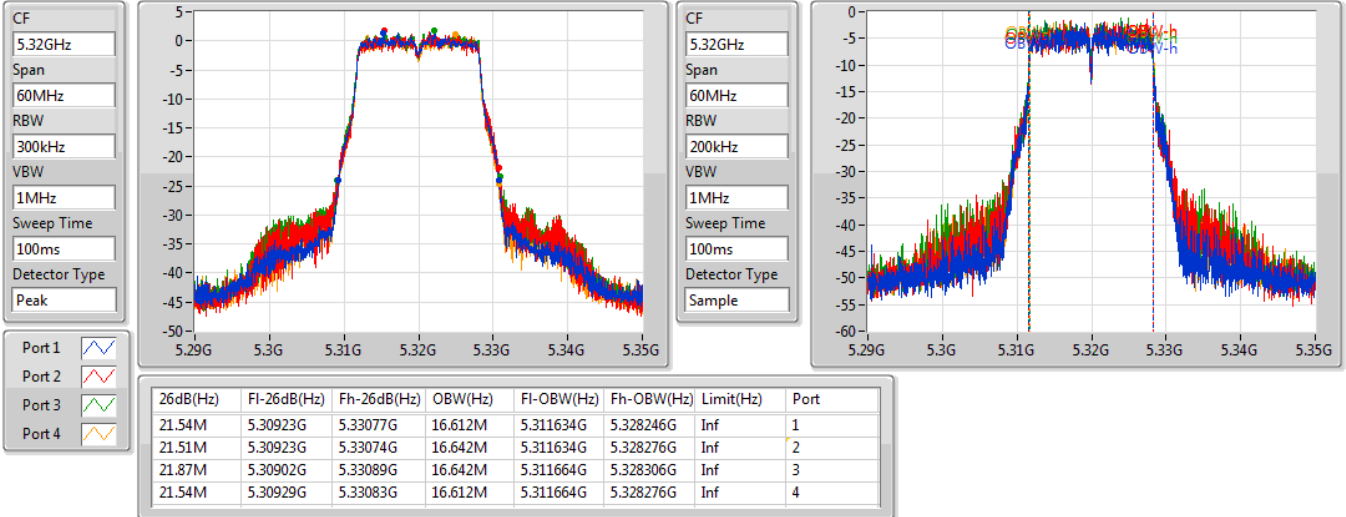


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5320MHz

07/11/2019

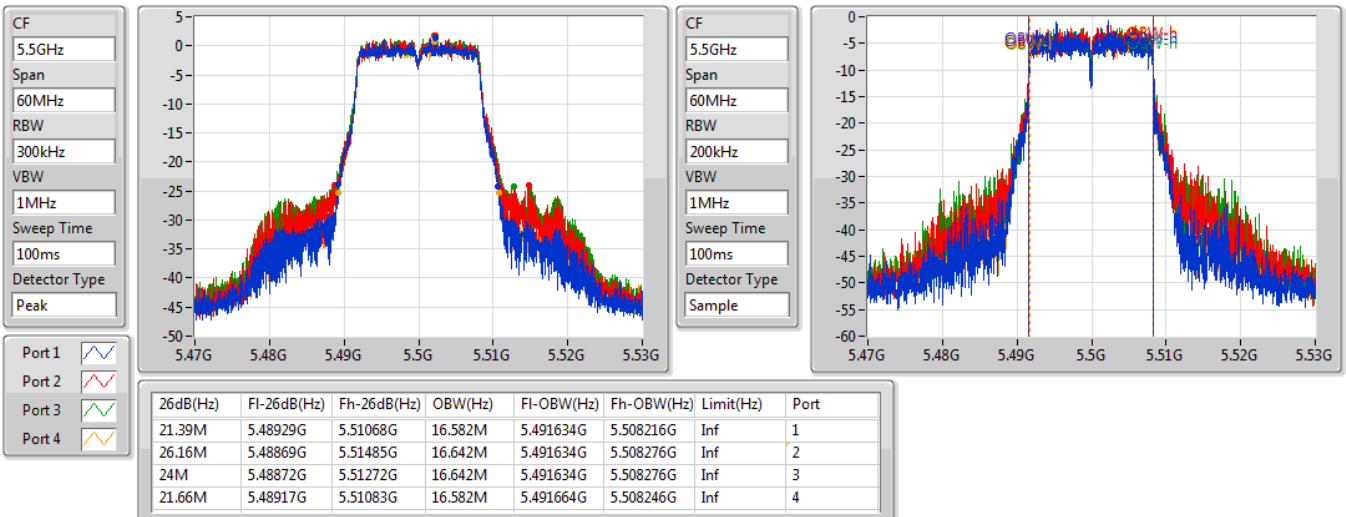


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5500MHz

07/11/2019

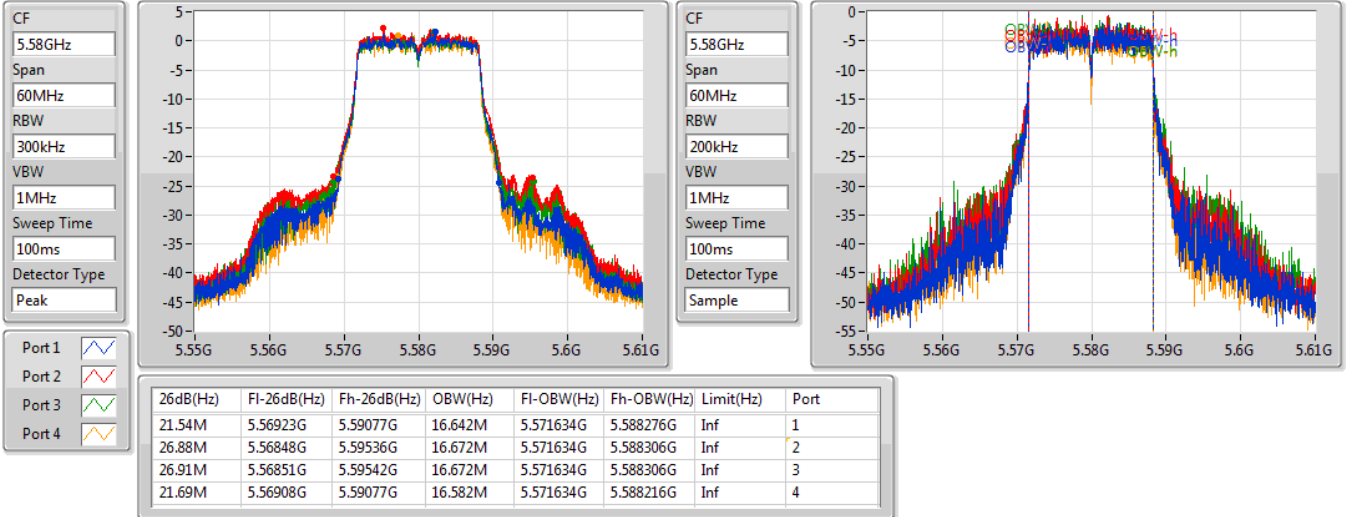


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5580MHz

07/11/2019

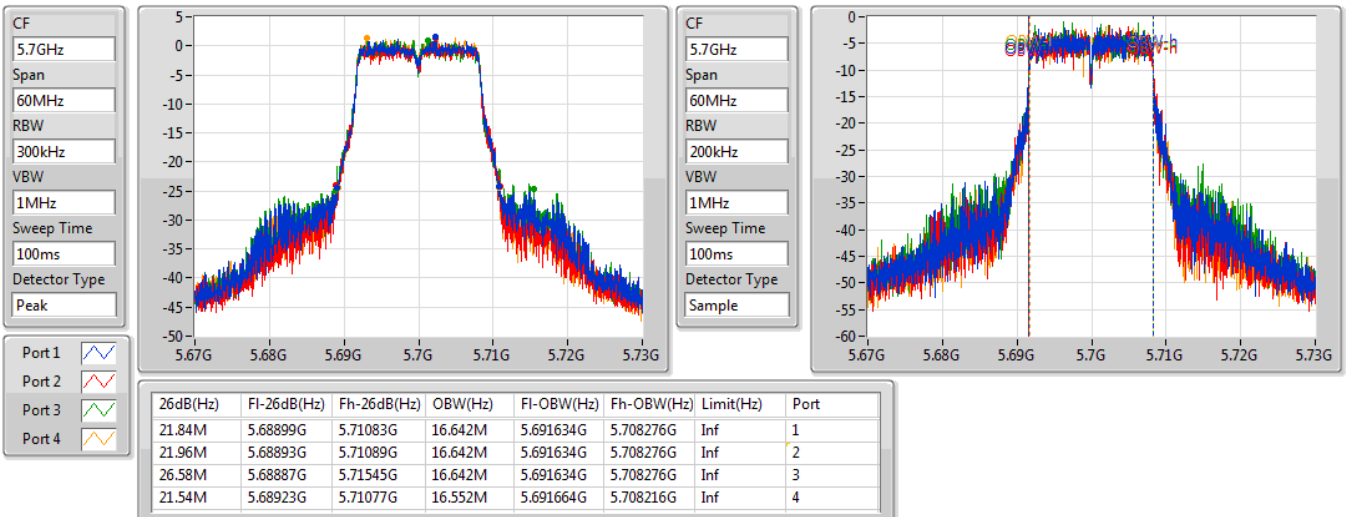


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

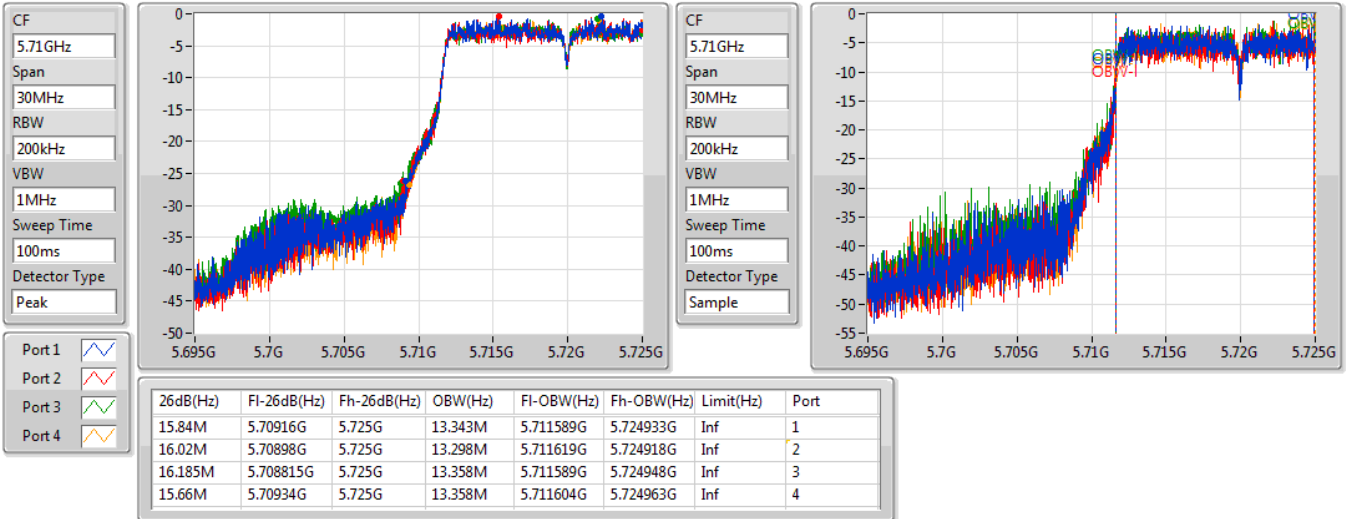
5700MHz

07/11/2019

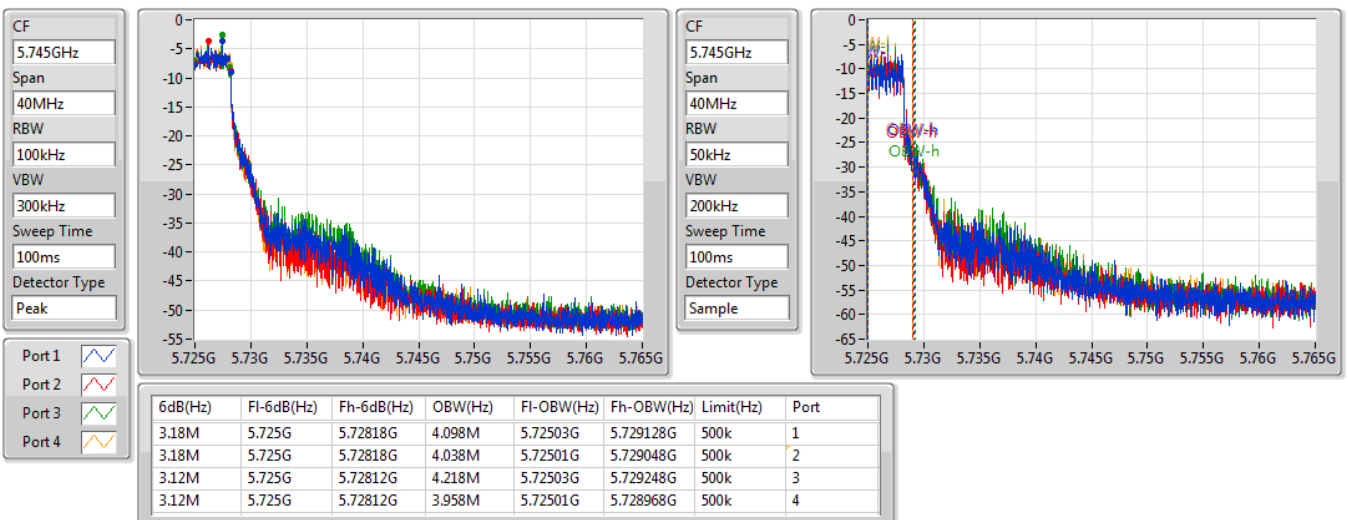


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

07/11/2019


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5720MHz Straddle 5.725-5.85GHz**

07/11/2019

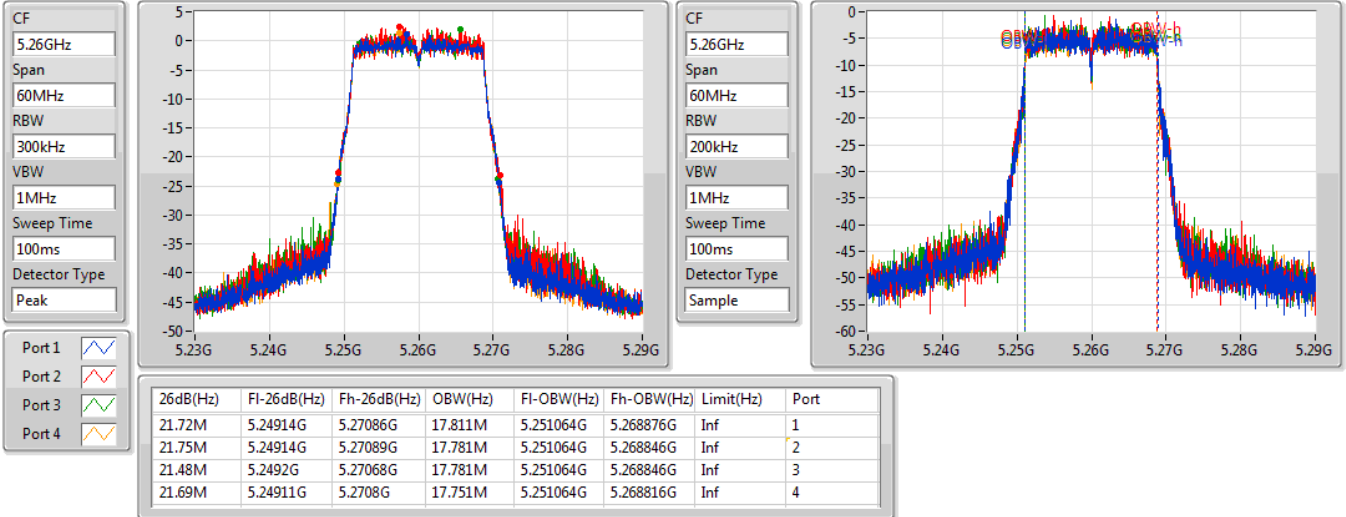


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5260MHz

07/11/2019

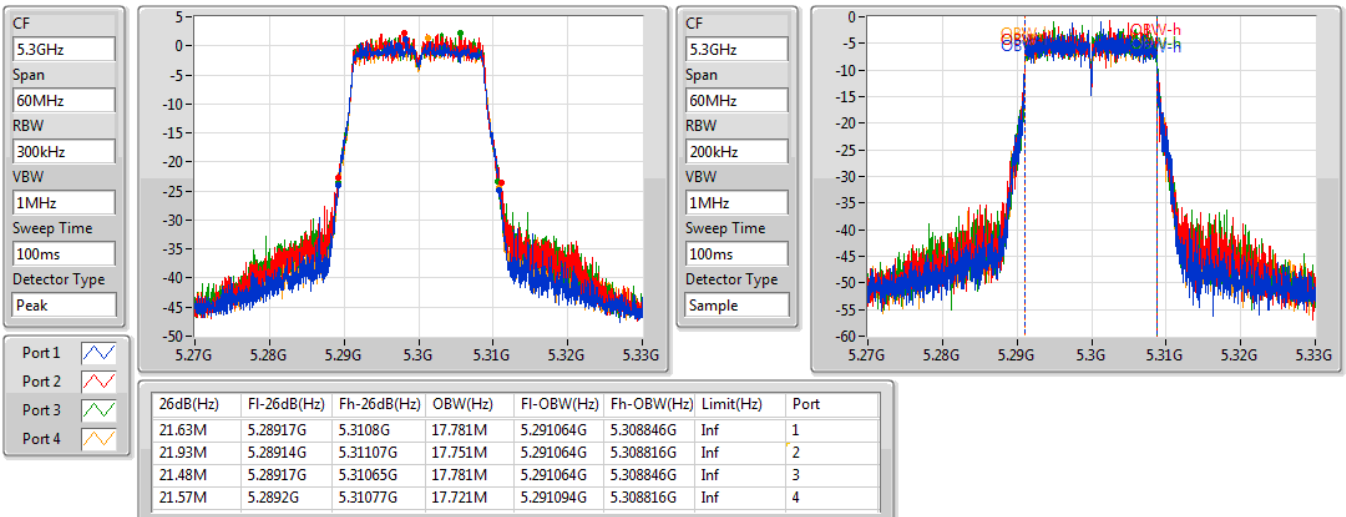


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5300MHz

07/11/2019



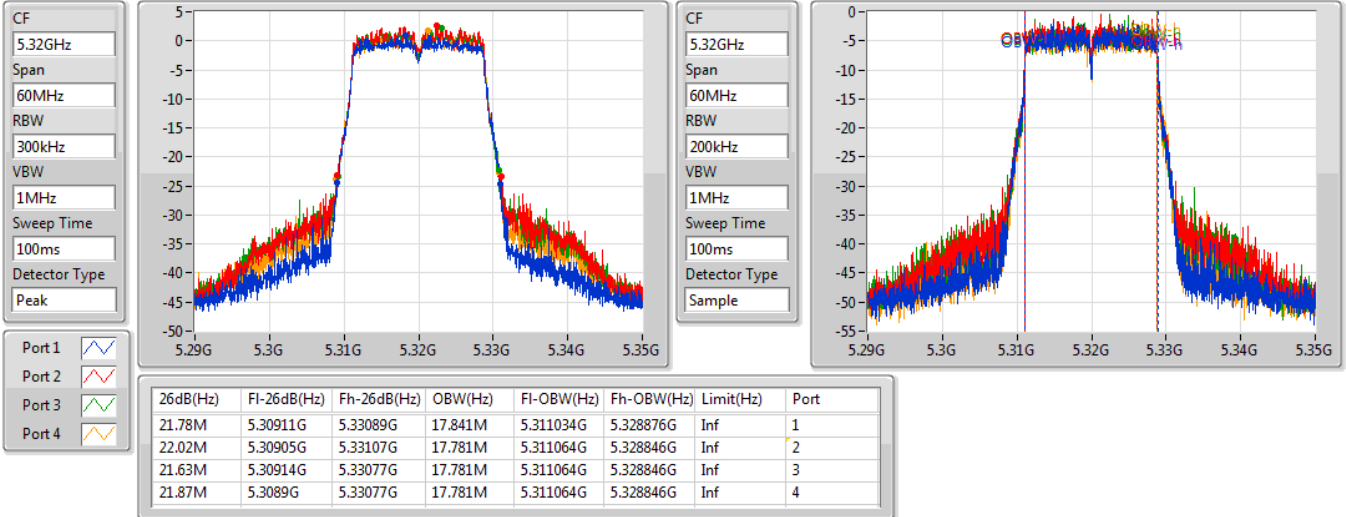


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5320MHz

07/11/2019

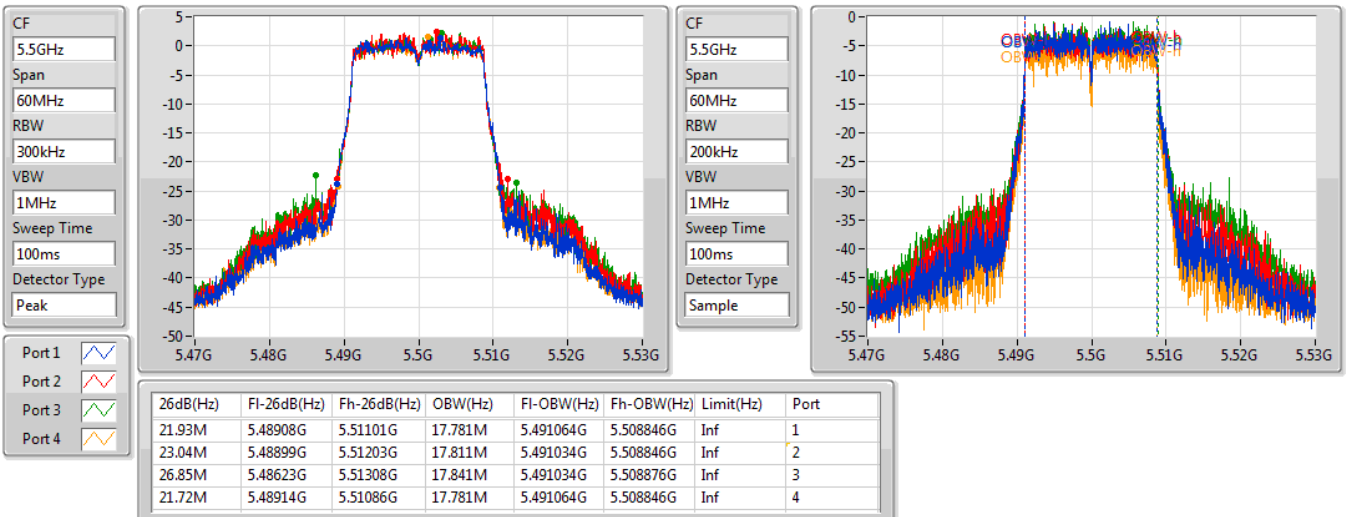


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5500MHz

07/11/2019

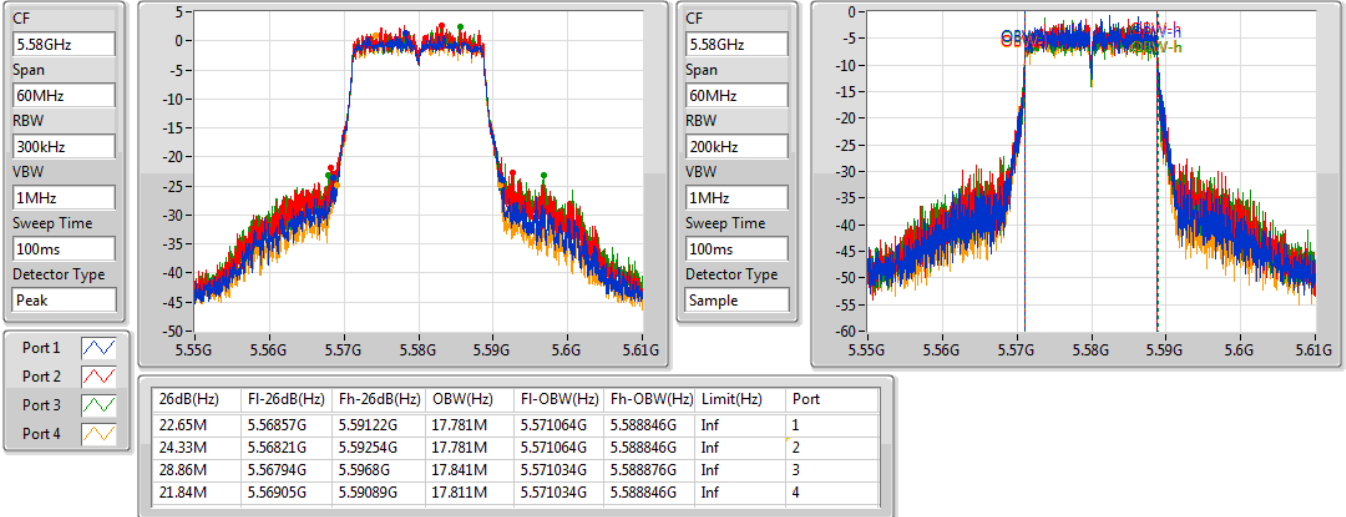


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5580MHz

07/11/2019

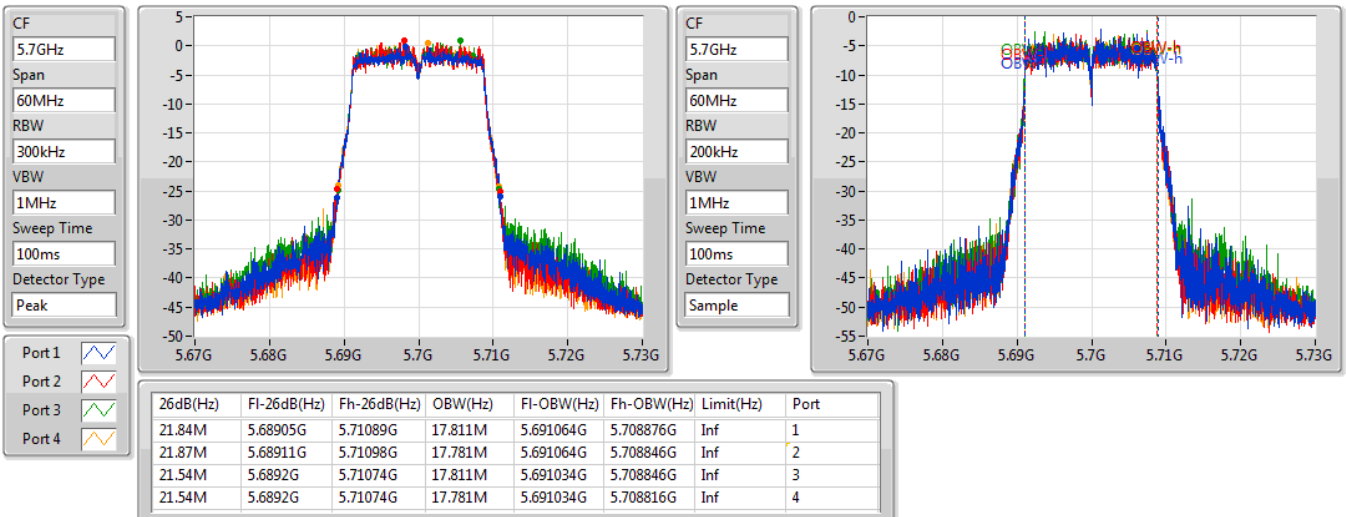


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5700MHz

07/11/2019

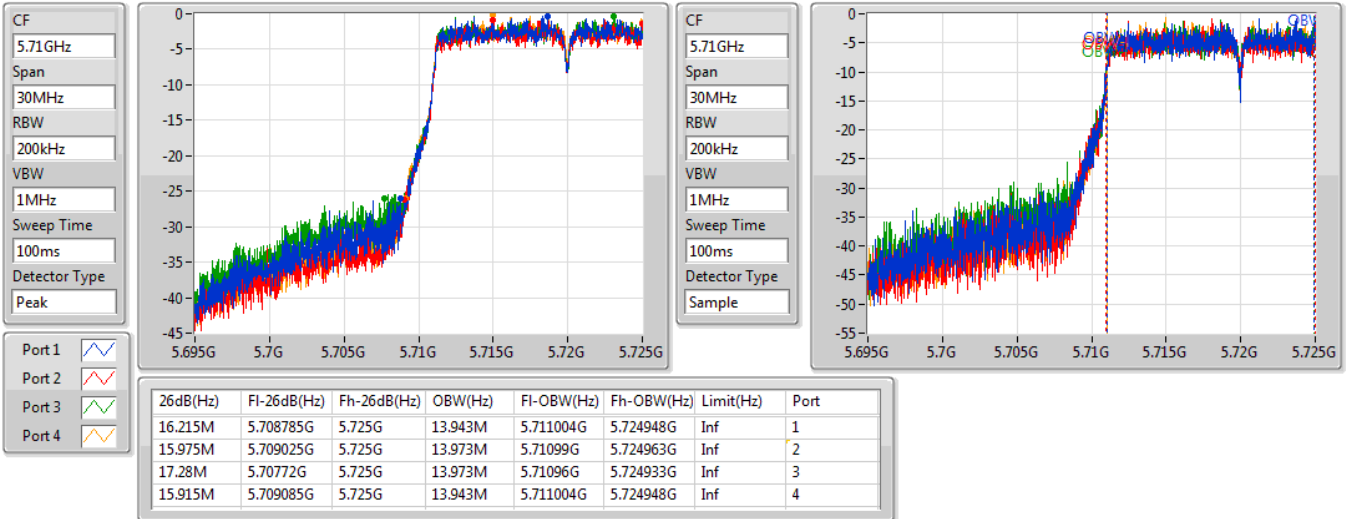


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

### 5720MHz Straddle 5.47-5.725GHz

07/11/2019

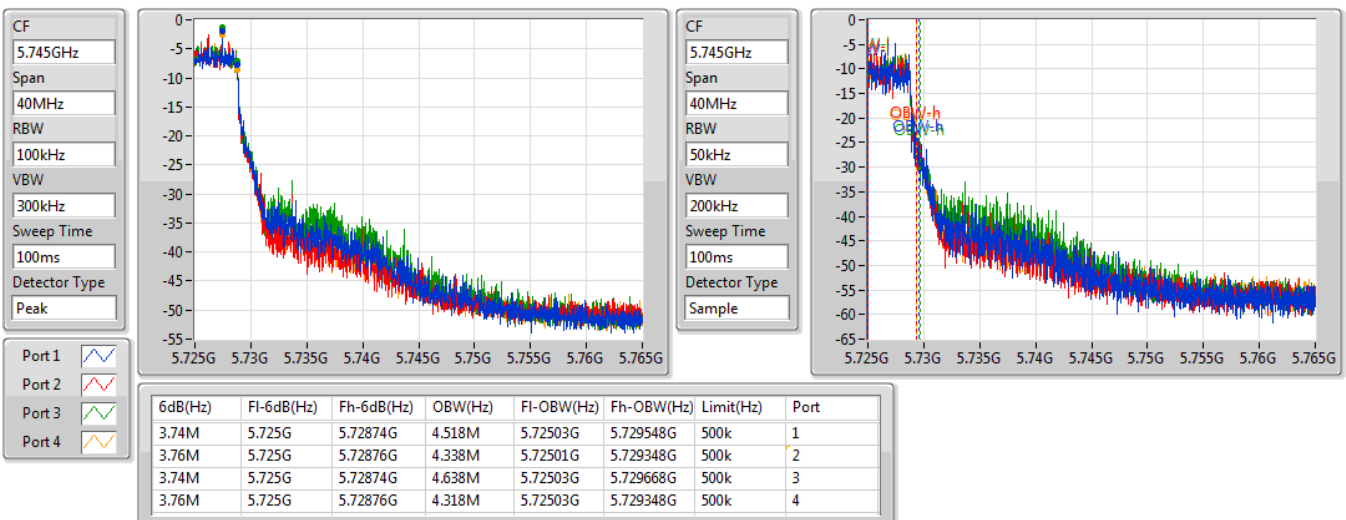


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

### 5720MHz Straddle 5.725-5.85GHz

07/11/2019

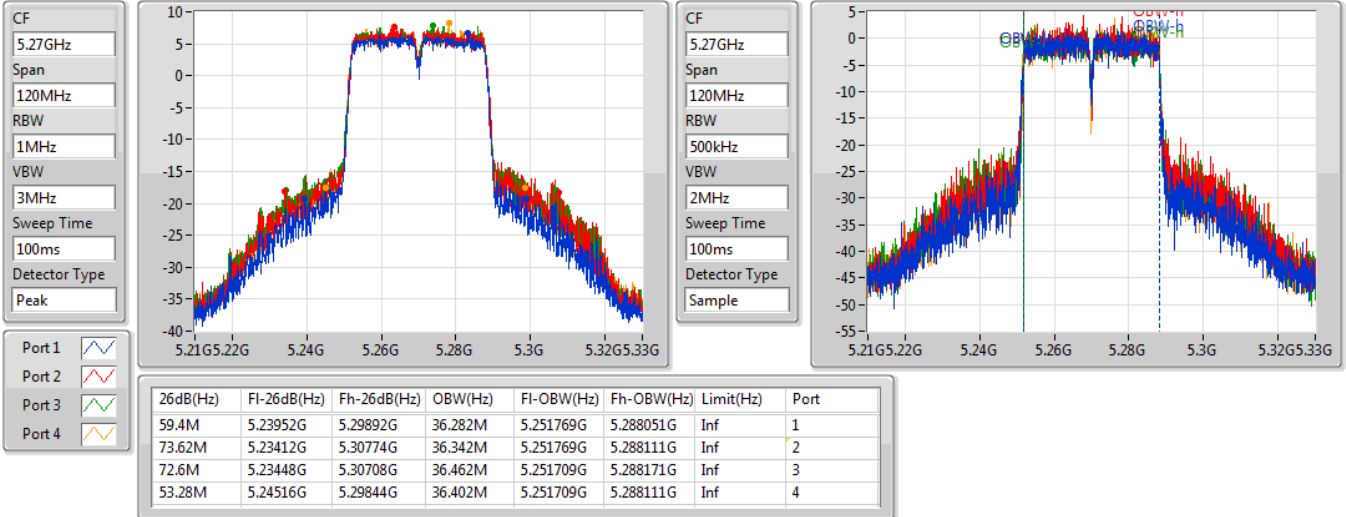


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5270MHz

08/11/2019

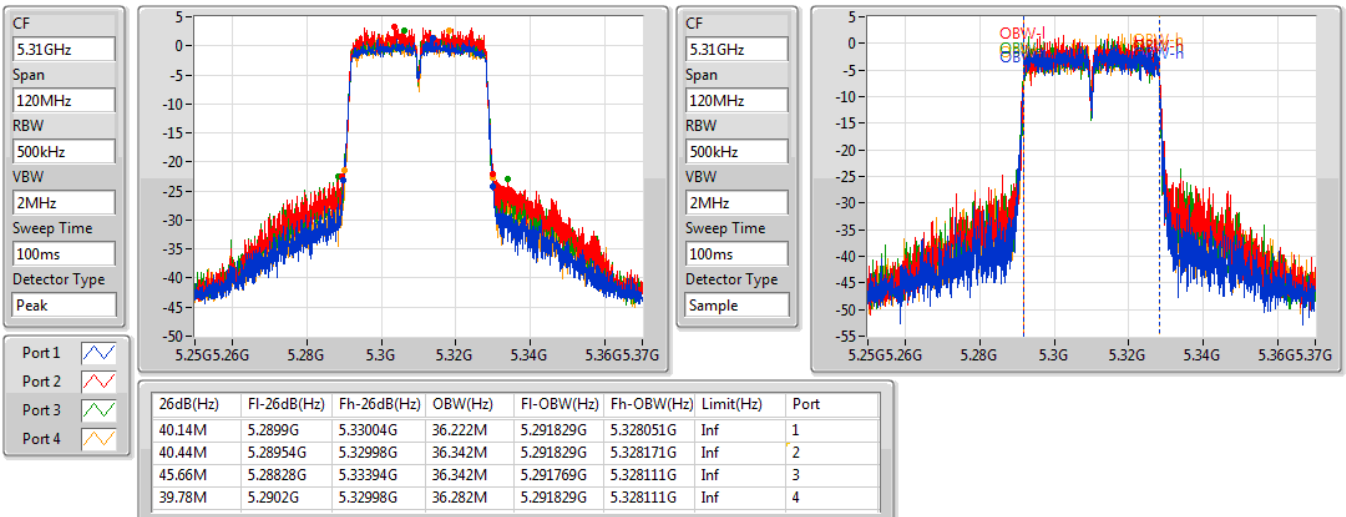


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5310MHz

08/11/2019

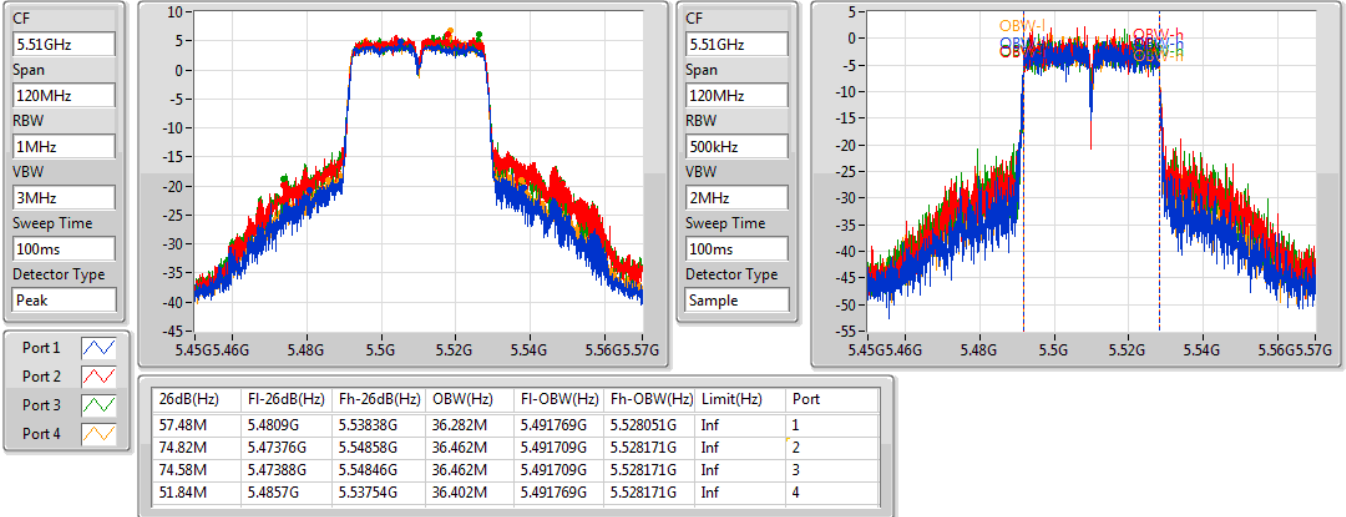


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5510MHz

08/11/2019

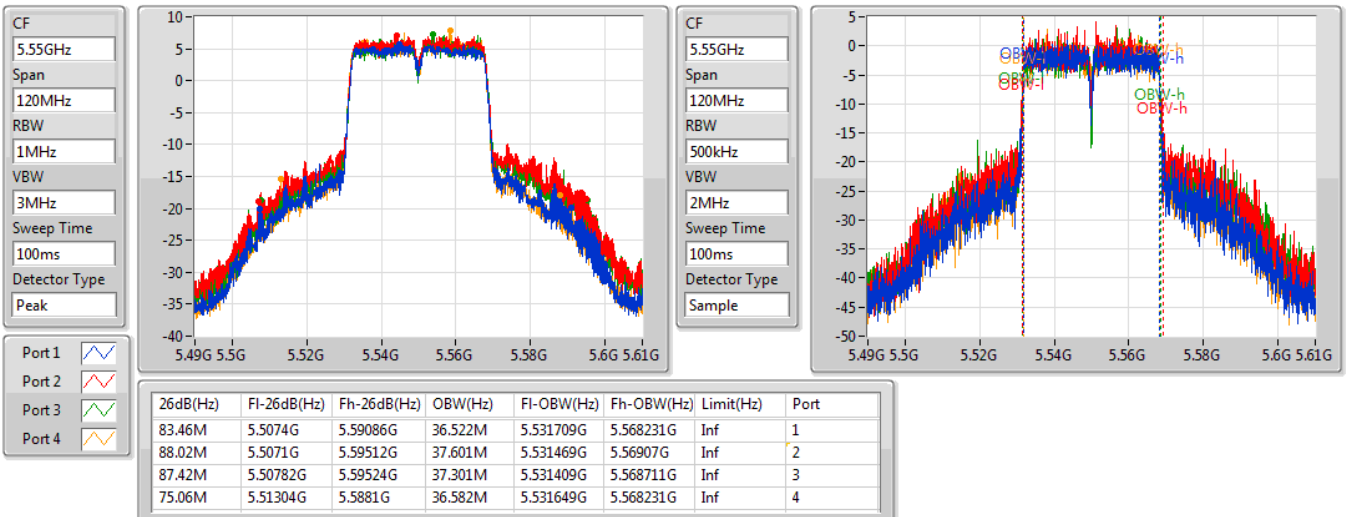


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5550MHz

08/11/2019

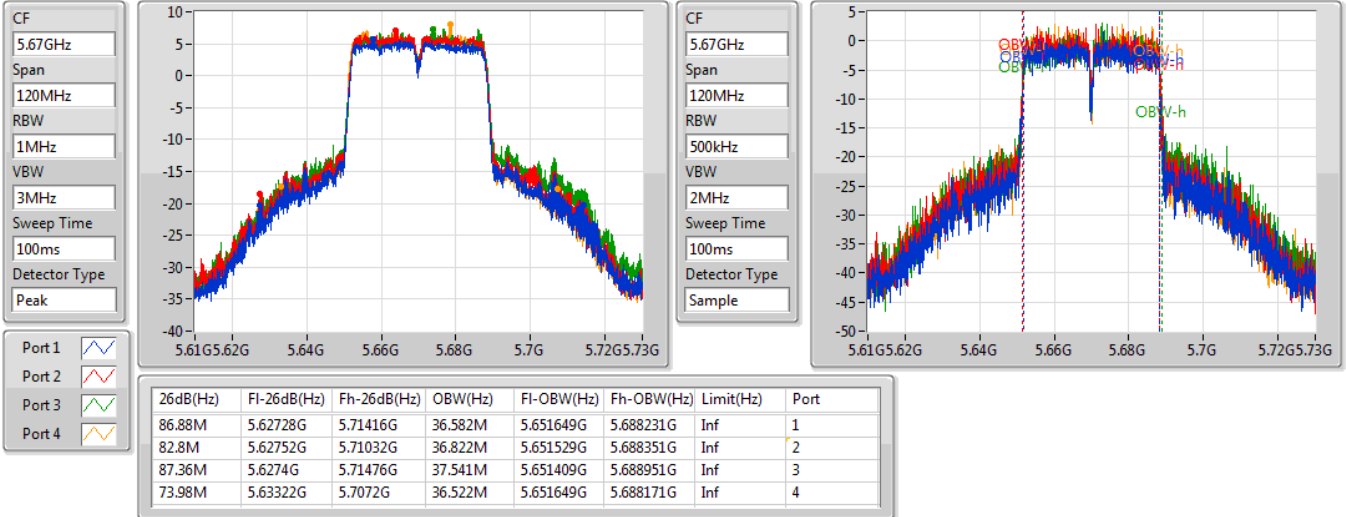


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5670MHz

08/11/2019

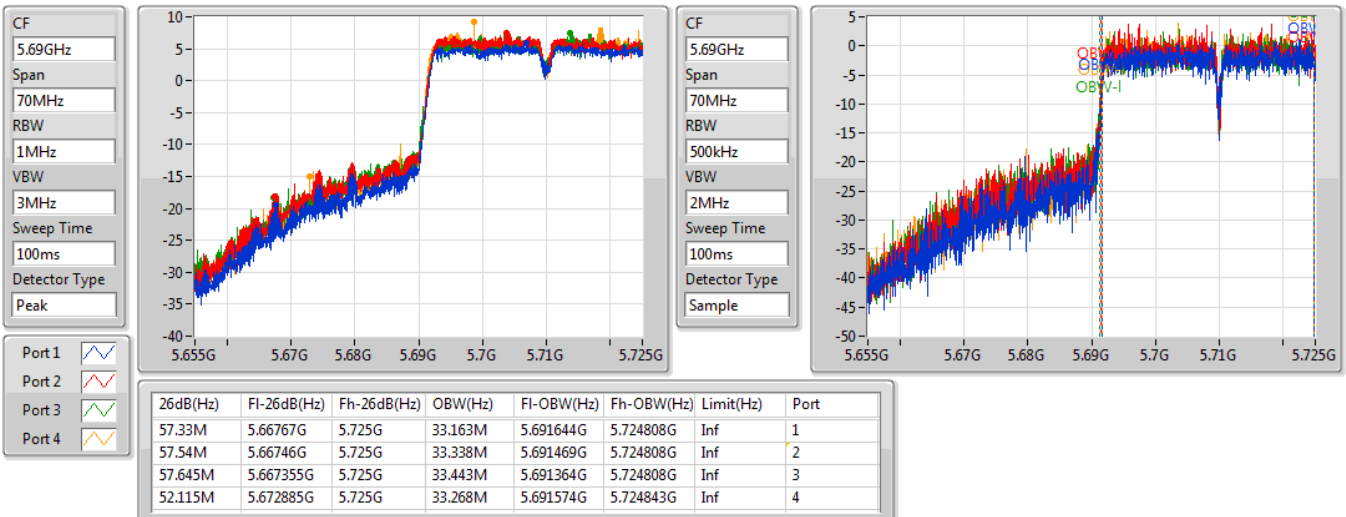


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

08/11/2019

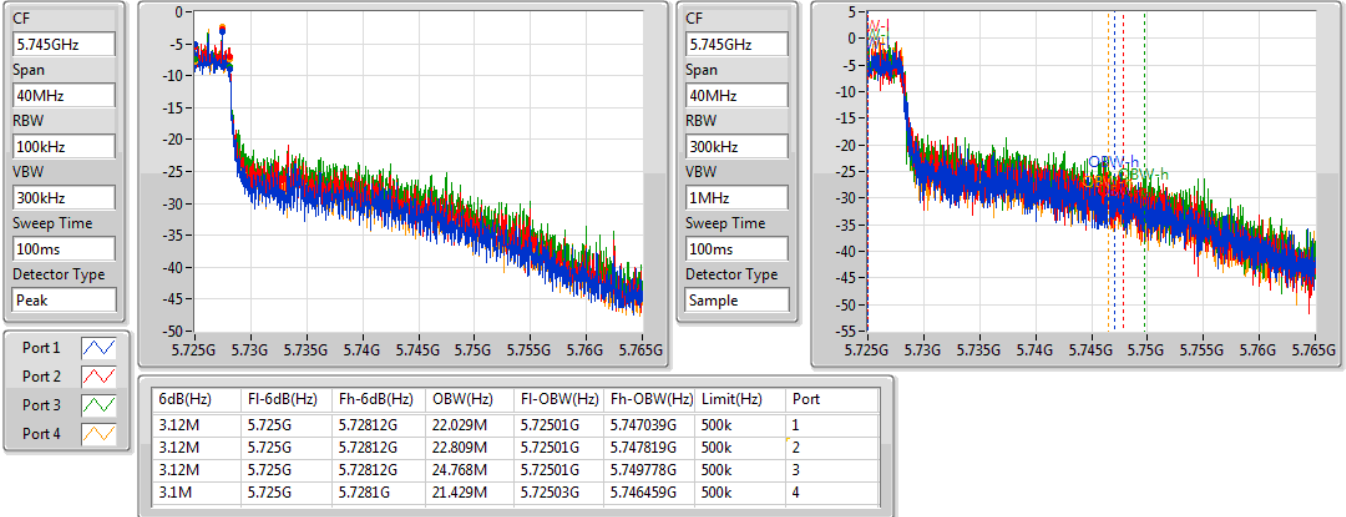


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

### 5710MHz Straddle 5.725-5.85GHz

08/11/2019

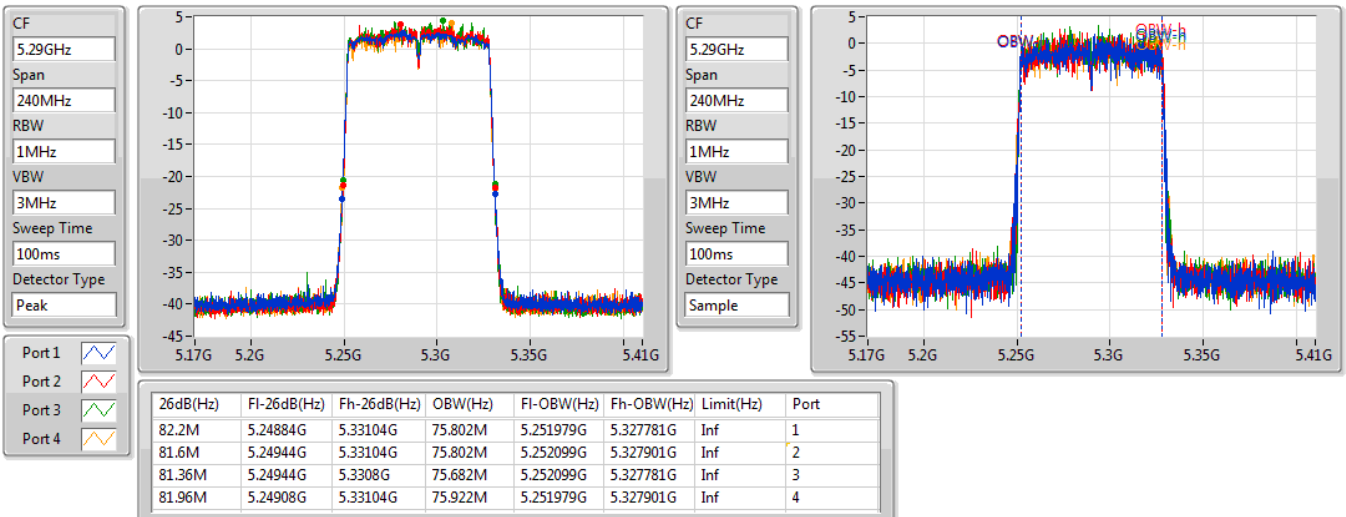


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

### 5290MHz

08/11/2019



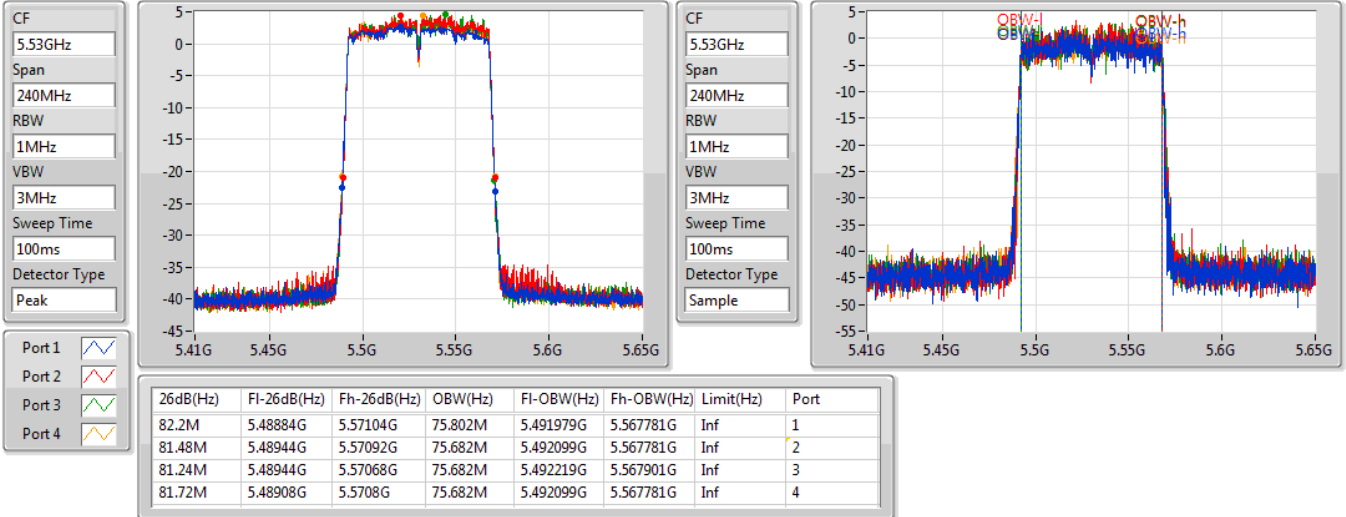


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5530MHz

08/11/2019

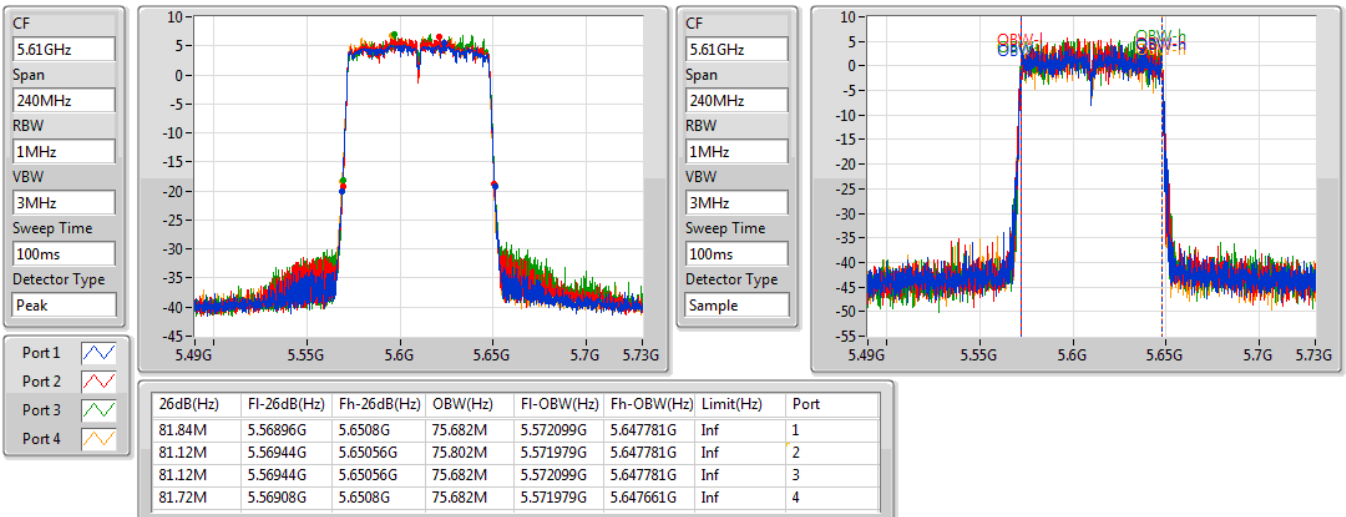


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5610MHz

08/11/2019



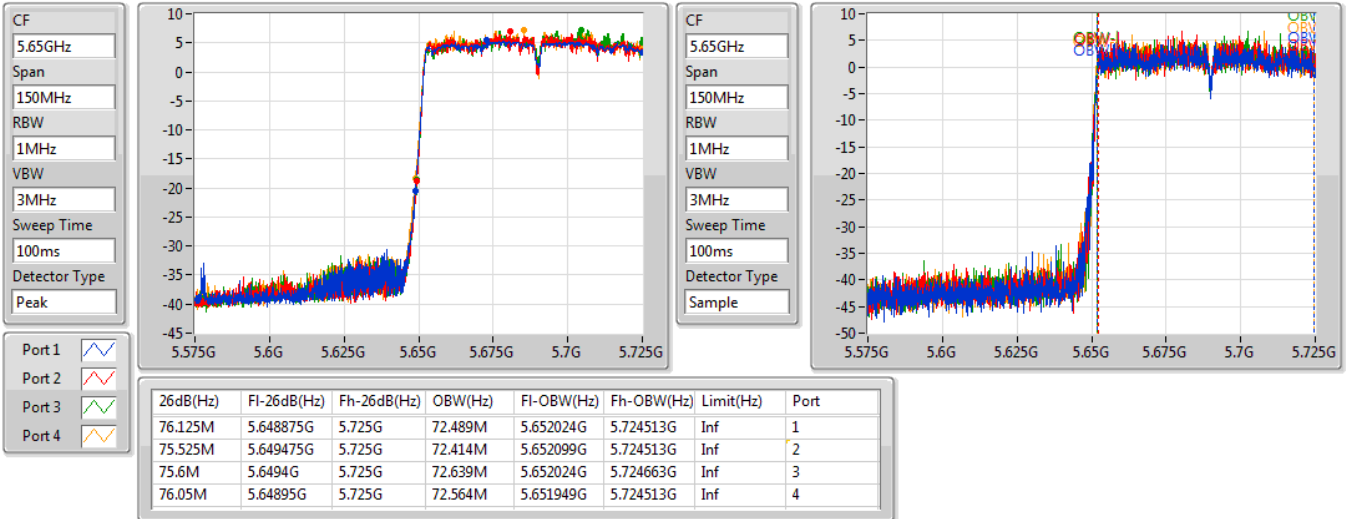


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

### 5690MHz Straddle 5.47-5.725GHz

08/11/2019

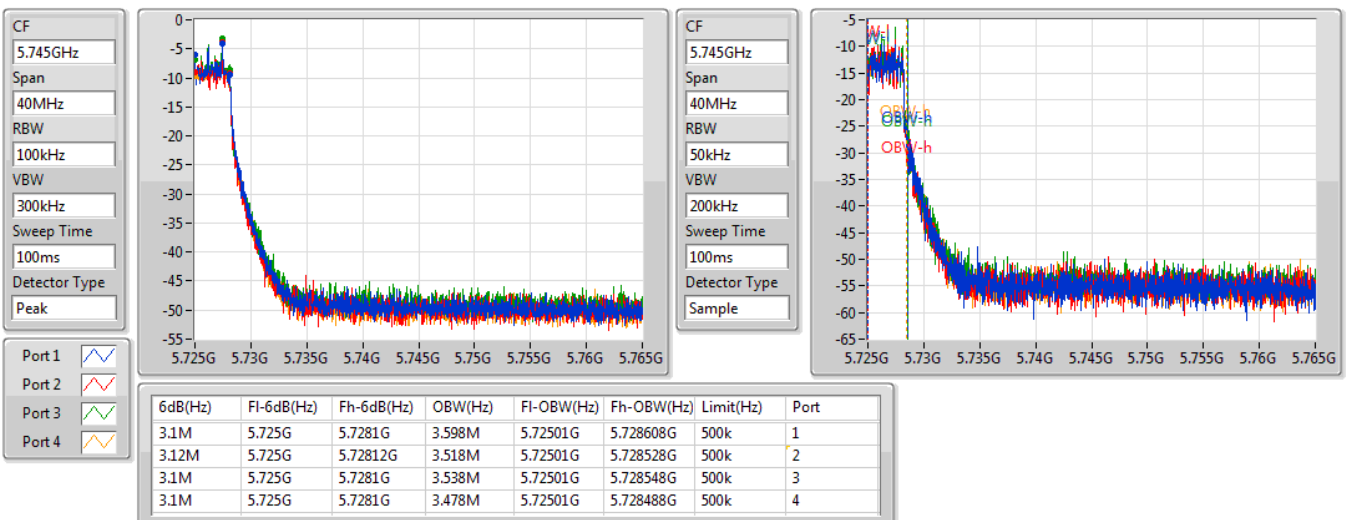


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

### 5690MHz Straddle 5.725-5.85GHz

08/11/2019

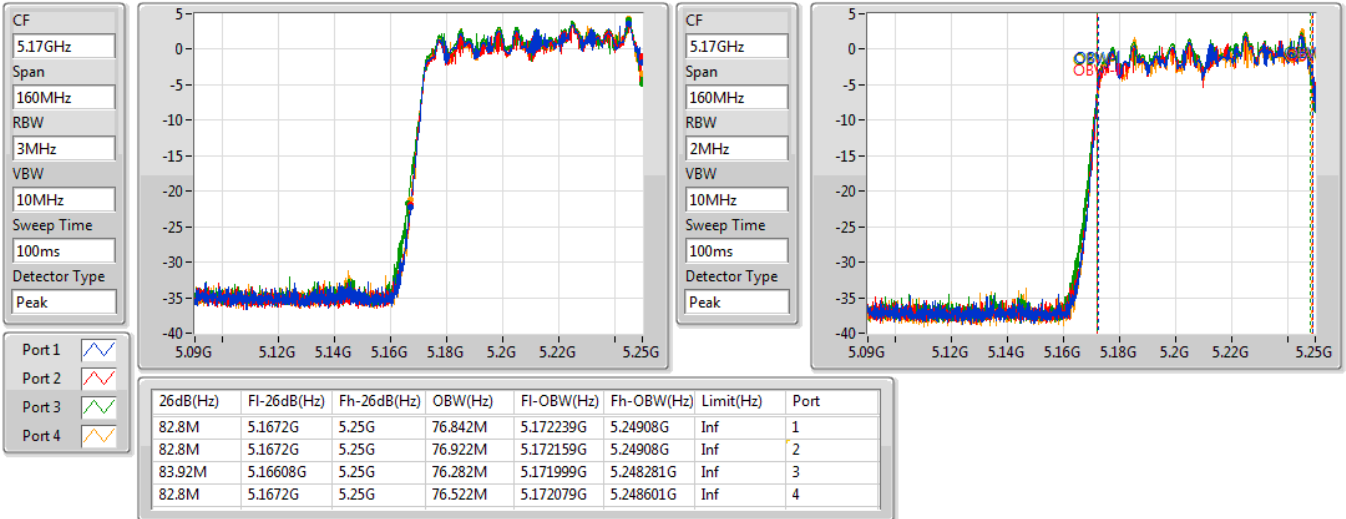


## 802.11ac VHT160\_Nss1,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.15-5.25GHz

04/12/2019

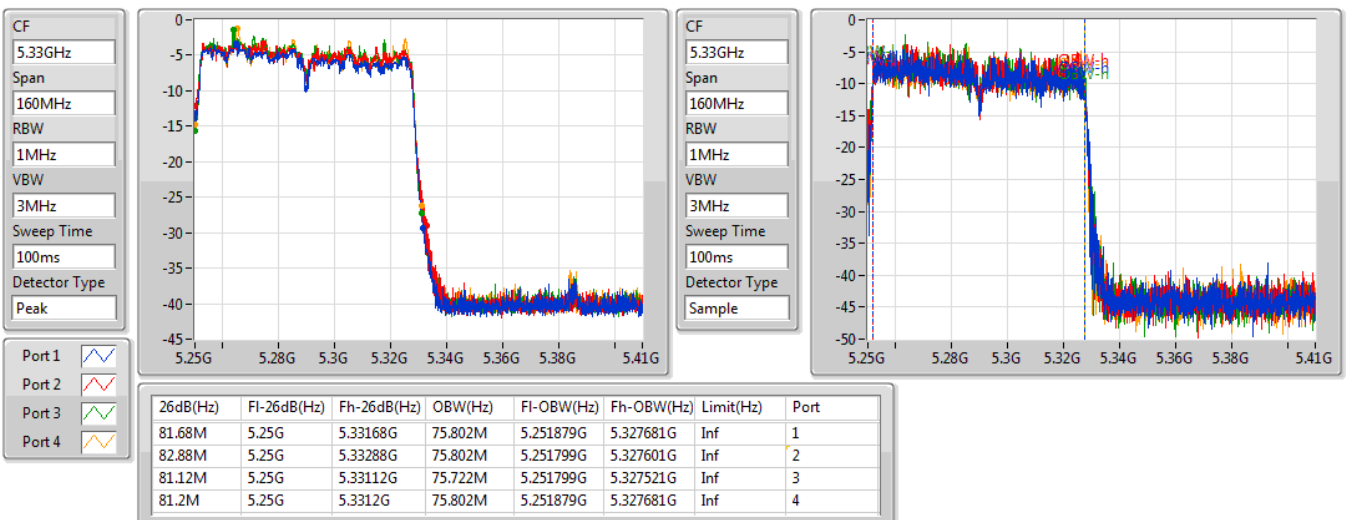


## 802.11ac VHT160\_Nss1,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.25-5.35GHz

08/11/2019

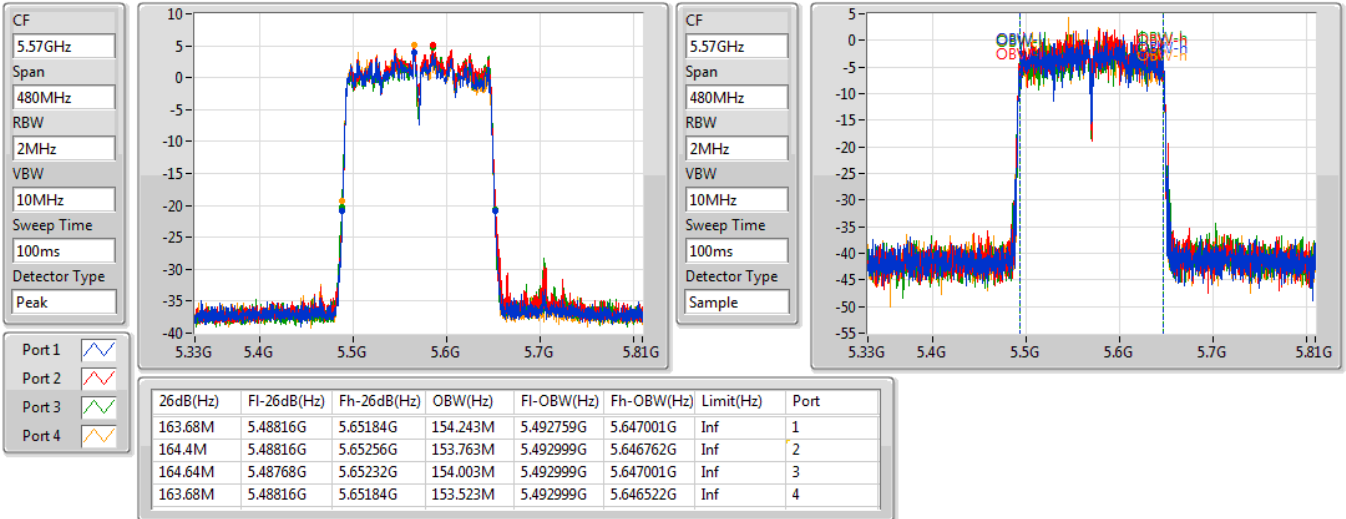


## 802.11ac VHT160\_Nss1,(MCS0)\_4TX

EBW

5570MHz

08/11/2019

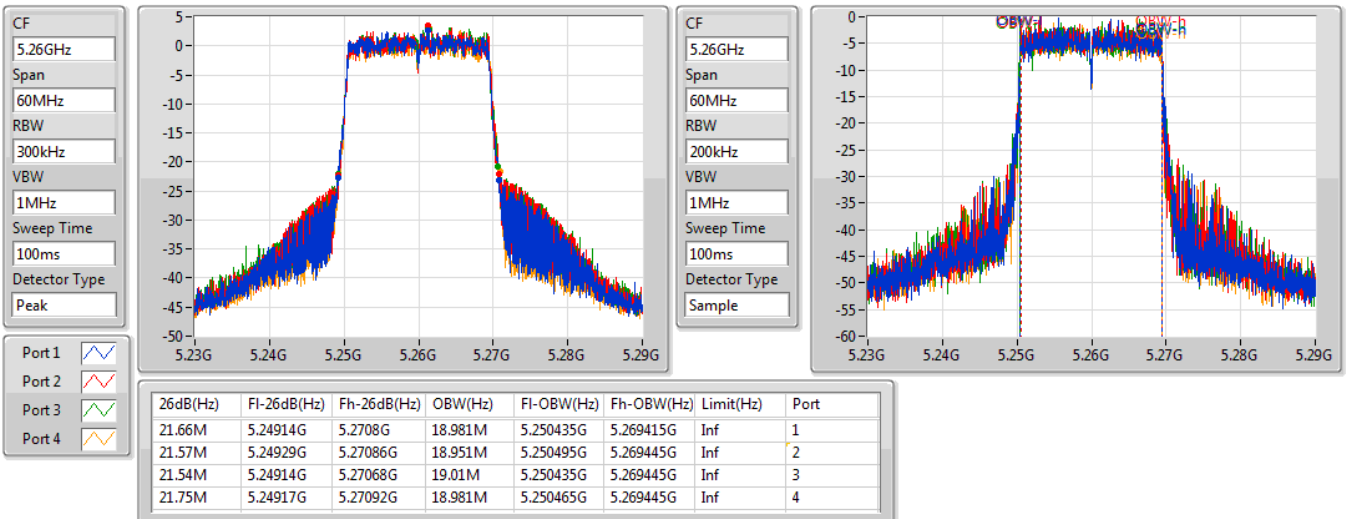


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5260MHz

07/11/2019

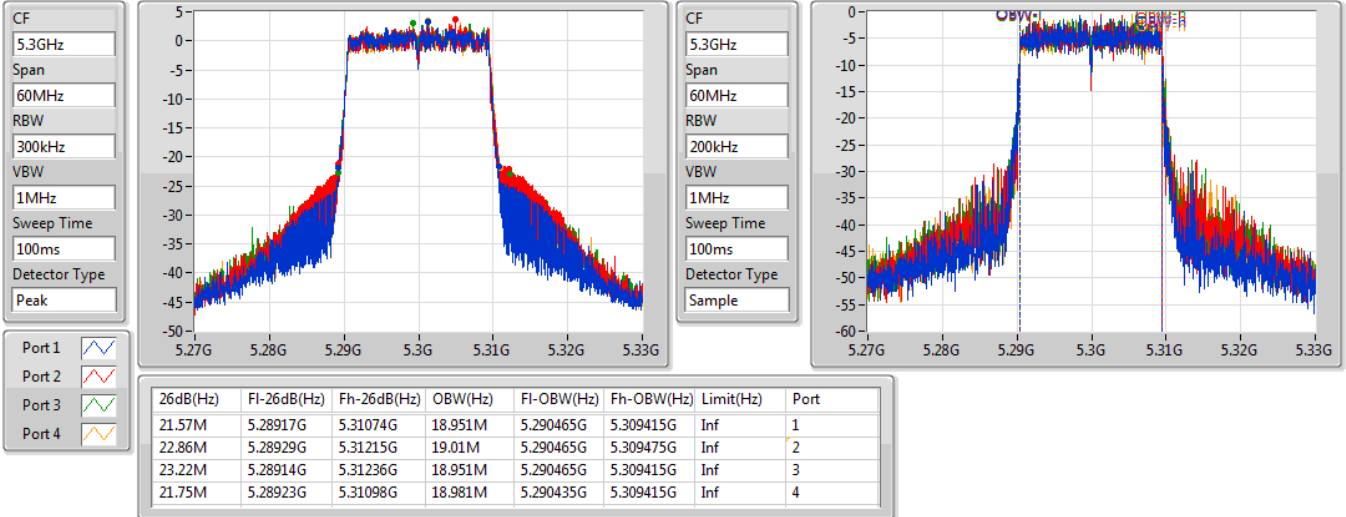


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5300MHz

07/11/2019

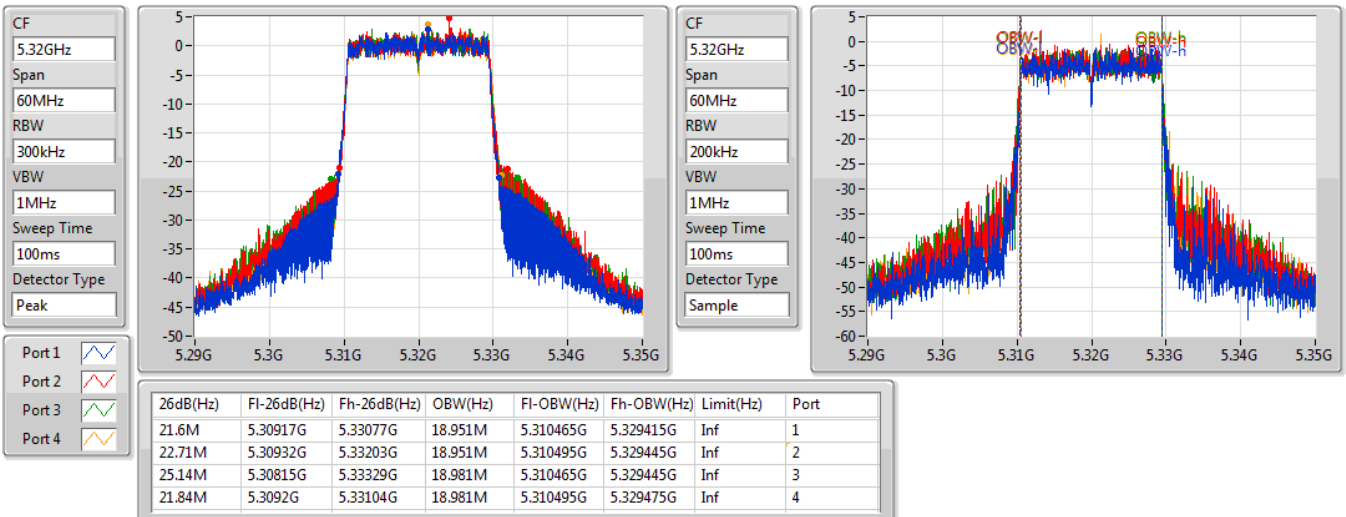


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5320MHz

07/11/2019

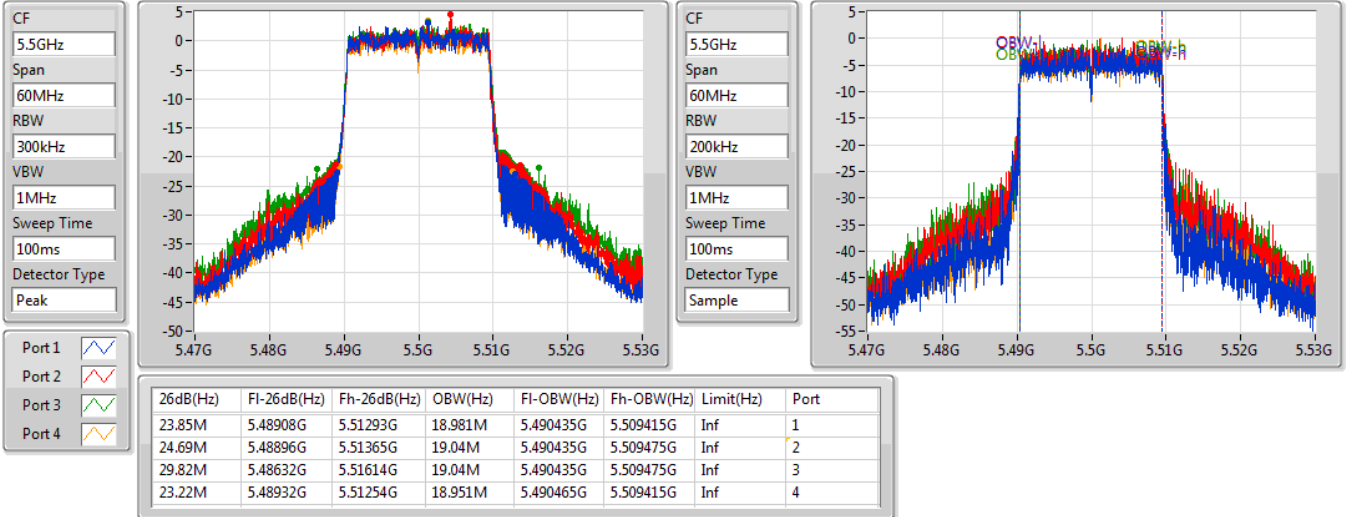


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5500MHz

07/11/2019

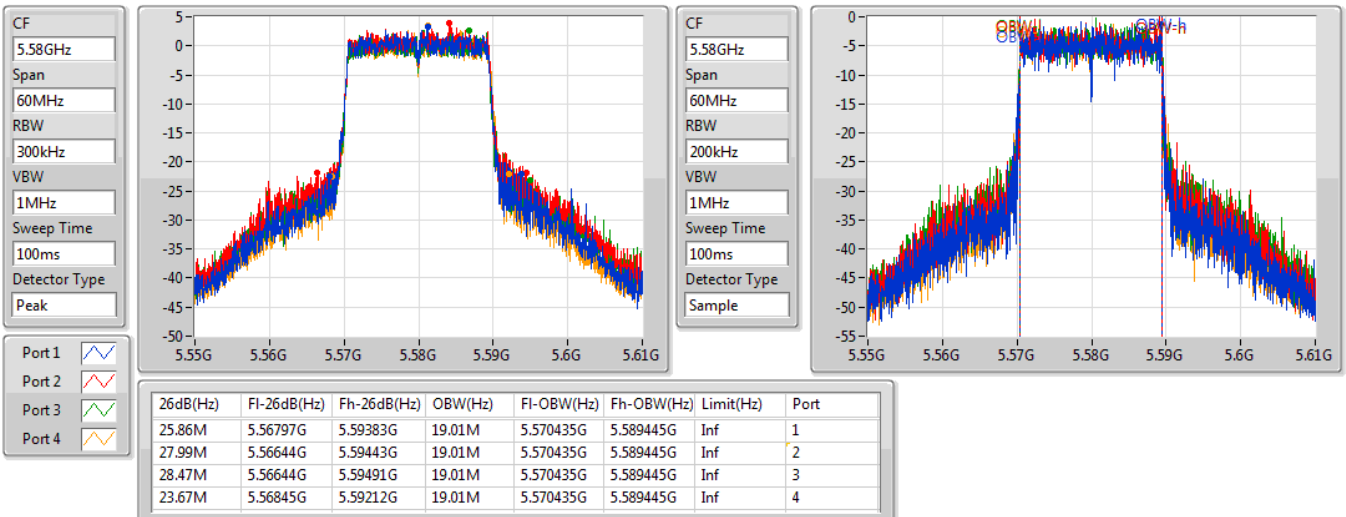


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5580MHz

07/11/2019

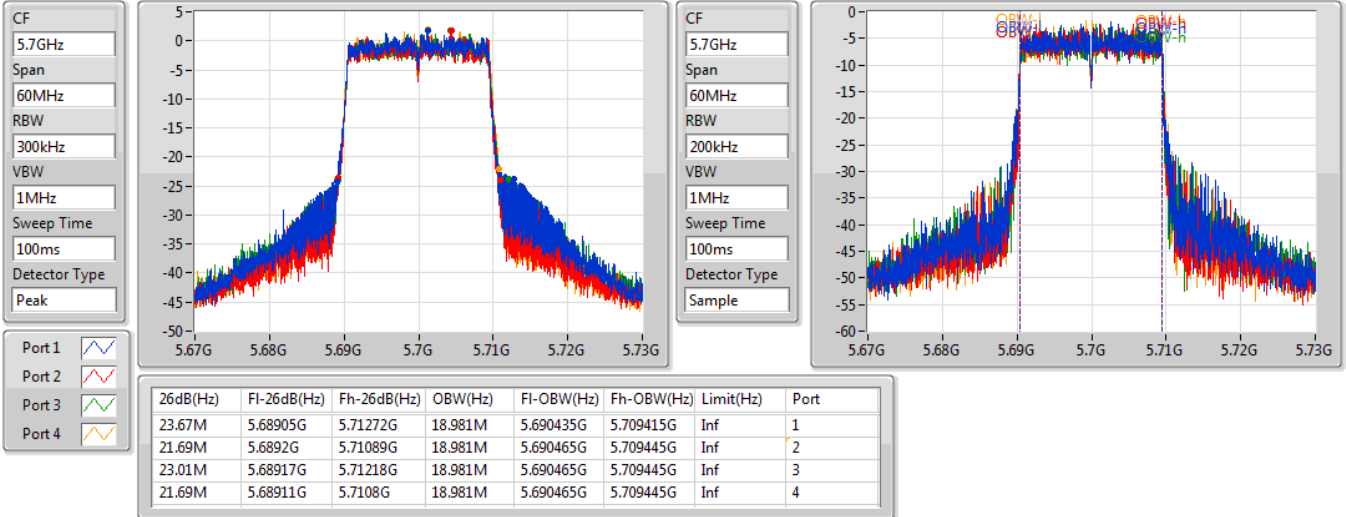


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5700MHz

07/11/2019

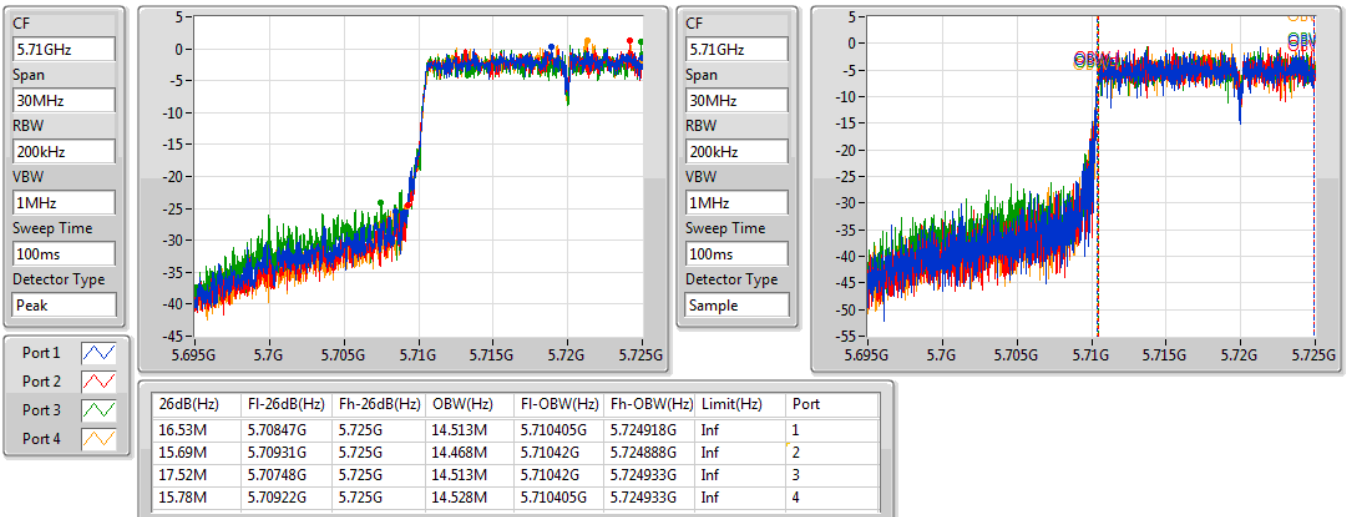


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/11/2019

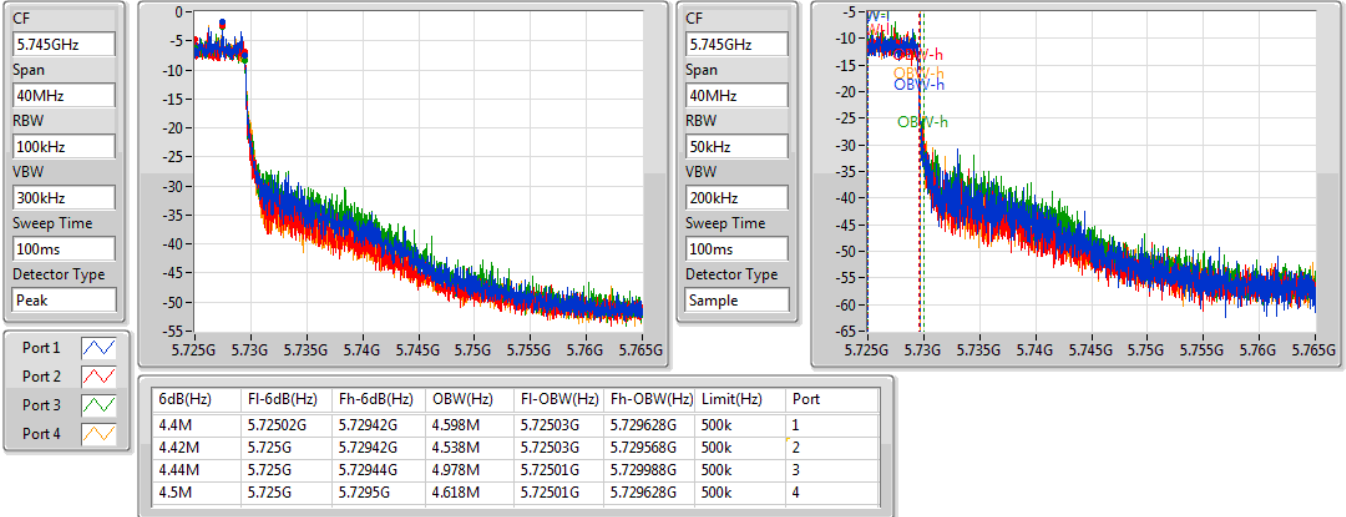


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

### 5720MHz Straddle 5.725-5.85GHz

07/11/2019

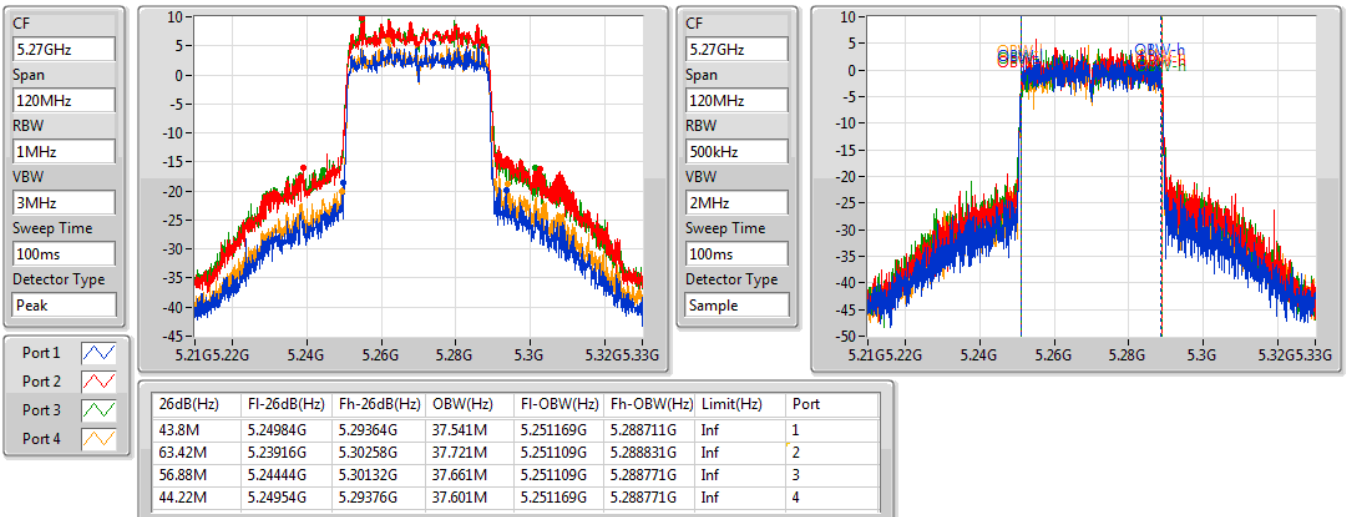


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

### 5270MHz

07/11/2019



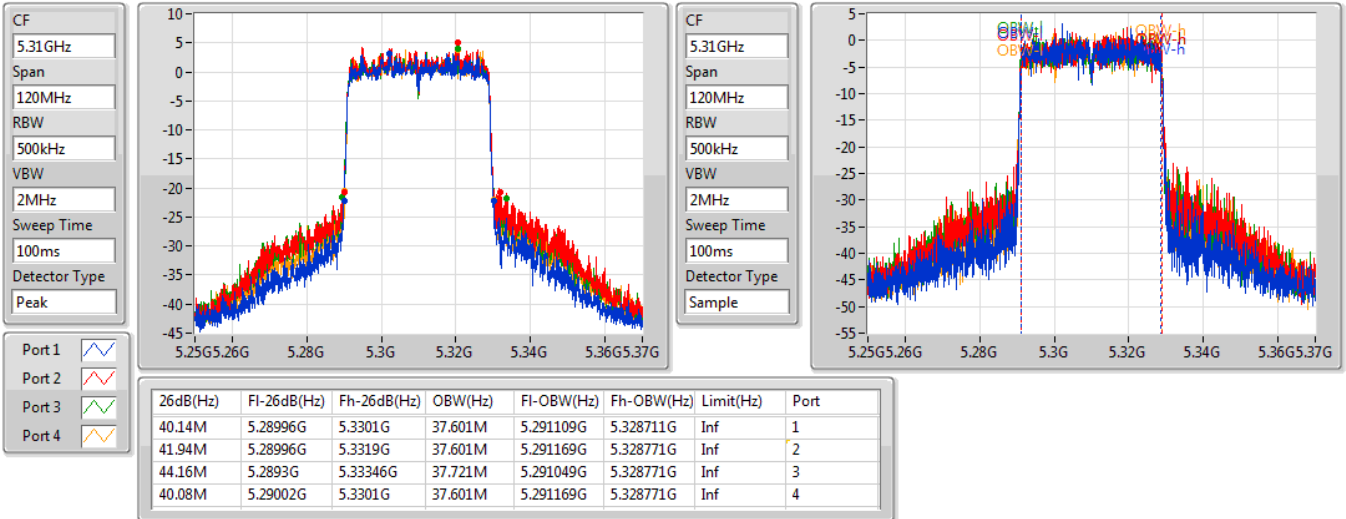


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5310MHz

07/11/2019

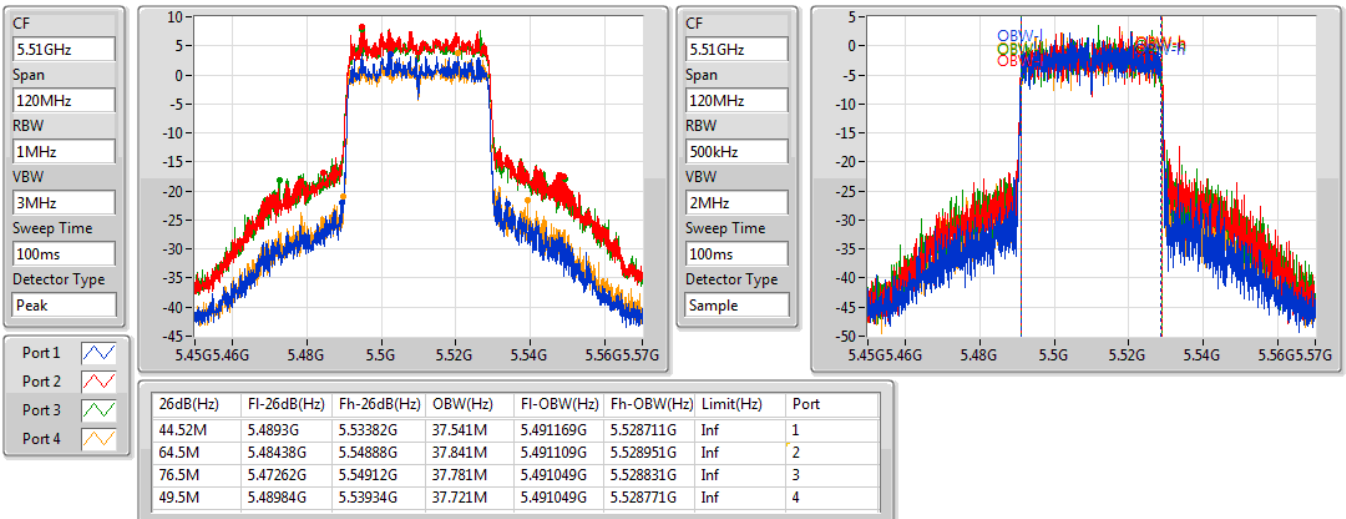


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5510MHz

07/11/2019



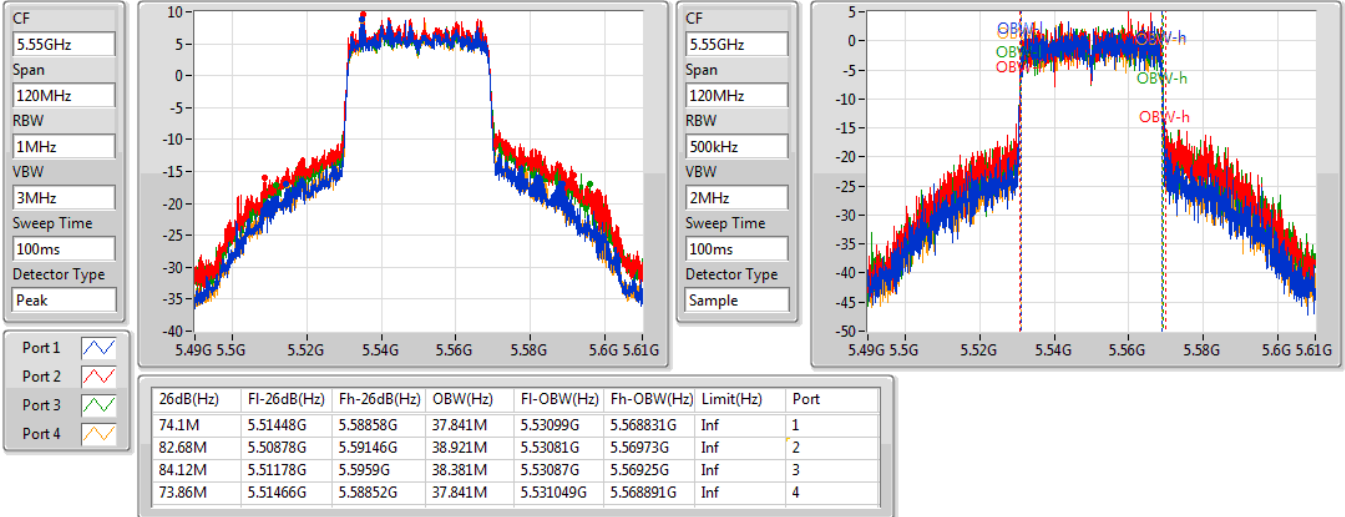


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5550MHz

07/11/2019

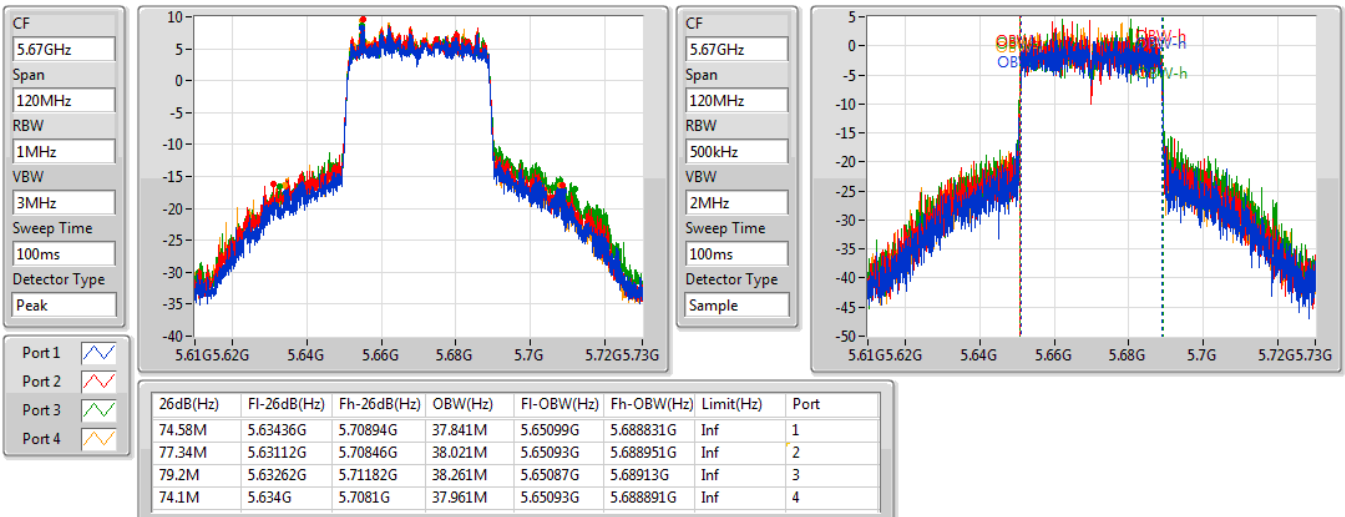


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5670MHz

07/11/2019

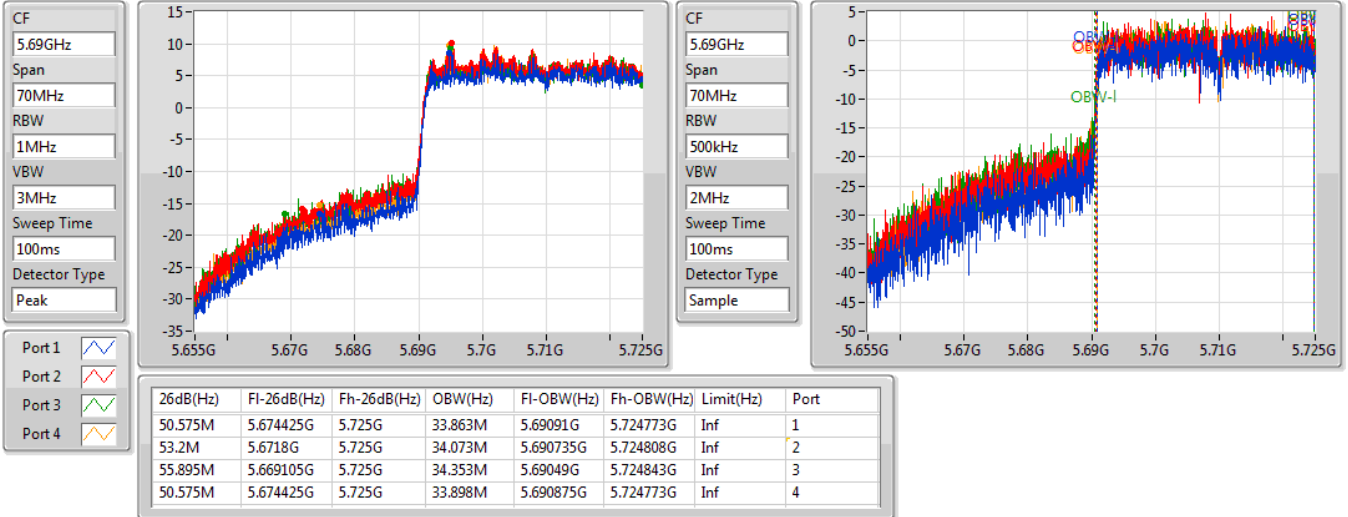


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

### 5710MHz Straddle 5.47-5.725GHz

07/11/2019

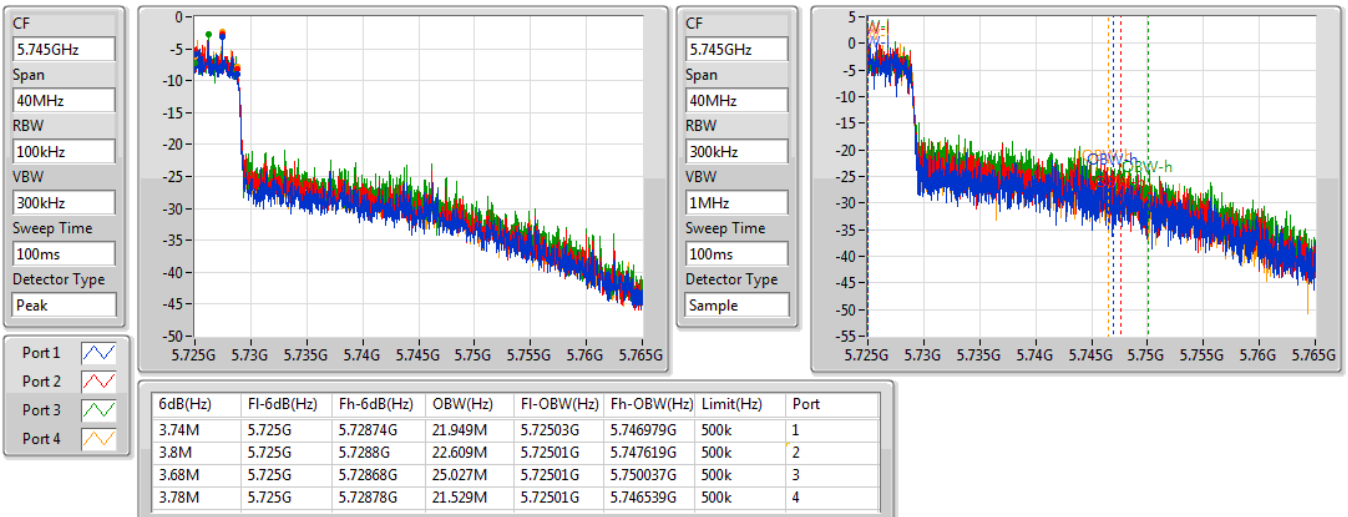


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

### 5710MHz Straddle 5.725-5.85GHz

07/11/2019

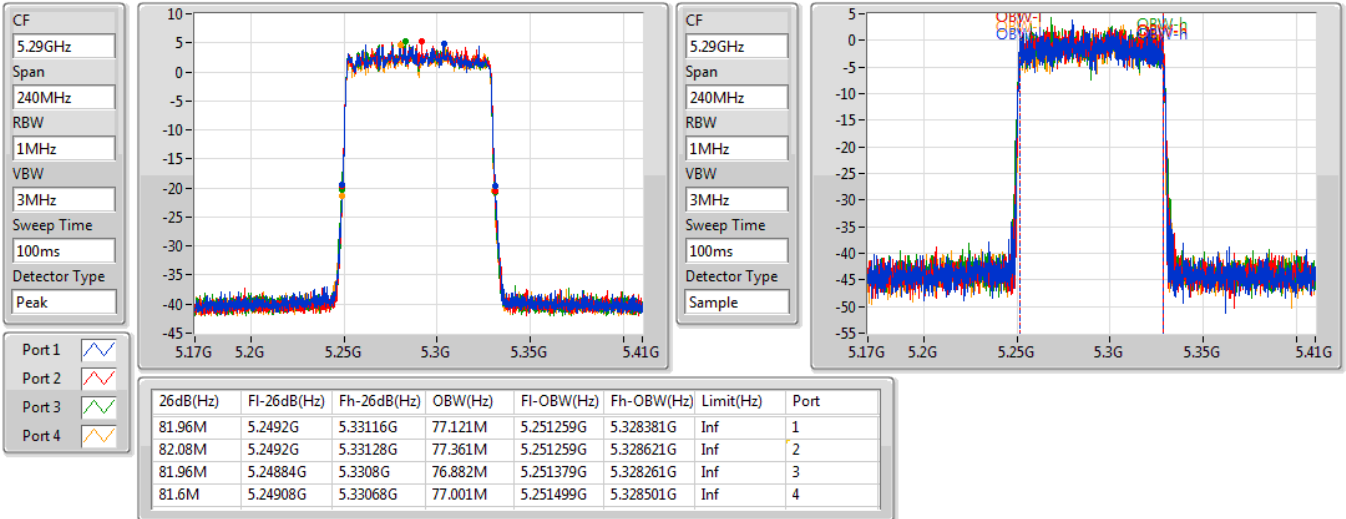


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5290MHz

08/11/2019

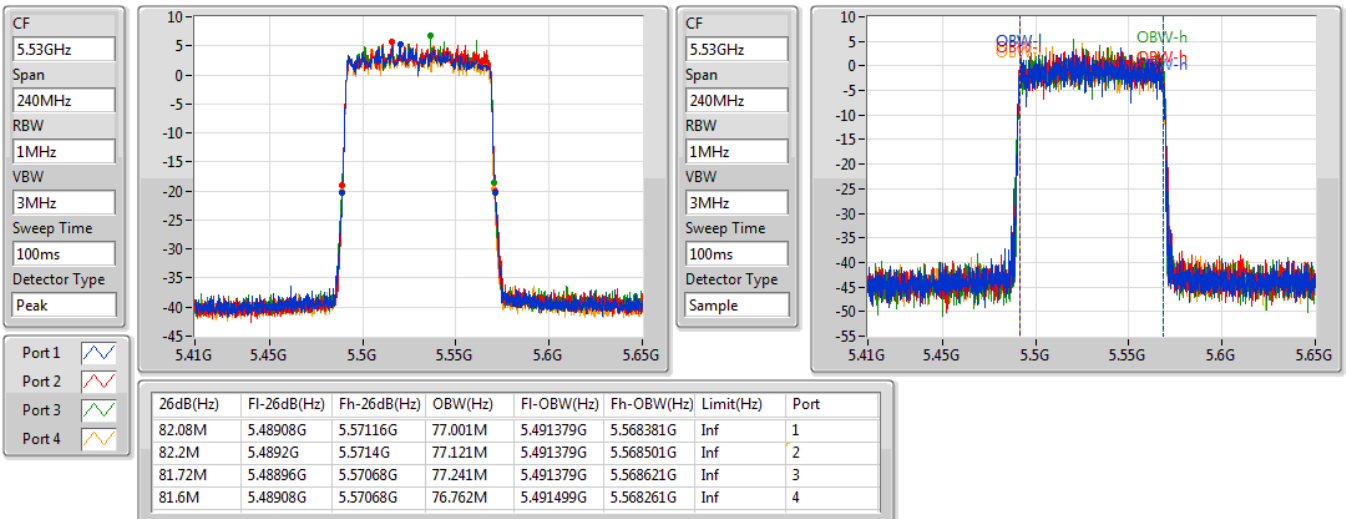


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5530MHz

08/11/2019

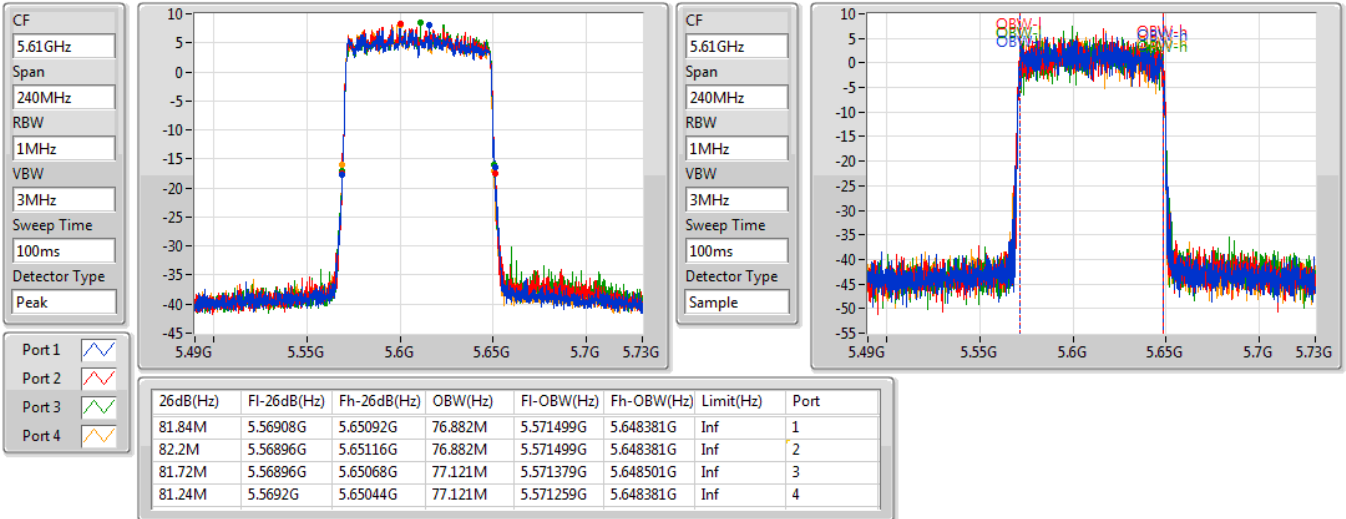


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5610MHz

08/11/2019

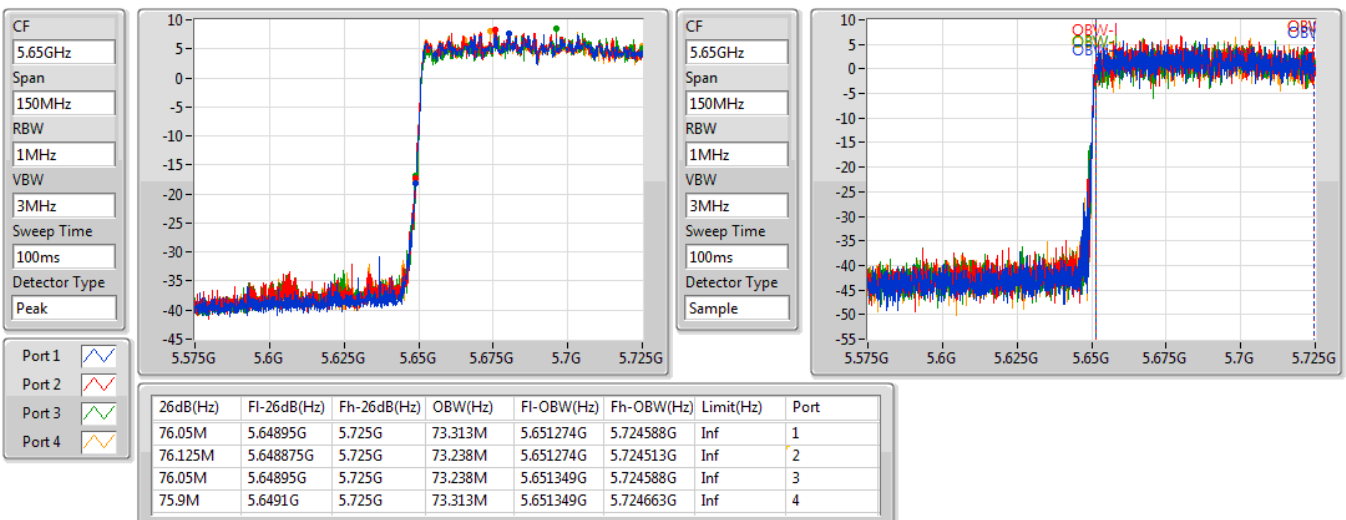


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

08/11/2019

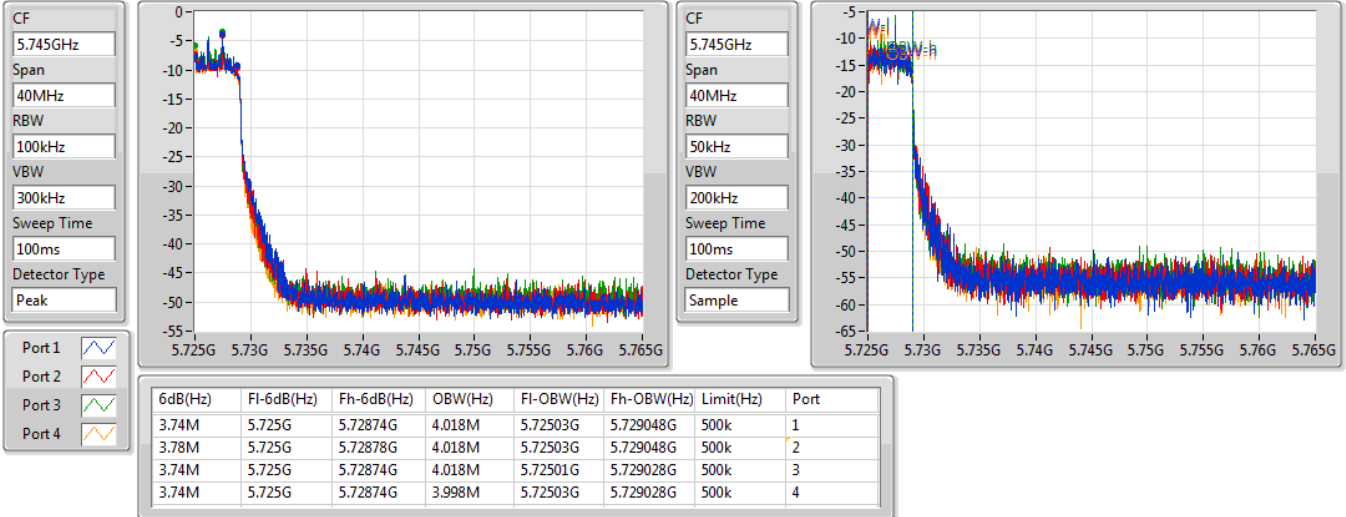


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

### 5690MHz Straddle 5.725-5.85GHz

08/11/2019

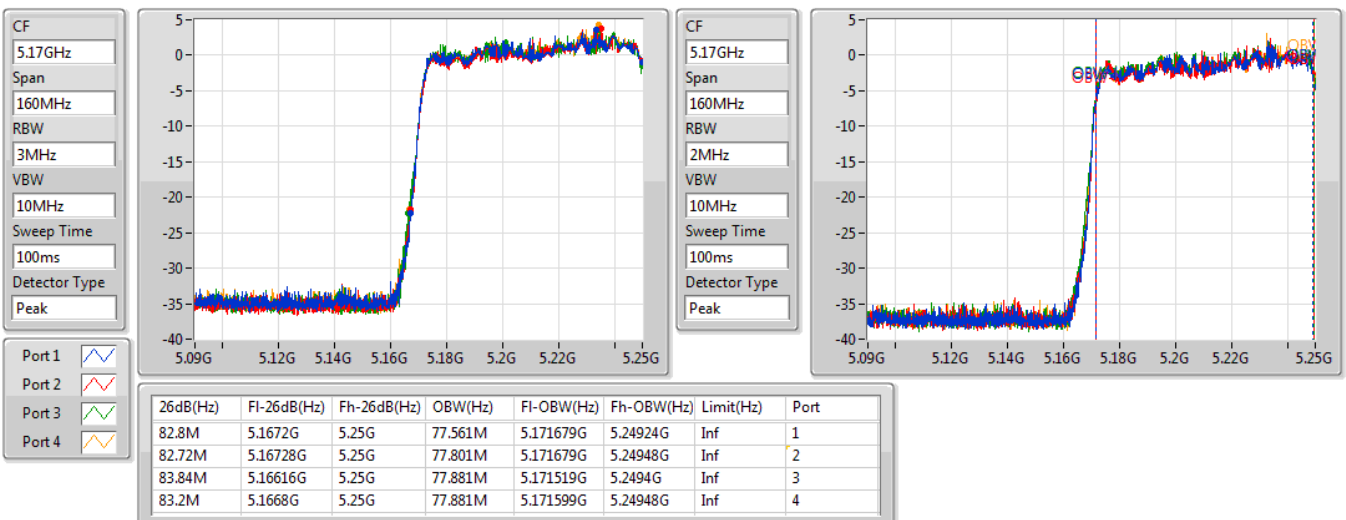


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.15-5.25GHz

04/12/2019

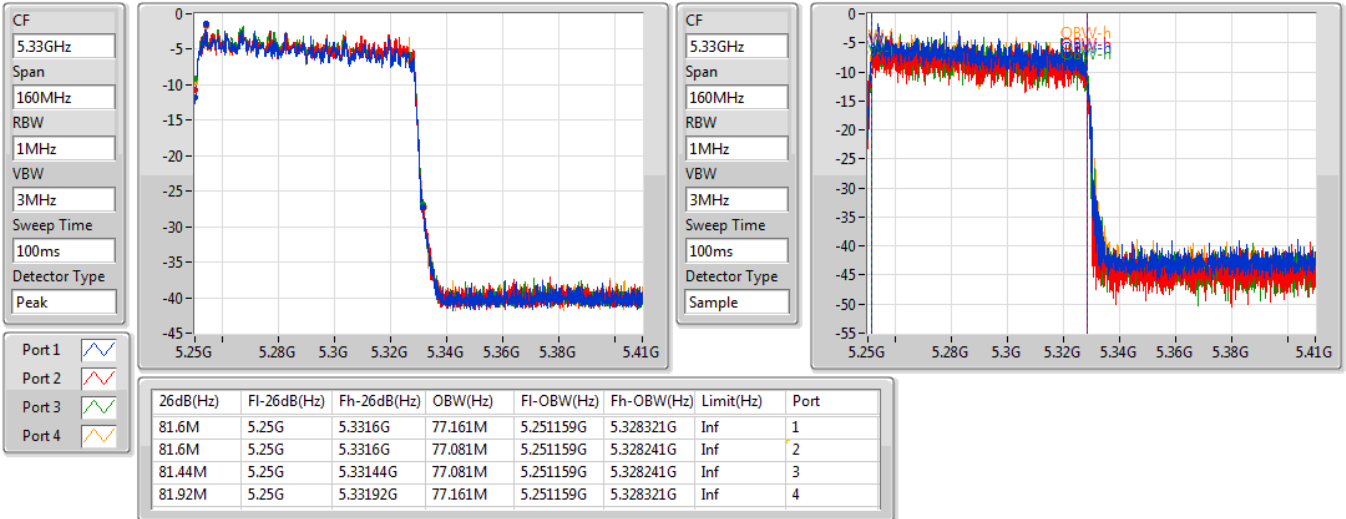


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.25-5.35GHz

08/11/2019

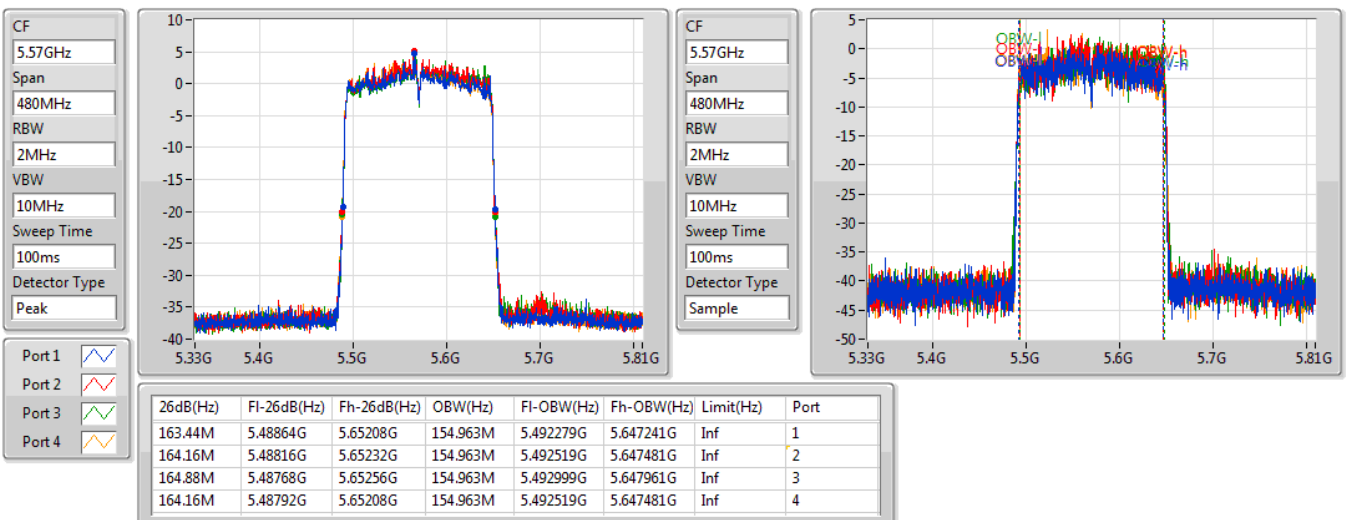


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

### 5570MHz

08/11/2019



**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                    | -                | -               | -        | -                | -               |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 83.76M           | 77.321M         | 77M3D1D  | 82.4M            | 76.202M         |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 83.28M           | 77.721M         | 77M7D1D  | 82.32M           | 77.321M         |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11ac VHT20_Nss4,(MCS0)_4TX  | 21.81M           | 17.781M         | 17M8D1D  | 21.45M           | 17.691M         |
| 802.11ac VHT40_Nss4,(MCS0)_4TX  | 40.08M           | 36.342M         | 36M3D1D  | 39.6M            | 36.162M         |
| 802.11ac VHT80_Nss4,(MCS0)_4TX  | 81.96M           | 75.922M         | 75M9D1D  | 81.36M           | 75.682M         |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 82.48M           | 75.962M         | 76M0D1D  | 81.44M           | 75.722M         |
| 802.11ax HEW20_Nss4,(MCS0)_4TX  | 21.96M           | 19.04M          | 19M0D1D  | 21.3M            | 18.891M         |
| 802.11ax HEW40_Nss4,(MCS0)_4TX  | 40.26M           | 37.601M         | 37M6D1D  | 39.78M           | 37.481M         |
| 802.11ax HEW80_Nss4,(MCS0)_4TX  | 81.6M            | 77.361M         | 77M4D1D  | 81M              | 77.001M         |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 83.28M           | 77.481M         | 77M5D1D  | 81.68M           | 76.922M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11ac VHT20_Nss4,(MCS0)_4TX  | 21.75M           | 17.751M         | 17M8D1D  | 15.72M           | 13.883M         |
| 802.11ac VHT40_Nss4,(MCS0)_4TX  | 40.2M            | 36.342M         | 36M3D1D  | 34.79M           | 33.023M         |
| 802.11ac VHT80_Nss4,(MCS0)_4TX  | 81.72M           | 75.922M         | 75M9D1D  | 75.75M           | 72.339M         |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 165.12M          | 154.243M        | 154MD1D  | 163.44M          | 153.763M        |
| 802.11ax HEW20_Nss4,(MCS0)_4TX  | 21.99M           | 19.07M          | 19M1D1D  | 15.645M          | 14.528M         |
| 802.11ax HEW40_Nss4,(MCS0)_4TX  | 40.14M           | 37.661M         | 37M7D1D  | 34.93M           | 33.653M         |
| 802.11ax HEW80_Nss4,(MCS0)_4TX  | 81.6M            | 77.121M         | 77M1D1D  | 75.525M          | 73.013M         |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 165.6M           | 155.202M        | 155MD1D  | 163.68M          | 154.963M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11ac VHT20_Nss4,(MCS0)_4TX  | 3.76M            | 4.238M          | 4M24D1D  | 3.72M            | 4.058M          |
| 802.11ac VHT40_Nss4,(MCS0)_4TX  | 3.14M            | 3.478M          | 3M48D1D  | 3.12M            | 3.418M          |
| 802.11ac VHT80_Nss4,(MCS0)_4TX  | 3.12M            | 3.698M          | 3M70D1D  | 3.08M            | 3.618M          |
| 802.11ax HEW20_Nss4,(MCS0)_4TX  | 4.46M            | 4.498M          | 4M50D1D  | 4.32M            | 4.498M          |
| 802.11ax HEW40_Nss4,(MCS0)_4TX  | 3.92M            | 3.998M          | 4M00D1D  | 3.7M             | 3.998M          |
| 802.11ax HEW80_Nss4,(MCS0)_4TX  | 3.8M             | 4.058M          | 4M06D1D  | 3.32M            | 4.018M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11ac VHT20_Nss4,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.66M              | 17.751M            | 21.57M              | 17.751M            | 21.78M              | 17.751M            | 21.45M              | 17.751M            |
| 5300MHz                         | Pass   | Inf           | 21.72M              | 17.721M            | 21.57M              | 17.691M            | 21.69M              | 17.721M            | 21.48M              | 17.781M            |
| 5320MHz                         | Pass   | Inf           | 21.54M              | 17.721M            | 21.6M               | 17.751M            | 21.81M              | 17.781M            | 21.48M              | 17.691M            |
| 5500MHz                         | Pass   | Inf           | 21.66M              | 17.721M            | 21.57M              | 17.721M            | 21.75M              | 17.751M            | 21.48M              | 17.691M            |
| 5580MHz                         | Pass   | Inf           | 21.75M              | 17.751M            | 21.54M              | 17.721M            | 21.69M              | 17.751M            | 21.6M               | 17.691M            |
| 5700MHz                         | Pass   | Inf           | 21.72M              | 17.751M            | 21.63M              | 17.721M            | 21.75M              | 17.721M            | 21.33M              | 17.721M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.72M              | 13.943M            | 15.78M              | 13.883M            | 15.78M              | 13.883M            | 15.795M             | 13.898M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.72M               | 4.118M             | 3.76M               | 4.238M             | 3.74M               | 4.198M             | 3.74M               | 4.058M             |
| 802.11ac VHT40_Nss4,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 40.08M              | 36.282M            | 39.84M              | 36.282M            | 39.6M               | 36.162M            | 39.9M               | 36.342M            |
| 5310MHz                         | Pass   | Inf           | 40.08M              | 36.162M            | 39.78M              | 36.222M            | 39.78M              | 36.282M            | 39.84M              | 36.222M            |
| 5510MHz                         | Pass   | Inf           | 40.2M               | 36.222M            | 39.72M              | 36.342M            | 39.78M              | 36.222M            | 39.96M              | 36.282M            |
| 5550MHz                         | Pass   | Inf           | 40.2M               | 36.222M            | 39.9M               | 36.342M            | 39.78M              | 36.282M            | 40.08M              | 36.282M            |
| 5670MHz                         | Pass   | Inf           | 40.2M               | 36.222M            | 39.66M              | 36.222M            | 39.78M              | 36.222M            | 39.96M              | 36.222M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 35.14M              | 33.058M            | 34.965M             | 33.023M            | 34.79M              | 33.023M            | 35.07M              | 33.023M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.12M               | 3.418M             | 3.14M               | 3.458M             | 3.12M               | 3.478M             | 3.12M               | 3.478M             |
| 802.11ac VHT80_Nss4,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 81.96M              | 75.802M            | 81.6M               | 75.922M            | 81.36M              | 75.682M            | 81.6M               | 75.922M            |
| 5530MHz                         | Pass   | Inf           | 81.72M              | 75.802M            | 81.6M               | 75.922M            | 81.24M              | 75.922M            | 81.6M               | 75.922M            |
| 5610MHz                         | Pass   | Inf           | 81.48M              | 75.562M            | 81.6M               | 75.802M            | 80.76M              | 75.802M            | 81.24M              | 75.562M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 75.9M               | 72.564M            | 75.825M             | 72.414M            | 75.825M             | 72.339M            | 75.75M              | 72.564M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.1M                | 3.678M             | 3.12M               | 3.698M             | 3.08M               | 3.618M             | 3.1M                | 3.678M             |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 83.76M              | 77.321M            | 83.6M               | 76.922M            | 82.4M               | 76.202M            | 82.88M              | 76.922M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 82.16M              | 75.802M            | 81.92M              | 75.962M            | 81.44M              | 75.802M            | 82.48M              | 75.722M            |
| 5570MHz                         | Pass   | Inf           | 165.12M             | 154.003M           | 163.68M             | 153.763M           | 163.44M             | 154.003M           | 163.92M             | 154.243M           |
| 802.11ax HEW20_Nss4,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.42M              | 18.981M            | 21.96M              | 19.01M             | 21.39M              | 19.04M             | 21.78M              | 18.981M            |
| 5300MHz                         | Pass   | Inf           | 21.3M               | 18.981M            | 21.81M              | 18.981M            | 21.36M              | 19.04M             | 21.81M              | 19.01M             |
| 5320MHz                         | Pass   | Inf           | 21.42M              | 18.891M            | 21.93M              | 19.01M             | 21.3M               | 19.04M             | 21.87M              | 18.951M            |
| 5500MHz                         | Pass   | Inf           | 21.45M              | 18.951M            | 21.87M              | 18.981M            | 21.39M              | 19.01M             | 21.84M              | 18.981M            |
| 5580MHz                         | Pass   | Inf           | 21.42M              | 18.951M            | 21.93M              | 19.04M             | 21.24M              | 19.01M             | 21.87M              | 19.01M             |
| 5700MHz                         | Pass   | Inf           | 21.45M              | 18.951M            | 21.99M              | 18.981M            | 21.48M              | 19.07M             | 21.84M              | 18.981M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.705M             | 14.528M            | 15.87M              | 14.543M            | 15.645M             | 14.573M            | 15.825M             | 14.558M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 4.32M               | 4.498M             | 4.42M               | 4.498M             | 4.46M               | 4.498M             | 4.46M               | 4.498M             |
| 802.11ax HEW40_Nss4,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 40.2M               | 37.541M            | 40.26M              | 37.481M            | 39.9M               | 37.541M            | 39.96M              | 37.601M            |
| 5310MHz                         | Pass   | Inf           | 40.2M               | 37.541M            | 40.14M              | 37.481M            | 39.78M              | 37.541M            | 40.08M              | 37.601M            |
| 5510MHz                         | Pass   | Inf           | 40.14M              | 37.601M            | 40.08M              | 37.481M            | 39.72M              | 37.481M            | 39.96M              | 37.541M            |
| 5550MHz                         | Pass   | Inf           | 40.08M              | 37.541M            | 40.08M              | 37.541M            | 39.84M              | 37.421M            | 40.08M              | 37.541M            |
| 5670MHz                         | Pass   | Inf           | 40.08M              | 37.541M            | 40.08M              | 37.601M            | 39.72M              | 37.541M            | 39.9M               | 37.661M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 35.21M              | 33.688M            | 35.035M             | 33.653M            | 34.93M              | 33.653M            | 35.035M             | 33.688M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.92M               | 3.998M             | 3.9M                | 3.998M             | 3.84M               | 3.998M             | 3.7M                | 3.998M             |





| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11ax HEW80_Nss4,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 81.36M              | 77.001M            | 81M                 | 77.001M            | 81M                 | 77.361M            | 81.6M               | 77.001M            |
| 5530MHz                         | Pass   | Inf           | 81.36M              | 77.001M            | 80.88M              | 76.882M            | 81.12M              | 77.121M            | 81.6M               | 77.001M            |
| 5610MHz                         | Pass   | Inf           | 81.36M              | 77.121M            | 80.76M              | 77.001M            | 81.12M              | 77.121M            | 81.36M              | 76.882M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 75.975M             | 73.088M            | 75.6M               | 73.163M            | 75.525M             | 73.388M            | 75.675M             | 73.013M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.32M               | 4.058M             | 3.78M               | 4.038M             | 3.8M                | 4.058M             | 3.8M                | 4.018M             |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 82.8M               | 77.721M            | 82.32M              | 77.561M            | 82.72M              | 77.481M            | 83.28M              | 77.321M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 83.28M              | 77.081M            | 82.32M              | 77.481M            | 81.68M              | 76.922M            | 81.76M              | 77.161M            |
| 5570MHz                         | Pass   | Inf           | 165.6M              | 155.202M           | 163.68M             | 154.963M           | 164.88M             | 155.202M           | 164.16M             | 154.963M           |

**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

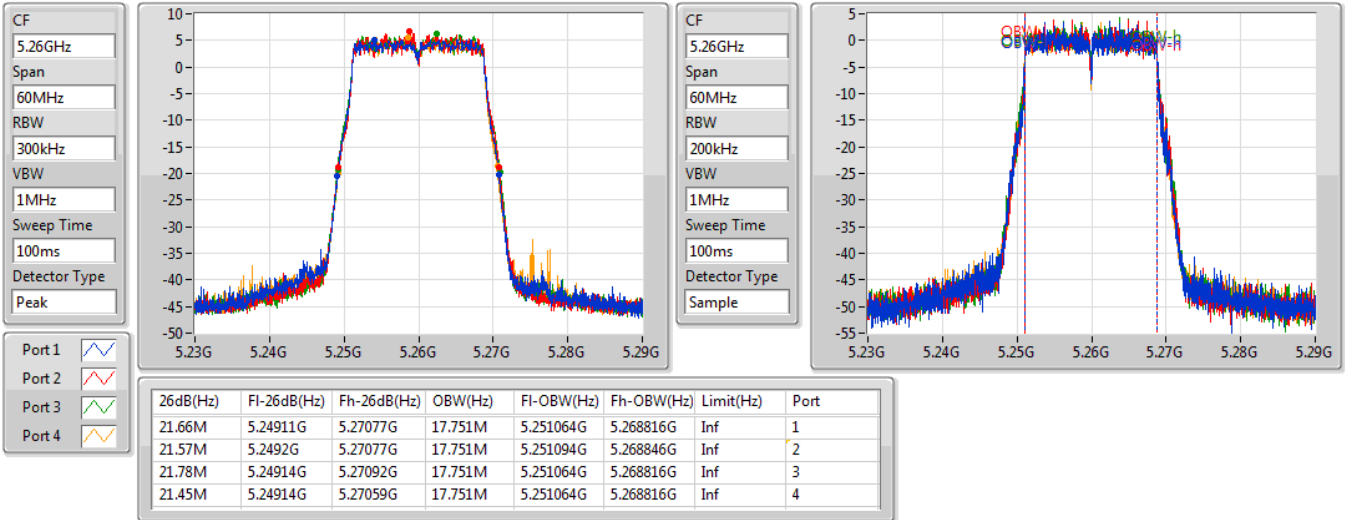
**Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

5260MHz

05/11/2019

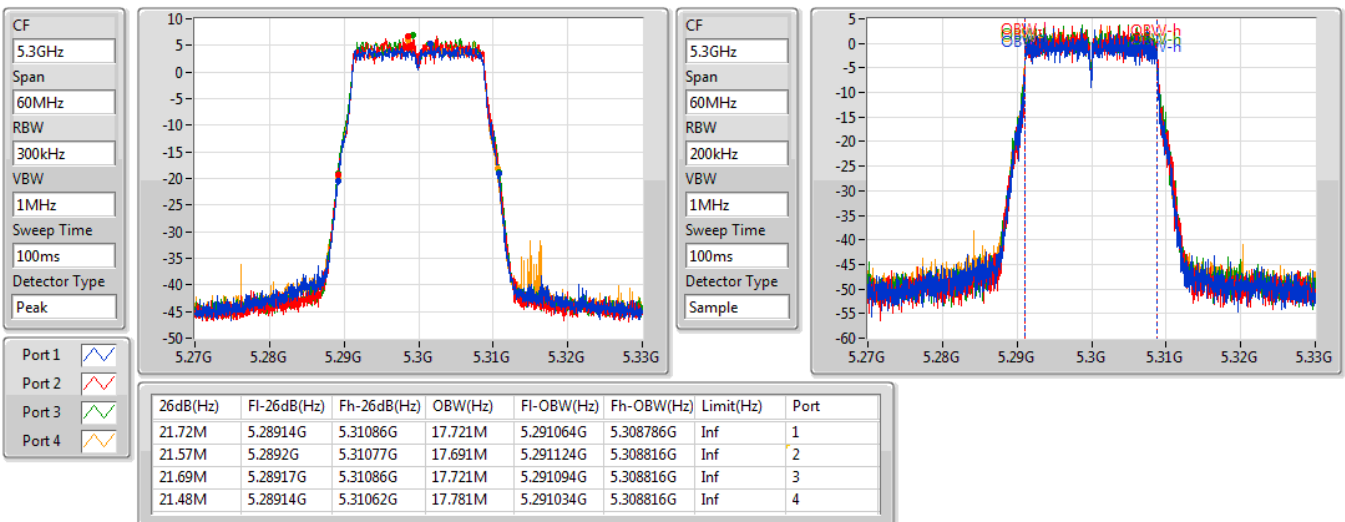


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

5300MHz

05/11/2019

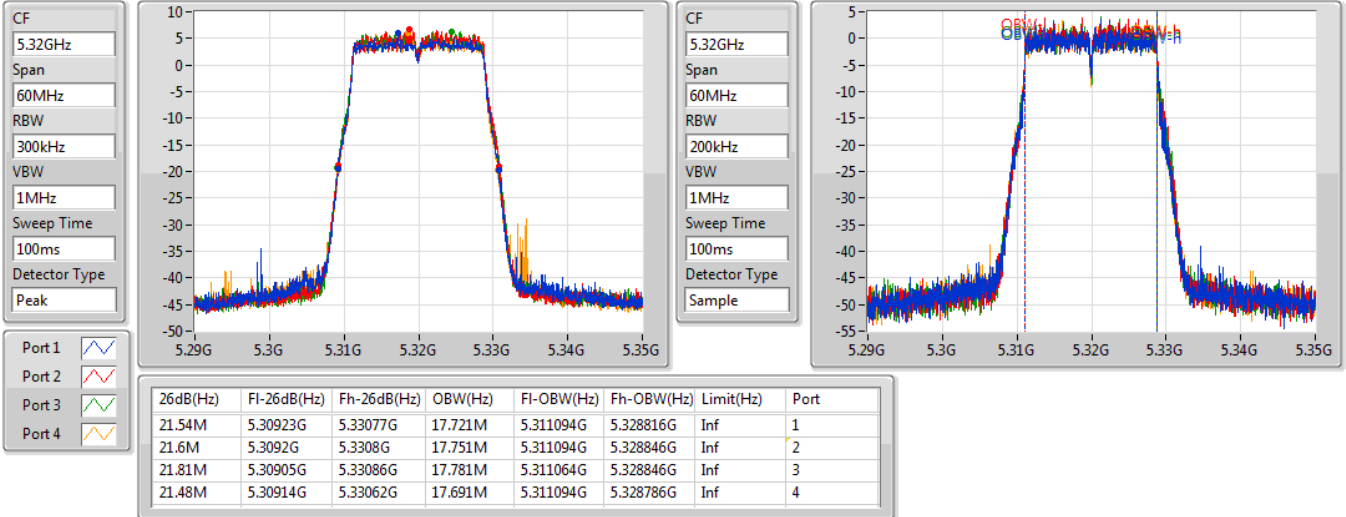


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

5320MHz

05/11/2019

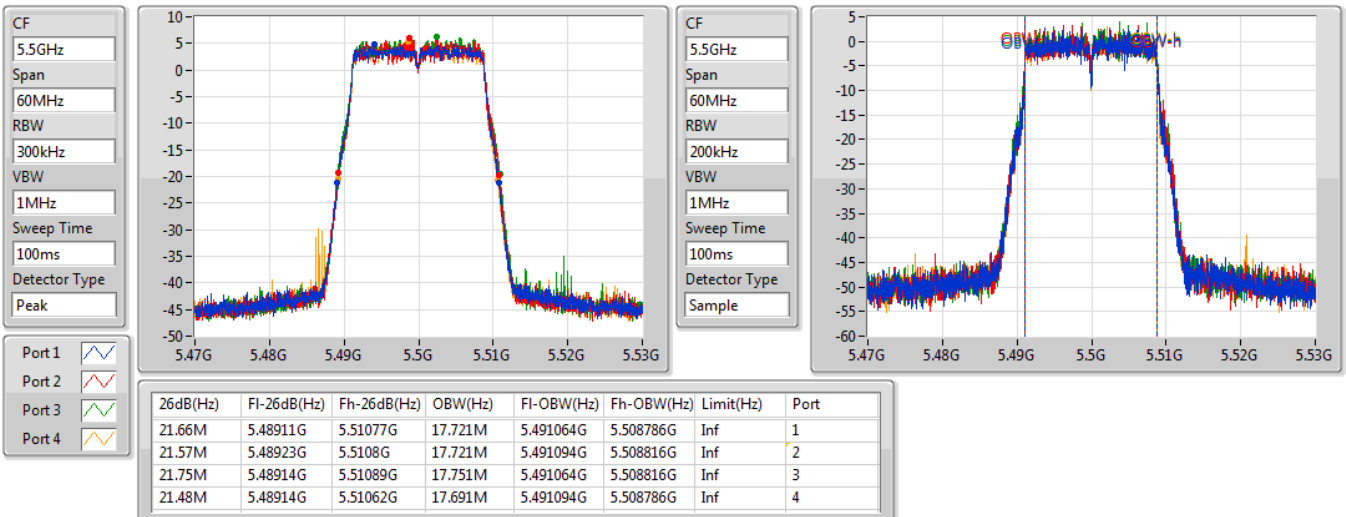


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

5500MHz

05/11/2019

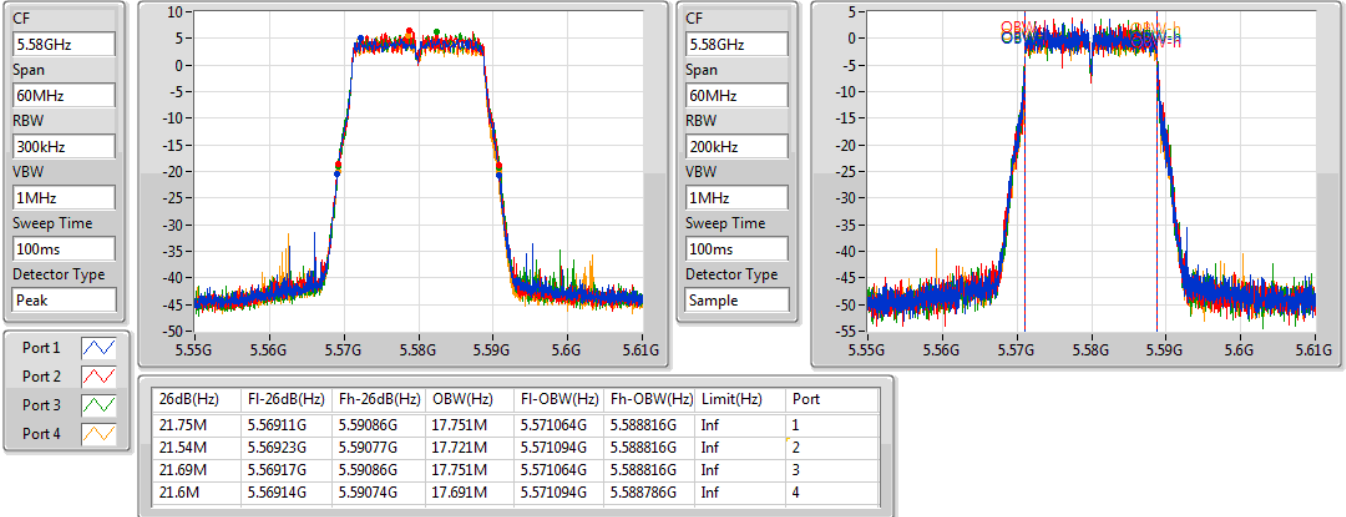


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

5580MHz

05/11/2019

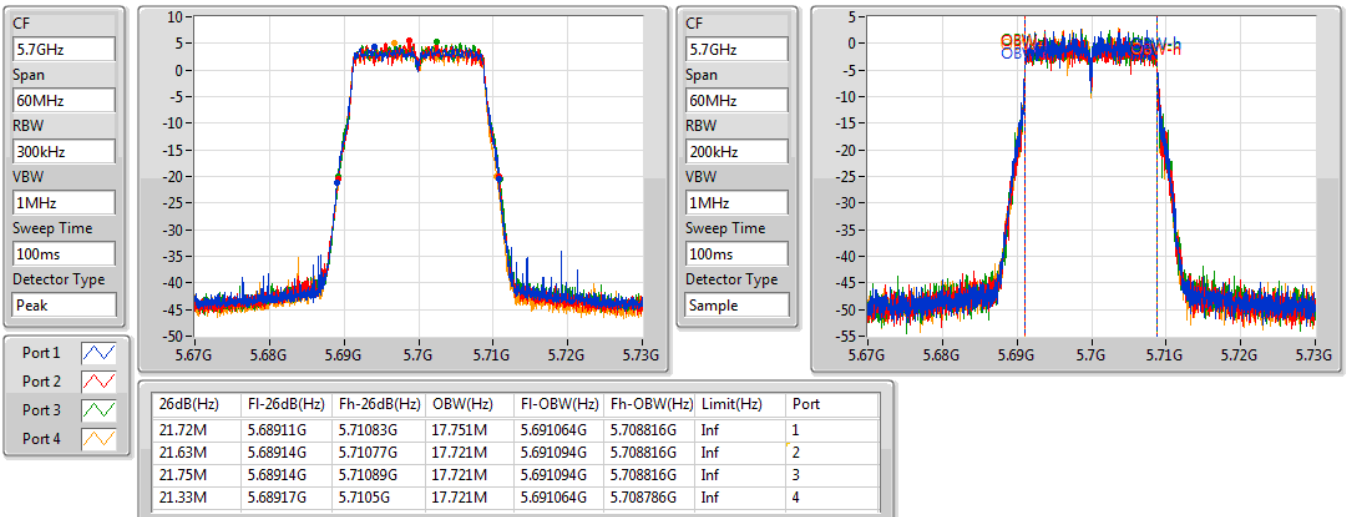


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

5700MHz

05/11/2019

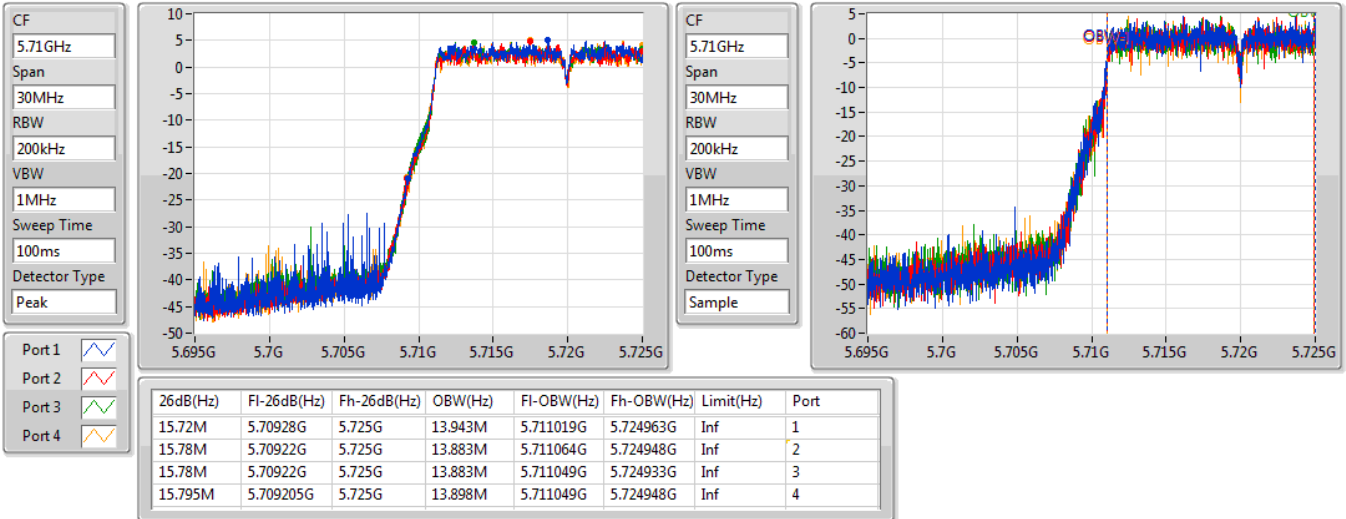


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

### 5720MHz Straddle 5.47-5.725GHz

05/11/2019

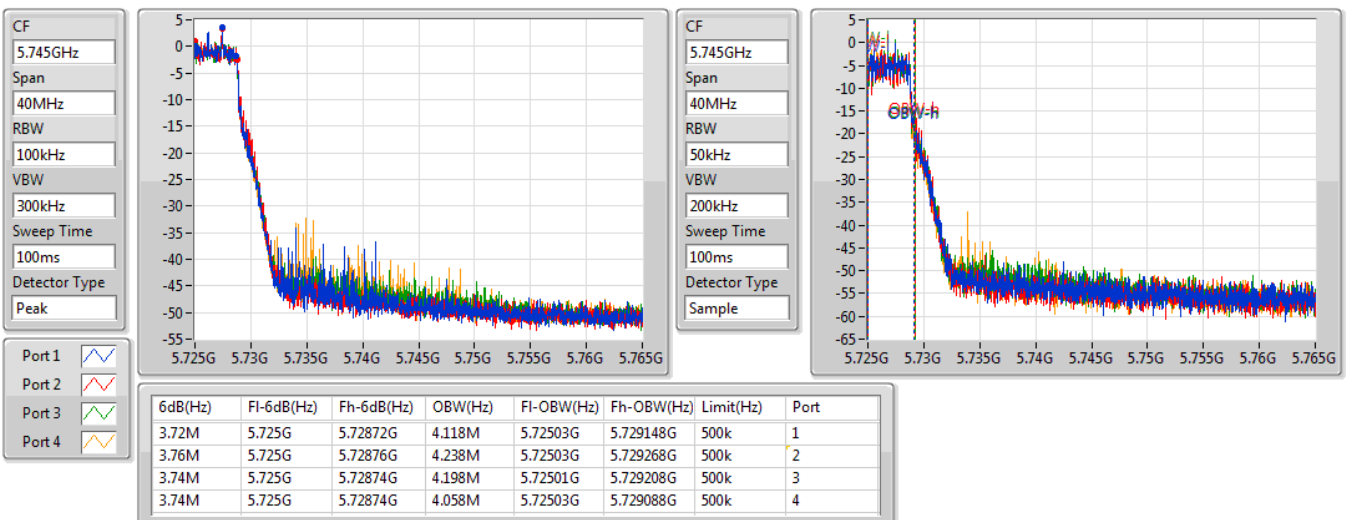


## 802.11ac VHT20\_Nss4,(MCS0)\_4TX

EBW

### 5720MHz Straddle 5.725-5.85GHz

05/11/2019

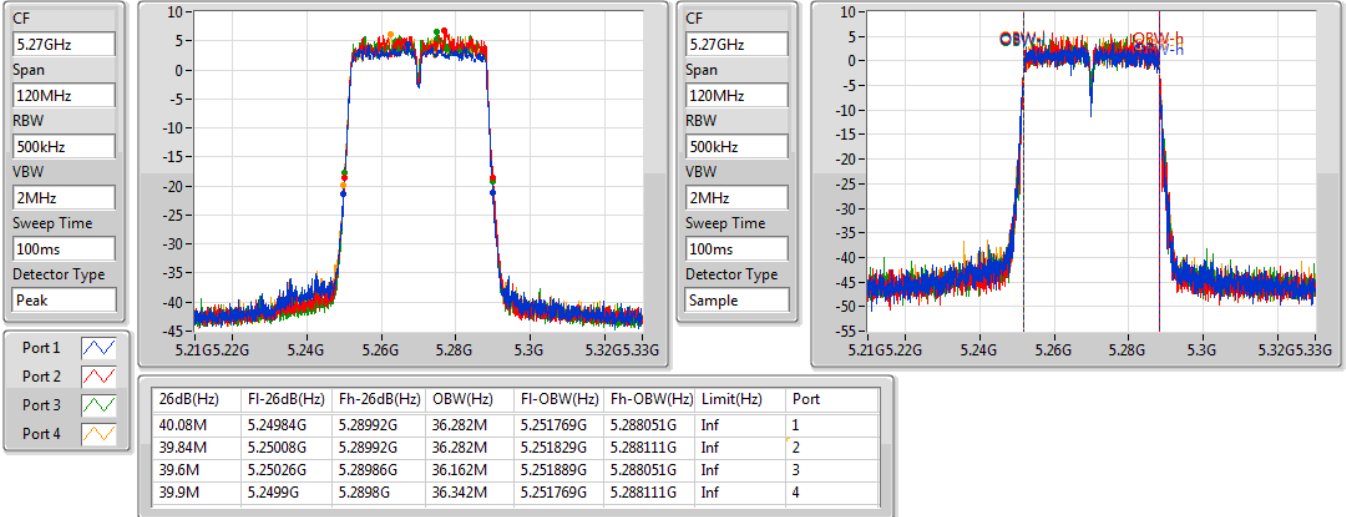


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

5270MHz

05/11/2019

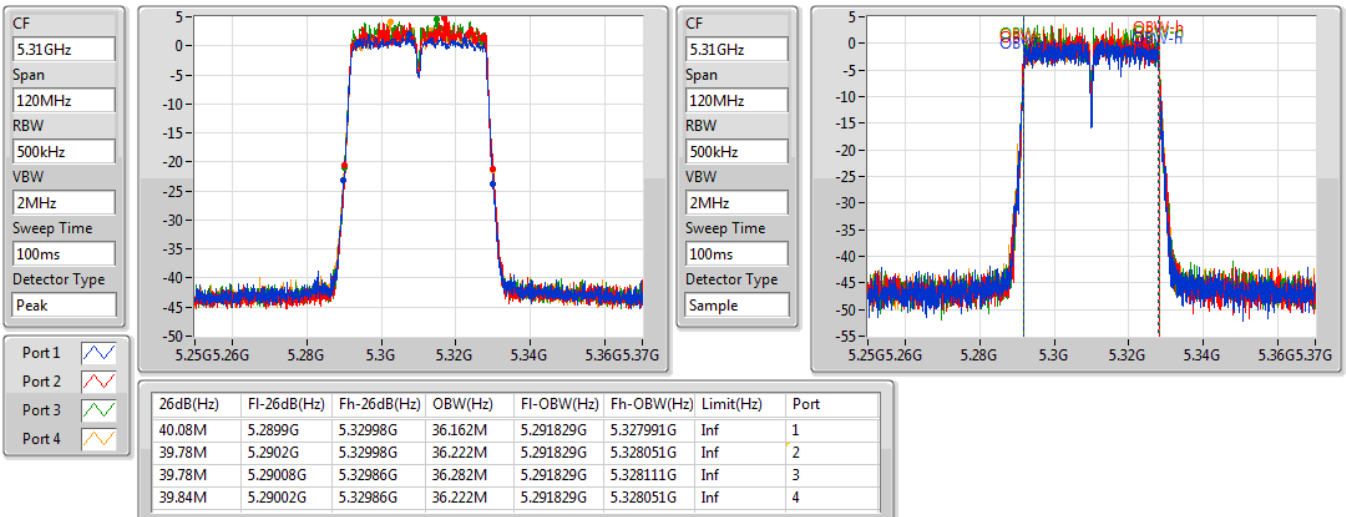


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

5310MHz

05/11/2019

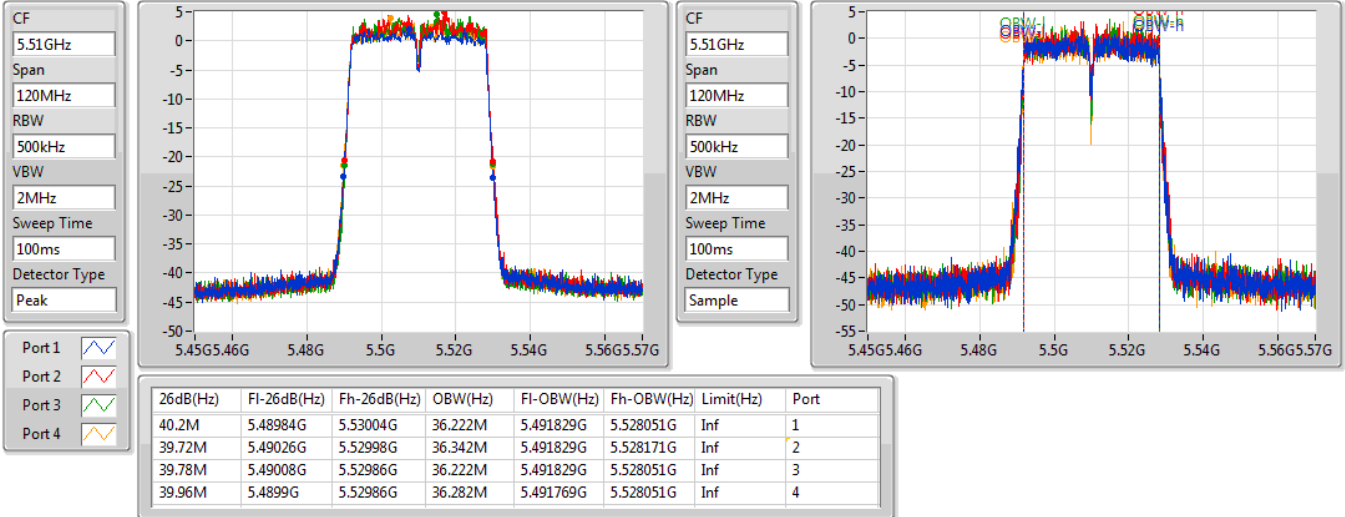


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

5510MHz

05/11/2019

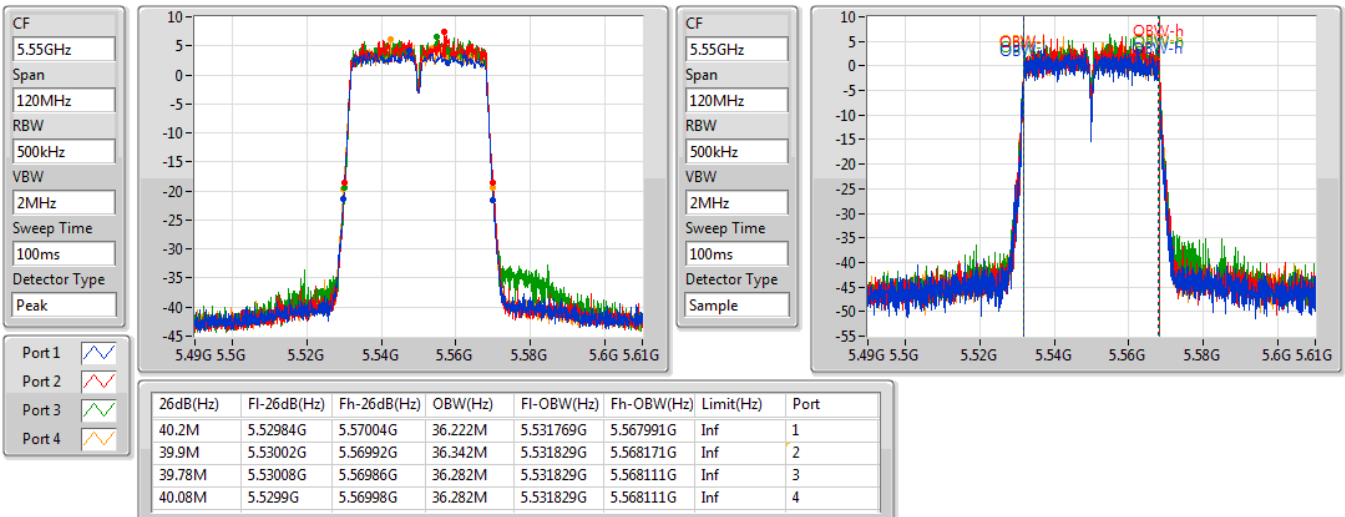


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

5550MHz

05/11/2019

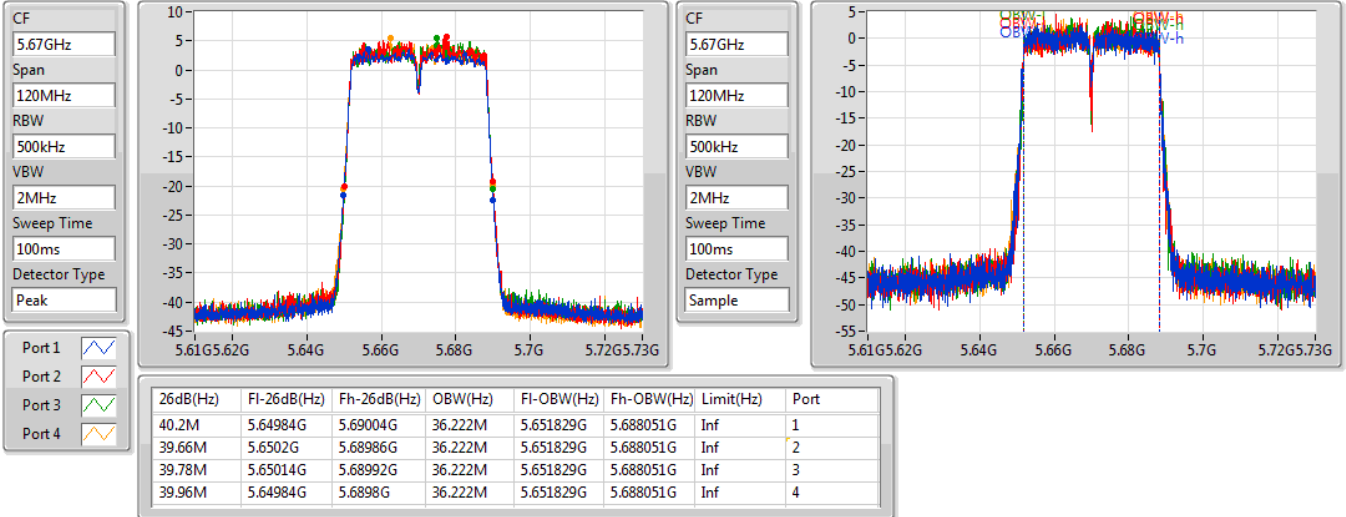


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

5670MHz

05/11/2019

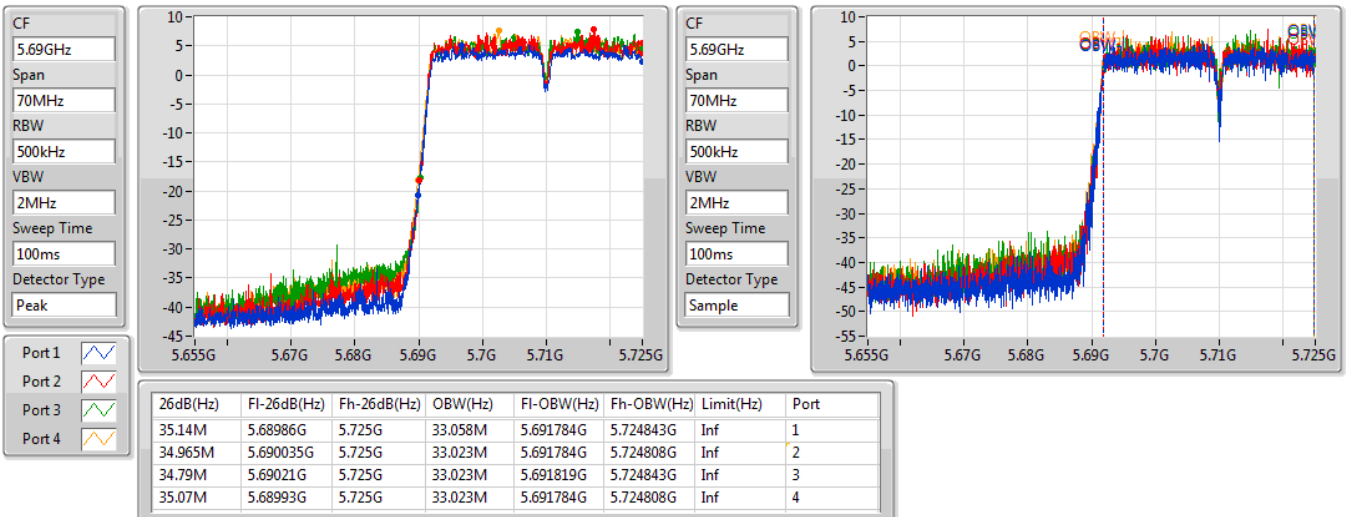


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/11/2019



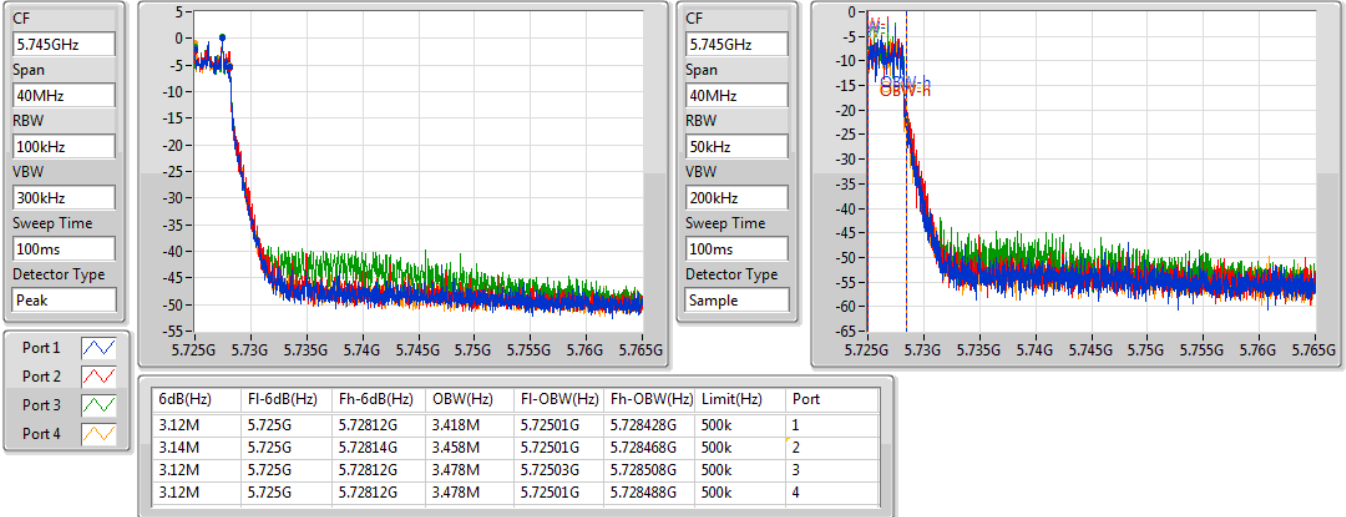


## 802.11ac VHT40\_Nss4,(MCS0)\_4TX

EBW

### 5710MHz Straddle 5.725-5.85GHz

05/11/2019

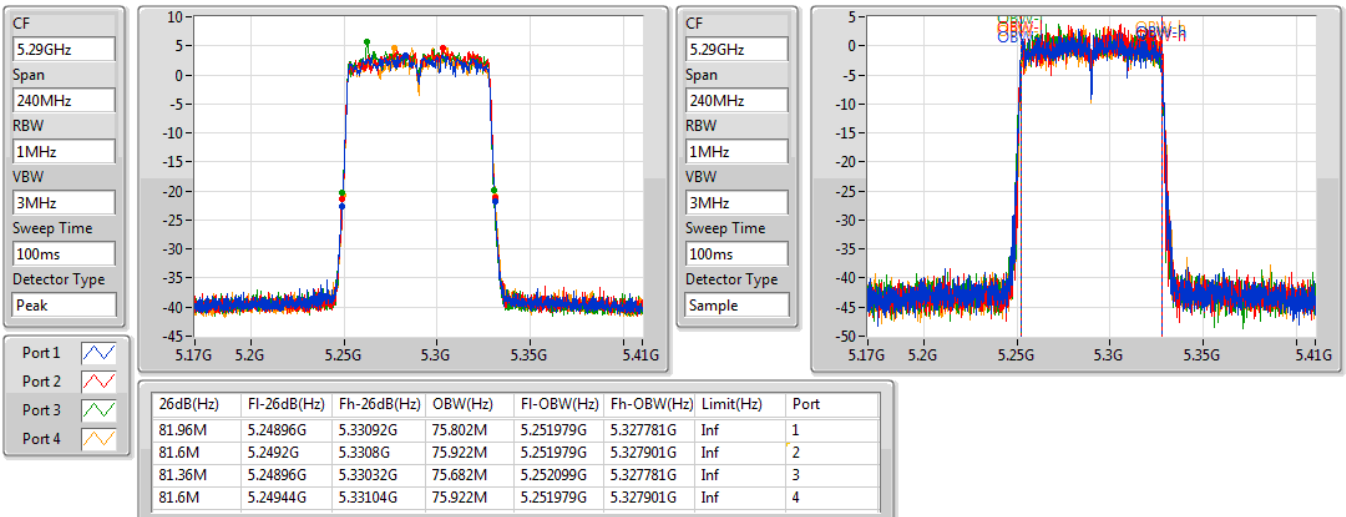


## 802.11ac VHT80\_Nss4,(MCS0)\_4TX

EBW

### 5290MHz

05/11/2019

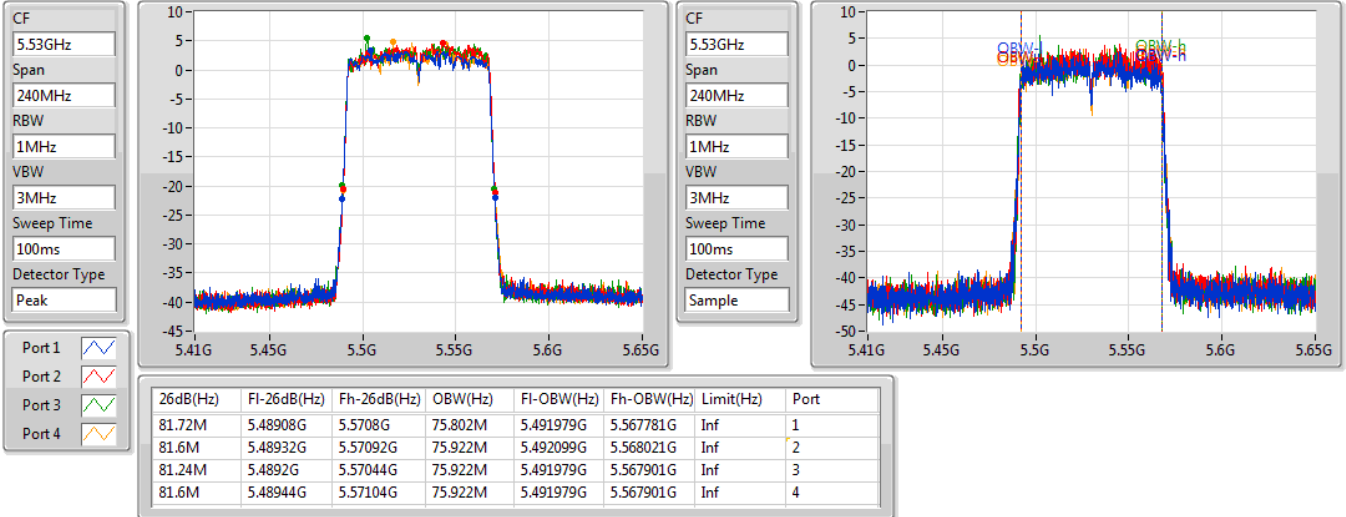


## 802.11ac VHT80\_Nss4,(MCS0)\_4TX

EBW

5530MHz

05/11/2019

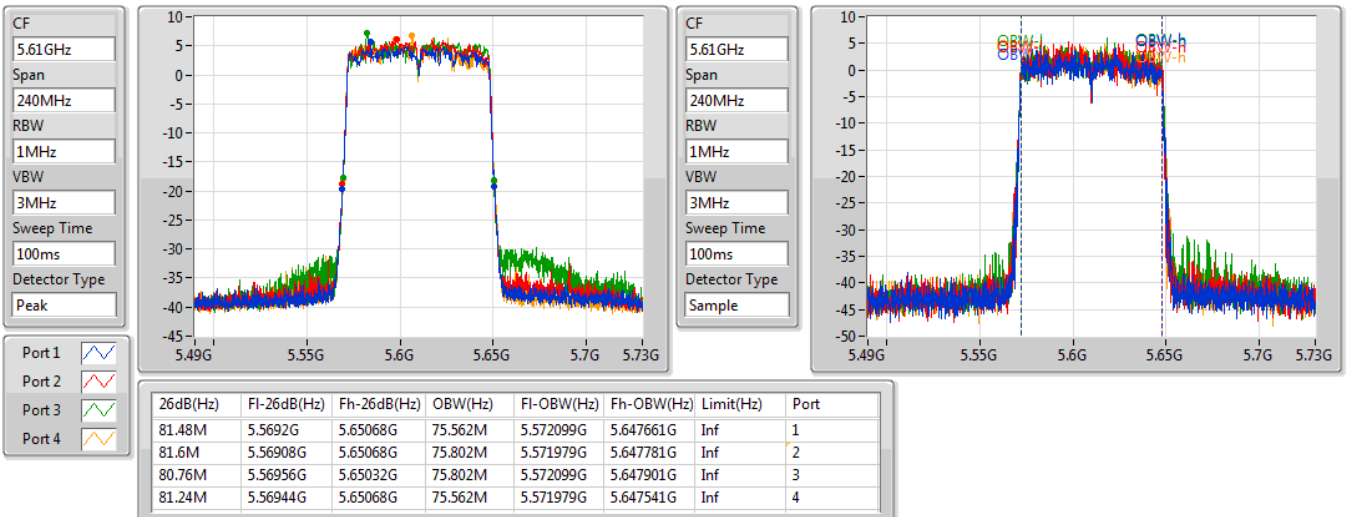


## 802.11ac VHT80\_Nss4,(MCS0)\_4TX

EBW

5610MHz

05/11/2019

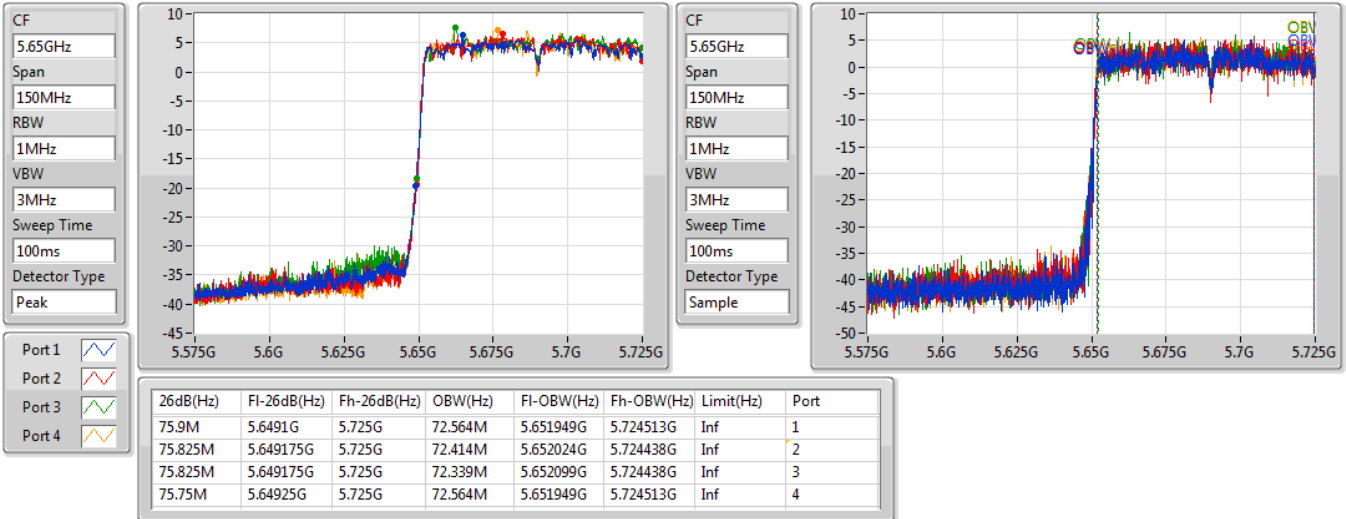


## 802.11ac VHT80\_Nss4,(MCS0)\_4TX

EBW

### 5690MHz Straddle 5.47-5.725GHz

05/11/2019

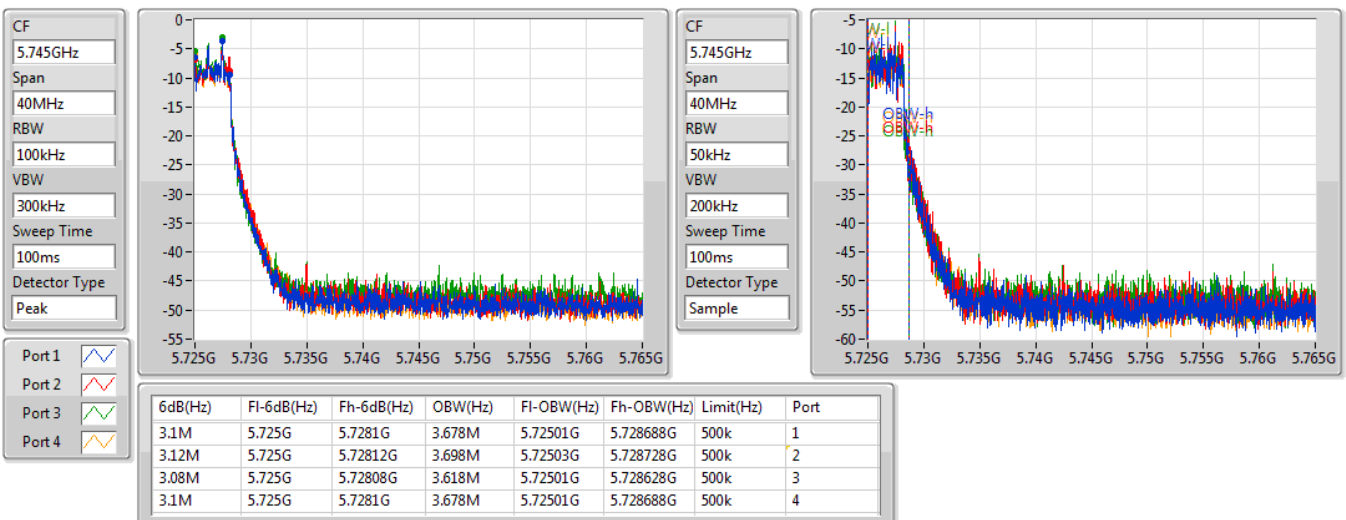


## 802.11ac VHT80\_Nss4,(MCS0)\_4TX

EBW

### 5690MHz Straddle 5.725-5.85GHz

05/11/2019

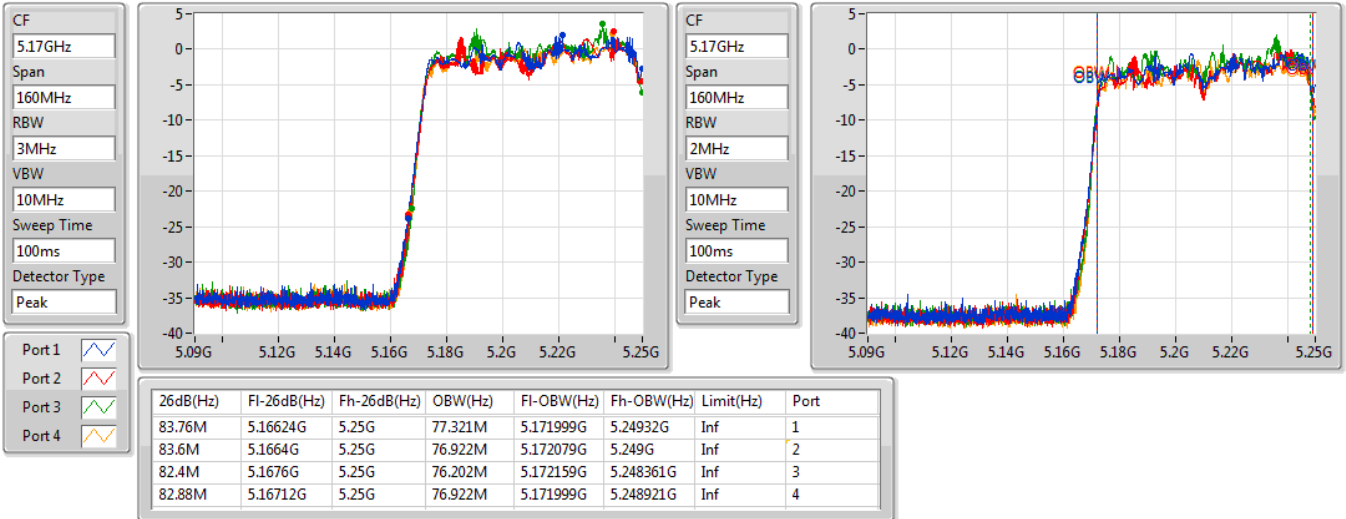


## 802.11ac VHT160\_Nss4,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.15-5.25GHz

04/12/2019

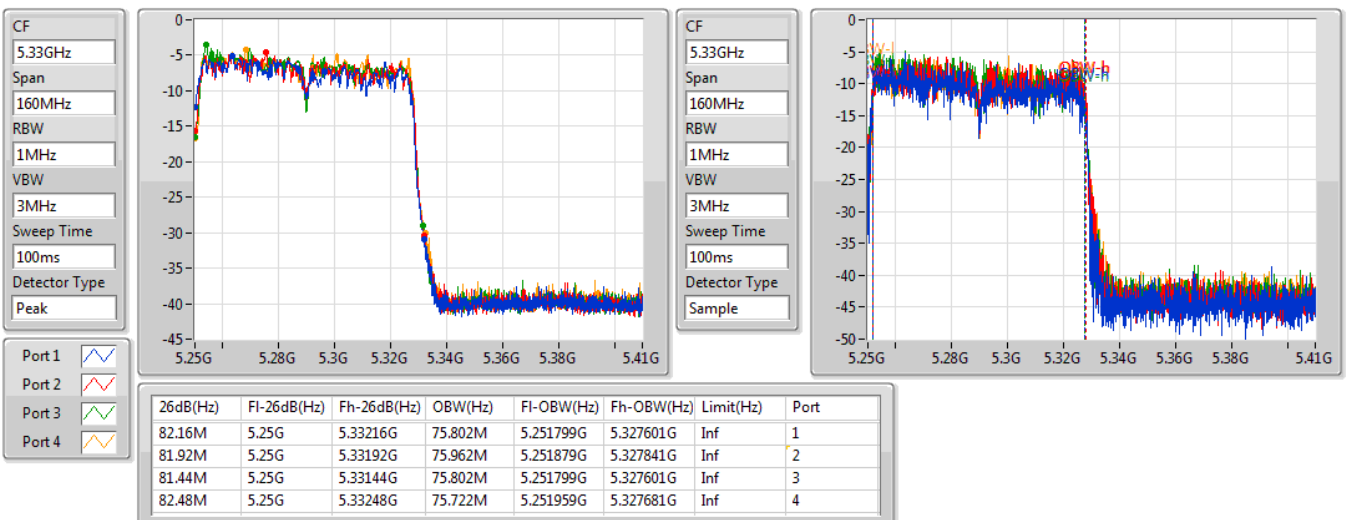


## 802.11ac VHT160\_Nss4,(MCS0)\_4TX

EBW

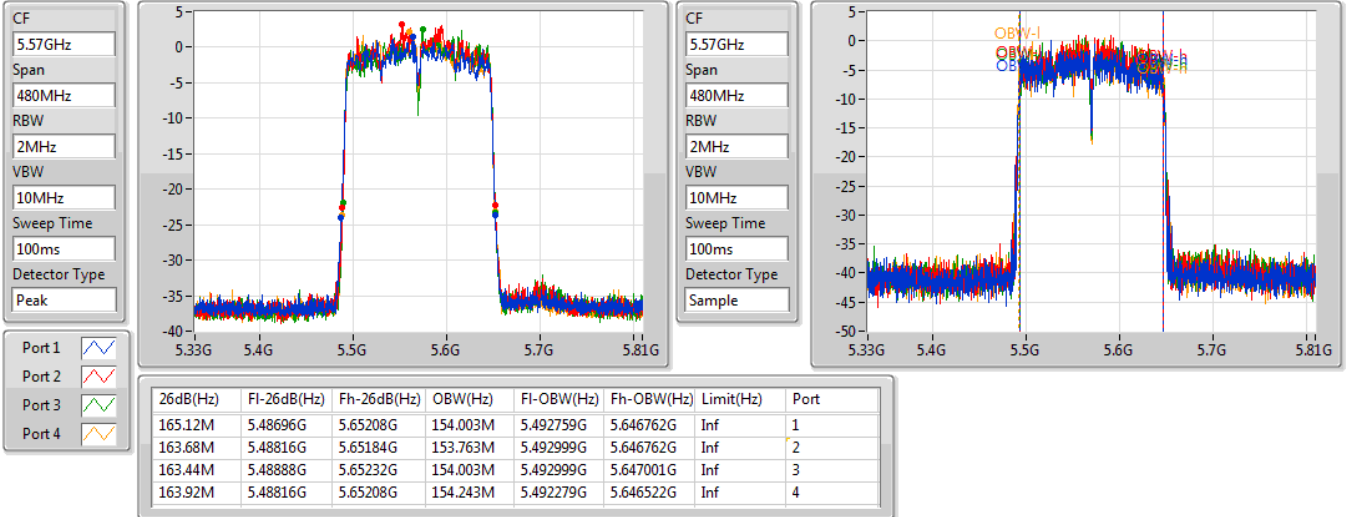
### 5250MHz Straddle 5.25-5.35GHz

06/11/2019

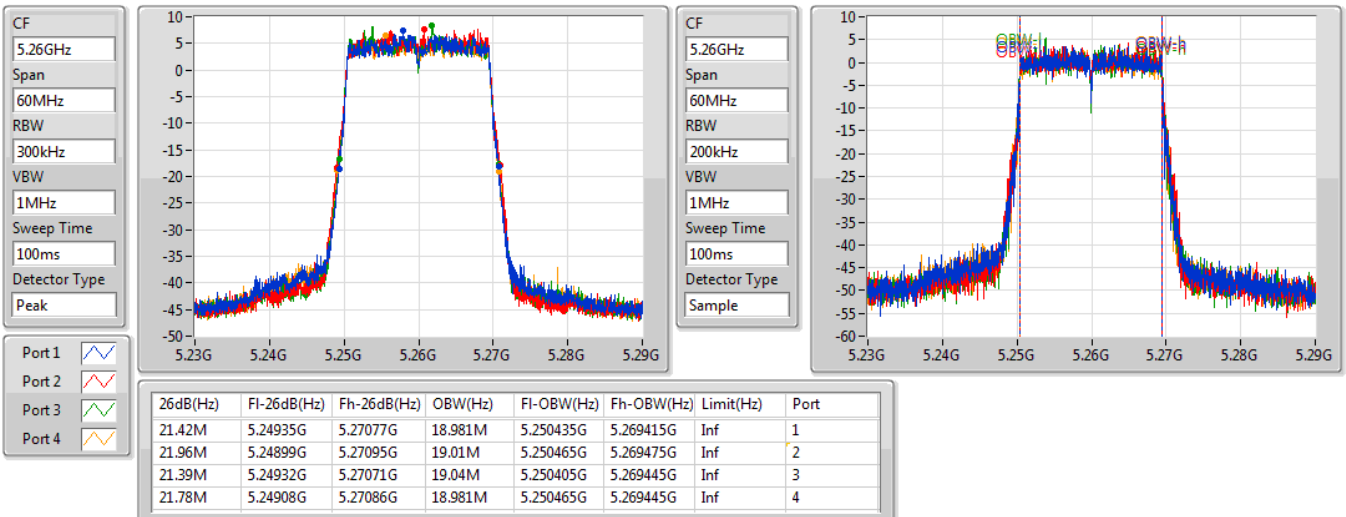


**802.11ac VHT160\_Nss4,(MCS0)\_4TX**
**EBW**
**5570MHz**

05/11/2019


**802.11ax HEW20\_Nss4,(MCS0)\_4TX**
**EBW**
**5260MHz**

05/11/2019

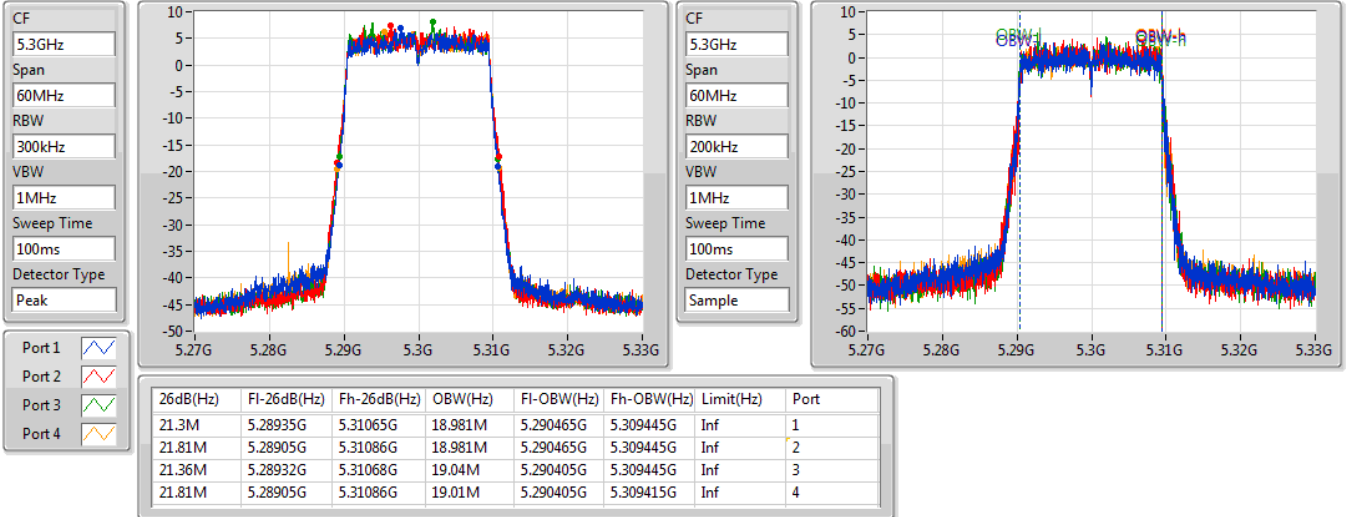


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

5300MHz

05/11/2019

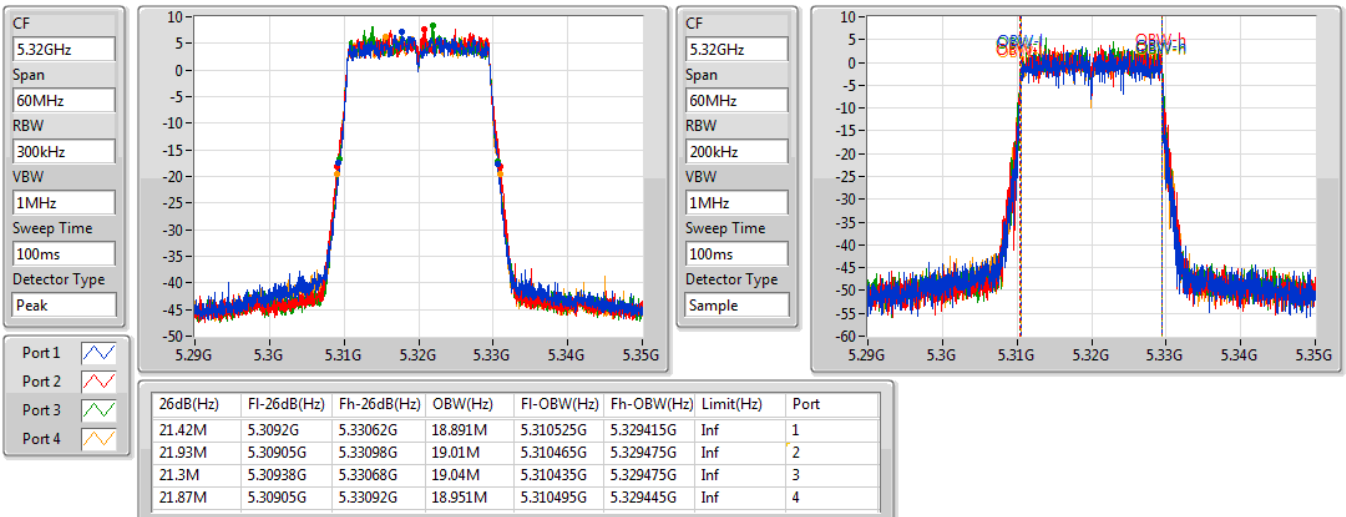


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

5320MHz

05/11/2019

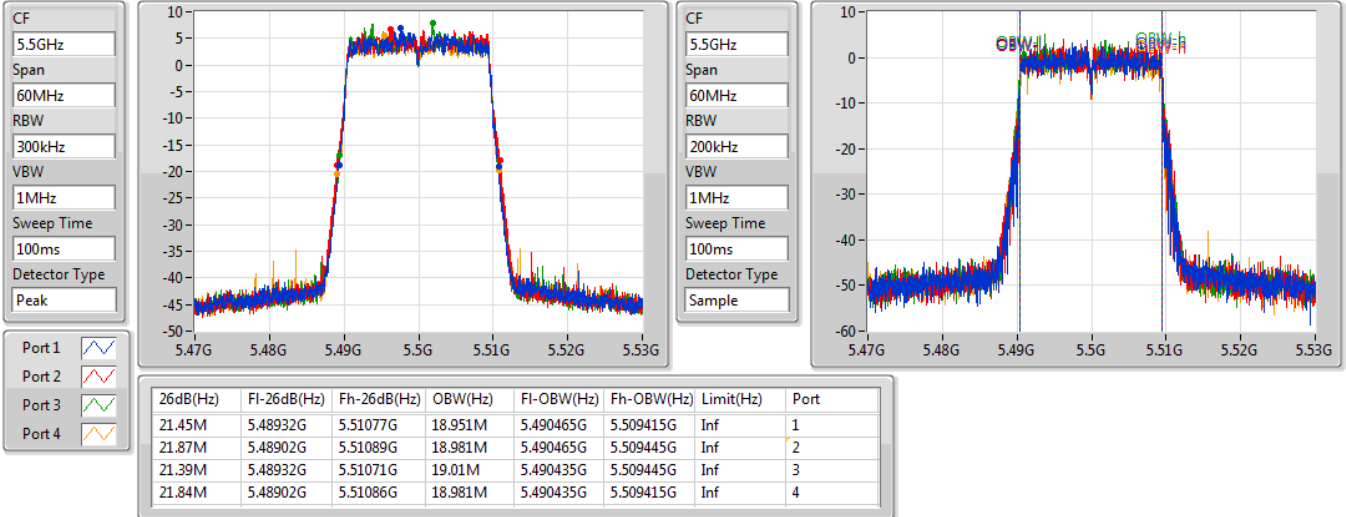


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

5500MHz

05/11/2019

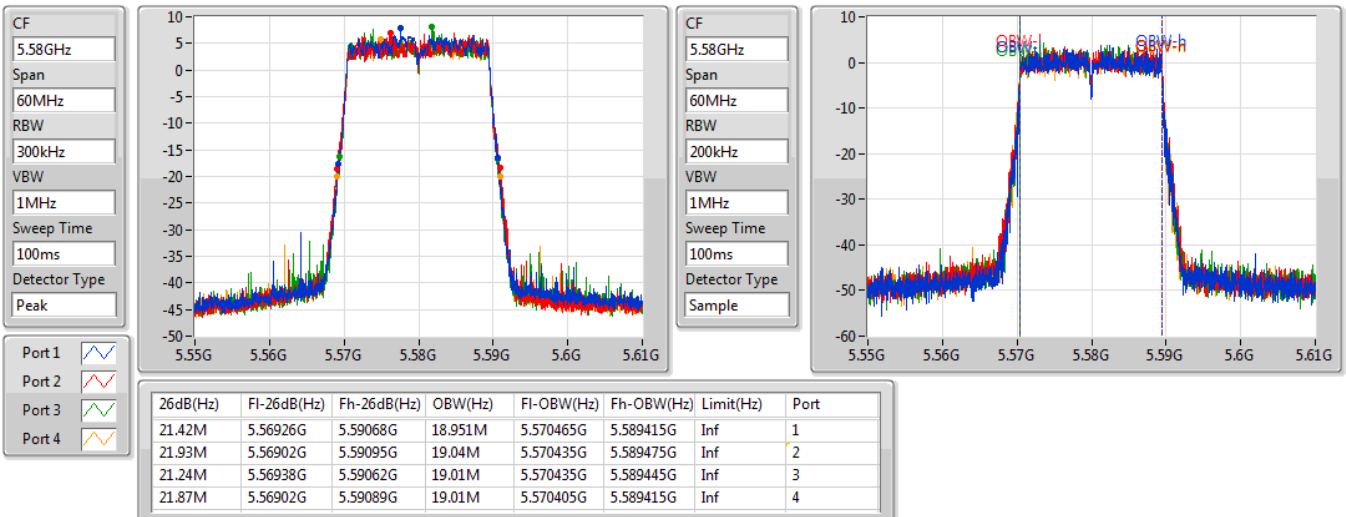


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

5580MHz

05/11/2019



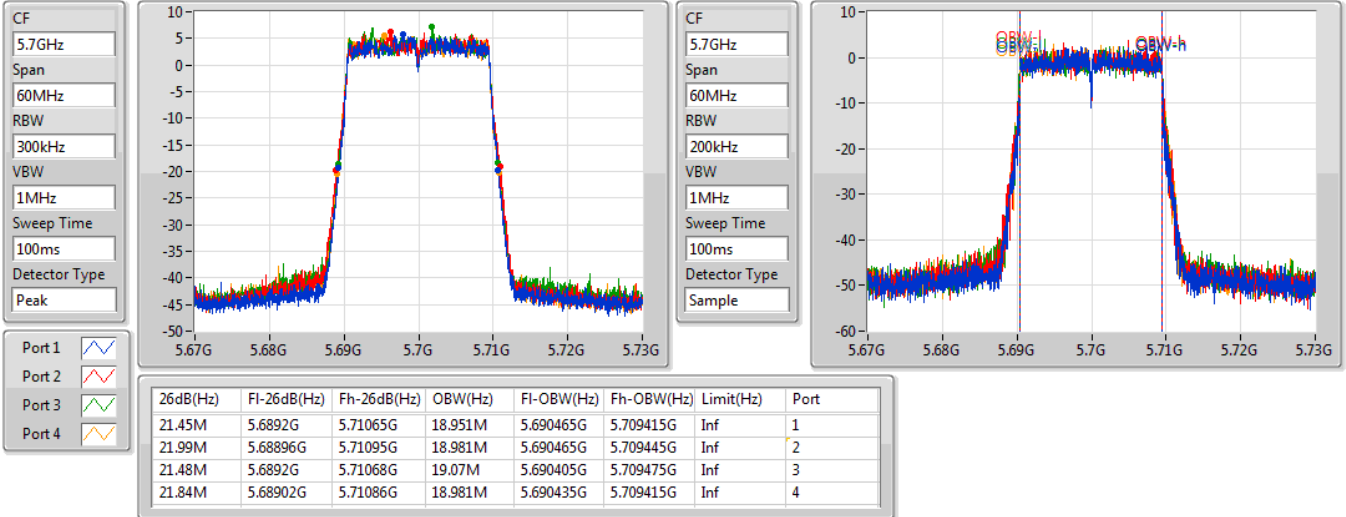


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

5700MHz

05/11/2019

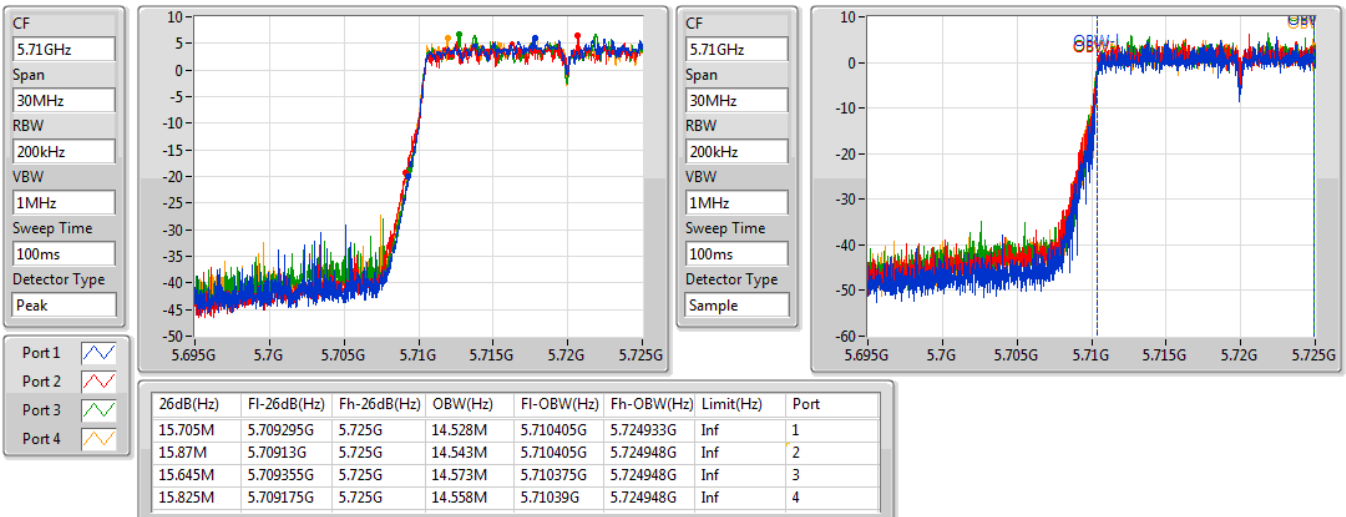


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/11/2019



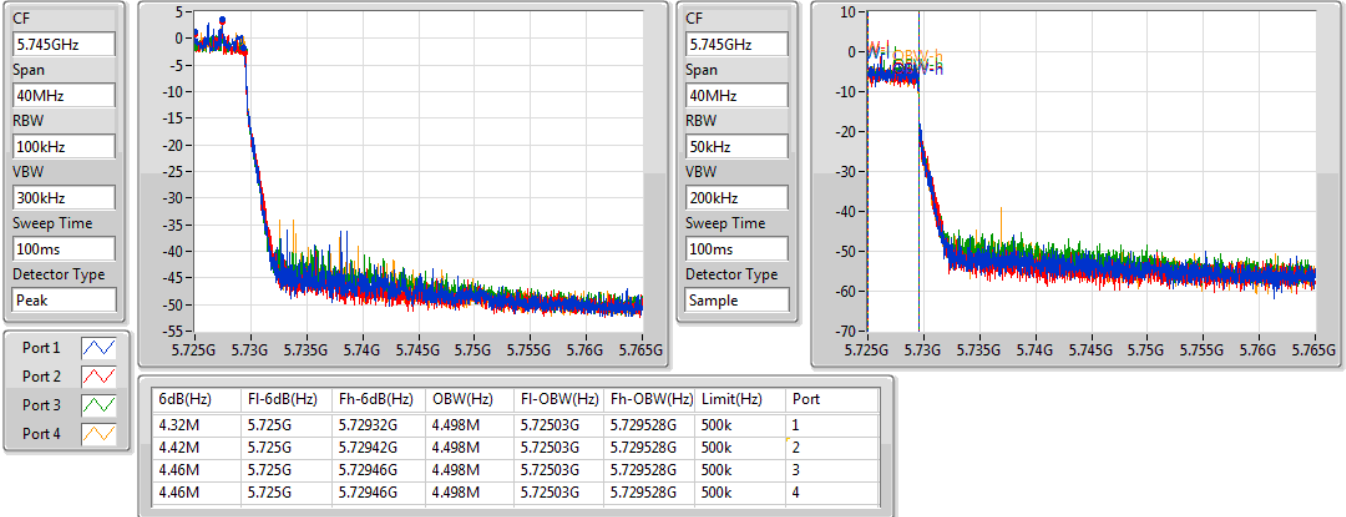


## 802.11ax HEW20\_Nss4,(MCS0)\_4TX

EBW

### 5720MHz Straddle 5.725-5.85GHz

05/11/2019

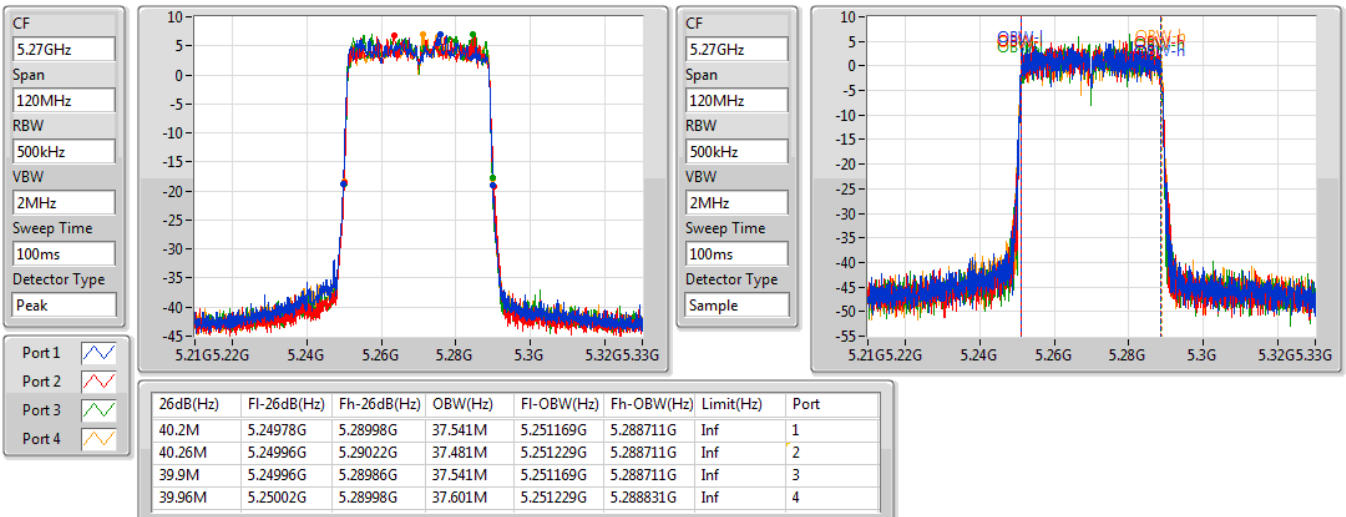


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

### 5270MHz

05/11/2019

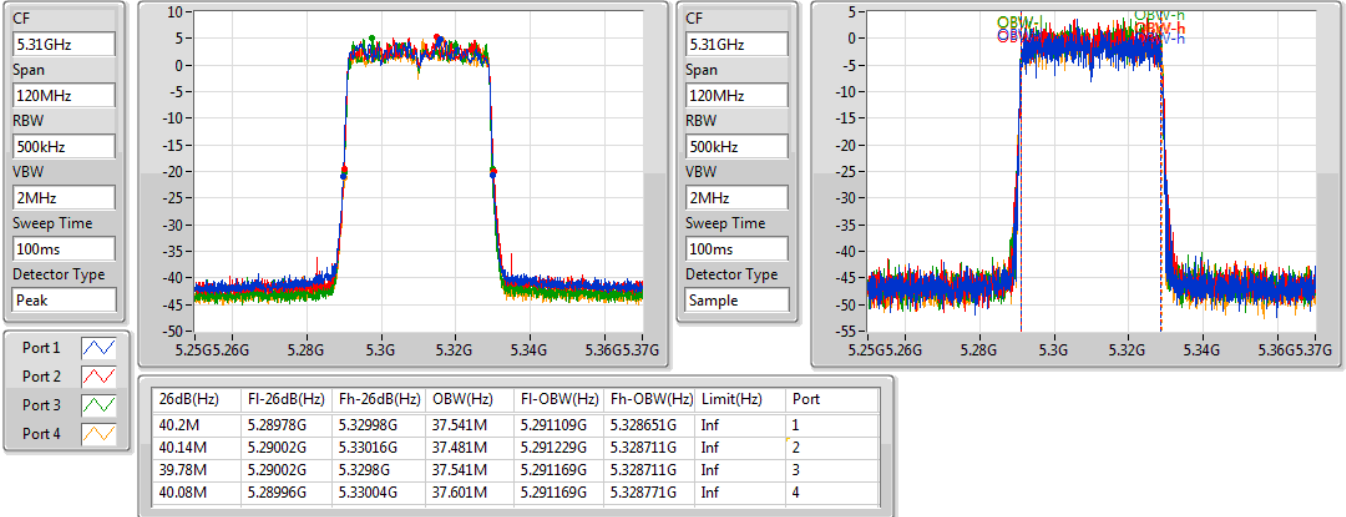


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

5310MHz

05/11/2019

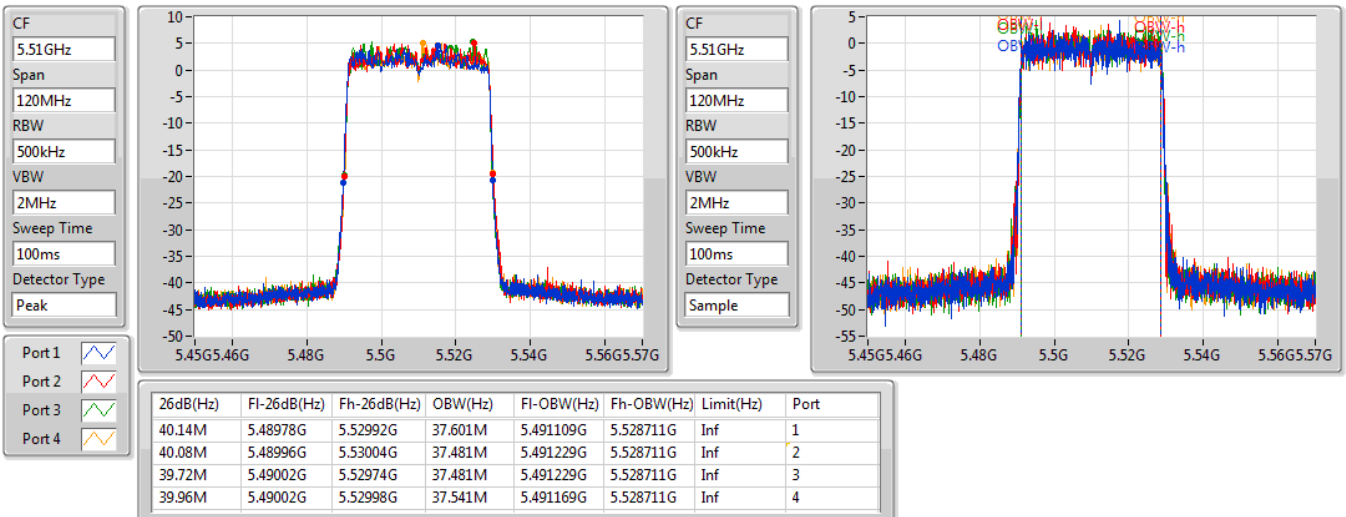


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

5510MHz

05/11/2019

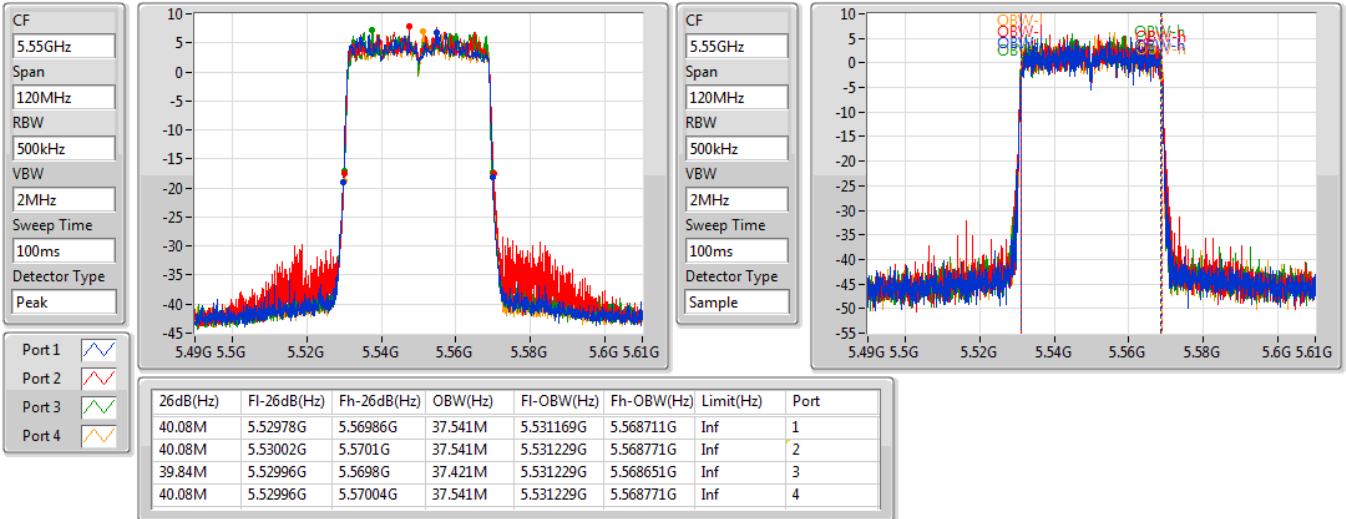


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

5550MHz

05/11/2019

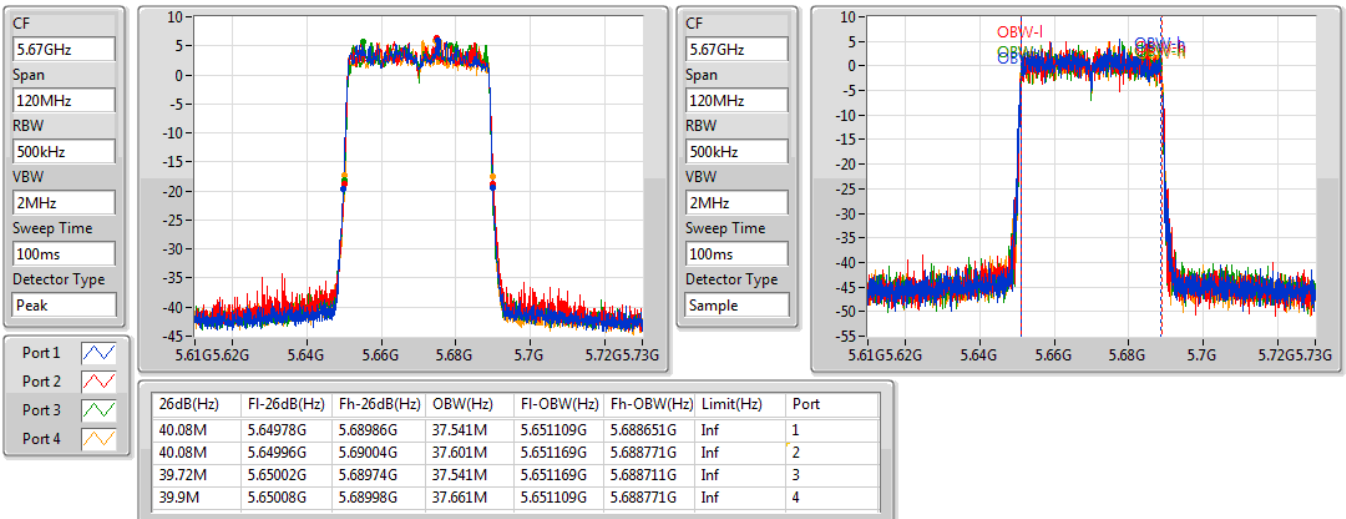


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

5670MHz

05/11/2019

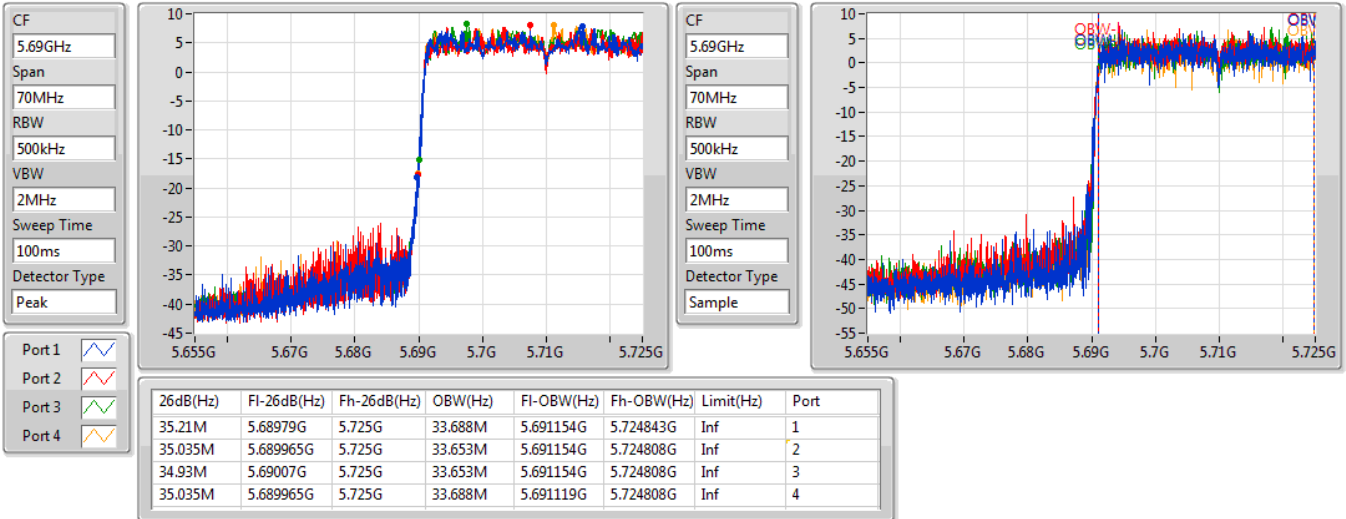


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

### 5710MHz Straddle 5.67-5.725GHz

05/11/2019

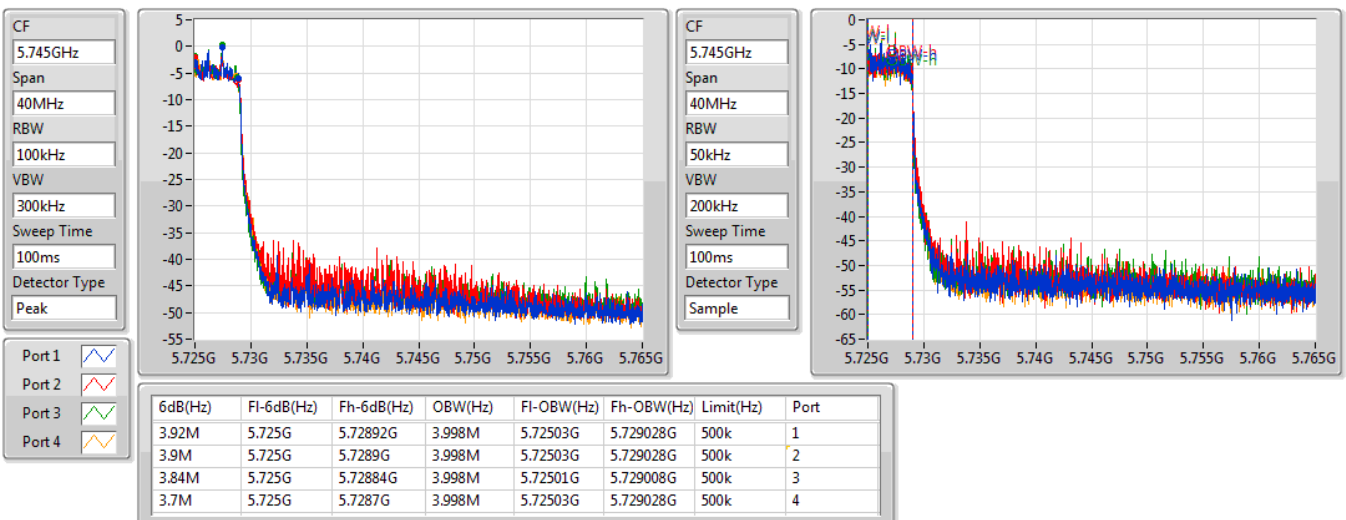


## 802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

### 5710MHz Straddle 5.725-5.85GHz

05/11/2019

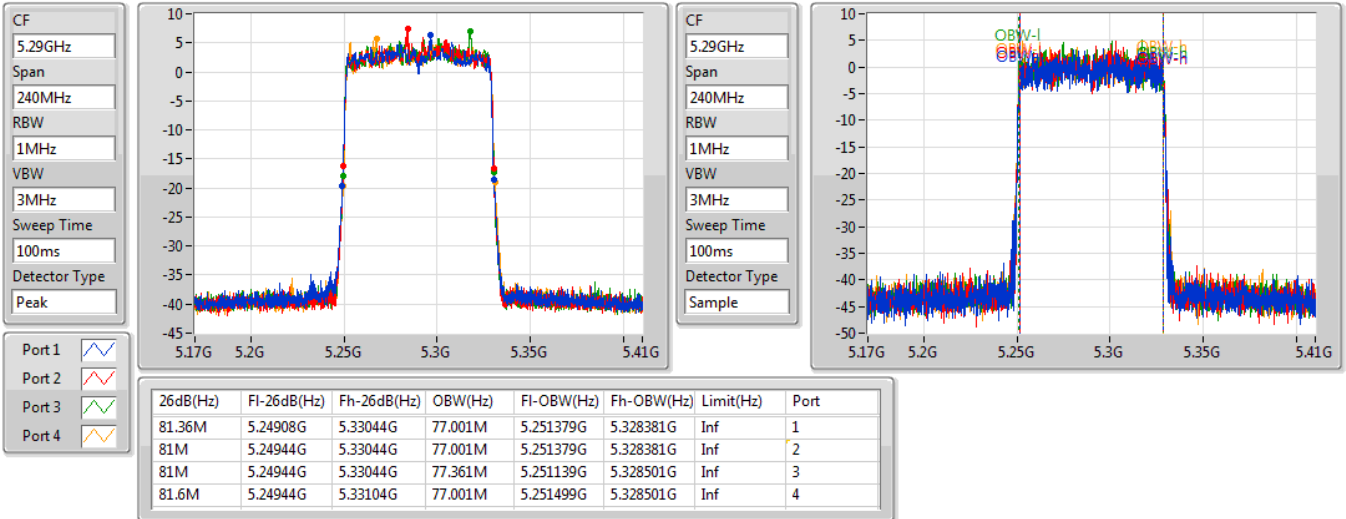


## 802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

5290MHz

05/11/2019

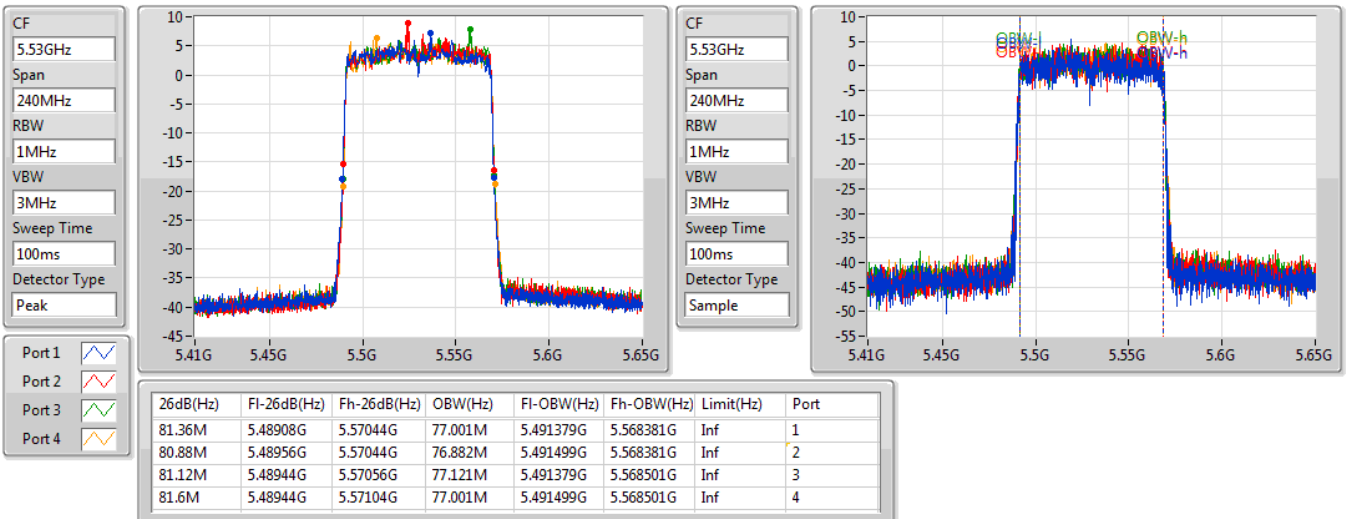


## 802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

5530MHz

05/11/2019

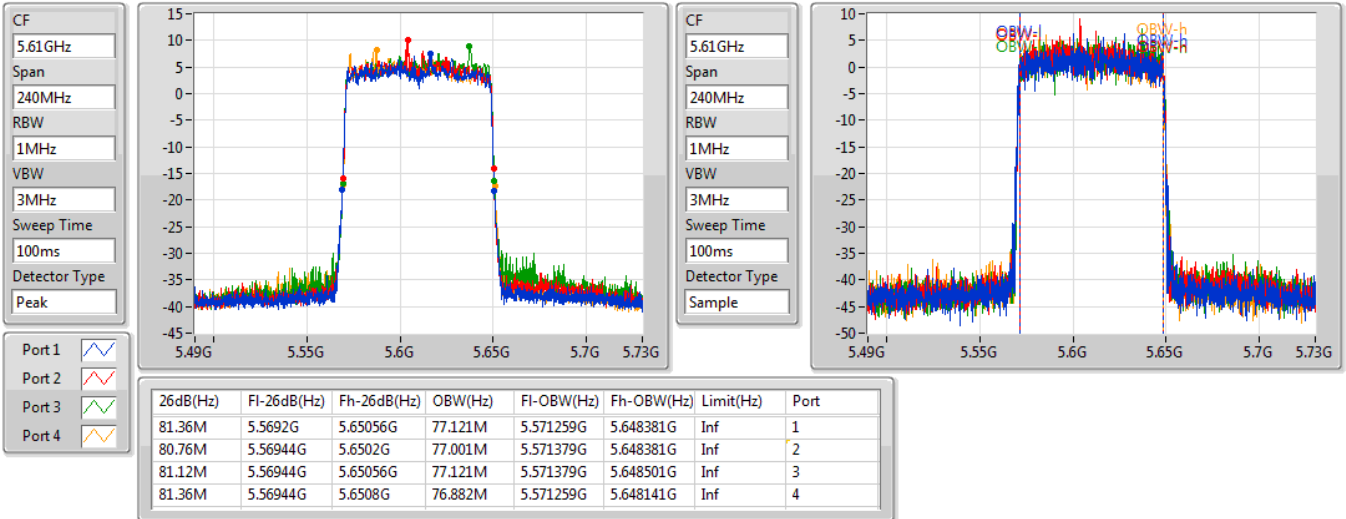


## 802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

5610MHz

05/11/2019

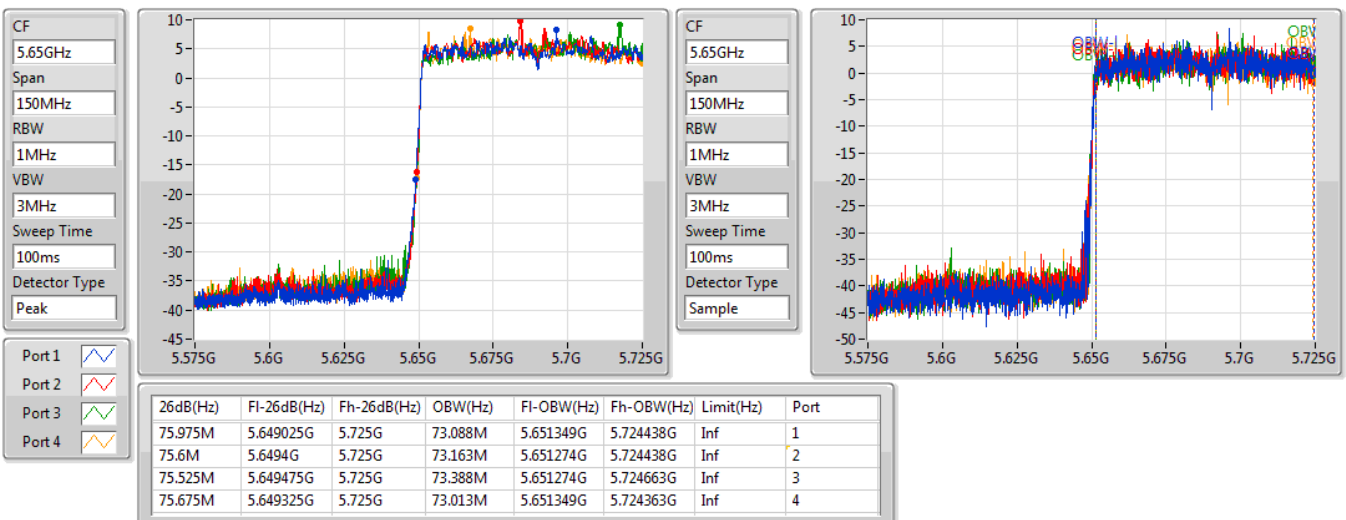


## 802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/11/2019

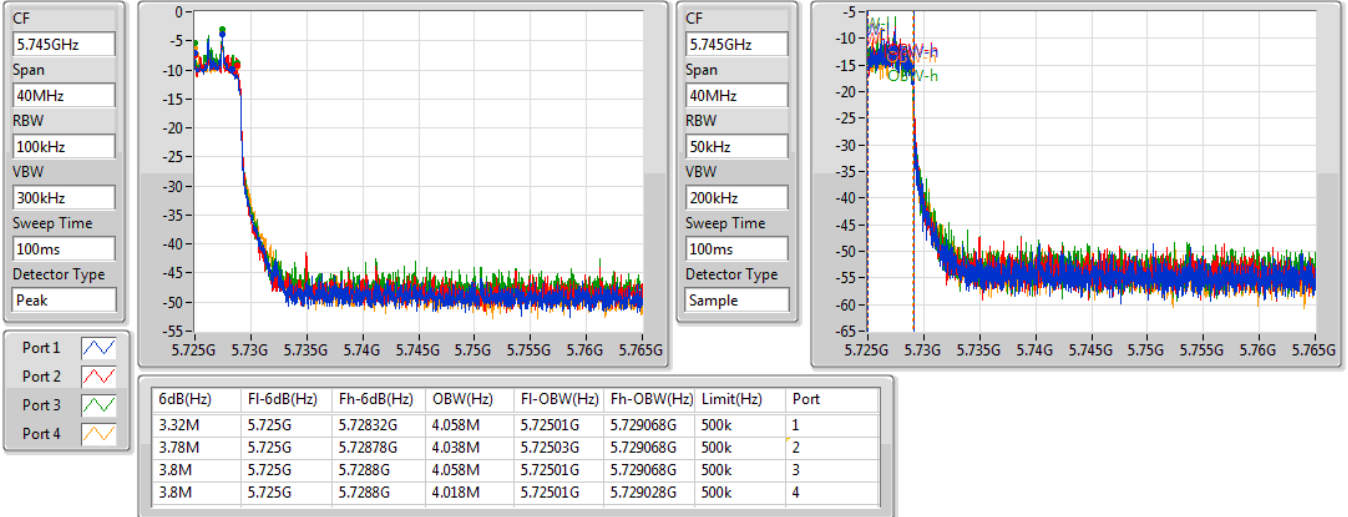


## 802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

### 5690MHz Straddle 5.725-5.85GHz

05/11/2019

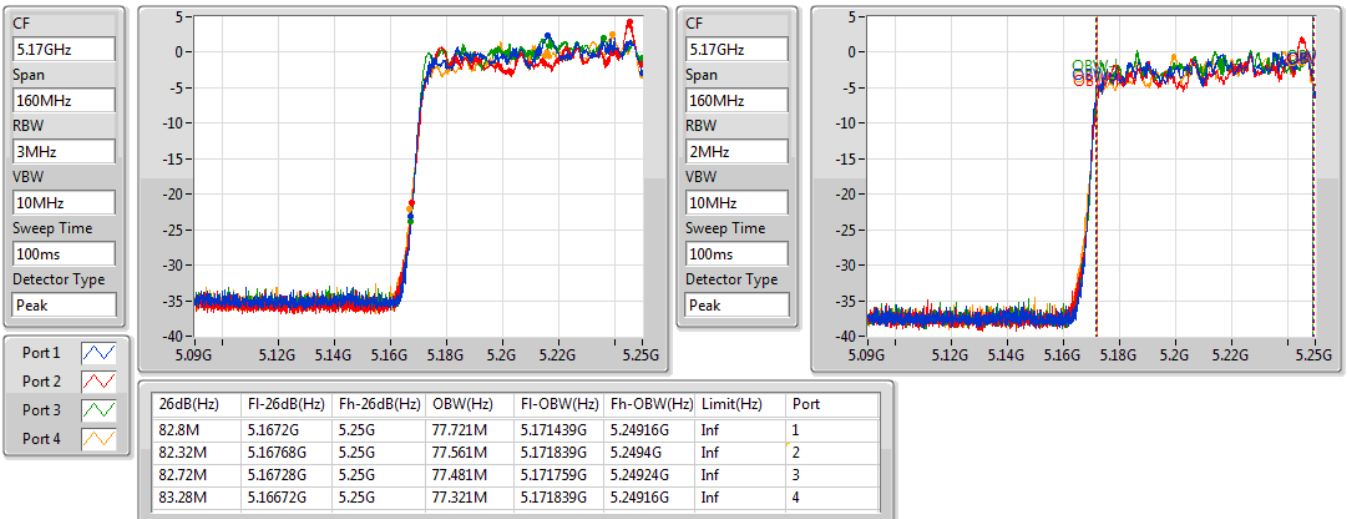


## 802.11ax HEW160\_Nss4,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.15-5.25GHz

04/12/2019



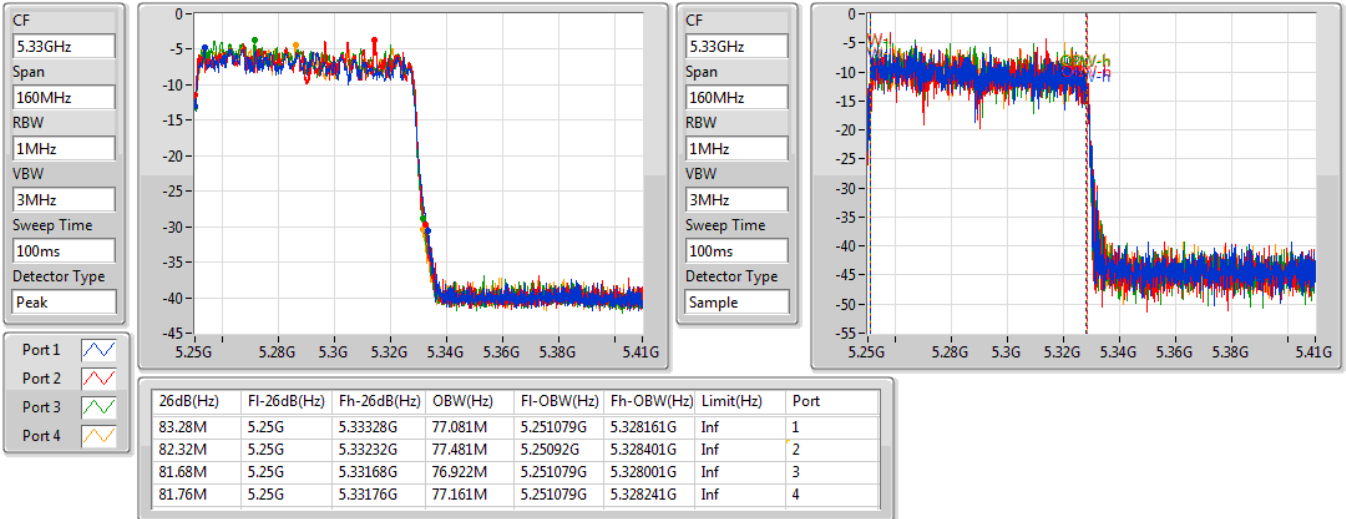


## 802.11ax HEW160\_Nss4,(MCS0)\_4TX

EBW

### 5250MHz Straddle 5.25-5.35GHz

05/11/2019

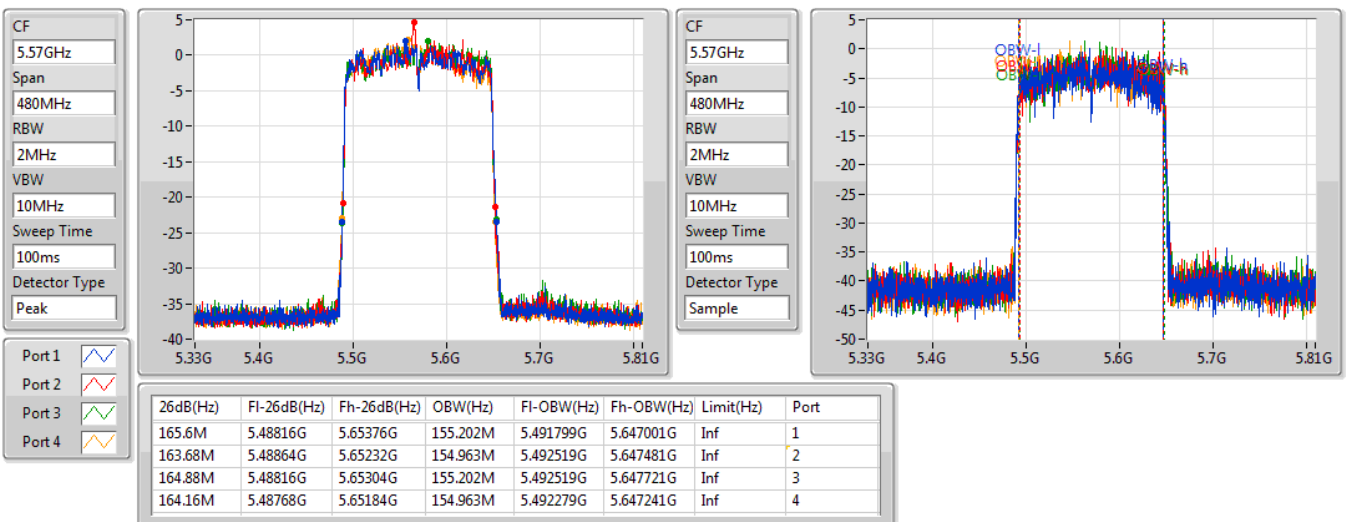


## 802.11ax HEW160\_Nss4,(MCS0)\_4TX

EBW

### 5570MHz

05/11/2019





**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                    | -                | -               | -        | -                | -               |
| 802.11ac VHT160_Nss1,(MCS0)_1TX | 82.8M            | 76.842M         | 76M8D1D  | 82.8M            | 76.842M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | 83.2M            | 77.561M         | 77M6D1D  | 83.2M            | 77.561M         |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX        | 21.57M           | 16.732M         | 16M7D1D  | 21.45M           | 16.702M         |
| 802.11ac VHT20_Nss1,(MCS0)_1TX  | 21.81M           | 17.841M         | 17M8D1D  | 21.72M           | 17.841M         |
| 802.11ac VHT40_Nss1,(MCS0)_1TX  | 41.28M           | 36.462M         | 36M5D1D  | 41.22M           | 36.402M         |
| 802.11ac VHT80_Nss1,(MCS0)_1TX  | 83.28M           | 75.802M         | 75M8D1D  | 83.28M           | 75.802M         |
| 802.11ac VHT160_Nss1,(MCS0)_1TX | 83.04M           | 76.522M         | 76M5D1D  | 83.04M           | 76.522M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX  | 21.66M           | 19.01M          | 19M0D1D  | 21.54M           | 19.01M          |
| 802.11ax HEW40_Nss1,(MCS0)_1TX  | 40.92M           | 37.541M         | 37M5D1D  | 40.8M            | 37.541M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX  | 83.52M           | 77.121M         | 77M1D1D  | 83.52M           | 77.121M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | 83.52M           | 77.721M         | 77M7D1D  | 83.52M           | 77.721M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX        | 21.54M           | 16.762M         | 16M8D1D  | 15.735M          | 13.373M         |
| 802.11ac VHT20_Nss1,(MCS0)_1TX  | 21.78M           | 17.841M         | 17M8D1D  | 15.915M          | 13.973M         |
| 802.11ac VHT40_Nss1,(MCS0)_1TX  | 41.16M           | 36.462M         | 36M5D1D  | 35.595M          | 33.023M         |
| 802.11ac VHT80_Nss1,(MCS0)_1TX  | 83.52M           | 75.802M         | 75M8D1D  | 76.725M          | 72.489M         |
| 802.11ac VHT160_Nss1,(MCS0)_1TX | 165.84M          | 154.243M        | 154MD1D  | 165.84M          | 154.243M        |
| 802.11ax HEW20_Nss1,(MCS0)_1TX  | 22.68M           | 19.01M          | 19M0D1D  | 15.9M            | 14.528M         |
| 802.11ax HEW40_Nss1,(MCS0)_1TX  | 40.92M           | 37.541M         | 37M5D1D  | 35.455M          | 33.653M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX  | 83.76M           | 77.121M         | 77M1D1D  | 76.725M          | 73.088M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | 166.32M          | 155.442M        | 155MD1D  | 166.32M          | 155.442M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX        | 3.14M            | 4.078M          | 4M08D1D  | 3.14M            | 4.078M          |
| 802.11ac VHT20_Nss1,(MCS0)_1TX  | 3.76M            | 4.298M          | 4M30D1D  | 3.76M            | 4.298M          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX  | 3.14M            | 3.698M          | 3M70D1D  | 3.14M            | 3.698M          |
| 802.11ac VHT80_Nss1,(MCS0)_1TX  | 3.12M            | 4.058M          | 4M06D1D  | 3.12M            | 4.058M          |
| 802.11ax HEW20_Nss1,(MCS0)_1TX  | 4.46M            | 4.558M          | 4M56D1D  | 4.46M            | 4.558M          |
| 802.11ax HEW40_Nss1,(MCS0)_1TX  | 3.74M            | 4.058M          | 4M06D1D  | 3.74M            | 4.058M          |
| 802.11ax HEW80_Nss1,(MCS0)_1TX  | 3.8M             | 4.298M          | 4M30D1D  | 3.8M             | 4.298M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX        | -      | -             | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.48M              | 16.702M            |
| 5300MHz                         | Pass   | Inf           | 21.45M              | 16.732M            |
| 5320MHz                         | Pass   | Inf           | 21.57M              | 16.702M            |
| 5500MHz                         | Pass   | Inf           | 21.48M              | 16.762M            |
| 5580MHz                         | Pass   | Inf           | 21.54M              | 16.762M            |
| 5700MHz                         | Pass   | Inf           | 21.51M              | 16.762M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.735M             | 13.373M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.14M               | 4.078M             |
| 802.11ac VHT20_Nss1,(MCS0)_1TX  | -      | -             | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.81M              | 17.841M            |
| 5300MHz                         | Pass   | Inf           | 21.72M              | 17.841M            |
| 5320MHz                         | Pass   | Inf           | 21.78M              | 17.841M            |
| 5500MHz                         | Pass   | Inf           | 21.78M              | 17.841M            |
| 5580MHz                         | Pass   | Inf           | 21.72M              | 17.841M            |
| 5700MHz                         | Pass   | Inf           | 21.78M              | 17.841M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.915M             | 13.973M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.76M               | 4.298M             |
| 802.11ac VHT40_Nss1,(MCS0)_1TX  | -      | -             | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 41.28M              | 36.402M            |
| 5310MHz                         | Pass   | Inf           | 41.22M              | 36.462M            |
| 5510MHz                         | Pass   | Inf           | 41.1M               | 36.402M            |
| 5550MHz                         | Pass   | Inf           | 41.16M              | 36.462M            |
| 5670MHz                         | Pass   | Inf           | 41.16M              | 36.462M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 35.595M             | 33.023M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.14M               | 3.698M             |
| 802.11ac VHT80_Nss1,(MCS0)_1TX  | -      | -             | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 83.28M              | 75.802M            |
| 5530MHz                         | Pass   | Inf           | 83.4M               | 75.802M            |
| 5610MHz                         | Pass   | Inf           | 83.52M              | 75.802M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 76.725M             | 72.489M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.12M               | 4.058M             |
| 802.11ac VHT160_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 82.8M               | 76.842M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 83.04M              | 76.522M            |
| 5570MHz                         | Pass   | Inf           | 165.84M             | 154.243M           |
| 802.11ax HEW20_Nss1,(MCS0)_1TX  | -      | -             | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.66M              | 19.01M             |
| 5300MHz                         | Pass   | Inf           | 21.54M              | 19.01M             |
| 5320MHz                         | Pass   | Inf           | 21.57M              | 19.01M             |
| 5500MHz                         | Pass   | Inf           | 21.63M              | 19.01M             |
| 5580MHz                         | Pass   | Inf           | 22.68M              | 19.01M             |
| 5700MHz                         | Pass   | Inf           | 21.6M               | 19.01M             |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.9M               | 14.528M            |

| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 4.46M               | 4.558M             |
| 802.11ax HEW40_Nss1,(MCS0)_1TX  | -      | -             | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 40.8M               | 37.541M            |
| 5310MHz                         | Pass   | Inf           | 40.92M              | 37.541M            |
| 5510MHz                         | Pass   | Inf           | 40.68M              | 37.541M            |
| 5550MHz                         | Pass   | Inf           | 40.74M              | 37.541M            |
| 5670MHz                         | Pass   | Inf           | 40.92M              | 37.541M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 35.455M             | 33.653M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.74M               | 4.058M             |
| 802.11ax HEW80_Nss1,(MCS0)_1TX  | -      | -             | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 83.52M              | 77.121M            |
| 5530MHz                         | Pass   | Inf           | 83.76M              | 77.121M            |
| 5610MHz                         | Pass   | Inf           | 83.64M              | 77.121M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 76.725M             | 73.088M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.8M                | 4.298M             |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 83.2M               | 77.561M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 83.52M              | 77.721M            |
| 5570MHz                         | Pass   | Inf           | 166.32M             | 155.442M           |

**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

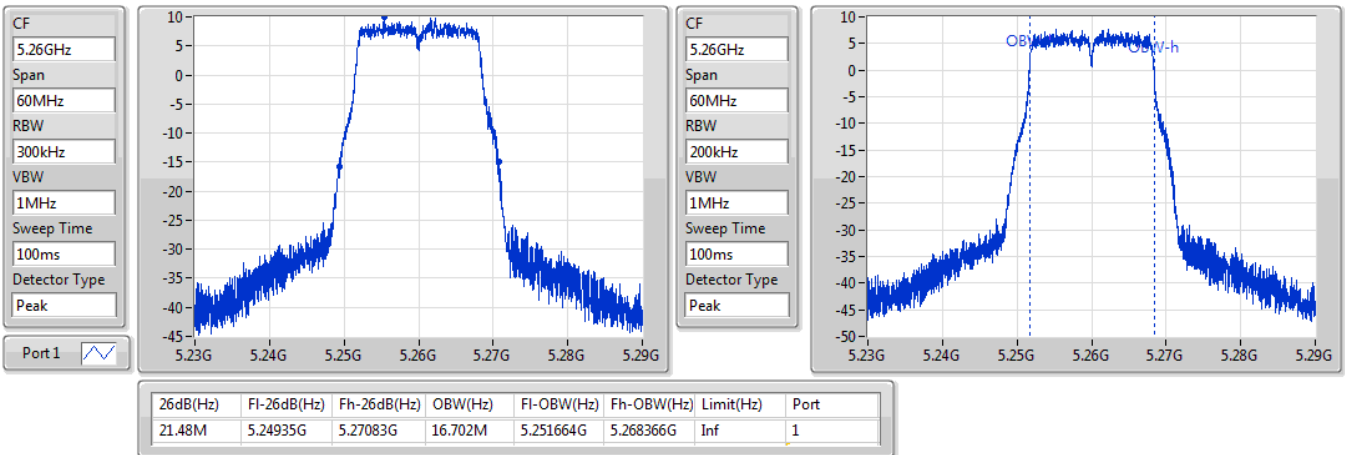
**Port X-OBW** = Port X 99% occupied bandwidth;

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

EBW

5260MHz

29/11/2019

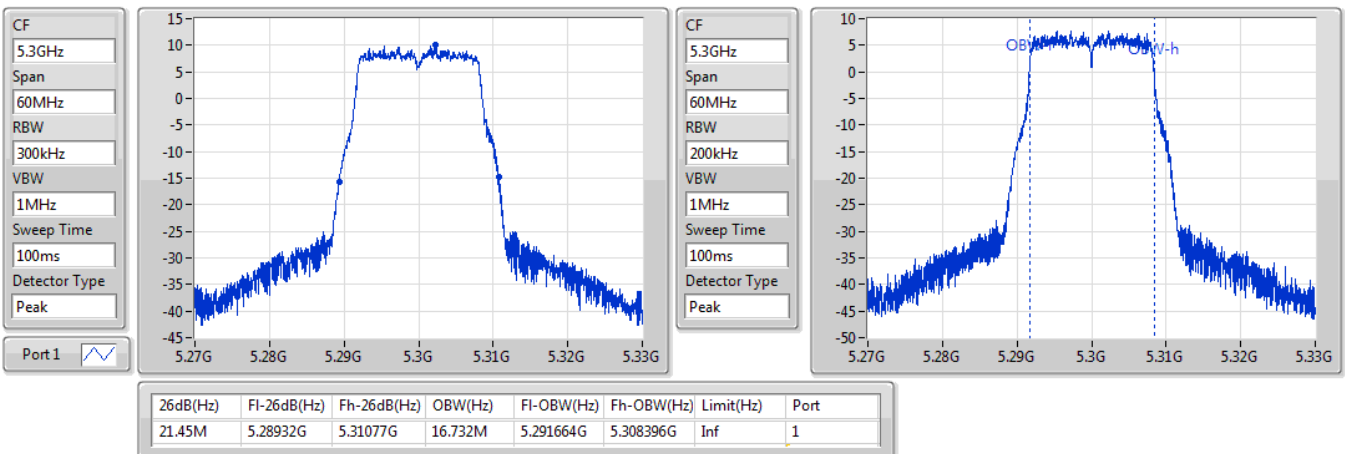


## 802.11a\_Nss1,(6Mbps)\_1TX

EBW

5300MHz

29/11/2019

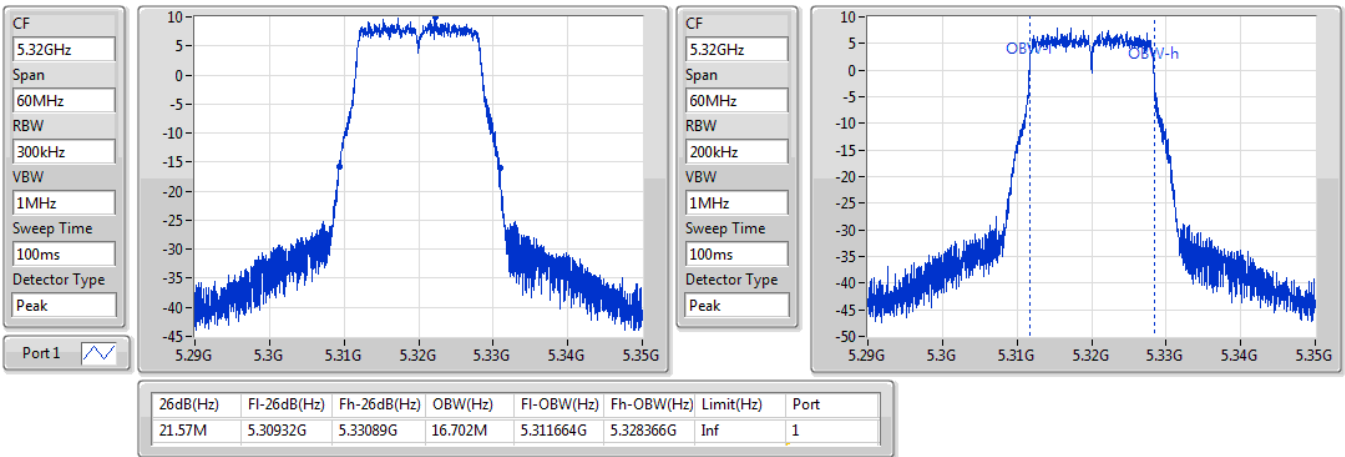


## 802.11a\_Nss1,(6Mbps)\_1TX

EBW

5320MHz

29/11/2019

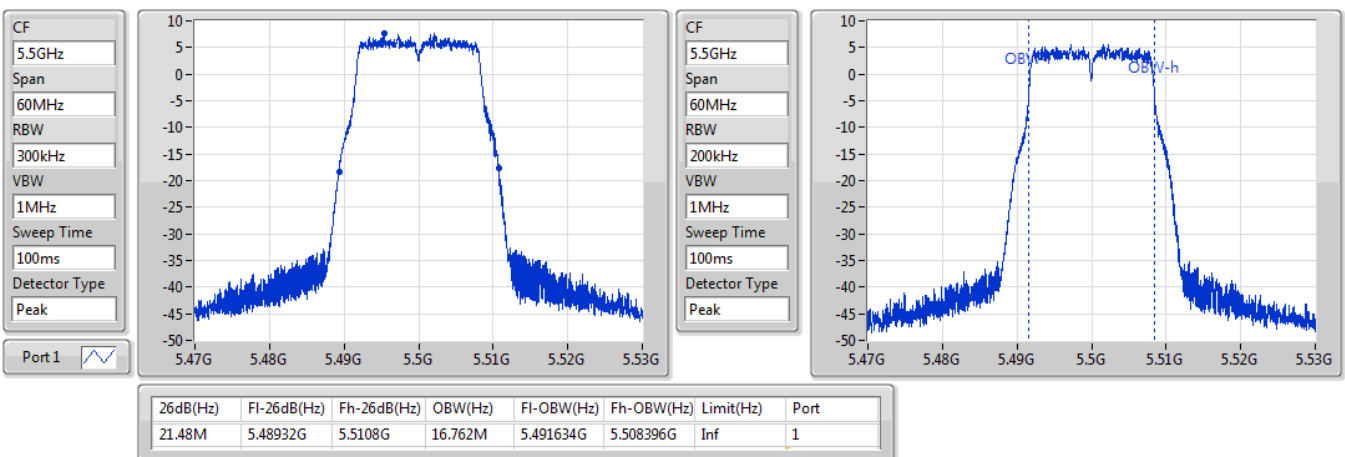


## 802.11a\_Nss1,(6Mbps)\_1TX

EBW

5500MHz

29/11/2019

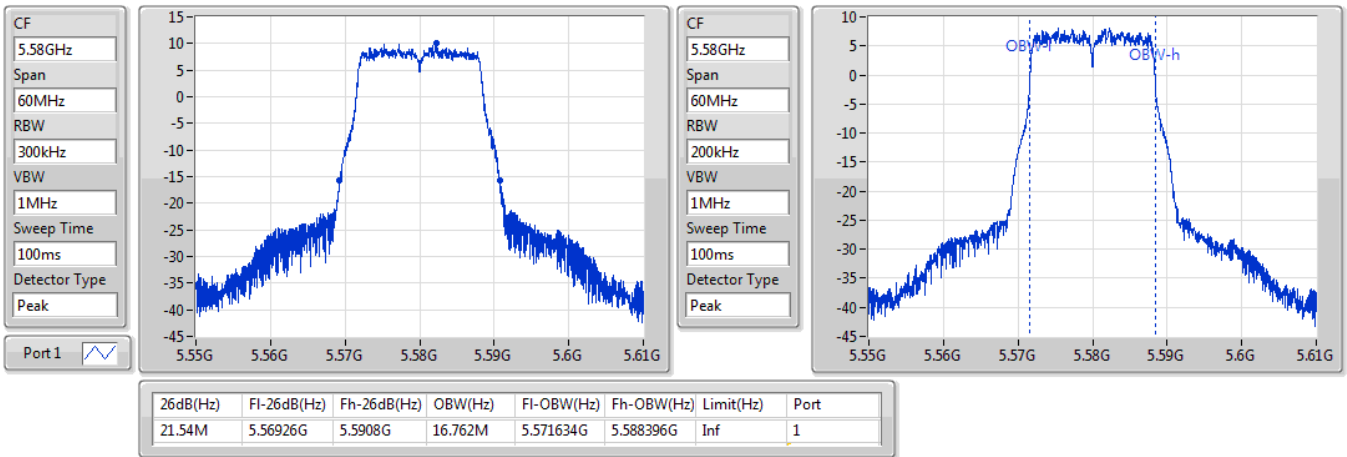


## 802.11a\_Nss1,(6Mbps)\_1TX

EBW

5580MHz

29/11/2019

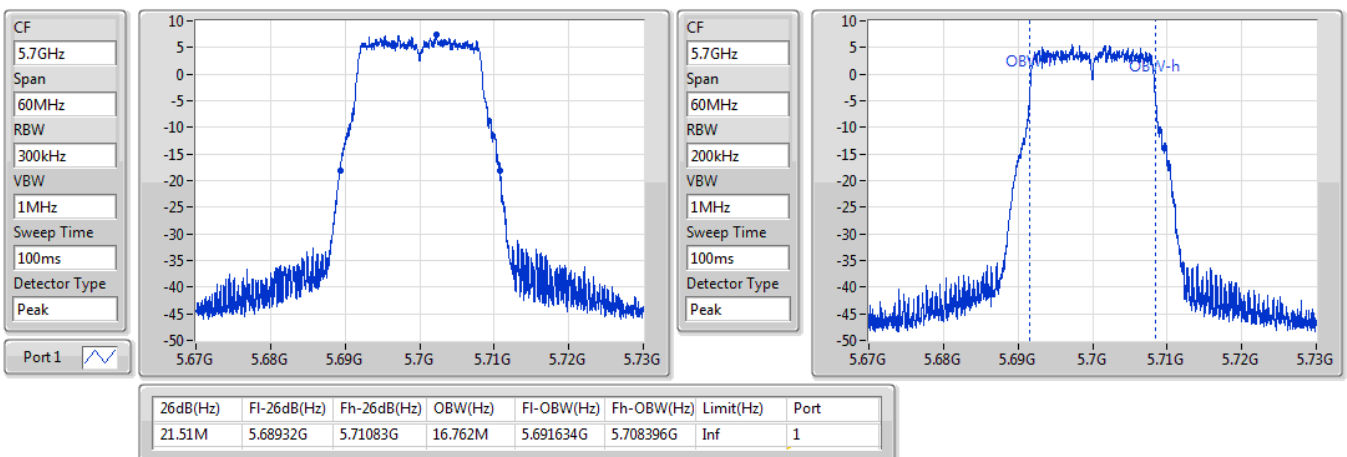


## 802.11a\_Nss1,(6Mbps)\_1TX

EBW

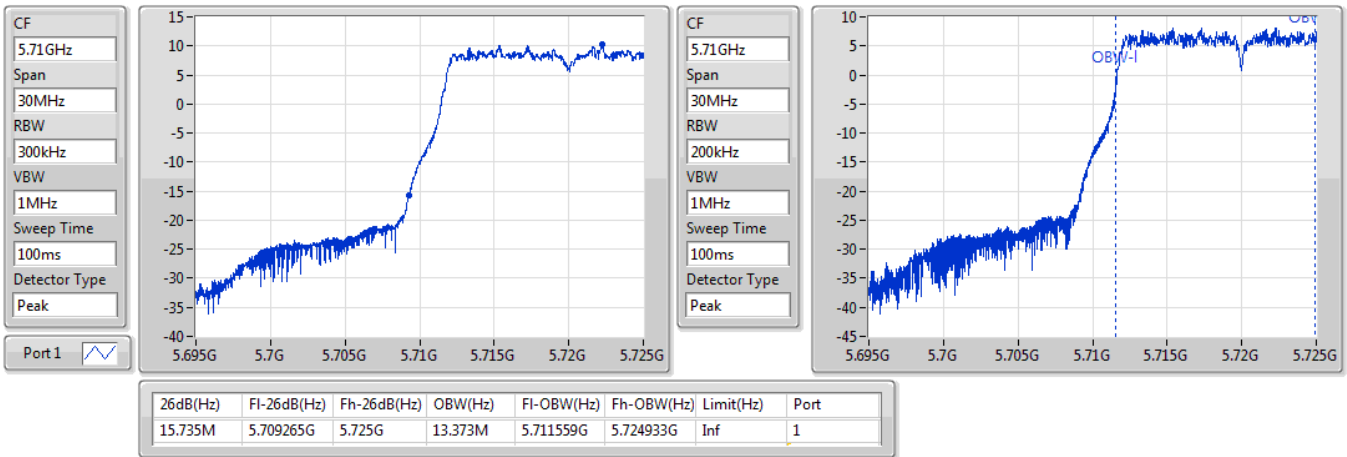
5700MHz

29/11/2019

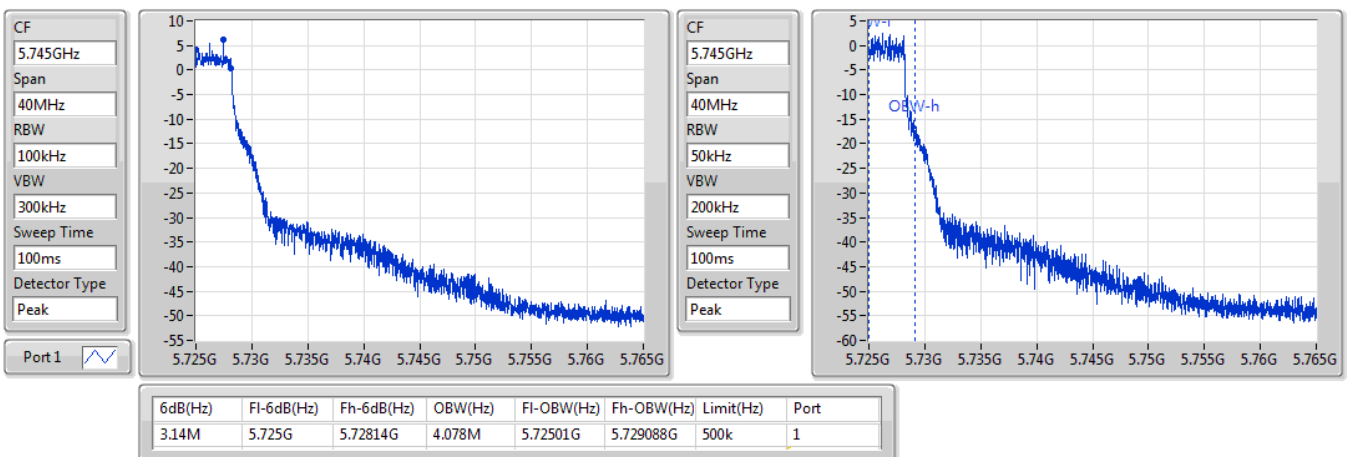


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

29/11/2019

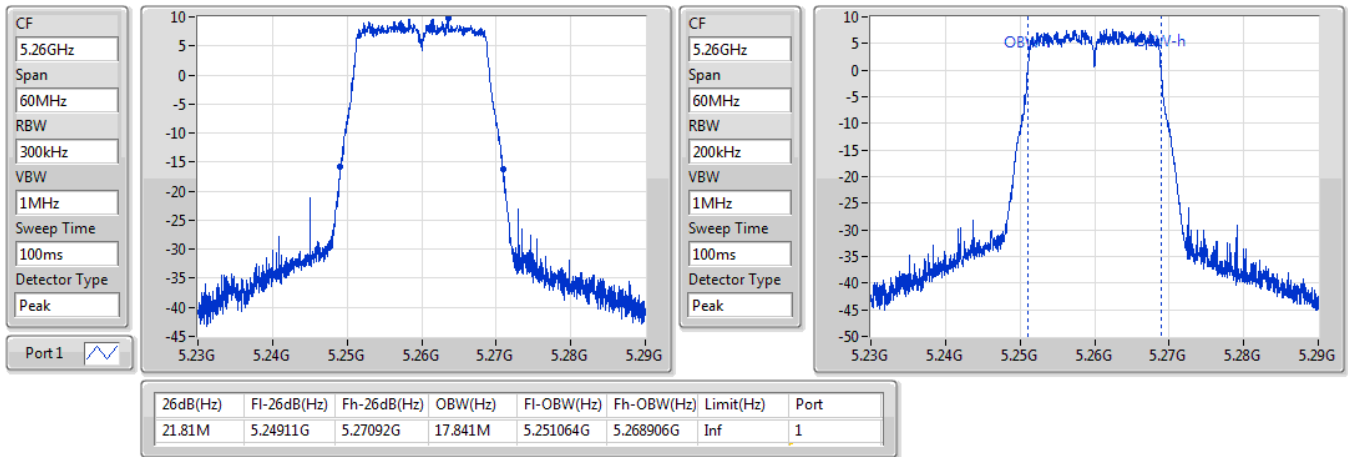

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5720MHz Straddle 5.725-5.85GHz**

29/11/2019

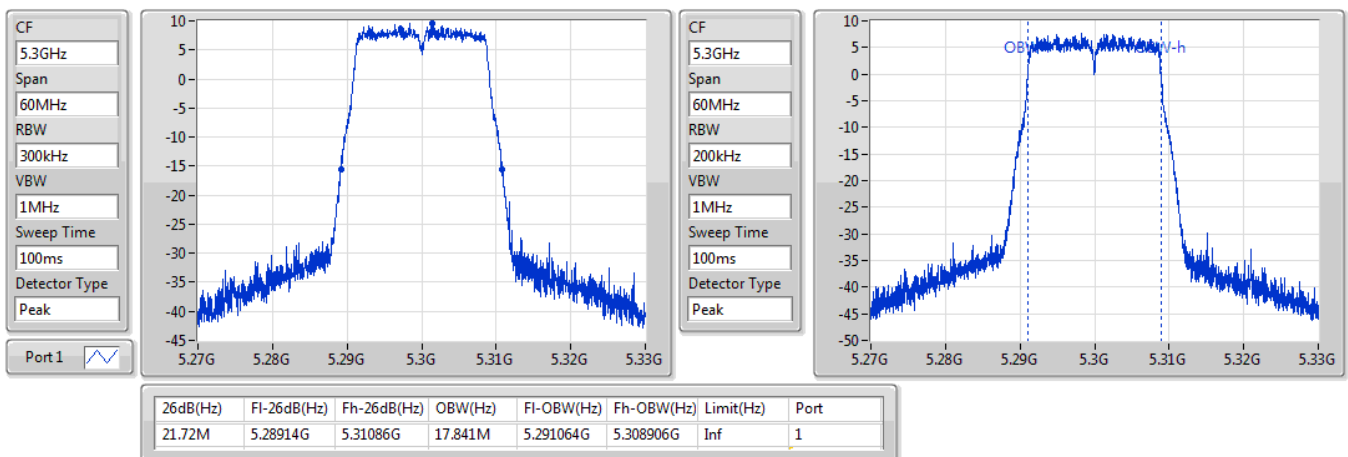


**802.11ac VHT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5260MHz**

29/11/2019


**802.11ac VHT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5300MHz**

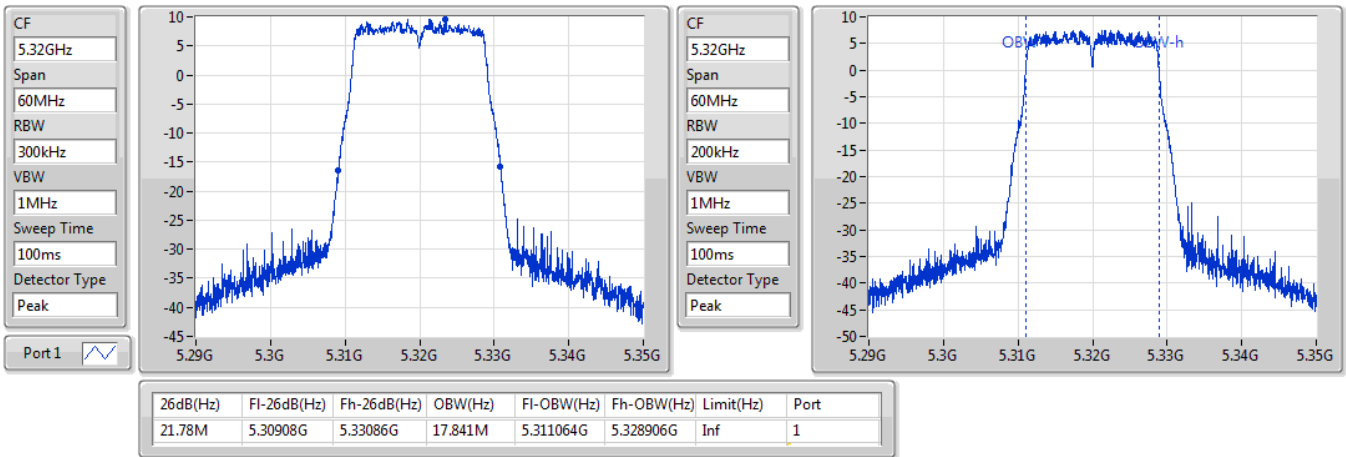
29/11/2019



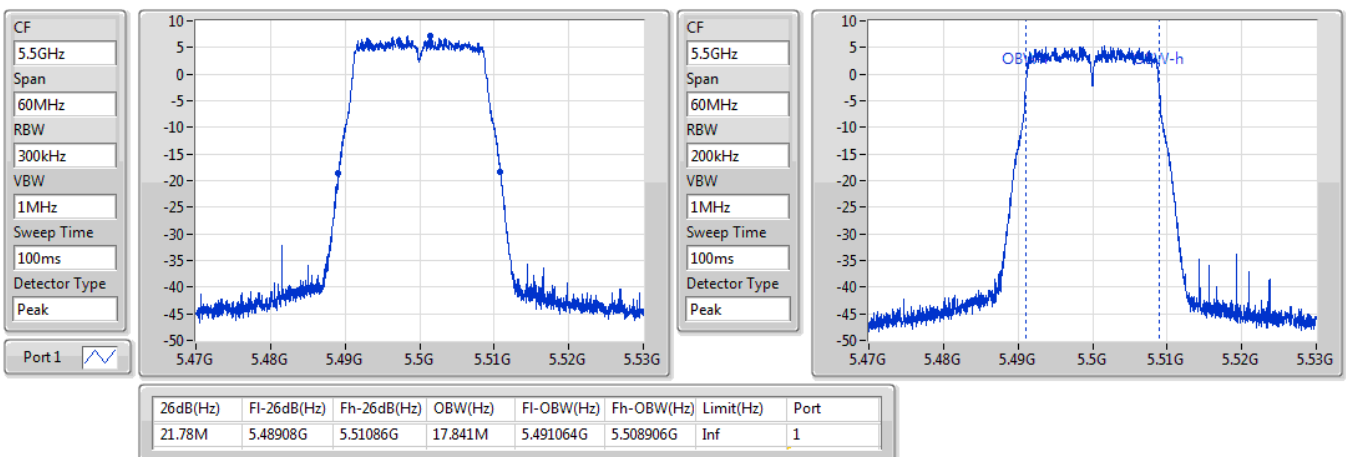


**802.11ac VHT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5320MHz**

29/11/2019


**802.11ac VHT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5500MHz**

29/11/2019

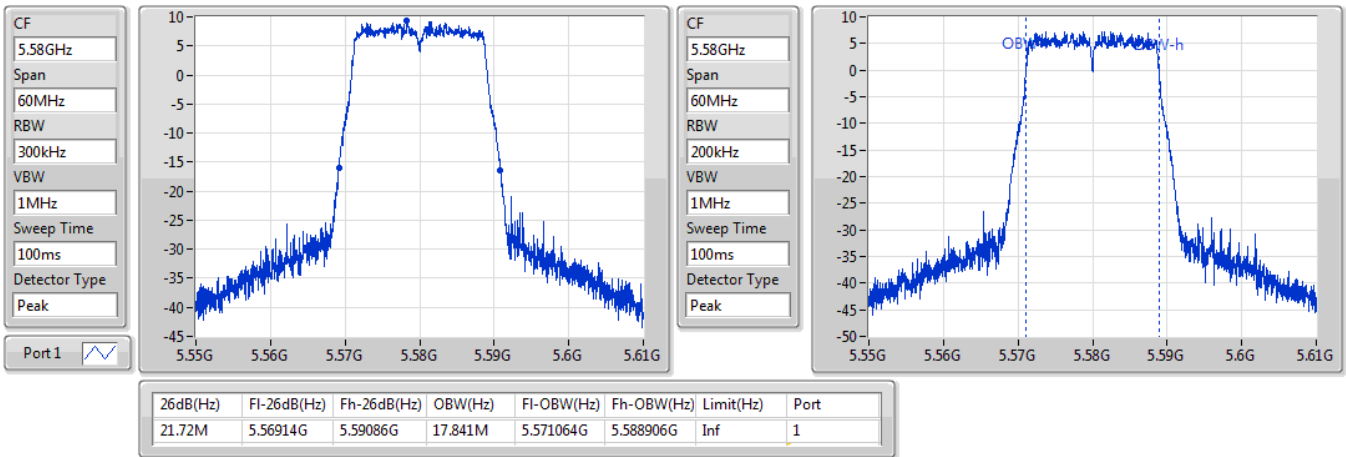


## 802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5580MHz

29/11/2019

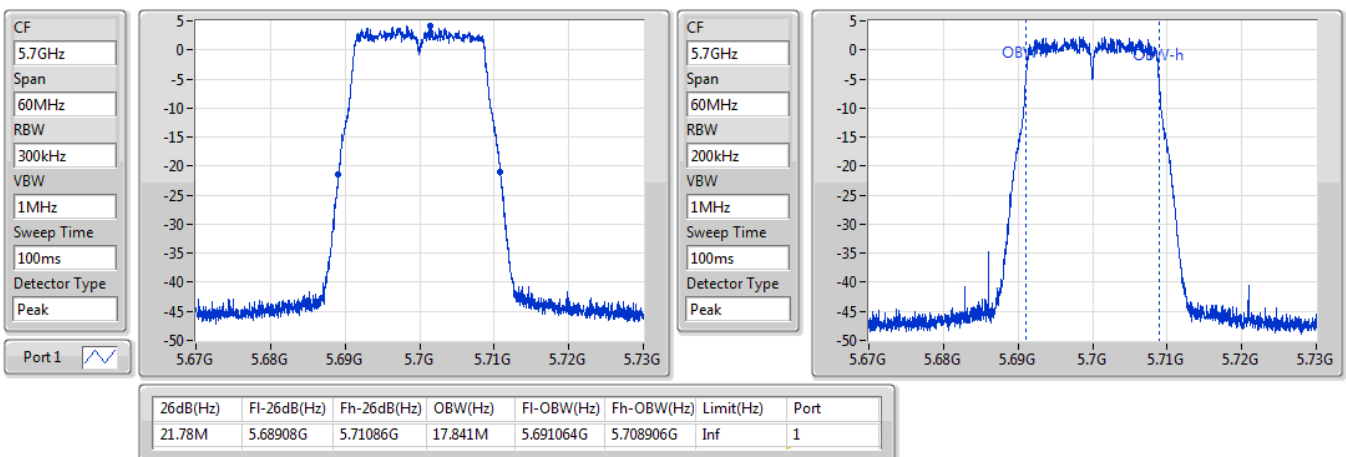


## 802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

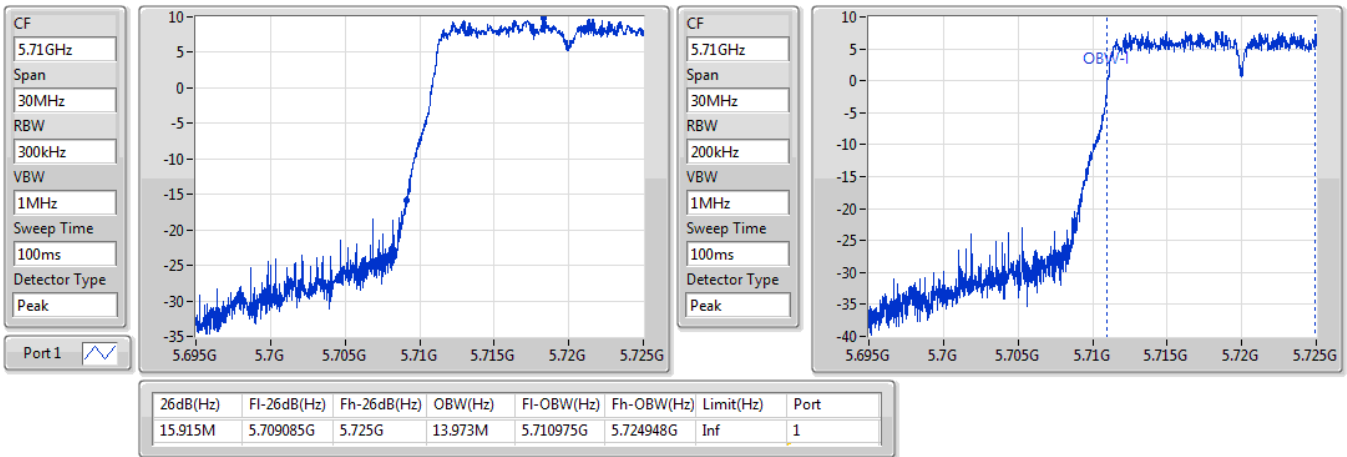
5700MHz

29/11/2019

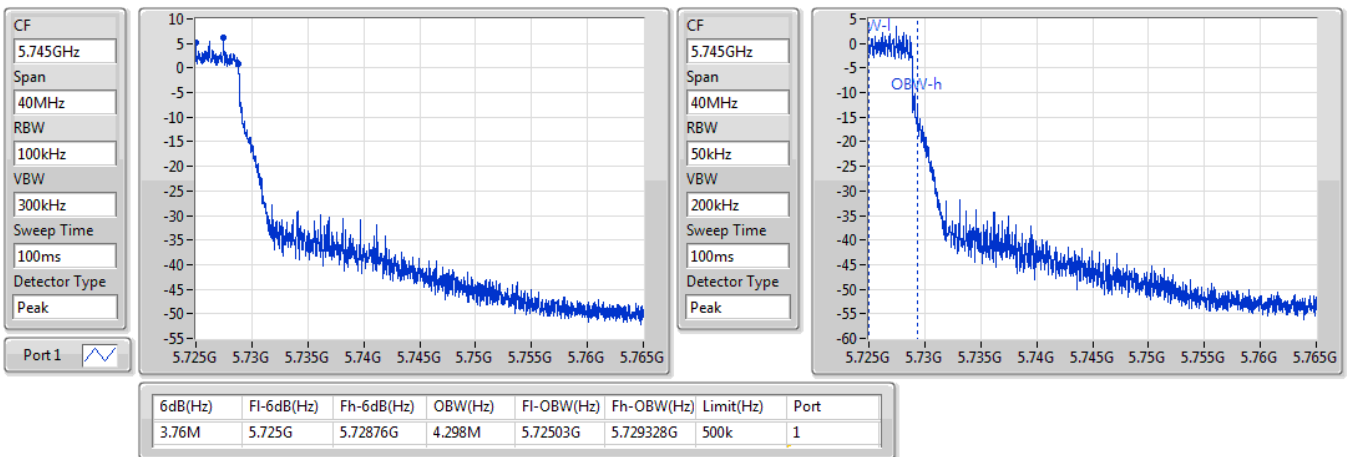


**802.11ac VHT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

29/11/2019


**802.11ac VHT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5720MHz Straddle 5.725-5.85GHz**

29/11/2019

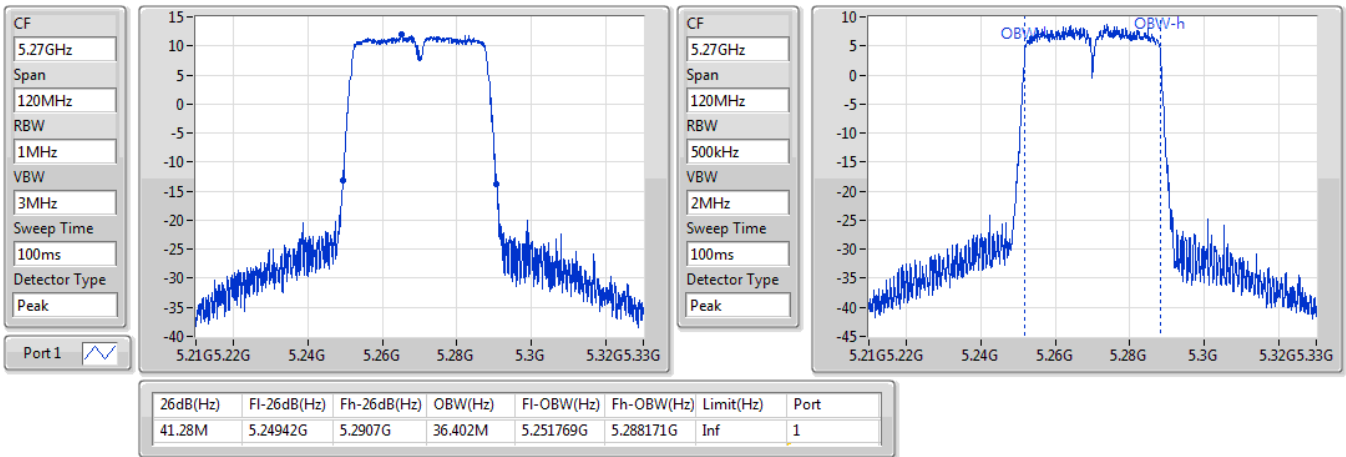


## 802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5270MHz

29/11/2019

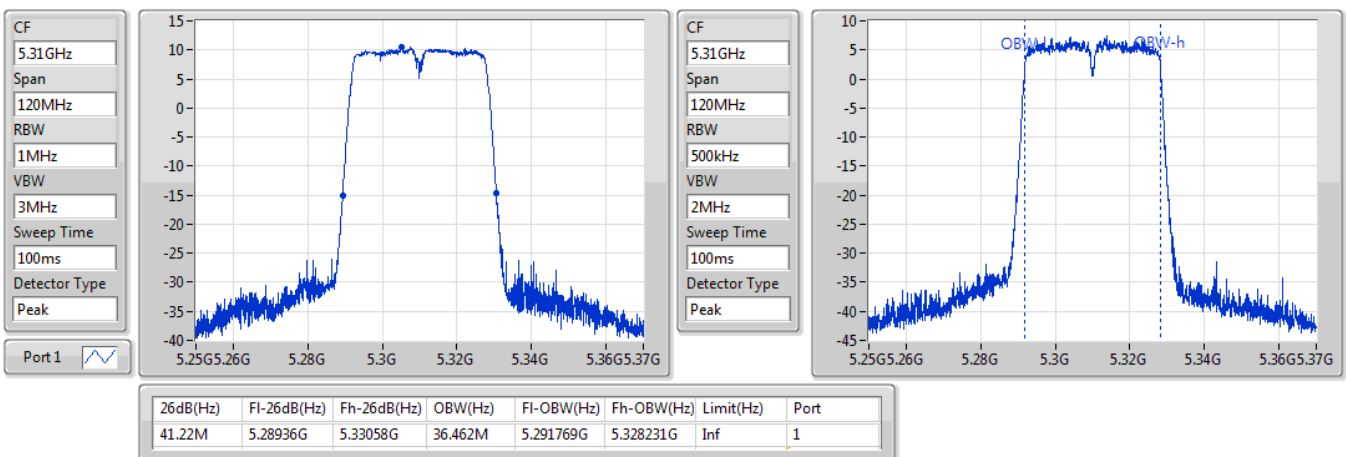


## 802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5310MHz

29/11/2019

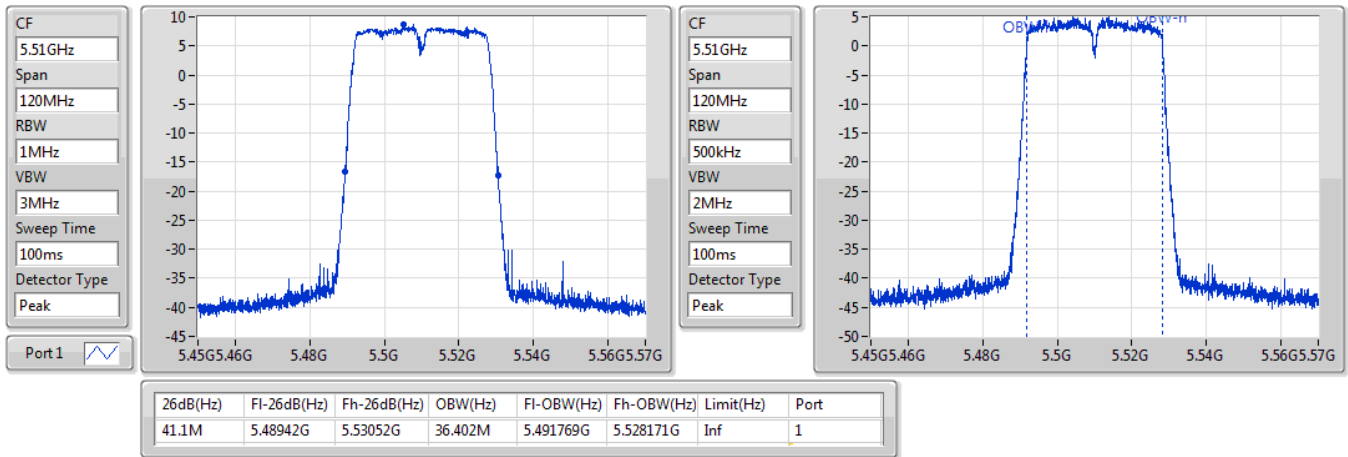


## 802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5510MHz

29/11/2019

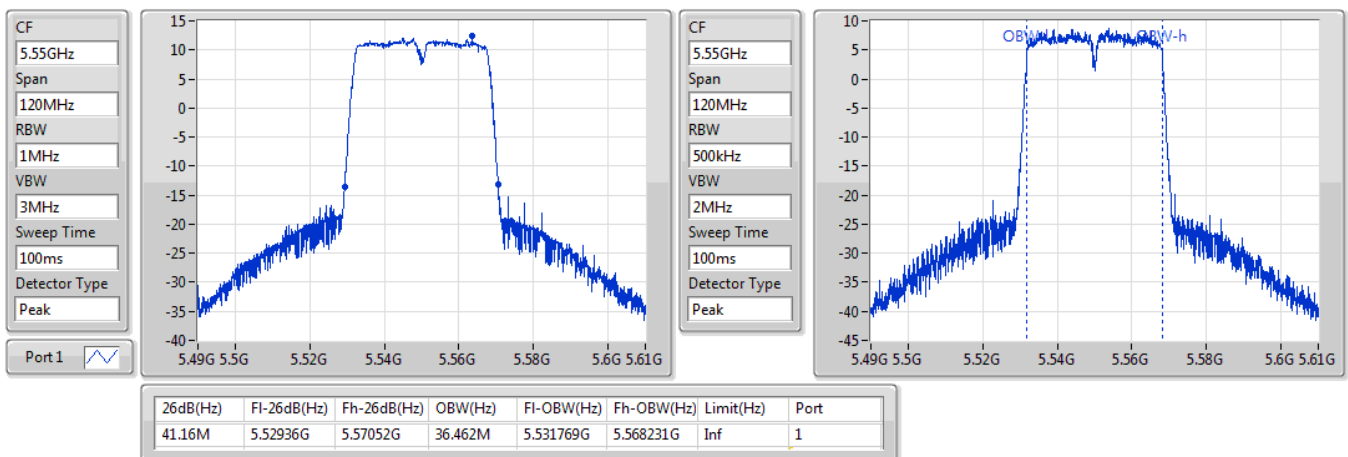


## 802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

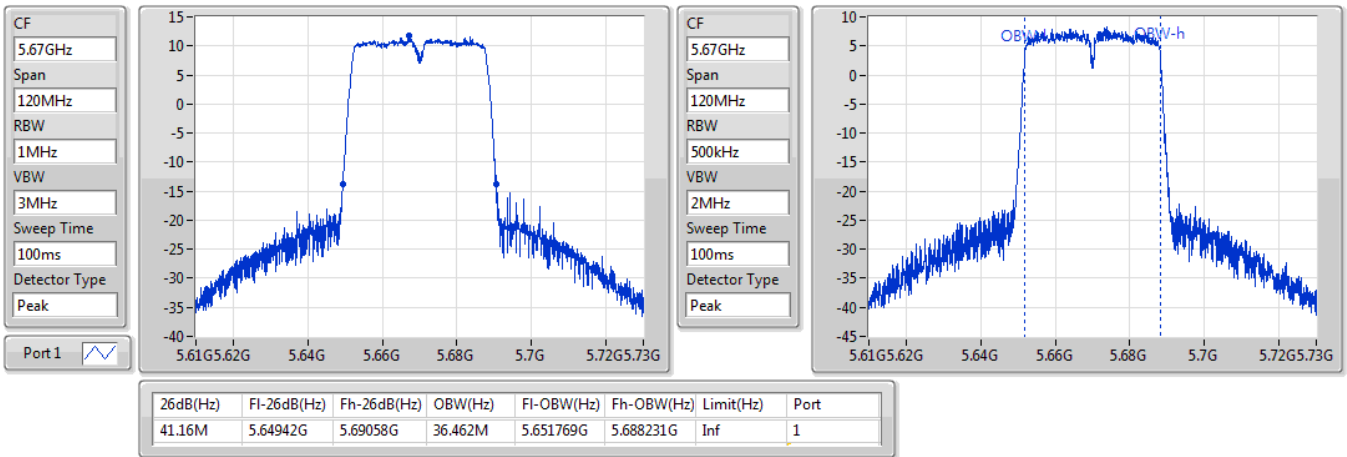
5550MHz

29/11/2019

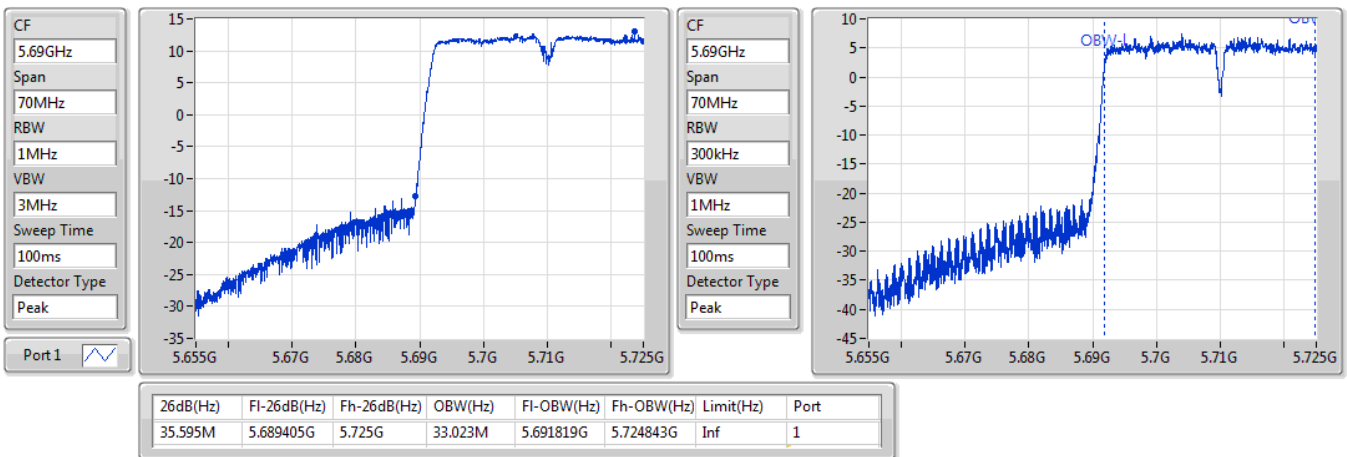


**802.11ac VHT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5670MHz**

29/11/2019

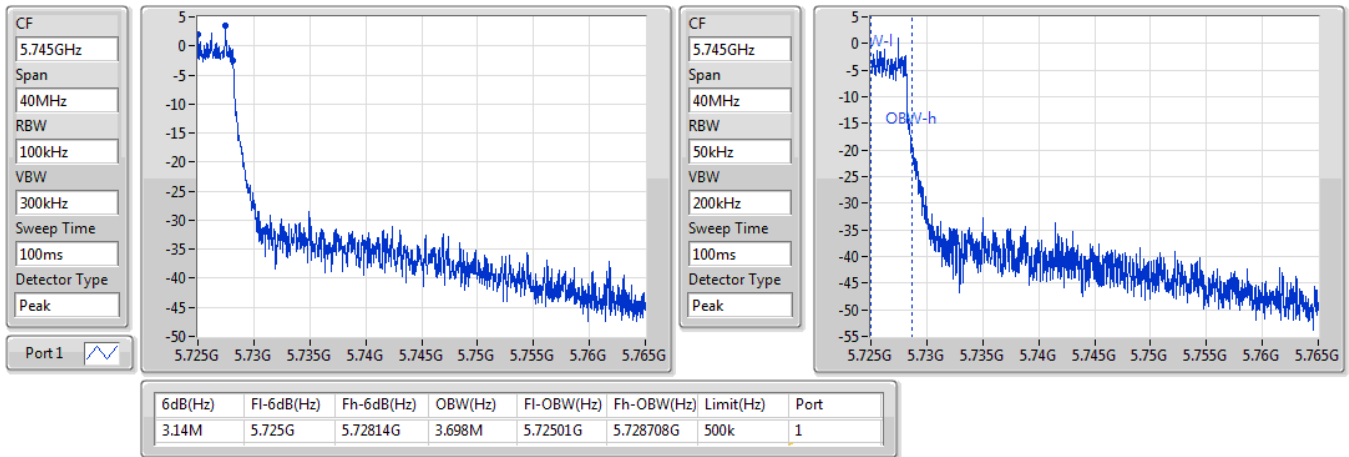

**802.11ac VHT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5710MHz Straddle 5.47-5.725GHz**

29/11/2019

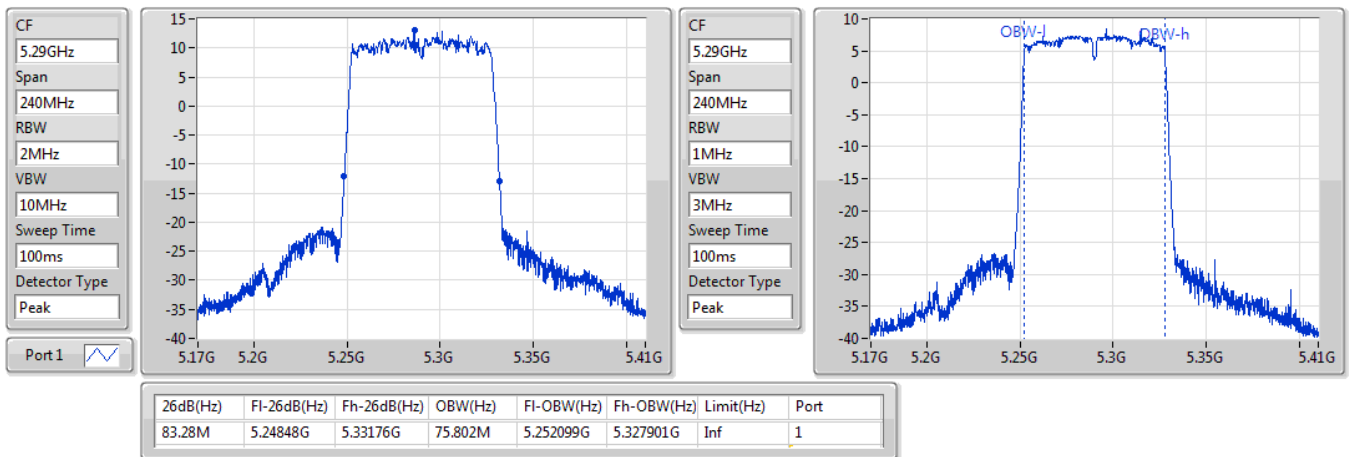


**802.11ac VHT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5710MHz Straddle 5.725-5.85GHz**

29/11/2019


**802.11ac VHT80\_Nss1,(MCS0)\_1TX**
**EBW**
**5290MHz**

29/11/2019

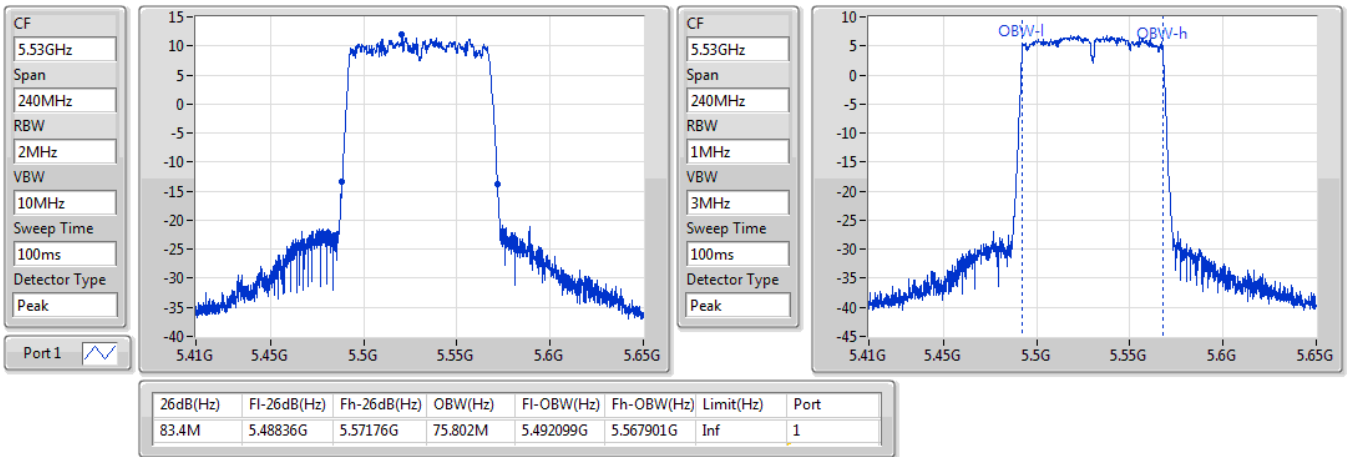


## 802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5530MHz

29/11/2019

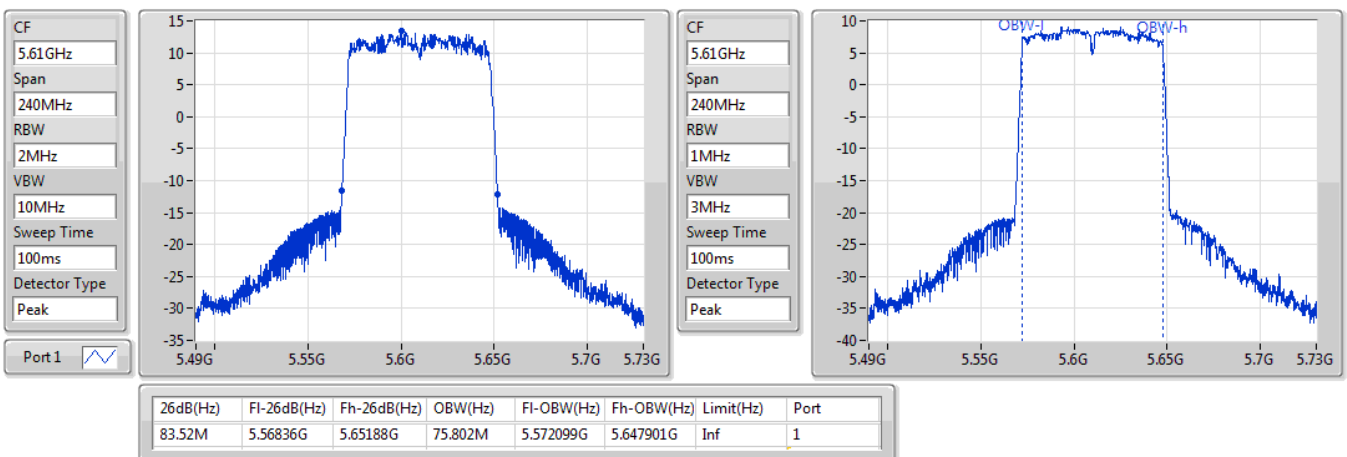


## 802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5610MHz

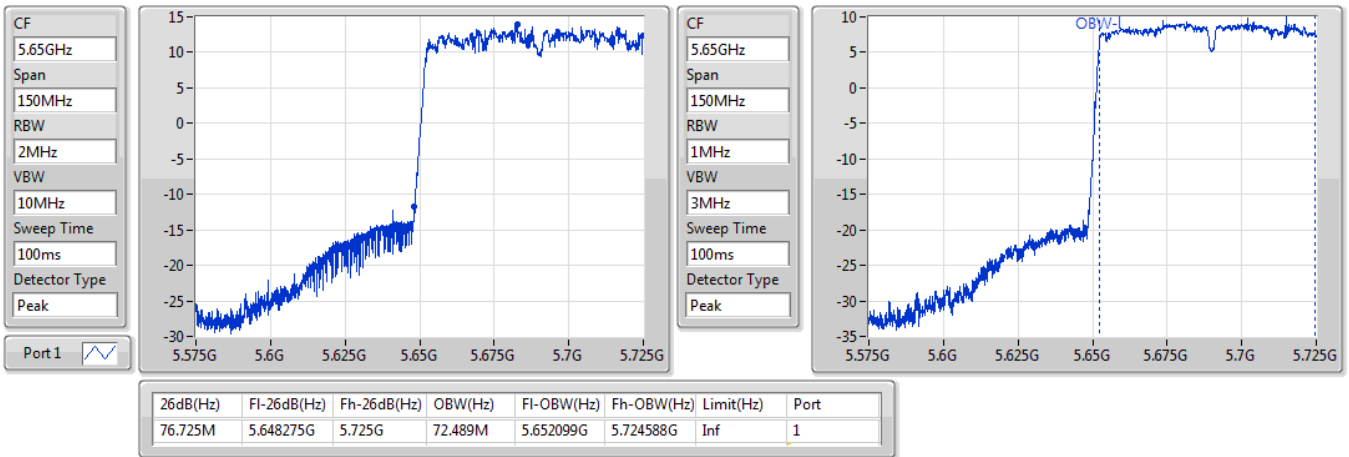
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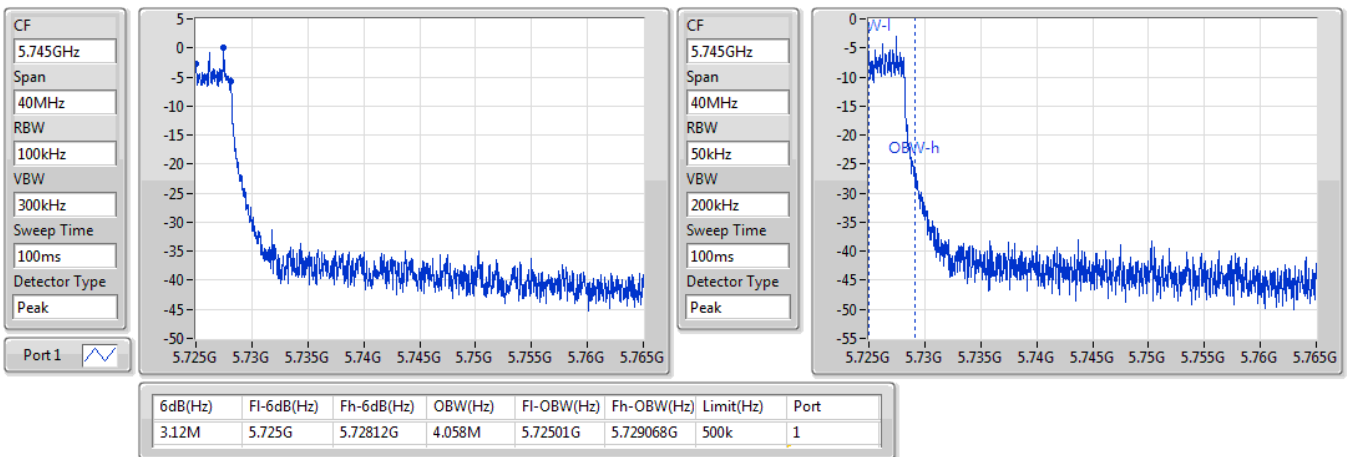


**802.11ac VHT80\_Nss1,(MCS0)\_1TX**
**EBW**
**5690MHz Straddle 5.47-5.725GHz**

29/11/2019


**802.11ac VHT80\_Nss1,(MCS0)\_1TX**
**EBW**
**5690MHz Straddle 5.725-5.85GHz**

29/11/2019

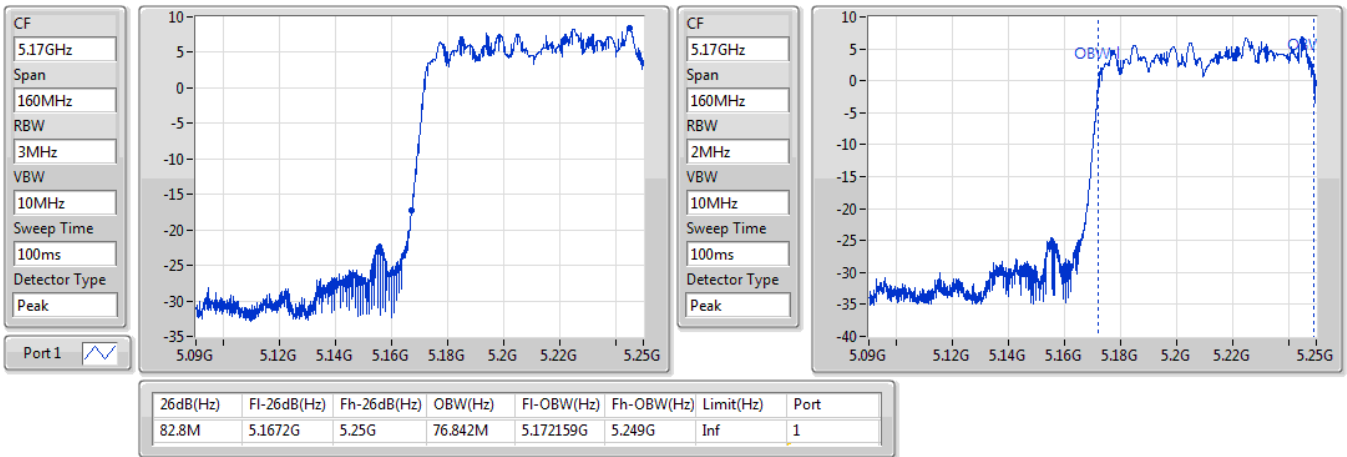


## 802.11ac VHT160\_Nss1,(MCS0)\_1TX

EBW

### 5250MHz Straddle 5.15-5.25GHz

04/12/2019

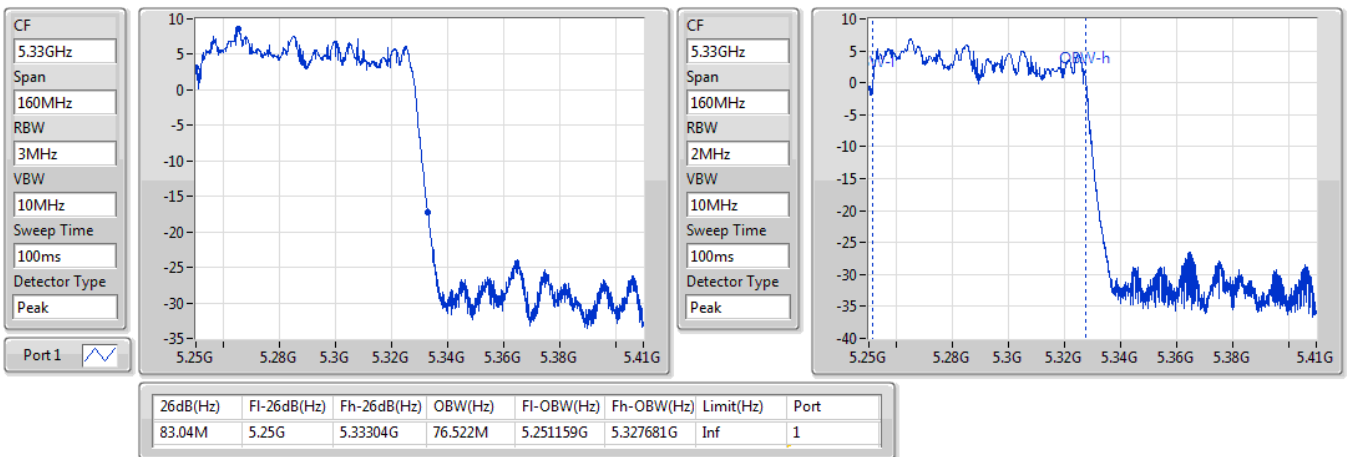


## 802.11ac VHT160\_Nss1,(MCS0)\_1TX

EBW

### 5250MHz Straddle 5.25-5.35GHz

04/12/2019

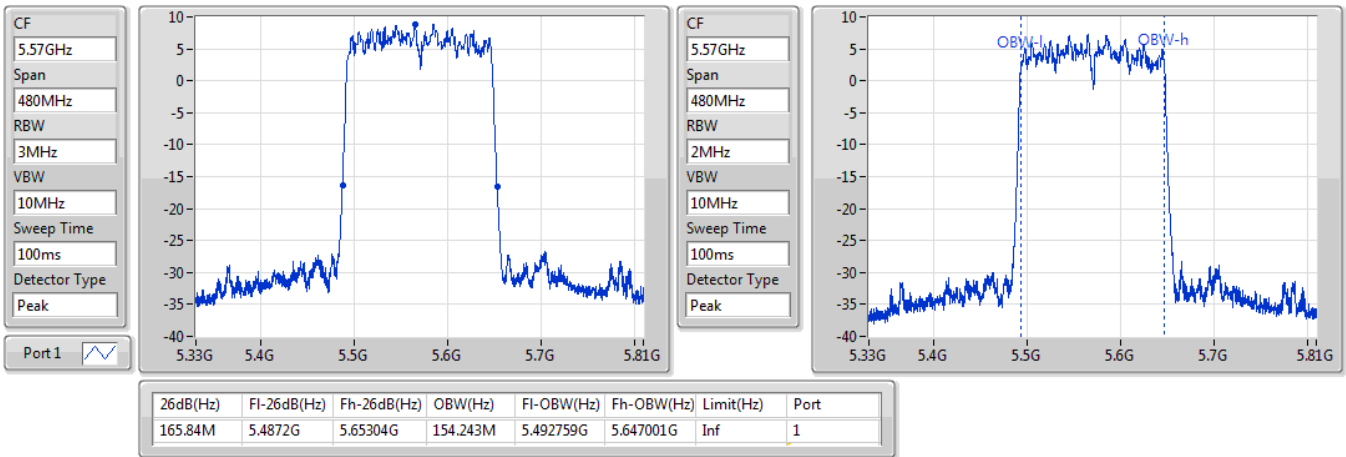


## 802.11ac VHT160\_Nss1,(MCS0)\_1TX

EBW

5570MHz

29/11/2019

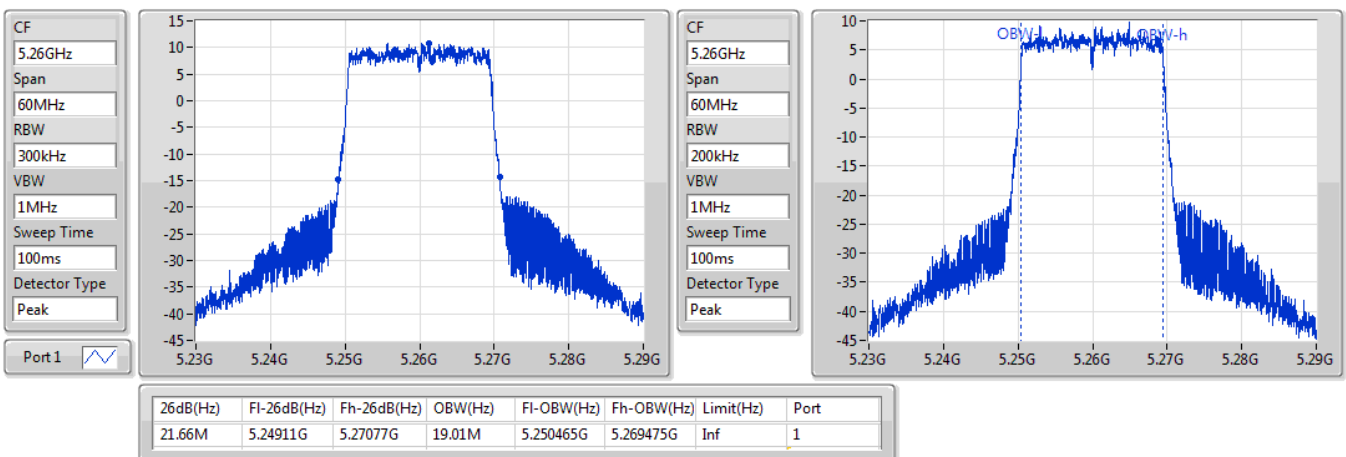


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

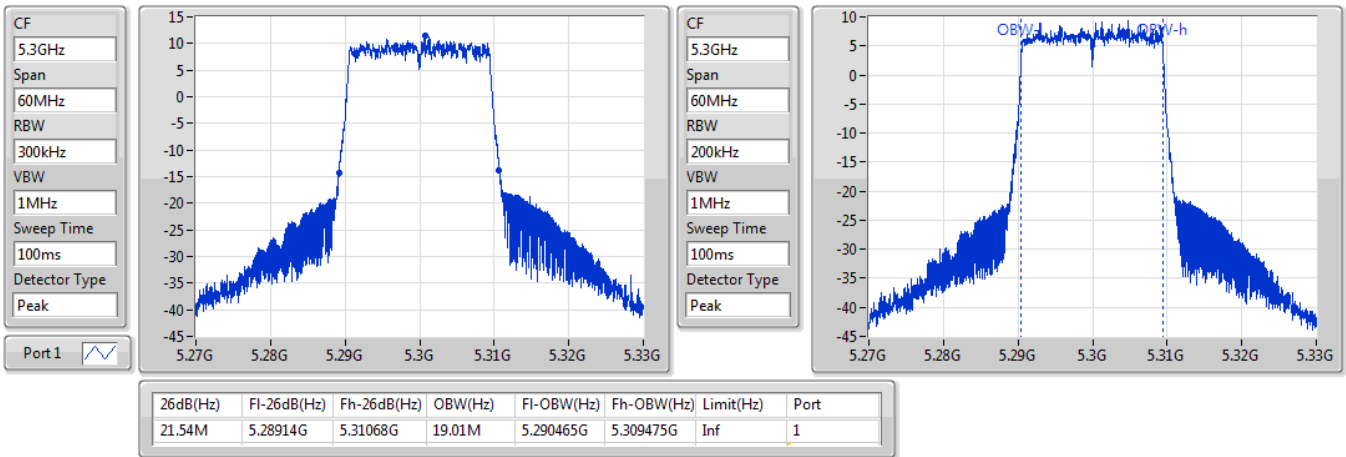
5260MHz

29/11/2019

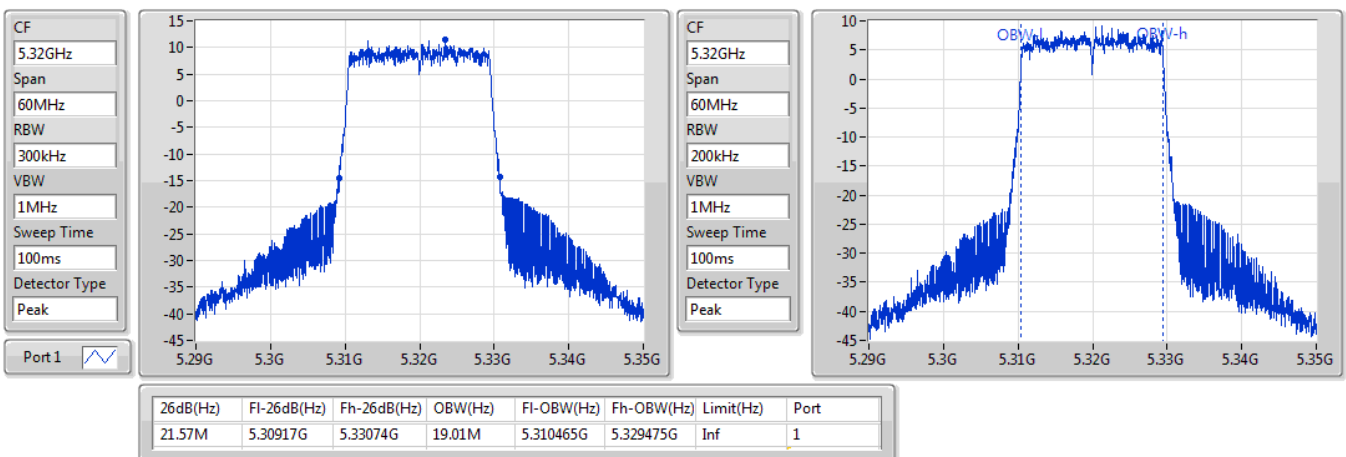


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**5300MHz**

29/11/2019

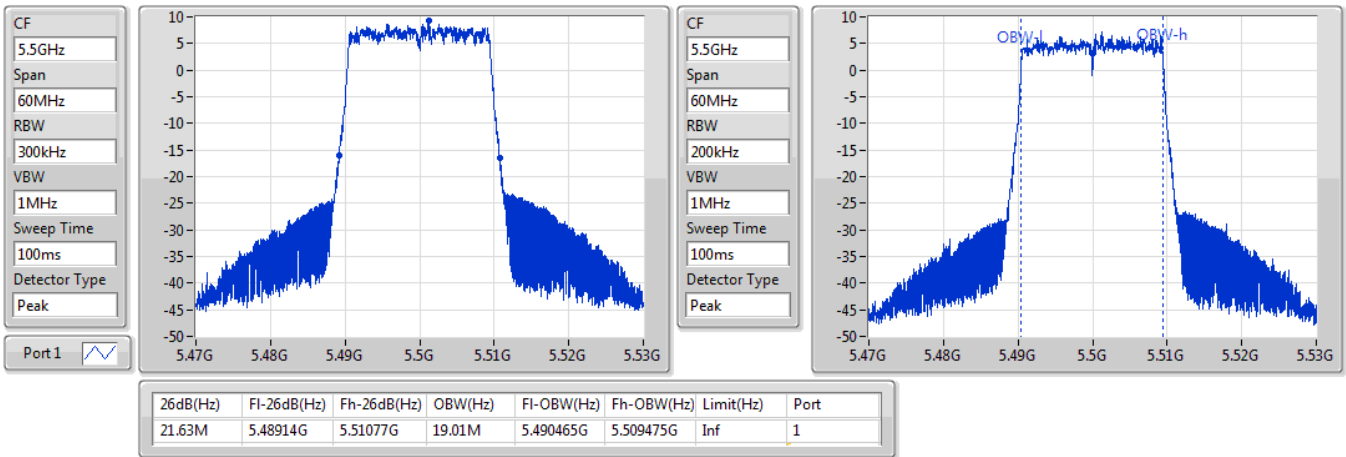

**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**5320MHz**

29/11/2019

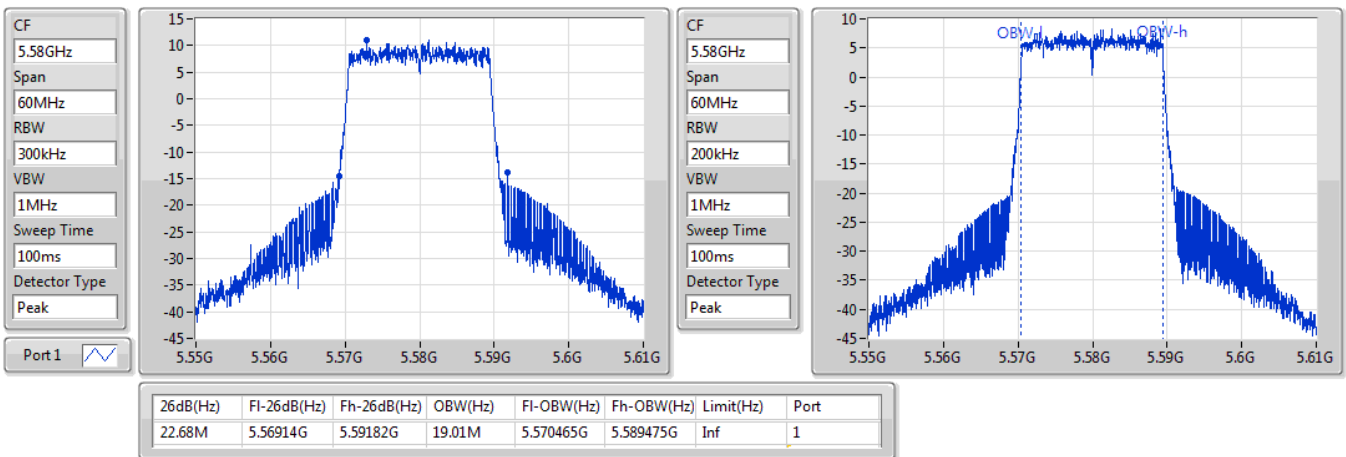


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**5500MHz**

29/11/2019

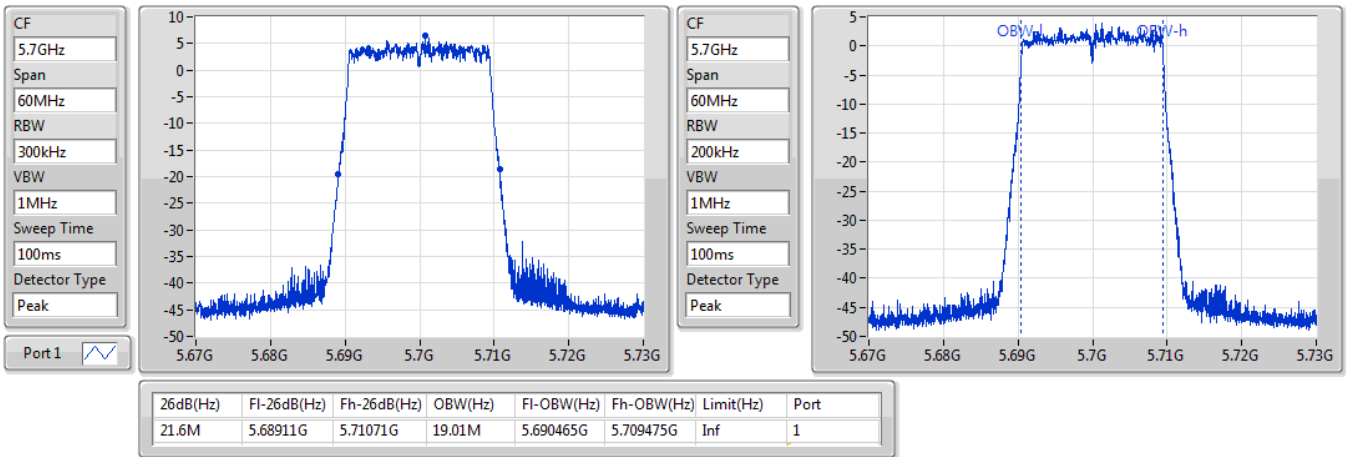

**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**5580MHz**

29/11/2019

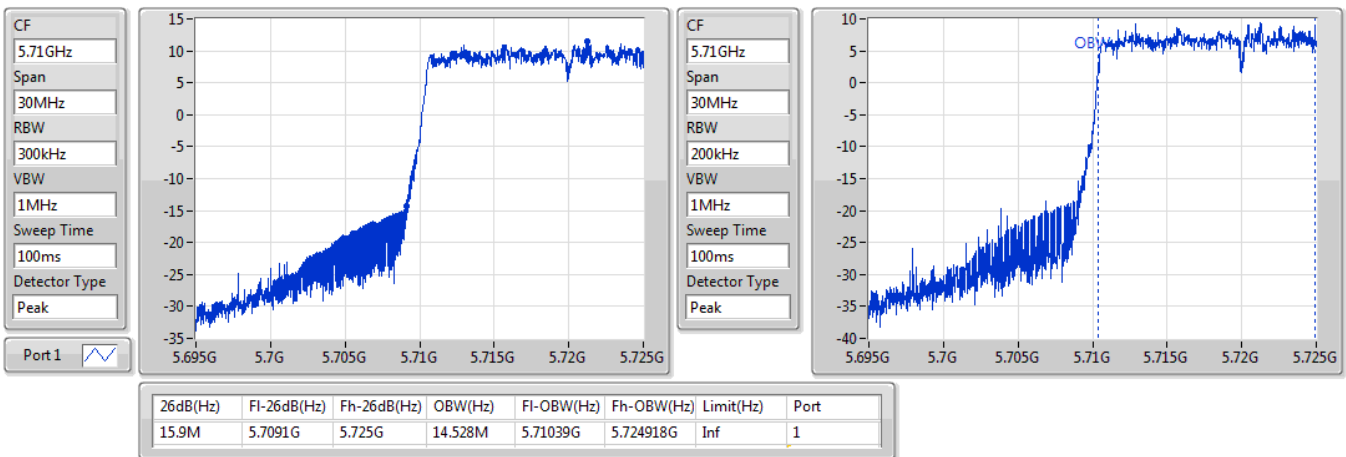


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**5700MHz**

29/11/2019


**802.11ax HEW20\_Nss1,(MCS0)\_1TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

29/11/2019

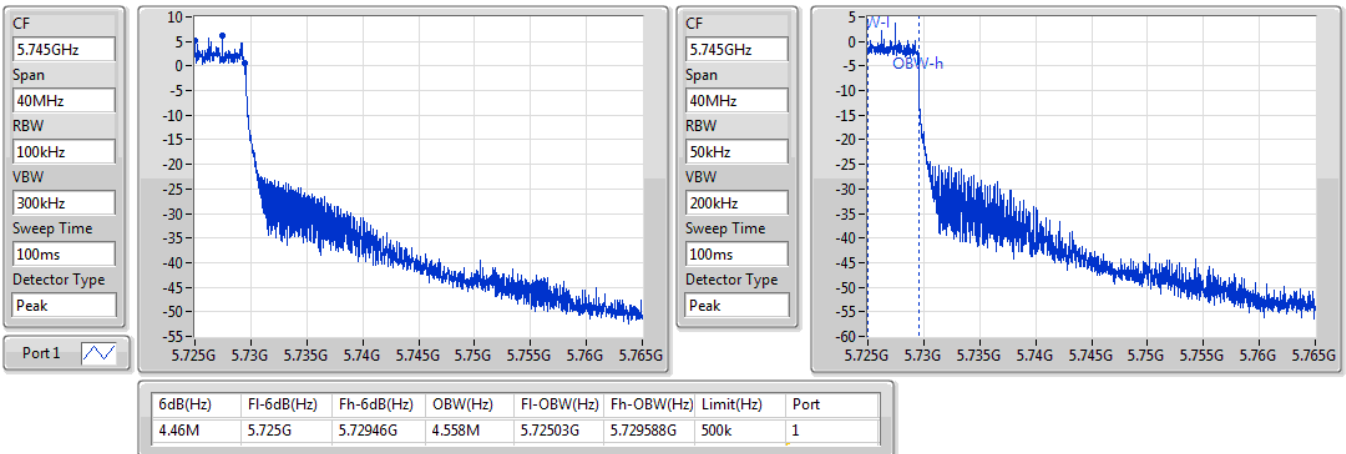


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

29/11/2019

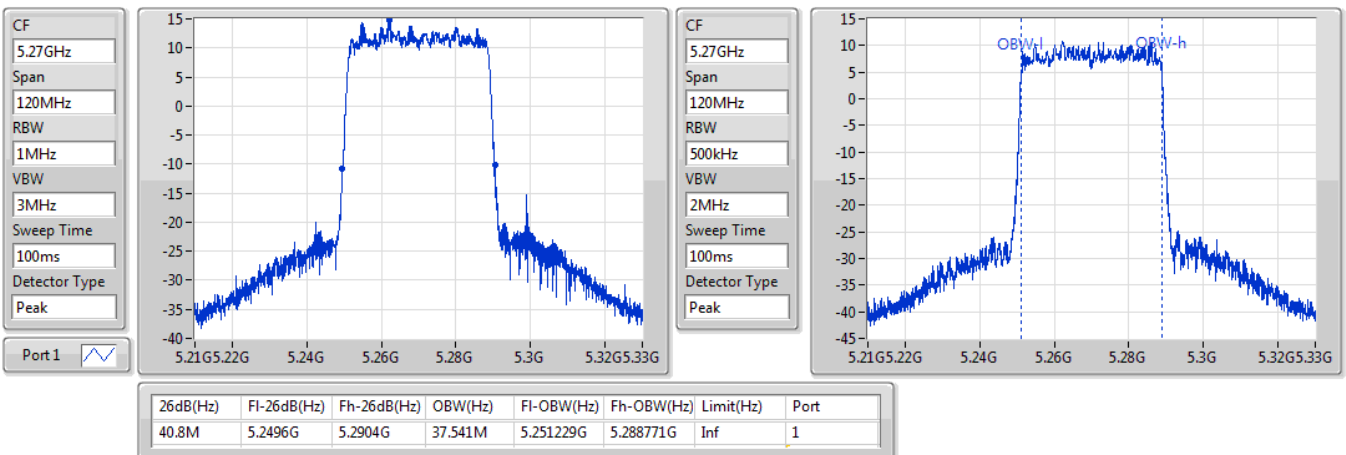


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5270MHz

29/11/2019

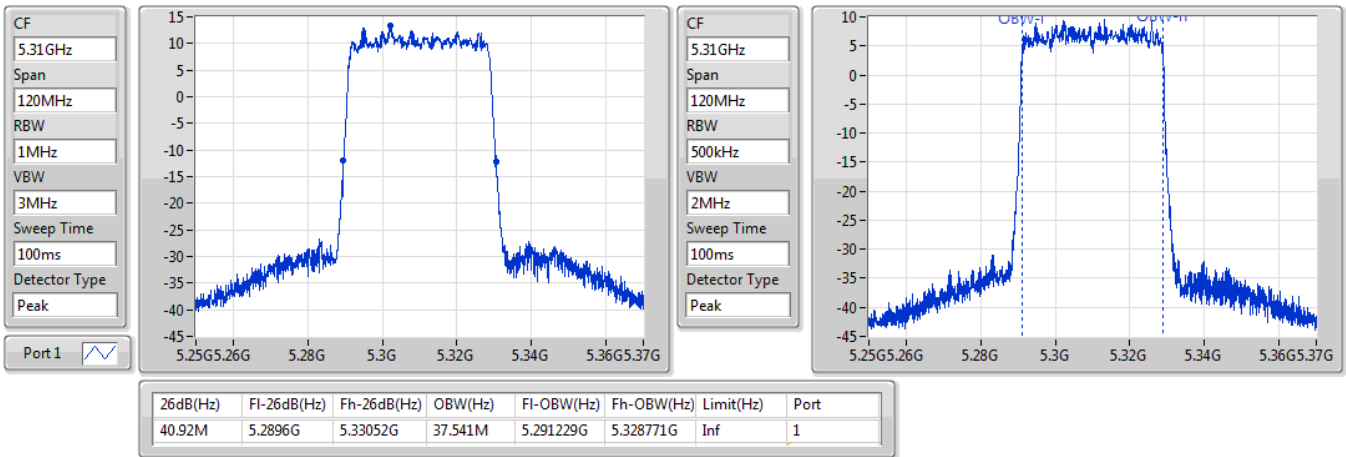


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5310MHz

29/11/2019

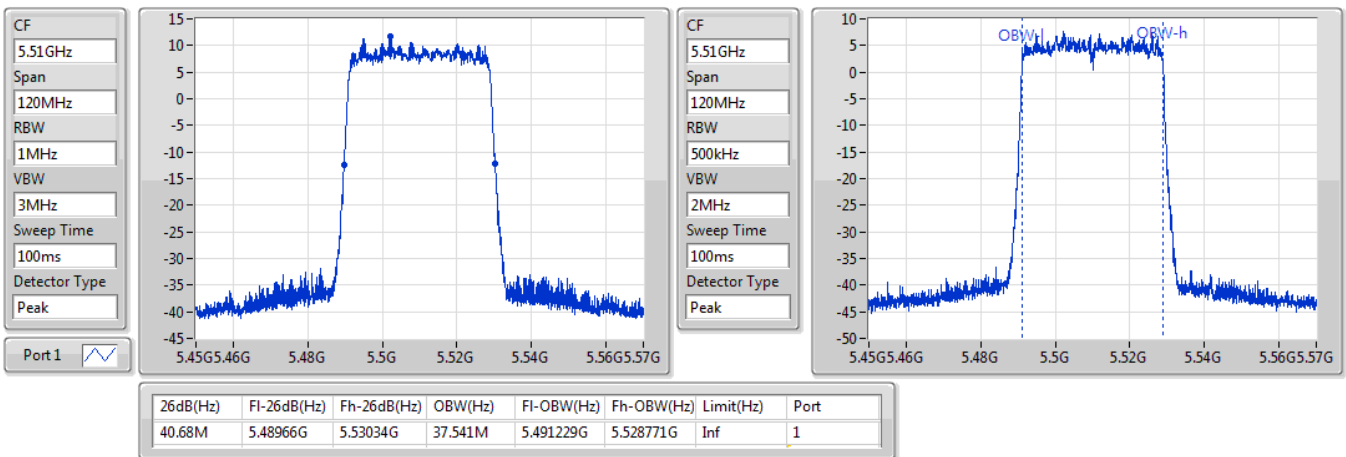


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5510MHz

29/11/2019



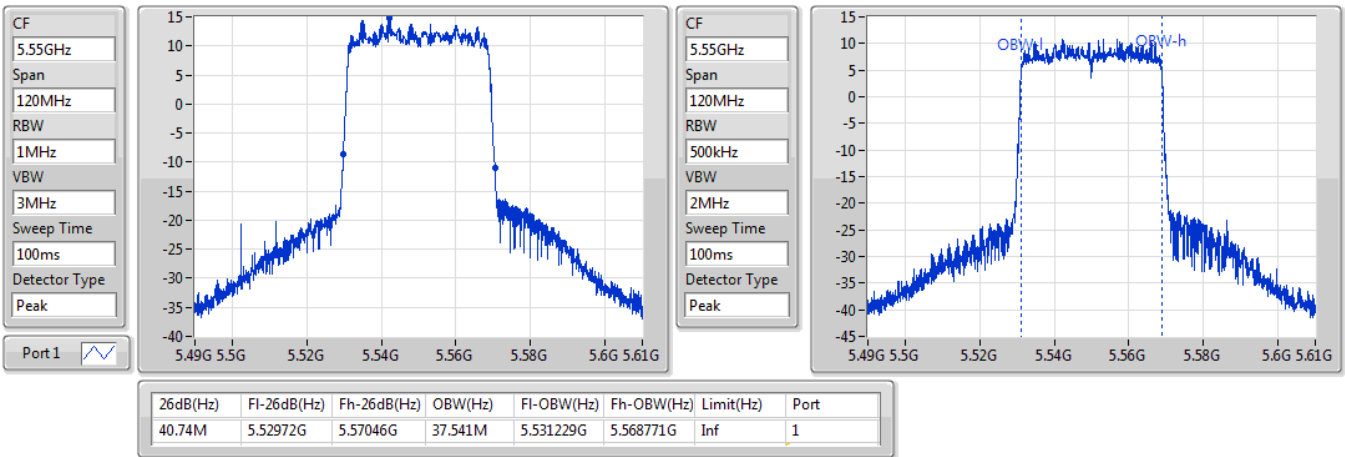


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5550MHz

29/11/2019

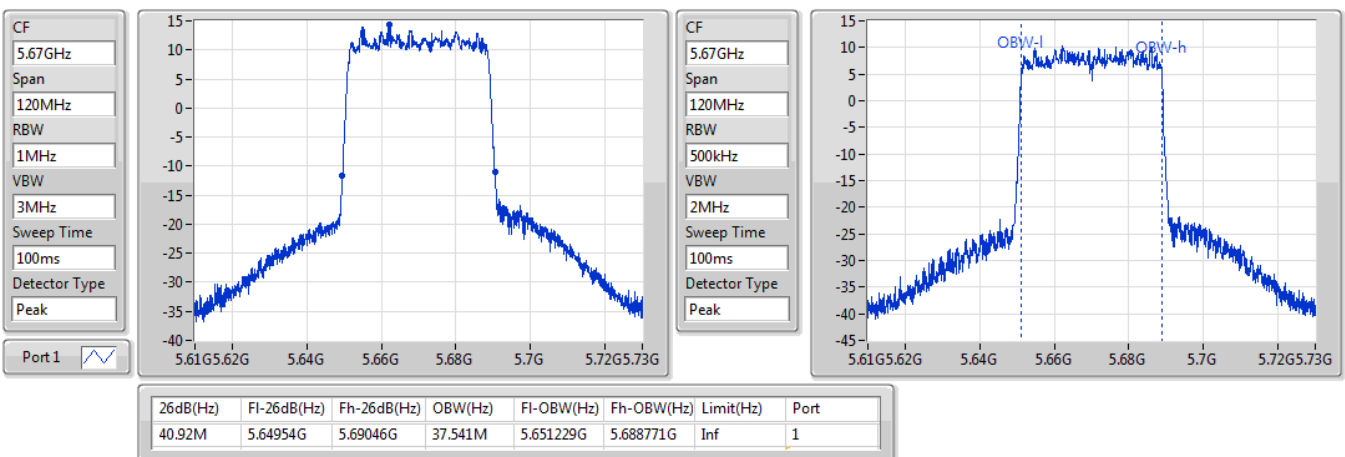


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5670MHz

29/11/2019

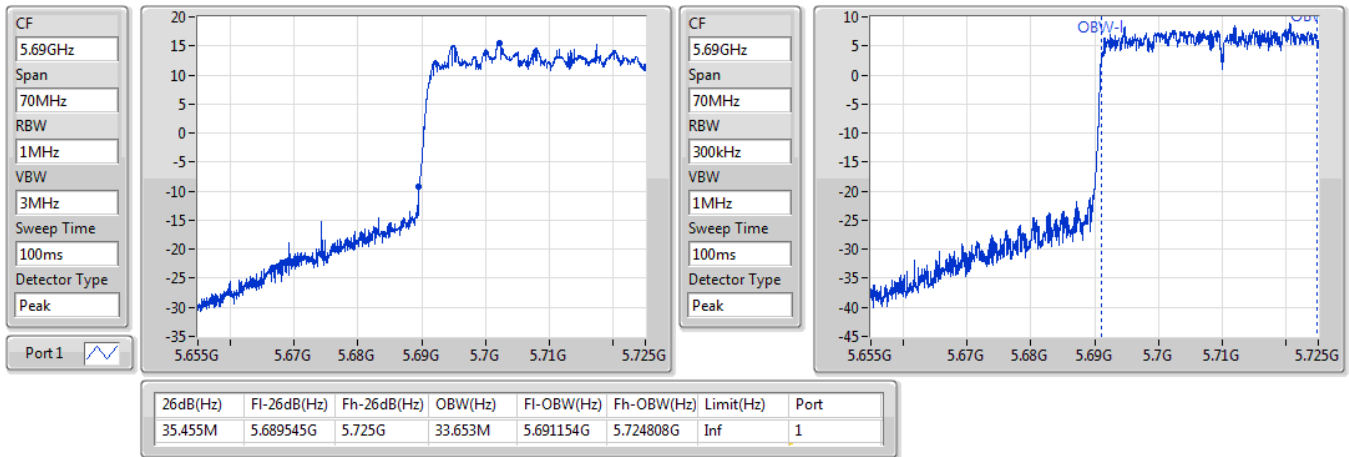


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

### 5710MHz Straddle 5.47-5.725GHz

29/11/2019

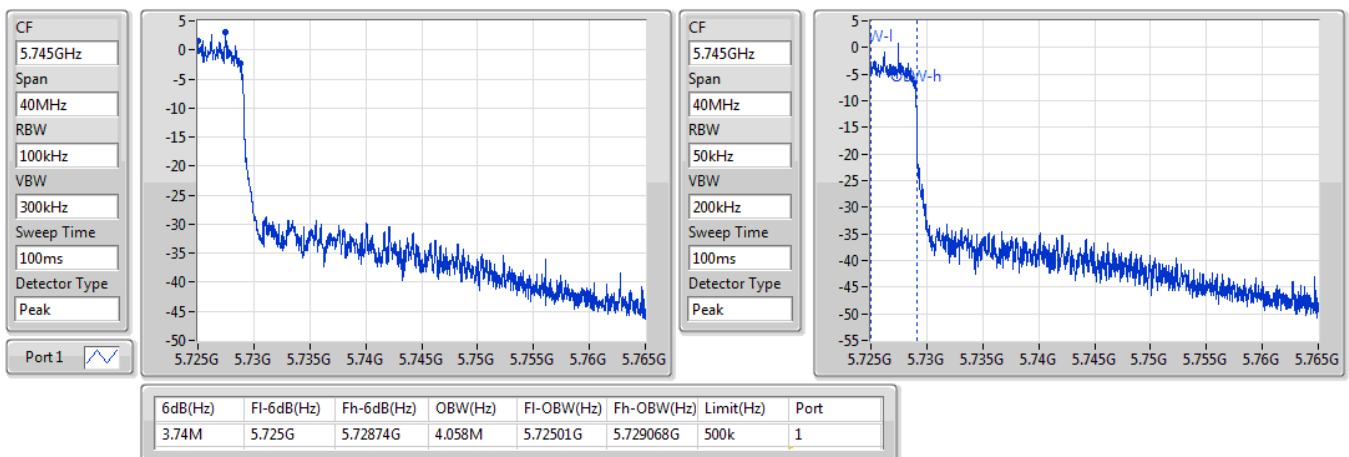


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

### 5710MHz Straddle 5.725-5.85GHz

29/11/2019

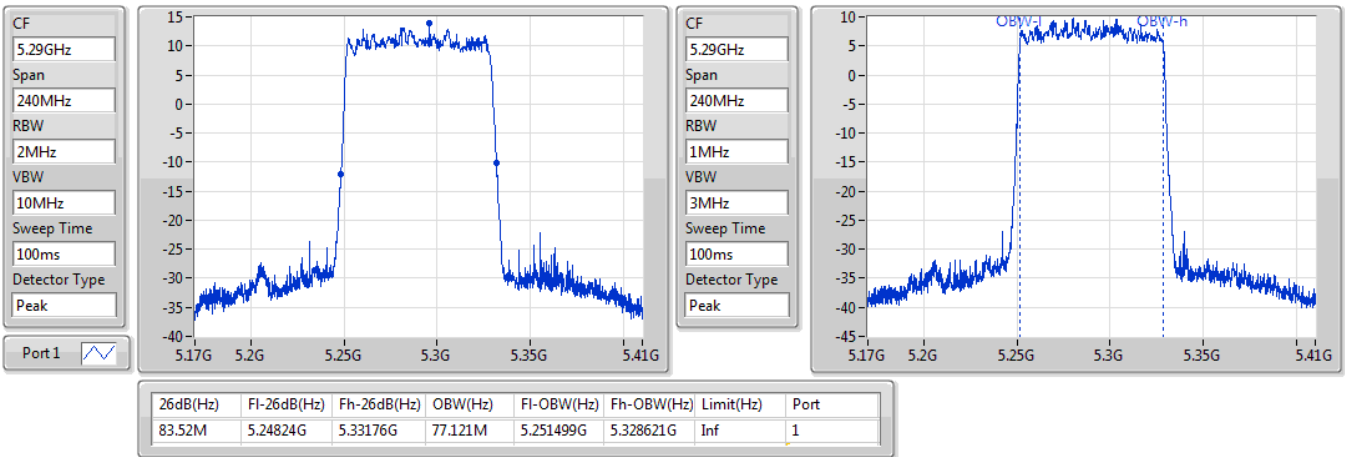


## 802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

5290MHz

29/11/2019

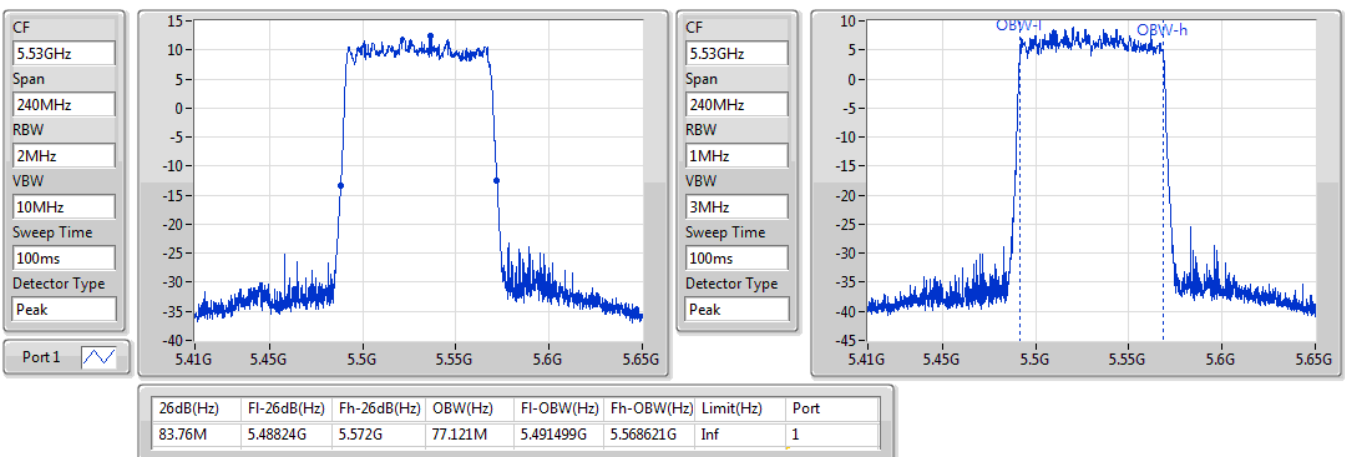


## 802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

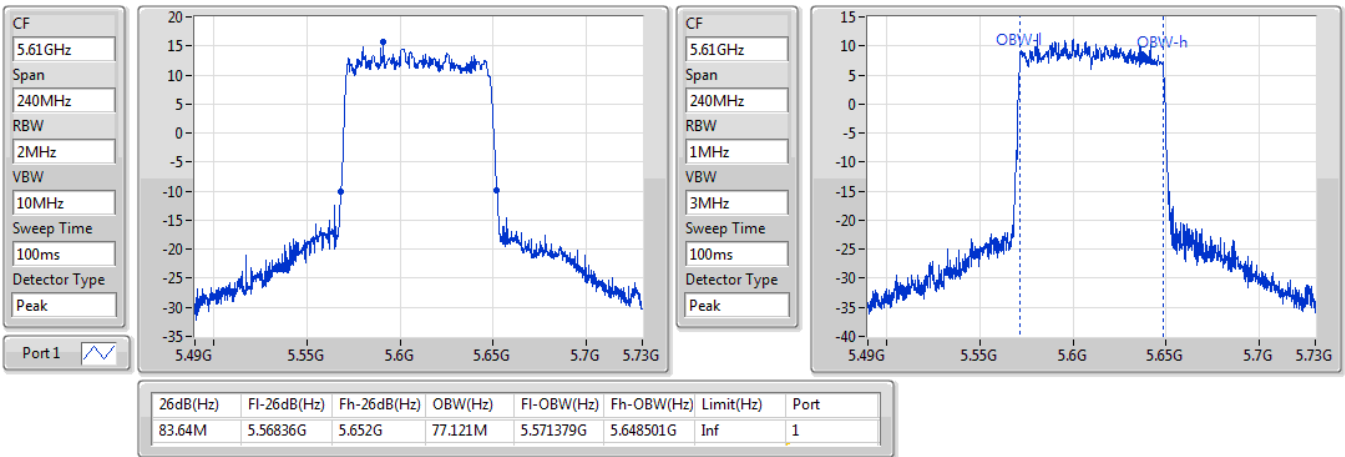
5530MHz

29/11/2019

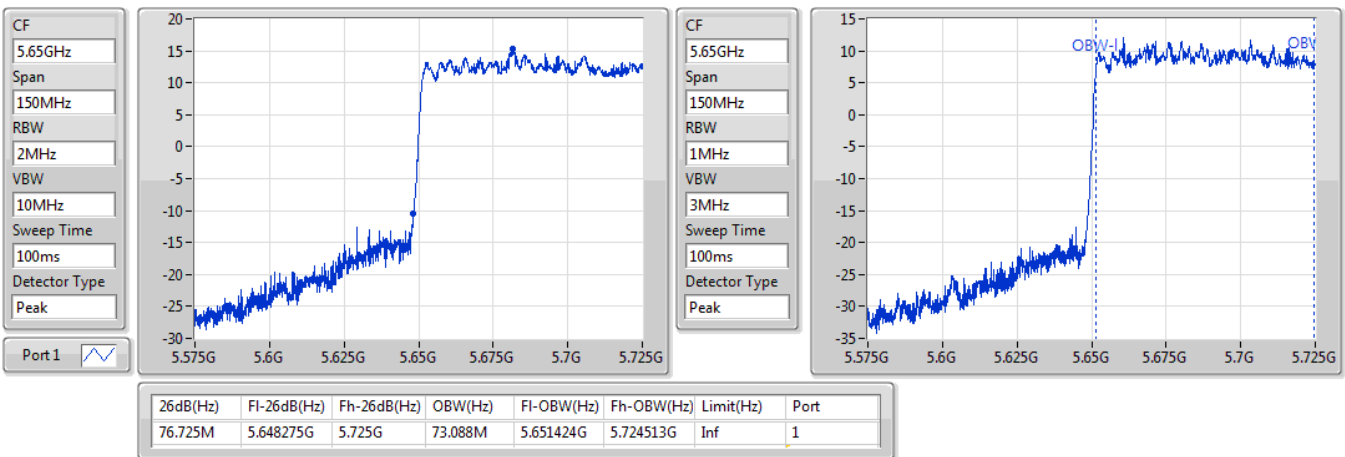


**802.11ax HEW80\_Nss1,(MCS0)\_1TX**
**EBW**
**5610MHz**

29/11/2019

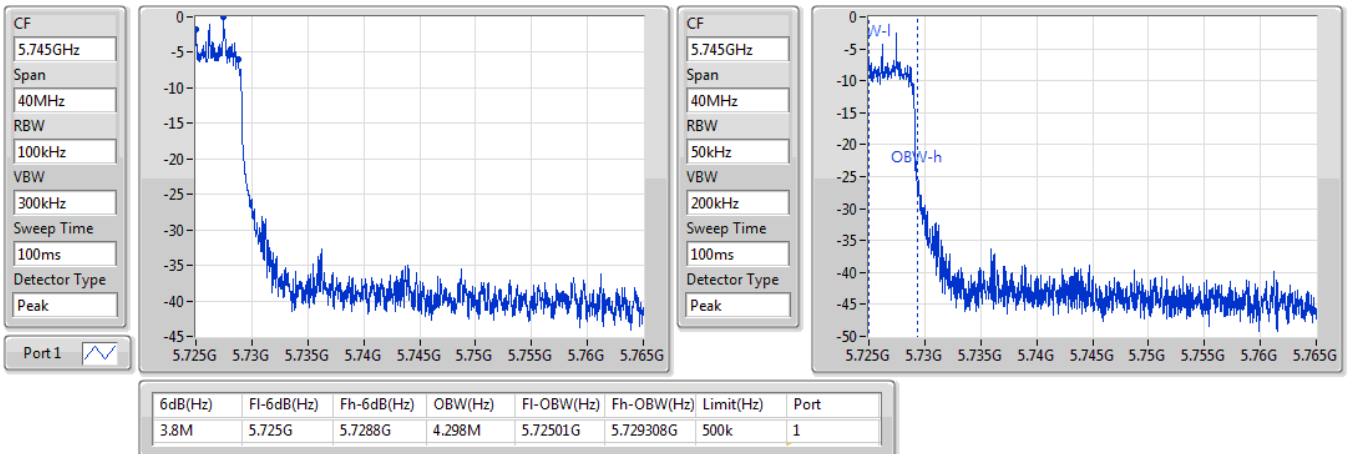

**802.11ax HEW80\_Nss1,(MCS0)\_1TX**
**EBW**
**5690MHz Straddle 5.47-5.725GHz**

29/11/2019

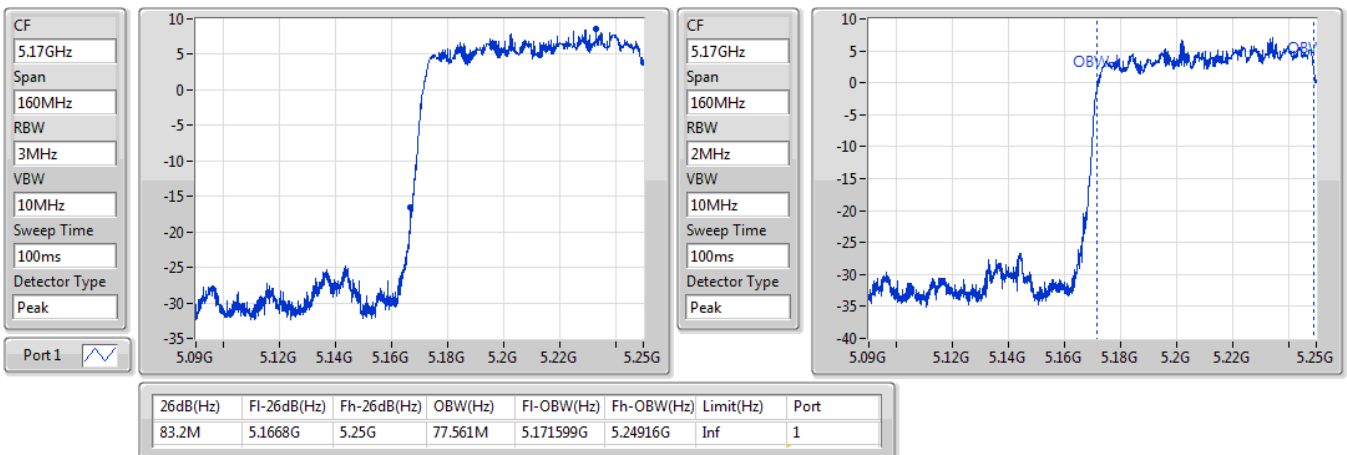


**802.11ax HEW80\_Nss1,(MCS0)\_1TX**
**EBW**
**5690MHz Straddle 5.725-5.85GHz**

29/11/2019


**802.11ax HEW160\_Nss1,(MCS0)\_1TX**
**EBW**
**5250MHz Straddle 5.15-5.25GHz**

04/12/2019

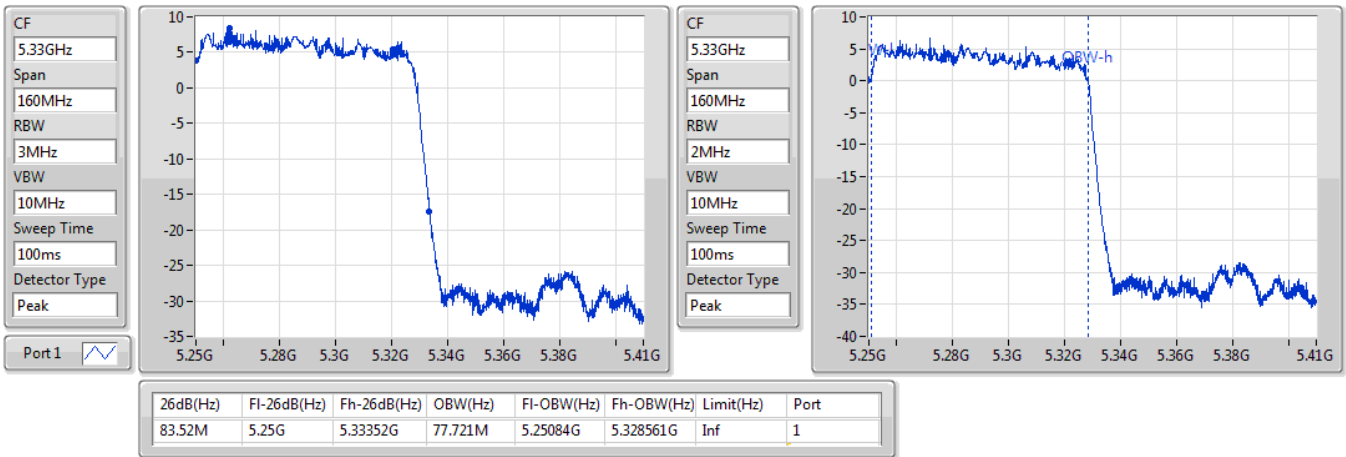


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

### 5250MHz Straddle 5.25-5.35GHz

29/11/2019

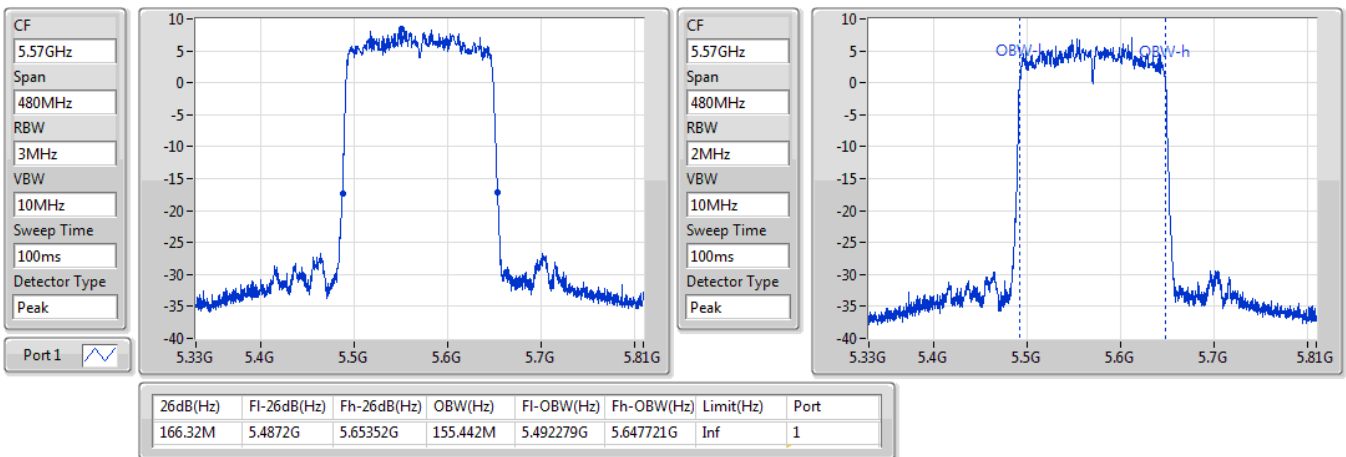


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

### 5570MHz

29/11/2019



**Summary**

| Mode                            | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                    | -                | -               | -        | -                | -               |
| 802.11ac VHT160_Nss2,(MCS0)_2TX | 83.04M           | 76.602M         | 76M6D1D  | 82.88M           | 76.522M         |
| 802.11ax HEW160_Nss2,(MCS0)_2TX | 82.96M           | 77.961M         | 78M0D1D  | 82.88M           | 77.481M         |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 21.66M           | 16.792M         | 16M8D1D  | 21.39M           | 16.702M         |
| 802.11ac VHT20_Nss2,(MCS0)_2TX  | 21.9M            | 17.871M         | 17M9D1D  | 21.54M           | 17.781M         |
| 802.11ac VHT40_Nss2,(MCS0)_2TX  | 40.86M           | 36.342M         | 36M3D1D  | 40.86M           | 36.282M         |
| 802.11ac VHT80_Nss2,(MCS0)_2TX  | 83.04M           | 75.802M         | 75M8D1D  | 82.92M           | 75.802M         |
| 802.11ac VHT160_Nss2,(MCS0)_2TX | 83.84M           | 76.602M         | 76M6D1D  | 83.68M           | 76.522M         |
| 802.11ax HEW20_Nss2,(MCS0)_2TX  | 21.93M           | 19.01M          | 19M0D1D  | 21.33M           | 19.01M          |
| 802.11ax HEW40_Nss2,(MCS0)_2TX  | 40.86M           | 37.601M         | 37M6D1D  | 40.56M           | 37.481M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX  | 83.76M           | 77.001M         | 77M0D1D  | 82.8M            | 77.001M         |
| 802.11ax HEW160_Nss2,(MCS0)_2TX | 84.16M           | 77.721M         | 77M7D1D  | 83.92M           | 77.321M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 21.72M           | 16.822M         | 16M8D1D  | 15.675M          | 13.358M         |
| 802.11ac VHT20_Nss2,(MCS0)_2TX  | 21.99M           | 17.901M         | 17M9D1D  | 15.9M            | 13.973M         |
| 802.11ac VHT40_Nss2,(MCS0)_2TX  | 41.1M            | 36.342M         | 36M3D1D  | 35.49M           | 32.919M         |
| 802.11ac VHT80_Nss2,(MCS0)_2TX  | 83.16M           | 75.802M         | 75M8D1D  | 76.425M          | 72.489M         |
| 802.11ac VHT160_Nss2,(MCS0)_2TX | 166.32M          | 154.243M        | 154MD1D  | 165.84M          | 153.763M        |
| 802.11ax HEW20_Nss2,(MCS0)_2TX  | 21.84M           | 19.04M          | 19M0D1D  | 15.735M          | 14.498M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX  | 40.86M           | 37.661M         | 37M7D1D  | 35.42M           | 33.618M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX  | 83.76M           | 77.001M         | 77M0D1D  | 76.125M          | 73.013M         |
| 802.11ax HEW160_Nss2,(MCS0)_2TX | 166.56M          | 155.442M        | 155MD1D  | 166.08M          | 154.963M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 3.18M            | 4.038M          | 4M04D1D  | 3.18M            | 3.978M          |
| 802.11ac VHT20_Nss2,(MCS0)_2TX  | 3.74M            | 4.338M          | 4M34D1D  | 3.74M            | 4.238M          |
| 802.11ac VHT40_Nss2,(MCS0)_2TX  | 3.14M            | 3.578M          | 3M58D1D  | 3.12M            | 3.498M          |
| 802.11ac VHT80_Nss2,(MCS0)_2TX  | 3.12M            | 3.578M          | 3M58D1D  | 3.12M            | 3.498M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX  | 4.44M            | 4.578M          | 4M58D1D  | 4.42M            | 4.538M          |
| 802.11ax HEW40_Nss2,(MCS0)_2TX  | 3.76M            | 4.018M          | 4M02D1D  | 3.72M            | 4.018M          |
| 802.11ax HEW80_Nss2,(MCS0)_2TX  | 3.78M            | 4.078M          | 4M08D1D  | 3.74M            | 4.038M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -             | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.54M              | 16.732M            | 21.66M              | 16.792M            |
| 5300MHz                         | Pass   | Inf           | 21.45M              | 16.702M            | 21.54M              | 16.792M            |
| 5320MHz                         | Pass   | Inf           | 21.39M              | 16.732M            | 21.6M               | 16.792M            |
| 5500MHz                         | Pass   | Inf           | 21.48M              | 16.732M            | 21.69M              | 16.822M            |
| 5580MHz                         | Pass   | Inf           | 21.51M              | 16.762M            | 21.72M              | 16.792M            |
| 5700MHz                         | Pass   | Inf           | 21.48M              | 16.732M            | 21.51M              | 16.792M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.675M             | 13.358M            | 15.81M              | 13.418M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.18M               | 3.978M             | 3.18M               | 4.038M             |
| 802.11ac VHT20_Nss2,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.87M              | 17.871M            | 21.63M              | 17.781M            |
| 5300MHz                         | Pass   | Inf           | 21.9M               | 17.871M            | 21.54M              | 17.781M            |
| 5320MHz                         | Pass   | Inf           | 21.9M               | 17.841M            | 21.57M              | 17.781M            |
| 5500MHz                         | Pass   | Inf           | 21.93M              | 17.871M            | 21.57M              | 17.781M            |
| 5580MHz                         | Pass   | Inf           | 21.96M              | 17.901M            | 21.6M               | 17.781M            |
| 5700MHz                         | Pass   | Inf           | 21.99M              | 17.871M            | 21.48M              | 17.811M            |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 15.945M             | 14.018M            | 15.9M               | 13.973M            |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.74M               | 4.238M             | 3.74M               | 4.338M             |
| 802.11ac VHT40_Nss2,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 40.86M              | 36.342M            | 40.86M              | 36.282M            |
| 5310MHz                         | Pass   | Inf           | 40.86M              | 36.342M            | 40.86M              | 36.342M            |
| 5510MHz                         | Pass   | Inf           | 40.8M               | 36.342M            | 41.1M               | 36.282M            |
| 5550MHz                         | Pass   | Inf           | 40.86M              | 36.342M            | 40.92M              | 36.342M            |
| 5670MHz                         | Pass   | Inf           | 40.74M              | 36.342M            | 40.74M              | 36.282M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 35.49M              | 32.919M            | 35.7M               | 33.058M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.12M               | 3.498M             | 3.14M               | 3.578M             |
| 802.11ac VHT80_Nss2,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 82.92M              | 75.802M            | 83.04M              | 75.802M            |
| 5530MHz                         | Pass   | Inf           | 82.92M              | 75.802M            | 82.92M              | 75.682M            |
| 5610MHz                         | Pass   | Inf           | 83.04M              | 75.802M            | 83.16M              | 75.802M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 76.425M             | 72.489M            | 76.875M             | 72.639M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.12M               | 3.578M             | 3.12M               | 3.498M             |
| 802.11ac VHT160_Nss2,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 83.04M              | 76.602M            | 82.88M              | 76.522M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 83.84M              | 76.602M            | 83.68M              | 76.522M            |
| 5570MHz                         | Pass   | Inf           | 166.32M             | 154.243M           | 165.84M             | 153.763M           |
| 802.11ax HEW20_Nss2,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5260MHz                         | Pass   | Inf           | 21.93M              | 19.01M             | 21.48M              | 19.01M             |
| 5300MHz                         | Pass   | Inf           | 21.81M              | 19.01M             | 21.33M              | 19.01M             |
| 5320MHz                         | Pass   | Inf           | 21.84M              | 19.01M             | 21.45M              | 19.01M             |
| 5500MHz                         | Pass   | Inf           | 21.81M              | 19.04M             | 21.51M              | 19.04M             |
| 5580MHz                         | Pass   | Inf           | 21.78M              | 19.01M             | 21.45M              | 19.01M             |
| 5700MHz                         | Pass   | Inf           | 21.84M              | 19.04M             | 21.45M              | 19.01M             |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 16.065M             | 14.543M            | 15.735M             | 14.498M            |



| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 4.42M               | 4.538M             | 4.44M               | 4.578M             |
| 802.11ax HEW40_Nss2,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5270MHz                         | Pass   | Inf           | 40.68M              | 37.601M            | 40.62M              | 37.481M            |
| 5310MHz                         | Pass   | Inf           | 40.86M              | 37.601M            | 40.56M              | 37.481M            |
| 5510MHz                         | Pass   | Inf           | 40.86M              | 37.661M            | 40.44M              | 37.541M            |
| 5550MHz                         | Pass   | Inf           | 40.86M              | 37.541M            | 40.68M              | 37.481M            |
| 5670MHz                         | Pass   | Inf           | 40.74M              | 37.601M            | 40.5M               | 37.481M            |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 35.42M              | 33.688M            | 35.49M              | 33.618M            |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.72M               | 4.018M             | 3.76M               | 4.018M             |
| 802.11ax HEW80_Nss2,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5290MHz                         | Pass   | Inf           | 82.8M               | 77.001M            | 83.76M              | 77.001M            |
| 5530MHz                         | Pass   | Inf           | 82.8M               | 77.001M            | 83.64M              | 77.001M            |
| 5610MHz                         | Pass   | Inf           | 82.92M              | 77.001M            | 83.76M              | 77.001M            |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf           | 76.125M             | 73.013M            | 76.95M              | 73.238M            |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k          | 3.78M               | 4.078M             | 3.74M               | 4.038M             |
| 802.11ax HEW160_Nss2,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf           | 82.88M              | 77.961M            | 82.96M              | 77.481M            |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf           | 83.92M              | 77.321M            | 84.16M              | 77.721M            |
| 5570MHz                         | Pass   | Inf           | 166.56M             | 155.442M           | 166.08M             | 154.963M           |

**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

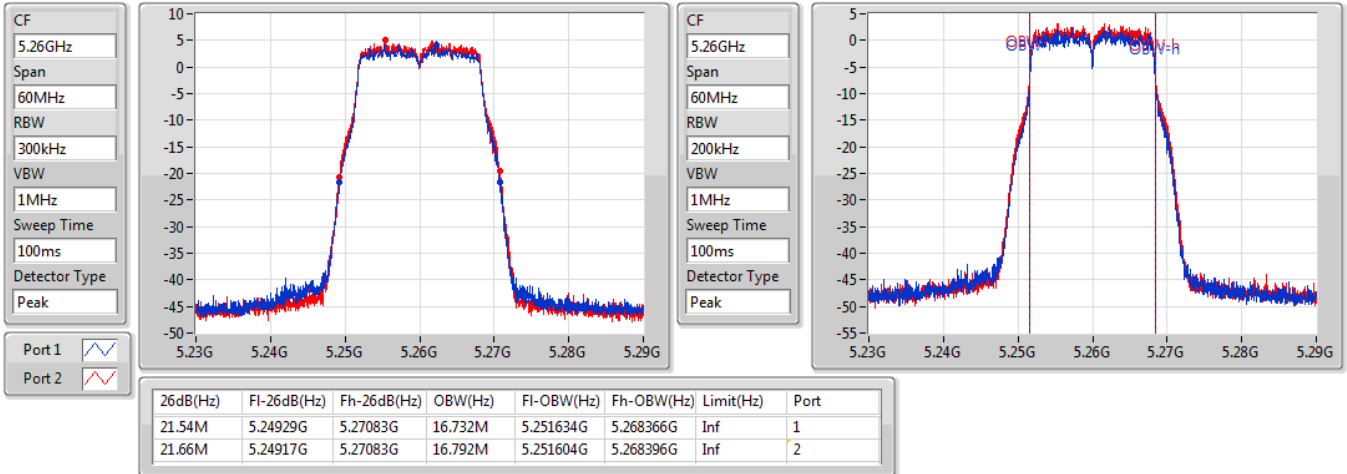
**Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5260MHz

29/11/2019



## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5300MHz

29/11/2019

