



| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 14.02 | -9.42 | -8.91 | -8.56 | -9.01 | -3.21 | 2.98 | 10.81 | 17.00 |
| 5530MHz | Pass | 14.02 | -8.93 | -8.73 | -8.96 | -8.77 | -3.20 | 2.98 | 10.82 | 17.00 |
| 5610MHz | Pass | 14.02 | -8.41 | -7.42 | -7.95 | -7.59 | -2.19 | 2.98 | 11.83 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 14.02 | -9.09 | -8.52 | -8.89 | -8.61 | -3.12 | 2.98 | 10.90 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 14.02 | -11.42 | -12.83 | -11.48 | -12.23 | -6.27 | 21.98 | 7.75 | 36.00 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 14.02 | -11.34 | -10.88 | -10.70 | -11.45 | -5.67 | 8.98 | 8.35 | 23.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 14.02 | -11.10 | -10.67 | -11.48 | -10.83 | -5.41 | 2.98 | 8.61 | 17.00 |
| 5570MHz | Pass | 14.02 | -10.53 | -9.39 | -9.85 | -9.77 | -4.63 | 2.98 | 9.39 | 17.00 |

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

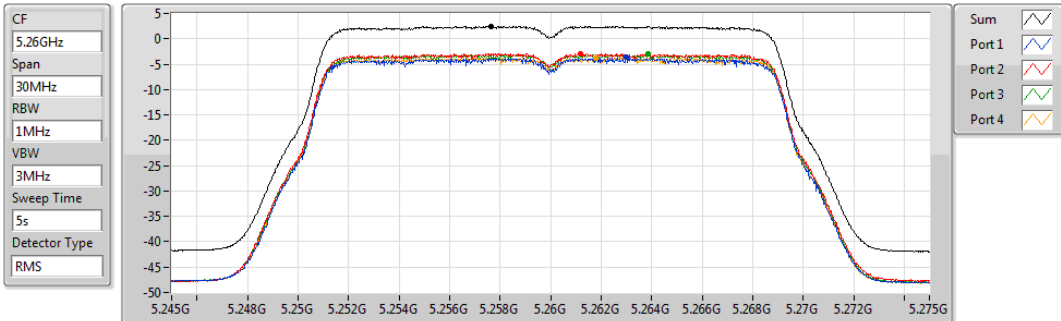
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

03/12/2019



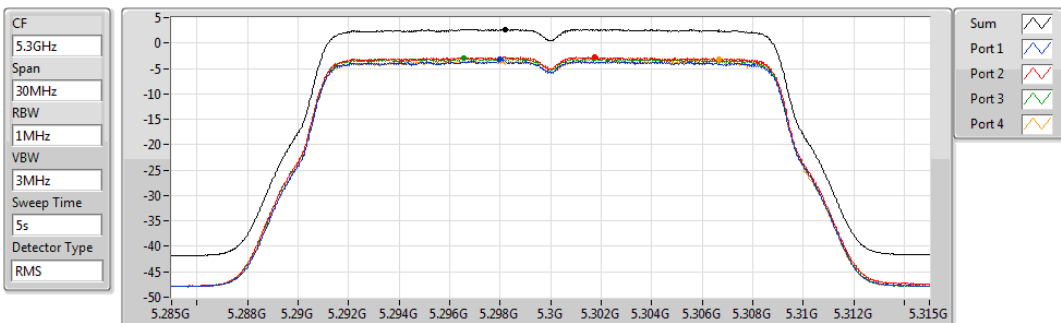
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.48 | 2.48 | -3.70 | -2.91 | -2.95 | -3.74 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

03/12/2019



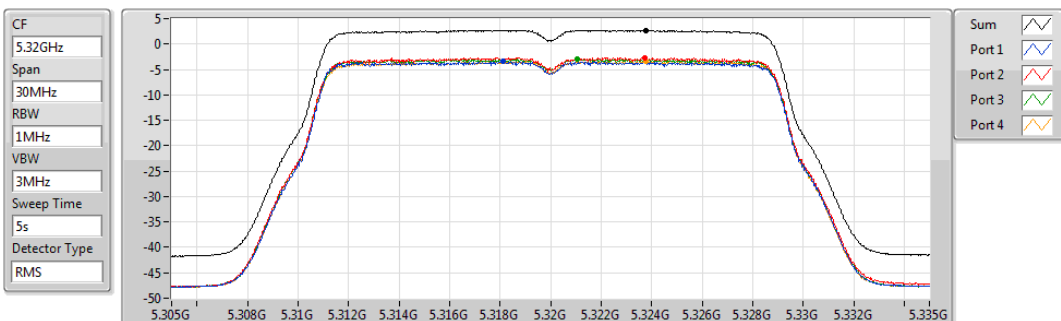
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.70 | 2.70 | -3.26 | -2.77 | -3.01 | -3.15 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

03/12/2019



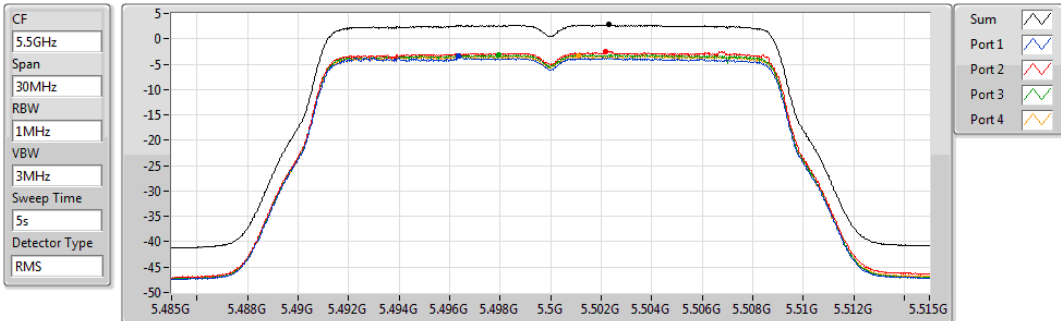
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.74 | 2.74 | -3.45 | -2.68 | -2.85 | -3.36 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

04/12/2019



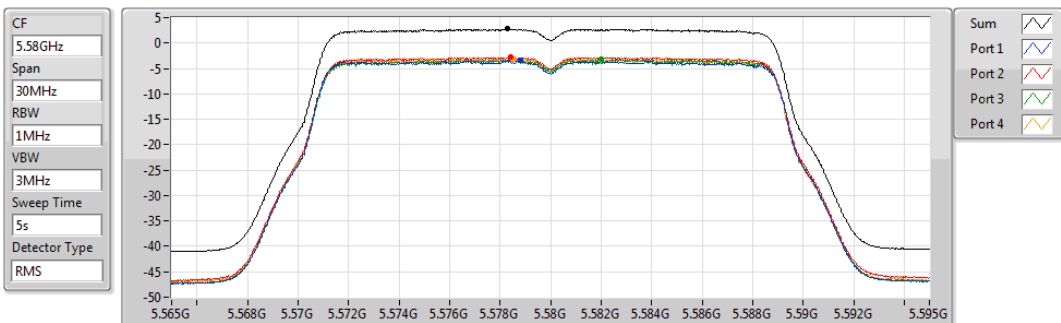
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.76 | 2.76 | -3.47 | -2.45 | -3.12 | -3.34 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

03/12/2019



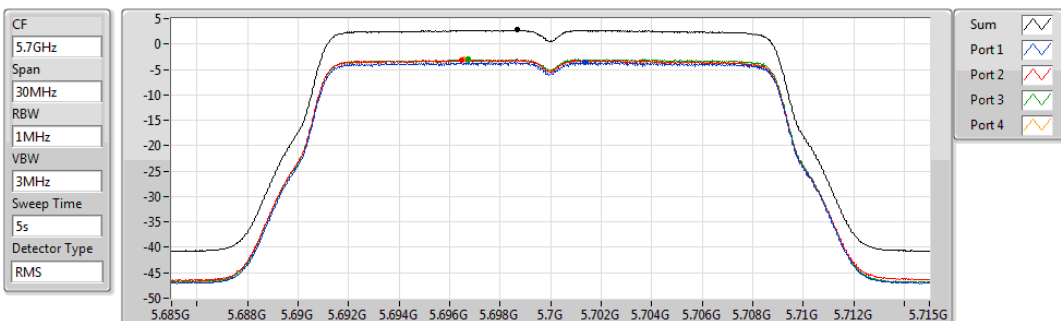
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.75 | 2.75 | -3.32 | -2.82 | -3.23 | -3.11 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

03/12/2019



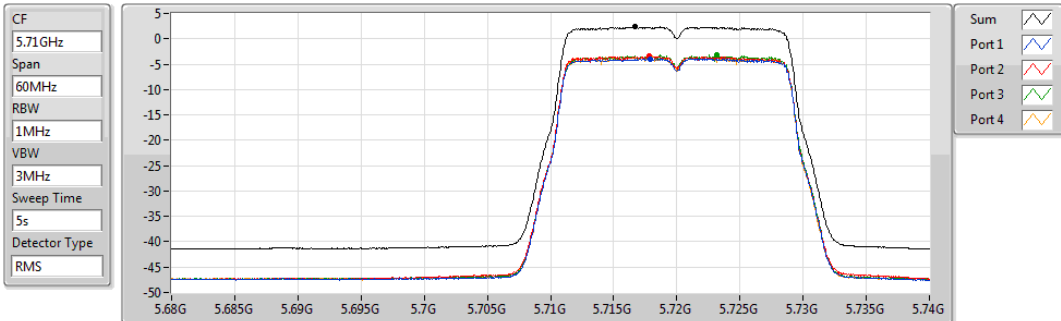
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.78 | 2.78 | -3.63 | -3.11 | -2.98 | -3.05 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz

PSD

03/12/2019



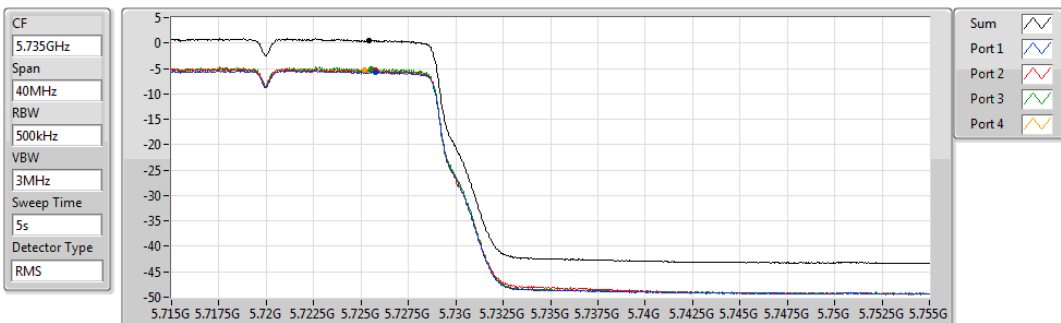
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.33 | 2.33 | -3.93 | -3.45 | -3.19 | -3.50 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

03/12/2019



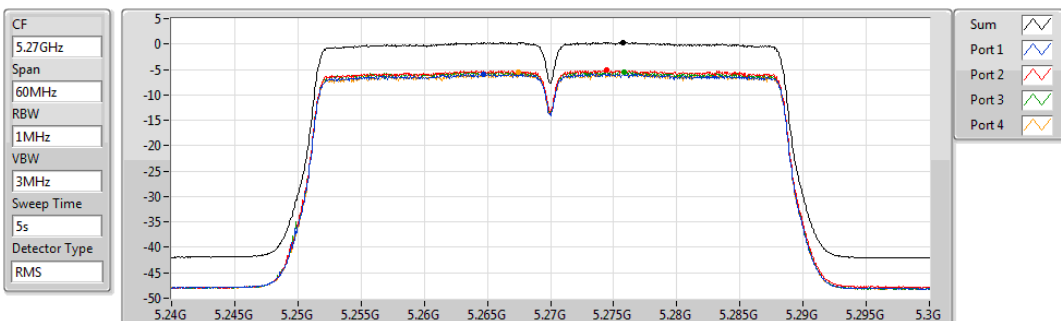
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.50 | 0.50 | -5.70 | -5.30 | -5.05 | -5.31 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz

PSD

03/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.33 | 0.33 | -5.91 | -5.05 | -5.46 | -5.51 |

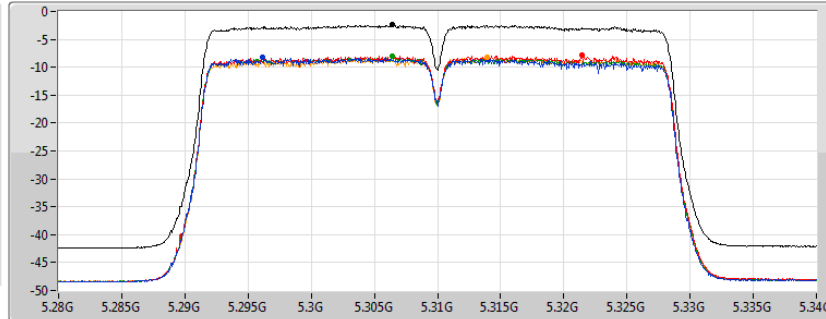
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

03/12/2019

CF
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.39 | -2.39 | -8.11 | -7.89 | -8.03 | -8.16 |

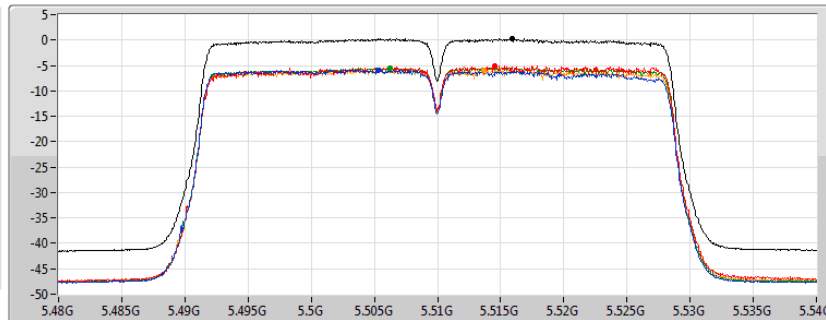
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

03/12/2019

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.24 | 0.24 | -5.85 | -5.00 | -5.47 | -5.98 |

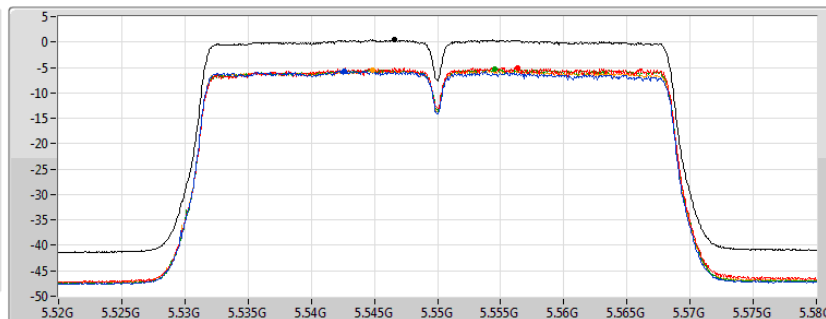
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

03/12/2019

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.41 | 0.41 | -5.69 | -5.07 | -5.31 | -5.44 |

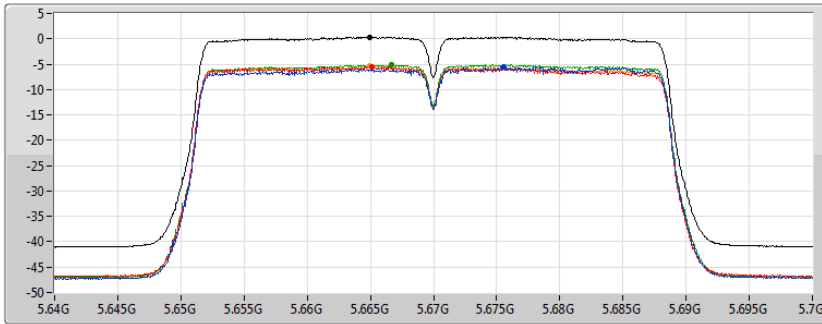
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

03/12/2019

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.37 | 0.37 | -5.59 | -5.47 | -5.17 | -5.39 |

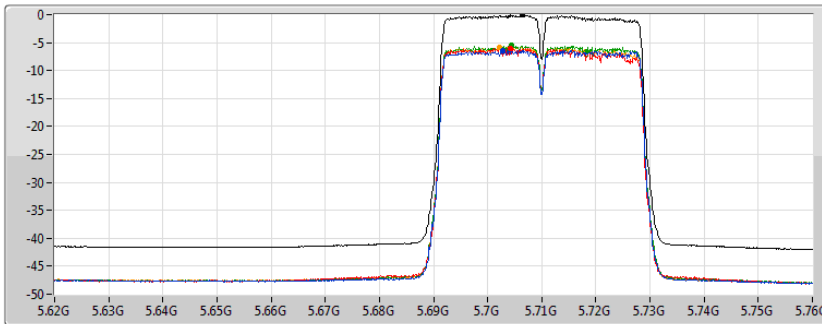
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

03/12/2019

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.05 | -0.05 | -6.38 | -6.04 | -5.50 | -5.87 |

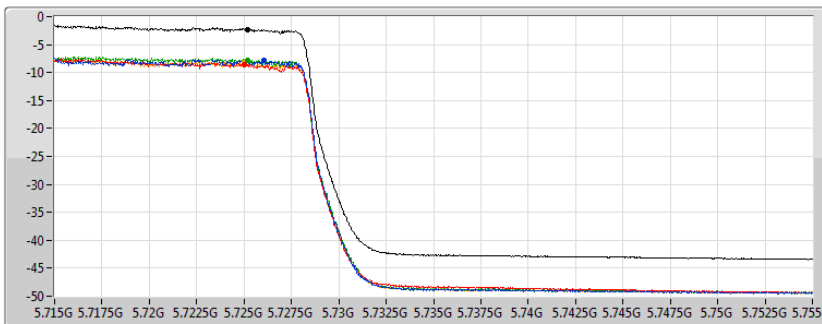
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

03/12/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.26 | -2.26 | -7.83 | -8.61 | -7.82 | -8.22 |

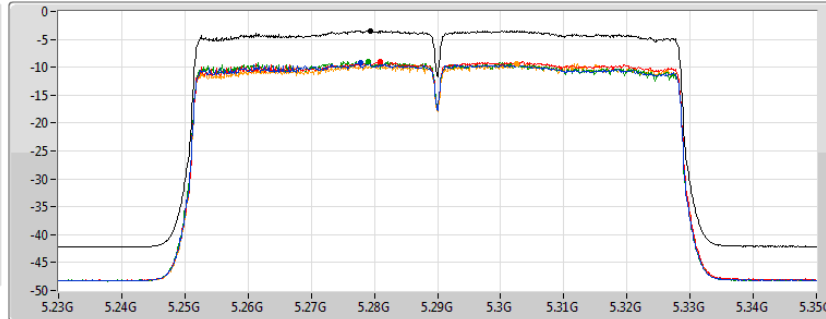
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

03/12/2019

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.44 | -3.44 | -9.15 | -8.97 | -8.96 | -9.38 |

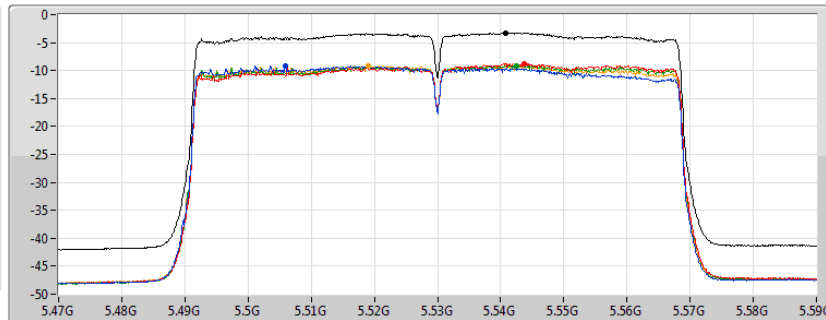
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

03/12/2019

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.23 | -3.23 | -9.10 | -8.74 | -9.14 | -9.21 |

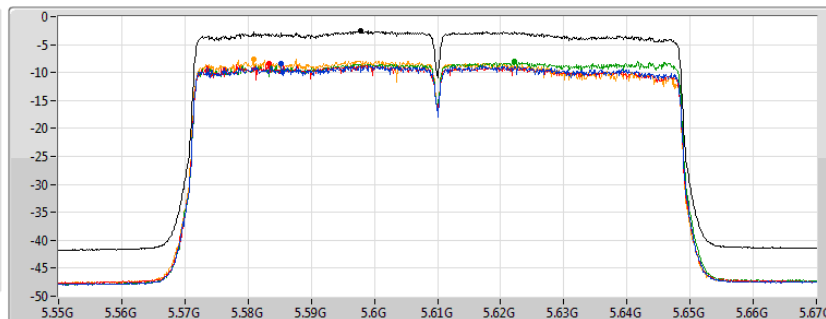
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

03/12/2019

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

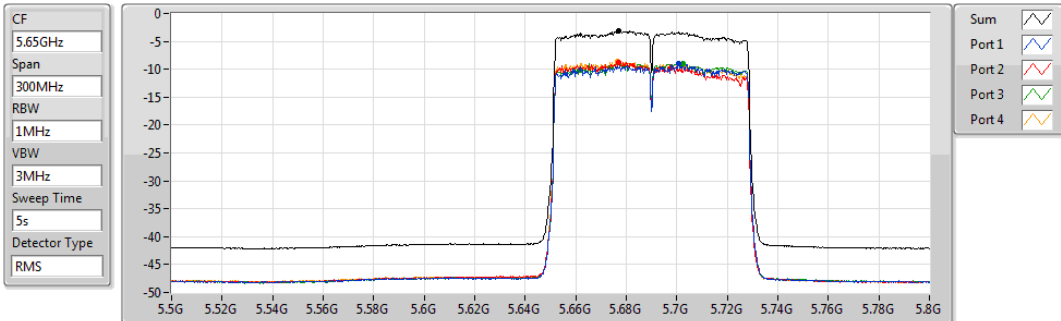
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.59 | -2.59 | -8.46 | -8.43 | -8.06 | -7.56 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

04/12/2019



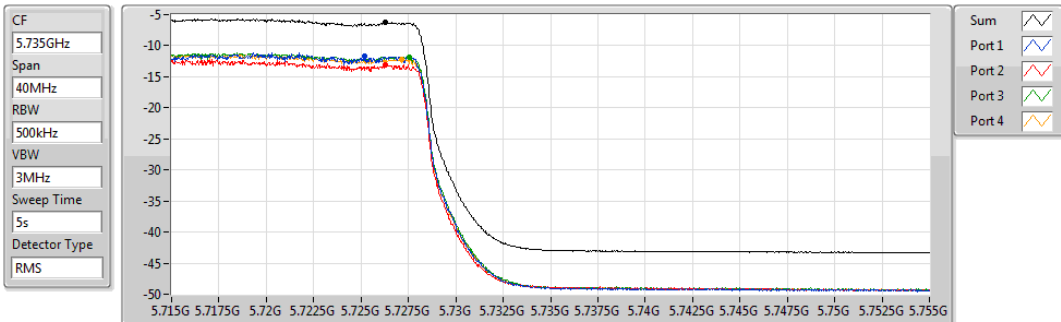
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.17 | -3.17 | -9.08 | -8.76 | -9.00 | -8.54 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

04/12/2019



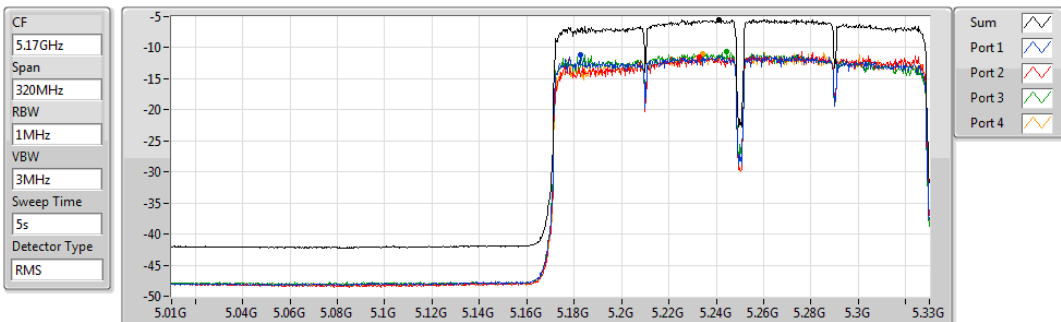
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.25 | -6.25 | -11.73 | -13.07 | -11.78 | -12.26 |

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

04/12/2019



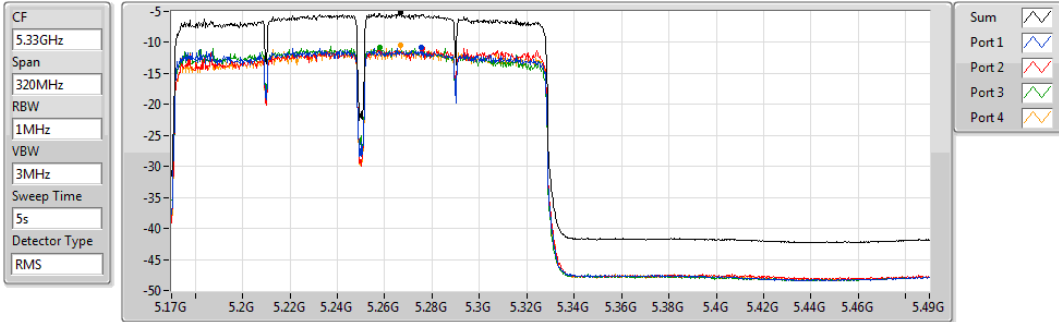
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.47 | -5.47 | -11.19 | -11.45 | -10.70 | -10.98 |

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

04/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|------------|------------|------------|------------|------------|------------|
| (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) |
| -5.21 | -5.21 | -10.79 | -10.89 | -10.82 | -10.50 |

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

04/12/2019



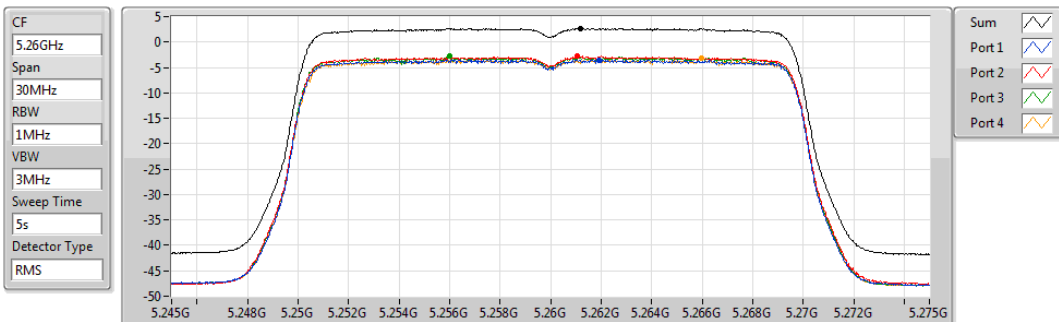
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|------------|------------|------------|------------|------------|------------|
| (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) |
| -4.82 | -4.82 | -10.90 | -9.67 | -9.50 | -9.77 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

03/12/2019



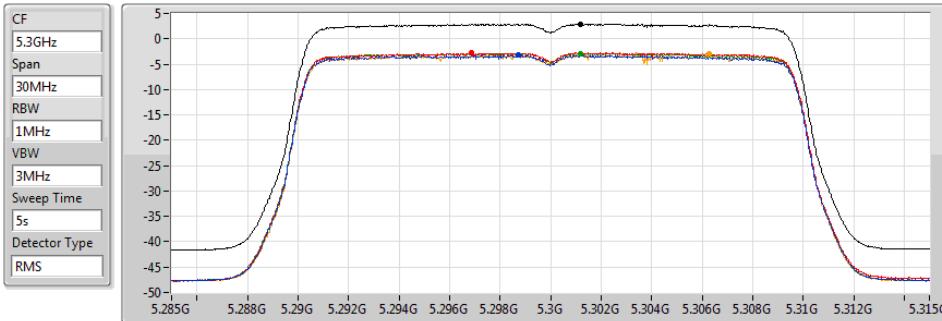
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|------------|------------|------------|------------|------------|------------|
| (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) |
| 2.67 | 2.67 | -3.50 | -2.71 | -2.73 | -3.08 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

03/12/2019



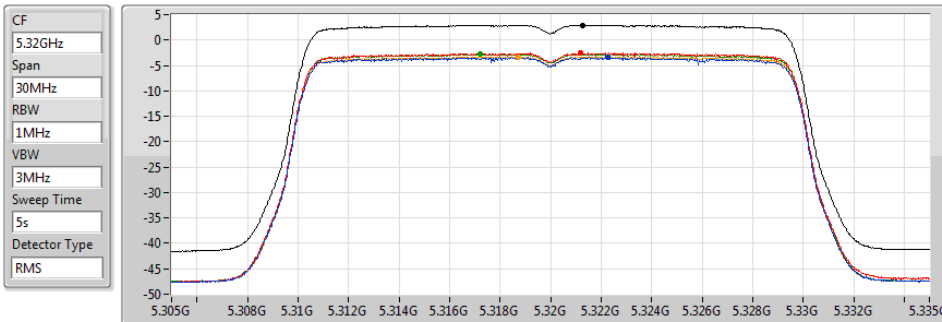
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.91 | 2.91 | -3.25 | -2.74 | -2.87 | -2.91 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

03/12/2019



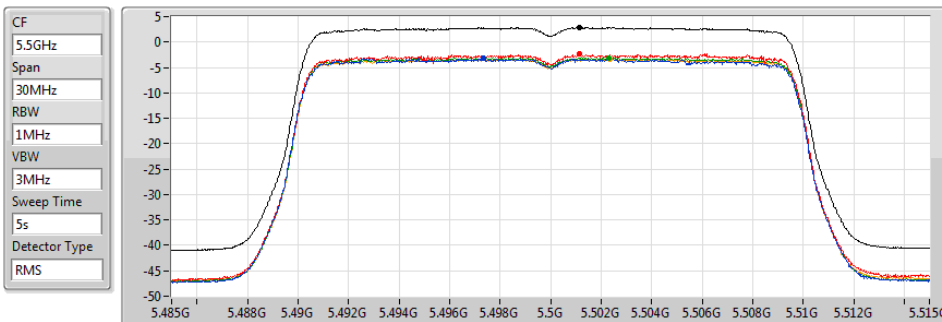
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.94 | 2.94 | -3.42 | -2.55 | -2.79 | -3.29 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

03/12/2019



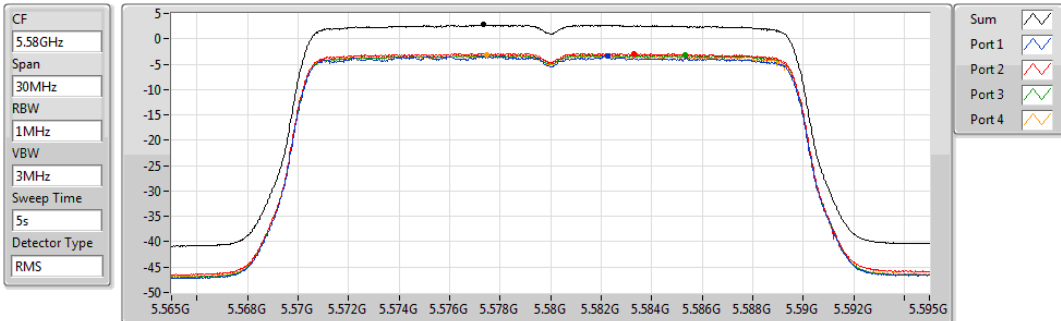
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.93 | 2.93 | -3.09 | -2.37 | -3.08 | -3.30 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

03/12/2019



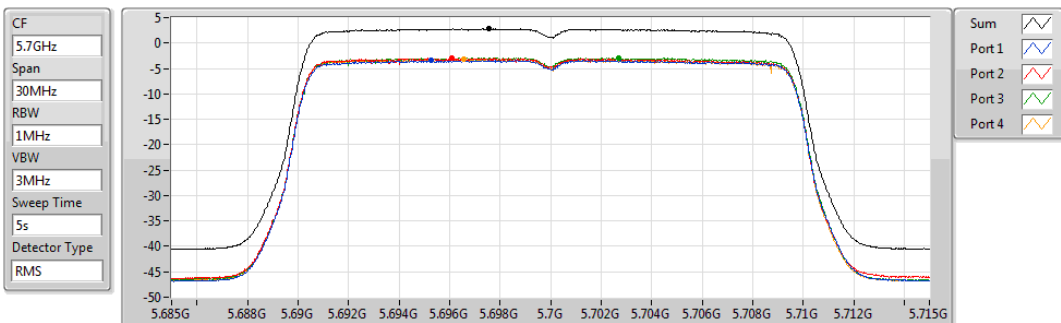
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.75 | 2.75 | -3.32 | -2.89 | -3.16 | -3.20 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

03/12/2019



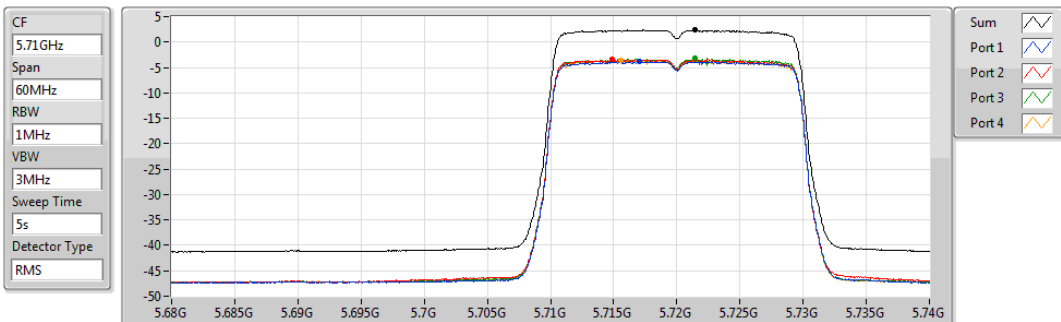
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.79 | 2.79 | -3.42 | -2.98 | -2.92 | -3.24 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

03/12/2019



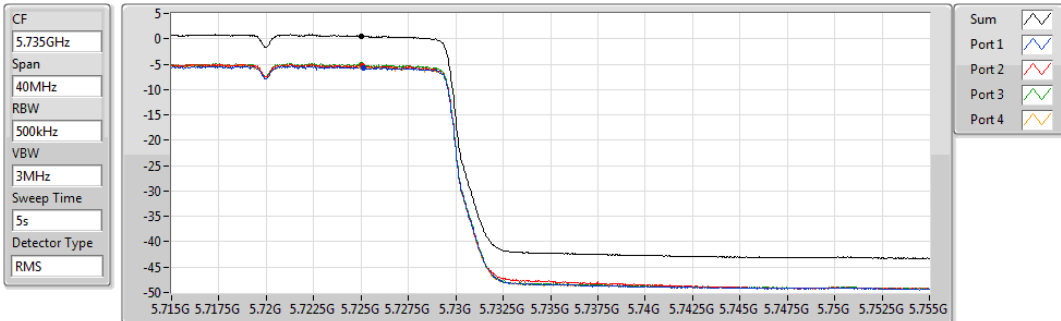
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.34 | 2.34 | -3.88 | -3.35 | -3.24 | -3.60 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

03/12/2019



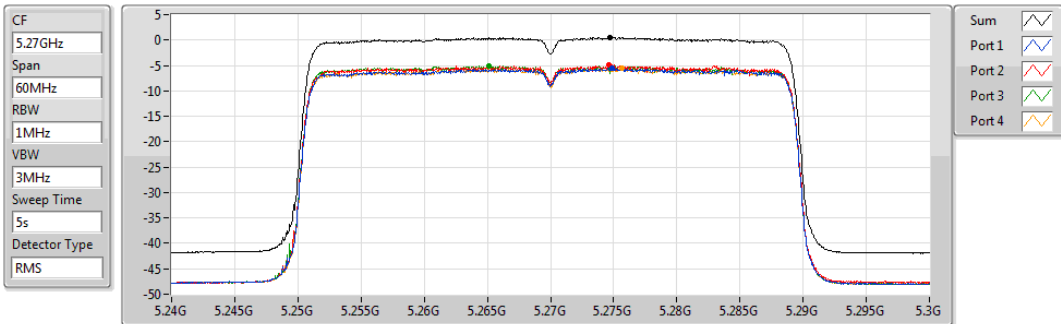
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.57 | 0.57 | -5.68 | -5.23 | -5.13 | -5.52 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

03/12/2019



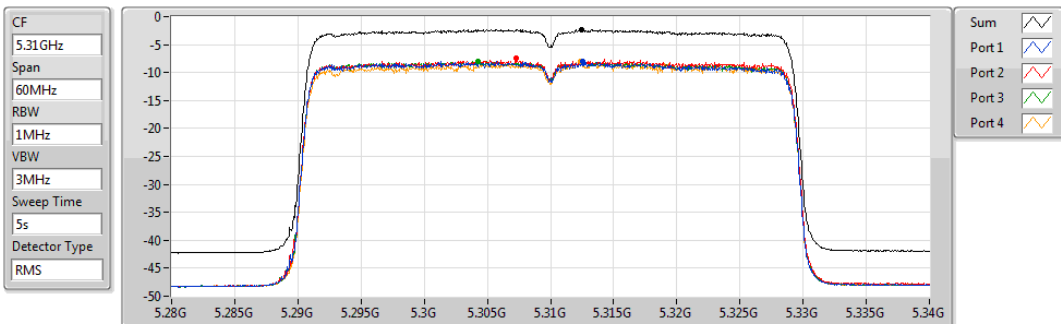
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.53 | 0.53 | -5.57 | -4.78 | -5.07 | -5.52 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

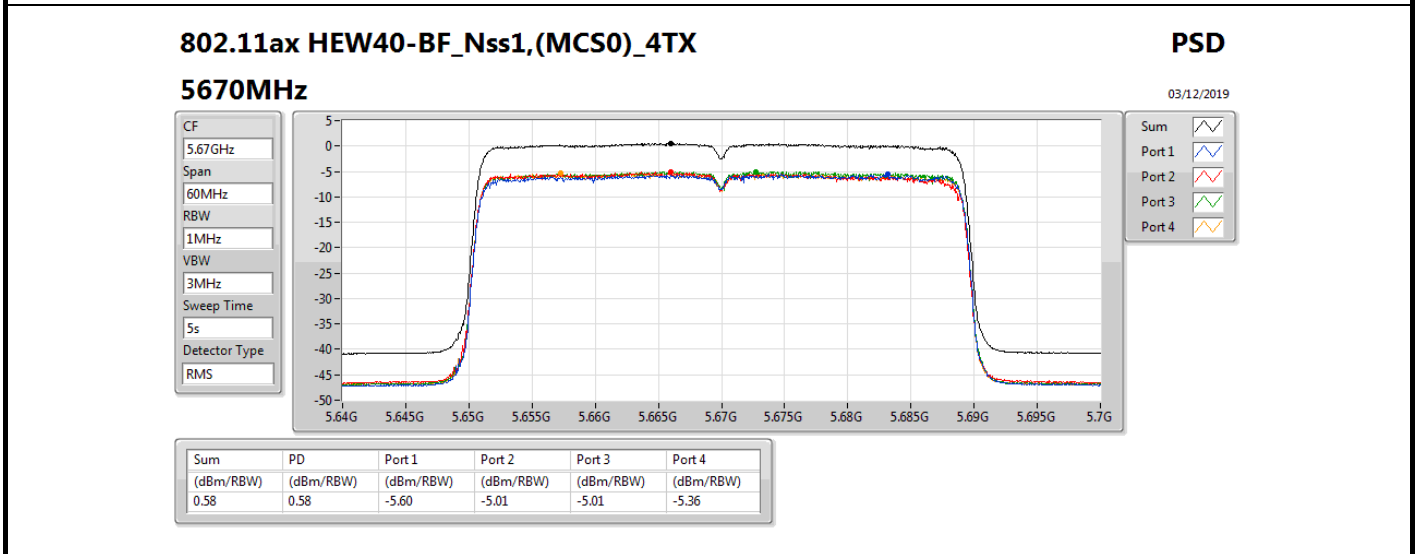
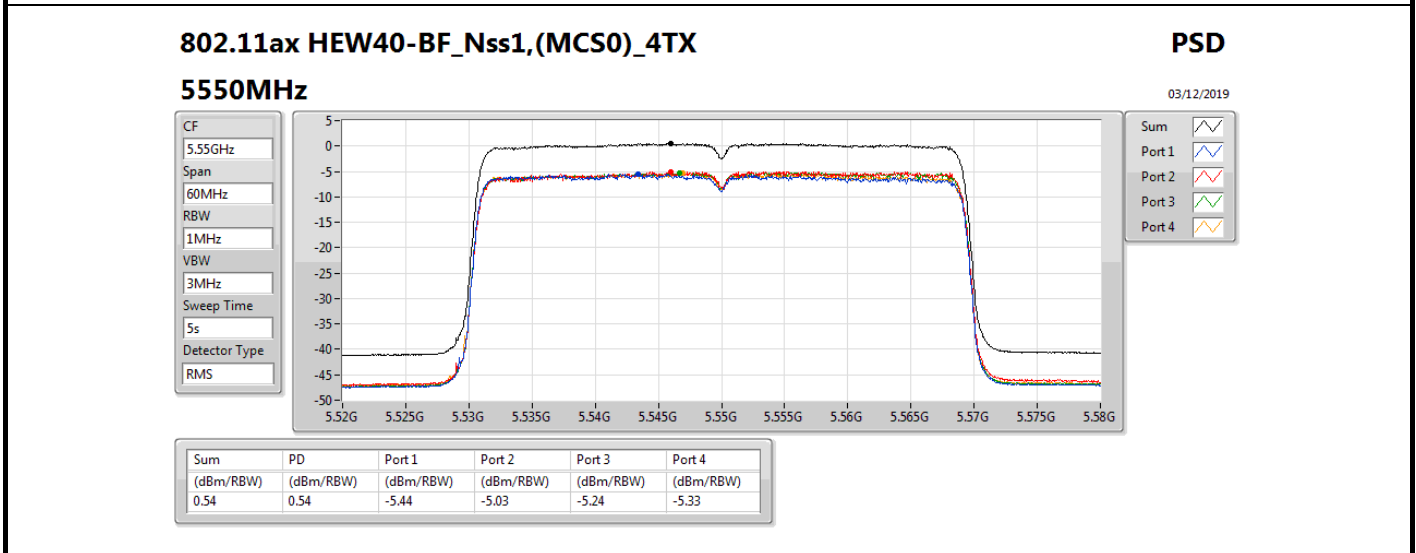
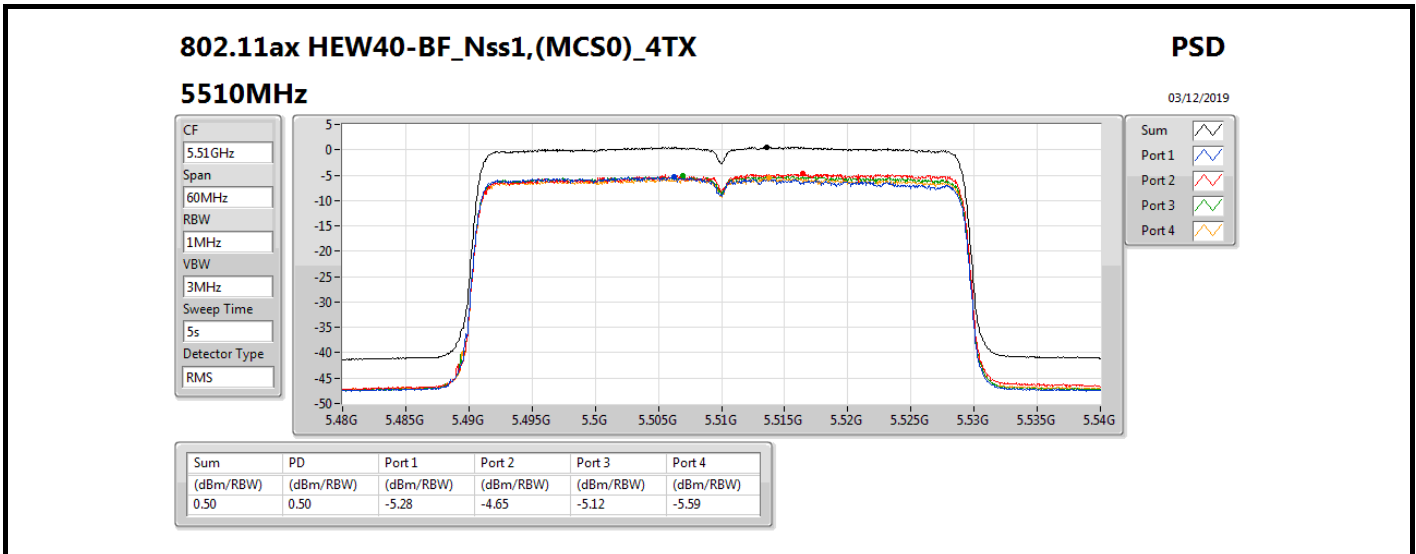
PSD

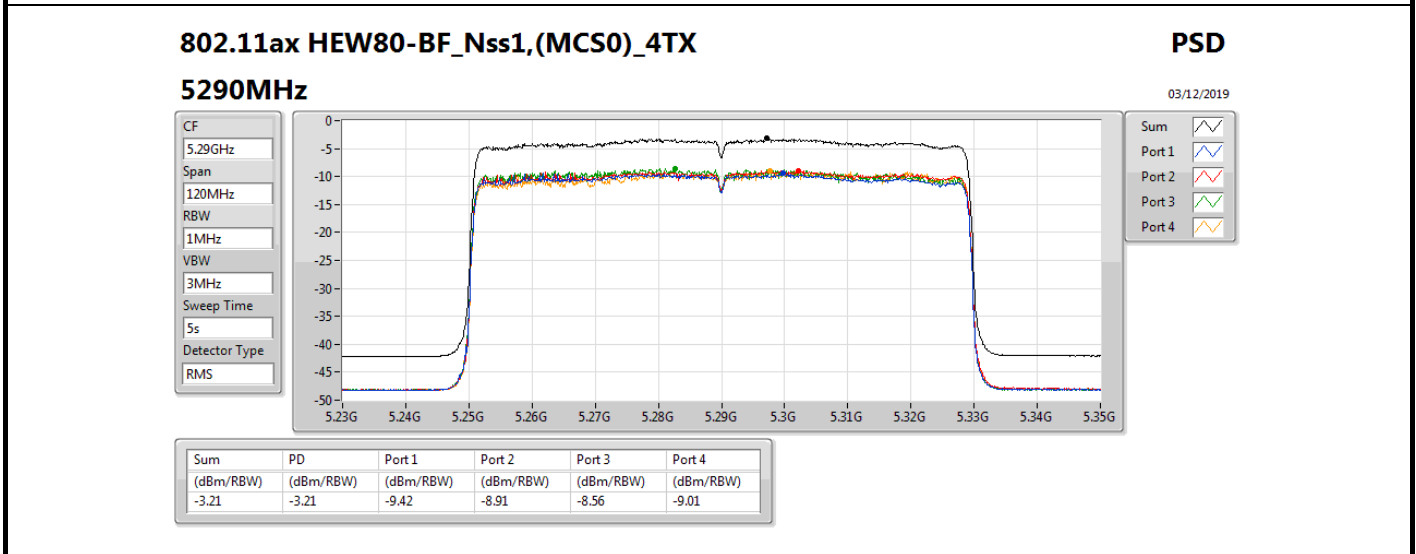
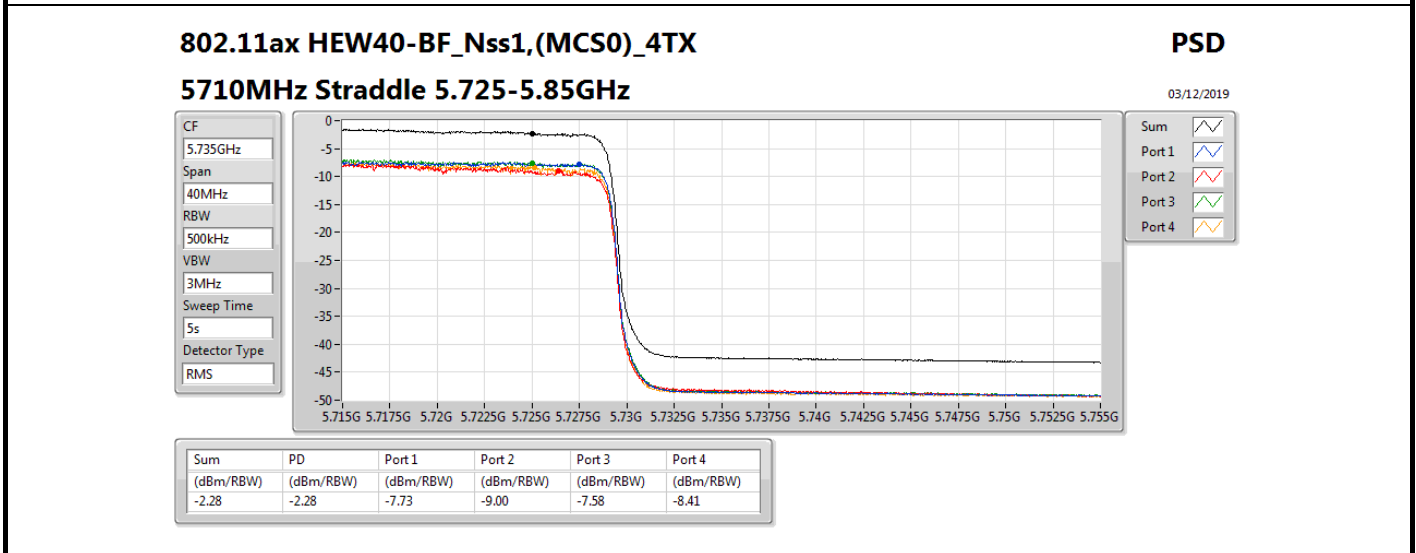
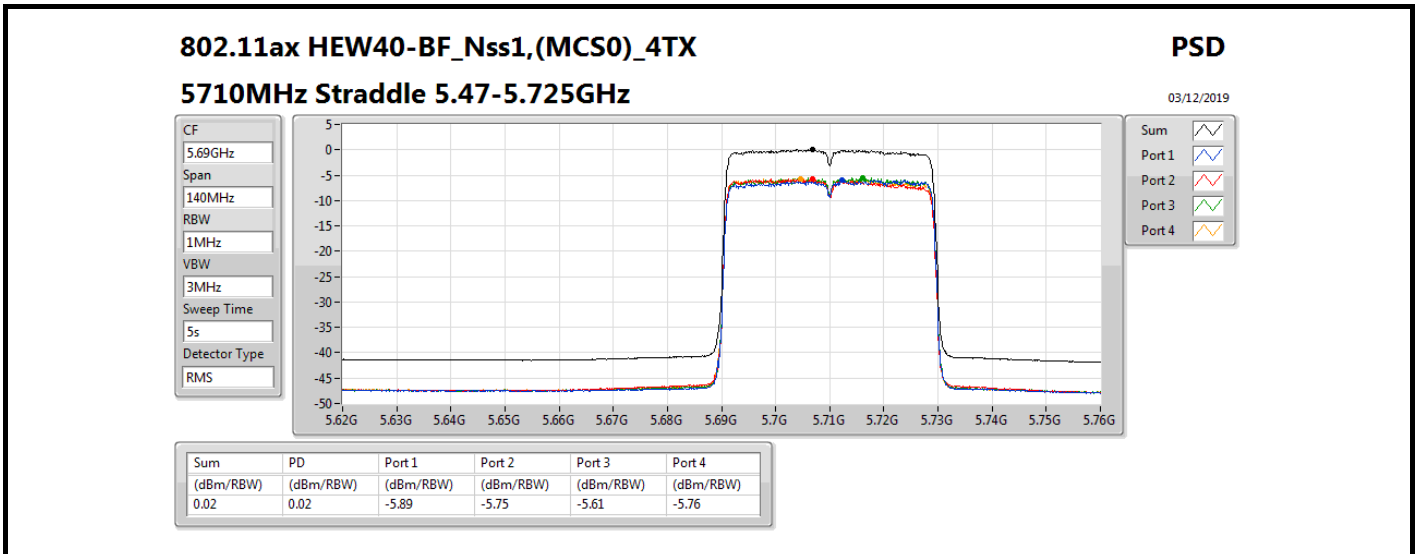
5310MHz

03/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.28 | -2.28 | -7.96 | -7.43 | -7.94 | -7.98 |





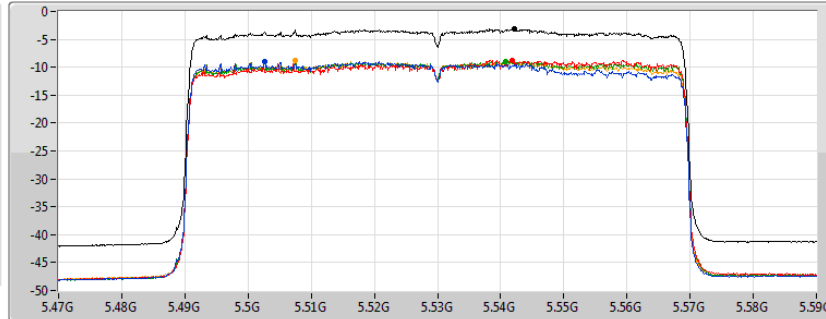
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

03/12/2019

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.20 | -3.20 | -8.93 | -8.73 | -8.96 | -8.77 |

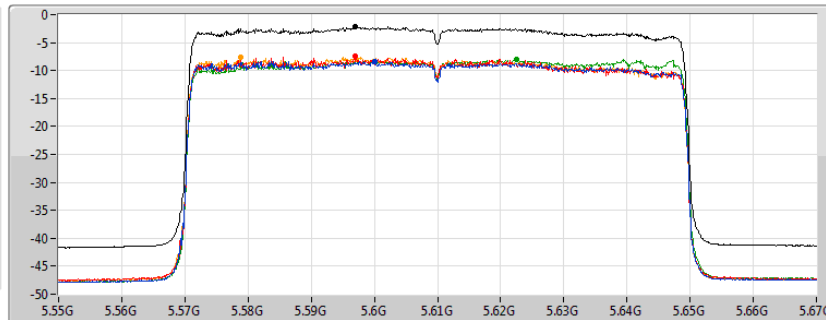
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

03/12/2019

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.19 | -2.19 | -8.41 | -7.42 | -7.95 | -7.59 |

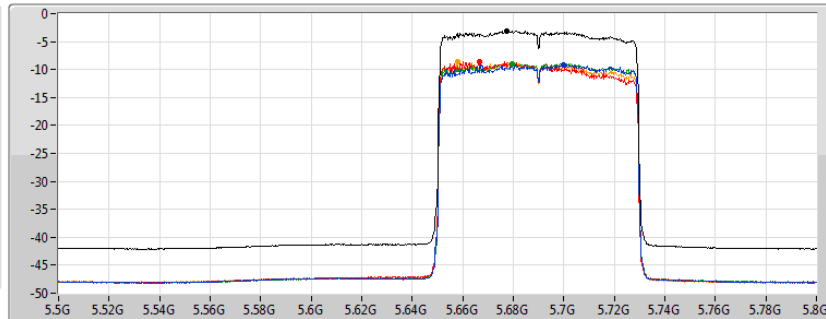
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

03/12/2019

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

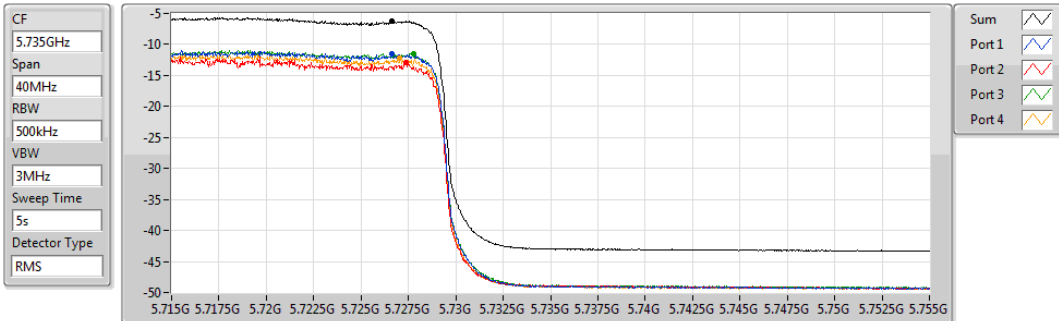
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.12 | -3.12 | -9.09 | -8.52 | -8.89 | -8.61 |

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

03/12/2019



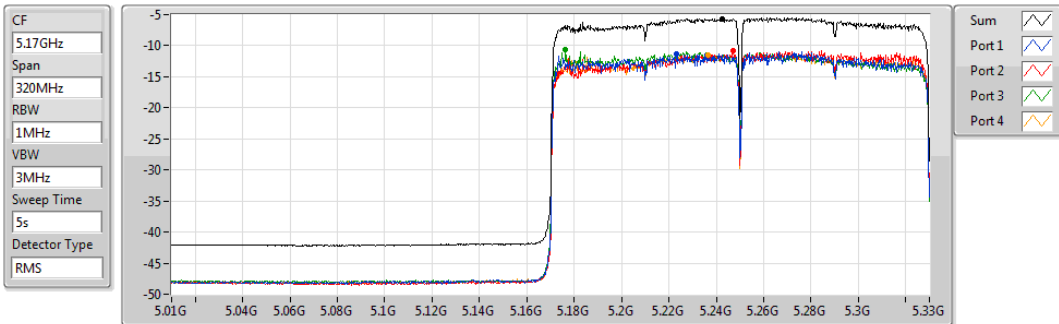
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.27 | -6.27 | -11.42 | -12.83 | -11.48 | -12.23 |

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

03/12/2019



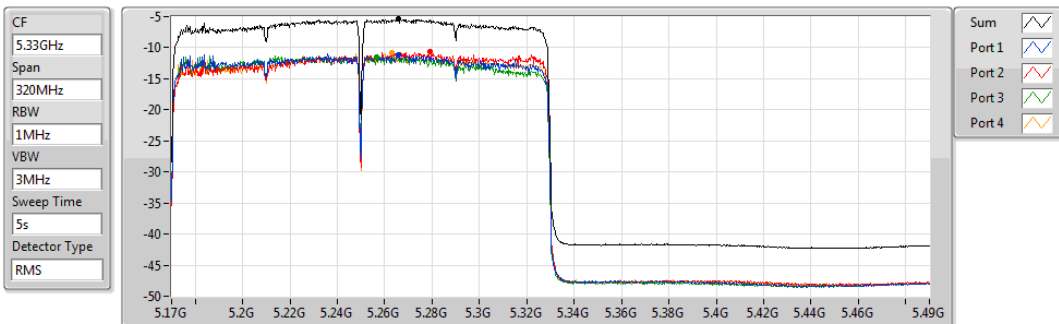
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.67 | -5.67 | -11.34 | -10.88 | -10.70 | -11.45 |

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

03/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.41 | -5.41 | -11.10 | -10.67 | -11.48 | -10.83 |



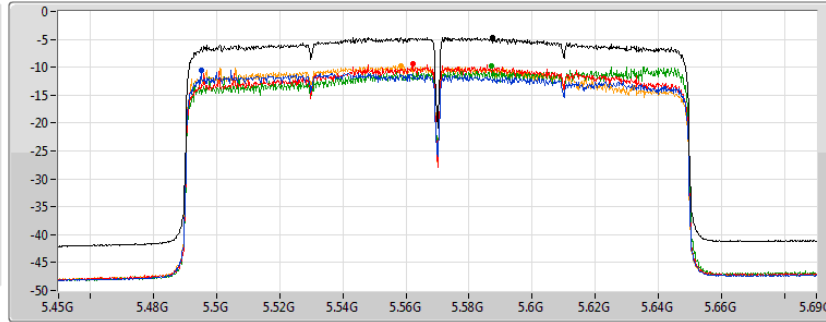
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

03/12/2019

CF
5.57GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.63 | -4.63 | -10.53 | -9.39 | -9.85 | -9.77 |



Summary

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|------------------------------------|-----------------|----------------------|
| 5.15-5.25GHz | - | - |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | -6.02 | 10.70 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -5.86 | 10.86 |
| 5.25-5.35GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 0.26 | 16.98 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -2.23 | 14.49 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -5.79 | 10.93 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | -5.99 | 10.73 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 0.17 | 16.89 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -2.12 | 14.60 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -5.45 | 11.27 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -5.90 | 10.82 |
| 5.47-5.725GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 0.20 | 16.92 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -2.36 | 14.36 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -5.08 | 11.64 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | -7.15 | 9.57 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 0.27 | 16.99 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -2.18 | 14.54 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -4.84 | 11.88 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -7.35 | 9.37 |
| 5.725-5.85GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -1.84 | 14.88 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -4.93 | 11.79 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -9.00 | 7.72 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -1.87 | 14.85 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -4.82 | 11.90 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | -8.91 | 7.81 |

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



Result

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 16.72 | -6.13 | -5.06 | -5.33 | -5.58 | 0.26 | 0.28 | 16.98 | 17.00 |
| 5300MHz | Pass | 16.72 | -5.69 | -5.12 | -5.21 | -5.62 | 0.26 | 0.28 | 16.98 | 17.00 |
| 5320MHz | Pass | 16.72 | -6.35 | -5.40 | -5.78 | -5.96 | -0.03 | 0.28 | 16.69 | 17.00 |
| 5500MHz | Pass | 16.72 | -6.53 | -5.04 | -5.60 | -5.99 | 0.20 | 0.28 | 16.92 | 17.00 |
| 5580MHz | Pass | 16.72 | -6.81 | -5.24 | -5.61 | -5.88 | 0.11 | 0.28 | 16.83 | 17.00 |
| 5700MHz | Pass | 16.72 | -6.03 | -5.73 | -5.45 | -5.92 | 0.11 | 0.28 | 16.83 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 16.72 | -6.53 | -5.92 | -5.67 | -6.04 | -0.12 | 0.28 | 16.60 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 16.72 | -8.20 | -7.77 | -7.45 | -7.84 | -1.84 | 19.28 | 14.88 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 16.72 | -8.31 | -7.70 | -7.89 | -8.17 | -2.23 | 0.28 | 14.49 | 17.00 |
| 5310MHz | Pass | 16.72 | -8.19 | -7.93 | -8.03 | -8.22 | -2.27 | 0.28 | 14.45 | 17.00 |
| 5510MHz | Pass | 16.72 | -8.37 | -7.37 | -8.12 | -8.54 | -2.41 | 0.28 | 14.31 | 17.00 |
| 5550MHz | Pass | 16.72 | -8.52 | -7.79 | -8.05 | -8.19 | -2.37 | 0.28 | 14.35 | 17.00 |
| 5670MHz | Pass | 16.72 | -8.49 | -7.92 | -7.73 | -7.76 | -2.36 | 0.28 | 14.36 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 16.72 | -8.95 | -8.59 | -8.18 | -8.66 | -2.70 | 0.28 | 14.02 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 16.72 | -10.45 | -11.27 | -10.41 | -11.27 | -4.93 | 19.28 | 11.79 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 16.72 | -11.76 | -11.36 | -11.51 | -12.04 | -5.79 | 0.28 | 10.93 | 17.00 |
| 5530MHz | Pass | 16.72 | -11.55 | -11.09 | -11.08 | -11.14 | -5.44 | 0.28 | 11.28 | 17.00 |
| 5610MHz | Pass | 16.72 | -10.97 | -10.63 | -10.15 | -10.26 | -5.08 | 0.28 | 11.64 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 16.72 | -11.78 | -11.44 | -11.52 | -11.52 | -5.86 | 0.28 | 10.86 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 16.72 | -14.21 | -15.35 | -14.49 | -15.29 | -9.00 | 19.28 | 7.72 | 36.00 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 16.72 | -11.43 | -11.76 | -10.92 | -11.55 | -6.02 | 6.28 | 10.70 | 23.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 16.72 | -12.00 | -11.23 | -10.76 | -11.39 | -5.99 | 0.28 | 10.73 | 17.00 |
| 5570MHz | Pass | 16.72 | -13.06 | -12.43 | -12.21 | -12.24 | -7.15 | 0.28 | 9.57 | 17.00 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 16.72 | -6.18 | -5.39 | -5.33 | -5.64 | 0.13 | 0.28 | 16.85 | 17.00 |
| 5300MHz | Pass | 16.72 | -6.15 | -5.48 | -5.53 | -5.68 | 0.17 | 0.28 | 16.89 | 17.00 |
| 5320MHz | Pass | 16.72 | -6.18 | -5.41 | -5.53 | -5.66 | 0.12 | 0.28 | 16.84 | 17.00 |
| 5500MHz | Pass | 16.72 | -6.48 | -5.24 | -5.63 | -6.04 | 0.09 | 0.28 | 16.81 | 17.00 |
| 5580MHz | Pass | 16.72 | -6.42 | -5.08 | -5.47 | -5.56 | 0.27 | 0.28 | 16.99 | 17.00 |
| 5700MHz | Pass | 16.72 | -6.21 | -5.66 | -5.59 | -6.03 | -0.00 | 0.28 | 16.72 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 16.72 | -6.48 | -5.96 | -5.74 | -6.05 | -0.13 | 0.28 | 16.59 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 16.72 | -8.26 | -7.83 | -7.37 | -8.04 | -1.87 | 19.28 | 14.85 | 36.00 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 16.72 | -8.03 | -7.53 | -7.39 | -8.06 | -2.17 | 0.28 | 14.55 | 17.00 |
| 5310MHz | Pass | 16.72 | -8.12 | -7.61 | -7.87 | -8.21 | -2.12 | 0.28 | 14.60 | 17.00 |
| 5510MHz | Pass | 16.72 | -8.23 | -7.48 | -7.91 | -8.21 | -2.29 | 0.28 | 14.43 | 17.00 |
| 5550MHz | Pass | 16.72 | -8.43 | -7.96 | -7.83 | -8.05 | -2.27 | 0.28 | 14.45 | 17.00 |
| 5670MHz | Pass | 16.72 | -8.25 | -7.70 | -7.52 | -8.24 | -2.18 | 0.28 | 14.54 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 16.72 | -8.74 | -8.51 | -7.95 | -8.55 | -2.57 | 0.28 | 14.15 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 16.72 | -10.99 | -10.98 | -9.83 | -11.17 | -4.82 | 19.28 | 11.90 | 36.00 |



| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 16.72 | -9.41 | -10.88 | -11.10 | -11.50 | -5.45 | 0.28 | 11.27 | 17.00 |
| 5530MHz | Pass | 16.72 | -11.25 | -11.06 | -10.94 | -11.21 | -5.38 | 0.28 | 11.34 | 17.00 |
| 5610MHz | Pass | 16.72 | -10.95 | -10.18 | -9.92 | -10.10 | -4.84 | 0.28 | 11.88 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 16.72 | -11.95 | -10.95 | -11.53 | -11.35 | -5.78 | 0.28 | 10.94 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 16.72 | -14.27 | -15.39 | -14.19 | -14.98 | -8.91 | 19.28 | 7.81 | 36.00 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 16.72 | -11.44 | -12.12 | -10.56 | -11.50 | -5.86 | 6.28 | 10.86 | 23.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 16.72 | -11.43 | -11.00 | -11.74 | -11.56 | -5.90 | 0.28 | 10.82 | 17.00 |
| 5570MHz | Pass | 16.72 | -13.25 | -12.41 | -12.60 | -12.83 | -7.35 | 0.28 | 9.37 | 17.00 |

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

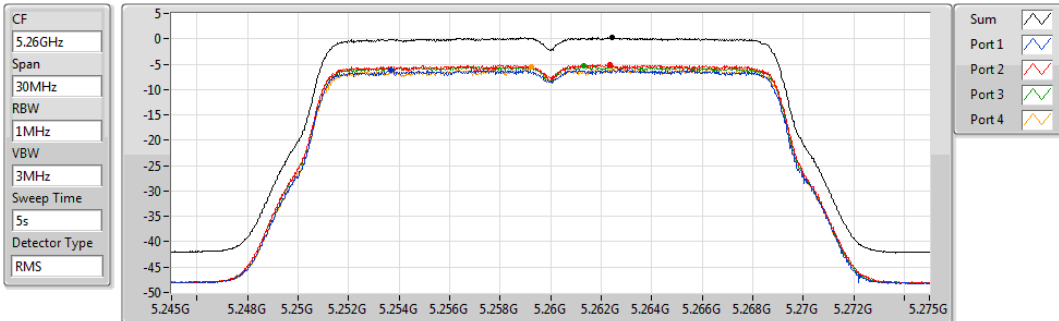
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

04/12/2019



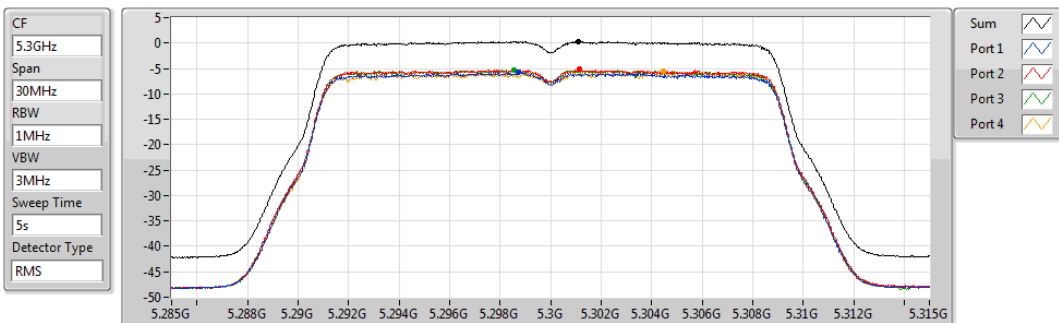
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.26 | 0.26 | -6.13 | -5.06 | -5.33 | -5.58 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

03/12/2019



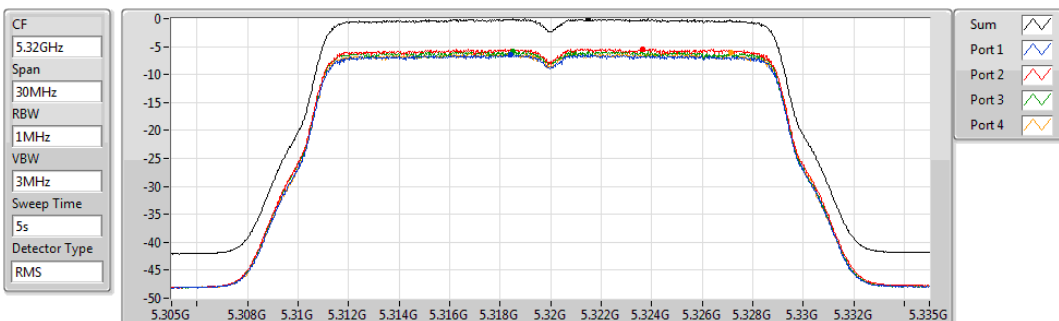
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.26 | 0.26 | -5.69 | -5.12 | -5.21 | -5.62 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

03/12/2019



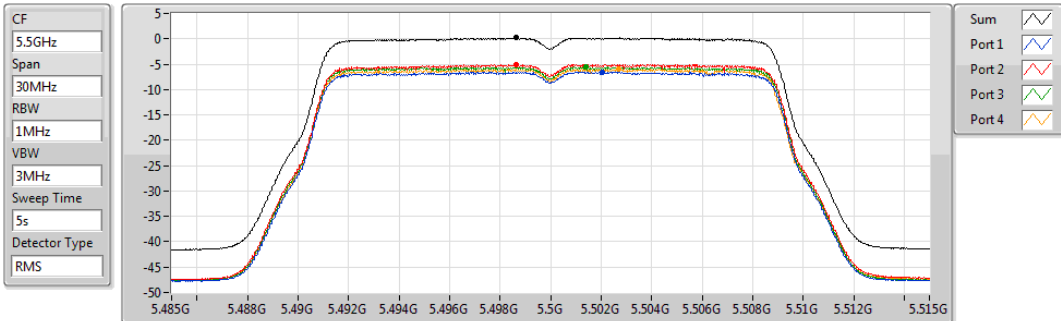
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.03 | -0.03 | -6.35 | -5.40 | -5.78 | -5.96 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

03/12/2019



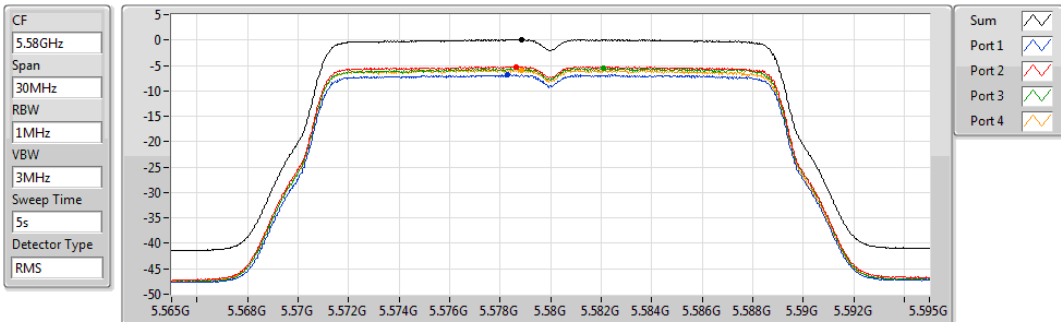
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.20 | 0.20 | -6.53 | -5.04 | -5.60 | -5.99 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

03/12/2019



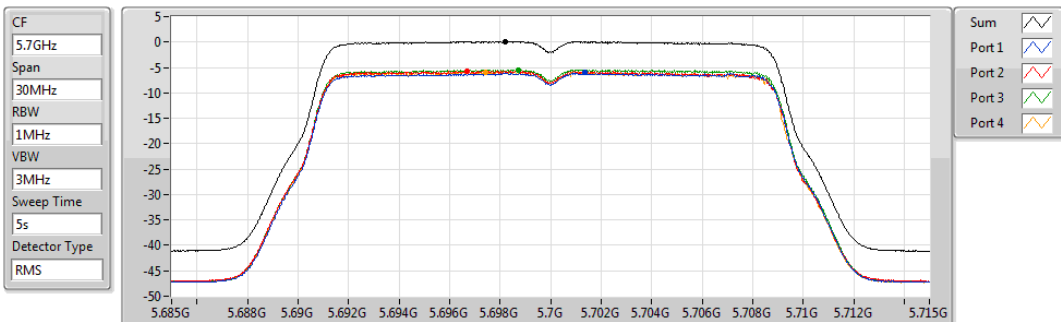
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.11 | 0.11 | -6.81 | -5.24 | -5.61 | -5.88 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

03/12/2019



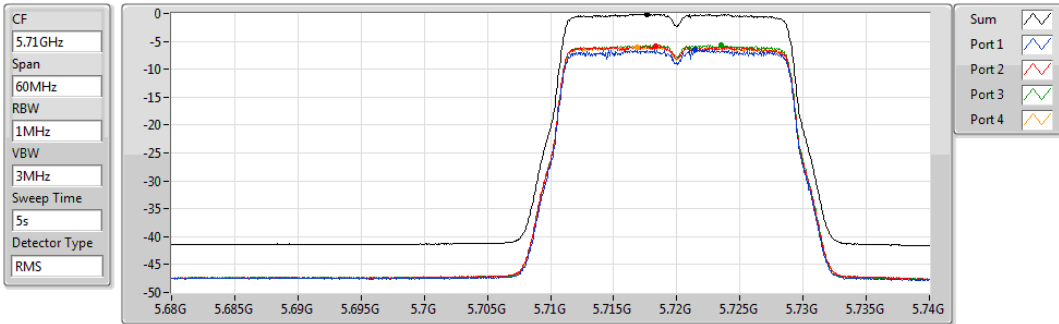
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.11 | 0.11 | -6.03 | -5.73 | -5.45 | -5.92 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz

PSD

03/12/2019



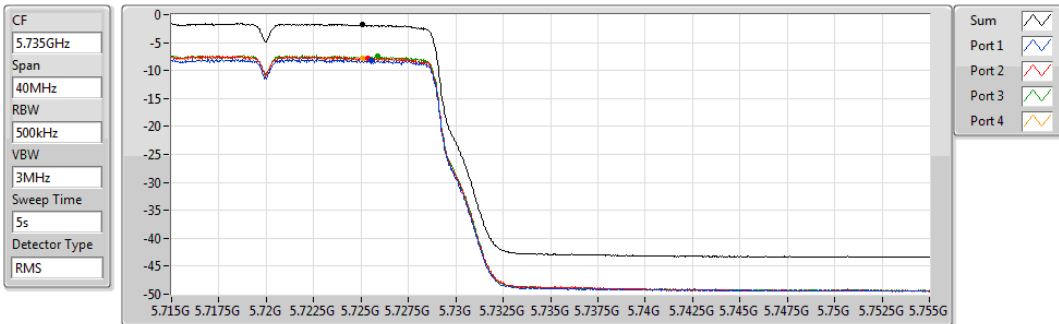
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.12 | -0.12 | -6.53 | -5.92 | -5.67 | -6.04 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

03/12/2019



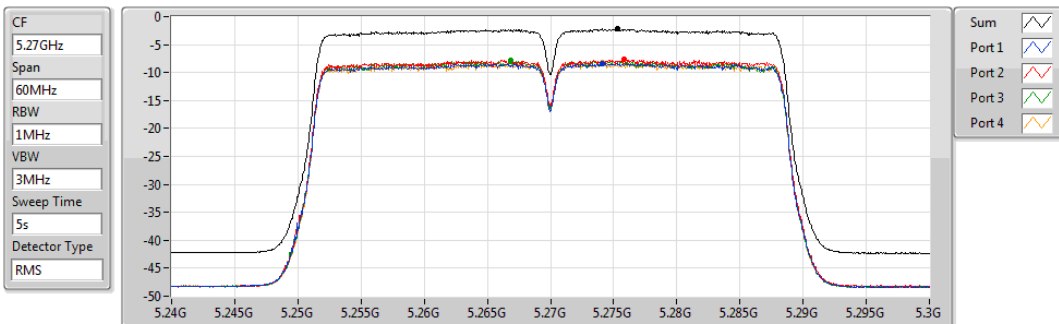
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.84 | -1.84 | -8.20 | -7.77 | -7.45 | -7.84 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz

PSD

03/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.23 | -2.23 | -8.31 | -7.70 | -7.89 | -8.17 |

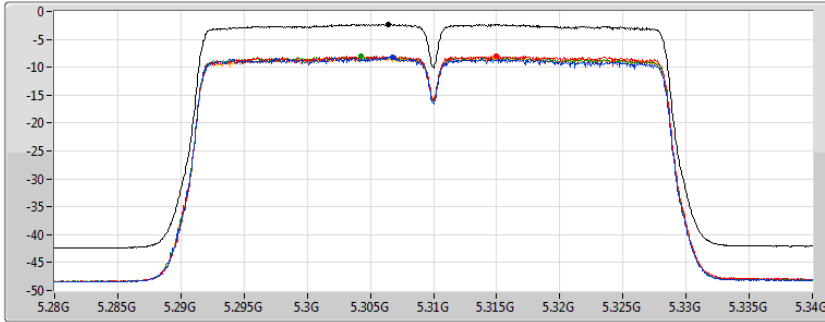
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

03/12/2019

CF
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.27 | -2.27 | -8.19 | -7.93 | -8.03 | -8.22 |

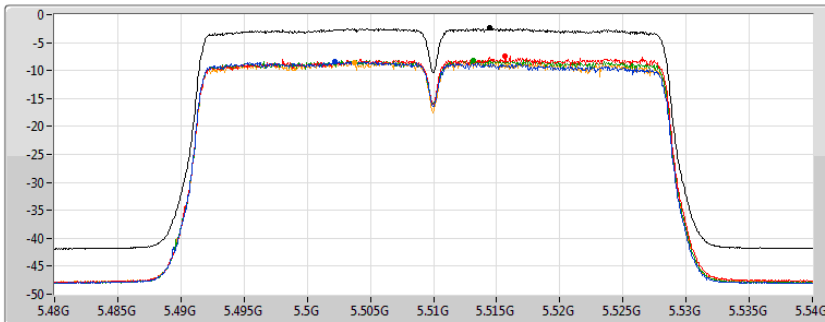
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

03/12/2019

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.41 | -2.41 | -8.37 | -7.37 | -8.12 | -8.54 |

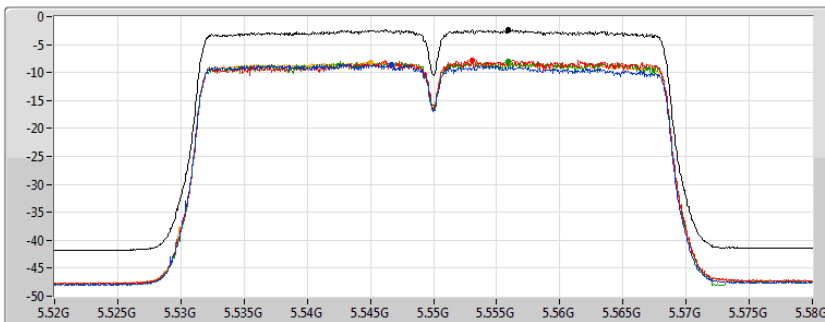
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

03/12/2019

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.37 | -2.37 | -8.52 | -7.79 | -8.05 | -8.19 |

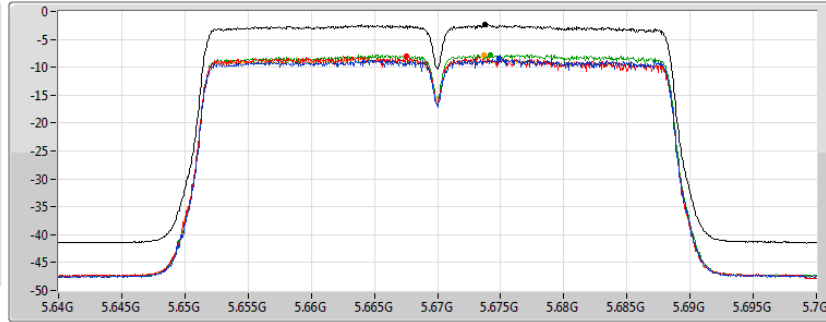
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

03/12/2019

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.36 | -2.36 | -8.49 | -7.92 | -7.73 | -7.76 |

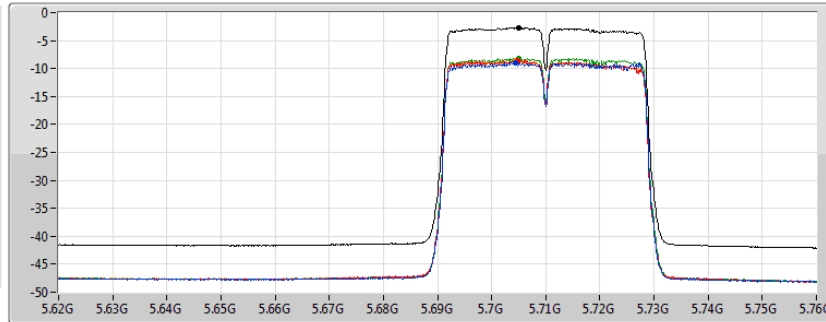
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

03/12/2019

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.70 | -2.70 | -8.95 | -8.59 | -8.18 | -8.66 |

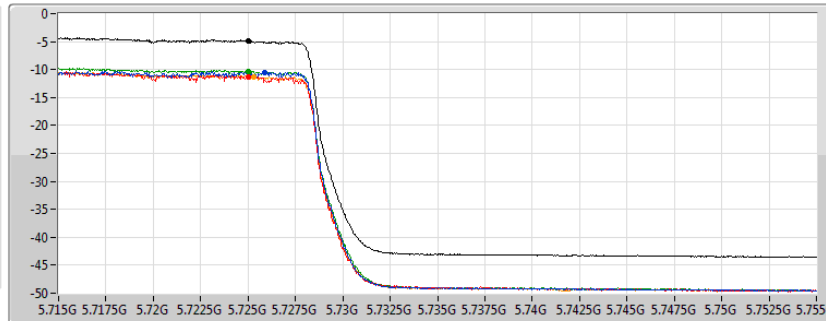
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

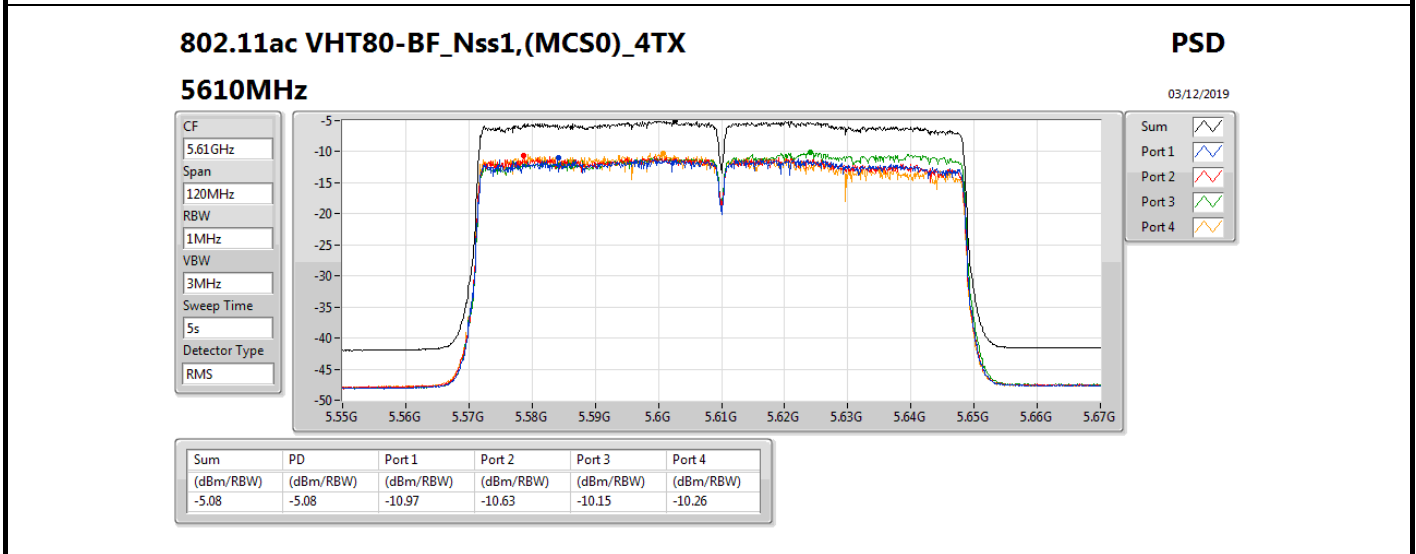
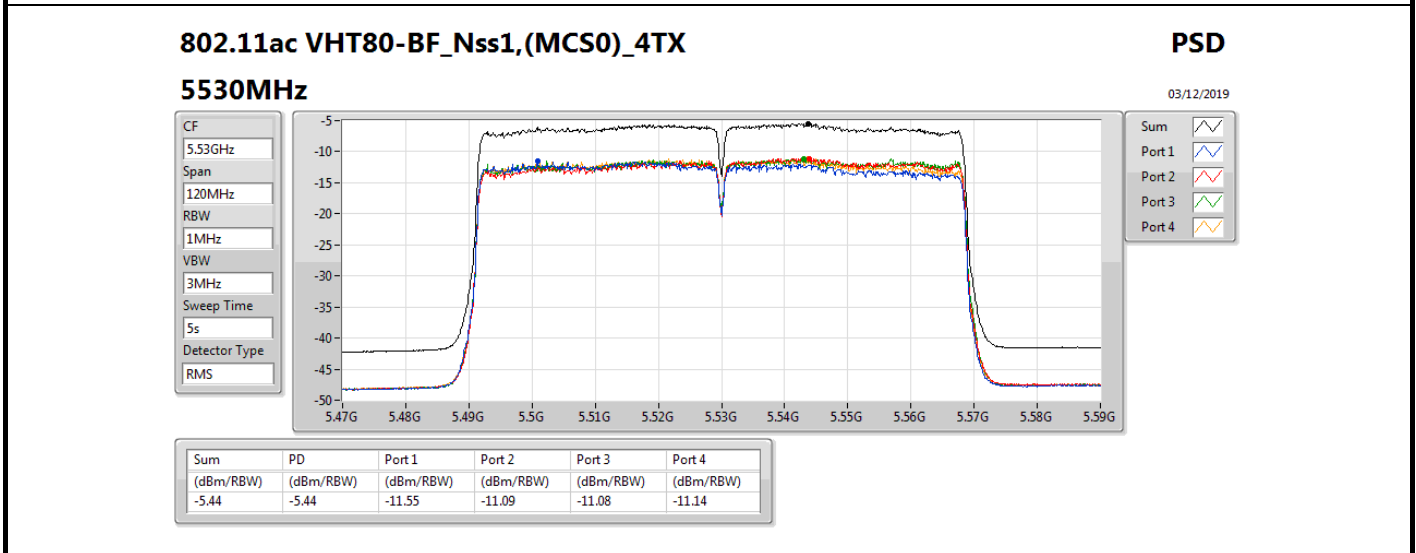
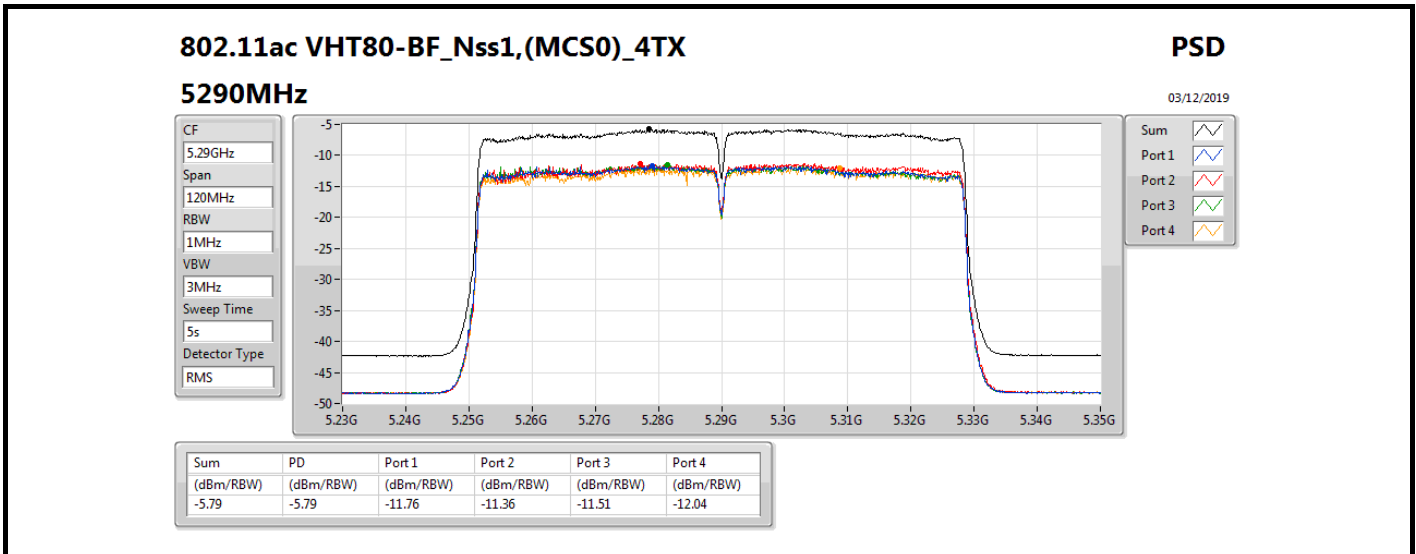
03/12/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.93 | -4.93 | -10.45 | -11.27 | -10.41 | -11.27 |

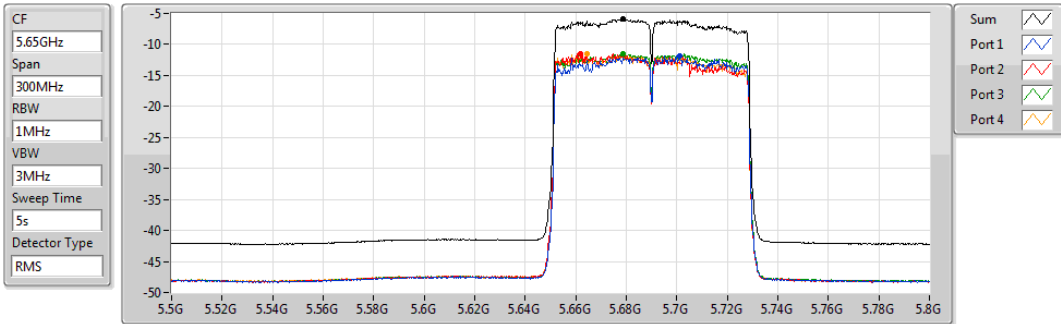


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

04/12/2019



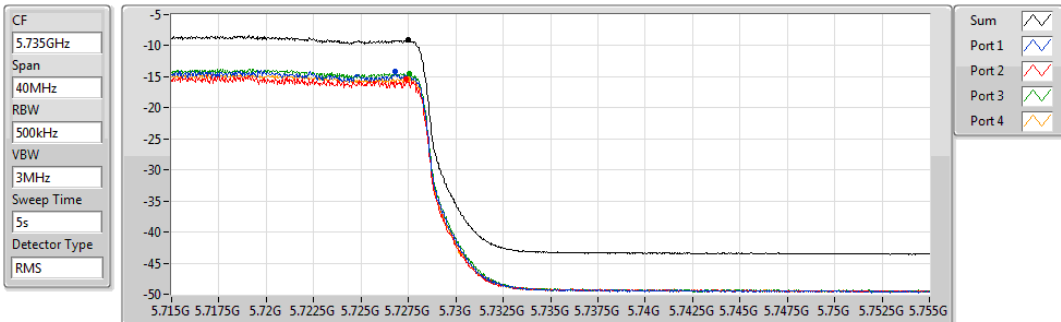
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.86 | -5.86 | -11.78 | -11.44 | -11.52 | -11.52 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

04/12/2019



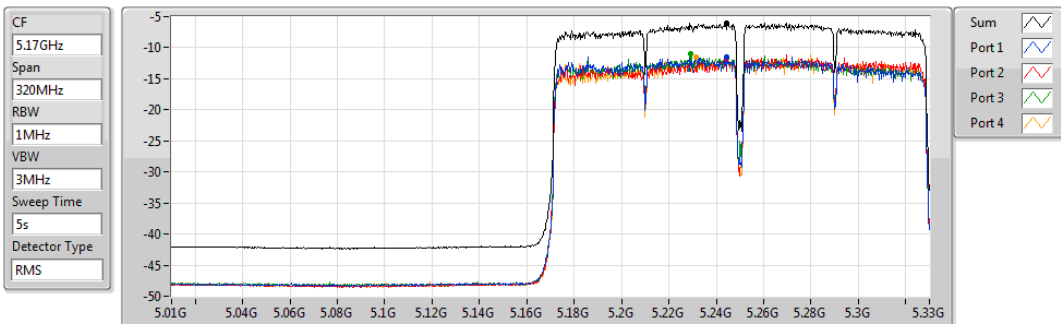
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.00 | -9.00 | -14.21 | -15.35 | -14.49 | -15.29 |

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

04/12/2019



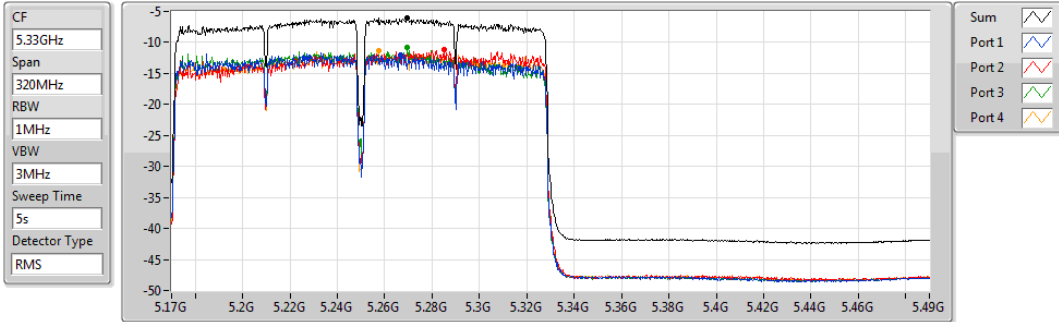
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.02 | -6.02 | -11.43 | -11.76 | -10.92 | -11.55 |

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

04/12/2019



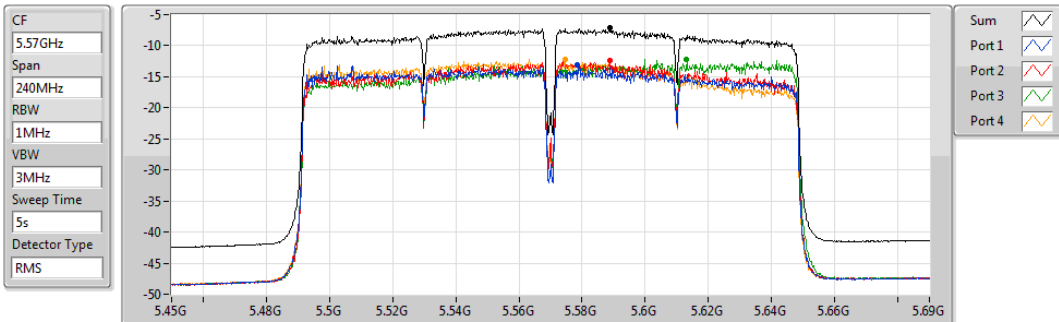
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.99 | -5.99 | -12.00 | -11.23 | -10.76 | -11.39 |

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

04/12/2019



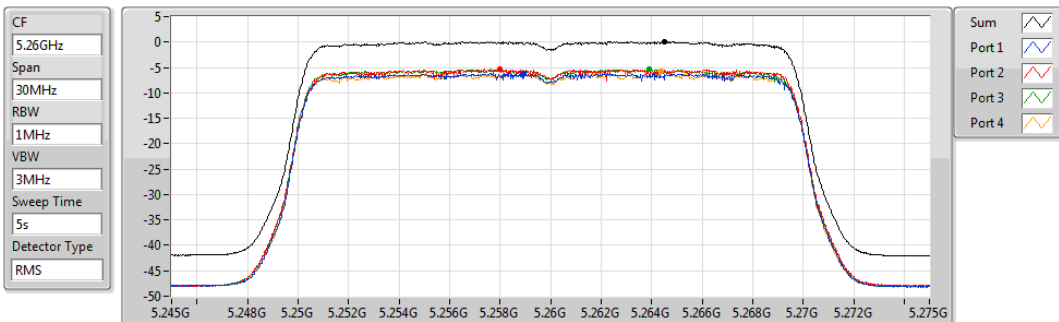
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -7.15 | -7.15 | -13.06 | -12.43 | -12.21 | -12.24 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

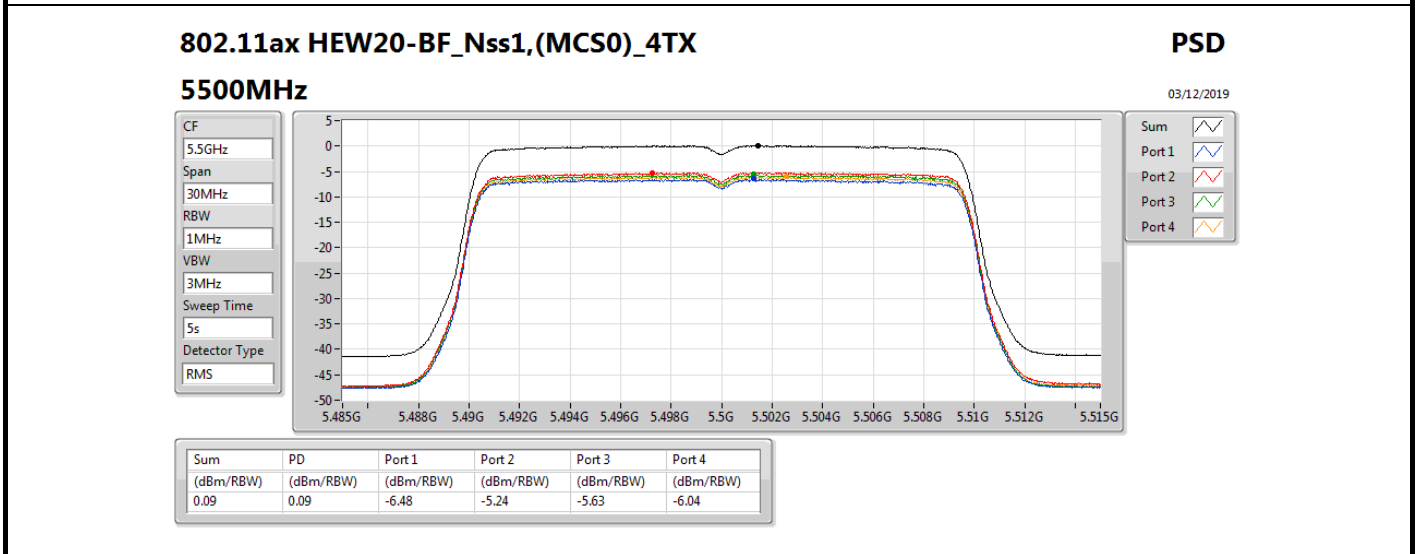
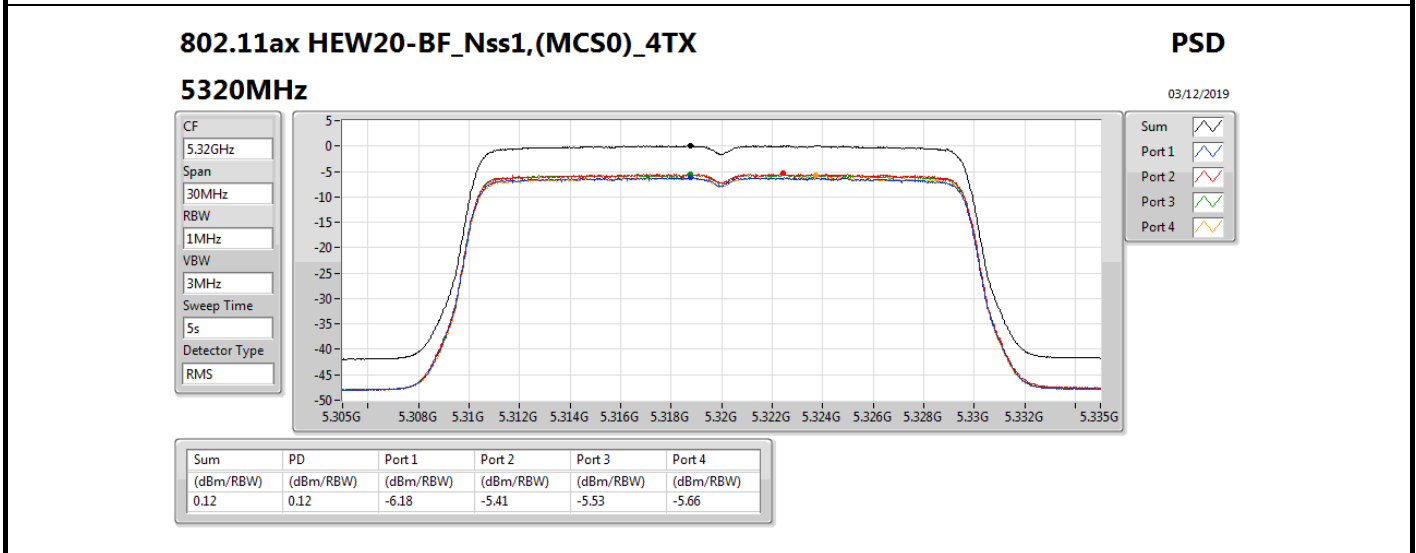
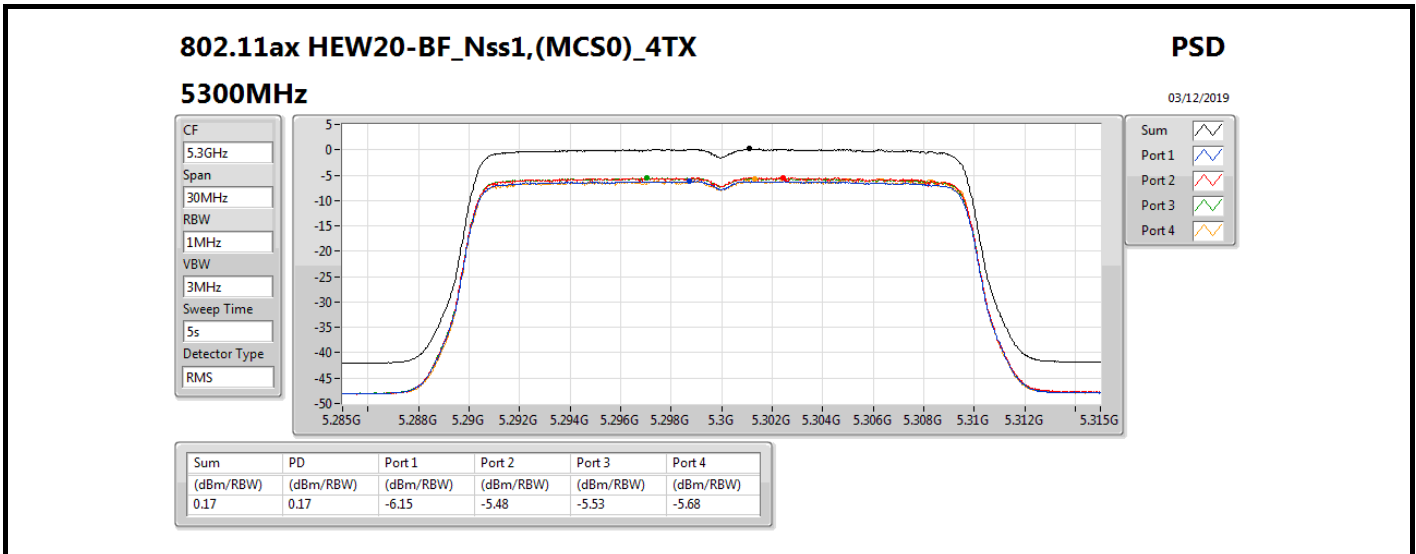
PSD

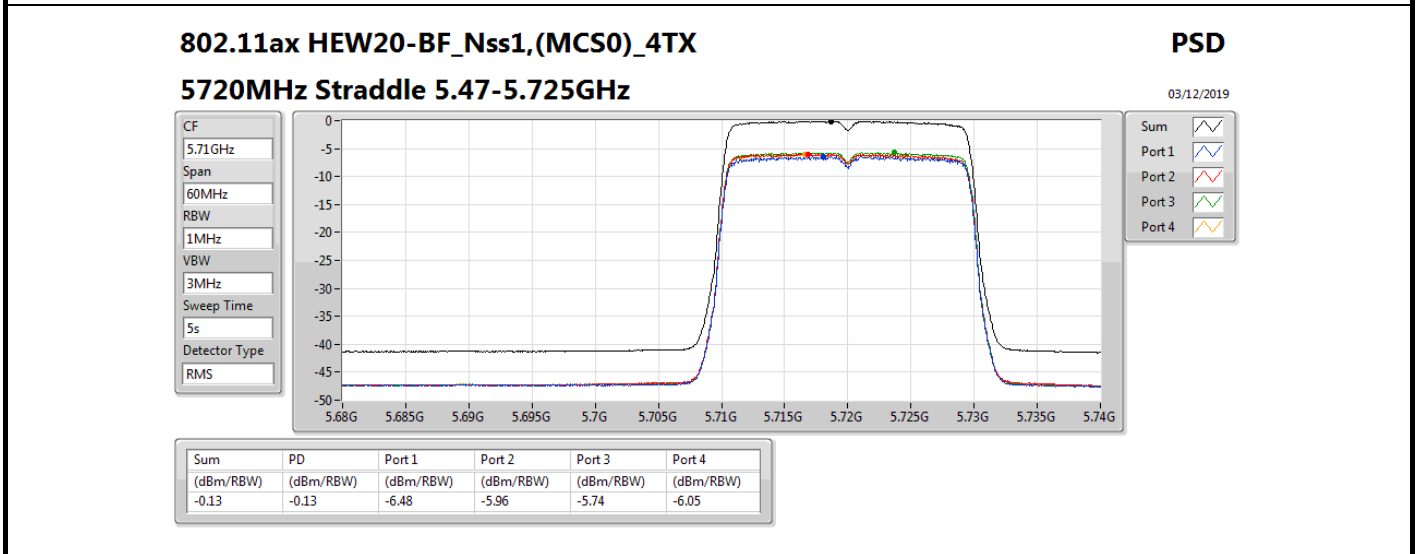
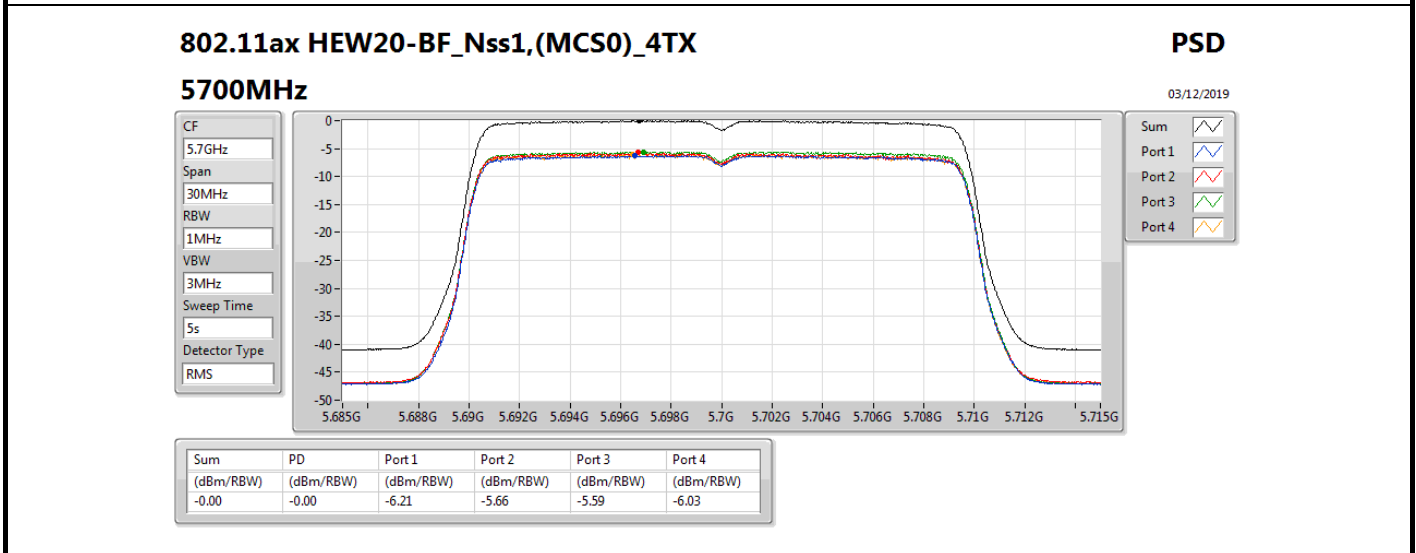
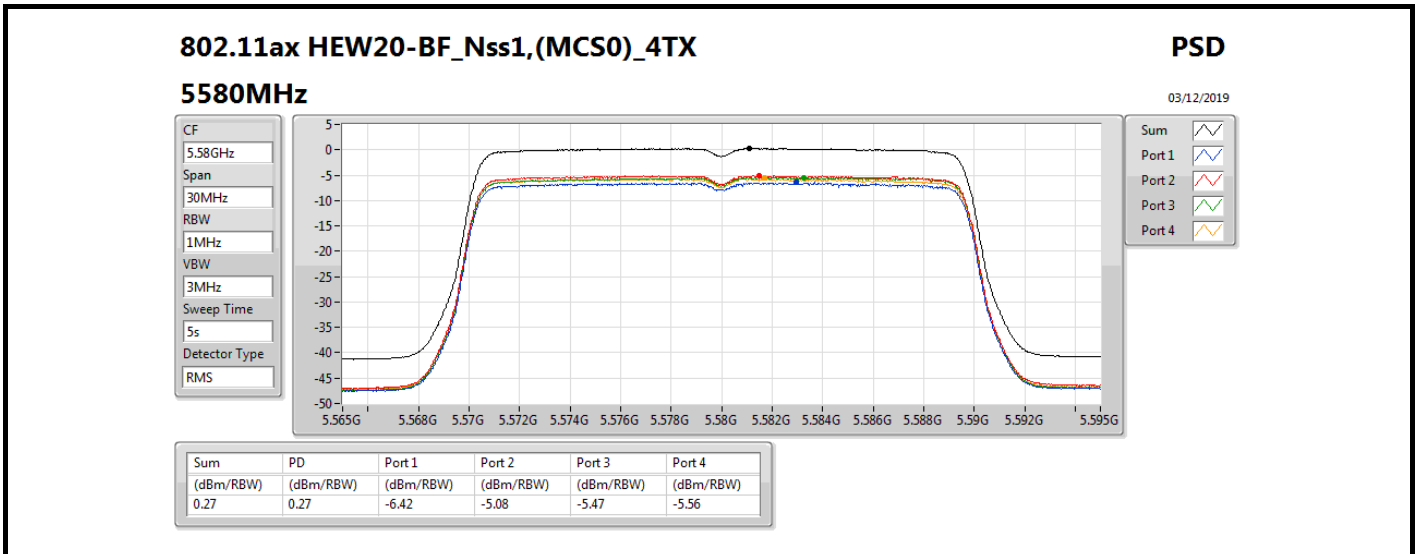
5260MHz

03/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.13 | 0.13 | -6.18 | -5.39 | -5.33 | -5.64 |



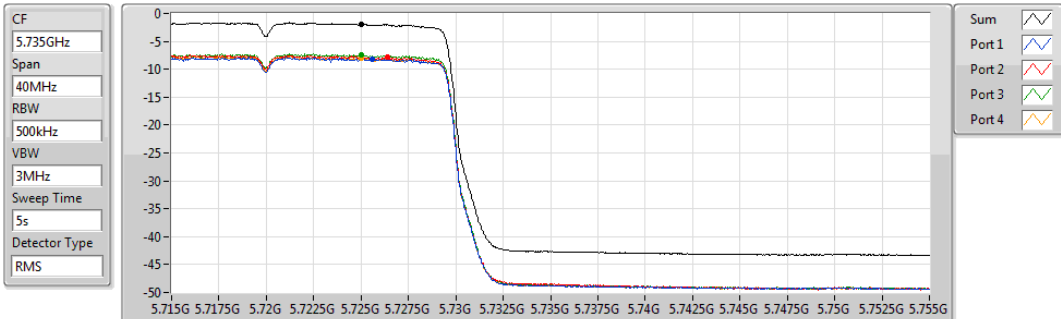


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

03/12/2019



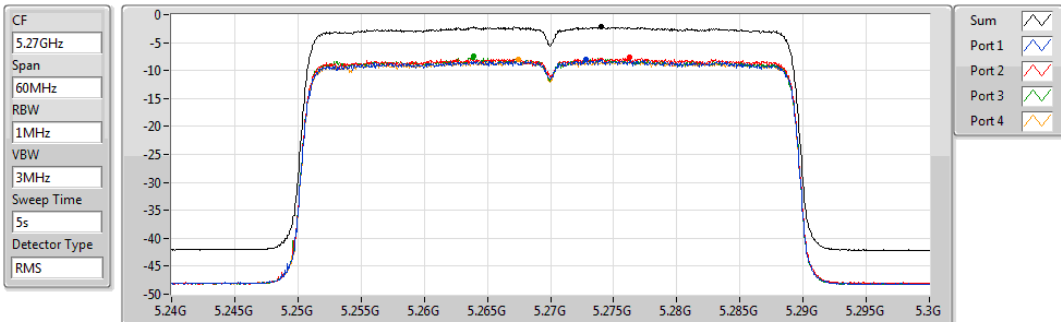
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.87 | -1.87 | -8.26 | -7.83 | -7.37 | -8.04 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

03/12/2019



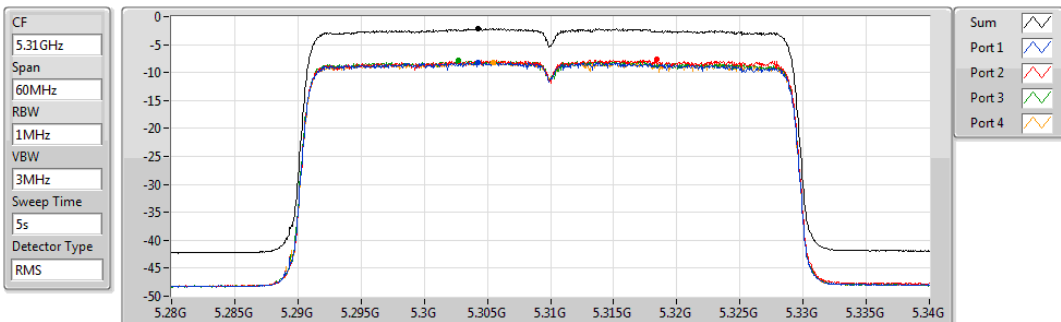
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.17 | -2.17 | -8.03 | -7.53 | -7.39 | -8.06 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

03/12/2019



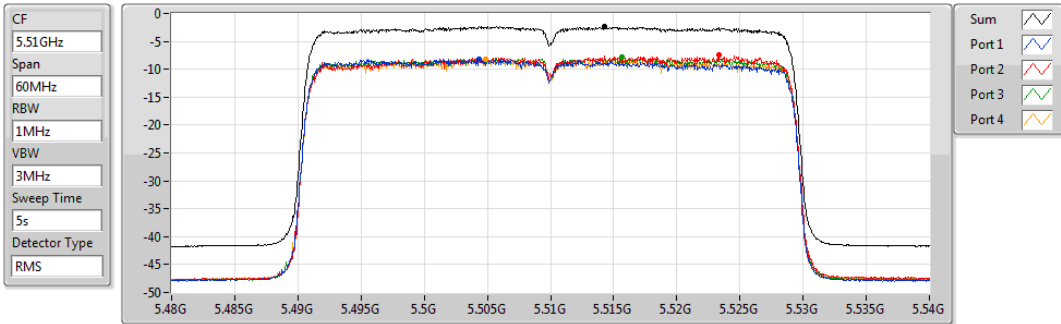
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.12 | -2.12 | -8.12 | -7.61 | -7.87 | -8.21 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

03/12/2019



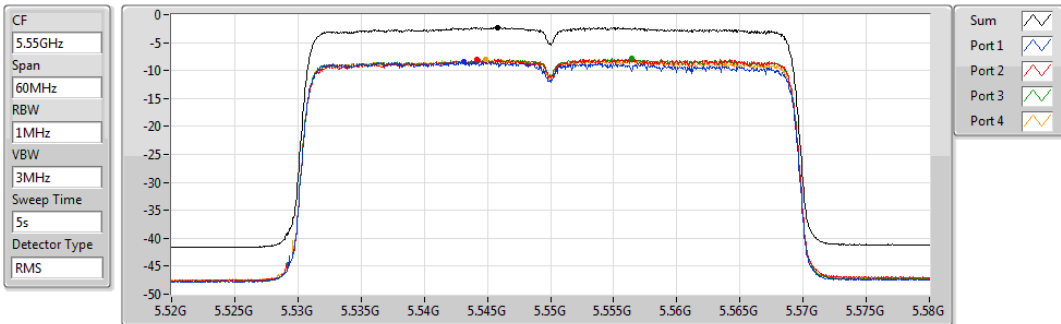
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.29 | -2.29 | -8.23 | -7.48 | -7.91 | -8.21 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

03/12/2019



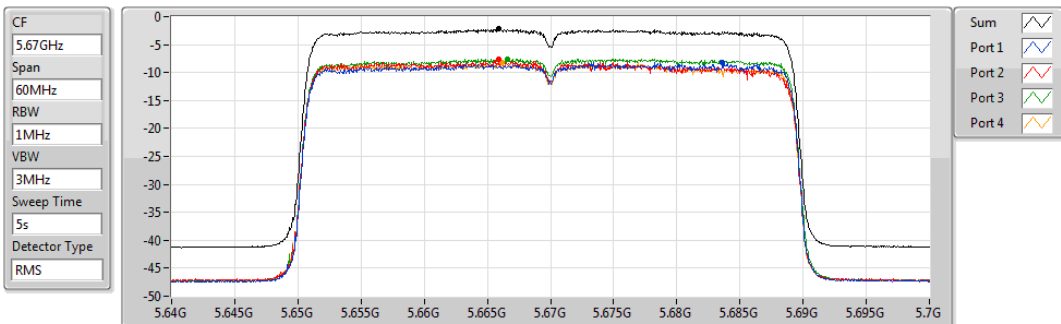
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.27 | -2.27 | -8.43 | -7.96 | -7.83 | -8.05 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

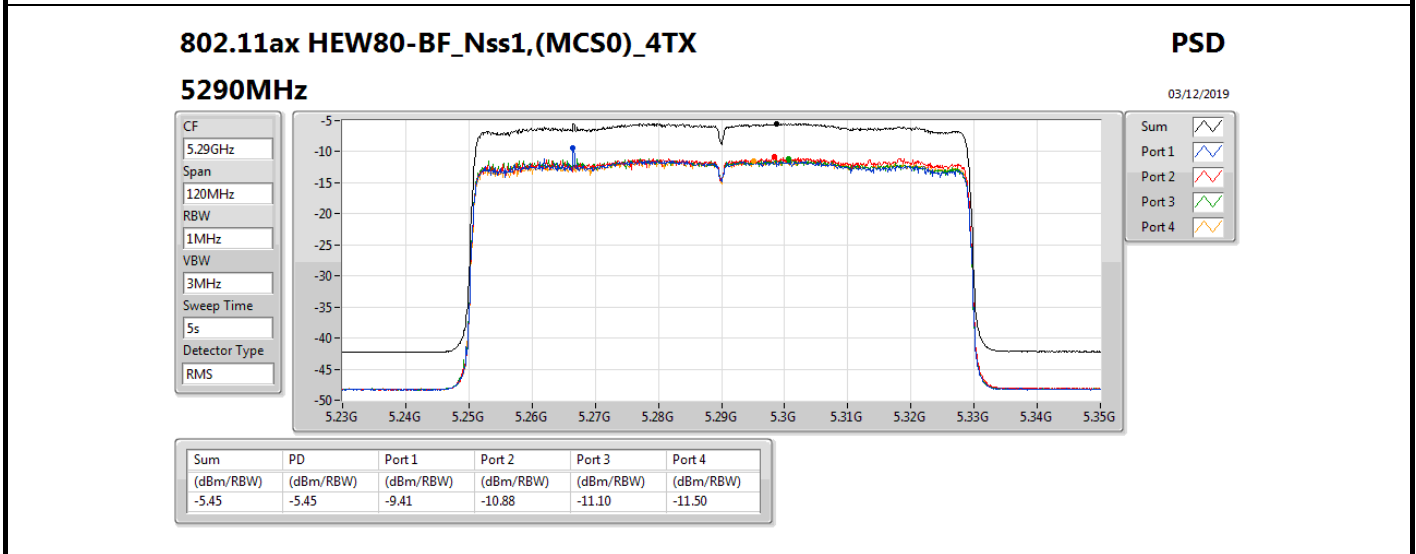
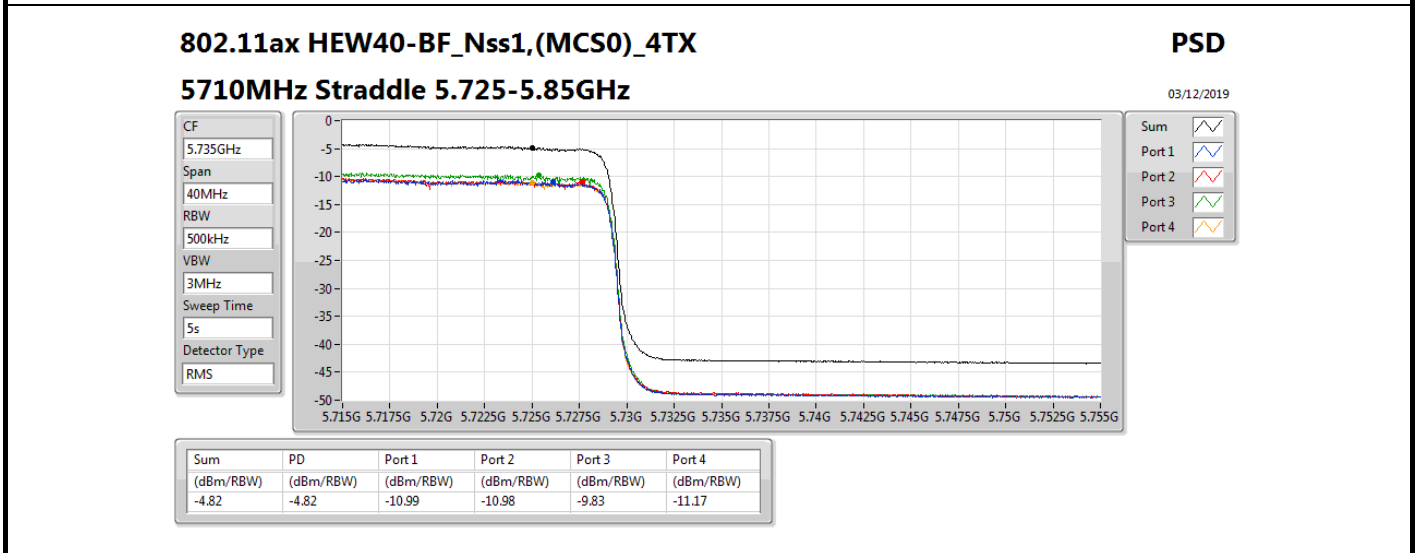
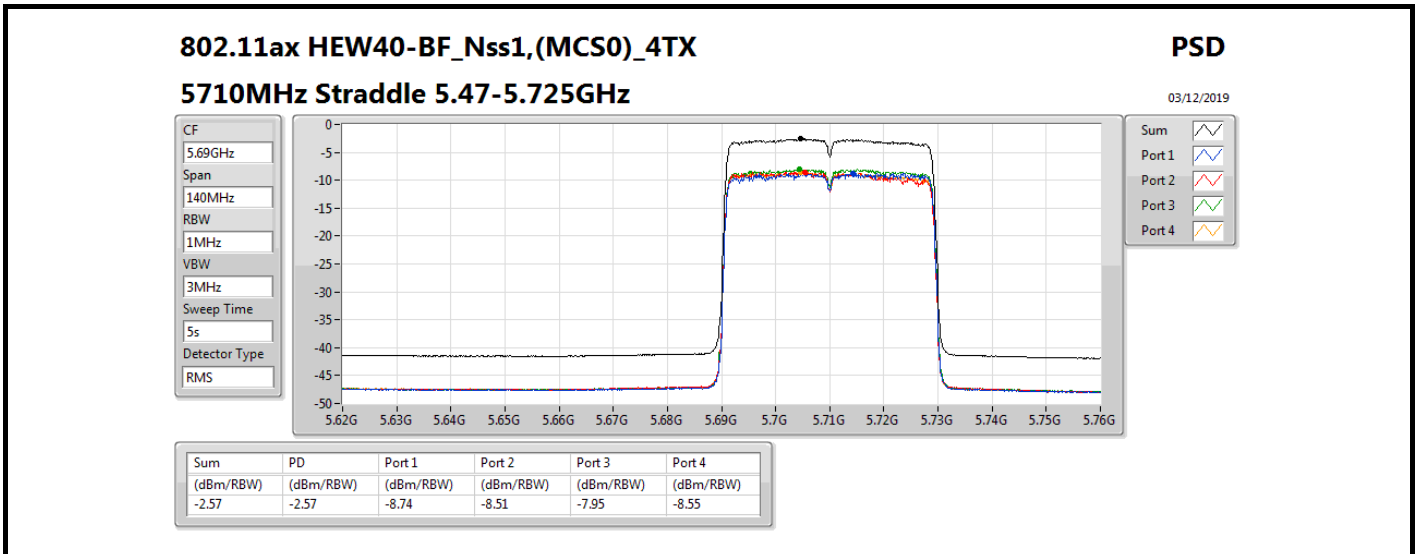
PSD

5670MHz

03/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.18 | -2.18 | -8.25 | -7.70 | -7.52 | -8.24 |

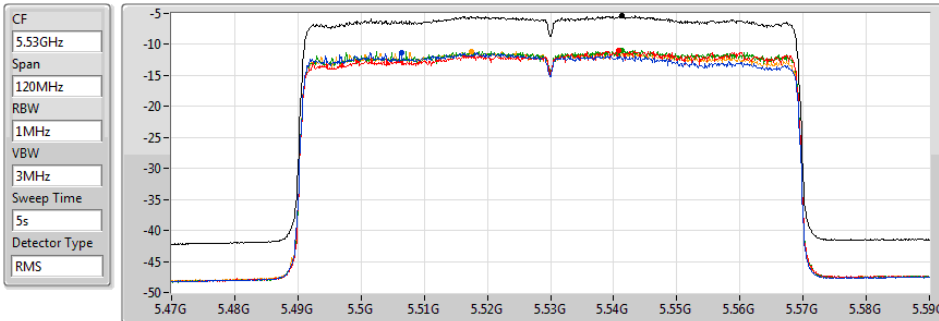


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

03/12/2019



- Sum
- Port 1
- Port 2
- Port 3
- Port 4

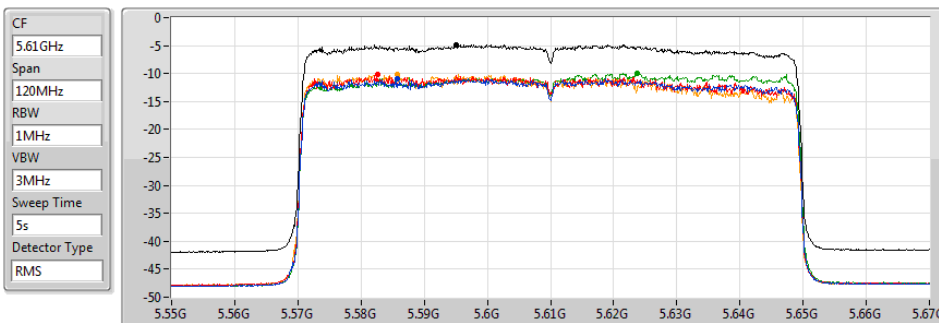
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.38 | -5.38 | -11.25 | -11.06 | -10.94 | -11.21 |

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

03/12/2019



- Sum
- Port 1
- Port 2
- Port 3
- Port 4

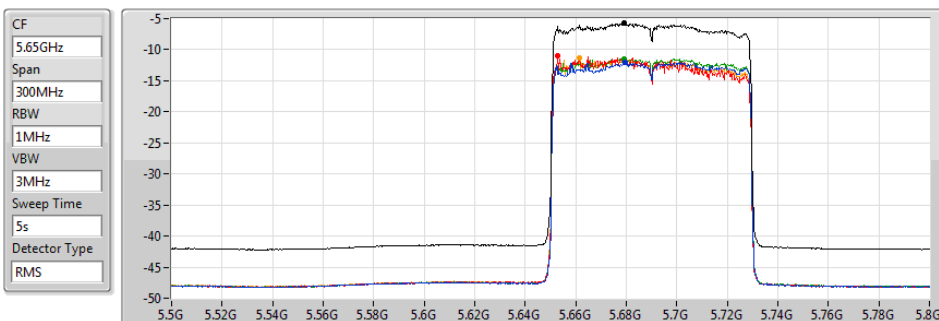
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.84 | -4.84 | -10.95 | -10.18 | -9.92 | -10.10 |

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

03/12/2019



- Sum
- Port 1
- Port 2
- Port 3
- Port 4

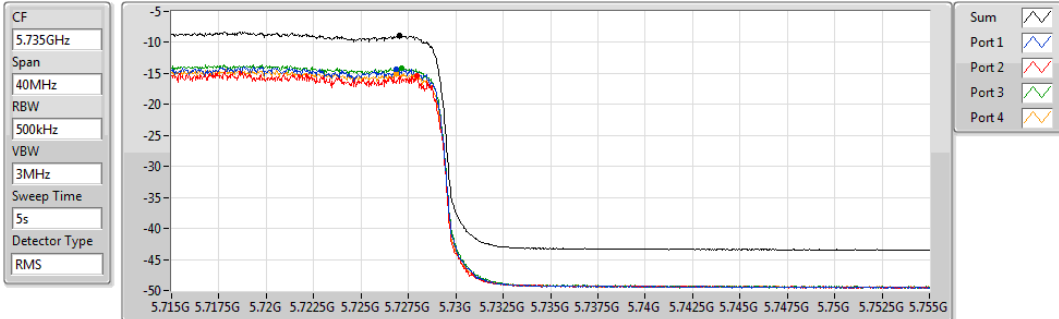
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.78 | -5.78 | -11.95 | -10.95 | -11.53 | -11.35 |

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

03/12/2019



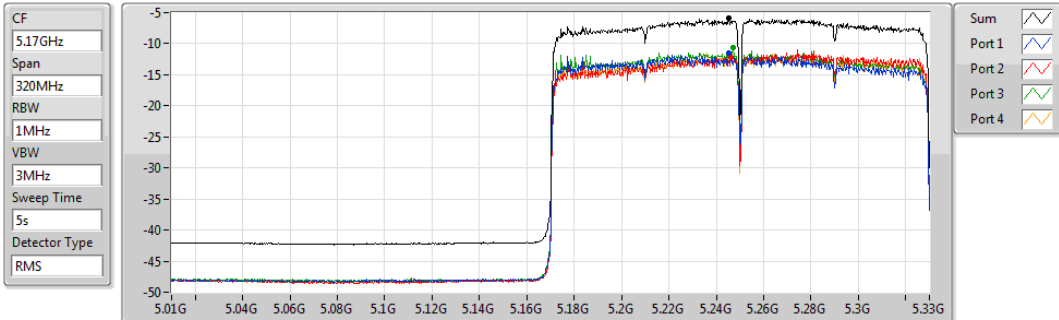
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.91 | -8.91 | -14.27 | -15.39 | -14.19 | -14.98 |

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

04/12/2019



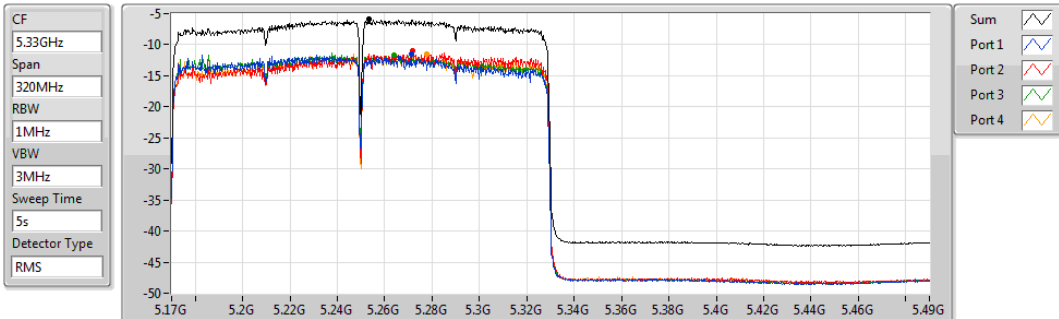
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.86 | -5.86 | -11.44 | -12.12 | -10.56 | -11.50 |

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

04/12/2019



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.90 | -5.90 | -11.43 | -11.00 | -11.74 | -11.56 |



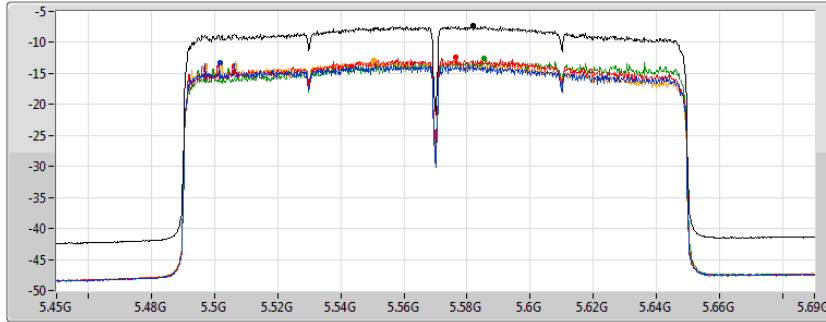
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

04/12/2019

CF
5.57GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -7.35 | -7.35 | -13.25 | -12.41 | -12.60 | -12.83 |



Summary

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|-----------------------------------|-----------------|----------------------|
| 5.25-5.35GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 5.87 | 16.88 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 3.59 | 14.60 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -3.17 | 7.84 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 5.61 | 16.62 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 3.90 | 14.91 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -3.05 | 7.96 |
| 5.47-5.725GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 5.90 | 16.91 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 3.37 | 14.38 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | 0.57 | 11.58 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 5.64 | 16.65 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 3.51 | 14.52 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | 0.66 | 11.67 |
| 5.725-5.85GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 4.12 | 15.13 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 0.62 | 11.63 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -3.14 | 7.87 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 3.77 | 14.78 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 0.95 | 11.96 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -2.86 | 8.15 |

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



Result

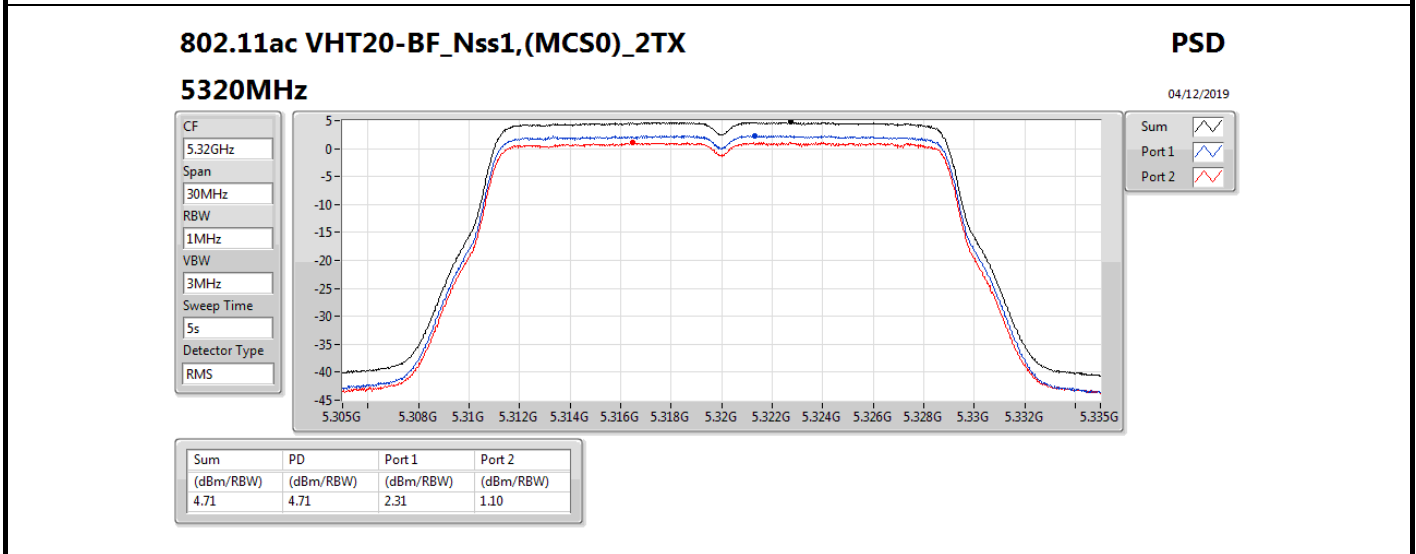
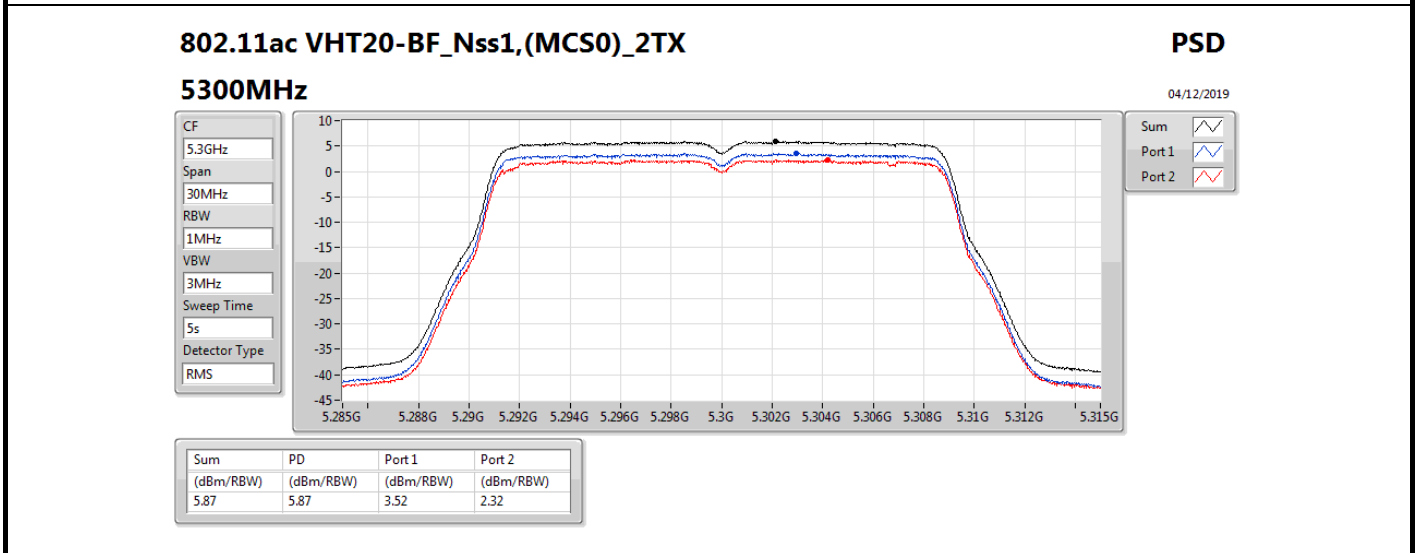
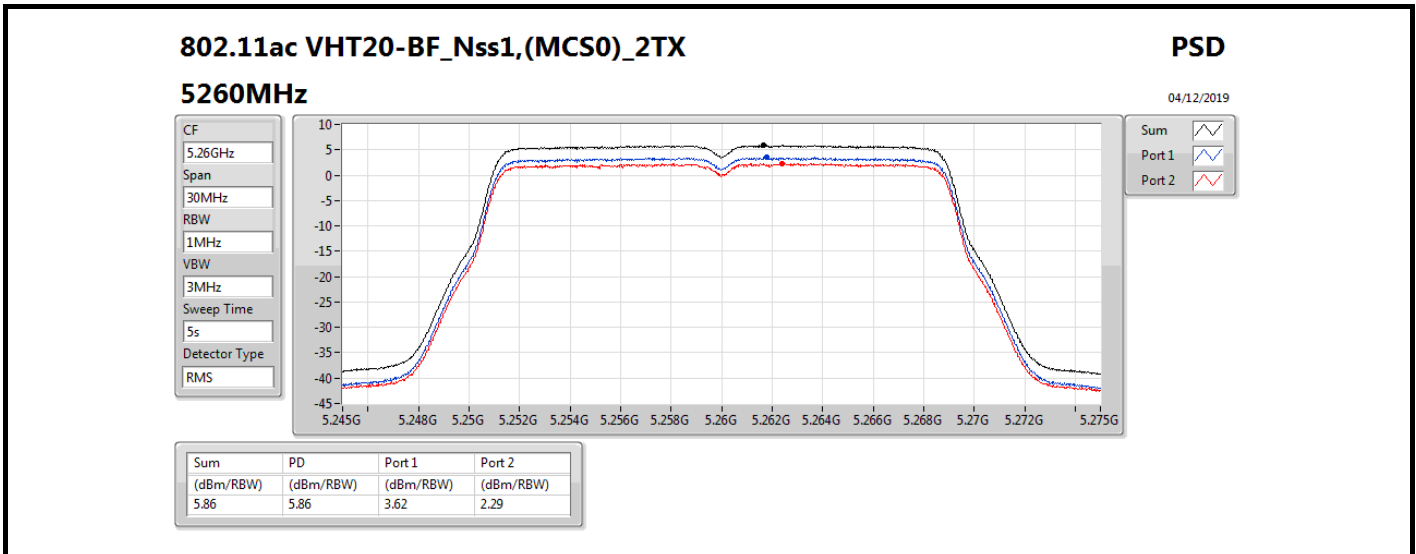
| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|--------|-------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5260MHz_TnomVnom | Pass | 11.01 | 3.62 | 2.29 | 5.86 | 5.99 | 16.87 | 17.00 |
| 5300MHz_TnomVnom | Pass | 11.01 | 3.52 | 2.32 | 5.87 | 5.99 | 16.88 | 17.00 |
| 5320MHz_TnomVnom | Pass | 11.01 | 2.31 | 1.10 | 4.71 | 5.99 | 15.72 | 17.00 |
| 5500MHz_TnomVnom | Pass | 11.01 | 2.70 | 2.12 | 5.39 | 5.99 | 16.40 | 17.00 |
| 5580MHz_TnomVnom | Pass | 11.01 | 3.19 | 2.54 | 5.86 | 5.99 | 16.87 | 17.00 |
| 5700MHz_TnomVnom | Pass | 11.01 | 0.23 | 0.06 | 3.03 | 5.99 | 14.04 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 11.01 | 3.21 | 2.65 | 5.90 | 5.99 | 16.91 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 11.01 | 1.44 | 0.88 | 4.12 | 24.99 | 15.13 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5270MHz_TnomVnom | Pass | 11.01 | 1.39 | -0.08 | 3.59 | 5.99 | 14.60 | 17.00 |
| 5310MHz_TnomVnom | Pass | 11.01 | -3.50 | -4.64 | -1.10 | 5.99 | 9.91 | 17.00 |
| 5510MHz_TnomVnom | Pass | 11.01 | -5.70 | -6.02 | -2.97 | 5.99 | 8.04 | 17.00 |
| 5550MHz_TnomVnom | Pass | 11.01 | 0.62 | 0.15 | 3.37 | 5.99 | 14.38 | 17.00 |
| 5670MHz_TnomVnom | Pass | 11.01 | -0.54 | -1.12 | 2.06 | 5.99 | 13.07 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 11.01 | 0.28 | -0.40 | 2.96 | 5.99 | 13.97 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 11.01 | -1.99 | -2.67 | 0.62 | 24.99 | 11.63 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5290MHz_TnomVnom | Pass | 11.01 | -6.15 | -5.84 | -3.17 | 5.99 | 7.84 | 17.00 |
| 5530MHz_TnomVnom | Pass | 11.01 | -4.78 | -5.45 | -2.29 | 5.99 | 8.72 | 17.00 |
| 5610MHz_TnomVnom | Pass | 11.01 | -2.24 | -2.57 | 0.57 | 5.99 | 11.58 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 11.01 | -3.24 | -3.24 | -0.44 | 5.99 | 10.57 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 11.01 | -6.04 | -6.26 | -3.14 | 24.99 | 7.87 | 36.00 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5260MHz_TnomVnom | Pass | 11.01 | 3.38 | 2.19 | 5.61 | 5.99 | 16.62 | 17.00 |
| 5300MHz_TnomVnom | Pass | 11.01 | 3.28 | 2.11 | 5.52 | 5.99 | 16.53 | 17.00 |
| 5320MHz_TnomVnom | Pass | 11.01 | 1.65 | 0.62 | 4.13 | 5.99 | 15.14 | 17.00 |
| 5500MHz_TnomVnom | Pass | 11.01 | 2.24 | 1.60 | 4.91 | 5.99 | 15.92 | 17.00 |
| 5580MHz_TnomVnom | Pass | 11.01 | 3.02 | 2.27 | 5.64 | 5.99 | 16.65 | 17.00 |
| 5700MHz_TnomVnom | Pass | 11.01 | -0.41 | -0.64 | 2.43 | 5.99 | 13.44 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 11.01 | 2.58 | 2.18 | 5.36 | 5.99 | 16.37 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 11.01 | 1.09 | 0.44 | 3.77 | 24.99 | 14.78 | 36.00 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5270MHz_TnomVnom | Pass | 11.01 | 1.55 | 0.53 | 3.90 | 5.99 | 14.91 | 17.00 |
| 5310MHz_TnomVnom | Pass | 11.01 | -3.53 | -4.61 | -1.04 | 5.99 | 9.97 | 17.00 |
| 5510MHz_TnomVnom | Pass | 11.01 | -5.68 | -5.92 | -2.89 | 5.99 | 8.12 | 17.00 |
| 5550MHz_TnomVnom | Pass | 11.01 | 0.97 | 0.31 | 3.51 | 5.99 | 14.52 | 17.00 |
| 5670MHz_TnomVnom | Pass | 11.01 | -0.45 | -0.89 | 2.21 | 5.99 | 13.22 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 11.01 | 0.31 | -0.17 | 2.98 | 5.99 | 13.99 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 11.01 | -1.81 | -2.31 | 0.95 | 24.99 | 11.96 | 36.00 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5290MHz_TnomVnom | Pass | 11.01 | -5.80 | -5.92 | -3.05 | 5.99 | 7.96 | 17.00 |
| 5530MHz_TnomVnom | Pass | 11.01 | -4.85 | -5.34 | -2.17 | 5.99 | 8.84 | 17.00 |
| 5610MHz_TnomVnom | Pass | 11.01 | -1.69 | -2.26 | 0.66 | 5.99 | 11.67 | 17.00 |



| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|--------|-------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 5690MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 11.01 | -2.75 | -3.18 | -0.19 | 5.99 | 10.82 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 11.01 | -5.51 | -5.94 | -2.86 | 24.99 | 8.15 | 36.00 |

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

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



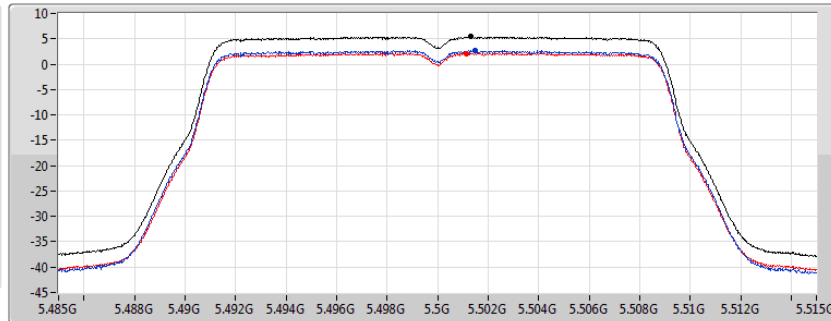
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5500MHz

04/12/2019

CF 5.5GHz
 Span 30MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 5s
 Detector Type RMS



Sum
 Port 1
 Port 2

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.39 | 5.39 | 2.70 | 2.12 |

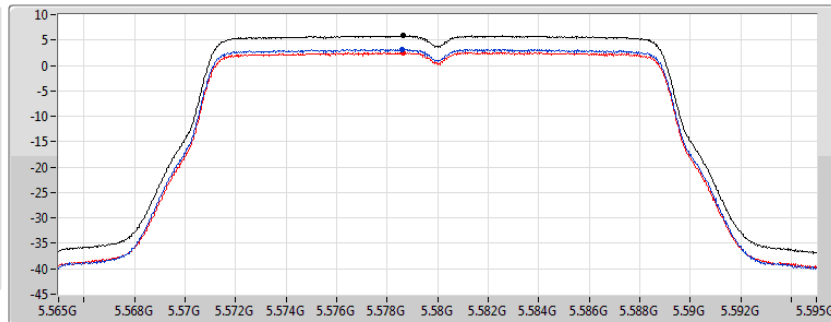
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5580MHz

04/12/2019

CF 5.58GHz
 Span 30MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 5s
 Detector Type RMS



Sum
 Port 1
 Port 2

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.86 | 5.86 | 3.19 | 2.54 |

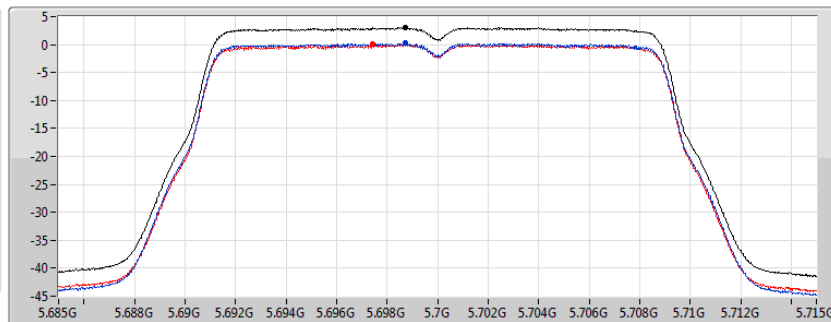
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5700MHz

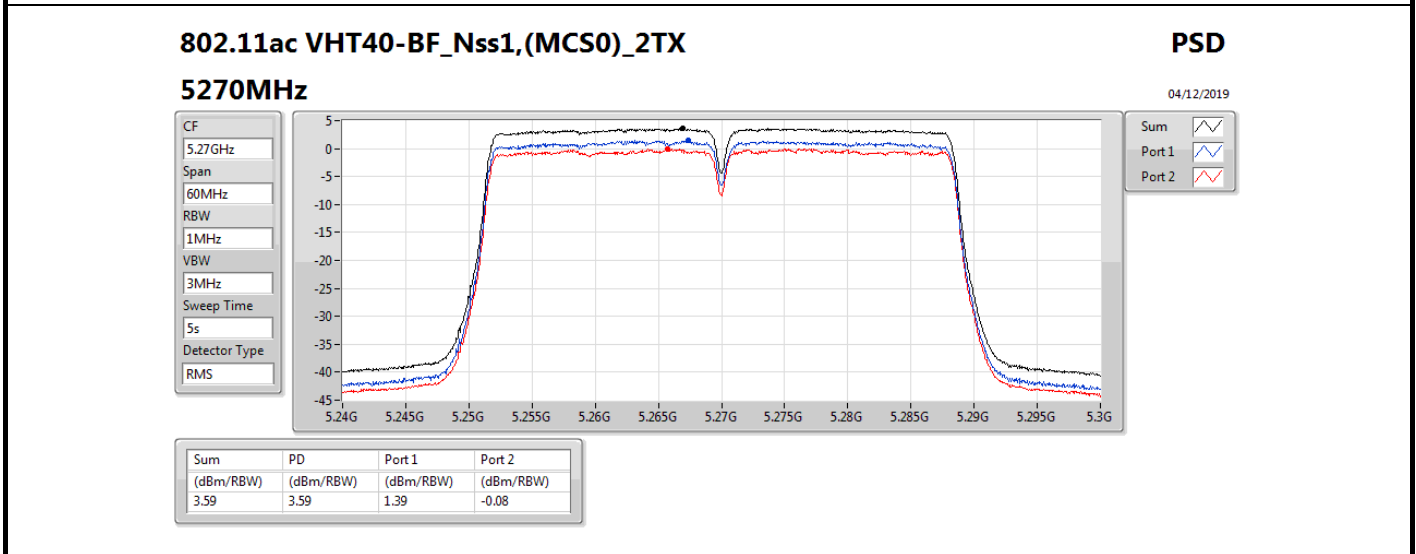
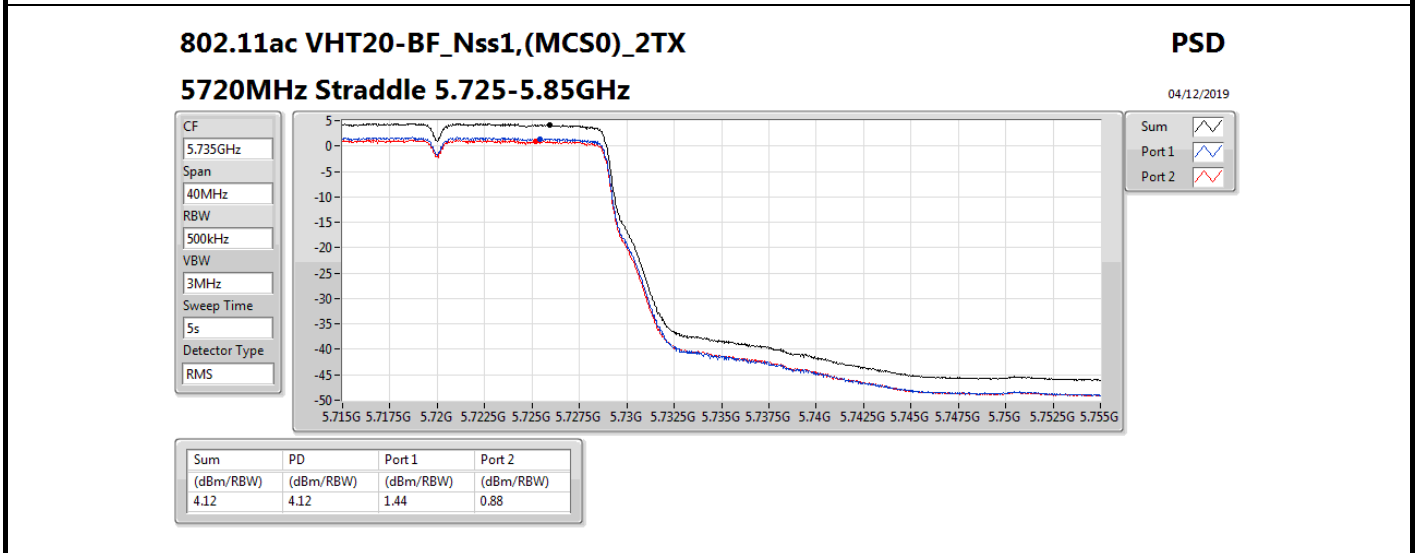
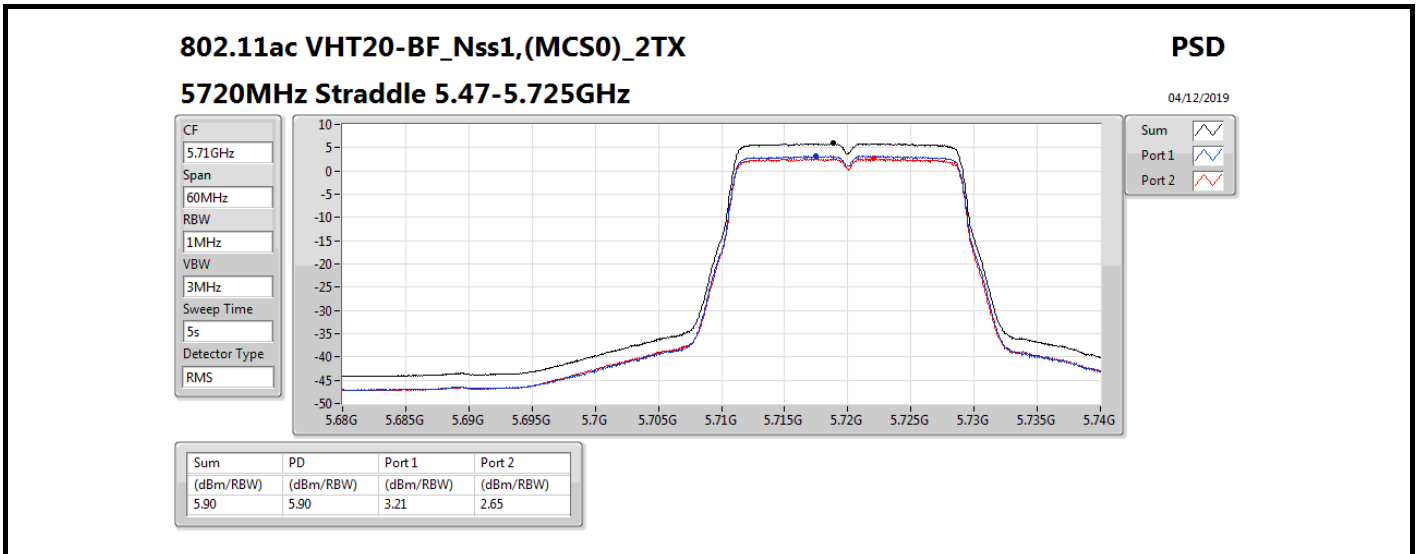
04/12/2019

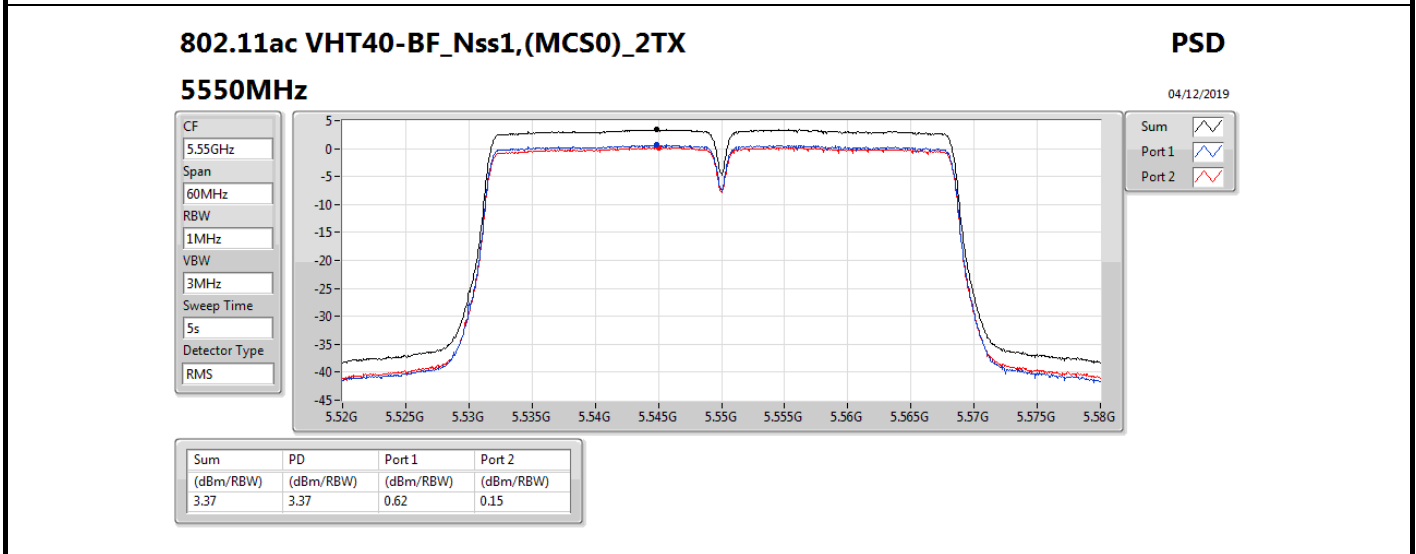
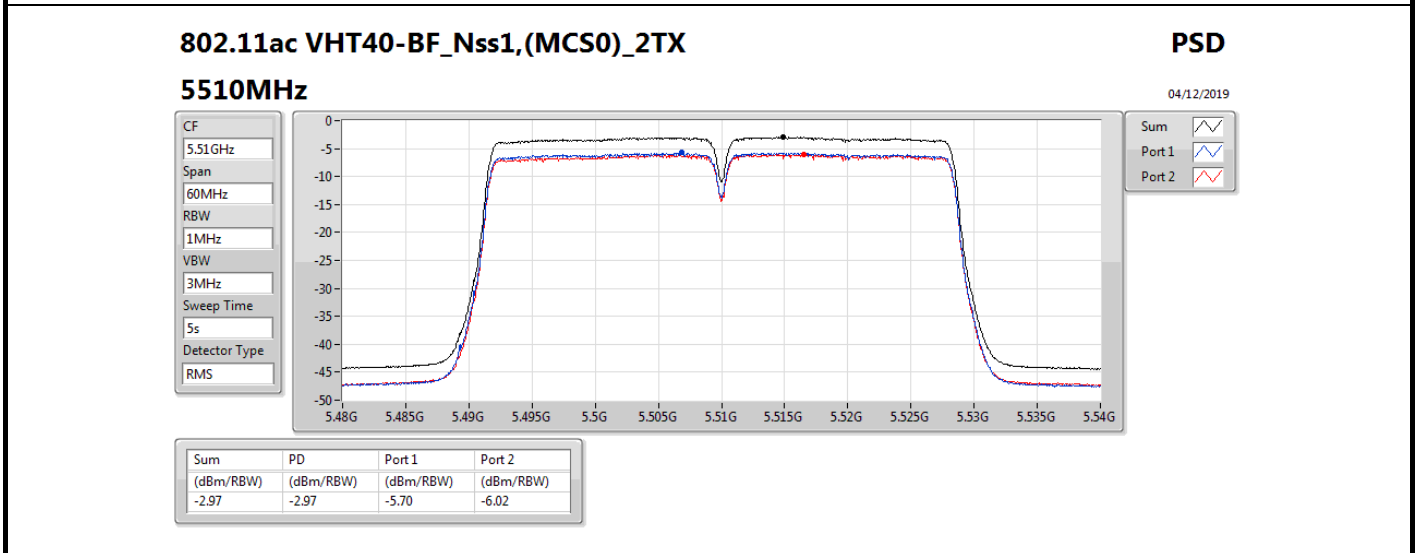
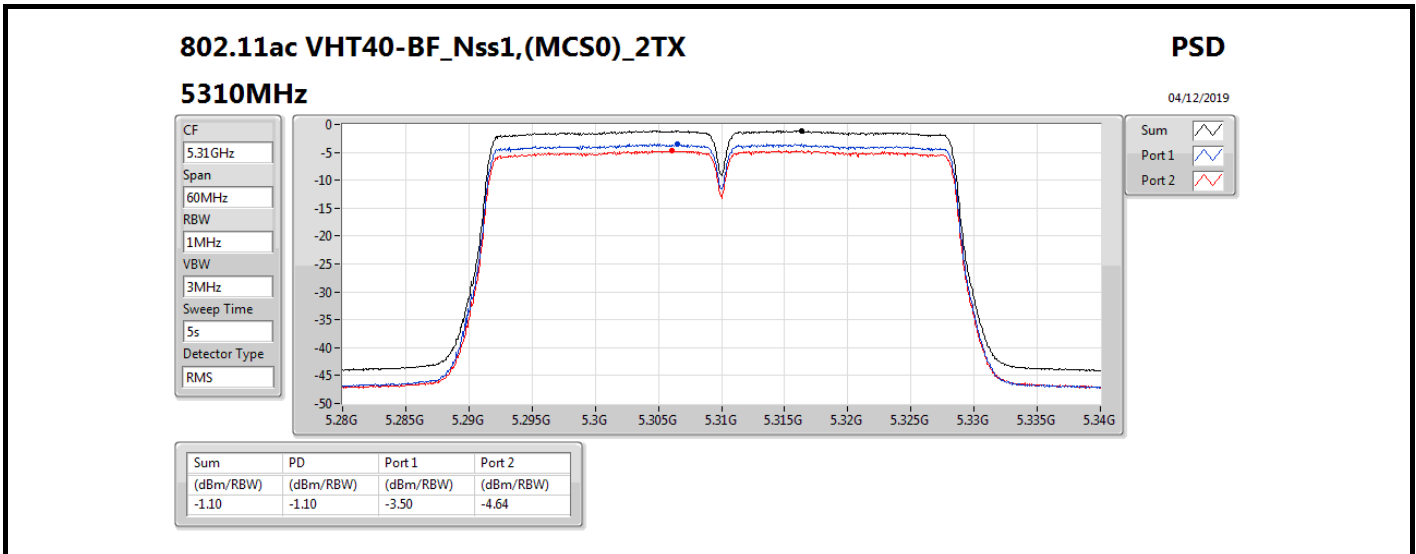
CF 5.7GHz
 Span 30MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 5s
 Detector Type RMS

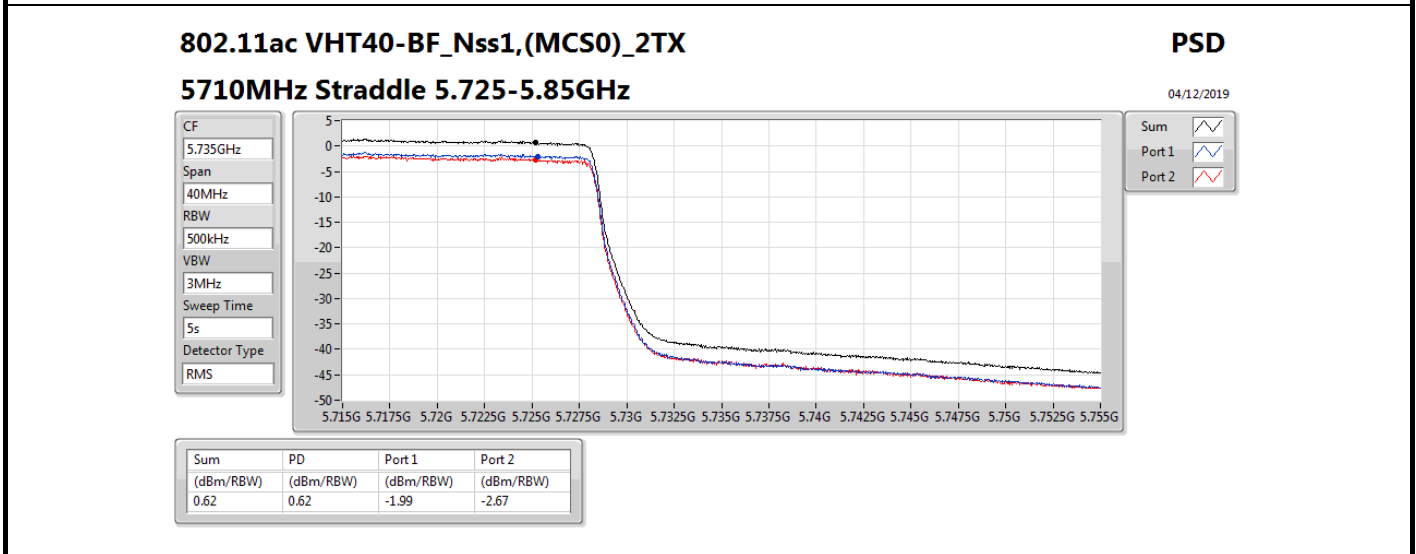
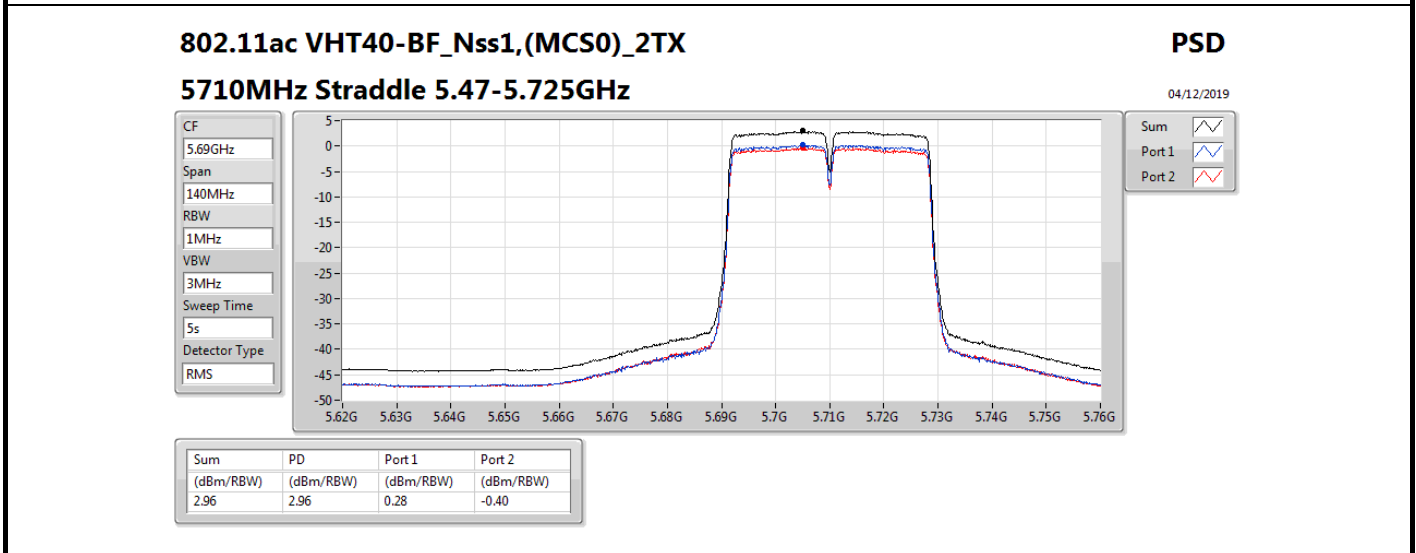
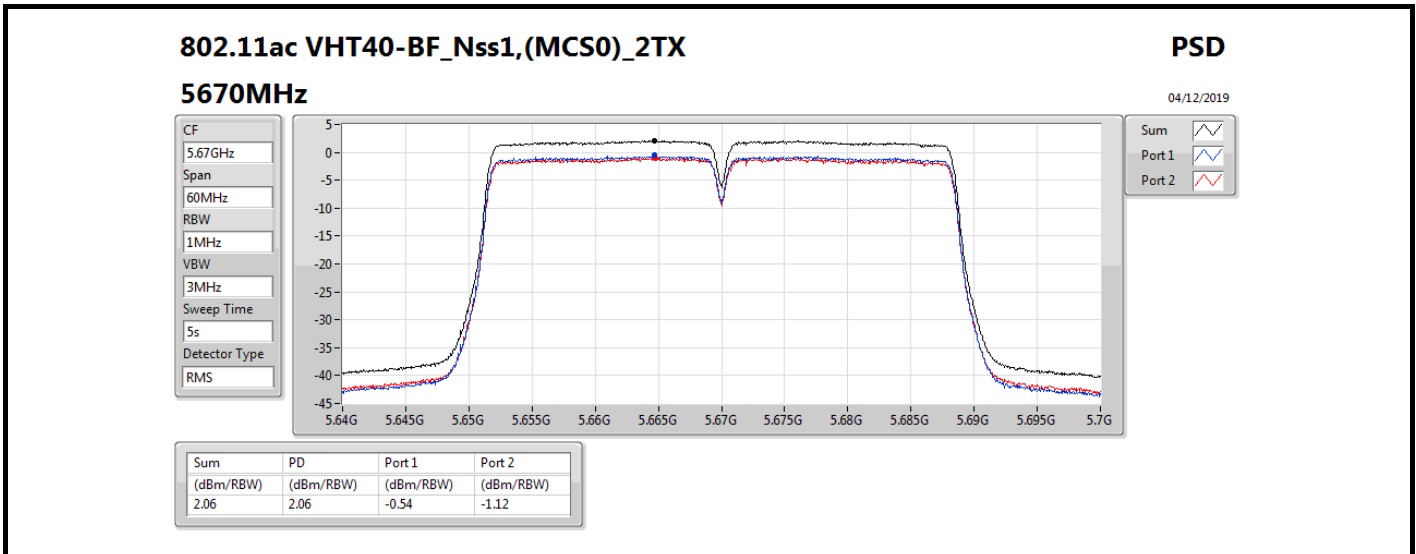


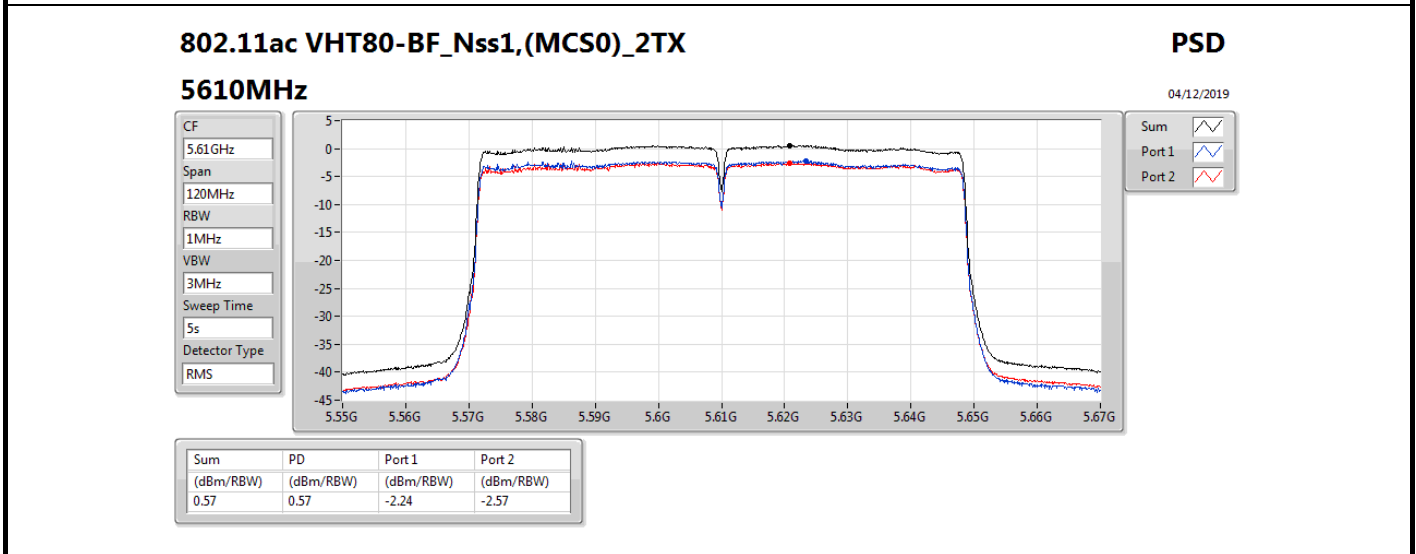
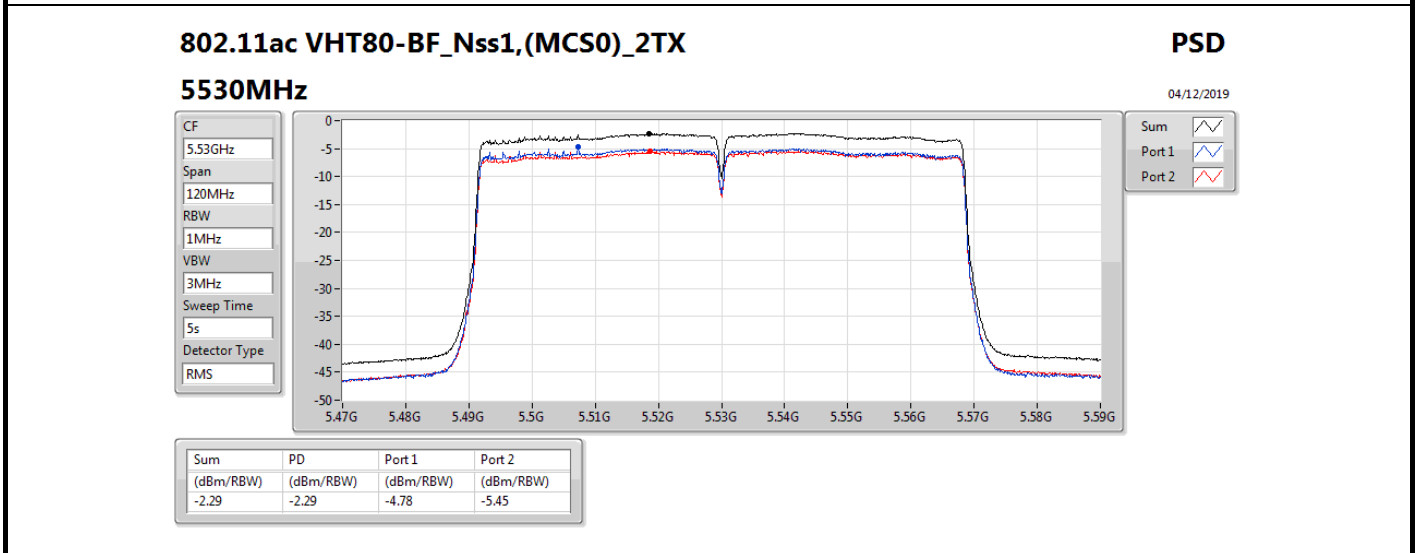
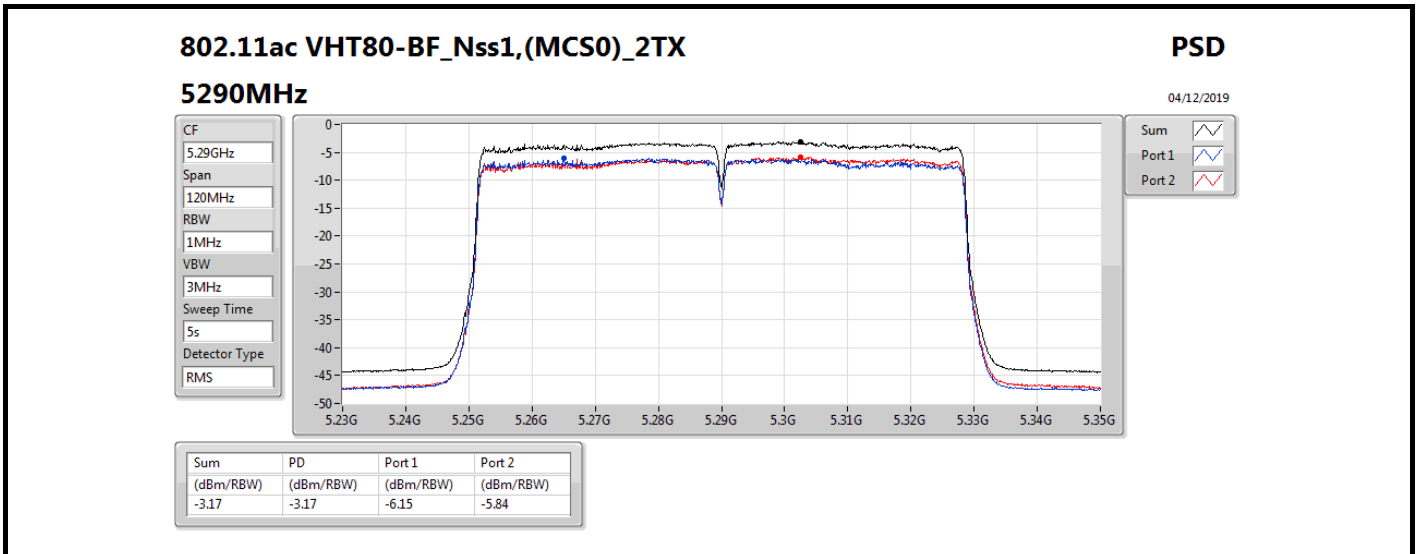
Sum
 Port 1
 Port 2

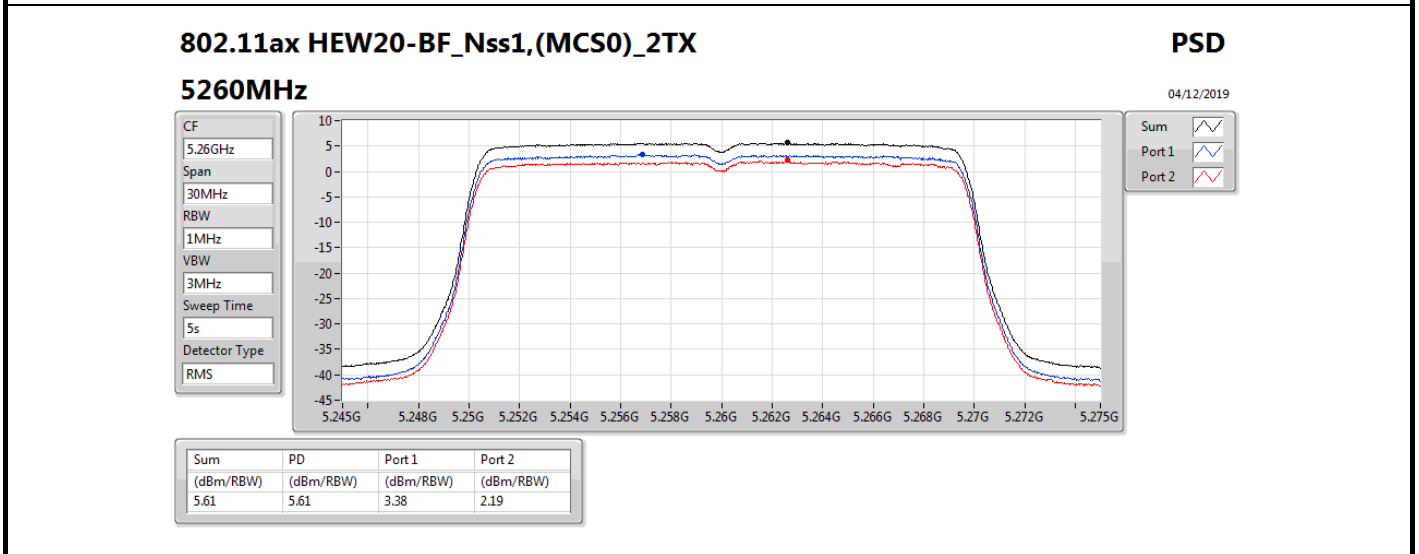
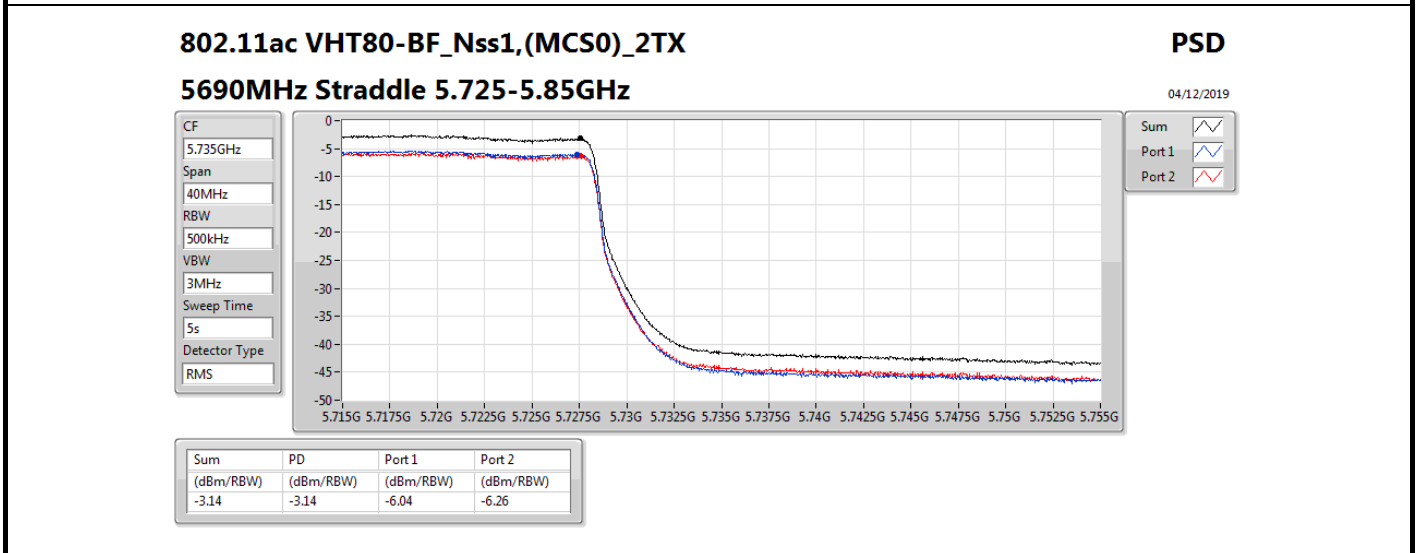
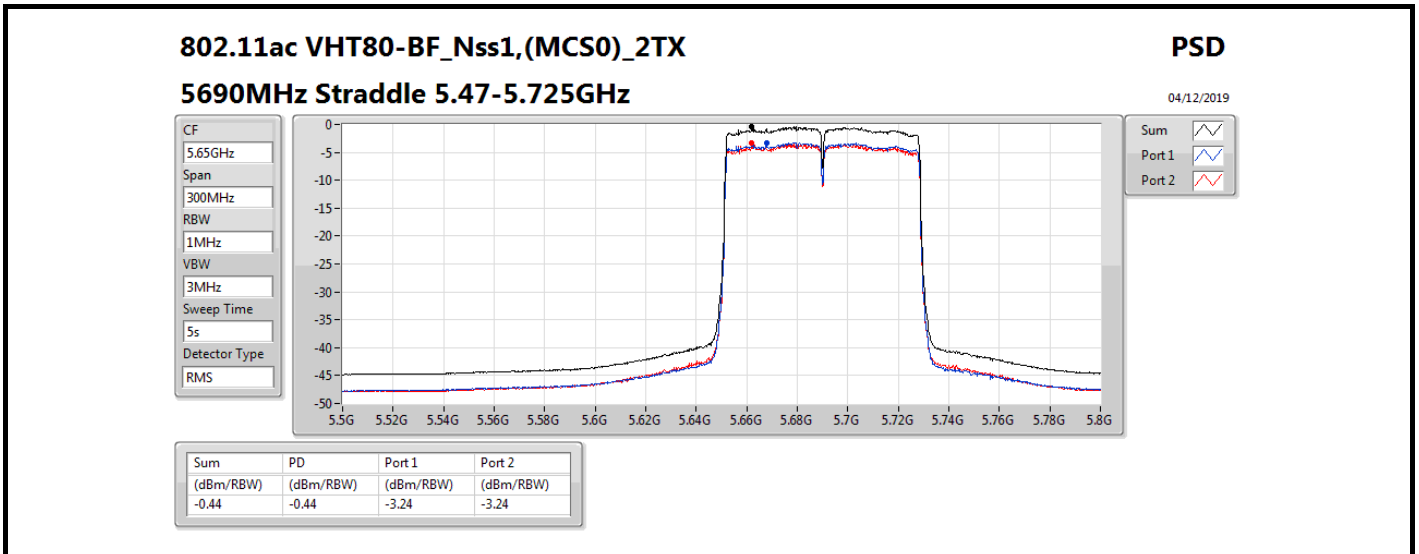
| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.03 | 3.03 | 0.23 | 0.06 |

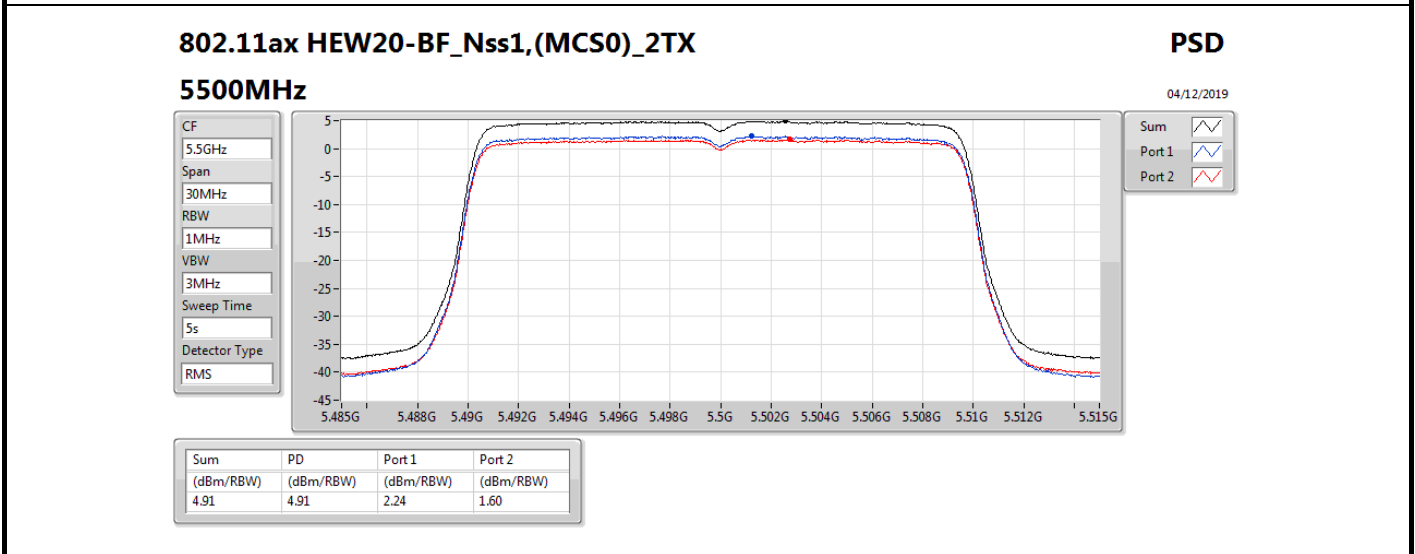
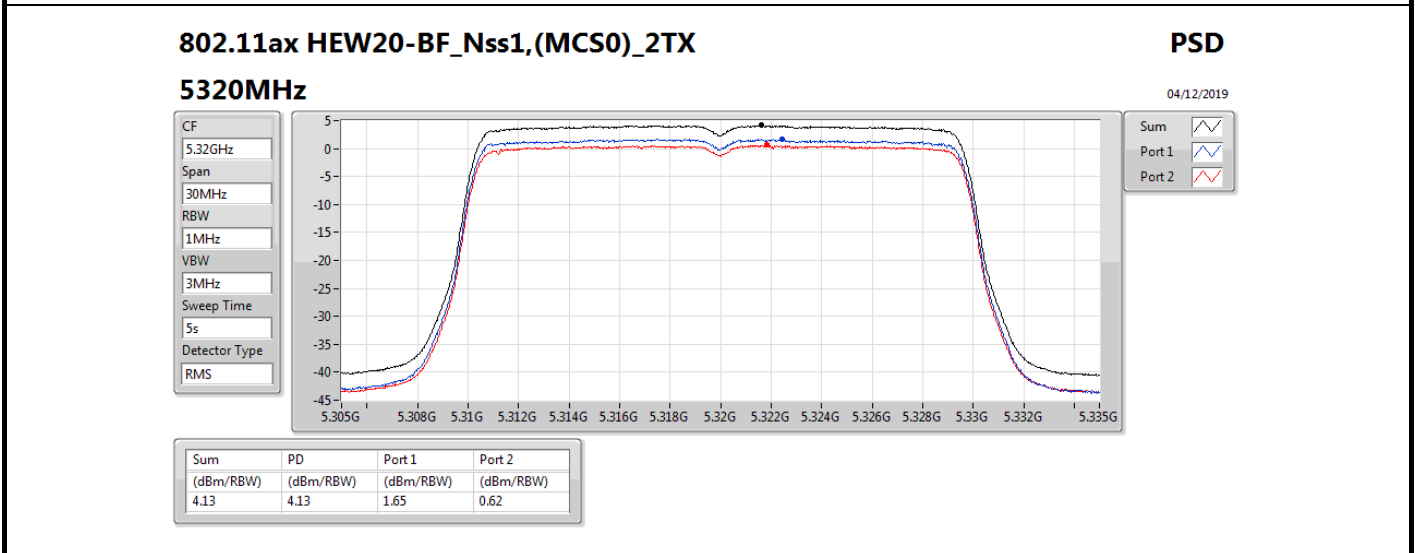
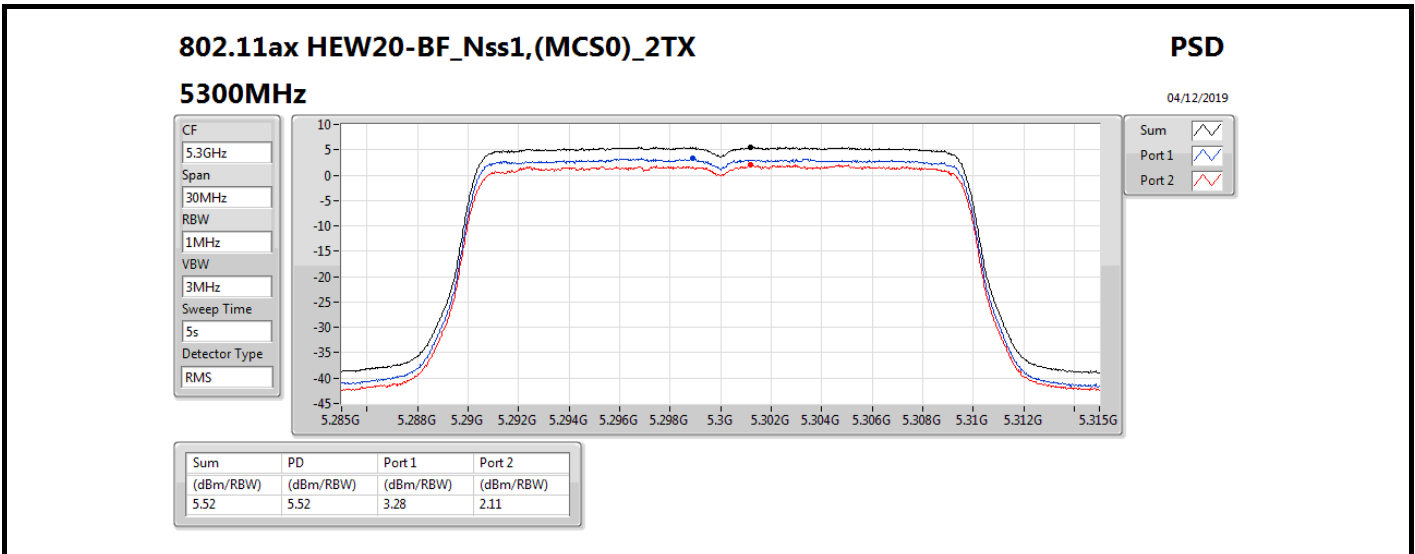


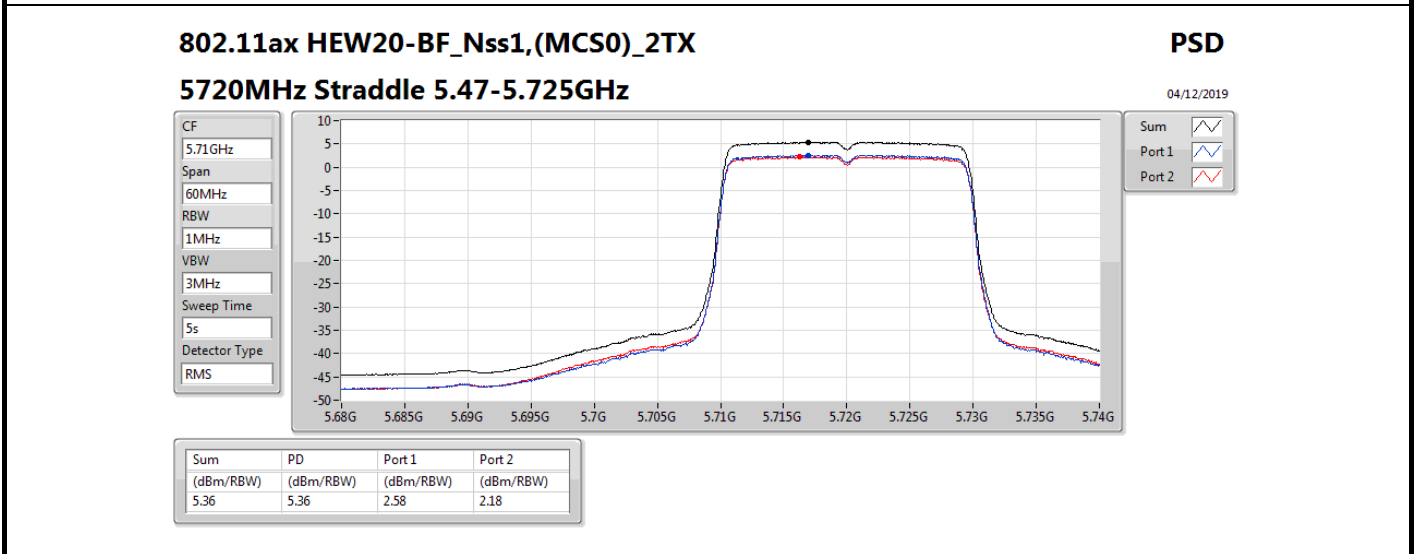
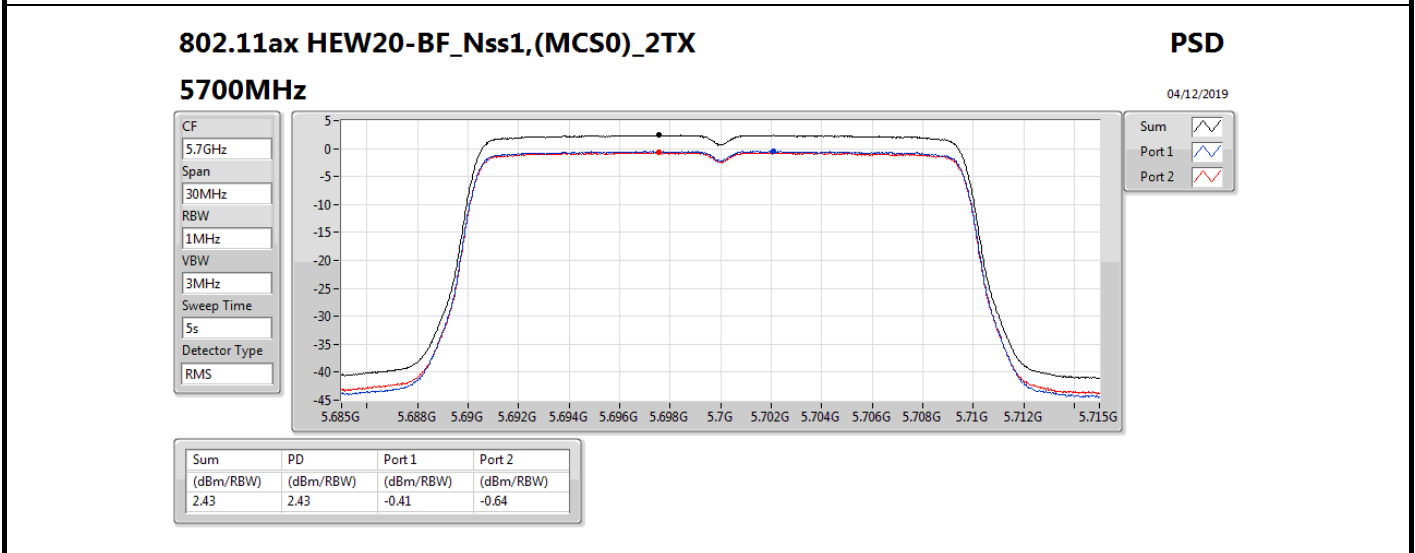
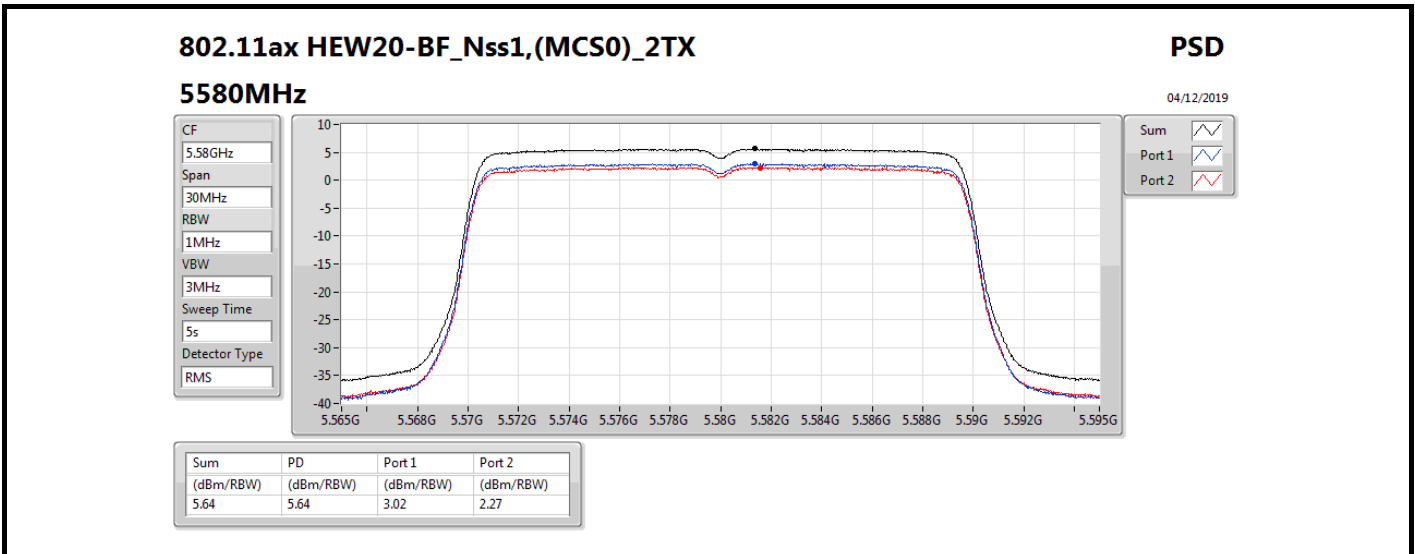








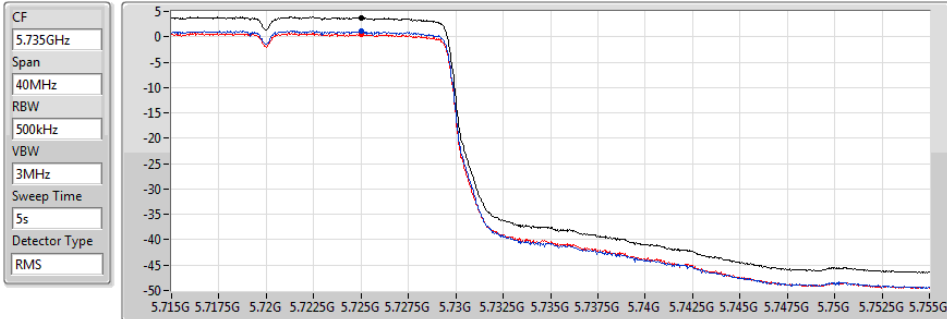




802.11ax HEW20-BF_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz

PSD

04/12/2019



Sum

Port 1

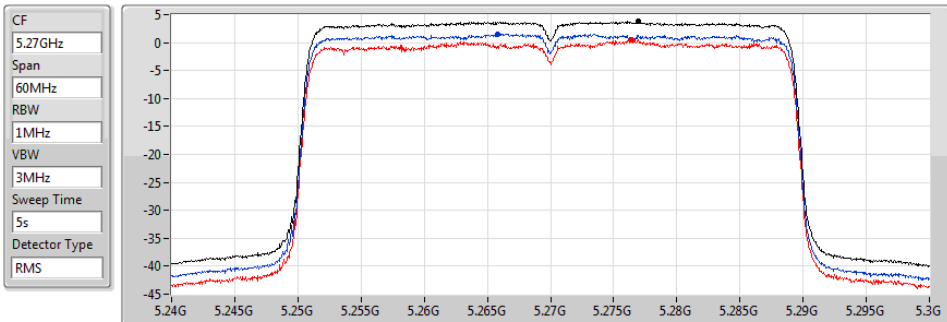
Port 2

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.77 | 3.77 | 1.09 | 0.44 |

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5270MHz

PSD

04/12/2019



Sum

Port 1

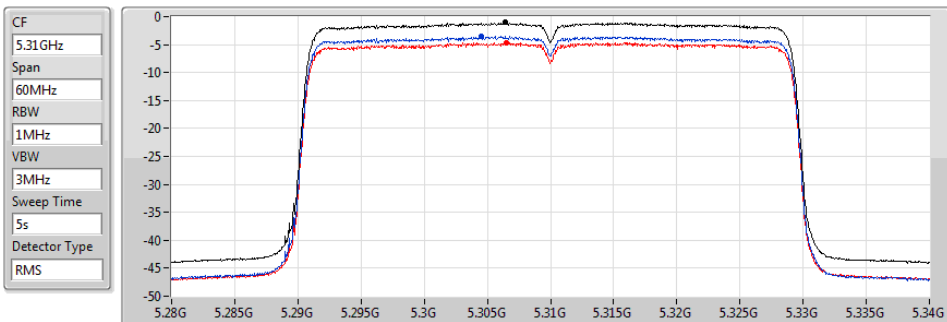
Port 2

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.90 | 3.90 | 1.55 | 0.53 |

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5310MHz

PSD

04/12/2019

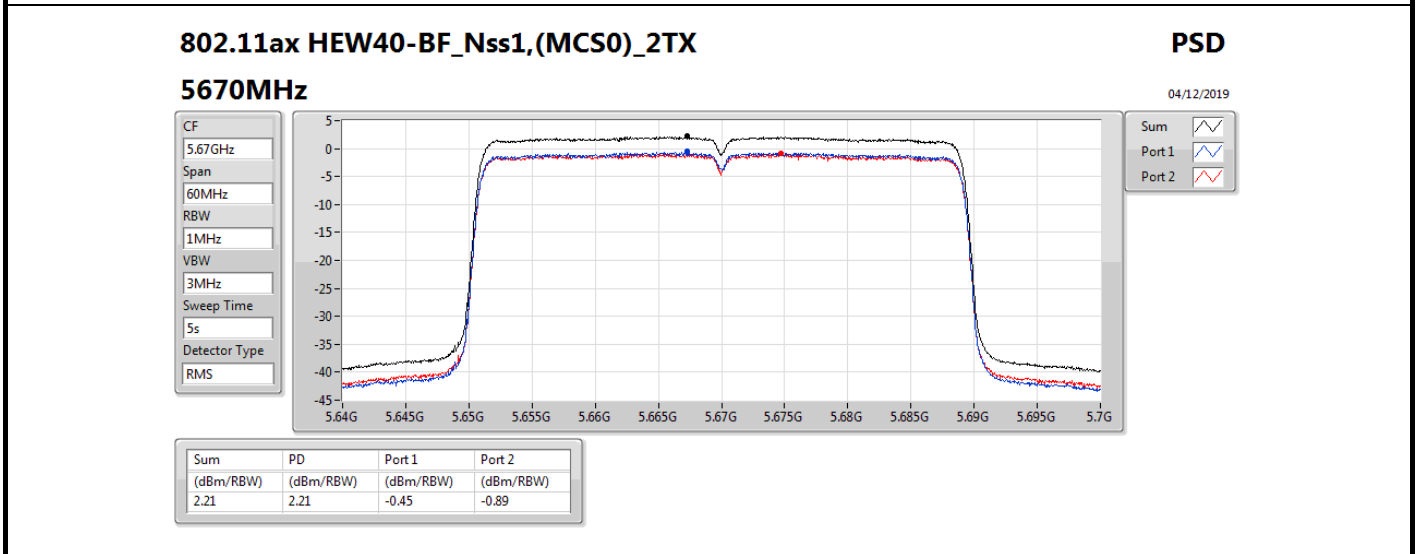
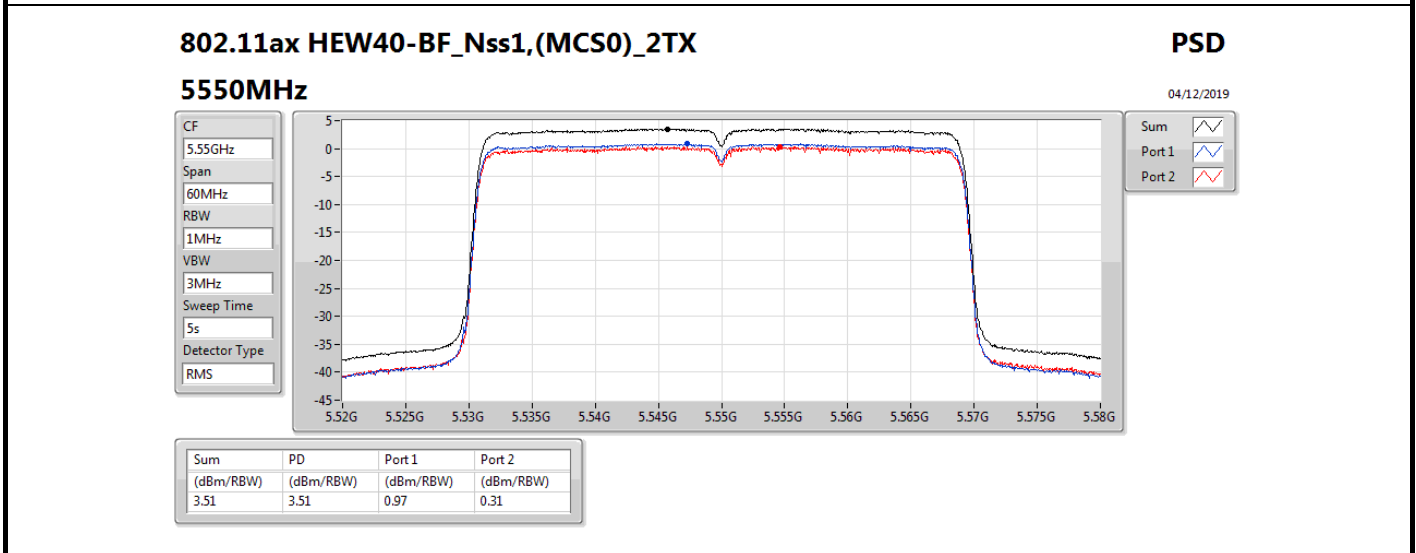
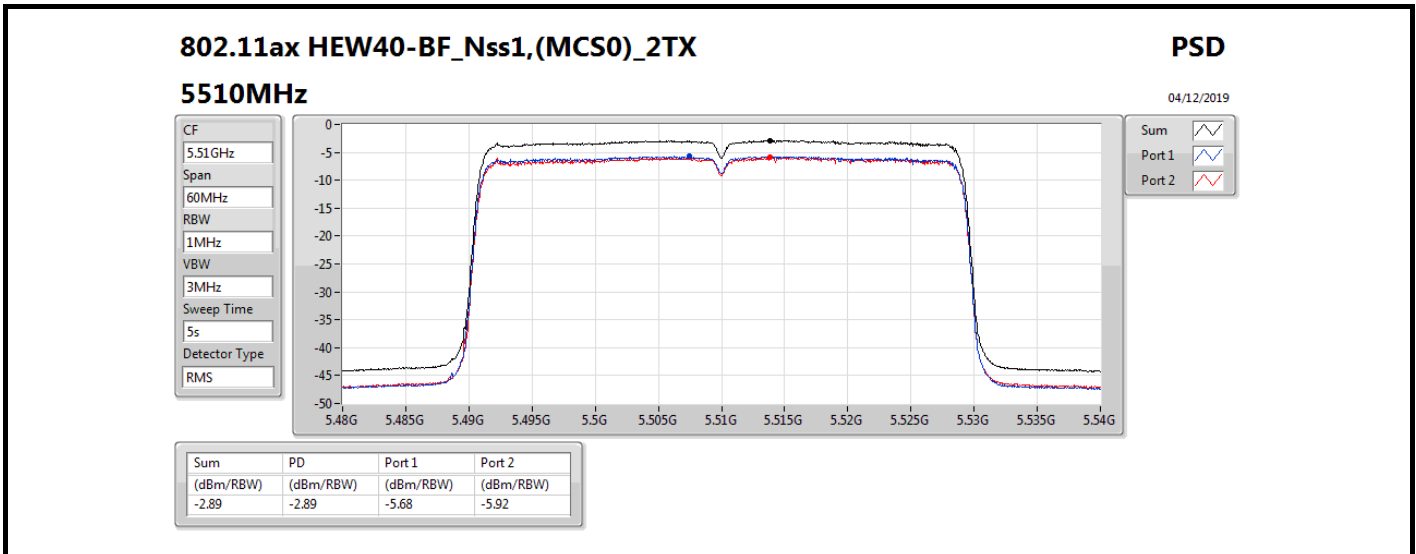


Sum

Port 1

Port 2

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.04 | -1.04 | -3.53 | -4.61 |

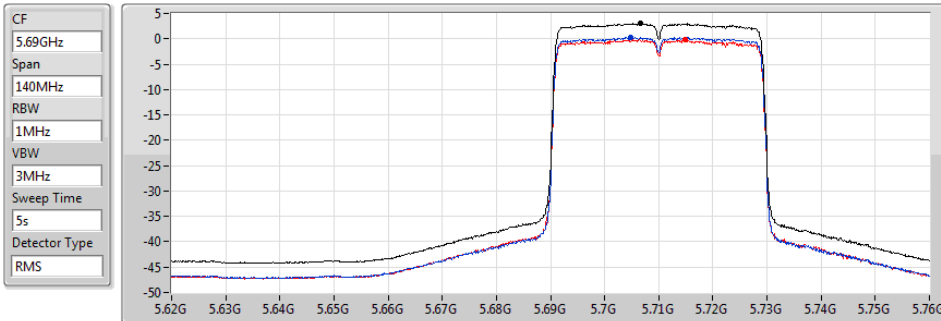


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

PSD

04/12/2019



Sum

Port 1

Port 2

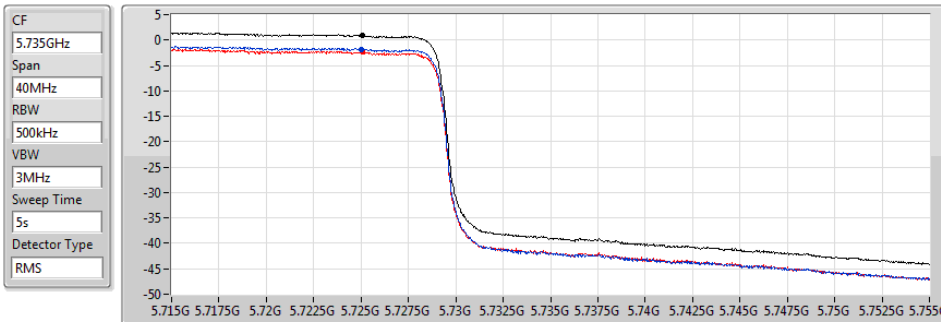
| Sum | PD | Port 1 | Port 2 |
|------------|------------|------------|------------|
| (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) |
| 2.98 | 2.98 | 0.31 | -0.17 |

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

04/12/2019



Sum

Port 1

Port 2

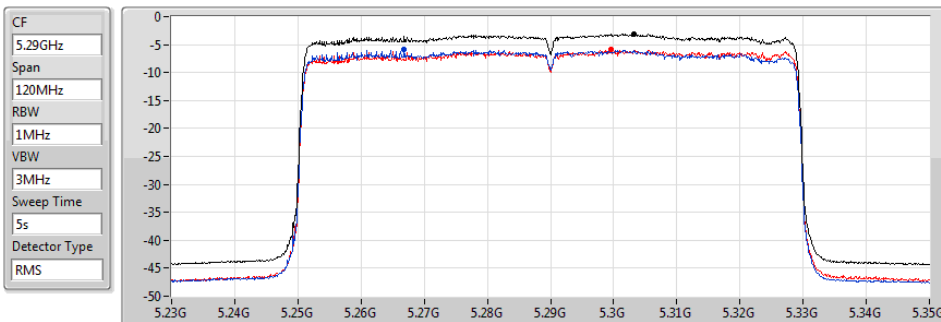
| Sum | PD | Port 1 | Port 2 |
|--------------|--------------|--------------|--------------|
| (dBm/500kHz) | (dBm/500kHz) | (dBm/500kHz) | (dBm/500kHz) |
| 0.95 | 0.95 | -1.81 | -2.31 |

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5290MHz

PSD

04/12/2019

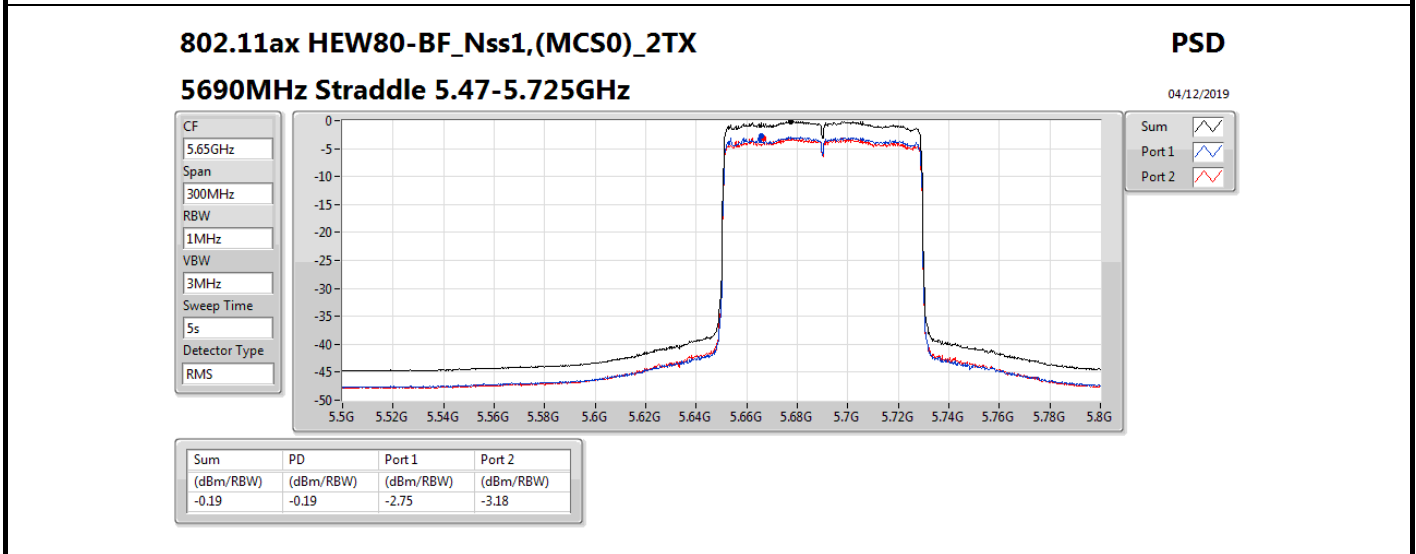
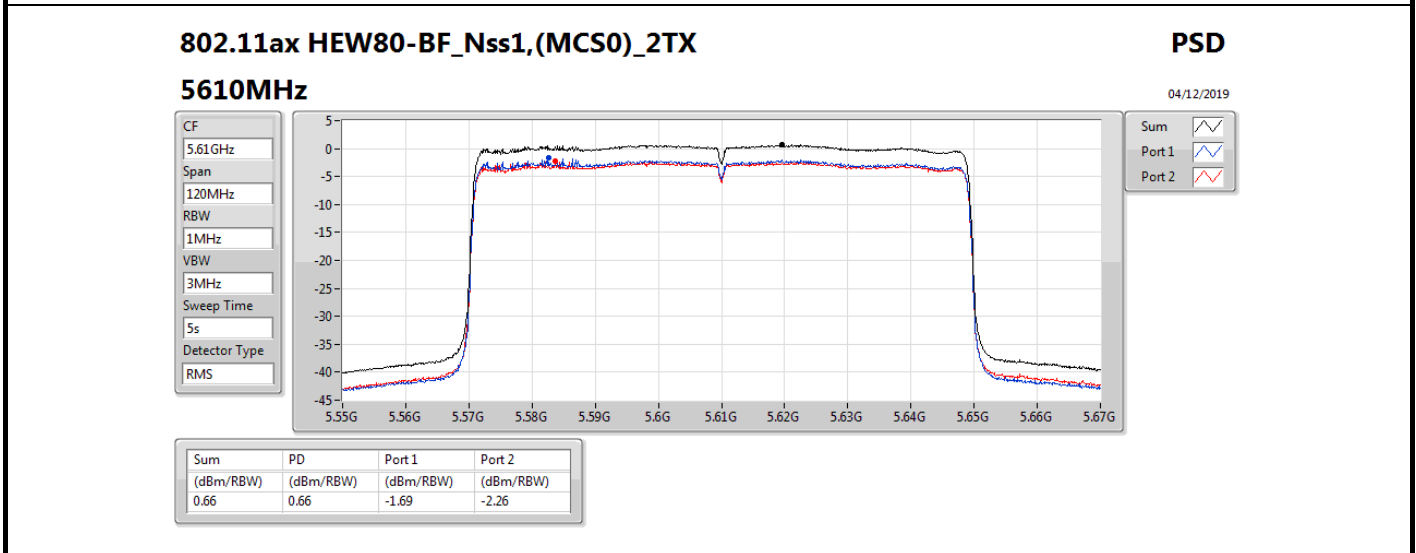
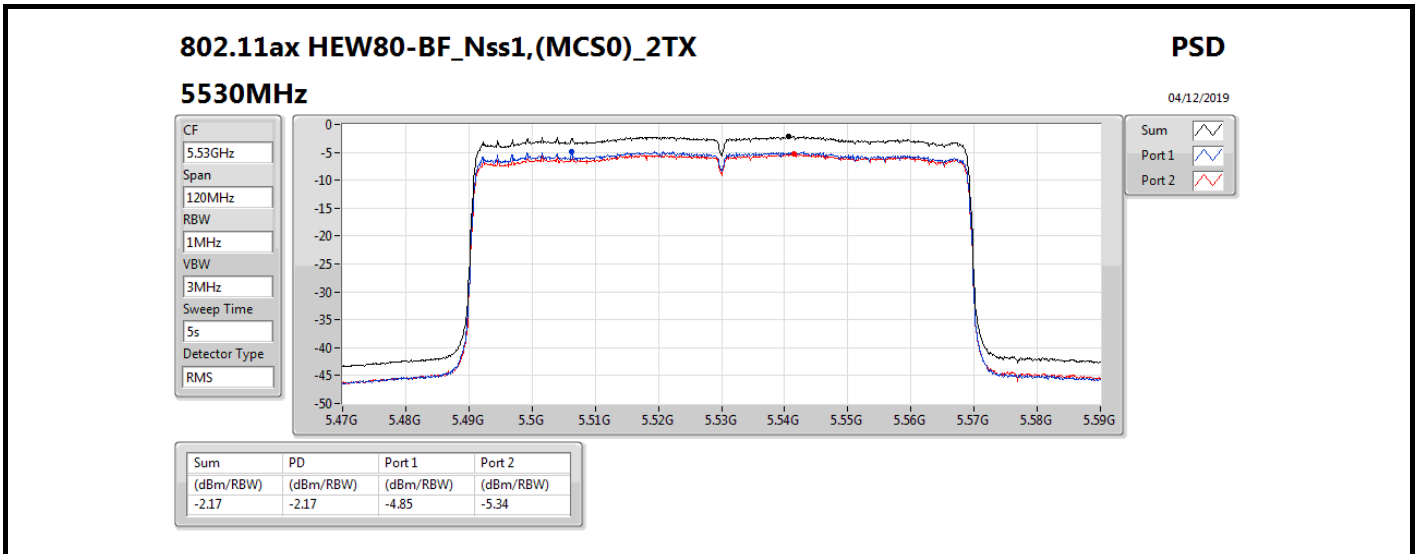


Sum

Port 1

Port 2

| Sum | PD | Port 1 | Port 2 |
|------------|------------|------------|------------|
| (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) | (dBm/1MHz) |
| -3.05 | -3.05 | -5.80 | -5.92 |



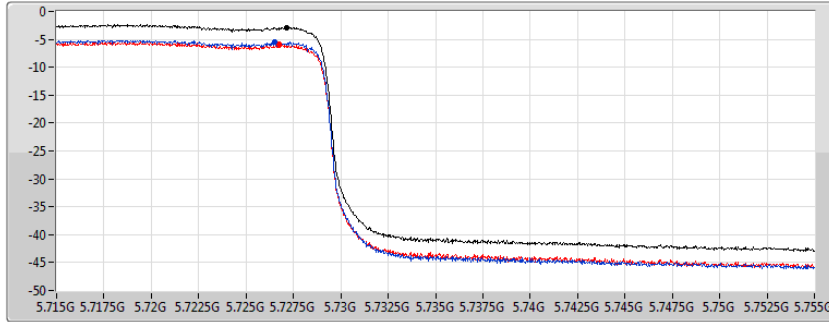


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
5690MHz Straddle 5.725-5.85GHz

PSD

04/12/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
5s
Detector Type
RMS



Sum
Port 1
Port 2

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.86 | -2.86 | -5.51 | -5.94 |



Summary

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|-----------------------------------|-----------------|----------------------|
| 5.25-5.35GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 3.27 | 16.98 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 0.90 | 14.61 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -1.17 | 12.54 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 3.28 | 16.99 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 0.90 | 14.61 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -1.27 | 12.44 |
| 5.47-5.725GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 3.22 | 16.93 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 0.80 | 14.51 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -2.38 | 11.33 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 3.15 | 16.86 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 0.89 | 14.60 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -2.18 | 11.53 |
| 5.725-5.85GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 1.08 | 14.79 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -1.85 | 11.86 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -5.99 | 7.72 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 1.02 | 14.73 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | -1.87 | 11.84 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -5.74 | 7.97 |

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



Result

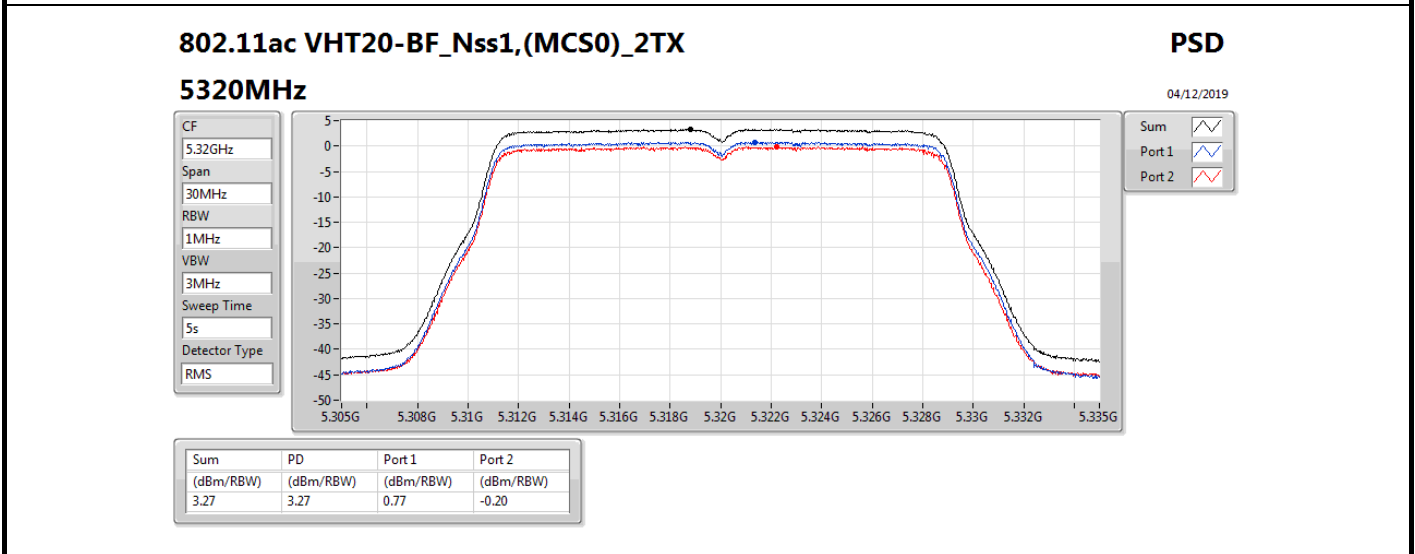
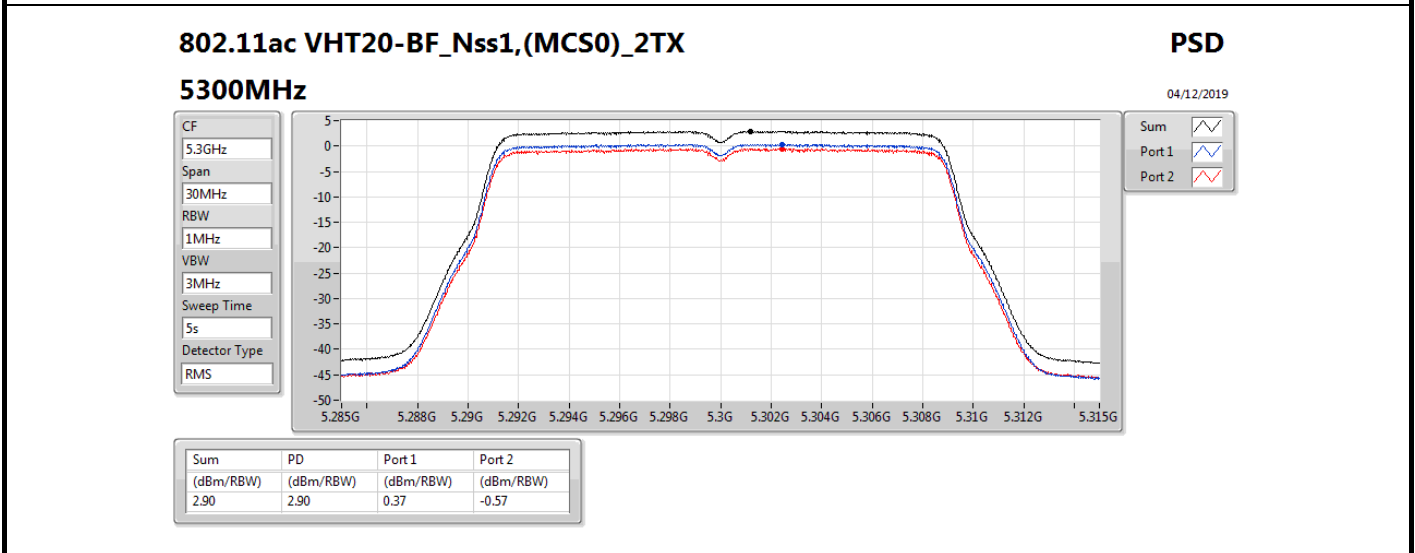
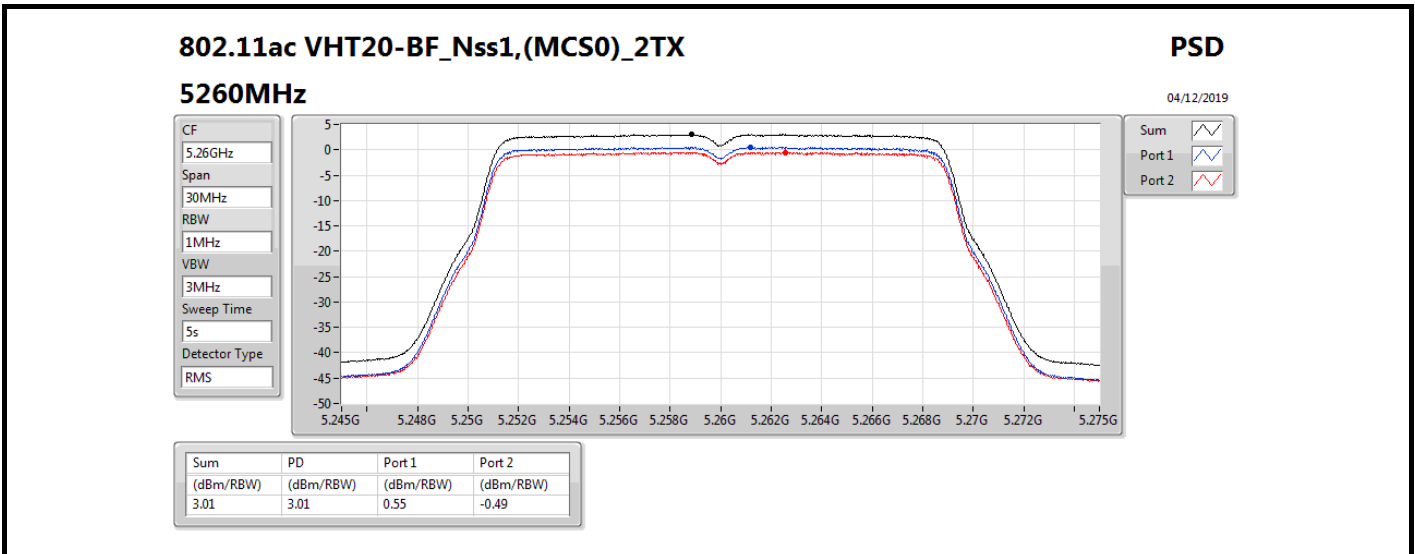
| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|--------|-------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5260MHz_TnomVnom | Pass | 13.71 | 0.55 | -0.49 | 3.01 | 3.29 | 16.72 | 17.00 |
| 5300MHz_TnomVnom | Pass | 13.71 | 0.37 | -0.57 | 2.90 | 3.29 | 16.61 | 17.00 |
| 5320MHz_TnomVnom | Pass | 13.71 | 0.77 | -0.20 | 3.27 | 3.29 | 16.98 | 17.00 |
| 5500MHz_TnomVnom | Pass | 13.71 | 0.41 | -0.06 | 3.13 | 3.29 | 16.84 | 17.00 |
| 5580MHz_TnomVnom | Pass | 13.71 | 0.50 | 0.04 | 3.22 | 3.29 | 16.93 | 17.00 |
| 5700MHz_TnomVnom | Pass | 13.71 | 0.25 | -0.11 | 3.02 | 3.29 | 16.73 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 13.71 | 0.04 | -0.39 | 2.81 | 3.29 | 16.52 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 13.71 | -1.72 | -2.16 | 1.08 | 22.29 | 14.79 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5270MHz_TnomVnom | Pass | 13.71 | -1.56 | -2.74 | 0.82 | 3.29 | 14.53 | 17.00 |
| 5310MHz_TnomVnom | Pass | 13.71 | -1.48 | -2.65 | 0.90 | 3.29 | 14.61 | 17.00 |
| 5510MHz_TnomVnom | Pass | 13.71 | -2.02 | -2.31 | 0.80 | 3.29 | 14.51 | 17.00 |
| 5550MHz_TnomVnom | Pass | 13.71 | -2.04 | -2.39 | 0.67 | 3.29 | 14.38 | 17.00 |
| 5670MHz_TnomVnom | Pass | 13.71 | -2.35 | -2.44 | 0.58 | 3.29 | 14.29 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 13.71 | -2.65 | -2.82 | 0.22 | 3.29 | 13.93 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 13.71 | -4.51 | -5.06 | -1.85 | 22.29 | 11.86 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5290MHz_TnomVnom | Pass | 13.71 | -4.28 | -3.91 | -1.17 | 3.29 | 12.54 | 17.00 |
| 5530MHz_TnomVnom | Pass | 13.71 | -5.33 | -5.70 | -2.56 | 3.29 | 11.15 | 17.00 |
| 5610MHz_TnomVnom | Pass | 13.71 | -4.82 | -5.46 | -2.38 | 3.29 | 11.33 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 13.71 | -5.84 | -6.20 | -3.13 | 3.29 | 10.58 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 13.71 | -8.72 | -9.18 | -5.99 | 22.29 | 7.72 | 36.00 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5260MHz_TnomVnom | Pass | 13.71 | 0.61 | -0.38 | 3.10 | 3.29 | 16.81 | 17.00 |
| 5300MHz_TnomVnom | Pass | 13.71 | 0.69 | -0.33 | 3.12 | 3.29 | 16.83 | 17.00 |
| 5320MHz_TnomVnom | Pass | 13.71 | 0.79 | -0.24 | 3.28 | 3.29 | 16.99 | 17.00 |
| 5500MHz_TnomVnom | Pass | 13.71 | 0.23 | -0.12 | 3.02 | 3.29 | 16.73 | 17.00 |
| 5580MHz_TnomVnom | Pass | 13.71 | 0.44 | -0.08 | 3.15 | 3.29 | 16.86 | 17.00 |
| 5700MHz_TnomVnom | Pass | 13.71 | 0.20 | -0.12 | 3.01 | 3.29 | 16.72 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 13.71 | 0.15 | -0.26 | 2.93 | 3.29 | 16.64 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 13.71 | -1.80 | -2.17 | 1.02 | 22.29 | 14.73 | 36.00 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5270MHz_TnomVnom | Pass | 13.71 | -1.62 | -2.55 | 0.87 | 3.29 | 14.58 | 17.00 |
| 5310MHz_TnomVnom | Pass | 13.71 | -1.54 | -2.62 | 0.90 | 3.29 | 14.61 | 17.00 |
| 5510MHz_TnomVnom | Pass | 13.71 | -1.97 | -2.37 | 0.78 | 3.29 | 14.49 | 17.00 |
| 5550MHz_TnomVnom | Pass | 13.71 | -1.89 | -2.20 | 0.89 | 3.29 | 14.60 | 17.00 |
| 5670MHz_TnomVnom | Pass | 13.71 | -2.13 | -1.95 | 0.84 | 3.29 | 14.55 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 13.71 | -2.64 | -2.57 | 0.20 | 3.29 | 13.91 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 13.71 | -4.80 | -4.97 | -1.87 | 22.29 | 11.84 | 36.00 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - |
| 5290MHz_TnomVnom | Pass | 13.71 | -4.13 | -3.97 | -1.27 | 3.29 | 12.44 | 17.00 |
| 5530MHz_TnomVnom | Pass | 13.71 | -4.77 | -5.21 | -2.21 | 3.29 | 11.50 | 17.00 |
| 5610MHz_TnomVnom | Pass | 13.71 | -4.76 | -5.25 | -2.18 | 3.29 | 11.53 | 17.00 |

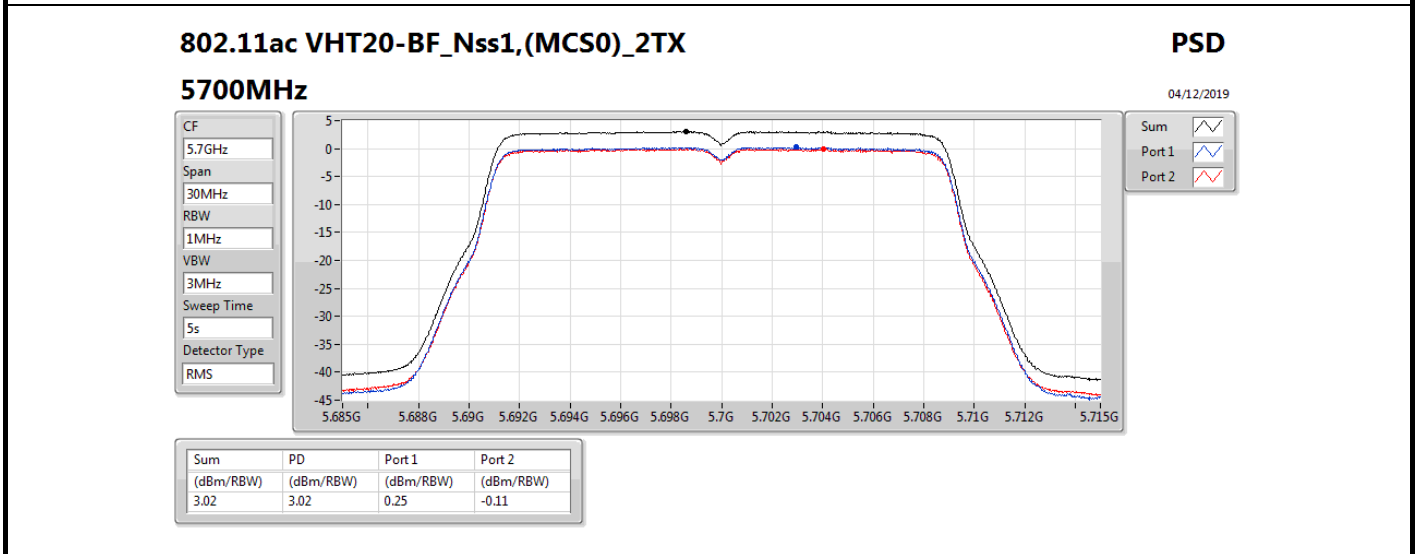
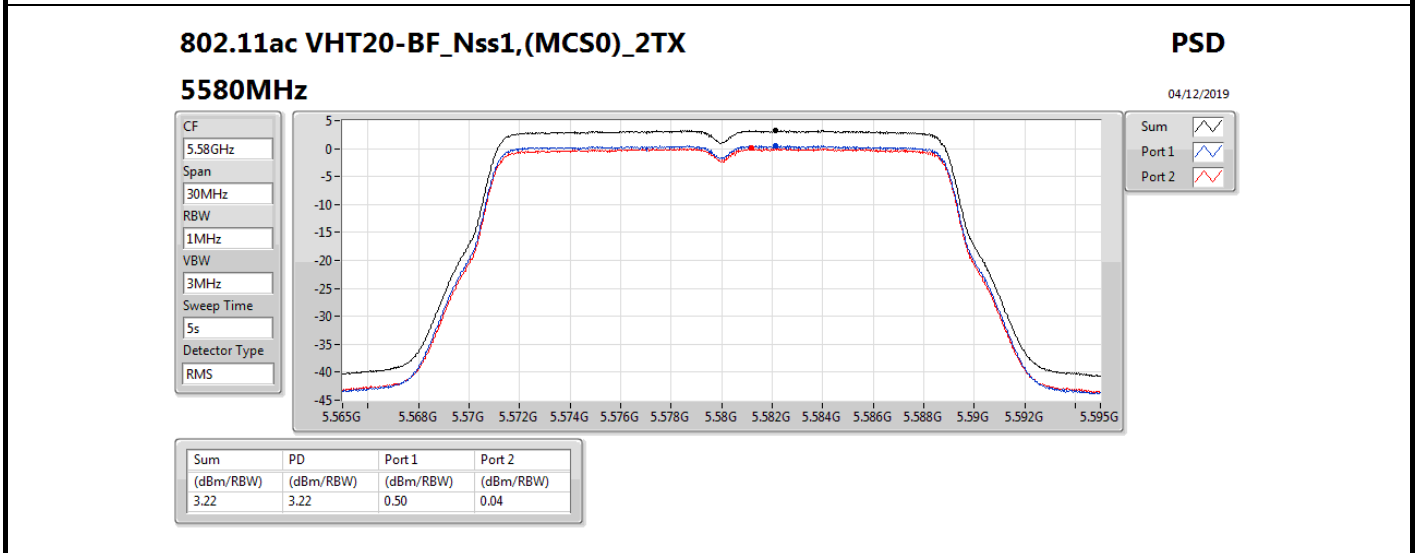
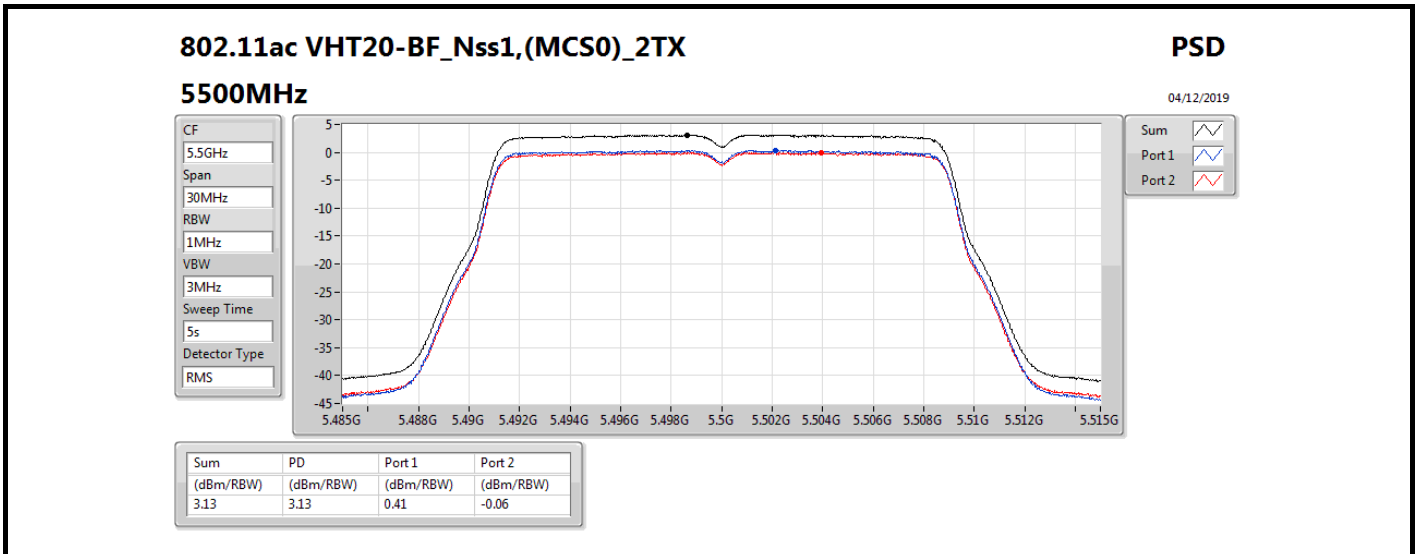


| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|--------|-------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 5690MHz Straddle 5.47-5.725GHz_TnomVnom | Pass | 13.71 | -5.54 | -5.69 | -2.97 | 3.29 | 10.74 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz_TnomVnom | Pass | 13.71 | -8.38 | -8.95 | -5.74 | 22.29 | 7.97 | 36.00 |

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

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



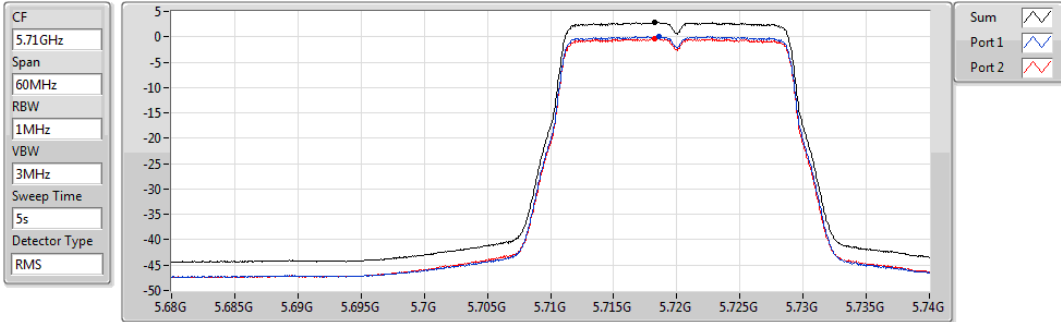


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

04/12/2019



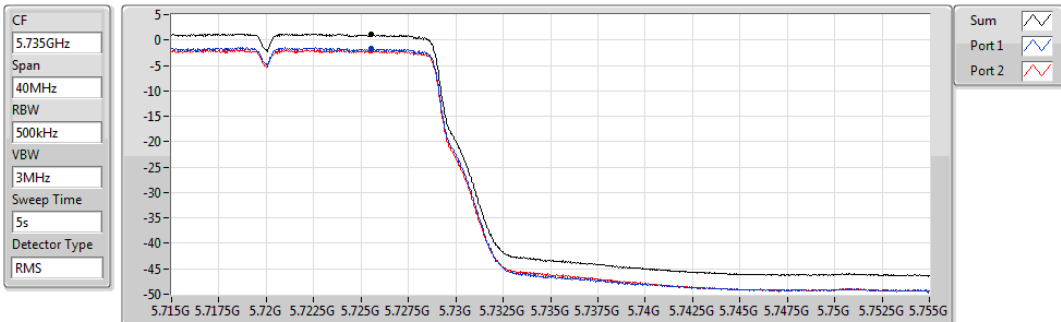
| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.81 | 2.81 | 0.04 | -0.39 |

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

04/12/2019



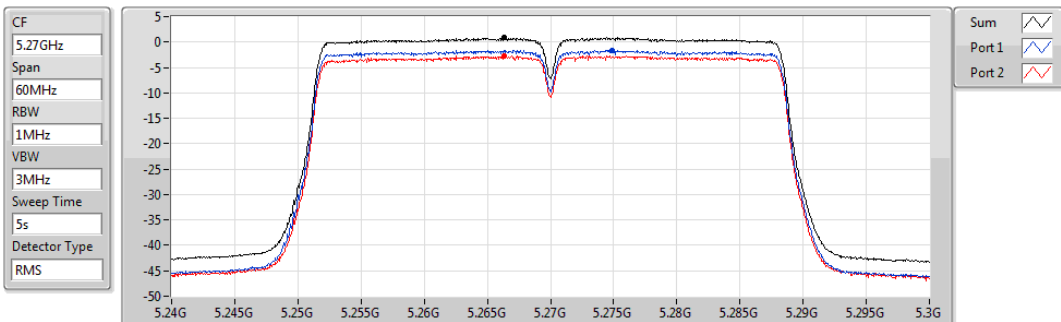
| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.08 | 1.08 | -1.72 | -2.16 |

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

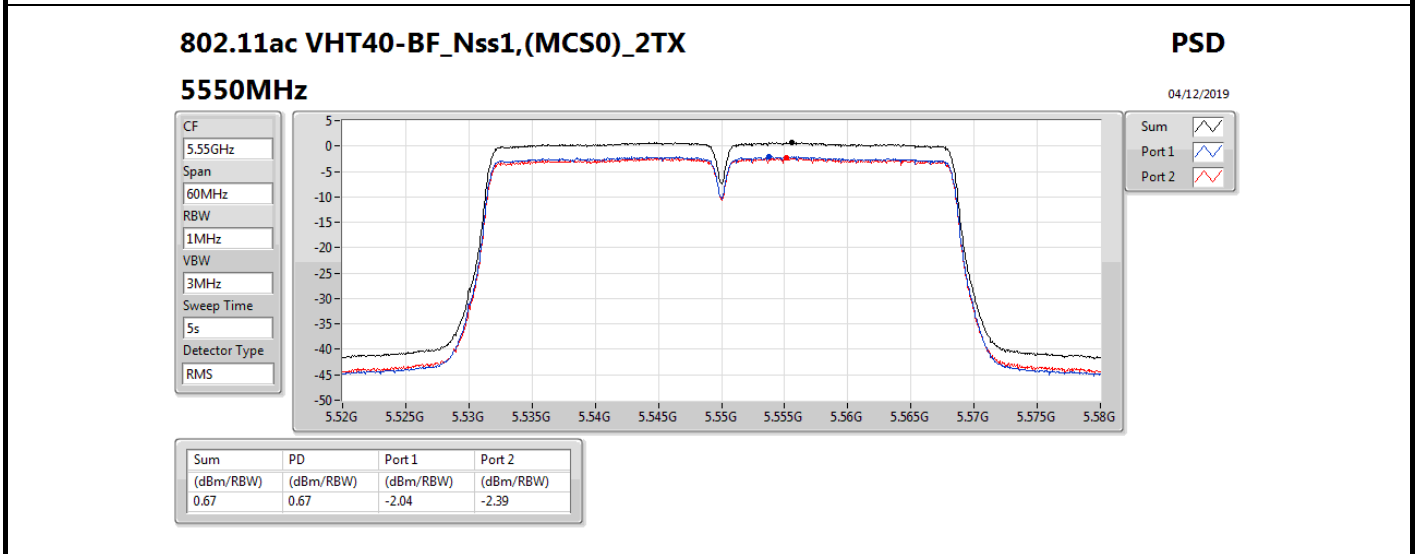
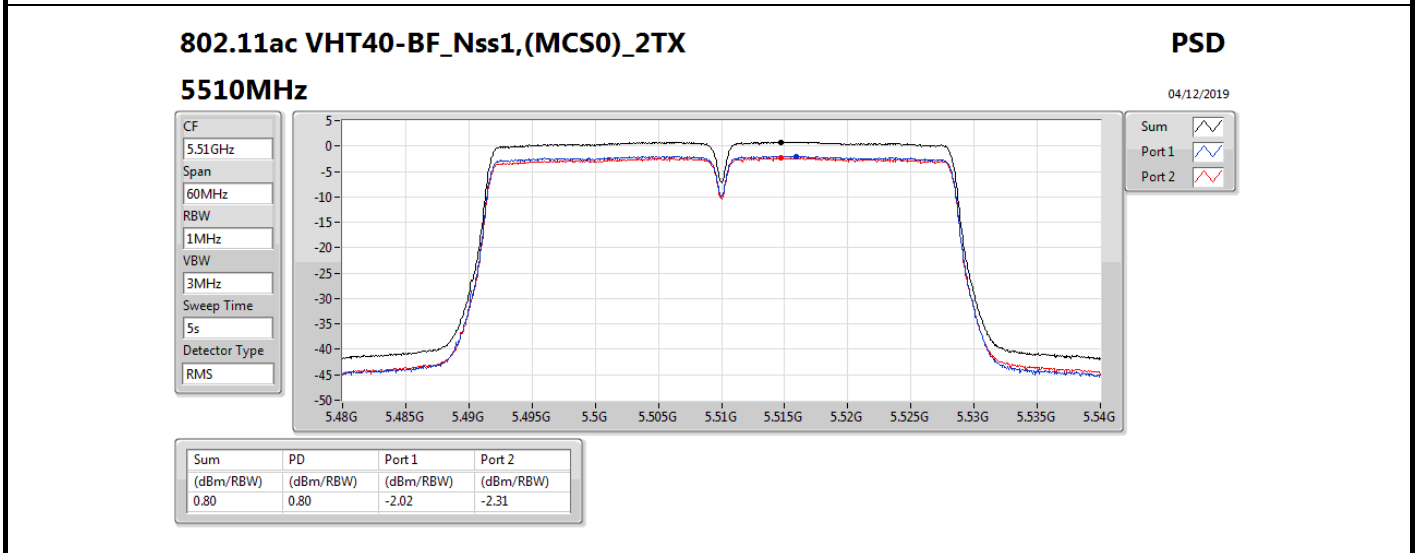
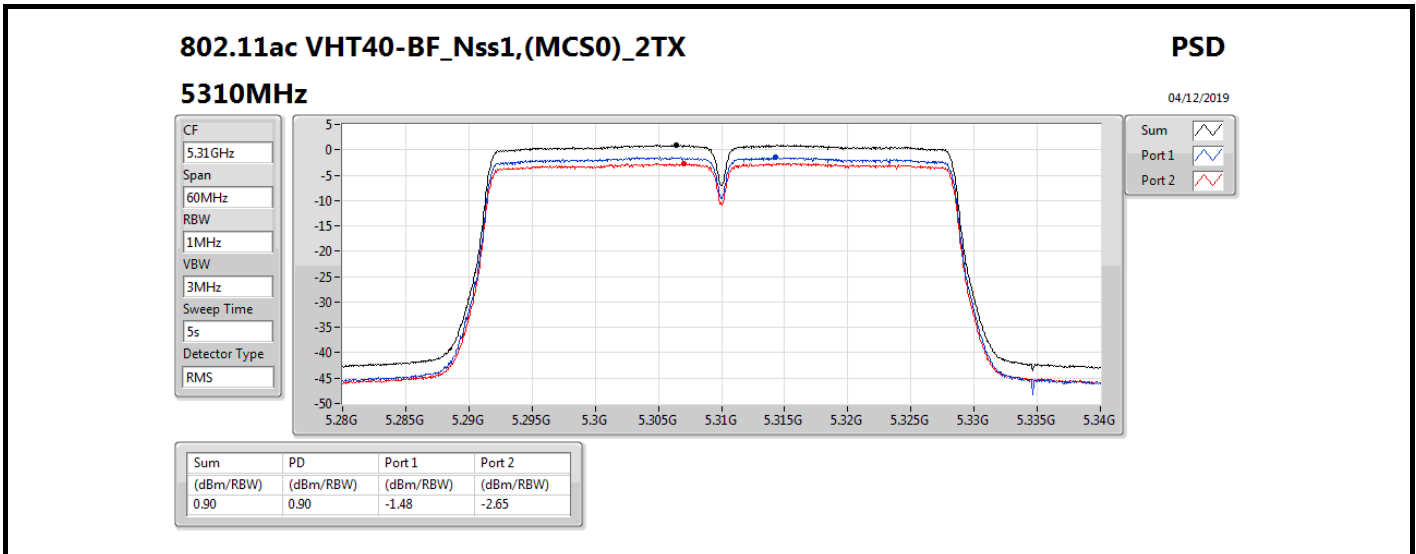
PSD

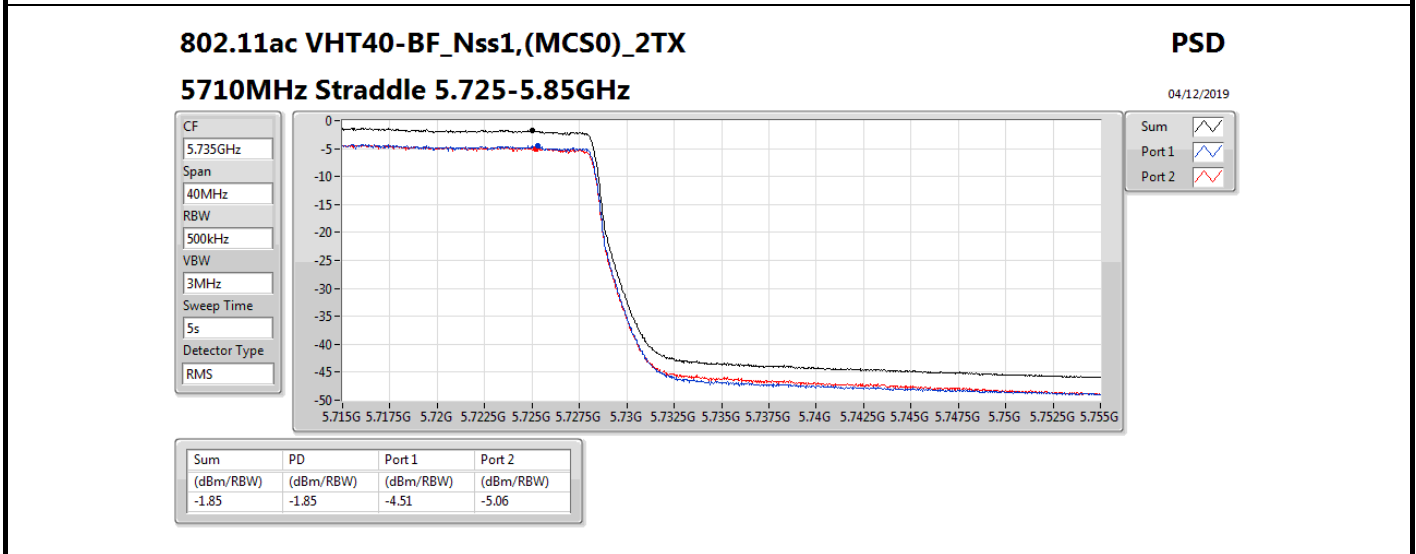
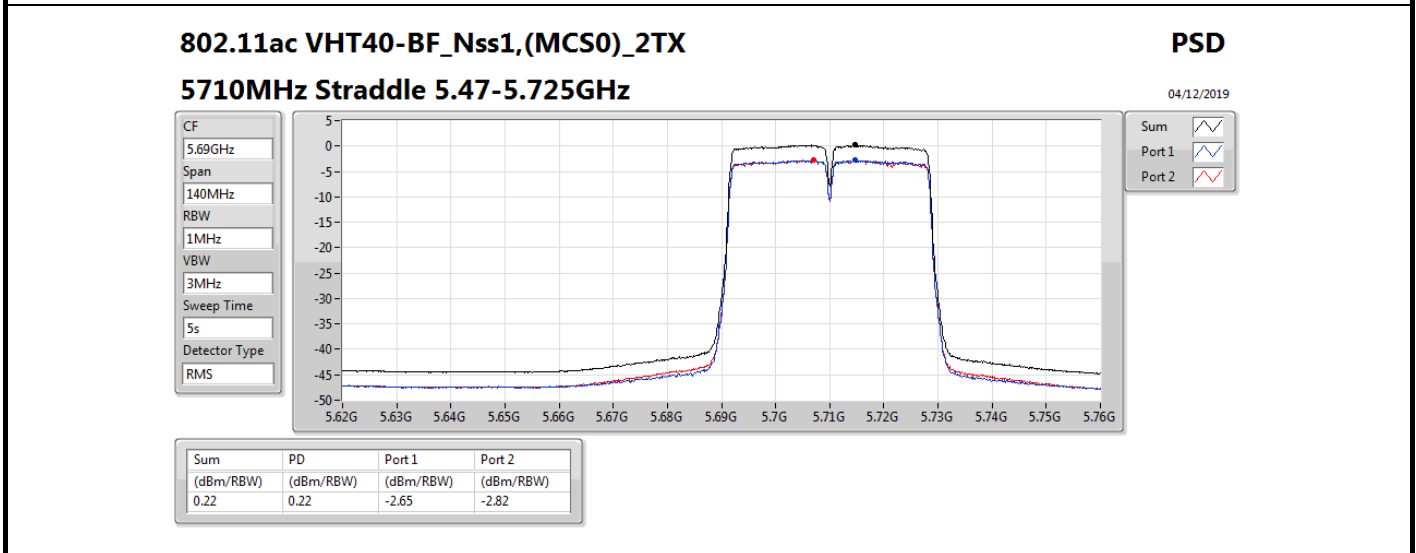
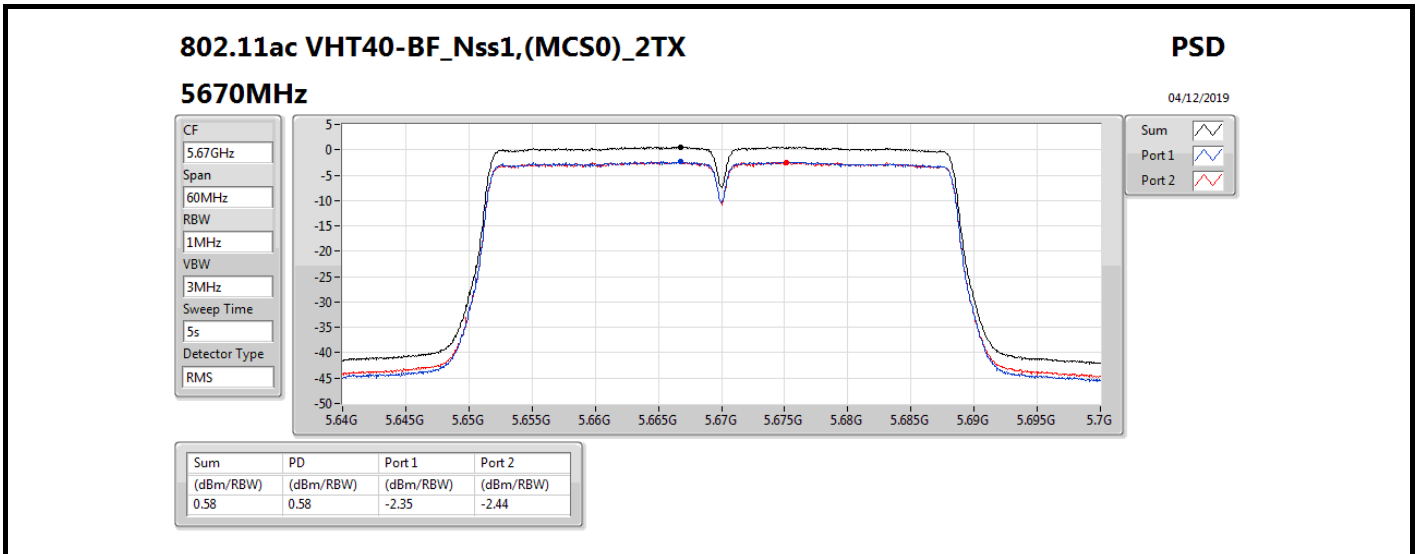
5270MHz

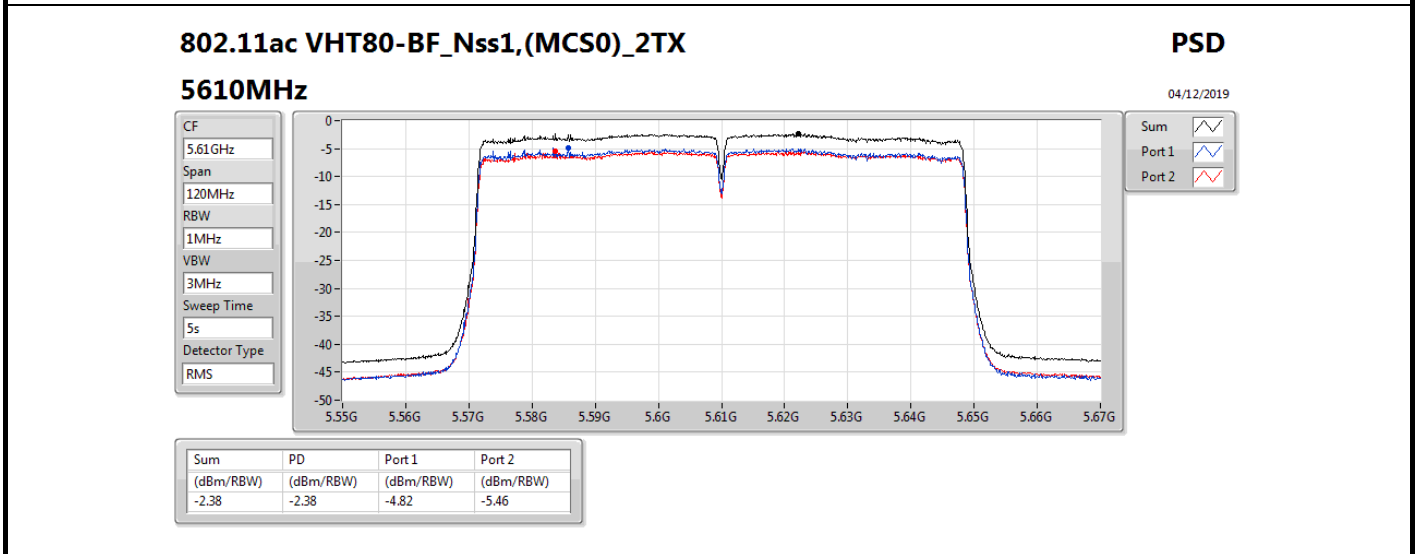
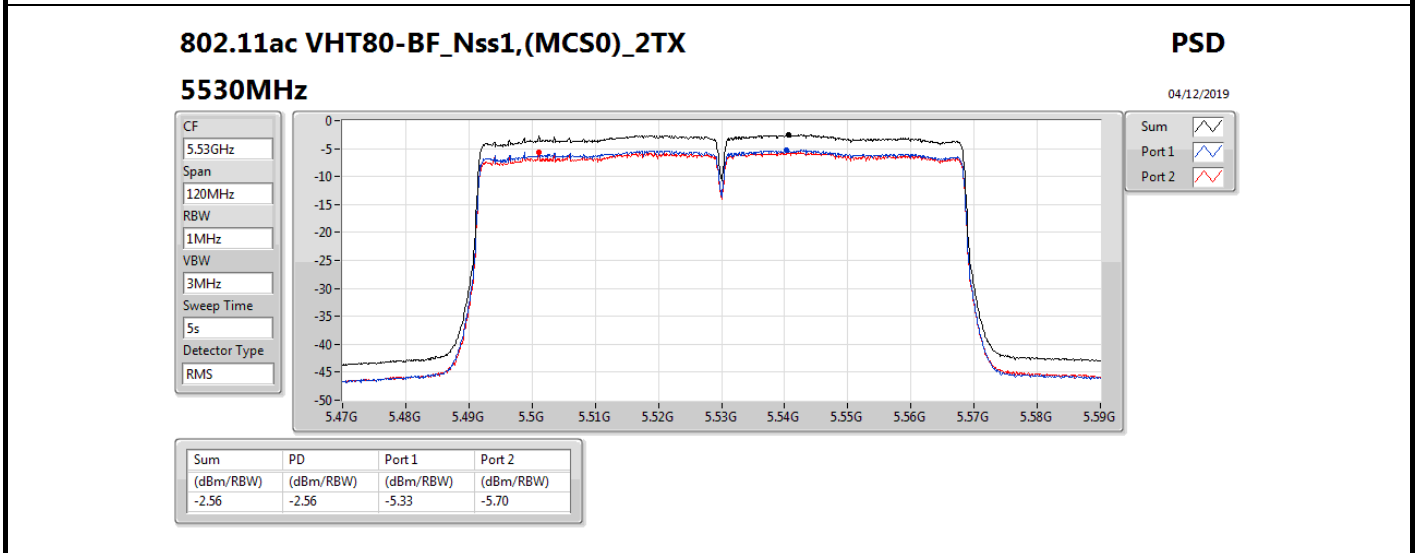
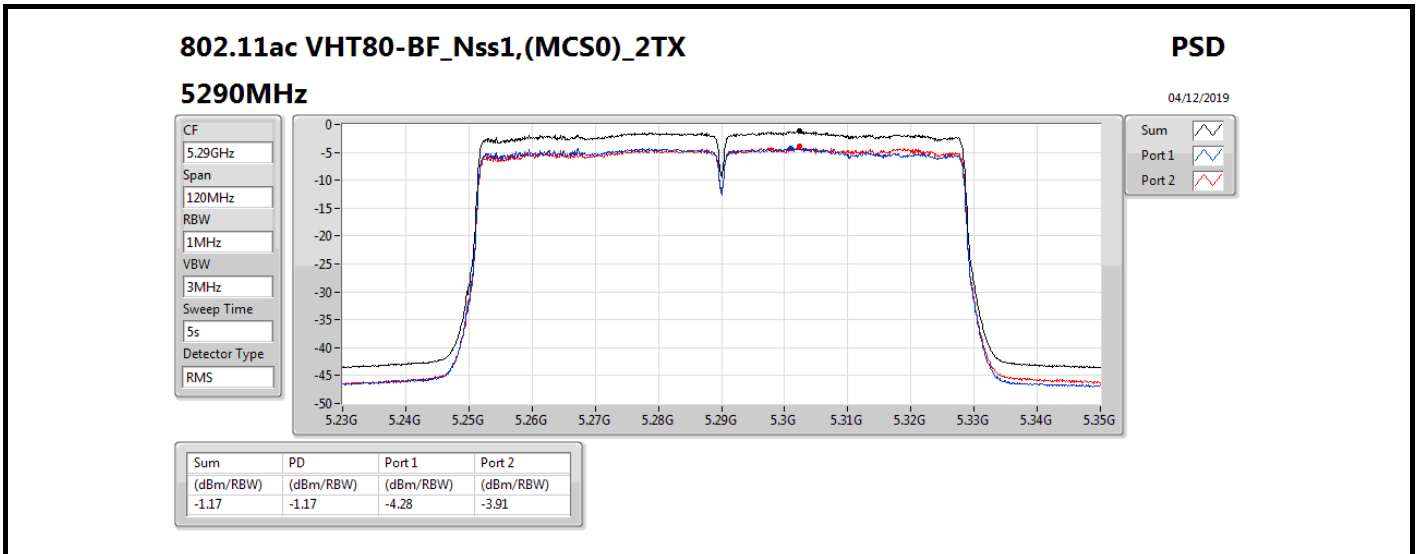
04/12/2019

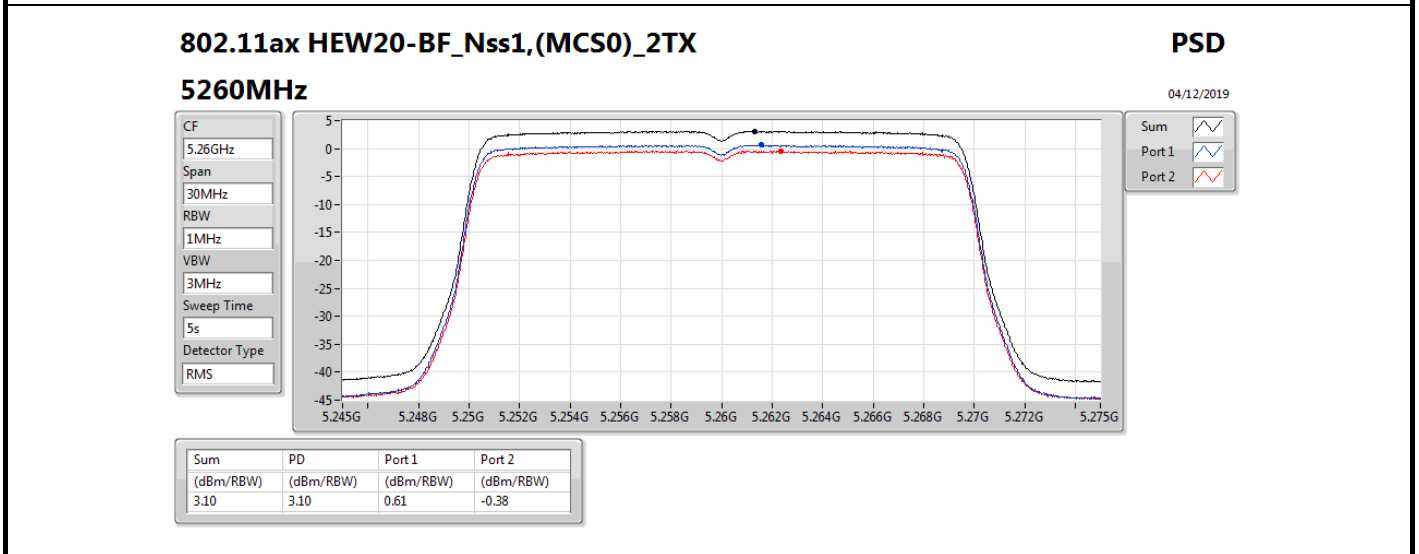
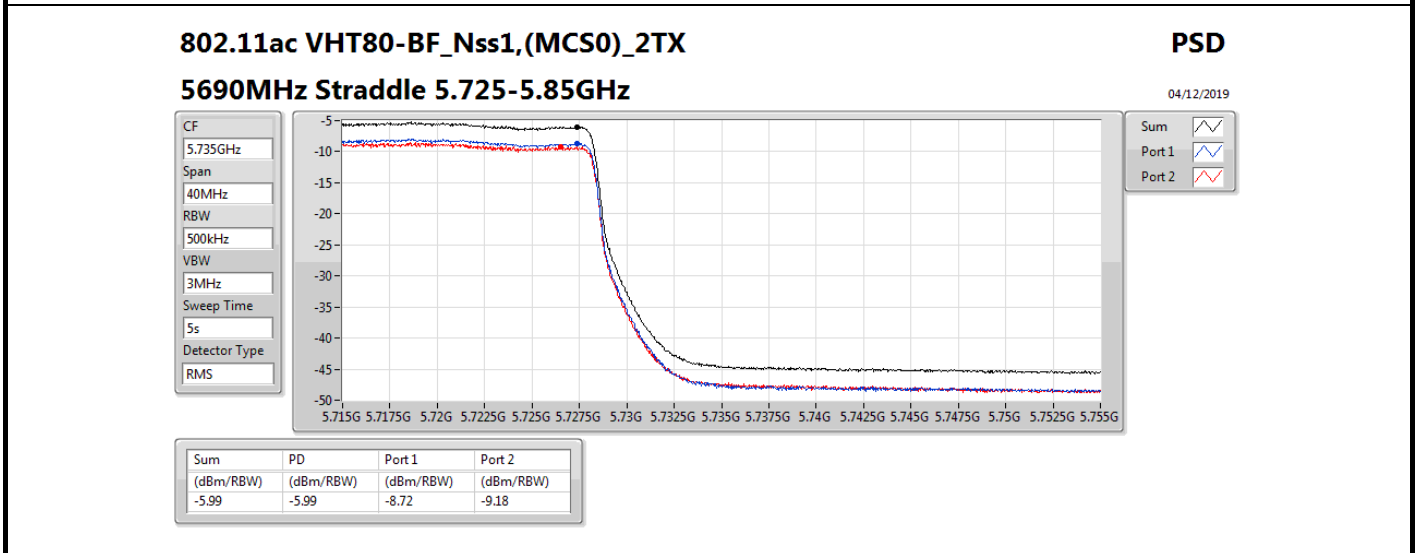
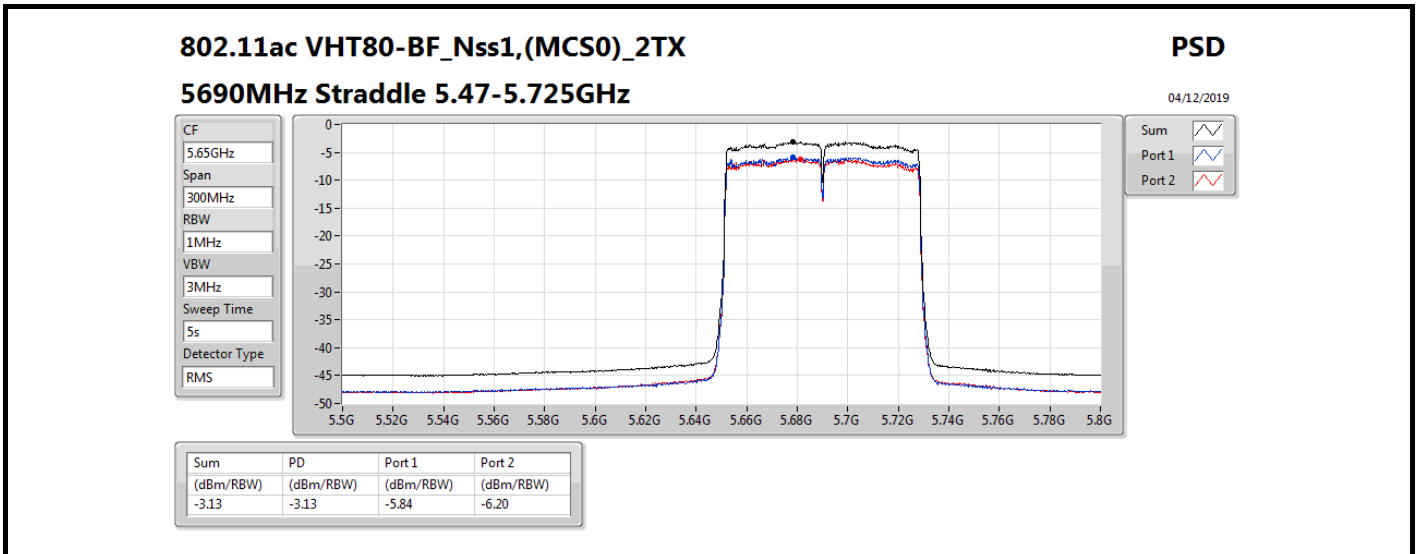


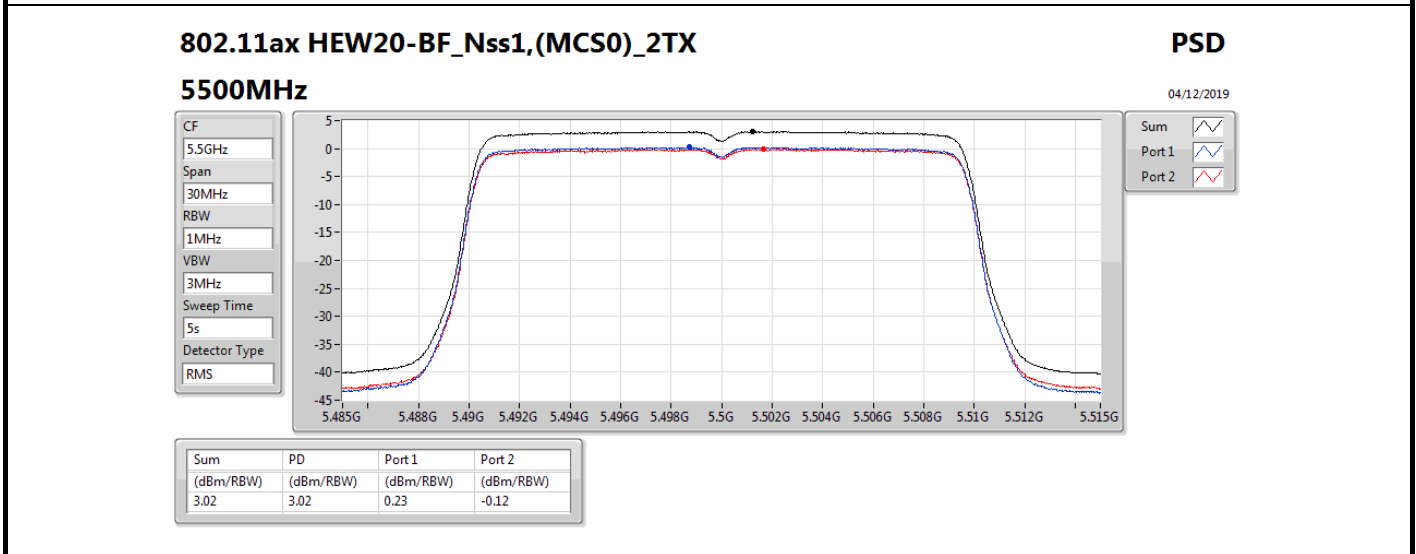
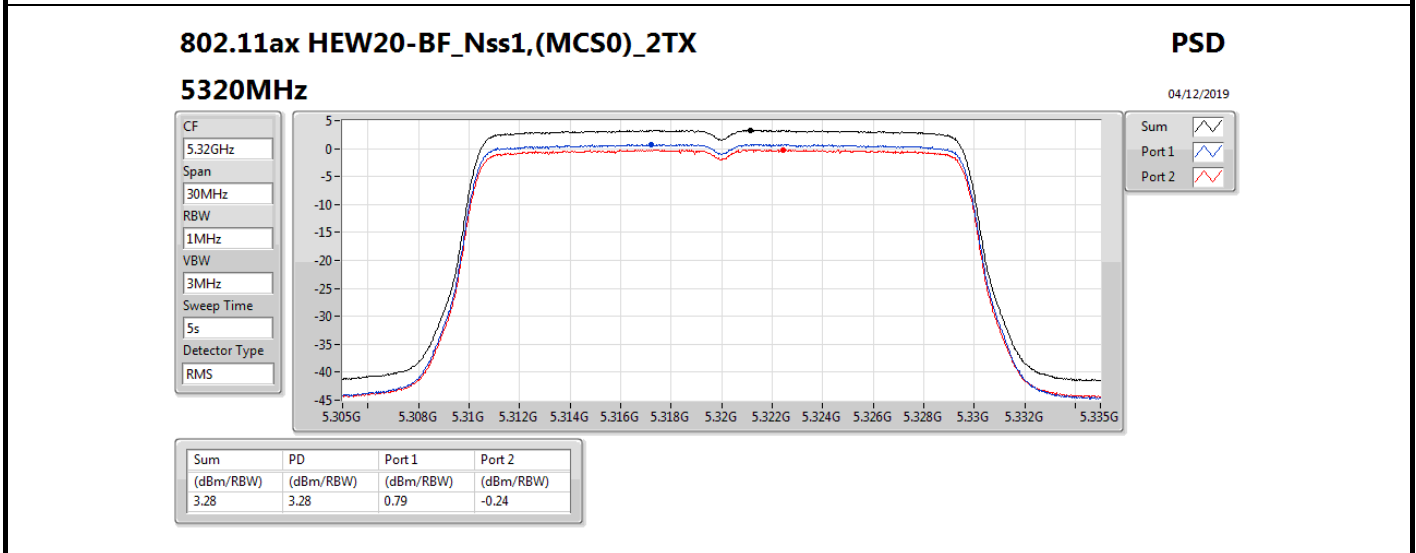
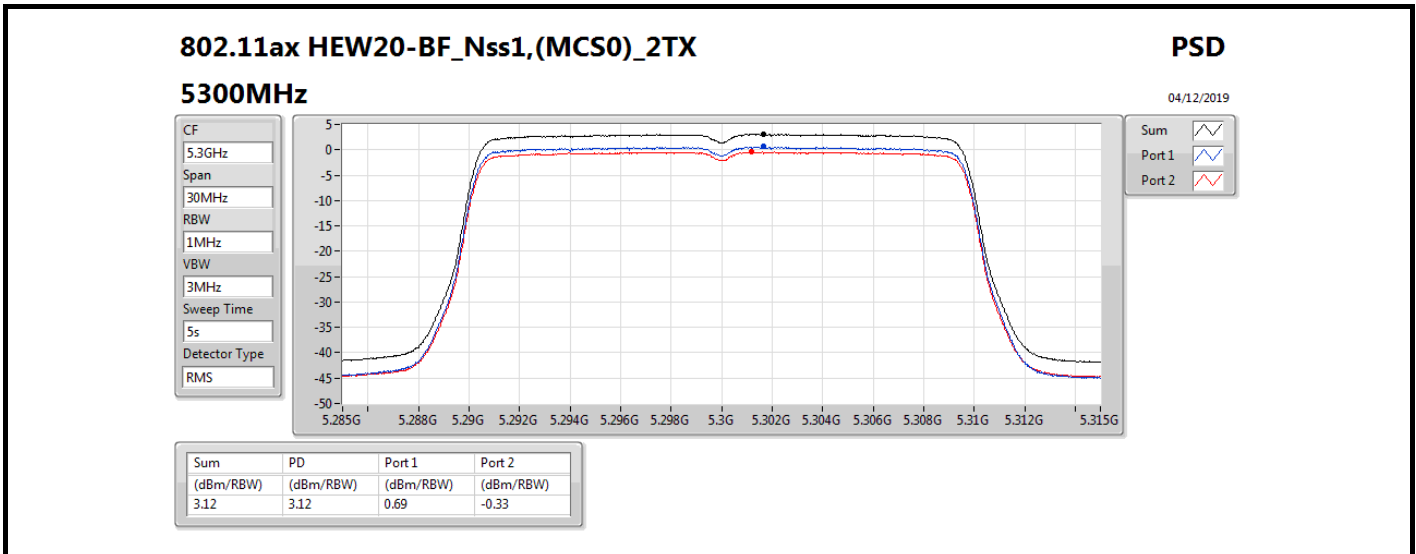
| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.82 | 0.82 | -1.56 | -2.74 |

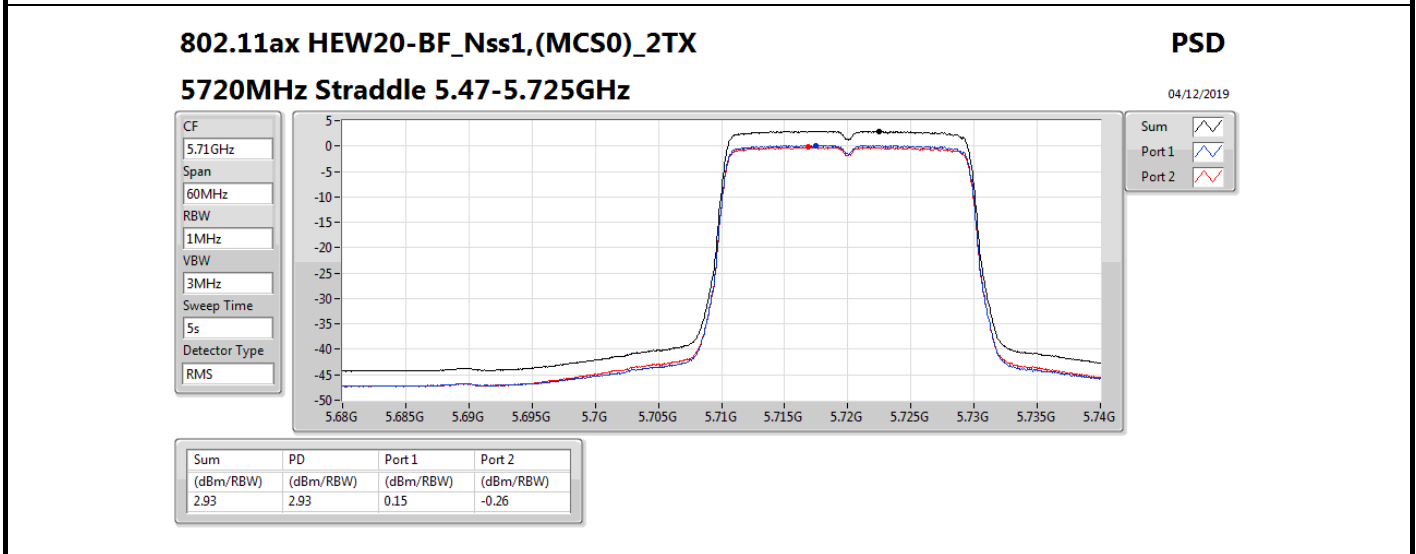
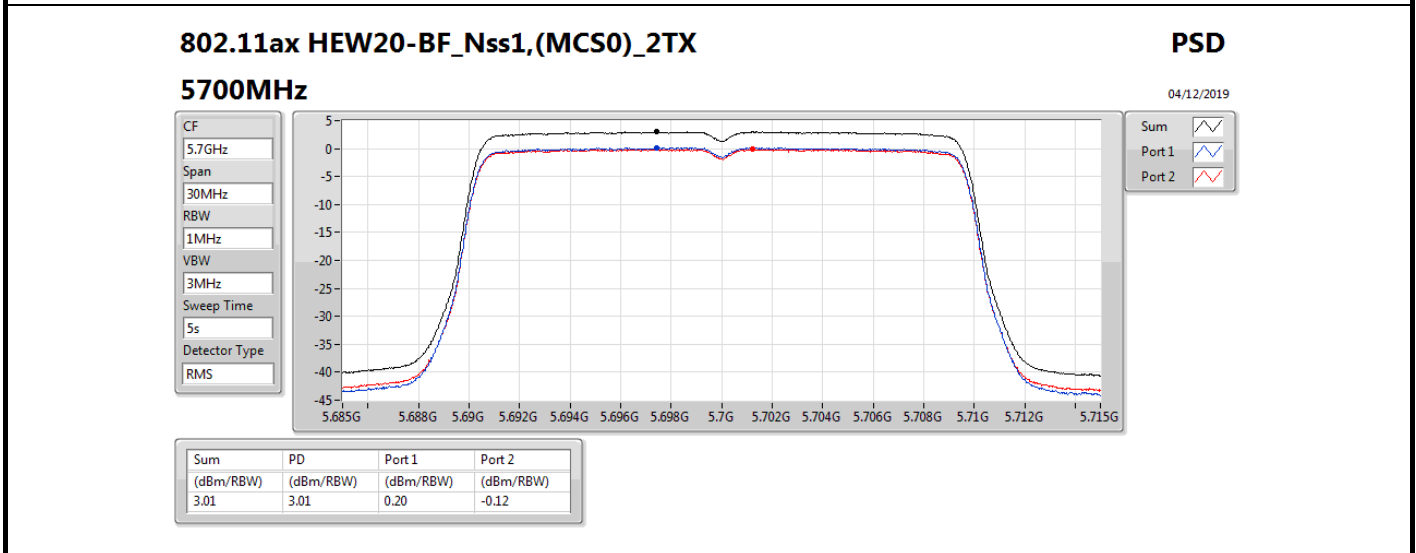
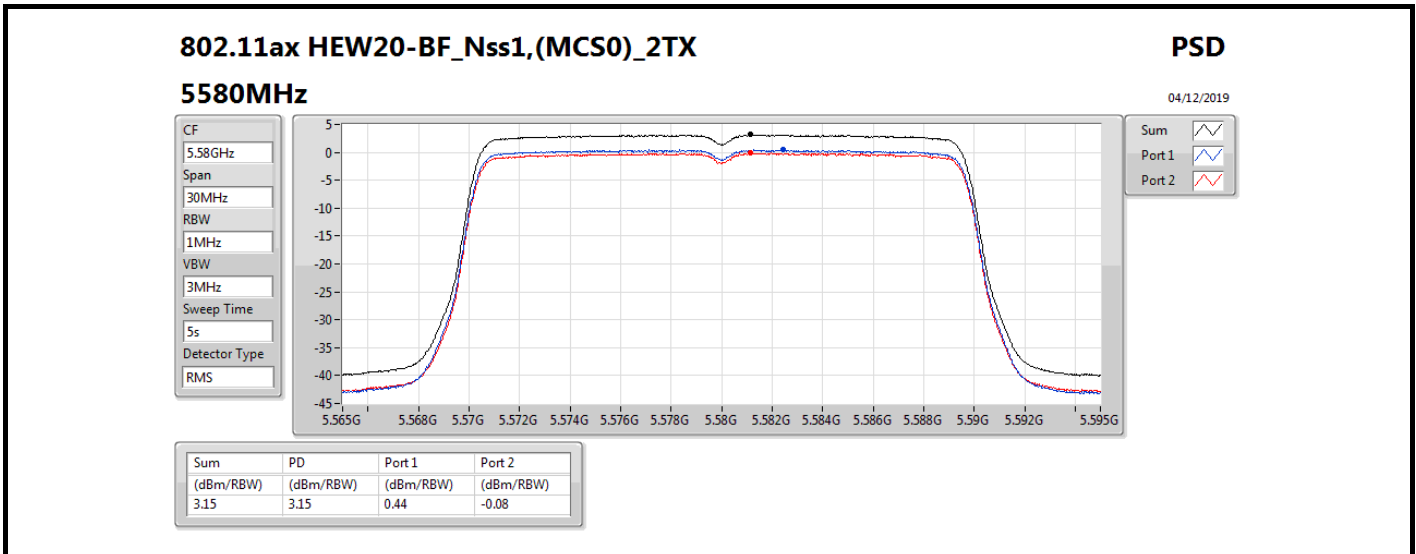










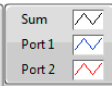
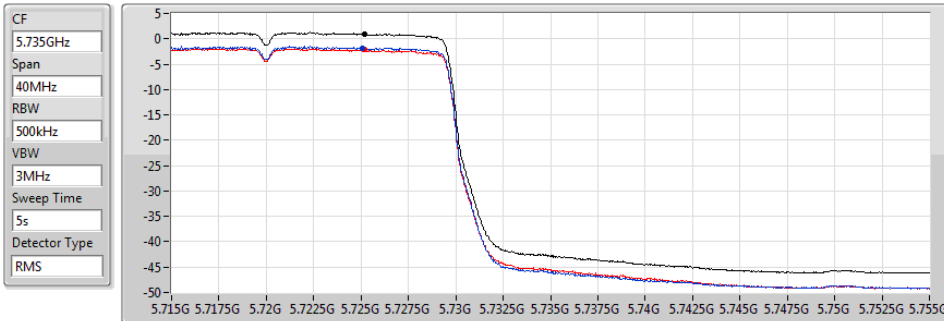


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

04/12/2019



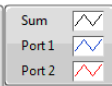
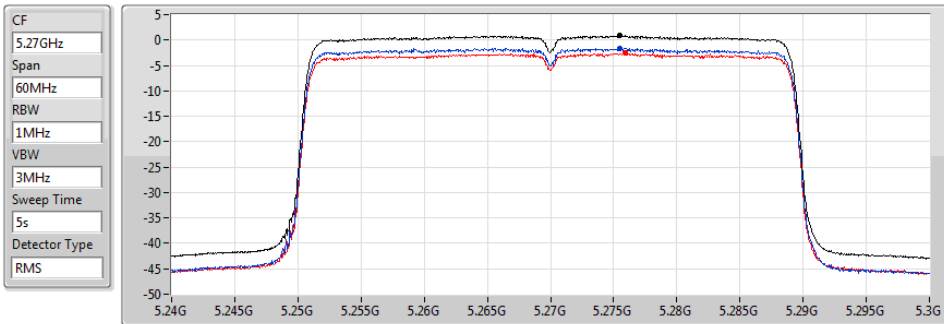
| Sum | PD | Port 1 | Port 2 |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 1.02 | 1.02 | -1.80 | -2.17 |

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5270MHz

04/12/2019



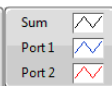
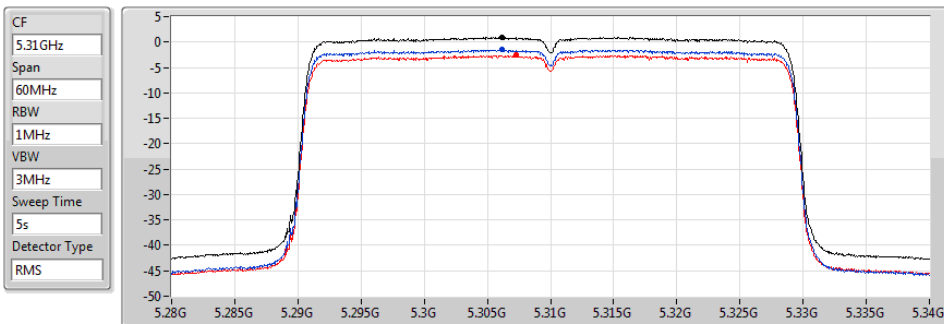
| Sum | PD | Port 1 | Port 2 |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.87 | 0.87 | -1.62 | -2.55 |

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5310MHz

04/12/2019



| Sum | PD | Port 1 | Port 2 |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.90 | 0.90 | -1.54 | -2.62 |

