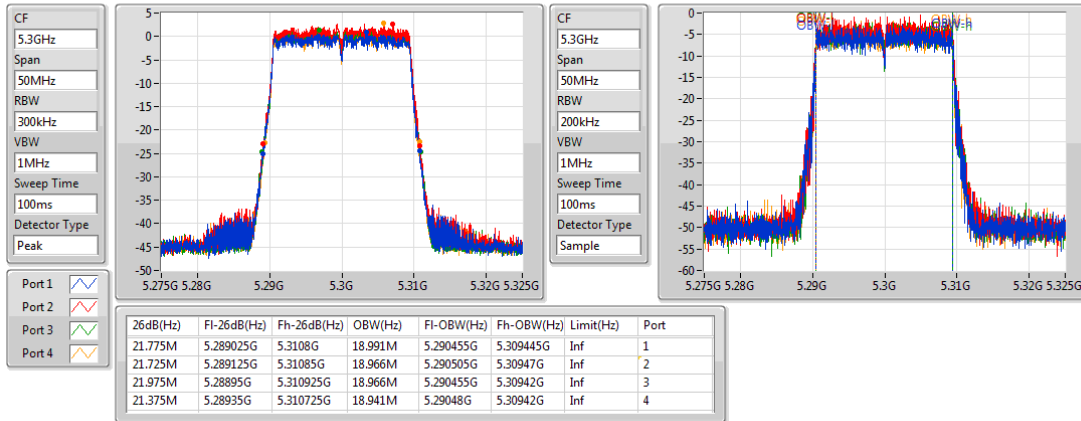


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

04/03/2019

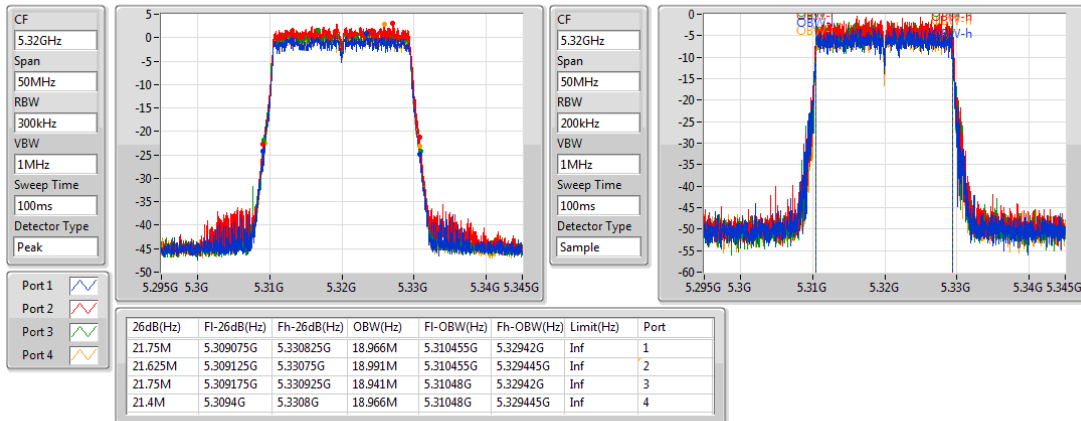


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

04/03/2019

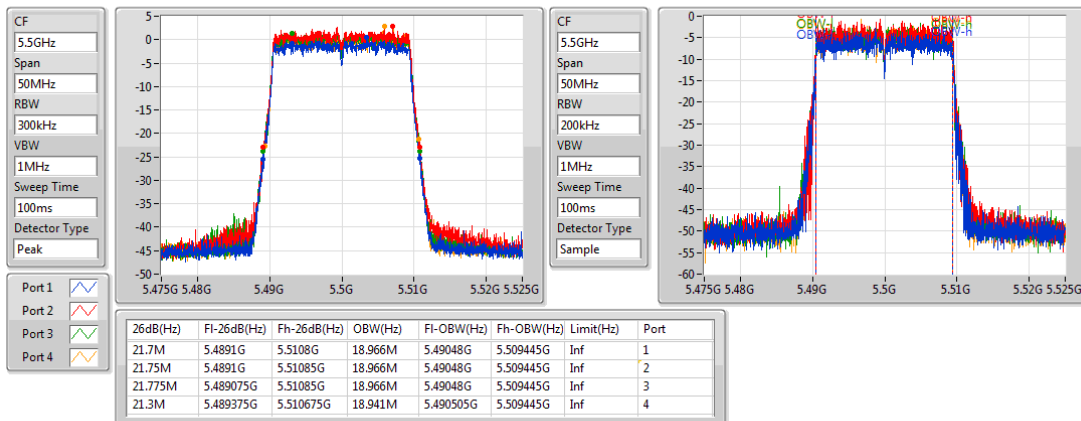


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

04/03/2019

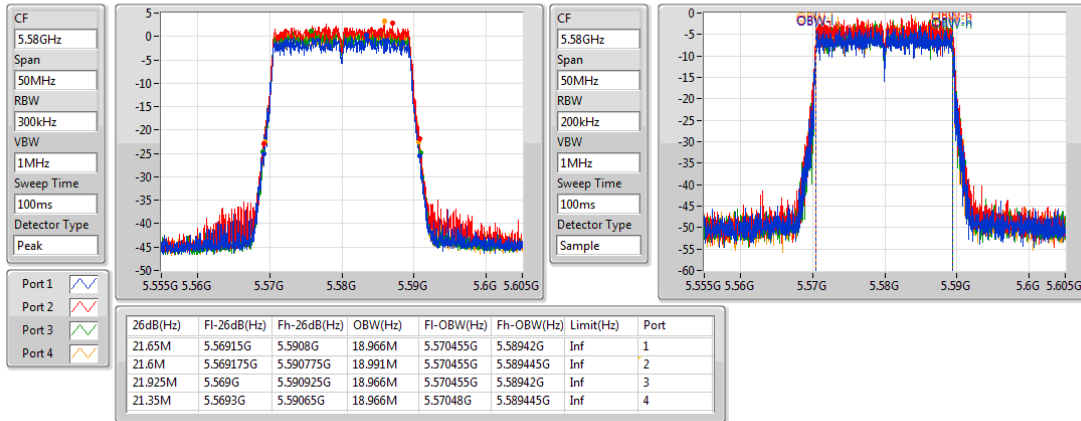


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

04/03/2019

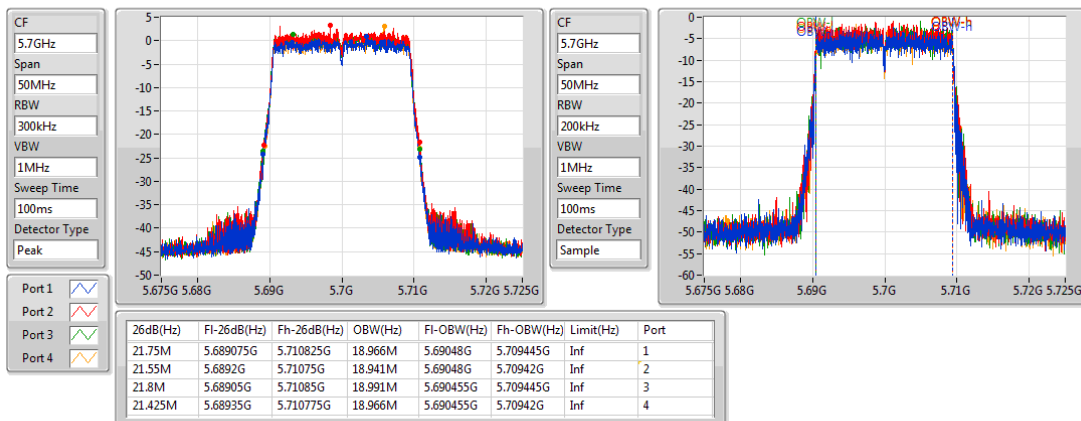


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

04/03/2019

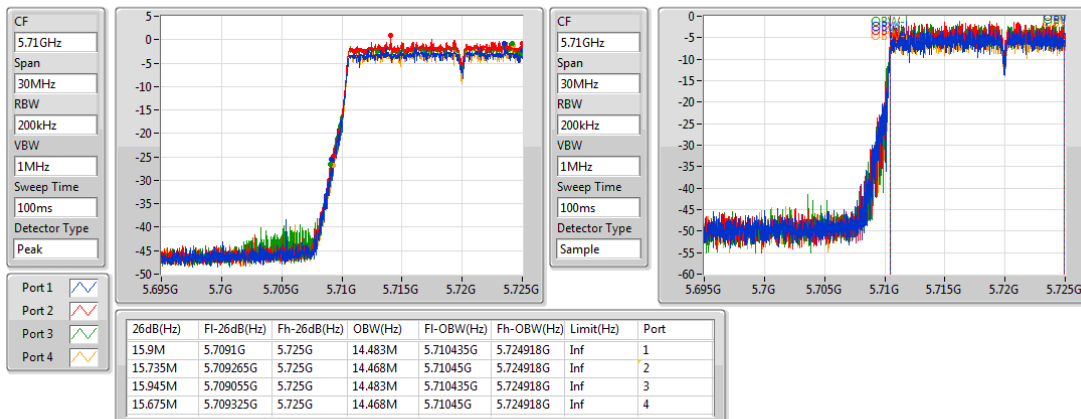


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/03/2019

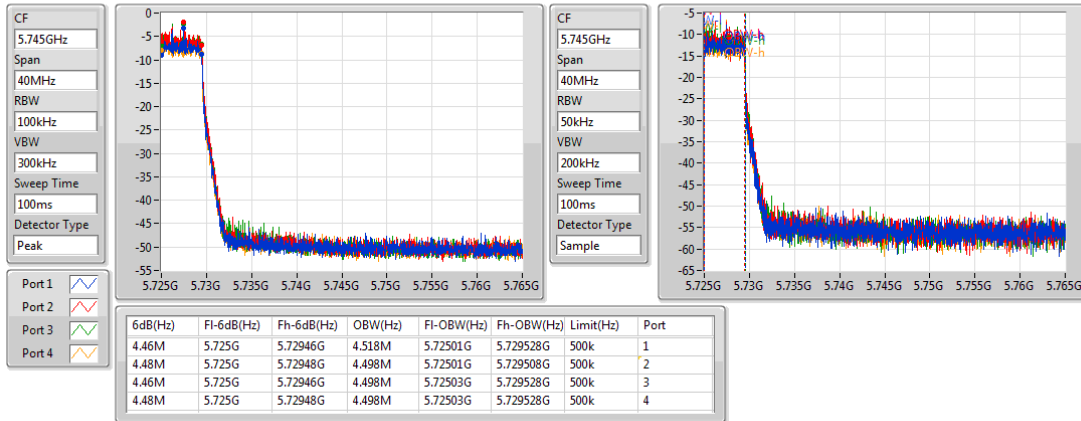


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/03/2019

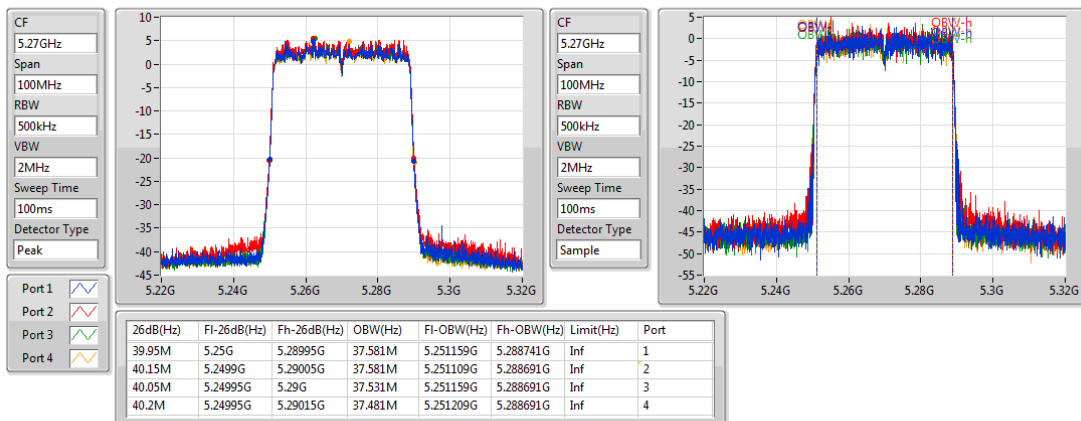


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

04/03/2019

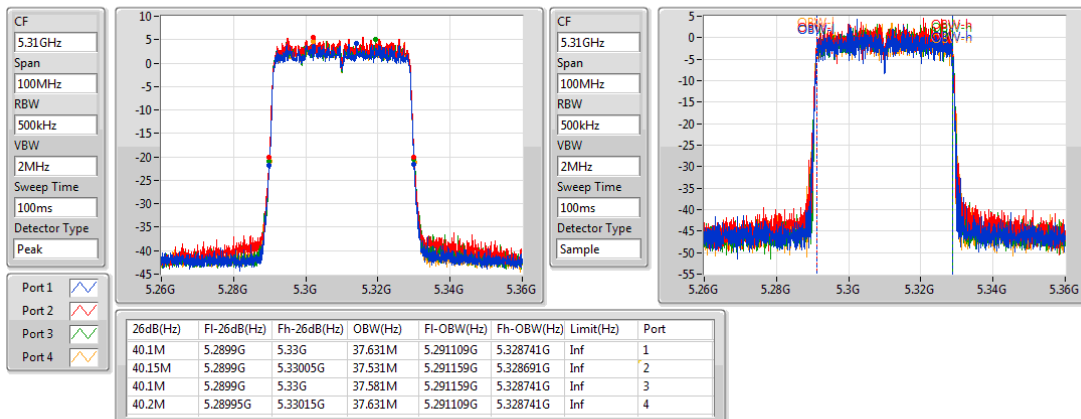


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

04/03/2019

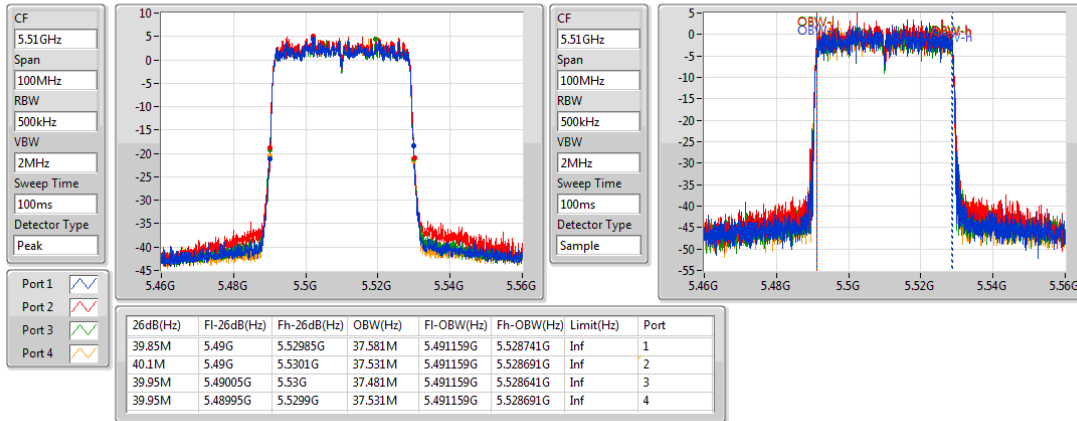


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

04/03/2019

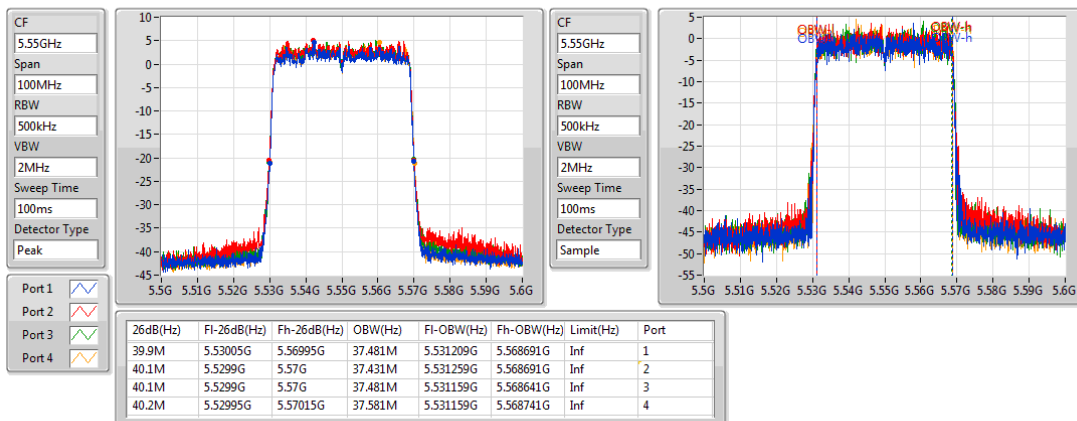


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

04/03/2019

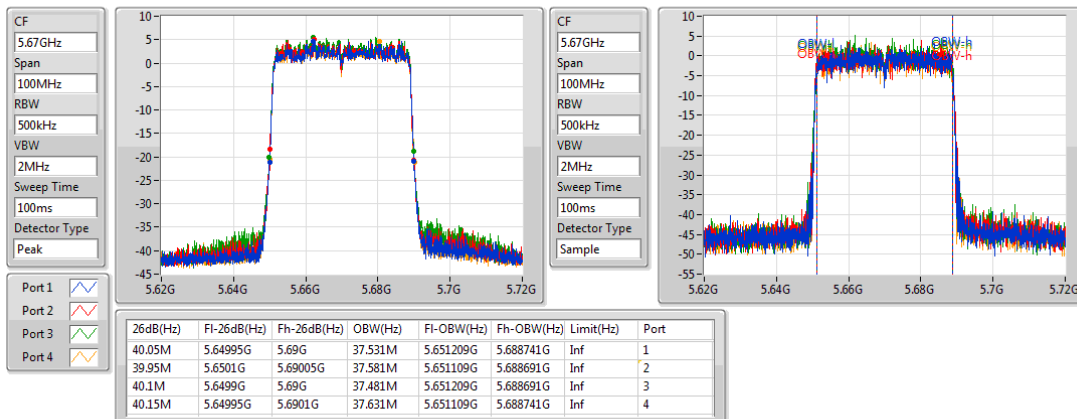


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

04/03/2019

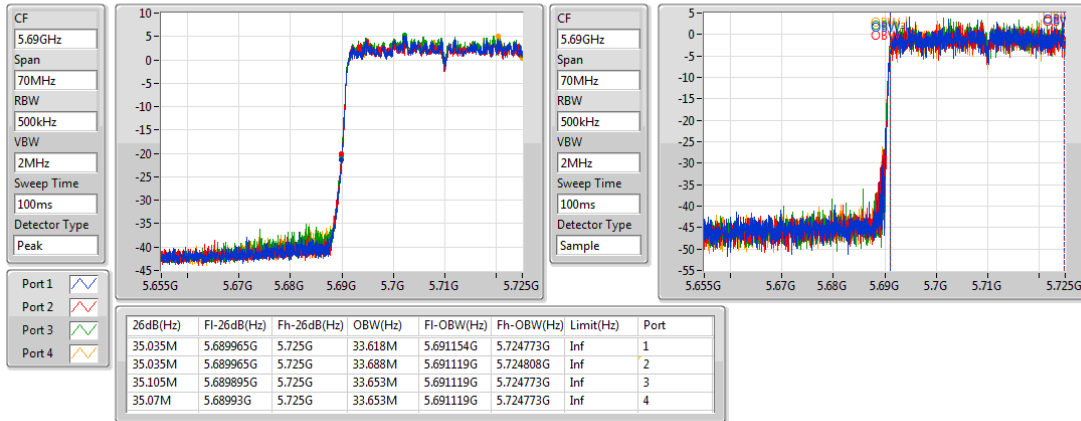


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

04/03/2019

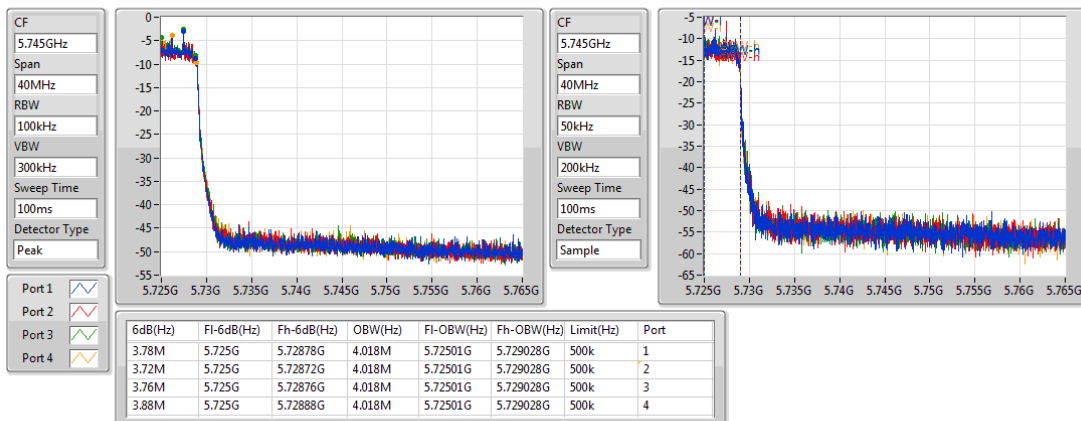


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/03/2019

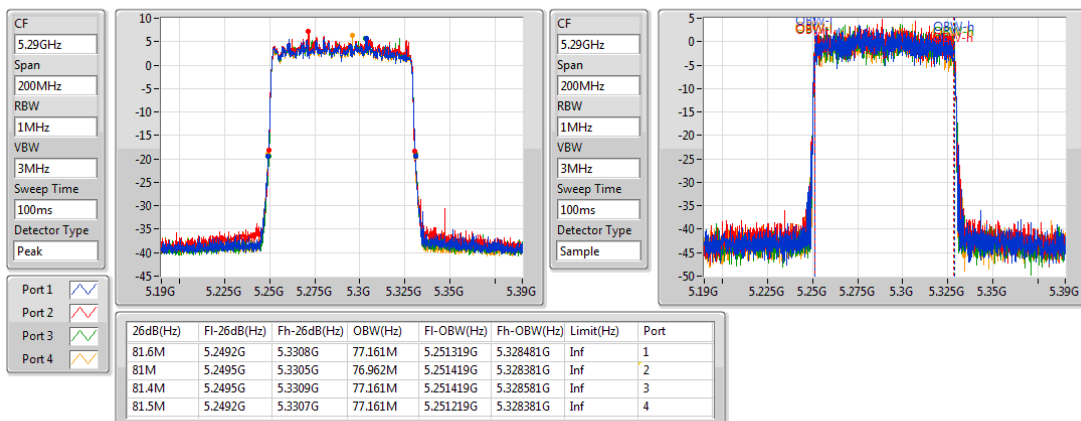


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

04/03/2019

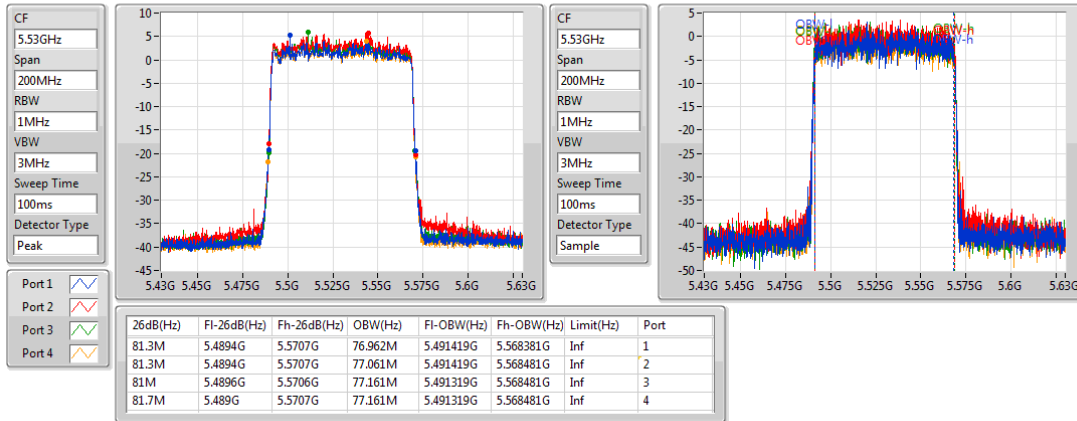


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

04/03/2019

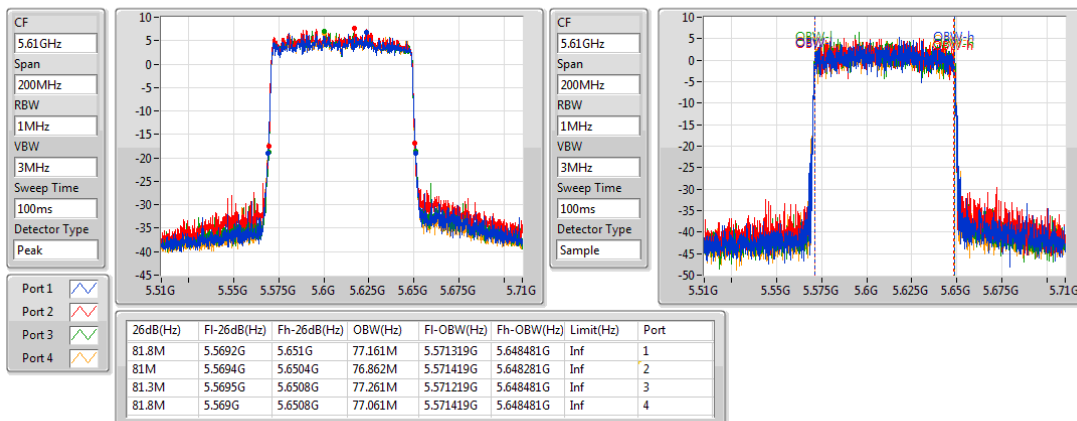


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

04/03/2019

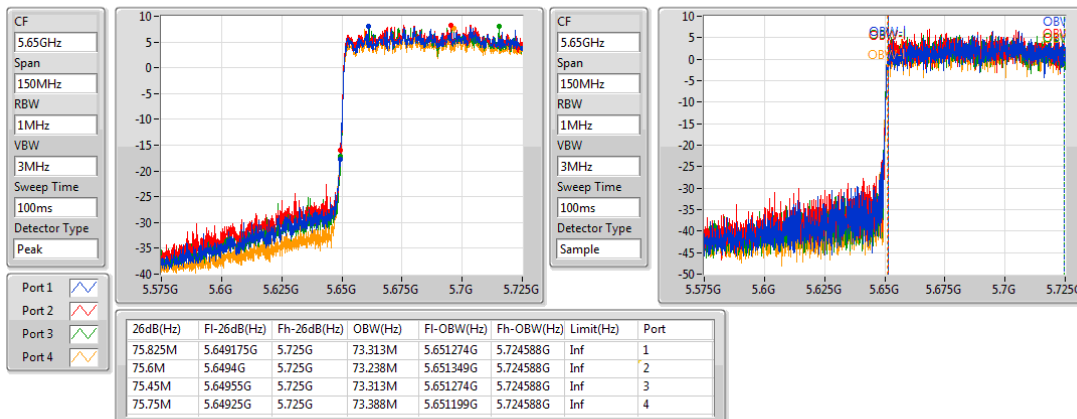


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

04/03/2019

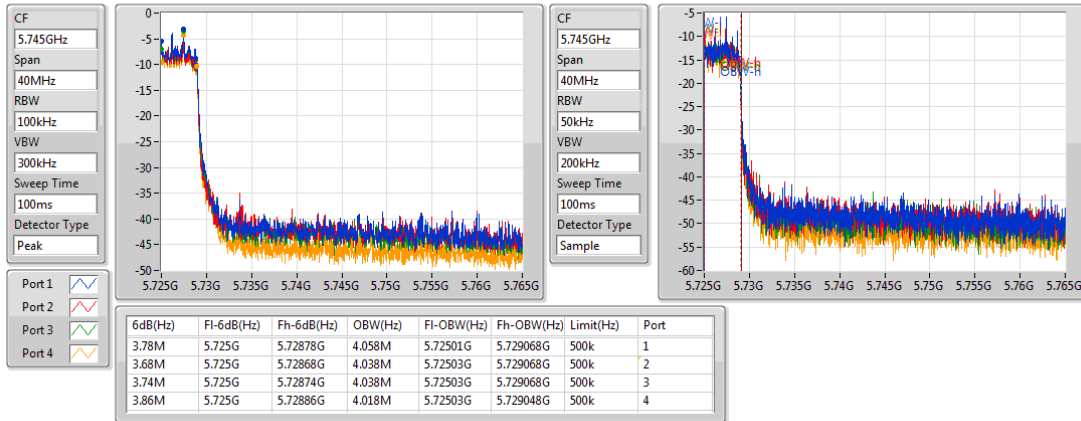


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/03/2019

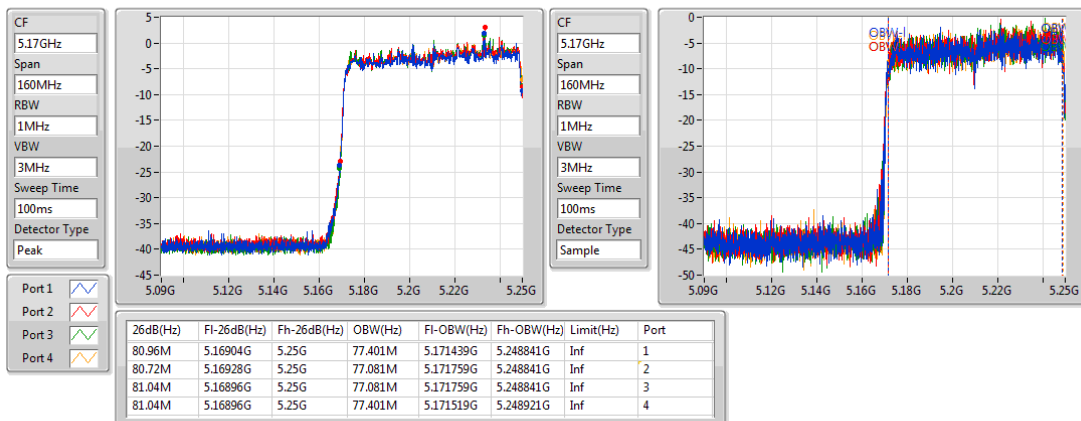


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/03/2019

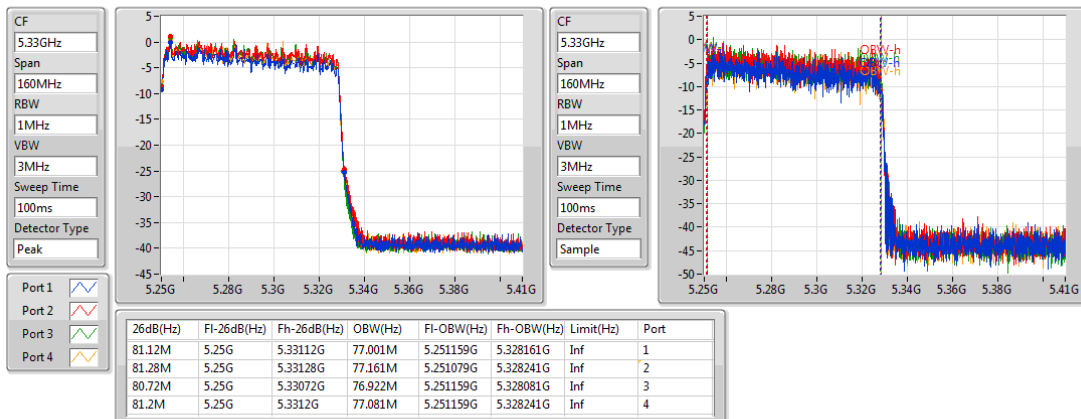


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/03/2019

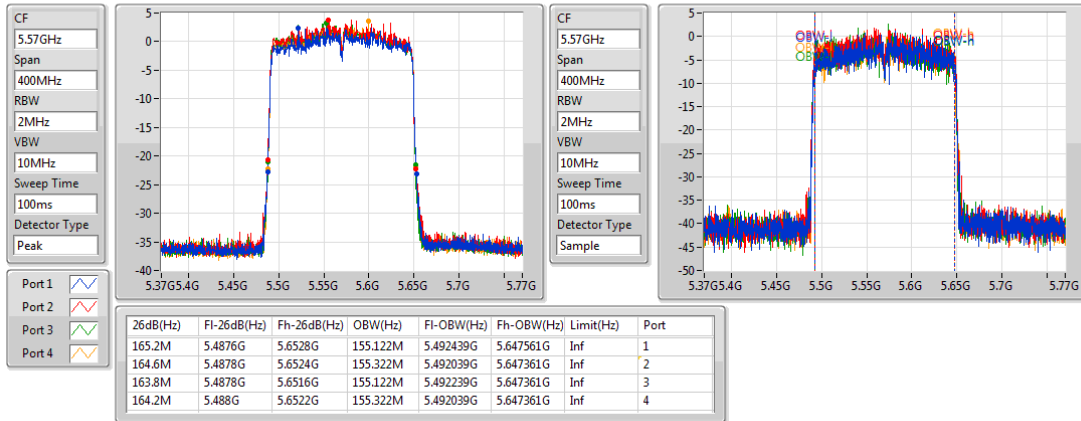


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

04/03/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	80.88M	77.241M	77M2D1D	80.64M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.875M	18.991M	19M0D1D	21.425M	18.916M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.1M	37.631M	37M6D1D	39.9M	37.431M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.8M	77.261M	77M3D1D	81.4M	76.962M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.52M	77.161M	77M2D1D	81.04M	76.842M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.9M	18.991M	19M0D1D	15.69M	14.438M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.25M	37.581M	37M6D1D	34.965M	33.618M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.7M	77.261M	77M3D1D	75.6M	73.088M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.2M	155.322M	155MD1D	163.6M	154.923M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.5M	4.538M	4M54D1D	4.48M	4.498M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.94M	4.038M	4M04D1D	3.72M	4.018M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.88M	4.078M	4M08D1D	3.76M	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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.6M	18.966M	21.625M	18.966M	21.875M	18.966M	21.45M	18.966M
5300MHz	Pass	Inf	21.75M	18.966M	21.65M	18.966M	21.875M	18.966M	21.425M	18.966M
5320MHz	Pass	Inf	21.725M	18.941M	21.65M	18.991M	21.675M	18.916M	21.425M	18.966M
5500MHz	Pass	Inf	21.725M	18.966M	21.725M	18.941M	21.9M	18.991M	21.45M	18.941M
5580MHz	Pass	Inf	21.75M	18.941M	21.475M	18.966M	21.75M	18.941M	21.425M	18.941M
5700MHz	Pass	Inf	21.725M	18.966M	21.575M	18.966M	21.85M	18.991M	21.375M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.438M	15.72M	14.468M	15.96M	14.453M	15.69M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.498M	4.5M	4.538M	4.5M	4.518M	4.5M	4.538M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.95M	37.531M	40.1M	37.531M	40.1M	37.531M	40.1M	37.631M
5310MHz	Pass	Inf	39.95M	37.581M	39.9M	37.431M	40.05M	37.531M	39.95M	37.581M
5510MHz	Pass	Inf	40M	37.531M	40.2M	37.581M	40.05M	37.581M	40M	37.581M
5550MHz	Pass	Inf	39.95M	37.531M	40.05M	37.581M	40.05M	37.481M	40.25M	37.581M
5670MHz	Pass	Inf	39.95M	37.431M	40.15M	37.481M	40.1M	37.531M	40.1M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.618M	35.035M	33.618M	35M	33.723M	35.035M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.018M	3.8M	4.038M	3.72M	4.018M	3.76M	4.038M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.8M	77.261M	81.4M	77.261M	81.4M	76.962M	81.7M	76.962M
5530MHz	Pass	Inf	81.7M	77.061M	81.5M	77.061M	81M	77.261M	81.6M	77.061M
5610MHz	Pass	Inf	81.5M	77.161M	81.4M	77.161M	81.2M	76.962M	81.6M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.675M	73.088M	75.6M	73.163M	75.675M	73.313M	75.975M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.078M	3.88M	4.038M	3.76M	4.058M	3.86M	4.058M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.72M	77.081M	80.64M	77.001M	80.88M	77.161M	80.88M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.52M	76.842M	81.2M	77.081M	81.04M	77.161M	81.28M	77.001M
5570MHz	Pass	Inf	165.2M	155.122M	164.6M	154.923M	163.6M	155.122M	164.8M	155.322M

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

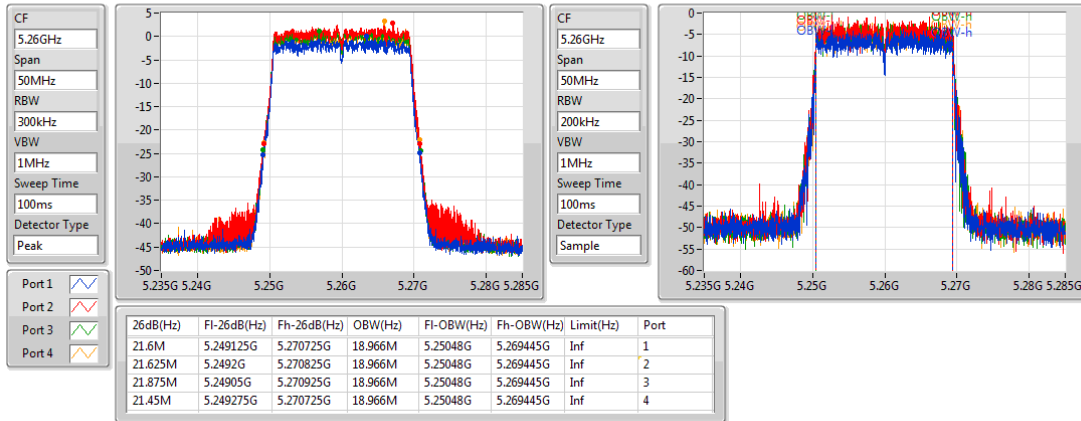
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

05/03/2019

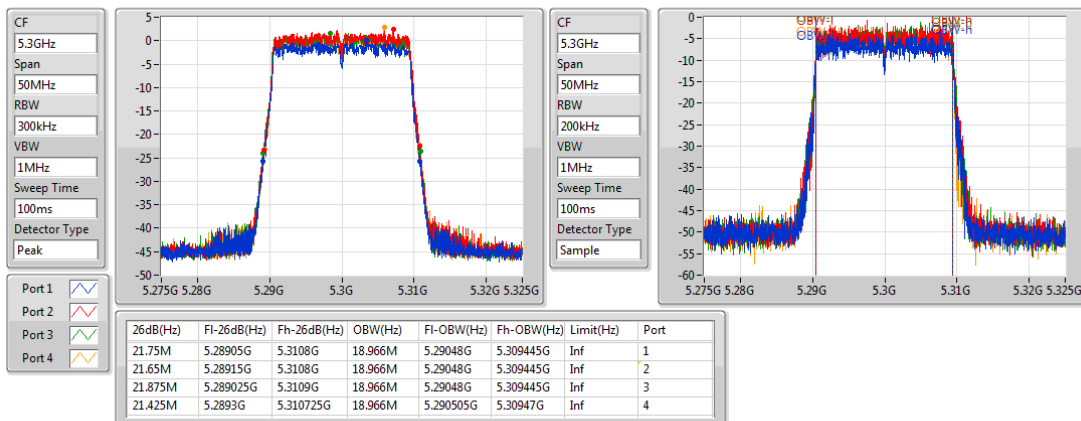


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

05/03/2019

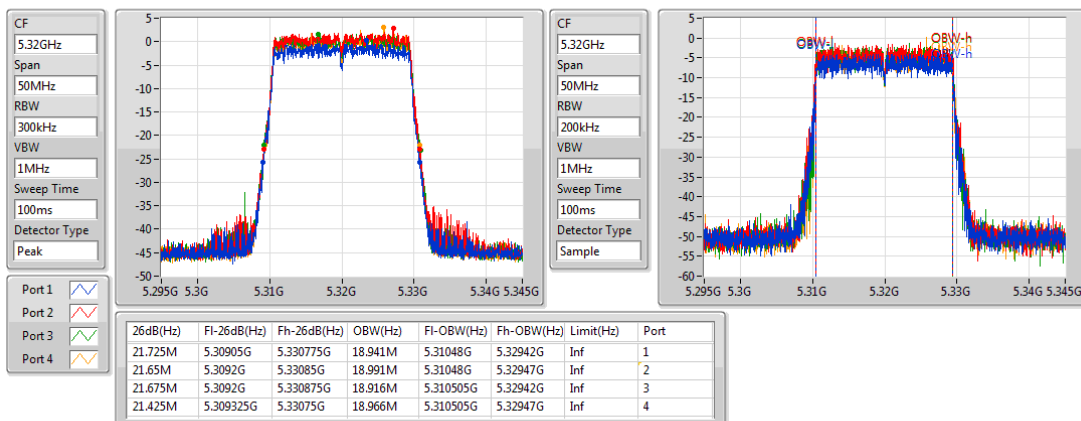


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

05/03/2019

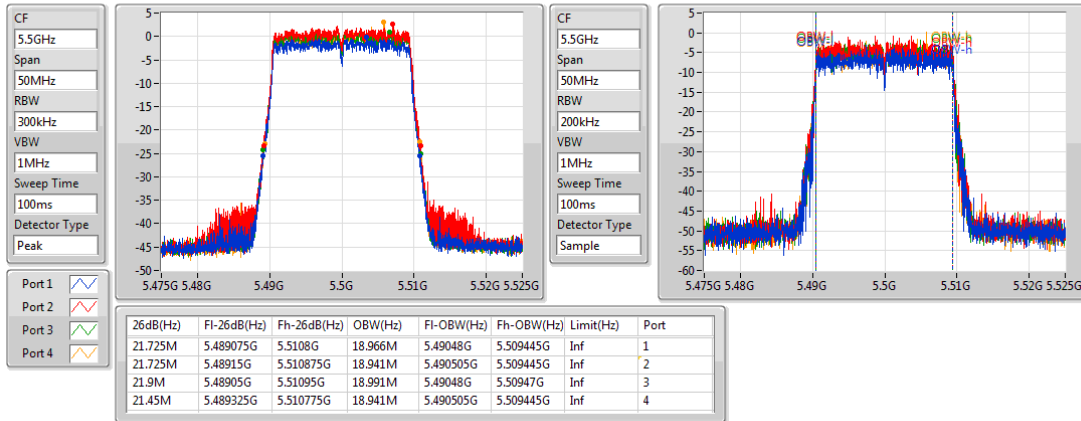


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

05/03/2019

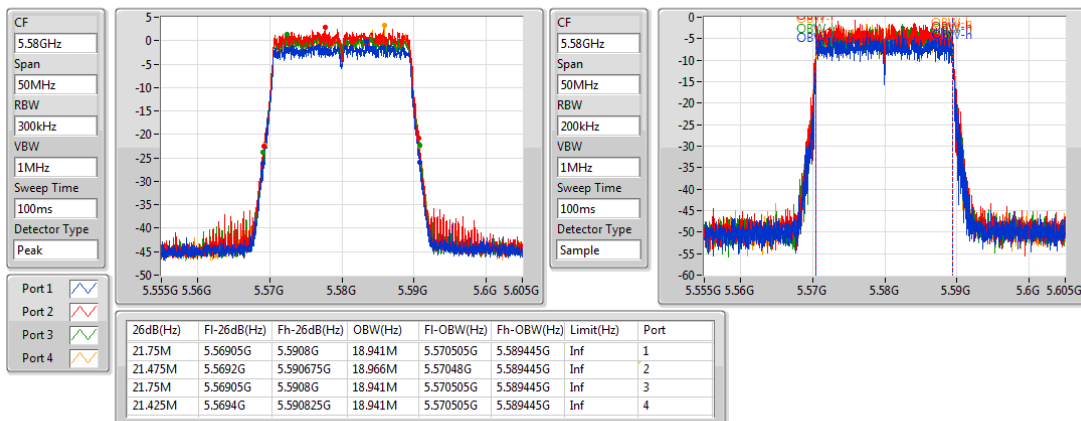


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

05/03/2019

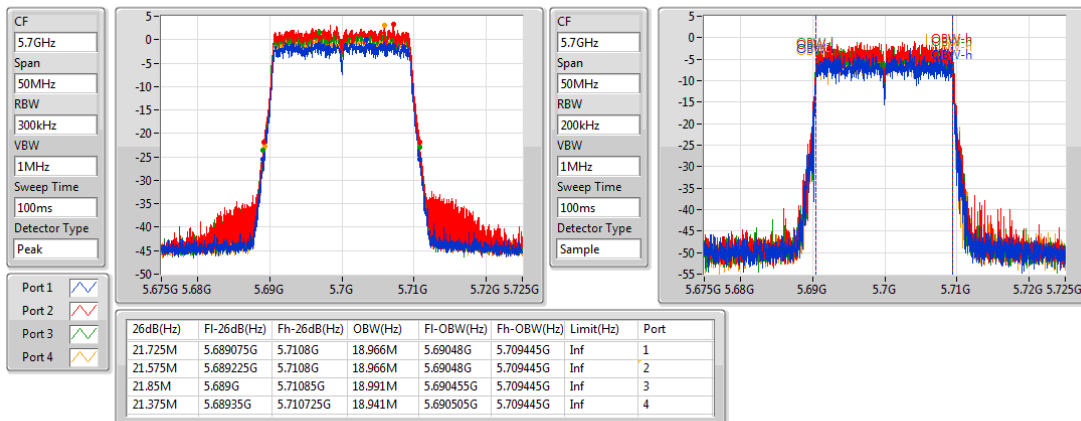


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

05/03/2019

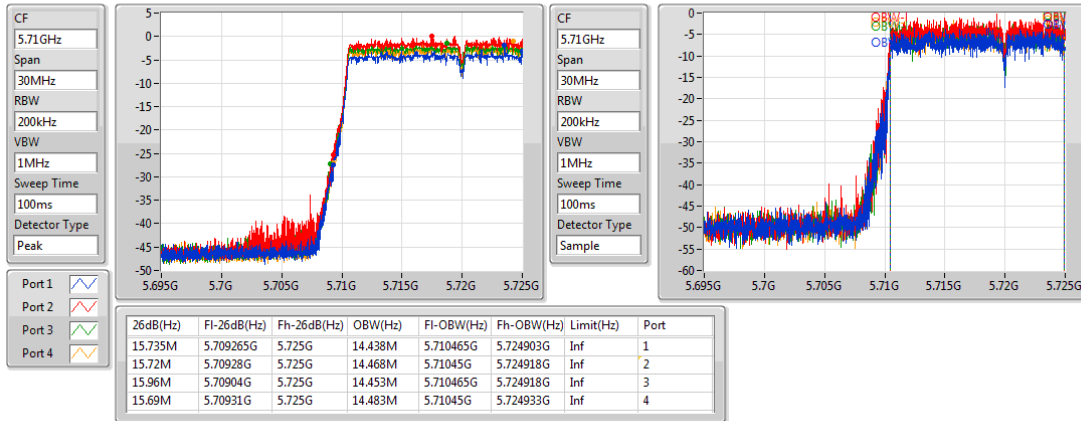


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/03/2019

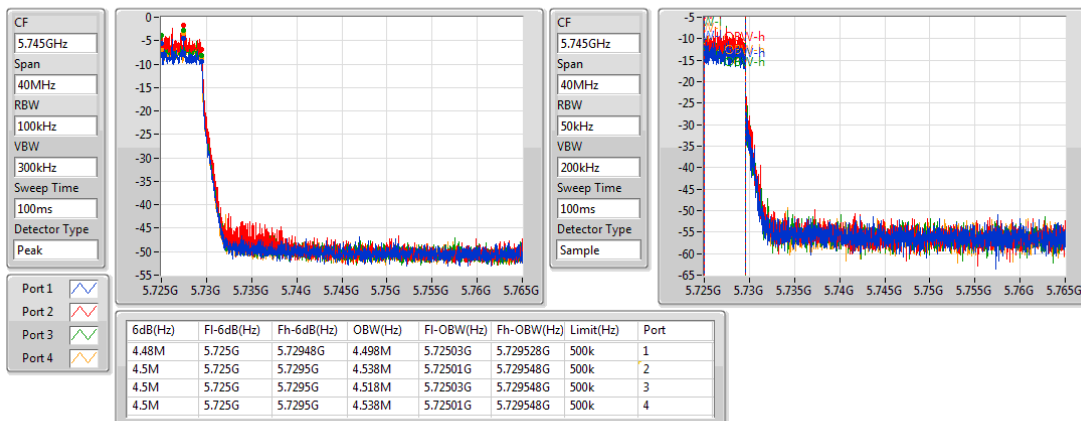


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

06/03/2019

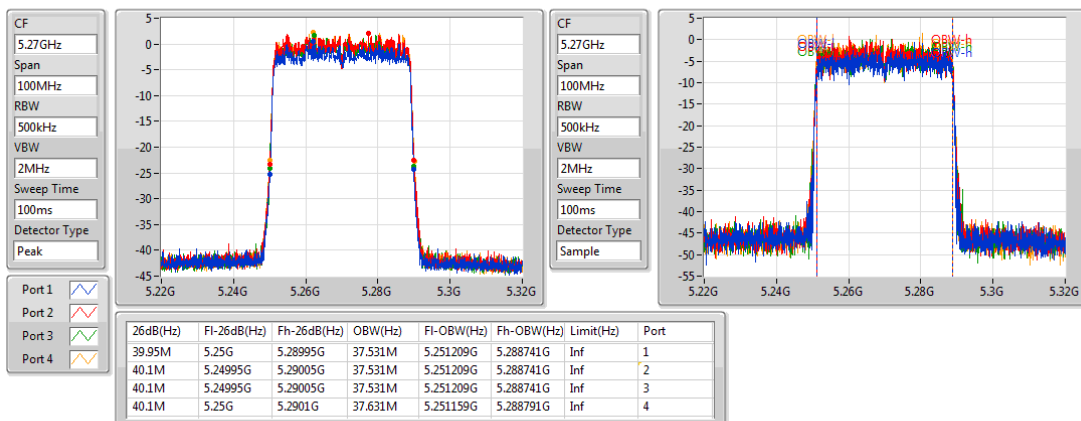


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

05/03/2019

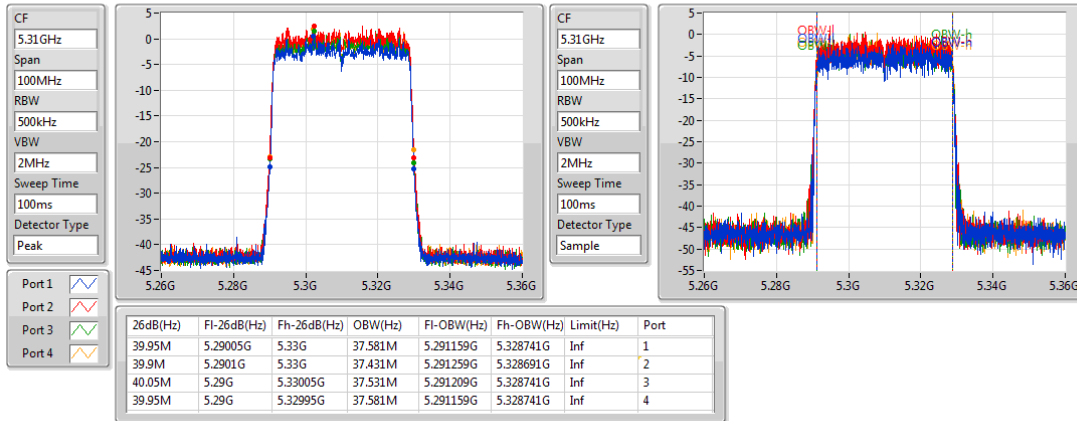


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

05/03/2019

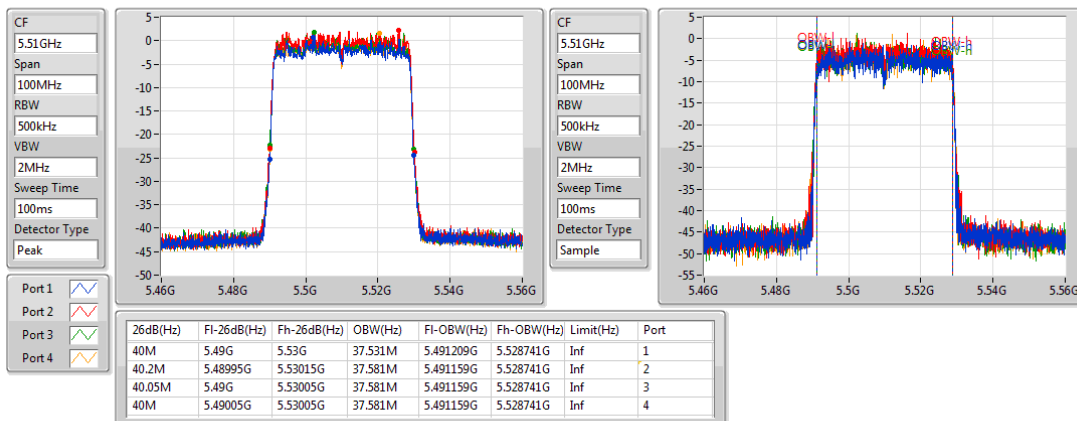


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

05/03/2019

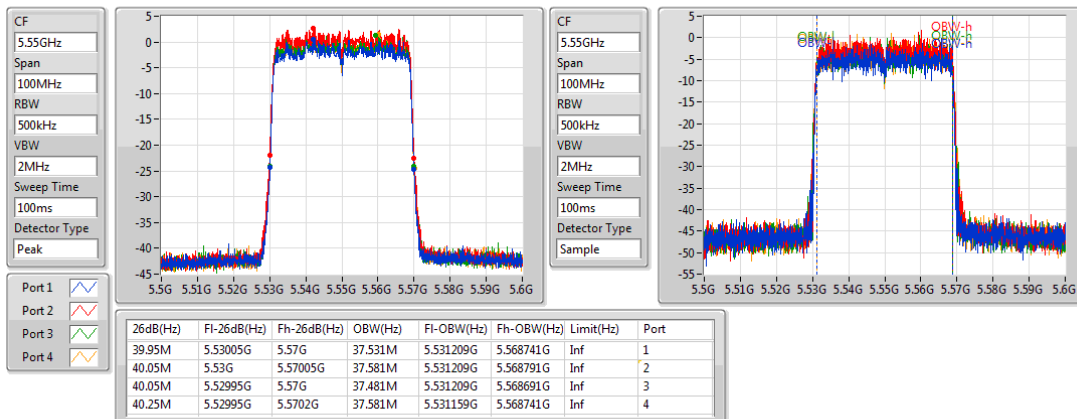


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

05/03/2019

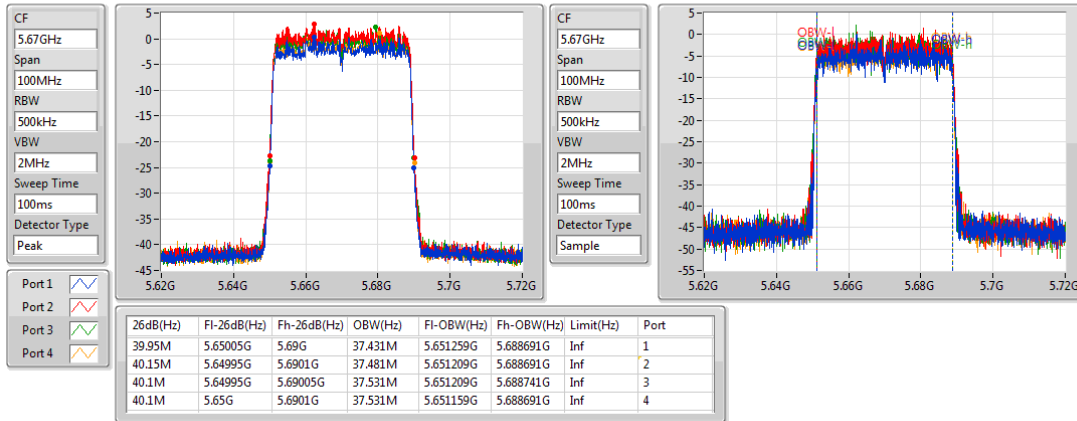


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

05/03/2019

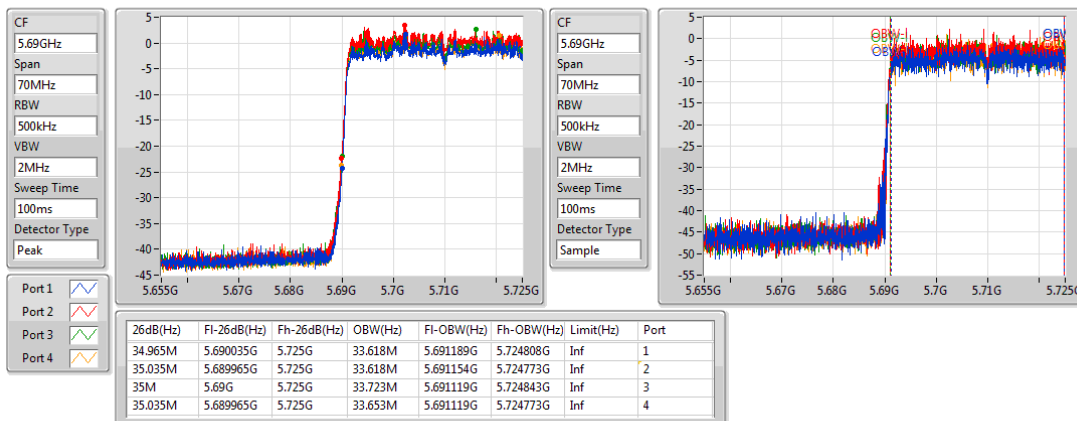


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

06/03/2019

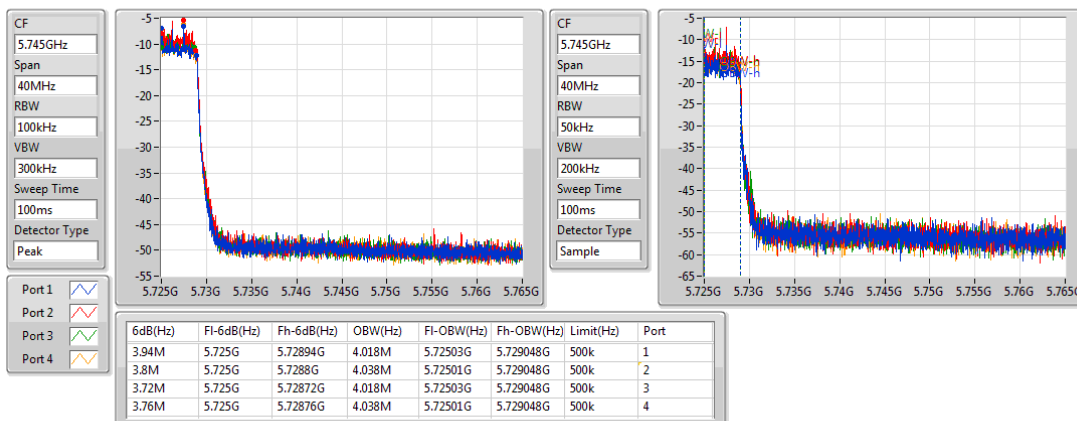


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

06/03/2019

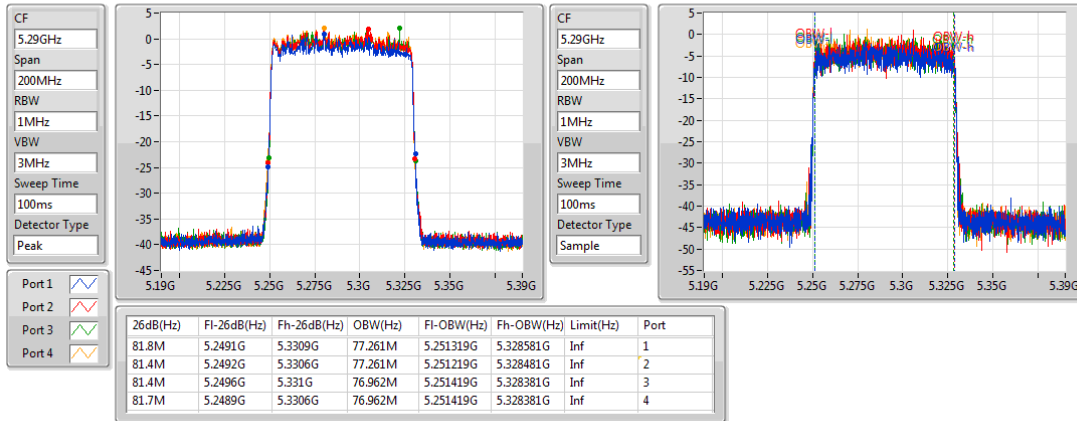


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

05/03/2019

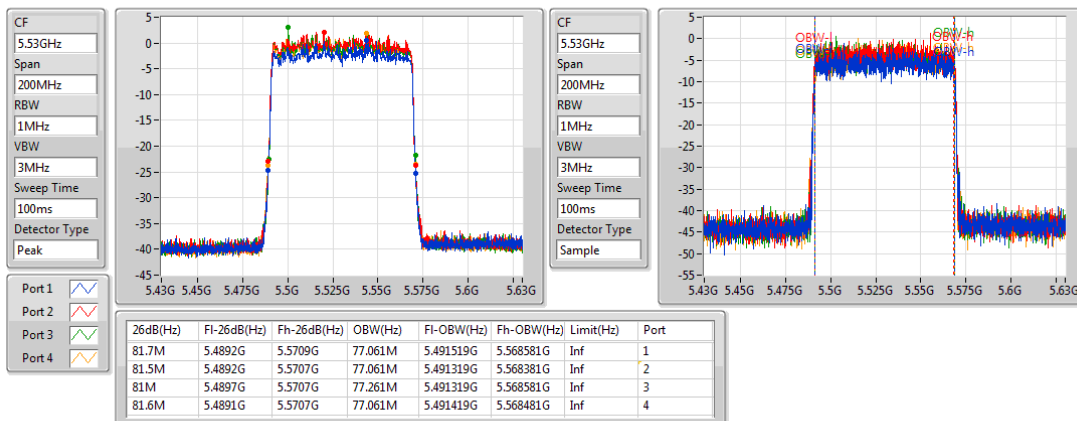


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

05/03/2019

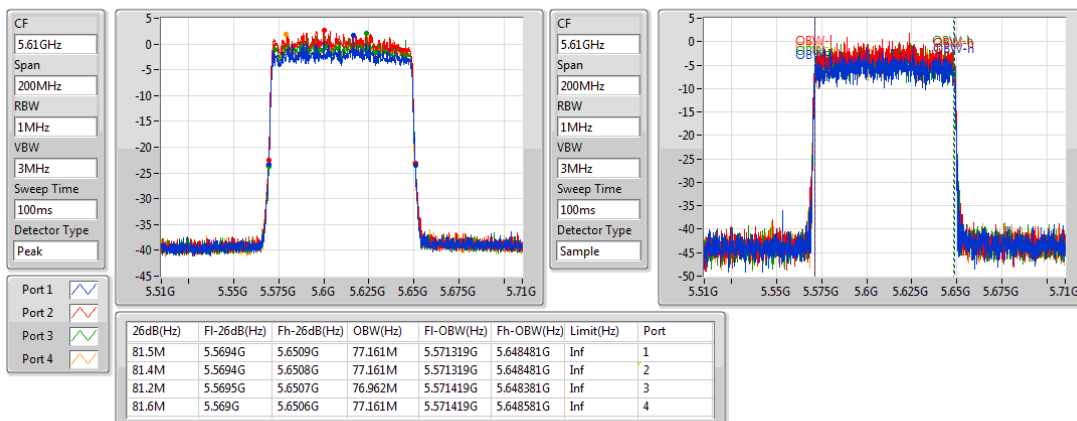


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

05/03/2019

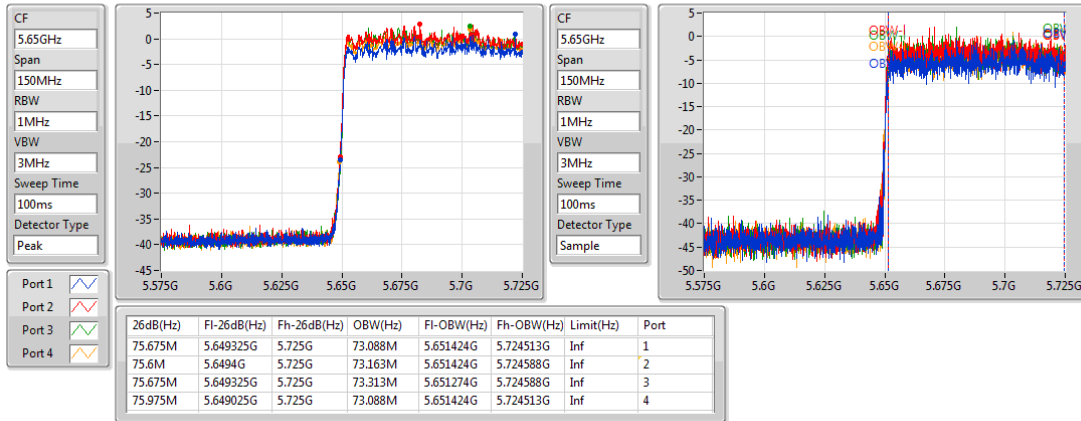


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

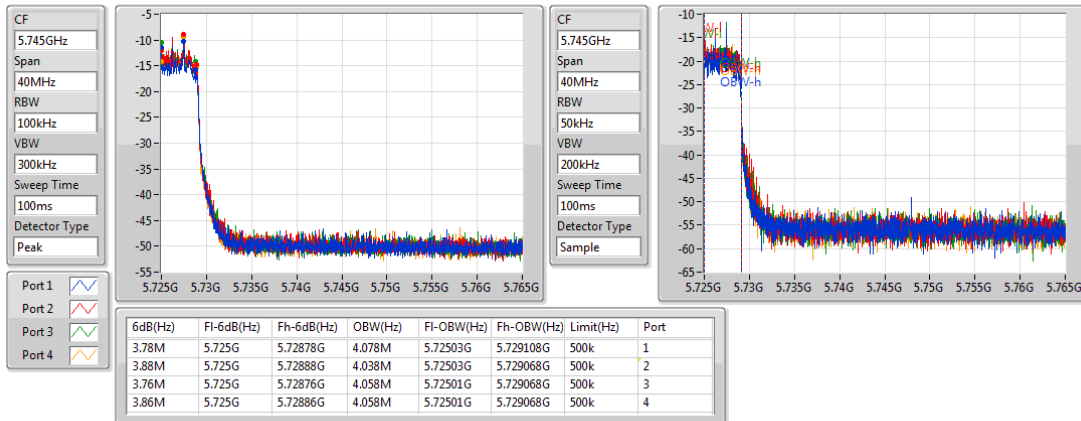


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

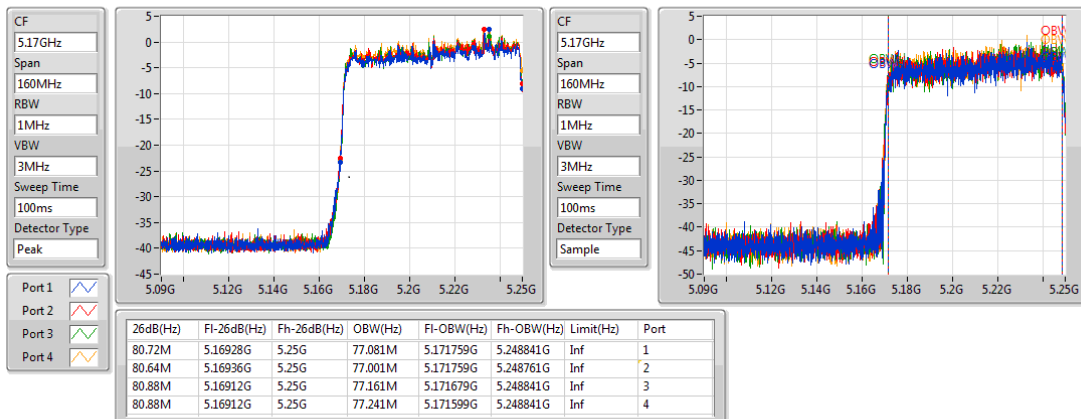


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/03/2019

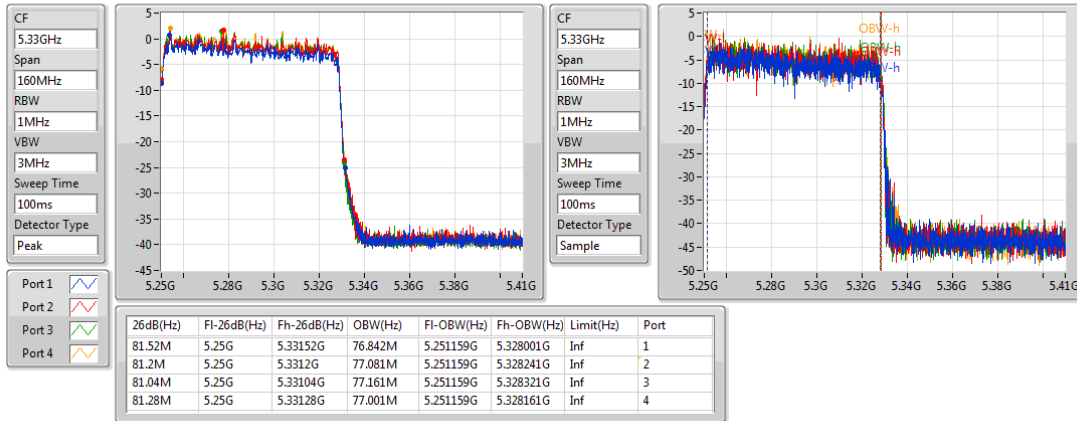


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/03/2019

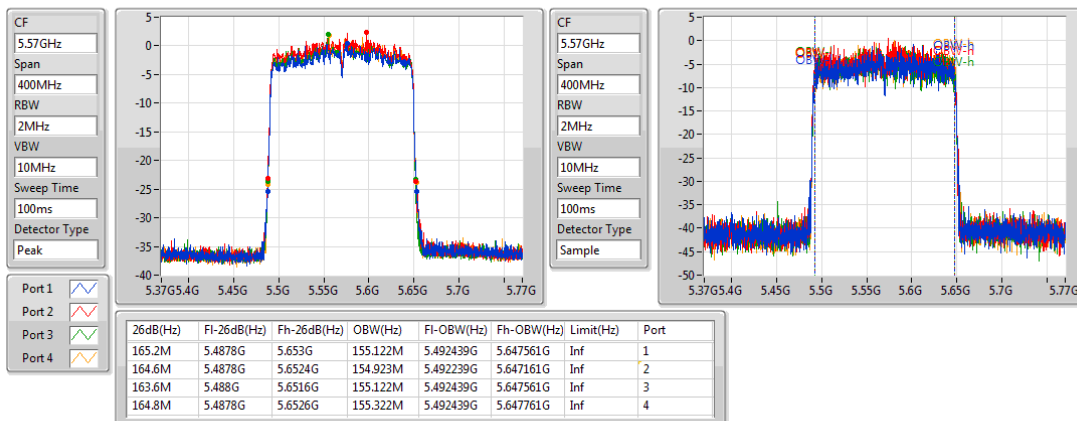


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

05/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	81.44M	77.481M	77M5D1D	80.48M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.925M	18.991M	19M0D1D	21.325M	18.891M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.25M	37.581M	37M6D1D	39.95M	37.431M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.8M	77.161M	77M2D1D	81.3M	76.762M
802.11ax HEW160_Nss4,(MCS0)_4TX	82.16M	77.161M	77M2D1D	81.2M	76.922M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.95M	18.991M	19M0D1D	15.6M	14.483M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.3M	37.681M	37M7D1D	35.105M	33.653M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.9M	77.161M	77M2D1D	75.45M	72.939M
802.11ax HEW160_Nss4,(MCS0)_4TX	165.2M	155.122M	155MD1D	163.6M	154.923M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	4.48M	4.518M	4M52D1D	4.38M	4.498M
802.11ax HEW40_Nss4,(MCS0)_4TX	3.9M	4.038M	4M04D1D	3.76M	3.998M
802.11ax HEW80_Nss4,(MCS0)_4TX	3.94M	4.078M	4M08D1D	3.54M	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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.775M	18.991M	21.675M	18.991M	21.925M	18.916M	21.35M	18.966M
5300MHz	Pass	Inf	21.8M	18.966M	21.75M	18.991M	21.9M	18.991M	21.325M	18.941M
5320MHz	Pass	Inf	21.8M	18.941M	21.775M	18.966M	21.9M	18.891M	21.425M	18.966M
5500MHz	Pass	Inf	21.8M	18.941M	21.8M	18.966M	21.95M	18.966M	21.45M	18.966M
5580MHz	Pass	Inf	21.775M	18.966M	21.7M	18.966M	21.925M	18.991M	21.425M	18.991M
5700MHz	Pass	Inf	21.825M	18.941M	21.725M	18.966M	21.9M	18.941M	21.375M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.498M	15.81M	14.513M	15.96M	14.498M	15.6M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.498M	4.48M	4.518M	4.38M	4.518M	4.48M	4.518M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.25M	37.481M	40.2M	37.531M	40M	37.531M	40.2M	37.581M
5310MHz	Pass	Inf	40.25M	37.431M	39.95M	37.531M	40.1M	37.581M	40.25M	37.531M
5510MHz	Pass	Inf	40.2M	37.631M	40.1M	37.581M	40.1M	37.531M	40.2M	37.681M
5550MHz	Pass	Inf	40.2M	37.581M	40M	37.631M	40.1M	37.481M	40.2M	37.581M
5670MHz	Pass	Inf	40.3M	37.531M	40.05M	37.581M	40.1M	37.581M	40.25M	37.631M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.245M	33.653M	35.175M	33.723M	35.14M	33.723M	35.105M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	3.998M	3.86M	3.998M	3.76M	4.038M	3.9M	4.018M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.3M	76.762M	81.3M	77.061M	81.8M	76.962M	81.8M	77.161M
5530MHz	Pass	Inf	81.4M	77.061M	81.3M	76.962M	81.8M	77.061M	81.8M	77.061M
5610MHz	Pass	Inf	81.3M	77.061M	81.3M	76.962M	81.8M	76.962M	81.9M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.45M	73.238M	75.9M	72.939M	75.975M	73.163M	75.675M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.54M	4.078M	3.78M	4.038M	3.94M	4.058M	3.74M	4.038M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.481M	81.44M	77.321M	80.48M	77.241M	80.88M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.16M	77.001M	81.2M	77.081M	81.2M	77.161M	81.28M	76.922M
5570MHz	Pass	Inf	165.2M	155.122M	163.6M	155.122M	164M	154.923M	164.6M	154.923M

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

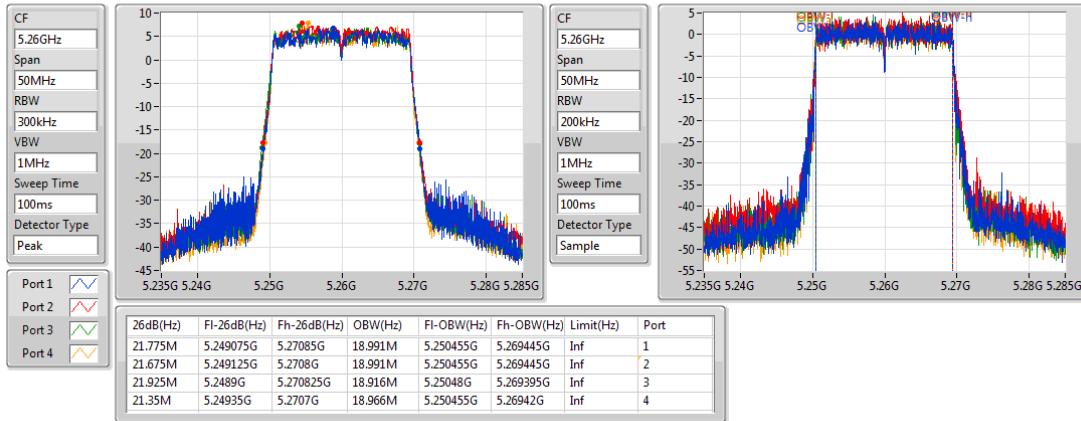
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5260MHz

04/03/2019

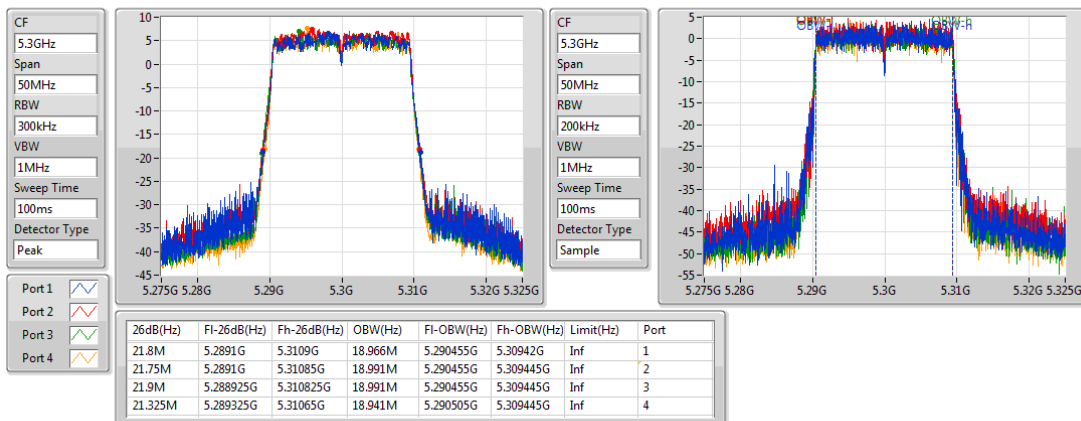


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5300MHz

04/03/2019

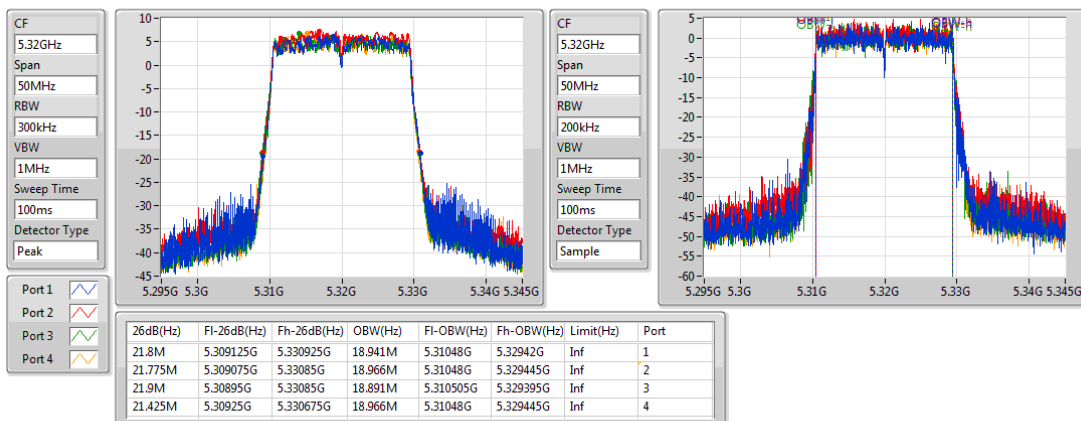


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5320MHz

04/03/2019

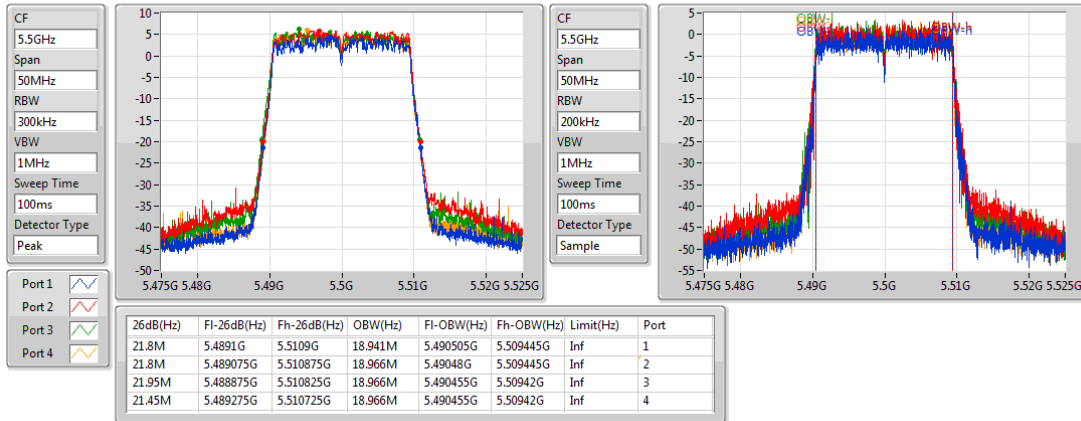


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5500MHz

04/03/2019

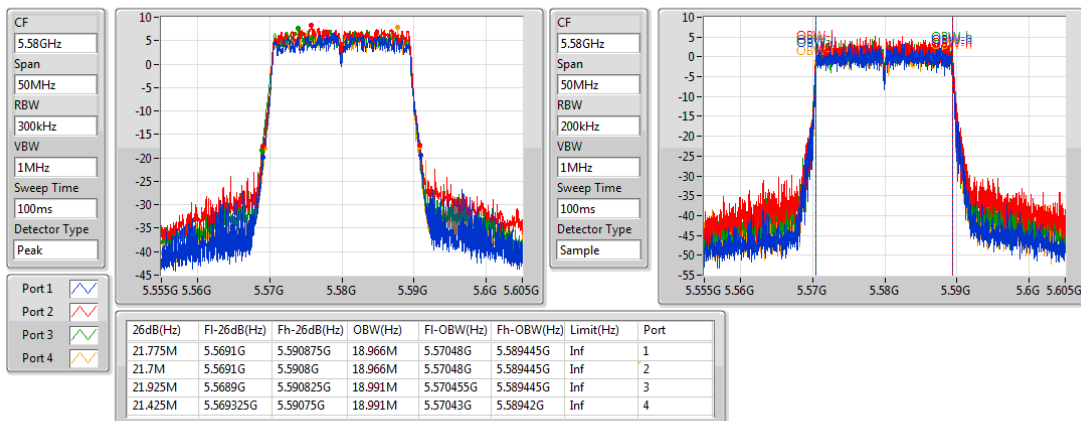


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5580MHz

04/03/2019

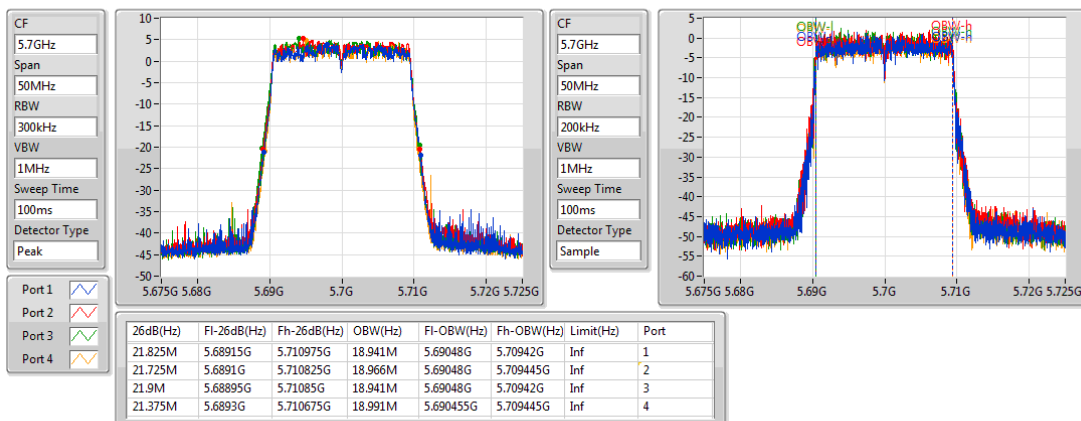


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5700MHz

04/03/2019

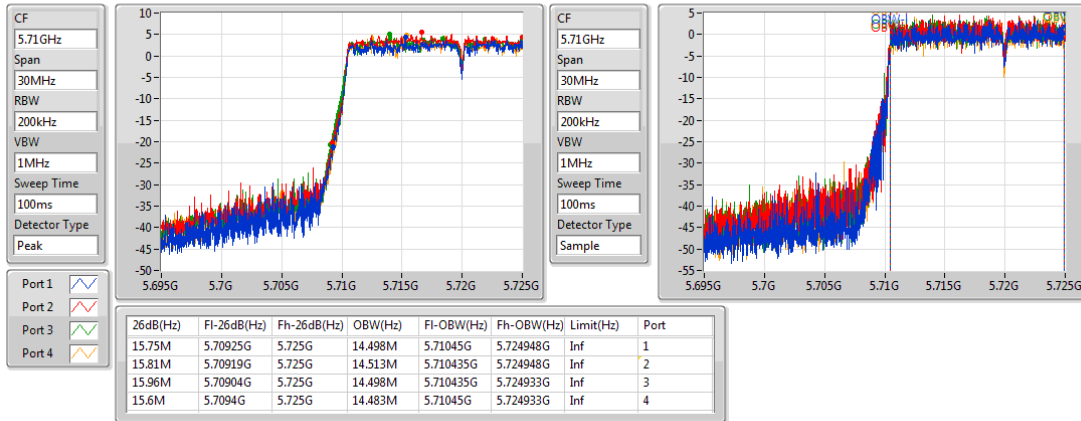


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

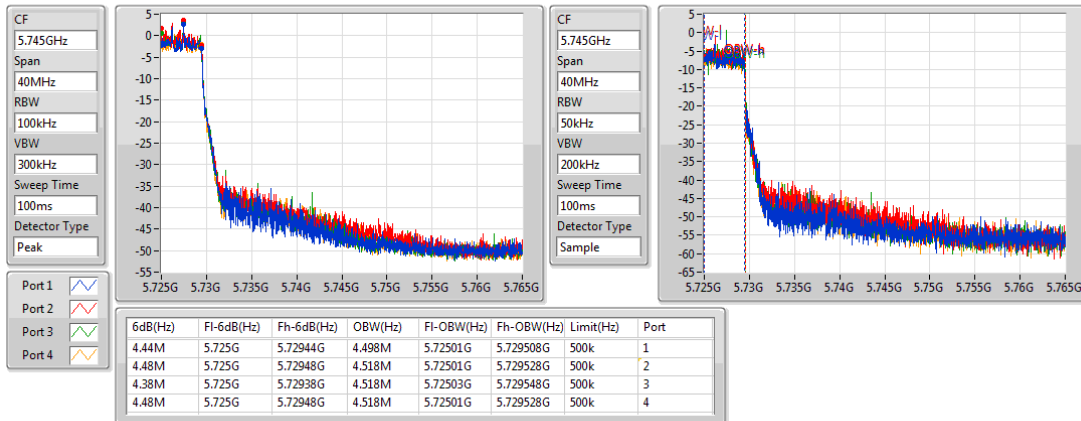


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

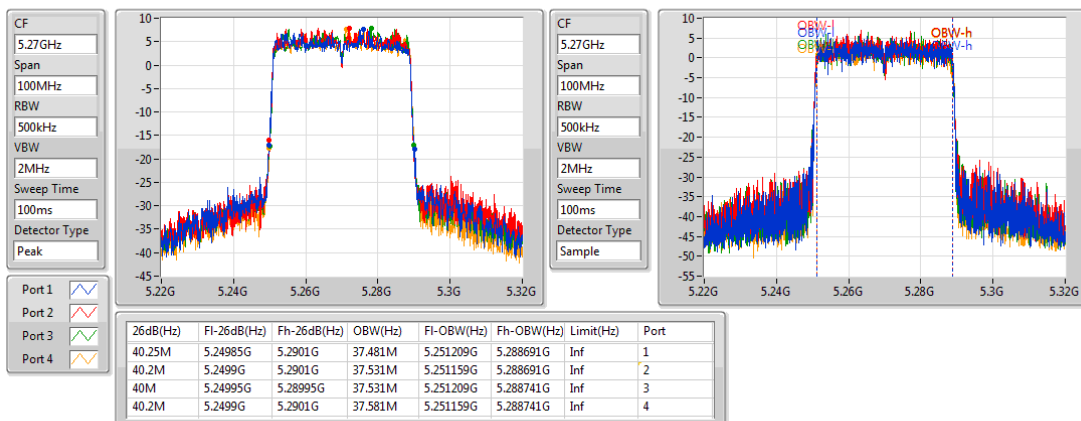


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5270MHz

04/03/2019

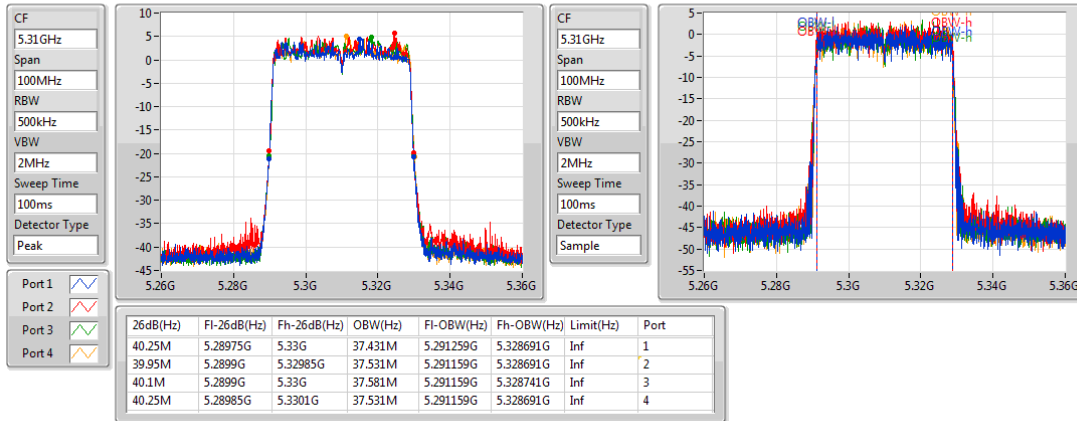


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5310MHz

04/03/2019

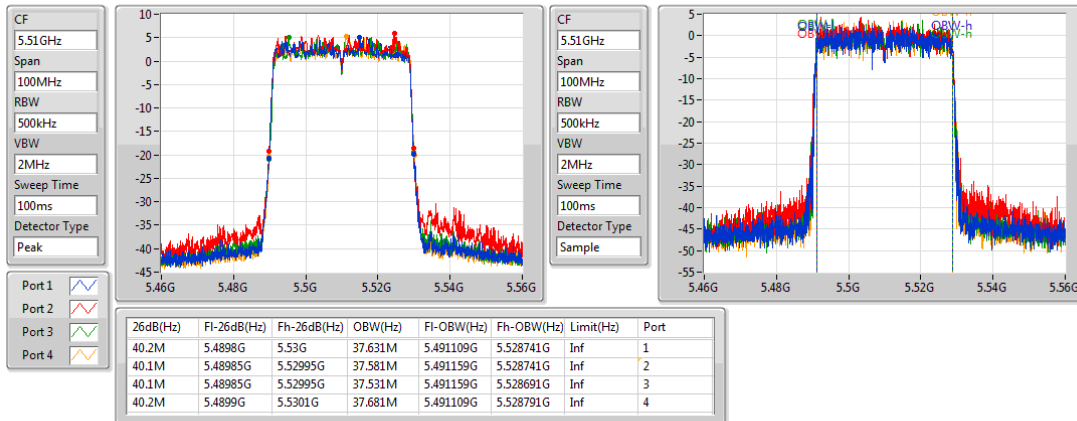


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

05/03/2019

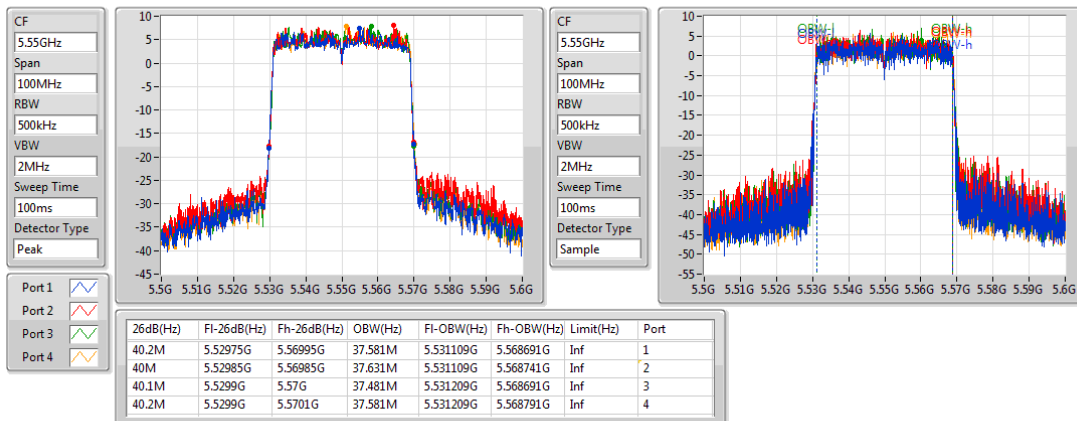


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5550MHz

05/03/2019

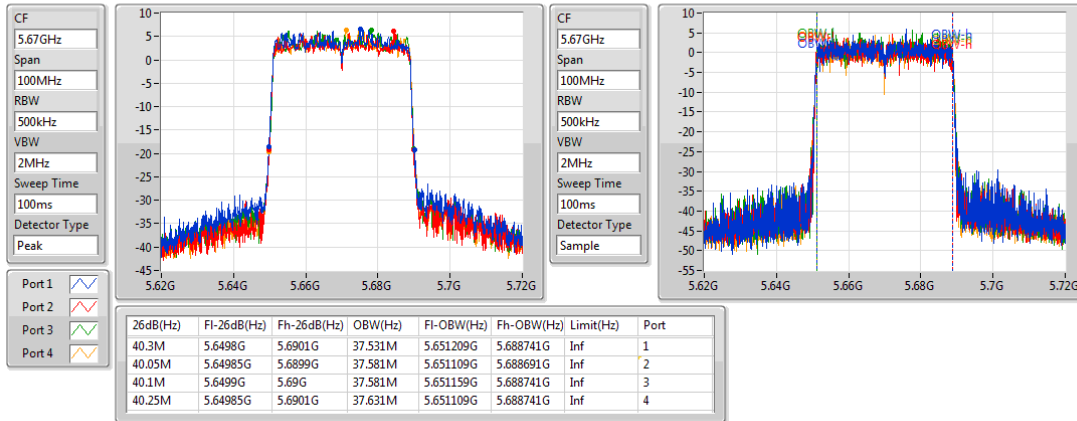


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5670MHz

05/03/2019

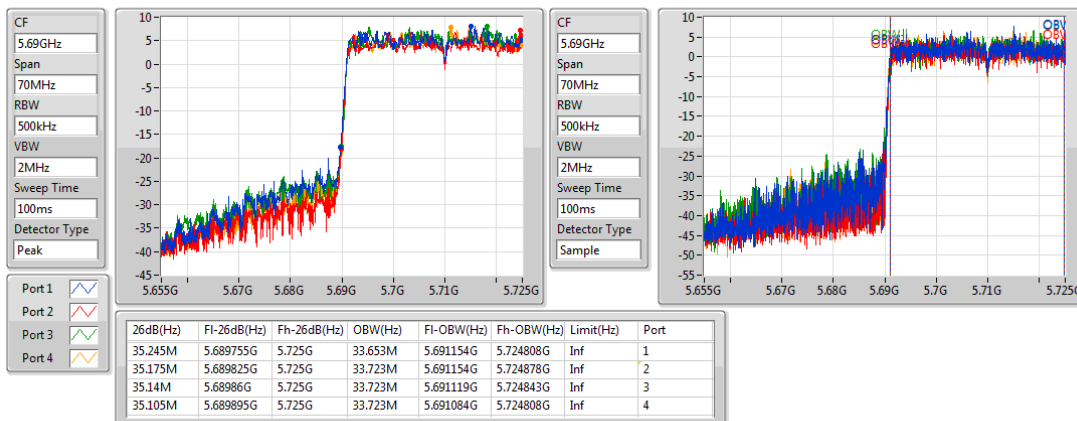


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/03/2019

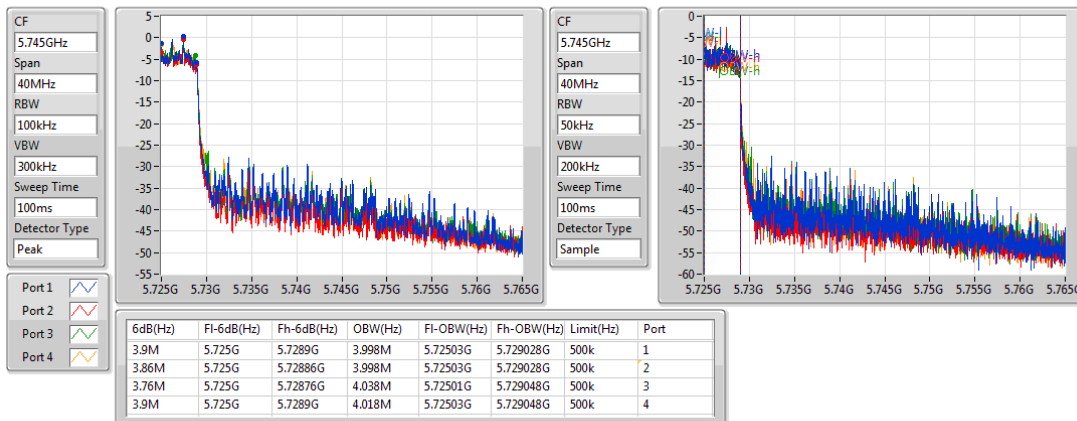


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/03/2019

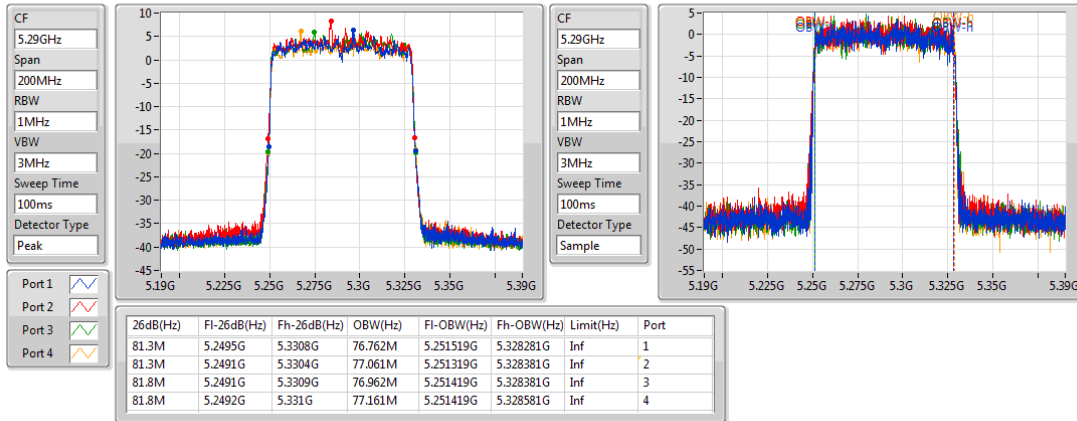


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5290MHz

05/03/2019

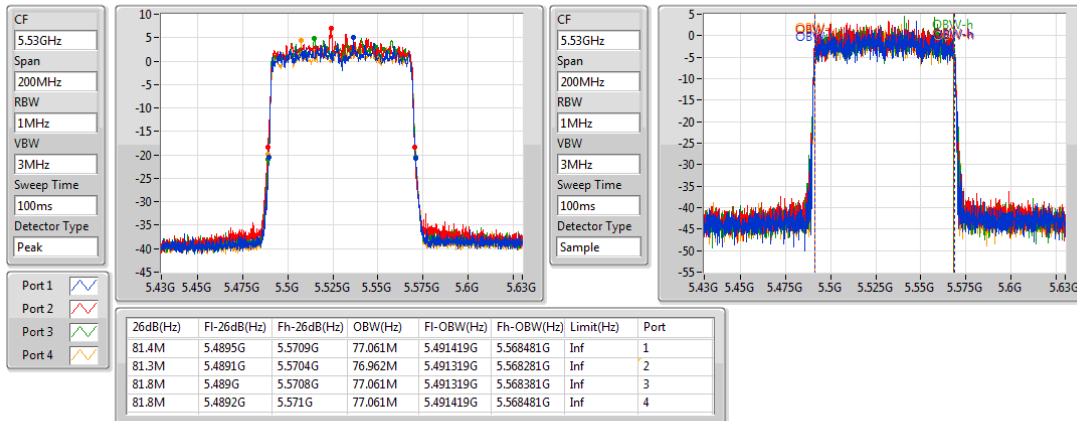


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5530MHz

05/03/2019

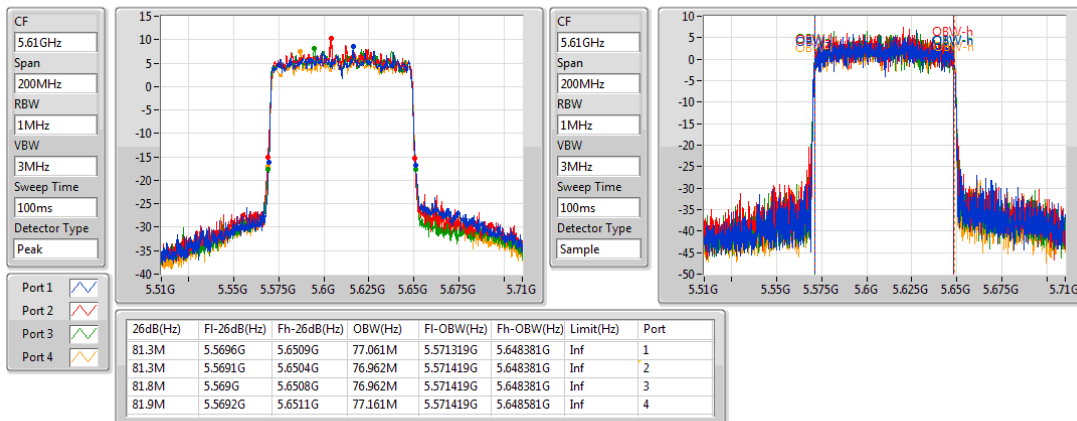


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

05/03/2019

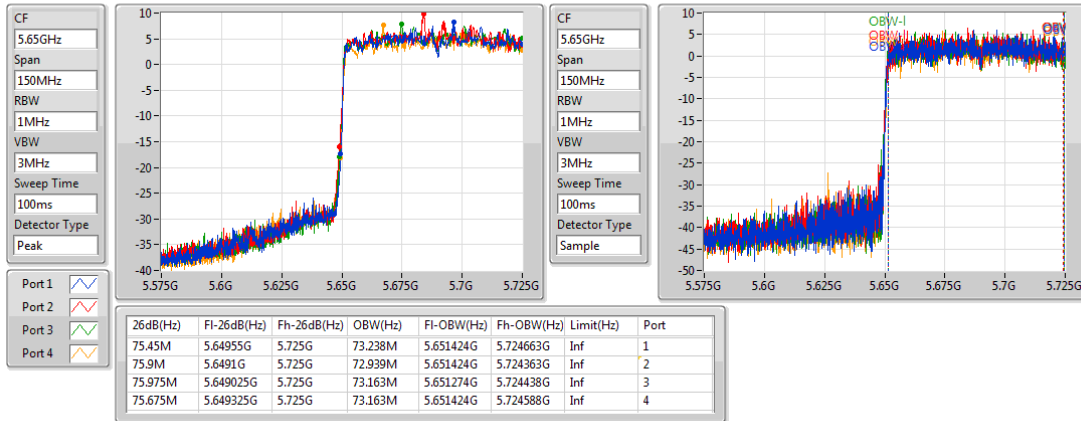


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

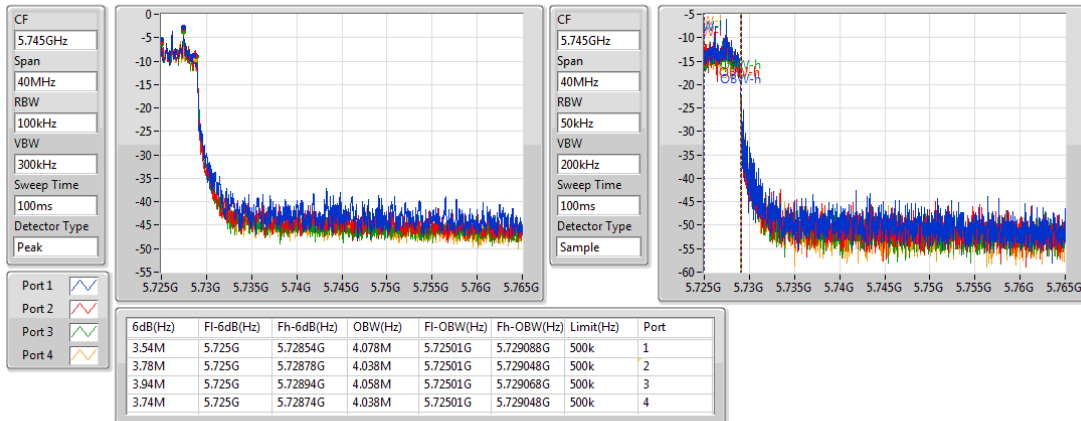


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

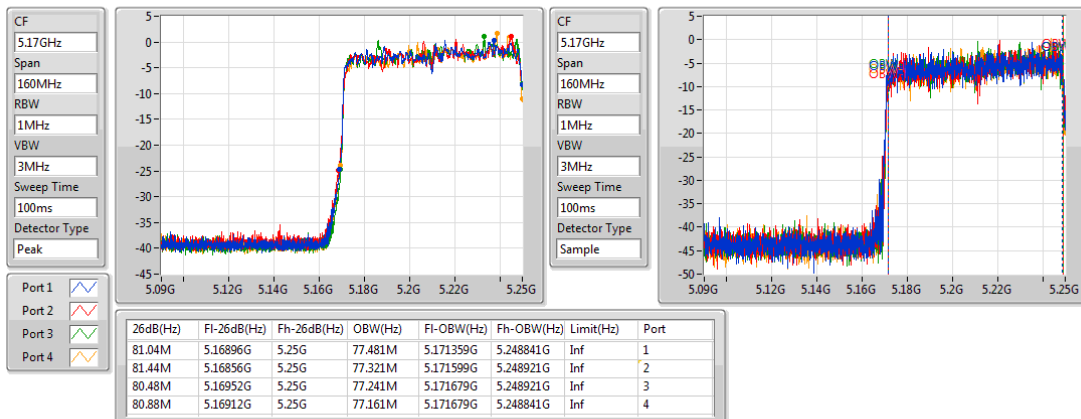


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/03/2019

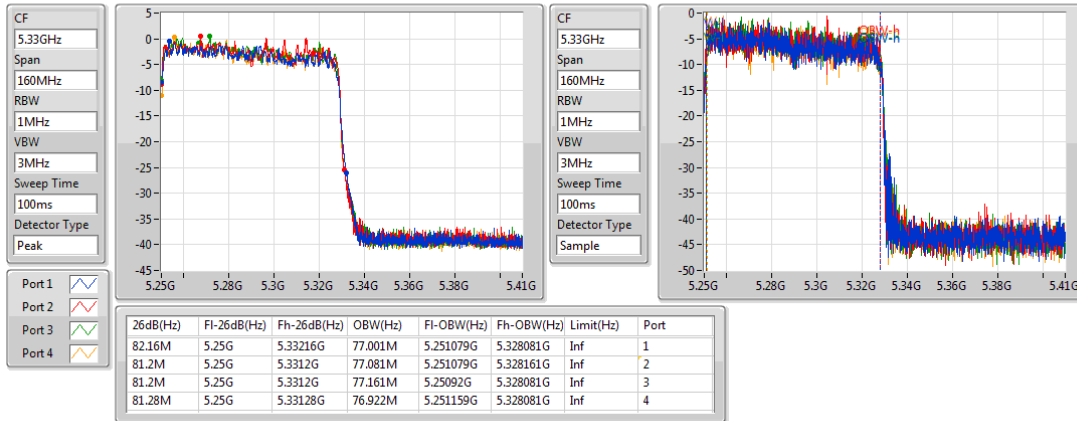


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/03/2019

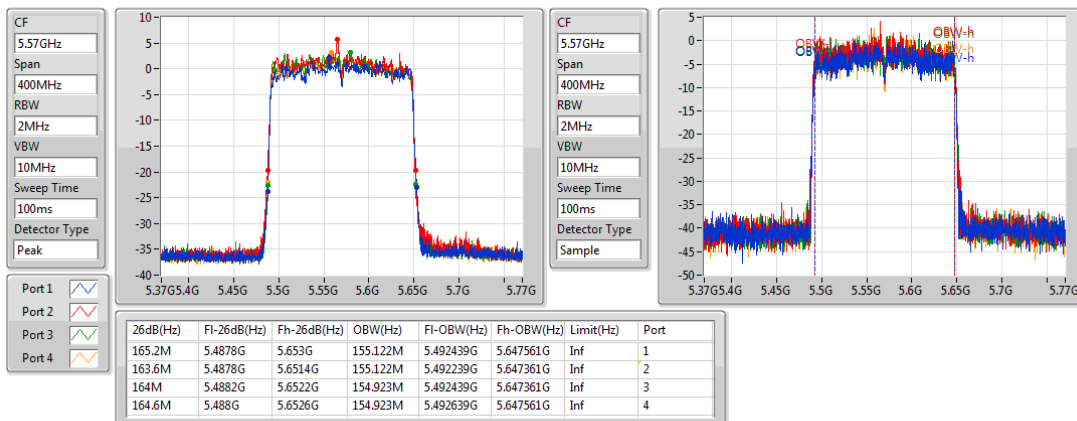


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

05/03/2019





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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	80.88M	76.922M	76M9D1D	80.88M	76.922M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.001M	77M0D1D	81.12M	77.001M

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

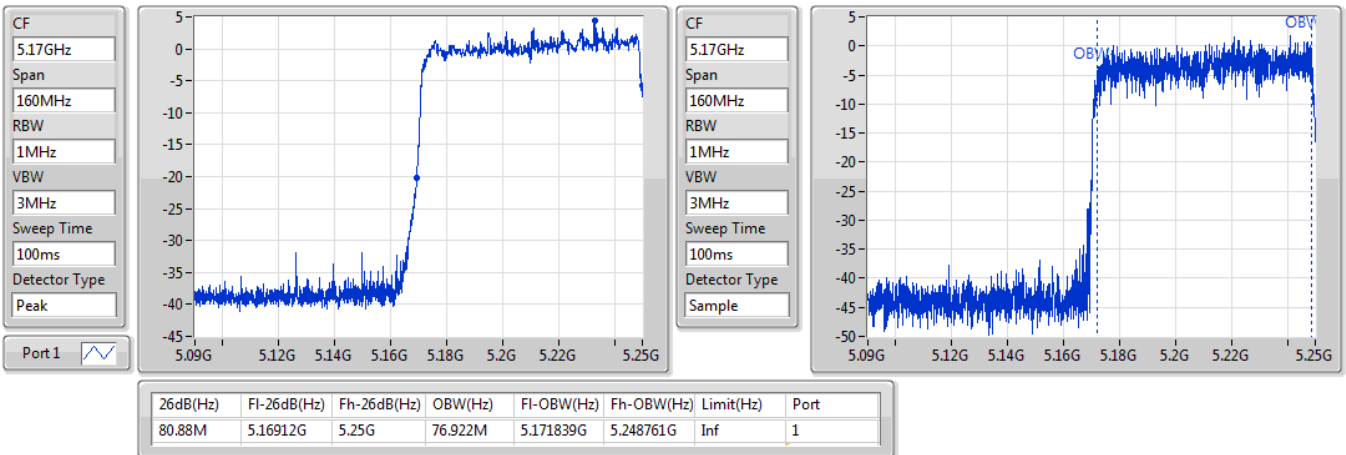
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.88M	76.922M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.001M

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

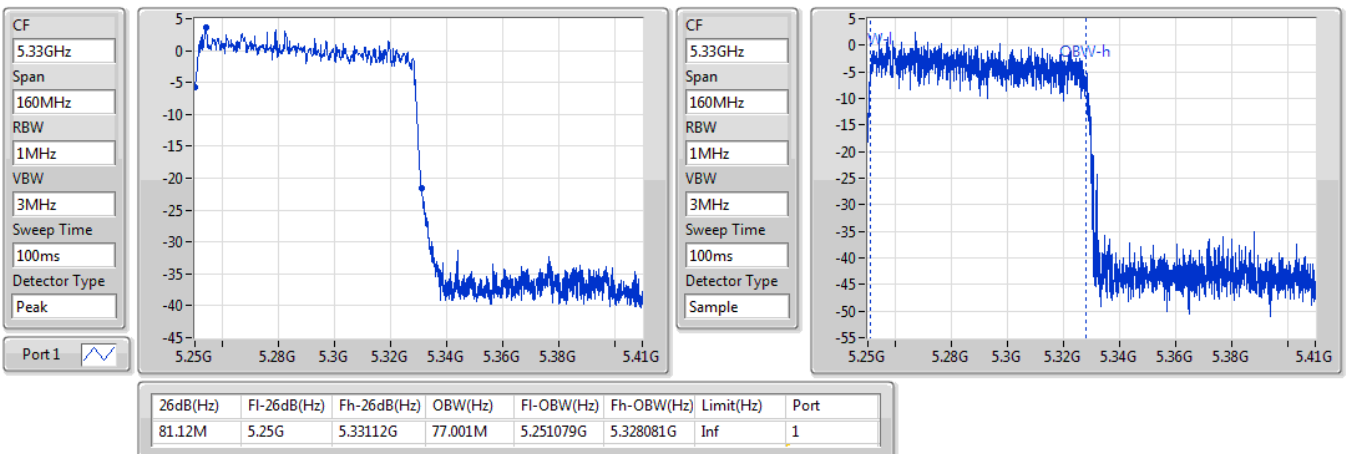
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.15-5.25GHz

08/03/2019


802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.25-5.35GHz

08/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.76M	77.161M	77M2D1D	81.6M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	82.48M	77.161M	77M2D1D	80.88M	77.081M

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

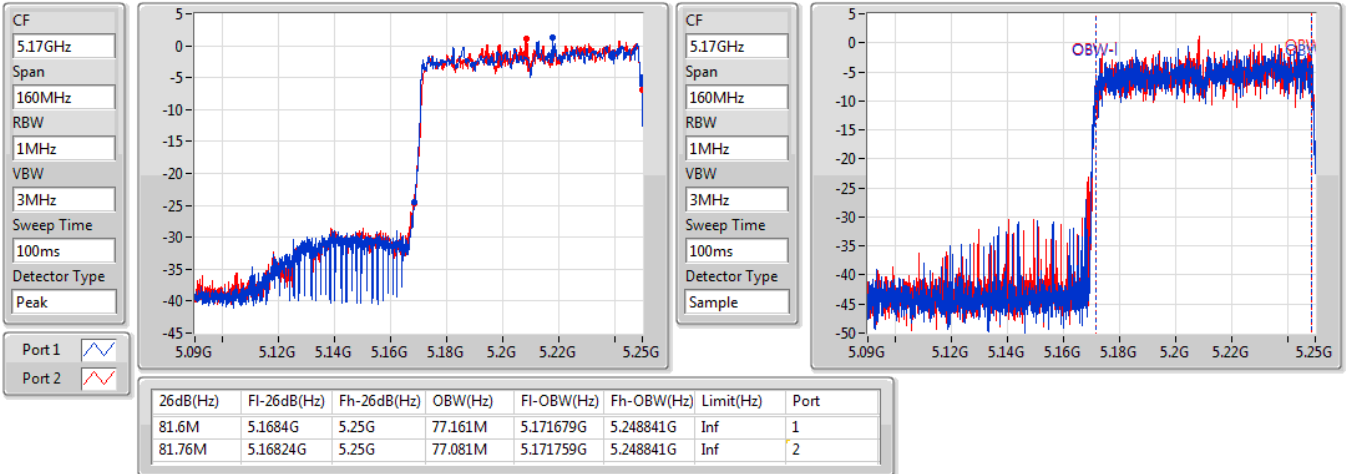
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.6M	77.161M	81.76M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.48M	77.161M	80.88M	77.081M

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

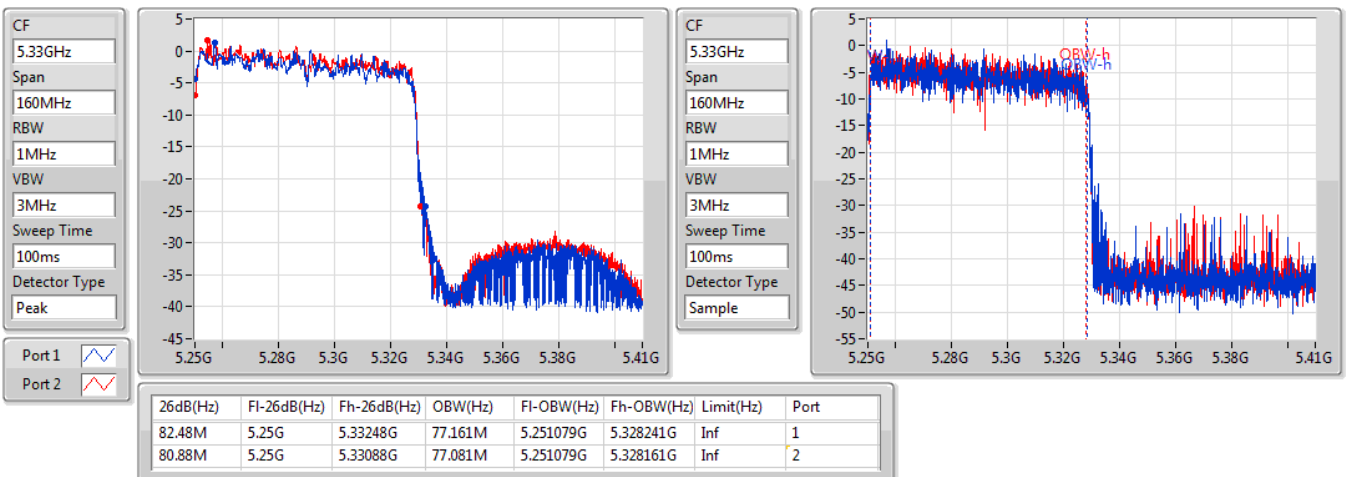
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.15-5.25GHz

08/03/2019


802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.25-5.35GHz

08/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.12M	77.401M	77M4D1D	80.8M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.28M	77.081M	77M1D1D	80.64M	76.922M

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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.081M	80.96M	77.081M	80.88M	77.401M	80.8M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.001M	81.28M	77.081M	81.12M	77.001M	80.64M	76.922M

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

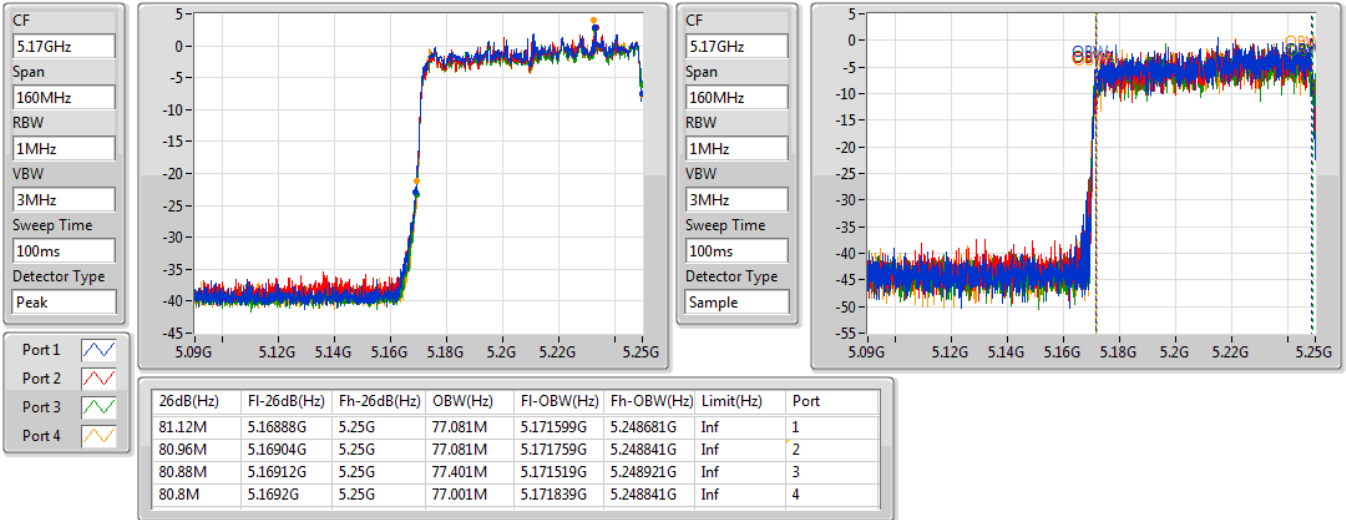
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

08/03/2019

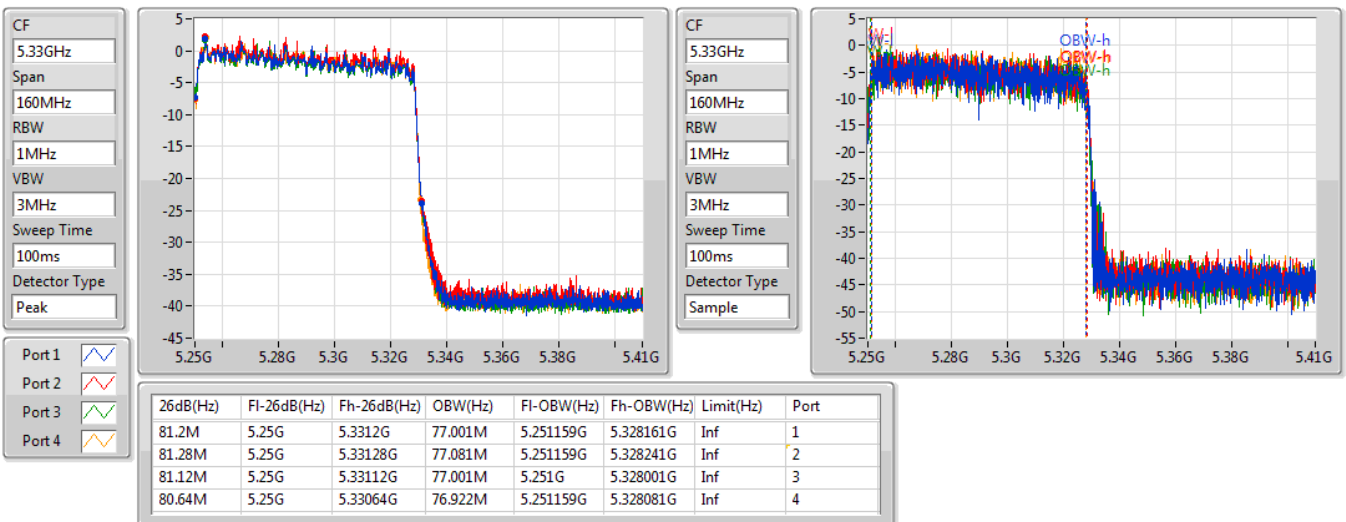


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

08/03/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.12M	77.241M	77M2D1D	80.72M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.36M	77.321M	77M3D1D	80.64M	77.081M

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

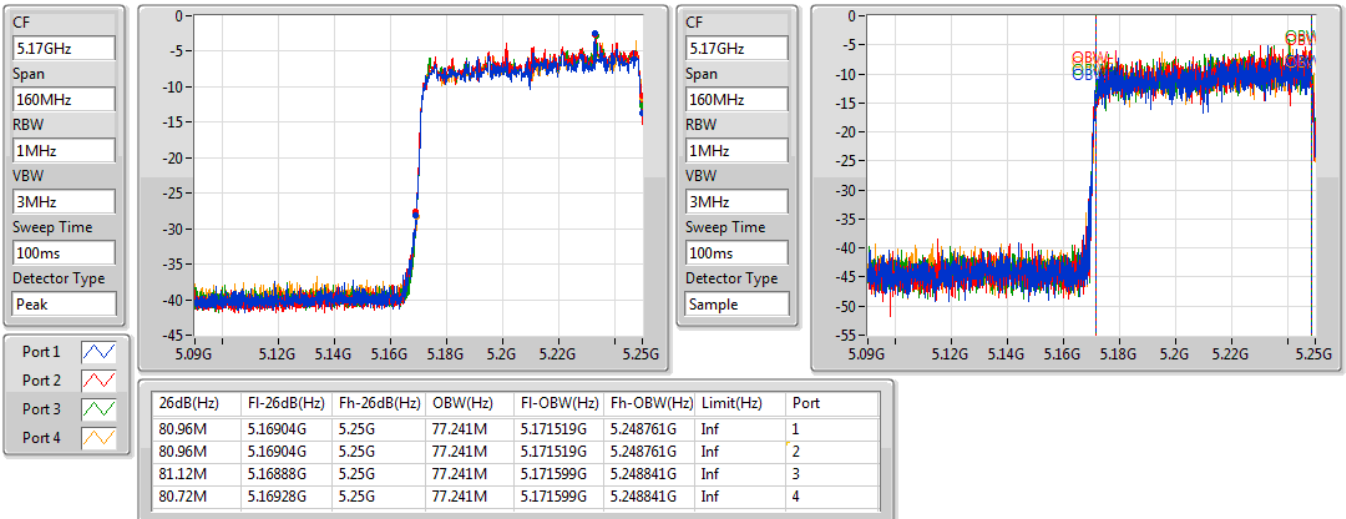
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.241M	80.96M	77.241M	81.12M	77.241M	80.72M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.36M	77.161M	81.2M	77.321M	80.64M	77.161M	81.28M	77.081M

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

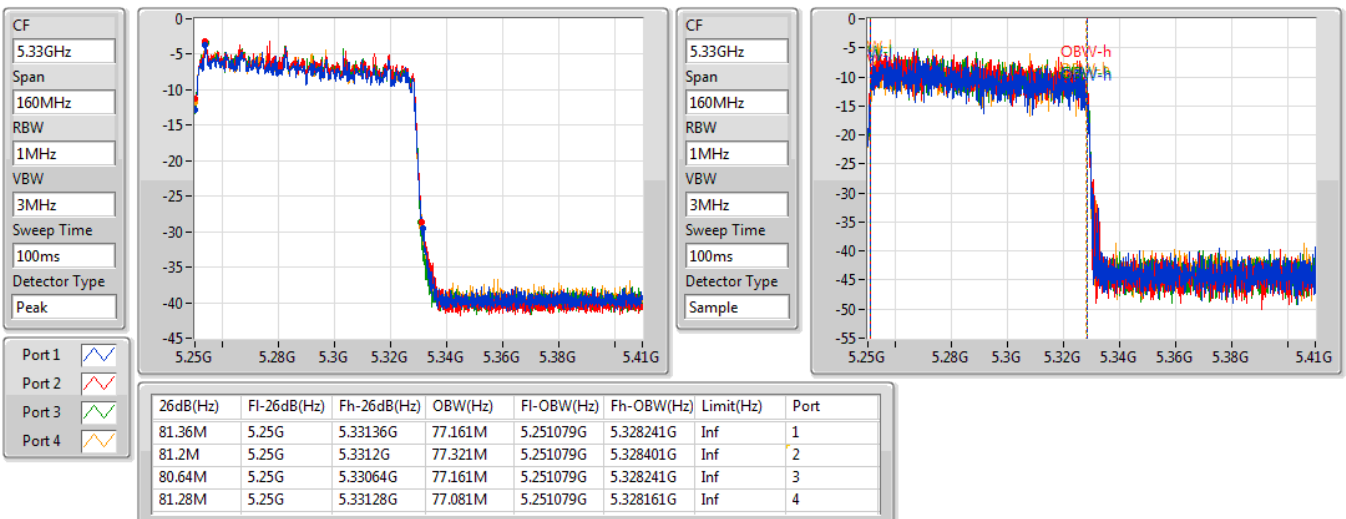
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

14/05/2019


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

14/05/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	81.44M	77.401M	77M4D1D	80.48M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.24M	77.161M	77M2D1D	80.96M	77.001M

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**

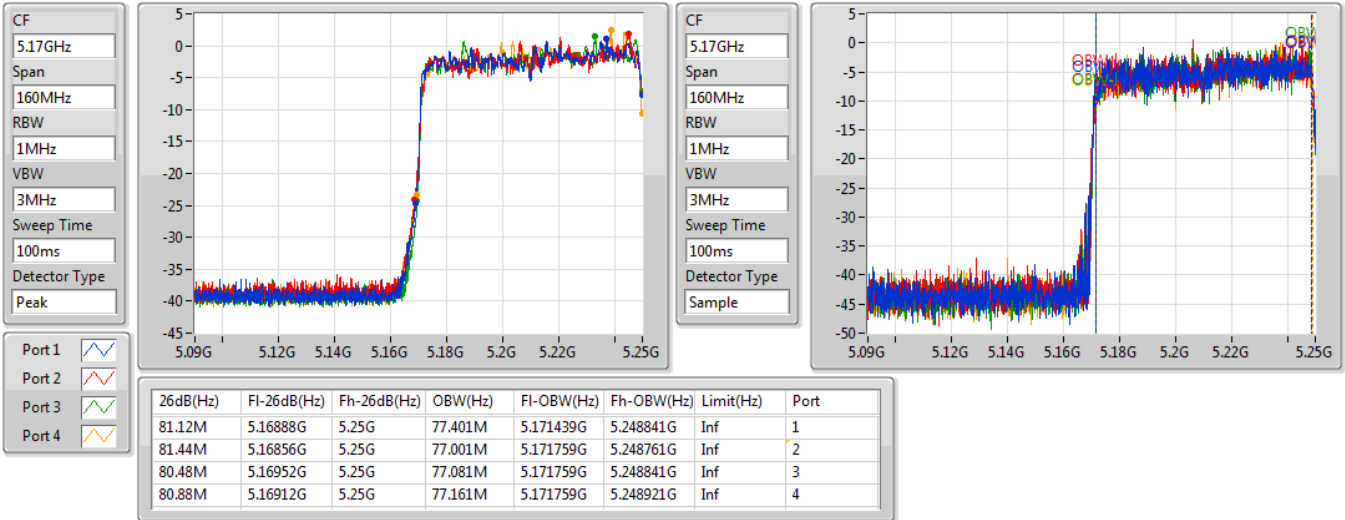
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.401M	81.44M	77.001M	80.48M	77.081M	80.88M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.24M	77.081M	81.36M	77.001M	82.24M	77.161M	80.96M	77.001M

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

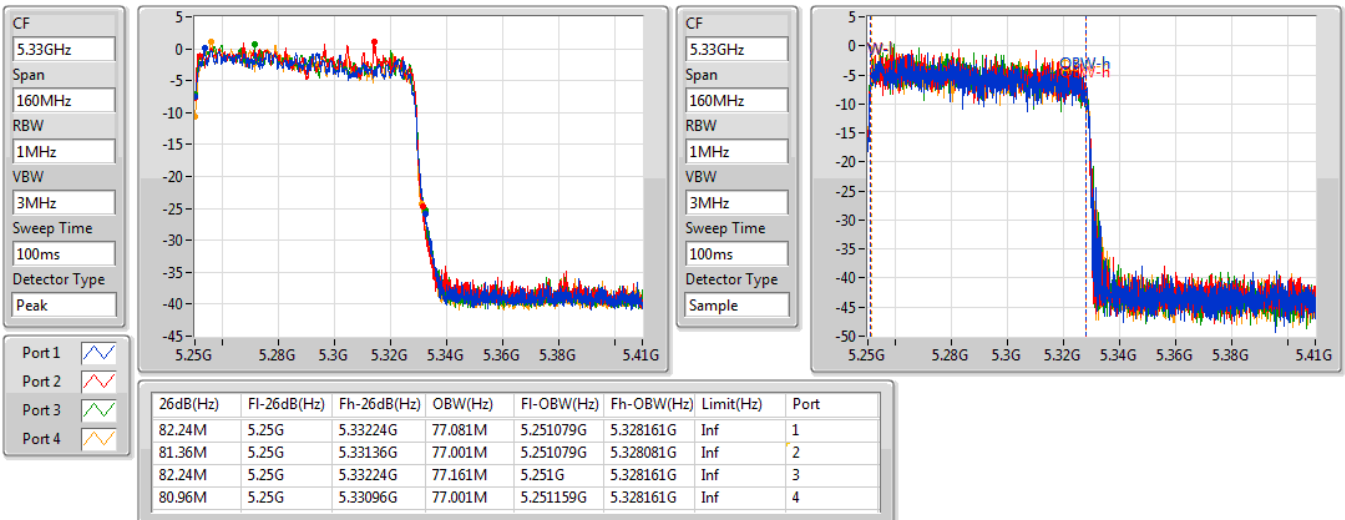
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

08/03/2019


802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

08/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	80.96M	77.241M	77M2D1D	80.96M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.081M	77M1D1D	81.12M	77.081M

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

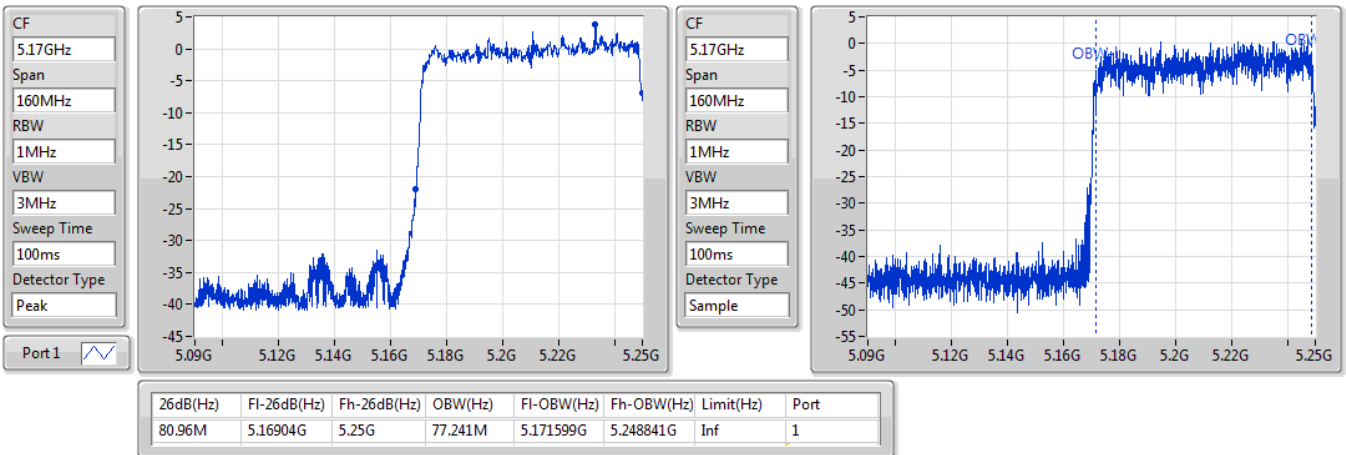
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.081M

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

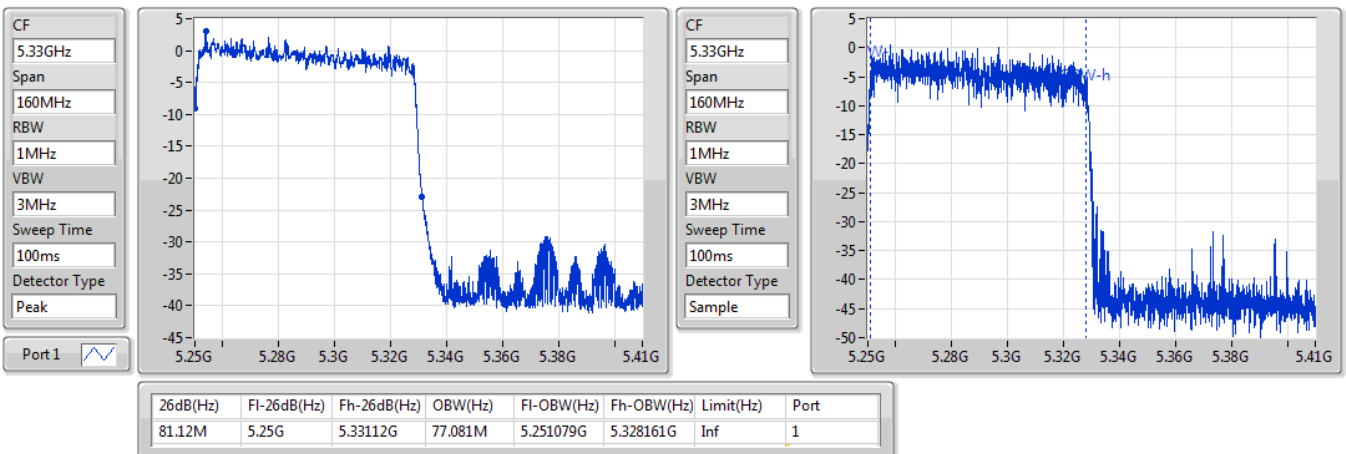
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.15-5.25GHz

05/03/2019


802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.25-5.35GHz

05/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	82M	77.081M	77M1D1D	81.44M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.76M	77.081M	77M1D1D	81.44M	77.081M

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

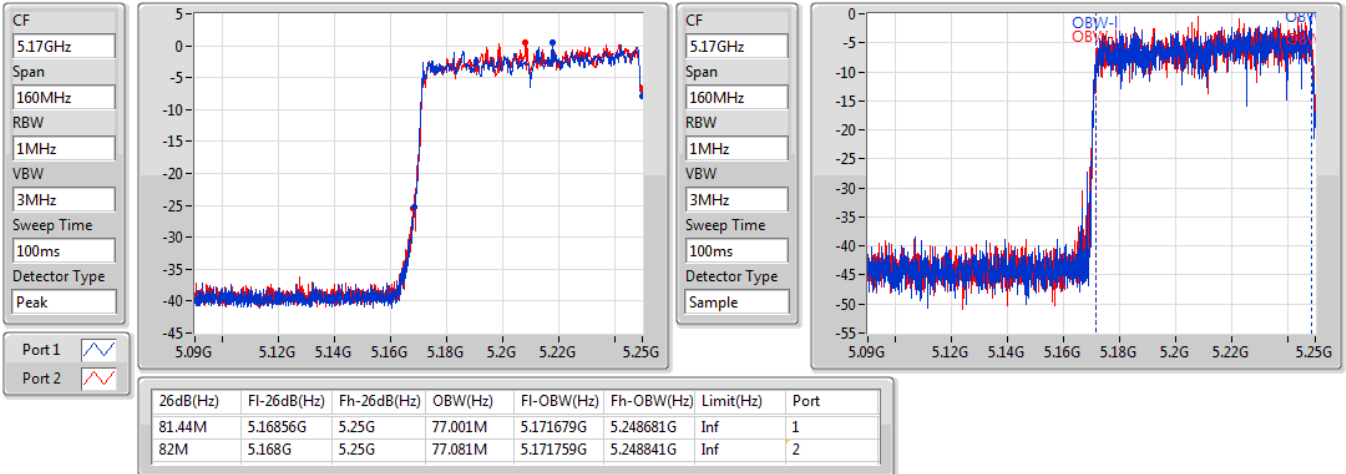
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.44M	77.001M	82M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.76M	77.081M	81.44M	77.081M

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

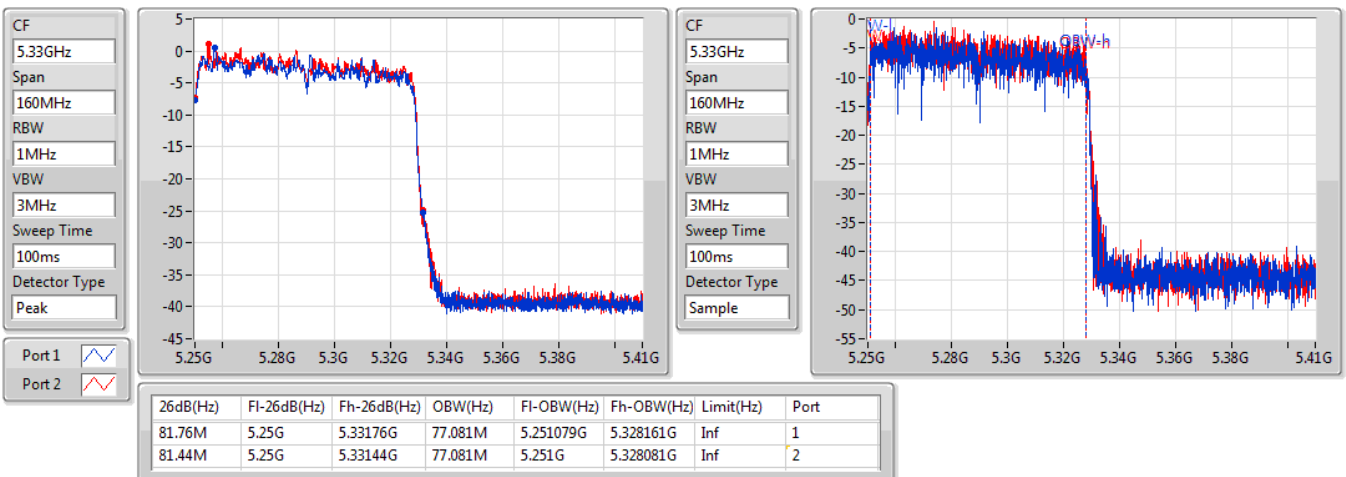
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.15-5.25GHz

07/03/2019


802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.25-5.35GHz

07/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.12M	77.401M	77M4D1D	80.64M	76.922M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.28M	77.161M	77M2D1D	80.72M	77.001M

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

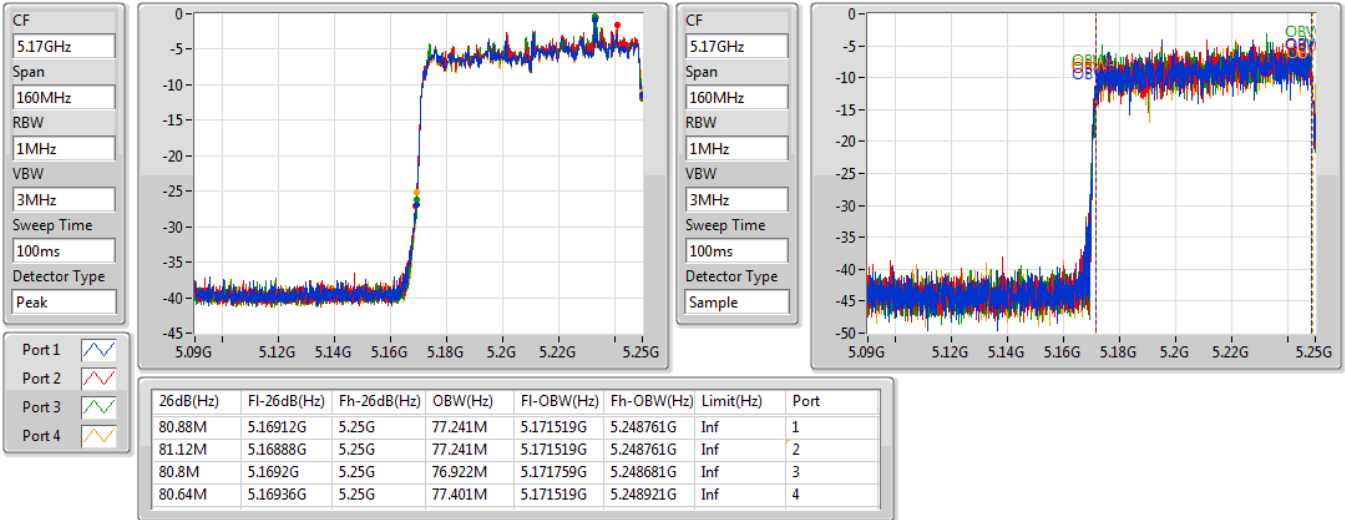
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.88M	77.241M	81.12M	77.241M	80.8M	76.922M	80.64M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.161M	81.28M	77.161M	80.72M	77.001M	81.2M	77.081M

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

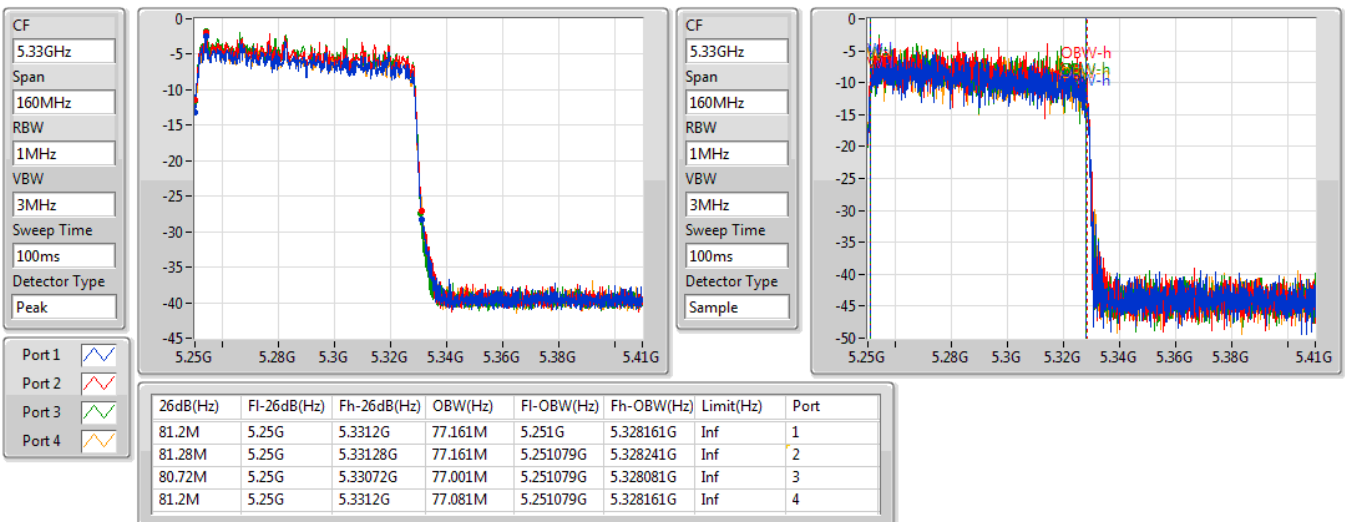
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

07/03/2019


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

07/03/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	80.96M	77.241M	77M2D1D	80.72M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.36M	77.161M	77M2D1D	80.88M	76.922M

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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.8M	77.001M	80.88M	77.081M	80.72M	77.241M	80.96M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.161M	81.04M	76.922M	80.88M	77.161M	81.36M	77.161M

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

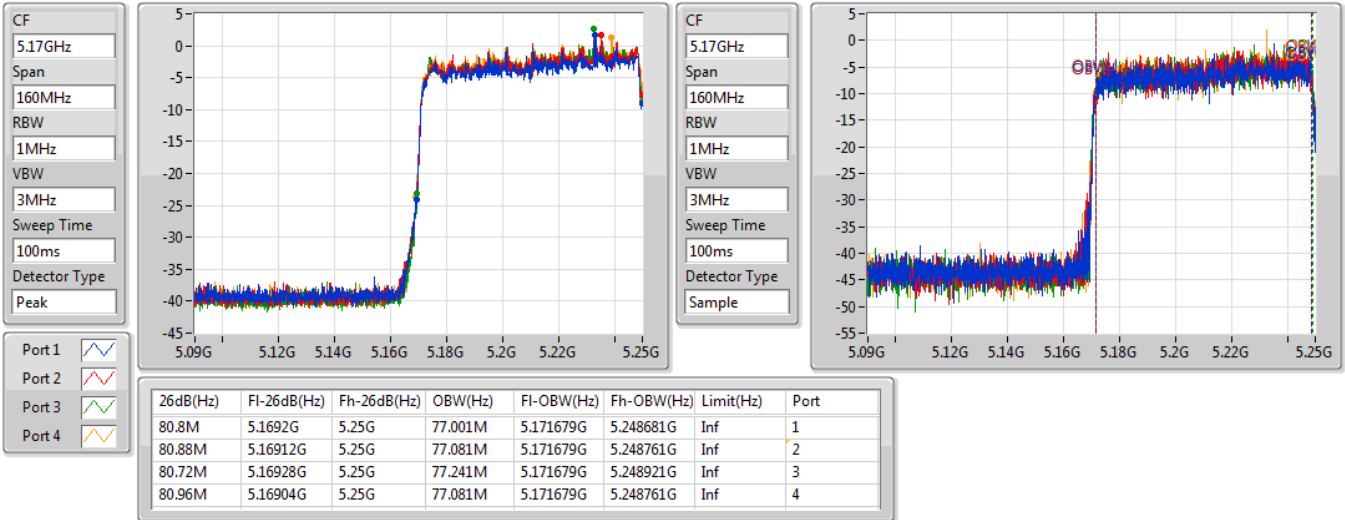
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

06/03/2019

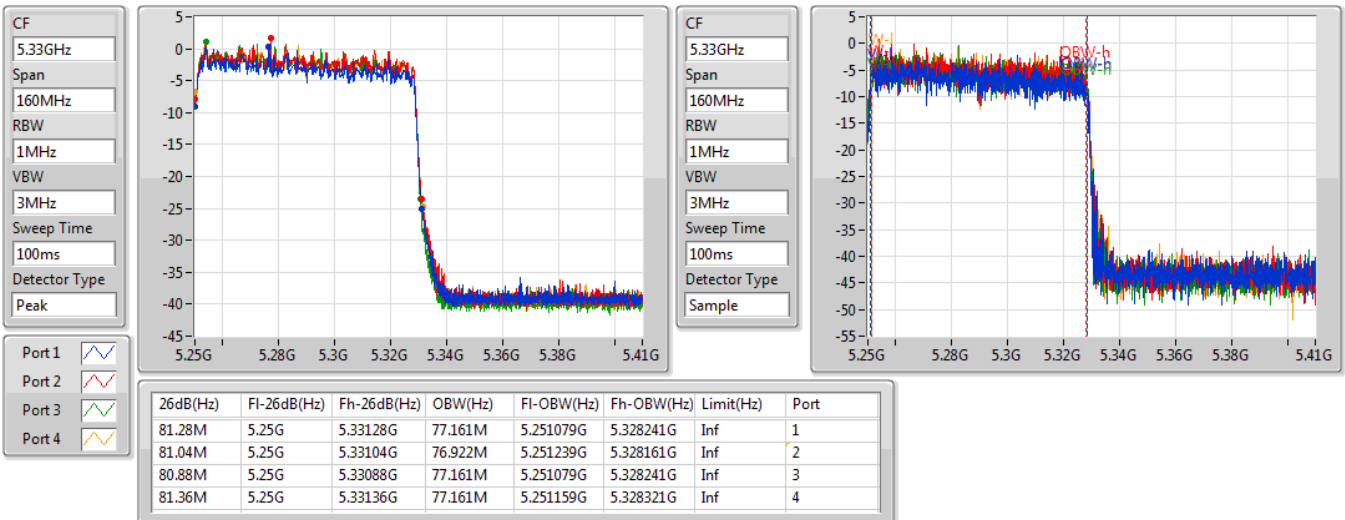


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

06/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	81.52M	77.241M	77M2D1D	80.56M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.32M	77.321M	77M3D1D	81.12M	77.161M

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**

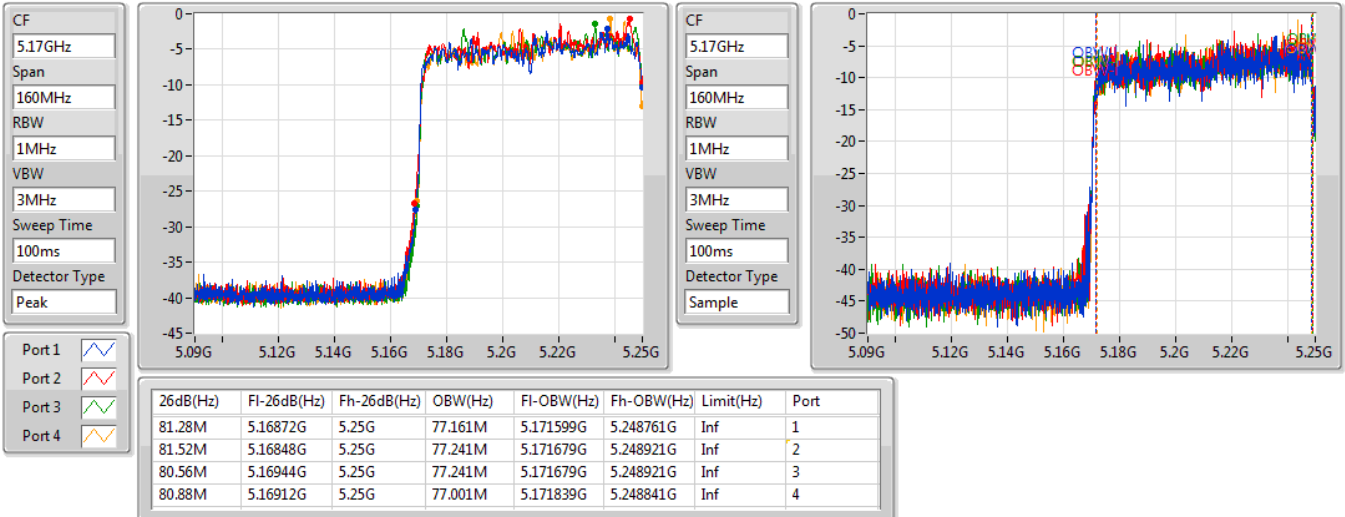
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.28M	77.161M	81.52M	77.241M	80.56M	77.241M	80.88M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.32M	77.161M	81.28M	77.321M	82.16M	77.161M	81.12M	77.161M

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

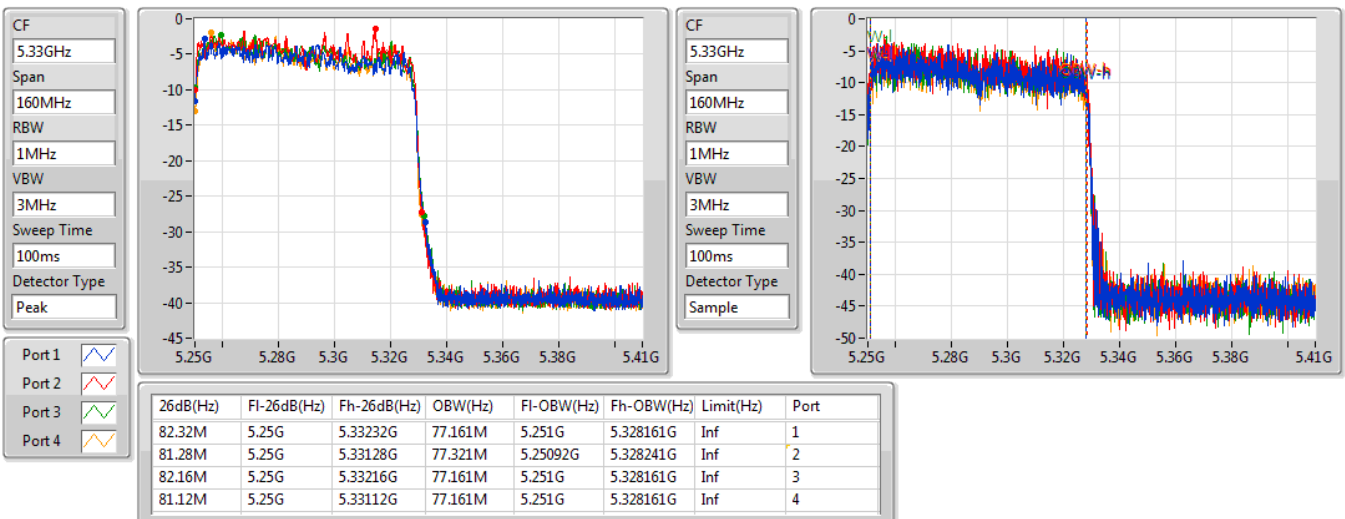
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

07/03/2019


802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

07/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	80.96M	77.241M	77M2D1D	80.96M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.081M	77M1D1D	81.12M	77.081M

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

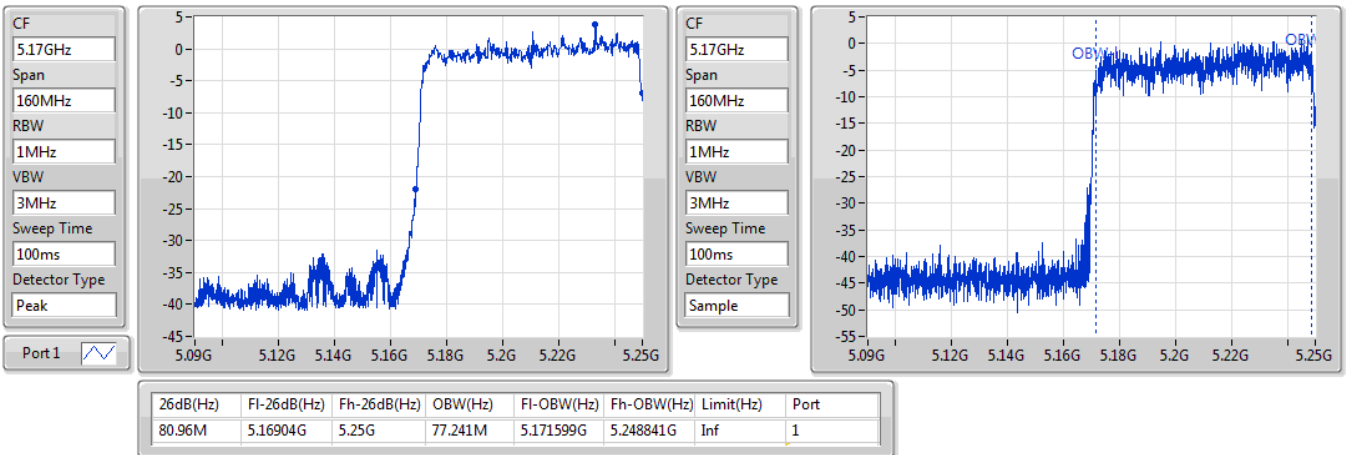
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.081M

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

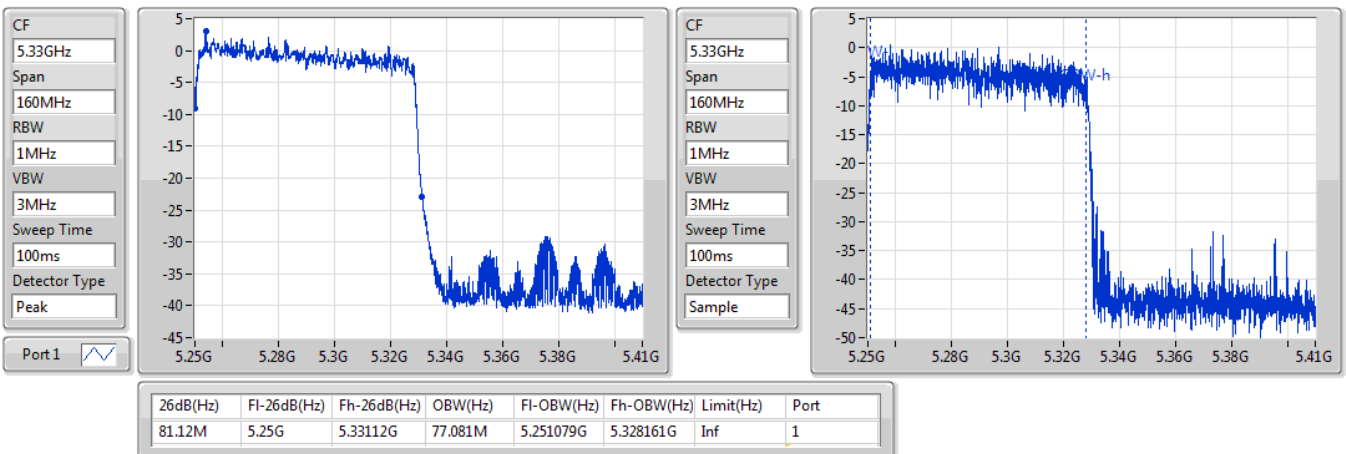
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.15-5.25GHz

05/03/2019


802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.25-5.35GHz

05/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.84M	77.081M	77M1D1D	81.6M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.12M	77.081M	77M1D1D	80.72M	77.001M

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

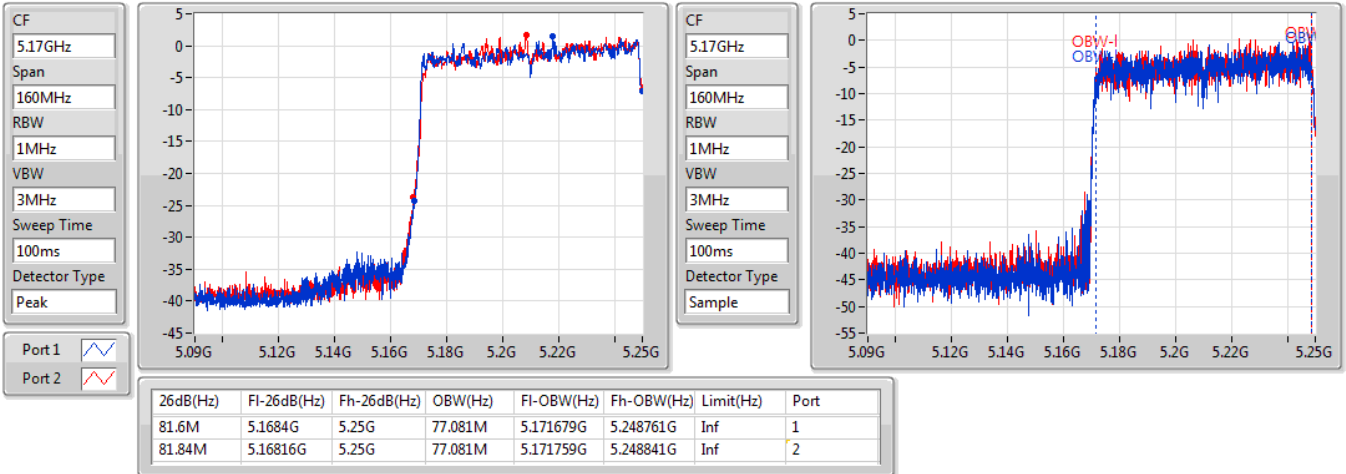
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.6M	77.081M	81.84M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.081M	80.72M	77.001M

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

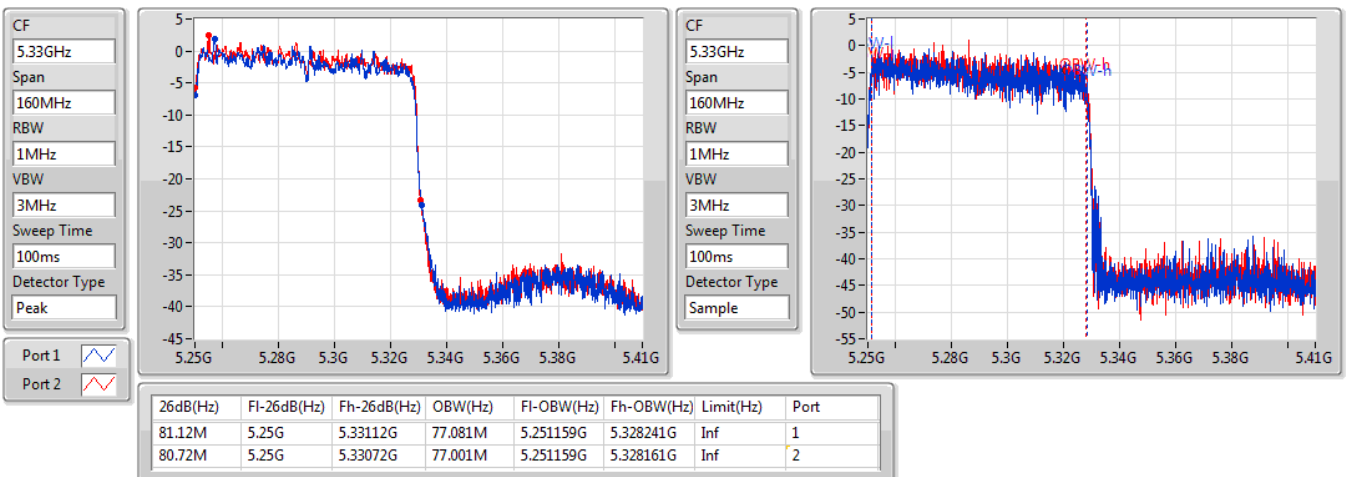
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.15-5.25GHz

05/03/2019


802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.25-5.35GHz

05/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	80.96M	77.481M	77M5D1D	80.8M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.28M	77.161M	77M2D1D	80.64M	77.001M

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**

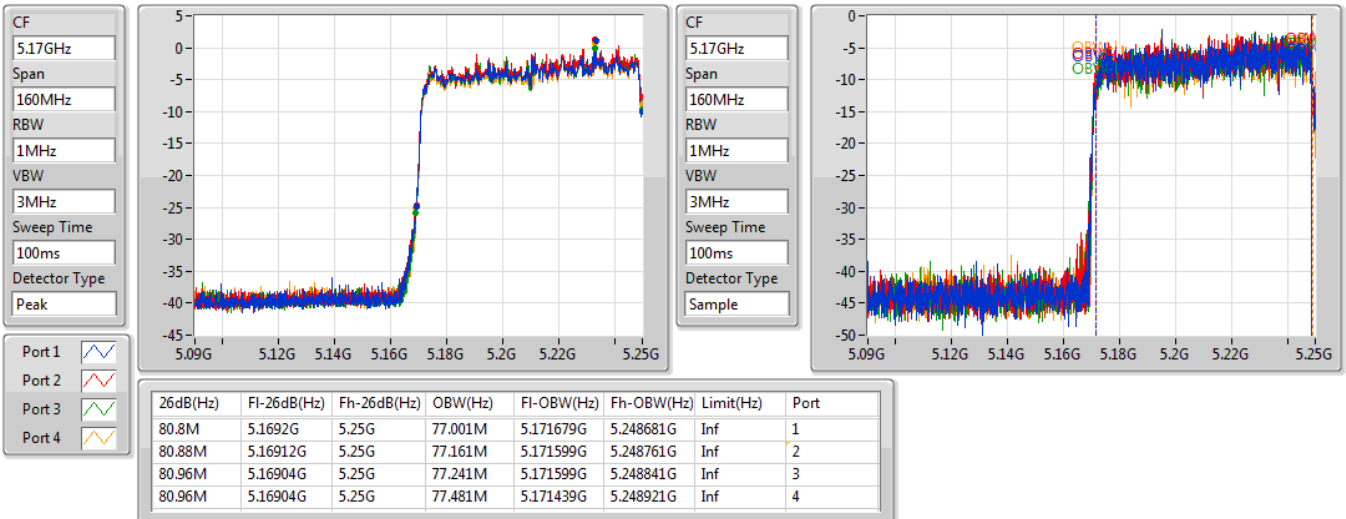
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.8M	77.001M	80.88M	77.161M	80.96M	77.241M	80.96M	77.481M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.001M	81.2M	77.161M	80.64M	77.001M	81.28M	77.161M

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

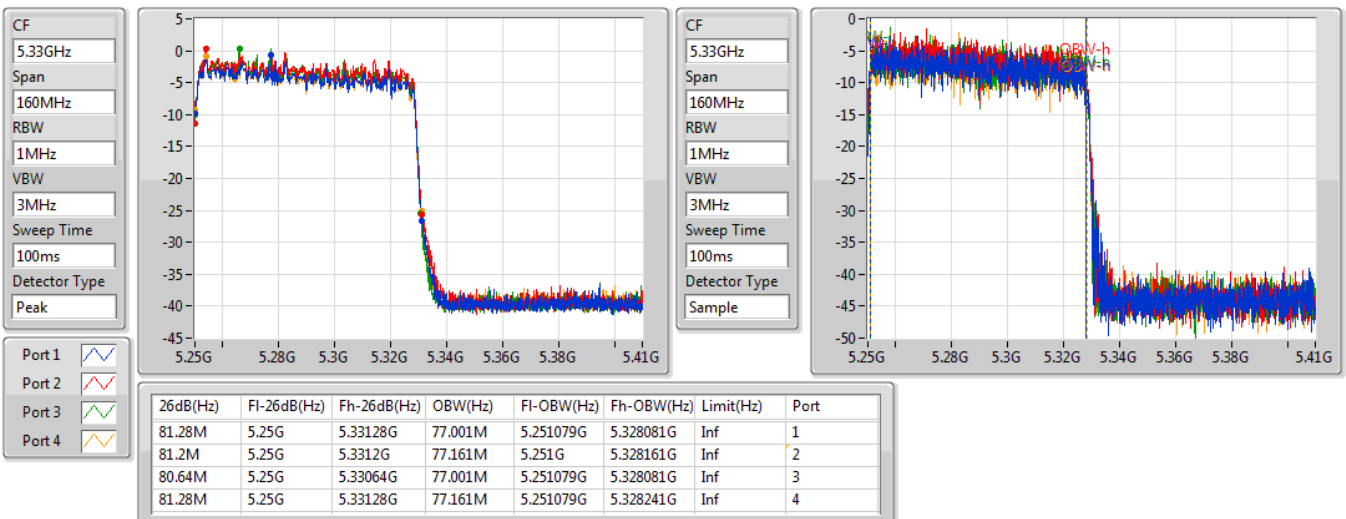
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

14/05/2019


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

14/05/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.36M	77.481M	77M5D1D	80.8M	77.401M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.92M	77.241M	77M2D1D	81.12M	77.161M

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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.481M	81.36M	77.401M	80.8M	77.481M	81.04M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.68M	77.241M	81.52M	77.241M	81.12M	77.161M	81.92M	77.241M

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

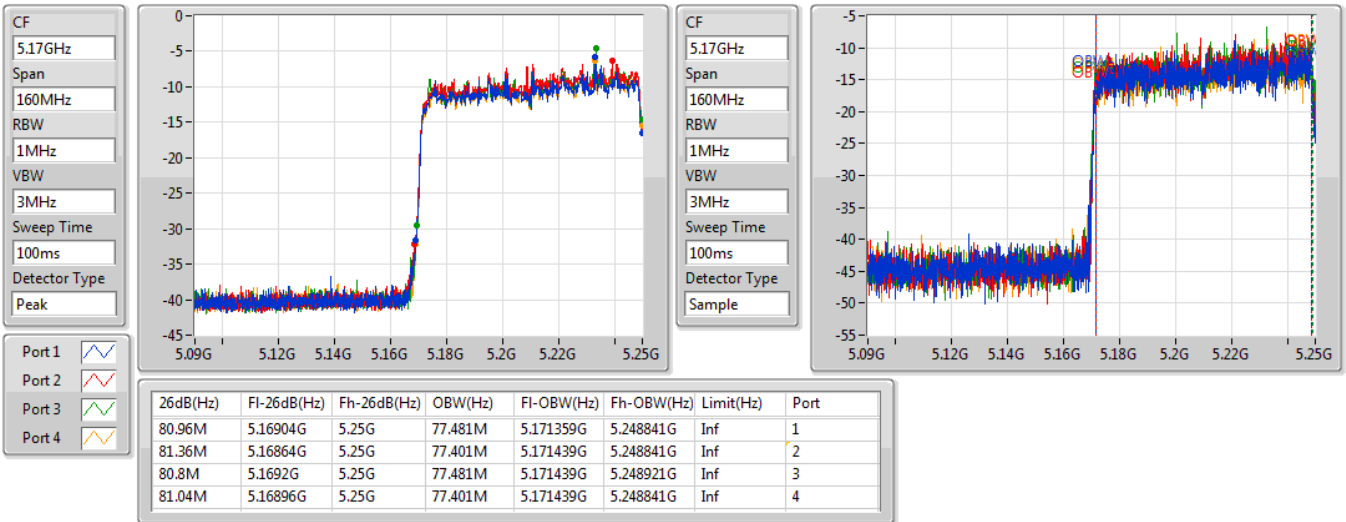
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

14/05/2019

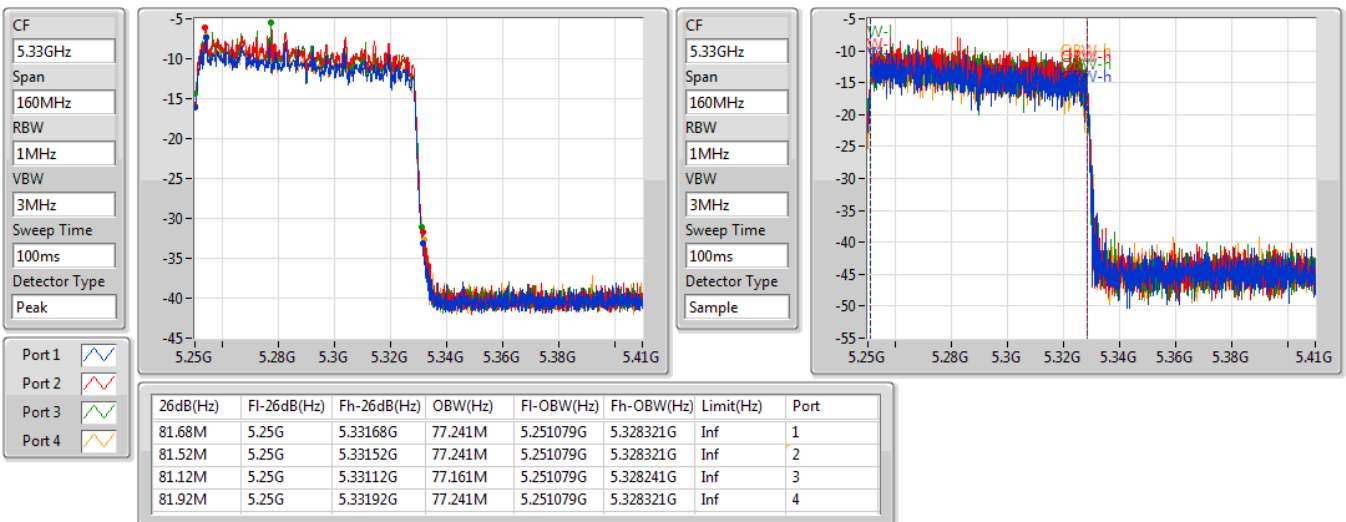


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

14/05/2019





For Non-beamforming / 4T4S mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	81.28M	77.321M	77M3D1D	80.48M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.08M	77.161M	77M2D1D	81.2M	77.081M

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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.321M	81.28M	77.241M	80.48M	77.241M	81.04M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.08M	77.081M	81.6M	77.081M	81.52M	77.081M	81.2M	77.161M

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

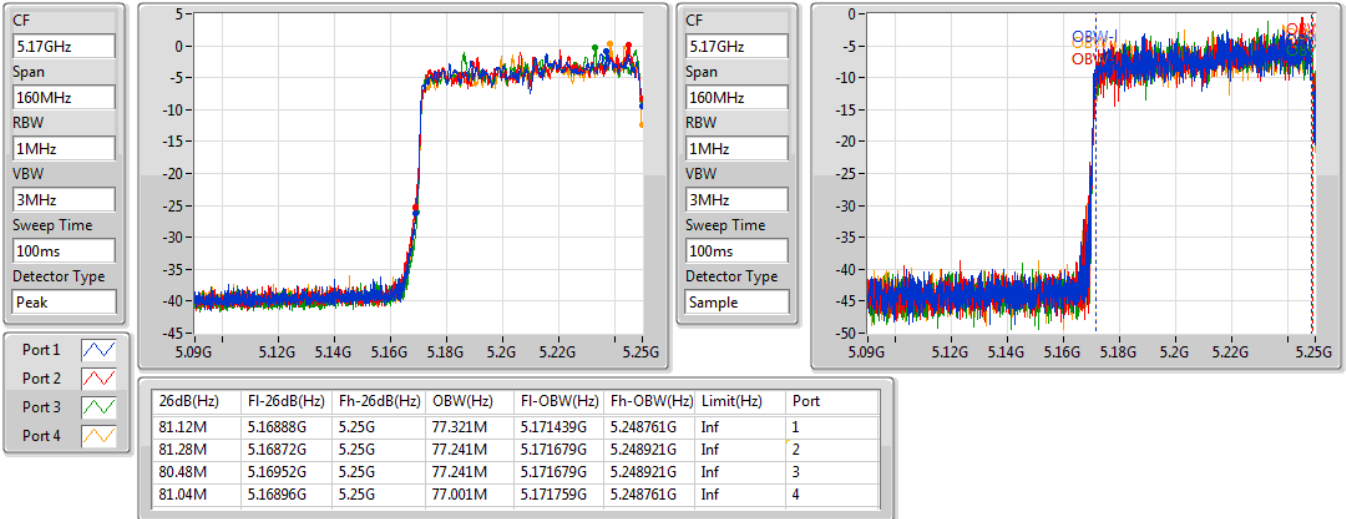
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

14/05/2019

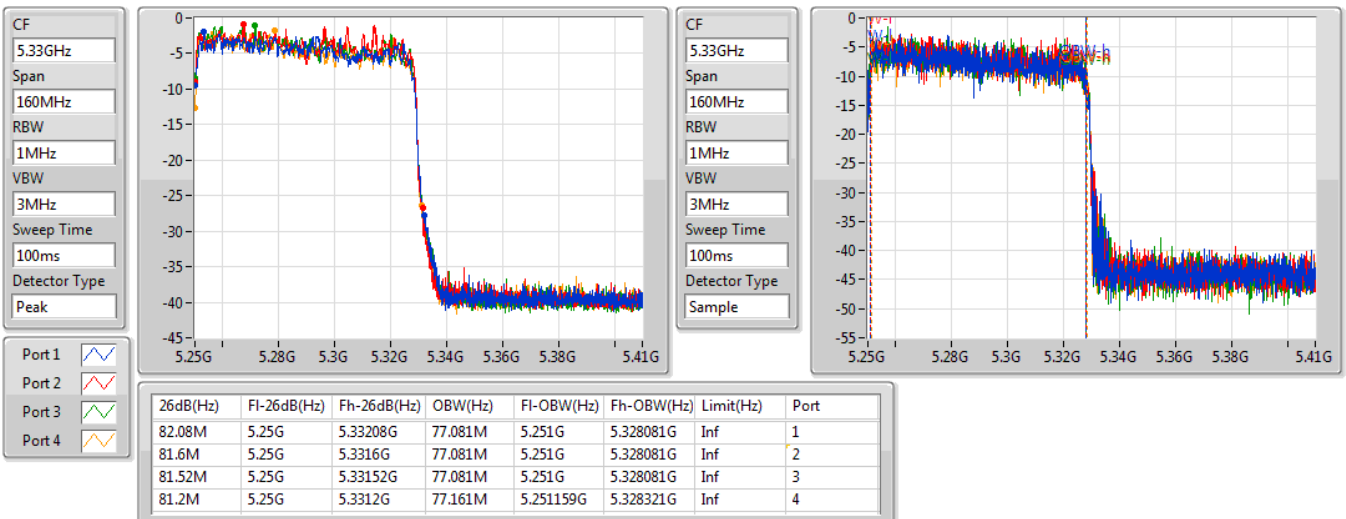


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

14/05/2019





Power Result_Radio 1

Appendix B.1

For Radio 1:

For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2~4:

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

For Non-beamforming / 1T1S mode

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	11.70	0.01479
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.48	0.14060
802.11ax HEW20_Nss1,(MCS0)_1TX	21.77	0.15031
802.11ax HEW40_Nss1,(MCS0)_1TX	20.98	0.12531
802.11ax HEW80_Nss1,(MCS0)_1TX	16.90	0.04898
802.11ax HEW160_Nss1,(MCS0)_1TX	12.18	0.01652
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.06	0.12764
802.11ax HEW20_Nss1,(MCS0)_1TX	20.79	0.11995
802.11ax HEW40_Nss1,(MCS0)_1TX	20.90	0.12303
802.11ax HEW80_Nss1,(MCS0)_1TX	20.12	0.10280
802.11ax HEW160_Nss1,(MCS0)_1TX	15.08	0.03221
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	12.72	0.01871
802.11ax HEW20_Nss1,(MCS0)_1TX	13.17	0.02075
802.11ax HEW40_Nss1,(MCS0)_1TX	9.66	0.00925
802.11ax HEW80_Nss1,(MCS0)_1TX	6.95	0.00495

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5260MHz	Pass	3.00	20.60	20.60	23.98	21.25
5300MHz	Pass	3.00	21.48	21.48	23.98	22.5
5320MHz	Pass	3.00	19.22	19.22	23.98	19.75
5500MHz	Pass	3.00	17.05	17.05	23.98	17
5580MHz	Pass	3.00	21.06	21.06	23.98	22
5700MHz	Pass	3.00	15.65	15.65	23.98	15
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	19.20	19.20	23.98	20.25
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	12.72	12.72	30.00	20.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5260MHz	Pass	3.00	21.32	21.32	23.98	22
5300MHz	Pass	3.00	21.77	21.77	23.98	22.5
5320MHz	Pass	3.00	18.76	18.76	23.98	19
5500MHz	Pass	3.00	16.43	16.43	23.98	16.25
5580MHz	Pass	3.00	20.79	20.79	23.98	21.5
5700MHz	Pass	3.00	13.86	13.86	23.98	13
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	18.25	18.25	23.98	19.75
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	13.17	13.17	30.00	19.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5270MHz	Pass	3.00	20.98	20.98	23.98	21.25
5310MHz	Pass	3.00	17.00	17.00	23.98	17
5510MHz	Pass	3.00	15.29	15.29	23.98	15.5
5550MHz	Pass	3.00	20.90	20.90	23.98	21.25
5670MHz	Pass	3.00	18.08	18.08	23.98	17.5
5710MHz Straddle 5.47-5.725GHz	Pass	3.00	19.24	19.24	23.98	20
5710MHz Straddle 5.725-5.85GHz	Pass	3.00	9.66	9.66	30.00	20
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5290MHz	Pass	3.00	16.90	16.90	23.98	16.75
5530MHz	Pass	3.00	16.02	16.02	23.98	15.5
5610MHz	Pass	3.00	19.07	19.07	23.98	18.5
5690MHz Straddle 5.47-5.725GHz	Pass	3.00	20.12	20.12	23.98	20.75
5690MHz Straddle 5.725-5.85GHz	Pass	3.00	6.95	6.95	30.00	20.75
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.00	11.70	11.70	30.00	14.75
5250MHz Straddle 5.25-5.35GHz	Pass	3.00	12.18	12.18	23.98	14.75
5570MHz	Pass	3.00	15.08	15.08	23.98	13.75

DG = Directional Gain; **Port X** = Port X output power

Note : Conducted setting = Pass conducted setting division 4

802.11a_Nss1,(6Mbps)_1TX

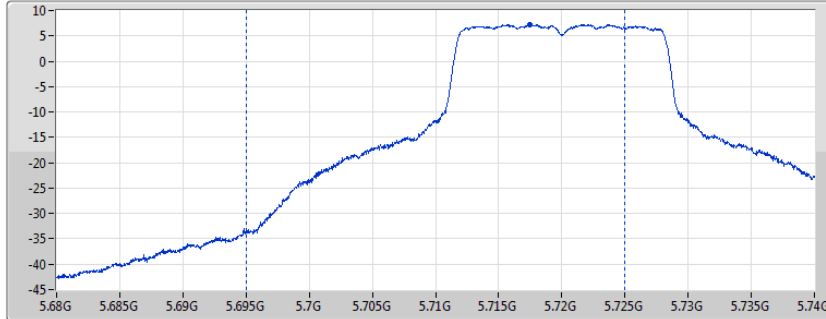
AV Power

5720MHz Straddle 5.47-5.725GHz

06/03/2019

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1

802.11a_Nss1,(6Mbps)_1TX

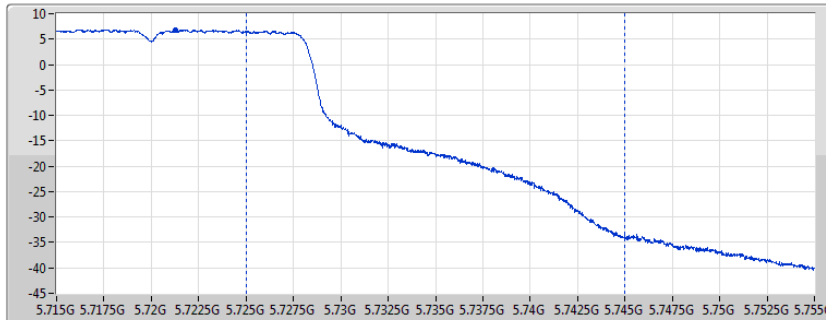
AV Power

5720MHz Straddle 5.725-5.85GHz

06/03/2019

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1

802.11ax HEW20_Nss1,(MCS0)_1TX

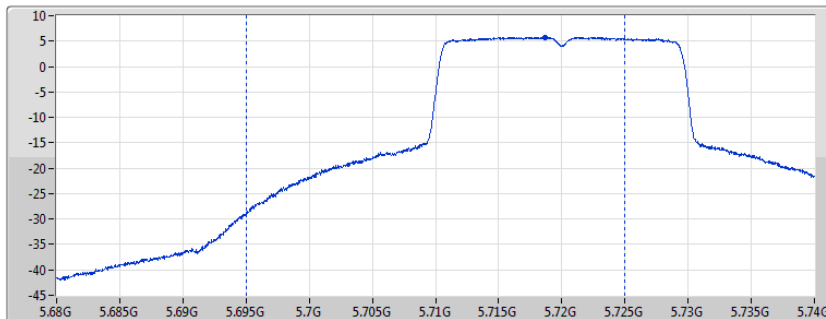
AV Power

5720MHz Straddle 5.47-5.725GHz

26/02/2019

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



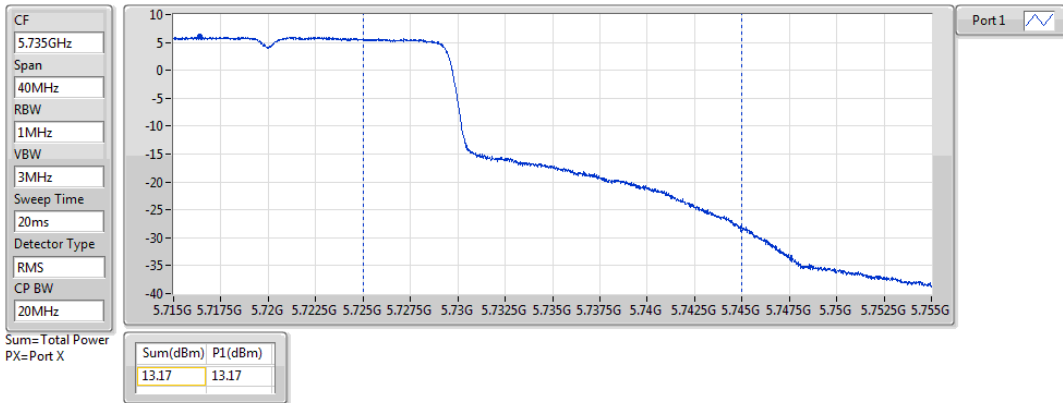
Port 1

802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

26/02/2019

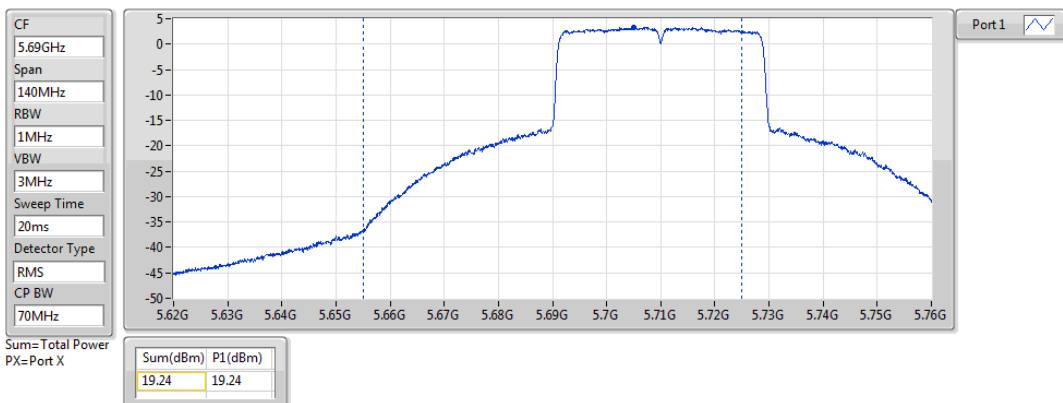


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

26/02/2019

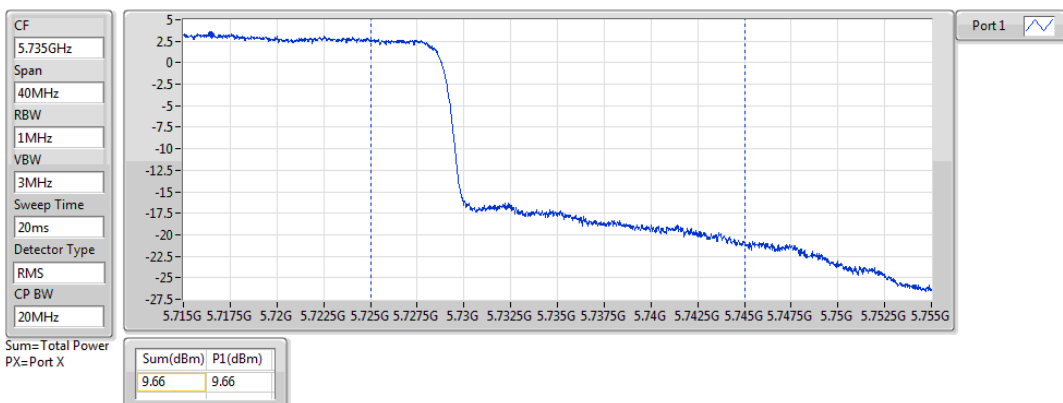


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

26/02/2019

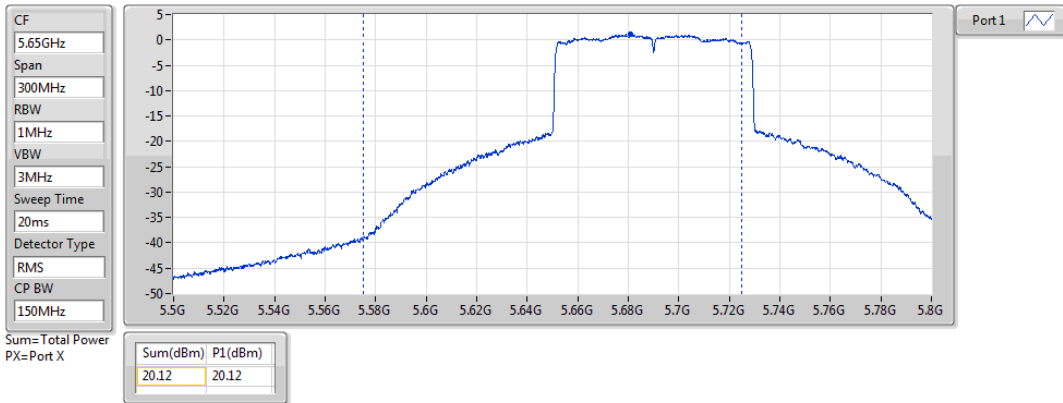


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

28/02/2019

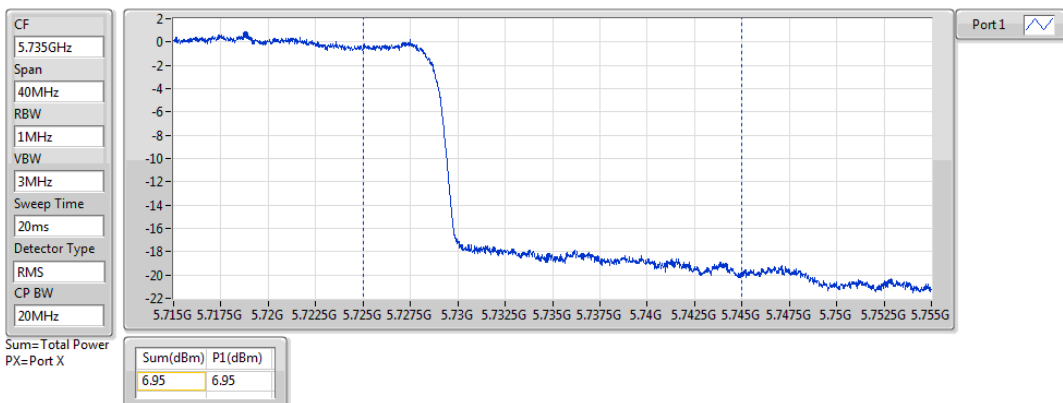


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

28/02/2019

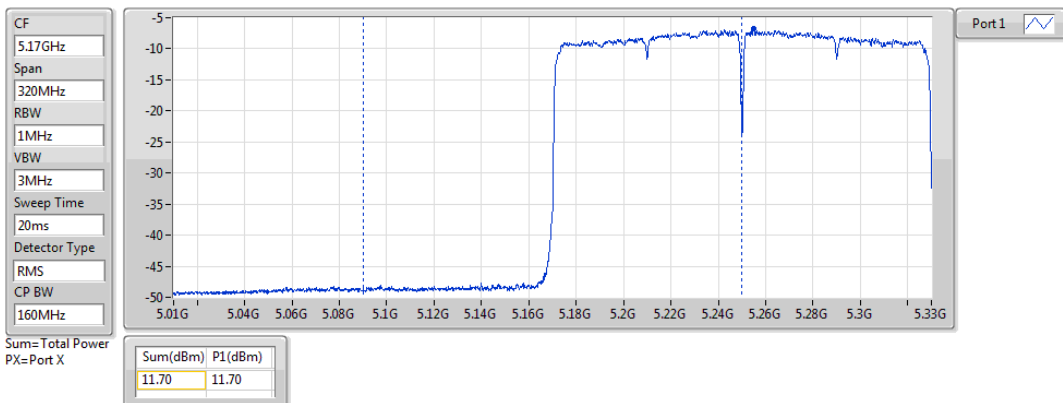


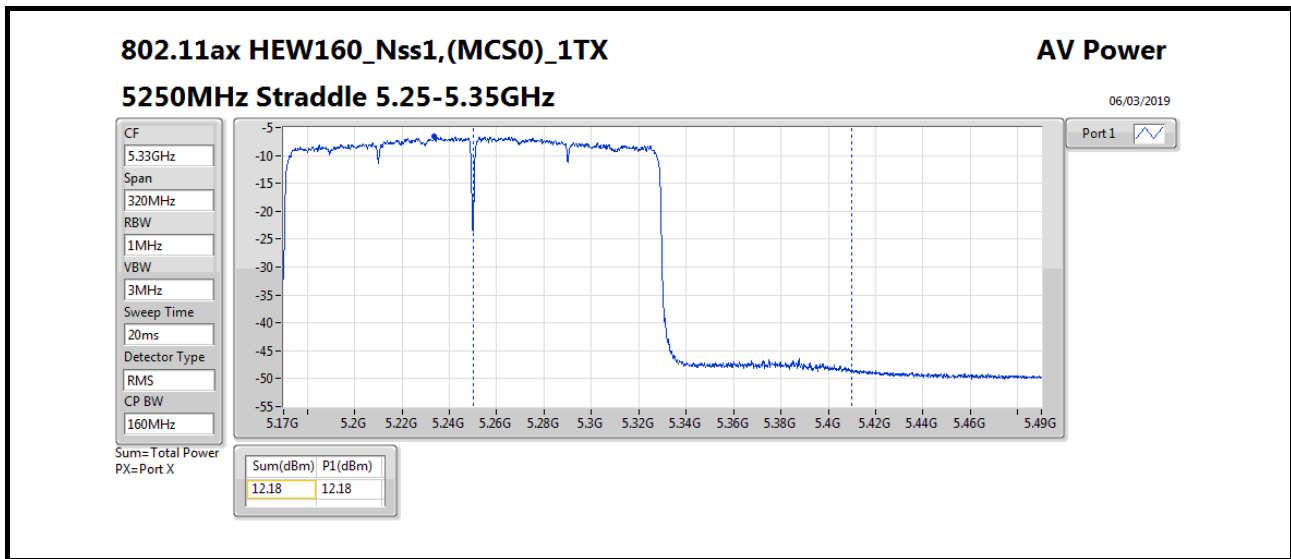
802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz

06/03/2019







Power Result_Radio 1

Appendix B.2

For Non-beamforming / 2T2S mode Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	13.61	0.02296
5.25-5.35GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.92	0.24660
802.11ax HEW40_Nss2,(MCS0)_2TX	23.20	0.20893
802.11ax HEW80_Nss2,(MCS0)_2TX	17.92	0.06194
802.11ax HEW160_Nss2,(MCS0)_2TX	13.32	0.02148
5.47-5.725GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.88	0.24434
802.11ax HEW40_Nss2,(MCS0)_2TX	23.43	0.22029
802.11ax HEW80_Nss2,(MCS0)_2TX	22.27	0.16866
802.11ax HEW160_Nss2,(MCS0)_2TX	16.55	0.04519
5.725-5.85GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	17.22	0.05272
802.11ax HEW40_Nss2,(MCS0)_2TX	12.97	0.01982
802.11ax HEW80_Nss2,(MCS0)_2TX	8.83	0.00764

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5260MHz	Pass	3.00	20.79	21.02	23.92	23.98	21
5300MHz	Pass	3.00	20.87	20.73	23.81	23.98	21.25
5320MHz	Pass	3.00	17.22	17.38	20.31	23.98	17.5
5500MHz	Pass	3.00	15.69	16.28	19.01	23.98	15.75
5580MHz	Pass	3.00	20.61	21.12	23.88	23.98	21
5700MHz	Pass	3.00	14.24	14.57	17.42	23.98	13.5
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	18.87	19.67	22.30	23.98	19.5
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	13.80	14.59	17.22	30.00	19.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5270MHz	Pass	3.00	20.04	20.33	23.20	23.98	20.25
5310MHz	Pass	3.00	15.86	16.52	19.21	23.98	16.25
5510MHz	Pass	3.00	14.59	15.18	17.91	23.98	15
5550MHz	Pass	3.00	20.14	20.68	23.43	23.98	20.5
5670MHz	Pass	3.00	16.21	16.61	19.42	23.98	15.5
5710MHz Straddle 5.47-5.725GHz	Pass	3.00	19.18	20.01	22.63	23.98	20
5710MHz Straddle 5.725-5.85GHz	Pass	3.00	9.52	10.36	12.97	30.00	20
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5290MHz	Pass	3.00	14.59	15.20	17.92	23.98	15
5530MHz	Pass	3.00	14.18	13.90	17.05	23.98	14
5610MHz	Pass	3.00	16.98	17.71	20.37	23.98	16.75
5690MHz Straddle 5.47-5.725GHz	Pass	3.00	18.99	19.52	22.27	23.98	18.75
5690MHz Straddle 5.725-5.85GHz	Pass	3.00	5.48	6.13	8.83	30.00	18.75
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.00	10.48	10.72	13.61	30.00	13.75
5250MHz Straddle 5.25-5.35GHz	Pass	3.00	10.63	9.96	13.32	23.98	13.75
5570MHz	Pass	3.00	13.56	13.51	16.55	23.98	12.75

DG = Directional Gain; Port X = Port X output power

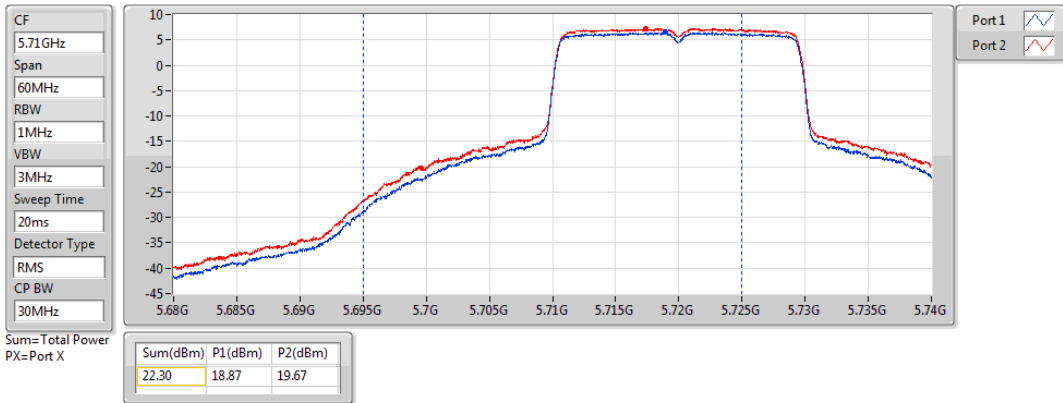
Note : Conducted setting = Pass conducted setting division 4

802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

06/03/2019

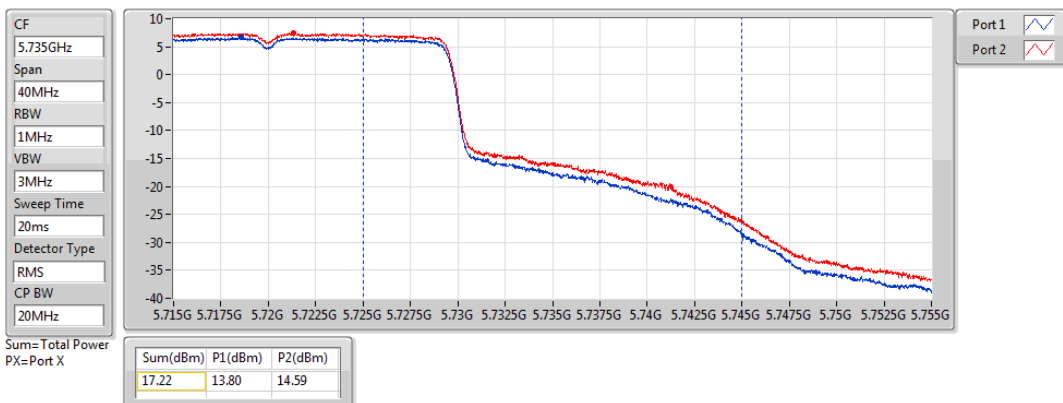


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

06/03/2019

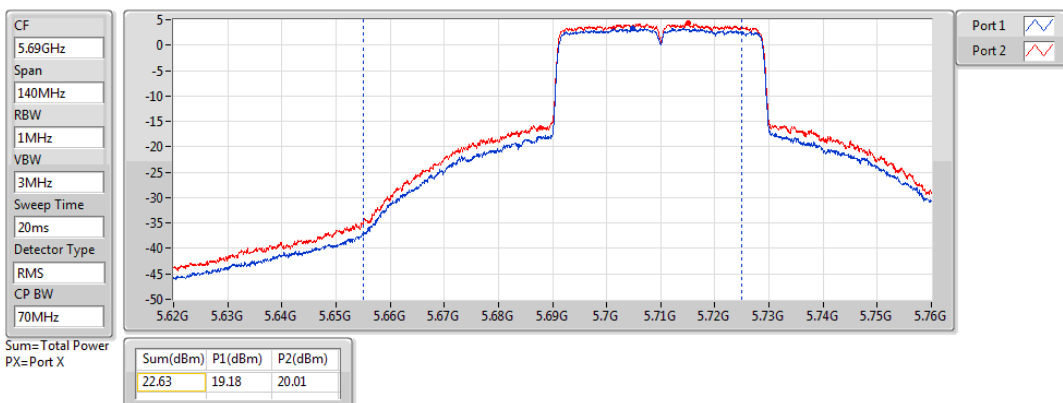


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

26/02/2019

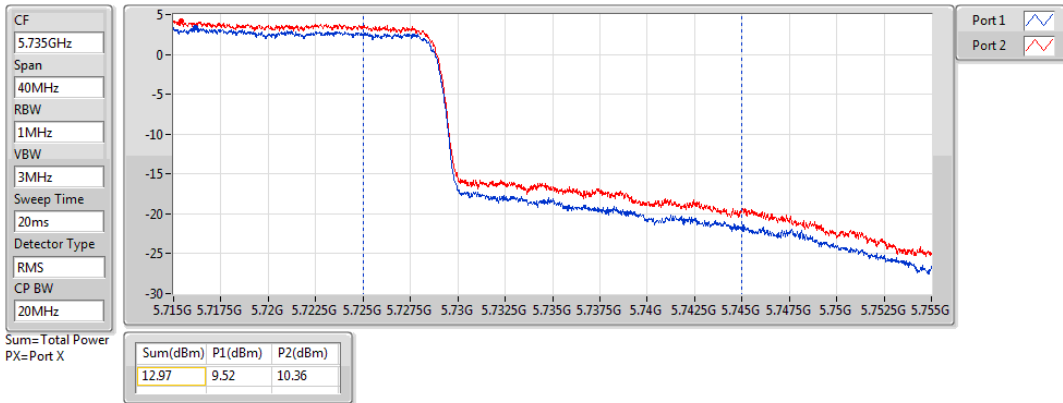


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

26/02/2019

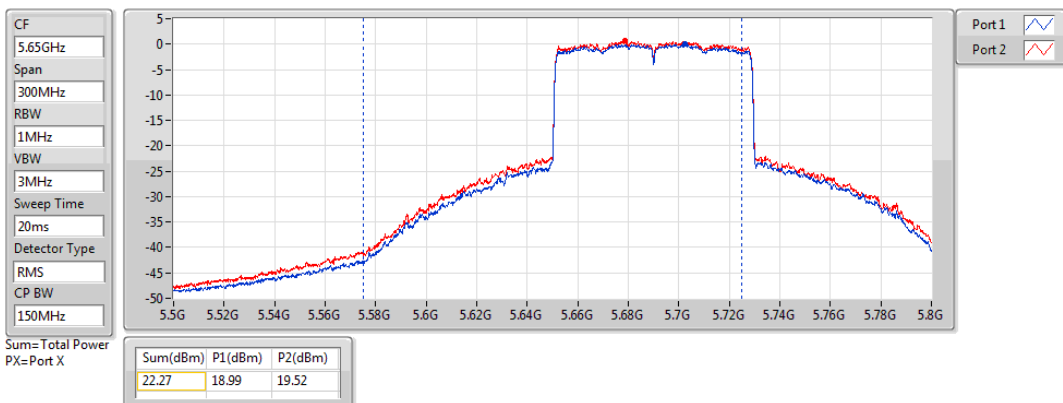


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

06/03/2019

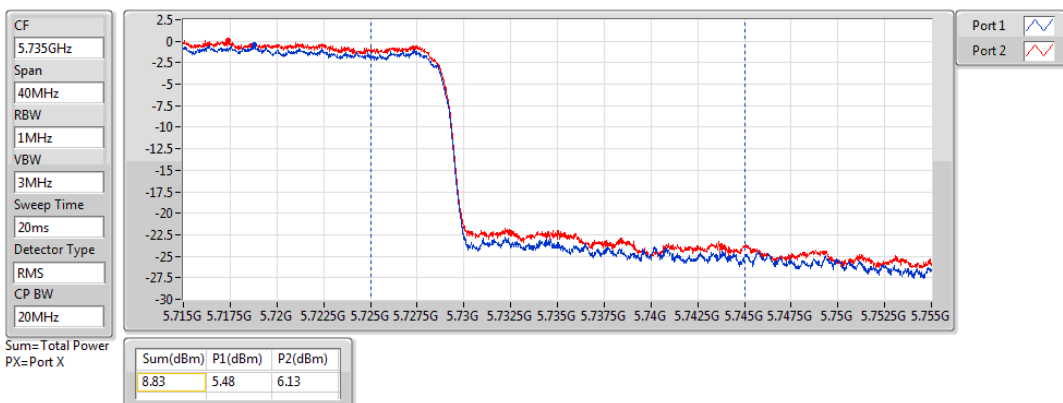


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

06/03/2019

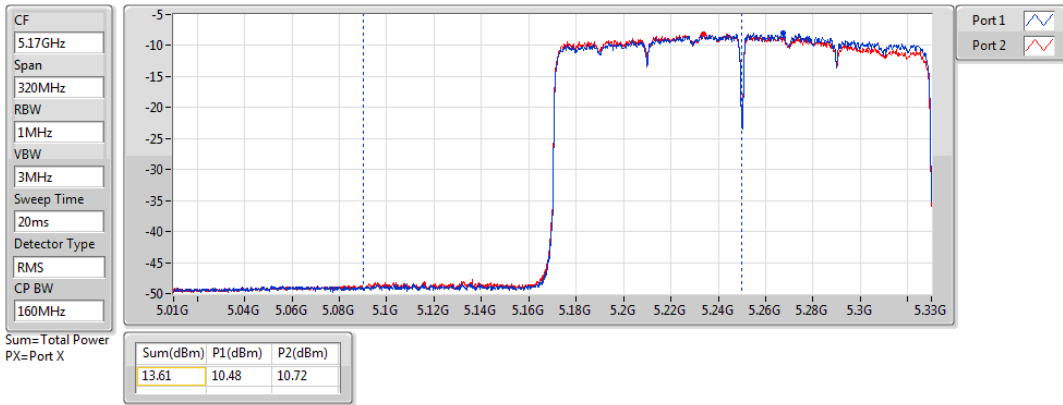


802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz

06/03/2019

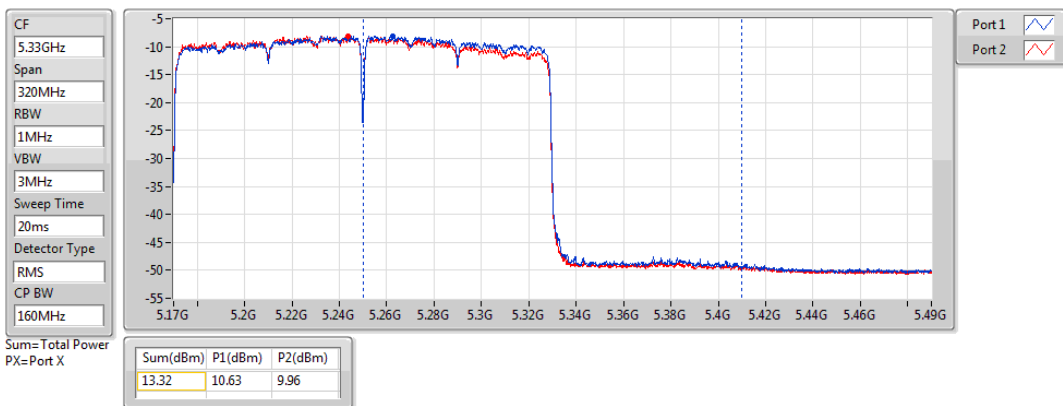


802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz

06/03/2019





Power Result_Radio 1

Appendix B.3

For Non-beamforming / 4T1S mode Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	14.11	0.02576
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.73	0.11830
802.11ax HEW20_Nss1,(MCS0)_4TX	21.27	0.13397
802.11ax HEW40_Nss1,(MCS0)_4TX	23.83	0.24155
802.11ax HEW80_Nss1,(MCS0)_4TX	19.48	0.08872
802.11ax HEW160_Nss1,(MCS0)_4TX	14.25	0.02661
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.66	0.11641
802.11ax HEW20_Nss1,(MCS0)_4TX	21.38	0.13740
802.11ax HEW40_Nss1,(MCS0)_4TX	23.93	0.24717
802.11ax HEW80_Nss1,(MCS0)_4TX	23.75	0.23714
802.11ax HEW160_Nss1,(MCS0)_4TX	19.19	0.08299
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.41	0.02193
802.11ax HEW20_Nss1,(MCS0)_4TX	15.14	0.03266
802.11ax HEW40_Nss1,(MCS0)_4TX	13.89	0.02449
802.11ax HEW80_Nss1,(MCS0)_4TX	9.89	0.00975

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	3.00	14.51	15.13	14.70	14.45	20.73	23.98	15
5300MHz	Pass	3.00	14.39	14.96	14.65	14.43	20.63	23.98	15
5320MHz	Pass	3.00	14.63	14.69	14.53	14.65	20.65	23.98	15.25
5500MHz	Pass	3.00	12.41	12.60	12.83	13.62	18.91	23.98	12.75
5580MHz	Pass	3.00	14.14	14.16	14.32	15.73	20.66	23.98	14.5
5700MHz	Pass	3.00	12.47	12.54	12.85	13.04	18.75	23.98	11.75
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	13.33	13.76	13.83	14.29	19.84	22.94	14
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	6.92	7.58	7.41	7.63	13.41	30.00	14
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	3.00	14.93	14.99	15.36	15.29	21.17	23.98	15.25
5300MHz	Pass	3.00	15.18	15.47	14.77	15.52	21.27	23.98	15.5
5320MHz	Pass	3.00	15.57	14.84	14.92	15.62	21.27	23.98	15.75
5500MHz	Pass	3.00	13.68	13.46	13.56	14.82	19.94	23.98	13.5
5580MHz	Pass	3.00	15.03	14.97	15.15	16.17	21.38	23.98	14.75
5700MHz	Pass	3.00	10.13	10.63	11.05	11.57	16.90	23.98	9.75
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	13.92	14.49	14.21	14.88	20.41	22.95	14.5
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	8.69	9.27	8.91	9.57	15.14	30.00	14.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5270MHz	Pass	3.00	17.86	17.62	18.19	17.52	23.83	23.98	18
5310MHz	Pass	3.00	13.91	14.07	14.41	13.57	20.02	23.98	14.25
5510MHz	Pass	3.00	13.47	13.81	13.63	14.46	19.88	23.98	13.5
5550MHz	Pass	3.00	17.06	17.82	17.70	18.61	23.85	23.98	17.25
5670MHz	Pass	3.00	14.18	14.91	14.74	15.57	20.90	23.98	13.75
5710MHz Straddle 5.47-5.725GHz	Pass	3.00	17.05	17.98	17.99	18.48	23.93	23.98	17.25
5710MHz Straddle 5.725-5.85GHz	Pass	3.00	7.01	8.03	7.96	8.36	13.89	30.00	17.25
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5290MHz	Pass	3.00	13.36	13.42	13.78	13.25	19.48	23.98	13.5
5530MHz	Pass	3.00	13.23	13.02	12.69	13.98	19.28	23.98	12.75
5610MHz	Pass	3.00	15.97	15.91	15.95	16.57	22.13	23.98	15.25
5690MHz Straddle 5.47-5.725GHz	Pass	3.00	17.35	17.89	17.51	18.14	23.75	23.98	17
5690MHz Straddle 5.725-5.85GHz	Pass	3.00	3.54	4.19	3.61	4.11	9.89	30.00	17
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.00	8.16	8.27	7.88	8.05	14.11	30.00	11.25
5250MHz Straddle 5.25-5.35GHz	Pass	3.00	8.16	8.10	8.46	8.18	14.25	23.98	11.25
5570MHz	Pass	3.00	13.12	13.05	13.03	13.45	19.19	23.98	12

DG = Directional Gain;Port X = Port X output power

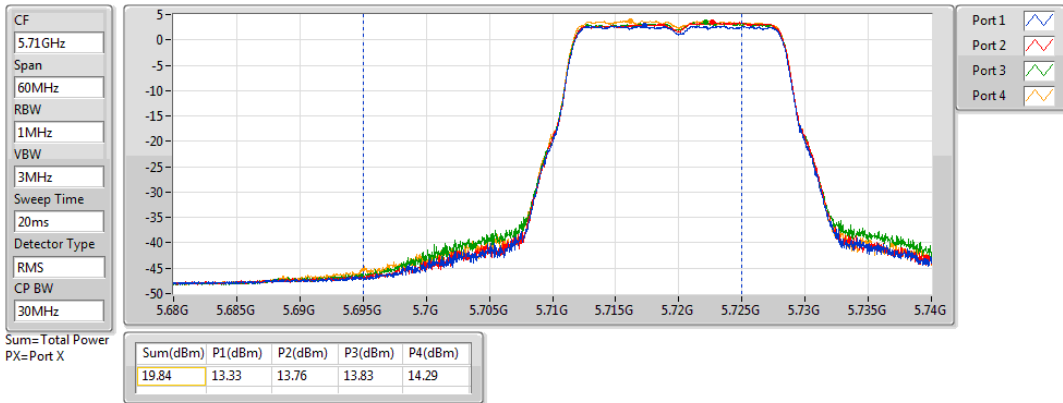
Note : Conducted setting = Pass conducted setting division 4

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

07/03/2019

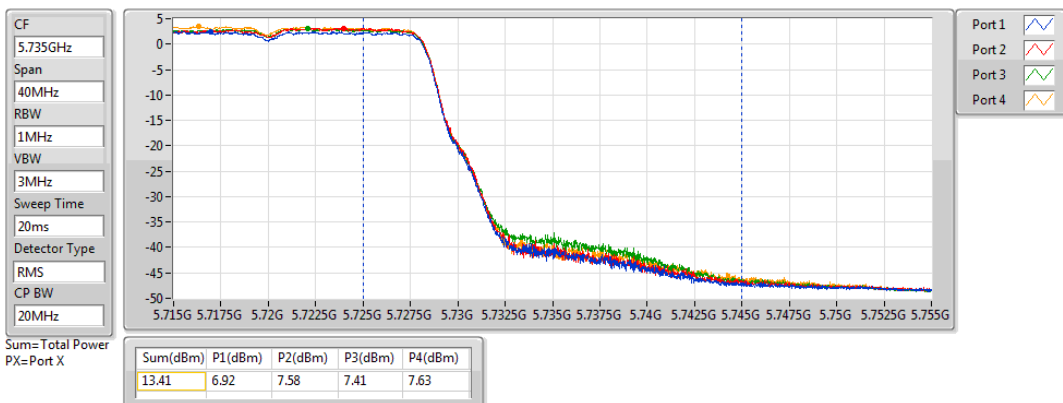


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

07/03/2019

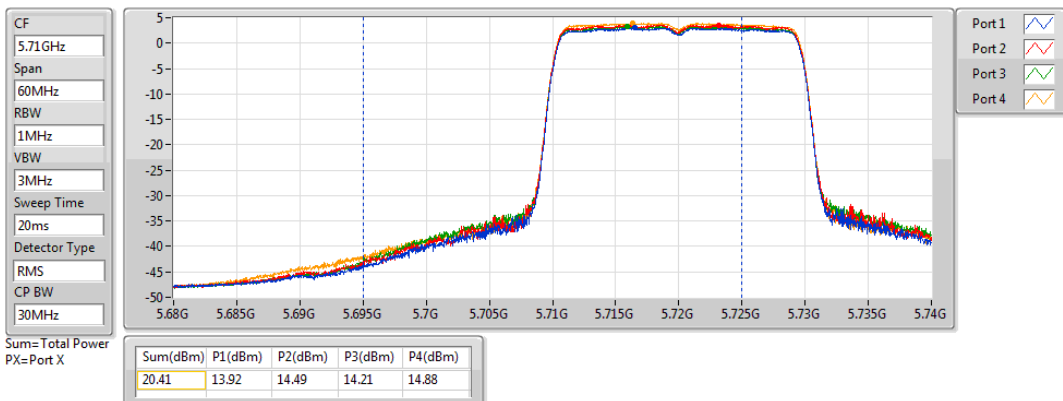


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

07/03/2019

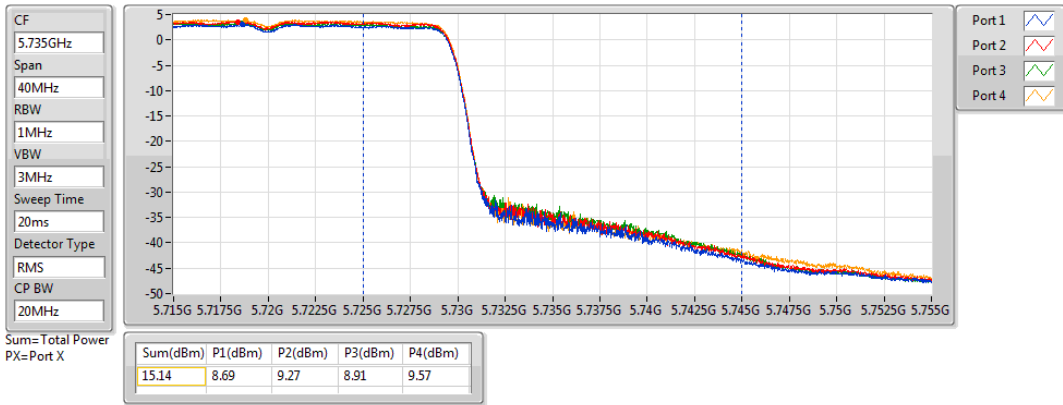


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

07/03/2019

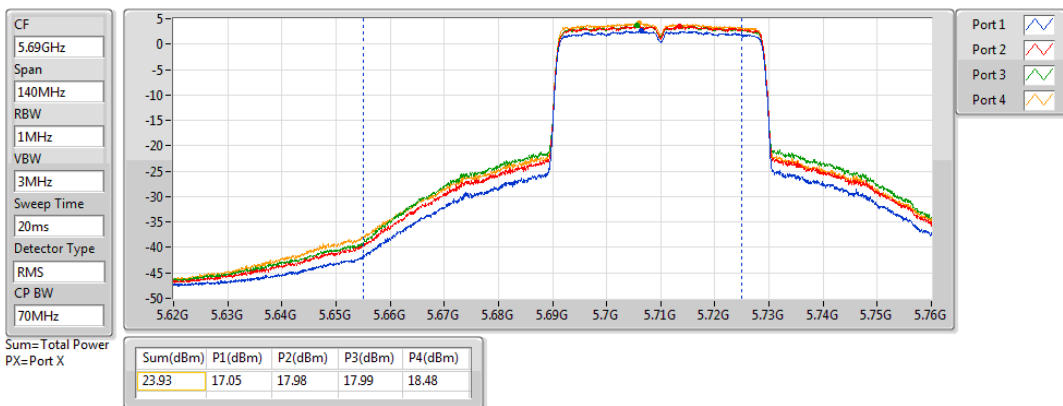


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

07/03/2019

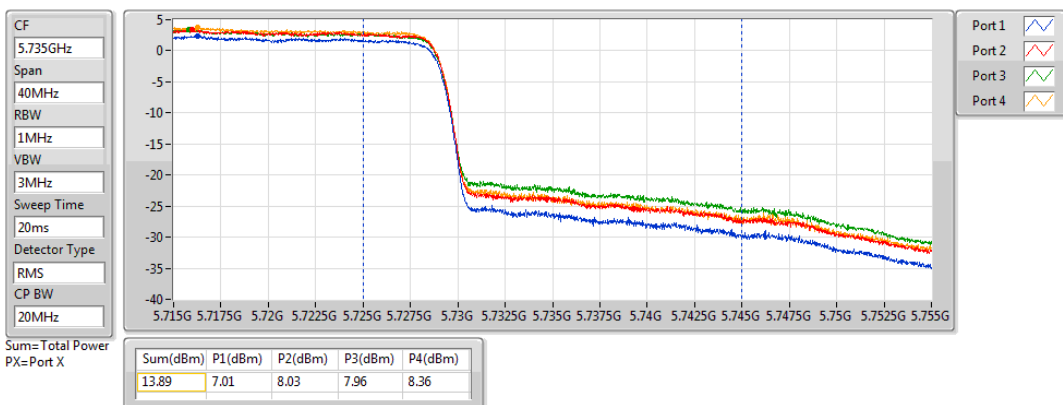


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

07/03/2019

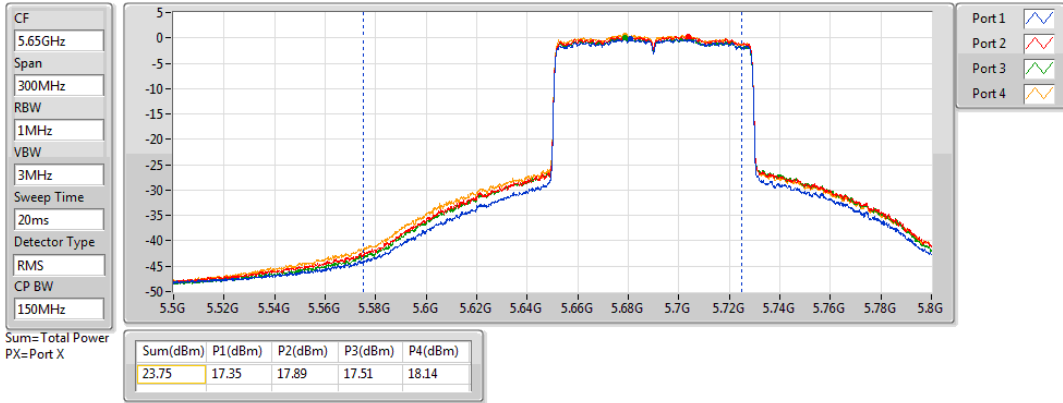


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

07/03/2019

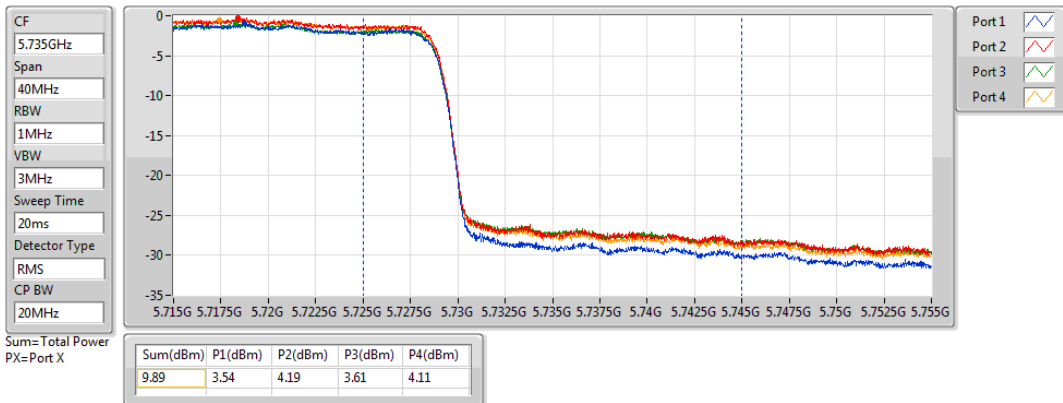


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

07/03/2019

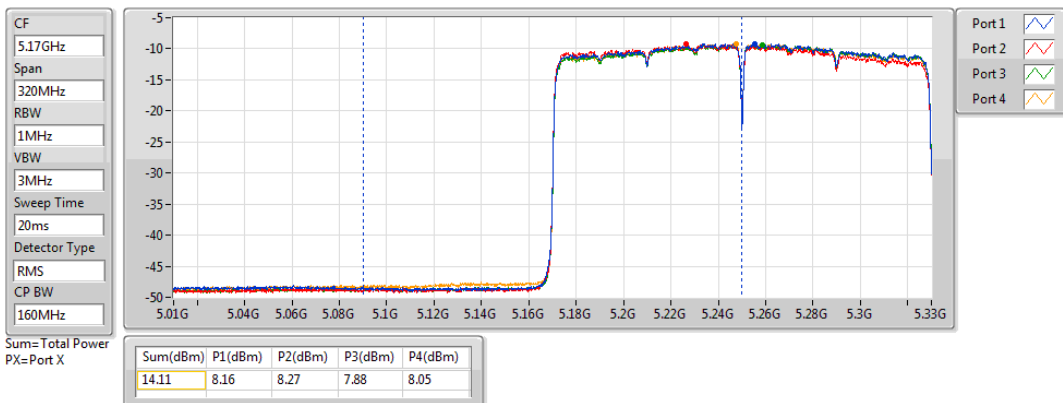


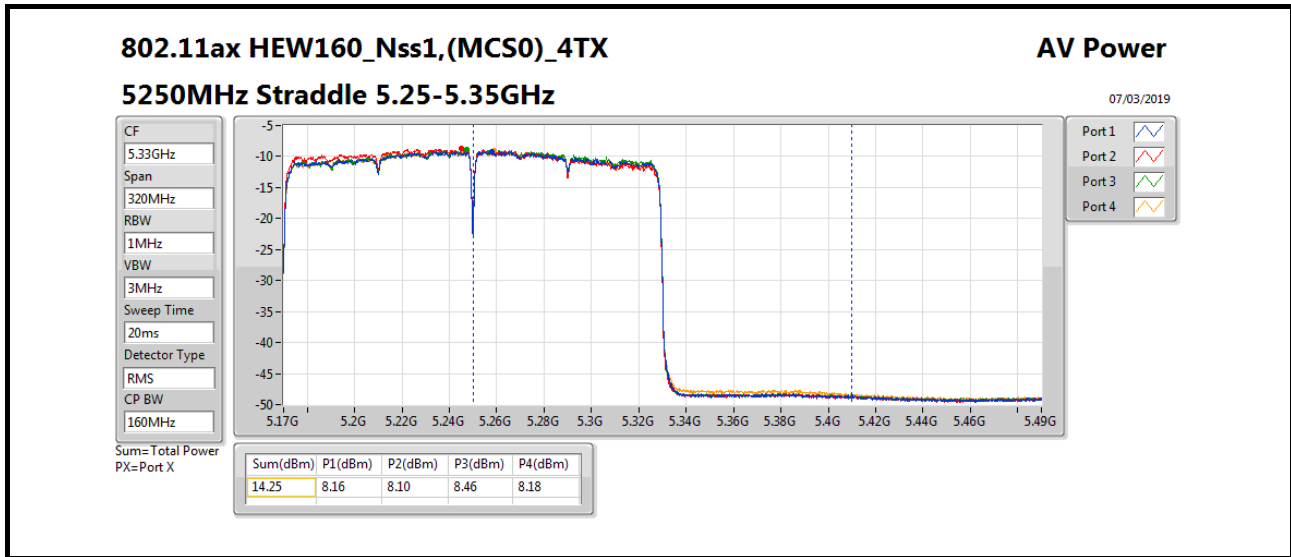
802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

07/03/2019







Power Result_Radio 1

Appendix B.4

For Beamforming / 4T1S mode Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	13.95	0.02483
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.95	0.12445
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.92	0.12359
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	19.75	0.09441
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	14.18	0.02618
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.87	0.12218
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.81	0.12050
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.86	0.12190
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.40	0.05495
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.04	0.02535
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	10.49	0.01119
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	7.20	0.00525

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	9.02	14.74	14.68	15.29	14.60	20.86	20.96	13.75
5300MHz	Pass	9.02	14.82	15.09	15.04	14.77	20.95	20.96	14
5320MHz	Pass	9.02	14.74	14.86	15.02	14.60	20.83	20.96	14.25
5500MHz	Pass	9.02	14.13	14.75	15.17	14.48	20.67	20.96	12.5
5580MHz	Pass	9.02	13.80	14.73	15.65	15.02	20.87	20.96	12.75
5700MHz	Pass	9.02	10.76	11.75	12.30	11.49	17.63	20.96	8.75
5720MHz Straddle 5.47-5.725GHz	Pass	9.02	13.15	13.68	14.67	13.51	19.81	19.92	11.75
5720MHz Straddle 5.725-5.85GHz	Pass	9.02	7.32	8.00	8.89	7.72	14.04	26.98	11.75
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5270MHz	Pass	9.02	14.57	14.87	15.21	14.92	20.92	20.96	14
5310MHz	Pass	9.02	12.67	13.10	13.29	13.20	19.09	20.96	12.5
5510MHz	Pass	9.02	9.37	10.15	10.44	11.01	16.30	20.96	8
5550MHz	Pass	9.02	13.56	14.70	14.98	15.52	20.77	20.96	12.5
5670MHz	Pass	9.02	13.39	13.91	14.99	14.53	20.27	20.96	11.25
5710MHz Straddle 5.47-5.725GHz	Pass	9.02	13.70	14.68	15.60	14.96	20.81	20.96	12.25
5710MHz Straddle 5.725-5.85GHz	Pass	9.02	3.39	4.38	5.23	4.66	10.49	26.98	12.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5290MHz	Pass	9.02	13.56	13.82	14.42	12.98	19.75	20.96	12.75
5530MHz	Pass	9.02	12.43	13.42	13.67	13.34	19.26	20.96	10.75
5610MHz	Pass	9.02	14.13	14.80	15.33	14.70	20.78	20.96	12
5690MHz Straddle 5.47-5.725GHz	Pass	9.02	14.20	14.90	15.52	14.64	20.86	20.96	11.75
5690MHz Straddle 5.725-5.85GHz	Pass	9.02	0.61	1.46	1.68	0.89	7.20	26.98	11.75
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.02	8.17	8.11	7.67	7.74	13.95	26.98	11.25
5250MHz Straddle 5.25-5.35GHz	Pass	9.02	8.12	7.95	8.31	8.26	14.18	20.96	11.25
5570MHz	Pass	9.02	10.71	10.91	11.82	11.94	17.40	20.96	8.75

DG = Directional Gain;Port X = Port X output power

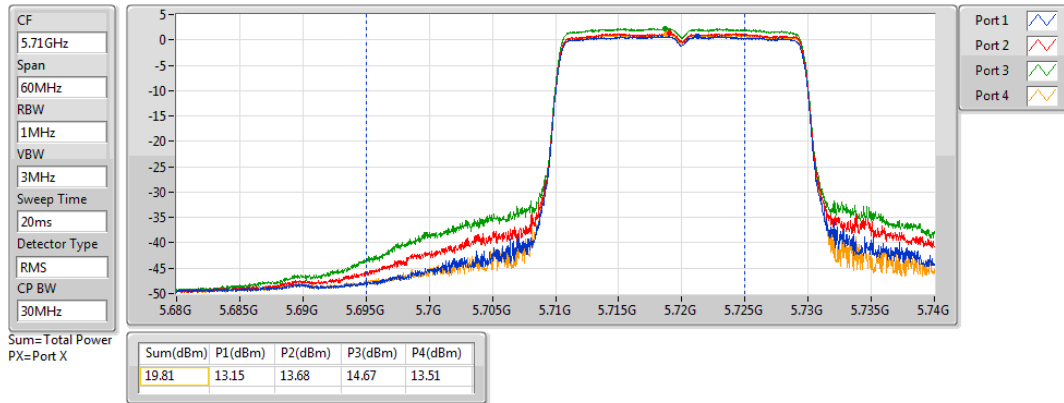
Note : Conducted setting = Pass conducted setting division 4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

06/03/2019

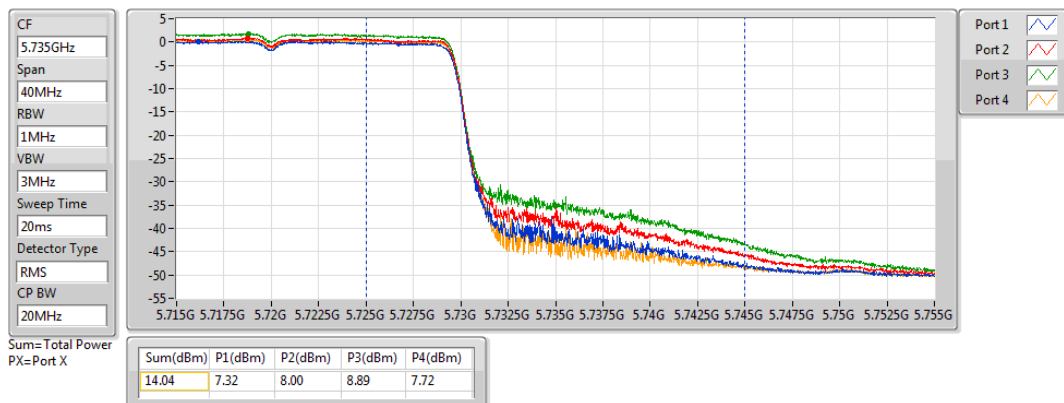


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

06/03/2019

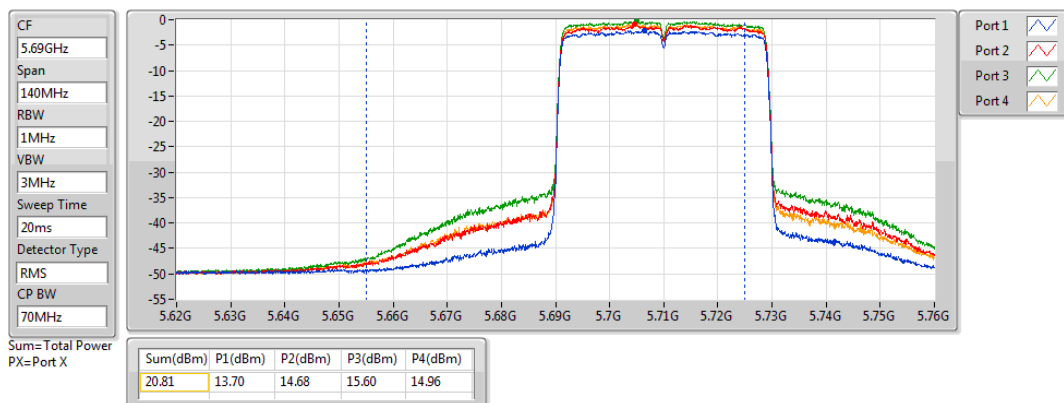


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

06/03/2019

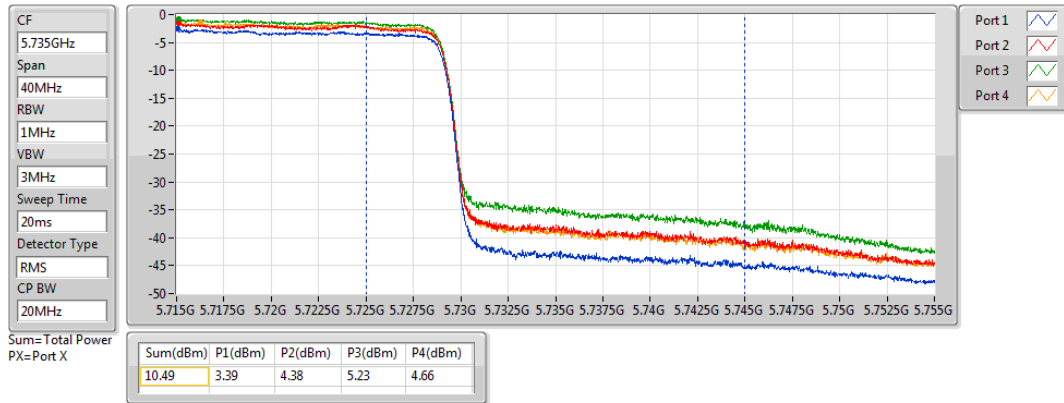


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

06/03/2019

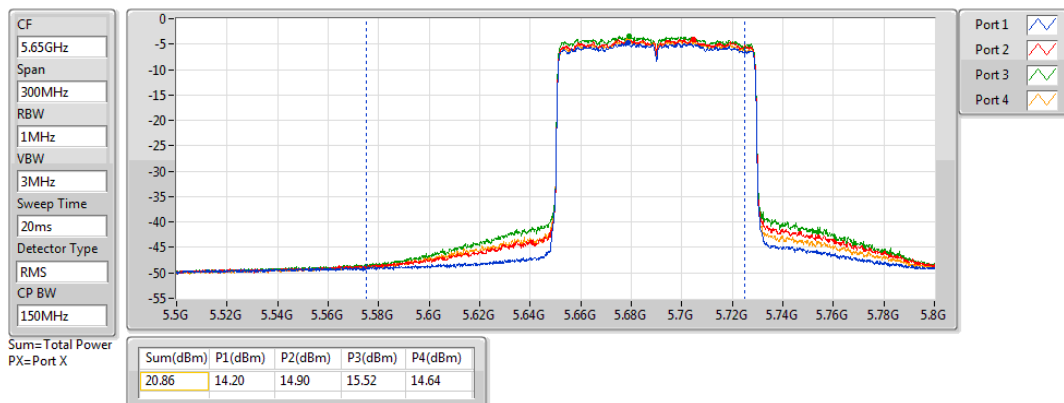


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

06/03/2019

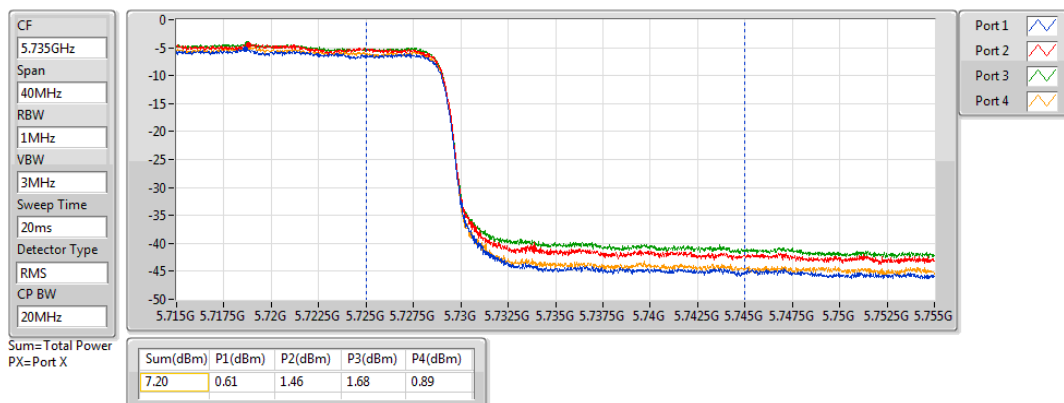


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

06/03/2019

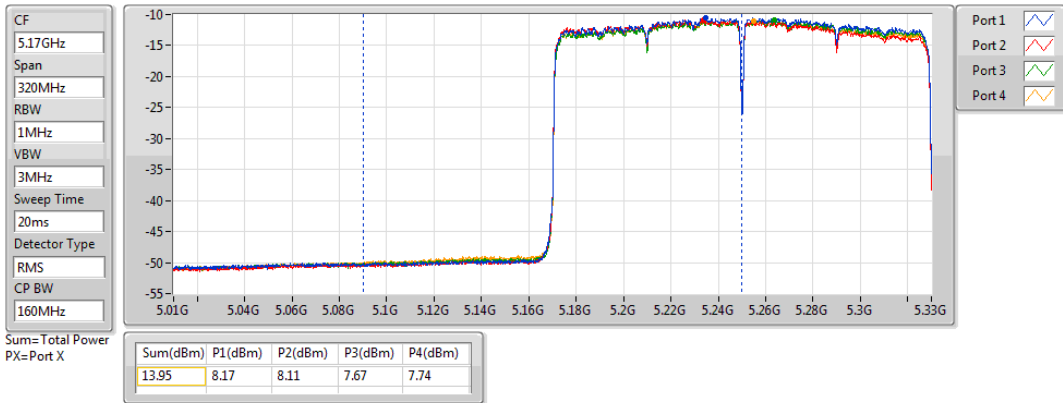


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

29/04/2019

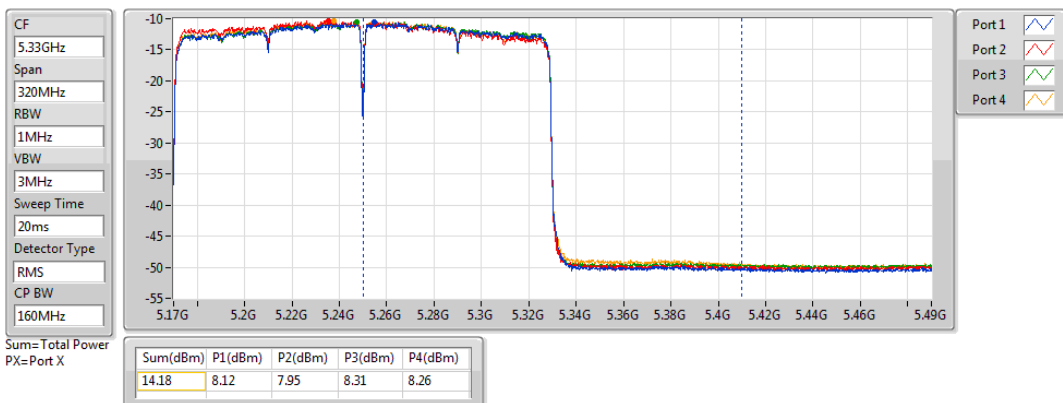


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

29/04/2019





Power Result_Radio 1

Appendix B.5

For Non-beamforming / 4T4S mode Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	14.83	0.03041
5.25-5.35GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.91	0.24604
802.11ax HEW40_Nss4,(MCS0)_4TX	23.96	0.24889
802.11ax HEW80_Nss4,(MCS0)_4TX	19.42	0.08750
802.11ax HEW160_Nss4,(MCS0)_4TX	14.81	0.03027
5.47-5.725GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.96	0.24889
802.11ax HEW40_Nss4,(MCS0)_4TX	23.93	0.24717
802.11ax HEW80_Nss4,(MCS0)_4TX	23.91	0.24604
802.11ax HEW160_Nss4,(MCS0)_4TX	18.62	0.07278
5.725-5.85GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	17.92	0.06194
802.11ax HEW40_Nss4,(MCS0)_4TX	14.02	0.02523
802.11ax HEW80_Nss4,(MCS0)_4TX	10.32	0.01076

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	3.00	17.58	17.84	18.23	17.87	23.91	23.98	18
5300MHz	Pass	3.00	17.99	17.93	17.81	17.62	23.86	23.98	18
5320MHz	Pass	3.00	15.95	16.02	15.71	16.08	21.96	23.98	16.5
5500MHz	Pass	3.00	14.70	14.63	14.72	15.49	20.92	23.98	14.5
5580MHz	Pass	3.00	17.55	17.91	17.67	18.54	23.96	23.98	17.5
5700MHz	Pass	3.00	13.81	13.95	14.16	14.69	20.19	23.98	13
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	16.70	17.21	17.17	17.48	23.17	23.77	17.75
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	11.55	12.04	11.83	12.15	17.92	30.00	17.75
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5270MHz	Pass	3.00	17.87	18.01	18.15	17.71	23.96	23.98	18
5310MHz	Pass	3.00	13.72	13.96	14.02	13.63	19.86	23.98	14.25
5510MHz	Pass	3.00	12.82	13.05	13.16	13.95	19.29	23.98	13
5550MHz	Pass	3.00	17.28	17.50	17.52	18.74	23.82	23.98	17.5
5670MHz	Pass	3.00	14.55	15.18	14.87	15.72	21.12	23.98	14.25
5710MHz Straddle 5.47-5.725GHz	Pass	3.00	16.97	18.34	17.93	18.26	23.93	23.98	17.5
5710MHz Straddle 5.725-5.85GHz	Pass	3.00	7.09	8.45	7.99	8.33	14.02	30.00	17.5
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5290MHz	Pass	3.00	13.52	13.28	13.76	12.98	19.42	23.98	13.75
5530MHz	Pass	3.00	13.36	13.45	13.43	14.69	19.79	23.98	13.5
5610MHz	Pass	3.00	16.49	17.28	16.64	17.52	23.02	23.98	16.25
5690MHz Straddle 5.47-5.725GHz	Pass	3.00	17.46	17.66	17.73	18.60	23.91	23.98	17.25
5690MHz Straddle 5.725-5.85GHz	Pass	3.00	3.99	4.26	4.32	4.59	10.32	30.00	17.25
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.00	8.83	9.11	8.55	8.72	14.83	30.00	12
5250MHz Straddle 5.25-5.35GHz	Pass	3.00	8.90	8.38	8.93	8.92	14.81	23.98	12
5570MHz	Pass	3.00	12.58	12.42	12.61	12.78	18.62	23.98	11.75

DG = Directional Gain; Port X = Port X output power

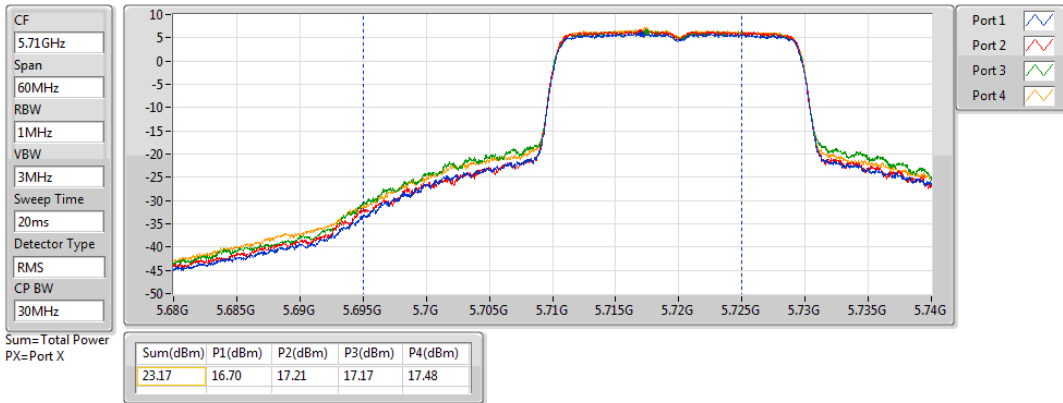
Note : Conducted setting = Pass conducted setting division 4

802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

27/02/2019

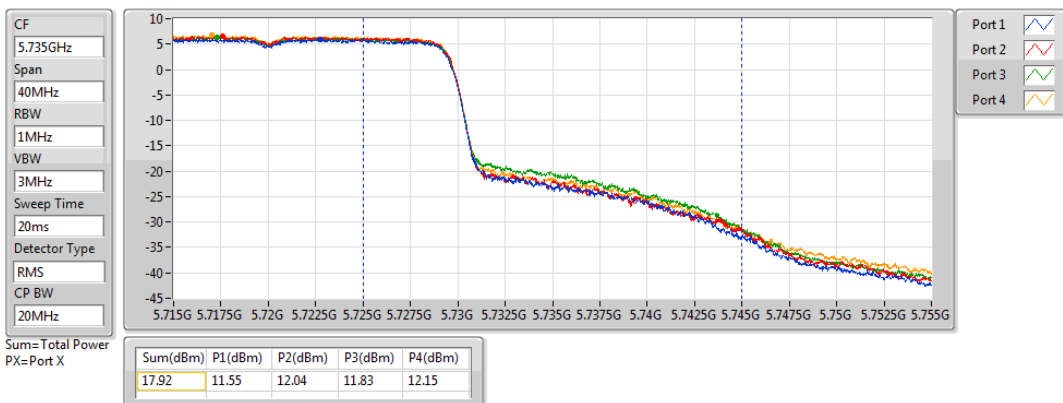


802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

27/02/2019

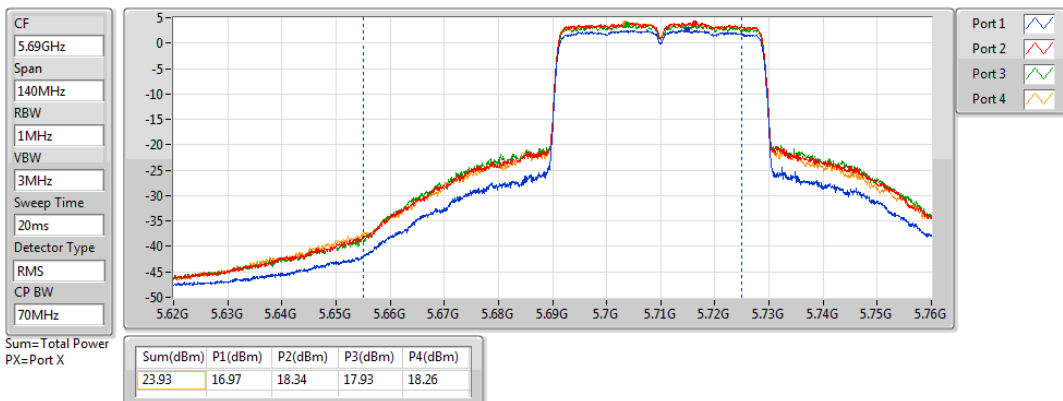


802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

27/02/2019

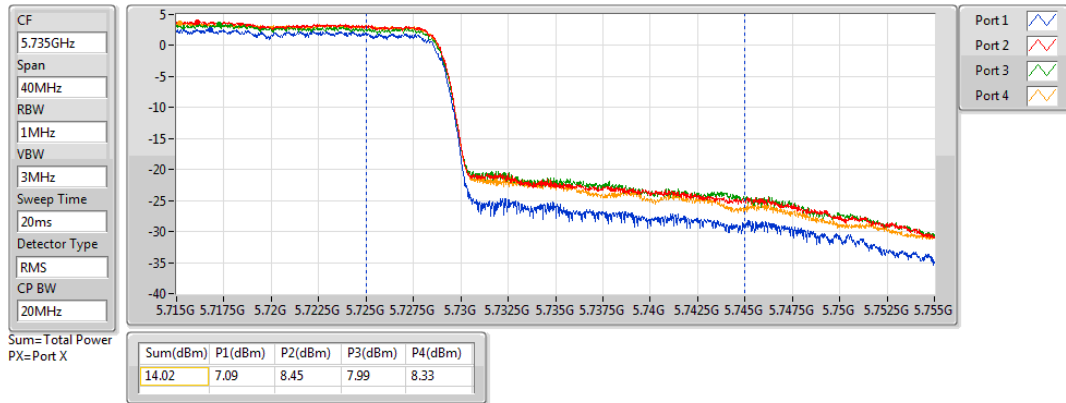


802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

27/02/2019

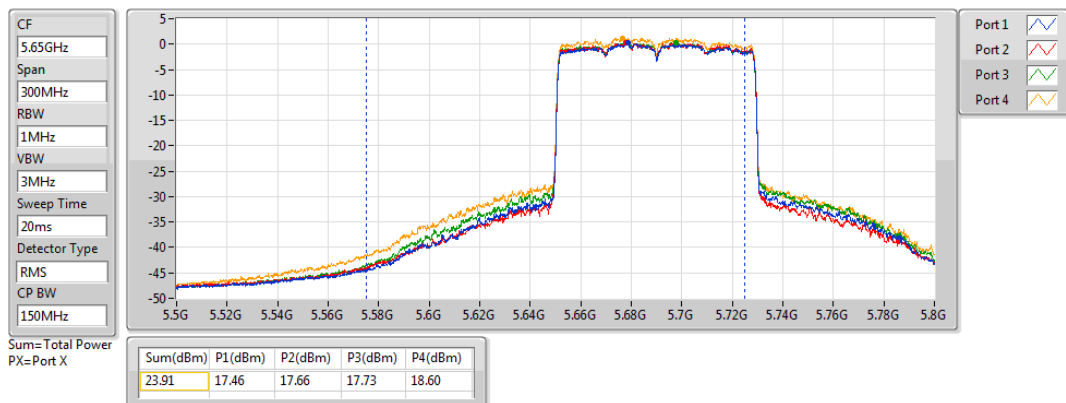


802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

07/03/2019

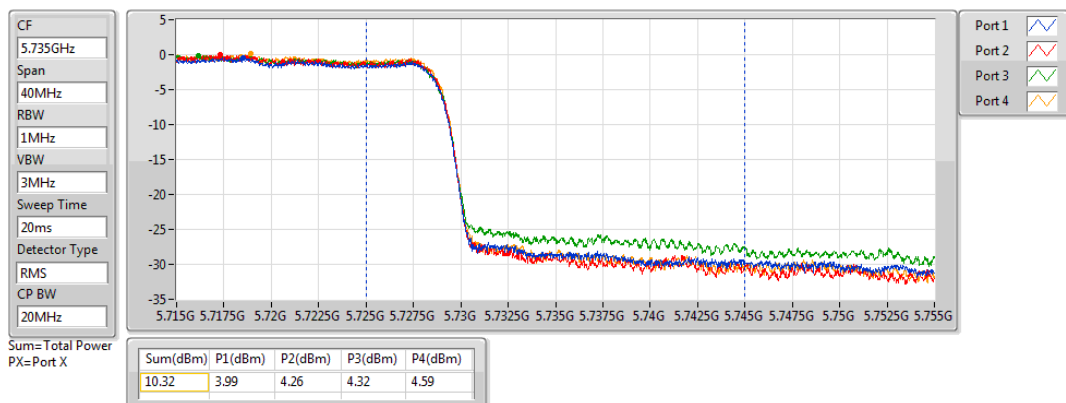


802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

07/03/2019

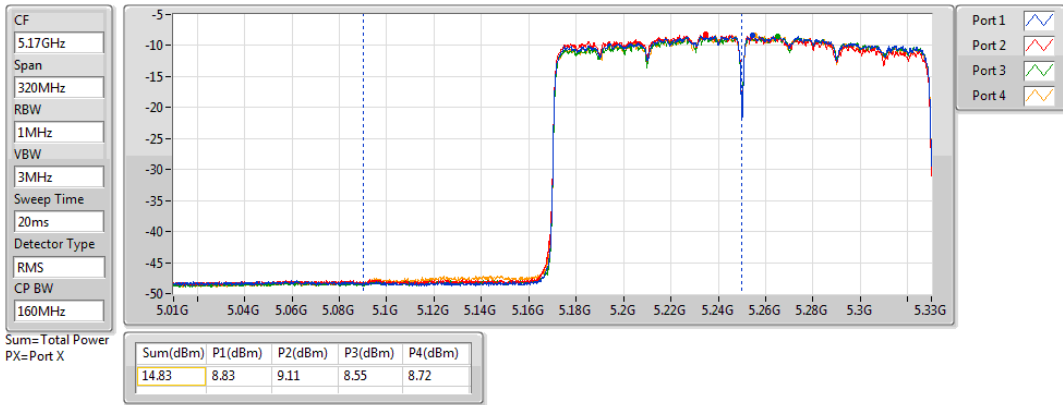


802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

07/03/2019

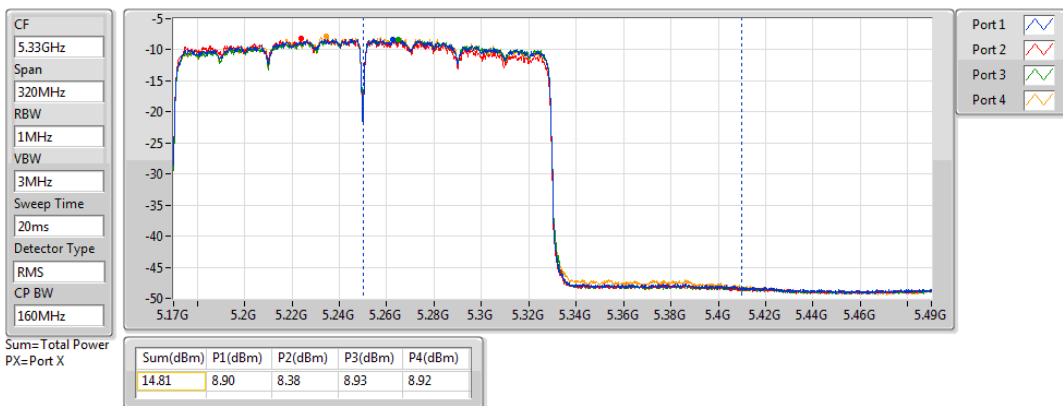


802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

07/03/2019



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

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	10.85	0.01216
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.48	0.14060
802.11ax HEW20_Nss1,(MCS0)_1TX	20.77	0.11940
802.11ax HEW40_Nss1,(MCS0)_1TX	18.93	0.07816
802.11ax HEW80_Nss1,(MCS0)_1TX	15.42	0.03483
802.11ax HEW160_Nss1,(MCS0)_1TX	11.11	0.01291
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.38	0.08670
802.11ax HEW20_Nss1,(MCS0)_1TX	20.52	0.11272
802.11ax HEW40_Nss1,(MCS0)_1TX	19.24	0.08395
802.11ax HEW80_Nss1,(MCS0)_1TX	19.91	0.09795
802.11ax HEW160_Nss1,(MCS0)_1TX	14.28	0.02679
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	12.08	0.01614
802.11ax HEW20_Nss1,(MCS0)_1TX	13.17	0.02075
802.11ax HEW40_Nss1,(MCS0)_1TX	9.66	0.00925
802.11ax HEW80_Nss1,(MCS0)_1TX	6.77	0.00475

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5260MHz	Pass	6.00	19.98	19.98	23.98	20.5
5300MHz	Pass	6.00	21.48	21.48	23.98	22.5
5320MHz	Pass	6.00	17.92	17.92	23.98	18.5
5500MHz	Pass	6.00	14.15	14.15	23.98	14
5580MHz	Pass	6.00	19.38	19.38	23.98	19.75
5700MHz	Pass	6.00	14.23	14.23	23.98	13.5
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	18.24	18.24	23.98	19.5
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	12.08	12.08	30.00	19.5
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5260MHz	Pass	6.00	20.58	20.58	23.98	21
5300MHz	Pass	6.00	20.77	20.77	23.98	21.25
5320MHz	Pass	6.00	17.15	17.15	23.98	17.5
5500MHz	Pass	6.00	14.98	14.98	23.98	15
5580MHz	Pass	6.00	20.52	20.52	23.98	21
5700MHz	Pass	6.00	11.68	11.68	23.98	10.75
5720MHz Straddle 5.47-5.725GHz	Pass	6.00	18.25	18.25	23.98	19.75
5720MHz Straddle 5.725-5.85GHz	Pass	6.00	13.17	13.17	30.00	19.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5270MHz	Pass	6.00	18.93	18.93	23.98	19
5310MHz	Pass	6.00	15.54	15.54	23.98	15.5
5510MHz	Pass	6.00	13.92	13.92	23.98	14.25
5550MHz	Pass	6.00	19.12	19.12	23.98	19.25
5670MHz	Pass	6.00	15.77	15.77	23.98	15.25
5710MHz Straddle 5.47-5.725GHz	Pass	6.00	19.24	19.24	23.98	20
5710MHz Straddle 5.725-5.85GHz	Pass	6.00	9.66	9.66	30.00	20
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5290MHz	Pass	6.00	15.42	15.42	23.98	15.25
5530MHz	Pass	6.00	15.02	15.02	23.98	14.75
5610MHz	Pass	6.00	17.08	17.08	23.98	16.5
5690MHz Straddle 5.47-5.725GHz	Pass	6.00	19.91	19.91	23.98	20.5
5690MHz Straddle 5.725-5.85GHz	Pass	6.00	6.77	6.77	30.00	20.5
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.00	10.85	10.85	30.00	14.25
5250MHz Straddle 5.25-5.35GHz	Pass	6.00	11.11	11.11	23.98	14.25
5570MHz	Pass	6.00	14.28	14.28	23.98	13

DG = Directional Gain; **Port X** = Port X output power

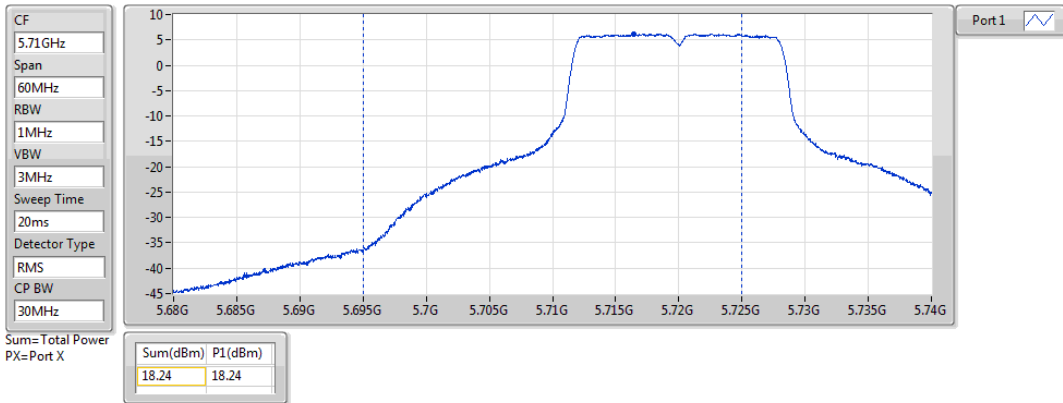
Note : Conducted setting = Pass conducted setting division 4

802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

26/02/2019

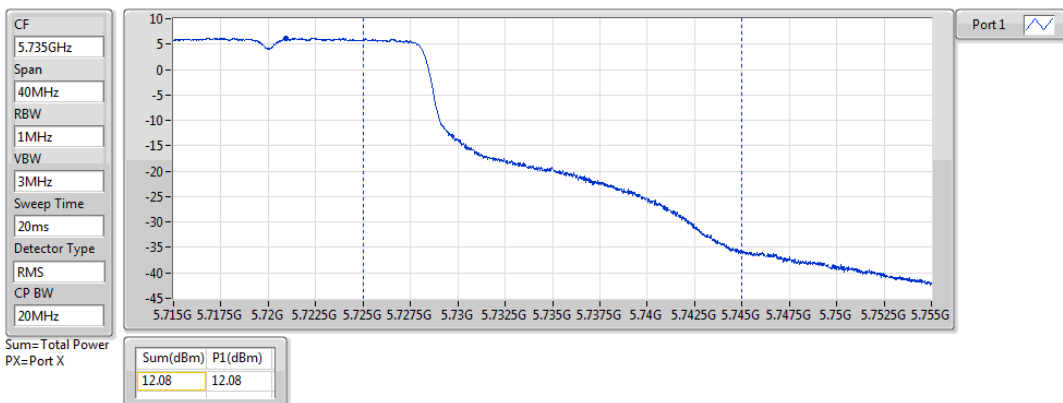


802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

26/02/2019

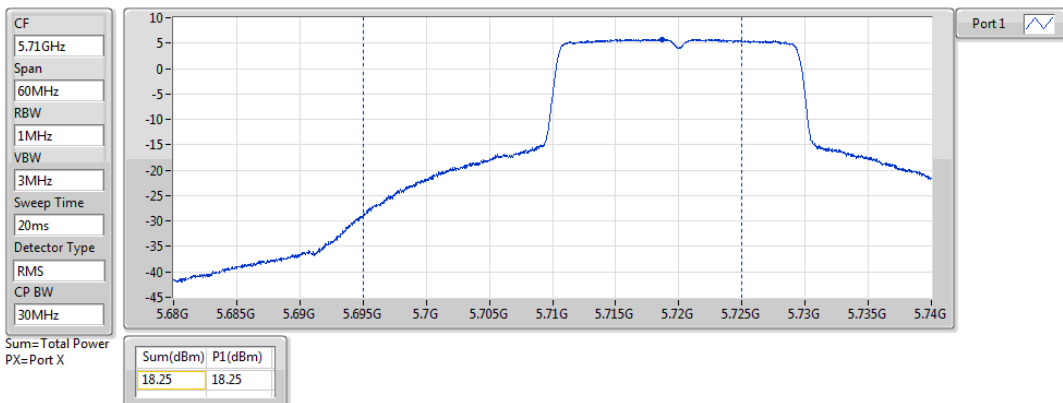


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

26/02/2019

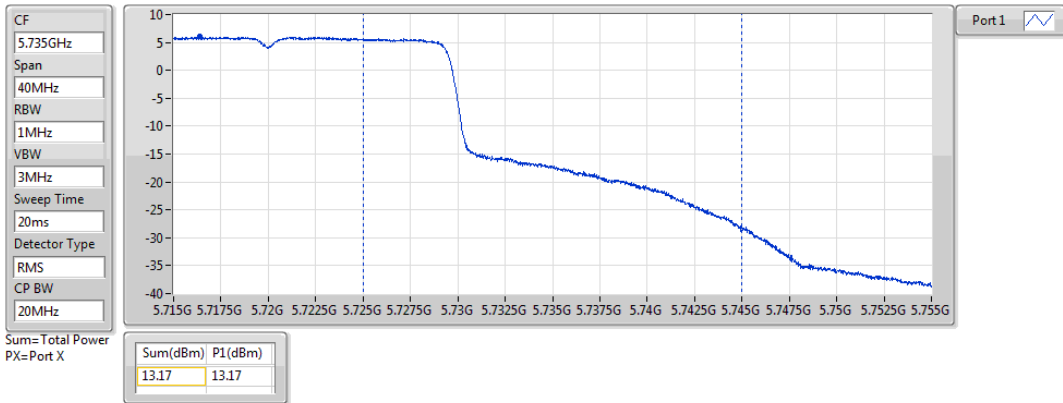


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

26/02/2019

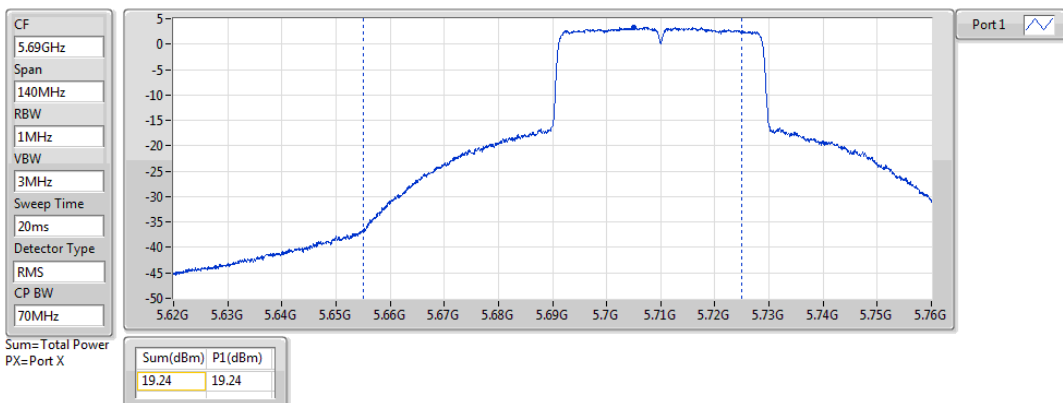


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

26/02/2019

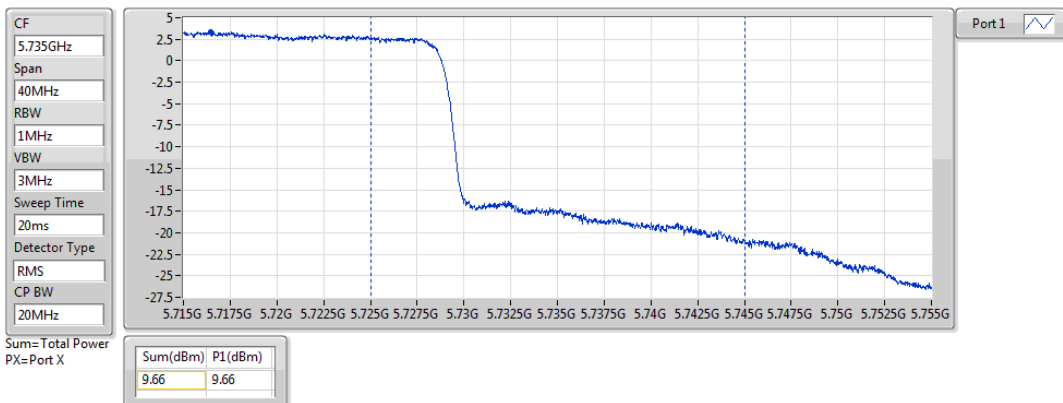


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

26/02/2019

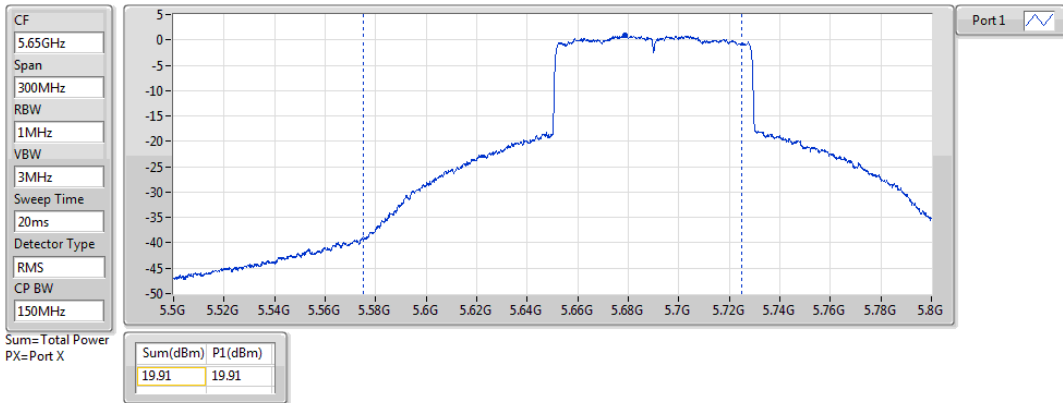


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

26/02/2019

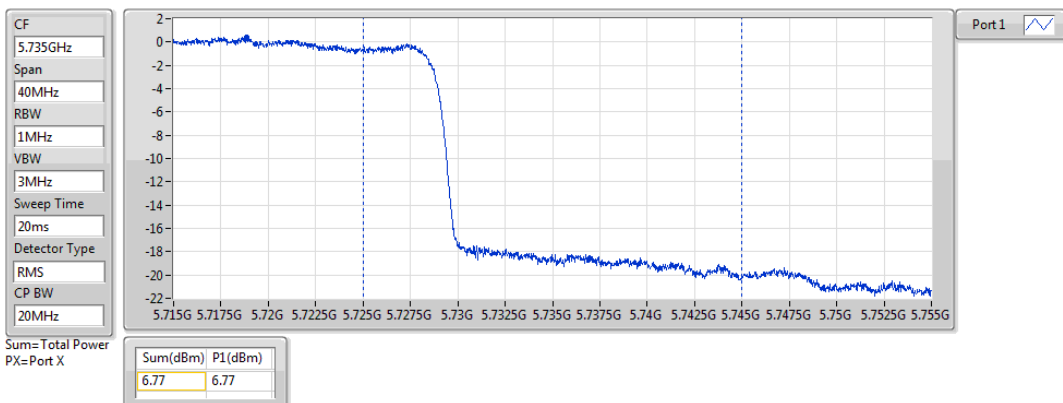


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

26/02/2019



802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz

26/02/2019

