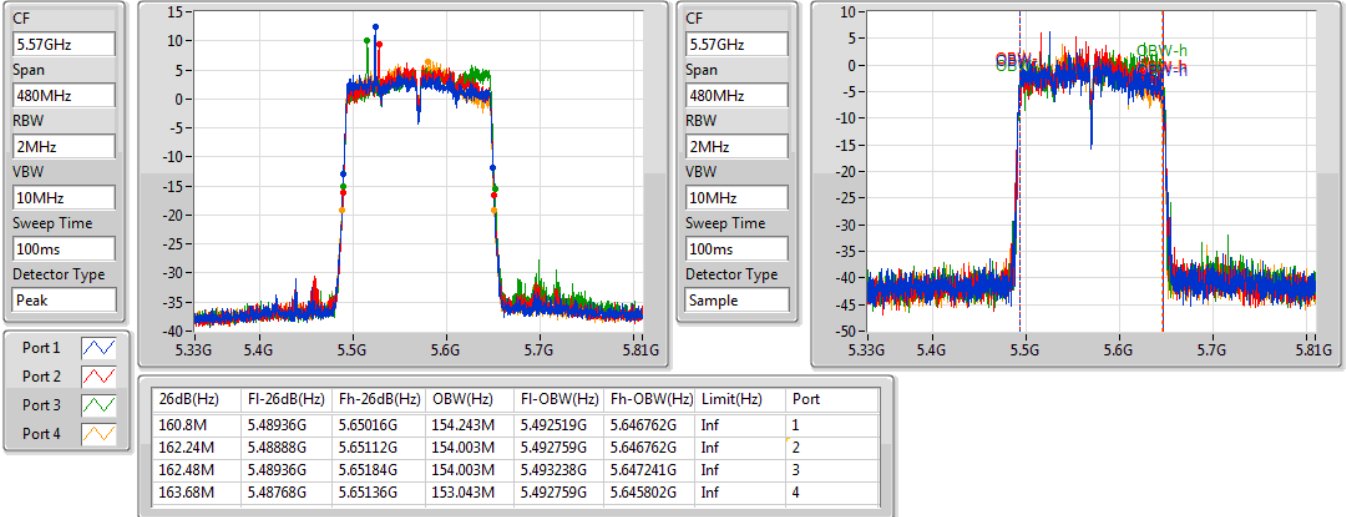


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

03/12/2019

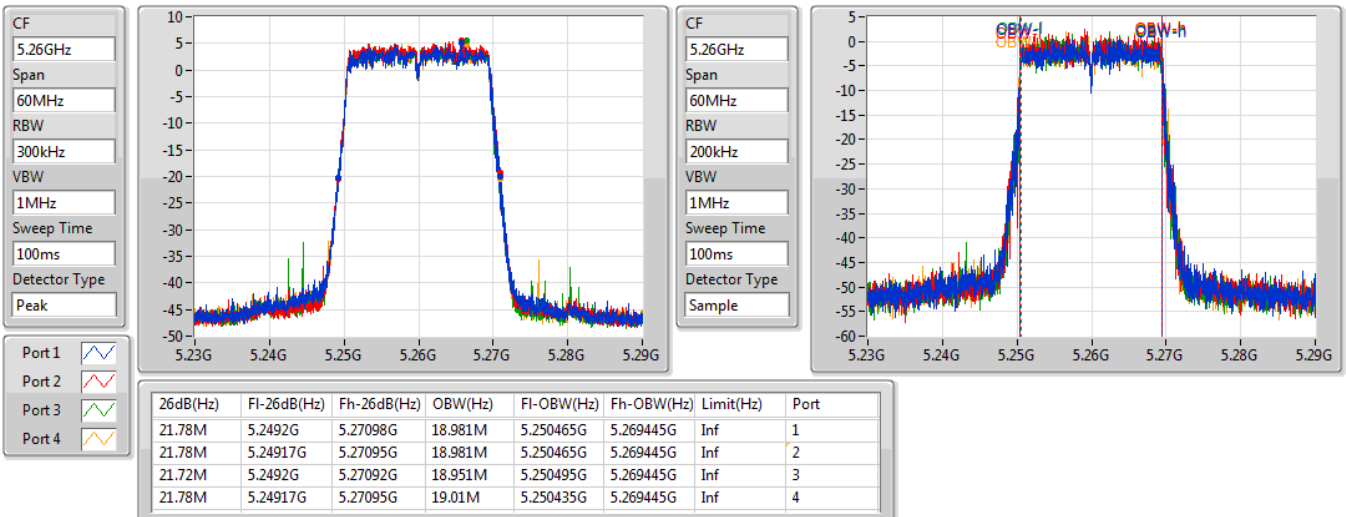


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

02/12/2019

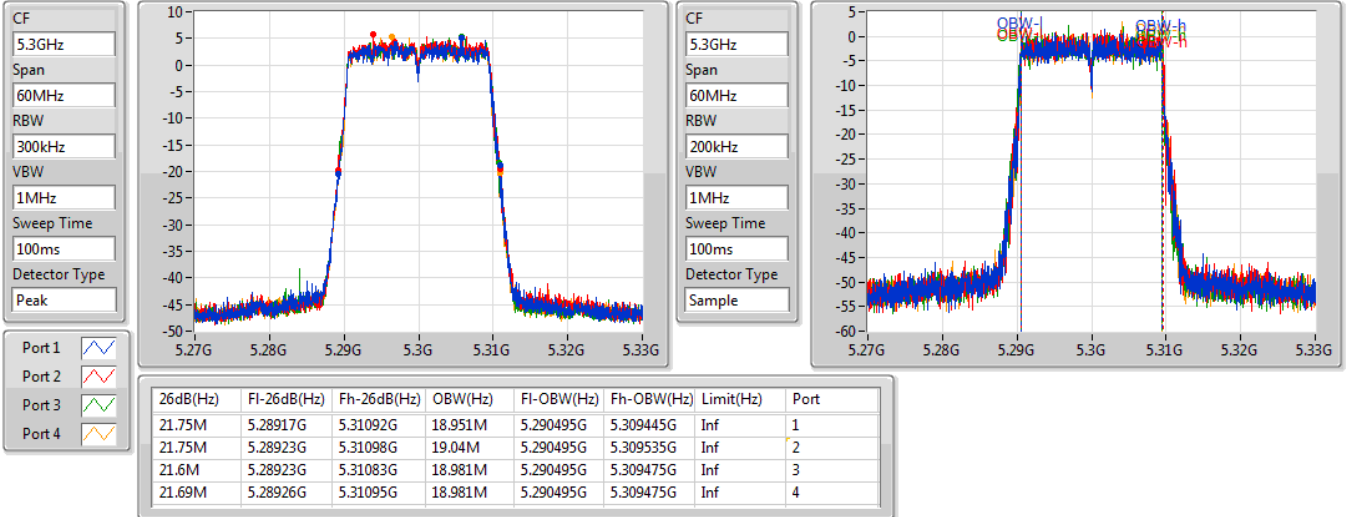


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

02/12/2019

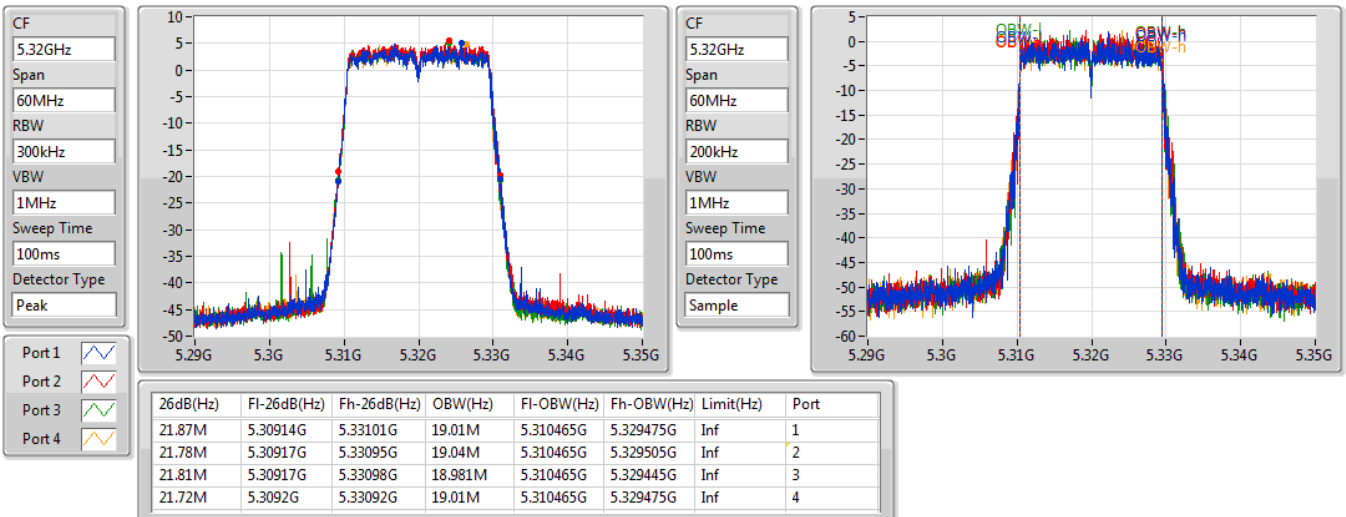


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

02/12/2019

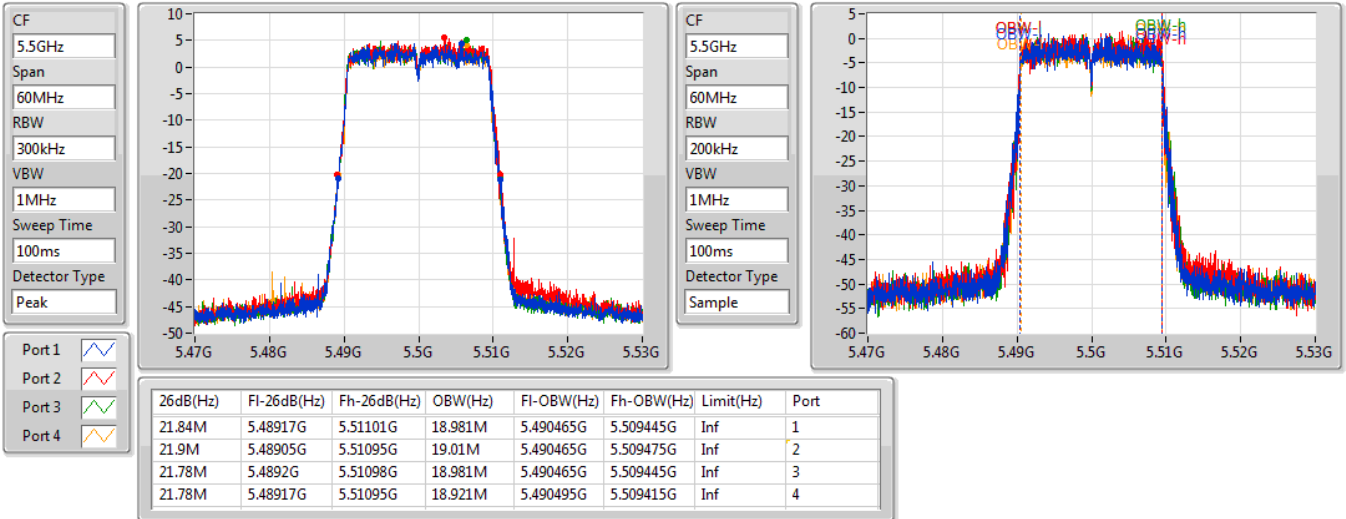


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

02/12/2019

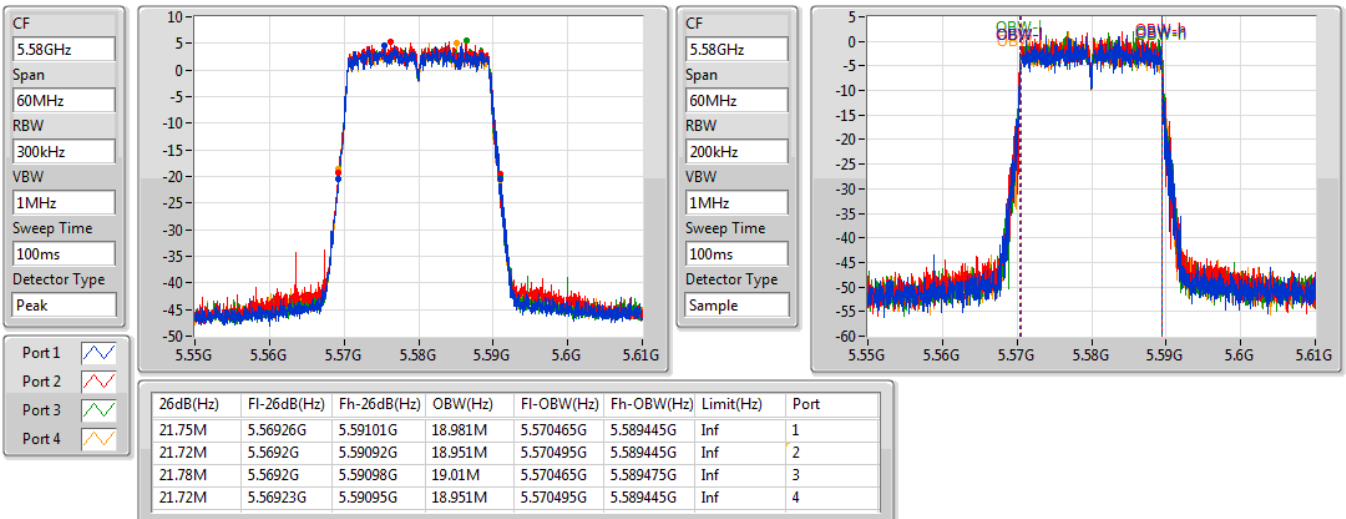


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

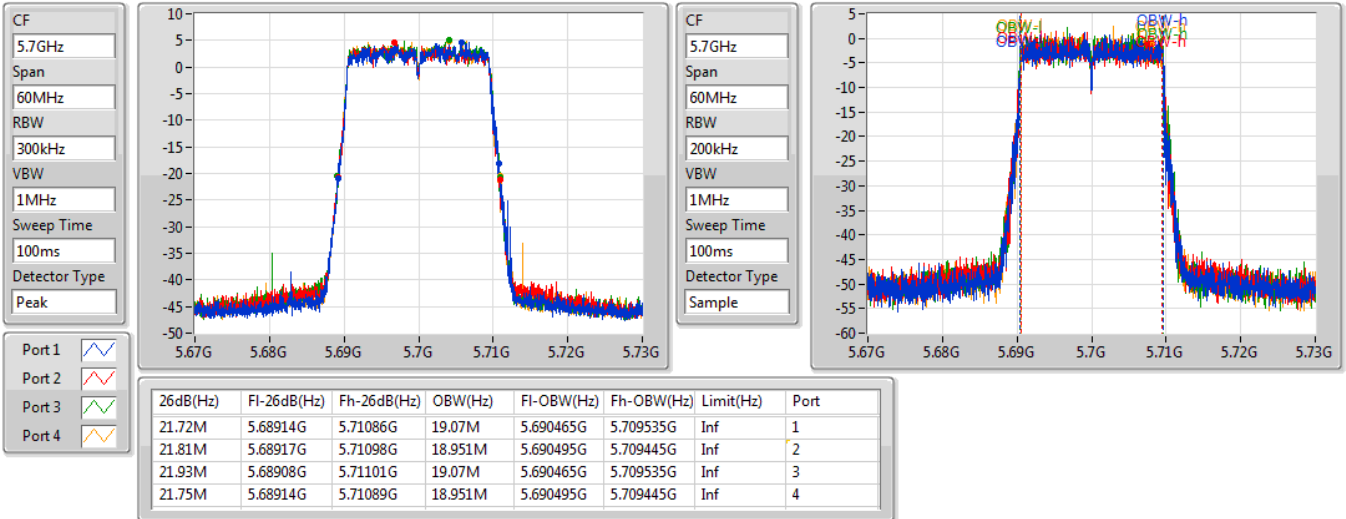
5580MHz

02/12/2019

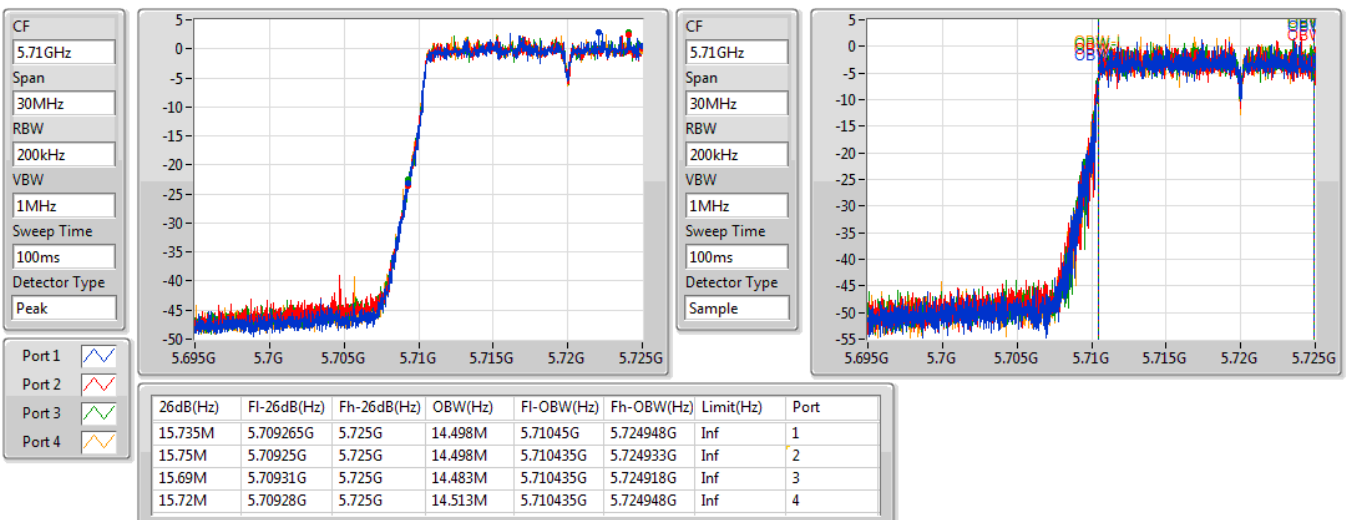


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

02/12/2019


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.67-5.725GHz

02/12/2019

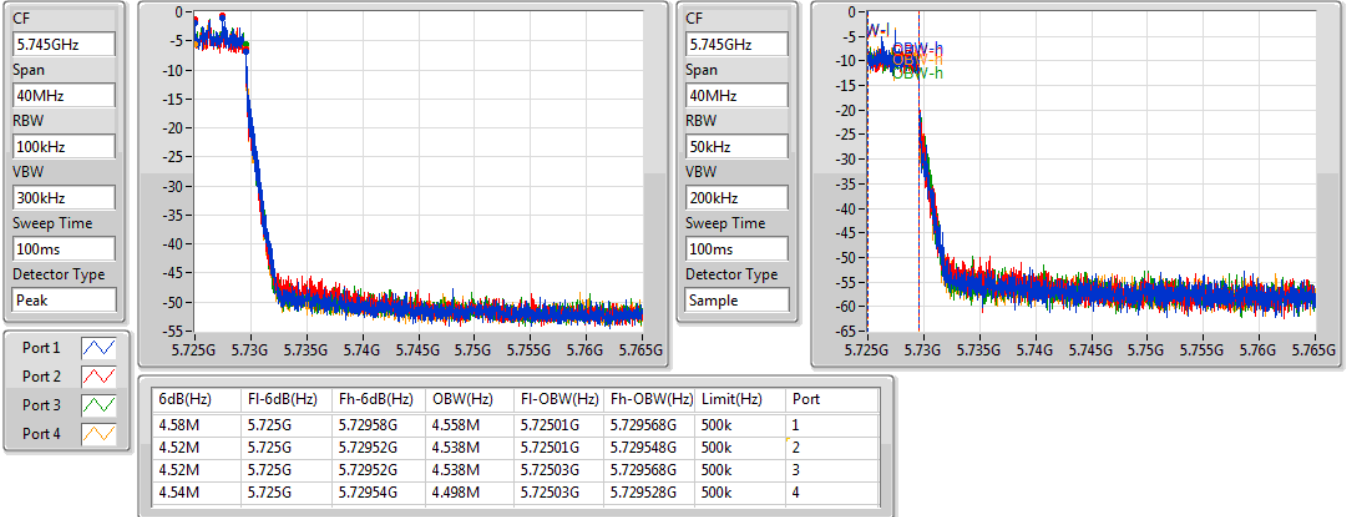


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/12/2019

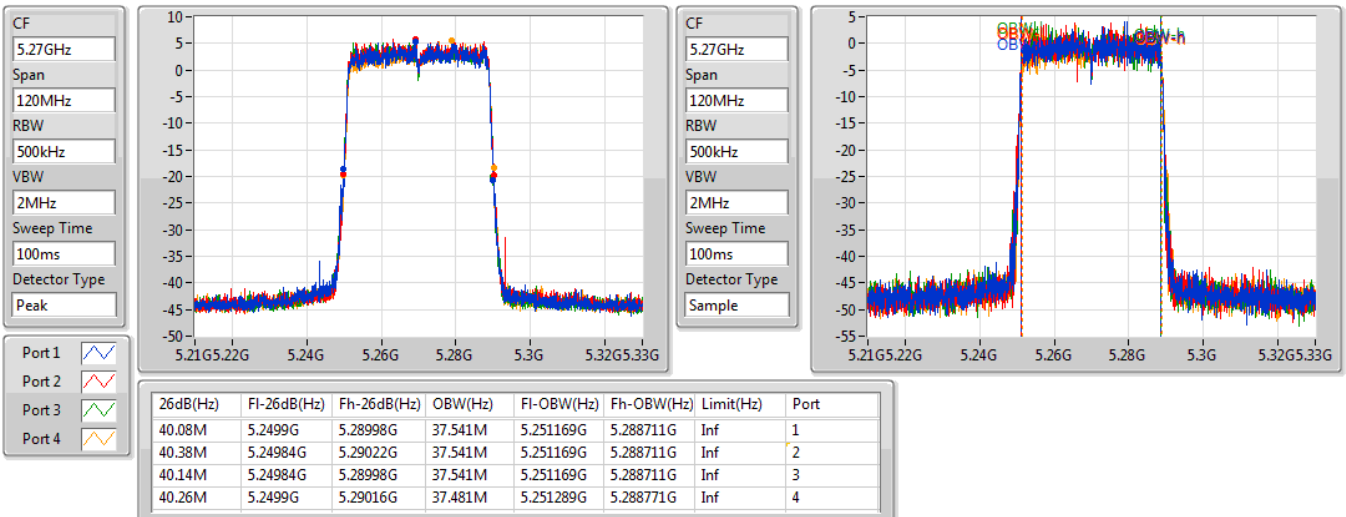


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

02/12/2019

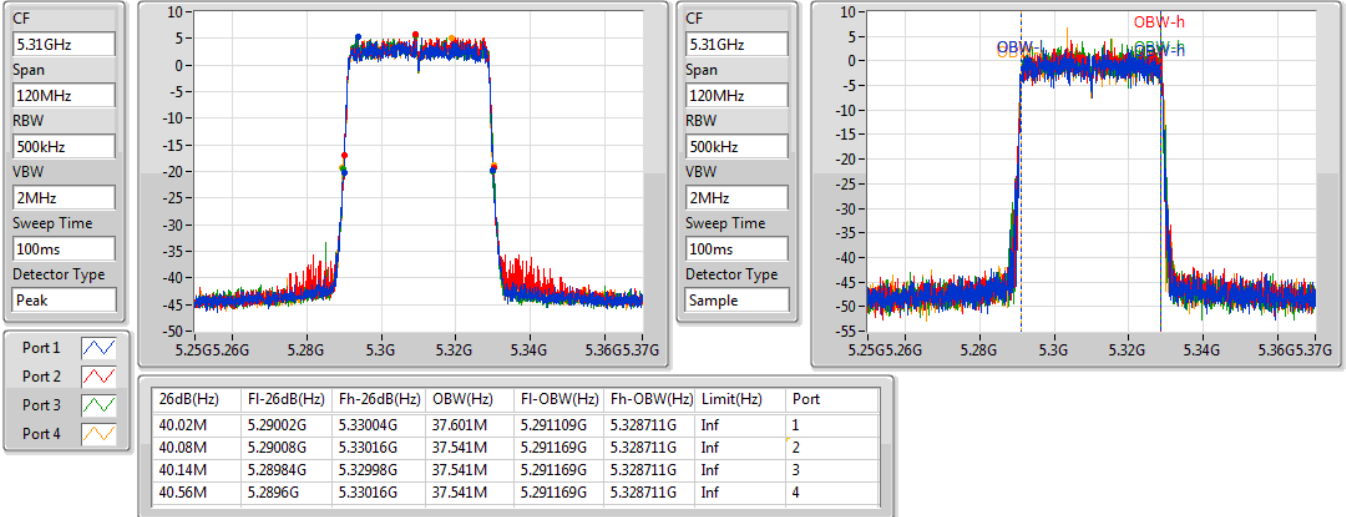


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

03/12/2019

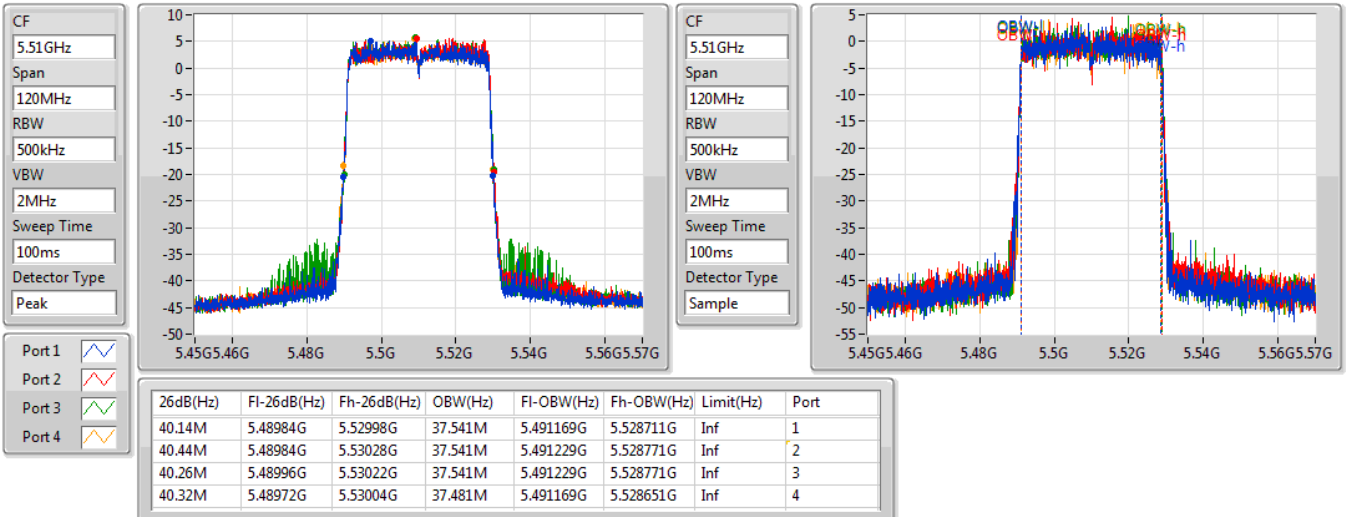


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

02/12/2019

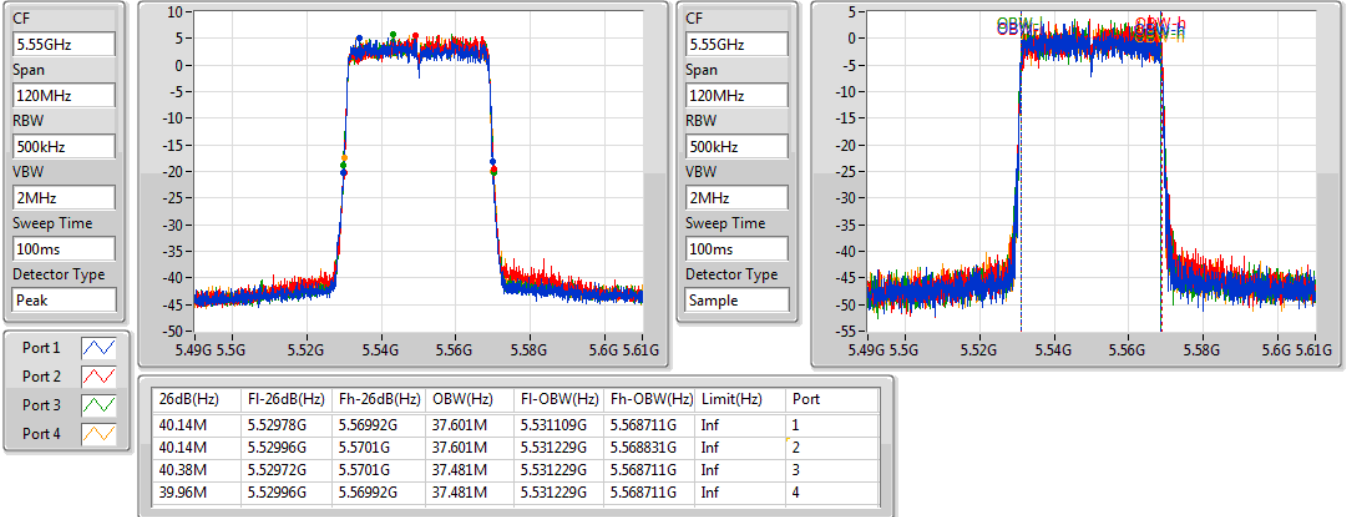


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

03/12/2019

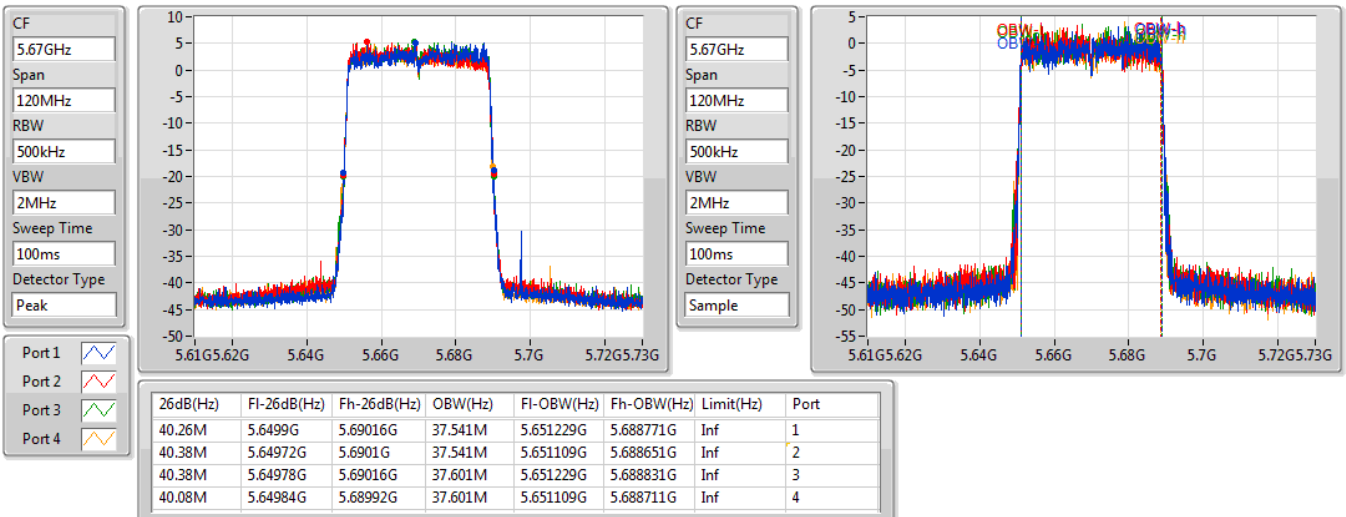


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

03/12/2019

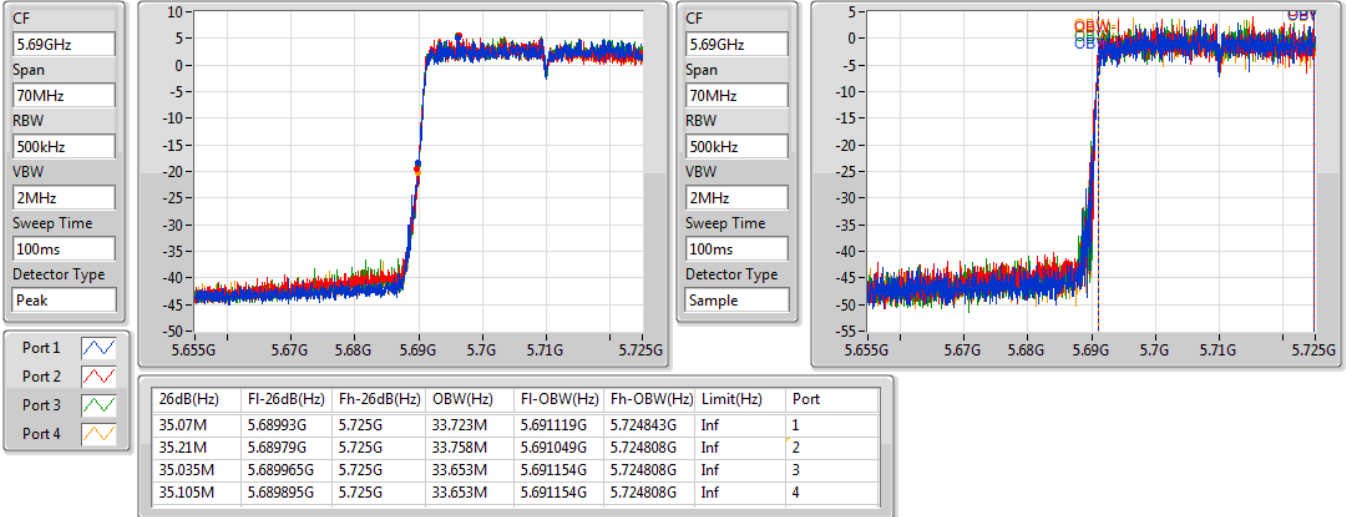


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/12/2019

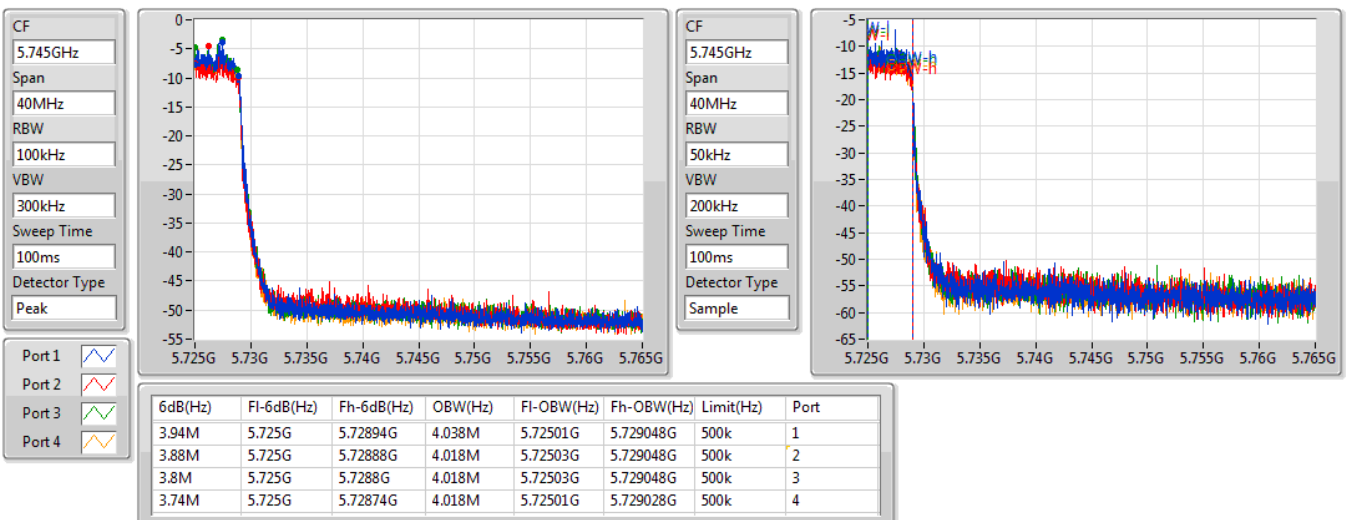


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/12/2019

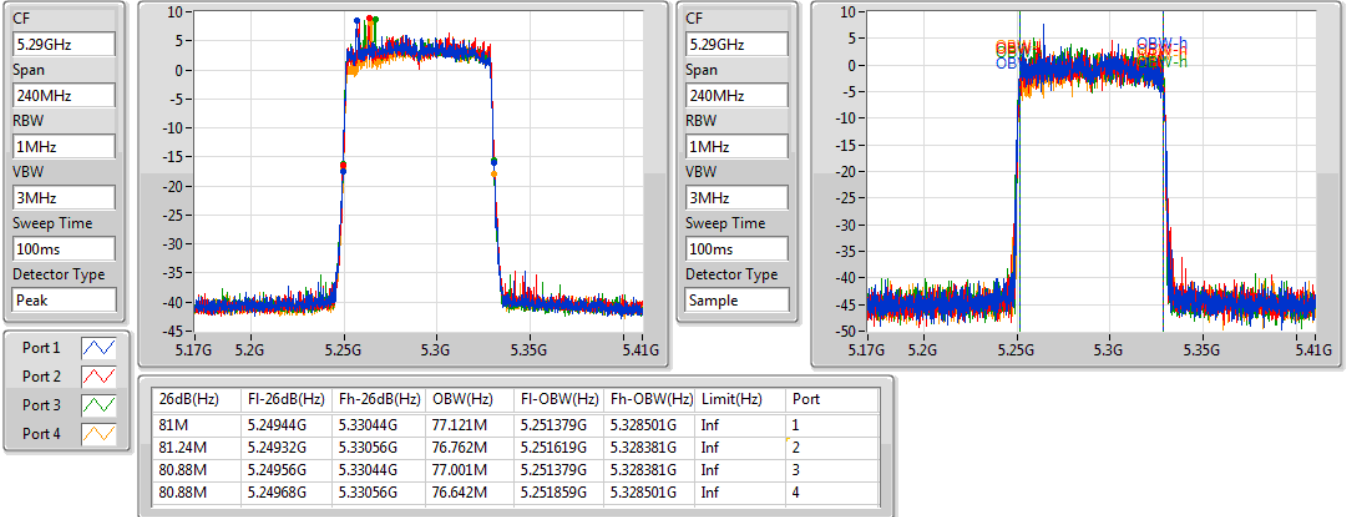


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

02/12/2019

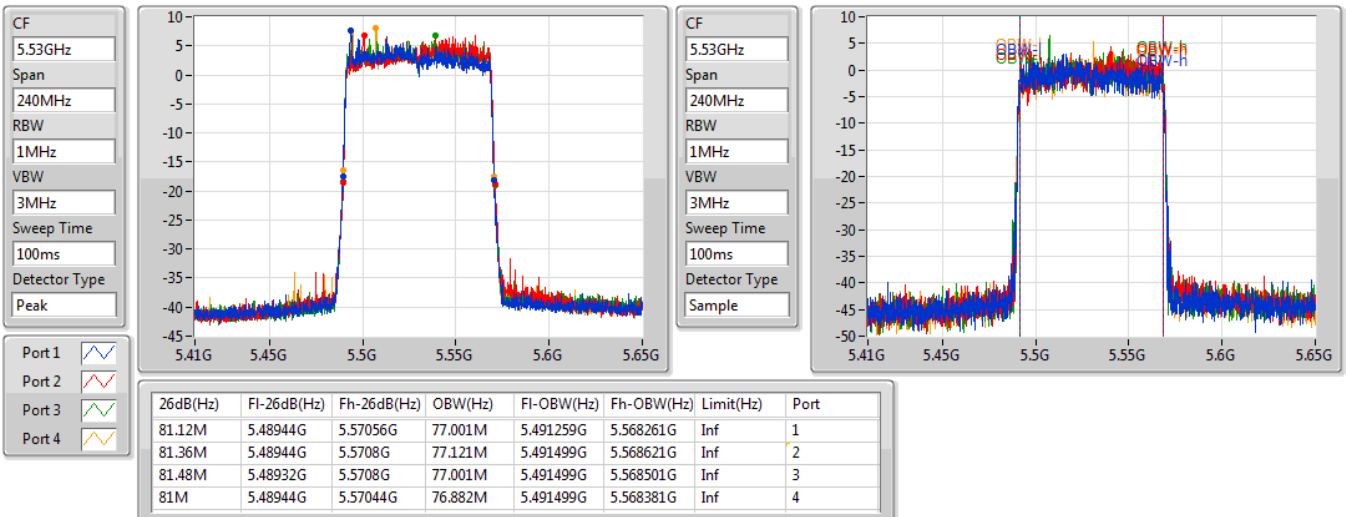


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

03/12/2019

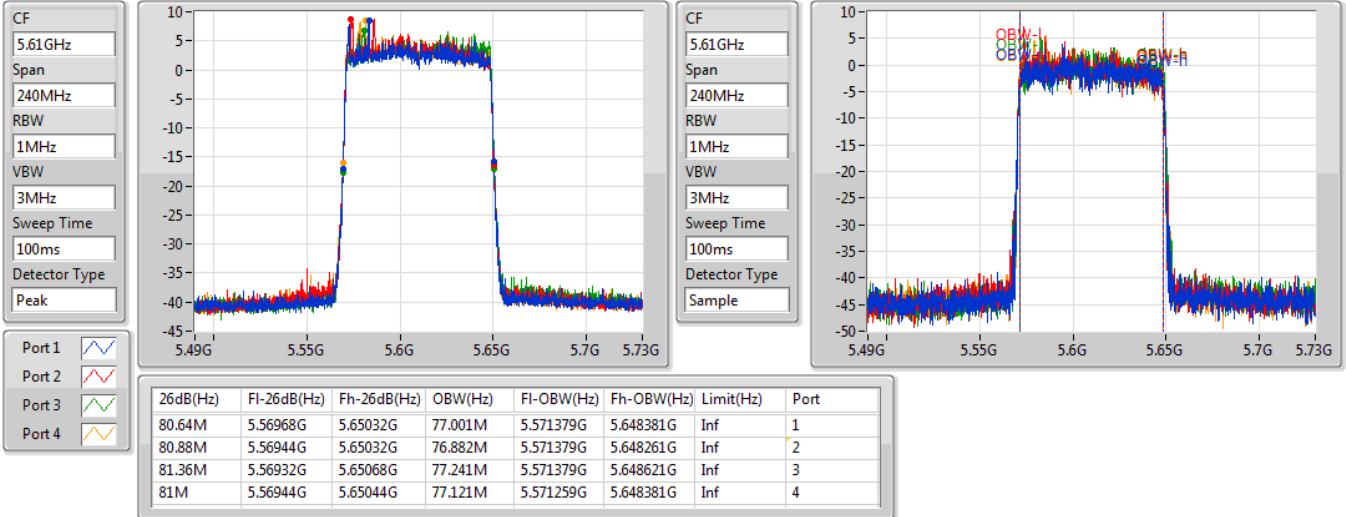


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

03/12/2019

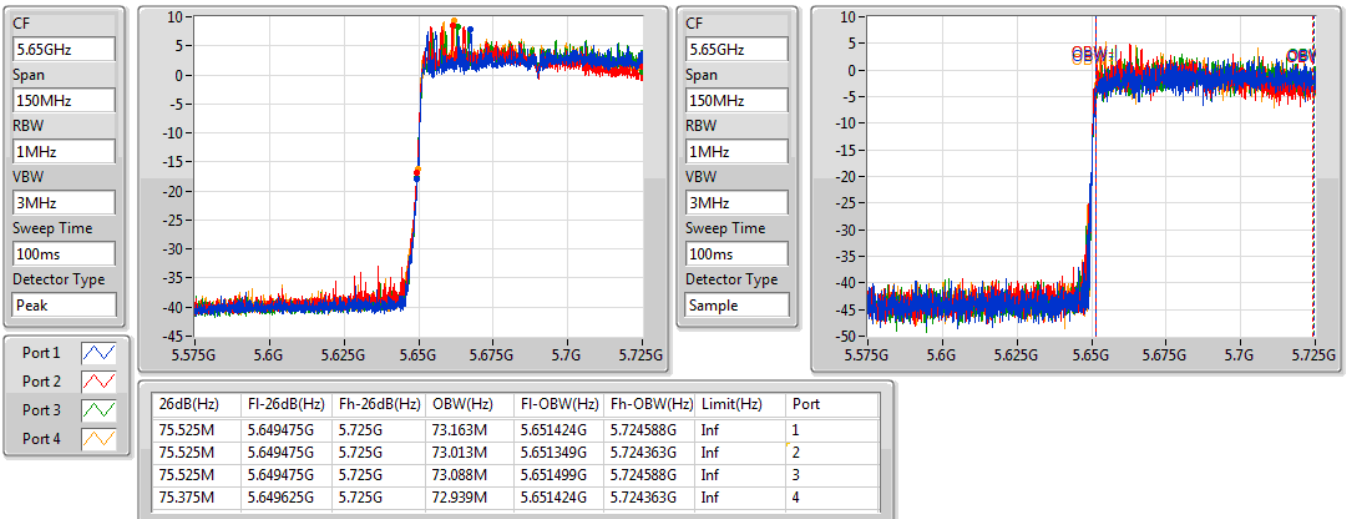


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/12/2019

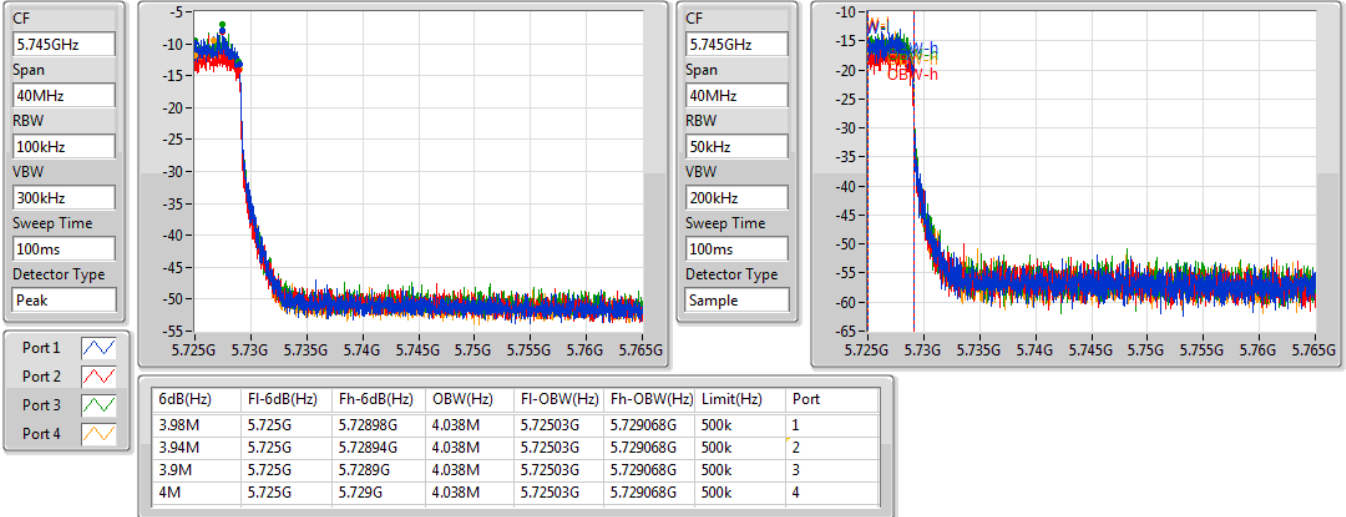


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/12/2019

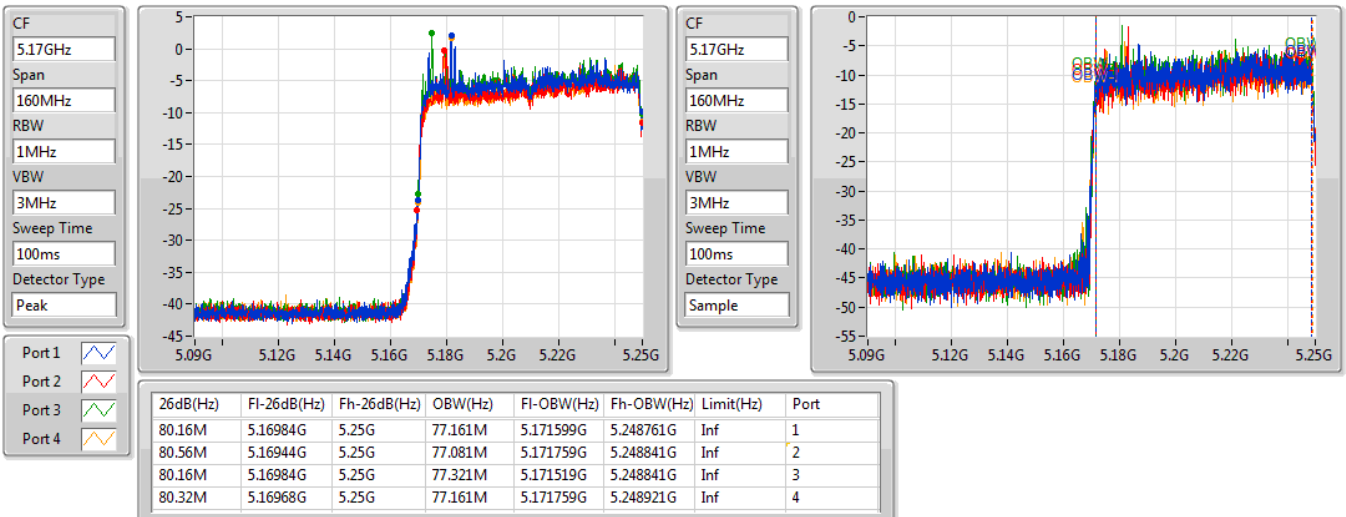


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

02/12/2019

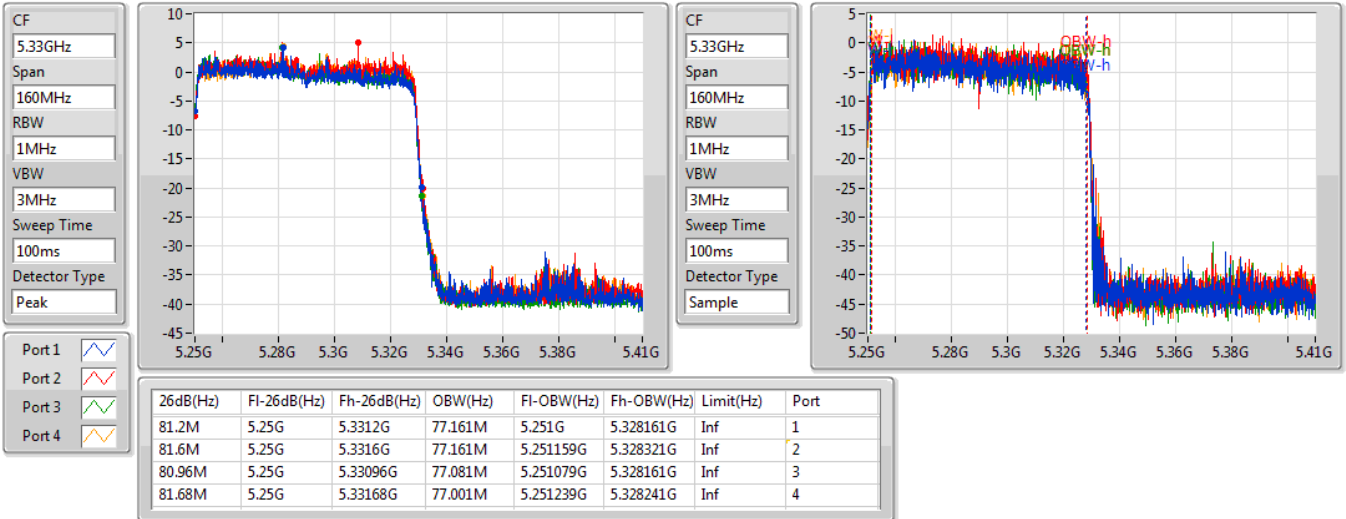


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

02/12/2019

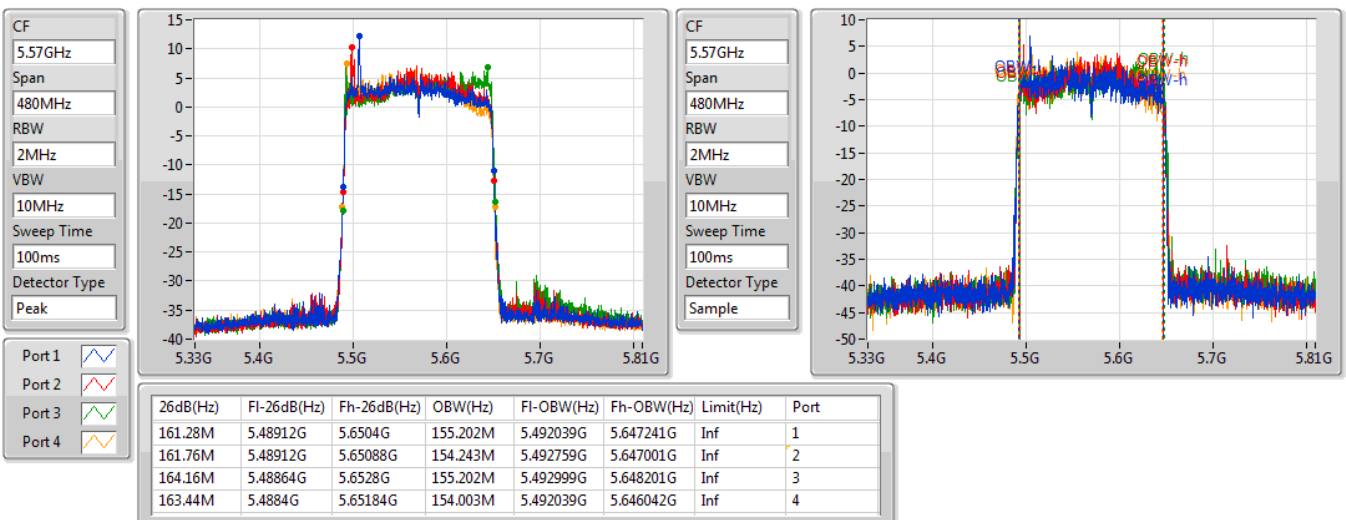


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

02/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.57M	17.931M	17M9D1D	21.48M	17.871M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.56M	36.522M	36M5D1D	39.9M	36.462M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	80.76M	76.402M	76M4D1D	80.52M	75.802M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.54M	19.13M	19M1D1D	21.36M	19.07M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.2M	37.601M	37M6D1D	40.08M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.6M	77.121M	77M1D1D	81.36M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.69M	17.931M	17M9D1D	15.785M	13.958M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.5M	36.522M	36M5D1D	34.875M	33.096M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.84M	76.402M	76M4D1D	75.175M	72.504M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.69M	19.13M	19M1D1D	15.768M	14.518M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.5M	37.661M	37M7D1D	35.063M	33.583M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.24M	77.241M	77M2D1D	75.485M	73.278M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.78M	4.468M	4M47D1D	3.78M	4.468M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.15M	3.793M	3M79D1D	3.15M	3.748M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.165M	4.093M	4M09D1D	3.15M	4.048M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.56M	4.813M	4M81D1D	4.545M	4.768M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.96M	4.138M	4M14D1D	3.87M	4.108M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	4.005M	4.228M	4M23D1D	3.975M	4.183M

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)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.57M	17.901M	21.48M	17.871M
5300MHz	Pass	Inf	21.57M	17.901M	21.51M	17.871M
5320MHz	Pass	Inf	21.57M	17.901M	21.48M	17.931M
5500MHz	Pass	Inf	21.48M	17.901M	21.66M	17.931M
5580MHz	Pass	Inf	21.69M	17.871M	21.54M	17.931M
5700MHz	Pass	Inf	21.51M	17.871M	21.51M	17.901M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	13.958M	15.82M	14.063M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.468M	3.78M	4.468M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.56M	36.522M	39.9M	36.462M
5310MHz	Pass	Inf	40.32M	36.462M	39.96M	36.462M
5510MHz	Pass	Inf	40.14M	36.462M	39.66M	36.462M
5550MHz	Pass	Inf	40.5M	36.522M	39.78M	36.462M
5670MHz	Pass	Inf	40.08M	36.522M	40.02M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.25M	33.133M	34.875M	33.096M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.793M	3.15M	3.748M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	80.76M	75.802M	80.52M	76.402M
5530MHz	Pass	Inf	81.84M	76.162M	80.28M	76.402M
5610MHz	Pass	Inf	80.4M	75.922M	81M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.175M	72.504M	75.253M	72.736M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	4.048M	3.15M	4.093M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.54M	19.13M	21.39M	19.07M
5300MHz	Pass	Inf	21.54M	19.1M	21.42M	19.13M
5320MHz	Pass	Inf	21.54M	19.13M	21.36M	19.13M
5500MHz	Pass	Inf	21.51M	19.13M	21.69M	19.13M
5580MHz	Pass	Inf	21.51M	19.07M	21.48M	19.13M
5700MHz	Pass	Inf	21.48M	19.1M	21.57M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.768M	14.518M	15.785M	14.535M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.545M	4.768M	4.56M	4.813M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	37.541M	40.08M	37.541M
5310MHz	Pass	Inf	40.14M	37.601M	40.2M	37.541M
5510MHz	Pass	Inf	40.14M	37.541M	40.32M	37.541M
5550MHz	Pass	Inf	40.5M	37.601M	40.32M	37.661M
5670MHz	Pass	Inf	40.32M	37.661M	40.08M	37.601M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.658M	35.4M	33.583M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.138M	3.87M	4.108M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	77.121M	81.36M	77.001M
5530MHz	Pass	Inf	80.88M	77.121M	81.12M	77.001M
5610MHz	Pass	Inf	81.12M	77.241M	81.24M	77.001M



EBW_Beamforming_Sample 1_Radio 3_2T1S

Appendix A.20

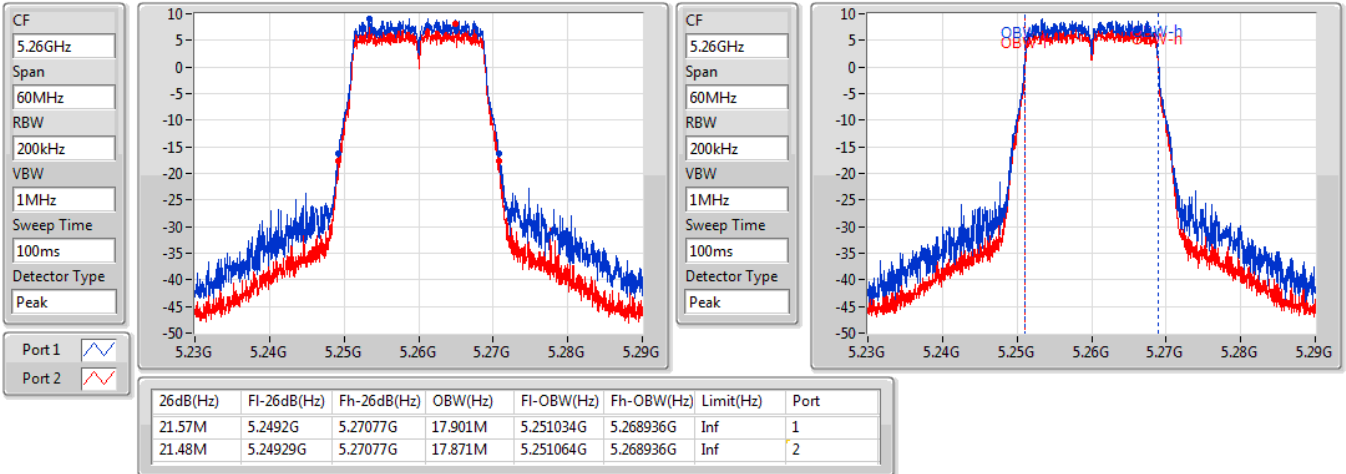
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.485M	73.278M	75.563M	73.278M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.005M	4.183M	3.975M	4.228M

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

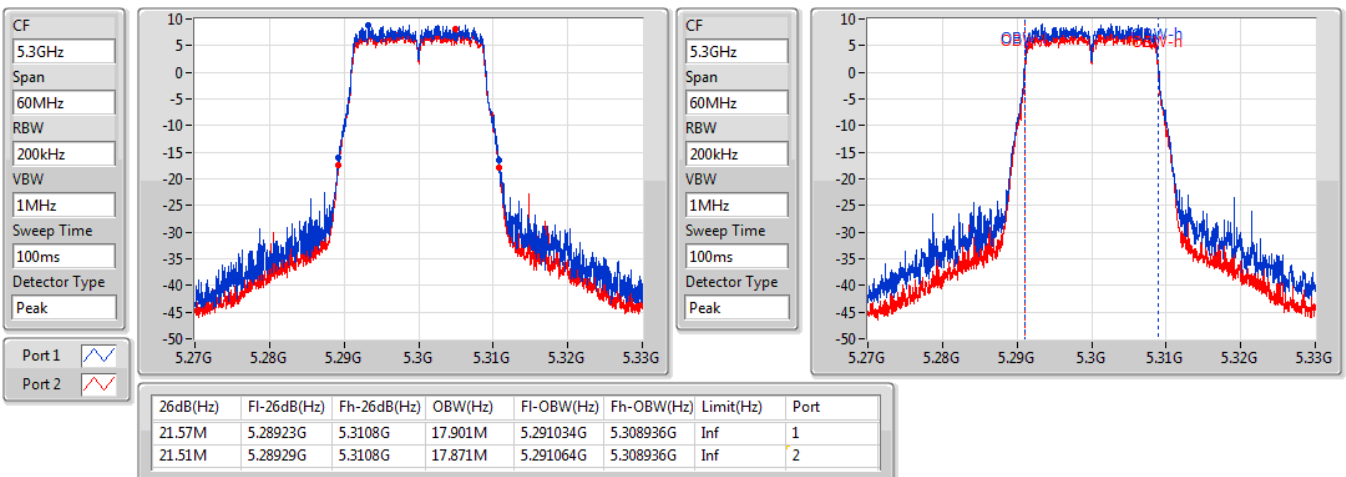
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

04/12/2019


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

04/12/2019

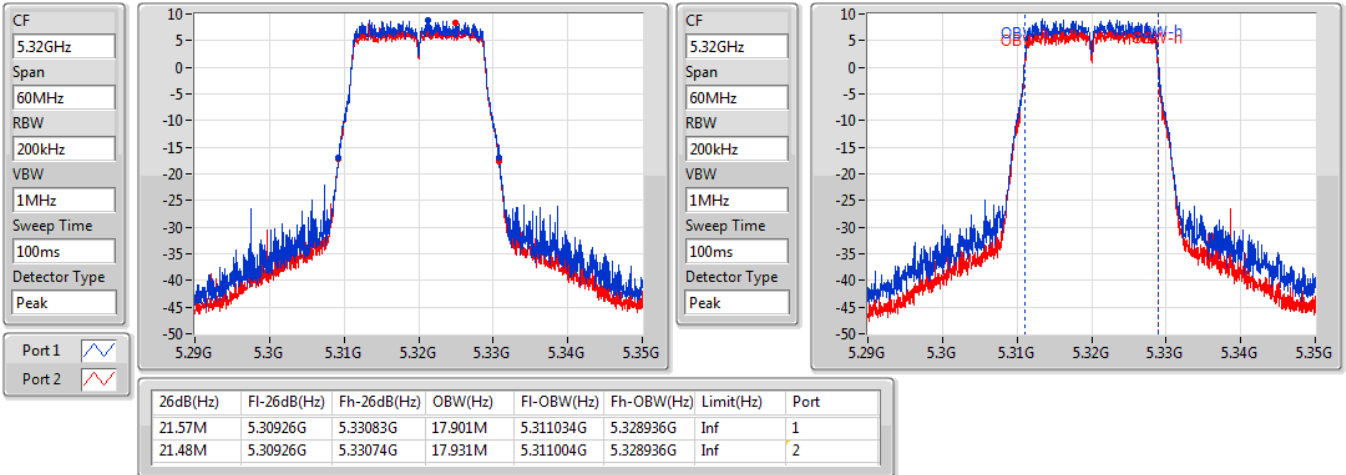


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

04/12/2019

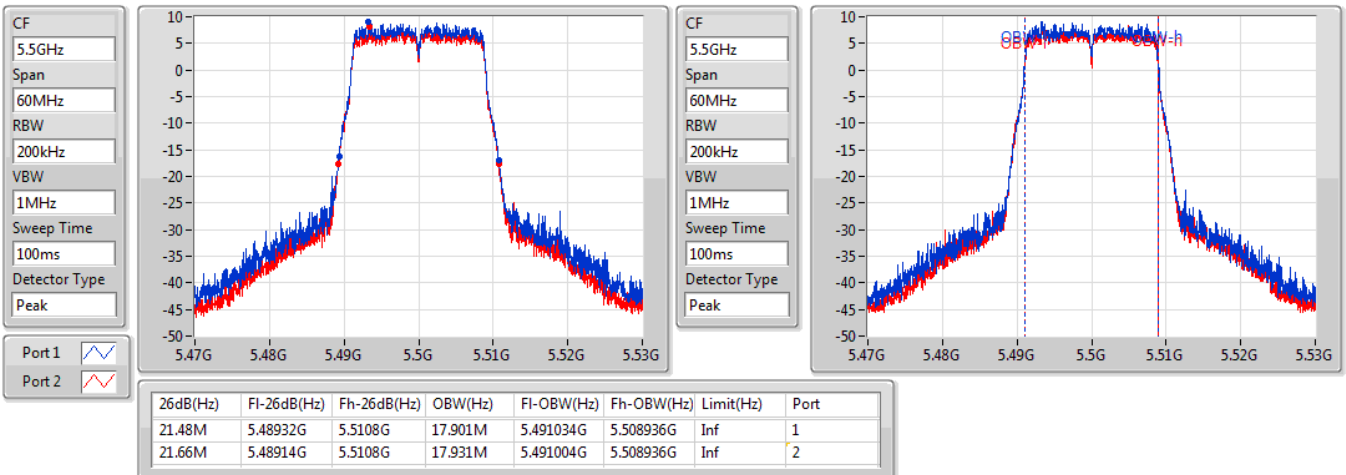


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5500MHz

04/12/2019

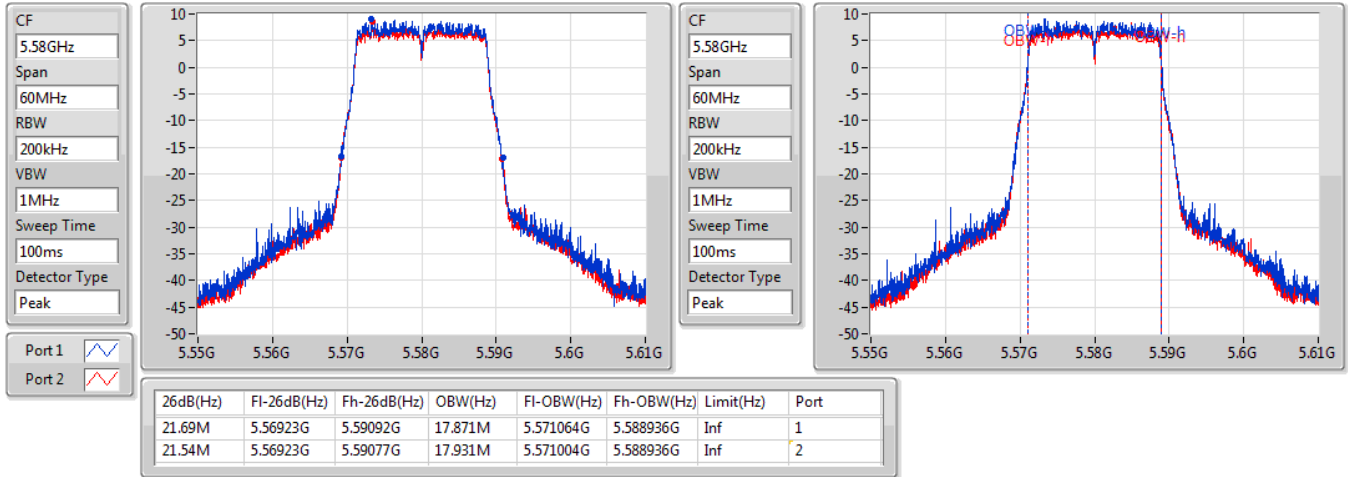


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5580MHz

04/12/2019

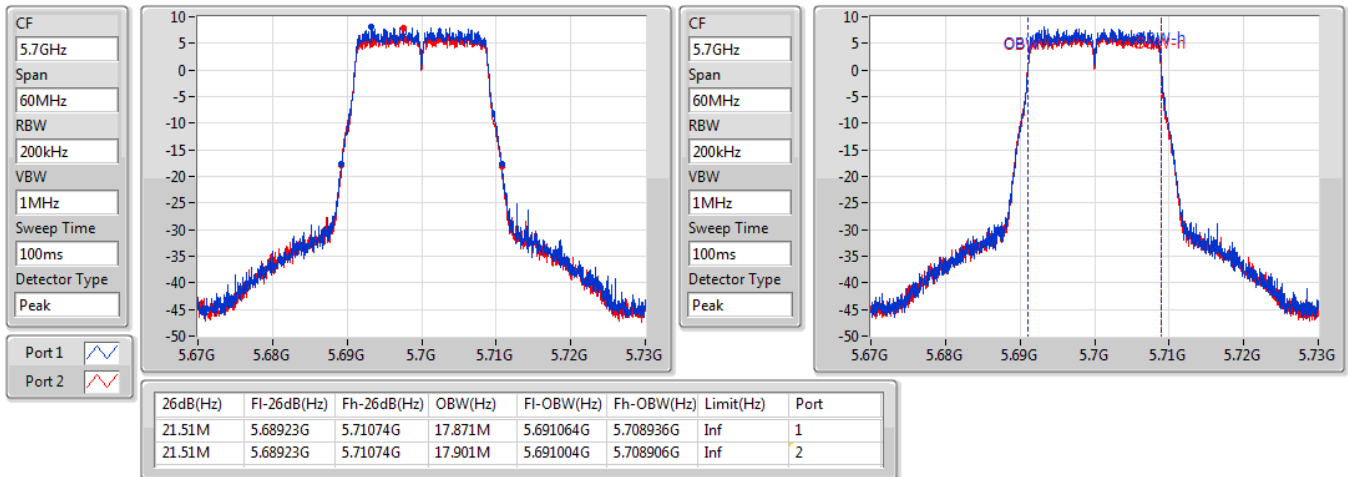


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5700MHz

04/12/2019

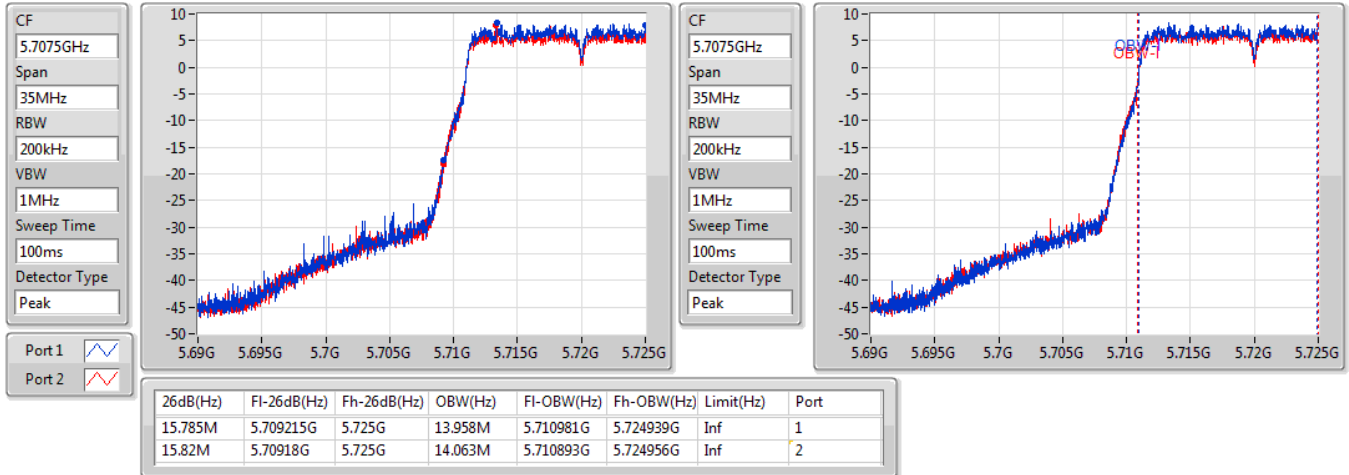


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/12/2019

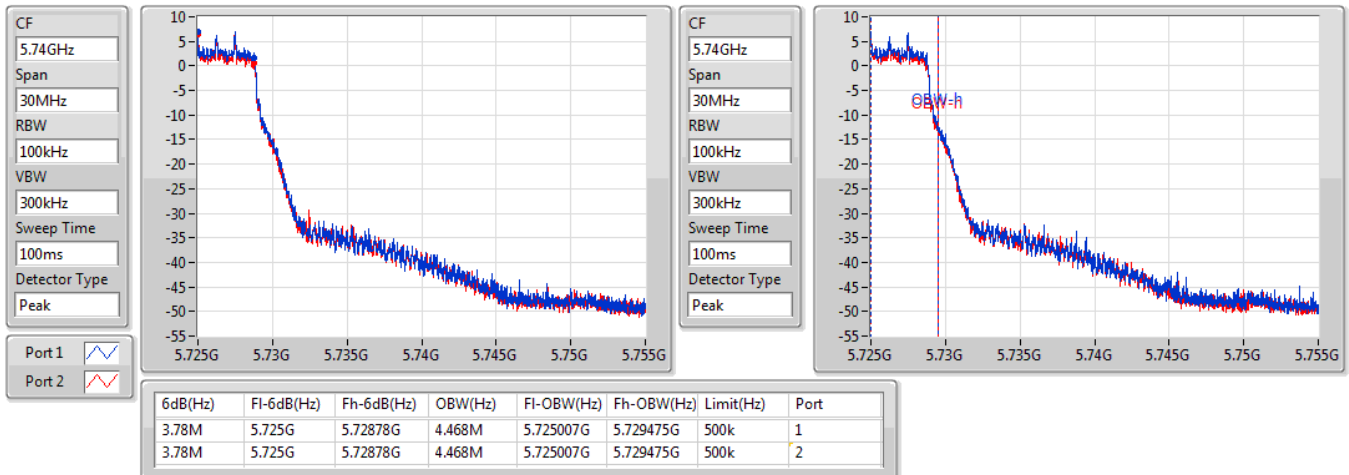


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/12/2019

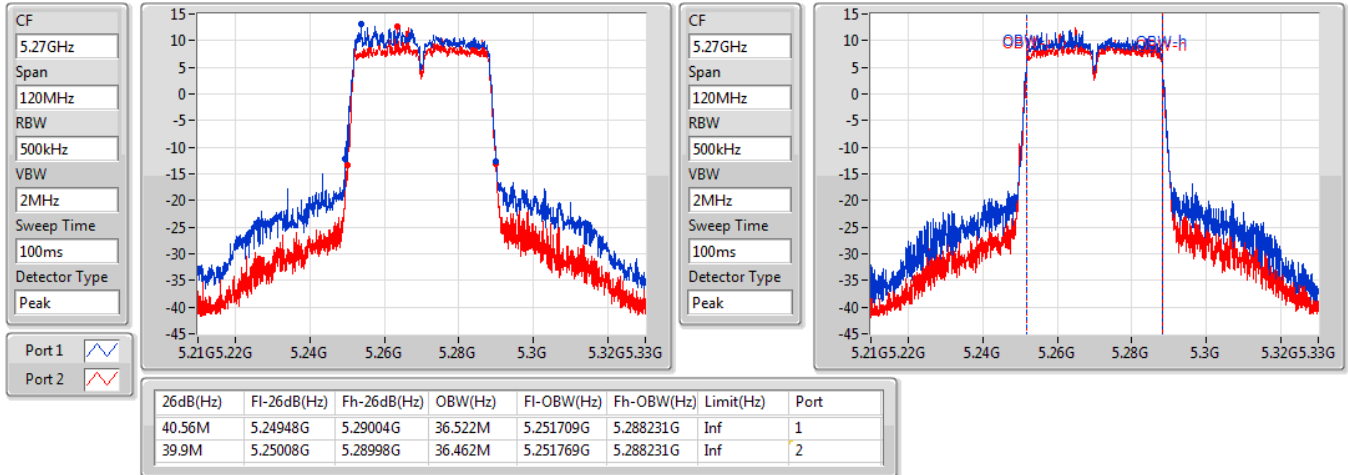


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5270MHz

04/12/2019

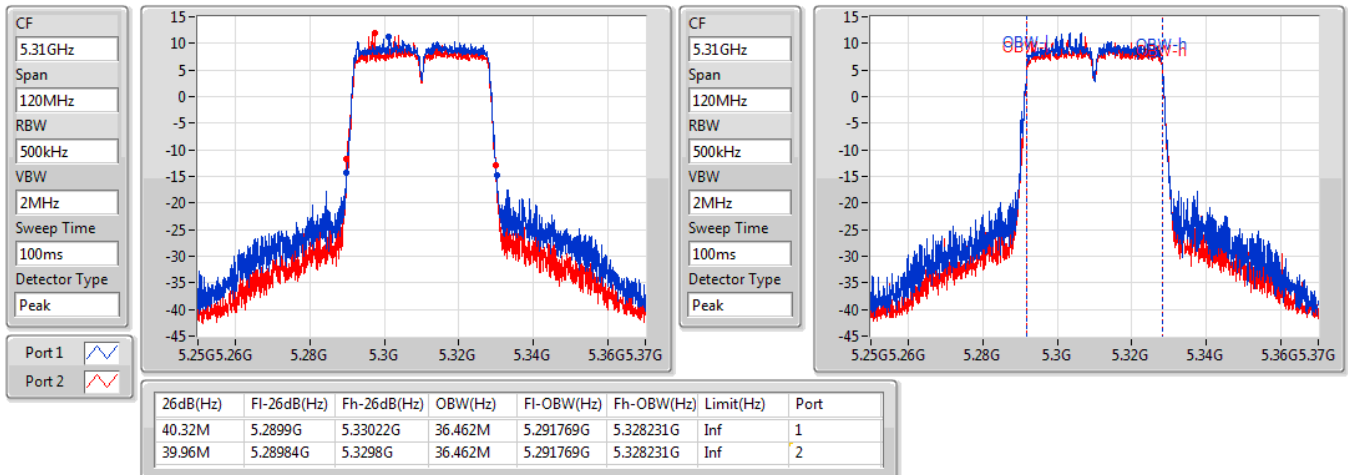


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5310MHz

04/12/2019

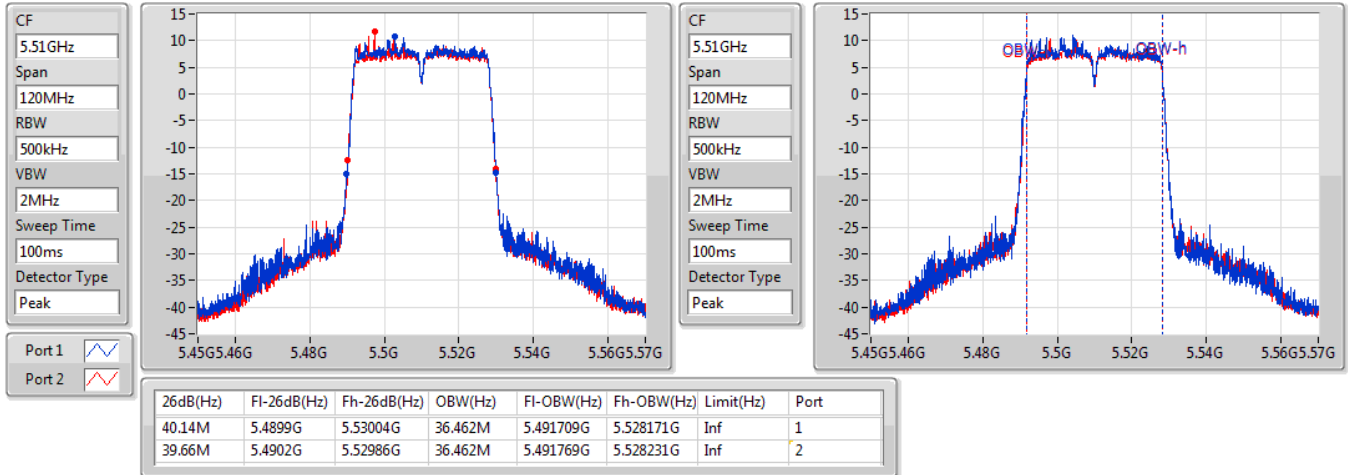


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5510MHz

04/12/2019

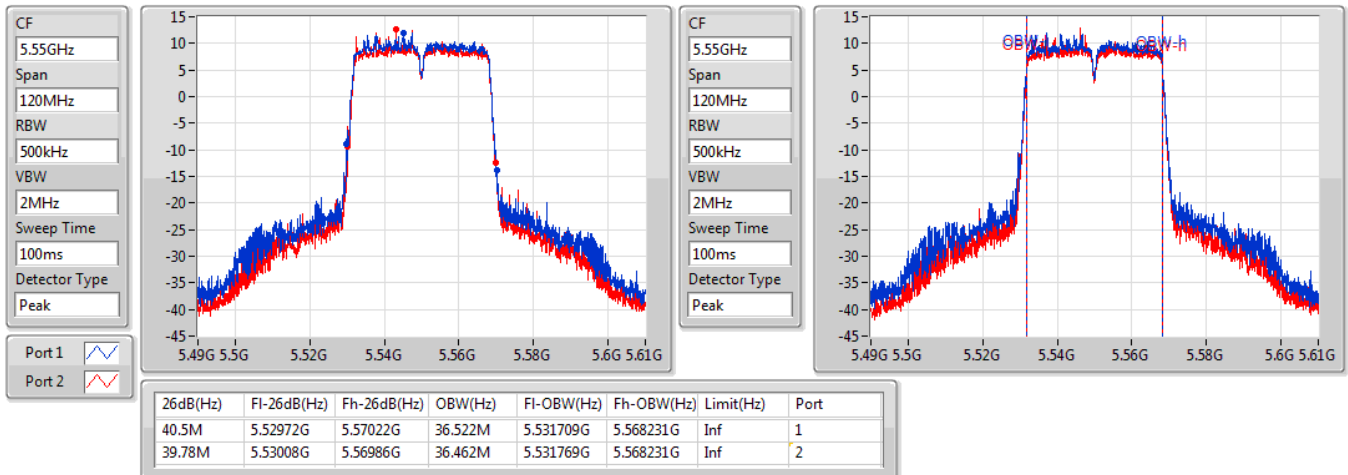


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5550MHz

04/12/2019

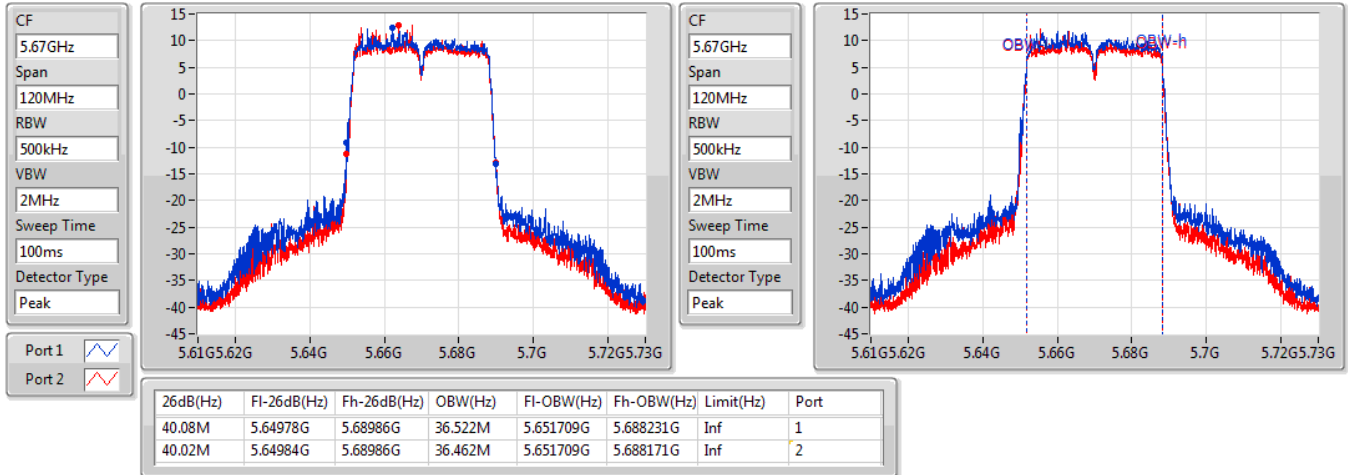


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5670MHz

04/12/2019

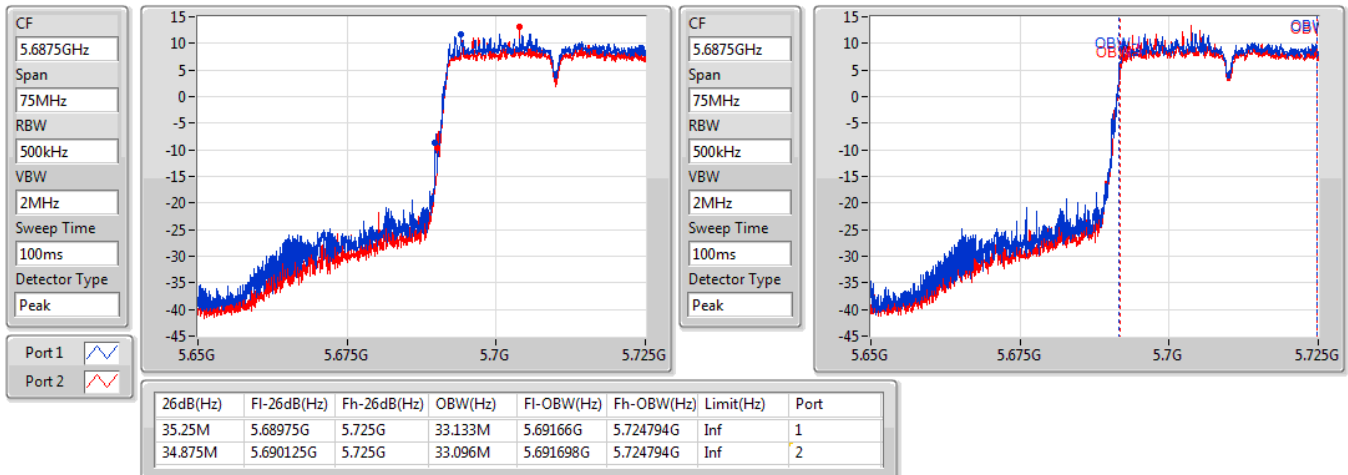


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

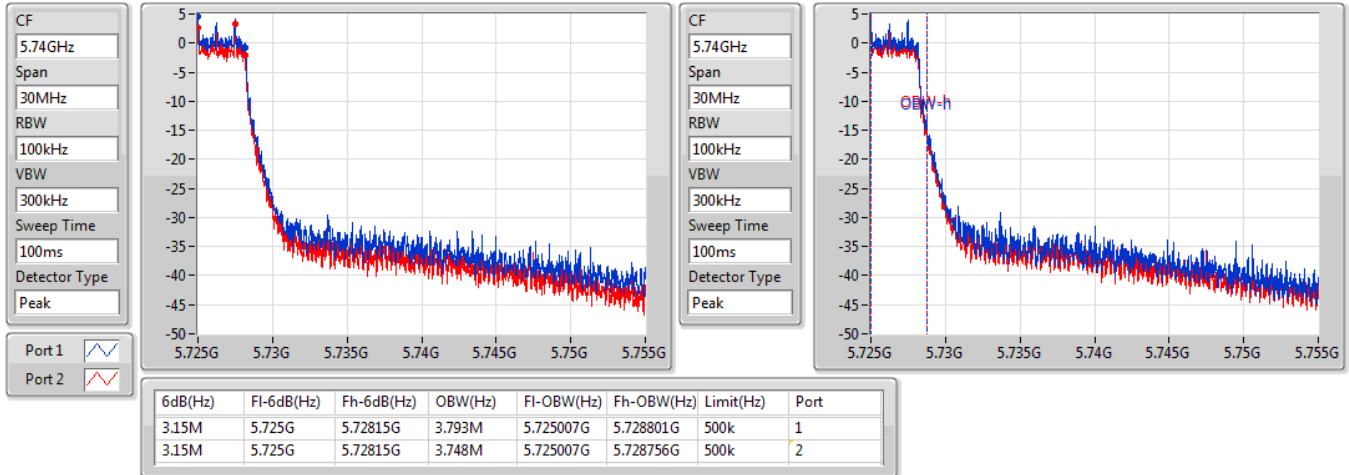
5710MHz Straddle 5.47-5.725GHz

04/12/2019

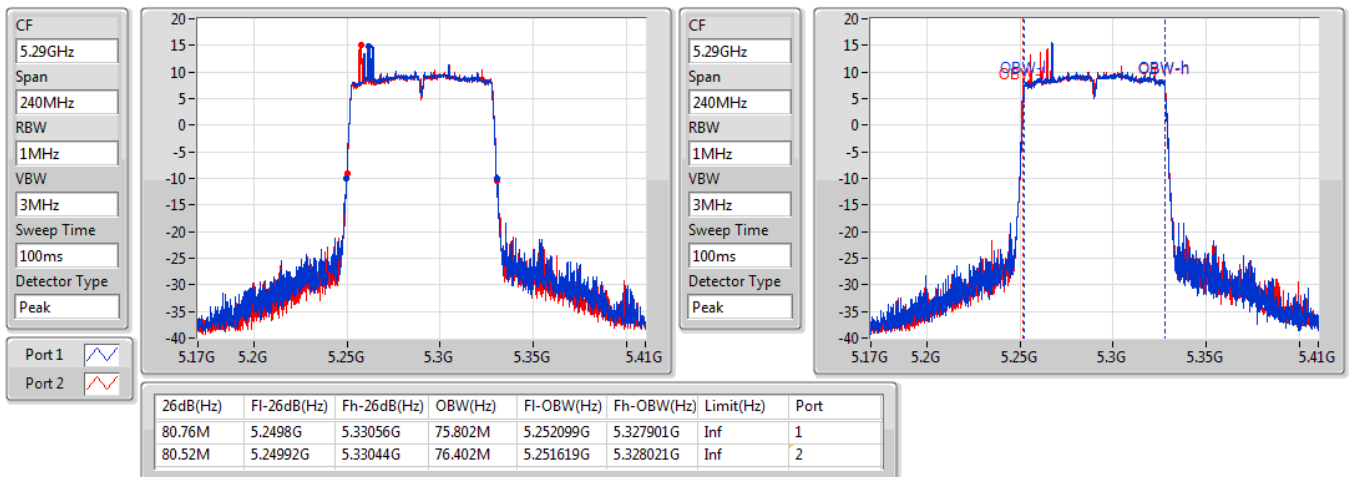


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

04/12/2019


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

04/12/2019

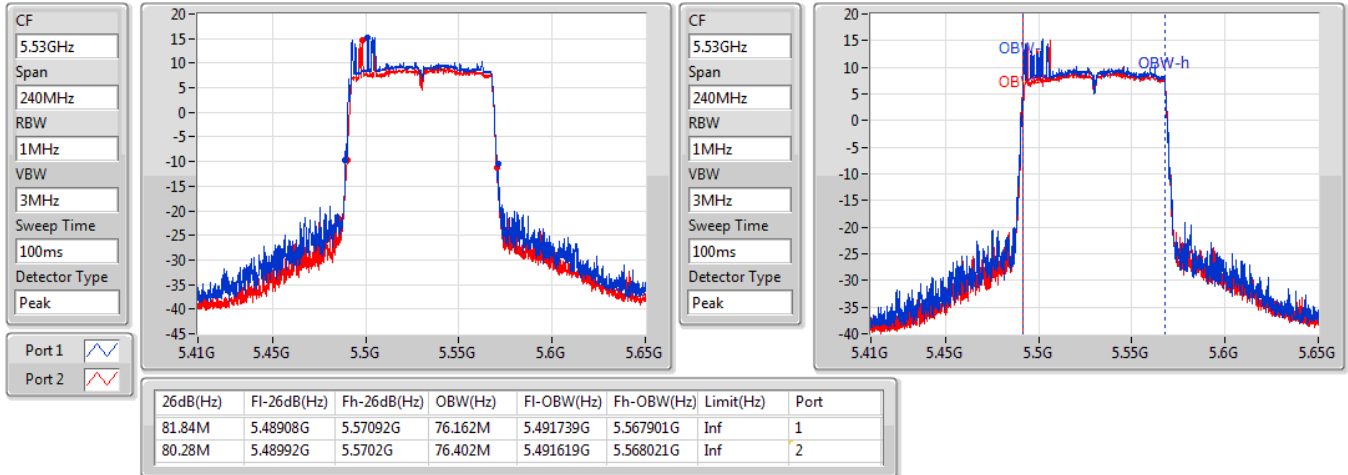


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5530MHz

04/12/2019

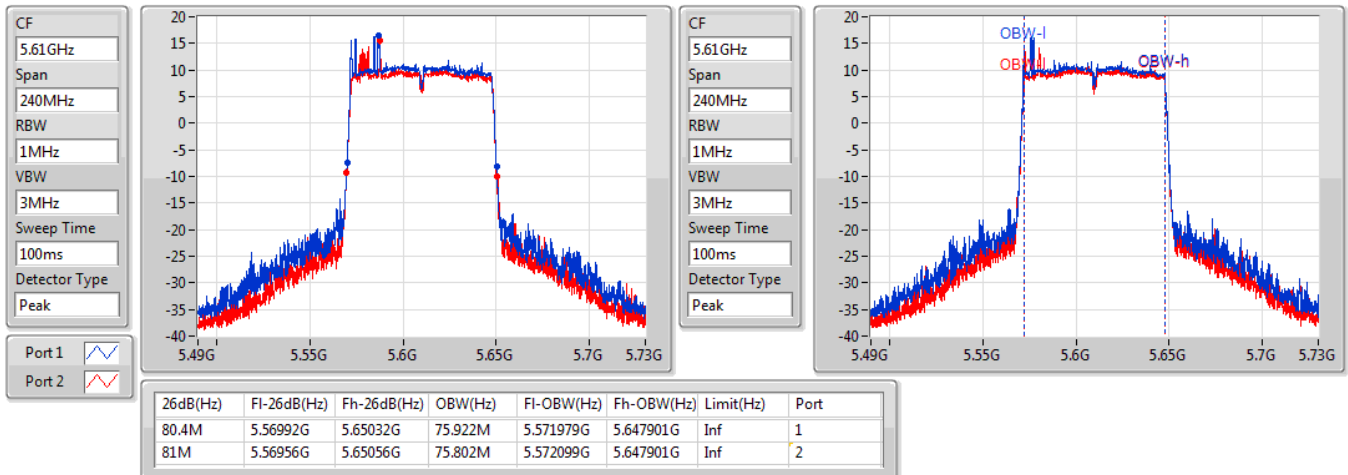


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5610MHz

04/12/2019

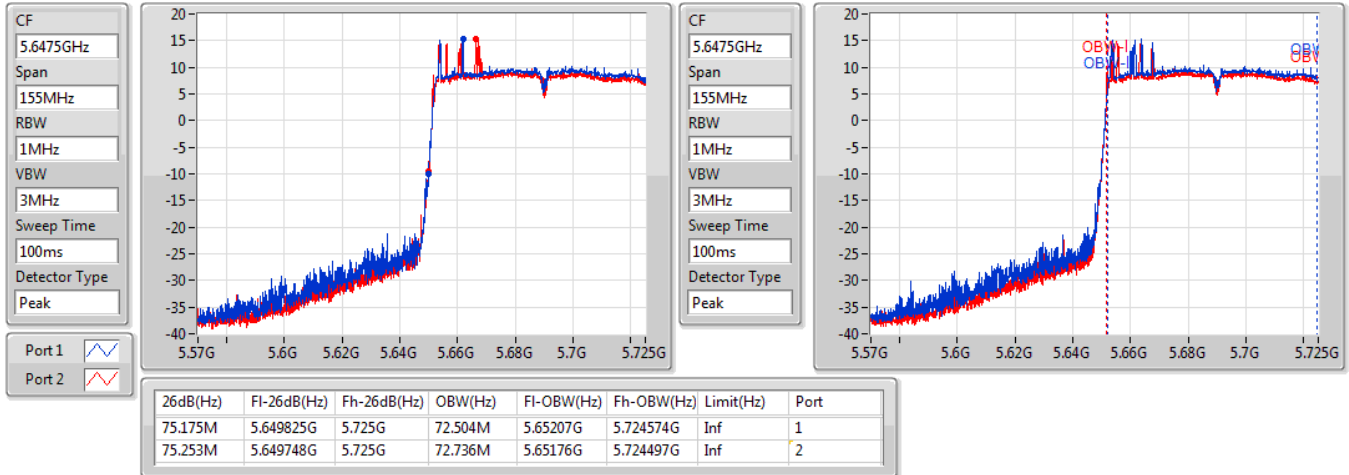


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

04/12/2019

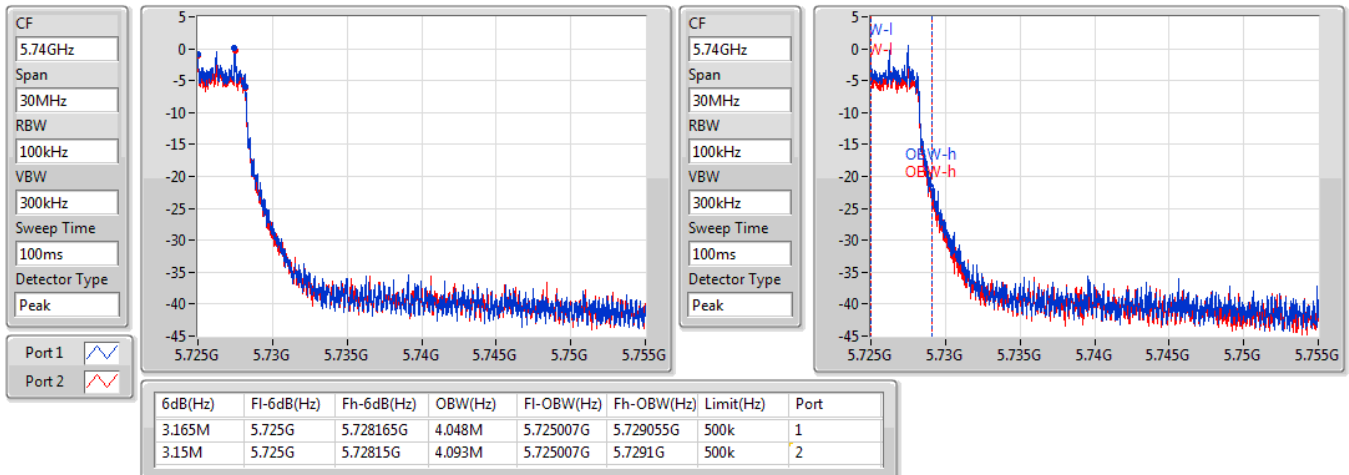


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/12/2019

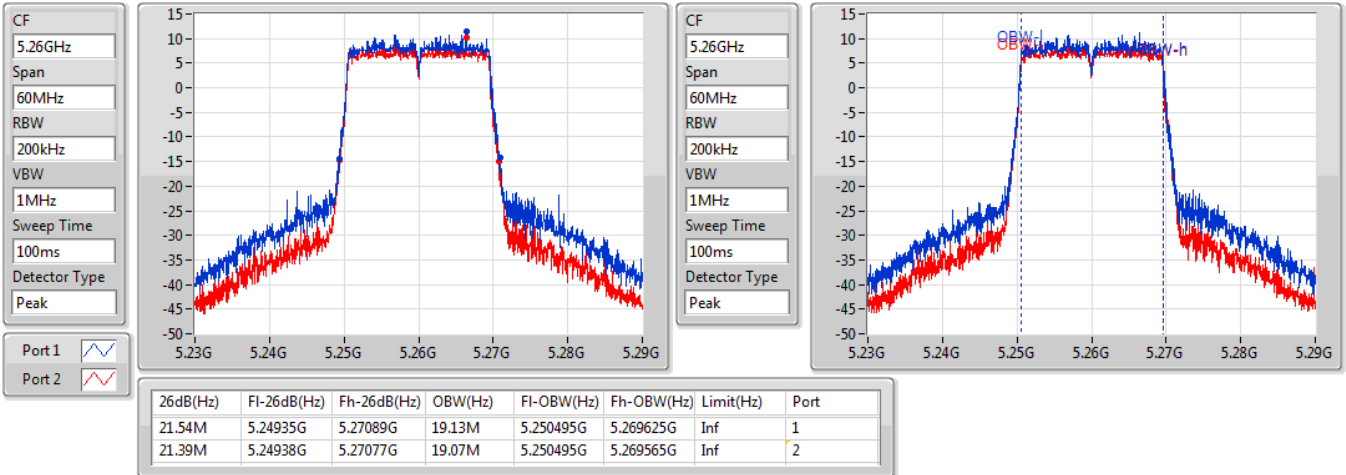


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5260MHz

04/12/2019

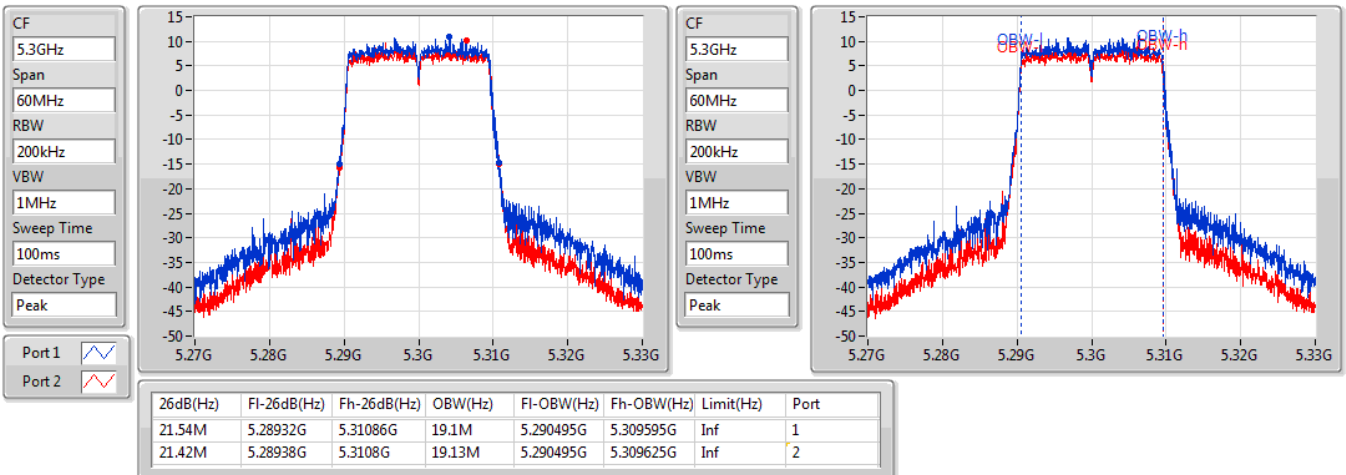


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5300MHz

04/12/2019

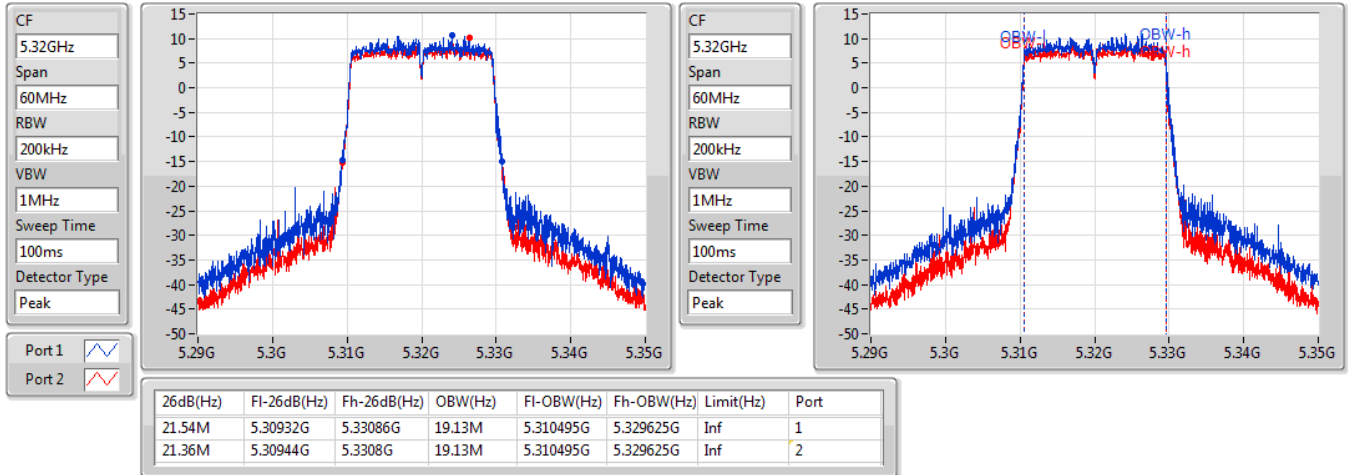


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

04/12/2019

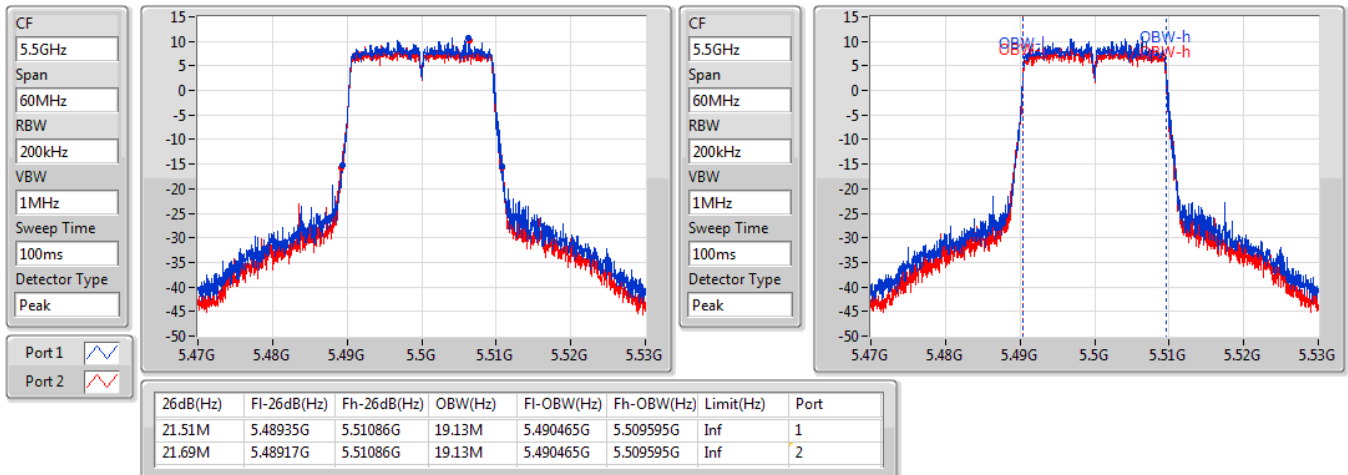


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5500MHz

04/12/2019

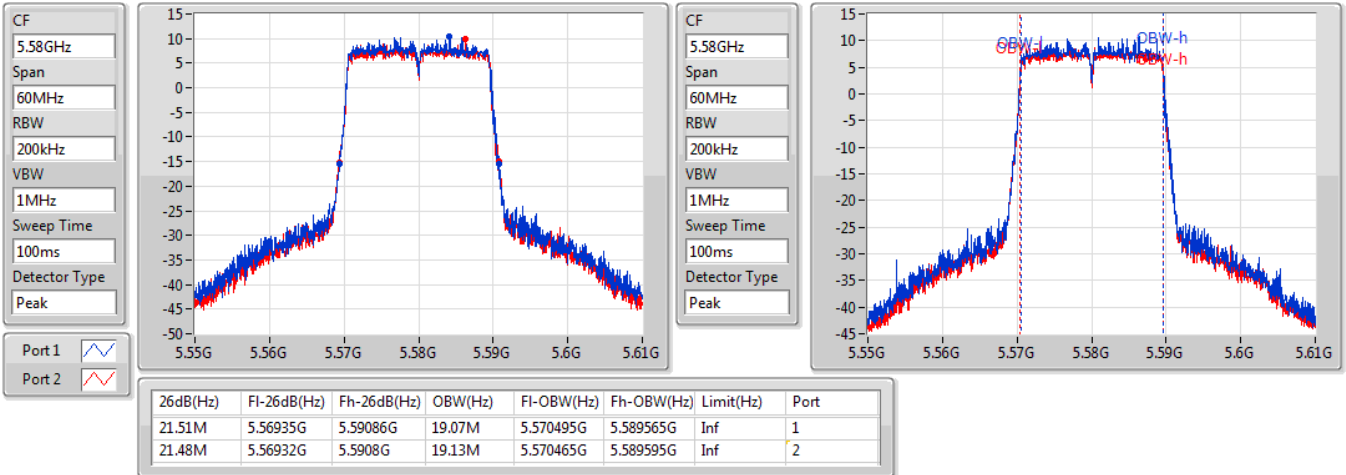


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5580MHz

04/12/2019

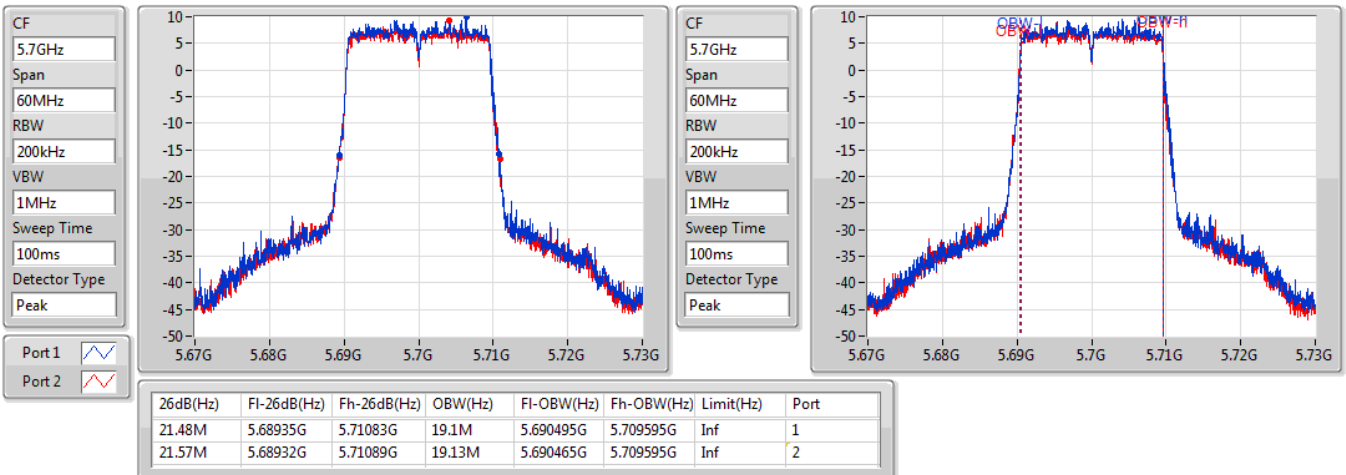


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

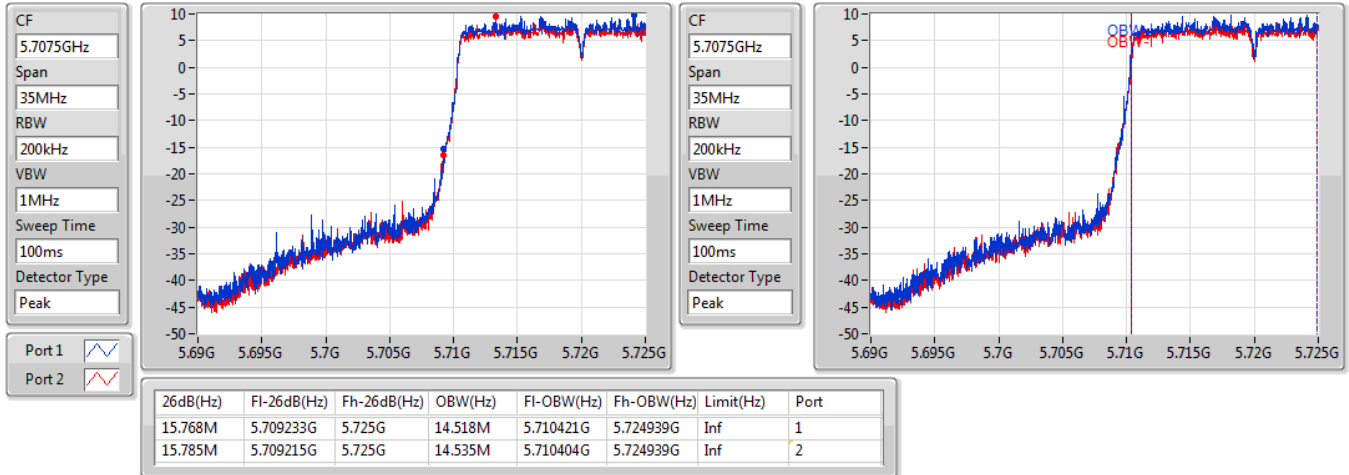
5700MHz

04/12/2019

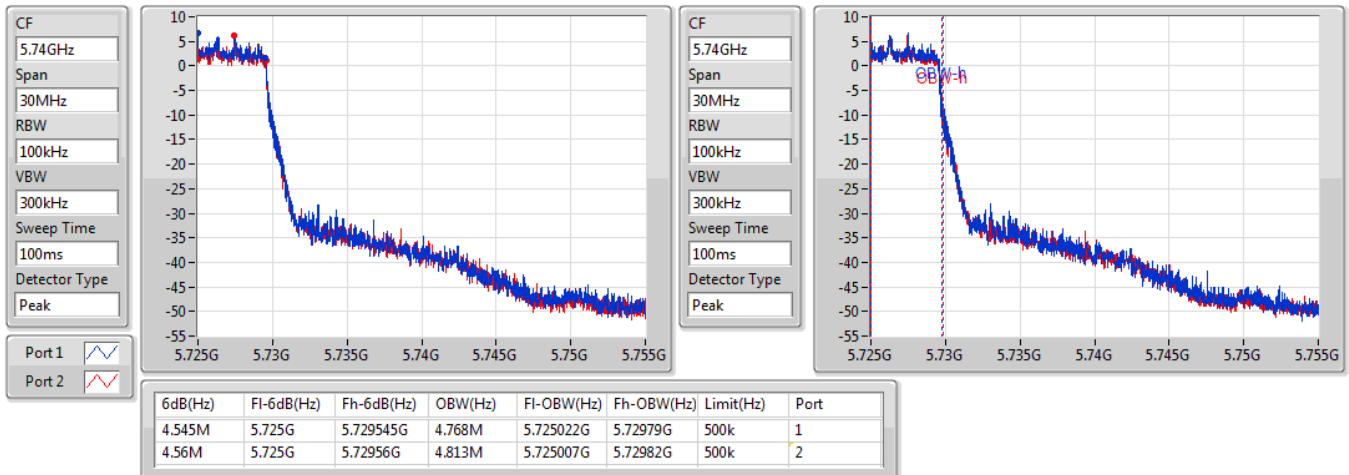


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

04/12/2019


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

04/12/2019

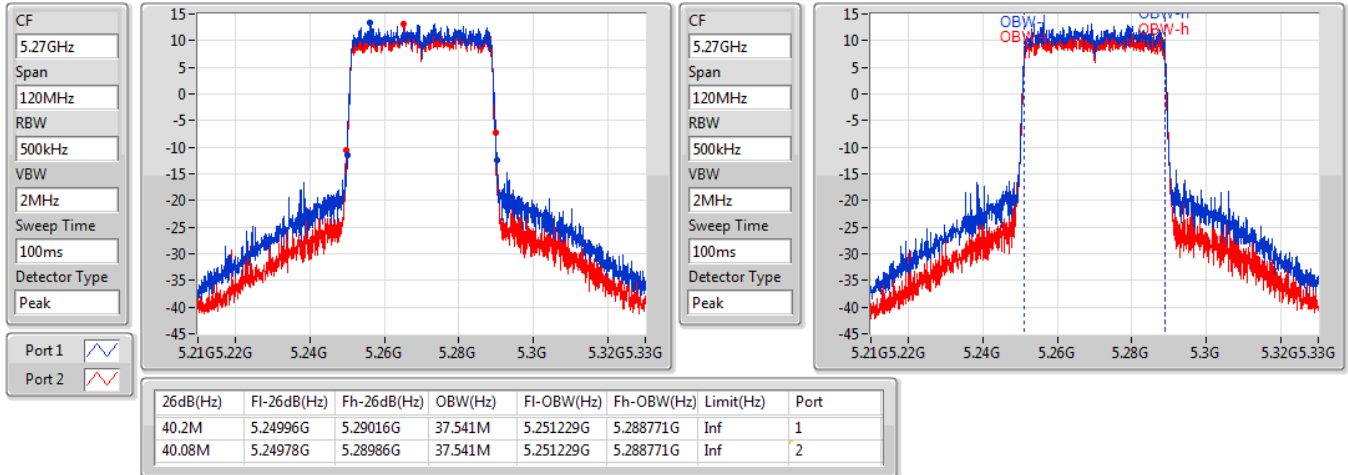


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5270MHz

04/12/2019

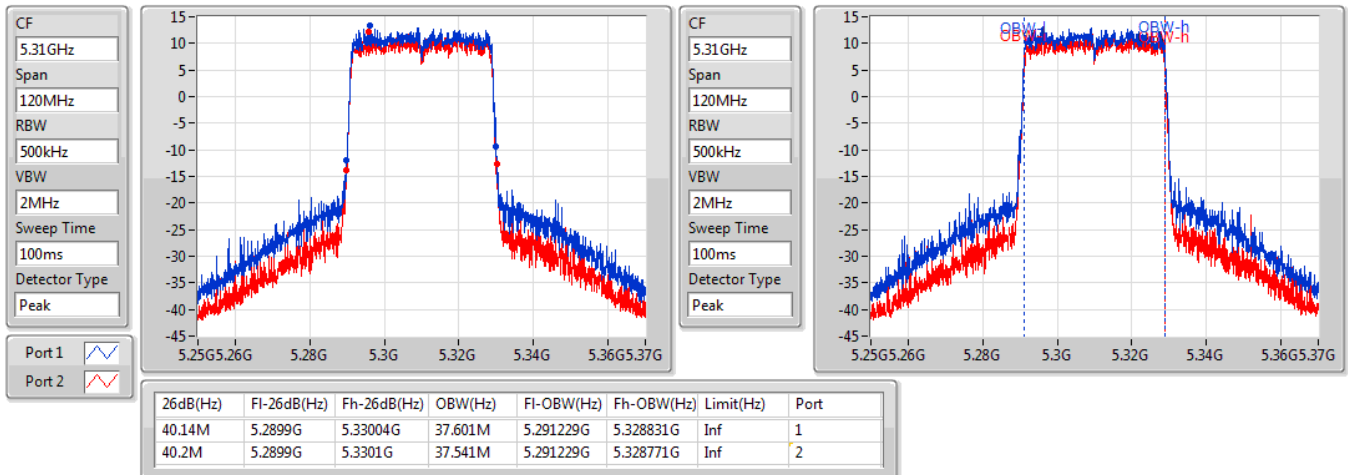


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5310MHz

04/12/2019

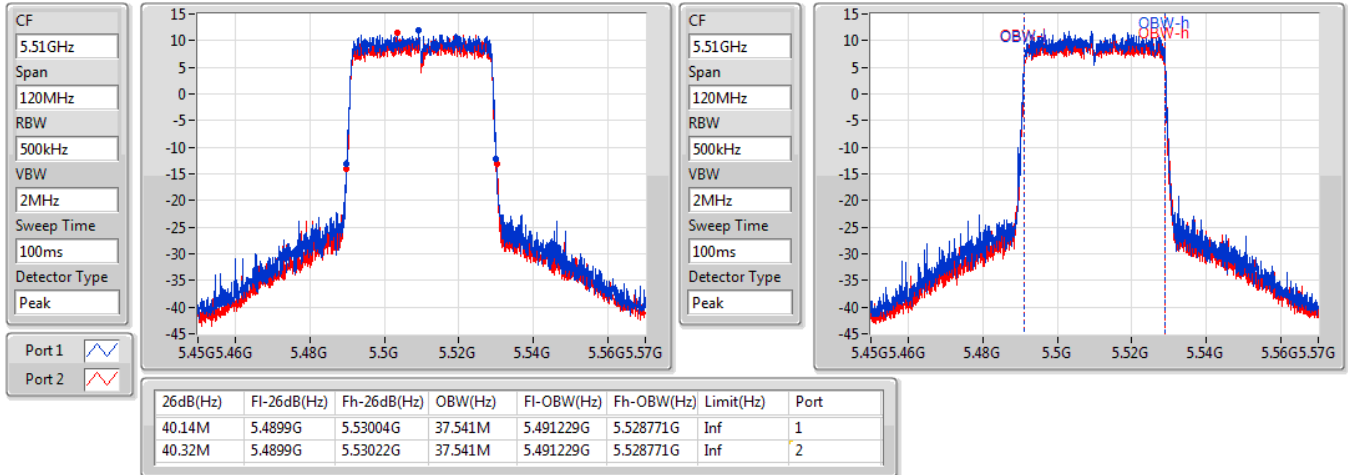


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5510MHz

04/12/2019

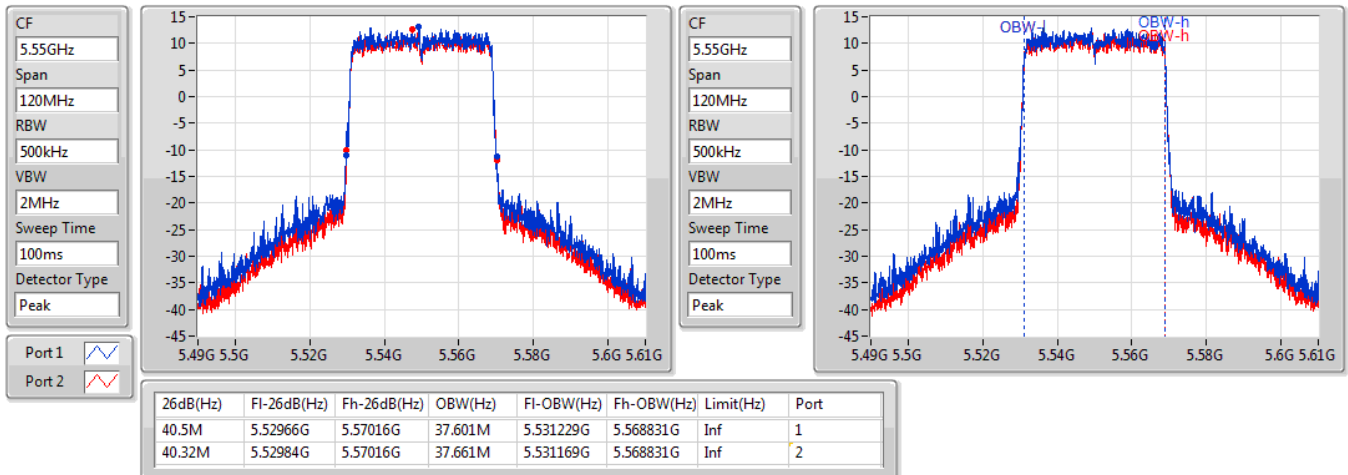


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5550MHz

04/12/2019

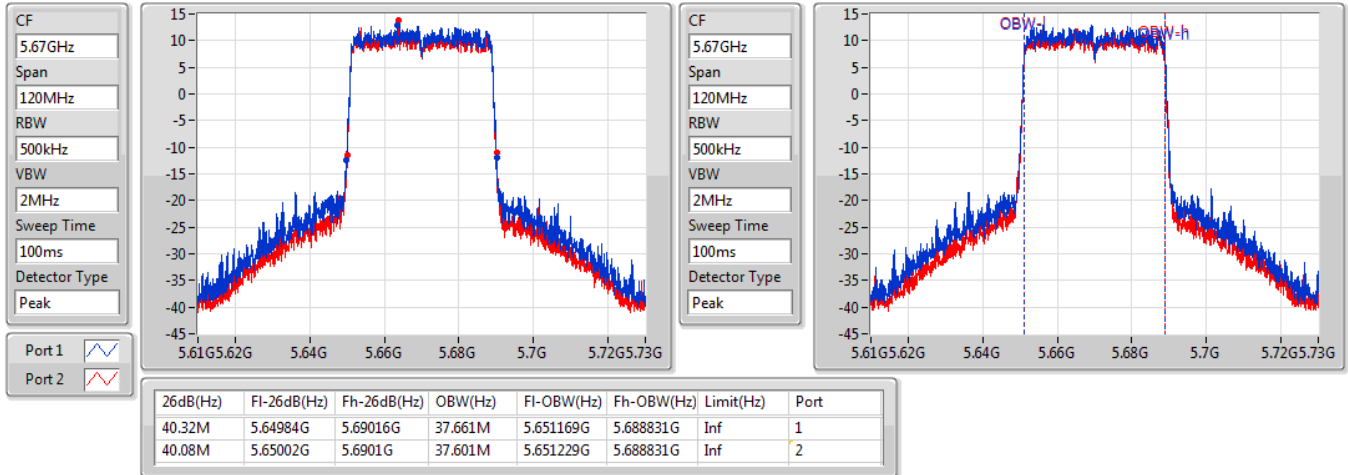


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5670MHz

04/12/2019

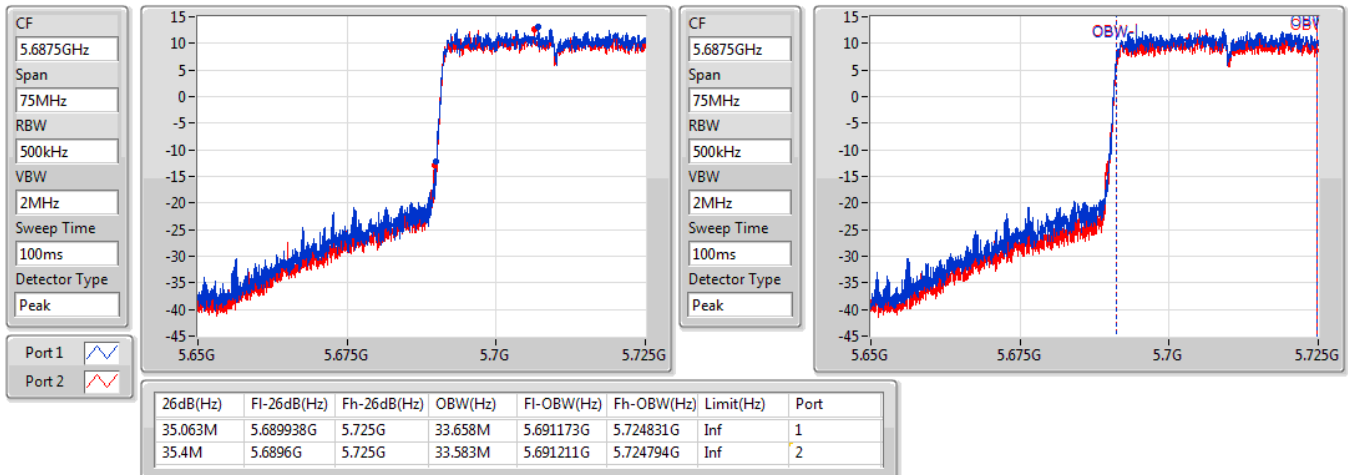


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

04/12/2019

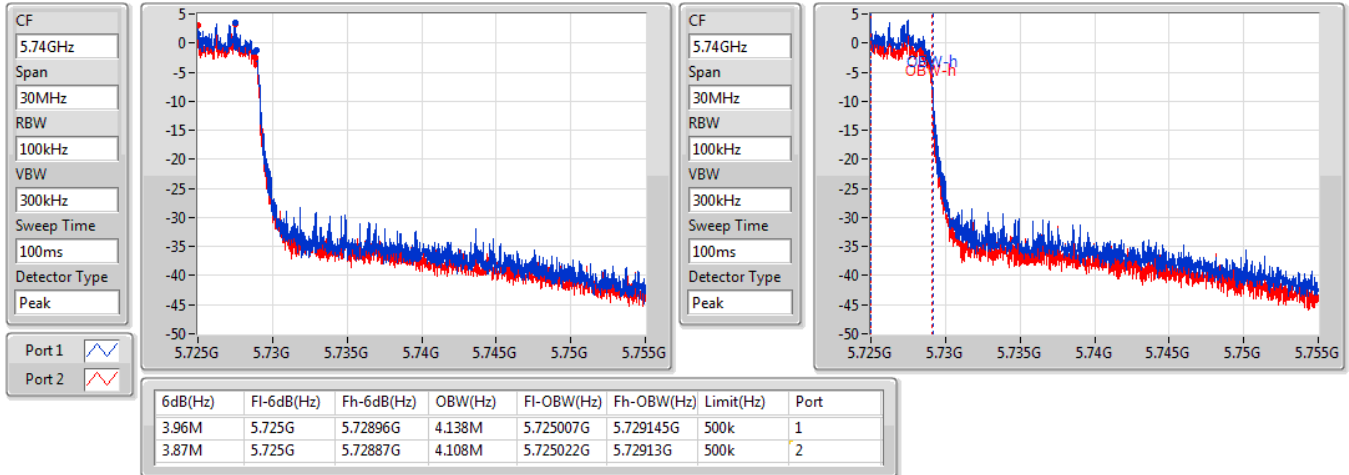


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/12/2019

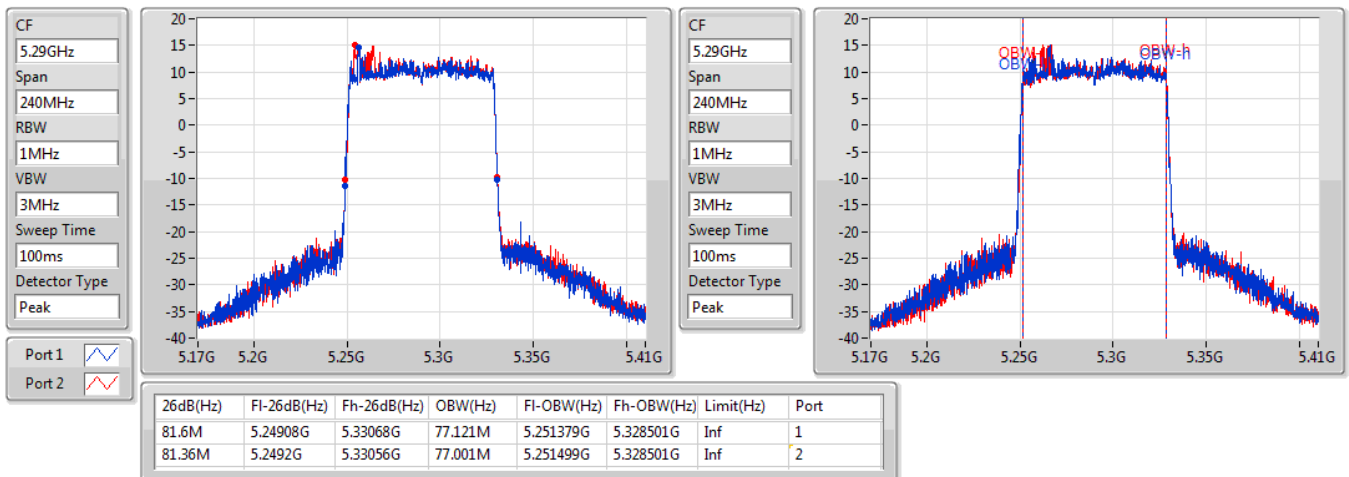


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5290MHz

04/12/2019

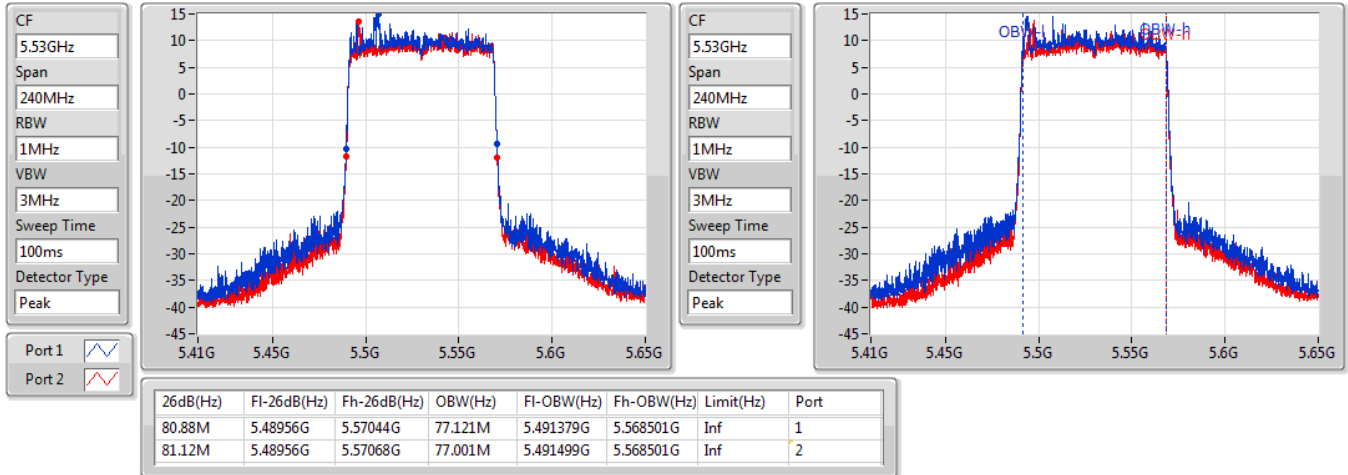


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5530MHz

04/12/2019

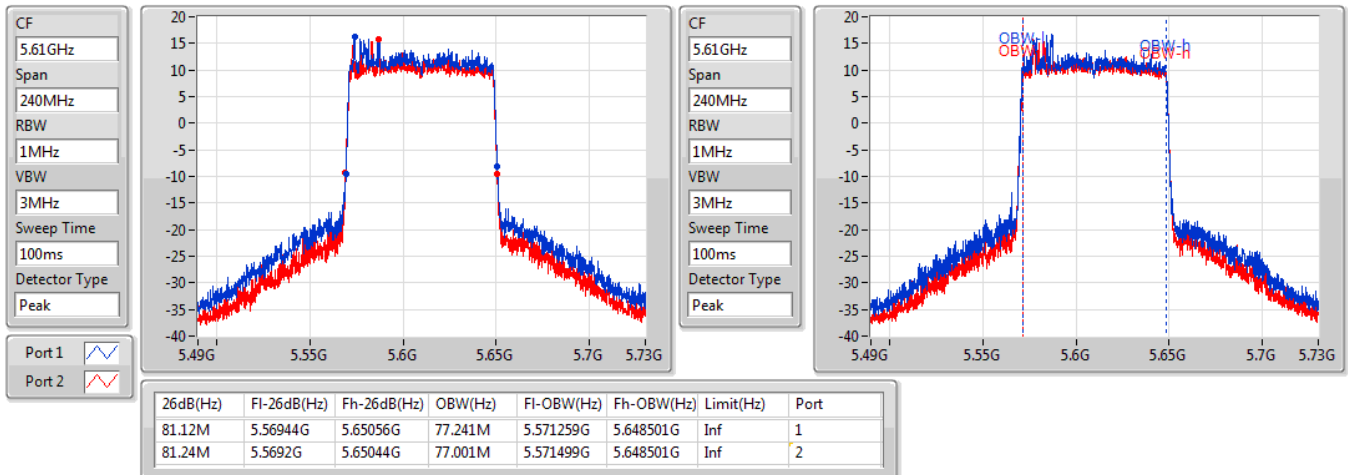


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5610MHz

04/12/2019

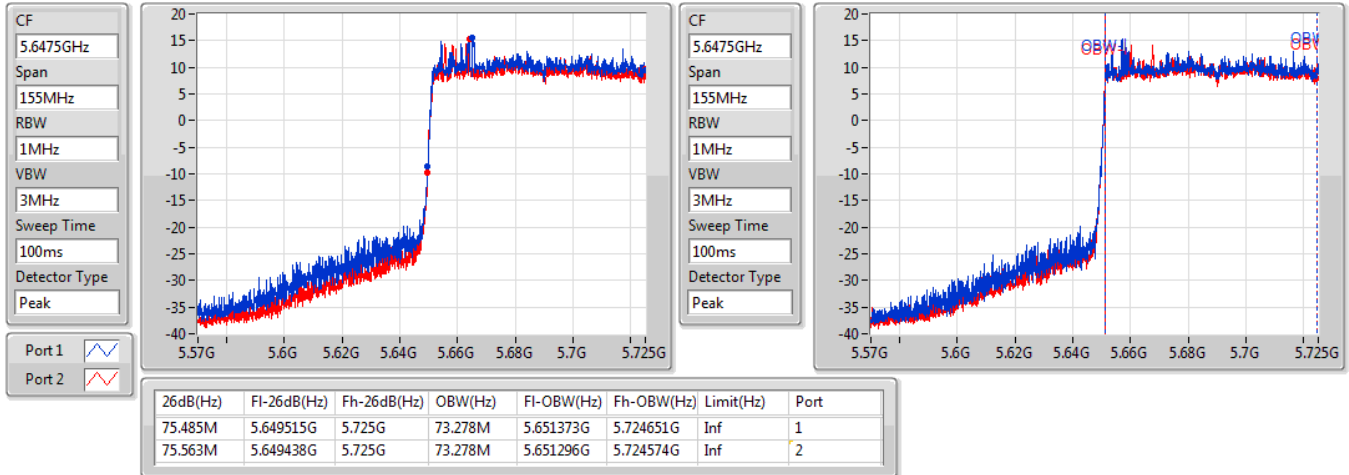


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

04/12/2019

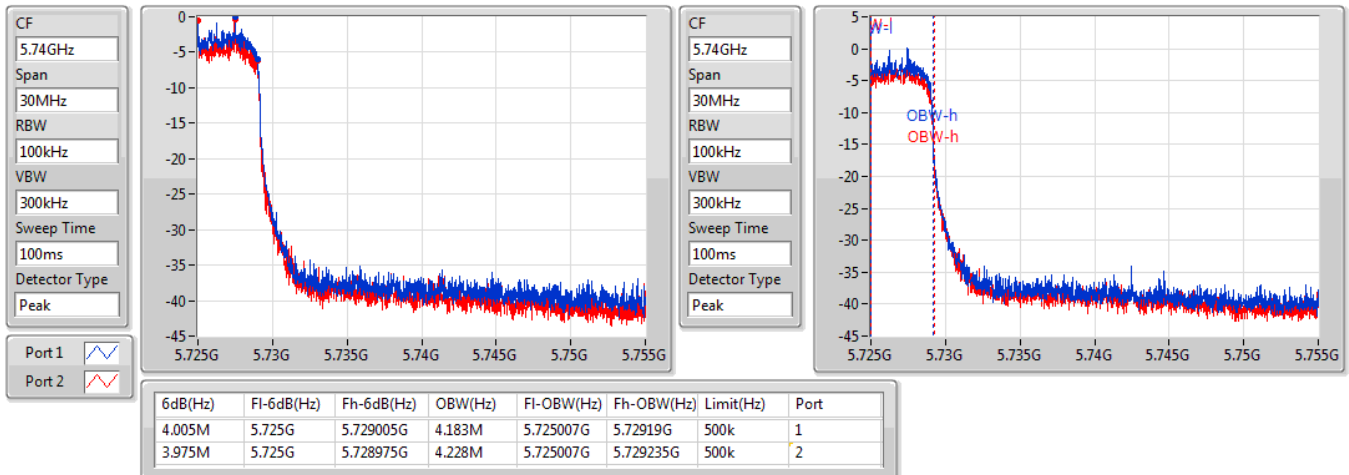


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	83.28M	77.001M	77M0D1D	81.24M	76.522M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.84M	77.961M	78M0D1D	80.88M	77.481M
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.66M	17.901M	17M9D1D	21.36M	17.811M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.14M	36.462M	36M5D1D	39.78M	36.342M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	80.88M	75.682M	75M7D1D	80.52M	75.682M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	82.44M	76.882M	76M9D1D	81.84M	76.522M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.63M	19.13M	19M1D1D	21.24M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.86M	37.601M	37M6D1D	40.2M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.6M	77.121M	77M1D1D	80.88M	77.001M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	83.04M	77.601M	77M6D1D	82.08M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.69M	17.901M	17M9D1D	15.733M	13.958M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.74M	36.462M	36M5D1D	34.988M	33.096M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.6M	76.522M	76M5D1D	75.253M	72.349M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	165.6M	154.483M	154MD1D	163.92M	153.283M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.63M	19.13M	19M1D1D	15.645M	14.483M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.86M	37.661M	37M7D1D	35.1M	33.621M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.36M	77.241M	77M2D1D	75.408M	73.123M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	163.92M	156.642M	157MD1D	161.76M	154.003M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	3.87M	4.438M	4M44D1D	3.765M	4.378M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	3.165M	3.673M	3M67D1D	3.135M	3.628M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	3.255M	3.913M	3M91D1D	3.21M	3.823M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.575M	4.783M	4M78D1D	4.515M	4.768M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.93M	4.108M	4M11D1D	3.72M	4.093M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.99M	4.153M	4M15D1D	3.615M	4.123M

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)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.39M	17.871M	21.6M	17.871M	21.57M	17.841M	21.57M	17.841M
5300MHz	Pass	Inf	21.54M	17.811M	21.6M	17.901M	21.66M	17.901M	21.6M	17.901M
5320MHz	Pass	Inf	21.36M	17.841M	21.57M	17.901M	21.51M	17.901M	21.48M	17.901M
5500MHz	Pass	Inf	21.42M	17.841M	21.54M	17.871M	21.63M	17.871M	21.57M	17.871M
5580MHz	Pass	Inf	21.48M	17.901M	21.48M	17.901M	21.69M	17.901M	21.57M	17.901M
5700MHz	Pass	Inf	21.45M	17.841M	21.54M	17.901M	21.39M	17.901M	21.33M	17.871M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.733M	13.958M	15.768M	13.993M	15.75M	13.976M	15.785M	13.993M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.408M	3.765M	4.378M	3.87M	4.438M	3.765M	4.408M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.02M	36.462M	39.96M	36.402M	39.96M	36.462M	39.78M	36.462M
5310MHz	Pass	Inf	39.96M	36.462M	40.14M	36.342M	39.78M	36.402M	39.9M	36.462M
5510MHz	Pass	Inf	39.84M	36.402M	39.78M	36.402M	39.96M	36.402M	40.14M	36.402M
5550MHz	Pass	Inf	40.08M	36.402M	40.74M	36.402M	40.2M	36.402M	40.26M	36.462M
5670MHz	Pass	Inf	40.14M	36.462M	40.32M	36.462M	40.56M	36.402M	39.54M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.988M	33.096M	35.138M	33.096M	35.55M	33.096M	35.25M	33.171M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	3.628M	3.15M	3.643M	3.15M	3.643M	3.135M	3.673M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	80.52M	75.682M	80.76M	75.682M	80.52M	75.682M	80.88M	75.682M
5530MHz	Pass	Inf	80.28M	75.802M	80.76M	75.802M	80.88M	75.802M	80.88M	75.922M
5610MHz	Pass	Inf	80.4M	76.522M	80.16M	75.682M	81.6M	76.282M	80.52M	75.682M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.33M	72.504M	75.253M	72.349M	75.33M	72.426M	76.028M	72.504M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.21M	3.838M	3.255M	3.913M	3.255M	3.823M	3.225M	3.913M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	83.28M	76.882M	81.48M	76.522M	83.04M	77.001M	81.24M	76.642M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.84M	76.762M	82.44M	76.882M	81.84M	76.522M	82.32M	76.522M
5570MHz	Pass	Inf	165.6M	154.243M	163.92M	153.523M	164.4M	154.483M	164.64M	153.283M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.24M	19.07M	21.51M	19.1M	21.48M	19.04M	21.51M	19.07M
5300MHz	Pass	Inf	21.63M	19.13M	21.36M	19.13M	21.48M	19.1M	21.54M	19.13M
5320MHz	Pass	Inf	21.6M	19.13M	21.51M	19.1M	21.33M	19.07M	21.42M	19.07M
5500MHz	Pass	Inf	21.57M	19.13M	21.39M	19.1M	21.63M	19.13M	21.48M	19.07M
5580MHz	Pass	Inf	21.45M	19.04M	21.51M	19.07M	21.39M	19.13M	21.3M	19.1M
5700MHz	Pass	Inf	21.54M	19.13M	21.45M	19.13M	21.57M	19.1M	21.45M	19.07M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.645M	14.483M	15.663M	14.518M	15.68M	14.483M	15.663M	14.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.575M	4.768M	4.56M	4.768M	4.515M	4.768M	4.515M	4.783M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	37.481M	40.86M	37.601M	40.38M	37.541M	40.44M	37.541M
5310MHz	Pass	Inf	40.32M	37.481M	40.26M	37.601M	40.32M	37.541M	40.26M	37.481M
5510MHz	Pass	Inf	40.14M	37.601M	40.14M	37.601M	40.44M	37.661M	40.2M	37.541M
5550MHz	Pass	Inf	40.08M	37.481M	40.14M	37.481M	40.38M	37.541M	40.14M	37.481M
5670MHz	Pass	Inf	40.08M	37.541M	40.68M	37.601M	40.86M	37.481M	40.32M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.175M	33.621M	35.288M	33.621M	35.1M	33.621M	35.25M	33.621M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.915M	4.108M	3.72M	4.108M	3.885M	4.093M	3.93M	4.093M



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 HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	80.88M	77.121M	81.24M	77.001M	80.88M	77.001M	81.6M	77.001M
5530MHz	Pass	Inf	81.36M	77.121M	81.12M	77.121M	81.12M	77.241M	81M	77.001M
5610MHz	Pass	Inf	81M	77.121M	80.88M	77.121M	81.12M	77.241M	80.88M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.485M	73.278M	75.408M	73.123M	75.485M	73.278M	75.795M	73.201M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.99M	4.138M	3.615M	4.153M	3.99M	4.138M	3.96M	4.123M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.36M	77.961M	80.88M	77.481M	81.84M	77.721M	81.12M	77.481M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.04M	77.481M	82.8M	77.601M	82.08M	77.601M	82.32M	77.601M
5570MHz	Pass	Inf	162.72M	155.202M	161.76M	154.003M	163.92M	156.642M	163.2M	154.483M

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

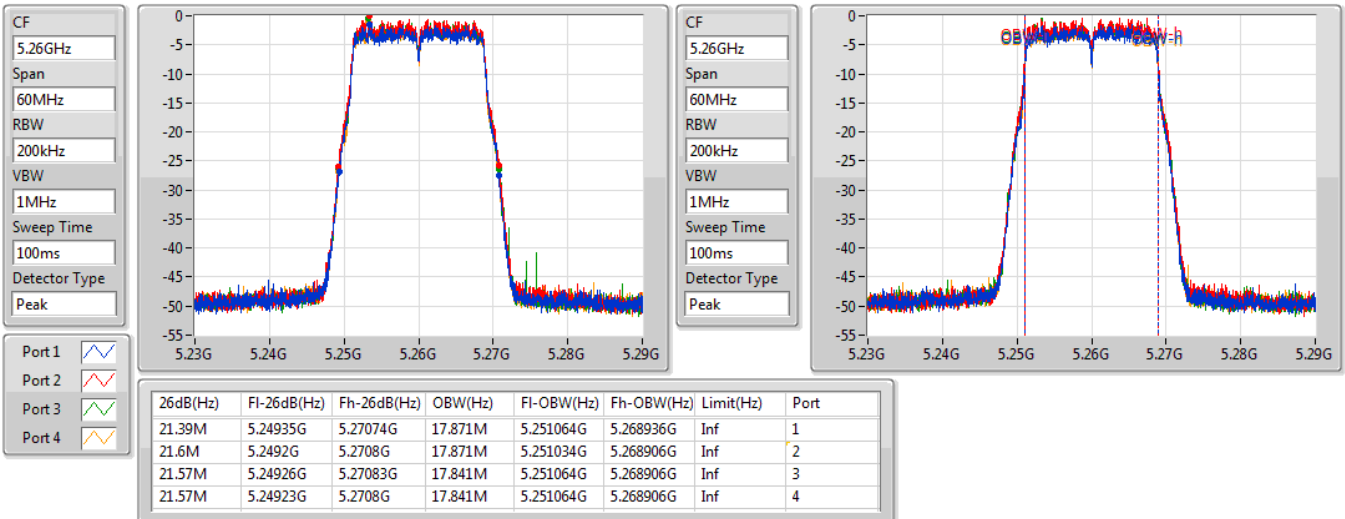
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

03/12/2019

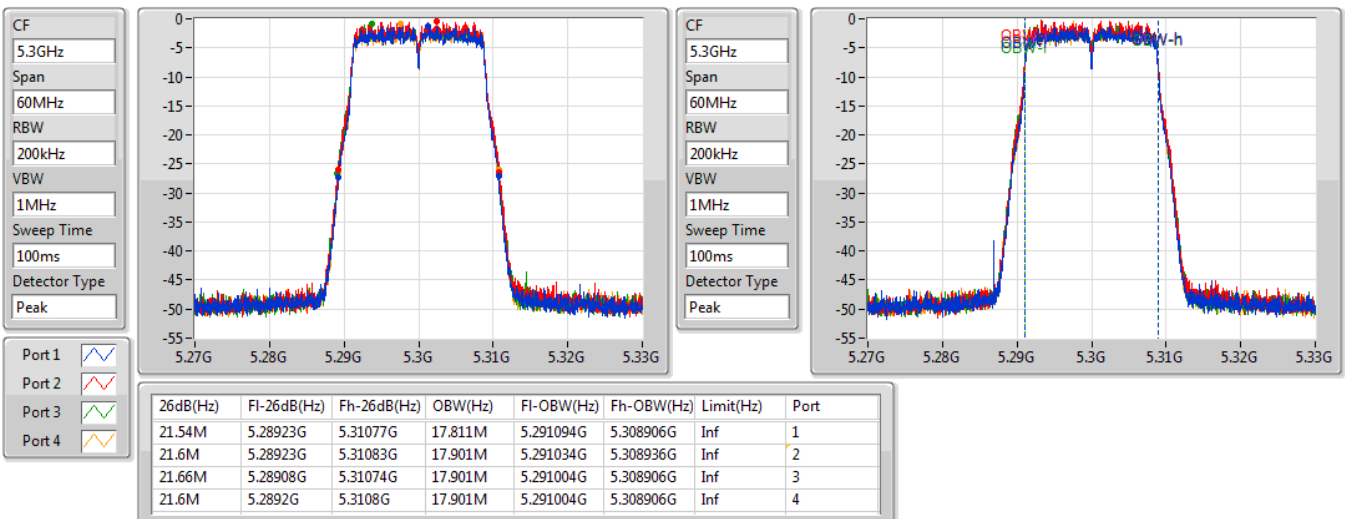


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

03/12/2019

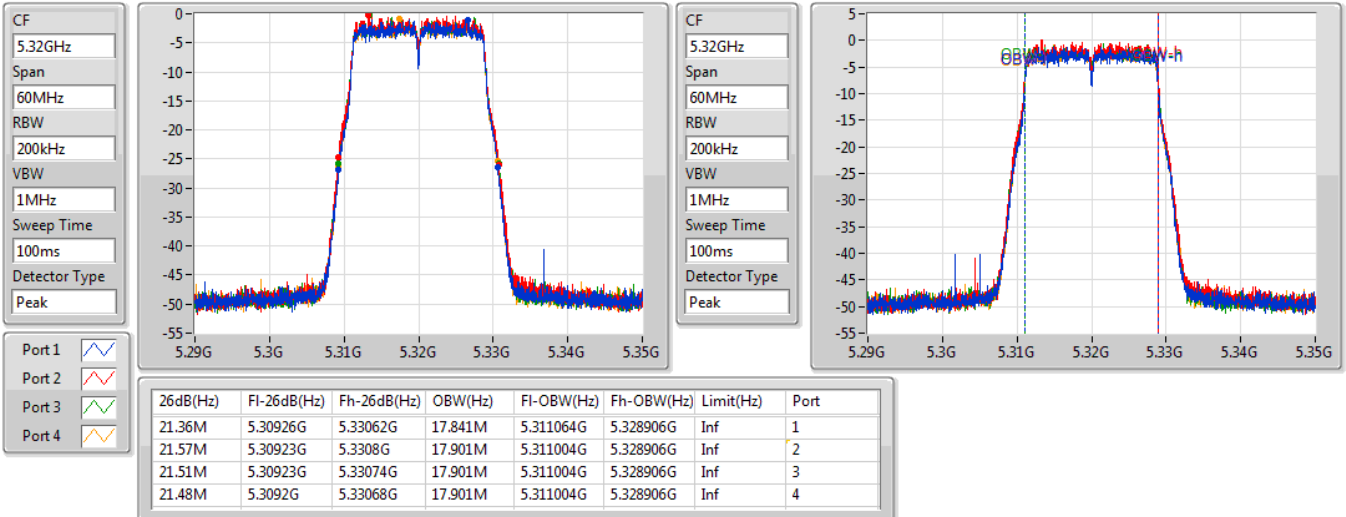


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

03/12/2019

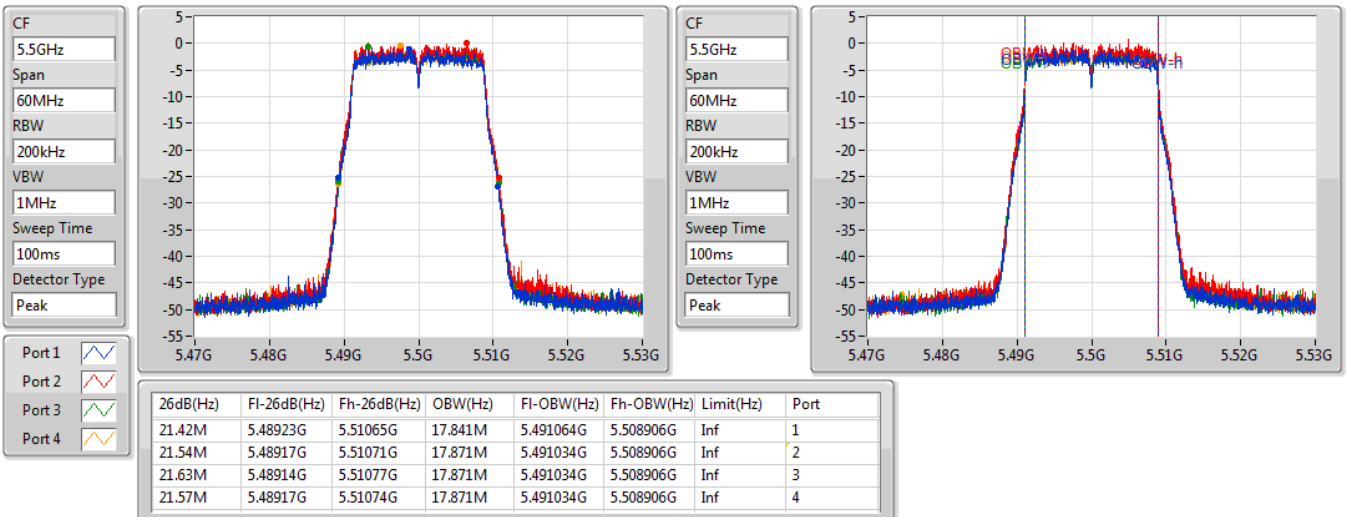


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

03/12/2019

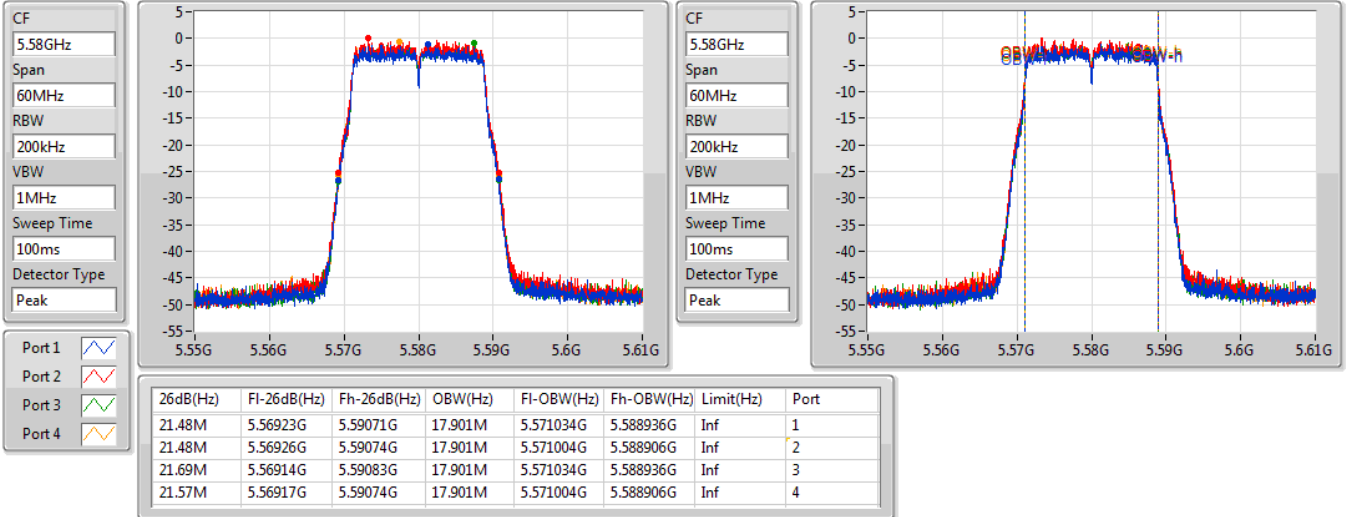


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

03/12/2019

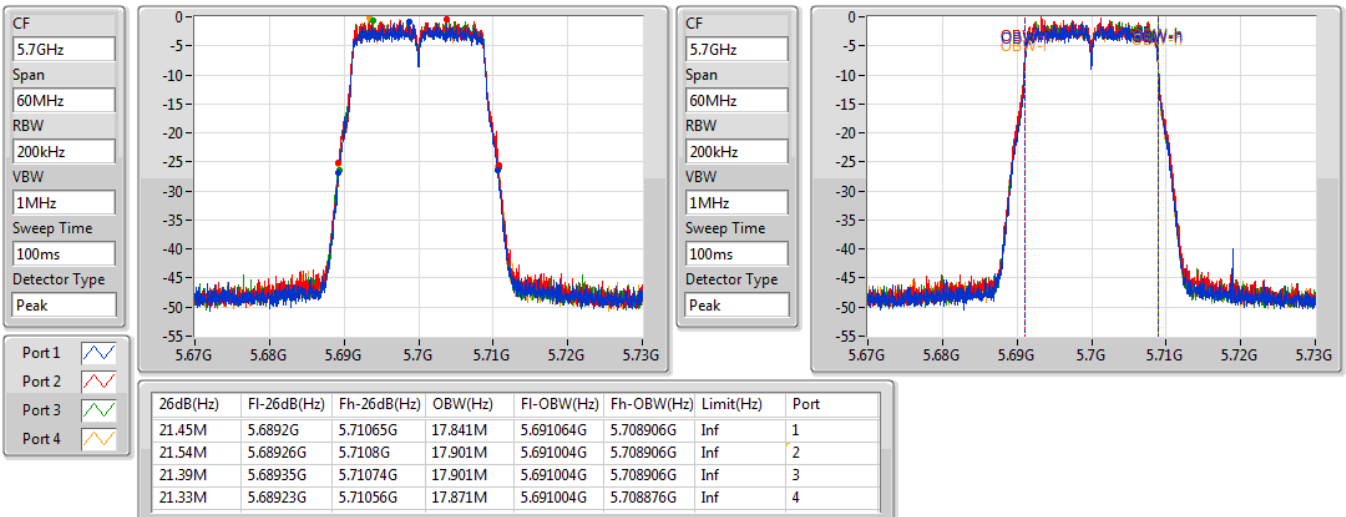


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

03/12/2019

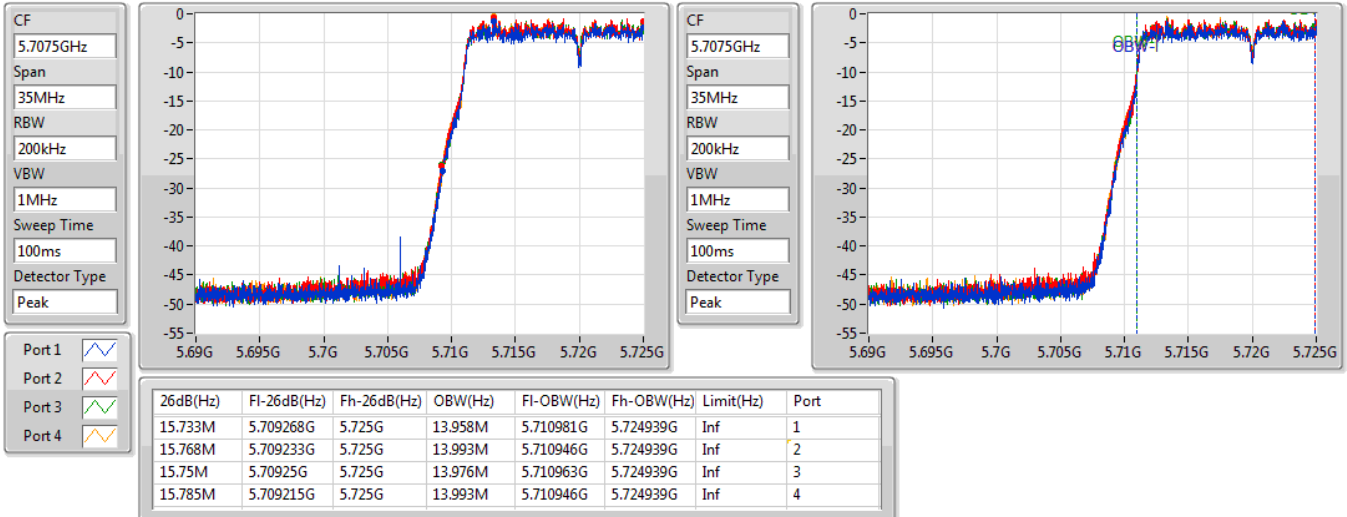


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/12/2019

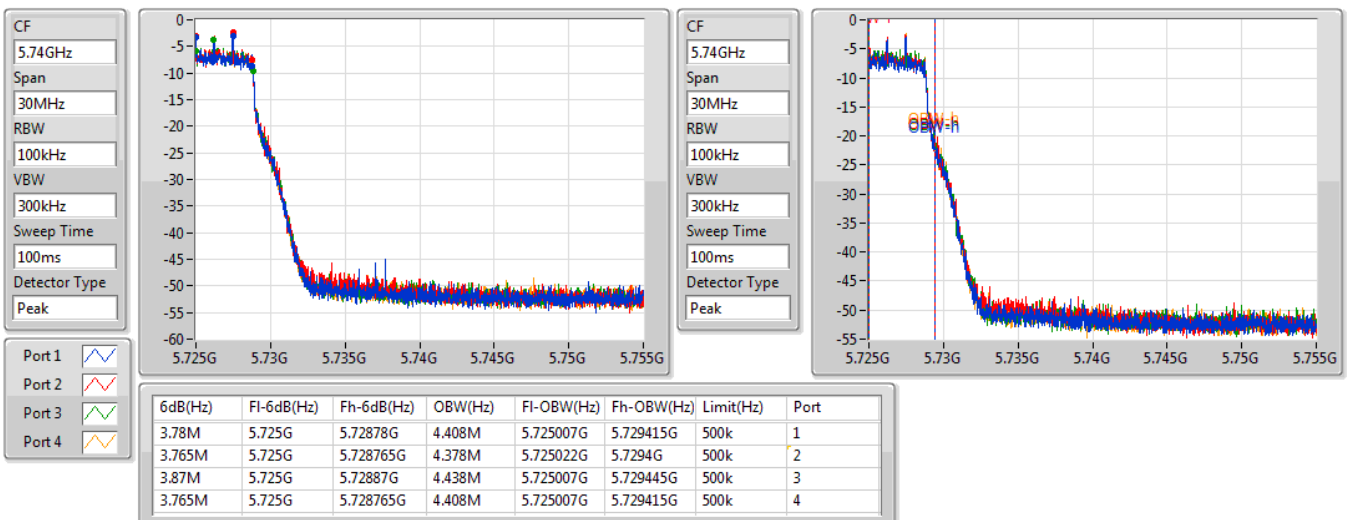


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/12/2019

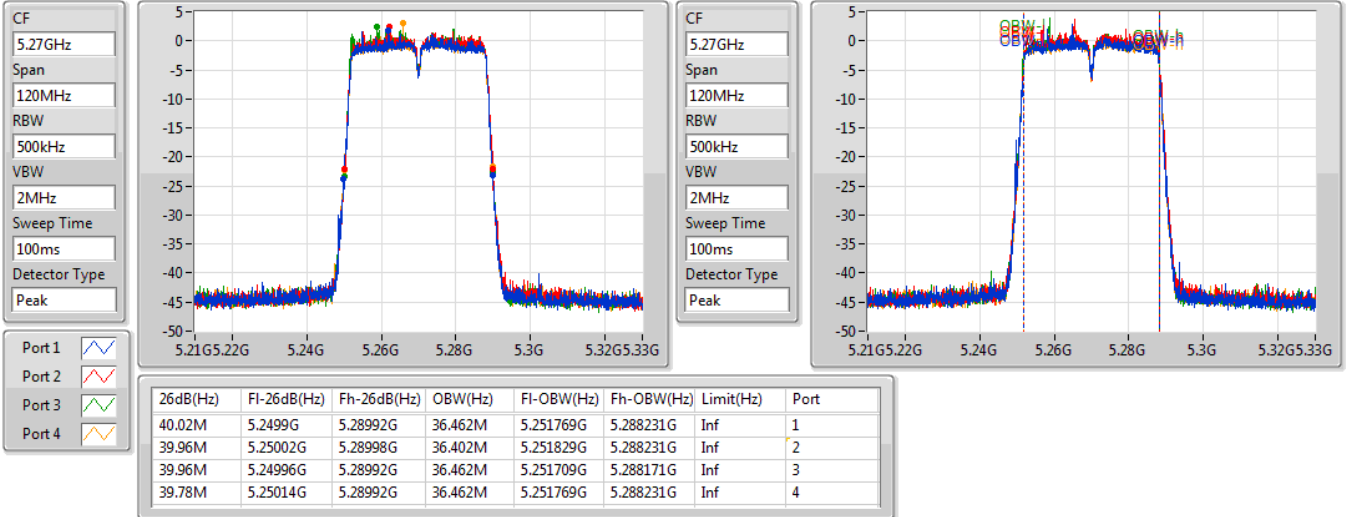


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

03/12/2019

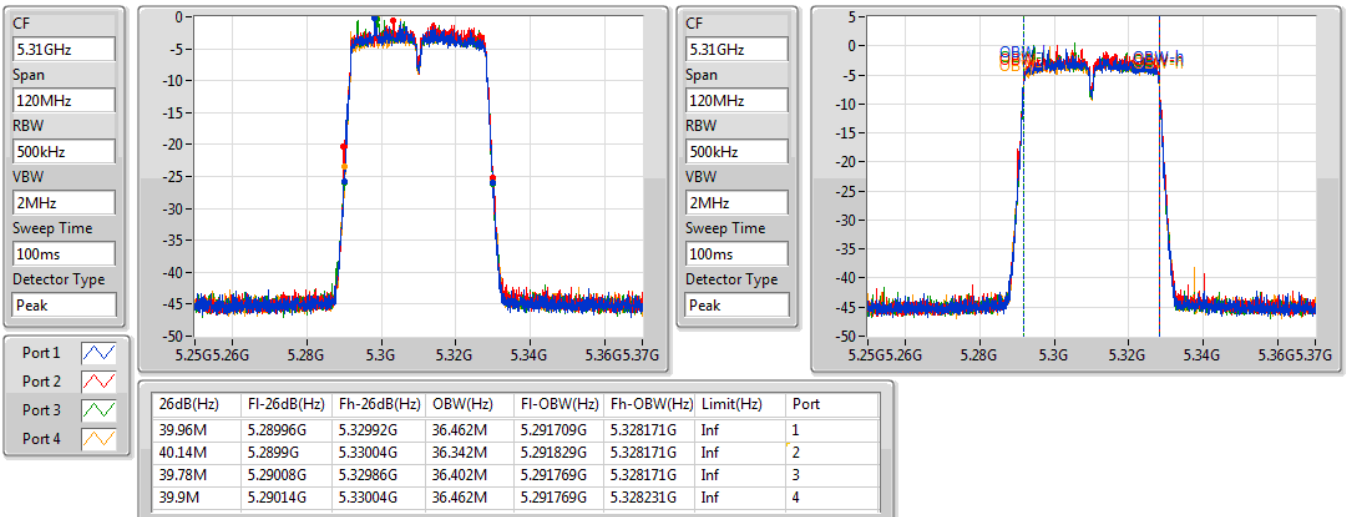


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

03/12/2019

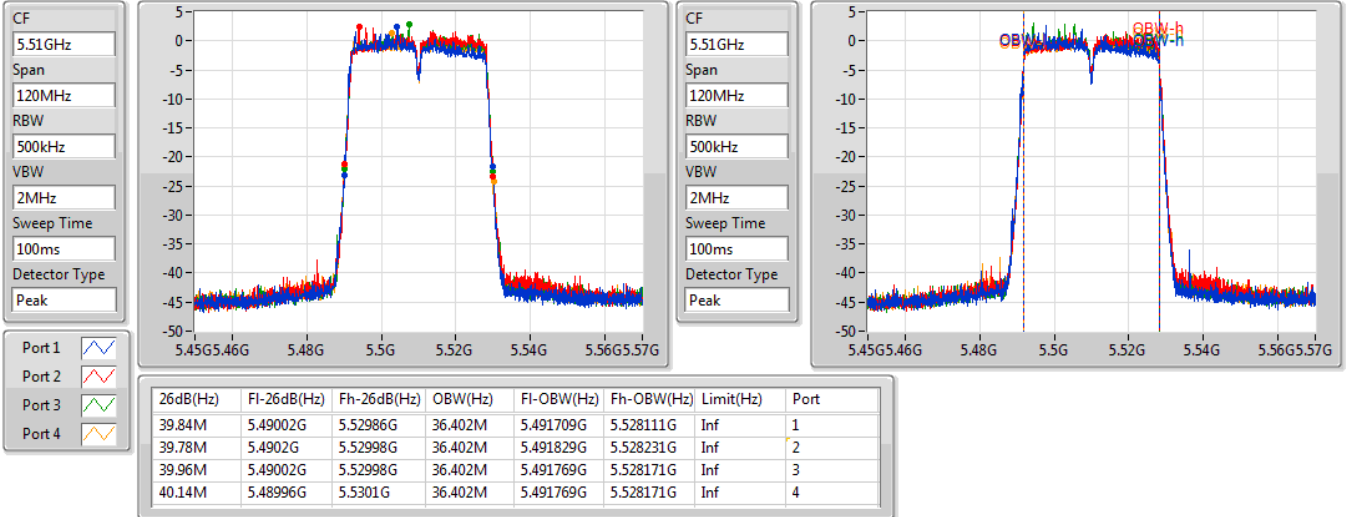


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

03/12/2019

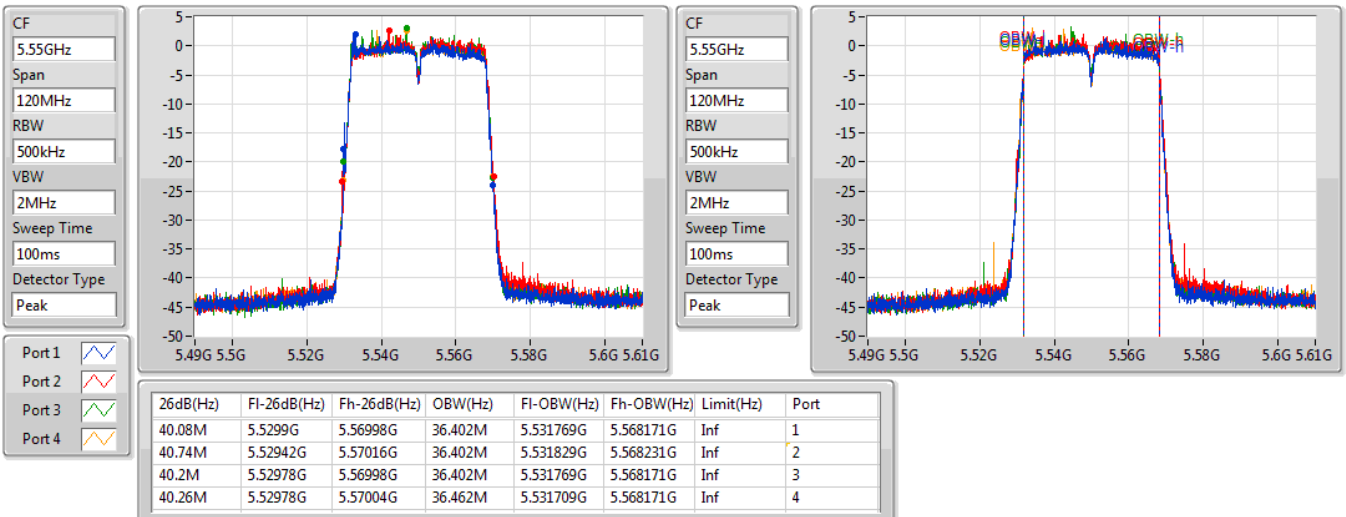


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

03/12/2019

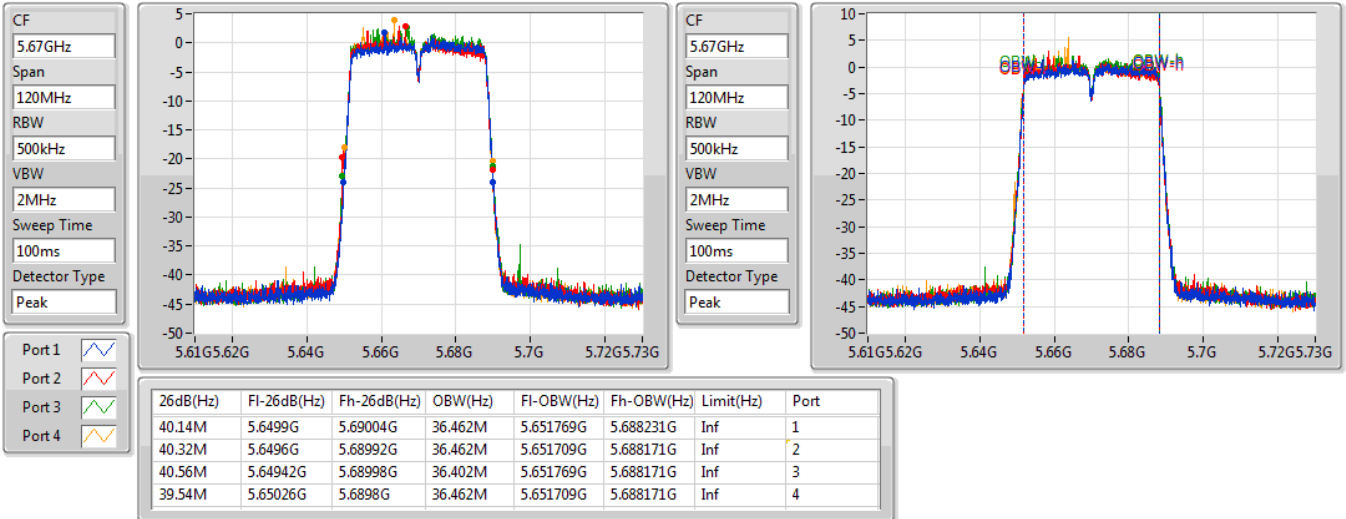


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

03/12/2019

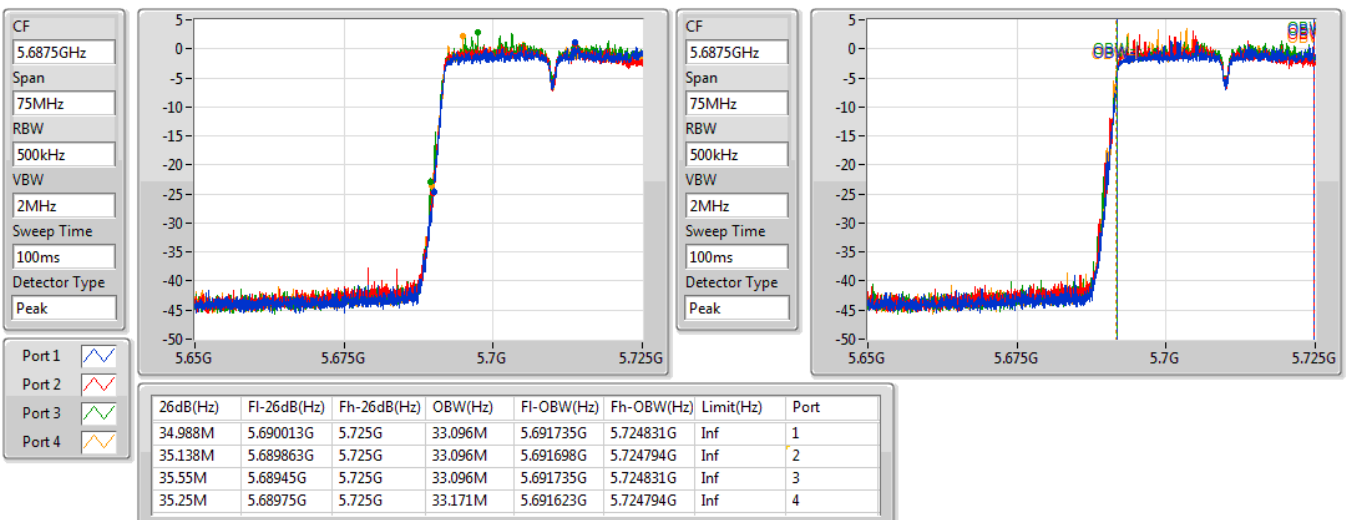


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/12/2019

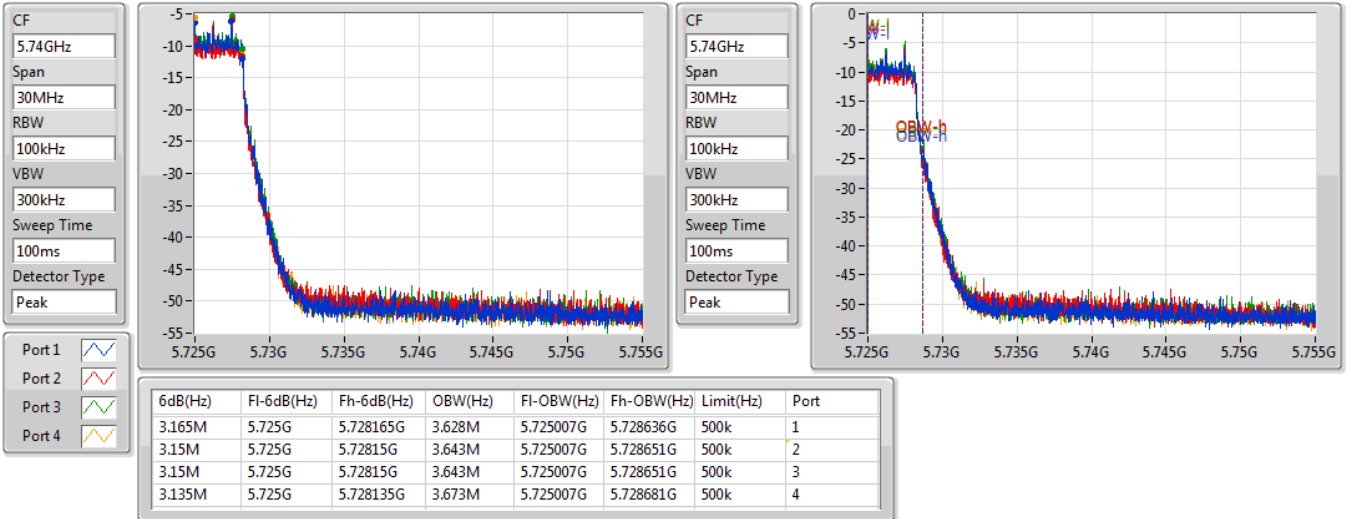


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/12/2019

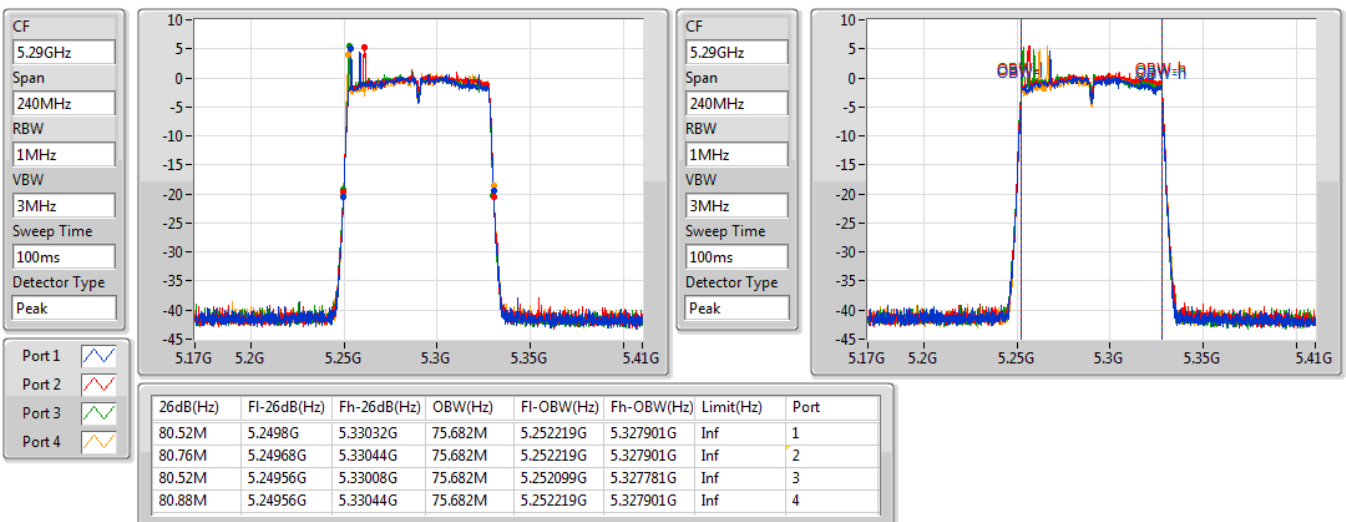


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

03/12/2019

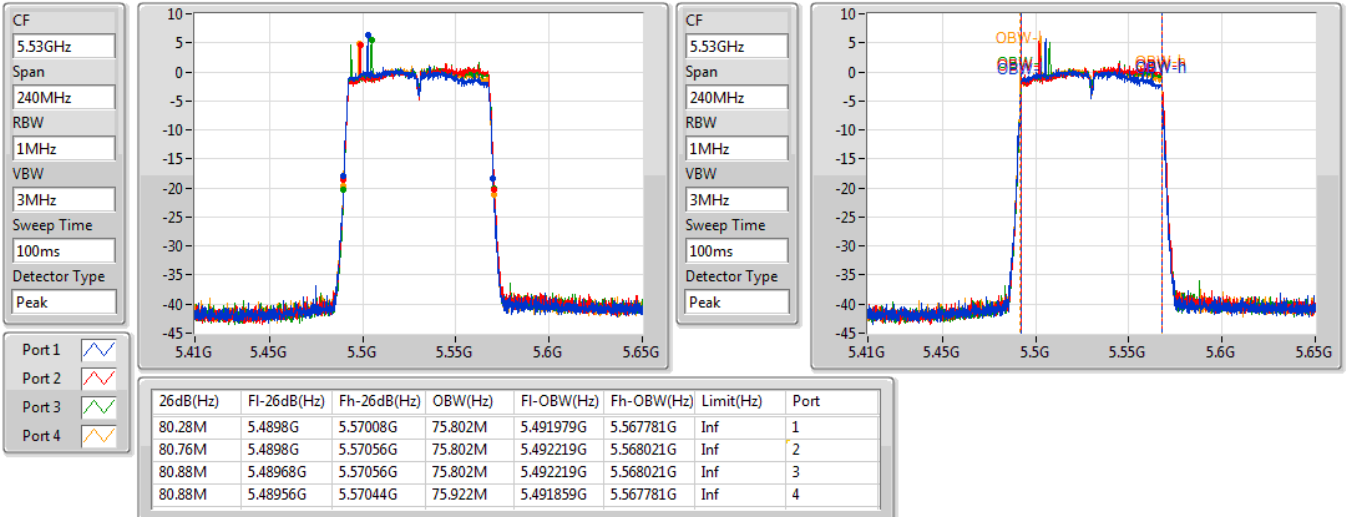


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

03/12/2019

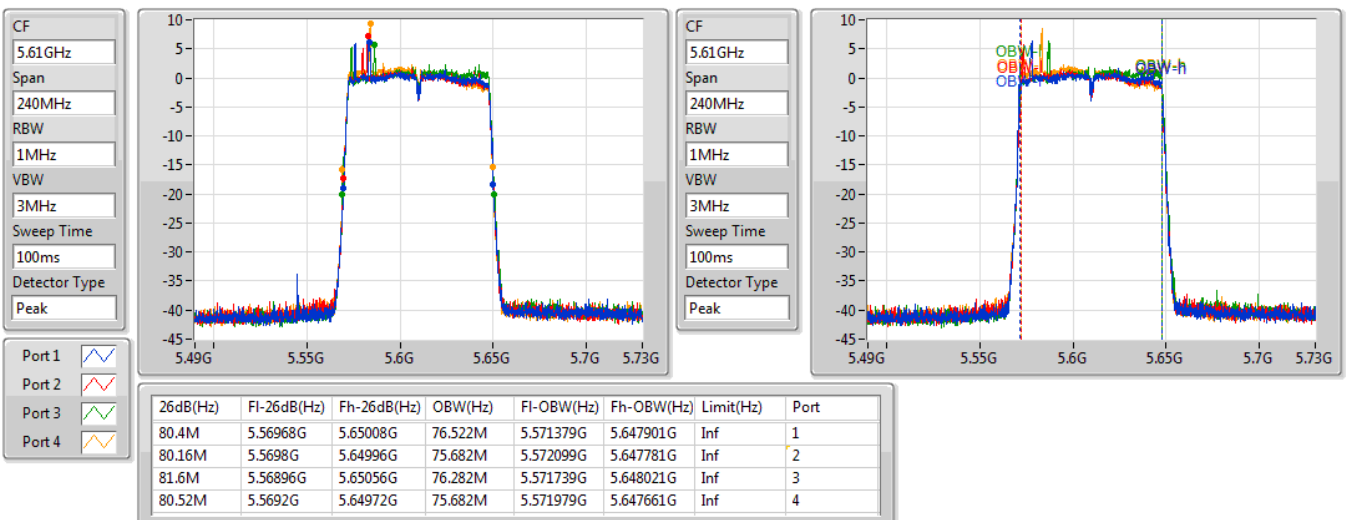


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

03/12/2019

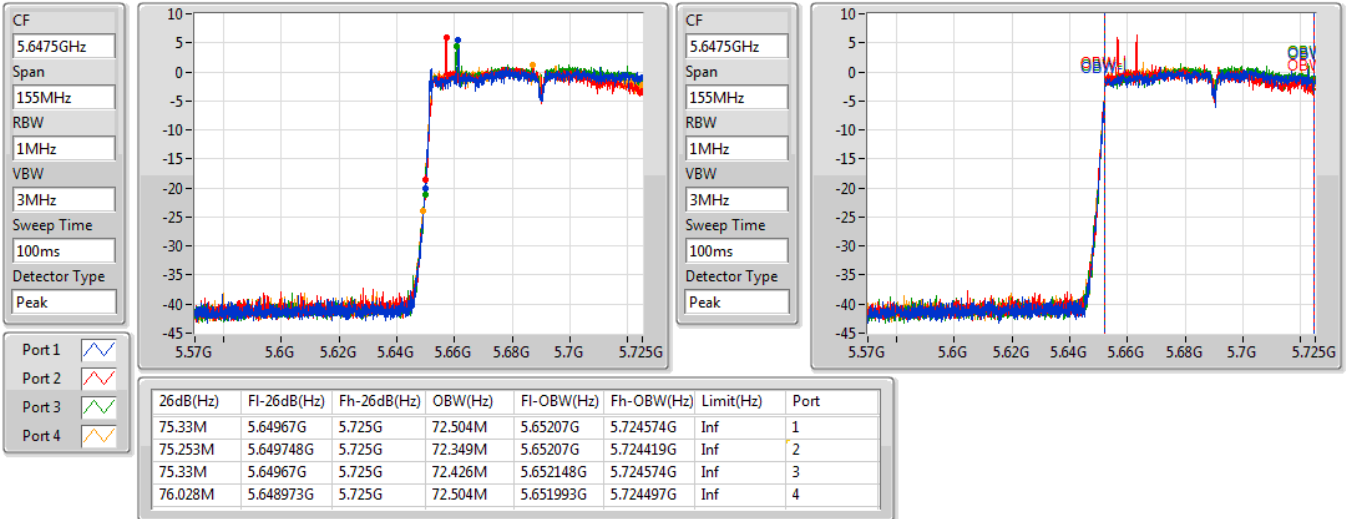


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

04/12/2019

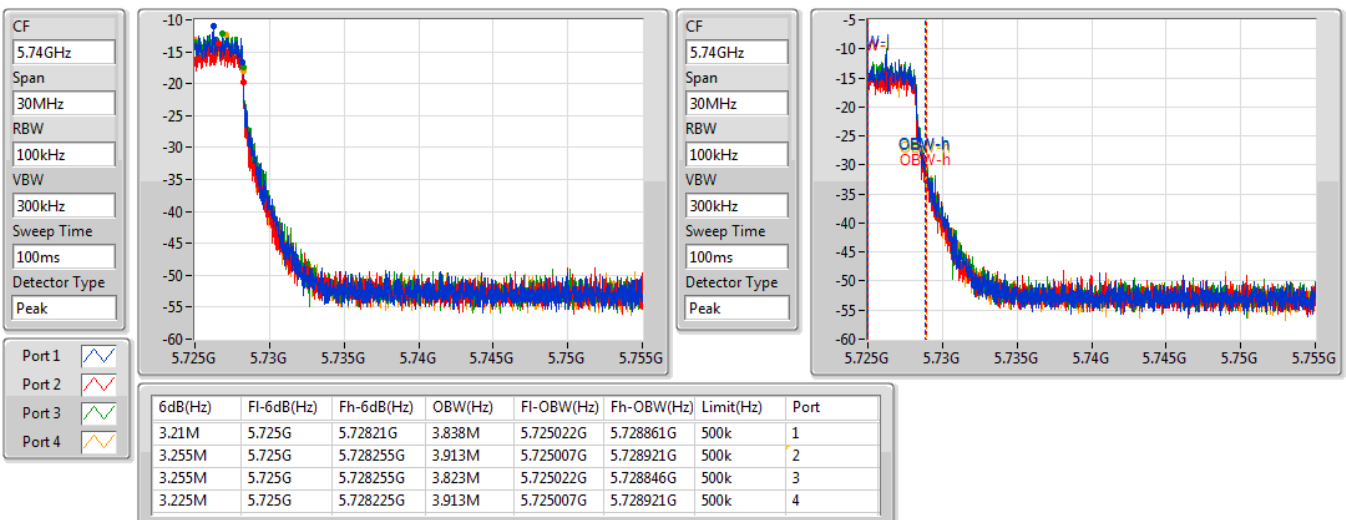


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/12/2019

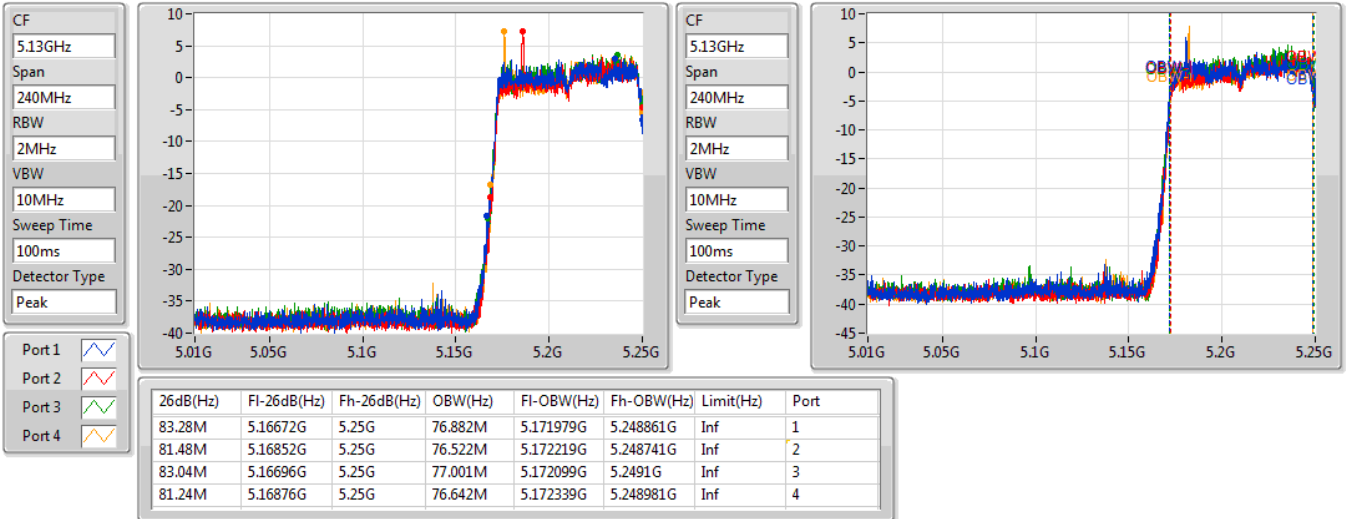


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

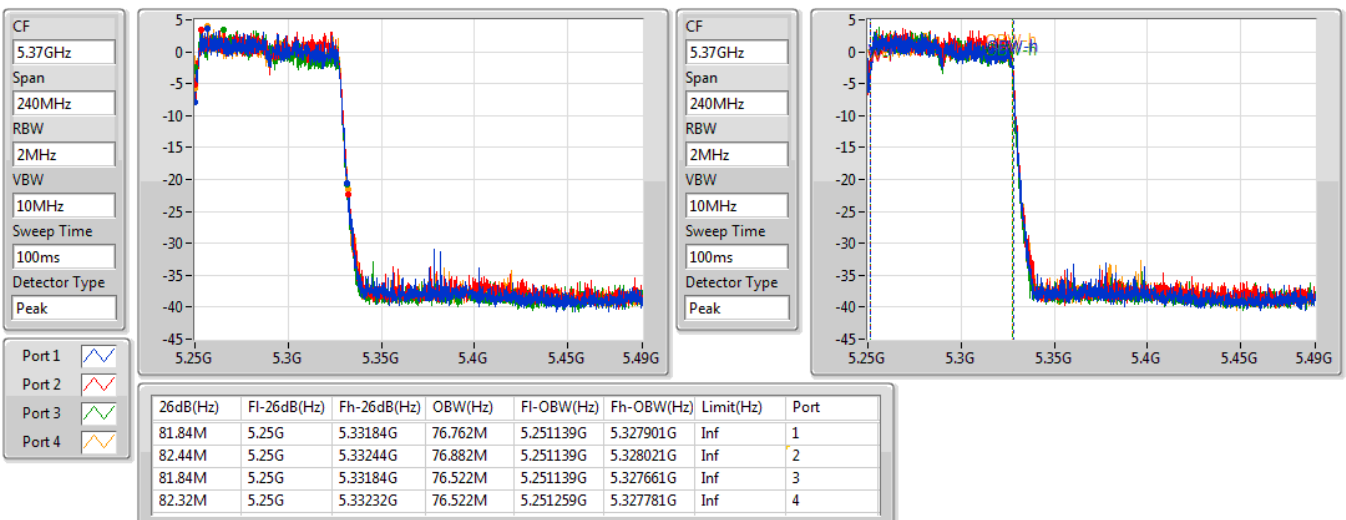


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/12/2019

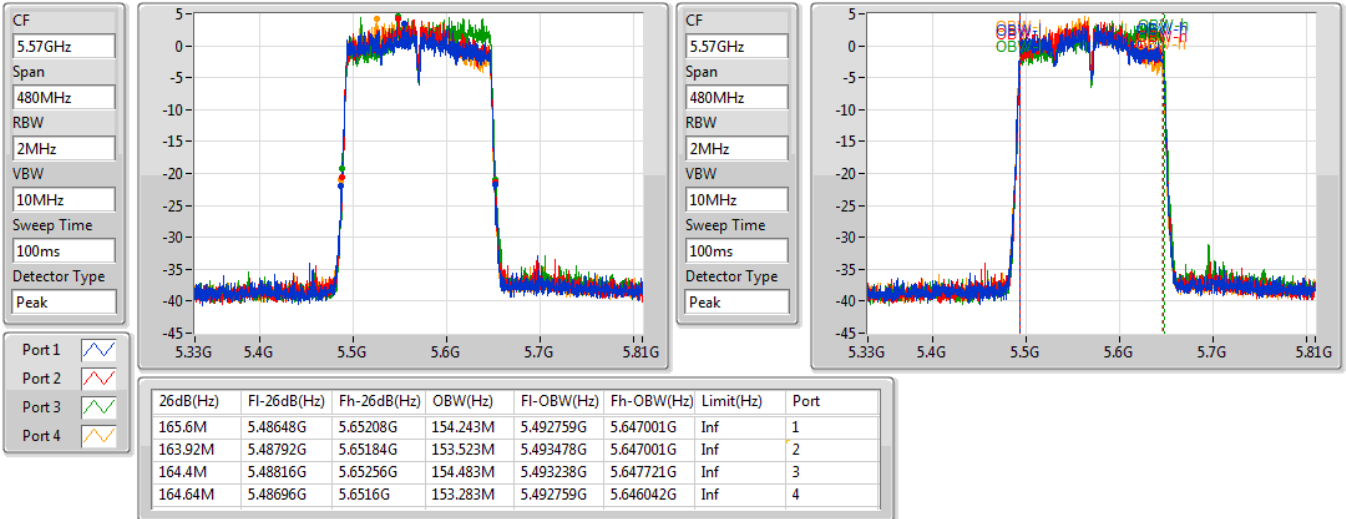


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

04/12/2019

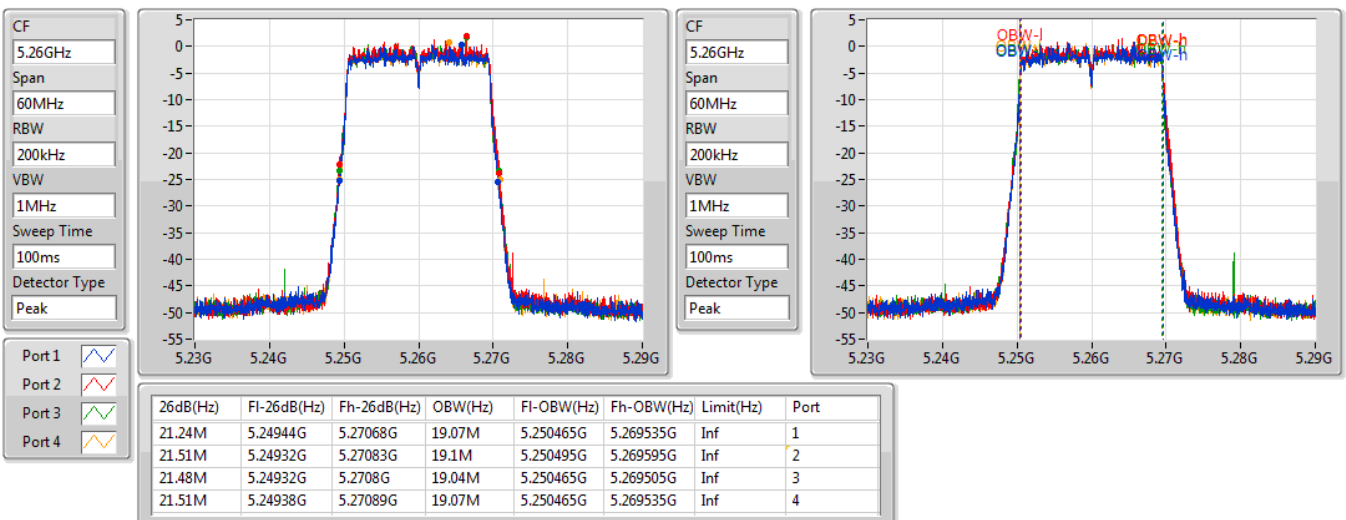


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

03/12/2019

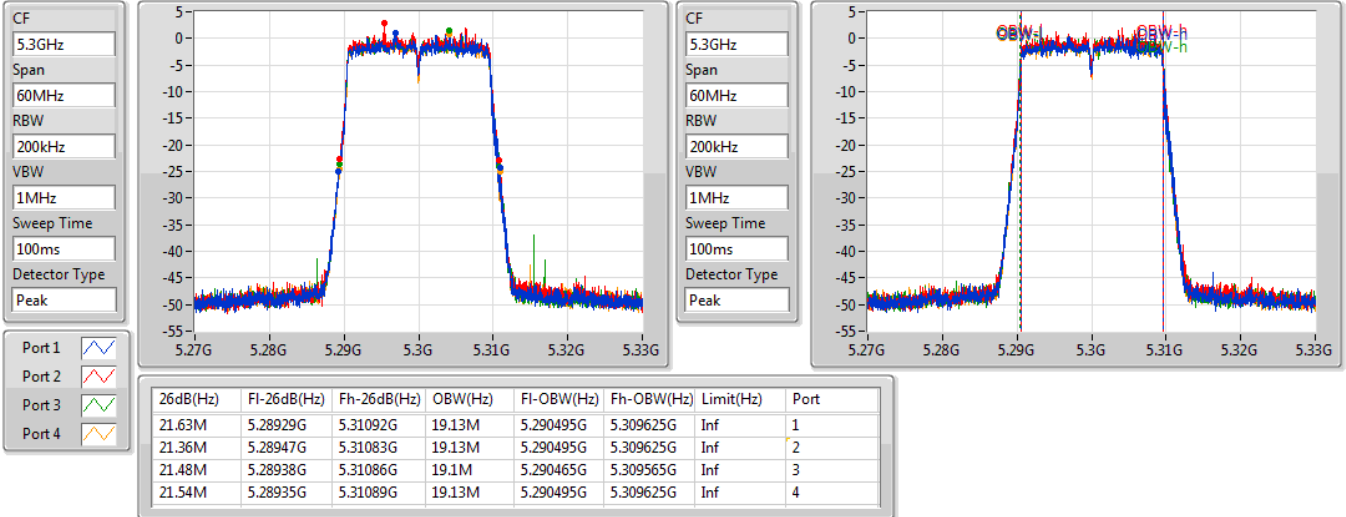


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

03/12/2019

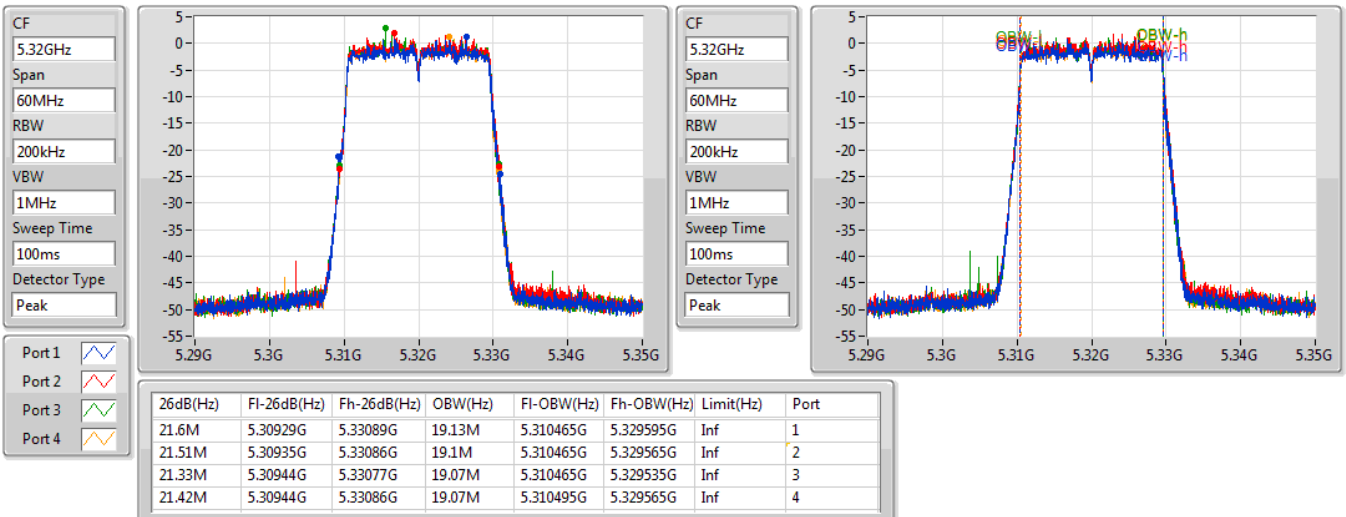


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

03/12/2019

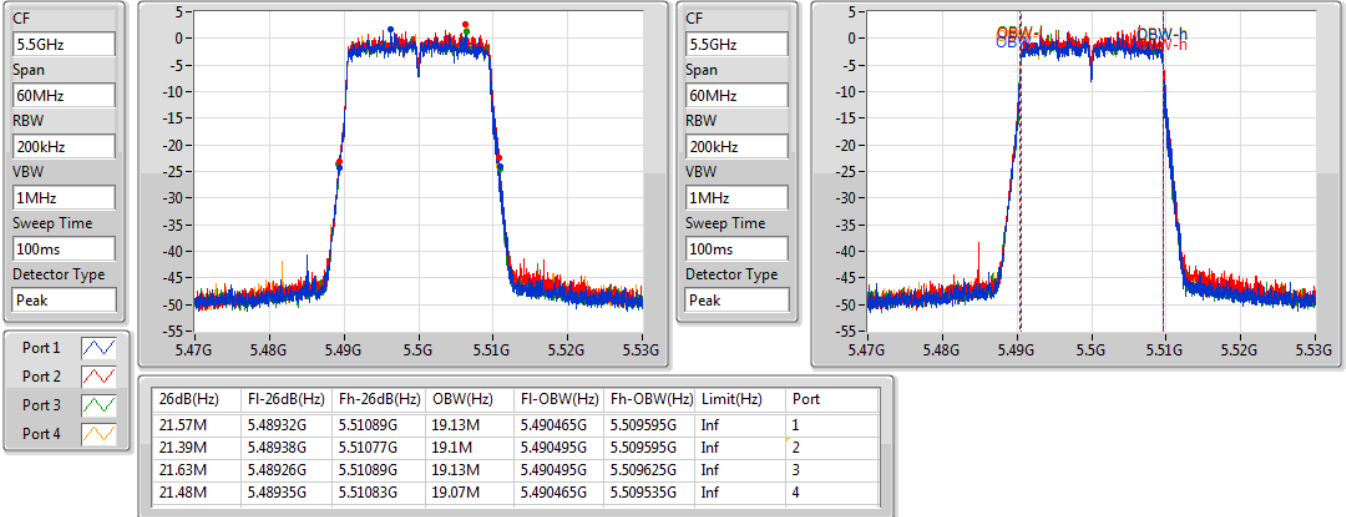


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

03/12/2019

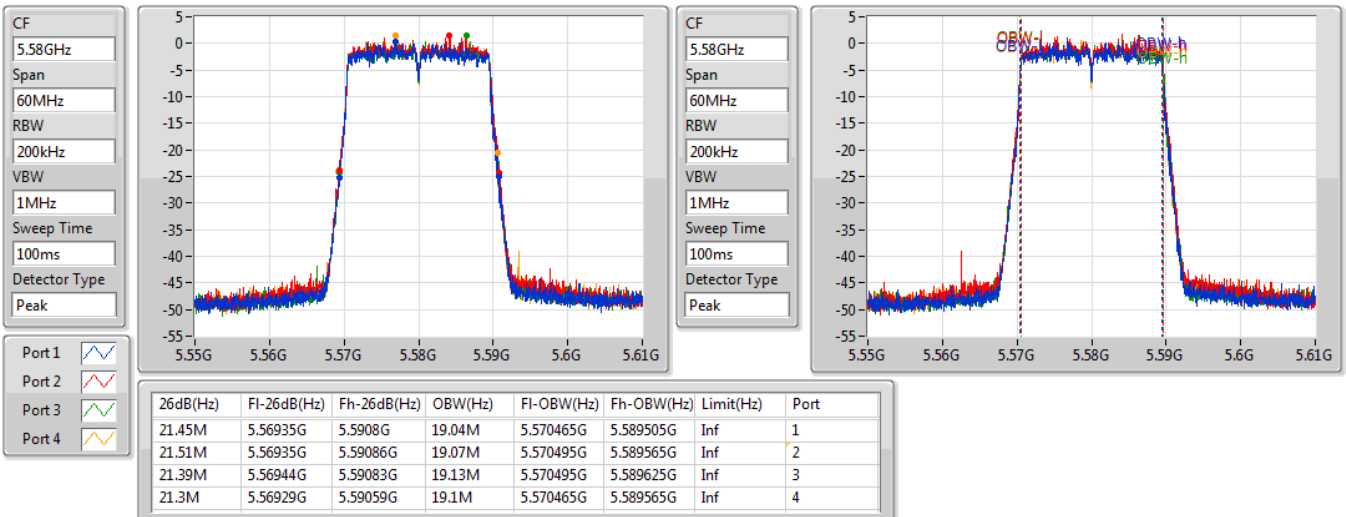


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

03/12/2019

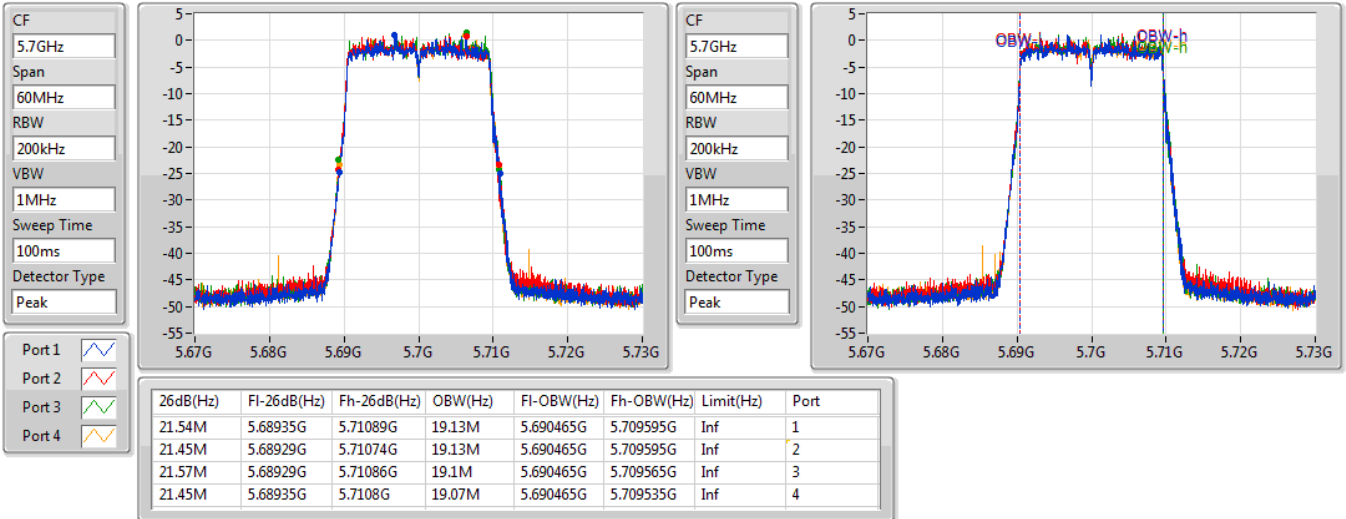


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

03/12/2019

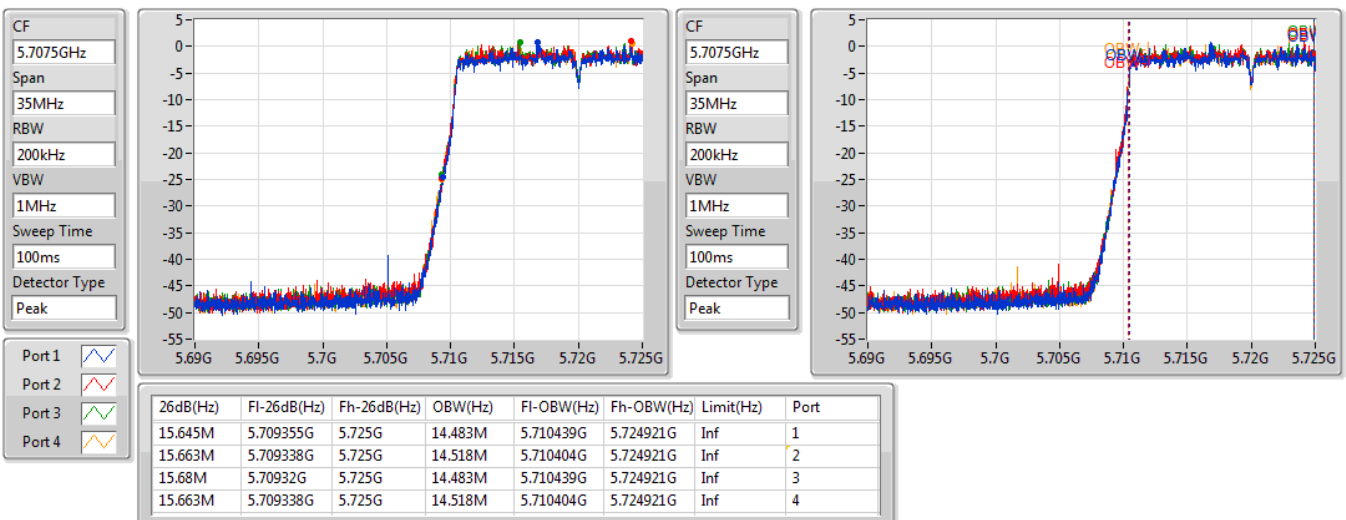


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/12/2019

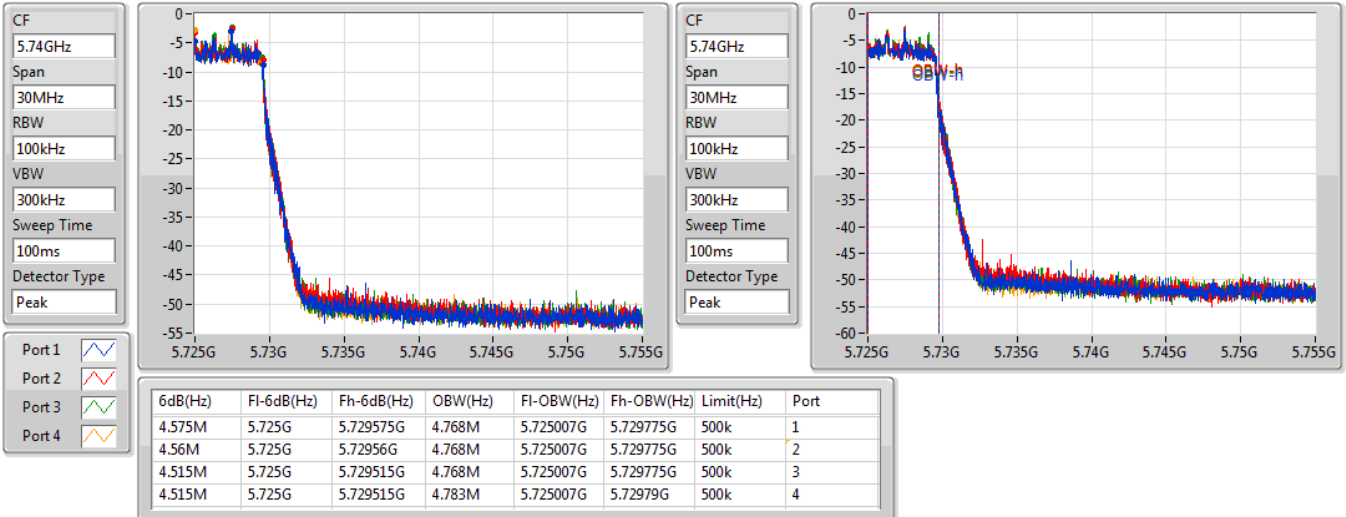


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/12/2019

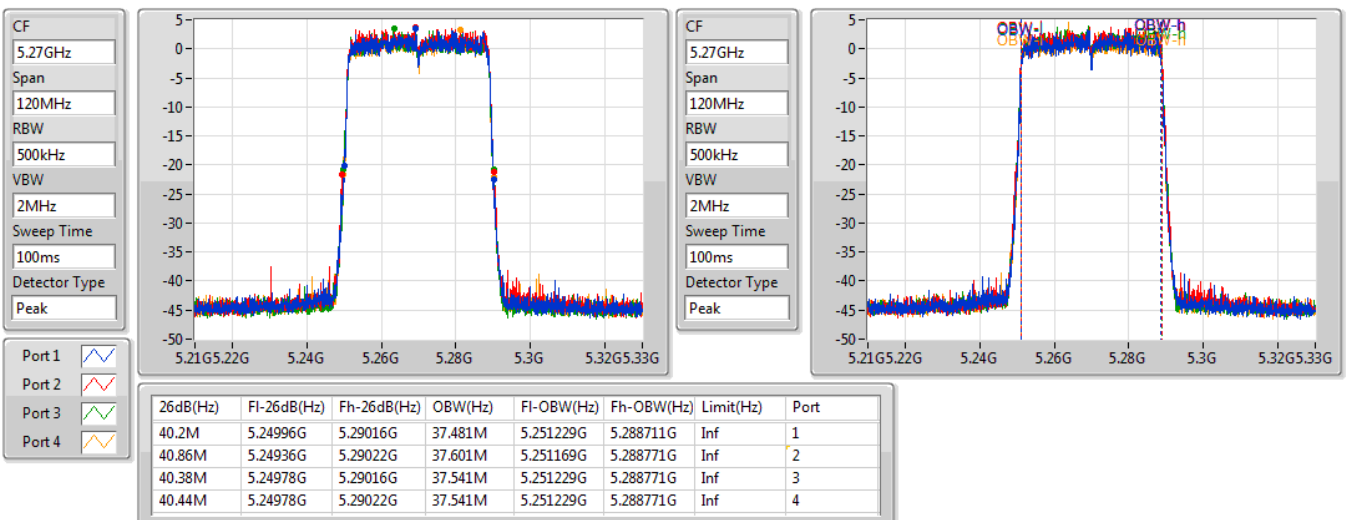


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

03/12/2019

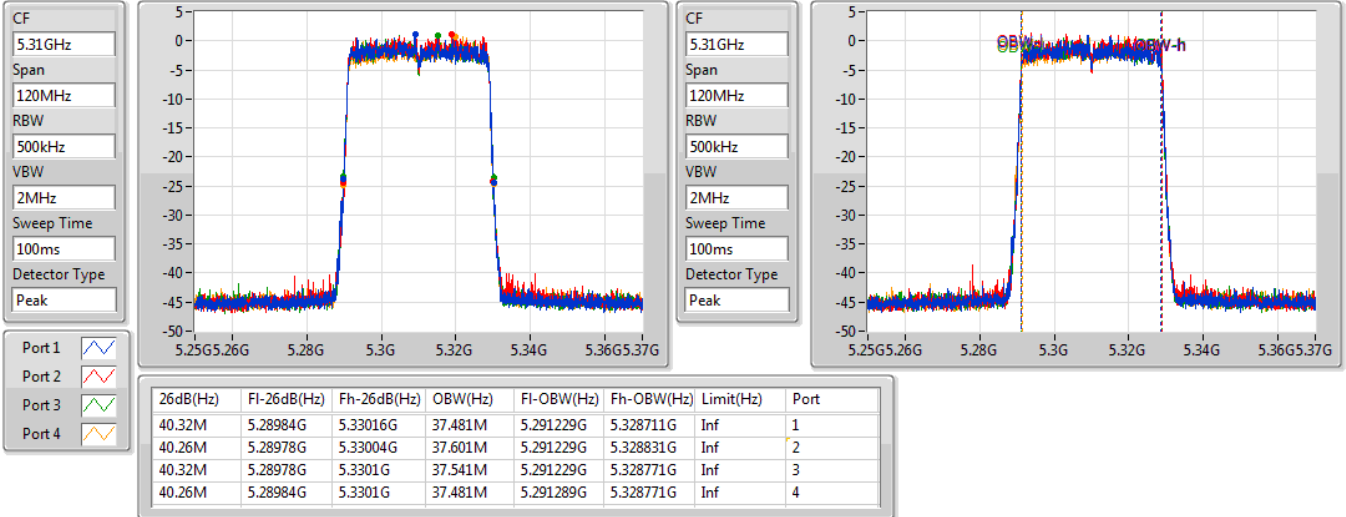


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

03/12/2019

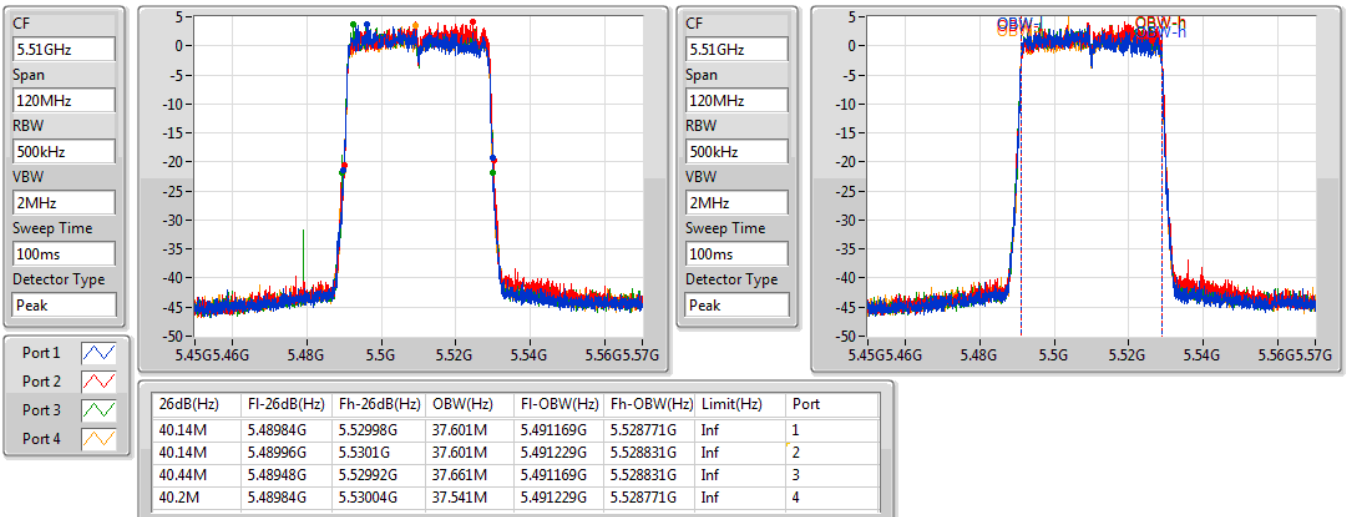


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

03/12/2019

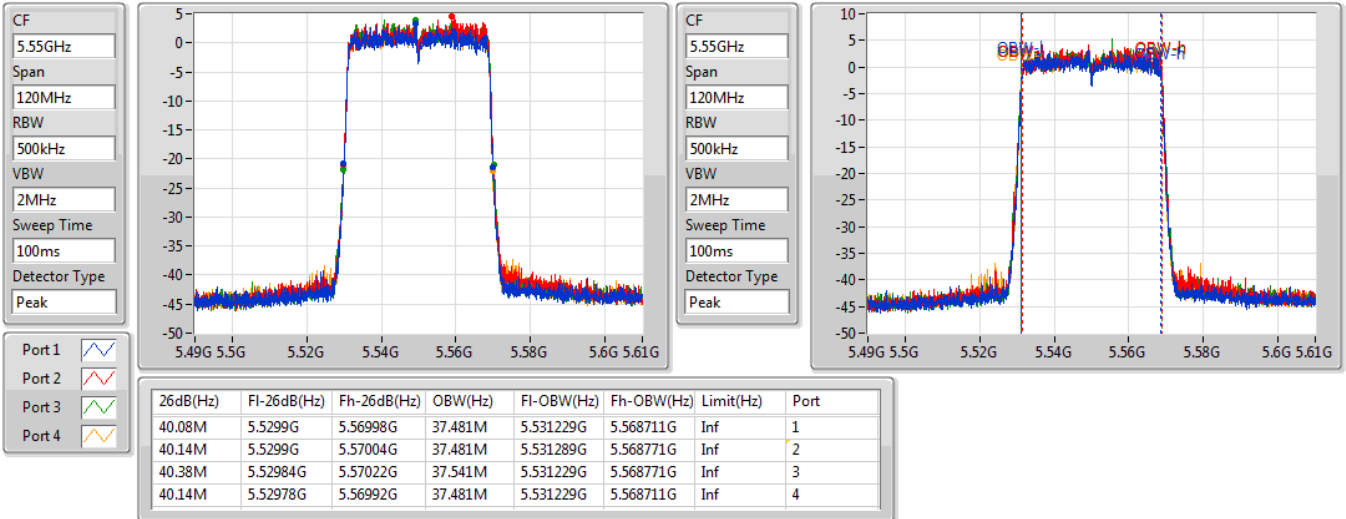


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

03/12/2019

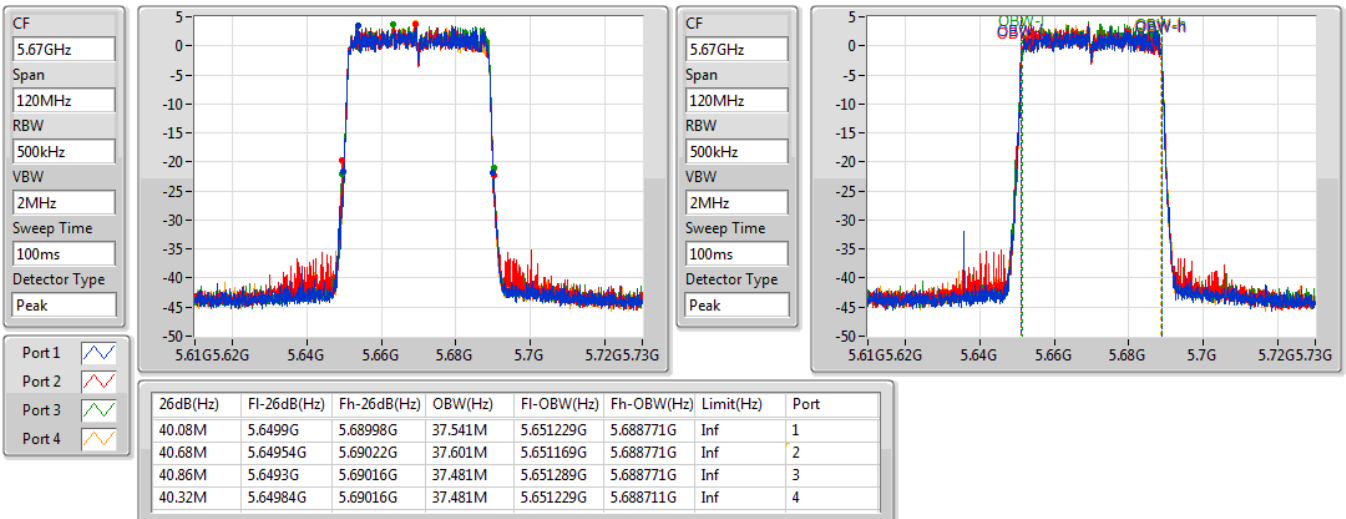


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

03/12/2019

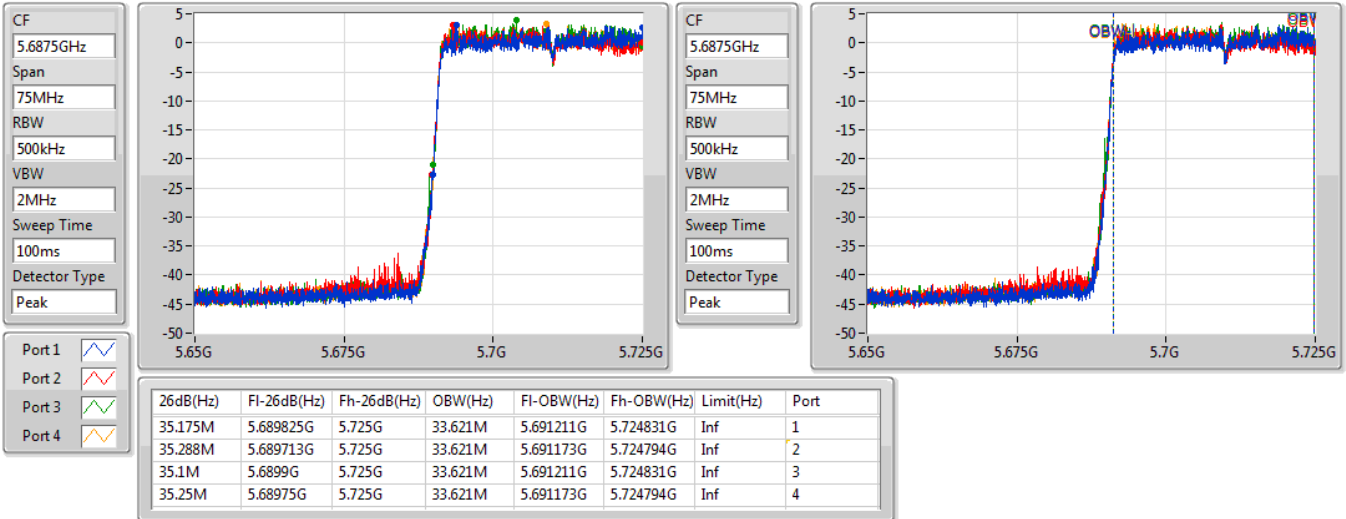


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.67-5.725GHz

03/12/2019

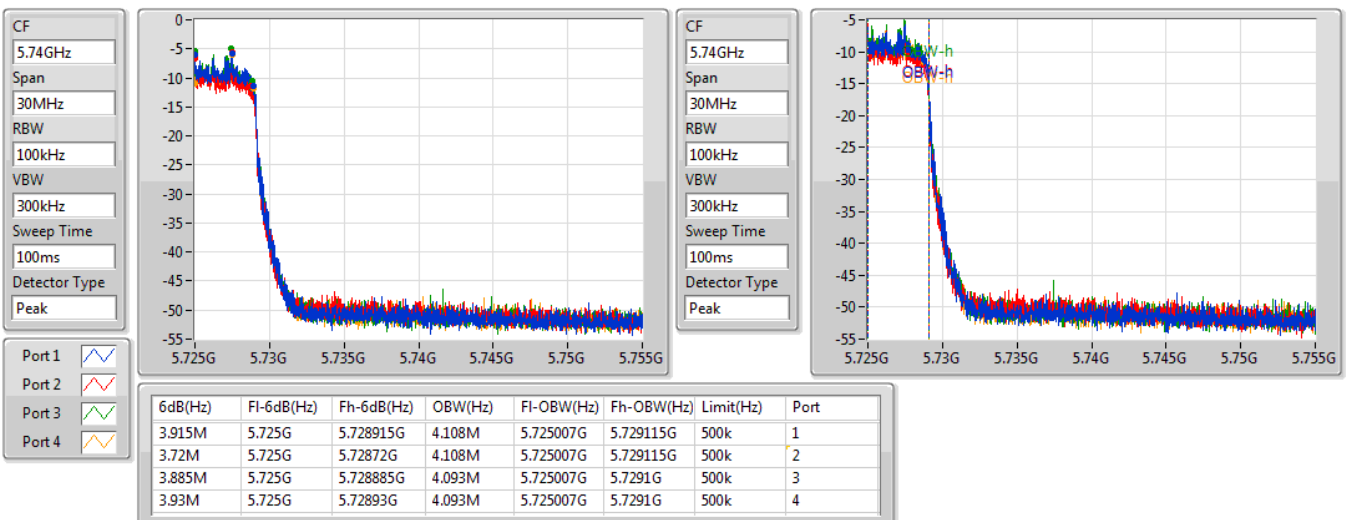


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/12/2019

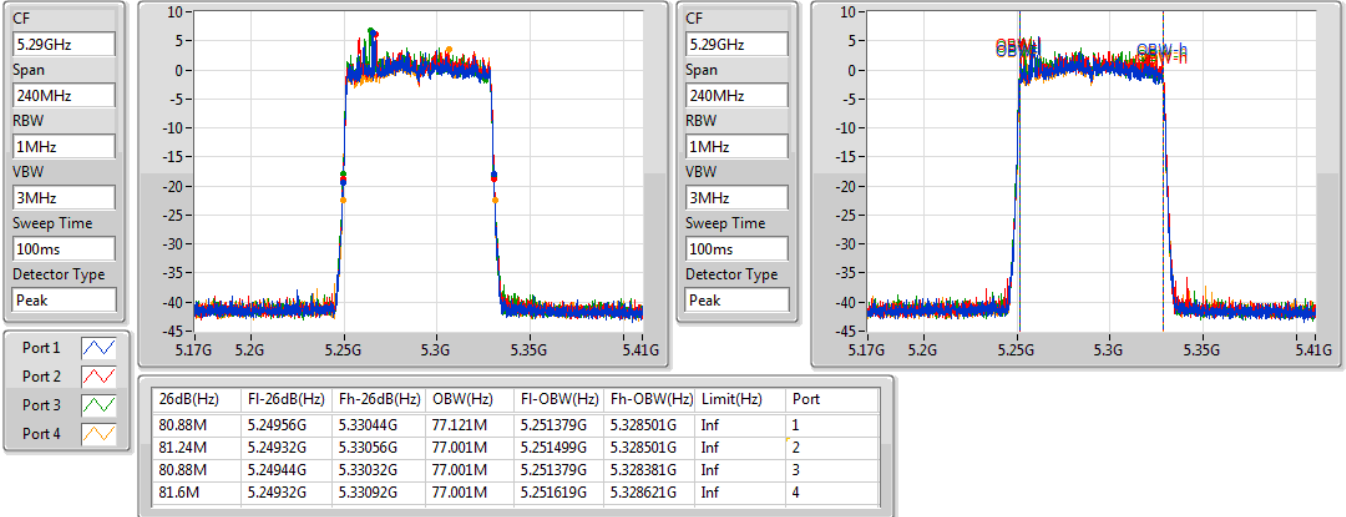


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

03/12/2019

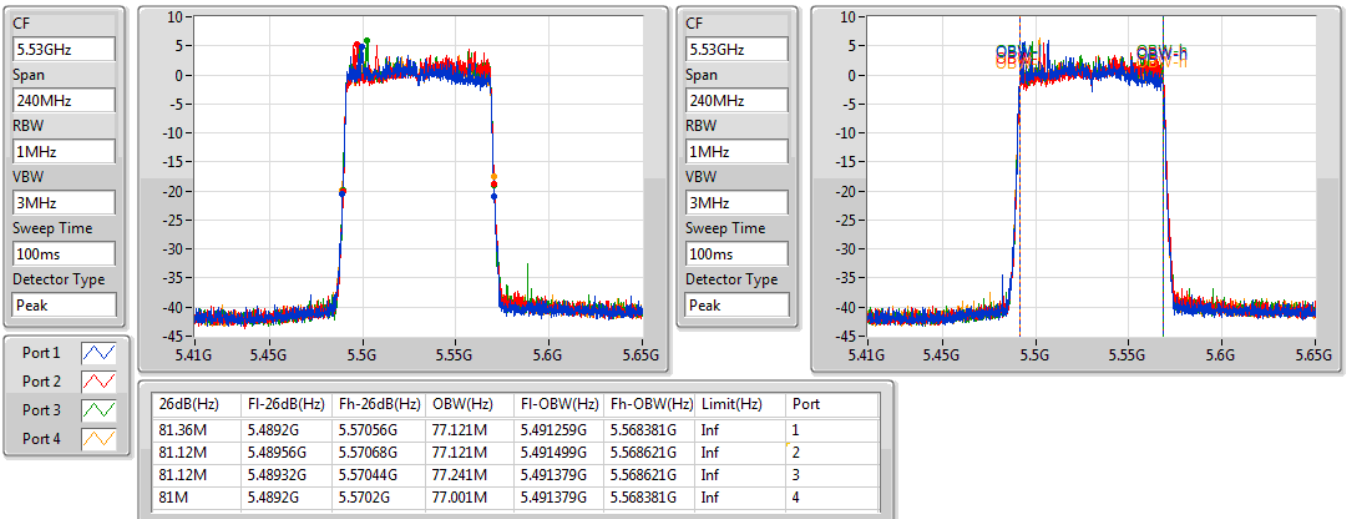


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

03/12/2019

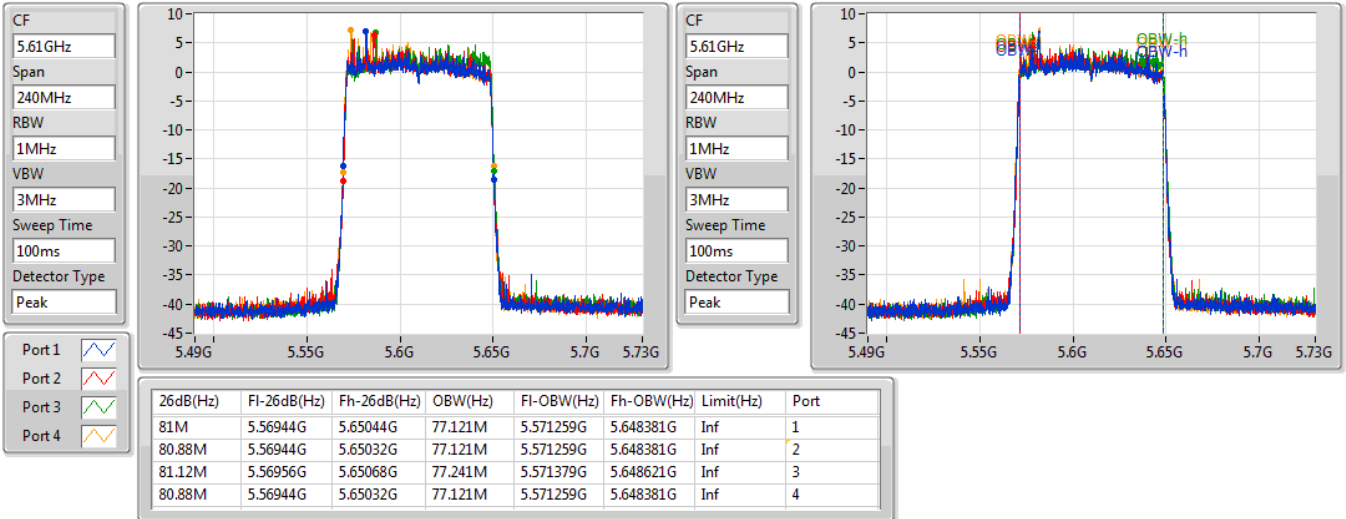


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

03/12/2019

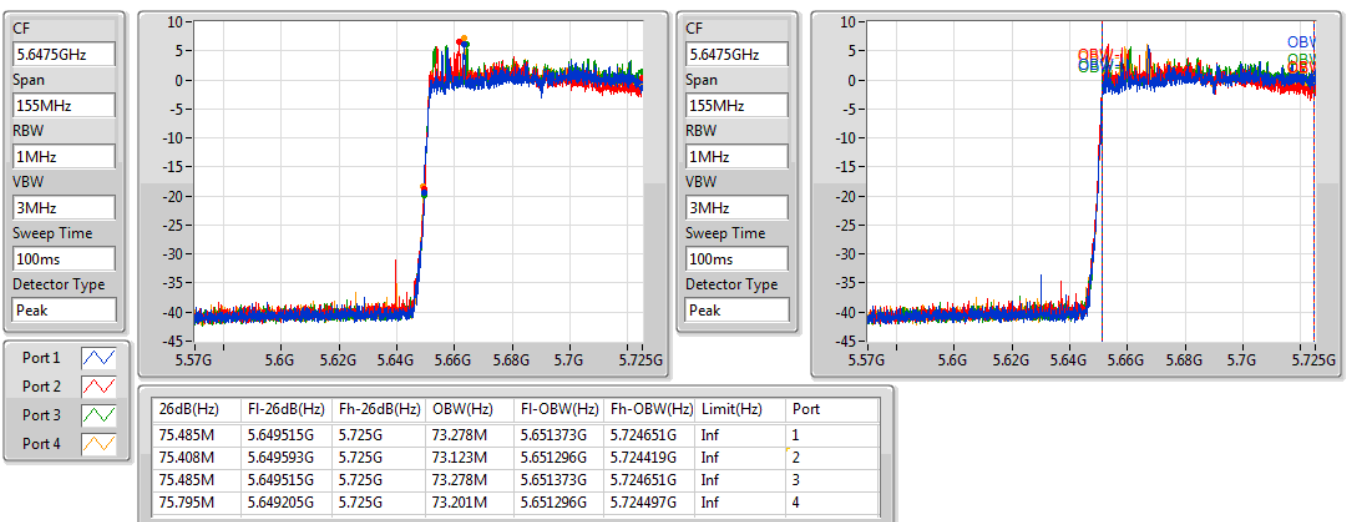


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/12/2019

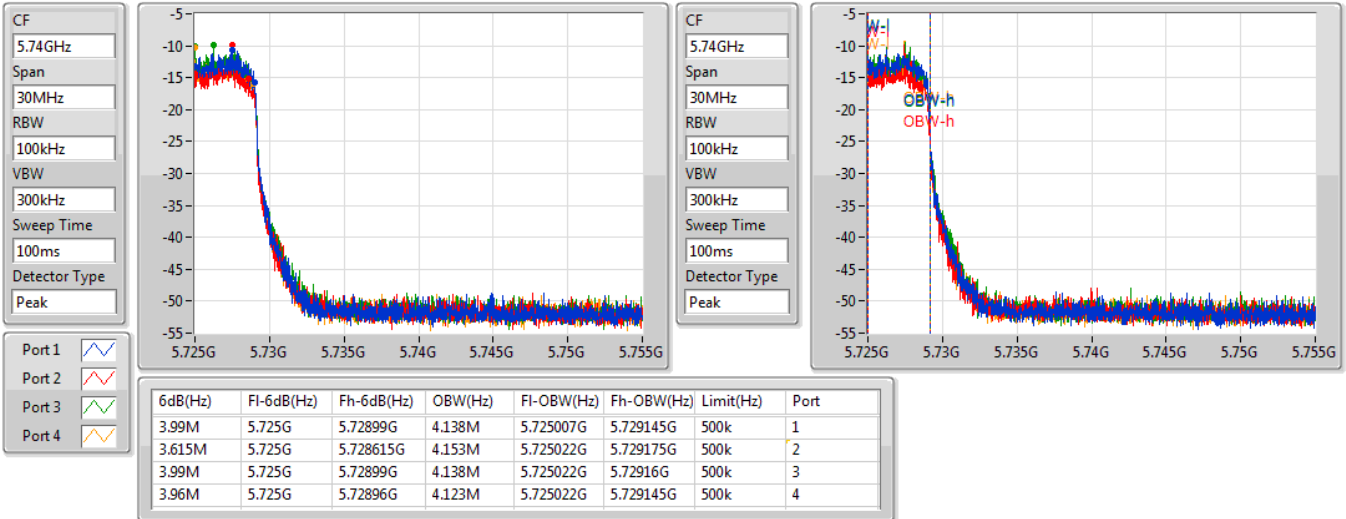


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/12/2019

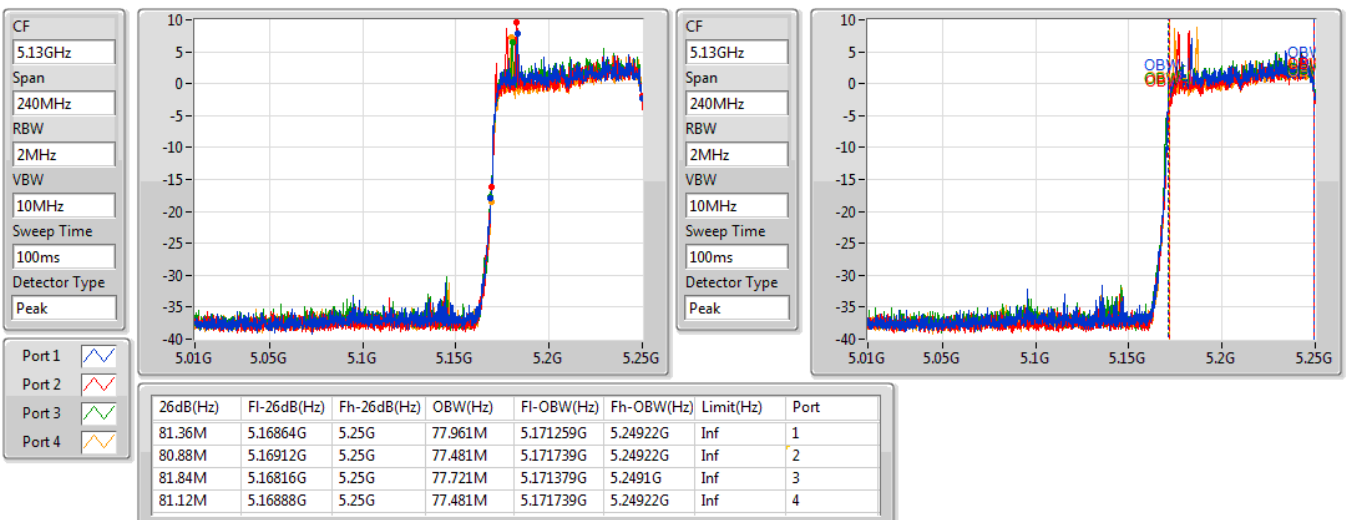


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

03/12/2019

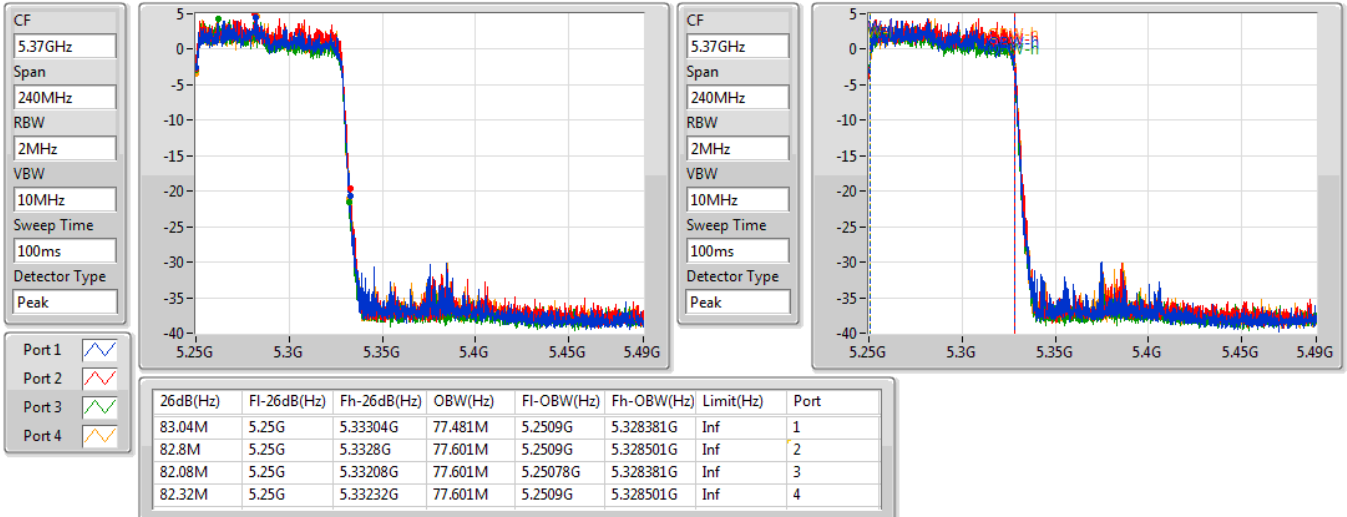


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

03/12/2019

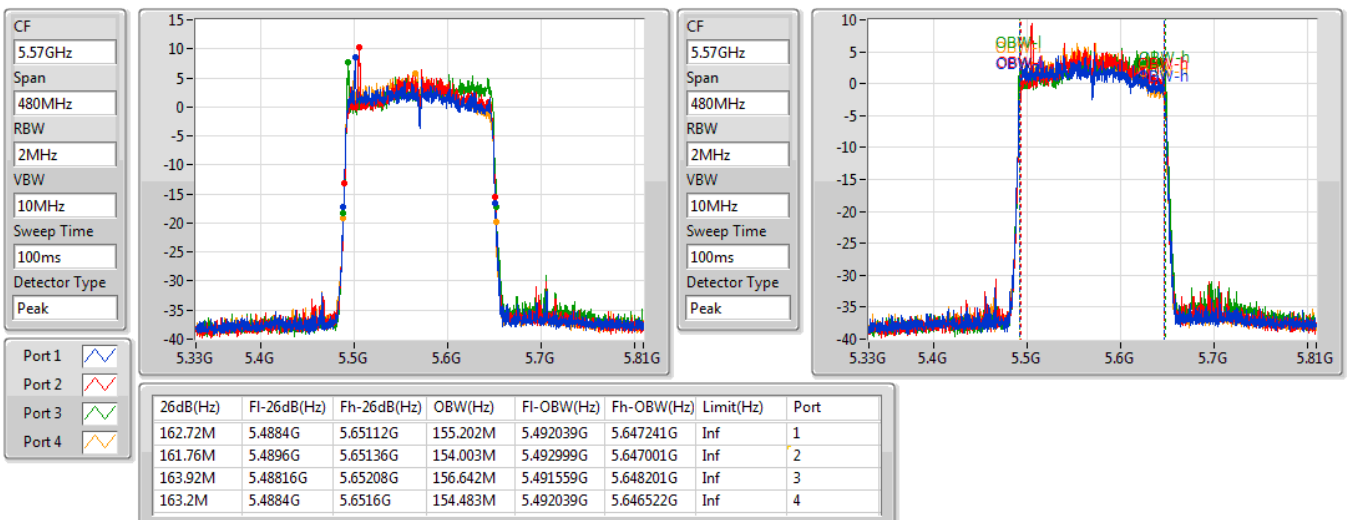


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

03/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	82.44M	76.762M	76M8D1D	80.64M	76.522M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.84M	77.601M	77M6D1D	80.88M	77.481M
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.6M	17.901M	17M9D1D	21.42M	17.811M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.26M	36.522M	36M5D1D	39.48M	36.342M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.96M	76.042M	76M0D1D	80.52M	75.562M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	82.2M	76.642M	76M6D1D	81.96M	76.402M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.6M	19.16M	19M2D1D	21.27M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.68M	37.541M	37M5D1D	39.9M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.72M	77.241M	77M2D1D	81.24M	77.001M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	83.76M	77.601M	77M6D1D	82.2M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.66M	17.931M	17M9D1D	15.698M	13.976M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.68M	36.522M	36M5D1D	34.838M	33.096M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	82.56M	76.162M	76M2D1D	75.33M	72.504M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	165.12M	154.003M	154MD1D	163.44M	153.523M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.66M	19.16M	19M2D1D	15.645M	14.5M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.56M	37.601M	37M6D1D	35.138M	33.621M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.84M	77.241M	77M2D1D	75.408M	73.123M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164.64M	155.202M	155MD1D	160.8M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	3.78M	4.453M	4M45D1D	3.765M	4.408M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	3.225M	3.718M	3M72D1D	3.15M	3.658M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	3.27M	4.078M	4M08D1D	3.105M	3.973M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.575M	4.798M	4M80D1D	4.47M	4.738M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.975M	4.108M	4M11D1D	3.795M	4.108M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.99M	4.198M	4M20D1D	3.93M	4.153M

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)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.57M	17.871M	21.45M	17.901M	21.42M	17.901M	21.6M	17.871M
5300MHz	Pass	Inf	21.54M	17.871M	21.48M	17.901M	21.57M	17.901M	21.54M	17.871M
5320MHz	Pass	Inf	21.57M	17.811M	21.51M	17.901M	21.54M	17.901M	21.48M	17.871M
5500MHz	Pass	Inf	21.57M	17.901M	21.63M	17.871M	21.48M	17.871M	21.51M	17.901M
5580MHz	Pass	Inf	21.51M	17.841M	21.51M	17.871M	21.51M	17.901M	21.51M	17.871M
5700MHz	Pass	Inf	21.63M	17.841M	21.51M	17.901M	21.51M	17.871M	21.66M	17.931M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.715M	13.976M	15.785M	13.993M	15.698M	13.976M	15.785M	14.028M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.438M	3.765M	4.423M	3.765M	4.453M	3.765M	4.408M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.96M	36.522M	40.26M	36.342M	39.84M	36.402M	39.78M	36.402M
5310MHz	Pass	Inf	40.14M	36.462M	39.78M	36.402M	39.48M	36.462M	39.72M	36.522M
5510MHz	Pass	Inf	40.62M	36.342M	40.02M	36.462M	39.66M	36.402M	40.2M	36.402M
5550MHz	Pass	Inf	40.26M	36.342M	39.78M	36.462M	40.38M	36.402M	39.78M	36.522M
5670MHz	Pass	Inf	40.68M	36.402M	39.78M	36.342M	39.72M	36.462M	40.2M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.096M	35.063M	33.208M	35.438M	33.133M	34.838M	33.133M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.658M	3.225M	3.688M	3.15M	3.673M	3.15M	3.718M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	80.64M	75.562M	80.52M	75.682M	81.96M	76.042M	80.88M	75.682M
5530MHz	Pass	Inf	82.56M	75.802M	81.36M	75.682M	80.76M	75.802M	81.24M	76.162M
5610MHz	Pass	Inf	80.52M	75.682M	80.88M	75.682M	80.76M	75.802M	80.52M	75.682M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.563M	72.504M	75.485M	72.814M	75.485M	72.504M	75.33M	72.504M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	4.003M	3.27M	4.078M	3.105M	3.973M	3.135M	3.988M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.44M	76.762M	81.96M	76.522M	80.64M	76.762M	81.96M	76.642M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.96M	76.642M	82.2M	76.642M	81.96M	76.402M	82.2M	76.522M
5570MHz	Pass	Inf	165.12M	154.003M	163.44M	153.523M	165.12M	154.003M	163.44M	154.003M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.27M	19.1M	21.45M	19.07M	21.45M	19.07M	21.48M	19.16M
5300MHz	Pass	Inf	21.54M	19.1M	21.45M	19.1M	21.45M	19.07M	21.51M	19.13M
5320MHz	Pass	Inf	21.6M	19.1M	21.51M	19.13M	21.57M	19.07M	21.45M	19.04M
5500MHz	Pass	Inf	21.54M	19.13M	21.36M	19.04M	21.66M	19.13M	21.54M	19.1M
5580MHz	Pass	Inf	21.6M	19.16M	21.39M	19.07M	21.48M	19.07M	21.45M	19.1M
5700MHz	Pass	Inf	21.42M	19.04M	21.45M	19.1M	21.54M	19.07M	21.48M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.645M	14.5M	15.663M	14.5M	15.68M	14.5M	15.698M	14.535M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.515M	4.738M	4.545M	4.768M	4.575M	4.798M	4.47M	4.753M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.9M	37.541M	40.08M	37.541M	40.68M	37.541M	40.32M	37.481M
5310MHz	Pass	Inf	40.26M	37.481M	40.14M	37.541M	39.96M	37.541M	40.2M	37.481M
5510MHz	Pass	Inf	40.5M	37.541M	40.08M	37.601M	40.32M	37.601M	40.2M	37.601M
5550MHz	Pass	Inf	40.08M	37.541M	40.56M	37.601M	40.26M	37.541M	40.32M	37.541M
5670MHz	Pass	Inf	40.32M	37.541M	40.08M	37.481M	40.2M	37.541M	40.32M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.138M	33.658M	35.25M	33.621M	35.25M	33.621M	35.175M	33.621M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	4.108M	3.96M	4.108M	3.855M	4.108M	3.975M	4.108M



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 HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.72M	77.121M	81.36M	77.241M	81.72M	77.001M	81.24M	77.121M
5530MHz	Pass	Inf	80.76M	77.121M	81.36M	77.121M	81.24M	77.001M	80.88M	76.882M
5610MHz	Pass	Inf	81.12M	77.121M	80.88M	76.882M	81.84M	77.241M	81.12M	77.001M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.408M	73.278M	75.795M	73.123M	75.563M	73.278M	75.64M	73.201M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.99M	4.168M	3.93M	4.198M	3.975M	4.153M	3.99M	4.183M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.88M	77.481M	81.12M	77.601M	81.84M	77.601M	81.48M	77.601M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.2M	77.601M	82.2M	77.481M	82.68M	77.601M	83.76M	77.601M
5570MHz	Pass	Inf	163.92M	154.963M	162.96M	154.723M	164.64M	155.202M	160.8M	154.723M

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

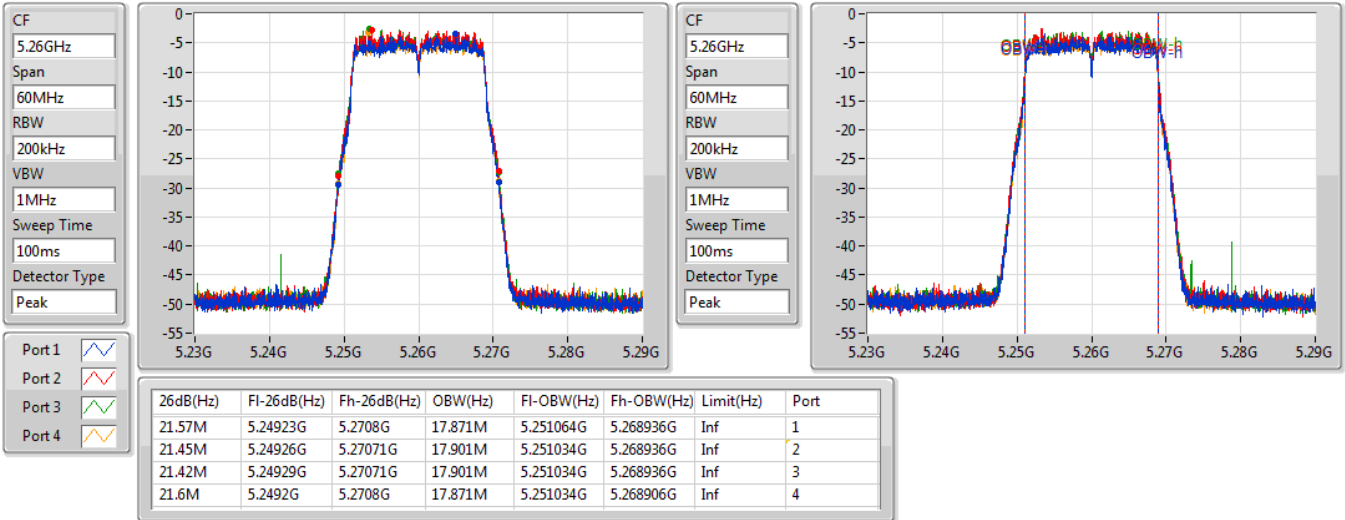
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

03/12/2019

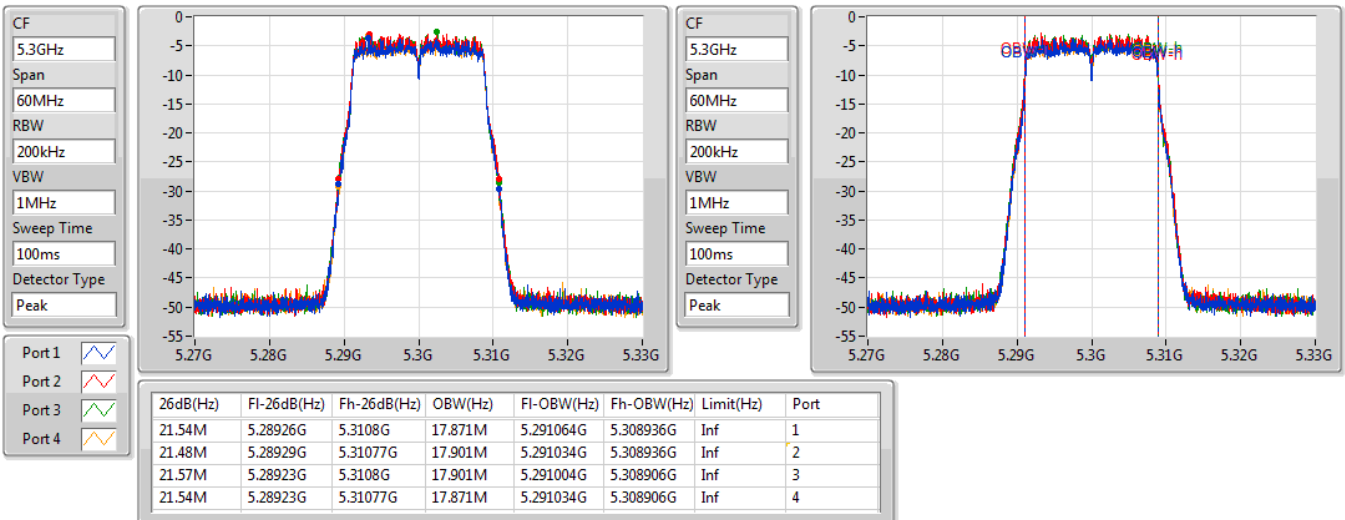


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

03/12/2019

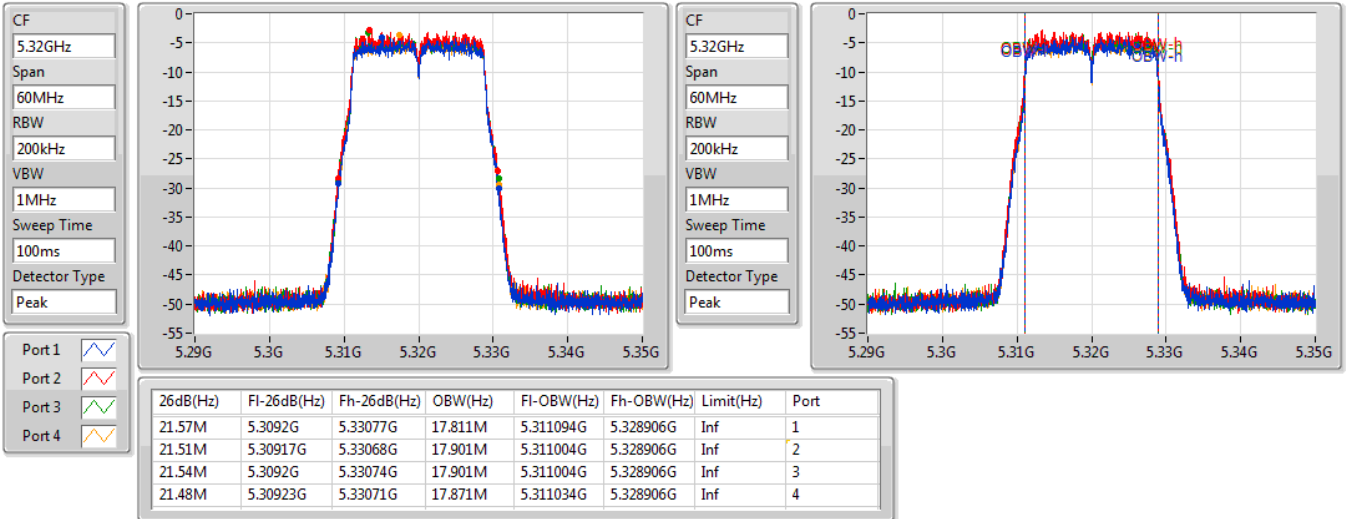


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

03/12/2019

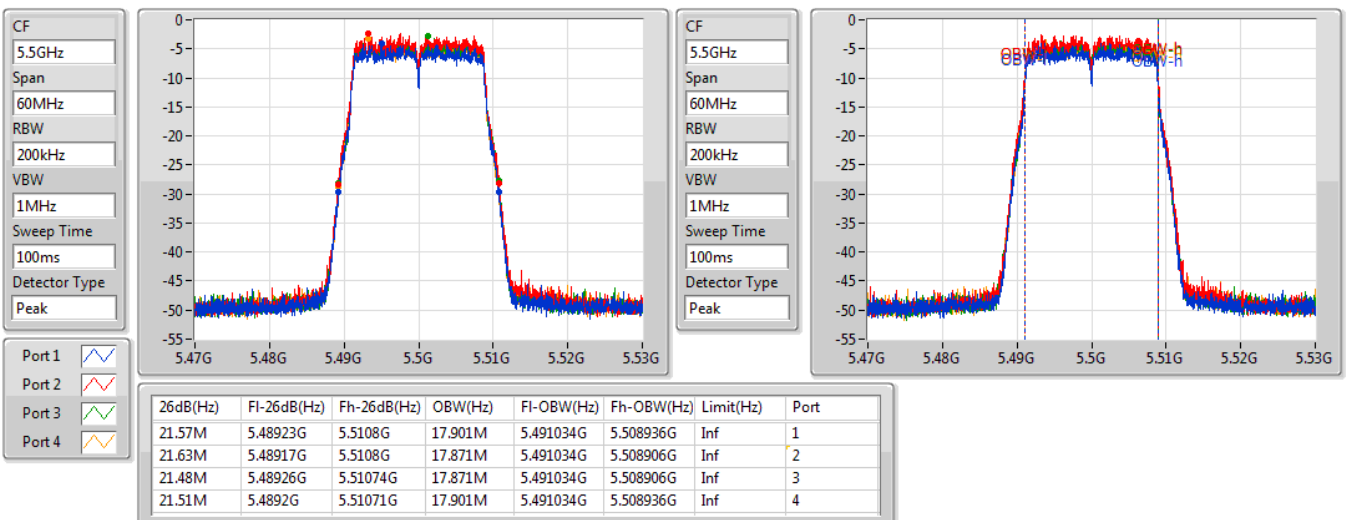


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

03/12/2019

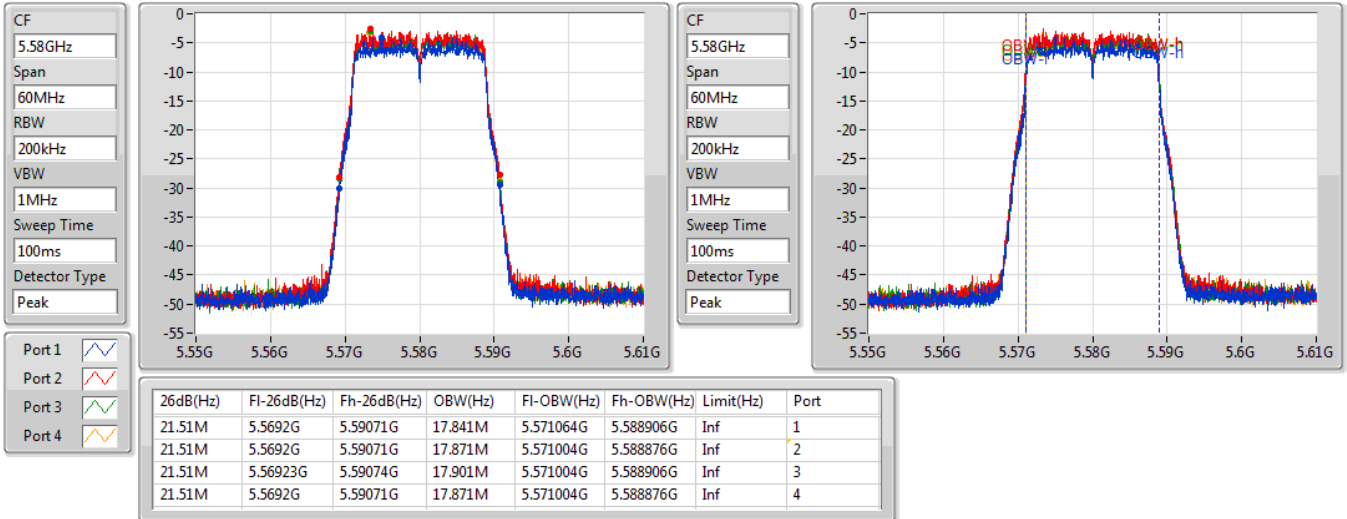


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

03/12/2019

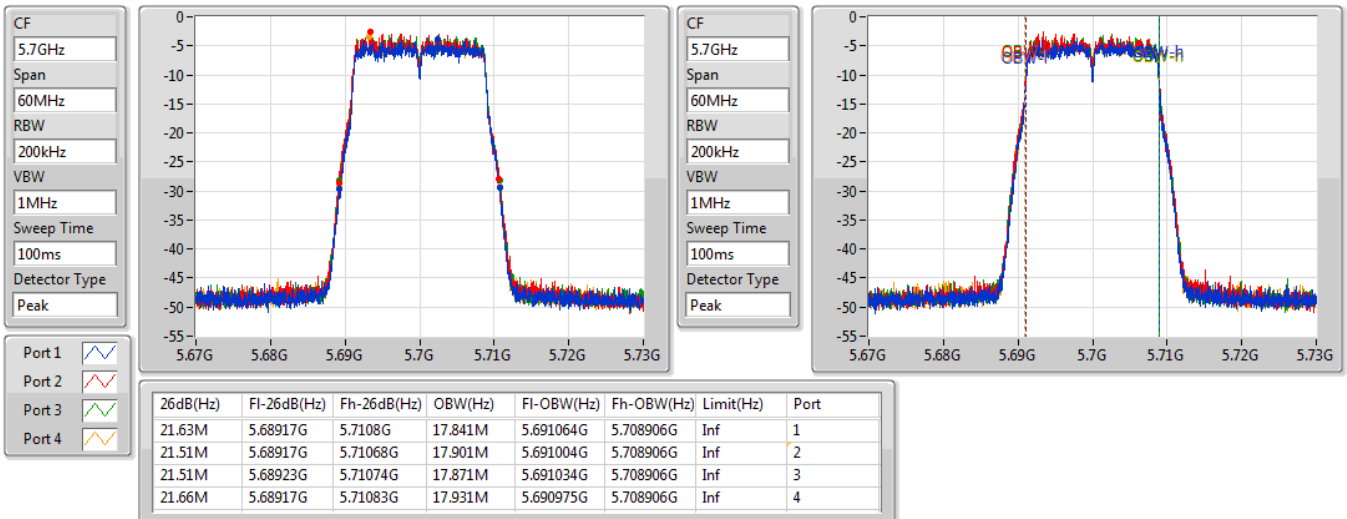


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

03/12/2019

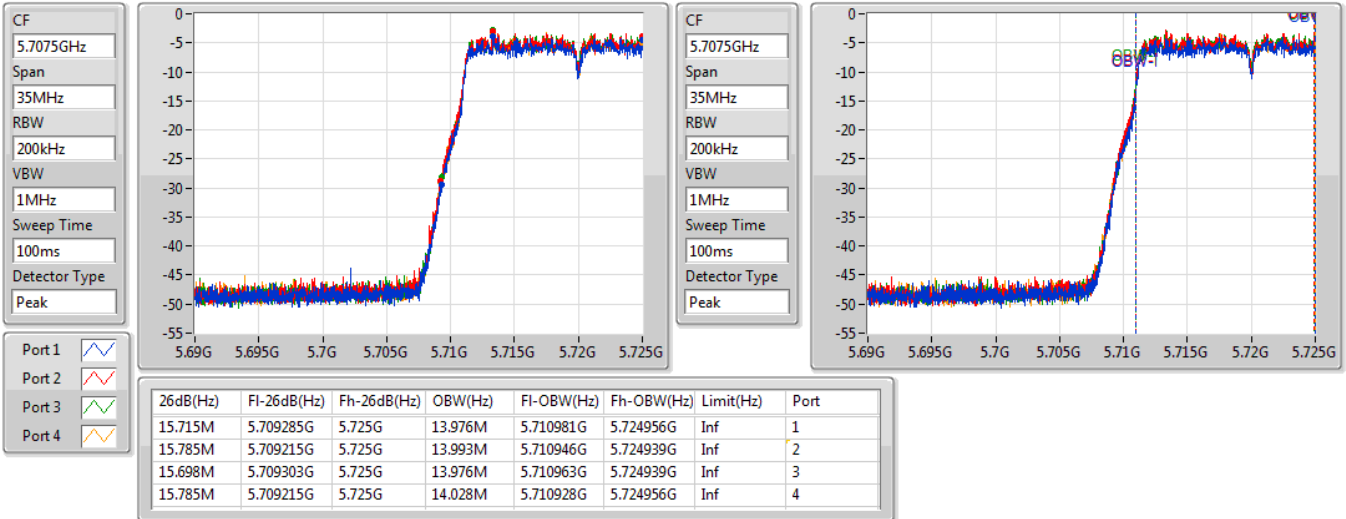


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/12/2019

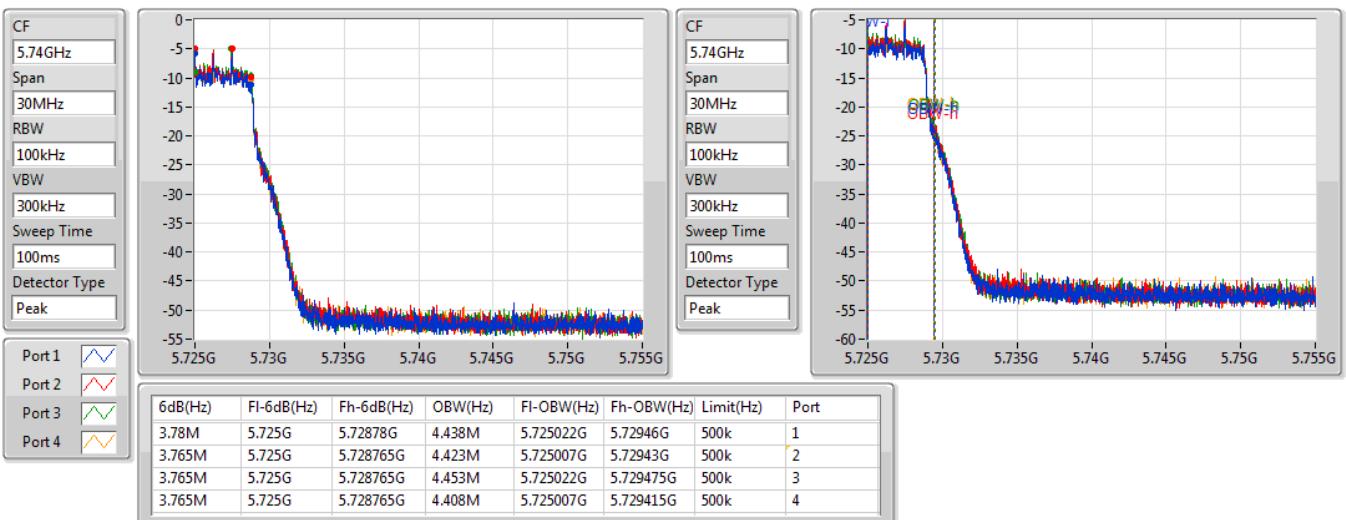


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/12/2019

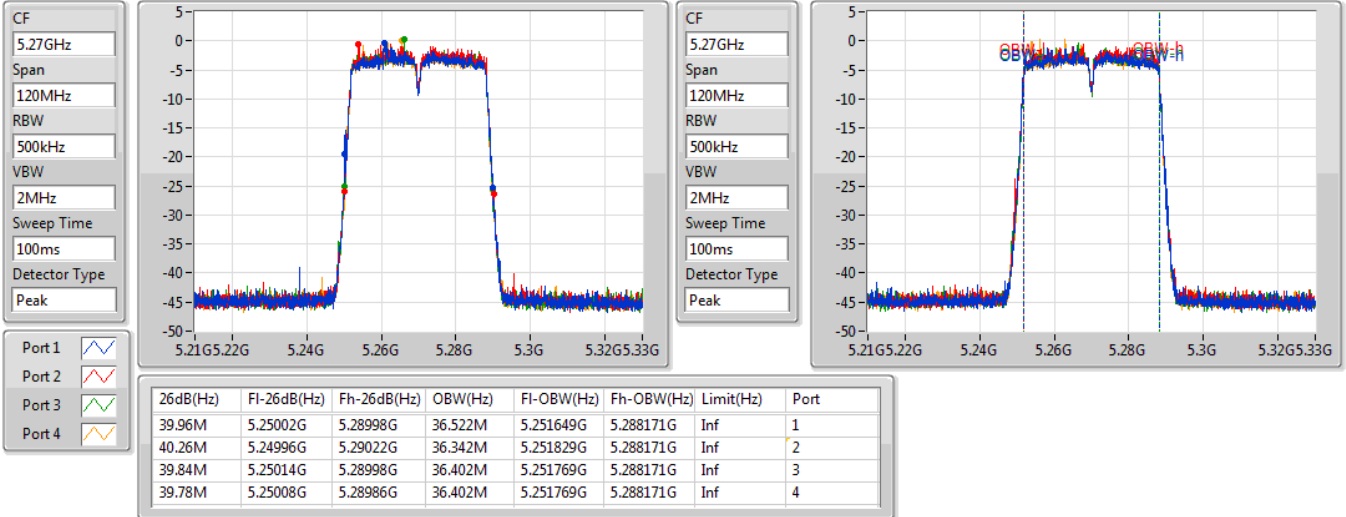


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

03/12/2019

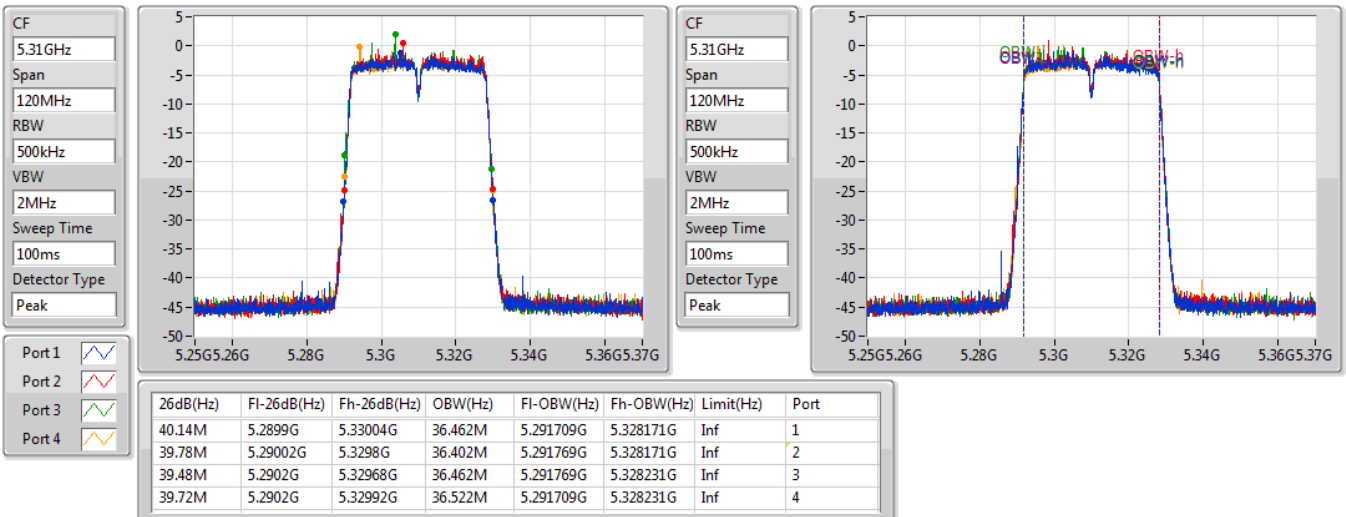


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

03/12/2019

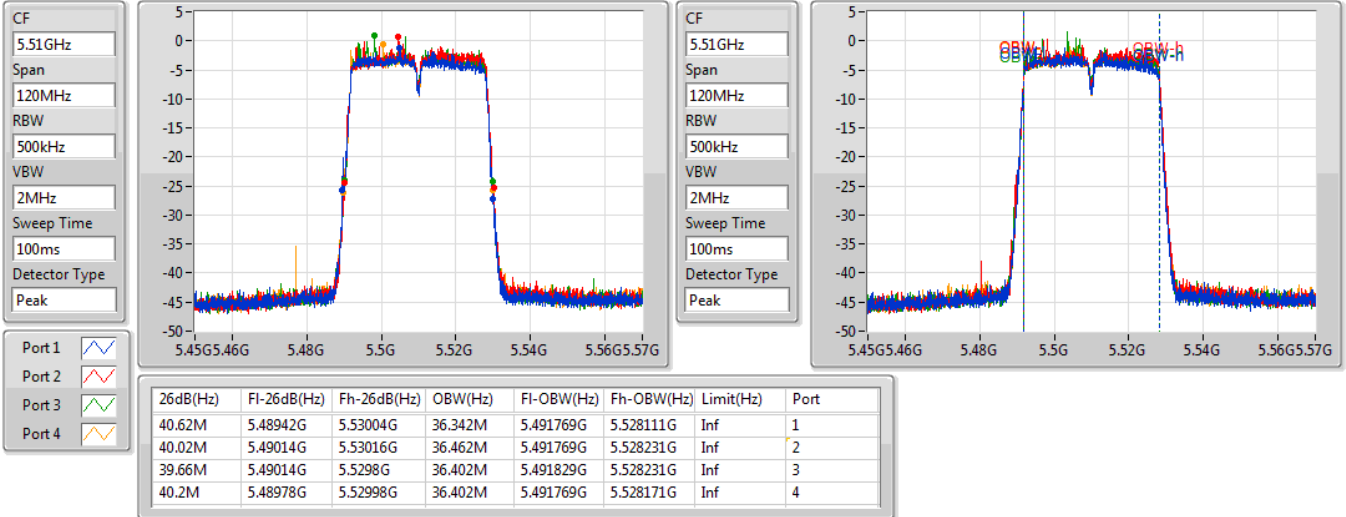


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

03/12/2019

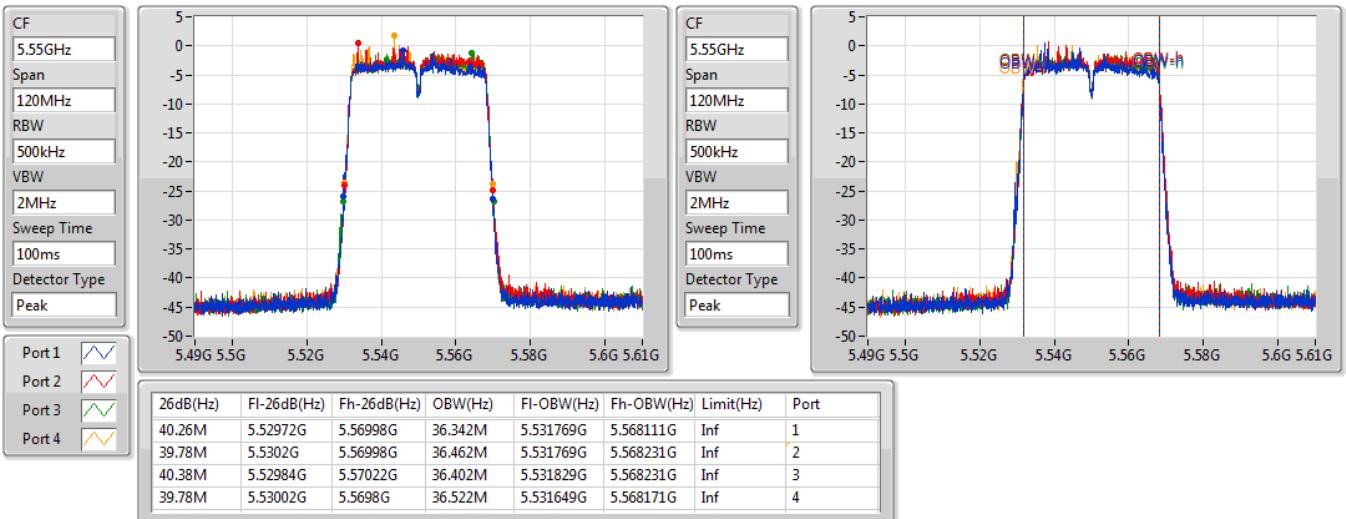


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

03/12/2019

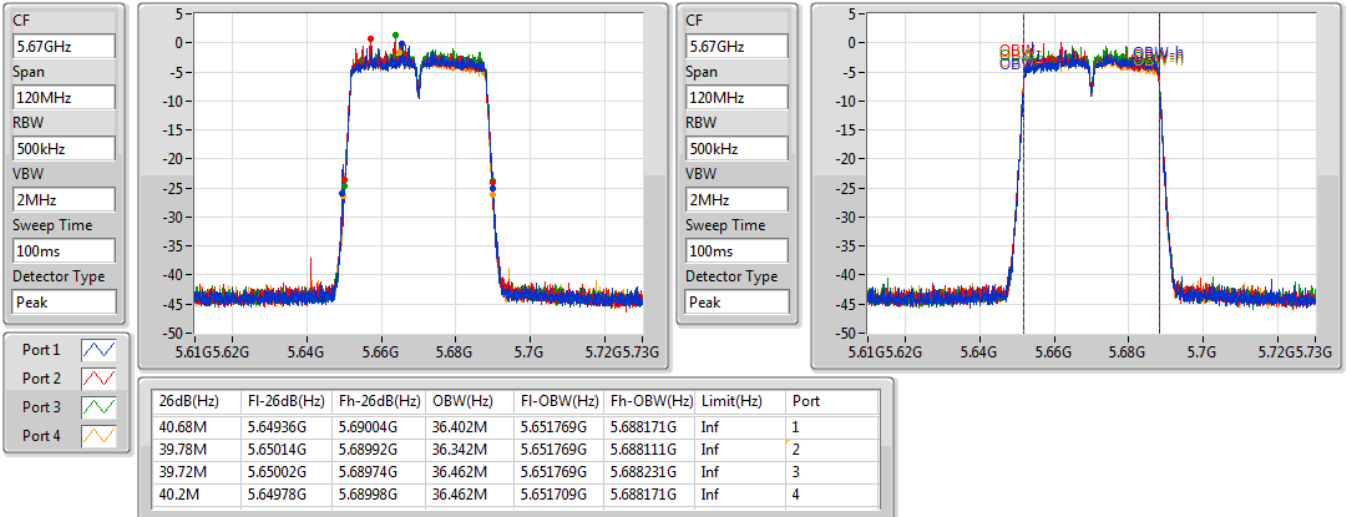


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

03/12/2019

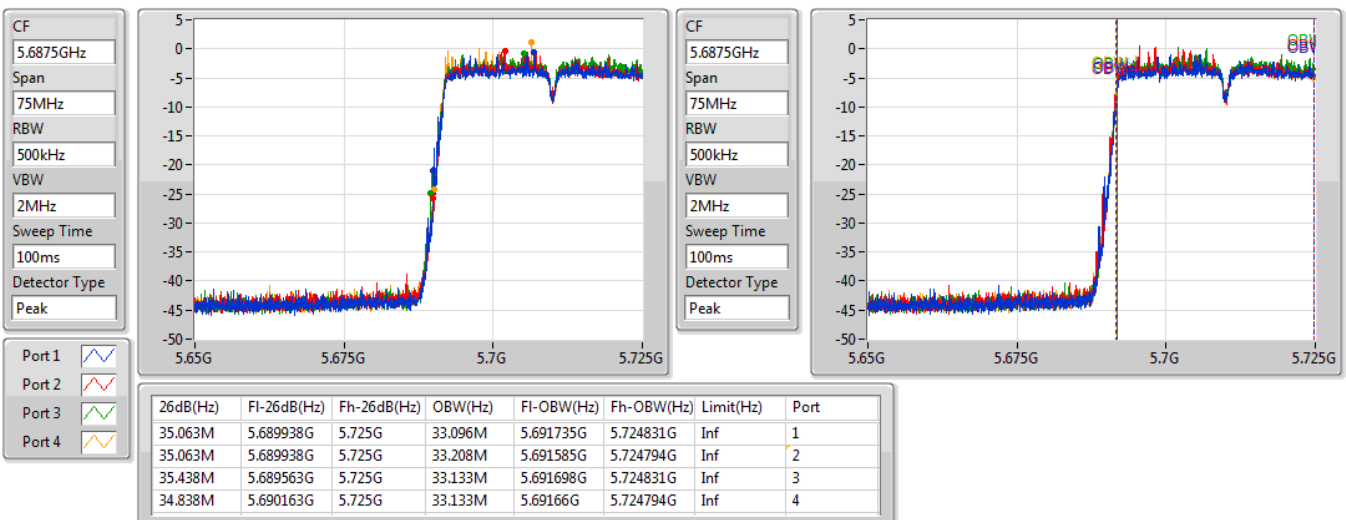


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/12/2019

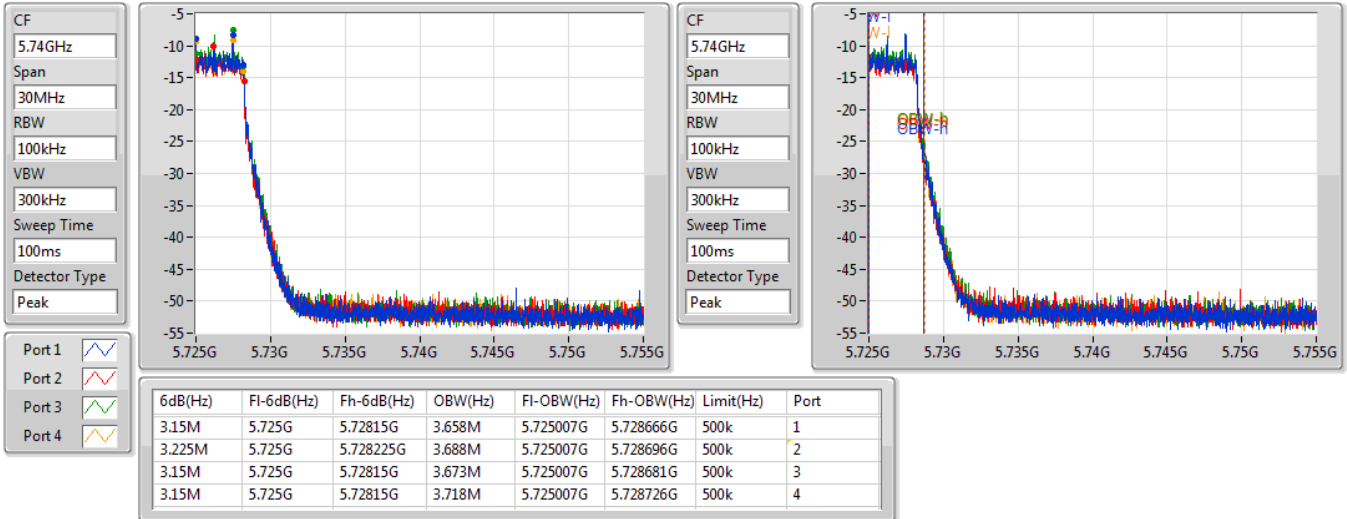


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/12/2019

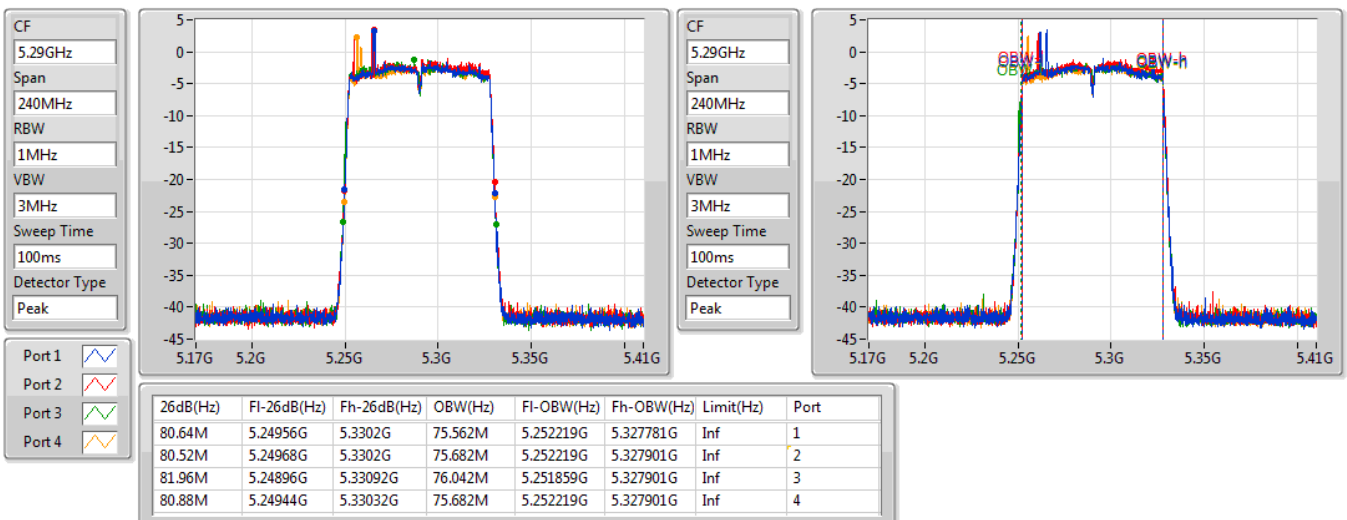


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

03/12/2019

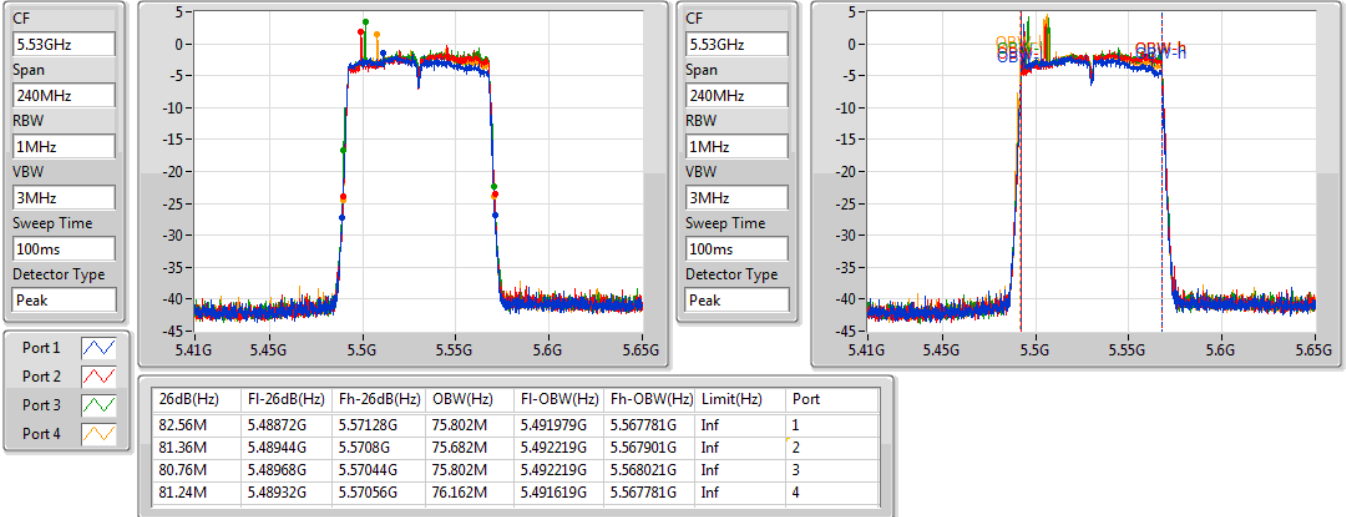


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

03/12/2019

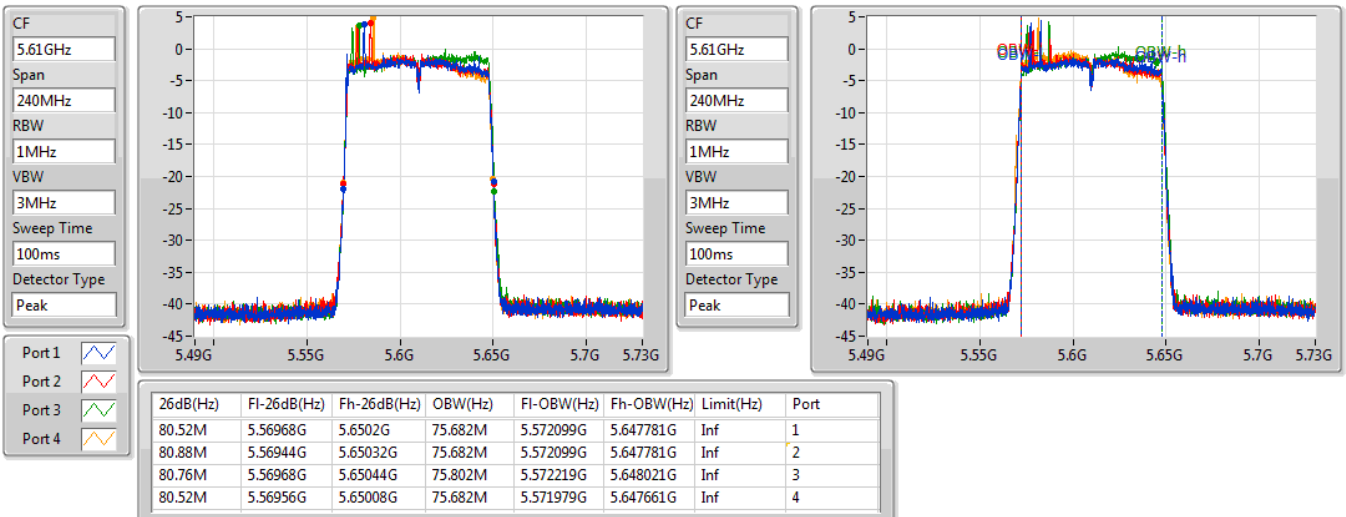


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

03/12/2019

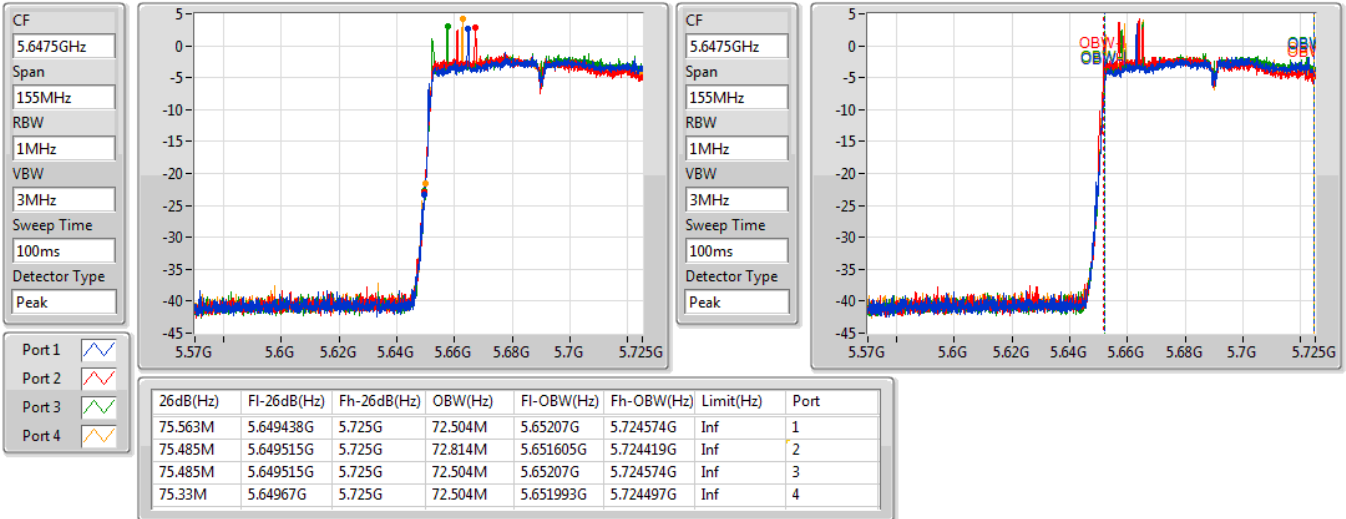


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

04/12/2019

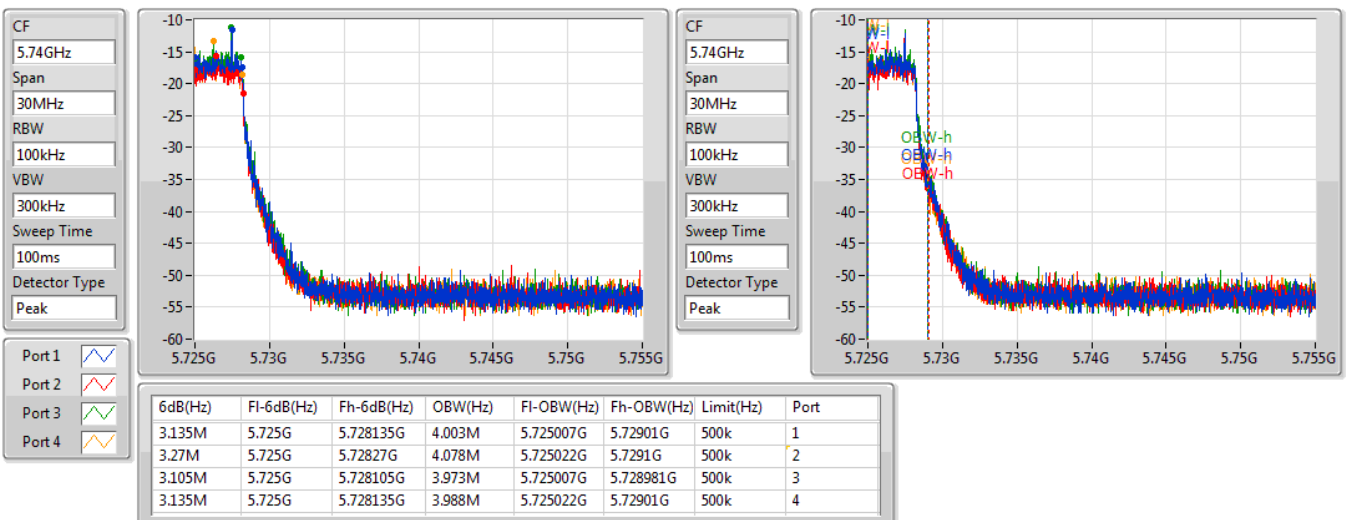


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/12/2019

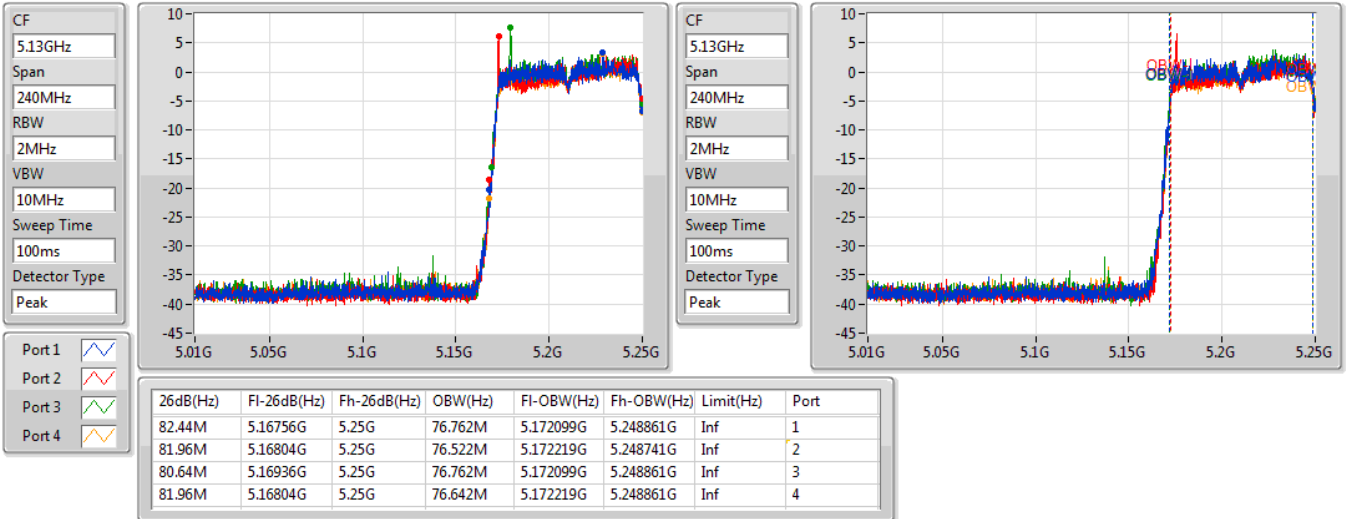


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

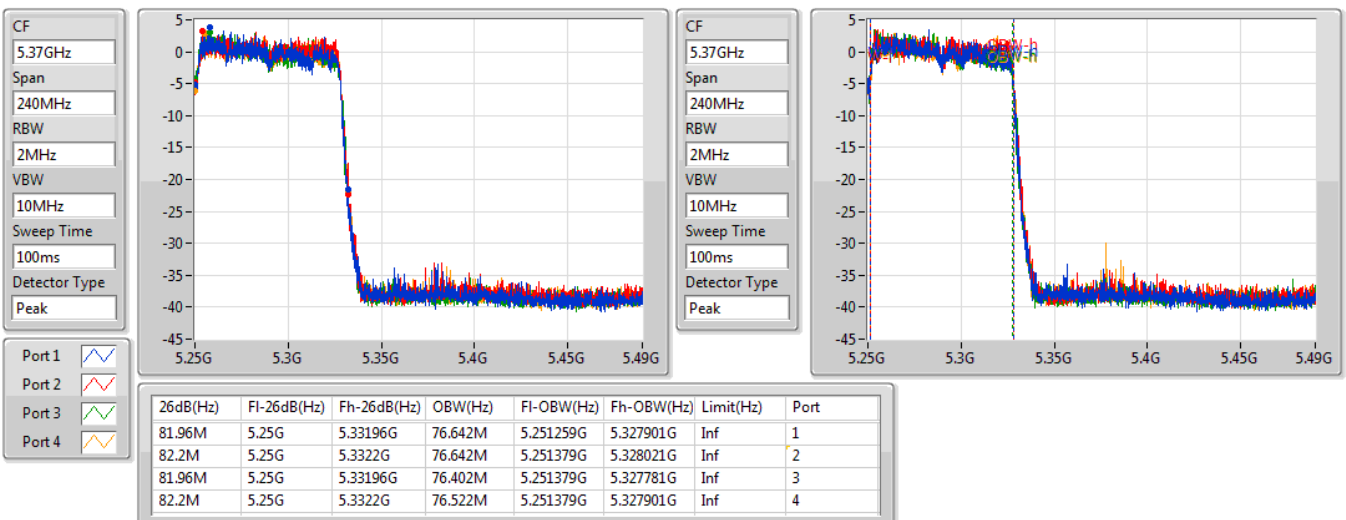


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/12/2019

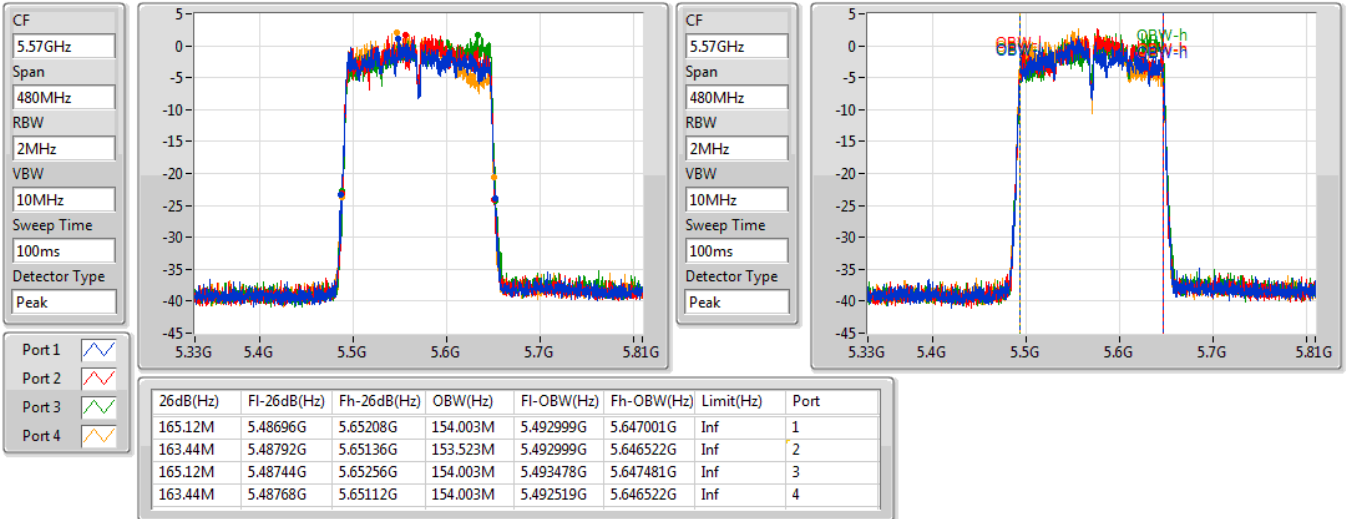


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

04/12/2019

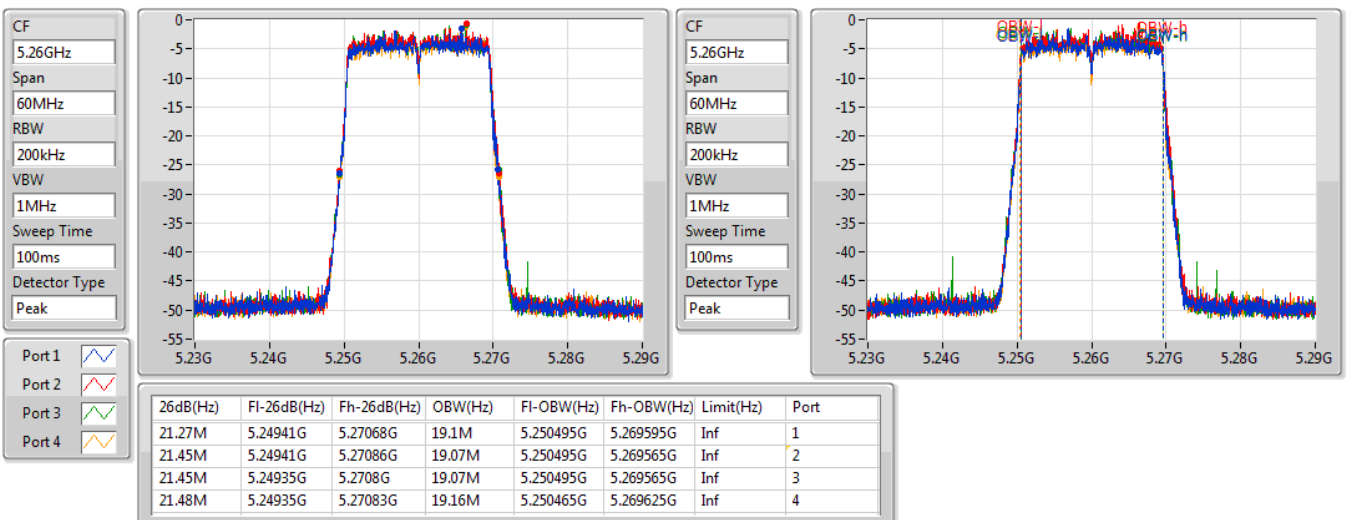


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

03/12/2019

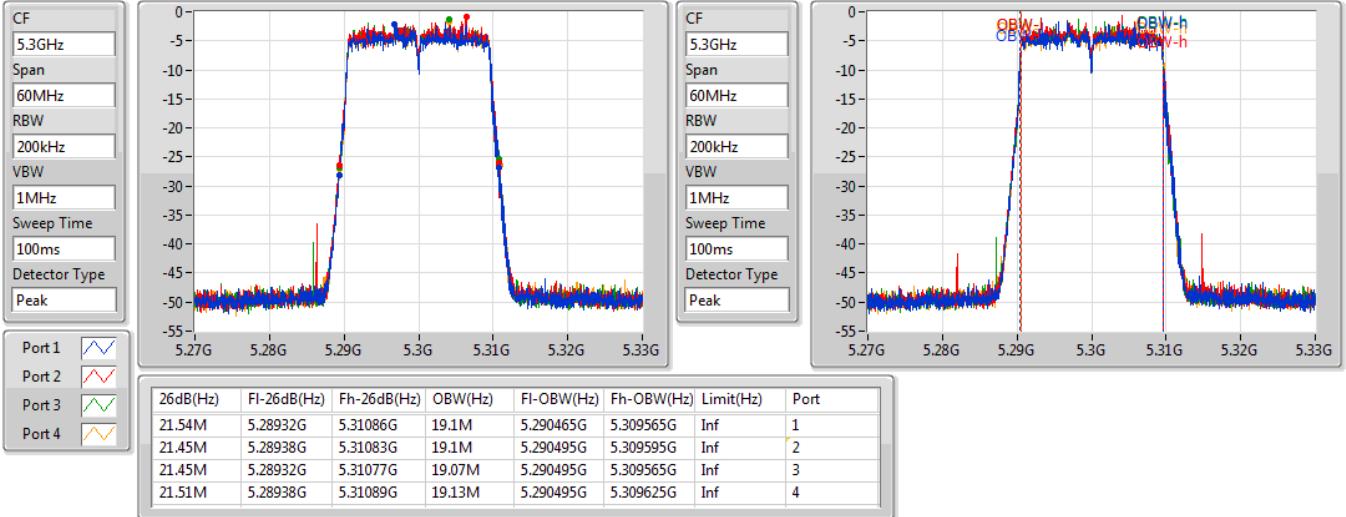


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

03/12/2019

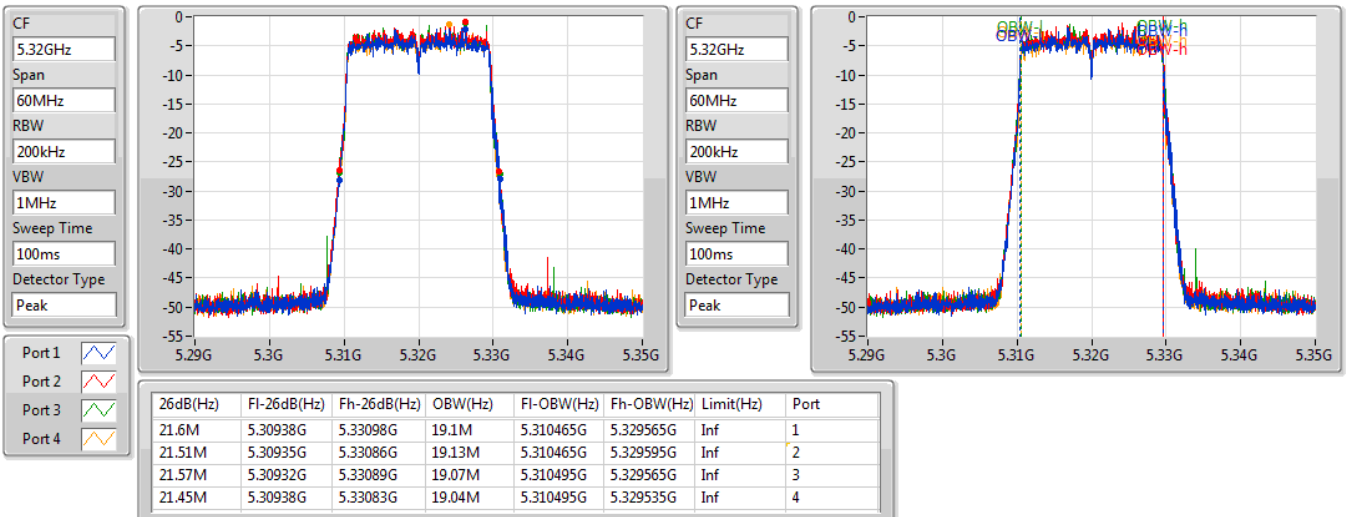


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

03/12/2019

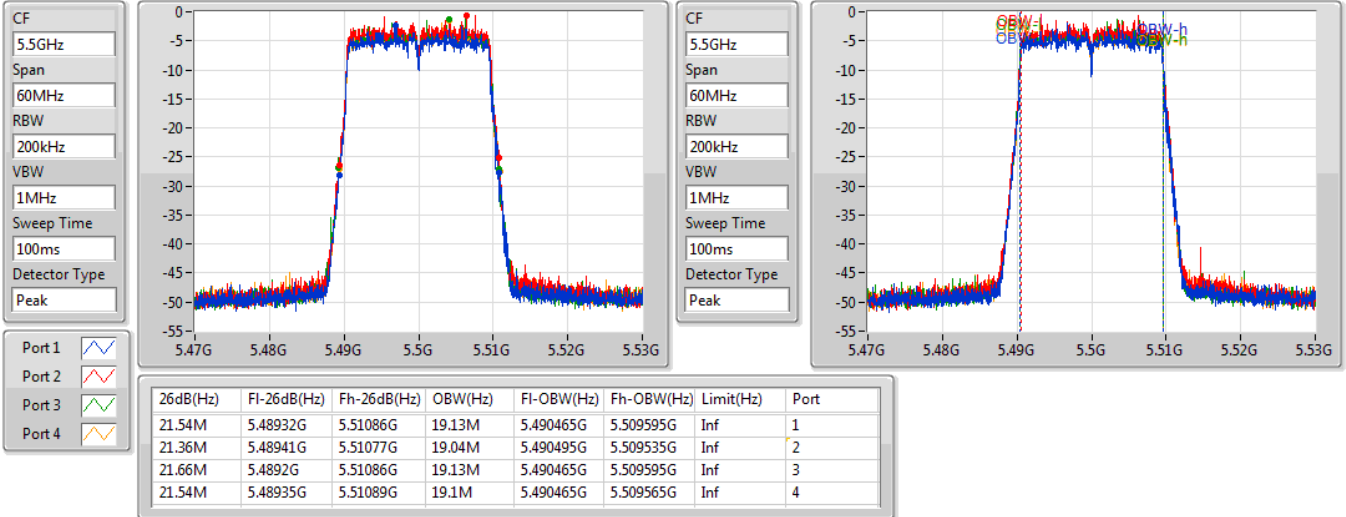


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

03/12/2019

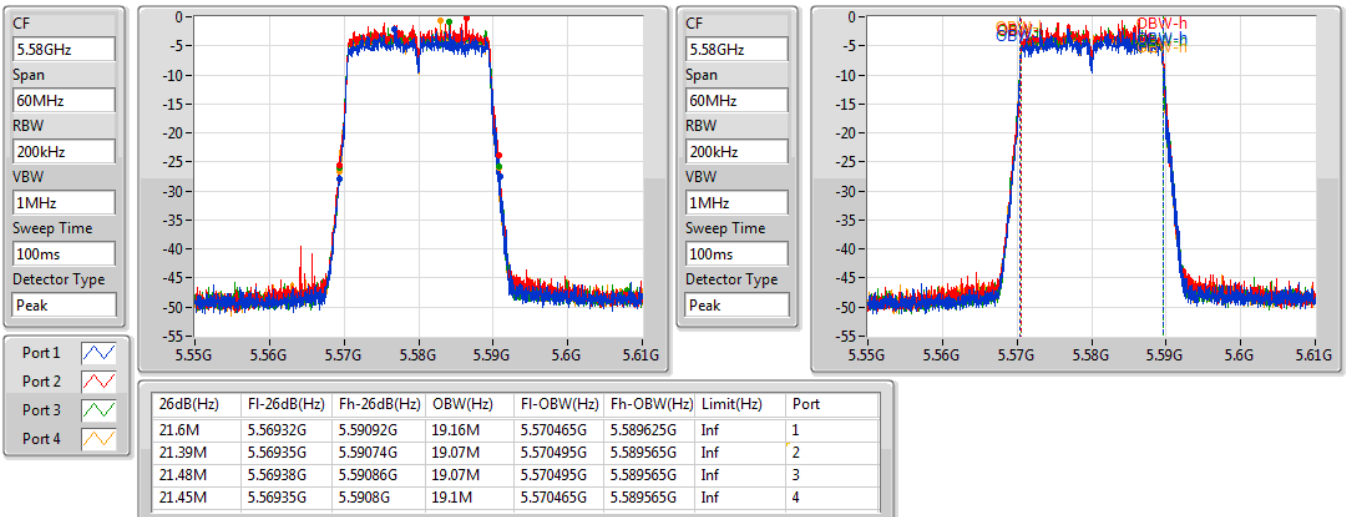


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

03/12/2019

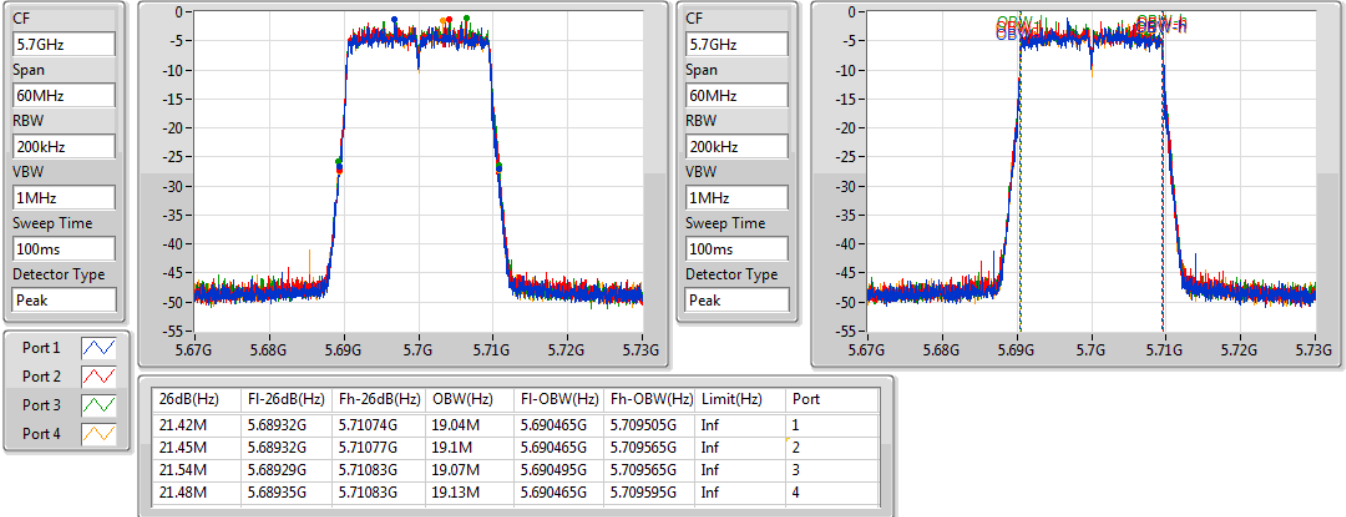


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

03/12/2019

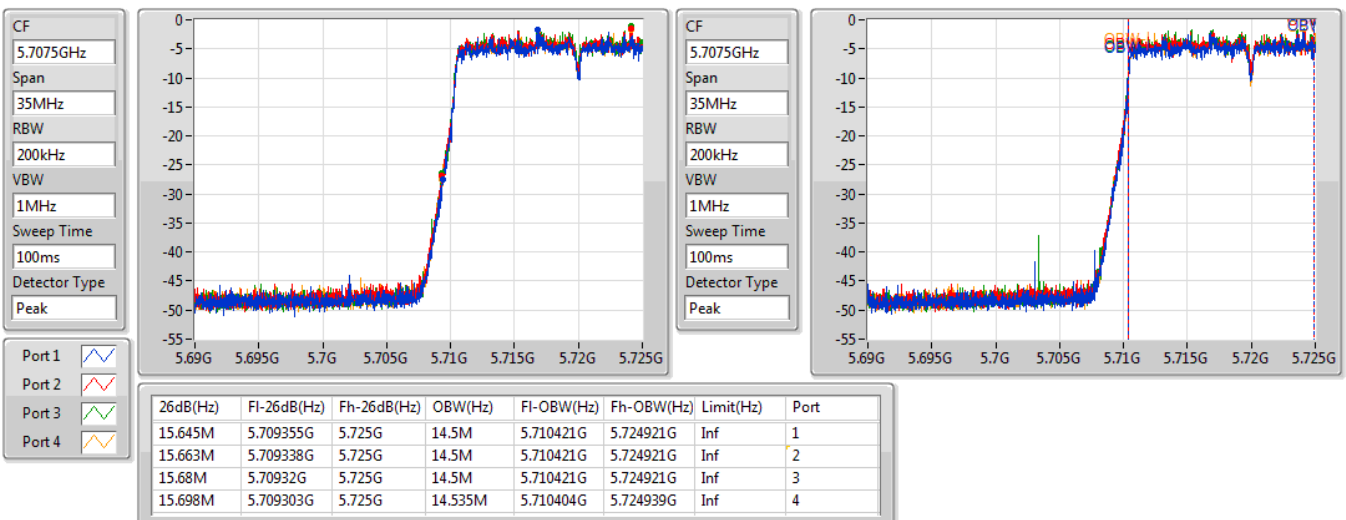


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/12/2019

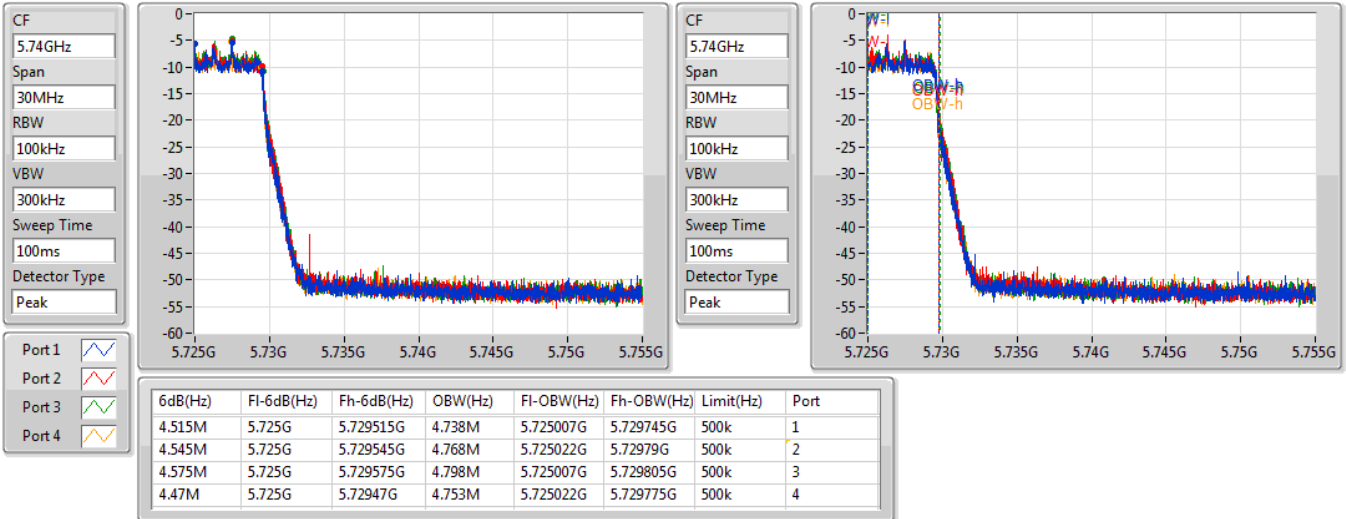


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/12/2019

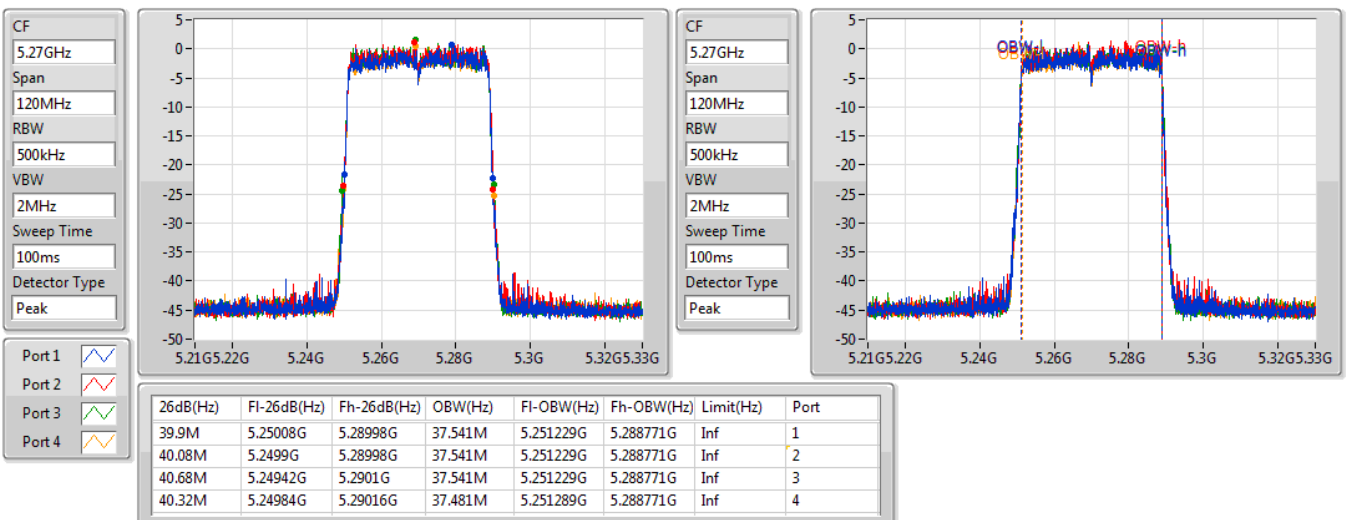


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

03/12/2019

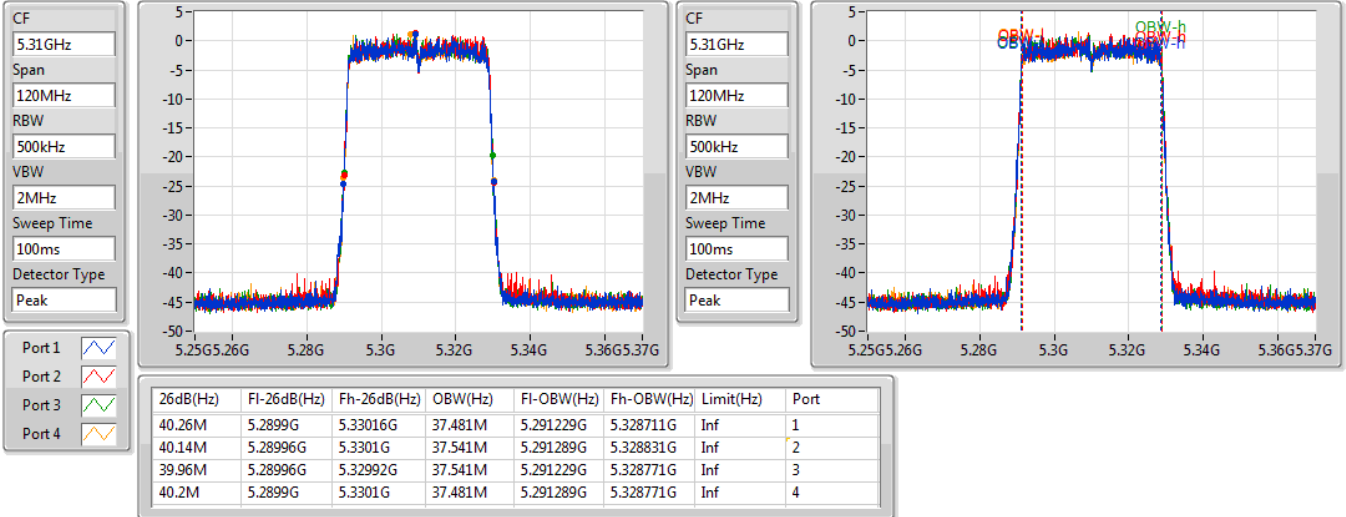


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

03/12/2019

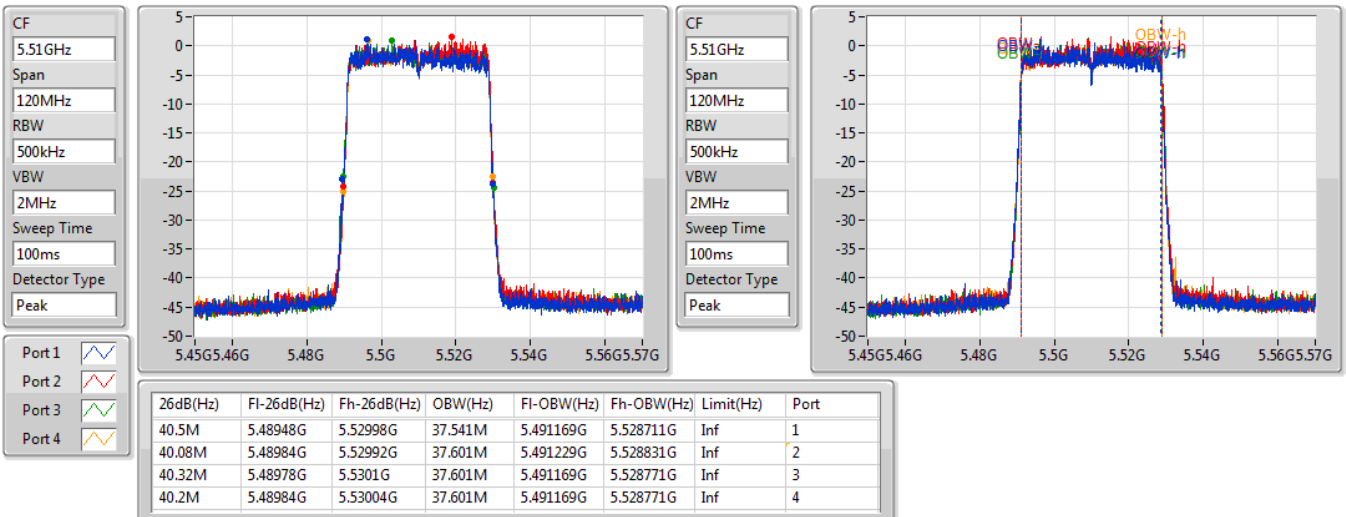


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

03/12/2019

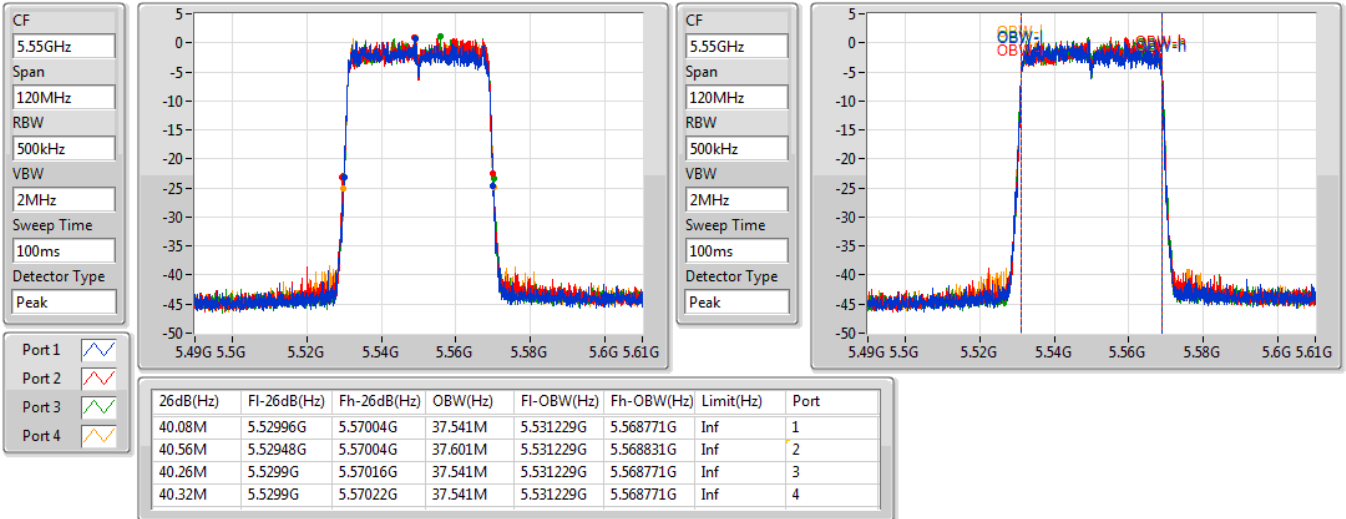


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

03/12/2019

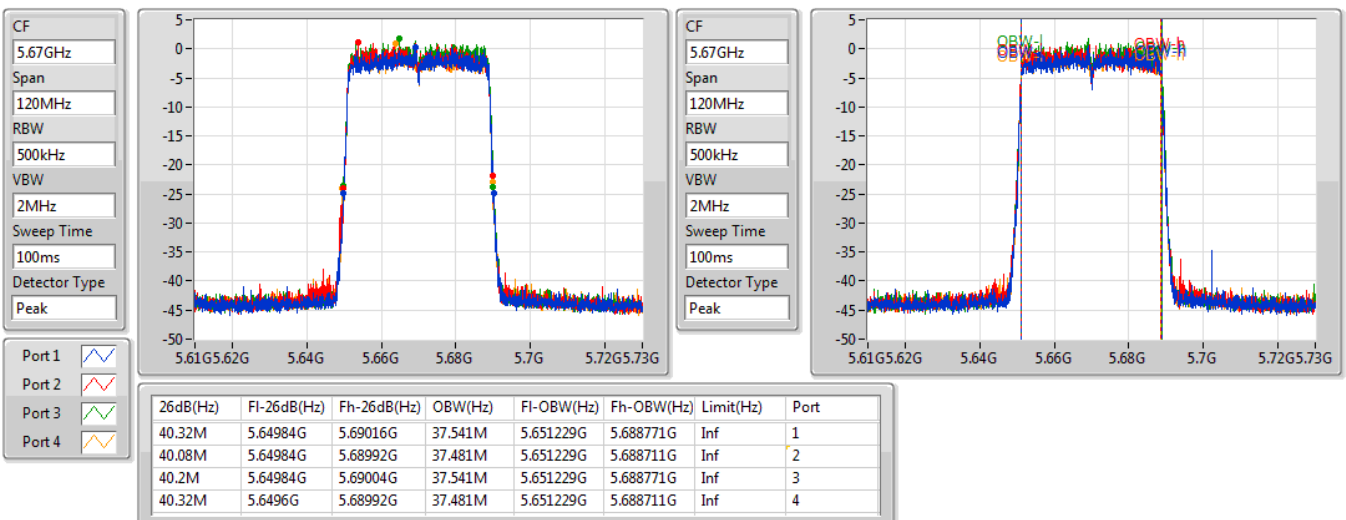


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

03/12/2019

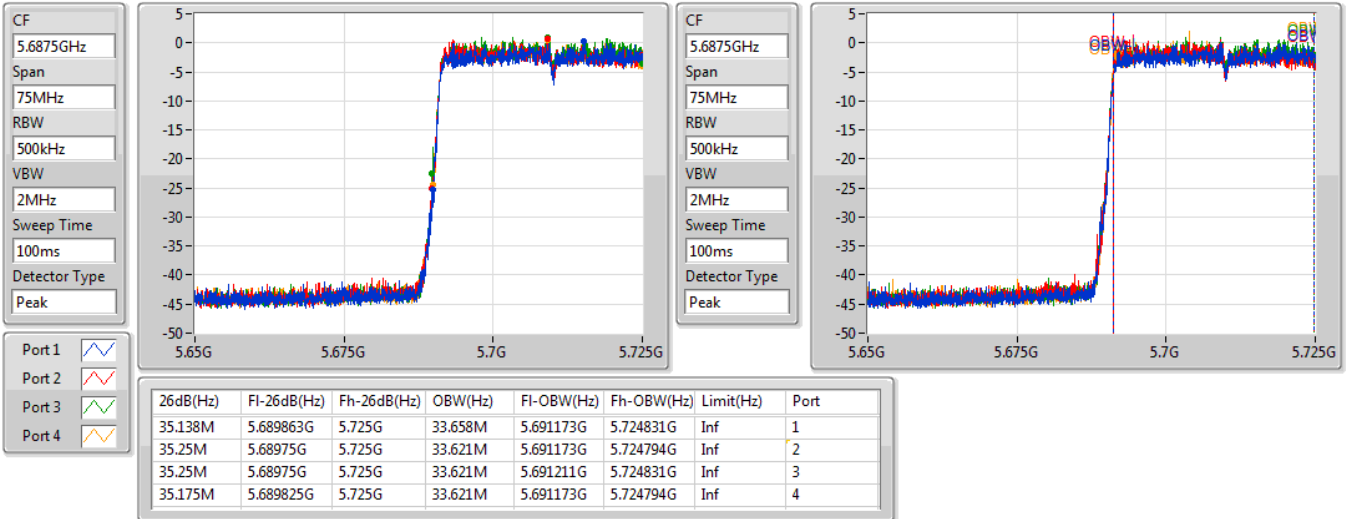


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/12/2019

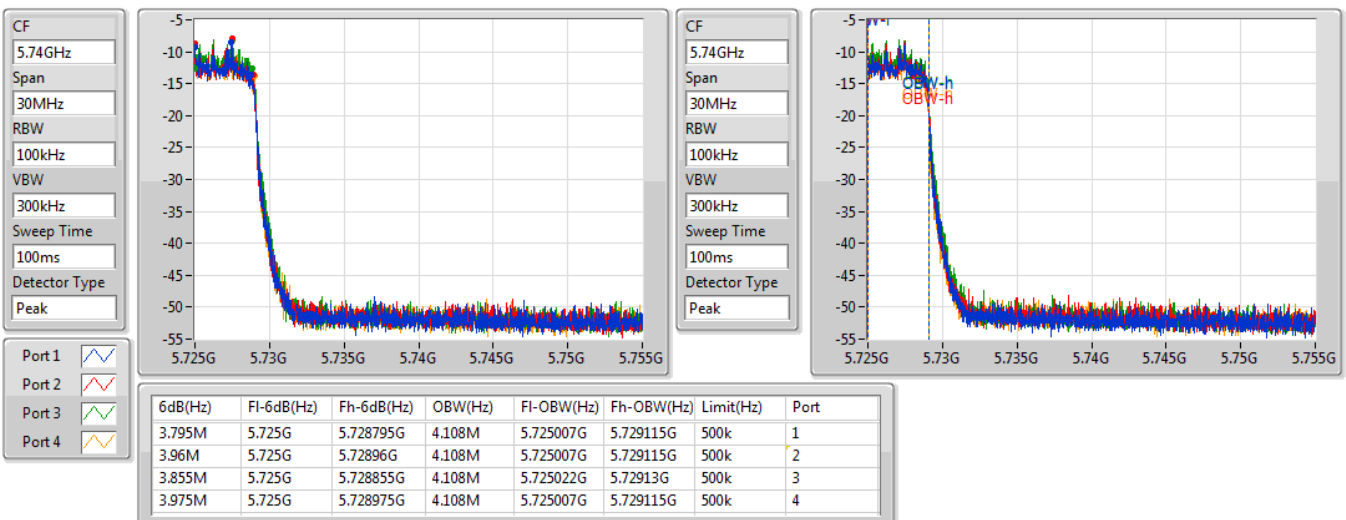


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/12/2019

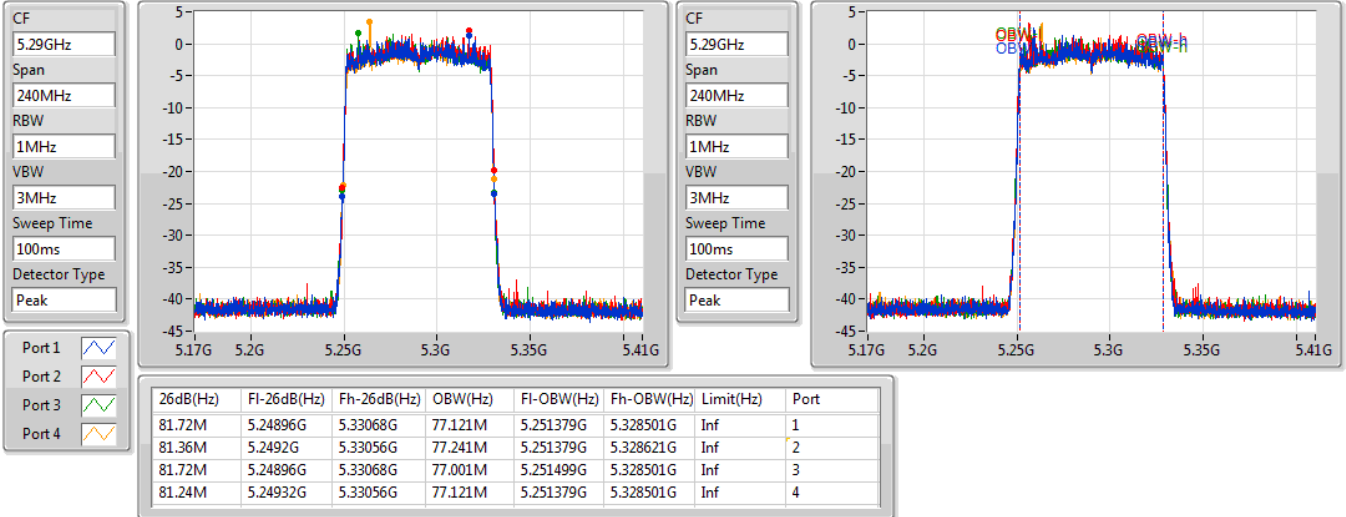


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

03/12/2019

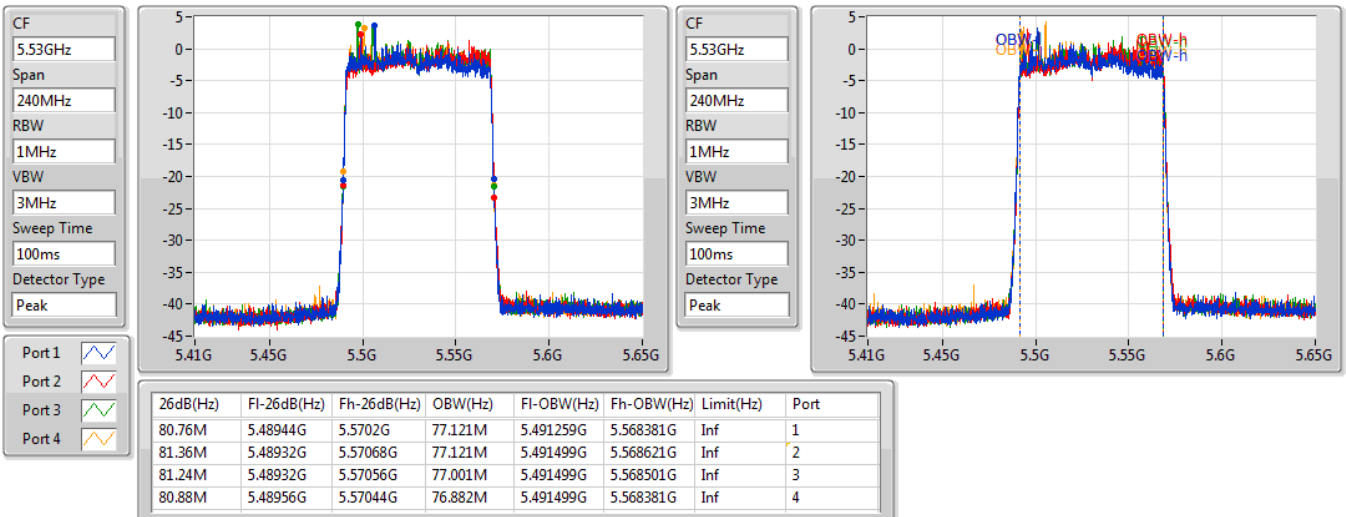


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

03/12/2019

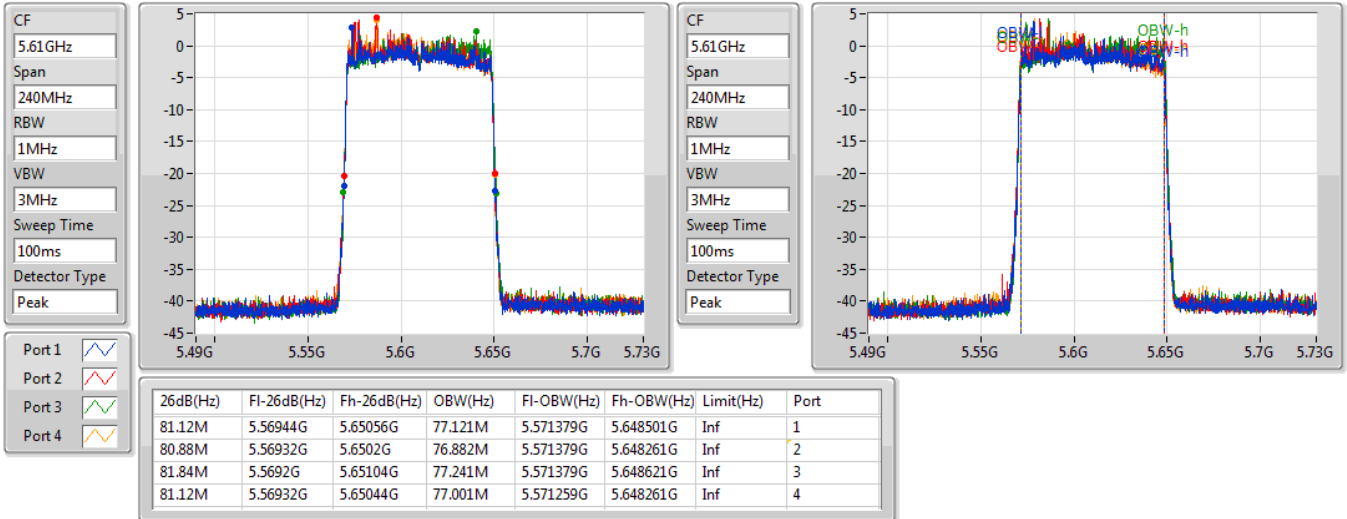


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

03/12/2019

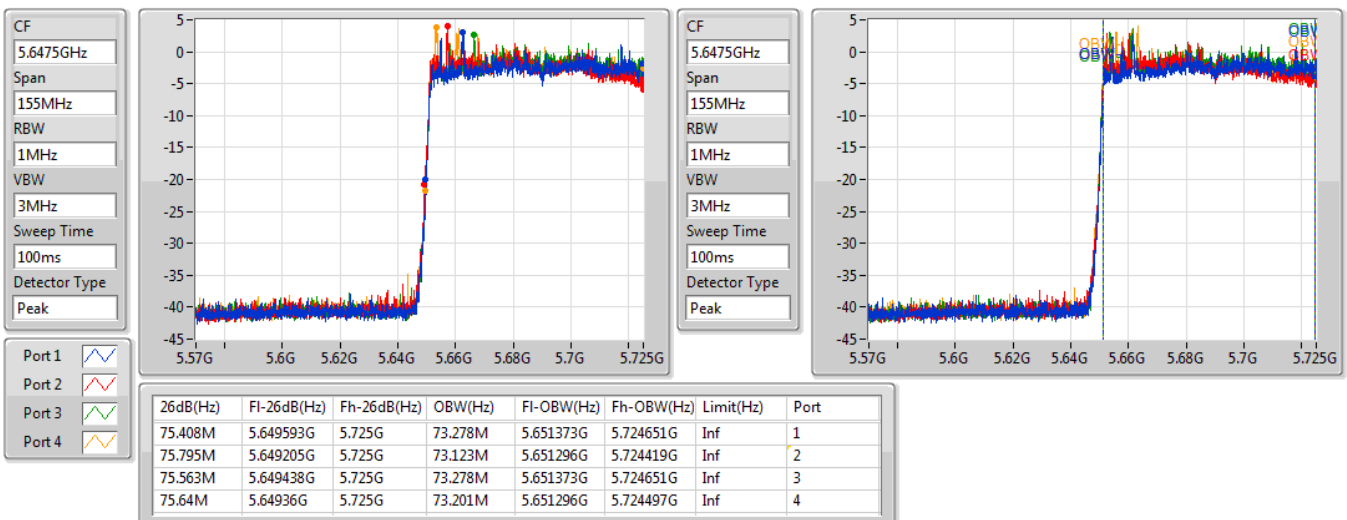


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/12/2019

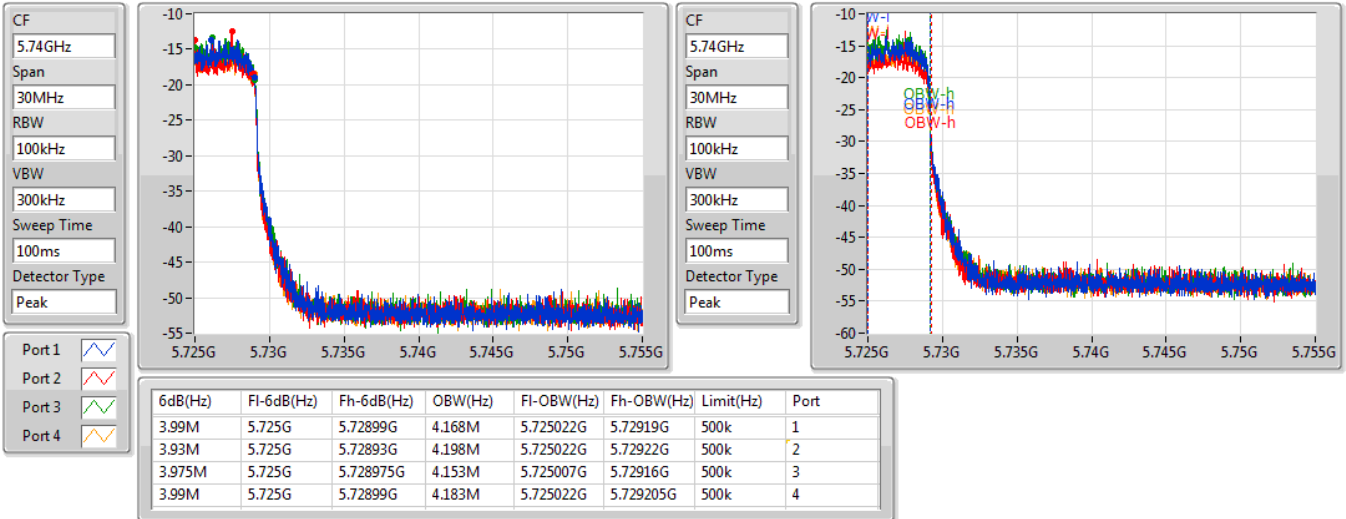


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/12/2019

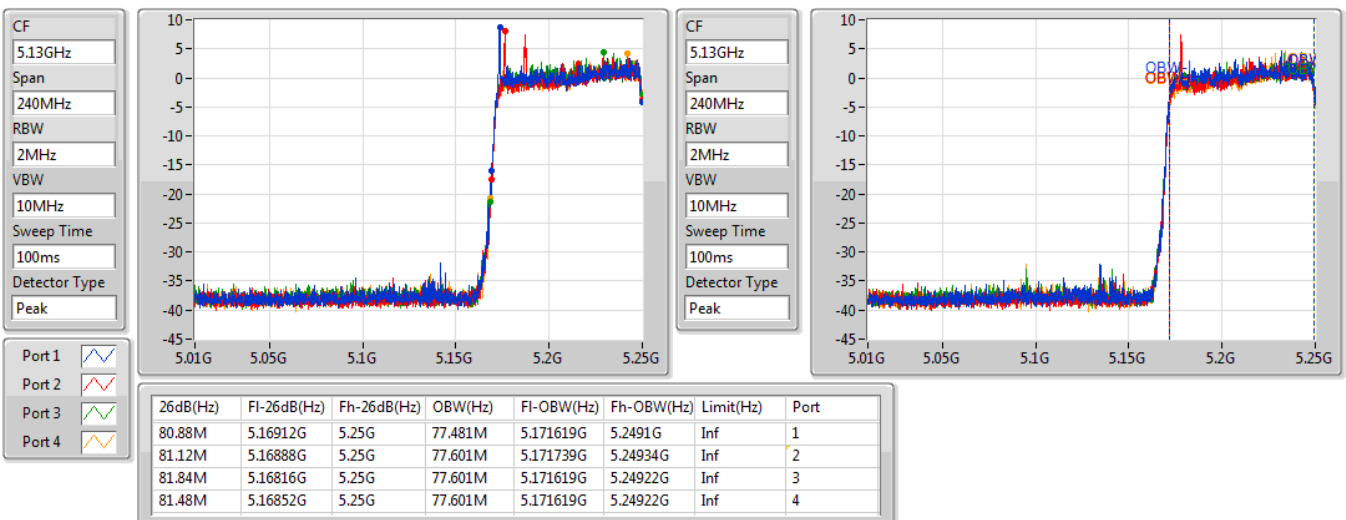


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

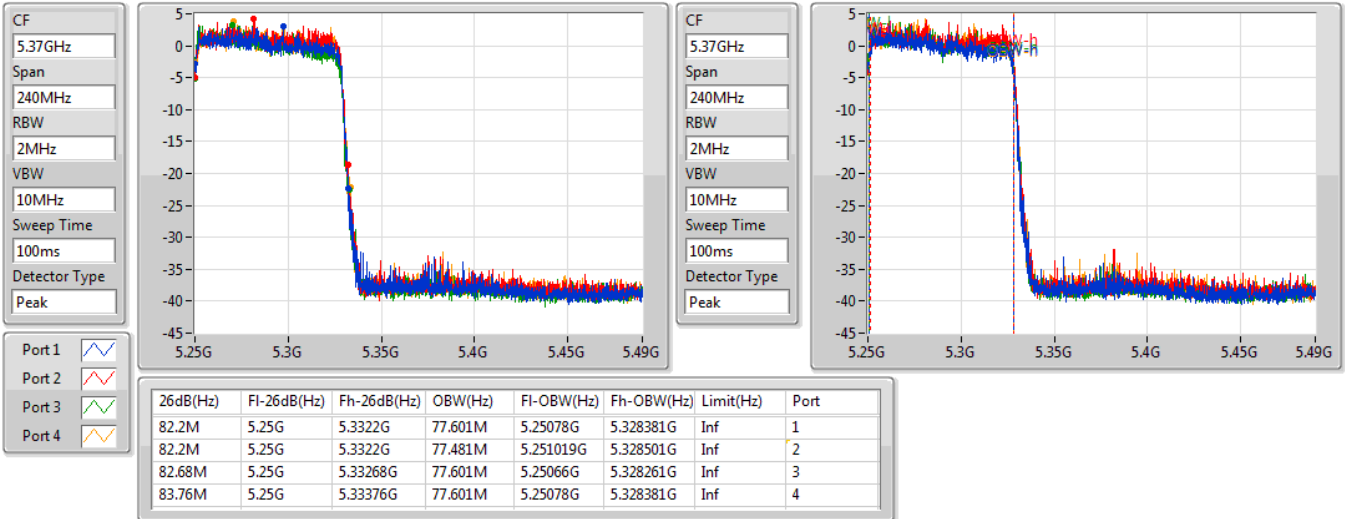


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/12/2019

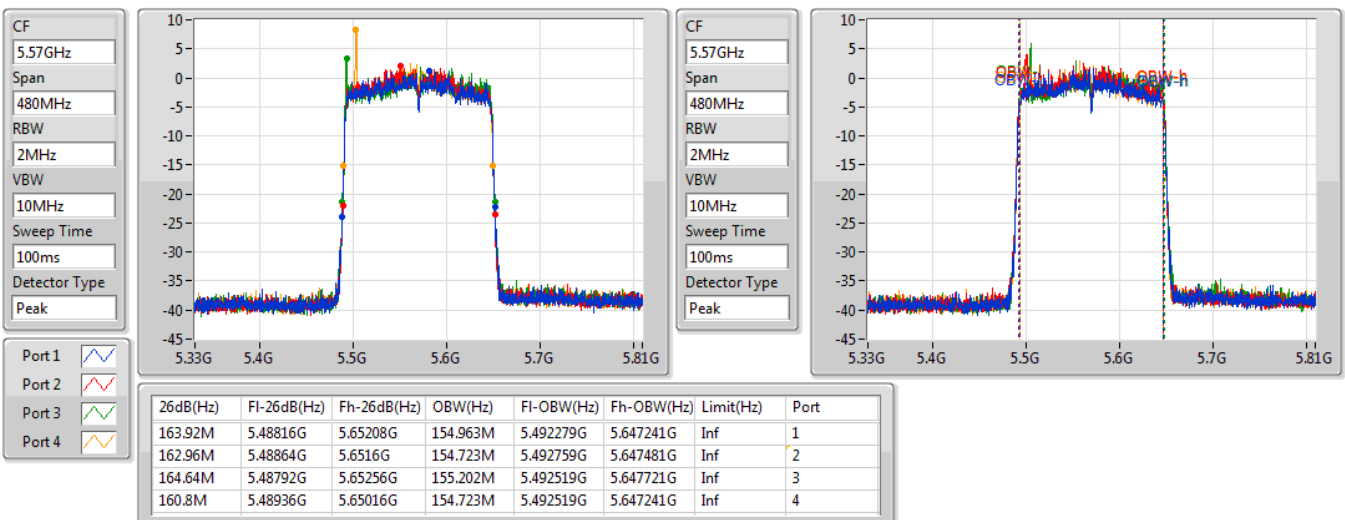


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

04/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.63M	17.871M	17M9D1D	21.27M	17.841M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.8M	36.402M	36M4D1D	39.66M	36.342M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.96M	76.042M	76M0D1D	80.88M	75.682M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.51M	19.13M	19M1D1D	21.15M	19.07M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.2M	37.601M	37M6D1D	39.72M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.12M	77.001M	77M0D1D	80.88M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.48M	17.901M	17M9D1D	15.68M	13.906M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.14M	36.402M	36M4D1D	34.875M	33.058M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.24M	75.802M	75M8D1D	75.175M	72.426M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.42M	19.07M	19M1D1D	15.61M	14.483M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.2M	37.601M	37M6D1D	35.063M	33.621M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.48M	77.121M	77M1D1D	75.563M	72.969M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.78M	4.408M	4M41D1D	3.78M	4.393M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.225M	3.643M	3M64D1D	3.165M	3.613M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.15M	3.913M	3M91D1D	3.135M	3.853M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.575M	4.753M	4M75D1D	4.515M	4.738M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.93M	4.123M	4M12D1D	3.855M	4.093M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	4.005M	4.153M	4M15D1D	3.9M	4.138M

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)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	21.48M	17.841M	21.27M	17.841M
5300MHz_TnomVnom	Pass	Inf	21.39M	17.841M	21.42M	17.841M
5320MHz_TnomVnom	Pass	Inf	21.63M	17.871M	21.6M	17.871M
5500MHz_TnomVnom	Pass	Inf	21.45M	17.871M	21.42M	17.811M
5580MHz_TnomVnom	Pass	Inf	21.39M	17.871M	21.48M	17.871M
5700MHz_TnomVnom	Pass	Inf	21.42M	17.901M	21.45M	17.841M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.68M	13.906M	15.785M	13.993M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.78M	4.408M	3.78M	4.393M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	39.96M	36.342M	40.26M	36.342M
5310MHz_TnomVnom	Pass	Inf	40.8M	36.402M	39.66M	36.342M
5510MHz_TnomVnom	Pass	Inf	39.96M	36.282M	39.9M	36.342M
5550MHz_TnomVnom	Pass	Inf	40.14M	36.342M	40.14M	36.402M
5670MHz_TnomVnom	Pass	Inf	40.02M	36.402M	40.08M	36.402M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	34.875M	33.096M	35.138M	33.058M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.225M	3.643M	3.165M	3.613M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	80.88M	75.682M	81.96M	76.042M
5530MHz_TnomVnom	Pass	Inf	81.24M	75.802M	80.88M	75.682M
5610MHz_TnomVnom	Pass	Inf	80.88M	75.682M	80.64M	75.682M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.485M	72.426M	75.175M	72.426M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.135M	3.853M	3.15M	3.913M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	21.18M	19.07M	21.45M	19.07M
5300MHz_TnomVnom	Pass	Inf	21.15M	19.07M	21.48M	19.07M
5320MHz_TnomVnom	Pass	Inf	21.48M	19.07M	21.51M	19.13M
5500MHz_TnomVnom	Pass	Inf	21.42M	19.01M	21.36M	19.04M
5580MHz_TnomVnom	Pass	Inf	21.36M	19.01M	21.39M	19.07M
5700MHz_TnomVnom	Pass	Inf	21.18M	19.07M	21.24M	19.07M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.61M	14.483M	15.645M	14.518M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	4.575M	4.753M	4.515M	4.738M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	39.72M	37.601M	40.02M	37.541M
5310MHz_TnomVnom	Pass	Inf	40.14M	37.541M	40.2M	37.541M
5510MHz_TnomVnom	Pass	Inf	40.14M	37.541M	40.2M	37.541M
5550MHz_TnomVnom	Pass	Inf	40.14M	37.541M	40.08M	37.601M
5670MHz_TnomVnom	Pass	Inf	40.08M	37.541M	40.08M	37.541M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.25M	33.621M	35.063M	33.621M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.855M	4.123M	3.93M	4.093M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	81.12M	77.001M	80.88M	77.001M
5530MHz_TnomVnom	Pass	Inf	80.76M	77.001M	81.48M	77.001M
5610MHz_TnomVnom	Pass	Inf	81.48M	77.121M	81.48M	77.121M



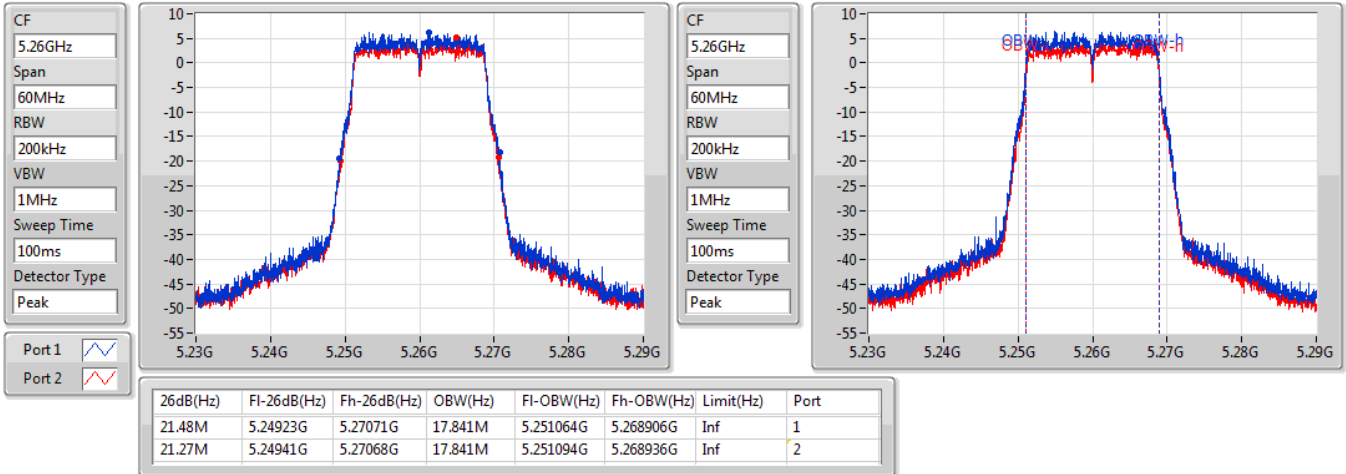
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.563M	72.969M	75.563M	73.278M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.9M	4.138M	4.005M	4.153M

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

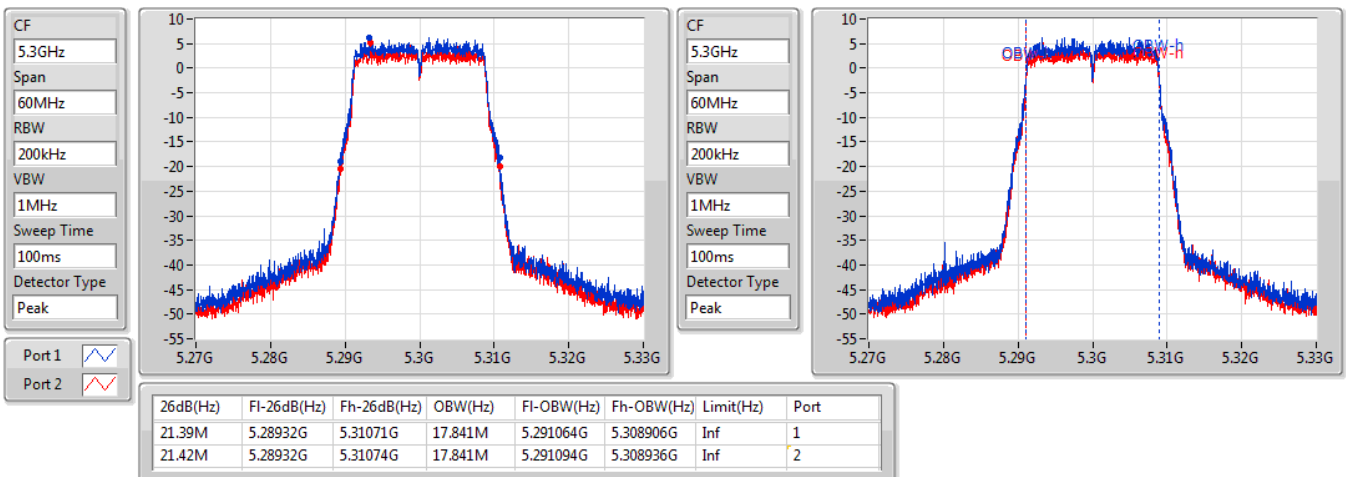
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

04/12/2019


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

04/12/2019

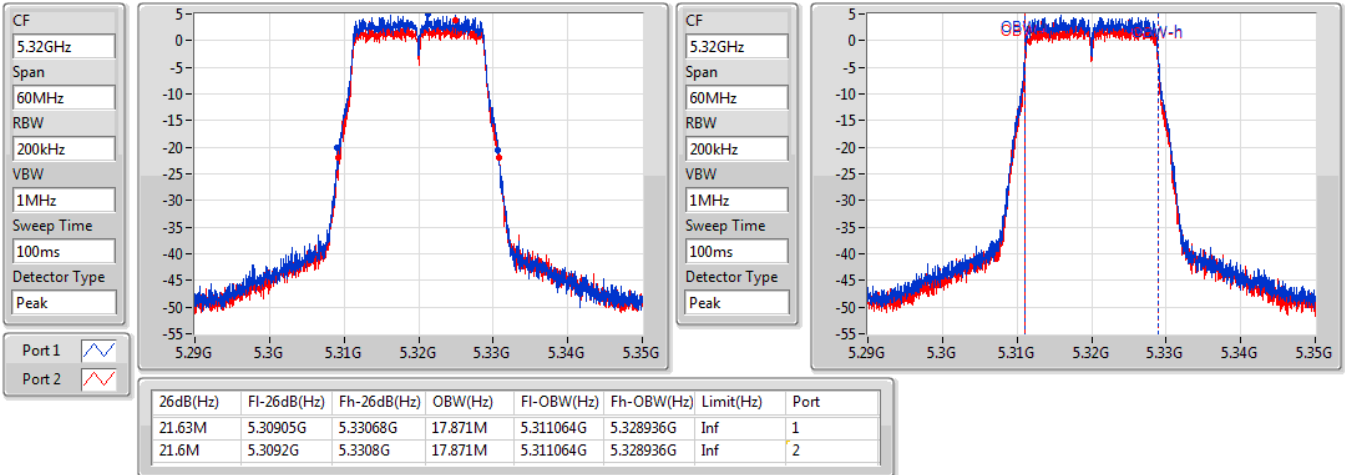


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

04/12/2019

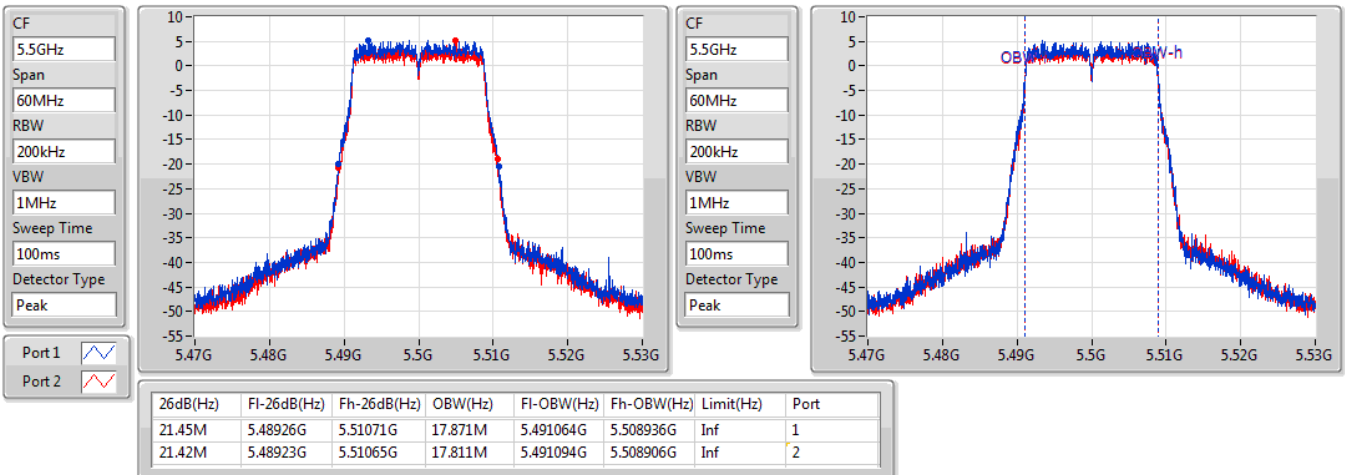


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5500MHz

04/12/2019

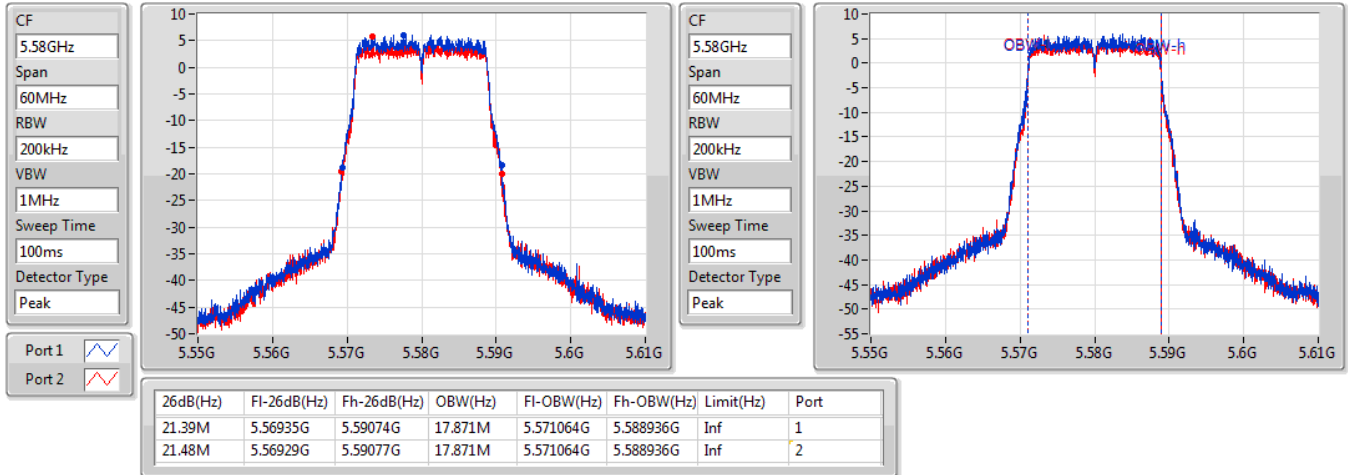


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5580MHz

04/12/2019

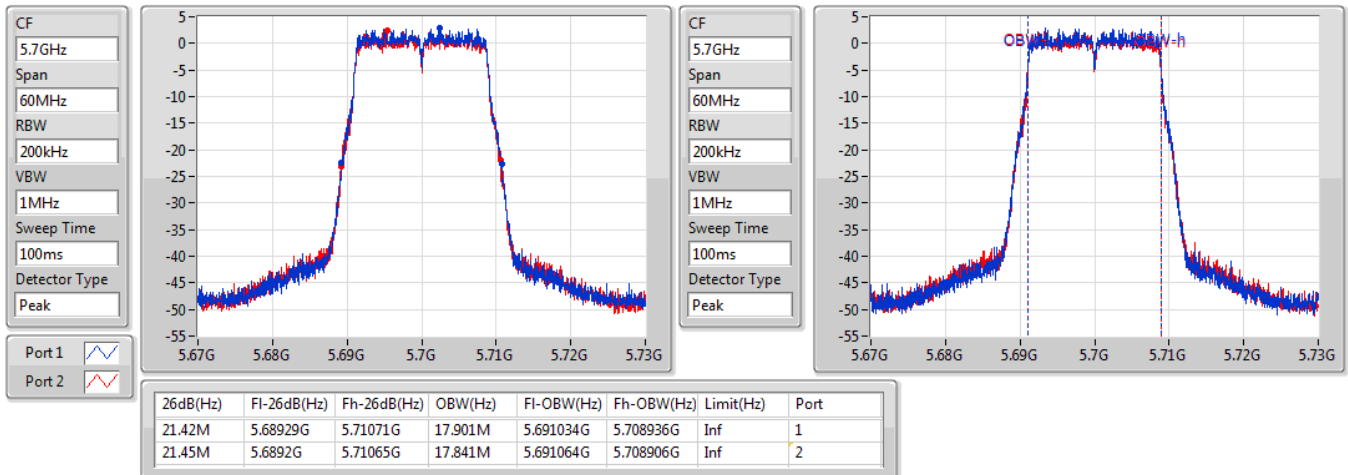


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5700MHz

04/12/2019

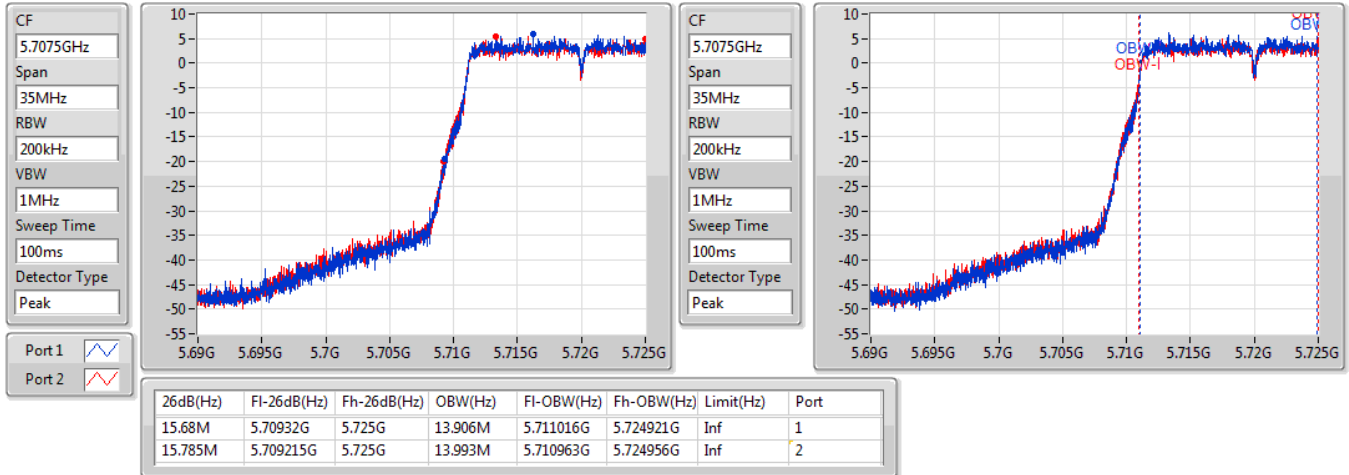


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/12/2019



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/12/2019

