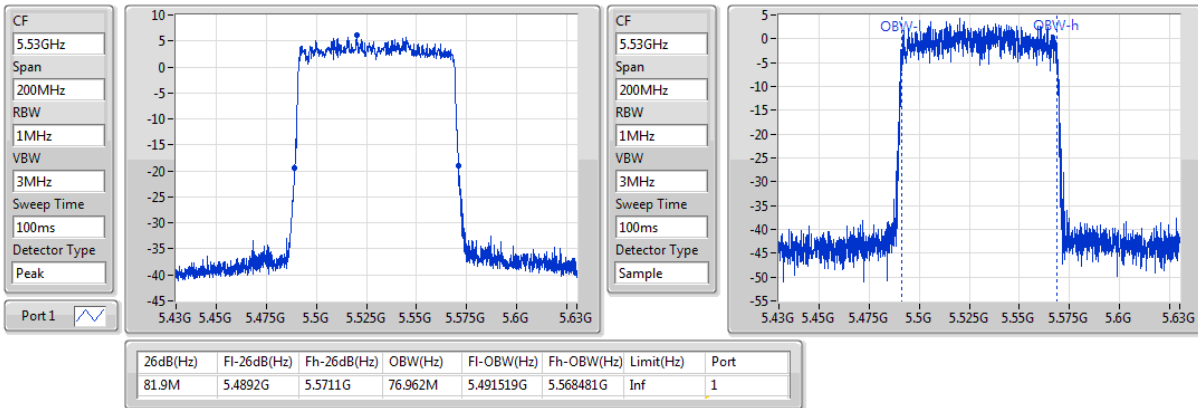


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

05/03/2019

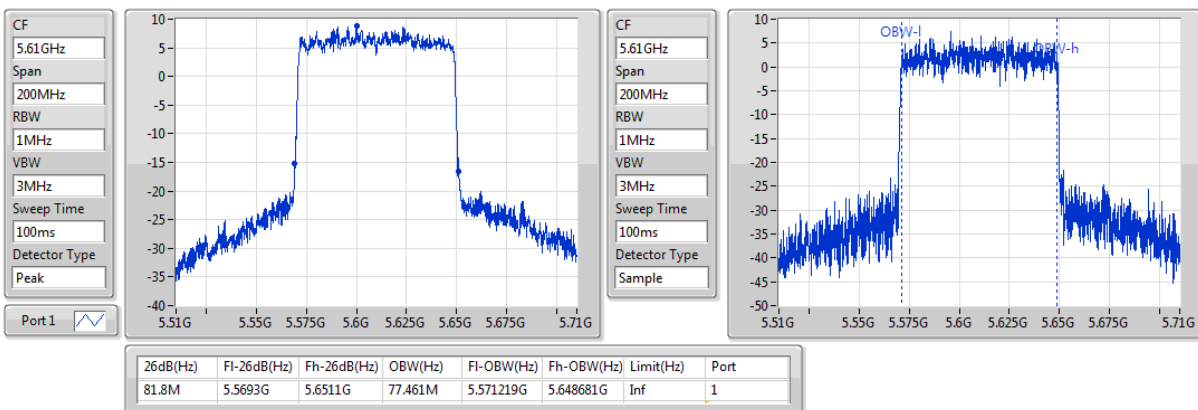


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

05/03/2019

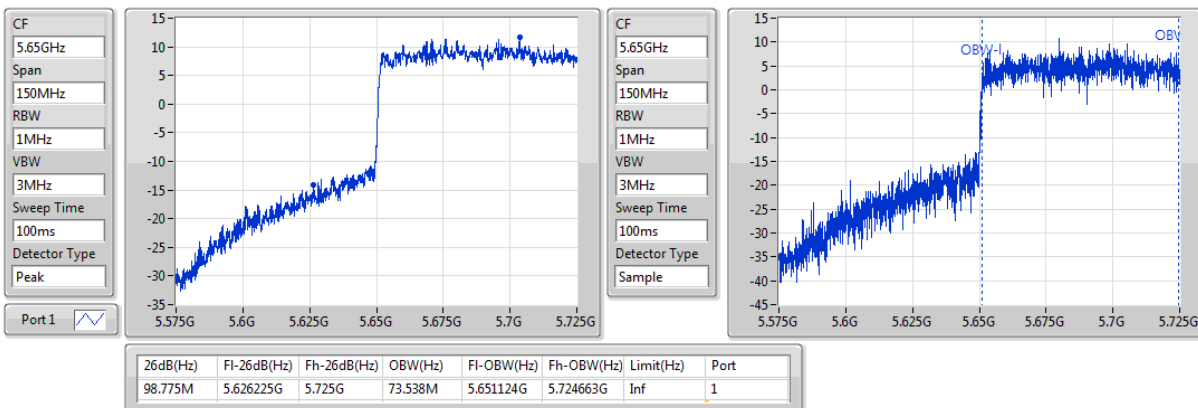


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

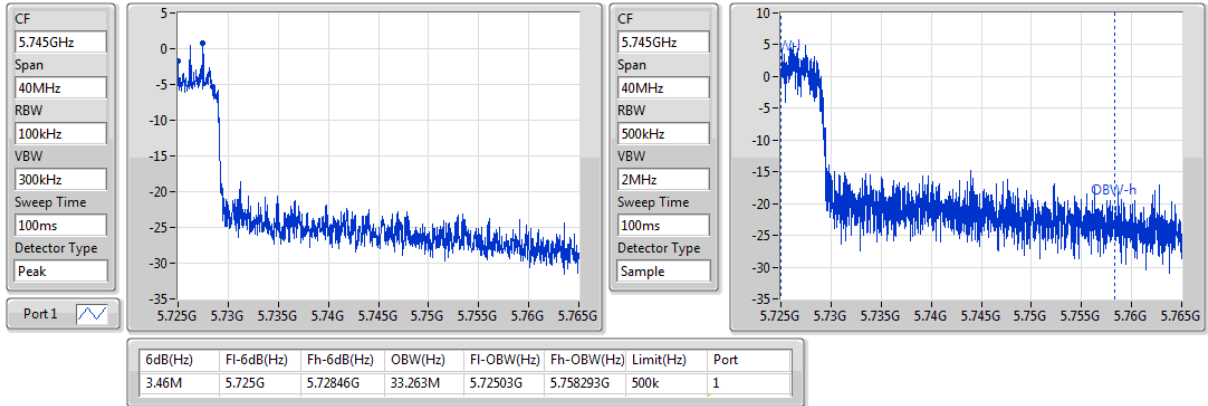


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

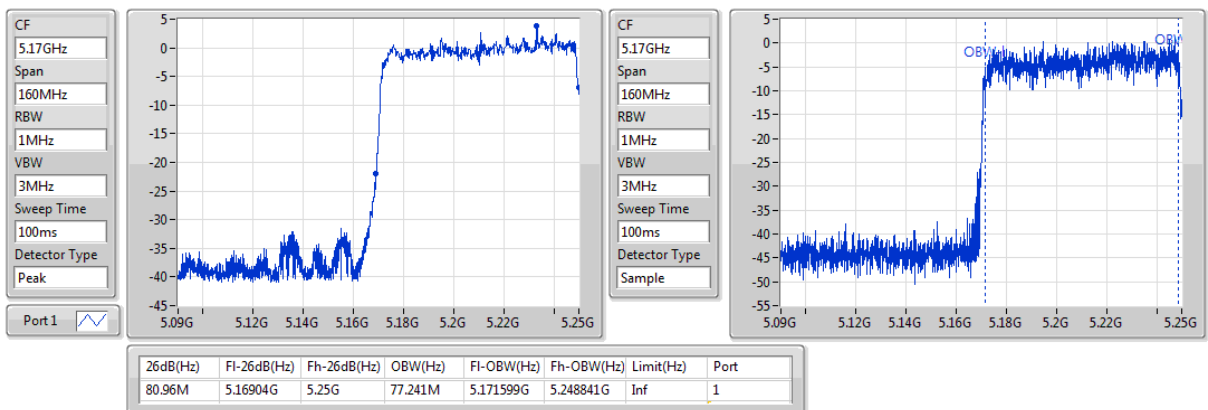


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/03/2019

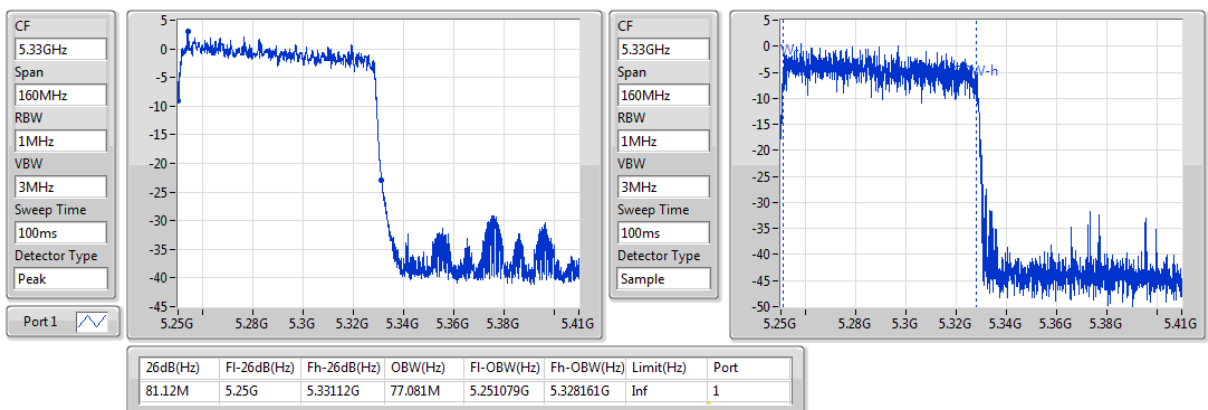


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/03/2019

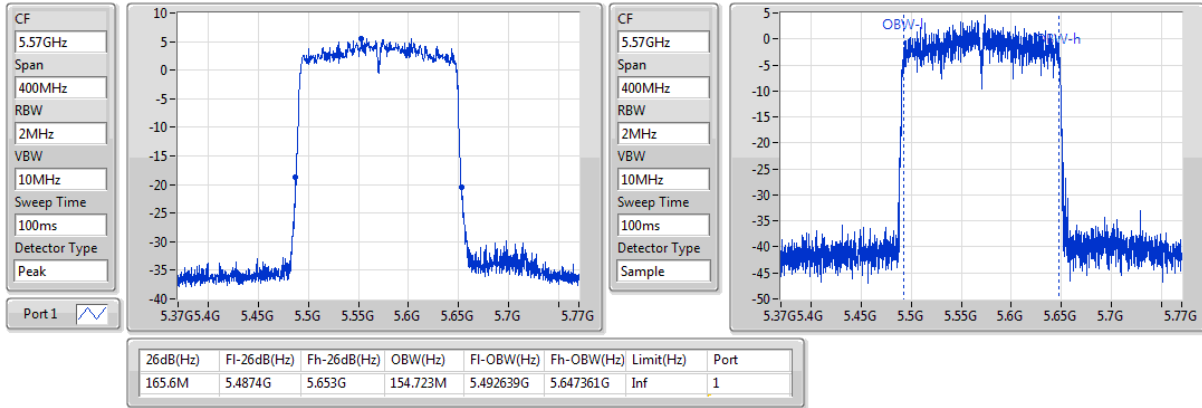


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5570MHz

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 HEW20_Nss2,(MCS0)_2TX	32.975M	19.015M	19M0D1D	21.325M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	72.2M	37.681M	37M7D1D	40M	37.481M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.6M	77.061M	77M1D1D	81.3M	76.962M
802.11ax HEW160_Nss2,(MCS0)_2TX	81.76M	77.081M	77M1D1D	81.44M	77.081M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	42.575M	19.215M	19M2D1D	21.375M	14.633M
802.11ax HEW40_Nss2,(MCS0)_2TX	72.1M	37.681M	37M7D1D	39.95M	33.863M
802.11ax HEW80_Nss2,(MCS0)_2TX	87.975M	77.061M	77M1D1D	80.775M	73.238M
802.11ax HEW160_Nss2,(MCS0)_2TX	166M	155.522M	156MD1D	165.2M	154.923M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	4.46M	11.454M	11M5D1D	4.4M	11.234M
802.11ax HEW40_Nss2,(MCS0)_2TX	3.74M	25.627M	25M6D1D	3.74M	20.15M
802.11ax HEW80_Nss2,(MCS0)_2TX	3.78M	25.147M	25M1D1D	3.74M	20.85M

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 HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	29.35M	19.015M	32.8M	19.015M
5300MHz	Pass	Inf	22.525M	18.991M	32.975M	18.991M
5320MHz	Pass	Inf	21.825M	18.941M	21.325M	18.941M
5500MHz	Pass	Inf	22.1M	18.966M	21.375M	18.991M
5580MHz	Pass	Inf	37.9M	19.14M	42.575M	19.215M
5700MHz	Pass	Inf	22.1M	18.966M	21.625M	18.916M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	25.065M	14.783M	25.605M	14.633M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	11.454M	4.46M	11.234M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	61.1M	37.681M	72.2M	37.581M
5310MHz	Pass	Inf	40M	37.481M	40.1M	37.481M
5510MHz	Pass	Inf	39.95M	37.531M	40.05M	37.581M
5550MHz	Pass	Inf	49.55M	37.531M	72.1M	37.531M
5670MHz	Pass	Inf	39.95M	37.681M	40.1M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	57.295M	34.213M	53.235M	33.863M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	25.627M	3.74M	20.15M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	76.962M	81.3M	77.061M
5530MHz	Pass	Inf	81.5M	76.862M	81.5M	76.862M
5610MHz	Pass	Inf	81.4M	77.061M	81.1M	76.962M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	87.975M	73.238M	80.775M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	25.147M	3.74M	20.85M
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
5570MHz	Pass	Inf	165.2M	155.522M	166M	154.923M

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

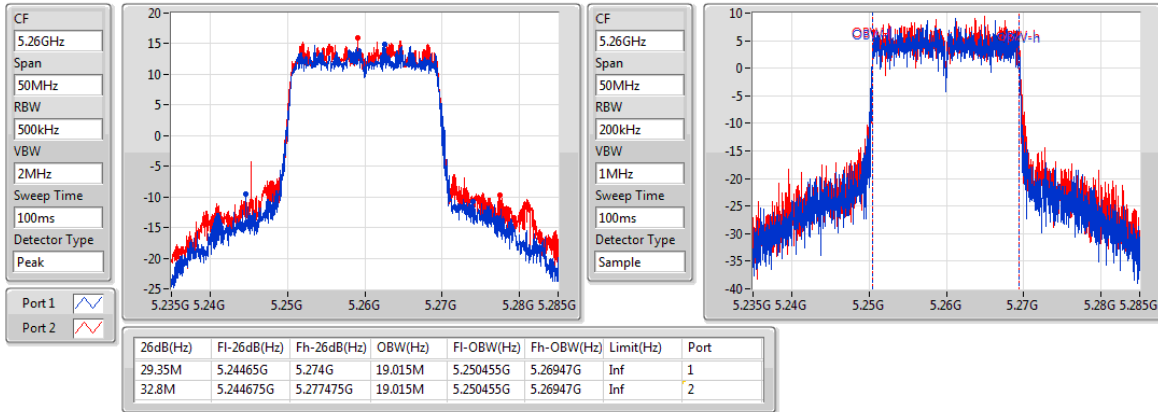
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

07/03/2019

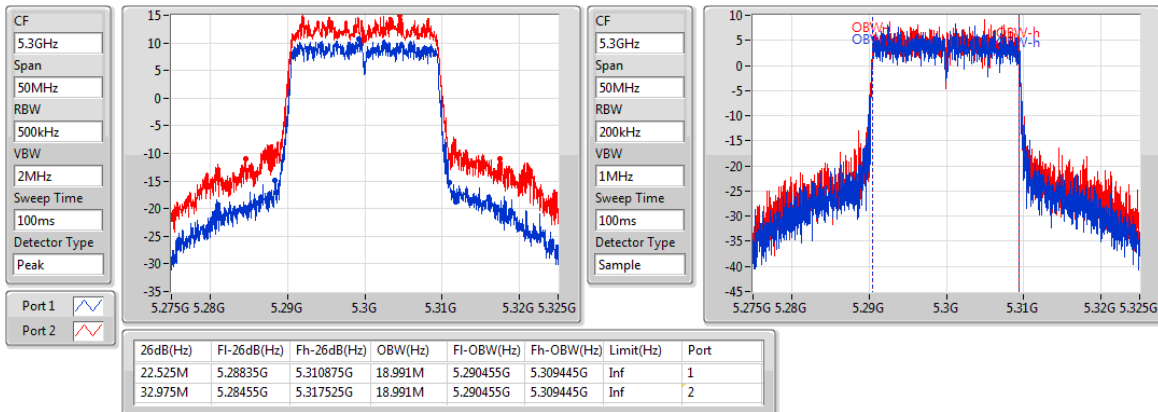


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5300MHz

07/03/2019

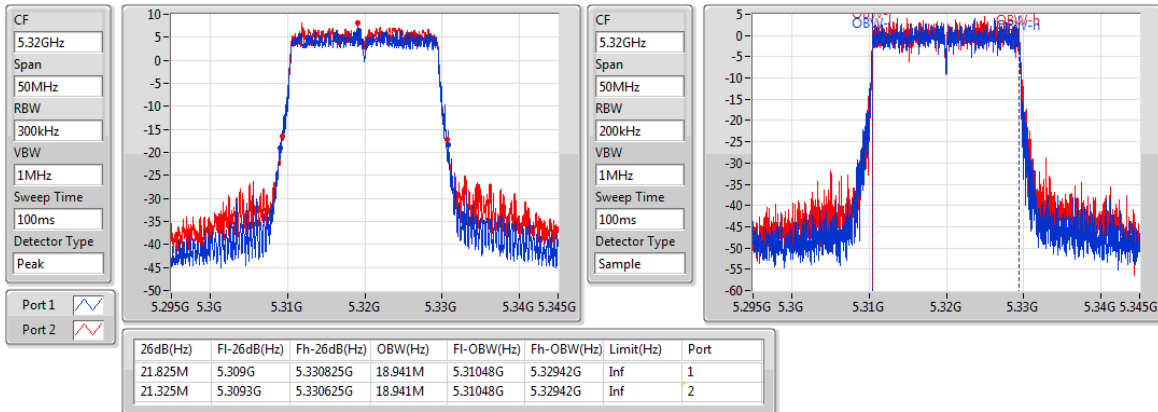


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5320MHz

07/03/2019

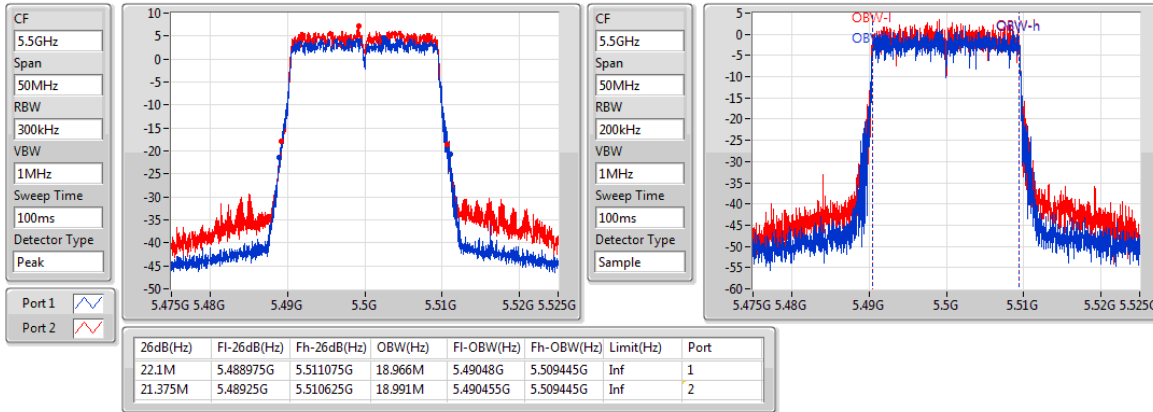


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5500MHz

07/03/2019

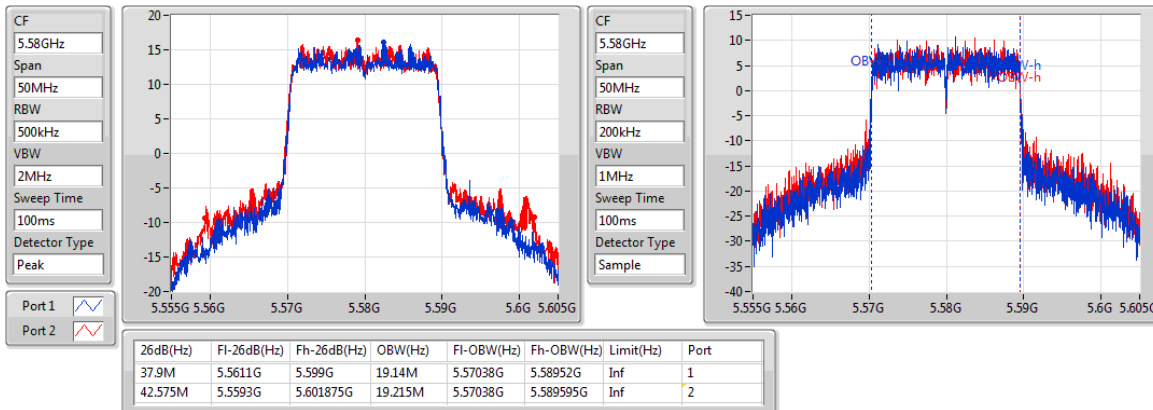


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

07/03/2019

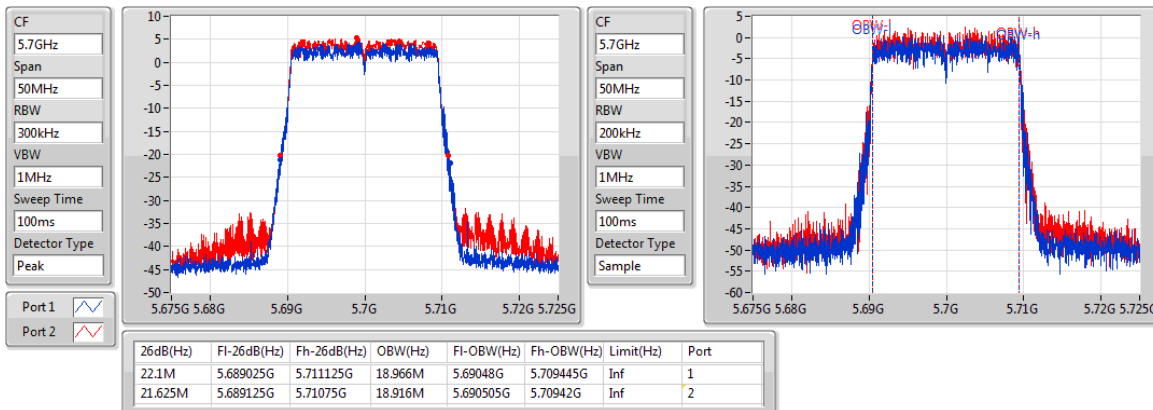


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

07/03/2019

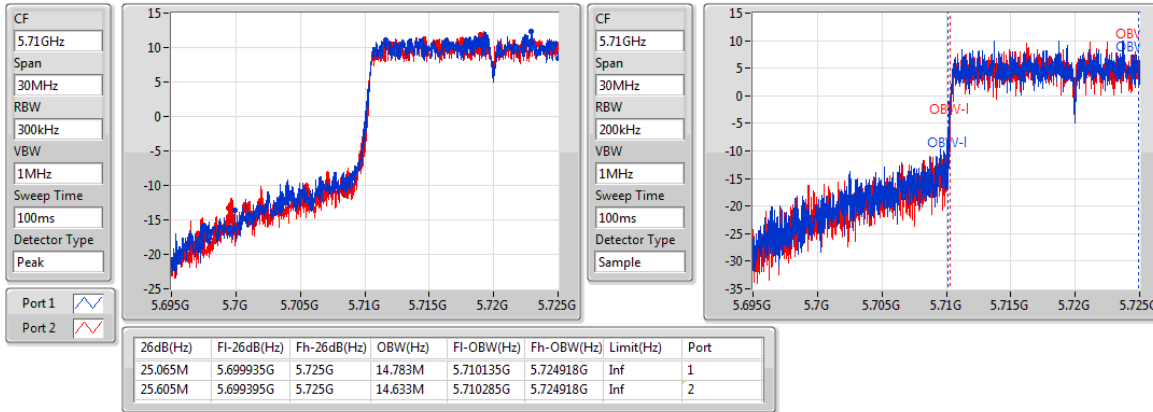


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/03/2019

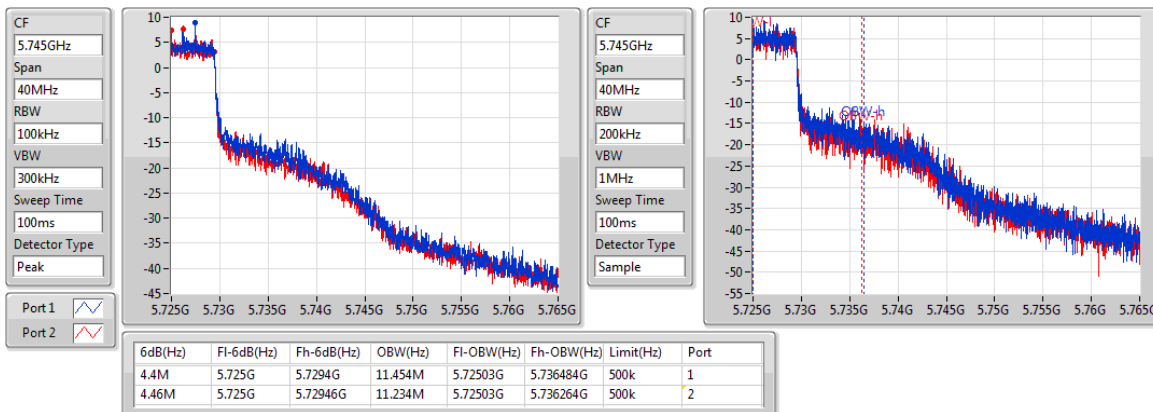


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/03/2019

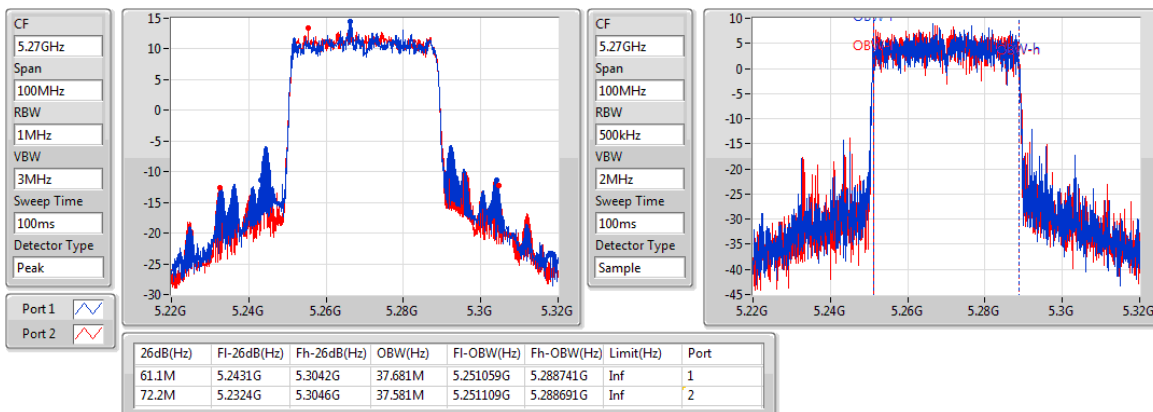


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5270MHz

07/03/2019

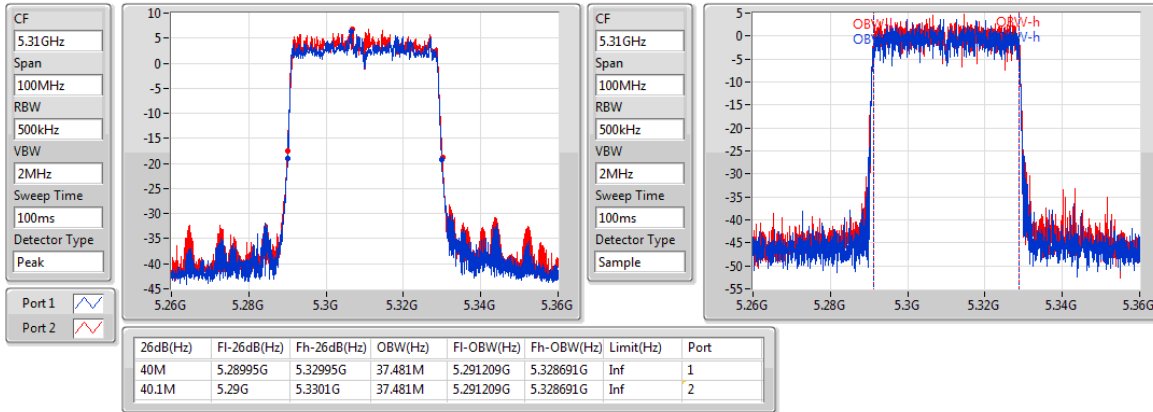


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

07/03/2019

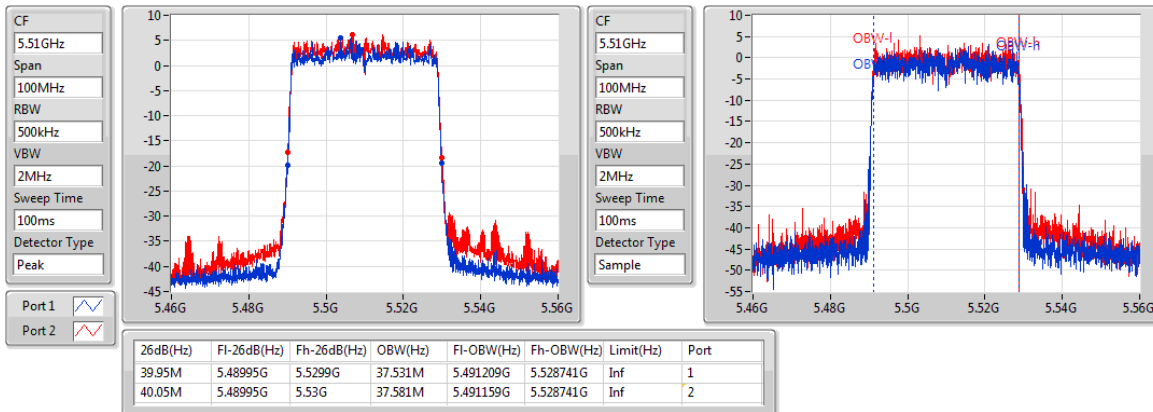


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5510MHz

07/03/2019

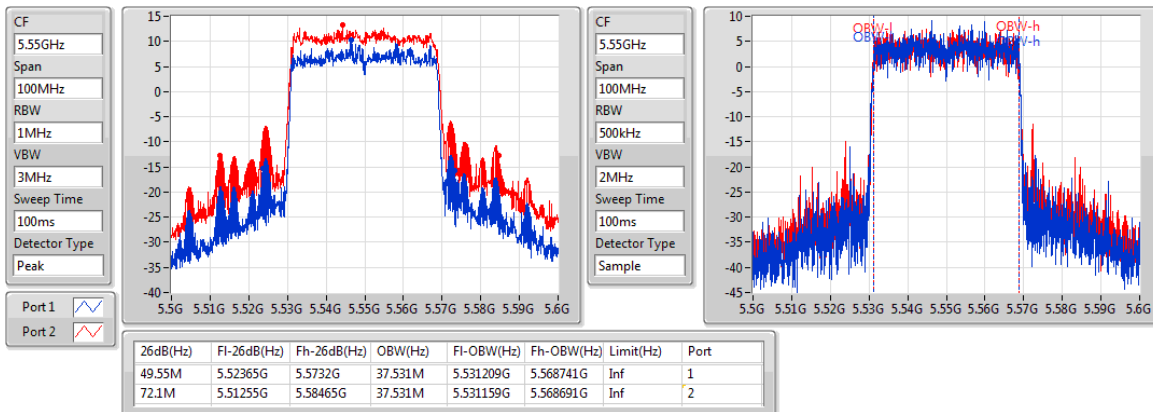


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5550MHz

07/03/2019

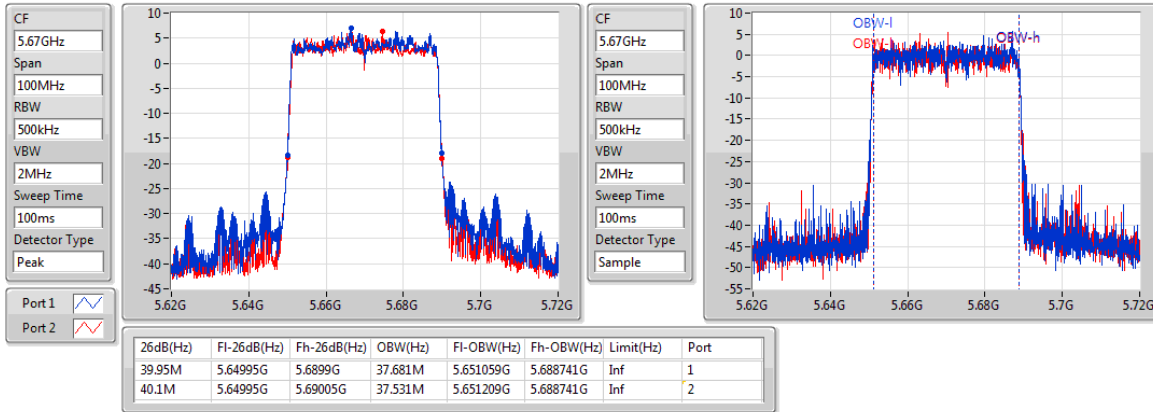


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5670MHz

07/03/2019

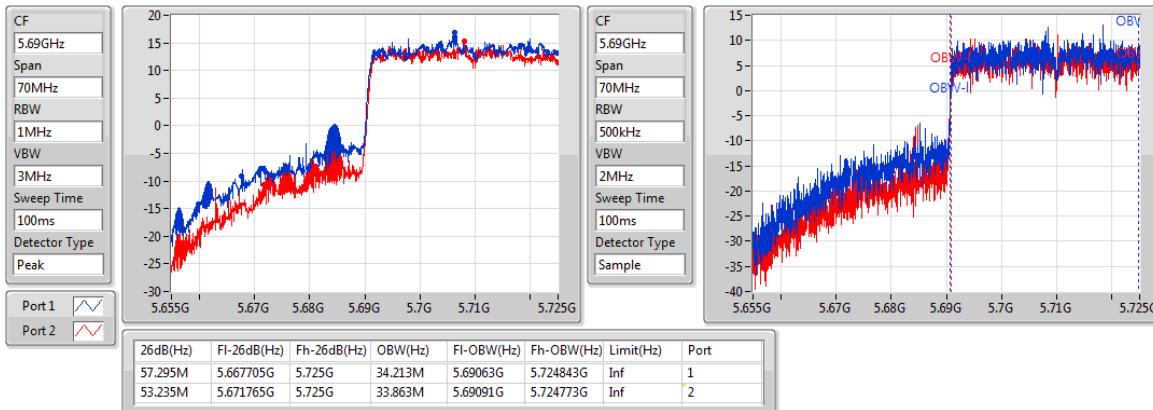


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/03/2019

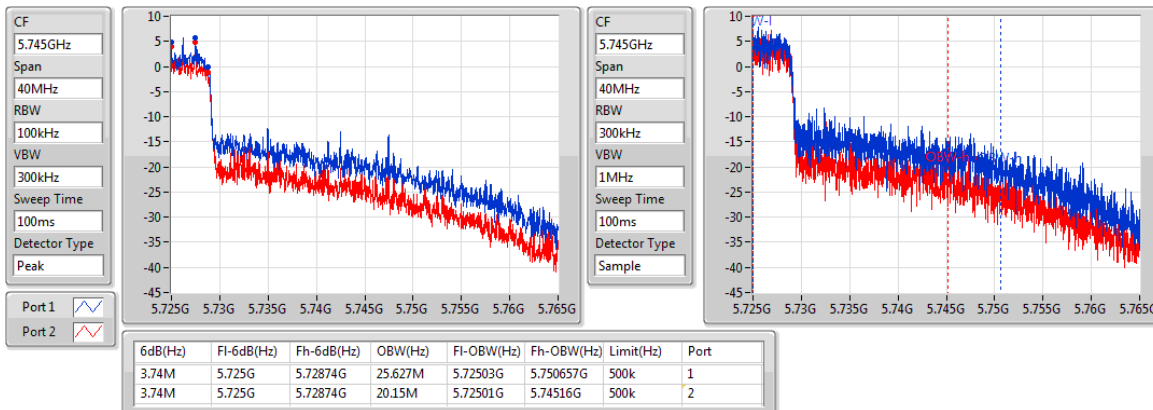


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/03/2019

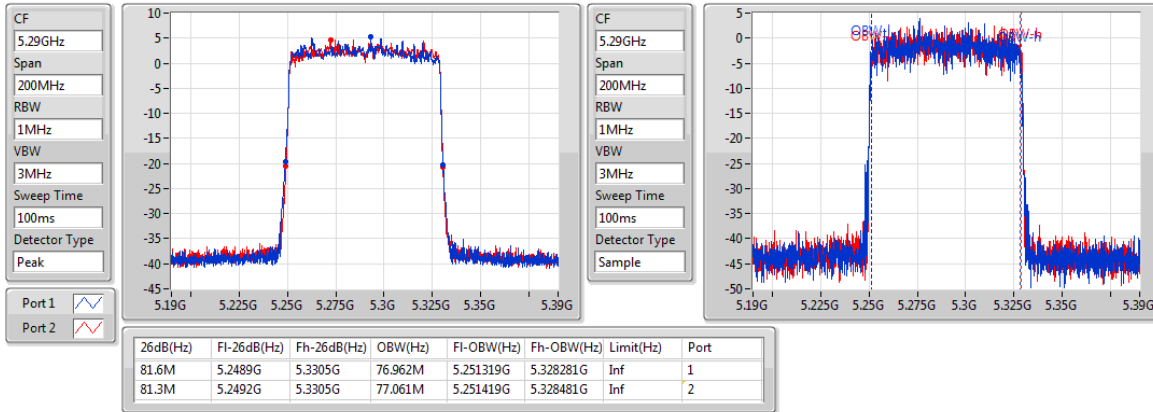


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5290MHz

07/03/2019

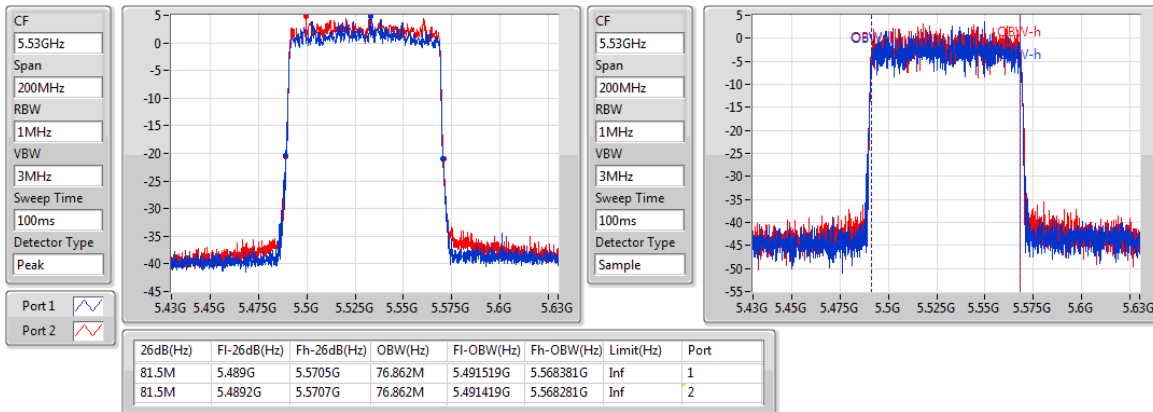


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5530MHz

07/03/2019

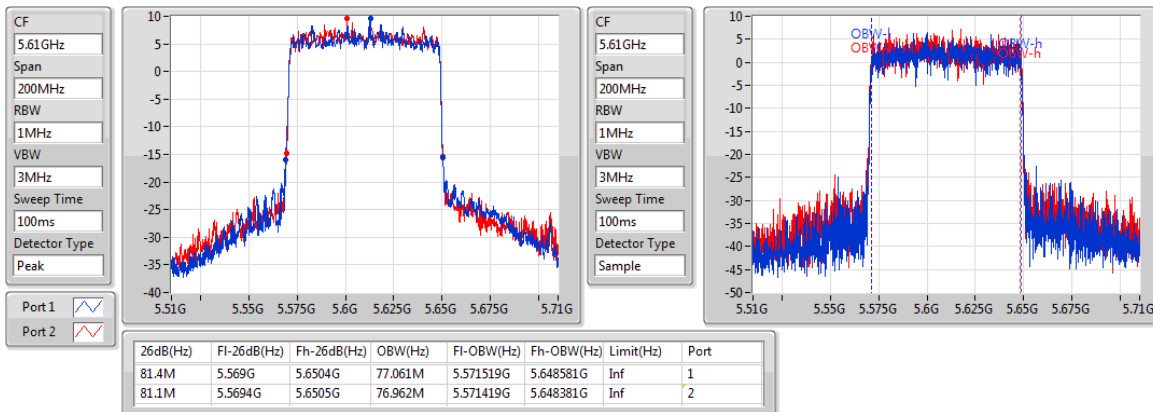


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5610MHz

07/03/2019

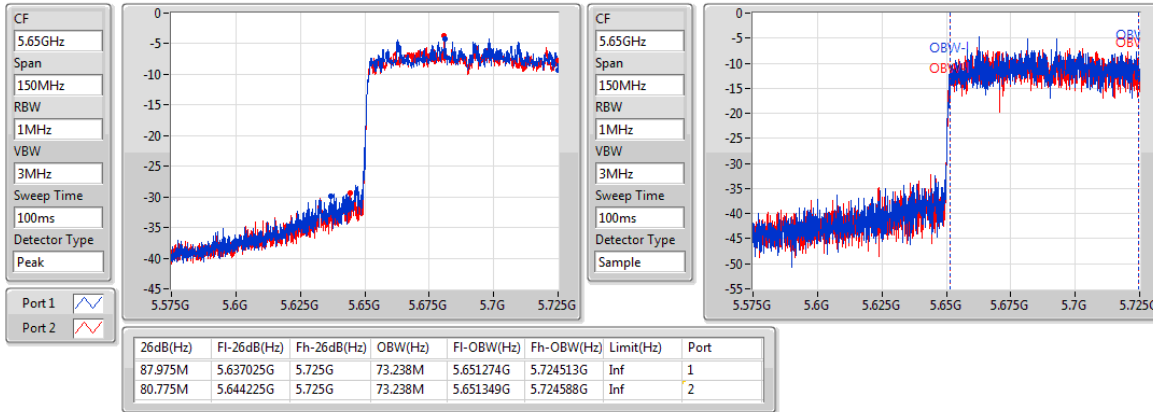


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/03/2019

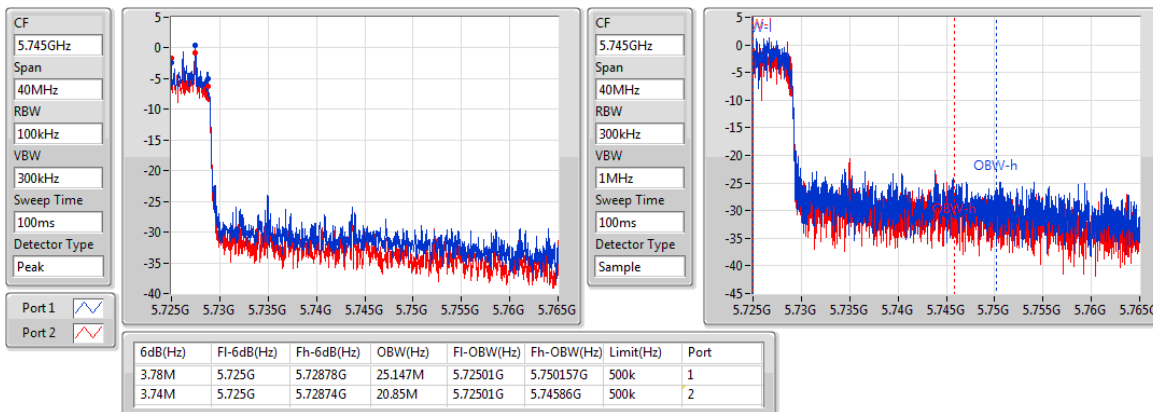


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/03/2019

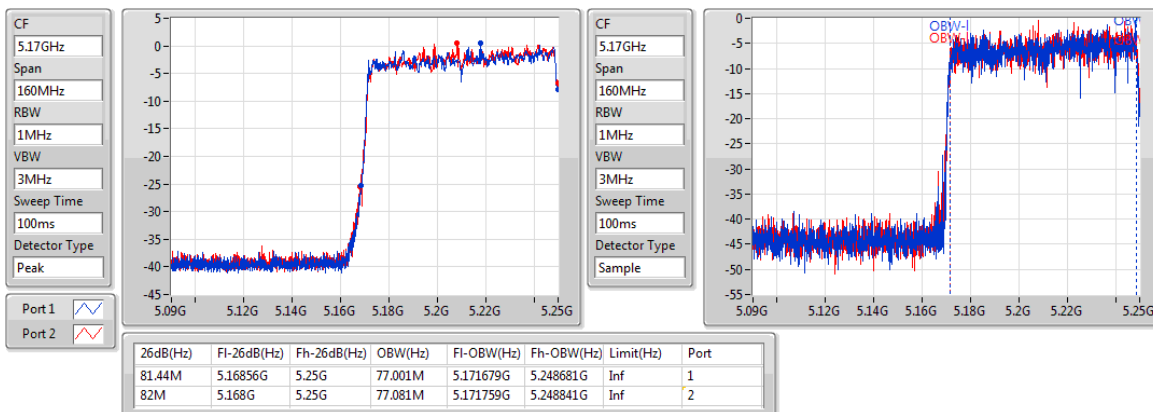


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

07/03/2019

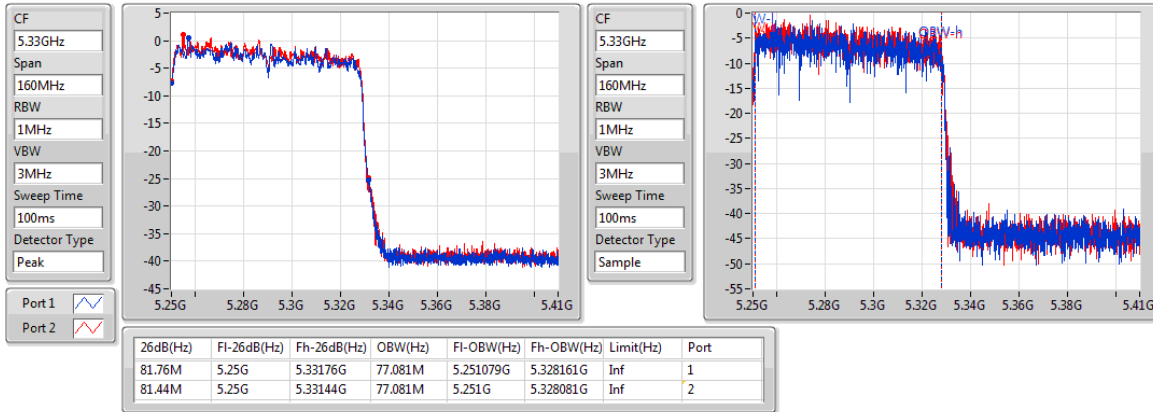


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

07/03/2019

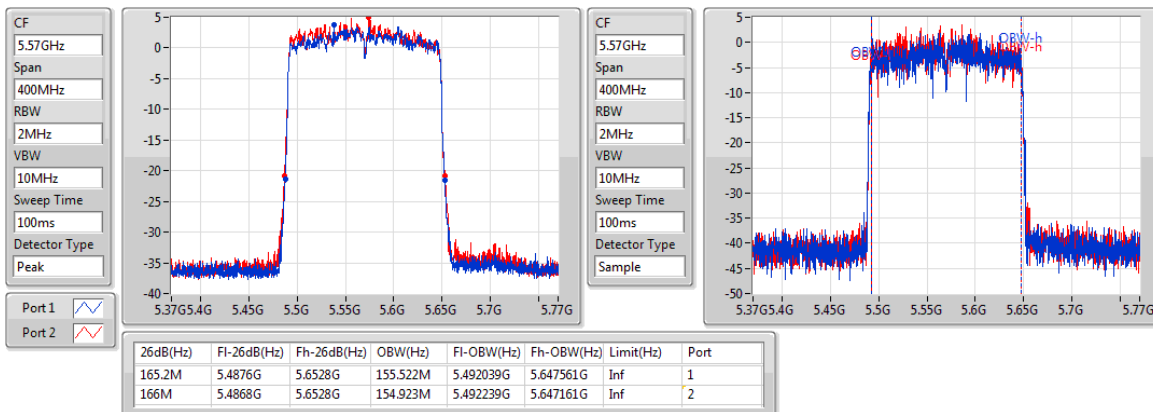


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz

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	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.675M	16.567M	16M6D1D	21.35M	16.542M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.95M	19.015M	19M0D1D	21.275M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.581M	37M6D1D	39.95M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.7M	77.161M	77M2D1D	81.2M	77.061M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.28M	77.161M	77M2D1D	80.72M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.7M	16.617M	16M6D1D	15.6M	13.313M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.9M	18.991M	19M0D1D	15.615M	14.483M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.581M	37M6D1D	35M	33.618M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.7M	77.161M	77M2D1D	75.45M	73.088M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.6M	155.322M	155MD1D	163.4M	154.923M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.16M	3.898M	3M90D1D	3.12M	3.838M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.48M	4.538M	4M54D1D	4.46M	4.478M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.94M	4.018M	4M02D1D	3.7M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.74M	16.672M	16M7D1D	3.34M	7.056M

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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.475M	16.542M	21.625M	16.567M	21.575M	16.542M	21.35M	16.542M
5300MHz	Pass	Inf	21.525M	16.542M	21.5M	16.567M	21.675M	16.567M	21.55M	16.542M
5320MHz	Pass	Inf	21.55M	16.542M	21.575M	16.567M	21.625M	16.567M	21.4M	16.567M
5500MHz	Pass	Inf	21.475M	16.592M	21.425M	16.592M	21.65M	16.567M	21.5M	16.567M
5580MHz	Pass	Inf	21.55M	16.592M	21.575M	16.567M	21.7M	16.617M	21.4M	16.492M
5700MHz	Pass	Inf	21.6M	16.592M	21.6M	16.567M	21.7M	16.592M	21.4M	16.542M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.645M	13.313M	15.69M	13.343M	15.75M	13.328M	15.6M	13.328M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.898M	3.12M	3.838M	3.12M	3.858M	3.12M	3.858M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.725M	18.991M	21.675M	19.015M	21.9M	18.991M	21.4M	18.966M
5300MHz	Pass	Inf	21.65M	18.941M	21.625M	18.991M	21.95M	18.941M	21.275M	18.966M
5320MHz	Pass	Inf	21.675M	18.941M	21.525M	18.966M	21.875M	18.966M	21.4M	18.941M
5500MHz	Pass	Inf	21.65M	18.941M	21.7M	18.966M	21.9M	18.966M	21.5M	18.966M
5580MHz	Pass	Inf	21.75M	18.941M	21.7M	18.966M	21.825M	18.966M	21.35M	18.991M
5700MHz	Pass	Inf	21.825M	18.966M	21.575M	18.941M	21.8M	18.991M	21.5M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.81M	14.498M	15.795M	14.498M	15.93M	14.483M	15.615M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.478M	4.48M	4.498M	4.48M	4.538M	4.46M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40M	37.531M	40.1M	37.481M	40.1M	37.581M	40.1M	37.531M
5310MHz	Pass	Inf	40M	37.481M	40.2M	37.531M	39.95M	37.531M	40.1M	37.531M
5510MHz	Pass	Inf	39.95M	37.481M	40M	37.581M	40.05M	37.481M	39.95M	37.581M
5550MHz	Pass	Inf	39.95M	37.531M	40.05M	37.531M	40.15M	37.481M	40.1M	37.531M
5670MHz	Pass	Inf	39.95M	37.581M	40.1M	37.581M	40.1M	37.531M	40.2M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.723M	35.105M	33.618M	35.07M	33.653M	35.07M	33.688M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.018M	3.72M	4.018M	3.7M	4.018M	3.86M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.7M	77.161M	81.3M	77.161M	81.2M	77.161M	81.4M	77.061M
5530MHz	Pass	Inf	81.6M	77.061M	81.3M	76.962M	81.3M	77.161M	81.5M	76.962M
5610MHz	Pass	Inf	81.7M	77.161M	81.2M	77.061M	81.5M	76.962M	81.5M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.75M	73.088M	75.975M	73.313M	75.45M	73.313M	75.9M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	16.672M	3.66M	14.793M	3.74M	13.693M	3.34M	7.056M
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
5570MHz	Pass	Inf	165.6M	155.322M	165.6M	154.923M	163.4M	155.322M	164.6M	155.122M

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

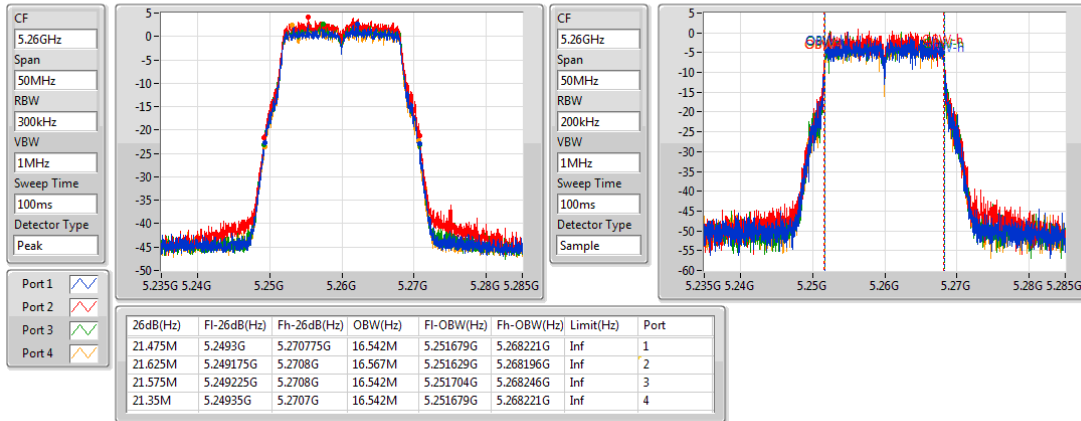
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

07/03/2019

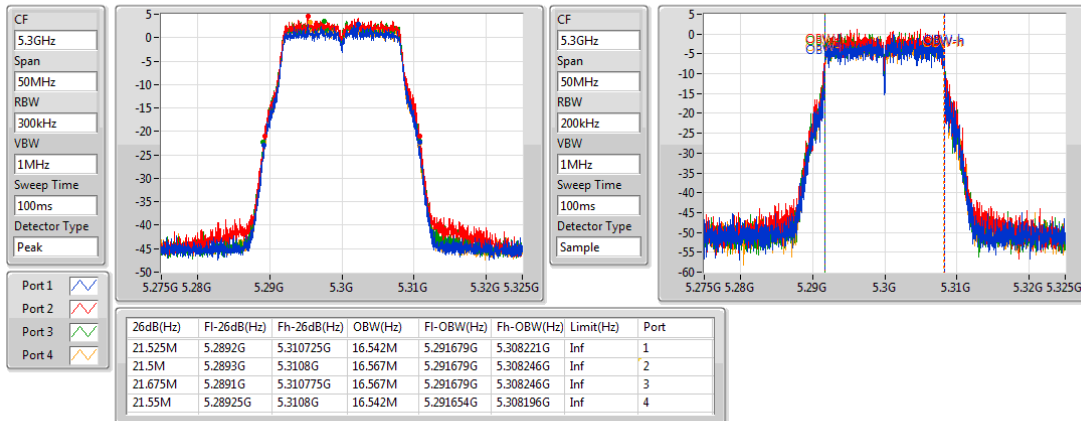


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

07/03/2019

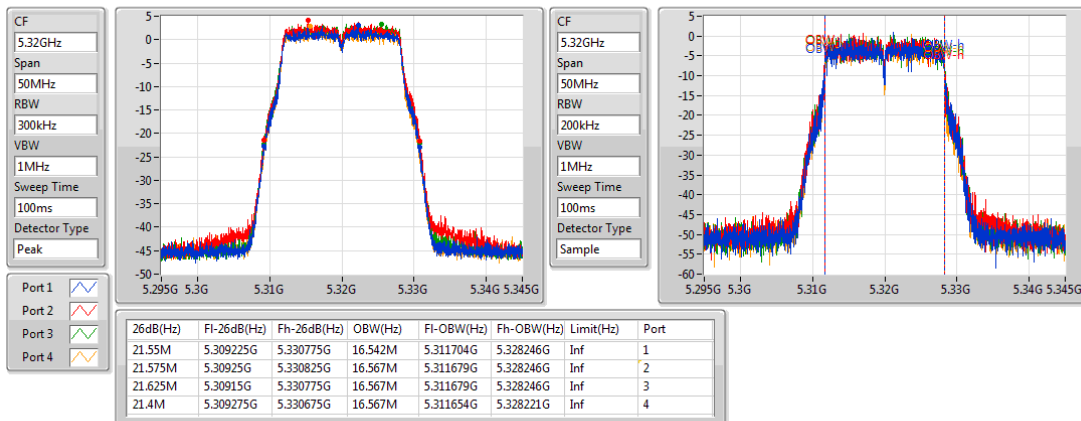


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

07/03/2019

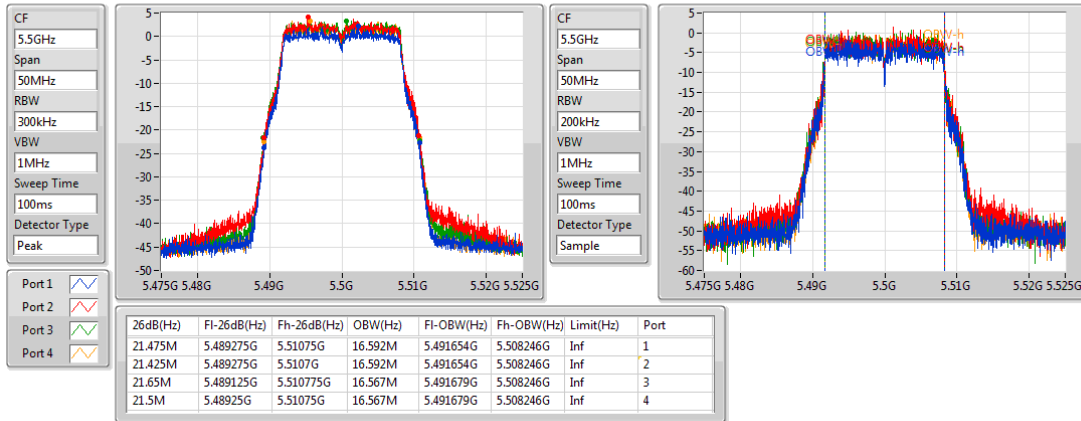


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

07/03/2019

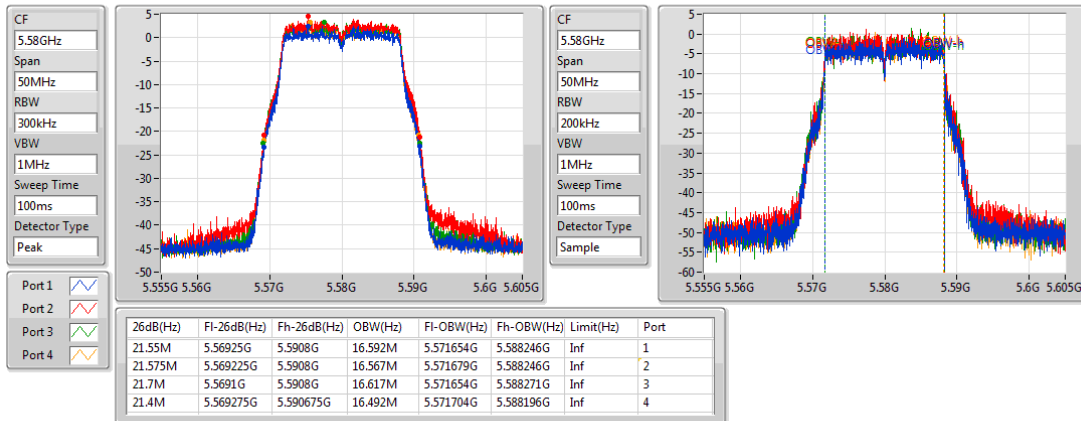


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

07/03/2019

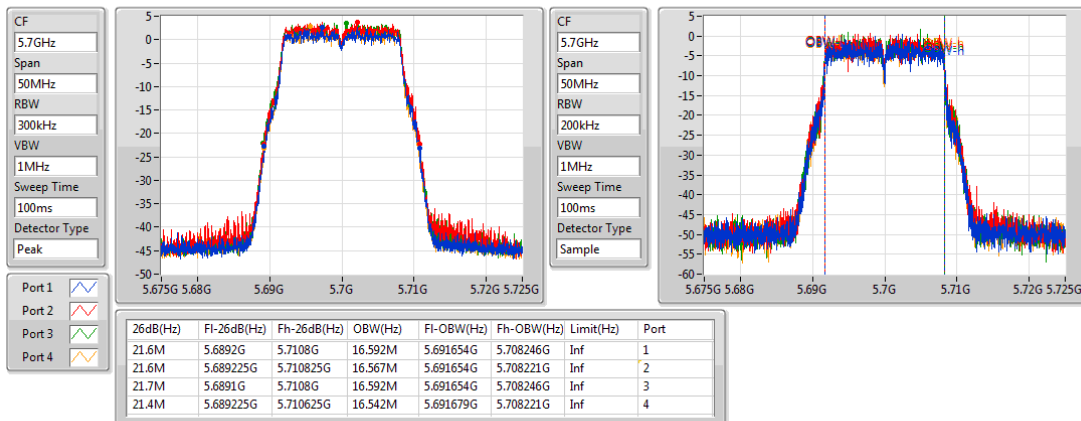


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

07/03/2019

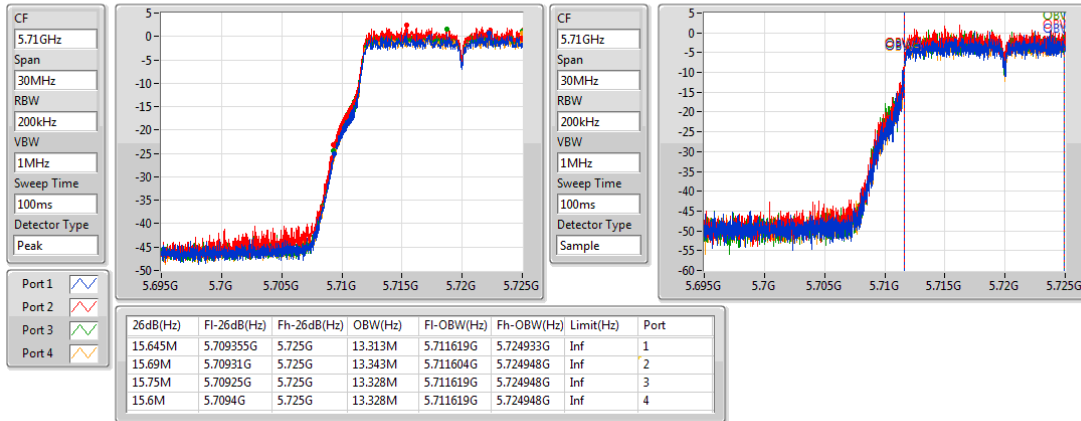


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/03/2019

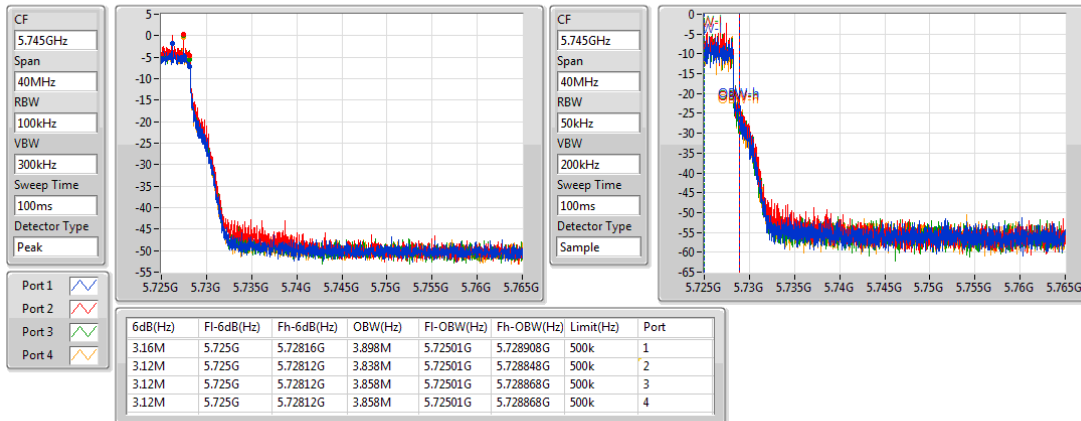


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/03/2019

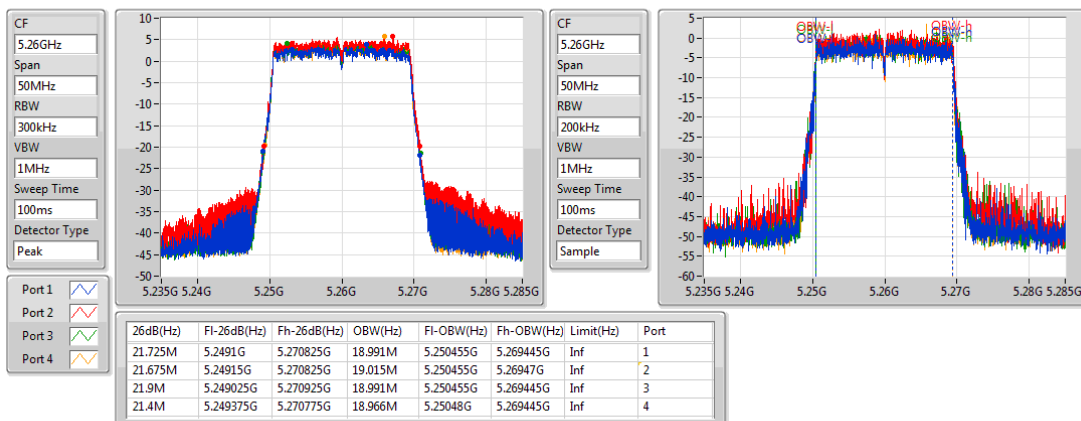


802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

07/03/2019

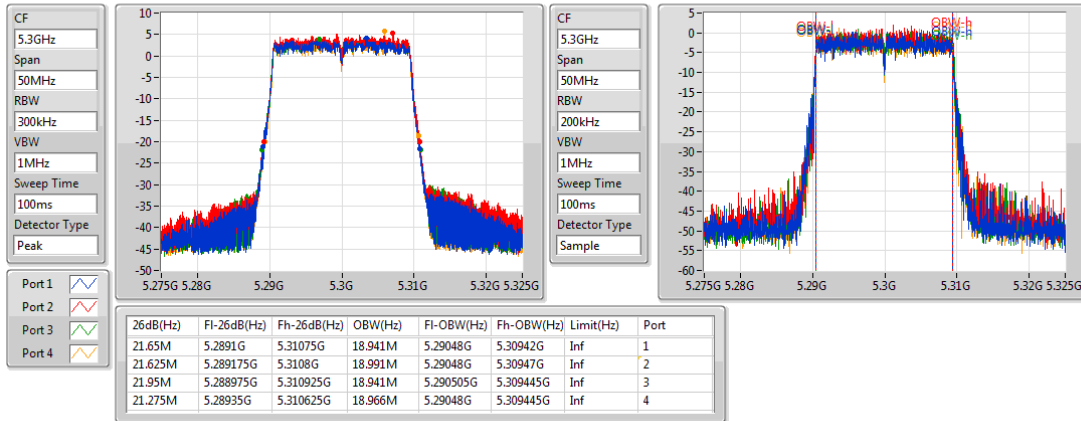


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

07/03/2019

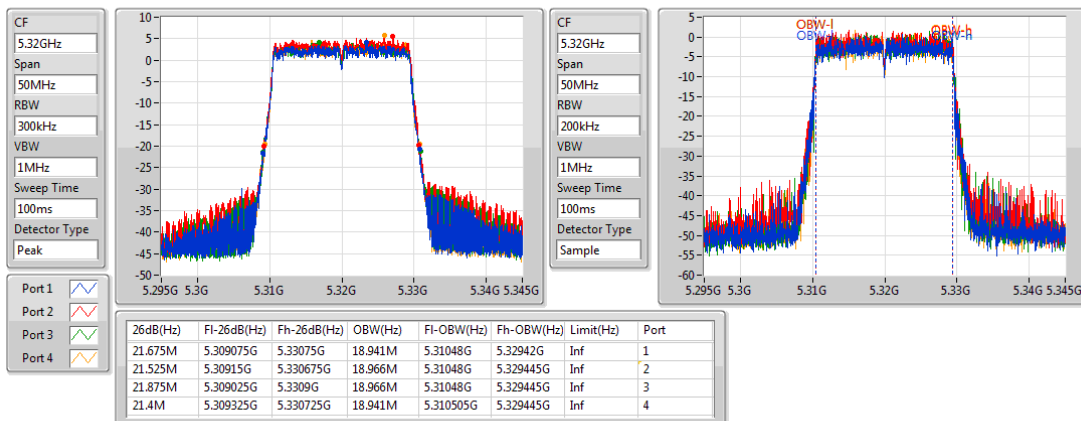


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

07/03/2019

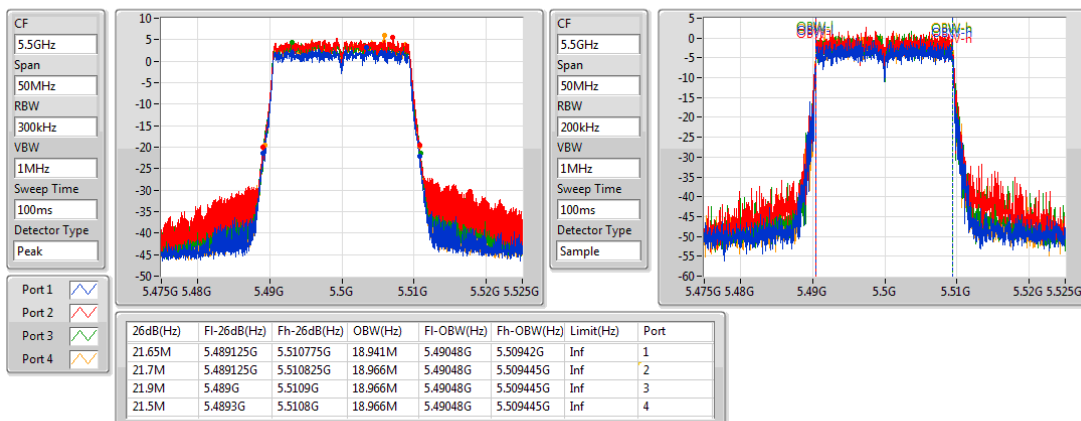


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

07/03/2019

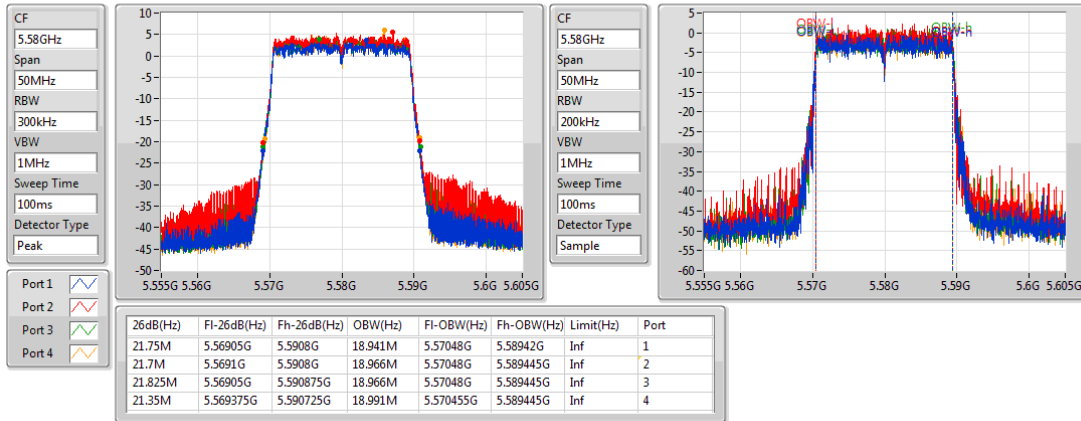


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

07/03/2019

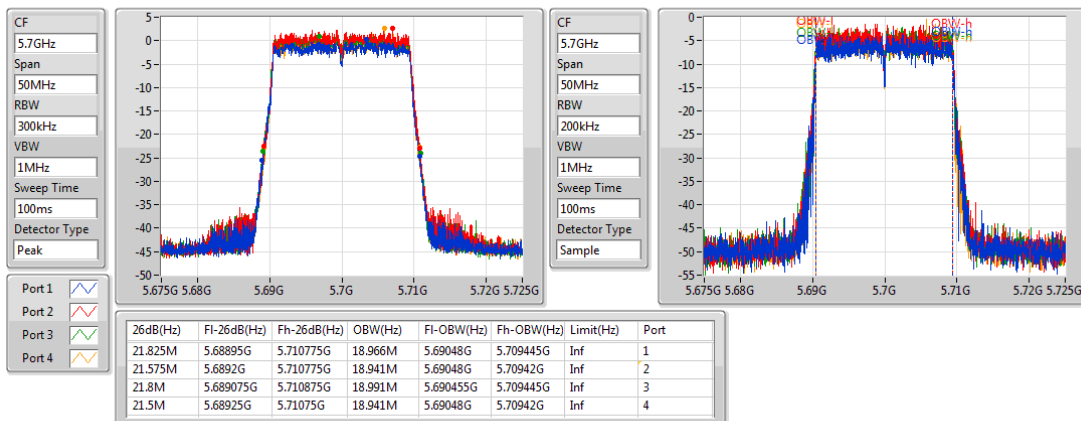


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

07/03/2019

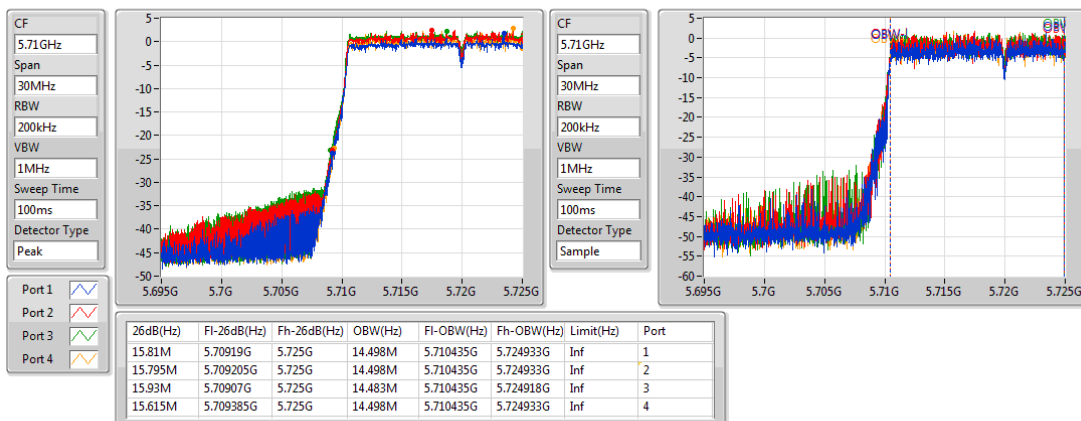


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/03/2019

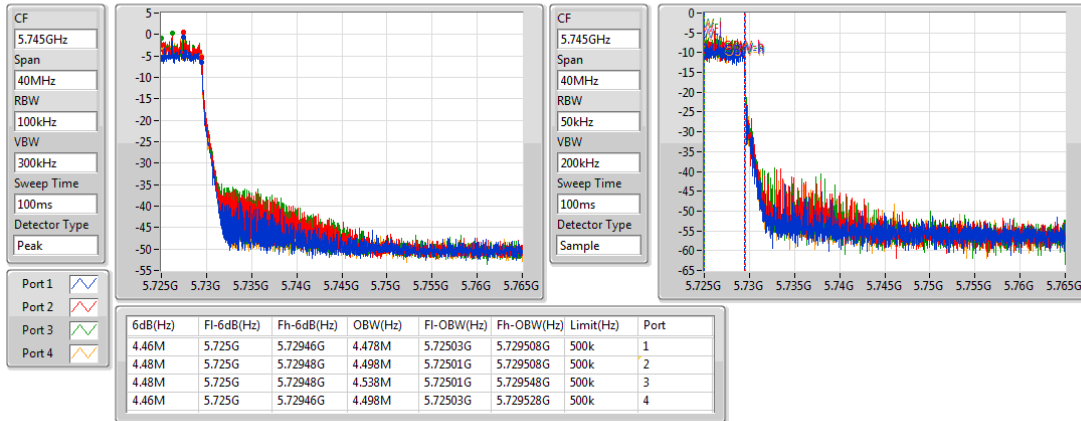


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/03/2019

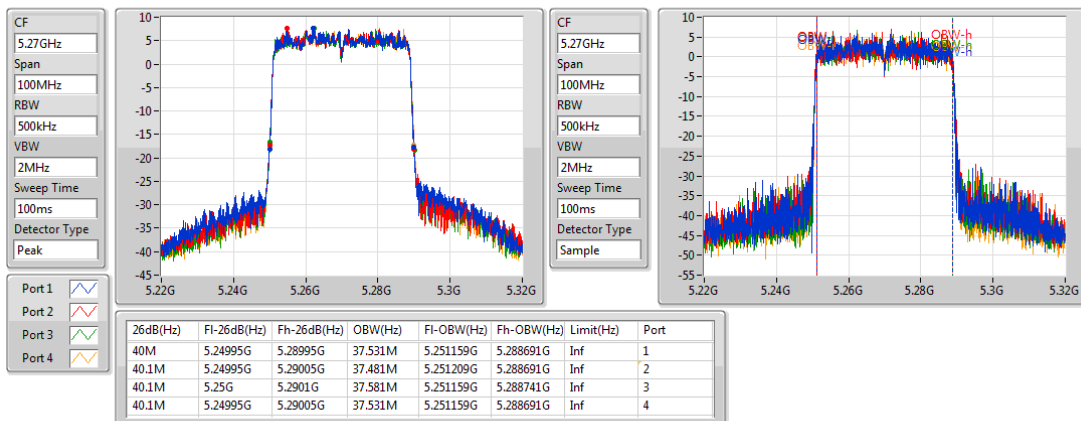


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

07/03/2019

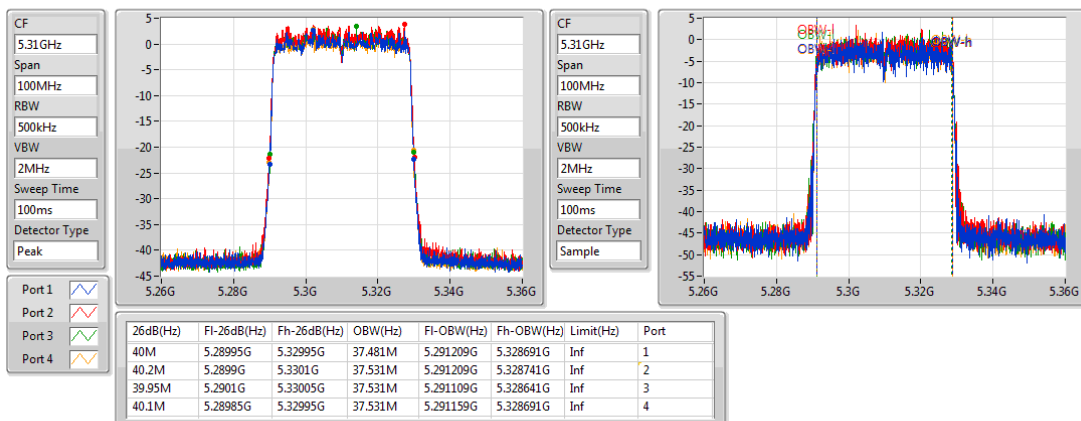


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

07/03/2019

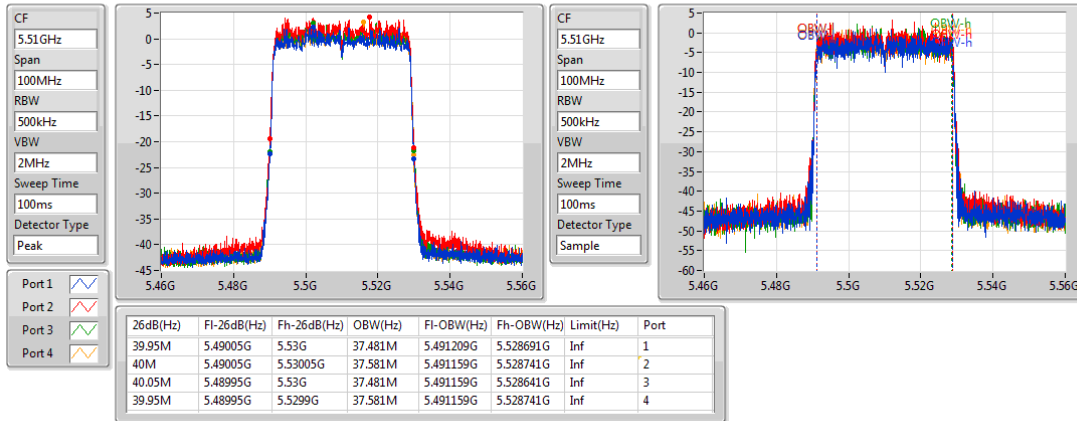


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

07/03/2019

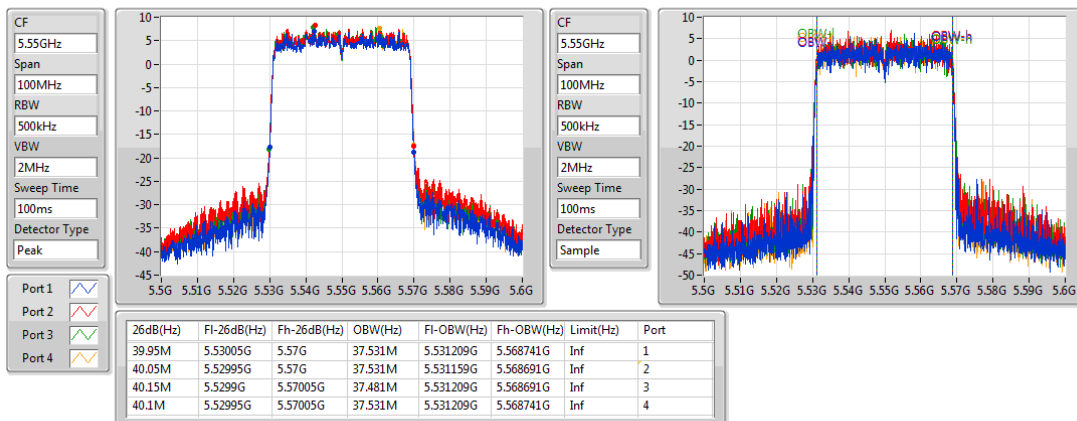


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

07/03/2019

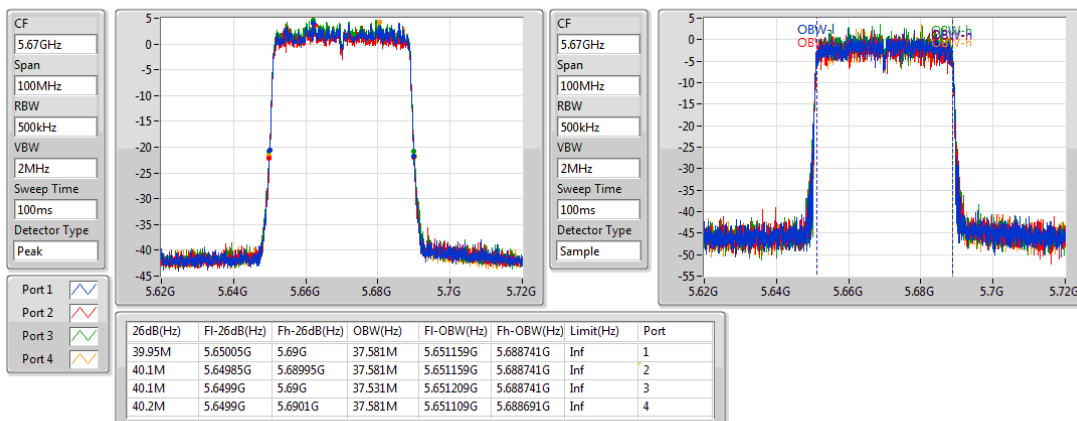


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

07/03/2019

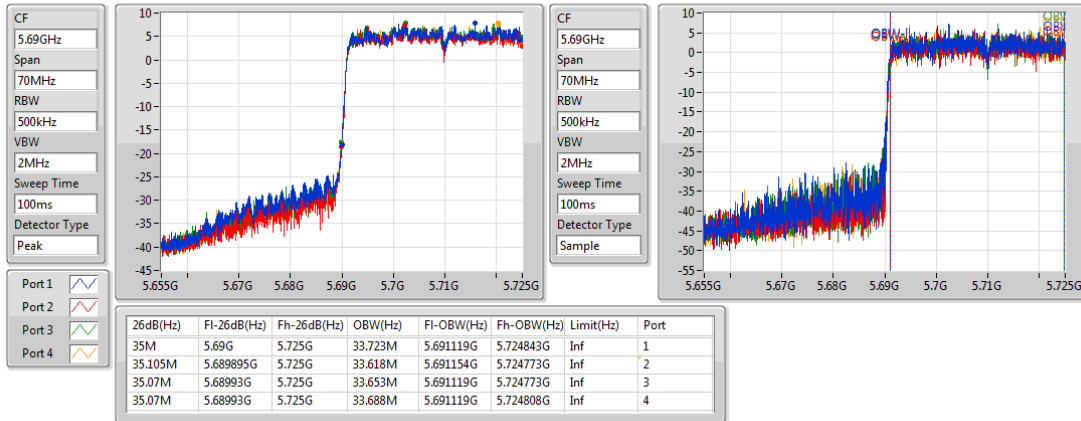


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/03/2019

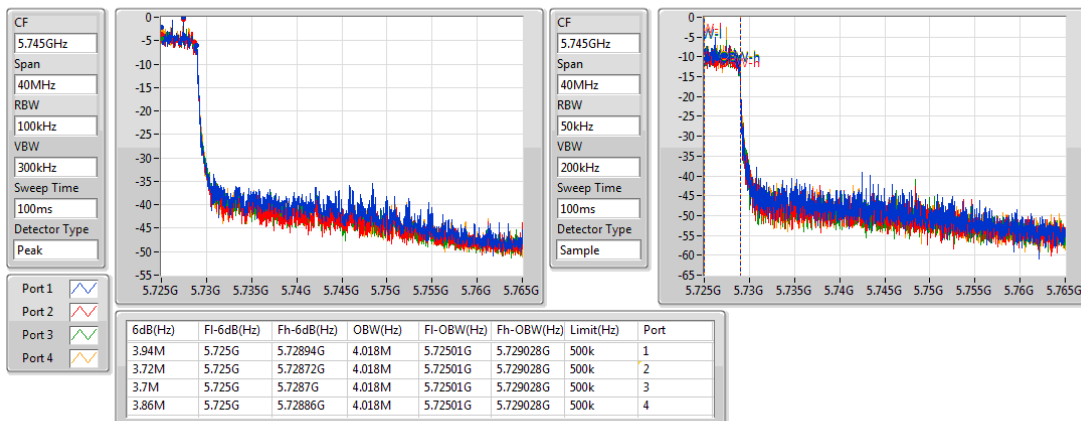


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/03/2019

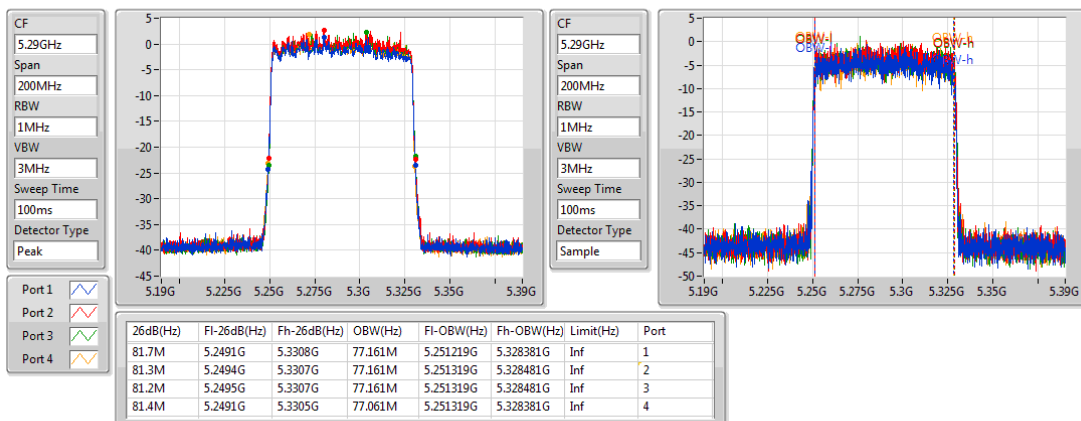


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

07/03/2019

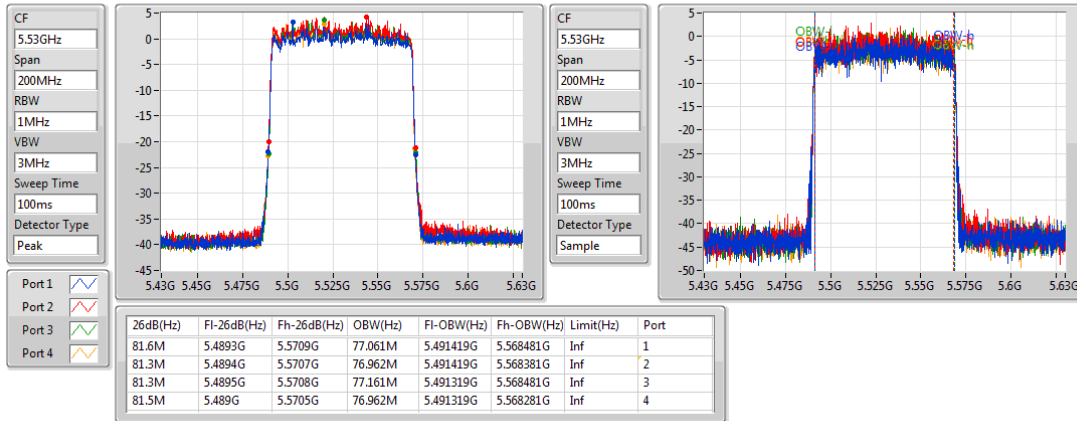


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

07/03/2019

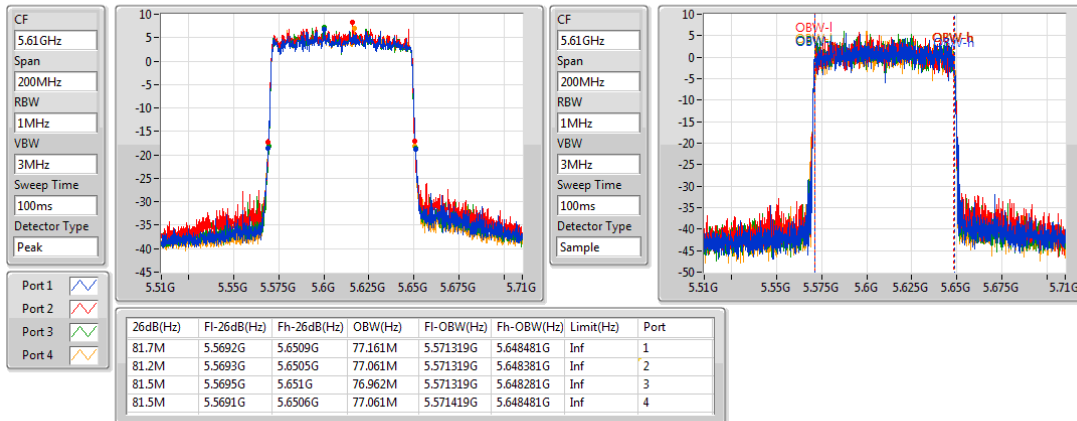


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

07/03/2019

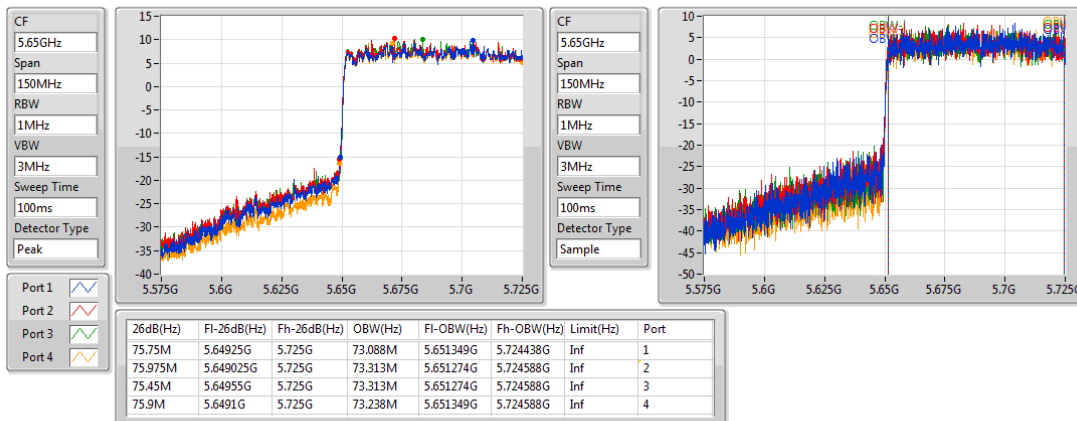


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/03/2019

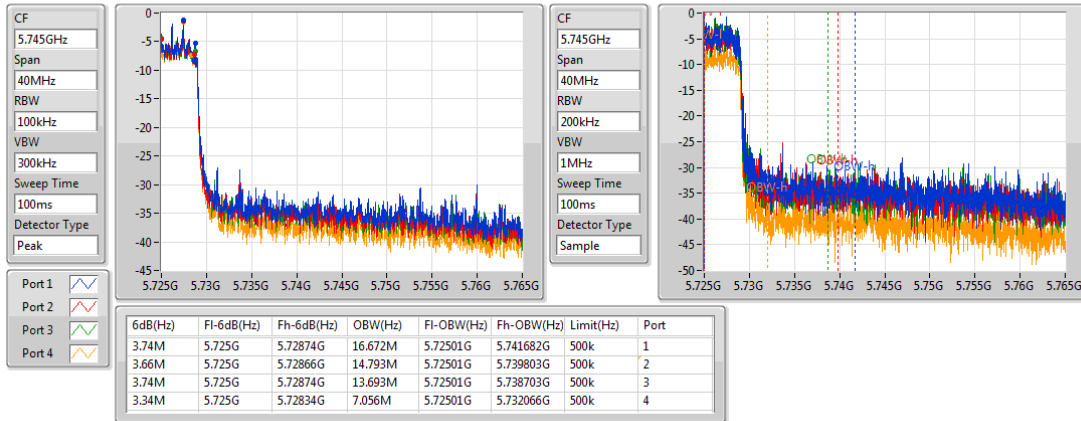


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/03/2019

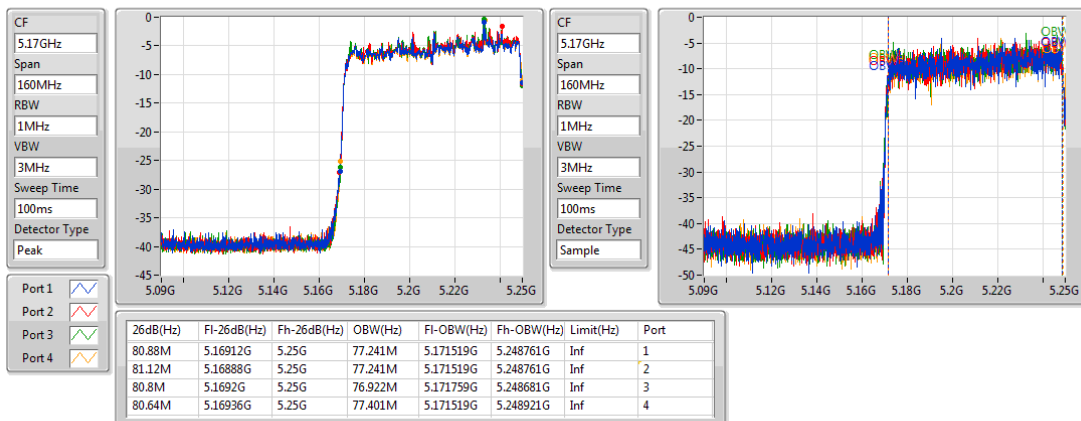


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

07/03/2019

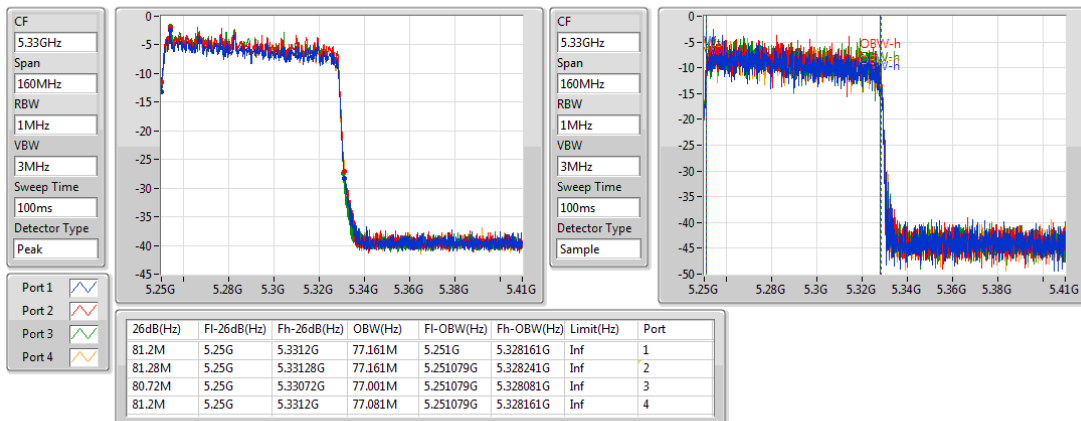


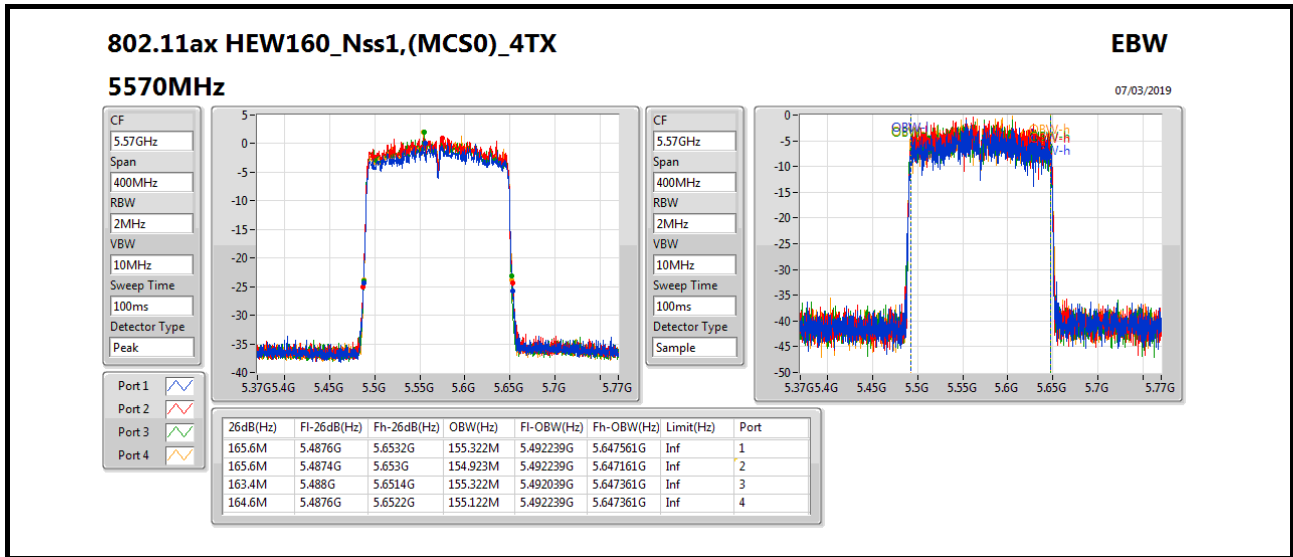
802.11ax HEW160_Nss1,(MCS0)_4TX

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 HEW20-BF_Nss1,(MCS0)_4TX	21.9M	19.015M	19M0D1D	21.325M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.631M	37M6D1D	39.9M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.7M	77.261M	77M3D1D	81.2M	76.862M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.36M	77.161M	77M2D1D	80.88M	76.922M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.875M	18.991M	19M0D1D	15.69M	14.438M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.631M	37M6D1D	34.965M	33.583M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.8M	77.161M	77M2D1D	75.45M	73.163M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165M	155.722M	156MD1D	164M	154.923M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.52M	4.538M	4M54D1D	4.46M	4.498M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.96M	4.038M	4M04D1D	3.72M	3.998M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.78M	4.038M	4M04D1D	3.46M	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	21.675M	18.941M	21.675M	18.941M	21.9M	18.991M	21.425M	18.941M
5300MHz	Pass	Inf	21.775M	18.966M	21.575M	19.015M	21.8M	18.966M	21.325M	18.941M
5320MHz	Pass	Inf	21.75M	18.941M	21.775M	18.941M	21.8M	18.991M	21.55M	18.966M
5500MHz	Pass	Inf	21.8M	18.941M	21.7M	18.966M	21.875M	18.941M	21.375M	18.966M
5580MHz	Pass	Inf	21.65M	18.966M	21.7M	18.991M	21.825M	18.991M	21.4M	18.966M
5700MHz	Pass	Inf	21.725M	18.966M	21.625M	18.941M	21.825M	18.991M	21.5M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	14.498M	15.795M	14.438M	15.84M	14.468M	15.69M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.498M	4.52M	4.518M	4.46M	4.538M	4.5M	4.518M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.95M	37.531M	40.05M	37.531M	40.1M	37.531M	40.2M	37.631M
5310MHz	Pass	Inf	40M	37.581M	40.1M	37.631M	40.1M	37.481M	39.9M	37.581M
5510MHz	Pass	Inf	40M	37.531M	40.1M	37.481M	40M	37.481M	40.2M	37.581M
5550MHz	Pass	Inf	40.05M	37.581M	40M	37.531M	40.05M	37.531M	40.1M	37.581M
5670MHz	Pass	Inf	39.95M	37.481M	40.05M	37.631M	40.1M	37.531M	40.15M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.583M	35.07M	33.653M	35.07M	33.583M	35.07M	33.583M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.018M	3.74M	4.038M	3.72M	4.018M	3.9M	3.998M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.7M	77.061M	81.4M	76.962M	81.2M	77.261M	81.2M	76.862M
5530MHz	Pass	Inf	81.7M	77.061M	81.2M	77.161M	81.3M	77.061M	81.4M	76.862M
5610MHz	Pass	Inf	81.1M	77.061M	81.8M	76.962M	81.4M	77.161M	81.5M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.6M	73.238M	75.6M	73.163M	75.45M	73.163M	75.825M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.038M	3.46M	4.038M	3.76M	4.038M	3.62M	4.038M
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
5570MHz	Pass	Inf	164.4M	155.322M	164.8M	154.923M	164M	155.522M	165M	155.722M

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

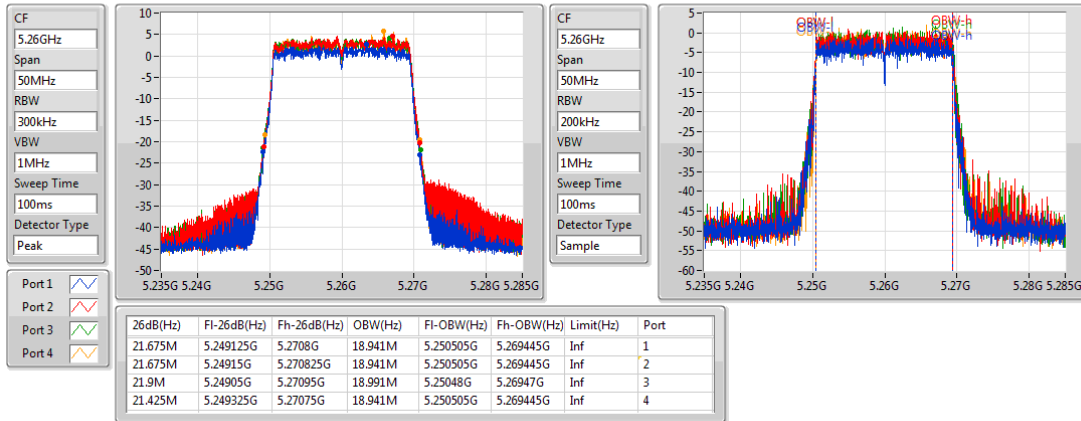
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

06/03/2019

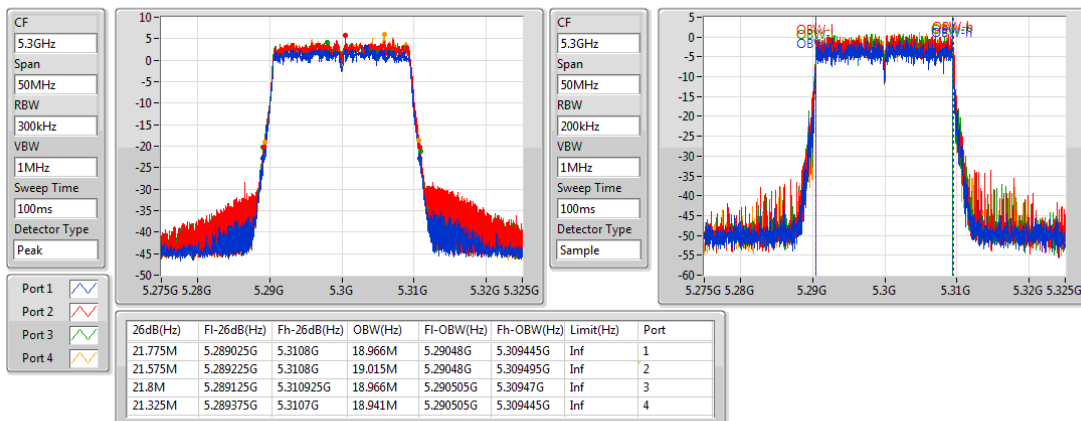


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

06/03/2019

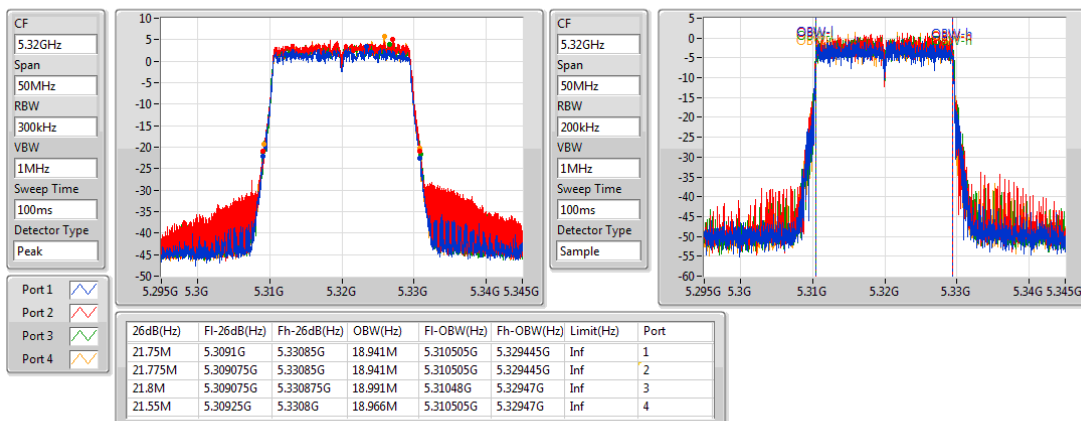


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

06/03/2019

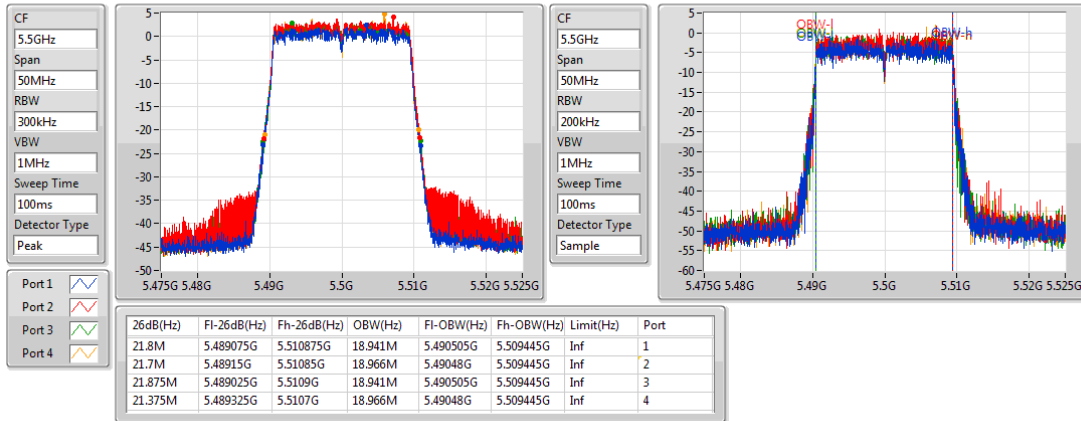


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

06/03/2019

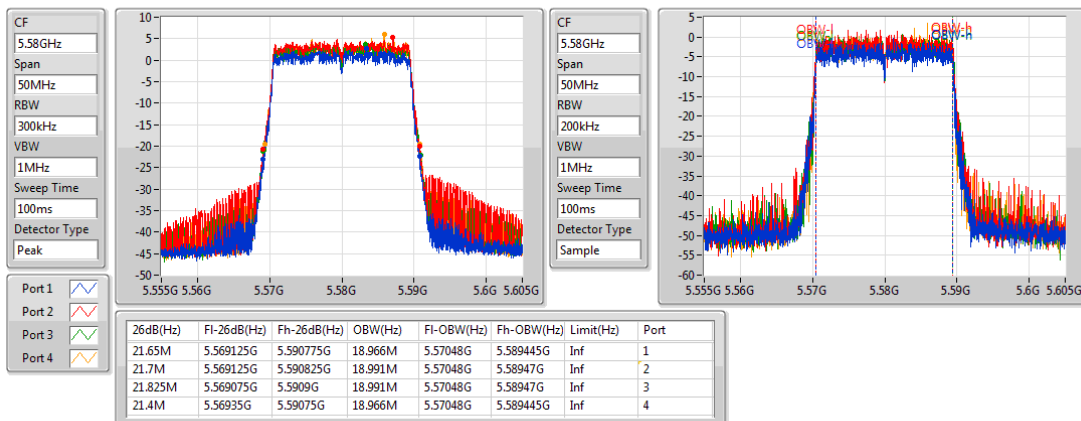


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

06/03/2019

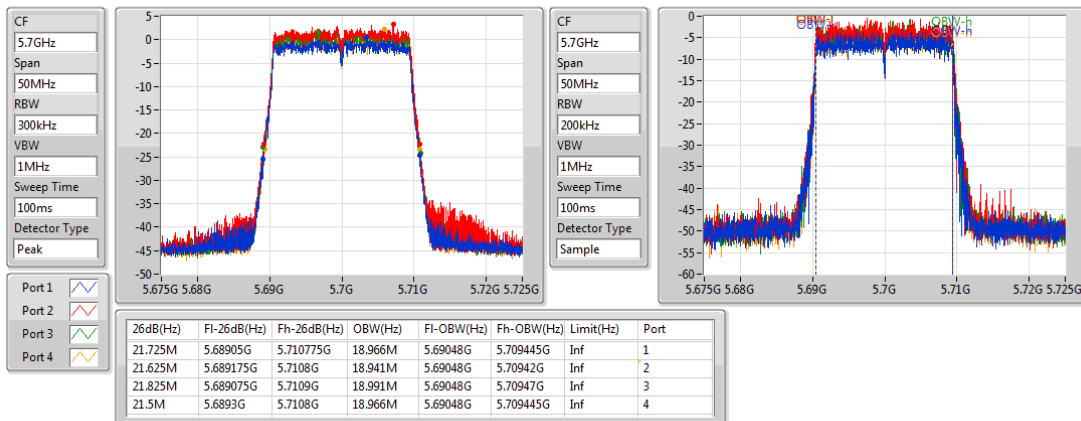


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

06/03/2019

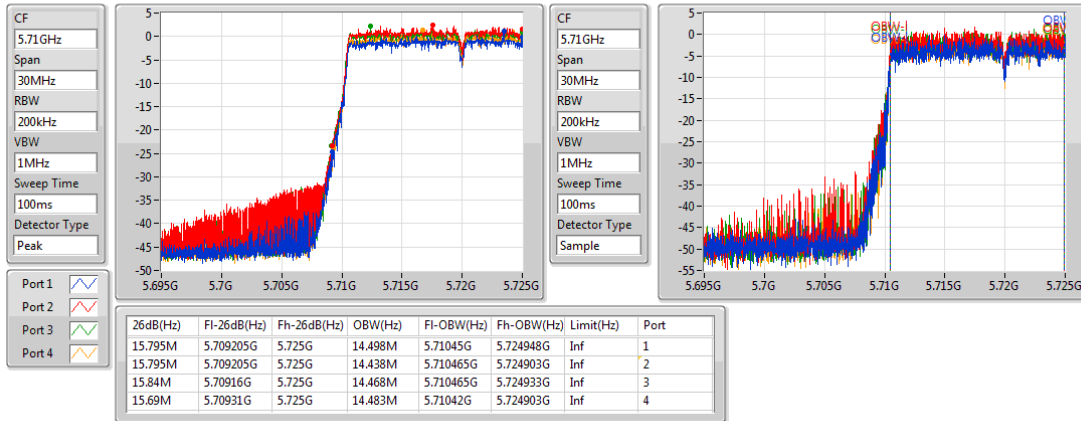


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/03/2019

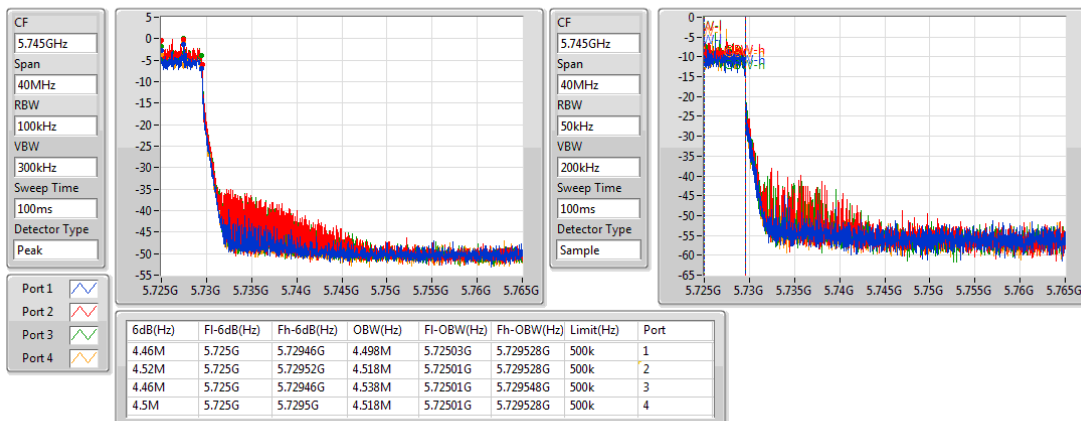


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

06/03/2019

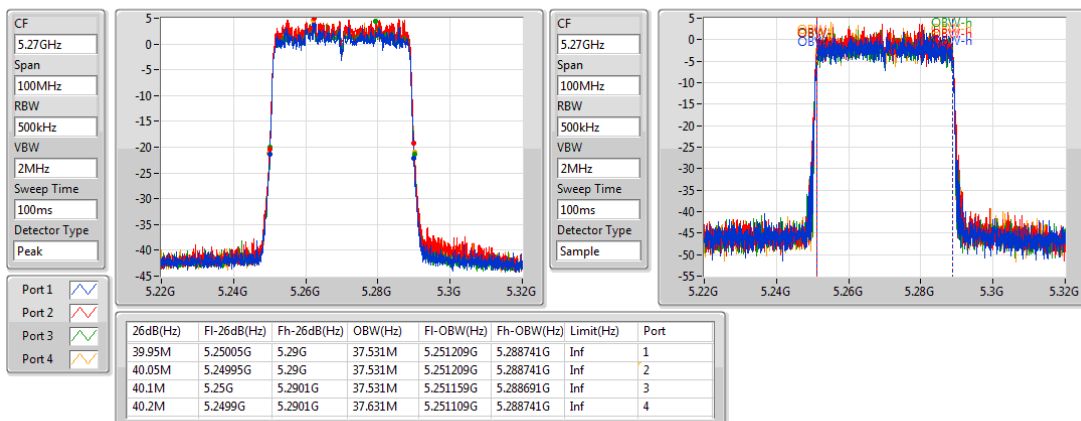


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

06/03/2019

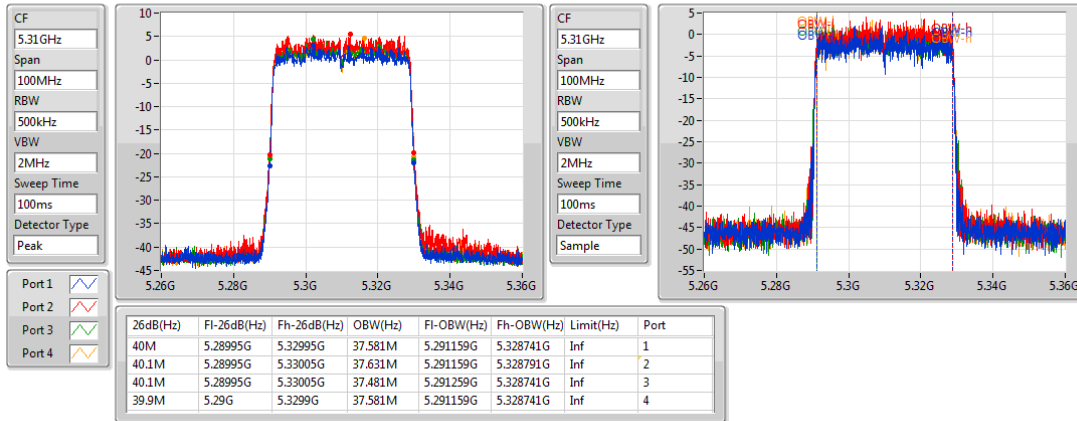


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

06/03/2019

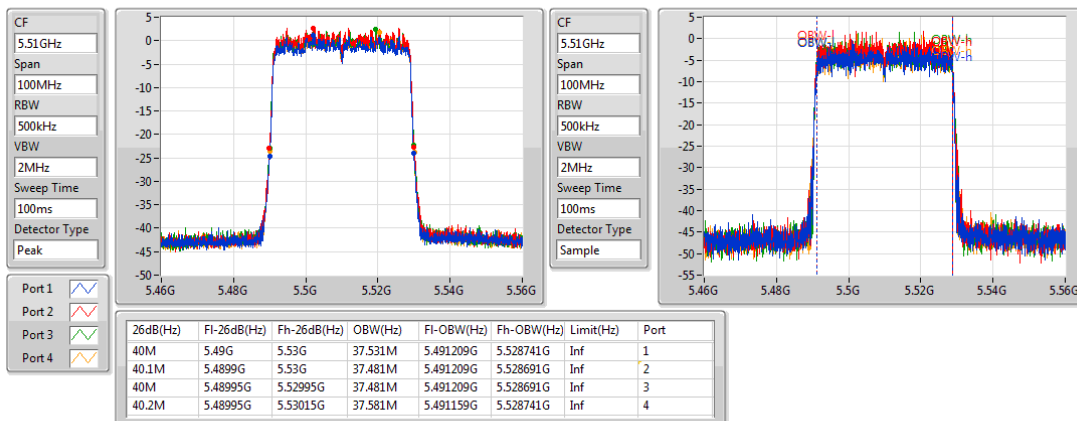


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

06/03/2019

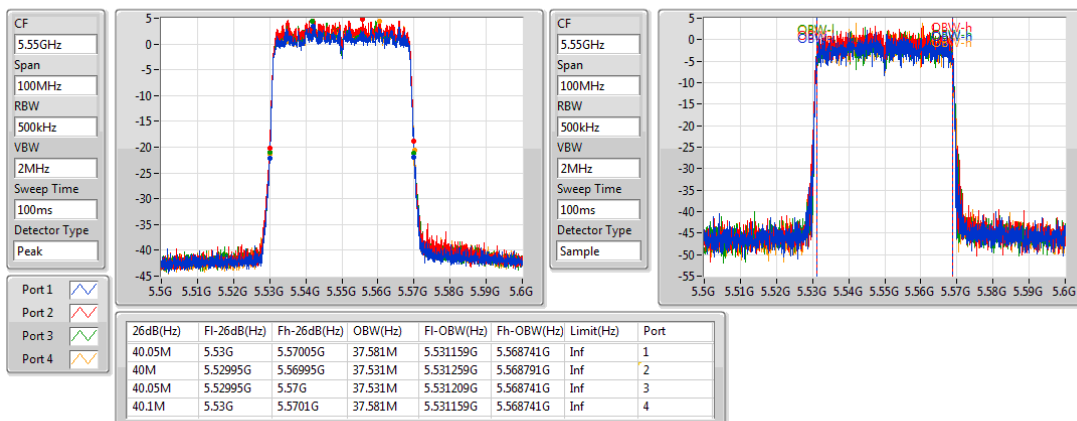


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

06/03/2019

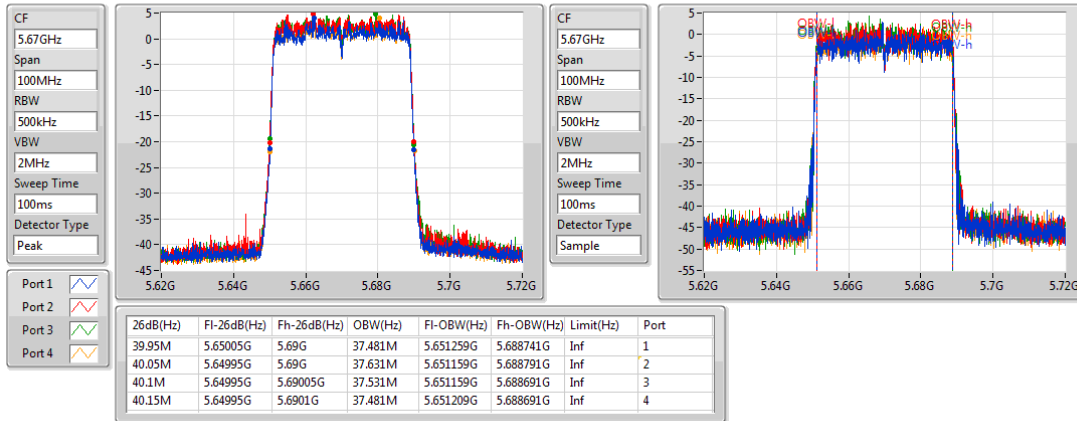


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

06/03/2019

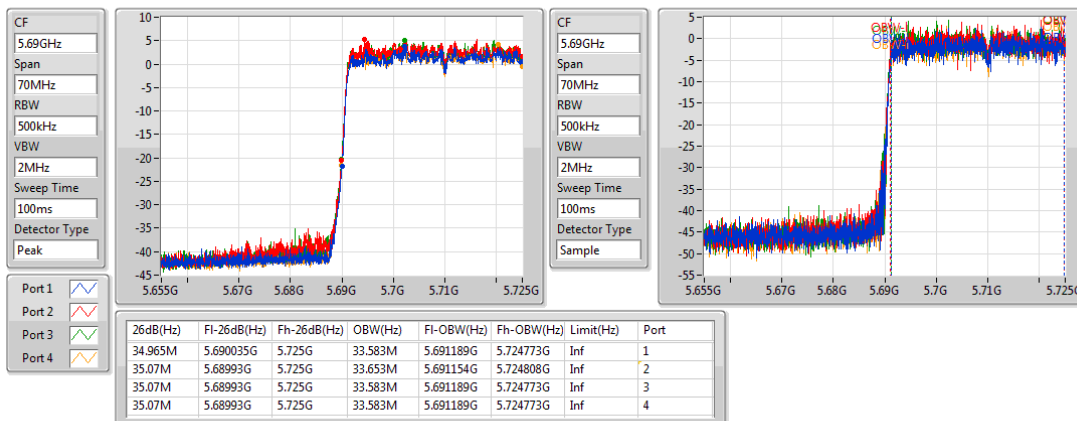


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

06/03/2019

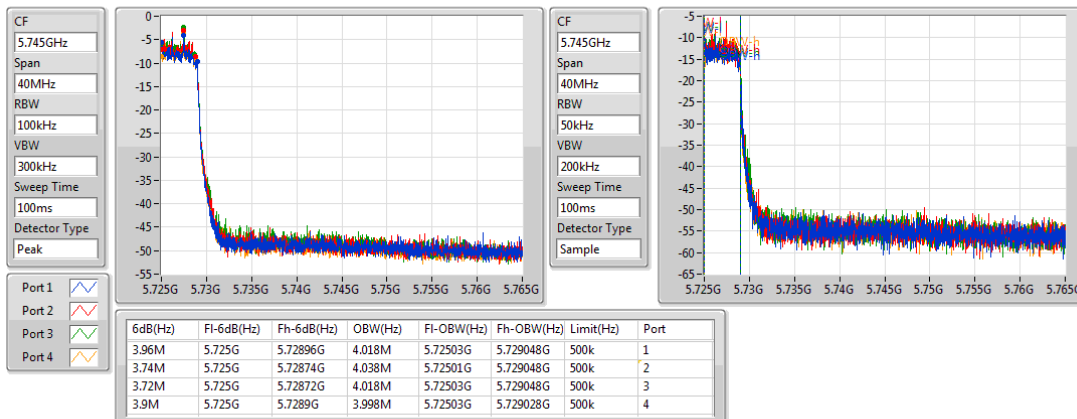


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

06/03/2019

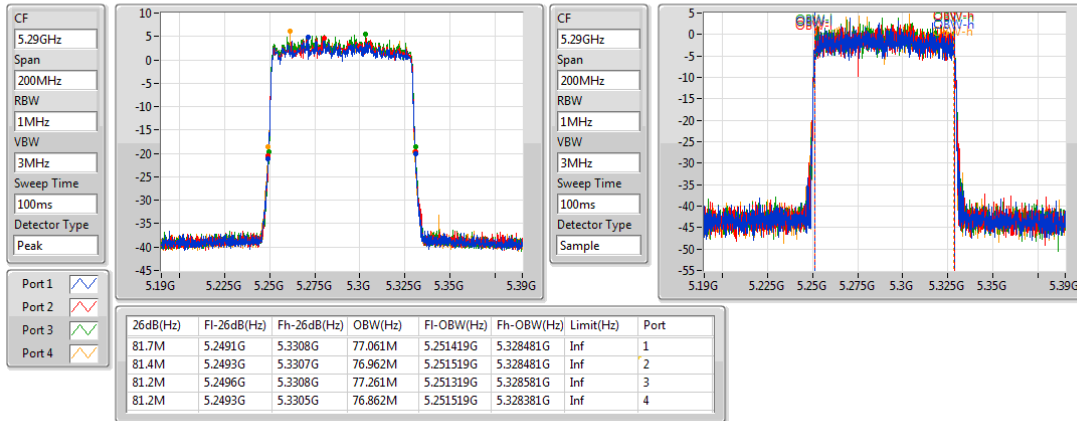


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

06/03/2019

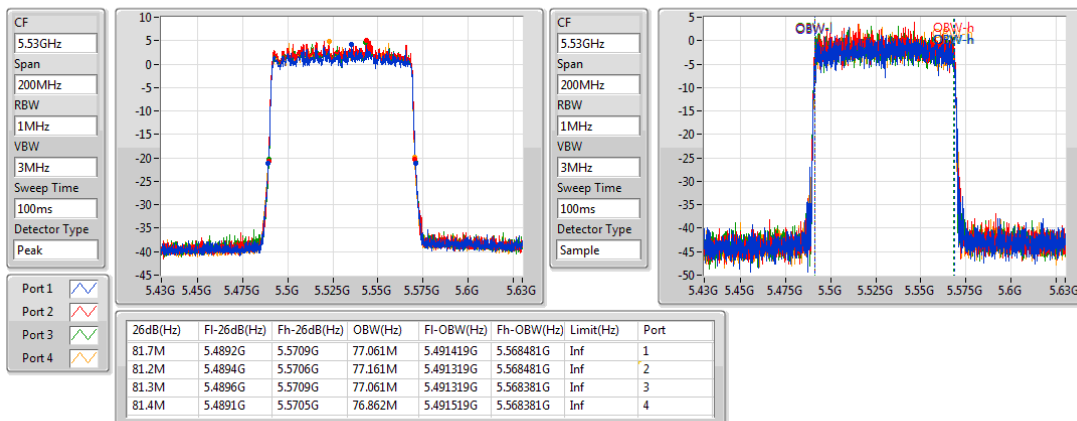


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

06/03/2019

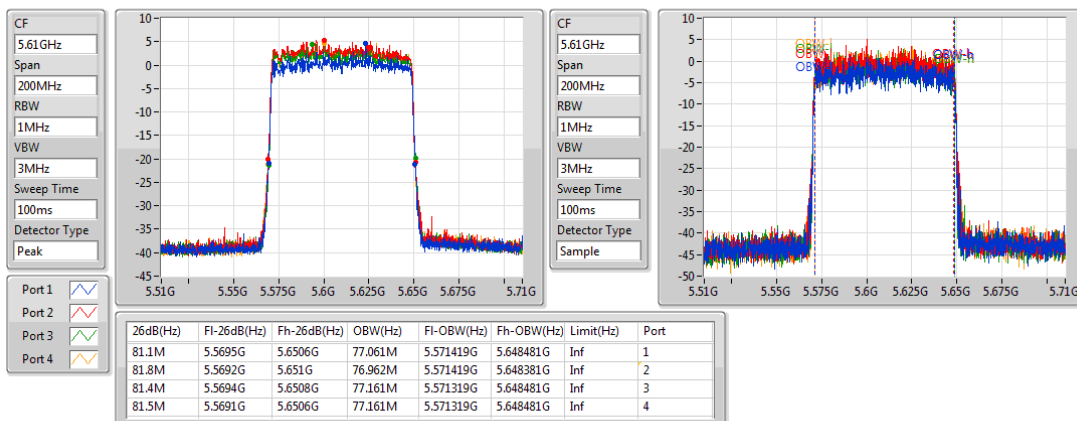


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

06/03/2019

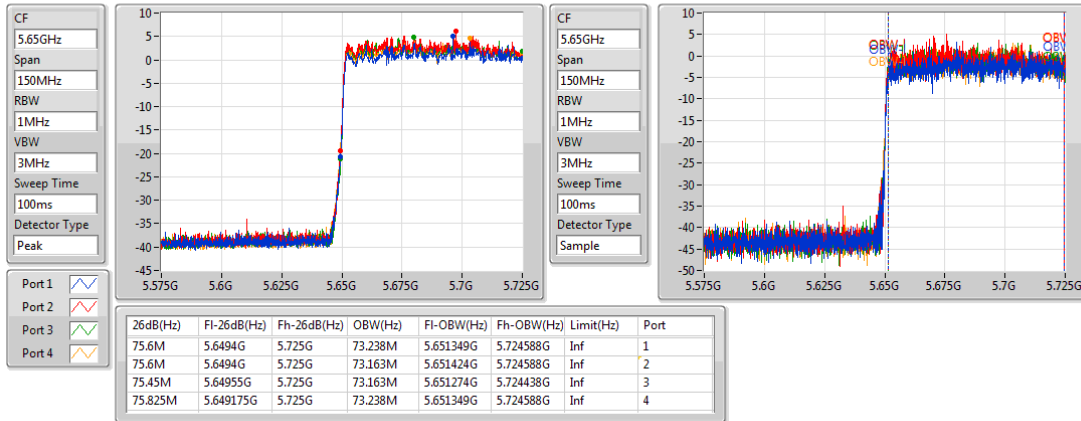


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

06/03/2019

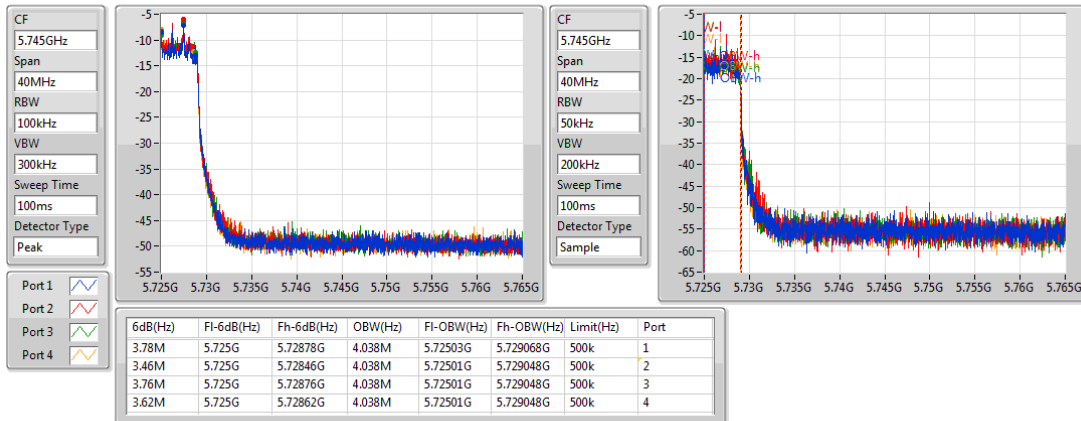


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

06/03/2019

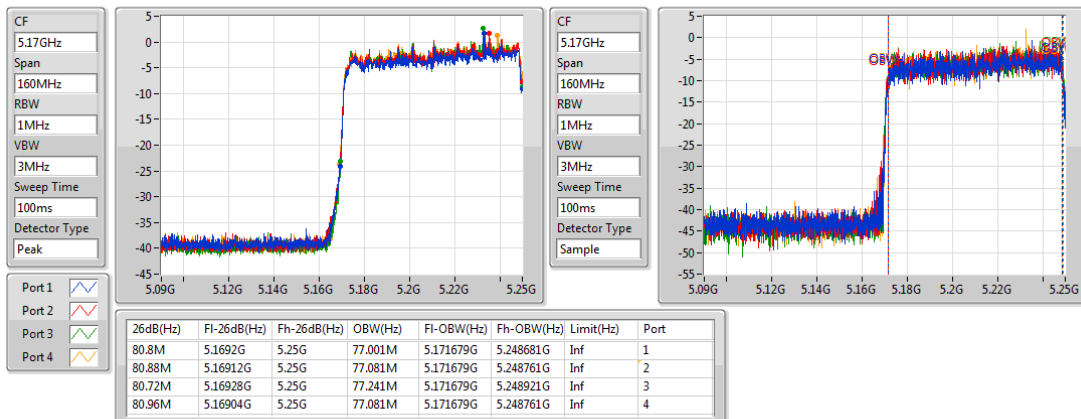


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

06/03/2019

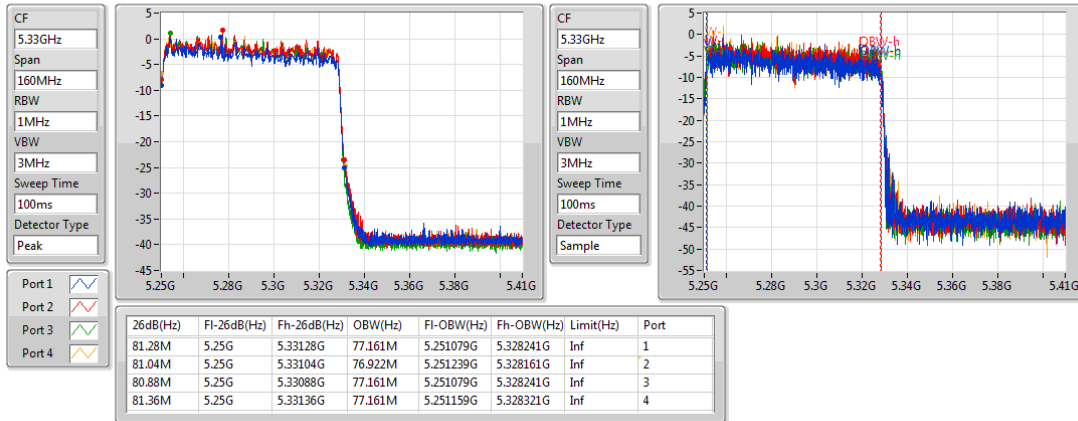


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

06/03/2019

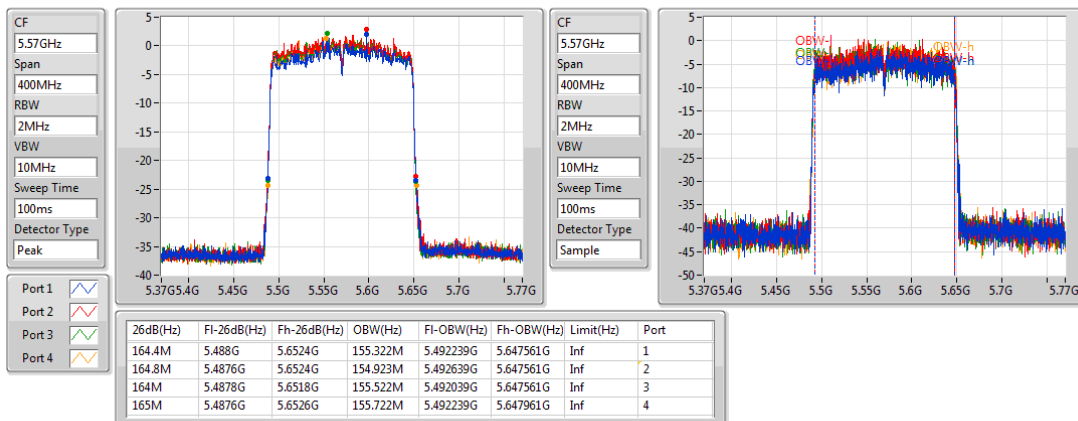


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

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 HEW20_Nss4,(MCS0)_4TX	26.525M	18.991M	19M0D1D	21.375M	18.941M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.3M	37.681M	37M7D1D	40.05M	37.481M
802.11ax HEW80_Nss4,(MCS0)_4TX	82M	76.962M	77M0D1D	81.4M	76.862M
802.11ax HEW160_Nss4,(MCS0)_4TX	82.32M	77.321M	77M3D1D	81.12M	77.161M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	25.55M	18.991M	19M0D1D	15.93M	14.468M
802.11ax HEW40_Nss4,(MCS0)_4TX	45.045M	37.631M	37M6D1D	35.21M	33.653M
802.11ax HEW80_Nss4,(MCS0)_4TX	82M	77.261M	77M3D1D	75.525M	73.088M
802.11ax HEW160_Nss4,(MCS0)_4TX	165.8M	155.322M	155MD1D	163.8M	154.523M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	4.5M	4.598M	4M60D1D	4.4M	4.518M
802.11ax HEW40_Nss4,(MCS0)_4TX	3.88M	16.312M	16M3D1D	3.74M	4.438M
802.11ax HEW80_Nss4,(MCS0)_4TX	3.92M	23.448M	23M4D1D	3.7M	10.935M

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	22.525M	18.966M	22.05M	18.991M	21.775M	18.966M	21.4M	18.941M
5300MHz	Pass	Inf	25.55M	18.966M	23.5M	18.991M	21.85M	18.991M	26.525M	18.941M
5320MHz	Pass	Inf	21.825M	18.941M	21.8M	18.991M	21.85M	18.941M	21.375M	18.991M
5500MHz	Pass	Inf	21.675M	18.966M	21.65M	18.966M	21.85M	18.991M	21.375M	18.941M
5580MHz	Pass	Inf	23.375M	18.966M	24.625M	18.991M	23.025M	18.941M	25.55M	18.991M
5700MHz	Pass	Inf	21.725M	18.966M	21.775M	18.991M	21.825M	18.916M	21.425M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.11M	14.498M	15.93M	14.498M	16.29M	14.468M	16.41M	14.528M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	4.518M	4.48M	4.598M	4.4M	4.578M	4.5M	4.558M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.25M	37.581M	40.2M	37.631M	40.1M	37.481M	40.2M	37.631M
5310MHz	Pass	Inf	40.3M	37.581M	40.05M	37.531M	40.1M	37.531M	40.2M	37.681M
5510MHz	Pass	Inf	40.2M	37.581M	40.25M	37.531M	40.15M	37.531M	40.2M	37.631M
5550MHz	Pass	Inf	40.1M	37.481M	40.05M	37.631M	40.05M	37.581M	40.2M	37.631M
5670MHz	Pass	Inf	40.2M	37.531M	40.3M	37.581M	40.1M	37.531M	40.2M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	44.52M	33.793M	35.21M	33.793M	45.045M	33.723M	39.725M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	16.312M	3.74M	4.438M	3.8M	12.534M	3.86M	12.354M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.4M	76.862M	81.7M	76.962M	81.8M	76.962M	82M	76.862M
5530MHz	Pass	Inf	81.5M	76.962M	81.6M	77.061M	81.7M	77.161M	82M	77.261M
5610MHz	Pass	Inf	81.3M	76.962M	81.5M	77.061M	81.7M	76.962M	81.9M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.525M	73.238M	75.9M	73.238M	76.05M	73.238M	75.675M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	23.448M	3.76M	14.453M	3.92M	16.252M	3.74M	10.935M
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
5570MHz	Pass	Inf	165.8M	155.322M	163.8M	155.122M	164.6M	155.122M	164.8M	154.523M

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

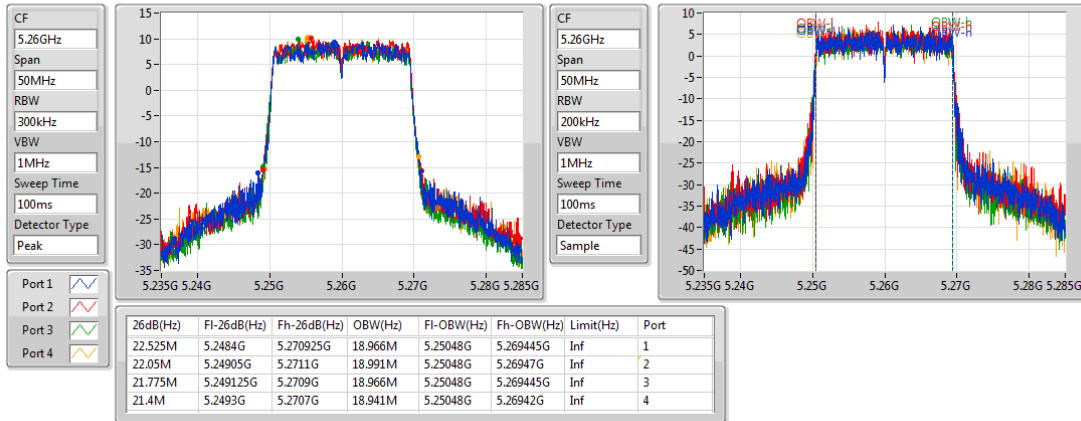
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5260MHz

07/03/2019

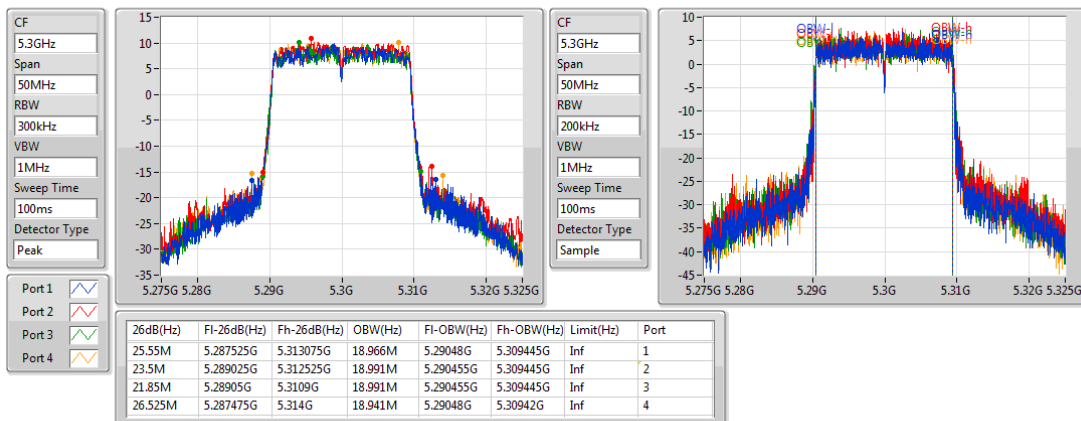


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5300MHz

07/03/2019

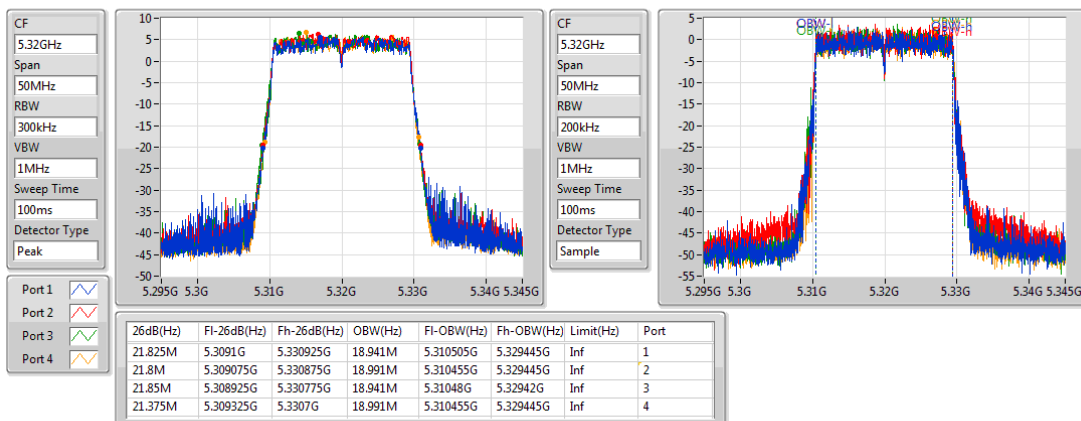


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5320MHz

07/03/2019

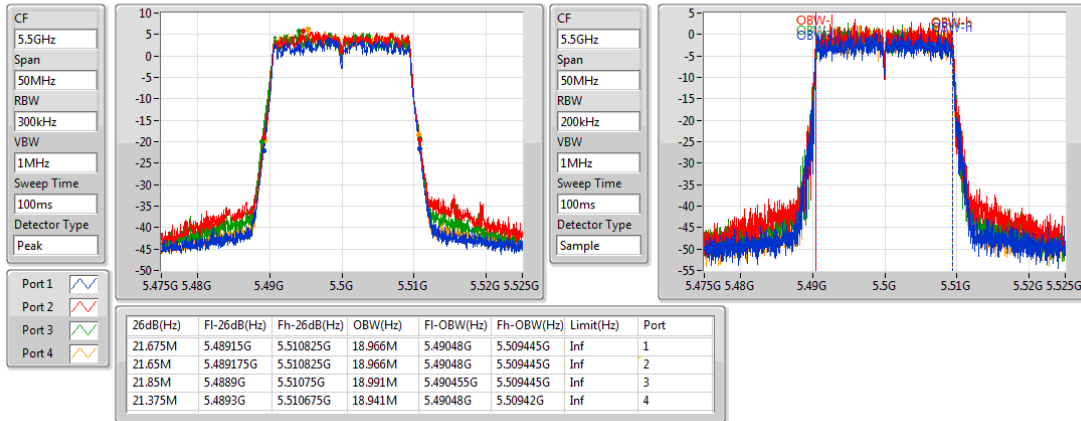


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5500MHz

07/03/2019

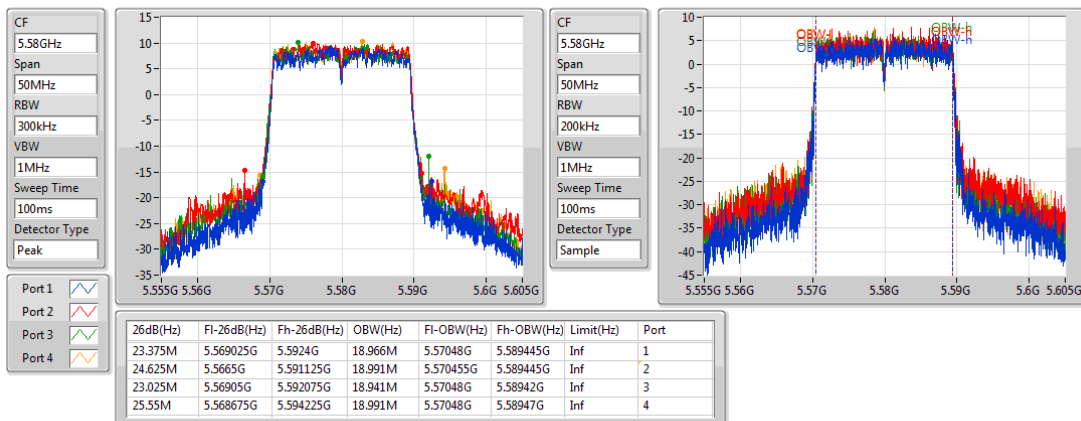


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5580MHz

07/03/2019

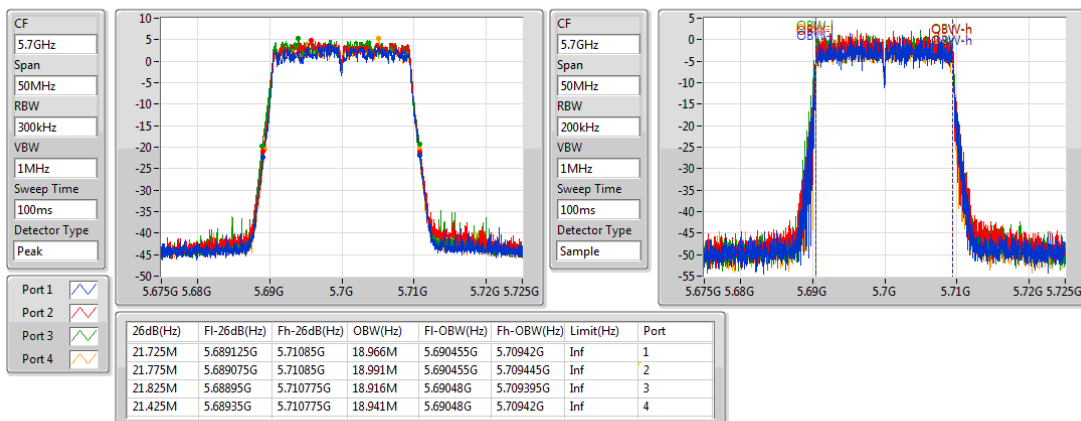


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5700MHz

07/03/2019

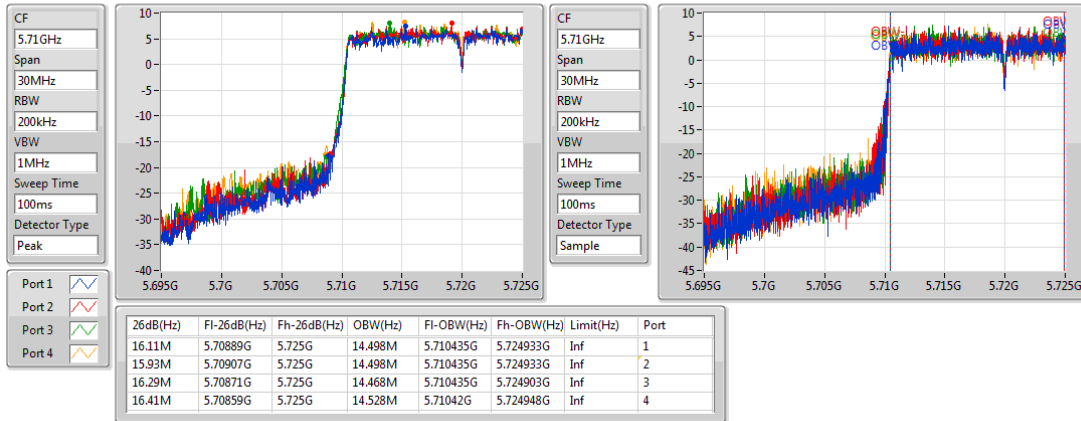


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/03/2019

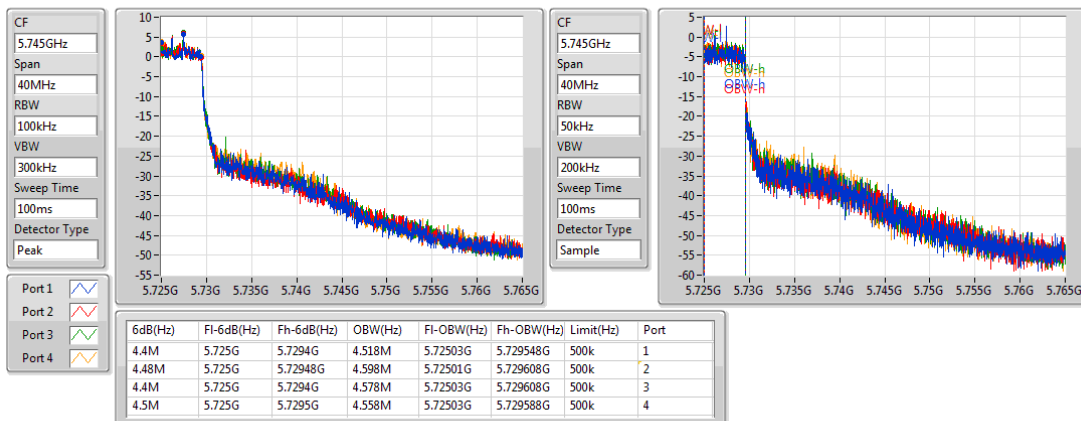


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/03/2019

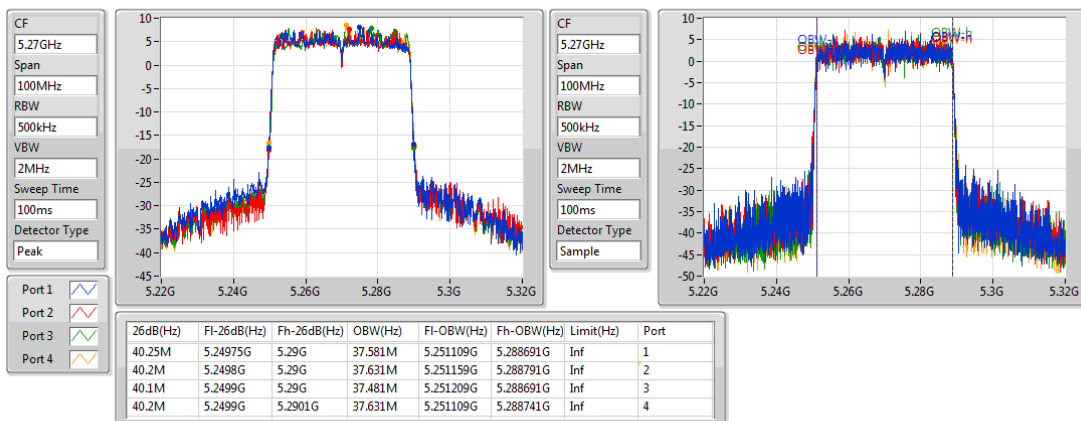


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5270MHz

07/03/2019

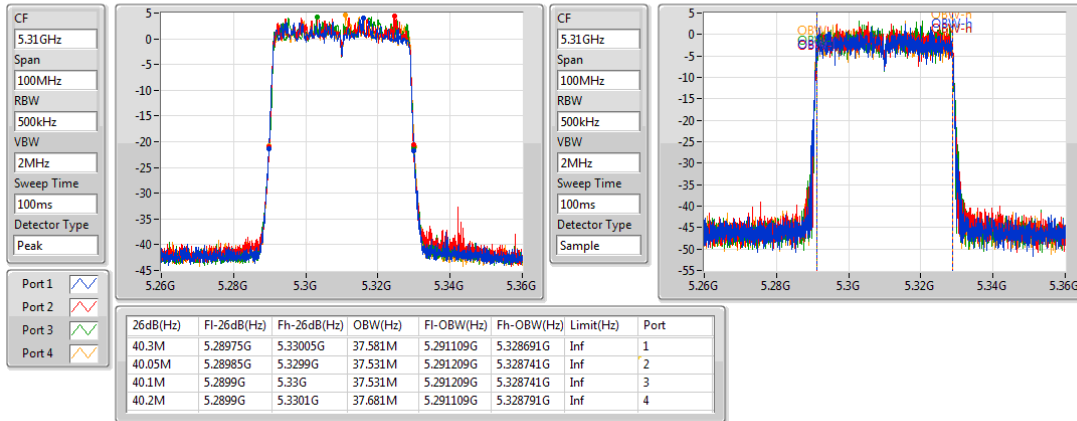


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5310MHz

07/03/2019

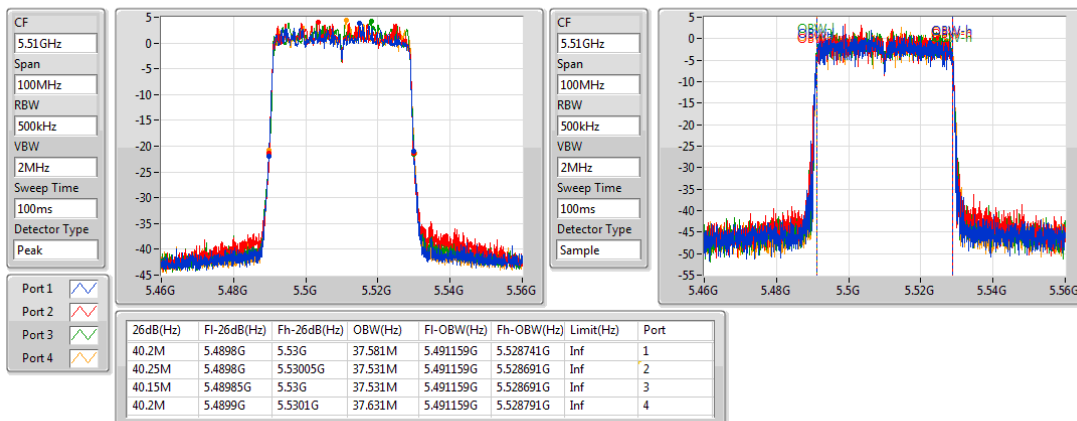


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

07/03/2019

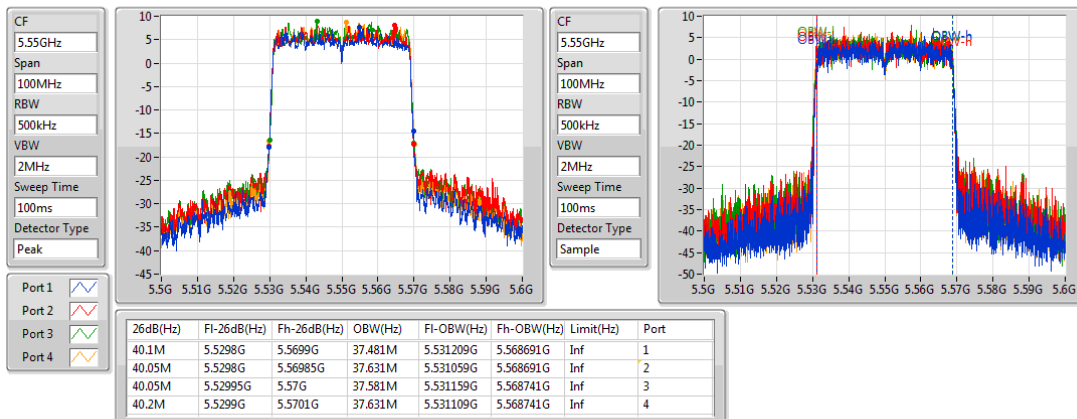


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5550MHz

07/03/2019

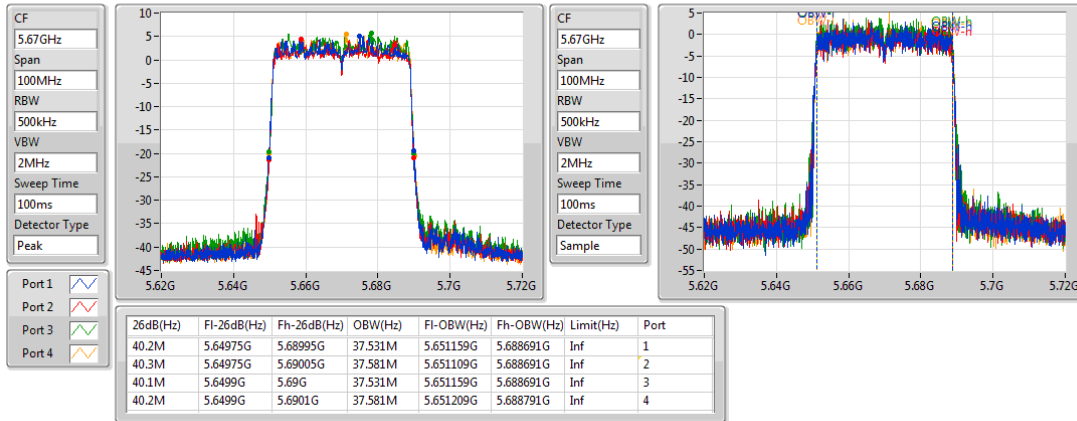


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5670MHz

07/03/2019

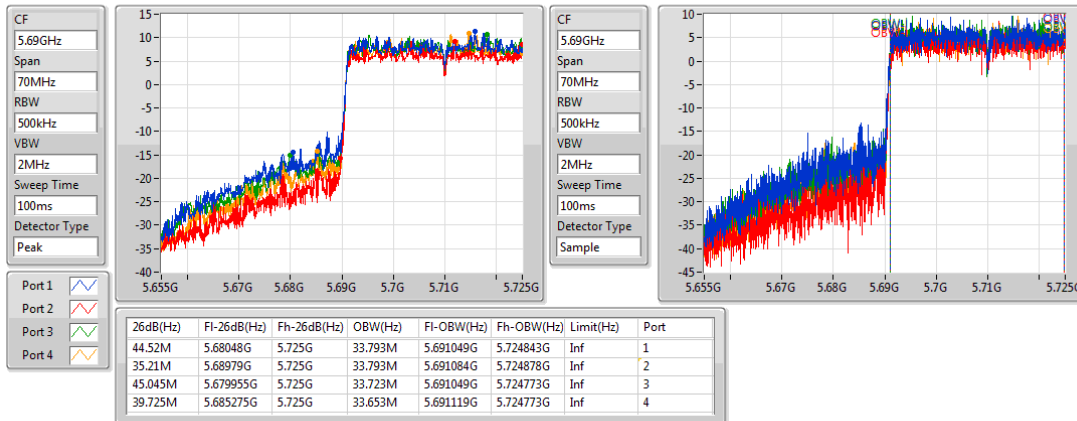


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/03/2019

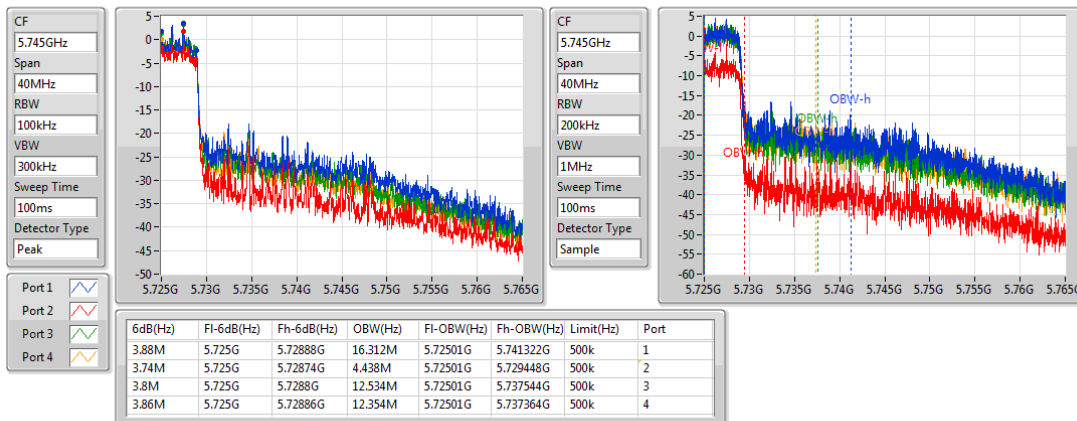


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/03/2019

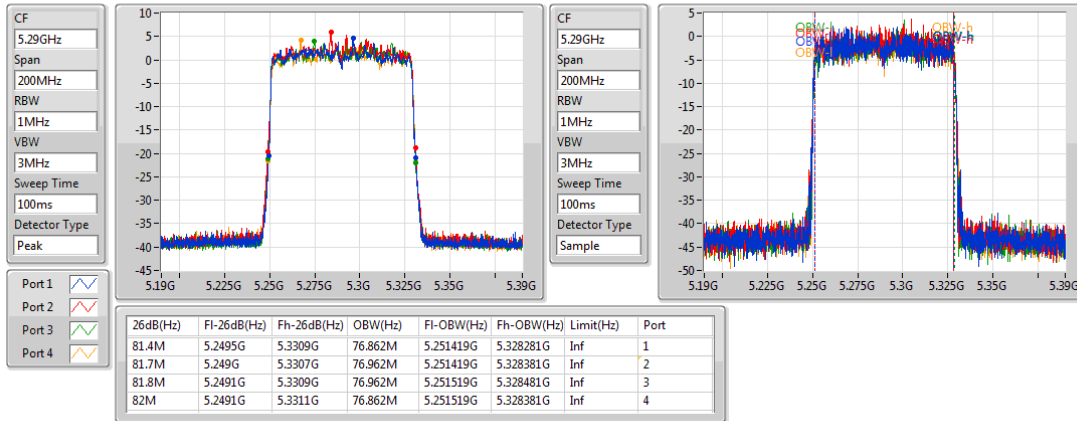


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5290MHz

07/03/2019

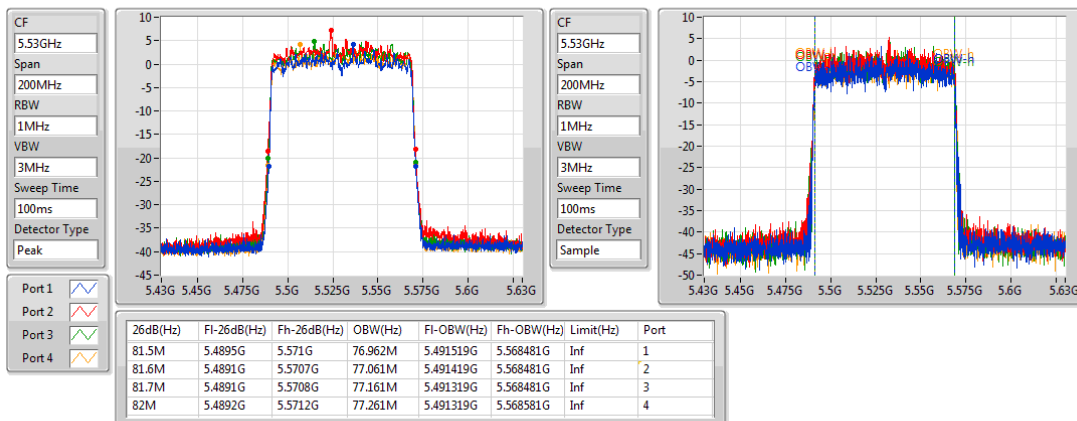


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5530MHz

07/03/2019

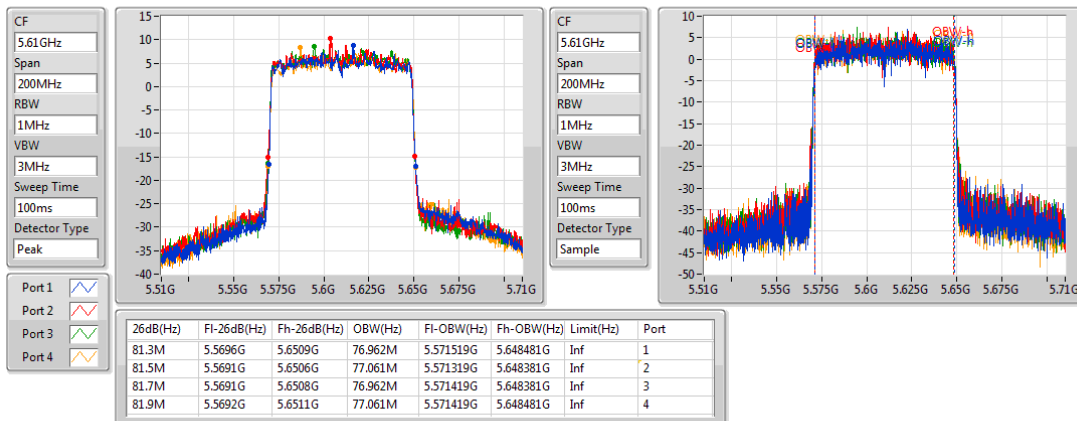


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

07/03/2019

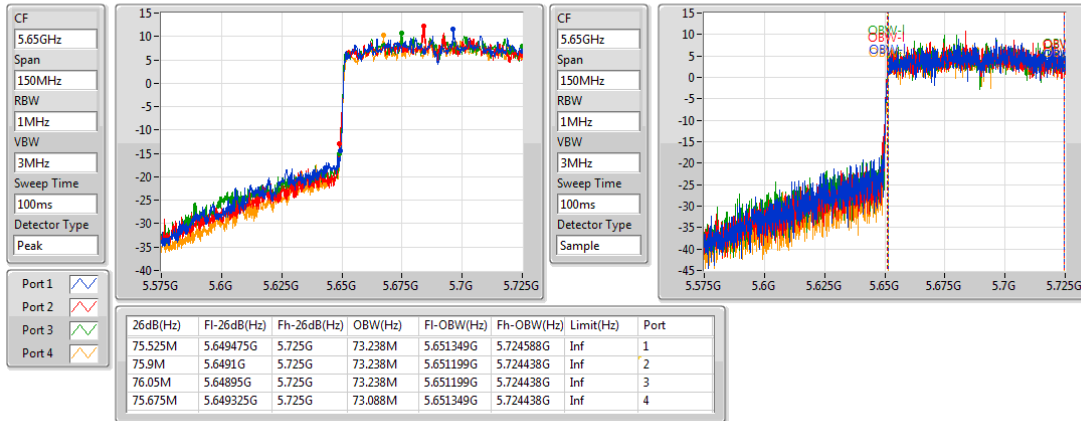


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/03/2019

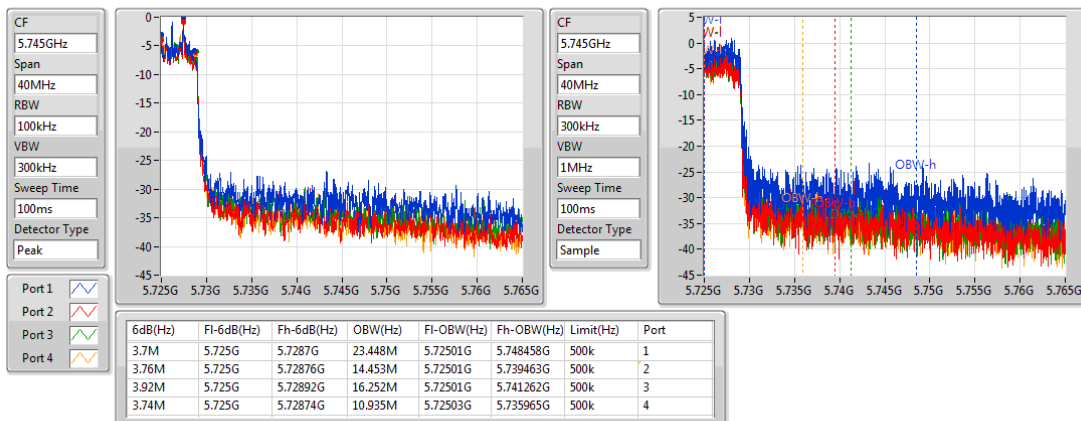


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/03/2019

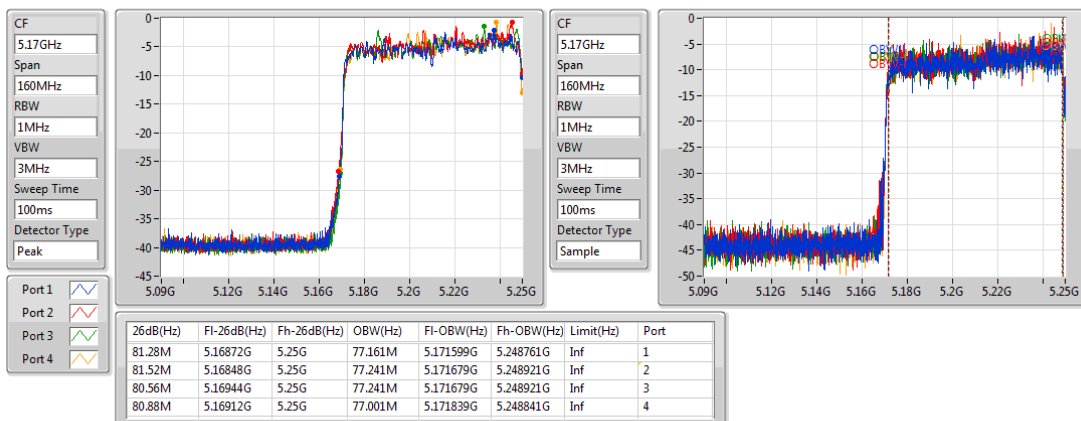


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

07/03/2019

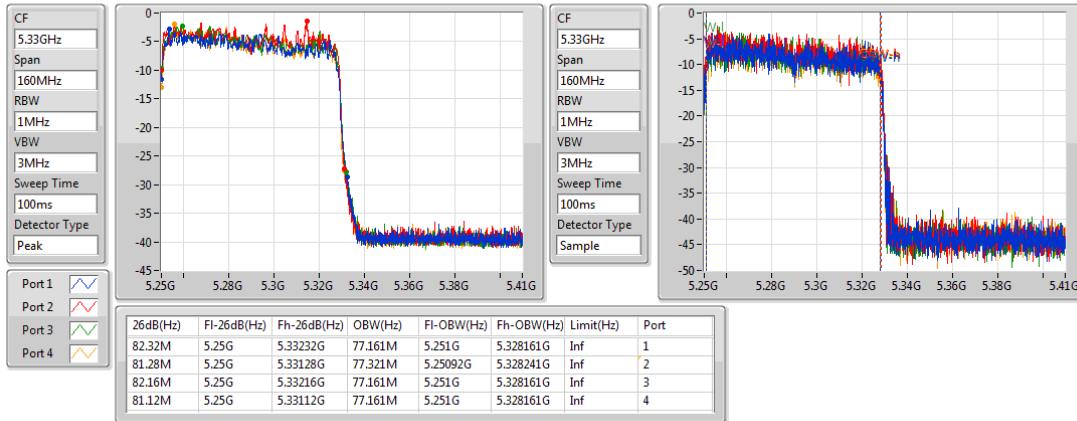


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

07/03/2019

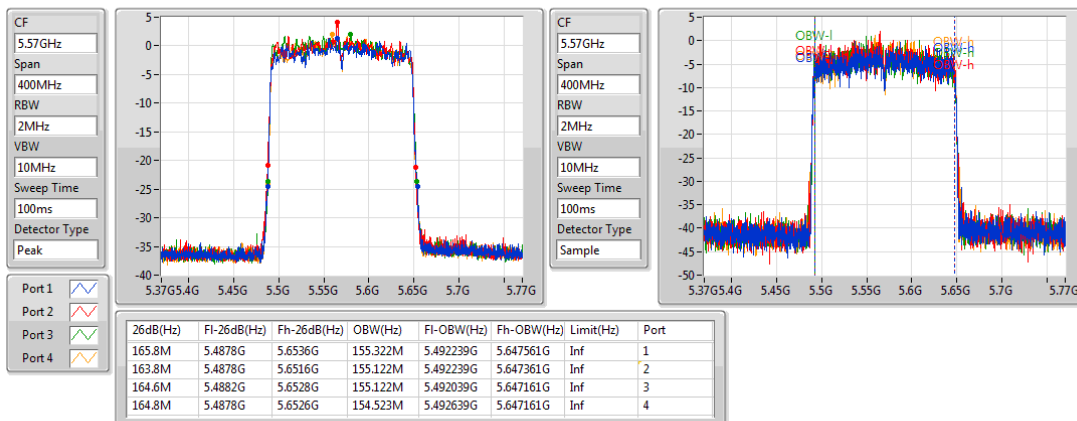


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

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	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	27.325M	16.692M	16M7D1D	27M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	36.525M	19.015M	19M0D1D	26.175M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	44.4M	37.631M	37M6D1D	39.9M	37.581M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.7M	76.862M	76M9D1D	81.7M	76.862M
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.081M	77M1D1D	81.12M	77.081M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	43.4M	18.441M	18M4D1D	21.3M	14.543M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.4M	19.515M	19M5D1D	21.725M	14.603M
802.11ax HEW40_Nss1,(MCS0)_1TX	58.3M	37.731M	37M7D1D	39.95M	34.248M
802.11ax HEW80_Nss1,(MCS0)_1TX	95.5M	77.161M	77M2D1D	81.6M	73.388M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.4M	155.122M	155MD1D	164.4M	155.122M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.12M	10.475M	10M5D1D	3.12M	10.475M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.48M	11.014M	11M0D1D	4.48M	11.014M
802.11ax HEW40_Nss1,(MCS0)_1TX	3.98M	25.487M	25M5D1D	3.98M	25.487M
802.11ax HEW80_Nss1,(MCS0)_1TX	3.78M	33.523M	33M5D1D	3.78M	33.523M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	27M	16.692M
5300MHz	Pass	Inf	27.325M	16.642M
5320MHz	Pass	Inf	27.1M	16.567M
5500MHz	Pass	Inf	21.525M	16.567M
5580MHz	Pass	Inf	43.4M	18.441M
5700MHz	Pass	Inf	21.3M	16.542M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	24.915M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	10.475M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	28.025M	18.966M
5300MHz	Pass	Inf	36.525M	19.015M
5320MHz	Pass	Inf	26.175M	18.966M
5500MHz	Pass	Inf	21.825M	18.941M
5580MHz	Pass	Inf	41.4M	19.515M
5700MHz	Pass	Inf	21.725M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	25.59M	14.603M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	11.014M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	44.4M	37.631M
5310MHz	Pass	Inf	39.9M	37.581M
5510MHz	Pass	Inf	39.95M	37.681M
5550MHz	Pass	Inf	58.3M	37.731M
5670MHz	Pass	Inf	40M	37.631M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	54.32M	34.248M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	25.487M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	81.7M	76.862M
5530MHz	Pass	Inf	81.6M	76.962M
5610MHz	Pass	Inf	95.5M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	91.875M	73.388M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	33.523M
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
5570MHz	Pass	Inf	164.4M	155.122M

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

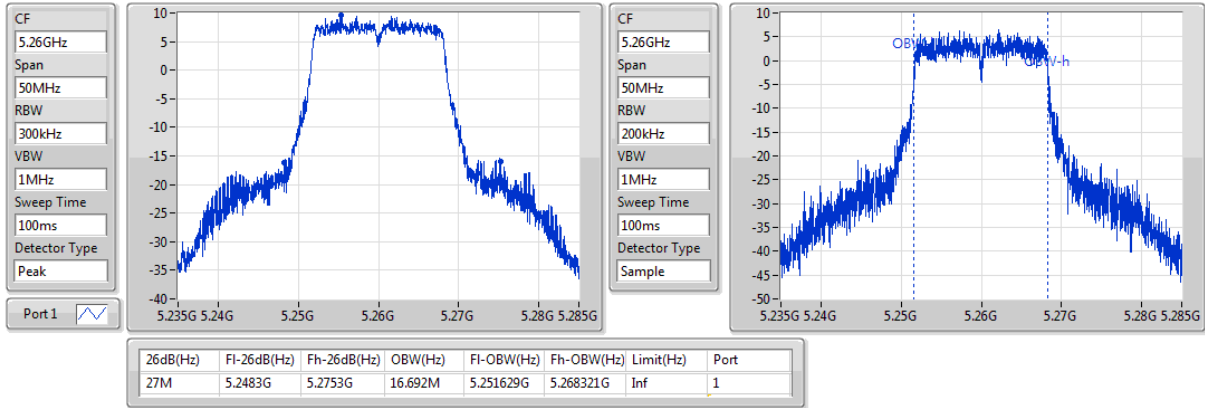
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

05/03/2019

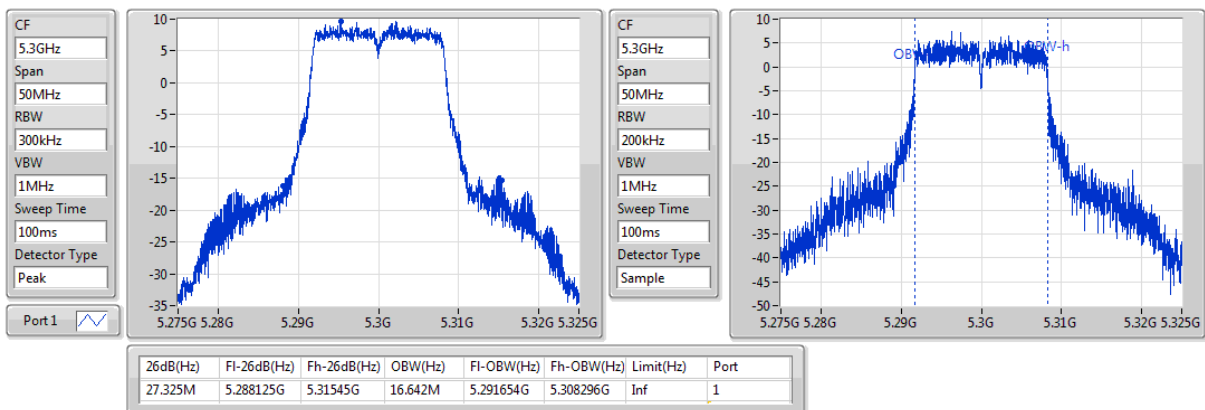


802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

05/03/2019

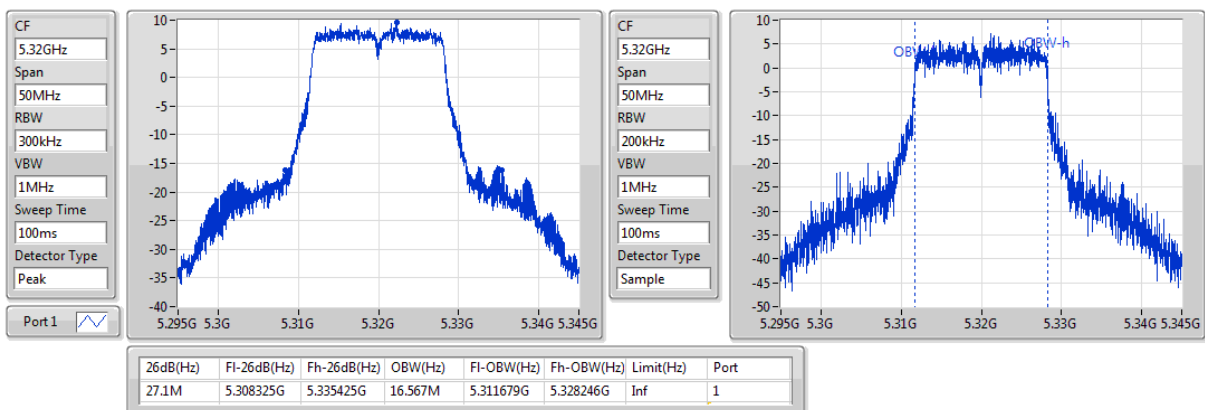


802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

05/03/2019

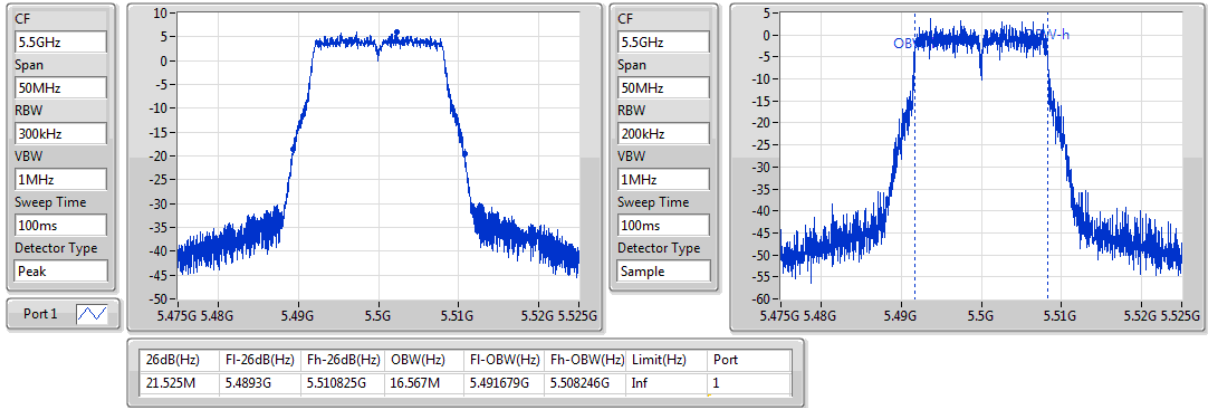


802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

05/03/2019

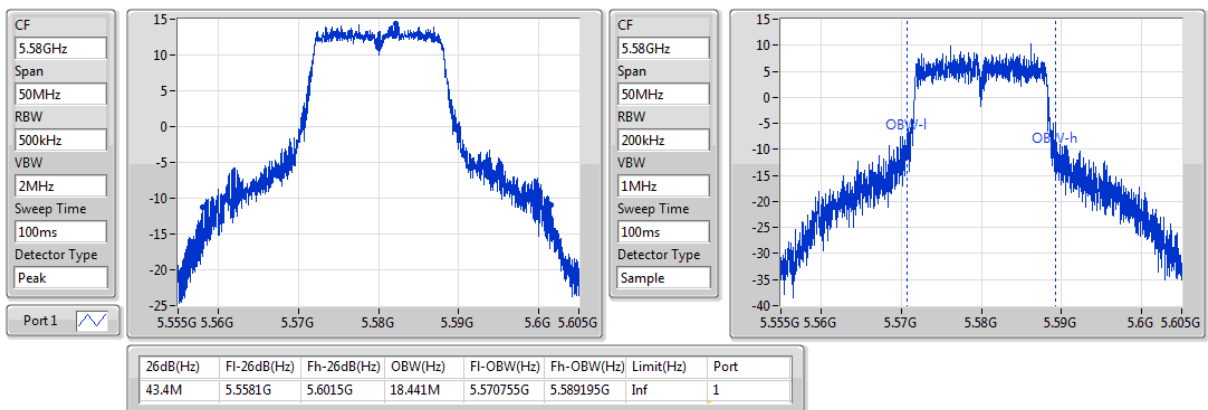


802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

05/03/2019

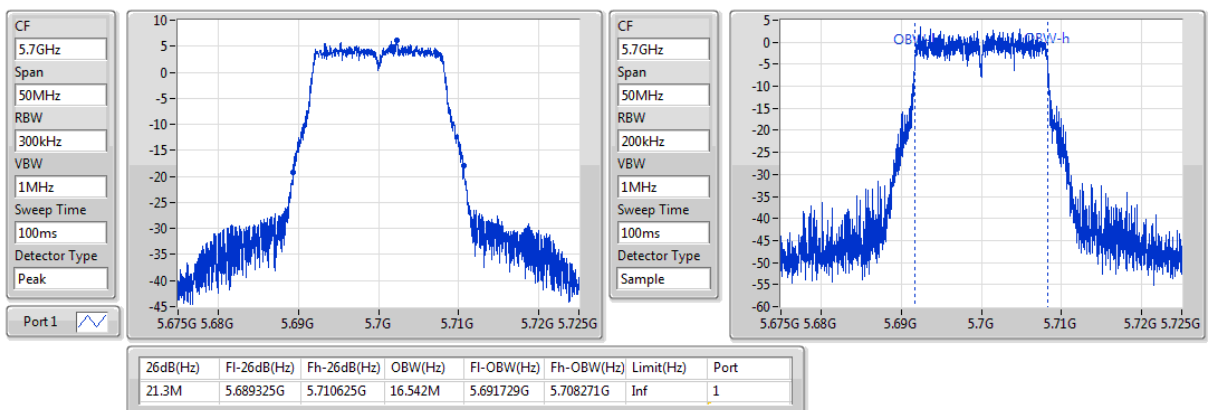


802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

05/03/2019

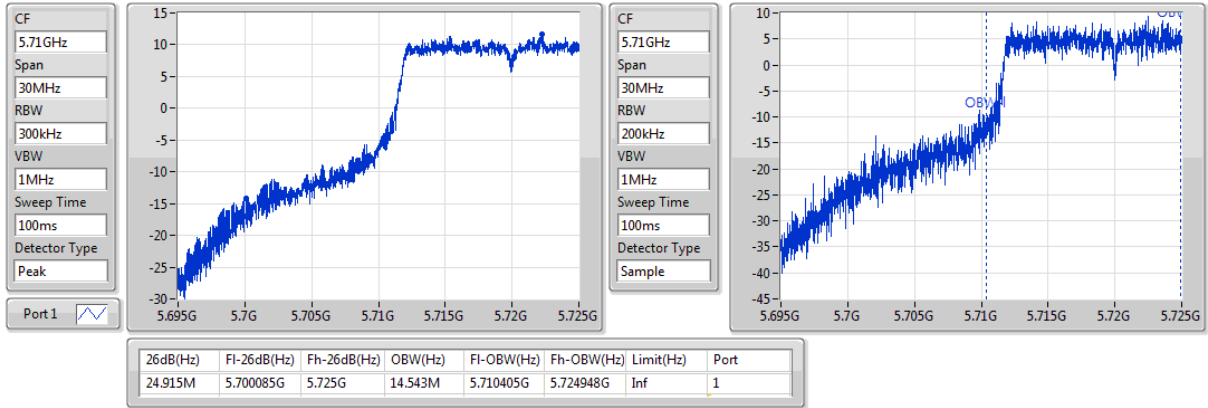


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

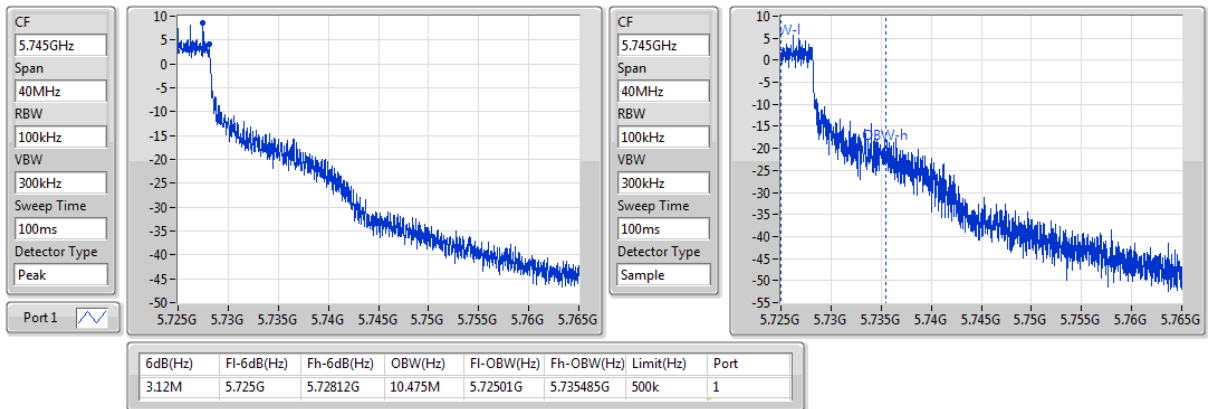


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

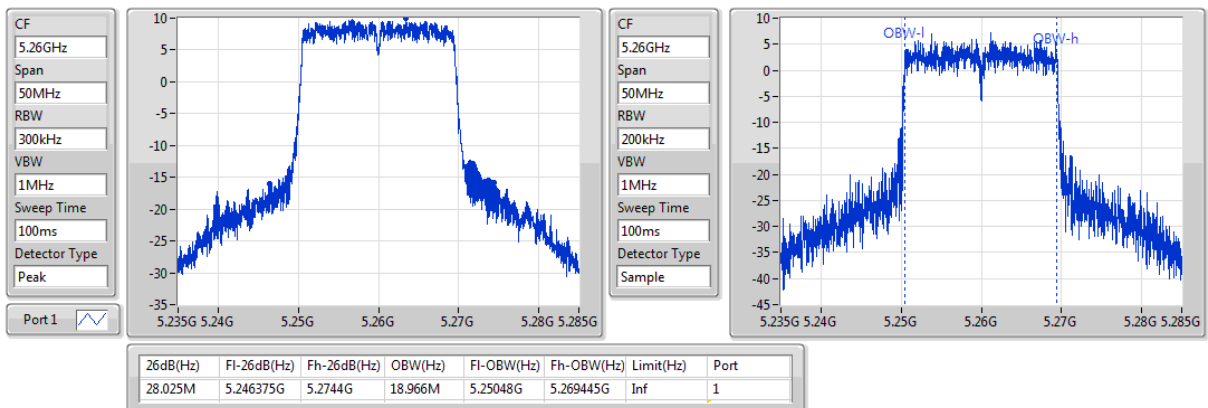


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

05/03/2019

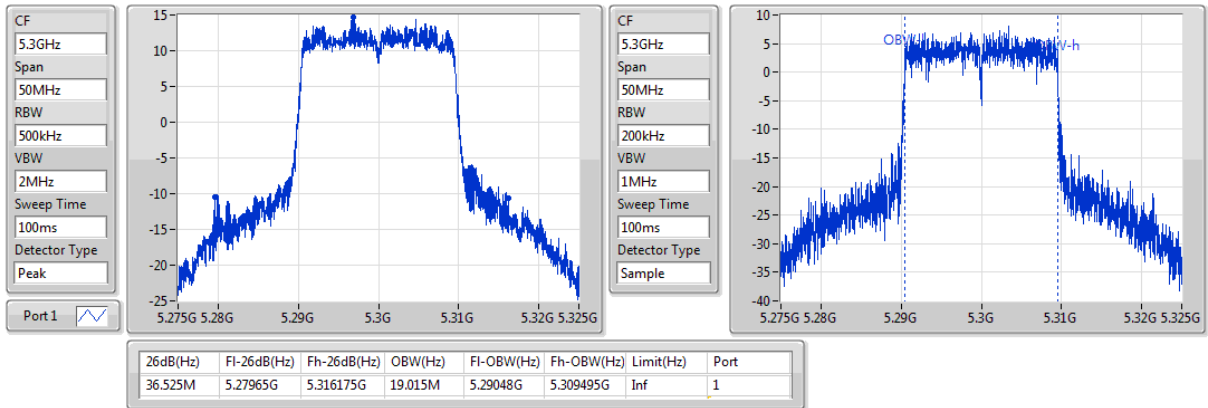


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

05/03/2019

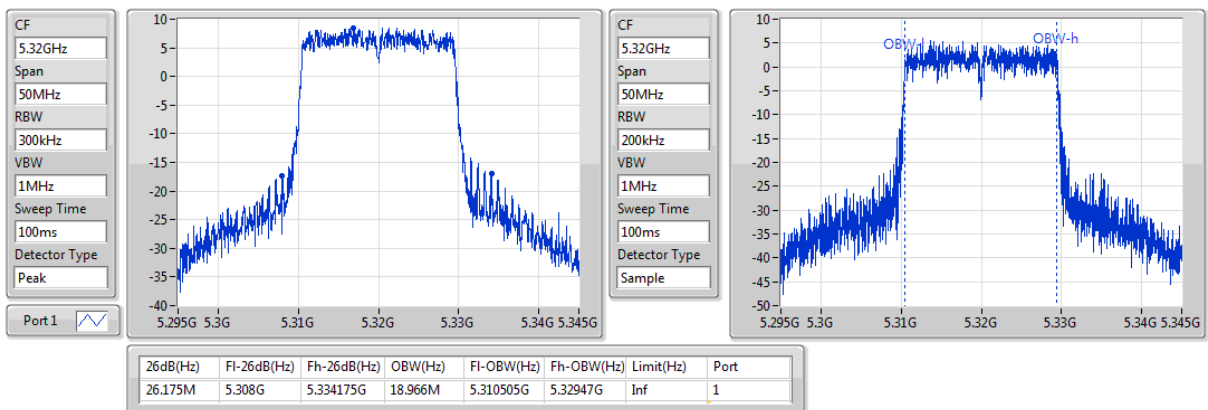


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

05/03/2019

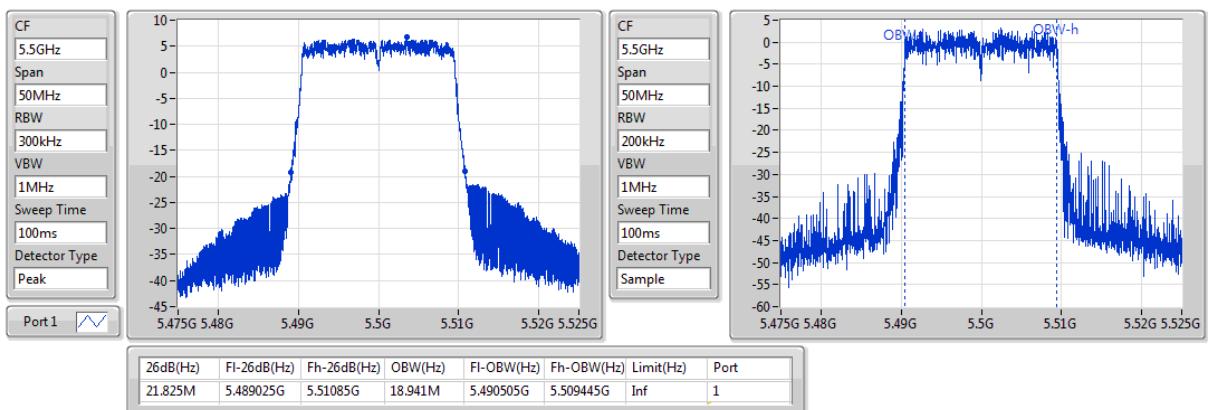


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

05/03/2019

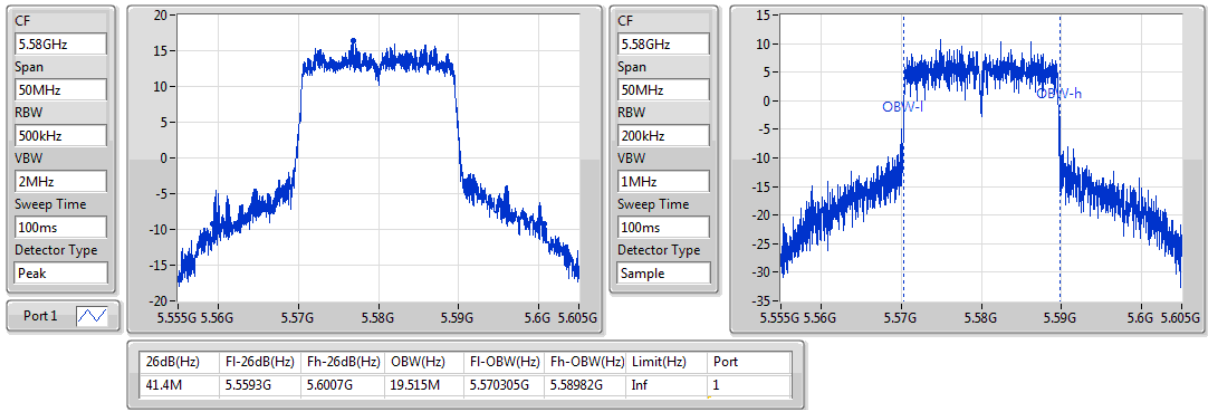


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

05/03/2019

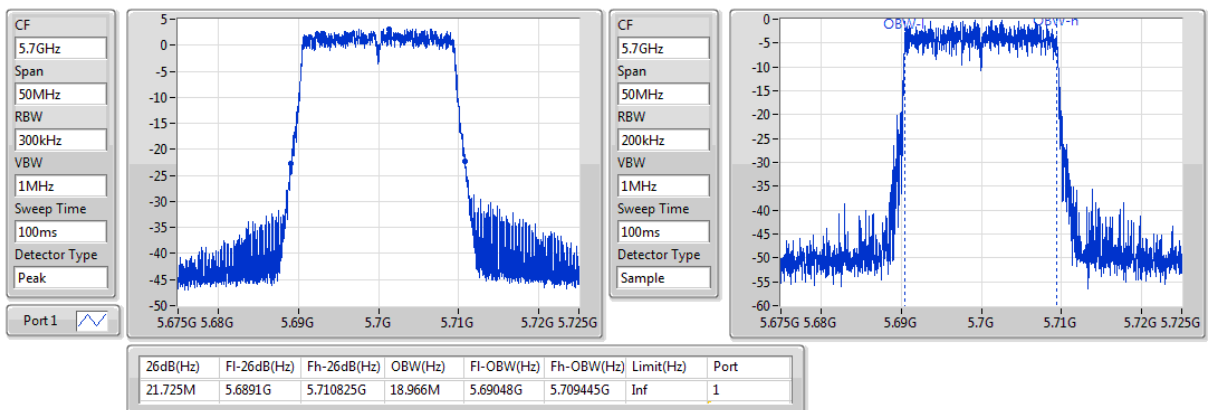


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

05/03/2019

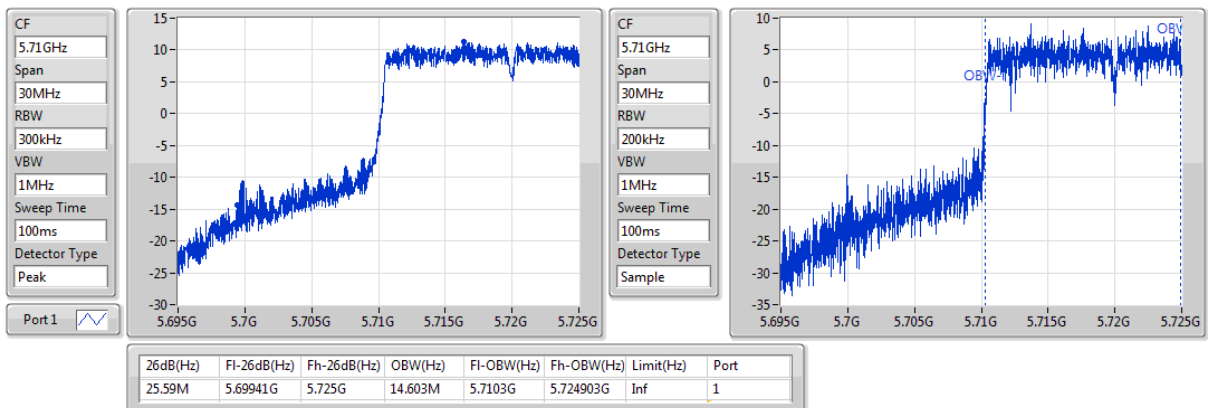


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

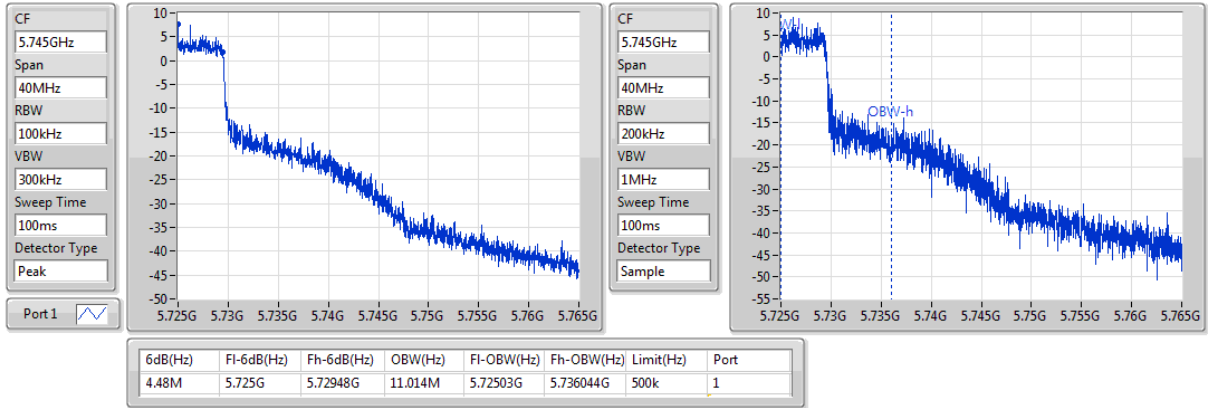


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

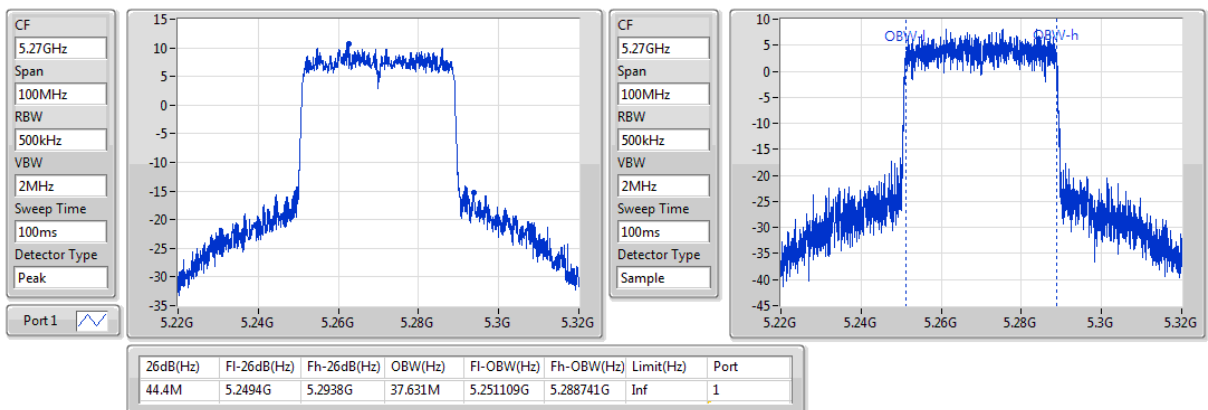


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5270MHz

05/03/2019

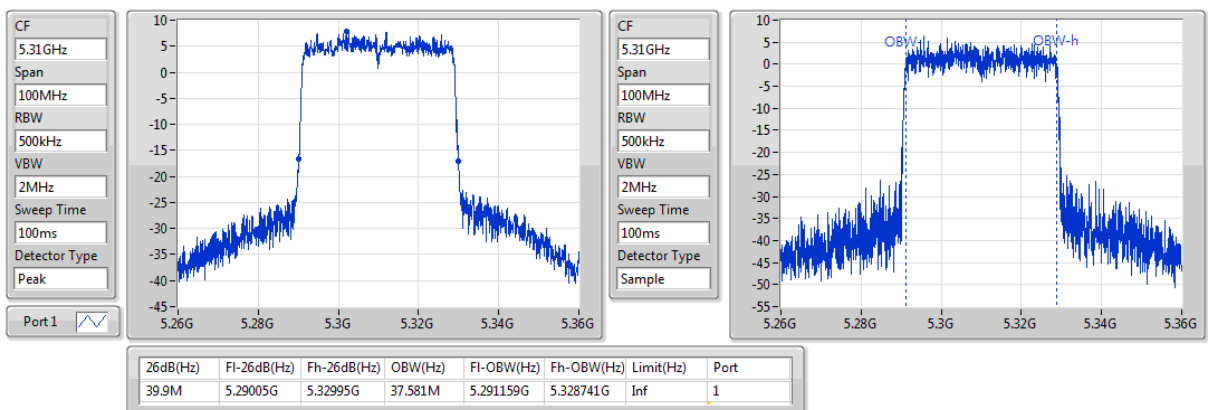


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5310MHz

05/03/2019

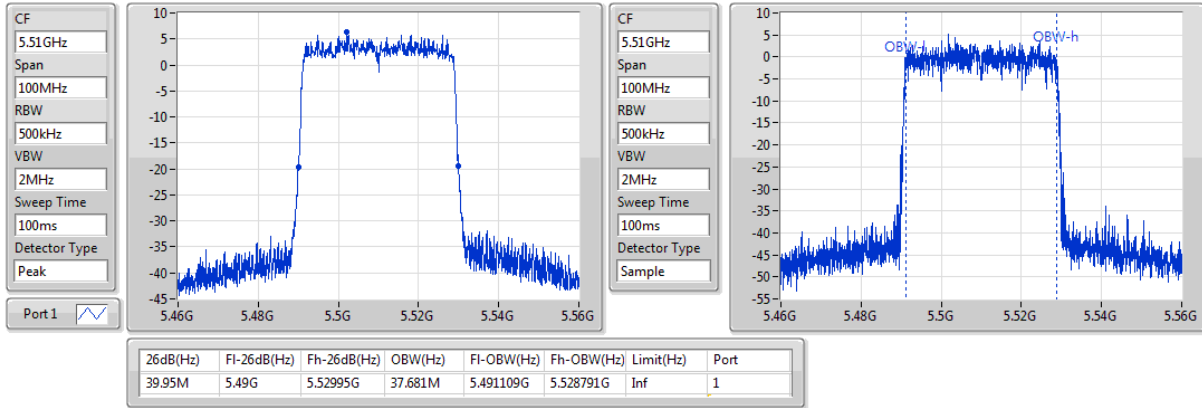


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

05/03/2019

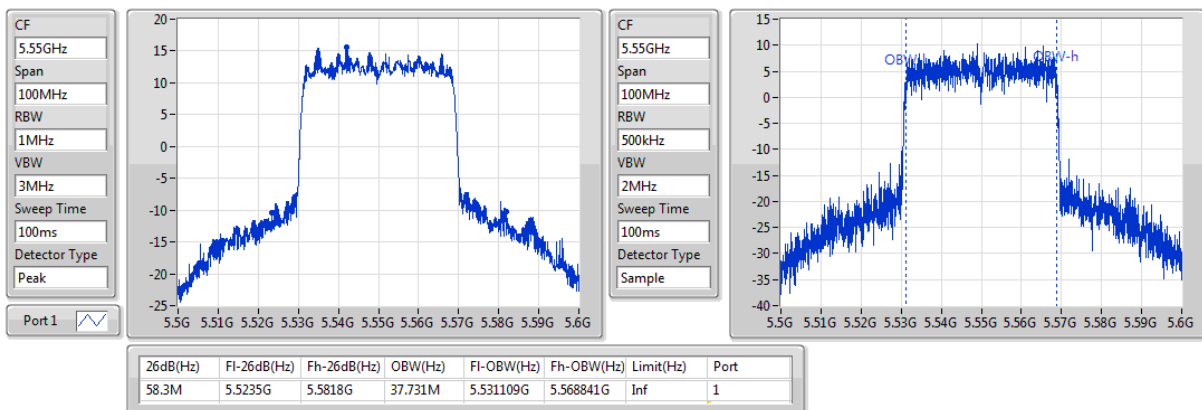


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

05/03/2019

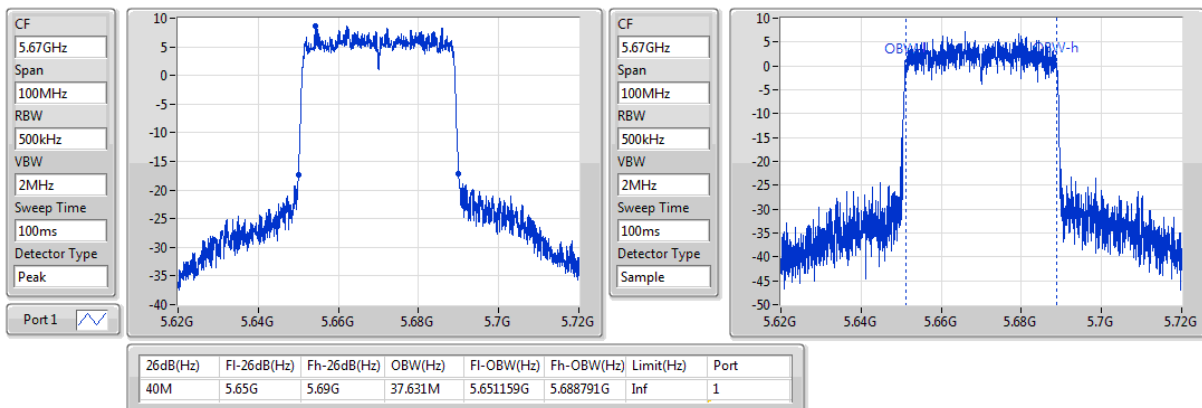


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

05/03/2019

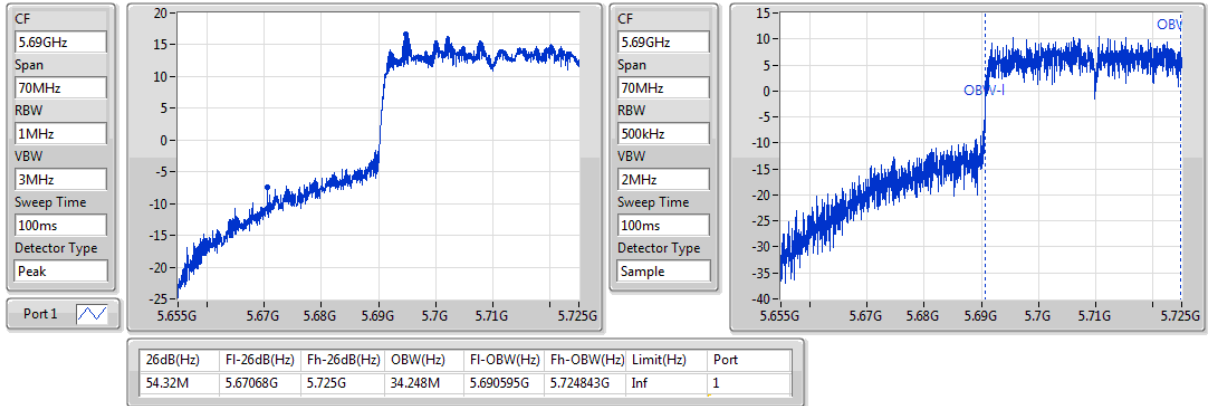


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/03/2019

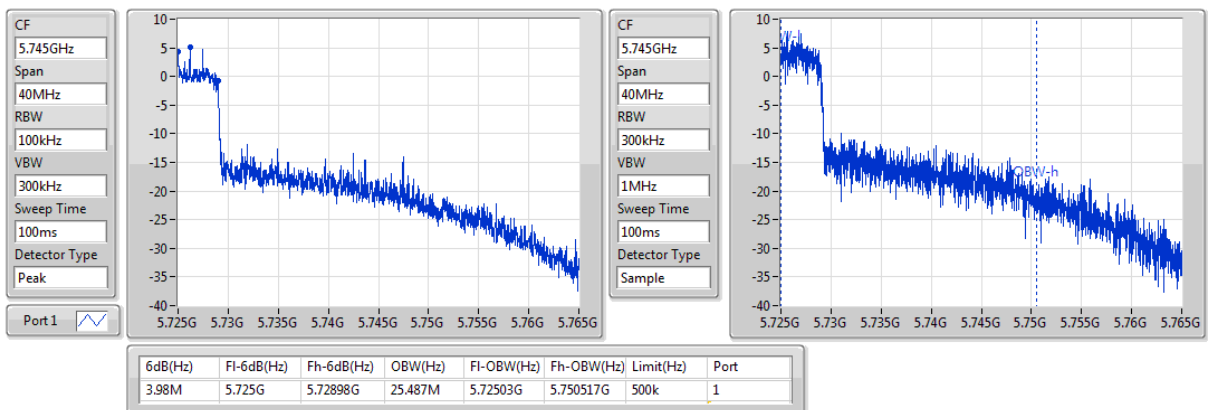


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/03/2019

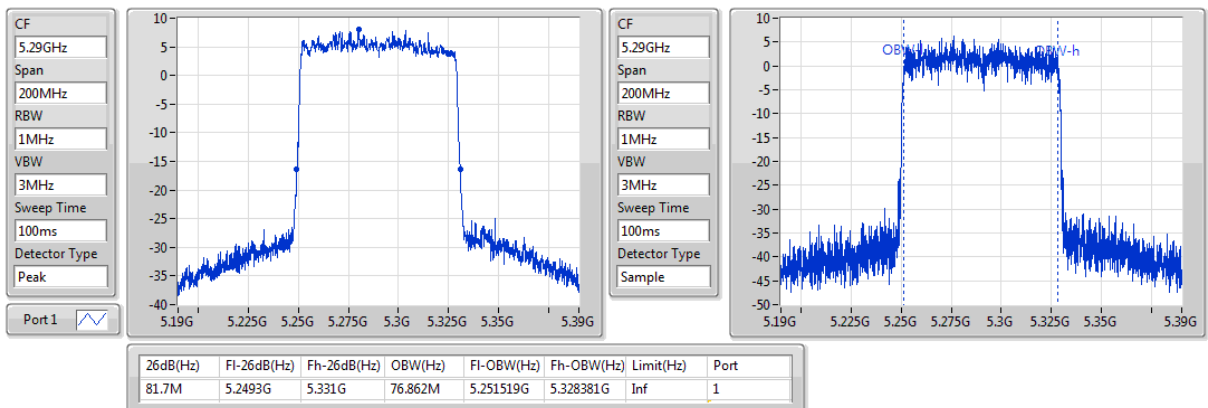


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

05/03/2019

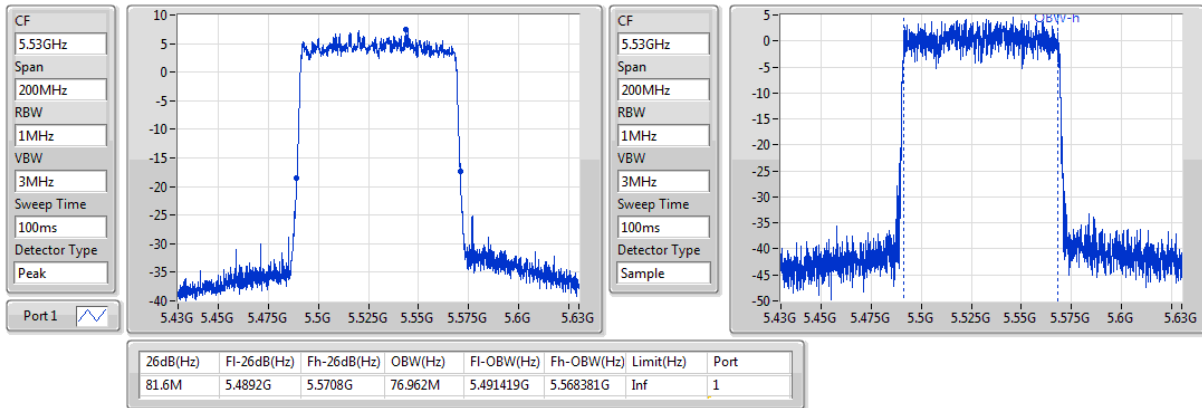


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

05/03/2019

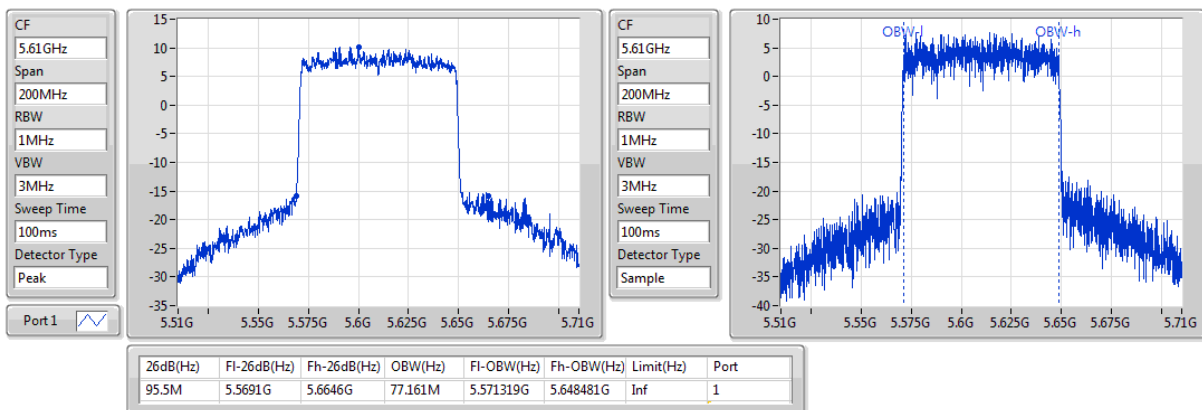


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

05/03/2019

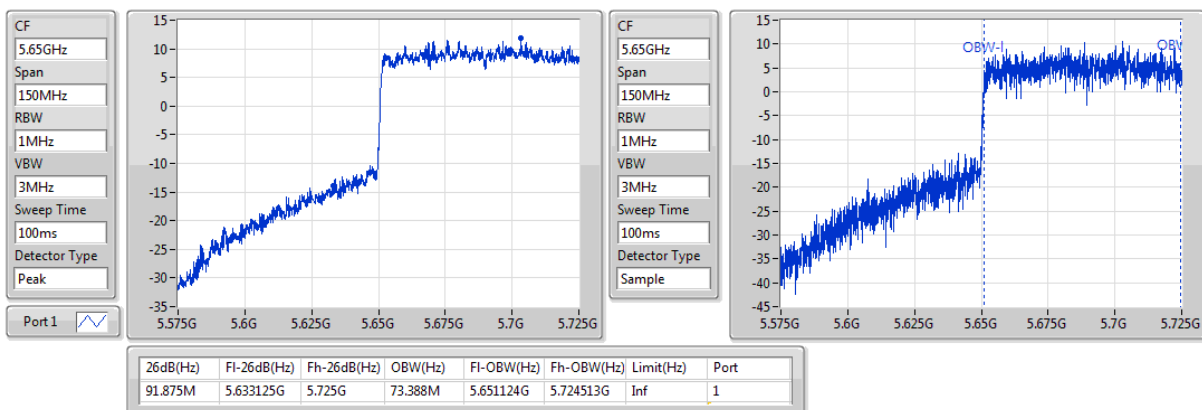


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

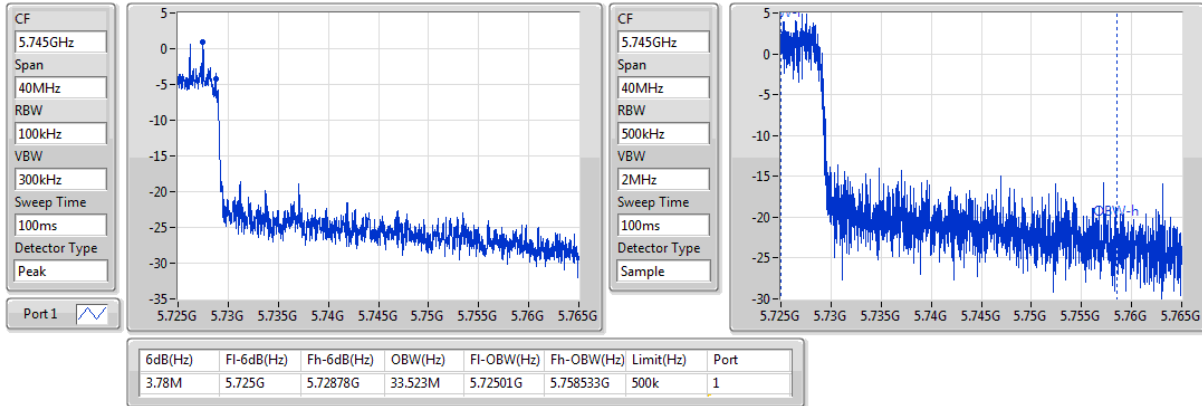


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

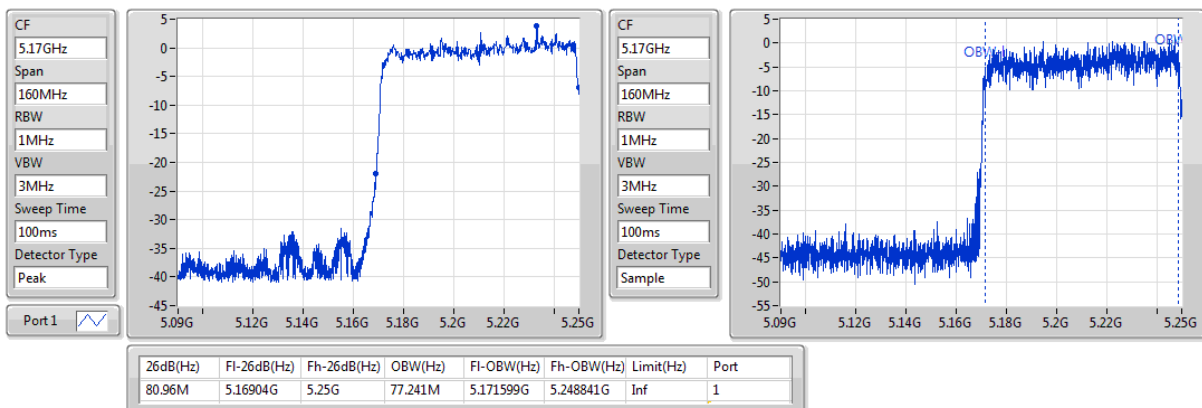


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/03/2019

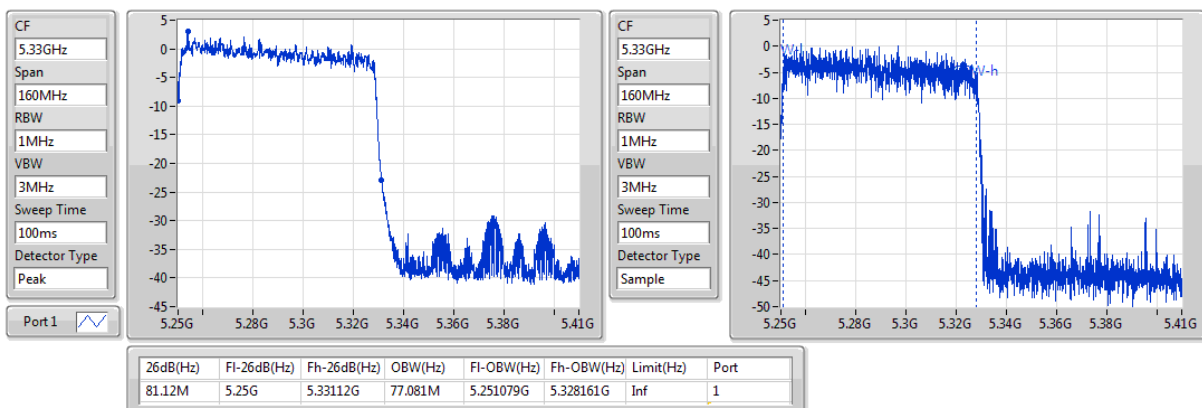


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/03/2019

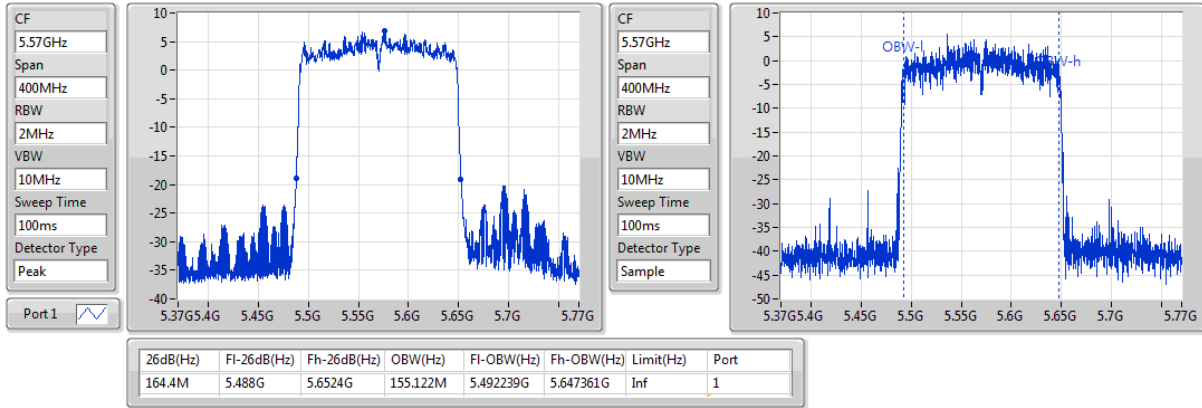


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5570MHz

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 HEW20_Nss2,(MCS0)_2TX	24.025M	18.991M	19M0D1D	21.375M	18.891M
802.11ax HEW40_Nss2,(MCS0)_2TX	40.1M	37.781M	37M8D1D	39.95M	37.531M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.6M	77.161M	77M2D1D	81.1M	76.762M
802.11ax HEW160_Nss2,(MCS0)_2TX	81.12M	77.081M	77M1D1D	80.72M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	26.175M	18.991M	19M0D1D	20.46M	14.543M
802.11ax HEW40_Nss2,(MCS0)_2TX	45.78M	37.631M	37M6D1D	36.365M	33.723M
802.11ax HEW80_Nss2,(MCS0)_2TX	92.625M	76.962M	77M0D1D	78.825M	73.163M
802.11ax HEW160_Nss2,(MCS0)_2TX	165.4M	155.522M	156MD1D	165M	155.322M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	4.44M	7.896M	7M90D1D	4.42M	7.836M
802.11ax HEW40_Nss2,(MCS0)_2TX	3.88M	20.67M	20M7D1D	3.74M	12.094M
802.11ax HEW80_Nss2,(MCS0)_2TX	3.78M	28.106M	28M1D1D	3.72M	22.829M

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;



EBW Result_Radio 2

Appendix A.42

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 HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	22.025M	18.941M	24.025M	18.966M
5300MHz	Pass	Inf	22.1M	18.991M	23.925M	18.966M
5320MHz	Pass	Inf	21.8M	18.966M	21.375M	18.891M
5500MHz	Pass	Inf	22.05M	18.941M	21.675M	18.966M
5580MHz	Pass	Inf	21.9M	18.991M	26.175M	18.991M
5700MHz	Pass	Inf	21.7M	18.941M	21.6M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.53M	14.573M	20.46M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.42M	7.836M	4.44M	7.896M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.1M	37.781M	40M	37.581M
5310MHz	Pass	Inf	39.95M	37.531M	40.05M	37.531M
5510MHz	Pass	Inf	39.9M	37.481M	40M	37.581M
5550MHz	Pass	Inf	40M	37.631M	40.1M	37.581M
5670MHz	Pass	Inf	39.95M	37.531M	40.1M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	45.78M	33.863M	36.365M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	20.67M	3.74M	12.094M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	77.161M	81.1M	76.762M
5530MHz	Pass	Inf	81.5M	76.862M	81.6M	76.962M
5610MHz	Pass	Inf	81.6M	76.962M	81.1M	76.962M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	78.825M	73.163M	92.625M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	28.106M	3.72M	22.829M
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
5570MHz	Pass	Inf	165.4M	155.322M	165M	155.522M

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

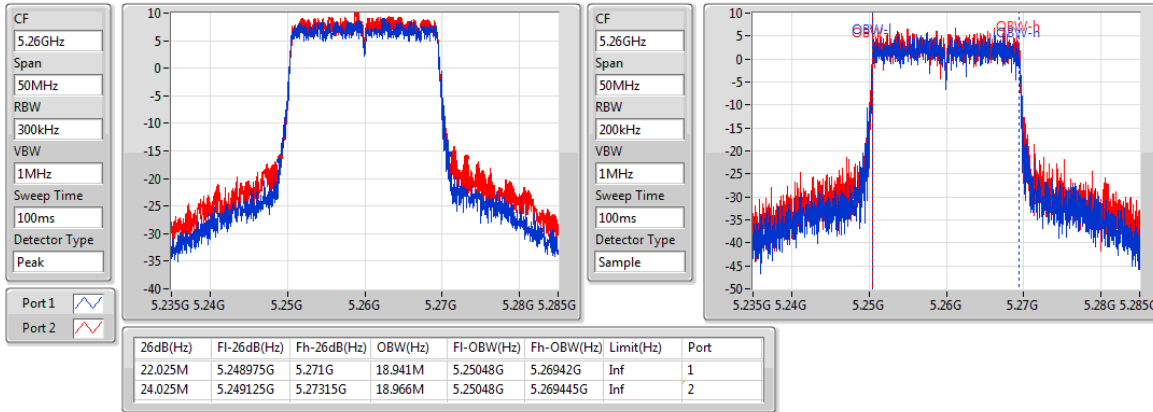
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

05/03/2019

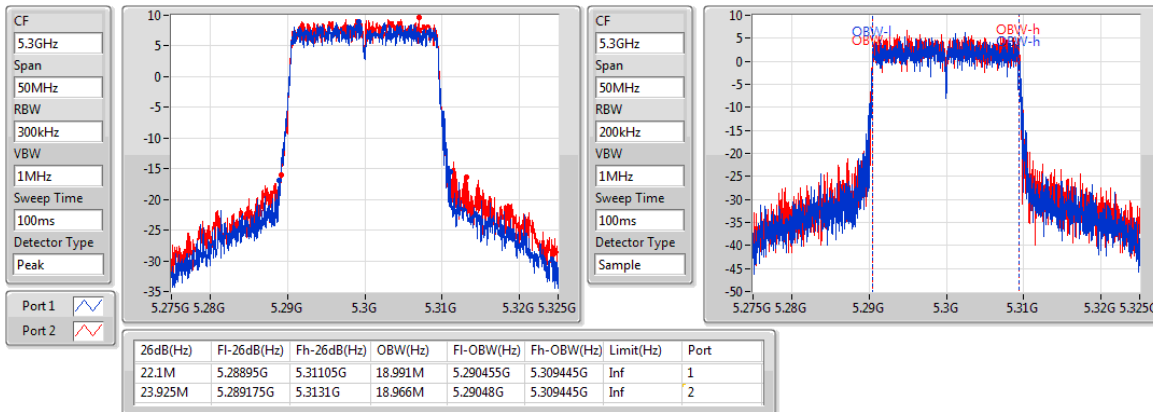


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5300MHz

05/03/2019

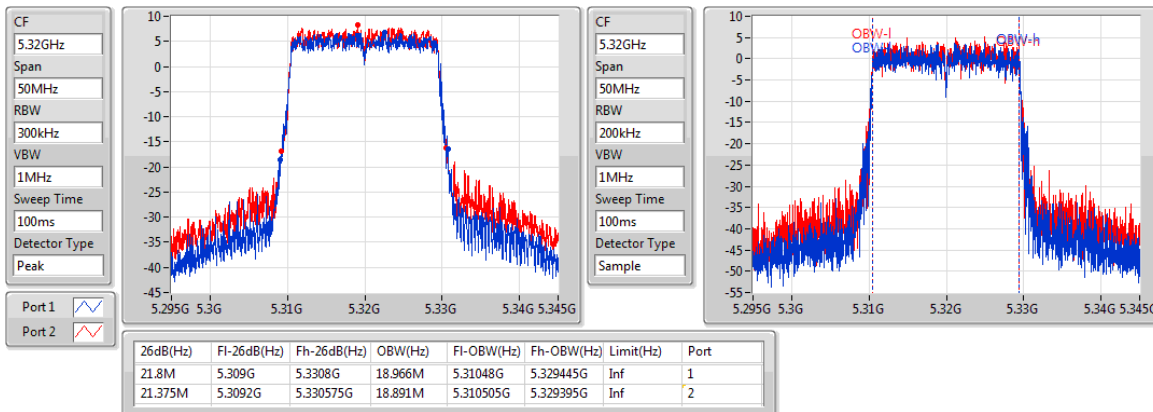


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5320MHz

05/03/2019

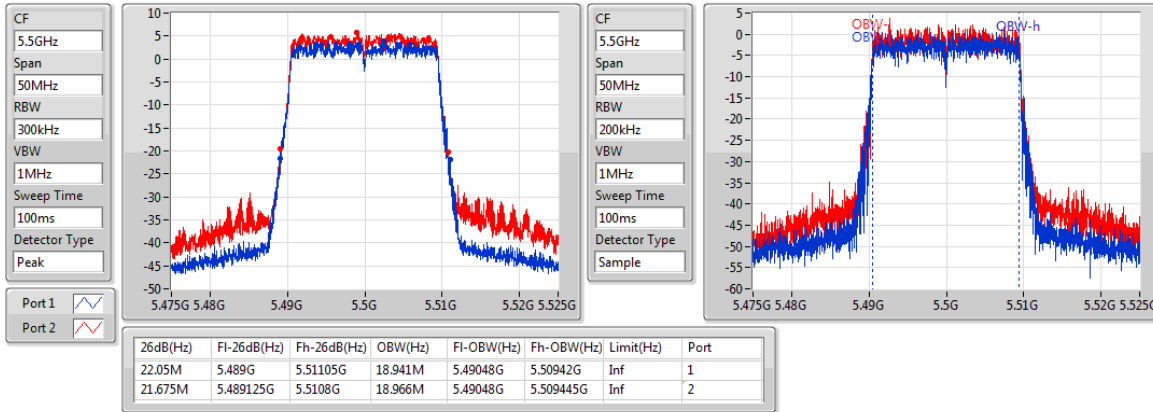


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5500MHz

05/03/2019

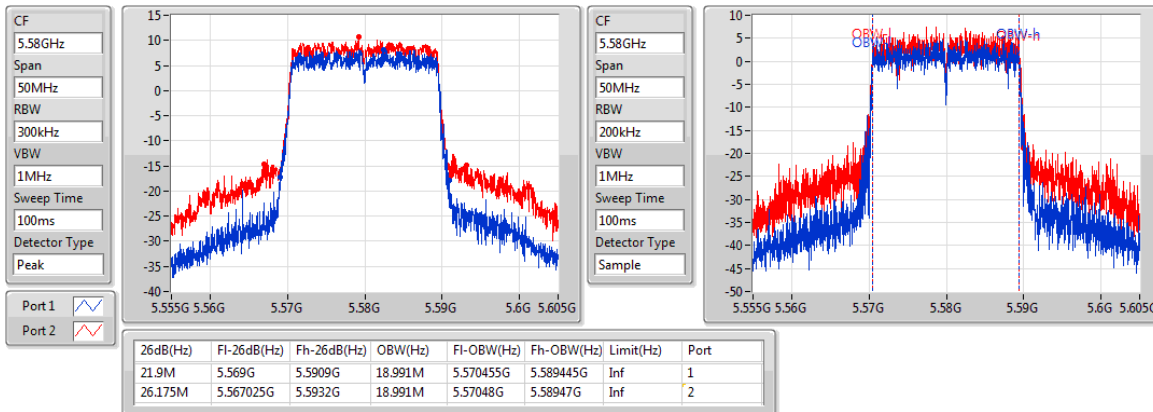


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

05/03/2019

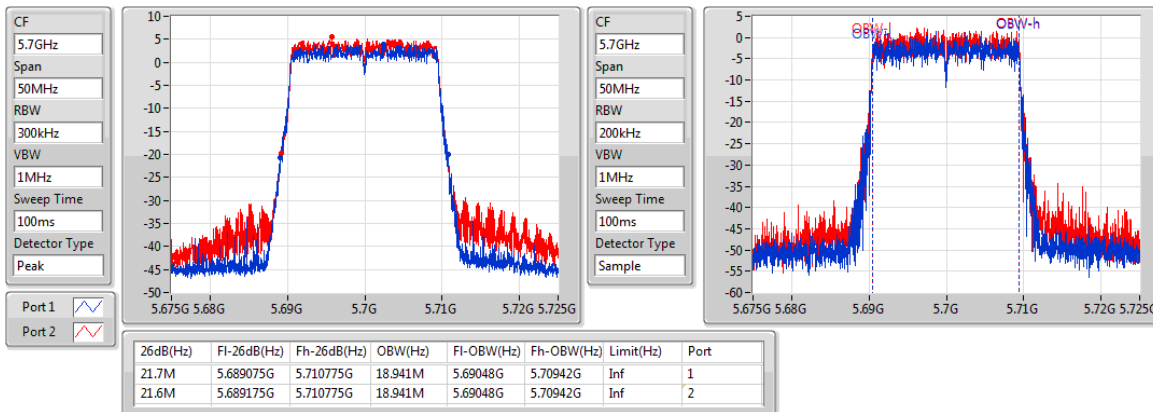


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

05/03/2019

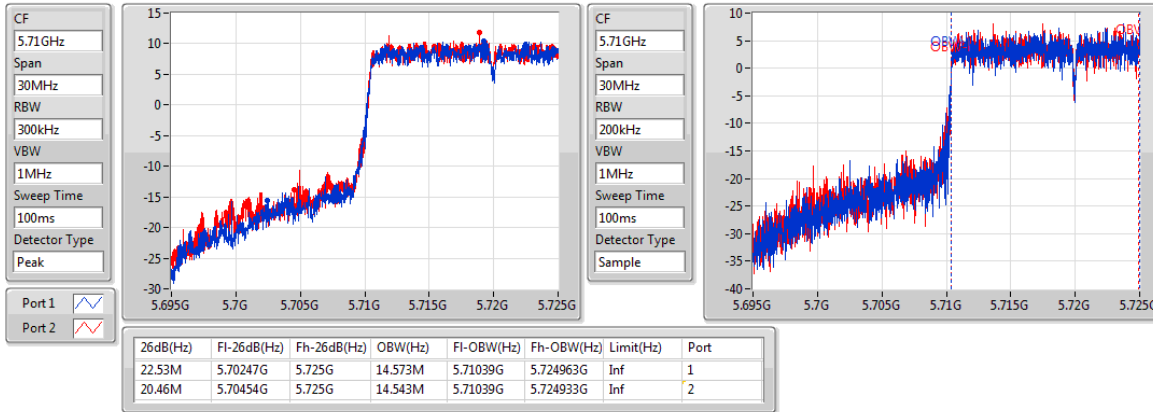


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

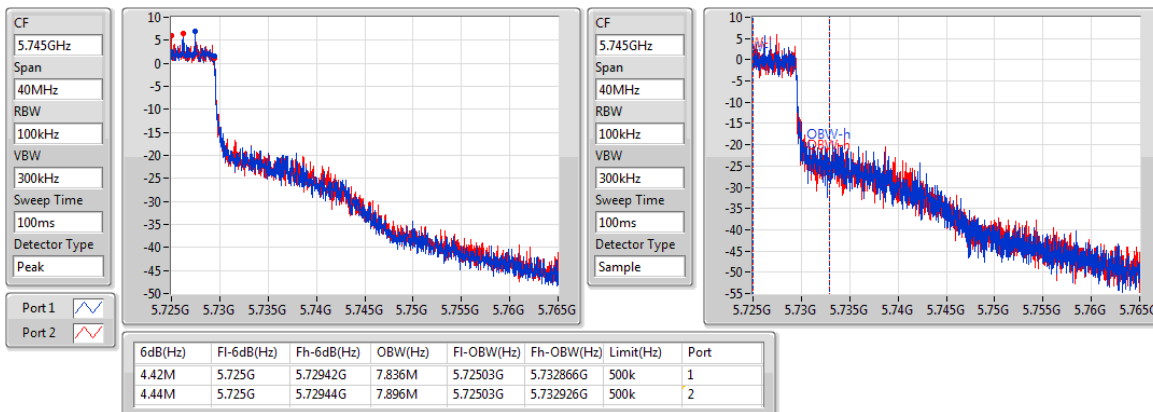


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

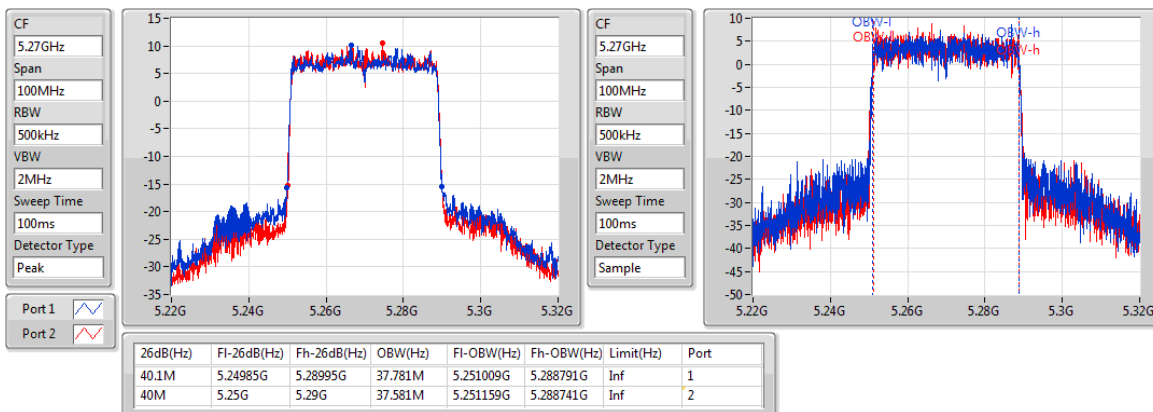


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5270MHz

05/03/2019

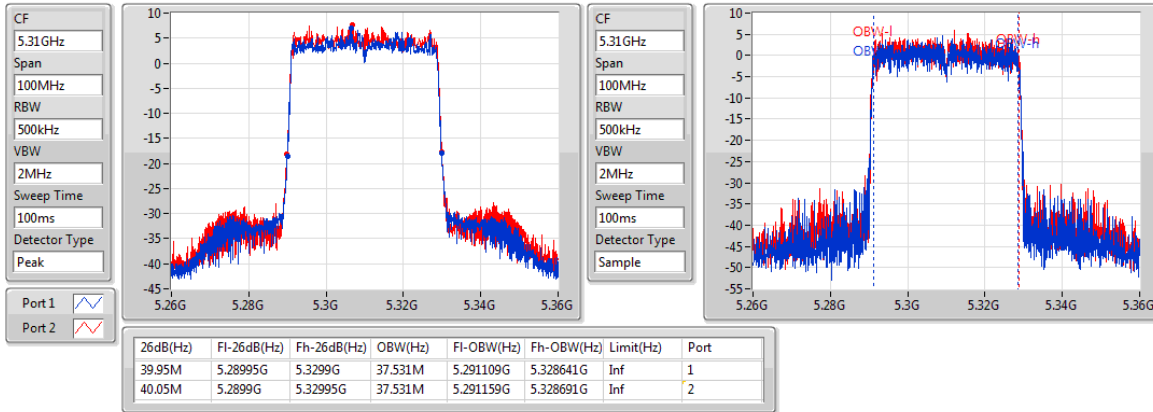


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

05/03/2019

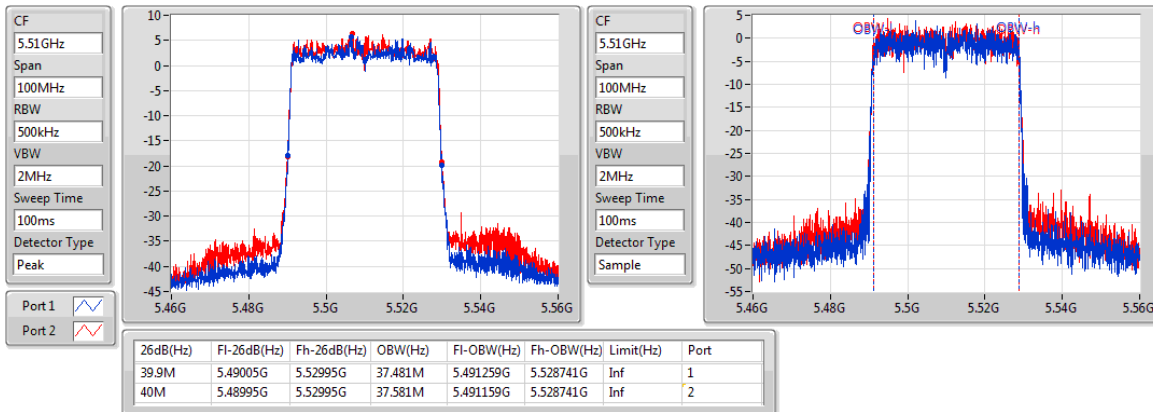


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5510MHz

05/03/2019

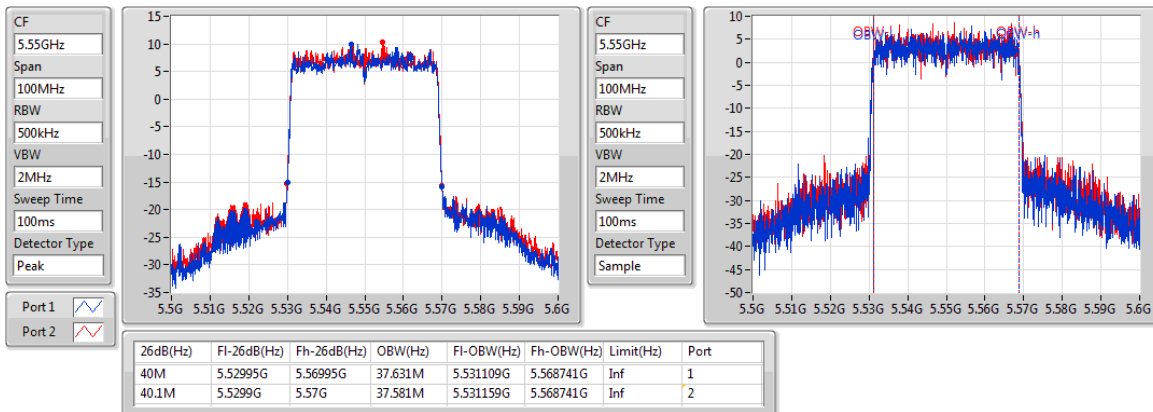


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5550MHz

05/03/2019

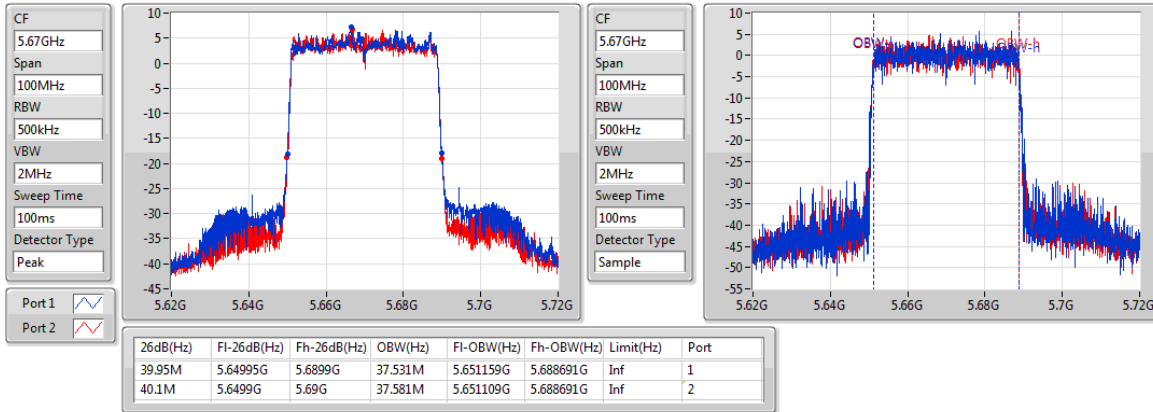


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5670MHz

05/03/2019

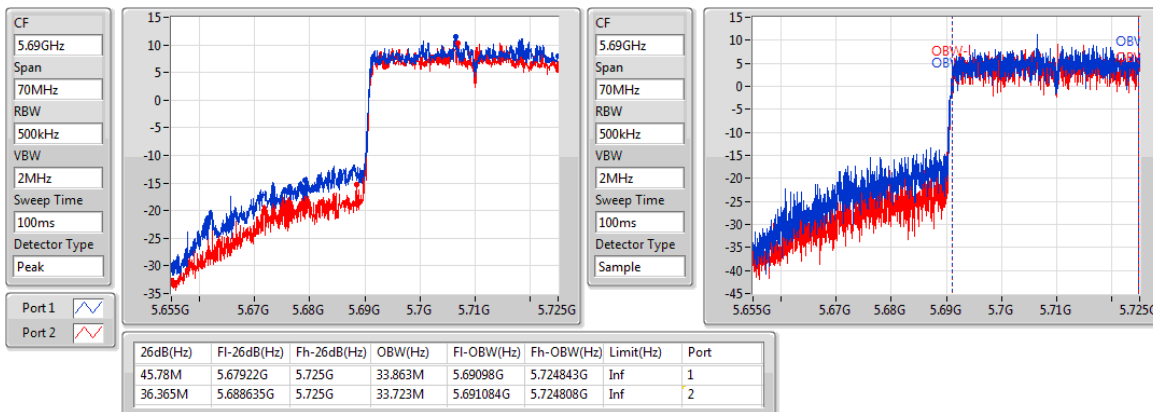


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/03/2019

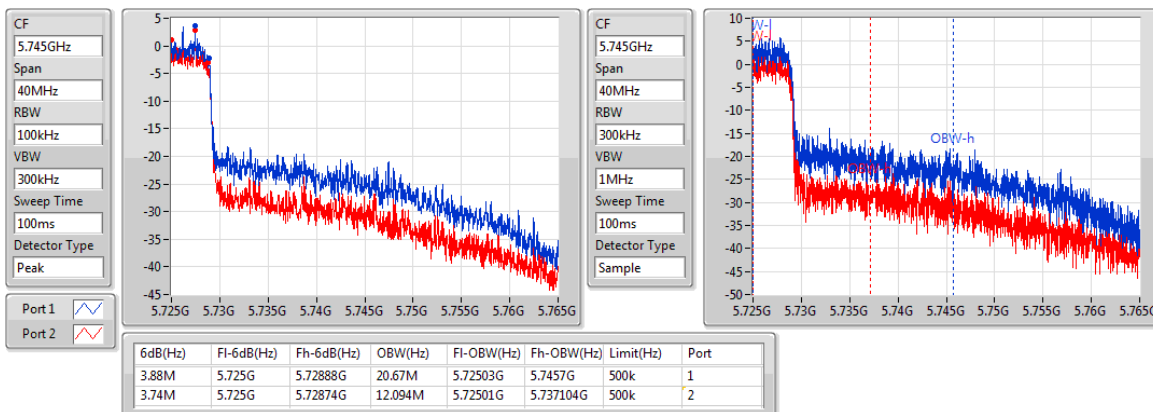


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/03/2019

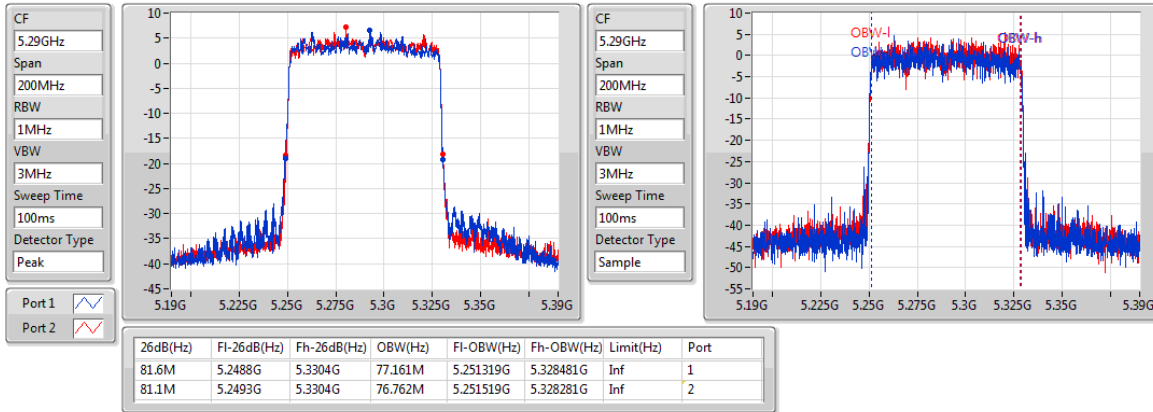


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5290MHz

05/03/2019

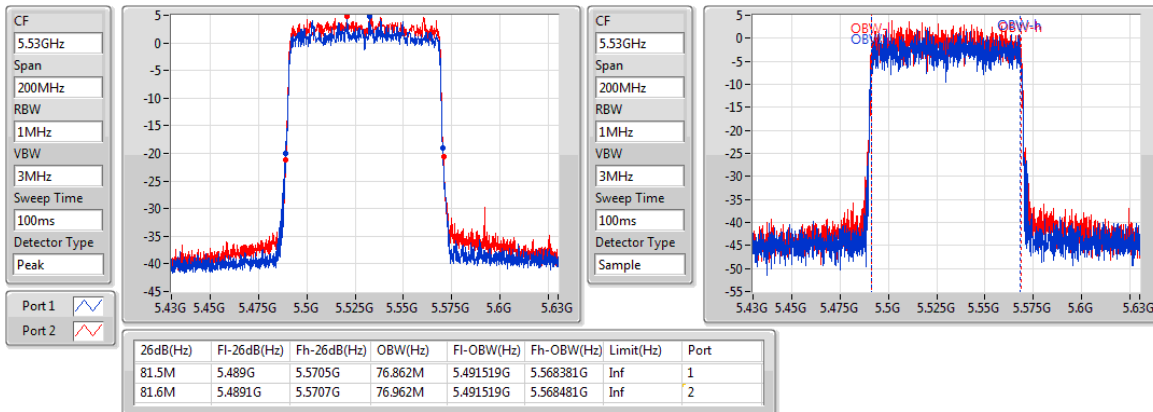


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5530MHz

05/03/2019

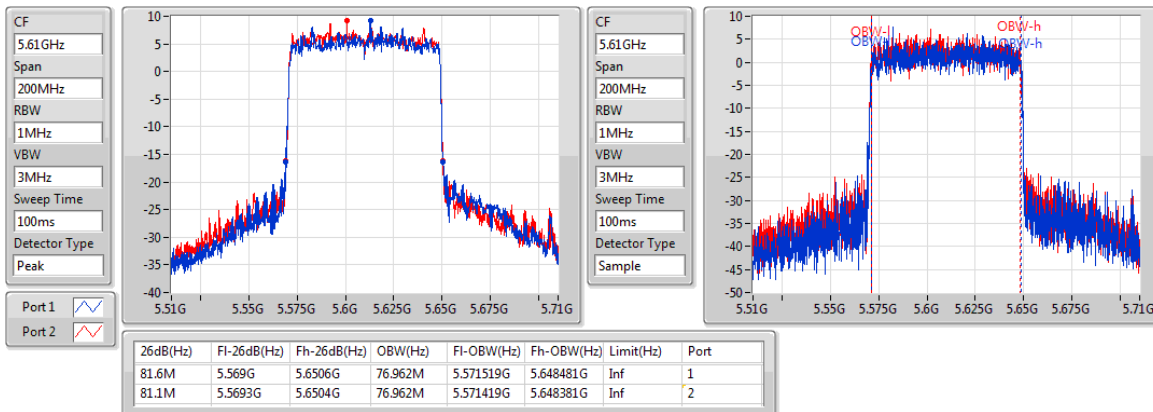


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5610MHz

05/03/2019

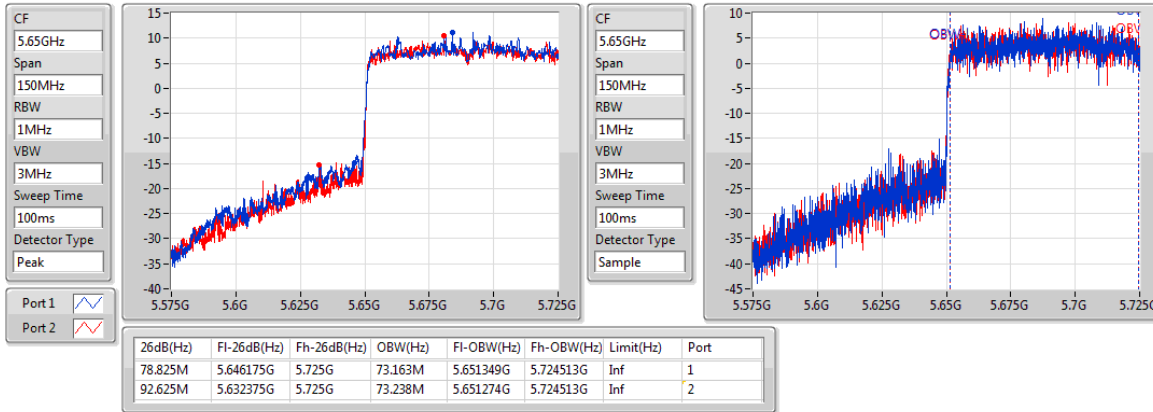


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

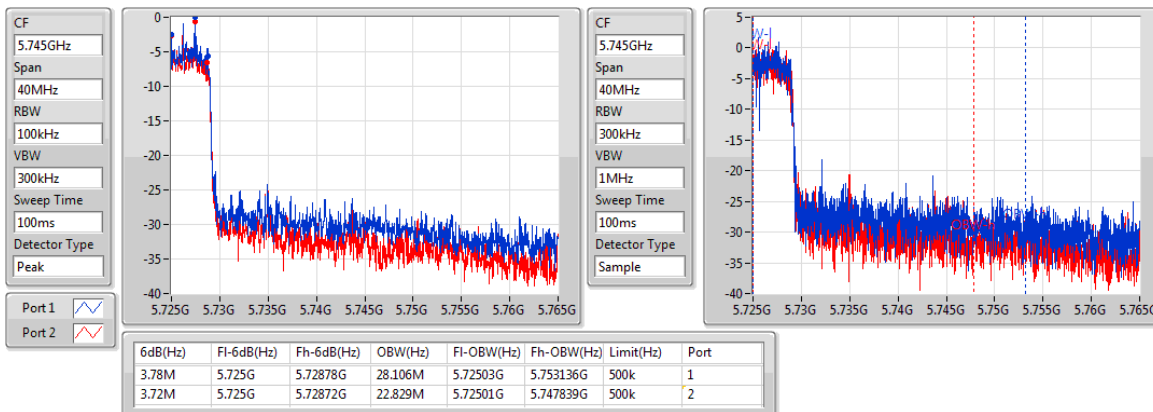


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

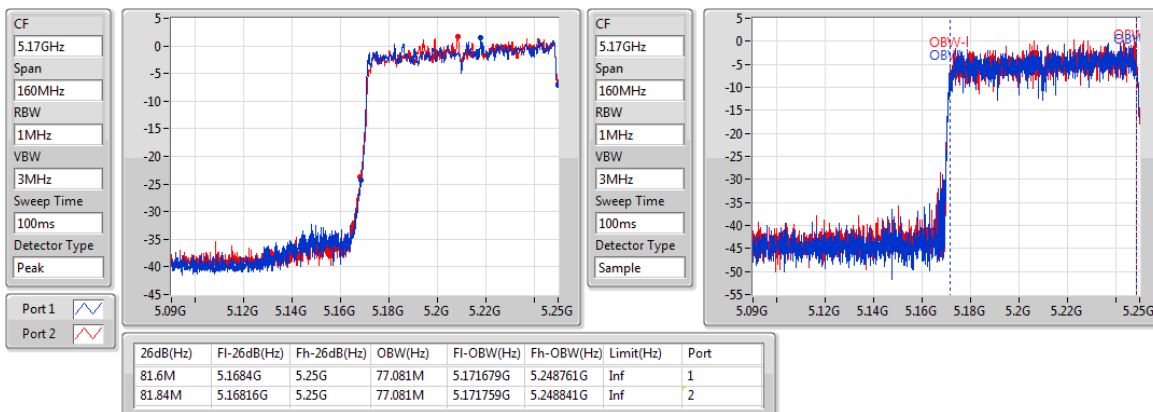


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/03/2019

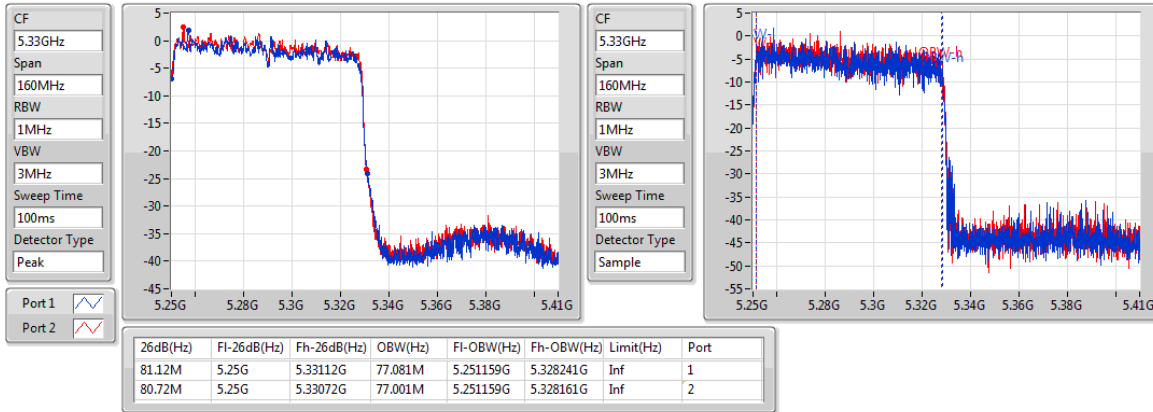


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/03/2019

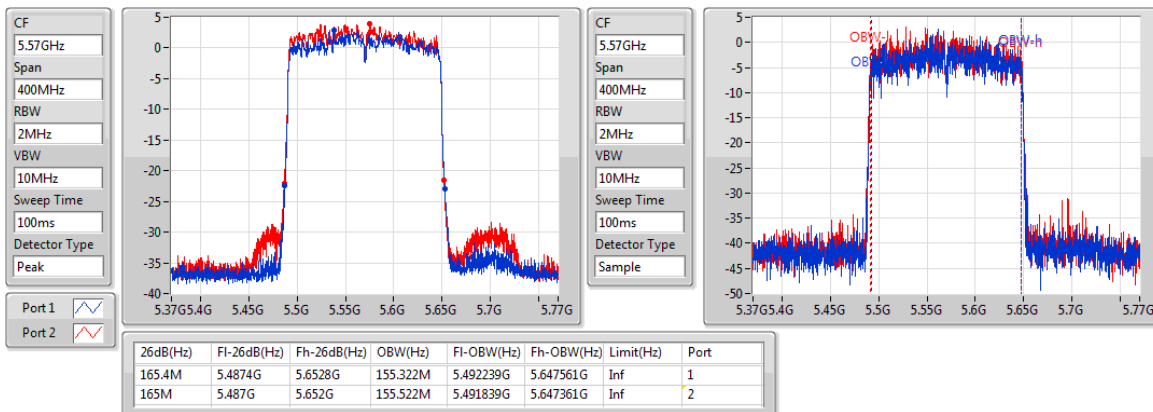


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz

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	81.04M	77.401M	77M4D1D	80.72M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.725M	16.642M	16M6D1D	21.475M	16.542M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.975M	18.991M	19M0D1D	21.375M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.631M	37M6D1D	39.95M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.6M	77.161M	77M2D1D	81M	76.962M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.28M	77.161M	77M2D1D	80.72M	76.922M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.65M	16.642M	16M6D1D	15.675M	13.298M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.925M	18.991M	19M0D1D	15.675M	14.468M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.631M	37M6D1D	35.035M	33.618M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.8M	77.261M	77M3D1D	75.45M	73.238M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.2M	155.322M	155MD1D	163.8M	155.122M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.14M	3.958M	3M96D1D	3.12M	3.798M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.48M	4.518M	4M52D1D	4.46M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.88M	4.018M	4M02D1D	3.72M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.86M	4.058M	4M06D1D	3.68M	4.018M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.625M	16.592M	21.525M	16.542M	21.675M	16.567M	21.475M	16.542M
5300MHz	Pass	Inf	21.525M	16.617M	21.675M	16.567M	21.65M	16.617M	21.5M	16.592M
5320MHz	Pass	Inf	21.5M	16.642M	21.6M	16.642M	21.725M	16.592M	21.7M	16.592M
5500MHz	Pass	Inf	21.575M	16.617M	21.625M	16.617M	21.65M	16.642M	21.475M	16.542M
5580MHz	Pass	Inf	21.55M	16.592M	21.6M	16.567M	21.6M	16.617M	21.6M	16.592M
5700MHz	Pass	Inf	21.475M	16.617M	21.55M	16.592M	21.525M	16.592M	21.6M	16.592M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.328M	15.69M	13.298M	15.765M	13.343M	15.705M	13.328M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.958M	3.12M	3.938M	3.12M	3.818M	3.12M	3.798M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.7M	18.941M	21.675M	18.941M	21.8M	18.966M	21.425M	18.966M
5300MHz	Pass	Inf	21.775M	18.991M	21.725M	18.966M	21.975M	18.966M	21.375M	18.941M
5320MHz	Pass	Inf	21.75M	18.966M	21.625M	18.991M	21.75M	18.941M	21.4M	18.966M
5500MHz	Pass	Inf	21.7M	18.966M	21.75M	18.966M	21.775M	18.966M	21.3M	18.941M
5580MHz	Pass	Inf	21.65M	18.966M	21.6M	18.991M	21.925M	18.966M	21.35M	18.966M
5700MHz	Pass	Inf	21.75M	18.966M	21.55M	18.941M	21.8M	18.991M	21.425M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.9M	14.483M	15.735M	14.468M	15.945M	14.483M	15.675M	14.468M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.518M	4.48M	4.498M	4.46M	4.498M	4.48M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.95M	37.581M	40.15M	37.581M	40.05M	37.531M	40.2M	37.481M
5310MHz	Pass	Inf	40.1M	37.631M	40.15M	37.531M	40.1M	37.581M	40.2M	37.631M
5510MHz	Pass	Inf	39.85M	37.581M	40.1M	37.531M	39.95M	37.481M	39.95M	37.531M
5550MHz	Pass	Inf	39.9M	37.481M	40.1M	37.431M	40.1M	37.481M	40.2M	37.581M
5670MHz	Pass	Inf	40.05M	37.531M	39.95M	37.581M	40.1M	37.481M	40.15M	37.631M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.035M	33.618M	35.035M	33.688M	35.105M	33.653M	35.07M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.018M	3.72M	4.018M	3.76M	4.018M	3.88M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	77.161M	81M	76.962M	81.4M	77.161M	81.5M	77.161M
5530MHz	Pass	Inf	81.3M	76.962M	81.3M	77.061M	81M	77.161M	81.7M	77.161M
5610MHz	Pass	Inf	81.8M	77.161M	81M	76.862M	81.3M	77.261M	81.8M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.825M	73.313M	75.6M	73.238M	75.45M	73.313M	75.75M	73.388M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.058M	3.68M	4.038M	3.74M	4.038M	3.86M	4.018M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.401M	80.72M	77.081M	81.04M	77.081M	81.04M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.001M	81.28M	77.161M	80.72M	76.922M	81.2M	77.081M
5570MHz	Pass	Inf	165.2M	155.122M	164.6M	155.322M	163.8M	155.122M	164.2M	155.322M

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

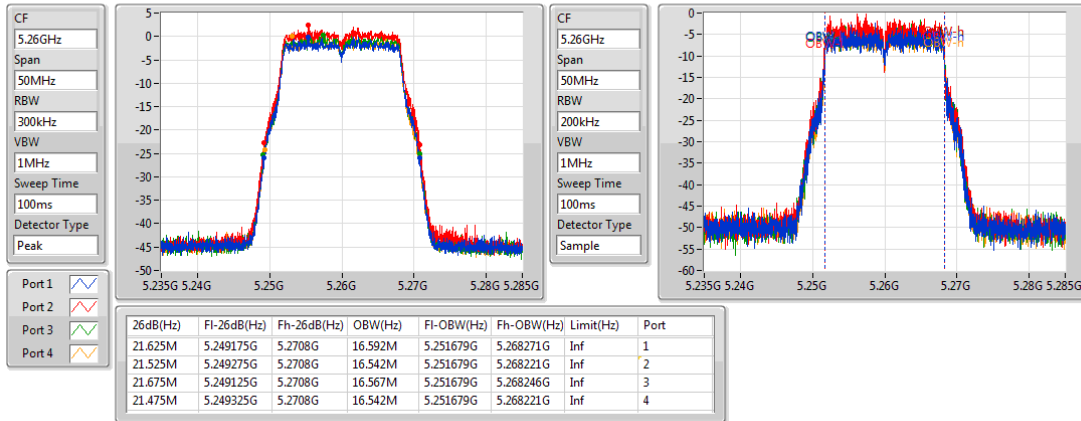
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

04/03/2019

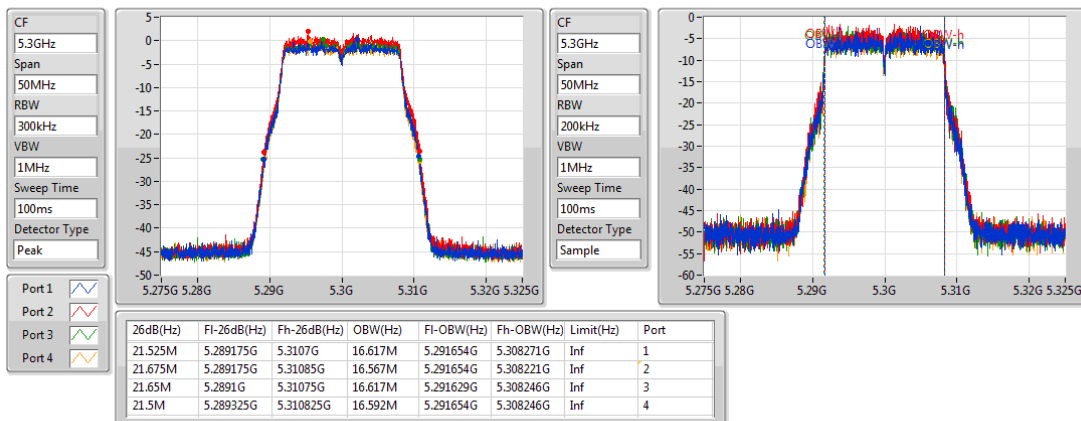


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

04/03/2019

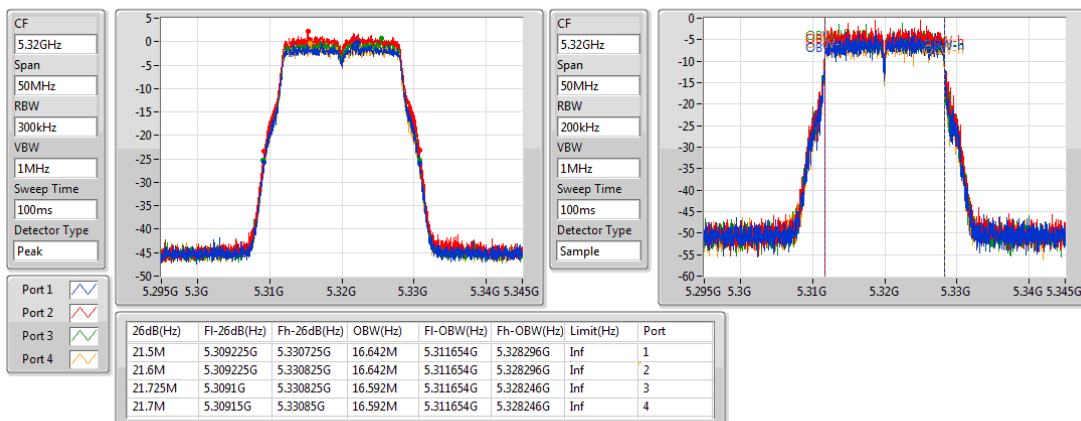


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

04/03/2019

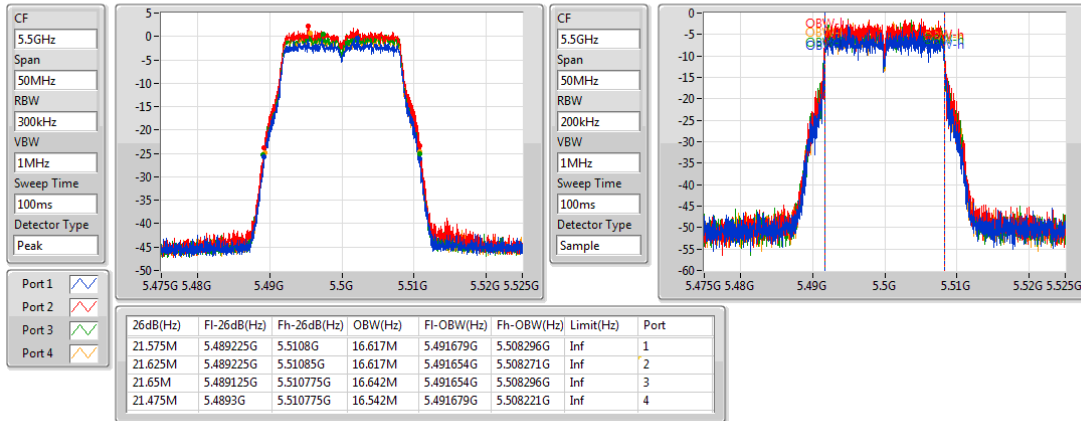


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

04/03/2019

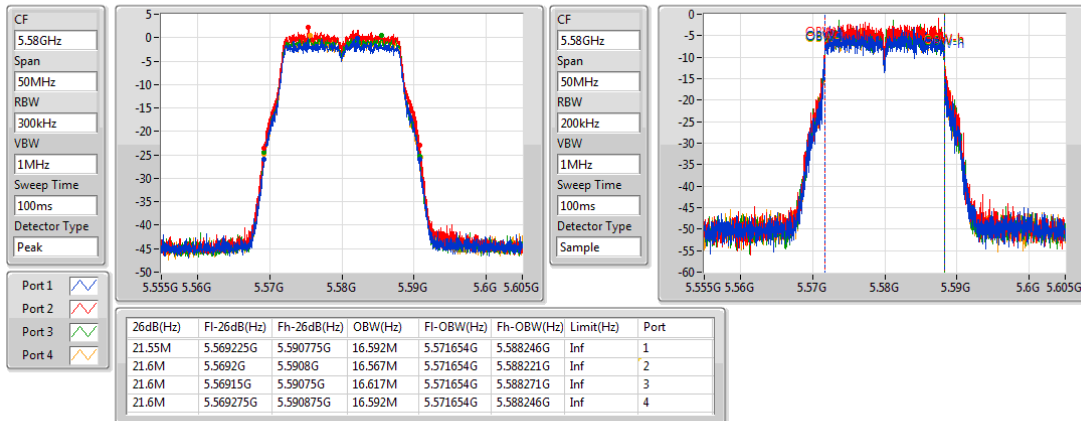


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

04/03/2019

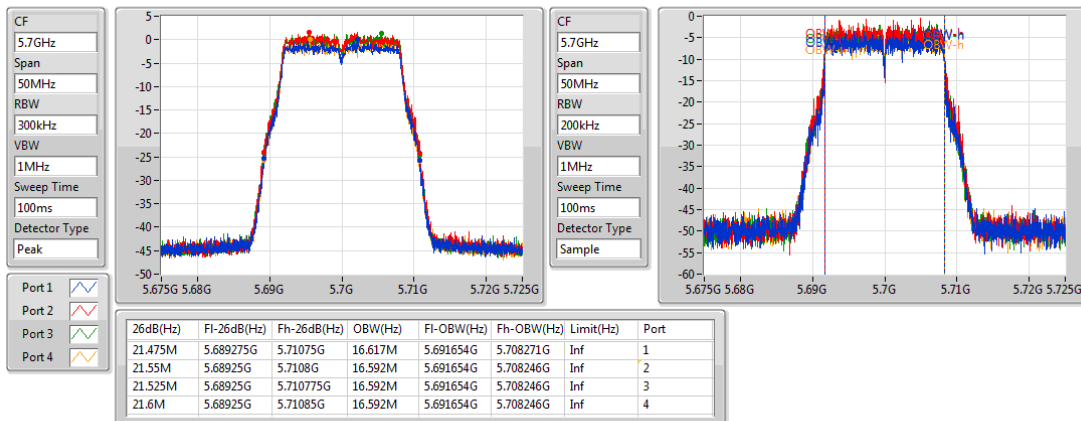


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

04/03/2019

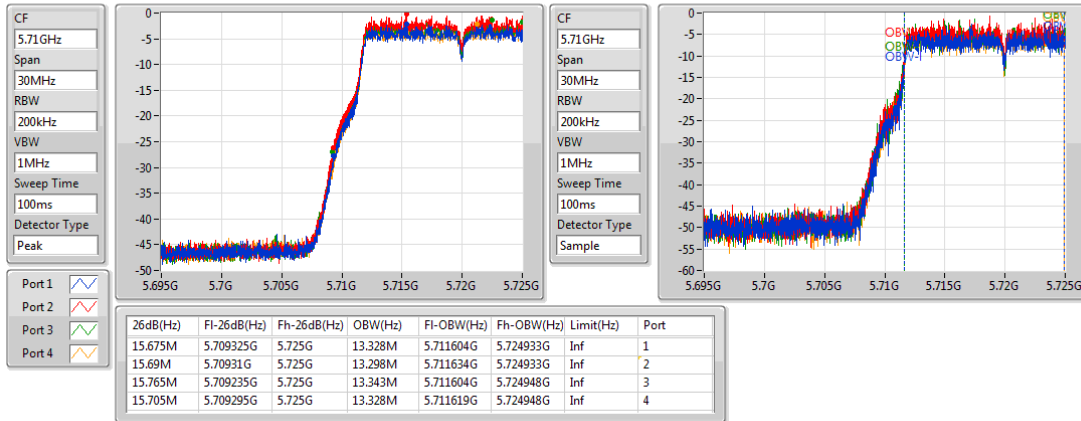


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/03/2019

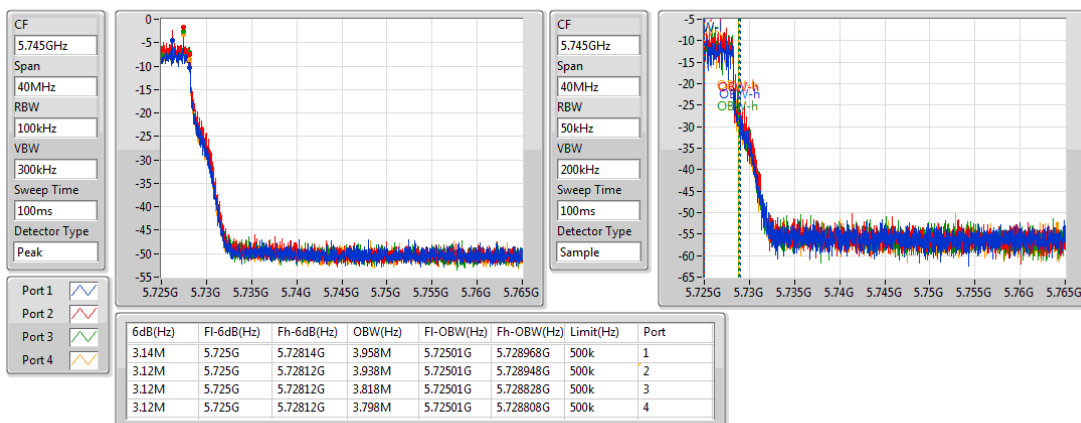


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/03/2019



802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

04/03/2019

