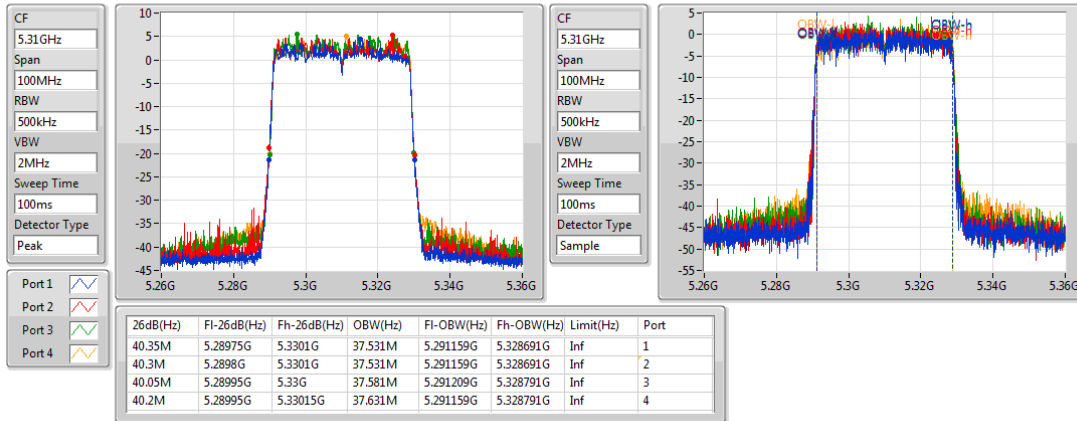


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5310MHz

27/02/2019

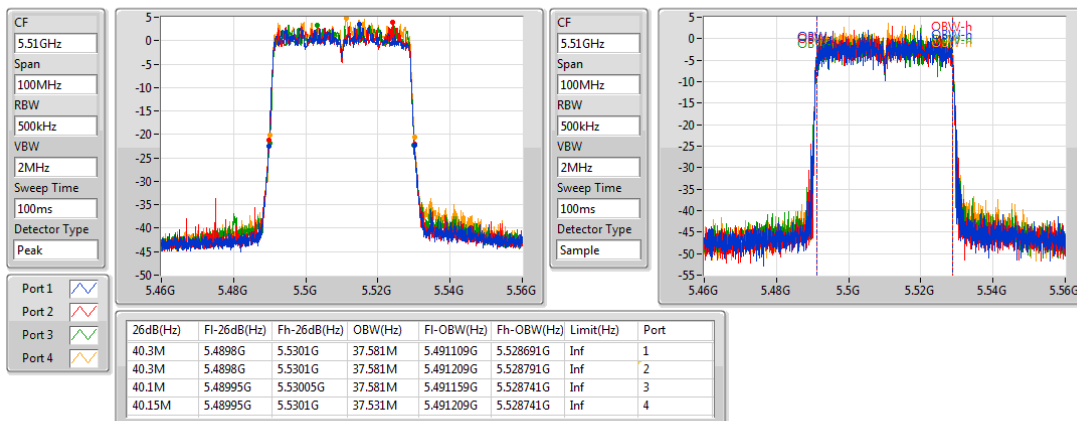


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

27/02/2019

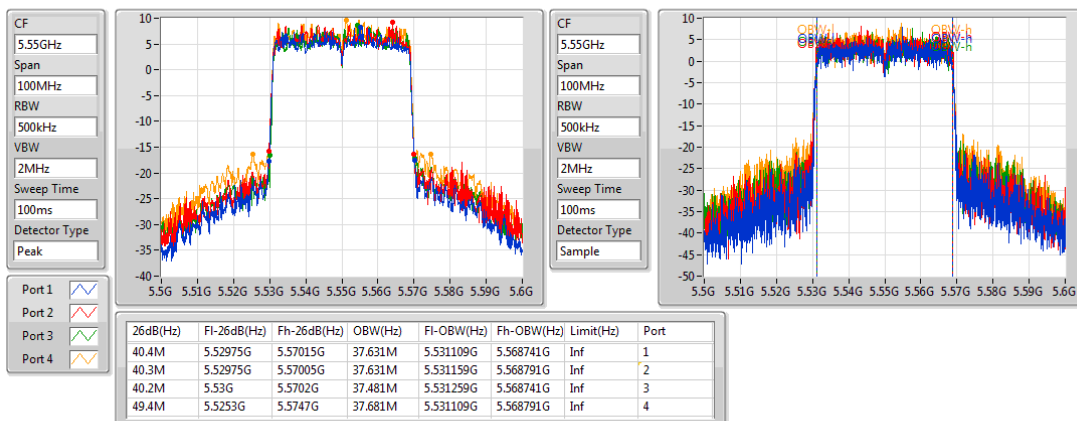


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5550MHz

27/02/2019

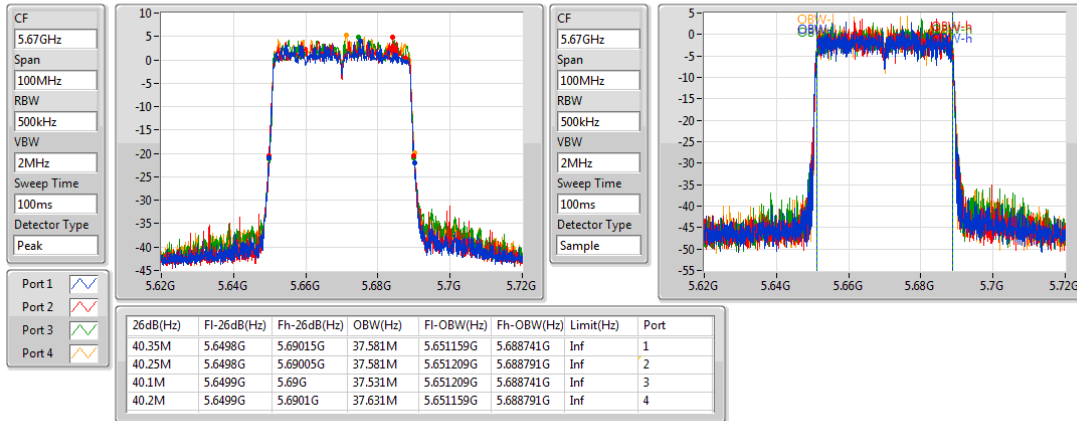


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5670MHz

27/02/2019

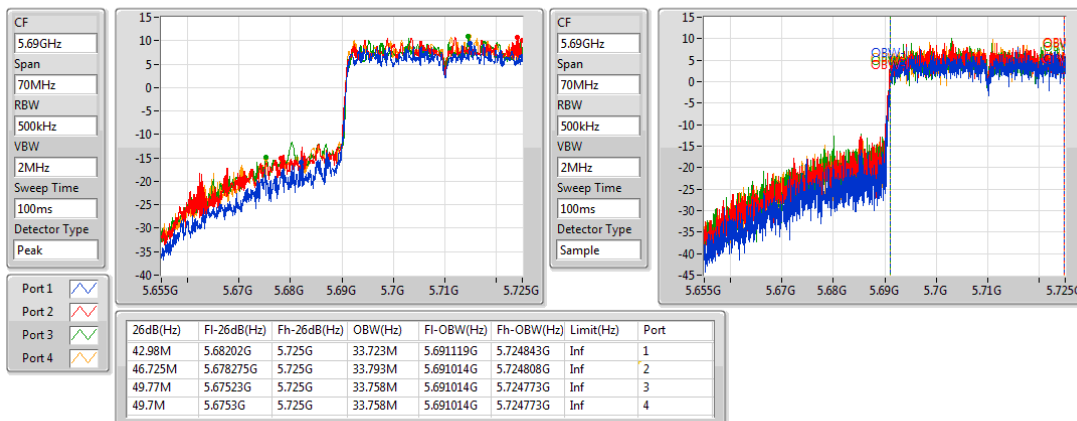


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

27/02/2019

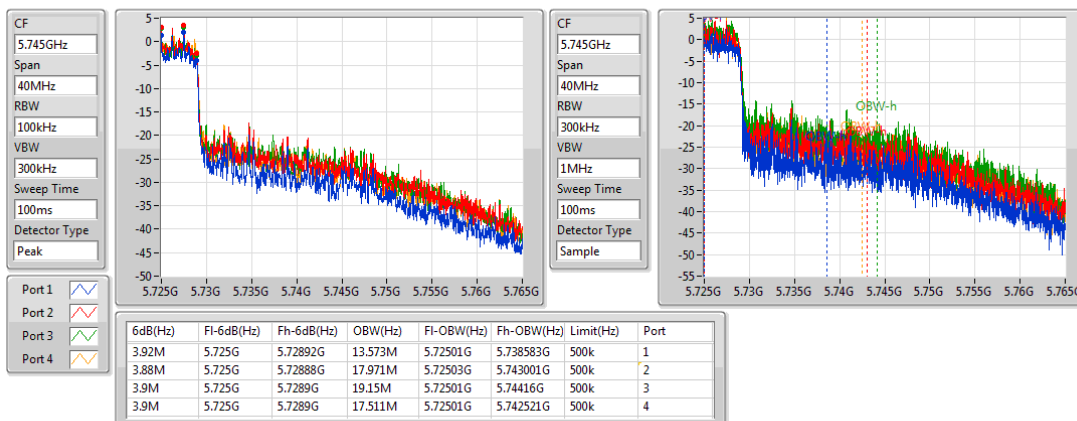


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

27/02/2019

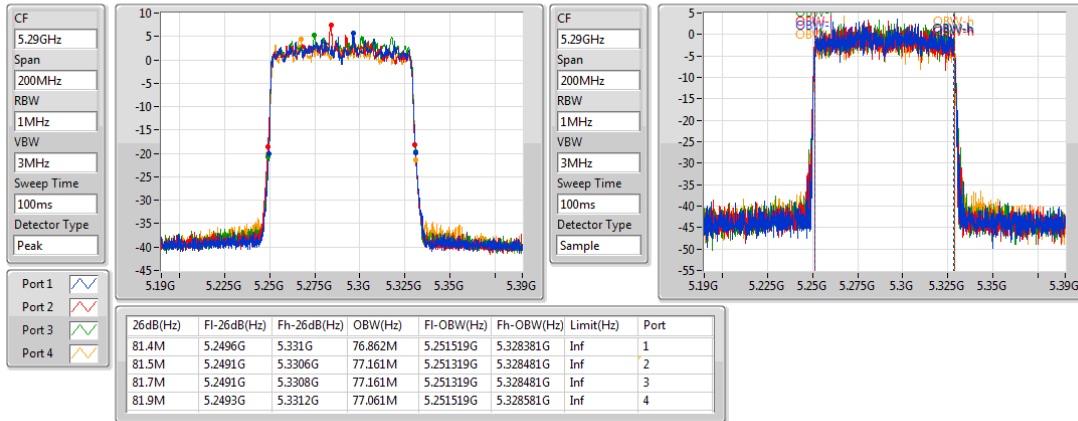


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5290MHz

27/02/2019

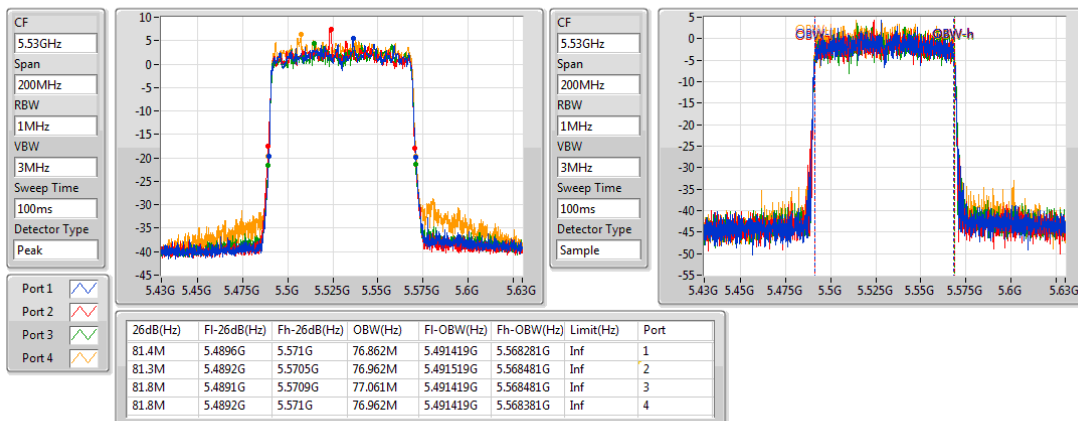


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5530MHz

27/02/2019

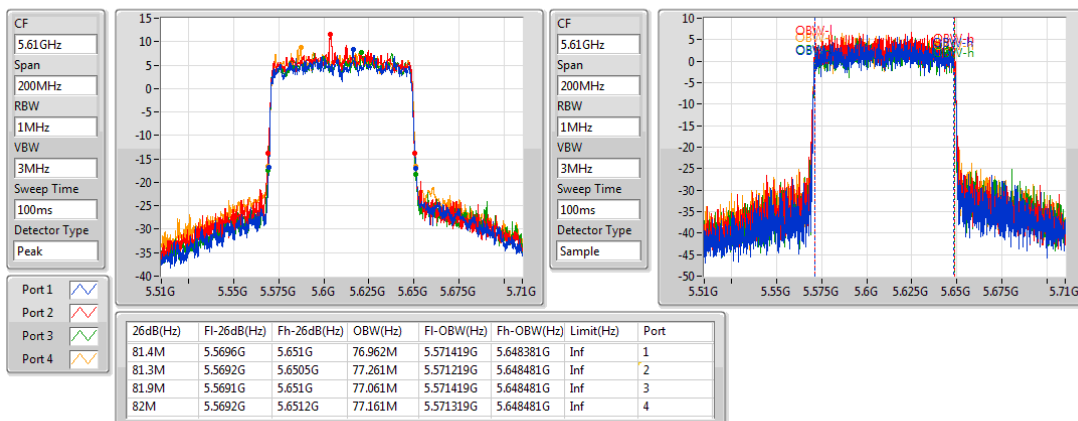


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

27/02/2019

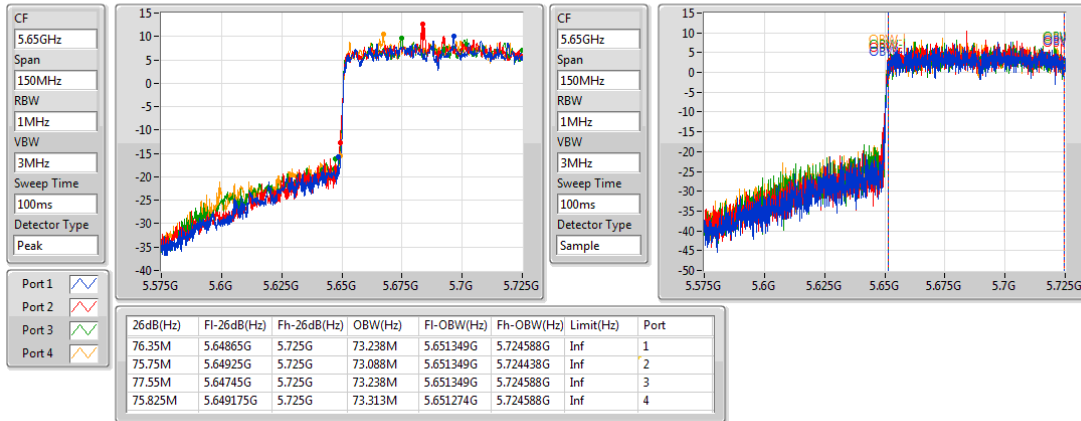


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

27/02/2019

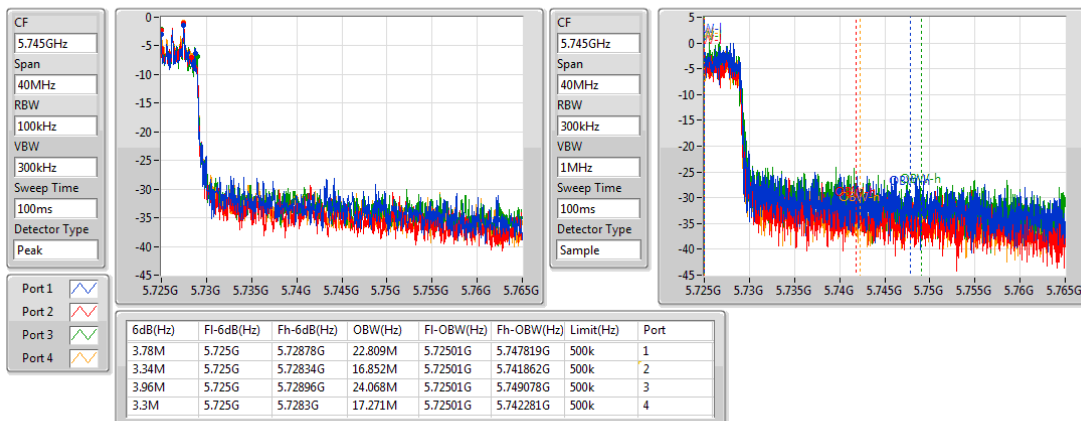


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

27/02/2019

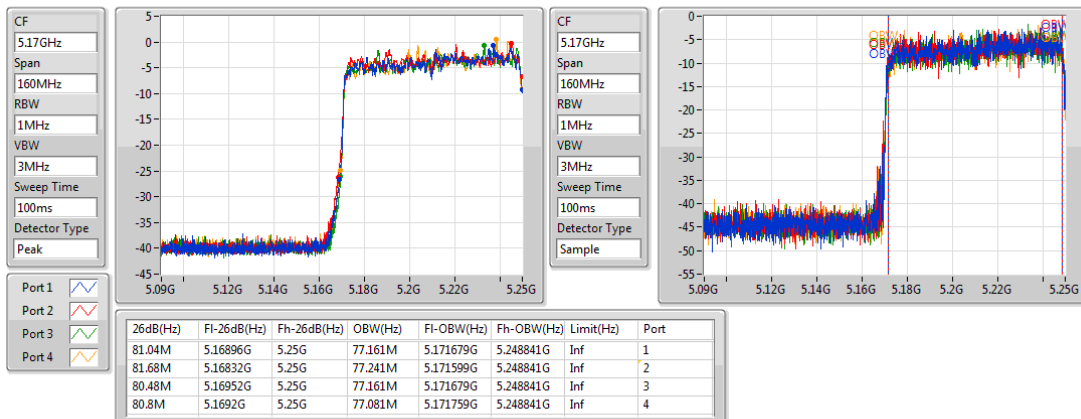


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

27/02/2019

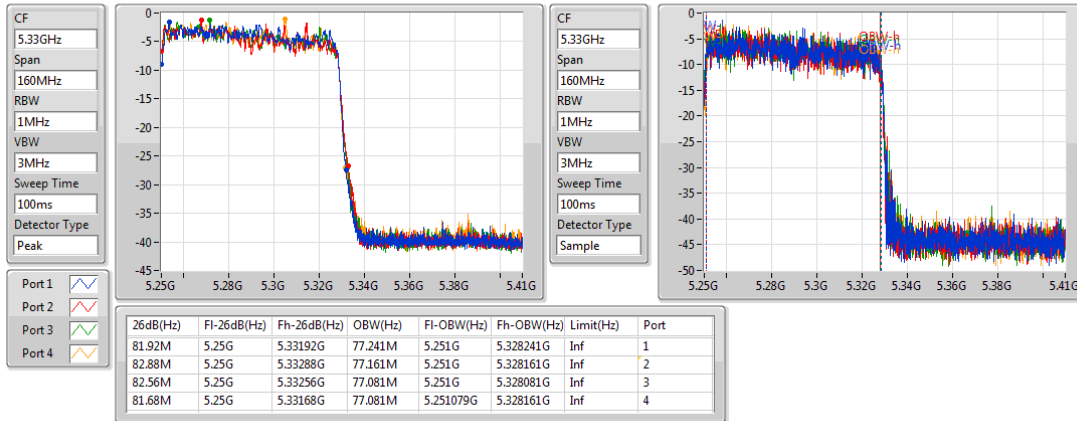


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

27/02/2019

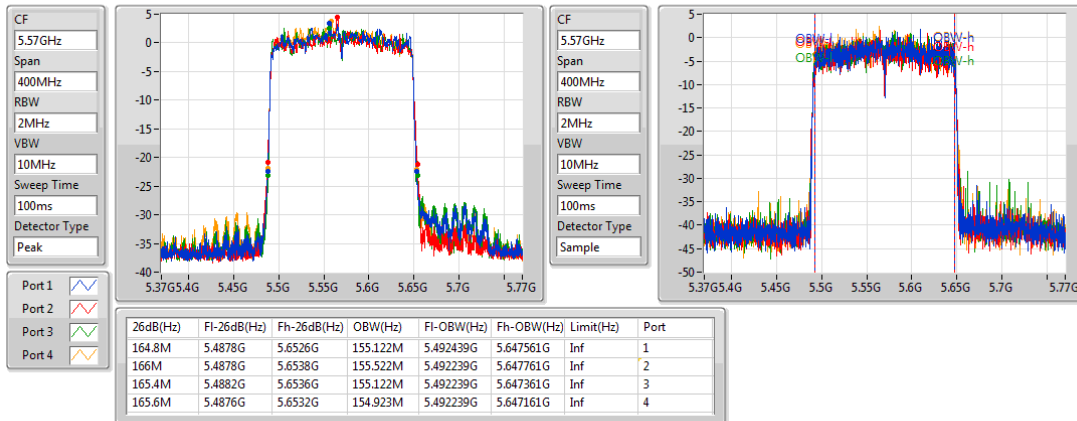


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

27/02/2019



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	81.12M	77.241M	77M2D1D	81.12M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	42.85M	17.391M	17M4D1D	21.8M	16.642M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.15M	19.215M	19M2D1D	24.4M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	82.75M	37.881M	37M9D1D	39.95M	37.531M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.5M	77.061M	77M1D1D	81.5M	77.061M
802.11ax HEW160_Nss1,(MCS0)_1TX	134M	77.401M	77M4D1D	134M	77.401M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	43.725M	19.64M	19M6D1D	21.525M	13.823M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.325M	19.54M	19M5D1D	21.675M	14.708M
802.11ax HEW40_Nss1,(MCS0)_1TX	73.75M	37.881M	37M9D1D	40M	34.738M
802.11ax HEW80_Nss1,(MCS0)_1TX	133.9M	77.361M	77M4D1D	81.7M	74.138M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.6M	155.122M	155MD1D	164.6M	155.122M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.14M	8.956M	8M96D1D	3.14M	8.956M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.5M	10.995M	11M0D1D	4.5M	10.995M
802.11ax HEW40_Nss1,(MCS0)_1TX	3.98M	24.508M	24M5D1D	3.98M	24.508M
802.11ax HEW80_Nss1,(MCS0)_1TX	3.8M	36.342M	36M3D1D	3.8M	36.342M

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	42.85M	17.391M
5300MHz	Pass	Inf	42.6M	17.391M
5320MHz	Pass	Inf	21.8M	16.642M
5500MHz	Pass	Inf	21.525M	16.567M
5580MHz	Pass	Inf	43.725M	19.64M
5700MHz	Pass	Inf	21.6M	16.567M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.835M	13.823M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	8.956M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	40.9M	19.215M
5300MHz	Pass	Inf	41.15M	19.165M
5320MHz	Pass	Inf	24.4M	18.991M
5500MHz	Pass	Inf	21.675M	18.991M
5580MHz	Pass	Inf	41.325M	19.54M
5700MHz	Pass	Inf	21.725M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	26.235M	14.708M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	10.995M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	82.75M	37.881M
5310MHz	Pass	Inf	39.95M	37.531M
5510MHz	Pass	Inf	40M	37.531M
5550MHz	Pass	Inf	73.75M	37.881M
5670MHz	Pass	Inf	43.9M	37.631M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	55.265M	34.738M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	24.508M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	81.5M	77.061M
5530MHz	Pass	Inf	81.7M	77.161M
5610MHz	Pass	Inf	133.9M	77.361M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	115.05M	74.138M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	36.342M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	134M	77.401M
5570MHz	Pass	Inf	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

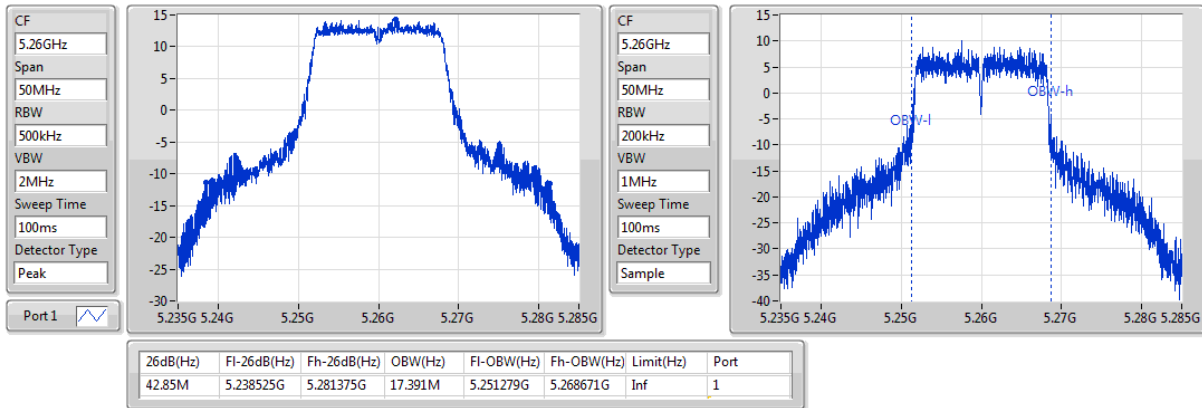
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

28/02/2019

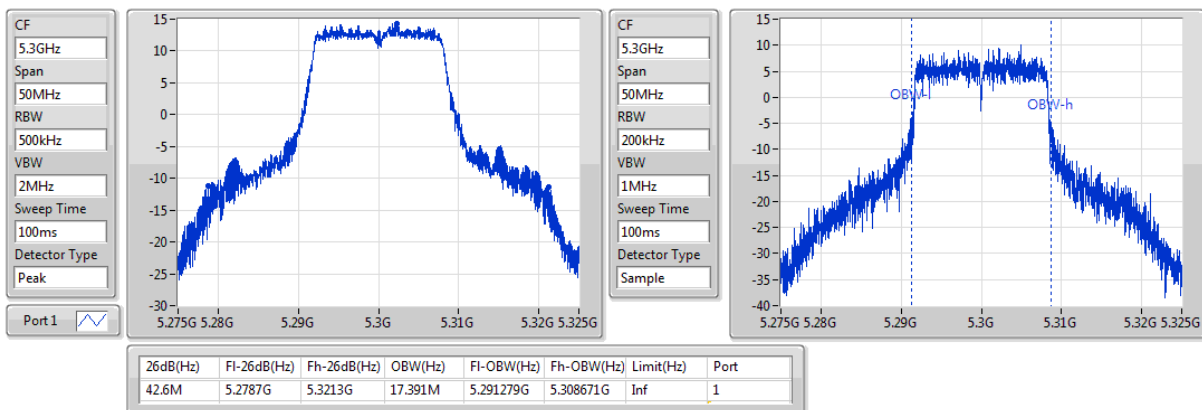


802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

28/02/2019

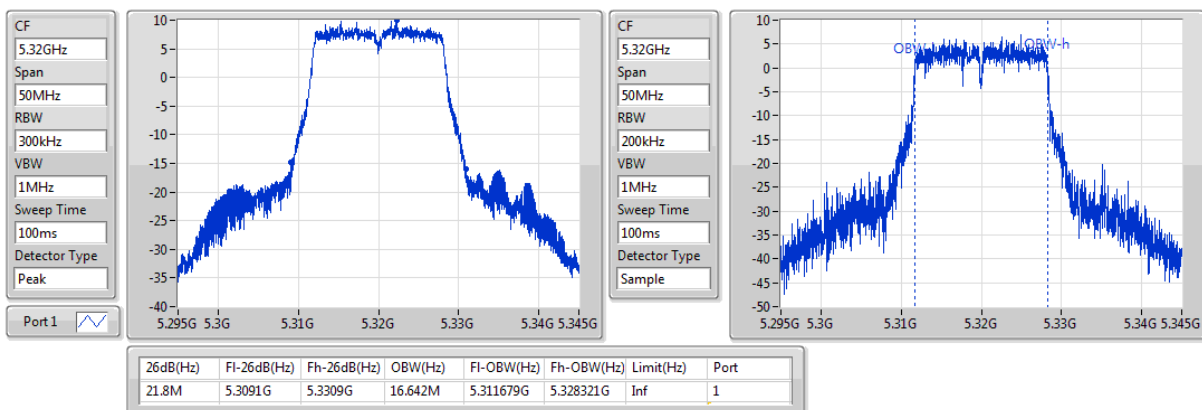


802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

28/02/2019

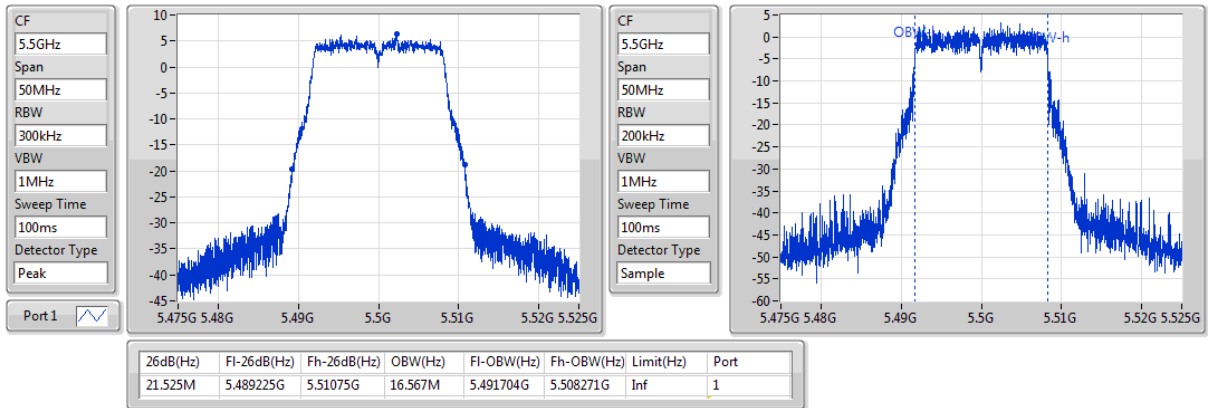


802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

28/02/2019

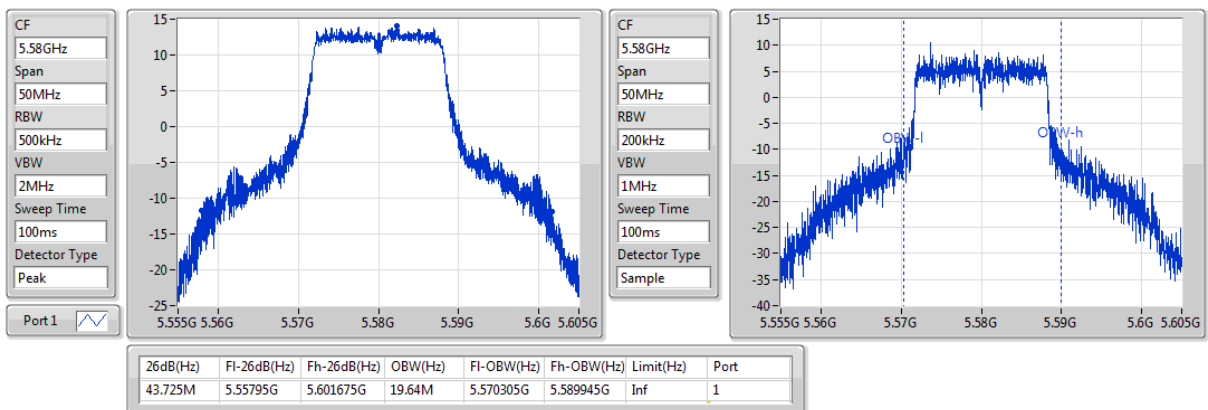


802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

28/02/2019

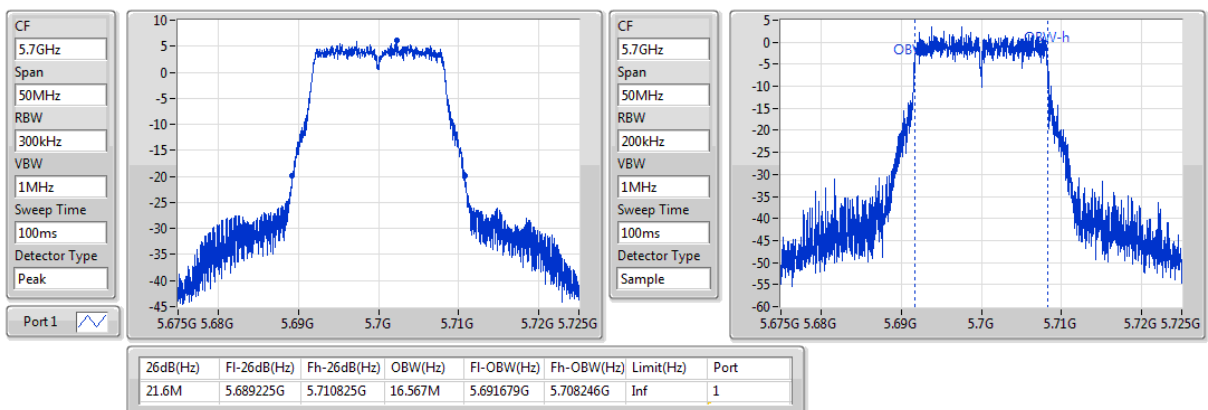


802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

28/02/2019

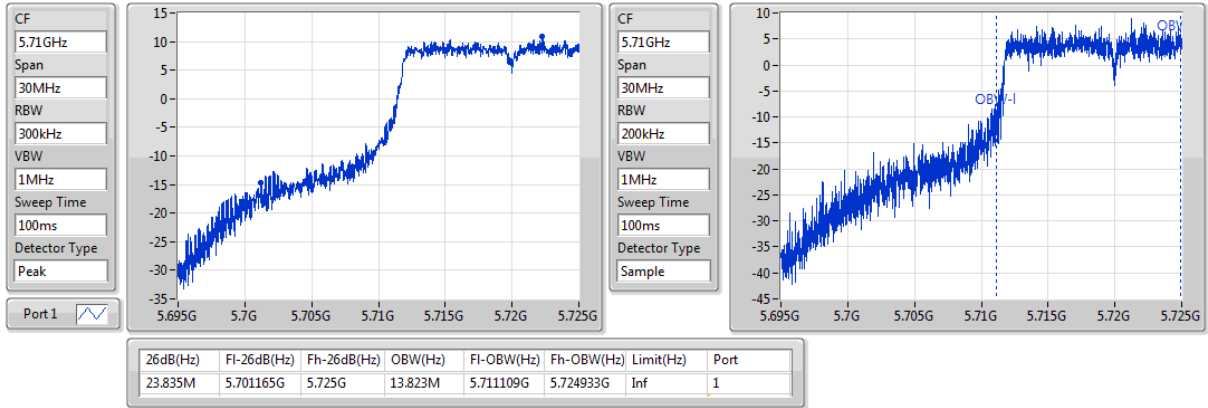


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

28/02/2019

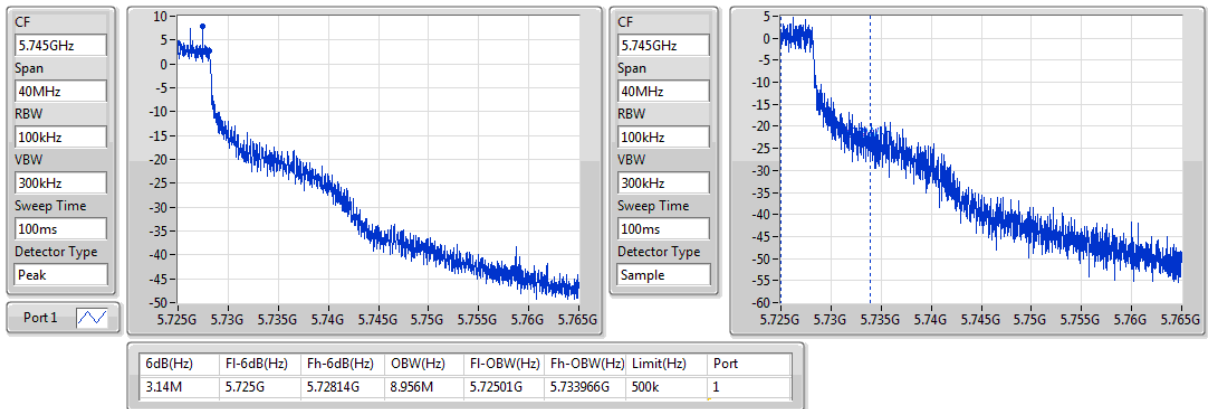


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/02/2019

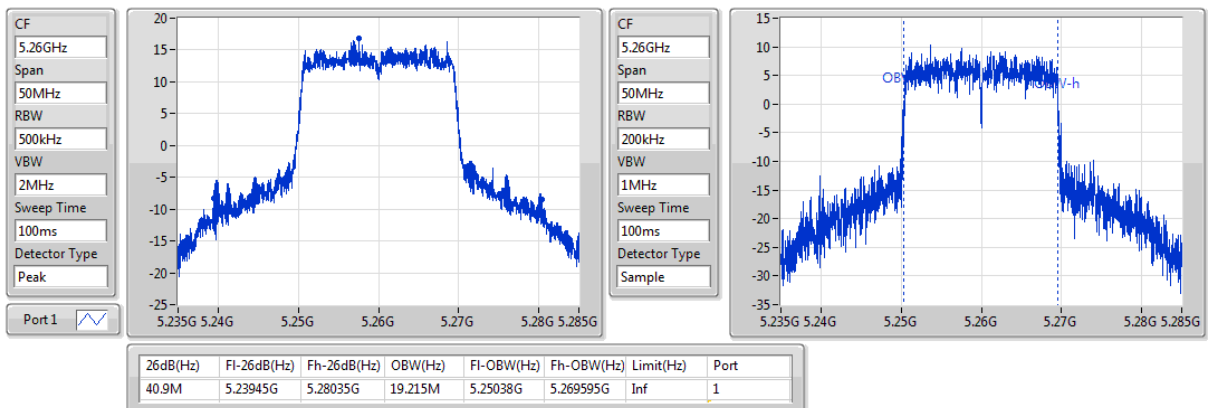


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

28/02/2019

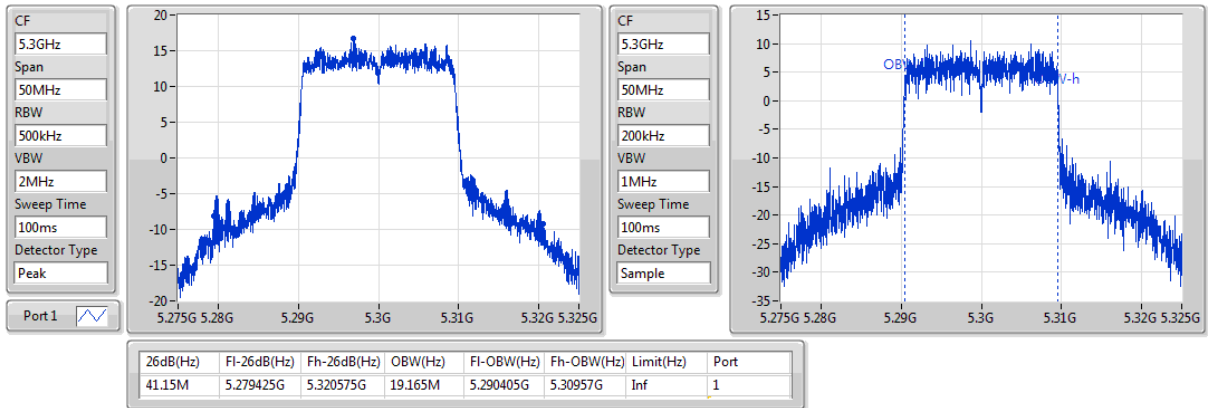


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

28/02/2019

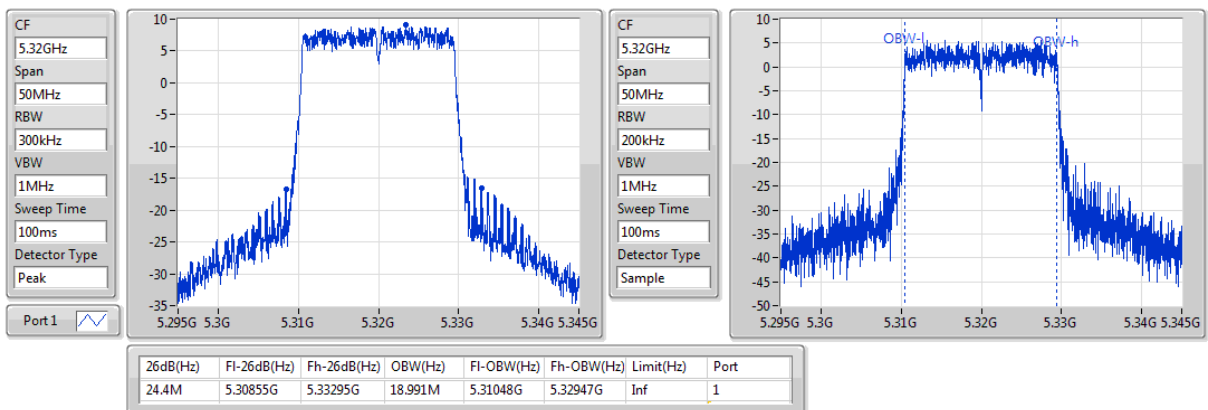


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

28/02/2019

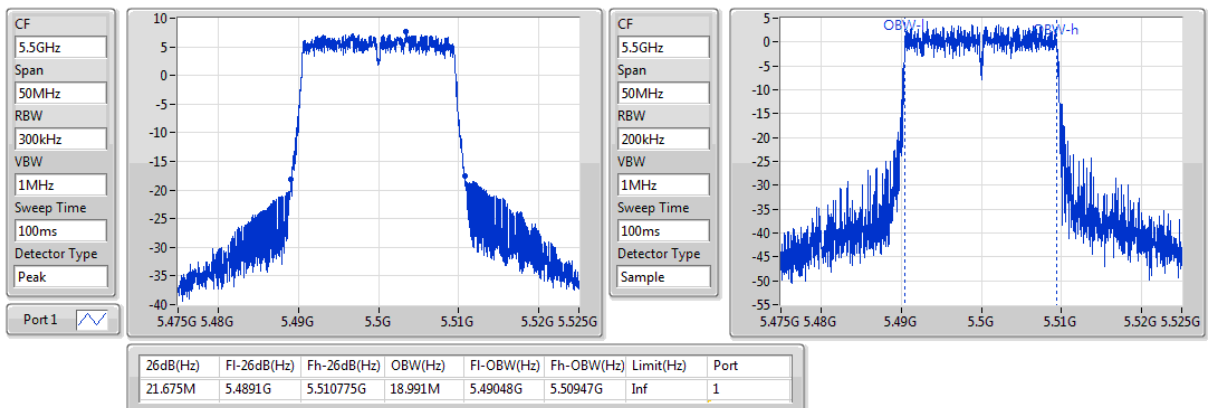


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

28/02/2019

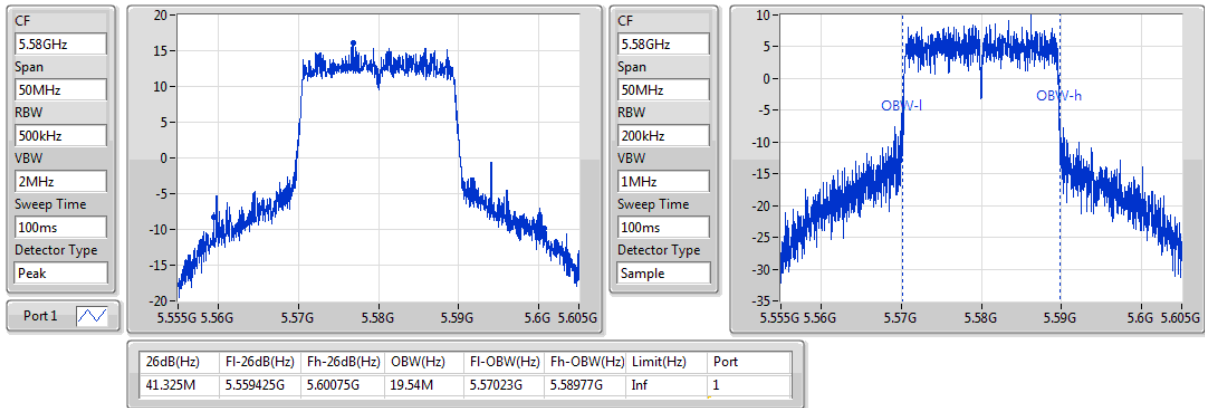


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

28/02/2019

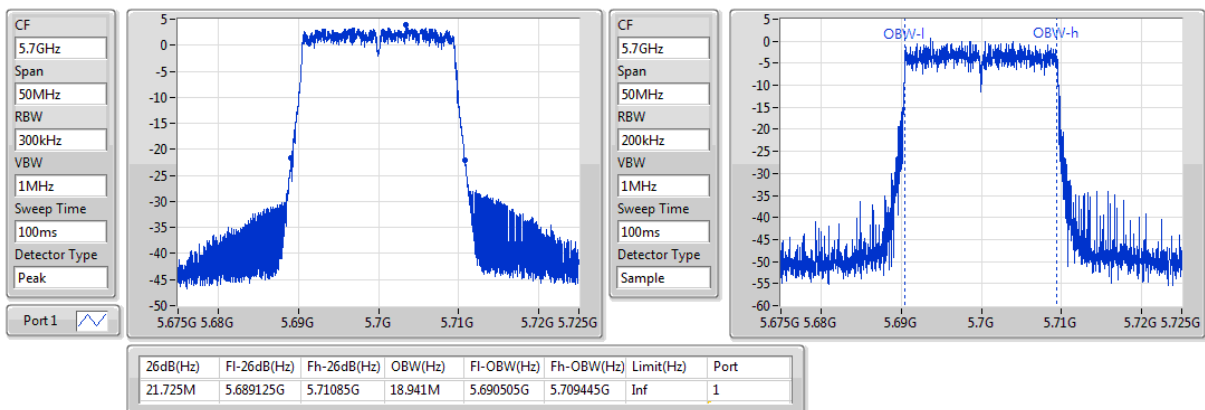


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

28/02/2019

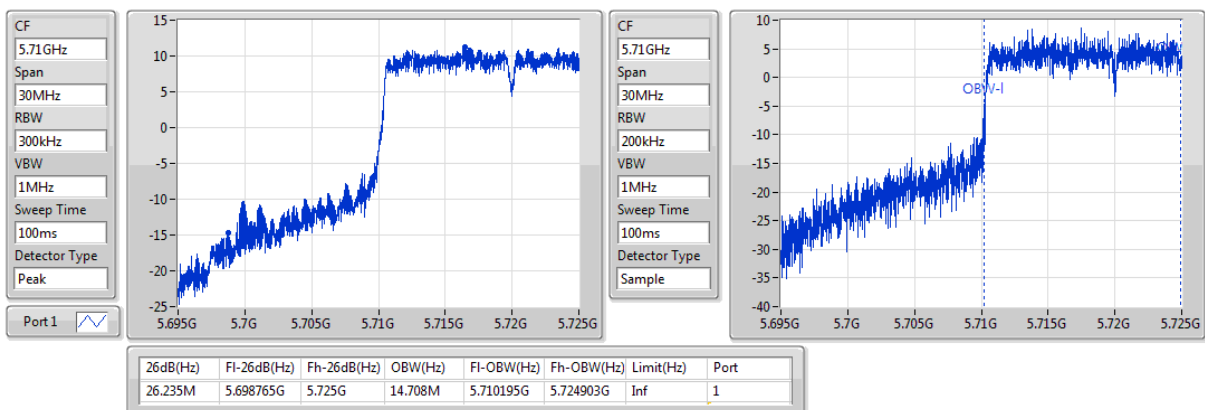


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

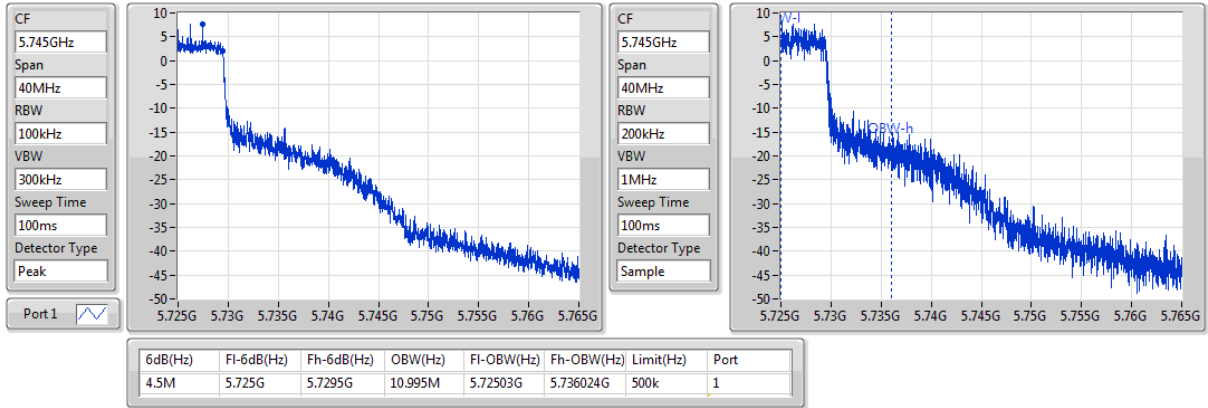
5720MHz Straddle 5.47-5.725GHz

28/02/2019

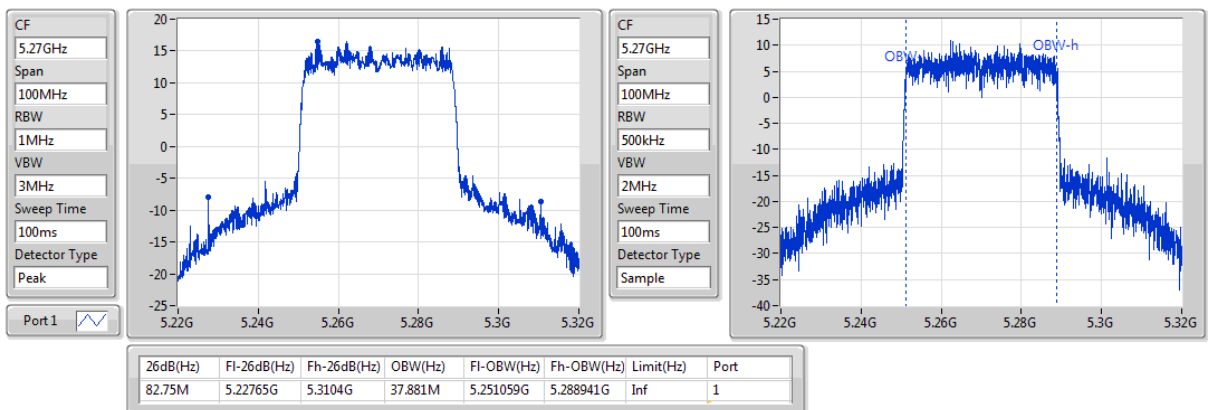


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

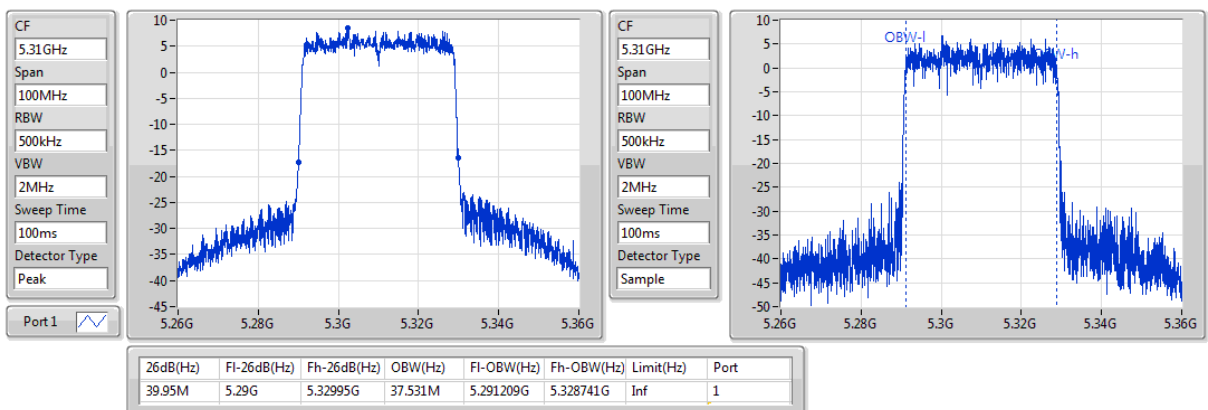
28/02/2019


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5270MHz

28/02/2019


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5310MHz

28/02/2019

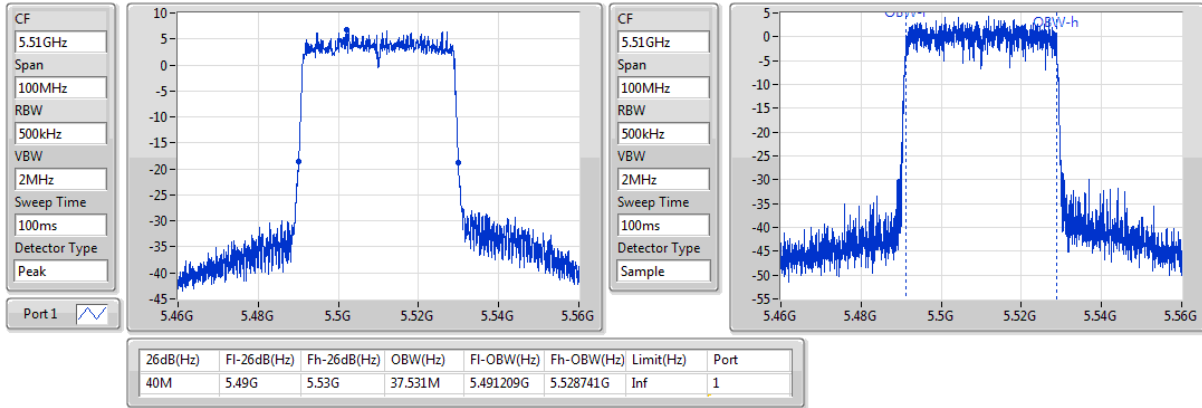


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

28/02/2019

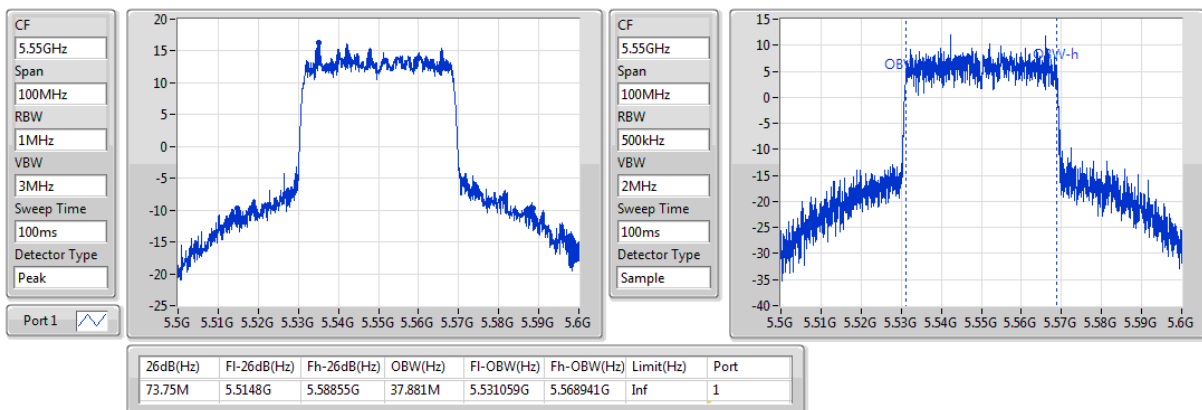


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

28/02/2019

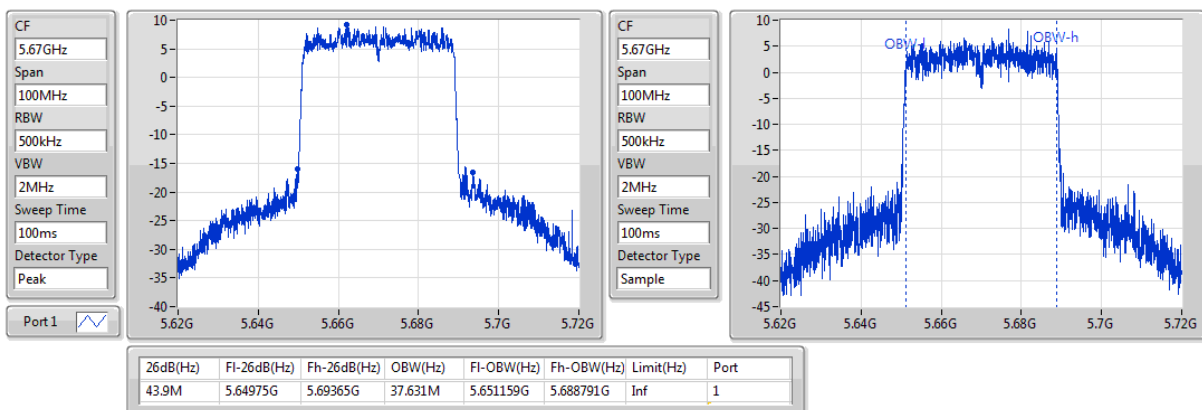


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

28/02/2019

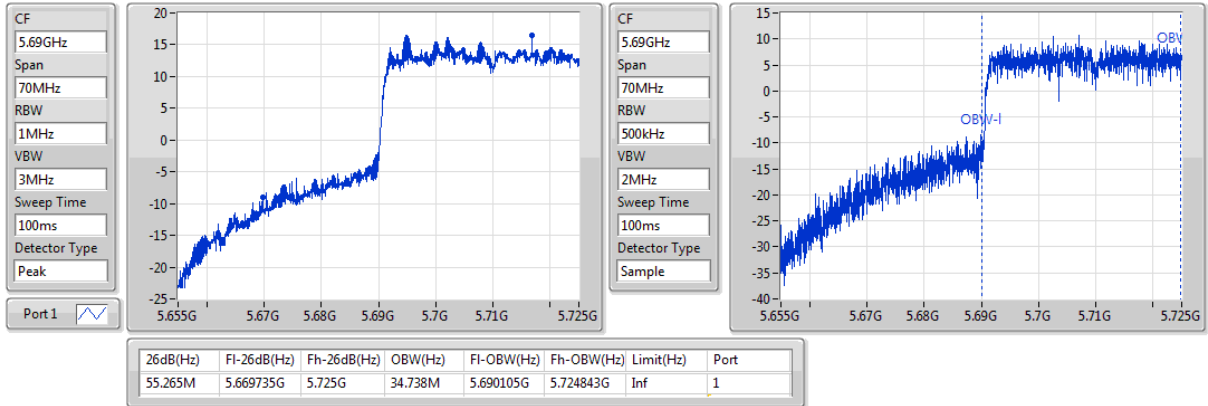


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

28/02/2019

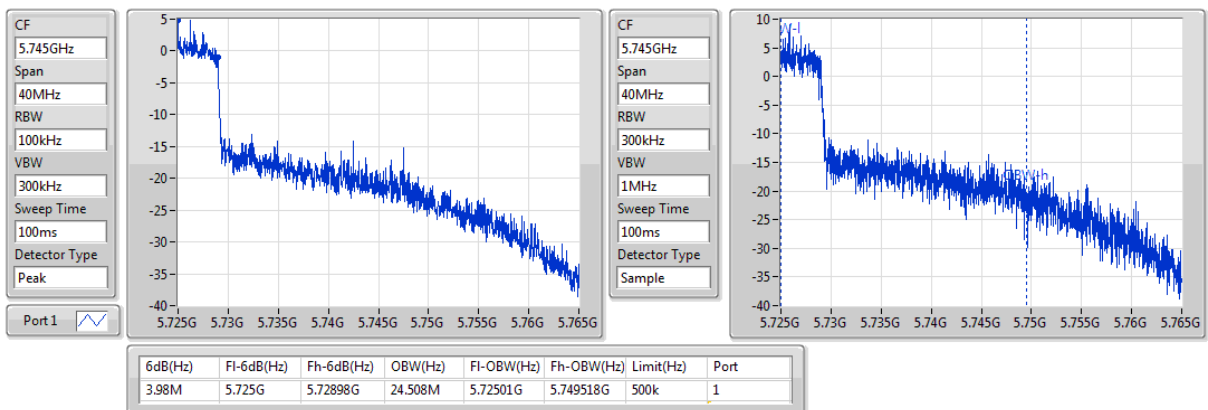


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

28/02/2019

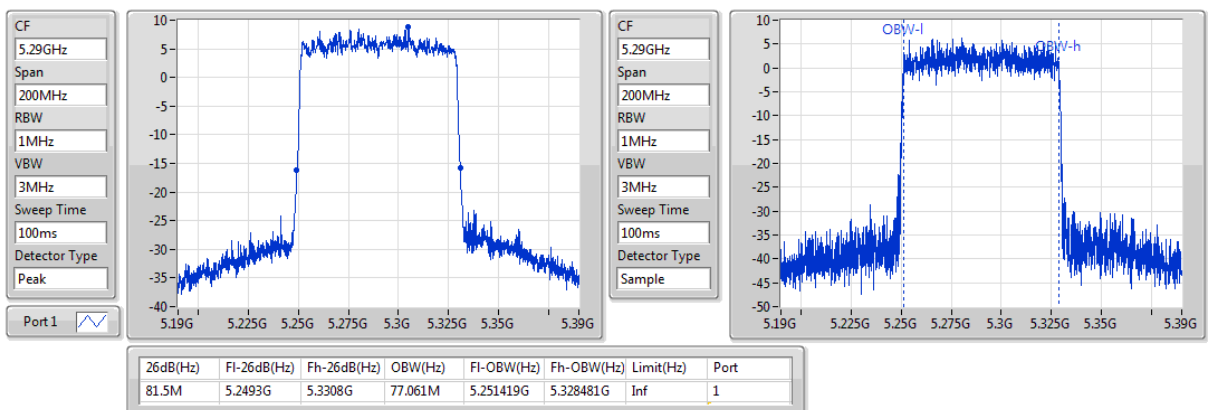


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

28/02/2019

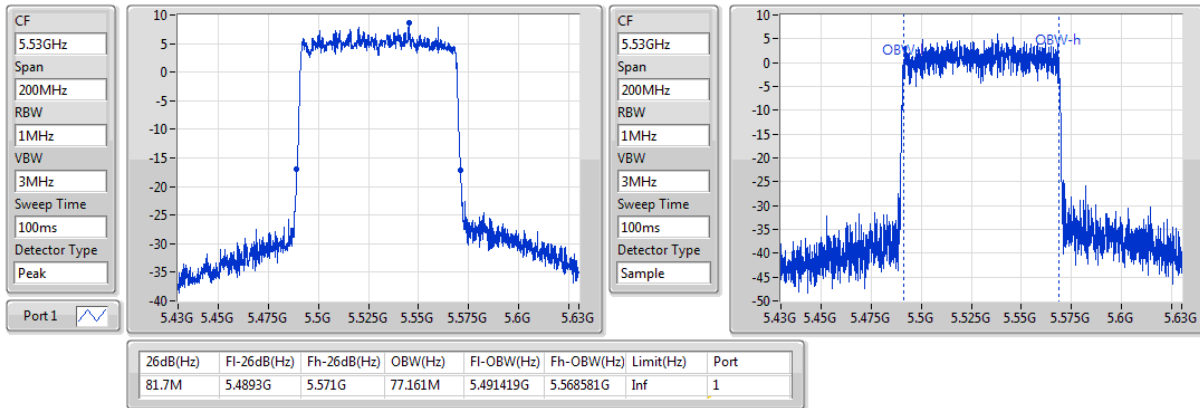


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

28/02/2019

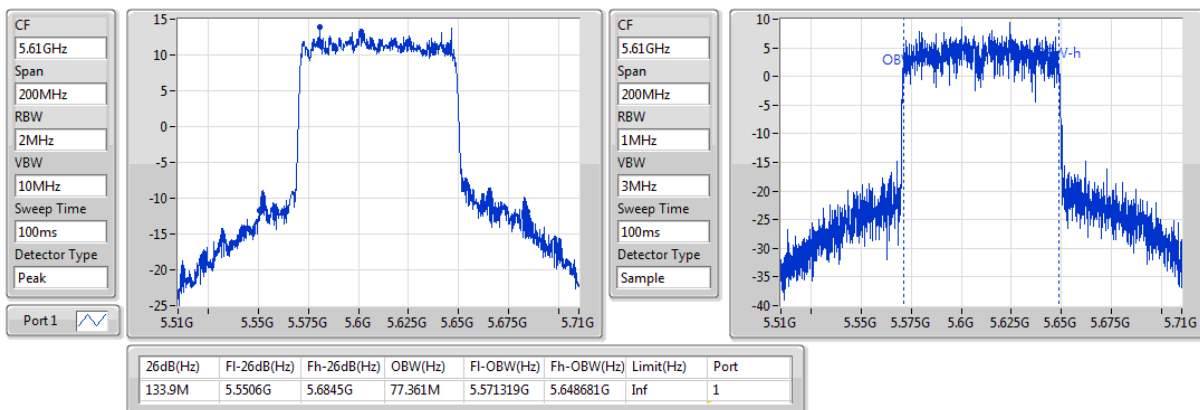


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

28/02/2019

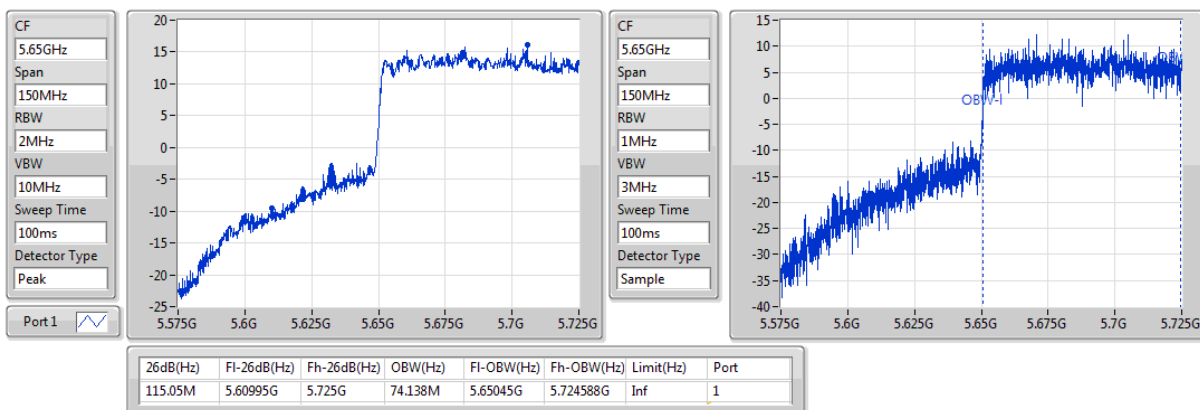


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

28/02/2019

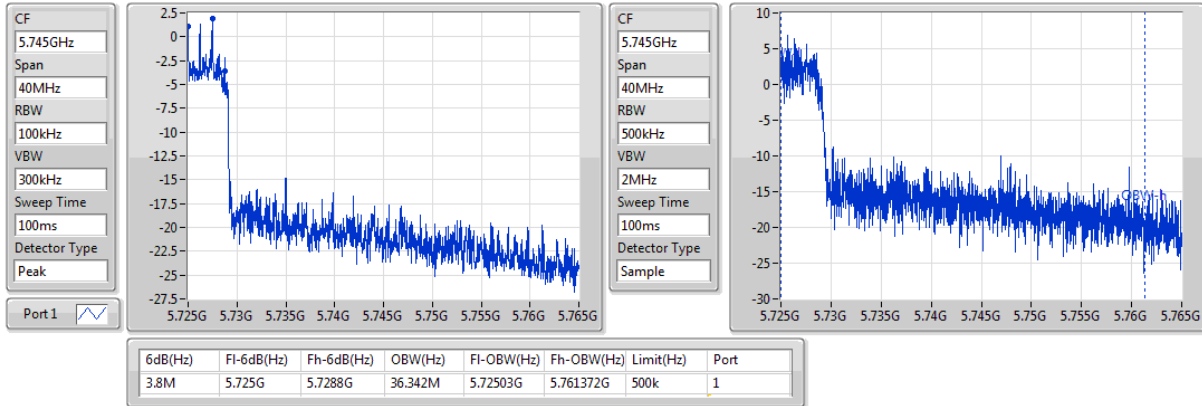


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

28/02/2019

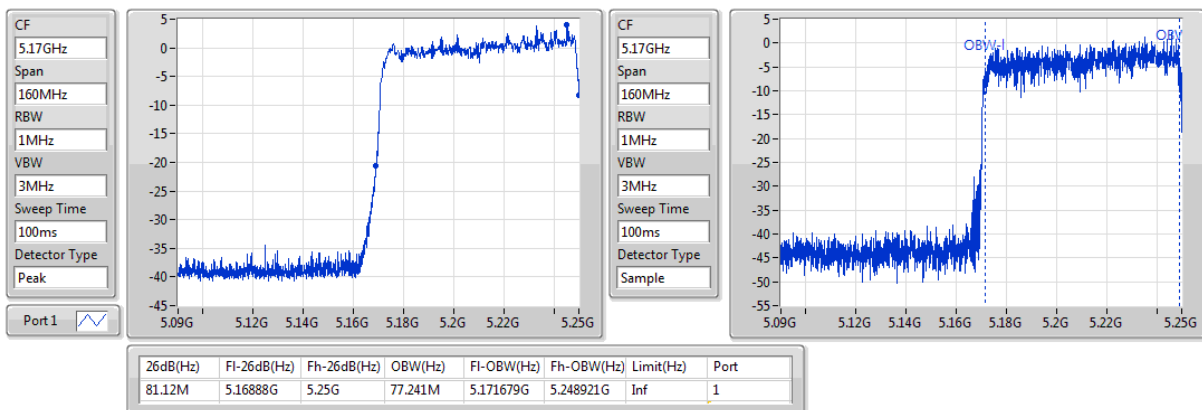


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

28/02/2019

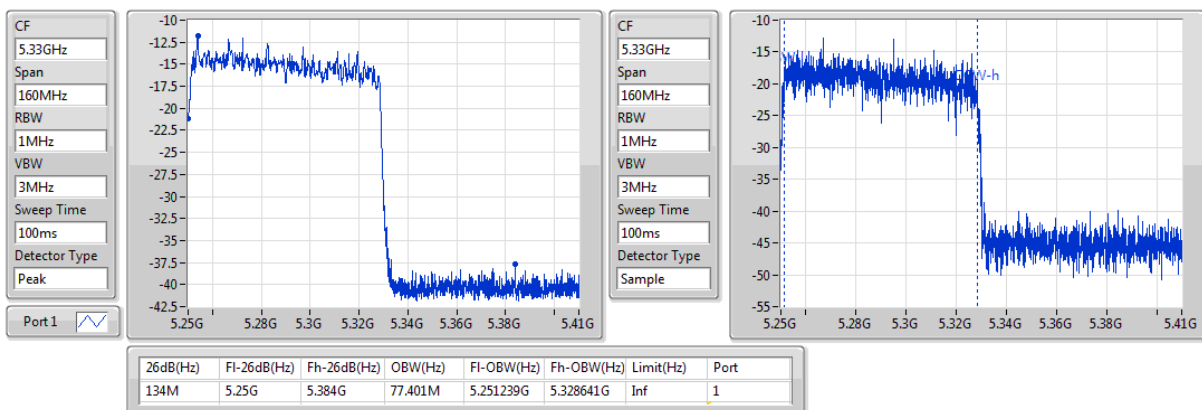


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

28/02/2019

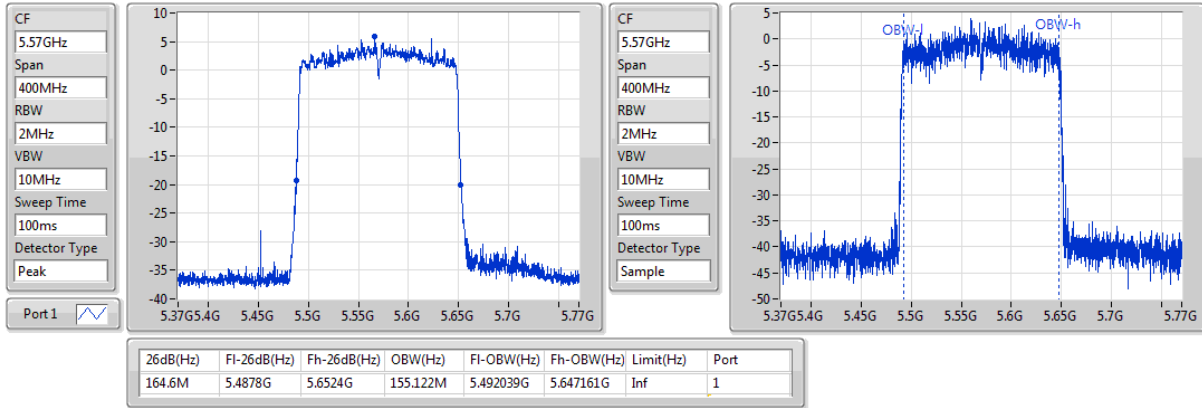


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5570MHz

28/02/2019



**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	77.241M	77M2D1D	81.28M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.675M	18.966M	19M0D1D	21.525M	18.916M
802.11ax HEW40_Nss2,(MCS0)_2TX	73.85M	37.631M	37M6D1D	39.95M	37.481M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.7M	76.962M	77M0D1D	81.2M	76.862M
802.11ax HEW160_Nss2,(MCS0)_2TX	81.2M	77.001M	77M0D1D	80.56M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	30.7M	18.991M	19M0D1D	15.69M	14.468M
802.11ax HEW40_Nss2,(MCS0)_2TX	74.4M	37.731M	37M7D1D	39.95M	33.688M
802.11ax HEW80_Nss2,(MCS0)_2TX	94.575M	77.161M	77M2D1D	81.5M	73.163M
802.11ax HEW160_Nss2,(MCS0)_2TX	165.2M	155.322M	155MD1D	164.2M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	4.48M	4.698M	4M70D1D	4.46M	4.558M
802.11ax HEW40_Nss2,(MCS0)_2TX	3.74M	19.85M	19M8D1D	3.5M	18.651M
802.11ax HEW80_Nss2,(MCS0)_2TX	3.78M	28.406M	28M4D1D	3.74M	28.146M

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 1

Appendix A.12

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	22.125M	18.941M	23.675M	18.966M
5300MHz	Pass	Inf	21.875M	18.916M	23.475M	18.966M
5320MHz	Pass	Inf	22.025M	18.941M	21.525M	18.916M
5500MHz	Pass	Inf	21.85M	18.966M	21.4M	18.941M
5580MHz	Pass	Inf	30.7M	18.991M	25M	18.991M
5700MHz	Pass	Inf	21.825M	18.966M	21.45M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.23M	14.468M	15.69M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.558M	4.46M	4.698M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	52.95M	37.581M	73.85M	37.631M
5310MHz	Pass	Inf	39.95M	37.631M	40.05M	37.481M
5510MHz	Pass	Inf	40M	37.581M	40.05M	37.581M
5550MHz	Pass	Inf	63.4M	37.731M	74.4M	37.681M
5670MHz	Pass	Inf	39.95M	37.631M	40.1M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	52.535M	33.688M	52.745M	33.793M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	18.651M	3.5M	19.85M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.7M	76.962M	81.2M	76.862M
5530MHz	Pass	Inf	81.6M	76.962M	81.5M	77.061M
5610MHz	Pass	Inf	94.4M	77.061M	91.8M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	92.625M	73.163M	94.575M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	28.406M	3.74M	28.146M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.28M	77.081M	81.84M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.001M	80.56M	77.001M
5570MHz	Pass	Inf	165.2M	154.723M	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

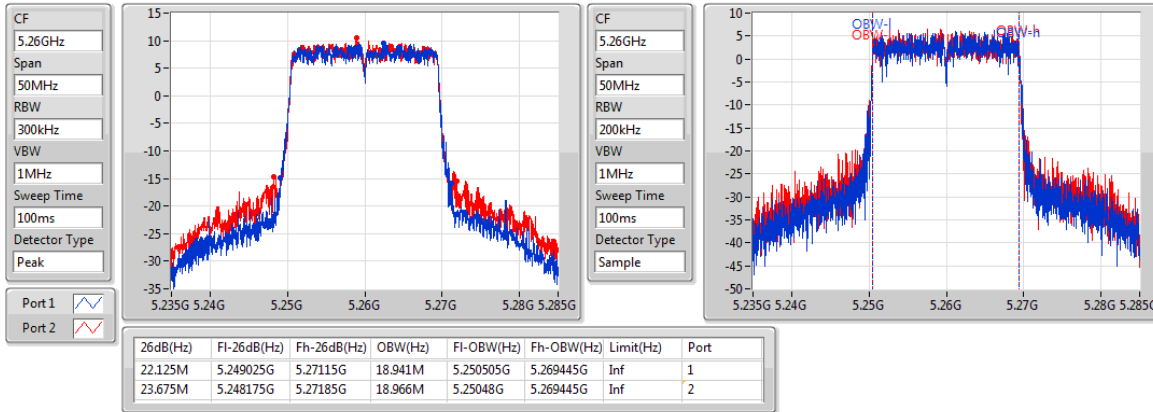
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

28/02/2019

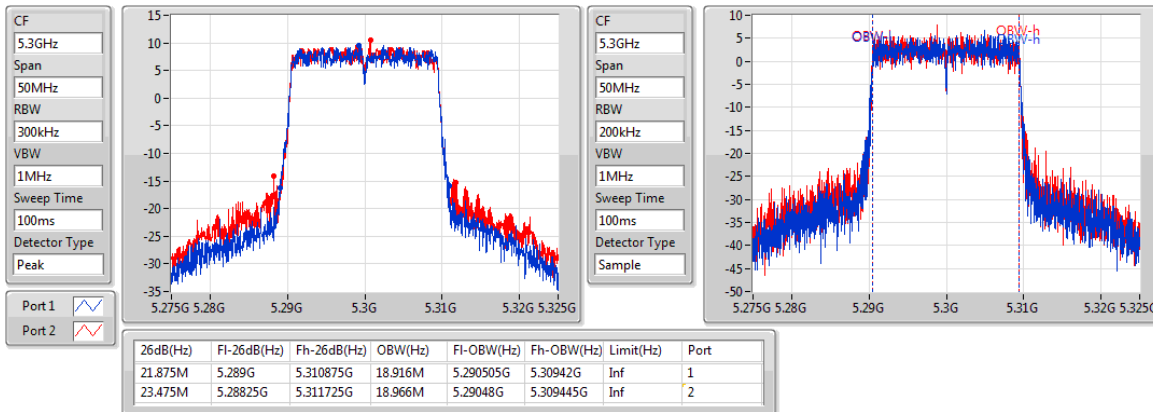


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5300MHz

28/02/2019

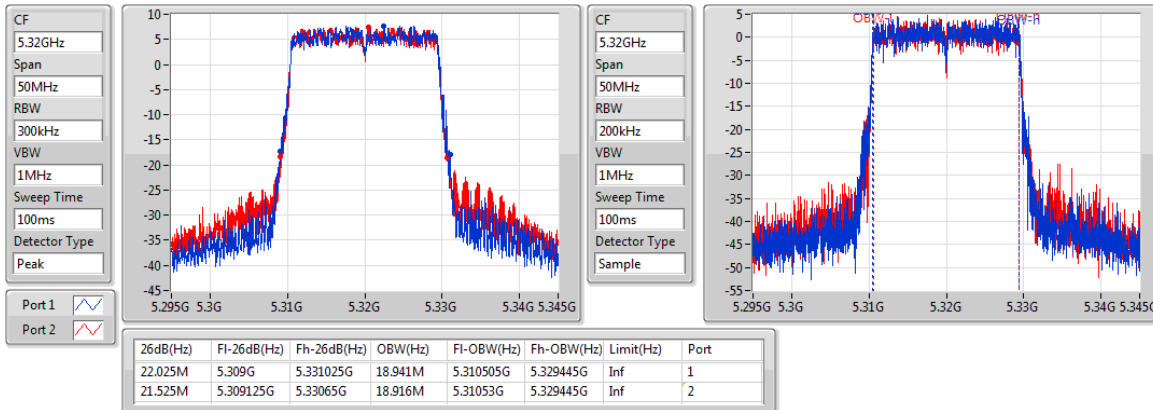


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5320MHz

28/02/2019

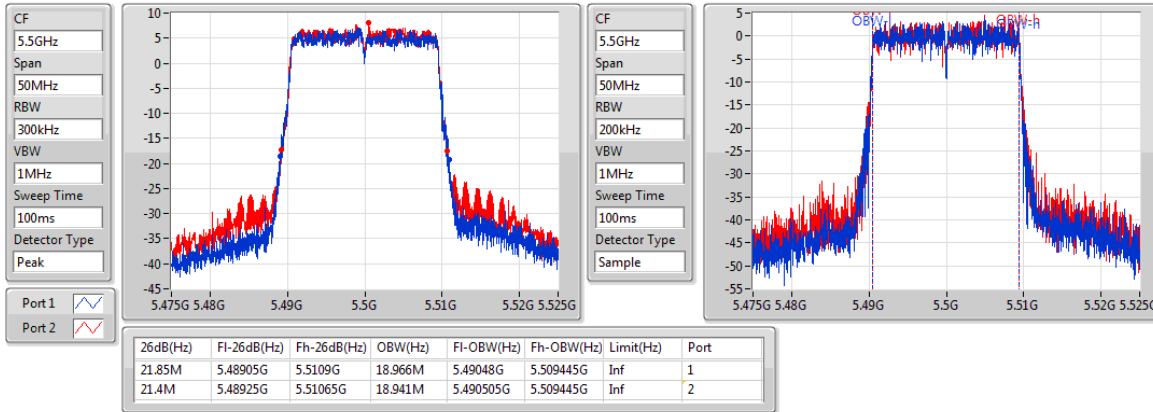


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5500MHz

28/02/2019

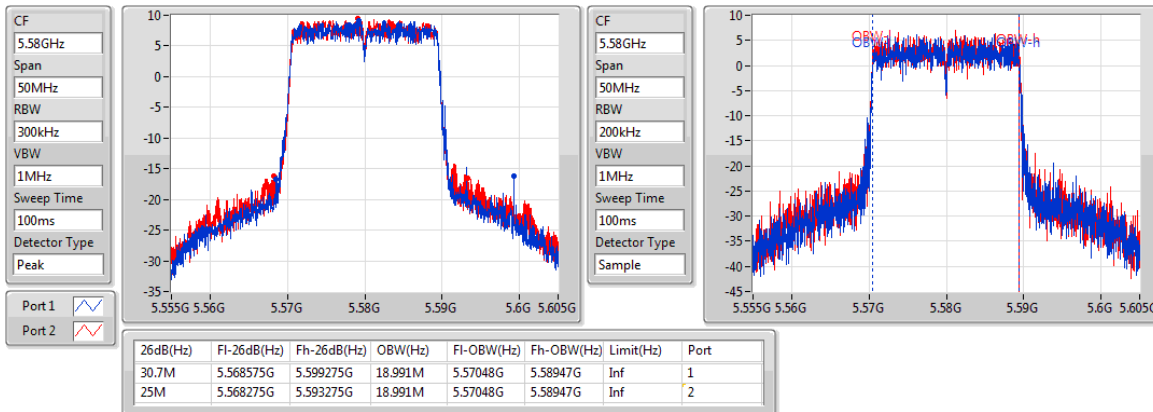


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

28/02/2019

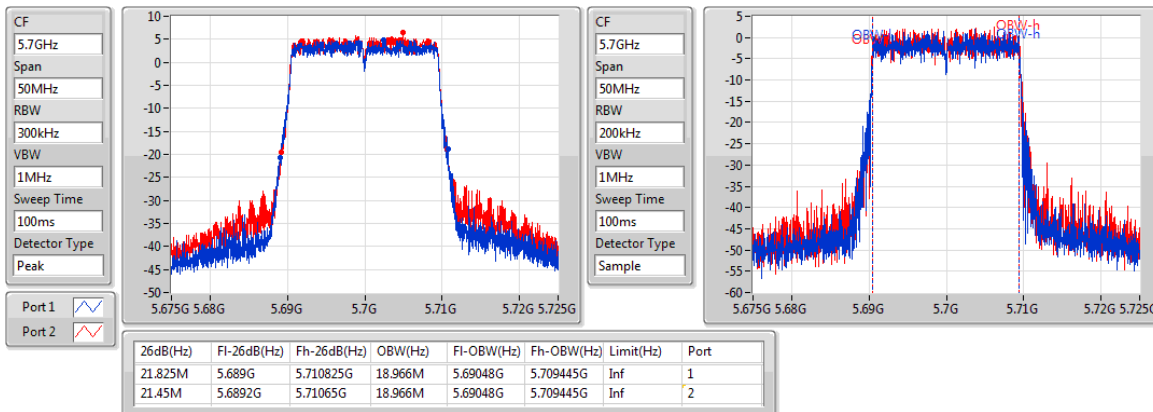


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

28/02/2019

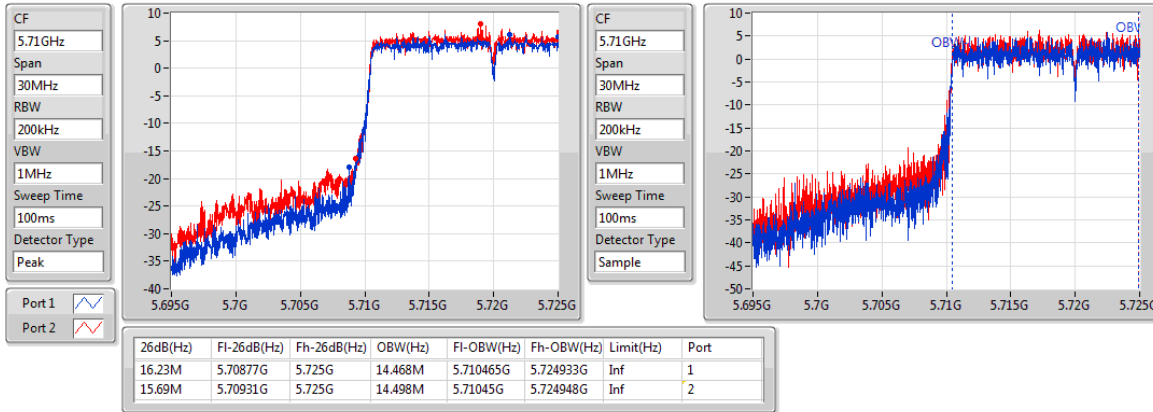


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

28/02/2019

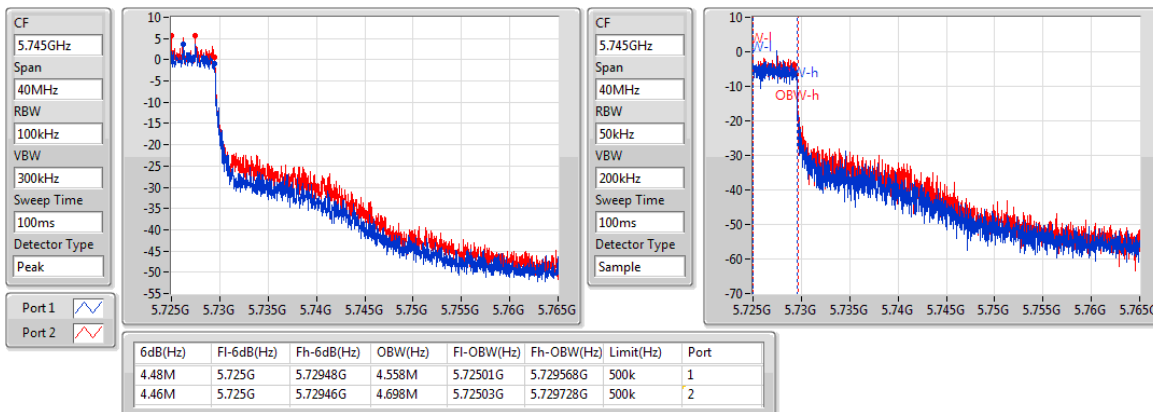


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/02/2019

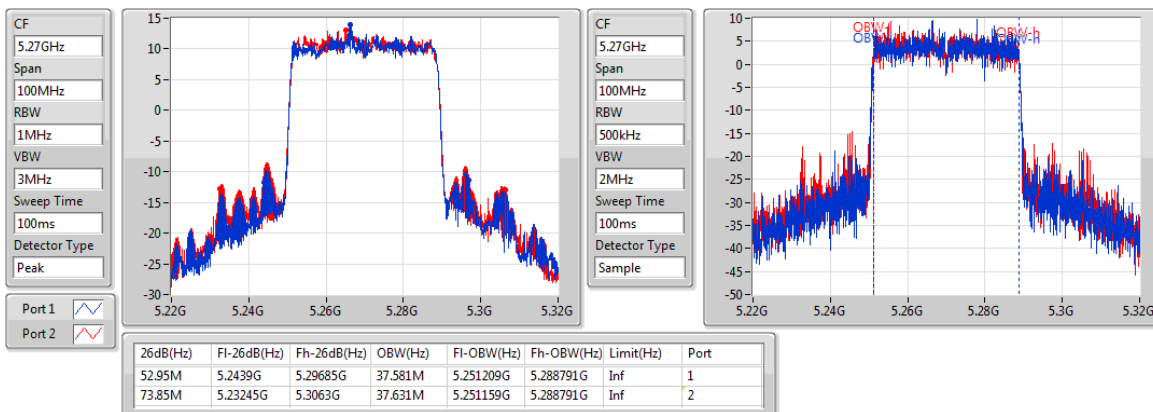


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5270MHz

28/02/2019

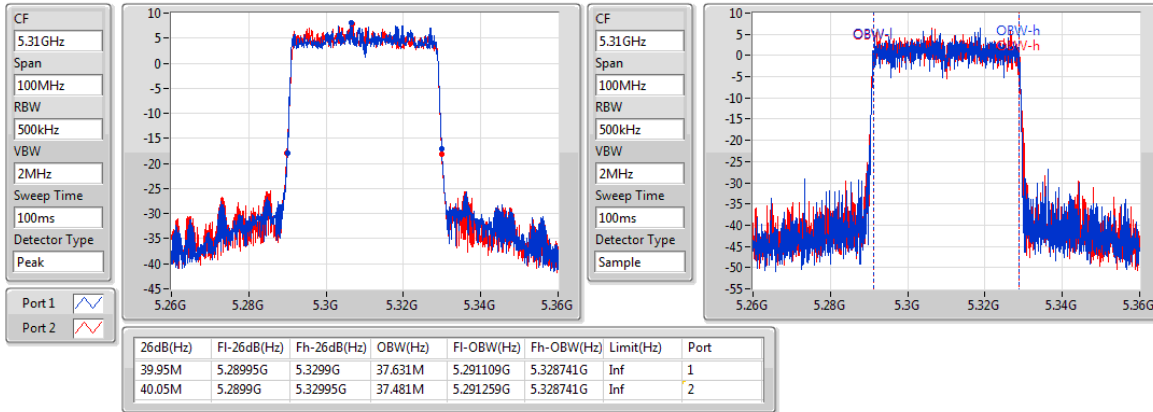


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

28/02/2019

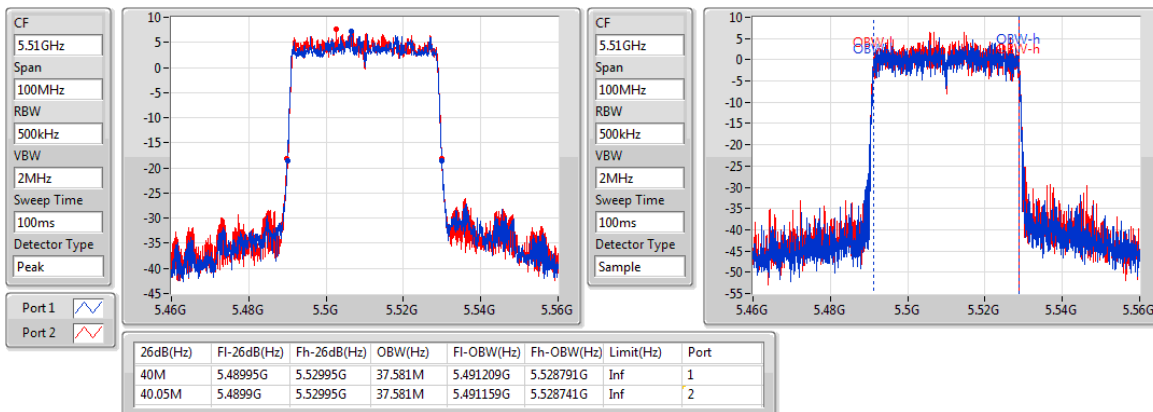


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5510MHz

28/02/2019

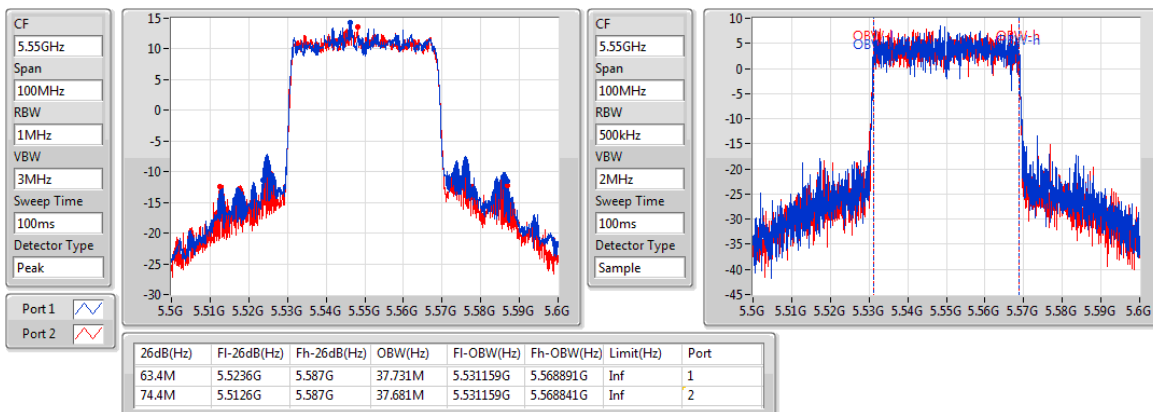


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5550MHz

28/02/2019

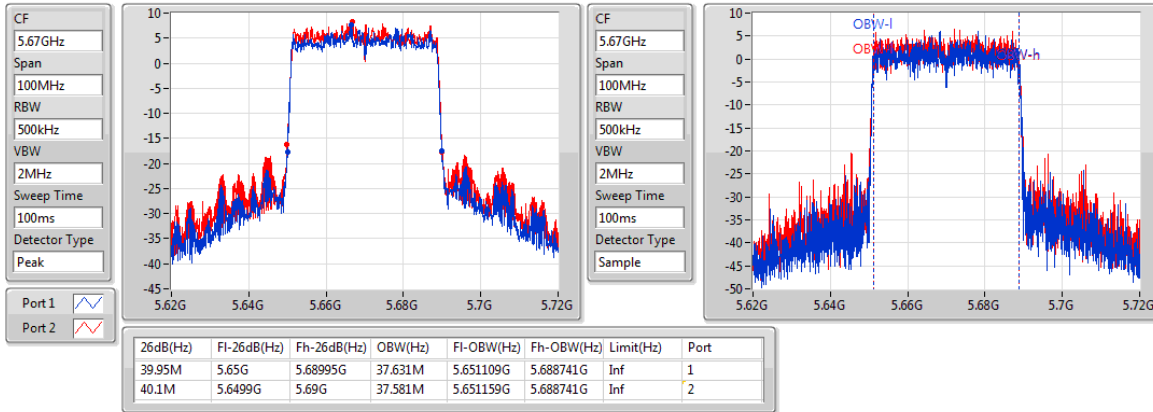


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5670MHz

28/02/2019

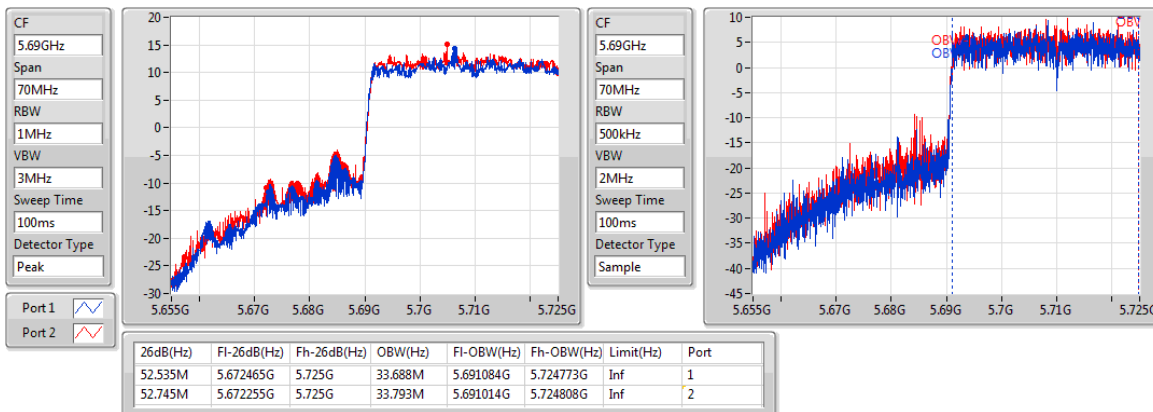


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

28/02/2019

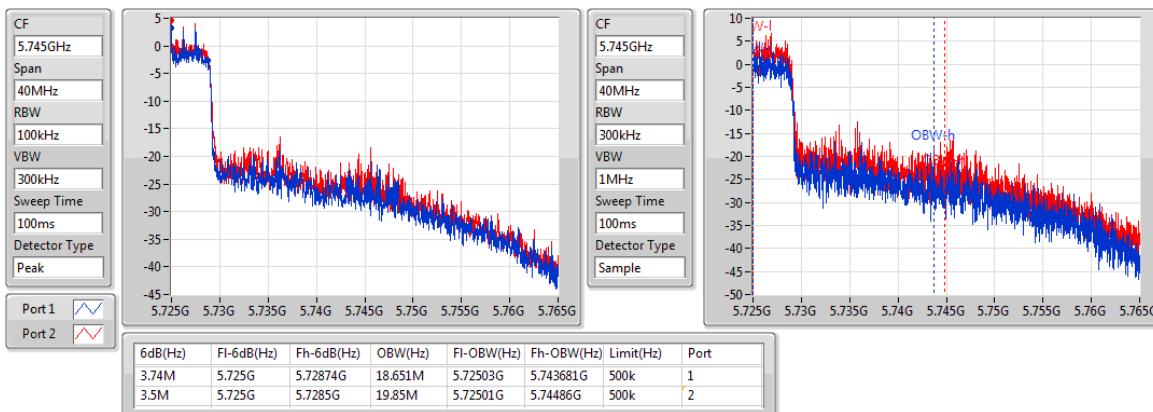


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

28/02/2019

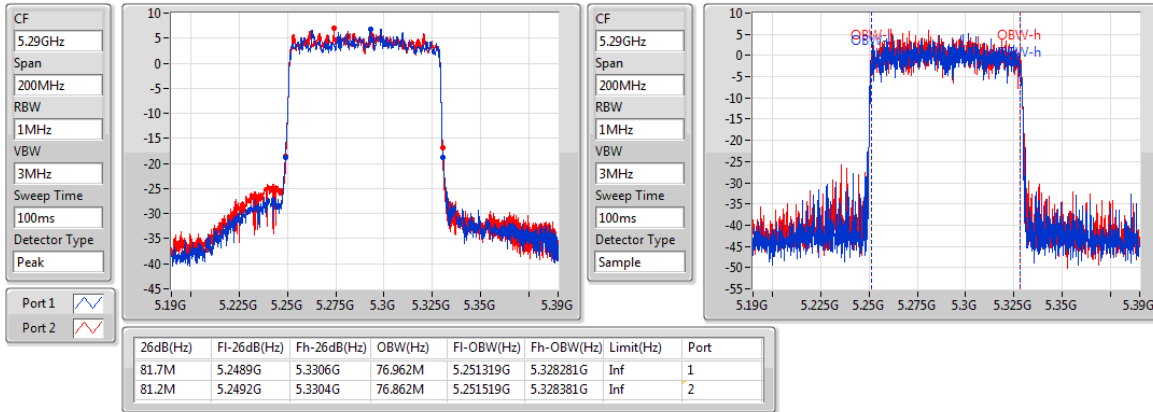


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5290MHz

28/02/2019

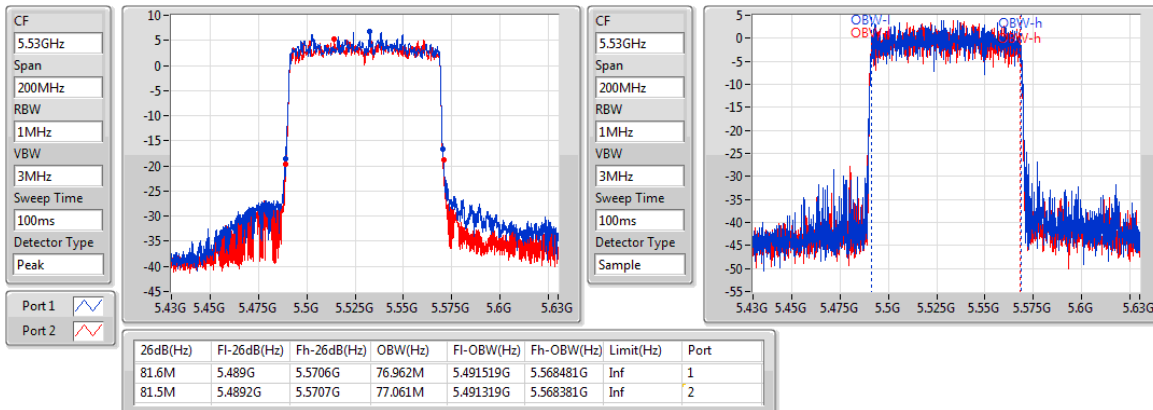


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5530MHz

28/02/2019

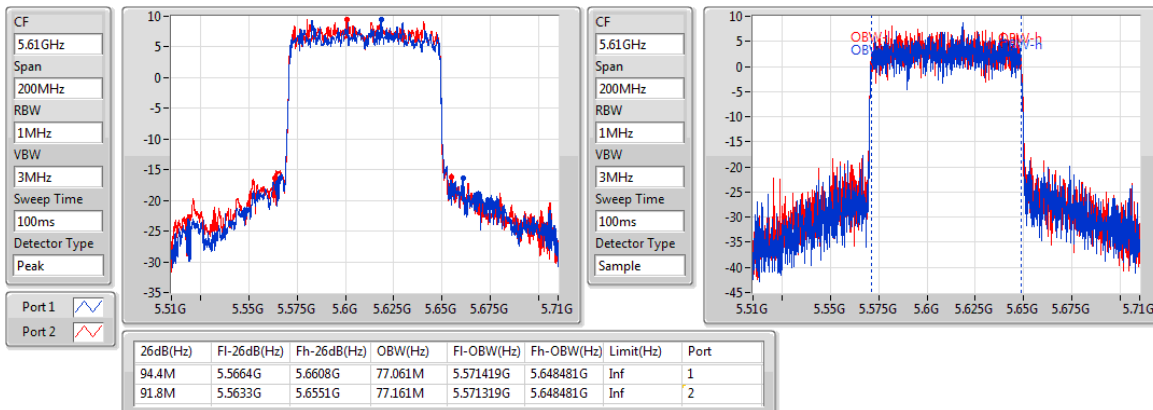


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5610MHz

28/02/2019

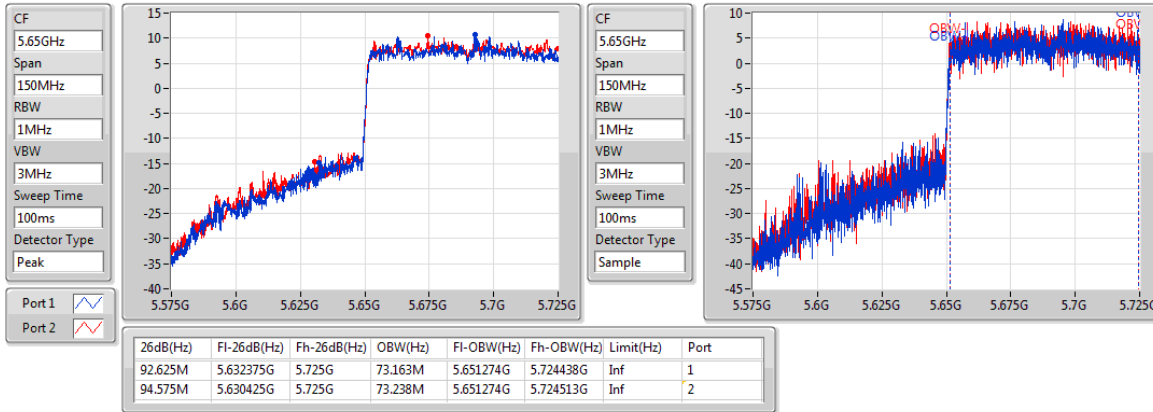


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

28/02/2019

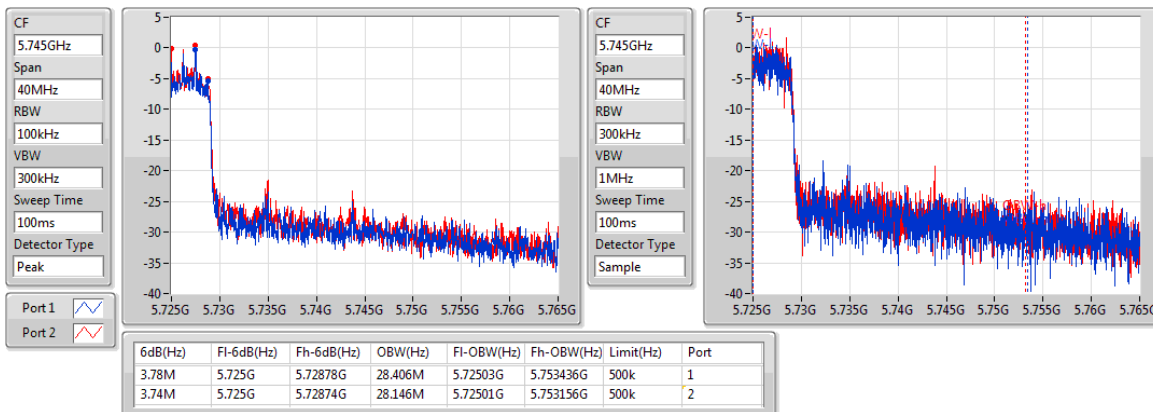


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

28/02/2019

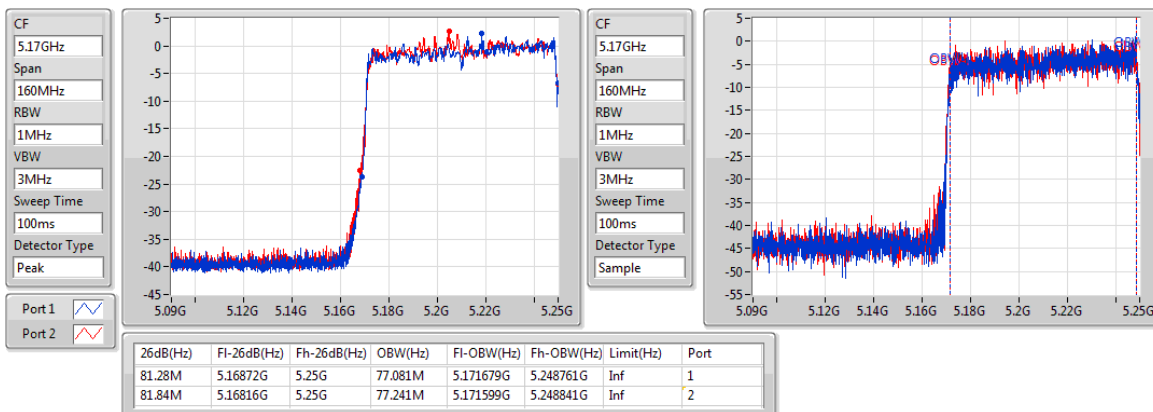


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

28/02/2019

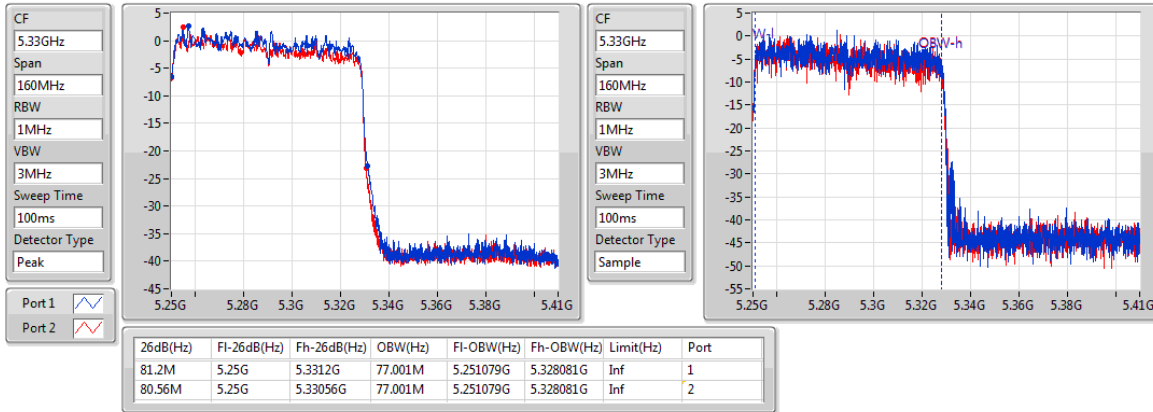


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

28/02/2019

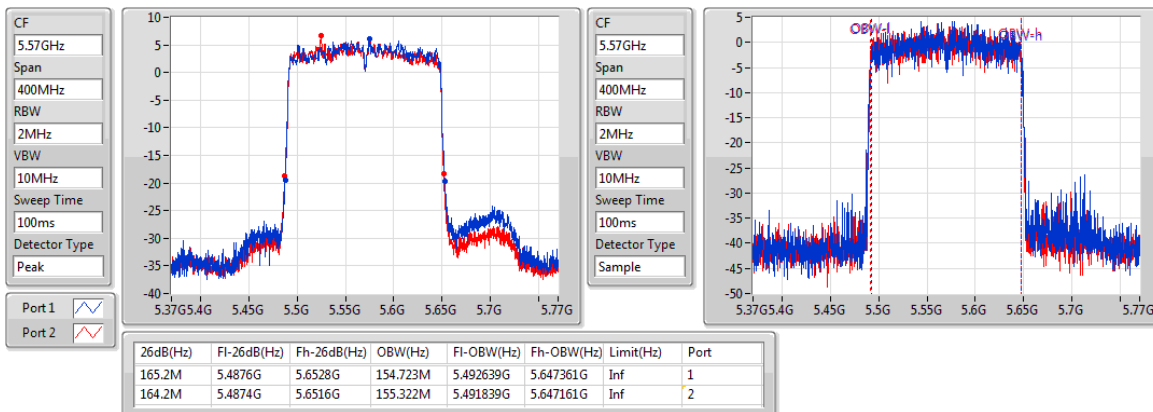


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz

28/02/2019



**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	77.241M	77M2D1D	80.64M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.675M	16.642M	16M6D1D	21.475M	16.542M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.975M	18.991M	19M0D1D	21.425M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.581M	37M6D1D	39.9M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.6M	77.261M	77M3D1D	81.4M	77.061M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.36M	77.161M	77M2D1D	80.72M	76.922M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.675M	16.617M	16M6D1D	15.615M	13.298M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.975M	18.991M	19M0D1D	15.675M	14.453M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.581M	37M6D1D	35M	33.583M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.8M	77.161M	77M2D1D	75.45M	72.939M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.8M	155.922M	156MD1D	163.6M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.16M	3.958M	3M96D1D	3.14M	3.858M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.52M	4.558M	4M56D1D	4.48M	4.518M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.98M	4.038M	4M04D1D	3.78M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.78M	4.378M	4M38D1D	3.48M	4.058M

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	21.5M	16.617M	21.55M	16.617M	21.575M	16.642M	21.475M	16.542M
5300MHz	Pass	Inf	21.525M	16.567M	21.65M	16.567M	21.525M	16.592M	21.625M	16.542M
5320MHz	Pass	Inf	21.475M	16.542M	21.675M	16.617M	21.675M	16.592M	21.55M	16.567M
5500MHz	Pass	Inf	21.45M	16.617M	21.675M	16.617M	21.675M	16.592M	21.45M	16.567M
5580MHz	Pass	Inf	21.525M	16.567M	21.575M	16.567M	21.65M	16.592M	21.575M	16.542M
5700MHz	Pass	Inf	21.5M	16.542M	21.6M	16.567M	21.65M	16.617M	21.45M	16.567M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.66M	13.328M	15.645M	13.298M	15.615M	13.298M	15.615M	13.343M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.918M	3.16M	3.958M	3.14M	3.858M	3.14M	3.958M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	18.941M	21.65M	18.966M	21.775M	18.941M	21.475M	18.966M
5300MHz	Pass	Inf	21.7M	18.966M	21.625M	18.941M	21.8M	18.991M	21.5M	18.941M
5320MHz	Pass	Inf	21.725M	18.966M	21.625M	18.966M	21.975M	18.991M	21.425M	18.966M
5500MHz	Pass	Inf	21.725M	18.966M	21.675M	18.991M	21.975M	18.966M	21.425M	18.941M
5580MHz	Pass	Inf	21.7M	18.966M	21.725M	18.991M	21.875M	18.966M	21.325M	18.966M
5700MHz	Pass	Inf	21.85M	18.941M	21.675M	18.941M	21.9M	18.941M	21.4M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.825M	14.483M	15.78M	14.468M	15.855M	14.468M	15.675M	14.453M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.558M	4.52M	4.518M	4.52M	4.558M	4.52M	4.538M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.9M	37.531M	40.05M	37.481M	40.1M	37.581M	40.15M	37.531M
5310MHz	Pass	Inf	39.95M	37.531M	40.2M	37.531M	39.9M	37.531M	40.2M	37.581M
5510MHz	Pass	Inf	39.95M	37.481M	40.15M	37.581M	40.1M	37.581M	40M	37.531M
5550MHz	Pass	Inf	39.95M	37.481M	40.05M	37.581M	40.1M	37.531M	40.15M	37.581M
5670MHz	Pass	Inf	40M	37.481M	40M	37.531M	40.05M	37.531M	40.2M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.618M	35.07M	33.653M	35.07M	33.653M	35M	33.583M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.038M	3.78M	4.018M	3.84M	4.018M	3.9M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.4M	77.261M	81.6M	77.061M	81.6M	77.061M	81.6M	77.261M
5530MHz	Pass	Inf	81.6M	77.161M	81.1M	77.061M	81.5M	76.962M	81.6M	77.161M
5610MHz	Pass	Inf	81.7M	76.962M	81.3M	77.061M	81.4M	77.061M	81.8M	76.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.6M	73.238M	75.6M	73.238M	75.45M	72.939M	75.75M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.138M	3.7M	4.058M	3.76M	4.378M	3.48M	4.058M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.081M	80.96M	77.241M	80.64M	77.241M	80.8M	77.161M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.36M	77.001M	80.96M	76.922M	80.72M	76.922M	81.12M	77.161M
5570MHz	Pass	Inf	164.8M	155.722M	164.4M	155.922M	163.6M	154.723M	163.8M	155.122M

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

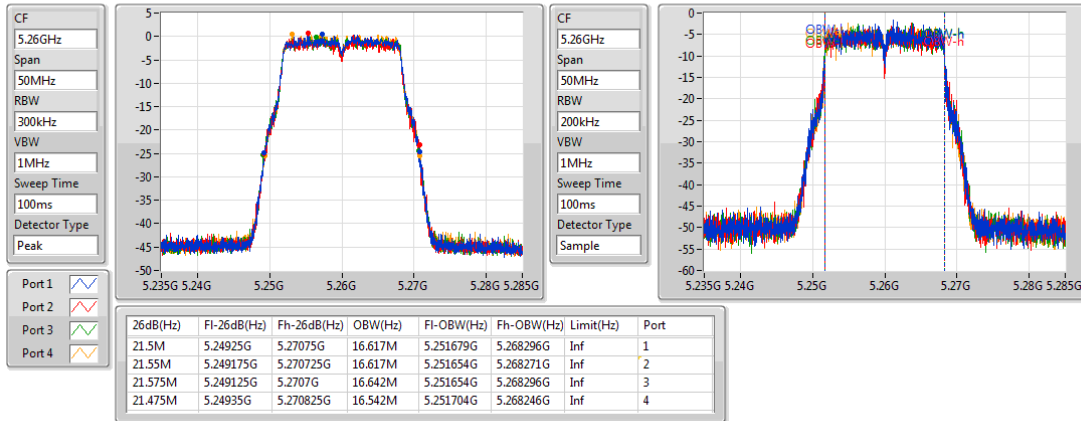
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

27/02/2019

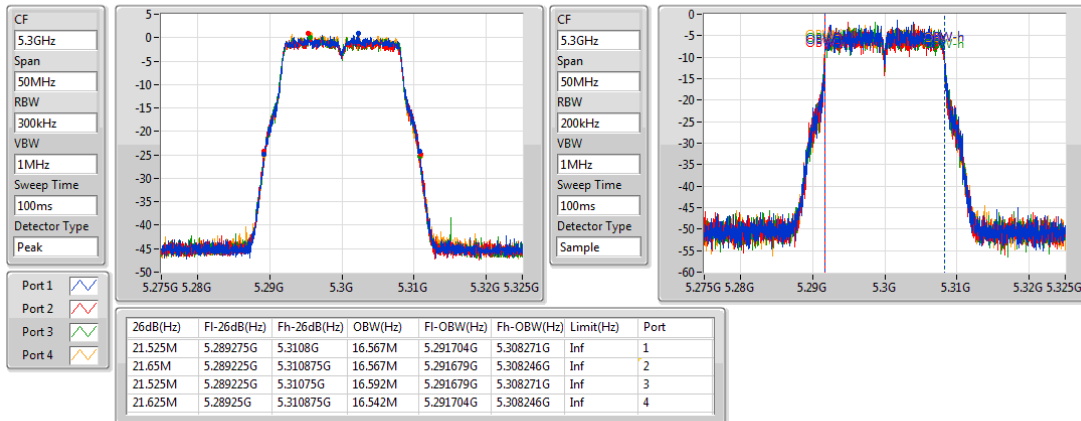


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

27/02/2019

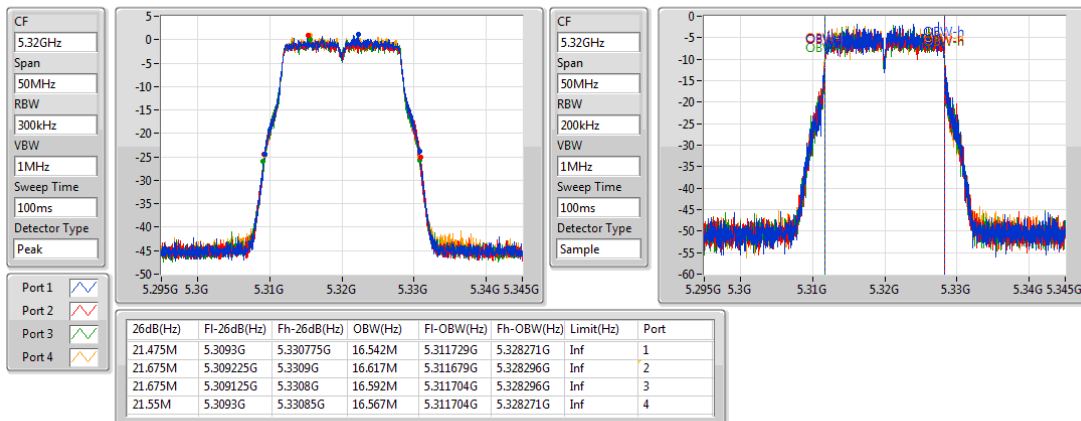


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

27/02/2019

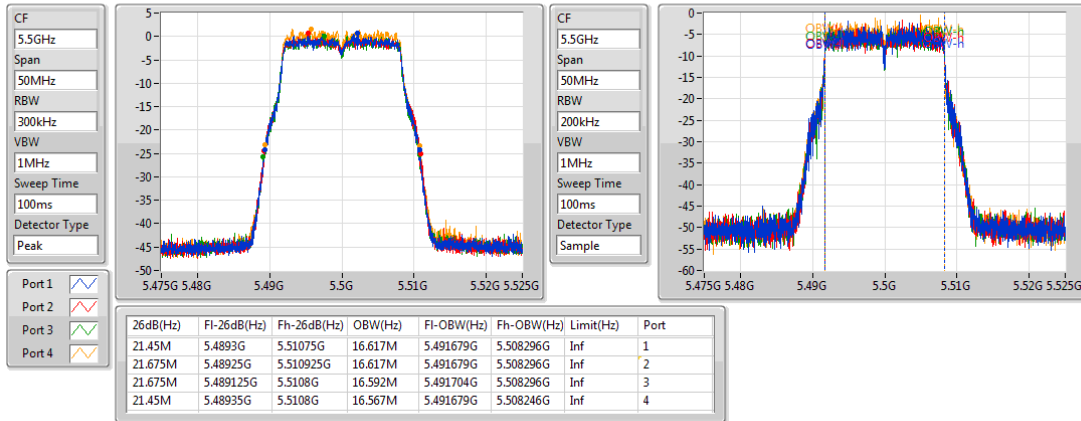


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

27/02/2019

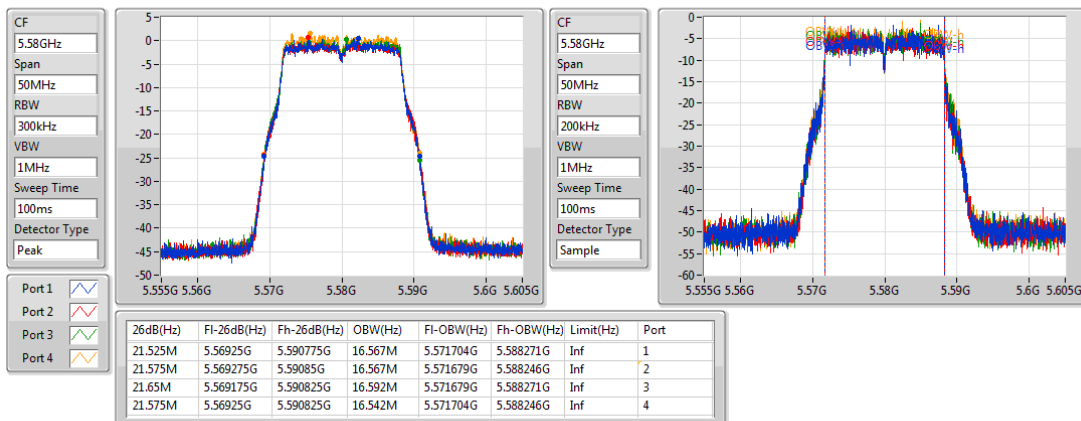


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

27/02/2019

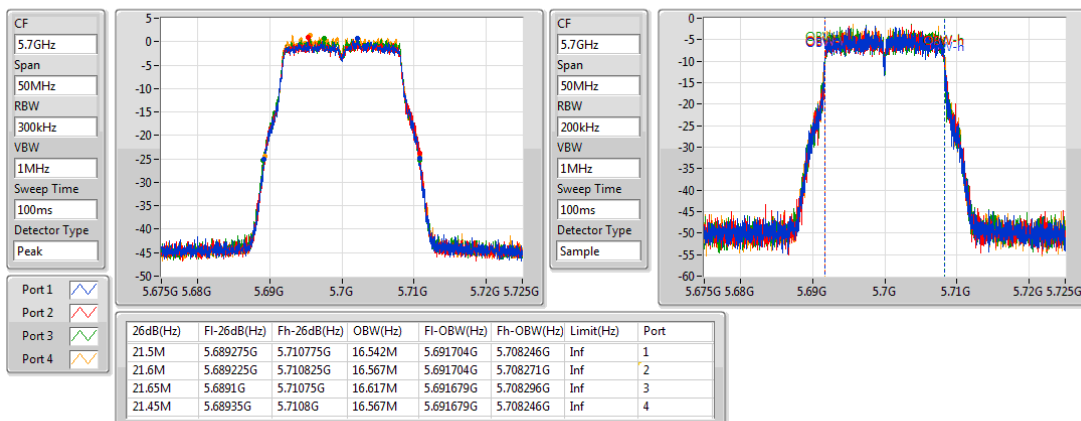


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

27/02/2019

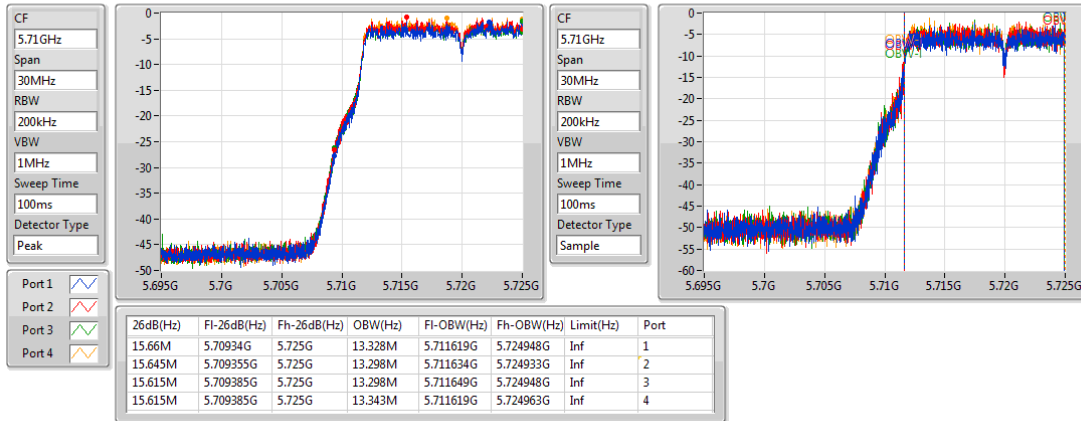


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

27/02/2019

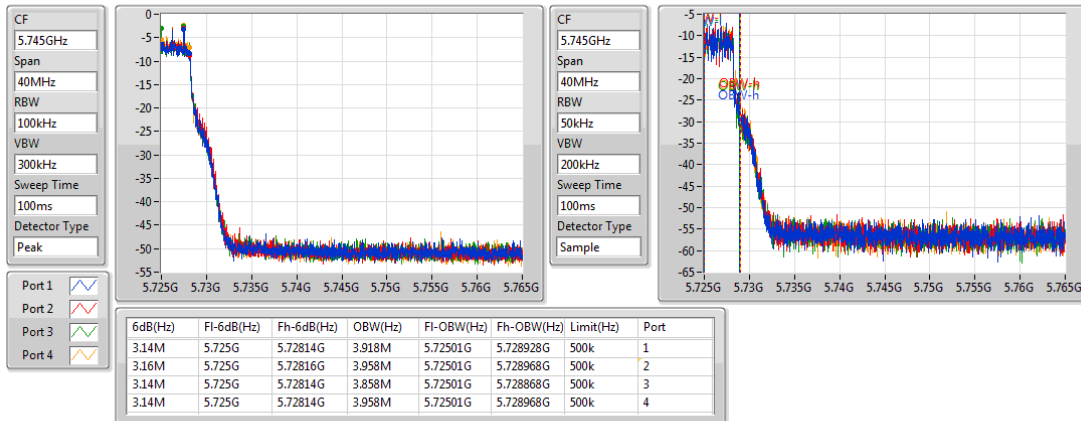


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

27/02/2019

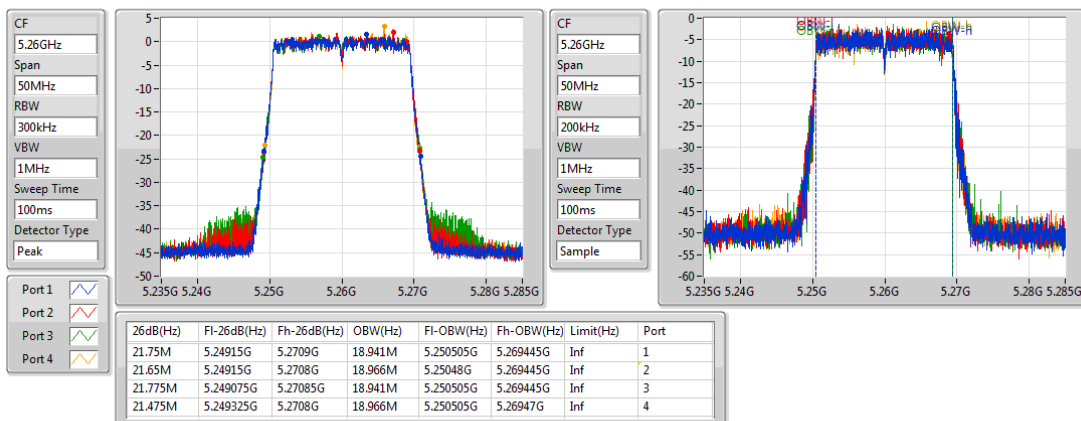


802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

27/02/2019

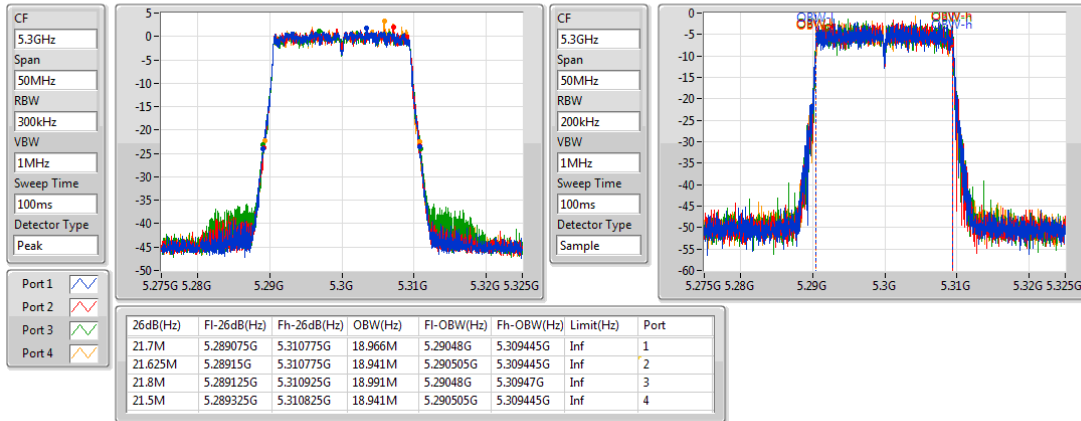


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

27/02/2019

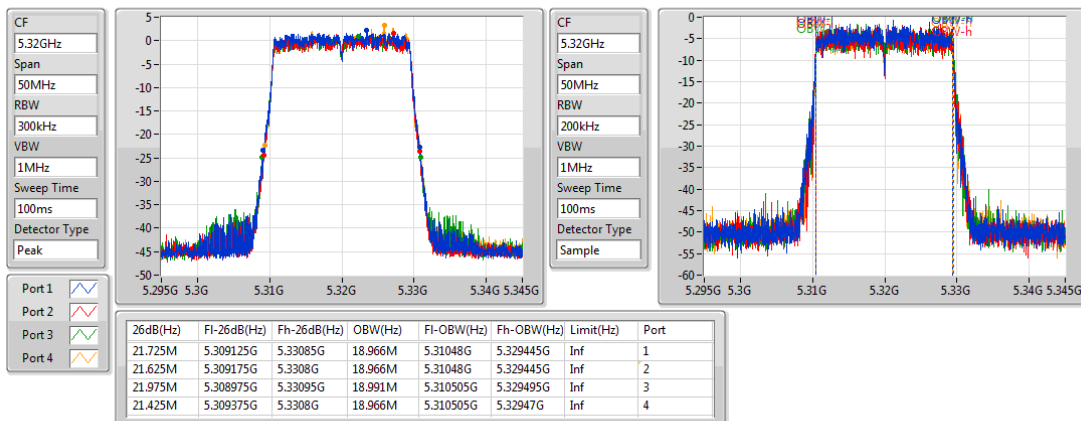


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

27/02/2019

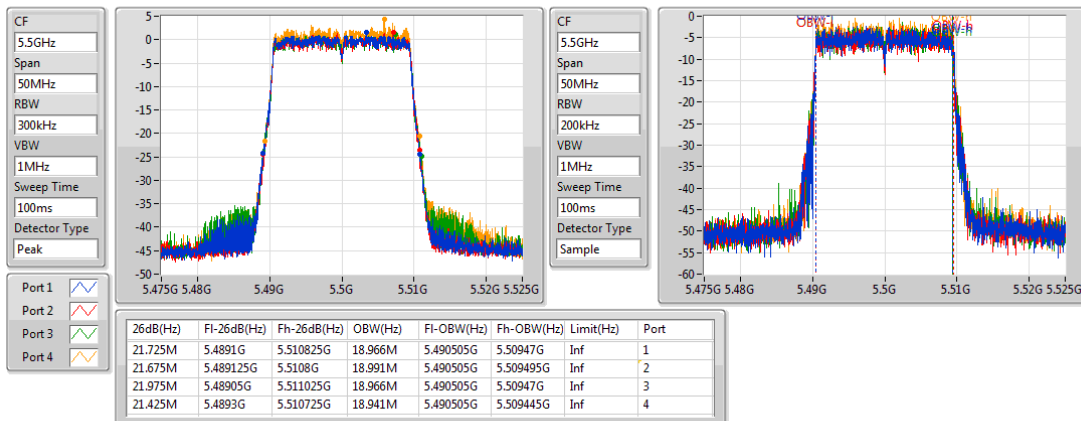


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

27/02/2019

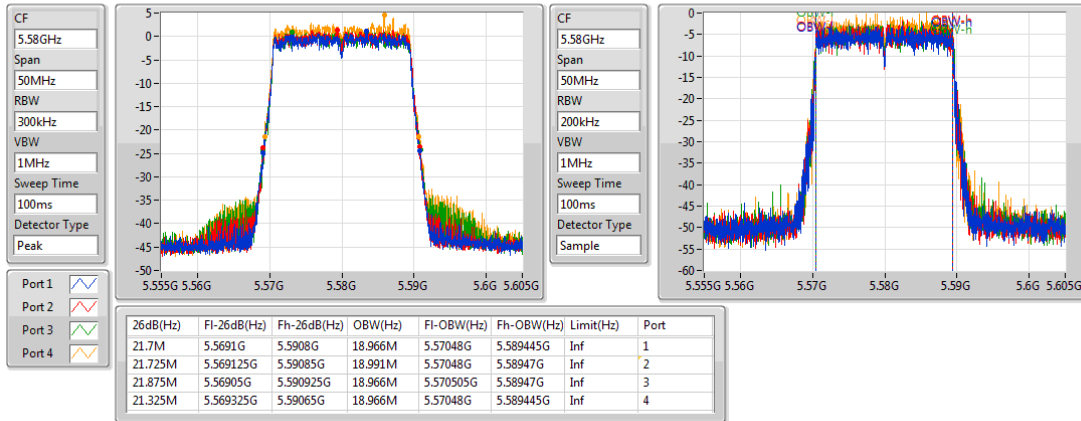


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

27/02/2019

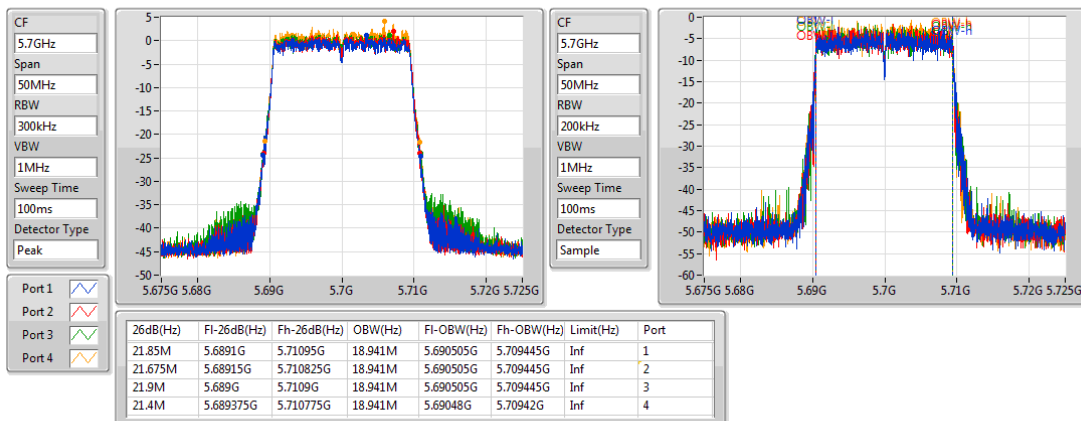


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

27/02/2019

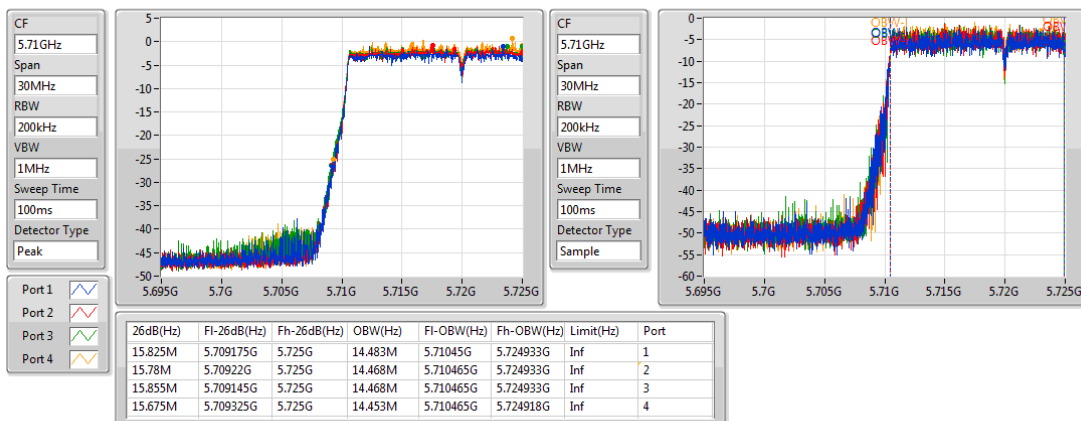


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

27/02/2019

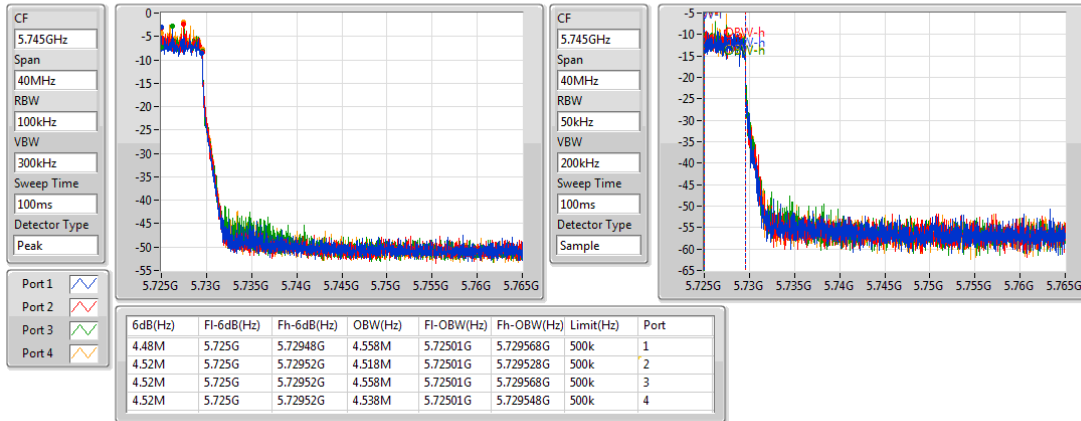


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

27/02/2019

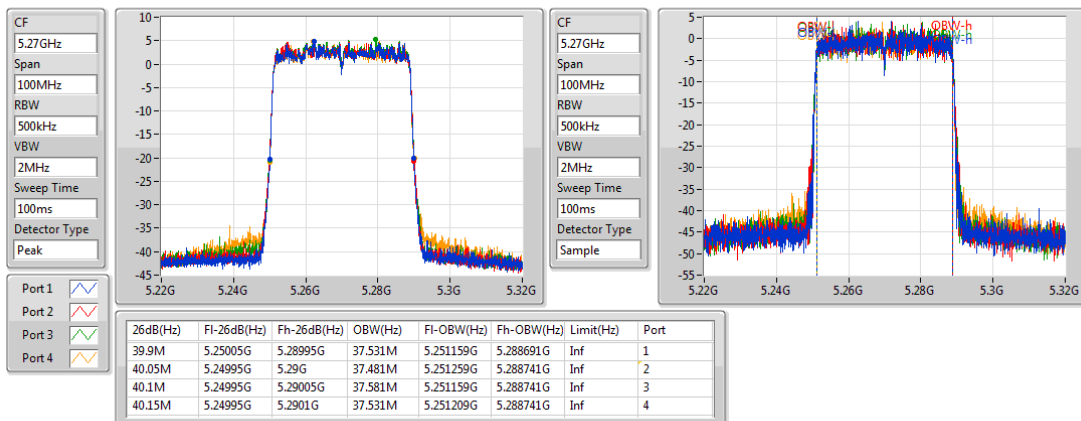


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

27/02/2019

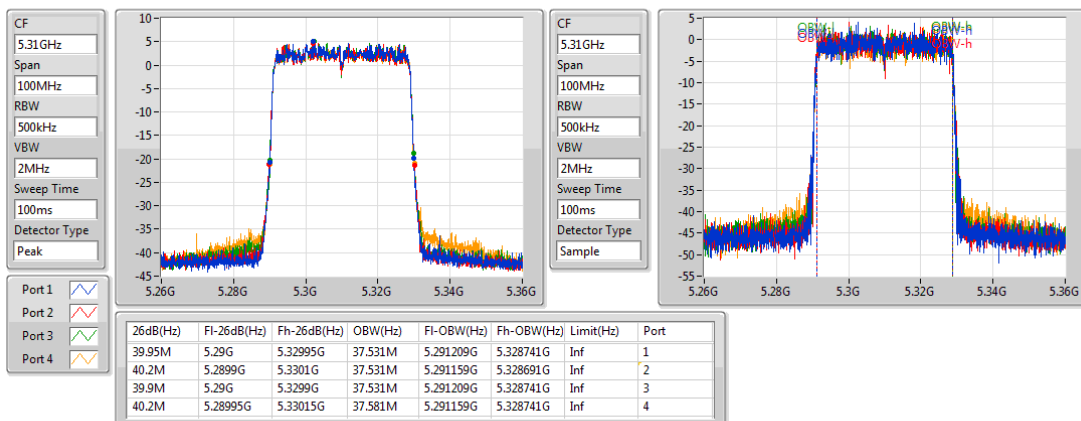


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

27/02/2019

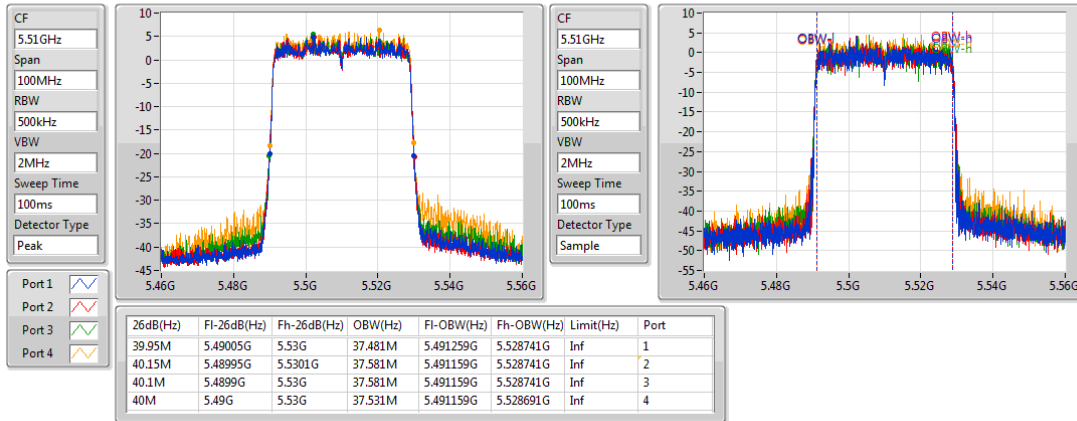


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

27/02/2019

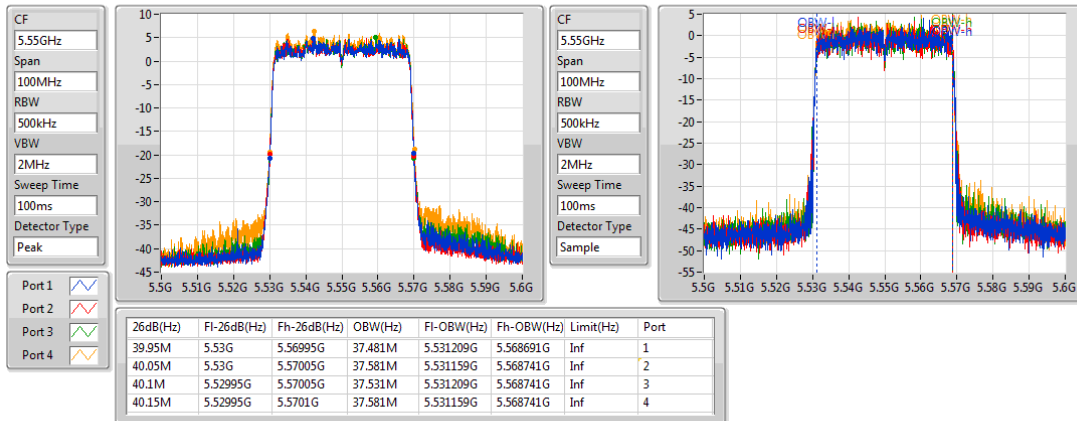


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

27/02/2019

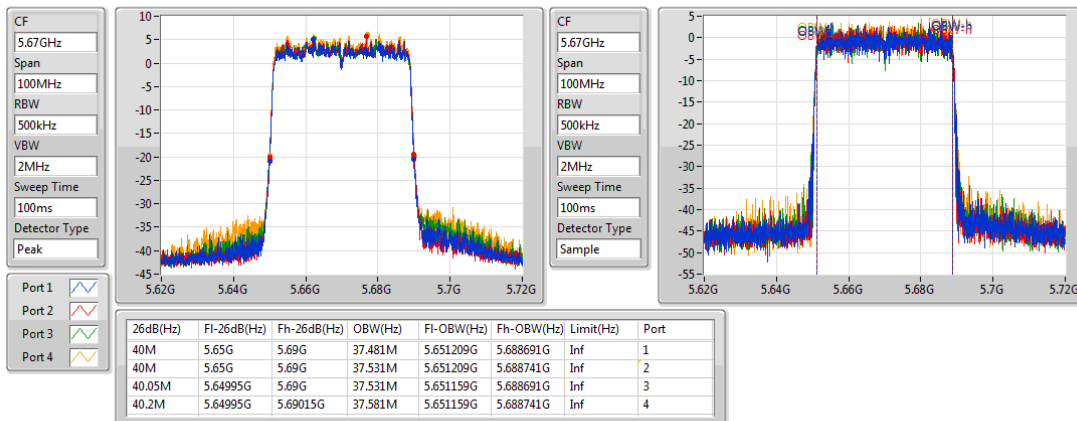


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

27/02/2019

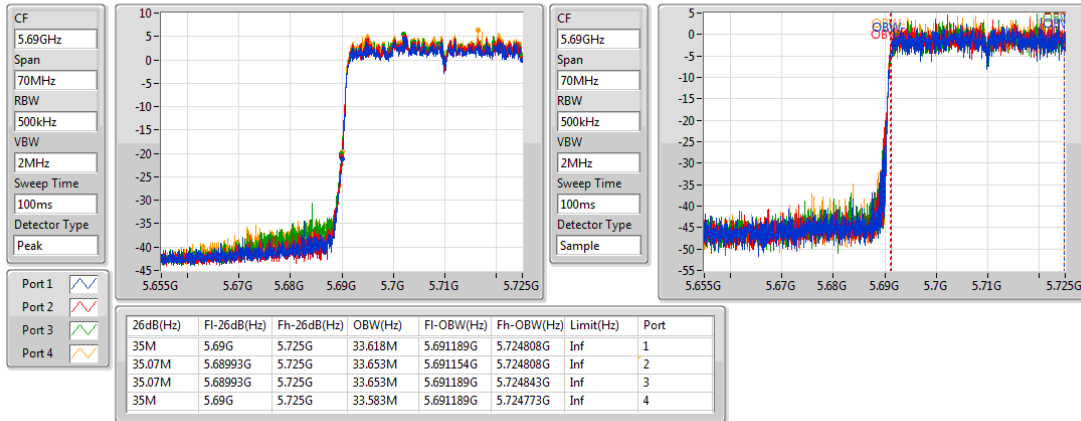


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

27/02/2019

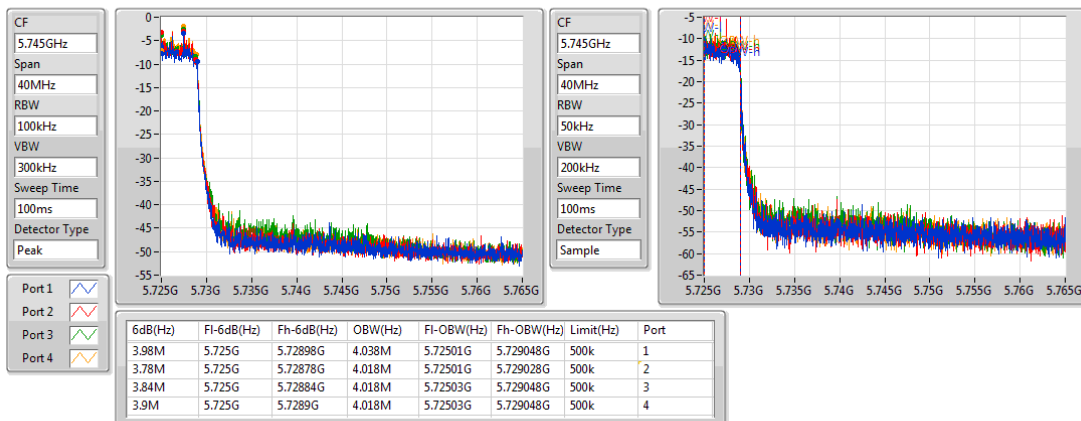


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

27/02/2019

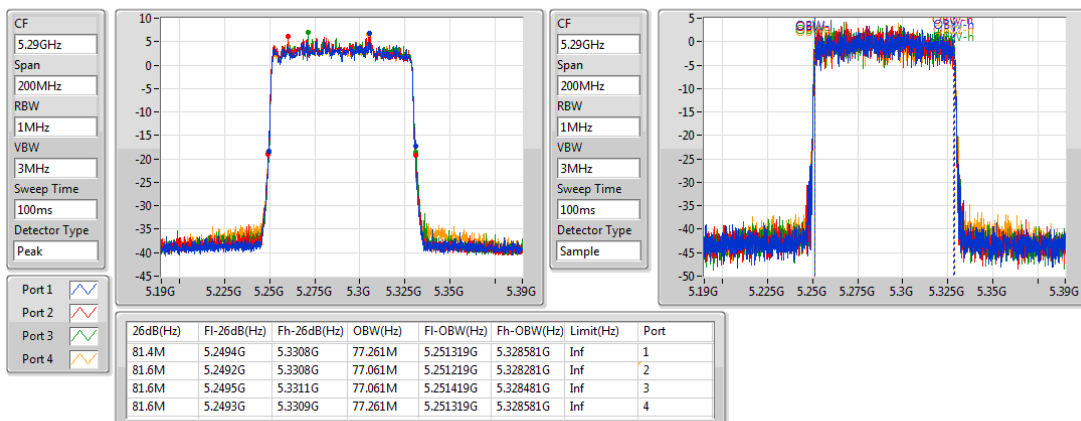


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

27/02/2019

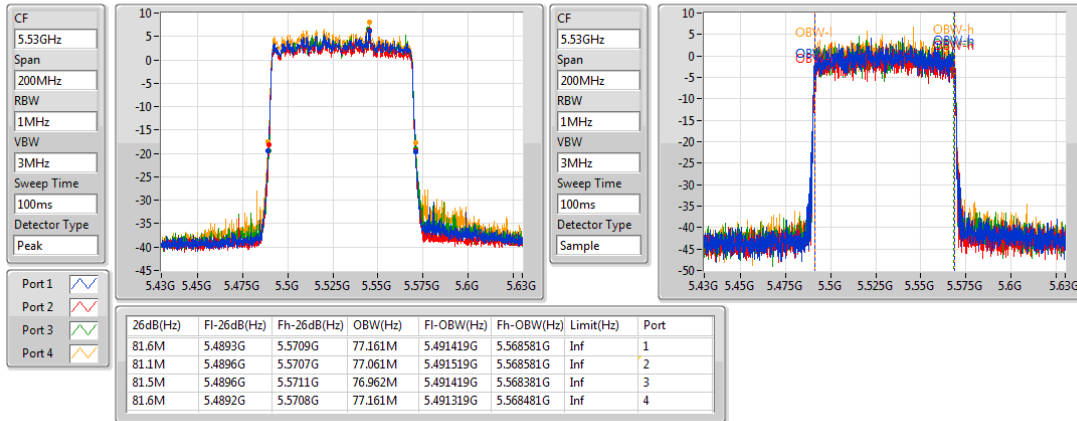


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

27/02/2019

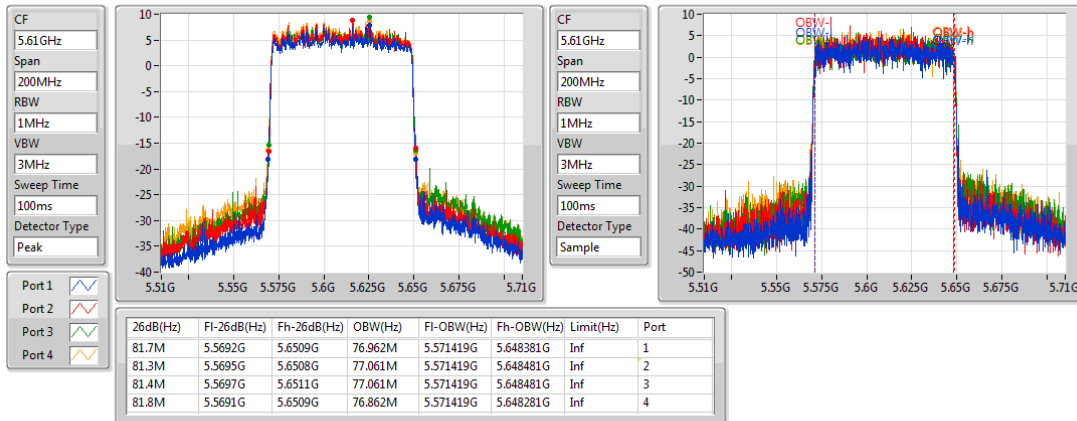


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

27/02/2019

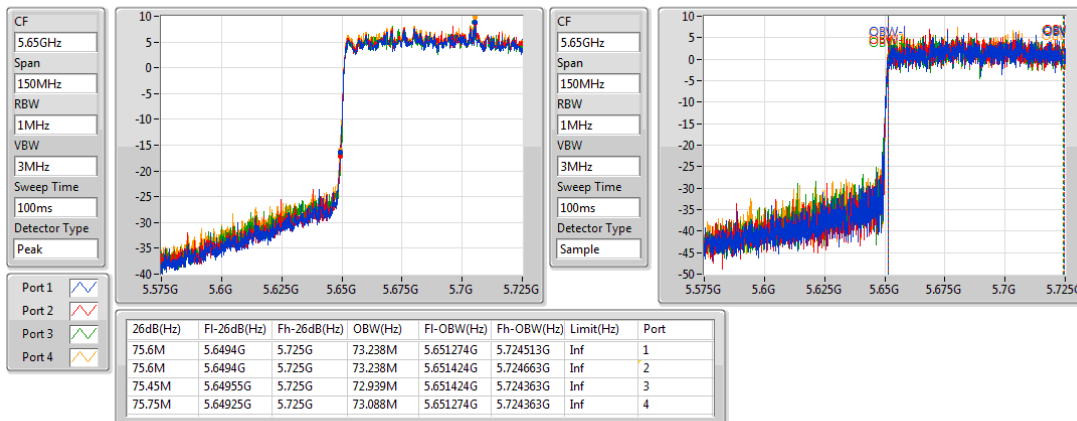


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

27/02/2019

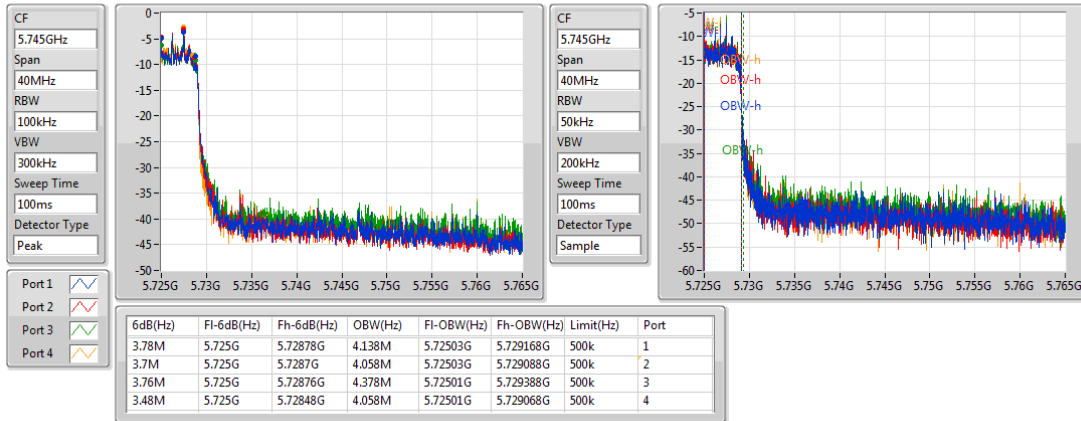


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

27/02/2019

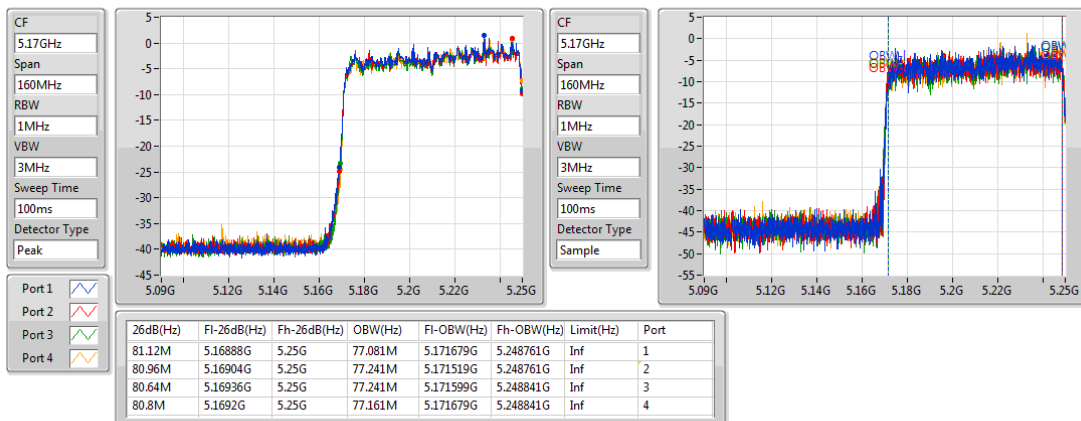


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

27/02/2019

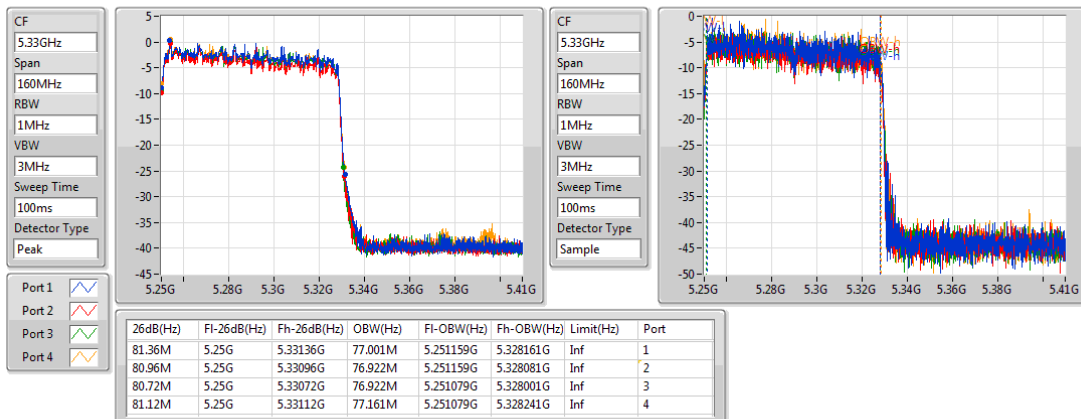


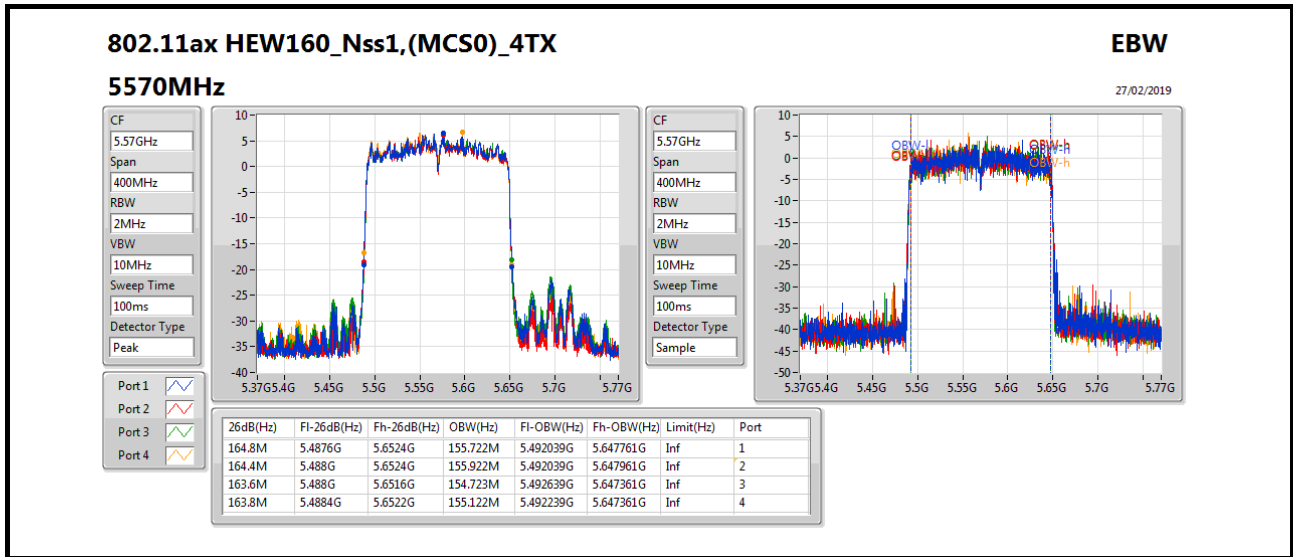
802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

27/02/2019





**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.04M	77.161M	77M2D1D	80.72M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.925M	18.991M	19M0D1D	21.4M	18.916M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.3M	37.581M	37M6D1D	39.95M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.5M	77.061M	77M1D1D	81M	76.962M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.52M	77.161M	77M2D1D	80.96M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.95M	19.015M	19M0D1D	15.63M	14.453M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.35M	37.631M	37M6D1D	34.965M	33.618M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.5M	77.161M	77M2D1D	75.3M	73.163M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165M	155.322M	155MD1D	163.6M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.52M	4.558M	4M56D1D	4.46M	4.538M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.9M	4.078M	4M08D1D	3.72M	4.038M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.78M	4.118M	4M12D1D	3.34M	4.058M

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	21.725M	18.941M	21.65M	18.966M	21.9M	18.966M	21.425M	18.966M
5300MHz	Pass	Inf	21.75M	18.941M	21.675M	18.966M	21.925M	18.991M	21.45M	18.916M
5320MHz	Pass	Inf	21.7M	18.991M	21.6M	18.966M	21.825M	18.966M	21.4M	18.941M
5500MHz	Pass	Inf	21.625M	18.966M	21.675M	18.966M	21.85M	18.991M	21.45M	18.916M
5580MHz	Pass	Inf	21.7M	18.941M	21.675M	18.966M	21.95M	18.966M	21.35M	18.966M
5700MHz	Pass	Inf	21.75M	18.991M	21.65M	19.015M	21.8M	18.941M	21.375M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.468M	15.75M	14.468M	15.9M	14.468M	15.63M	14.453M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.558M	4.5M	4.538M	4.48M	4.538M	4.52M	4.538M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.95M	37.481M	40.05M	37.481M	40.3M	37.581M	40.1M	37.481M
5310MHz	Pass	Inf	39.95M	37.581M	40.2M	37.581M	40.15M	37.481M	40.25M	37.581M
5510MHz	Pass	Inf	39.95M	37.481M	40.2M	37.581M	40.3M	37.631M	40M	37.581M
5550MHz	Pass	Inf	40M	37.531M	40.2M	37.531M	40.25M	37.481M	40.1M	37.581M
5670MHz	Pass	Inf	39.95M	37.581M	40.1M	37.581M	40.35M	37.581M	40.15M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.618M	34.965M	33.758M	35.105M	33.653M	35.07M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.078M	3.72M	4.038M	3.8M	4.038M	3.9M	4.038M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.4M	76.962M	81.4M	76.962M	81M	77.061M	81.5M	77.061M
5530MHz	Pass	Inf	81.4M	76.962M	80.9M	77.161M	81.4M	77.161M	81.2M	76.962M
5610MHz	Pass	Inf	81.5M	77.061M	81M	76.962M	81.5M	77.061M	81.3M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.675M	73.163M	75.675M	73.238M	75.3M	73.238M	75.825M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.118M	3.7M	4.078M	3.76M	4.078M	3.34M	4.058M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.081M	80.96M	77.081M	80.88M	77.161M	80.72M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.44M	76.762M	80.96M	76.922M	81.12M	77.161M	81.52M	77.161M
5570MHz	Pass	Inf	165M	155.122M	164.8M	154.723M	163.6M	155.322M	163.8M	155.322M

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

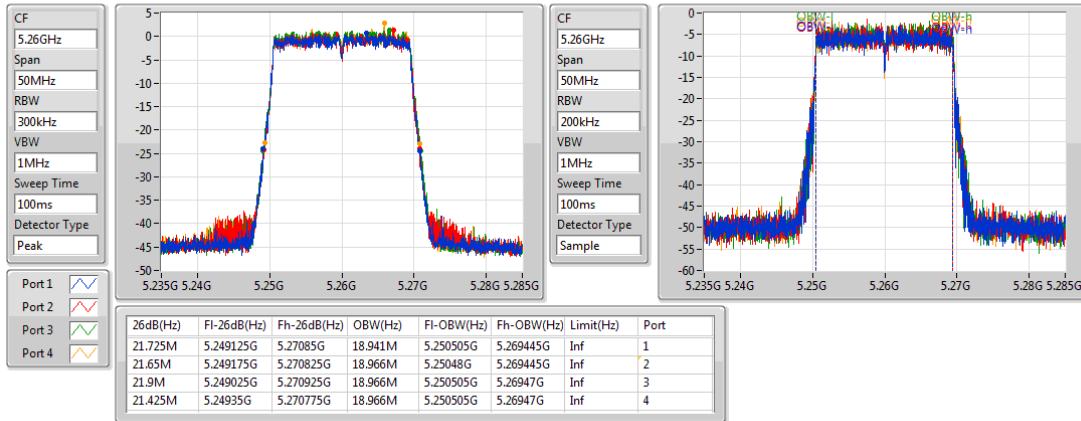
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

05/03/2019

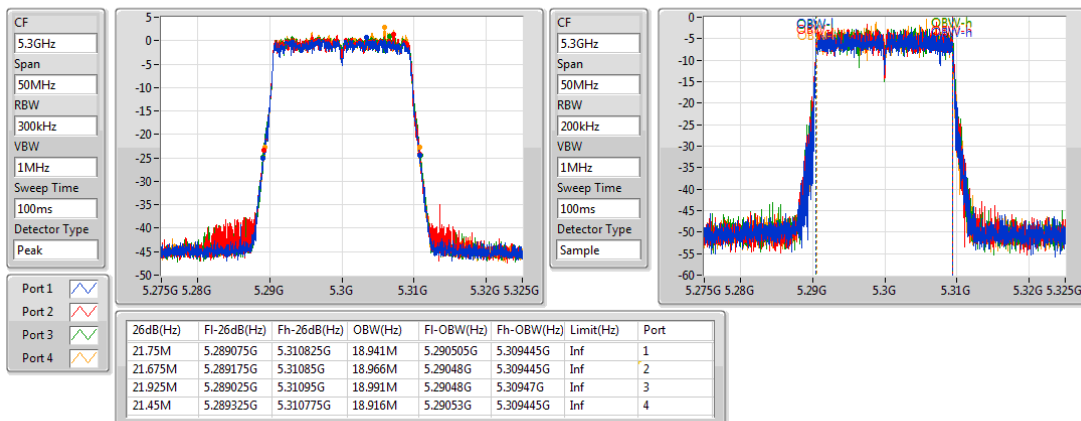


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

05/03/2019

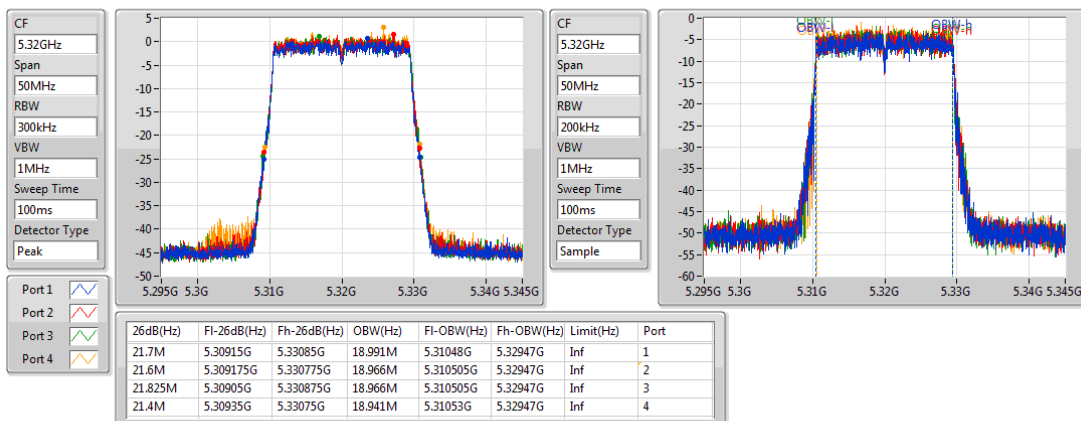


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

05/03/2019

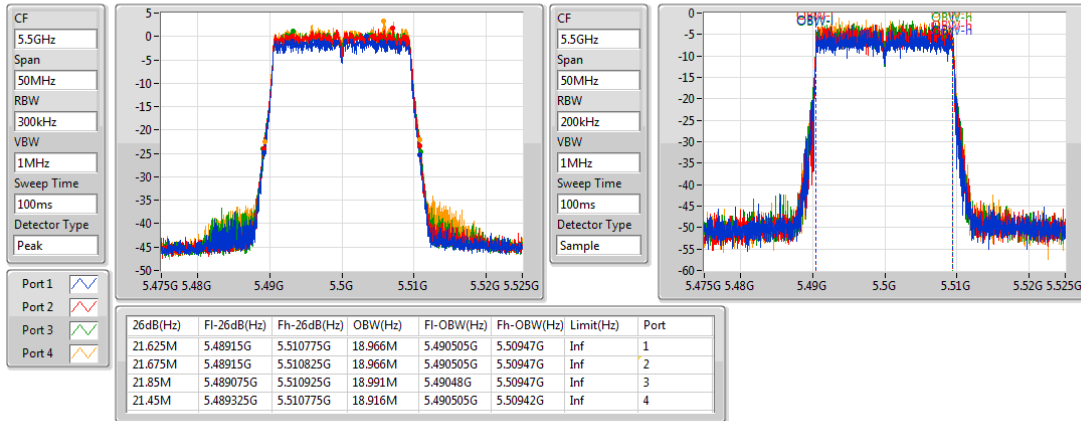


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

05/03/2019

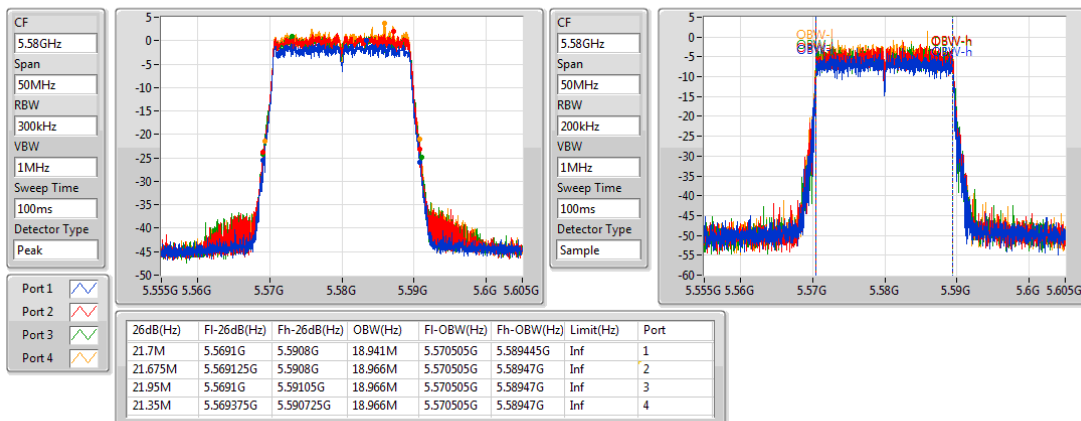


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

05/03/2019

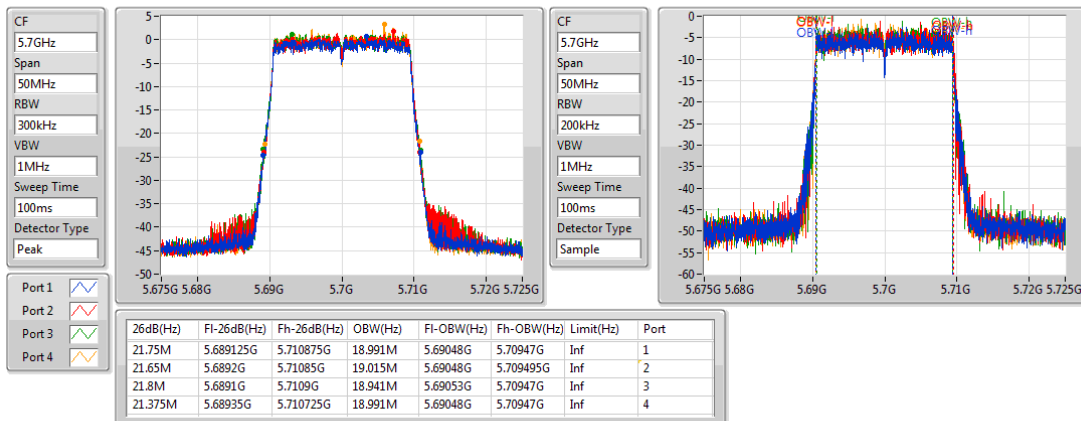


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

05/03/2019

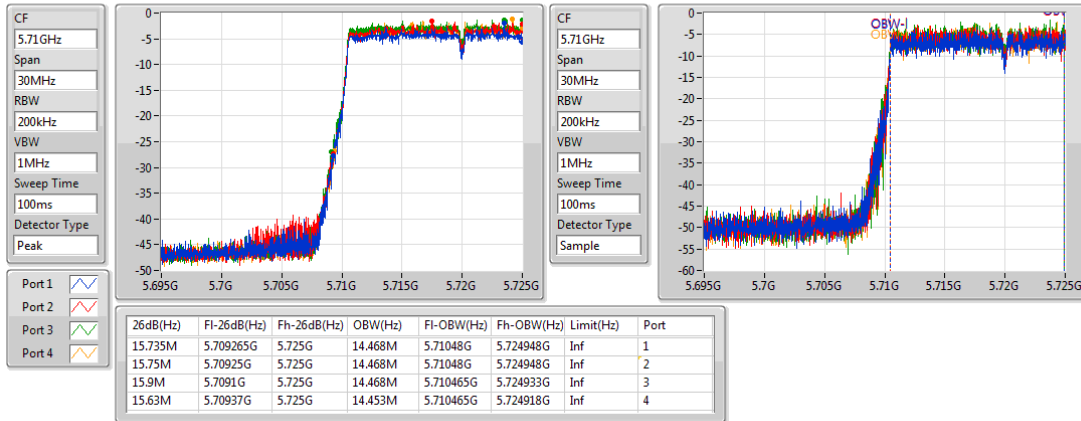


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

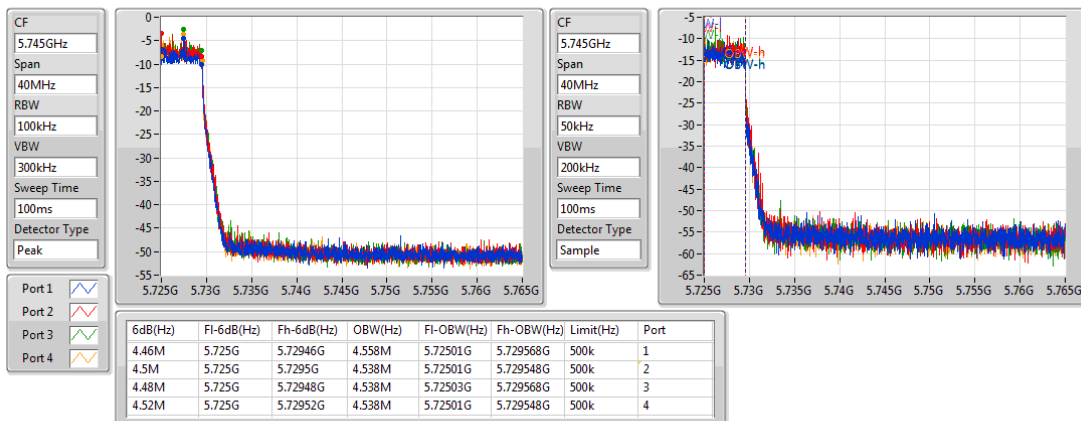


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

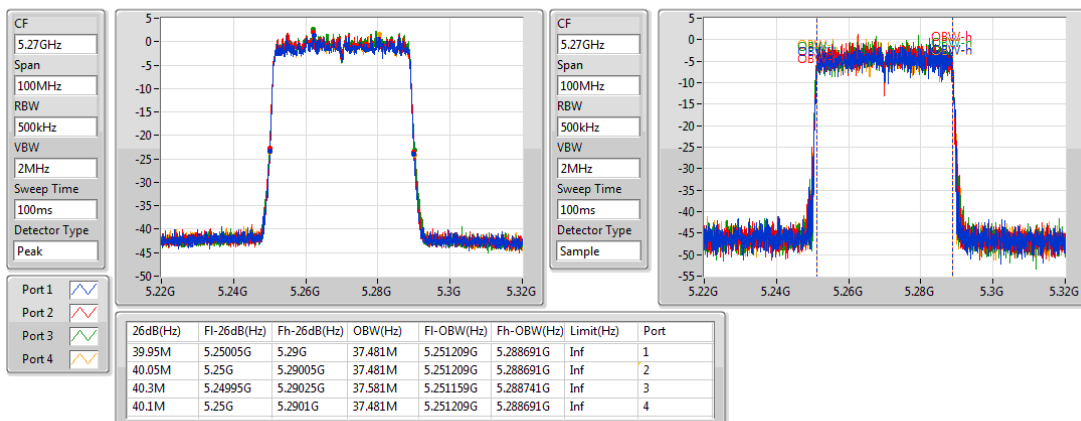


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

05/03/2019

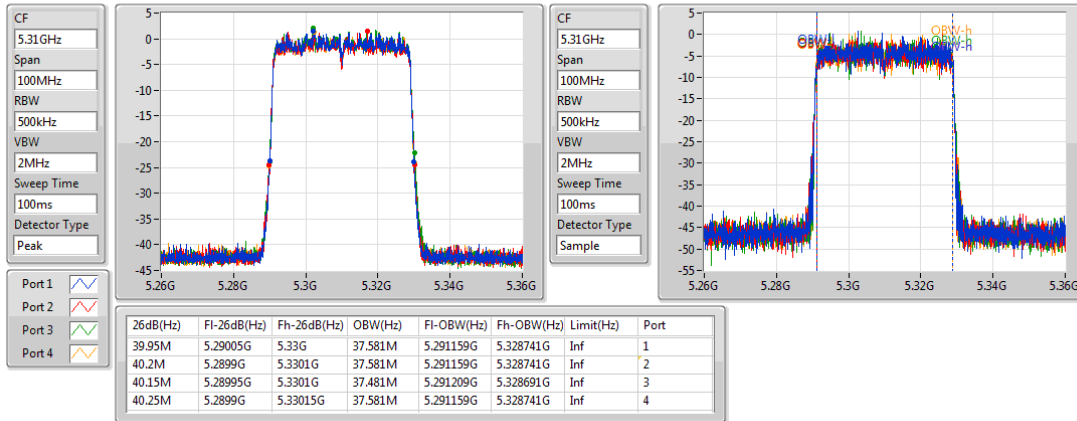


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

05/03/2019

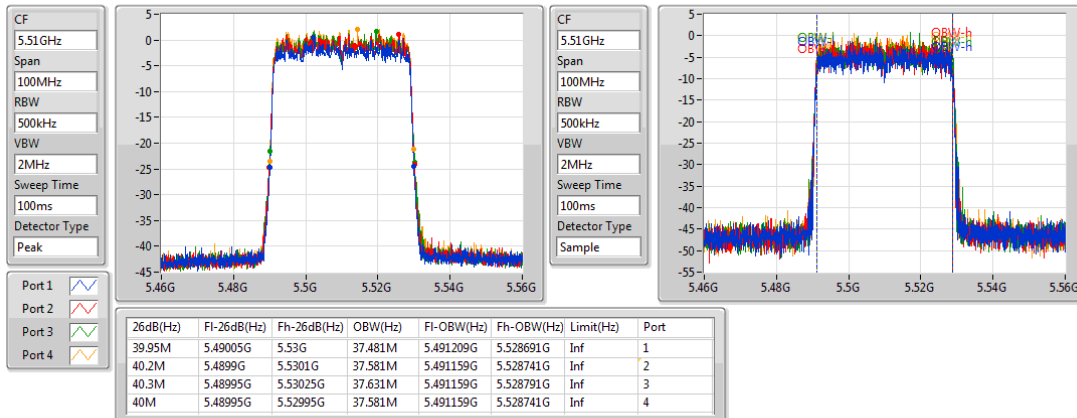


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

05/03/2019

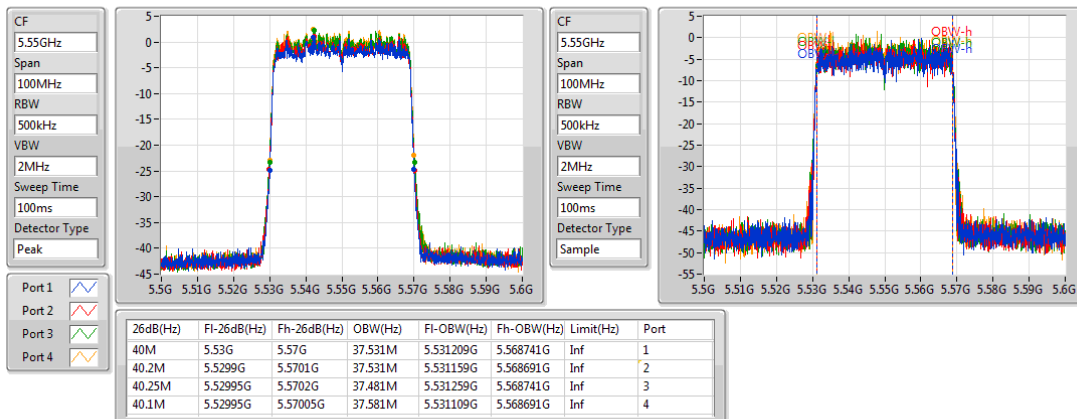


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

05/03/2019

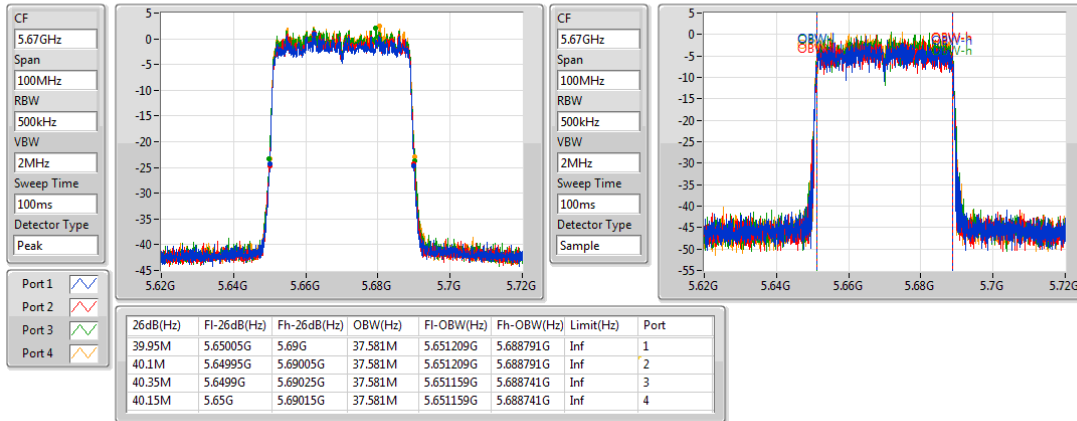


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

05/03/2019

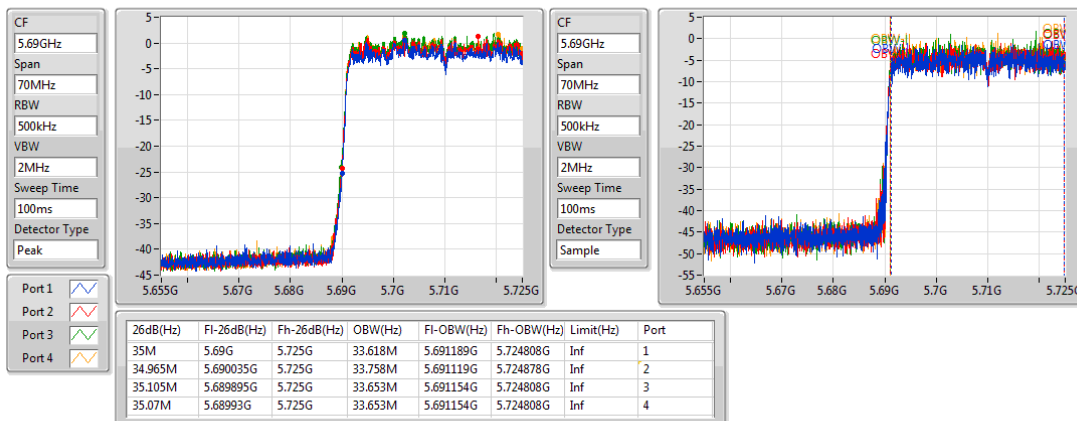


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/03/2019

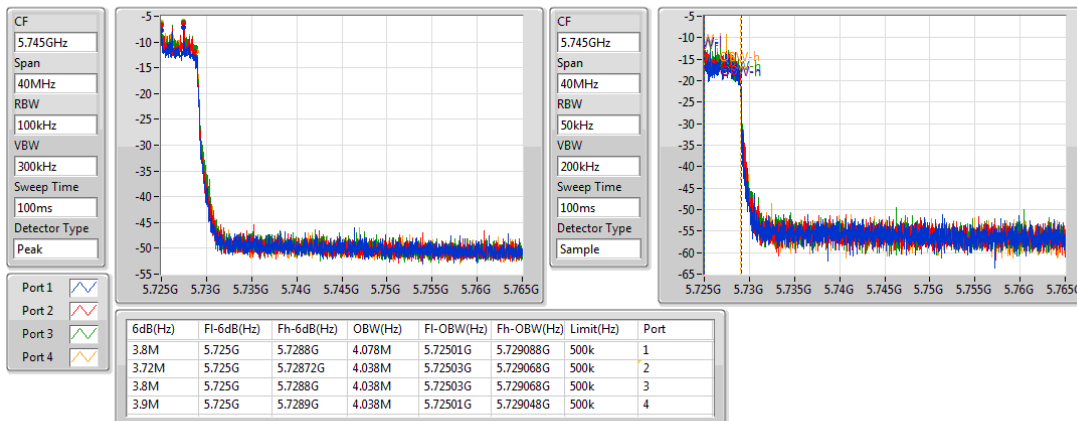


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/03/2019

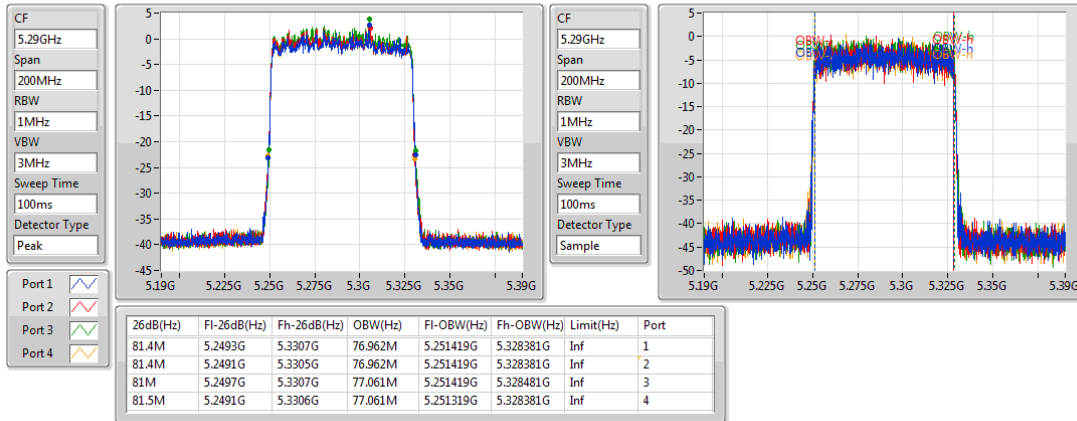


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

05/03/2019

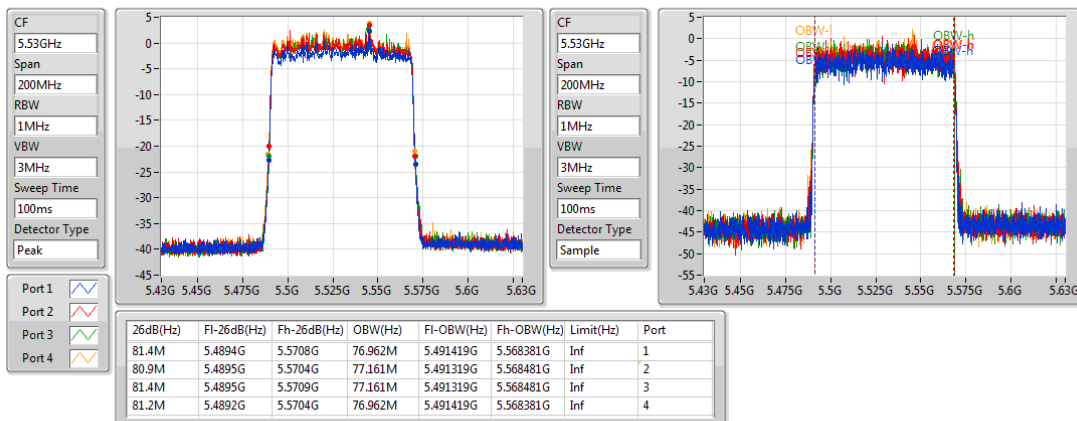


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

05/03/2019

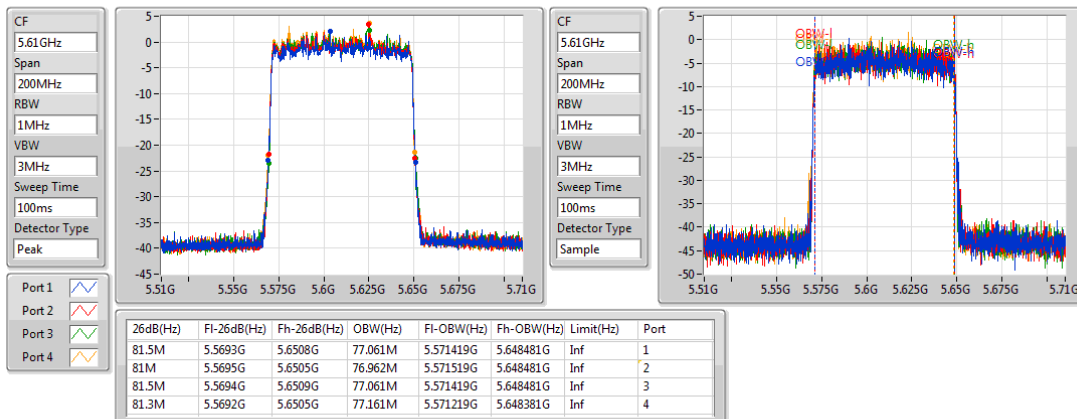


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

05/03/2019

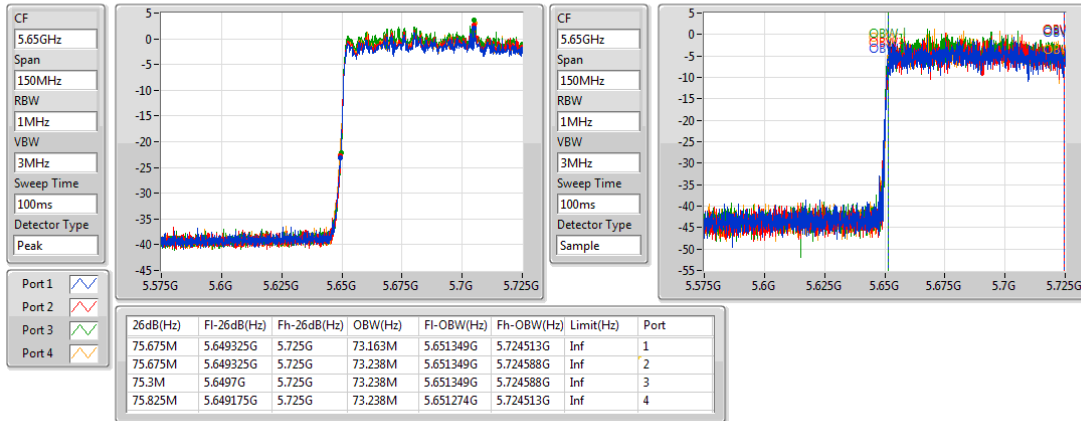


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

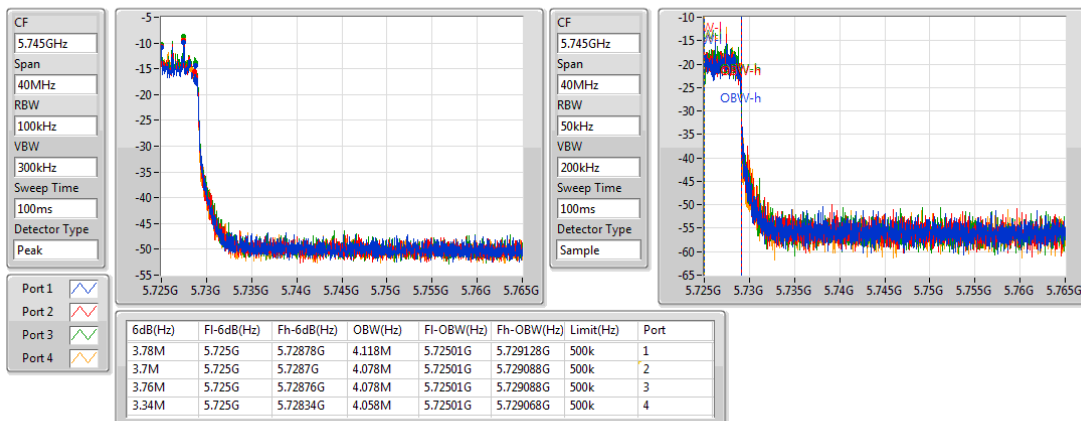


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

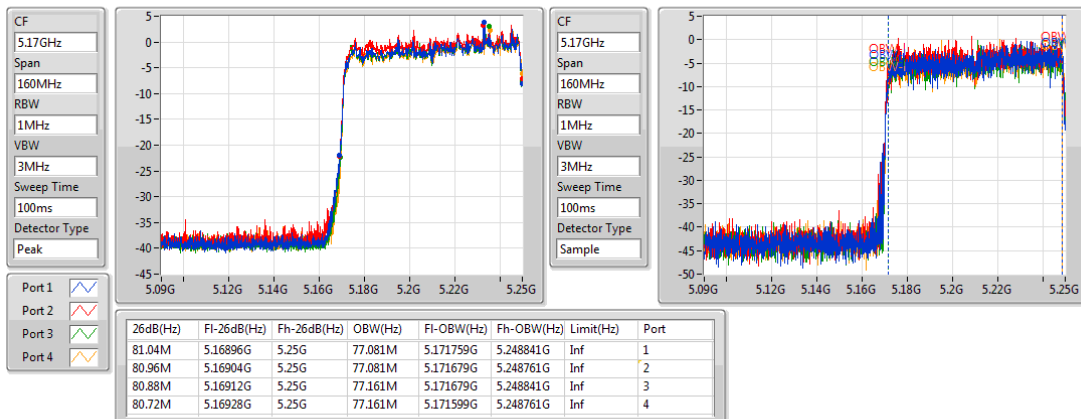


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/03/2019

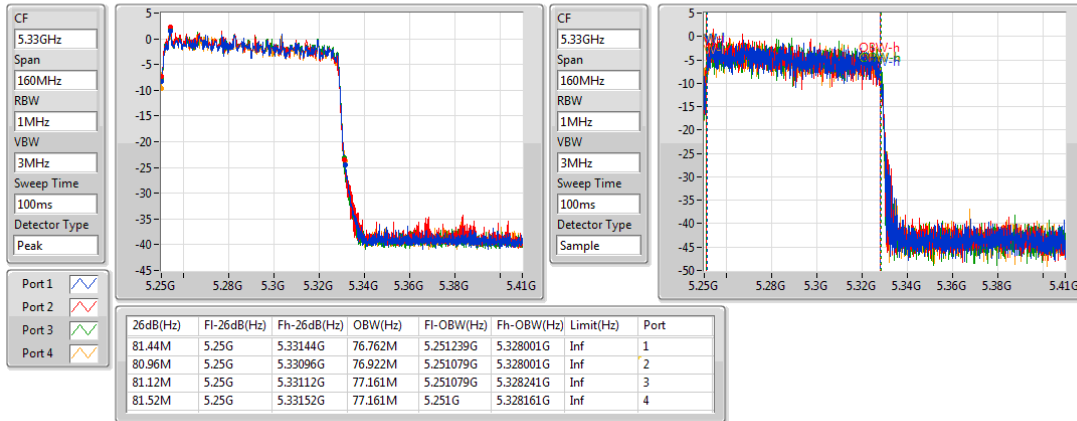


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/03/2019

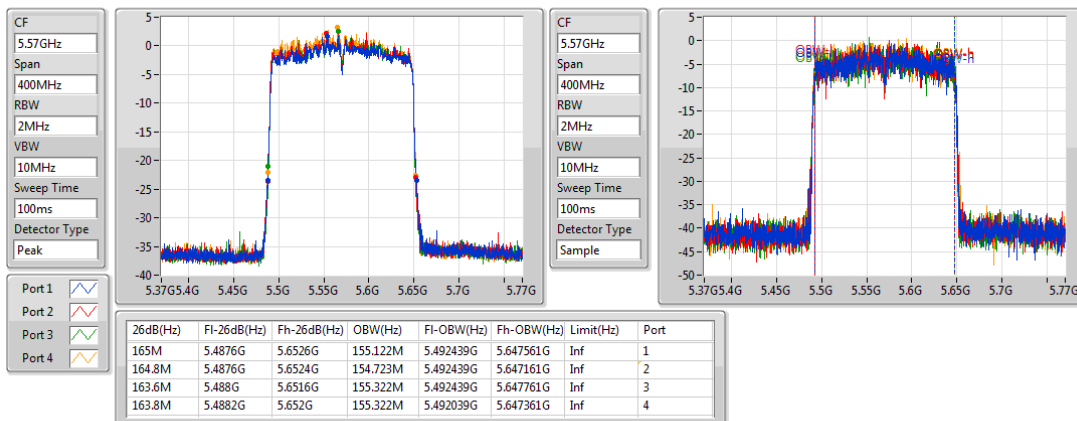


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

05/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	81.76M	77.241M	77M2D1D	80.48M	76.922M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.875M	18.991M	19M0D1D	21.35M	18.916M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.25M	37.631M	37M6D1D	40M	37.481M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.8M	77.061M	77M1D1D	81.2M	76.862M
802.11ax HEW160_Nss4,(MCS0)_4TX	82.96M	77.081M	77M1D1D	80.88M	76.842M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.85M	18.991M	19M0D1D	15.585M	14.453M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.25M	37.681M	37M7D1D	35.105M	33.618M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.9M	77.161M	77M2D1D	75.45M	73.013M
802.11ax HEW160_Nss4,(MCS0)_4TX	166.4M	155.122M	155MD1D	163.2M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	4.5M	4.558M	4M56D1D	4.4M	4.518M
802.11ax HEW40_Nss4,(MCS0)_4TX	3.92M	4.098M	4M10D1D	3.8M	4.018M
802.11ax HEW80_Nss4,(MCS0)_4TX	3.96M	4.158M	4M16D1D	3.5M	4.078M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.875M	18.966M	21.775M	18.966M	21.775M	18.966M	21.425M	18.941M
5300MHz	Pass	Inf	21.85M	18.916M	21.725M	18.941M	21.8M	18.966M	21.35M	18.941M
5320MHz	Pass	Inf	21.875M	18.966M	21.75M	18.966M	21.775M	18.991M	21.45M	18.966M
5500MHz	Pass	Inf	21.85M	18.966M	21.675M	18.966M	21.85M	18.966M	21.35M	18.941M
5580MHz	Pass	Inf	21.85M	18.941M	21.7M	18.941M	21.8M	18.966M	21.35M	18.966M
5700MHz	Pass	Inf	21.85M	18.991M	21.825M	18.991M	21.725M	18.966M	21.4M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.453M	15.84M	14.453M	15.87M	14.498M	15.585M	14.453M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.538M	4.5M	4.518M	4.42M	4.558M	4.4M	4.518M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	37.481M	40.2M	37.531M	40M	37.481M	40.15M	37.631M
5310MHz	Pass	Inf	40.25M	37.581M	40.15M	37.531M	40.05M	37.581M	40.25M	37.581M
5510MHz	Pass	Inf	40.15M	37.481M	40.2M	37.581M	40.15M	37.581M	40.2M	37.581M
5550MHz	Pass	Inf	40.1M	37.431M	40.2M	37.531M	40.1M	37.481M	40.2M	37.681M
5670MHz	Pass	Inf	40.2M	37.531M	40.15M	37.481M	40.1M	37.531M	40.25M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.245M	33.653M	35.21M	33.723M	35.105M	33.618M	35.105M	33.688M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	4.018M	3.9M	4.058M	3.8M	4.098M	3.9M	4.058M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.4M	76.862M	81.2M	76.962M	81.8M	76.962M	81.6M	77.061M
5530MHz	Pass	Inf	81.5M	77.061M	81.3M	76.962M	81.9M	77.161M	81.9M	77.061M
5610MHz	Pass	Inf	81.6M	76.962M	81.1M	76.962M	81.8M	76.962M	81.9M	77.161M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.45M	73.238M	75.825M	73.088M	75.975M	73.163M	75.75M	73.013M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.098M	3.78M	4.078M	3.96M	4.158M	3.5M	4.118M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.241M	81.76M	77.161M	80.48M	77.001M	80.64M	76.922M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.96M	77.081M	80.88M	76.842M	81.04M	76.922M	81.28M	77.001M
5570MHz	Pass	Inf	166.4M	154.723M	163.8M	154.923M	163.2M	155.122M	164.4M	154.723M

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

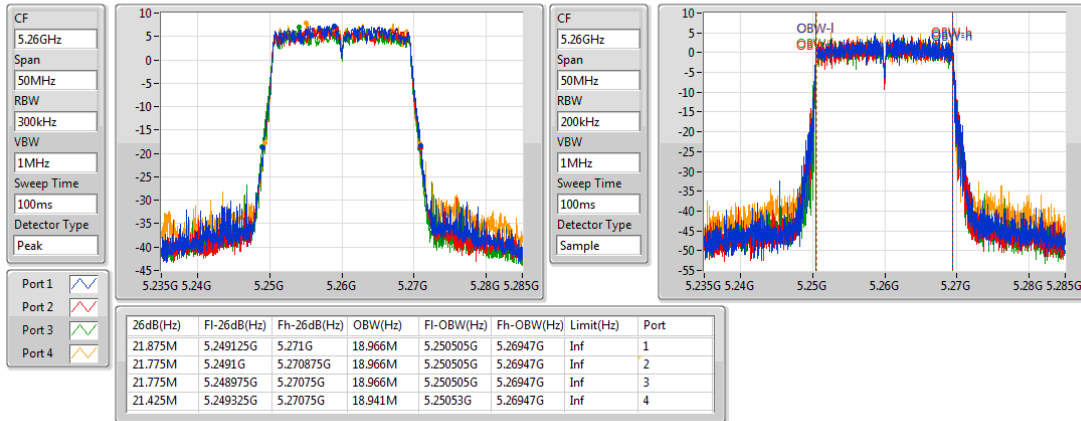
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5260MHz

27/02/2019

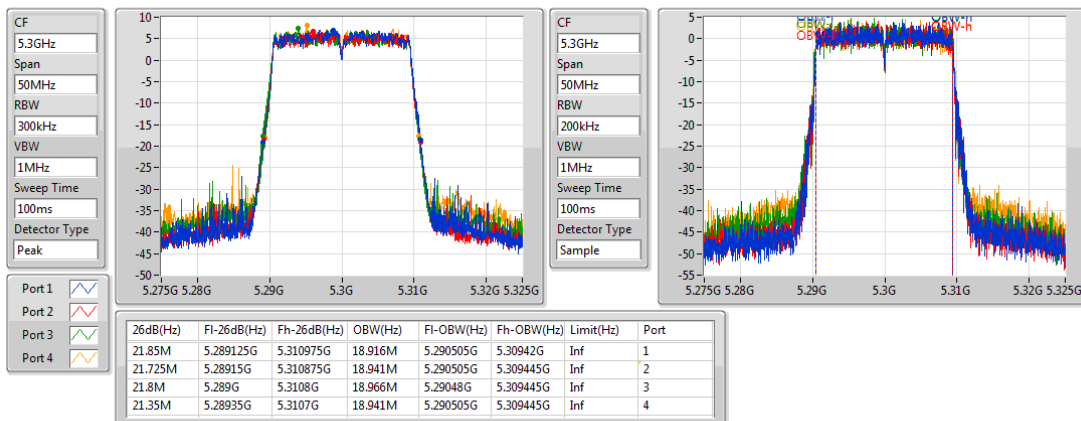


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5300MHz

27/02/2019

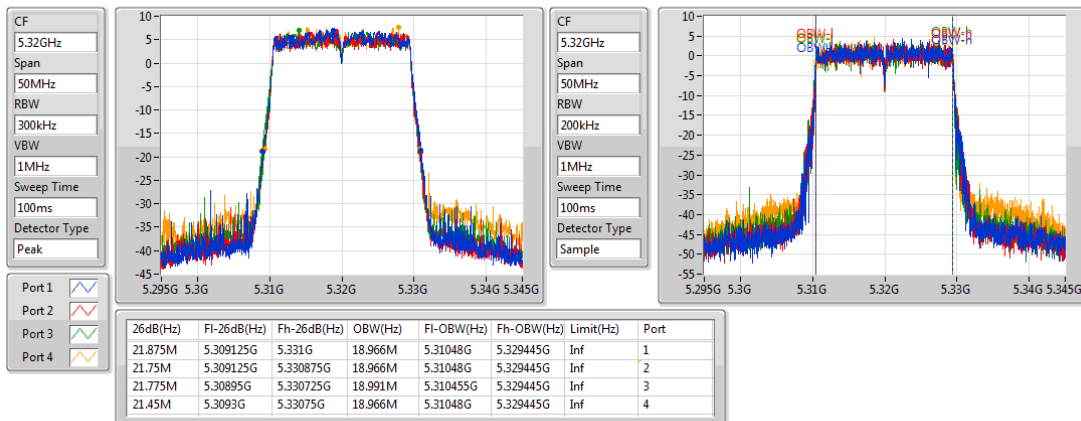


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5320MHz

27/02/2019

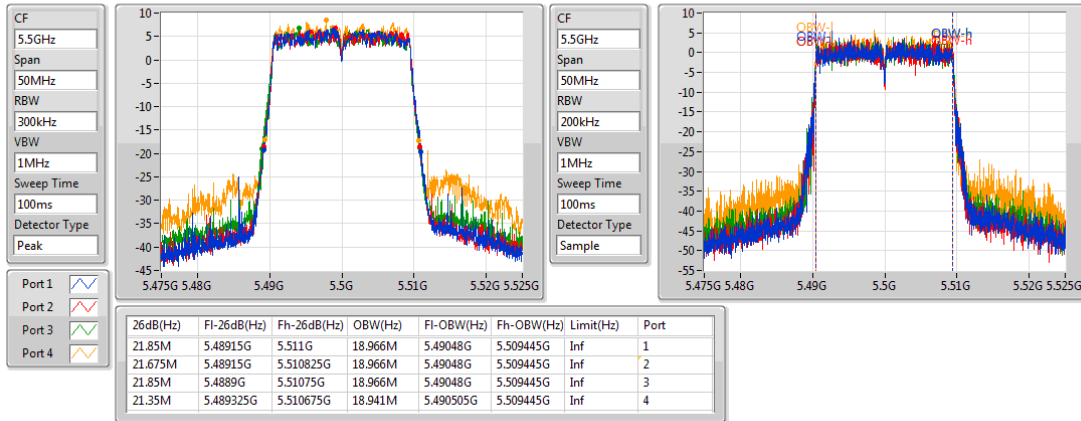


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5500MHz

28/02/2019

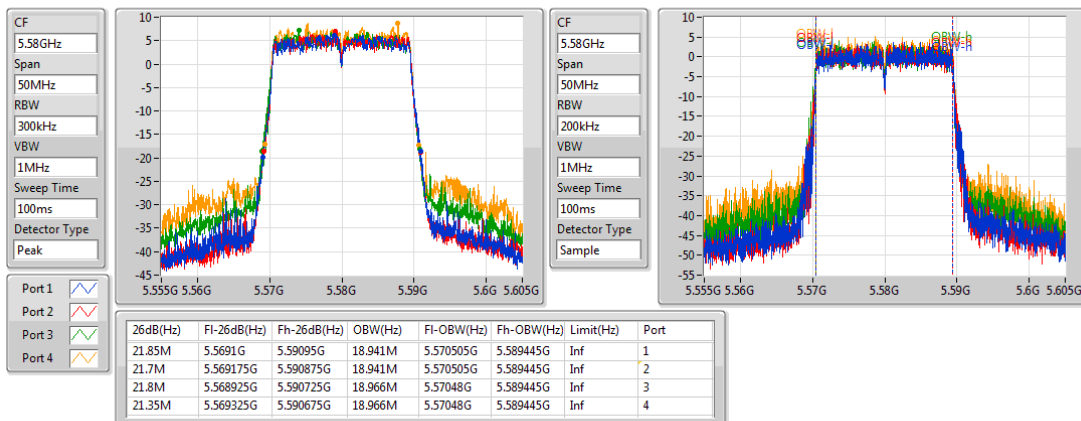


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5580MHz

28/02/2019

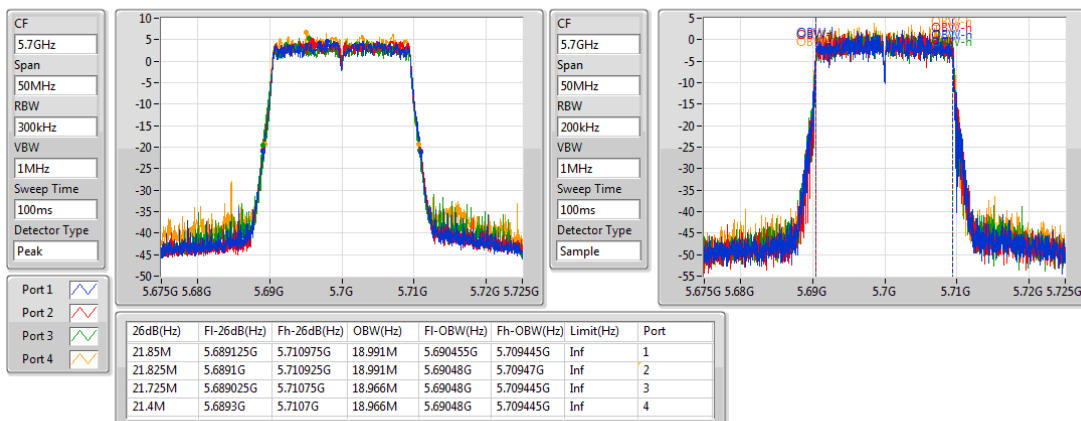


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5700MHz

28/02/2019

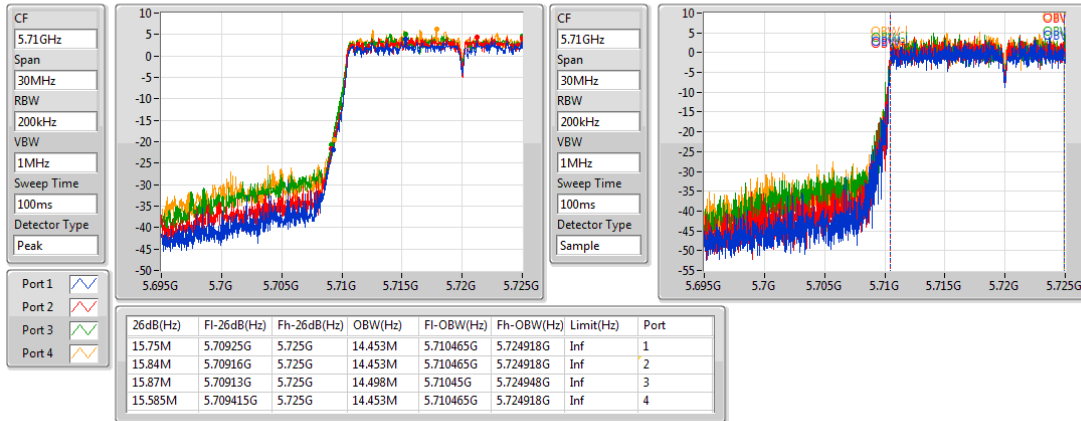


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

28.02/2019

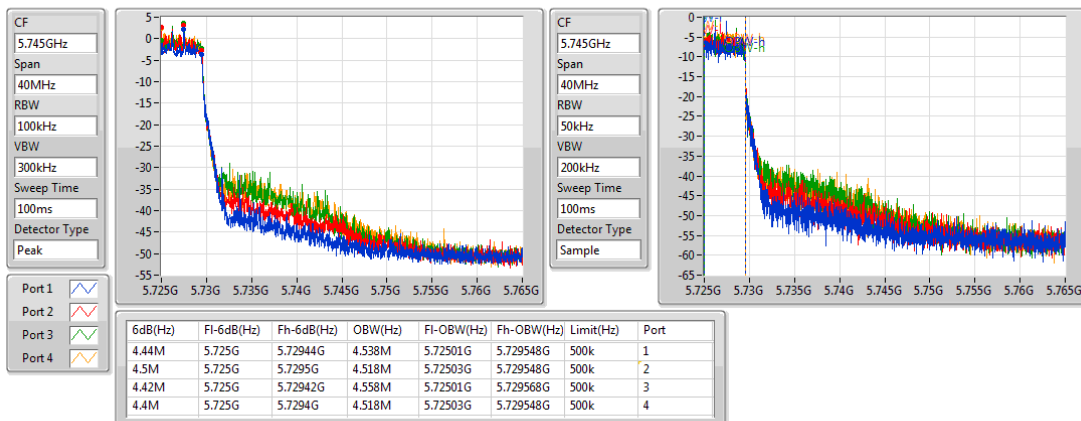


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

28.02/2019

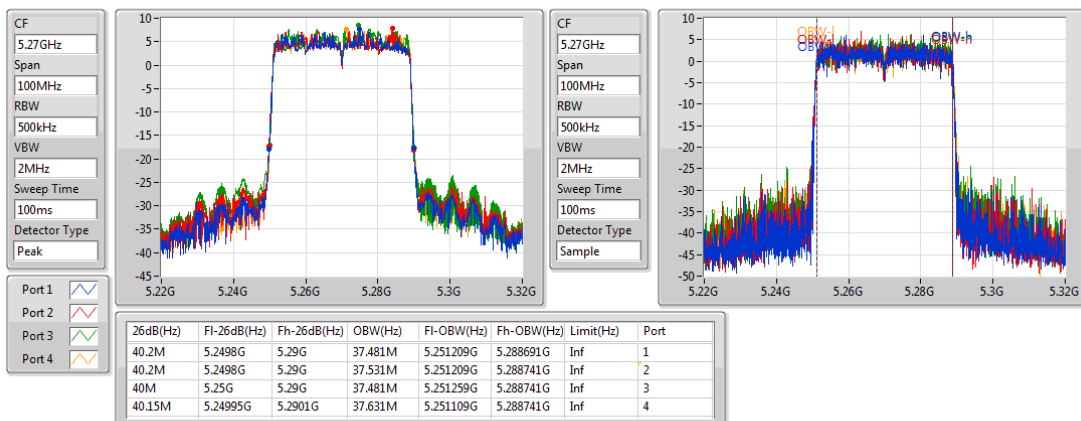


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5270MHz

28.02/2019

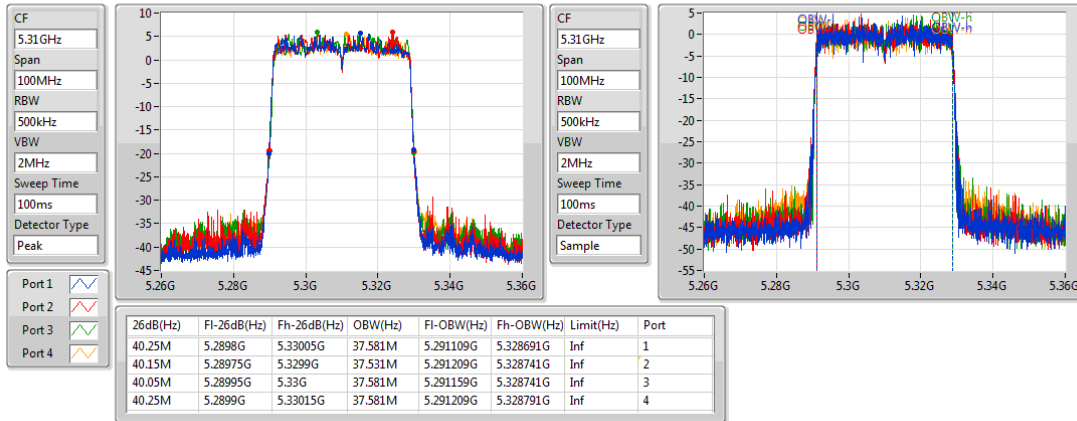


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5310MHz

28/02/2019

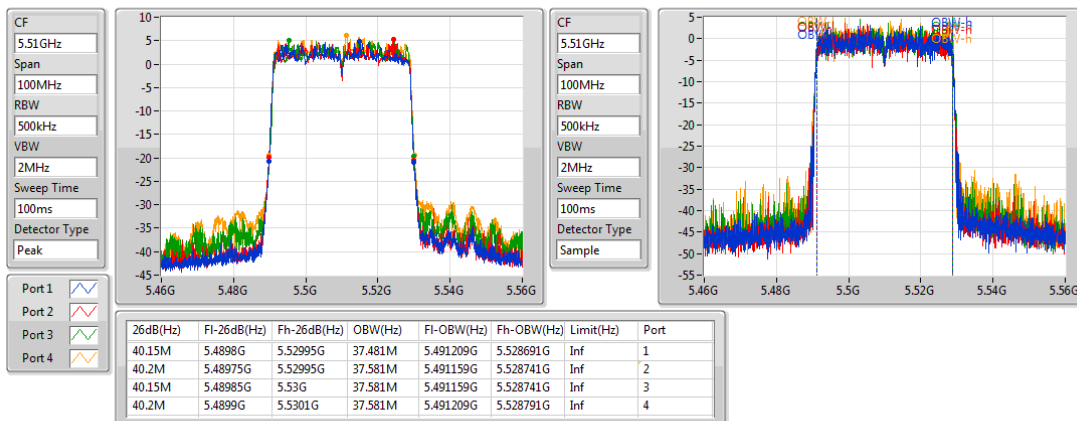


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

28/02/2019

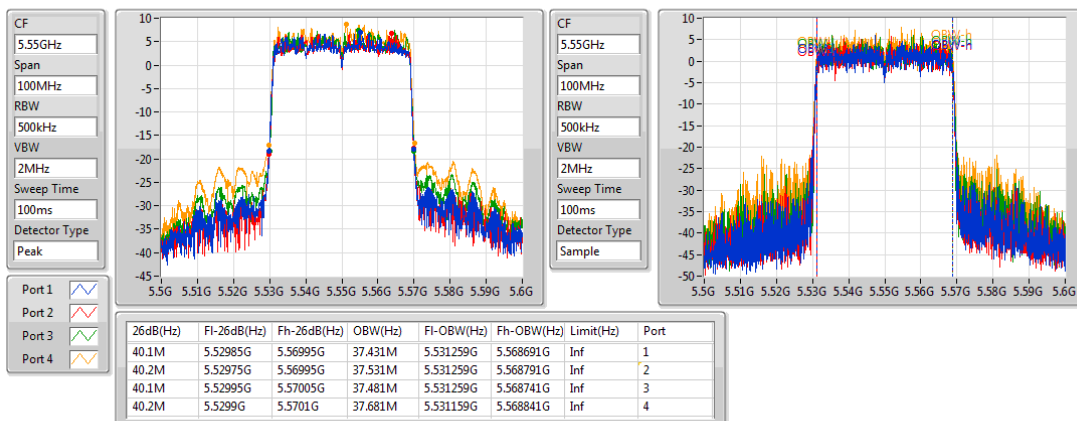


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5550MHz

28/02/2019

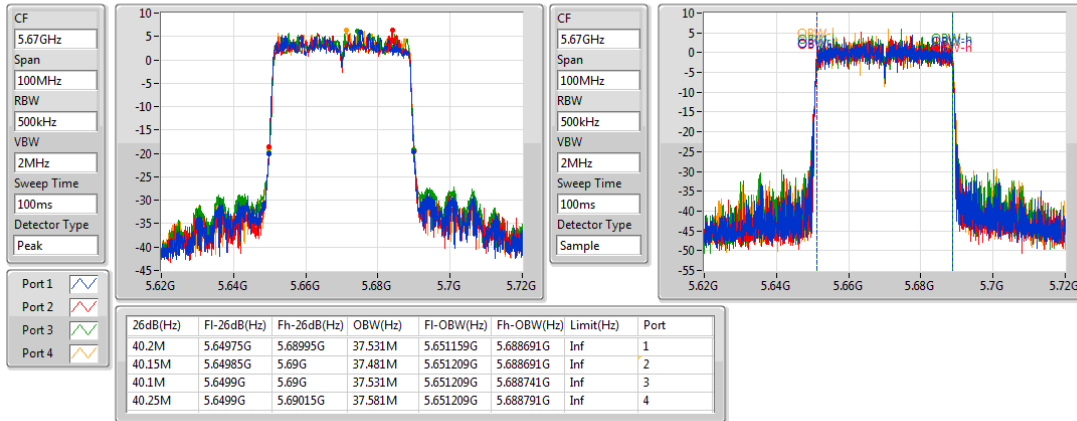


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5670MHz

28/02/2019

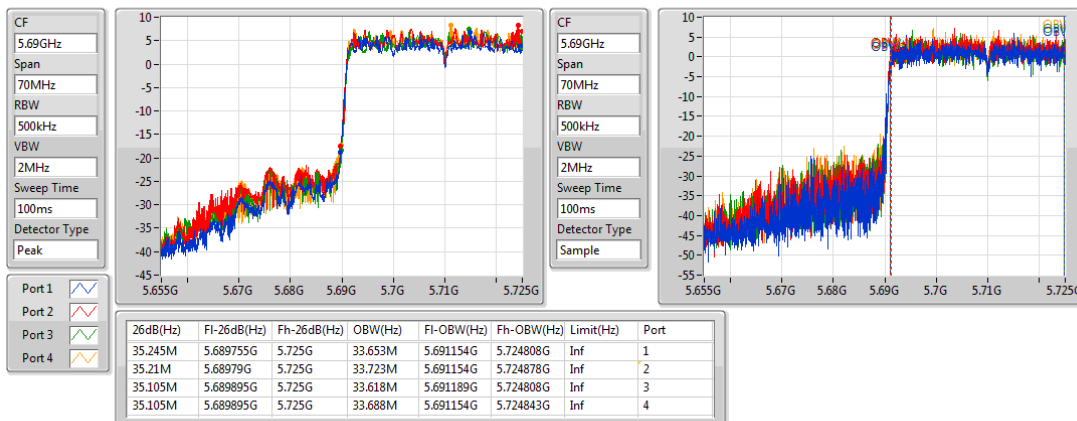


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

28/02/2019

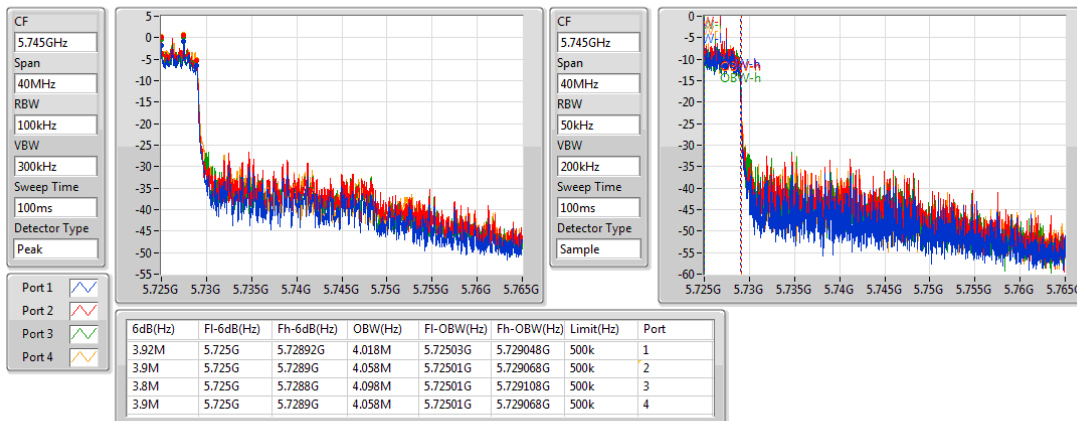


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

28/02/2019

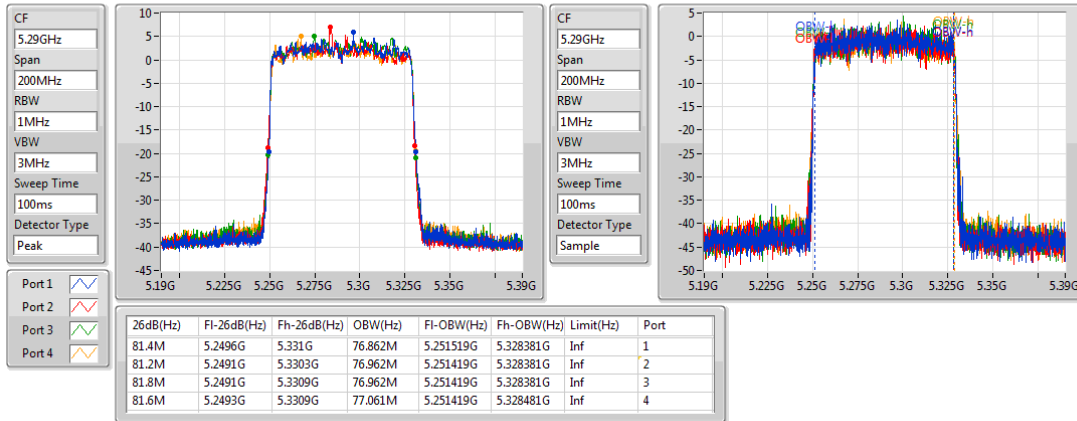


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5290MHz

28/02/2019

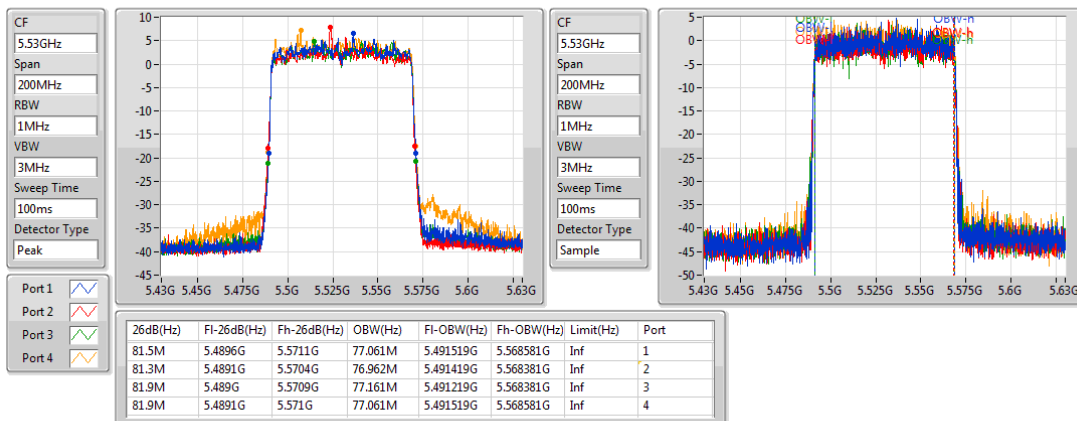


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5530MHz

28/02/2019

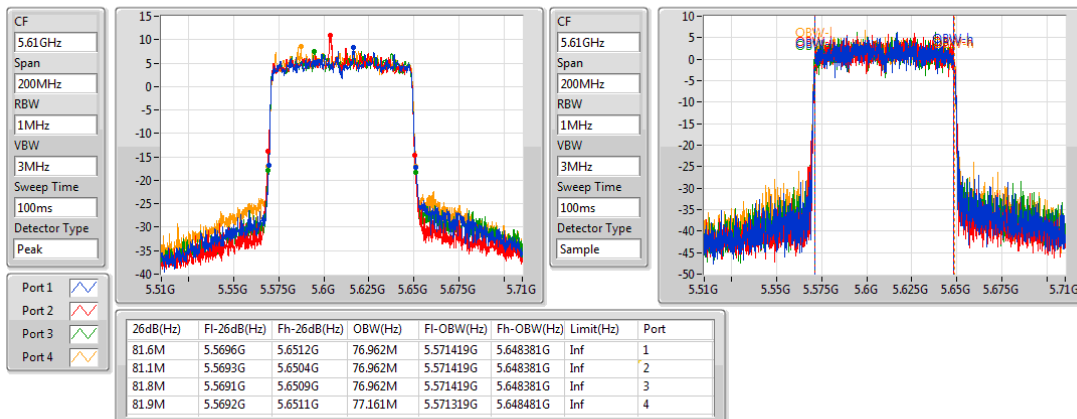


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

28/02/2019

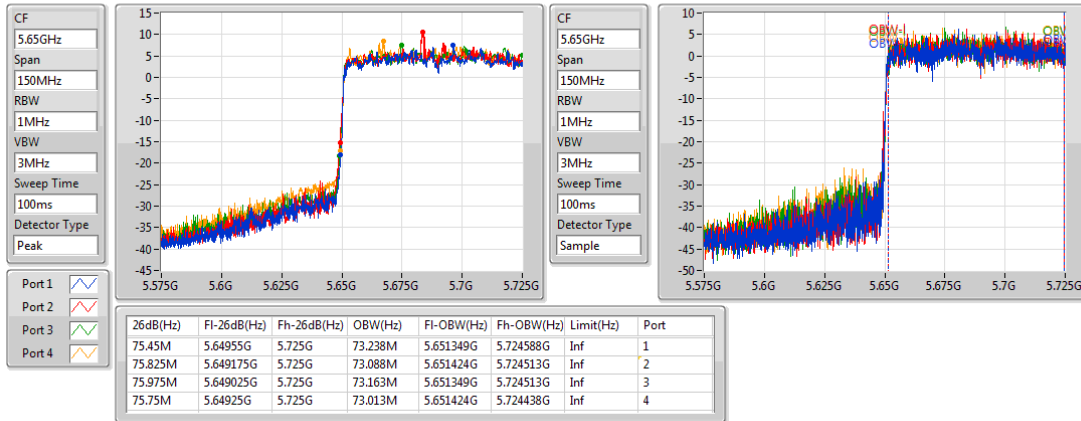


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

28/02/2019

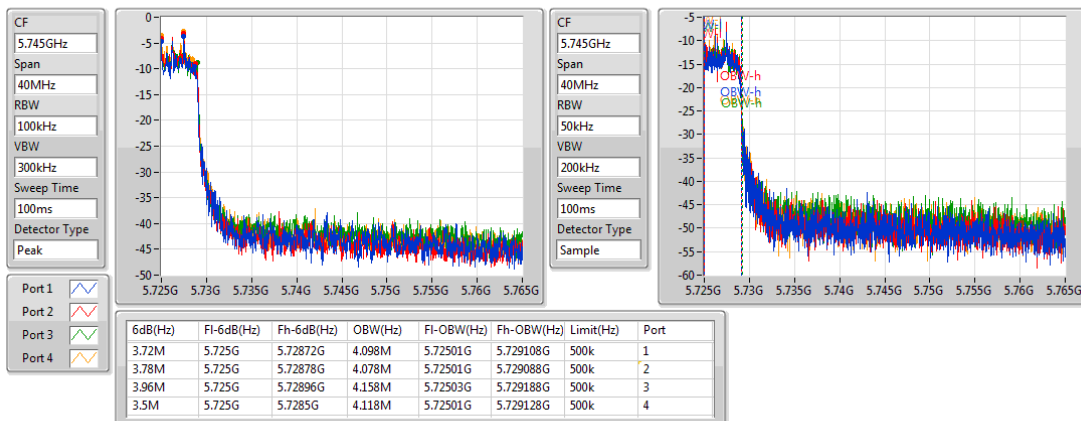


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

28/02/2019

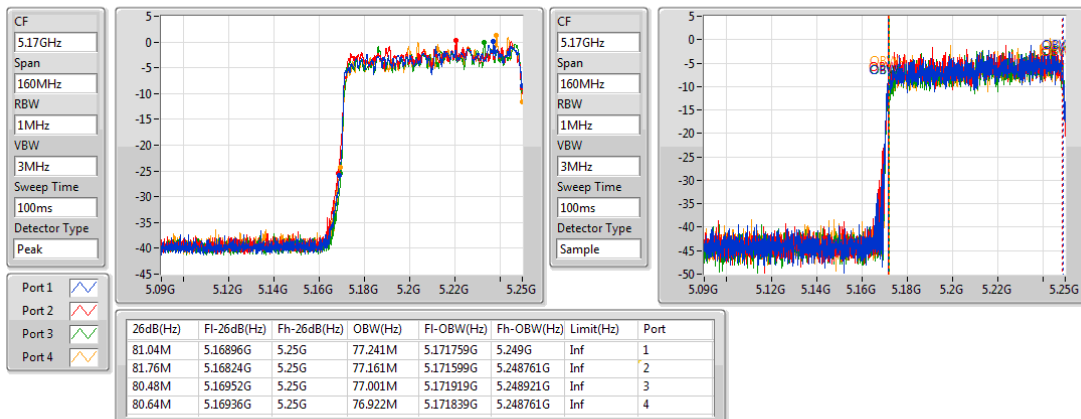


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

28/02/2019

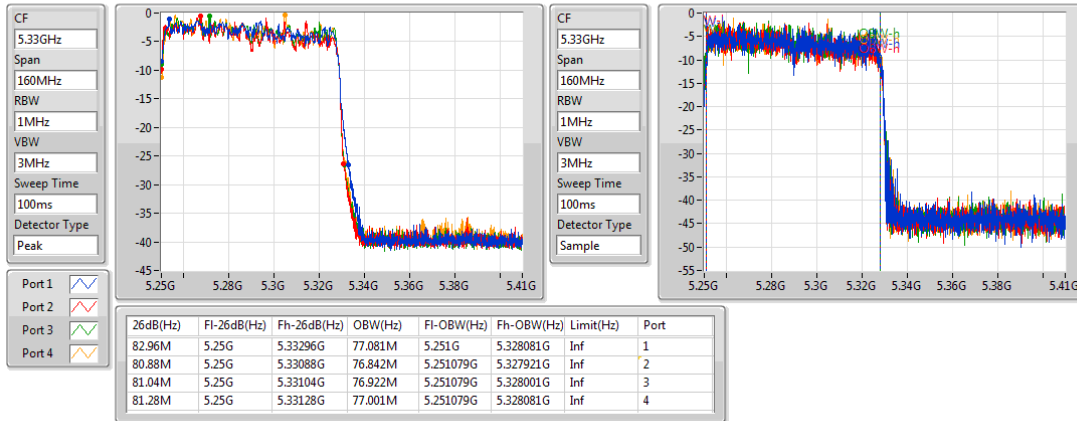


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

28/02/2019

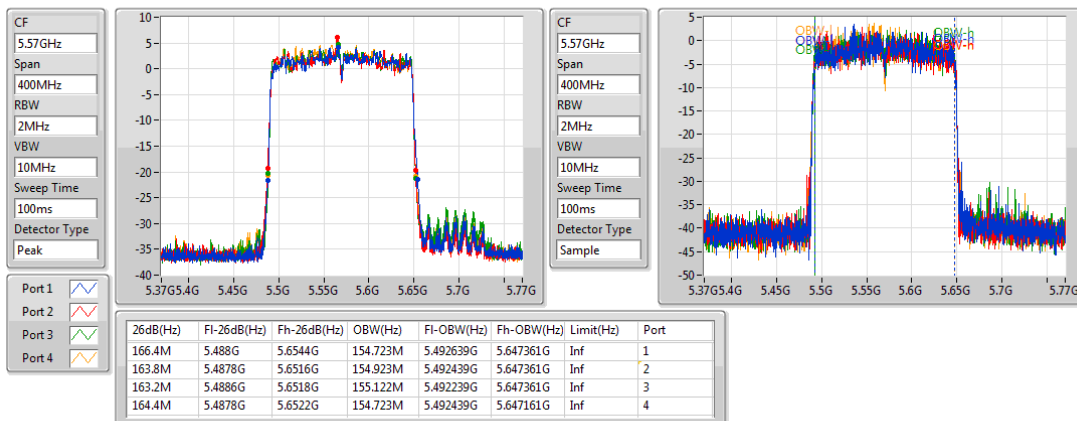


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

28/02/2019





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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.28M	77.161M	77M2D1D	81.28M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.28M	77.001M	77M0D1D	81.28M	77.001M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.28M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.001M

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

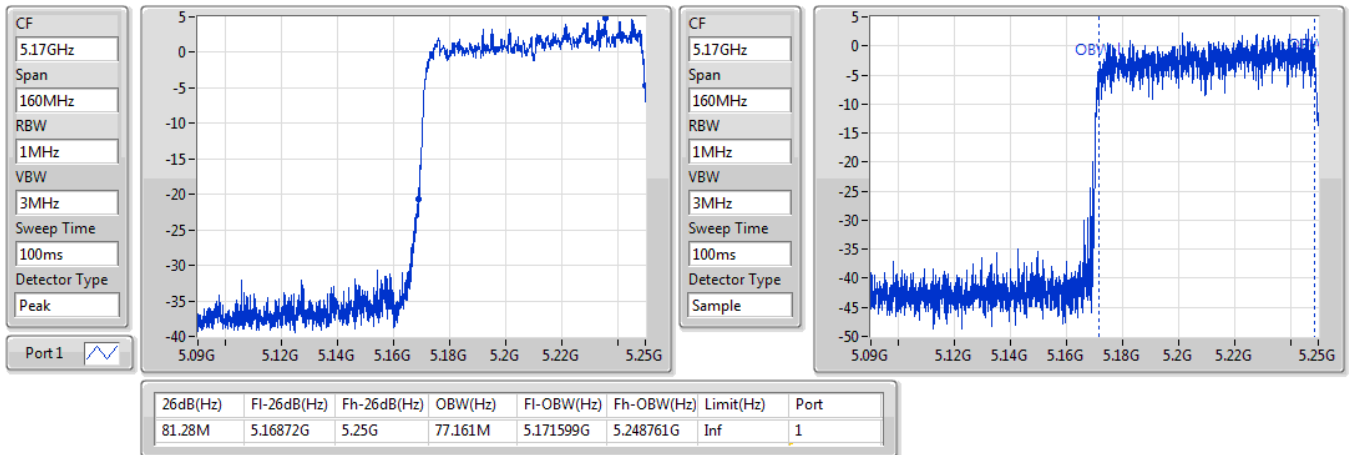
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

06/03/2019

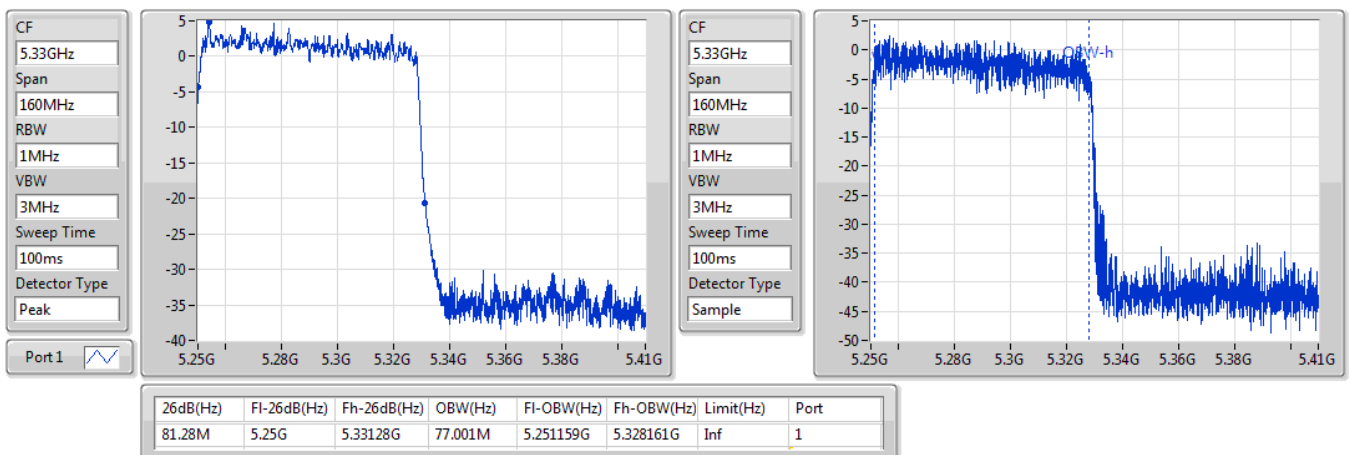


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

06/03/2019



**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	77.161M	77M2D1D	81.04M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.28M	77.081M	77M1D1D	80.64M	77.001M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

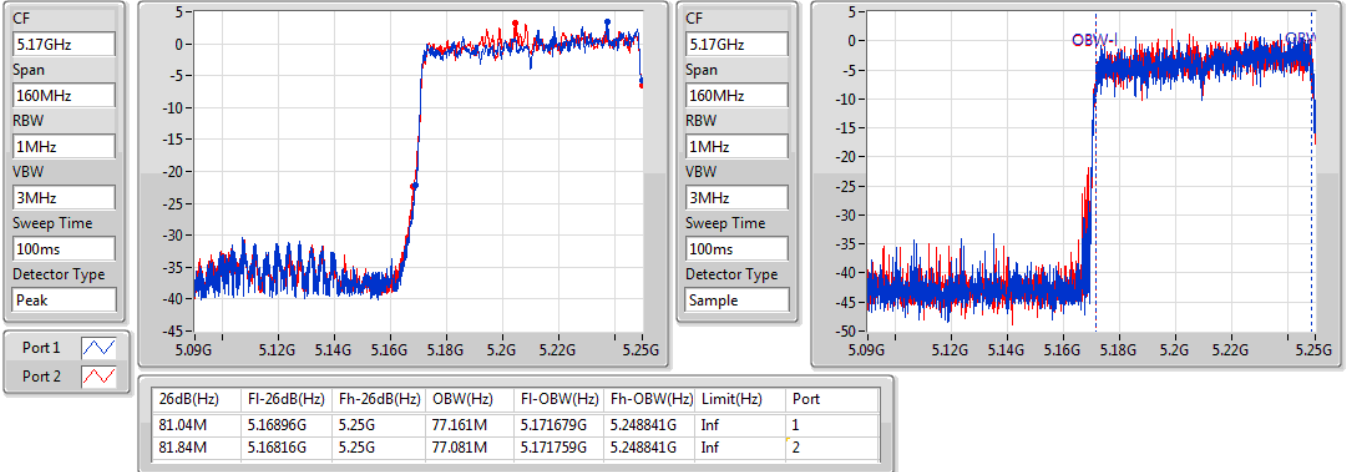
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.161M	81.84M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.001M	80.64M	77.081M

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

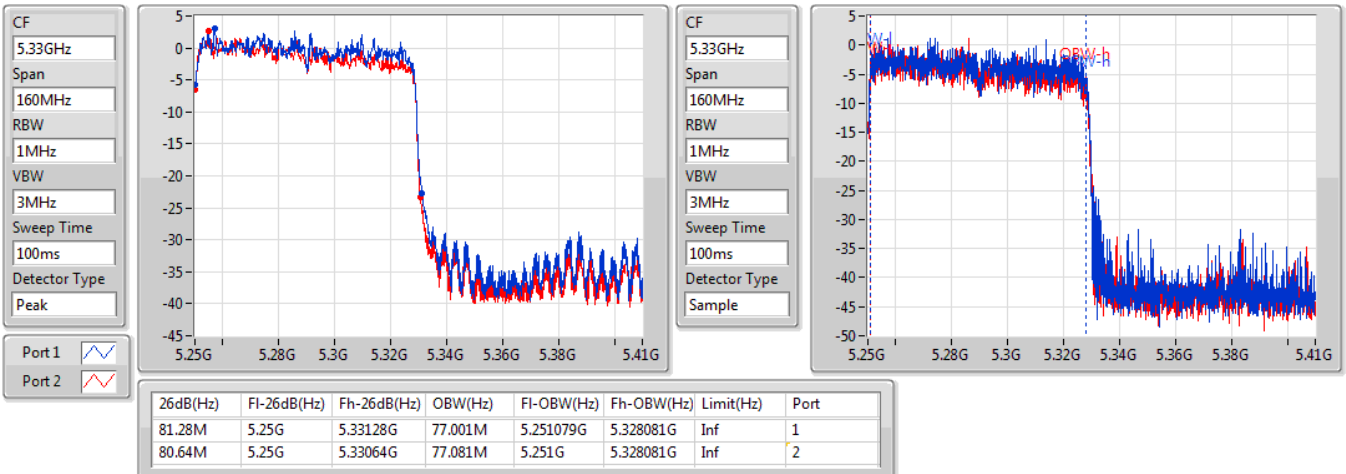
Port X-OBW = Port X 99% occupied bandwidth;

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

06/03/2019


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

06/03/2019



**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	77.241M	77M2D1D	80.8M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.44M	77.081M	77M1D1D	80.8M	76.842M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

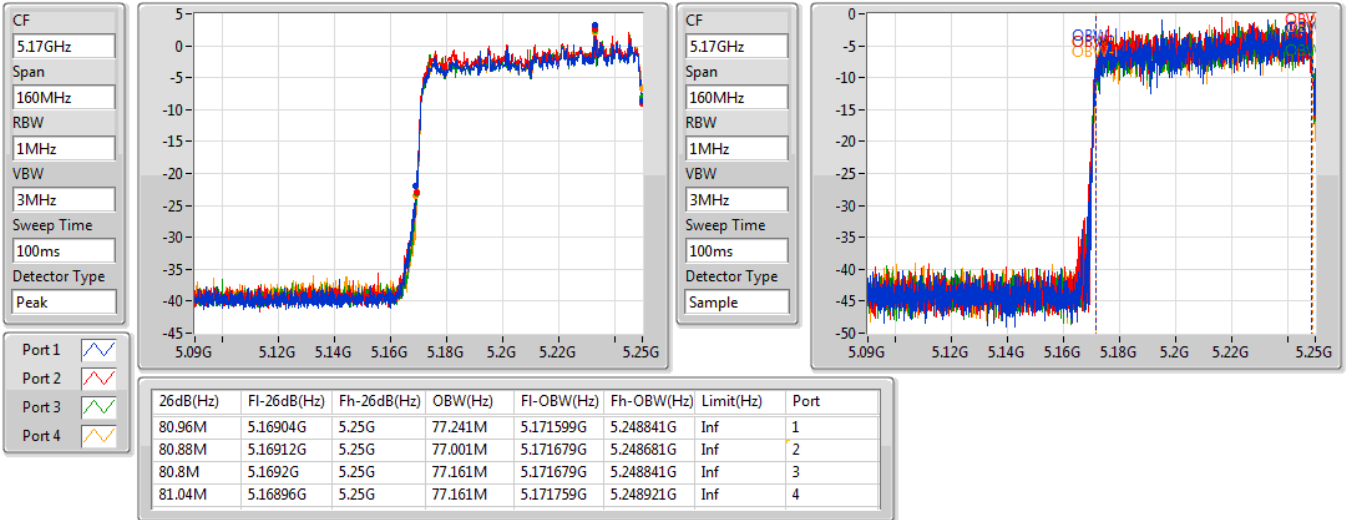
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.241M	80.88M	77.001M	80.8M	77.161M	81.04M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	76.922M	80.8M	77.081M	80.96M	77.001M	81.44M	76.842M

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

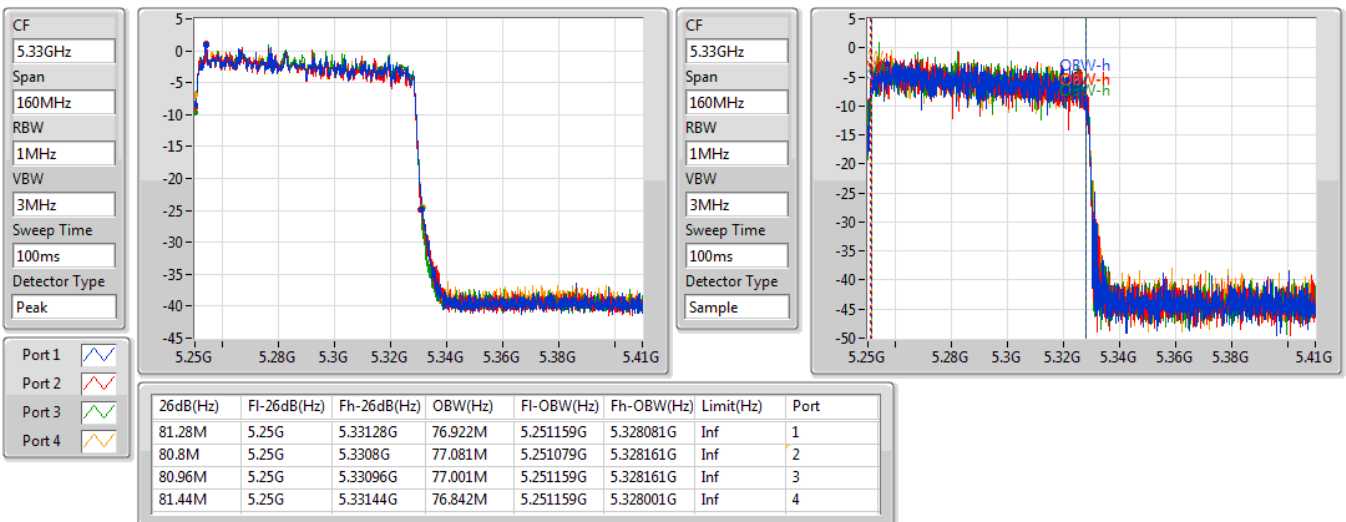
Port X-OBW = Port X 99% occupied bandwidth;

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

07/03/2019


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

07/03/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.2M	77.401M	77M4D1D	80.88M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.52M	77.161M	77M2D1D	80.72M	77.001M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

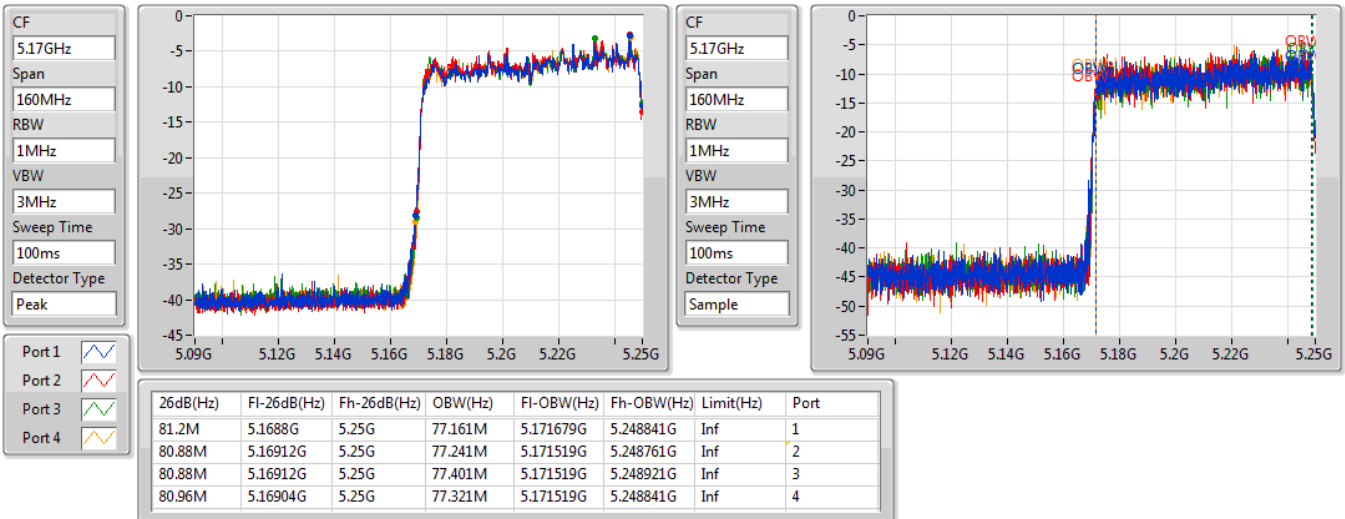
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.2M	77.161M	80.88M	77.241M	80.88M	77.401M	80.96M	77.321M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.52M	77.081M	80.96M	77.161M	80.72M	77.161M	81.28M	77.001M

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

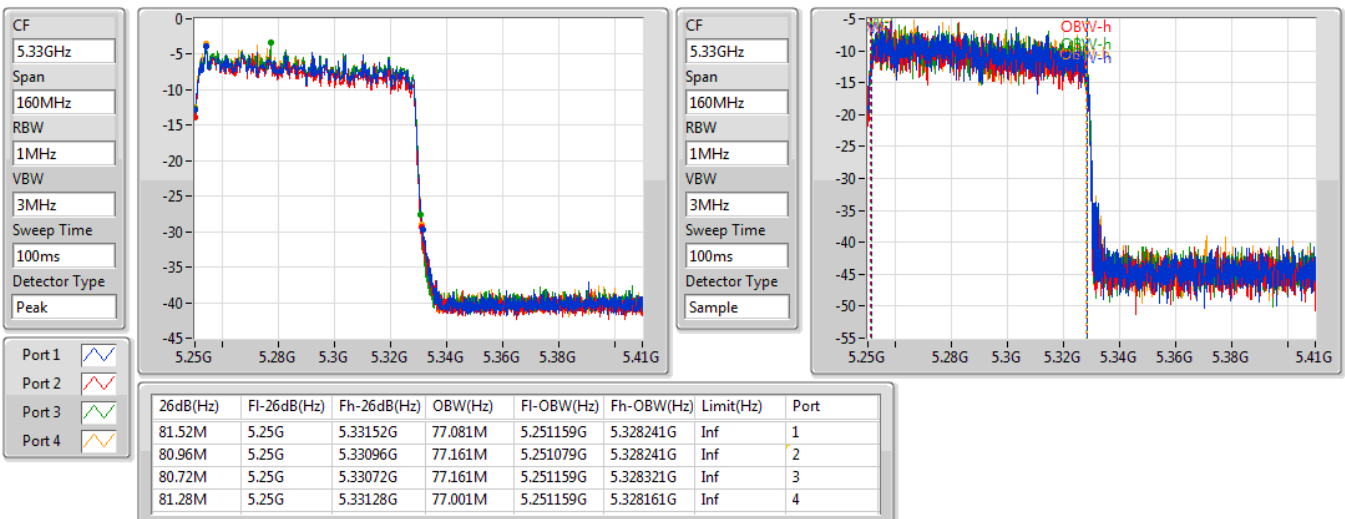
Port X-OBW = Port X 99% occupied bandwidth;

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

14/05/2019


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

14/05/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	81.52M	77.321M	77M3D1D	80.48M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.72M	77.241M	77M2D1D	81.12M	77.081M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

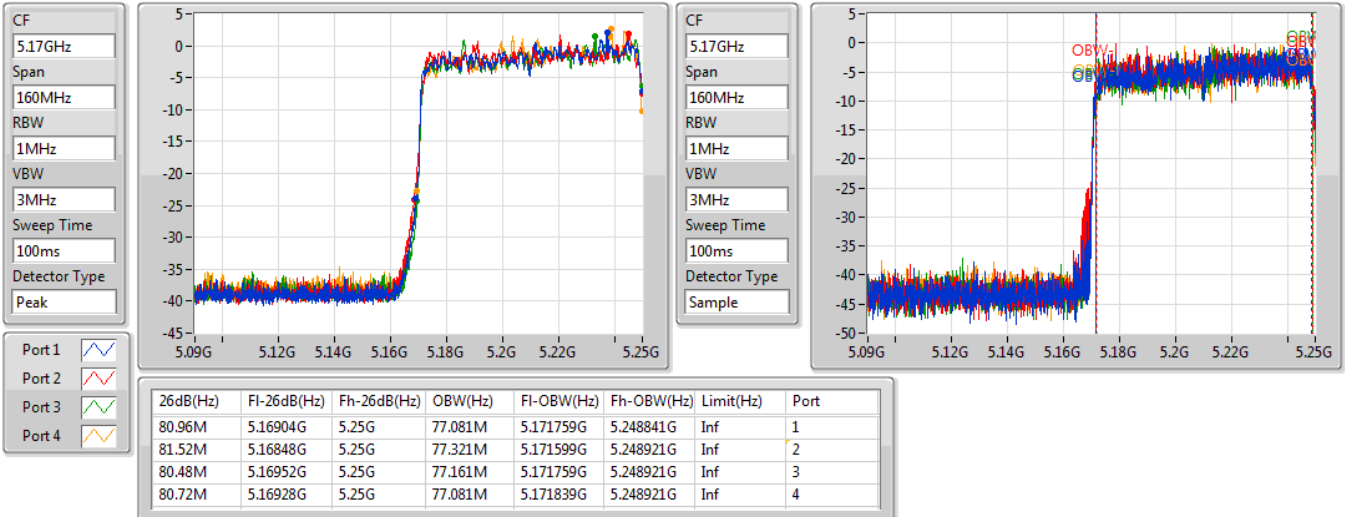
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.081M	81.52M	77.321M	80.48M	77.161M	80.72M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.84M	77.161M	81.84M	77.161M	82.72M	77.241M	81.12M	77.081M

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

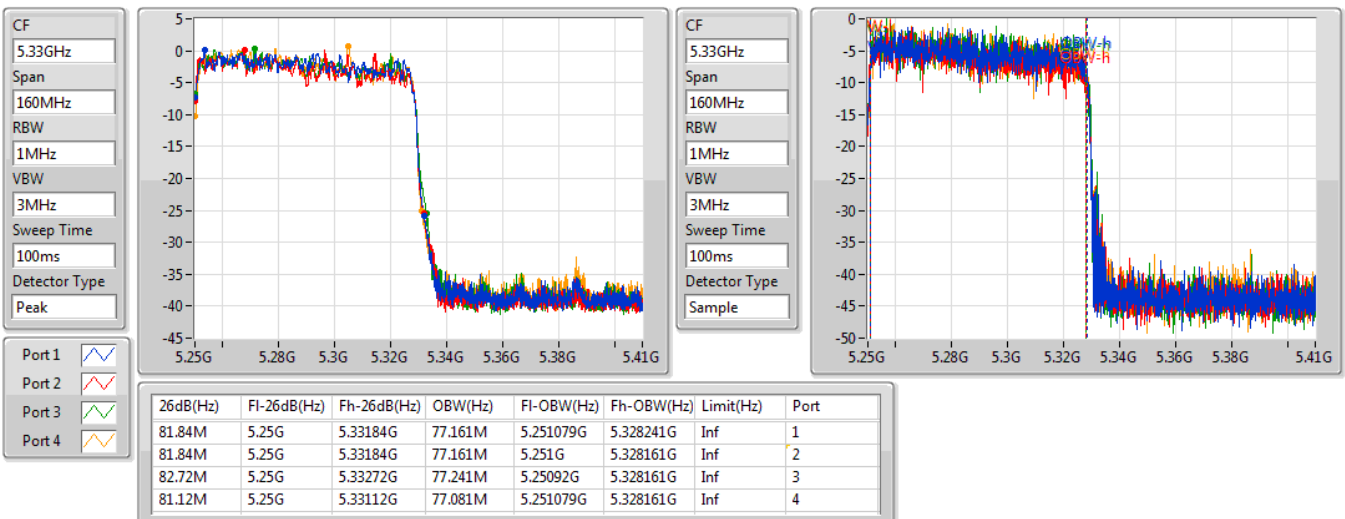
Port X-OBW = Port X 99% occupied bandwidth;

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

07/03/2019


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

07/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.161M	77M2D1D	81.12M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	81.2M	77.161M	77M2D1D	81.2M	77.161M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

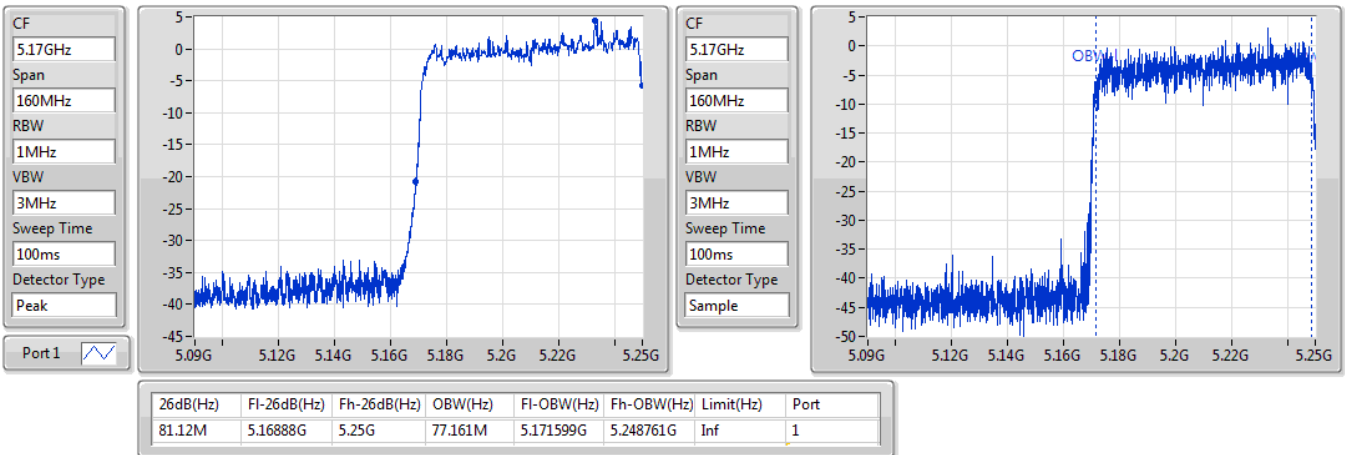
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.161M

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

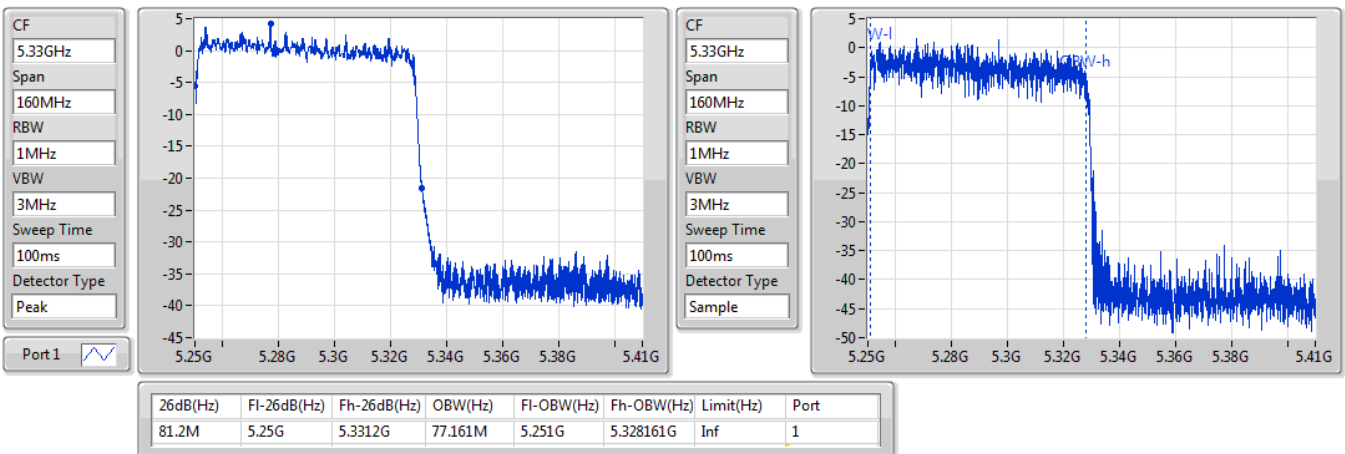
Port X-OBW = Port X 99% occupied bandwidth;

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

26/02/2019


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

26/02/2019



**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	81.92M	77.401M	77M4D1D	81.12M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.28M	77.241M	77M2D1D	80.56M	77.081M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

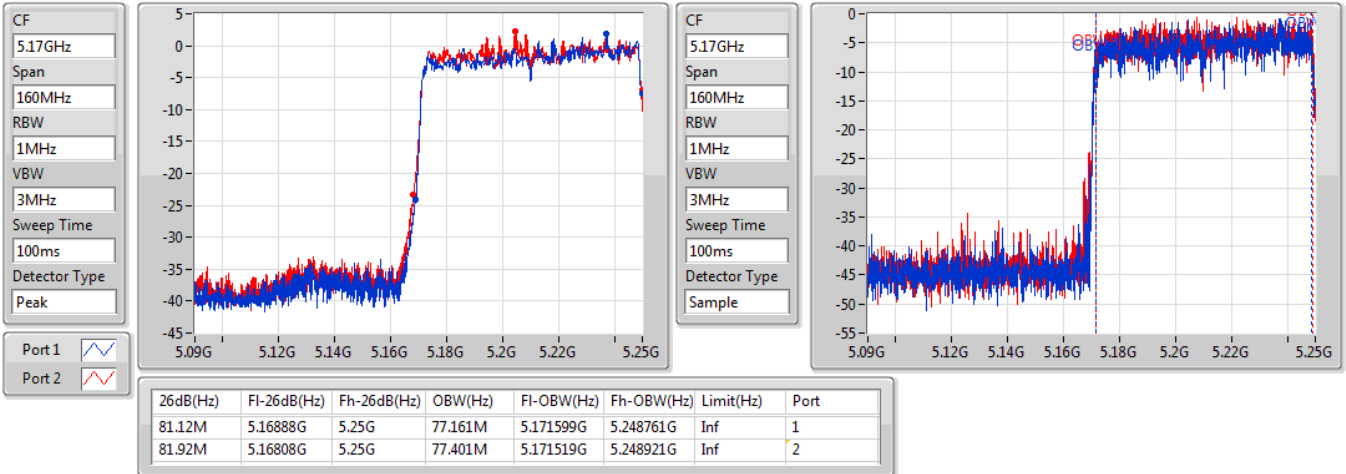
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.161M	81.92M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.081M	80.56M	77.241M

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

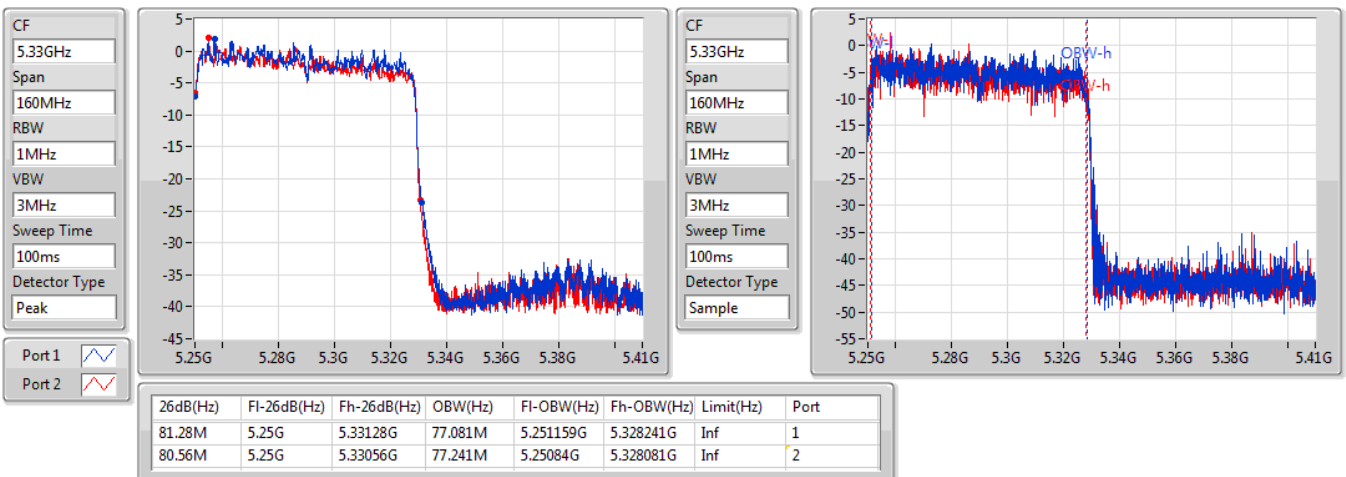
Port X-OBW = Port X 99% occupied bandwidth;

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

26/02/2019


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

26/02/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	80.96M	77.241M	77M2D1D	80.64M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.36M	77.161M	77M2D1D	80.72M	77.081M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

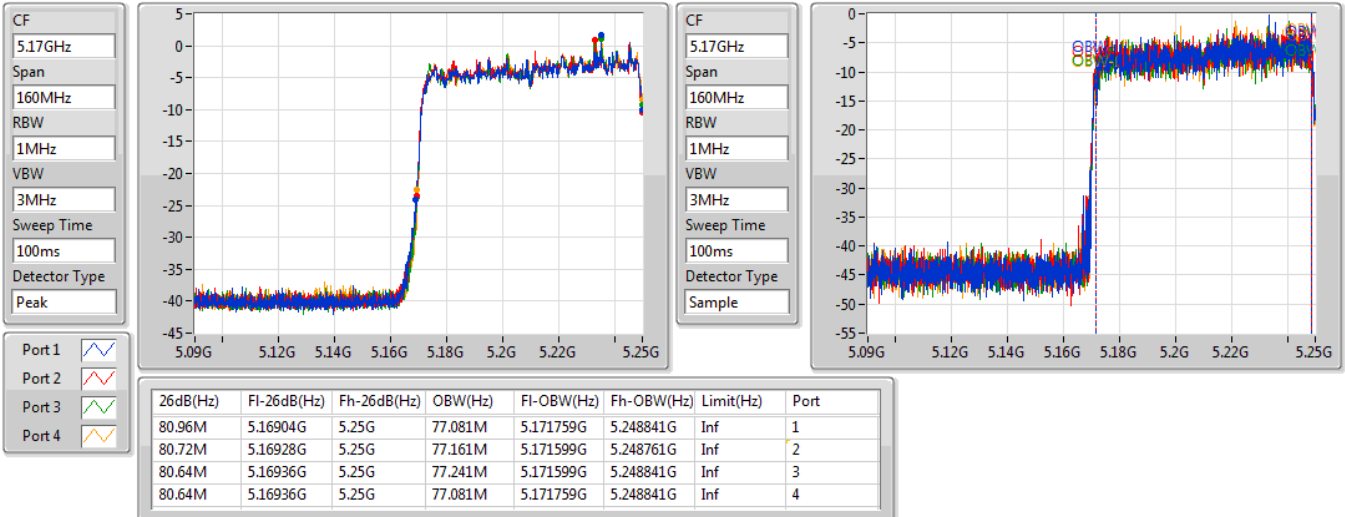
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.081M	80.72M	77.161M	80.64M	77.241M	80.64M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.081M	80.96M	77.081M	80.72M	77.161M	81.36M	77.081M

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

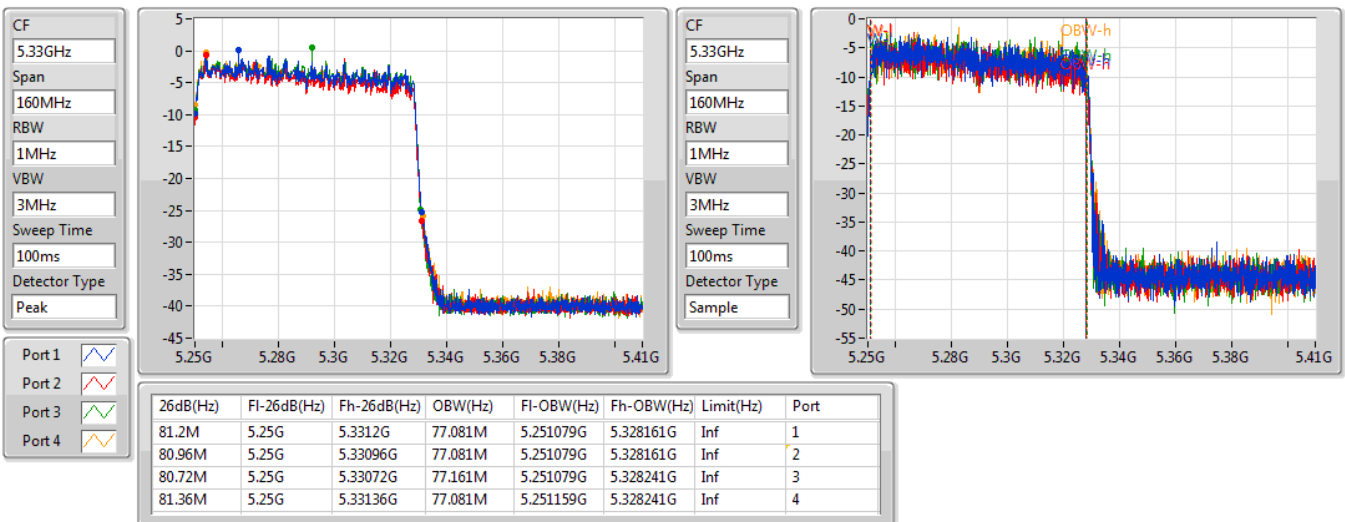
Port X-OBW = Port X 99% occupied bandwidth;

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

27/02/2019


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

27/02/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.28M	77.241M	77M2D1D	80.56M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.44M	77.321M	77M3D1D	80.88M	77.001M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

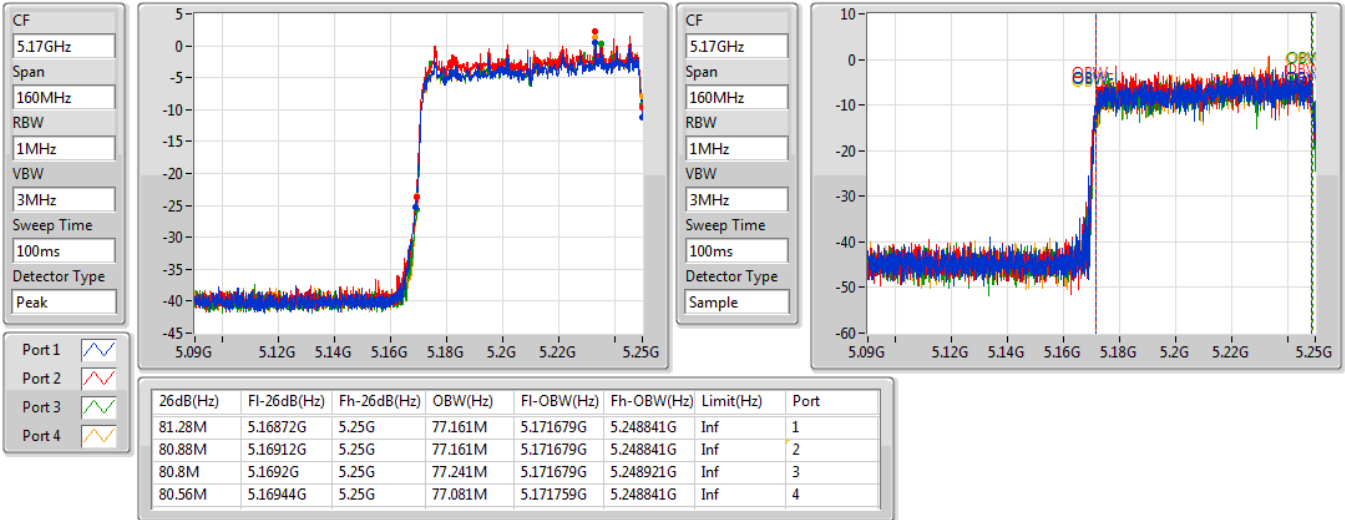
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.28M	77.161M	80.88M	77.161M	80.8M	77.241M	80.56M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.321M	80.96M	77.161M	80.88M	77.081M	81.44M	77.001M

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

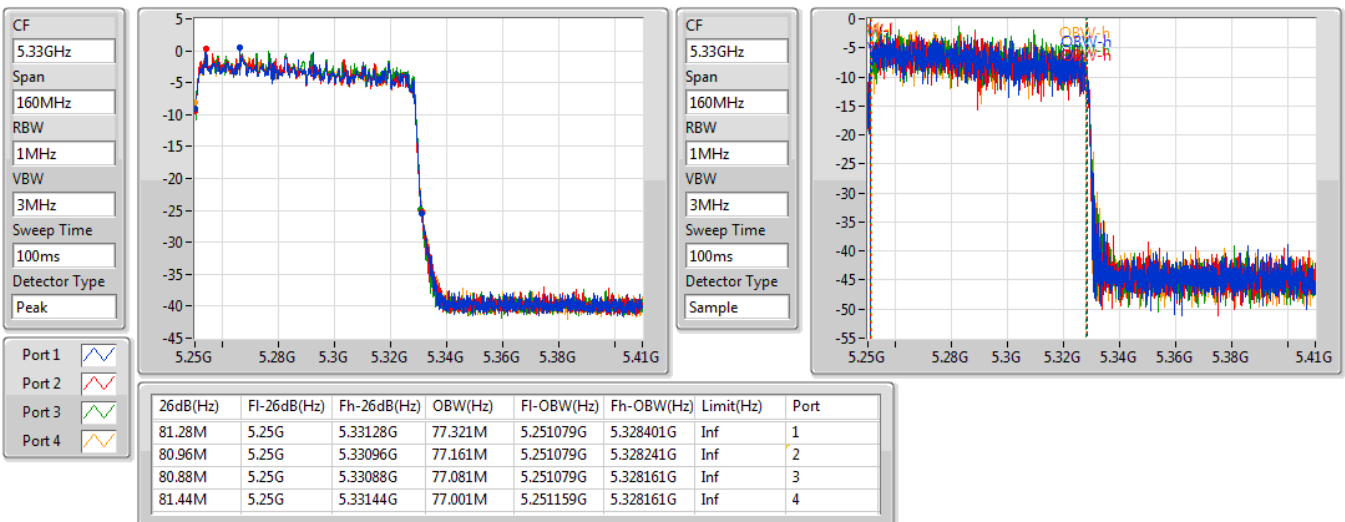
Port X-OBW = Port X 99% occupied bandwidth;

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

28/02/2019


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

28/02/2019



**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	81.68M	77.241M	77M2D1D	80.48M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.88M	77.241M	77M2D1D	81.68M	77.081M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;